Basic equipment

from March 2003

Notes:

For information concerning

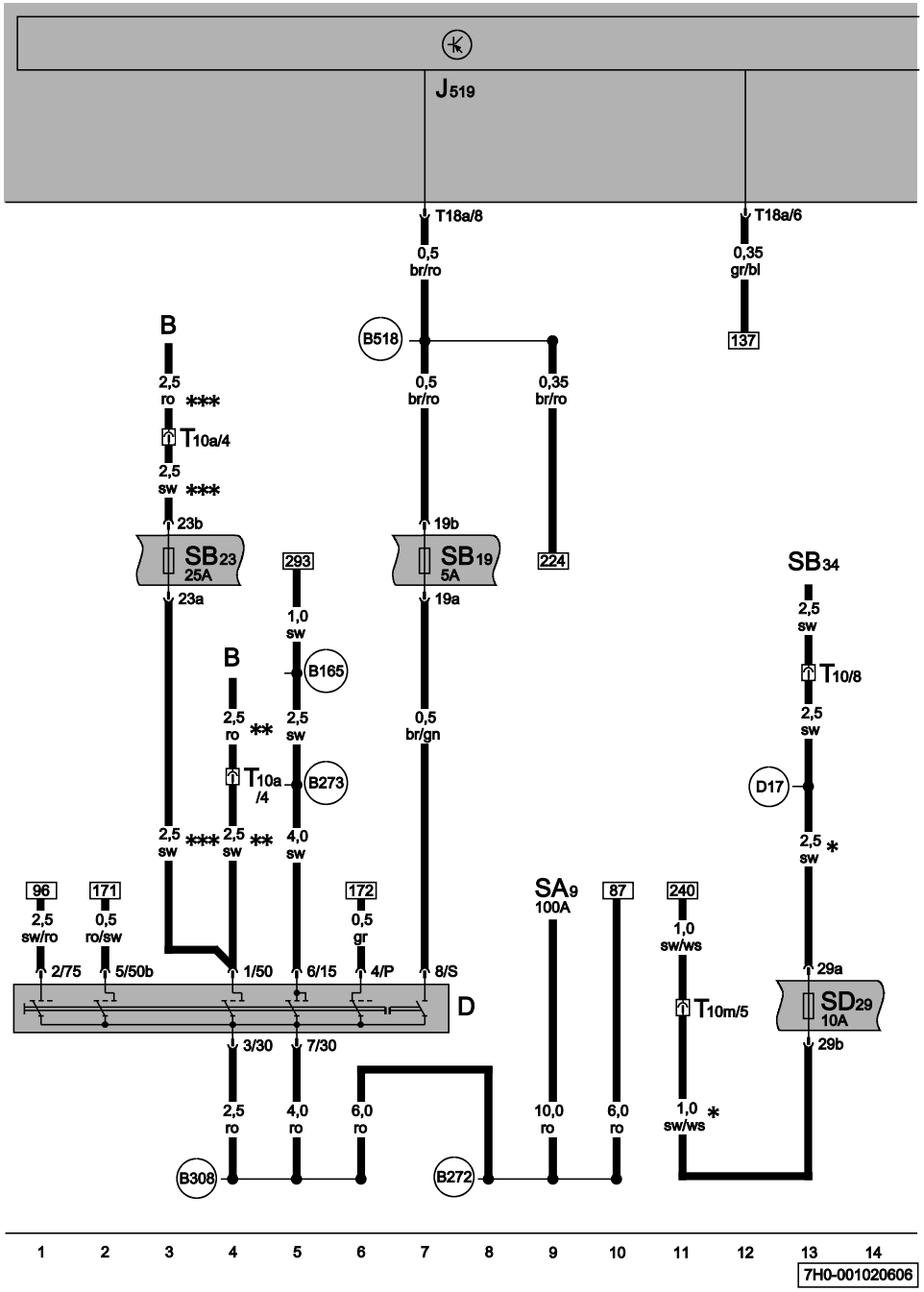
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

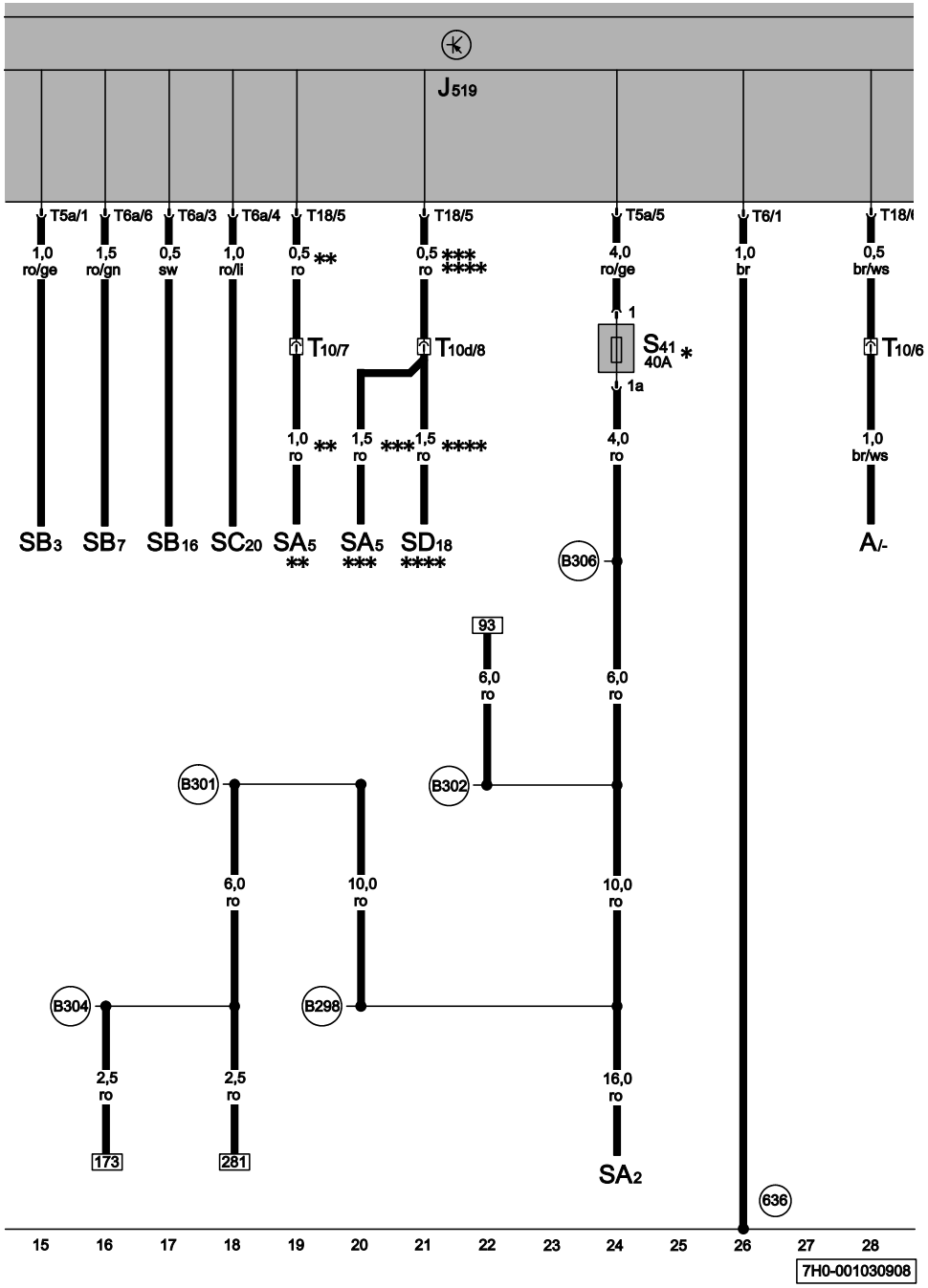
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, ignition/starter switch, fuses

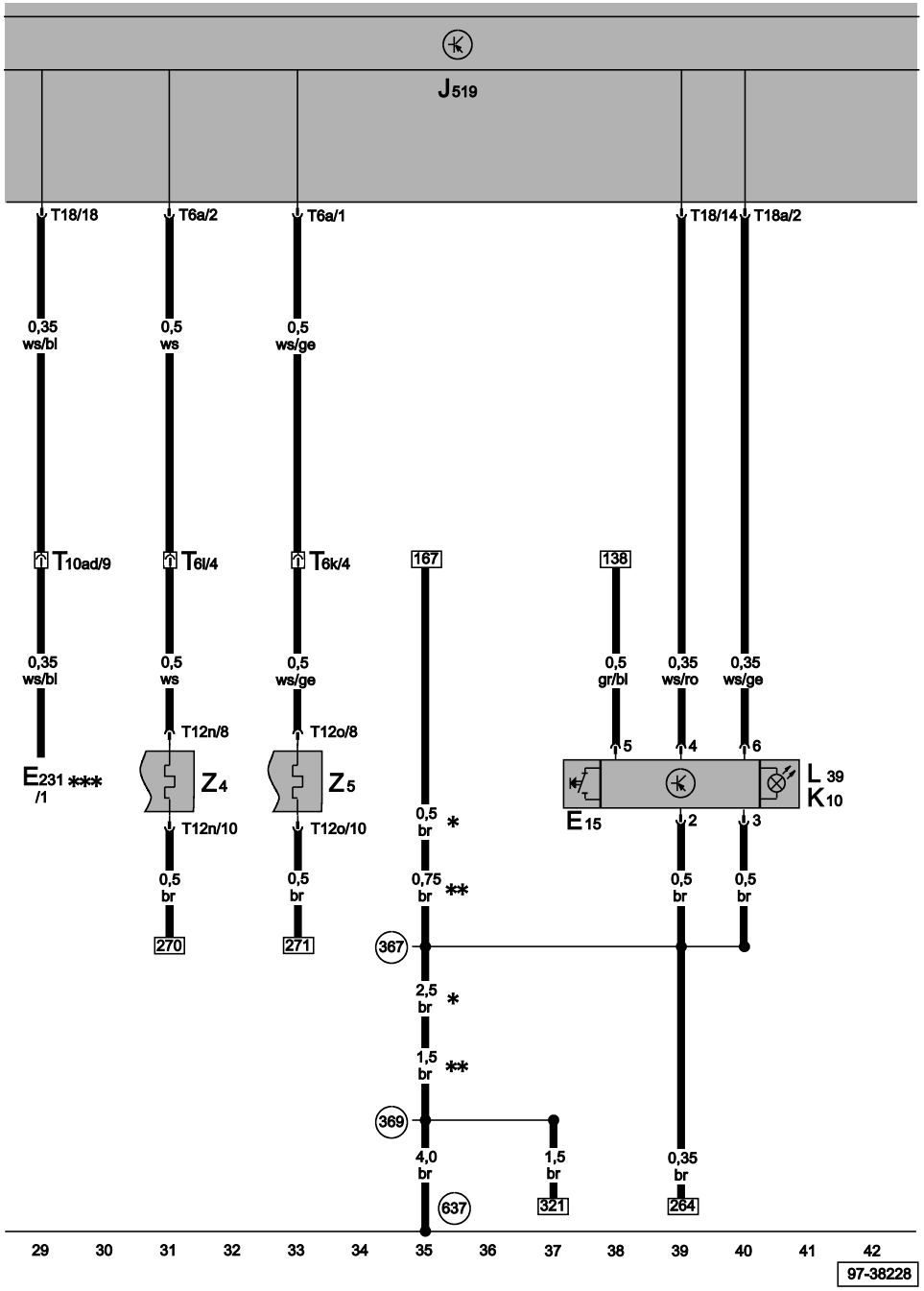
B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD29	Fuse 29 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
D17	Positive connection 1 (15), in engine harness
*	for models with engine codes AXB and AXC only, is dropped from June 2003
**	applicable up to January 2004, for models with manual gearbox and without electric interface only
***	applicable from February 2004, for models with manual gearbox and without electric interface only



Onboard power supply control unit, fuses

A	Battery
J519	Onboard supply control unit
S41	Heated rear window fuse
SA2	Fuse 2 on fuse holder A
SA5	Fuse 5 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SC20	Fuse 20 on fuse holder C
SD18	Fuse 18 on fuse holder D
T5a	5-pin connector, brown
T6	6-pin connector, black
T6a	6-pin connector, brown
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations
**	applicable up to May 2003
***	applicable from June 2003 up to January 2004
****	applicable from February 2004

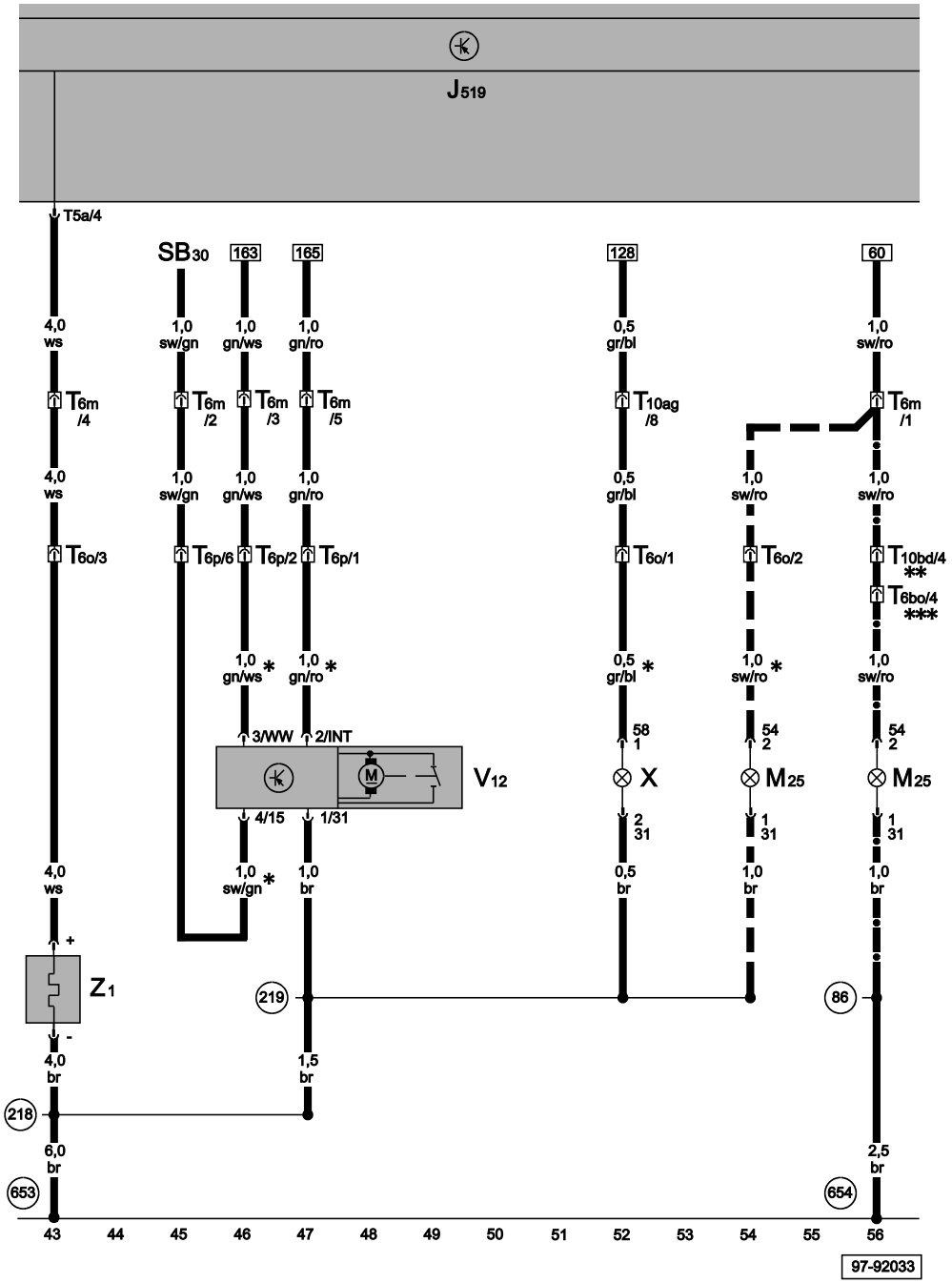
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard power supply control unit, exterior mirror heater button, heated exterior mirror, heated rear window switch

E15	Heated rear window switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
T18a	18-pin connector, brown
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to May 2003
**	applicable from June 2003
***	⇒ Current Flow Diagram: convenience system without window regulator

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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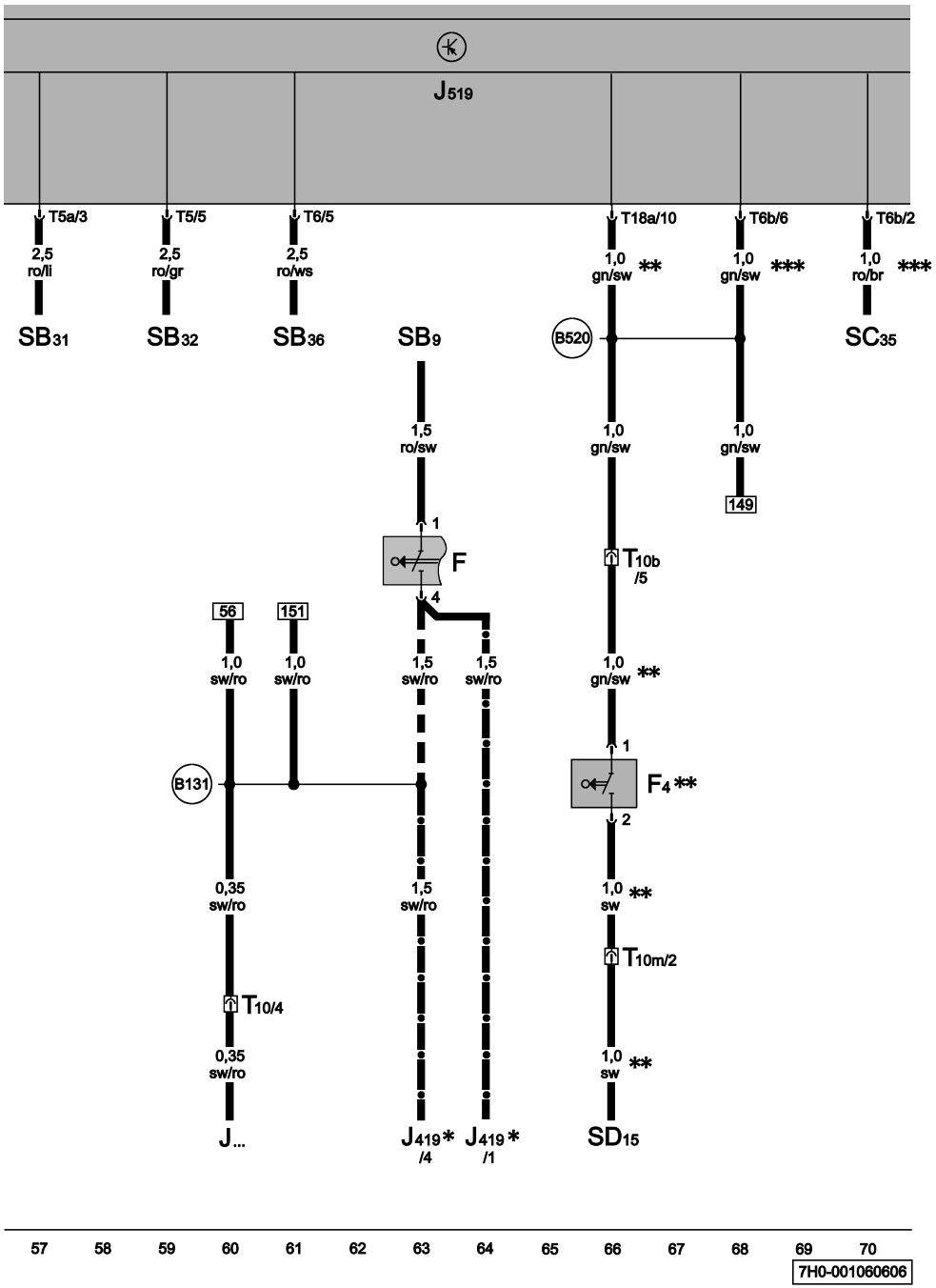


Onboard supply control unit, heated rear window, rear window wiper motor, number plate light, high level brake light bulb

J519	Onboard supply control unit
M25	High level brake light bulb
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
V12	Rear window wiper motor
X	Number plate light
Z1	Heated rear window
86	Earth connection 1, in rear wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
*	Wire colour is white and wire is printed, from February 2004
**	applicable up to November 2003
***	applicable from December 2003

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for models with high roof only

<fo:external-graphic src="../
for models without high roof only



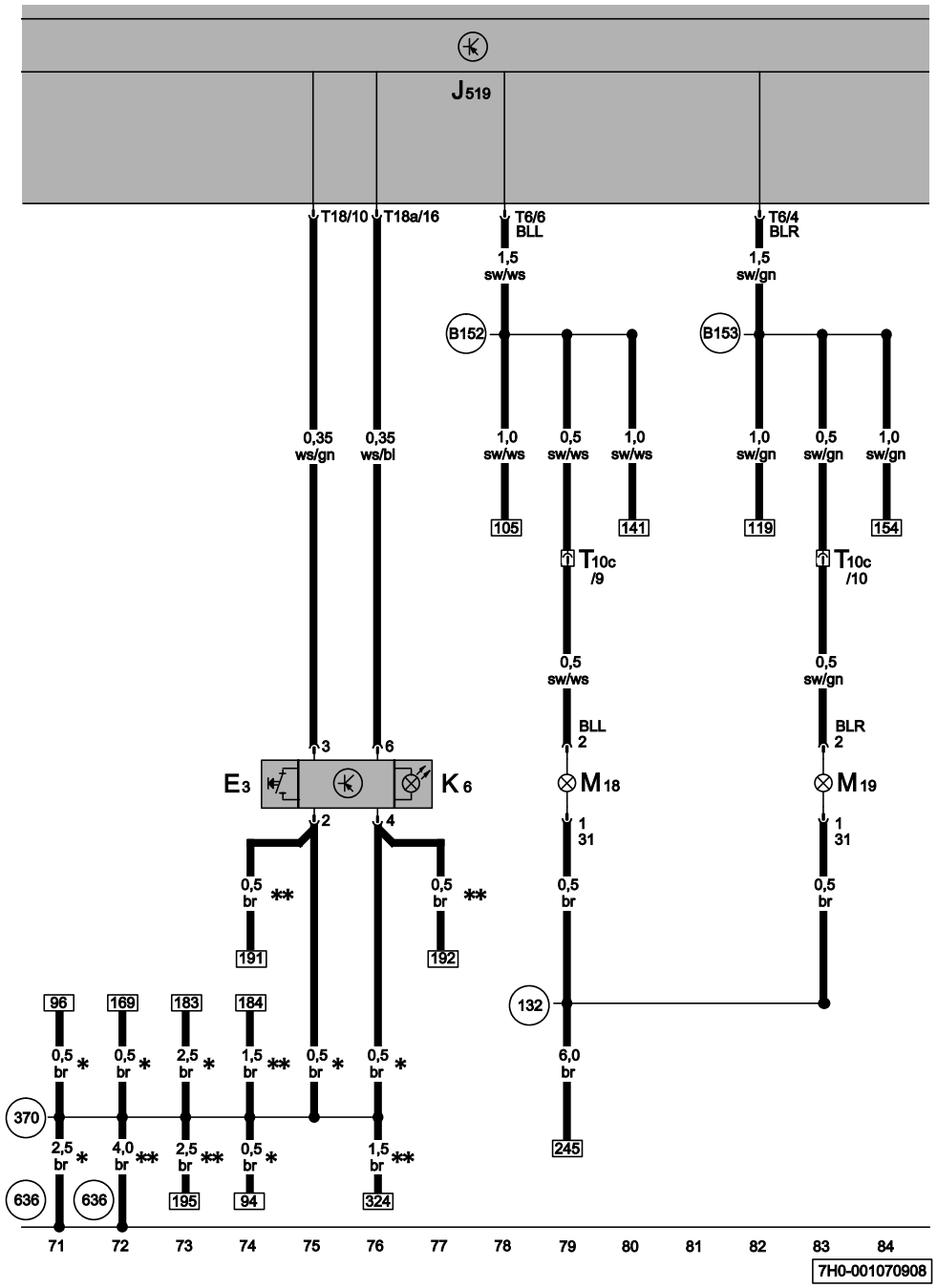
Onboard power supply control unit, brake light switch, reversing light switch, brake pedal switch

F	Brake light switch
F4	Reversing light switch
J...	Engine control units
J419	Brake light additional relay
J519	Onboard supply control unit
SB9	Fuse 9 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ ABS Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
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or	=	orange
rs	=	pink

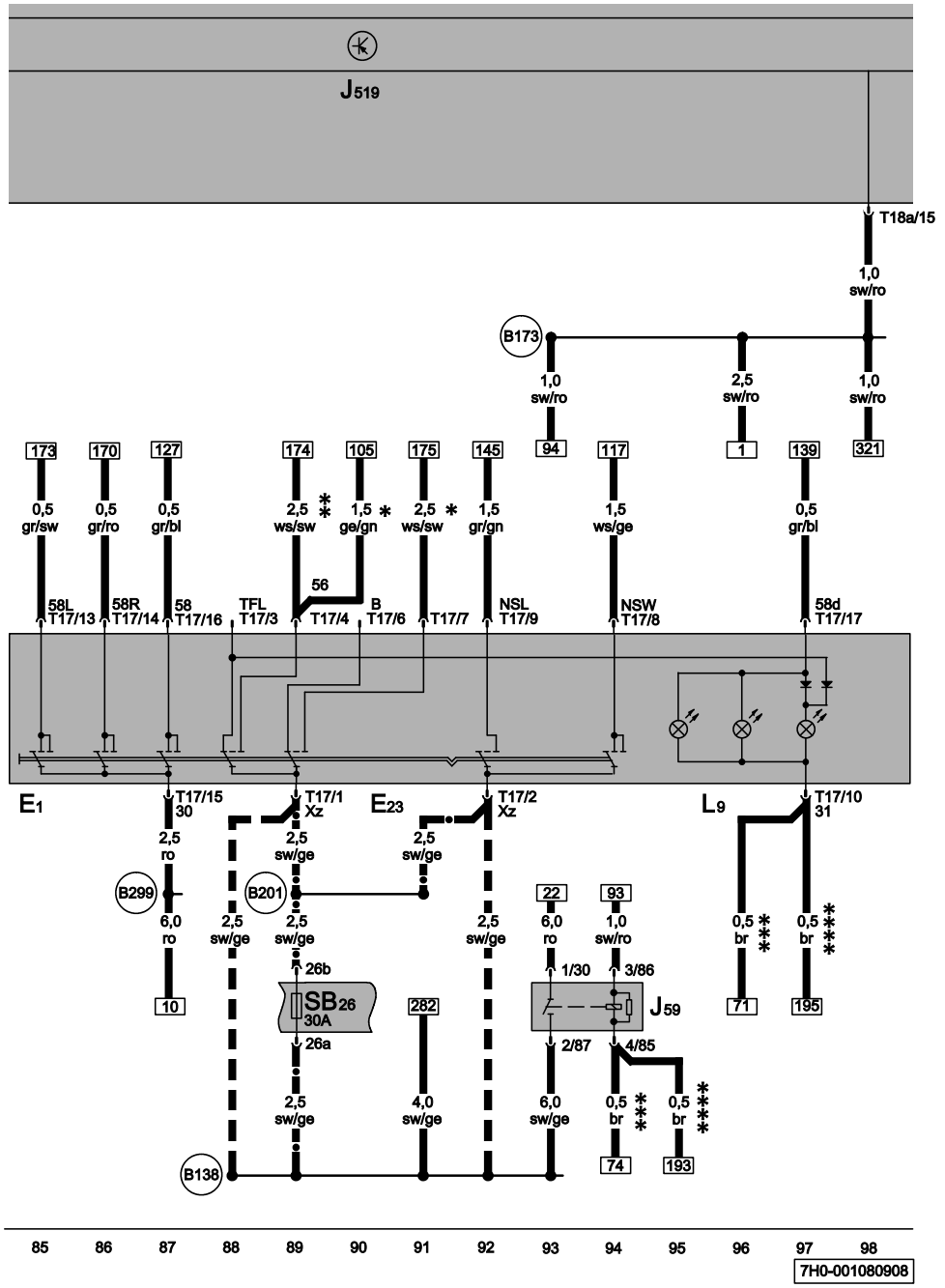
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	applicable up to May 2003
**	applicable from June 2003



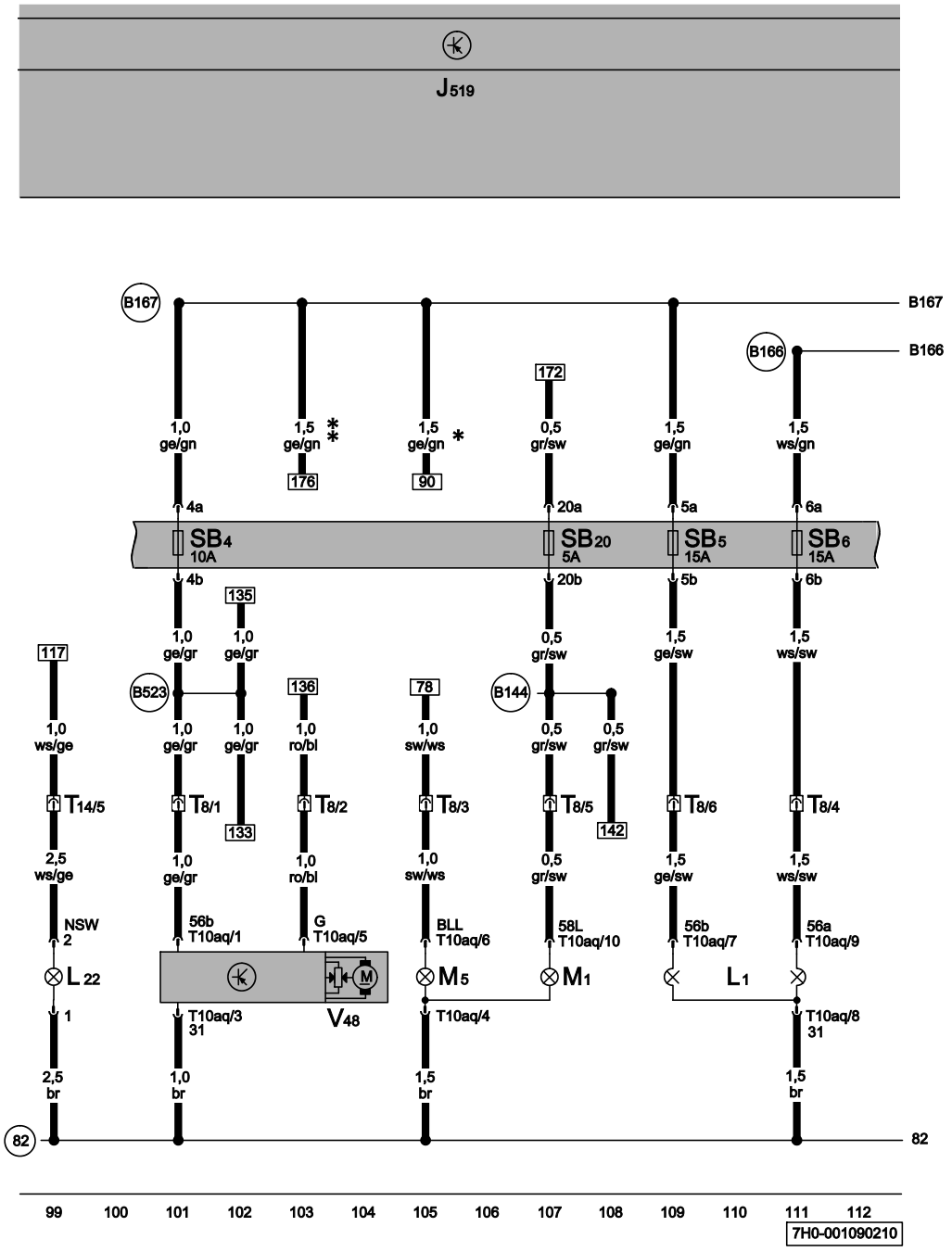
Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
***	applicable up to May 2003
****	applicable from June 2003
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ge	=	yellow
or	=	orange
rs	=	pink

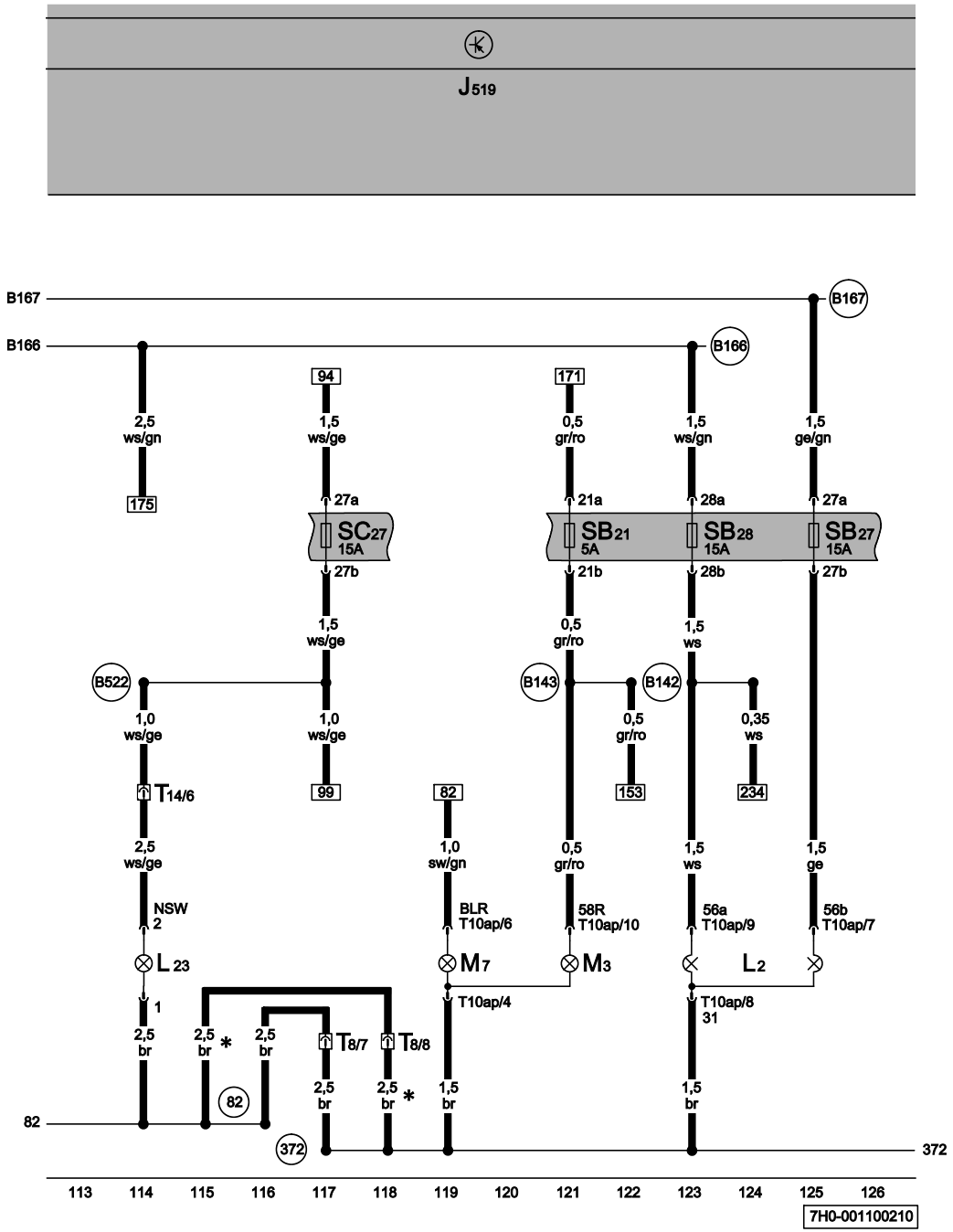
tools/ png-convert/ out//slp/ ft_icons/ m_k_m.p ng" content-width="2 0pt" scaling=" uniform"/ >



ws = white
sw = black
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bl = blue
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li = purple
ge = yellow
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Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

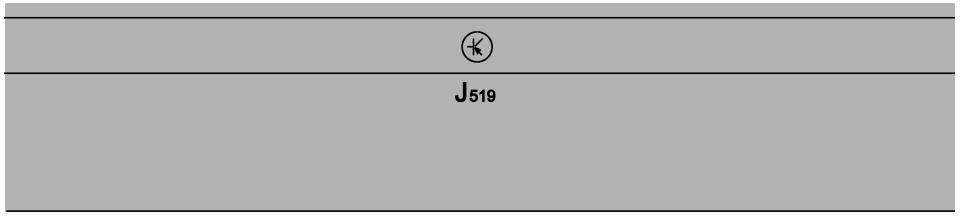
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment

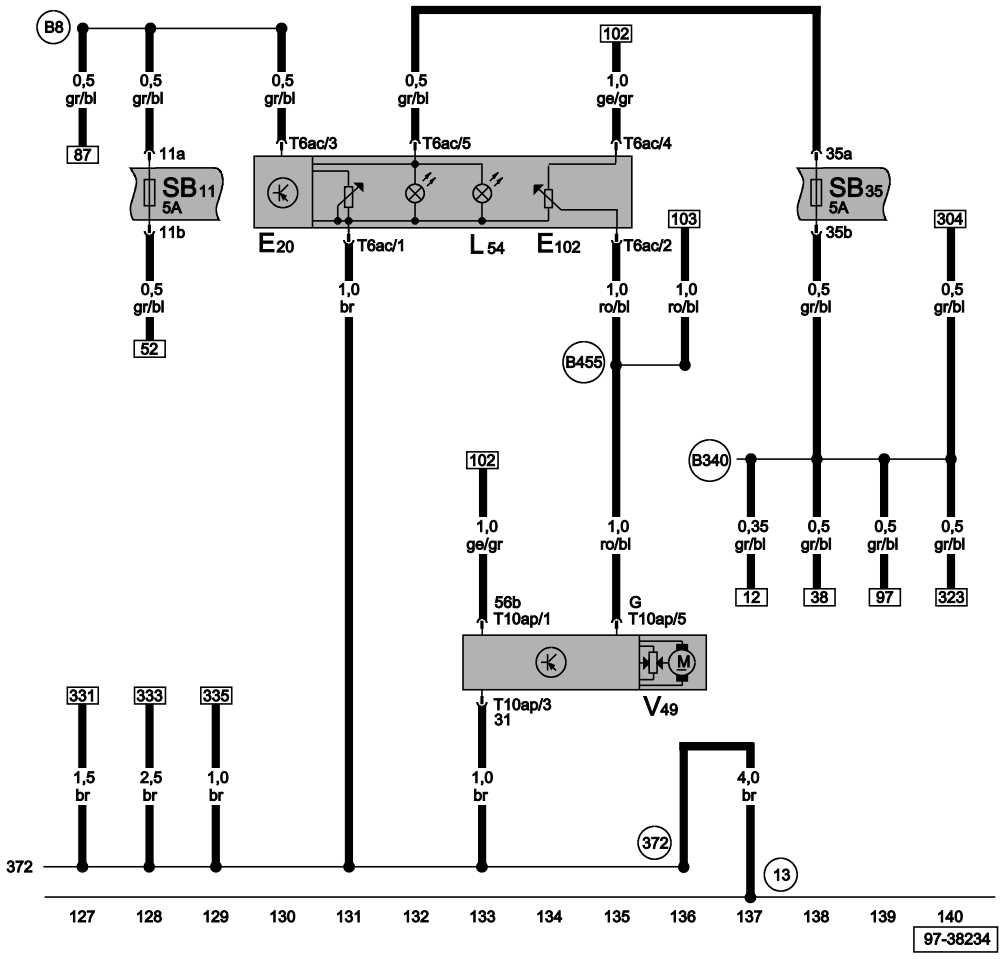


ws = white
sw = black
ro = red
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bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Fuses, right headlight twin filament bulb

J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only

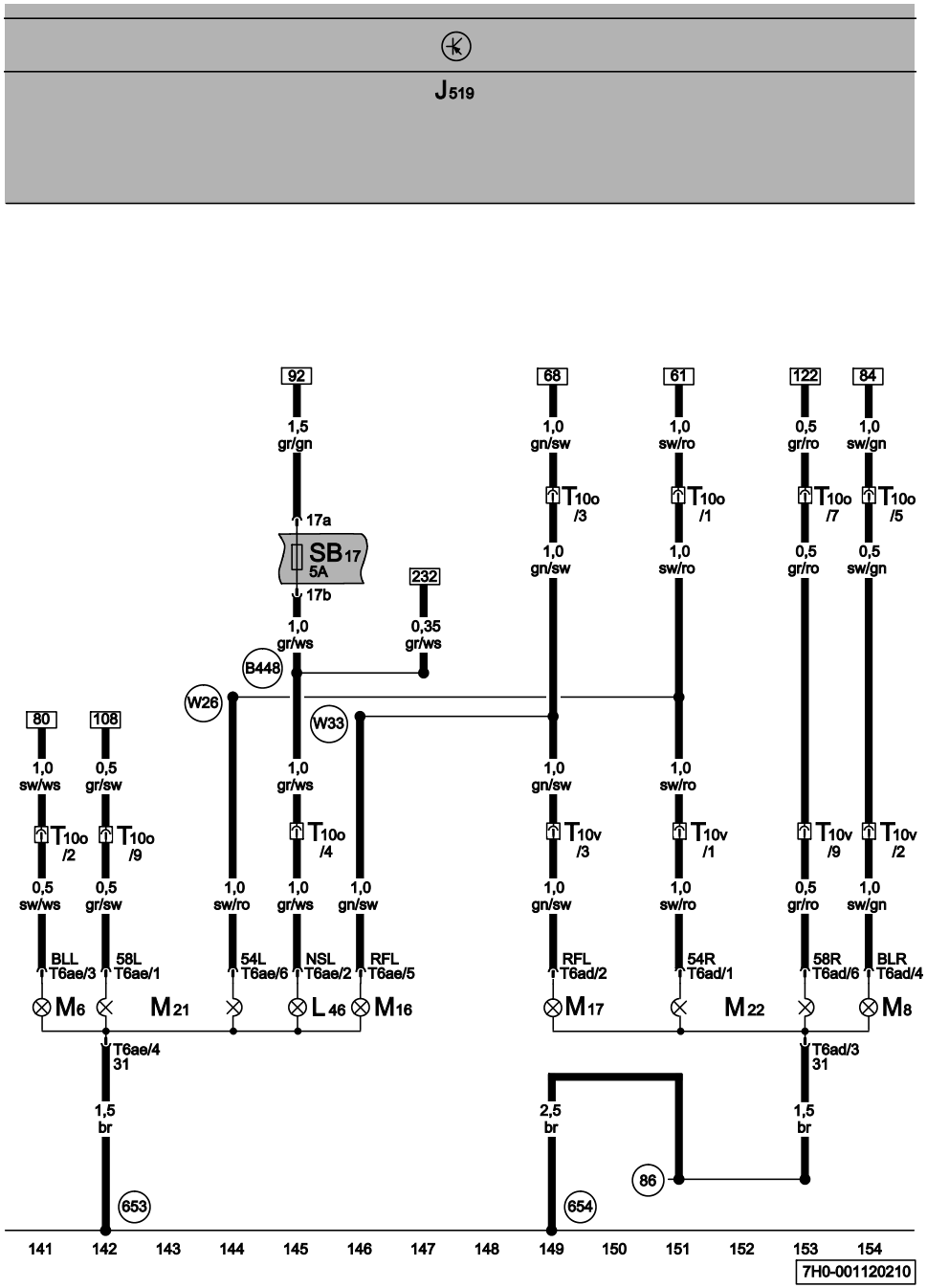




ws = white
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rs = pink

Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

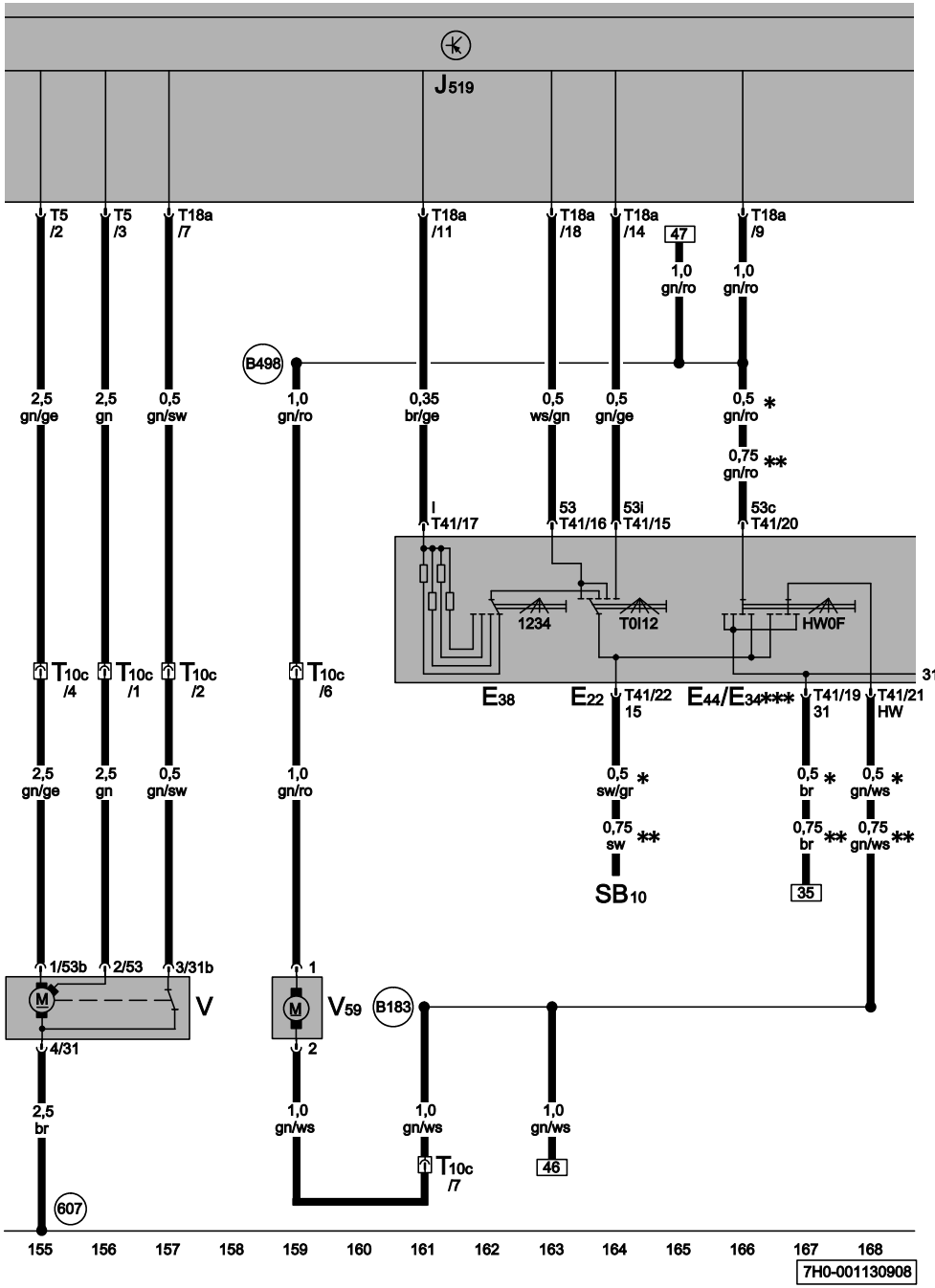
E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness



ws = white
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Left brake and tail light bulb, right brake and tail light bulb, reversing light

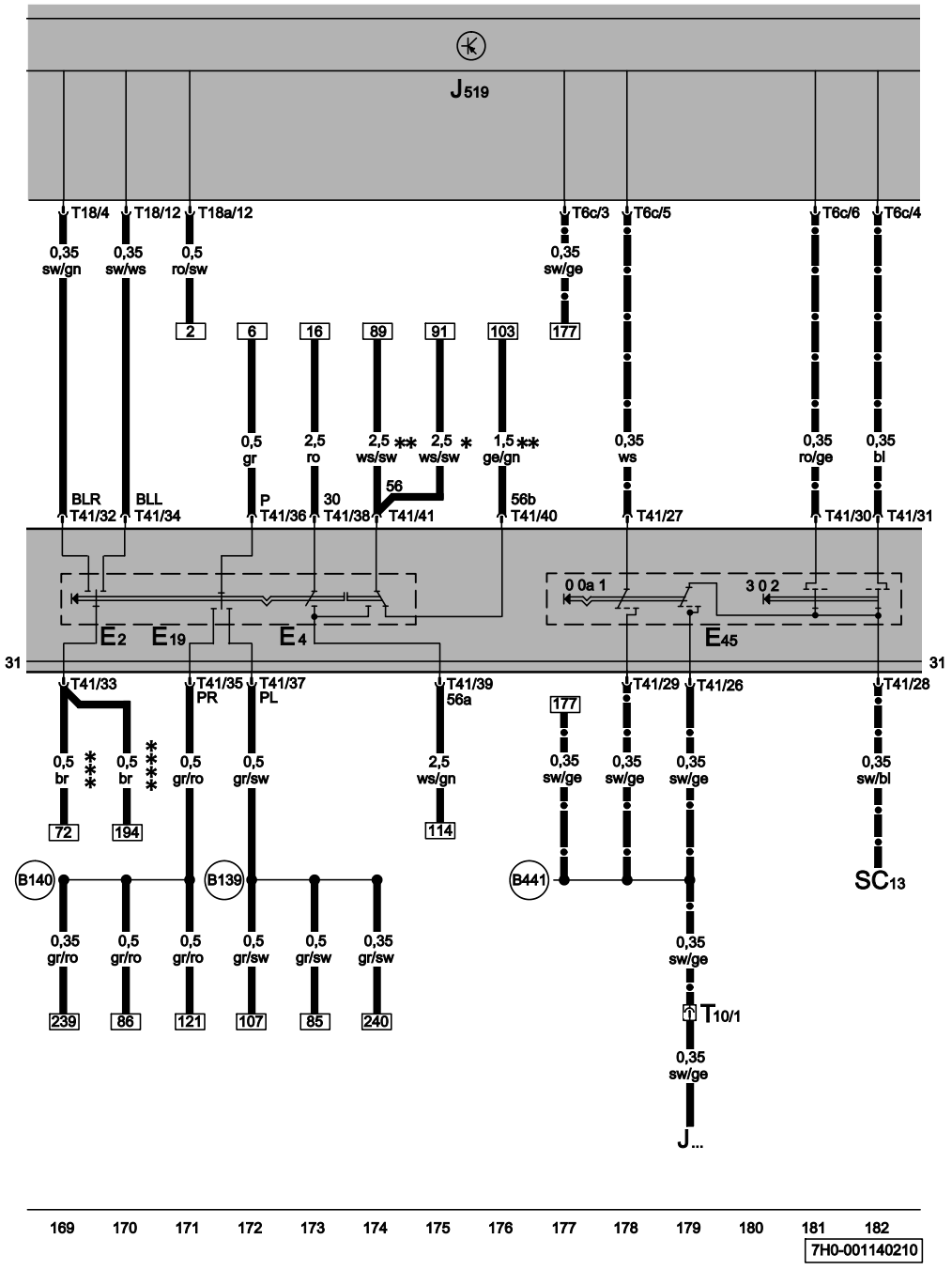
J519	Onboard supply control unit
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
L46	Rear left fog light bulb
SB17	Fuse 17 on fuse holder B
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B448	Connection (rear fog light), in main wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness



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ro = red
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Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	for models with rear window wiper only

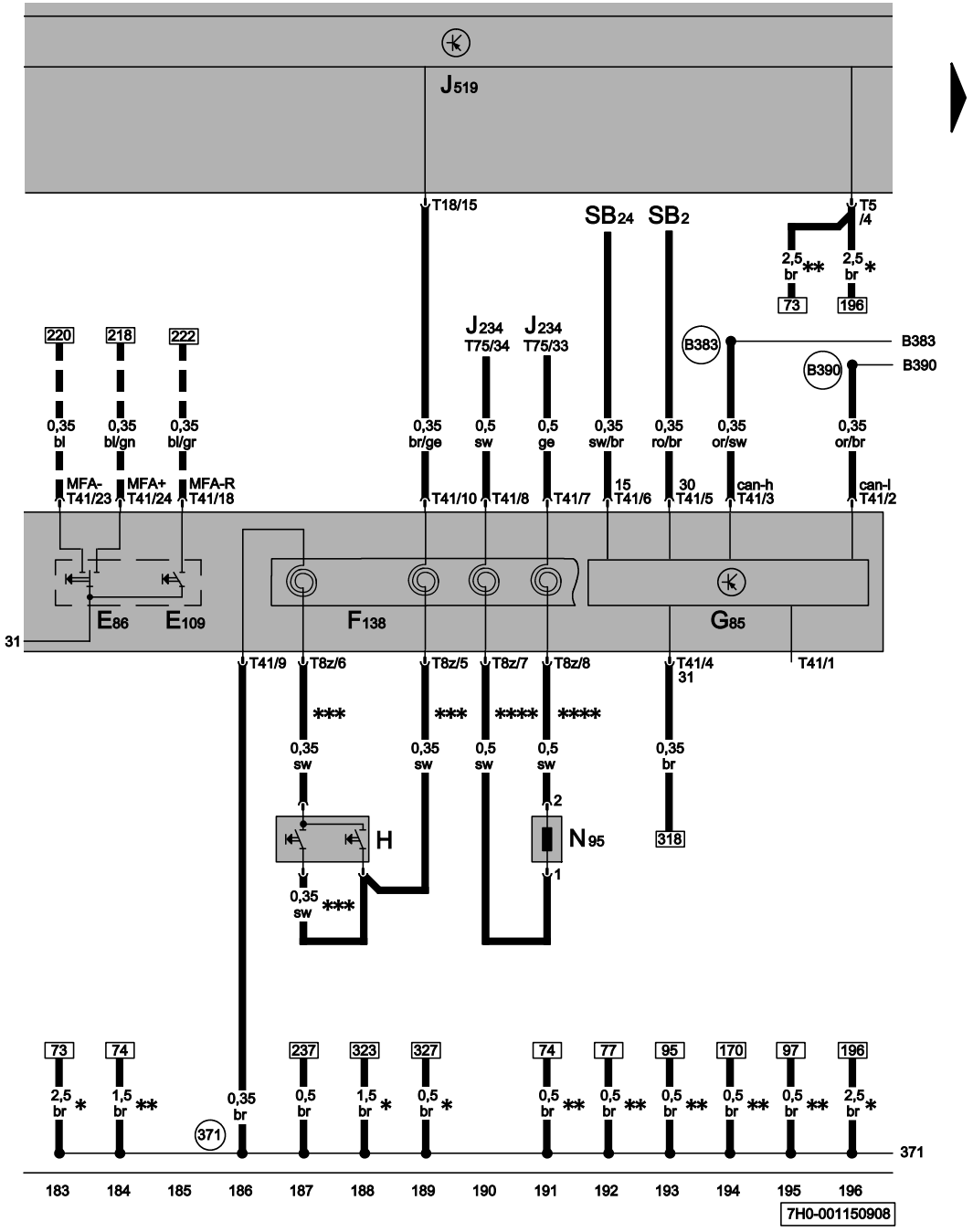


ws = white
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rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J...	Engine control units
J519	Onboard supply control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	For Multivan only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
***	applicable up to May 2003
****	applicable from June 2003
<fo:exter	for models with cruise control system only

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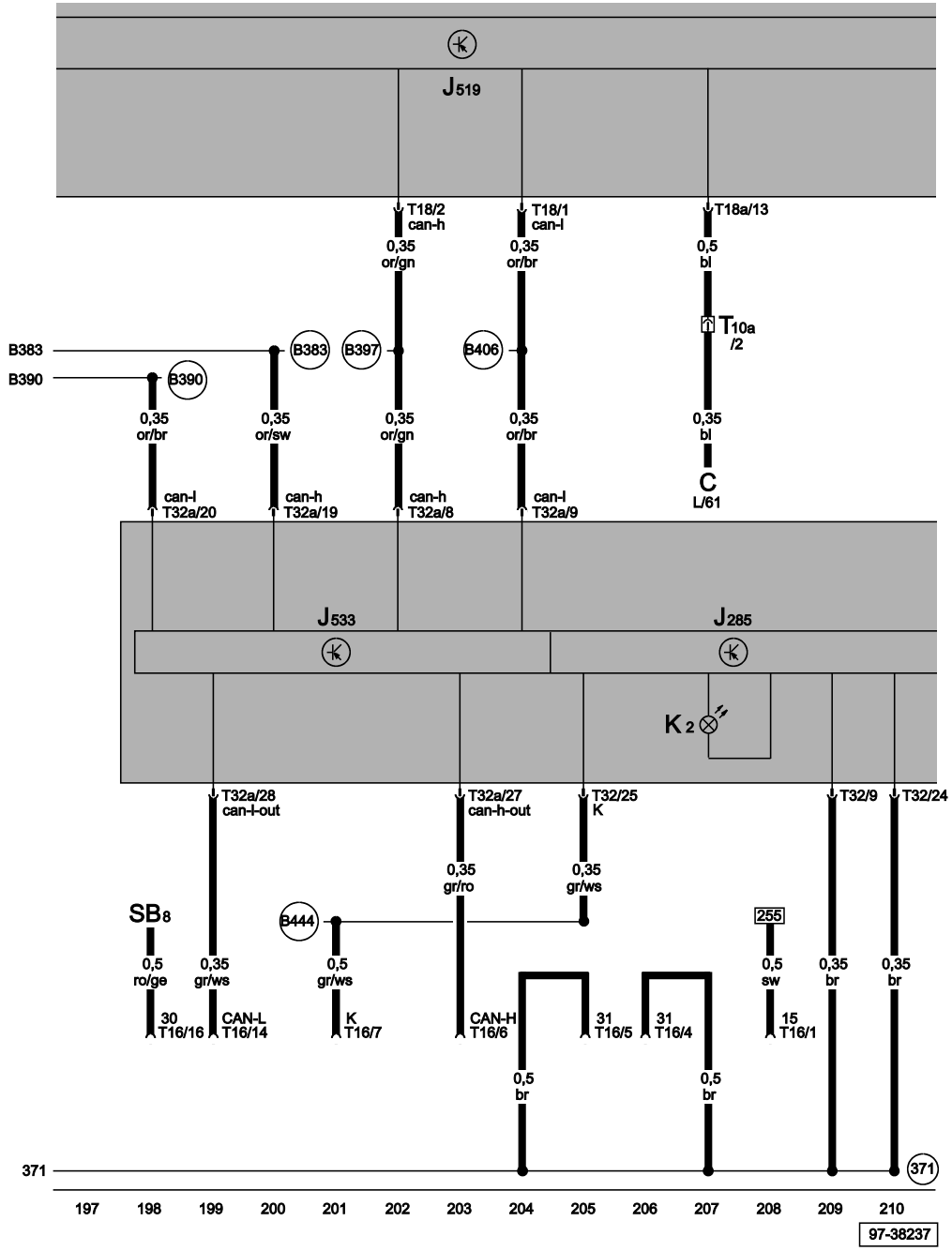


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Onboard supply control unit, multifunction display, horn plate, driver side airbag igniter, airbag coil connector/ return spring with slip ring, steering angle sender

E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T5	5-pin connector, black
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	for models without multifunction steering wheel only
****	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
<fo:exter	for models with multifunction display only

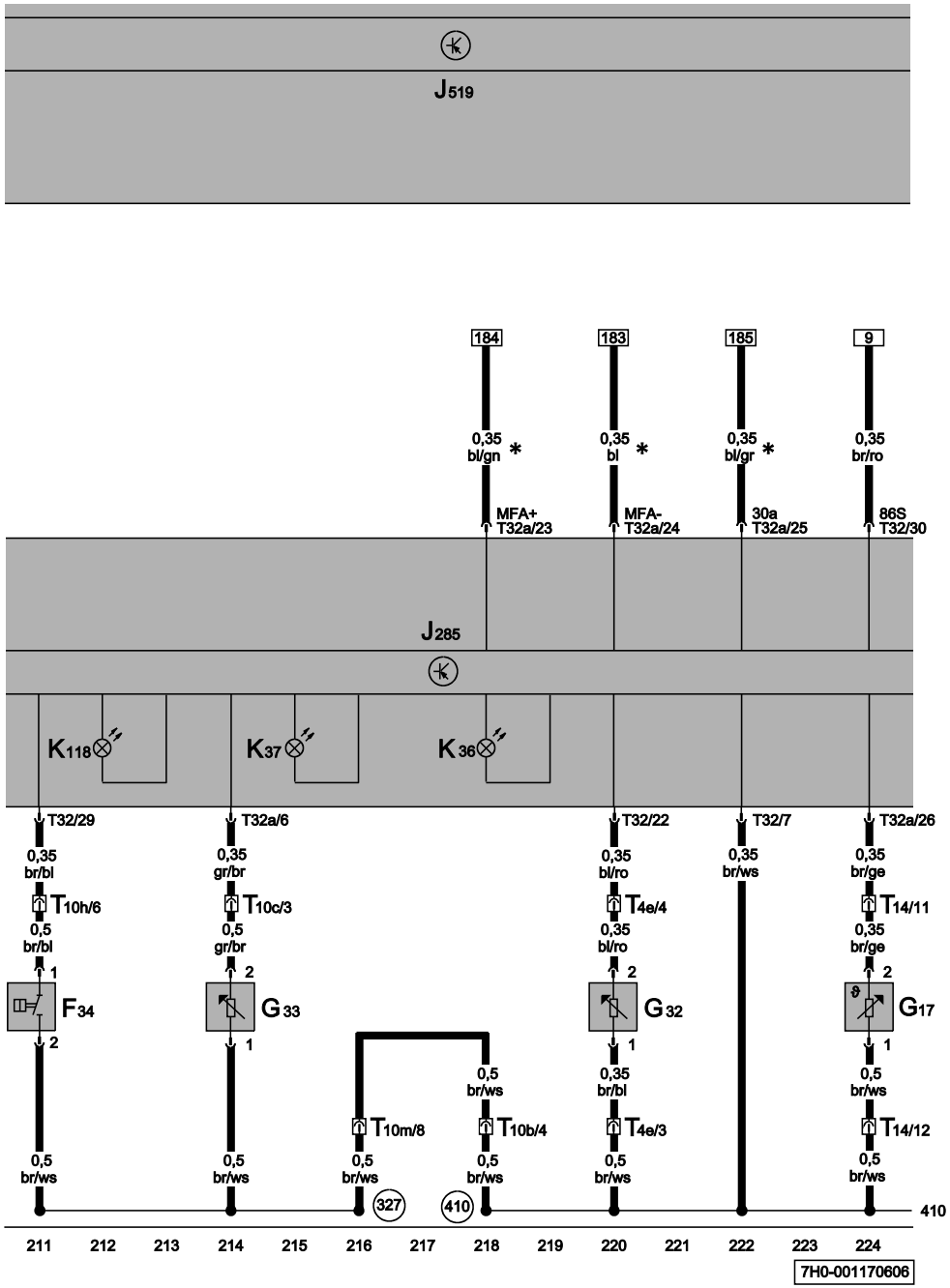
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Onboard supply control unit, control unit in dash panel insert, self-diagnosis connection, data bus diagnostic interface, alternator

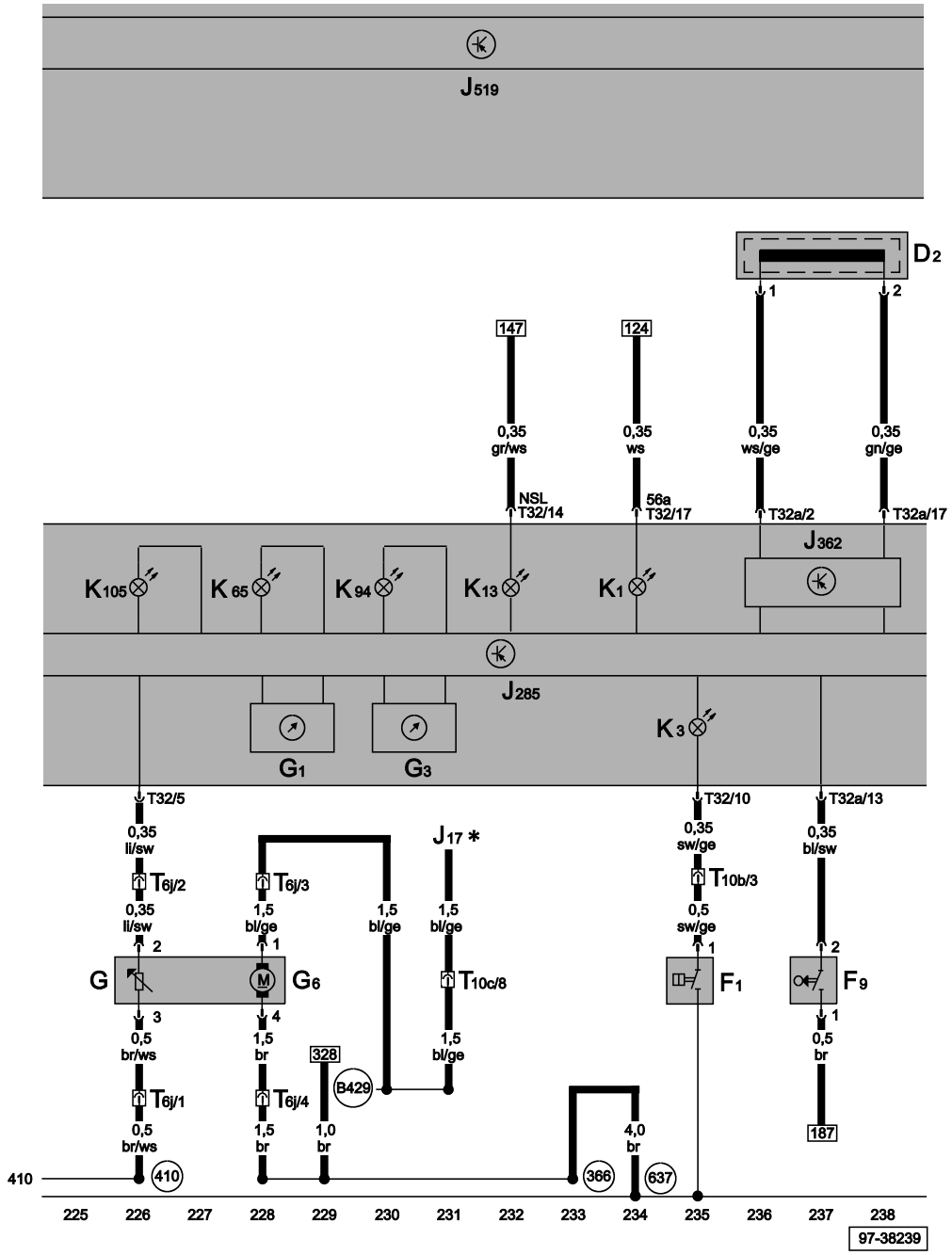
C	Alternator
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K2	Alternator warning lamp
SB8	Fuse 8 on fuse holder B
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

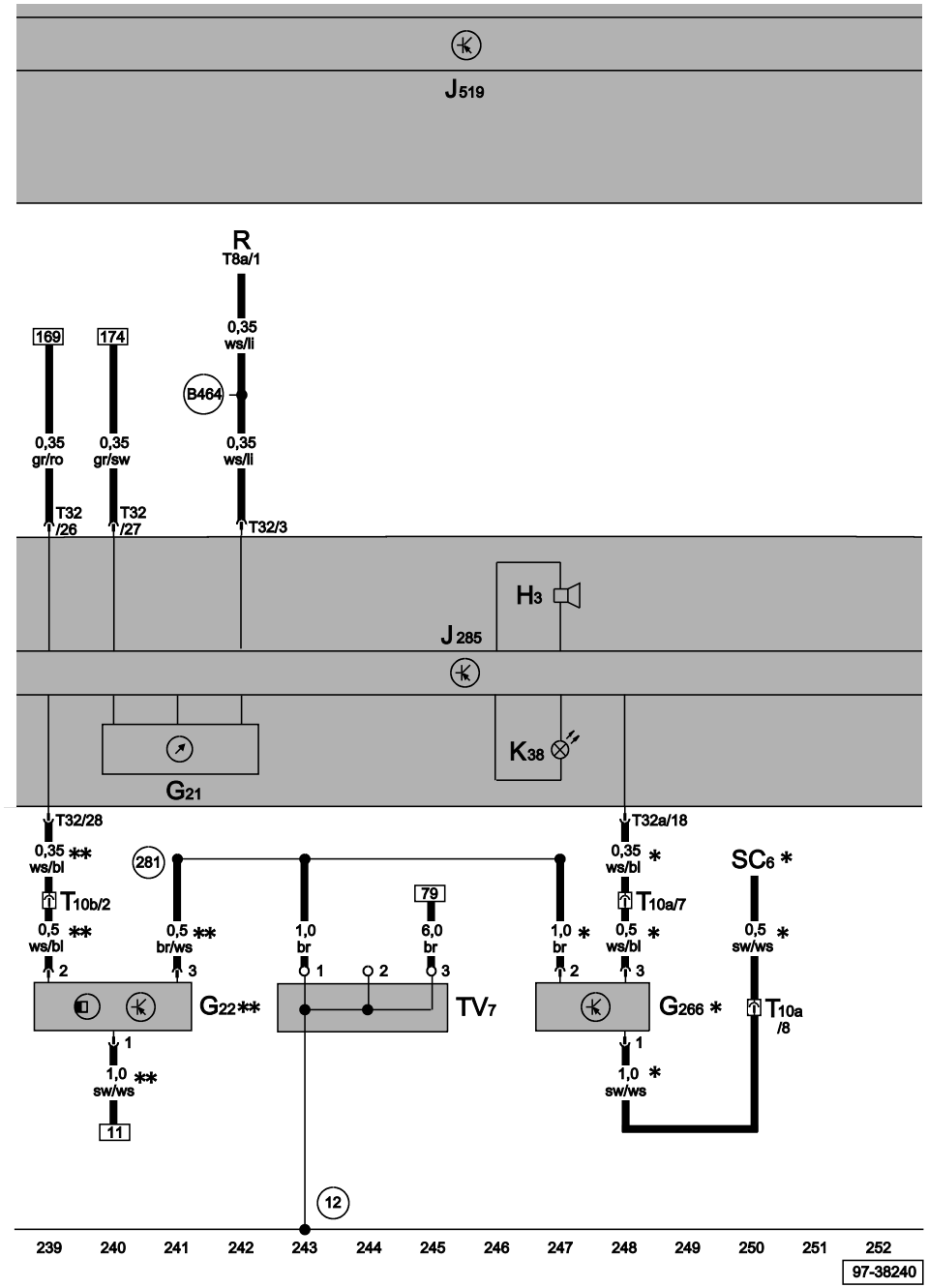
F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T14	14-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, fuel gauge, coolant temperature gauge, handbrake warning, warning lamps, oil pressure switch, immobilizer, fuel pump

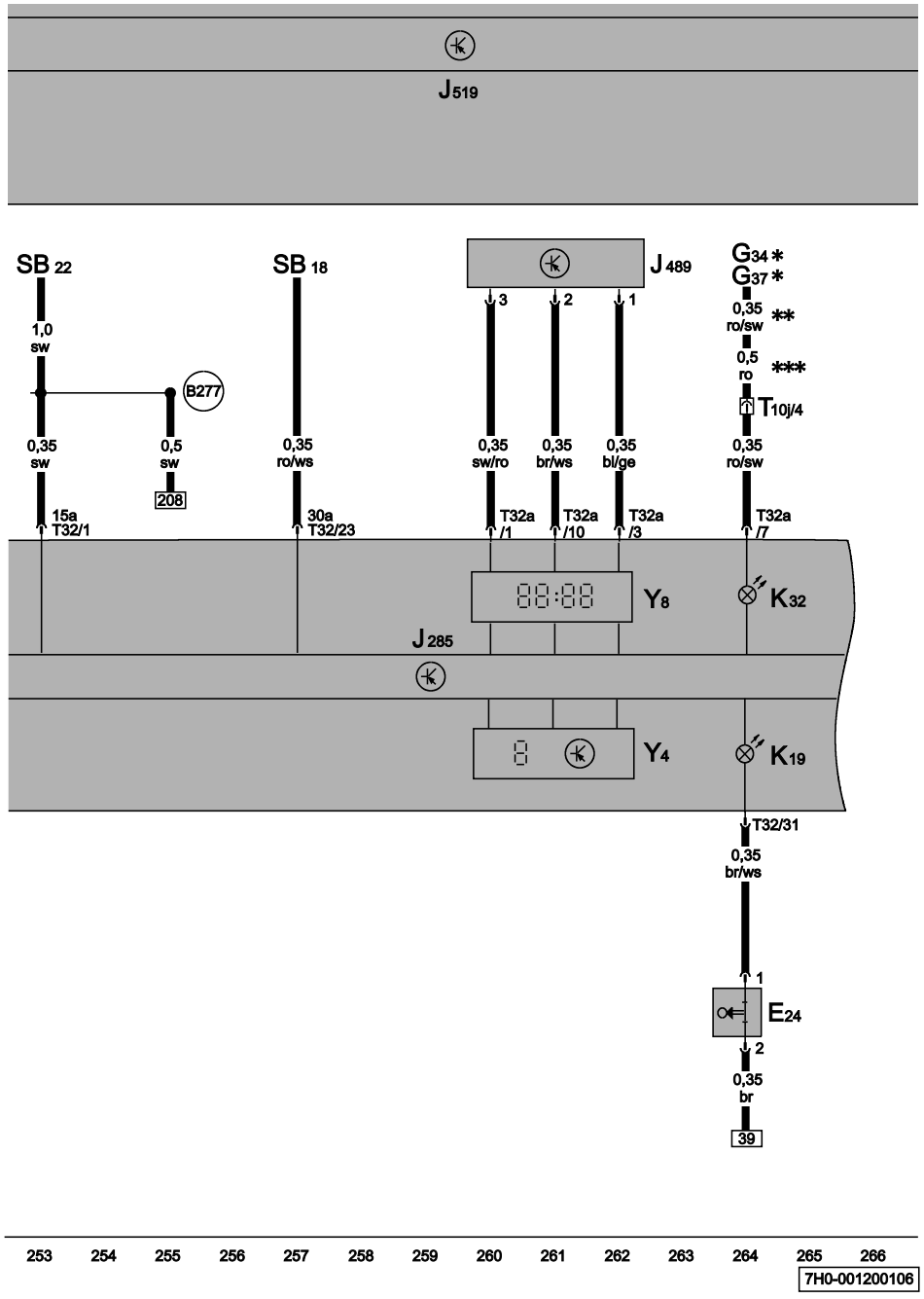
D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K1	Main beam warning lamp
K3	Oil pressure warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	⇒ engine Current Flow Diagram



Dash panel insert, speedometer sender, oil level warning lamp, oil level and oil temperature sender

G21	Speedometer
G22	Speedometer sender
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K38	Oil level warning lamp
R	Radio
SC6	Fuse 6 on fuse holder C
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B464	Connection (speed signal), in main wiring harness
*	for models with extended servicing intervals only
**	applicable up to June 2003

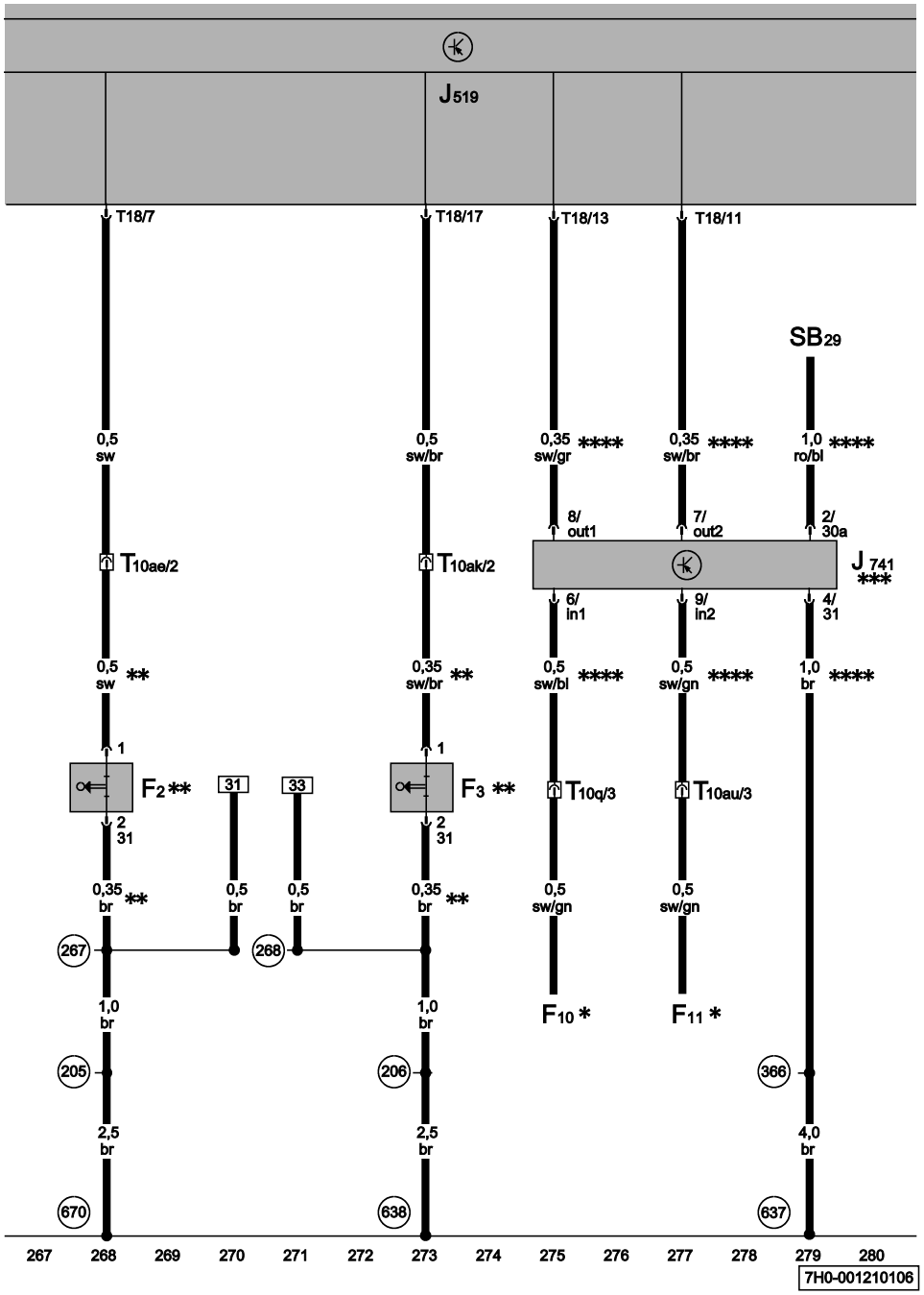
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Dash panel insert, warning lamps, belt switch, brake pad wear sender, radio controlled clock

E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	⇒ ABS Current Flow Diagram
**	applicable up to May 2003
***	applicable from June 2003

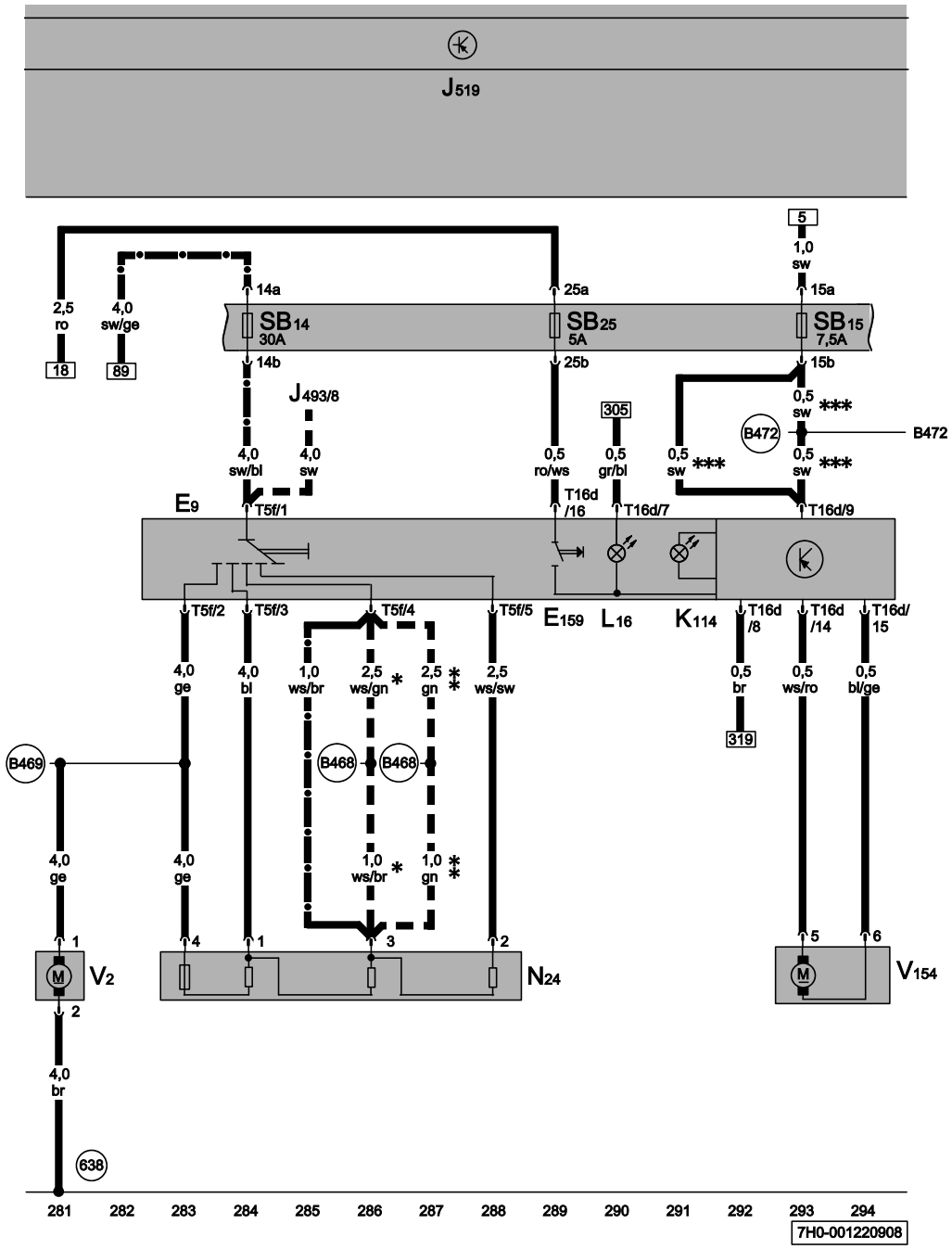
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or	=	orange
rs	=	pink



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Onboard power supply control unit, door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	⇒ Current Flow Diagram: convenience system
**	for models without central locking only
***	on relay carrier (2) cockpit ⇒ Fitting Locations
****	applicable from June 2003, models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram



ws = white

Fuses, fresh air blower switch, fresh air and air recirculation flap switch, fresh air blower, fresh air and air recirculation flap control motor

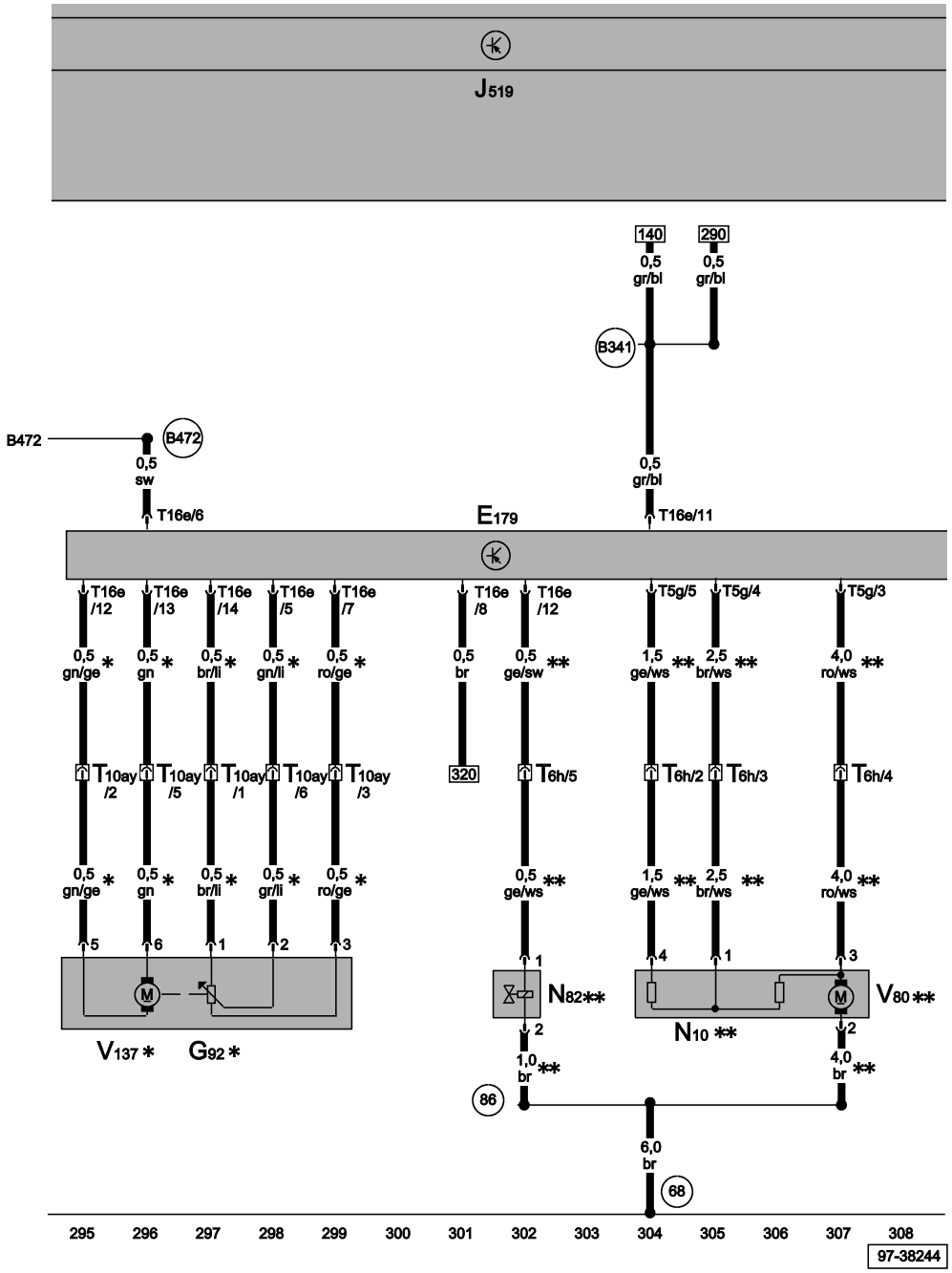
E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness

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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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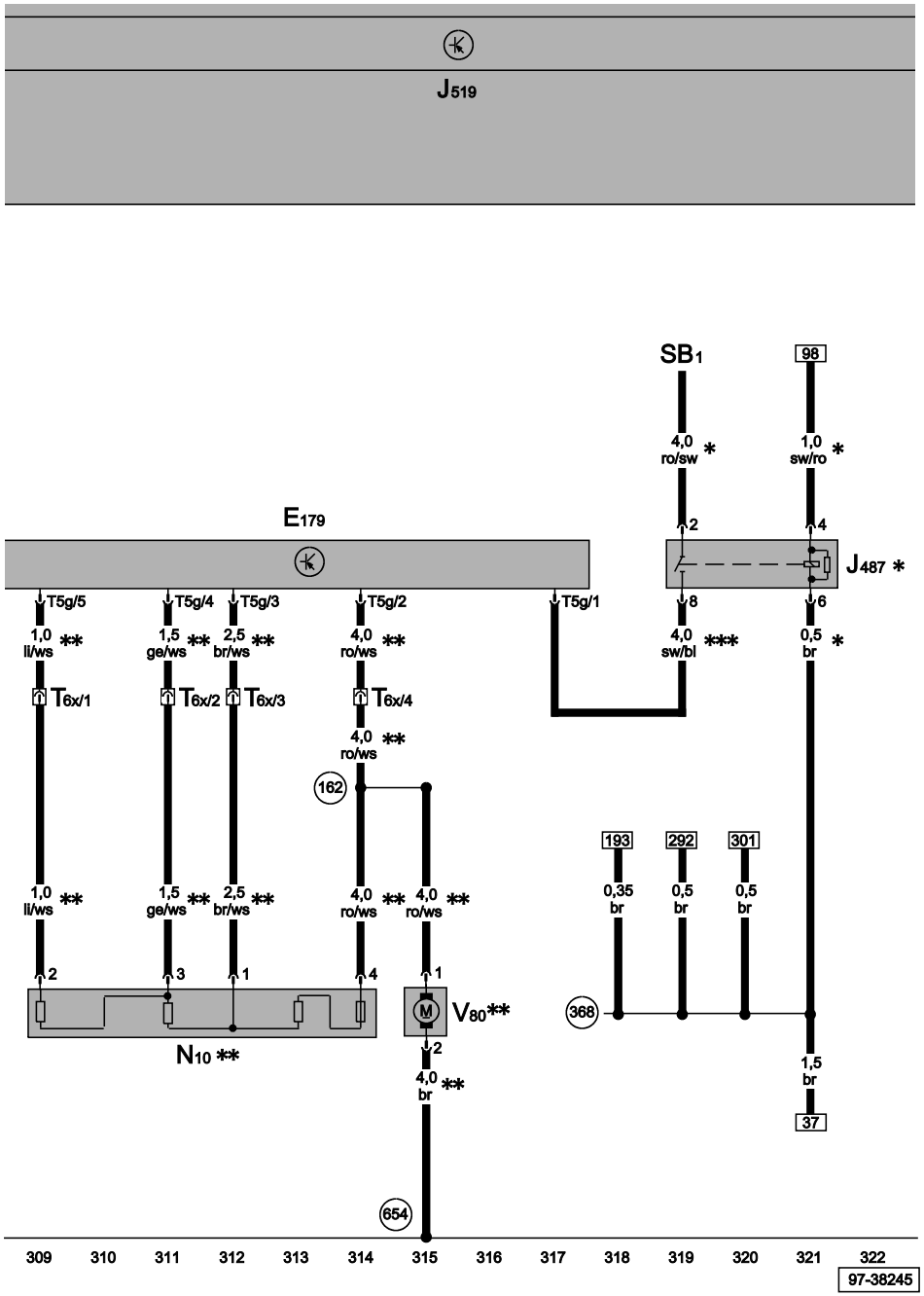
*	applicable up to May 2003
**	applicable from June 2003
***	depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, rear potentiometer for temperature flap control motor, coolant shut-off valve

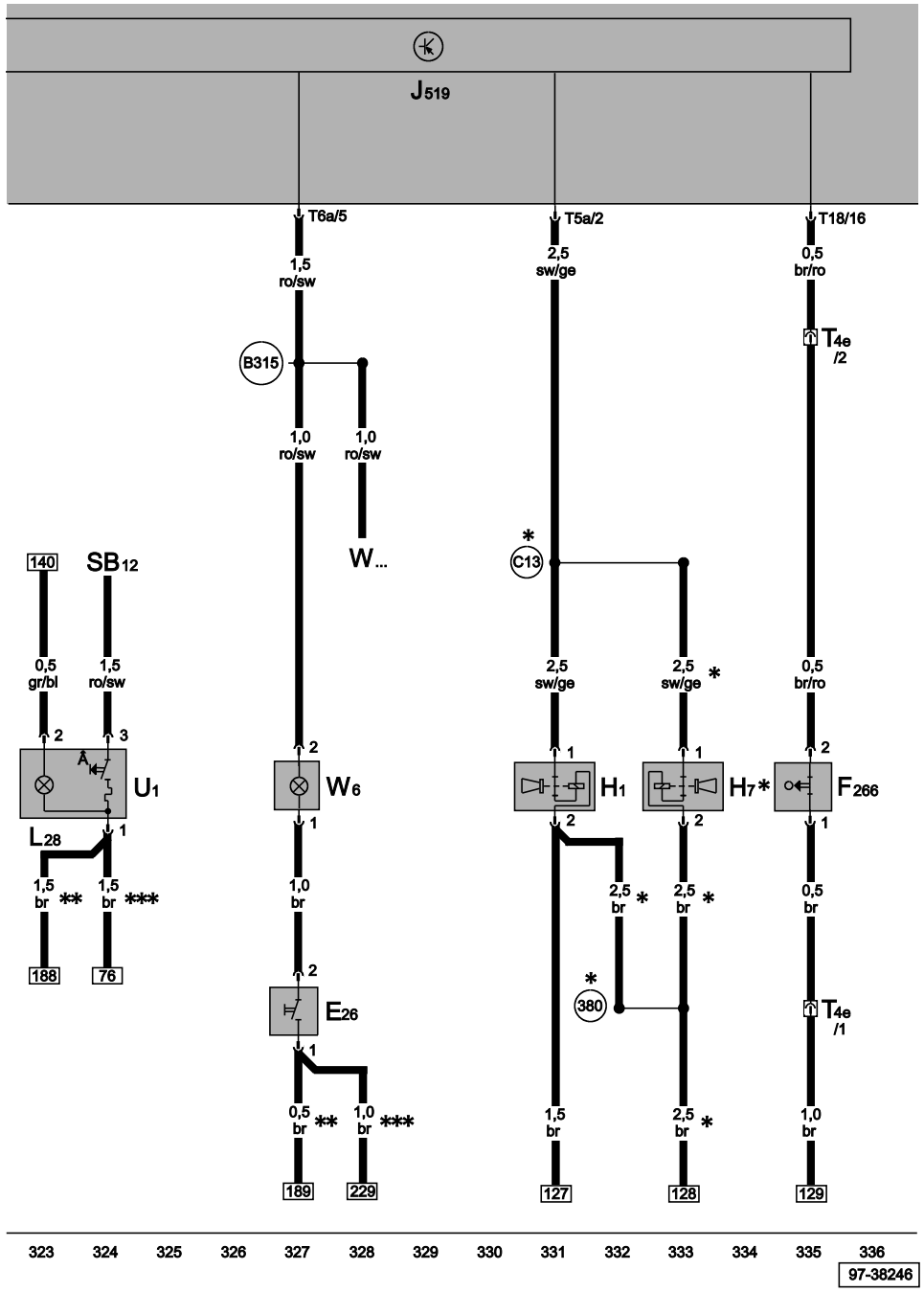
E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	For box-type delivery van or hybrid vehicle only, not double cab
**	for models with double cab only



ws = white
sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
654	Earth point, right D-pillar
*	for models with a 2nd heater in passenger compartment only
**	For box-type delivery van or hybrid vehicle with a 2nd heater in passenger compartment only, not double cab, not camper
***	for models with a 2nd heater in passenger compartment only, not for camper



Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
E26	Glove compartment light switch
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
W...	Reading/interior lights
380	Earth connection 15, in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with dual tone horn only
**	applicable up to May 2003
***	applicable from June 2003

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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or	=	orange
rs	=	pink

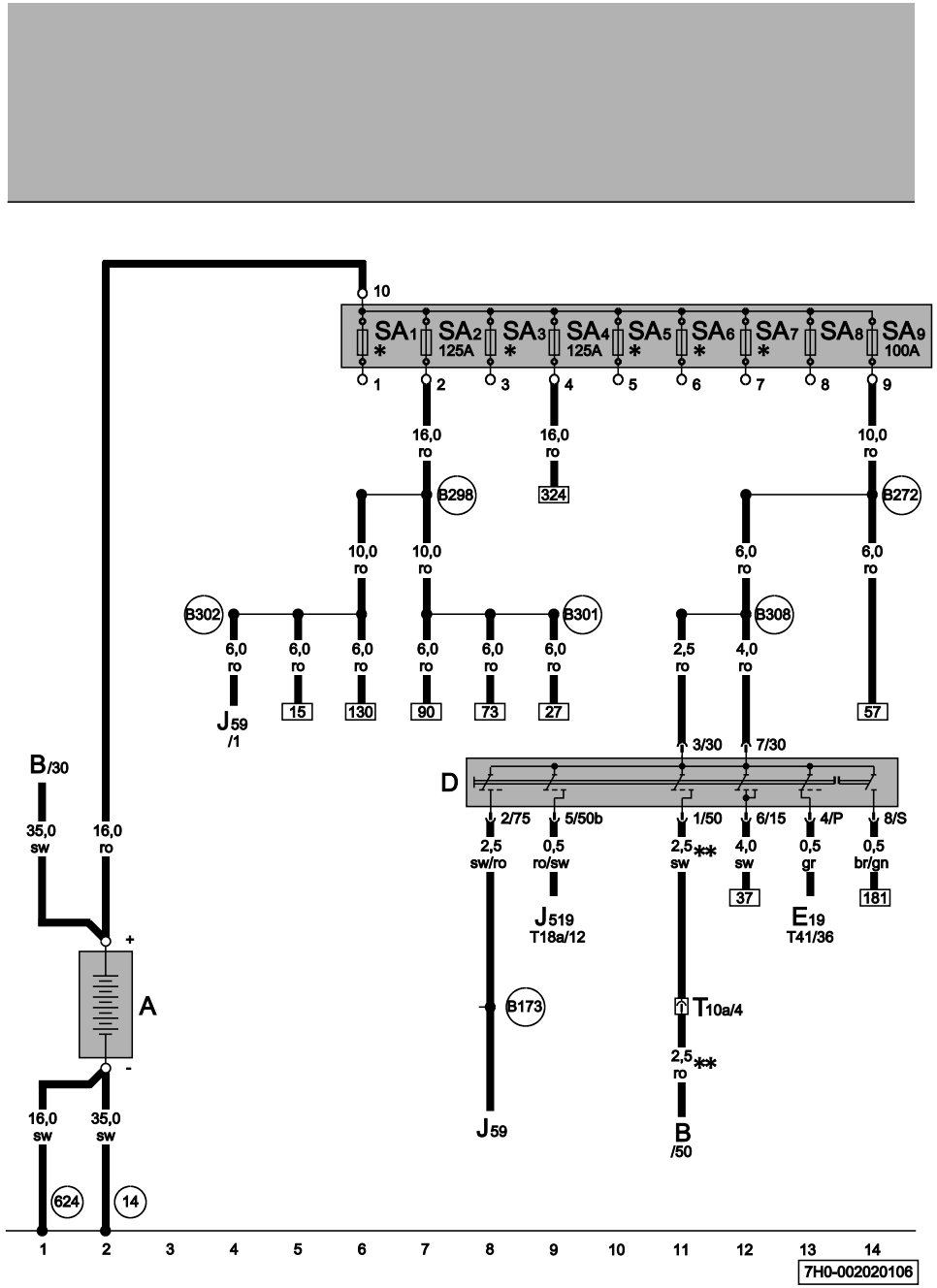
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

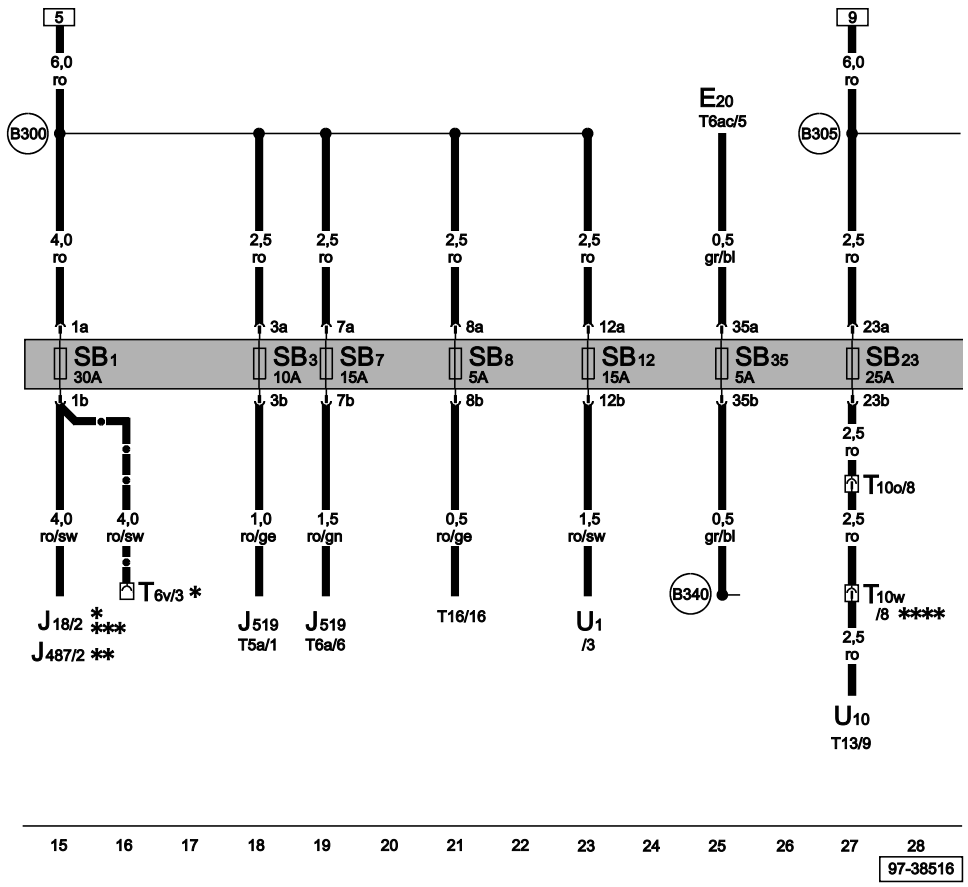
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, ignition/starter switch, fuses on fuse holder A

A	Battery
B	Starter
D	Ignition/starter switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B173	Positive connection 2 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	⇒ Fitting Locations
**	for models with manual gearbox and without electric interface only

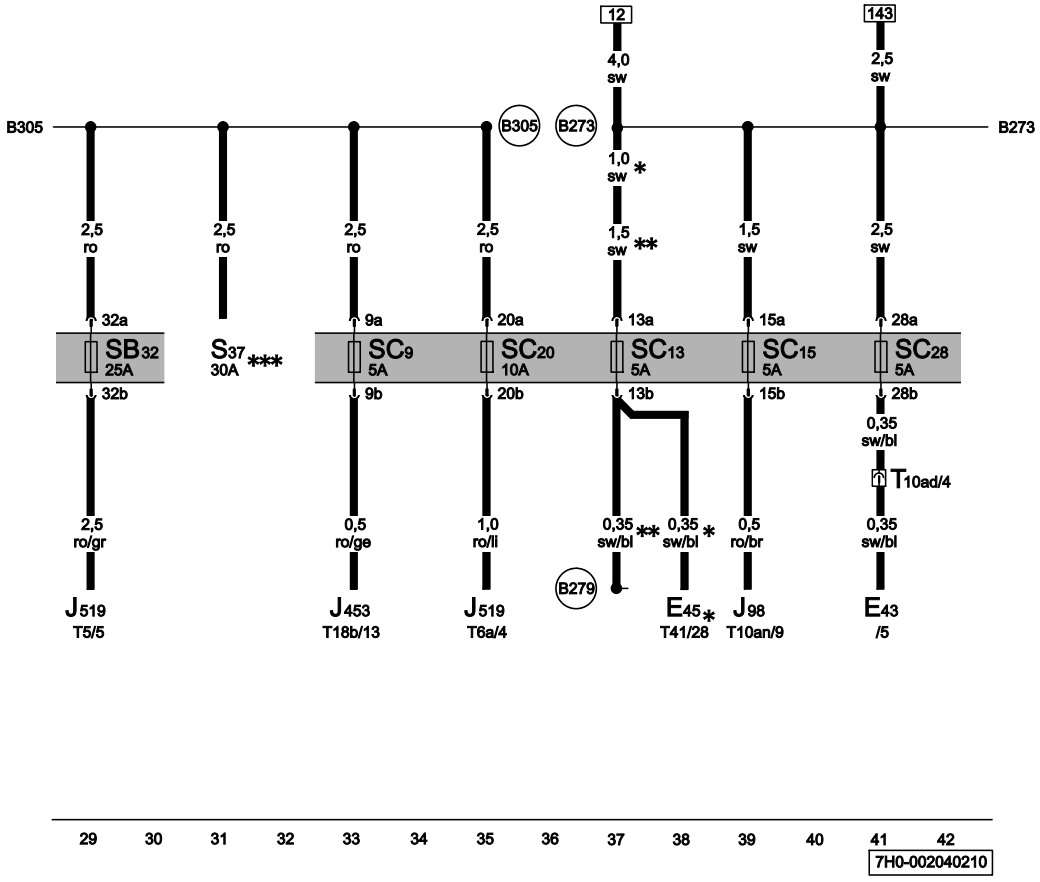


ws = white

Fuses SB

E20	Switches and instruments illumination regulator
J18	X-contact relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB35	Fuse 35 on fuse holder B
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T13	13-pin connector
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
U10	Trailer socket
B300	Positive connection 4 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
***	applicable up to May 2003
****	for models with double cab/ plank bed only
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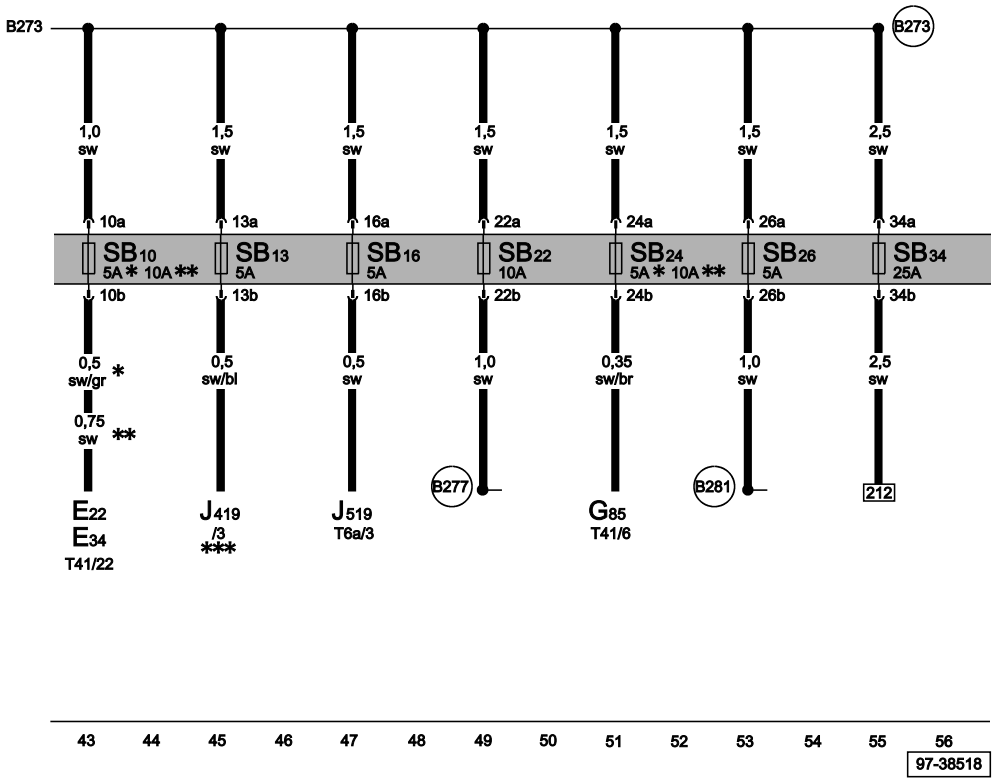
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or	=	orange	
rs	=	pink	



Fuses SB and SC

E43	Mirror adjustment switch
E45	Cruise control system switch
J98	Gearshift indicator control unit
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
SB32	Fuse 32 on fuse holder B
SC9	Fuse 9 on fuse holder C
SC13	Fuse 13 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T18b	18-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with cruise control system only
**	for models with operating unit in steering wheel for radio and CCS only
***	on relay carrier (1) cockpit, ⇒ Fitting Locations

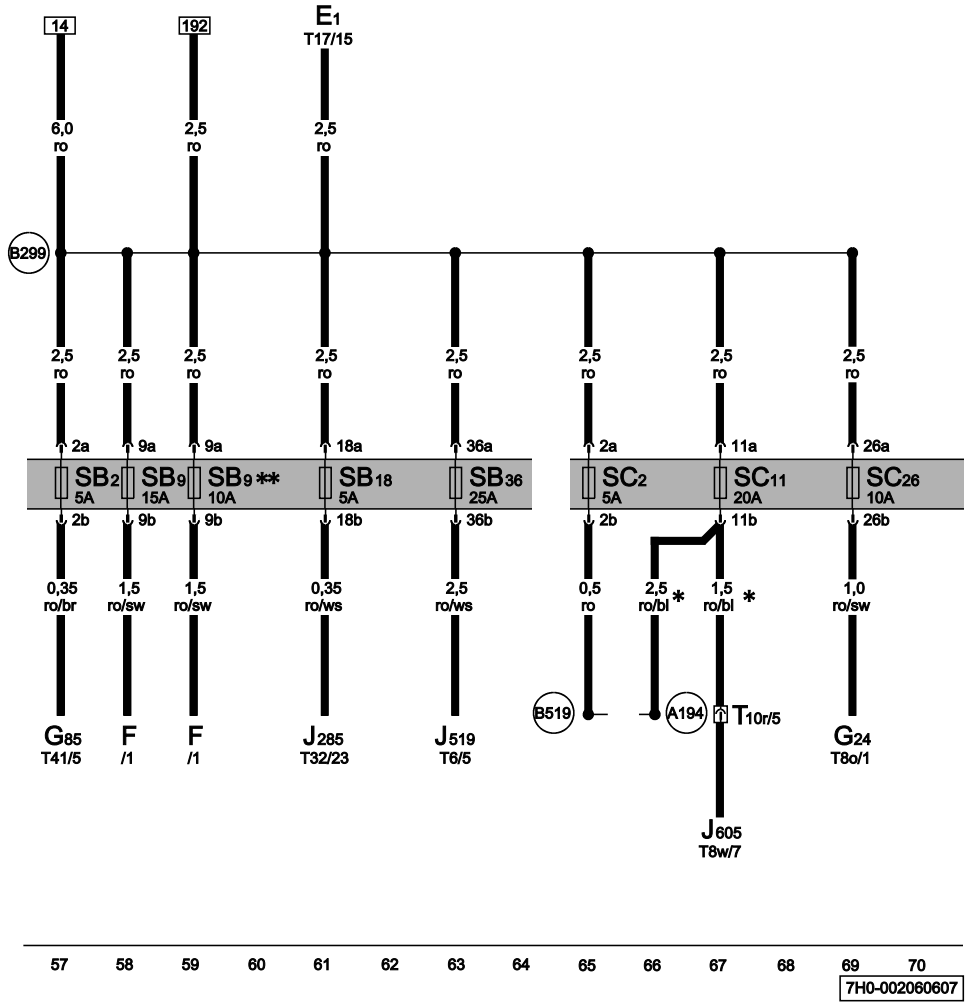
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gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Fuses SB

E22	Intermittent wiper switch
E34	Rear wiper switch
G85	Steering angle sender
J419	Brake light additional relay
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
SB13	Fuse 13 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB22	Fuse 22 on fuse holder B
SB24	Fuse 24 on fuse holder B
SB26	Fuse 26 on fuse holder B
SB34	Fuse 34 on fuse holder B
T6a	6-pin connector, brown
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	on relay carrier (1) cockpit ⇒ Fitting Locations

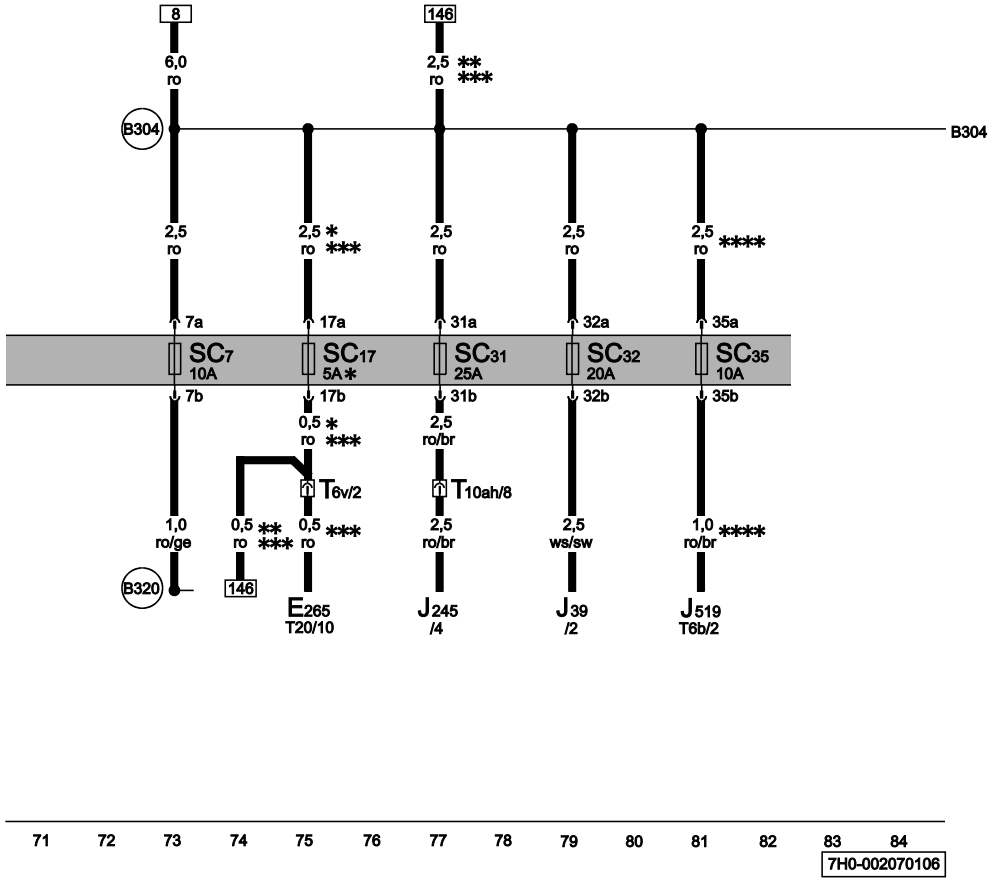
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or	=	orange
rs	=	pink



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ro = red
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gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Fuses SB and SC

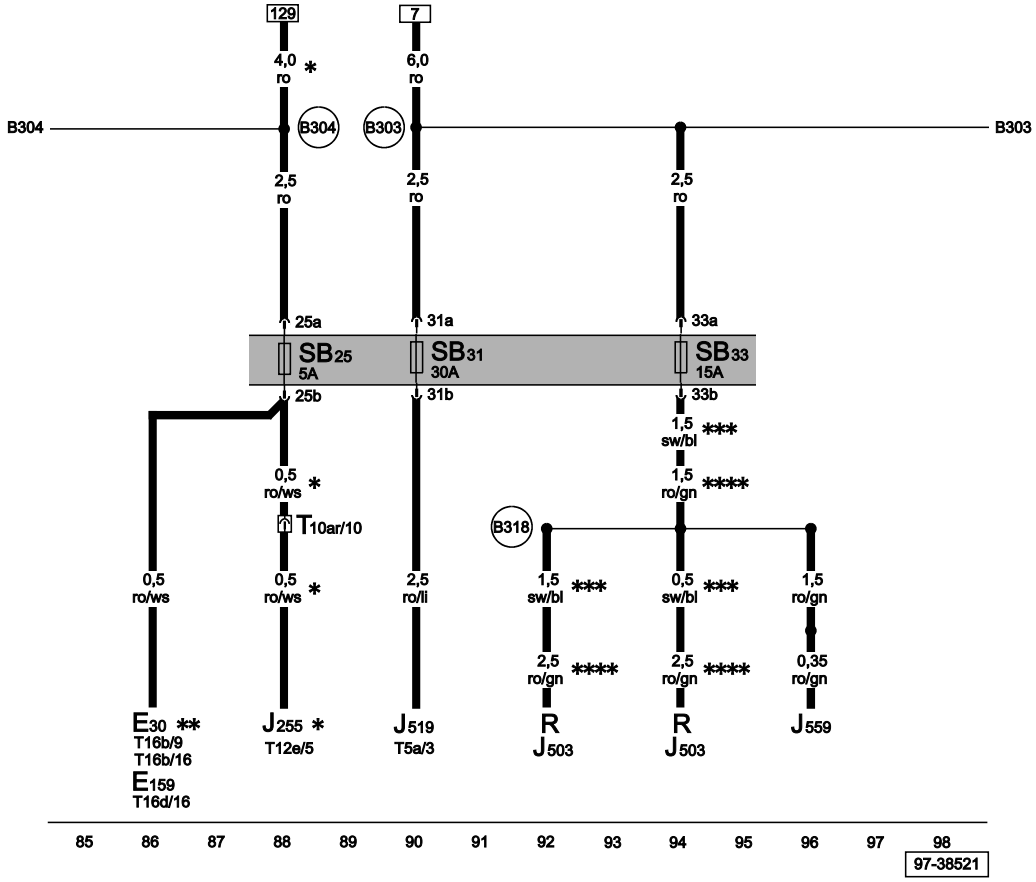
E1	Light switch
F	Brake light switch
G24	Tachograph
G85	Steering angle sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J605	Rear lid control unit
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
SC11	Fuse 11 on fuse holder C
SC26	Fuse 26 on fuse holder C
T6	6-pin connector, black
T8o	8-pin connector, white
T8w	8-pin connector, black, coupling station left D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	depends on equipment
**	applicable from September 2003



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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Fuses SC

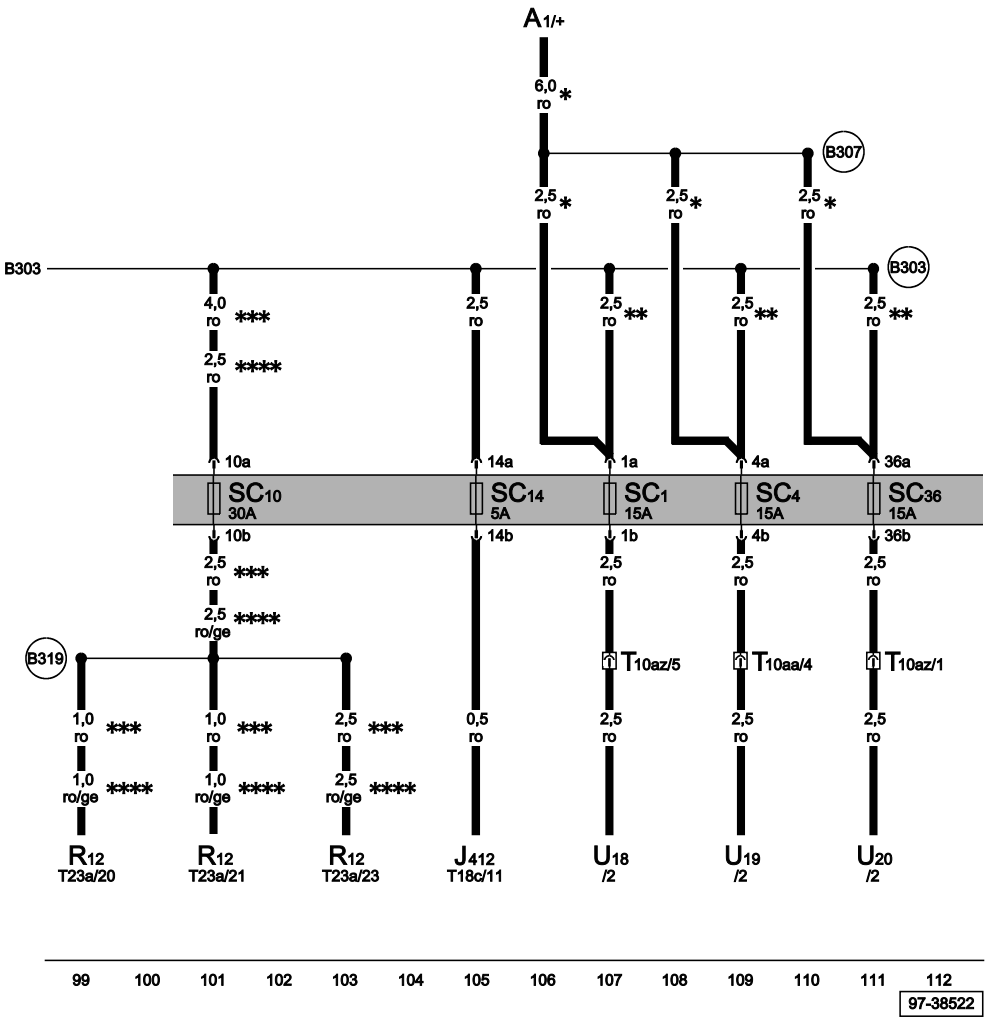
E265	Operating and display unit for rear Climatronic
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J519	Onboard supply control unit
SC7	Fuse 7 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T6b	6-pin connector, red
T6v	6-pin connector, red, coupling station under front passenger seat
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T20	20-pin connector
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	for models with Climatronic only
****	for models with automatic gearbox only



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Fuses SB

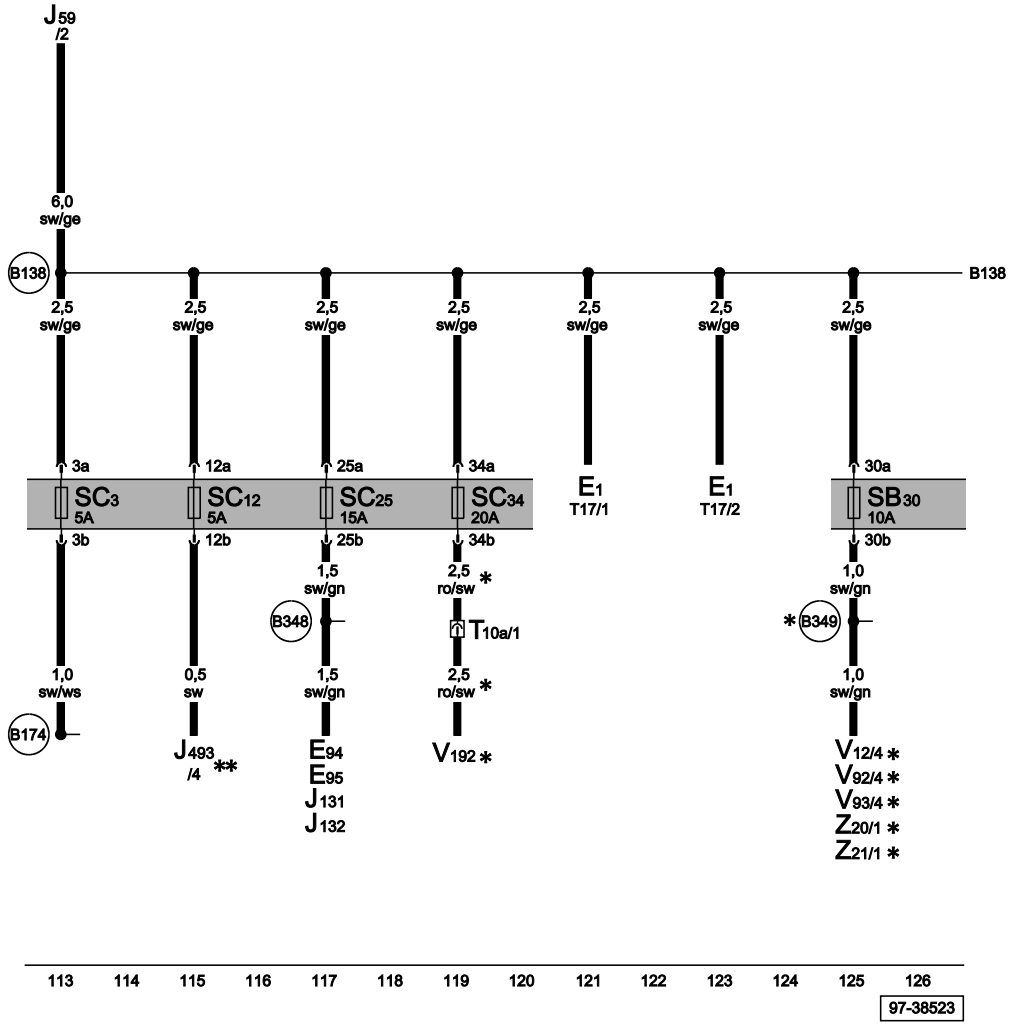
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J255	Climatronic control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R	Radio
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB33	Fuse 33 on fuse holder B
T5a	5-pin connector, brown
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
***	for models with radio system only, wire cross-section depends on equipment
****	for models with radio navigation system only, wire cross-section depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SC

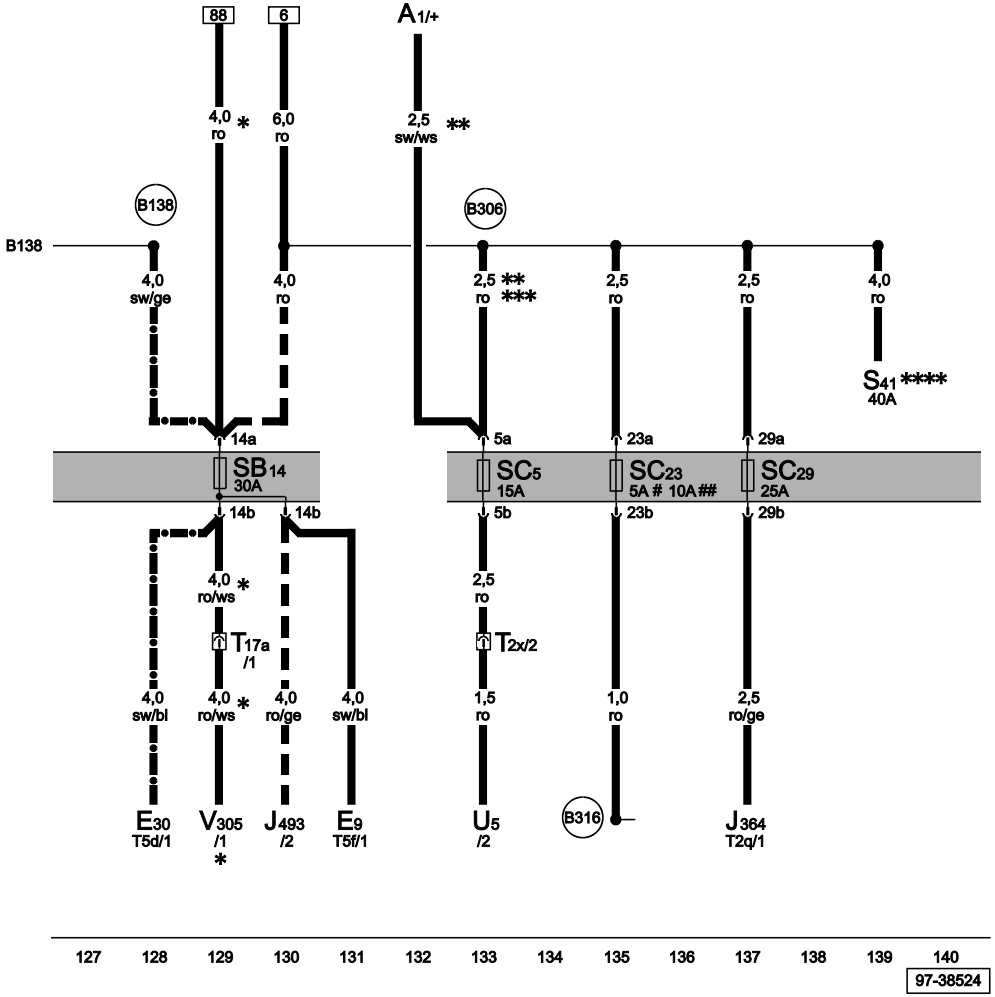
A1	Second battery
J412	Mobile telephone operating electronics control unit
R12	Amplifier
SC1	Fuse 1 on fuse holder C
SC4	Fuse 4 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC36	Fuse 36 on fuse holder C
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10az	10-pin connector, white, coupling station under front passenger seat
T18c	18-pin connector, VDA connection for interface box
T23a	23-pin connector, red
U18	12 V socket 2
U19	12 V socket 3
U20	12 V socket 4
B303	Positive connection 7 (30), in main wiring harness
B307	Positive connection 11 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with second battery only
**	for models without second battery only
***	for models with radio system only
****	for models with radio navigation system only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB and SC

E1	Light switch
E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J131	Heated driver seat control unit
J132	Heated front passenger seat control unit
J493	Auxiliary coolant heater relay
SB30	Fuse 30 on fuse holder B
SC3	Fuse 3 on fuse holder C
SC12	Fuse 12 on fuse holder C
SC25	Fuse 25 on fuse holder C
SC34	Fuse 34 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
V192	Vacuum pump for brakes
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B174	Positive connection 3 (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
B349	Connection 2 (75A), in main wiring harness
*	depends on equipment
**	on relay carrier (1) cockpit, ⇒ Fitting Locations

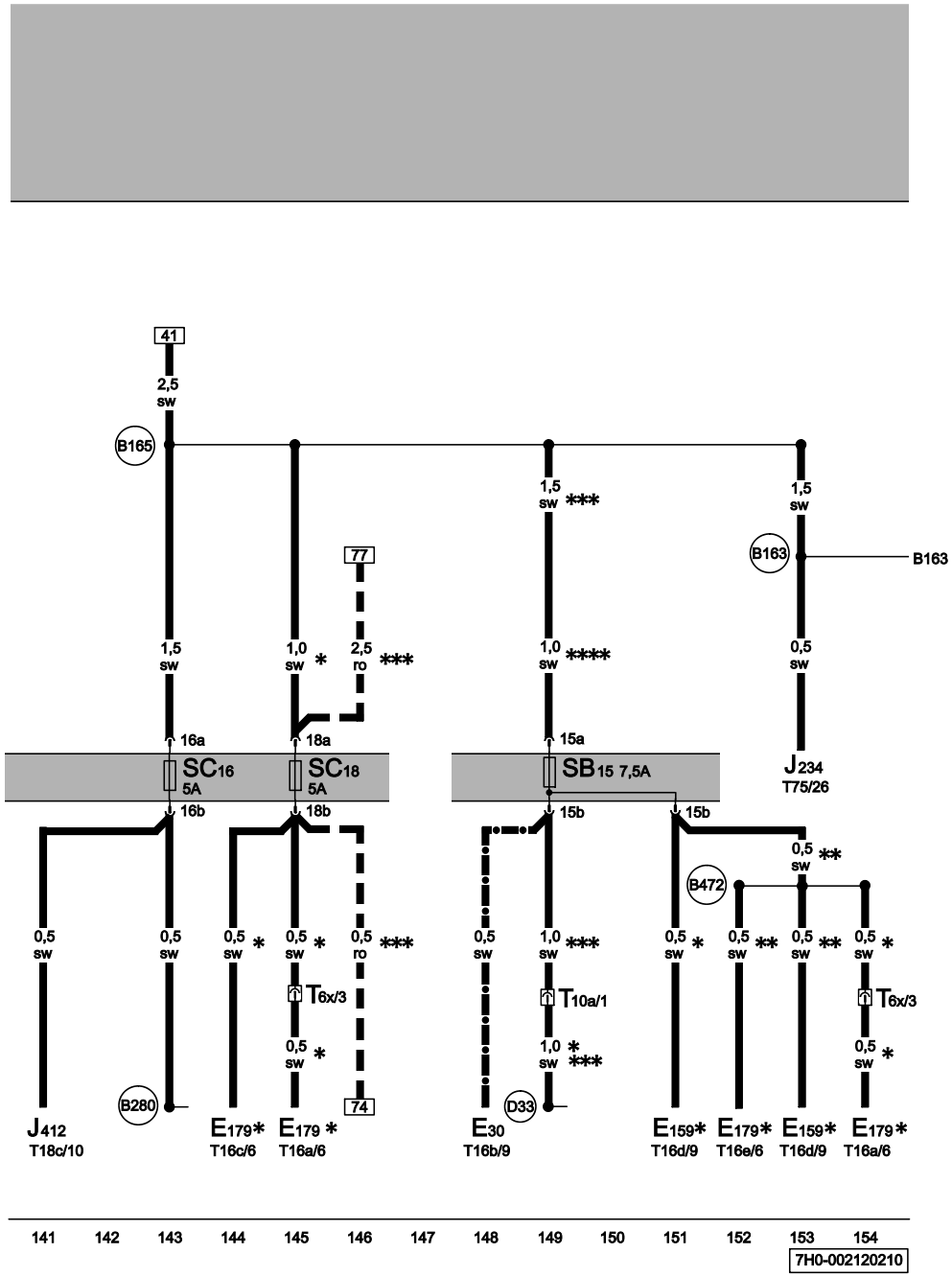


Fuses SB and SC

A1	Second battery
E9	Fresh air blower switch
E30	Air conditioning system switch
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
S41	Heated rear window fuse
SB14	Fuse 14 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2x	2-pin connector, black, under front passenger seat
T5d	5-pin connector
T5f	5-pin connector
T17a	17-pin connector, black, behind the glove compartment
U5	12 V socket
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
#	applicable up to May 2003
##	applicable from June 2003
*	for models with Climatronic only
**	depends on equipment
***	Is dropped from February 2004
****	on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

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for models without auxiliary coolant heater only



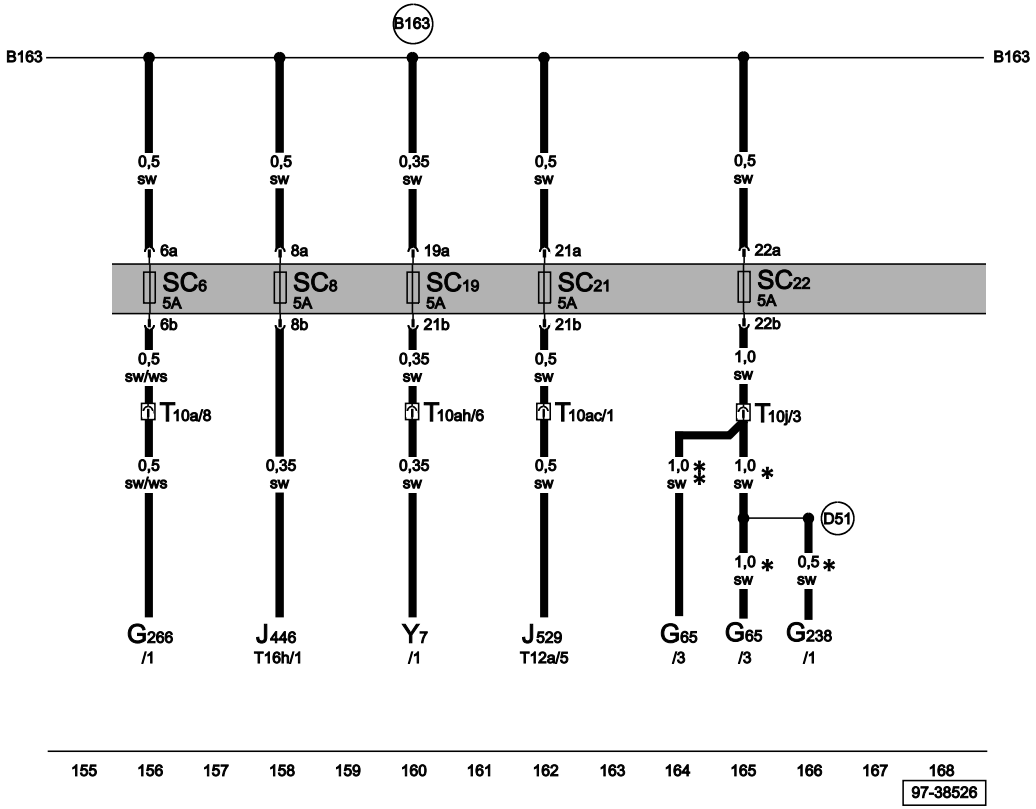
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Fuses SB and SC

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J412	Mobile telephone operating electronics control unit
SB15	Fuse 15 on fuse holder B
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T18c	18-pin connector, VDA connection for interface box
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B280	Positive connection 4 (15a), in main wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	depends on equipment
**	depends on equipment, wire colour black/blue up to May 2003
***	for models with Climatronic only
****	for models without Climatronic only
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bl	=	blue
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or	=	orange
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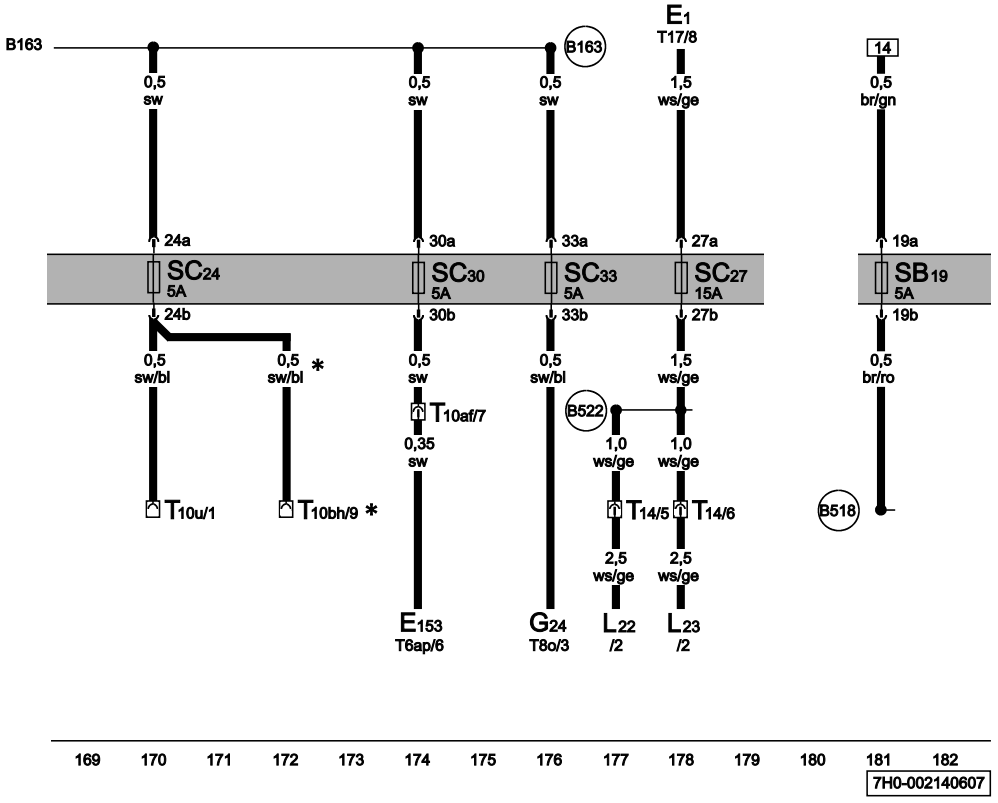
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ws = white
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ge = yellow
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rs = pink

Fuses SC

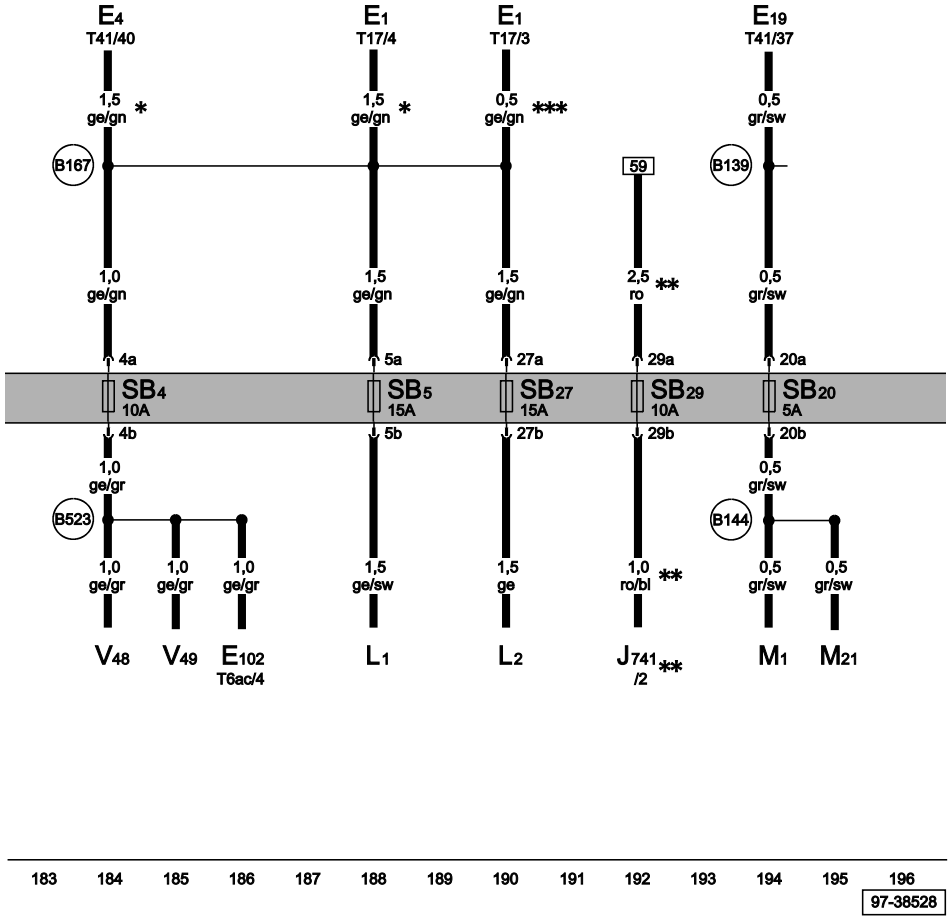
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, white
Y7	Automatic anti-dazzle interior mirror
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only



Fuses SB and SC

E1	Light switch
E153	Operating and display unit for camping equipment
G24	Tachograph
L22	Left fog light bulb
L23	Right fog light bulb
SB19	Fuse 19 on fuse holder B
SC24	Fuse 24 on fuse holder C
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC33	Fuse 33 on fuse holder C
T6ap	6-pin connector
T8o	8-pin connector, white
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T14	14-pin connector, black, near front right headlight
T17	17-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B518	Connection (86s), in main wiring harness
B522	Connection (FL), in main wiring harness
*	applicable from June 2003

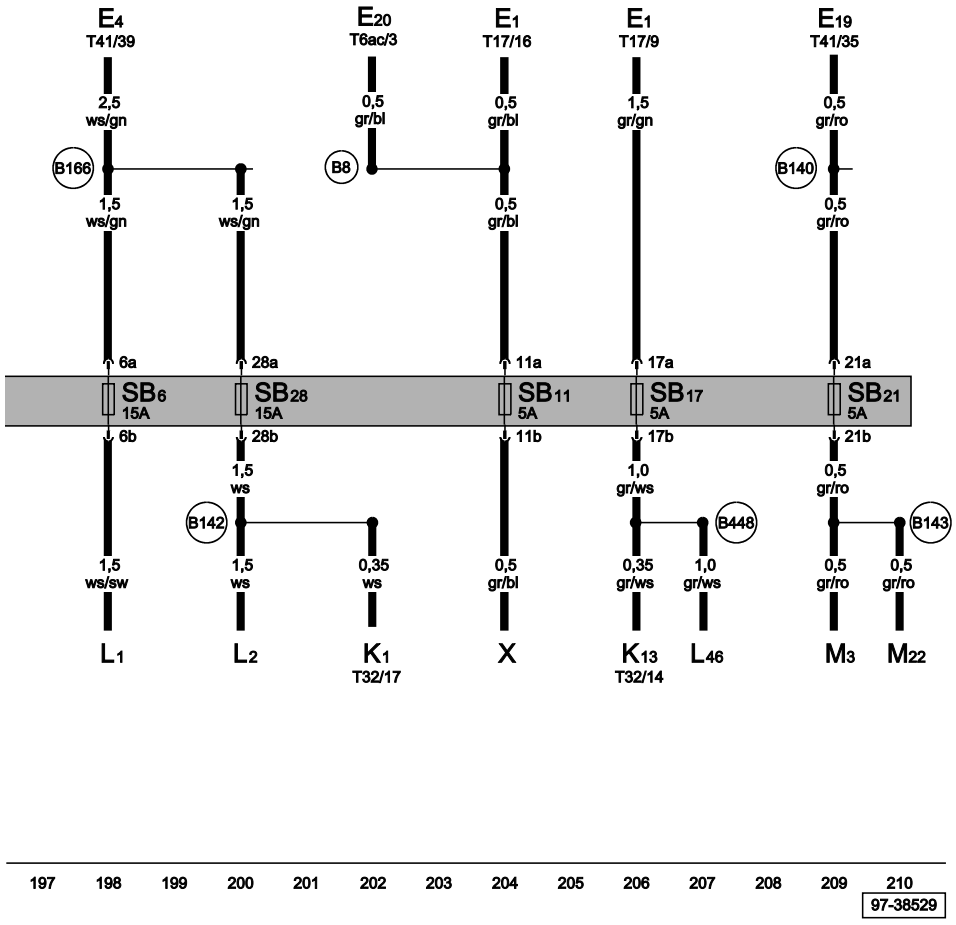
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses SB

E1	Light switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E102	Headlight range control regulator
J741	Dual signal inverter relay
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M1	Left side light bulb
M21	Left brake and tail light bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB29	Fuse 29 on fuse holder B
T6ac	6-pin connector
T17	17-pin connector
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	depends on equipment
**	applicable from June 2003
***	for models with day driving light only

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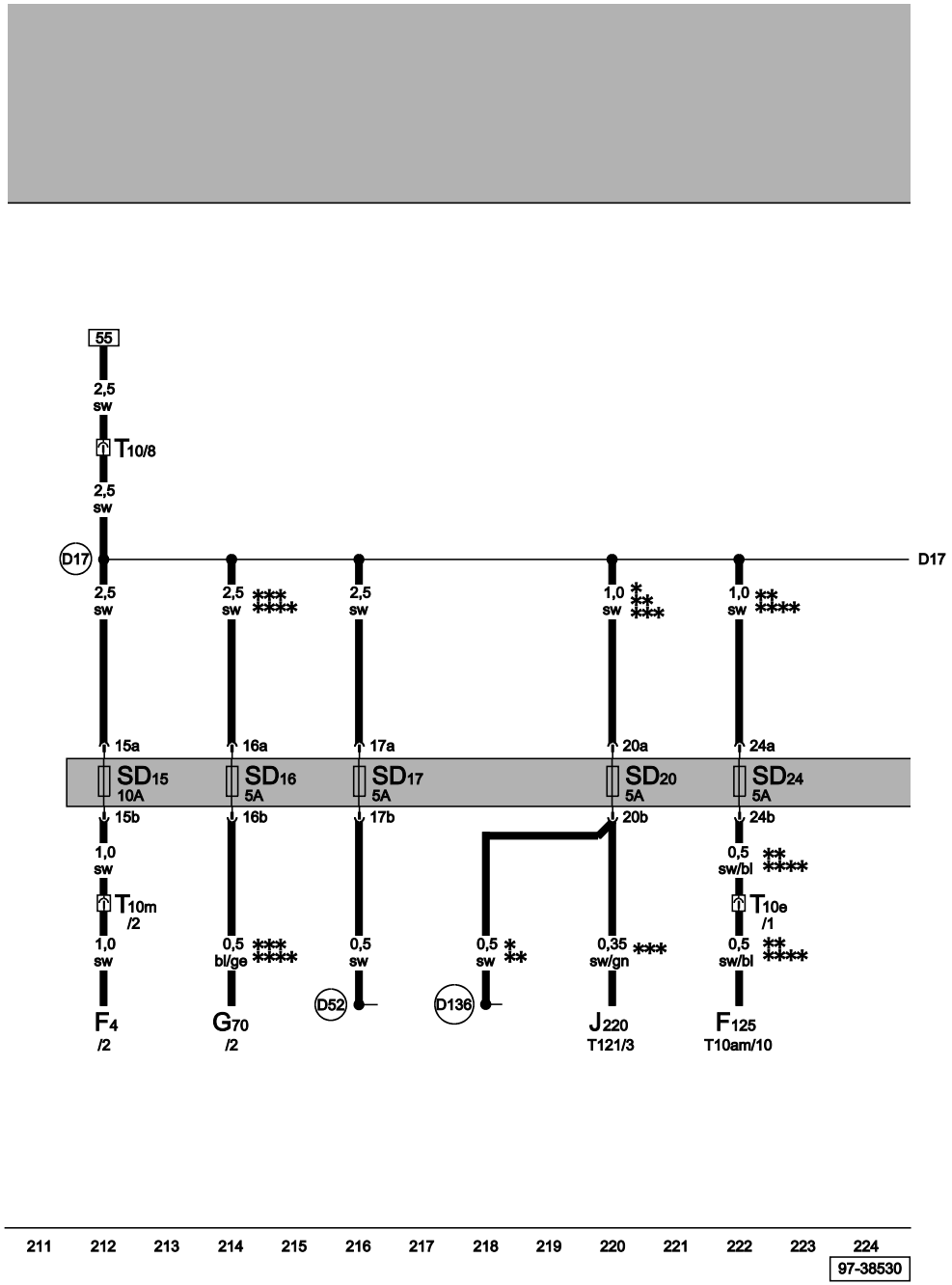


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB

E1	Light switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E20	Switches and instruments illumination regulator
K1	Main beam warning lamp
K13	Rear fog light warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
L46	Rear left fog light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB6	Fuse 6 on fuse holder B
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
SB21	Fuse 21 on fuse holder B
SB28	Fuse 28 on fuse holder B
T6ac	6-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
X	Number plate light

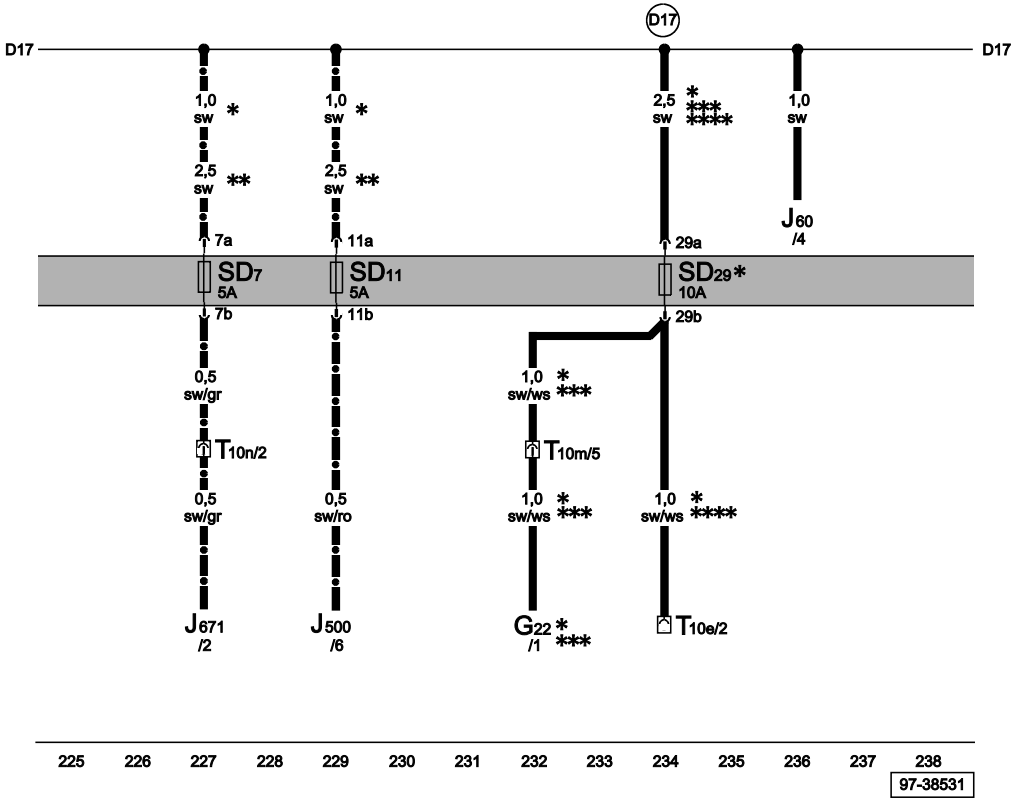
B8	Positive connection (58), in light switch wiring harness
B140	Connection (RPL), in interior wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B448	Connection (rear fog light), in main wiring harness



ws = white
sw = black
ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Fuses SD

F4	Reversing light switch
F125	Multifunction switch
G70	Air mass meter
J220	Motronic control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD20	Fuse 20 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXD and AXE only
***	for models with engine code AXA only
****	for models with engine codes BDL, BDM and BKK only

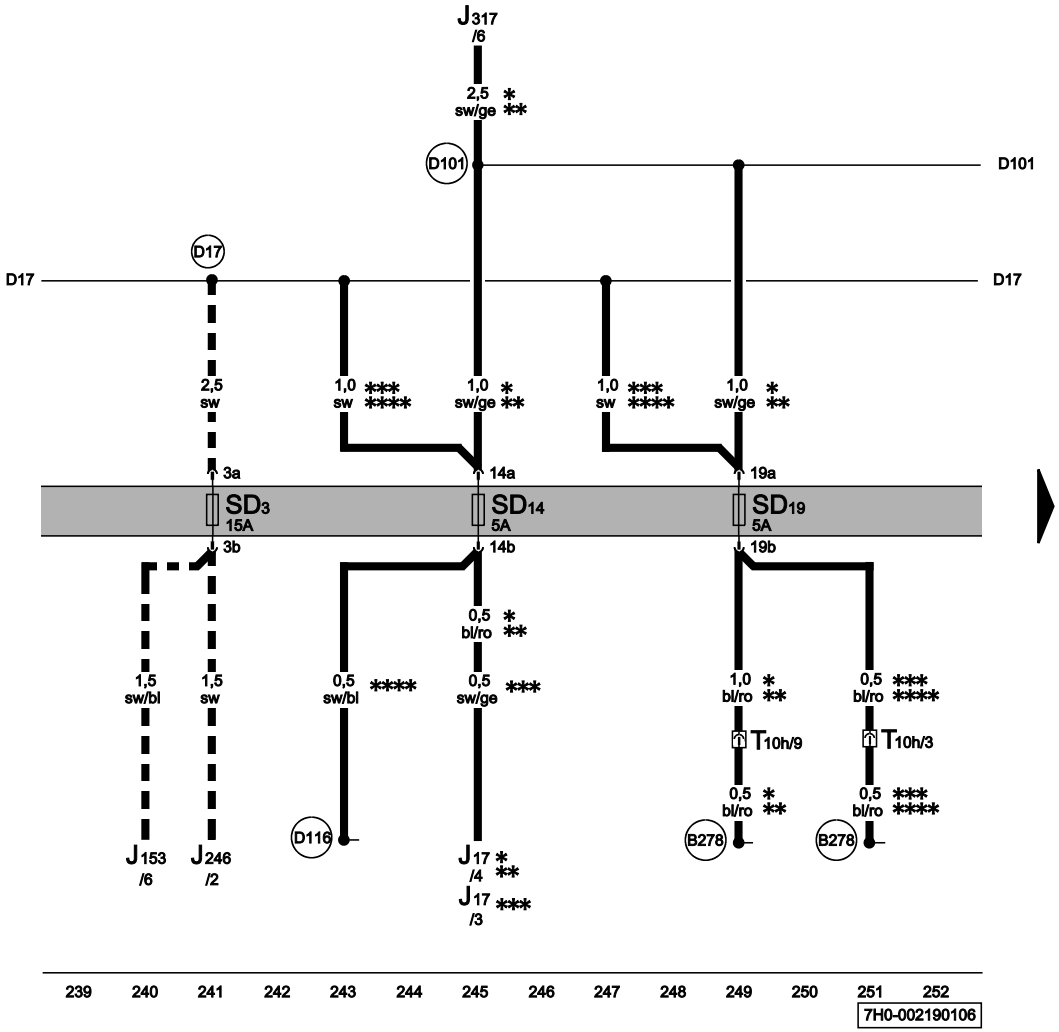


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Fuses SD

G22	Speedometer sender
J60	Automatic gearbox relay
J500	Power steering control unit
J671	Radiator fan control unit 2
SD7	Fuse 7 on fuse holder D
SD11	Fuse 11 on fuse holder D
SD29	Fuse 29 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
*	applicable up to May 2003
**	applicable from June 2003
***	for models with engine codes AXB and AXC only
****	for models with engine code AXA only
<fo:exter	depends on equipment

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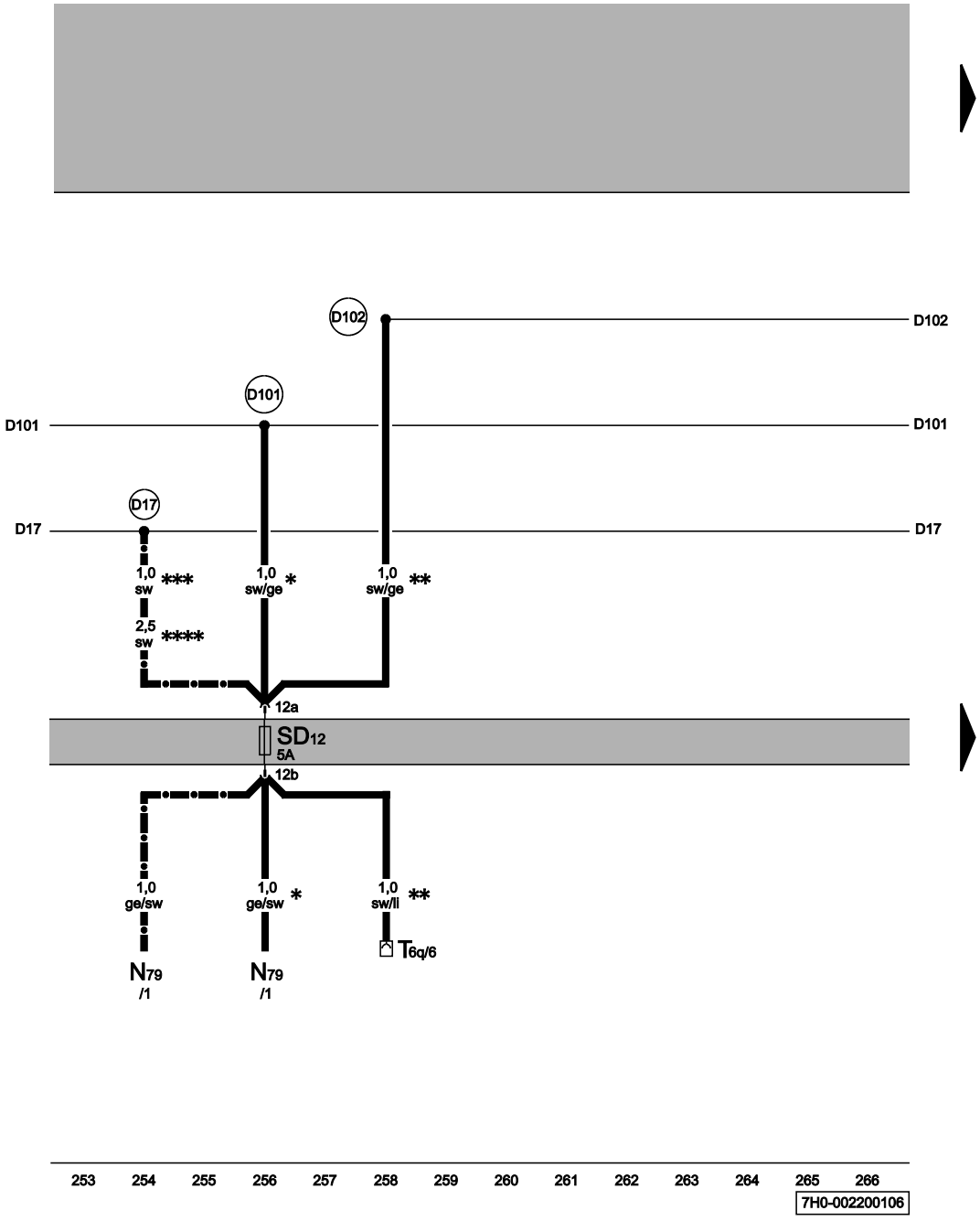


ws = white
sw = black
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD

J17	Fuel pump relay
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
J317	Terminal 30 voltage supply relay
SD3	Fuse 3 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXD and AXE only
***	for models with engine code AXA only
****	for models with engine codes BDL, BDM and BKK only
<fo:exter	depends on equipment

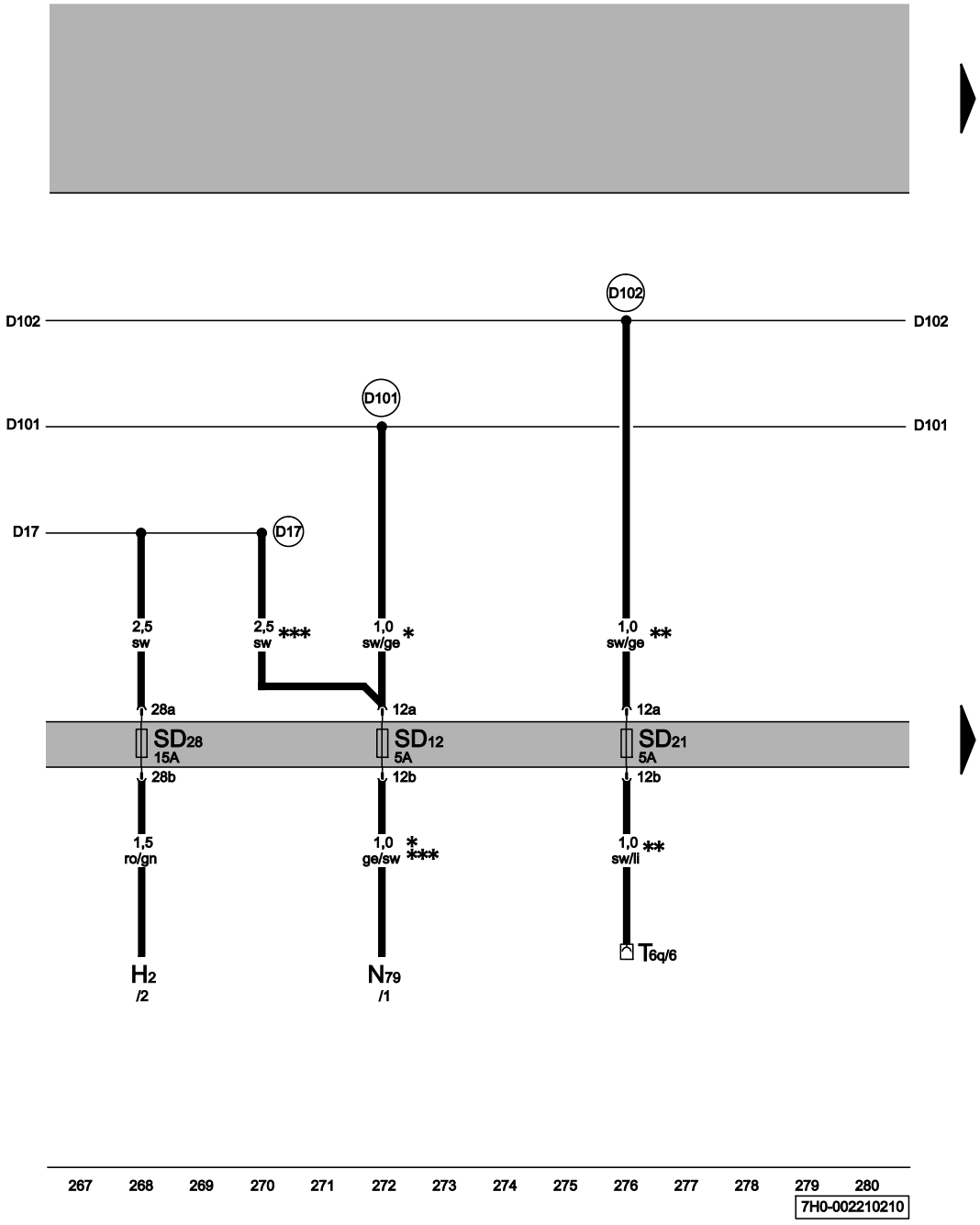
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Fuse SD12, applicable up to January 2004

N79	Heater element for crankcase breather
SD12	Fuse 12 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	only models with engine codes AXB, AXC, AXD and AXE for cold climate zones
**	for models with engine code AXA only
***	applicable up to May 2003
****	applicable from June 2003
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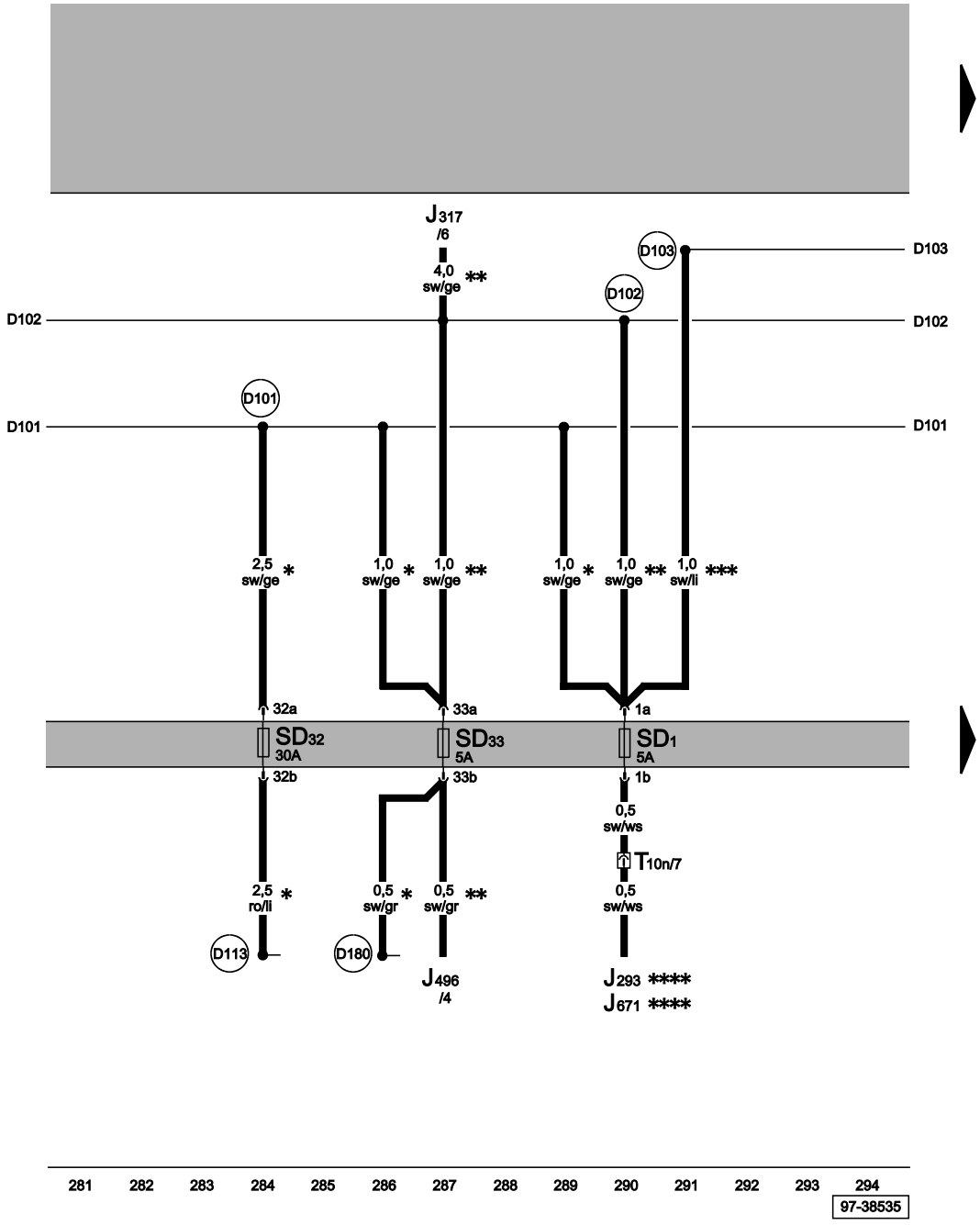
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses SD

H2	Treble tone horn
N79	Heater element for crankcase breather
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
SD28	Fuse 28 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	only models with engine codes AXA, AXB, AXC, AXD and AXE for cold climate zones
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

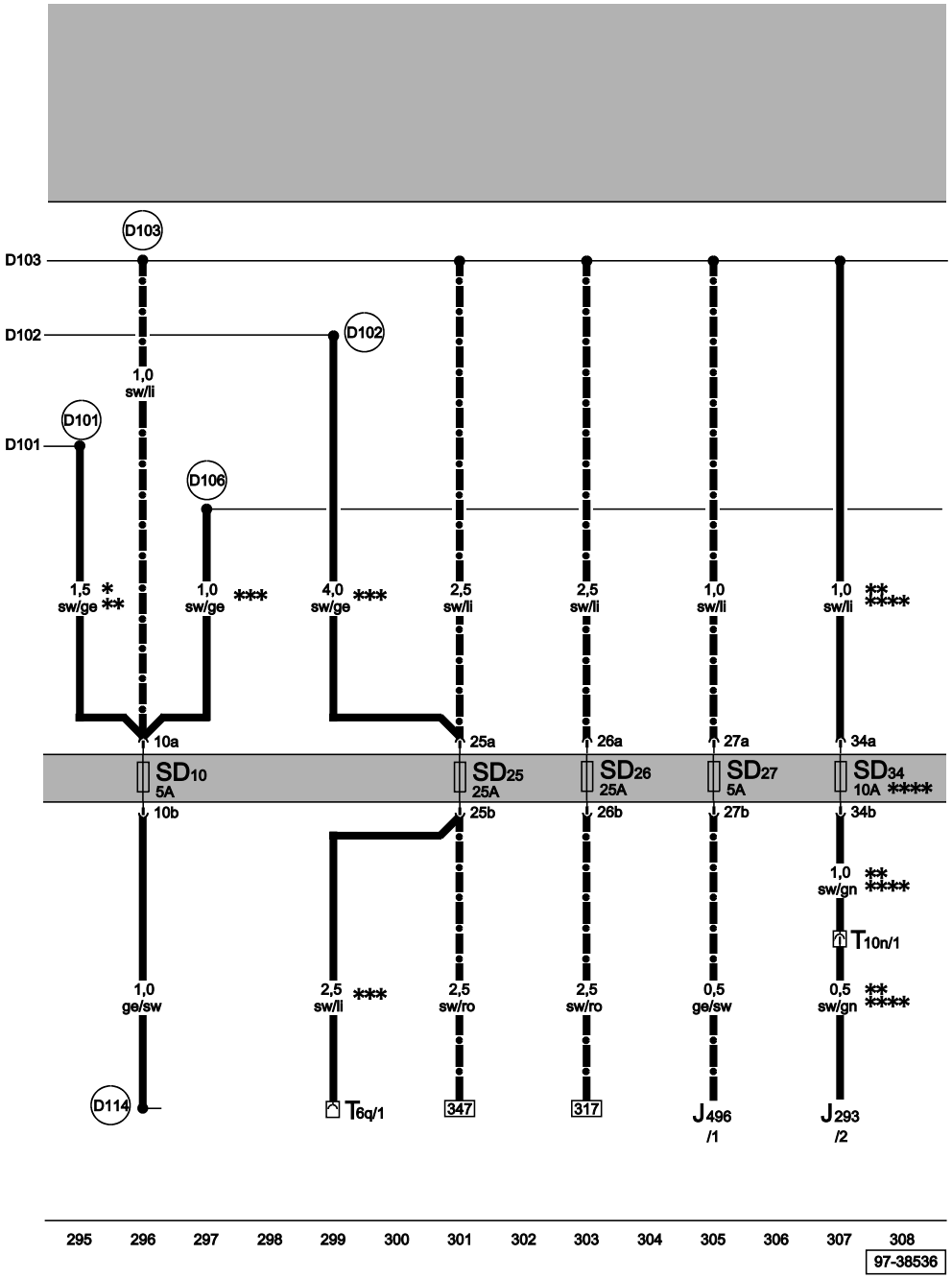
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ge	=	yellow
or	=	orange
rs	=	pink



Fuses SD

J293	Radiator fan control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J671	Radiator fan control unit 2
SD1	Fuse 1 on fuse holder D
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	depends on equipment

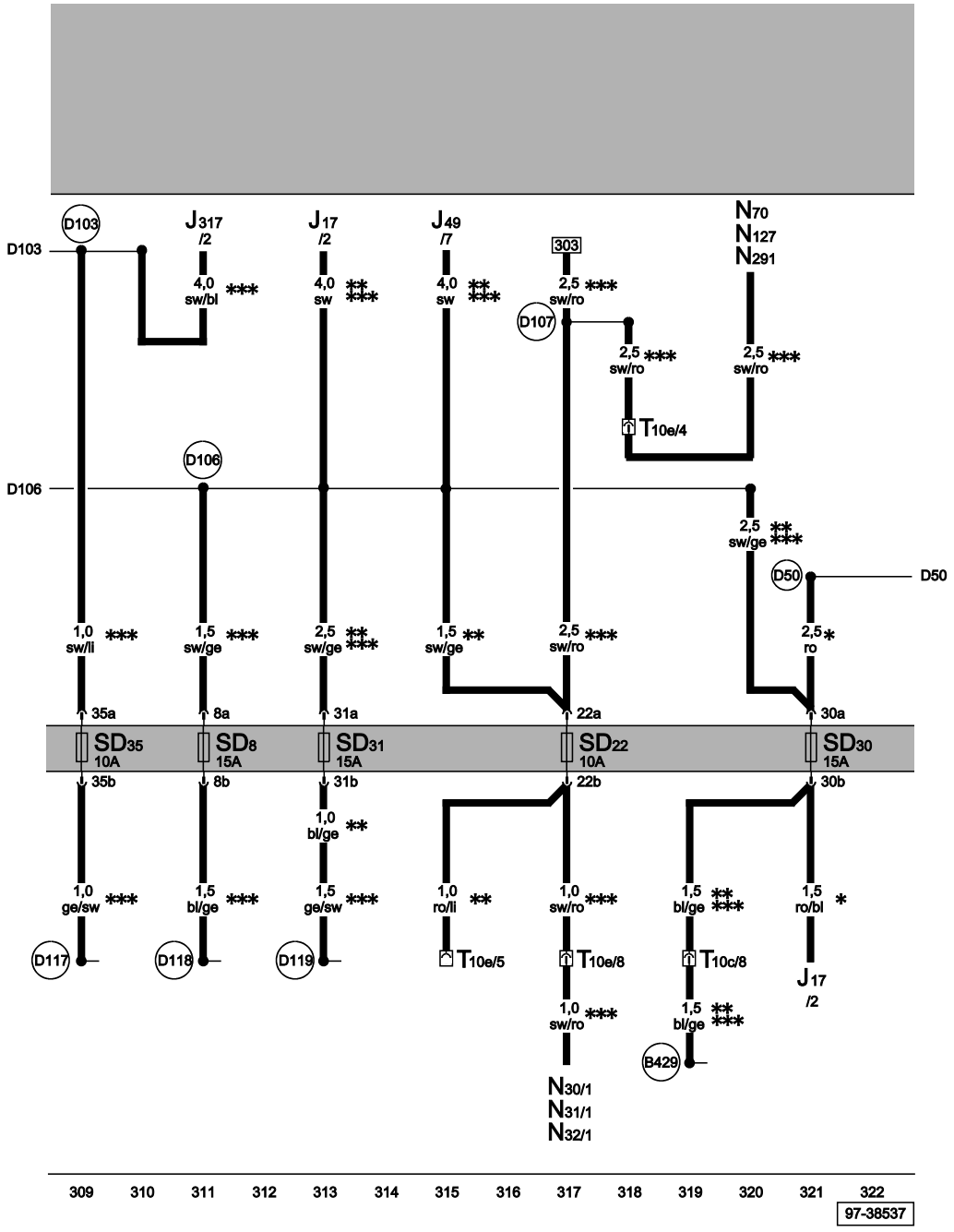
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or	=	orange
rs	=	pink



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sw = black
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Fuses SD

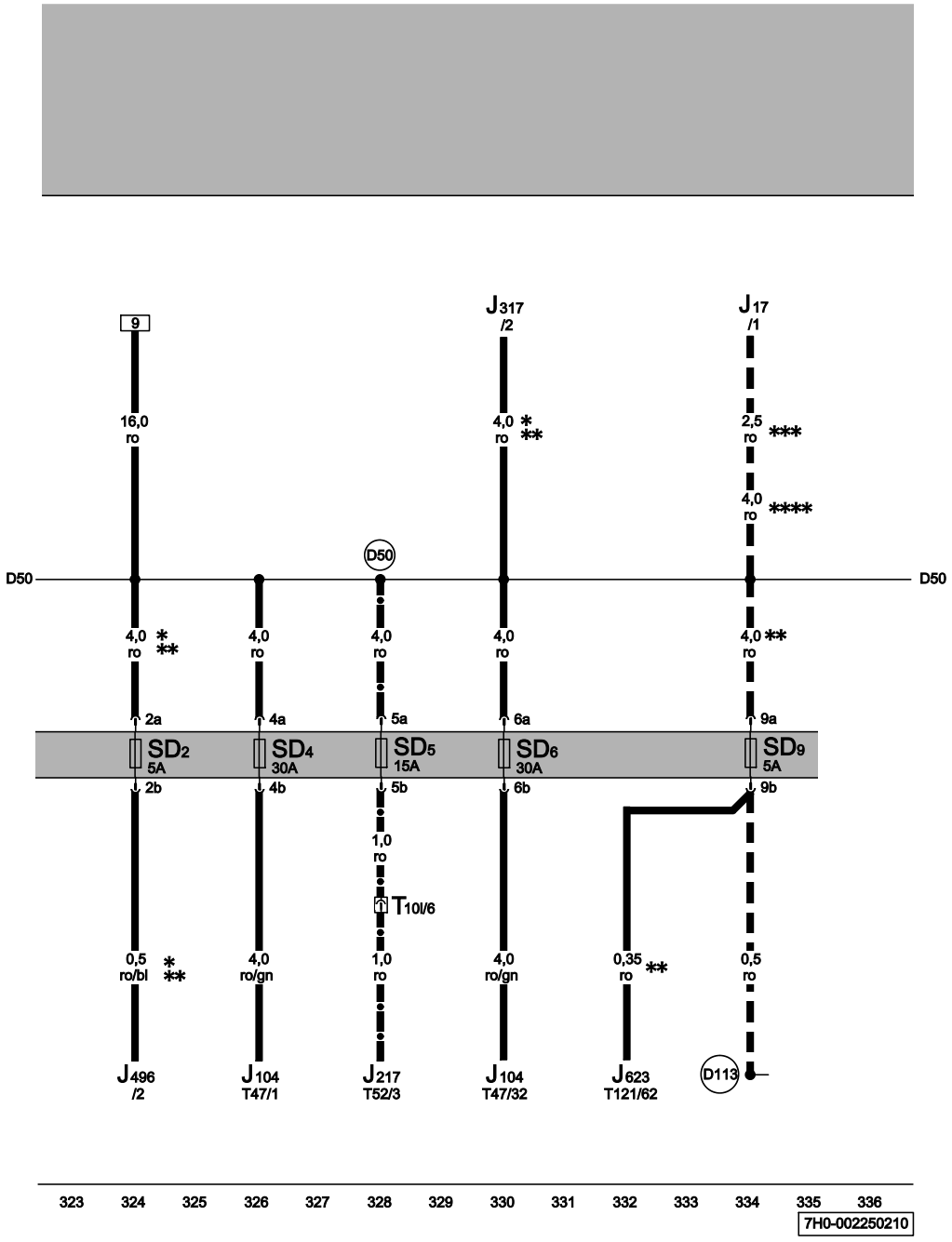
J293	Radiator fan control unit
J496	Additional coolant pump relay
SD10	Fuse 10 on fuse holder D
SD25	Fuse 25 on fuse holder D
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD34	Fuse 34 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXD and AXE only
***	for models with engine code AXA only
****	applicable up to May 2003
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ws = white
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rs = pink

Fuses SD

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J317	Terminal 30 voltage supply relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD8	Fuse 8 on fuse holder D
SD22	Fuse 22 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD31	Fuse 31 on fuse holder D
SD35	Fuse 35 on fuse holder D
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only



ws = white

Fuses SD

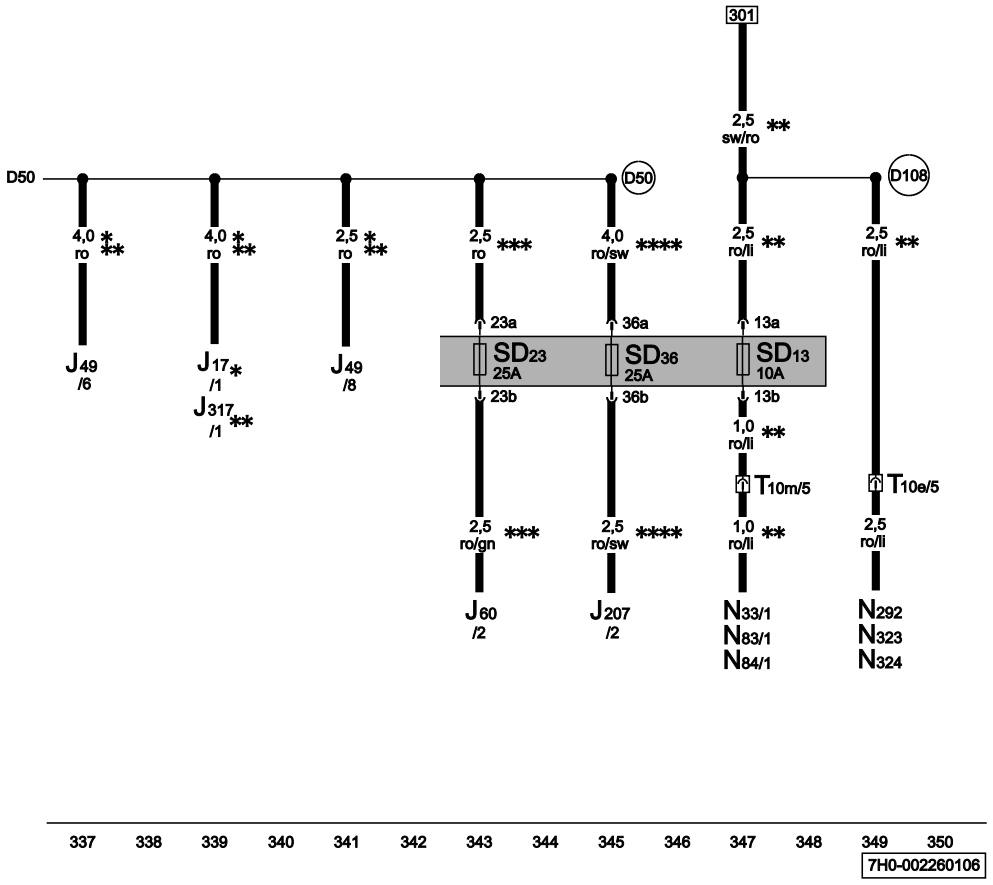
J17	Fuel pump relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
**	for models with engine code AXA only
***	applicable up to May 2003
****	applicable from June 2003

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depends on equipment

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for models with engine codes BDL, BDM and BKK only

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gn	=	green
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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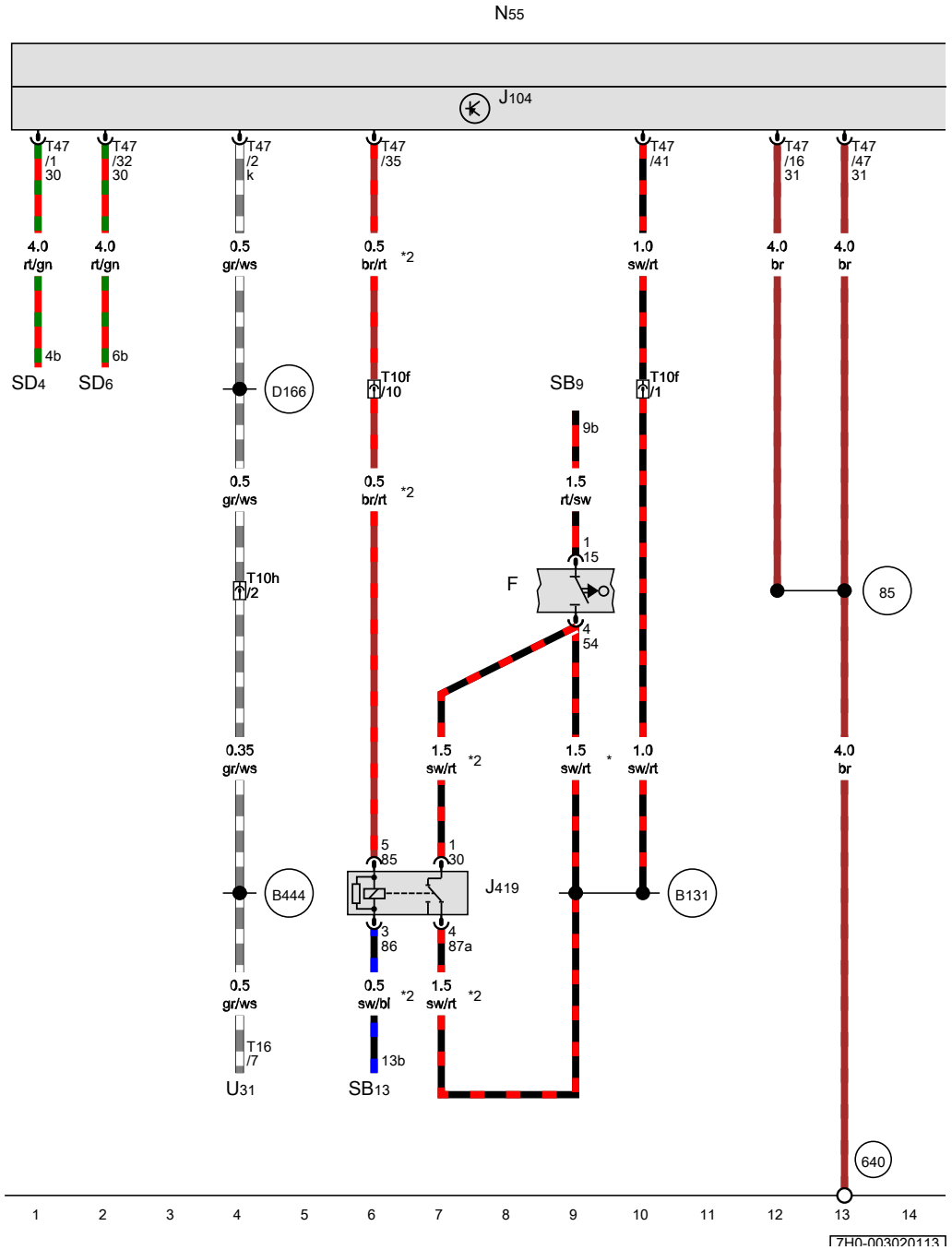
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J60	Automatic gearbox relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD23	Fuse 23 on fuse holder D
SD36	Fuse 36 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
***	depends on equipment
****	models with automatic gearbox / electric interface only

Anti-lock brake system (ABS)

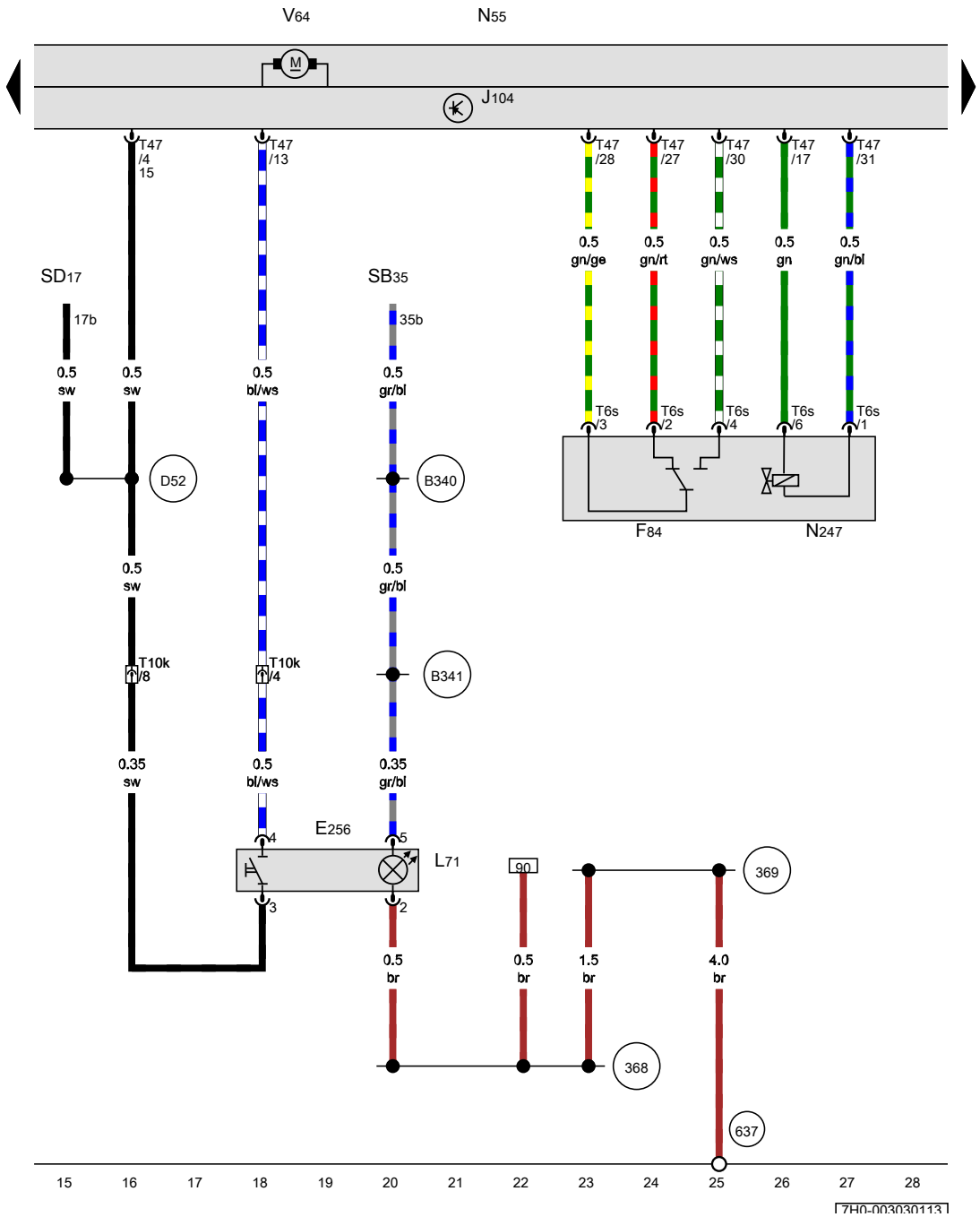
From March 2003



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Brake light switch, ABS control unit, Brake light additional relay, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

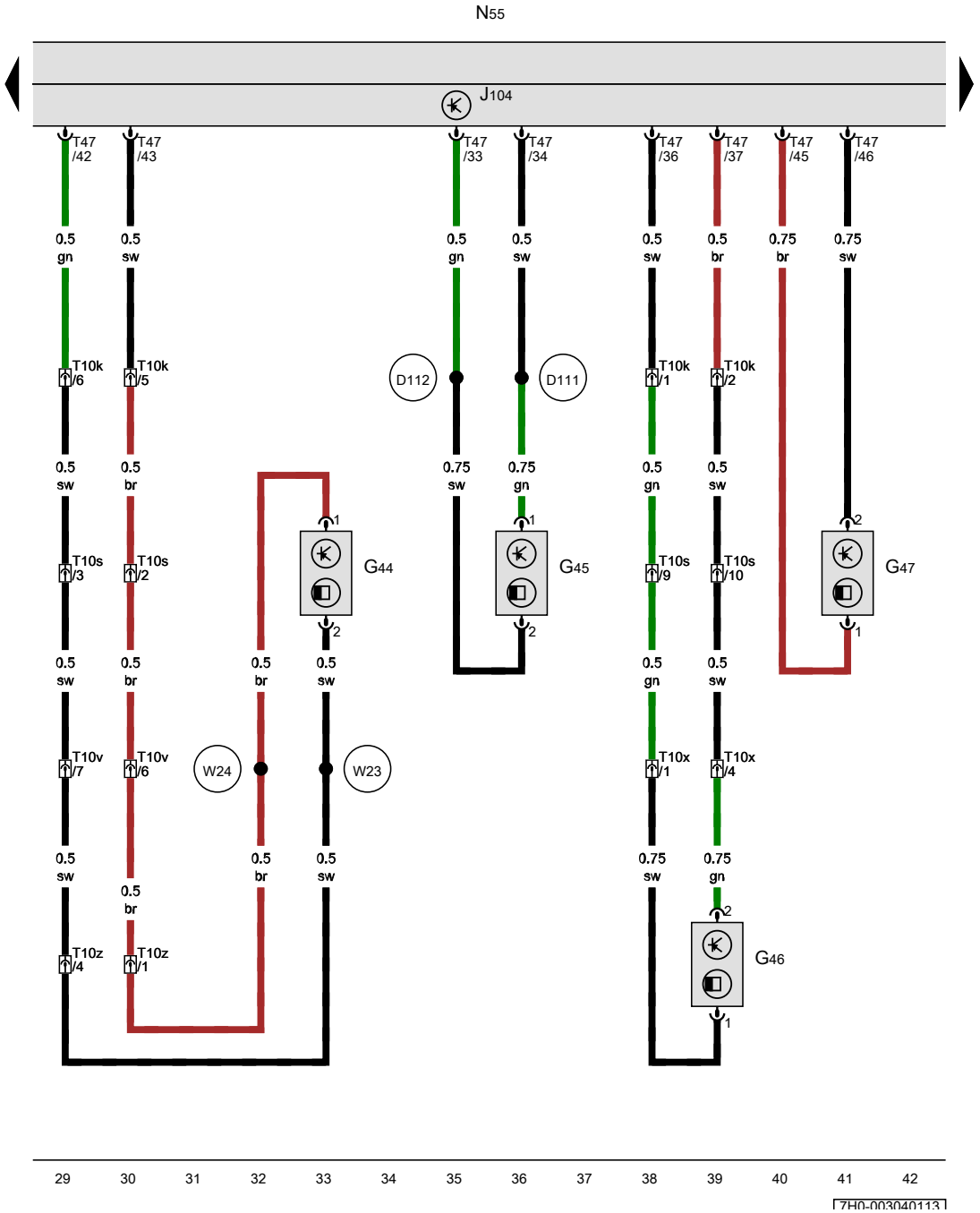
F	Brake light switch
J104	ABS control unit
J419	Brake light additional relay
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
SB13	Fuse 13 on fuse holder B
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Only models with traction control system (TCS)
*2	Only models with electronic stabilisation program (ESP)



TCS and ESP button, Brake pressure solenoid trip switch, ABS control unit, ABS hydraulic unit, Brake pressure solenoid valve, ABS hydraulic pump

E256	TCS and ESP button
F84	Brake pressure solenoid trip switch
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
N247	Brake pressure solenoid valve
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T6s	6-pin connector
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness

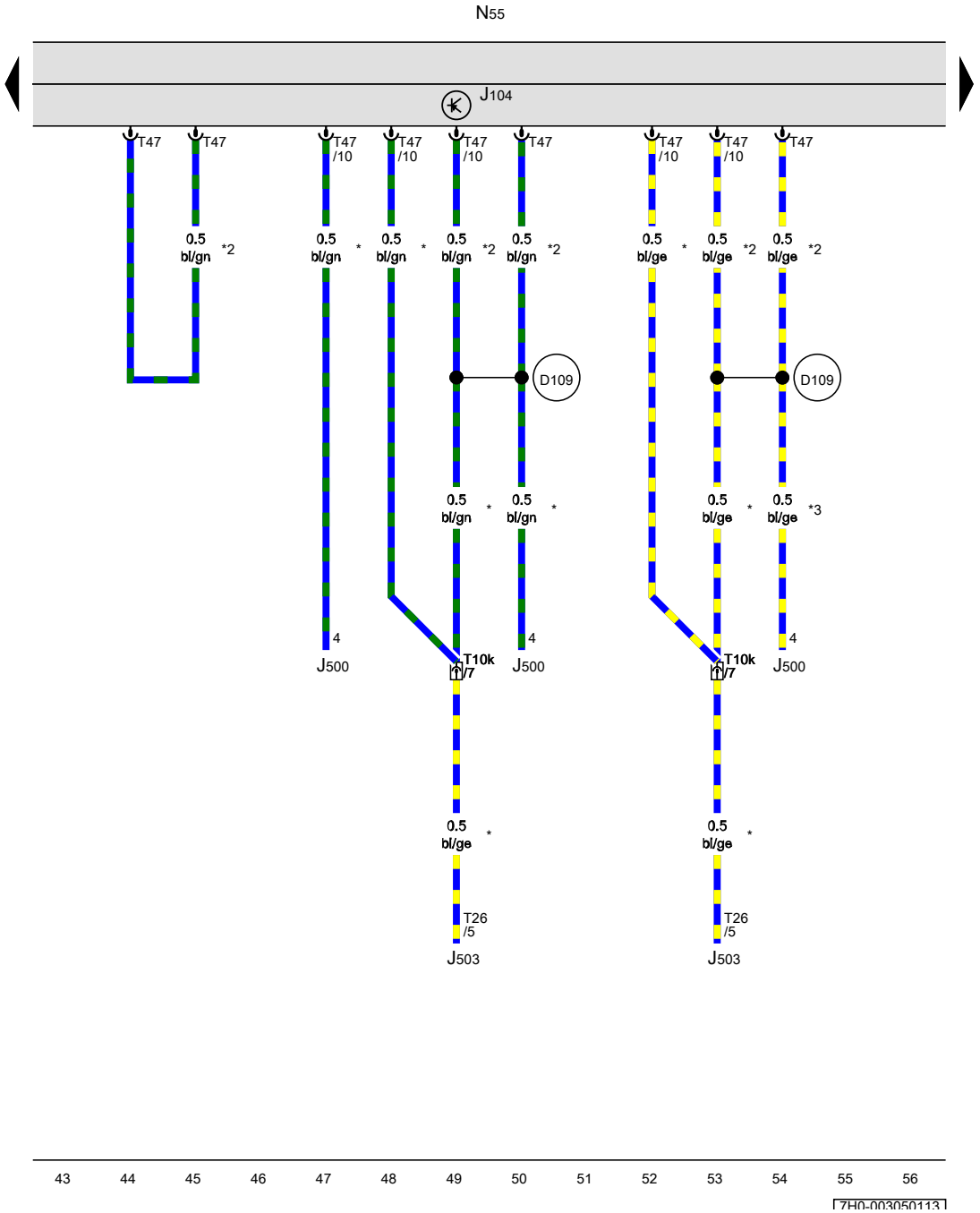
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

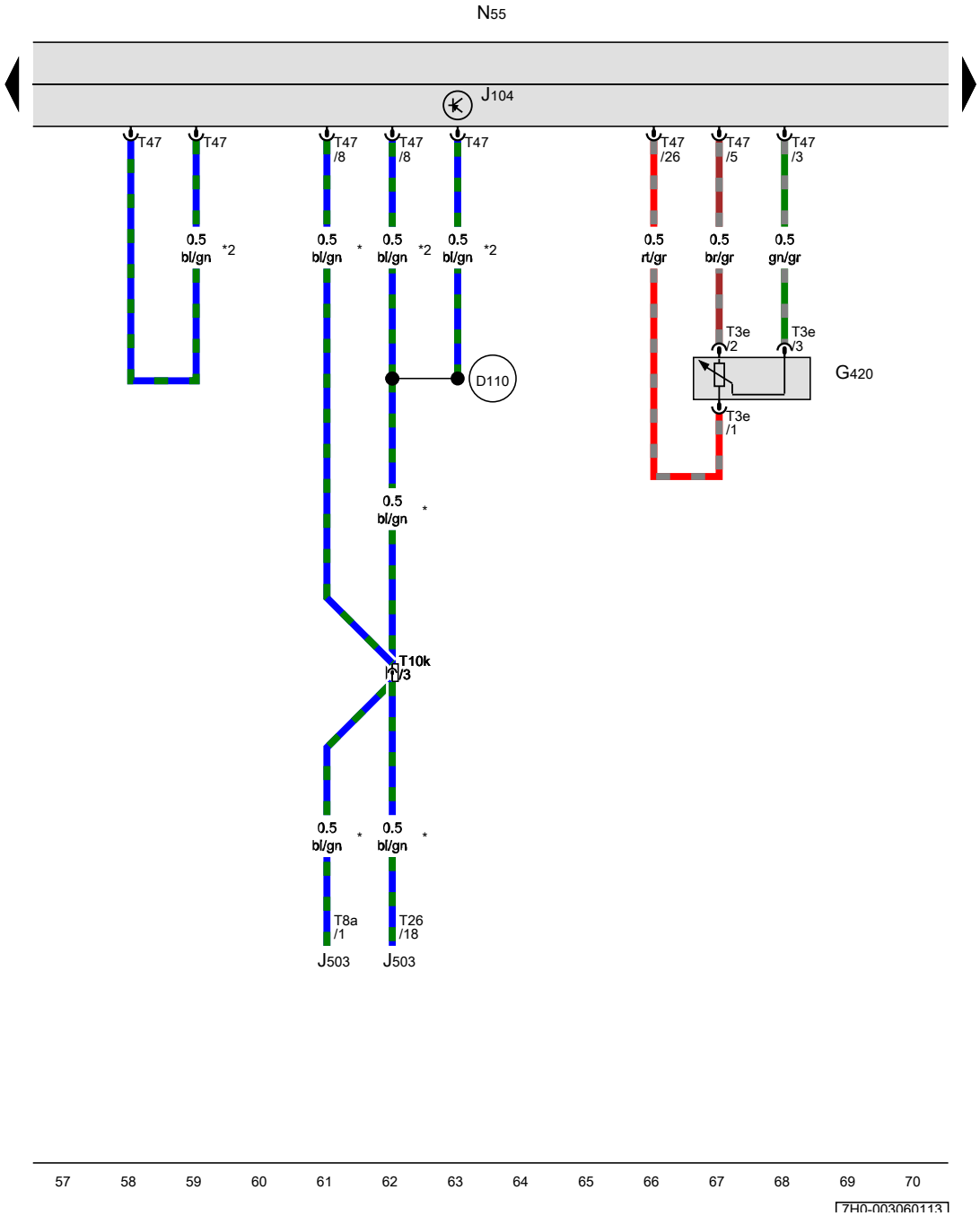
G44	Rear right speed sensor
G45	Front right speed sensor
G46	Rear left speed sensor
G47	Front left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10x	10-pin connector, purple, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
T47	47-pin connector, black
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness



ABS control unit, ABS hydraulic unit

J104	ABS control unit
J500	Power steering control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
*	According to equipment
*2	see fitting locations, ABS code table
*3	Only models with glow pin glow plugs

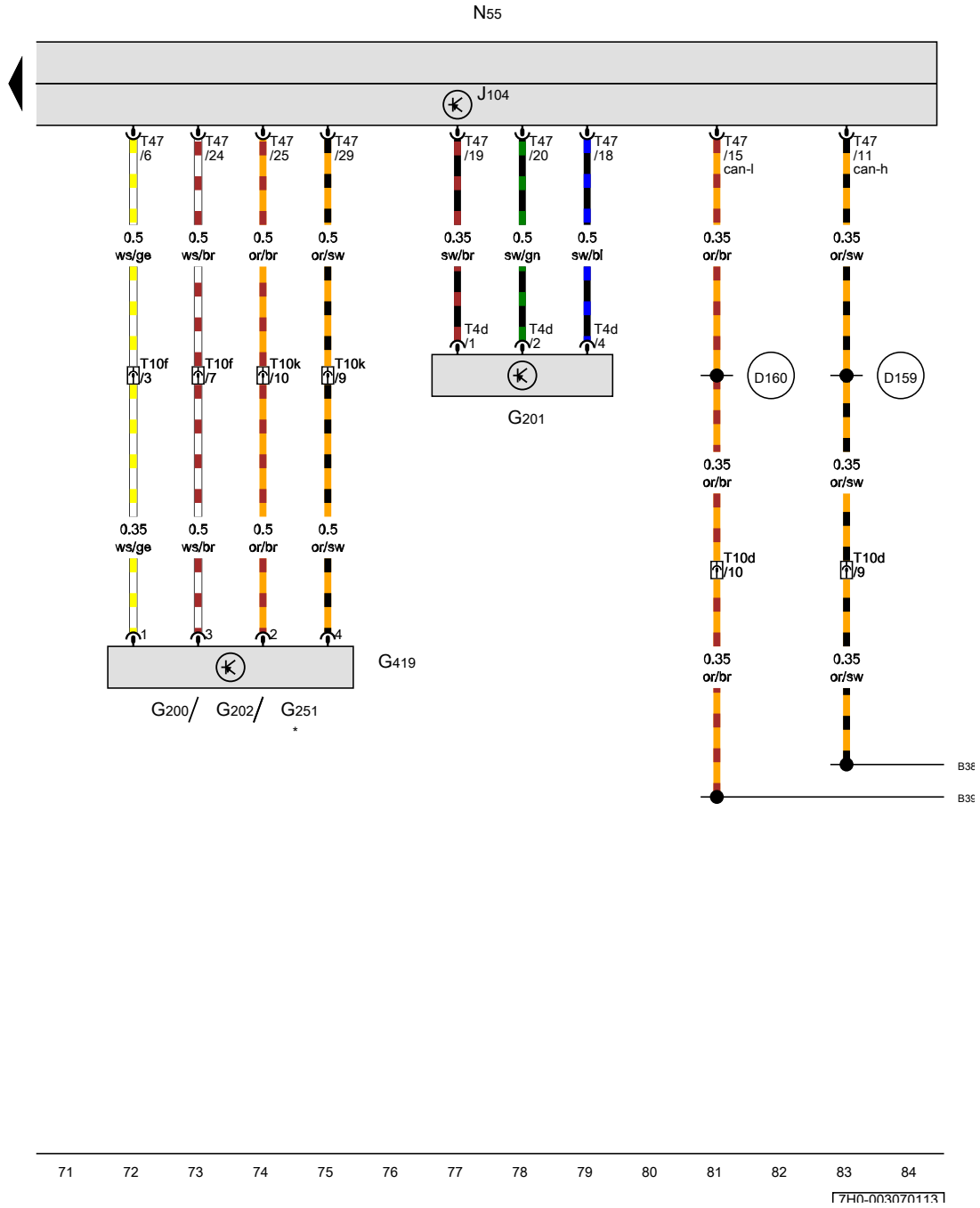
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Potentiometer for brake servo diaphragm travel, ABS control unit, ABS hydraulic unit

G420	Potentiometer for brake servo diaphragm travel
J104	ABS control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T3e	3-pin connector
T8a	8-pin connector, black
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D110	Connection 8 in engine compartment wiring harness
*	According to equipment
*2	see fitting locations, ABS code table

ws	=	white
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ro	=	red
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rs	=	pink



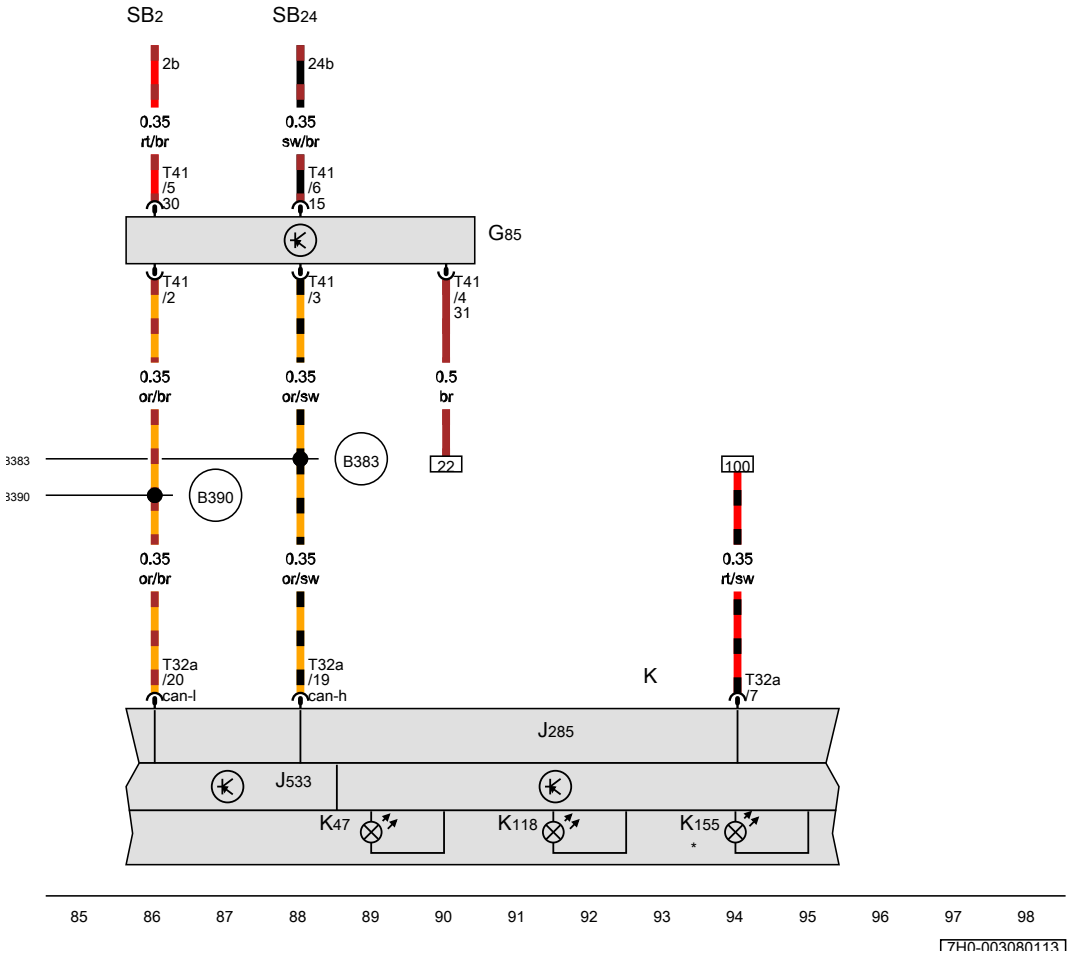
Brake pressure sender 1, ESP sensor unit, ABS control unit, ABS hydraulic unit

G200	Lateral acceleration sender
G201	Brake pressure sender 1
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J104	ABS control unit
N55	ABS hydraulic unit
T4d	4-pin connector
T10d	10-pin connector, blue, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with all-wheel drive

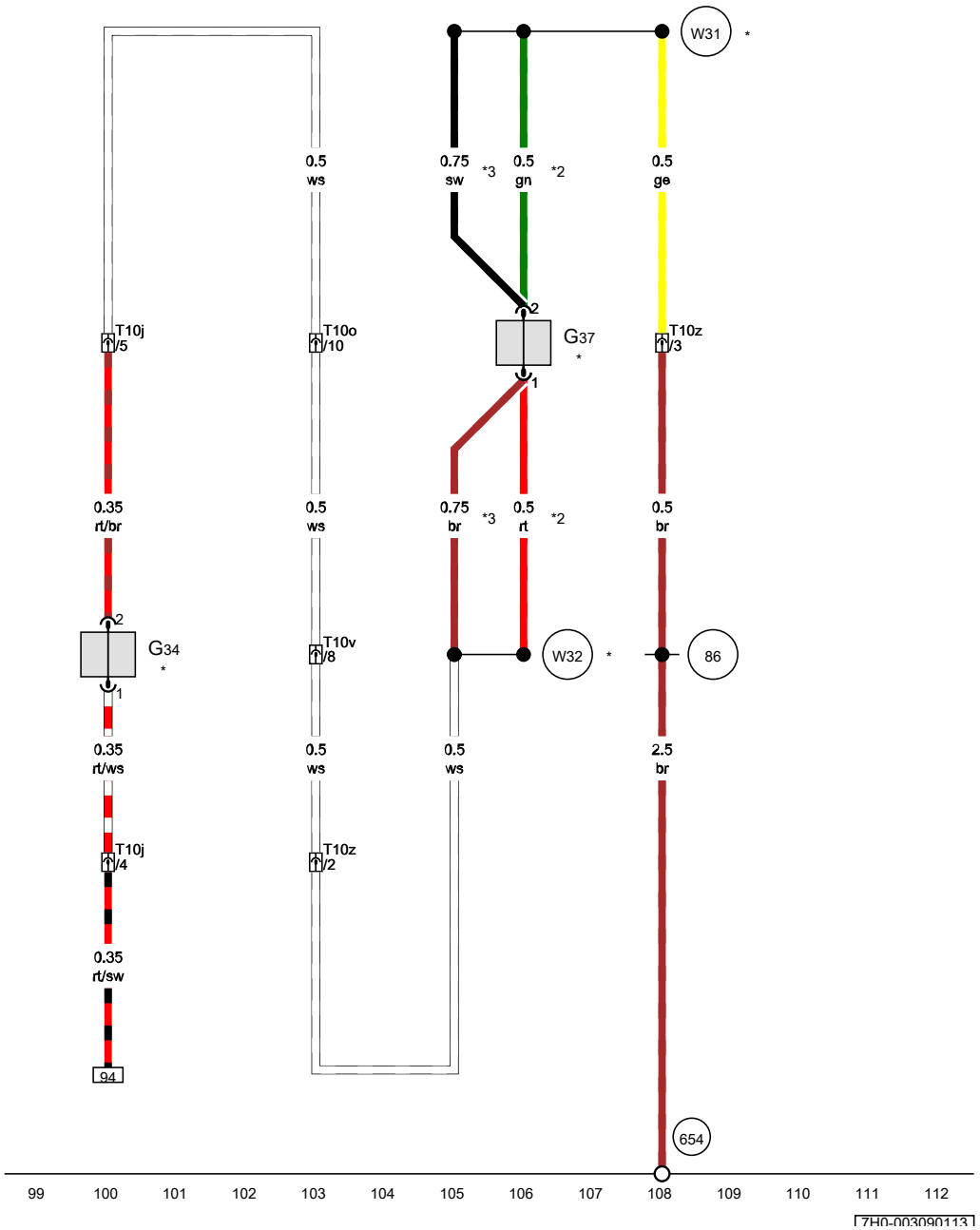
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ge	=	yellow
or	=	orange
rs	=	pink

Steering angle sender, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T32a	32-pin connector, green
T41	41-pin connector, grey
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with warning function for brake pad wear



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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Only models with ABS
*3	Only models with no ABS

1.9 l/63 kW - Turbodiesel engine (unit injectors), engine code AXC

from March 2003

1.9 l/77 kW - Turbodiesel engine (unit injectors), engine code AXB

from March 2003

Notes:

For information concerning

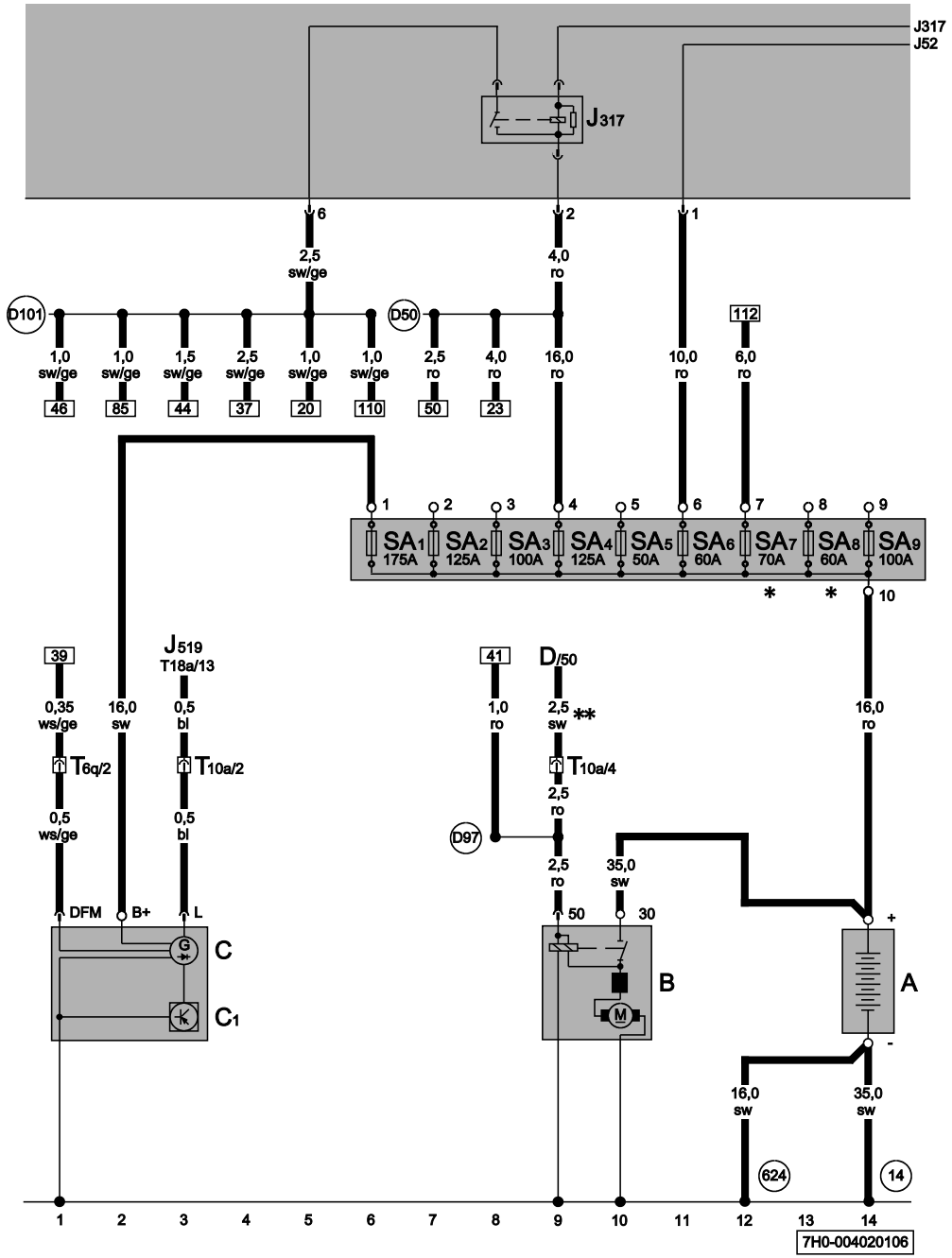
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

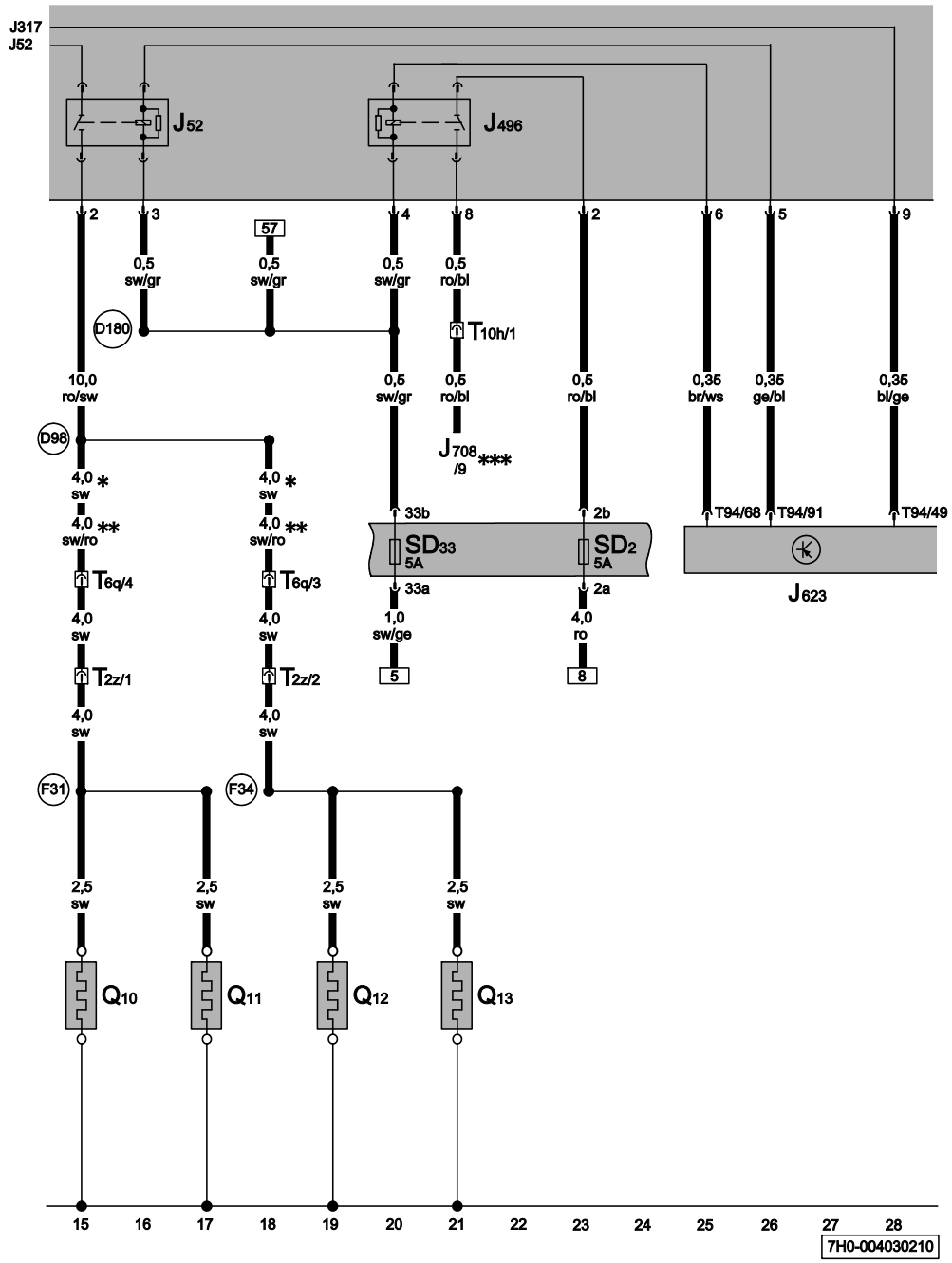
⇒ guided fault finding



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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Alternator, starter, fuses, terminal 30 voltage supply relay

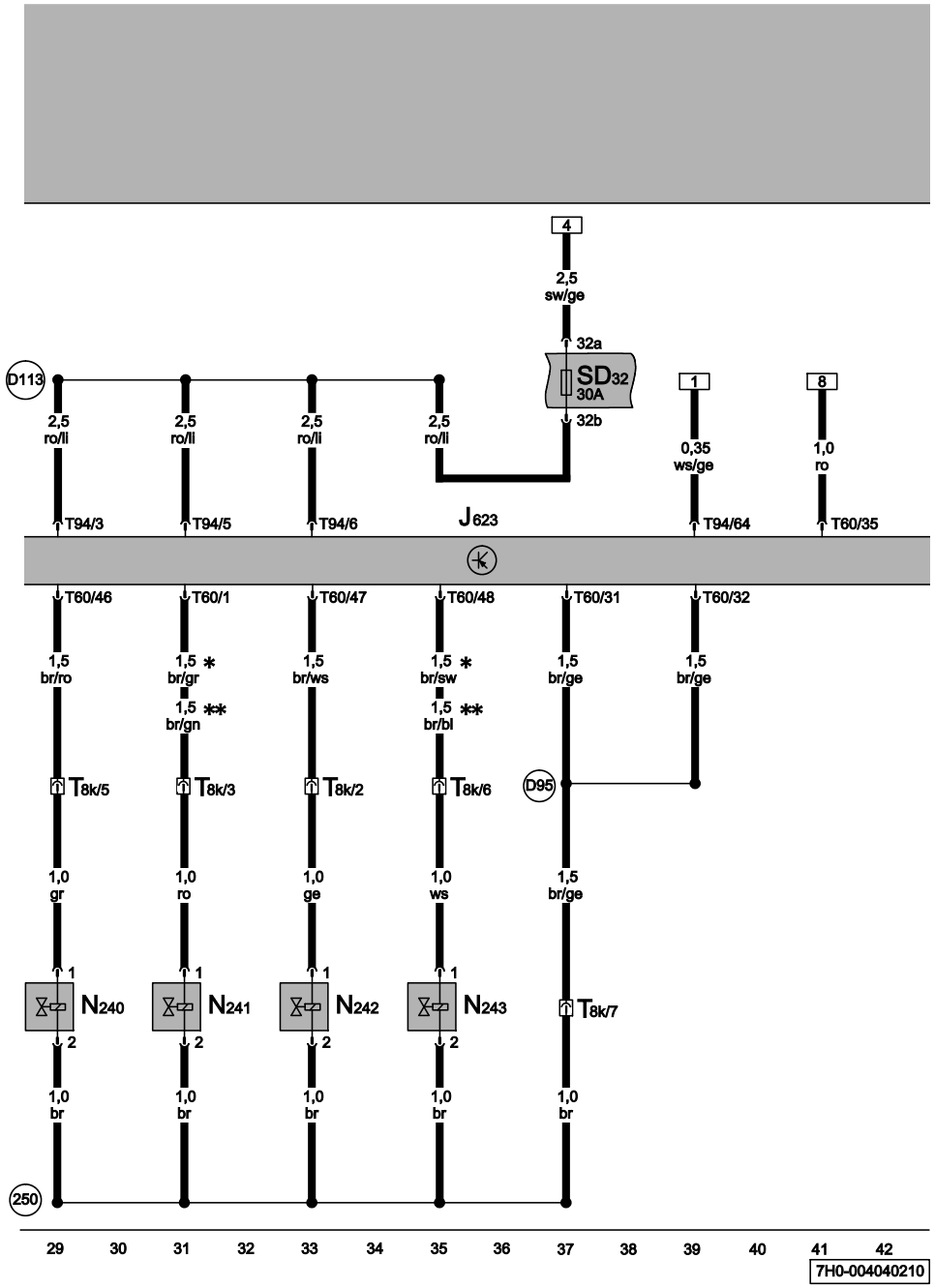
A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	for models with manual gearbox and without electric interface only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, glow plug relay, additional coolant pump relay, residual heat relay, glow plugs

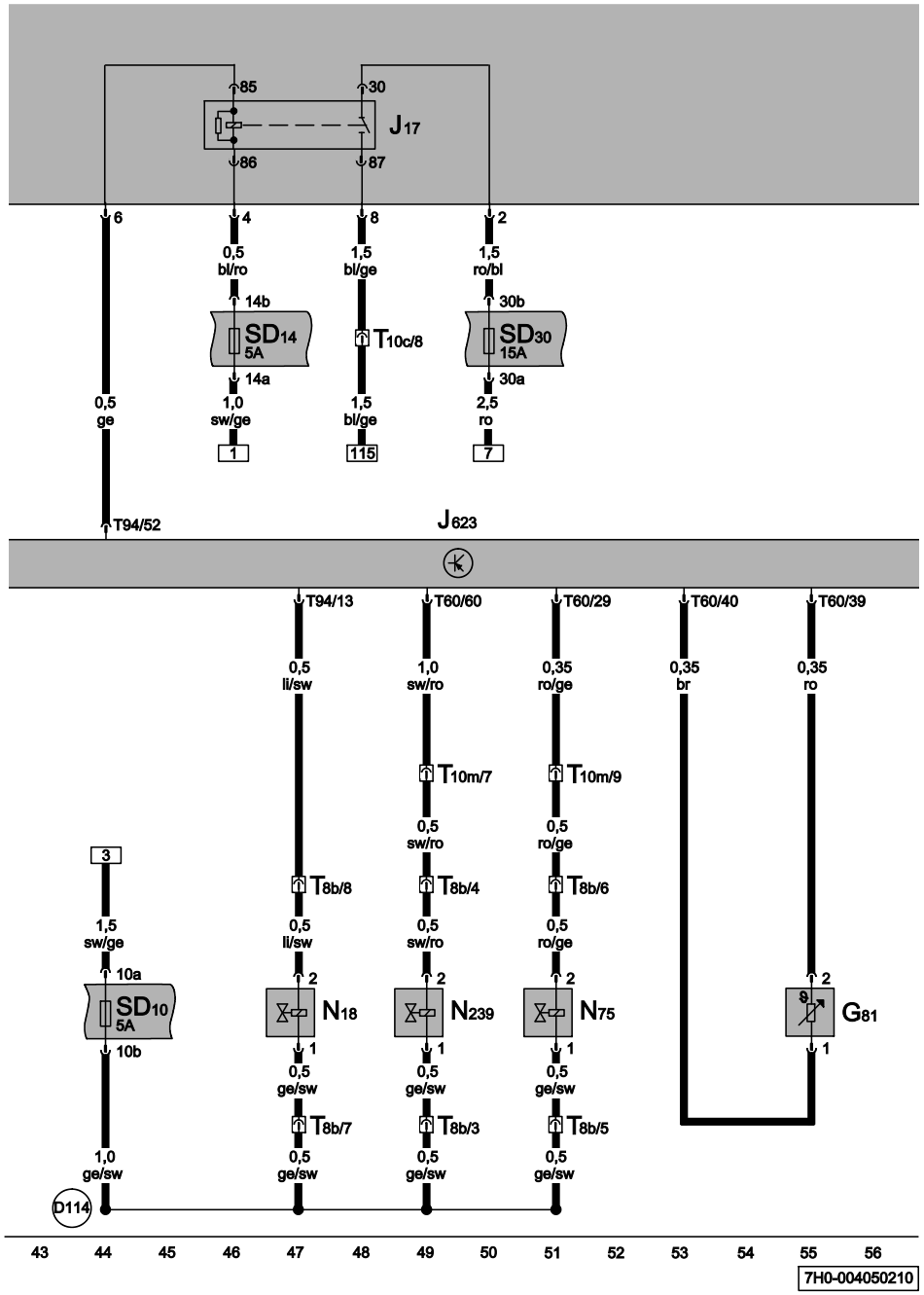
J52	Glow plug relay
J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T2z	2-pin connector, on engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T94	94-pin connector
D98	Connection (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
F31	Connection (engine glow plugs) in diesel direct injection system wiring harness
F34	Connection 2 (engine glow plugs), in diesel direct injection system wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	⇒ auxiliary coolant heater Current Flow Diagram



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder D
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable up to May 2003
**	applicable from June 2003

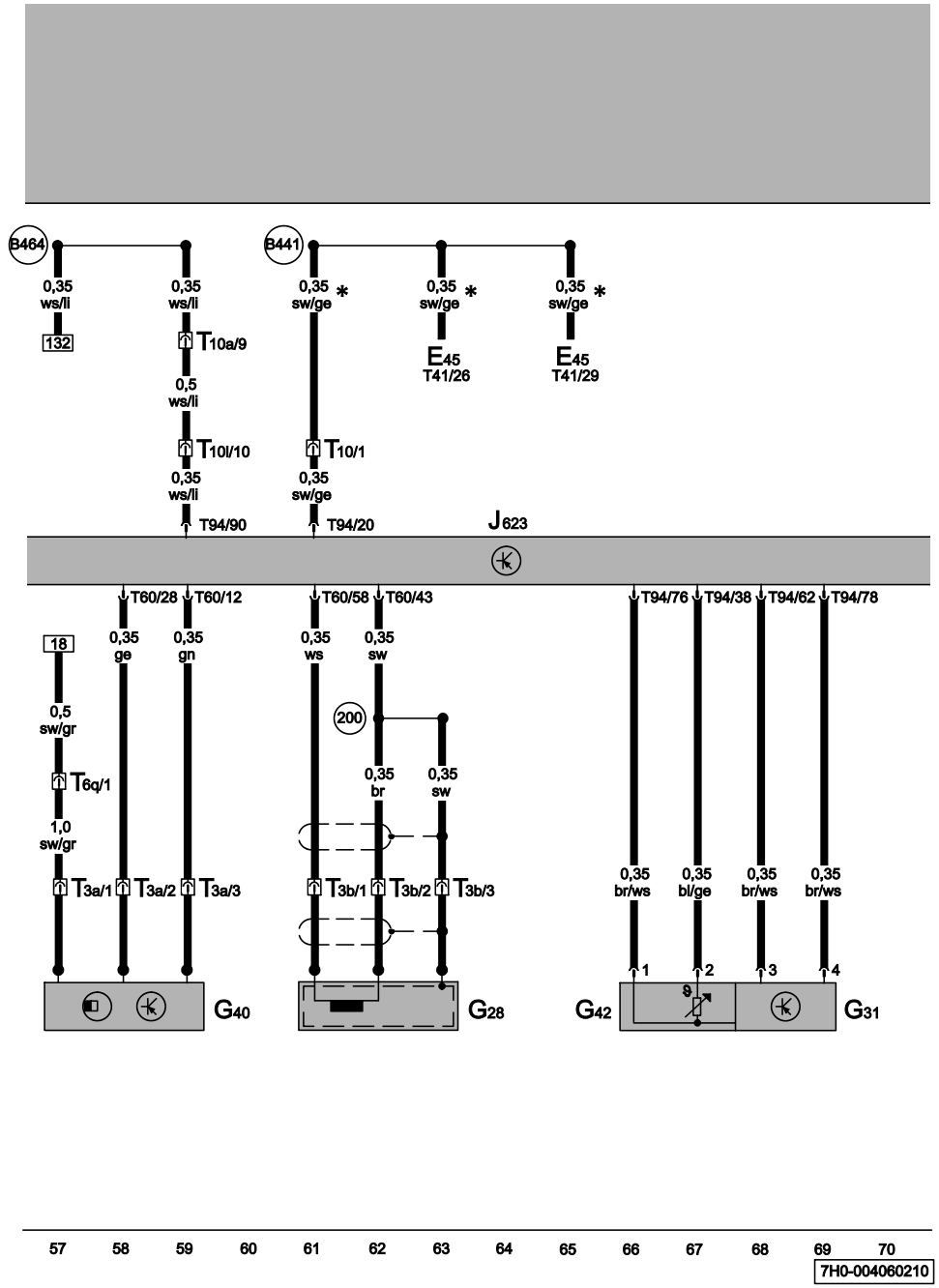
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel pump relay, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, charge pressure control solenoid valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness

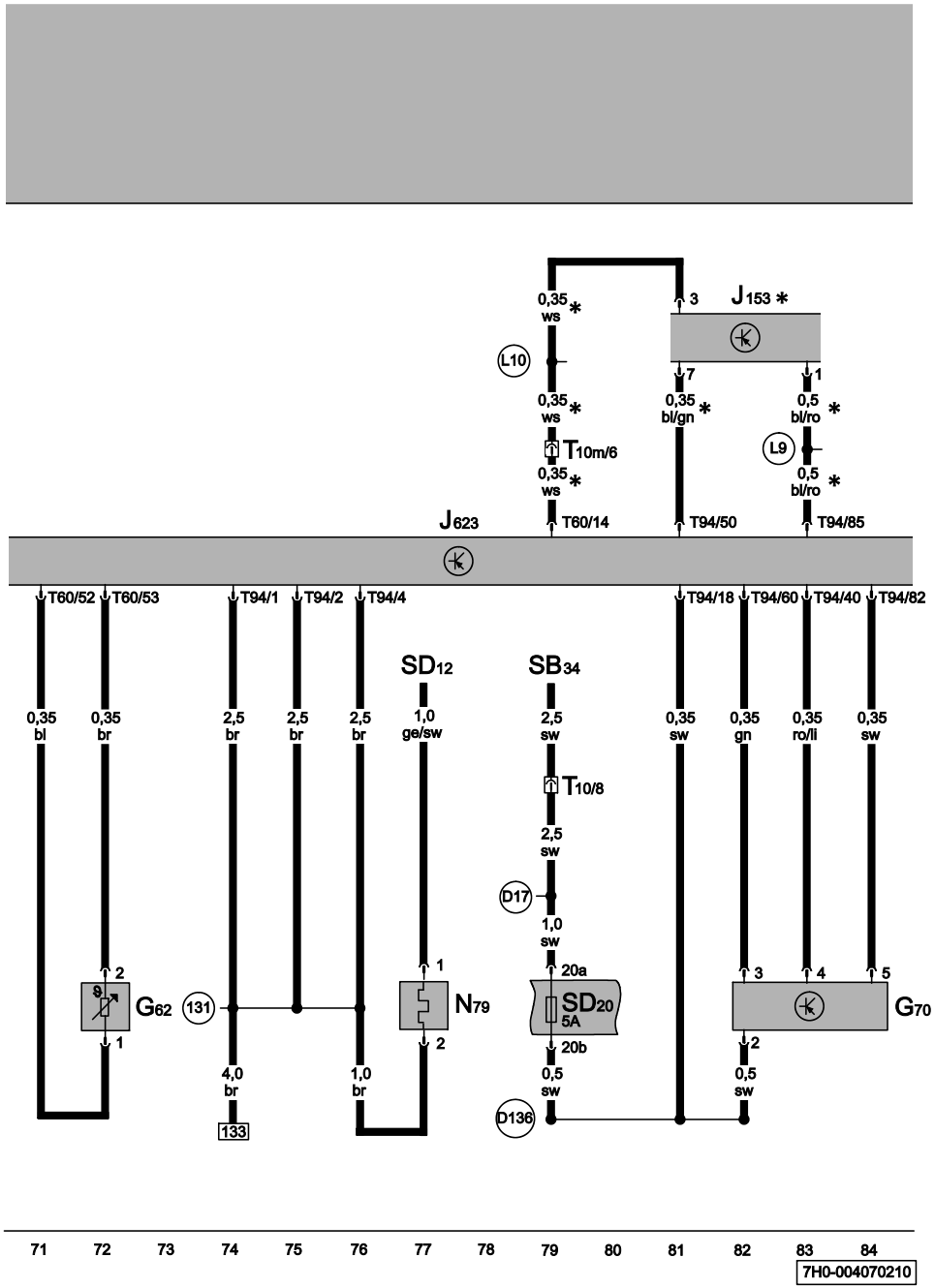
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
200	Earth connection (screening) in engine compartment wiring harness
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only

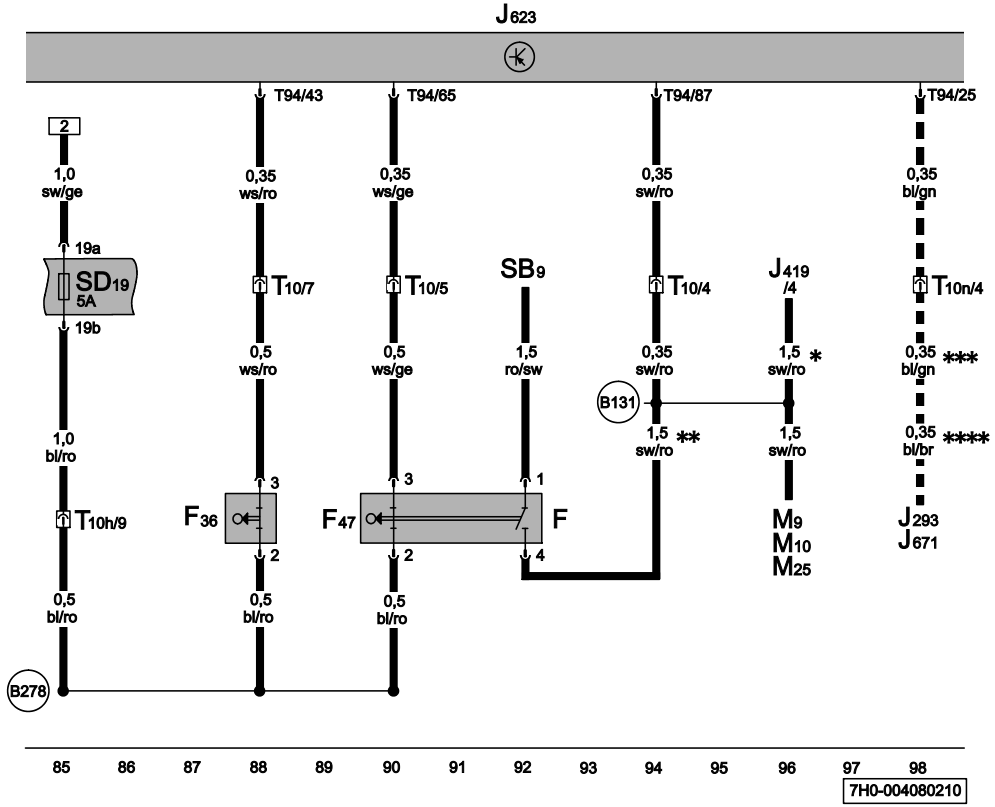
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather

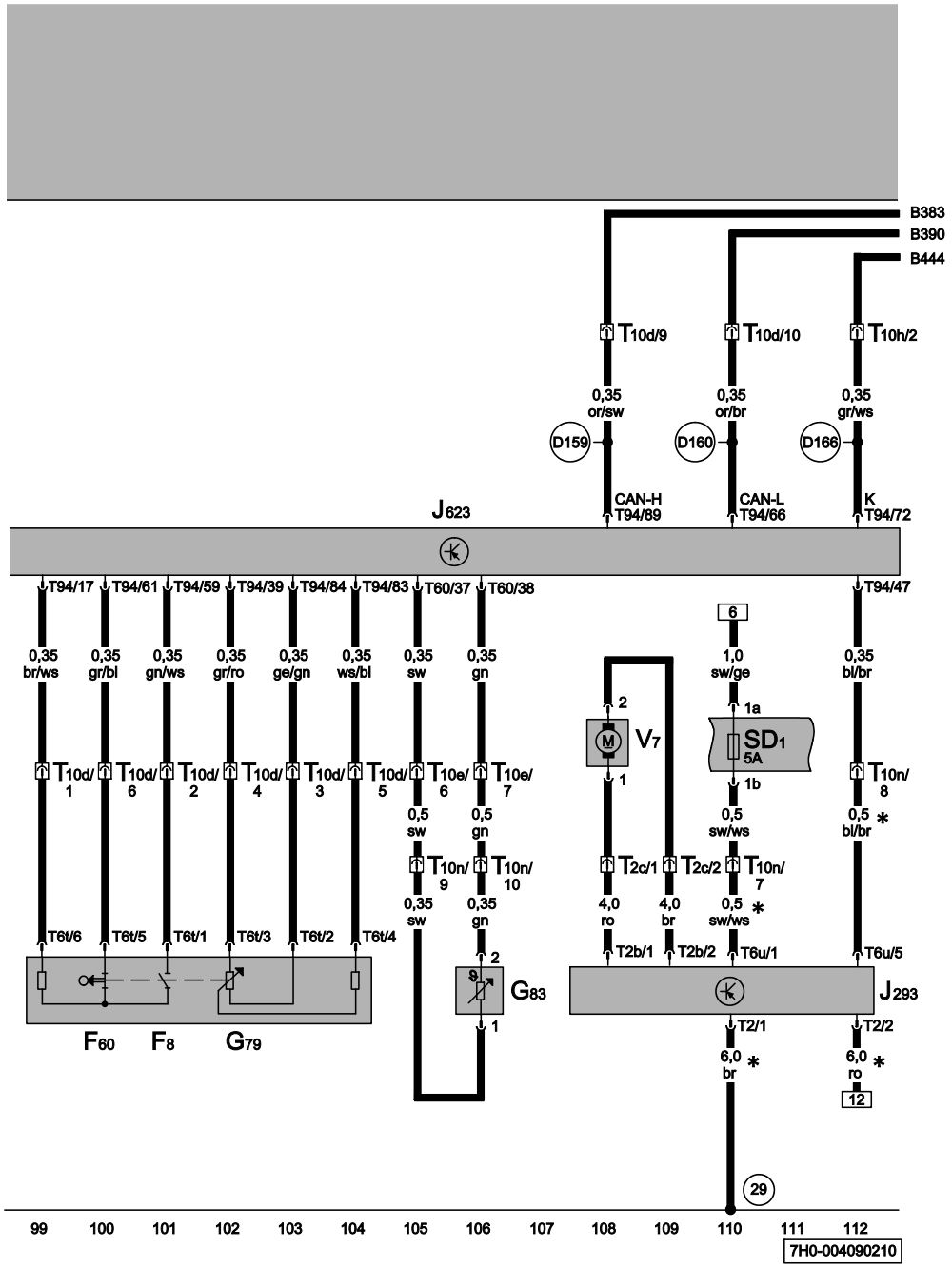
G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

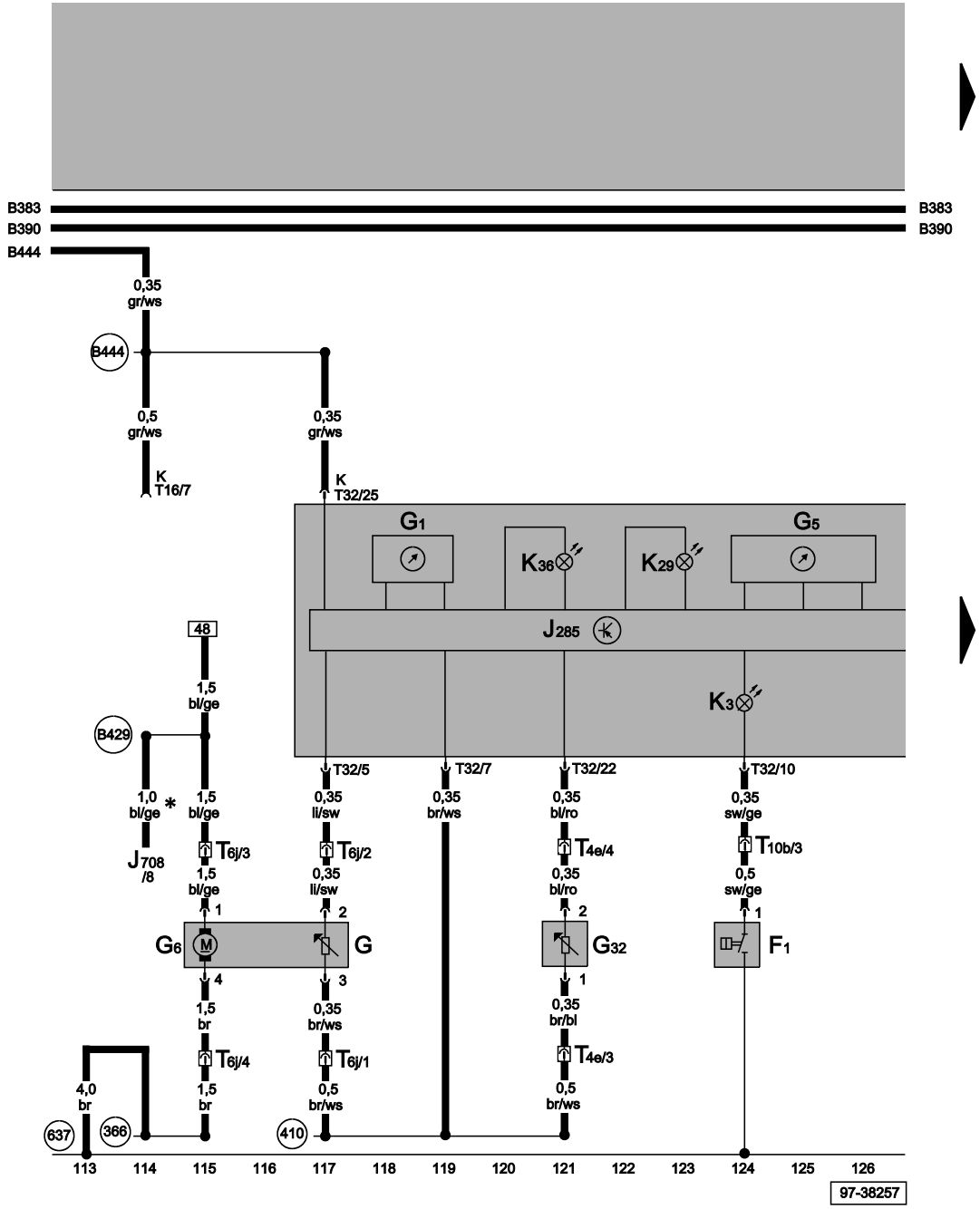
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only
**	for models with ABS, TCS and EDL only
***	applicable up to May 2003
****	applicable from June 2003
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with air conditioning system only ⇒ Current Flow Diagram for radiator fan



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sw = black
ro = red
br = brown
gn = green
bl = blue
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Accelerator position sender, radiator outlet coolant temperature sender, radiator fan control unit, radiator fan

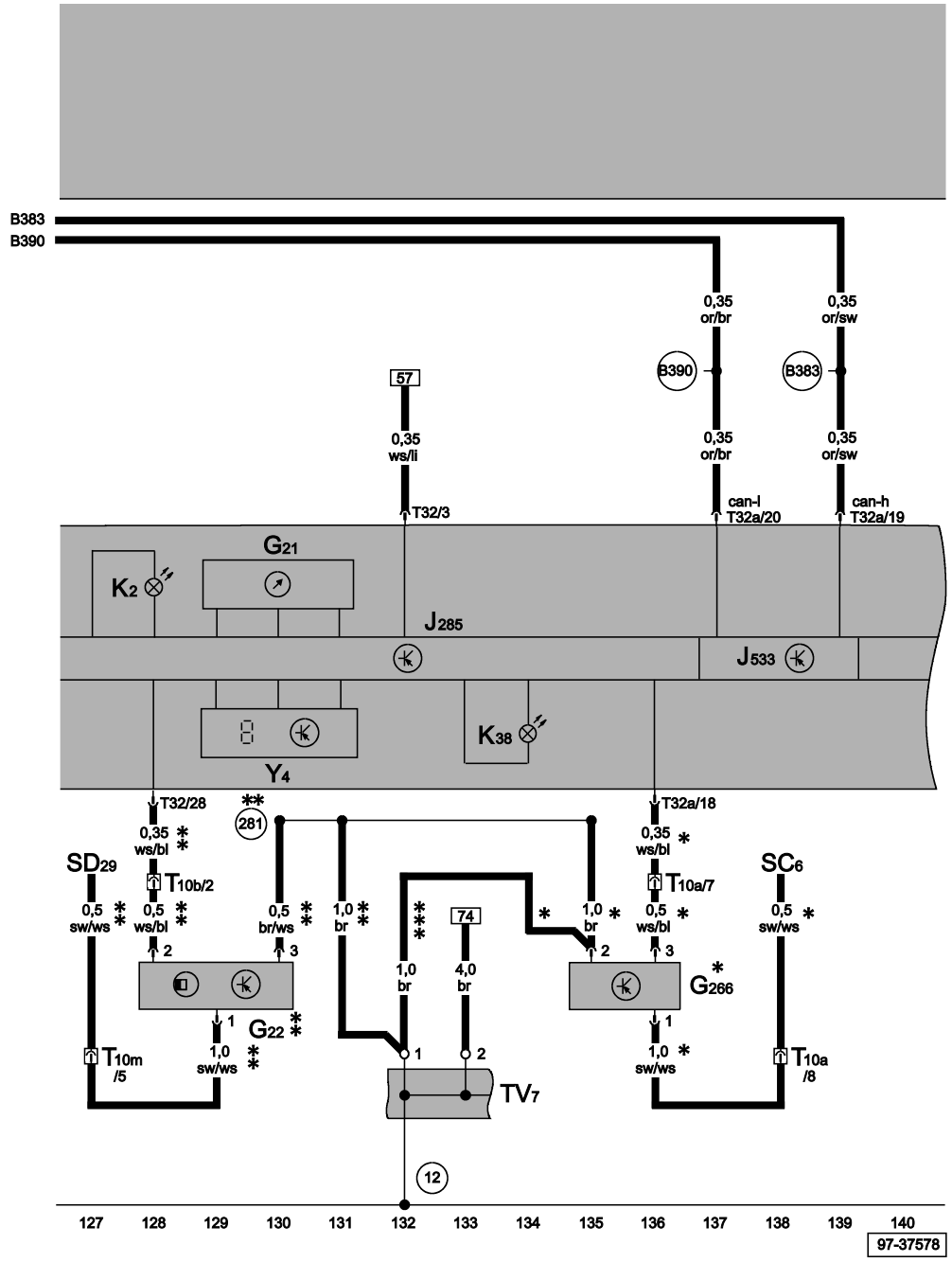
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
J17	Fuel pump relay
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T6t	6-pin connector
T6u	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



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Dash panel insert, oil pressure switch, fuel pump, fuel gauge sender, coolant shortage indicator sender, warning lamps

F1	Oil pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G5	Rev. counter
G6	Fuel system pressurisation pump
G32	Coolant shortage indicator sender
J285	Control unit in dash panel insert
J708	Residual heat relay
K3	Oil pressure warning lamp
K29	Glow period warning lamp
K36	Coolant shortage warning lamp
T4e	4-pin connector, black, near headlight, front right
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models without Climatronic only



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Dash panel insert, speedometer sender, speedometer, data bus diagnostic interface, oil level and oil temperature sender, warning lamps

G21	Speedometer
G22	Speedometer sender
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K2	Alternator warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
SD29	Fuse 29 on fuse holder D
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models with extended servicing intervals only
**	applicable up to May 2003
***	applicable from June 2003

2.5 l/96 kW - Turbodiesel engine (unit injectors), engine code AXD

from March 2003

2.5 l/128 kW - Turbodiesel engine (unit injectors), engine code AXE

from March 2003

Notes:

For information concerning

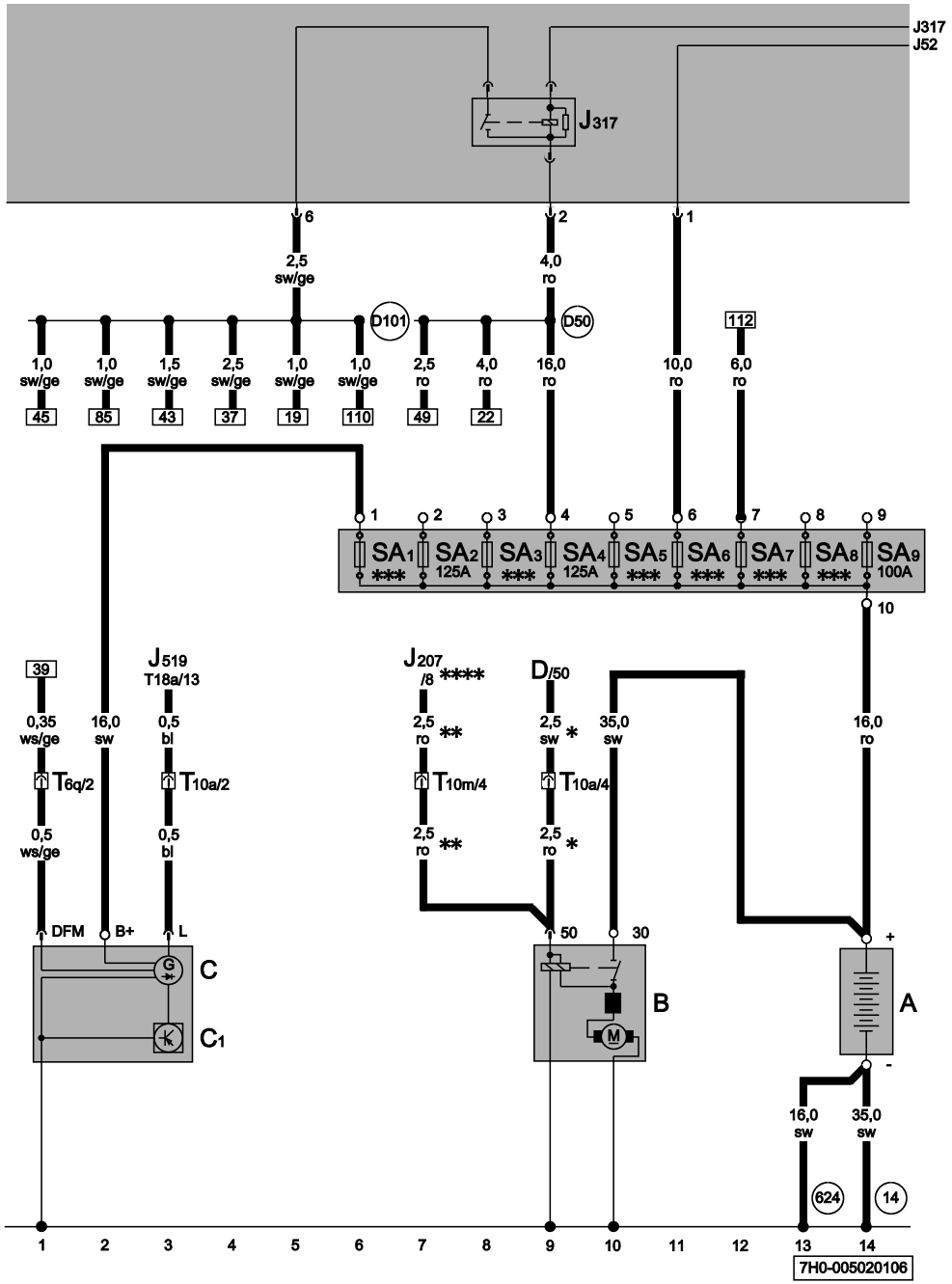
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

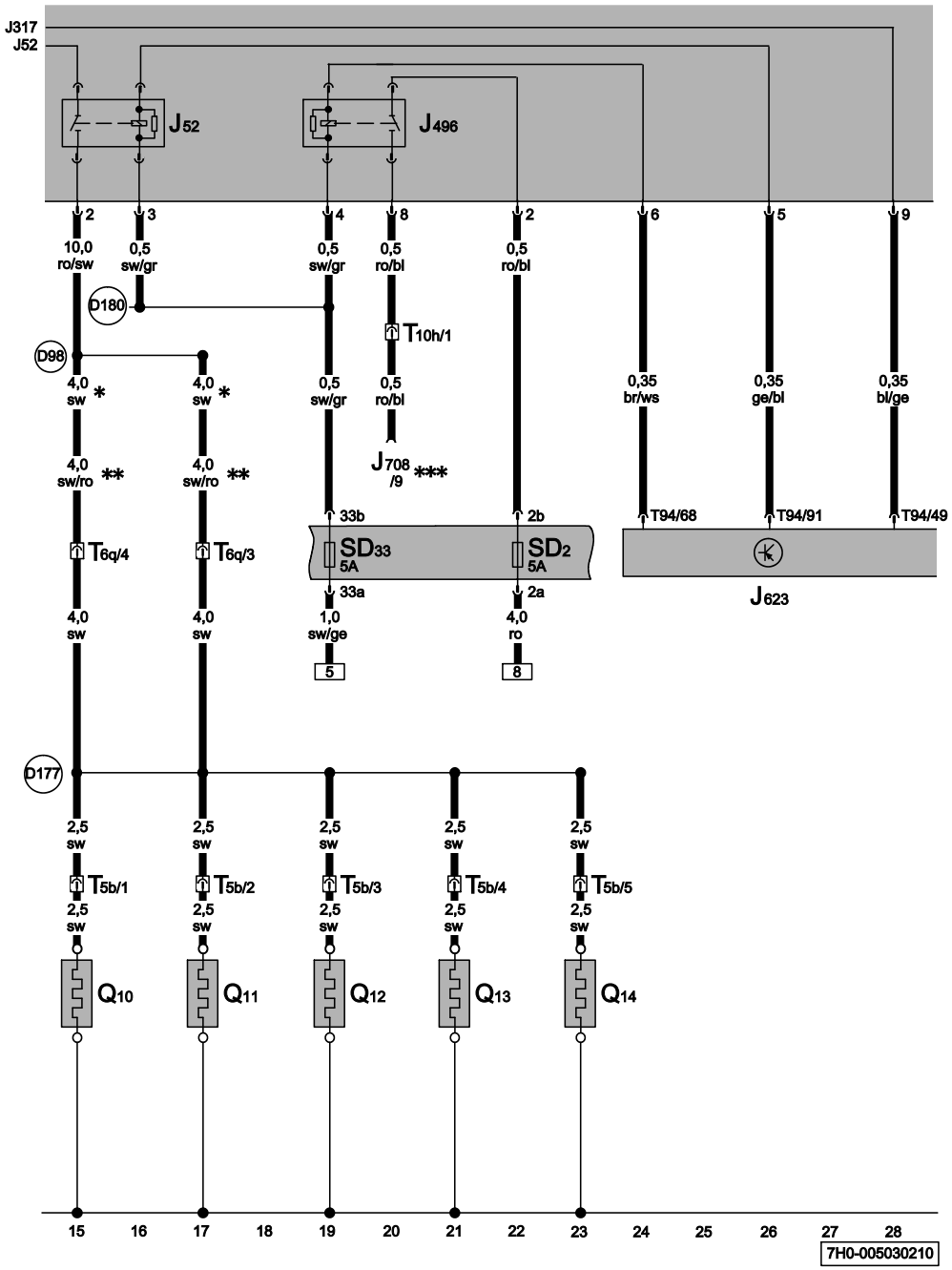
⇒ guided fault finding



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Battery, alternator, starter, fuses, terminal 30 voltage supply relay

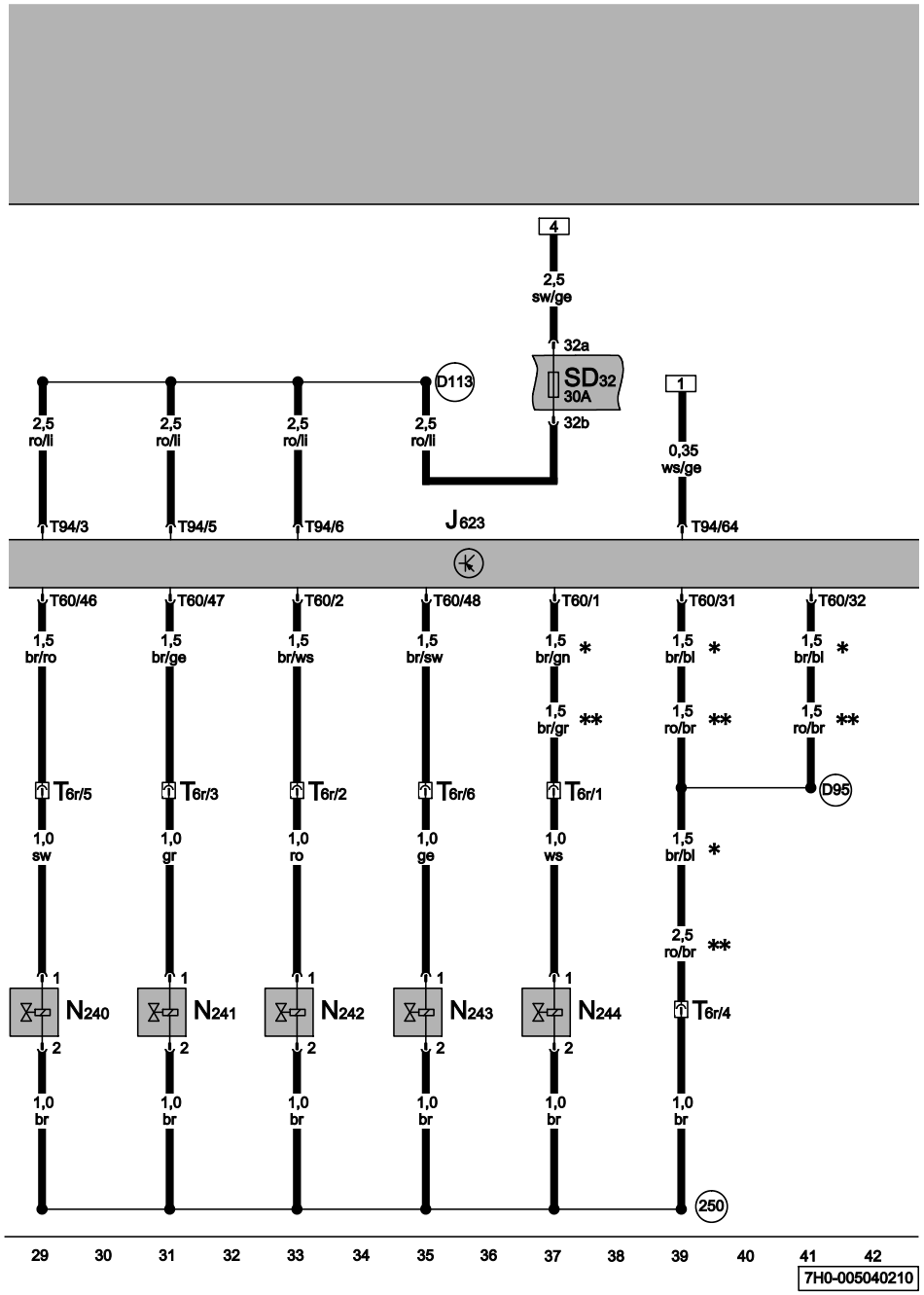
A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D101	Connection 1, in engine compartment wiring harness
*	for models with manual gearbox and without electric interface only
**	for models with automatic gearbox only
***	fuse rating depends on equipment ⇒ Fitting Locations
****	⇒ automatic gearbox Current Flow Diagram



Engine control unit, glow plugs, glow plug relay, additional coolant pump relay

J52	Glow plug relay
J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T94	94-pin connector
D98	Connection (glow plugs), in engine compartment wiring harness
D177	Connection 2 (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	⇒ auxiliary coolant heater Current Flow Diagram

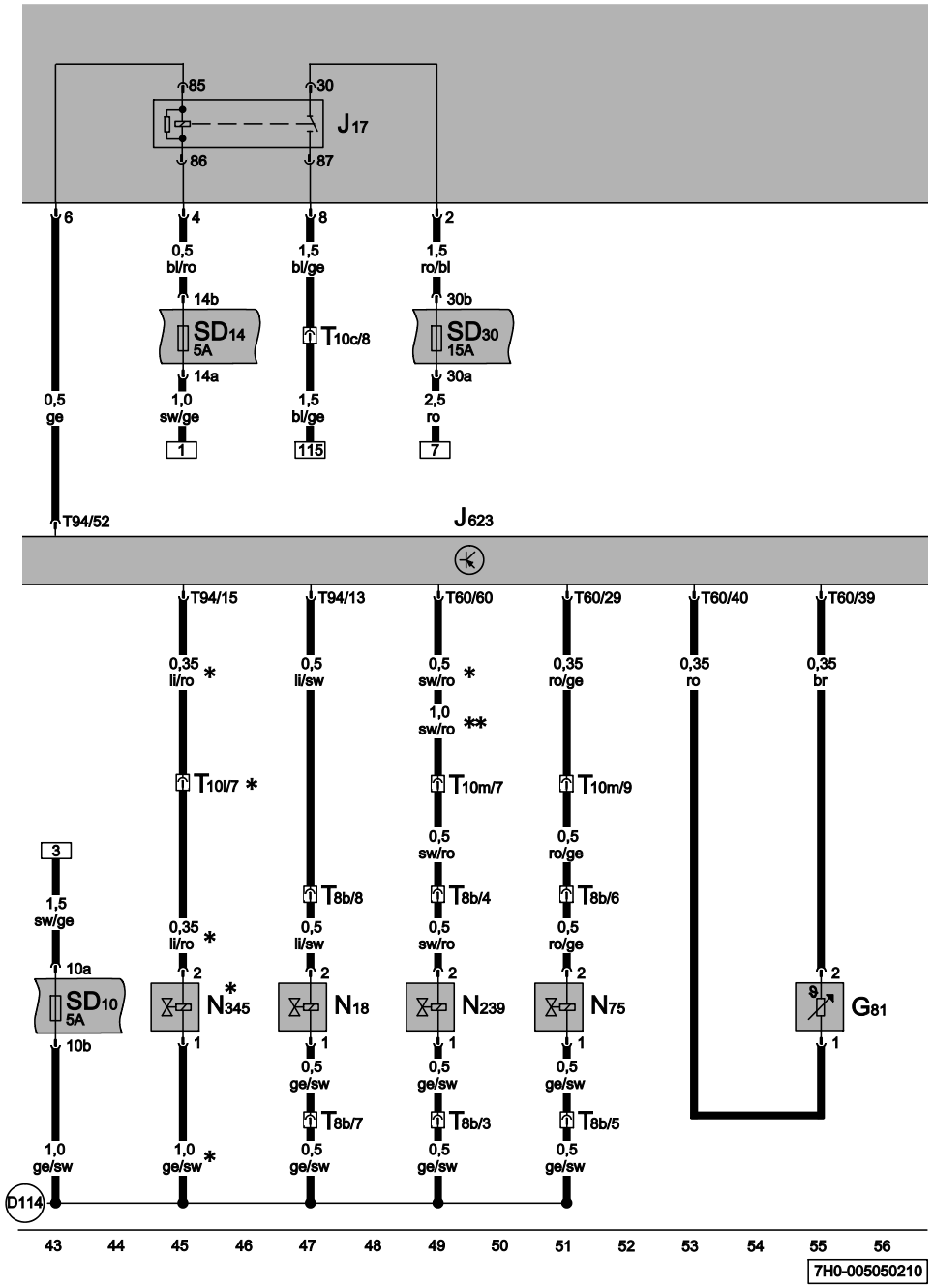
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable up to May 2003
**	applicable from June 2003

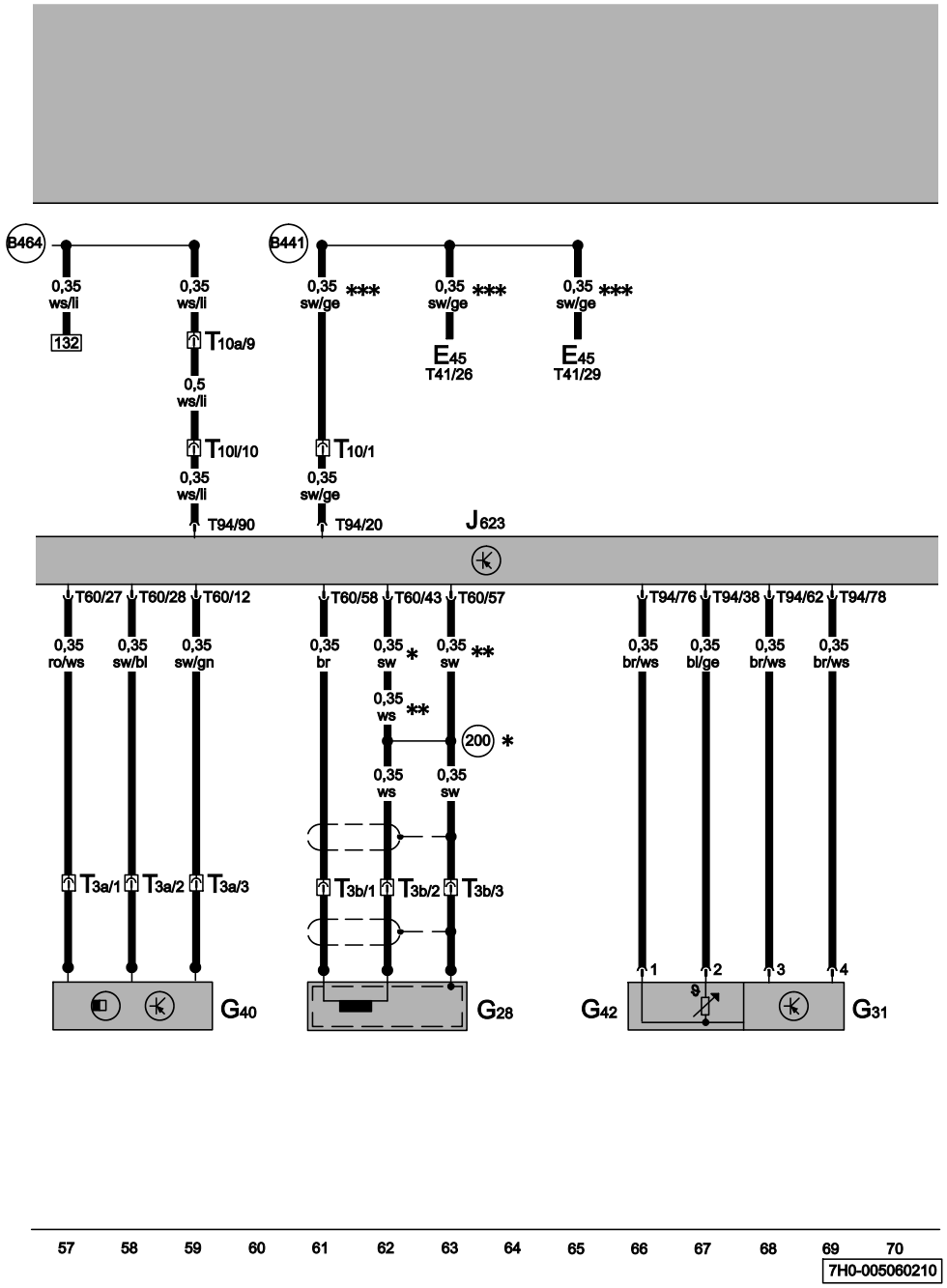
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ro	=	red
br	=	brown
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Engine control unit, fuel temperature sender, fuel pump relay, exhaust gas recirculation valve, charge pressure control solenoid valve, charge pressure control solenoid valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable up to May 2003
**	applicable from June 2003

ws	=	white
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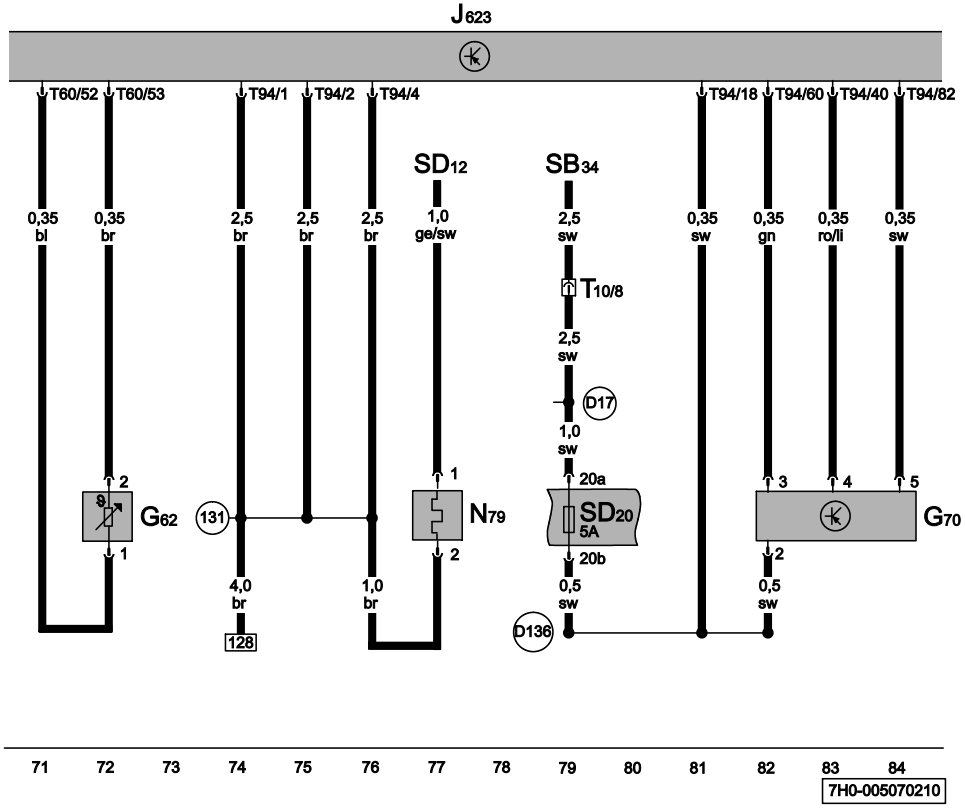


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Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
200	Earth connection (screening) in engine compartment wiring harness
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	applicable up to April 2003
**	applicable from May 2003
***	for models with cruise control system only



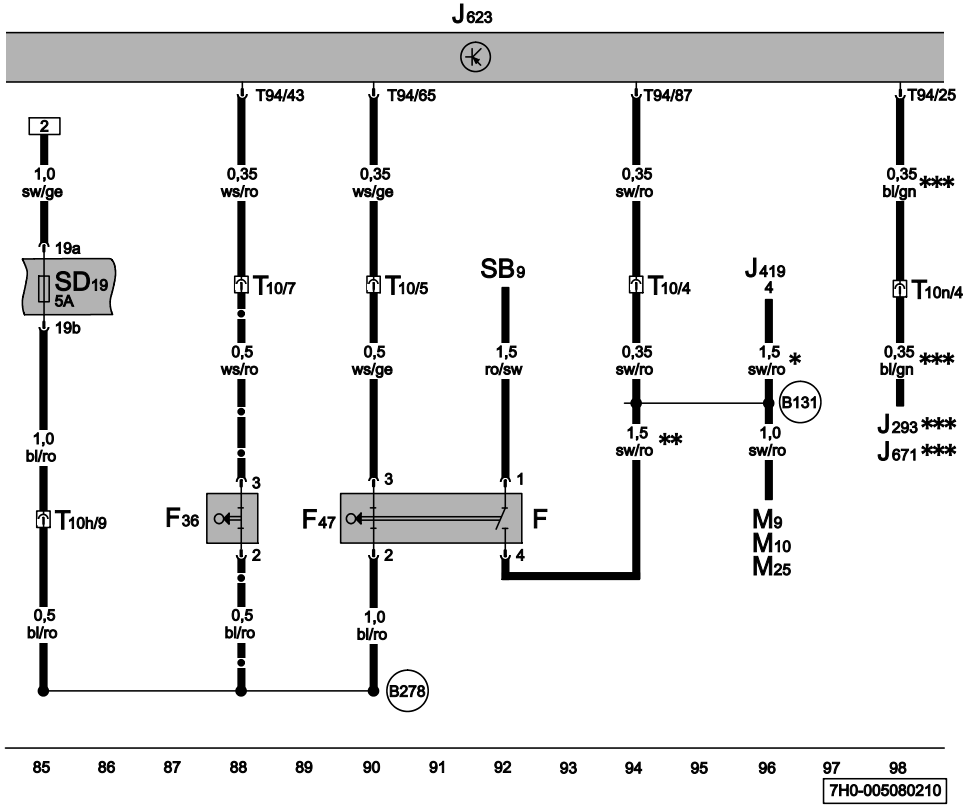


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Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness

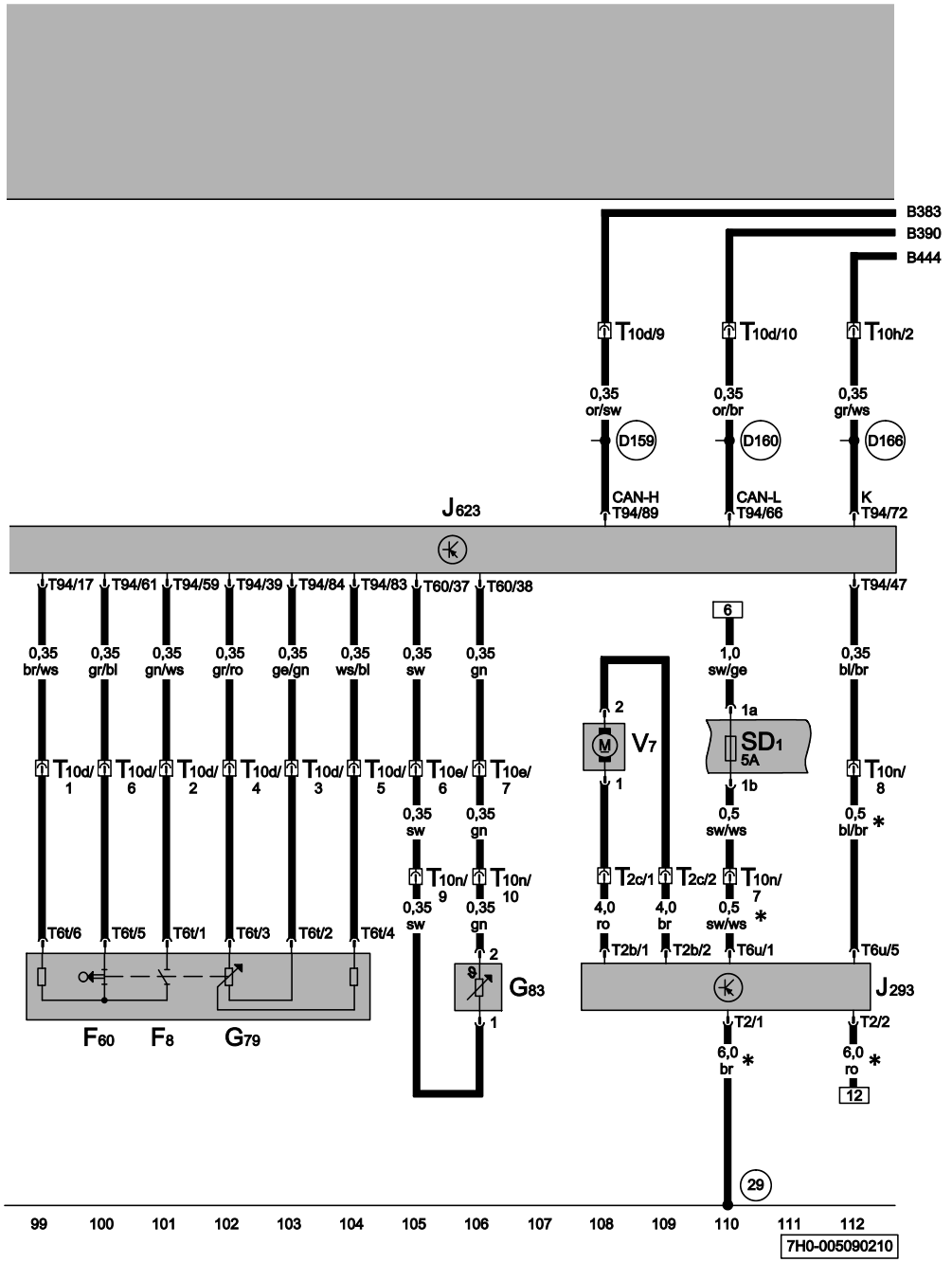




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Engine control unit, brake light switch, clutch pedal switch, brake light bulb

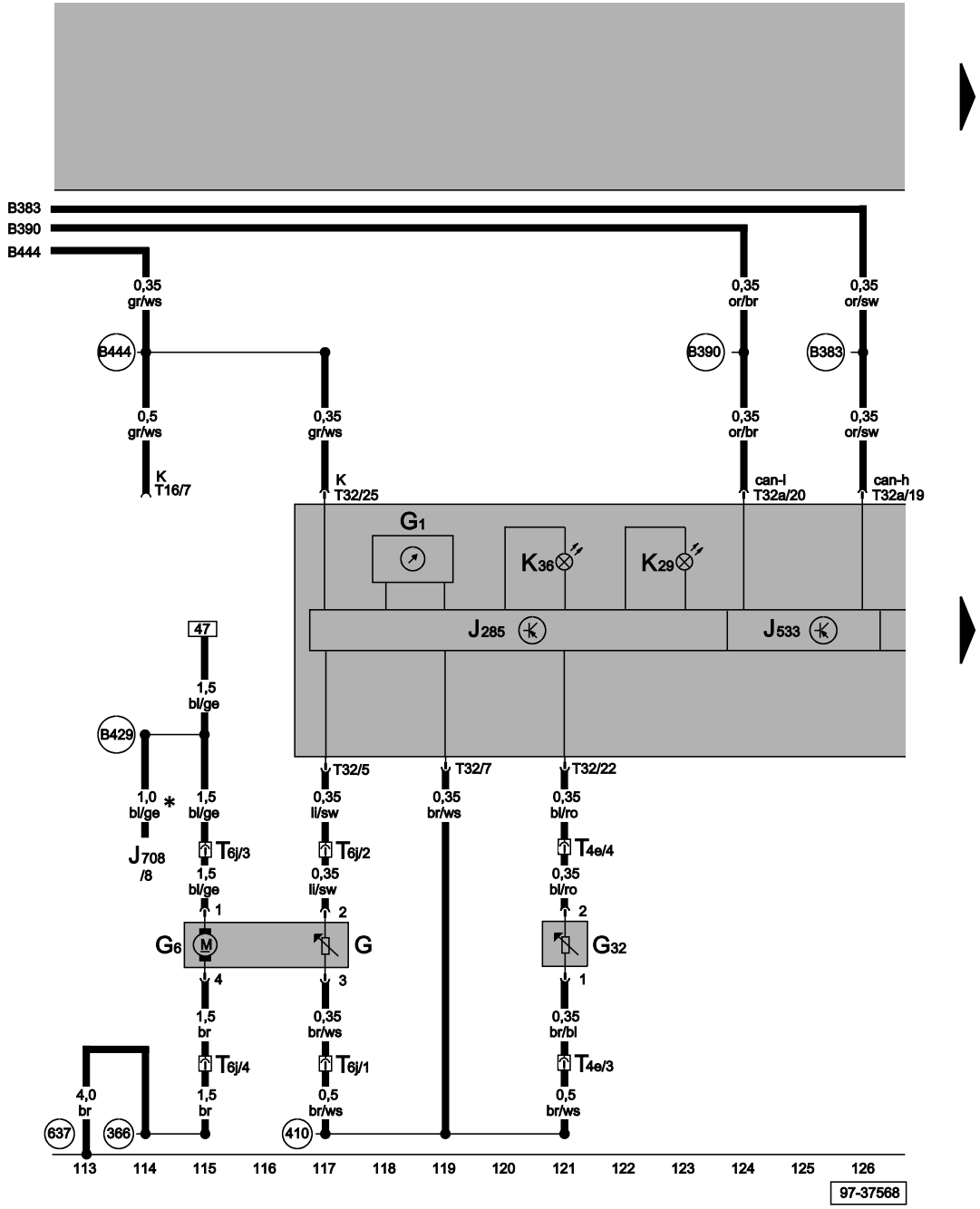
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ESP only
**	for models without ESP only
***	for models with air conditioning system only ⇒ Current Flow Diagram for radiator fan
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox only



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Radiator fan control unit, radiator fan, accelerator position sender, radiator outlet coolant temperature sender, idling speed switch, kick-down switch

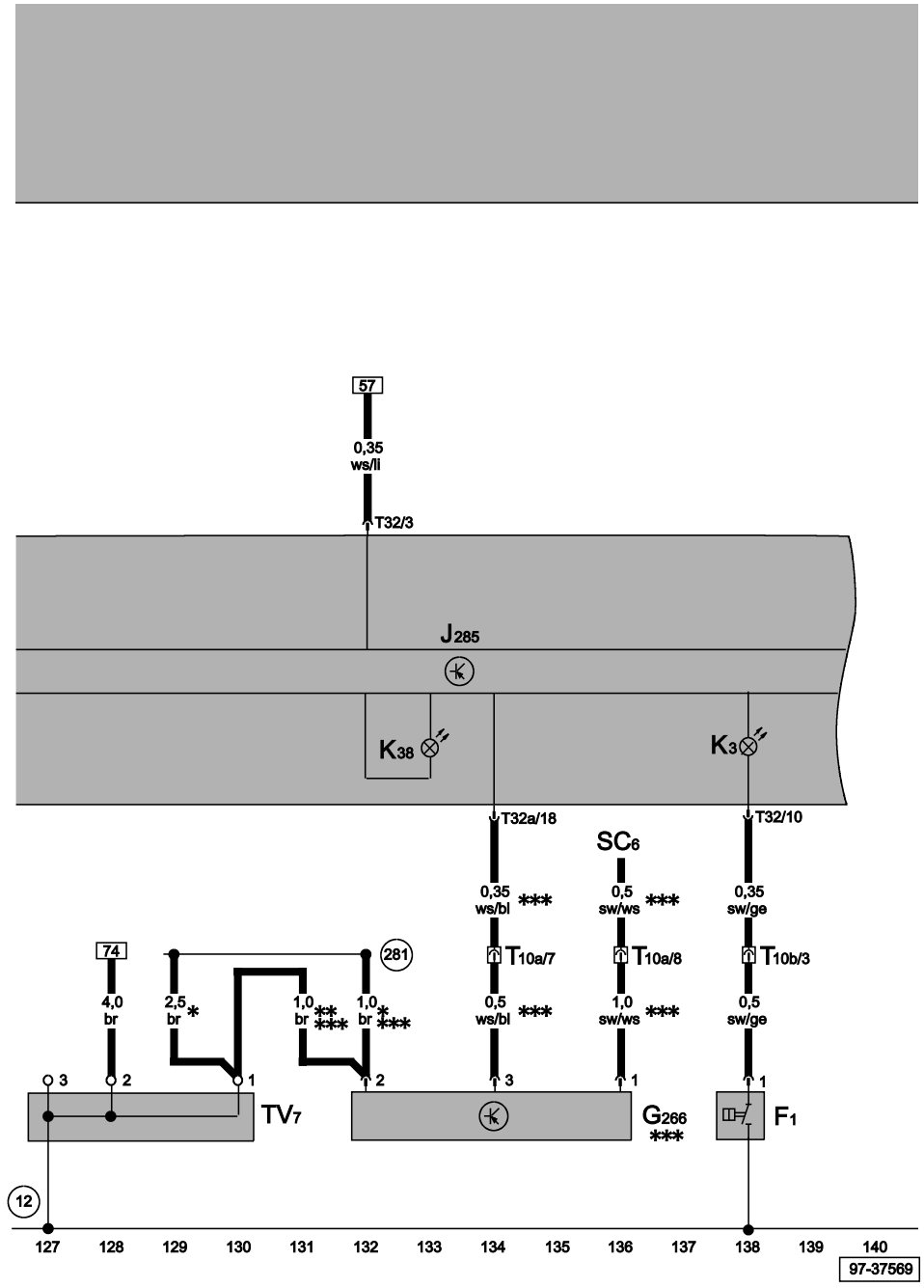
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T6t	6-pin connector
T6u	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



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Dash panel inser, data bus diagnostic interface, fuel gauge sender, fuel system pressurisation pump, coolant shortage indicator sender, warning lamps

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G32	Coolant shortage indicator sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
K36	Coolant shortage warning lamp
T4e	4-pin connector, black, near headlight, front right
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models without Climatronic only



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Control unit with display in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only

Trailer operation

from March 2003

Notes:

For information concerning

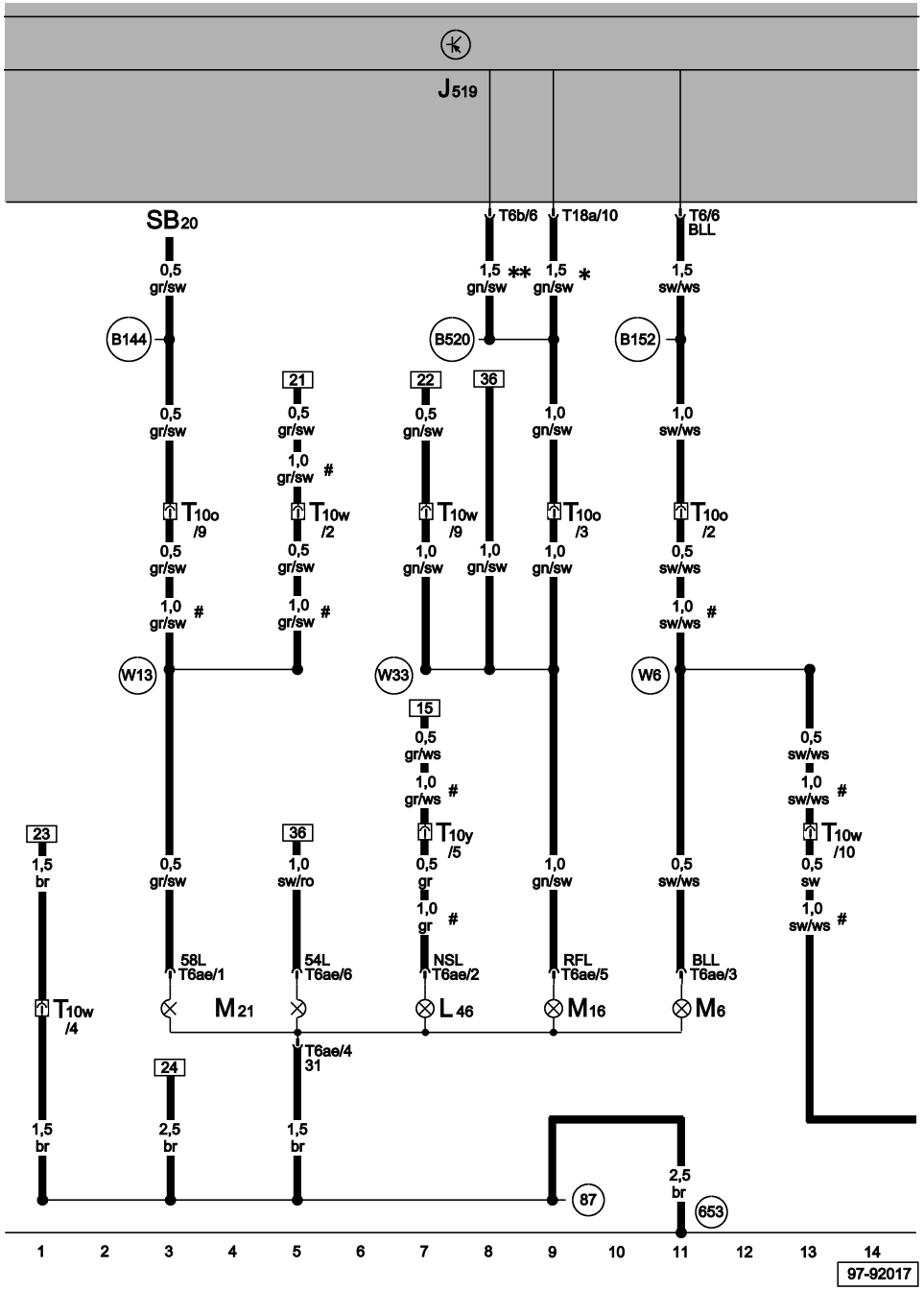
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

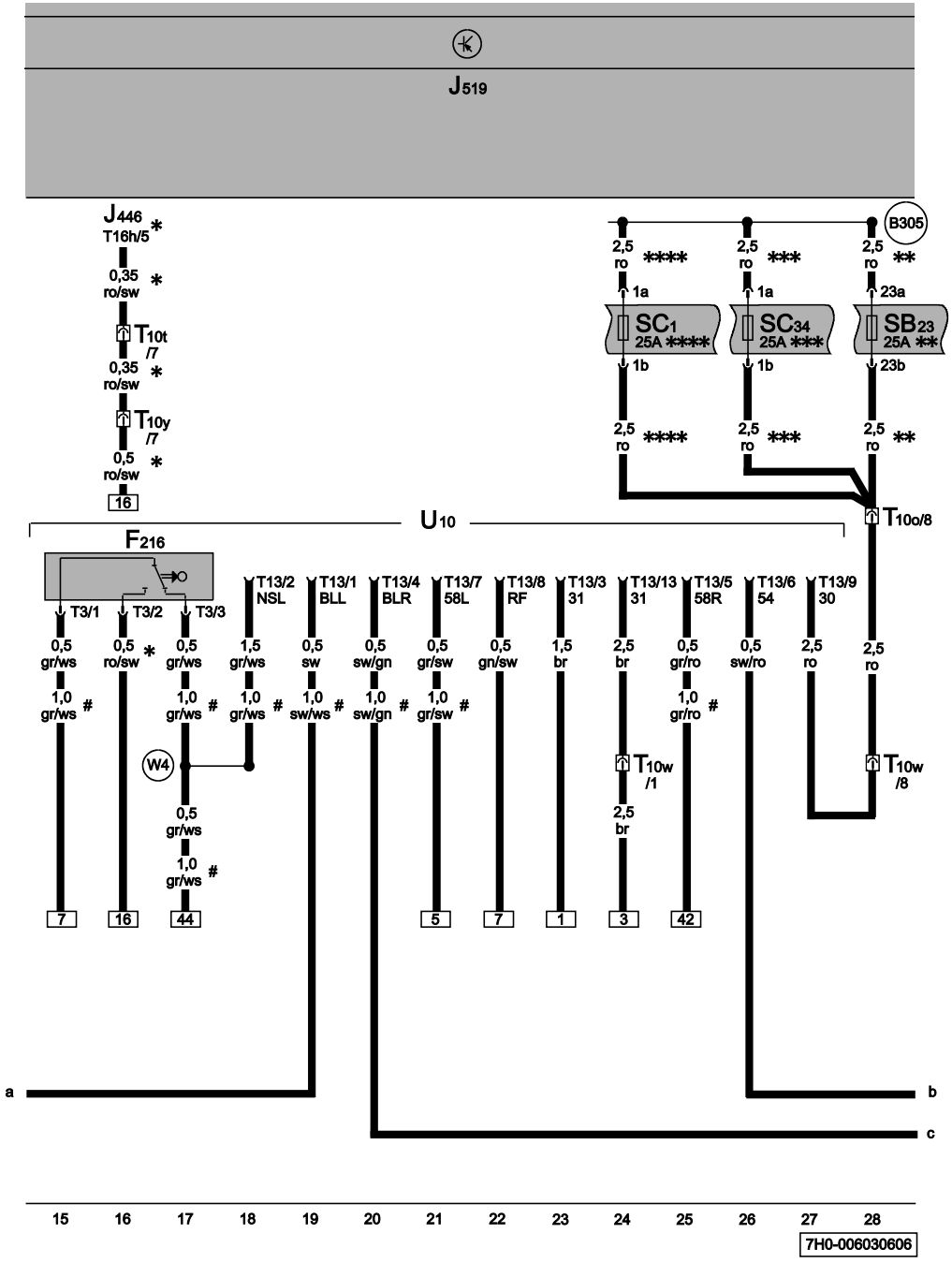
⇒ guided fault finding



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Onboard supply control unit, left brake and tail light bulb, rear left fog light bulb, left reversing light bulb

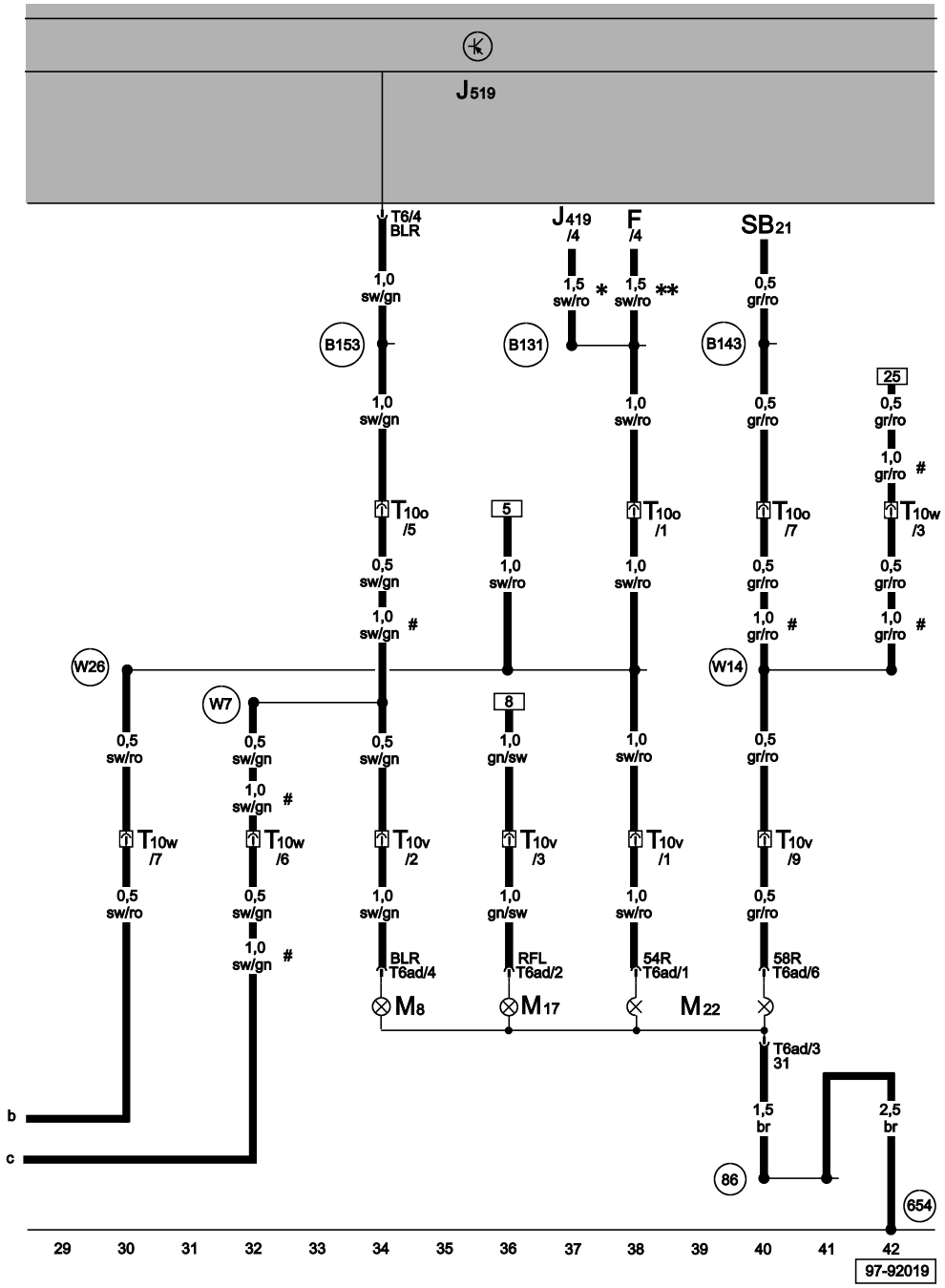
J519	Onboard supply control unit
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
L46	Rear left fog light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T18a	18-pin connector, brown
87	Earth connection 2, in rear wiring harness
653	Earth point, left D-pillar
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only
#	applicable from February 2004



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Trailer socket, rear fog light cut-out contact switch

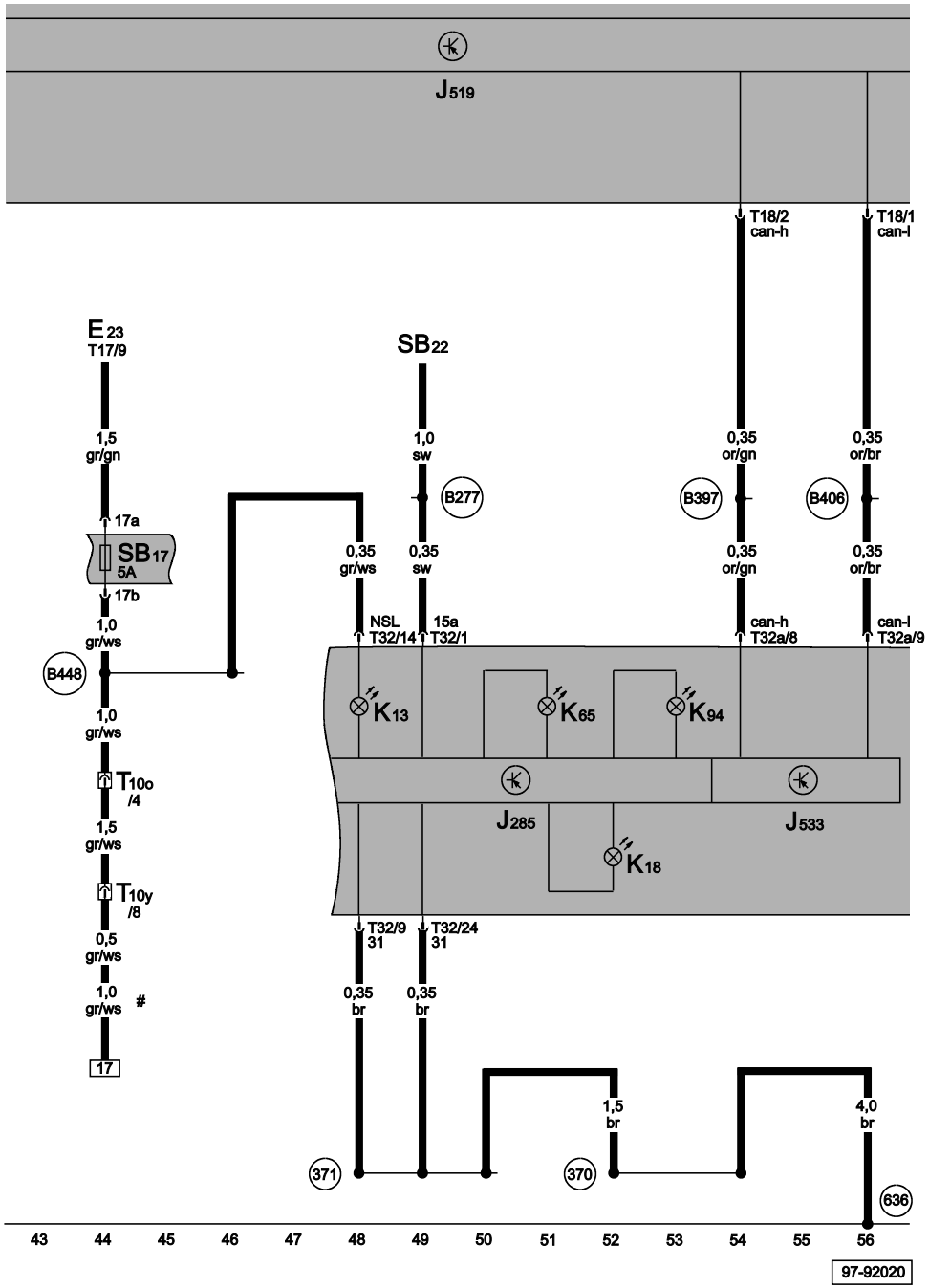
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown, up to January 2004 white
U10	Trailer socket
B305	Positive connection 9 (30), in main wiring harness
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models with parking aid only
**	applicable up to January 2004
***	applicable from February 2004 up to May 2004
****	applicable from June 2004
#	applicable from February 2004



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Onboard supply control unit, right brake and tail light bulb, brake light switch, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
T10w	10-pin connector, orange, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ABS and ESP only
**	for models with ABS, TCS and EDL only
#	applicable from February 2004



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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, control unit in dash panel insert, trailer operation warning lamp, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B448	Connection (rear fog light), in main wiring harness
#	applicable from February 2004

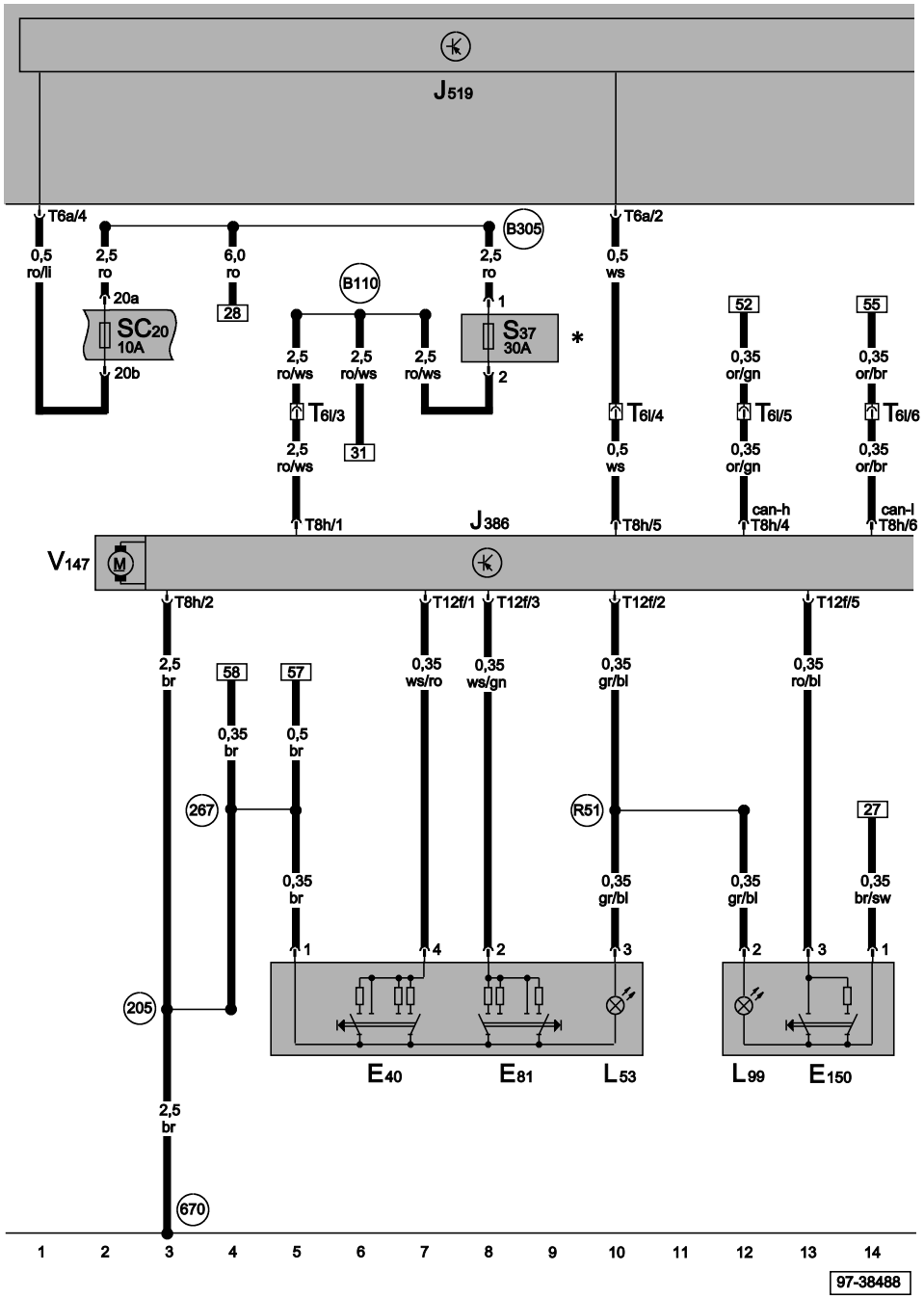
Convenience system

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

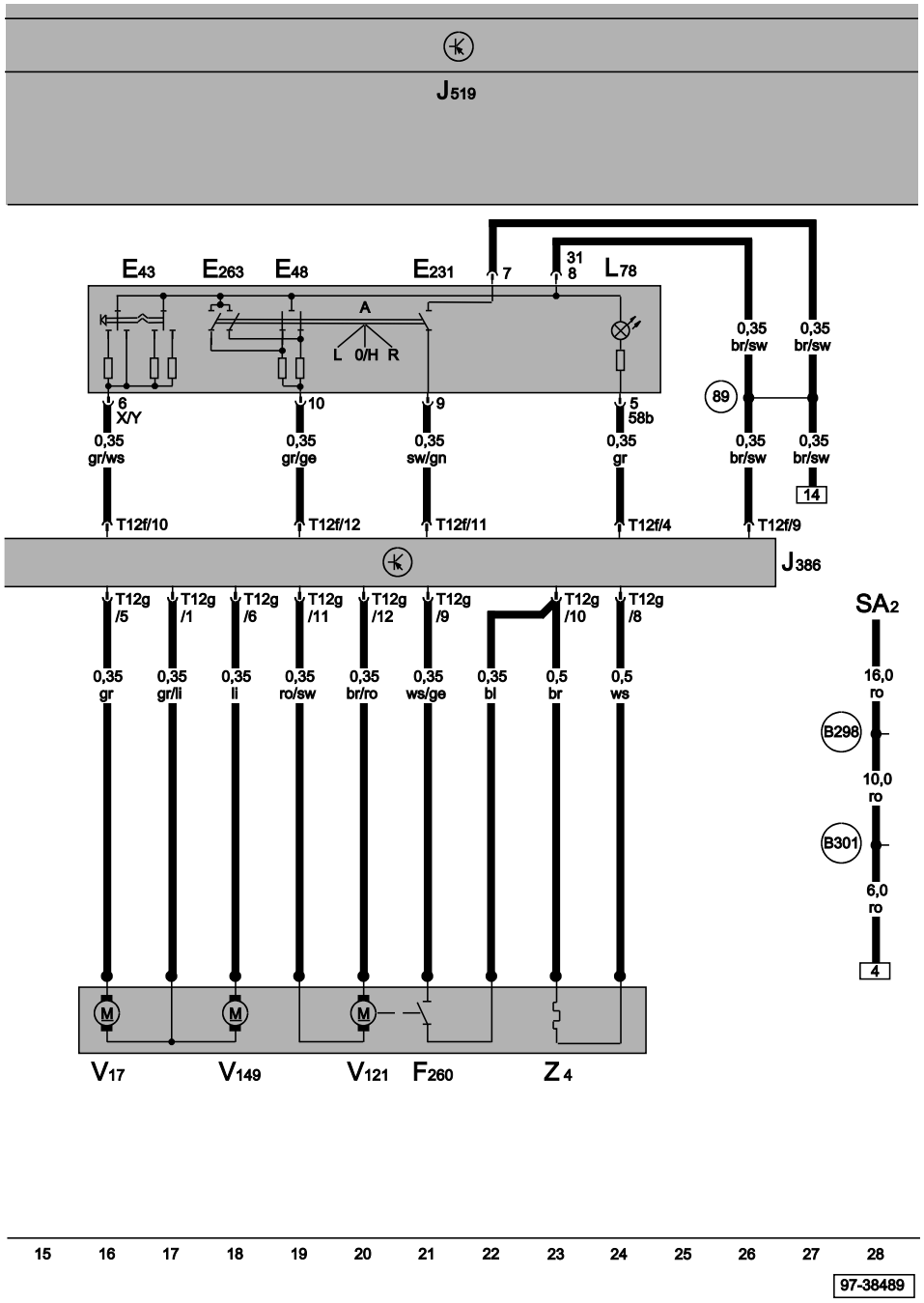
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left window regulator switch, driver side interior locking switch, driver door control unit, driver side window regulator motor, window regulator single fuse

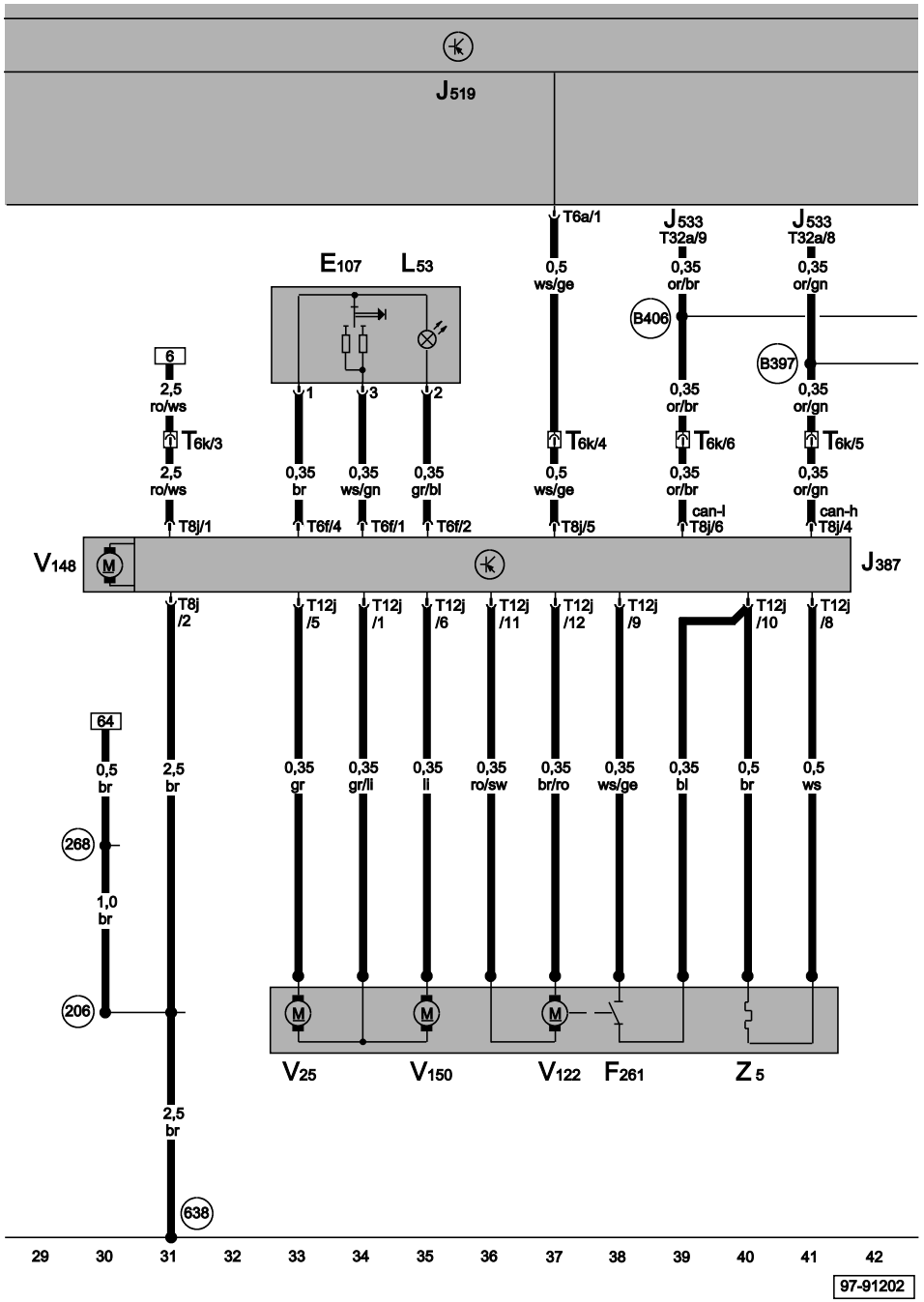
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
E150	Driver side interior locking switch
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
L99	Interior lock switch illumination bulb
S37	Window regulator single fuse
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T12f	12-pin connector
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B305	Positive connection 9 (30), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations



Mirror adjustment switch, driver door control unit, driver side fold-in mirror motor, driver side heated exterior mirror, fold-in mirror switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
T12f	12-pin connector
SA2	Fuse 2 on fuse holder A
T12g	12-pin connector
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness

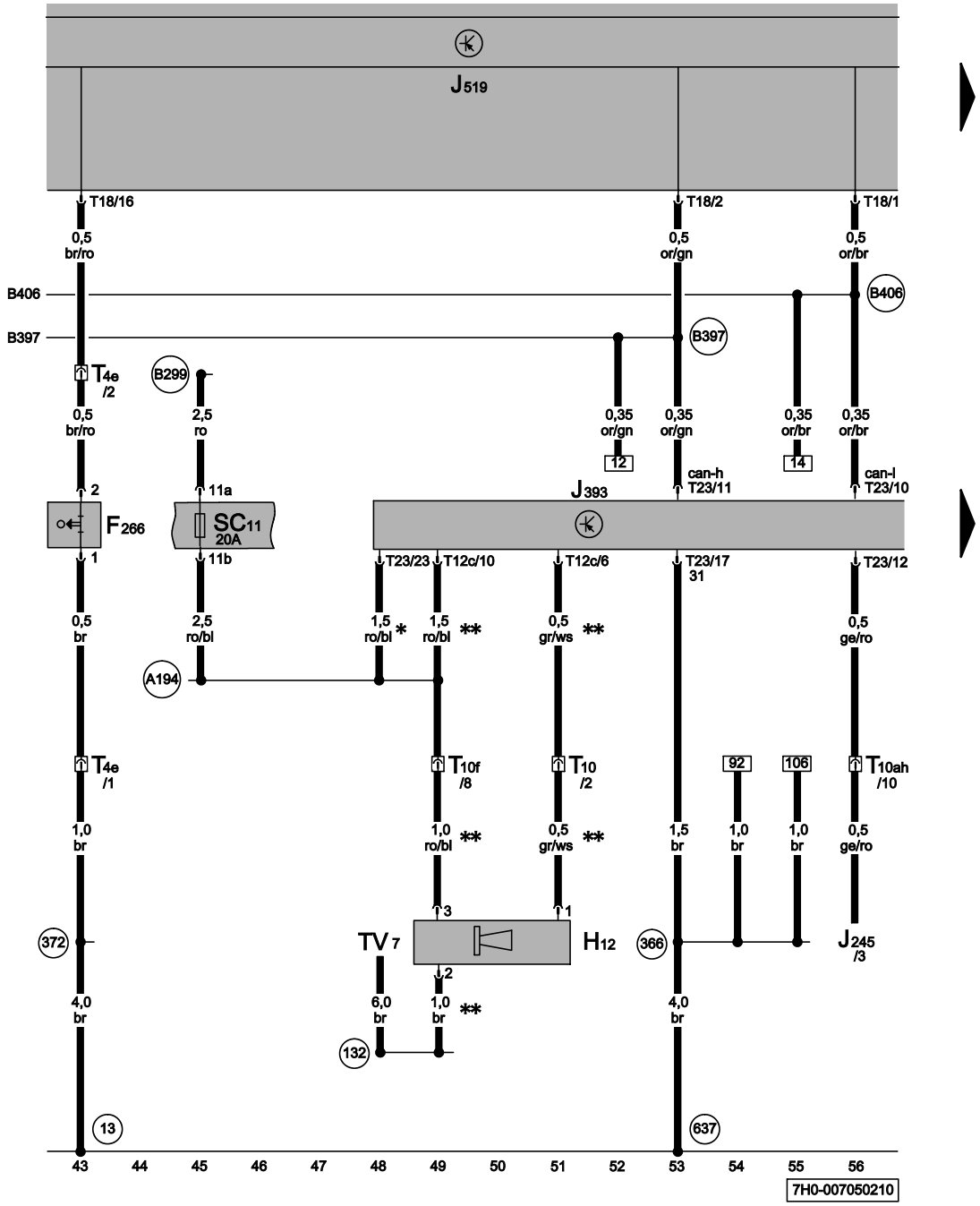
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

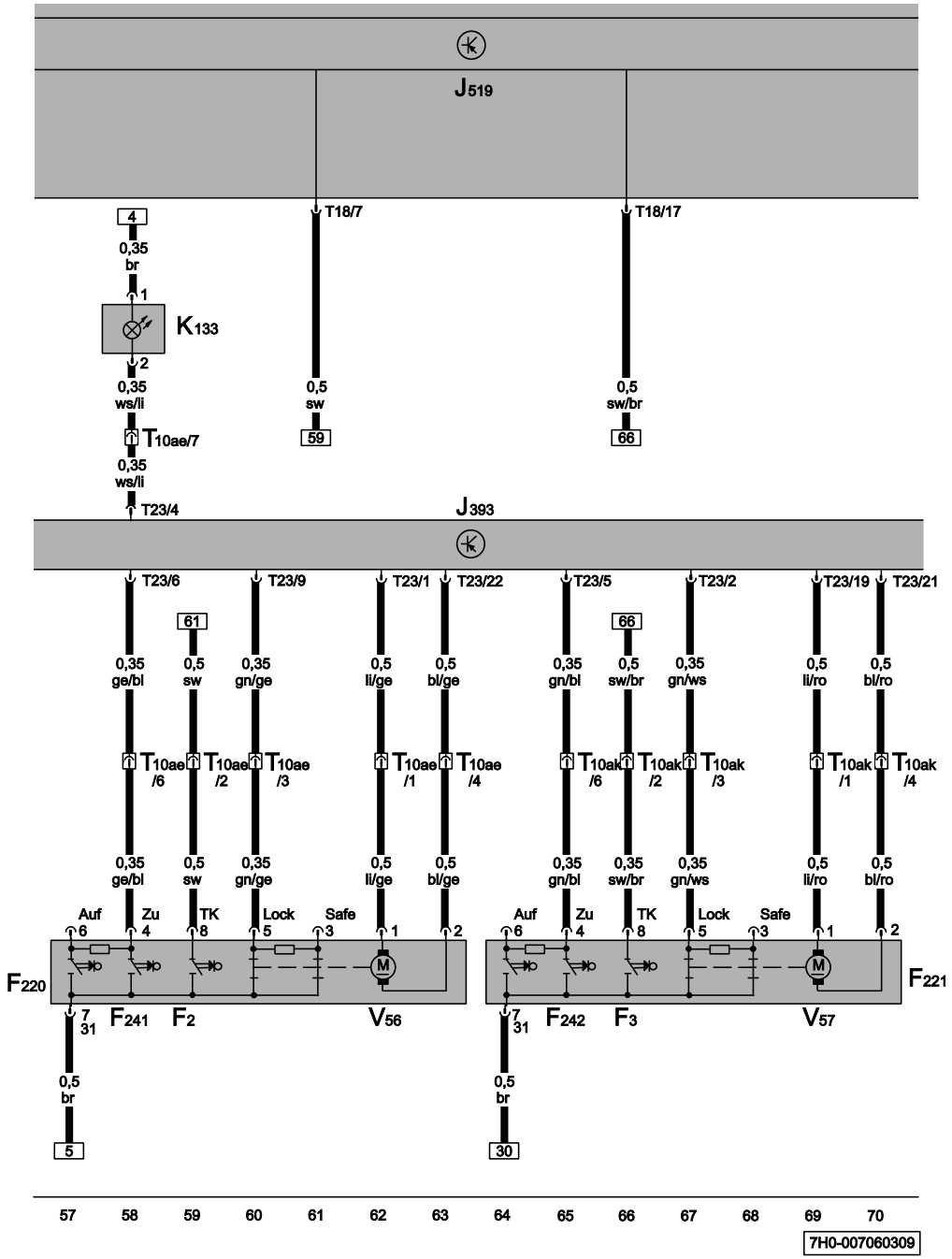
E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T6k	6-pin connector, brown, coupling station on right of A-pillar
T8j	8-pin connector
T12j	12-pin connector
T32a	32-pin connector, green
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, alarm horn, bonnet contact switch

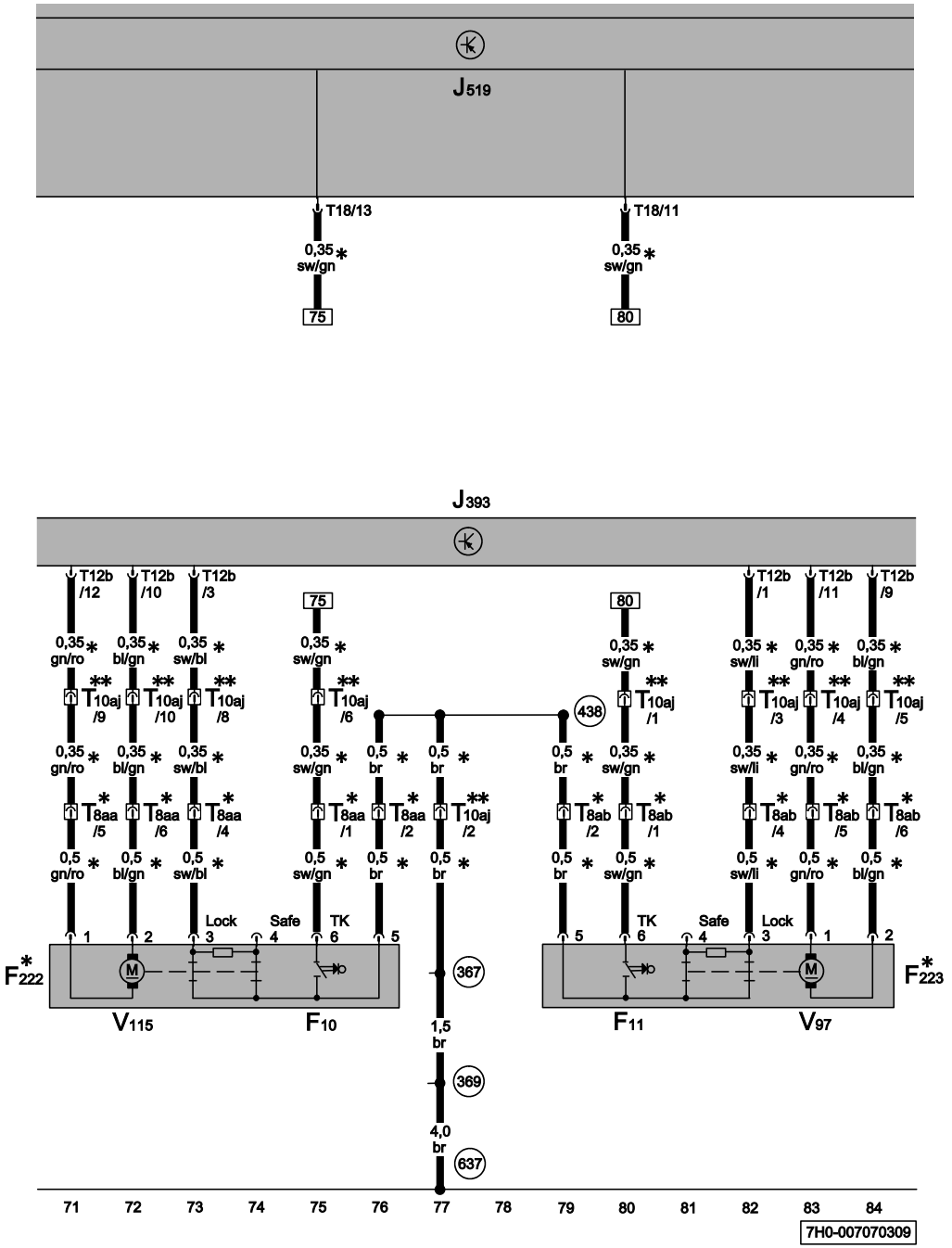
F266	Bonnet contact switch
H12	Alarm horn
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
366	Earth connection 1, in main wiring harness
372	Earth connection 7, in main wiring harness
637	Earth point, airbag control unit
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
**	for models with anti-theft alarm system only



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor

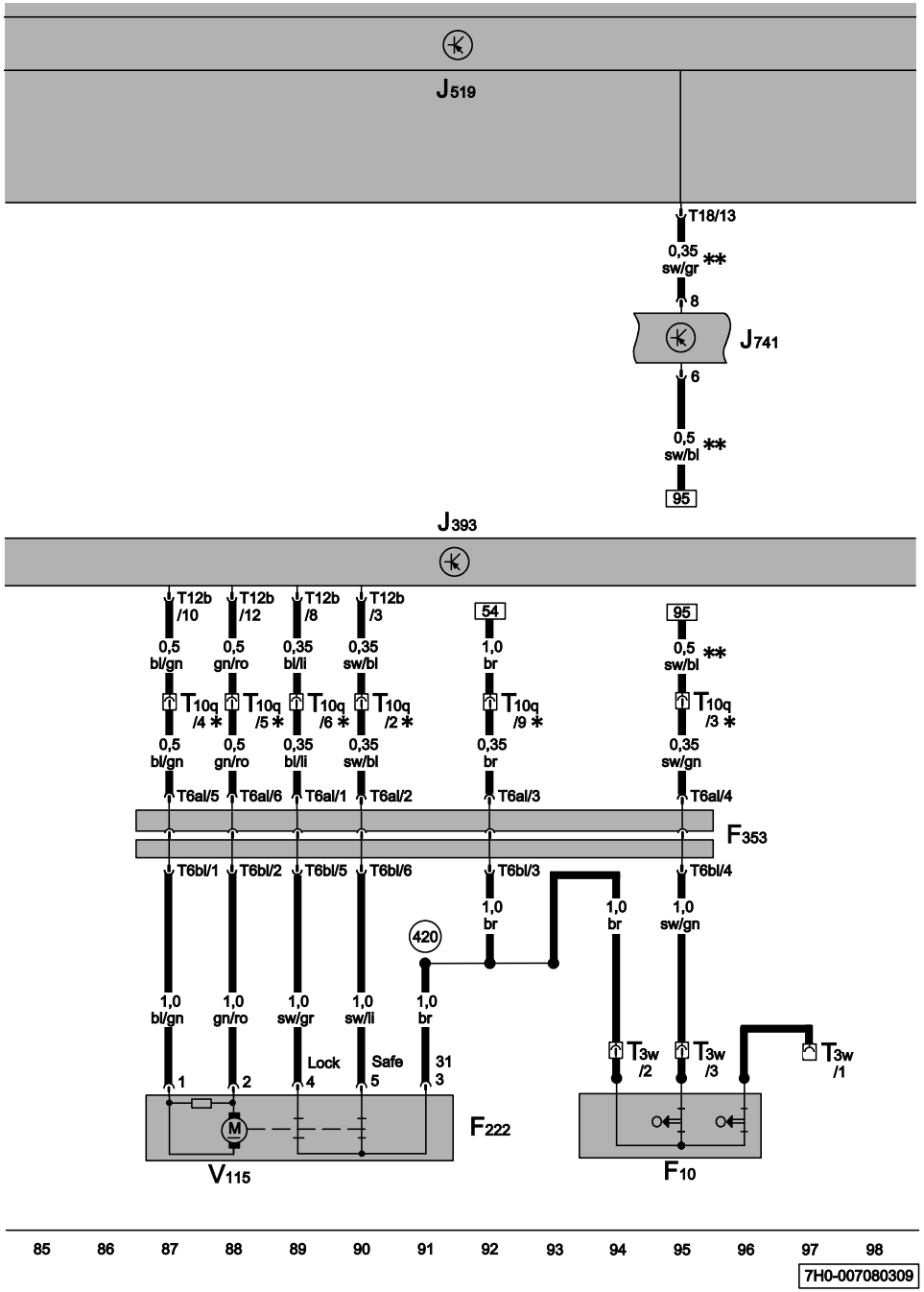
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T10aj	10-pin connector, light-green, coupling station on left of A-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	Pin connector is dropped from February 2004

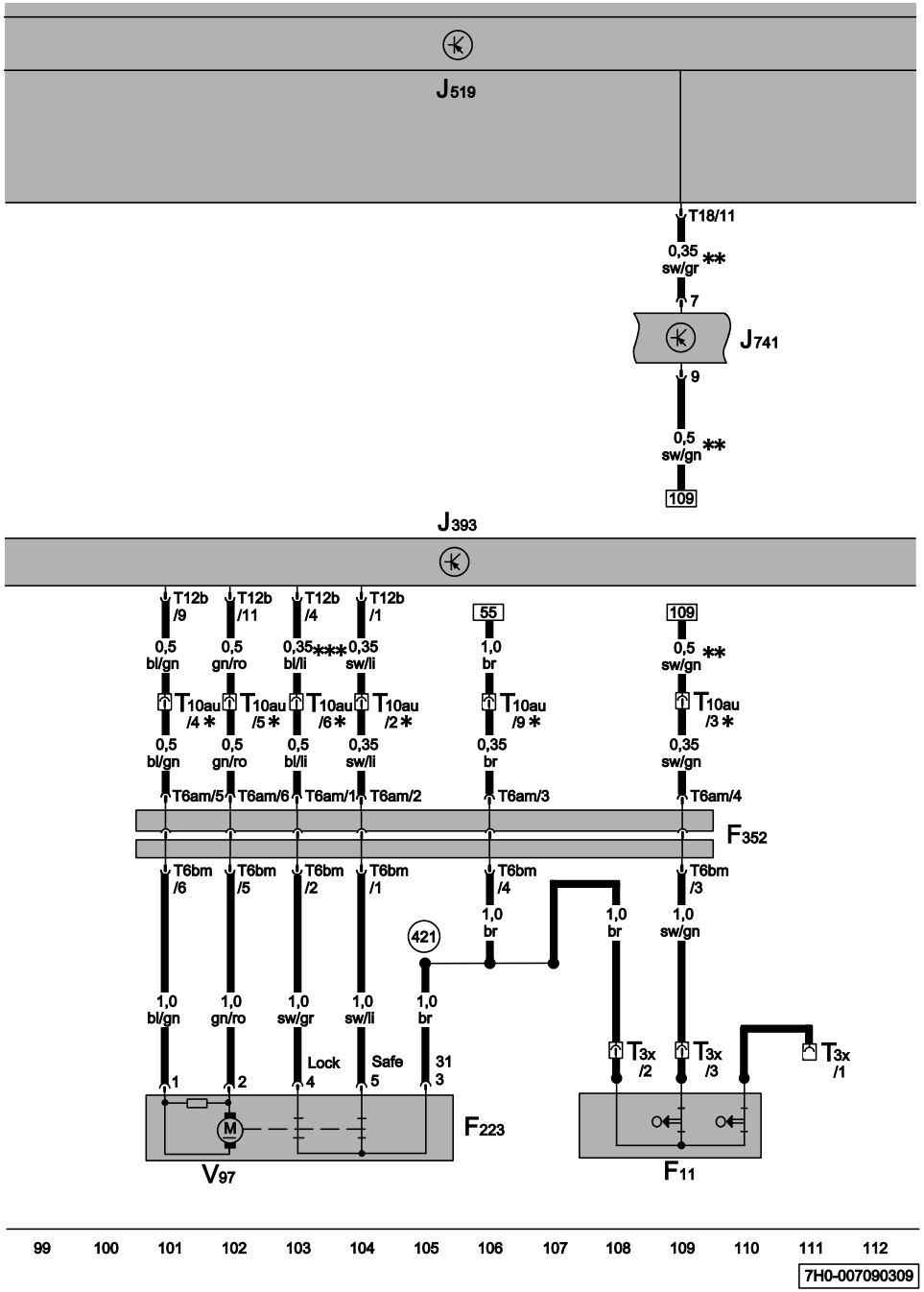
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip, dual signal inverter relay

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
**	for models without electric sliding doors/power latching system only, applicable from June 2003

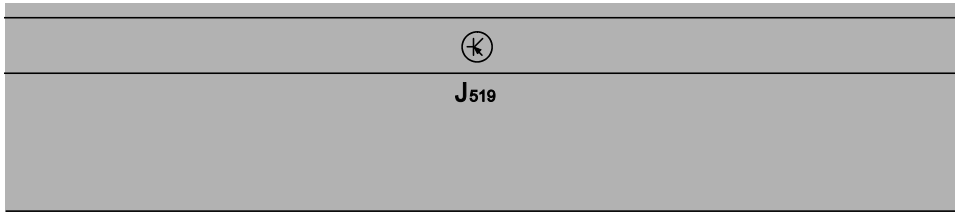
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

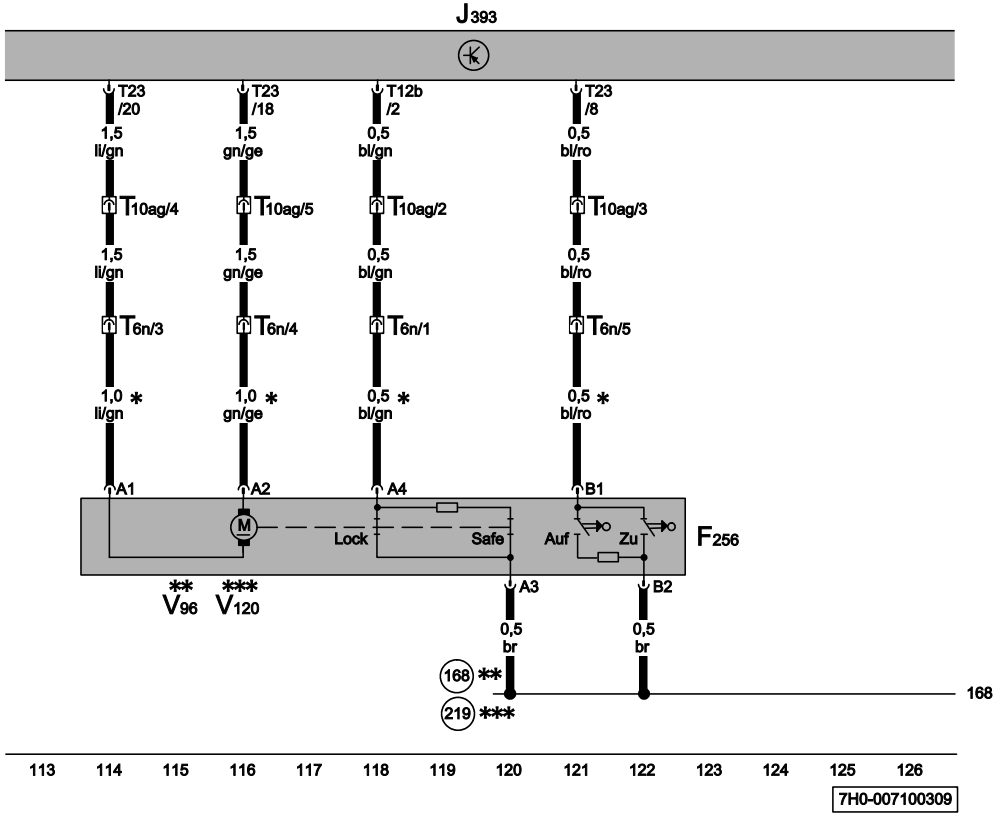


Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip, dual signal inverter relay

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
**	for models without electric sliding doors/power latching system only, applicable from June 2003
***	From December 2003 the colour changes to black/grey

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

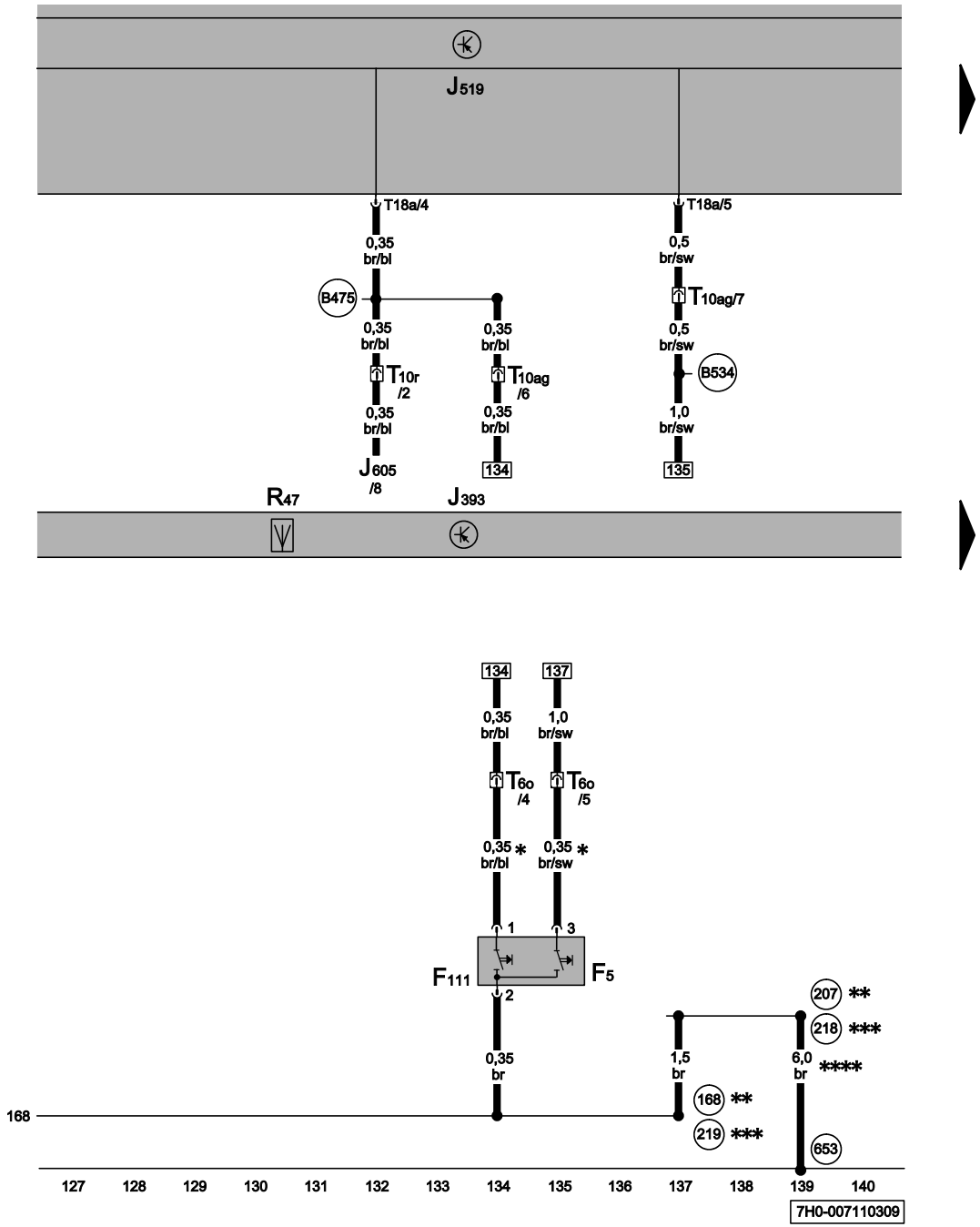




Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	for models with rear wing doors only
***	for models with rear lid only

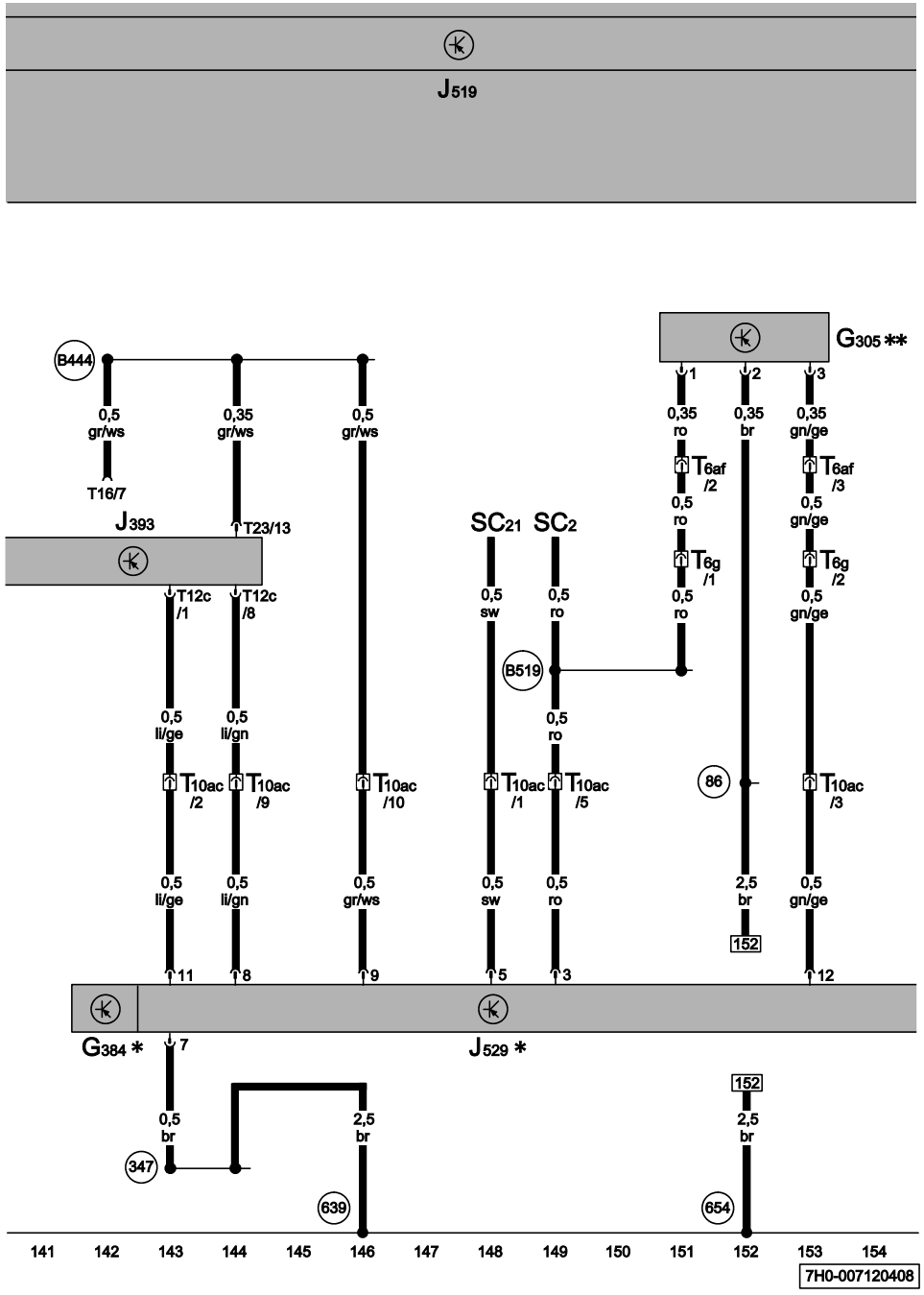
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Convenience system central control unit, luggage compartment light switch, rear lid contact switch, central locking and anti-theft alarm system aerial

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
R47	Central locking and anti-theft alarm system aerial
T6o	6-pin connector, red, coupling station on left of D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	for models with rear wing doors only
***	for models with rear lid only
****	Cross-section 4.0 possible

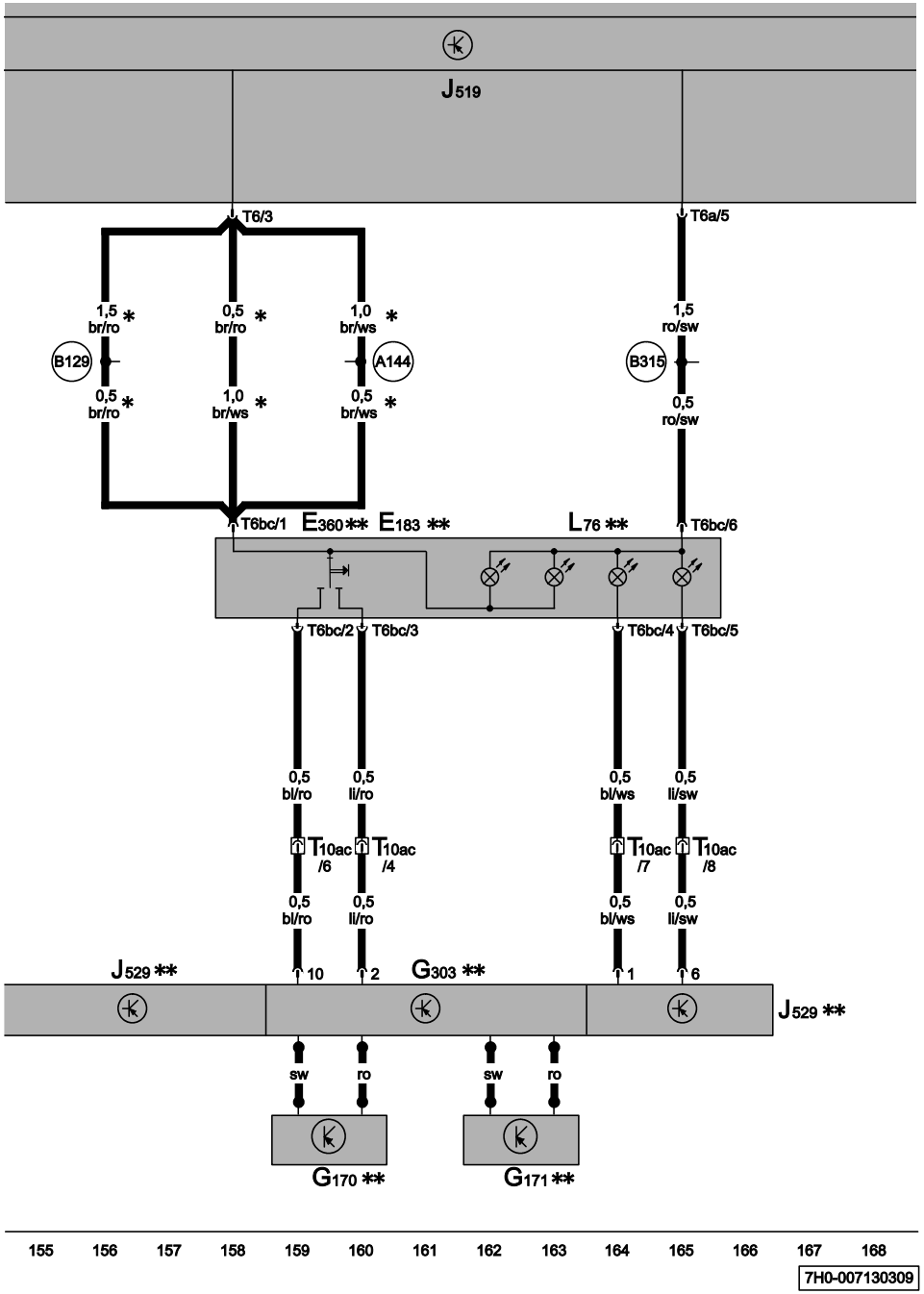
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Anti-theft and tilt system control unit, vehicle inclination sender, interior monitor send and receive module 2

G305	Interior monitor send and receive module 2
G384	Vehicle inclination sender
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6g	6-pin connector, brown, coupling station under driver seat
T6af	6-pin connector, dark brown, coupling station on left of D-pillar
T10ac	10-pin connector, green, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
86	Earth connection 1, in rear wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
654	Earth point, right D-pillar
B444	Connection 1 (diagnosis), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with anti-theft alarm system only 7AL



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

6-speed automatic gearbox (09K)

from March 2003

Notes:

For information concerning

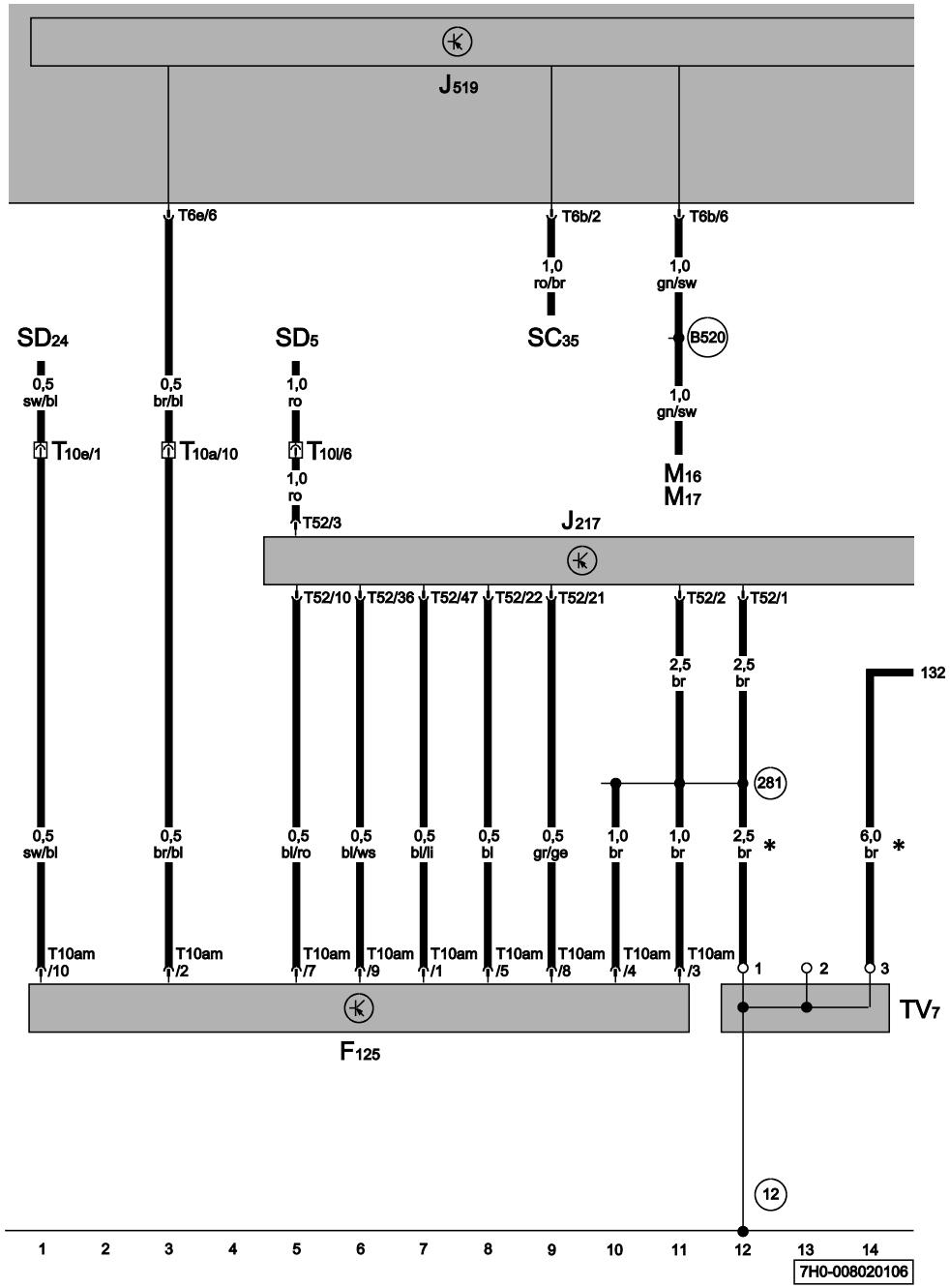
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

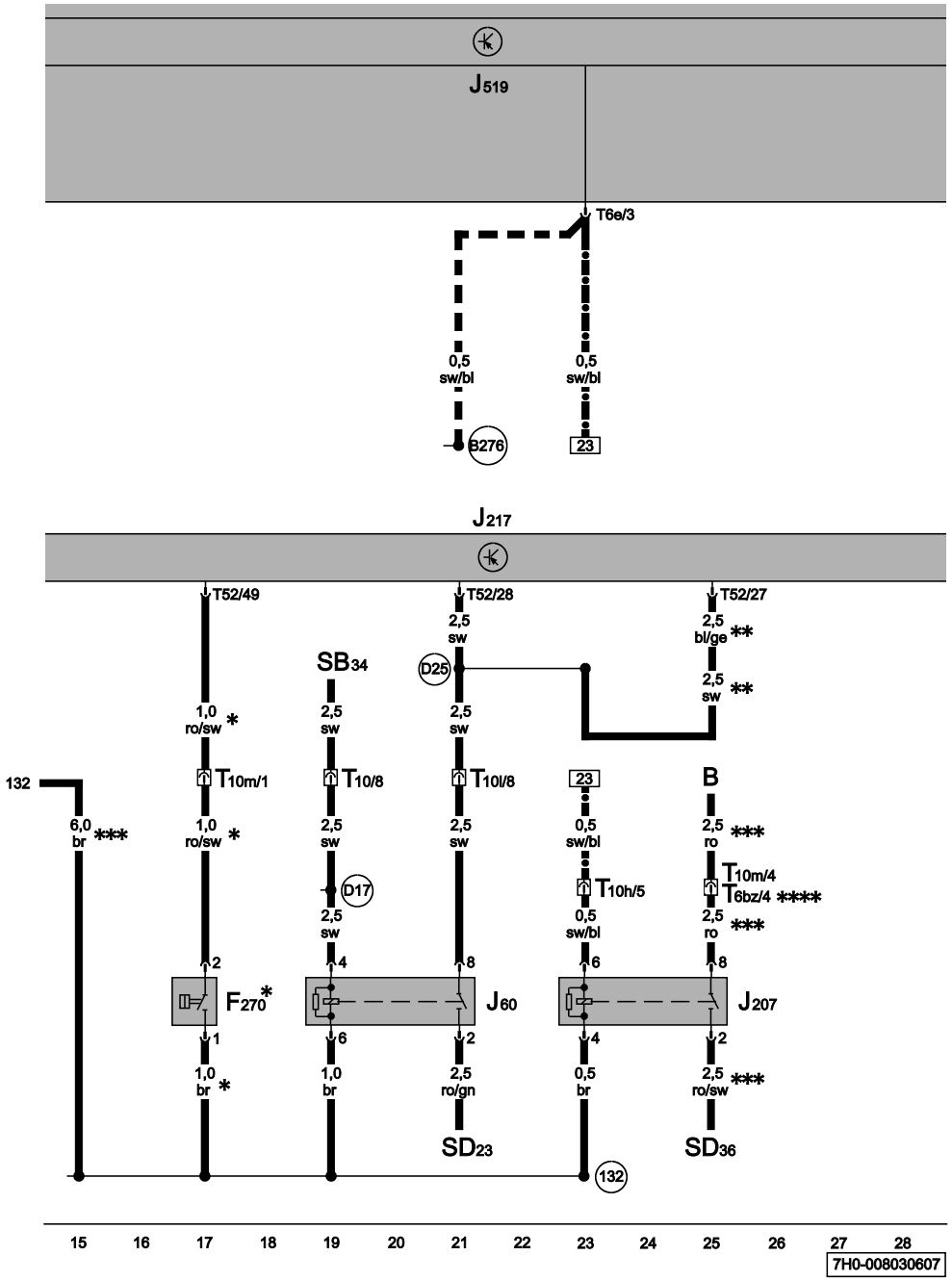
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
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bl = blue
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rs = pink

Automatic gearbox control unit, multifunction switch, reversing light bulb

F125	Multifunction switch
J217	Automatic gearbox control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC35	Fuse 35 on fuse holder C
SD5	Fuse 5 on fuse holder D
SD24	Fuse 24 on fuse holder D
T6b	6-pin connector, red
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T52	52-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B520	Connection (RL), in main wiring harness
*	Cross-section 4.0 possible



Automatic gearbox control unit, brake pressure switch, automatic gearbox relay, starter inhibitor relay

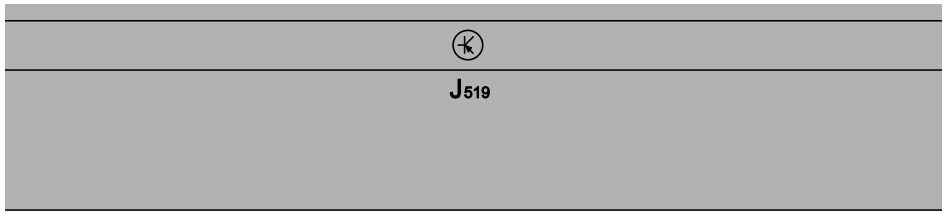
B	Starter
F270	Brake pressure switch
J60	Automatic gearbox relay
J207	Starter inhibitor relay
J217	Automatic gearbox control unit
J519	Onboard supply control unit
SB34	Fuse 34 on fuse holder B
SD23	Fuse 23 on fuse holder D
SD36	Fuse 36 on fuse holder D
T6e	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T52	52-pin connector
132	Earth connection 3, in engine compartment wiring harness
B276	Positive connection (50), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D25	Positive connection (15), in engine wiring harness
*	not with all levels of equipment, is dropped from February 2004
**	depends on equipment
***	Cross-section 4.0 possible
****	applicable from June 2004
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.p	for models without electric interface only

ws = white

sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

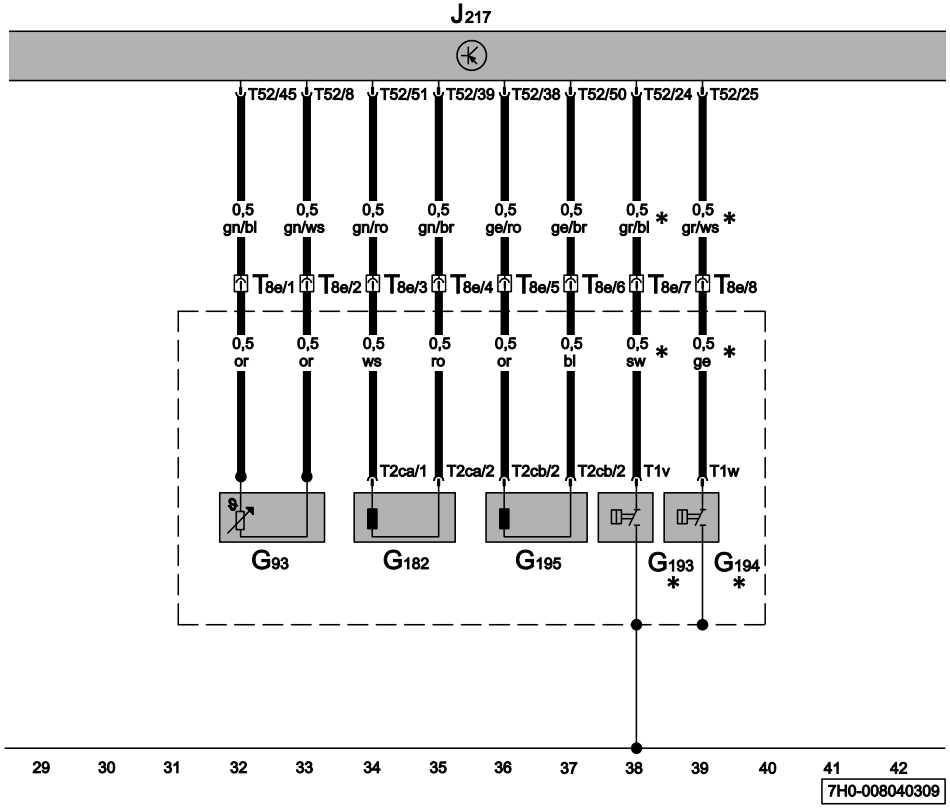
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for models without electric interface only, applicable from June 2003

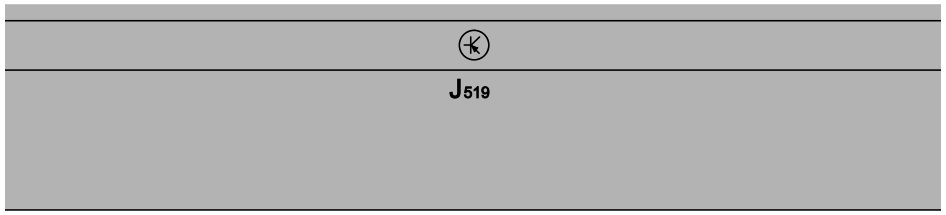


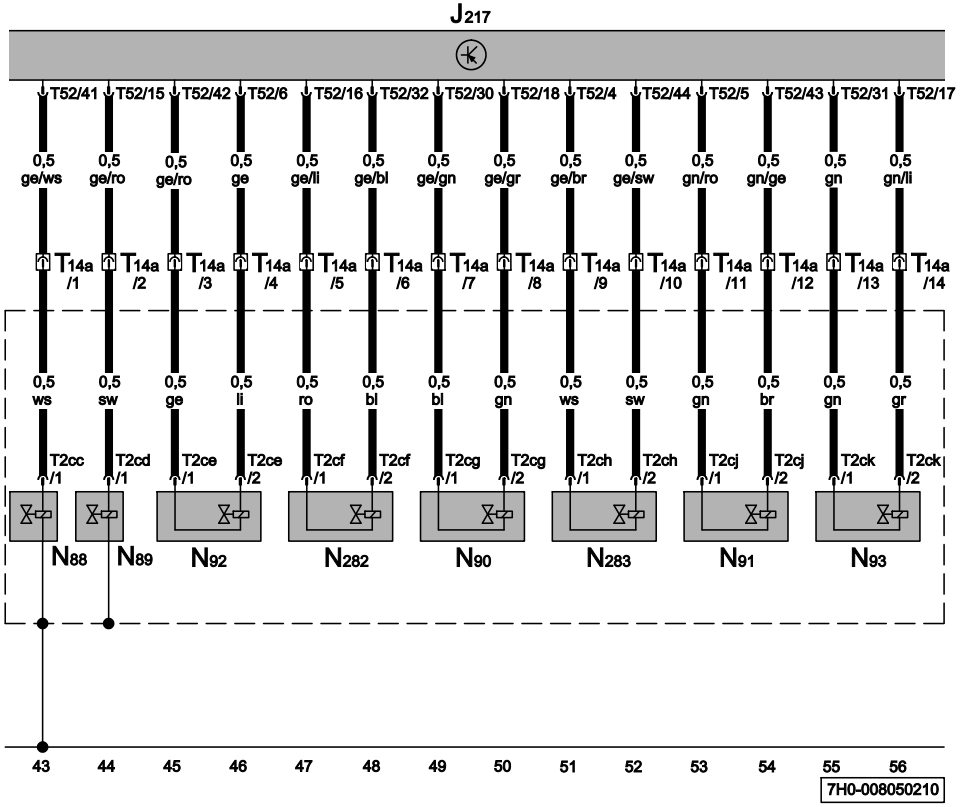
Automatic gearbox control unit, gearbox oil temperature sender, gearbox input speed sender, gearbox output speed sender, automatic gearbox hydraulic pressure sender

G93	Gearbox oil temperature sender
G182	Gearbox input speed sender
G193	Automatic gearbox hydraulic pressure sender 1
G194	Automatic gearbox hydraulic pressure sender 2
G195	Gearbox output speed sender
J217	Automatic gearbox control unit
J519	Onboard supply control unit
T1v	Single connector, in gearbox
T1w	Single connector, in gearbox
T2ca	2-pin connector, white, in gearbox
T2cb	2-pin connector, blue, in gearbox
T8e	8-pin connector, black, on gearbox
T52	52-pin connector
*	Is dropped from June 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

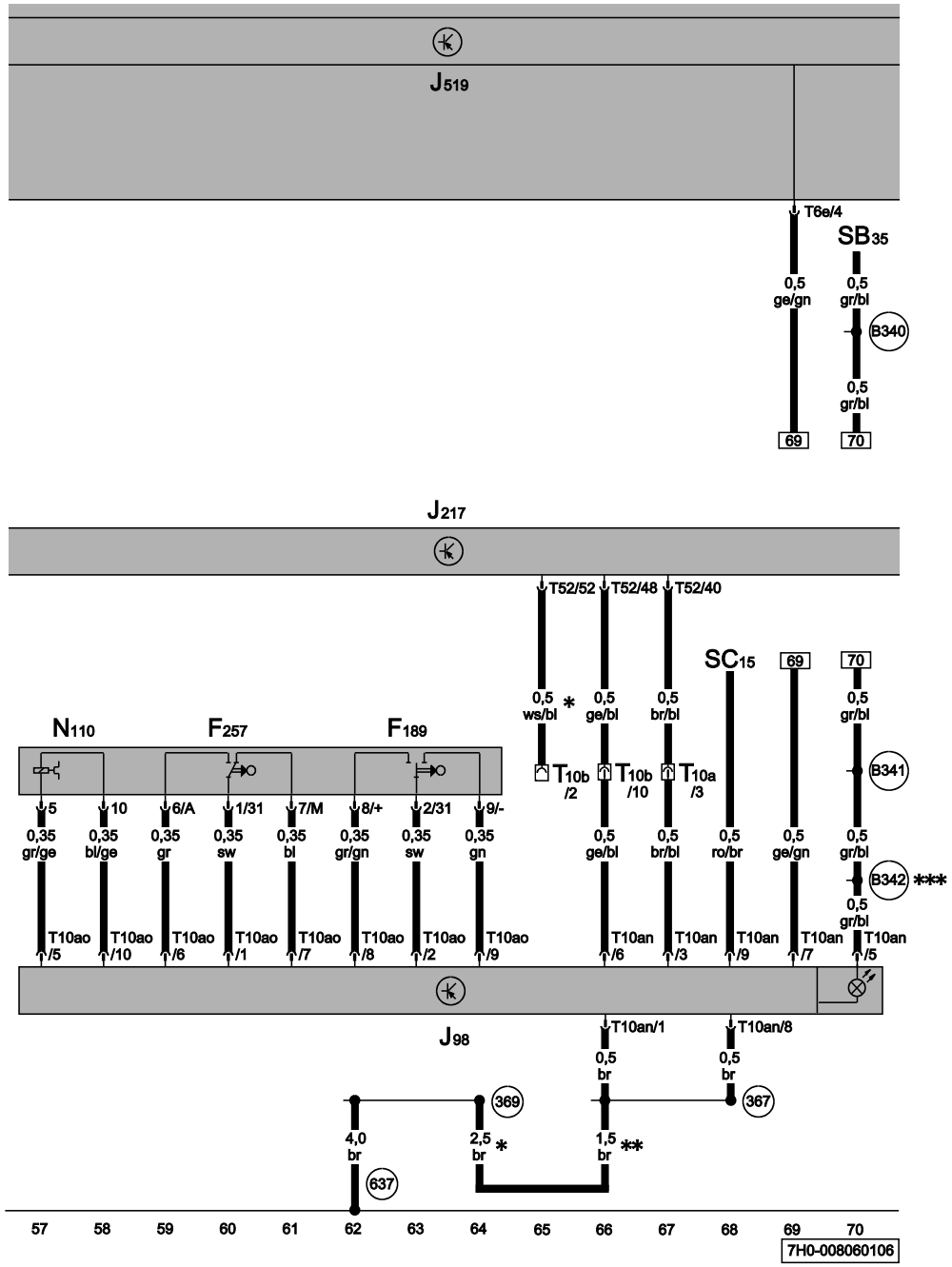




Automatic gearbox control unit, solenoid valves

J217	Automatic gearbox control unit
J519	Onboard supply control unit
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N282	Solenoid valve 9
N283	Solenoid valve 10
T2cc	2-pin connector, black, in gearbox
T2cd	2-pin connector, black, in gearbox
T2ce	2-pin connector, black, in gearbox
T2cf	2-pin connector, blue, in gearbox
T2cg	2-pin connector, blue, in gearbox
T2ch	2-pin connector, blue, in gearbox
T2cj	2-pin connector, black, in gearbox
T2ck	2-pin connector, black, in gearbox
T14a	14-pin connector, black, on gearbox
T52	52-pin connector

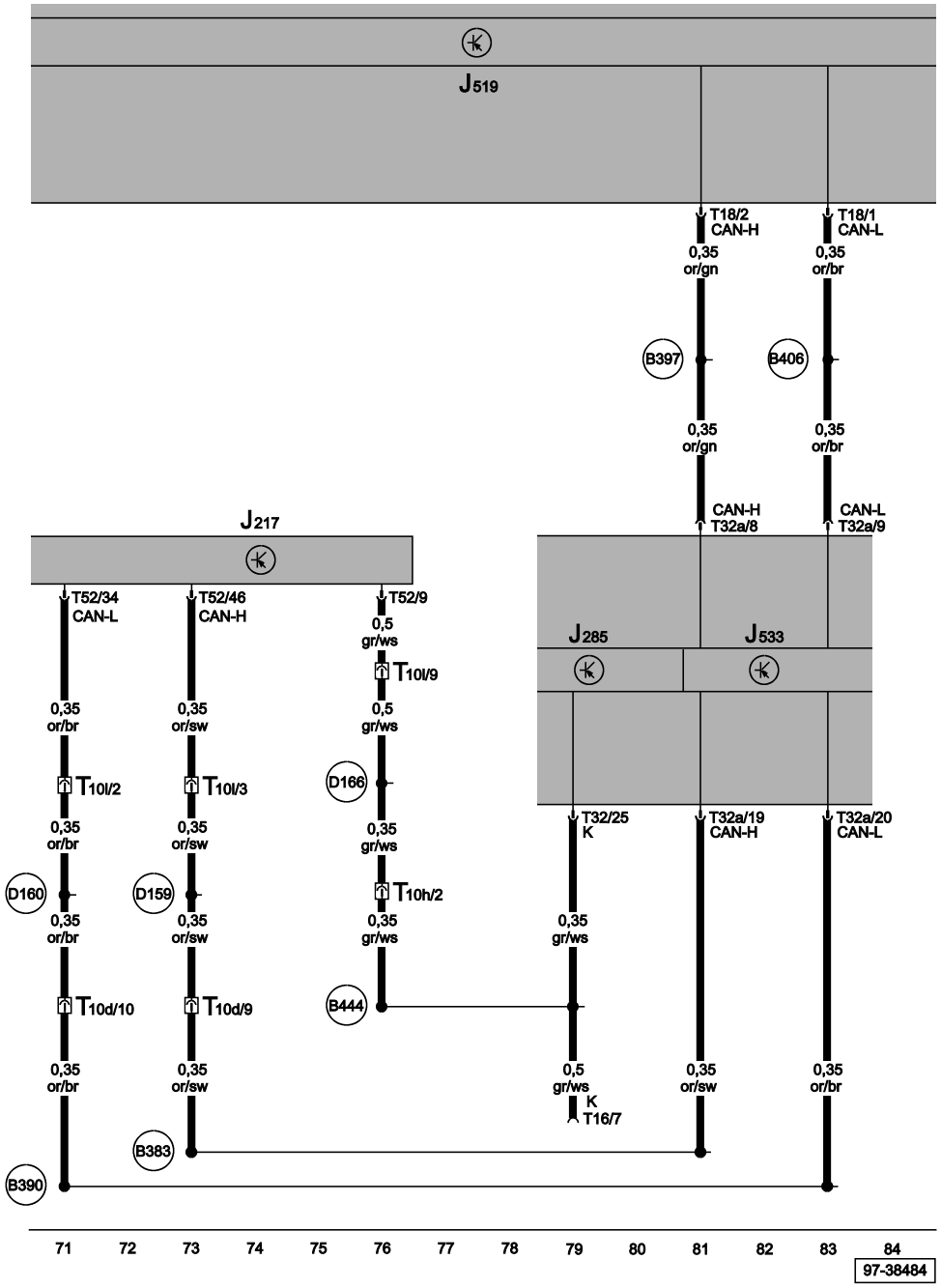
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
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Automatic gearbox control unit, selector lever lock solenoid, Tiptronic switch, selector lever gate detector switch, gearshift indicator control unit

F189	Tiptronic switch
F257	Selector lever gate detector switch
J98	Gearshift indicator control unit
J217	Automatic gearbox control unit
J519	Onboard supply control unit
N110	Selector lever lock solenoid
SB35	Fuse 35 on fuse holder B
SC15	Fuse 15 on fuse holder C
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10an	10-pin connector, black
T10ao	10-pin connector, brown
T52	52-pin connector
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	applicable from January 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, control unit in dash panel insert, data bus diagnostic interface

J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
T52	52-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness

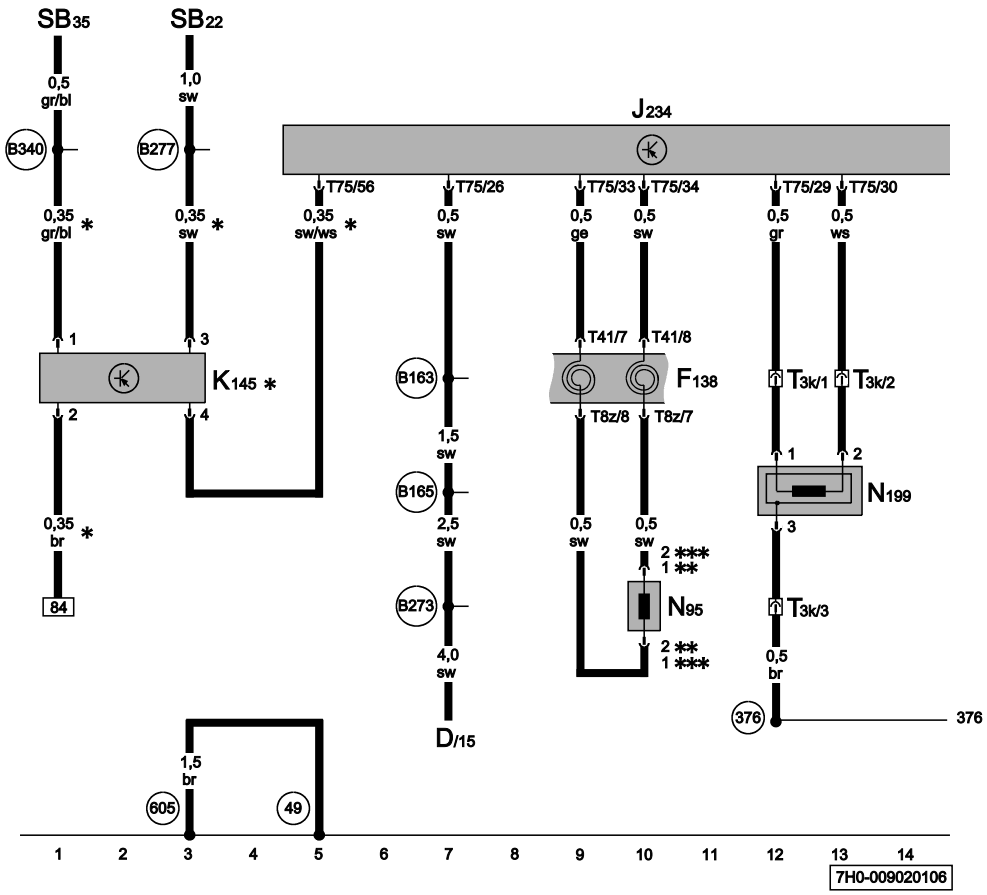
Airbag systems

⇒ **Driver and front passenger airbag**
⇒ **Belt tensioner**
⇒ **Side airbag**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

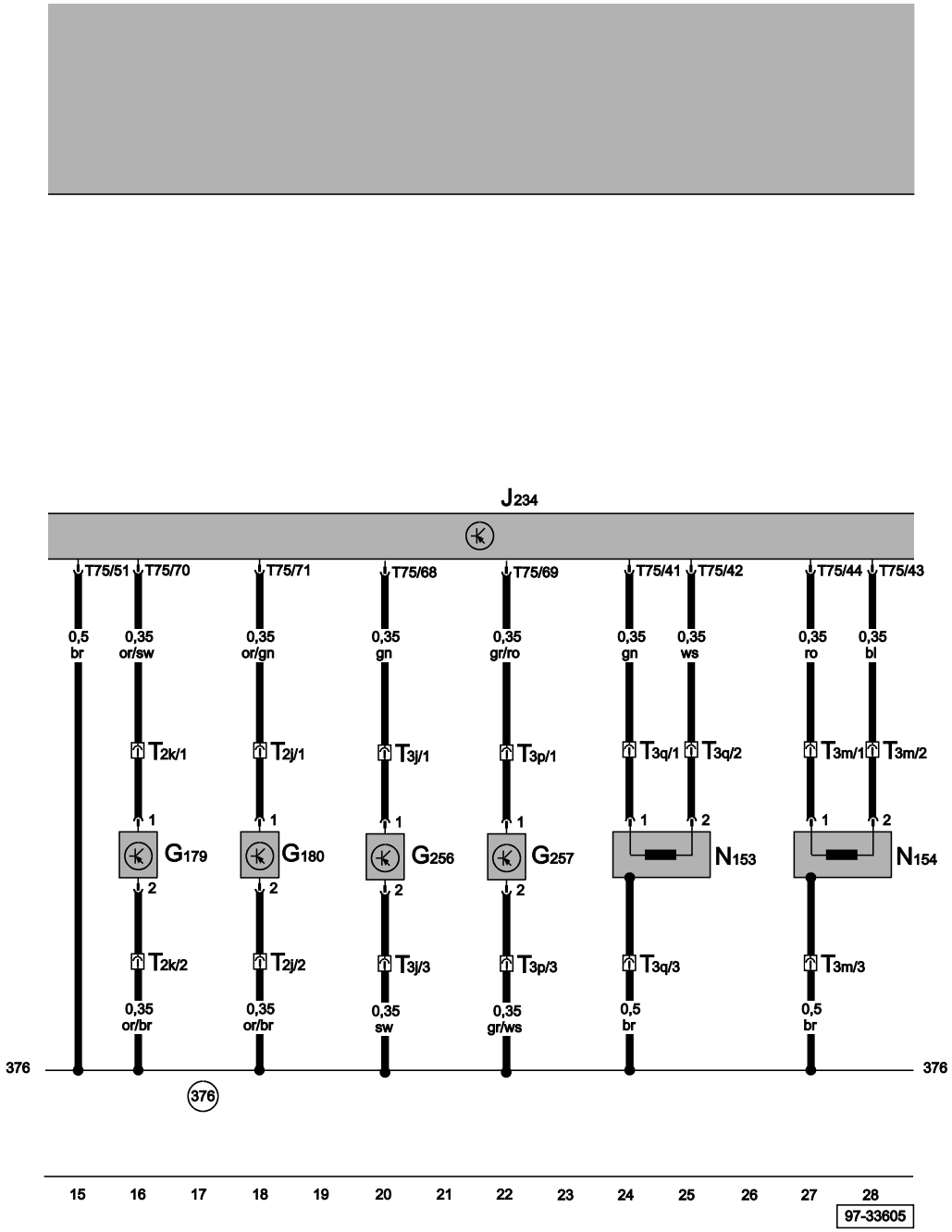
⇒ guided fault finding



ws = white
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Airbag control unit, airbag coil connector and return spring with slip ring, airbag igniters, front passenger side airbag deactivated warning lamp

D	Ignition/starter switch
F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
N95	Driver side airbag igniter
N199	Side airbag igniter on driver side
SB22	Fuse 22 on fuse holder B
SB35	Fuse 35 on fuse holder B
T3k	3-pin connector, yellow, under driver seat
T8z	8-pin connector, yellow, in steering wheel
T41	41-pin connector
T75	75-pin connector
49	Earth point, near bulkhead
376	Earth connection 11, in main wiring harness
605	Earth point, on top end of steering column
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only
**	for models without multifunction steering wheel only
***	for models with multifunction display only



Airbag control unit, side airbag crash sensors, belt tensioner igniter

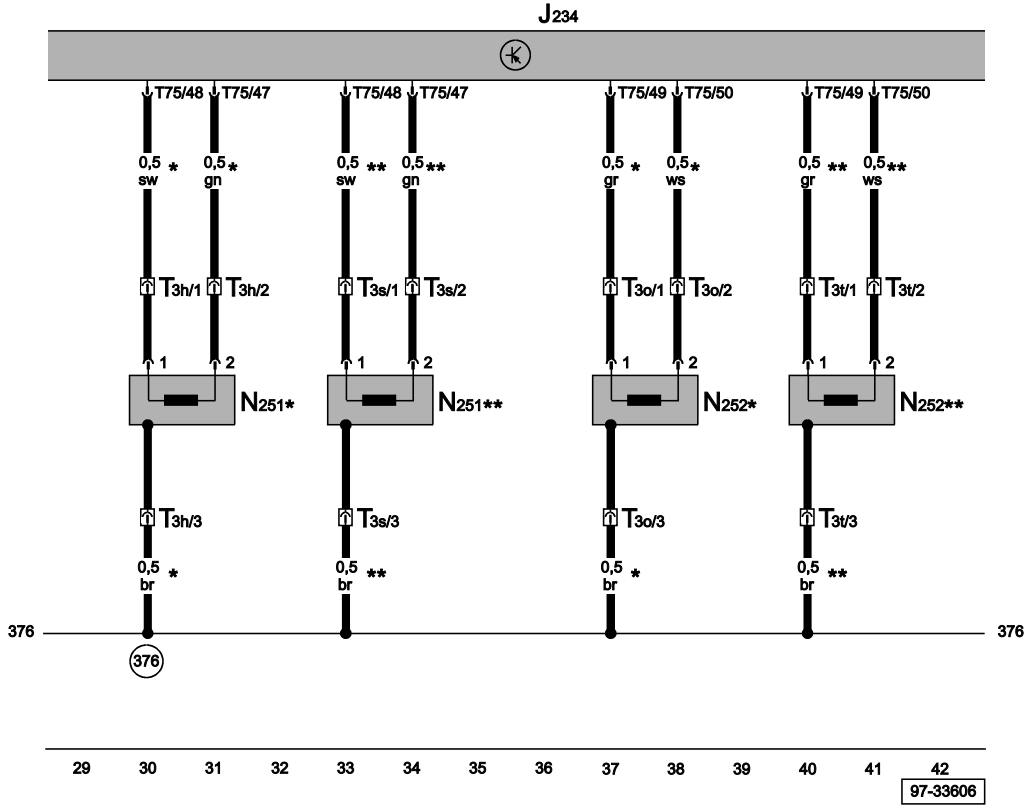
G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 1
T2j	2-pin connector, yellow, coupling station under front passenger seat
T2k	2-pin connector, yellow, under driver seat
T3j	3-pin connector, yellow, coupling station under driver seat
T3m	3-pin connector, yellow, coupling station under front passenger seat
T3p	3-pin connector, yellow, coupling station under front passenger seat
T3q	3-pin connector, yellow, coupling station under driver seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness

ws	=	white
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rs	=	pink



Airbag control unit, curtain airbag igniter

J234	Airbag control unit
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T3h	3-pin connector, yellow, coupling station under driver seat
T3o	3-pin connector, yellow, coupling station under front passenger seat
T3s	3-pin connector, yellow, coupling station on left of A-pillar
T3t	3-pin connector, yellow, coupling station on left of A-pillar
T75	75-pin connector
376	Earth connection 11, in main wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	For plank bed vehicles/ double cab only

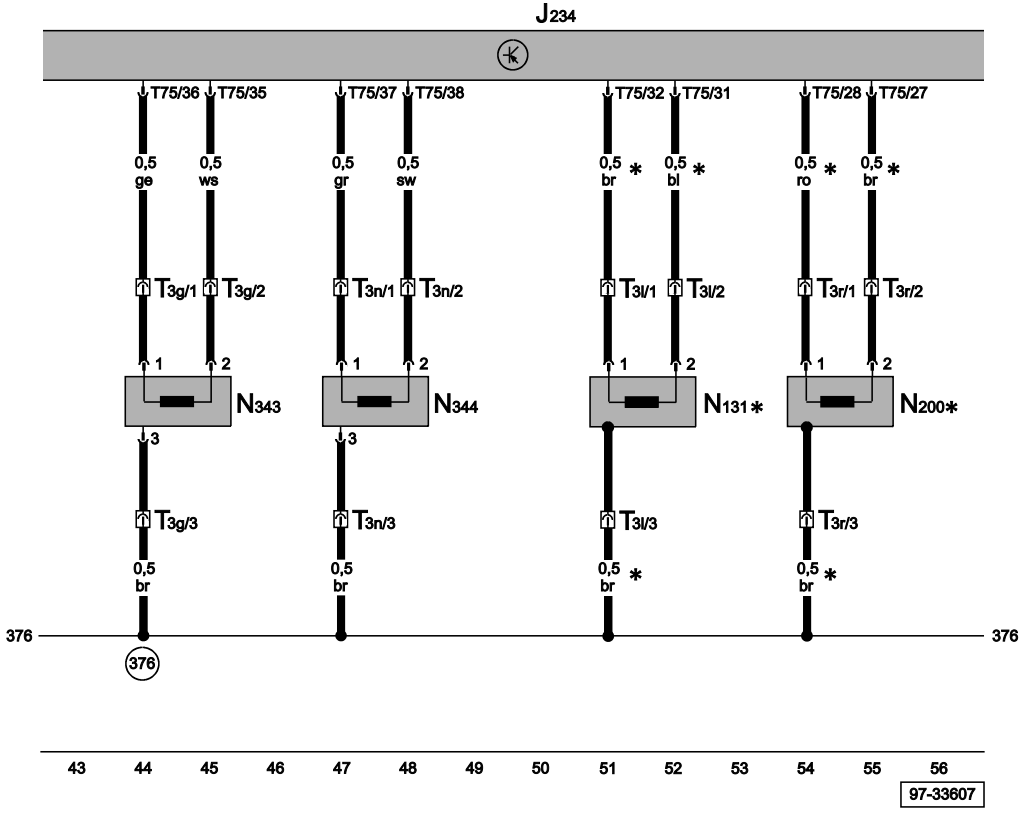


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sw	=	black
ro	=	red
br	=	brown
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gr	=	grey
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Airbag control unit, airbag igniter

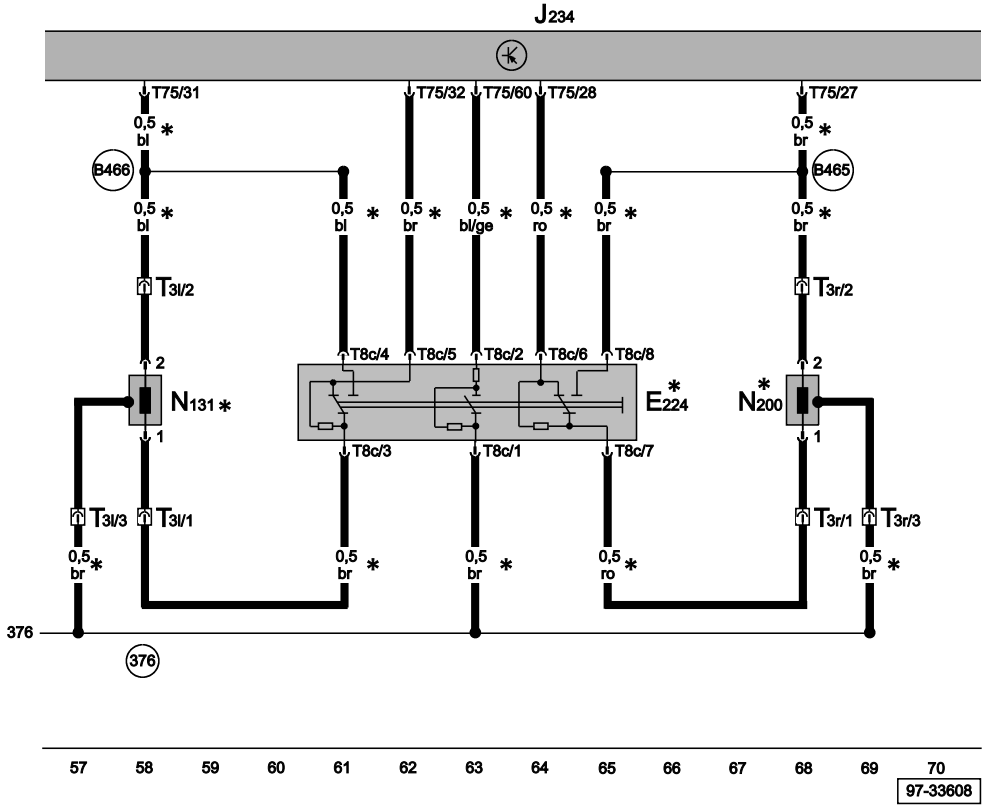
J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
N343	Driver side curtain airbag rear igniter
N344	Front passenger side curtain airbag rear igniter
T3g	3-pin connector, yellow, coupling station under driver seat
T3l	3-pin connector, yellow, behind the glove compartment
T3n	3-pin connector, yellow, coupling station under front passenger seat
T3r	3-pin connector, yellow, coupling station under front passenger seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
*	for models without key operated switch to deactivate front passenger side airbag only



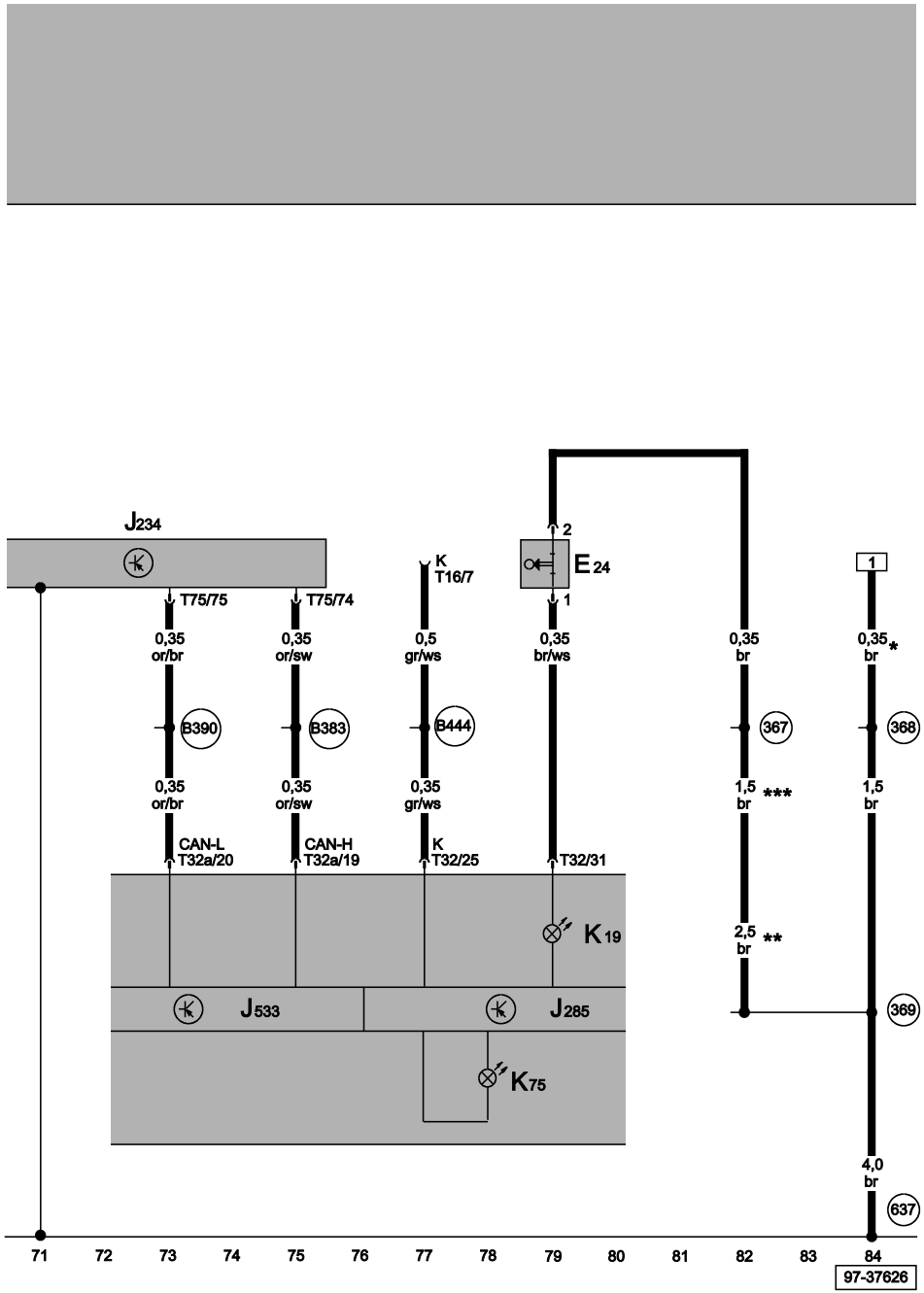
ws = white
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Airbag control unit, key operated switch to deactivate front passenger airbag, airbag igniter

E224	Key operated switch to deactivate front passenger side airbag
J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
T3l	3-pin connector, yellow, behind the glove compartment
T3r	3-pin connector, yellow, coupling station under front passenger seat
T8c	8-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
B465	Connection 1 in main wiring harness
B466	Connection 2 in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Airbag control unit, control unit in dash panel insert, warning lamps, driver side belt switch

E24	Driver side belt switch
J234	Airbag control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K19	Seat belt warning system warning lamp
K75	Airbag warning lamp
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
T75	75-pin connector
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only
**	applicable up to May 2003
***	applicable from June 2003

Servotronic

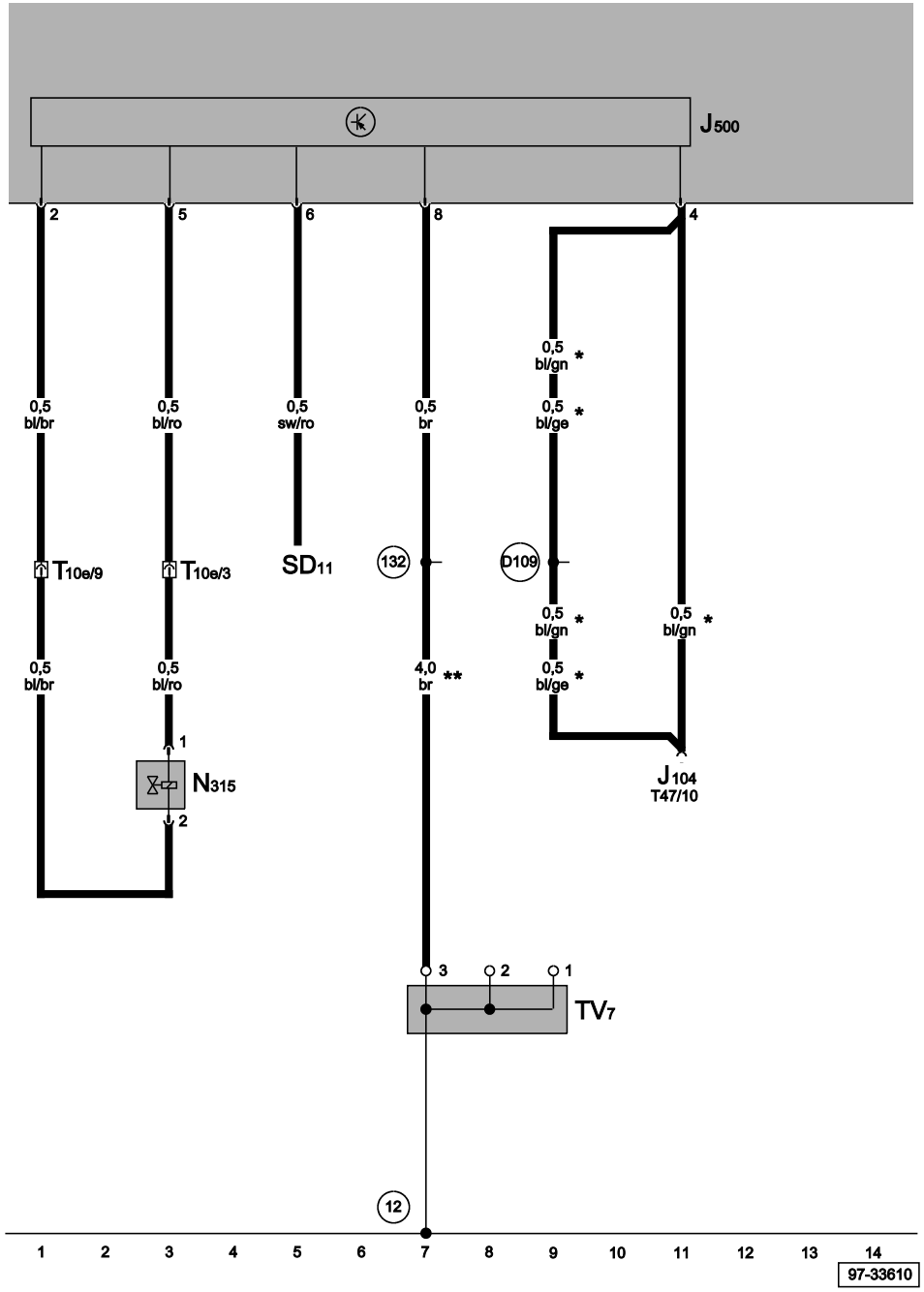
From March 2003

Notes!

Information concerning

- Relay locations and fuse assignment
- Multi-pin connections
- Control units and relays
- Earth points

⇒ Fitting locations overview!



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Power assisted steering control unit, power assisted steering hydraulic pressure valve

J104	ABS with EDL control unit
J500	Power steering control unit
N315	Power steering hydraulic pressure valve
SD11	Fuse -11- on fuse holder
T10e	10-pin connector, white, E-box coupling station in engine compartment
T47	47-pin connector
TV7	Terminal 31 junction
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
D109	Connection -7-, in engine compartment wiring harness
*	Equipment dependant
**	6.0 mm cross section for engine codes AXA, BDL, BDM

Climatronic

from March 2003

Notes:

For information concerning

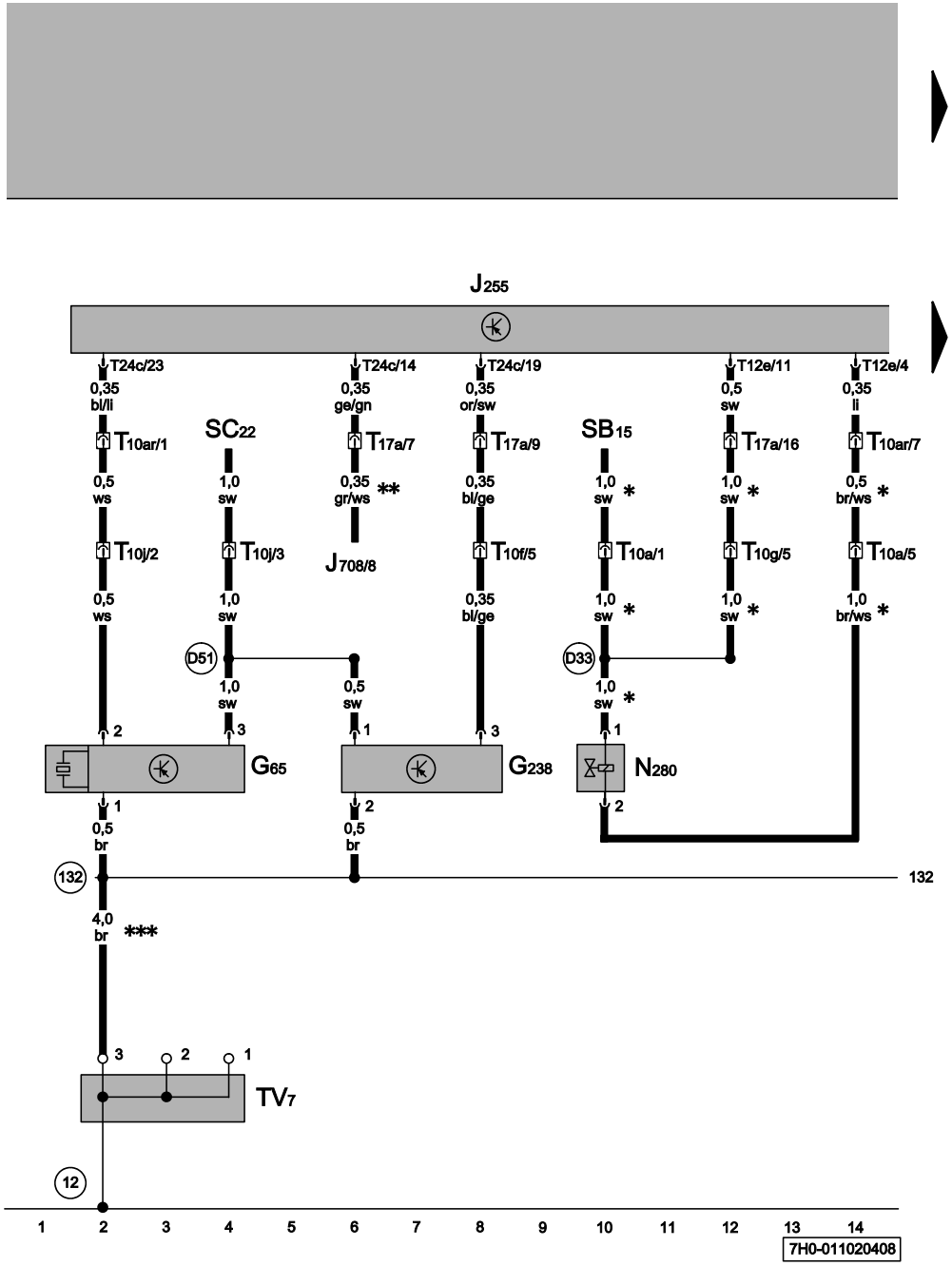
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

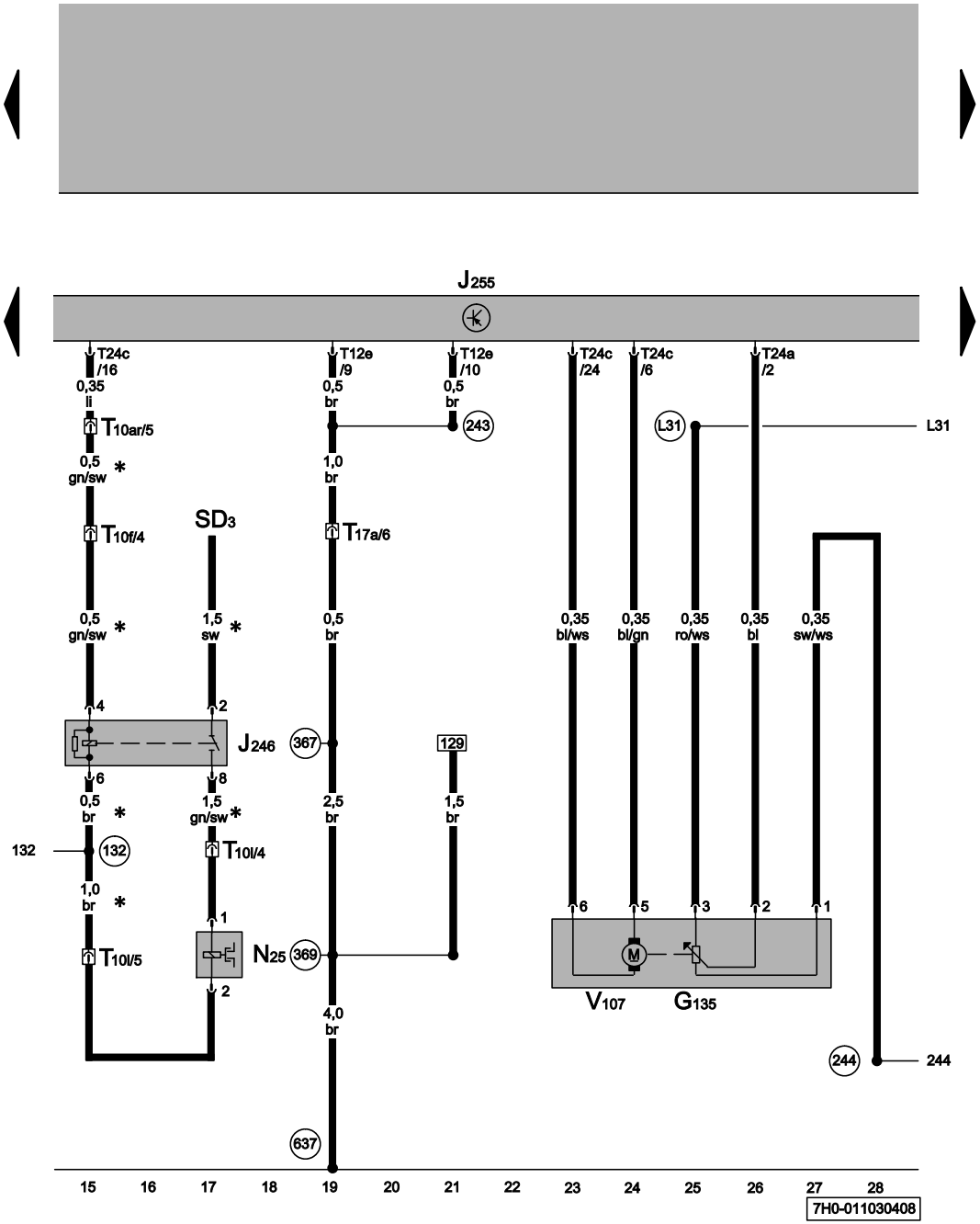
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Climatronic control unit, high-pressure sender, air quality sensor, compressor regulating valve, air conditioning system

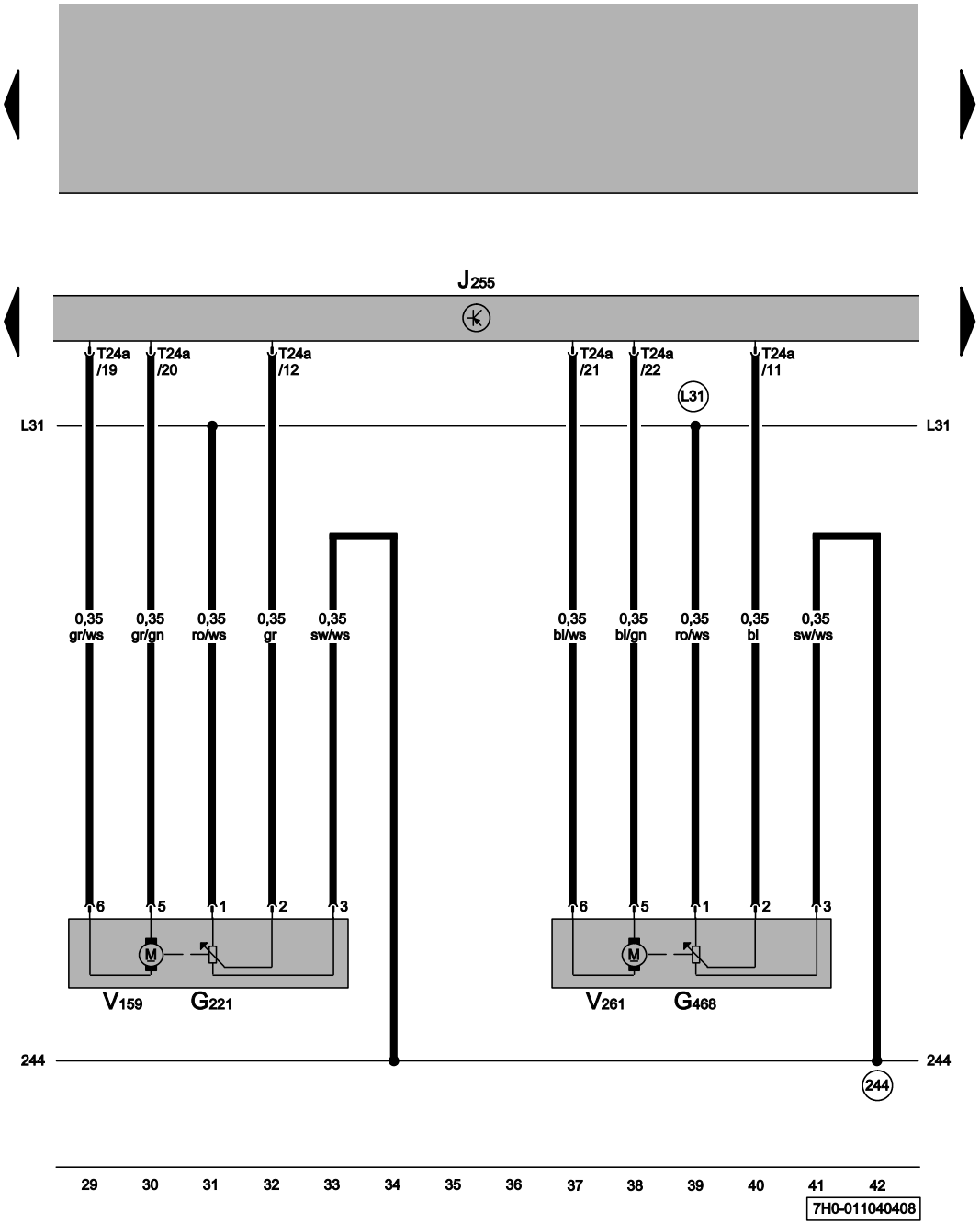
G65	High pressure sender
G238	Air quality sensor
J255	Climatronic control unit
J708	Residual heat relay
N280	Air conditioning system compressor regulating valve
SB15	Fuse 15 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
D33	Positive connection 2 (15), in engine wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with engine codes AXD, AXE only
**	function heater support when driving ⇒ auxiliary coolant heating Current Flow Diagram.
***	Cross-section 6.0 possible



ws = white
sw = black
ro = red
br = brown
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li = purple
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Climatronic control unit, cut-out relay for air conditioning system magnetic coupling, magnetic coupling, defroster flap control motor potentiometer, fuses

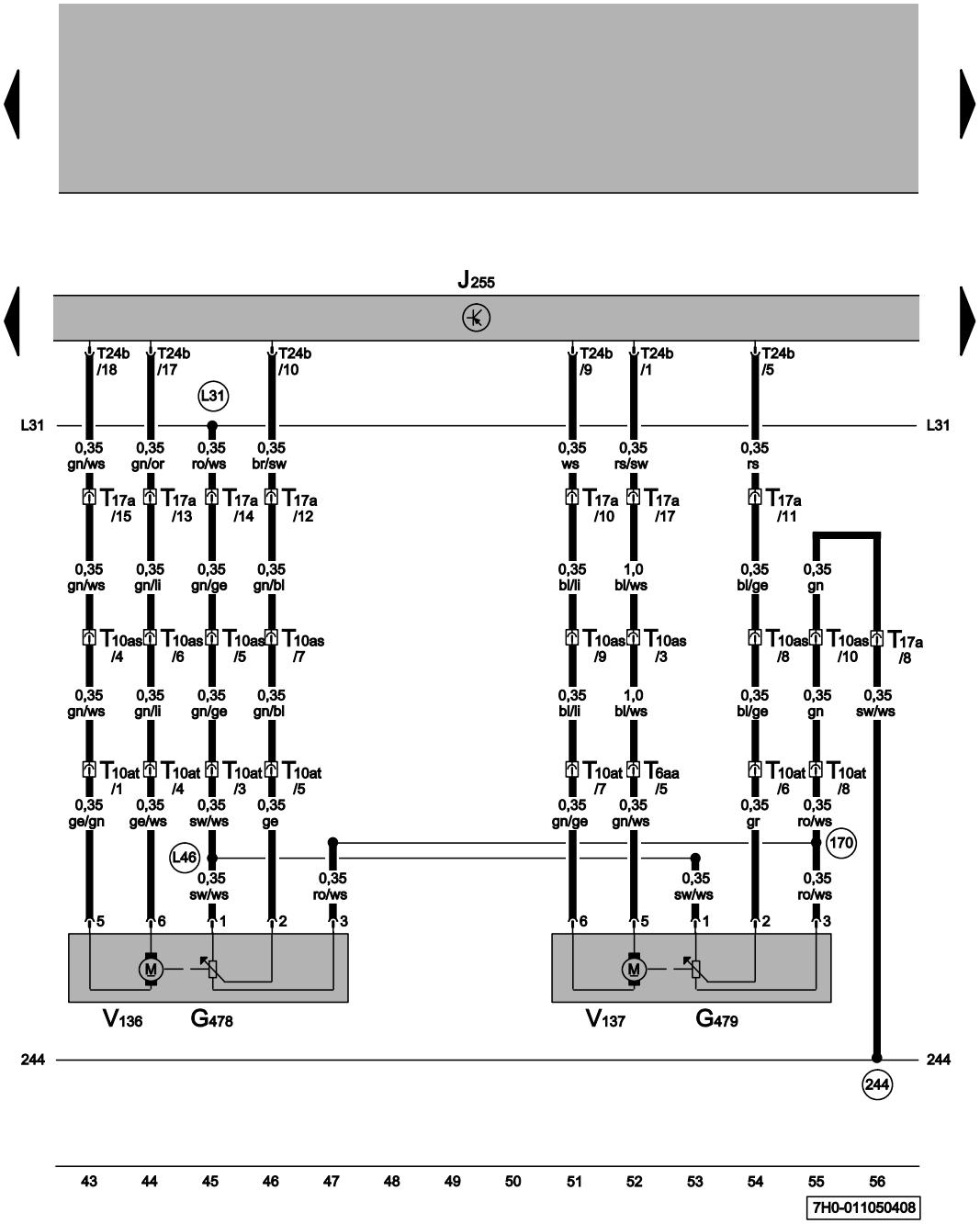
G135	Defroster flap control motor potentiometer
J246	Cut-out relay for air conditioning system magnetic coupling
J255	Climatronic control unit
N25	Air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24a	24-pin connector, black
T24c	24-pin connector, brown
V107	Defroster flap control motor
132	Earth connection 3, in engine compartment wiring harness
243	Earth connection 1, in Climatronic wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
L31	Connection (5V), in air conditioning system wiring harness
*	not for models with engine codes AXD and AXE only



Climatronic control unit, potentiometer for right temperature flap control motor, potentiometer for footwell vent control motor

G221	Potentiometer for right temperature flap control motor
G468	Potentiometer for footwell vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
V159	Right temperature flap control motor
V261	Footwell flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

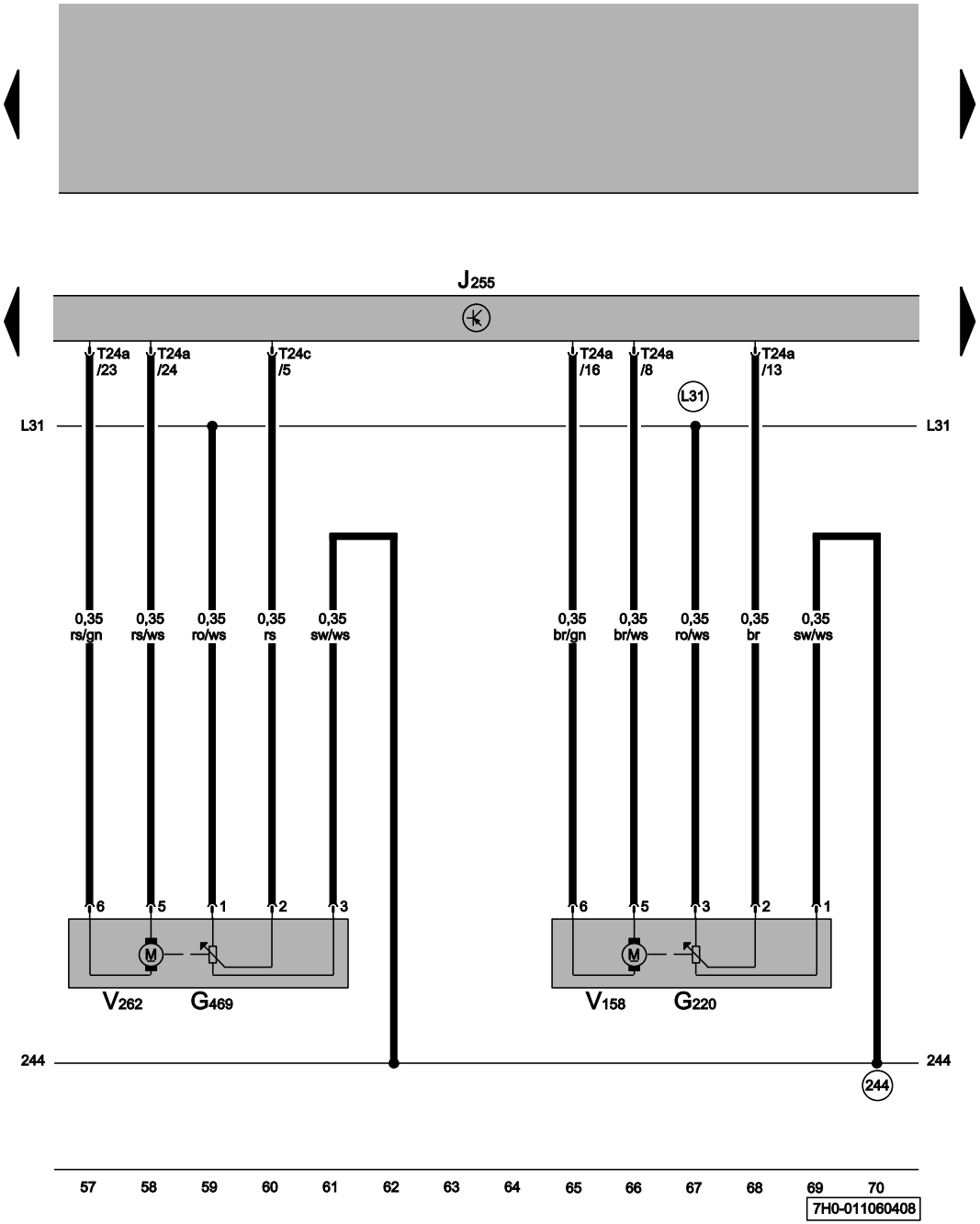
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J255	Climatronic control unit
T6aa	6-pin connector, purple, near second evaporator rear right
T10as	10-pin connector, yellow, coupling station under front passenger seat
T10at	10-pin connector, blue, near second evaporator rear right
T17a	17-pin connector, black, behind the glove box
T24b	24-pin connector, red
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

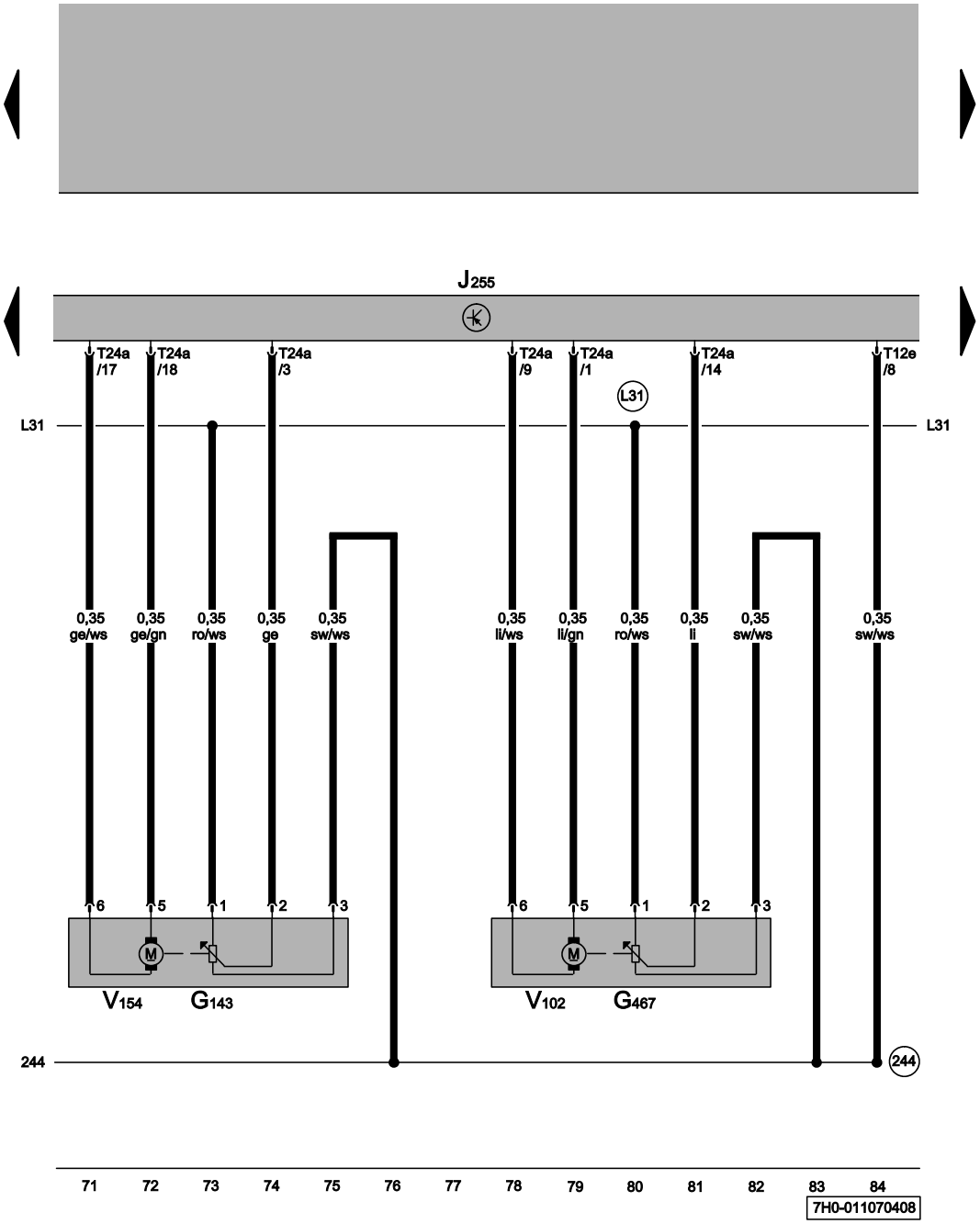
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for left temperature flap control motor, potentiometer for side vent control motor

G220	Potentiometer for left temperature flap control motor
G469	Potentiometer for side vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
T24c	24-pin connector, brown
V158	Left temperature flap control motor
V262	Side vent control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

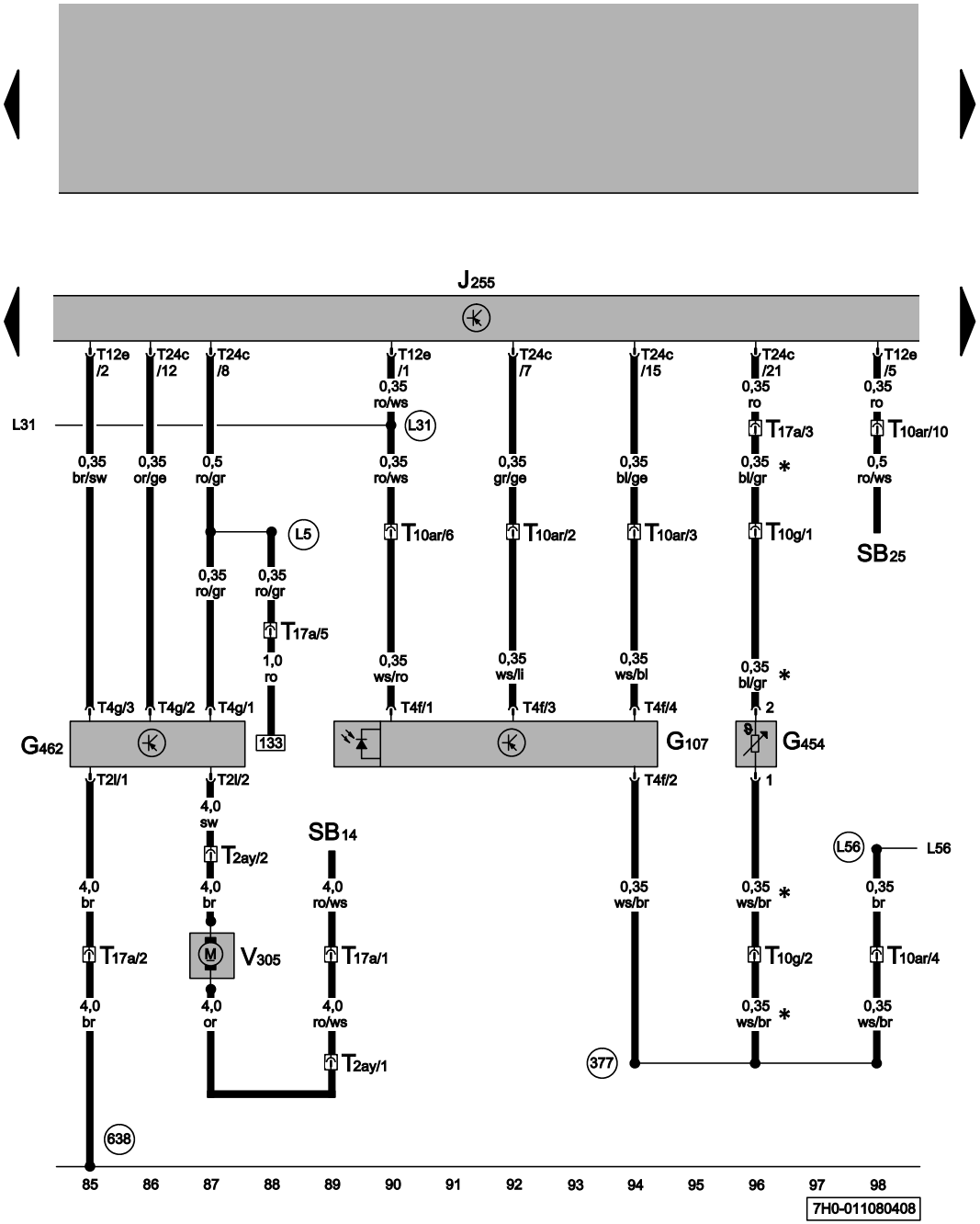
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for air recirculation flap control motor, potentiometer for centre vent control motor

G143	Air recirculation flap control motor potentiometer
G467	Potentiometer for centre vent control motor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
V102	Central vents control motor
V154	Fresh air/recirculated air flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

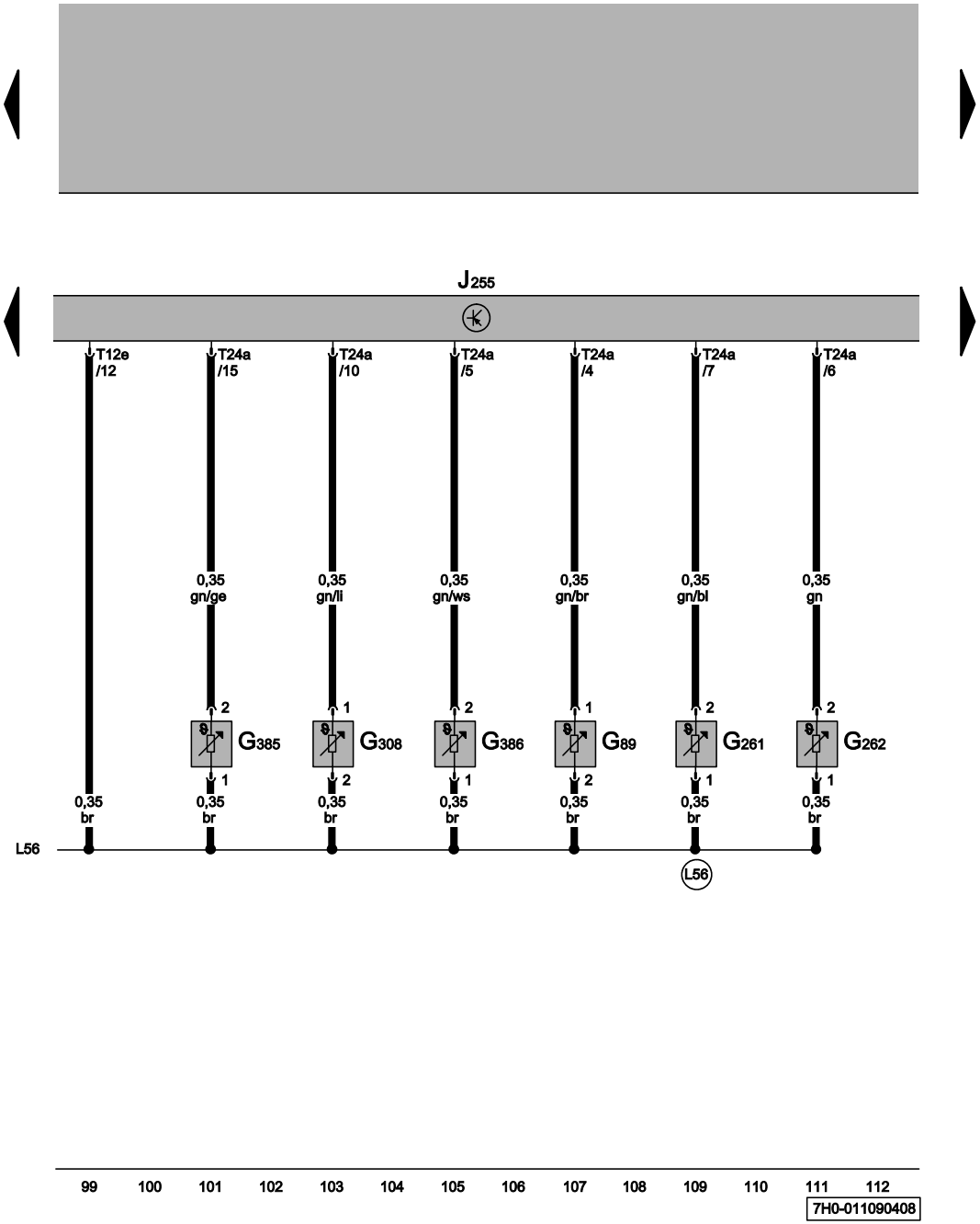
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gn	=	green
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Climatronic control unit, sender for front Bitron blower regulation, sunlight penetration photosensor, refrigerant temperature sender, motor for front Bitron blower regulation

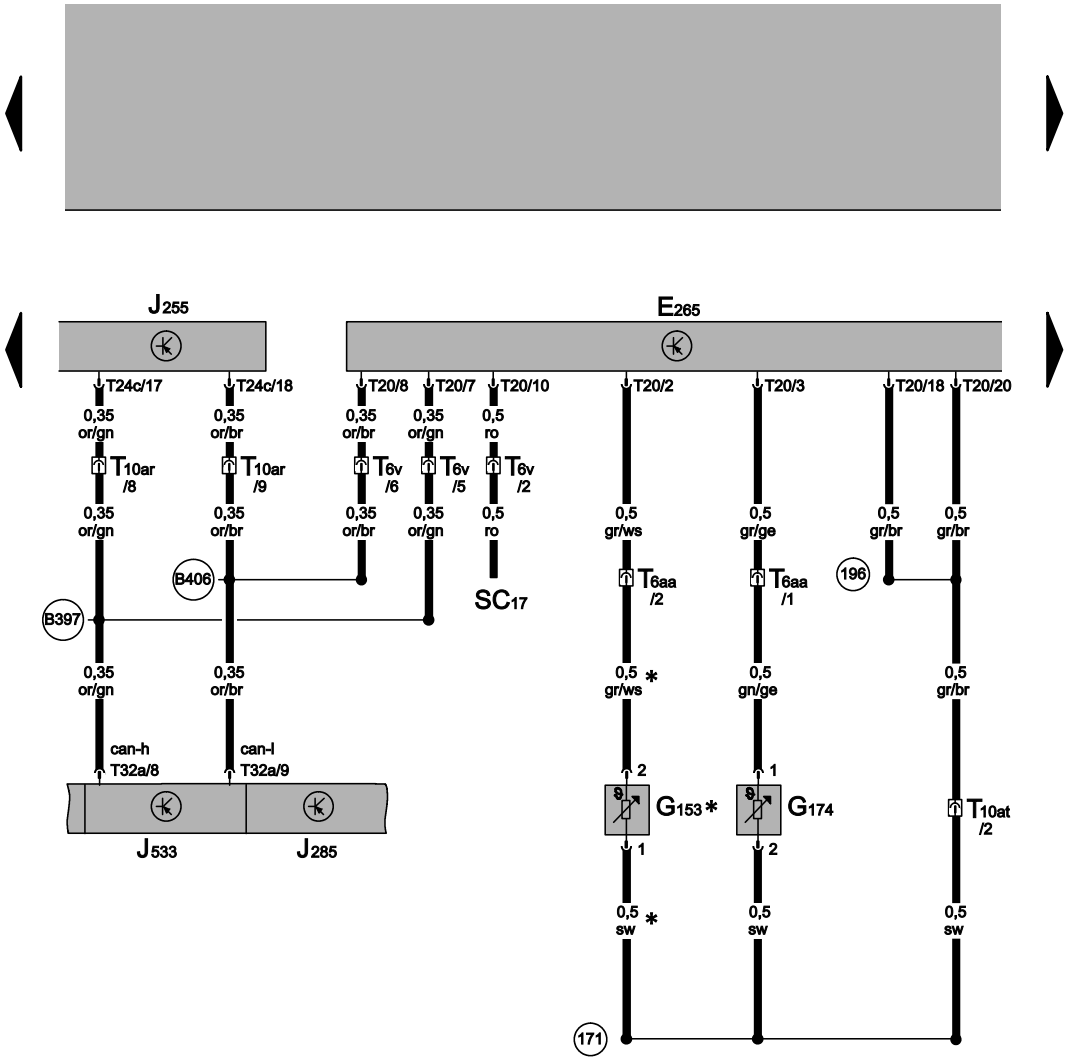
G107	Sunlight penetration photosensor
G454	Refrigerant temperature sender
G462	Front blower Bitron regulation sender
J255	Climatronic control unit
SB14	Fuse 14 on fuse holder B
SB25	Fuse 25 on fuse holder B
T2l	2-pin connector
T2ay	2-pin connector, black
T4f	4-pin connector, black
T4g	4-pin connector
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
V305	Front blower Bitron regulation motor
377	Earth connection 12, in main wiring harness
638	Earth point, right A-pillar
L5	Connection 1, in evaporator housing unit wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L56	Connection (sender), in Climatronic wiring harness
*	for models with engine codes AXD, AXE only



Climatronic control unit, fresh air intake duct temperature sensor, footwell vent temperature sender, evaporator temperature sensor, front chest vent temperature sensor

G89	Fresh air intake duct temperature sensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G308	Evaporator temperature sensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
L56	Connection (sender), in Climatronic wiring harness

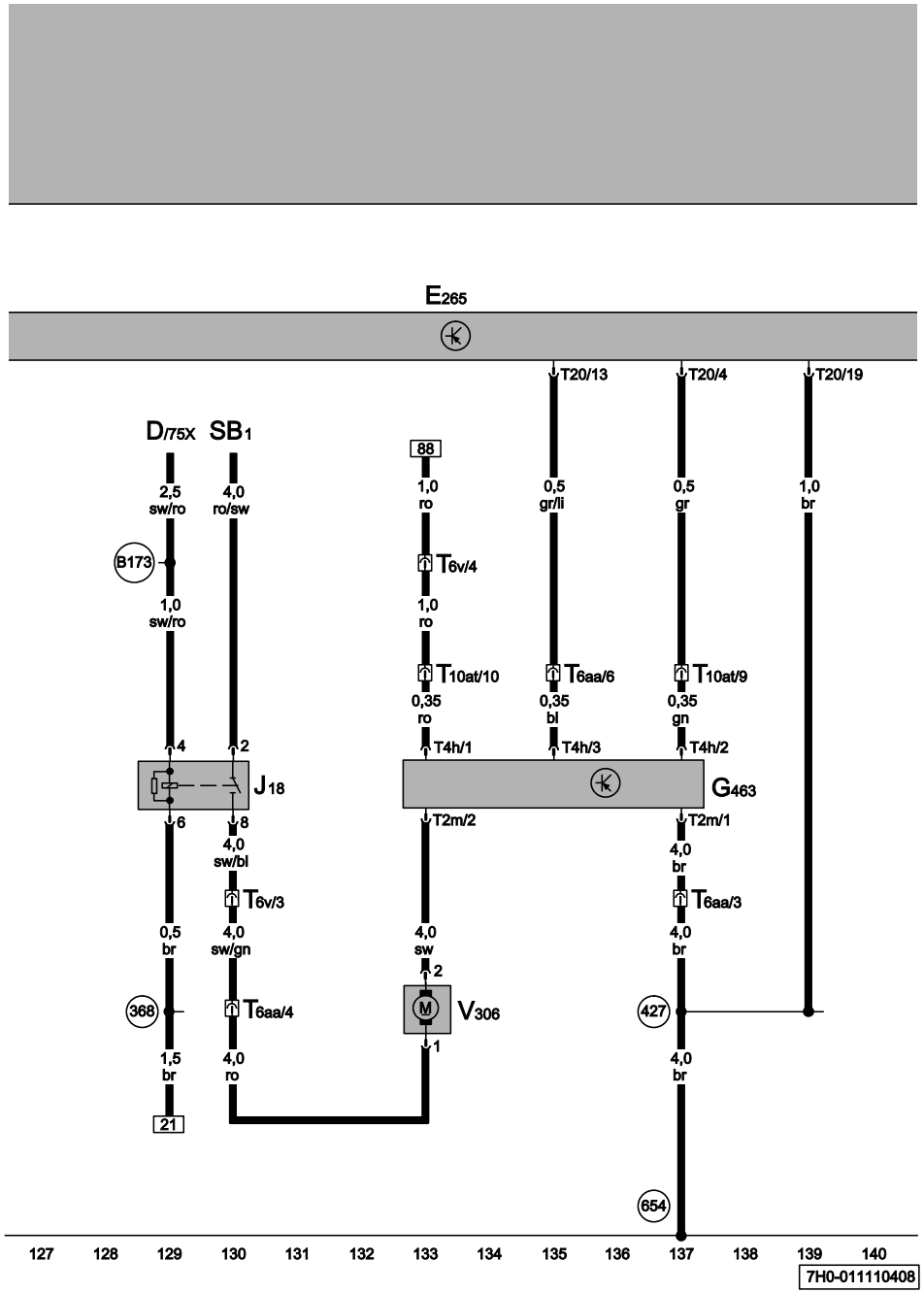
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear Climatronic operating and display unit, rear evaporator temperature sender, rear vent temperature sender

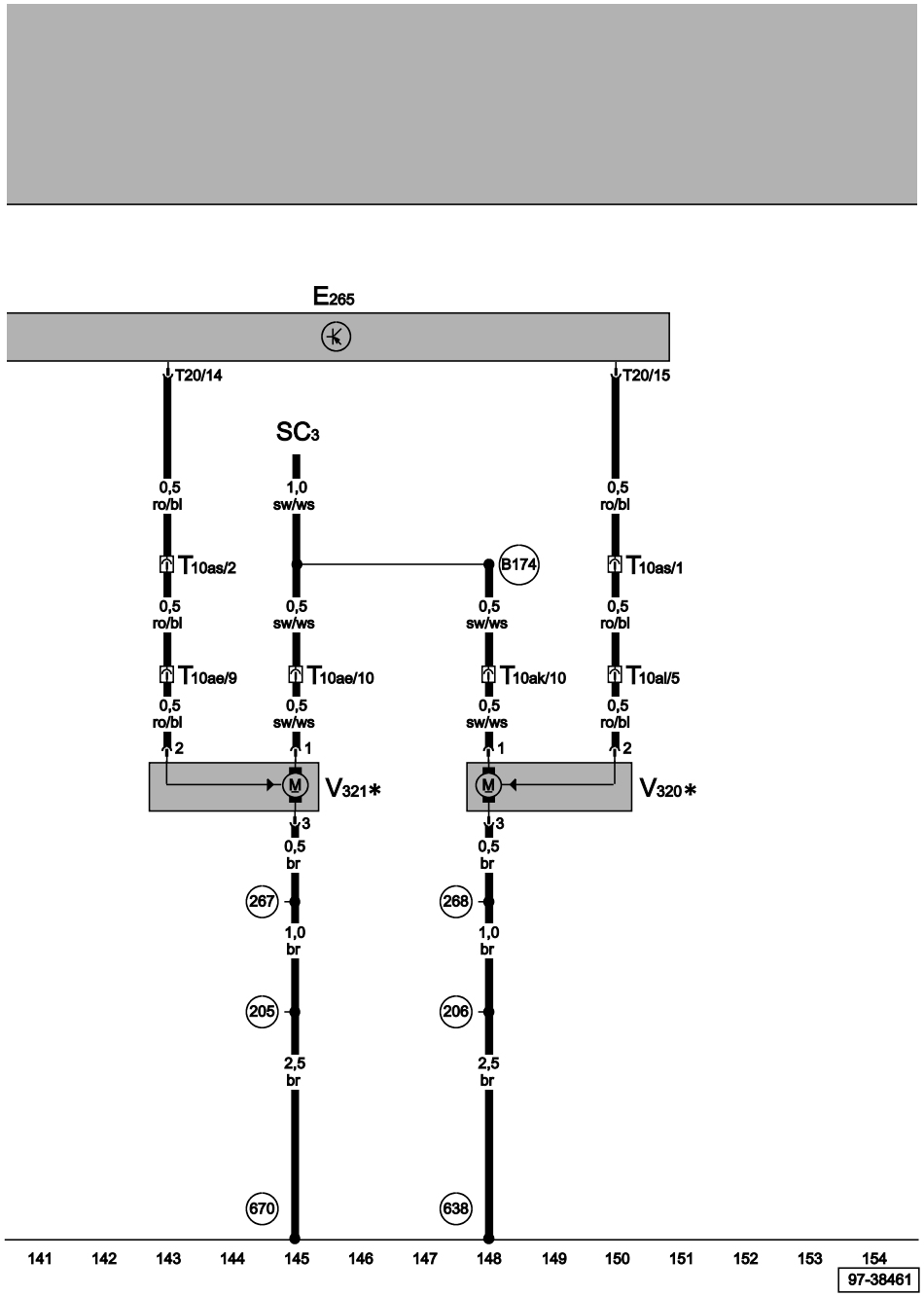
E265	Operating and display unit for rear Climatronic
G153	Rear evaporator temperature sender
G174	Rear vent temperature sender
J255	Climatronic control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC17	Fuse 17 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T10ar	10-pin connector, green, behind the glove box
T10at	10-pin connector, blue, near second evaporator rear right
T20	20-pin connector
T24c	24-pin connector, brown
T32a	32-pin connector, green
171	Earth connection 2, in Climatronic operating unit wiring harness
196	Earth connection 3, in rear wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	not with all levels of equipment



Rear Climatronic operating and display unit, rear blower Bitron regulation motor

D	Ignition/starter switch
E265	Operating and display unit for rear Climatronic
G463	Rear blower regulation sender
J18	X-contact relay
SB1	Fuse 1 on fuse holder B
T2m	2-pin connector
T4h	4-pin connector
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T10at	10-pin connector, blue, near second evaporator rear right
T20	20-pin connector
V306	Rear blower Bitron regulation motor
368	Earth connection 3, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for rear Climatronic, auxiliary blower

E265	Operating and display unit for rear Climatronic
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10as	10-pin connector, yellow, coupling station under front passenger seat
T20	20-pin connector
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
*	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

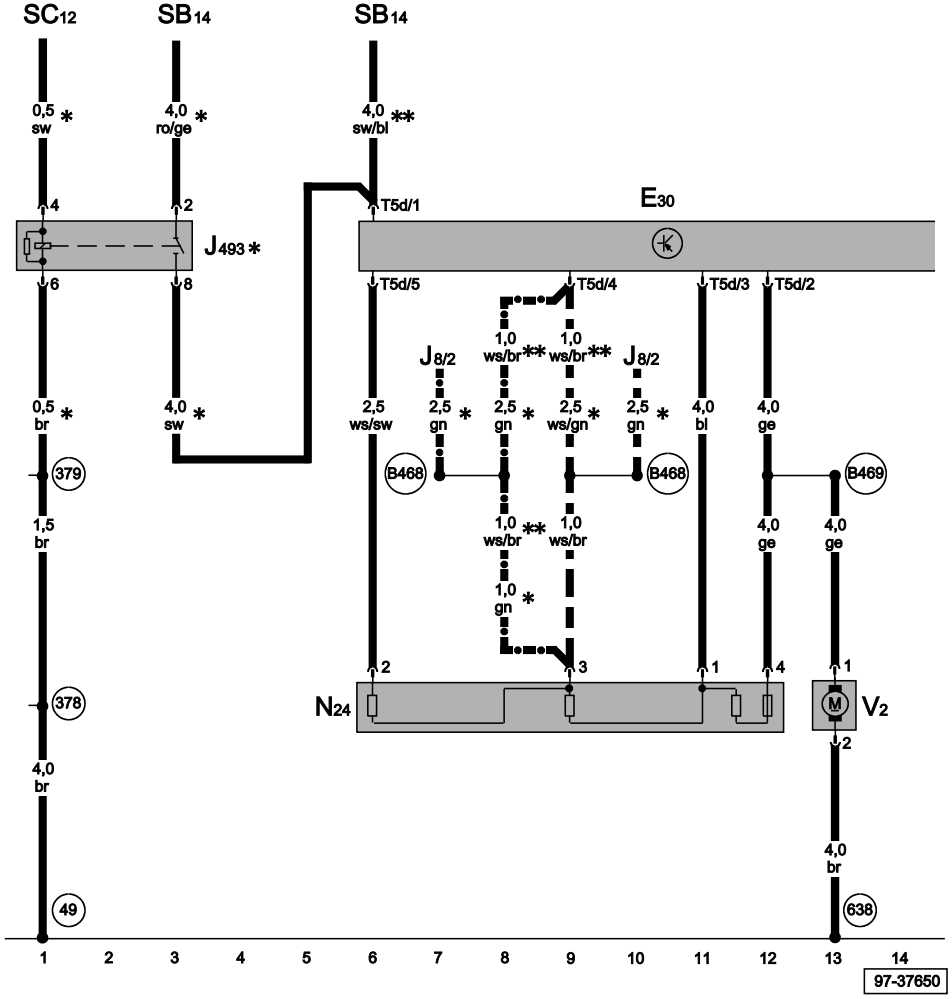
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **Engine codes AXD and AXE**
⇒ **Multivan, camper and shuttle vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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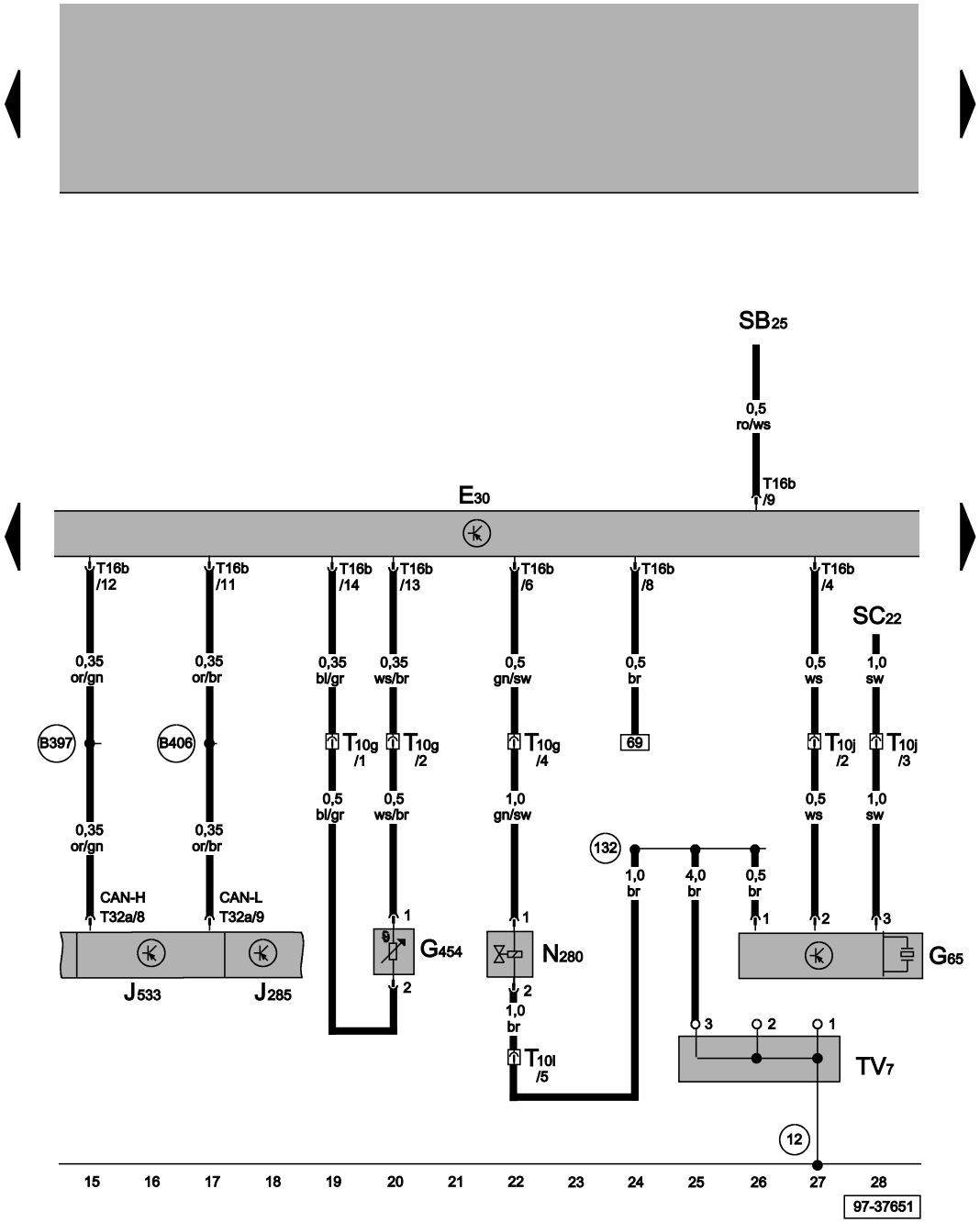
applicable from June 2003

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applicable up to May 2003

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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

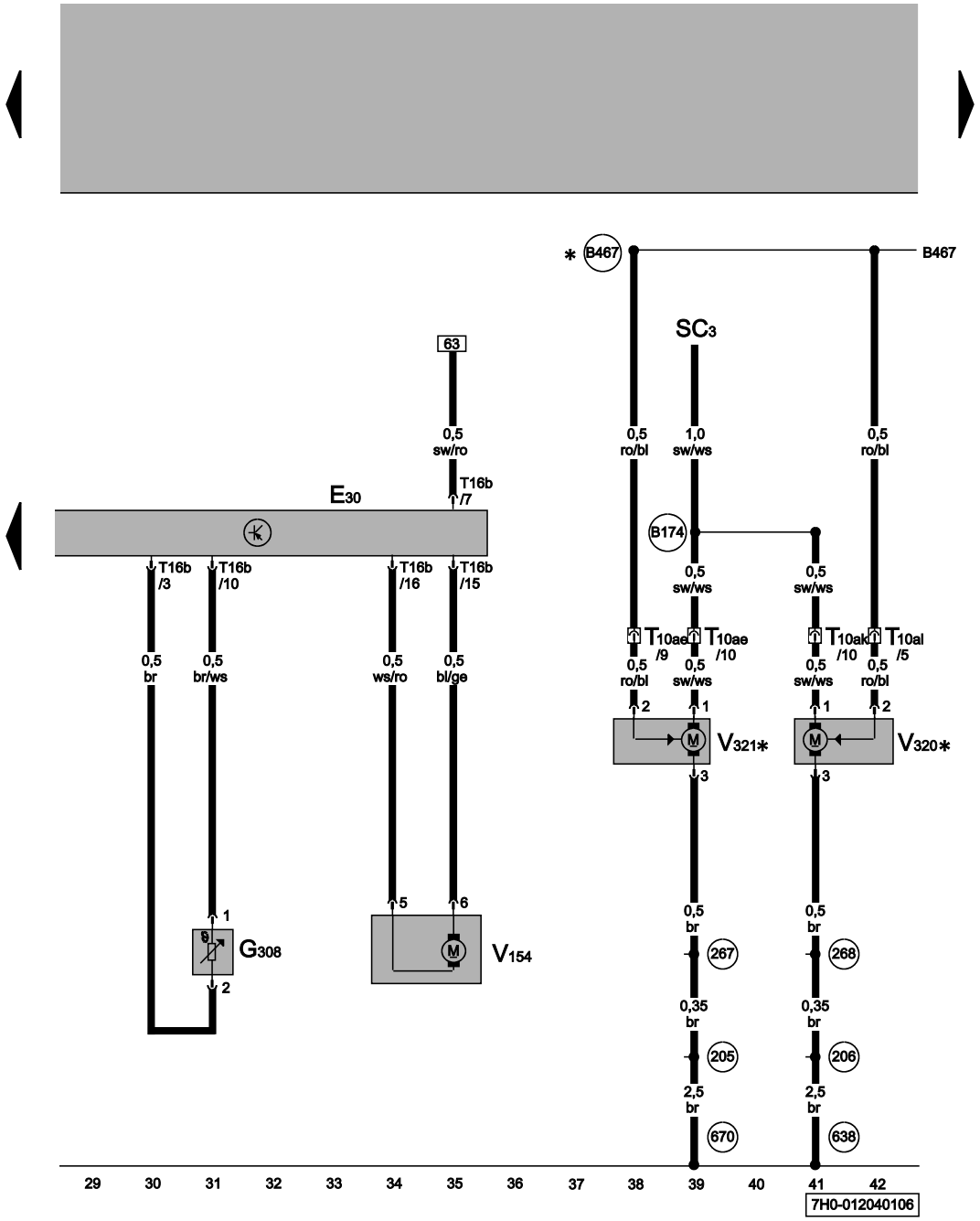
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ws = white
sw = black
ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

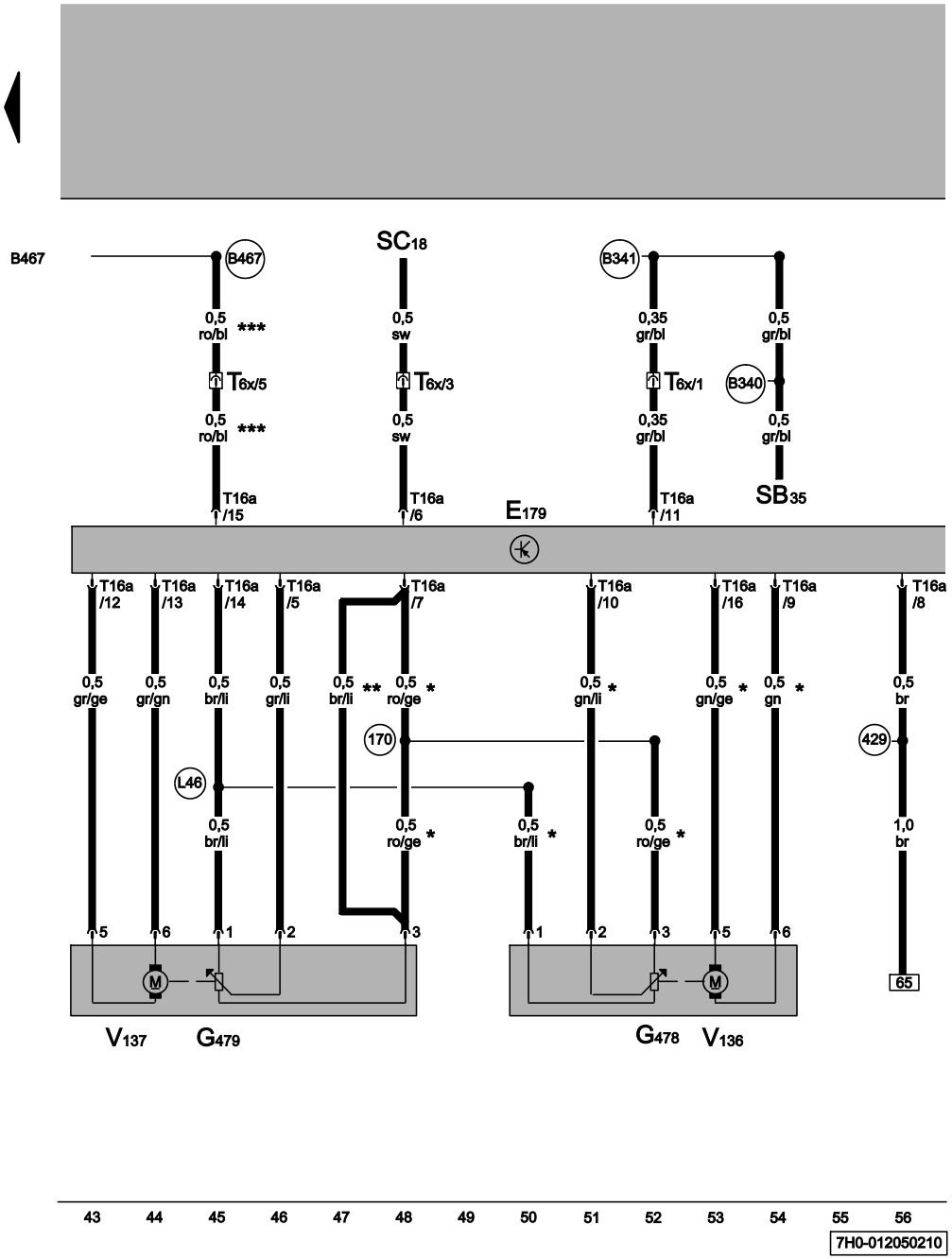
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



ws = white
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br = brown
gn = green
bl = blue
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Evaporator temperature sensor, fresh air and air recirculation flap control motor, auxiliary blower, air conditioning system switch

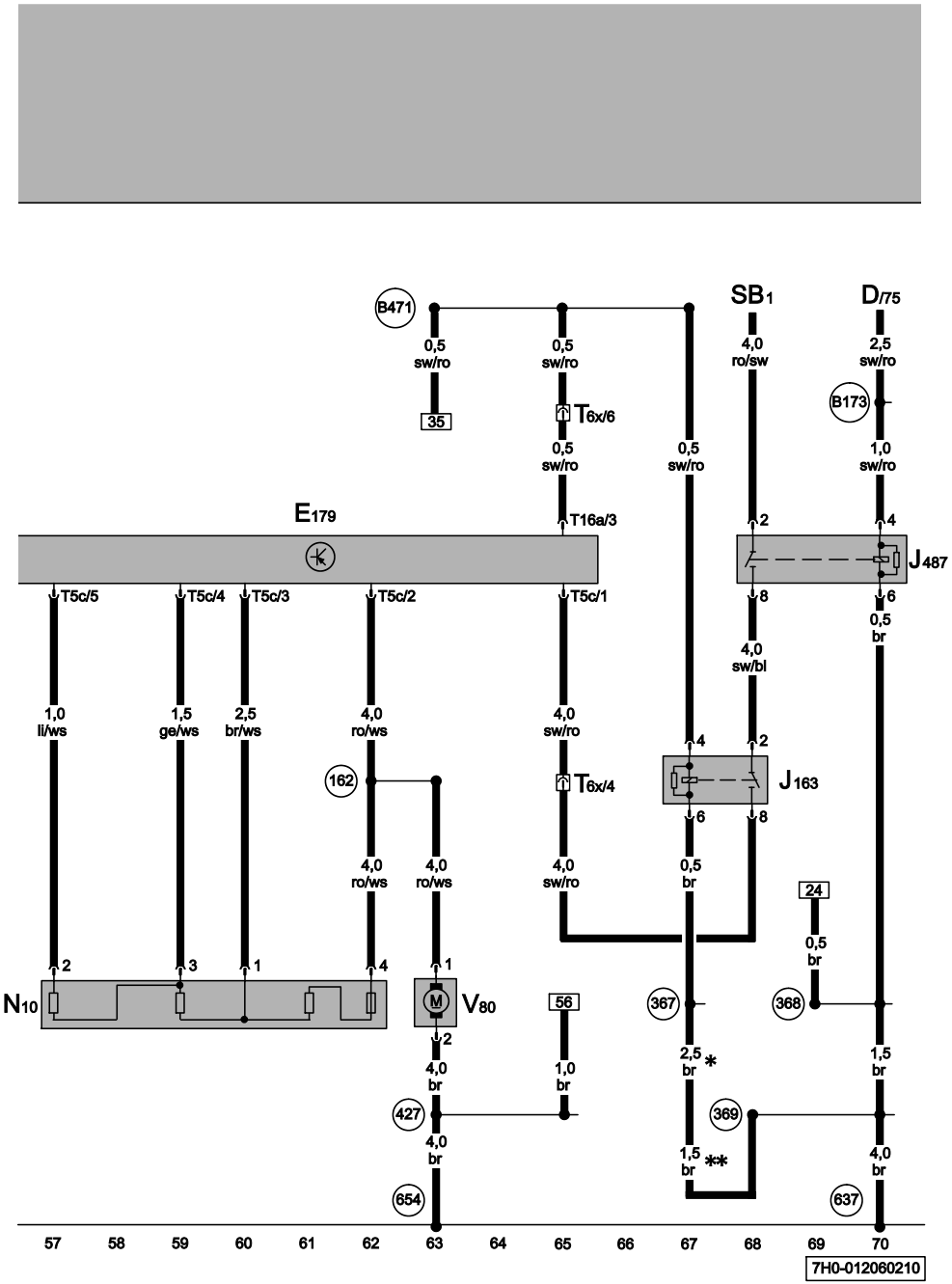
E30	Air conditioning system switch
G308	Evaporator temperature sensor
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	only models with auxiliary blower, in front doors



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models without rear air distribution control motor only
***	only models with auxiliary blower, in front doors

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, rear fresh air blower relay

D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B471	Connection 7 in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003

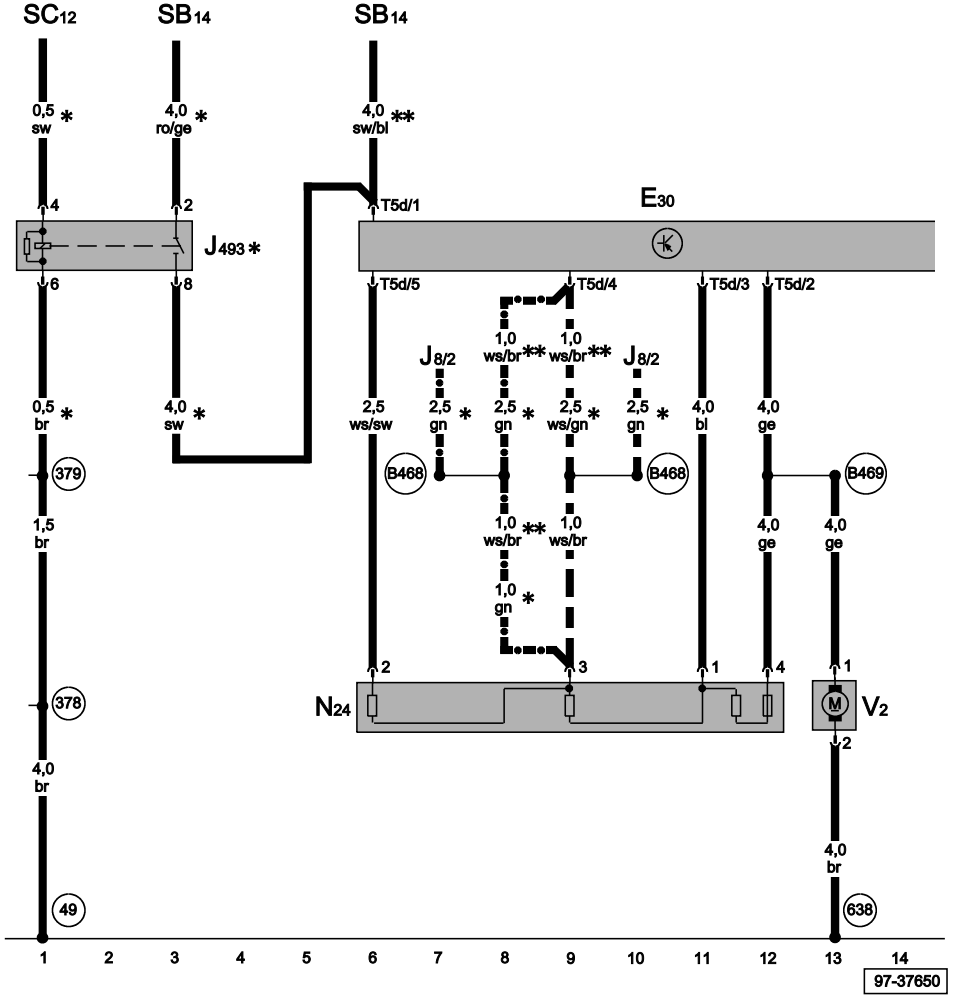
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **Engine codes AXD and AXE**
⇒ **Panel van, Kombi and Shuttle vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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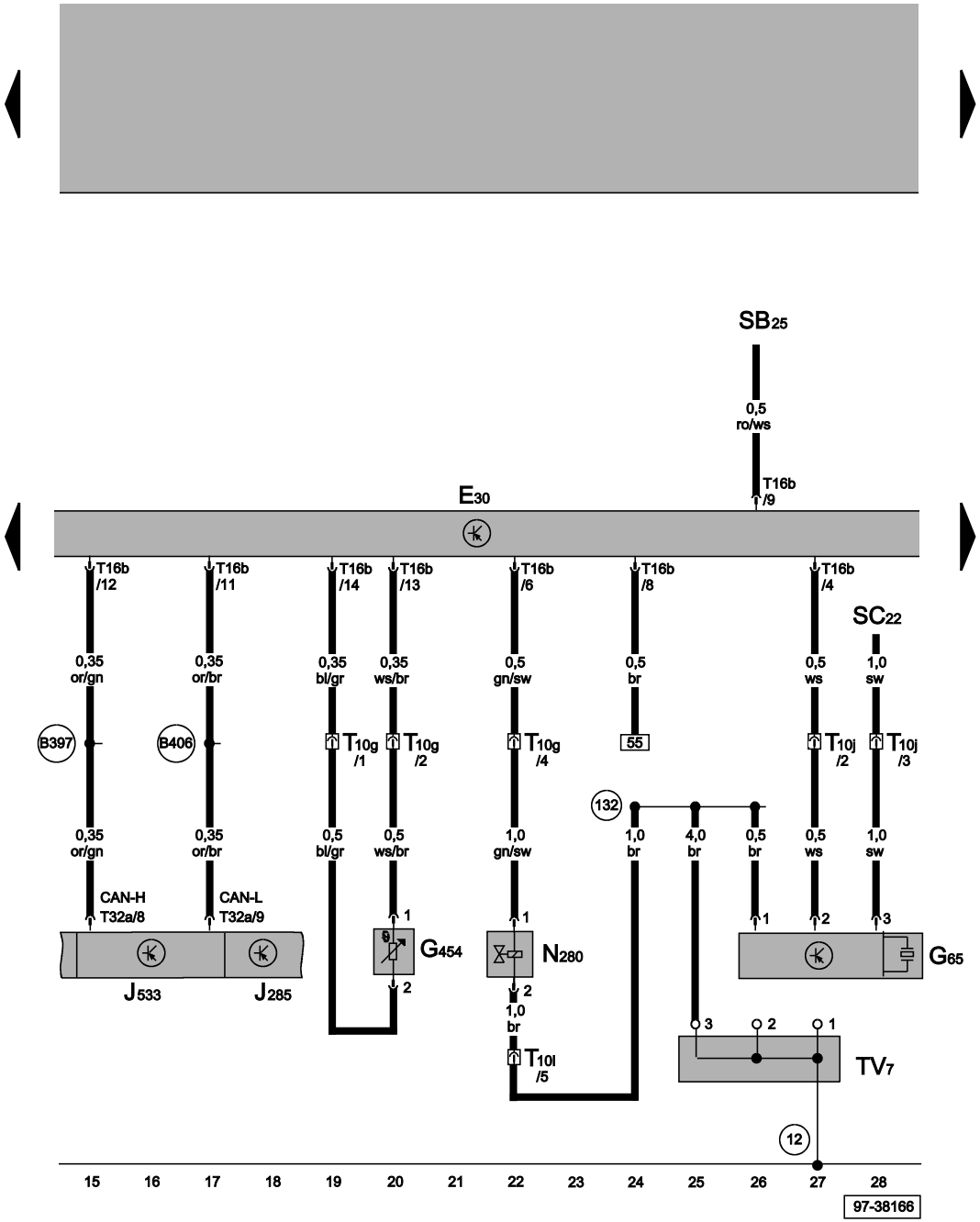
applicable from June 2003

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applicable up to May 2003

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or	=	orange
rs	=	pink

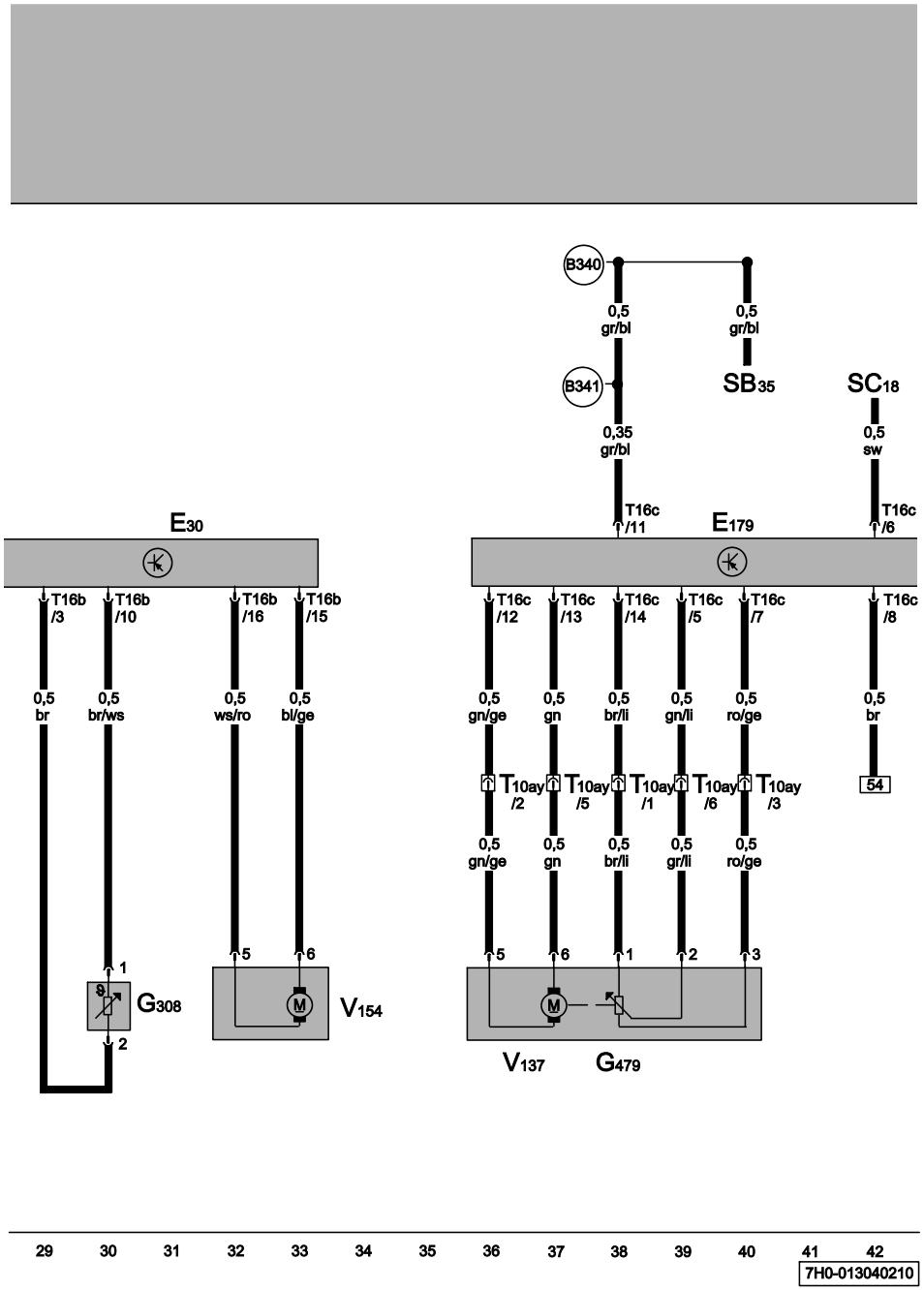
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioning system compressor regulating valve, data bus diagnostic interface, air conditioning system switch

E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

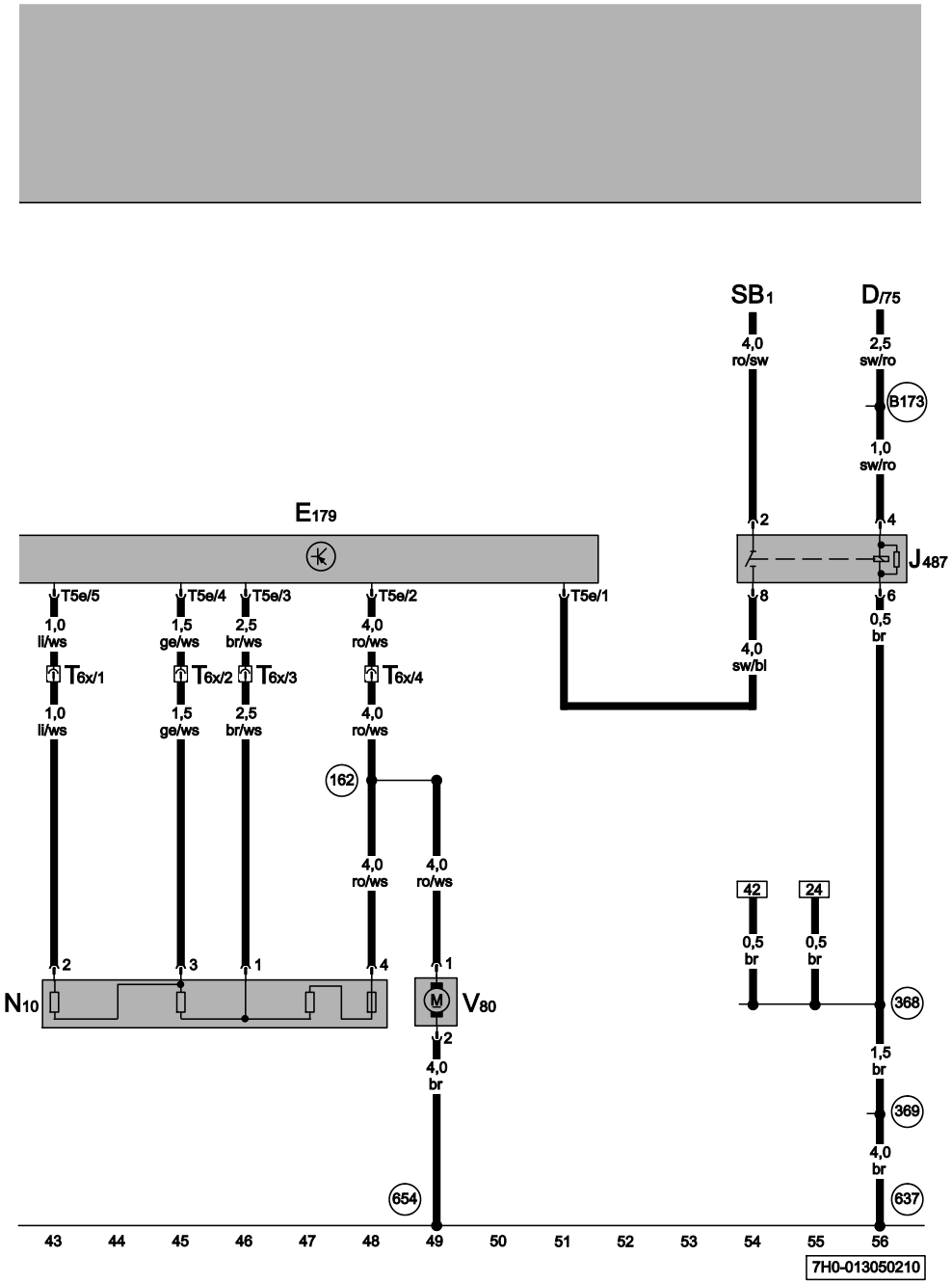


Evaporator temperature sensor, fresh air and air recirculation flap control motor, potentiometer for rear temperature flap motor, air conditioning system switch, rear fresh air blower switch

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V137	Rear temperature flap control motor
V154	Fresh air/recirculated air flap control motor
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **Engine codes AXD and AXE**

⇒ **Double cab-, Panel van-, Kombi-, and shuttle vehicles**

from March 2003

Notes:

For information concerning

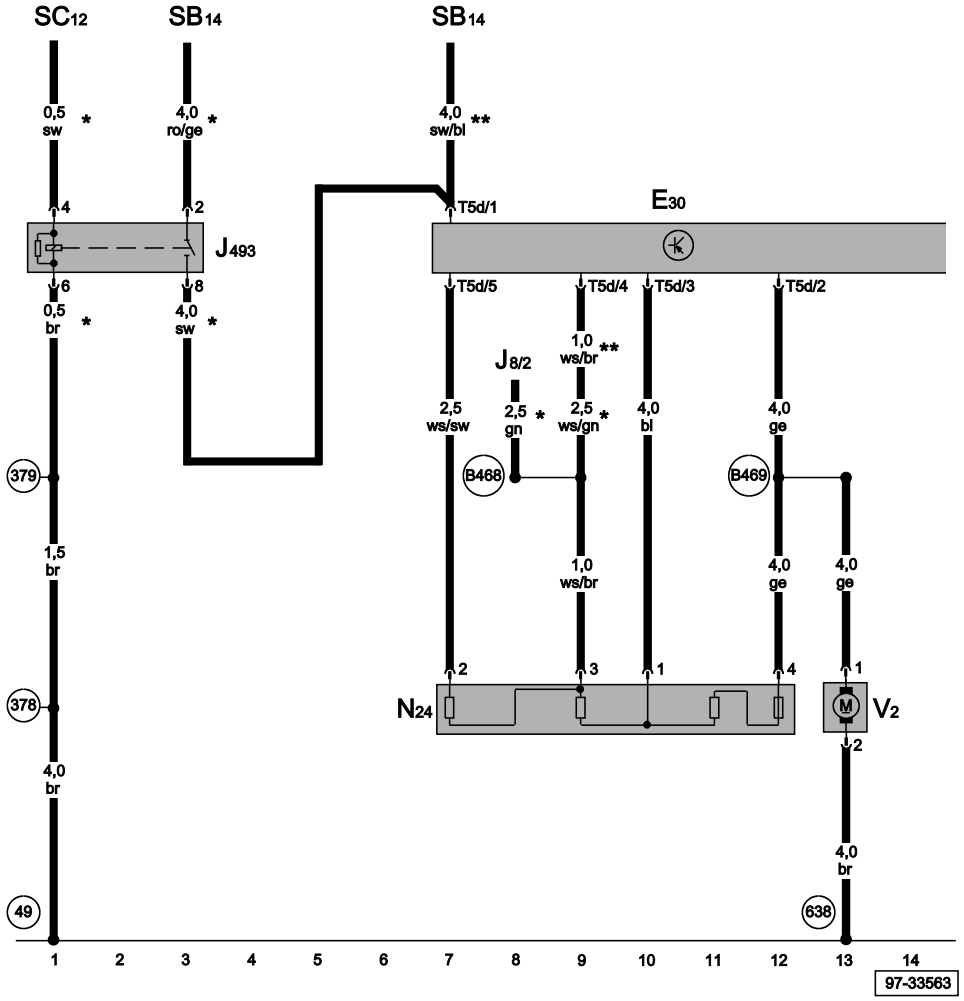
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

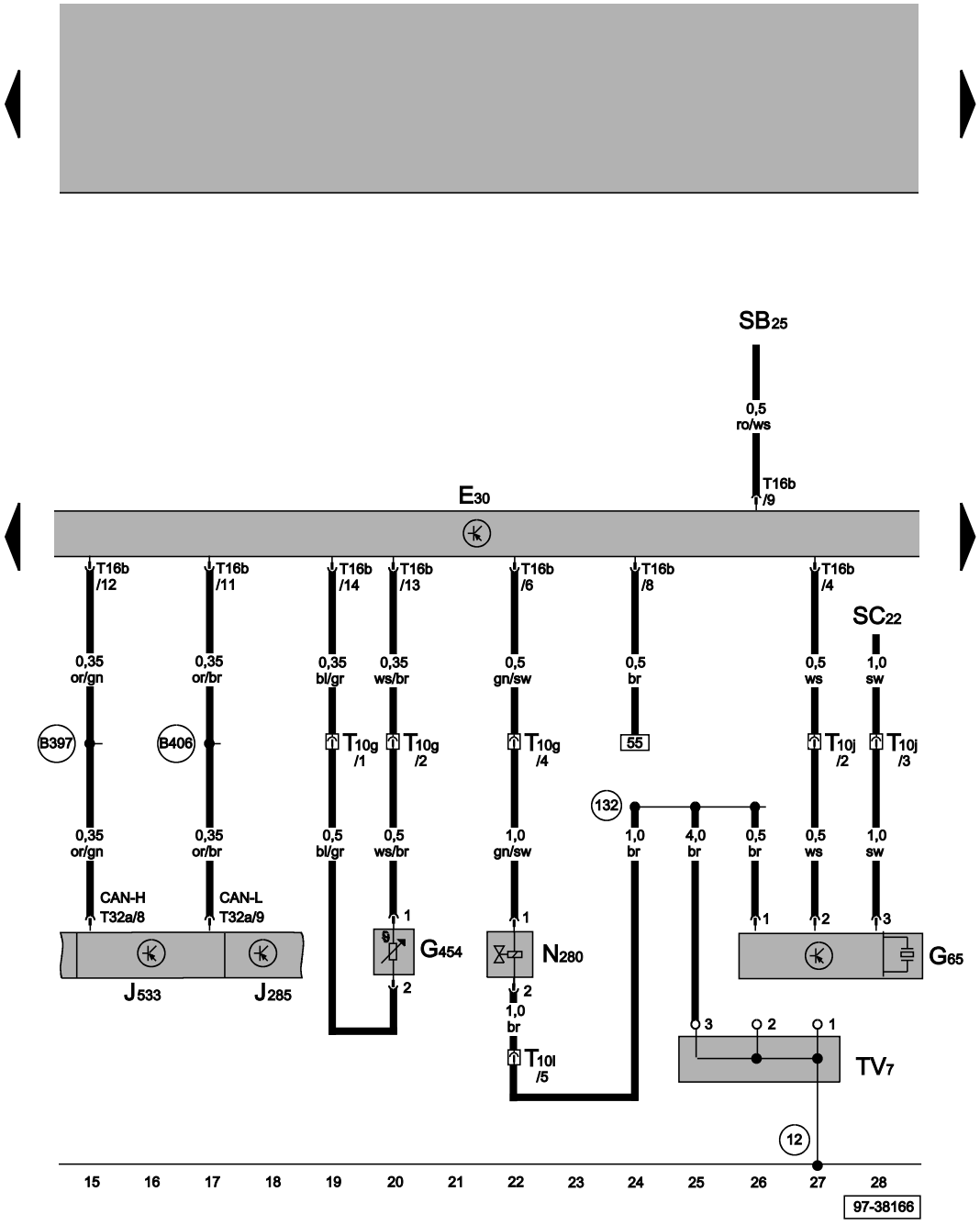


ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

Refrigerant temperature sender, high pressure sender, air conditioning system compressor regulating valve, data bus diagnostic interface, air conditioning system switch

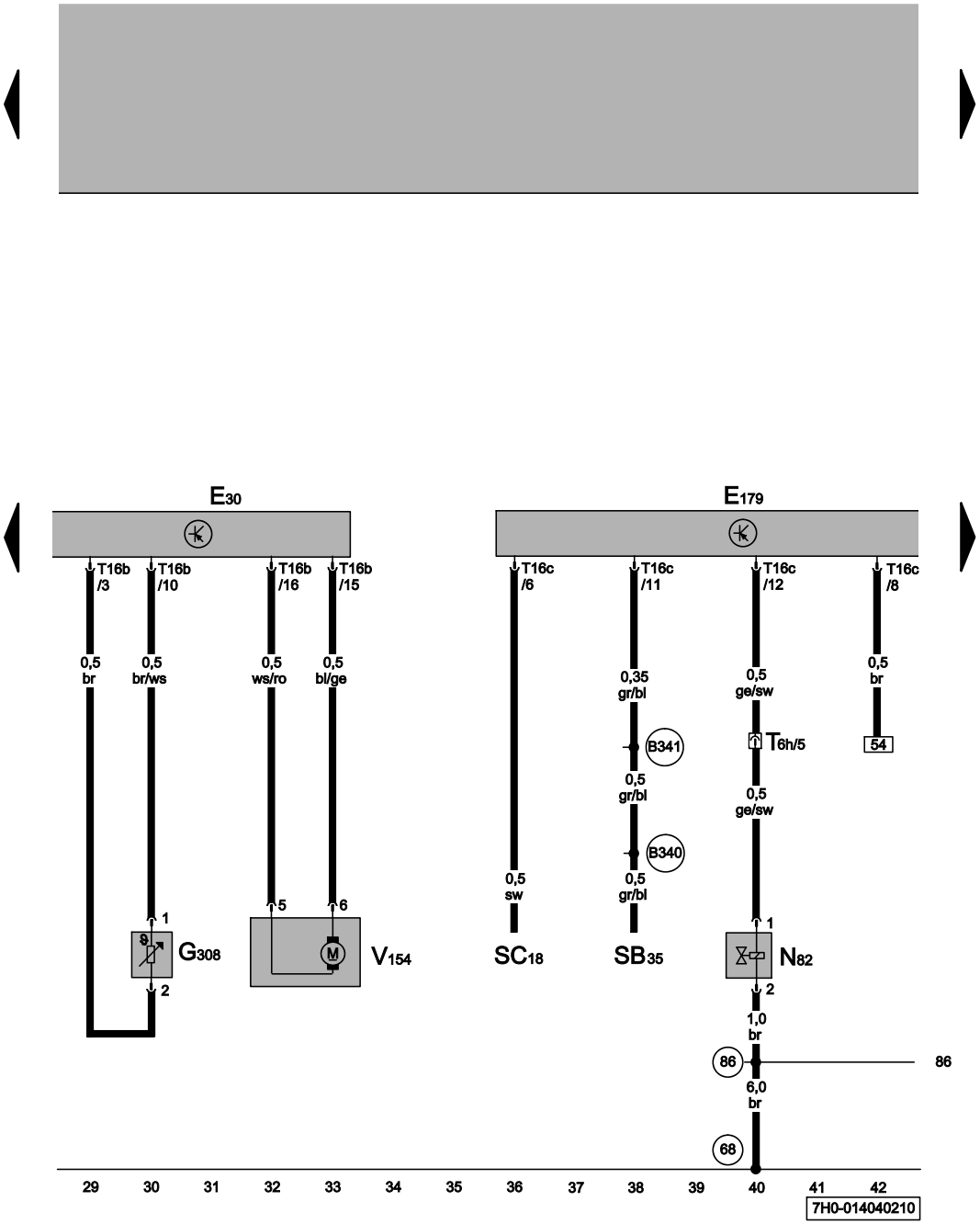


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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

Evaporator temperature sensor, fresh air/recirculated air flap control motor, coolant shut-off valve, air conditioning system switch, rear fresh air blower switch

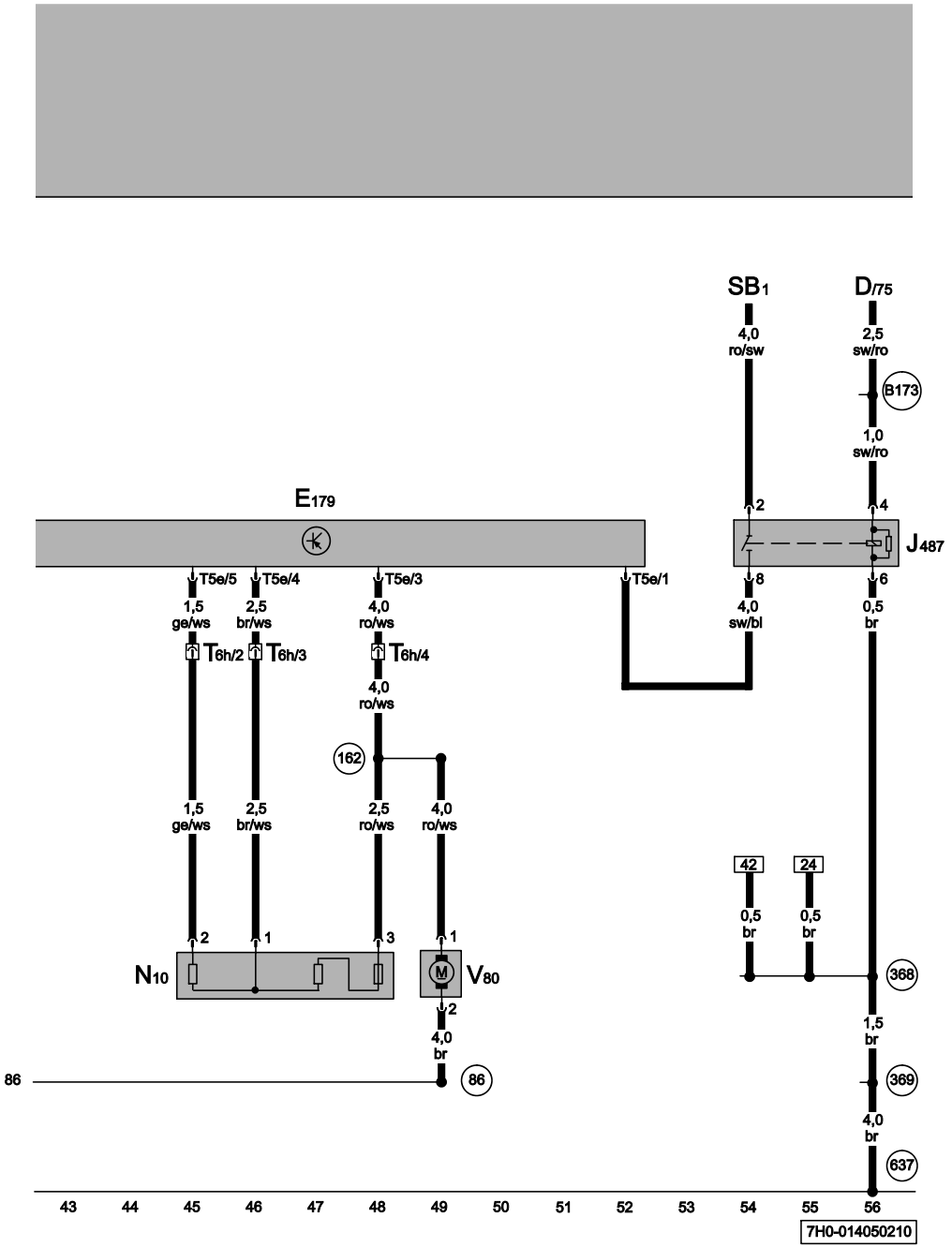
E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
N82	Coolant shut-off valve
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6h	6-pin connector, purple, coupling station under driver seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
V80	Rear fresh air blower
86	Earth connection 1, in rear wiring harness
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness



ws	=	white
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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rs	=	pink

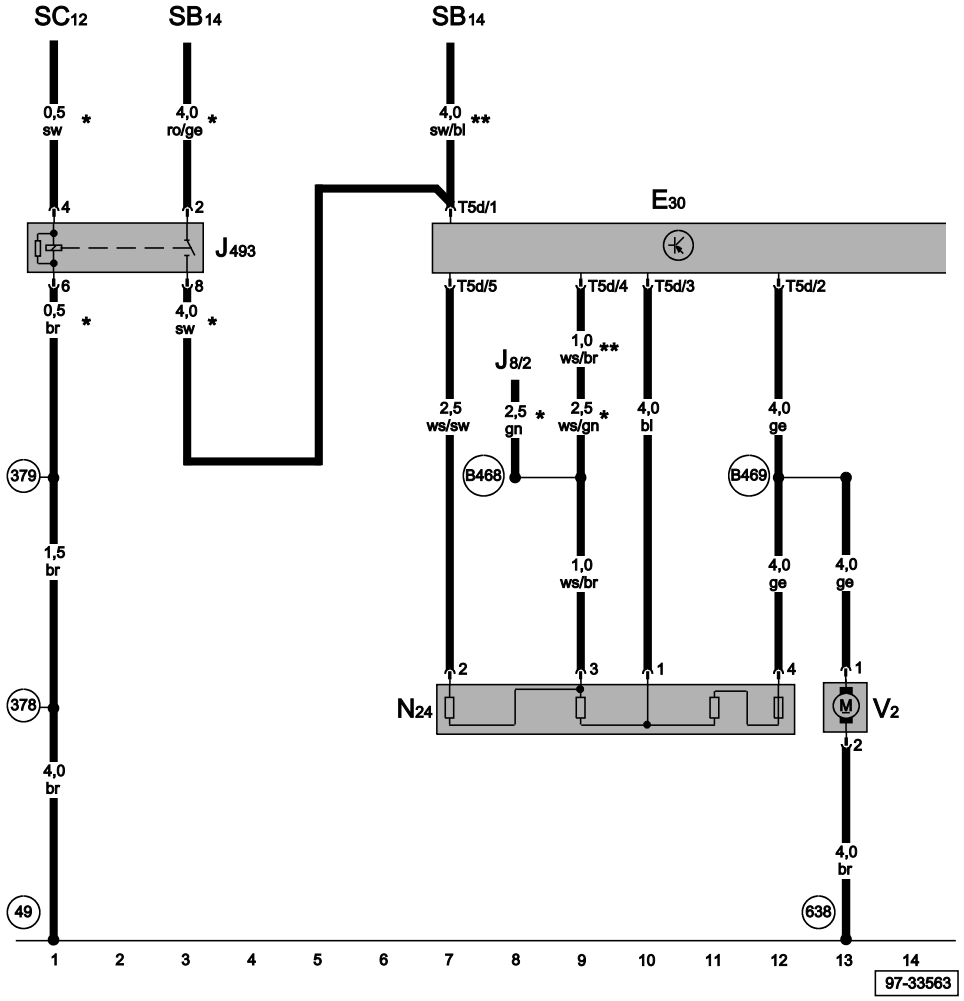
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **engine codes AXA, AXB, AXC, BDL, BDM and BKK**
⇒ **Double cab-, Panel van-, Kombi-, and shuttle vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

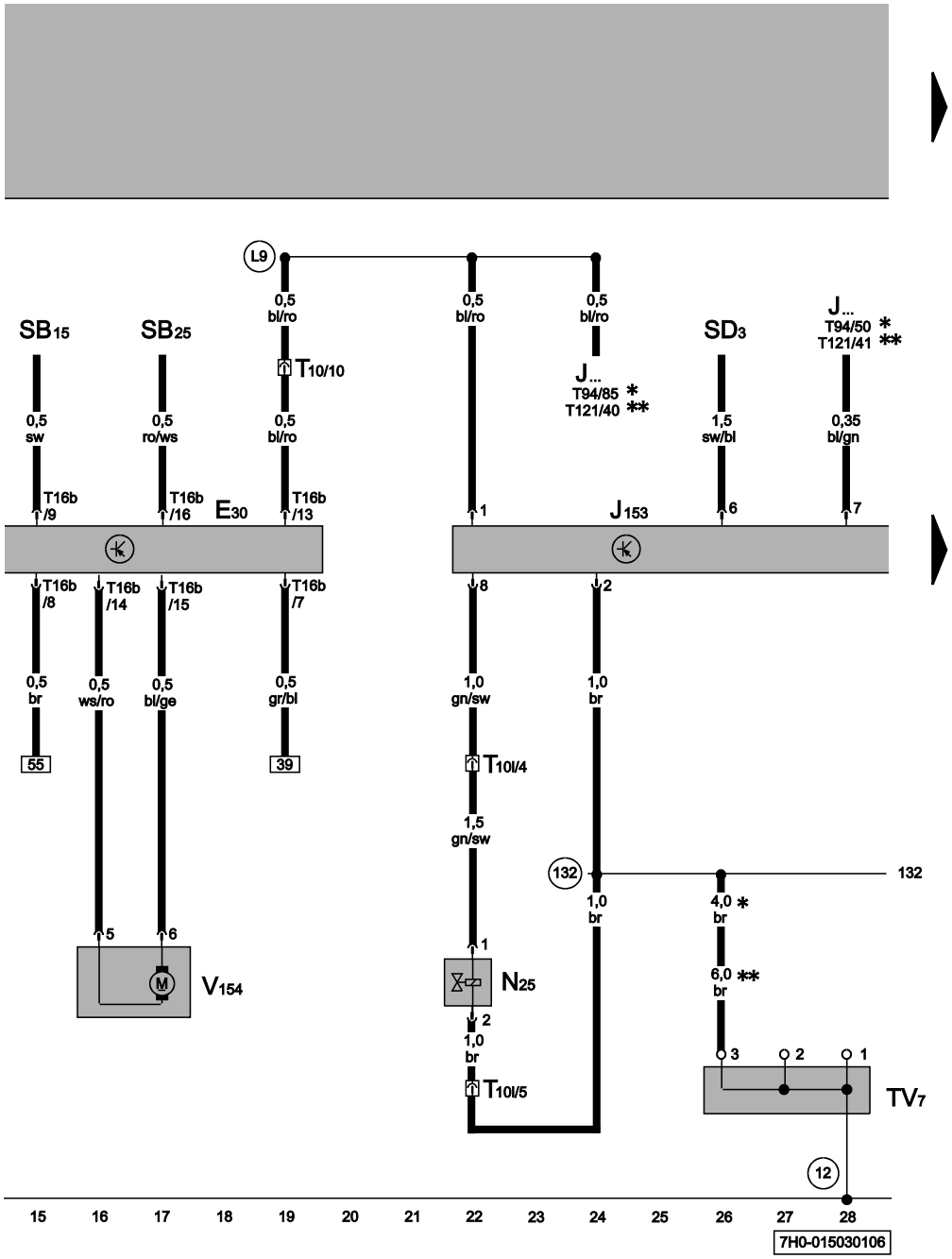
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

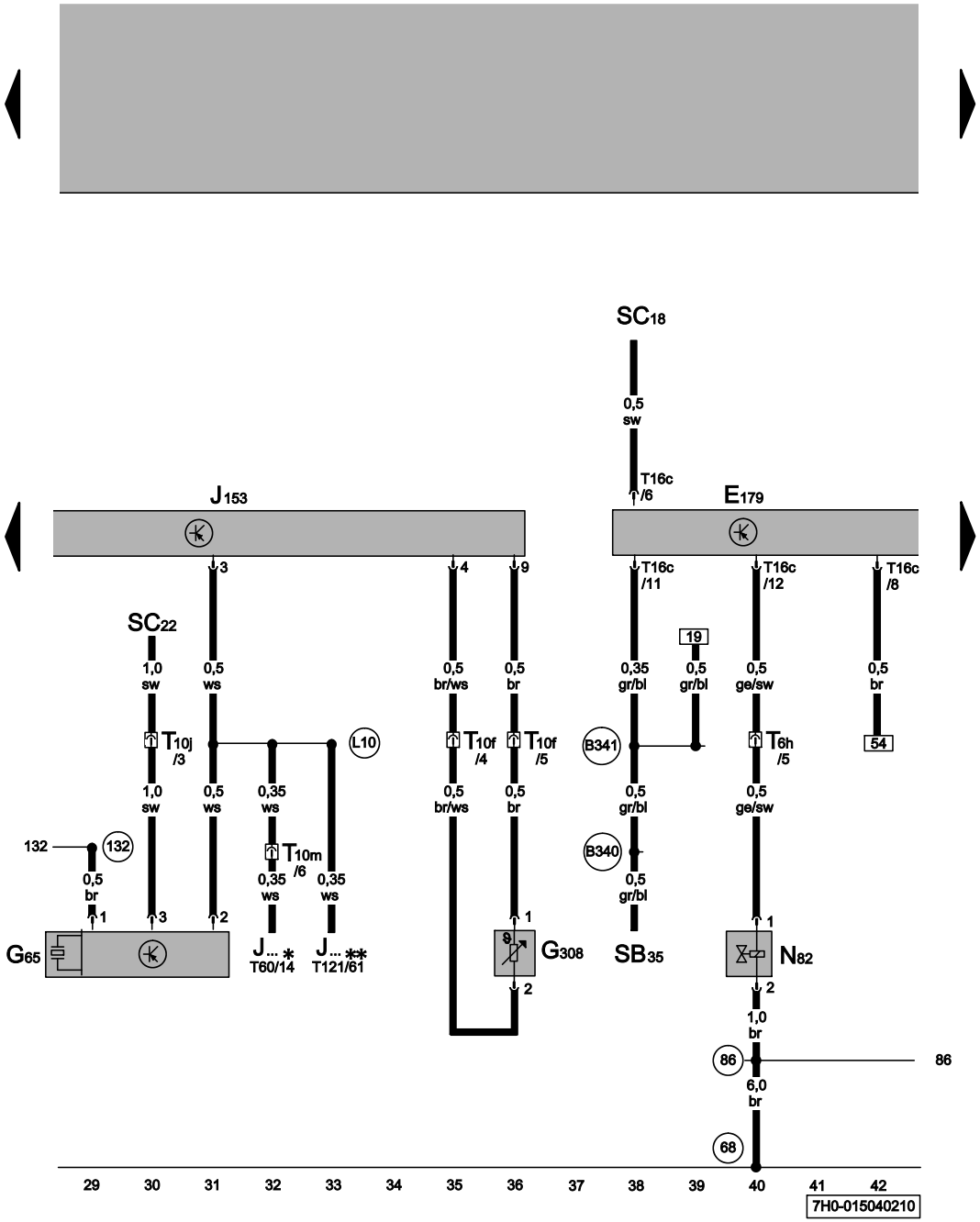
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only



ws = white
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch

E30	Air conditioning system switch
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXA, BDL, BDM and BKK only

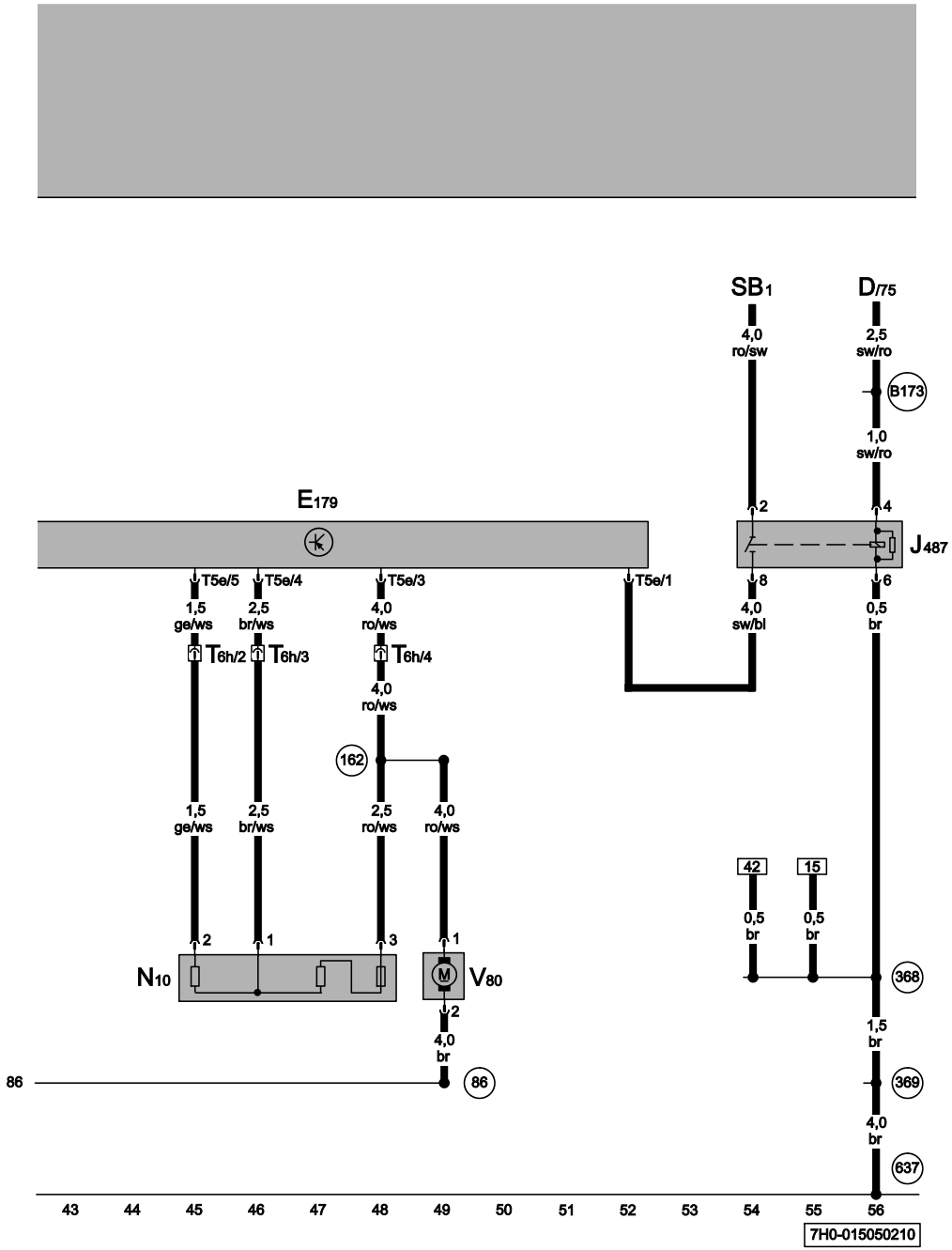


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, high pressure sender, ambient temperature sensor, coolant shut-off valve, rear fresh air blower switch

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
J...	Engine control units
J153	Magnetic clutch control unit
N82	Coolant shut-off valve
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T6h	6-pin connector, purple, coupling station under driver seat
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
132	Earth connection 3, in engine compartment wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXA, BDL, BDM and BKK only

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
V80	Rear fresh air blower
86	Earth connection 1, in rear wiring harness
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

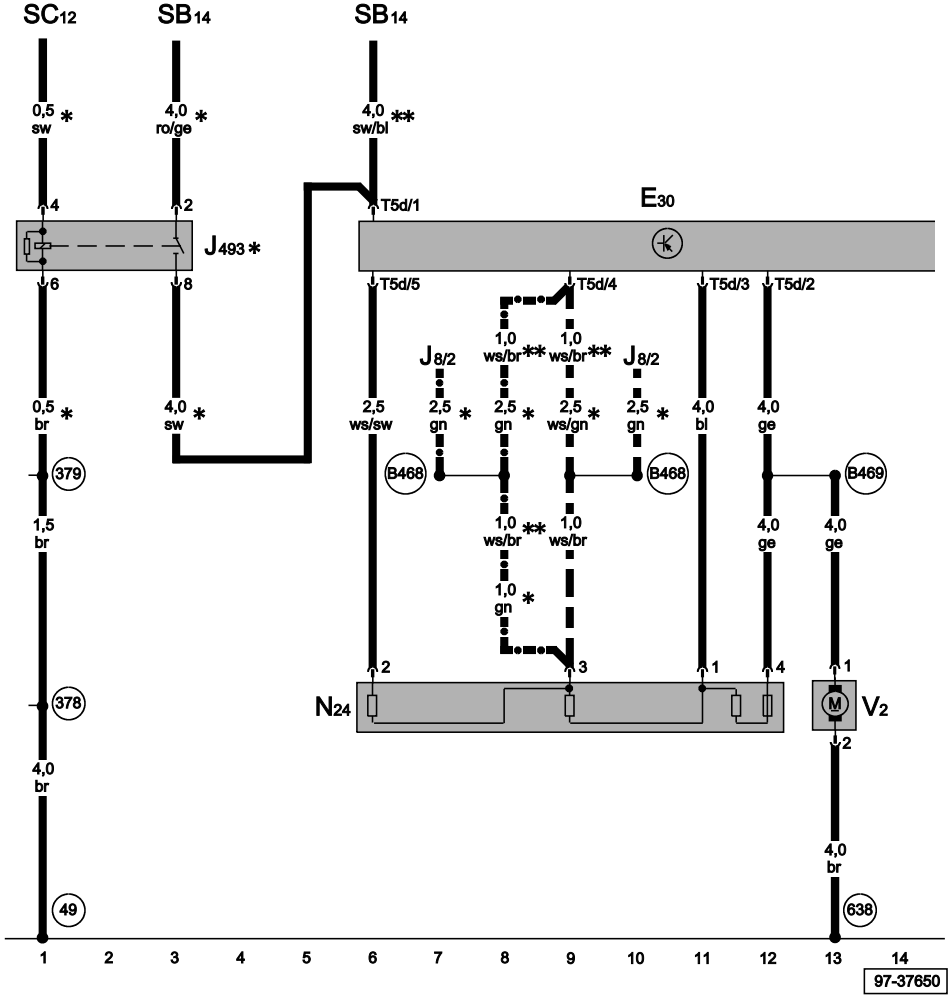
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **engine codes AXA, AXB, AXC, BDL, BDM and BKK**
⇒ **Panel van, Kombi and Shuttle vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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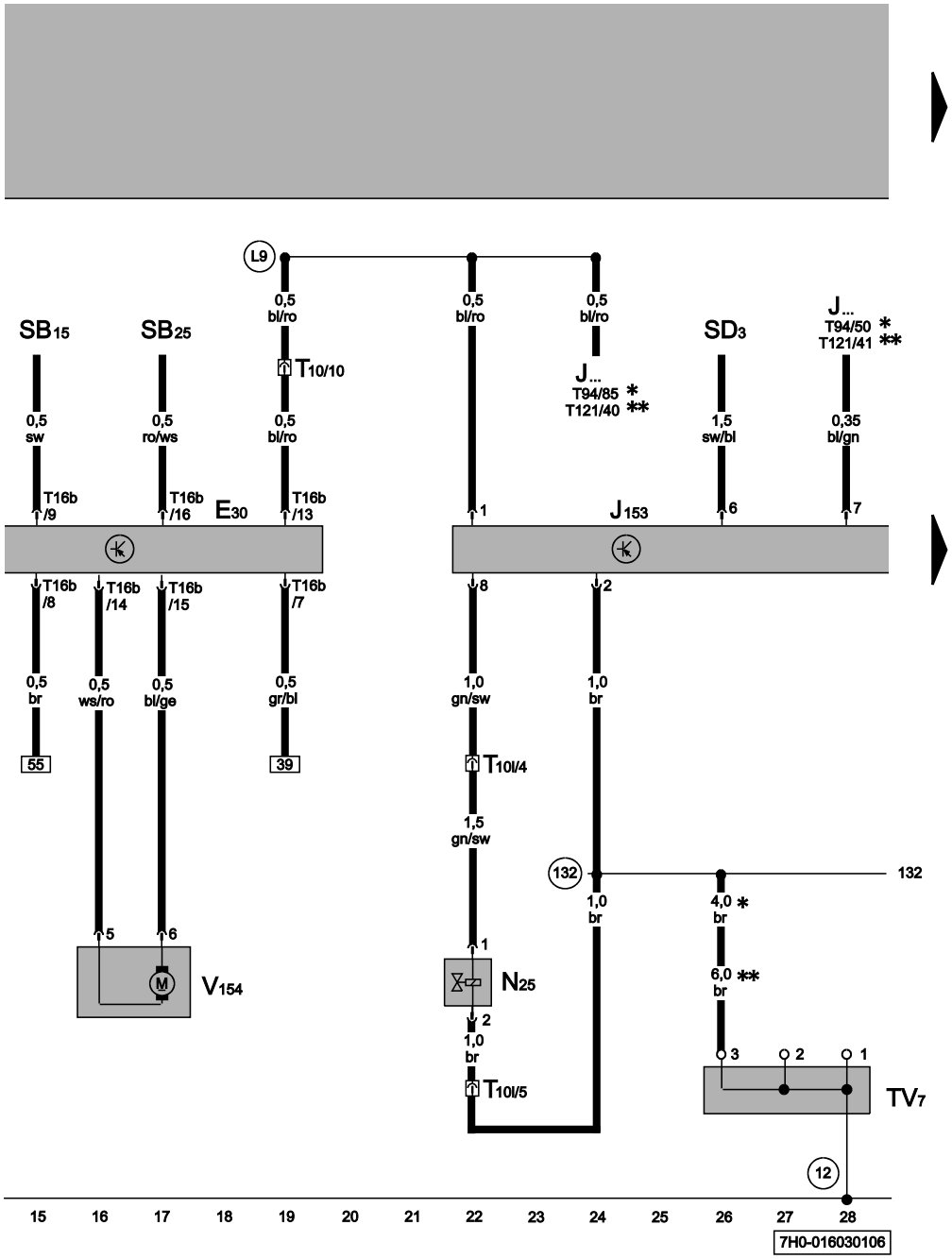
applicable from June 2003

<fo:external-graphic

applicable up to May 2003

sw	=	black
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

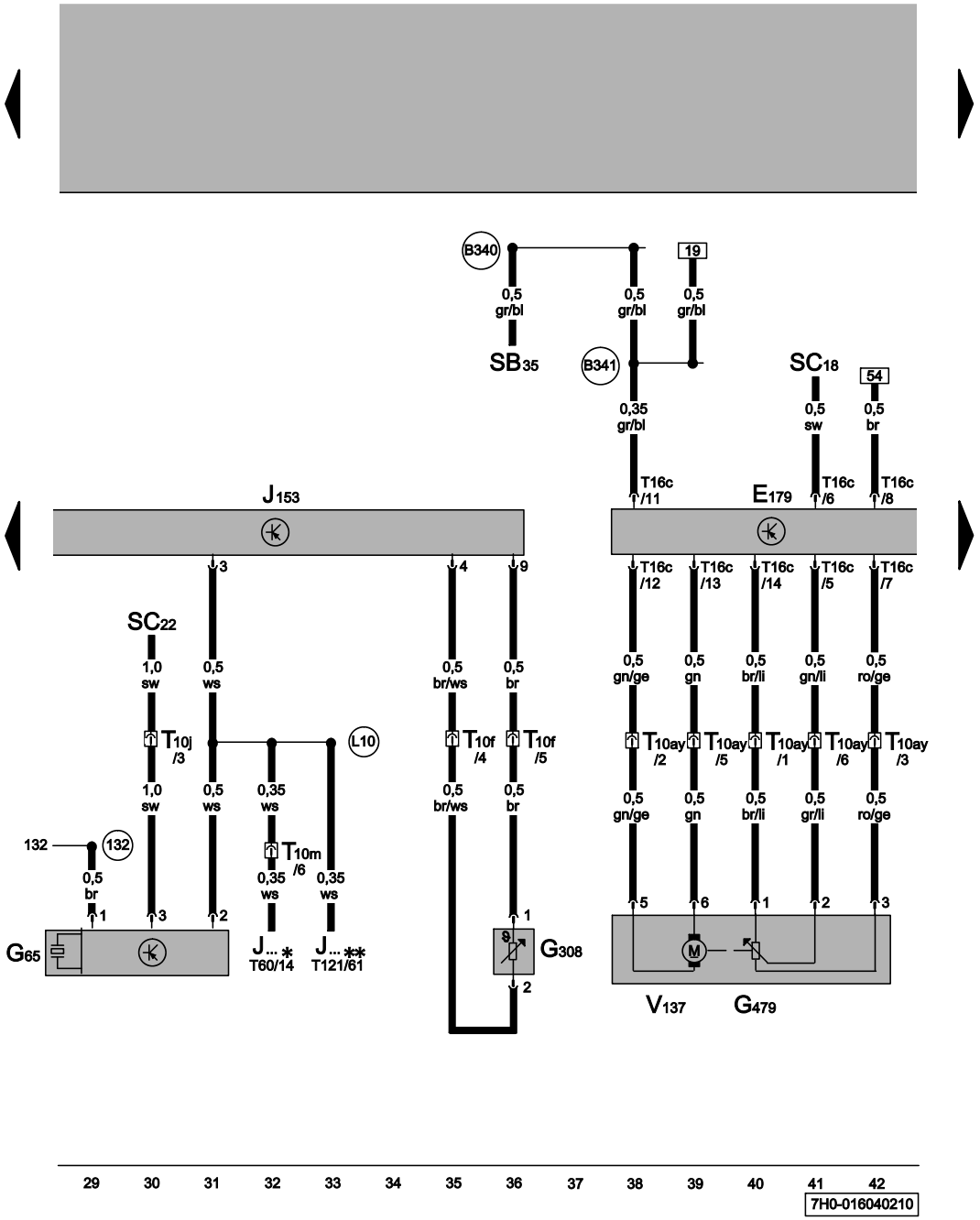
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ws = white
sw = black
ro = red
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch

E30	Air conditioning system switch
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXA, BDL, BDM and BKK only

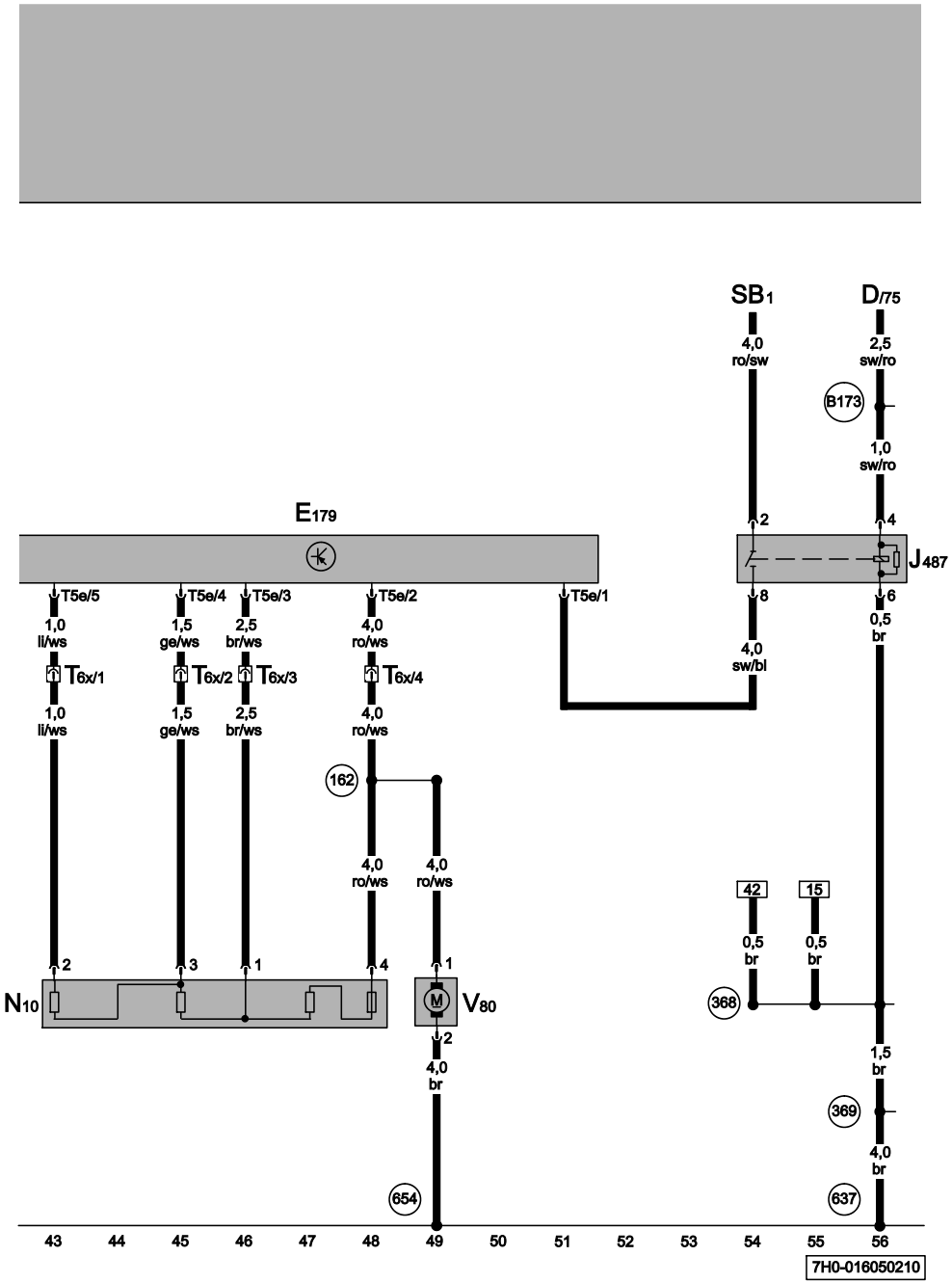


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, high pressure sender, evaporator temperature sensor, potentiometer for rear temperature flap motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
J...	Engine control units
J153	Magnetic clutch control unit
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
V137	Rear temperature flap control motor
132	Earth connection 3, in engine compartment wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXA, BDL, BDM and BKK only

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

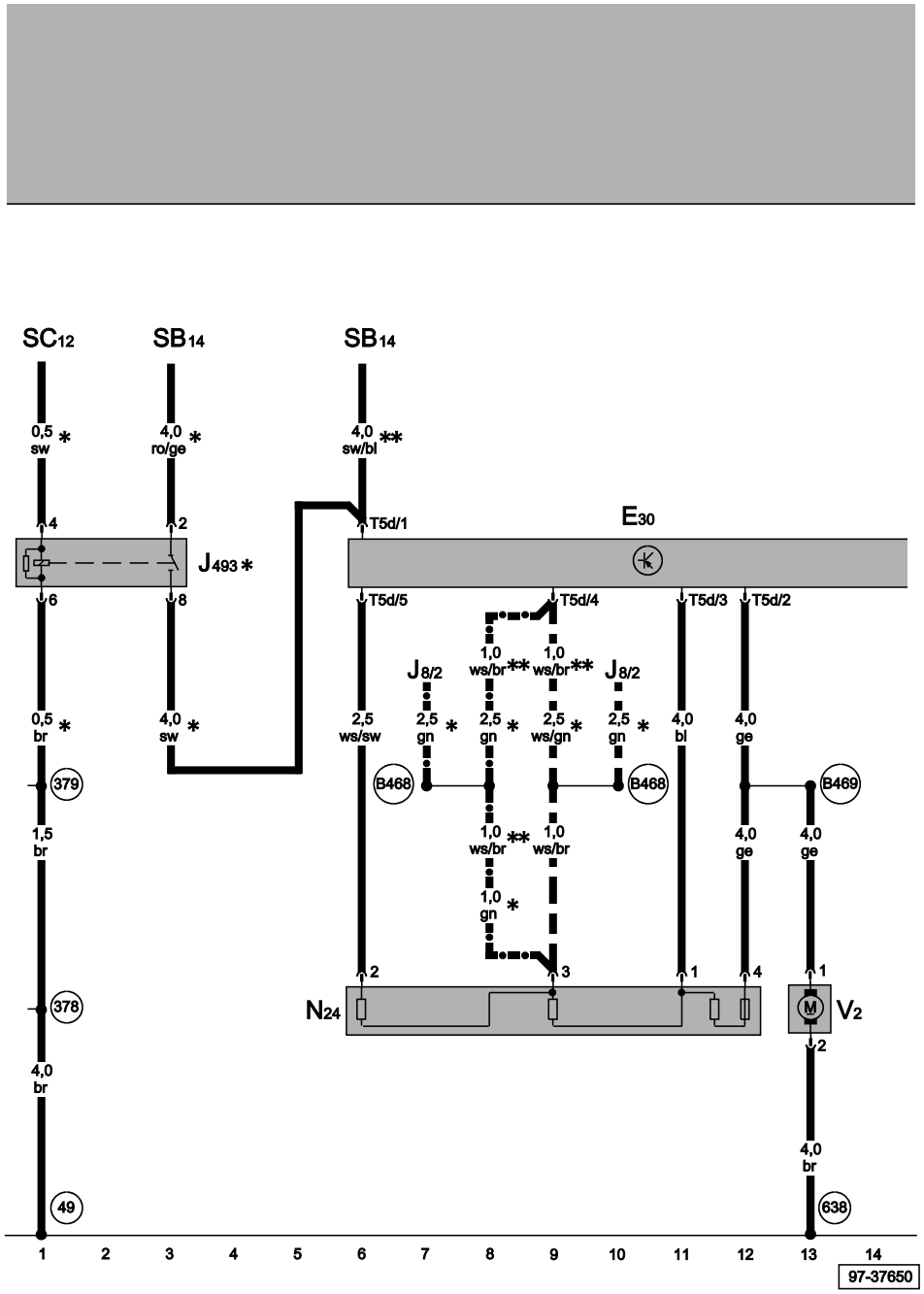
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **engine codes AXA, AXB, AXC, BDL, BDM and BKK**
⇒ **Multivan, camper and shuttle vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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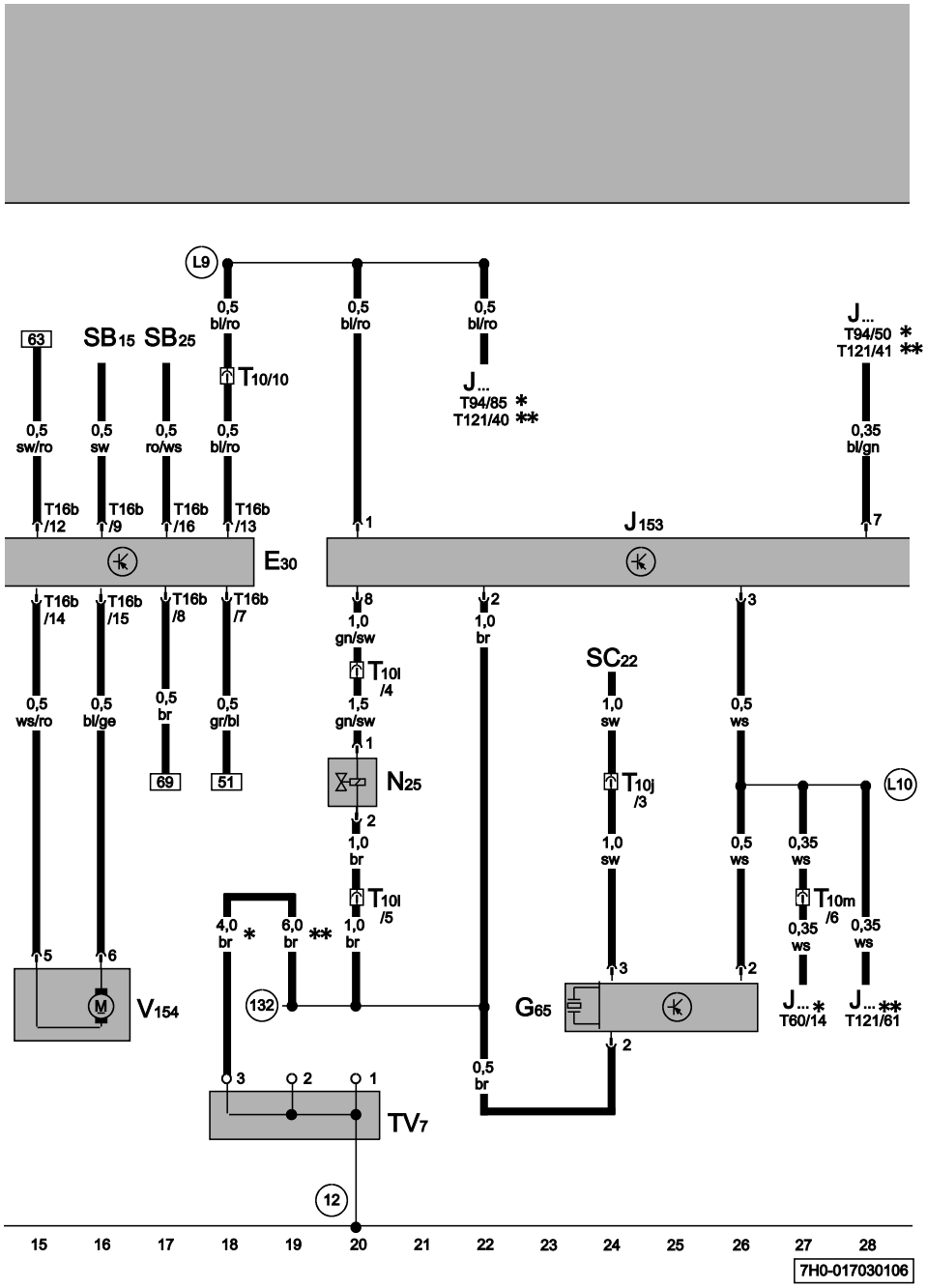
applicable from June 2003

<fo:external-graphic

applicable up to May 2003

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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

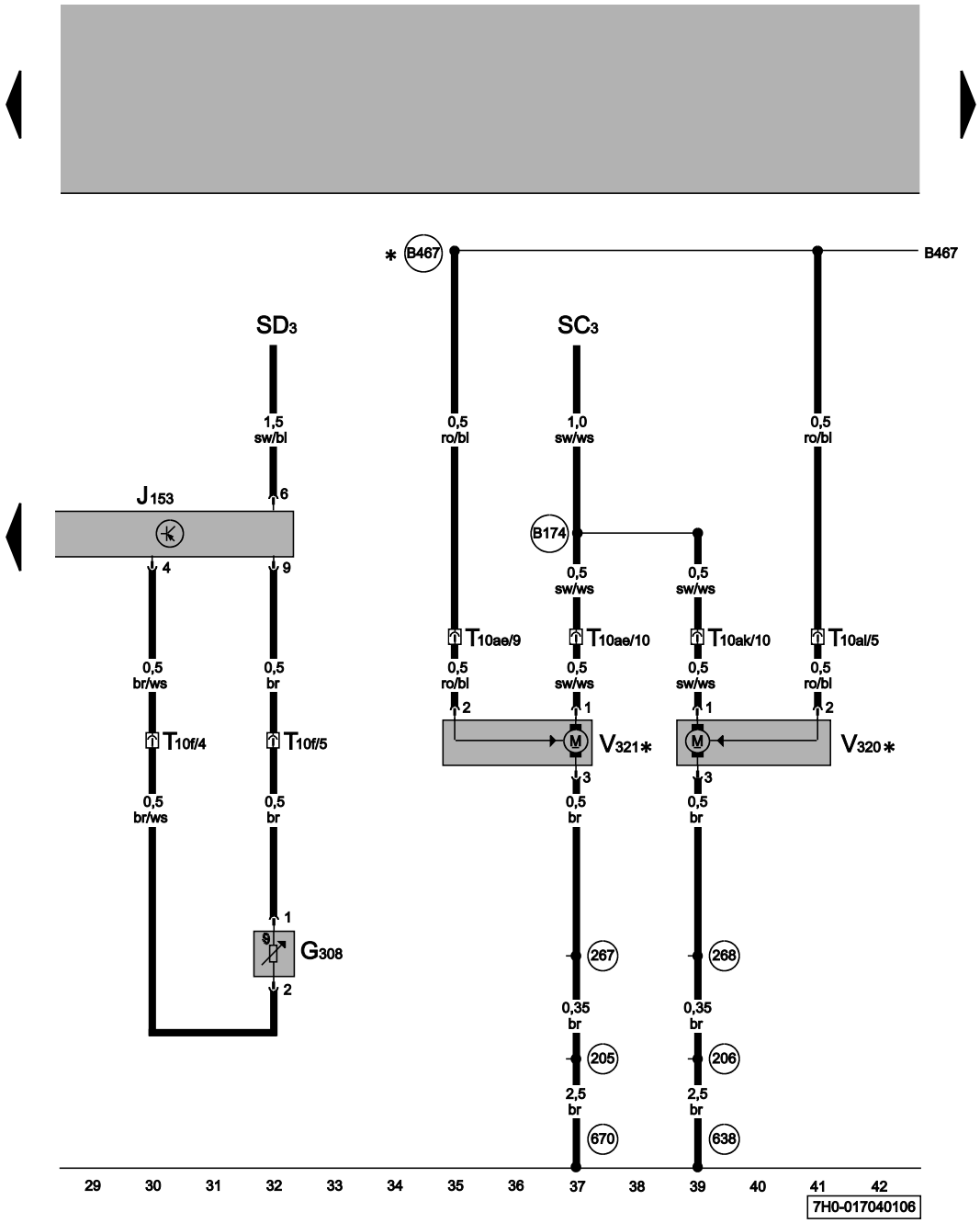
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

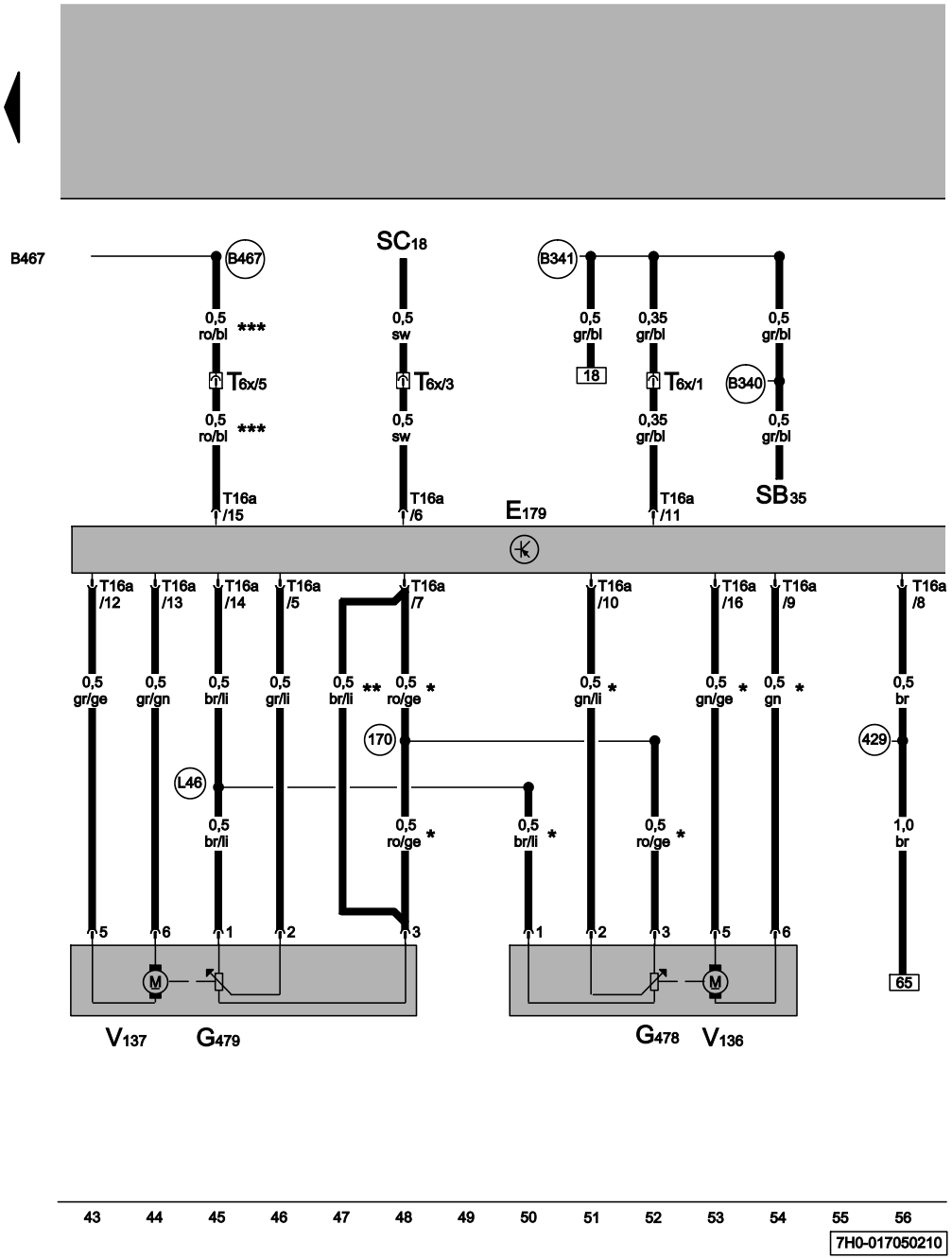
E30	Air conditioning system switch
G65	High pressure sender
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB and AXC only
**	for models with engine codes AXA, BDL, BDM and BKK only



ws = white
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ge = yellow
or = orange
rs = pink

Evaporator temperature sensor, magnetic clutch control unit, auxiliary blower

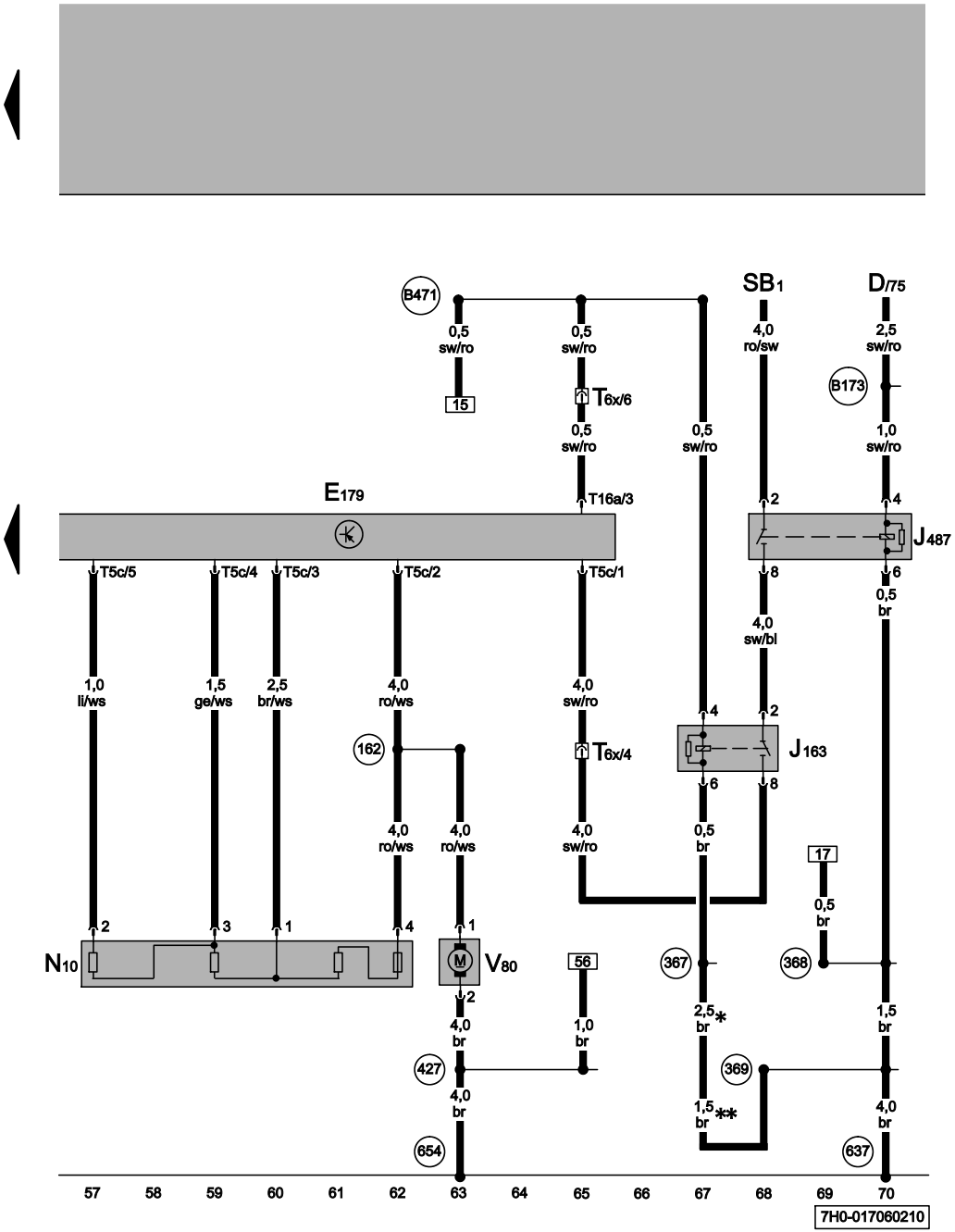
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
SC3	Fuse 3 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	only models with auxiliary blower, in front doors



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models without rear air distribution control motor only
***	only models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B471	Connection 7 in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003

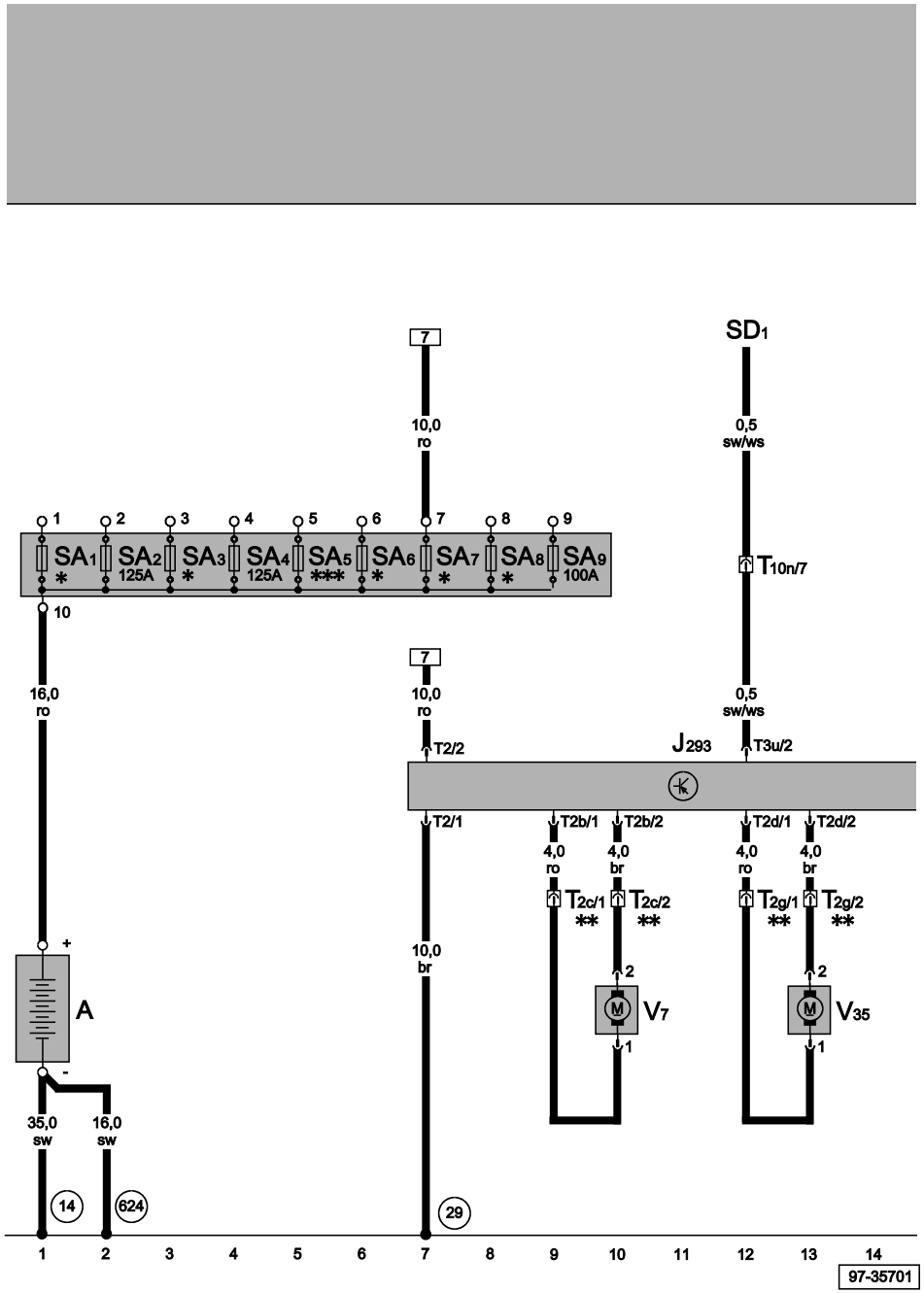
Radiator fan (450W + 220/300W), for air conditioning system/Climatronic

⇒ **1 Radiator fan control unit**
⇒ **Engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

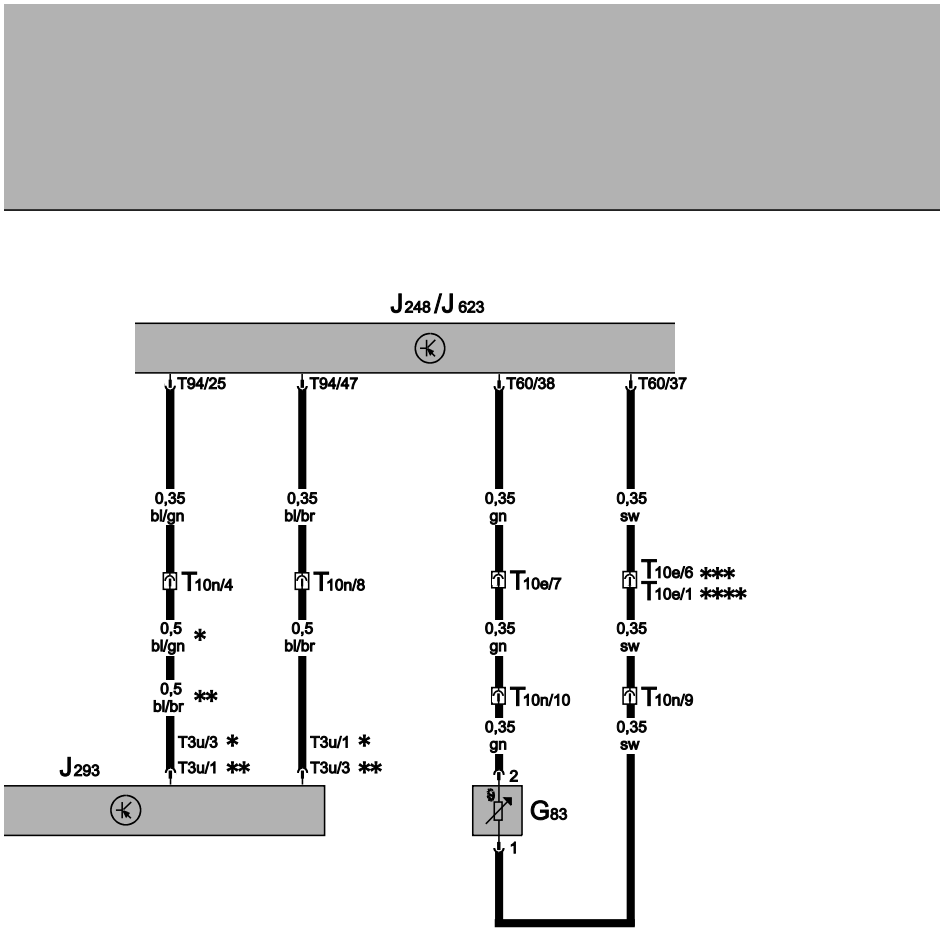


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuse holder, radiator fan control unit, radiator fan, right fan for radiator

A	Battery
J293	Radiator fan control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T2d	2-pin connector, black
T2g	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V35	Right radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	Fuse location depends on equipment ⇒ Fitting Locations
**	applicable from June 2003
***	Fuse location depends on equipment ⇒ Fitting Locations, is dropped from June 2003

Radiator outlet coolant temperature sender, engine control unit



G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J248	Diesel direct injection system control unit
J623	Engine control unit
T3u	3-pin connector, black
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
*	applicable up to May 2003
**	applicable from June 2003
***	applicable up to May 2007
****	applicable from June 2007

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radiator fan (600W + 220/300W), for air conditioning system/Climatronic

⇒ **2 Radiator fan control units**

⇒ **Models with engine codes AXD, AXE, BDL, BDM, BKK, BLJ, BNZ and BPC**

from March 2003

Notes:

For information concerning

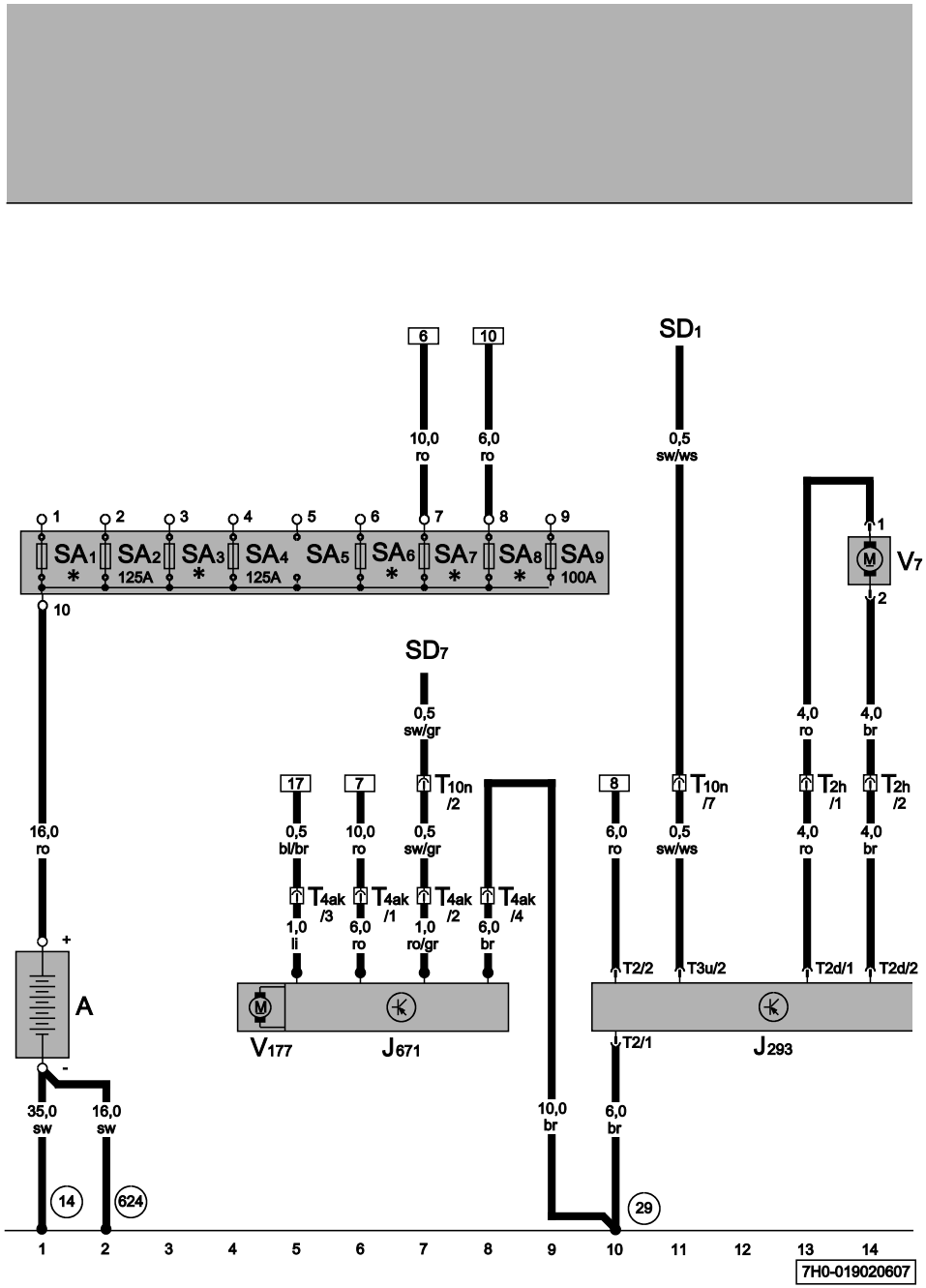
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

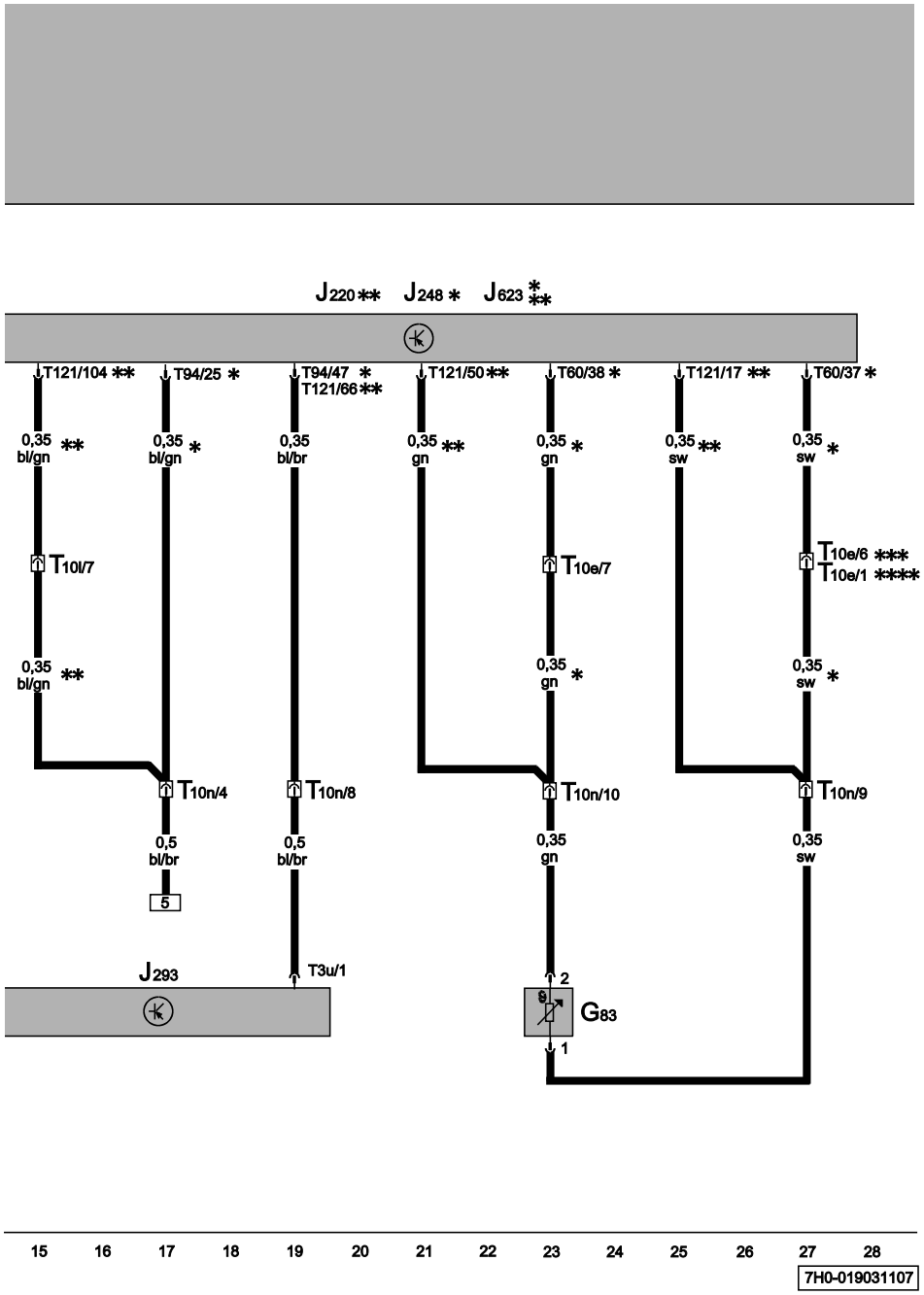


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuse holder, radiator fan control unit, radiator fan, radiator fan 2

A	Battery
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
SD7	Fuse 7 on fuse holder D
T2	2-pin connector, black
T2d	2-pin connector, black
T2h	2-pin connector, black, on lower of radiator fan
T3u	3-pin connector, black
T4ak	4-pin connector, black, near radiator fan
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V177	Radiator fan 2
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	Fuse location depends on equipment ⇒ Fitting Locations

Radiator outlet coolant temperature sender, engine control unit



G83	Radiator outlet coolant temperature sender
J220	Motronic control unit
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
*	for models with engine codes AXD, AXE, BLJ, BNZ, BPC only
**	for models with engine codes BDL, BDM, BKK only
***	applicable up to May 2007
****	applicable from June 2007

ws	=	white
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ro	=	red
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rs	=	pink

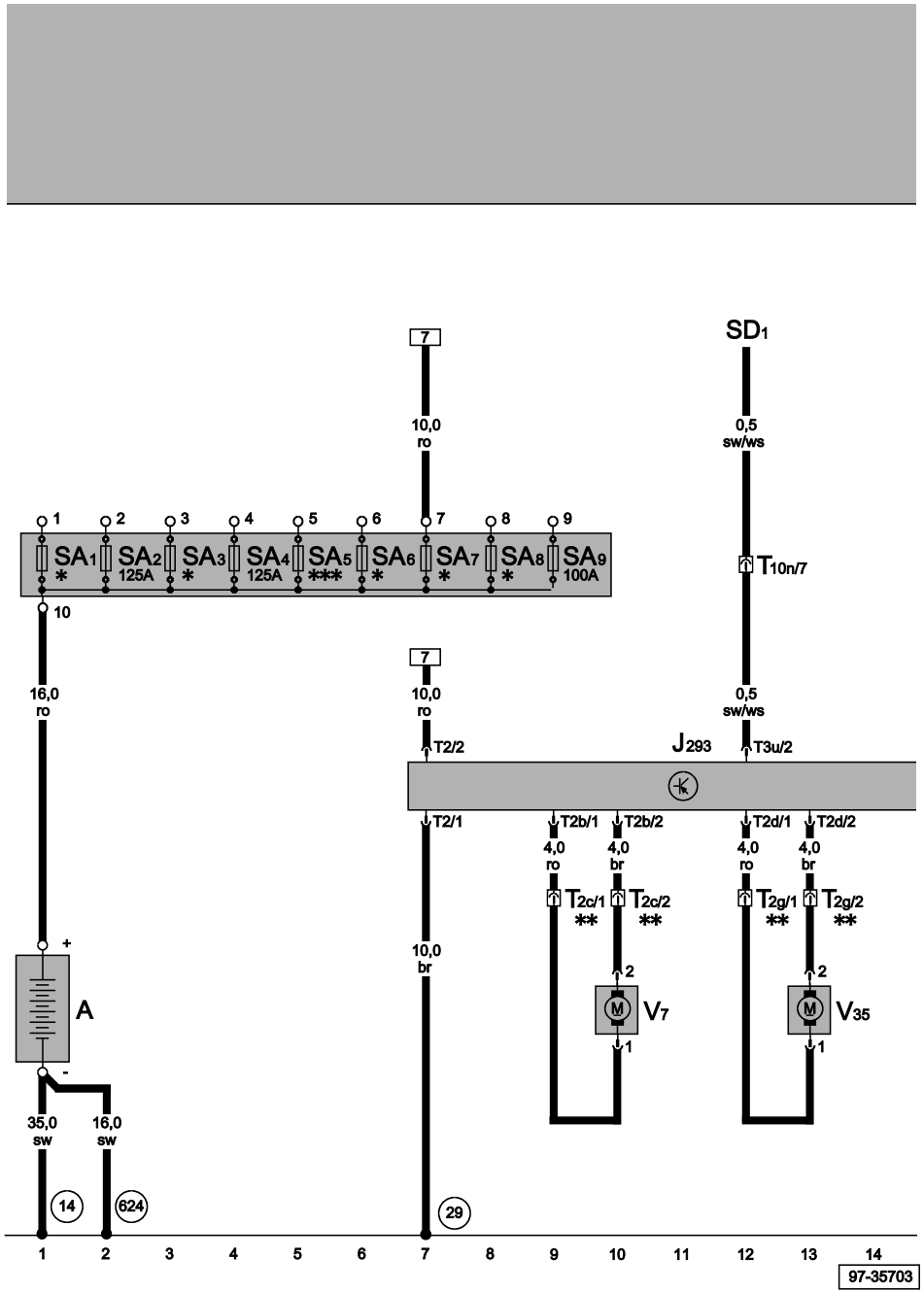
Radiator fan (450W + 220/300W), for air conditioning system/Climatronic

⇒ **1 radiator fan control unit**
⇒ **Engine code AXA**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

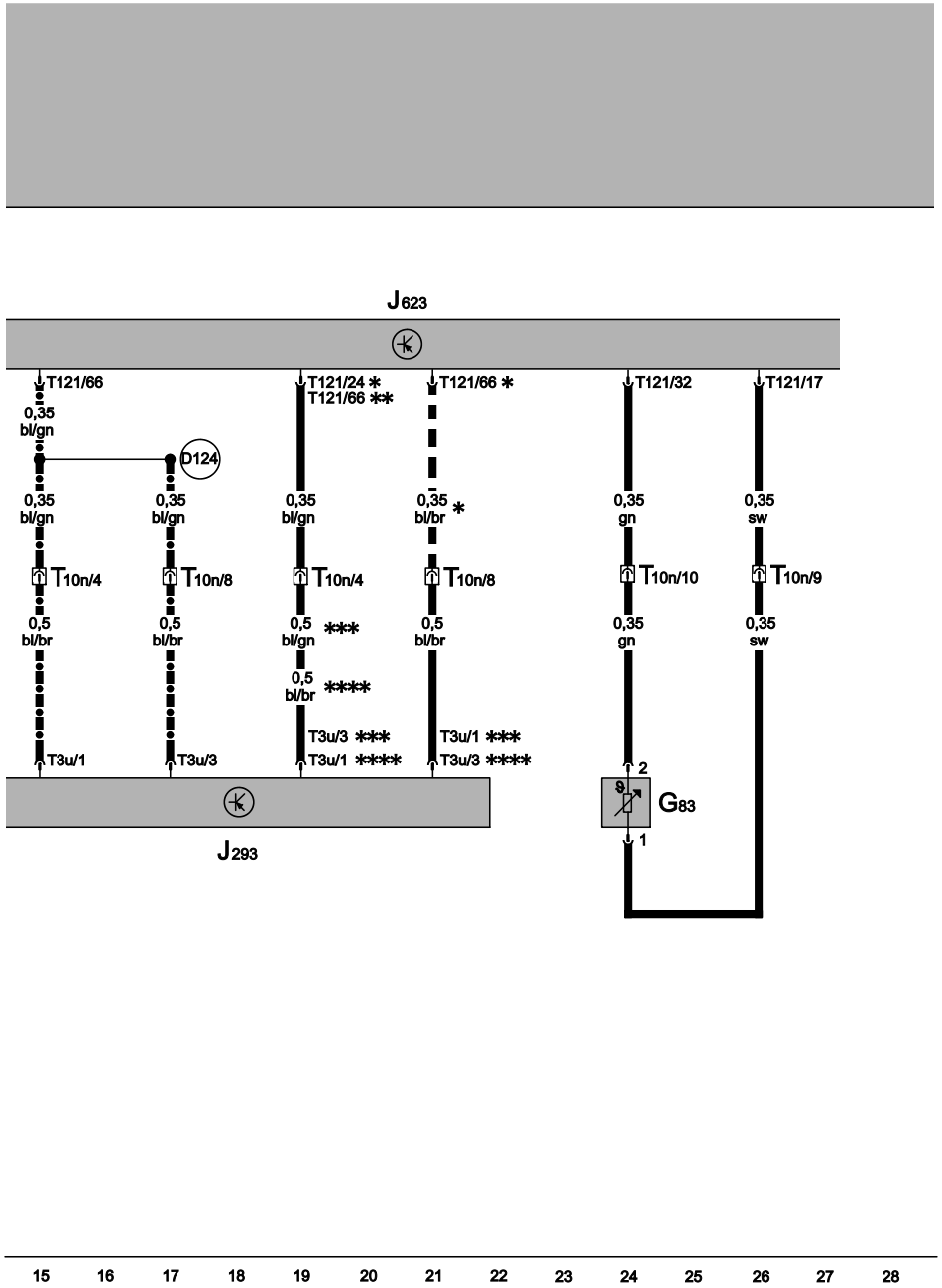
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuse holder, radiator fan control unit, radiator fan, radiator fan on right

A	Battery
J293	Radiator fan control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T2d	2-pin connector, black
T2g	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V35	Right radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	fuse rating depends on equipment ⇒ Fitting Locations
**	applicable from June 2003
***	Fuse location depends on equipment, ⇒ Fitting Locations, is dropped from June 2003



ws = white

Radiator outlet coolant temperature sender, engine control unit, radiator fan control unit

G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D124	Connection 22, in engine compartment wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	applicable up to May 2003
****	applicable from June 2003

<fo:exter wire is dropped from February 2004
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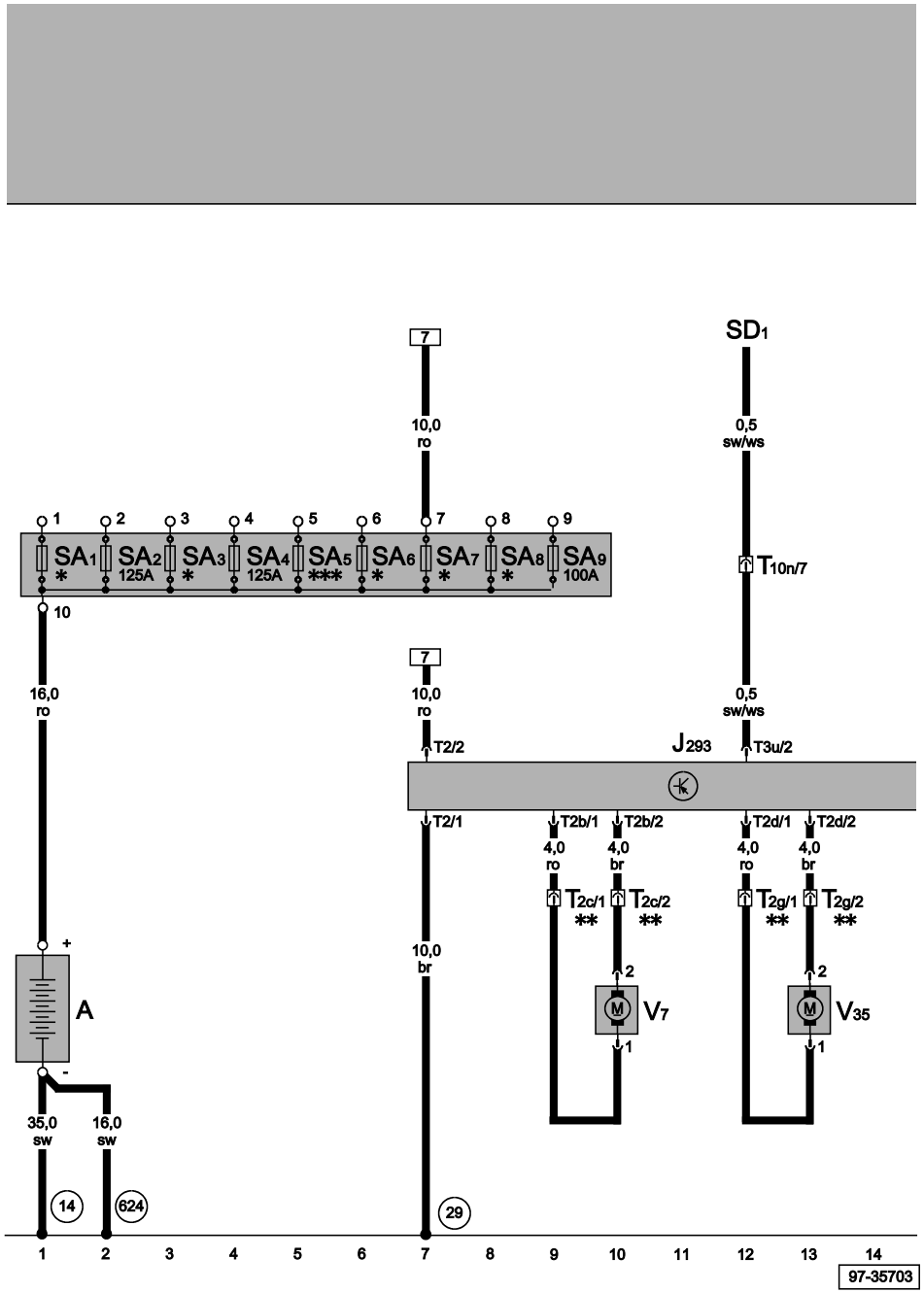
Radiator fan (450W + 220/300W), for air conditioning system/Climatronic

⇒ **1 radiator fan control unit**
⇒ **Engine codes BDL, BDM and BKK**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



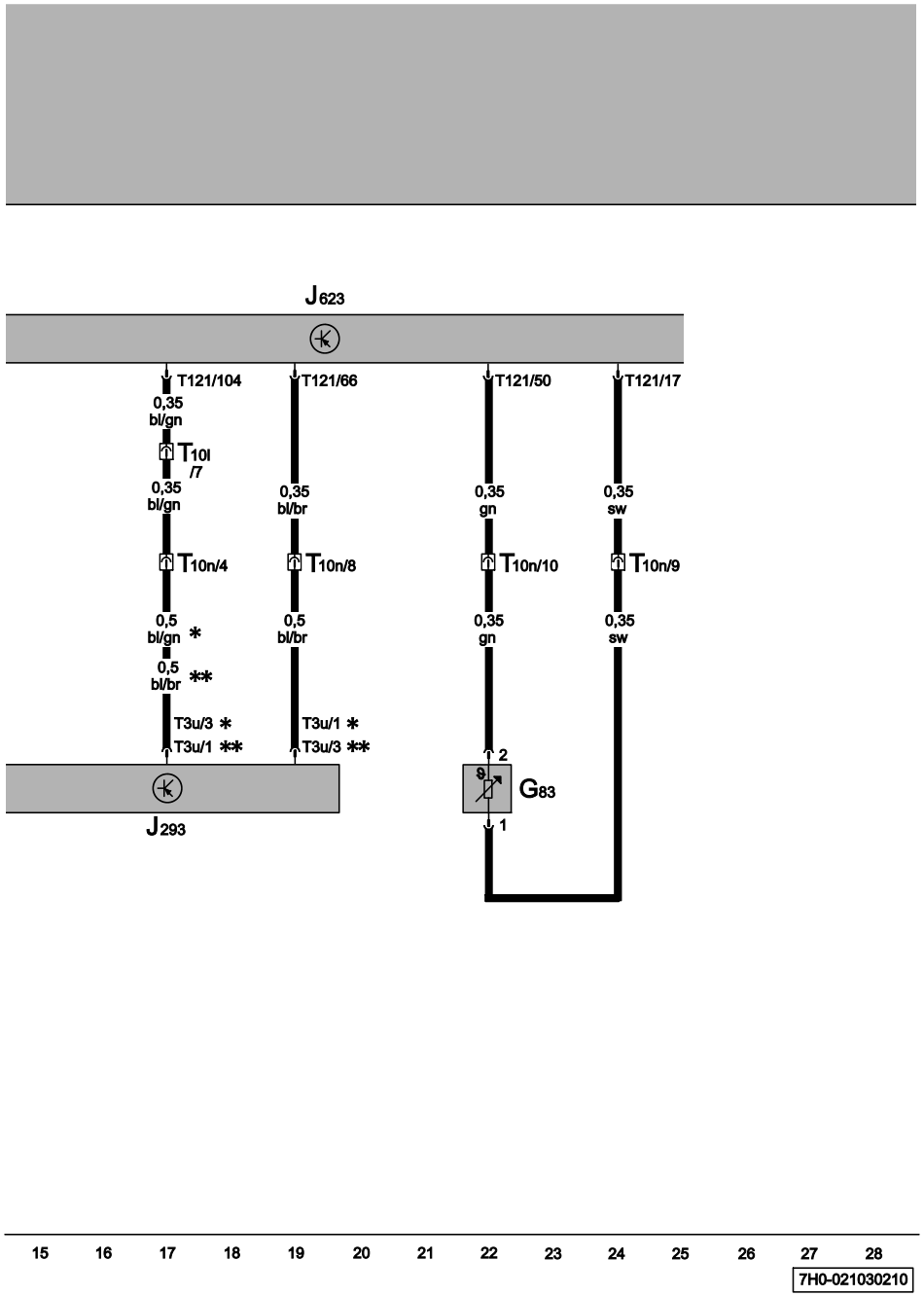
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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuse holder, radiator fan control unit, radiator fan, radiator fan on right

A	Battery
J293	Radiator fan control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T2d	2-pin connector, black
T2g	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V35	Right radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	fuse rating depends on equipment ⇒ Fitting Locations
**	applicable from June 2003
***	Fuse location depends on equipment, ⇒ Fitting Locations, is dropped from June 2003

Radiator outlet coolant temperature sender, engine control unit, radiator fan control unit

G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
*	applicable up to May 2003
**	applicable from June 2003



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Auxiliary air heater with preselection clock Air Top 3500

from March 2003

Notes:

For information concerning

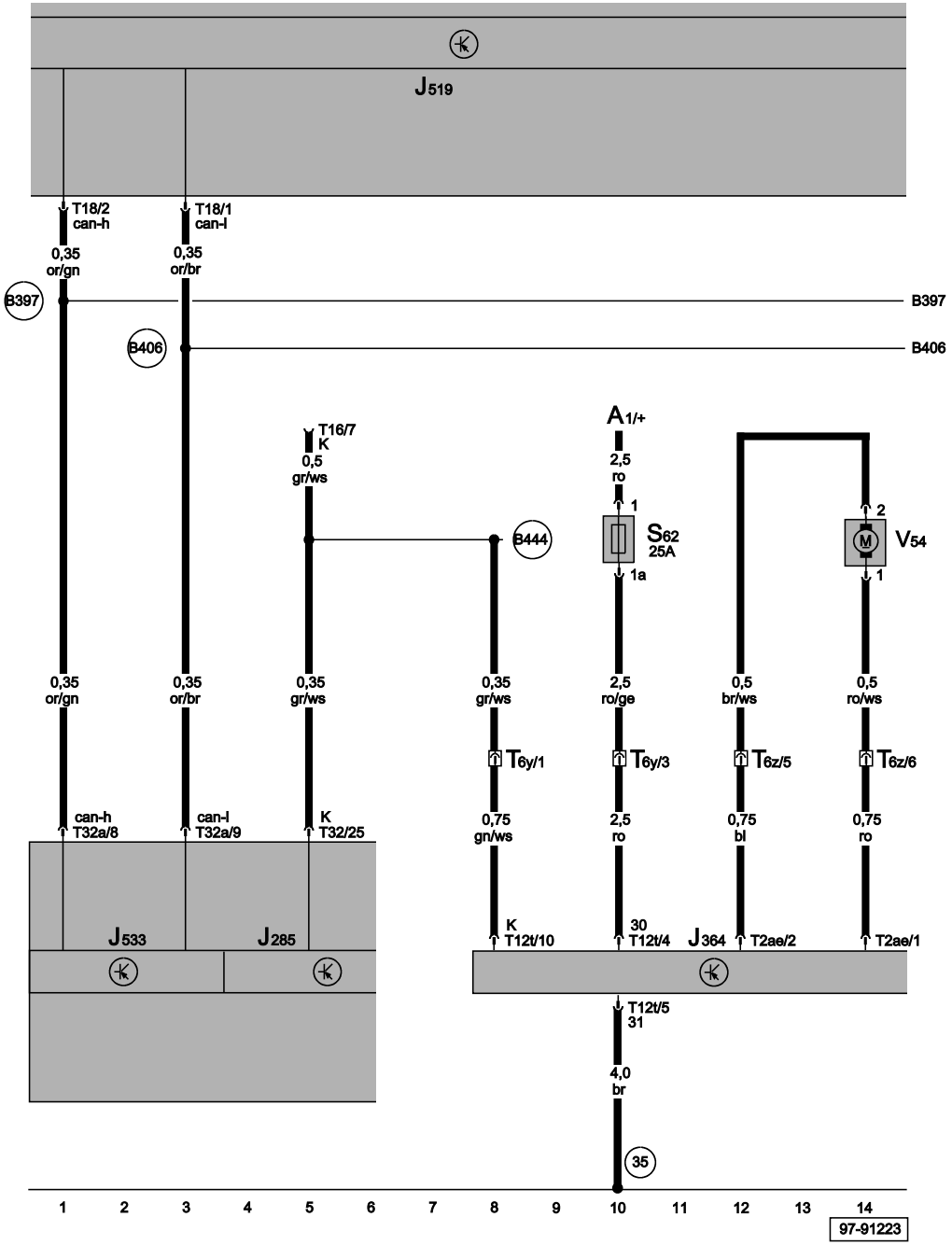
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

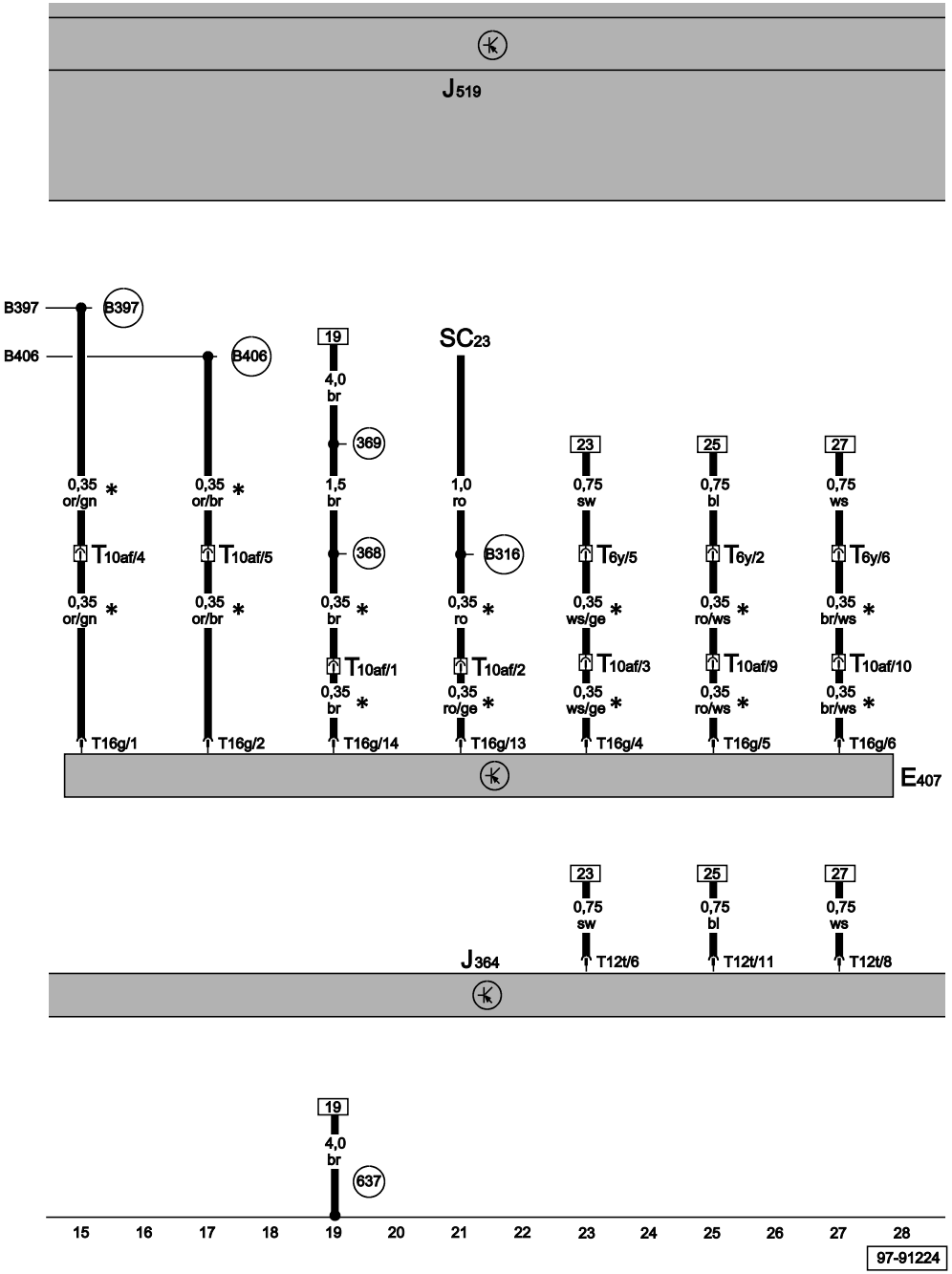
⇒ guided fault finding



Auxiliary heater control unit, metering pump, auxiliary heater fuse

A1	Second battery
J285	Control unit in dash panel insert
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
S62	Auxiliary heater fuse
T2ae	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T12t	12-pin connector, black
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
V54	Metering pump
35	Earth point, under front passenger seat
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness

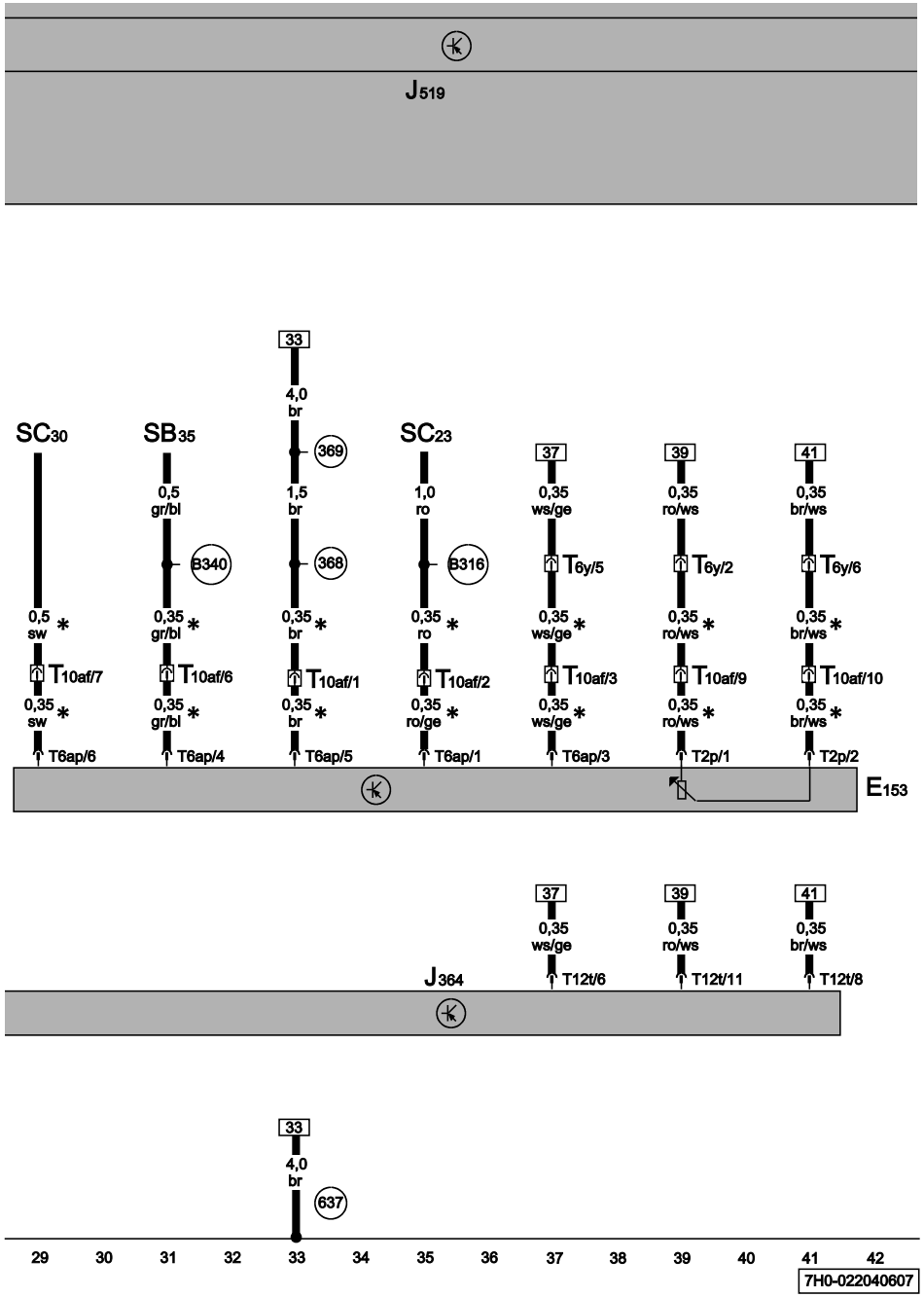
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater operating and display unit, auxiliary heater control unit

E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J519	Onboard supply control unit
SC23	Fuse 23 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	For multivan, shuttle only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater operating and display unit for camping equipment, auxiliary heater control unit

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B316	Positive connection 2 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for camper only

ws	=	white
sw	=	black
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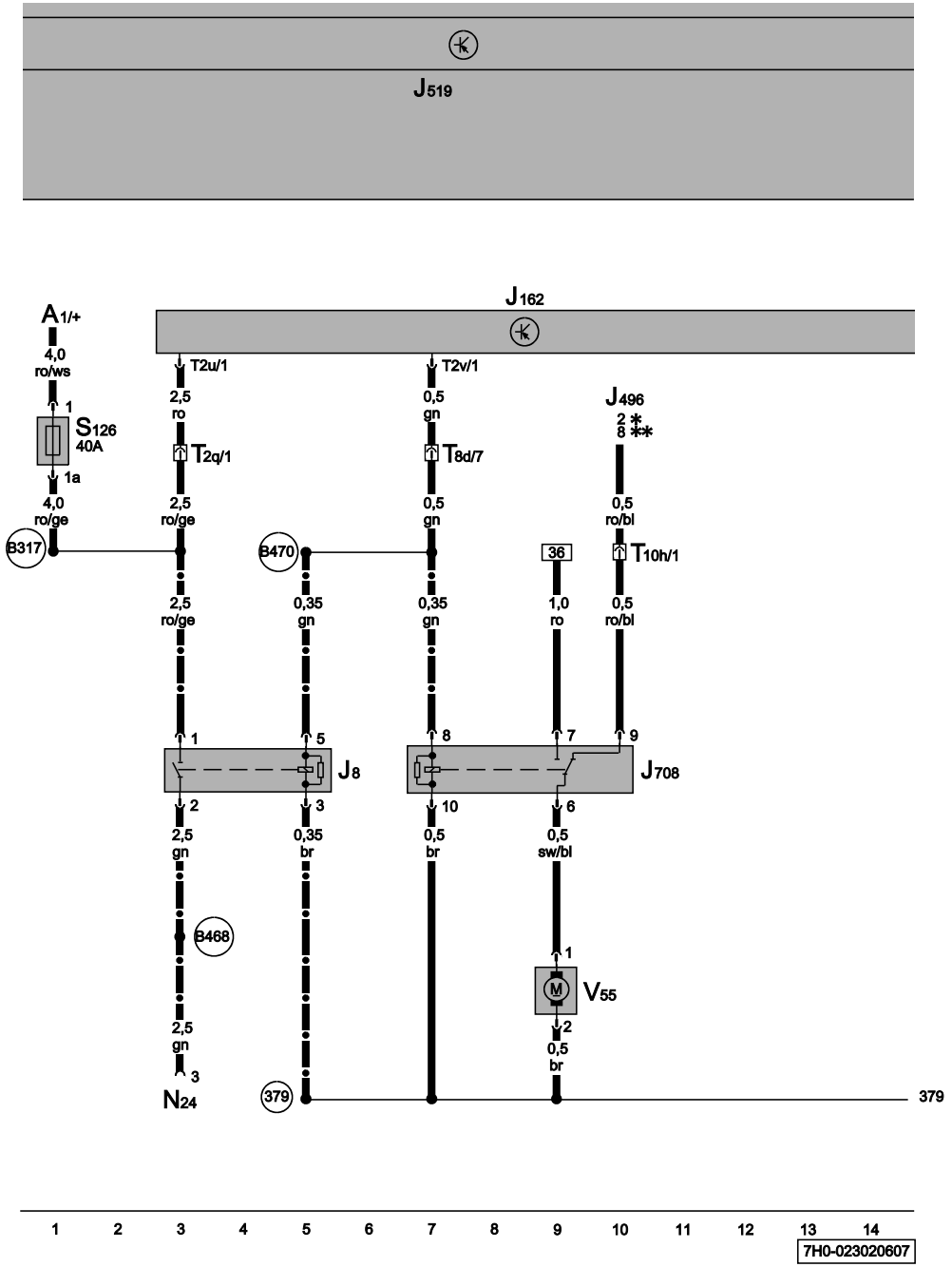
Auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D

⇒ **Remote control receiver**
⇒ **Preselection clock**
⇒ **Utilisation of residual heat**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

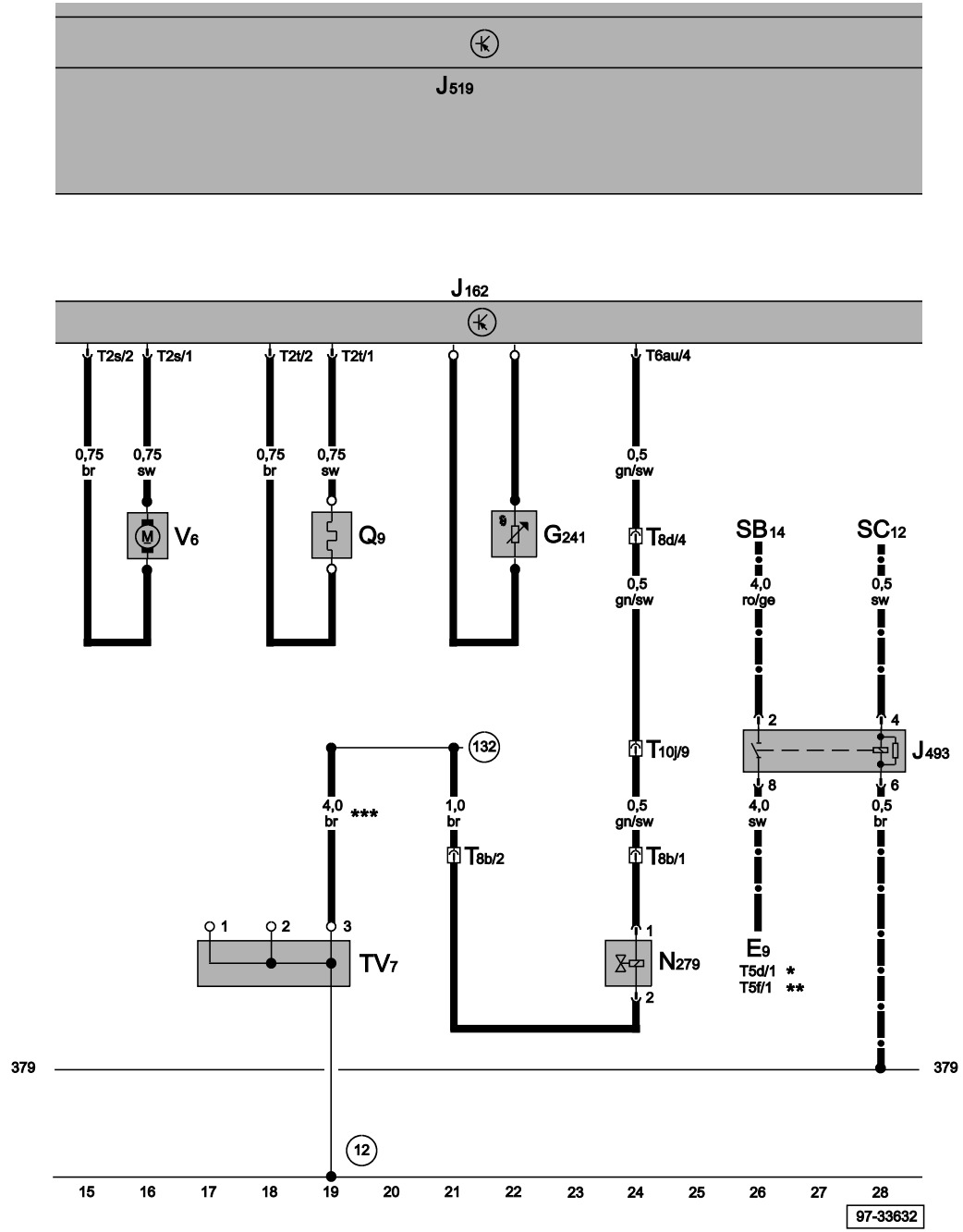


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, auxiliary heater fuse, auxiliary heater relay, residual heat relay, circulation pump

A1	Second battery
J8	Auxiliary heater relay
J162	Heater control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
J708	Residual heat relay
N24	Fresh air blower series resistor with overheating fuse
S126	Auxiliary heater fuse
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
V55	Circulation pump
379	Earth connection 14, in main wiring harness
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
B470	Connection 6 in main wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXA, AXB, AXC, AXD, AXE and BLJ only

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for models without Climatronic only

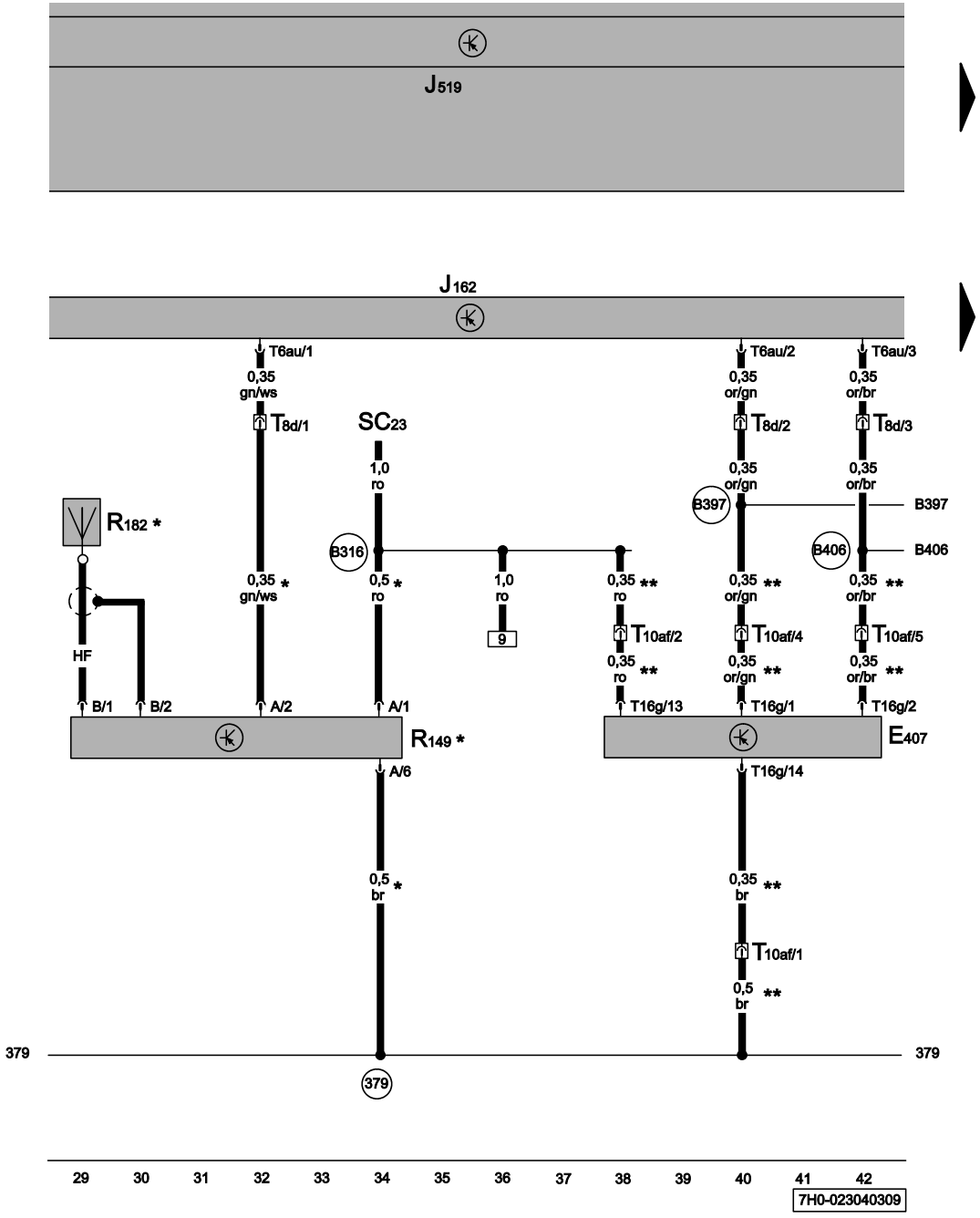


ws = white

Heater control unit, coolant temperature sender for heater, auxiliary coolant heater relay, combustion air blower, heater coolant shut-off valve, glow plug for heater

E9	Fresh air blower switch
G241	Coolant temperature sender for heater
J162	Heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
N279	Heater coolant shut-off valve
Q9	Glow plug for heater
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
T2s	2-pin connector
T2t	2-pin connector
T5d	5-pin connector
T5f	5-pin connector
T6au	6-pin connector, black
T8b	8-pin connector, black, in engine compartment
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
V6	Combustion air blower
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
*	for models with air conditioning system only
**	for models without air conditioning system only
***	Cross-section 6.0 for engine codes AXA, BDL, BDM and BKK only
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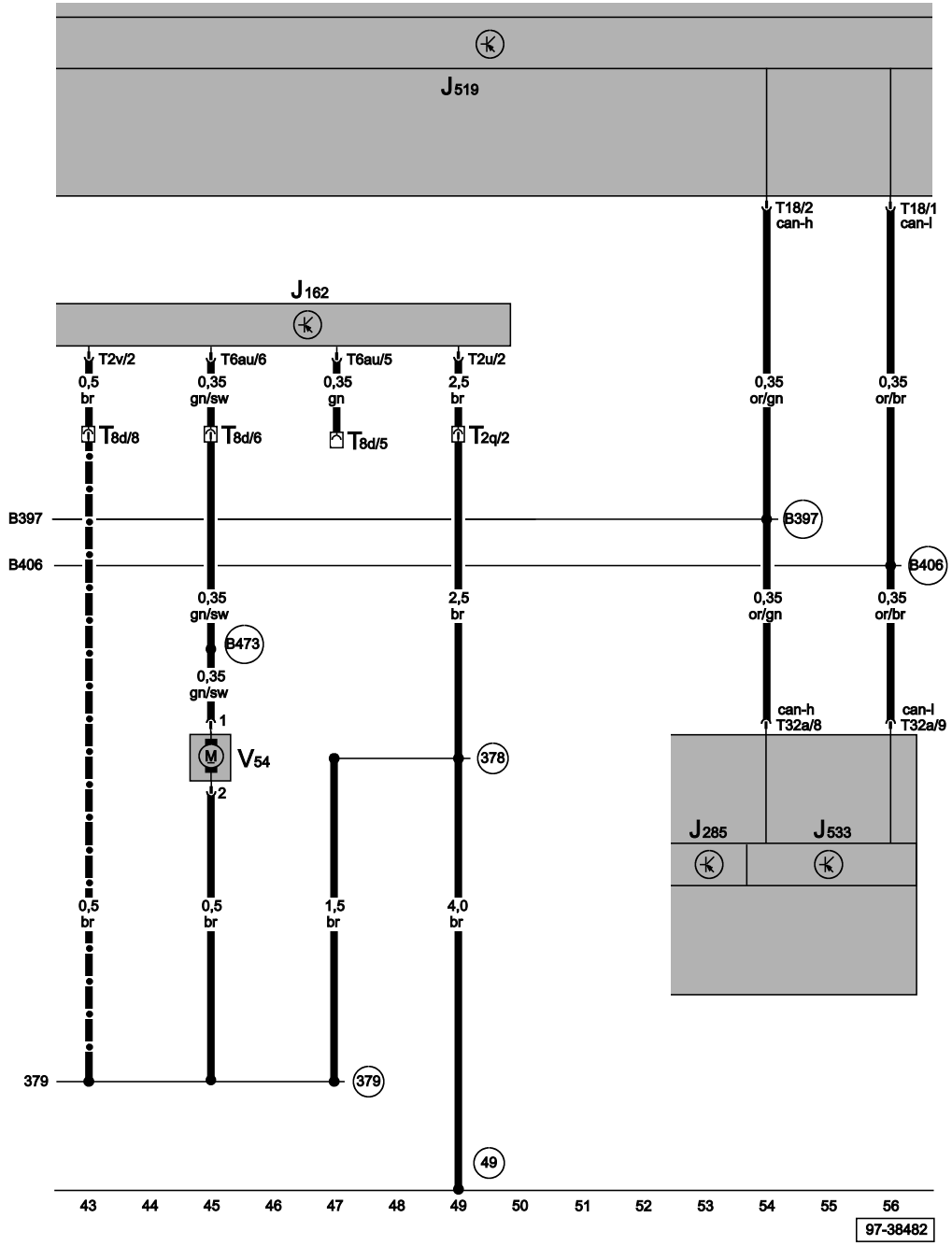
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ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Auxiliary heater control unit, auxiliary heater operating and display unit, remote control receiver for auxiliary coolant heater, auxiliary heater aerial

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J519	Onboard supply control unit
R149	Remote control receiver for auxiliary coolant heater
R182	Auxiliary heater aerial
SC23	Fuse 23 on fuse holder C
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
379	Earth connection 14, in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with remote control receiver for auxiliary coolant heater only
**	for models with auxiliary heater operating and display unit only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, metering pump

J162	Heater control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T18	18-pin connector, black
T32a	32-pin connector, green
V54	Metering pump
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B473	Connection 9 in main wiring harness

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for models without Climatronic only

Auxiliary coolant heater, without remote control receiver and preselection clock

⇒ **Utilisation of residual heat**

from March 2003

Notes:

For information concerning

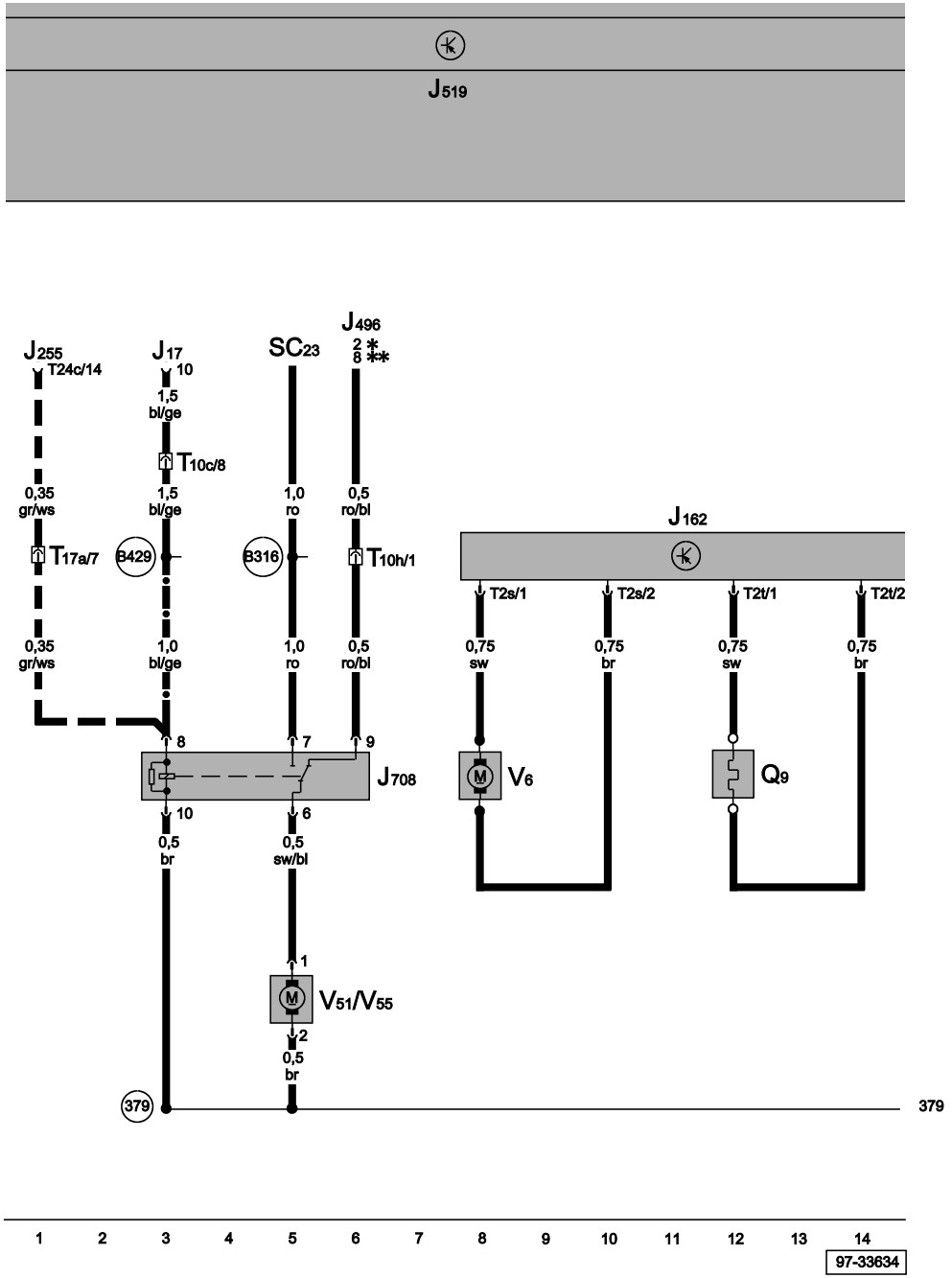
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Heater control unit, residual heat relay, circulation pump, glow plug for heater, combustion air blower

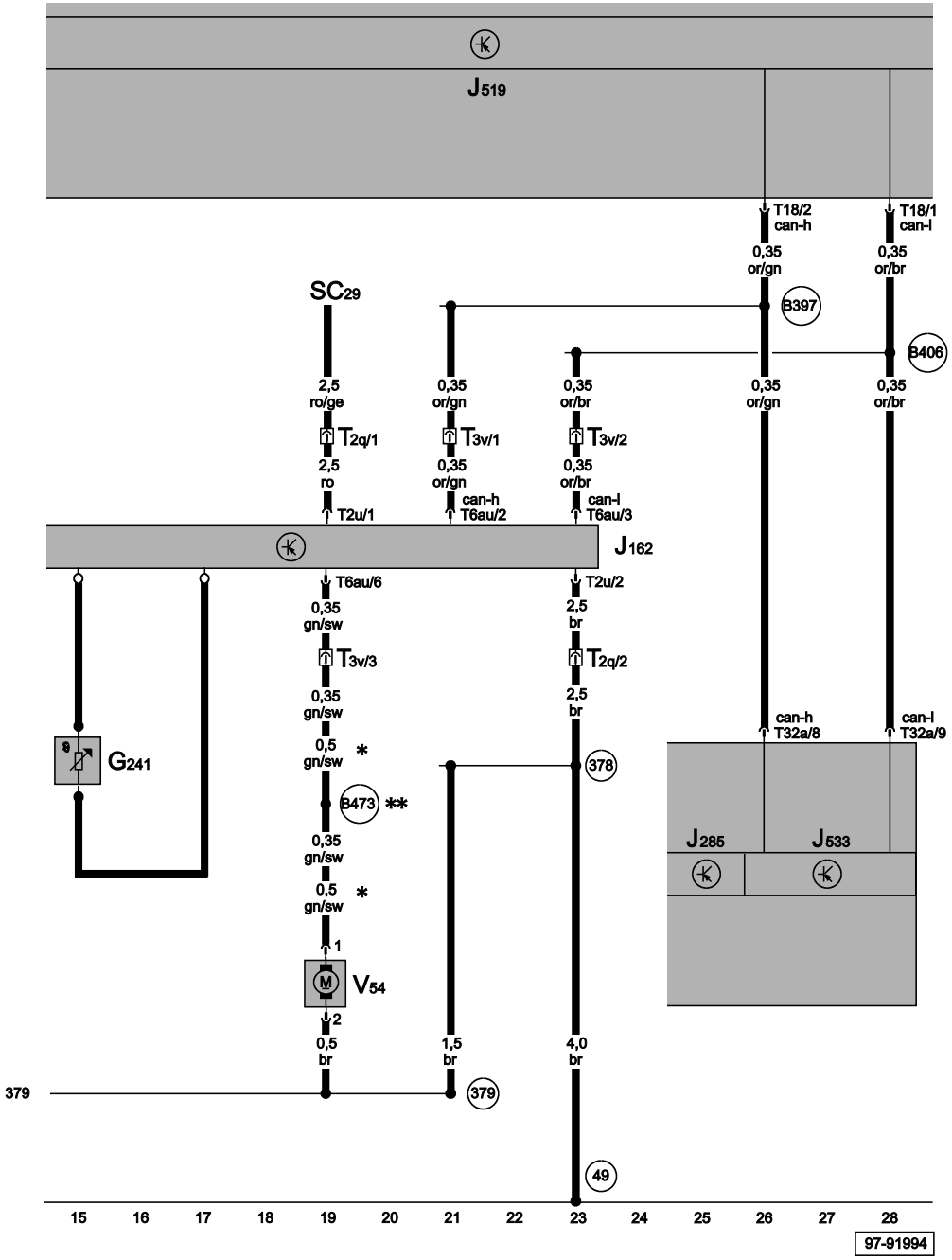
J17	Fuel pump relay
J162	Heater control unit
J255	Climatronic control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
Q9	Glow plug for heater
J708	Residual heat relay
SC23	Fuse -23- on fuse holder
T2s	2-pin connector
T2t	2-pin connector
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector
V6	Combustion air blower
V51	Continued coolant circulation pump
V55	Circulation pump
379	Earth connection -14-, in main wiring harness
B316	Positive connection -2- (30a), in main wiring harness
B429	Connection (EFPR), in main wiring harness
*	For models with engine codes BDL, BDM, BKK only
**	For models with engine codes AXA, AXB, AXC, AXD, AXE only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	For models without Climatronic only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

<fo:exter nal-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>

For models with Climatronic only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, coolant temperature sender, heater, metering pump, control unit with display in dash panel insert

G241	Coolant temperature sender for heater
J162	Heater control unit
J285	Control unit with display in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SC29	Fuse -29- on fuse holder
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T3v	3-pin connector, black, on underbody, next to the auxiliary heater
T6au	6-pin connector, black
T18	18-pin connector, black
T32a	32-pin connector, green, on dash panel insert
V54	Metering pump
49	Earth point, near bulkhead
378	Earth connection -13-, in main wiring harness
379	Earth connection -14-, in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection -1- (convenience CAN bus, low), in main wiring harness
B473	Connection -9- in main wiring harness
*	Applicable from December 2003
**	Is dropped from February 2004

Utilisation of residual heat, not fitted with an auxiliary coolant heater, Heater support when driving, not fitted with an auxiliary coolant heater

From March 2003

Notes!

Information concerning

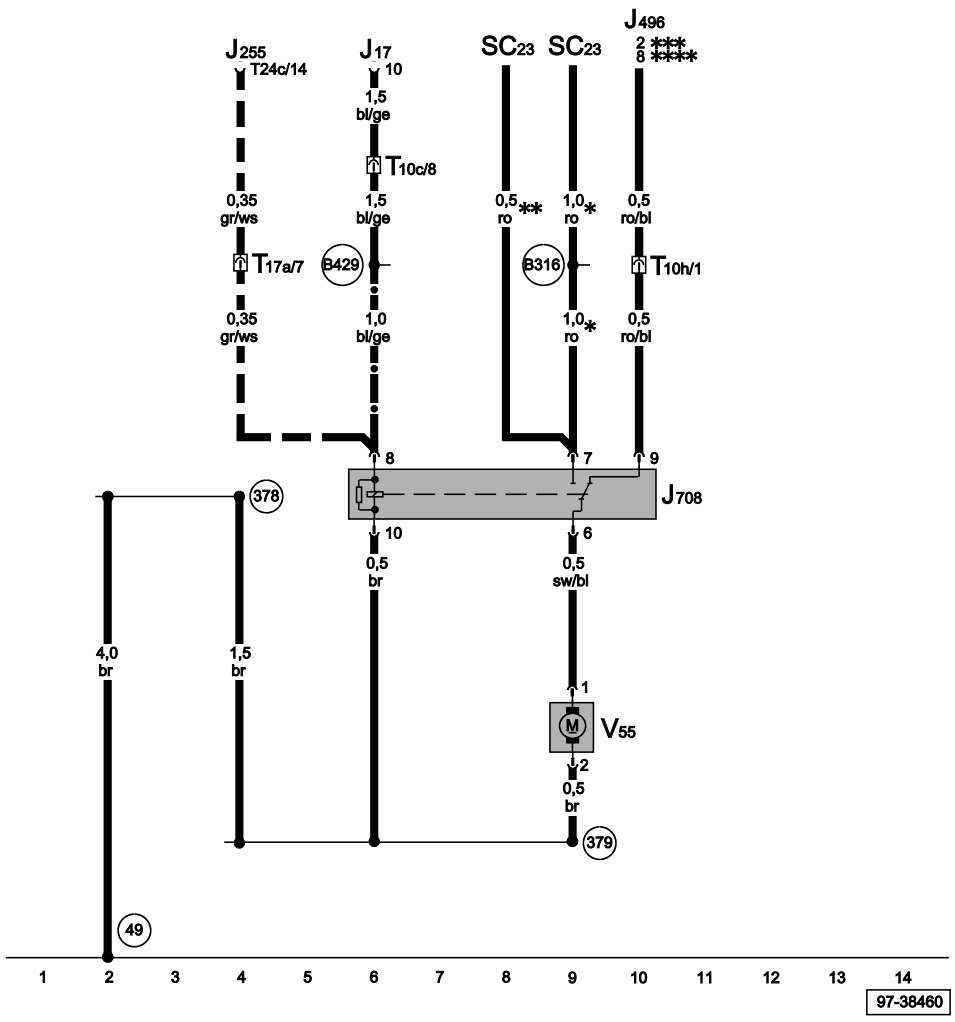
- Relay locations and fuse assignment
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ Fitting locations overview!

Information concerning

- Fault finding programs

⇒ Guided fault finding

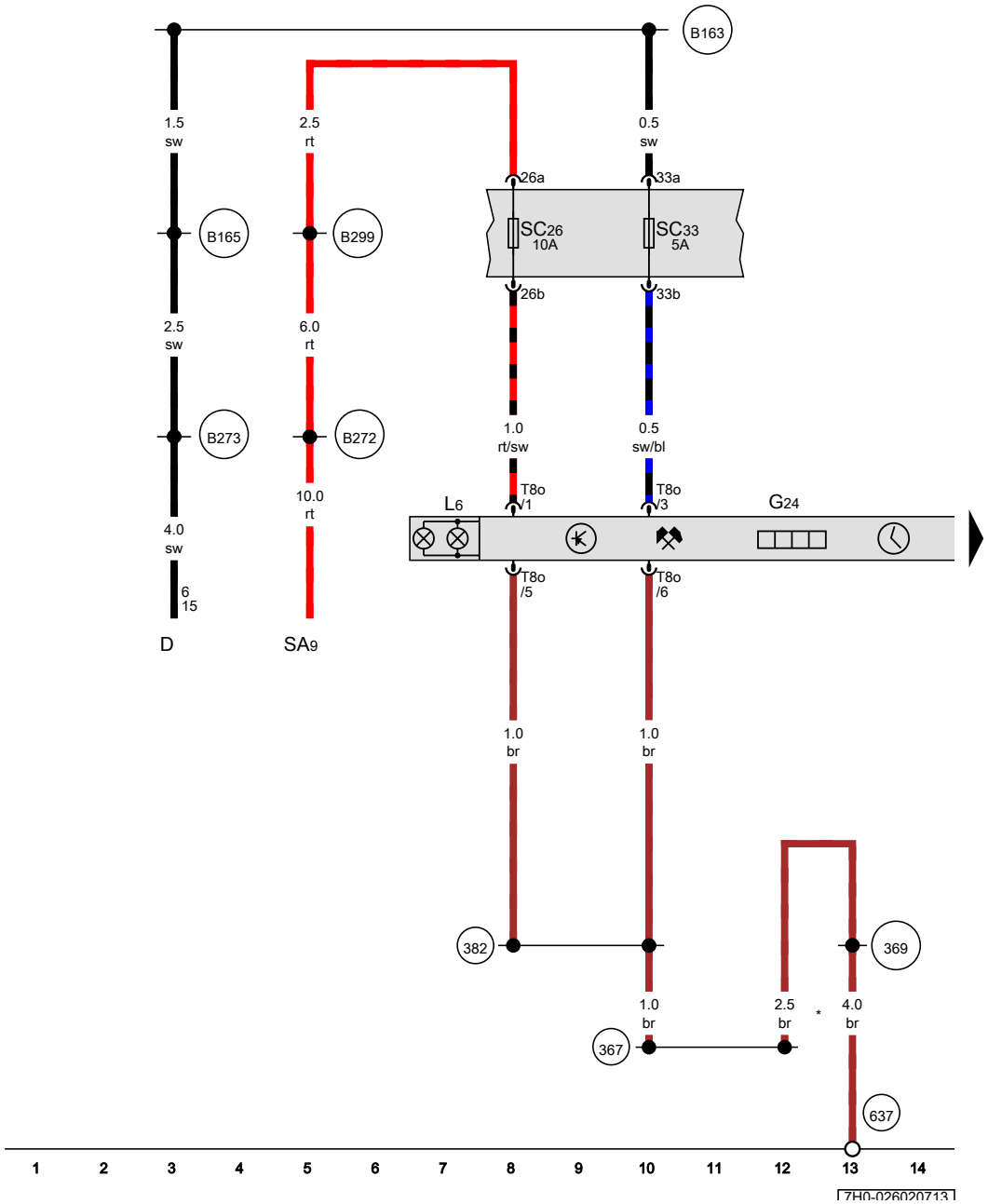


Residual heat pump relay, additional cooling system pump relay, circulation pump

J17	Fuel pump relay
J255	Climatronic control unit
J496	Additional coolant pump relay
J708	Residual heat relay
SC23	Fuse -23- on fuse holder
T10c	10-pin connector, yellow, E-box coupling station in engine compartment
T10h	10-pin connector, orange, E-box coupling station in engine compartment
T17a	17-pin connector, black, behind glove compartment
T24c	24-pin connector
V55	Circulation pump
49	Earth point, near bulkhead
378	Earth connection -13-, in main wiring harness
379	Earth connection -14-, in main wiring harness
B316	Positive connection -2- (30a), in main wiring harness
B429	Connection (EFPR), in main wiring harness
*	Applies only to models with an auxiliary air heater
**	Applies only to models not fitted with an auxiliary air heater
***	Applies only to models with engine codes BDL, BDM, BKK
****	Applies only to models with engine codes AXA, AXB, AXC, AXD, AXE
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	Applies only to models not fitted with Climatronic
<fo:external-graphic src="/../	Applies only to models with Climatronic

Tachograph , (9ND),(9NE),(9NS),(9NT),(9NZ)

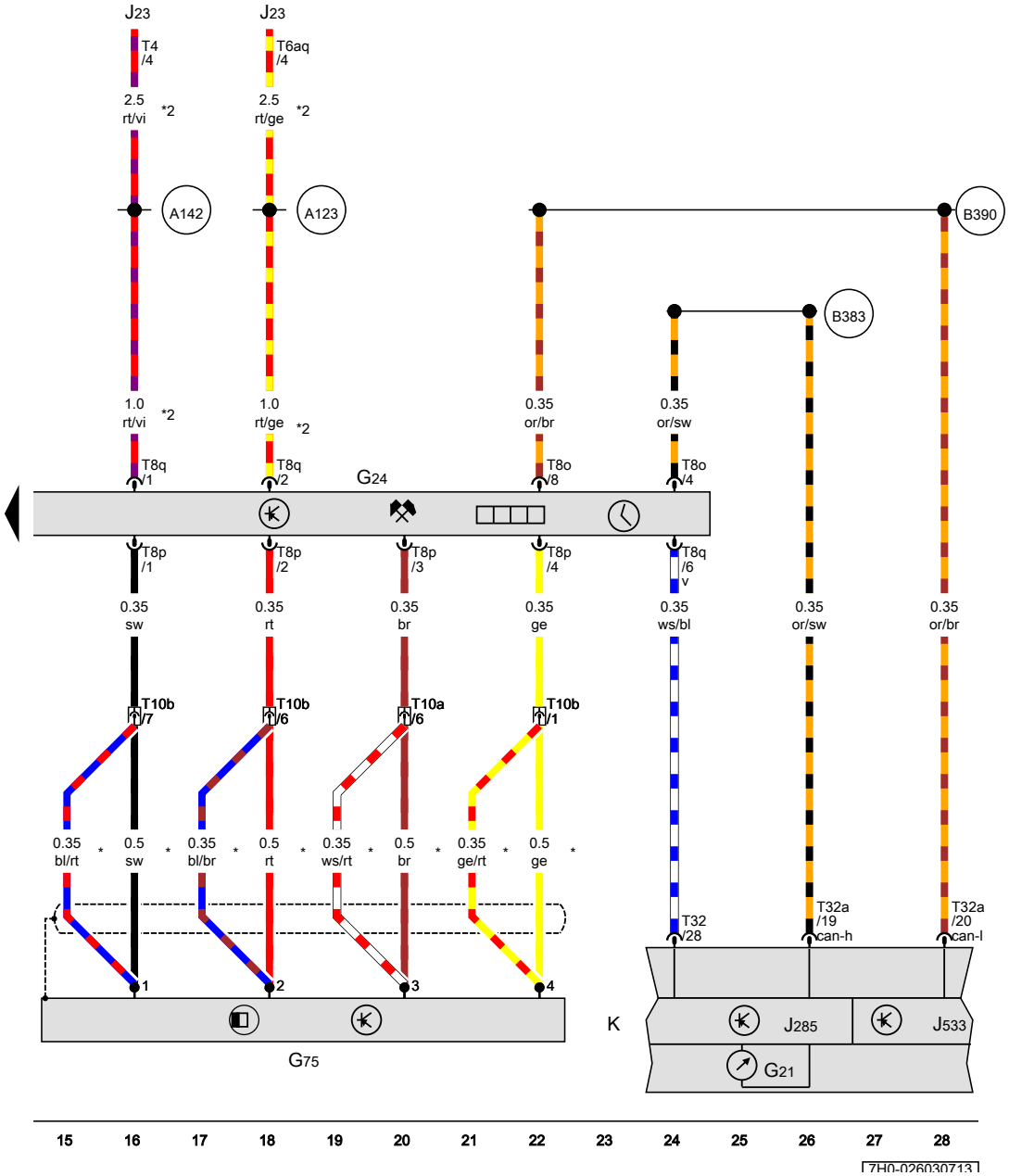
From March 2003



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Tachograph, Speedometer illumination bulb, Fuse 26 on fuse holder C, Fuse 33 on fuse holder C

D	Ignition/starter switch
G24	Tachograph
L6	Speedometer illumination bulb
SA9	Fuse 9 in fuse holder A
SC26	Fuse 26 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
382	Earth connection 17, in main wiring harness
637	Earth point, airbag control unit
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 1.5 possible



Tachograph, Tachograph sender, Data bus diagnostic interface, Dash panel insert

G21	Speedometer
G24	Tachograph
G75	Tachograph sender
J23	Rotating light and siren system control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
T4	4-pin connector, black
T6aq	6-pin connector, black
T8o	8-pin connector, white
T8p	8-pin connector, yellow
T8q	8-pin connector, brown
T10a	10-pin connector, in E-box in engine compartment, brown
T10b	10-pin connector, in E-box in engine compartment, white
T32	32-pin connector, blue
T32a	32-pin connector, blue
A123	Connection (siren), in dash panel wiring harness
A142	Positive connection 2 (siren), in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Wiring colour depends on equipment
*2	Only models with special signal

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

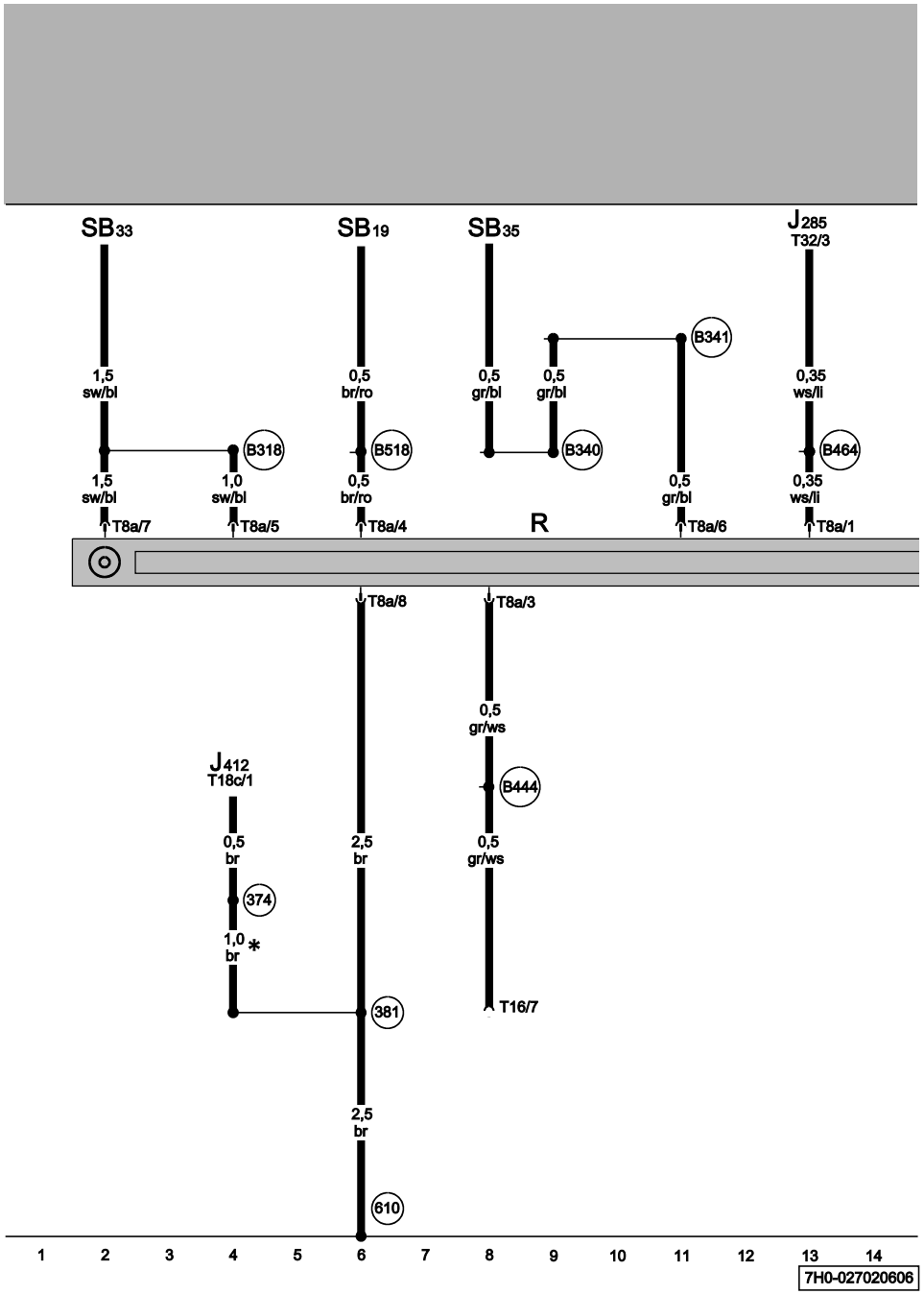
Radio system Alpha, Beta, Gamma

⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

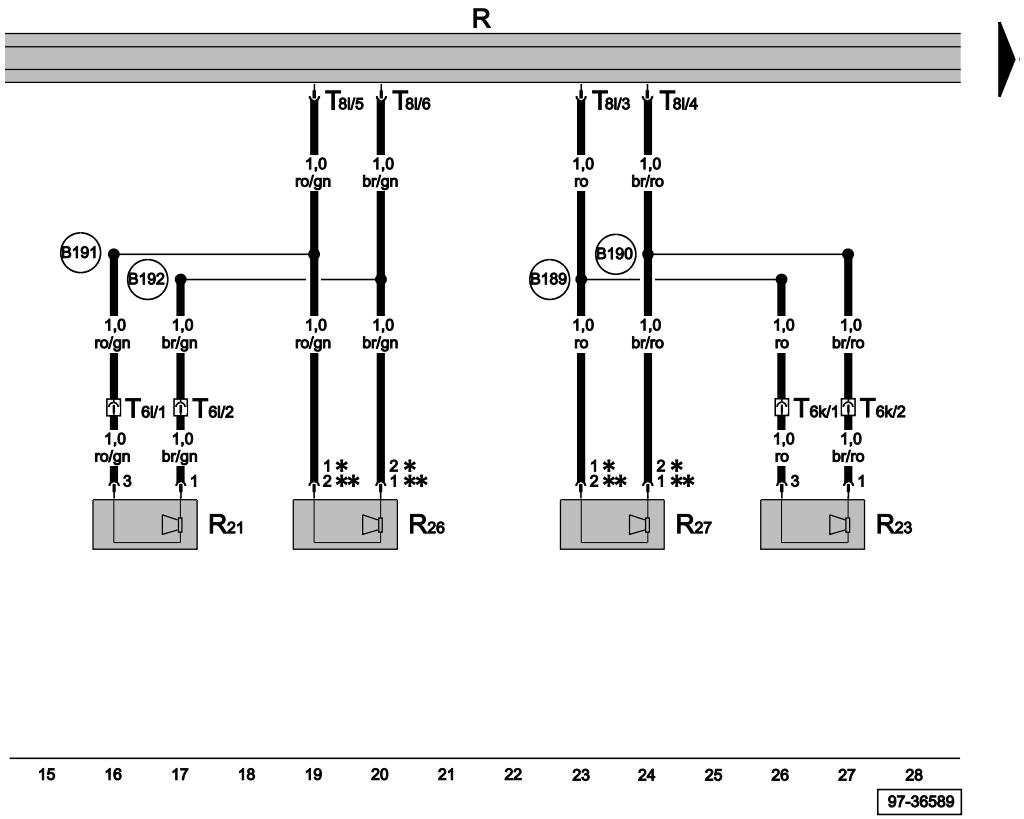


Radio, voltage supply

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
T8a	8-pin connector, black
T16	16-pin connector, diagnostic connector
T18c	18-pin connector, VDA connection
T32	32-pin connector, blue
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	only for models with telephone, always present from January 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





ws = white
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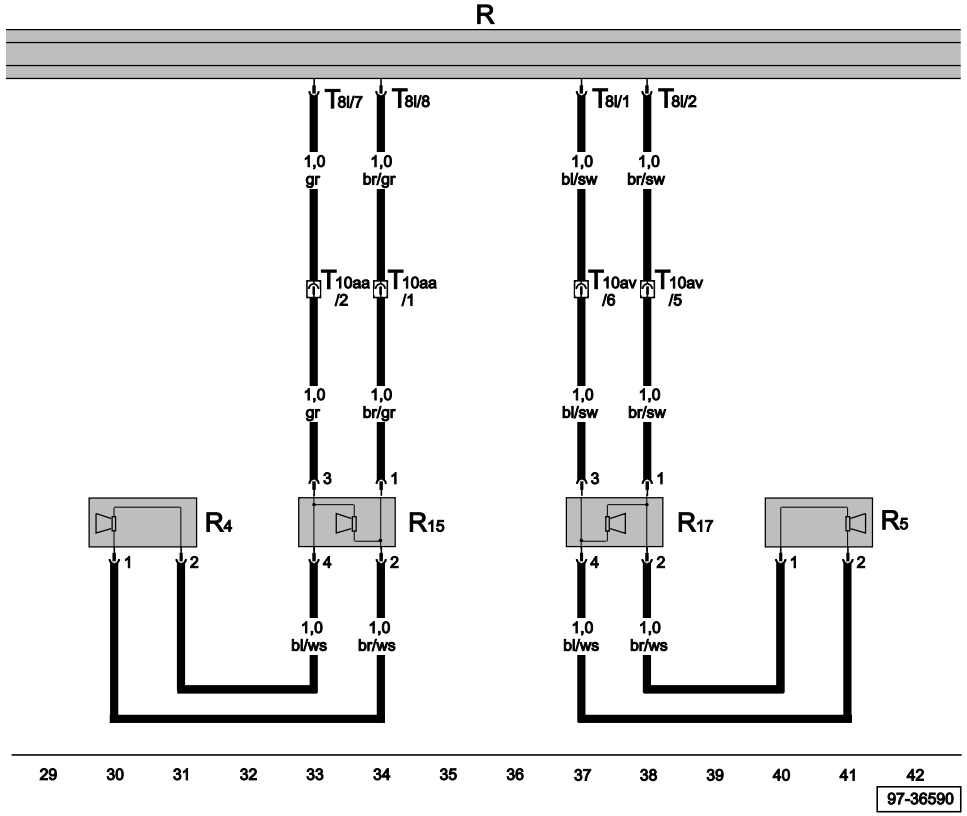
Radio, front loudspeaker

R	Radio
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8l	8-pin connector, brown
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	for radio system with 4 loudspeakers only
**	for radio system with 8 loudspeakers only



Radio, rear loudspeaker (for radio system with 8 loudspeakers only)

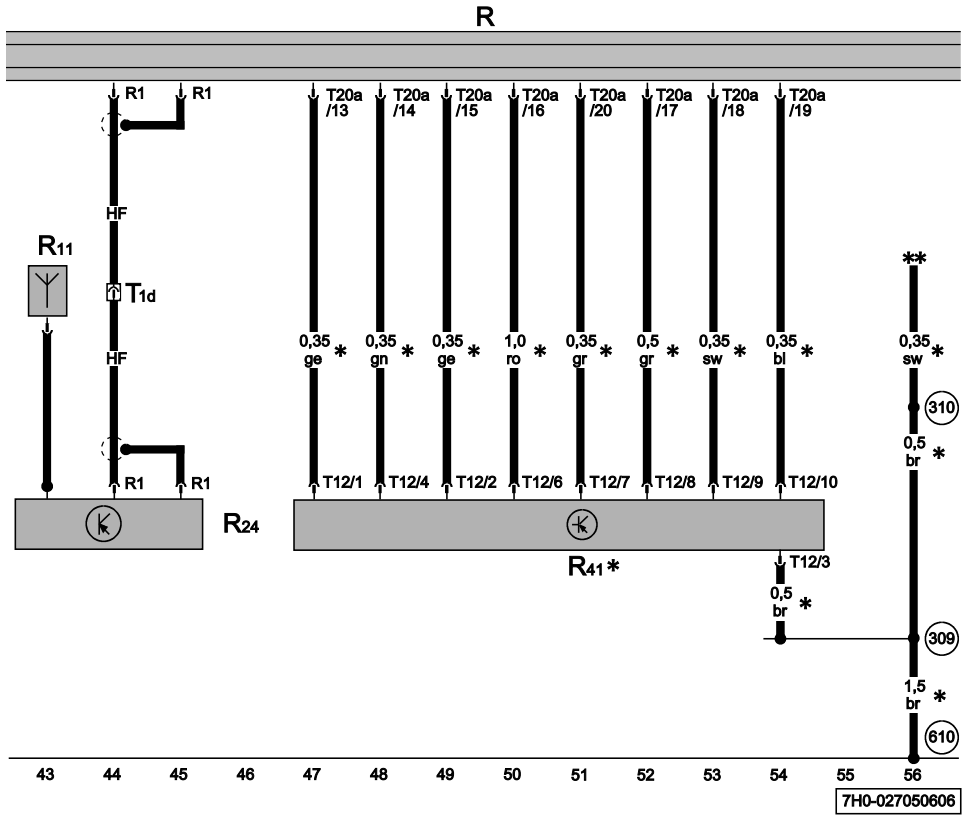
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



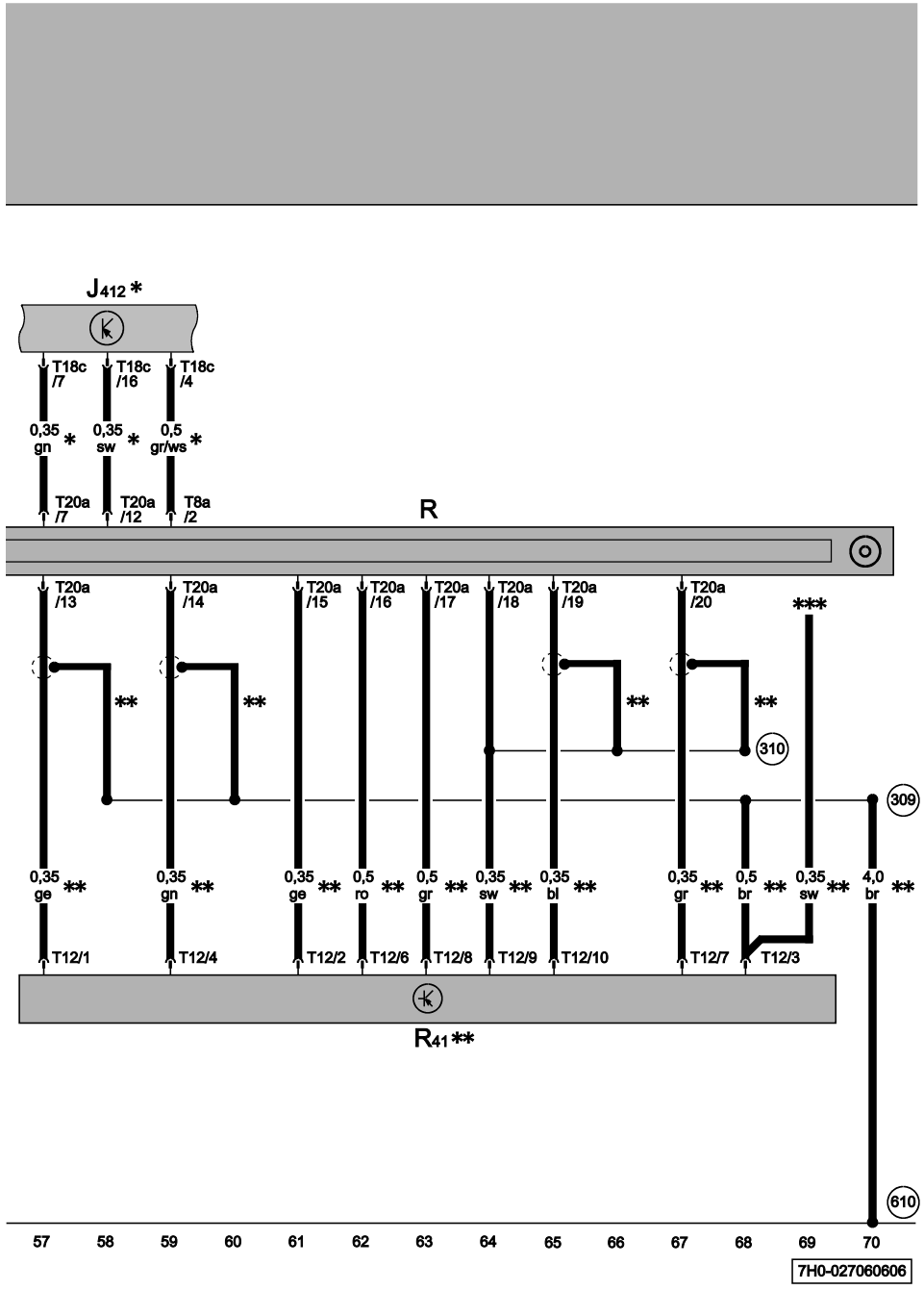
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Aerial, aerial amplifier, prepared for CD changer

R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	applicable from January 2006, for models with CD changer of prepared for CD changer only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Radio, aerial, aerial amplifier, mobile telephone operating electronics control unit, CD changer

J412	Mobile telephone operating electronics control unit
R	Radio
R41	CD changer
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	applicable up to December 2005, for models with CD changer of prepared for CD changer only
***	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

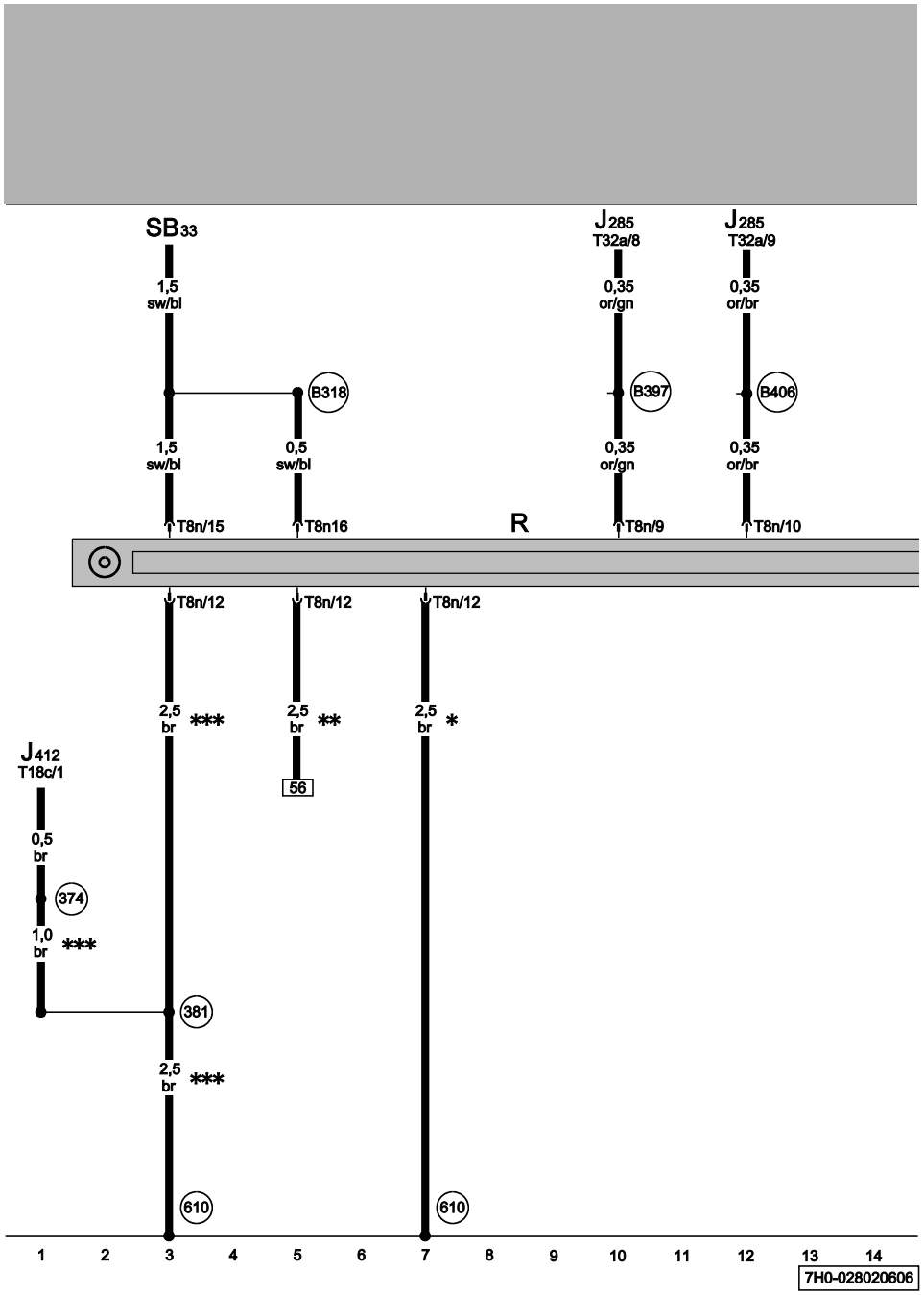
Radio system Delta

⇒ **8 loudspeakers**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

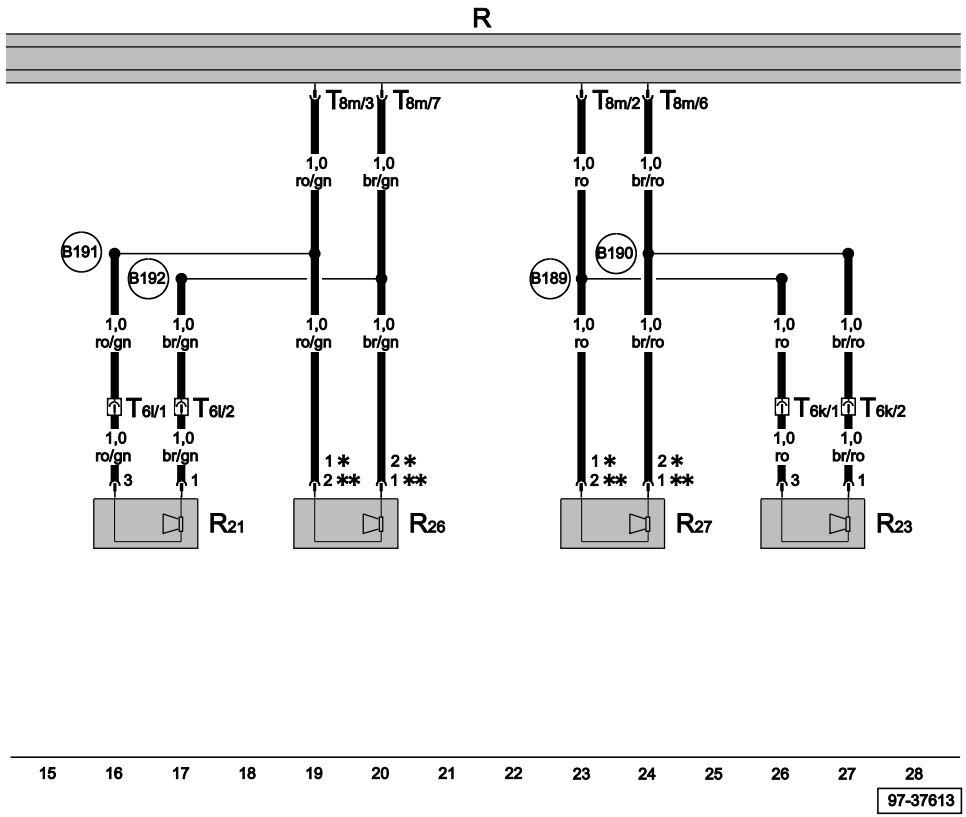


Voltage supply radio

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T18c	18-pin connector, VDA connection
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to December 2005, for models without CD changer of prepared for CD changer only
**	applicable up to December 2005, for models with CD changer of prepared for CD changer only
***	applicable from January 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



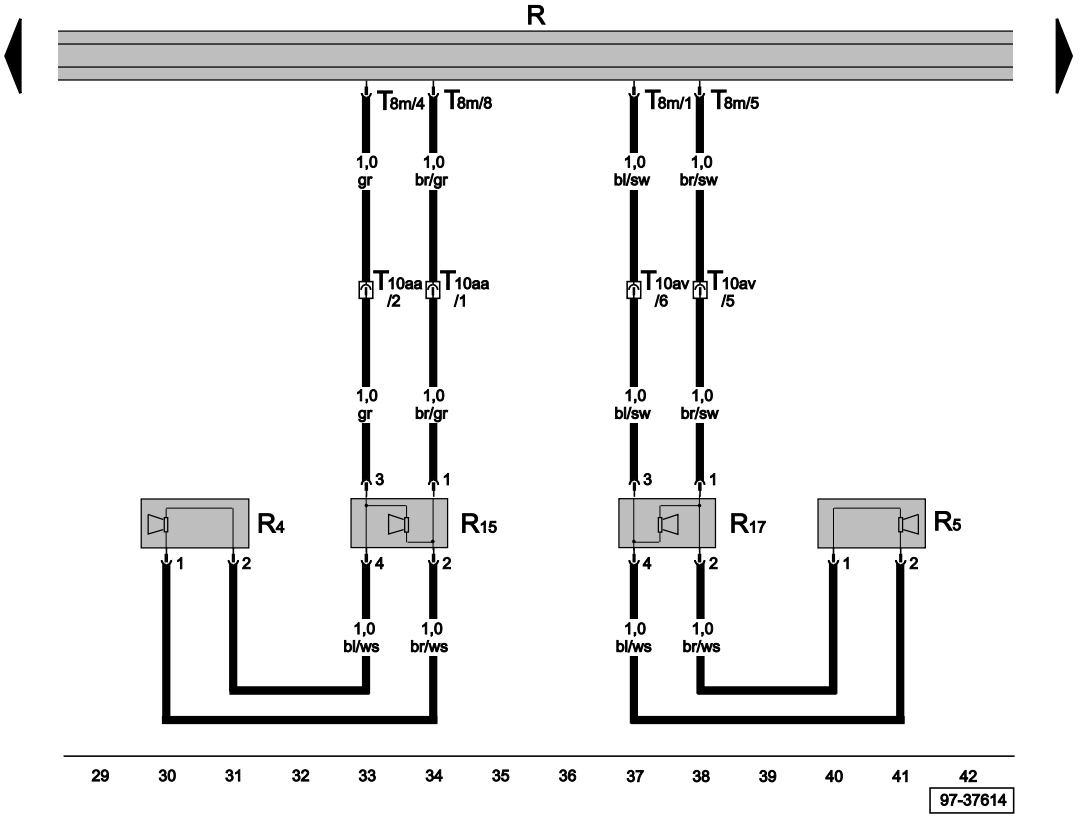


Radio, front loudspeakers

R	Radio
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	applicable up to May 2003
**	applicable from June 2003

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

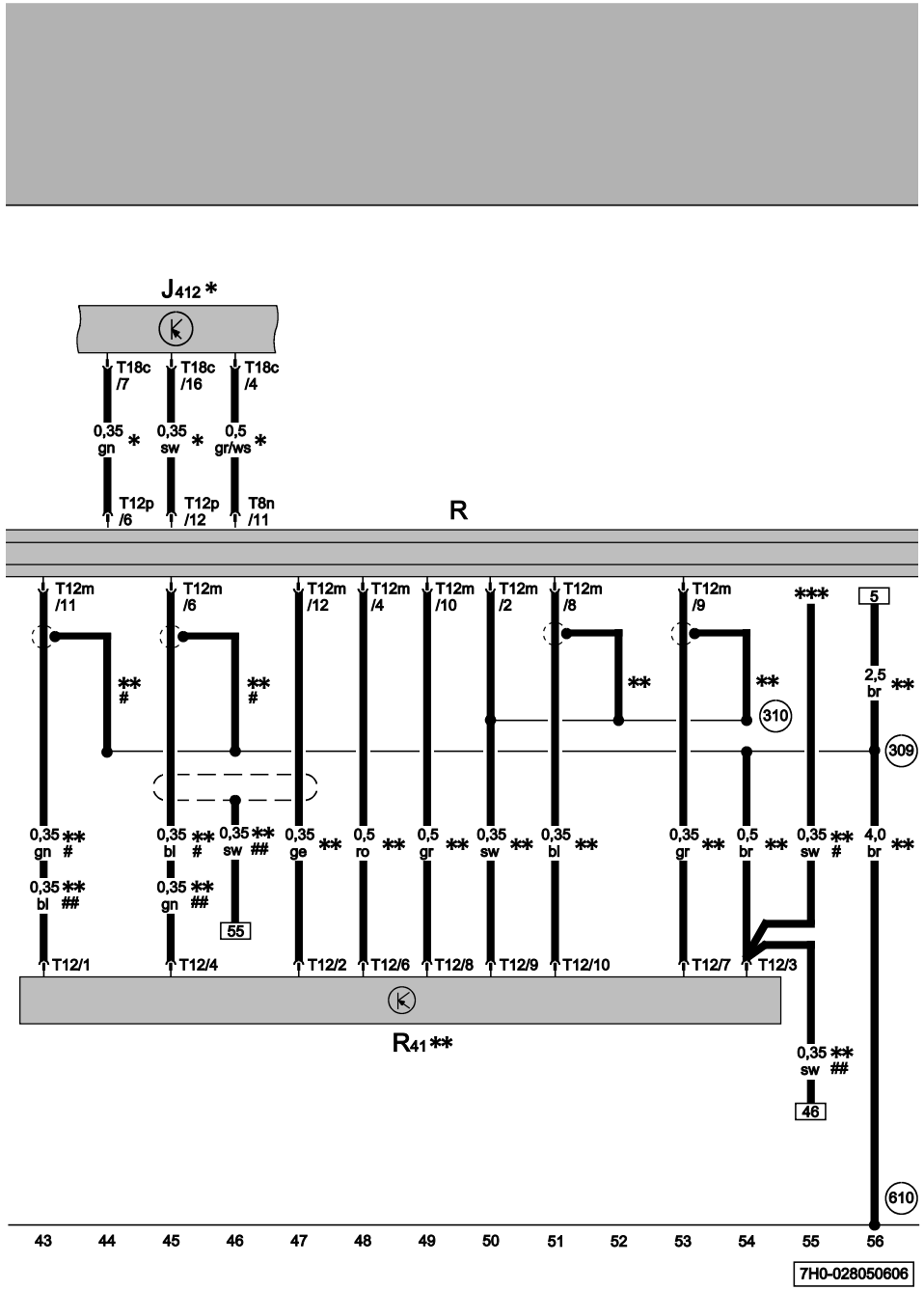




Radio, rear loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



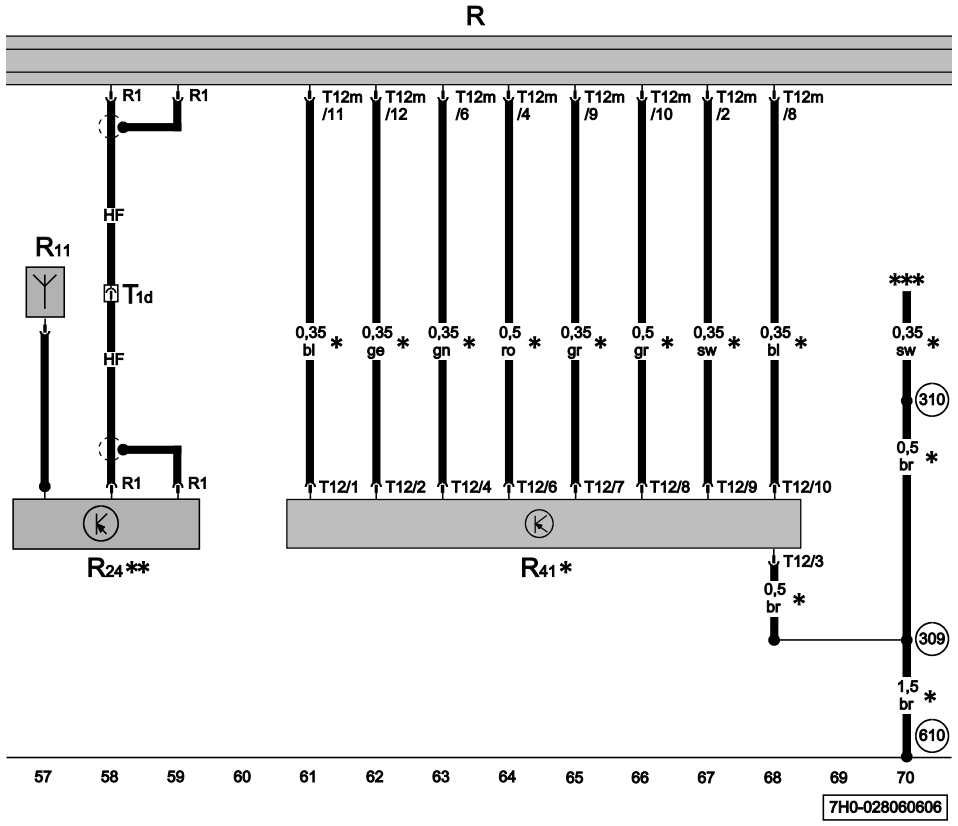
Radio, mobile telephone operating electronics control unit, CD changer

J412	Mobile telephone operating electronics control unit
R	Radio
R41	CD changer
T8n	8-pin connector
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	applicable up to December 2005, for models with CD changer of prepared for CD changer only
***	Wiring open end
#	applicable up to February 2004
##	applicable from March 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

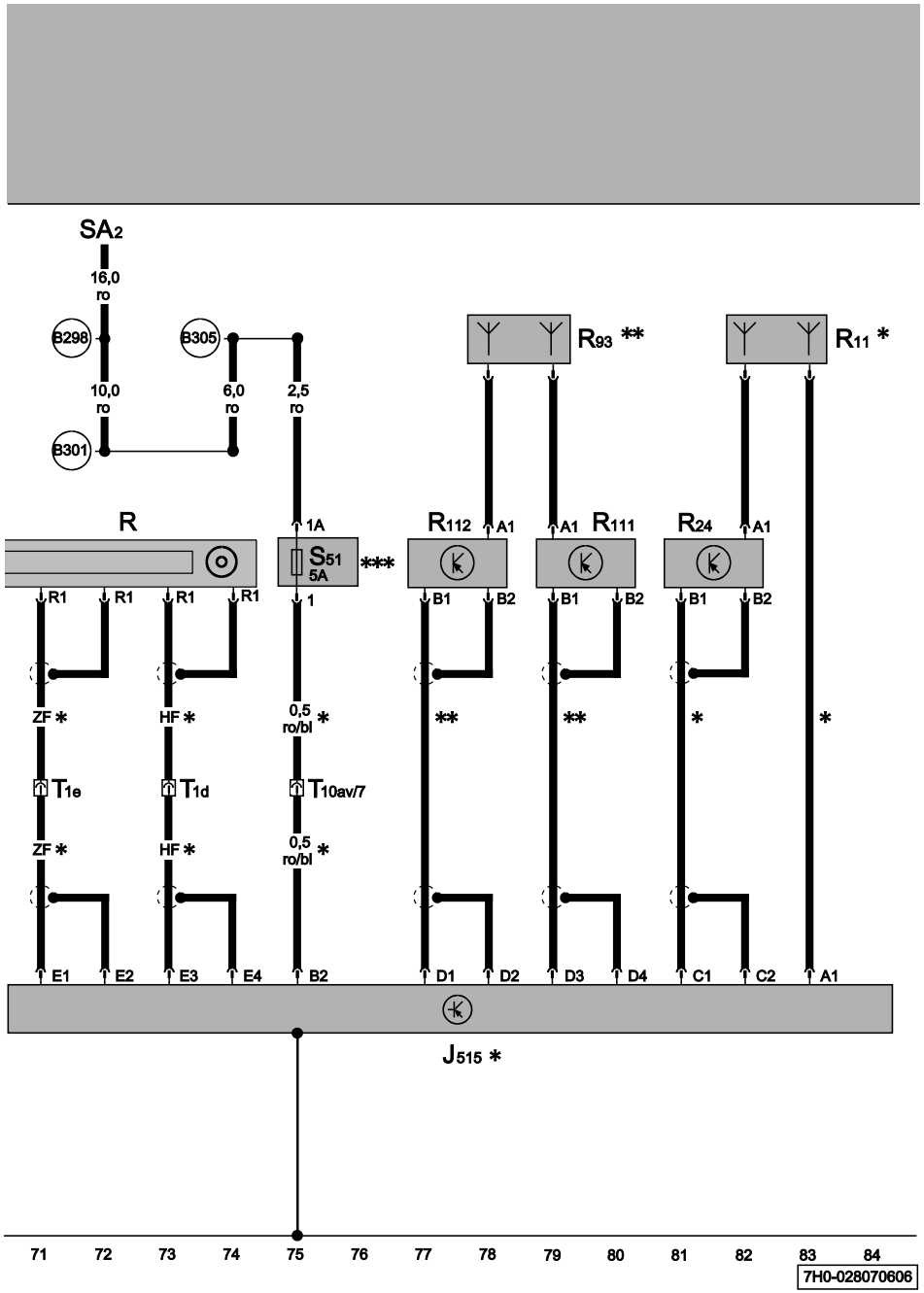
Radio, CD changer, aerial, aerial amplifier

R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	applicable from January 2006, for models with CD changer of prepared for CD changer only
**	for camper only
***	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier



J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	For Multivan only
**	for Multivan only, applicable up to May 2005
***	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

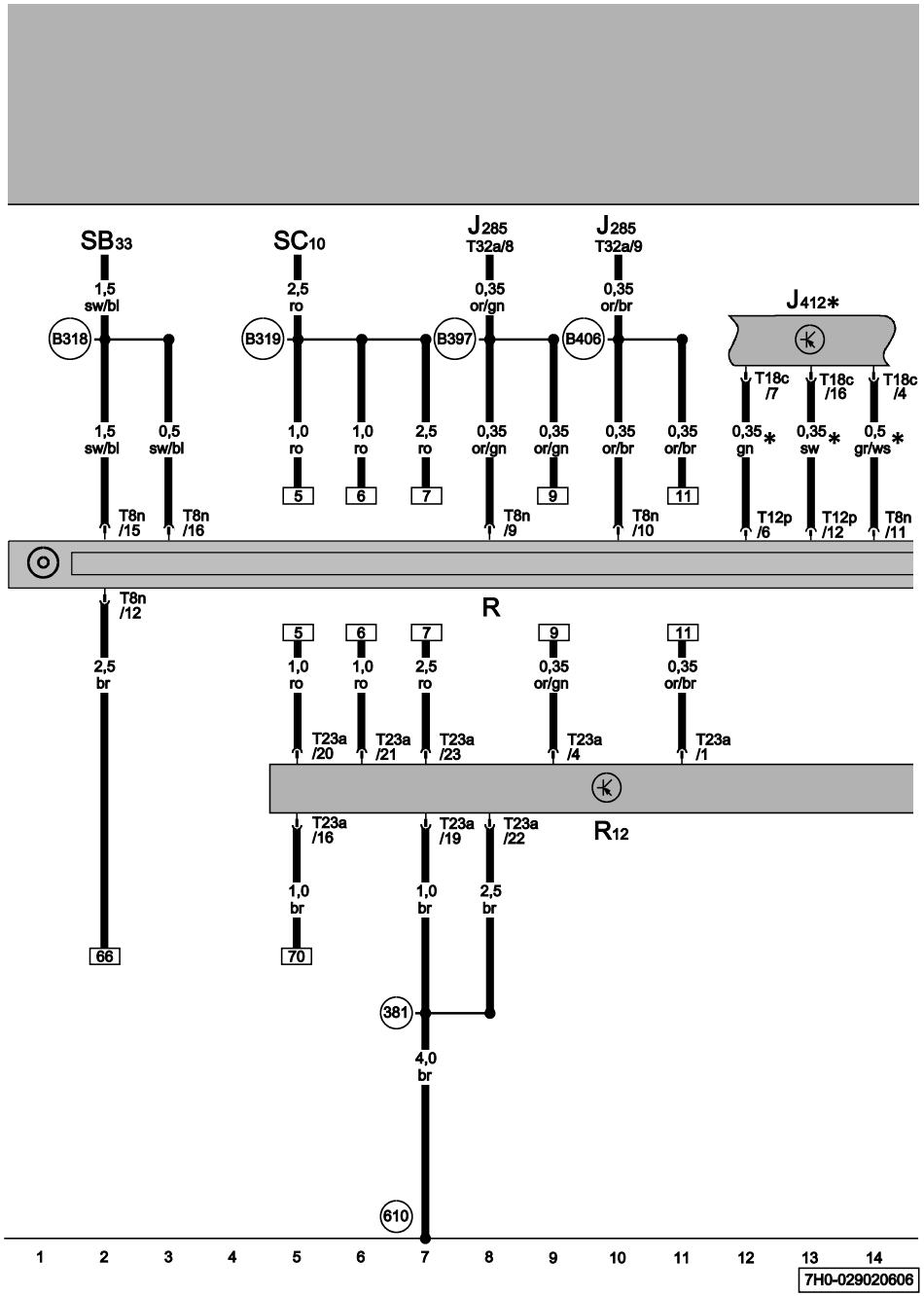
Radio system Delta with sound package

⇒ **8 channel amplifier**
⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



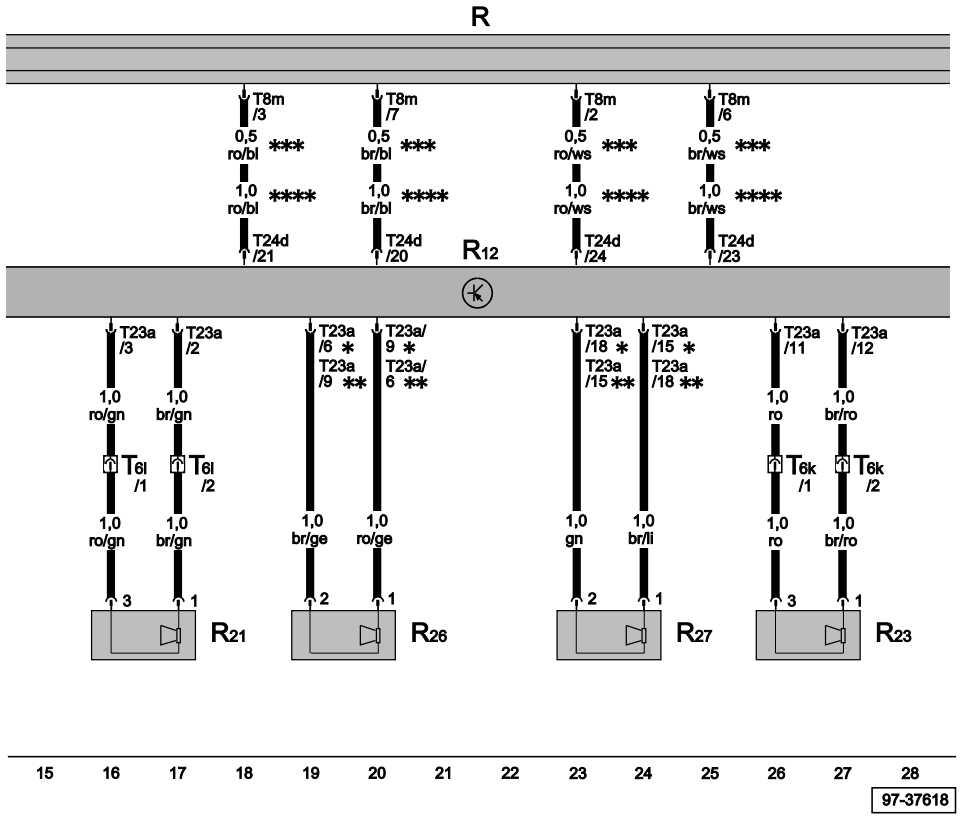
Voltage supply, radio, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
T32a	32-pin connector, green
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, amplifier, front loudspeakers

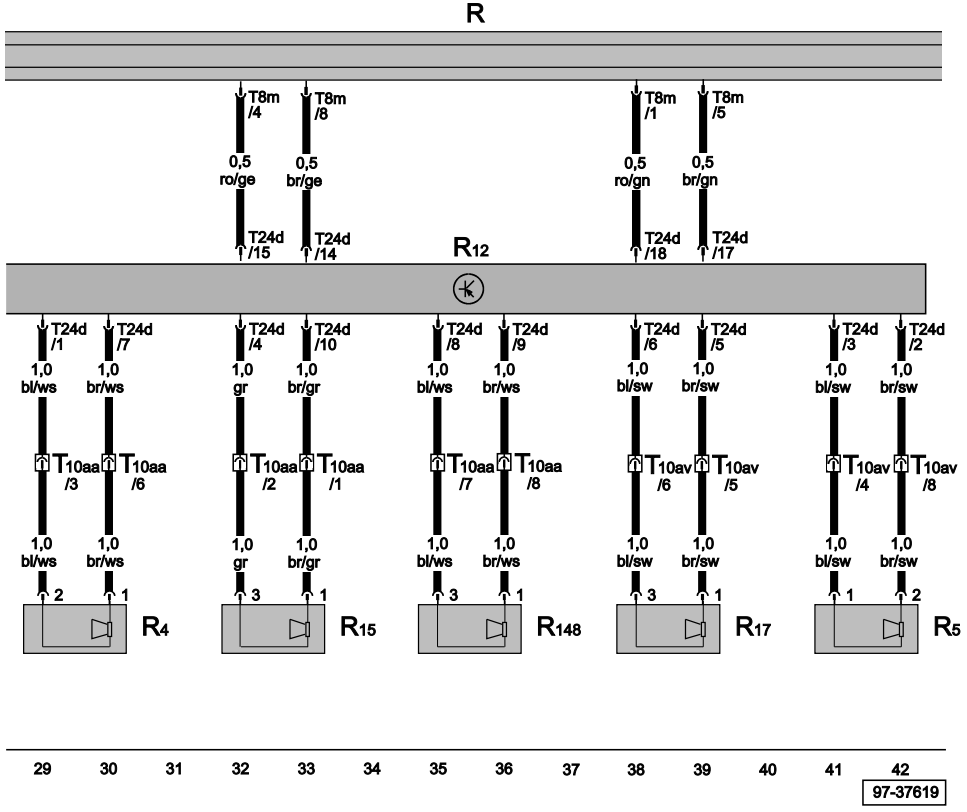
R	Radio
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
T23a	23-pin connector, red
T24d	24-pin connector, brown
*	applicable up to April 2003
**	applicable from May 2003
***	applicable up to January 2004
****	applicable from February 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, amplifier, rear loudspeaker, middle loudspeaker (applicable up to May 2003)

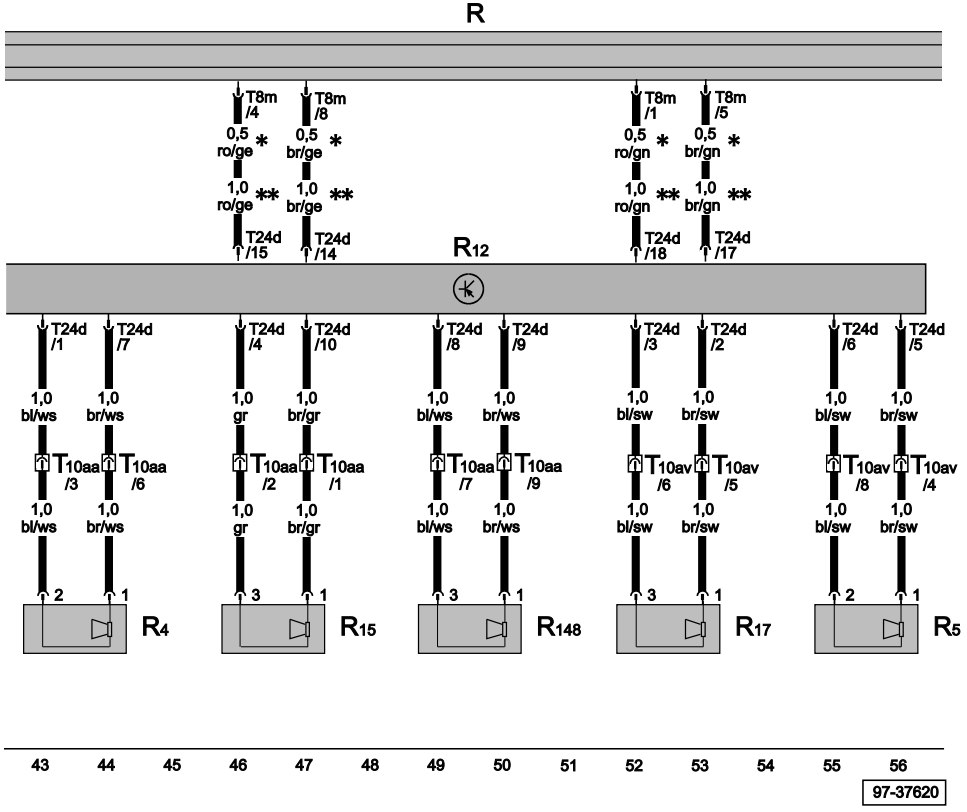
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, amplifier, rear loudspeaker, middle loudspeaker (applicable from June 2003)

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown
*	applicable up to January 2004
**	applicable from February 2004

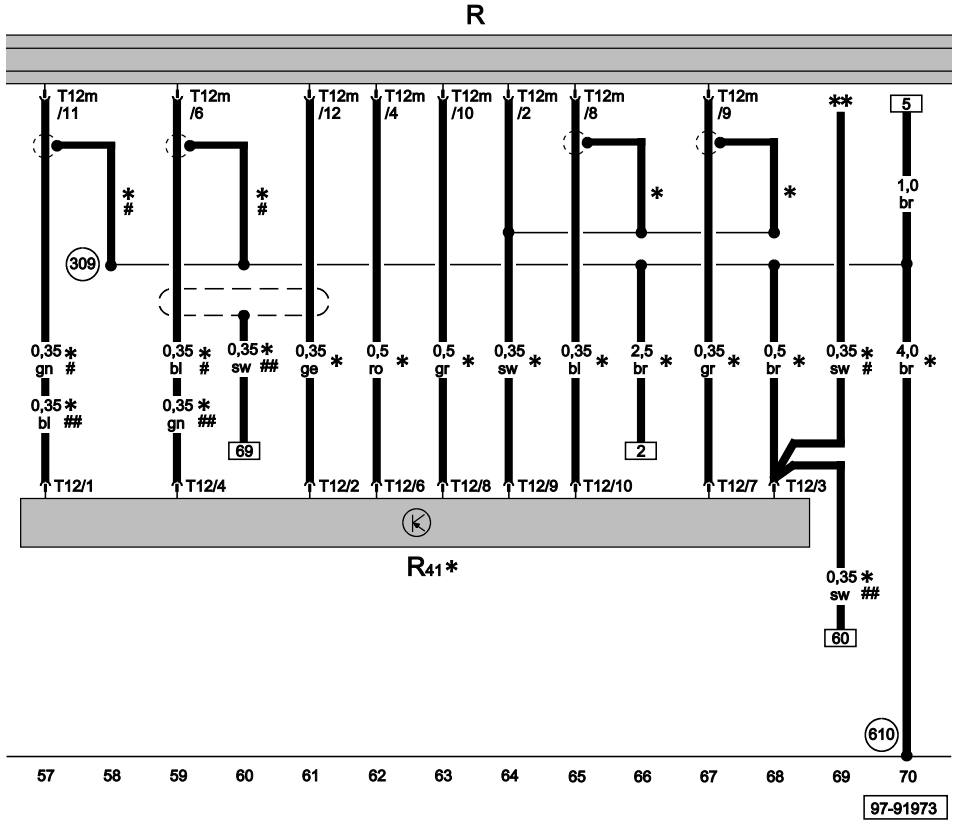


ws = white
sw = black
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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

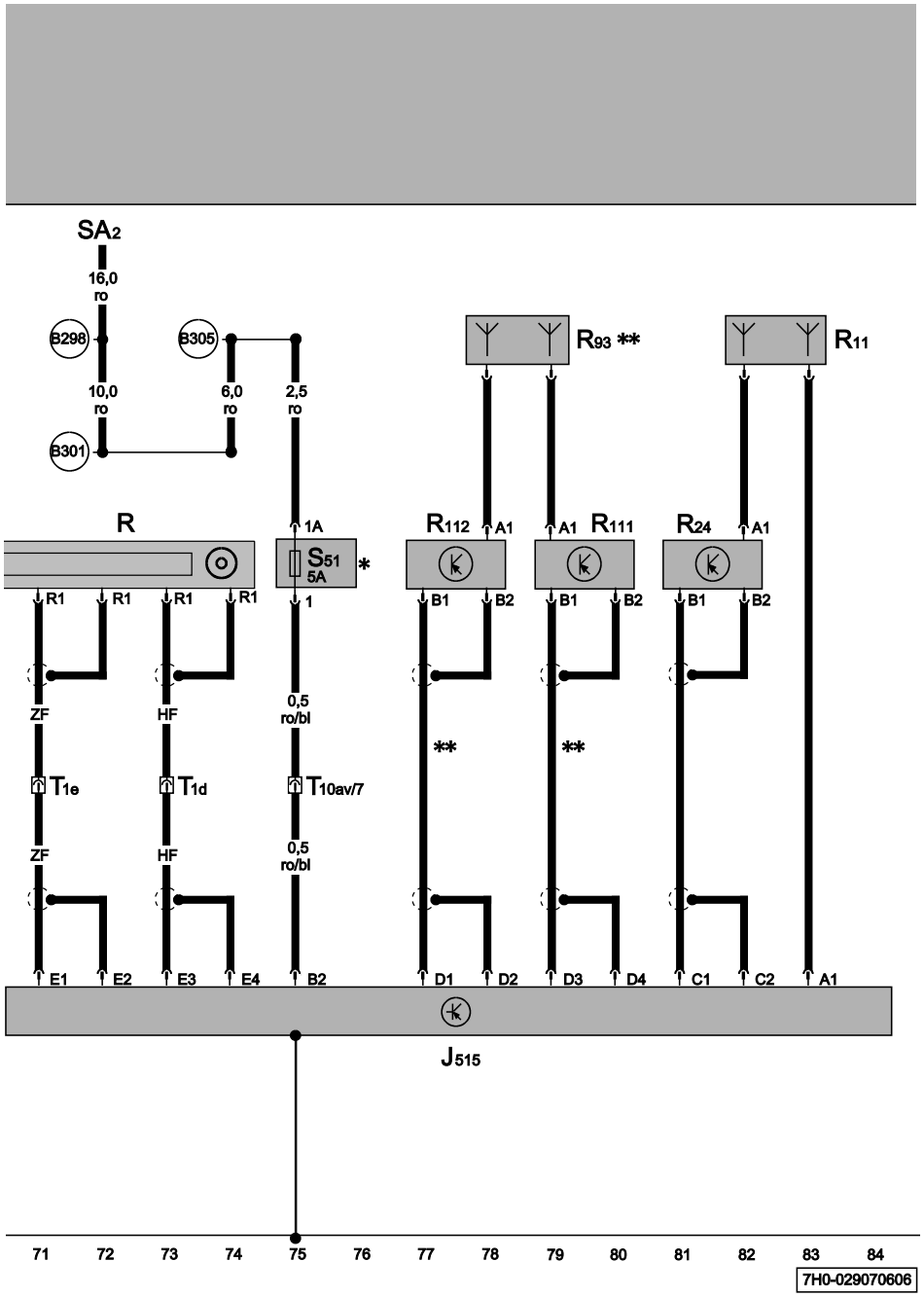


Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	Wiring open end
#	applicable up to February 2004
##	applicable from March 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations
**	applicable up to May 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

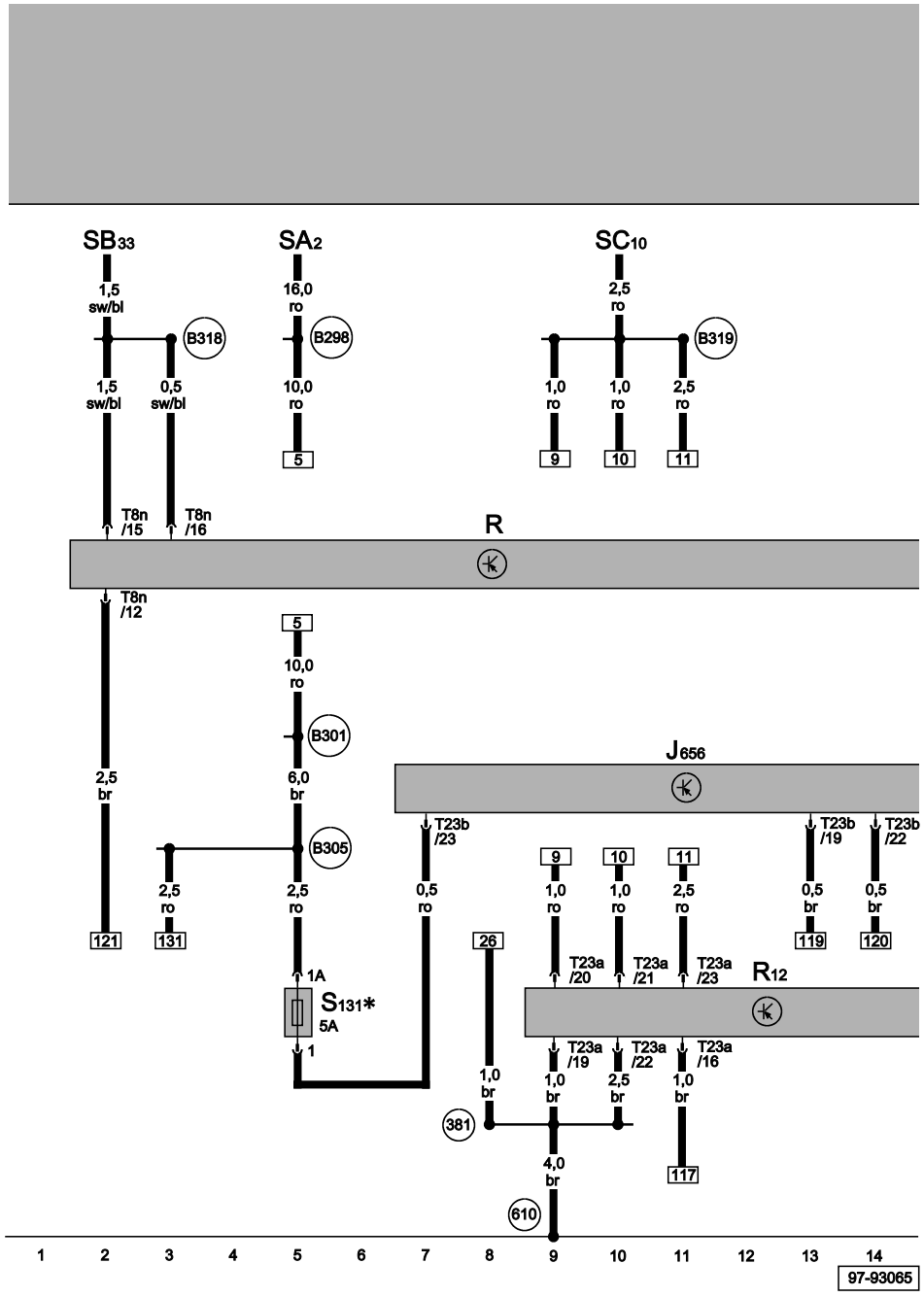
Radio system Delta with sound package and voice amplification

⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

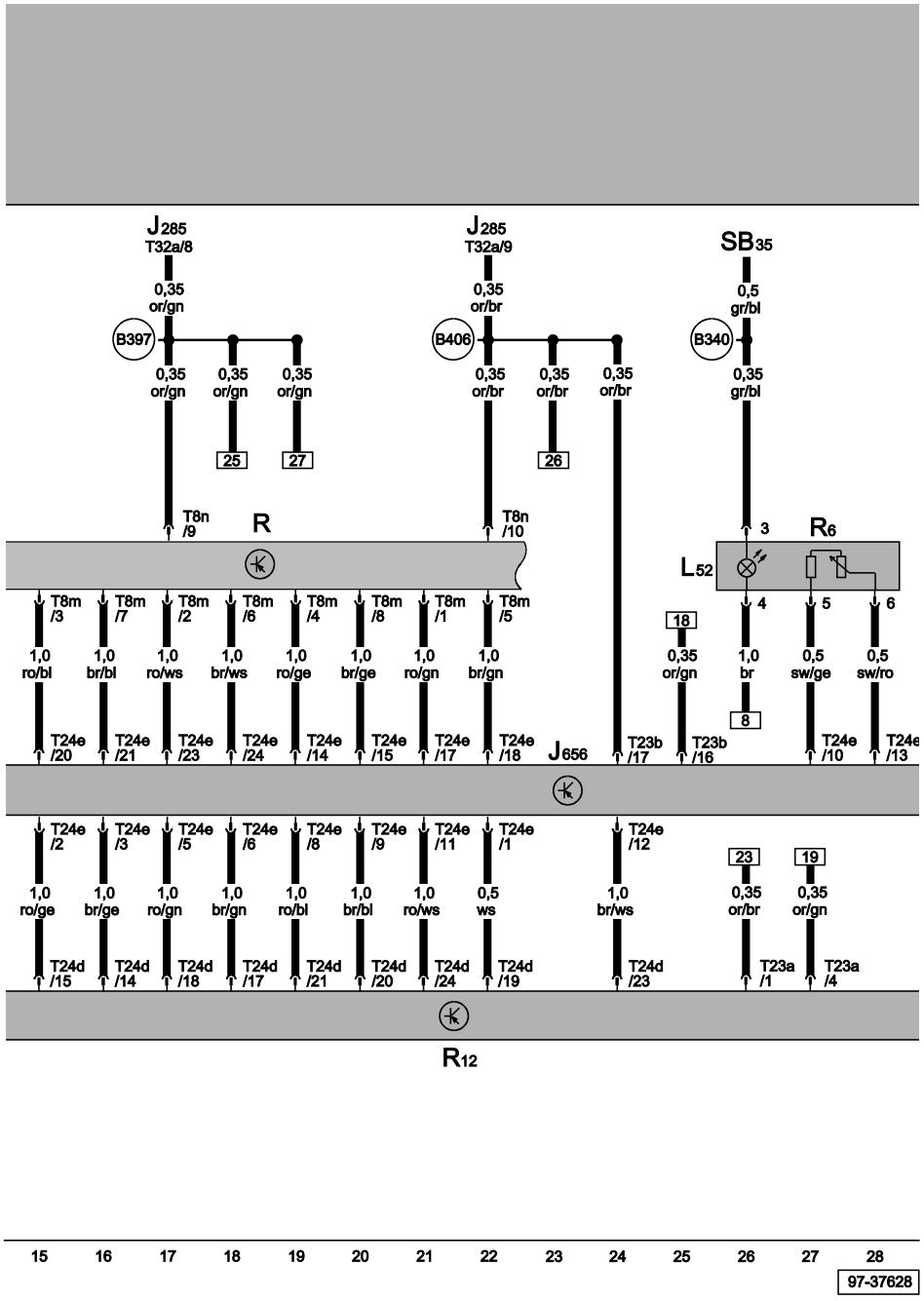
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, radio, voice amplification control unit, amplifier

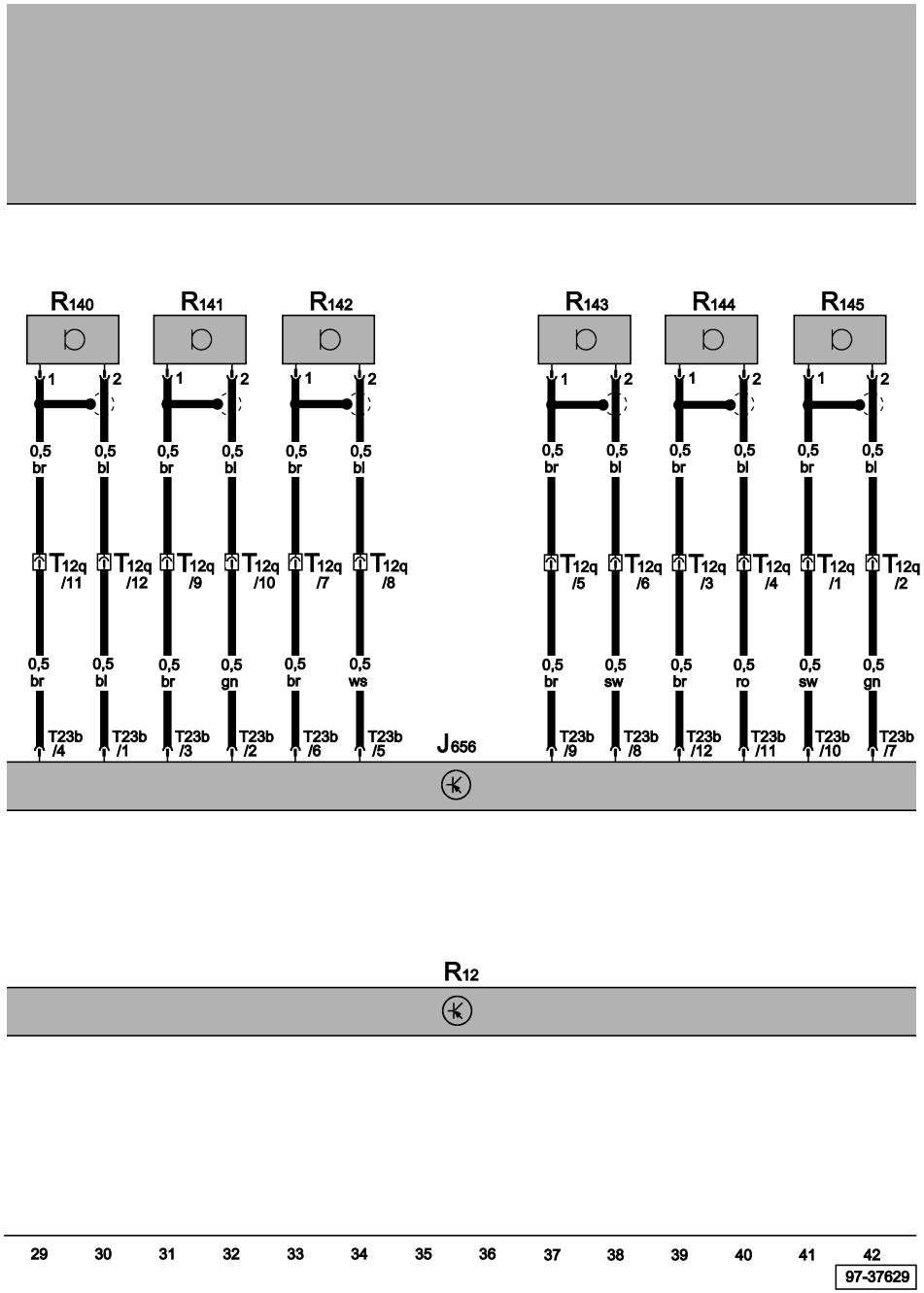
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, voice amplification control unit, balance control, amplifier

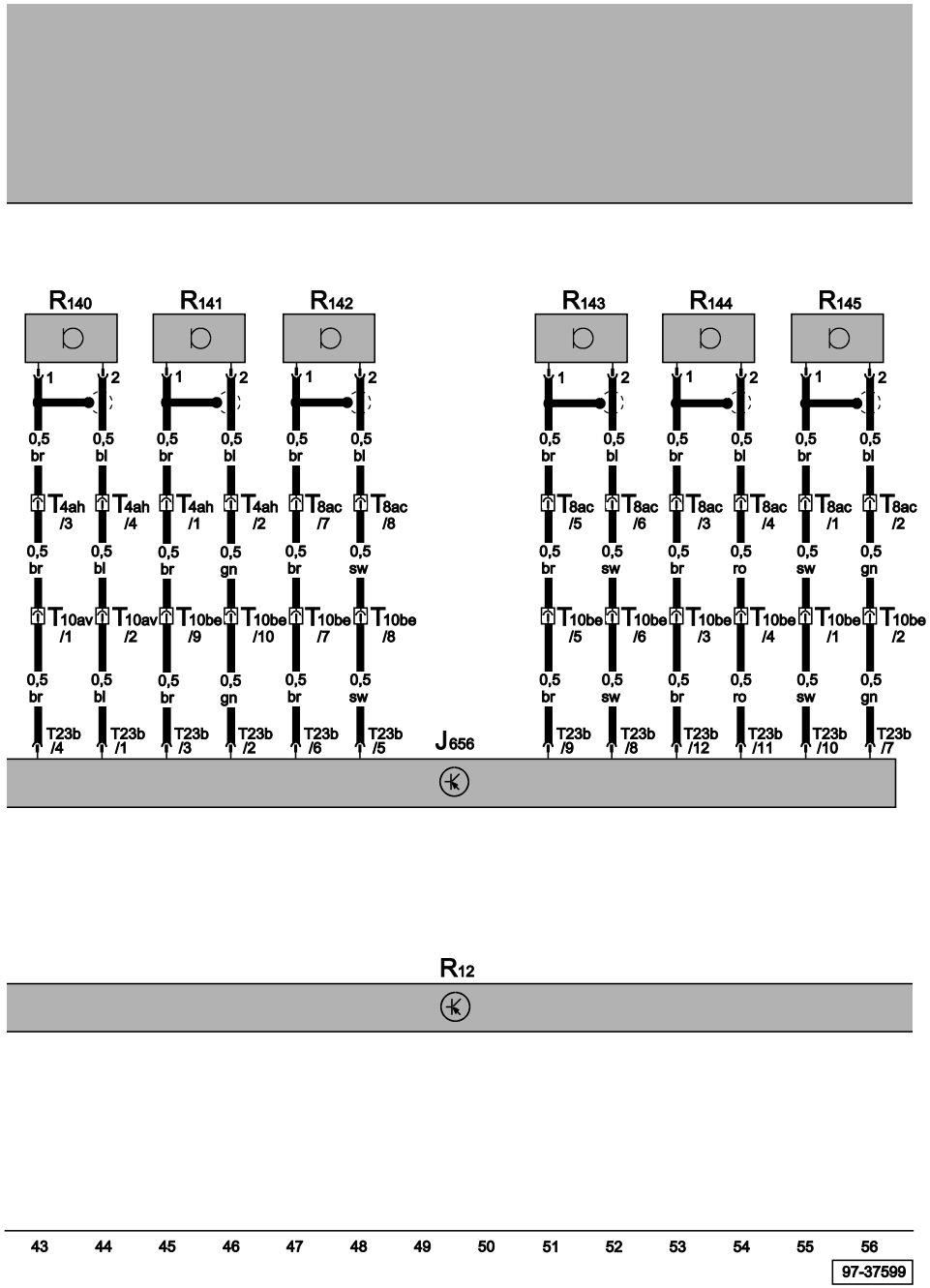
J285	Control unit in dash panel insert
J656	Voice amplification control unit
L52	Light connection for fader regulator
R	Radio
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



Voice amplification control unit, front microphone, centre and rear (applicable up to May 2003)

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T12q	12-pin connector, black, near voice amplification control unit
T23b	23-pin connector, black

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



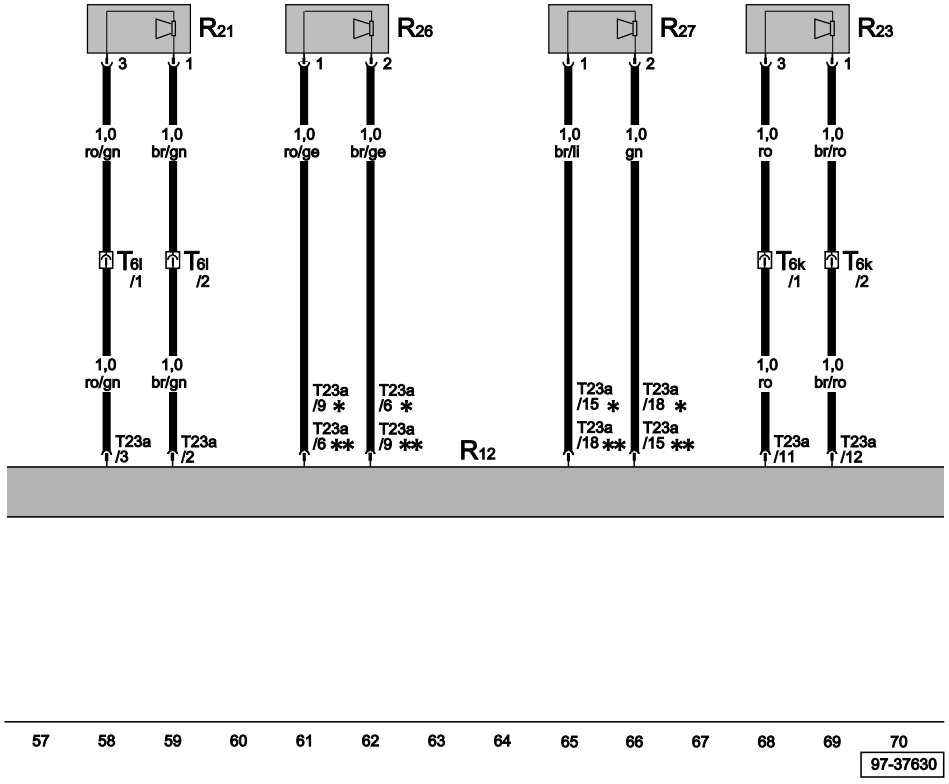
Voice amplification control unit, front microphone, centre and rear (applicable from June 2003)

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

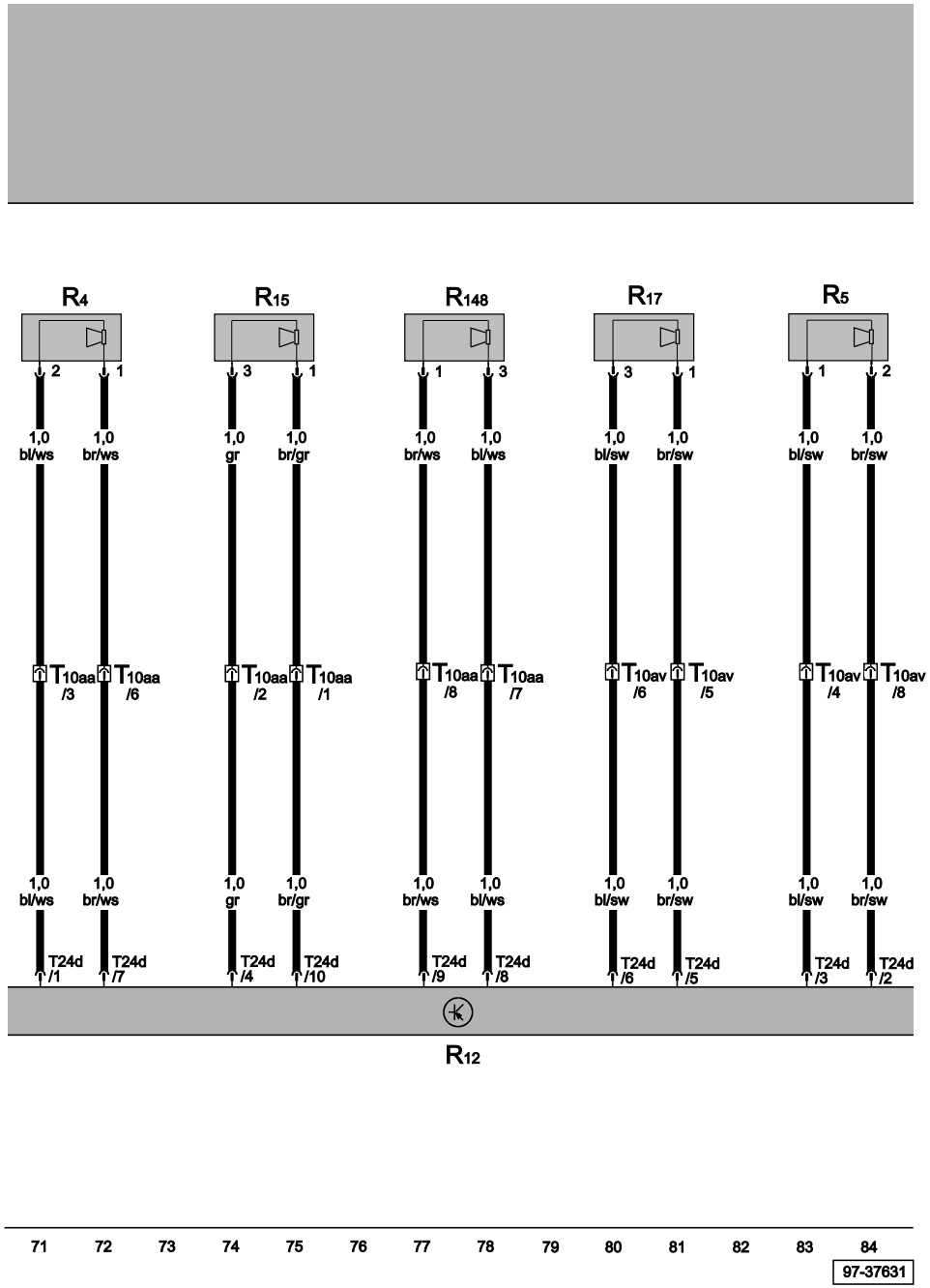
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T23a	23-pin connector, red
*	applicable up to May 2003
**	applicable from June 2003



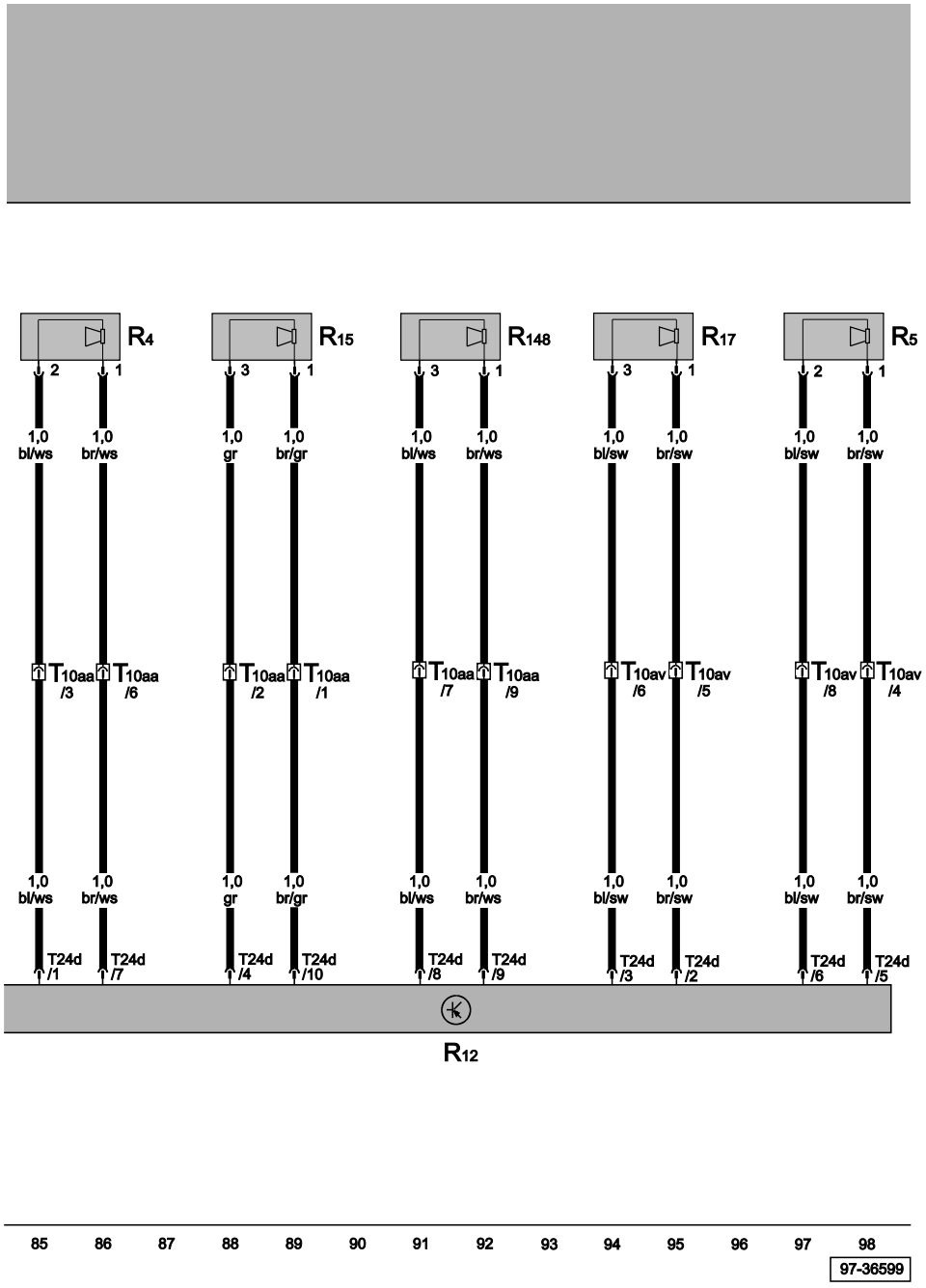
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeaker, middle loudspeaker (applicable up to May 2003)

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeaker, middle loudspeaker (applicable from June 2003)

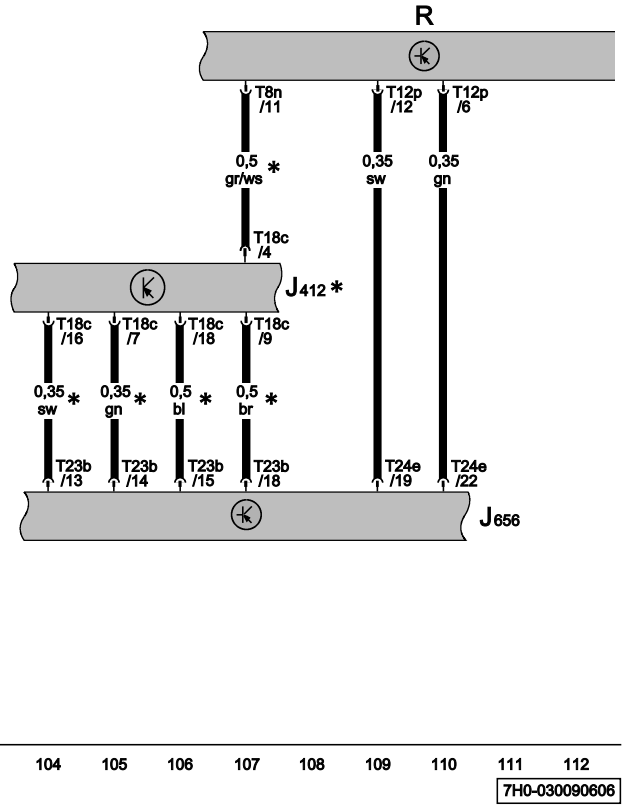
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, voice amplification control unit, mobile telephone operating electronics control unit

J412	Mobile telephone operating electronics control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

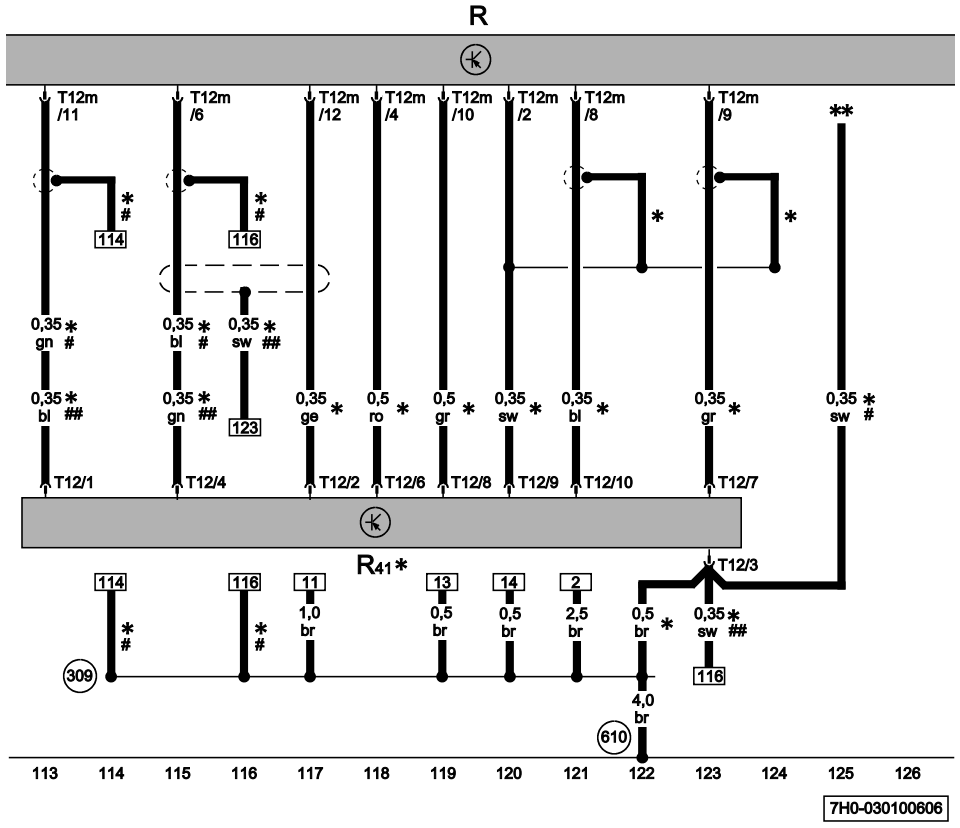




ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, CD changer

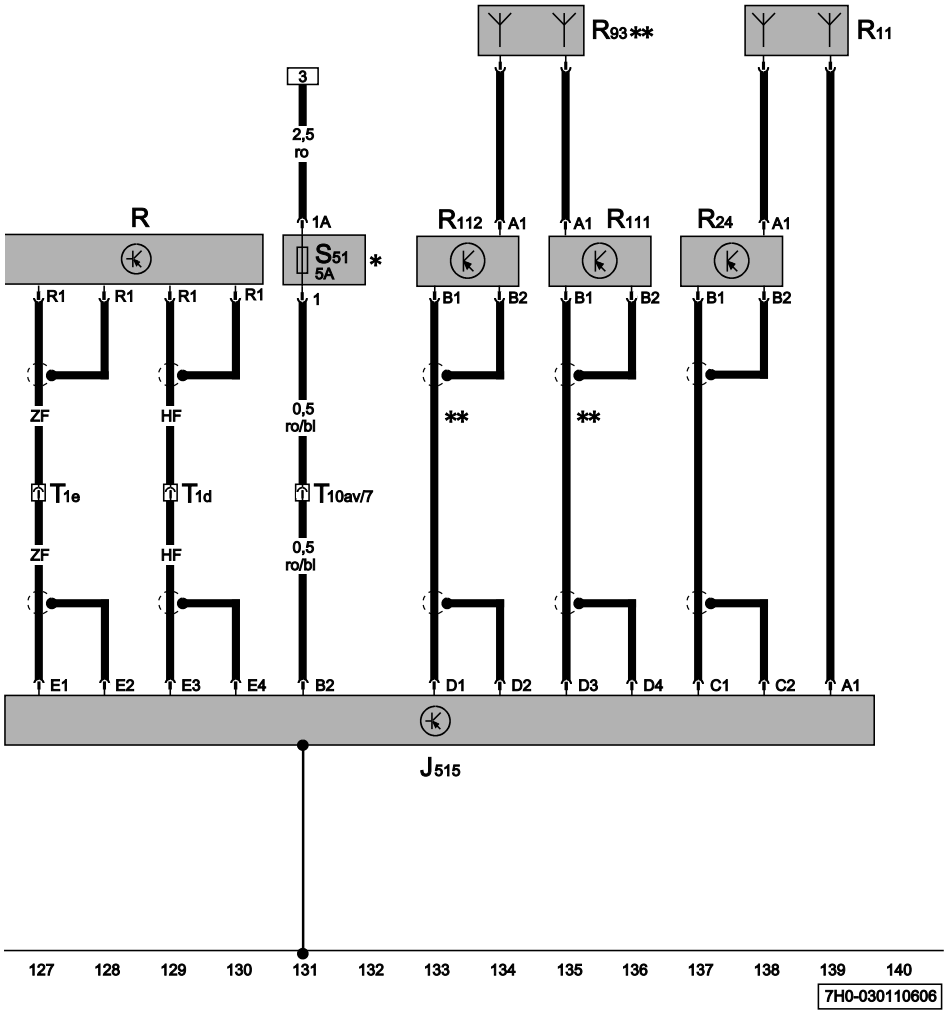
R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	Wiring open end
#	applicable up to February 2004
##	applicable from March 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
*	On relay carrier, left seat box, ⇒ Fitting Locations
**	applicable up to May 2005



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

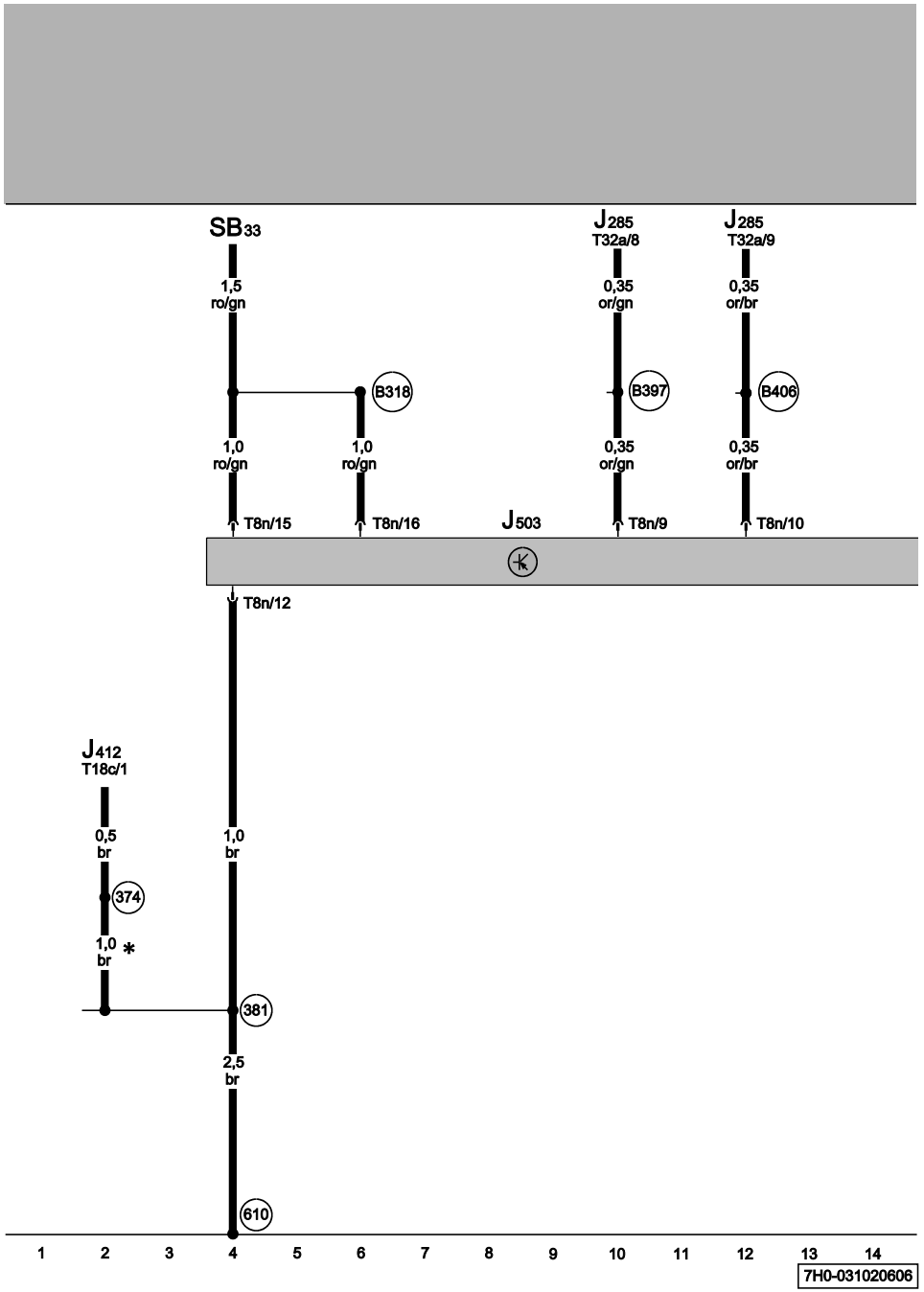
Radio and navigation system with colour display

⇒ **8 loudspeakers**
⇒ **Aerial selection control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



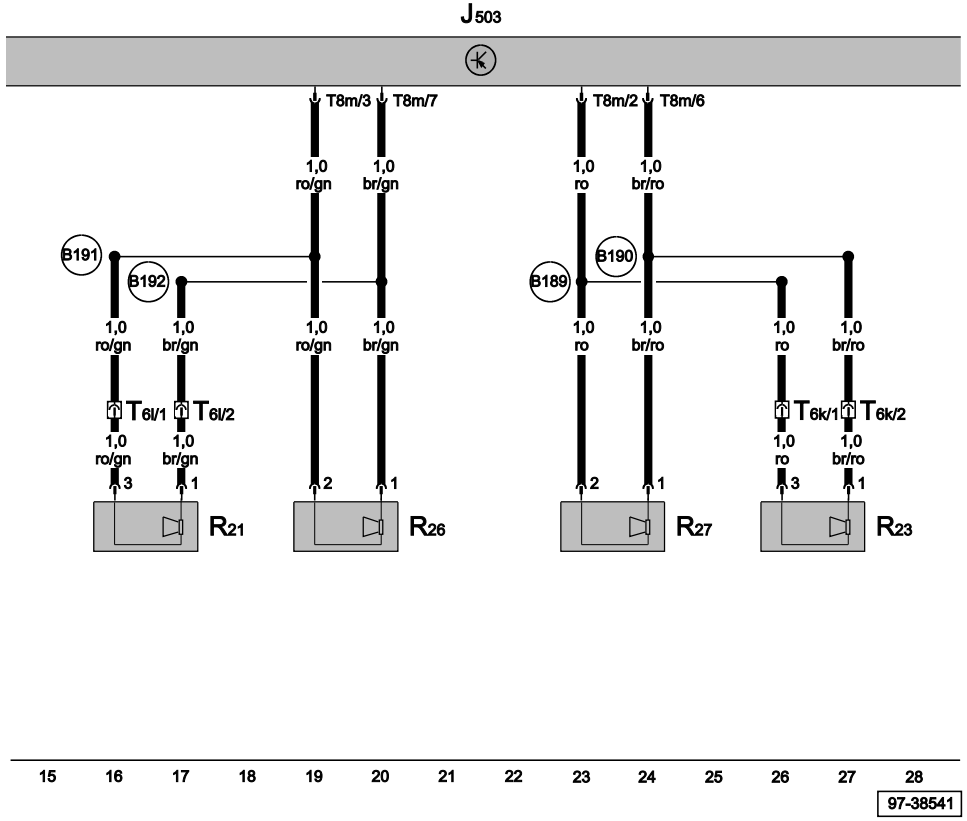
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T18c	18-pin connector, VDA connection
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	only for models with telephone, always present from January 2006

Control unit with display for radio and navigation system, front loudspeaker

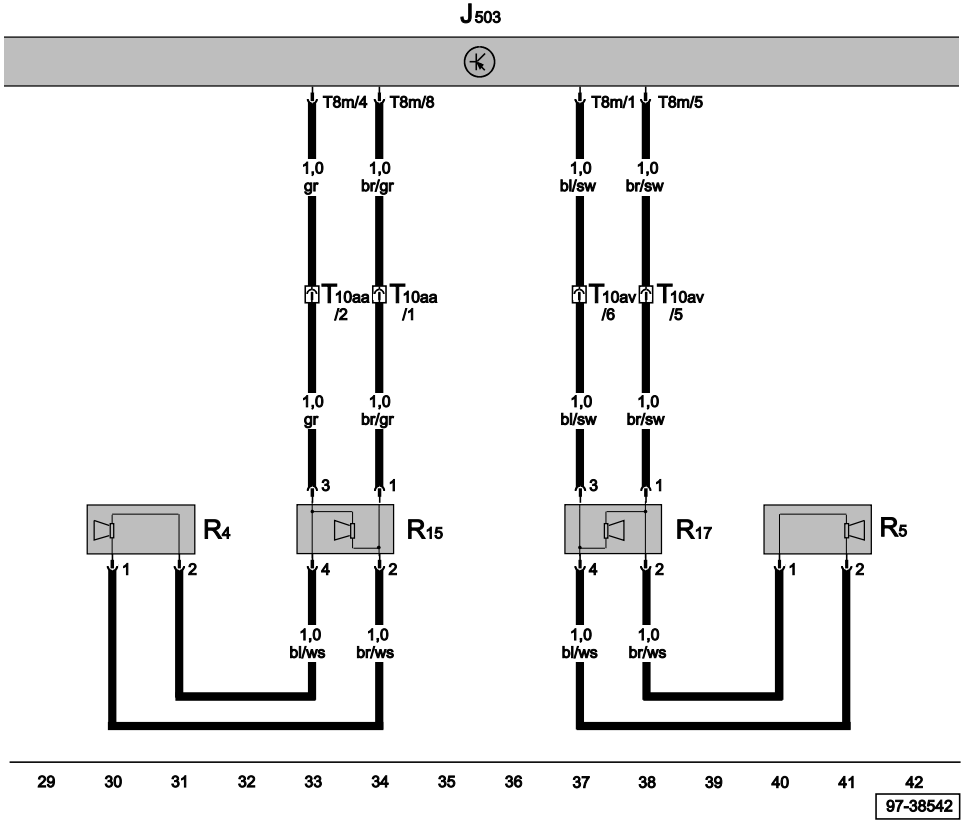
J503	Control unit with display for radio and navigation system
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness



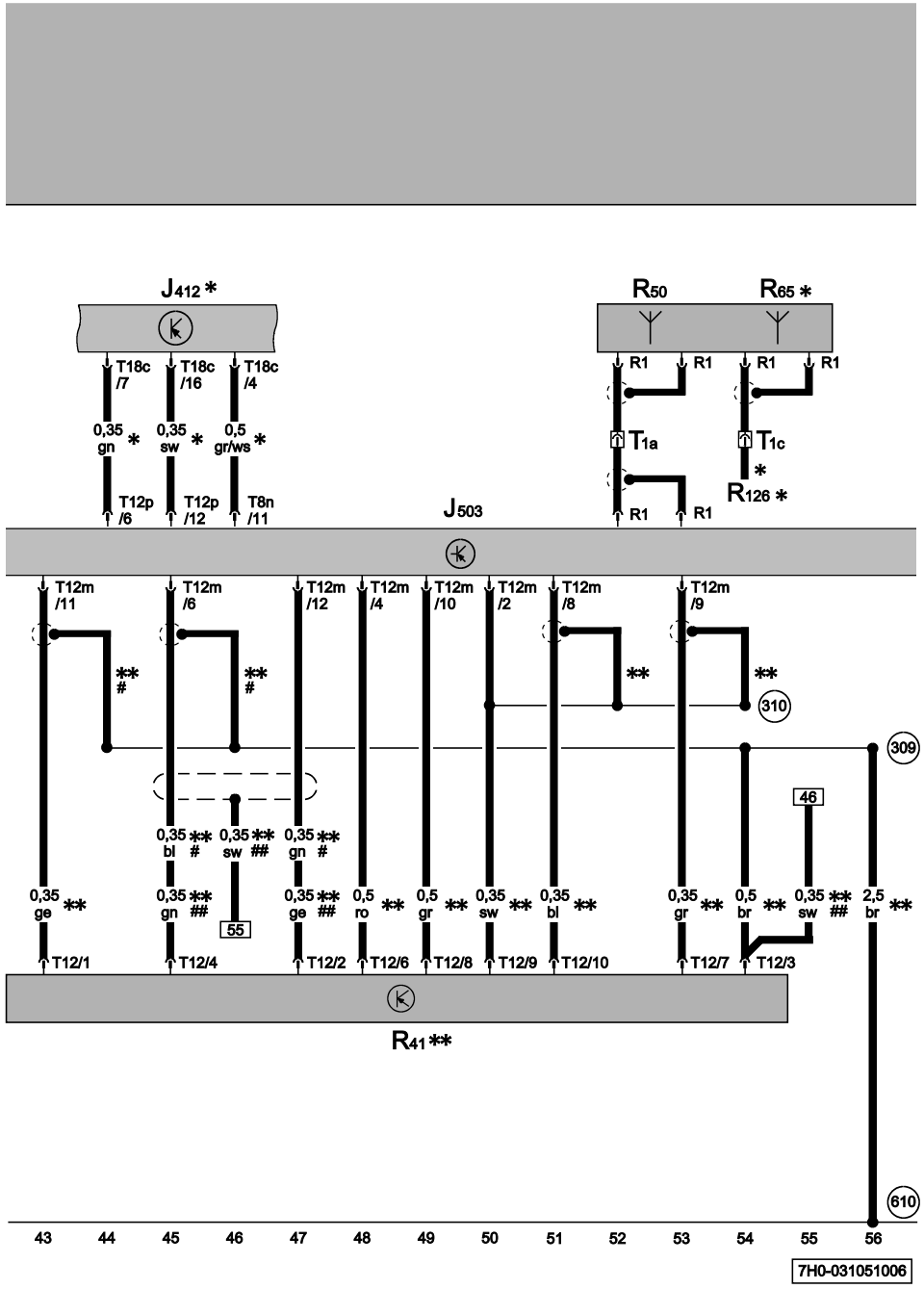
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



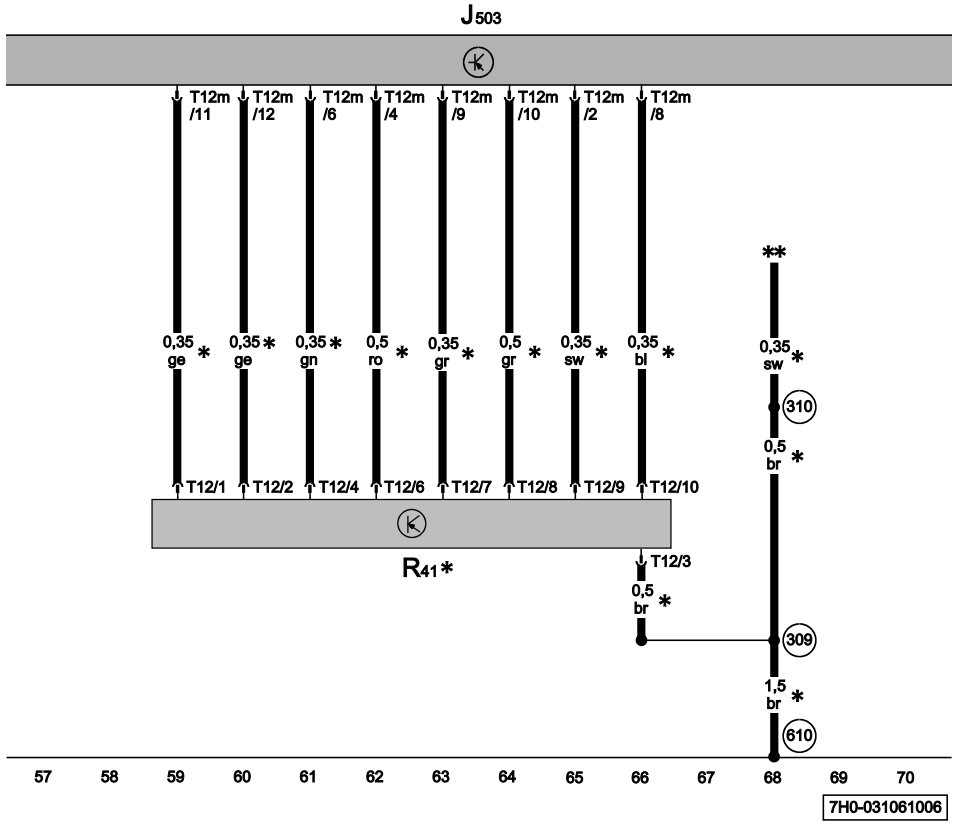
Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	applicable up to December 2005, for models with CD changer of prepared for CD changer only
#	applicable up to February 2004
##	applicable from March 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, CD changer

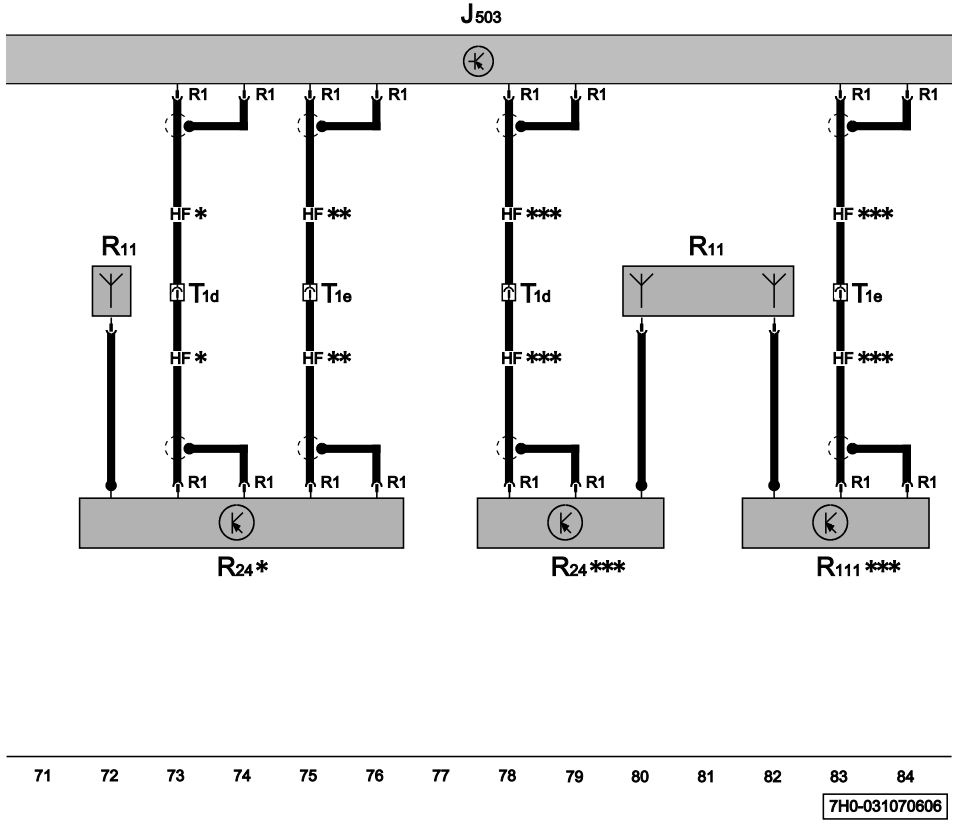
J503	Control unit with display for radio and navigation system
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	applicable from January 2006, for models with CD changer of prepared for CD changer only
**	Wiring open end



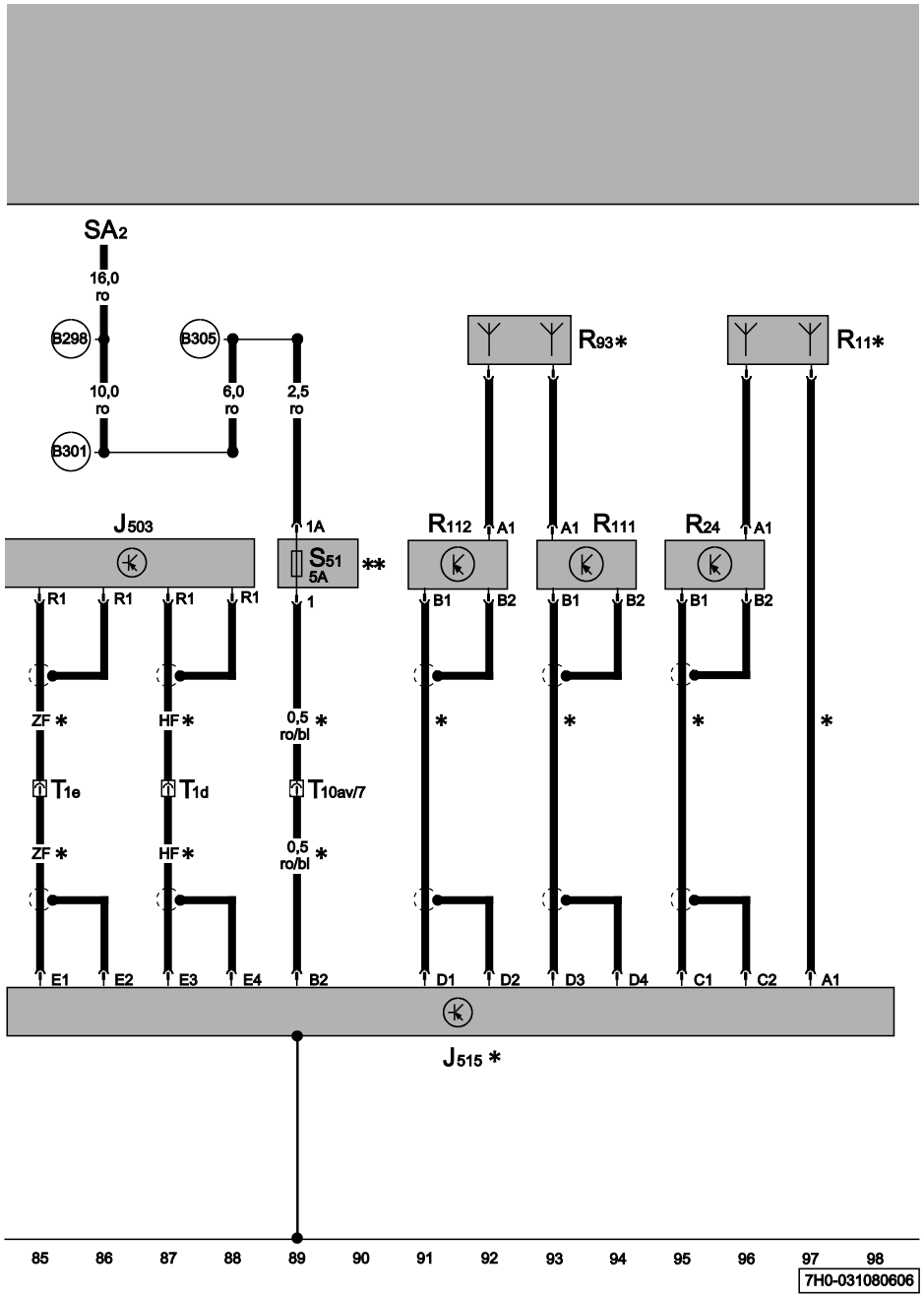
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
*	for camper only
**	for camper with radio and navigation system DVD only, applicable from June 2005
***	for multivan with radio and navigation system DVD only, applicable from June 2005



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial selection control unit, aerial, aerial amplifier, fuse

J503	Control unit with display for radio and navigation system
R93	Radio aerial 2
J515	Aerial selection control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for Multivan only, applicable up to May 2005
**	On relay carrier, left seat box, ⇒ Fitting Locations

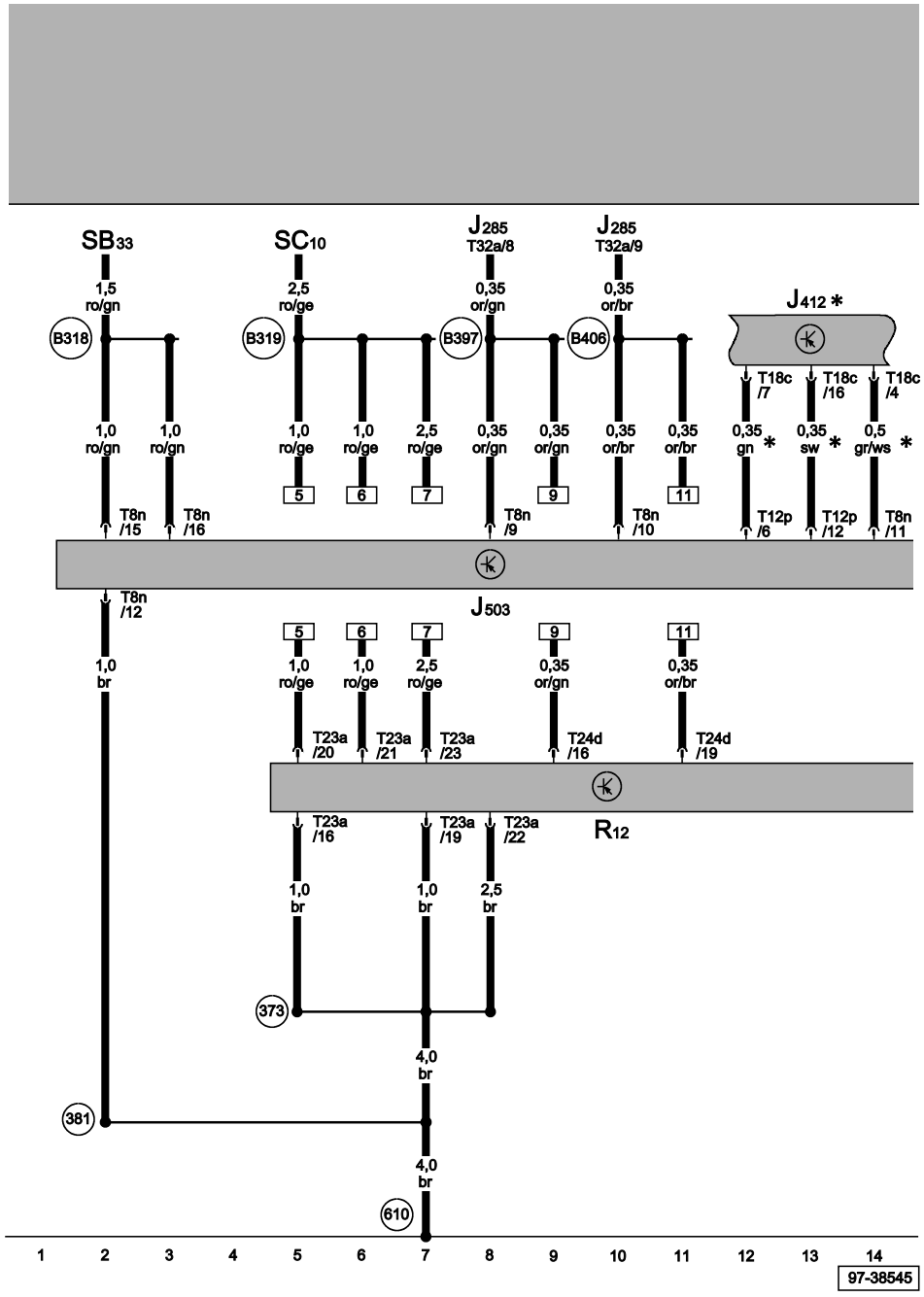
Radio and navigation system with colour display and sound package

⇒ **8 channel amplifier**
⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Aerial selection control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

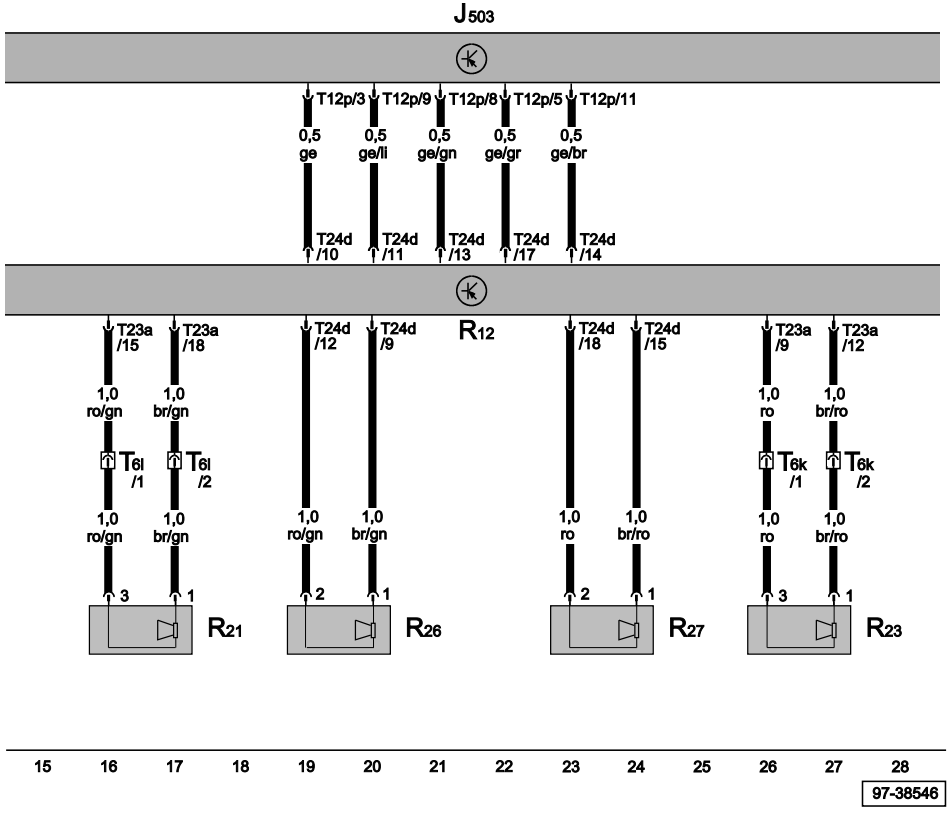
Voltage supply, control unit with display for radio and navigation system, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23a	23-pin connector, red
T24d	24-pin connector, brown
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

Control unit with display for radio and navigation system, amplifier, front loudspeaker

J503	Control unit with display for radio and navigation system
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
T12p	12-pin connector, green
T23a	23-pin connector, red
T24d	24-pin connector, brown

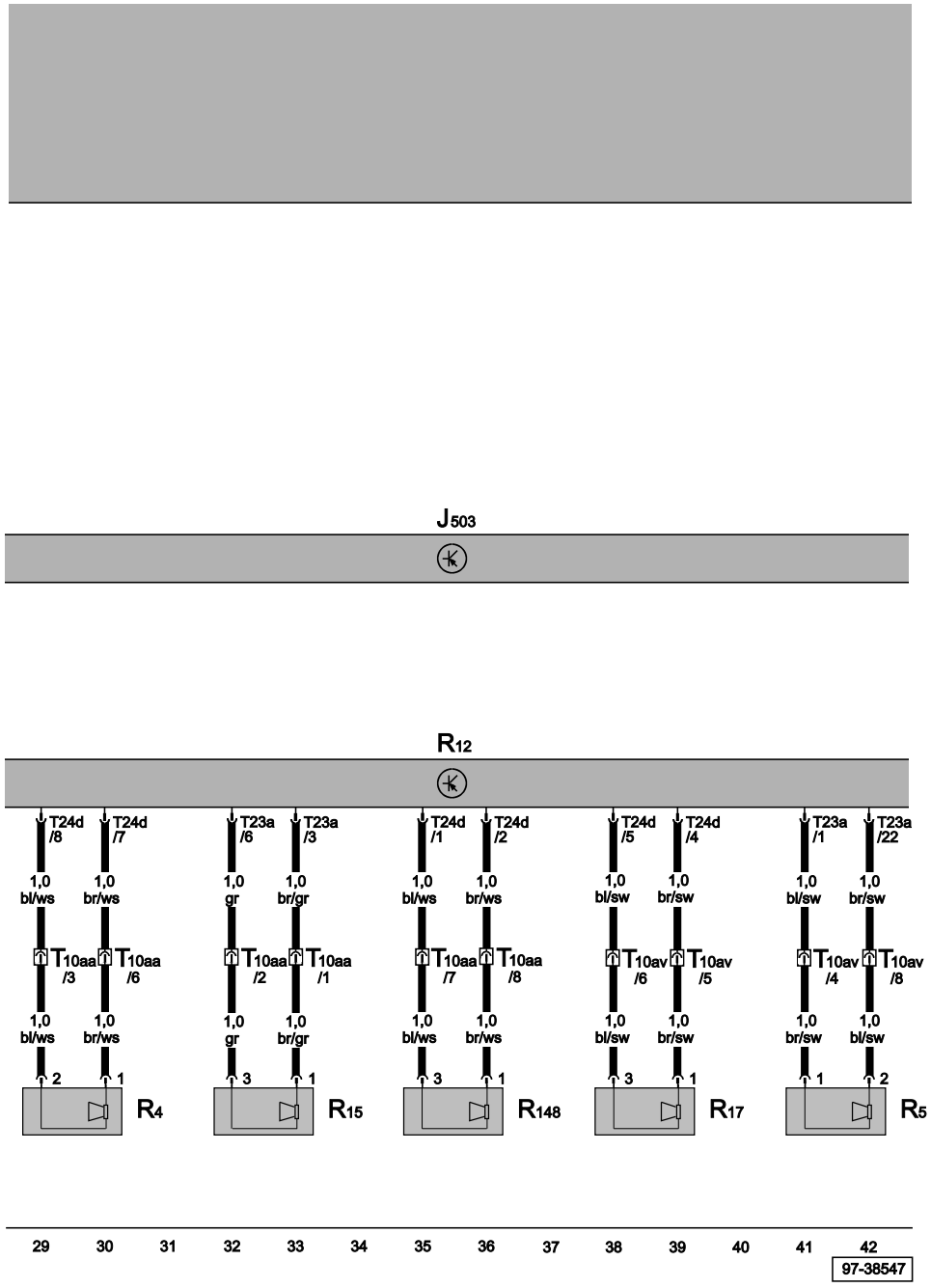




ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation, amplifier, rear loudspeaker, middle loudspeaker (applicable up to May 2003)

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T23a	23-pin connector, red
T24d	24-pin connector, brown

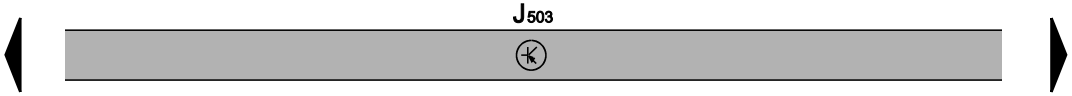


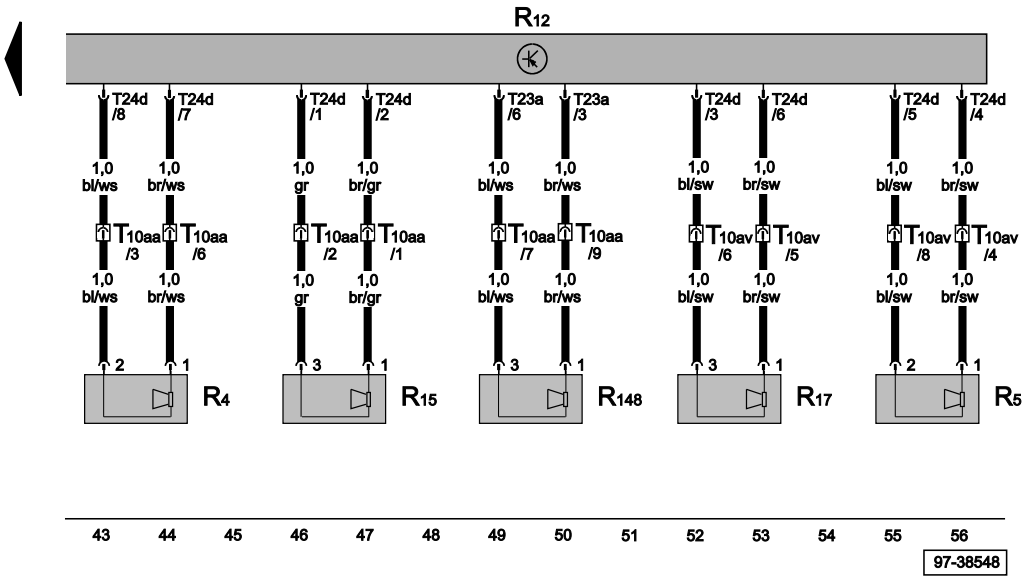
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, rear loudspeaker, middle loudspeaker (applicable from June 2003)

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T23a	23-pin connector, red
T24d	24-pin connector, brown



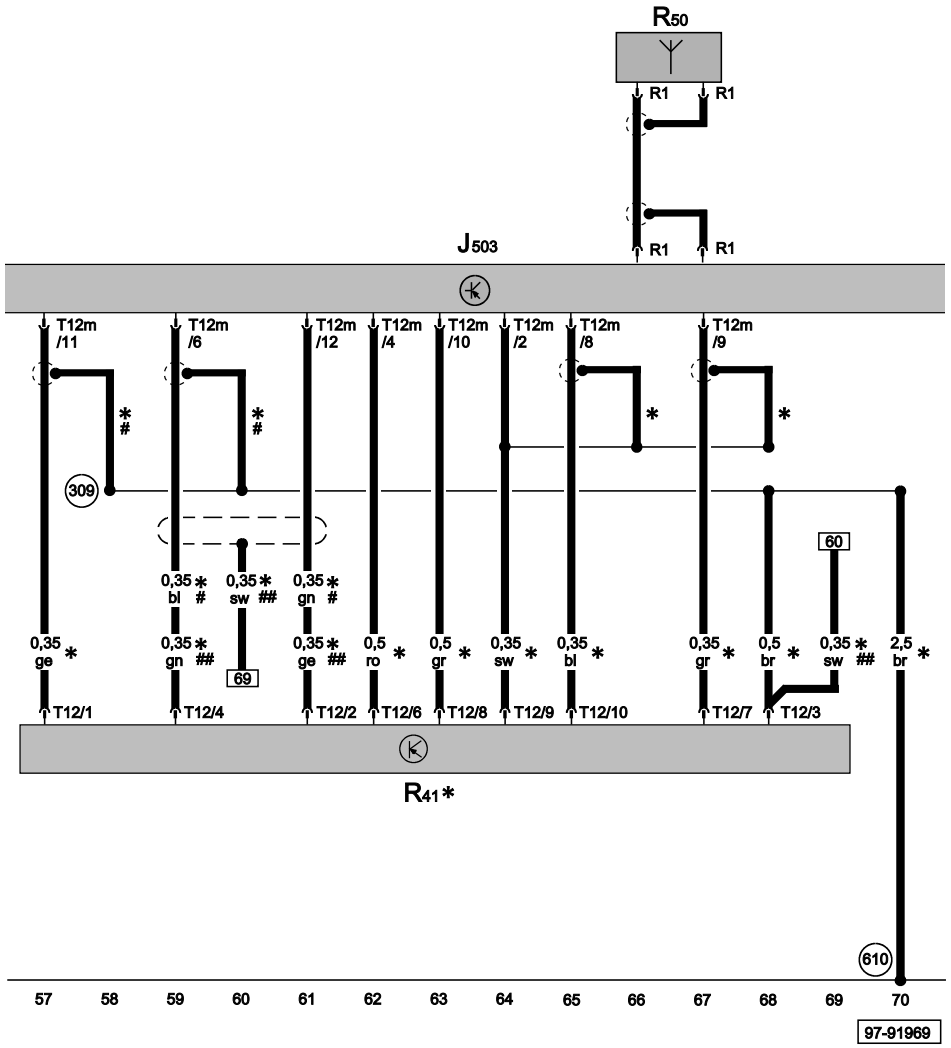




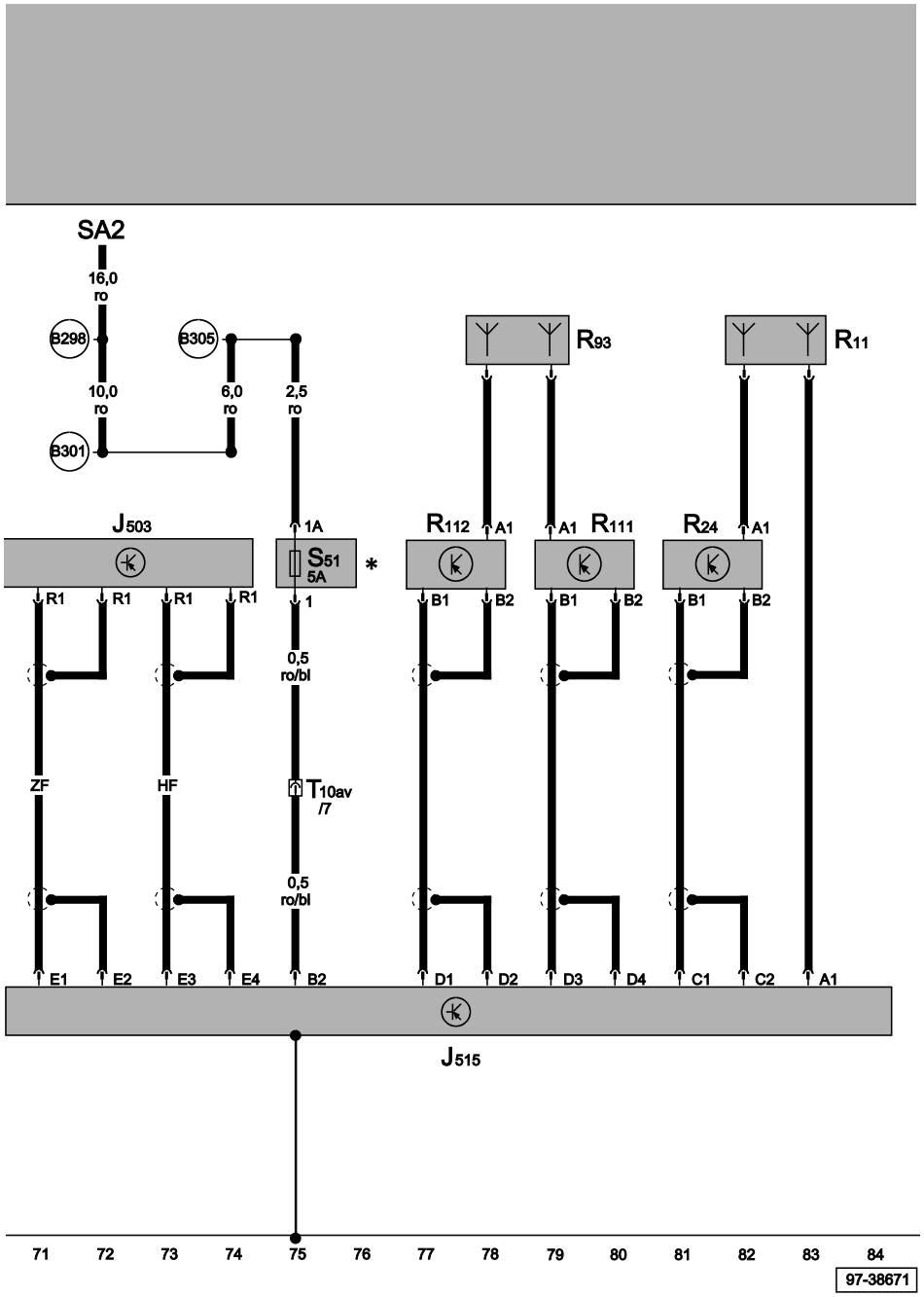
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, CD changer, navigation system aerial

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
#	applicable up to February 2004
##	applicable from March 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial selection control unit, aerial, aerial amplifier, fuse

J503	Control unit with display for radio and navigation system
J515	Aerial selection control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
SA2	Fuse 2 on fuse holder A
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio and navigation system with monochrome display

⇒ **CD changer**

⇒ **Mobile telephone operating electronics control unit**

from March 2003

Notes:

For information concerning

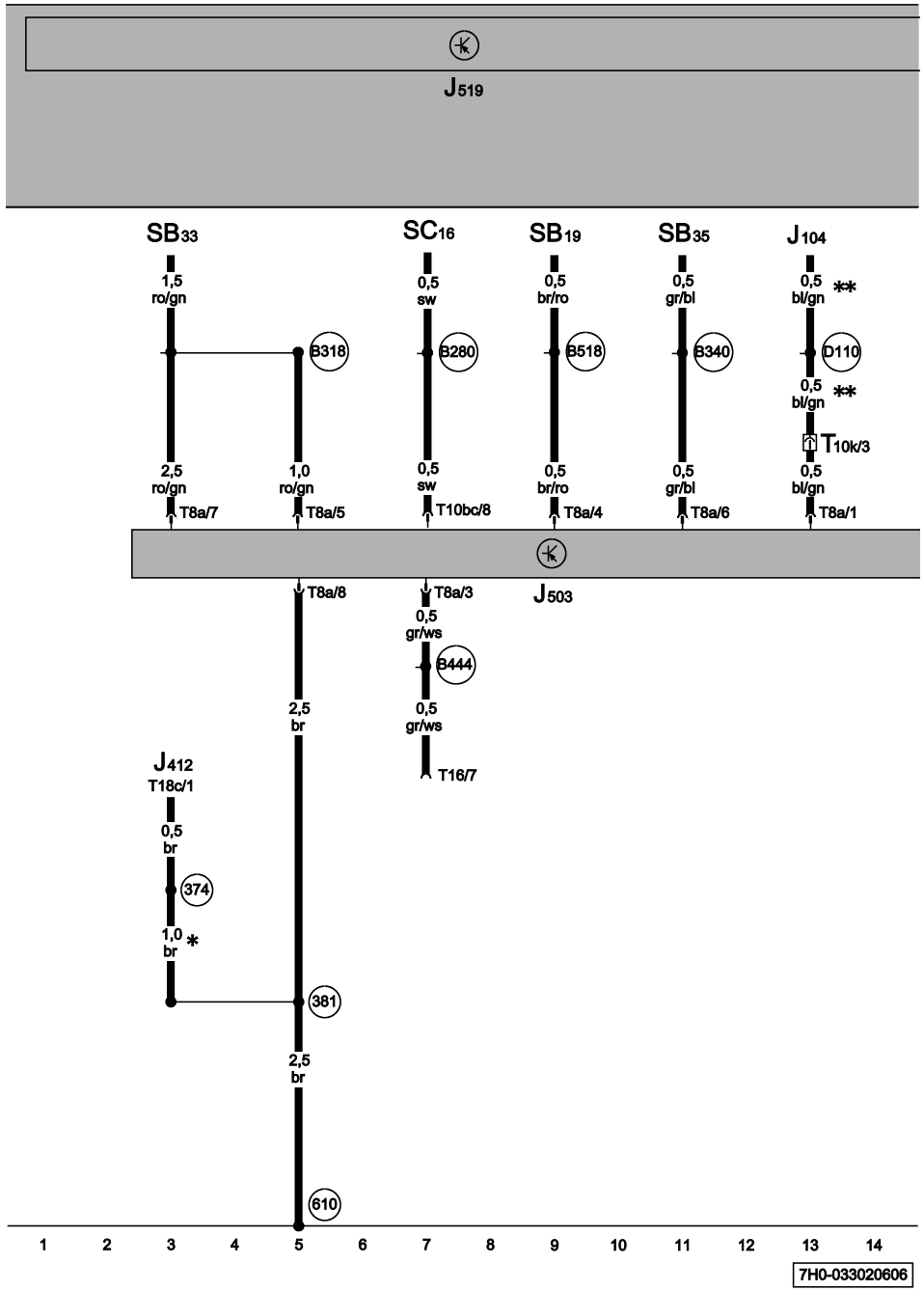
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

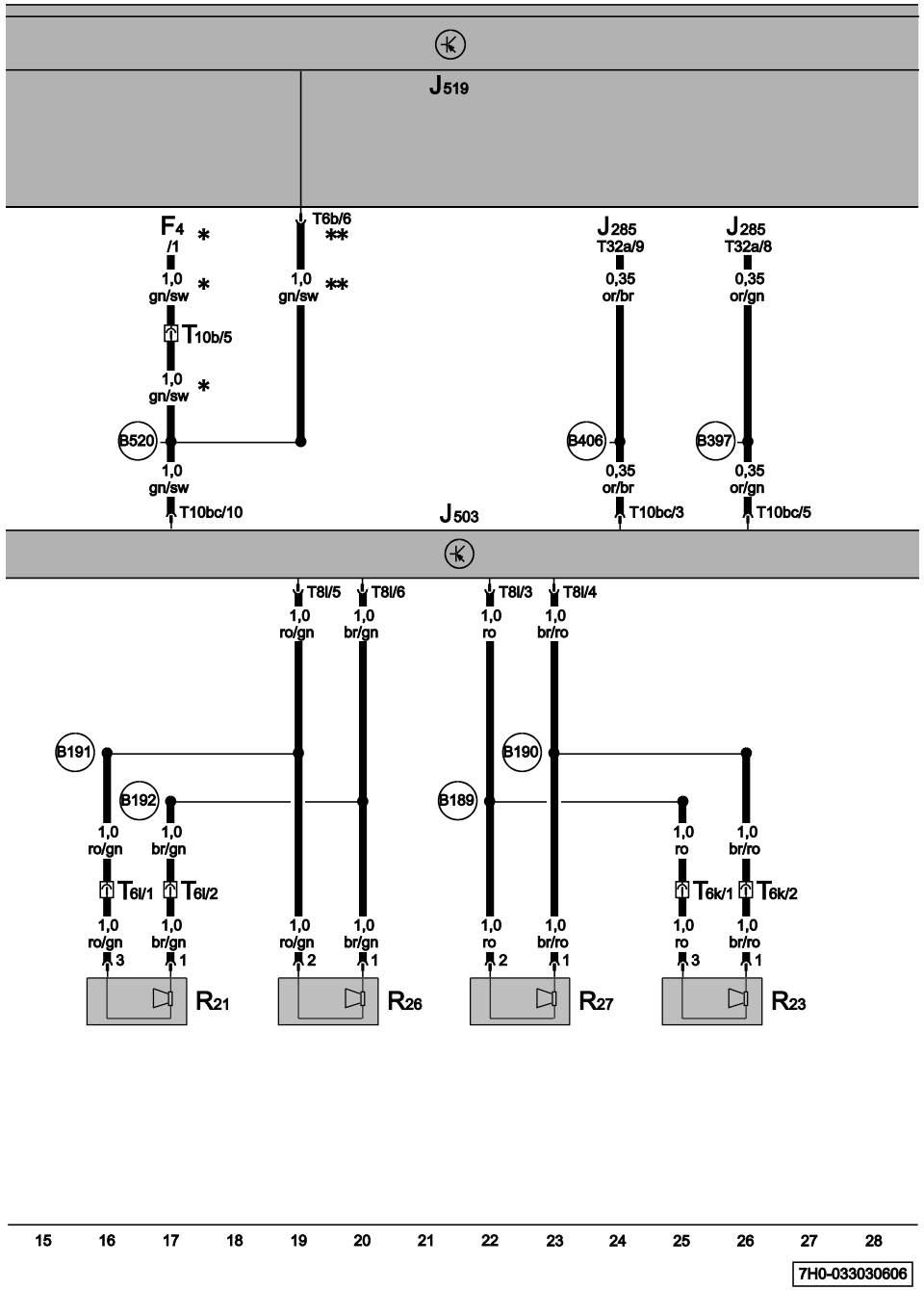
⇒ guided fault finding



Control unit with display for radio and navigation system, voltage supply

J104	ABS control unit
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T8a	8-pin connector, black
T10bc	10-pin connector, red
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18c	18-pin connector, VDA connection
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B280	Positive connection 4 (15a), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B518	Connection (86s), in main wiring harness
D110	Connection 8, in engine compartment wiring harness
*	only for models with telephone, always present from January 2006
**	depends on equipment ⇒ ABS Current Flow Diagram

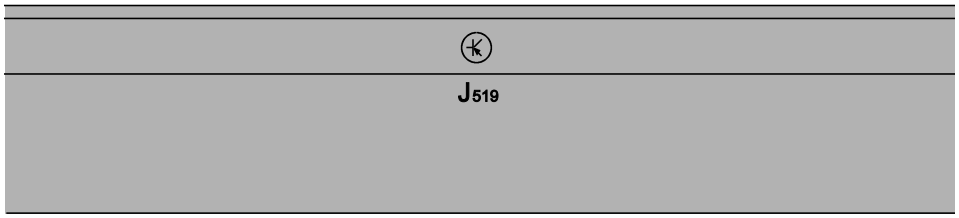
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
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ro = red
br = brown
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bl = blue
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or = orange
rs = pink

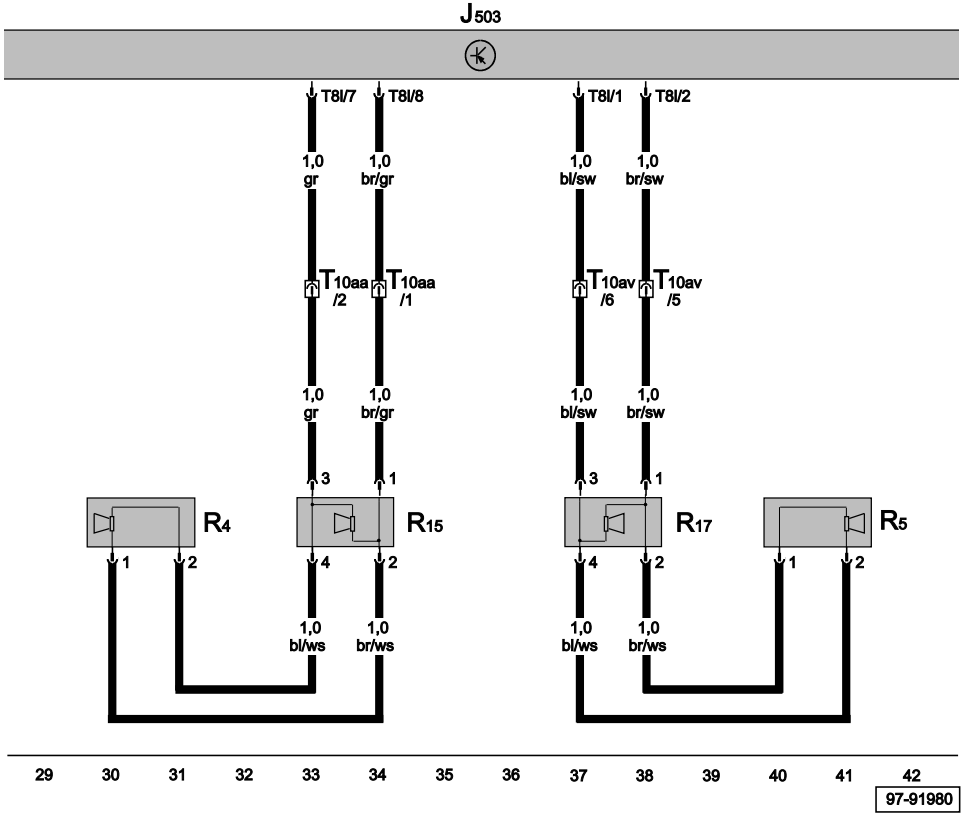
Control unit with display for radio and navigation system, reversing light switch, front loudspeaker

F4	Reversing light switch
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6b	6-pin connector, red
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8l	8-pin connector, brown
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10bc	10-pin connector, red
T32a	32-pin connector, green
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B520	Connection (RL), in main wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only

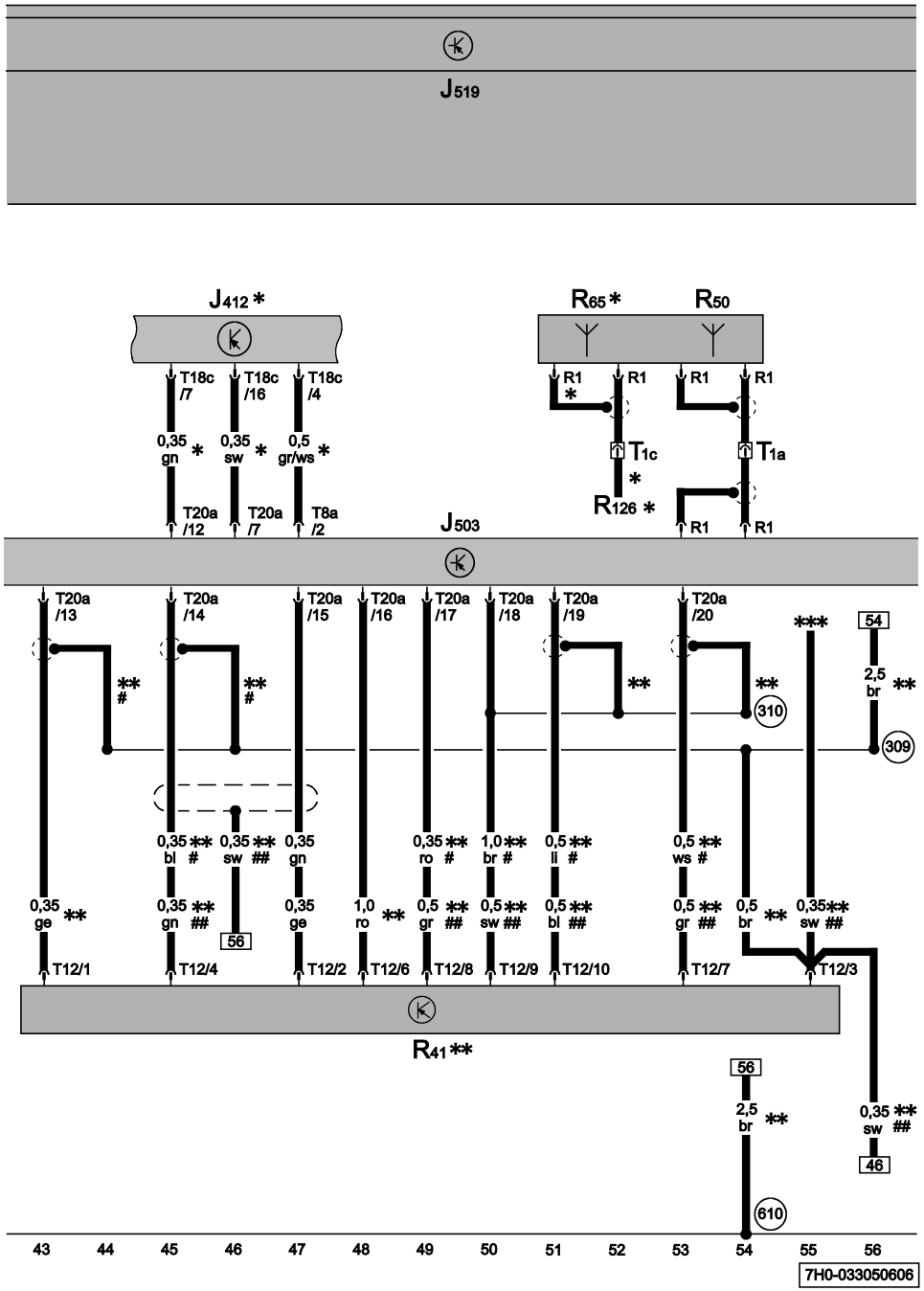


Control unit with display for radio and navigation system, rear loudspeaker (for models with rear loudspeaker only)

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



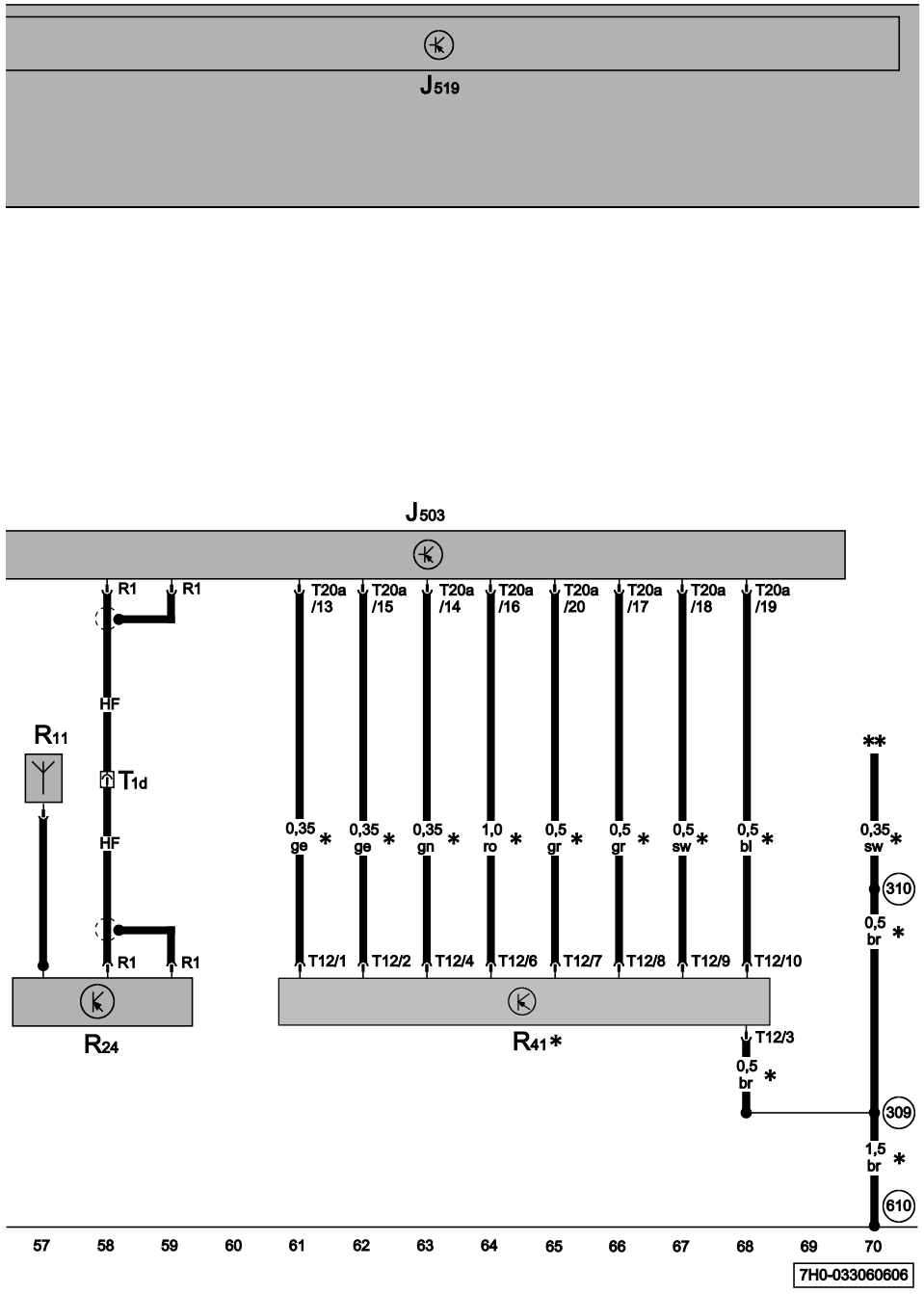
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	applicable up to December 2005, for models with CD changer of prepared for CD changer only
***	Wiring open end
#	applicable up to February 2004
##	applicable from March 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, CD changer

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	applicable from January 2006, for models with CD changer of prepared for CD changer only
**	Wiring open end

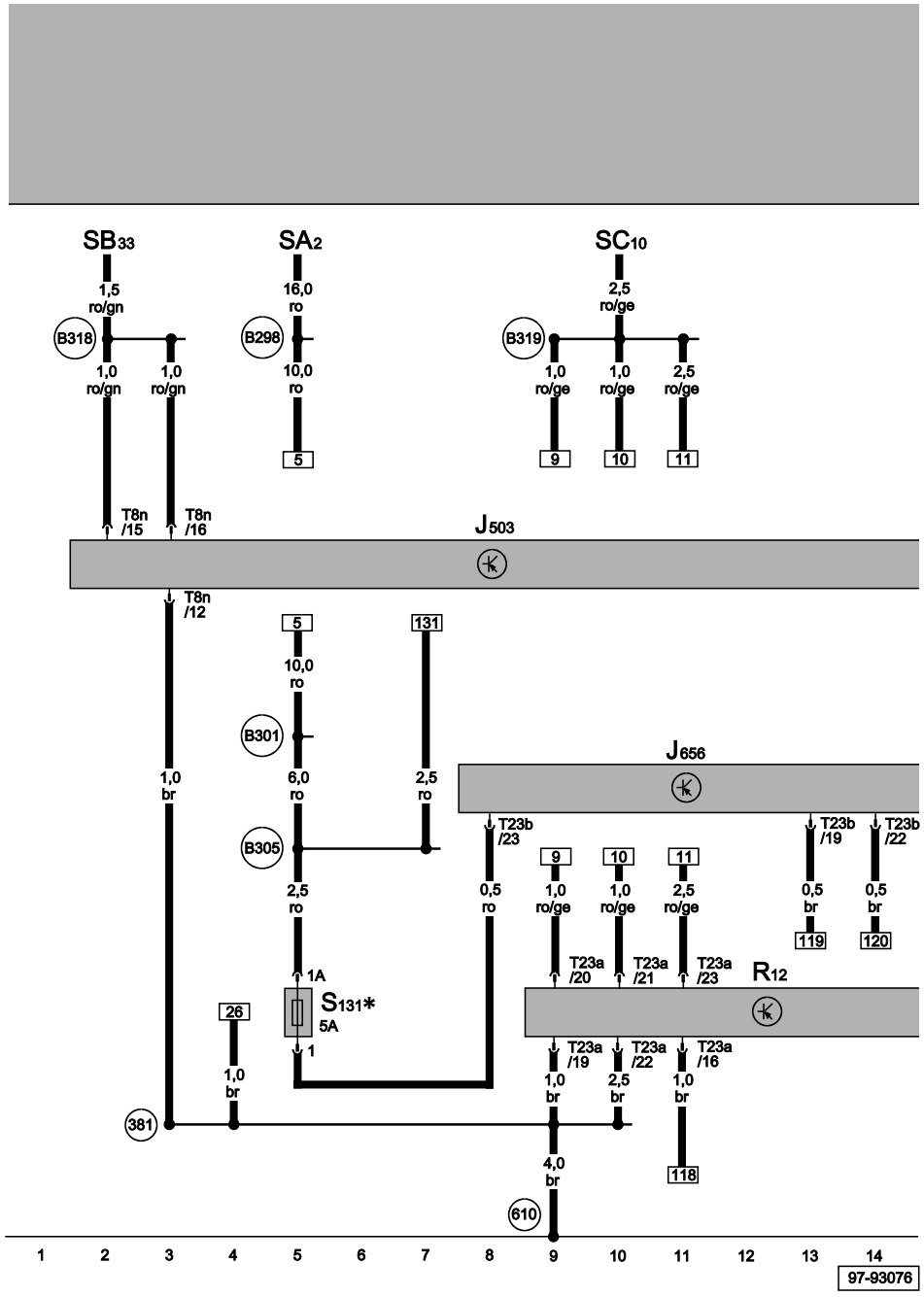
Radio and navigation system with colour display, sound package and voice amplification

⇒ **digital 12 channel amplifier**
⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

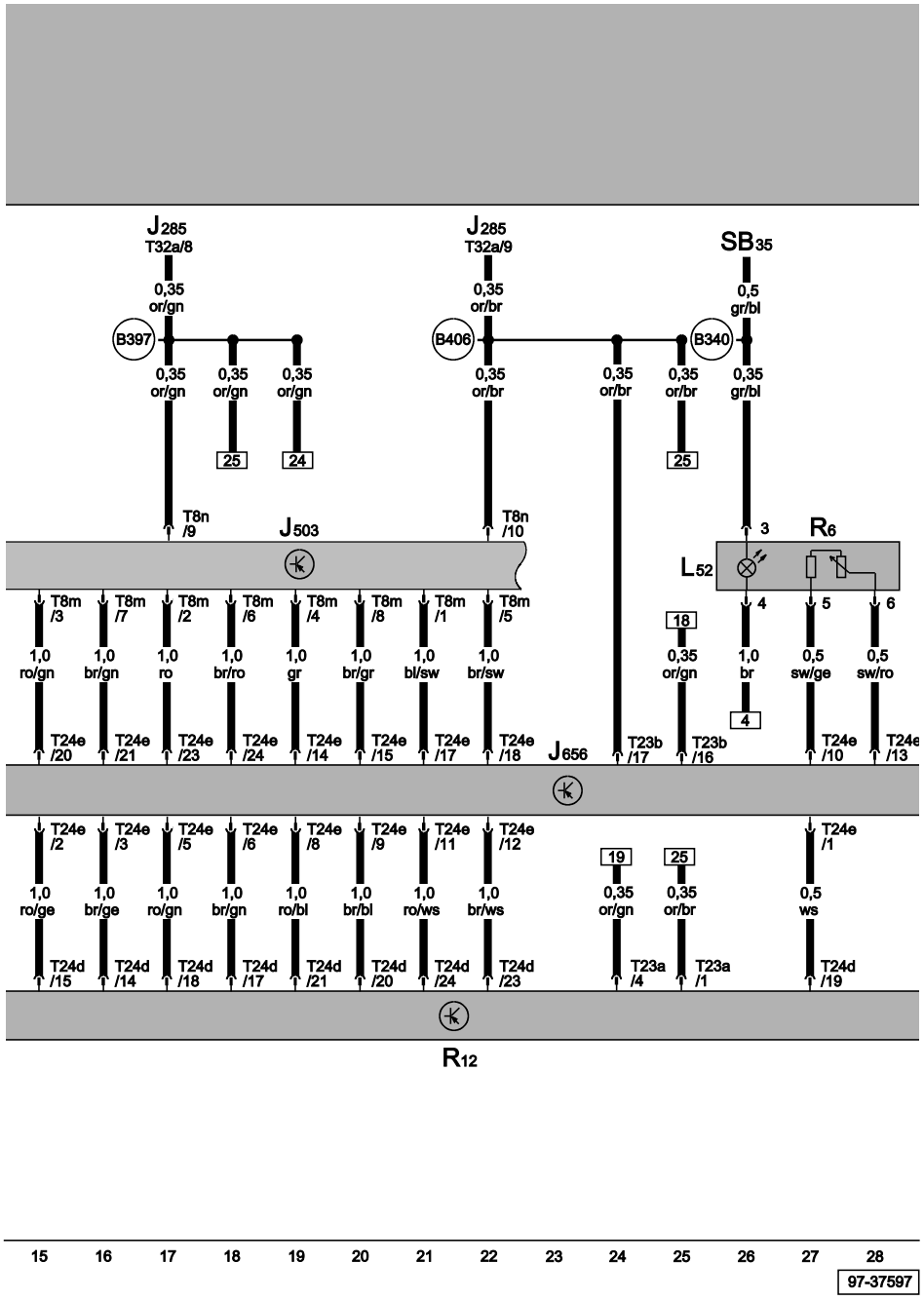
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system, voice amplification control unit, amplifier

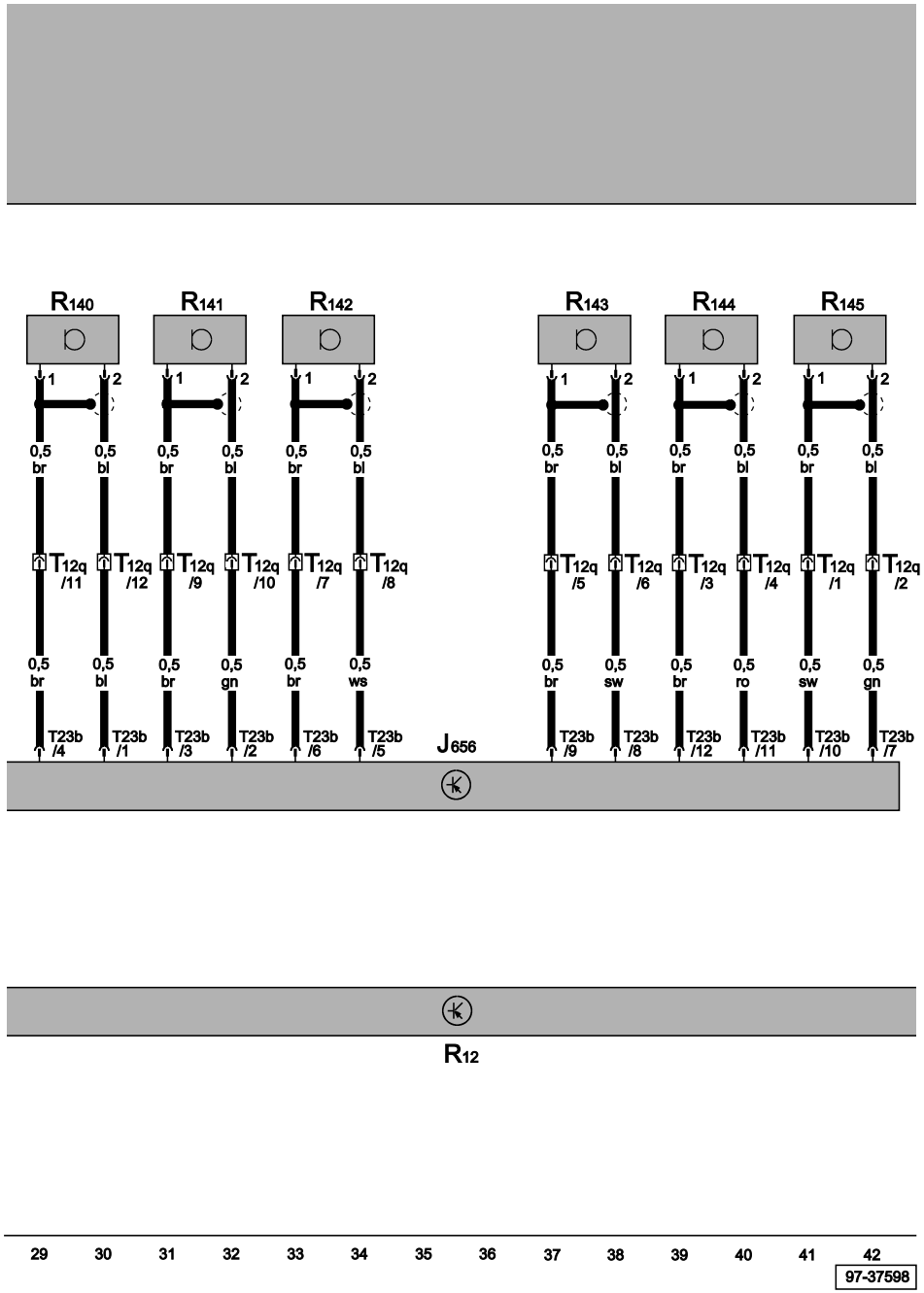
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations



Control unit with display for radio and navigation system, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
L52	Light connection for fader regulator
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

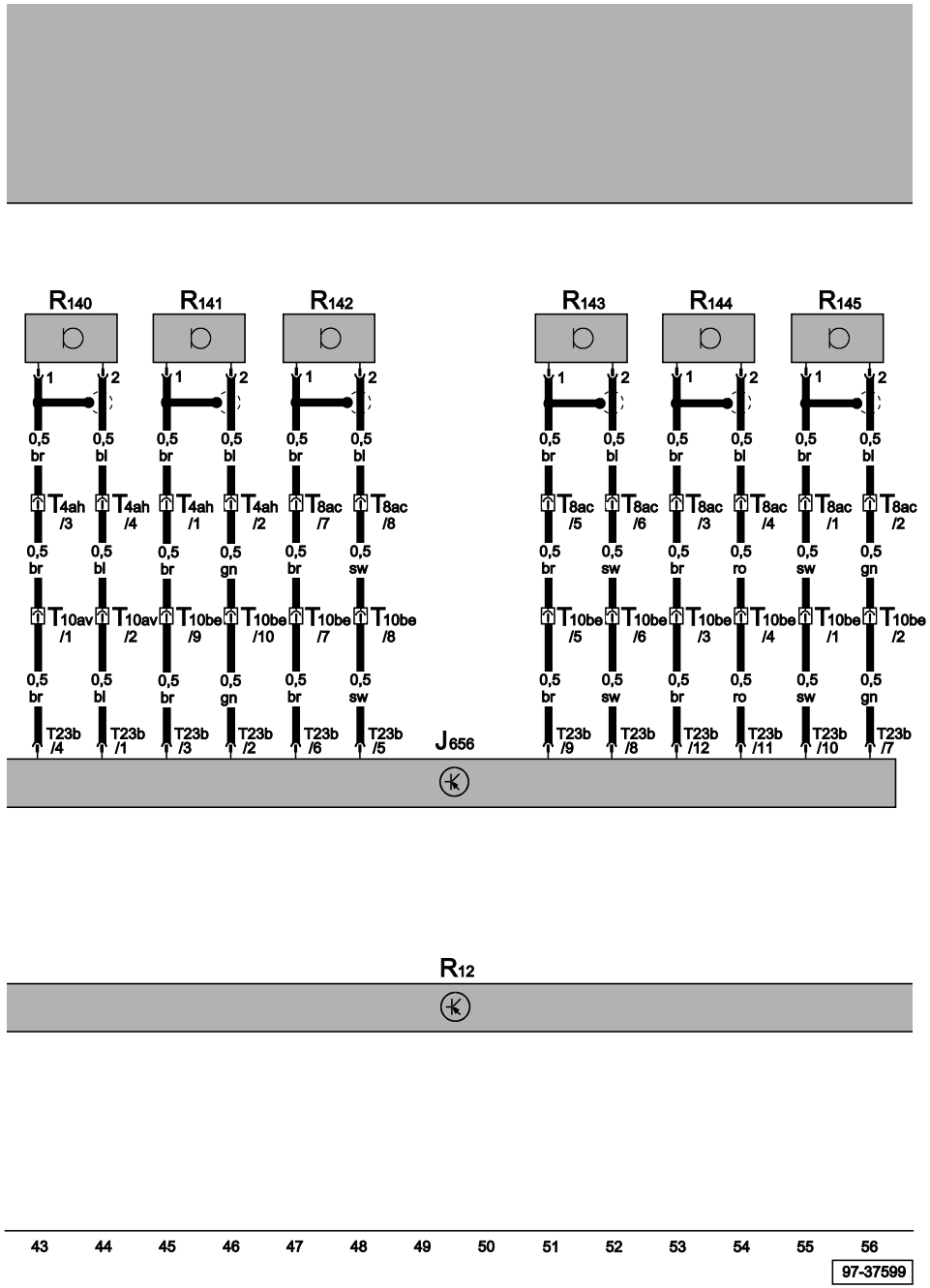
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Voice amplification control unit, front microphone, centre and rear (applicable up to May 2003)

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T12q	12-pin connector, black, near voice amplification control unit
T23b	23-pin connector, black

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



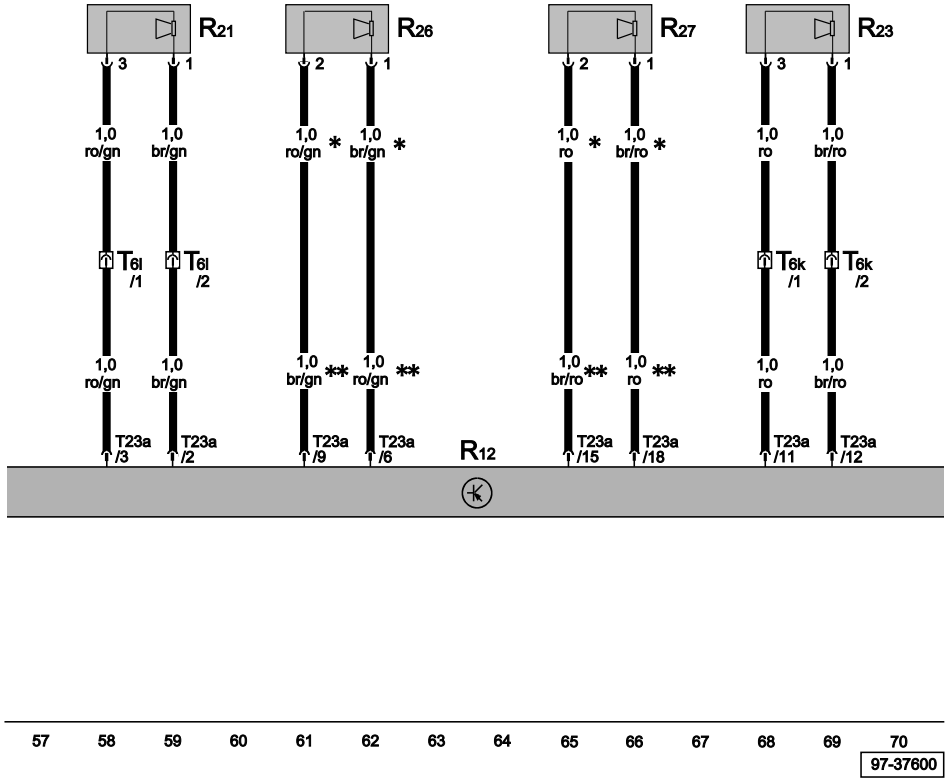
Voice amplification control unit, front microphone, centre and rear (applicable from June 2003)

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

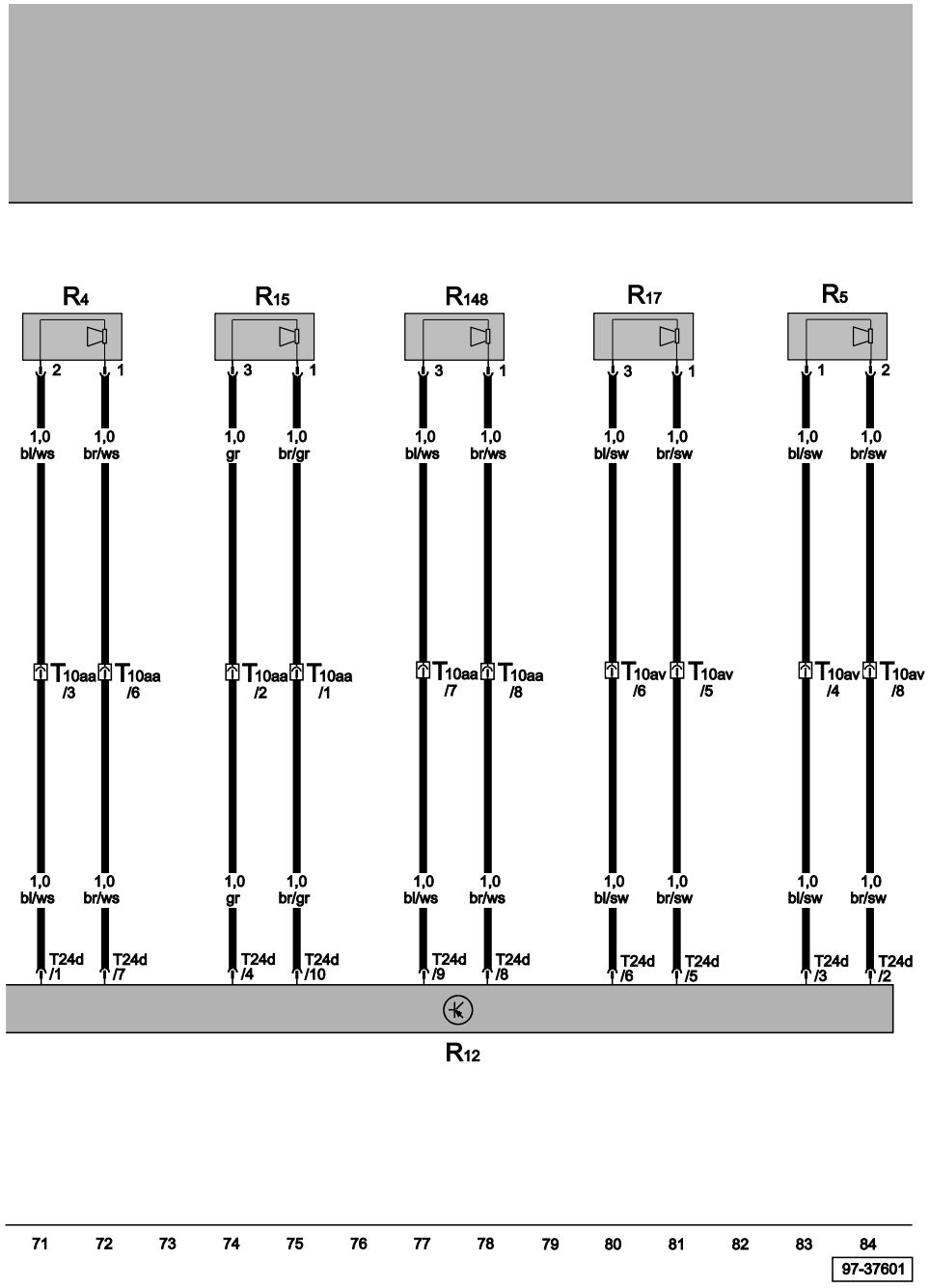
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T23a	23-pin connector, red
*	applicable up to May 2003
**	applicable from June 2003



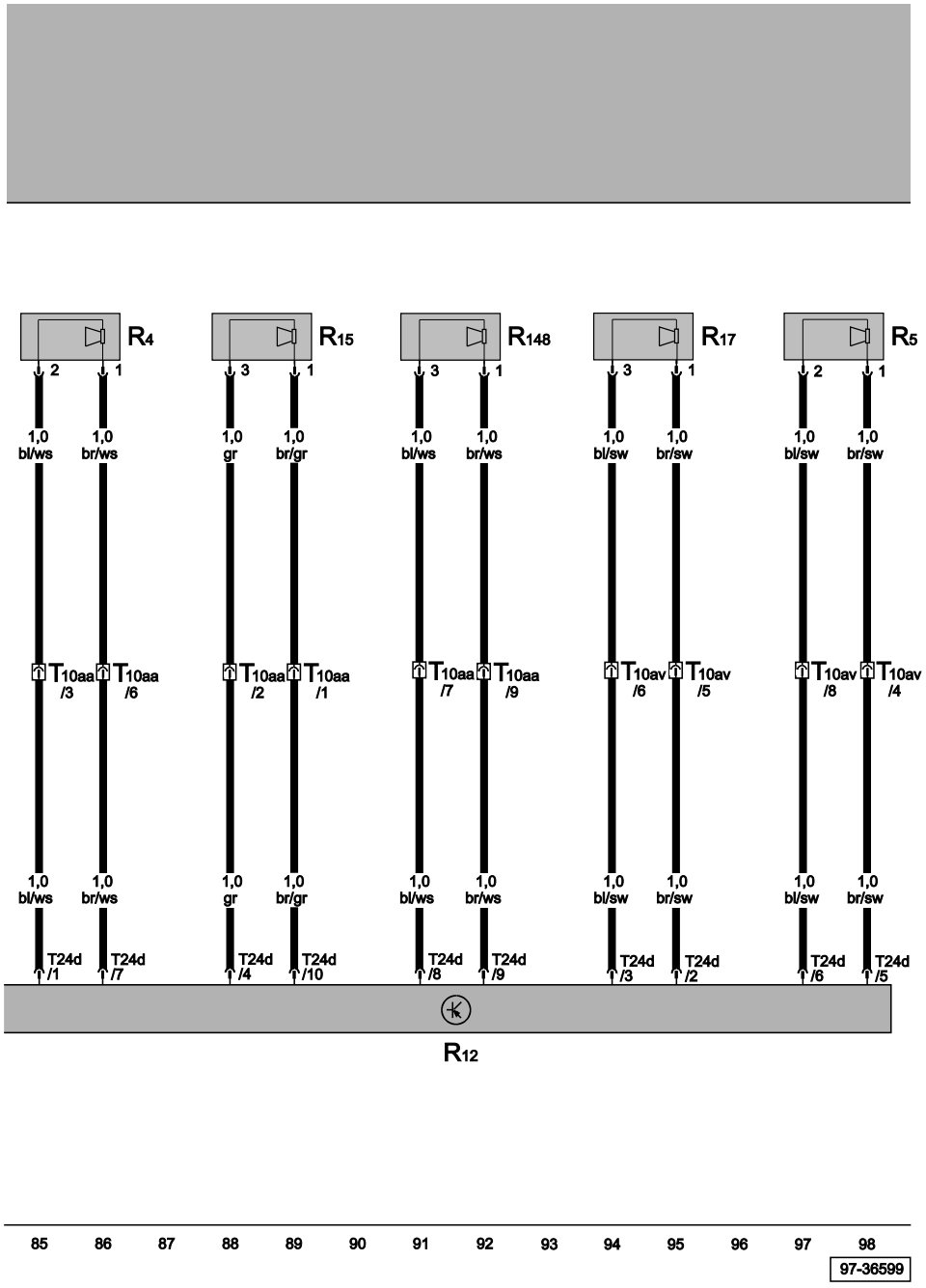
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeaker, middle loudspeaker (applicable up to May 2003)

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

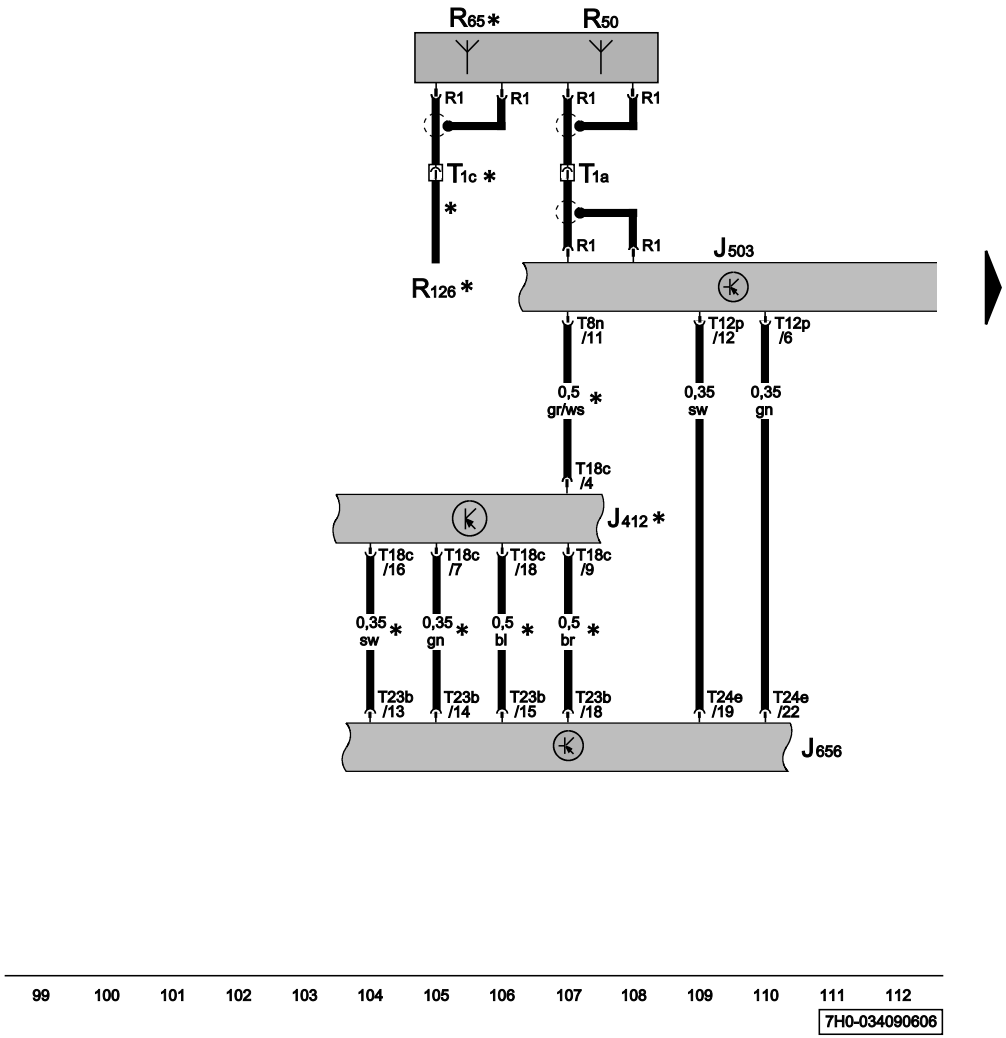


Amplifier, rear loudspeaker, middle loudspeaker (applicable from June 2003)

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





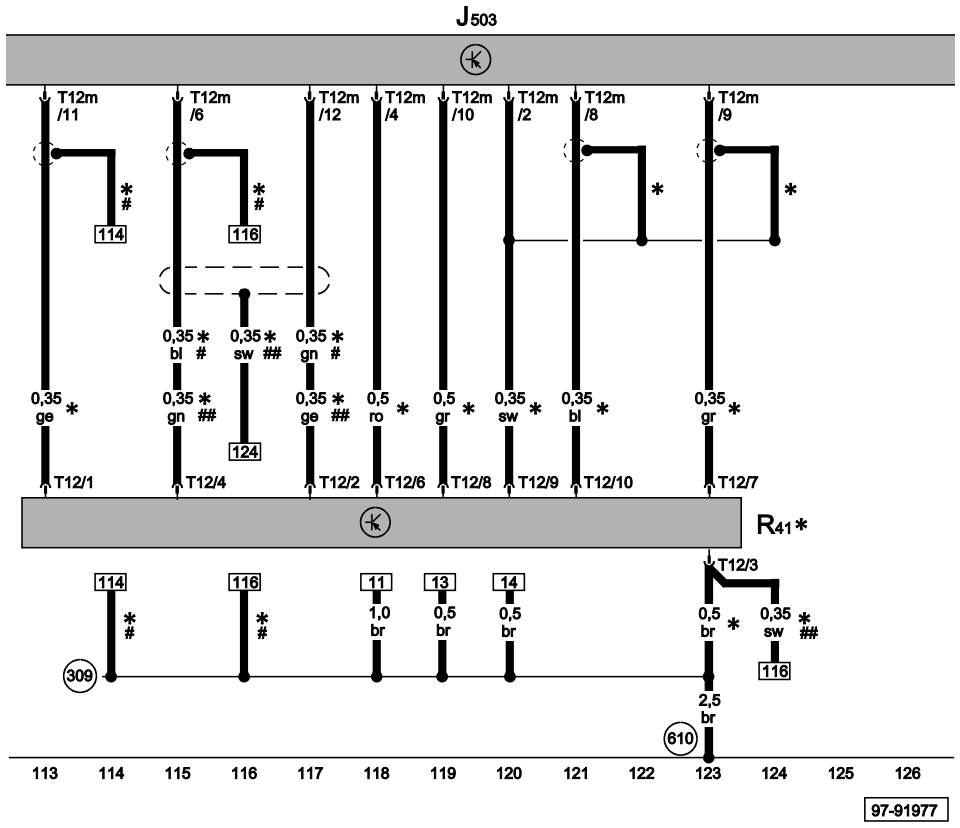
Control unit with display for radio and navigation system, voice amplification control unit, mobile telephone operating electronics control unit, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R1	Aerial connection
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, CD changer

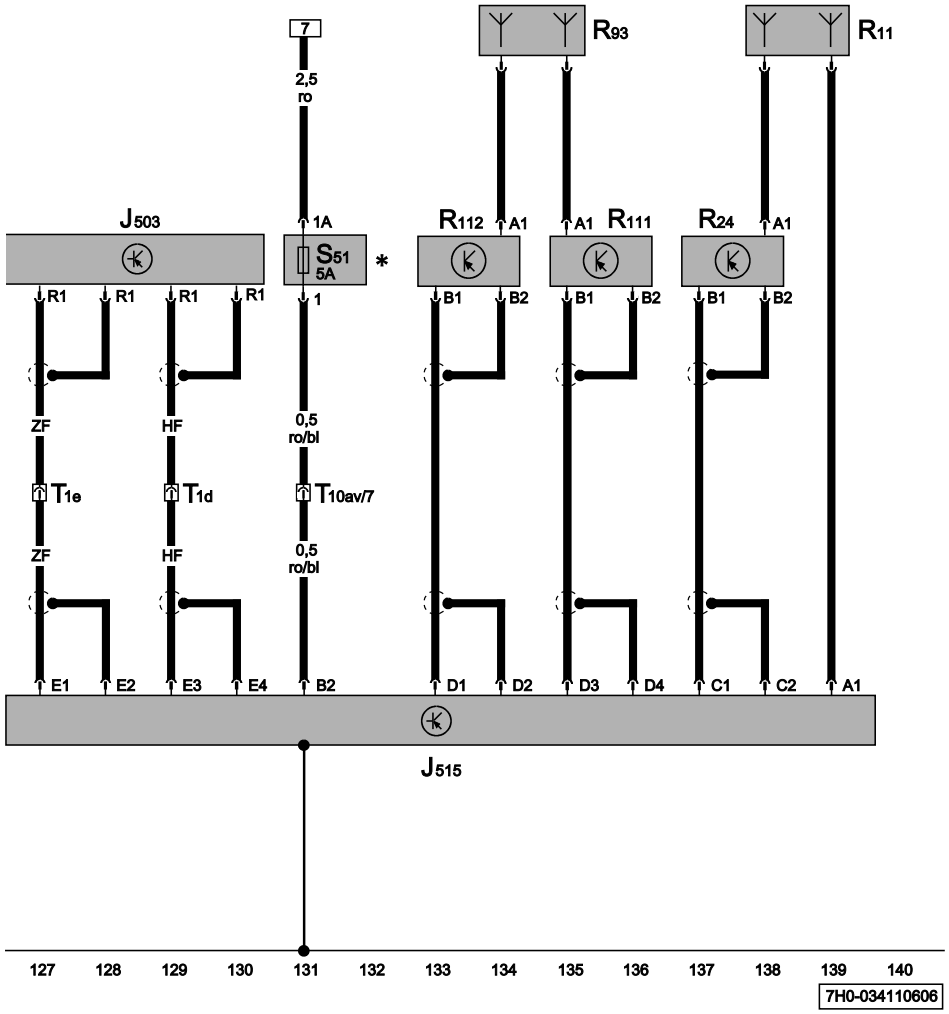
J503	Control unit with display for radio and navigation system
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
#	applicable up to February 2004
##	applicable from March 2004



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial selection control unit, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
J515	Aerial selection control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
*	On relay carrier, left seat box, ⇒ Fitting Locations



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

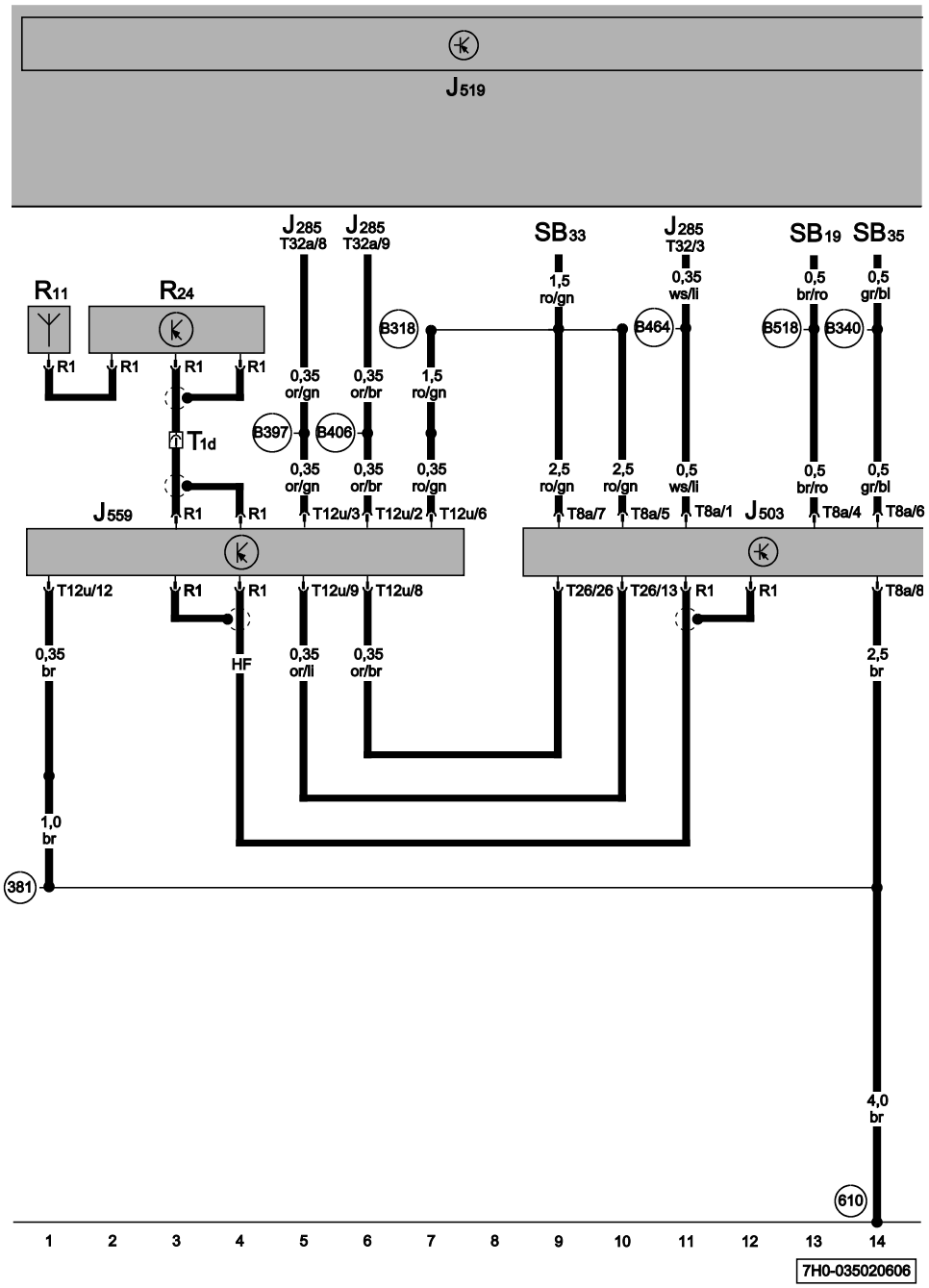
Radio and navigation system with colour display

⇒ **Traffic information control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

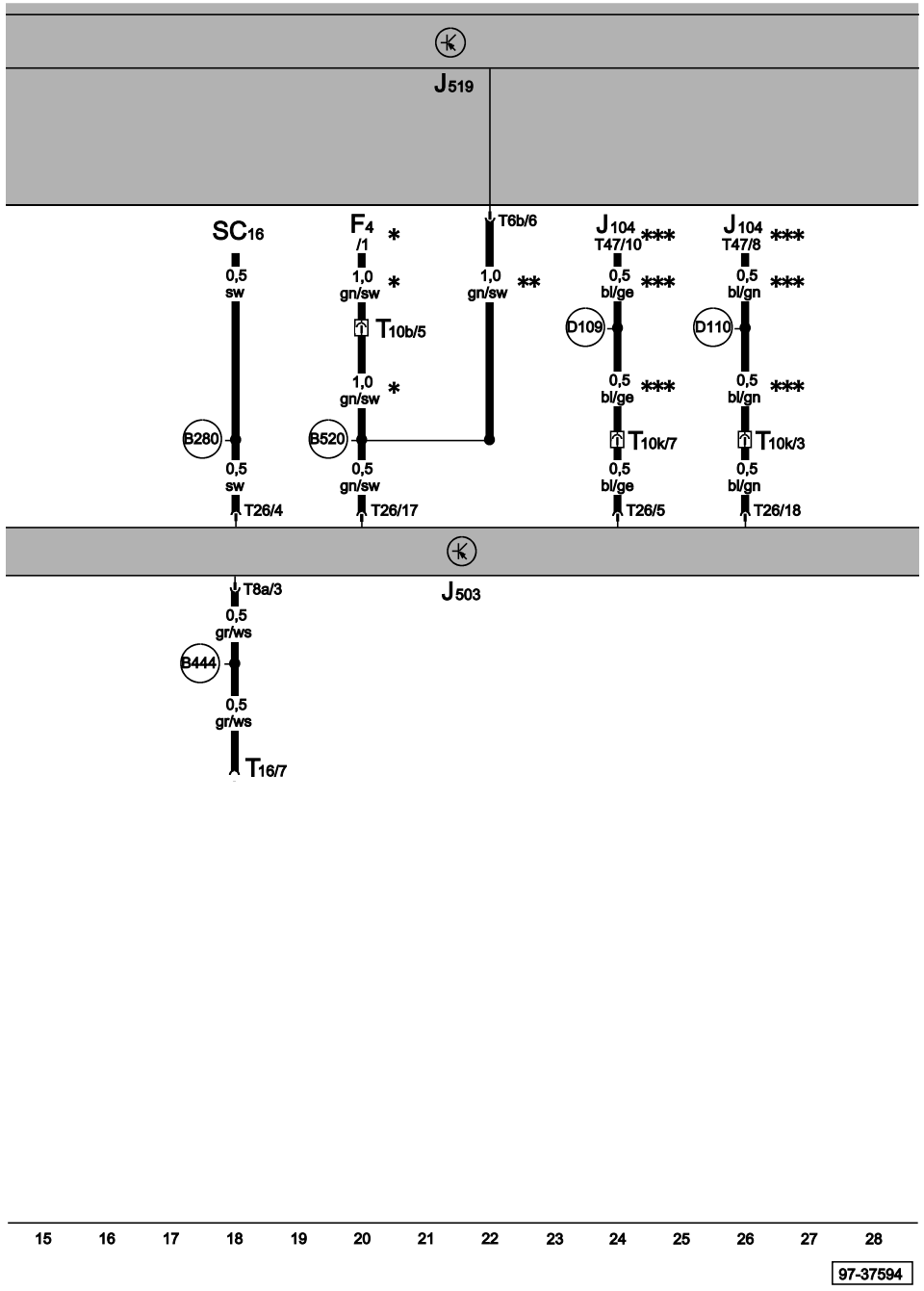
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply, traffic information control unit, aerial, aerial amplifier

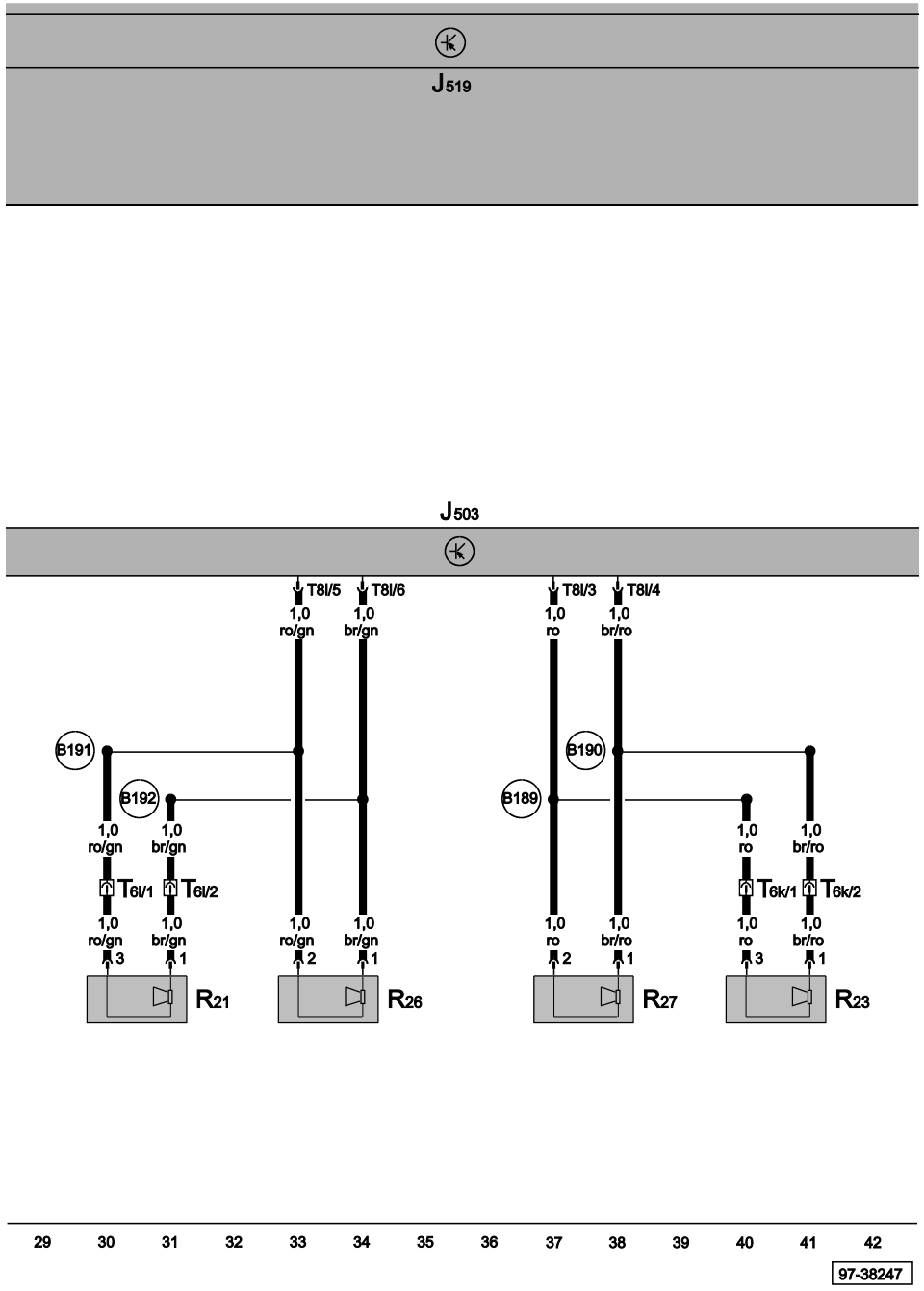
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12u	12-pin connector, black
T26	26-pin connector
T32	32-pin connector, blue
T32a	32-pin connector, green
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness



Control unit with display for radio and navigation system, voltage supply, reversing light switch

F4	Reversing light switch
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SC16	Fuse 16 on fuse holder C
T6b	6-pin connector, red
T8a	8-pin connector, black
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T26	26-pin connector
T47	47-pin connector
B280	Positive connection 4 (15a), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only
***	depends on equipment ⇒ ABS Current Flow Diagram

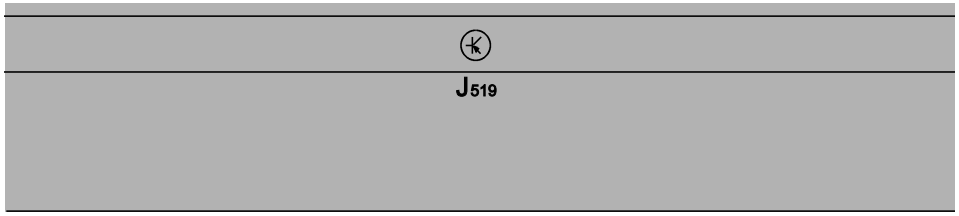
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, front loudspeaker

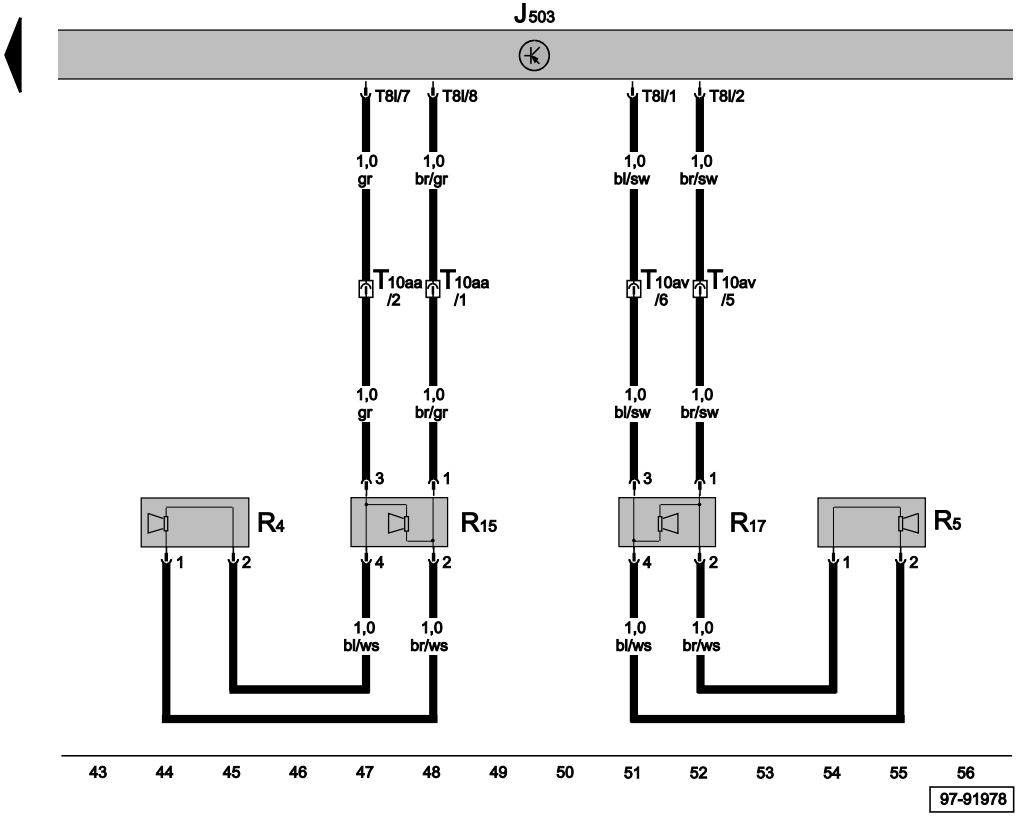
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8l	8-pin connector, brown
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

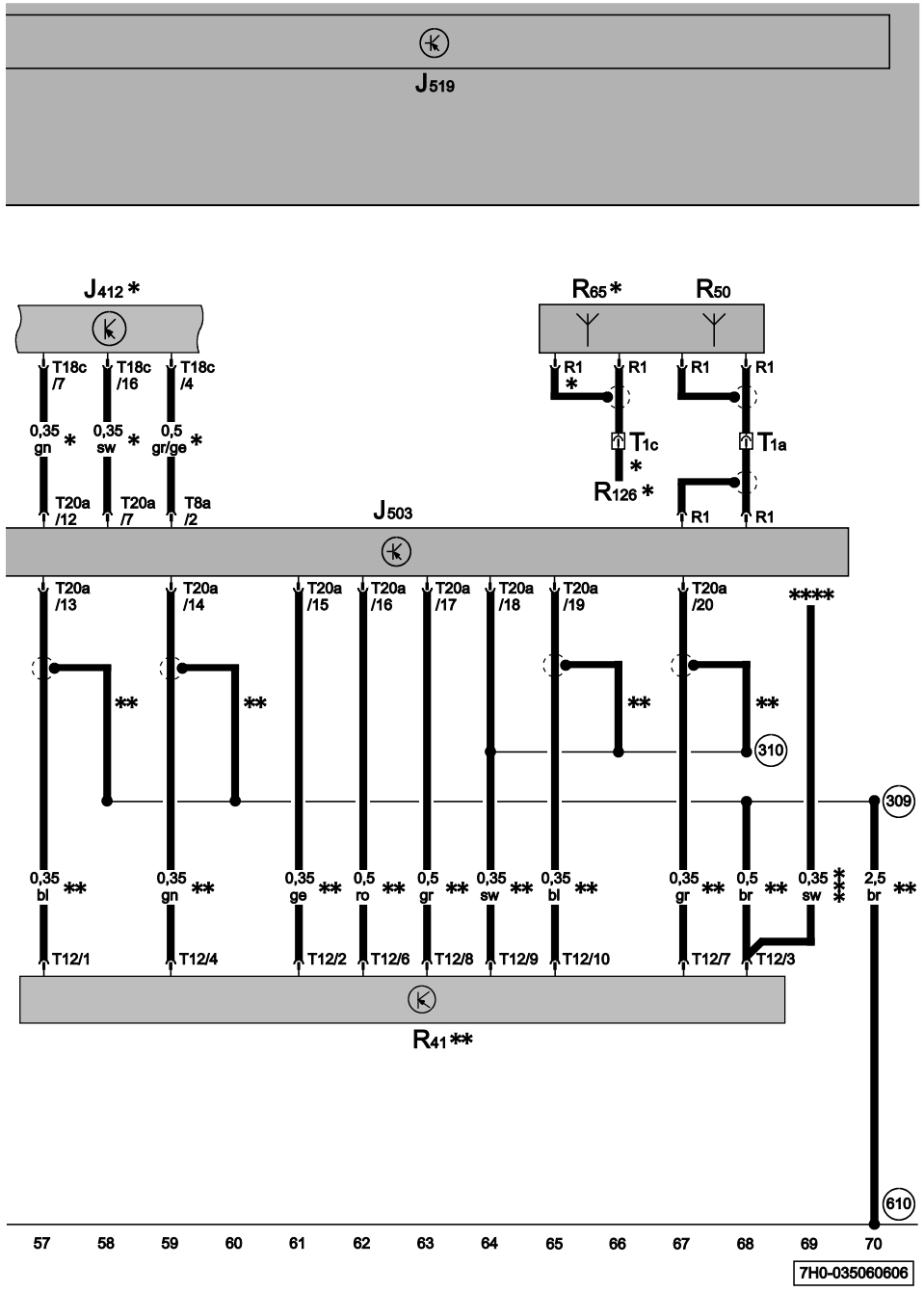


Control unit with display for radio and navigation system, rear loudspeaker (for models with rear loudspeaker only)

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection
T20a	20-pin connector, on radio three parts
(309)	Earth connection -1-, screening, in CD changer wiring harness
(310)	Earth connection 2, screening, in CD changer wiring harness
(610)	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	for models with CD changer of prepared for CD changer only
***	Depends on equipment
****	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Sliding doors, electric (GX5/ GZ1/ GZ5/ GZ6)

⇒ **Power latching system**

from March 2003

Notes:

For information concerning

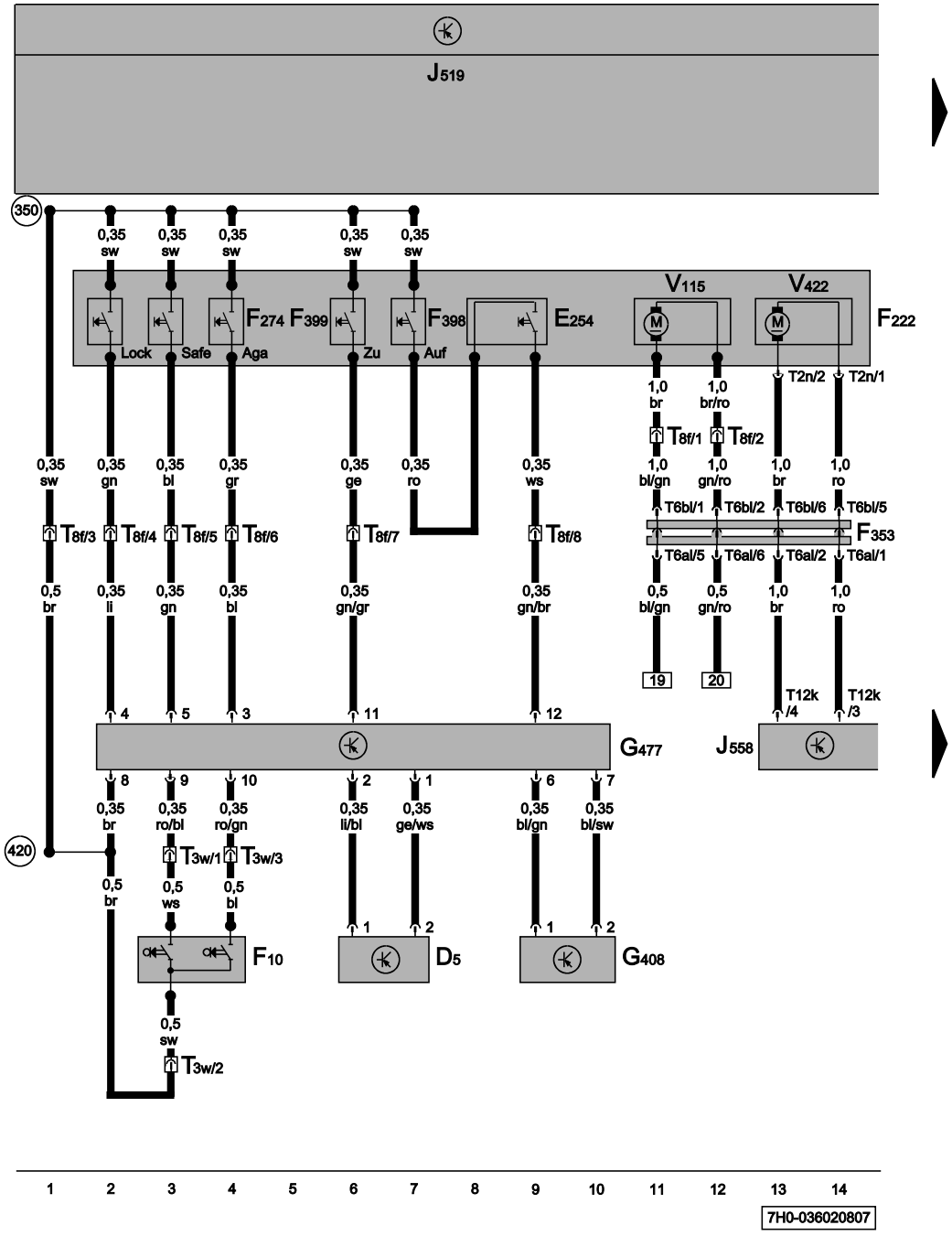
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

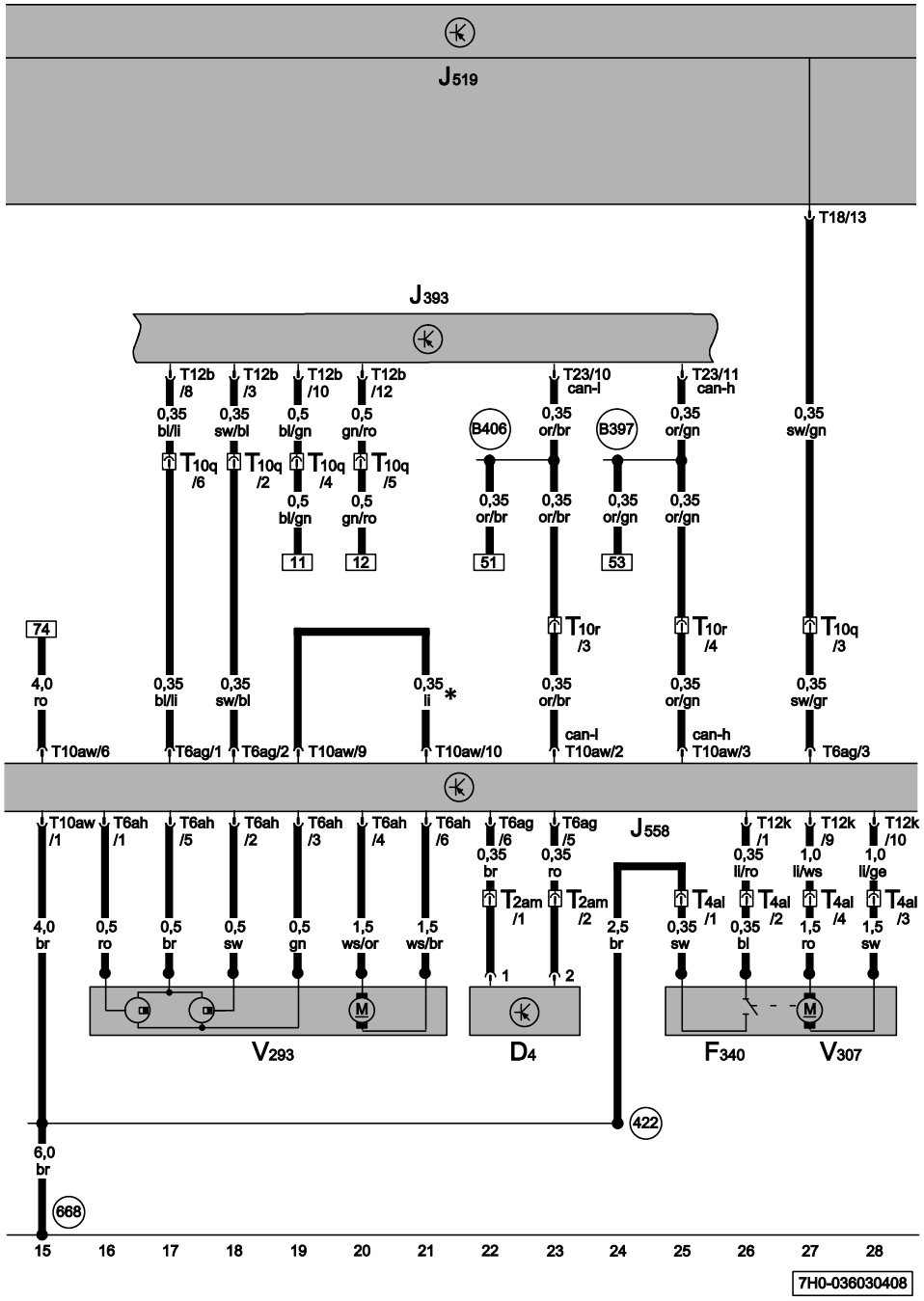
⇒ guided fault finding



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sliding door sender unit, sliding door control unit

D5	Sliding door solenoid coil
E254	Childproof lock switch
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F274	Rear left door exterior handle switch
F353	Left sliding door contact strip
F398	Interior door handle switch for opening rear left door
F399	Interior door handle switch for closing rear left door
G408	Anti-trapping sensor
G477	Sliding door sender unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2n	2-pin connector
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8f	8-pin connector
T12k	12-pin connector
V115	Rear left door central locking motor
V422	Rear left rotary latch motor
350	Earth connection 2, in rear left door wiring harness
420	Earth connection 1, in left sliding door wiring harness

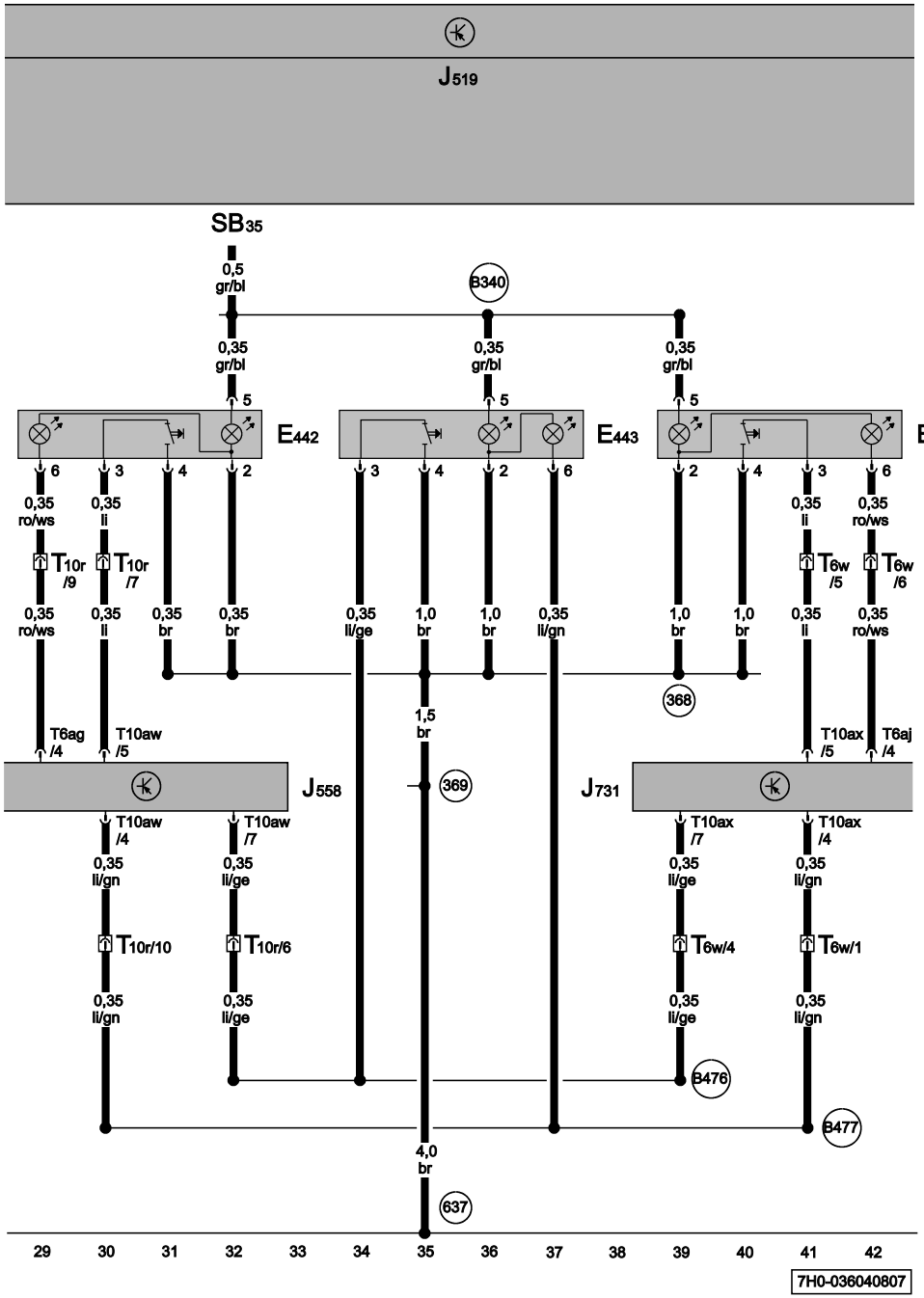
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Sliding door reader coil, sliding door opening motor, rear left power latching motor, sliding door control unit

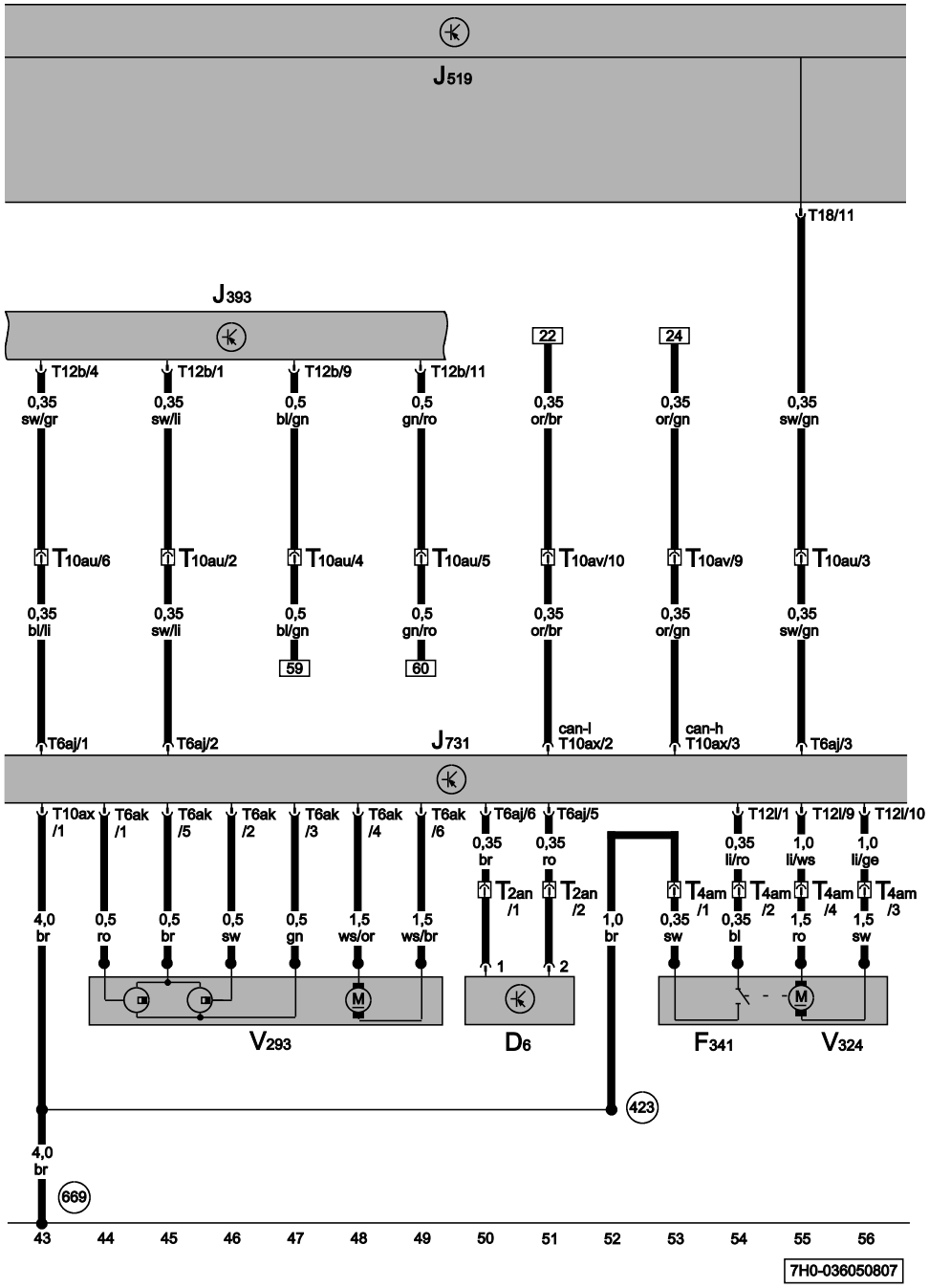
D4	Sliding door reader coil
F340	Rear left door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2am	2-pin connector, black, under roof, near left B-pillar
T4al	4-pin connector, black, on left C-pillar
T6ag	6-pin connector
T6ah	6-pin connector, light-brown
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T12b	12-pin connector
T12k	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
V293	Sliding door opening motor
V307	Rear left door power latching motor
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	Left sliding door coding link



Sliding door button, button to deactivate sliding door, left and right sliding door control unit

E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
SB35	Fuse 35 on fuse holder B
T6w	6-pin connector, light-pink, coupling station under front passenger seat
T6ag	6-pin connector
T6aj	6-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T10ax	10-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B476	Connection 12 in main wiring harness
B477	Connection 13 in main wiring harness

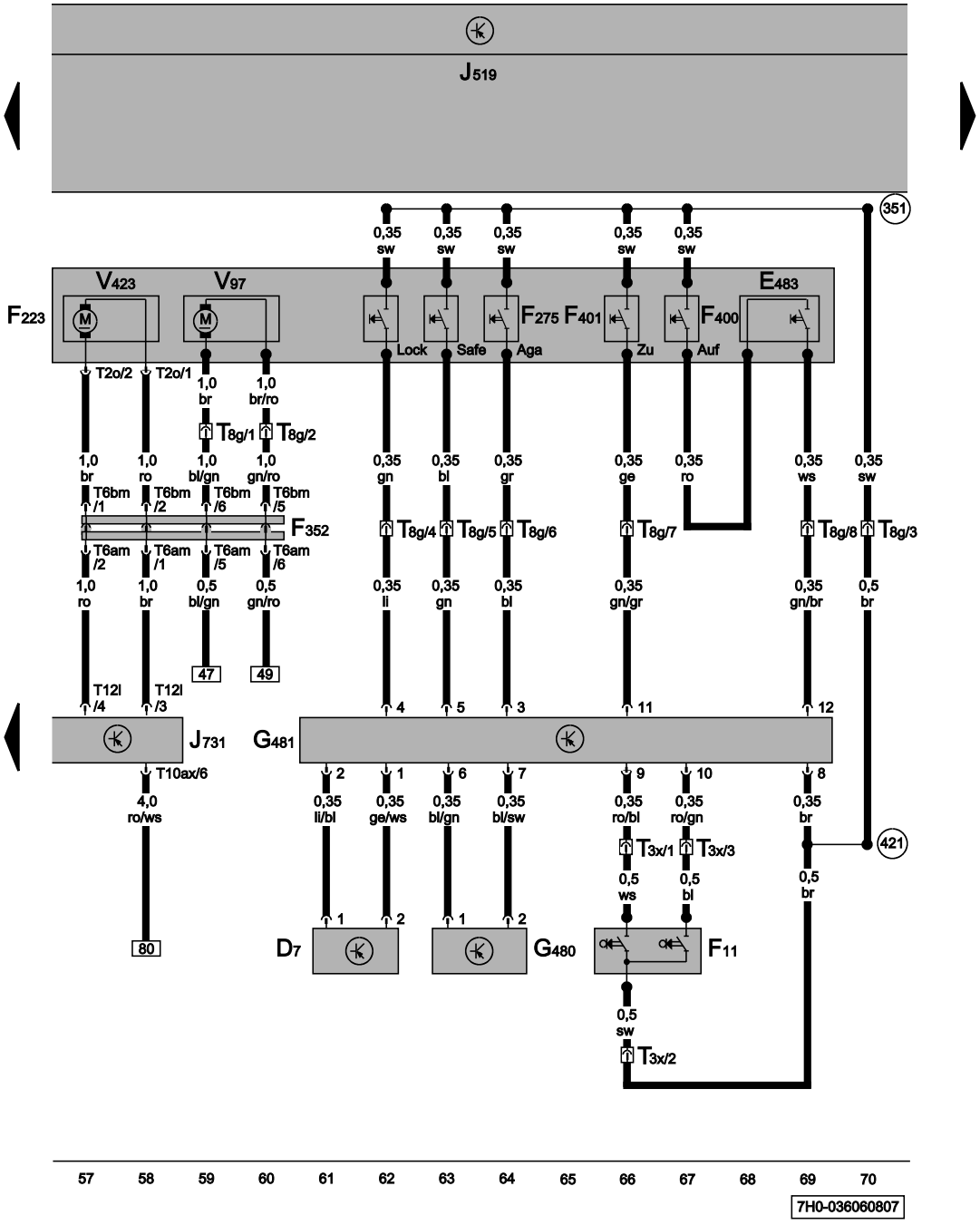
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Right sliding door reader coil, sliding door opening motor, sliding door power latching motor, right sliding door control unit

D6	Right sliding door reader coil
F341	Rear right door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2an	2-pin connector, black, under roof, near right B-pillar
T4am	4-pin connector, black, on right C-pillar
T6aj	6-pin connector
T6ak	6-pin connector
T10au	10-pin connector, black, coupling station under front passenger seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10ax	10-pin connector
T12b	12-pin connector
T12l	12-pin connector
T18	18-pin connector, black
V293	Sliding door opening motor
V324	Sliding door power latching motor
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar

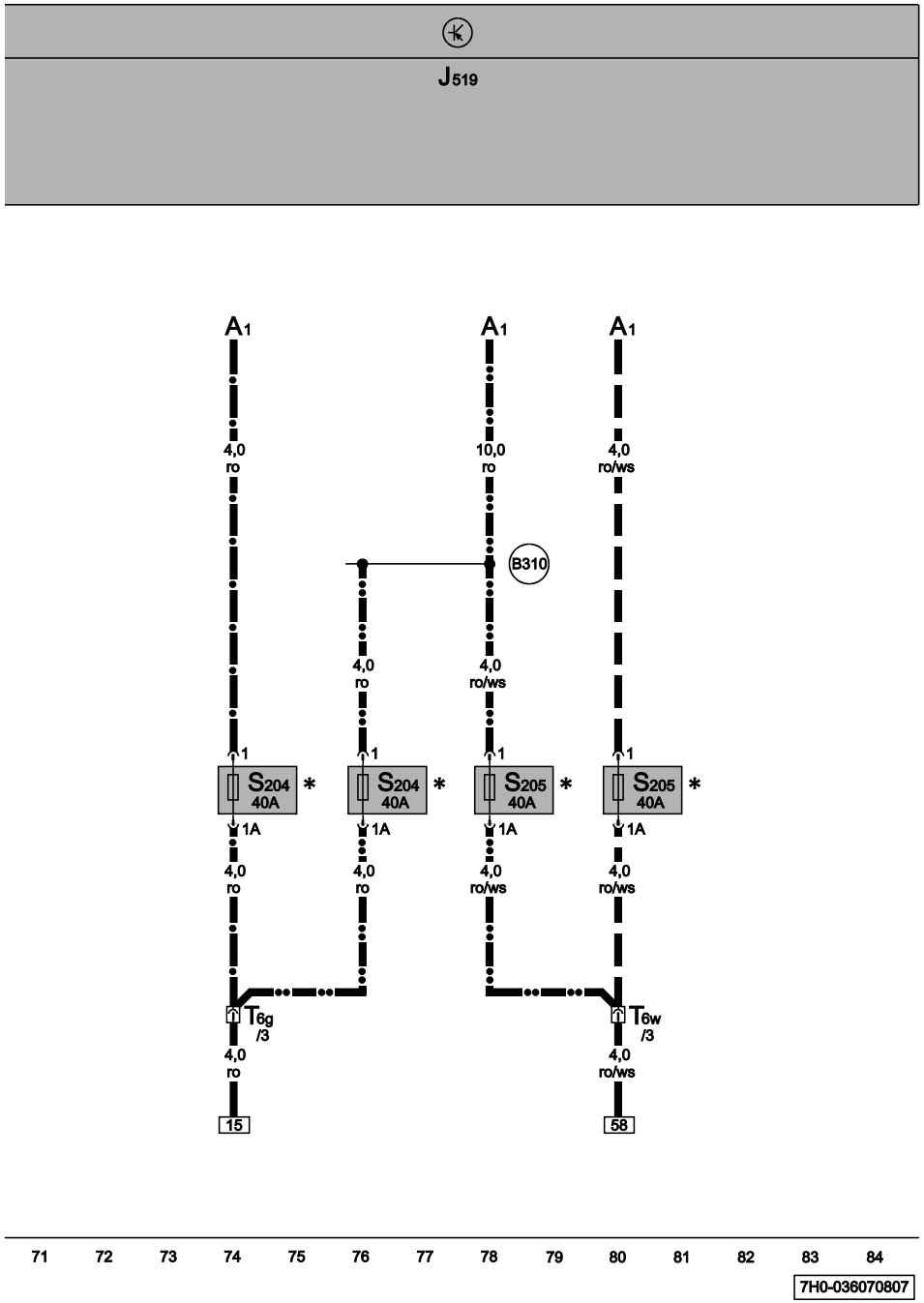
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sender unit and right sliding door control unit

D7	Right sliding door solenoid coil
E483	Right childproof lock switch
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F352	Right sliding door contact strip
F400	Interior door handle switch for opening rear right door
F401	Interior door handle switch for closing rear right door
G480	Right anti-trapping sensor
G481	Right electric sliding door sender unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2o	2-pin connector
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T8g	8-pin connector
T10ax	10-pin connector
T12l	12-pin connector
V97	Rear right door central locking motor
V423	Rear right rotary latch motor
351	Earth connection 2, in rear right door wiring harness
421	Earth connection 1, in right sliding door wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Second battery, fuse 1 (30), fuse 2 (30)

A1	Second battery
J519	Onboard supply control unit
S204	Fuse 1 (30)
S205	Fuse 2 (30)
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

<fo:exter for models with left sliding door only
nal-
graphic
src="/../
PDOC/
samba/
tools/
png-
convert/
out//slp/
ft_icons/
m_k_m.p
ng"
content-
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samba/
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nal-

sw	=	black
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ge	=	yellow
or	=	orange
rs	=	pink

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Telephone preparation

from March 2003

Notes:

For information concerning

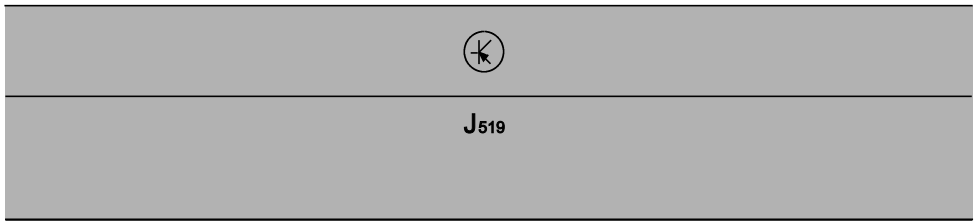
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

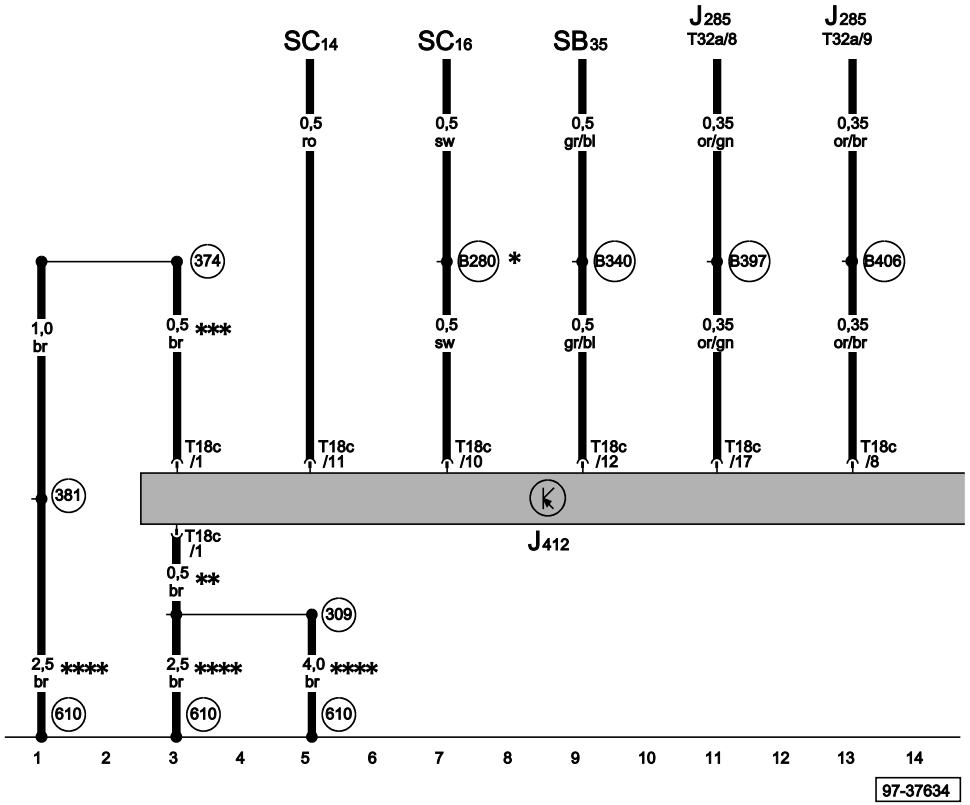
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding





ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Mobile telephone operating electronics control unit, fuse

J285 Control unit in dash panel insert
J412 Mobile telephone operating electronics control unit
J519 Onboard supply control unit
SB35 Fuse 35 on fuse holder B
SC14 Fuse 14 on fuse holder C
SC16 Fuse 16 on fuse holder C
T18c 18-pin connector, VDA connection
T32a 32-pin connector, green

309 Earth connection 1, screening, in CD changer wiring harness

374 Earth connection 9, in main wiring harness

381 Earth connection 16, in main wiring harness

610 Earth point (audio), under centre console, front

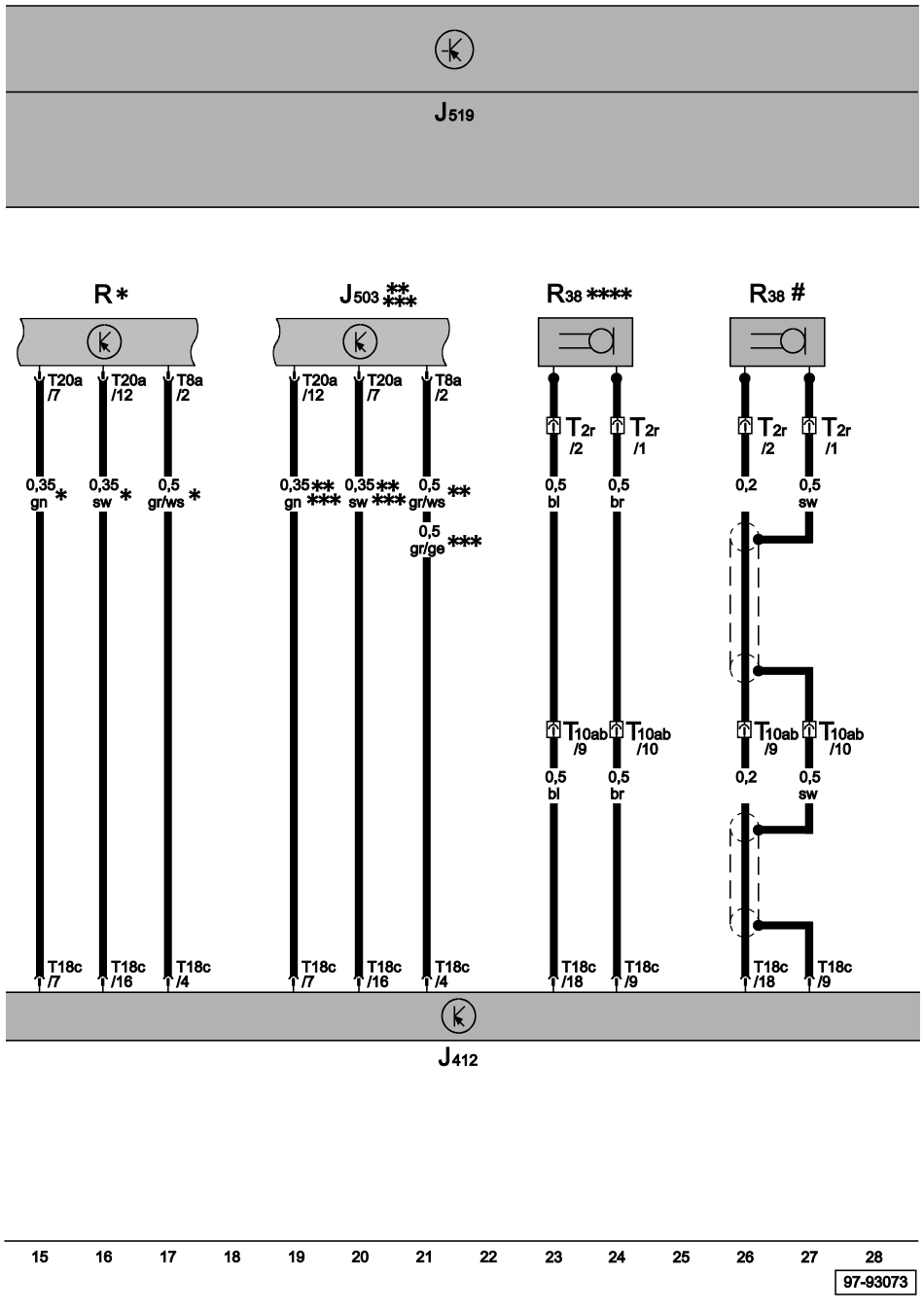
B280 Positive connection 4 (15a), in main wiring harness

B340 Connection 1 (58d), in main wiring harness

B397 Connection 1 (convenience CAN bus, high), in main wiring harness

B406 Connection 1 (convenience CAN bus, low), in main wiring harness

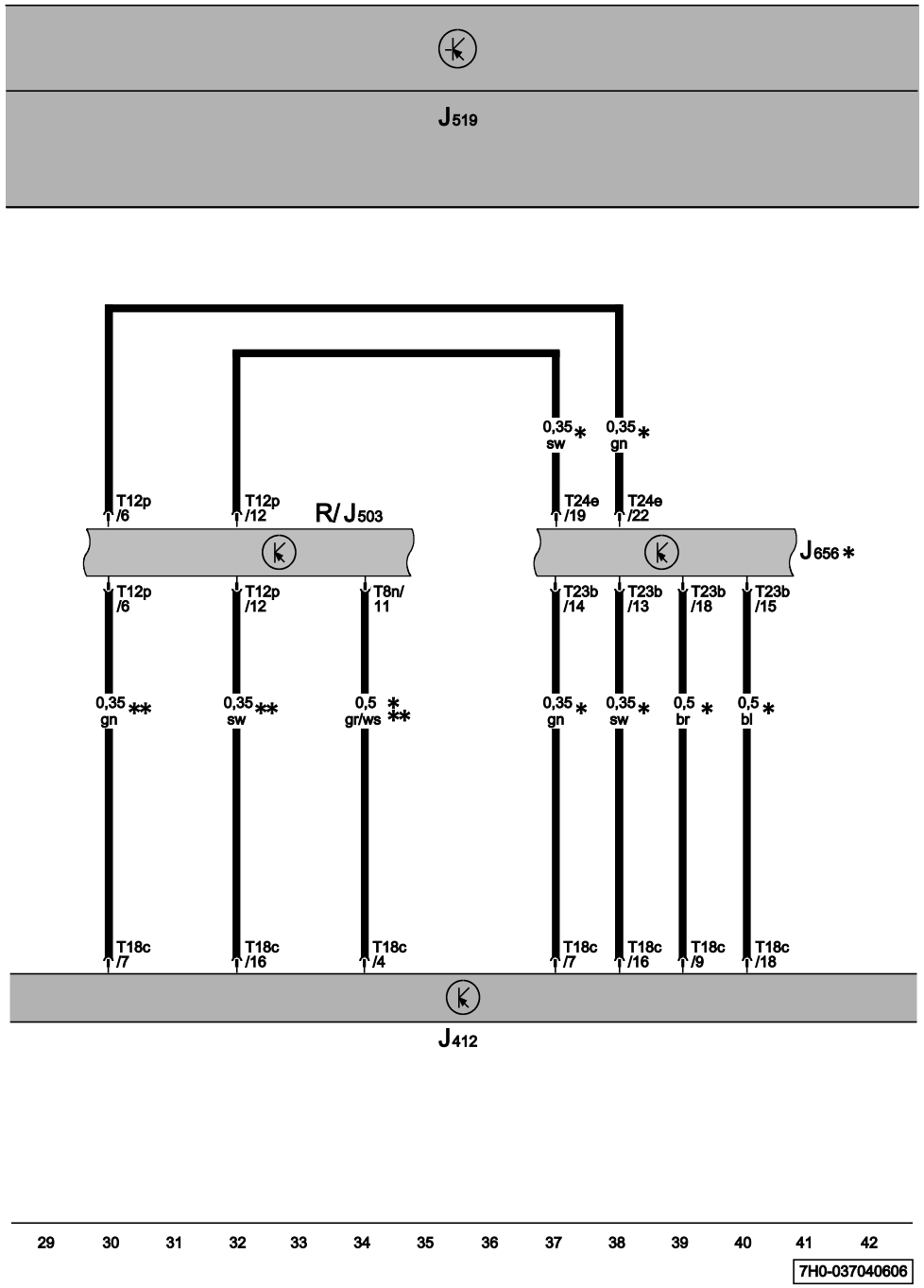
* not with all levels of equipment
** for models with voice amplification or CD changer only
*** for models without voice amplification or CD changer only
**** Depends on equipment



Mobile telephone operating electronics control unit, telephone microphone, control unit with display for radio and navigation, radio

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R	Radio
R38	Telephone microphone
T2r	2-pin connector
T8a	8-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
T18c	18-pin connector, VDA connection
T20a	20-pin connector, on radio three parts
*	for models with radio system Alpha, Beta, Gamma or preparation for radio only
**	for models with radio and navigation system with black/white-display only (7Q5)
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for models without voice amplification only, up to June 2003
#	for models without voice amplification only, from June 2003

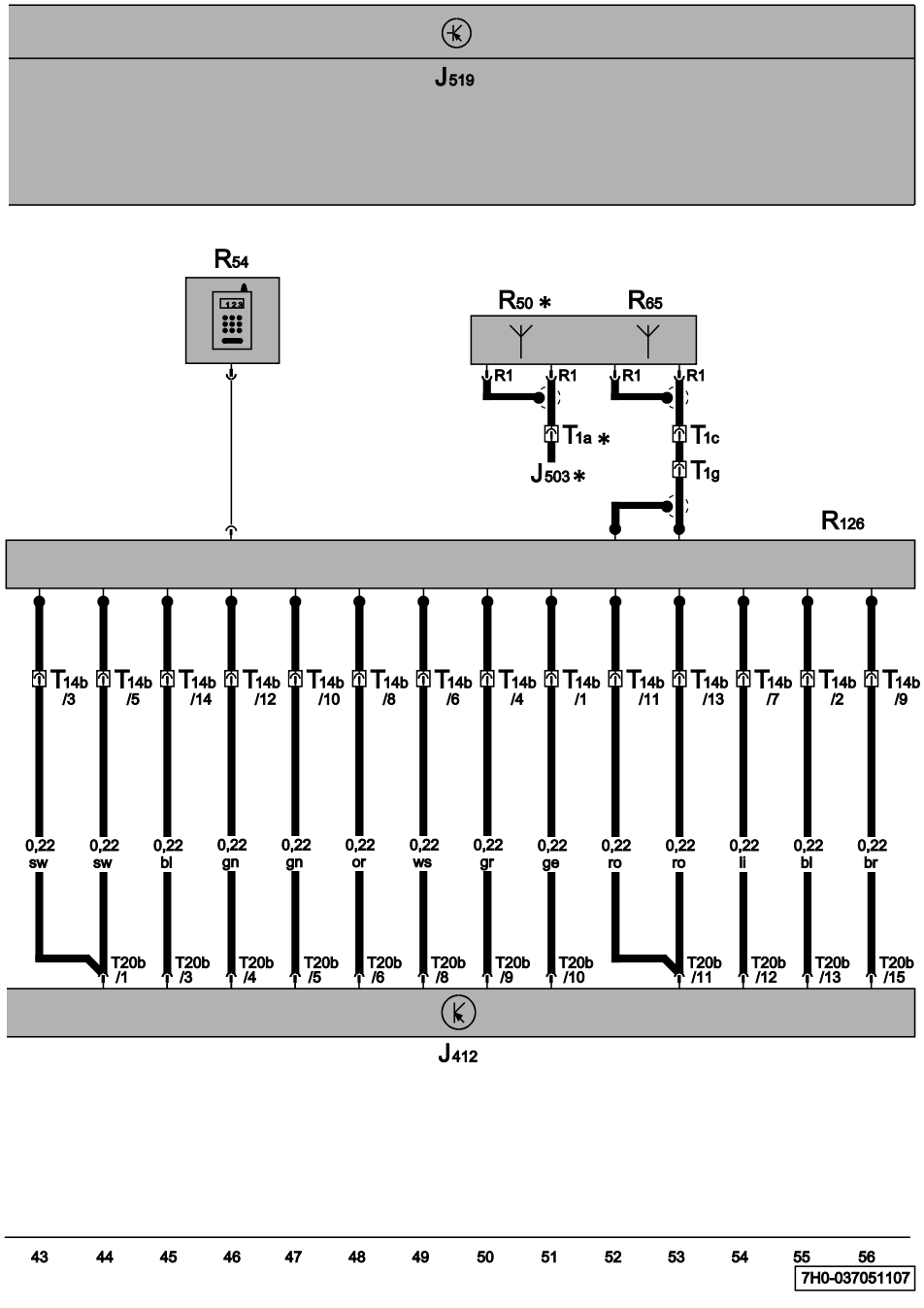
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Mobile telephone operating electronics control unit, voice amplification control unit

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with voice amplification radio / navigation system or radio system Delta only
**	for models without voice amplification radio / navigation system or radio system Delta only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Mobile telephone operating electronics control unit, telephone bracket, telephone aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R50	Navigation system aerial
R54	Mobile telephone
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1g	Single pin connector, near telephone bracket
T14b	14-pin connector, near telephone bracket
T20b	20-pin connector
*	for models with radio / navigation system only (7Q2, 7Q5, 7Q7)

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

12 volt sockets

⇒ **Cool box**

From March 2003

Notes!

Information concerning

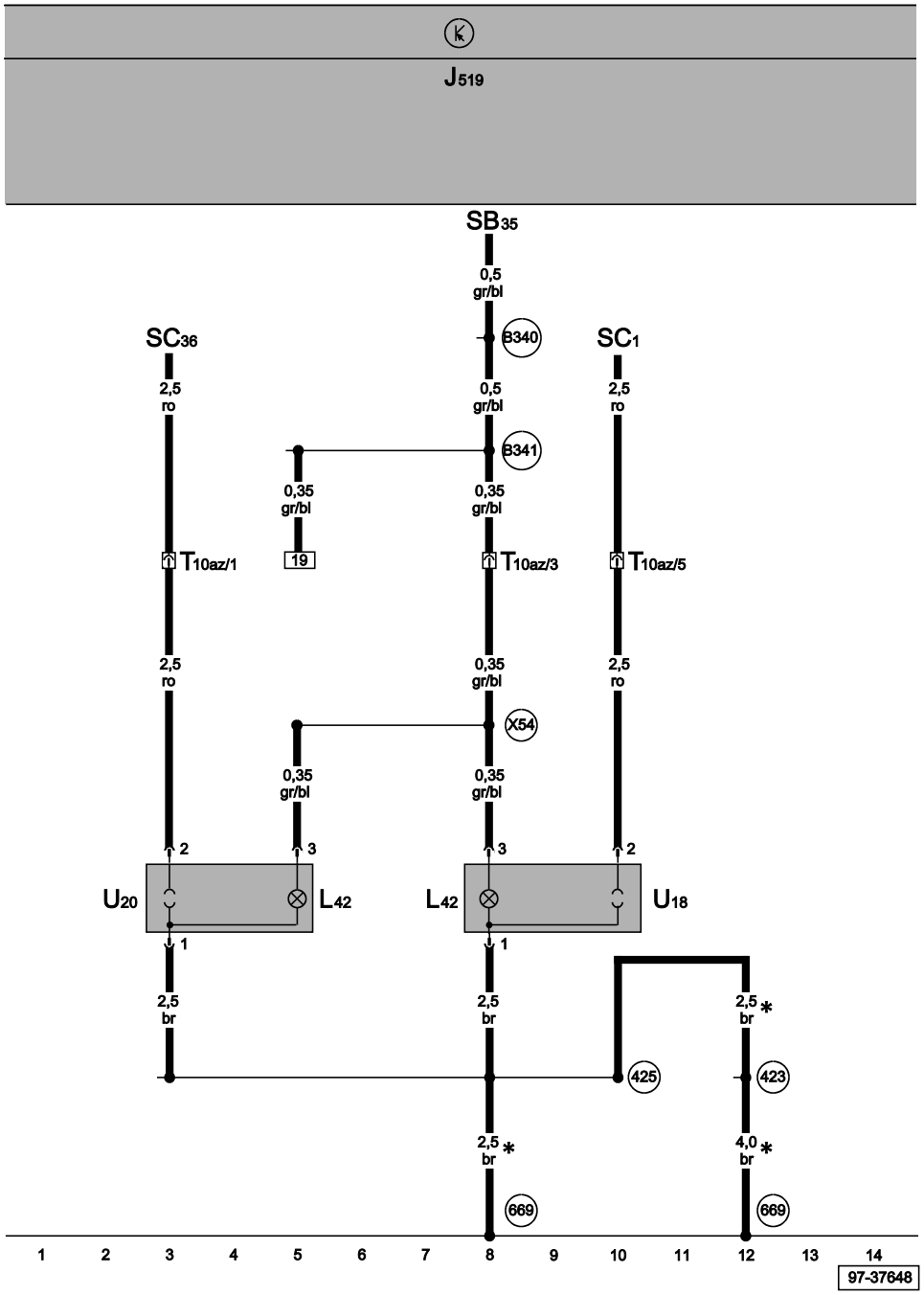
- Relay locations and fuse assignment
- Multi-pin connectors
- Control units and relays
- Earth connections

⇒ Fitting locations overview!

Information concerning

- Fault finding programs

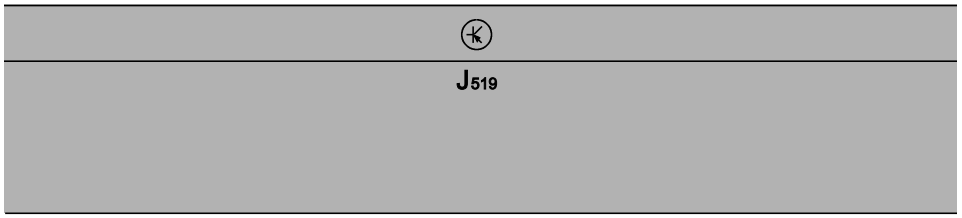
⇒ Guided fault finding

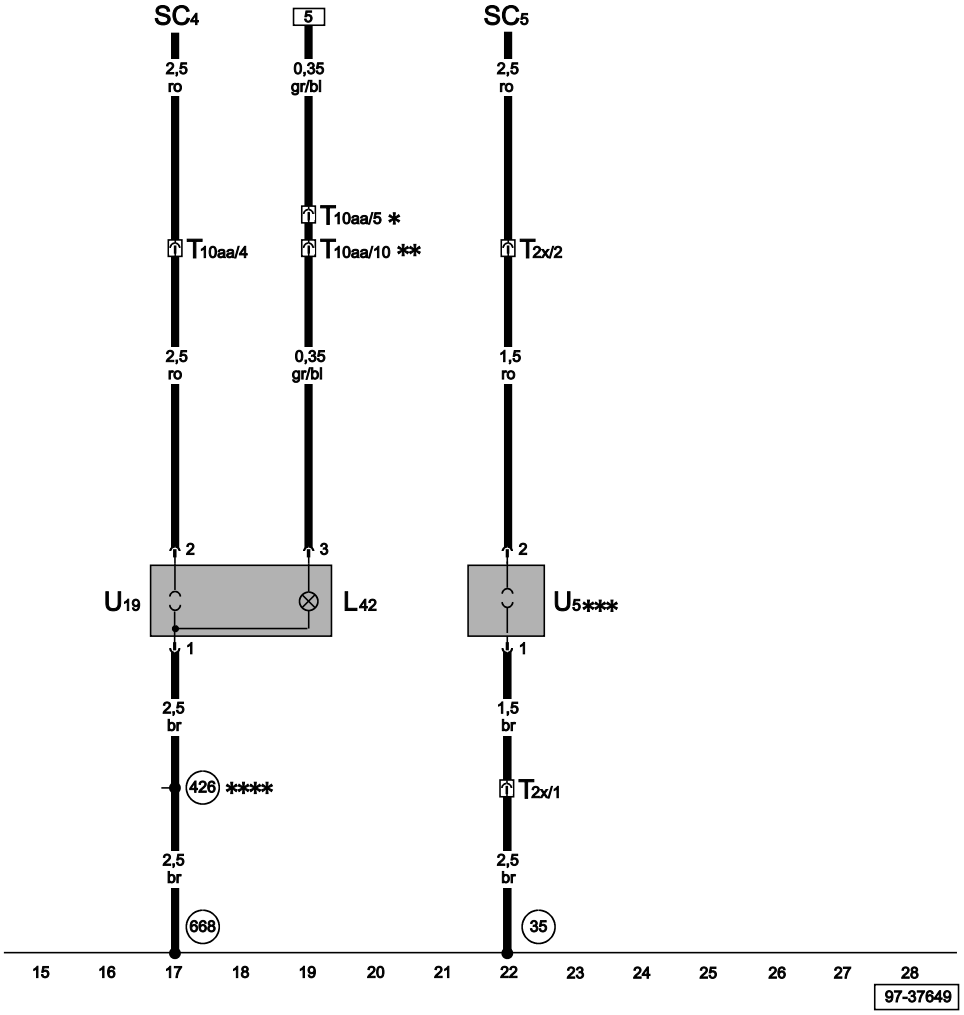


Fuses, 12 V socket -2-, 12 V socket -4-

L42	Socket light bulb
SB35	Fuse -35- on fuse holder
SC1	Fuse -1- on fuse holder
SC36	Fuse -36- on fuse holder
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket -2-
U20	12 V socket -4-
423	Earth connection 1, in rear right wiring harness
425	Earth connection 2, in rear right wiring harness
669	Earth point 2, right D-pillar
B340	Connection -1- (58d), in main wiring harness
B341	Connection -2- (58d), in main wiring harness
X54	Positive connection (58), in optional equipment wiring harness
*	Dependent on equipment level

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





Fuses, 12 V socket, 12 V socket -3-

L42	Socket light bulb
SC4	Fuse -4- on fuse holder
SC5	Fuse -5- on fuse holder
T2x	2-pin connector, black, under front passenger seat
T10aa	10-pin connector, dark brown, coupling station under driver seat
U5	12 V socket
U19	12 V socket -3-
35	Earth point, under front passenger seat
426	Earth connection 3, in rear left wiring harness
668	Earth point 2, left D-pillar
*	Applicable up to May 2003
**	Applicable as of June 2003
***	Applies only to models with cool box
****	Dependent on level of equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Four-wheel drive (4 Motion)

⇒ **Differential lock**

from June 2004

Notes:

For information concerning

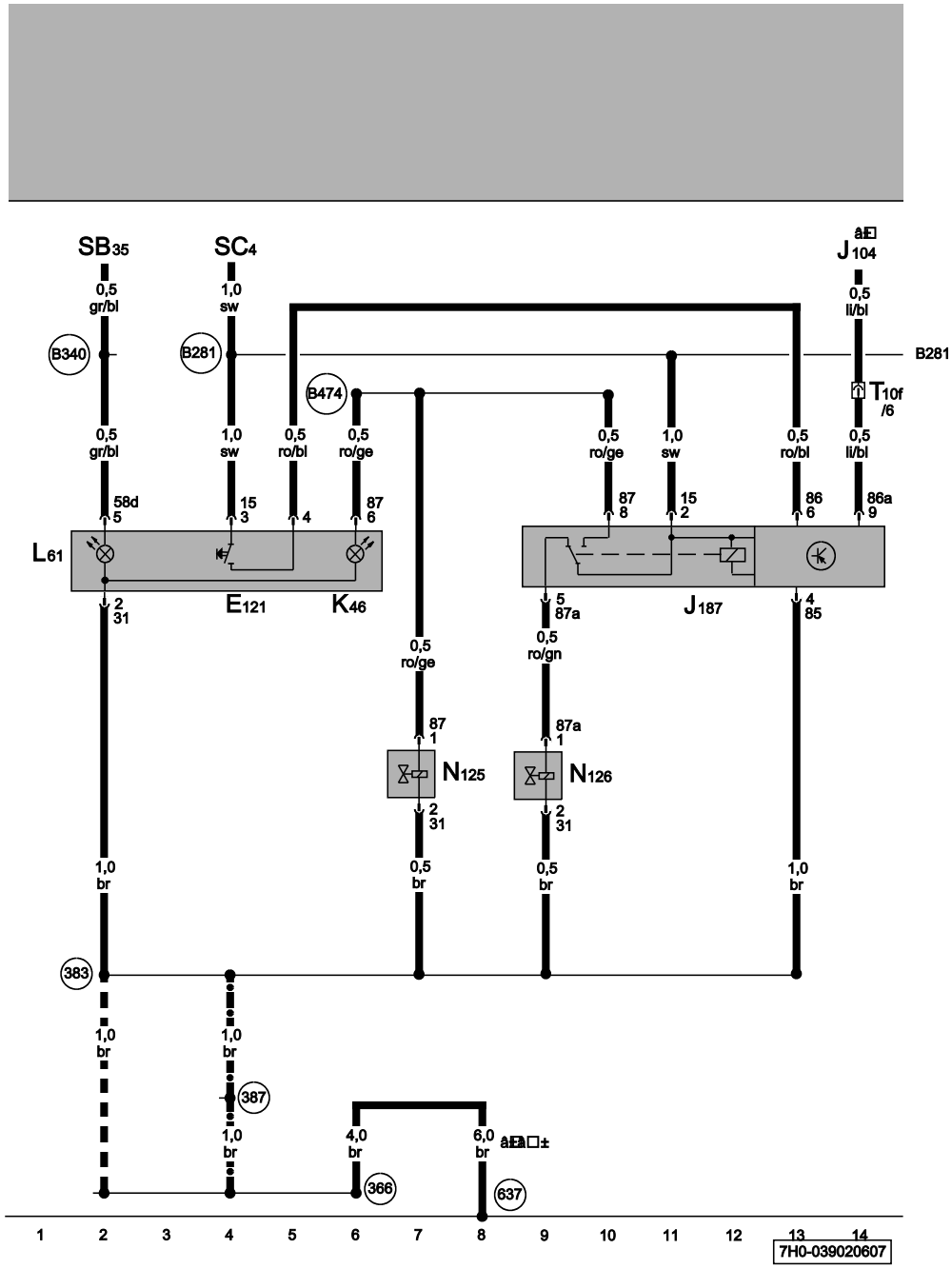
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

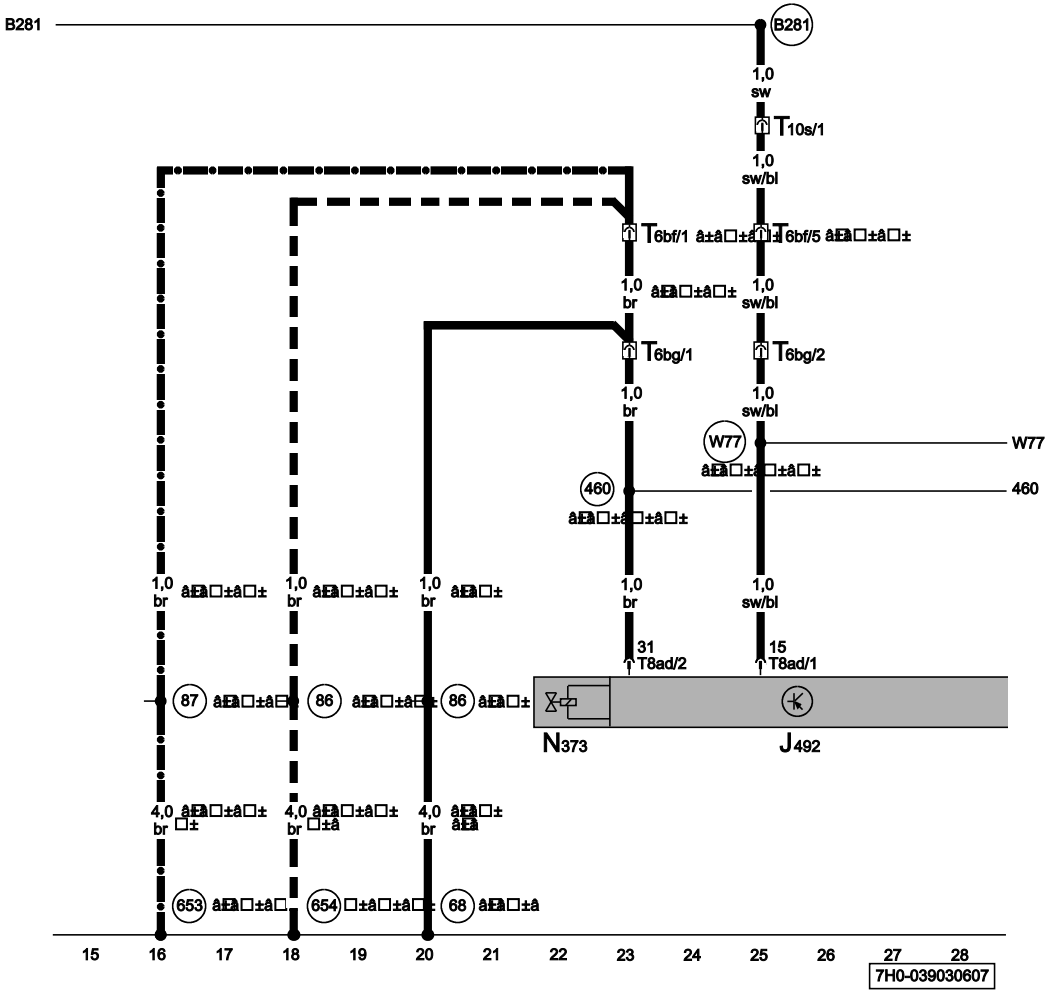
⇒ guided fault finding



Switch for differential lock, rear differential lock warning lamp, differential lock switch illumination bulb, differential lock valves

E121	Rear differential lock switch
J104	ABS control unit
J187	Differential lock control unit
K46	Rear differential lock warning lamp
L61	Differential lock switch illumination bulb
N125	Differential lock valve 1
N126	Differential lock valve 2
SB35	Fuse 35 on fuse holder B
SC4	Fuse 4 on fuse holder C
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
366	Earth connection 1, in main wiring harness
383	Earth connection 18, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B281	Positive connection 5 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B474	Connection 10 in main wiring harness
*	⇒ ABS Current Flow Diagram
**	applicable from June 2006 applicable up to December 2005 applicable from January 2006

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Four-wheel drive control unit, coupling opening control valve

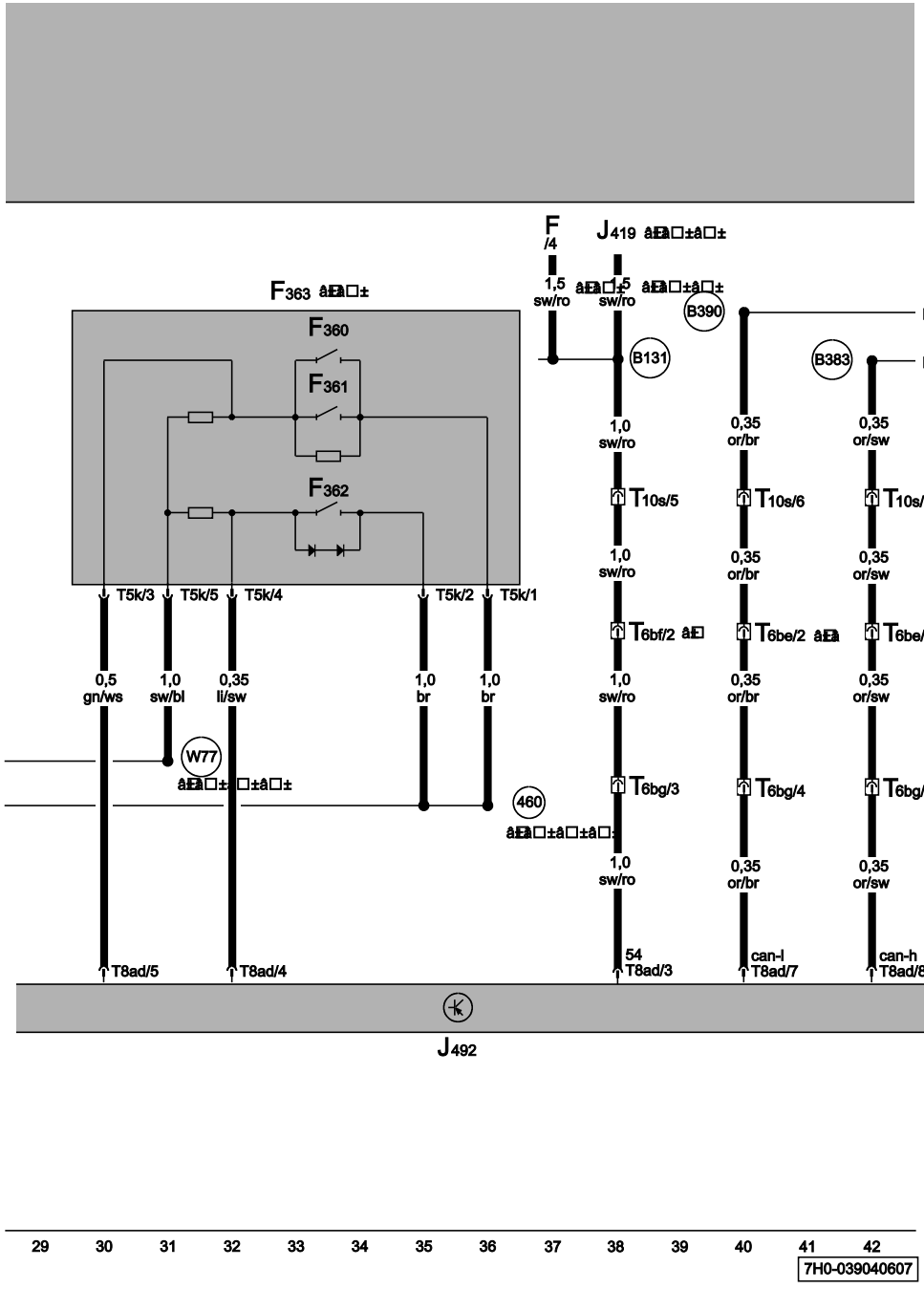
J492	Four-wheel drive control unit
N373	Coupling opening control valve
T6bf	6-pin connector, white, coupling station on left of D-pillar
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
87	Earth connection 2, in rear wiring harness
460	Earth connection 1, in four-wheel drive wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	cross section are equipment dependant
**	for plank bed vehicles/ double cab only
***	for multivan, box-type delivery van or hybrid vehicle only
****	for models with differential lock only

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applicable up to December 2004

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ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

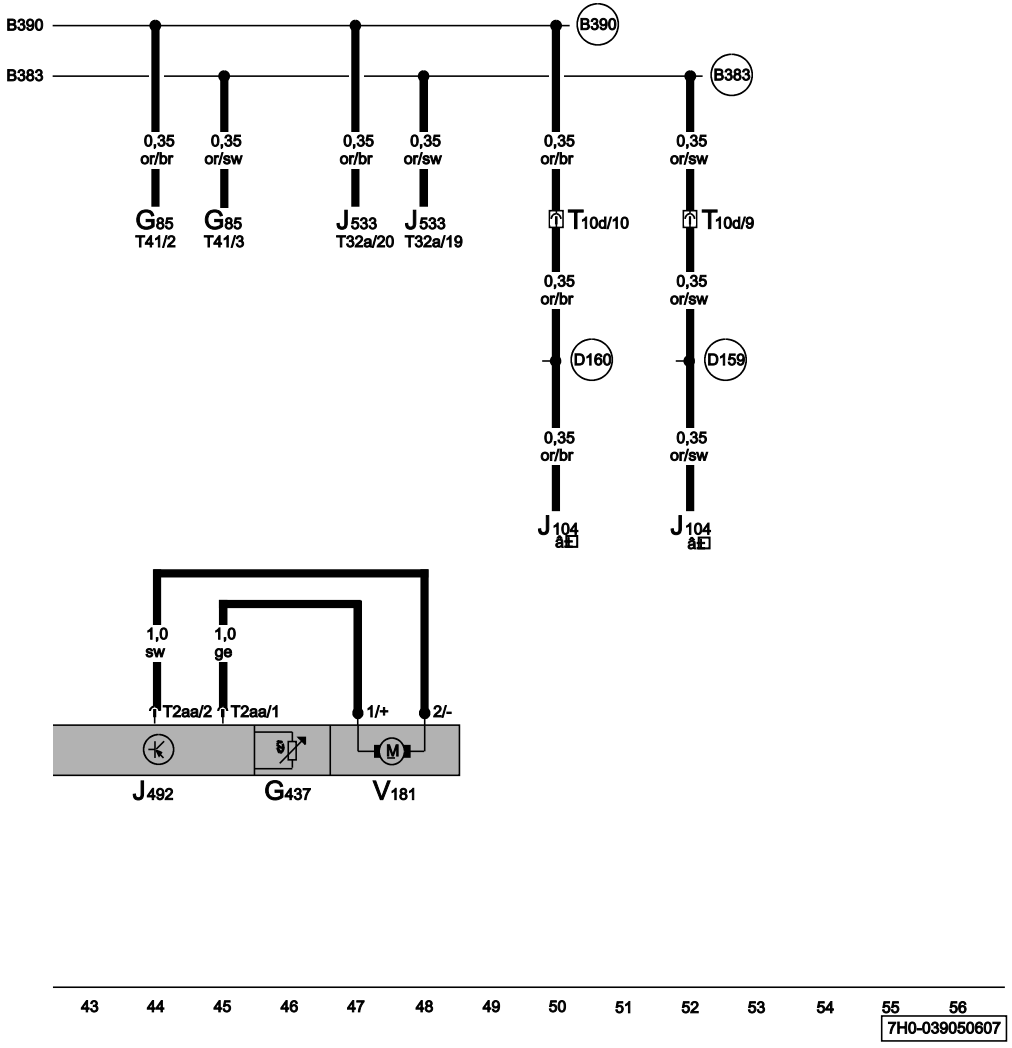
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ft_icons/
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width="2
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scaling="
uniform"/
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Four-wheel drive control unit, rear differential lock vacuum switch

F	Brake light switch
F360	Reed contact switch 1 for differential lock
F361	Reed contact switch 2 for differential lock
F362	Reed contact switch 3 for differential lock
F363	Rear differential lock vacuum switch
J419	Brake light additional relay
J492	Four-wheel drive control unit
T5k	5-pin connector
T6be	6-pin connector, grey, coupling station on left of D-pillar
T6bf	6-pin connector, white, coupling station on left of D-pillar
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
460	Earth connection 1, in four-wheel drive wiring harness
B131	Connection (54), in interior wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	for multivan, box-type delivery van or hybrid vehicle only
**	for models without ESP only, ⇒ ABS Current Flow Diagram
***	for models with ESP only, ⇒ ABS Current Flow Diagram
****	for models with differential lock only

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Four-wheel drive control unit, oil pressure and oil temperature sender, haldex coupling pump, steering angle sender, ABS control unit

G85	Steering angle sender
G437	Oil pressure and oil temperature sender
J104	ABS control unit
J492	Four-wheel drive control unit
J533	Data bus diagnostic interface
T2aa	2-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T32a	32-pin connector, green
T41	41-pin connector
V181	Haldex coupling pump
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Headlight washer system

⇒ **Heated washer jets**

from March 2003

Notes:

For information concerning

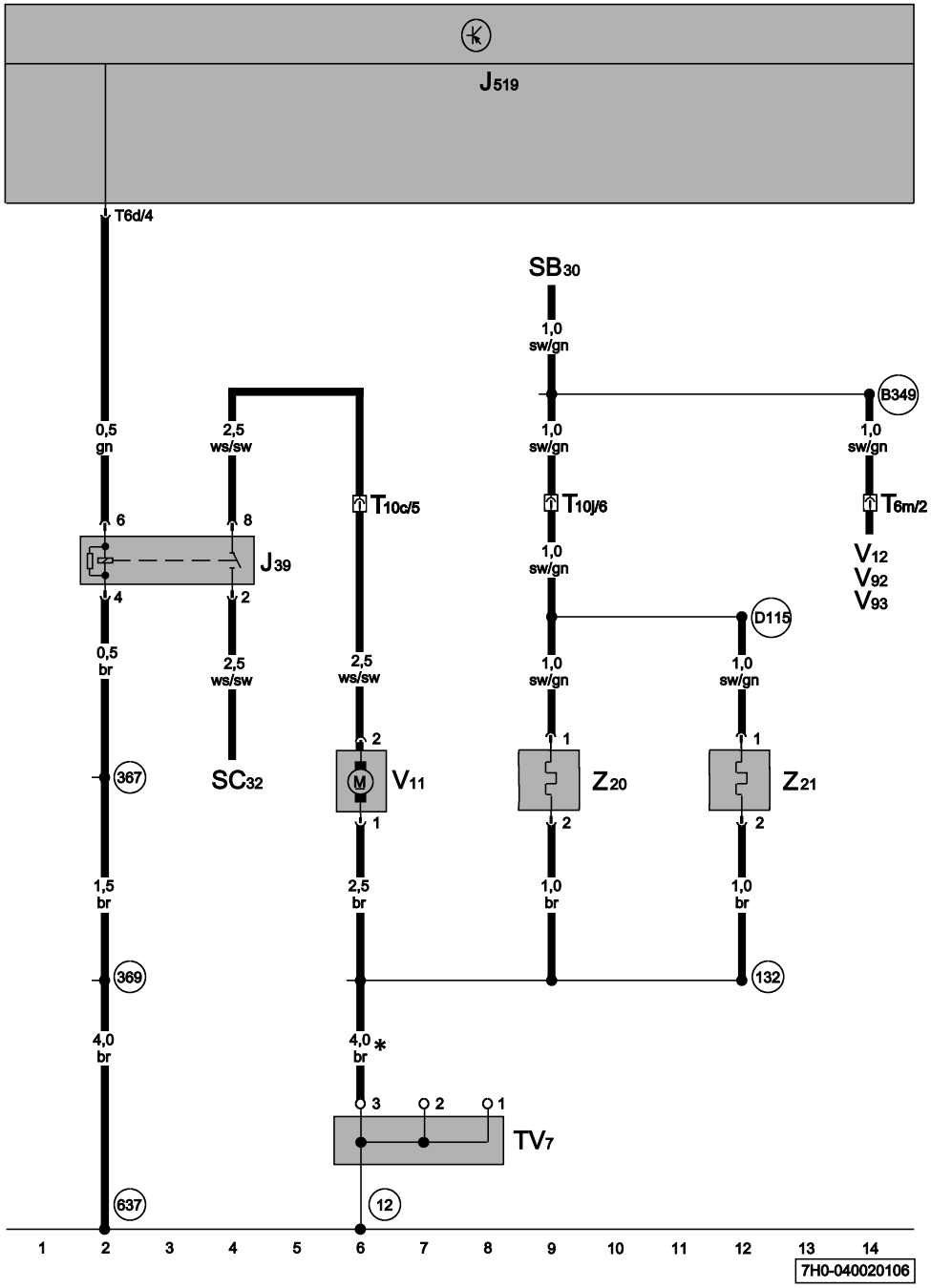
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, fuses, headlight washer system relay and pump, left and right washer jet heater element

J39	Headlight washer system relay
J519	Onboard supply control unit
SB30	Fuse 30 on fuse holder
SC32	Fuse 32 on fuse holder
T6d	6-pin connector, brown
T6m	6-pin connector, red, coupling station on left A-pillar
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
V11	Headlight washer system pump
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B349	Connection 2 (75A), in main wiring harness
D115	Connection 13, in engine compartment wiring harness
*	Cross-section 6.0 possible

Parking aid (PDC) (7X1/ 7X2)

from March 2003

Notes:

For information concerning

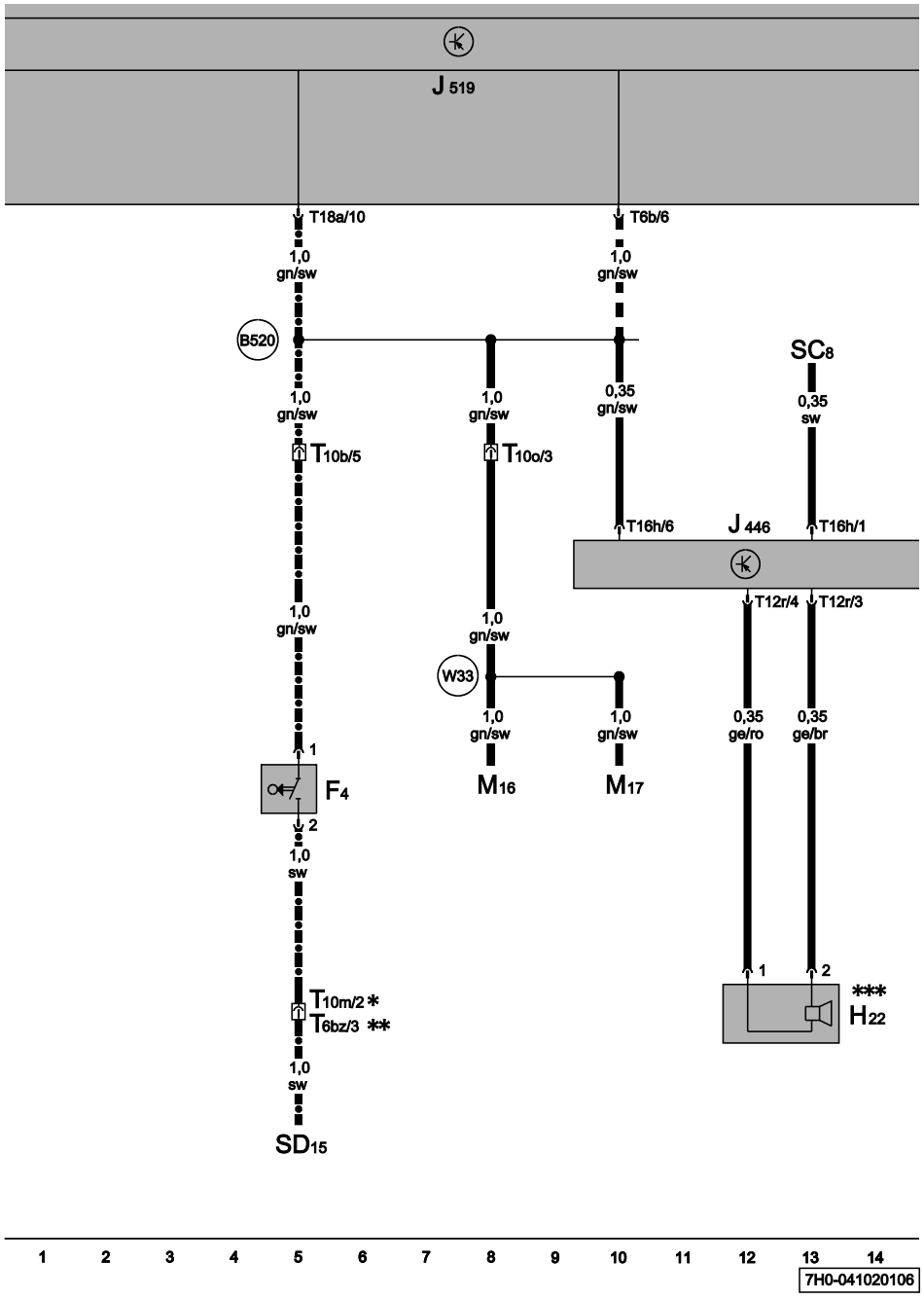
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



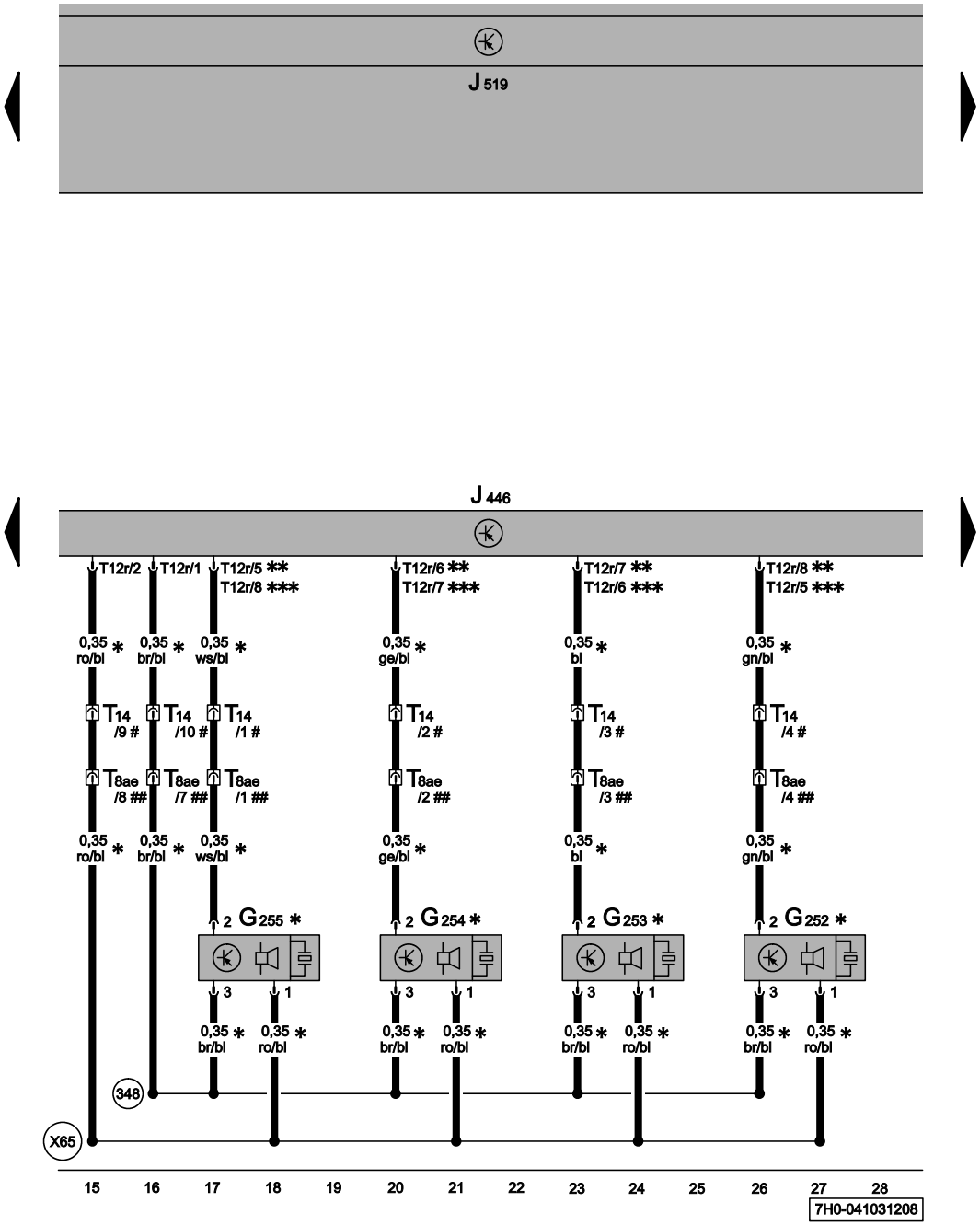
Onboard supply control unit, parking aid control unit, reversing light switch, front parking aid warning buzzer, fuses

F4	Reversing light switch
H22	Front parking aid warning buzzer
J446	Parking aid control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC8	Fuse 8 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12r	12-pin connector, brown, up to January 2004 black
T16h	16-pin connector, brown, up to January 2004 white
T18a	18-pin connector, brown
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	for models with parking aid front and rear only
<fo:exter	for models with manual gearbox only
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ws = white

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

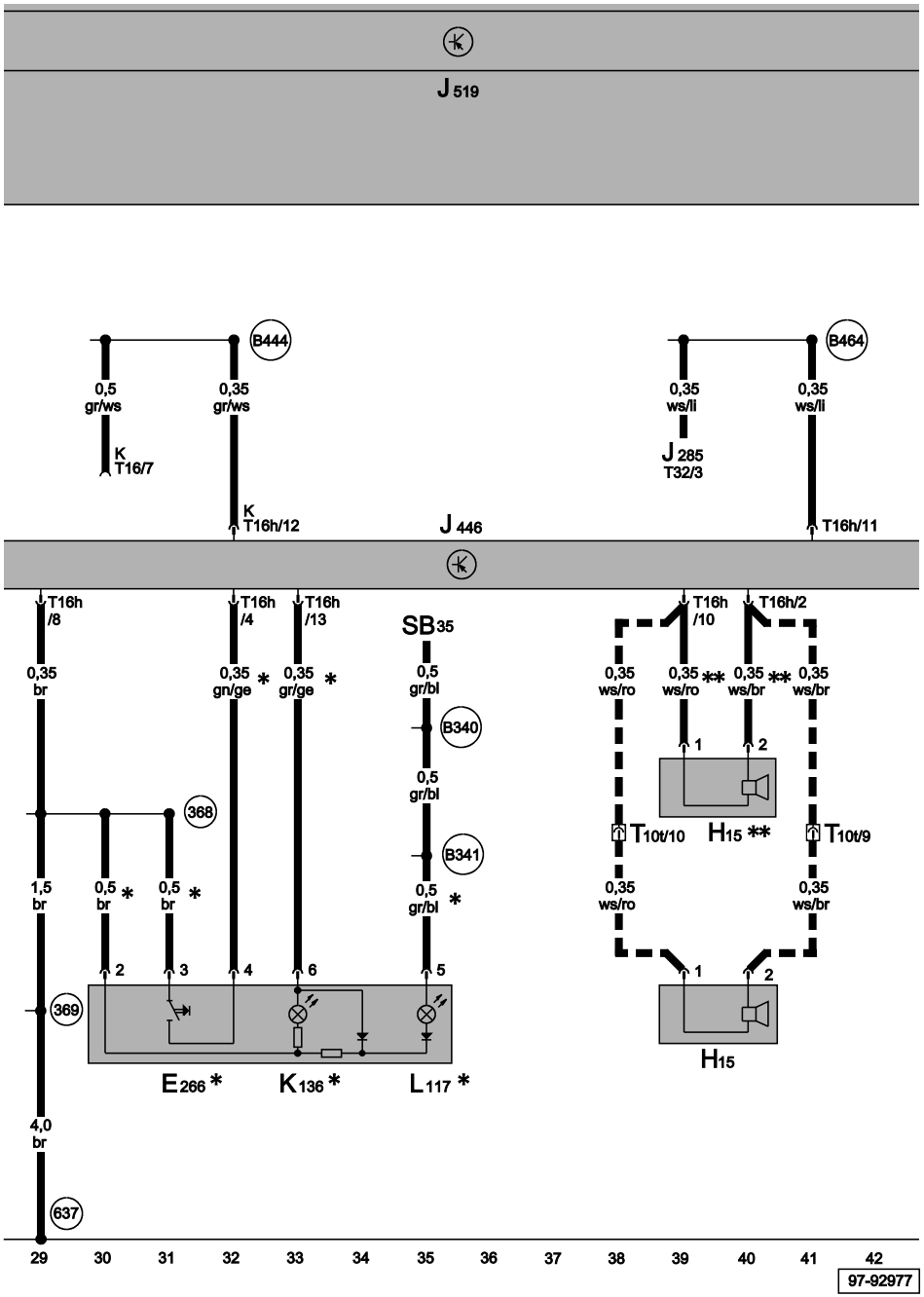
<fo:exter for models with automatic gearbox only
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tools/
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convert/
out//slp/
ft_icons/
m_m.png
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width="2
0pt"
scaling="
uniform"/
>



Parking aid control unit, front parking aid sender

G252	Front right parking aid sensor
G253	Front centre right parking aid sensor
G254	Front centre left parking aid sensor
G255	Front left parking aid sensor
J446	Parking aid control unit
J519	Onboard supply control unit
T8ae	8-pin connector, black, near headlight, front right
T12r	12-pin connector, brown, up to January 2004 black
T14	14-pin connector, near front right headlight
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
*	for models with parking aid front and rear only
**	applicable up to September 2003 and from June 2005
***	applicable from October 2003 up to May 2005
#	applicable up to December 2004
##	applicable from January 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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ge	=	yellow
or	=	orange
rs	=	pink

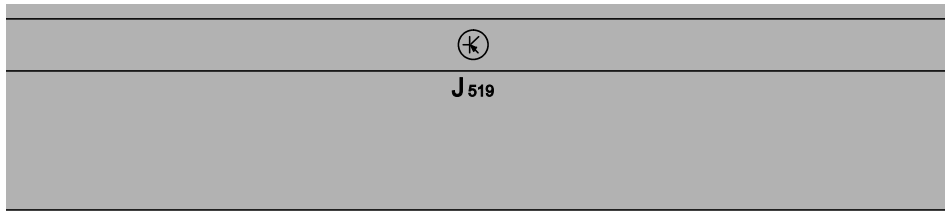


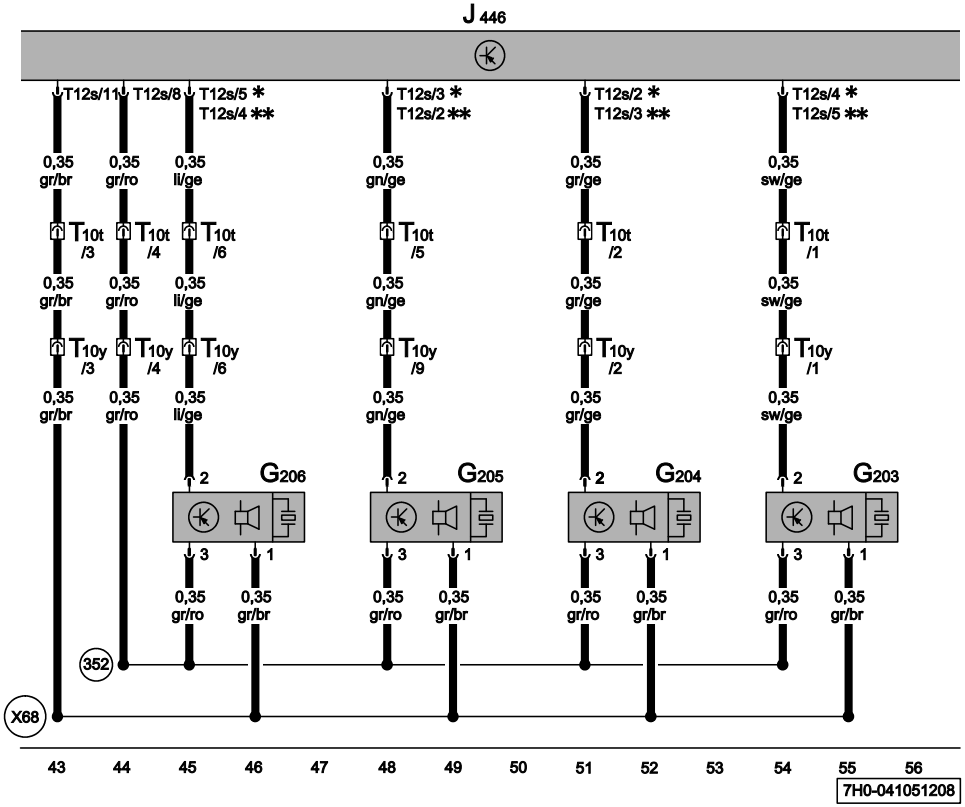
ws = white

Parking aid control unit, parking aid button, parking aid warning buzzer, self-diagnosis connection

E266	Parking aid button
H15	Rear parking aid warning buzzer
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
K136	Parking aid warning lamp
L117	Parking aid switch illumination bulb
SB35	Fuse 35 on fuse holder B
T10t	10-pin connector, black, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T16h	16-pin connector, brown, up to January 2004 white
T32	32-pin connector, blue
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with parking aid front and rear only
**	for models with basic equipment only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="	For multivan, camper and models with luxury/sport equipment only

sw	=	black	uniform"/
ro	=	red	>
br	=	brown	
gn	=	green	
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gr	=	grey	
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ge	=	yellow	
or	=	orange	
rs	=	pink	

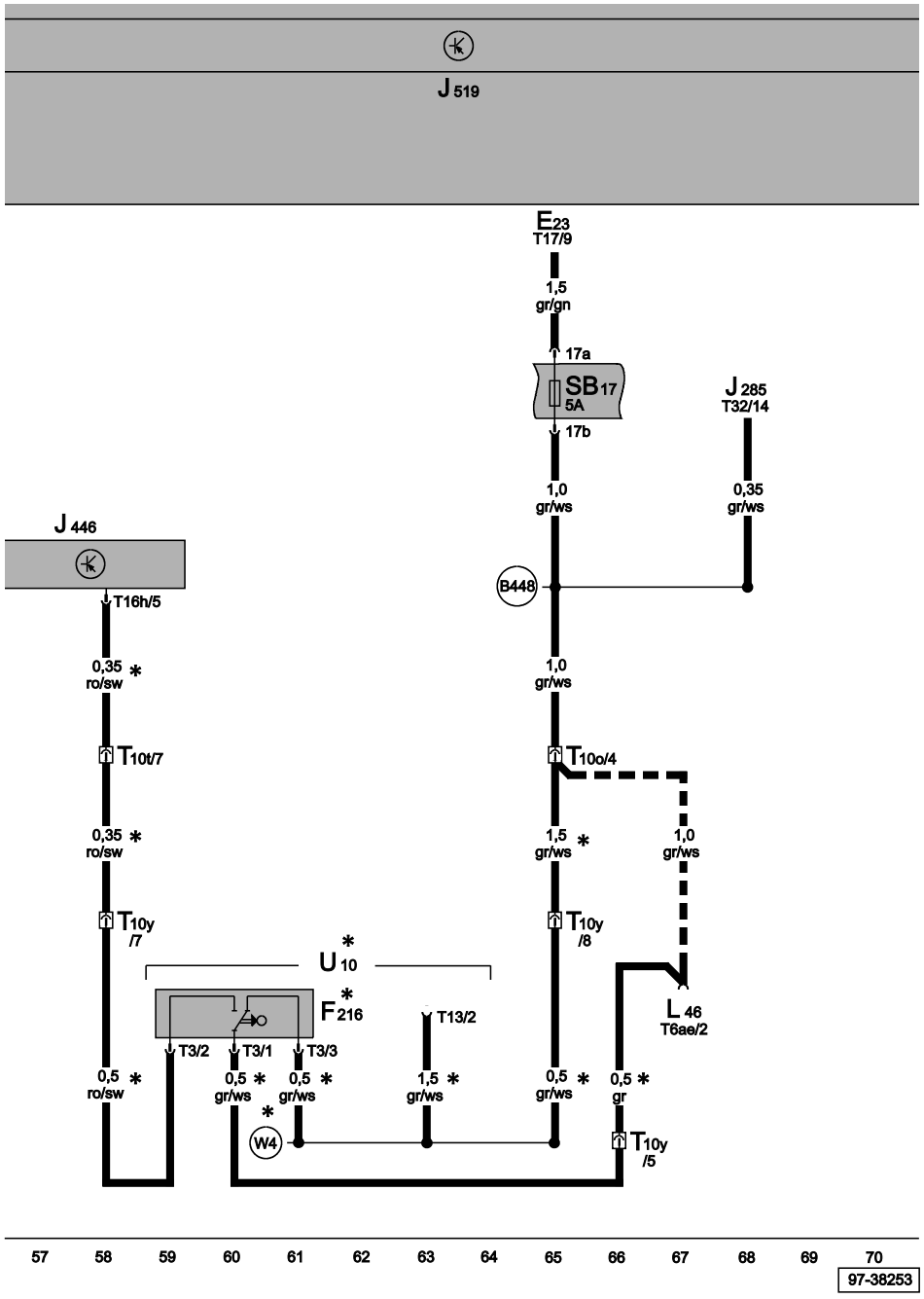




Parking aid control unit, rear parking aid sender

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T10t	10-pin connector, black, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T12s	12-pin connector, black, up to January 2004 white
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Connection (parking aid), in rear bumper wiring harness
*	applicable up to September 2003
**	applicable from October 2003

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Parking aid control unit, rear fog light cut-out contact switch, trailer socket, rear left fog light bulb

E23	Front and rear fog light switch
F216	Rear fog light cut-out contact switch
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
L46	Rear left fog light bulb
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown, up to January 2004 white
T17	17-pin connector
T32	32-pin connector, blue
U10	Trailer socket
B448	Connection (rear fog light), in main wiring harness
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models with trailer operation only
<fo:exter	for models without trailer operation only
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Fuse concept 1

⇒ **Fuses SA**

from March 2003

Notes:

For information concerning

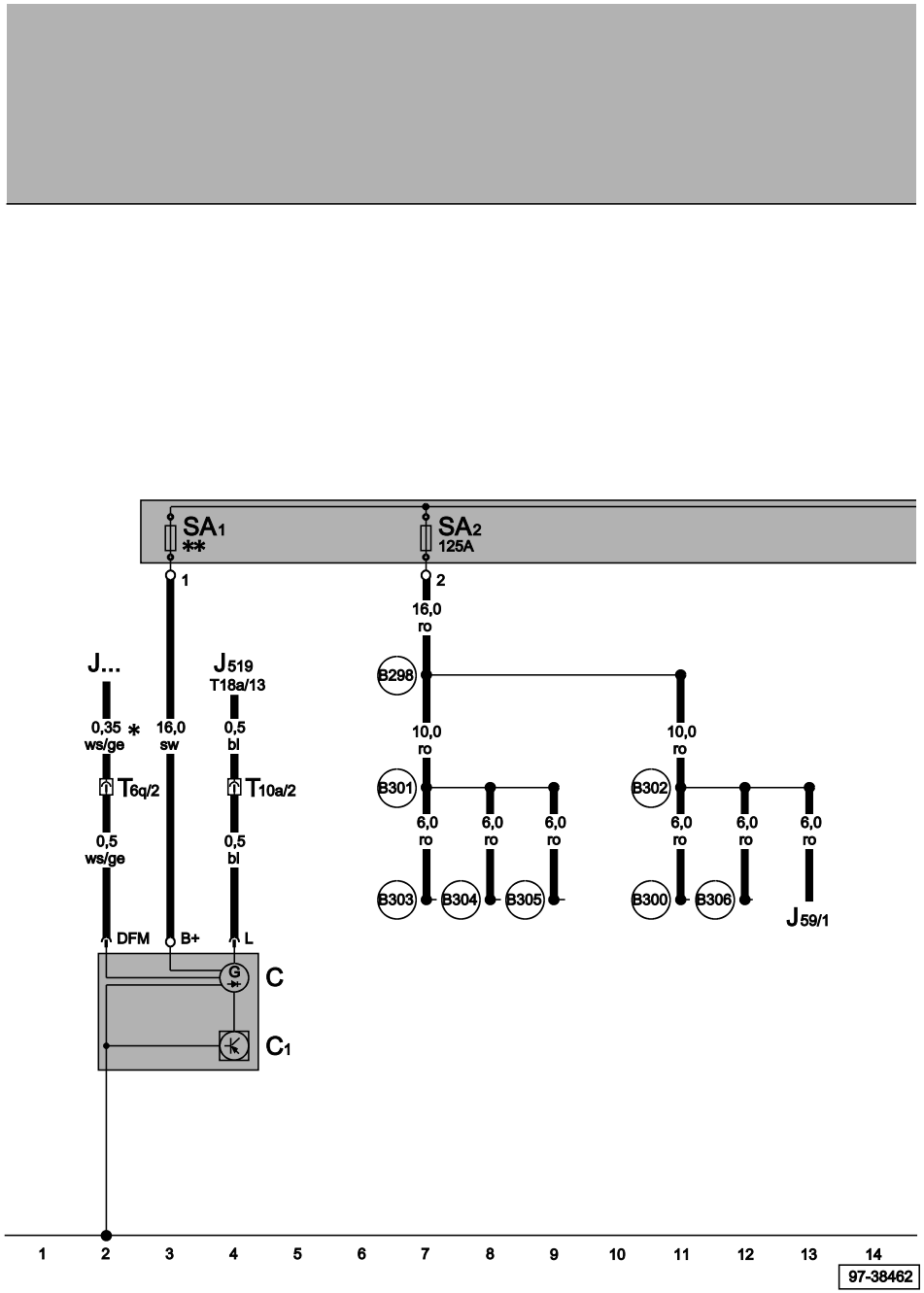
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

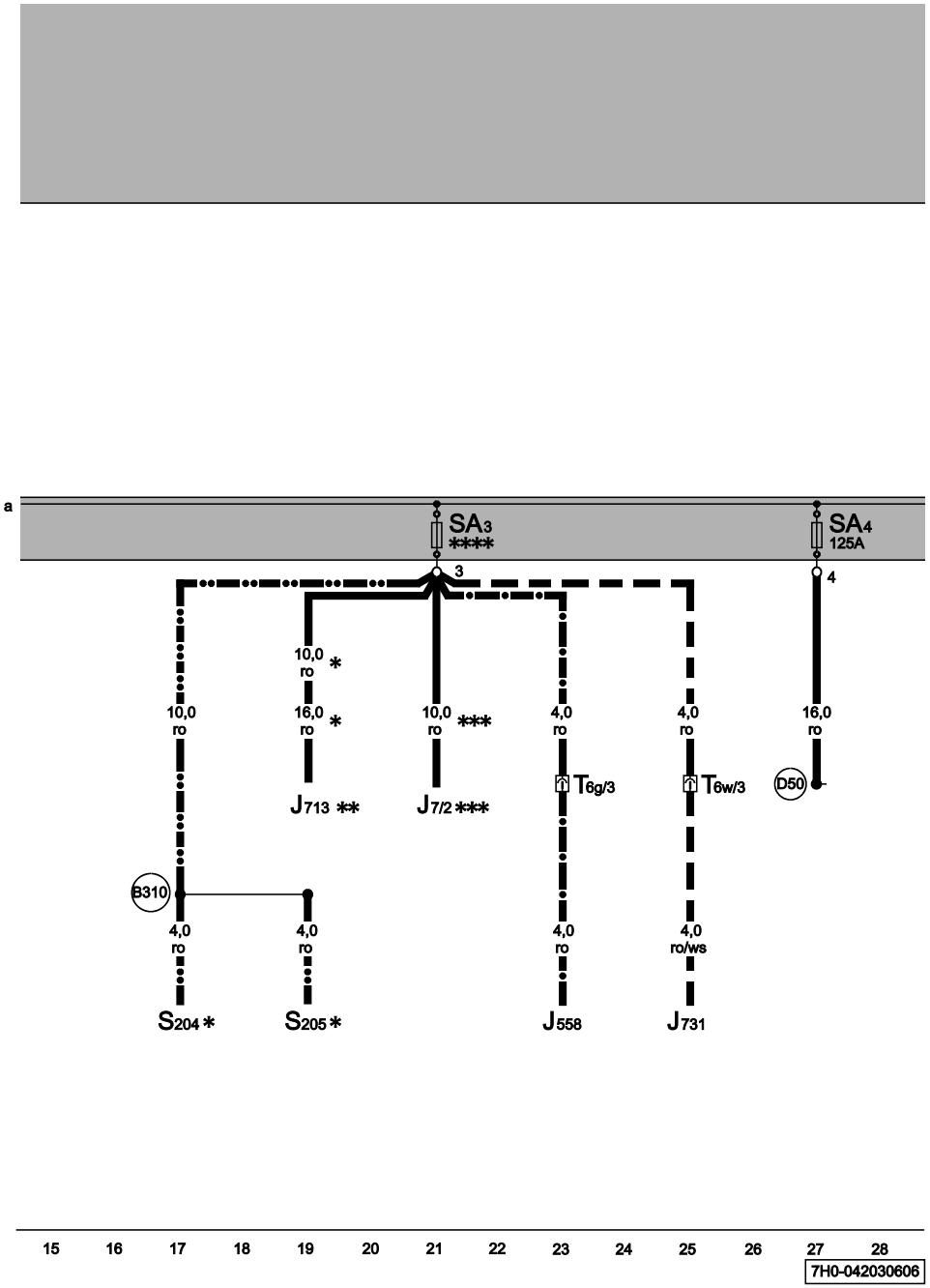
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses on fuse holder/battery

C	Alternator
C1	Voltage regulator
J...	Engine control units
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder/battery
SA2	Fuse 2 on fuse holder/battery
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B298	Positive connection -2- (30), in main wiring harness
B300	Positive connection -4- (30), in main wiring harness
B301	Positive connection -5- (30), in main wiring harness
B302	Positive connection -6- (30), in main wiring harness
B303	Positive connection -7- (30), in main wiring harness
B304	Positive connection -8- (30), in main wiring harness
B305	Positive connection -9- (30), in main wiring harness
B306	Positive connection -10- (30), in main wiring harness
*	⇒ CFD for engine
**	⇒ Fitting locations



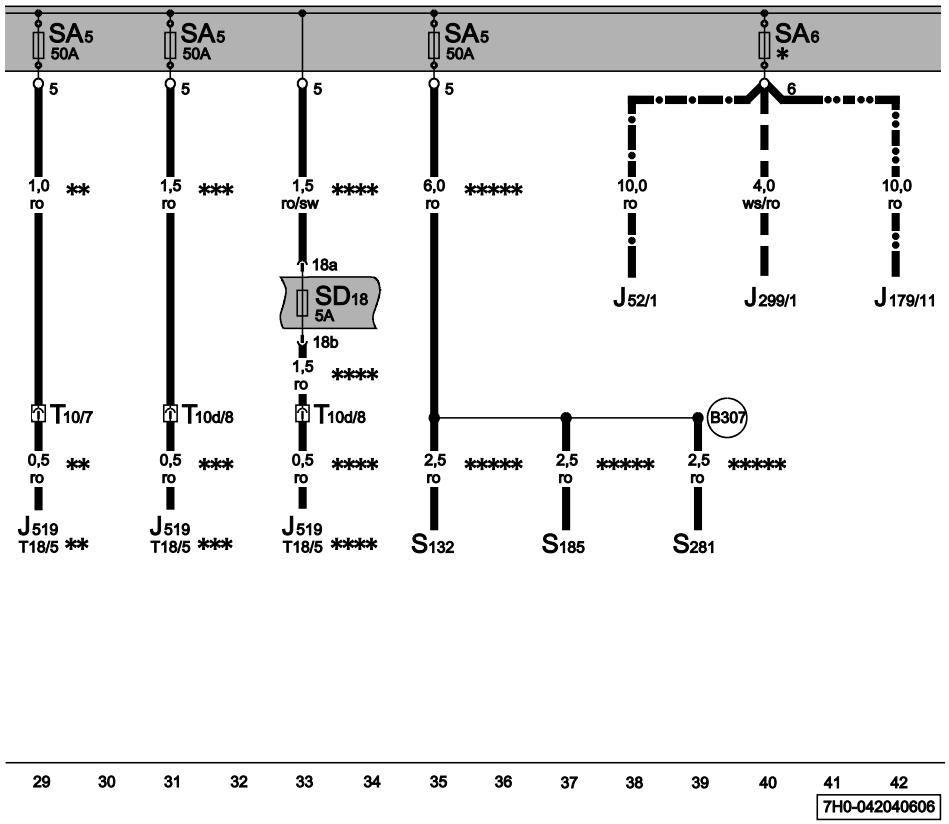
Fuses on fuse holder/battery

J7	Battery isolation relay
J558	Left sliding door control unit
J713	Second battery charging circuit relay
J731	Right sliding door control unit
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder/battery
SA4	Fuse 4 on fuse holder/battery
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
*	depends on equipment
**	for models with battery for special vehicles only
***	for models without battery for special vehicles only
****	⇒ Fitting locations
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with right sliding door without second battery only, ⇒ CFD for sliding door
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.p	for models with left sliding door without second battery only, CFD for sliding door

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nal- battery only, ⇒ CFD for sliding door
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bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink



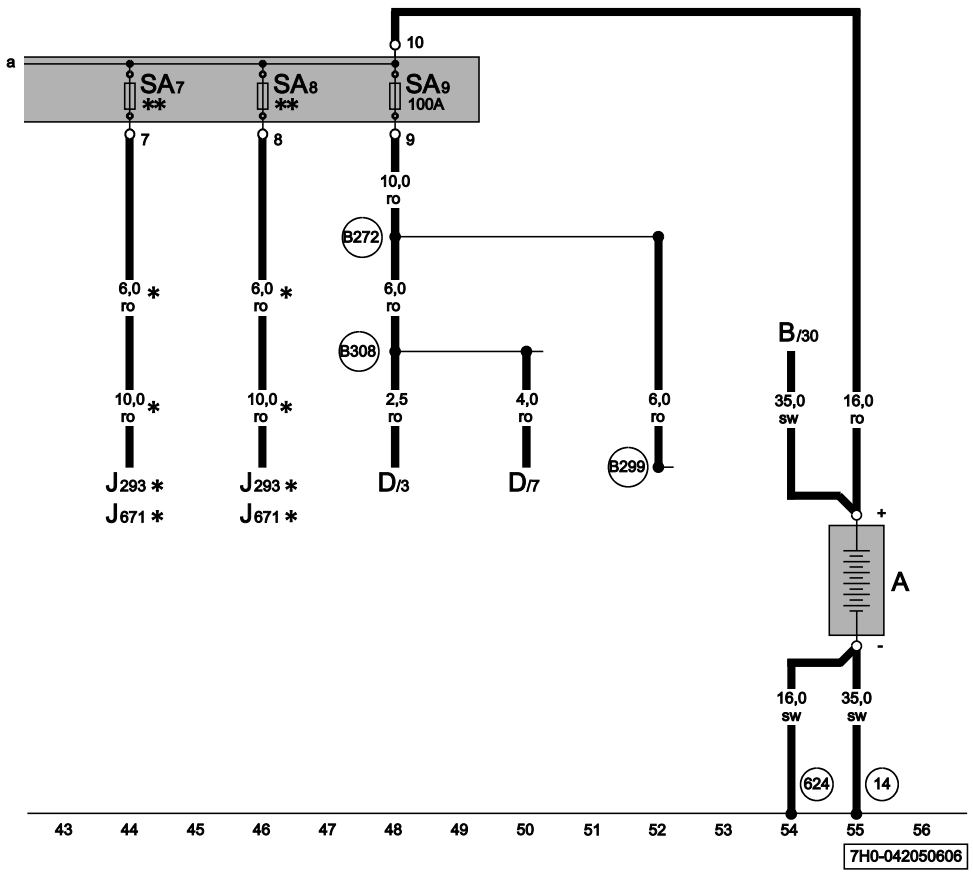
ws = white

Fuses on fuse holder/battery

J52	Glow plug relay
J179	Automatic glow period control unit
J299	Secondary air pump relay
J519	Onboard supply control unit
S132	Fuse 2
S185	Electric socket 2 fuse
S281	Electric socket 3 fuse
SA5	Fuse 5 on fuse holder/battery
SA6	Fuse 6 on fuse holder/battery
SD18	Fuse 18 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B307	Positive connection 11 (30), in main wiring harness
*	⇒ Fitting locations
**	applicable up to May 2003
***	applicable from June 2003 up to January 2004
****	applicable from February 2004 up to May 2004
****	applicable from June 2004, up to December 2004, for models without second battery only
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<fo:external-graphic src="../PDOC/samba/tools/png-	for models with engine codes AXA, BDL, BDM, BKK only

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bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink



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Battery, fuses on fuse holder/battery

A	Battery
B	Starter
D	Ignition/starter switch
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA7	Fuse 7 on fuse holder/battery
SA8	Fuse 8 on fuse holder/battery
SA9	Fuse 9 on fuse holder/battery
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B299	Positive connection -3- (30), in main wiring harness
B308	Positive connection -12- (30), in main wiring harness
*	⇒ radiator fan Current Flow Diagram
**	⇒ Fitting locations

Automatic anti-dazzle interior mirror

⇒ **Rain sensor**

From March 2003

Notes!

Information concerning

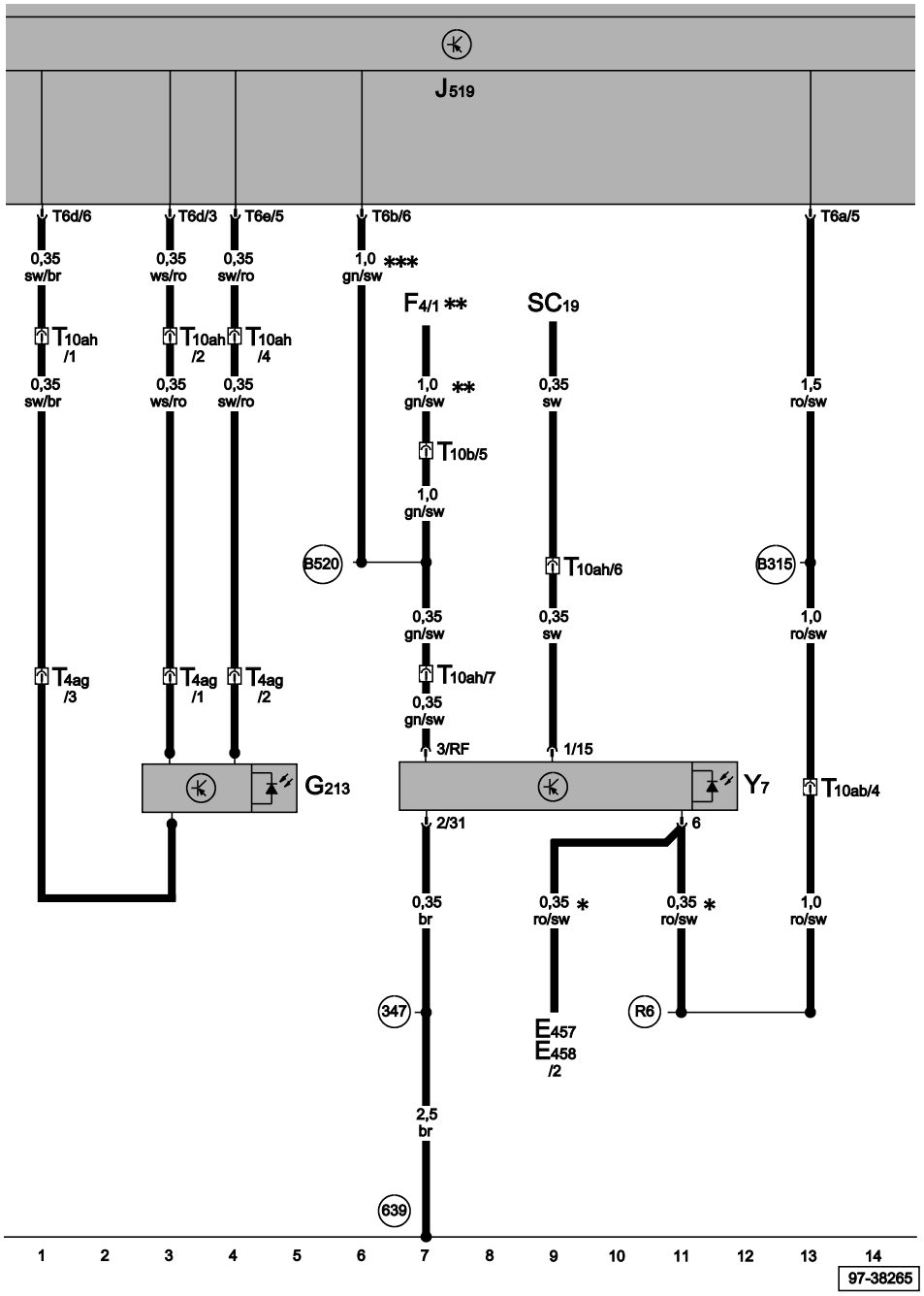
- Relay locations and fuse assignment
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ Fitting locations overview!

Information concerning

- Fault finding programs

⇒ Guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
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Automatic anti-dazzle interior mirror, rain sensor

E457	Driver reading light button
E458	Front passenger reading light button
F4	Reversing light switch
G213	Rain sensor
J519	Onboard supply control unit
SC19	Fuse 19 on fuse holder
T4ag	4-pin connector, black, near rain sensor
T6a	6-pin connector, brown
T6b	6-pin connector, red
T6d	6-pin connector, brown
T6e	6-pin connector, red
T10b	10-pin connector, red, E-box coupling station in engine compartment
T10ab	10-pin connector, white, left A-pillar coupling station
T10ah	10-pin connector, lilac, left A-pillar coupling station
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B315	Positive connection -1- (30a), in main wiring harness
B520	Positive connection (RL), in main wiring harness
R6	Positive connection -1-, in interior light wiring harness
*	Dependant on equipment level
**	Applies only to models with a manual gearbox
***	Applies only to models with an automatic gearbox, signal output

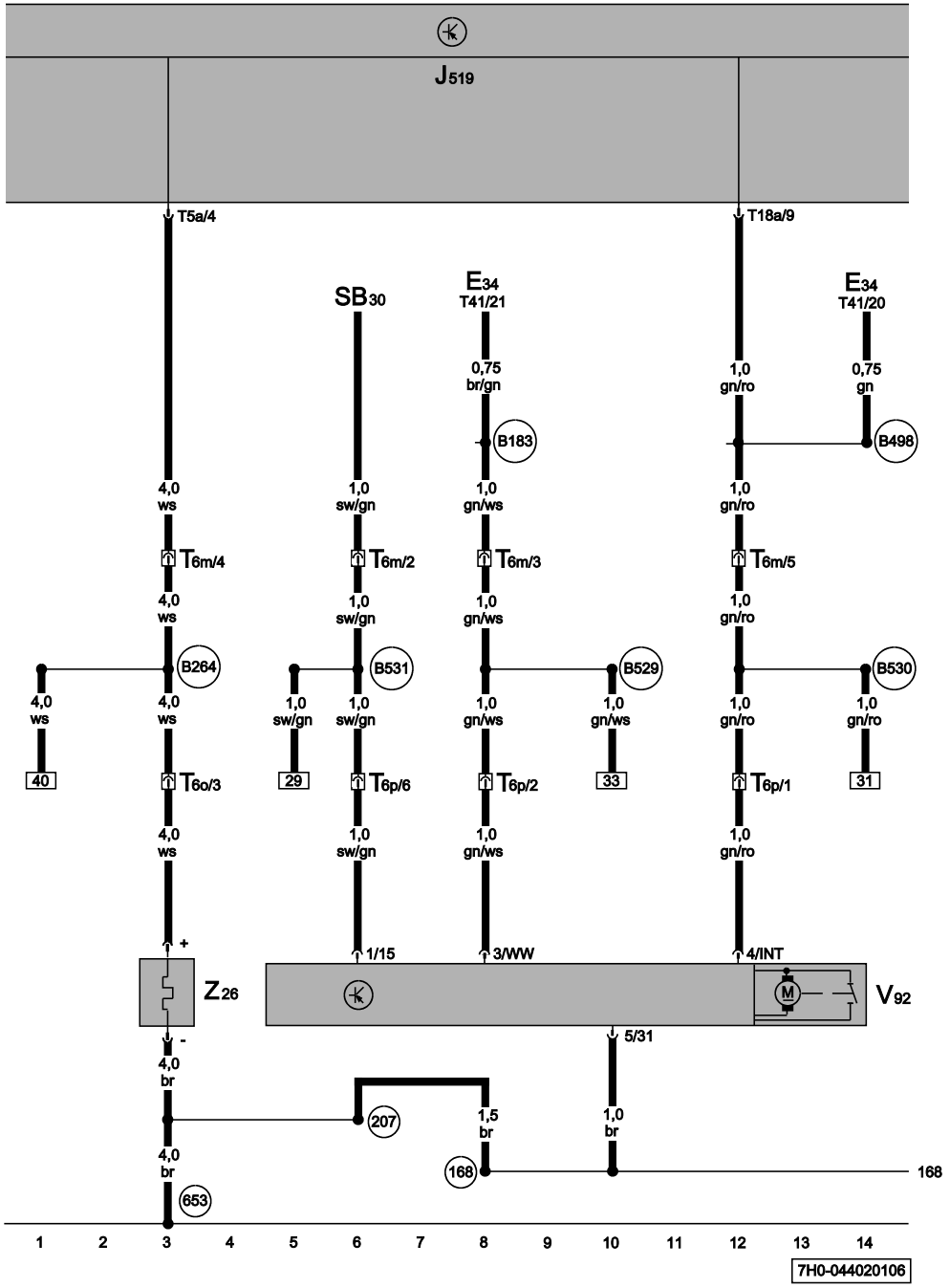
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

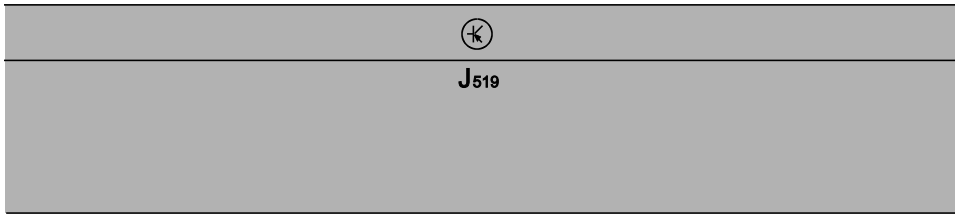
⇒ guided fault finding

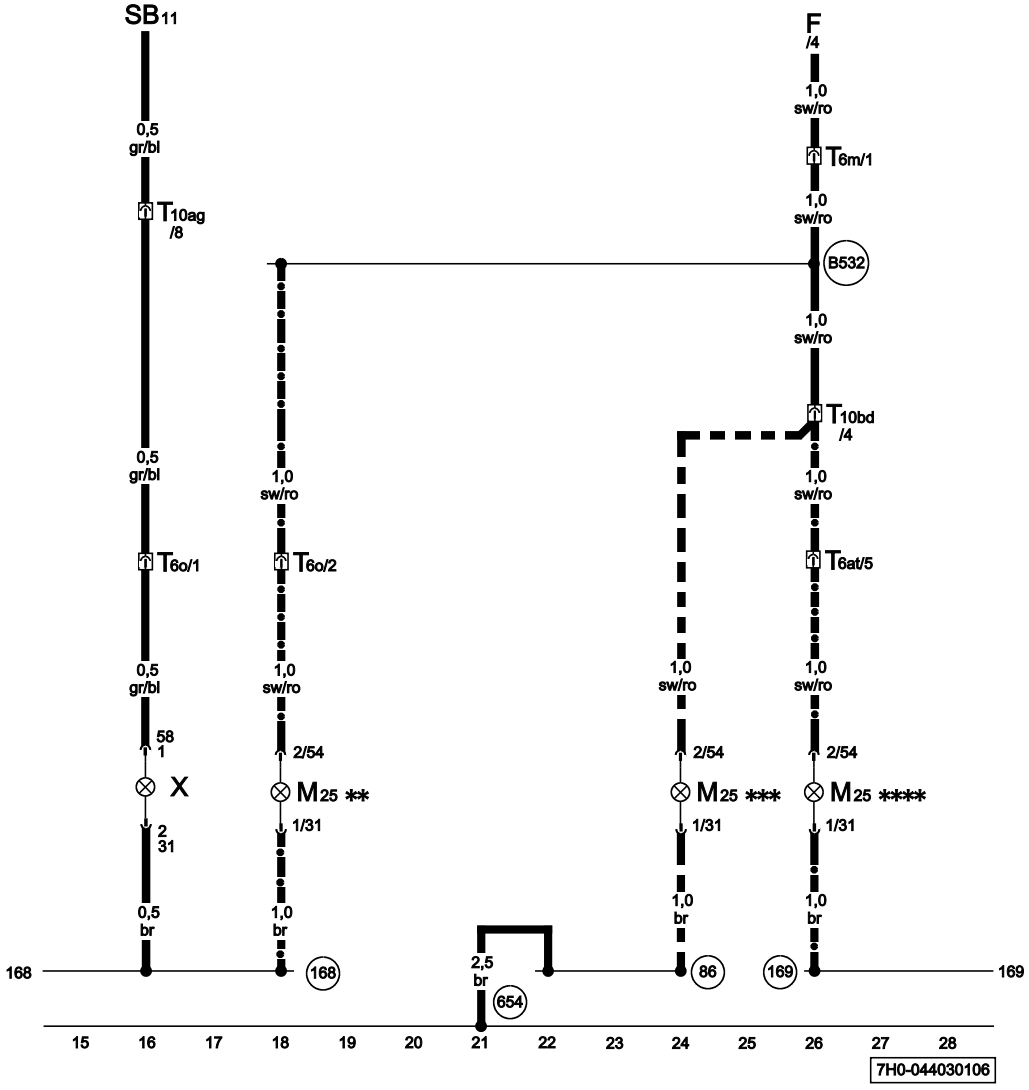


ws = white
sw = black
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Rear left wing door window wiper motor, left wing door heated rear window

E34	Rear wiper switch
J519	Onboard supply control unit
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B264	Connection 1, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B529	Connection (window washer pump), in roof wiring harness
B530	Connection (53c), in roof wiring harness
B531	Positive connection (75), in roof wiring harness





ws = white

High level brake light bulb, number plate light

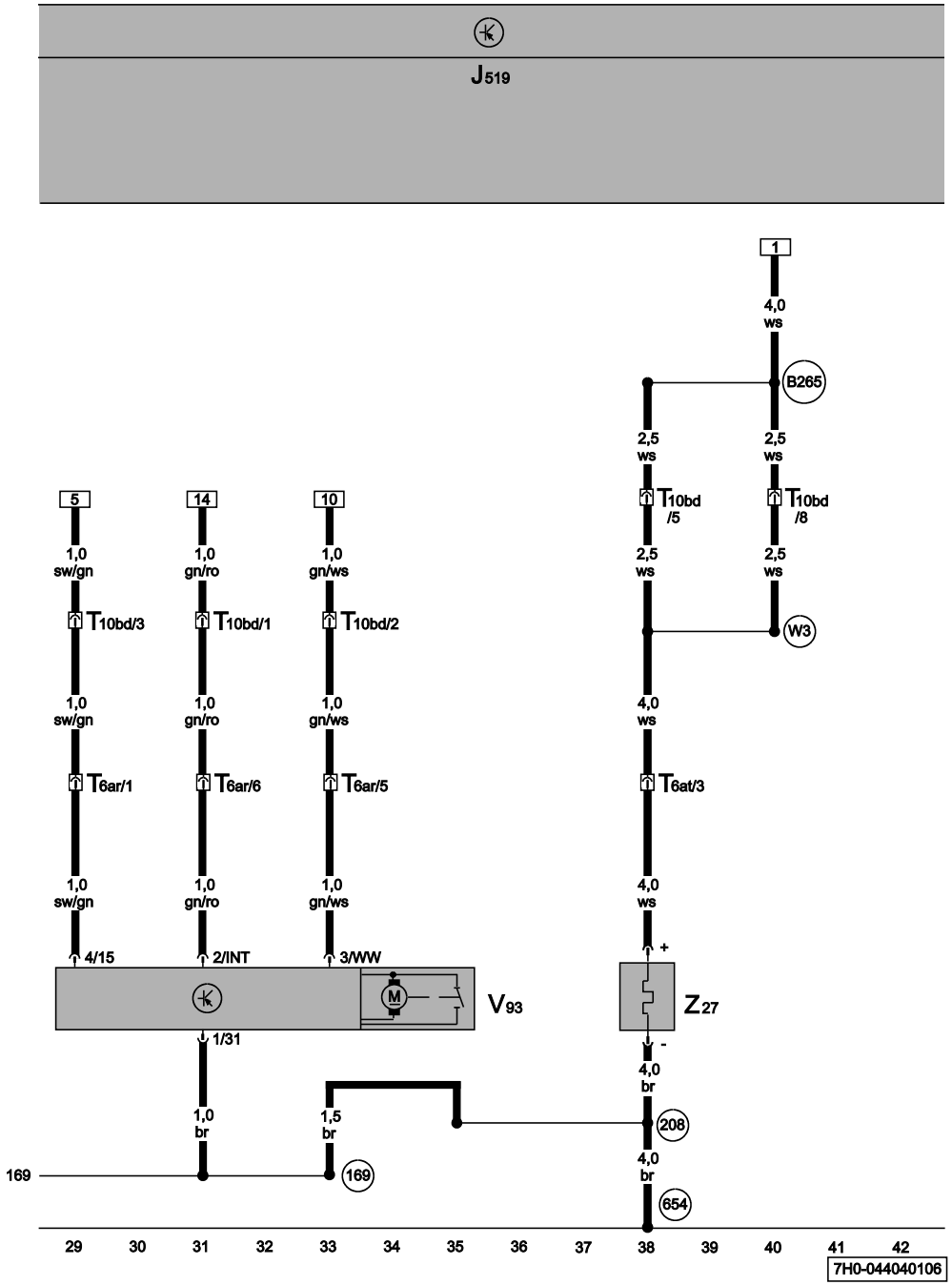
F	Brake light switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
X	Number plate light
86	Earth connection 1, in rear wiring harness
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B532	Connection (54), in roof wiring harness

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li	=	purple
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**	left wing door
***	in high roof
****	right wing door



Rear right wing door window wiper motor, right wing door heated rear window

J519	Onboard supply control unit
T6ar	6-pin connector, red, coupling station on right of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
V93	Rear right wing door window wiper motor
Z27	Right wing door heated rear window
169	Earth connection, in rear right wing door wiring harness
208	Earth connection, in rear right door wiring harness
654	Earth point, right D-pillar
B265	Connection 2, in roof wiring harness
W3	Connection, in rear wiring harness

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Multifunction steering wheel

from March 2003

Notes:

For information concerning

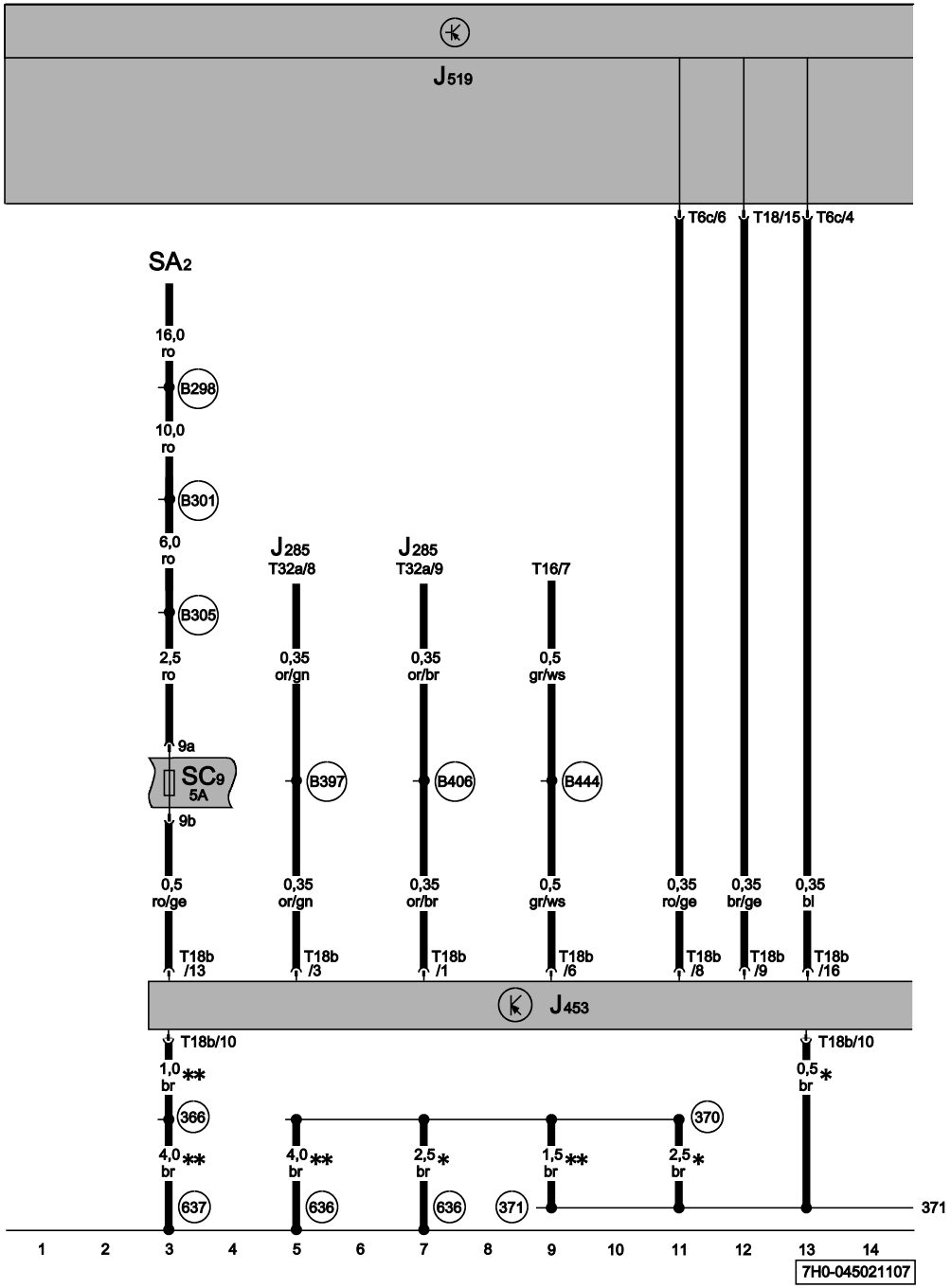
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

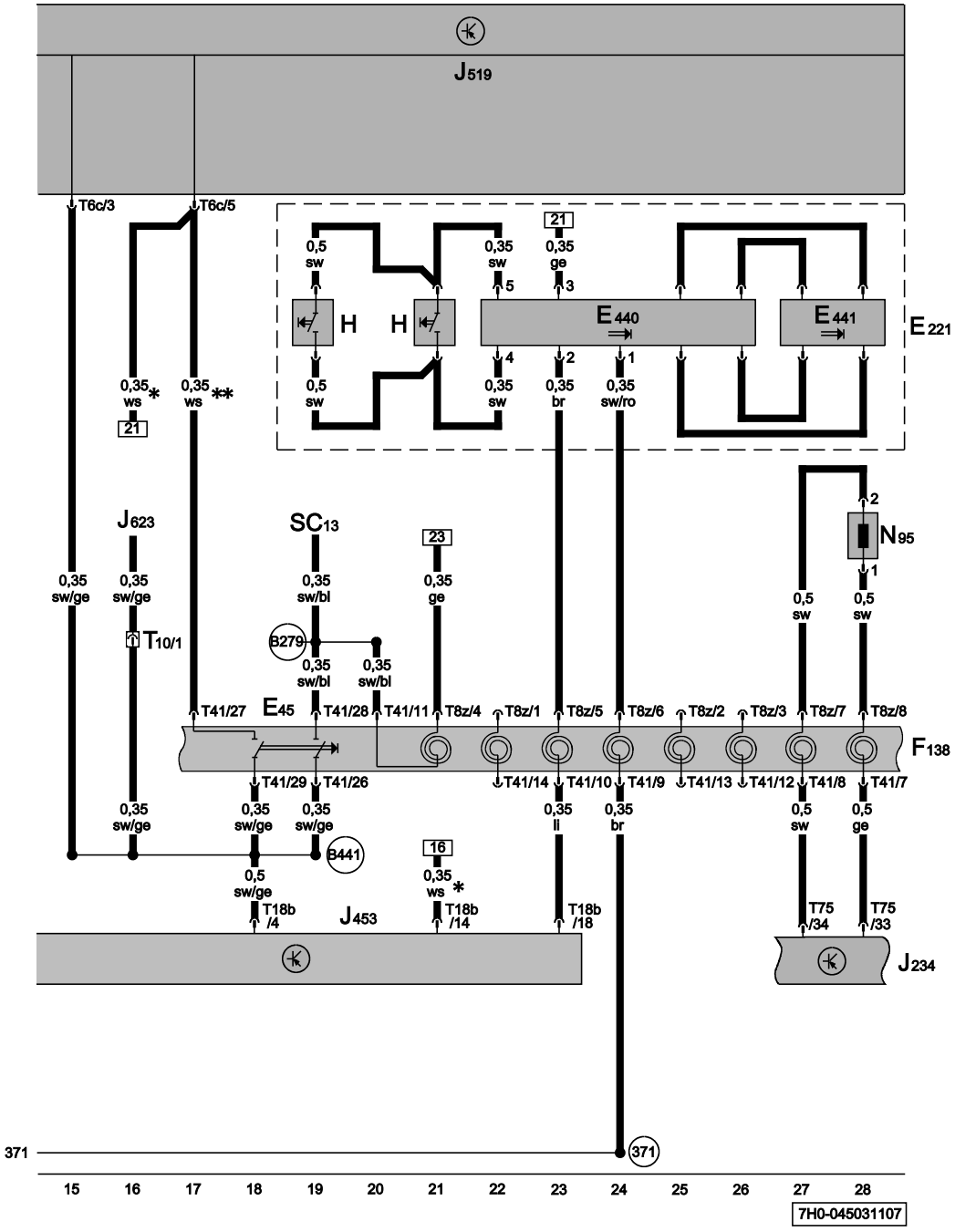
⇒ guided fault finding



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Onboard supply control unit, multifunction steering wheel control unit

J285	Control unit in dash panel insert
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC9	Fuse 9 on fuse holder C
T6c	6-pin connector, black
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18b	18-pin connector, black
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
637	Earth point, airbag control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003



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Onboard supply control unit, multifunction steering wheel control unit, operating unit in steering wheel

E45	Cruise control system switch
E221	Operating unit in steering wheel
E440	Multifunction buttons on left in steering wheel
E441	Multifunction buttons on right in steering wheel
F138	Airbag coil connector and return spring with slip ring
H	Horn plate
J234	Airbag control unit
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
J623	Engine control unit
N95	Driver side airbag igniter
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T8z	8-connector, yellow, in steering wheel
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18b	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B441	Connection (CCS), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	for models with operating unit in steering wheel for radio CCS and telephone only

Second battery, not for camper

from March 2003

Notes:

For information concerning

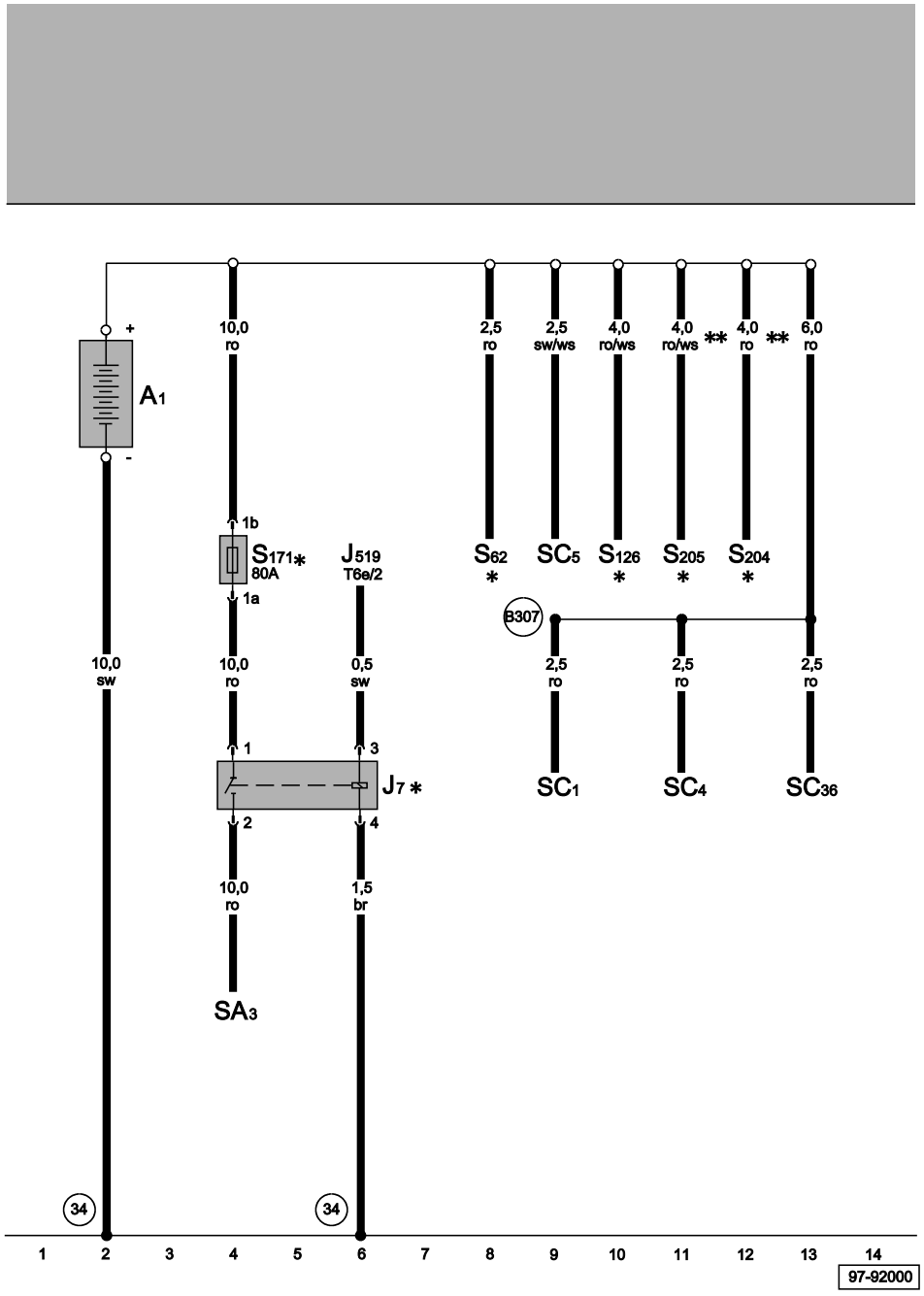
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Second battery, battery isolation relay, battery isolation relay fuse

A1	Second battery
J7	Battery isolation relay
J519	Onboard supply control unit
S62	Auxiliary heater fuse
S126	Auxiliary heater fuse
S171	Battery isolation relay fuse
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
SC1	Fuse 1 on fuse holder C
SC4	Fuse 4 on fuse holder C
SC5	Fuse 5 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6e	6-pin connector, red
34	Earth point, under driver seat
B307	Positive connection 11 (30), in main wiring harness
*	On left in seat box
**	for models with sliding door only, ⇒ CFD for sliding door

ws	=	white
sw	=	black
ro	=	red
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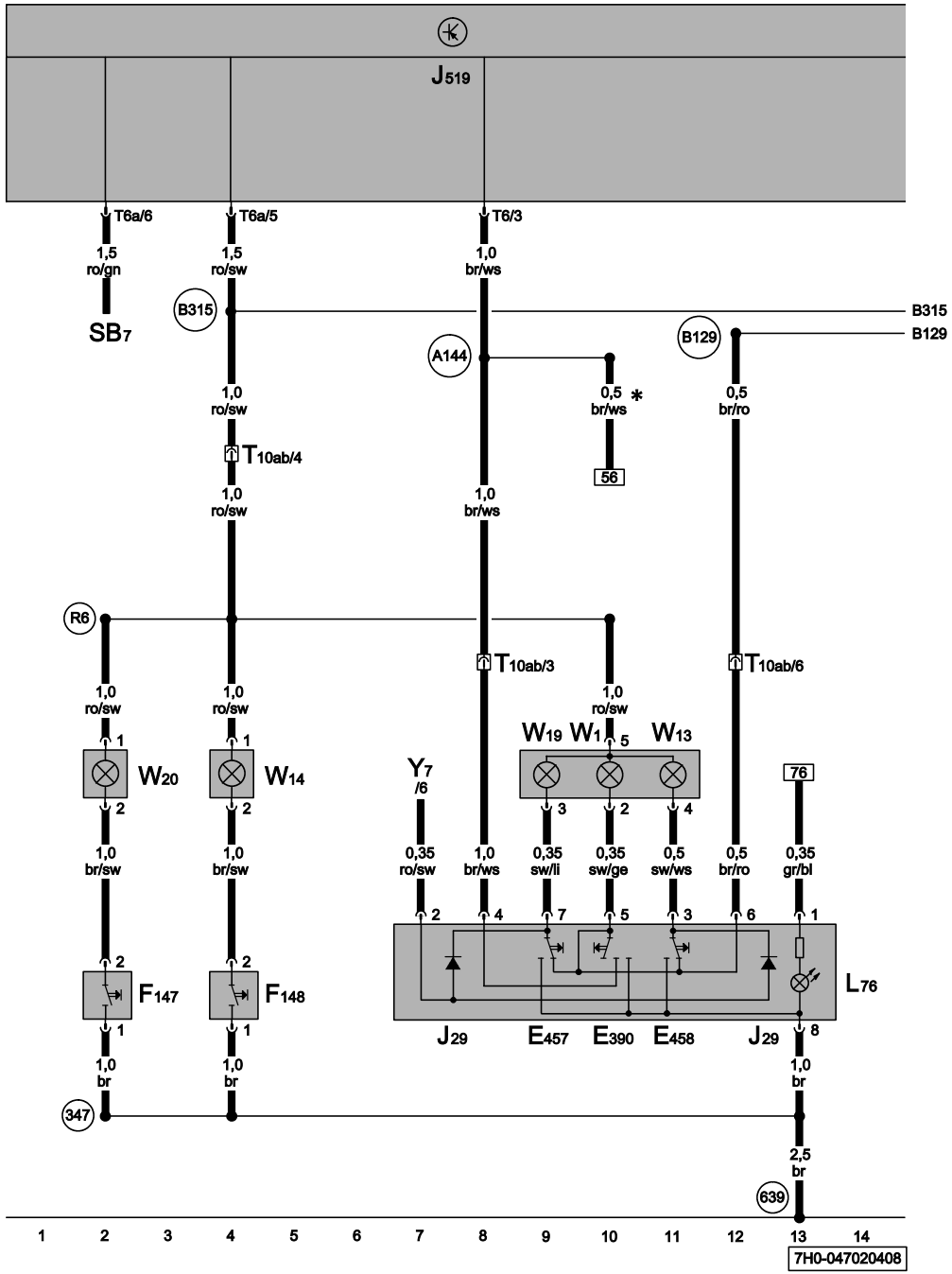
Interior lighting multivan and camper

⇒ **Illuminated vanity mirror**
⇒ **Luggage compartment light**
⇒ **Step illumination**
from October 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

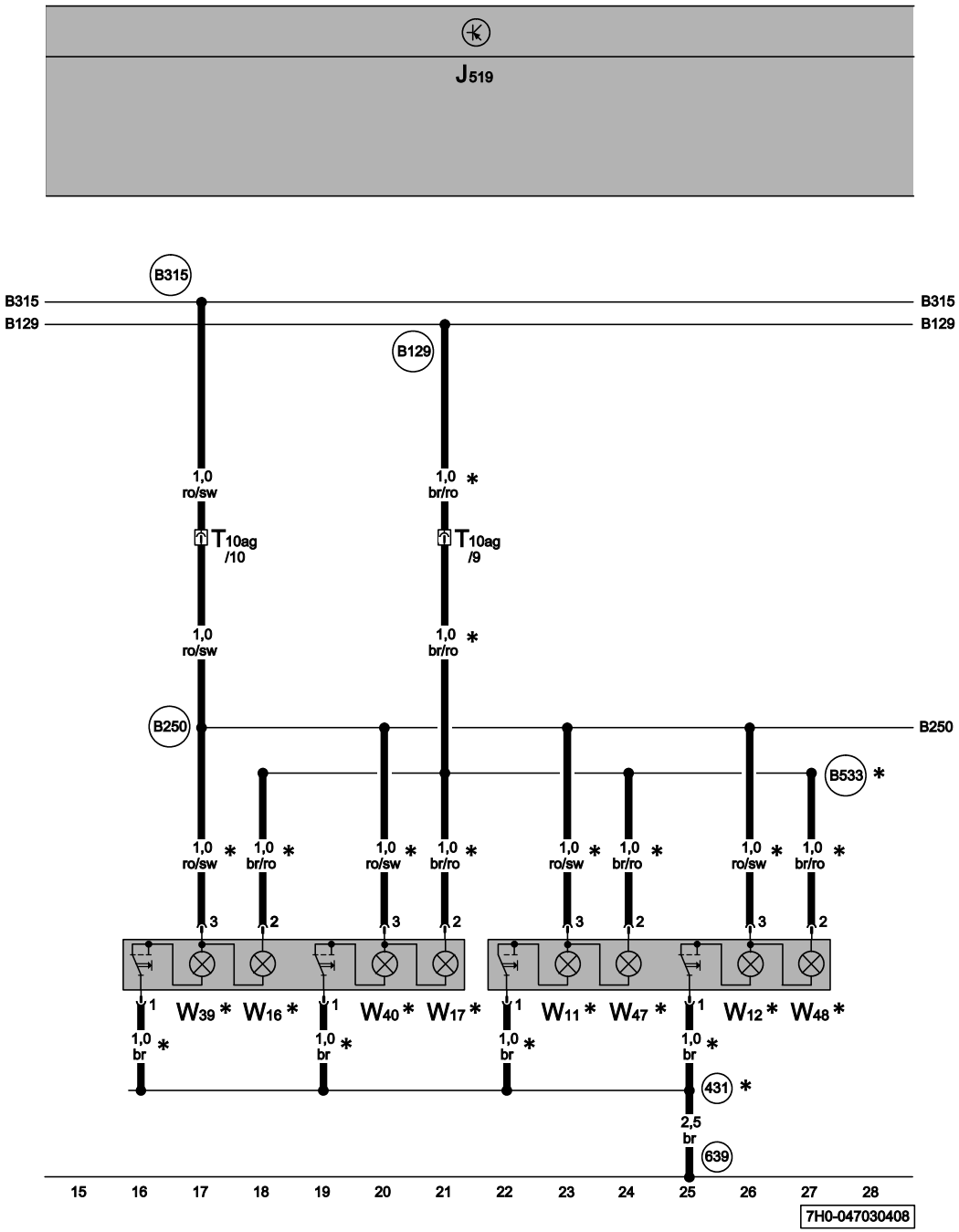
⇒ guided fault finding



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rs = pink

Front interior light, illuminated vanity mirror, driver and front passenger side reading lights

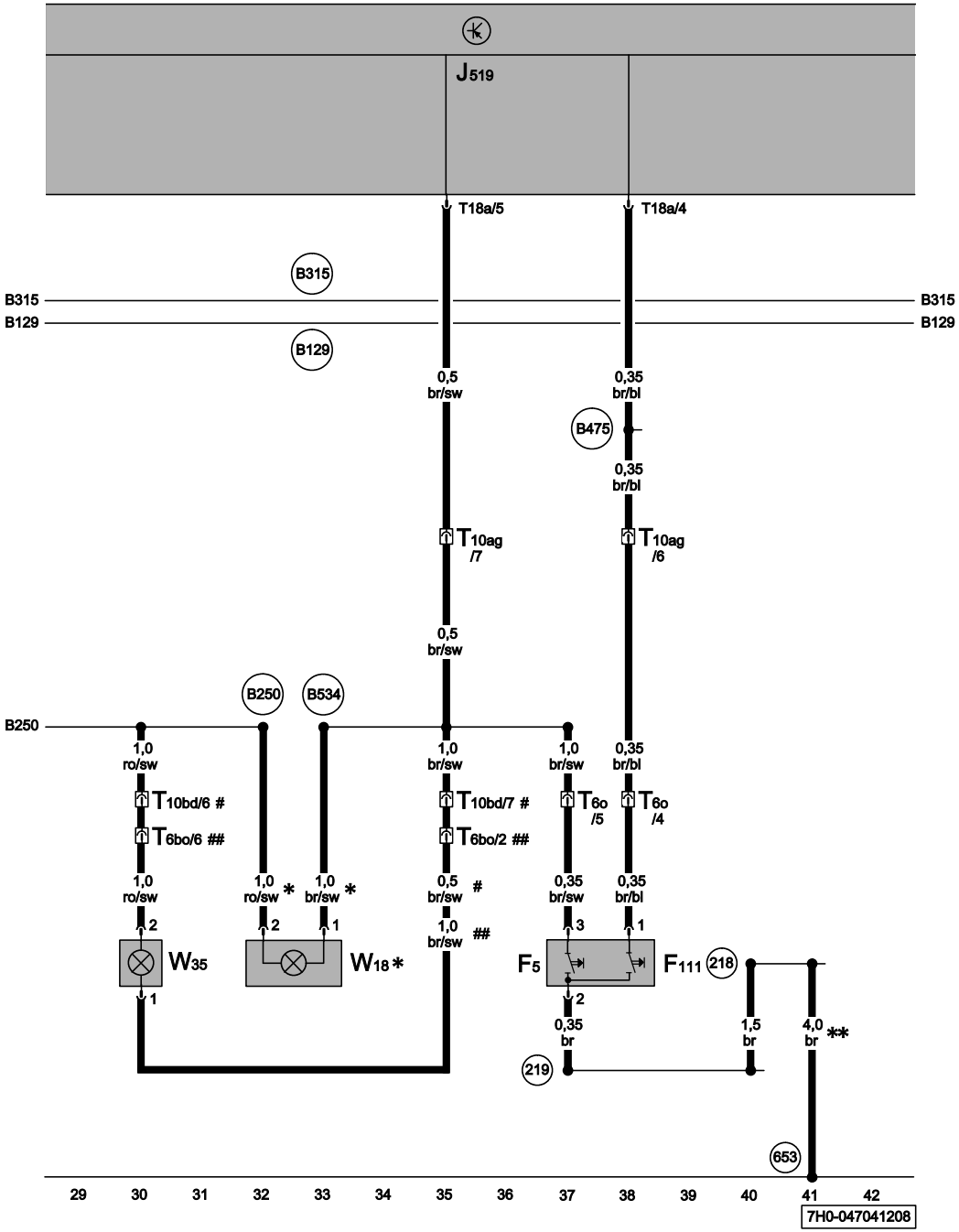
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
SB7	Fuse 7 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W14	Front passenger side illuminated vanity mirror
W19	Driver side reading light
W20	Driver side illuminated vanity mirror
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ



Rear interior lights, centre and rear reading lights

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W39	Left centre reading light
W40	Right centre reading light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	For Multivan only

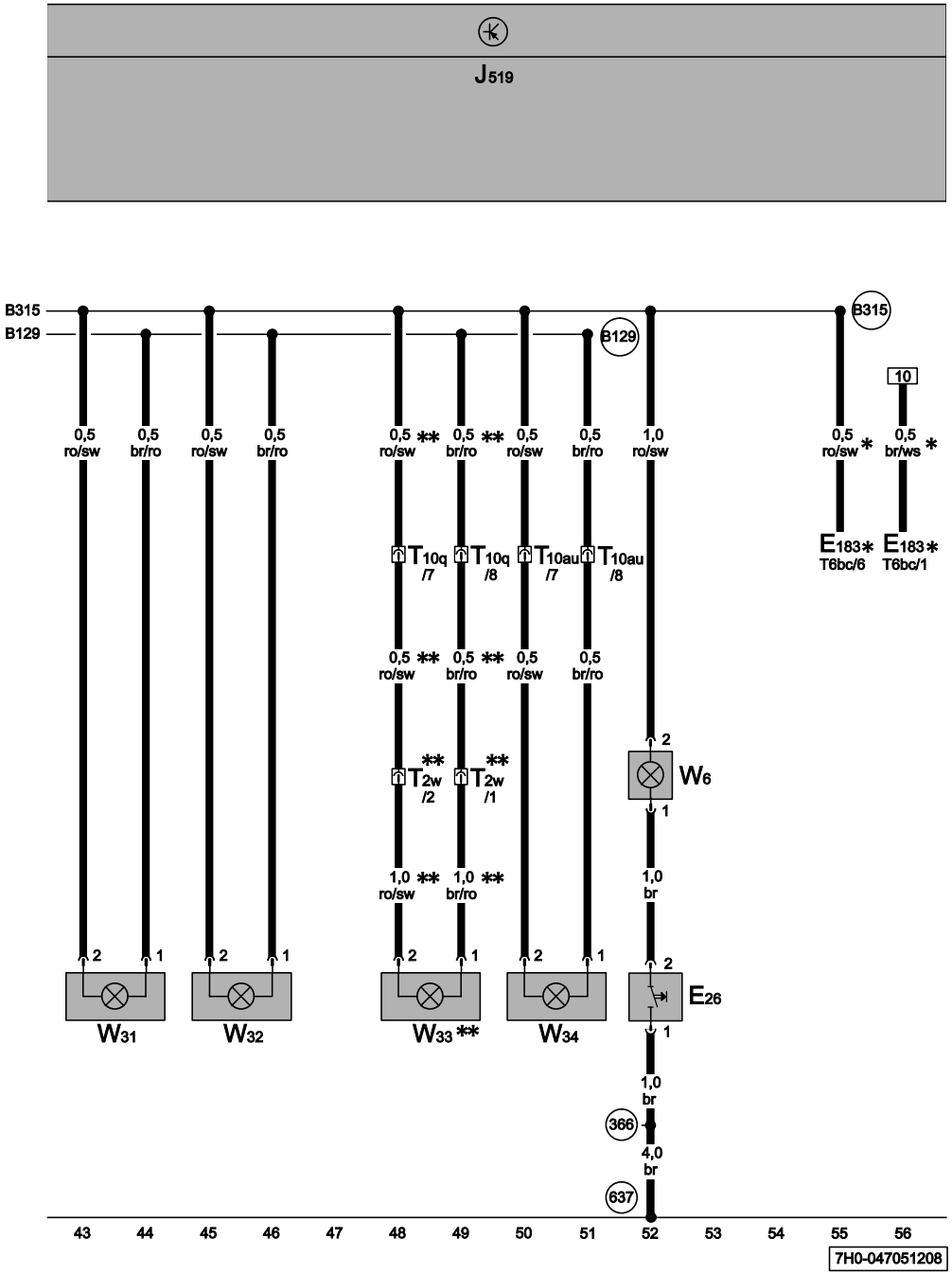
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Luggage compartment light switch, luggage compartment light on left and right

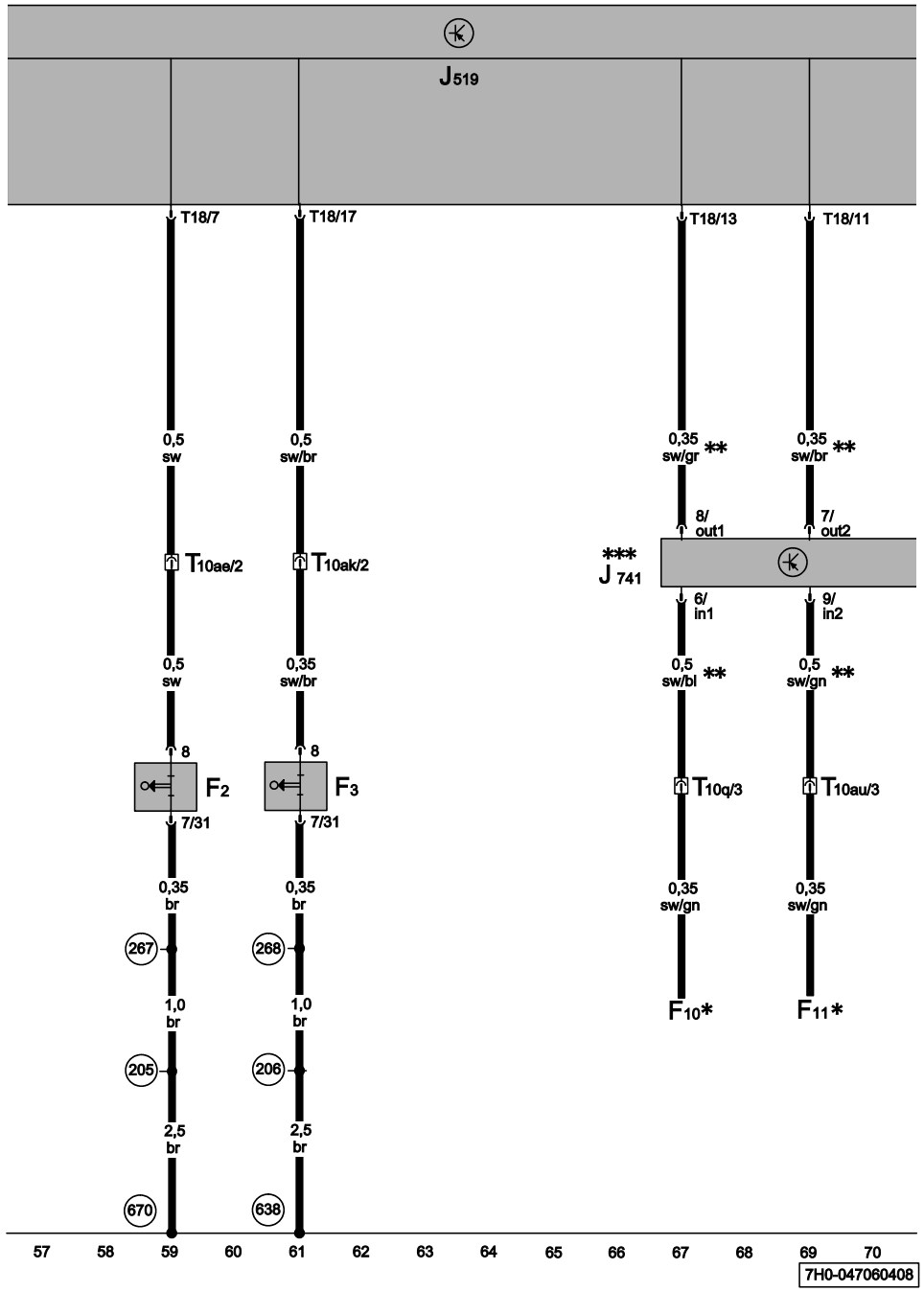
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
W35	Right luggage compartment light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	For Multivan only
**	Cross-section 4.0 possible
#	applicable up to November 2003
##	applicable from December 2003



Glove compartment light switch, glove compartment light, front left and right entry light, rear left and right entry light, interior monitoring switch

E26	Glove compartment light switch
E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6bc	6-pin connector, blue
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
W6	Glove compartment light
W31	Front left entry light
W32	Front right entry light
W33	Rear left entry light
W34	Rear right entry light
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	For Multivan only

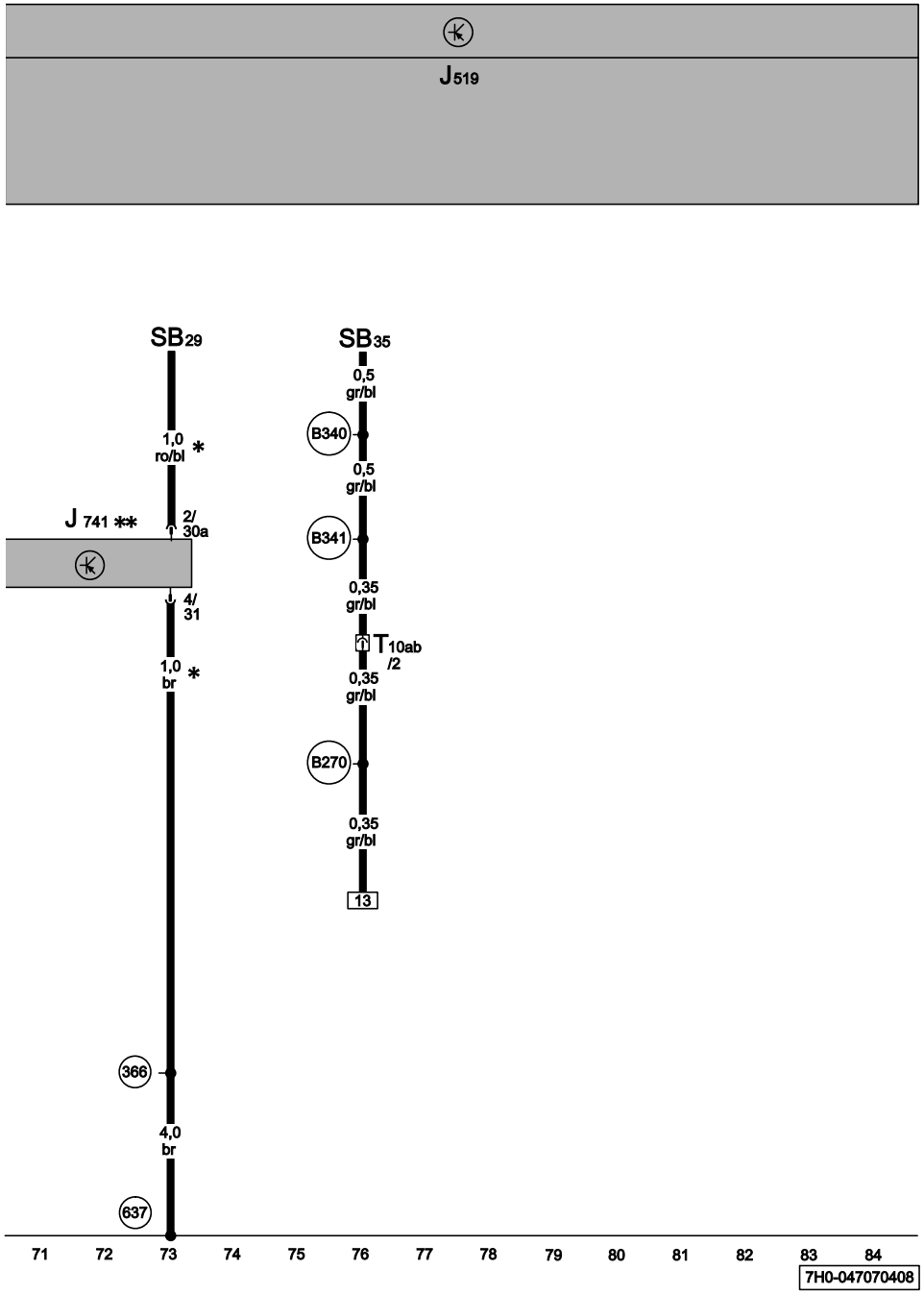
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
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Driver and front passenger side door contact switch, rear left and right door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	⇒ Current Flow Diagram: convenience system
**	for models without electric sliding doors/power latching system only
***	on relay carrier (2) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dual signal inverter relay

J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
SB35	Fuse 35 on fuse holder B
T10ab	10-pin connector, white, coupling station on left of A-pillar
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
B270	Connection (58s), in roof wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models without electric sliding doors/power latching system only
**	on relay carrier (2) cockpit ⇒ Fitting Locations

Electric sliding/tilting sunroof

from March 2003

Notes:

For information concerning

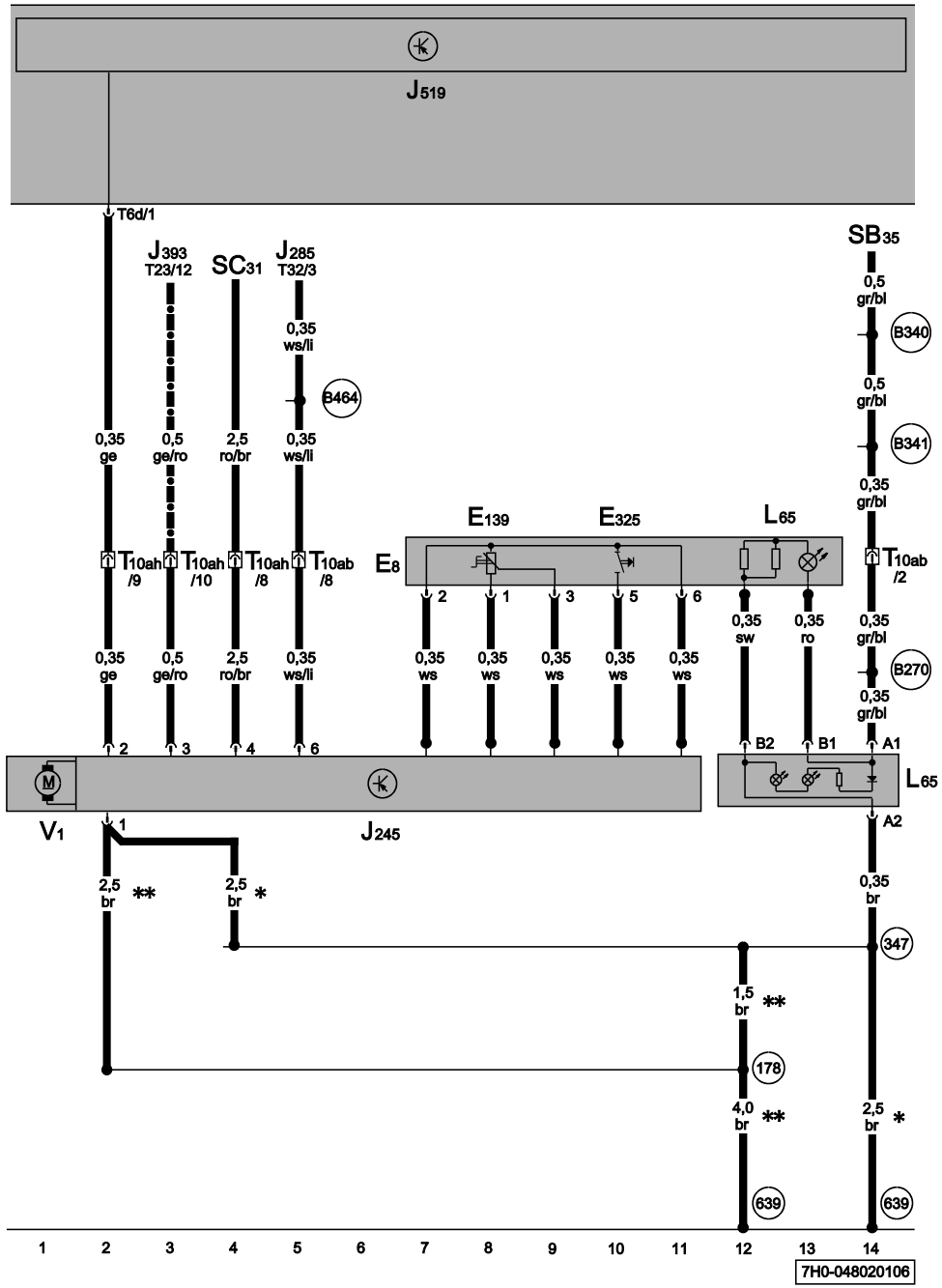
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Sliding sunroof adjustment control unit, sunroof switch, sliding sunroof motor

E8	Sunroof switch
E139	Sliding sunroof adjustment regulator
E325	Sunroof button
J245	Sliding sunroof adjustment control unit
J285	Control unit with display in dash panel insert
J393	Convenience system central control unit
J519	Onboard supply control unit
L65	Sliding sunroof switch illumination bulb
SB35	Fuse 35 on fuse holder
SC31	Fuse 31 on fuse holder
T6d	6-pin connector, brown
T10ab	10-pin connector, white, coupling station left of A-pillar
T10ah	10-pin connector, purple, coupling station left A-pillar
T23	23-pin connector
T32	32-pin connector, blue
V1	Sliding sunroof motor
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B270	Connection (58s), in roof wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004

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for models with central locking only

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gr	=	grey	uniform"/
li	=	purple	>
ge	=	yellow	
or	=	orange	
rs	=	pink	

CAN-network

from March 2003

Notes:

For information concerning

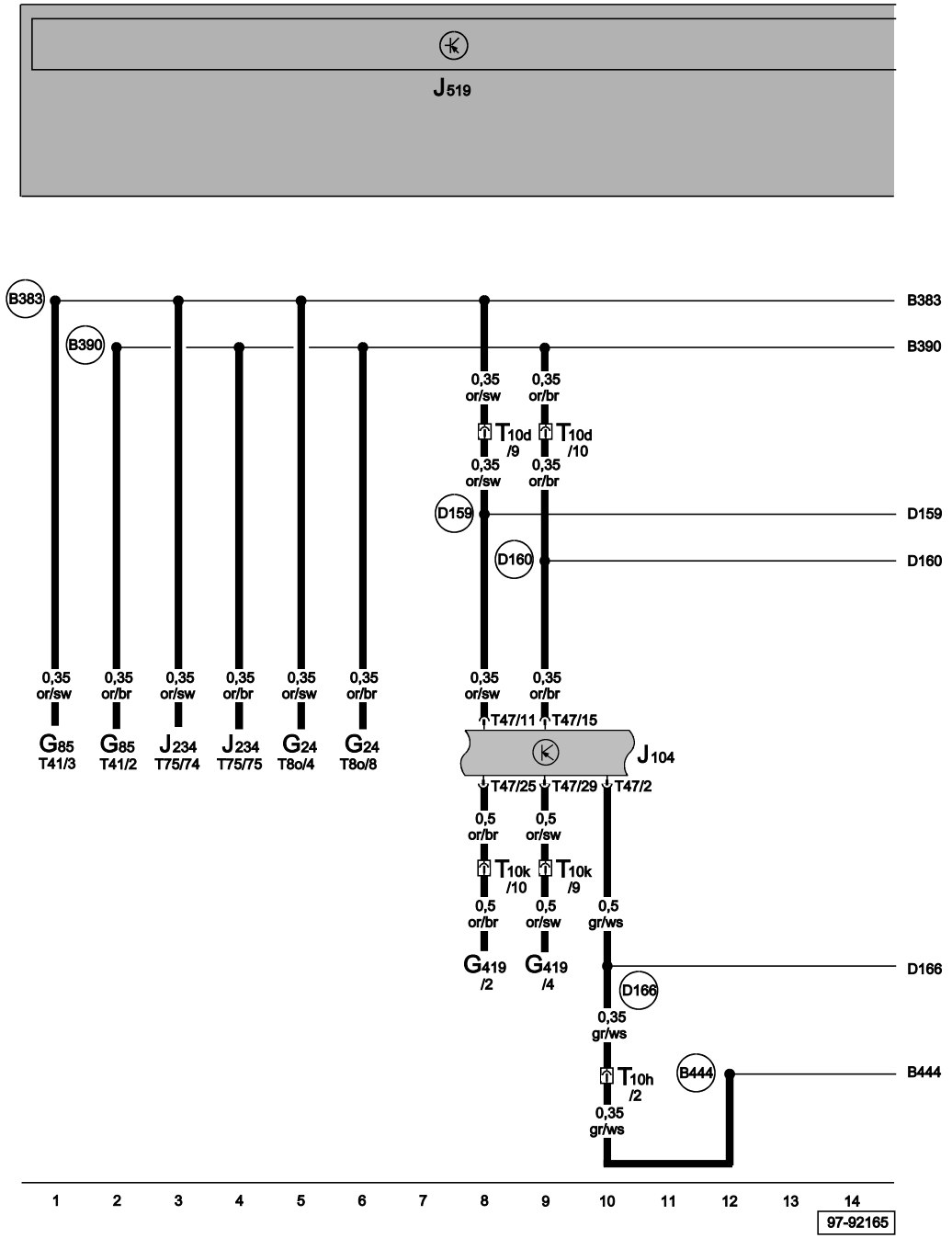
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

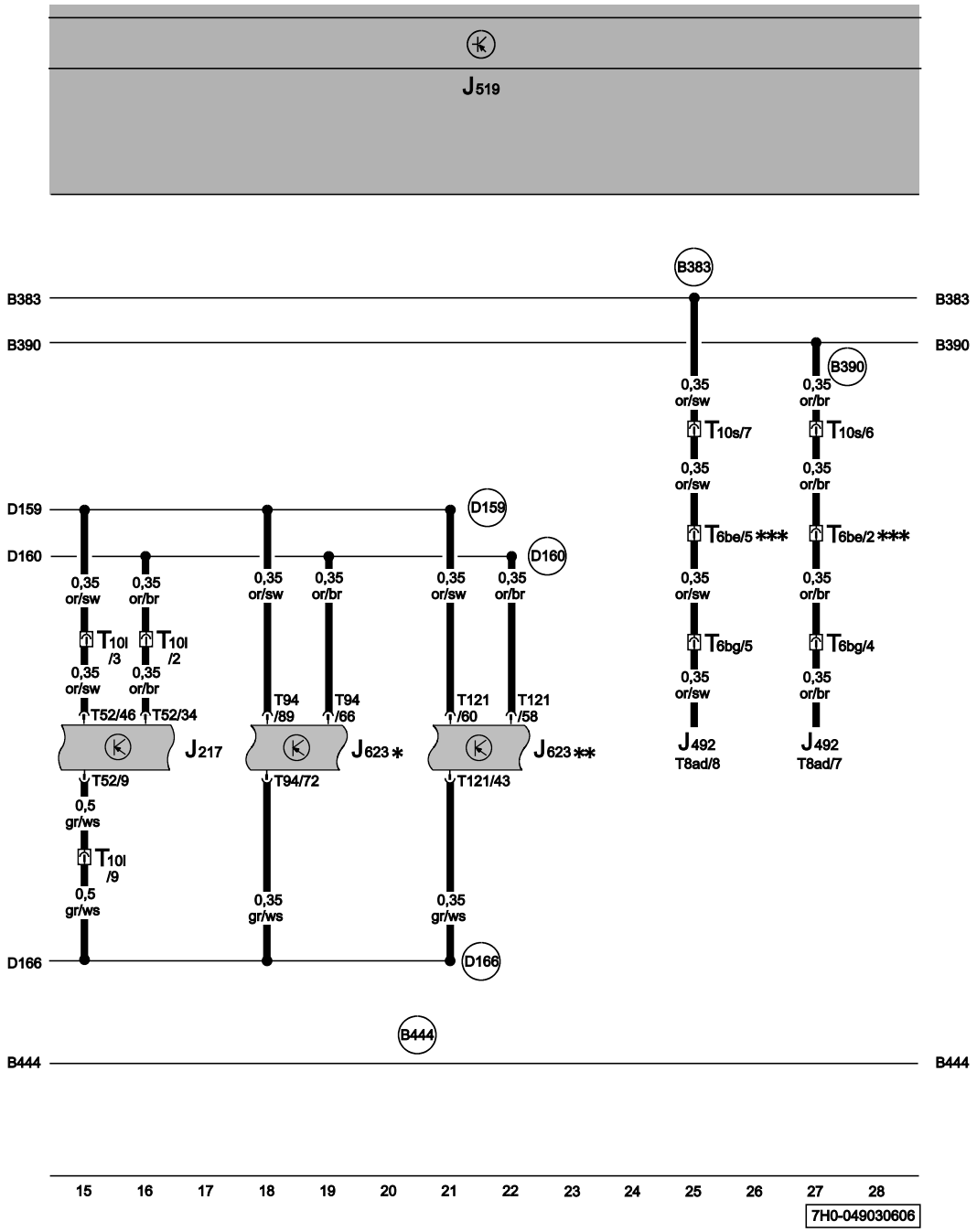
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Tachograph, steering angle sender, ABS control unit, ESP sensor unit, airbag control unit

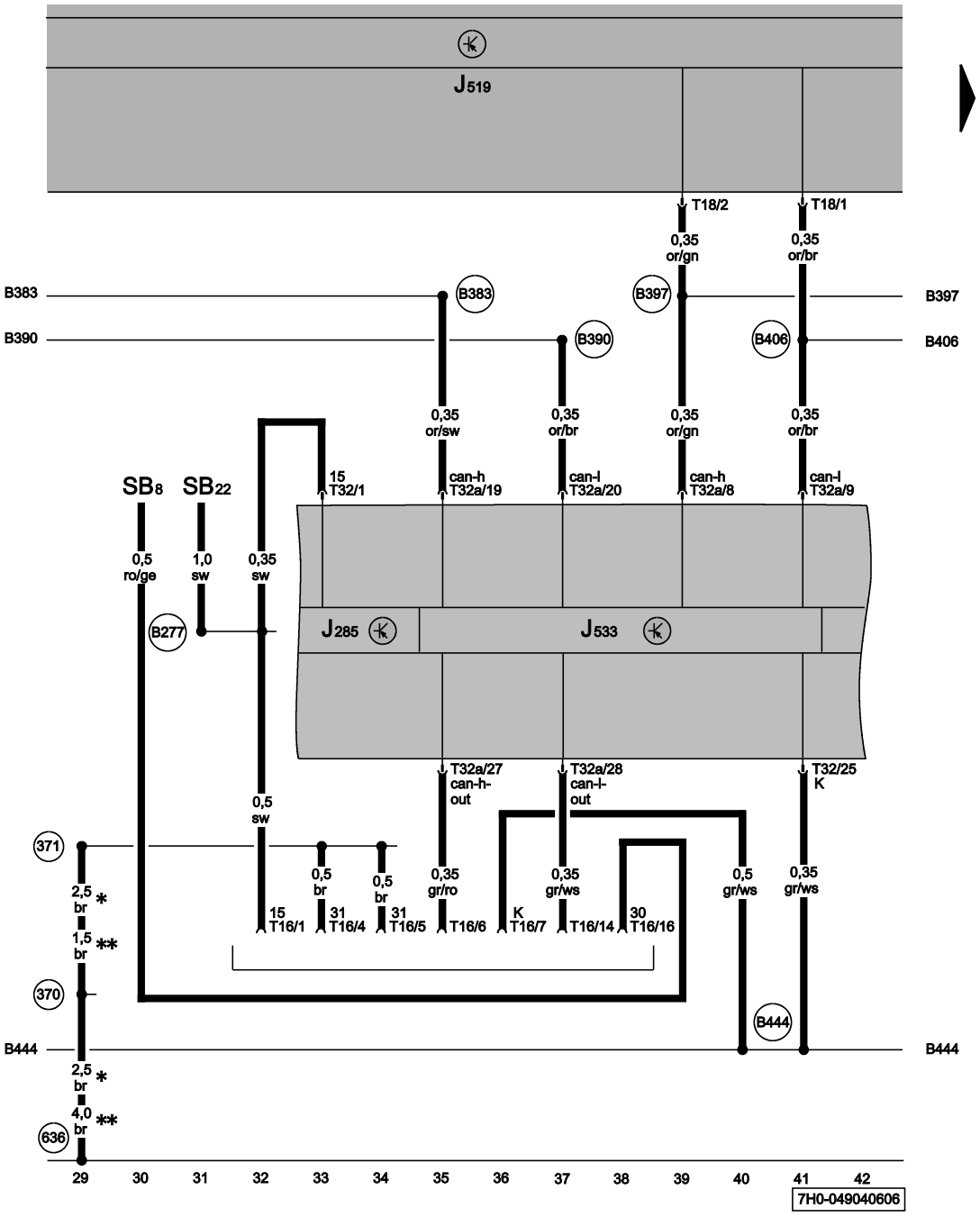
G24	Tachograph
G85	Steering angle sender
G419	ESP sensor unit
J104	ABS control unit
J234	Airbag control unit
J519	Onboard supply control unit
T8o	8-pin connector, white
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T41	41-pin connector
T47	47-pin connector
T75	75-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, four-wheel drive control unit, engine control unit

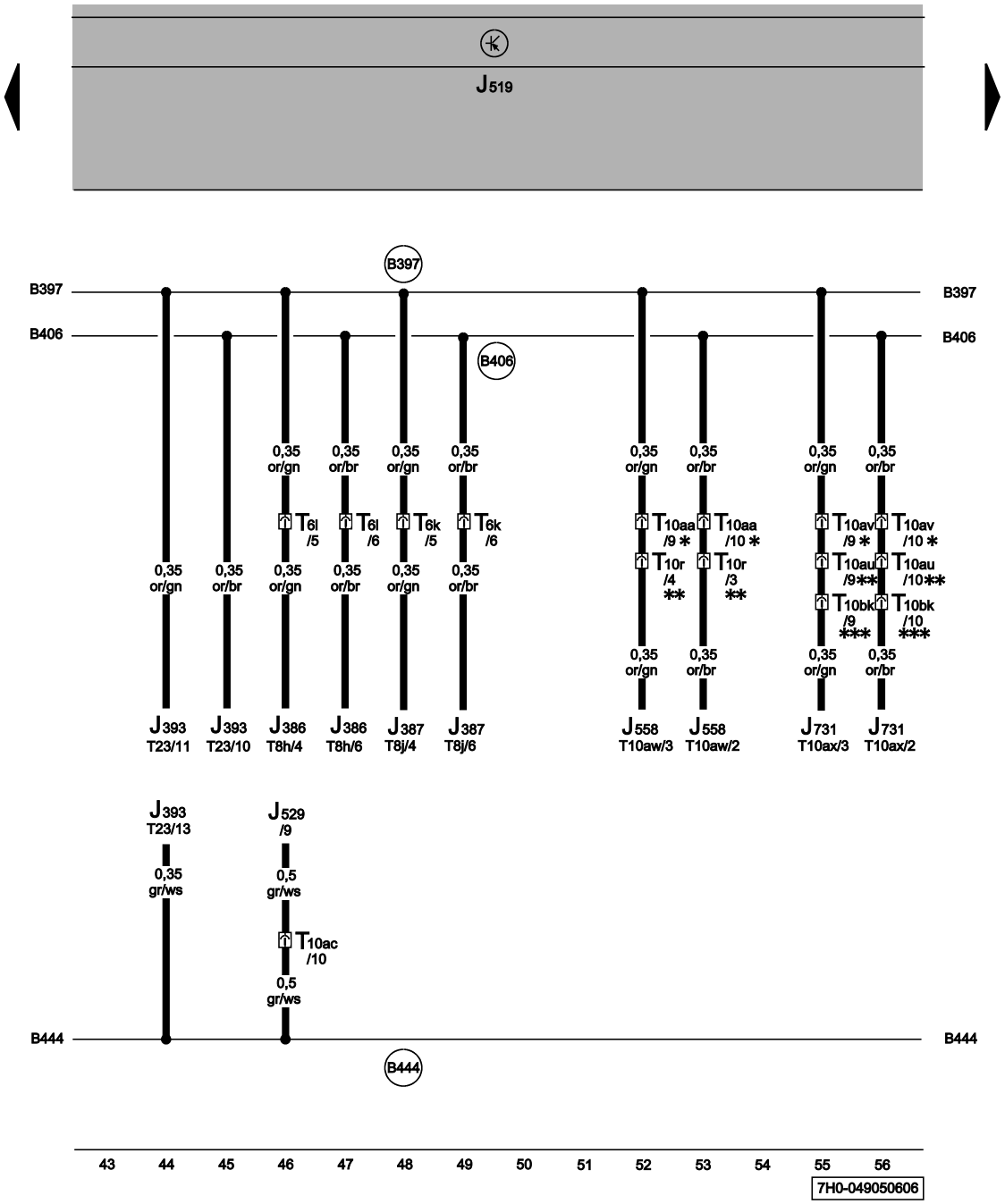
J217	Automatic gearbox control unit
J492	Four-wheel drive control unit
J623	Engine control unit
T6be	6-pin connector, grey, coupling station on left of D-pillar
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10s	10-pin connector, brown, coupling station under driver seat
T52	52-pin connector
T94	94-pin connector
T121	121-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only
***	for multivan, box-type delivery van and hybrid vehicle only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, onboard supply control unit, data bus diagnostic interface, diagnostic connector

J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SB8	Fuse 8 on fuse holder B
SB22	Fuse 22 on fuse holder B
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003

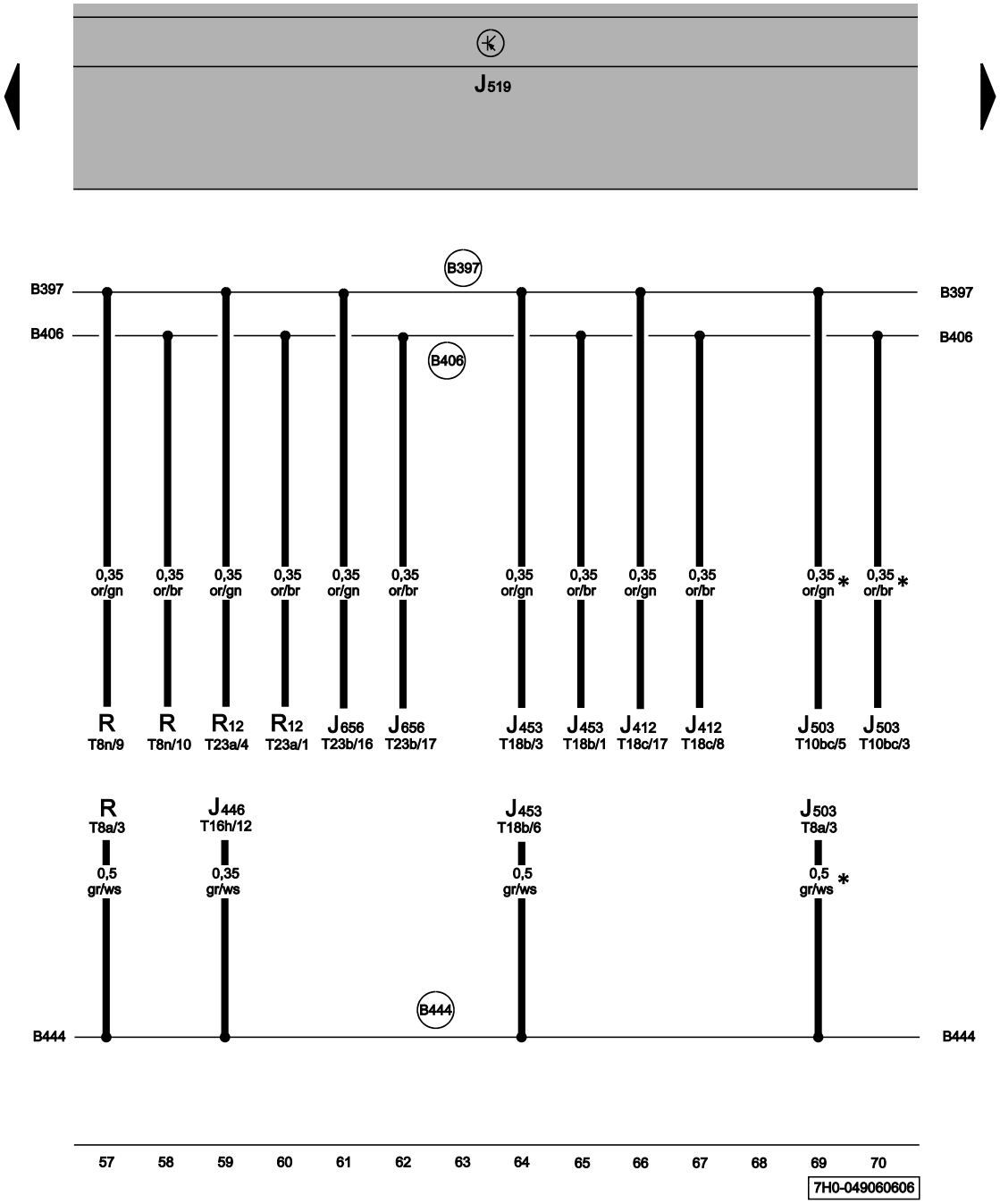


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door control units, convenience system central control unit, sliding door control unit,anti-theft and tilt system control unit

J386	Driver door control unit
J387	Front passenger door control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T8j	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10aw	10-pin connector
T10ax	10-pin connector
T10bk	10-pin connector, grey, coupling station under front passenger seat
T23	23-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness

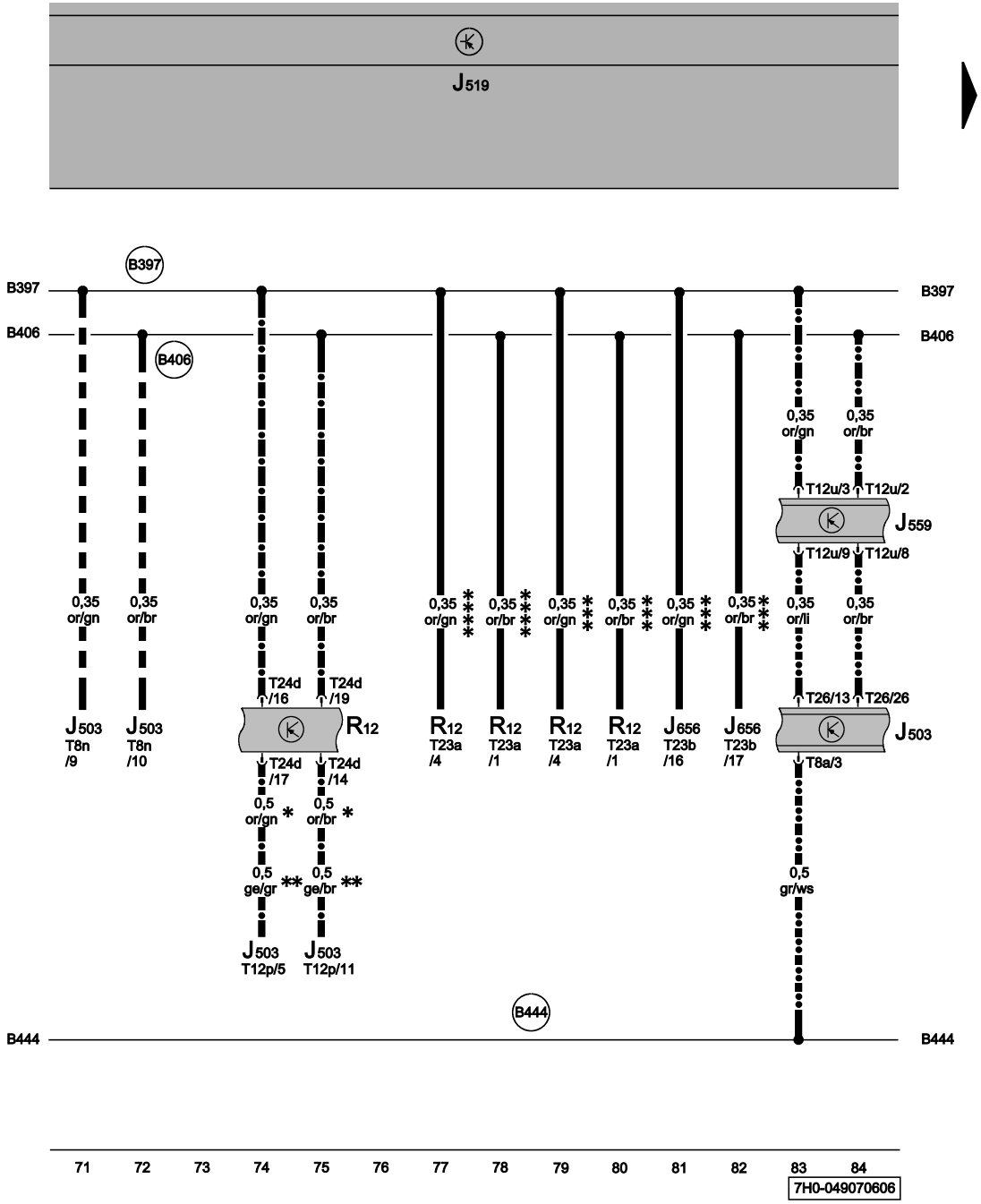
* applicable up to May 2004
** applicable from June 2004 up to December 2004
*** applicable from January 2005



Mobile telephone operating electronics control unit, multifunction steering wheel control unit, voice amplification control unit, radio, amplifier

J412	Mobile telephone operating electronics control unit
J446	Parking aid control unit
J453	Multifunction steering wheel control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
R12	Amplifier
T8a	8-pin connector, black
T8n	8-pin connector
T10bc	10-pin connector, red
T16h	16-pin connector, brown, up to January 2004 white
T18b	18-pin connector, black
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
T23b	23-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with radio and navigation system with black/white-display only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



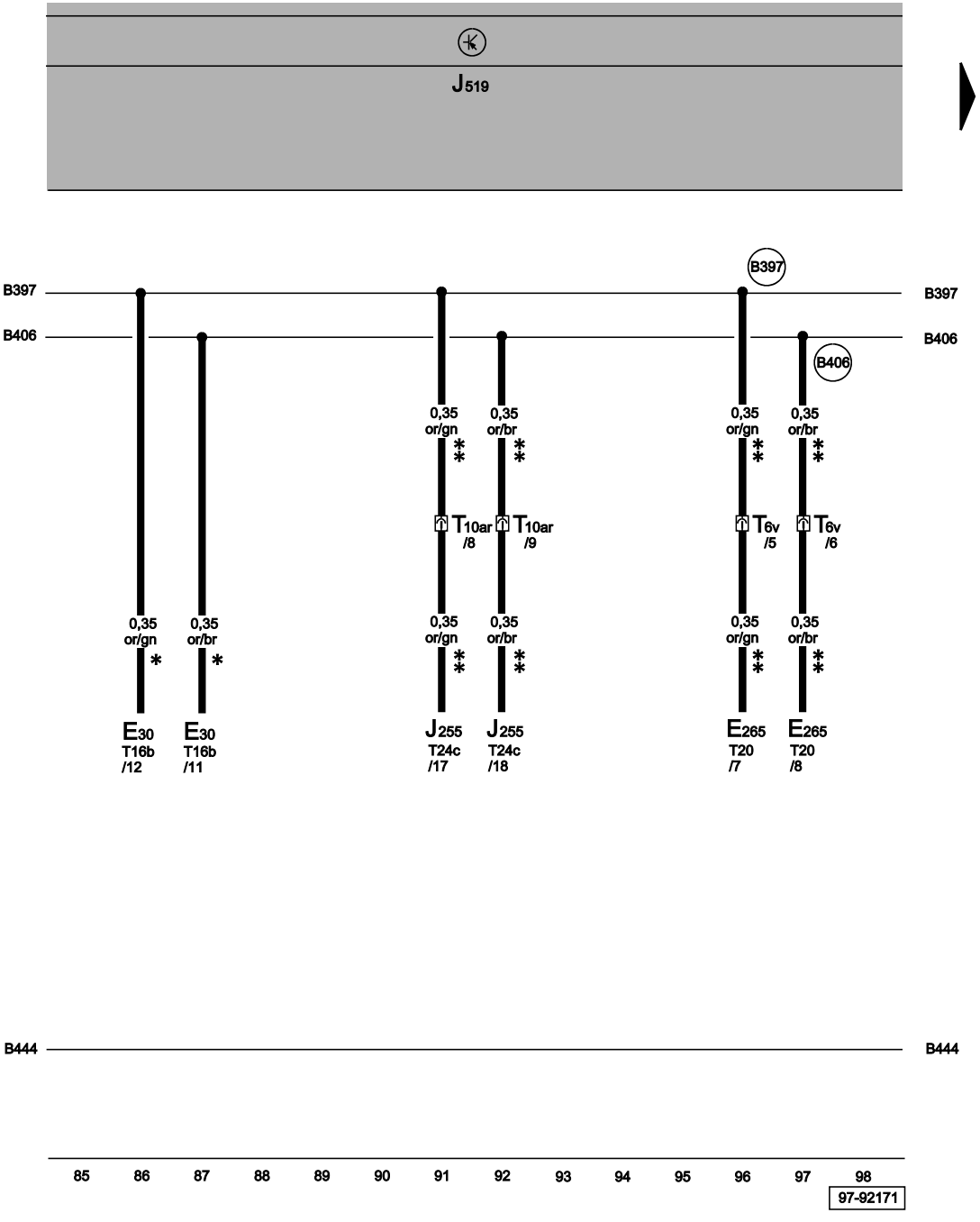
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Control unit with display for radio and navigation system, traffic information control unit, voice amplification control unit, amplifier

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
J656	Voice amplification control unit
R12	Amplifier
T8a	8-pin connector, black
T8n	8-pin connector
T12p	12-pin connector, green
T12u	12-pin connector, black
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector
T26	26-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004 up to December 2005
***	for models with voice amplification only
****	for models without voice amplification only, applicable from January 2006
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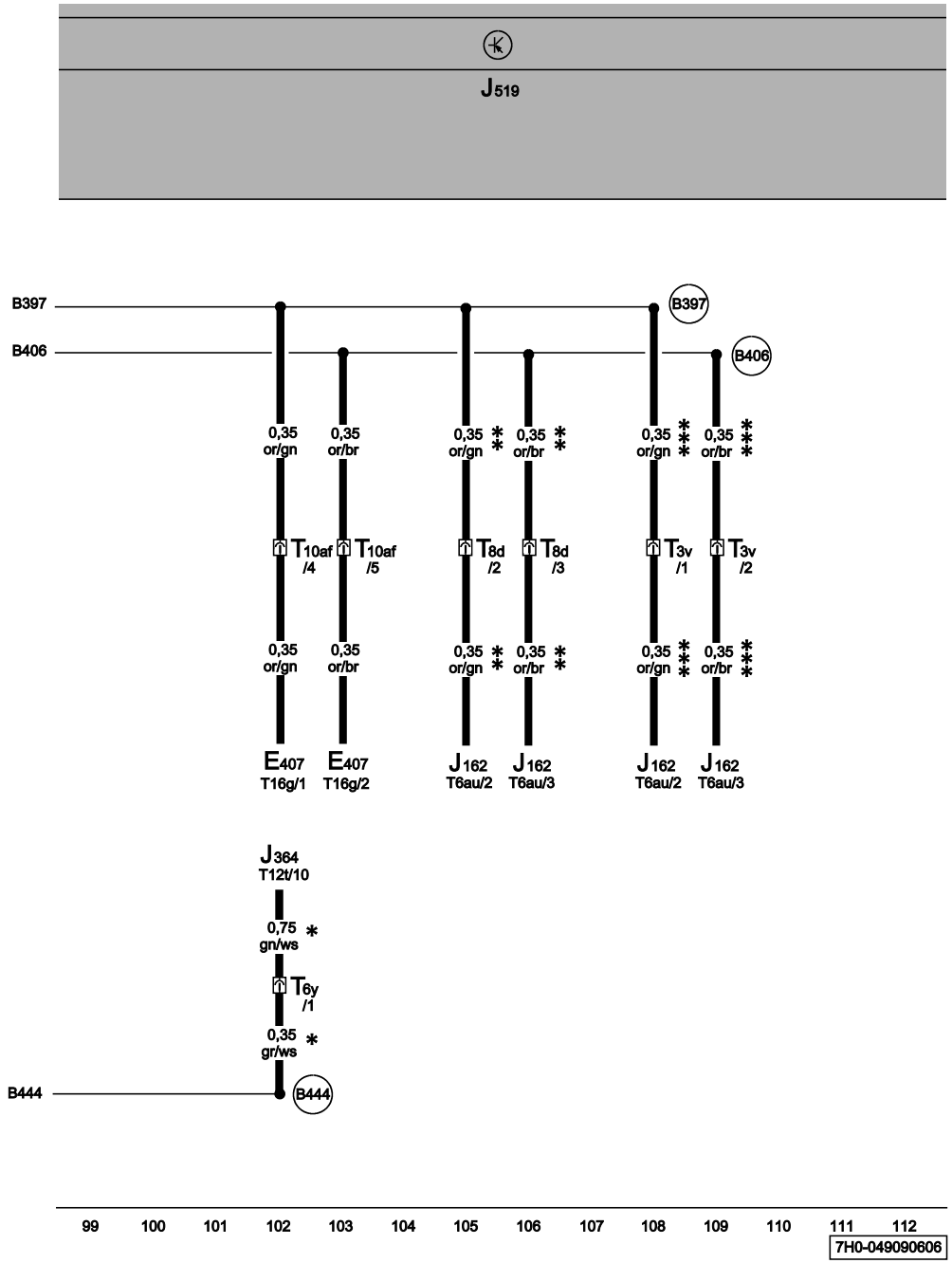
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Air conditioning system switch, rear Climatronic operating and display unit, Climatronic control unit

E30	Air conditioning system switch
E265	Operating and display unit for rear Climatronic
J255	Climatronic control unit
J519	Onboard supply control unit
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove box
T16b	16-pin connector, black
T20	20-pin connector
T24c	24-pin connector, brown
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater operating and display unit, heater control unit, auxiliary heater control unit

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J364	Auxiliary heater control unit
J519	Onboard supply control unit
T3v	3-pin connector, black, on underbody, next to the auxiliary heater
T6y	6-pin connector, blue, coupling station under front passenger seat
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with auxiliary air heater only
**	for models with auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D only
***	for models with auxiliary coolant heater (auxiliary heater) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2.0 l/85 kW Motronic, engine code AXA

from June 2003

Notes:

For information concerning

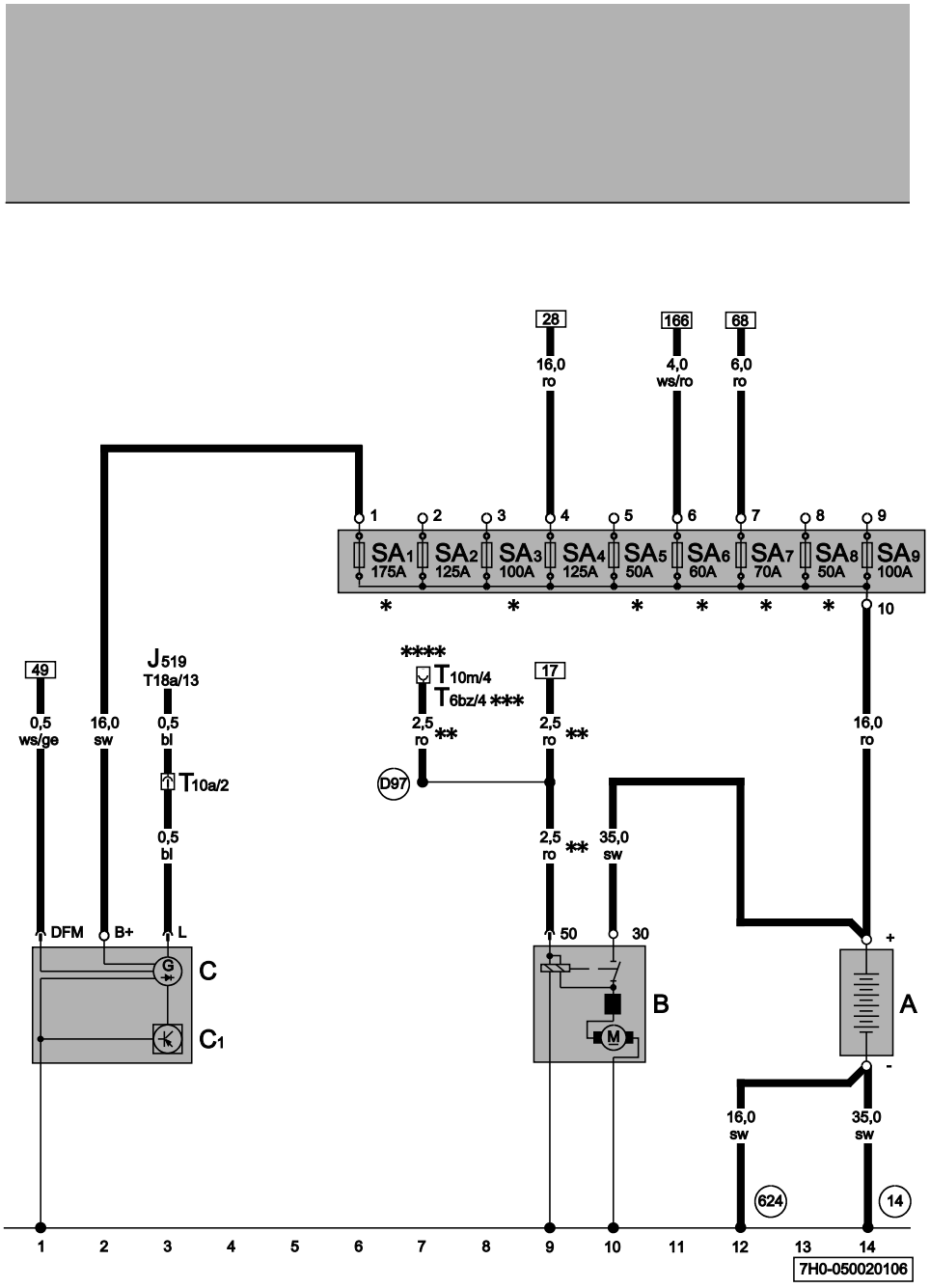
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

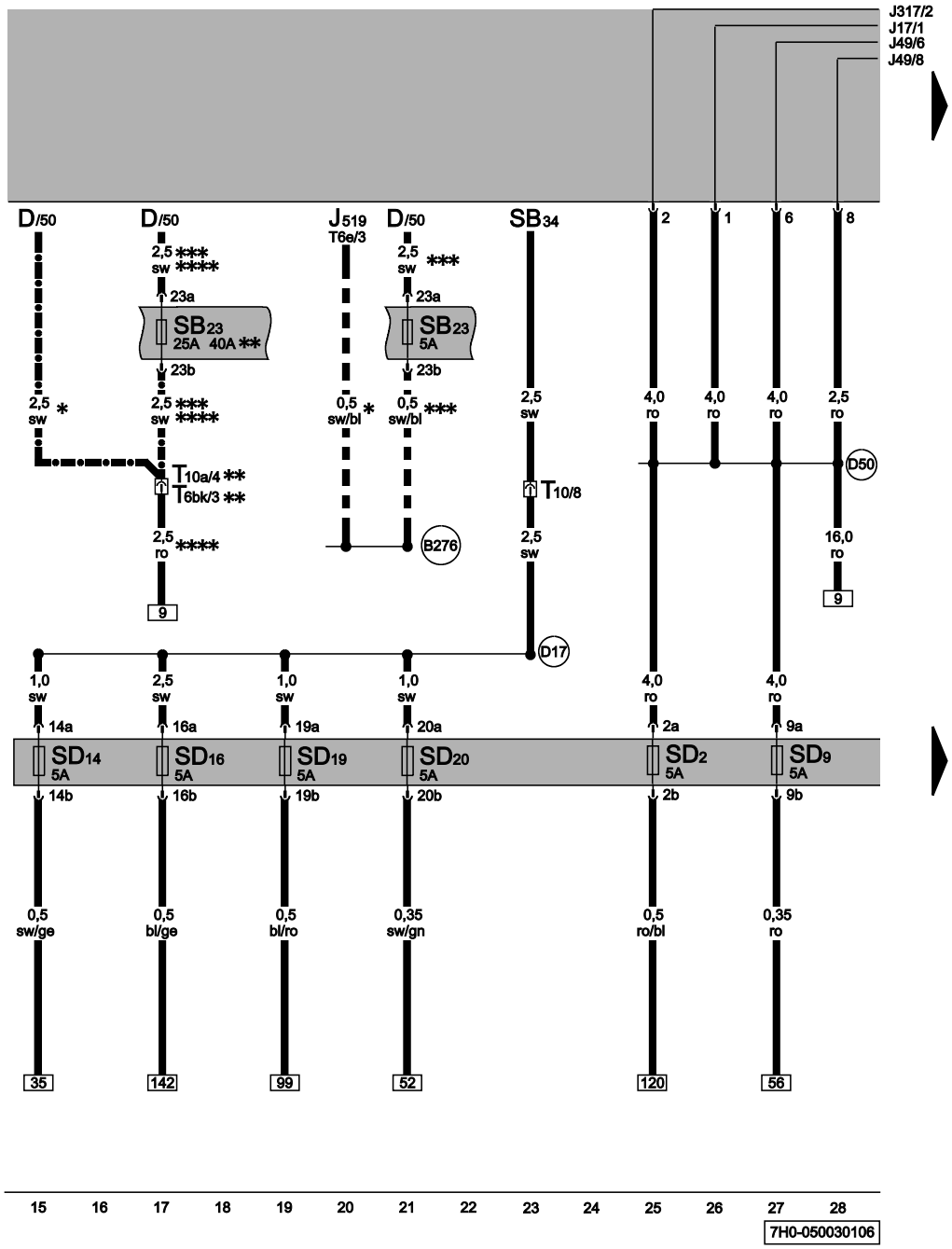
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, alternator, starter, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	Cross-section 4.0 possible
***	applicable from June 2004
****	⇒ electric interface Current Flow Diagram



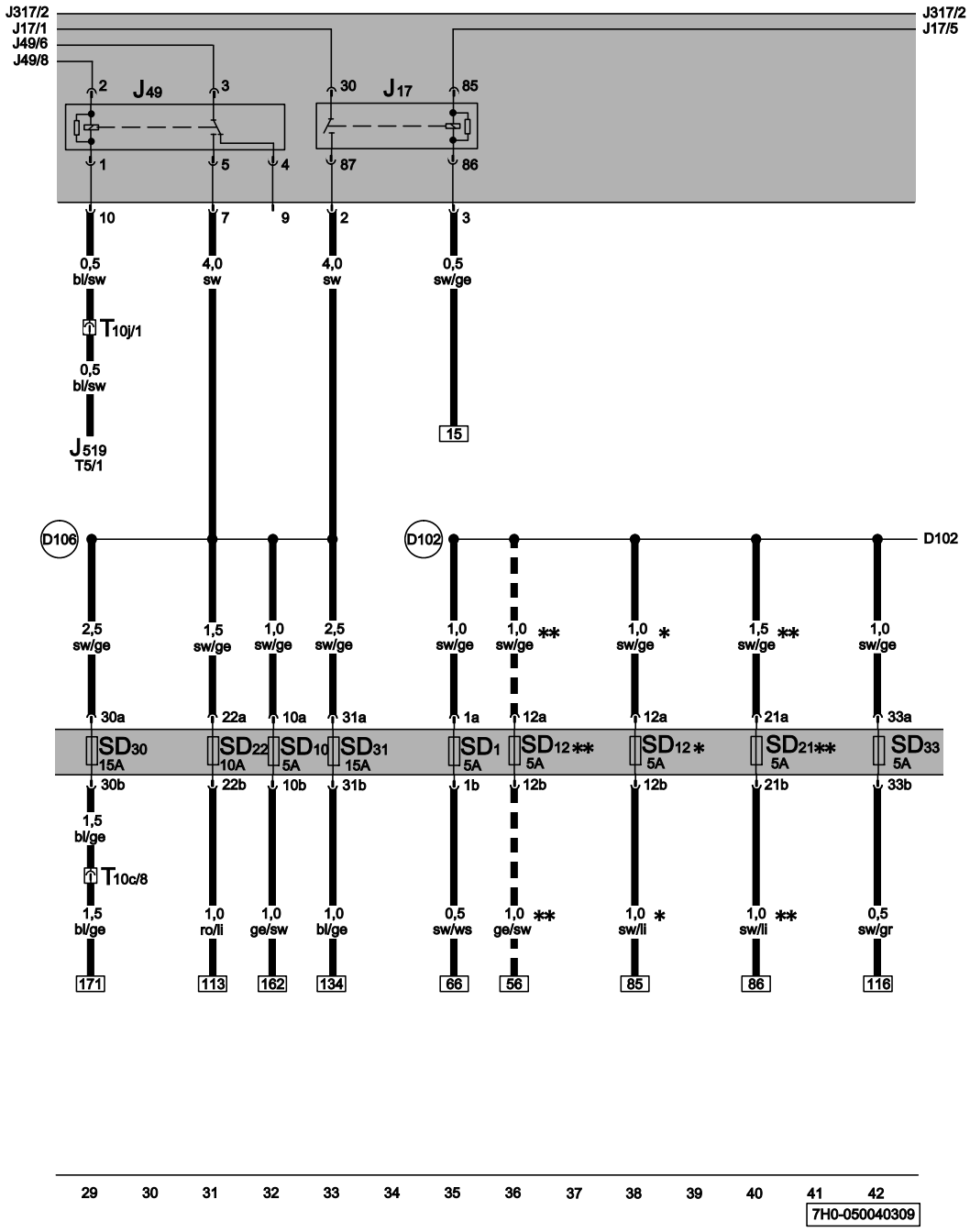
ws = white

Fuses

D	Ignition/starter switch
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
SD20	Fuse 20 on fuse holder D
T6e	6-pin connector, red
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
B276	Positive connection (50), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
*	applicable up to January 2004
**	depends on equipment
***	applicable from February 2004
****	Cross-section 4.0 possible
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<fo:external-	models with manual gearbox and with electric interface only ⇒ applicable Current Flow Diagram

sw	=	black
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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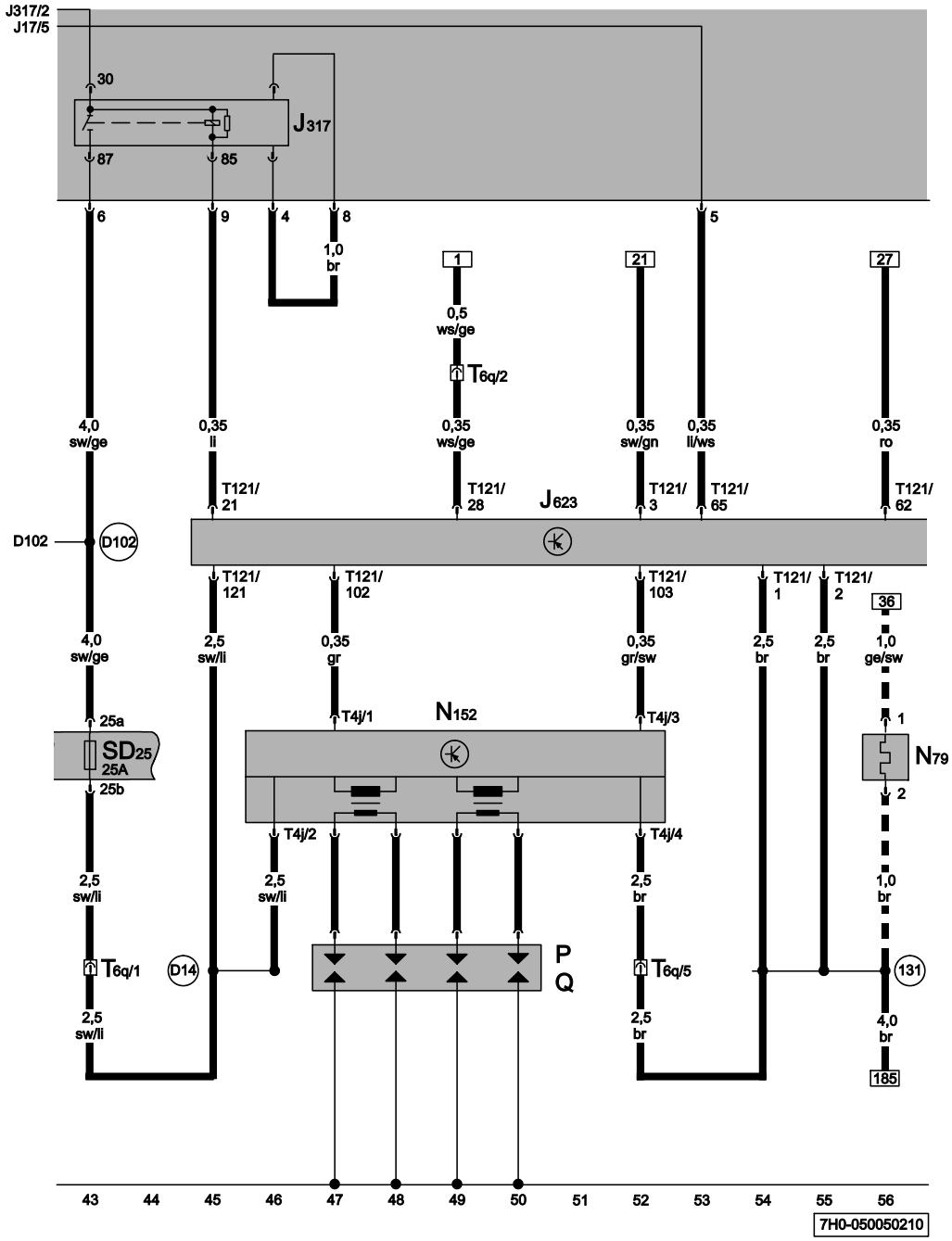
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, fuel pump relay

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
SD22	Fuse 22 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD31	Fuse 31 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D102	Connection 2, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	applicable up to January 2004
**	applicable from February 2004

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>

for models with heater element for crankcase breather only



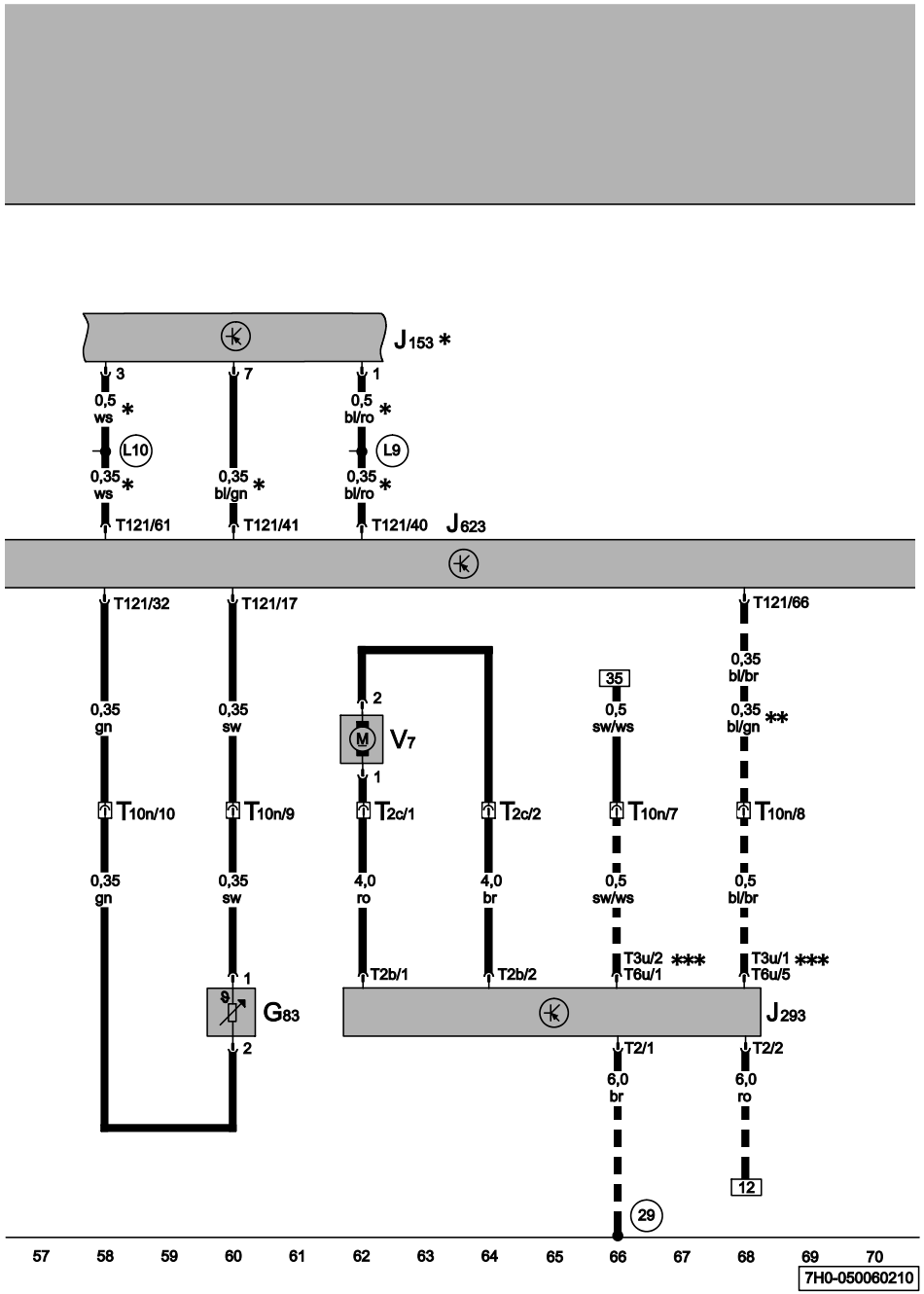
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, voltage supply relay, ignition transformer, spark plug connector, spark plugs, heater element for crankcase breather

J317	Terminal 30 voltage supply relay
J623	Engine control unit
N79	Heater element for crankcase breather
N152	Ignition transformer
P	Spark plug connector
Q	Spark plugs
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
SD25	Fuse 25 on fuse holder D
T121	121-pin connector
131	Earth connection 2, in engine compartment wiring harness
D14	Connection (ignition coil - control unit), in front right wiring harness
D102	Connection 2, in engine compartment wiring harness

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for models with heater element for crankcase breather only

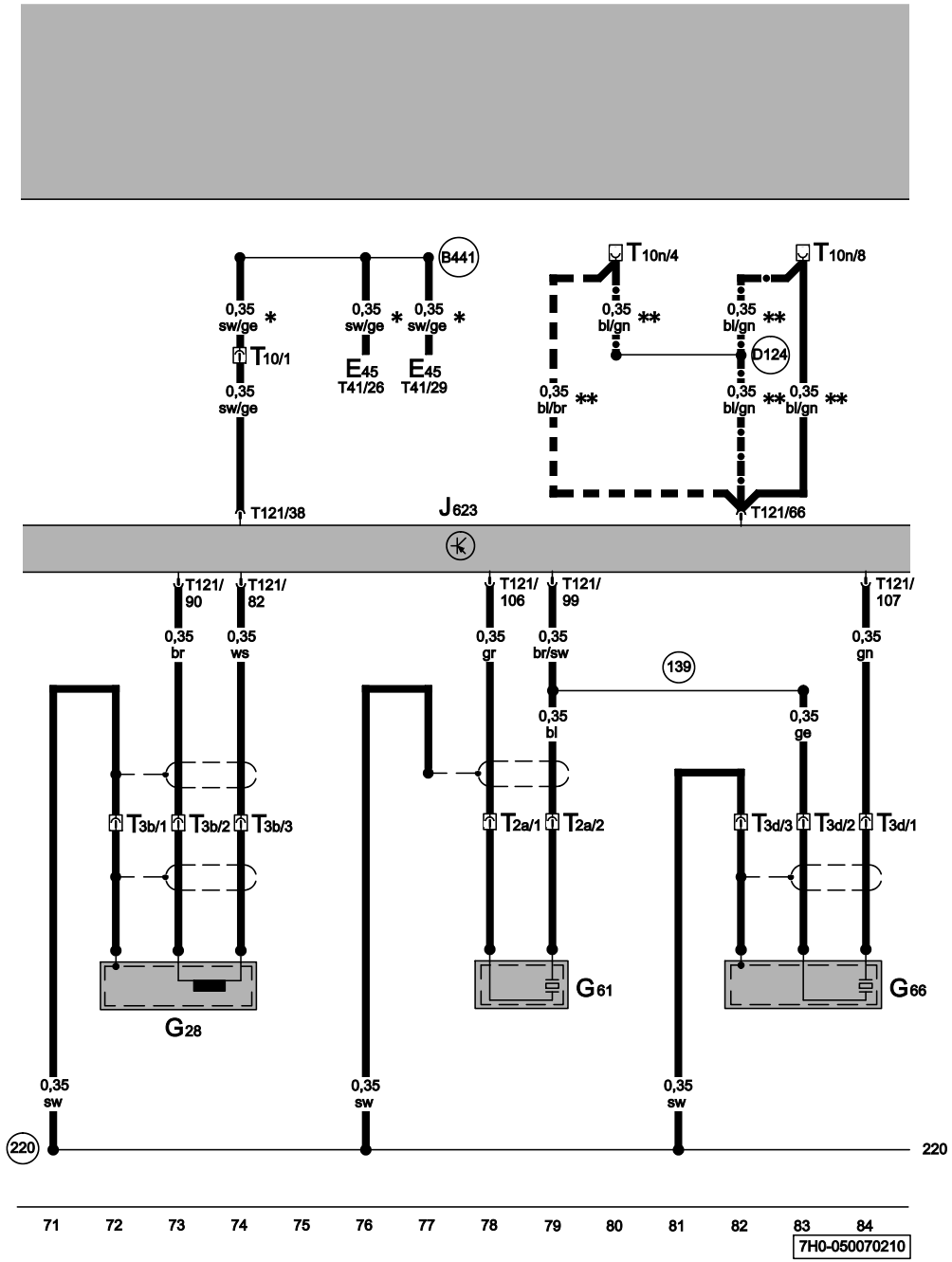


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator outlet coolant temperature sender, radiator fan control unit, radiator fan, magnetic clutch control unit

G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6u	6-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	applicable from October 2004
***	applicable from January 2006

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for models without air conditioning system only



Engine control unit, engine speed sender, knock sensors 1, knock sensors 2, cruise control system switch

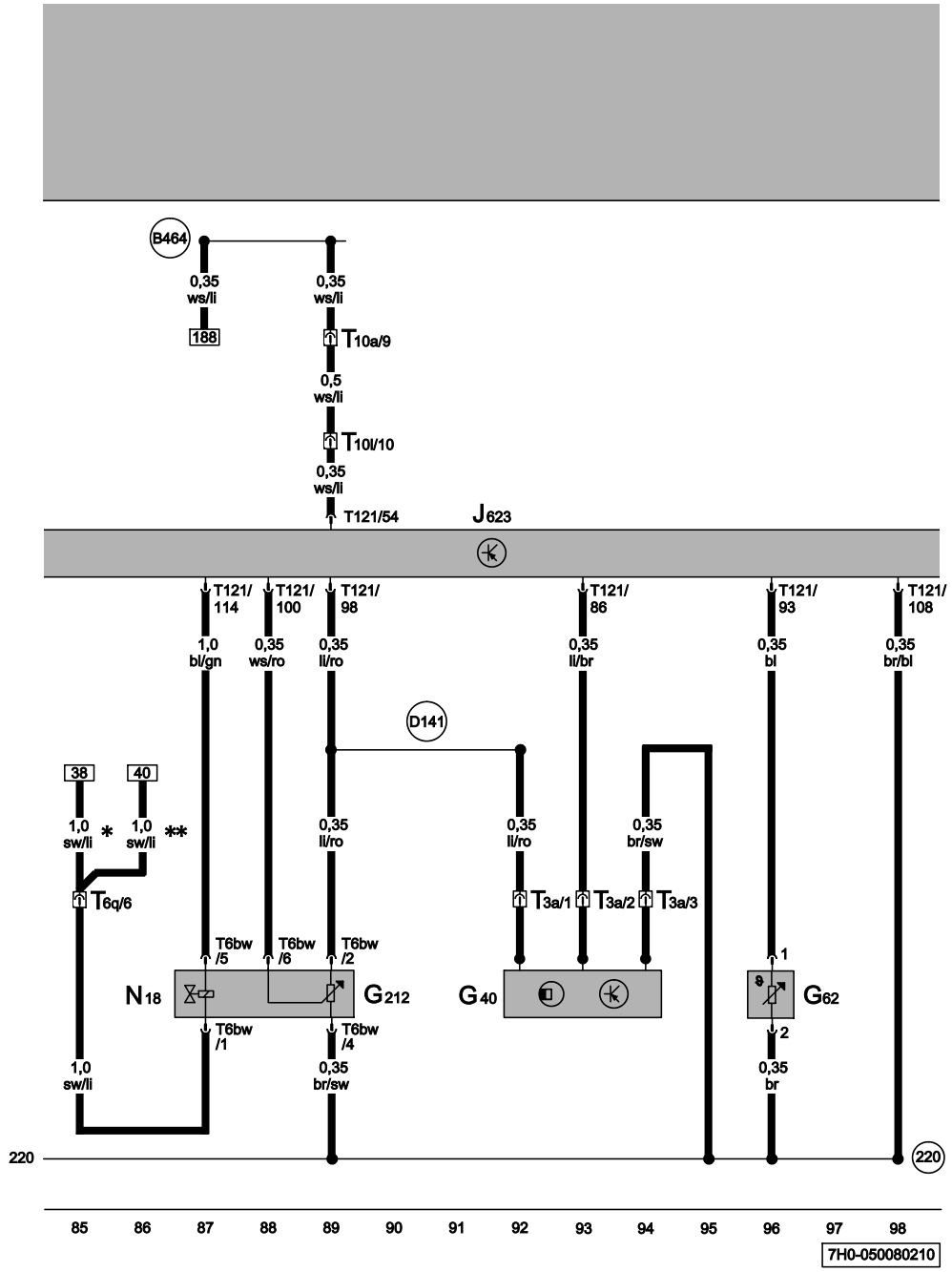
E45	Cruise control system switch
G28	Engine speed sender
G61	Knock sensor 1
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3d	3-pin connector, black, on front of engine
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
(139)	Earth connection (sender earth), in Motronic wiring harness
(220)	Earth connection (sender earth), in engine wiring harness
(B441)	Connection (CCS), in main wiring harness
(D124)	Connection 22, in engine compartment wiring harness
*	for models with cruise control system only
**	for models with air conditioning system only ⇒ Current Flow Diagram for radiator fan

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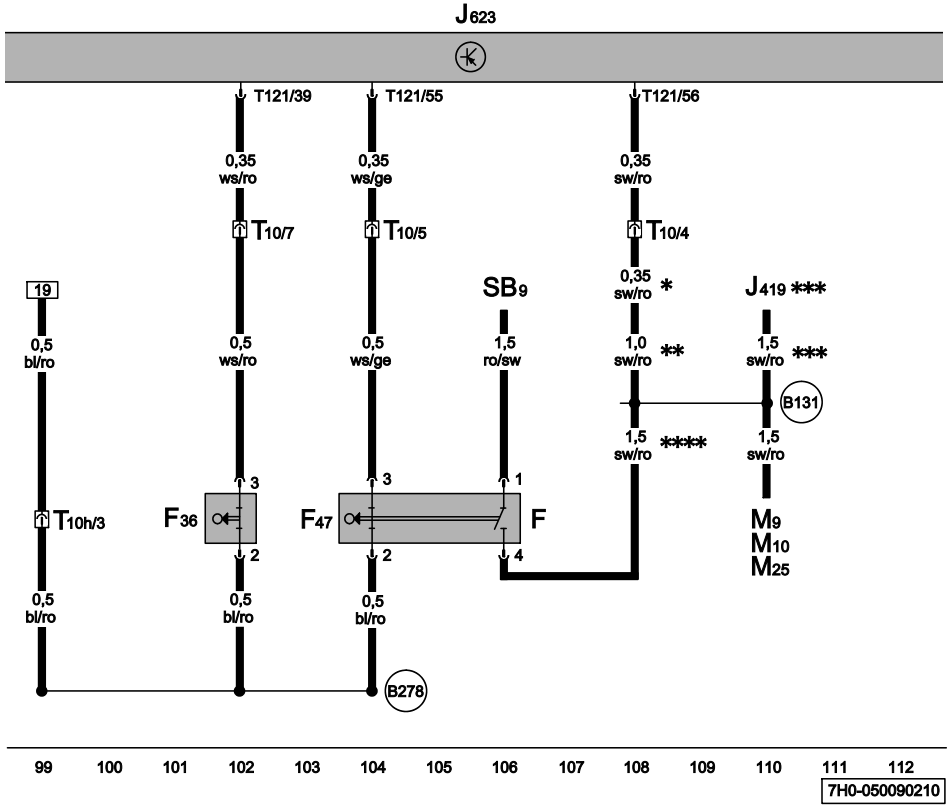
Engine control unit, Hall sender, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, coolant temperature sender

G40	Hall sender
G62	Coolant temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine control unit
N18	Exhaust gas recirculation valve
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
B464	Connection (speed signal), in main wiring harness
D141	Connection (5V), in engine wiring harness
*	applicable up to January 2004
**	applicable from February 2004

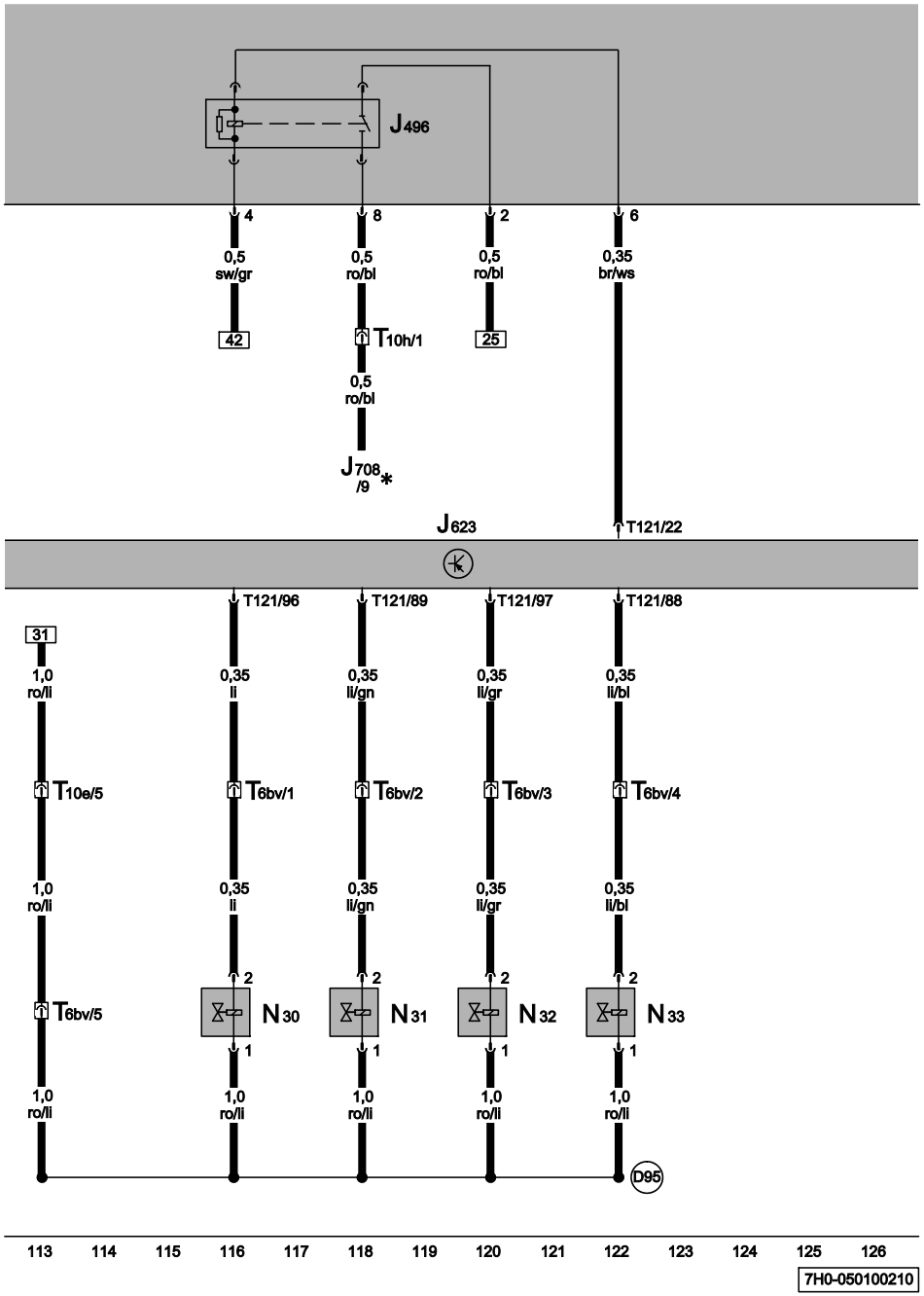
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rs	=	pink

Engine control unit, brake light switch, clutch pedal switch

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	for models with ESP only ⇒ ABS Current Flow Diagram
****	for models without ESP only



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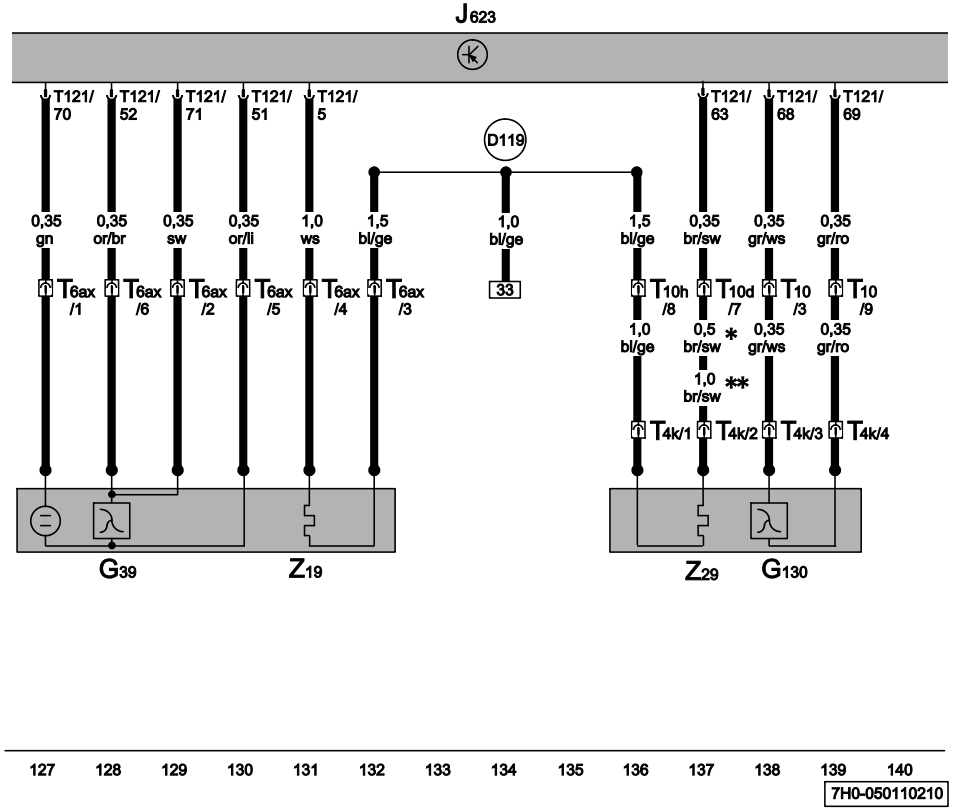
Engine control unit, injector, additional coolant pump relay

J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T6bv	6-pin connector, black, near cylinder head
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram

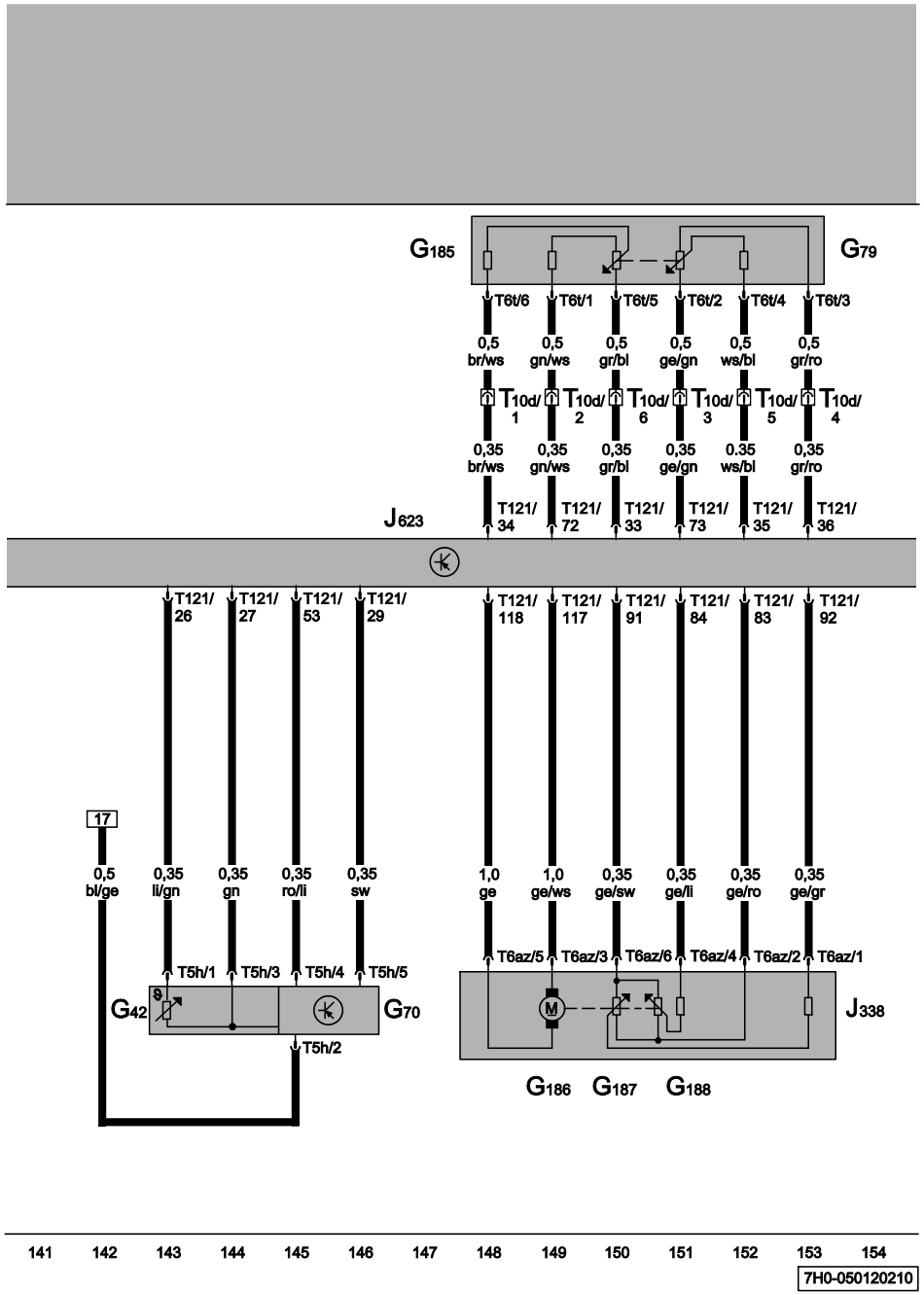
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Engine control unit, lambda probes

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
T4k	4-pin connector, black
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D119	Connection 17, in engine compartment wiring harness
*	applicable up to May 2004
**	applicable from June 2004



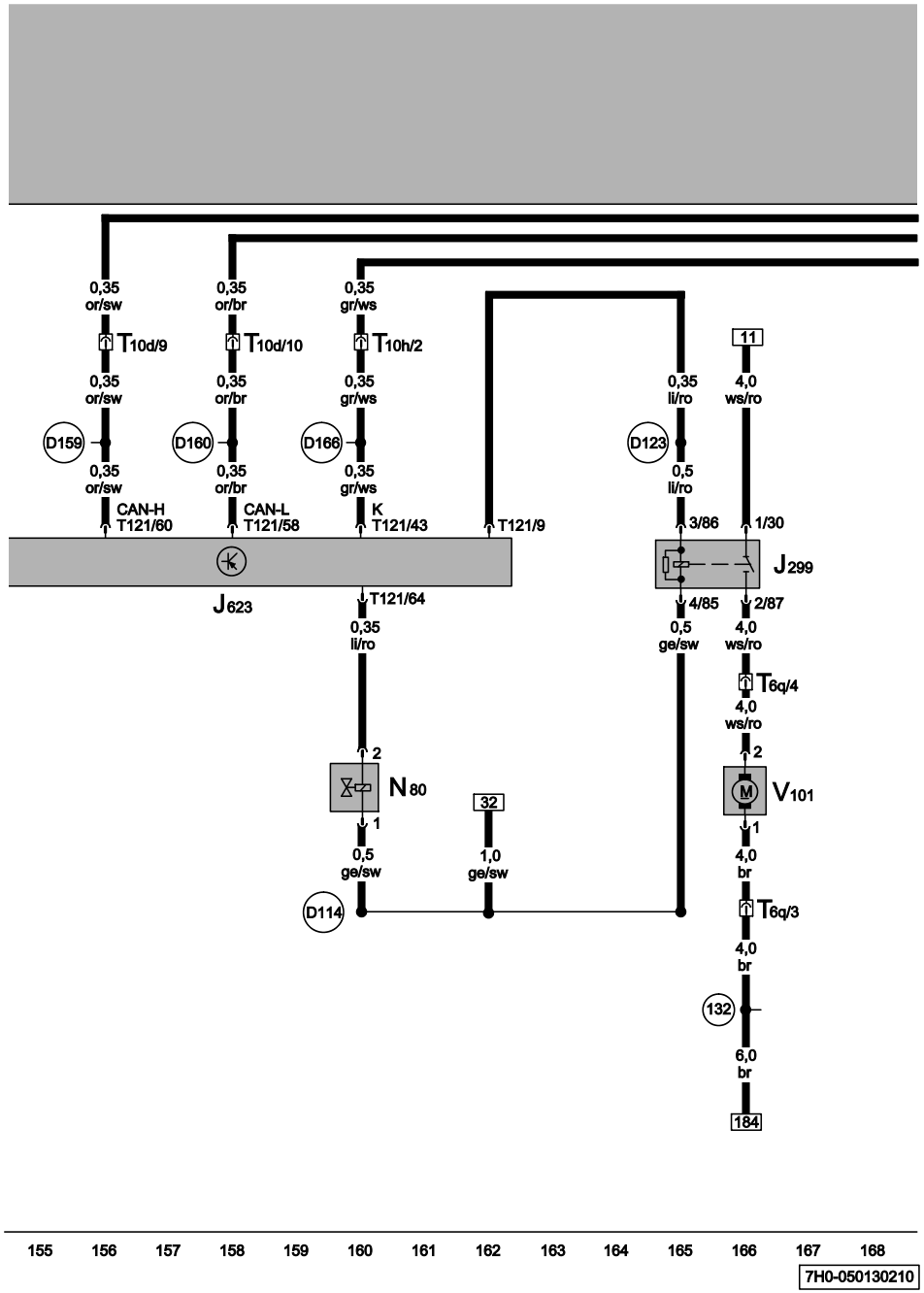
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Engine control unit, accelerator position sender, throttle valve module, air mass meter, intake air temperature sender

G42	Intake air temperature sender
G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine control unit
T5h	5-pin connector, brown
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector

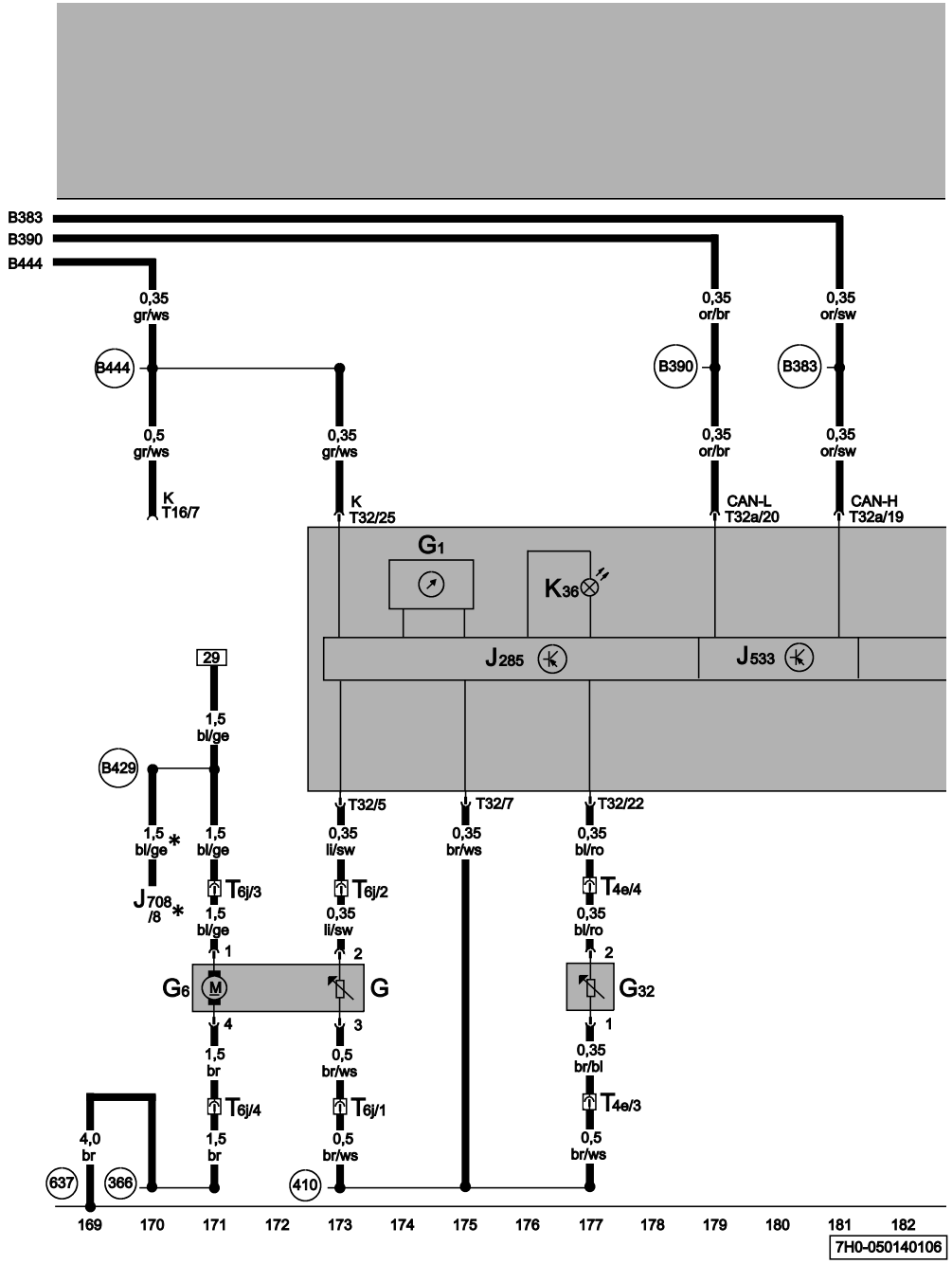
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rs	=	pink



Engine control unit, secondary air pump relay, secondary air pump motor, active charcoal filter system solenoid valve 1

J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
132	Earth connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness

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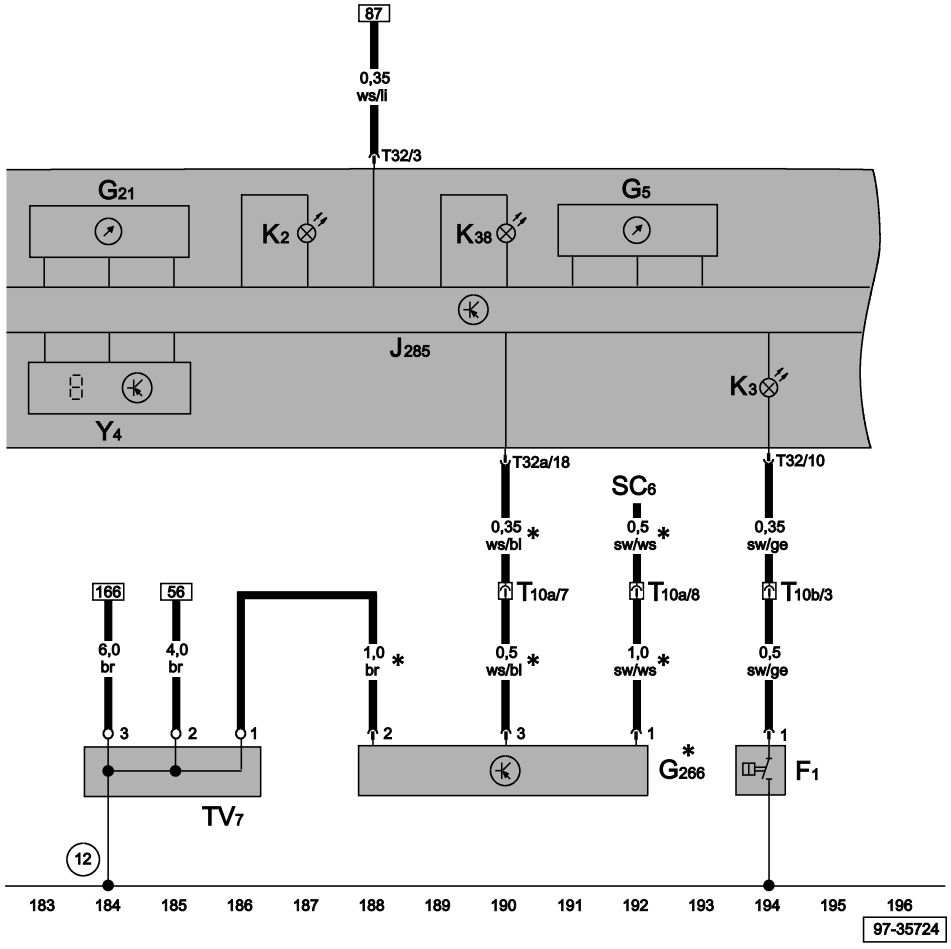
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Dash panel insert, oil pressure switch, fuel pump, fuel gauge sender, coolant shortage indicator sender, warning lamps

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
G32	Coolant shortage indicator sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K36	Coolant shortage warning lamp
T4e	4-pin connector, black, near headlight, front right
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G5	Rev. counter
G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K2	Alternator warning lamp
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
*	for models with extended servicing intervals only



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3.2 l/173 kW engine (Motronic), engine code BDL
from June 2003

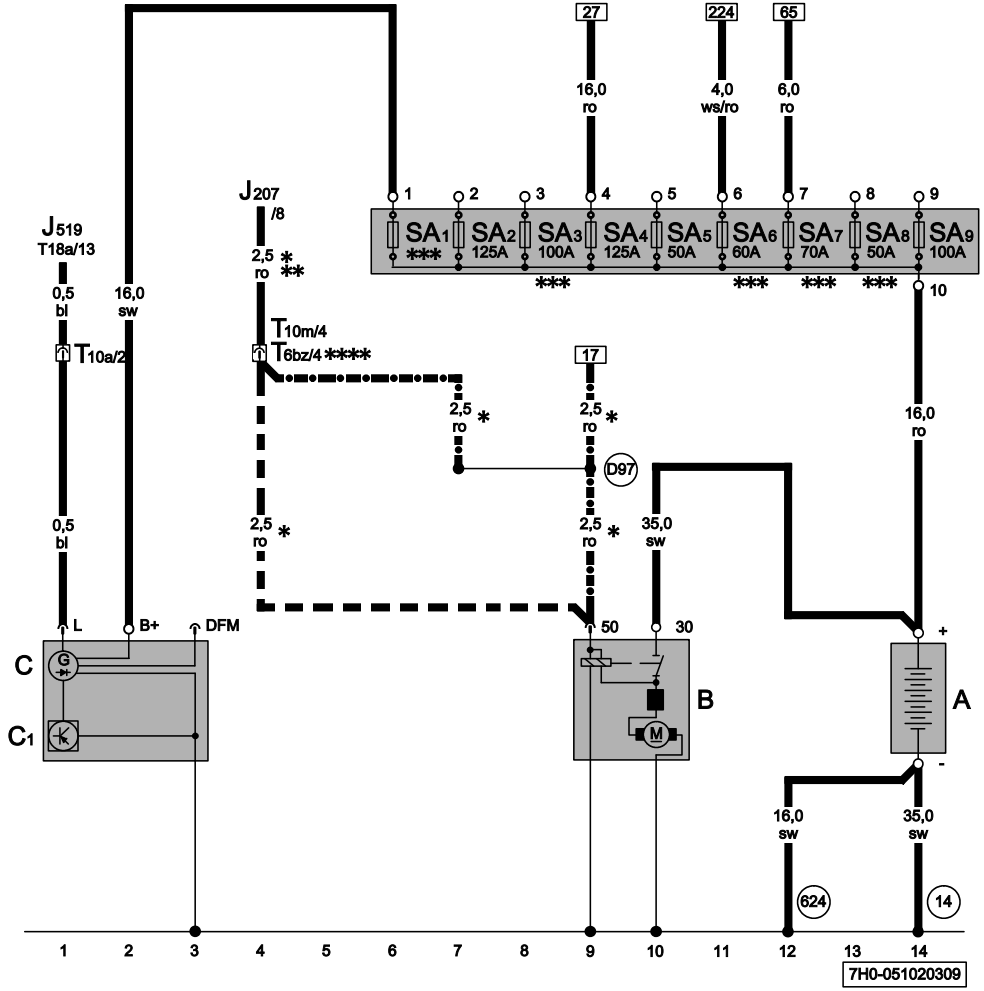
3.2 l/173 kW engine (Motronic), engine code BKK
from June 2003

3.2 l/173 kW engine (Motronic), engine code BDM
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



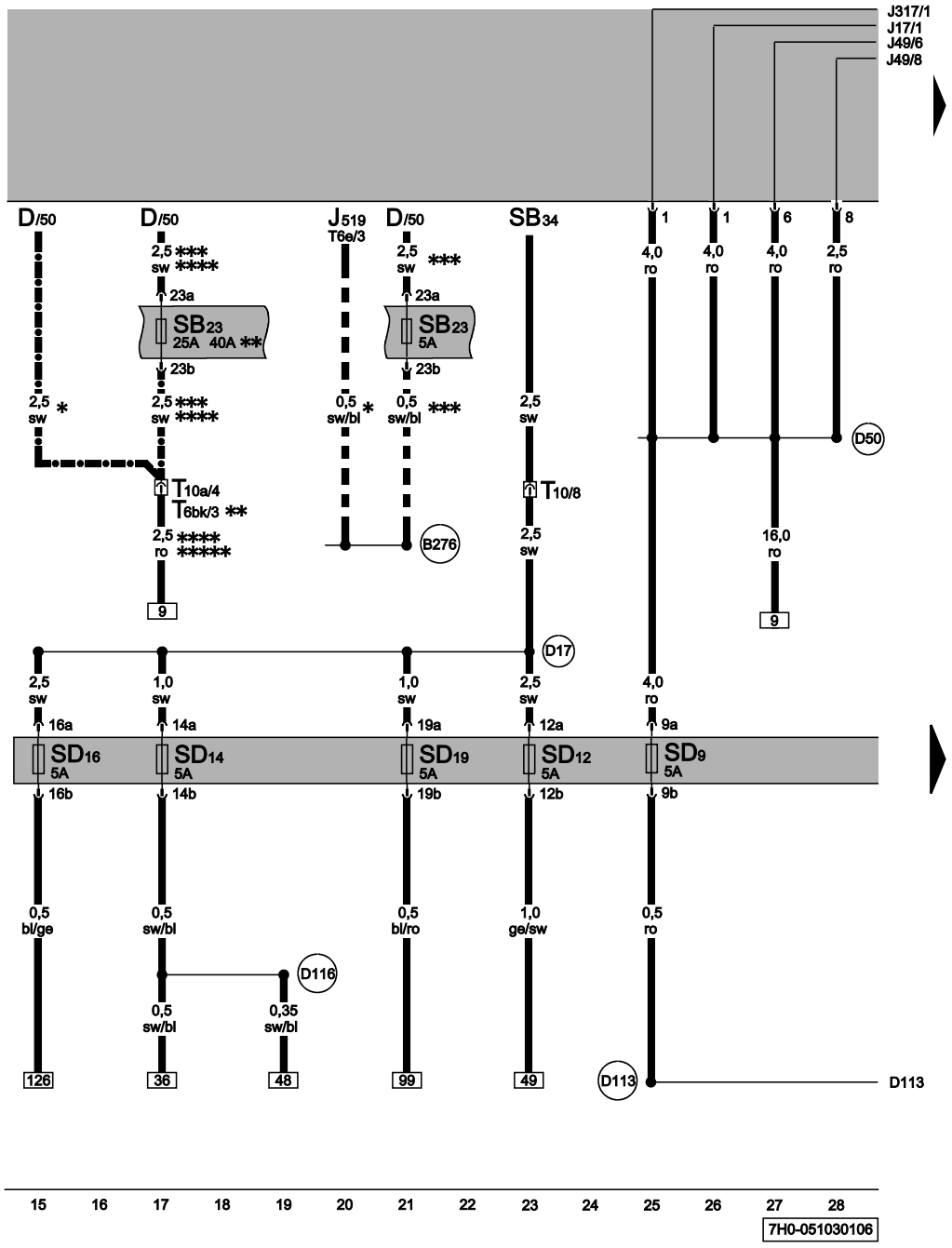
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Starter, battery, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	Cross-section 4.0 possible
**	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
***	fuse rating depends on equipment ⇒ Fitting Locations
****	applicable from June 2004
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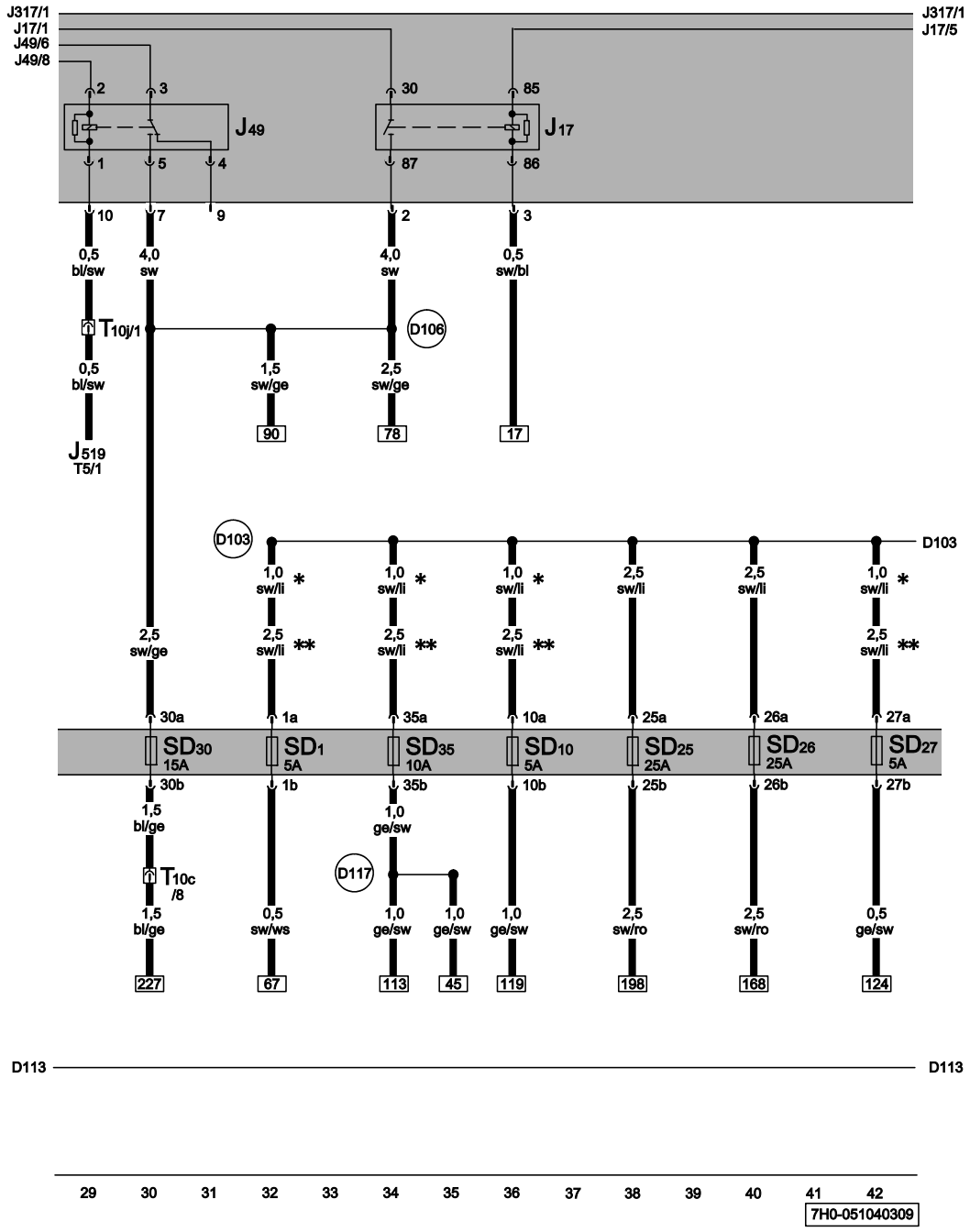
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Fuses

D	Ignition/starter switch
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD9	Fuse 9 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
T6e	6-pin connector, red
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
B276	Positive connection (50), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	applicable up to January 2004
**	depends on equipment
***	applicable from February 2004
****	Cross-section 4.0 possible
*****	for models with manual gearbox only
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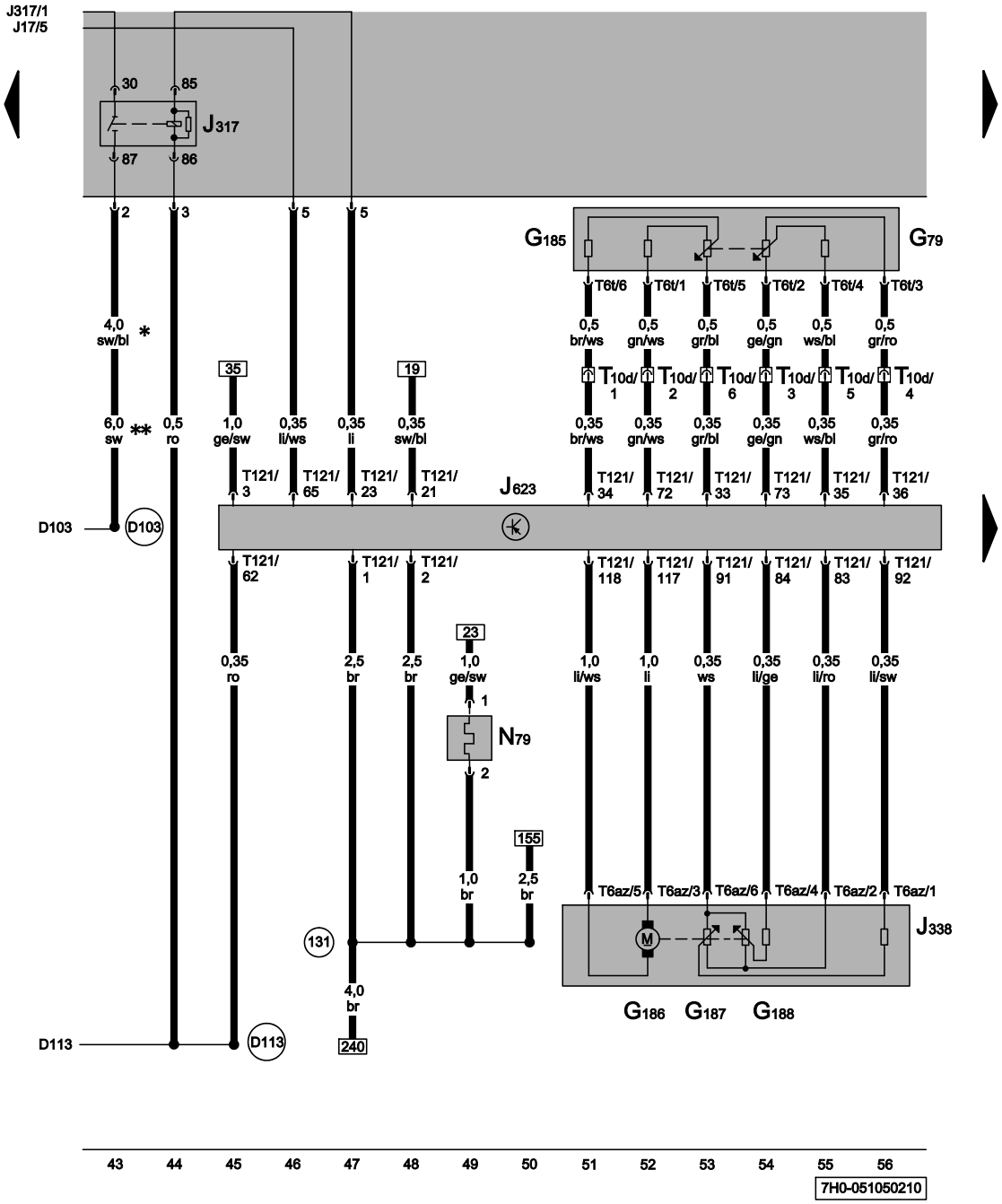
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Fuses, fuel pump relay

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD25	Fuse 25 on fuse holder D
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD35	Fuse 35 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
*	applicable up to May 2004
**	applicable from June 2004

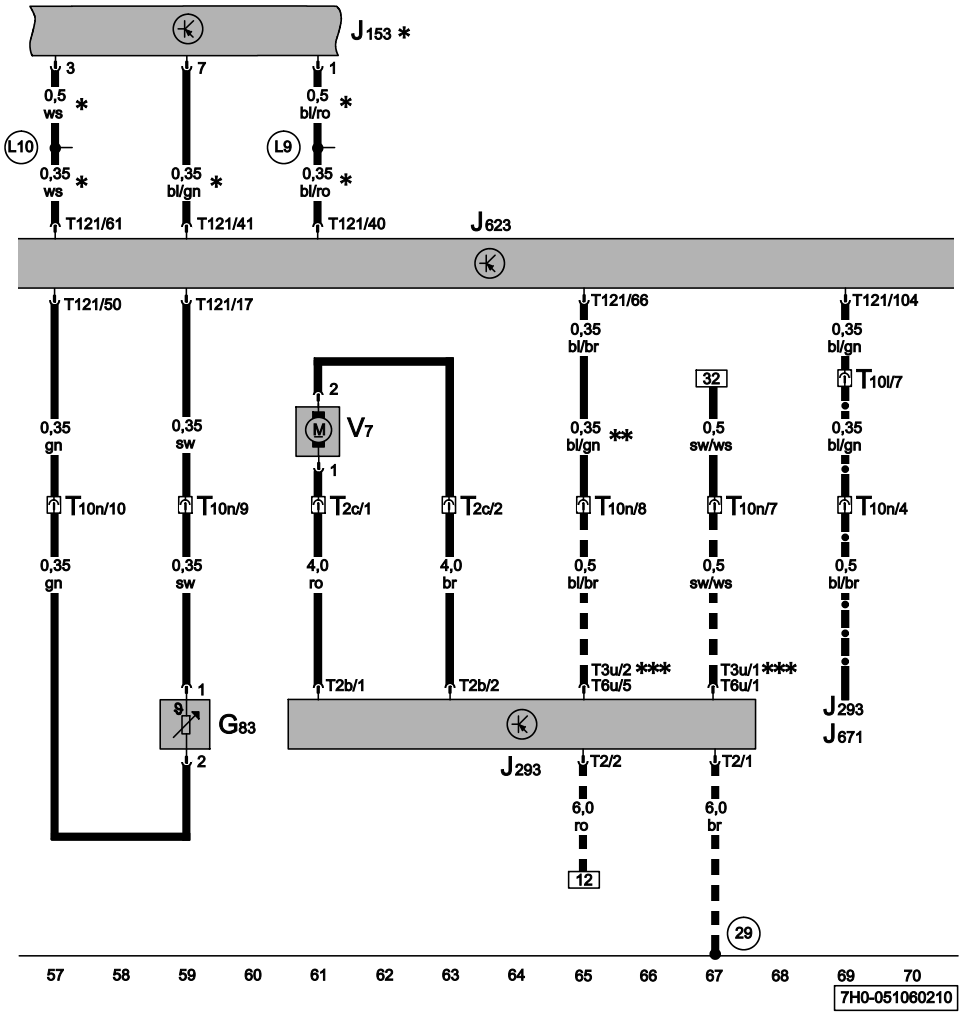
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Engine control unit, voltage supply relay, accelerator position sender, throttle valve module, heater element for crankcase breather

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J317	Terminal 30 voltage supply relay
J338	Throttle valve module
J623	Engine control unit
N79	Heater element for crankcase breather
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector
(131)	Earth connection 2, in engine compartment wiring harness
(D103)	Connection 3, in engine compartment wiring harness
(D113)	Connection 11, in engine compartment wiring harness
*	applicable up to May 2004
**	applicable from June 2004



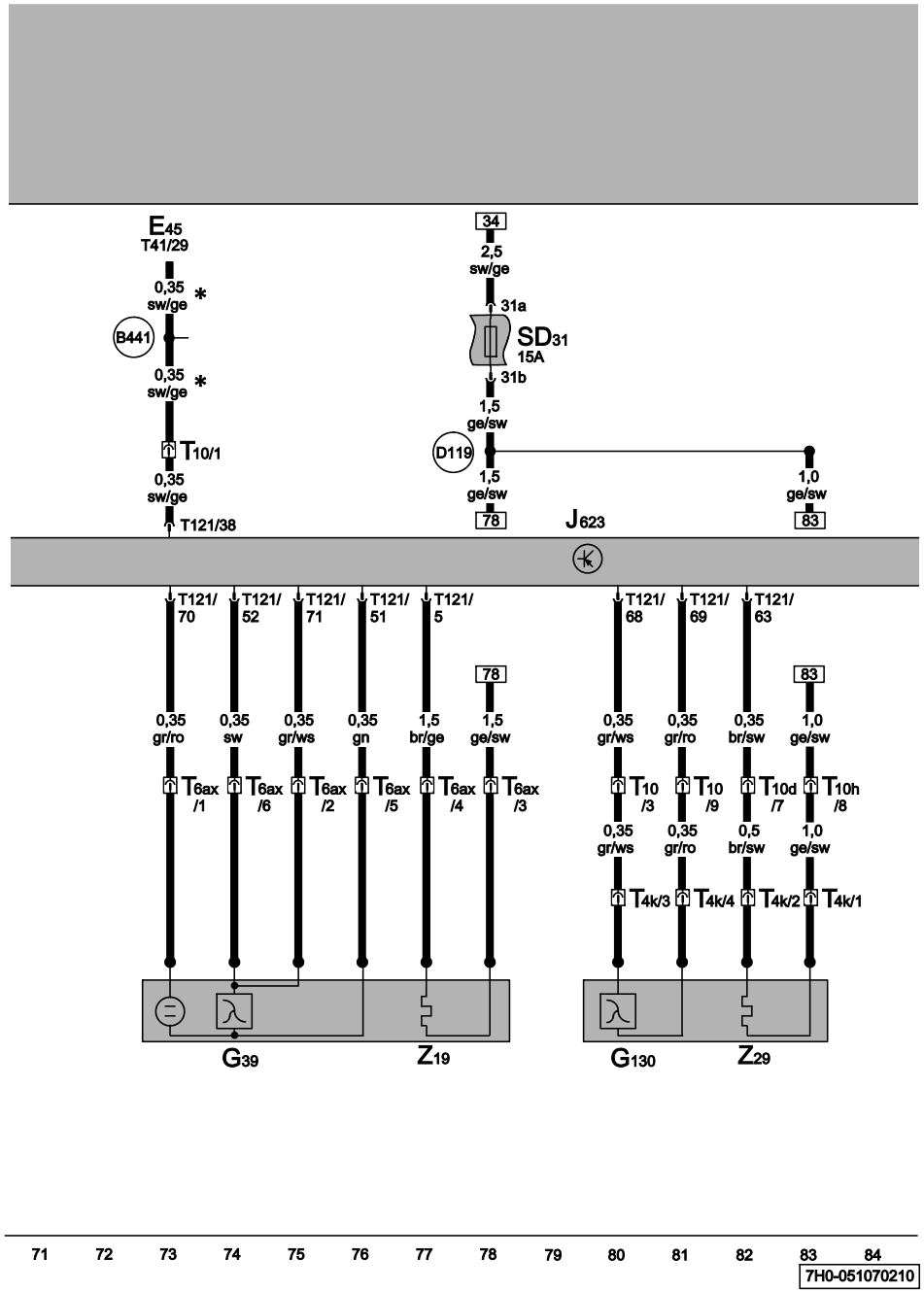
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Engine control unit, radiator outlet coolant temperature sender, magnetic clutch control unit, radiator fan

G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6u	6-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for radiator fan
**	applicable from January 2005
***	applicable from January 2006
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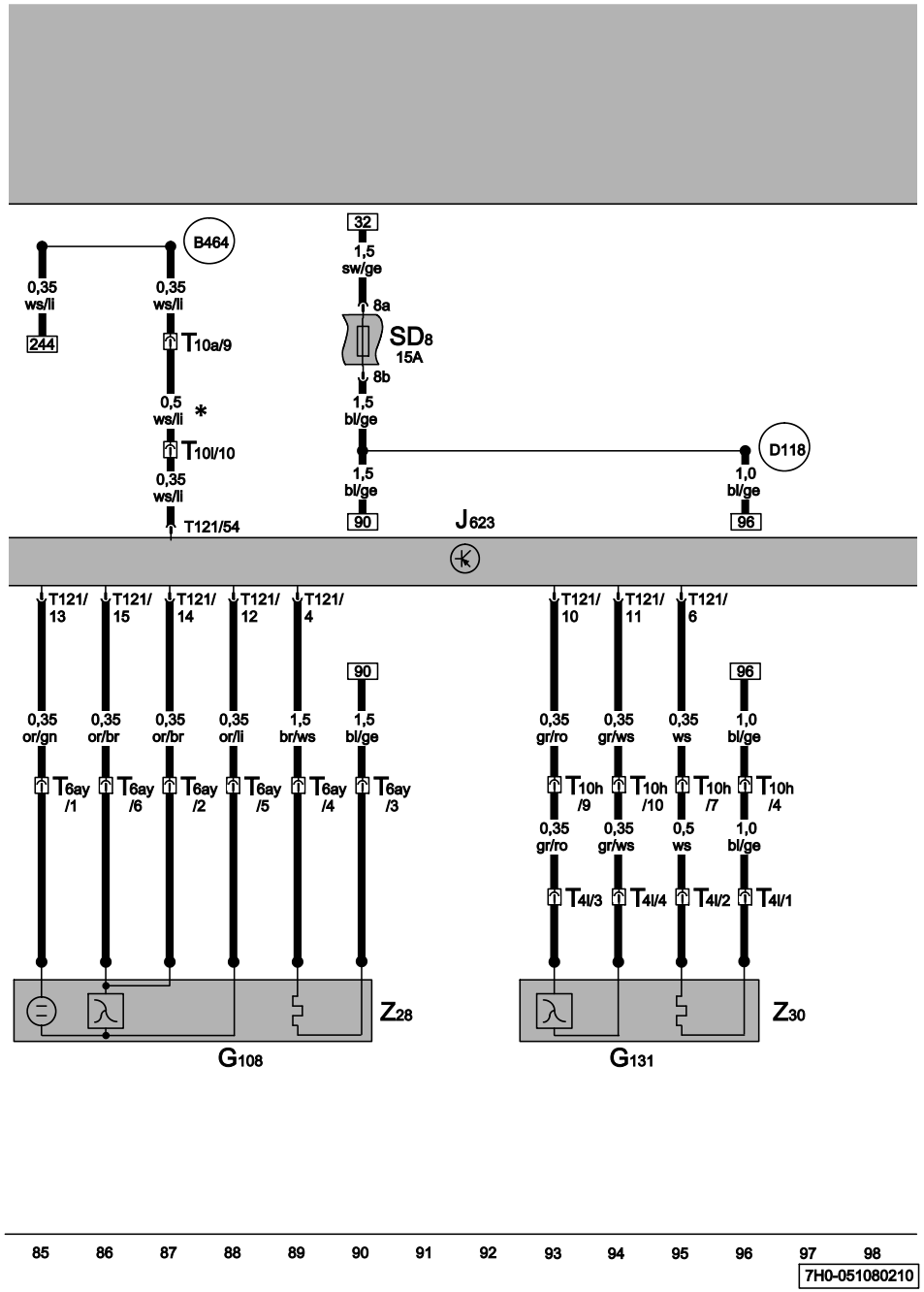
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Engine control unit, lambda probes

E45	Cruise control system switch
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black, on underbody, next to the auxiliary heater
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
B441	Connection (CCS), in main wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with cruise control system only

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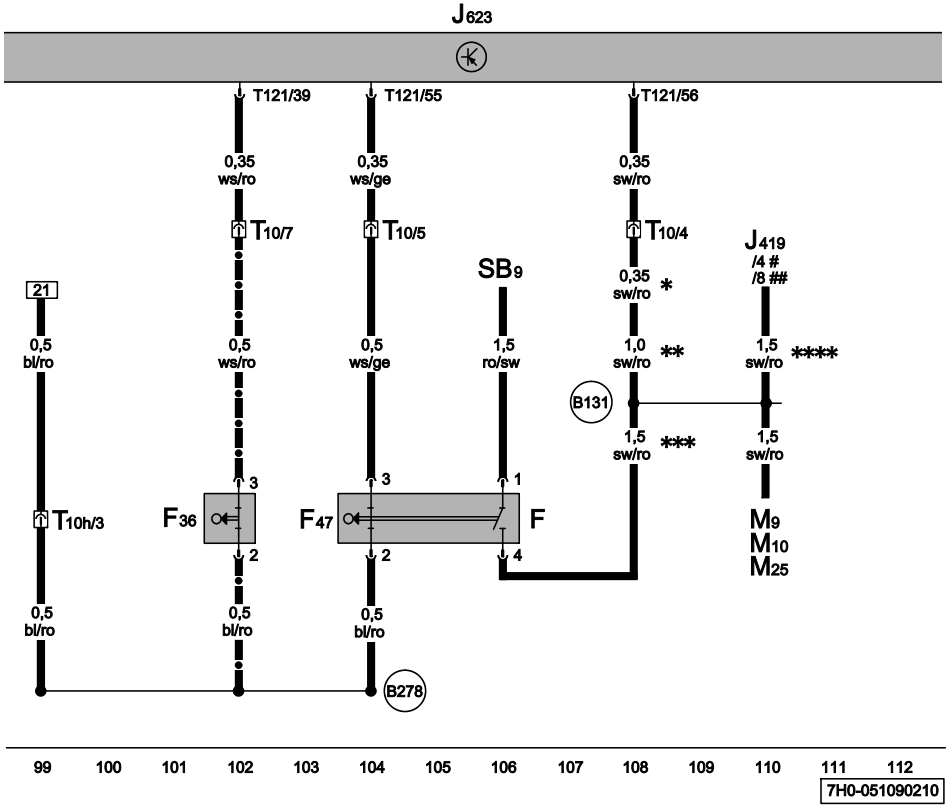


Engine control unit, lambda probes

G108	Lambda probe 2
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SD8	Fuse 8 on fuse holder D
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6ay	6-pin connector, brown, on left in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z28	Lambda probe 2 heater
Z30	Lambda probe 2 heater after catalytic converter
B464	Connection (speed signal), in main wiring harness
D118	Connection 16, in engine compartment wiring harness
*	for models with manual gearbox only

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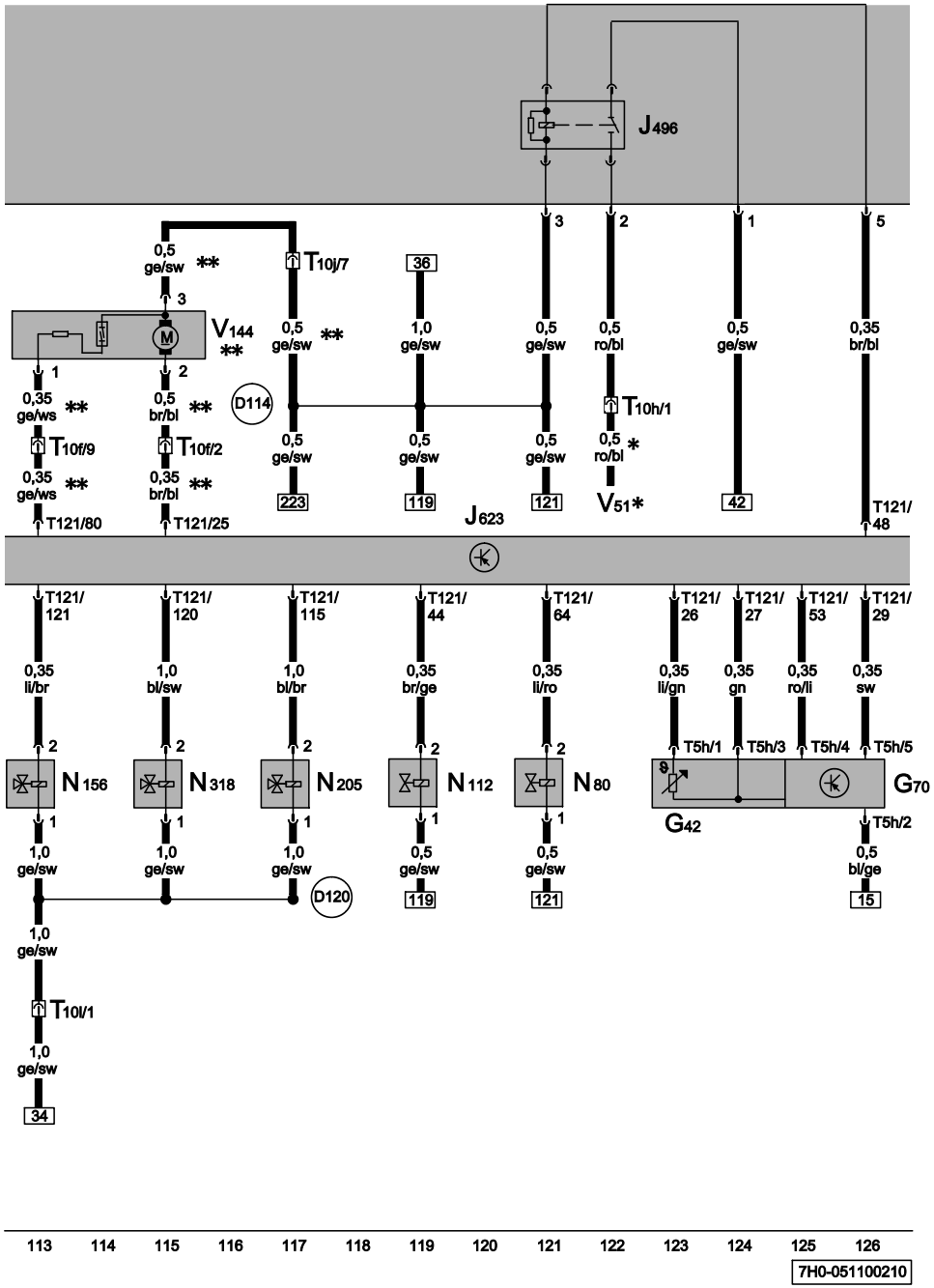




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li = purple
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rs = pink

Engine control unit, brake light switch, clutch pedal switch, brake light bulb

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	for models without ESP only
****	for models with ESP only
<fo:exter	for models with manual gearbox only
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#	only models with ESP and without serial trailer towing coupling
##	only models with ESP and serial trailer towing coupling



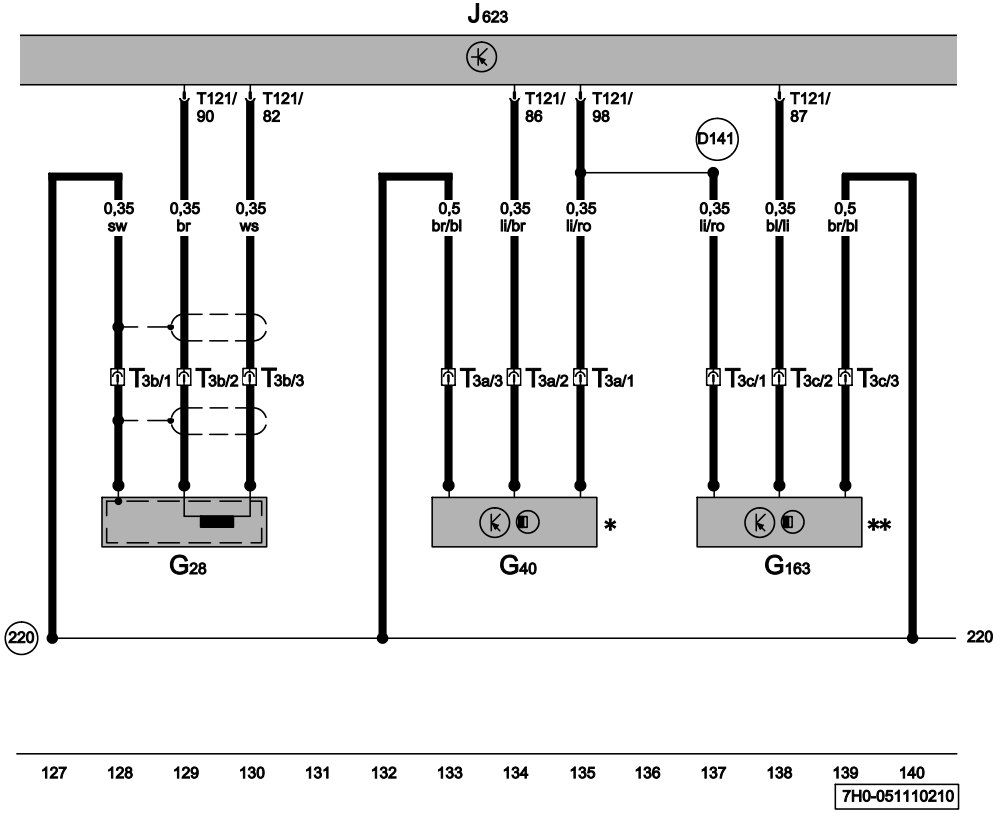
Intake air temperature sender, air mass meter, additional coolant pump relay, valves, continued coolant circulation pump, fuel system diagnostic pump

G42	Intake air temperature sender
G70	Air mass meter
J496	Additional coolant pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
T5h	5-pin connector, brown
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V51	Continued coolant circulation pump
V144	Fuel system diagnostic pump
D114	Connection 12, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram
**	for models with engine code BDM only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, engine speed sender, Hall sender

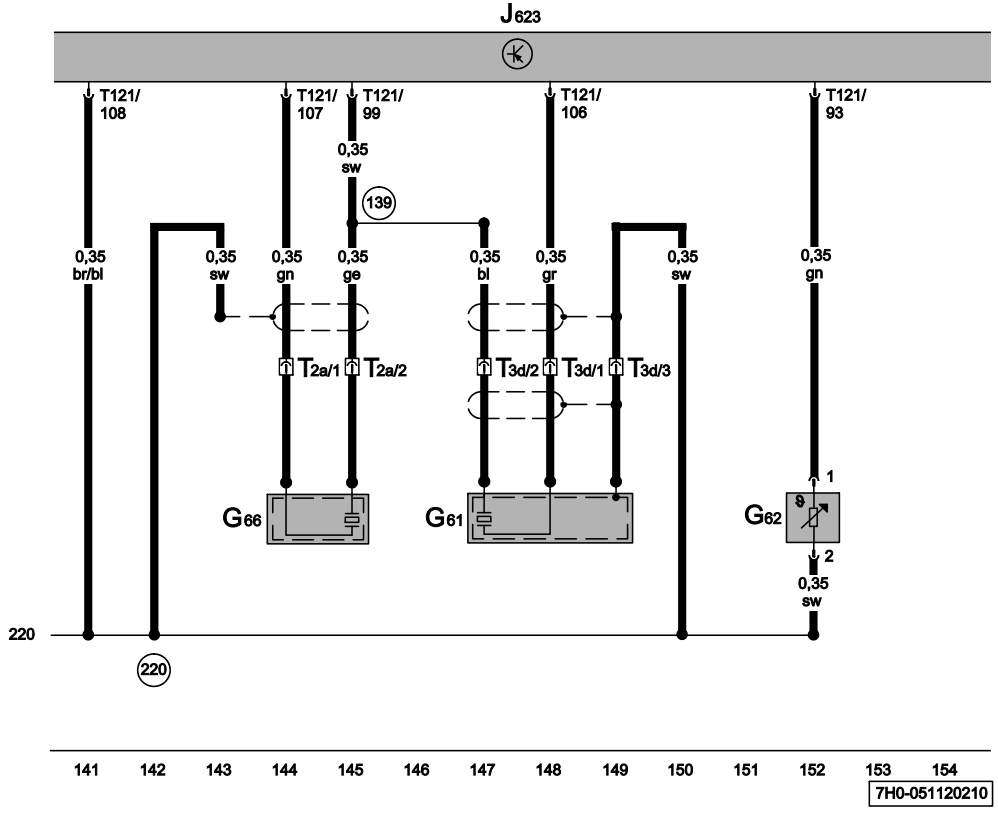
G28	Engine speed sender
G40	Hall sender
G163	Hall sender 2
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3c	3-pin connector, black, on front of engine
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine wiring harness
*	Camshaft sender - Inlet valves
**	Camshaft sender - Outlet valves



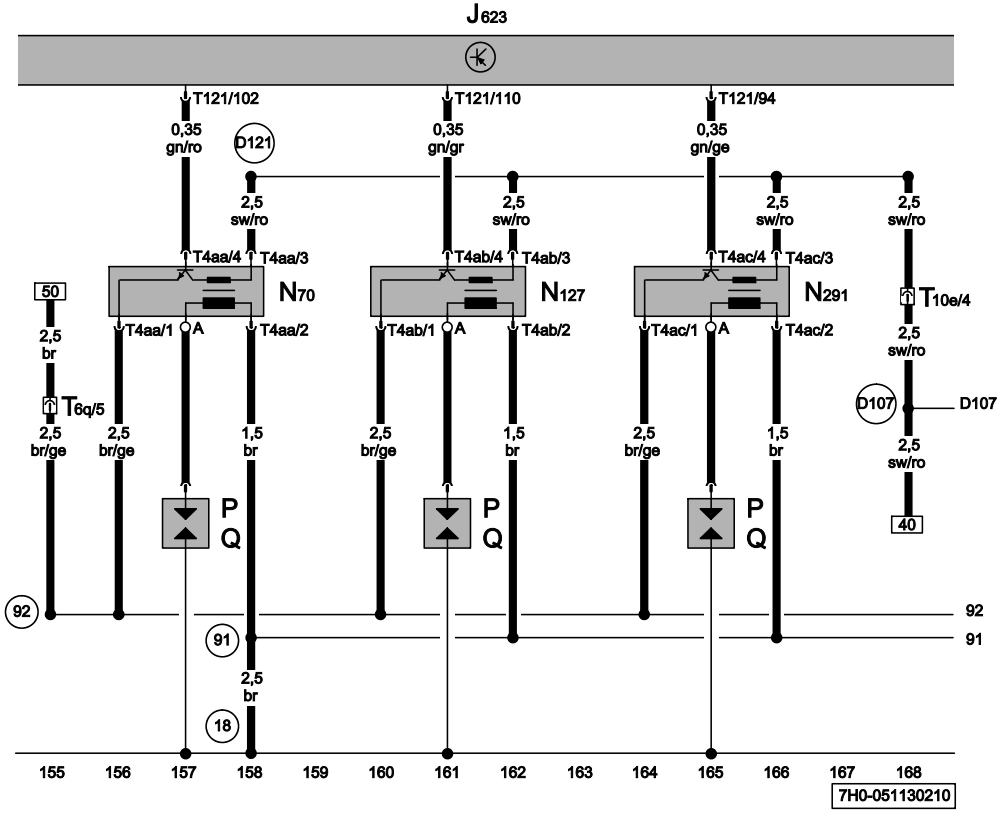
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ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, knock sensors, coolant temperature sender

G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3d	3-pin connector, black, on front of engine
T121	121-pin connector
139	Earth connection (sender earth), in Motronic wiring harness
220	Earth connection (sender earth), in engine wiring harness



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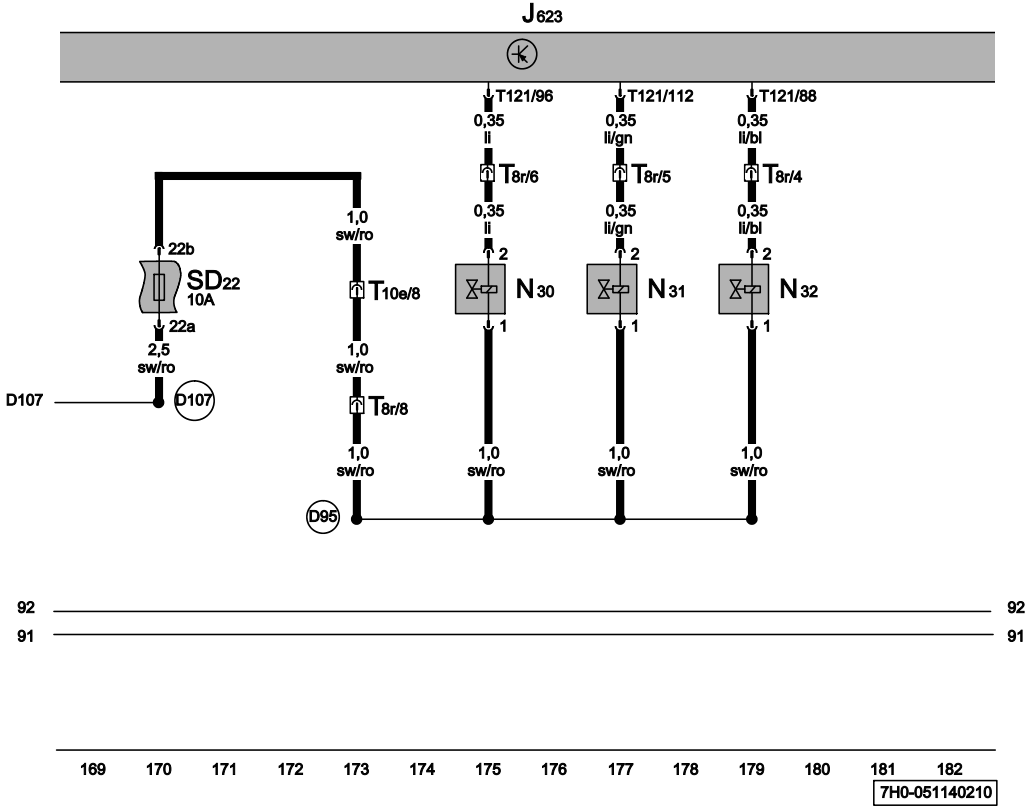
Engine control unit, ignition coils 1 up to 3

J623	Engine control unit
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
P	Spark plug connector
Q	Spark plugs
T4aa	4-pin connector
T4ab	4-pin connector
T4ac	4-pin connector
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
18	Earth point on engine block
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, injectors for cylinders 1 to 3, fuse

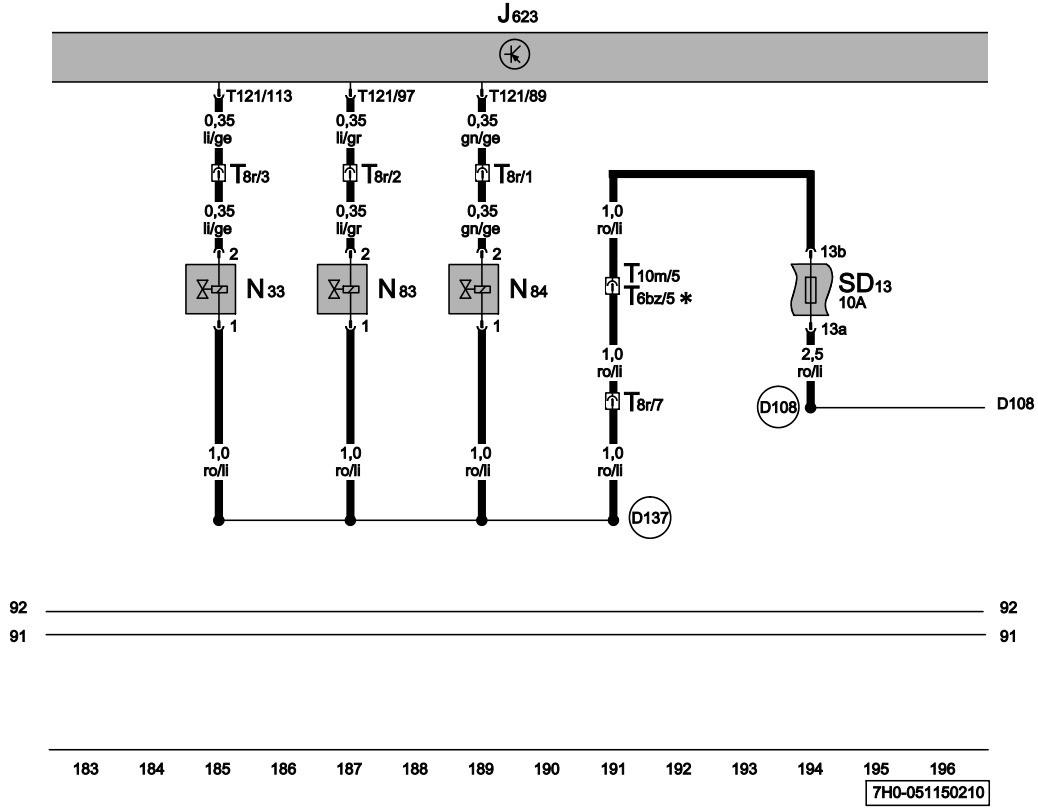
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
SD22	Fuse 22 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness



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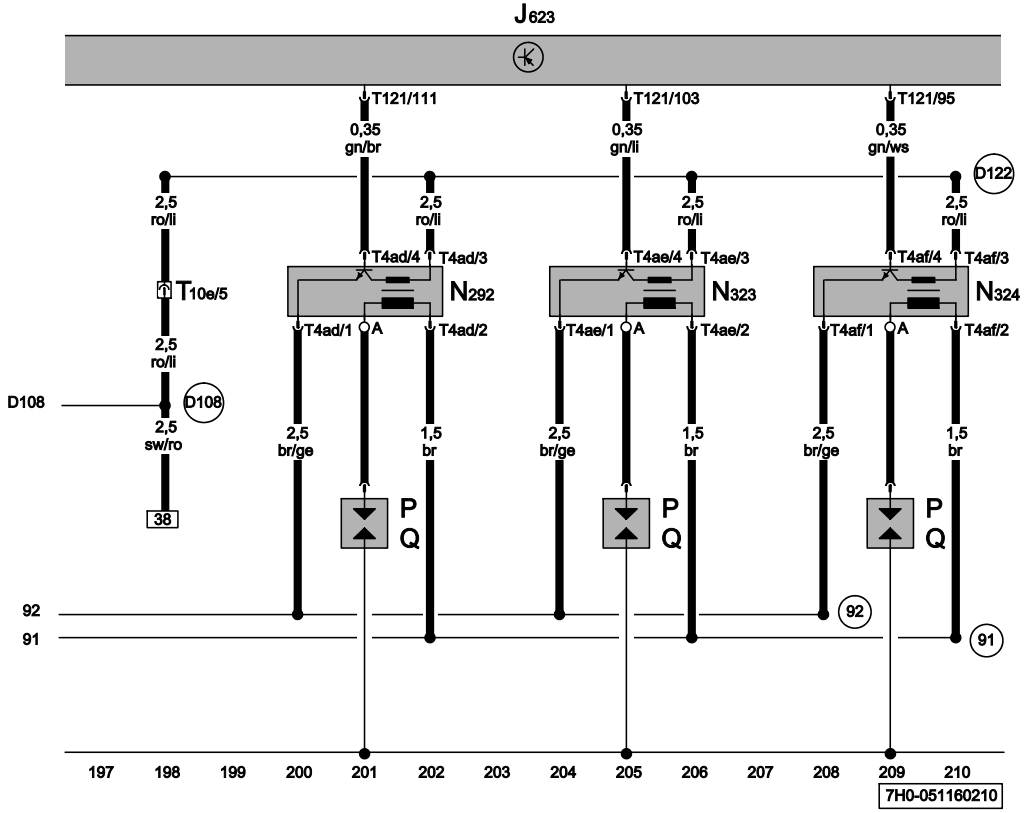
Engine control unit, injectors for cylinders 4 to 6, fuse

J623	Engine control unit
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
SD13	Fuse 13 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8r	8-pin connector, black, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T121	121-pin connector
D108	Connection 6, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	applicable from June 2004



ws	=	white
sw	=	black
ro	=	red
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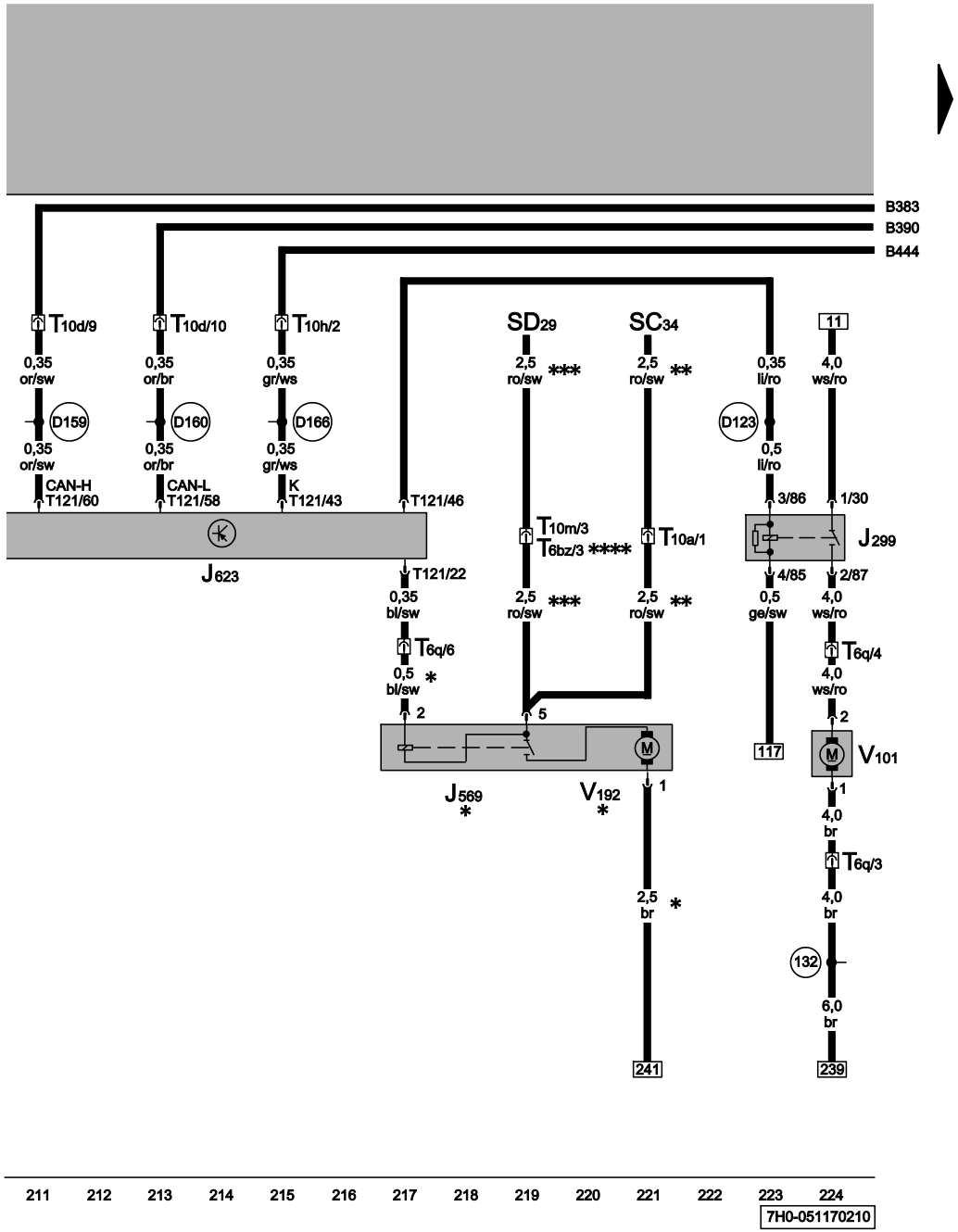




ws = white
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ro = red
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gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, ignition coils 4 up to 6

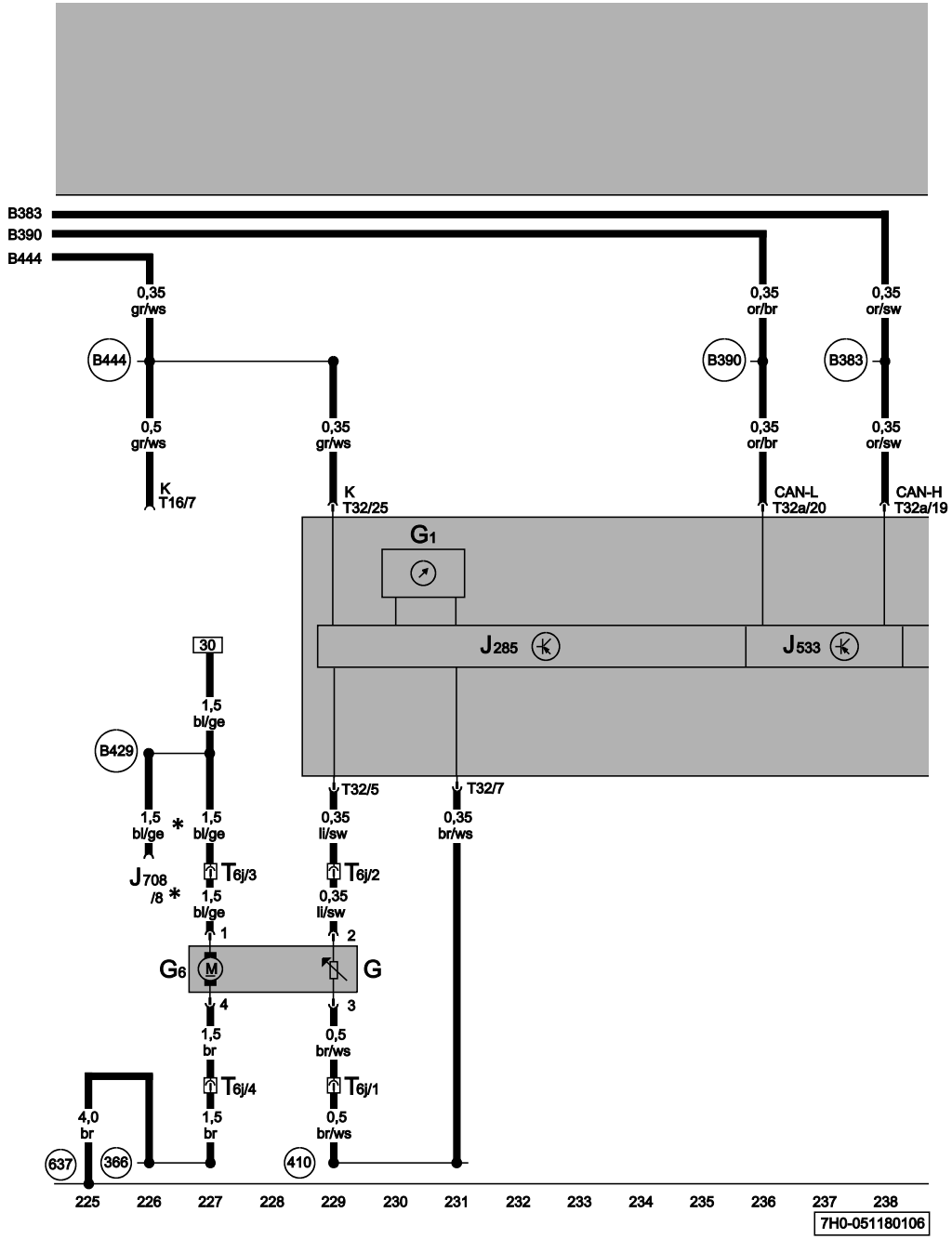
J623	Engine control unit
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T4ad	4-pin connector
T4ae	4-pin connector
T4af	4-pin connector
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness



ws = white
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Engine control unit, secondary air pump motor, vacuum pump for brakes

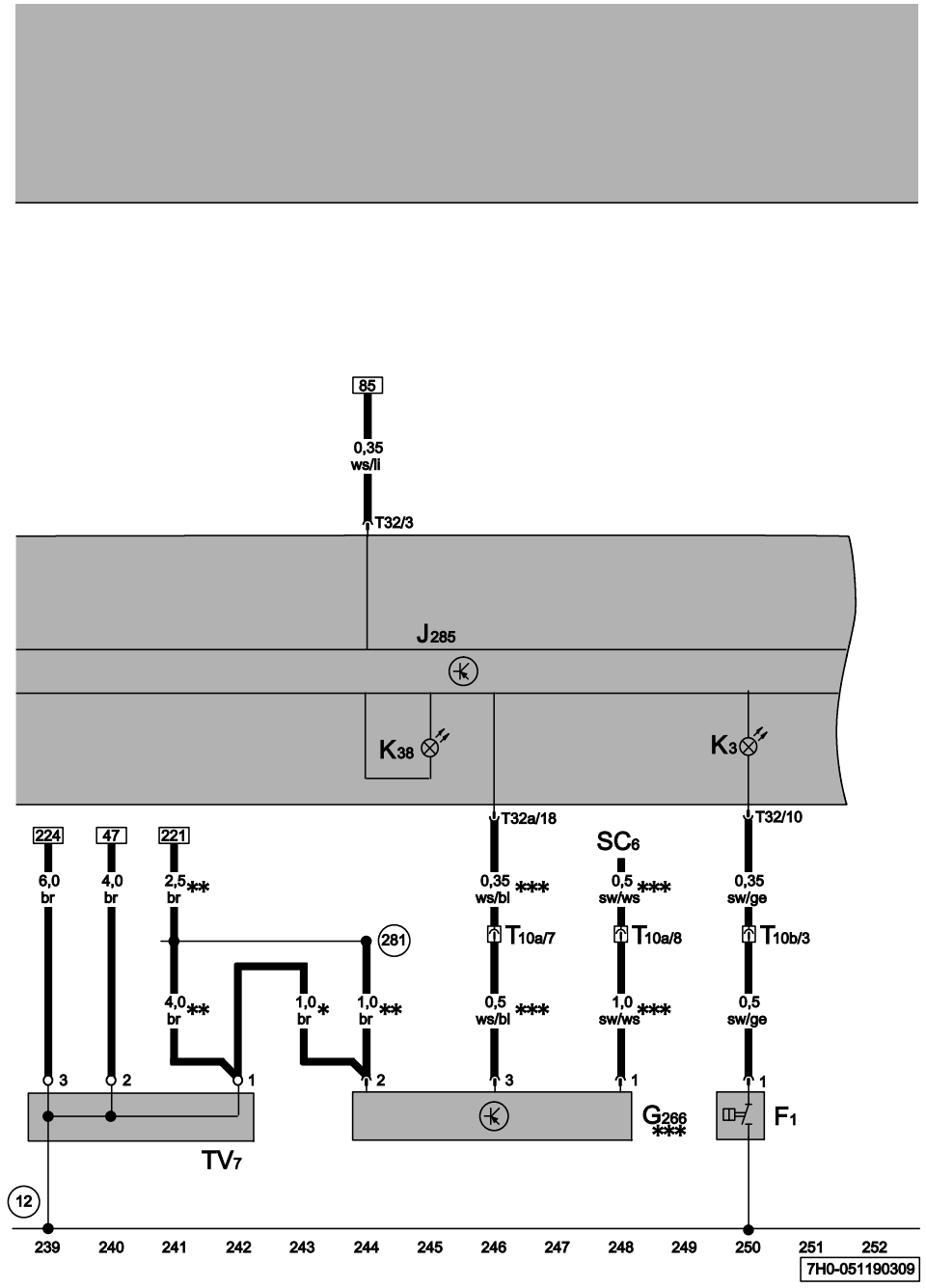
J299	Secondary air pump relay
J569	Brake servo relay
J623	Engine control unit
SC34	Fuse 34 on fuse holder C
SD29	Fuse 29 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
V192	Vacuum pump for brakes
132	Earth connection 3, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
*	for models with automatic gearbox only
**	for models with automatic gearbox only, applicable up to January 2004
***	for models with automatic gearbox only, applicable from February 2004
****	applicable from June 2004



ws = white
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rs = pink

Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram



Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with manual gearbox only
**	for models with automatic gearbox only
***	for models with extended servicing intervals only

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rs	=	pink

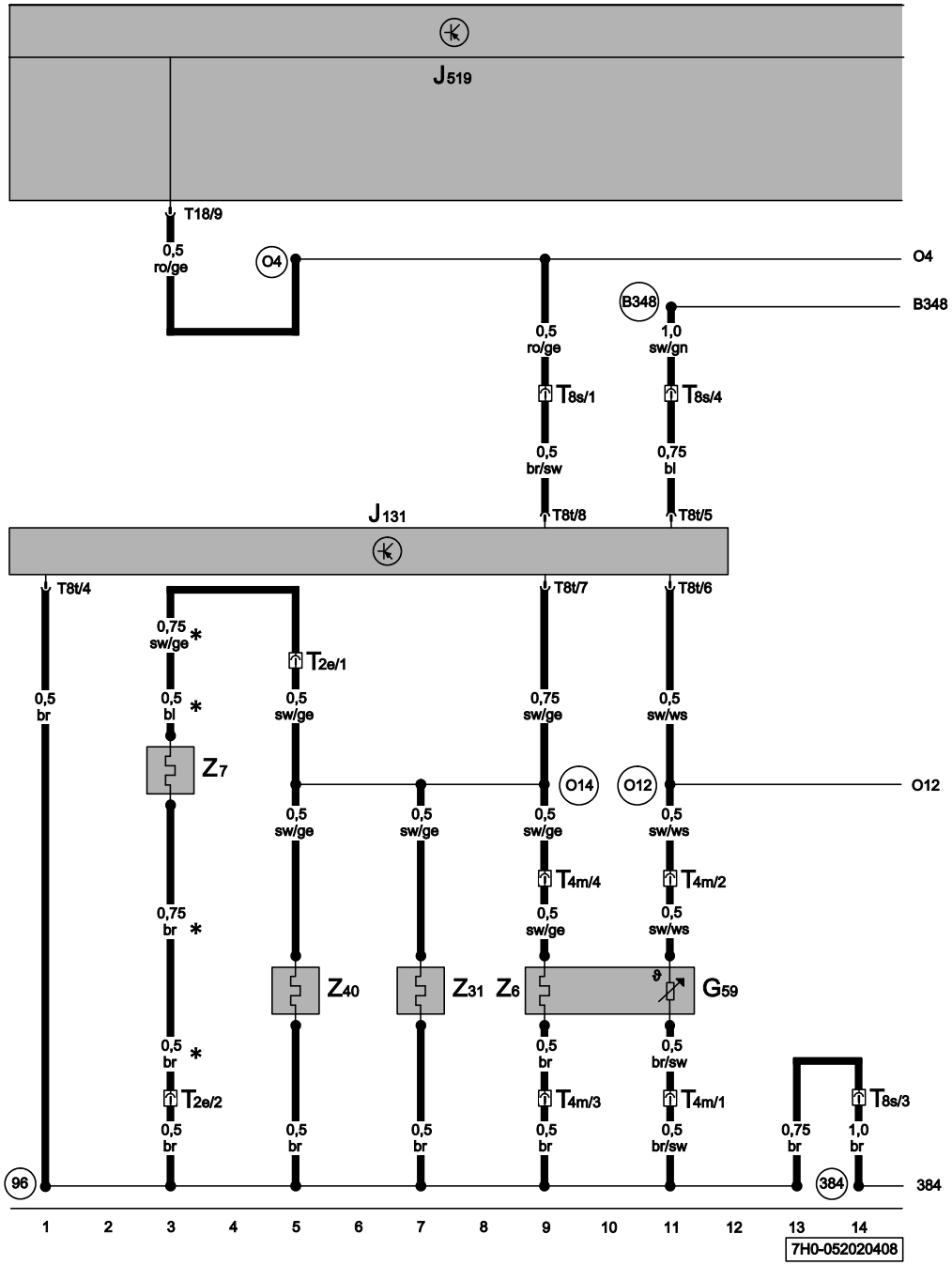
Seat heating

⇒ **Seat with leather cover**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

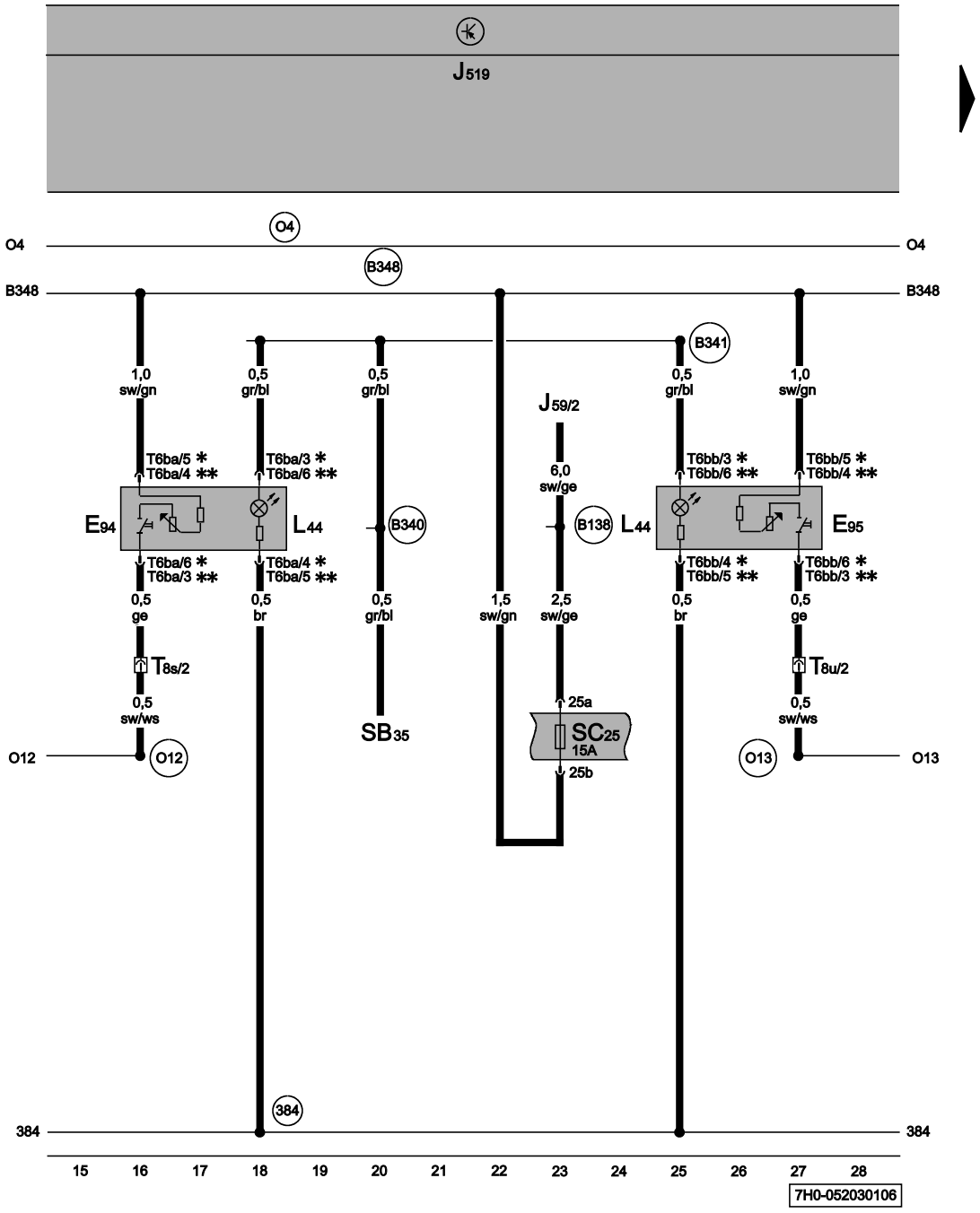
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heated driver seat control unit, heated driver seat, driver seat temperature sensor

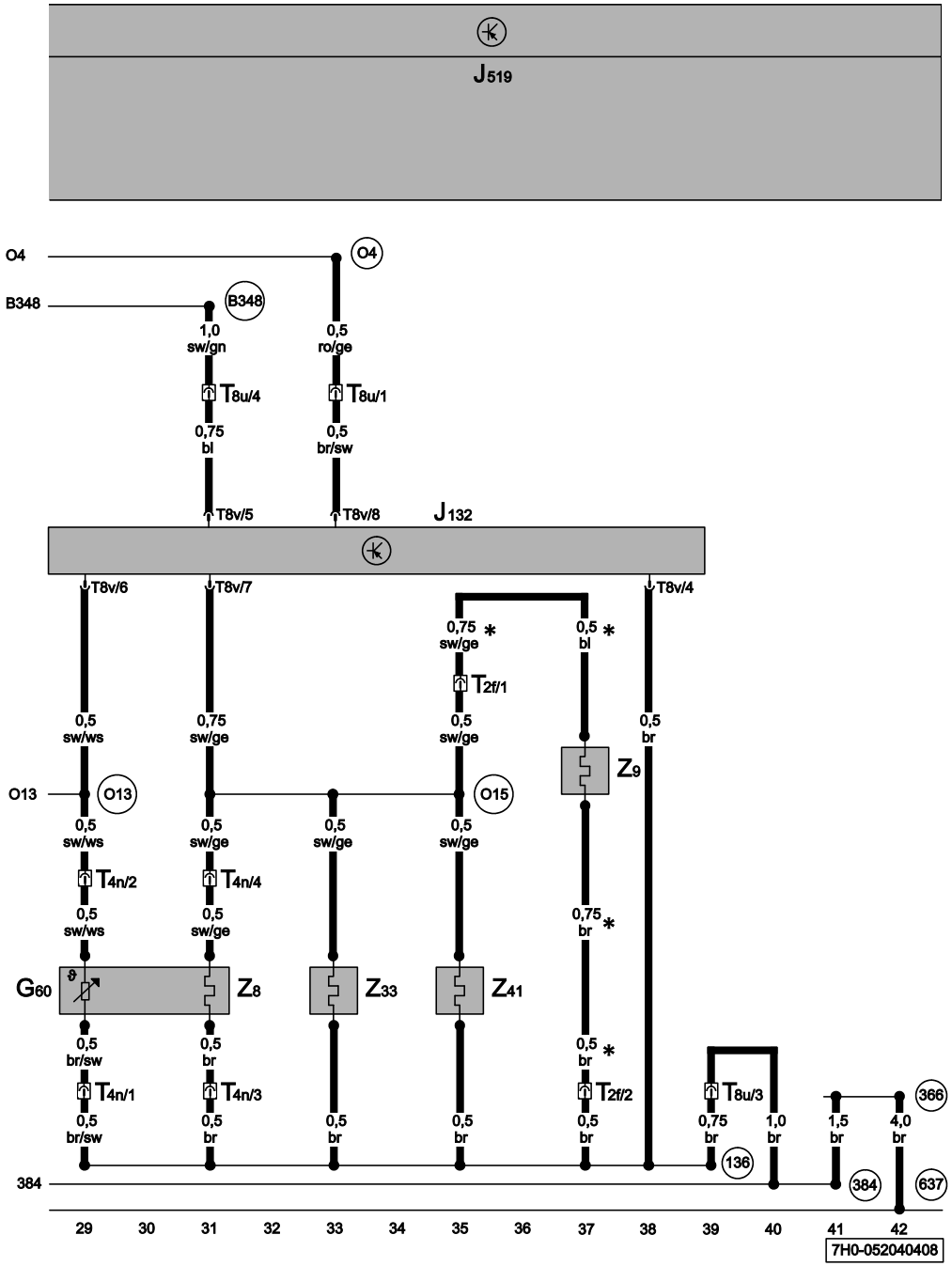
G59	Driver seat temperature sensor
J131	Heated driver seat control unit
J519	Onboard supply control unit
T2e	2-pin connector, black, in driver seat
T4m	4-pin connector, black, in driver seat
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T18	18-pin connector, black
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
Z31	Driver seat cushion lateral support heater
Z40	Driver seat lateral support heater 2
96	Earth connection 1, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O12	Connection 1, in seat heating wiring harness
O14	Connection 3, in seat heating wiring harness
*	Depends on equipment



Heated front passenger seat regulator, heated front passenger seat regulator

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J519	Onboard supply control unit
L44	Seat heating switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8s	8-pin connector, black, under driver seat
T8u	8-pin connector, black, under front passenger seat
384	Earth connection 19, in main wiring harness
B138	Positive connection (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O12	Connection 1, in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness
*	for convenience-dash panel only
**	for standard-dash panel only

ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heated front passenger seat regulator, heated front passenger seat control unit, heated front passenger seat cushion, heated front passenger seat backrest, heated front passenger seat cushion, front passenger seat temperature sensor

G60	Front passenger seat temperature sensor
J132	Heated front passenger seat control unit
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T4n	4-pin connector, black, in front passenger seat
T8u	8-pin connector, black, under front passenger seat
T8v	8-pin connector
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
Z33	Front passenger seat lateral support heater
Z41	Front passenger seat lateral support heater 2
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
384	Earth connection 19, in main wiring harness
637	Earth point, airbag control unit
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness
O15	Connection 4, in seat heating wiring harness
*	Depends on equipment

Tail lights - plank bed

⇒ **Trailer operation**

from March 2003

Notes:

For information concerning

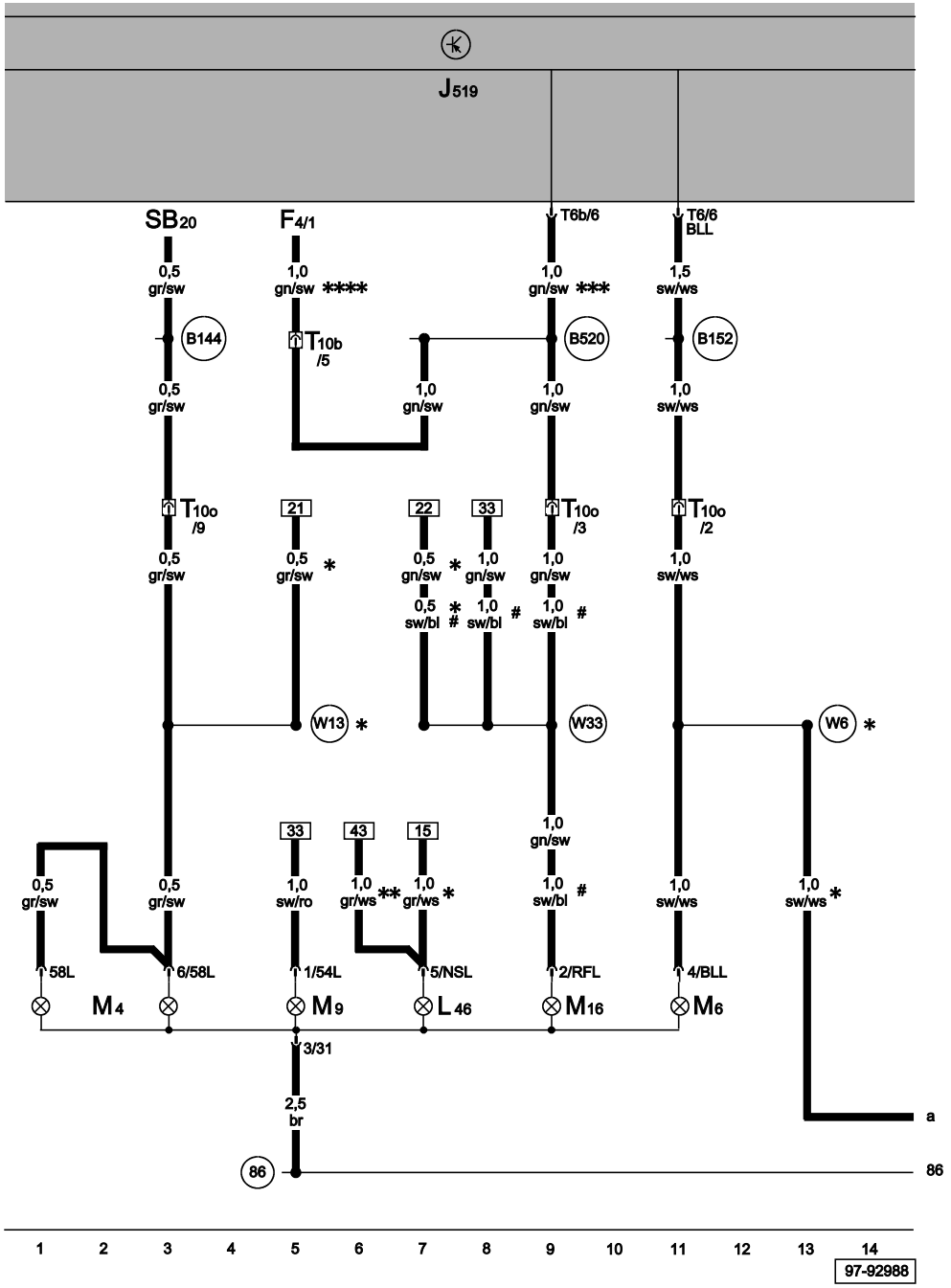
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

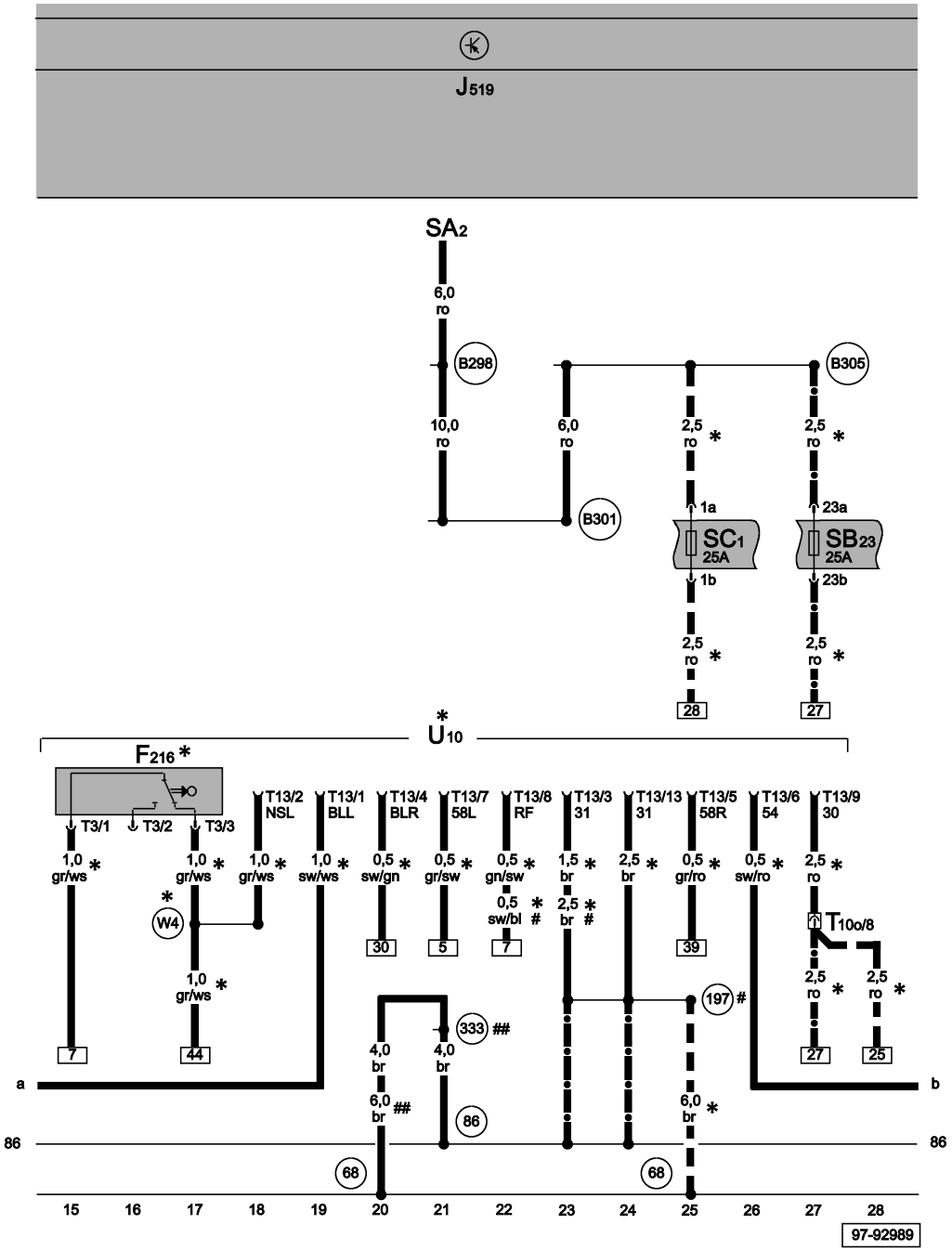
⇒ guided fault finding



ws = white
sw = black
ro = red
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gr = grey
li = purple
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Onboard supply control unit, left brake and tail light bulb, rear left fog light bulb, left reversing light bulb

F4	Reversing light switch
J519	Onboard supply control unit
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
L46	Rear left fog light bulb
SB20	Fuse 20 on fuse holder
T6	6-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Positive connection (RF), in interior main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with automatic gearbox only, signal output
****	for models with manual gearbox only
#	applicable from February 2004



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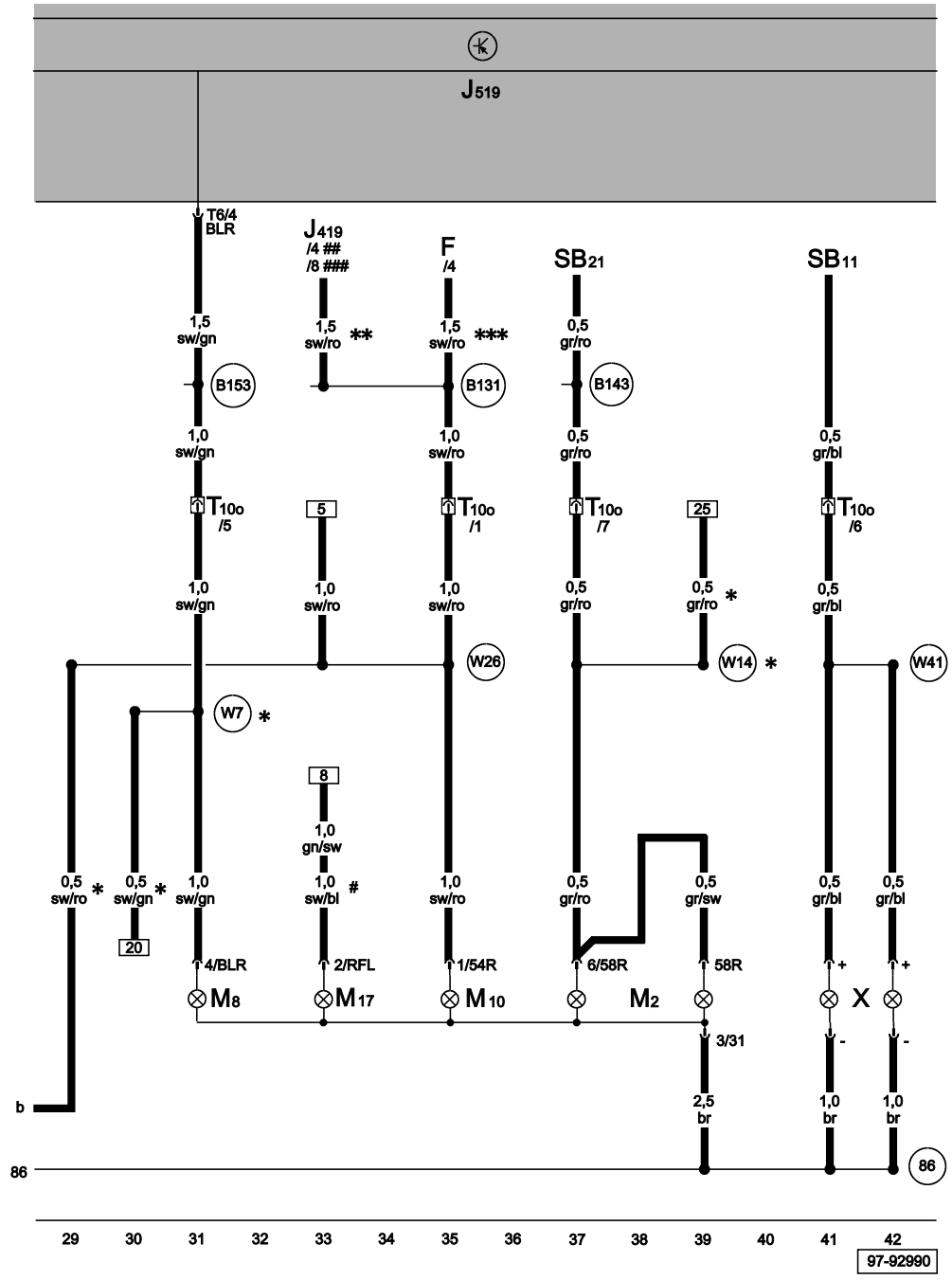
Trailer socket, rear fog light cut-out contact switch

F216	Rear fog light cut-out contact switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder on battery
SB23	Fuse 23 on fuse holder
SC1	Fuse 1 on fuse holder
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
U10	Trailer socket
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
197	Earth connection 4, in rear wiring harness
333	Earth connection 5, in rear wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection -9- (30), in main wiring harness
W4	Connection 1 (rear fog light), in rear wiring harness
*	for models with trailer socket only
#	applicable from February 2004
##	for models with 2nd heat exchanger only, from February 2004

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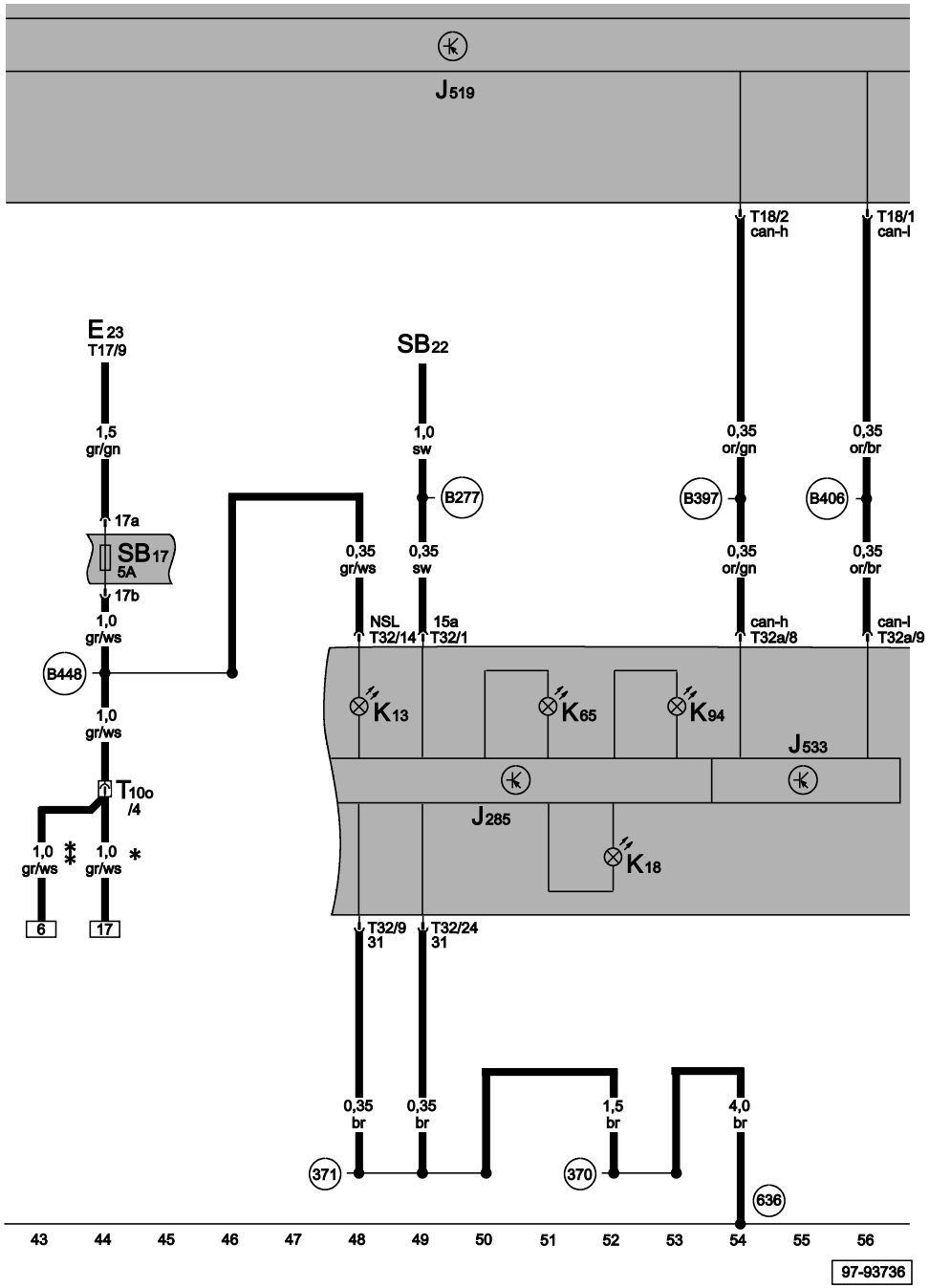
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left brake and tail light bulb, brake light switch, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
SB11	Fuse 11 on fuse holder
SB21	Fuse 21 on fuse holder
T6	6-pin connector, black
T10o	10-pin connector, light-green, coupling station under driver seat
X	Number plate light
86	Earth connection 1, in rear wiring harness
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail lights wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models with trailer socket only
**	for models with ESP only
***	for models without ESP only
#	applicable from February 2004
##	only models with ESP without serial trailer towing coupling
###	only models with ESP and serial trailer towing coupling



ws = white
sw = black
ro = red
br = brown
gn = green
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li = purple
ge = yellow
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Onboard supply control unit, control unit with display in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit with display in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder
SB22	Fuse 22 on fuse holder
T10o	10-pin connector, light-green, coupling station under driver seat
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection -5-, in main wiring harness
371	Earth connection -6-, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection -1- (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B448	Connection (rear fog light), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

Turn signal, roof

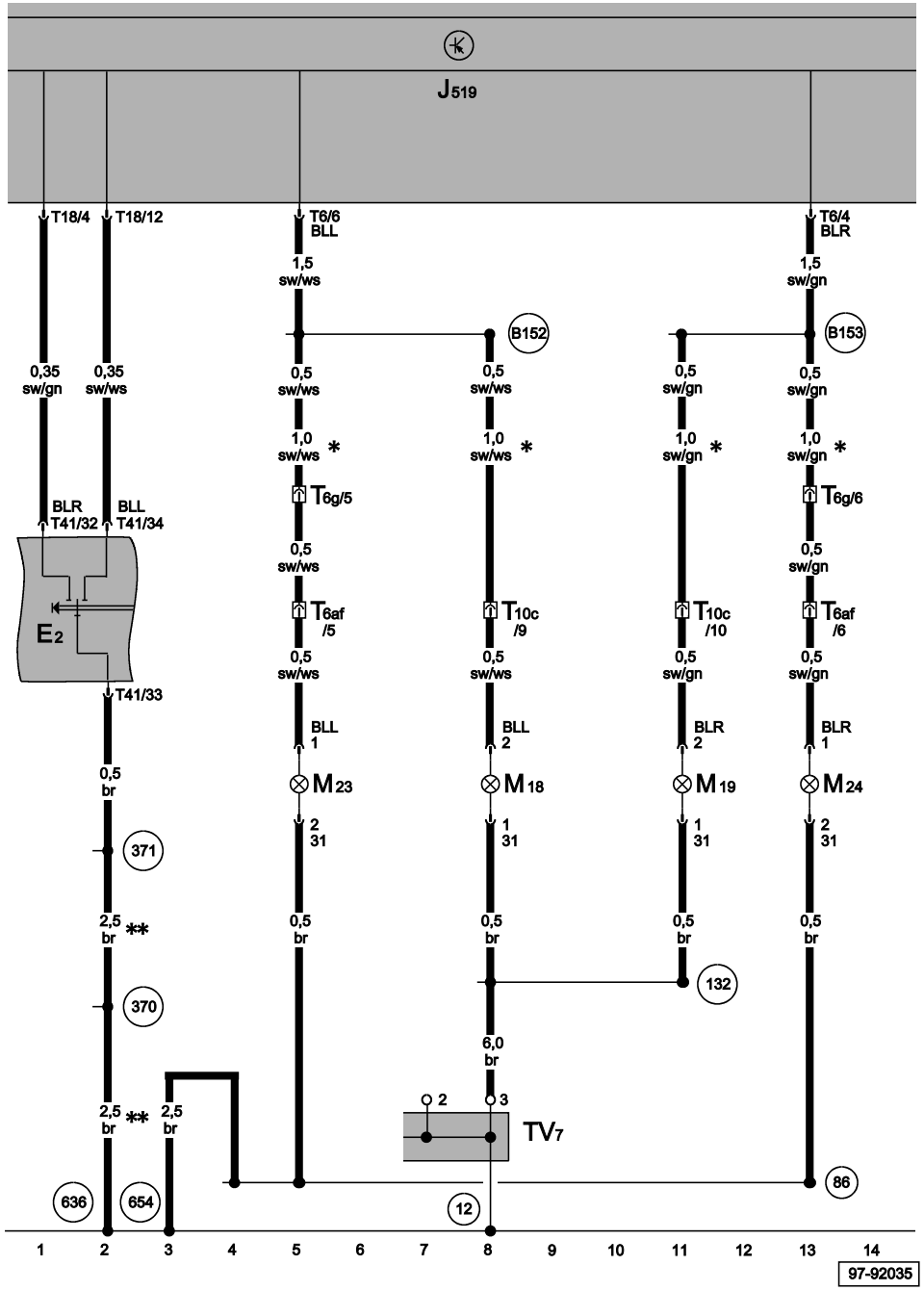
from March 2003

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth points

⇒ List of Fitting Locations!



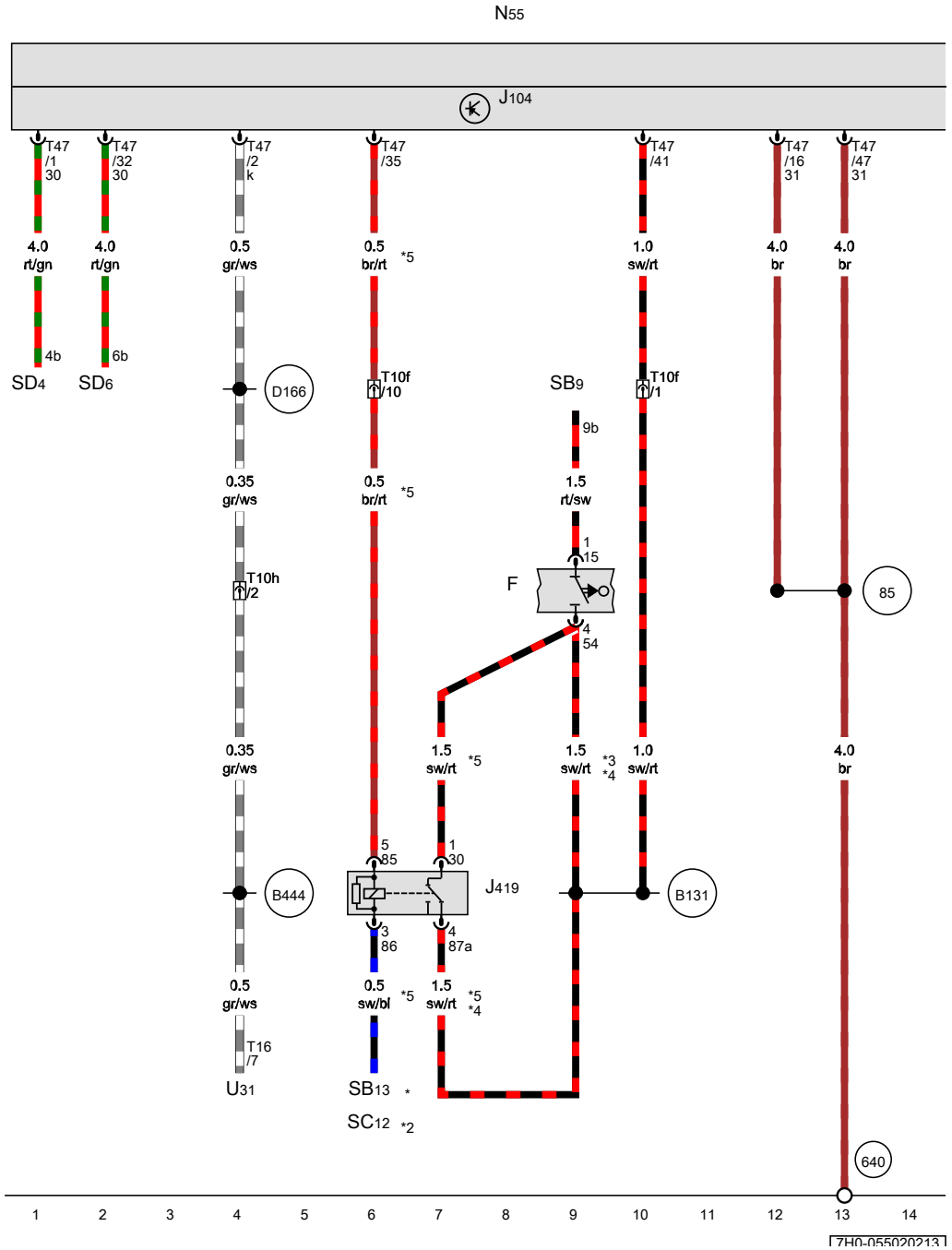
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, left and right side mounted turn signal bulb, left and right roof turn mounted signal bulb

E2	Turn signal switch
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
M23	Left roof turn mounted signal bulb
M24	Right roof mounted turn signal bulb
T6	6-pin connector, black
T6g	6-pin connector, brown, coupling station under driver seat
T6af	6-pin connector, dark brown, coupling station on left D-pillar
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
86	Earth connection 1, in rear wiring harness
132	Earth connection -3-, in engine compartment wiring harness
370	Earth connection -5-, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
654	Earth point, right D-pillar
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	applicable from March 2004
**	cross-section depends on equipment

Anti-lock brake system (ABS)

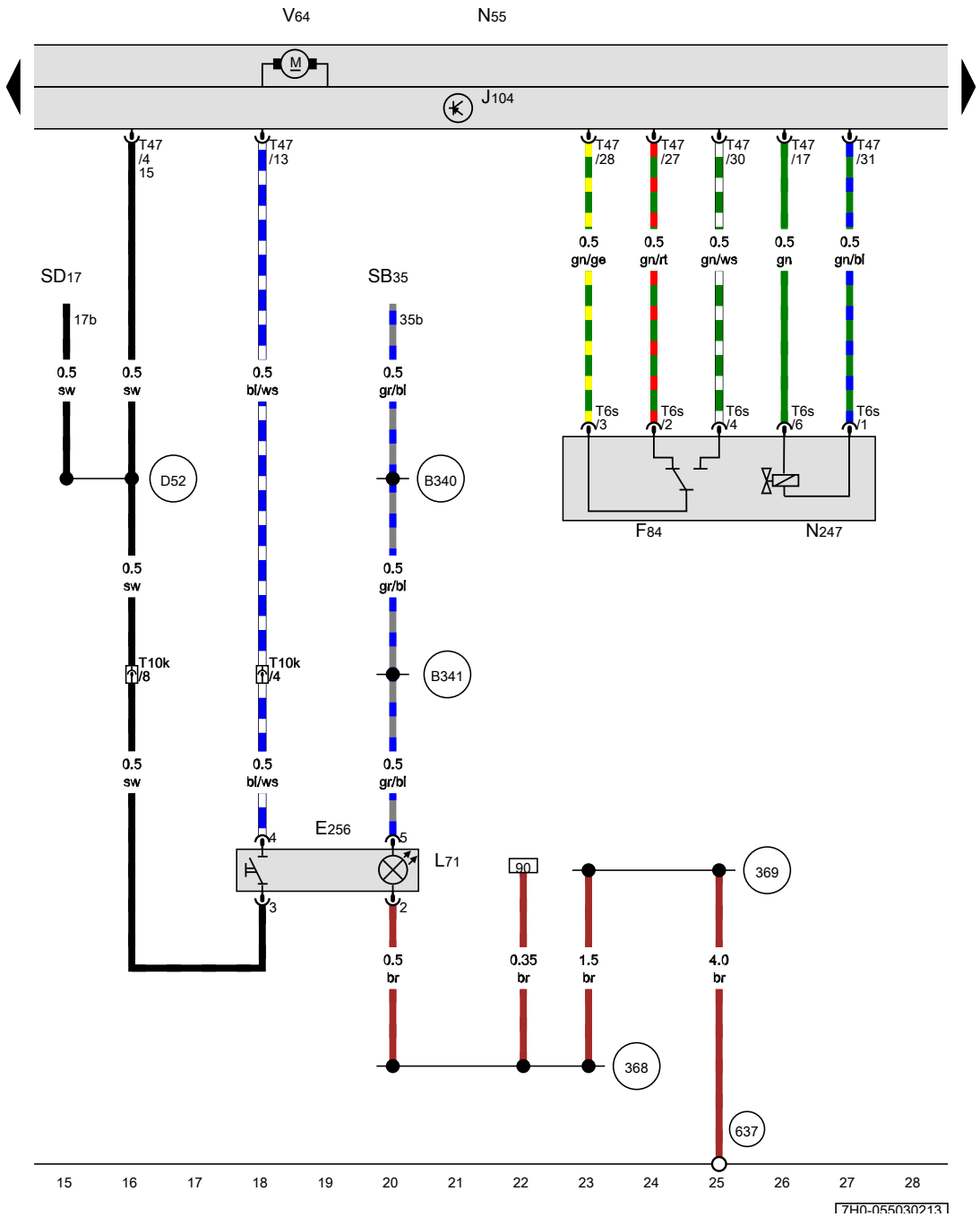
From June 2003



Brake light switch, ABS control unit, Brake light additional relay, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

F	Brake light switch
J104	ABS control unit
J419	Brake light additional relay
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
SC12	Fuse 12 on fuse holder C
SB13	Fuse 13 on fuse holder B
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Up to January 2004
*2	From February 2004
*3	Only models with traction control system (TCS)
*4	Only models with no electric interface
*5	Only models with electronic stabilisation program (ESP)

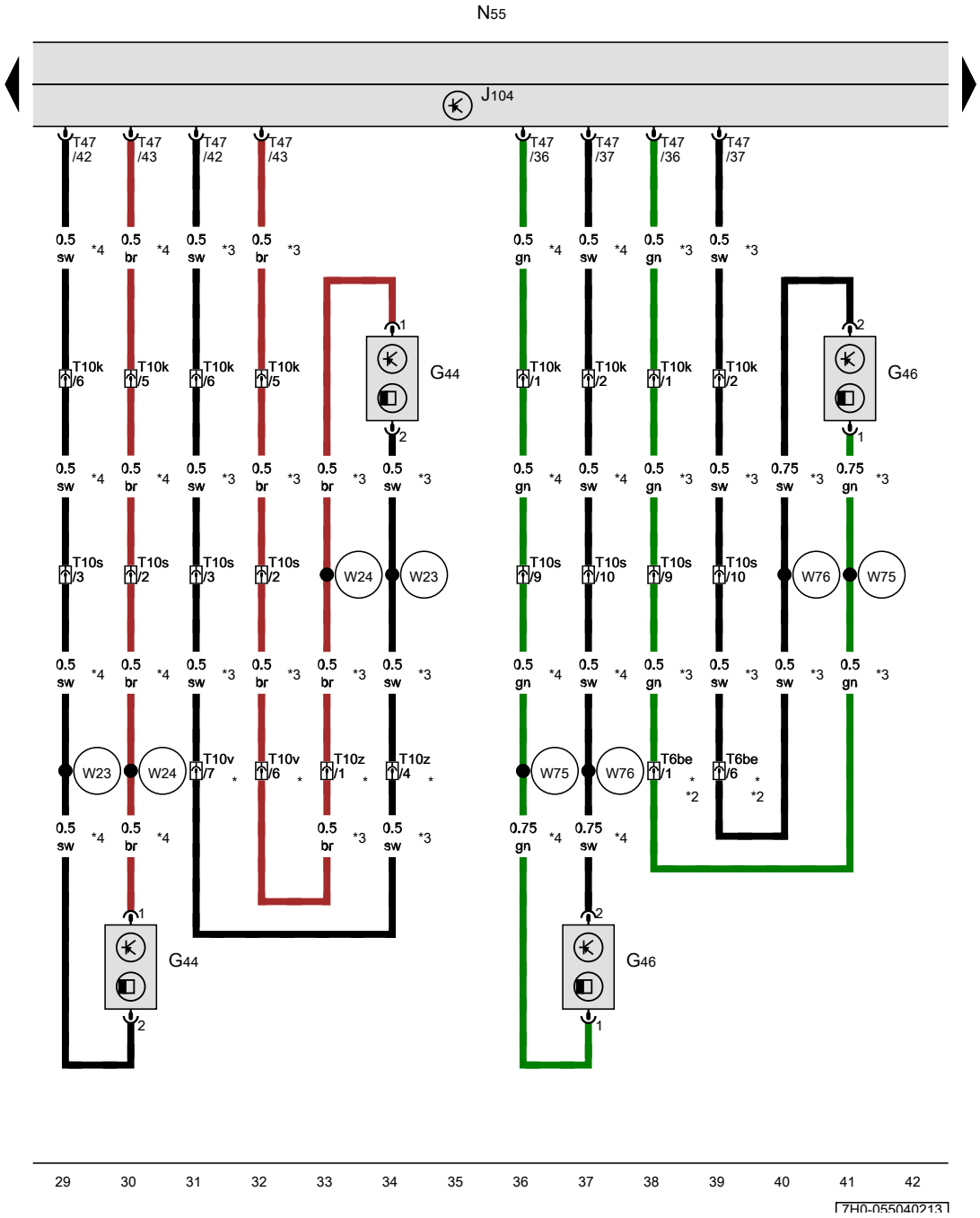
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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TCS and ESP button, Brake pressure solenoid trip switch, ABS control unit, ABS hydraulic unit, Brake pressure solenoid valve, ABS hydraulic pump

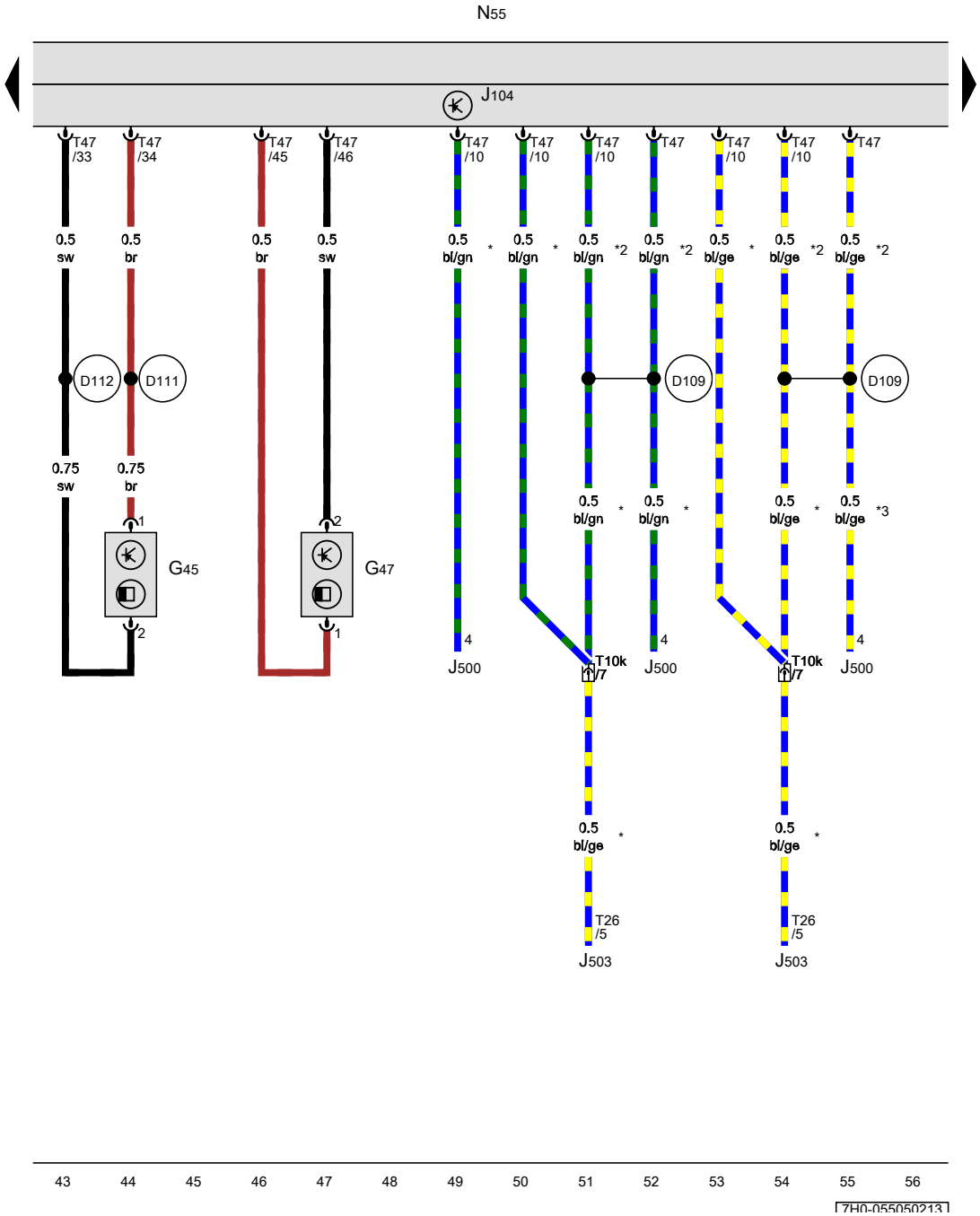
E256	TCS and ESP button
F84	Brake pressure solenoid trip switch
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
N247	Brake pressure solenoid valve
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T6s	6-pin connector
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness



Rear right speed sensor, Rear left speed sensor, ABS control unit, ABS hydraulic unit

G44	Rear right speed sensor
G46	Rear left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T6be	6-pin connector, grey, behind left D-pillar trim
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
T47	47-pin connector, black
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness
W75	Connection 3 (sensor), in rear wiring harness
W76	Connection 4 (sensor), in rear wiring harness
*	Up to January 2005
*2	Only models with no all-wheel drive
*3	Only Multivan, panel van or Kombi models
*4	Only models with double cab/ dropside

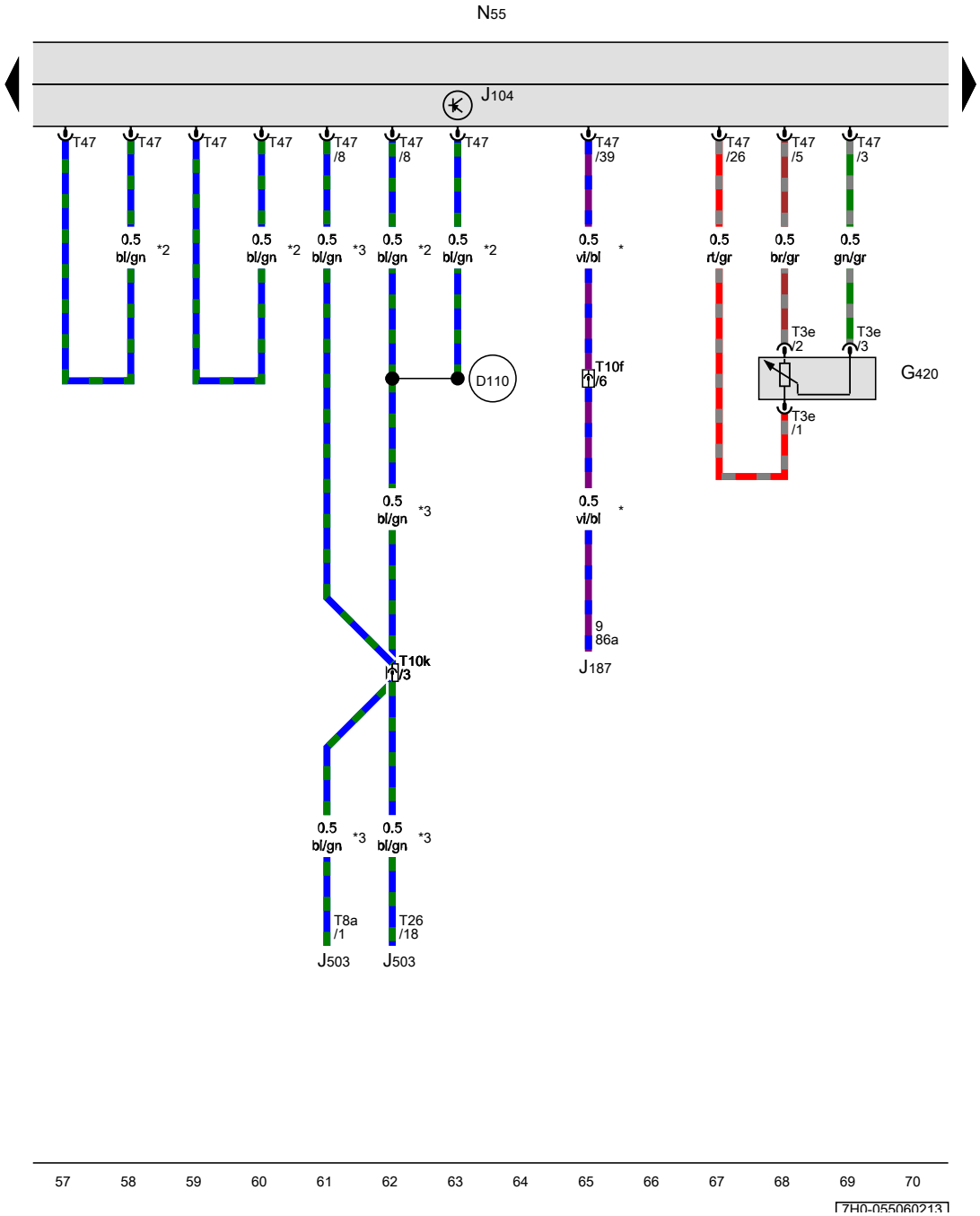
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Front right speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

G45	Front right speed sensor
G47	Front left speed sensor
J104	ABS control unit
J500	Power steering control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
*	According to equipment
*2	see fitting locations, ABS code table
*3	Only models with glow pin glow plugs

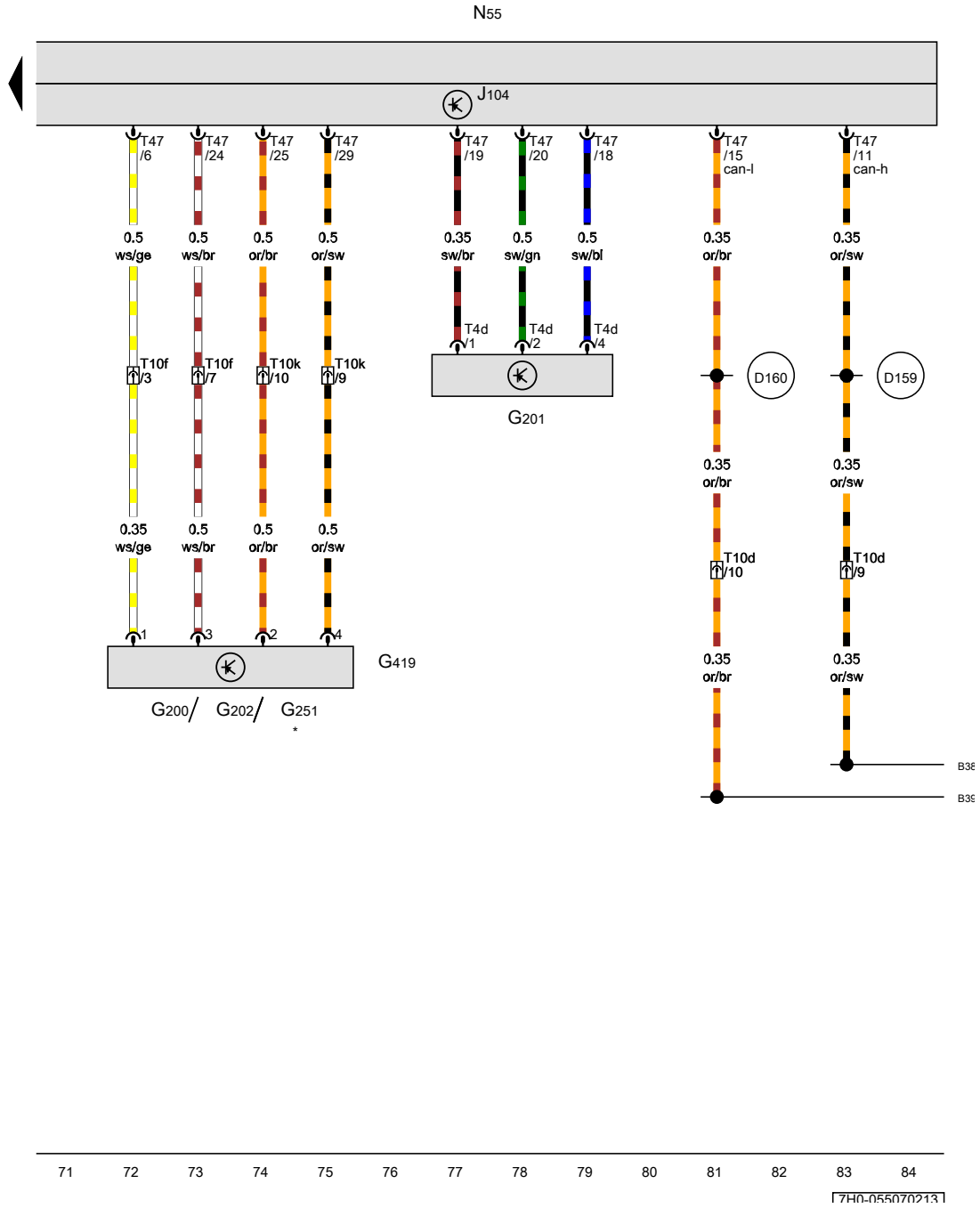
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bl	=	blue
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or	=	orange
rs	=	pink



Potentiometer for brake servo diaphragm travel, ABS control unit, ABS hydraulic unit

G420	Potentiometer for brake servo diaphragm travel
J104	ABS control unit
J187	Differential lock control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T3e	3-pin connector
T8a	8-pin connector, black
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D110	Connection 8 in engine compartment wiring harness
*	Only models with rear differential lock
*2	see fitting locations, ABS code table
*3	According to equipment

ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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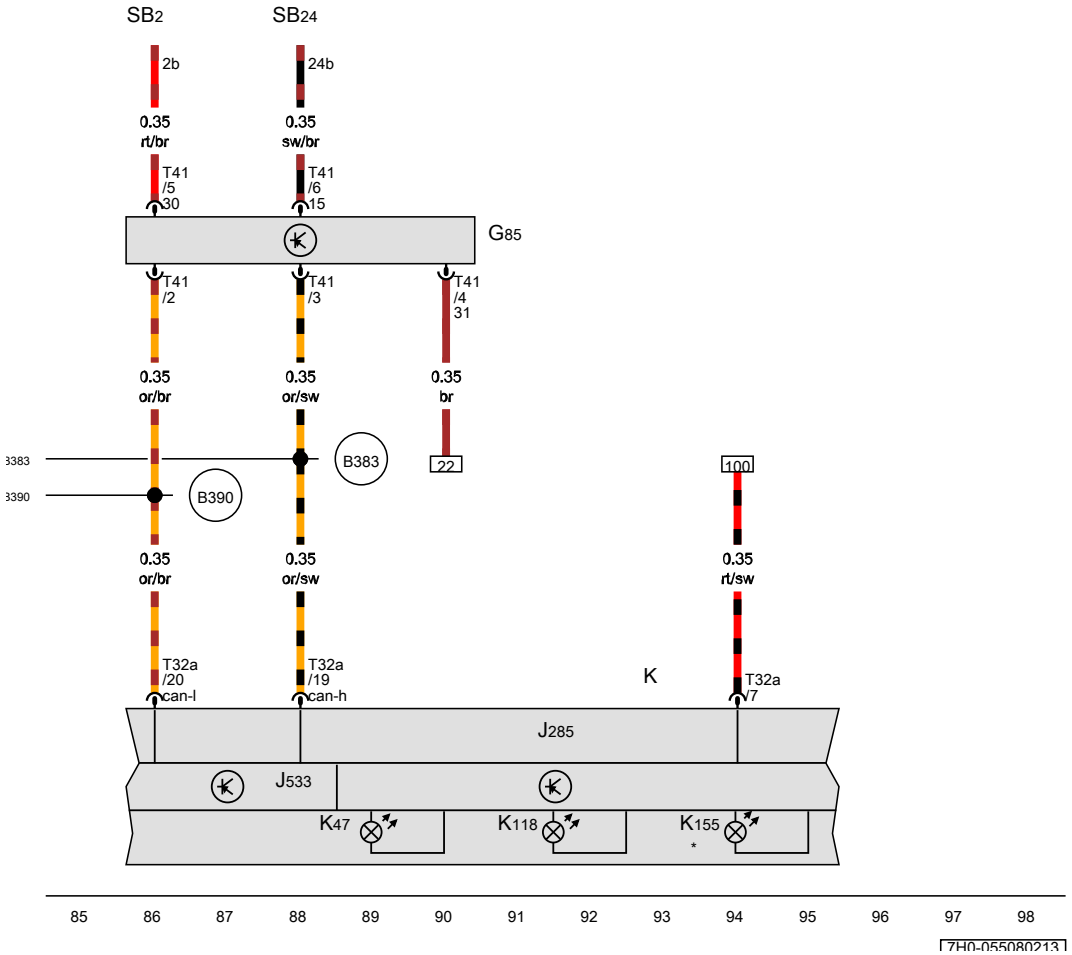
Brake pressure sender 1, ESP sensor unit, ABS control unit, ABS hydraulic unit

G200	Lateral acceleration sender
G201	Brake pressure sender 1
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J104	ABS control unit
N55	ABS hydraulic unit
T4d	4-pin connector
T10d	10-pin connector, blue, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with all-wheel drive

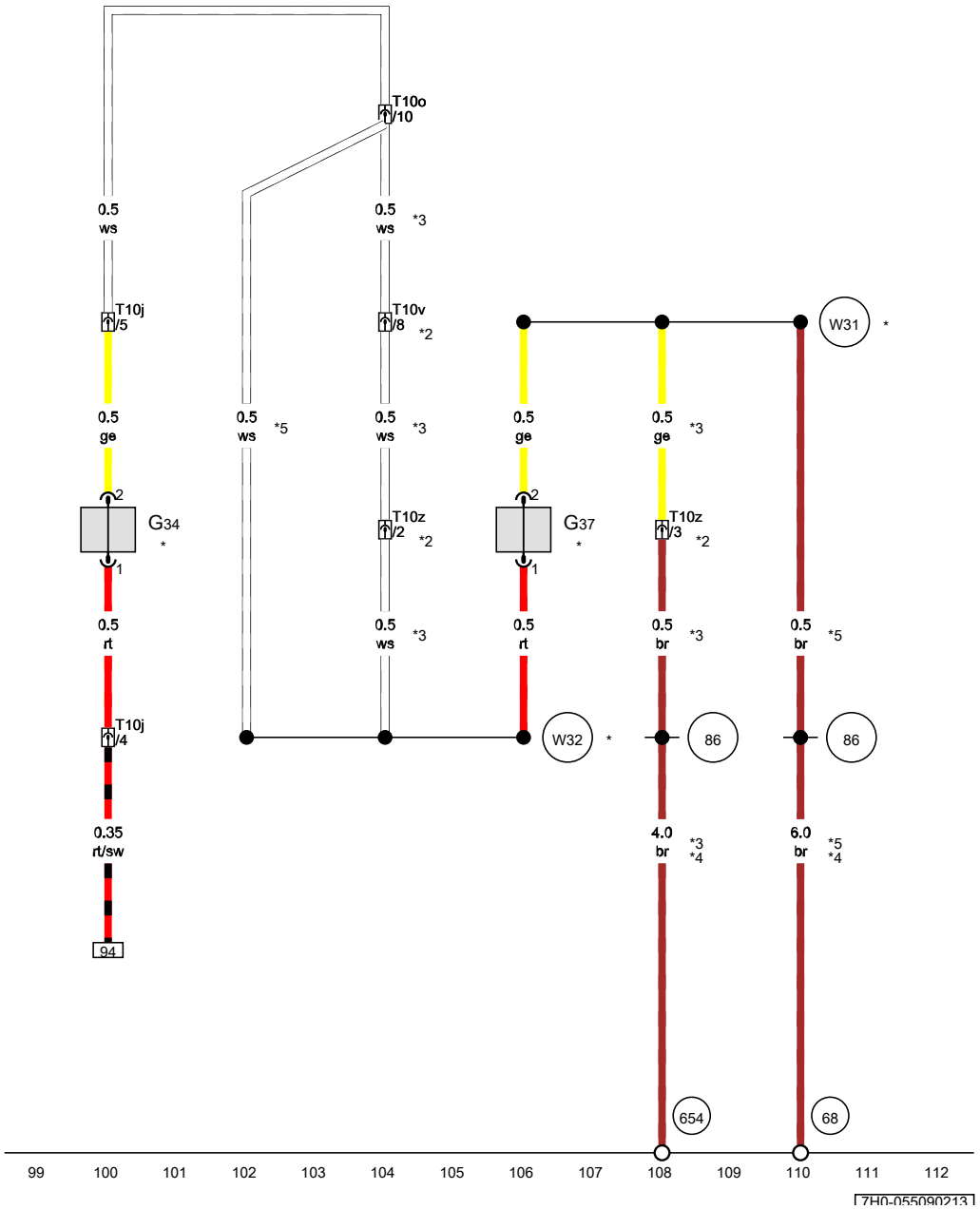
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ro	=	red
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rs	=	pink

Steering angle sender, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T32a	32-pin connector, green
T41	41-pin connector, grey
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with warning function for brake pad wear



ws	=	white
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gr	=	grey
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Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Up to January 2005
*3	Only Multivan, panel van or Kombi models
*4	Cross section depends on equipment
*5	Only models with double cab/ dropside

Roof ventilator

from March 2003

Notes:

For information concerning

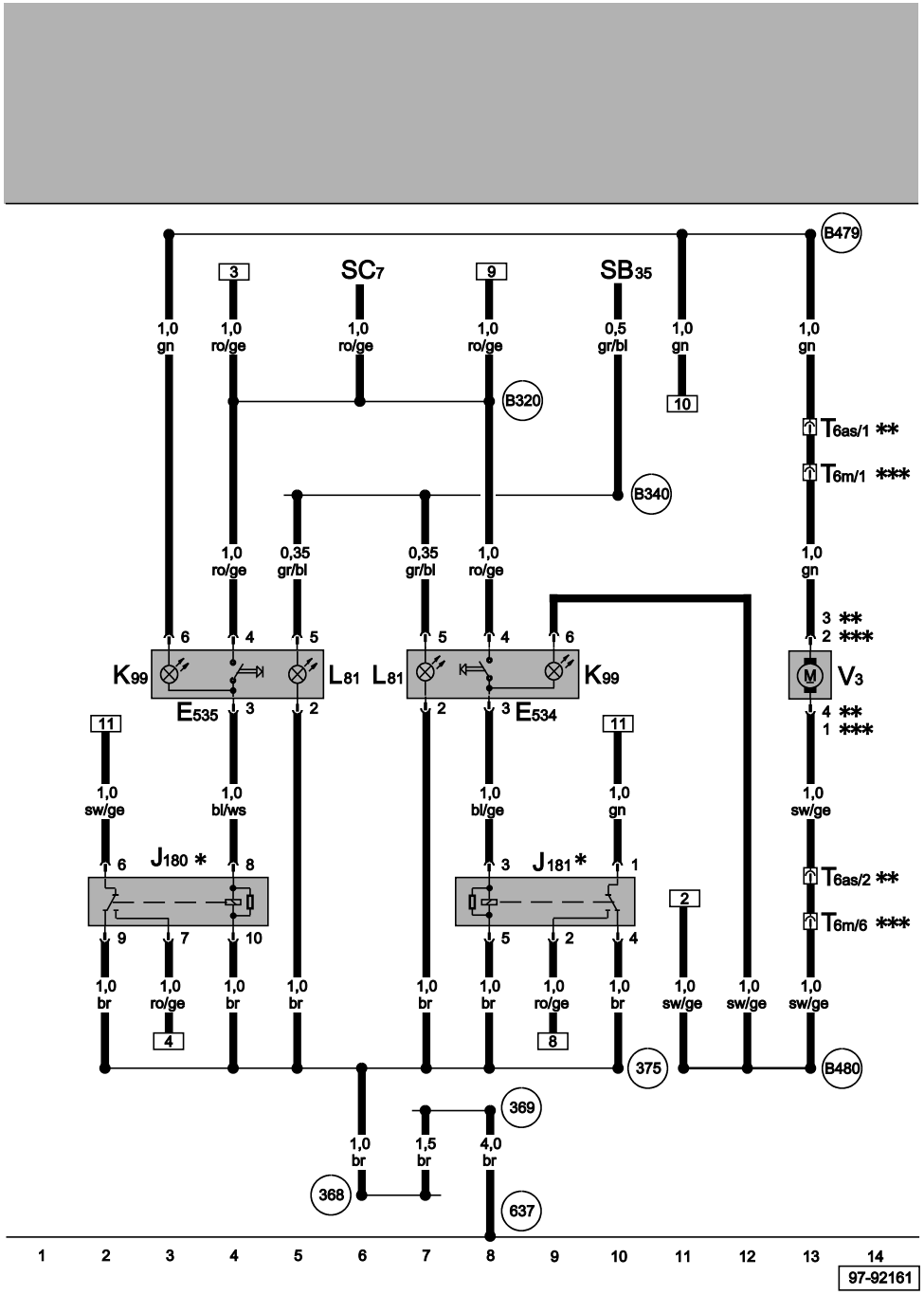
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white
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Roof ventilator, switch-over relay for roof ventilator, change-over switch warning lamp for roof ventilator, roof ventilator switch

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
K99	Change-over switch warning lamp for roof ventilator
L81	Roof ventilator switch illumination
SB35	Fuse -35- on fuse holder
SC7	Fuse -7- on fuse holder
T6m	6-pin connector, red, coupling station on left of A-pillar
T6as	6-pin connector, yellow, coupling station on left of A-pillar
V3	Roof ventilator
368	Earth connection -3-, in main wiring harness
369	Earth connection 4, in main wiring harness
375	Earth connection -10-, in main wiring harness
637	Earth point, airbag control unit
B320	Positive connection -6- (30a), in main wiring harness
B340	Connection -1- (58d), in main wiring harness
B479	Connection -15- in main wiring harness
B480	Connection -16- in main wiring harness
*	On relay carrier (2) cockpit, ⇒ Fitting locations
**	Applicable up to April 2004
***	Applicable from May 2004

Preparation for radio

from March 2003

Notes:

For information concerning

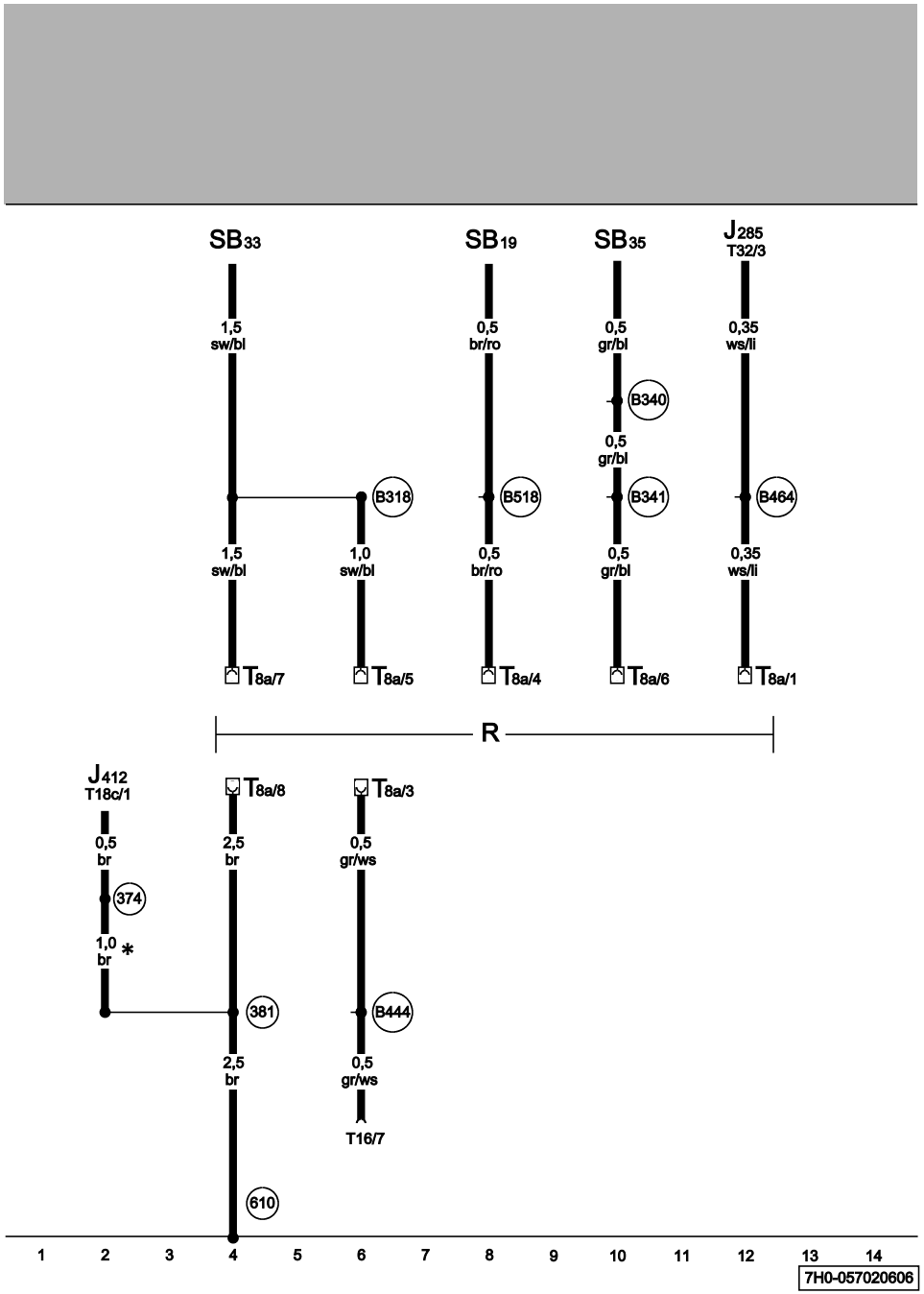
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

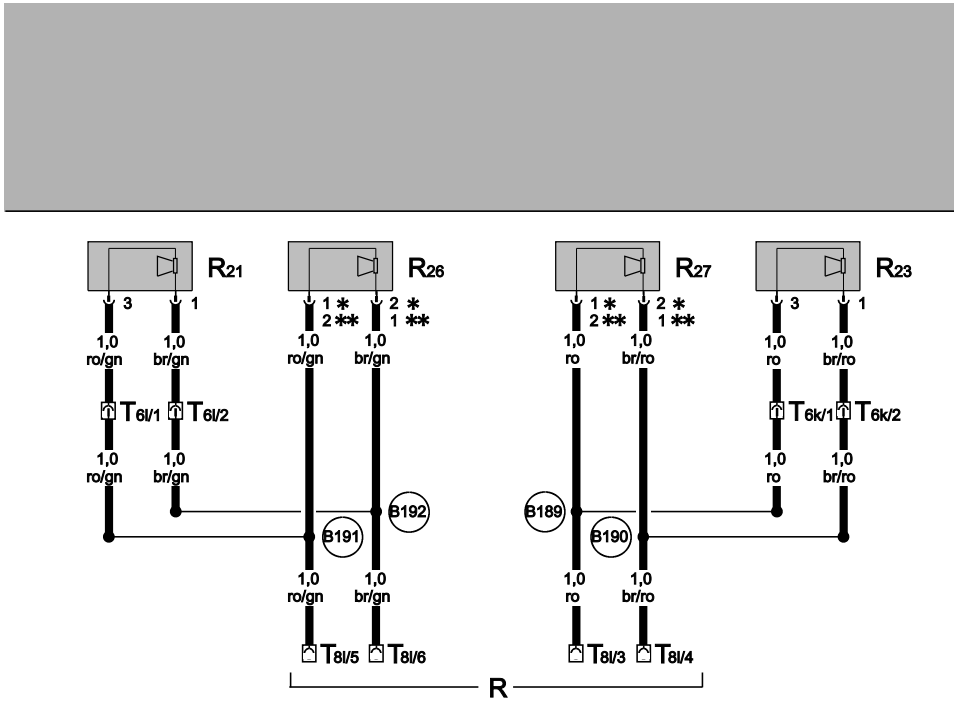
⇒ guided fault finding



Voltage supply

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
T8a	8-pin connector, black
T16	16-pin connector, diagnostic connector
T18c	18-pin connector, VDA connection
T32	32-pin connector, blue, on dash panel insert
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	only for models with telephone, always present from January 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



15 16 17 18 19 20 21 22 23 24 25 26 27 28

97-36593

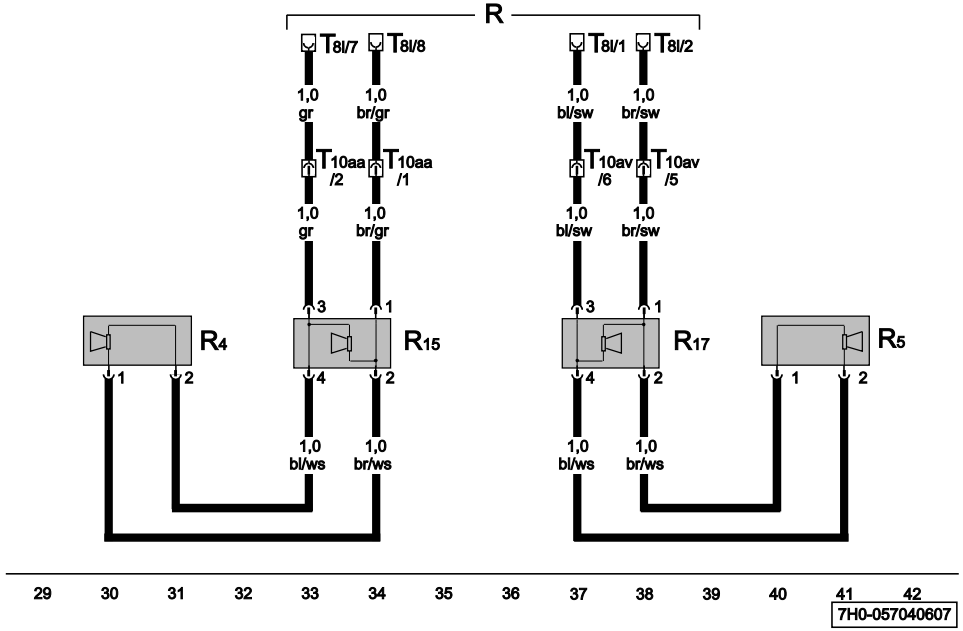
Front loudspeaker

R	Radio
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8l	8-pin connector, brown
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	for models with 4 loudspeakers only
**	for models with 8 loudspeakers only

ws	=	white
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or	=	orange
rs	=	pink

Rear loudspeaker (for models with 8 loudspeakers only)

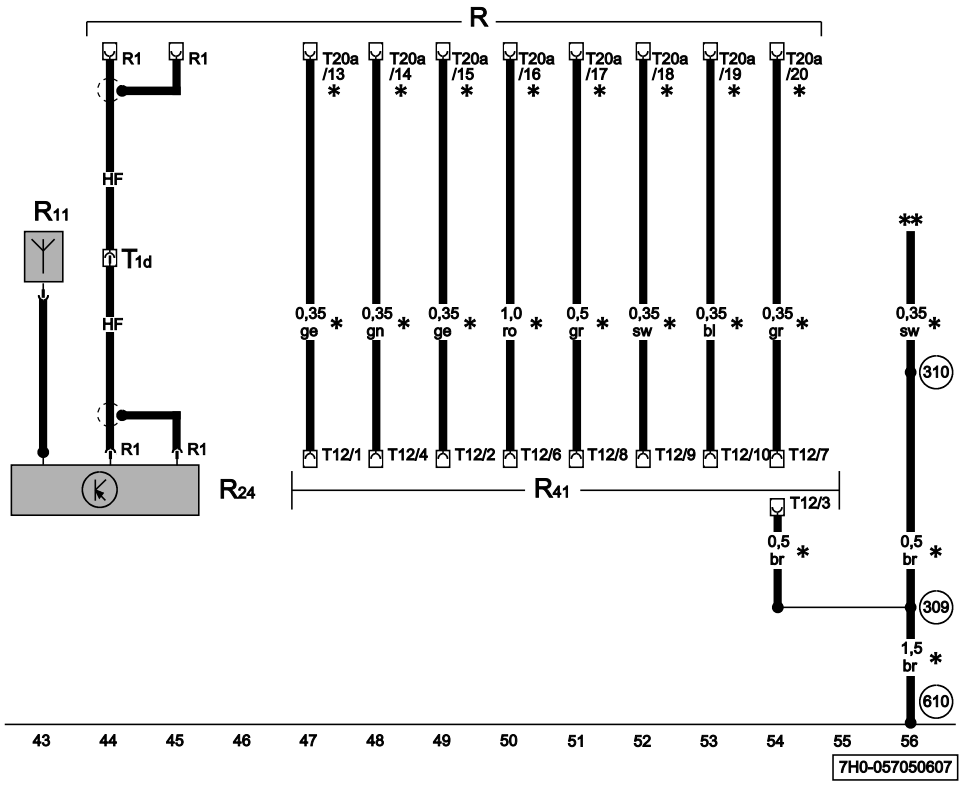
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



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Aerial, aerial amplifier, prepared for CD changer

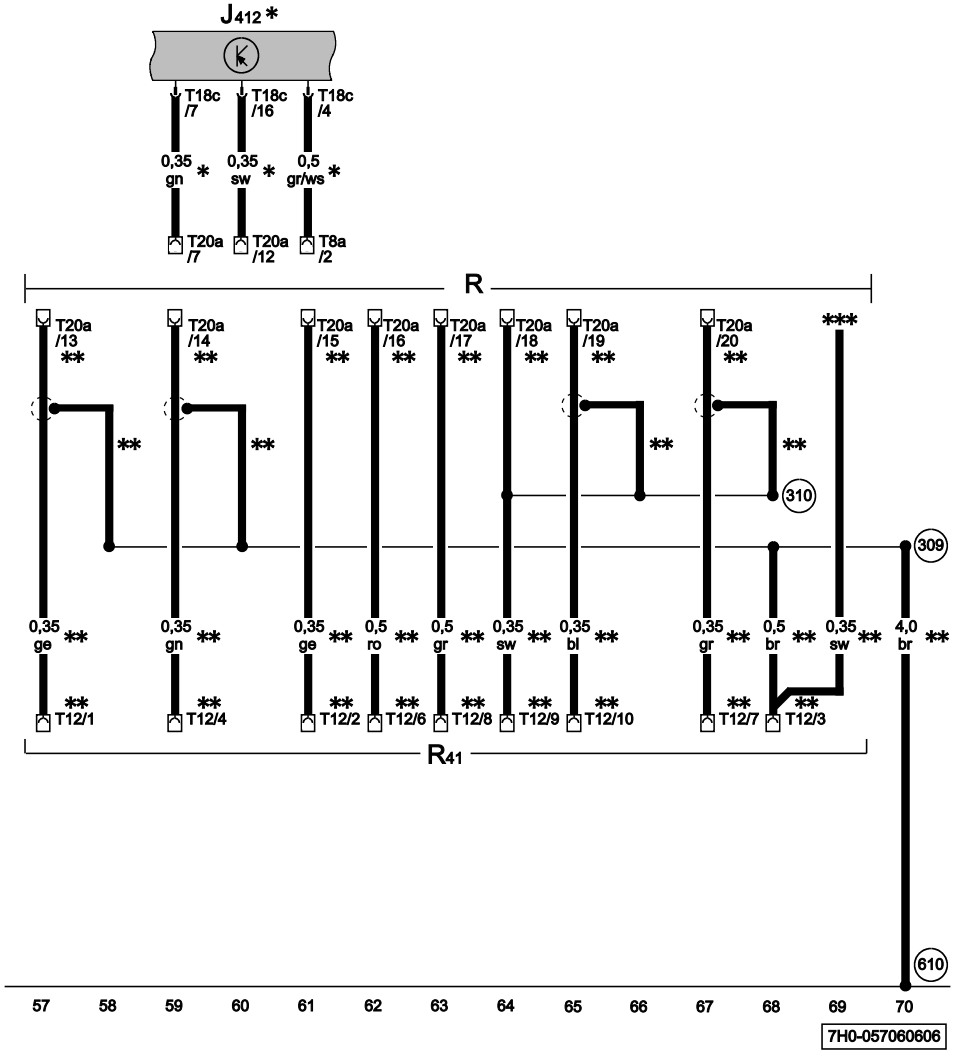
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T20a	20-pin connector
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	applicable from January 2006, for models with CD changer of prepared only
**	Wiring open end



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or	=	orange
rs	=	pink

Radio, aerial, aerial amplifier, mobile telephone operating electronics control unit, CD changer

J412	Mobile telephone operating electronics control unit
R	Radio
R41	CD changer
T8a	8-pin connector
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection
T20a	20-pin connector
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	applicable up to December 2005, for models with CD changer of prepared only
***	Wiring open end



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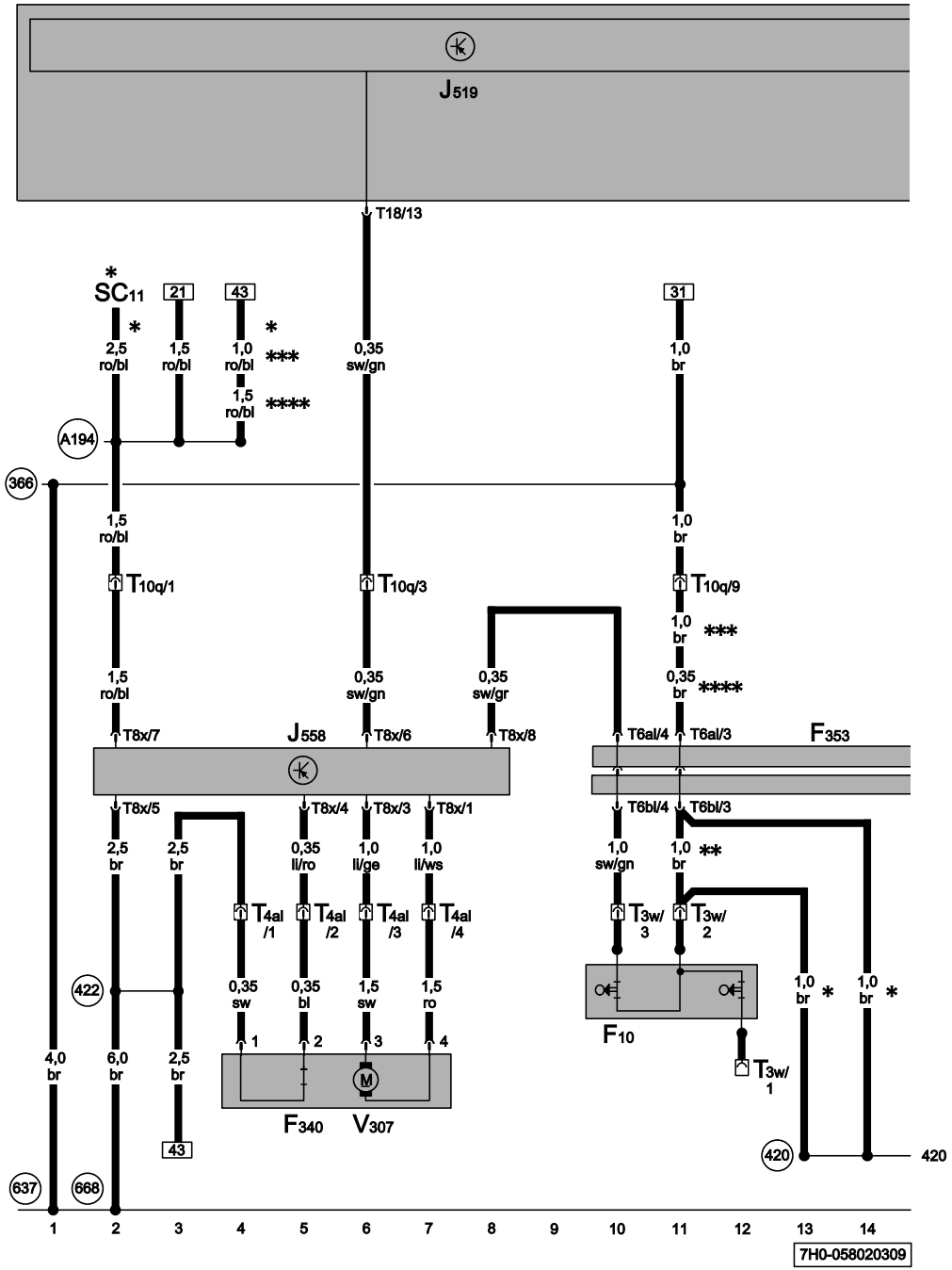
Power latching system for sliding doors and rear lid

⇒ **Power latching system - right sliding door (GX3/ GZ4/ GZ7)**
⇒ **Power latching system - left sliding door (GZ3/ GZ4)**
⇒ **Power latching system - rear lid (4E7/ 4E9)**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

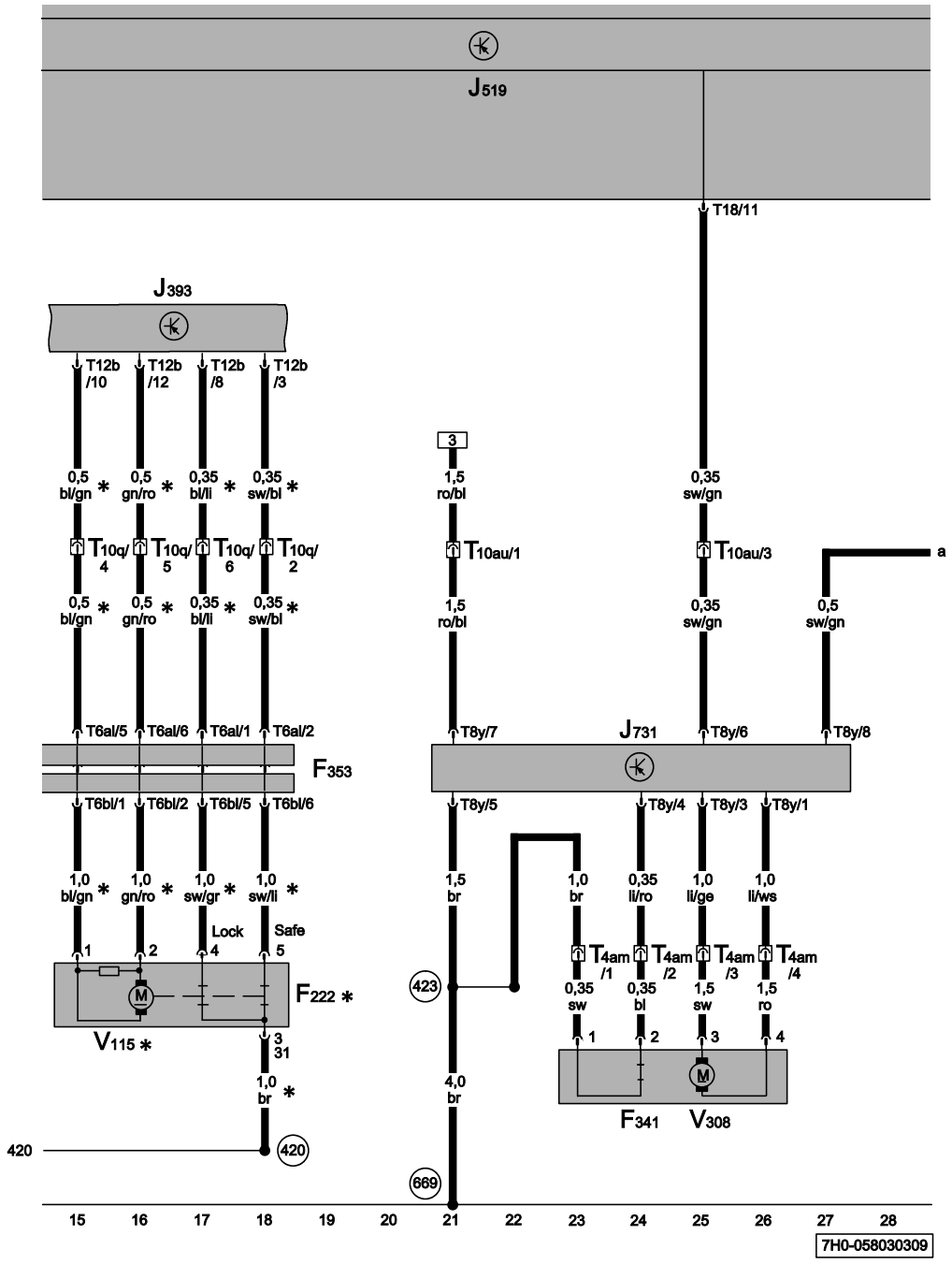
⇒ guided fault finding



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Onboard supply control unit, left sliding door control unit, door power latching system contact switch, rear left power latching motor, left sliding door contact strip

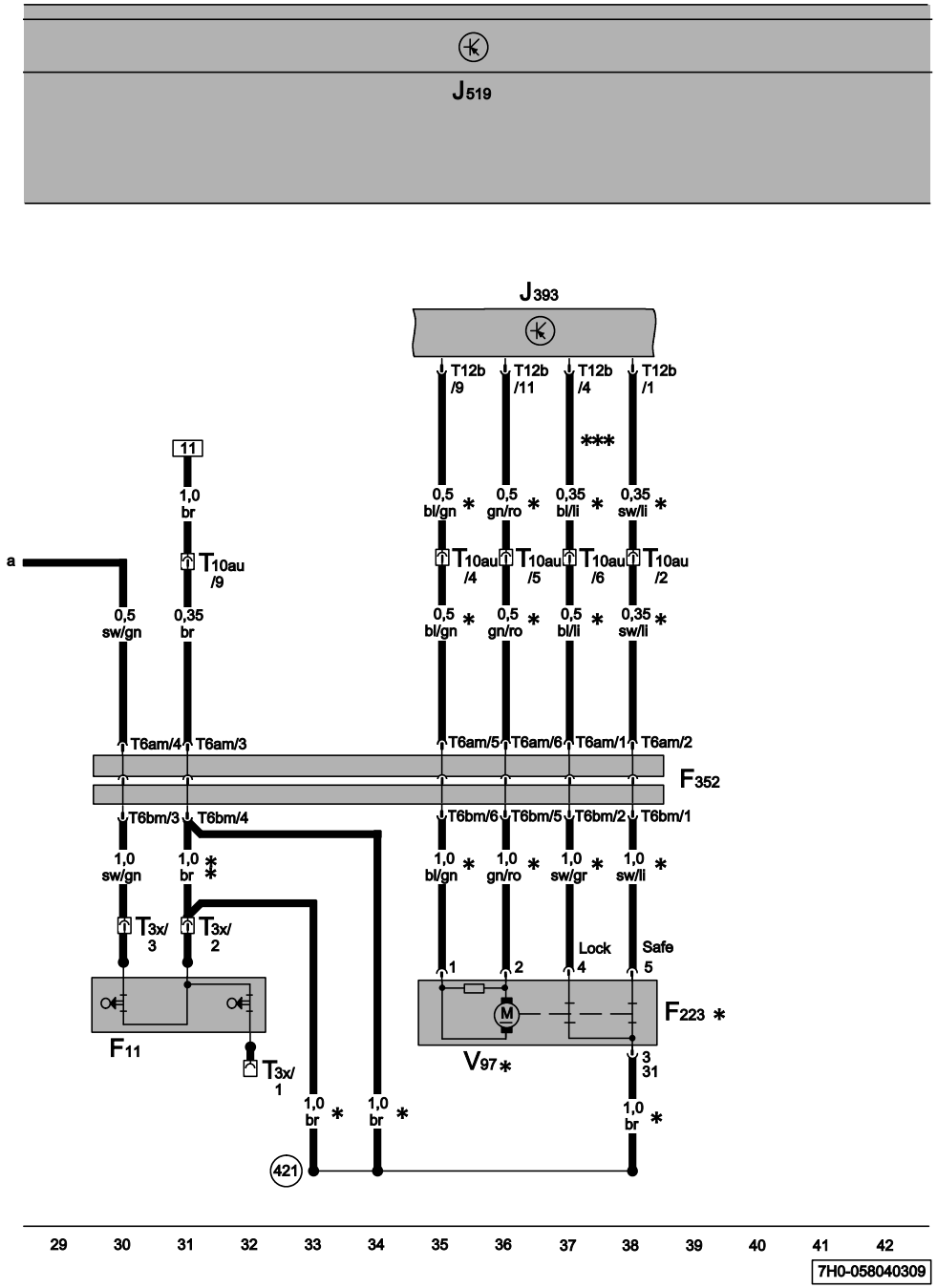
F10	Rear left door contact switch
F340	Rear left door power latching system contact switch
F353	Left sliding door contact strip
J519	Onboard supply control unit
J558	Left sliding door control unit
SC11	Fuse 11 on fuse holder C
T3w	3-pin connector, rear left door contact switch
T4al	4-pin connector, black, on left C-pillar
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8x	8-pin connector, black, coupling station left D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T18	18-pin connector, black
V307	Rear left door power latching motor
366	Earth connection 1, in main wiring harness
420	Earth connection 1, in left sliding door wiring harness
422	Earth connection 1, in left rear end wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
A194	Connection (convenience system), in main wiring harness
*	for models with central locking only
**	for models without central locking only
***	applicable up to January 2004
****	applicable from February 2004



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gn = green
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rs = pink

Rear left central locking lock unit, left sliding door contact strip, right sliding door control unit, rear right power latching motor

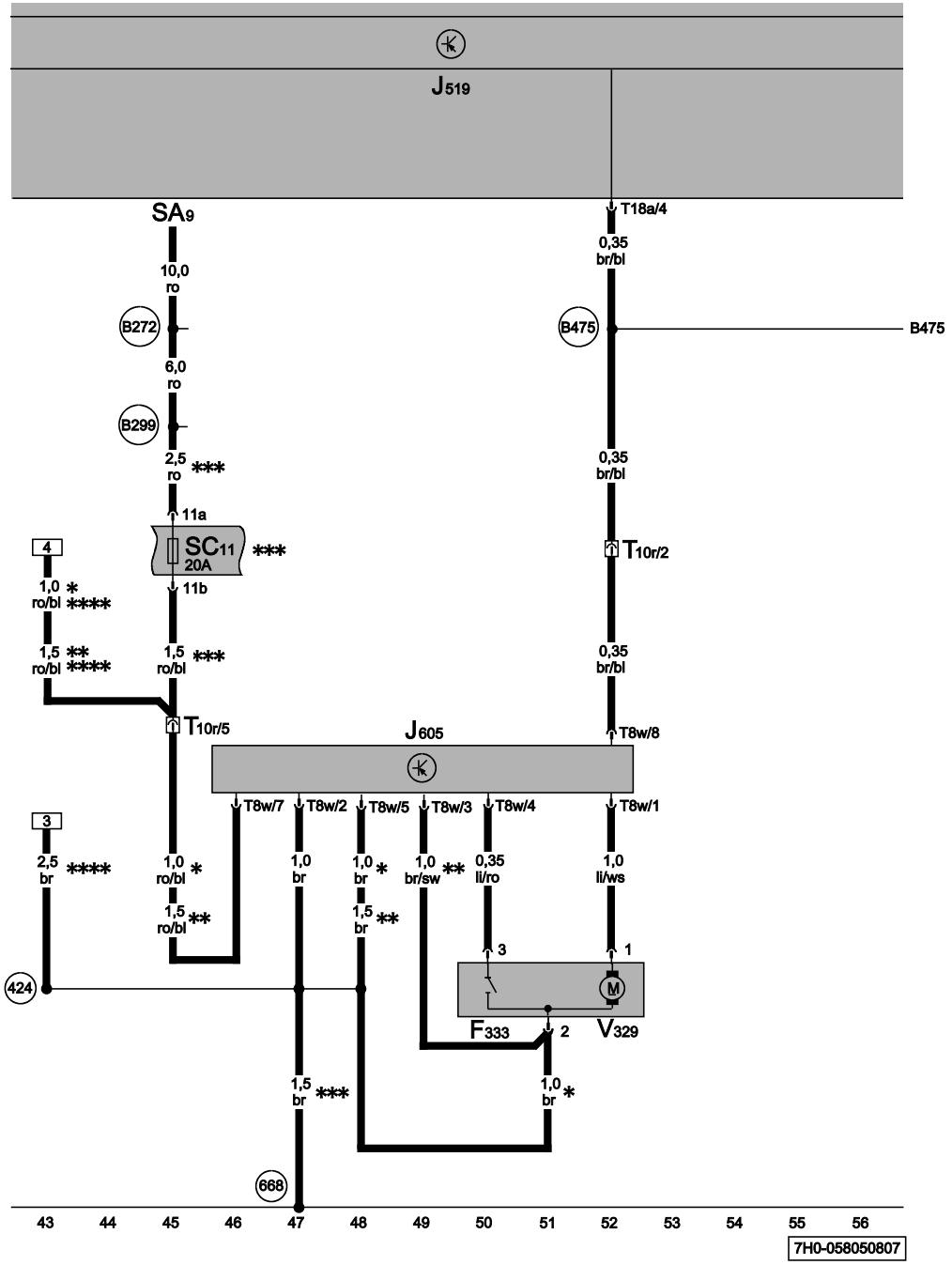
F222	Rear left central locking lock unit
F341	Rear right door power latching system contact switch
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T4am	4-pin connector, black, on right C-pillar
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8y	8-pin connector, black, coupling station on right of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
V308	Rear right power latching motor
420	Earth connection 1, in left sliding door wiring harness
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar
*	for models with central locking only



Rear right door contact switch, rear right central locking lock unit, right sliding door contact strip, rear right door central locking motor

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with central locking only
**	for models without central locking only
***	From December 2003 the colour changes to black/grey

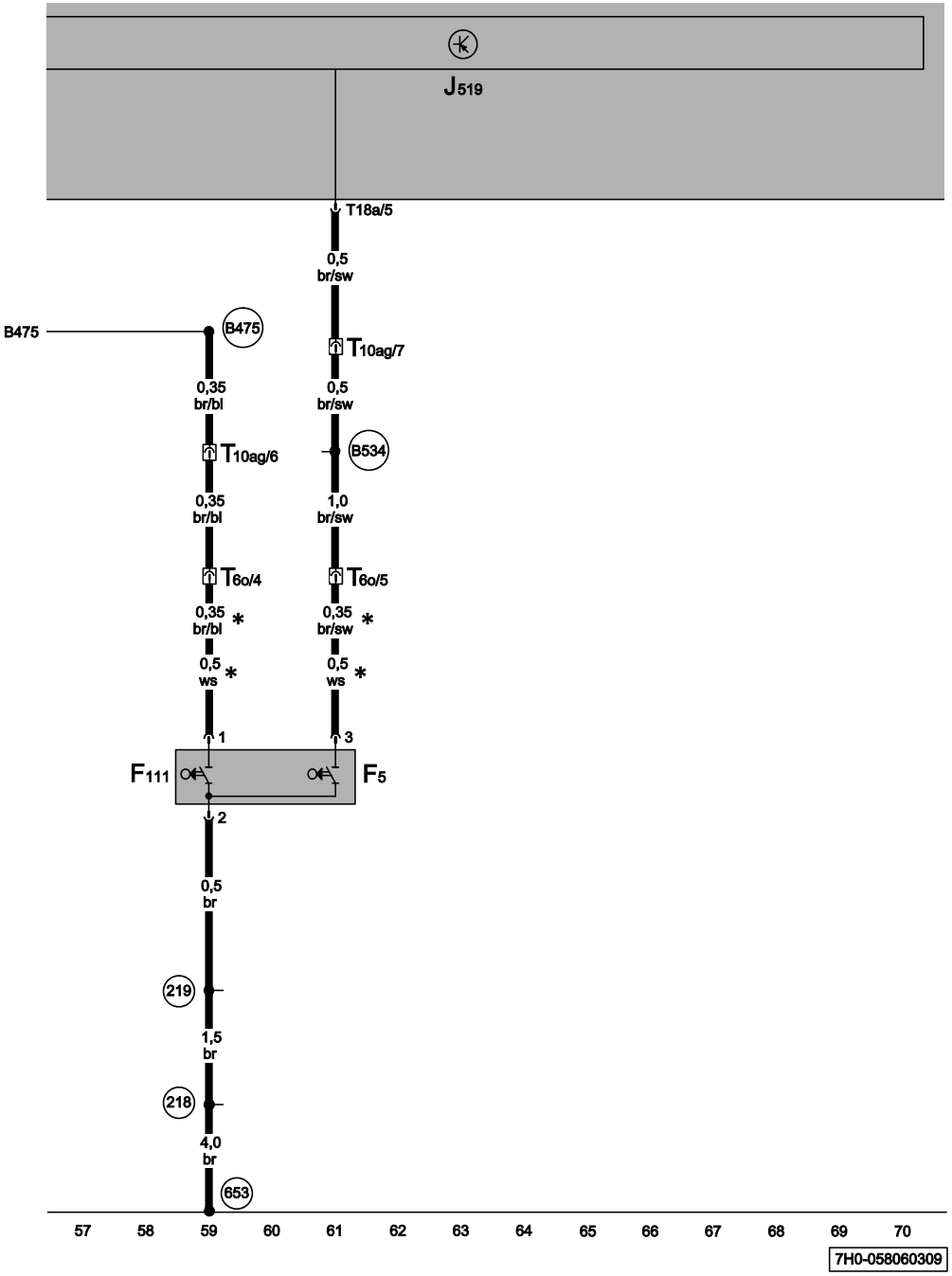
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard power supply control unit, rear lid control unit, power latching motor, power latching system limit switch

F333	Power latching system limit switch, luggage compartment locked
J519	Onboard supply control unit
J605	Rear lid control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T18a	18-pin connector, brown
V329	Power latching motor
424	Earth connection 2, in left rear end wiring harness
668	Earth point 2, left D-pillar
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B475	Connection 11 in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	for models without power latching system in sliding door only
****	for models with power latching system for left sliding door or left and right only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Wire colour is white and wire is printed, from February 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

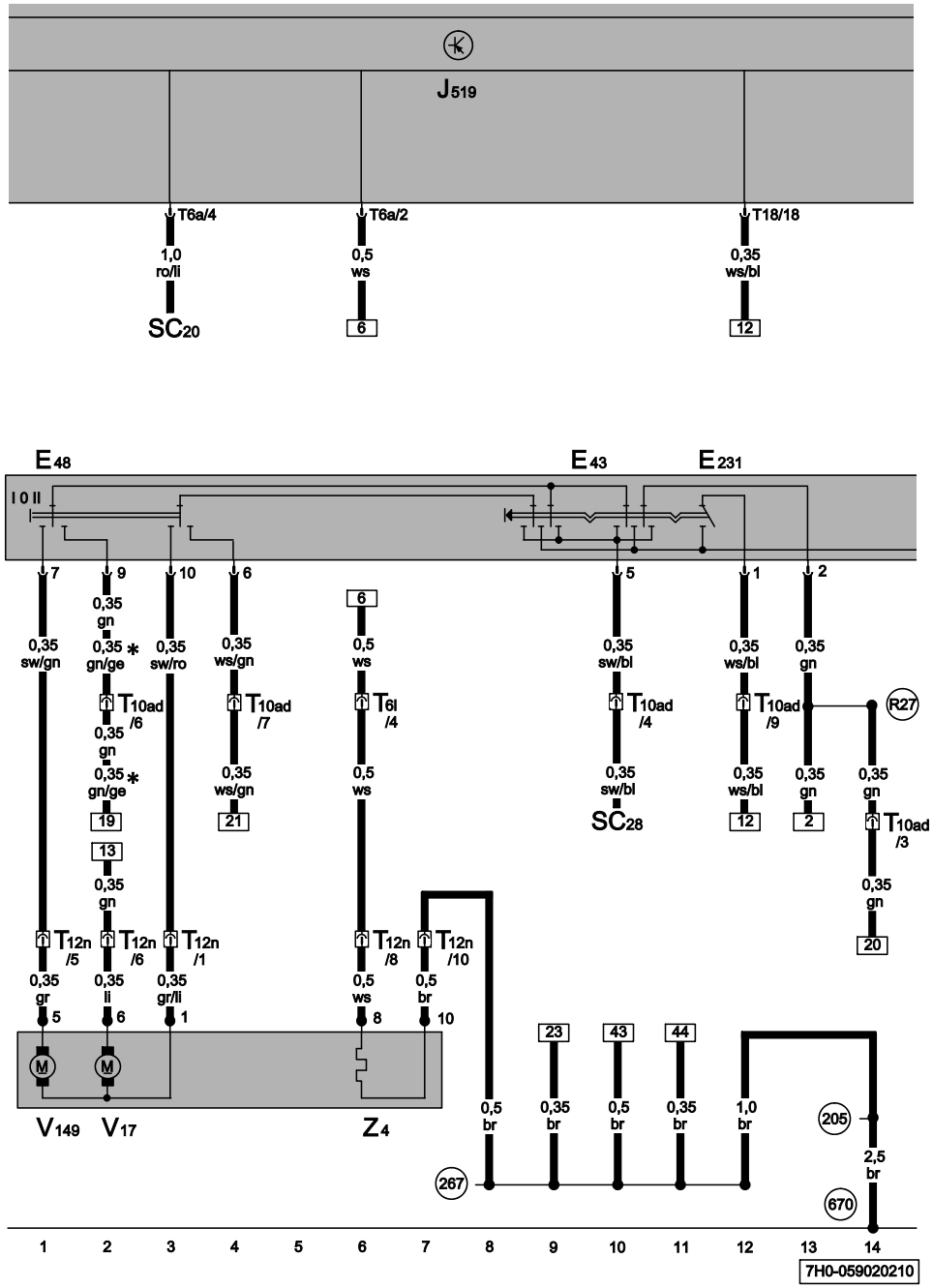
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

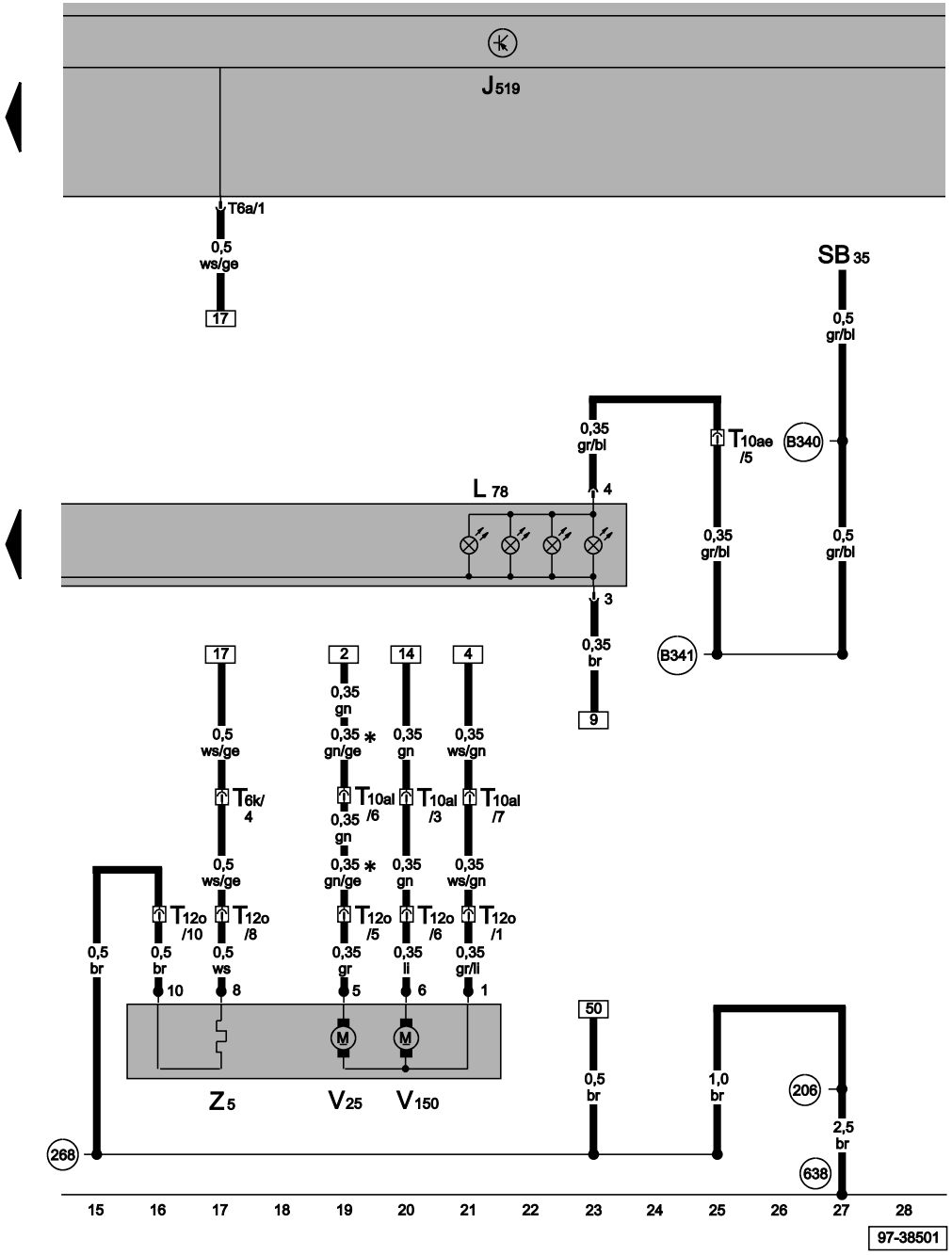
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, driver side mirror adjustment motors, heated exterior mirror on driver side

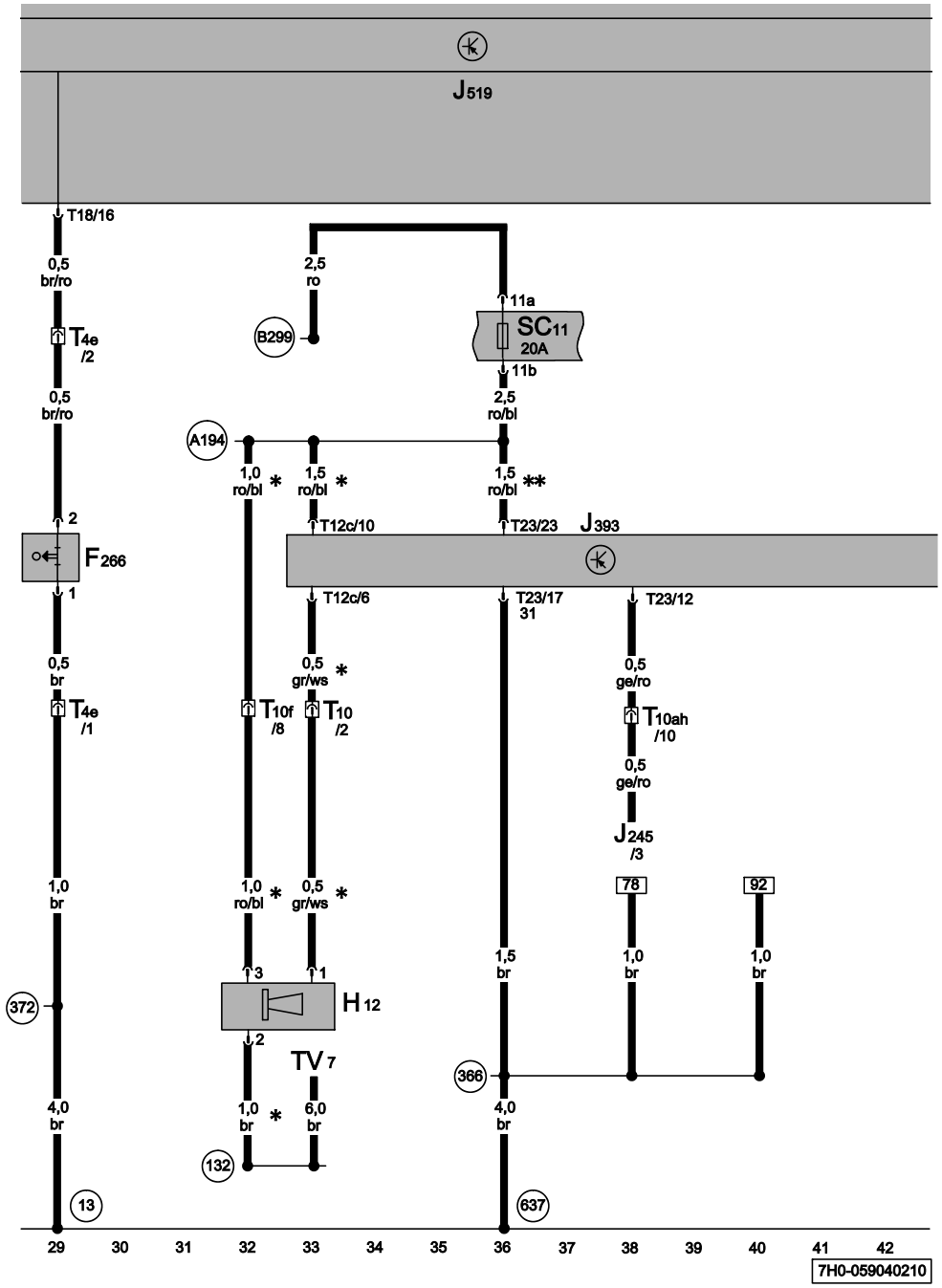
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness
*	applicable from February 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger mirror adjustment motor, front passenger side heated exterior mirror

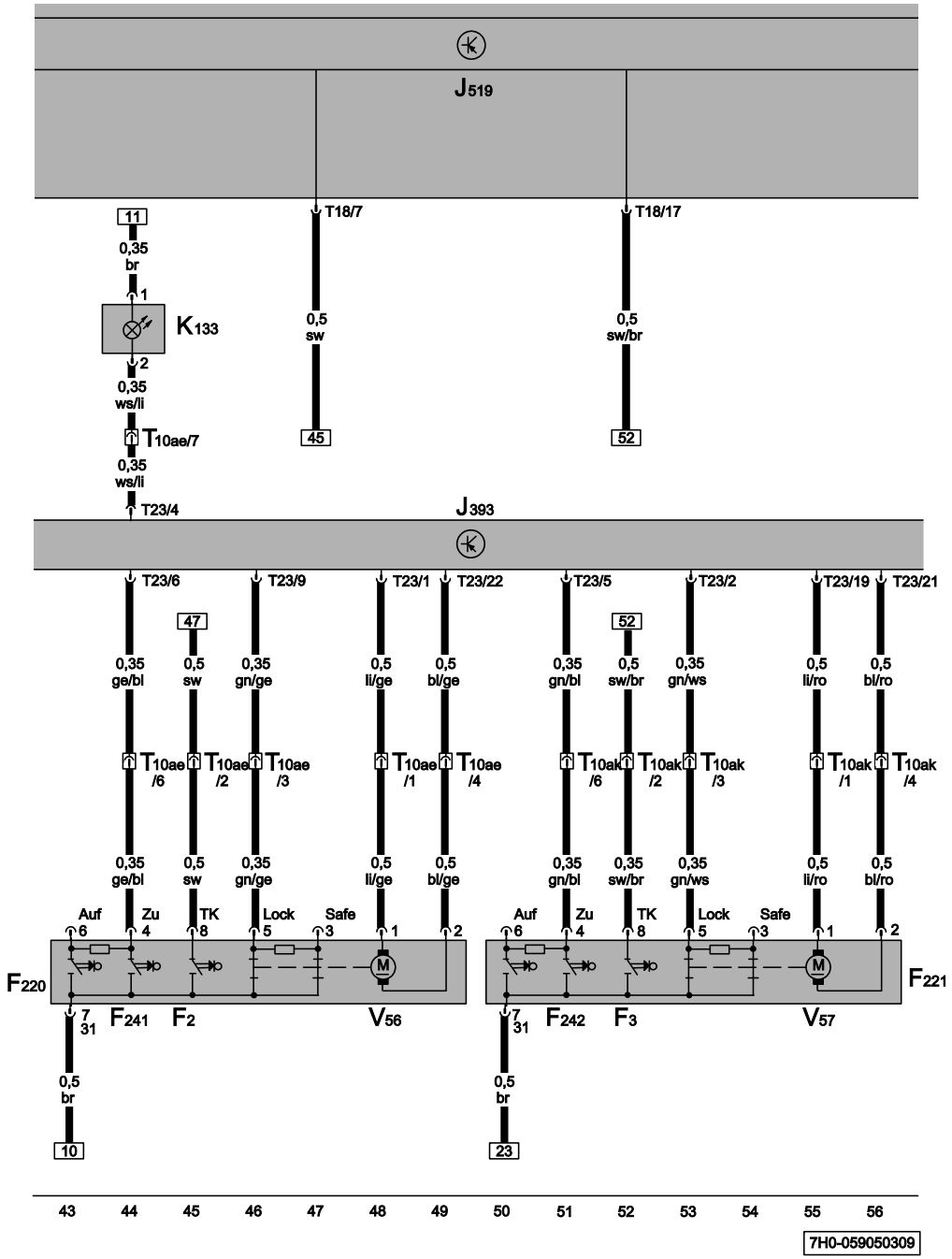
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	applicable from February 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, alarm horn, bonnet contact switch

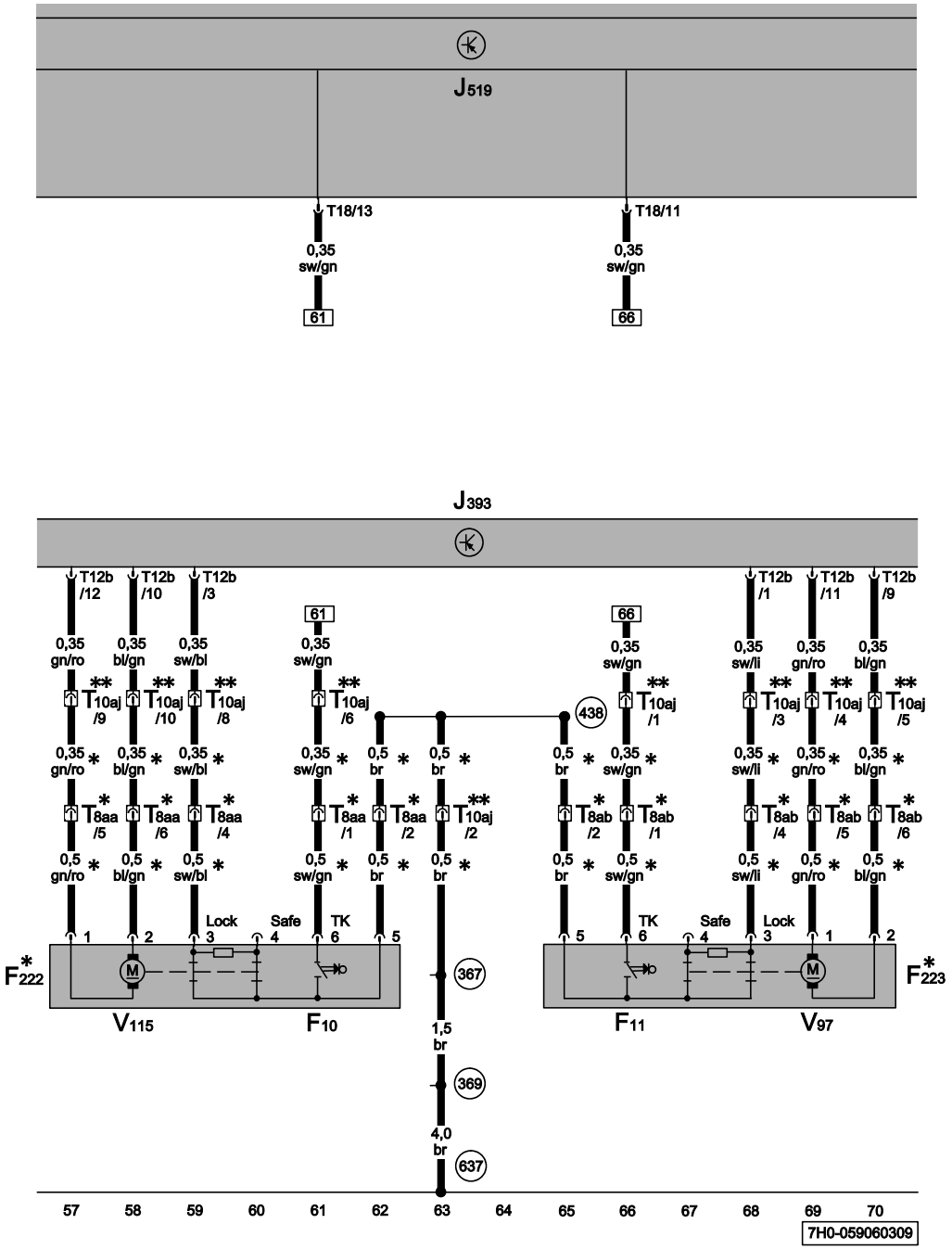
F266	Bonnet contact switch
H12	Alarm horn
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
366	Earth connection 1, in main wiring harness
372	Earth connection 7, in main wiring harness
637	Earth point, airbag control unit
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with anti-theft alarm system only
**	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor

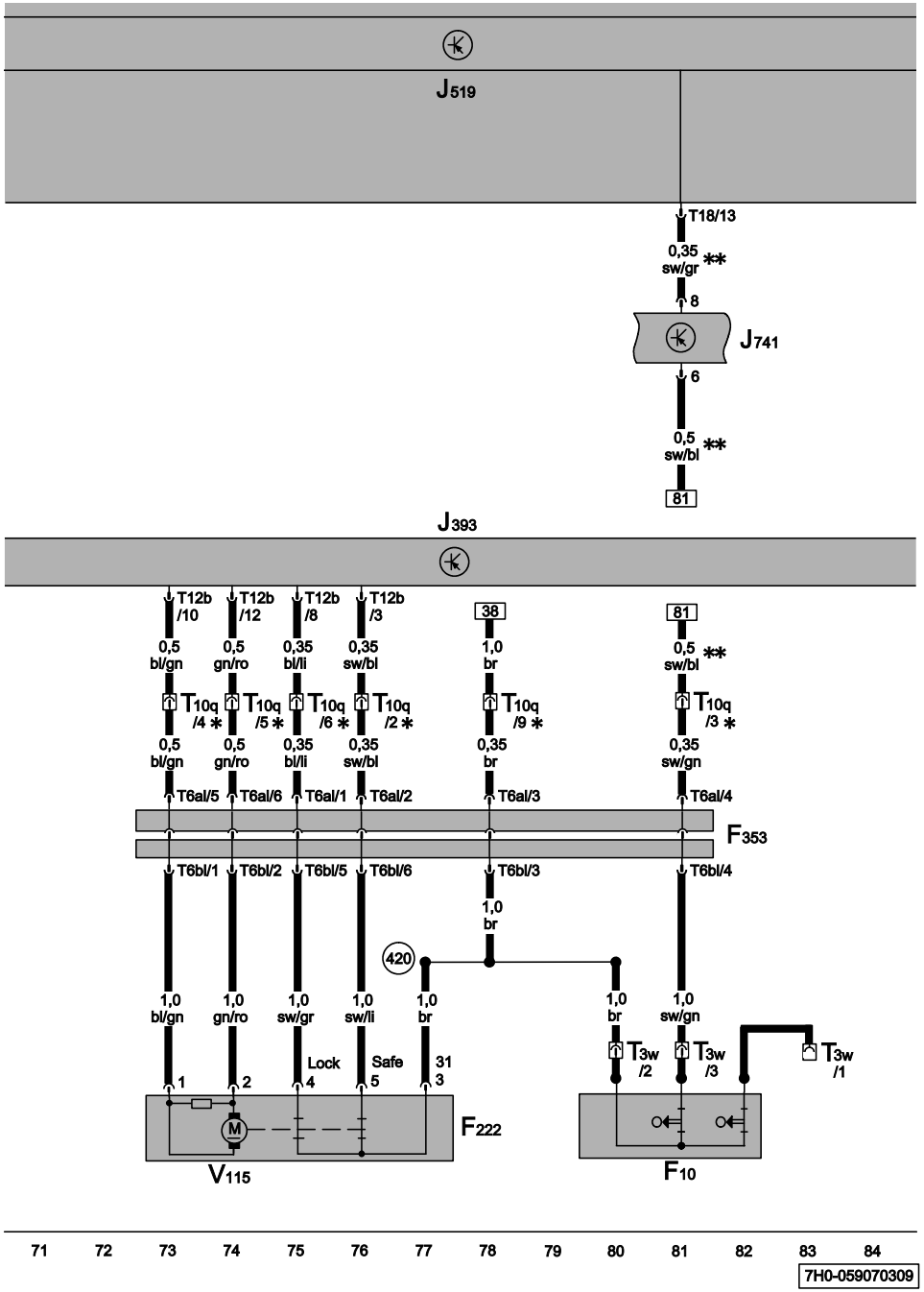
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T10aj	10-pin connector, light-green, coupling station on left of A-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	Pin connector is dropped from February 2004

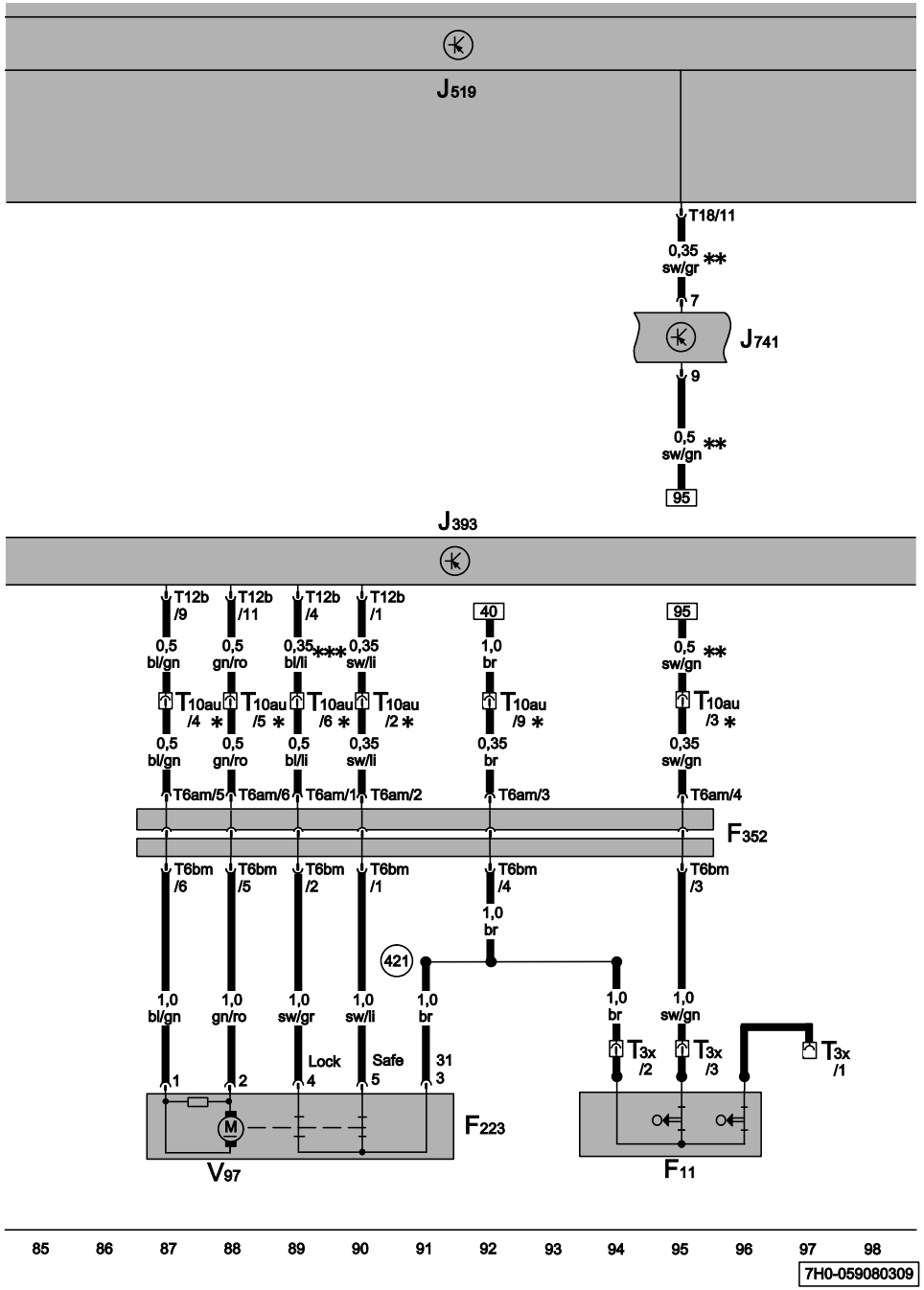
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip, dual signal inverter relay

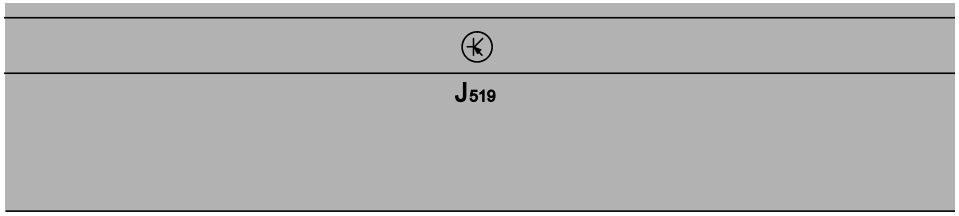
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
**	for models without electric sliding doors/power latching system only, applicable from June 2003

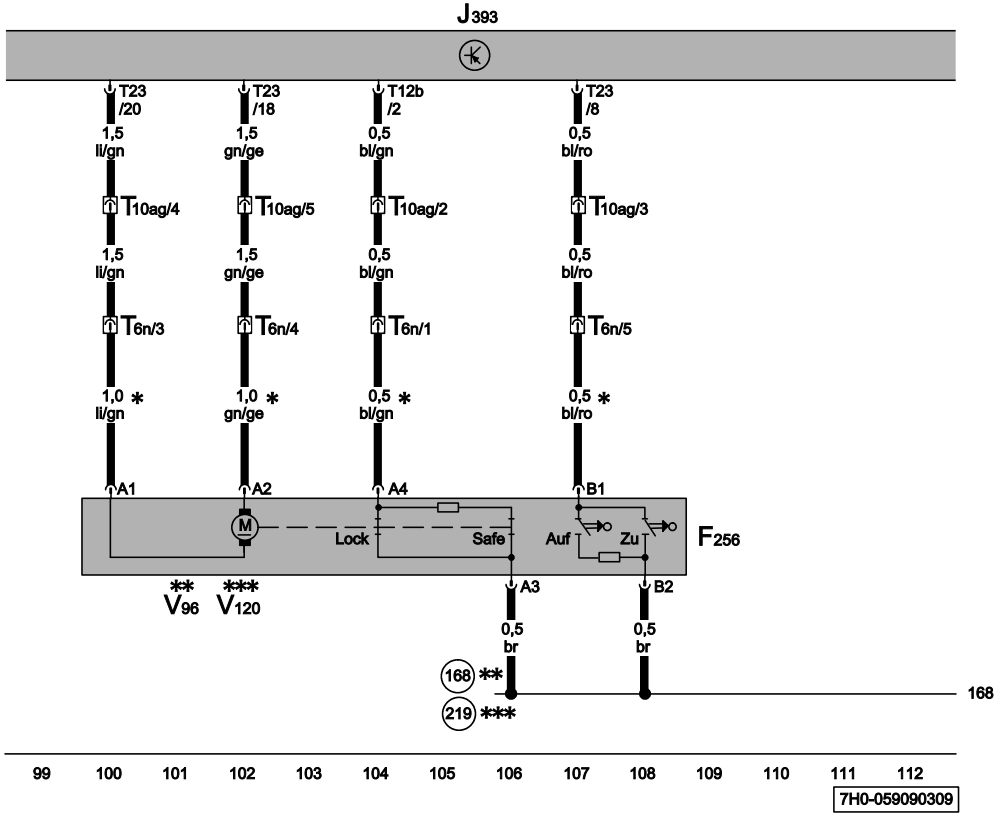


Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip, dual signal inverter relay

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
**	for models without electric sliding doors/power latching system only, applicable from June 2003
***	From December 2003 the colour changes to black/grey

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

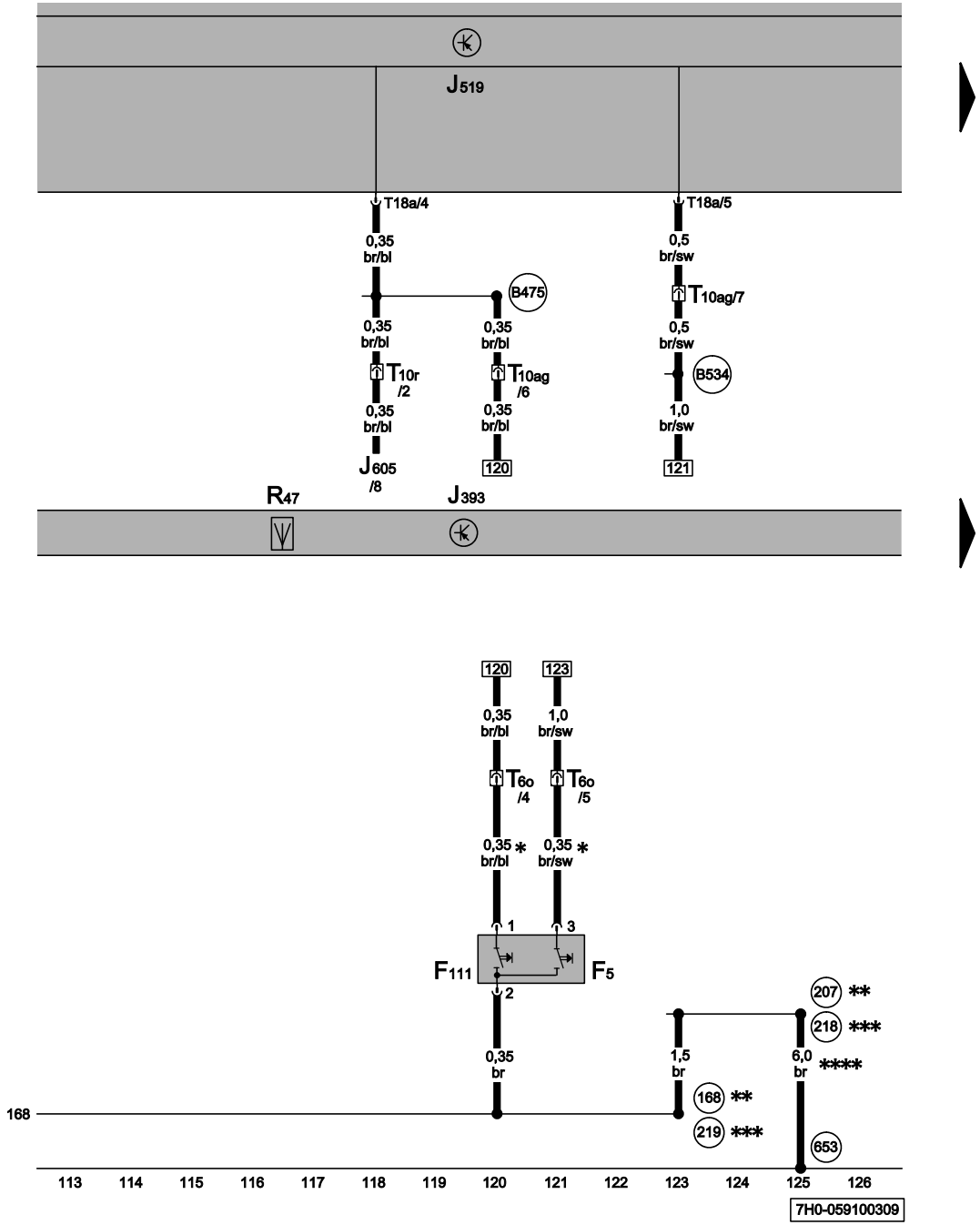




Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	for models with rear wing doors only
***	for models with rear lid only

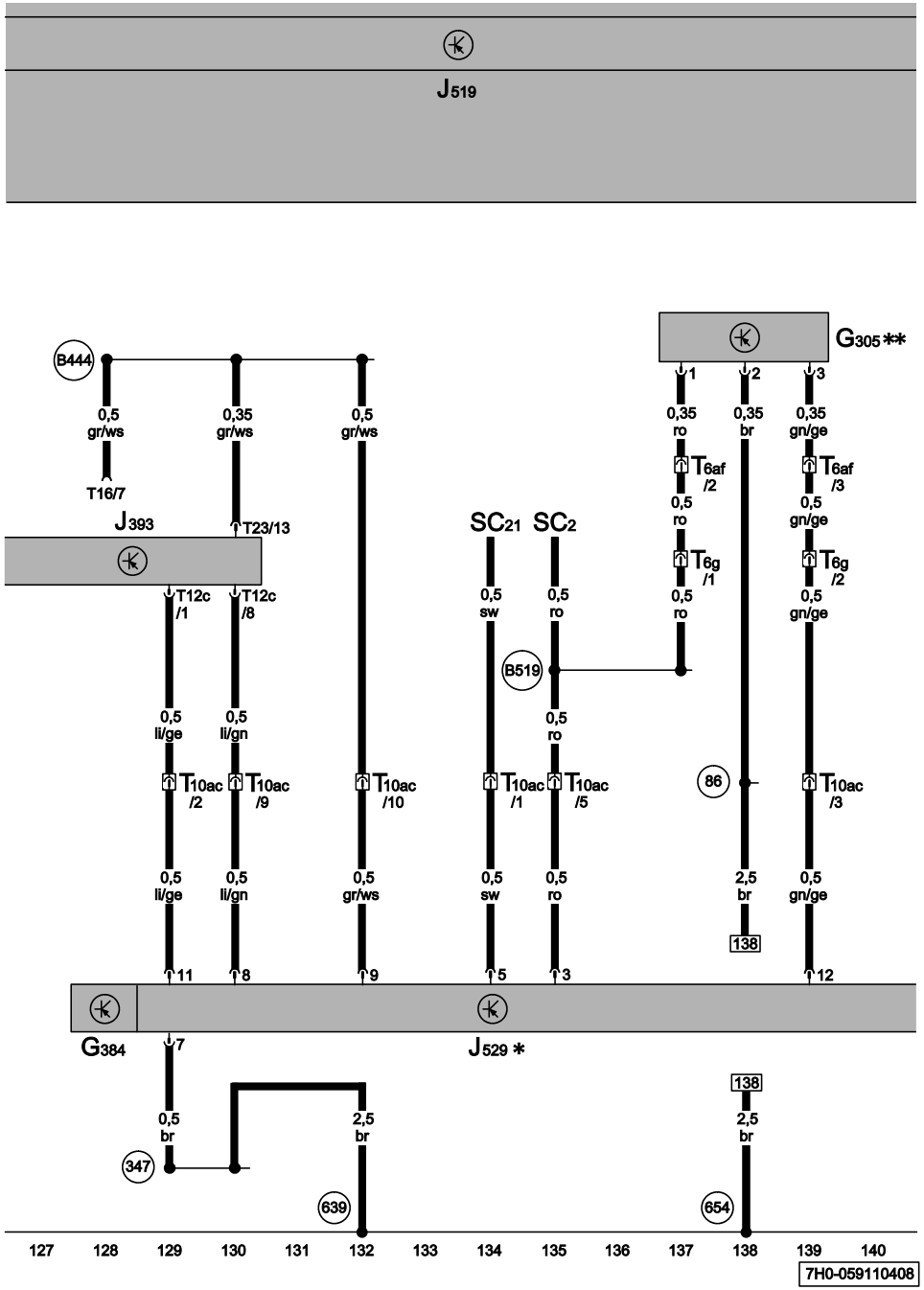
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Convenience system central control unit, luggage compartment light switch, rear lid contact switch, central locking and anti-theft alarm system aerial

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
R47	Central locking and anti-theft alarm system aerial
T6o	6-pin connector, red, coupling station on left of D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	for models with rear wing doors only
***	for models with rear lid only
****	Cross-section 4.0 possible

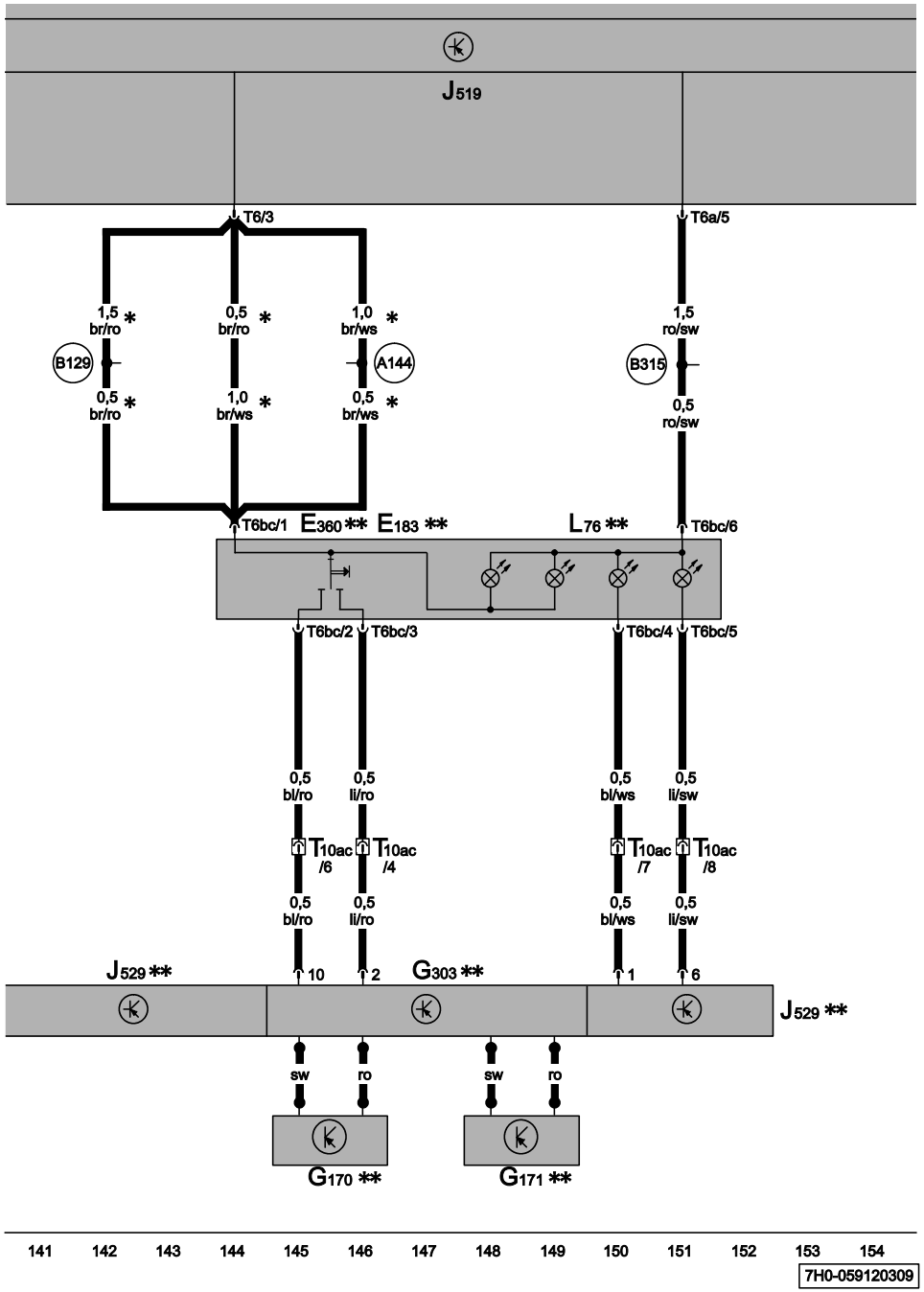
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Anti-theft and tilt system control unit, vehicle inclination sender, interior monitor send and receive module 2

G305	Interior monitor send and receive module 2
G384	Vehicle inclination sender
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6g	6-pin connector, brown, coupling station under driver seat
T6af	6-pin connector, dark brown, coupling station on left of D-pillar
T10ac	10-pin connector, green, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
86	Earth connection 1, in rear wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
654	Earth point, right D-pillar
B444	Connection 1 (diagnosis), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with anti-theft alarm system only 7AL



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rotating light

from September 2003

Notes:

For information concerning

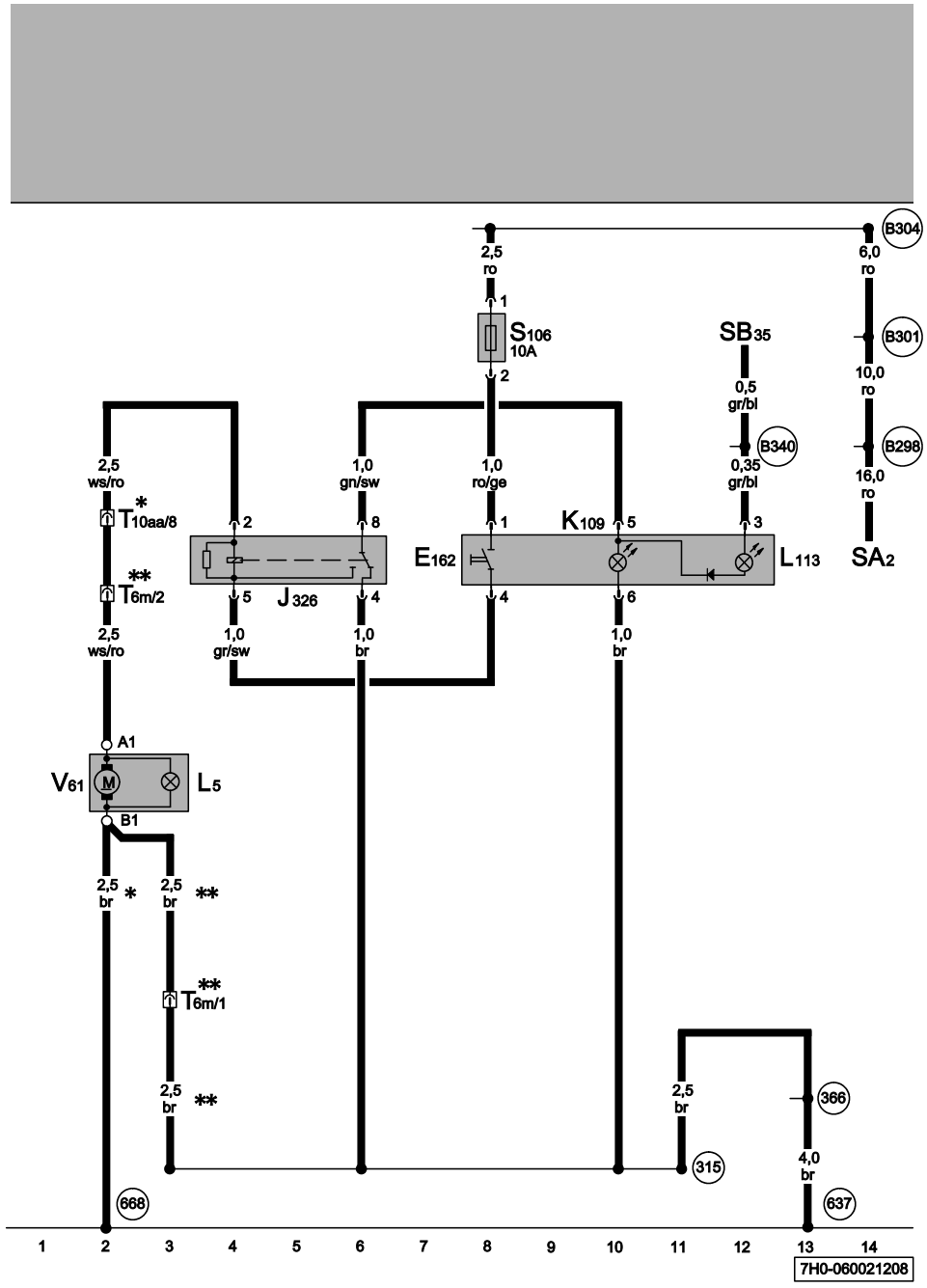
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rotating light switch, rotating light relay, rotating light bulb, rotating light motor

E162	Rotating light switch
J326	Rotating light relay
K109	Rotating light warning lamp
L5	Rotating light bulb
L113	Rotating light and siren switch illumination bulb
S106	Rotating light fuse
SA2	Fuse 2 on fuse holder A
SB35	Fuse 35 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T10aa	10-pin connector, dark brown, coupling station under driver seat
V61	Rotating light motor
315	Earth connection, in rotating light wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	for double cab and plank bed vehicles only

Red Cross light

from September 2003

Notes:

For information concerning

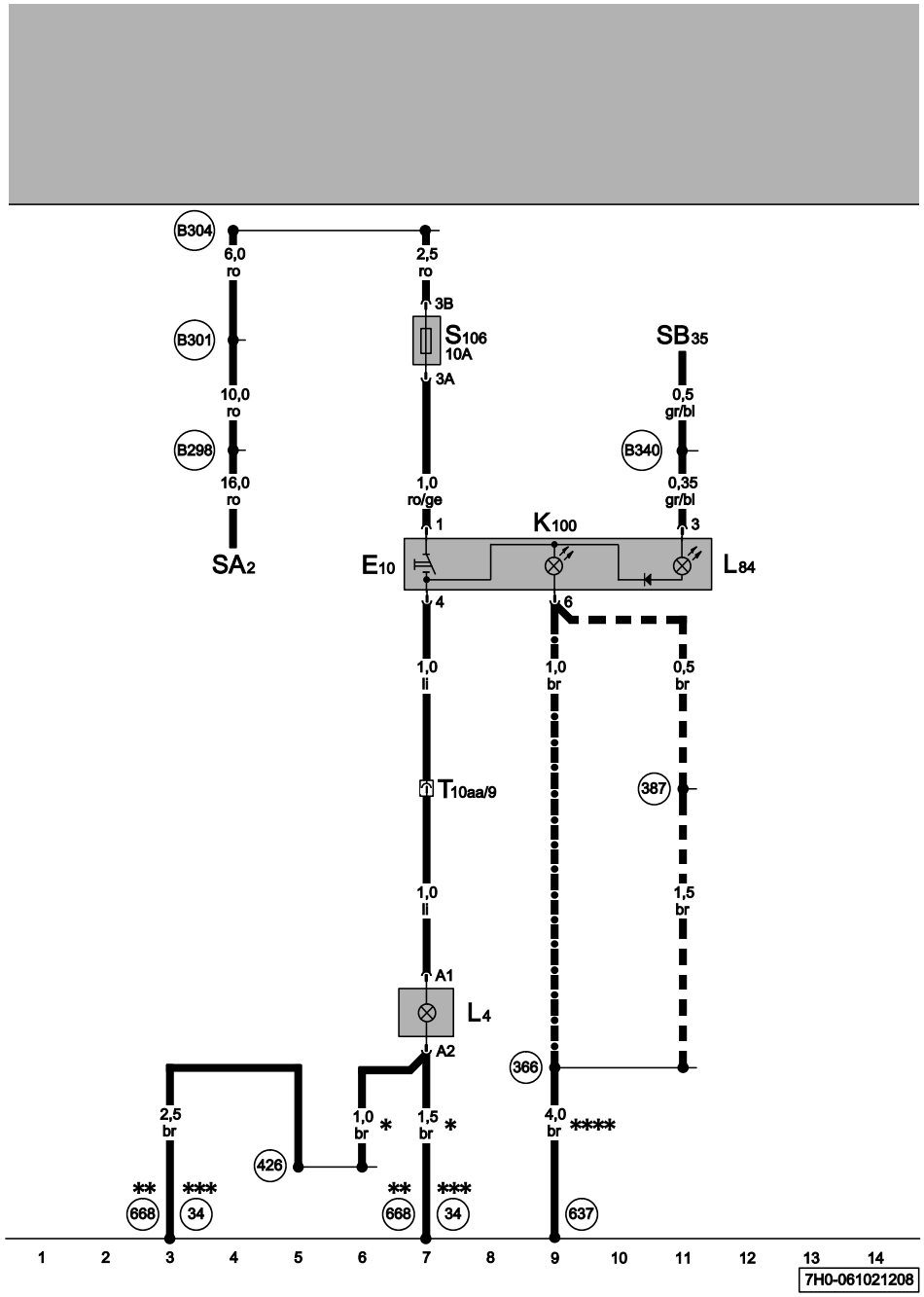
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Red Cross light switch, red Cross light bulb, rotating light fuse

E10	Red Cross light switch
K100	Red Cross light warning lamp
L4	Red Cross light bulb
L84	Red Cross light switch illumination bulb
S106	Rotating light fuse
SA2	Fuse 2 on fuse holder A
SB35	Fuse 35 on fuse holder B
T10aa	10-pin connector, dark brown, coupling station under driver seat
34	Earth point, under driver seat
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
426	Earth connection 3, in left rear end wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	depends on equipment
**	applicable up to December 2004
***	applicable from January 2005
****	Cross-section 6.0 possible
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/	applicable up to December 2005

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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applicable from January 2006

Rotating light and siren system

from September 2003

Notes:

For information concerning

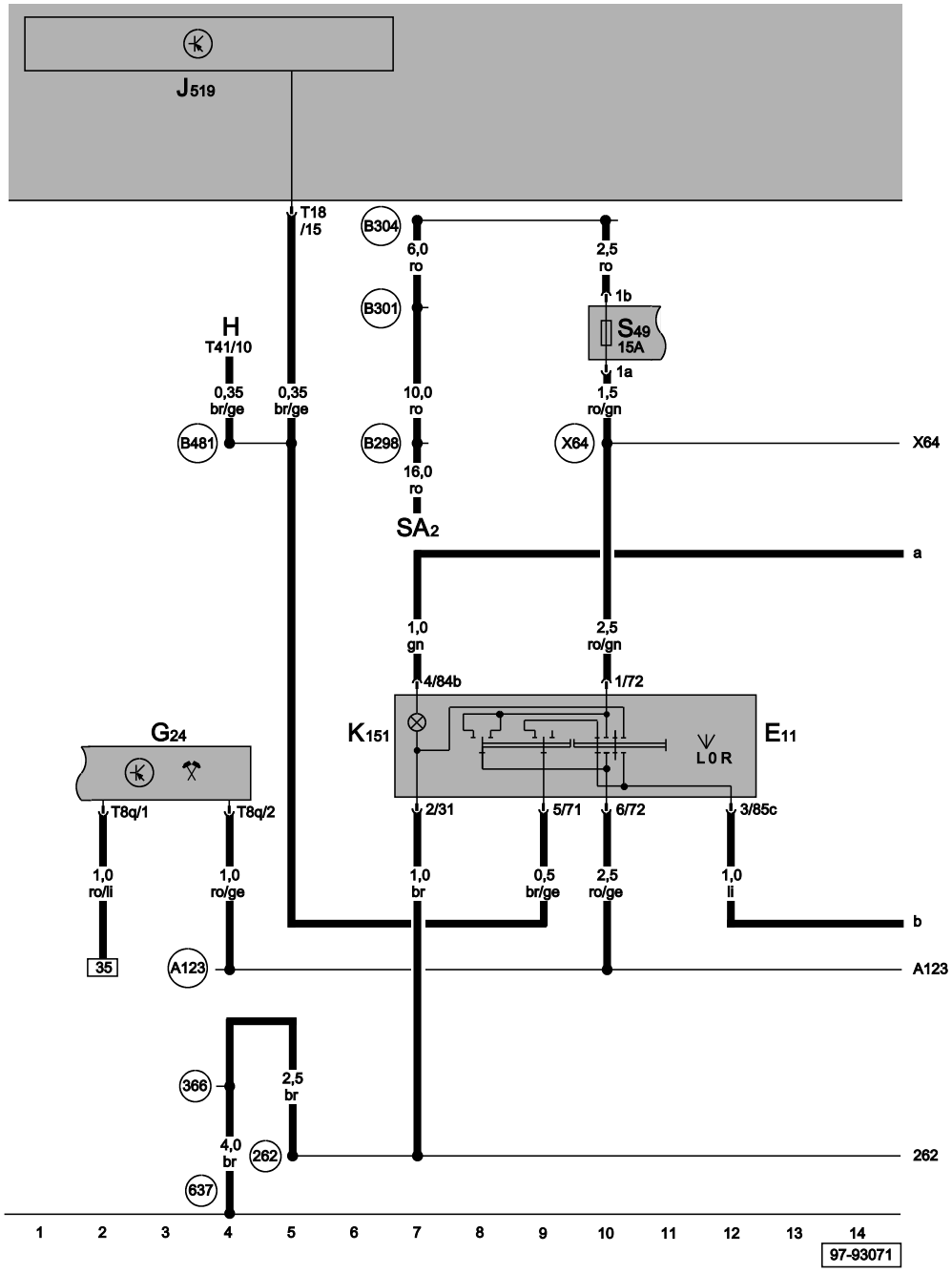
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

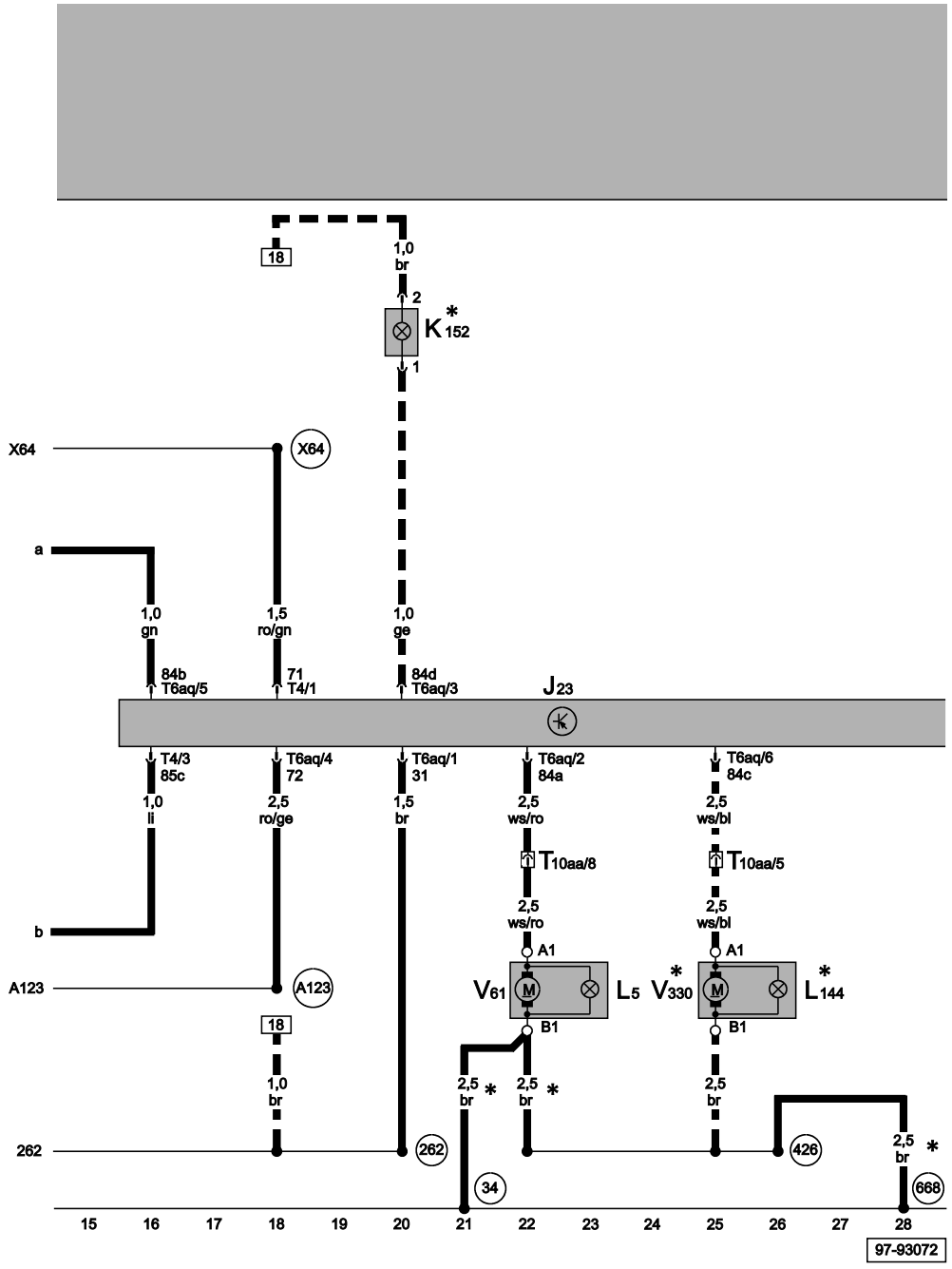
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Siren system fuse, rotating light and siren system switch, tachograph

E11	Rotating light and siren system switch
G24	Tachograph
H	Horn plate
J519	Onboard supply control unit
K151	Left rotating light warning lamp
S49	Siren system fuse
SA2	Fuse 2 on fuse holder on battery
T8q	8-pin connector, brown, *
T18	18-pin connector, black
T41	41-pin connector
262	Earth connection, in siren wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
A123	Connection (siren), in dash panel wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B481	Connection 17, in main wiring harness
X64	Positive connection (30a), in siren wiring harness
*	Connector must be sealed

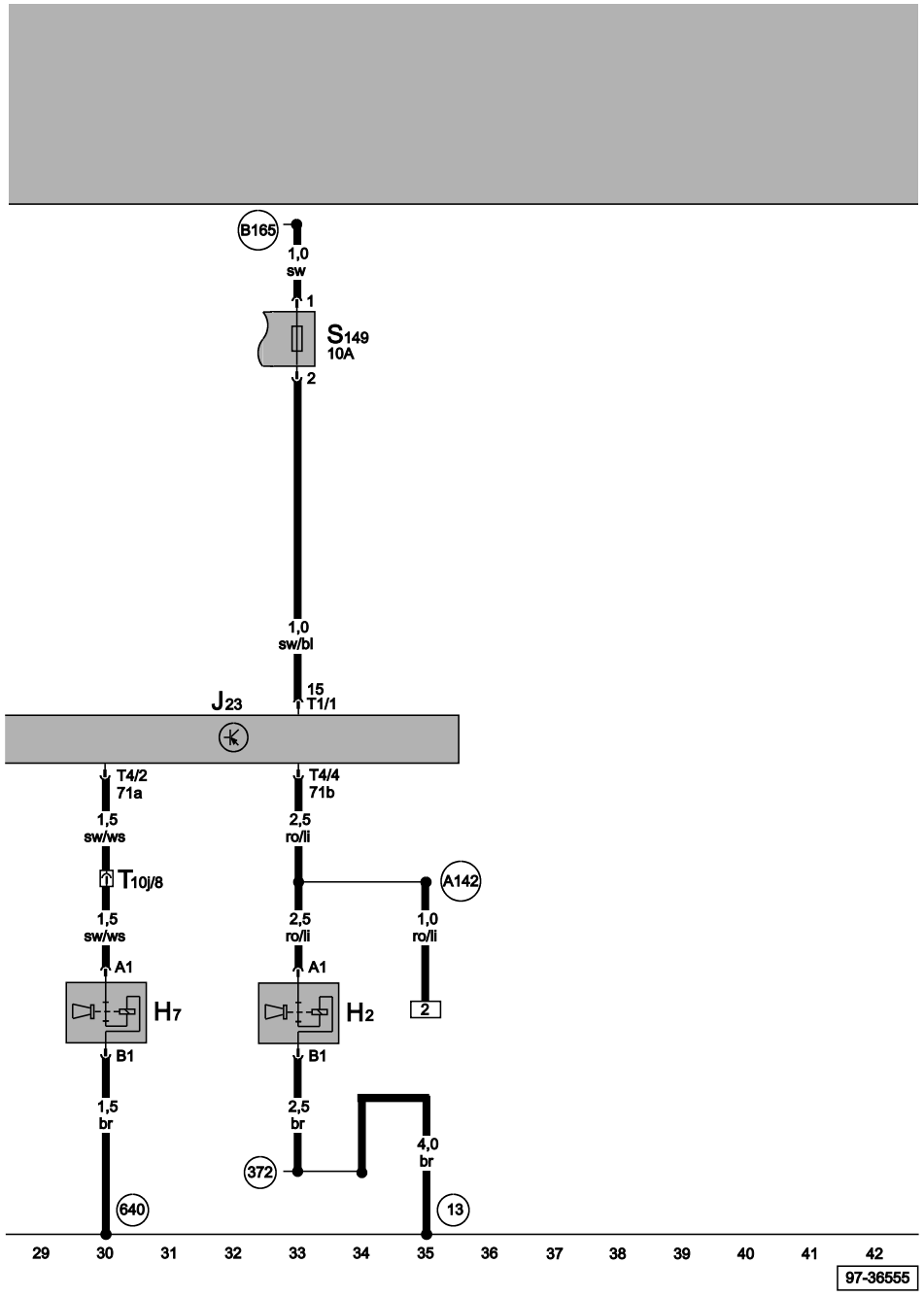


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rotating light and siren system control unit, rotating light bulb

J23	Rotating light and siren system control unit
K152	Right rotating light warning lamp
L5	Rotating light bulb
L144	Blue roof mounted rotating beacon bulb
T4	4-pin connector
T6aq	6-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
V61	Rotating light motor
V330	Blue rotating roof mounted light motor
34	Earth point, under driver seat
262	Earth connection, in siren wiring harness
426	Earth connection 3, in left rear end wiring harness
668	Earth point -2-, left D-pillar
A123	Connection (siren), in dash panel wiring harness
X64	Positive connection (30a), in siren wiring harness
*	Depends on equipment

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wire is dropped from February 2004



Siren system fuse 2, rotating light and siren system control unit, treble tone horn, bass tone horn

H2	Treble tone horn
H7	Bass tone horn
J23	Rotating light and siren system control unit
S149	Siren system fuse 2
T1	1-pin connector
T4	4-pin connector
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
640	Earth point, left in engine compartment
A142	Positive connection 2 (siren), in dash panel wiring harness
B165	Positive connection 2 (15), in interior wiring harness

ws	=	white
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or	=	orange
rs	=	pink

Day driving light

from March 2003

Notes:

For information concerning

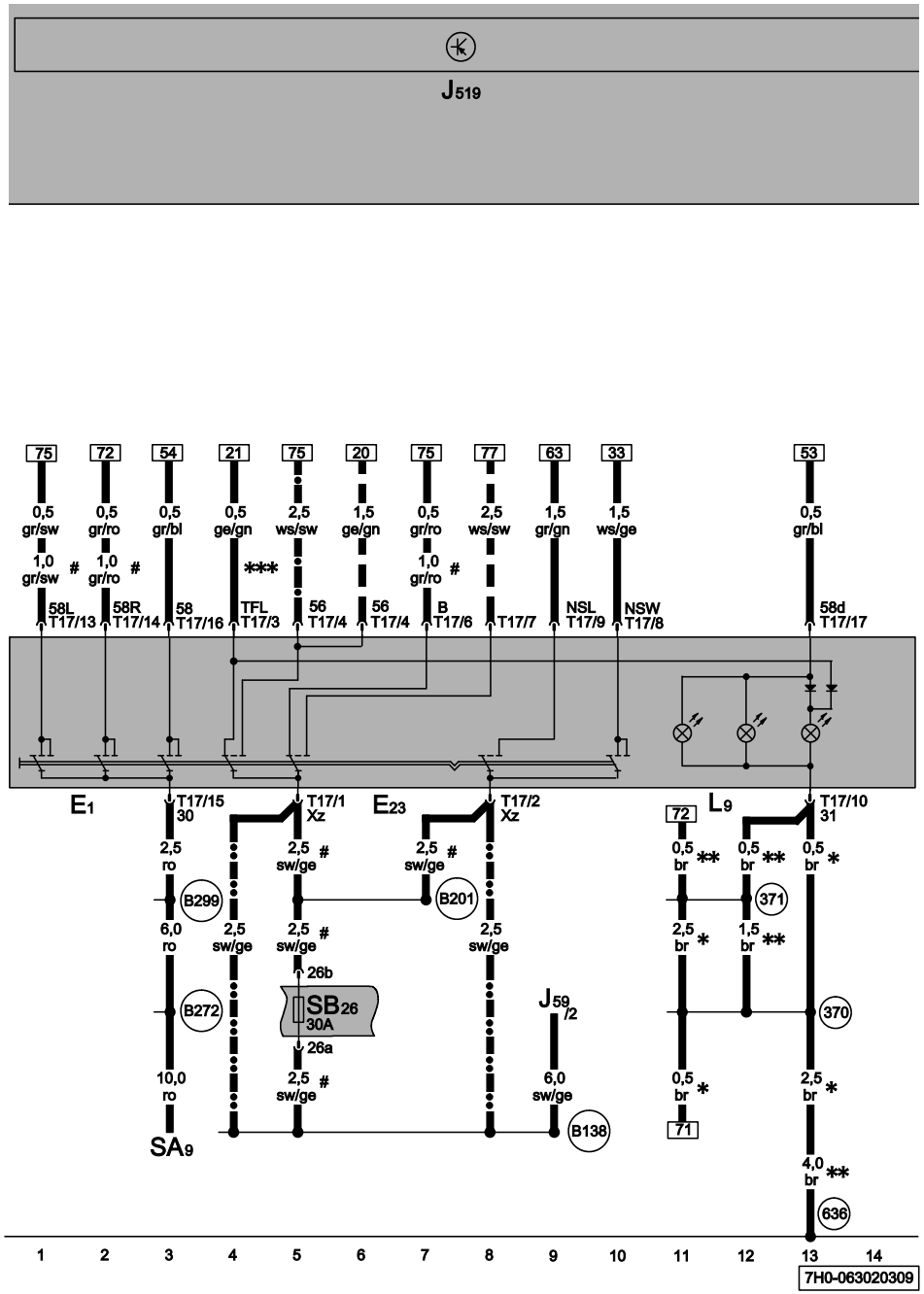
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

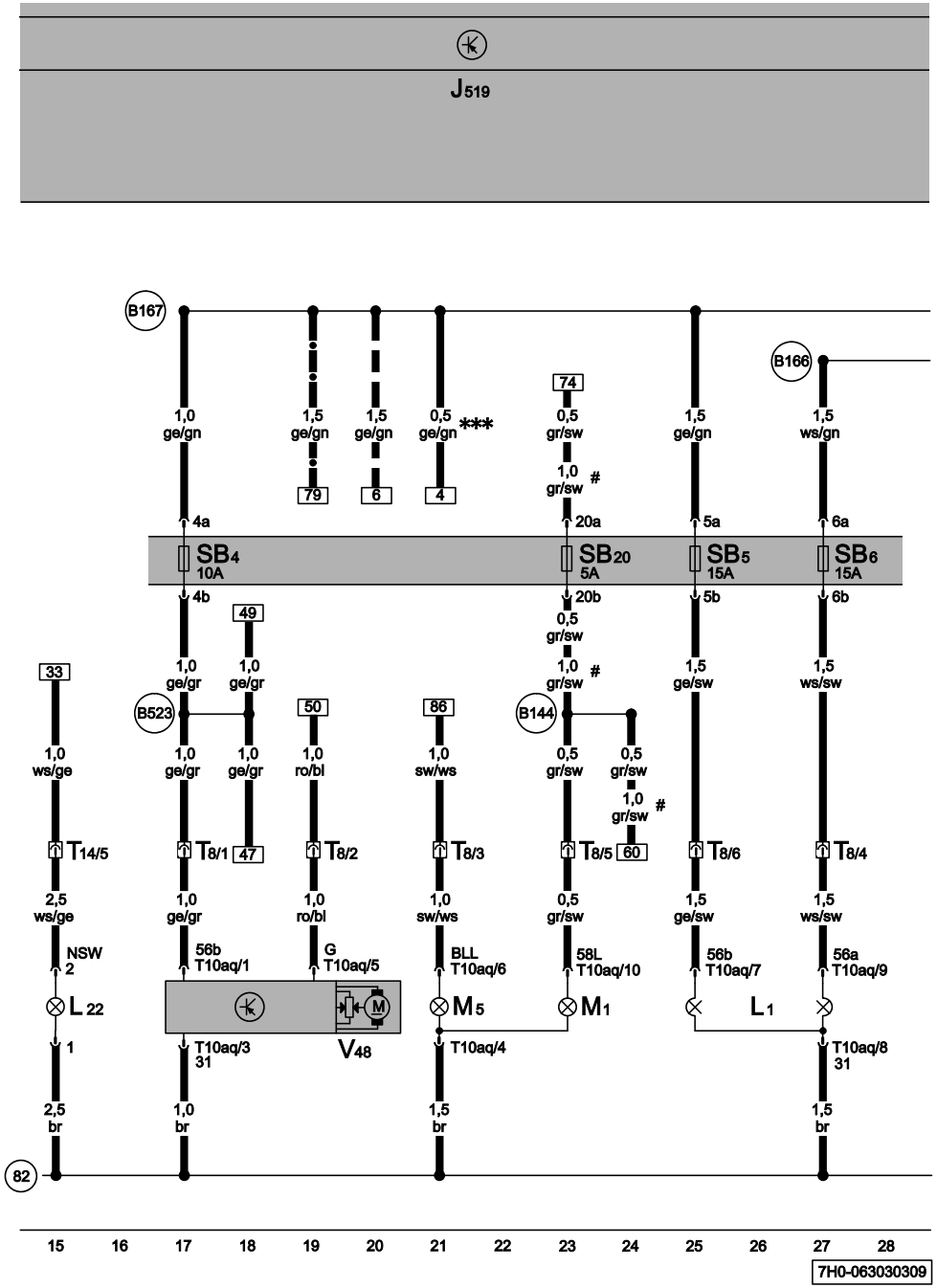
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
#	applicable from February 2004

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for multivan, caravelle or camper Comfortline only

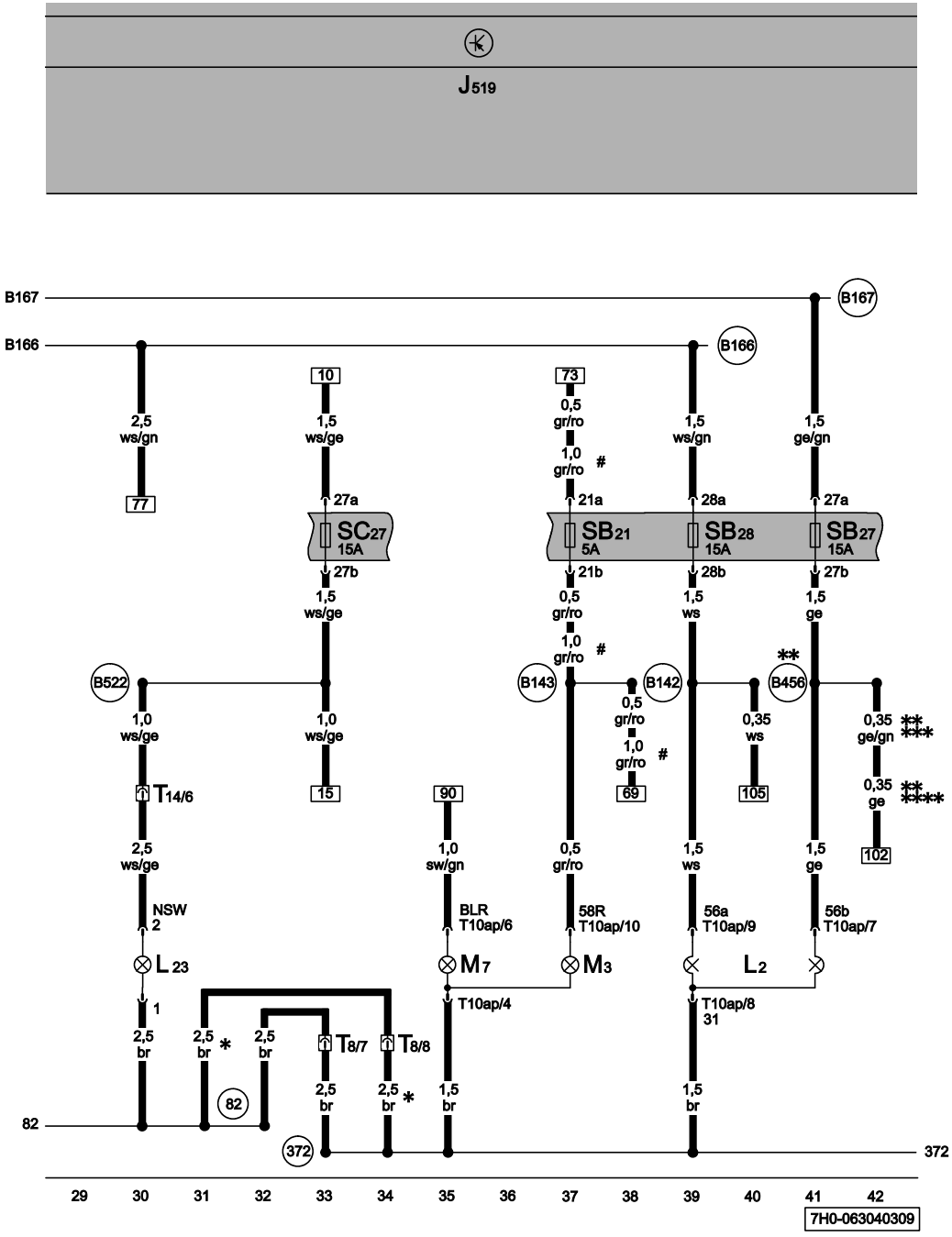
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Left twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor, left fog light bulb

J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
#	applicable from February 2004
***	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
<fo:external-graphic src="../	for multivan, caravelle or camper Comfortline only

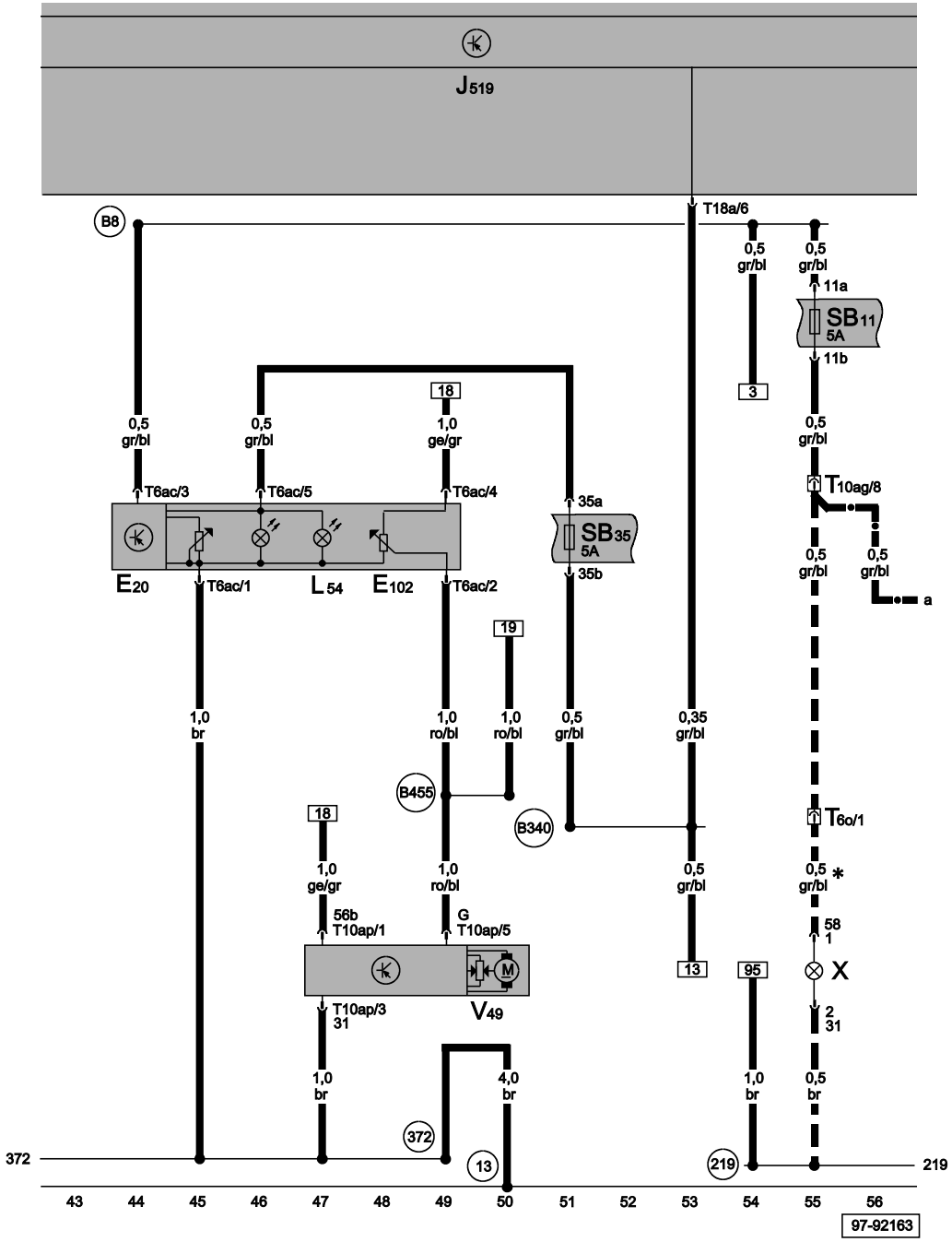


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, right fog light bulb

J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness

* for models with front fog light only
** for models with USA-versions only
*** applicable up to January 2004
**** applicable from February 2004
# applicable from February 2004



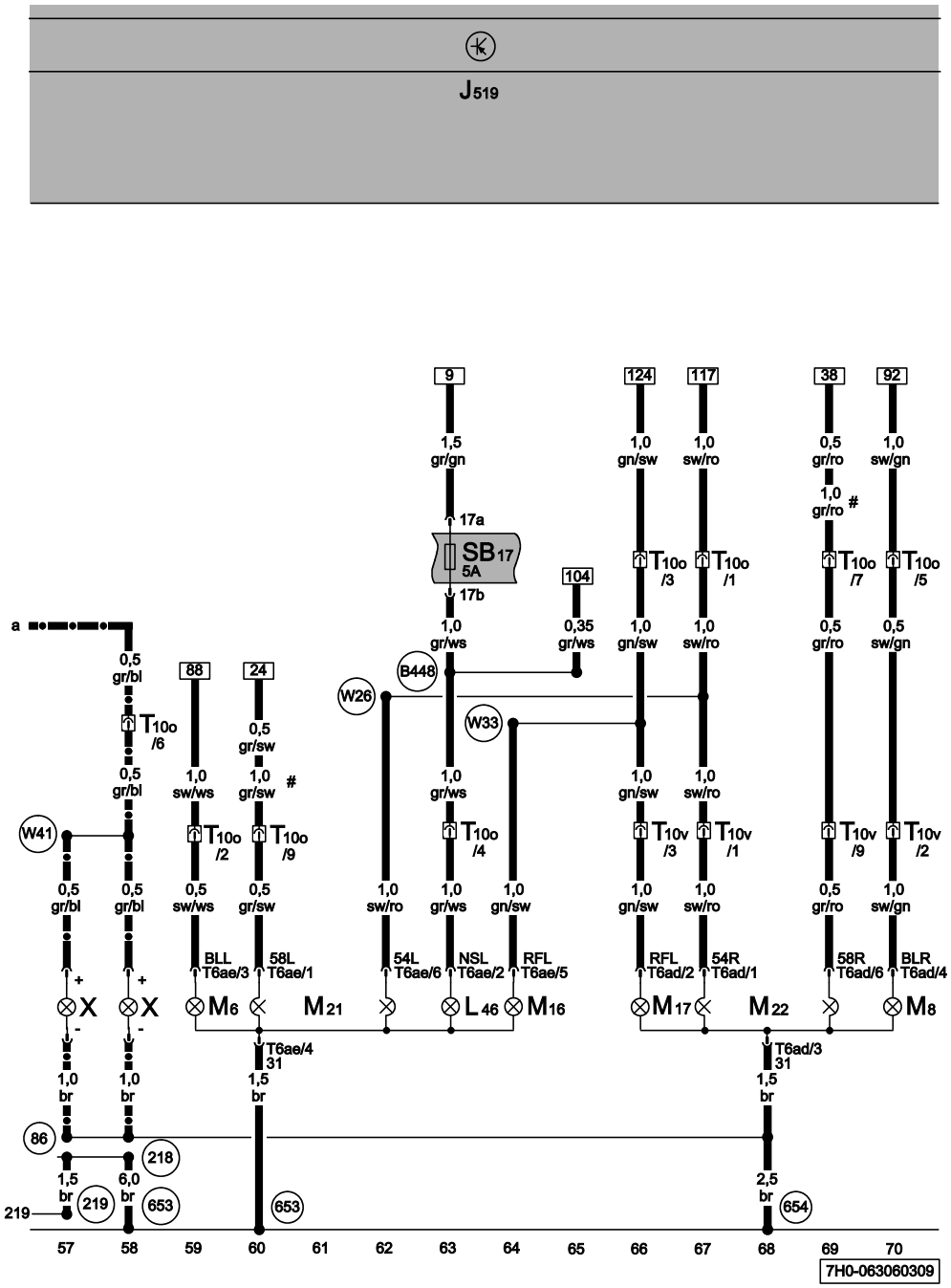
ws = white

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6o	6-pin connector, red, coupling station on left of D-pillar
T6ac	6-pin connector
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
219	Earth connection 2, in rear lid wiring harness
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	Wire colour is white and wire is printed, from February 2004
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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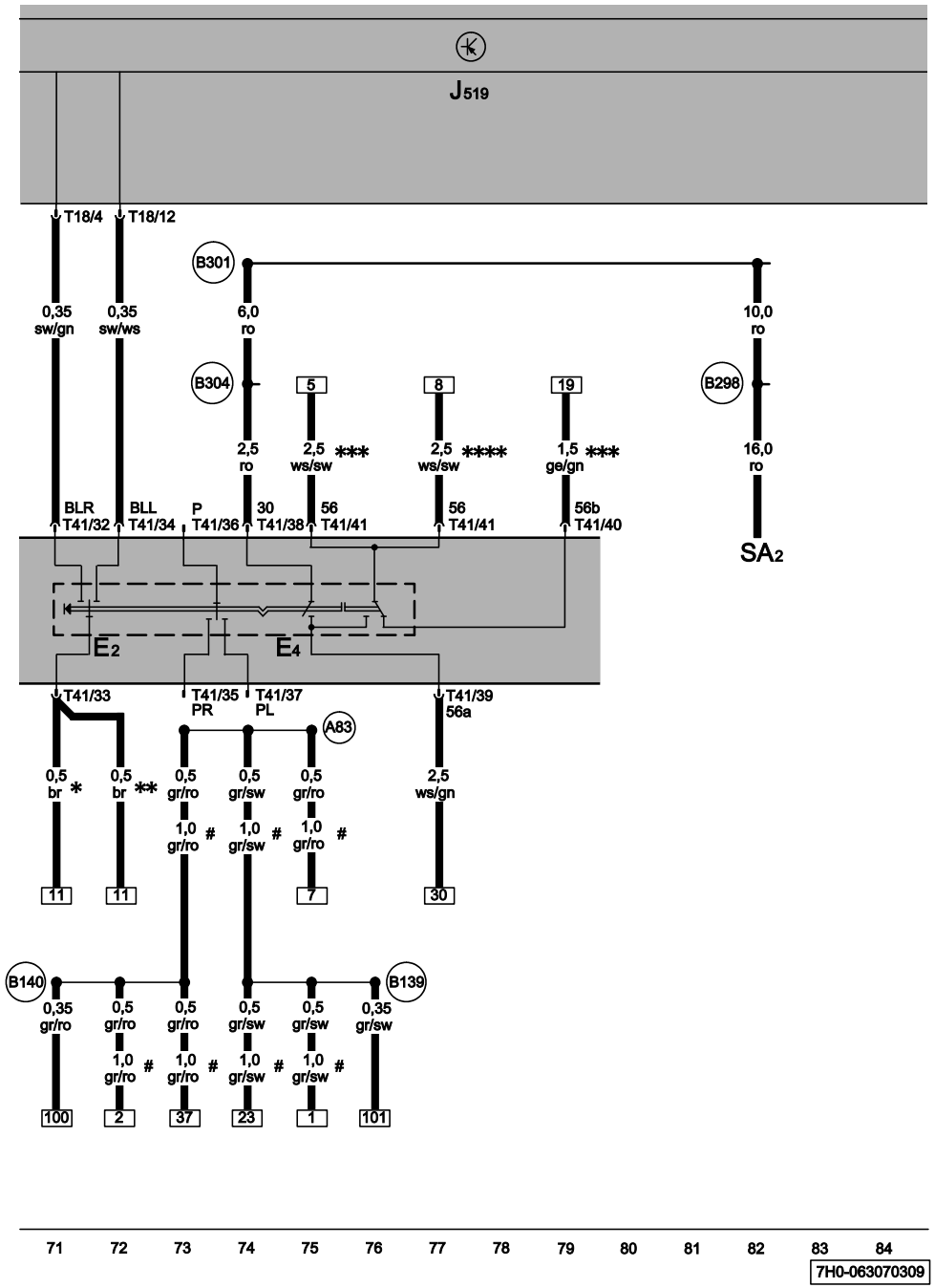


ws = white

Left and right brake and tail light bulb, Rear left and right turn signal bulb, reversing light, rear fog light, number plate light

J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
SB17	Fuse 17 on fuse holder B
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
X	Number plate light
86	Earth connection 1, in rear wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B448	Connection (rear fog light), in main wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
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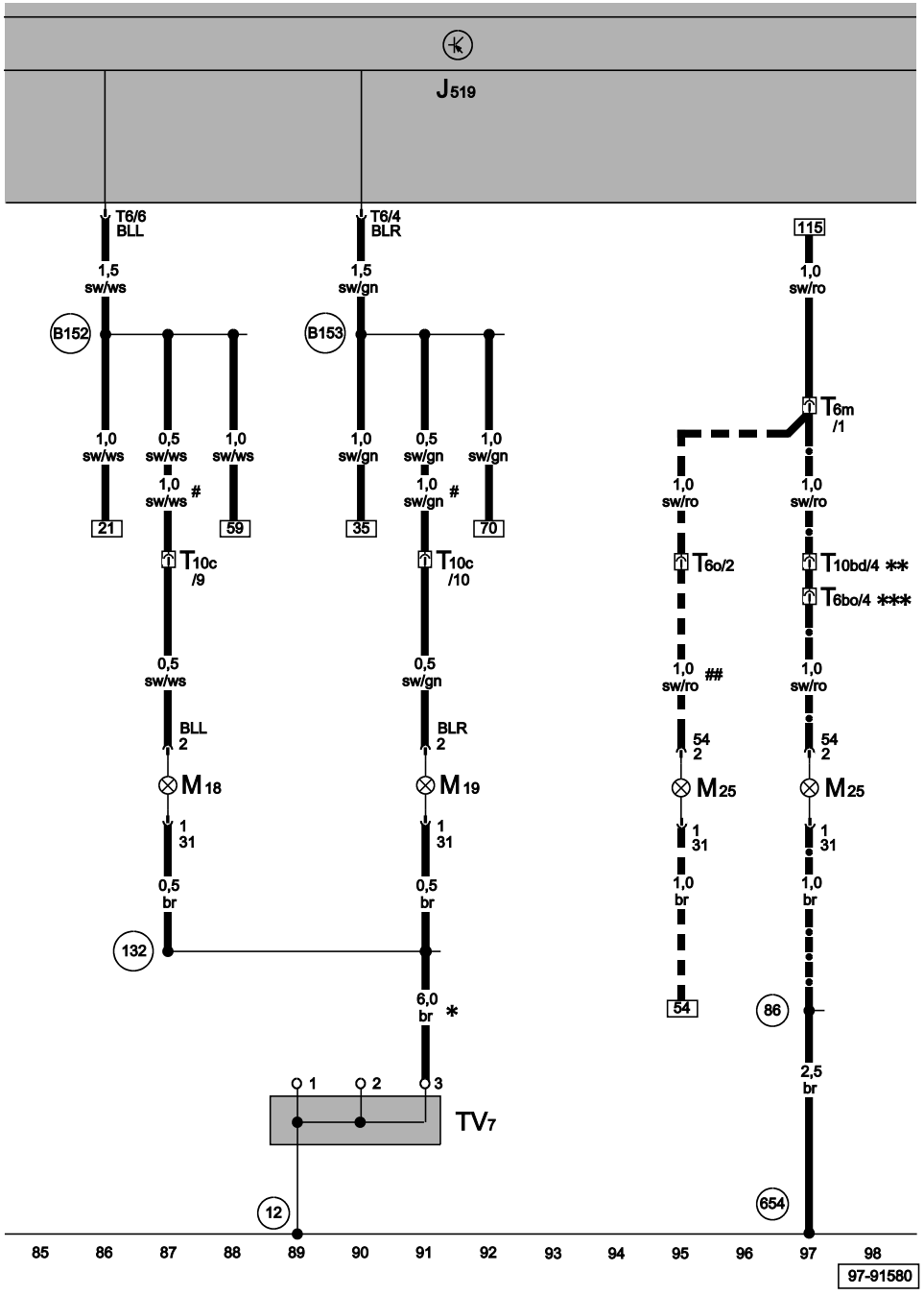
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or = orange >
rs = pink # applicable from February 2004



Turn signal switch, headlight dipper/flasher switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
***	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
****	for multivan, caravelle or camper Comfortline only
#	applicable from February 2004

ws	=	white
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard supply control unit, left and right side mounted turn signal bulb, high level brake light bulb

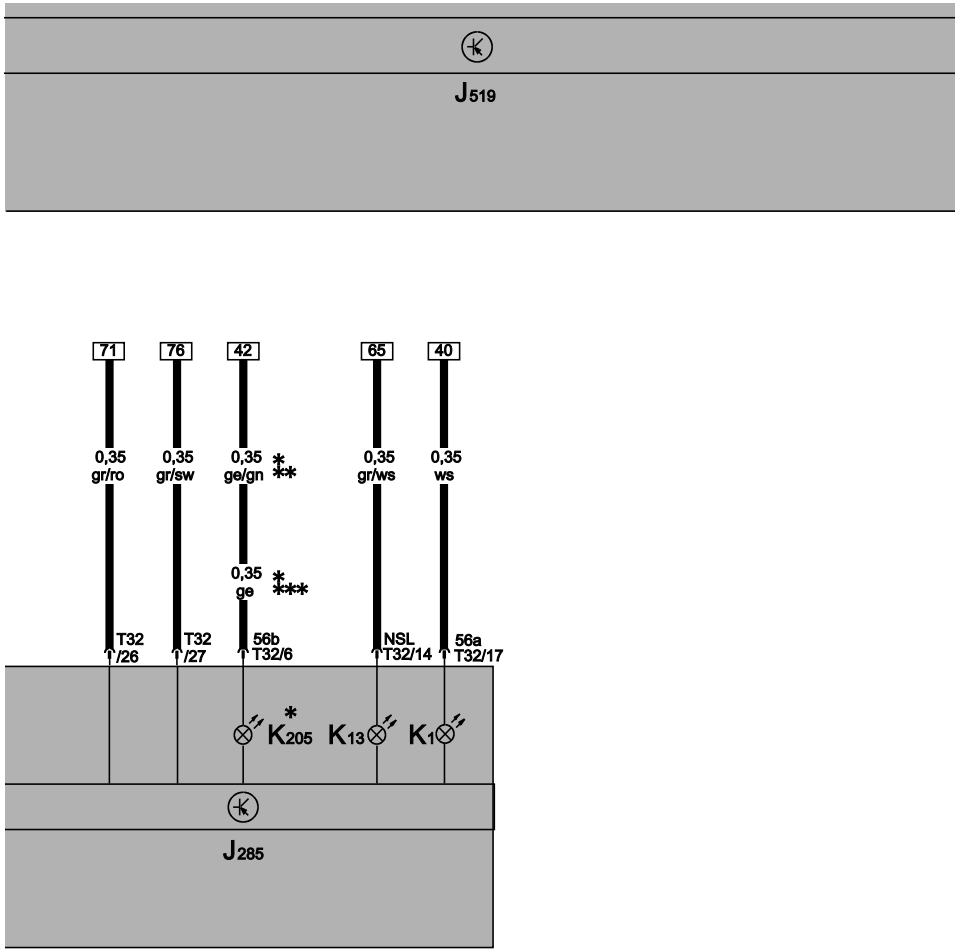
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
M25	High level brake light bulb
T6	6-pin connector, black
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 4.0 possible
**	applicable up to November 2003
***	applicable from December 2003
#	applicable from February 2004
##	Wire colour is white and wire is printed, from February 2004

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for models without high roof only

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or	=	orange
rs	=	pink

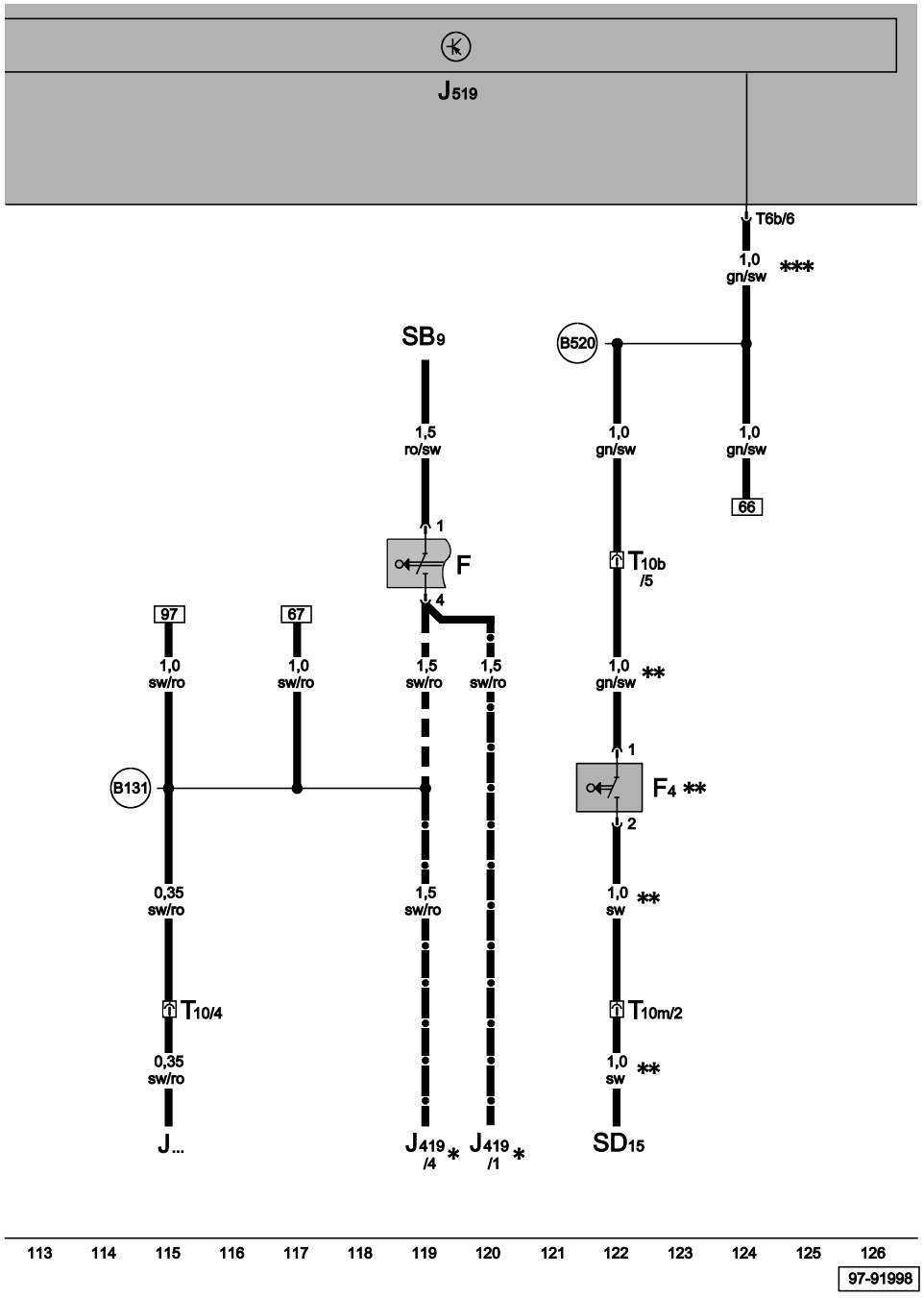
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Main beam warning lamp, rear fog light and day driving light

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
K205	Warning lamp for day driving lights
T32	32-pin connector, blue
*	for models with USA-versions only
**	applicable up to January 2004
***	applicable from February 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J...	Engine control units
J419	Brake light additional relay
J519	Onboard supply control unit
SB9	Fuse 9 on fuse holder B
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ ABS Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox, signal output only

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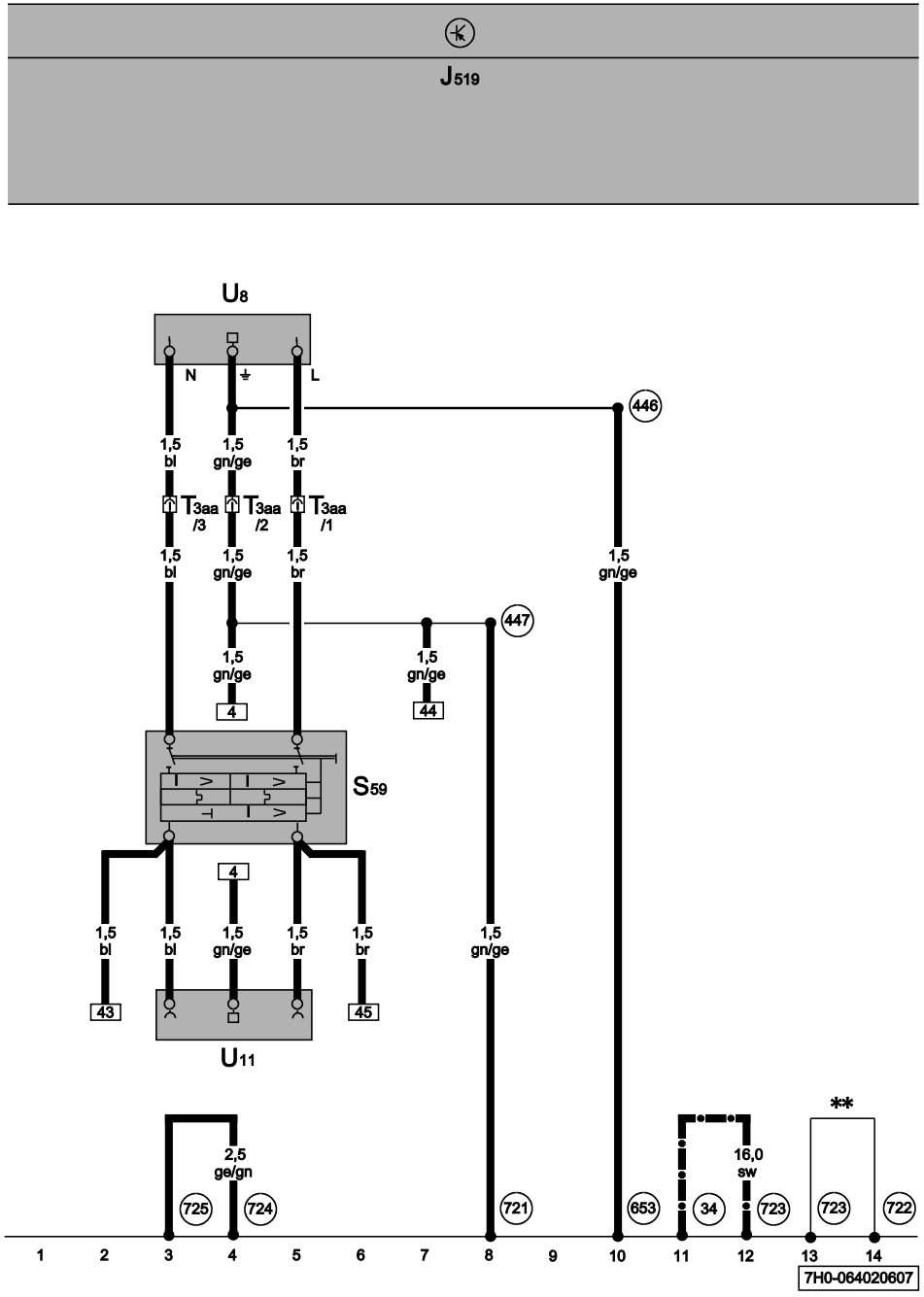
Camping equipment

⇒ **California**
⇒ **California Comfortline**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

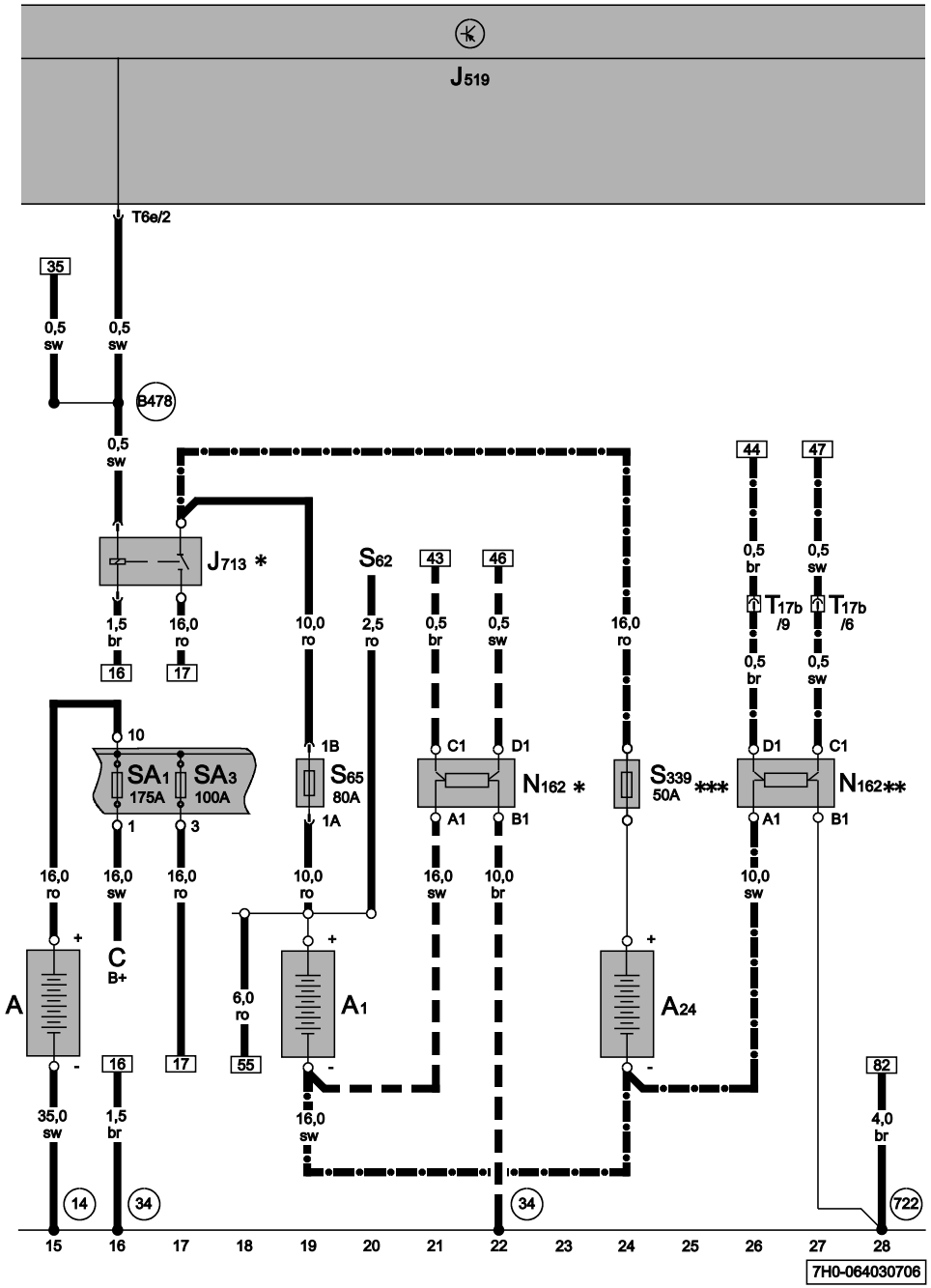


ws = white
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ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

220 V, 110 V external socket, 220 V, 110 V internal socket, 220 V automatic personnel protection circuit breaker

J519 Onboard supply control unit
S59 220 V automatic personnel protection circuit breaker
T3aa 3-pin connector, white, near left D-pillar
U8 230 V external socket, 220 V, 110 V
U11 Internal socket, 230 V, 110 V, near sink

34 Earth point, under driver seat
446 Earth conductor connection 1
447 Earth conductor connection 2
653 Earth point, left D-pillar
721 Earth point 1 for special constructions
722 Earth point 2 for special constructions
723 Earth point 3 for special constructions
724 Earth point 4 for special constructions
725 Earth point 5 for special constructions
** Earth connection via the cupboard floor
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Battery, second battery, battery for special vehicle, second battery charging circuit relay, battery charge control measuring resistor, fuses

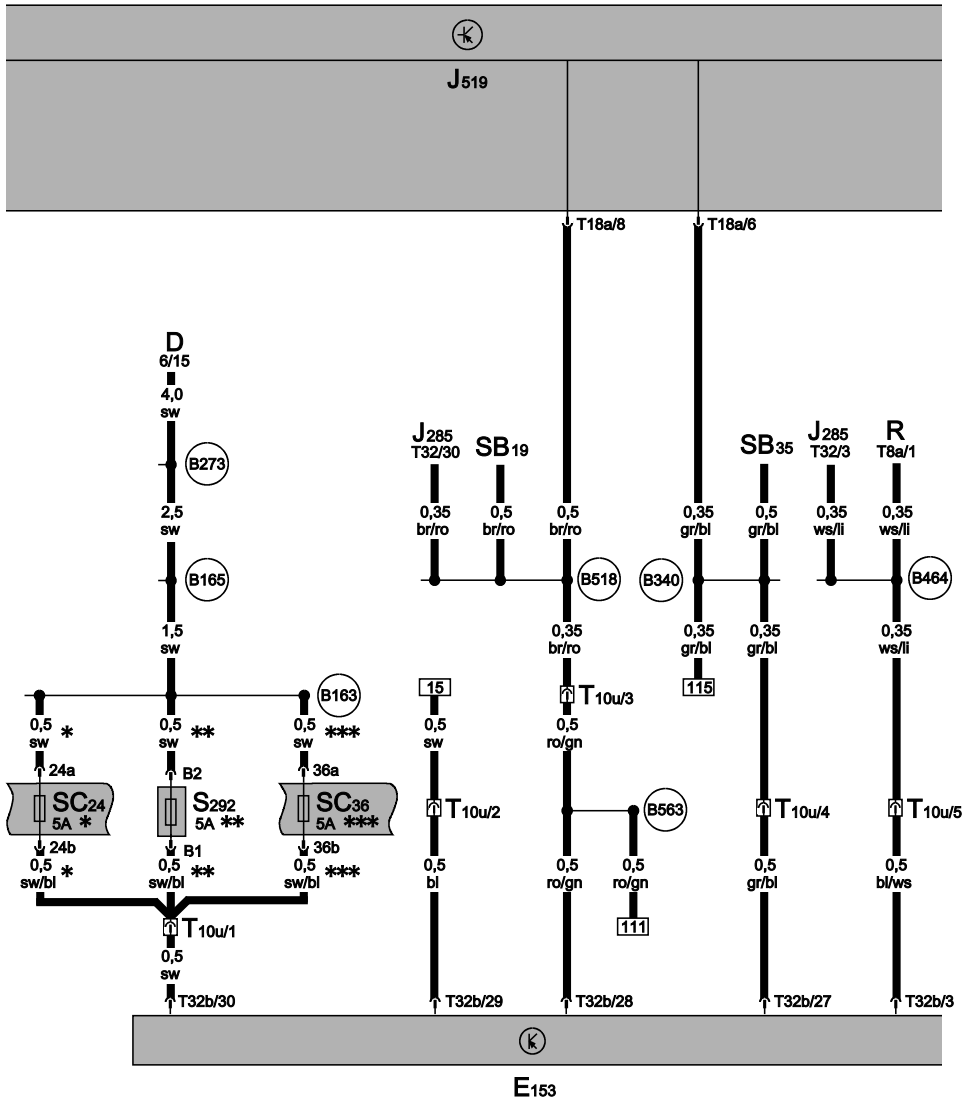
A	Battery
A1	Second battery
A24	Battery for special vehicle, in cupboard
C	Alternator
J519	Onboard supply control unit
J713	Second battery charging circuit relay, left seat box
N162	Battery charge control measuring resistor
S62	Auxiliary heater fuse
S65	2nd battery fuse, left seat box
S339	Battery fuse in special vehicle
SA1	Fuse 1 on fuse holder A
SA3	Fuse 3 on fuse holder A
T6e	6-pin connector, red
T17b	17-pin connector, black, in lower cupboard
14	Earth point, on gearbox
34	Earth point, under driver seat
722	Earth point 2 for special constructions
B478	Connection 14 in main wiring harness
*	on left in seat box ⇒ Fitting Locations camper
**	in cupboard, next to lower refrigerator ⇒ Fitting Locations camper
***	On the battery

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for models with battery for special vehicles only

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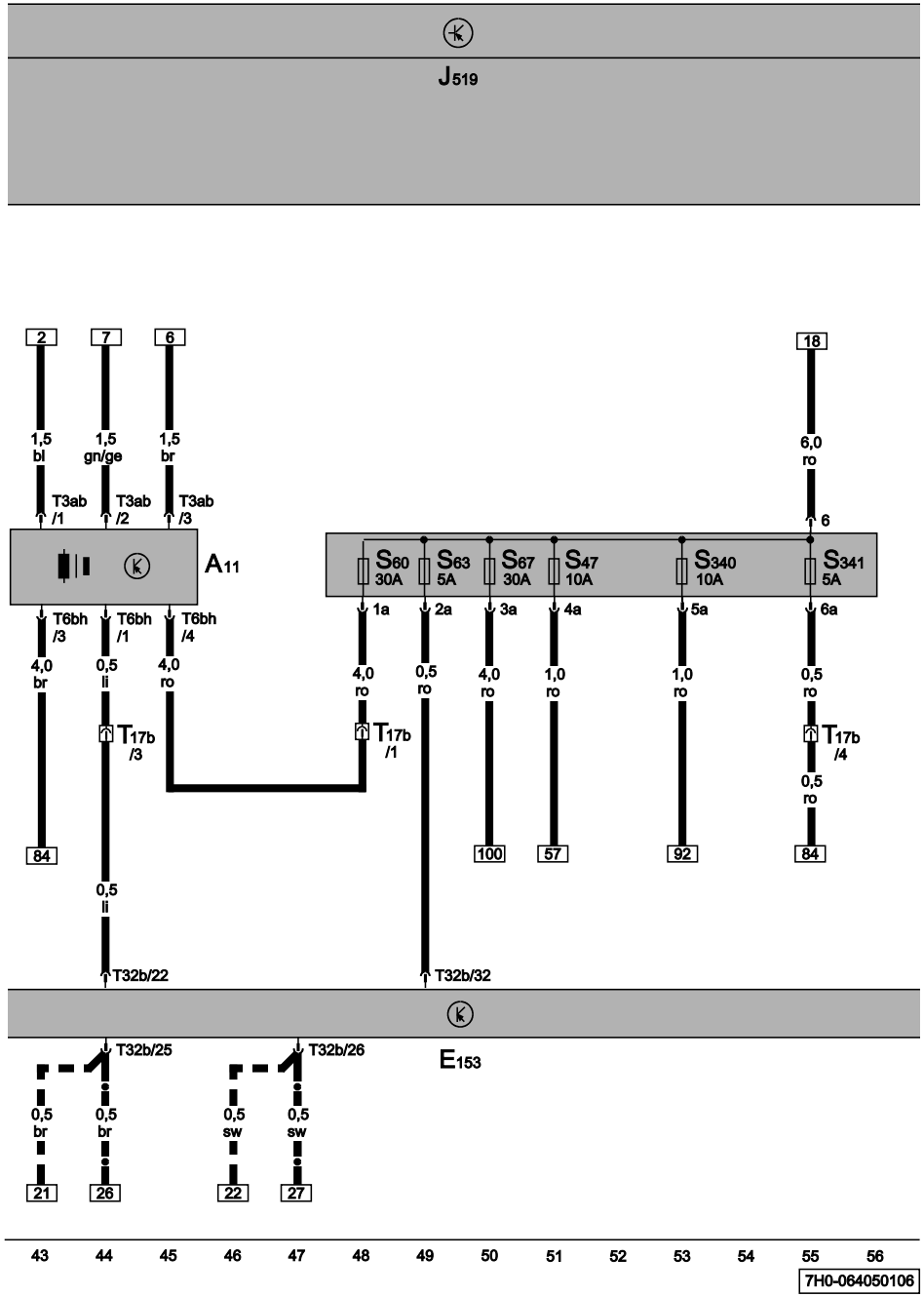
for models without battery for special vehicles only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, operating and display unit for camping equipment

D	Ignition/starter switch
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J519	Onboard supply control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SB35	Fuse 35 on fuse holder B
S292	Special vehicle fuse 2
SC24	Fuse 24 on fuse holder C
SC36	Fuse 36 on fuse holder C
T8a	8-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	applicable up to January 2004
**	applicable in February 2004
***	applicable from March 2004



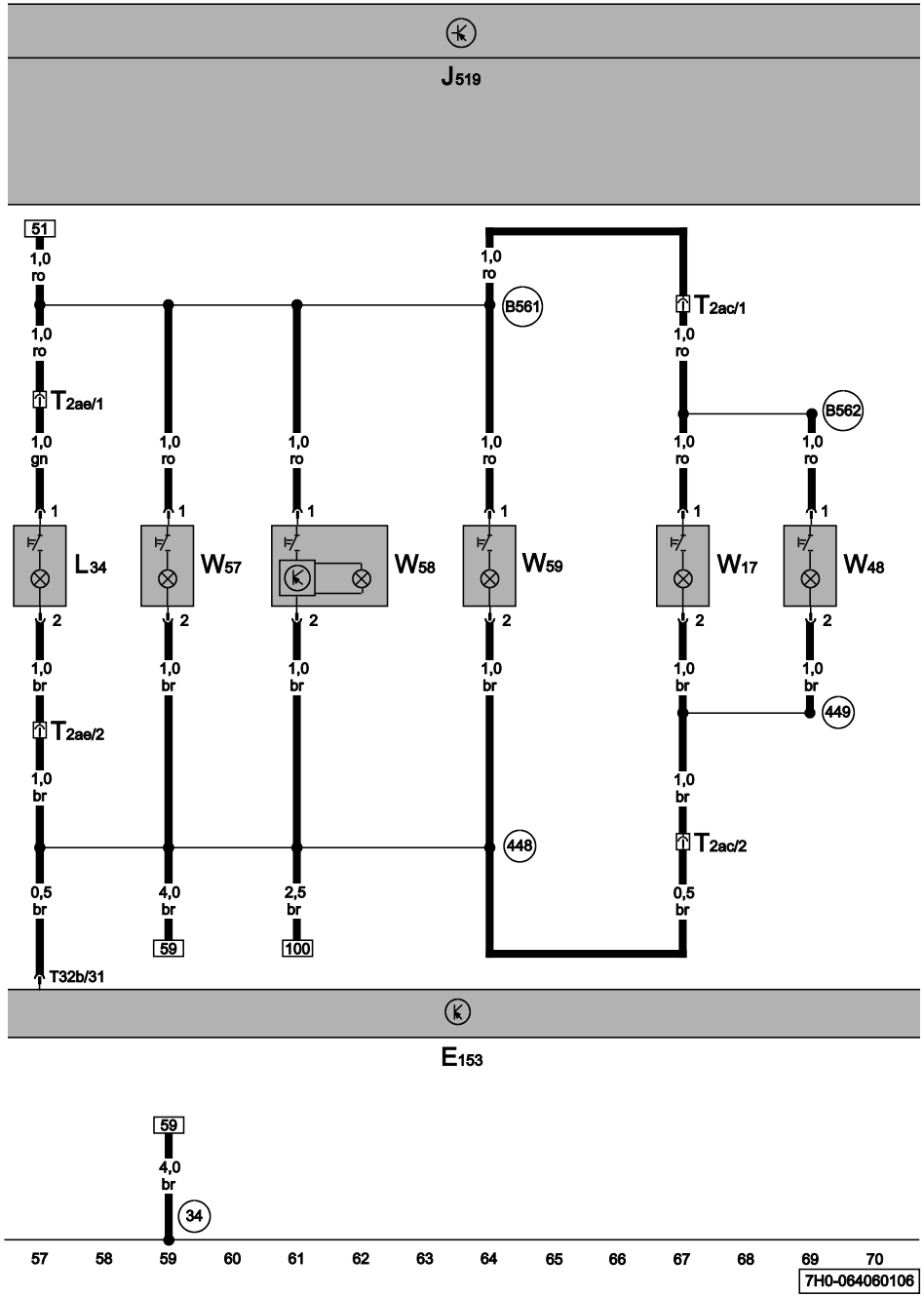
Onboard supply charger unit, fuses, operating and display unit for camping equipment

A11	Onboard supply charger unit
E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
S47	Reading light and interior light fuse, blue
S60	Charging unit fuse, black
S63	Display unit fuse, black
S67	Convertible roof actuation, white
S340	Refrigerator box fuse, grey
S341	Water pump fuse, violet
T3ab	3-pin connector
T6bh	6-pin connector
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black

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samba/
tools/
png-
convert/
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m_k_m.p
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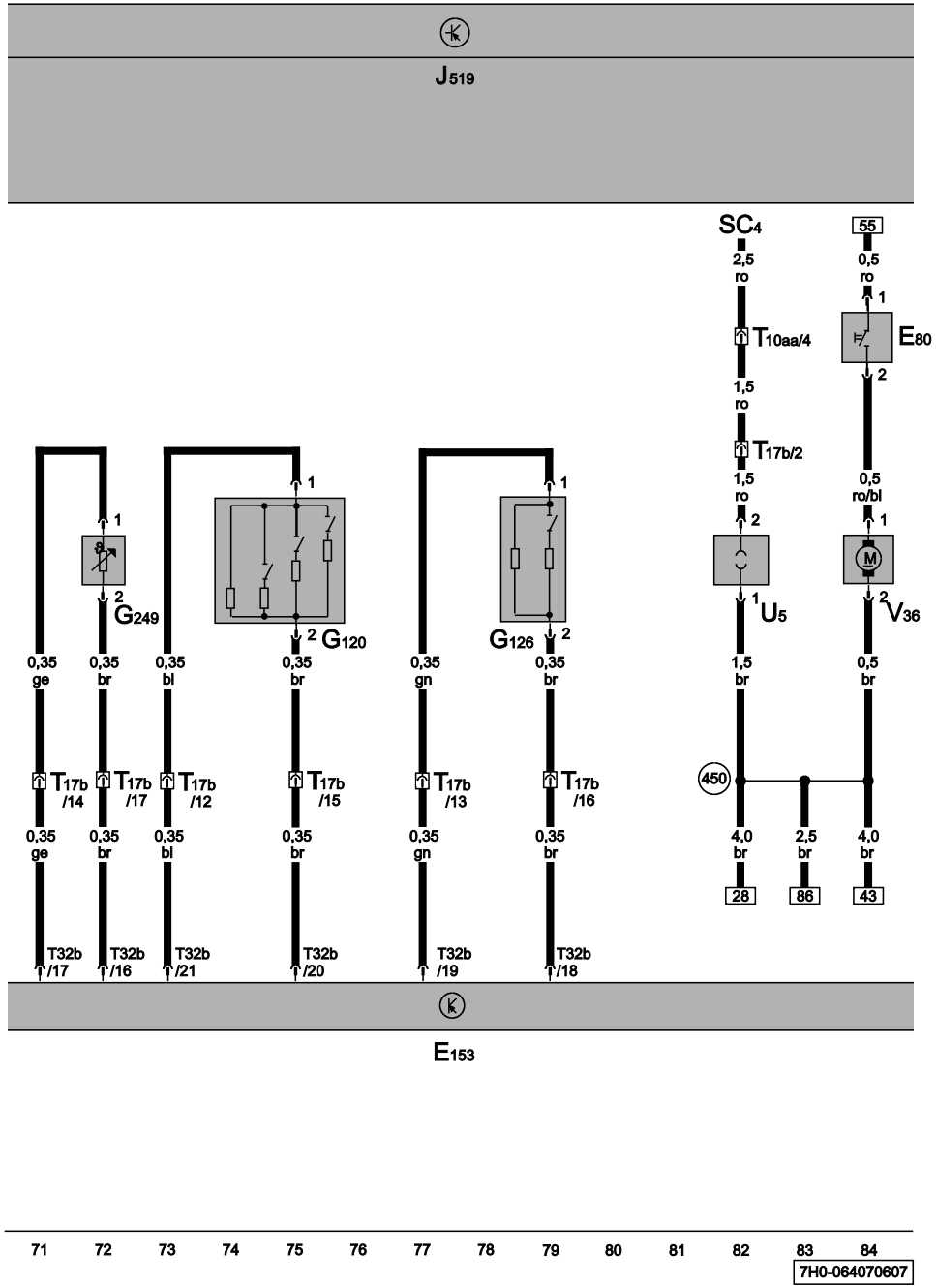
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li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



Operating and display unit for camping equipment, map reading light bulb, interior lights, kitchenette light

E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
L34	Map reading light bulb
T2ac	2-pin connector, black, between the seats, near handbrake lever
T2ae	2-pin connector, near map reading light bulb
T32b	32-pin connector, black
W17	Right interior light
W48	Rear right interior light
W57	Kitchenette light 1
W58	Kitchenette light 2
W59	Kitchenette light 3
34	Earth point, under driver seat
448	Earth connection 1, in camper wiring harness
449	Earth connection 2, in camper wiring harness
B561	Positive connection 1, in Camper wiring harness
B562	Positive connection 2, in Camper wiring harness

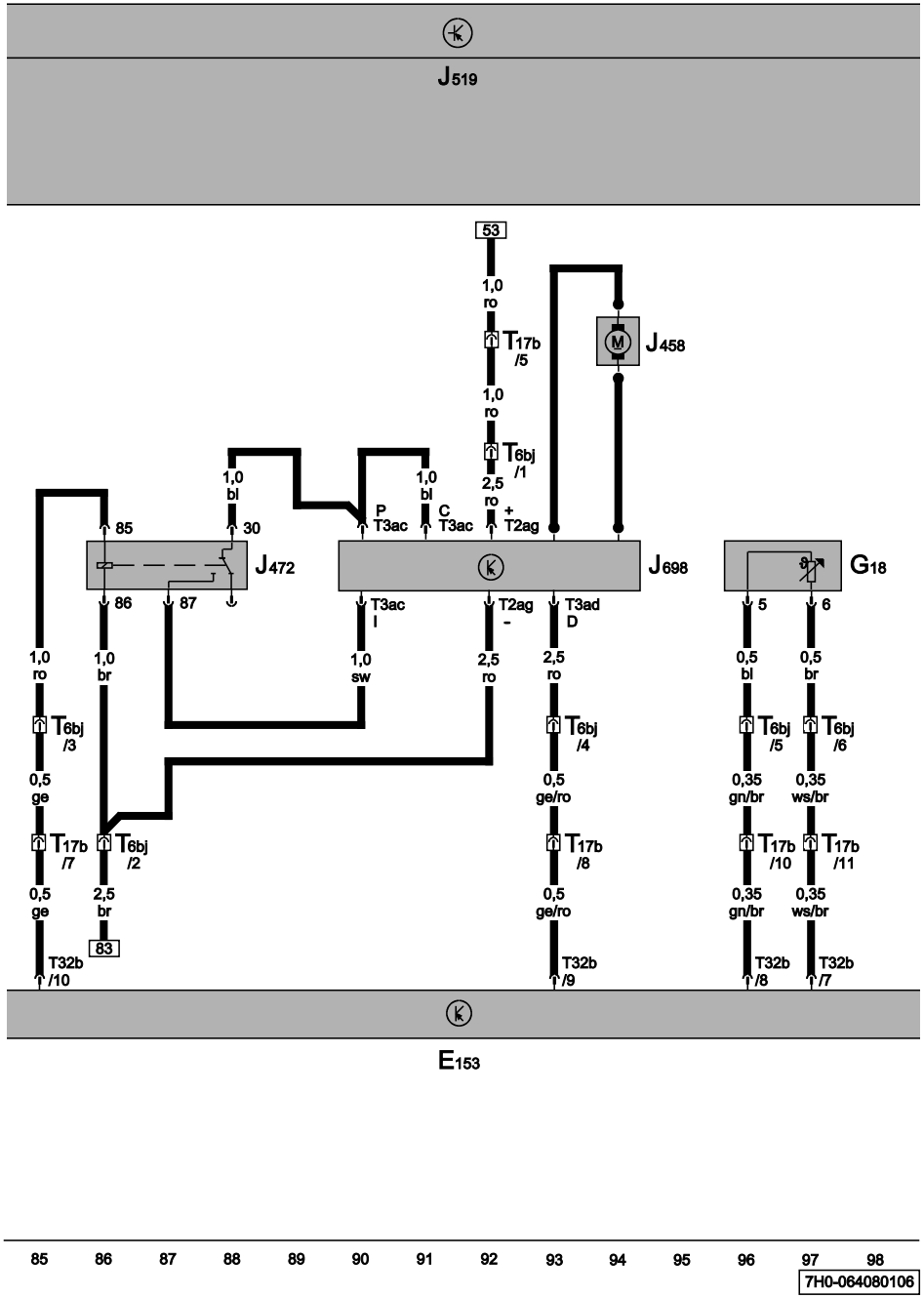
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ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, water level sender, ambient temperature sender 2, 12 V socket, water pump switch, water pump

E80	Water pump switch
E153	Operating and display unit for camping equipment
G120	Water level sender
G126	Waste water level sender
G249	Ambient temperature sender 2
J519	Onboard supply control unit
SC4	Fuse 4 on fuse holder C
T10aa	10-pin connector, dark brown, coupling station under driver seat
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black
U5	12 V socket, near sink
V36	Water pump
450	Earth connection 3, in camper wiring harness

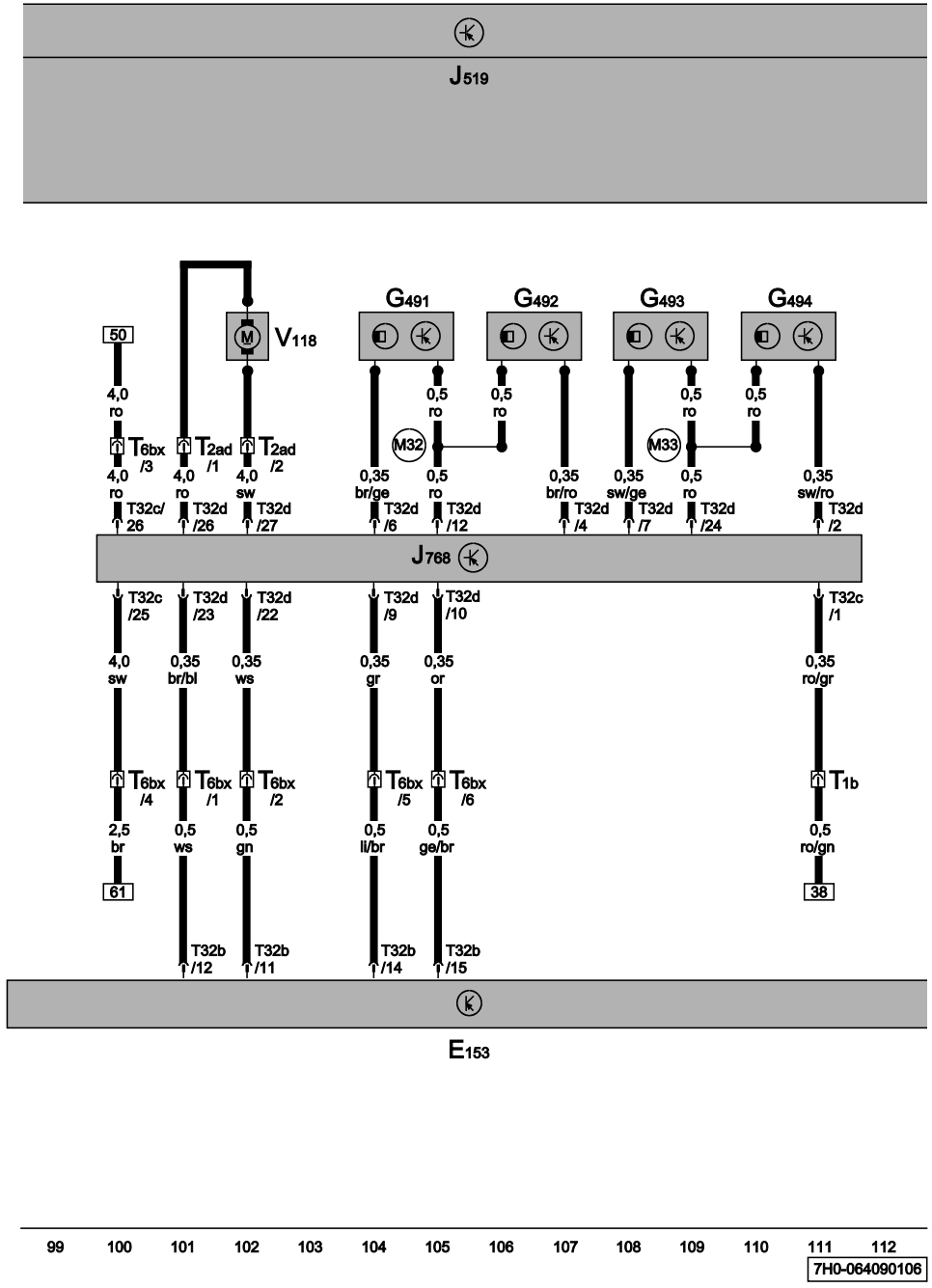
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ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, refrigerator box, refrigerator compressor relay

E153	Operating and display unit for camping equipment
G18	Temperature sensor
J458	Refrigerator compressor
J472	Refrigerator compressor relay
J519	Onboard supply control unit
J698	Refrigerator box
T2ag	2-pin connector
T3ac	3-pin connector
T3ad	3-pin connector
T6bj	6-pin connector, light-grey, near refrigerator box
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black

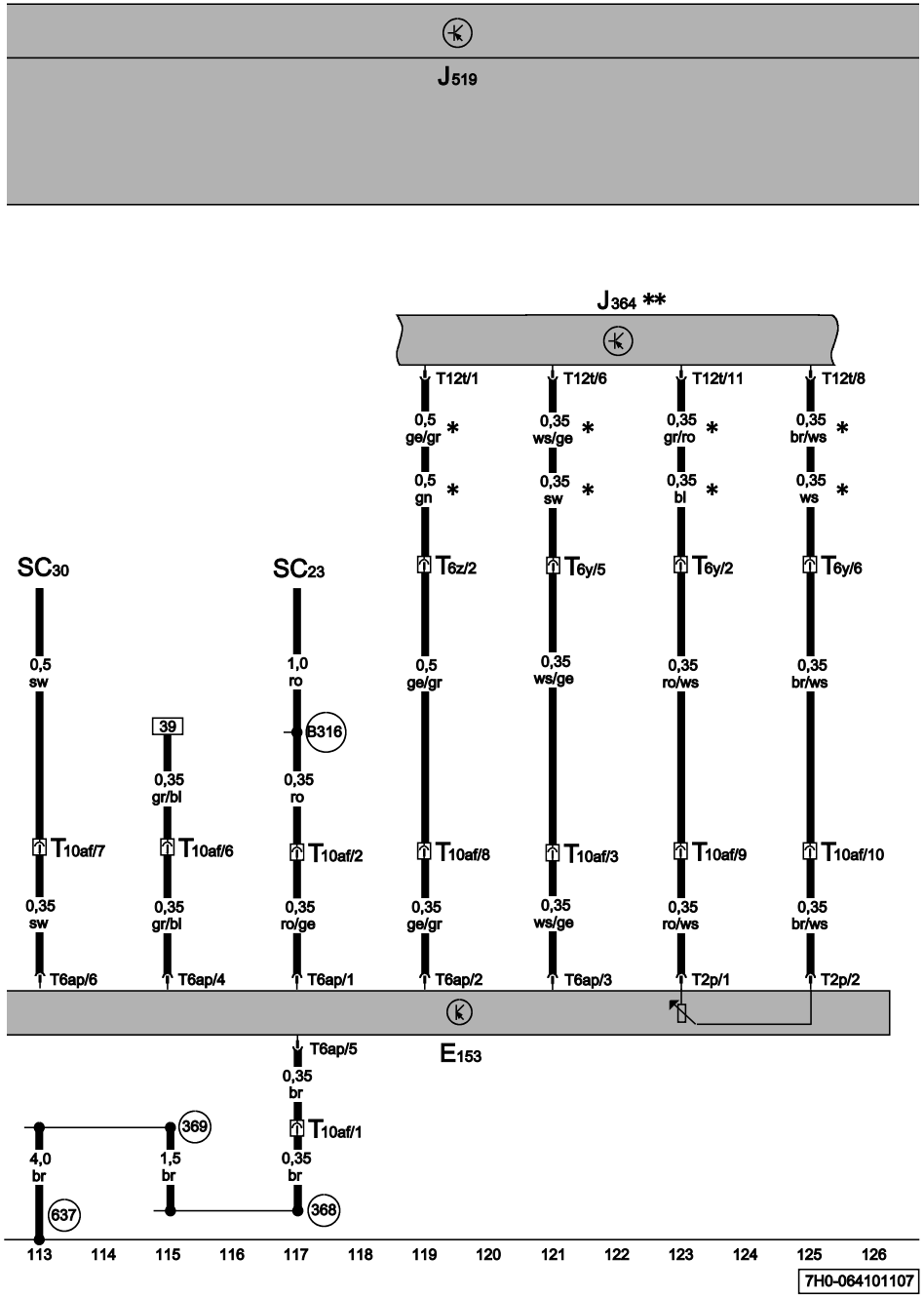
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, roof hydraulics control unit, roof hydraulics sender, convertible roof actuation hydraulic pump

E153	Operating and display unit for camping equipment
G491	Roof hydraulics sender 1
G492	Roof hydraulics sender 2
G493	Roof hydraulics sender 3
G494	Roof hydraulics sender 4
J519	Onboard supply control unit
J768	Roof hydraulics control unit
T1b	Single connector, black, near roof hydraulics control unit
T2ad	2-pin connector, black
T6bx	6-pin connector, black, near roof hydraulics control unit
T32b	32-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V118	Convertible roof actuation hydraulic pump
M32	Connection 1, in roof actuation wiring harness
M33	Connection 2, in roof actuation wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, auxiliary heater control unit, fuses

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B316	Positive connection 2 (30a), in main wiring harness
*	Depends on equipment
**	for models with auxiliary air heater only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

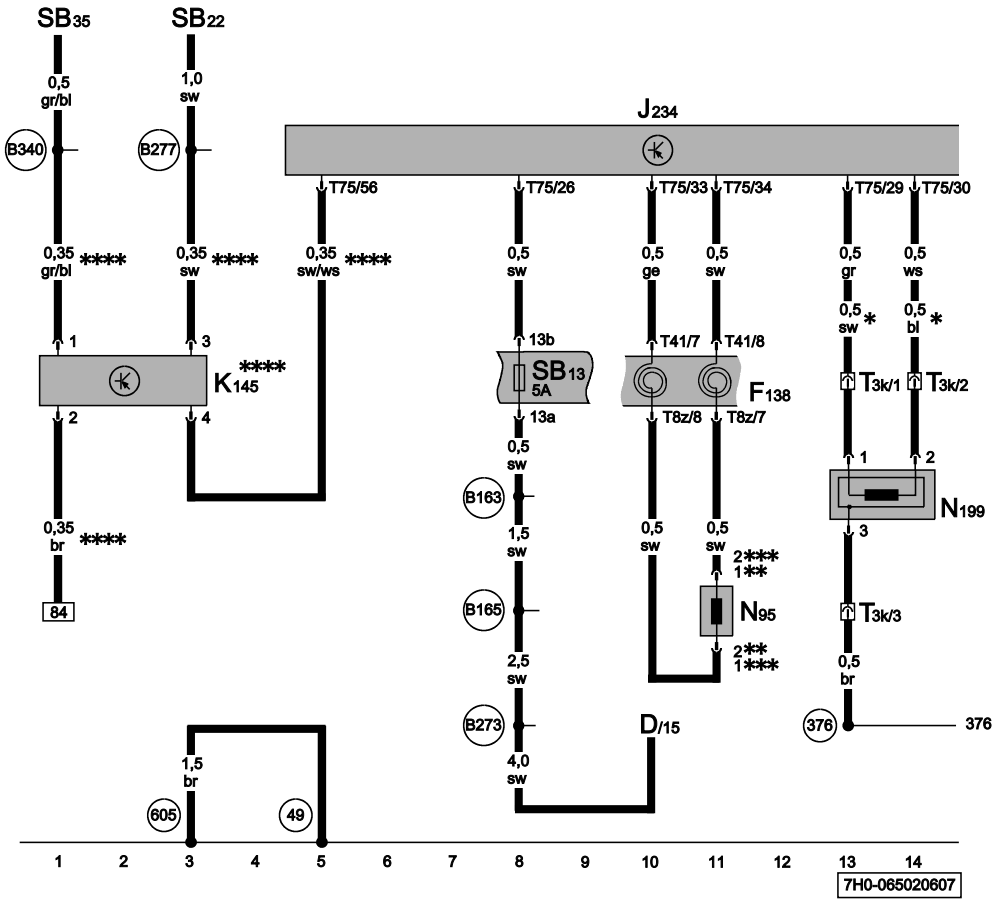
Airbag systems

⇒ **Driver and front passenger airbag**
⇒ **Belt tensioner**
⇒ **Side airbag**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

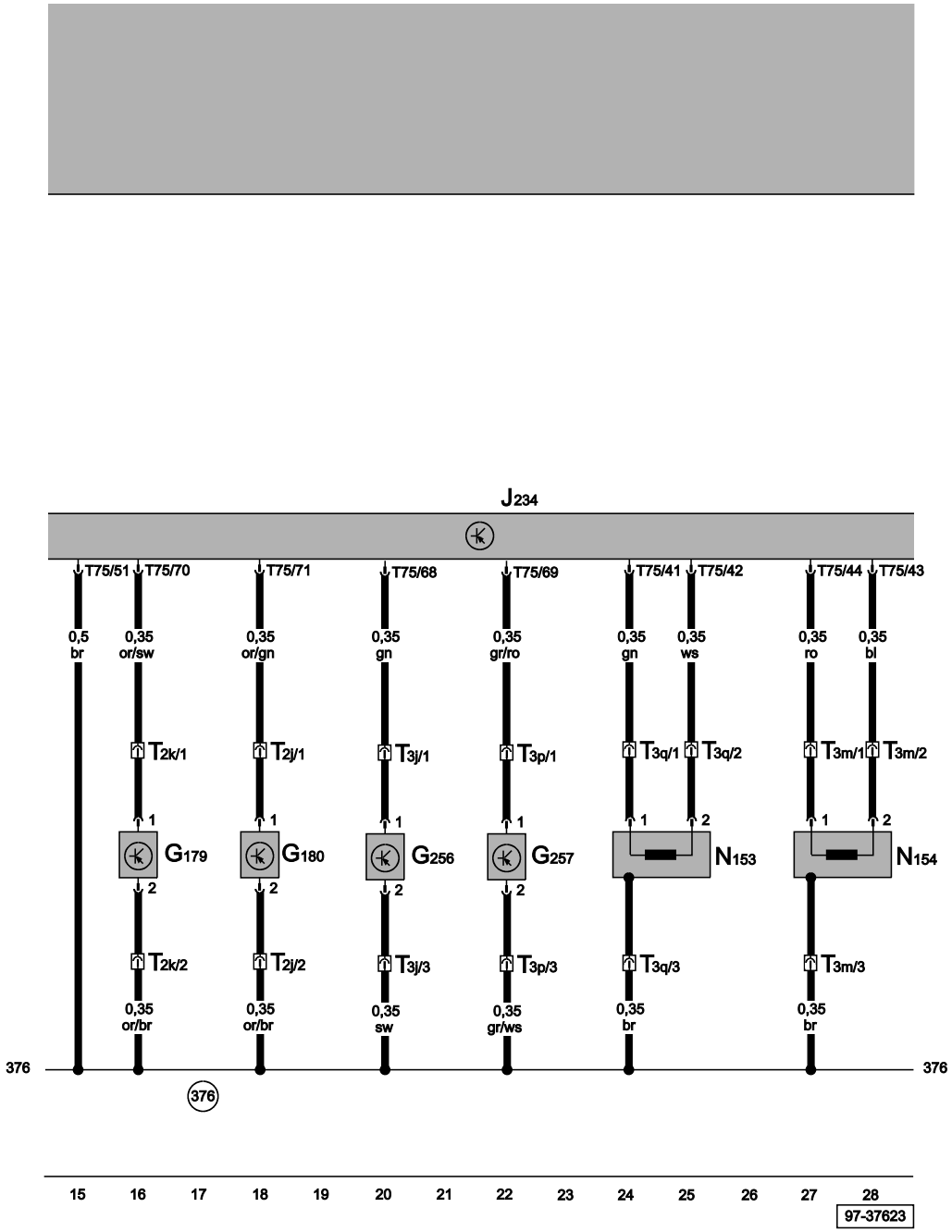


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Airbag control unit, airbag coil connector and return spring with slip ring, airbag igniter

D	Ignition/starter switch
F138	Airbag coil connector/return spring with slip ring
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
N95	Driver side airbag igniter
N199	Side airbag igniter on driver side
SB13	Fuse 13 on fuse holder
SB22	Fuse 22 on fuse holder
SB35	Fuse 35 on fuse holder
T3k	3-pin connector, yellow, under driver seat
T8z	8-connector, yellow, in steering wheel
T41	41-pin connector
T75	75-pin connector
49	Earth point, near bulkhead
376	Earth connection 11, in main wiring harness
605	Earth point, on top end of steering column
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness

* applicable from September 2005
** for models without multifunction steering wheel only
*** for models with multifunction display only
**** for models with key operated switch to deactivate front passenger side airbag only



Airbag control unit, side airbag crash sensors, belt tensioner igniter

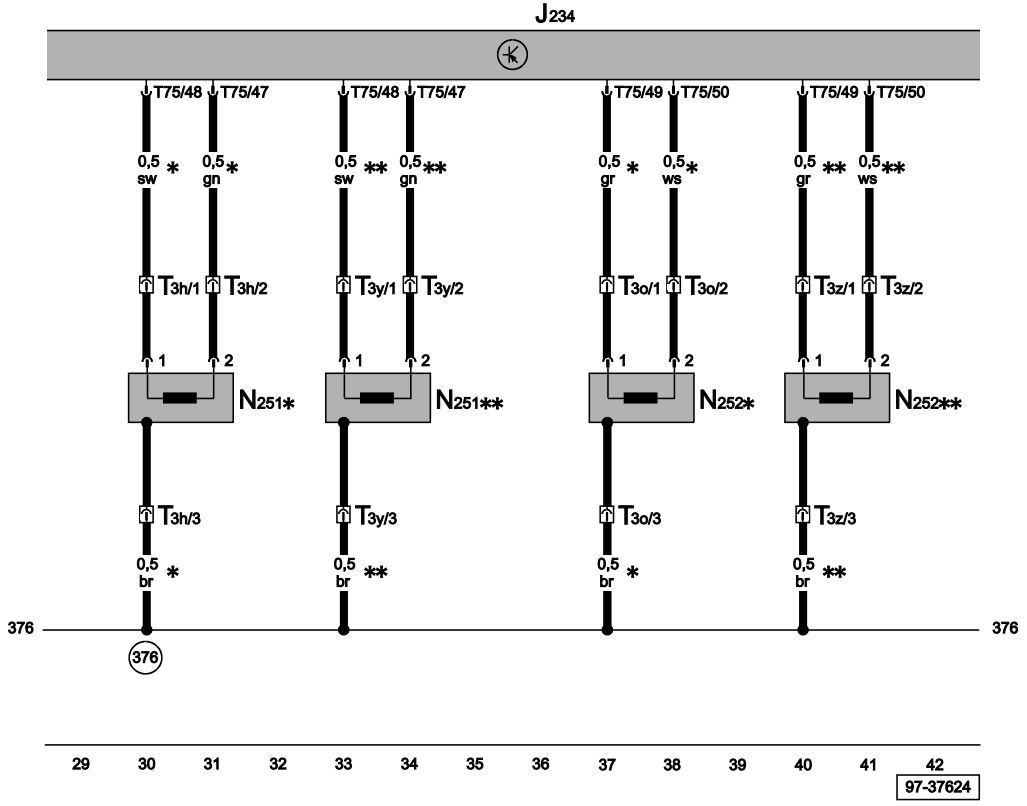
G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 1
T2j	2-pin connector, yellow, coupling station under front passenger seat
T2k	2-pin connector, yellow, under driver seat
T3j	3-pin connector, yellow, coupling station under driver seat
T3m	3-pin connector, yellow, coupling station under front passenger seat
T3p	3-pin connector, yellow, coupling station under front passenger seat
T3q	3-pin connector, yellow, coupling station under driver seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Airbag control unit, curtain airbag igniter

J234	Airbag control unit
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T3h	3-pin connector, yellow, coupling station under driver seat
T3o	3-pin connector, yellow, coupling station under front passenger seat
T3y	3-pin connector, yellow, on left B-pillar
T3z	3-pin connector, yellow, on right B-pillar
T75	75-pin connector
376	Earth connection 11, in main wiring harness
*	for multivan, box-type delivery van or hybrid vehicle only
**	for plank bed vehicles/ double cab only

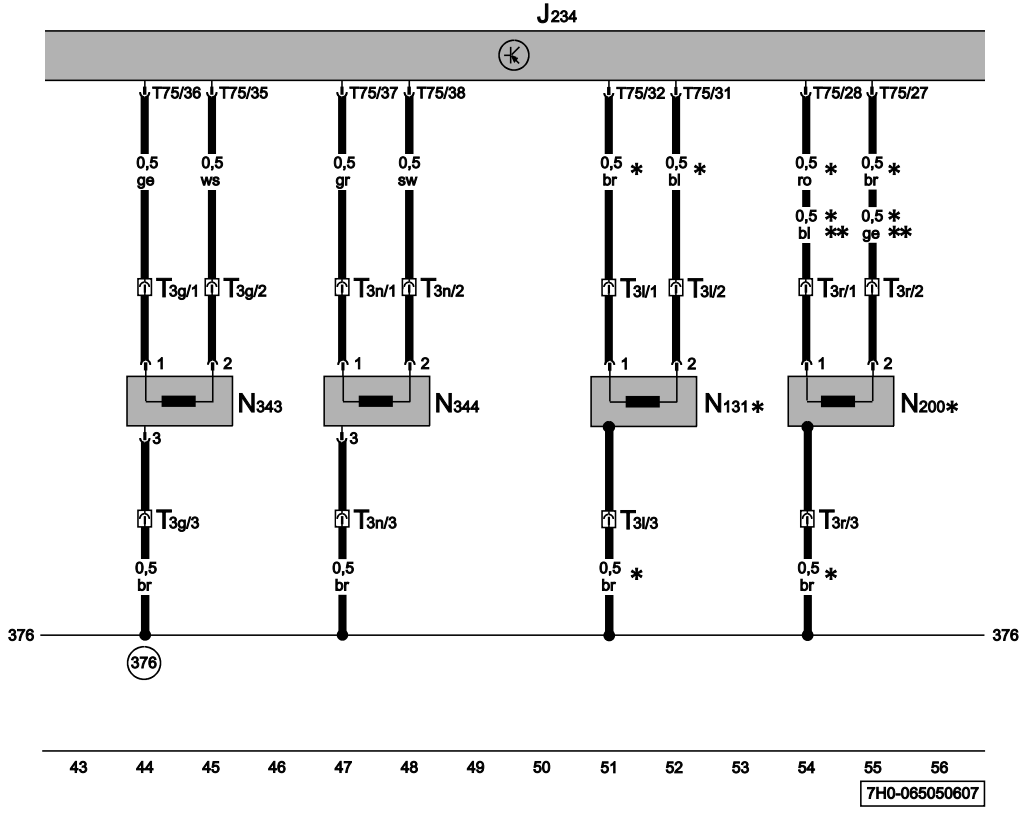


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Airbag control unit, airbag igniter

J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
N343	Driver side curtain airbag rear igniter
N344	Front passenger side curtain airbag rear igniter
T3g	3-pin connector, yellow, coupling station under driver seat
T3l	3-pin connector, yellow, behind the glove compartment
T3n	3-pin connector, yellow, coupling station under front passenger seat
T3r	3-pin connector, yellow, coupling station under front passenger seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
*	for models without key operated switch to deactivate front passenger side airbag only
**	applicable from September 2005

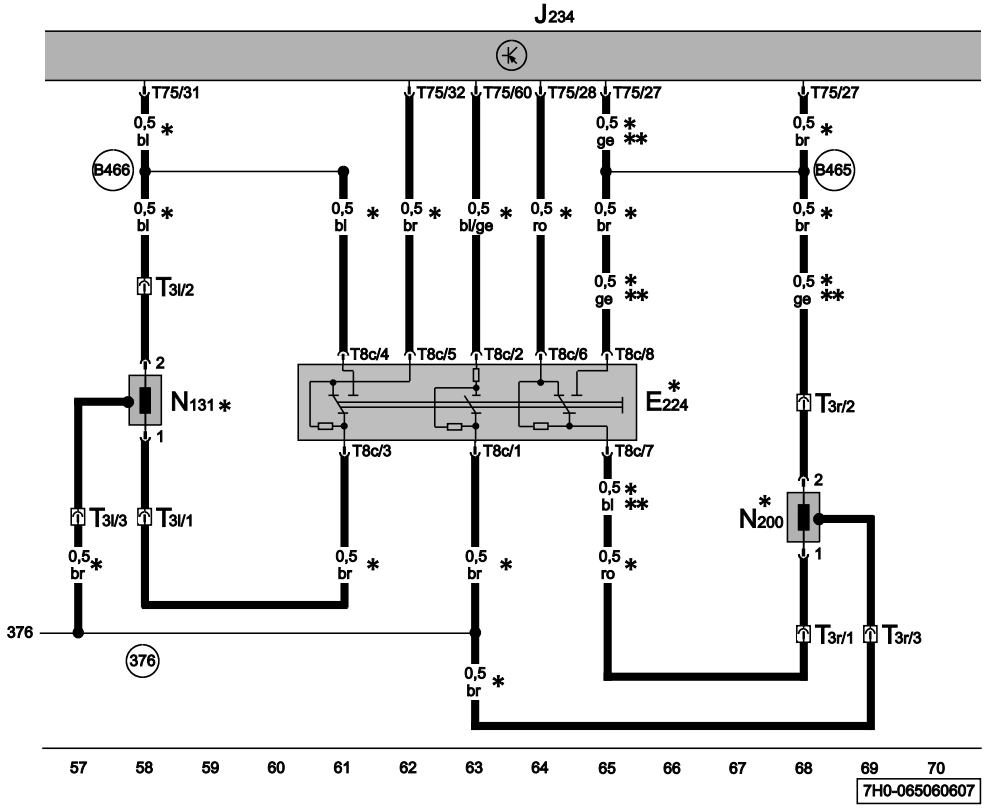


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ge	=	yellow
or	=	orange
rs	=	pink

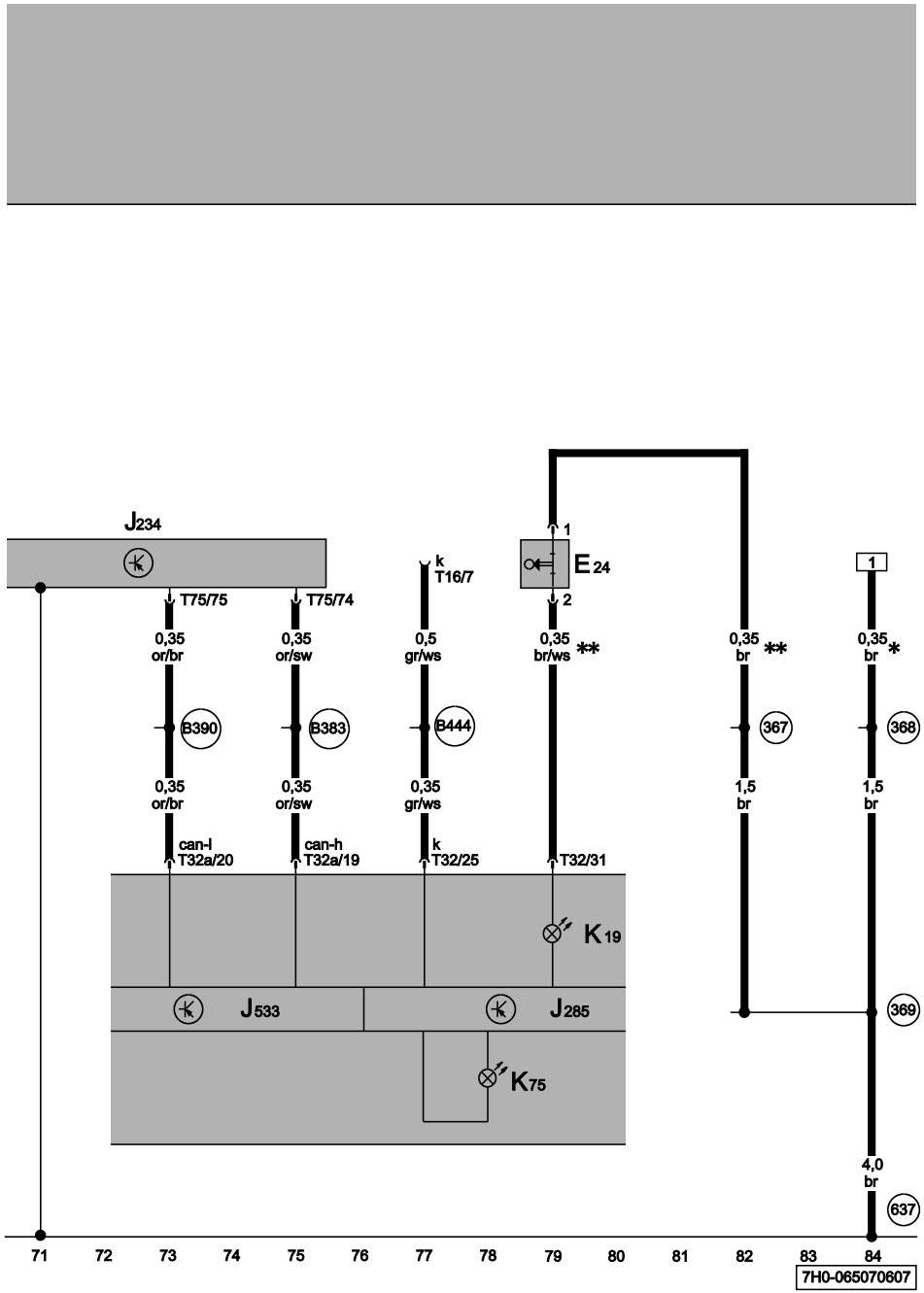


Airbag control unit, key operated switch to deactivate front passenger airbag, airbag igniter

E224	Key operated switch to deactivate front passenger side airbag
J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
T3l	3-pin connector, yellow, behind the glove compartment
T3r	3-pin connector, yellow, coupling station under front passenger seat
T8c	8-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
B465	Connection 1 in main wiring harness
B466	Connection 2 in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only
**	applicable from September 2005



ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Airbag control unit, control unit with display in dash panel insert, warning lamps, driver side belt switch

E24	Driver side belt switch
J234	Airbag control unit
J285	Display control unit in dash panel insert
J533	Data bus diagnostic interface
K19	Seat belt warning system warning lamp
K75	Airbag warning lamp
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
T75	75-pin connector
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only
**	Depends on equipment

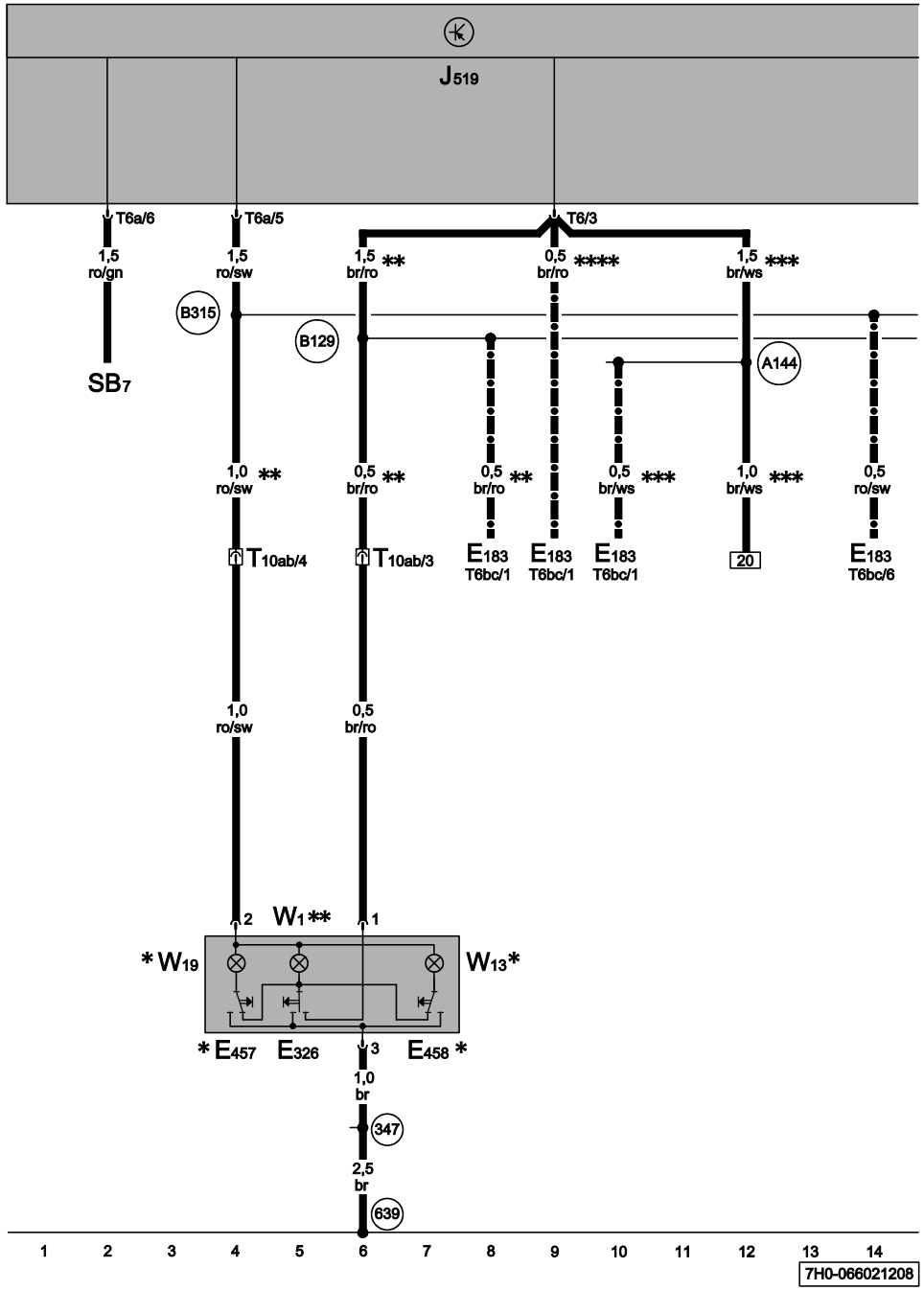
Utility vehicles interior lighting (box-type delivery van or hybrid vehicle, double cab/ plank bed)

⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from October 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

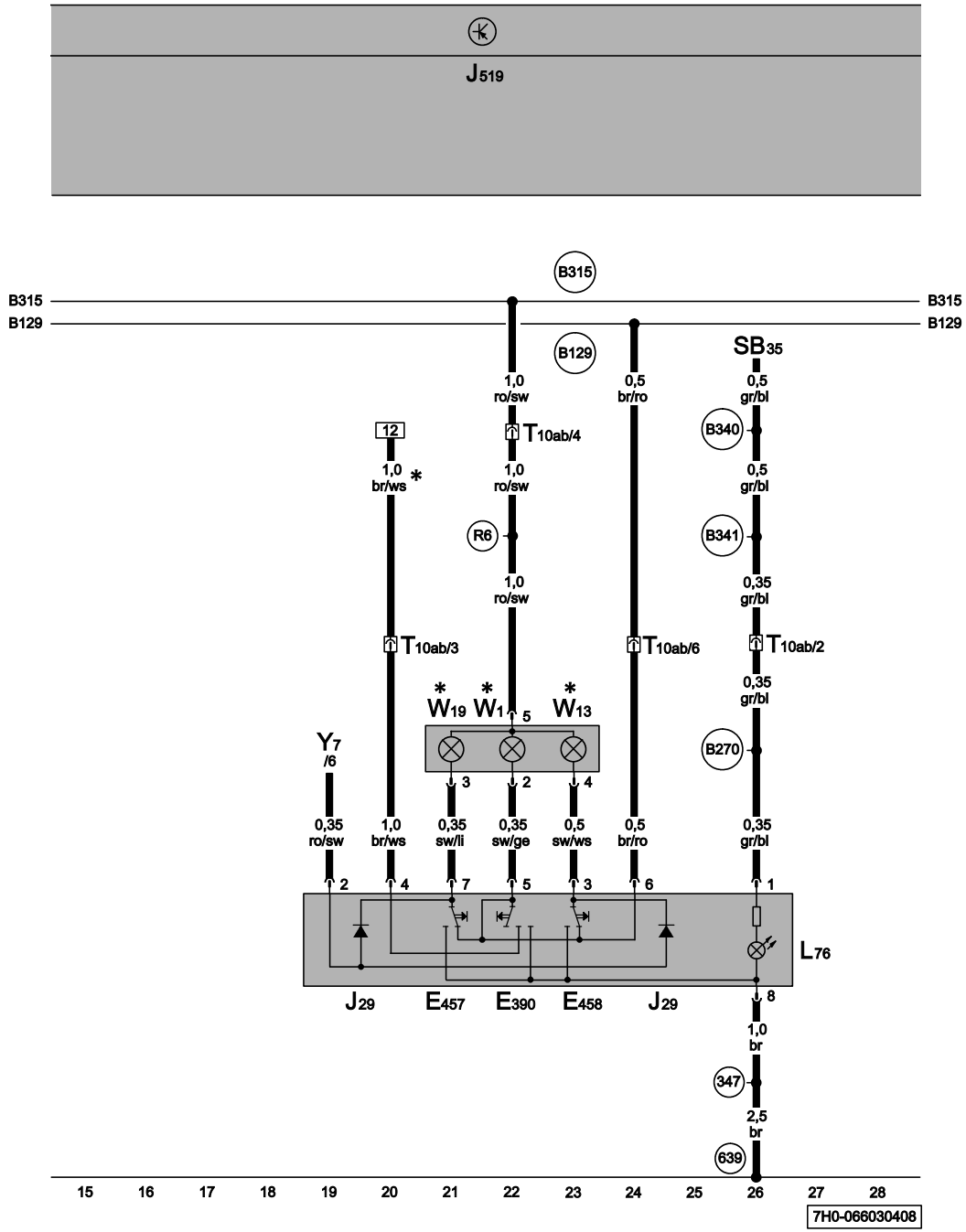


Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment
**	for models without roof console only
***	for models with roof console only
****	for models with double cab/ plank bed only, applicable from December 2003
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="	for models with anti-theft alarm system only 7AL/7AQ

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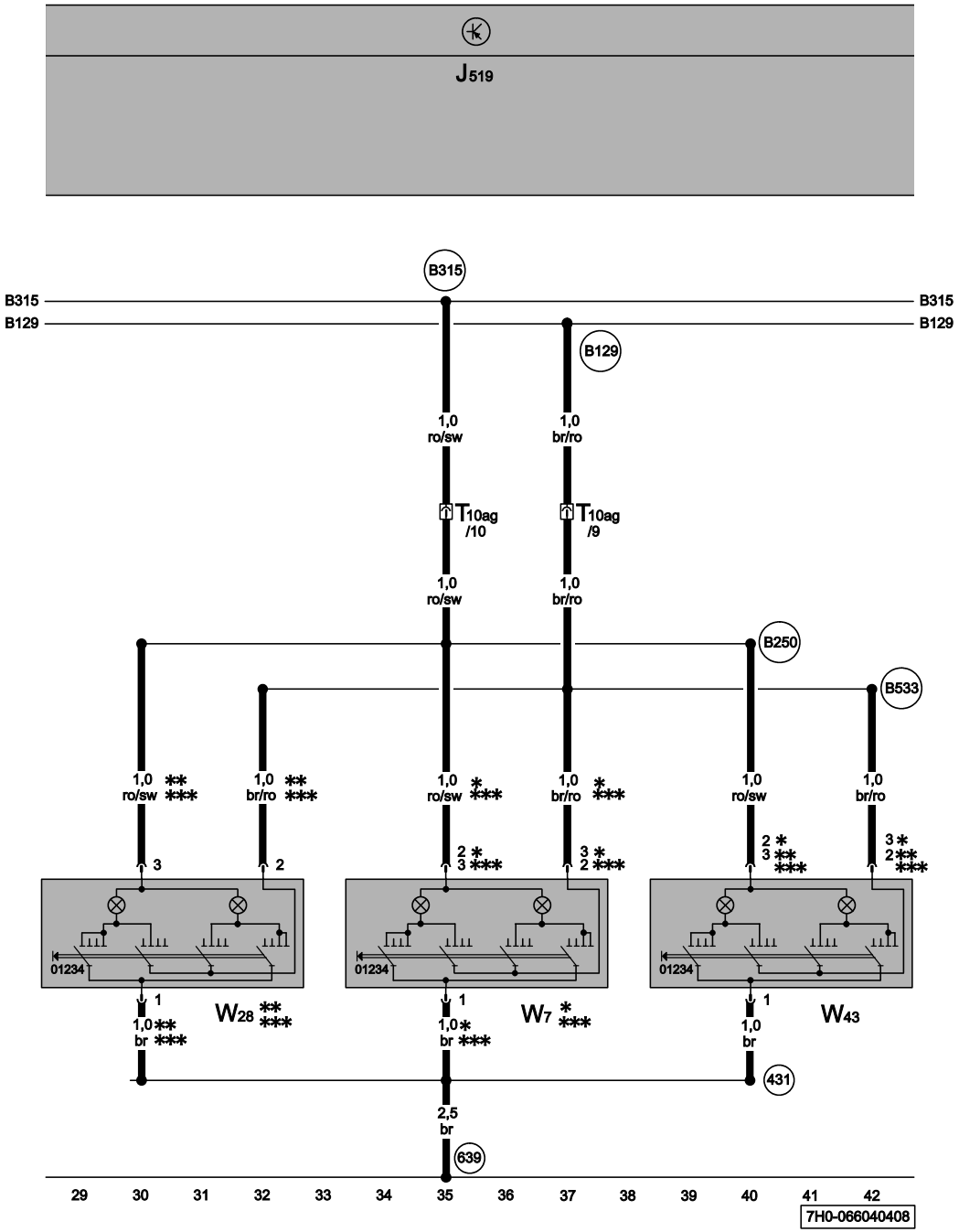
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li	=	purple	
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or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

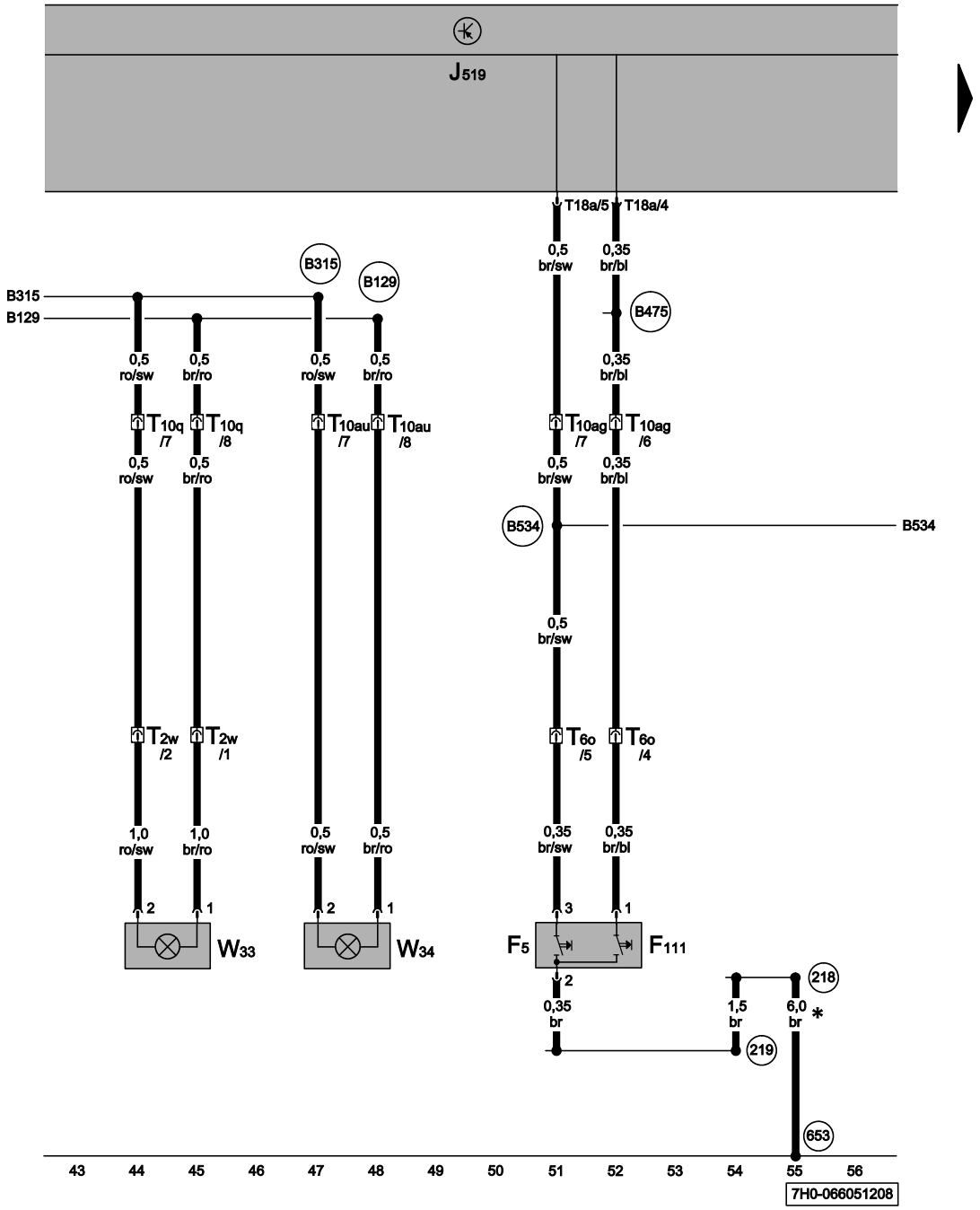
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
SB35	Fuse 35 on fuse holder B
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with roof console only



Front interior light, centre and rear (for models with sliding doors only)

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	for models with flat roof without roof ventilator only
**	for models with middle hight roof only
***	for models with high roof only

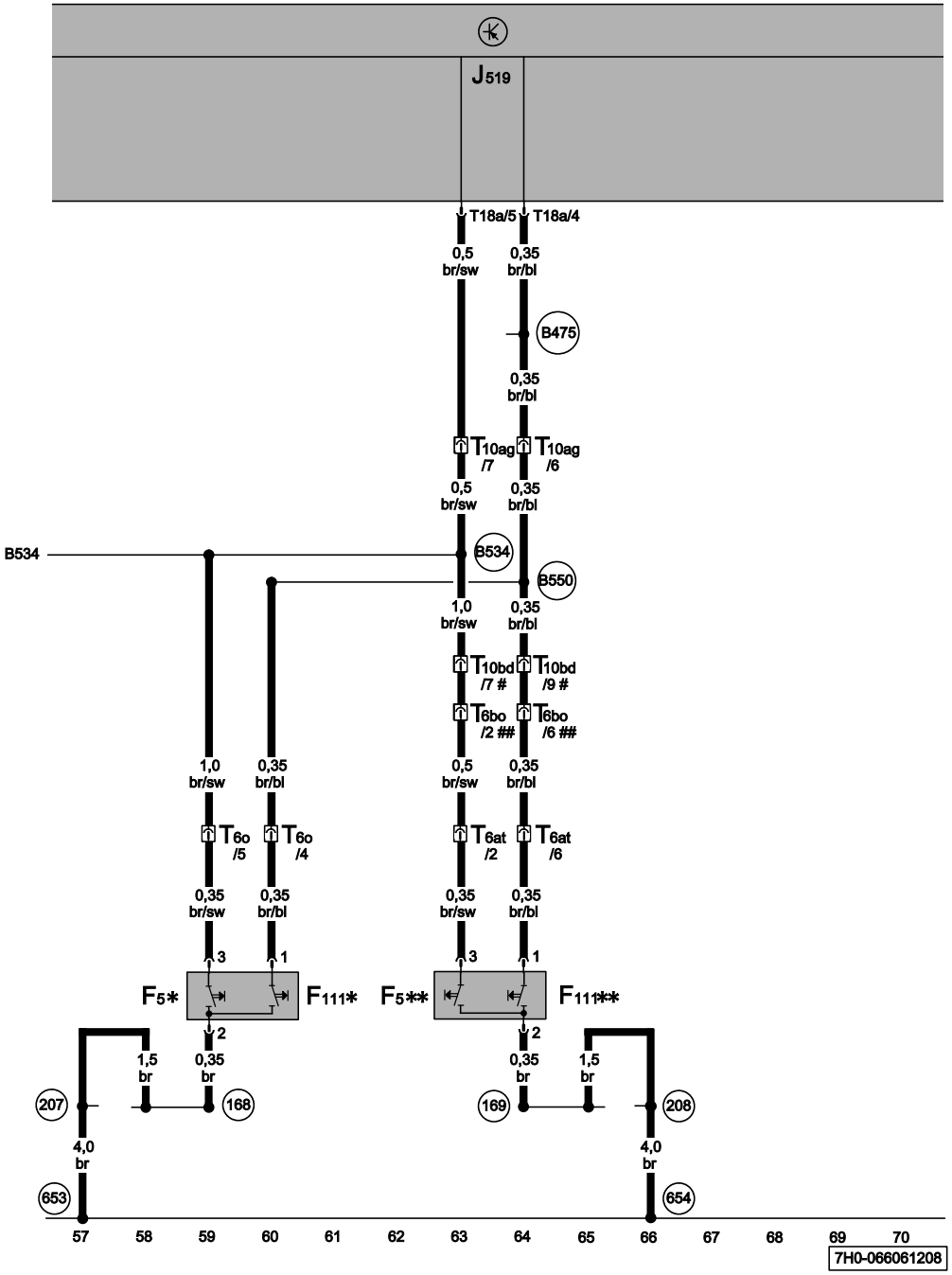
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

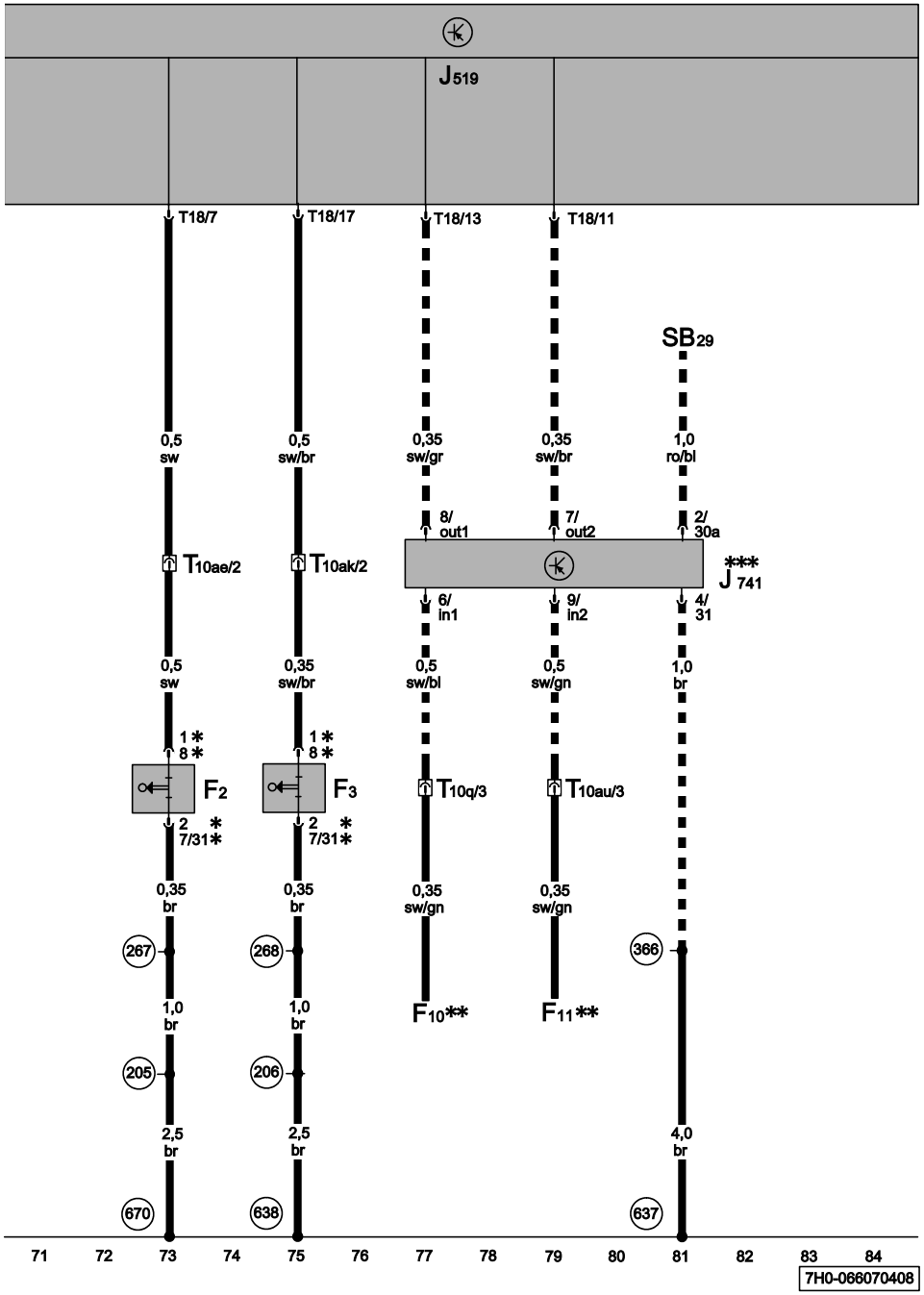
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Cross-section 4.0 possible



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
207	Earth connection, in rear left door wiring harness
208	Earth connection, in rear right door wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	On door lock in left rear wing door
**	On door lock in right rear wing door
#	applicable up to November 2003
##	applicable from December 2003



ws = white

Driver and front passenger side door contact switch, rear door contact switch (for models with sliding doors), dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	depends on equipment
**	⇒ applicable convenience system Current Flow Diagram
***	on relay carrier (2) cockpit ⇒ Fitting Locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/ for models without electric sliding doors/power latching system only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Shuttle interior lighting, without roof console and without air conditioning system operating (control) unit in headliner

⇒ **Step illumination**

from January 2004

Notes:

For information concerning

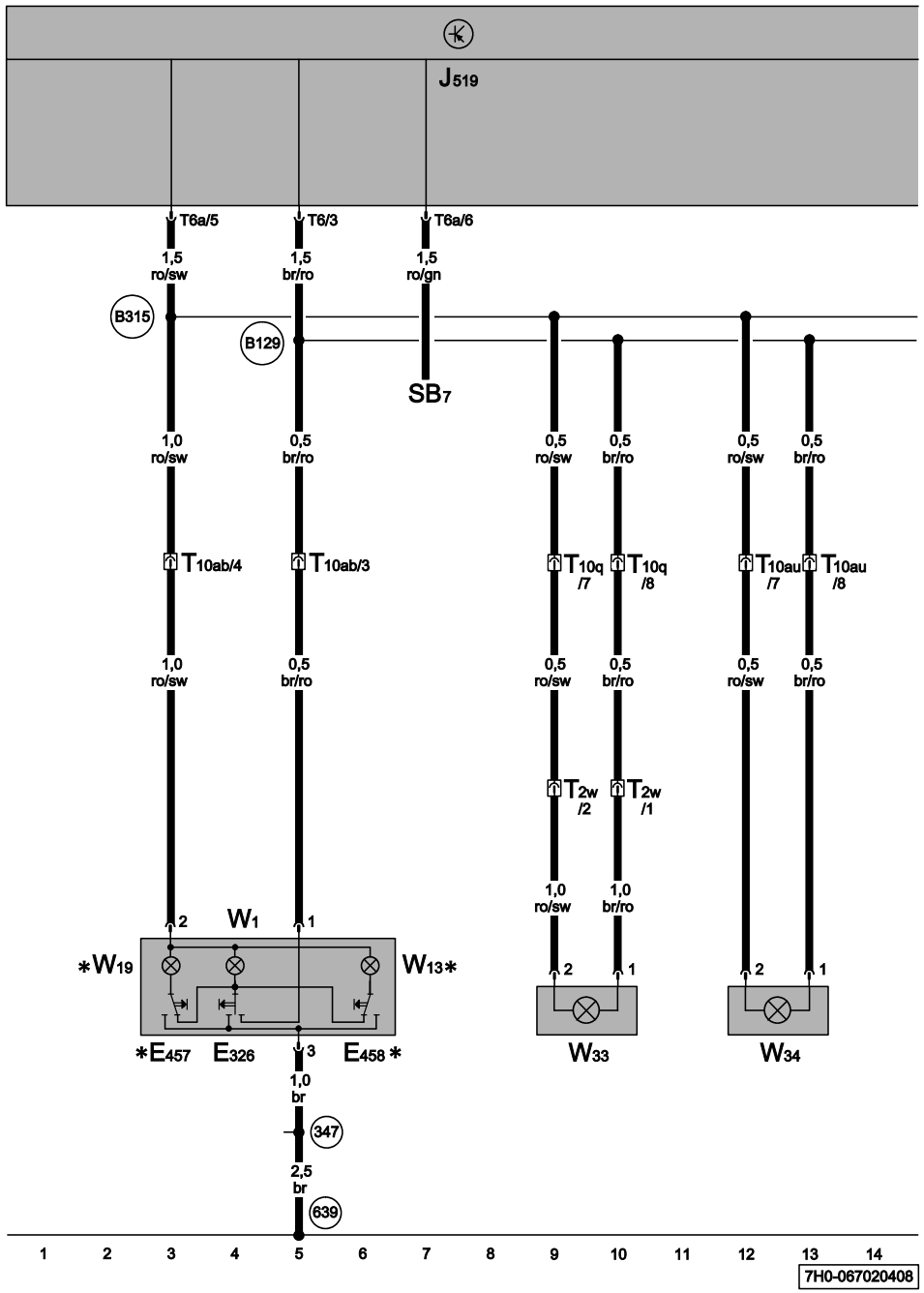
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

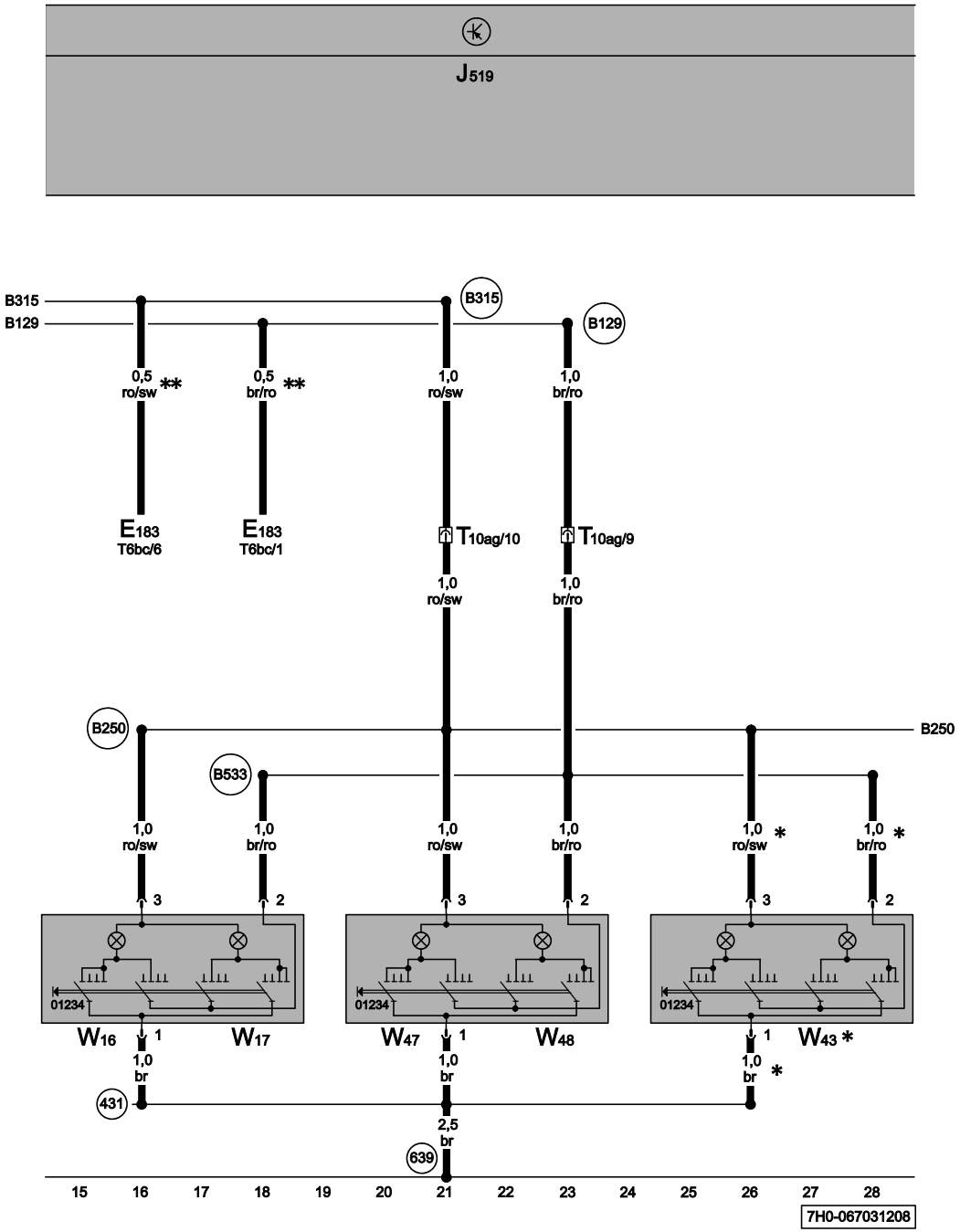
⇒ guided fault finding



ws = white
sw = black
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gn = green
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gr = grey
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or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, rear left and right entry light

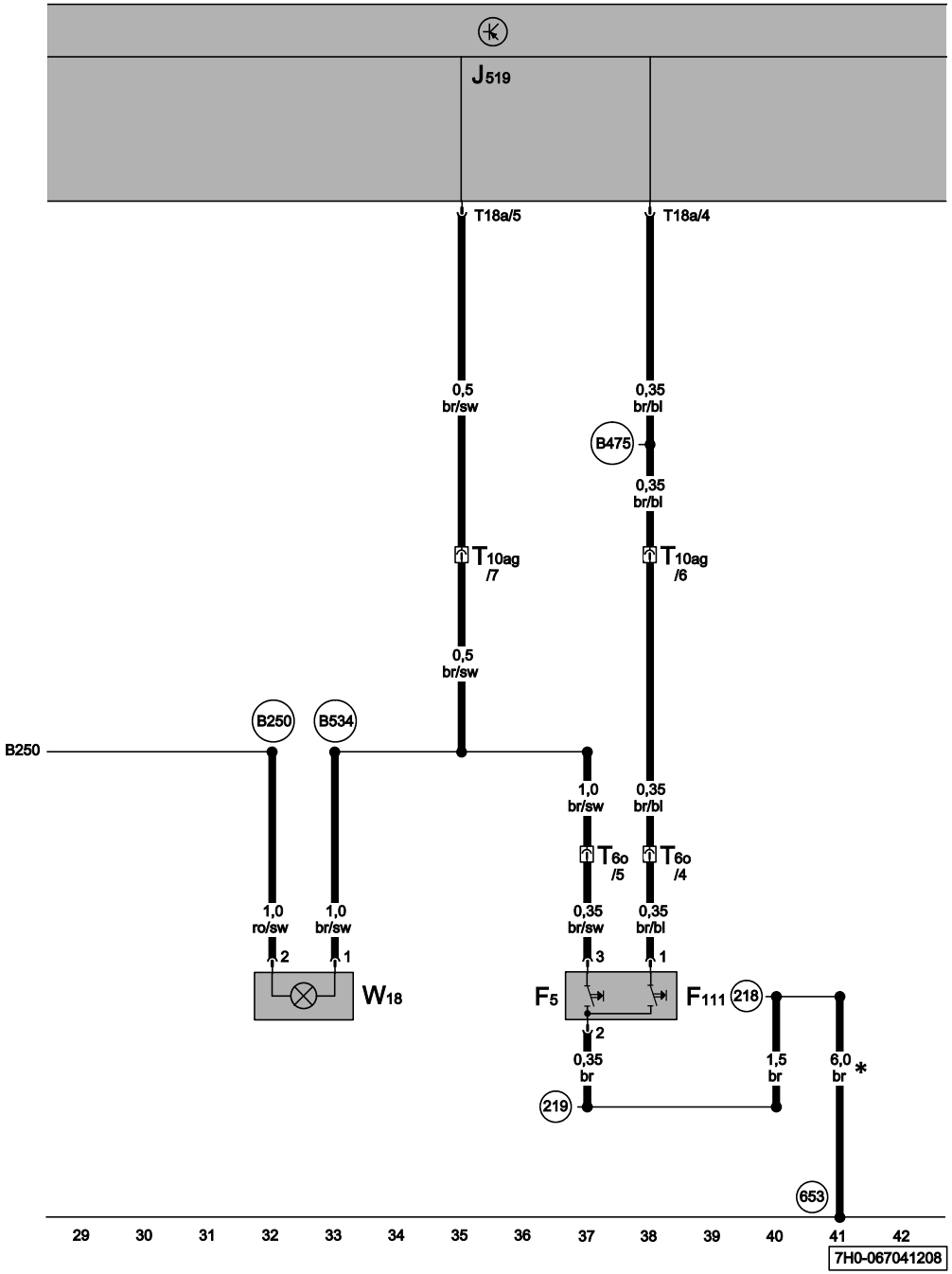
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
T2w	2-pin connector, black, lower left B-pillar
T6	6-pin connector, black
T6a	6-pin connector, brown
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
W33	Rear left entry light
W34	Rear right entry light
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment



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Left and right interior lights, rear interior lights, interior monitoring switch

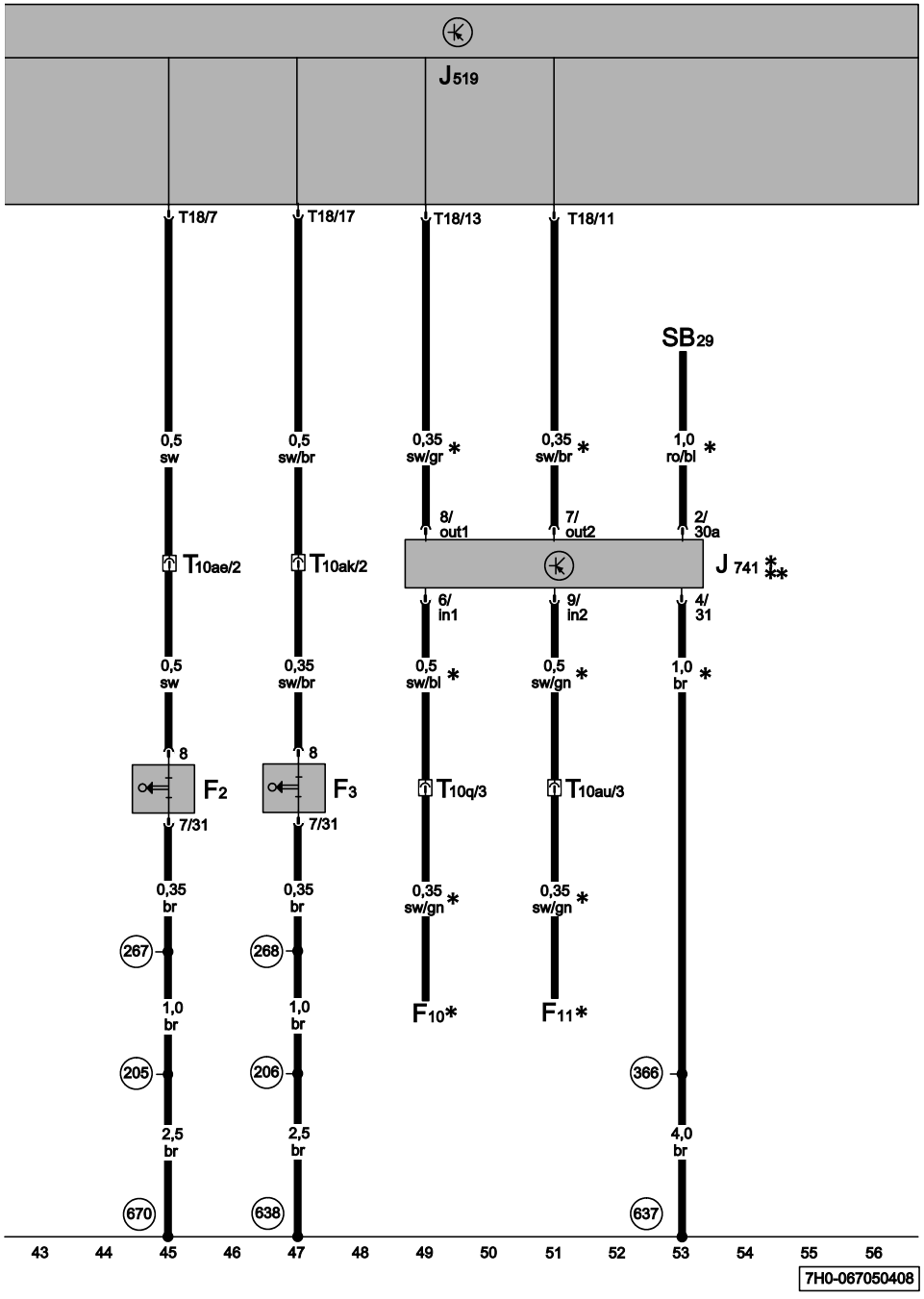
E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T6bc	6-pin connector, blue
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W16	Left interior light
W17	Right interior light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	for models with long wheel base only
**	for models with anti-theft alarm system only 7AL/7AQ



Luggage compartment light switch, luggage compartment light on left

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Cross-section 4.0 possible

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Driver and front passenger side door contact switch, rear left and right door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models with basic equipment only, without CL in sliding doors
**	on relay carrier (2) cockpit ⇒ Fitting Locations

Taxi equipment

from January 2004

Notes:

For information concerning

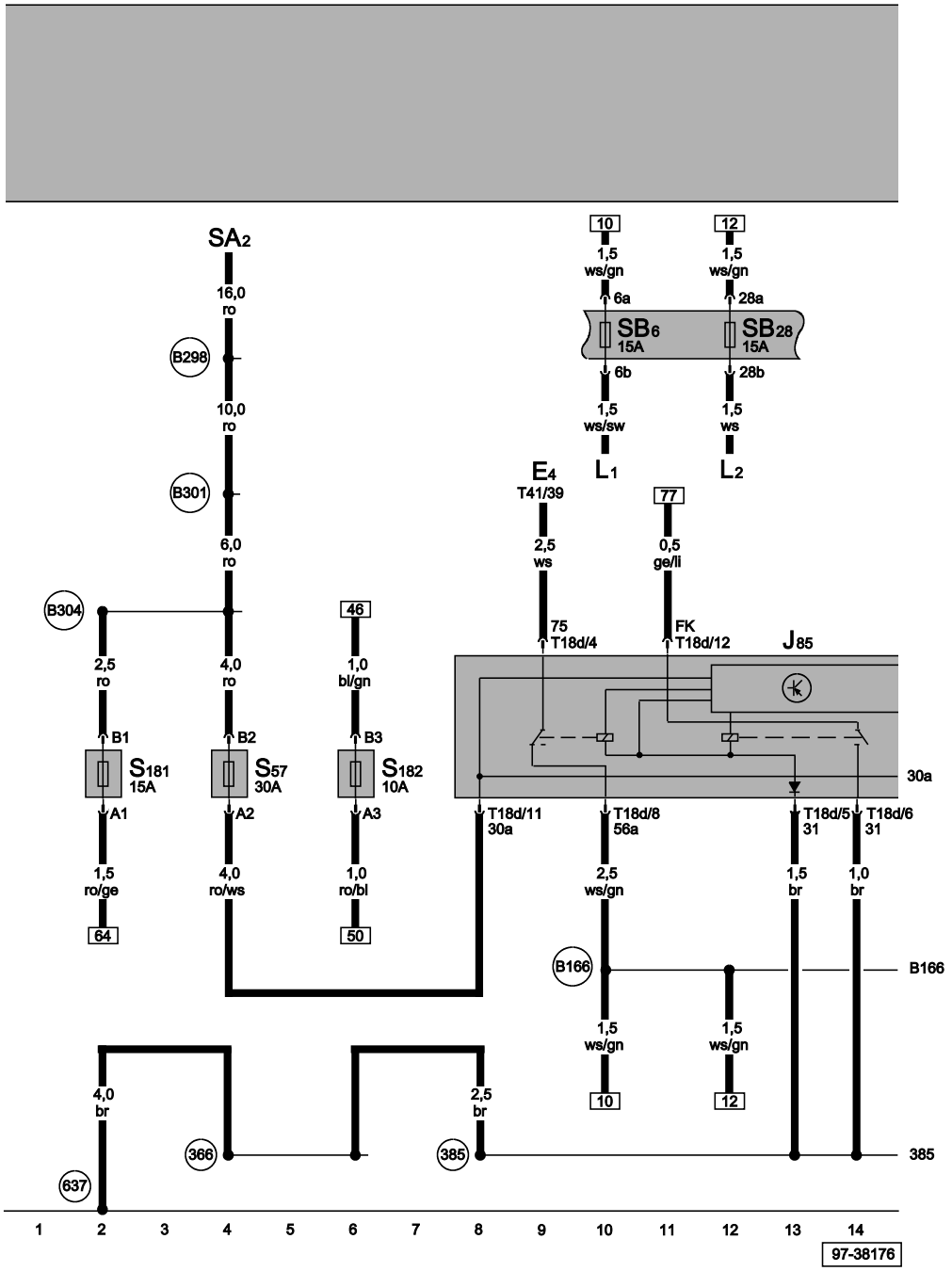
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

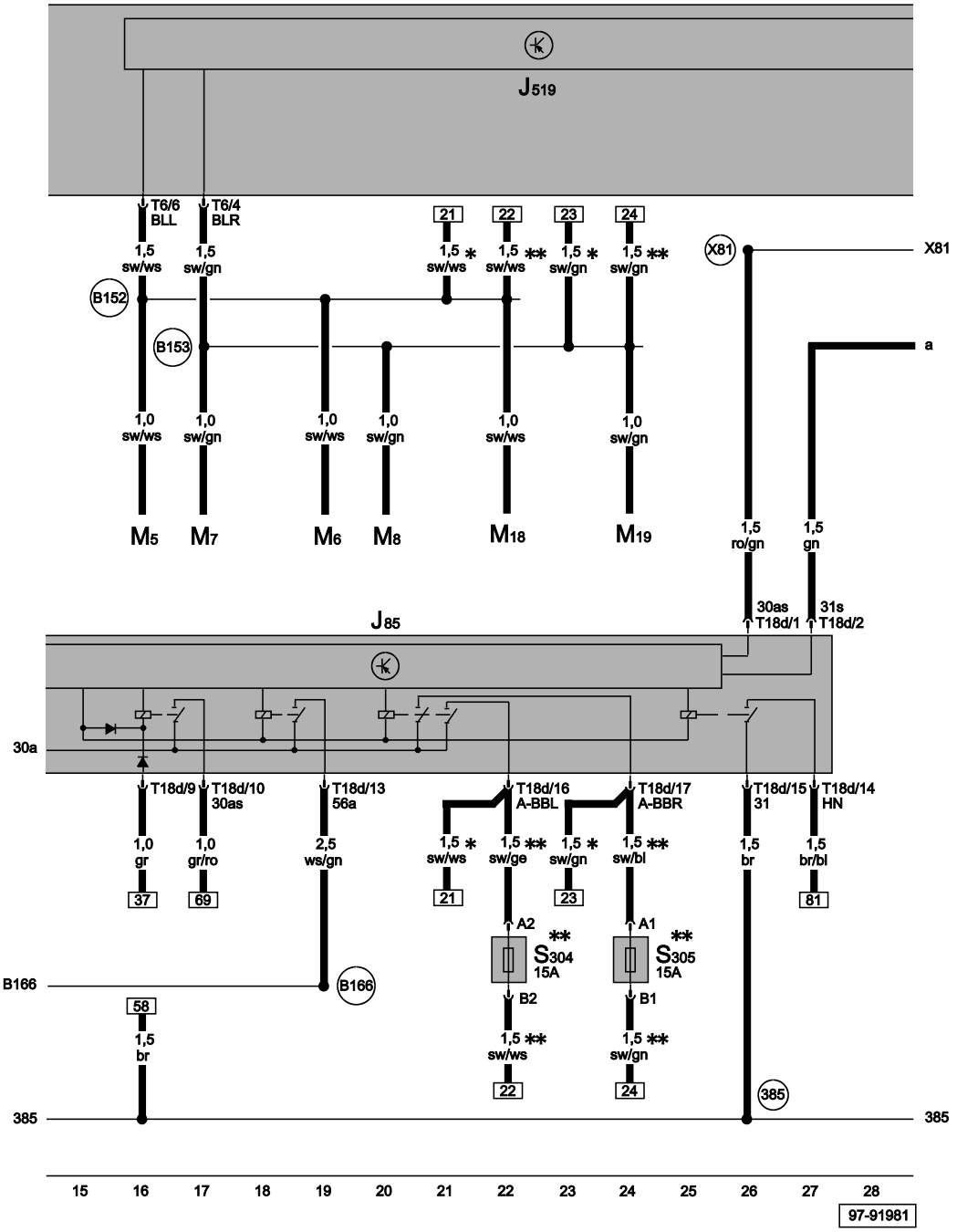
⇒ guided fault finding



ws = white
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rs = pink

Fuses, taxi alarm system control unit, headlight dipper/ flasher switch

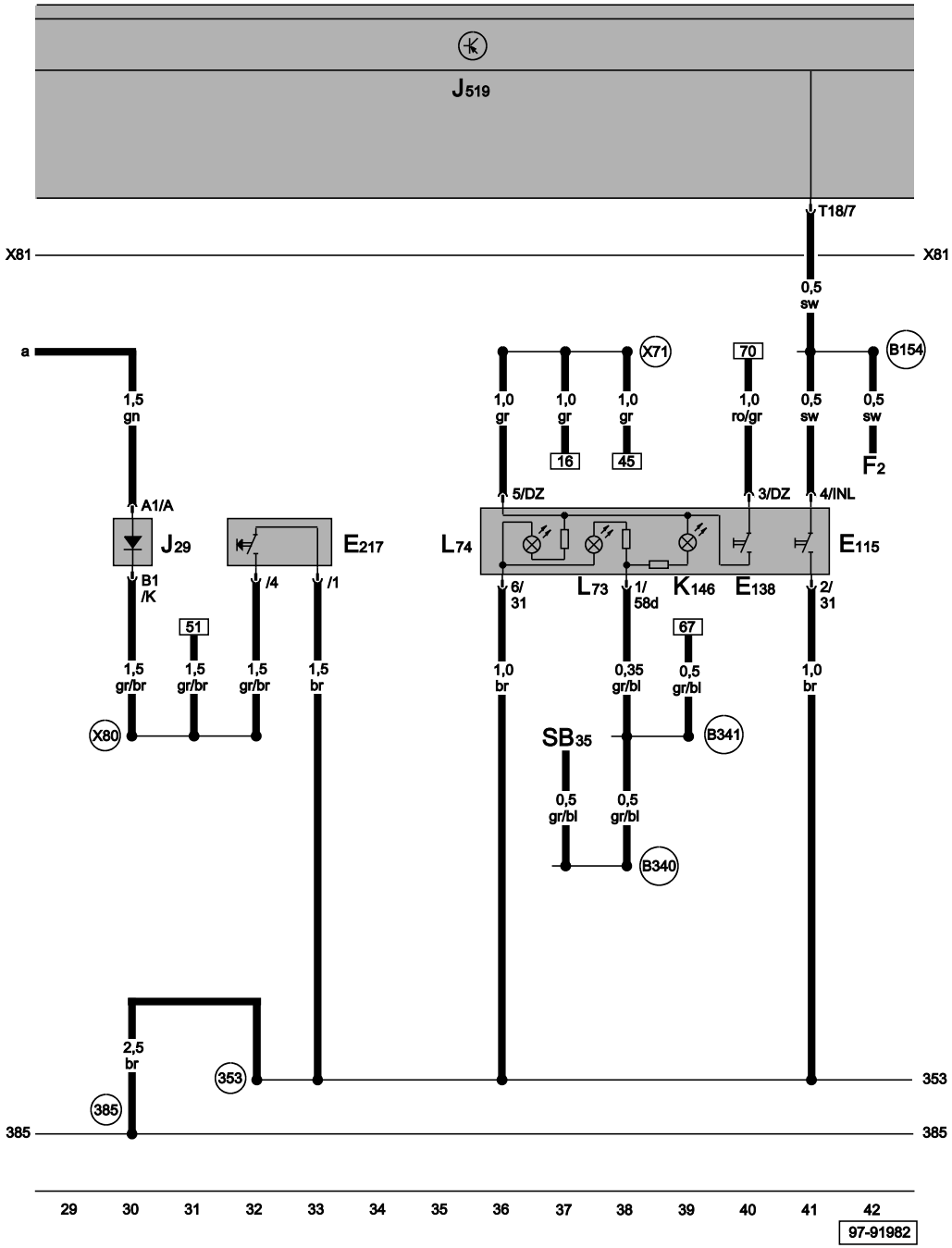
E4	Headlight dipper/flasher switch
J85	Alarm system control unit
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
S57	Alarm system fuse
S181	Taxi alarm system 2 fuse
S182	Taxi meter fuse
SA2	Fuse 2 on fuse holder on battery
SB6	Fuse 6 on fuse holder
SB28	Fuse 28 on fuse holder
T18d	18-pin connector, blue
T41	41-pin connector
366	Earth connection 1, in main wiring harness
385	Earth connection 20, in main wiring harness
637	Earth point, airbag control unit
B166	Connection (56a), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness



Alarm system control unit, onboard supply control unit, turn signal bulb

M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M8	Rear right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
J85	Alarm system control unit
J519	Onboard supply control unit
S304	Special vehicle fuse 14
S305	Special vehicle fuse 15
T6	6-pin connector, black
T18d	18-pin connector, blue
385	Earth connection 20, in main wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
B166	Connection (56a), in interior wiring harness
X81	Connection 4, in taxi wiring harness
*	applicable up to February 2004
**	applicable from March 2004

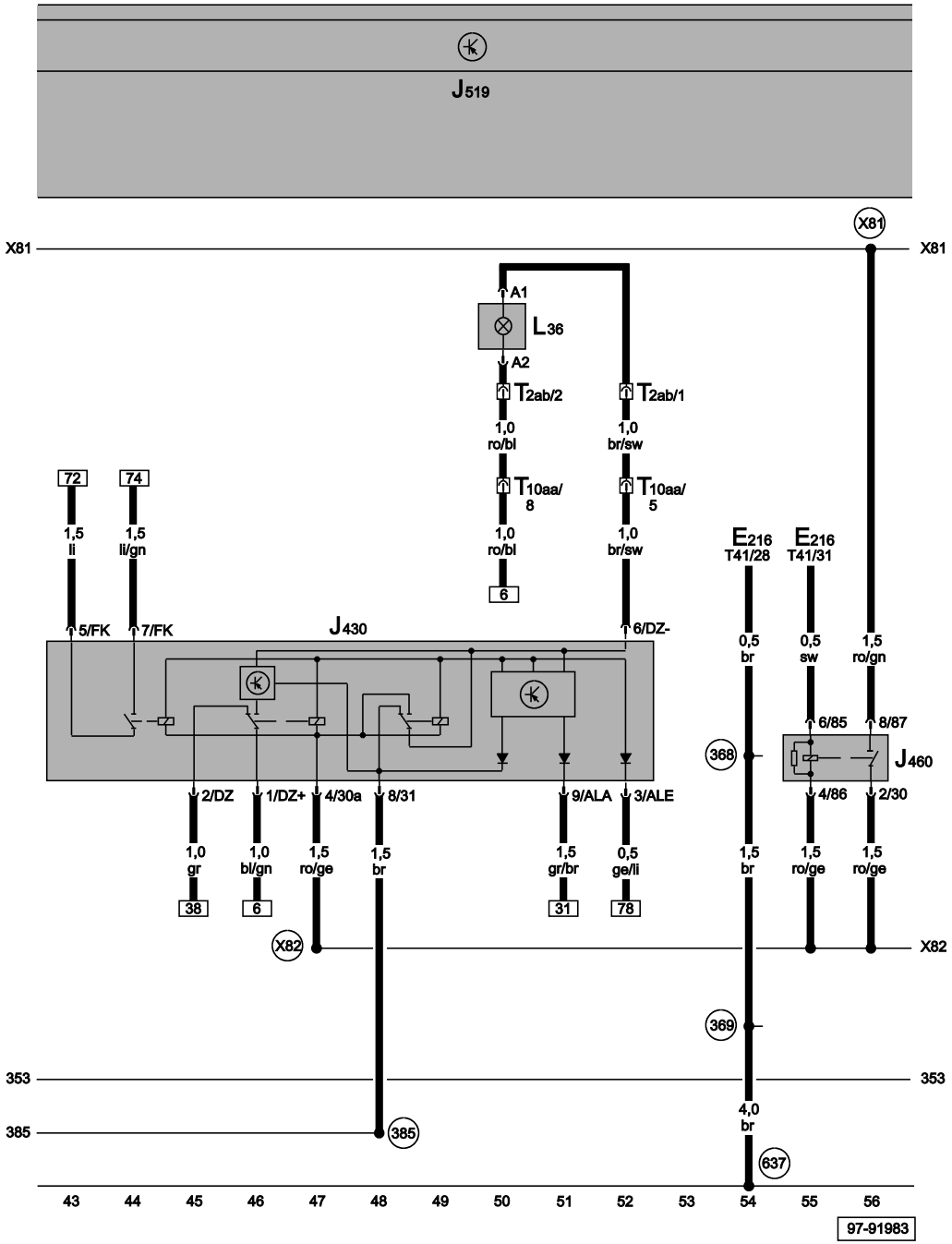
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Interior light switch, taxi sign switch, alarm system off switch, blocking diode, roof sign warning lamp

F2	Driver door contact switch
E115	Interior light switch (taxi)
E138	Taxi sign switch
E217	Alarm system off switch
J29	Blocking diode
J519	Onboard supply control unit
K146	Roof sign warning lamp
L73	Interior light switch illumination bulb (taxi)
L74	Taxi sign switch illumination bulb
SB35	Fuse 35 on fuse holder
T18	18-pin connector, black
353	Earth connection, in taxi wiring harness
385	Earth connection 20, in main wiring harness
B154	Connection 1 (DCt), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
X71	Connection 3, in taxi wiring harness
X80	Connection 1, in taxi alarm system wiring harness

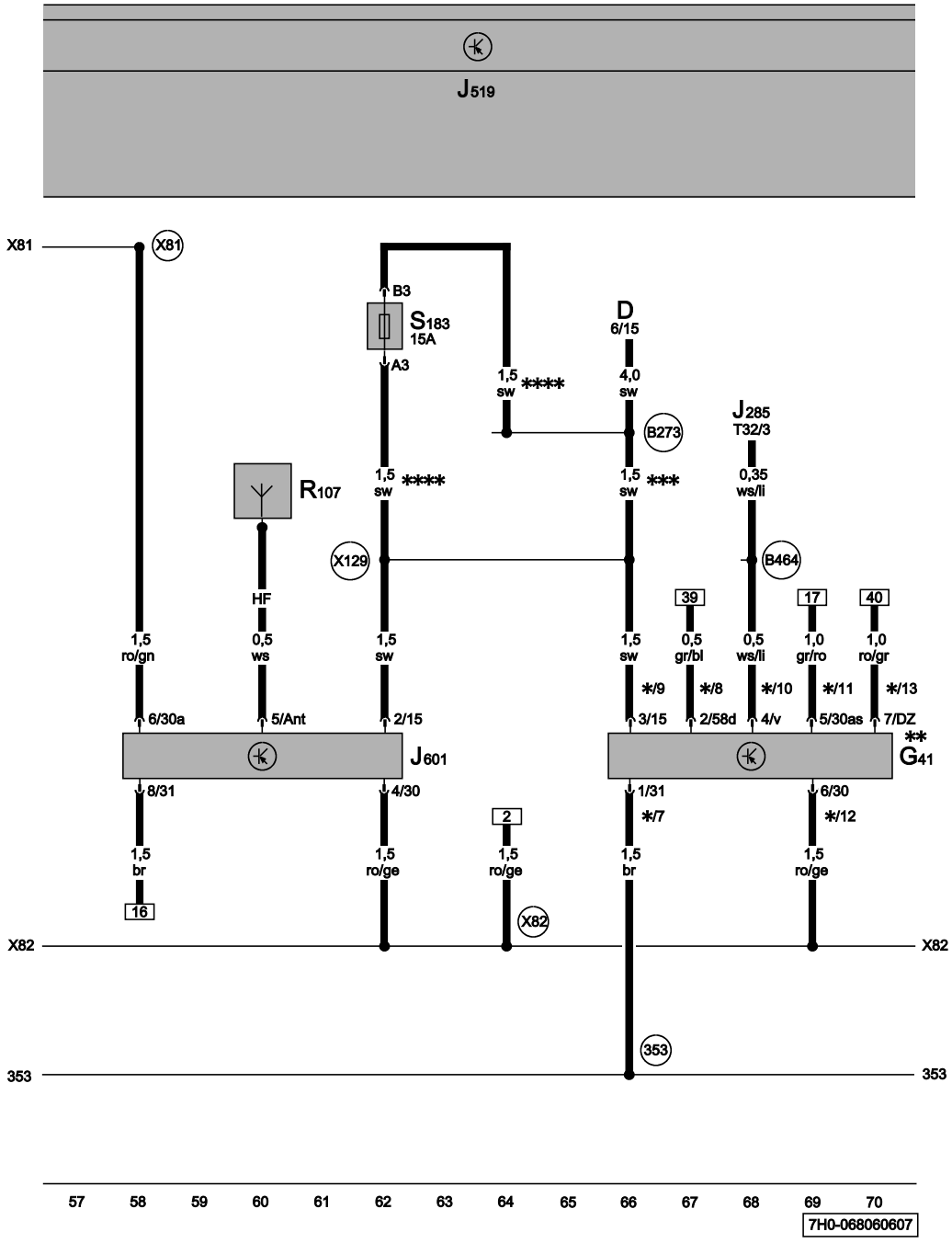


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sw = black
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gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Taxi alarm system 2 switch, taxi alarm system 2 control unit, alarm system relay 1, taxi roof sign light bulb

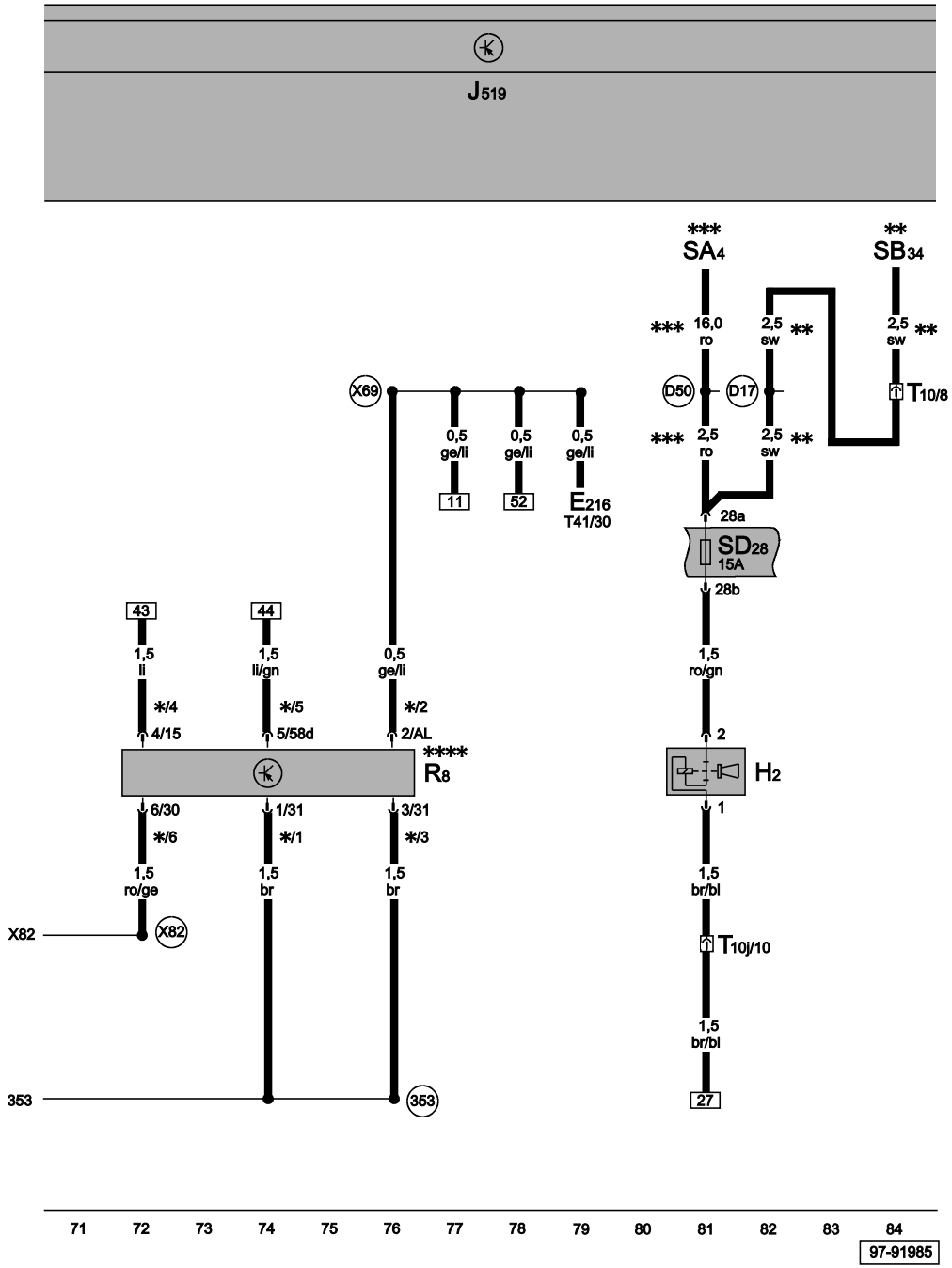
E216	Taxi alarm system 2 switch
J430	Taxi alarm system 2 control unit
J460	Alarm system relay 1
J519	Onboard supply control unit
L36	Taxi roof sign light bulb
T2ab	2-pin connector, black, B-pillar upper left
T10aa	10-pin connector, dark brown, coupling station under driver seat
T41	41-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
385	Earth connection 20, in main wiring harness
637	Earth point, airbag control unit
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness

Taxi meter, taxi alarm remote control, control unit, remote controlled taxi alarm aerial



D	Ignition/starter switch
G41	Taxi meter
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J601	Taxi alarm remote control, control unit
R107	Remote controlled taxi alarm aerial
S183	Taxi meter and alarm system fuse
T32	32-pin connector, blue
353	Earth connection, in taxi wiring harness
B273	Positive connection (15), in main wiring harness
B464	Connection (speed signal), in main wiring harness
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
X129	Positive connection 1 (15), in taxi wiring harness
*	Wiring open end/ wire number
**	the scope depends on the equipment
***	applicable up to January 2004
****	applicable from February 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
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Fuses, treble tone horn, taxi alarm system 2 switch, two-way radio

E216	Taxi alarm system 2 switch
H2	Treble tone horn
J519	Onboard supply control unit
R8	Two-way radio
SA4	Fuse 4 on fuse holder on battery
SB34	Fuse 34 on fuse holder
SD28	Fuse 28 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T41	41-pin connector
353	Earth connection, in taxi wiring harness
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
X69	Connection 1, in taxi wiring harness
X126	Positive connection 2 (30a), in taxi wiring harness
*	Wiring open end/ wire number
**	applicable up to January 2004
***	applicable from February 2004
****	the scope depends on the equipment

Fuse concept 1

⇒ **Fuses SA**

from January 2006

Notes:

For information concerning

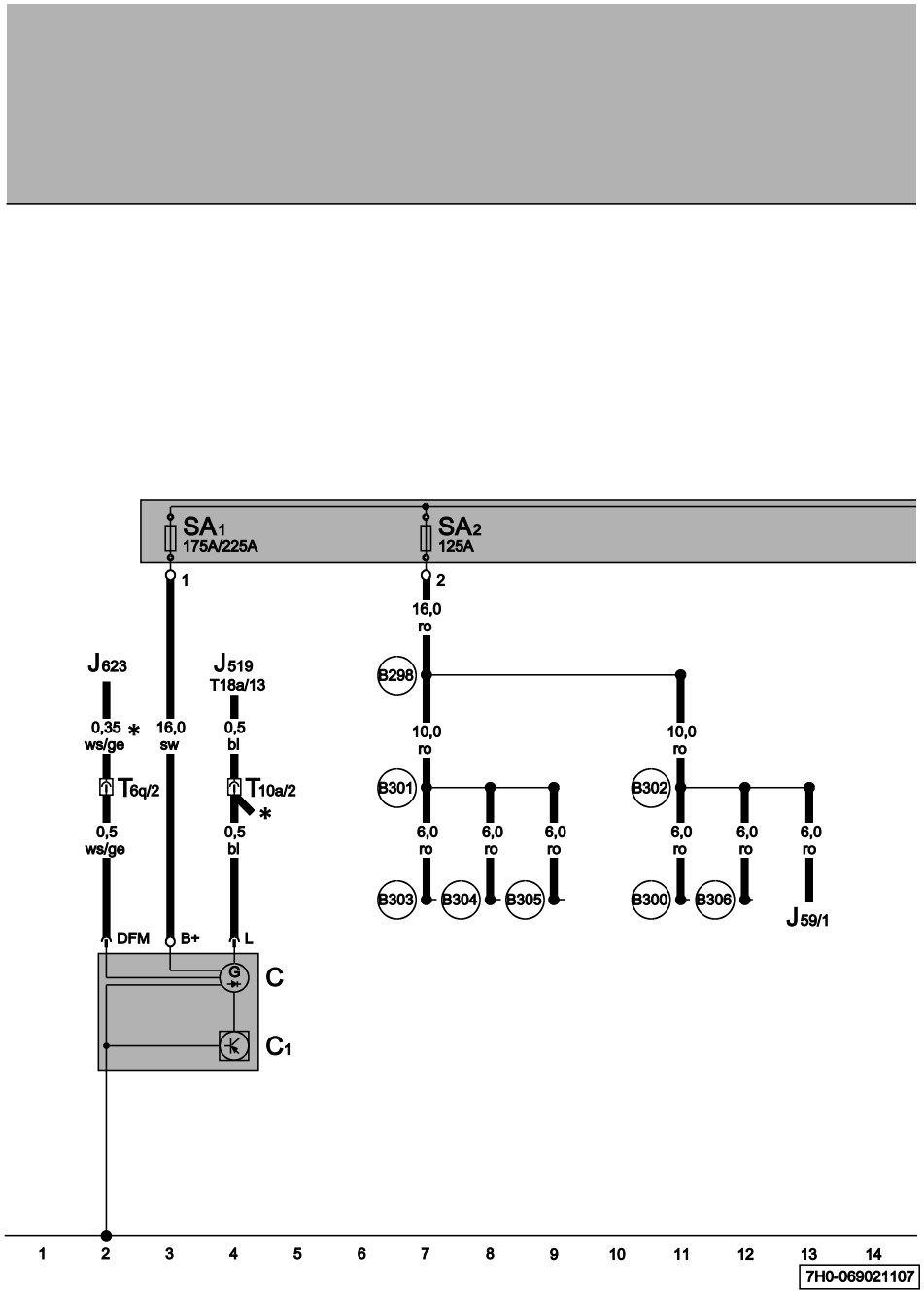
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

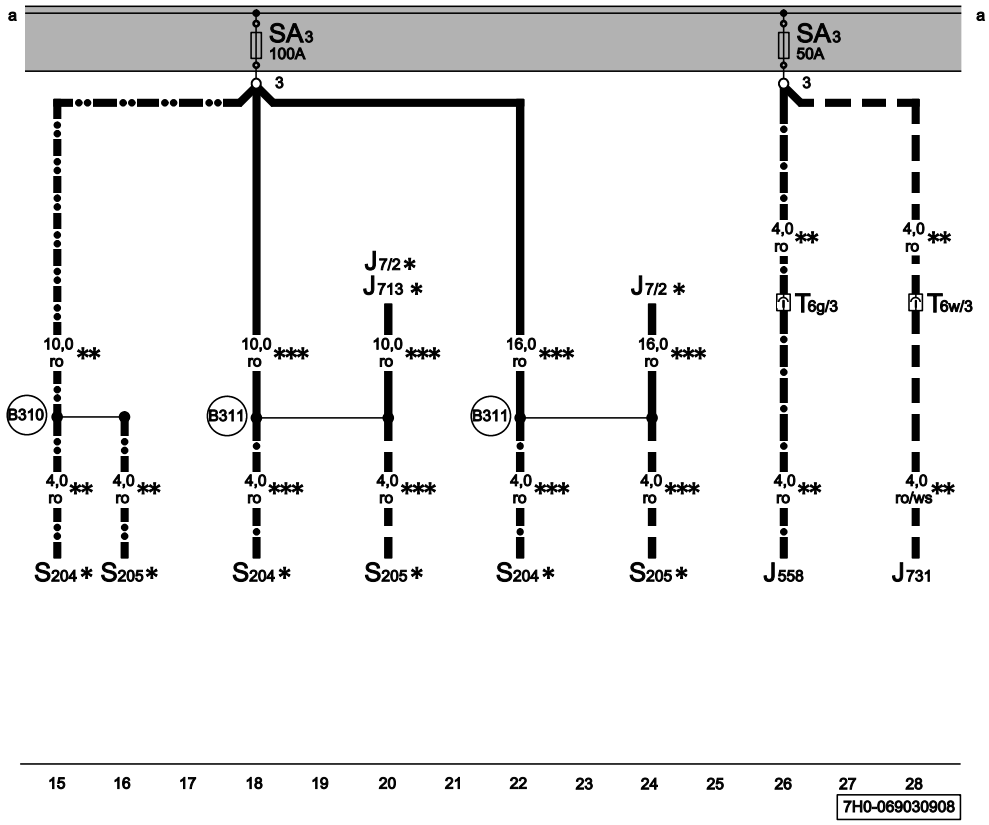
⇒ guided fault finding



ws = white
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Fuses SA1, SA2

C	Alternator
C1	Voltage regulator
J59	X-contact relief relay
J519	Onboard supply control unit
J623	Engine control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B298	Positive connection 2 (30), in main wiring harness
B300	Positive connection 4 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
*	⇒ engine Current Flow Diagram



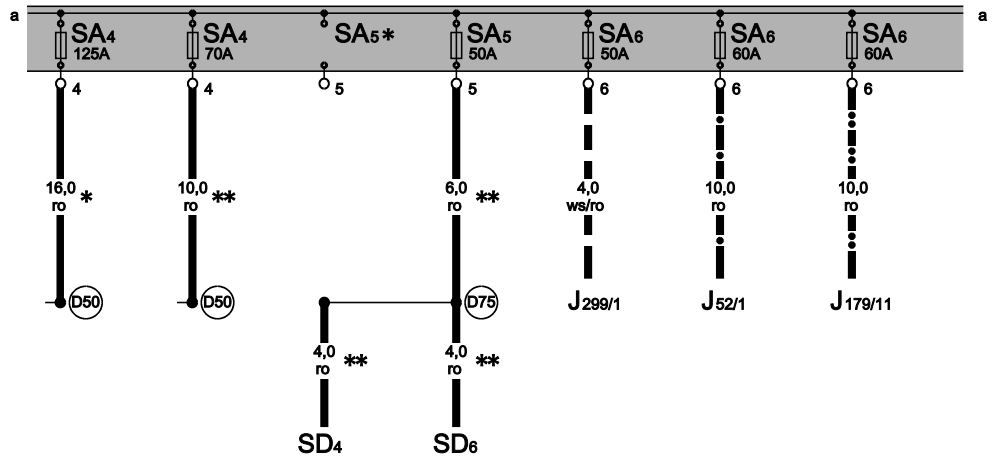
ws = white

Fuse SA3

J7	Battery isolation relay
J558	Left sliding door control unit
J713	Second battery charging circuit relay
J731	Right sliding door control unit
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
B311	Positive connection 15 (30), in main wiring harness
*	Depends on equipment
**	for models without second battery/ battery for special vehicles only
***	for models with second battery/ battery for special vehicles only
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sw	=	black
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ws = white

Fuse SA4, SA5, SA6

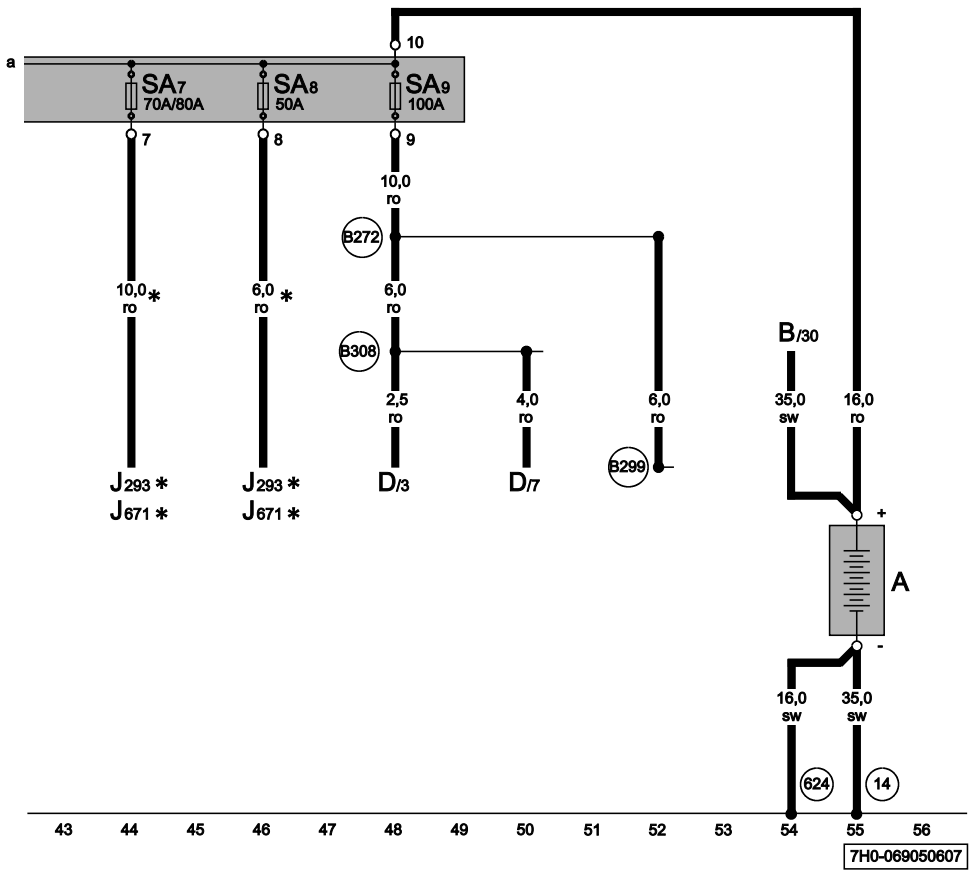
J52	Glow plug relay
J179	Automatic glow period control unit
J299	Secondary air pump relay
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
D50	Positive connection (30), in engine compartment wiring harness
D75	Positive connection 2 (30), in engine compartment wiring harness
*	applicable up to May 2006
**	applicable from June 2006

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for models with engine codes AXA, BDL, BDM and BKK only

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for models with engine codes AXB, AXC, AXD, AXE and BLJ only

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or	=	orange
rs	=	pink

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uniform"/
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Fuse SA7, SA8, SA9, battery

A	Battery
B	Starter
D	Ignition/starter switch
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	⇒ engine/radiator fan Current Flow Diagram

Seat heating

⇒ **seat with loth cover**

from March 2003

Notes:

For information concerning

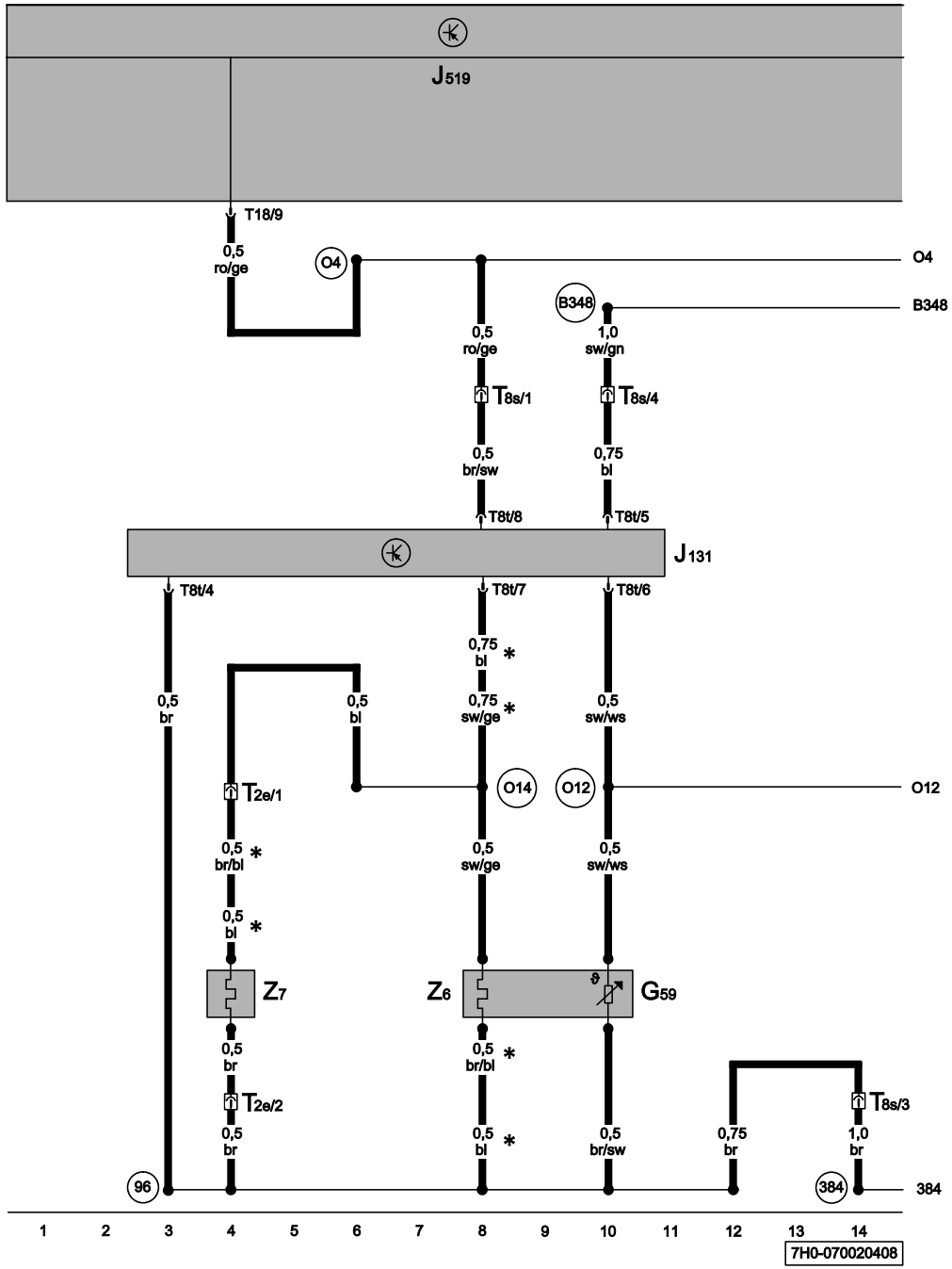
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

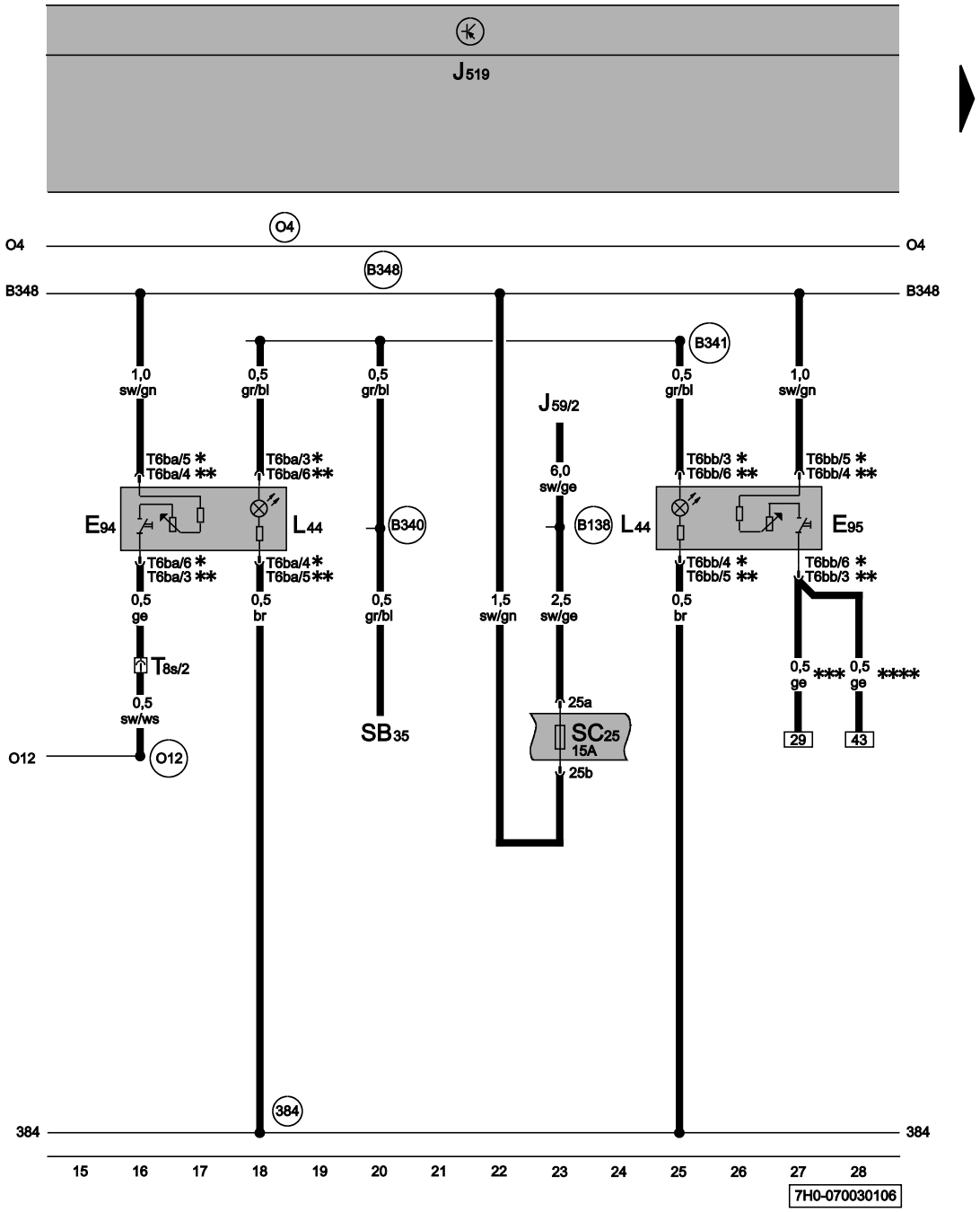
⇒ guided fault finding



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rs = pink

Heated driver seat control unit, heated driver seat, driver seat temperature sensor

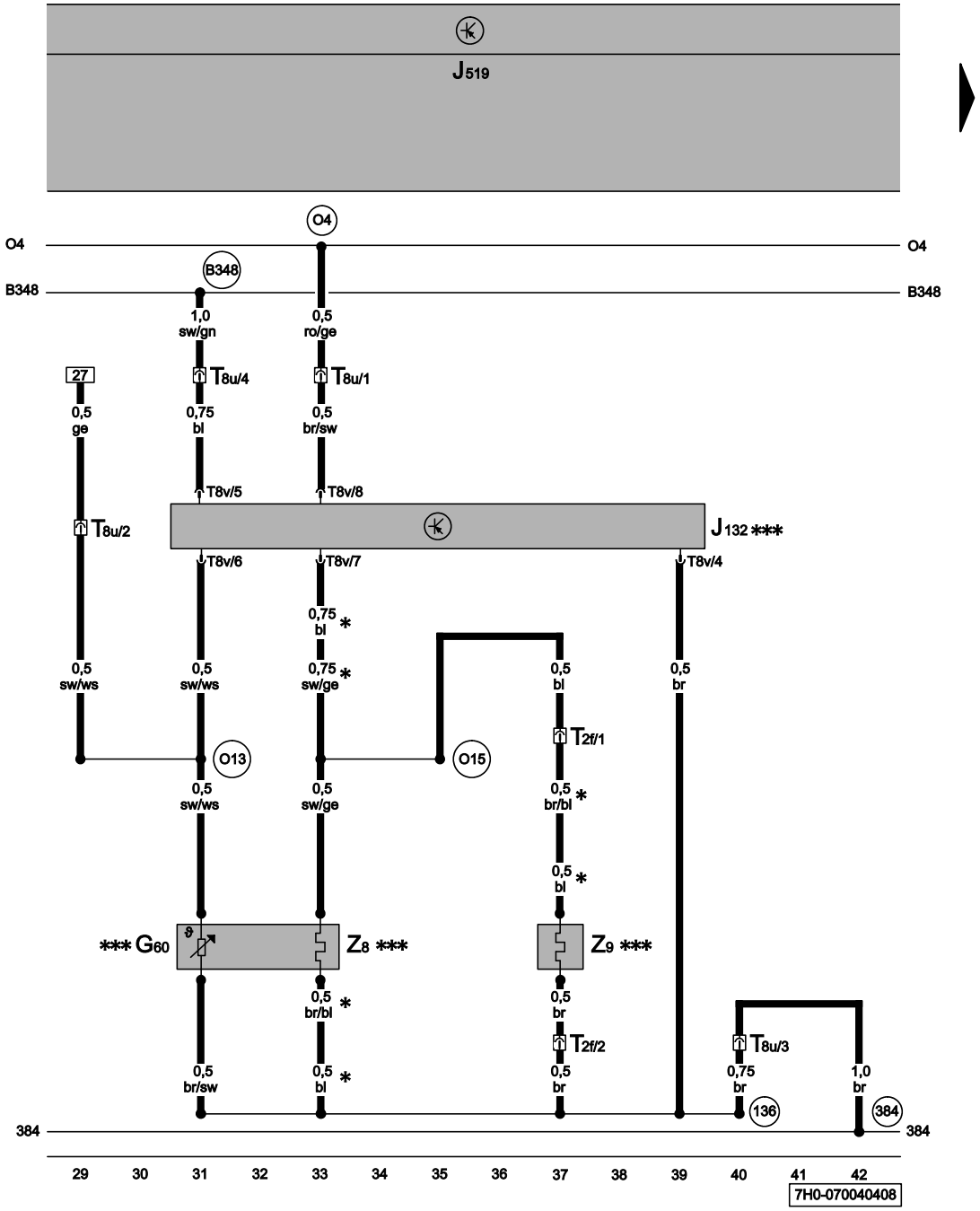
G59	Driver seat temperature sensor
J131	Heated driver seat control unit
J519	Onboard supply control unit
T2e	2-pin connector, black, in driver seat
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T18	18-pin connector, black
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
96	Earth connection 1, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O12	Connection 1, in seat heating wiring harness
O14	Connection 3, in seat heating wiring harness
*	Depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heated front passenger seat regulator, heated front passenger seat regulator

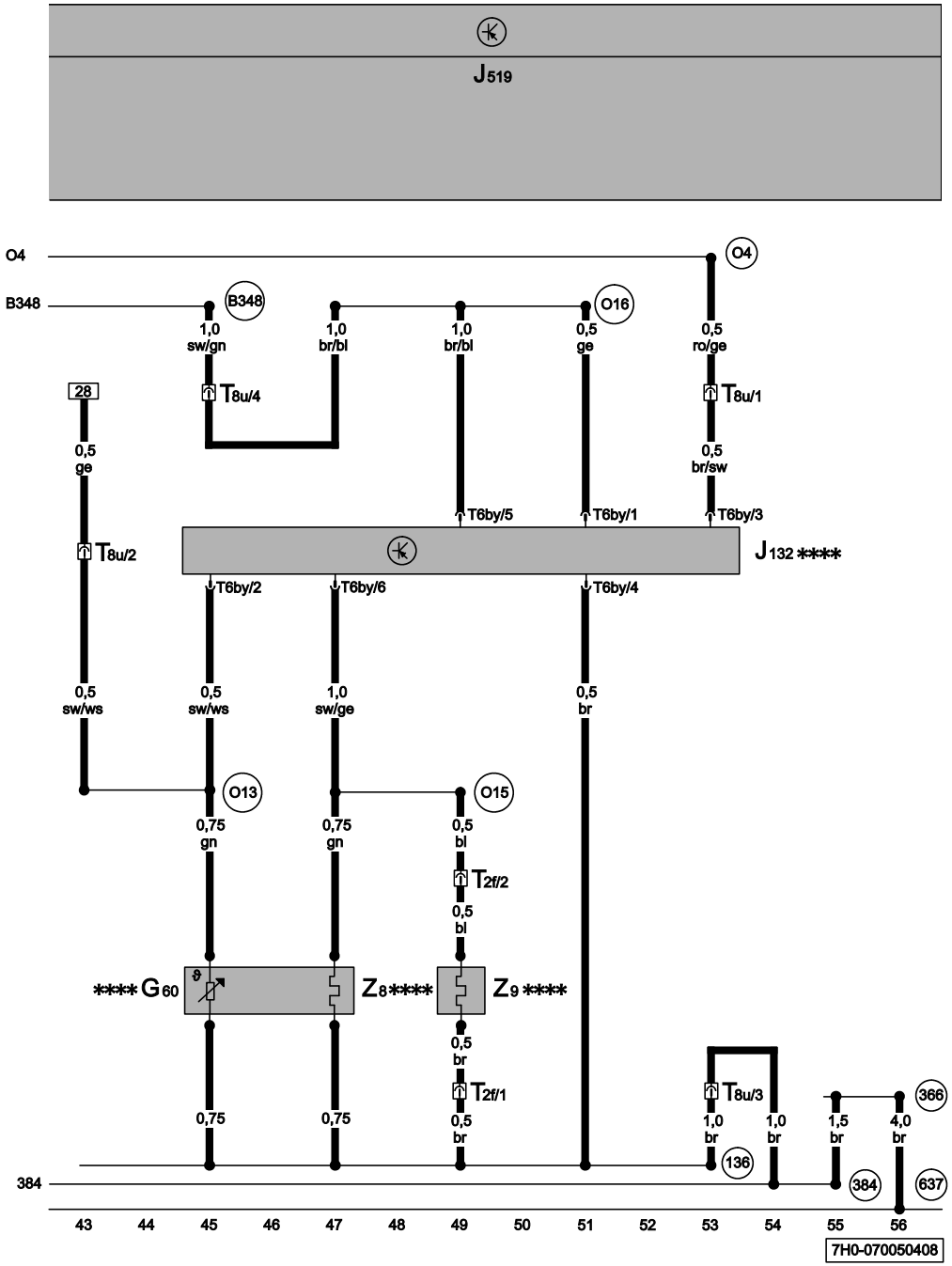
E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J519	Onboard supply control unit
L44	Seat heating switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8s	8-pin connector, black, under driver seat
384	Earth connection 19, in main wiring harness
B138	Positive connection (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O12	Connection 1, in seat heating wiring harness
*	for convenience-dash panel only
**	for standard-dash panel only
***	only for single seat on front passenger side
****	only for double seat on front passenger side



ws = white
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Heated front passenger seat regulator, heated front passenger seat control unit, heated front passenger seat cushion, heated front passenger seat backrest, heated front passenger seat cushion, front passenger seat temperature sensor

G60	Front passenger seat temperature sensor
J132	Heated front passenger seat control unit
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T8u	8-pin connector, black, under front passenger seat
T8v	8-pin connector
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
136	Earth connection 2, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness
O15	Connection 4, in seat heating wiring harness
*	Depends on equipment
***	only for single seat on front passenger side



Heated front passenger seat regulator, heated front passenger seat control unit, heated front passenger seat cushion, heated front passenger seat backrest, heated front passenger seat cushion, front passenger seat temperature sensor

G60	Front passenger seat temperature sensor
J132	Heated front passenger seat control unit
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T6by	6-pin connector
T8u	8-pin connector, black, under front passenger seat
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
384	Earth connection 19, in main wiring harness
637	Earth point, airbag control unit
B348	Connection 1 (75A), in main wiring harness
O4	Positive connection (30as), in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness
O15	Connection 4, in seat heating wiring harness
O16	Connection 5, in seat heating wiring harness
****	only for double seat on front passenger side

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink

Headlight multivan

from March 2003

Notes:

For information concerning

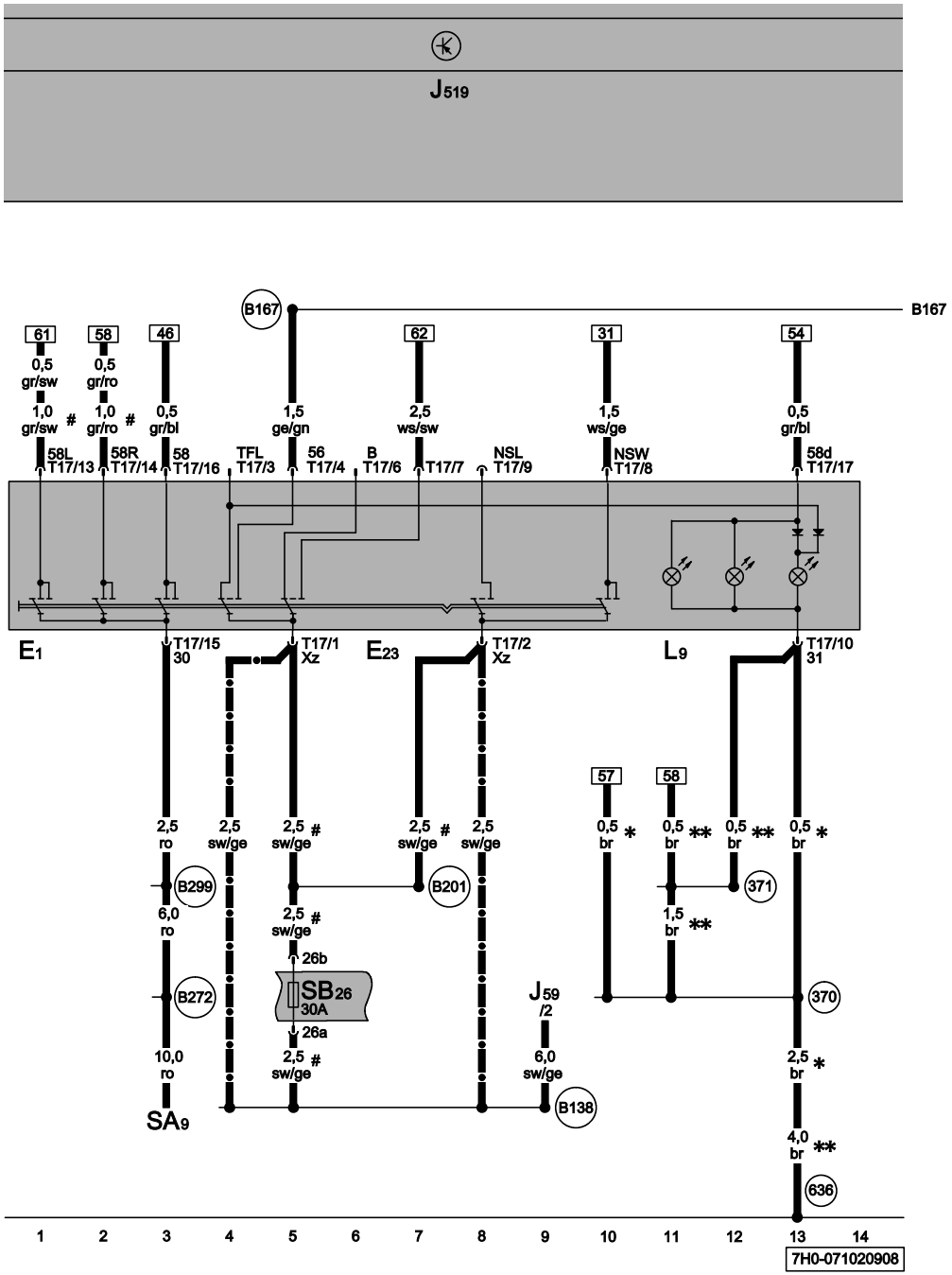
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



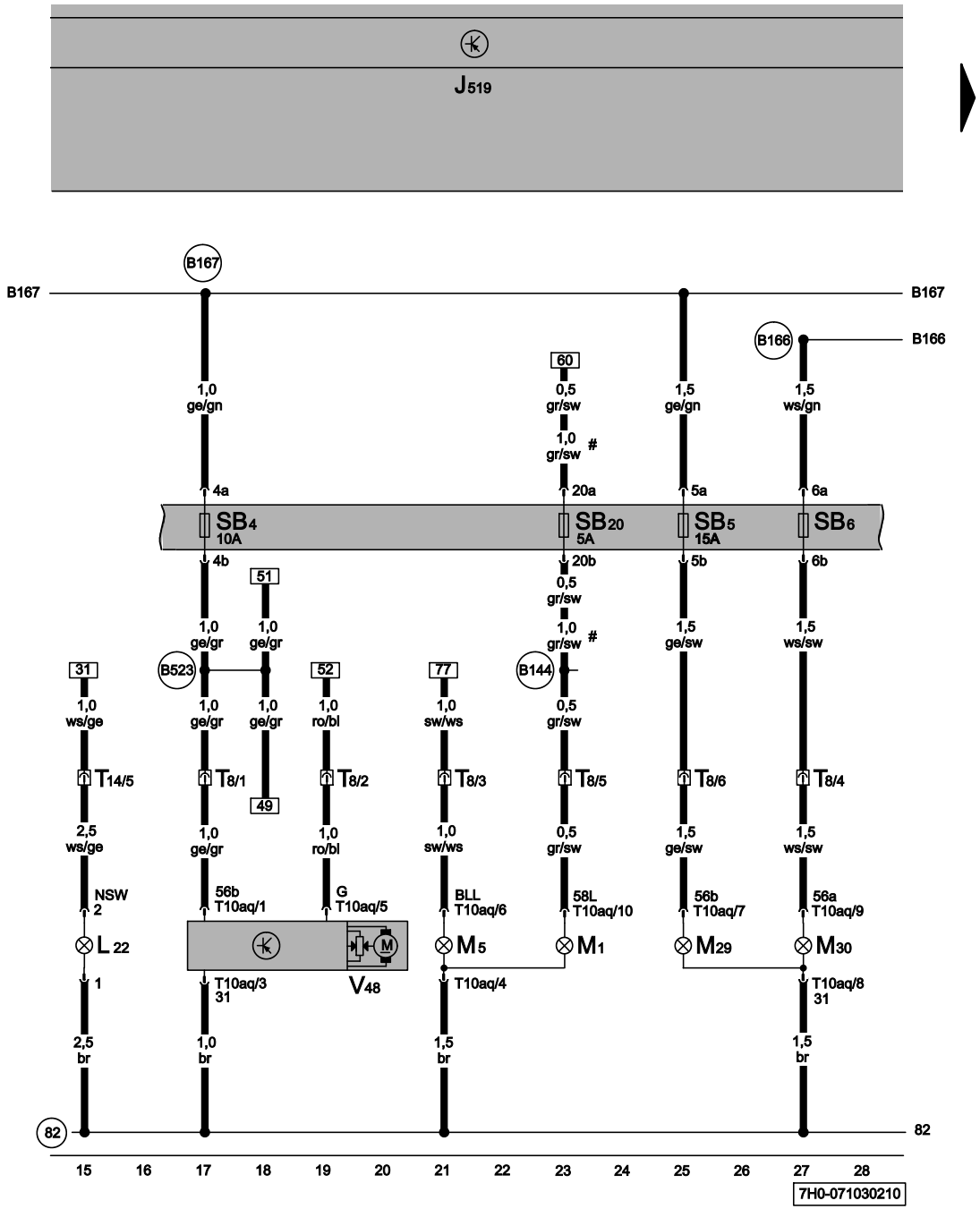
ws = white

Light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
#	applicable from February 2004

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applicable up to January 2004

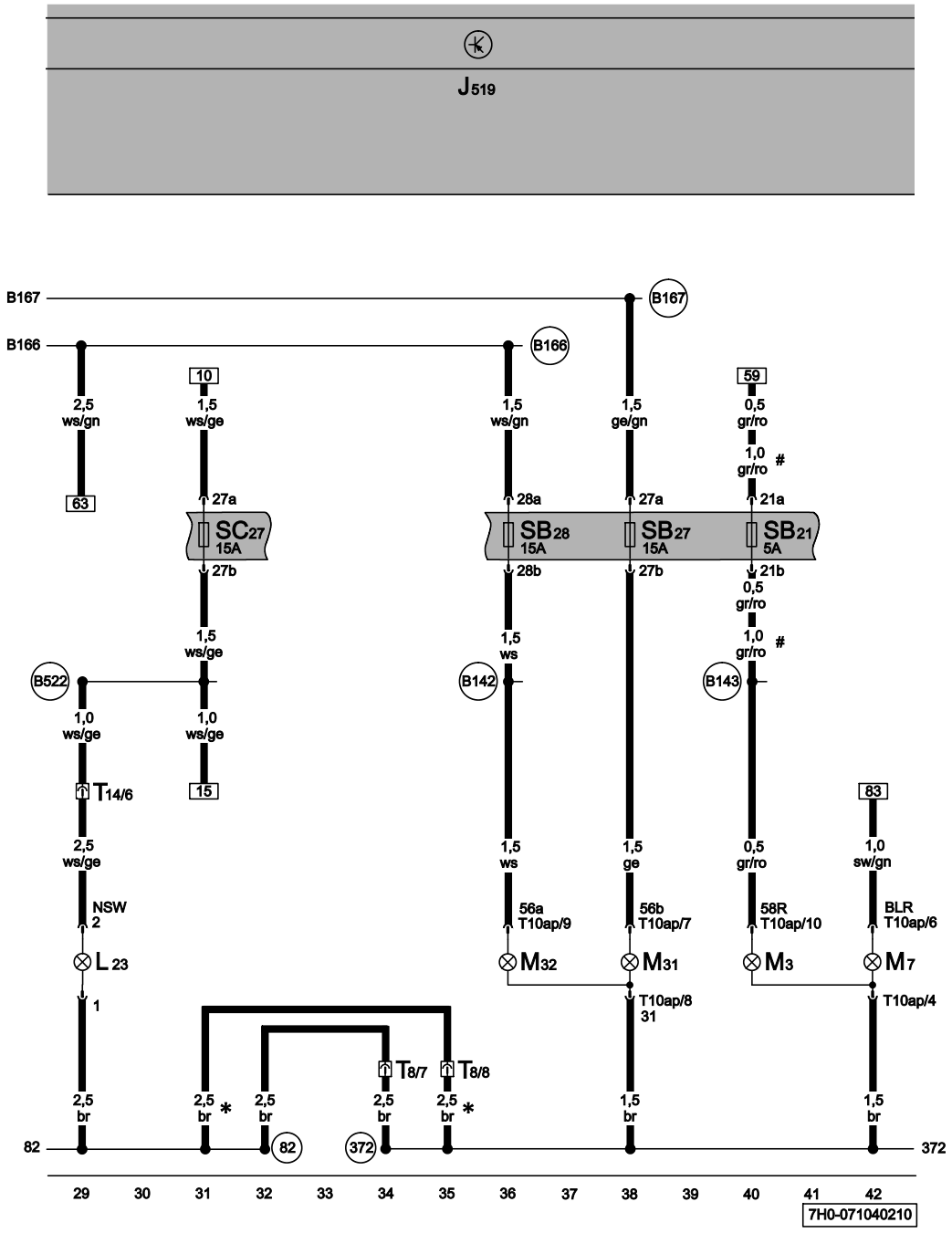
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ro	=	red	>
br	=	brown	
gn	=	green	
bl	=	blue	
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Fuses, left headlight dipped beam bulb, left headlight main beam bulb, left headlight range control motor, side light bulb, front left turn signal bulb

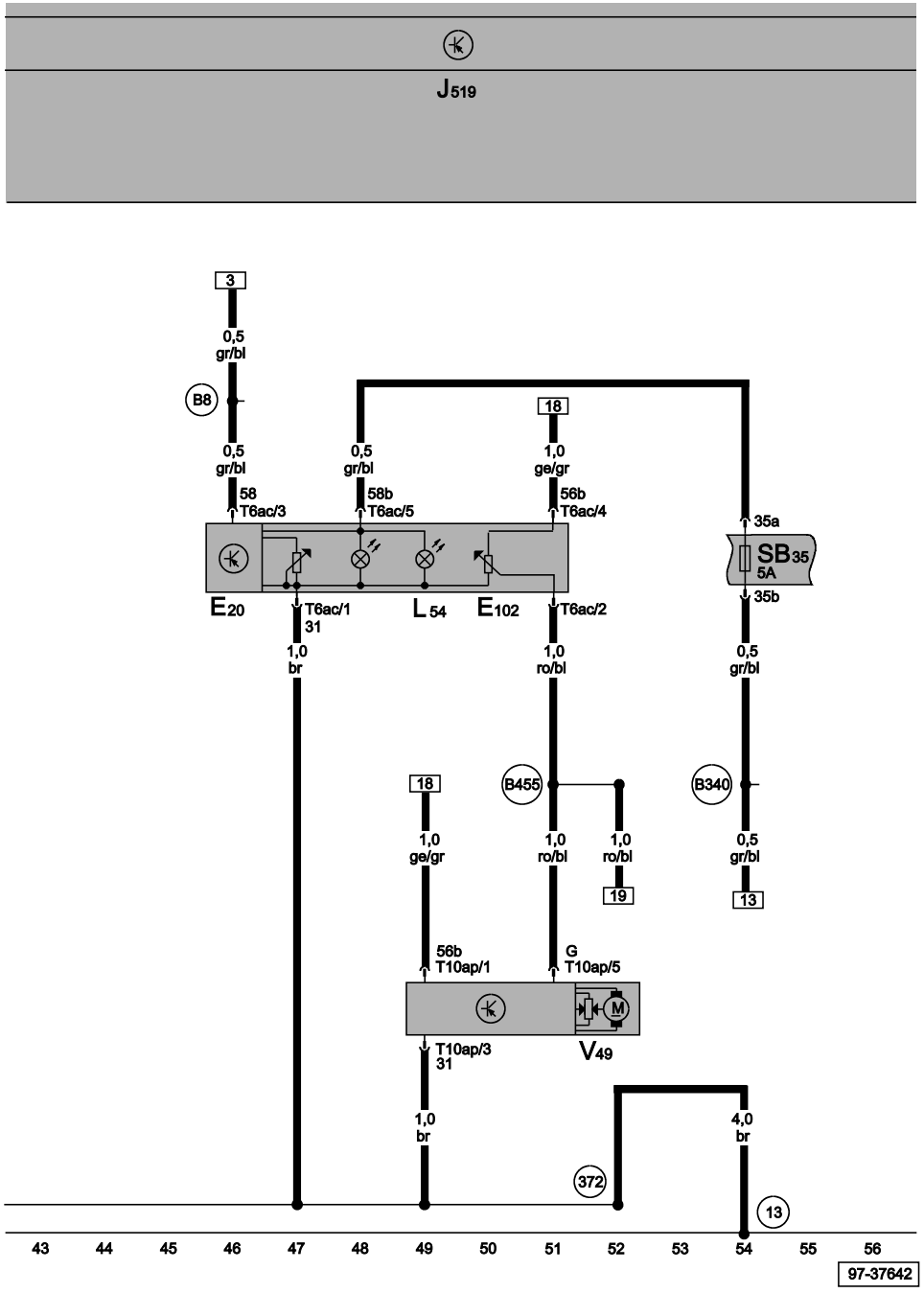
J519	Onboard supply control unit
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
#	applicable from February 2004



ws = white
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gr = grey
li = purple
ge = yellow
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Fuses, right headlight dipped beam bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb

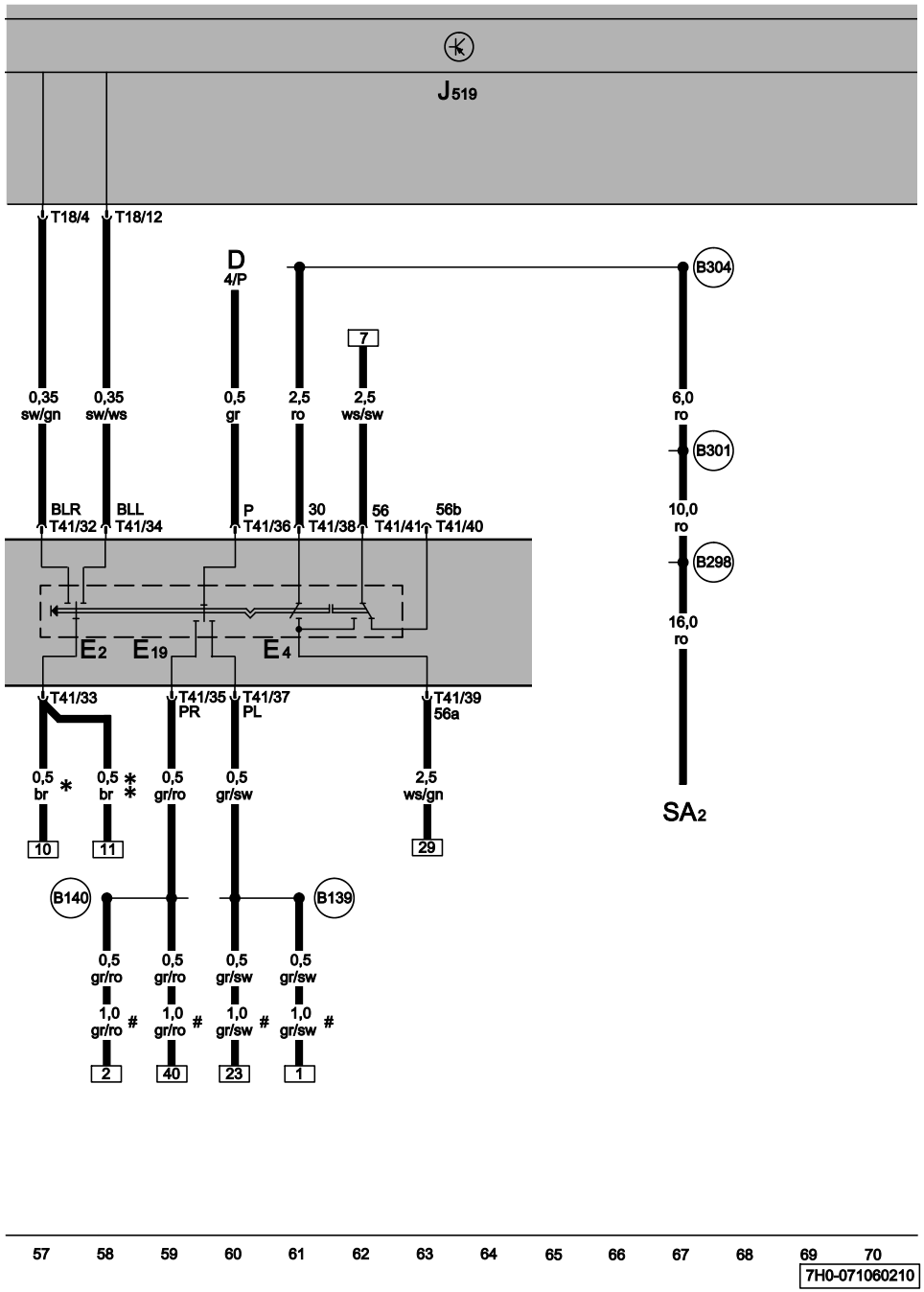
J519	Onboard supply control unit
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
#	applicable from February 2004



Fuse, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness

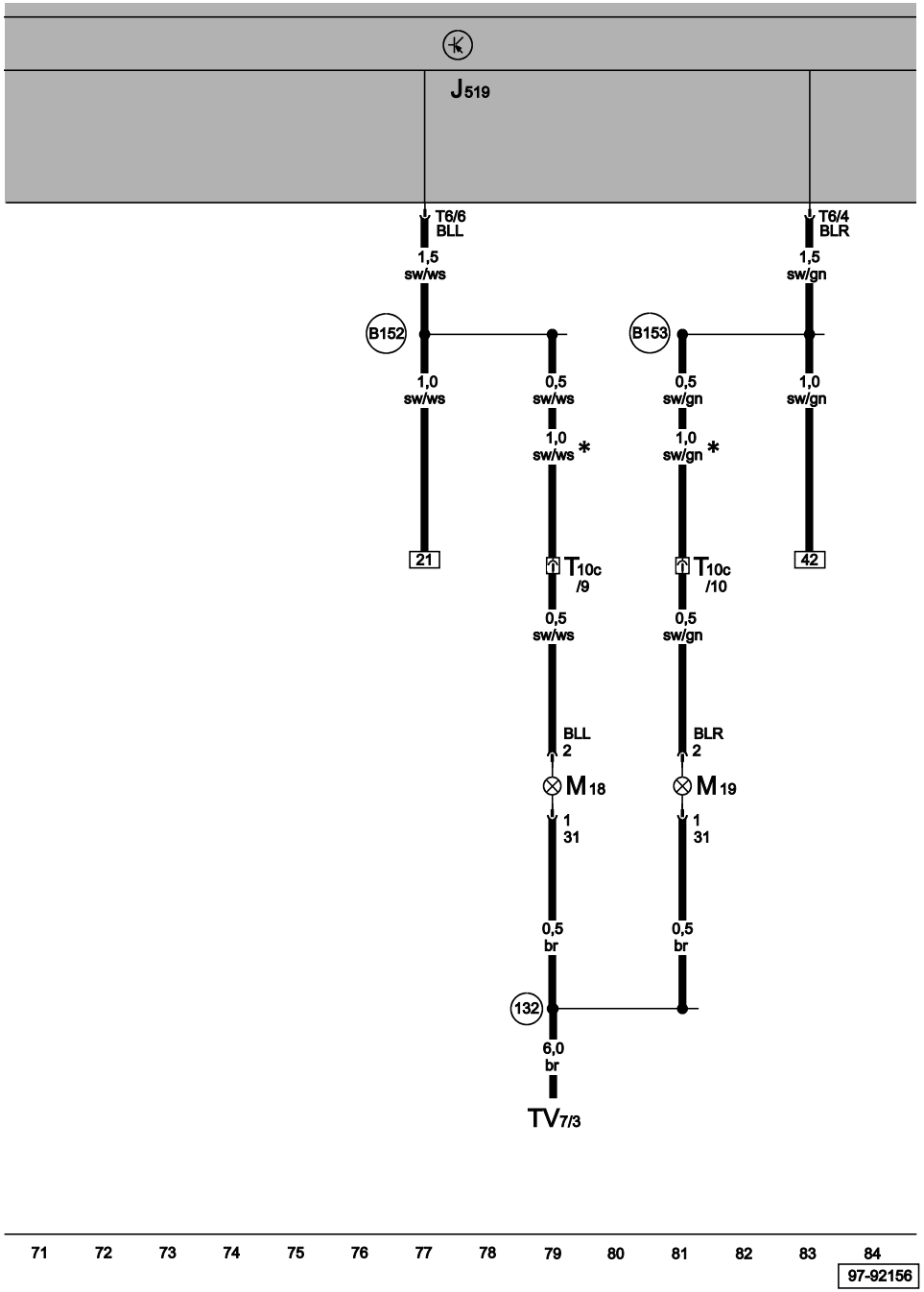
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sw	=	black
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or	=	orange
rs	=	pink



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	applicable up to May 2003
**	applicable from June 2003
#	applicable from February 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
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Left side mounted turn signal bulb, right side mounted turn signal bulb

J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	applicable from March 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink

Turn signal, roof

from January 2005

Notes:

For information concerning

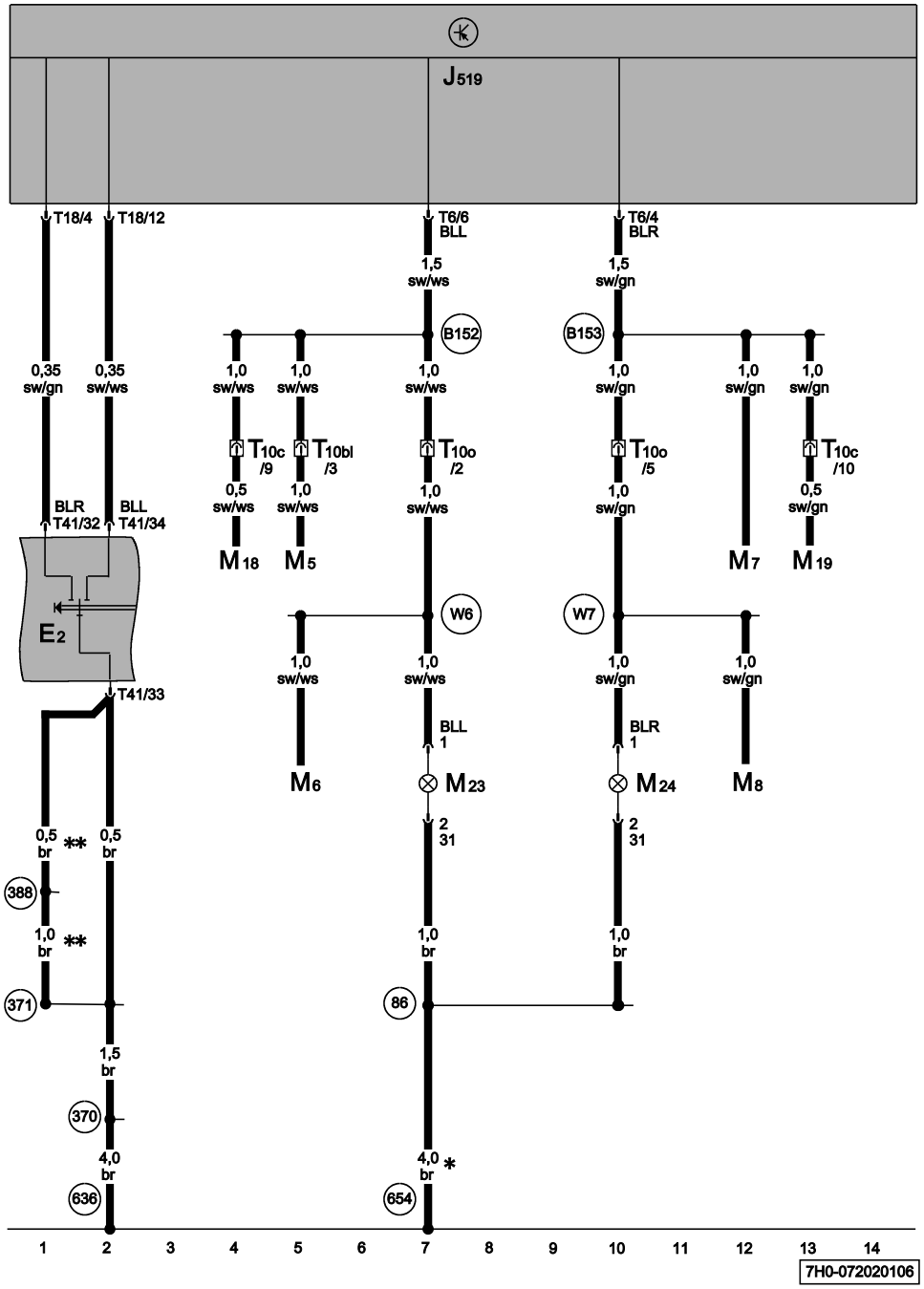
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



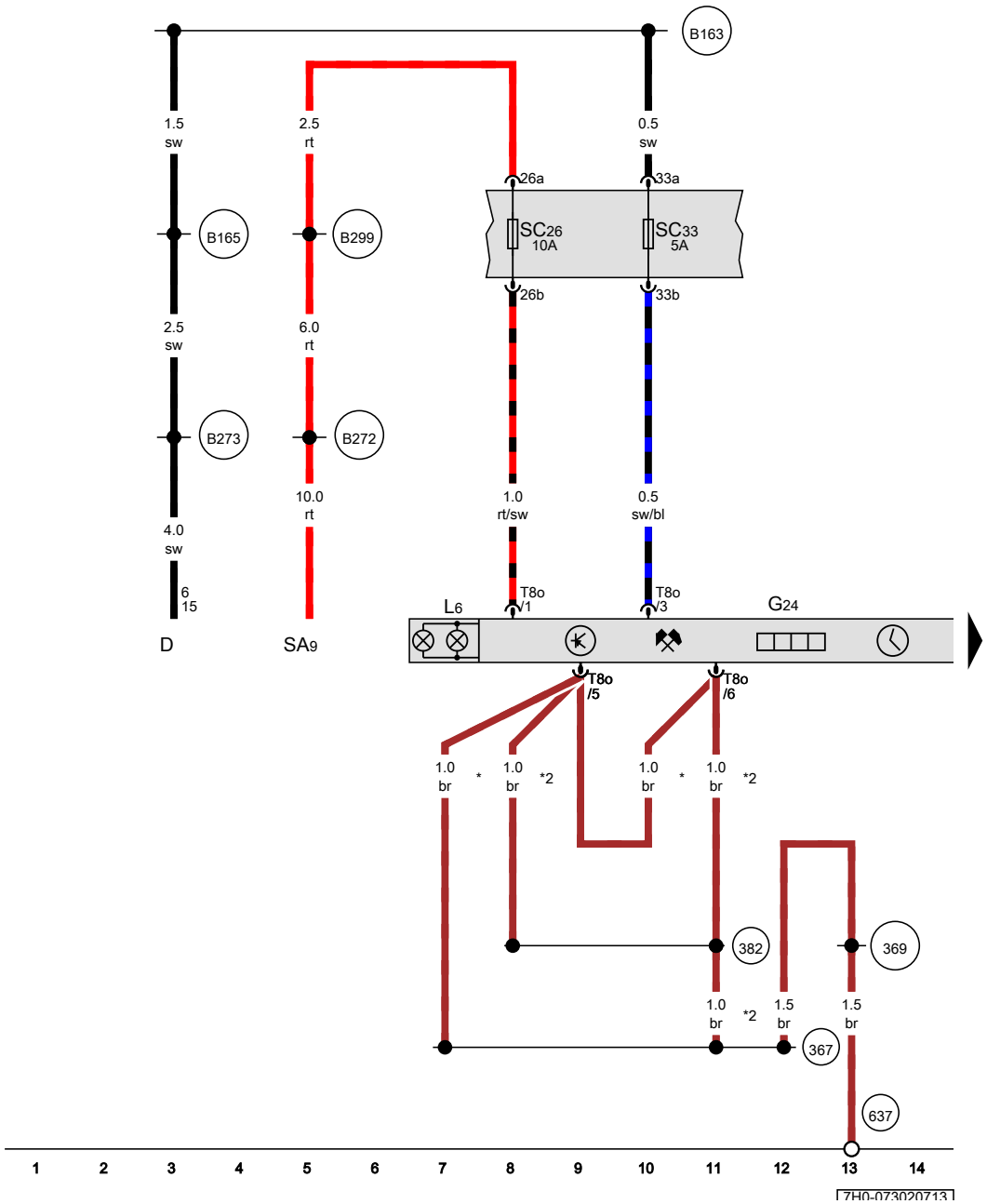
ws = white
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Roof turn mounted signal bulb

E2	Turn signal switch
J519	Onboard supply control unit
M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M8	Rear right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
M23	Left roof turn mounted signal bulb
M24	Right roof mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T10bl	10-pin connector, near front right headlight
T18	18-pin connector, black
T41	41-pin connector
86	Earth connection 1, in rear wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
654	Earth point, right D-pillar
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W6	Connection (left turn signal), in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
*	cross-section depends on equipment
**	applicable from January 2006

Tachograph , (9ND),(9NE),(9NS),(9NT),(9NZ)

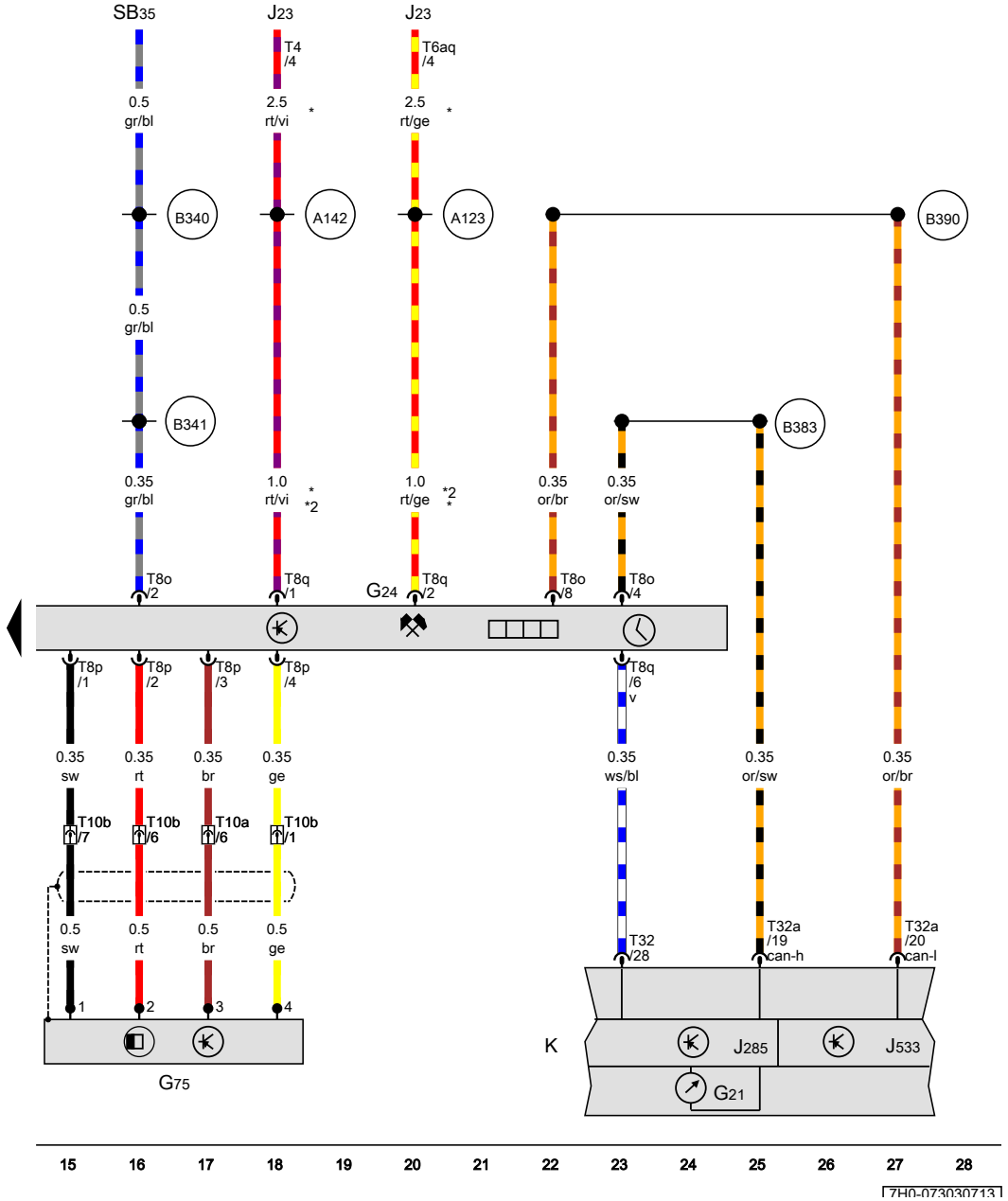
From February 2004



ws = white
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
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Tachograph, Speedometer illumination bulb, Fuse 26 on fuse holder C, Fuse 33 on fuse holder C

D	Ignition/starter switch
G24	Tachograph
L6	Speedometer illumination bulb
SA9	Fuse 9 in fuse holder A
SC26	Fuse 26 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
382	Earth connection 17, in main wiring harness
637	Earth point, airbag control unit
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	From July 2004
*2	Up to June 2004



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Tachograph, Tachograph sender, Data bus diagnostic interface, Dash panel insert

G21	Speedometer
G24	Tachograph
G75	Tachograph sender
J23	Rotating light and siren system control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
SB35	Fuse 35 on fuse holder B
T4	4-pin connector, black
T6aq	6-pin connector, black
T8o	8-pin connector, white
T8p	8-pin connector, yellow
T8q	8-pin connector, brown
T10a	10-pin connector, in E-box in engine compartment, brown
T10b	10-pin connector, in E-box in engine compartment, white
T32	32-pin connector, blue
T32a	32-pin connector, blue
A123	Connection (siren), in dash panel wiring harness
A142	Positive connection 2 (siren), in dash panel wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with special signal
*2	Only models with tachograph with no mechanical recording

Shuttle interior lighting, with roof console in headlining

⇒ **Step illumination**

from January 2004

Notes:

For information concerning

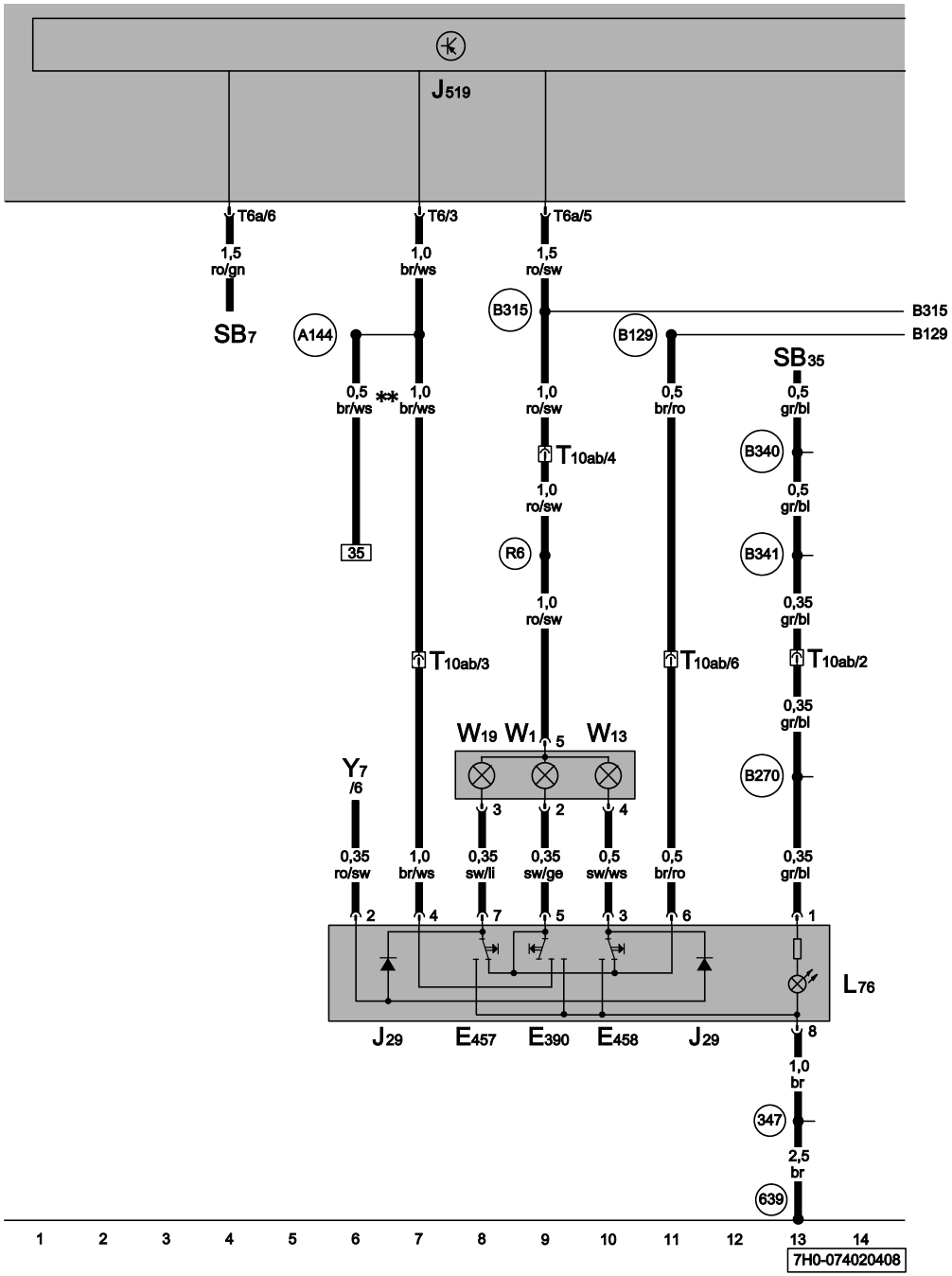
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

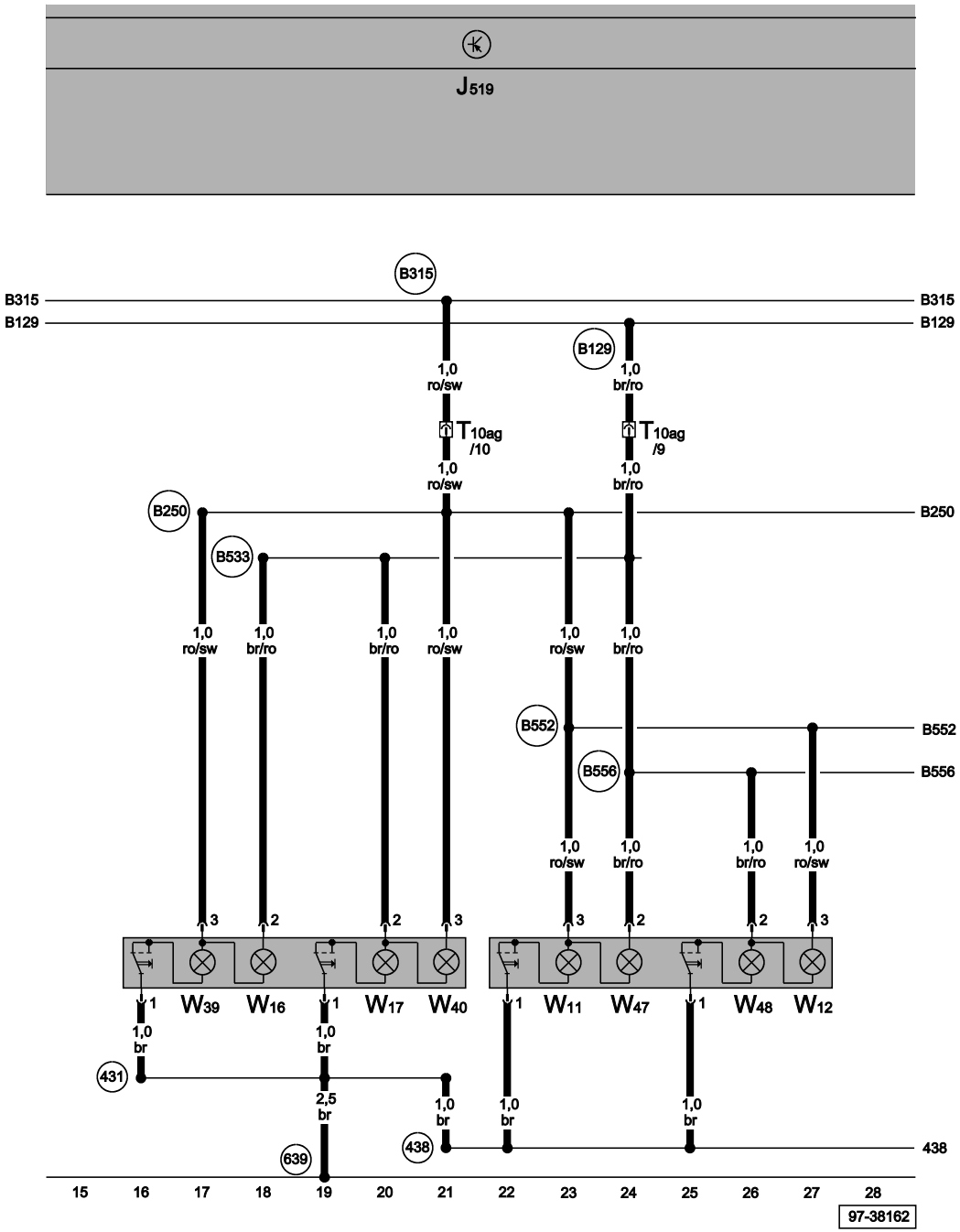
⇒ guided fault finding



ws = white
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gn = green
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or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

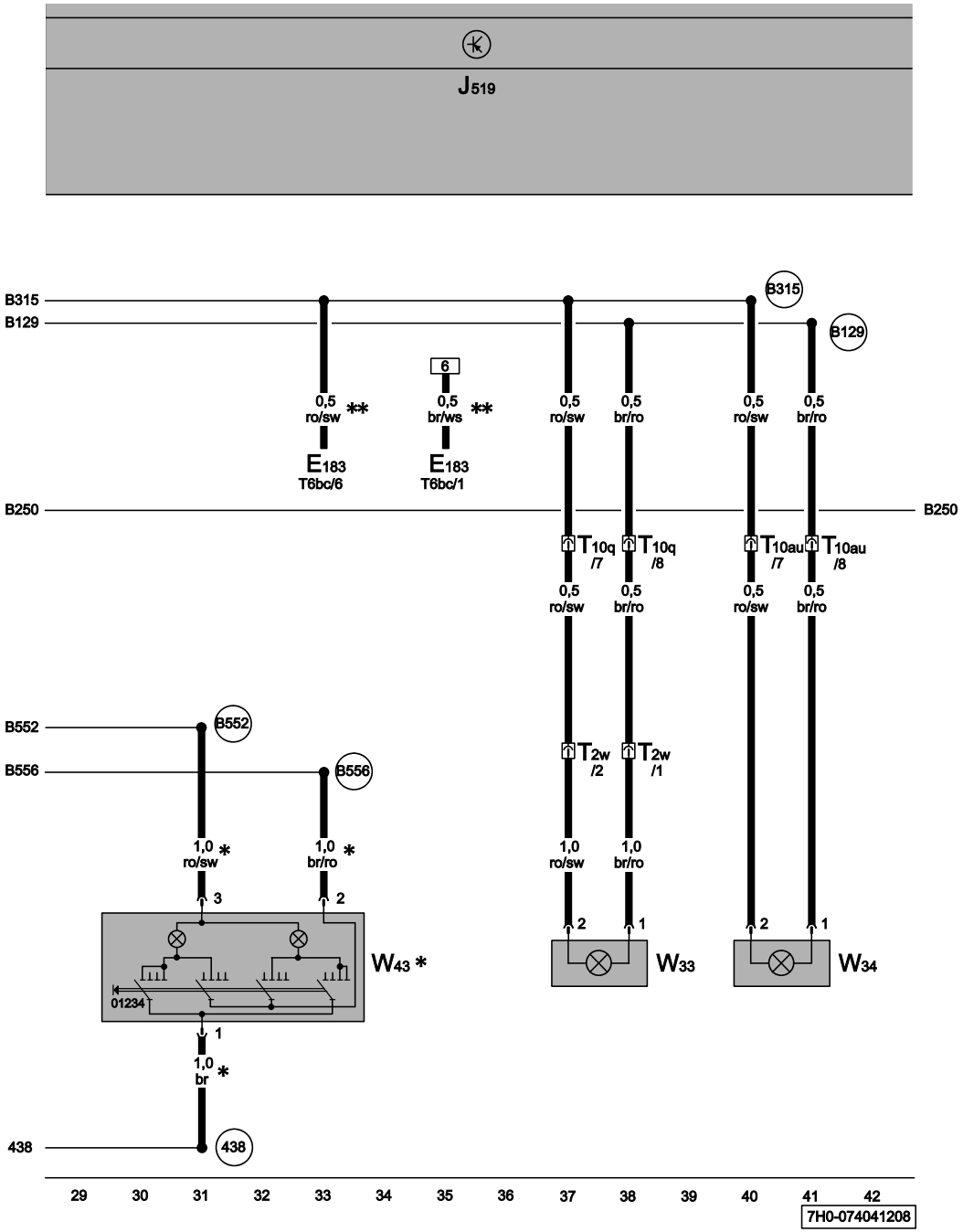
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
**	for models with anti-theft alarm system only 7AL/7AQ



ws = white
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Left and right interior lights, rear left and right interior lights, left centre and right reading lights, rear left and right reading lights

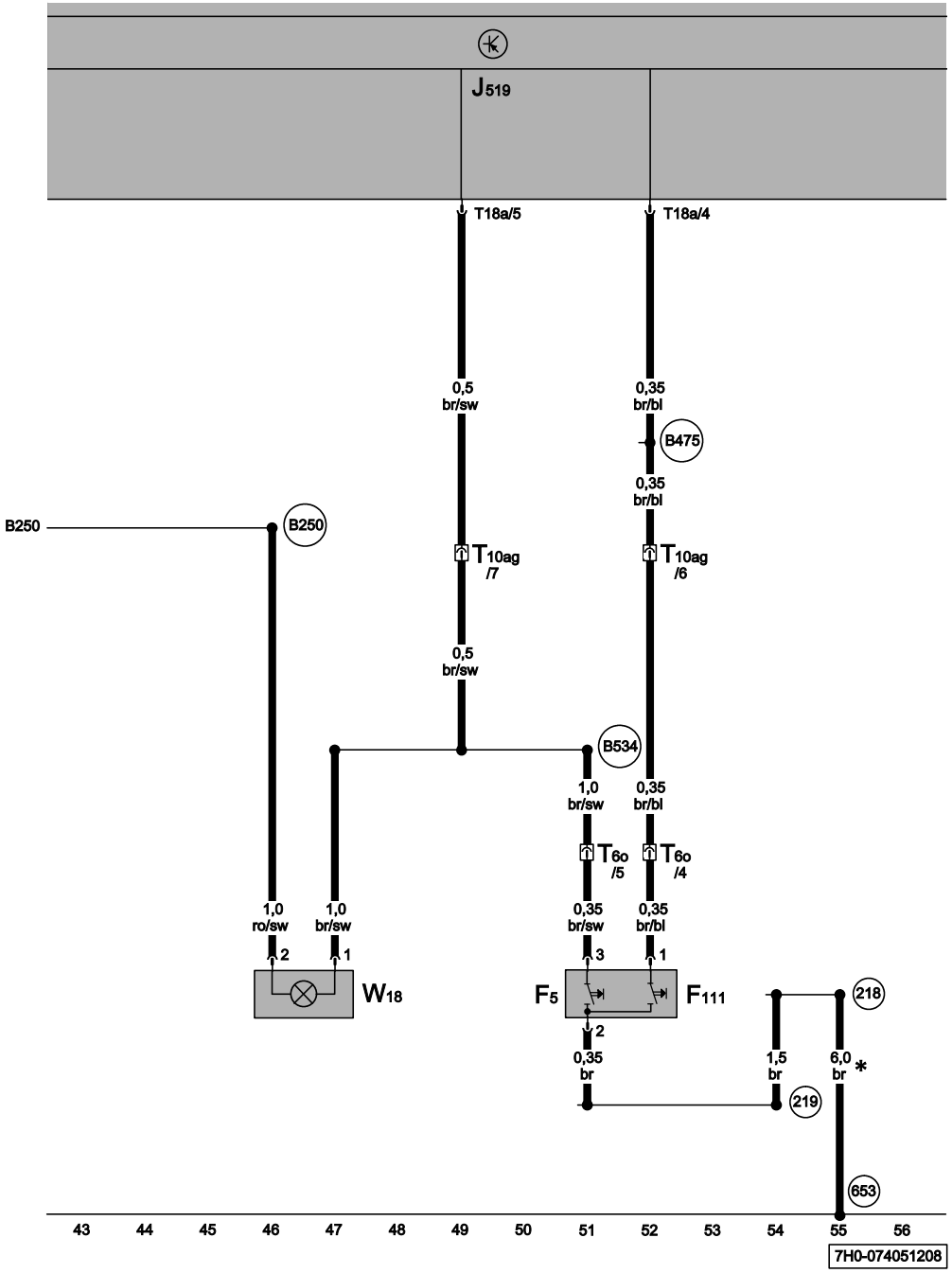
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W39	Left centre reading light
W40	Right centre reading light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
438	Earth connection 3, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
B552	Positive connection 2, in roof wiring harness
B556	Connection 2 (DCt), in roof wiring harness



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Rear interior light, rear left and right entry light, interior monitoring switch

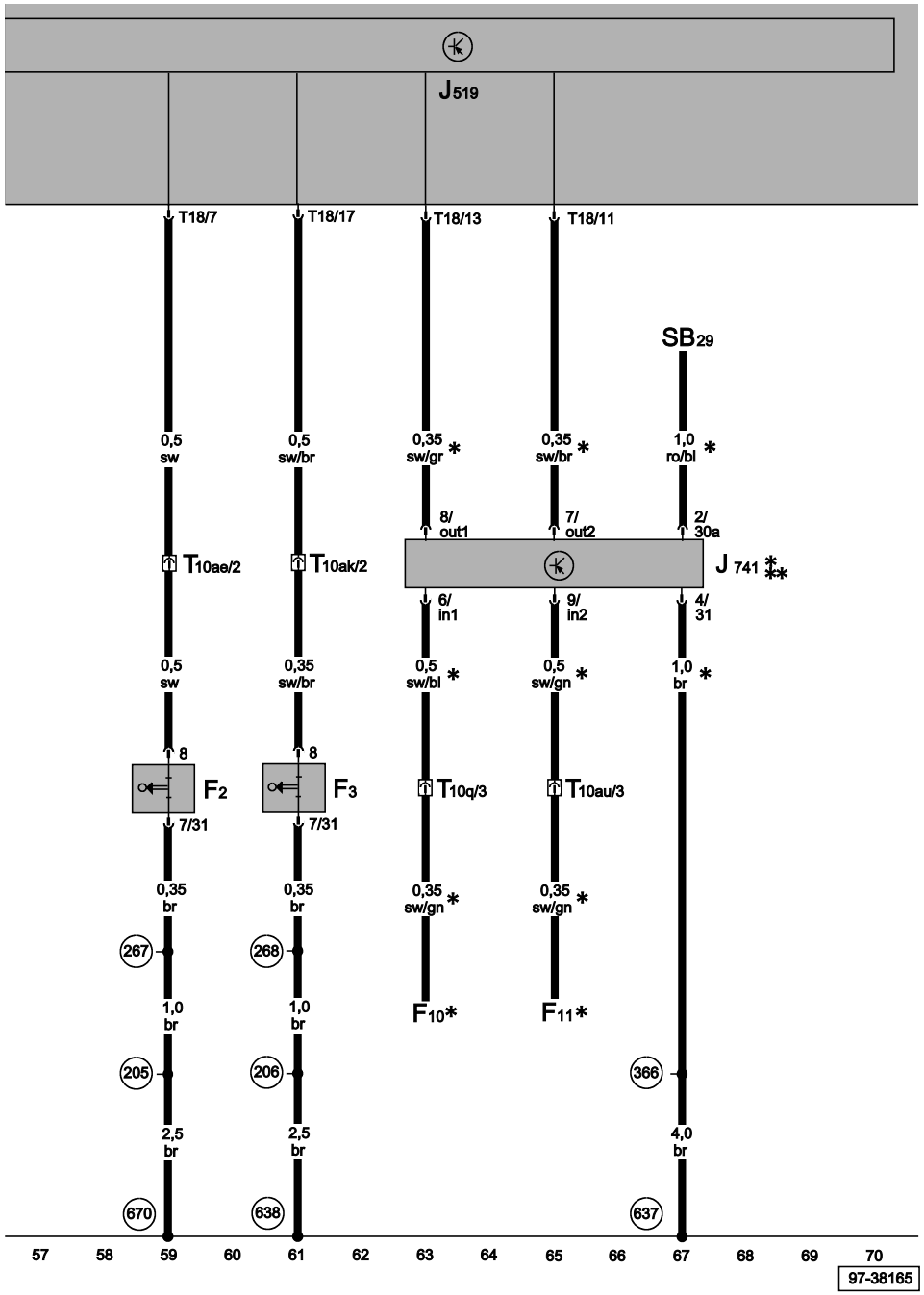
E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6bc	6-pin connector, blue
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
W33	Rear left entry light
W34	Rear right entry light
W43	Rear interior light
438	Earth connection 3, in roof wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness
B556	Connection 2 (DCt), in roof wiring harness
*	for models with long wheel base only
**	for models with anti-theft alarm system only 7AL/7AQ



Luggage compartment light switch, luggage compartment light on left

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Cross-section 4.0 possible

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Driver and front passenger side door contact switch, rear left and right door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models with basic equipment only, without CL in sliding doors
**	on relay carrier (2) cockpit ⇒ Fitting Locations

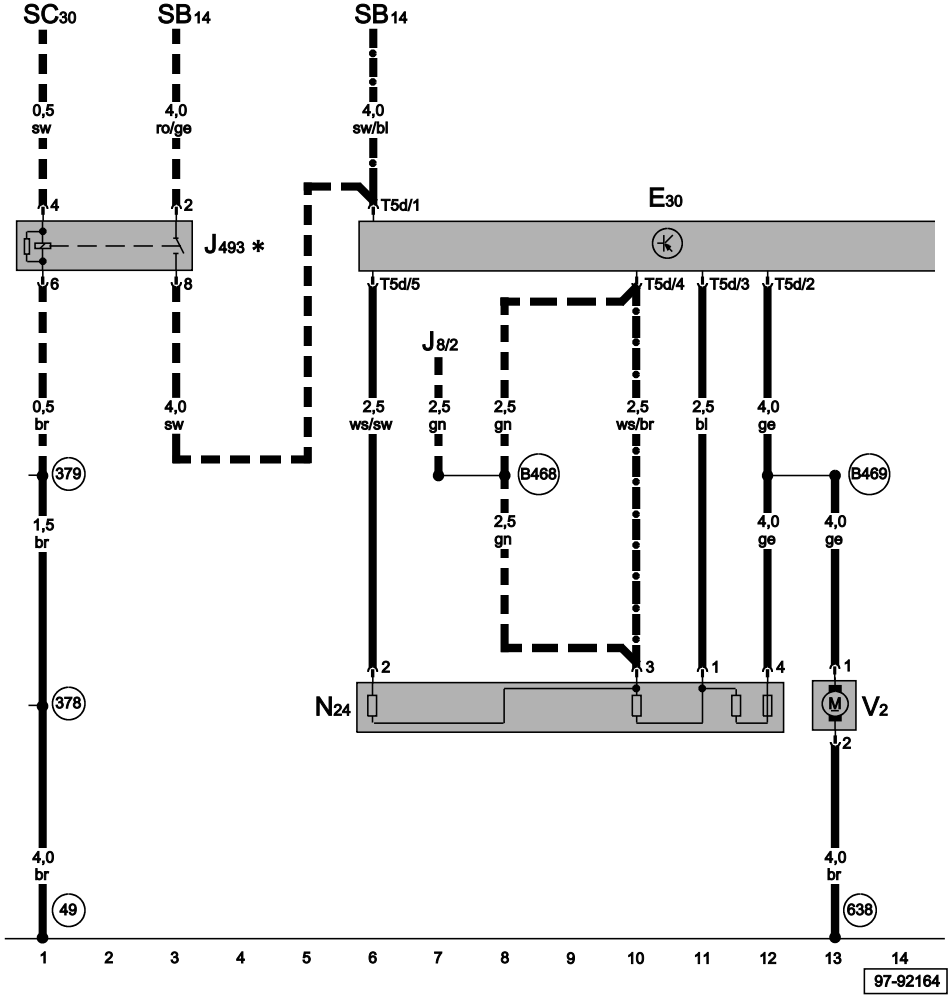
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Multivan, camper and shuttle vehicles**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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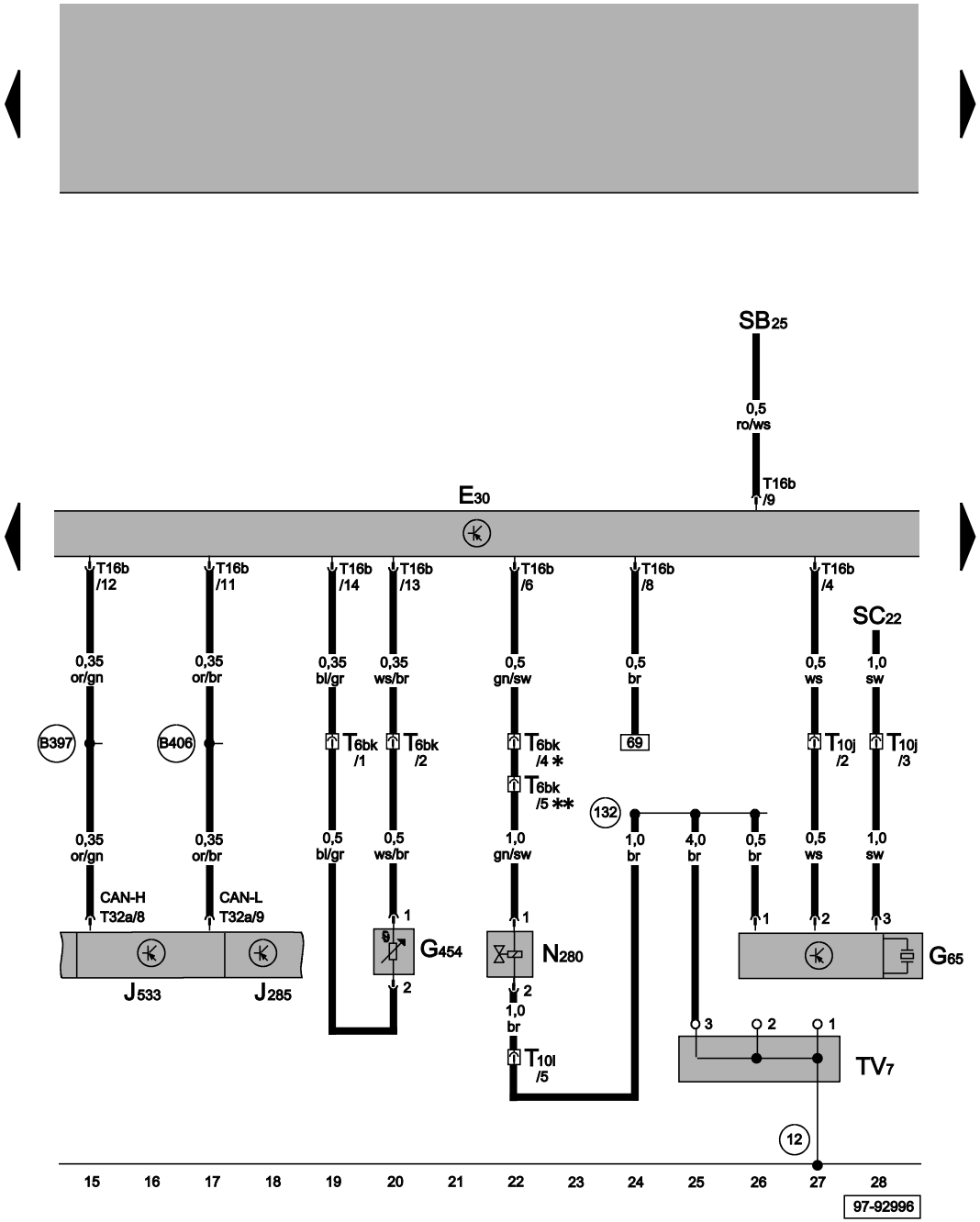
for models with auxiliary coolant heater only

<fo:external-graphic

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

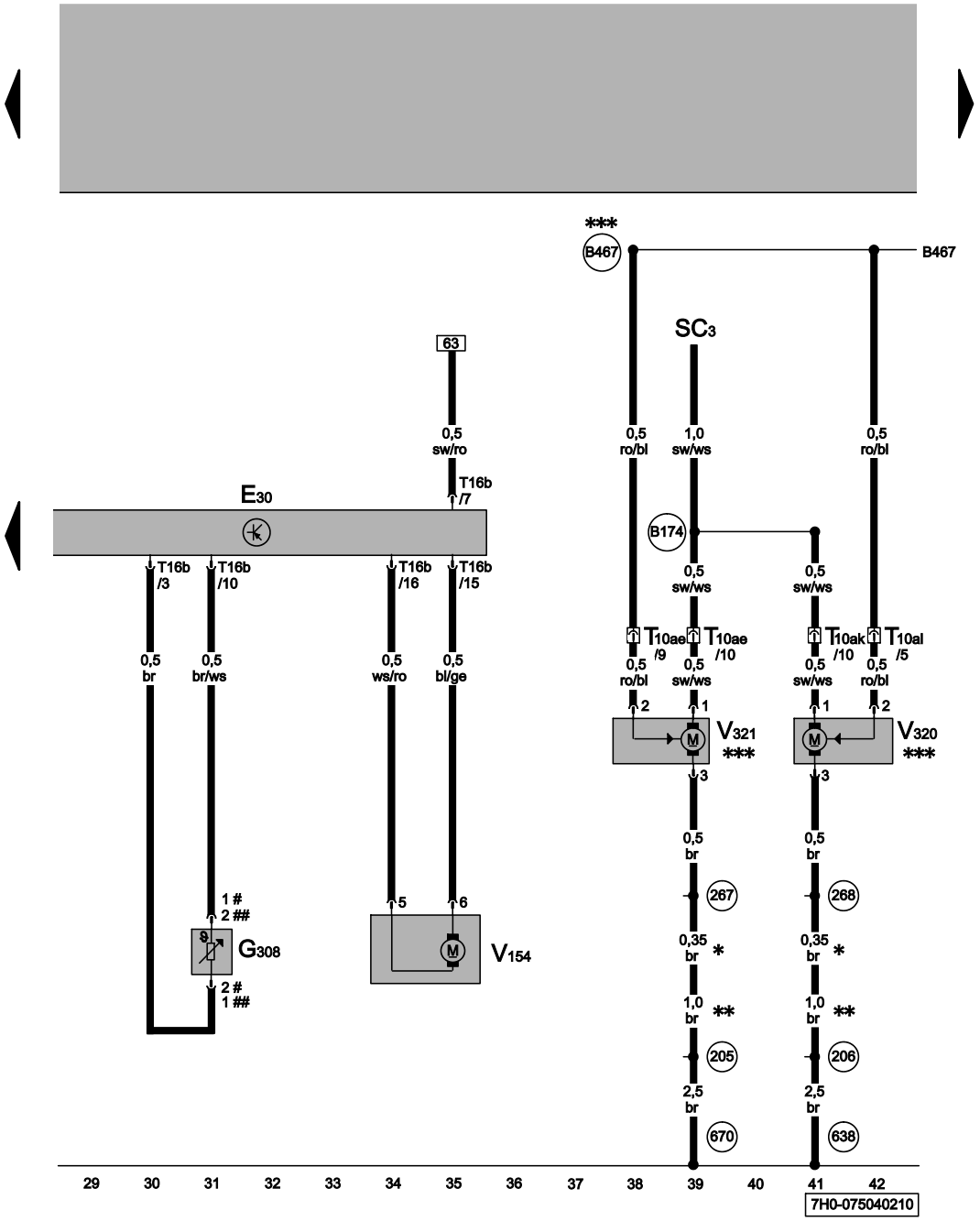
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

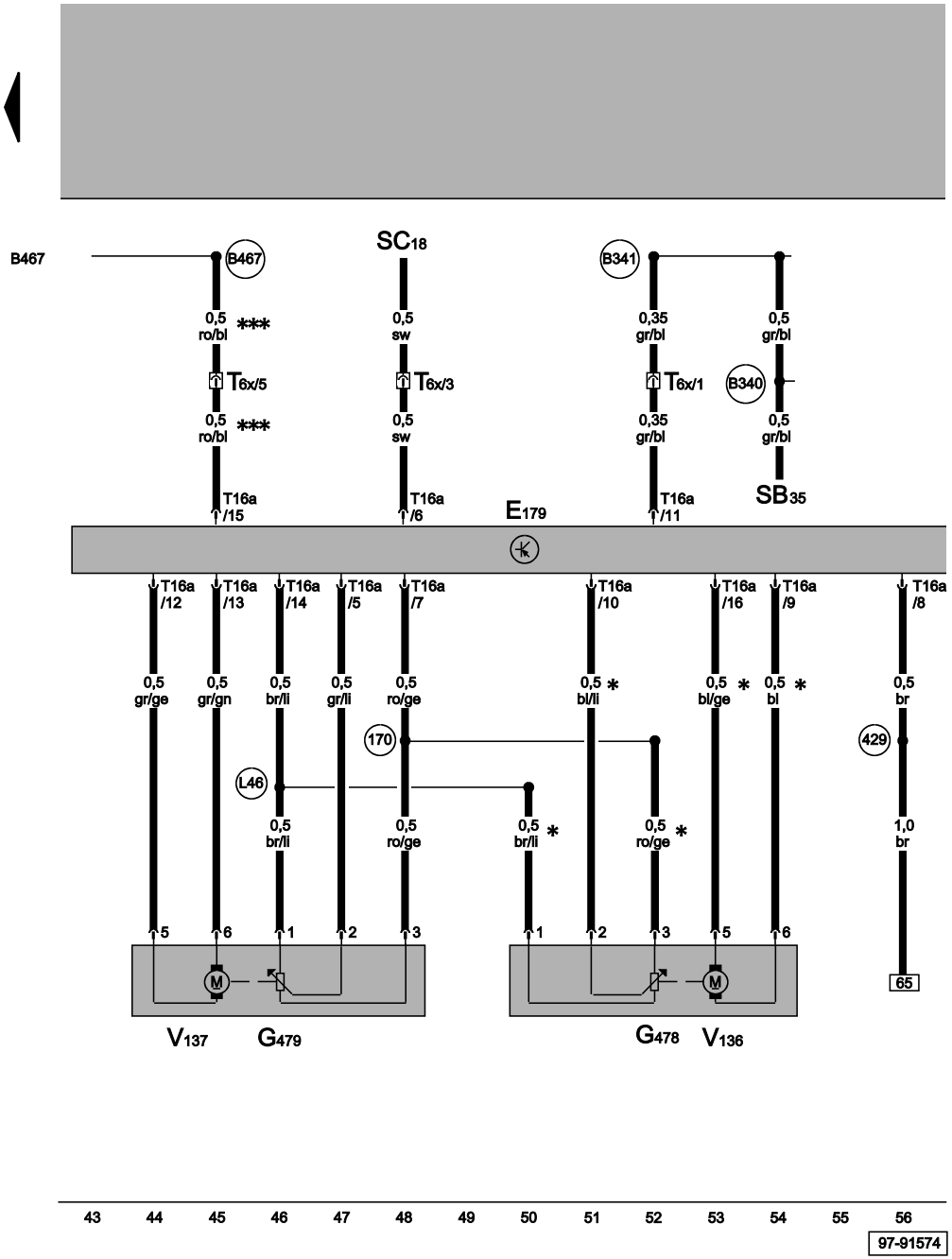
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Evaporator temperature sensor, fresh air and air recirculation flap control motor, air conditioning system switch, auxiliary blower

E30	Air conditioning system switch
G308	Evaporator temperature sensor
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
#	applicable up to March 2004
##	applicable from April 2004
*	applicable up to May 2004
**	applicable from June 2004
***	only models with auxiliary blower, in front doors

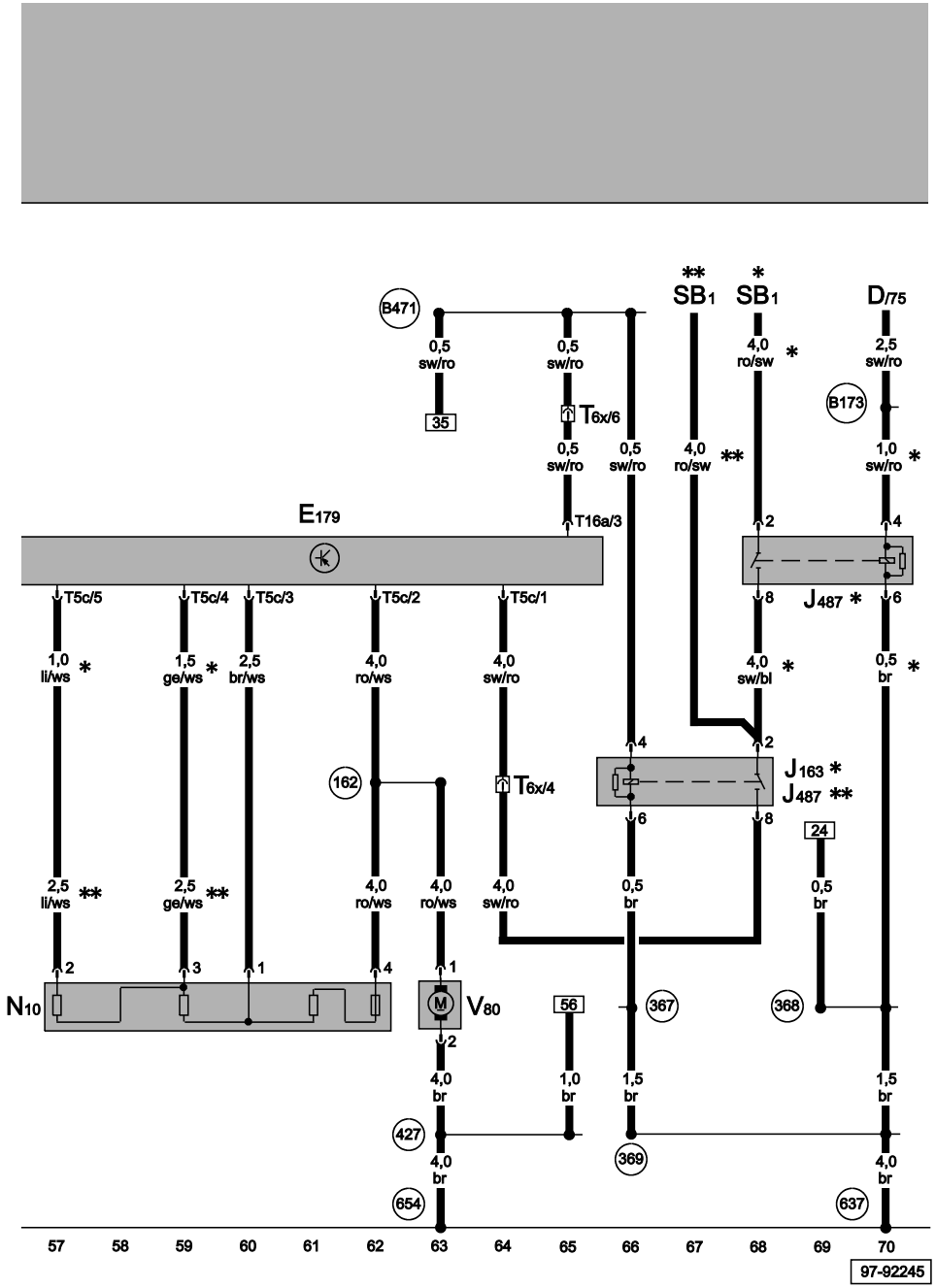


Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models without rear air distribution control motor only
***	only models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower relay



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B471	Connection 7 in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006

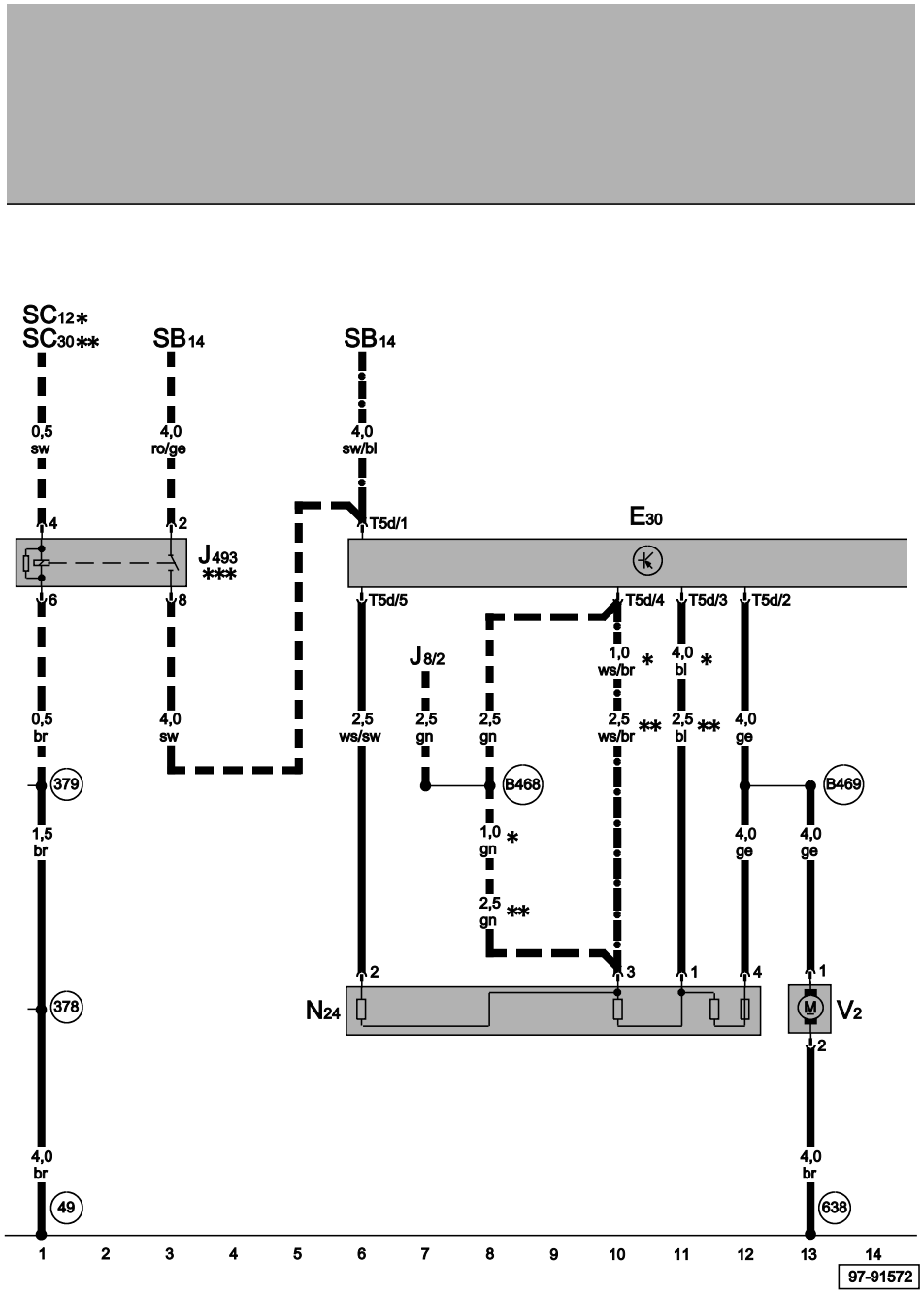
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from June 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

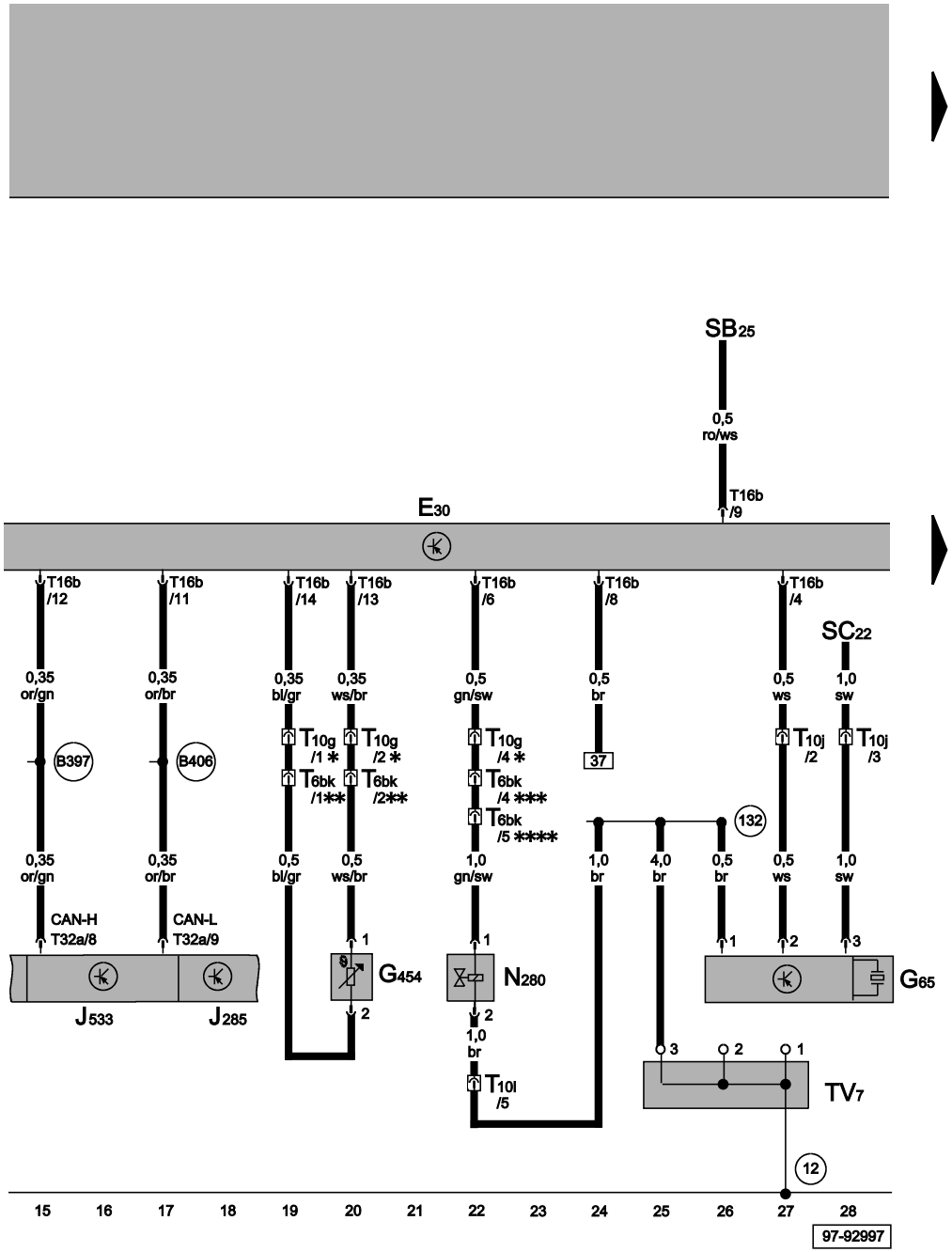


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC12	Fuse 12 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

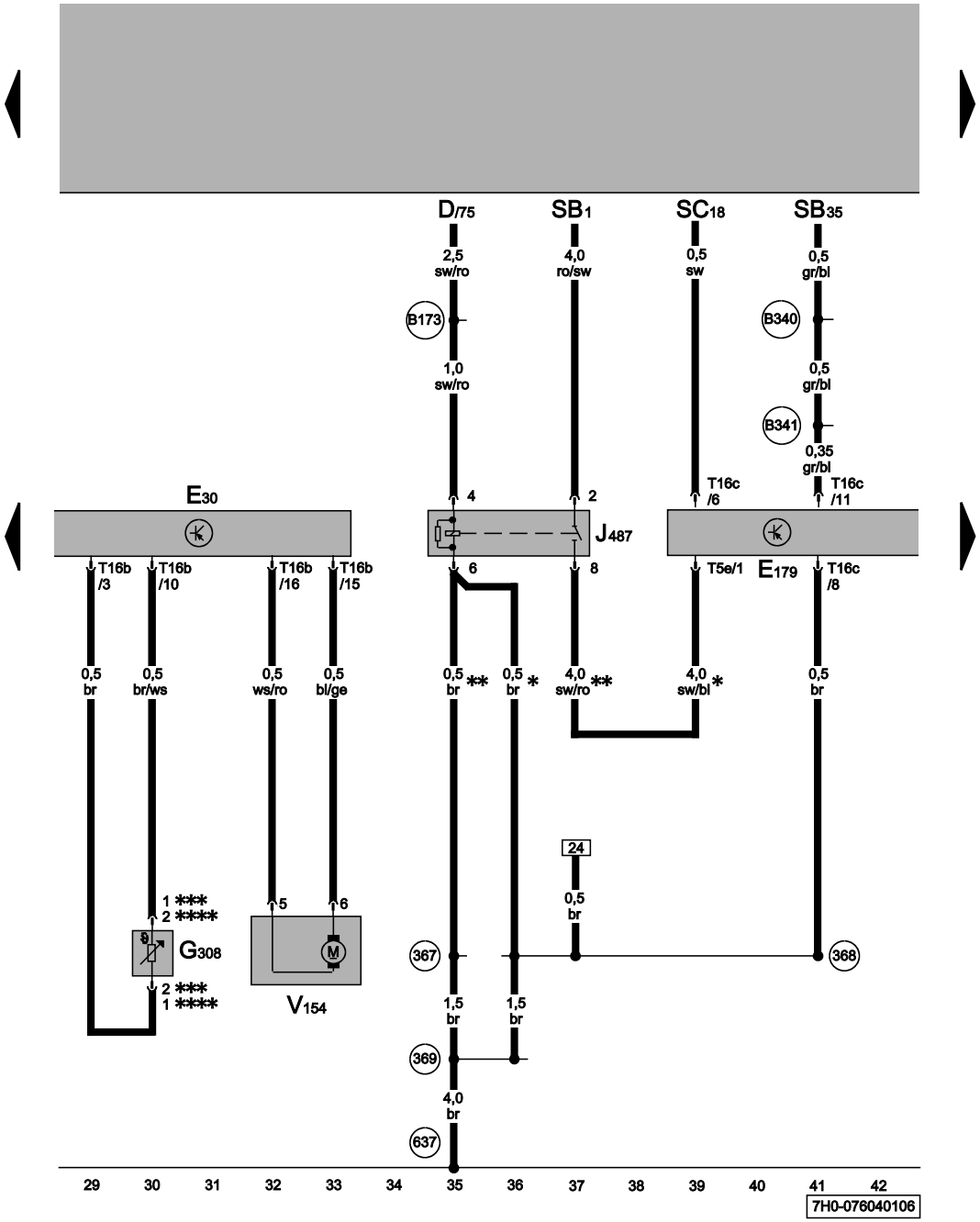
<fo:external-graphic src="../
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioning system compressor regulating valve, data bus diagnostic interface, air conditioning system switch

E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit with display in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder
SC22	Fuse 22 on fuse holder
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	applicable from February up to May 2004
****	applicable from June 2004



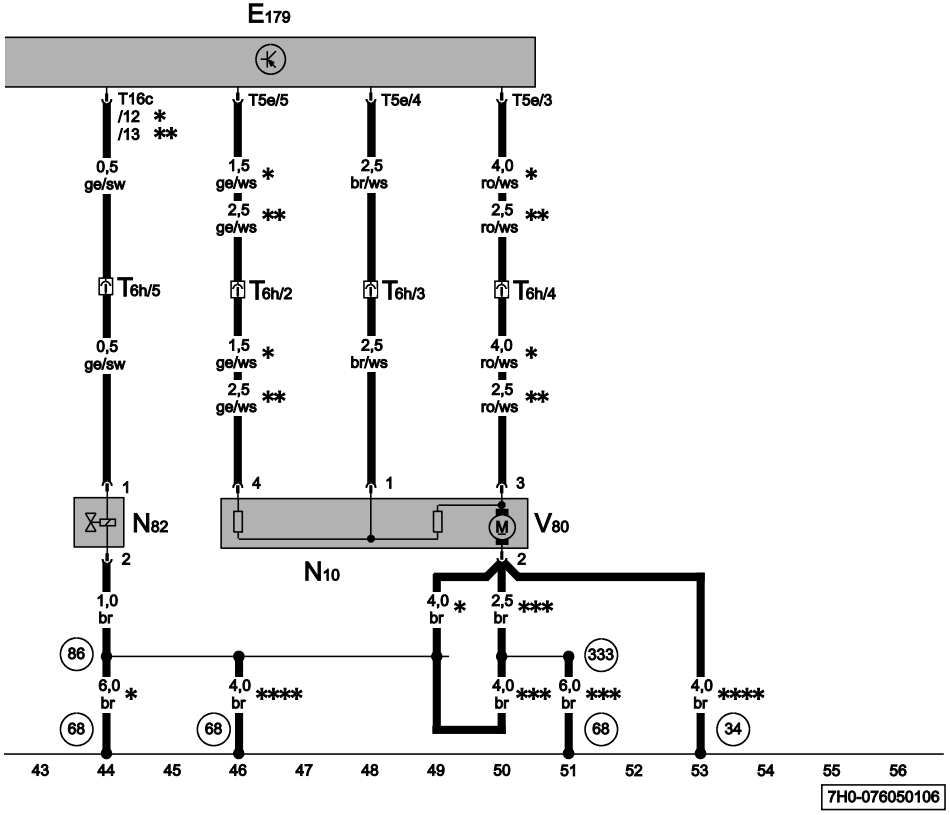
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioning system switch, evaporator temperature sensor, fresh air/recirculated air flap control motor, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
J487	Fresh air blower isolation relay
SB1	Fuse 1 on fuse holder
SB35	Fuse 35 on fuse holder
SC18	Fuse 18 on fuse holder
T6h	6-pin connector, purple, coupling station under driver seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	applicable up to March 2004
****	applicable from April 2004

Rear fresh air blower, series resistor for rear fresh air blower, rear fresh air blower switch, coolant shut-off valve

E179	Rear fresh air blower switch
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
333	Earth connection 5, in rear wiring harness
*	applicable up to December 2004
**	applicable from January 2004
***	applicable from January 2004 up to December 2005
****	applicable from January 2006



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

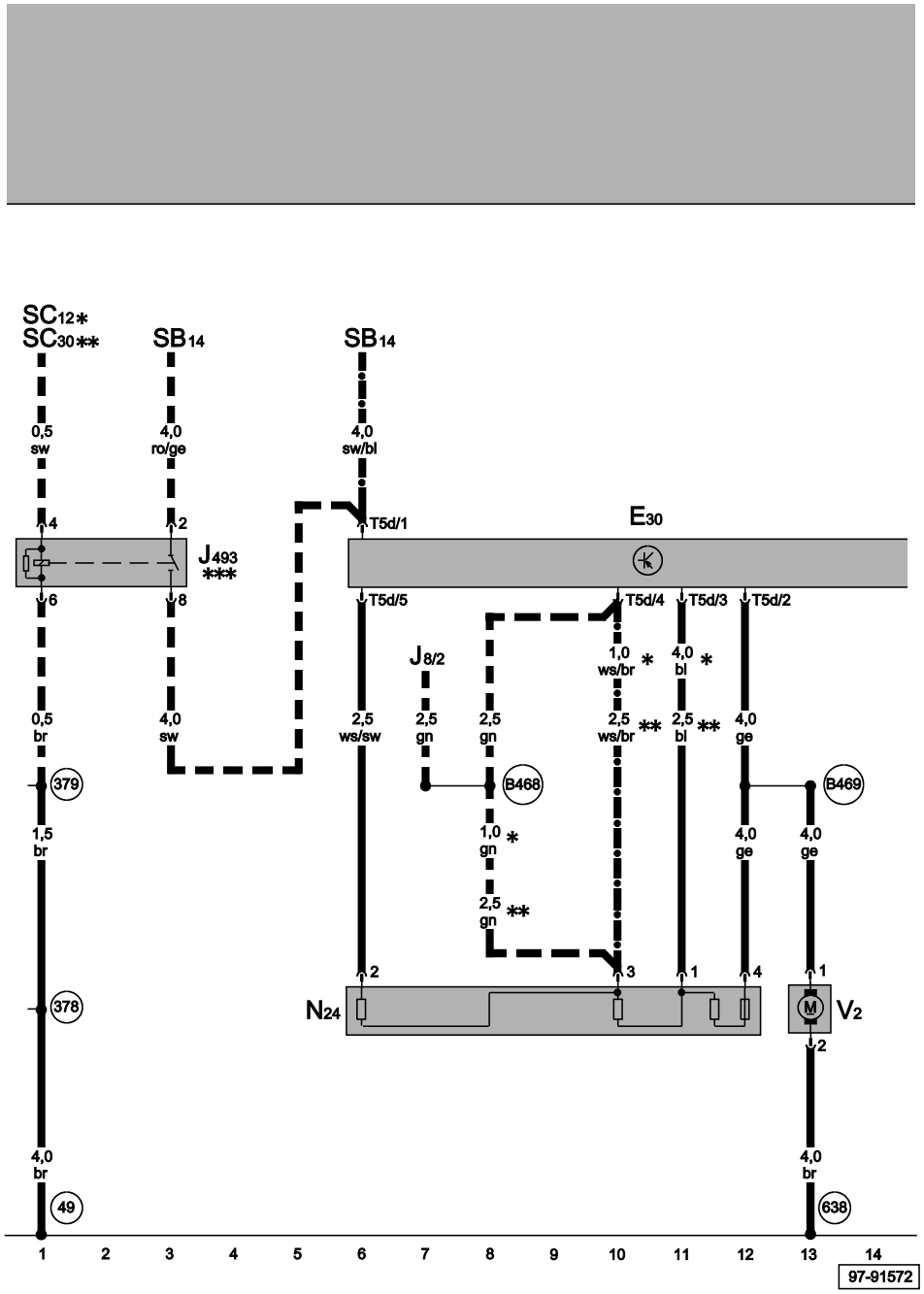
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from June 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



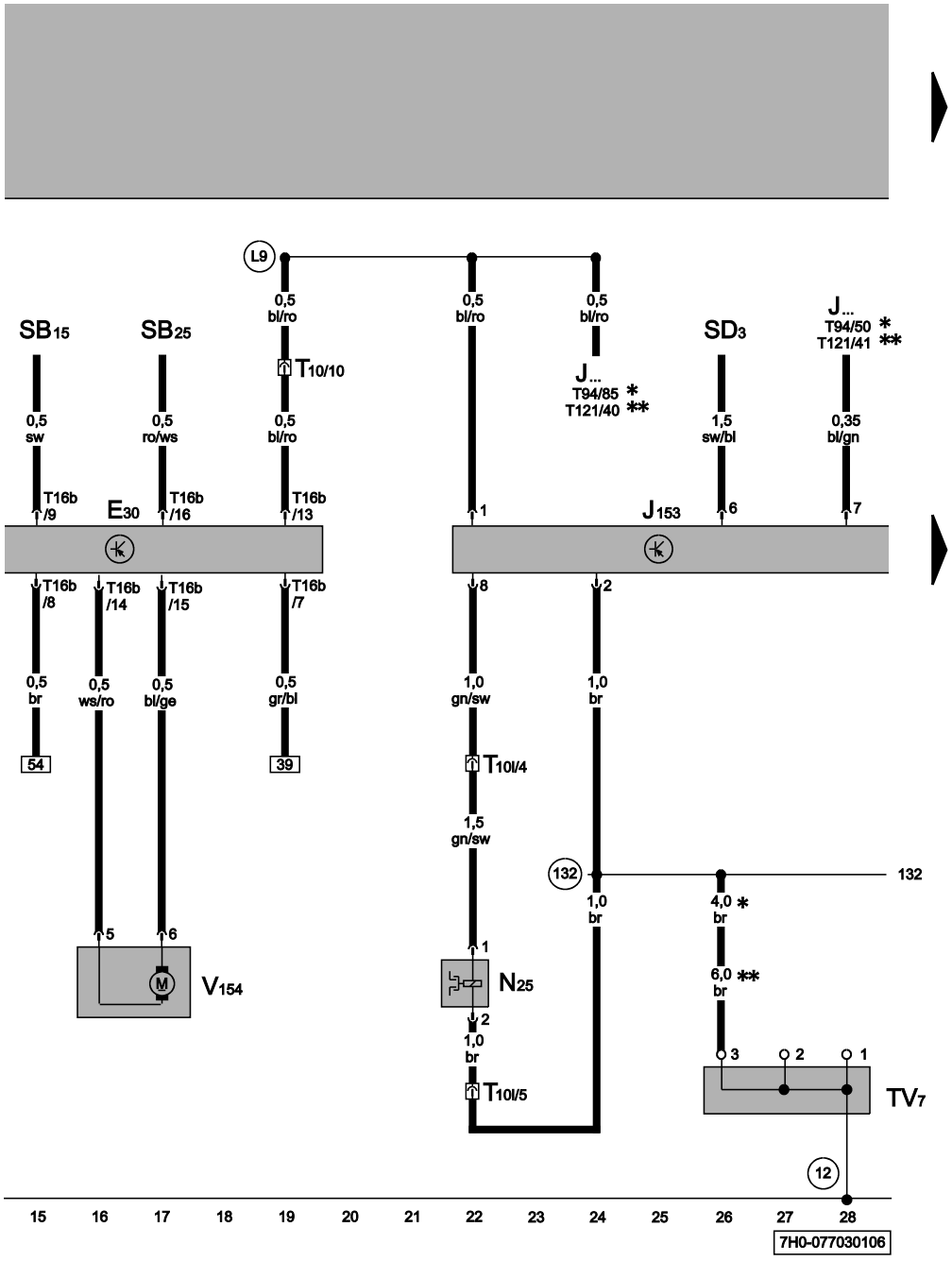
Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC12	Fuse 12 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

<fo:external-graphic src="../
for models without auxiliary coolant heater only

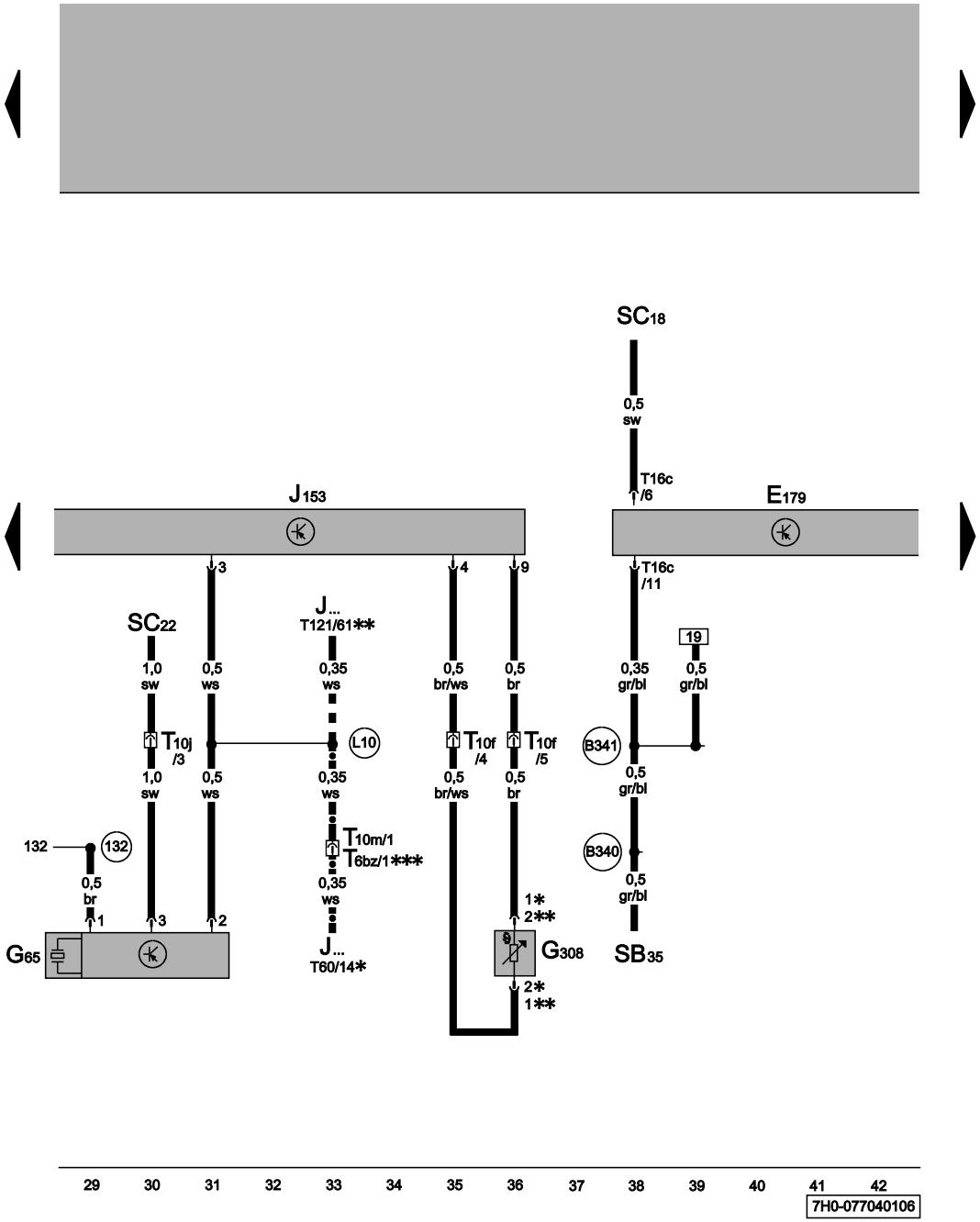
Magnetic clutch control unit, fresh air/recirculated air flap control motor, air conditioning system magnetic coupling, air conditioning system switch



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

E30	Air conditioning system switch
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
SD3	Fuse 3 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only

Magnetic clutch control unit, high pressure sender, evaporator temperature sensor, rear fresh air blower switch



ws = white

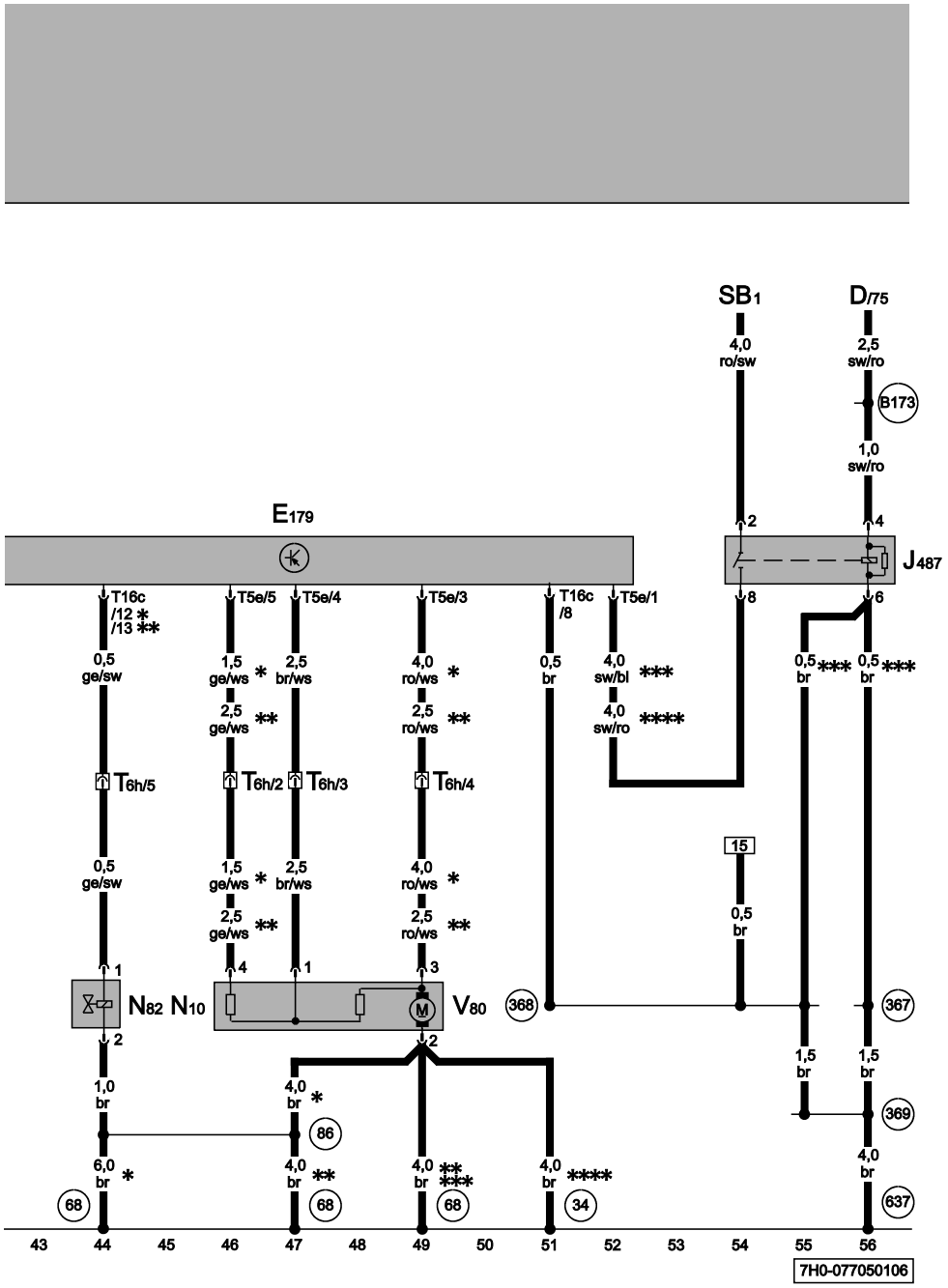
E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
J...	Engine control units
J153	Magnetic clutch control unit
SB35	Fuse 35 on fuse holder
SC18	Fuse 18 on fuse holder
SC22	Fuse 22 on fuse holder
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
132	Earth connection -3-, in engine compartment wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	applicable up to March 2004
**	applicable from April 2004
***	applicable from June 2004

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models with engine codes AXB, AXC, BRR, BRS only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

scaling="
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<fo:exter for models with engine codes AXA, BDL, BDM, BKK only
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, coolant shut-off valve

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection -2- (X), in interior wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	applicable up to December 2005
****	applicable from January 2006

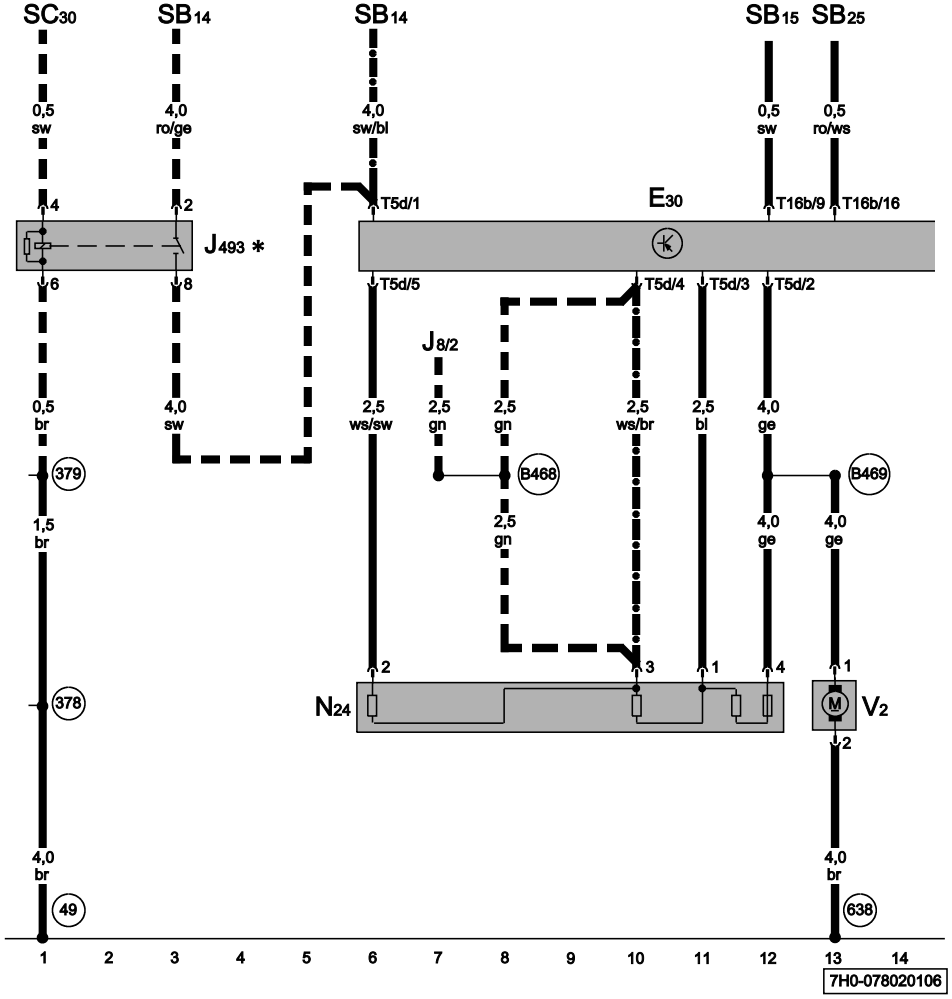
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Multivan, camper and shuttle vehicles and traveller**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

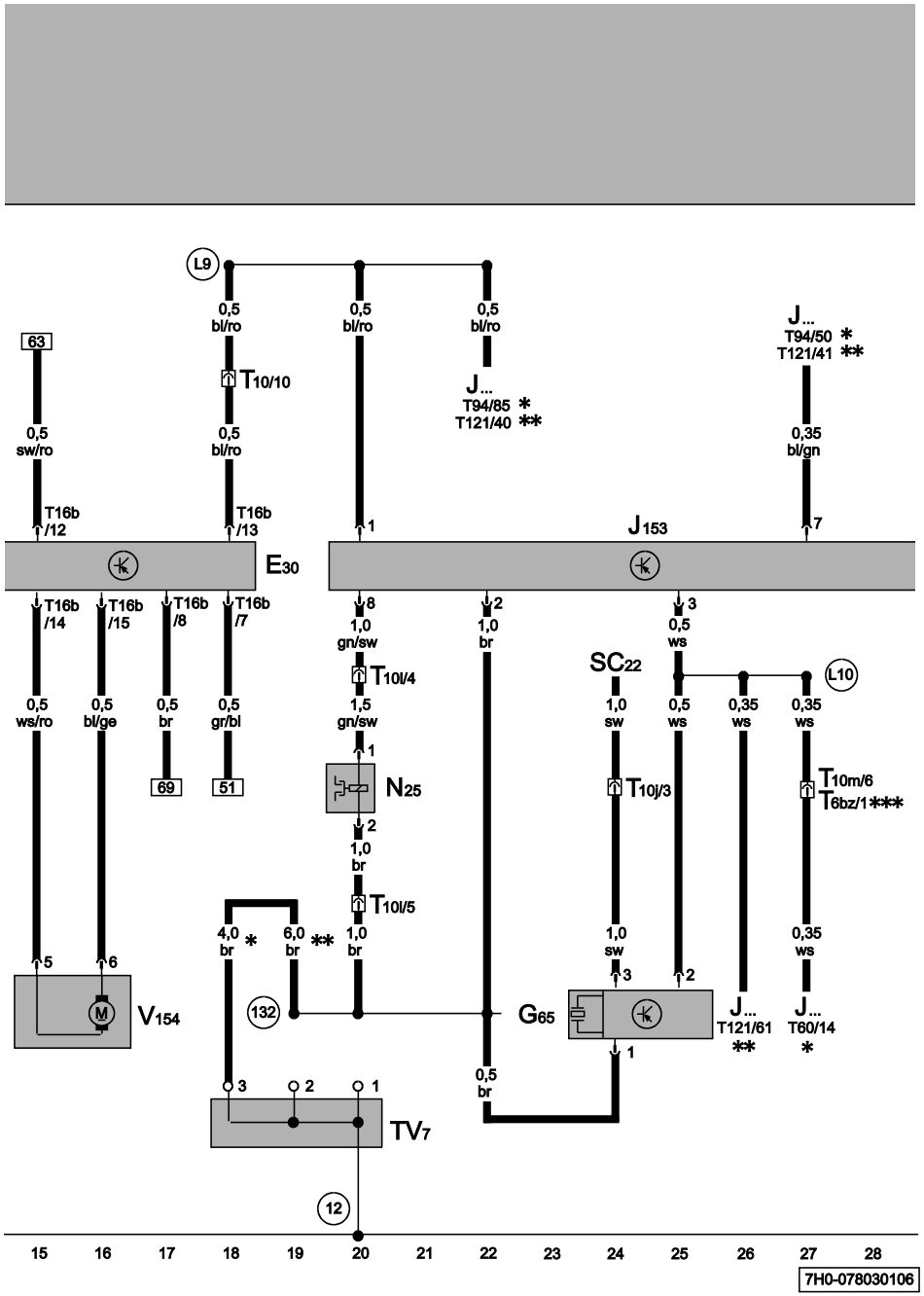


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

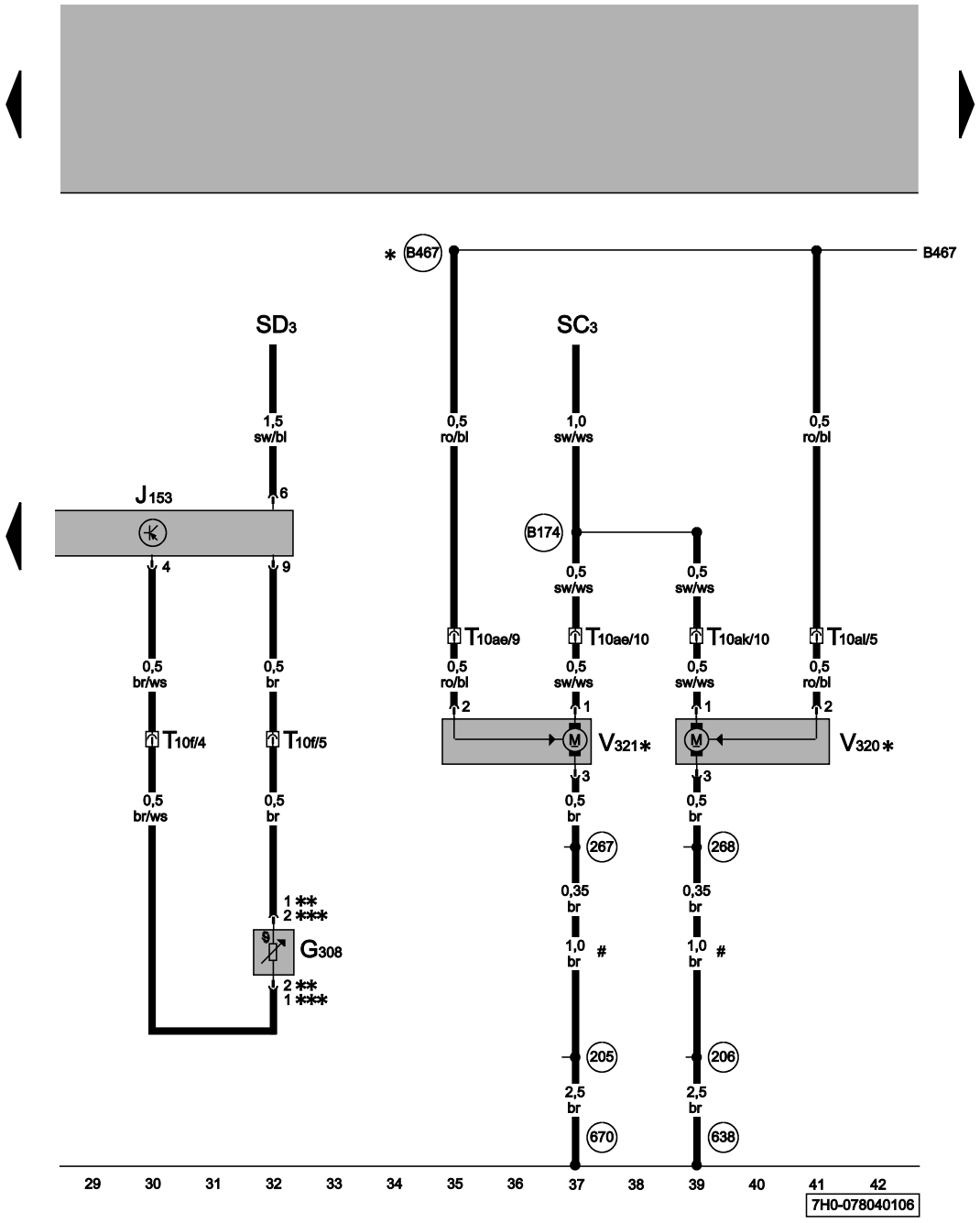
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

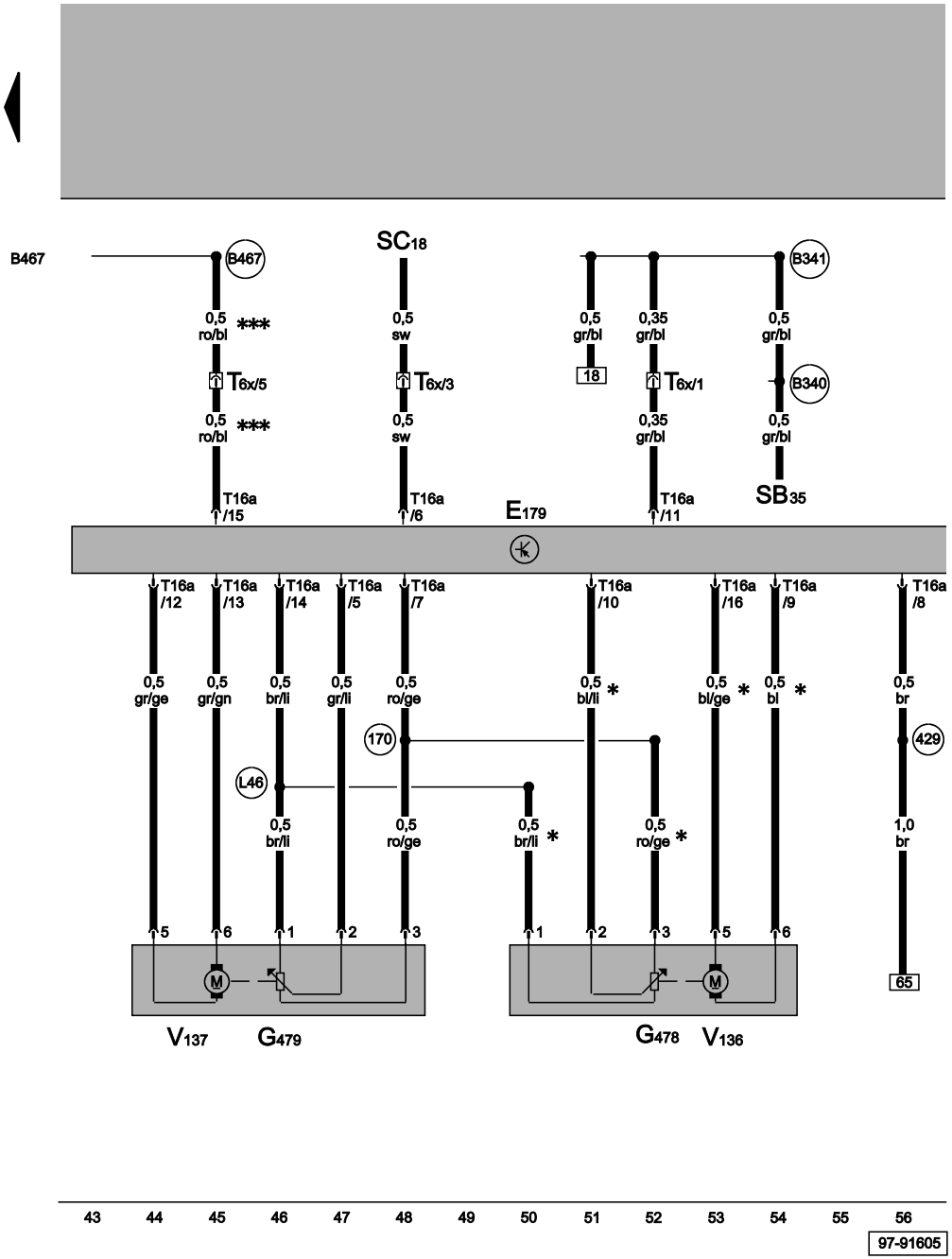
E30	Air conditioning system switch
G65	High pressure sender
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only
***	applicable from June 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Evaporator temperature sensor, magnetic clutch control unit, auxiliary blower

G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
SC3	Fuse 3 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	only models with auxiliary blower, in front doors
**	applicable up to March 2004
***	applicable from April 2004
#	applicable from June 2004

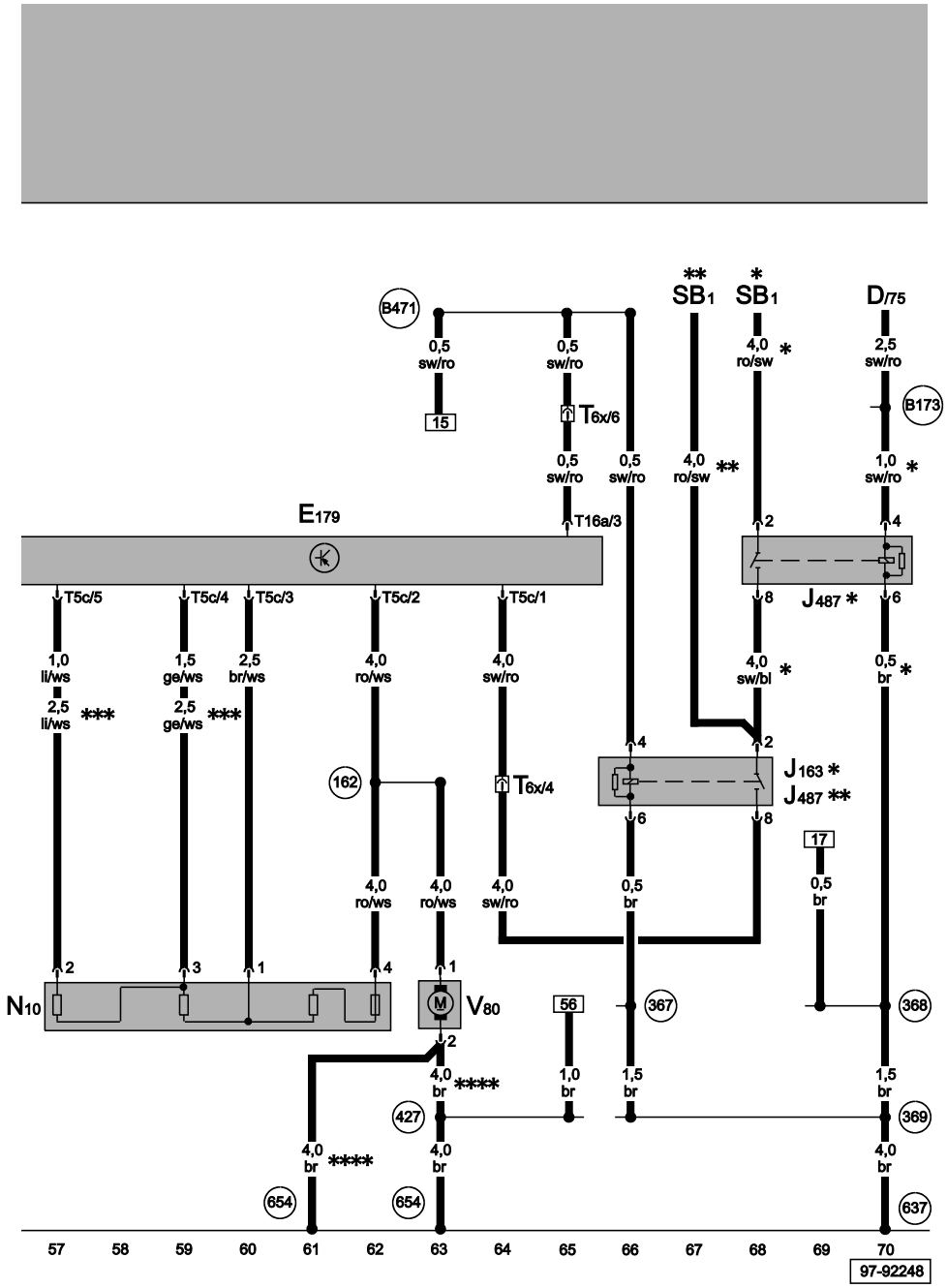


Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models without rear air distribution control motor only
***	for models with auxiliary blower only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

E179	Rear fresh air blower switch
D	Ignition/starter switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B471	Connection 7 in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	applicable from June 2004
****	depends on equipment

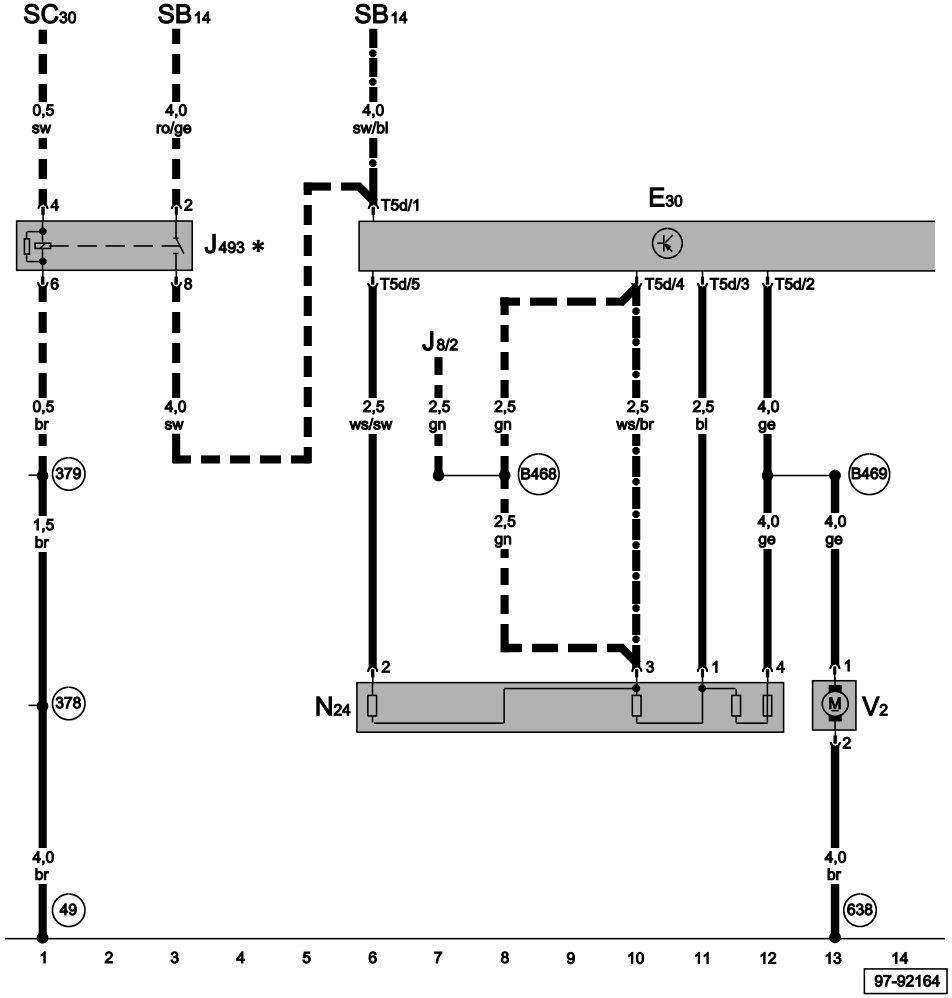
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **hybrid vehicle**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

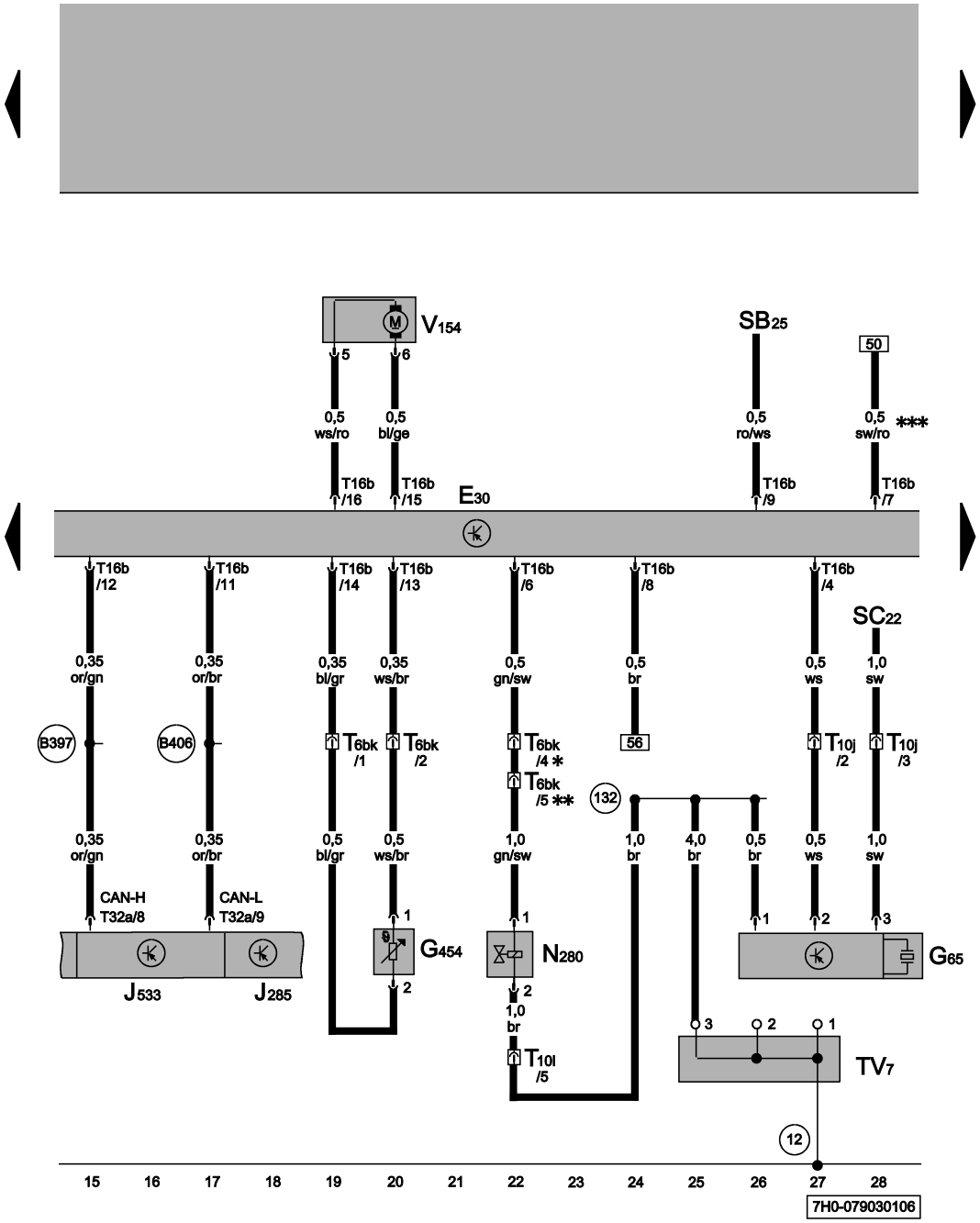
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

<fo:exter for models with auxiliary coolant heater only
nal-
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<fo:exter for models without auxiliary coolant heater only
nal-

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

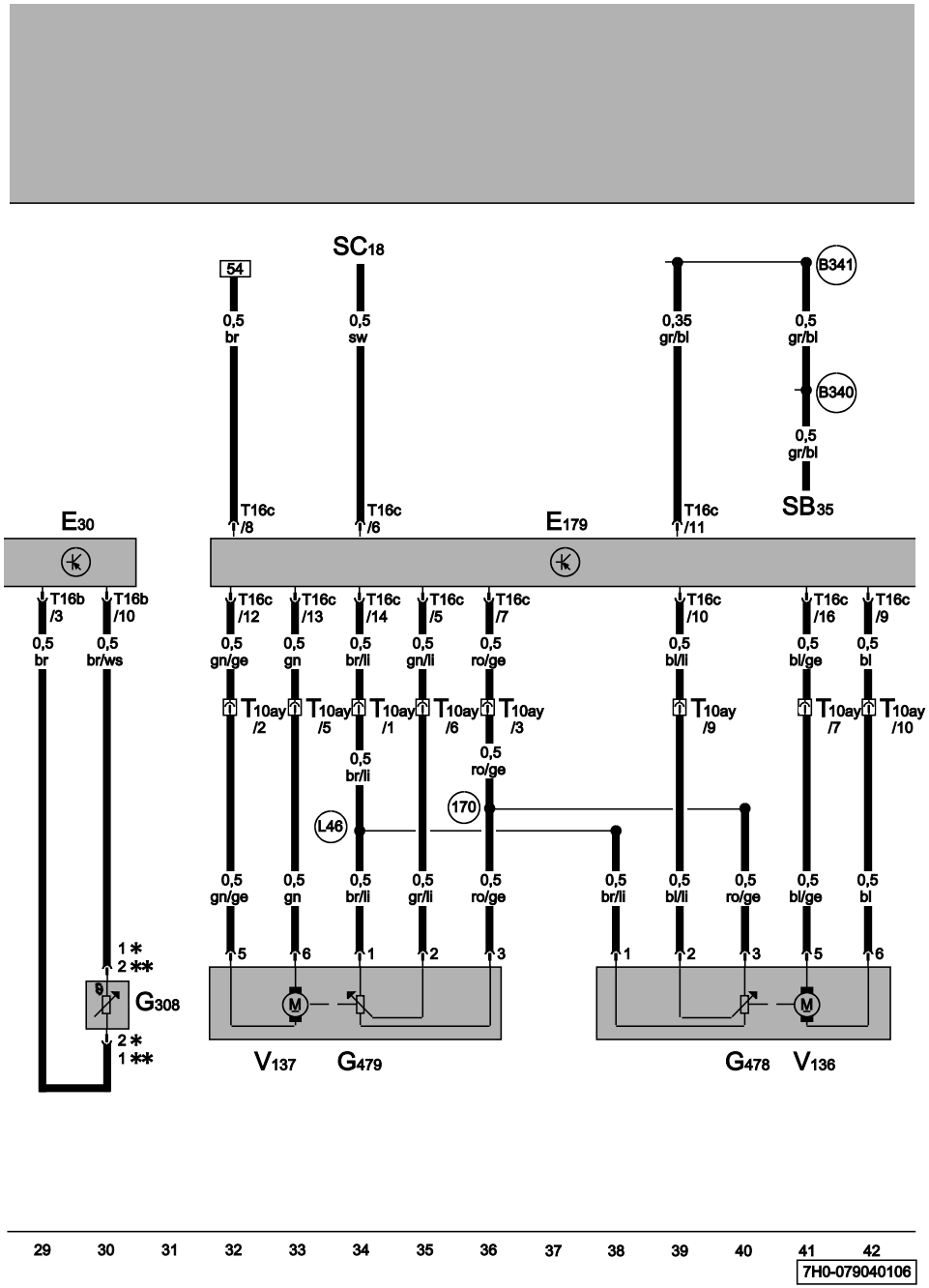
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioning system compressor regulating valve, air conditioning system switch, data bus diagnostic interface, fresh air/recirculated air flap control motor

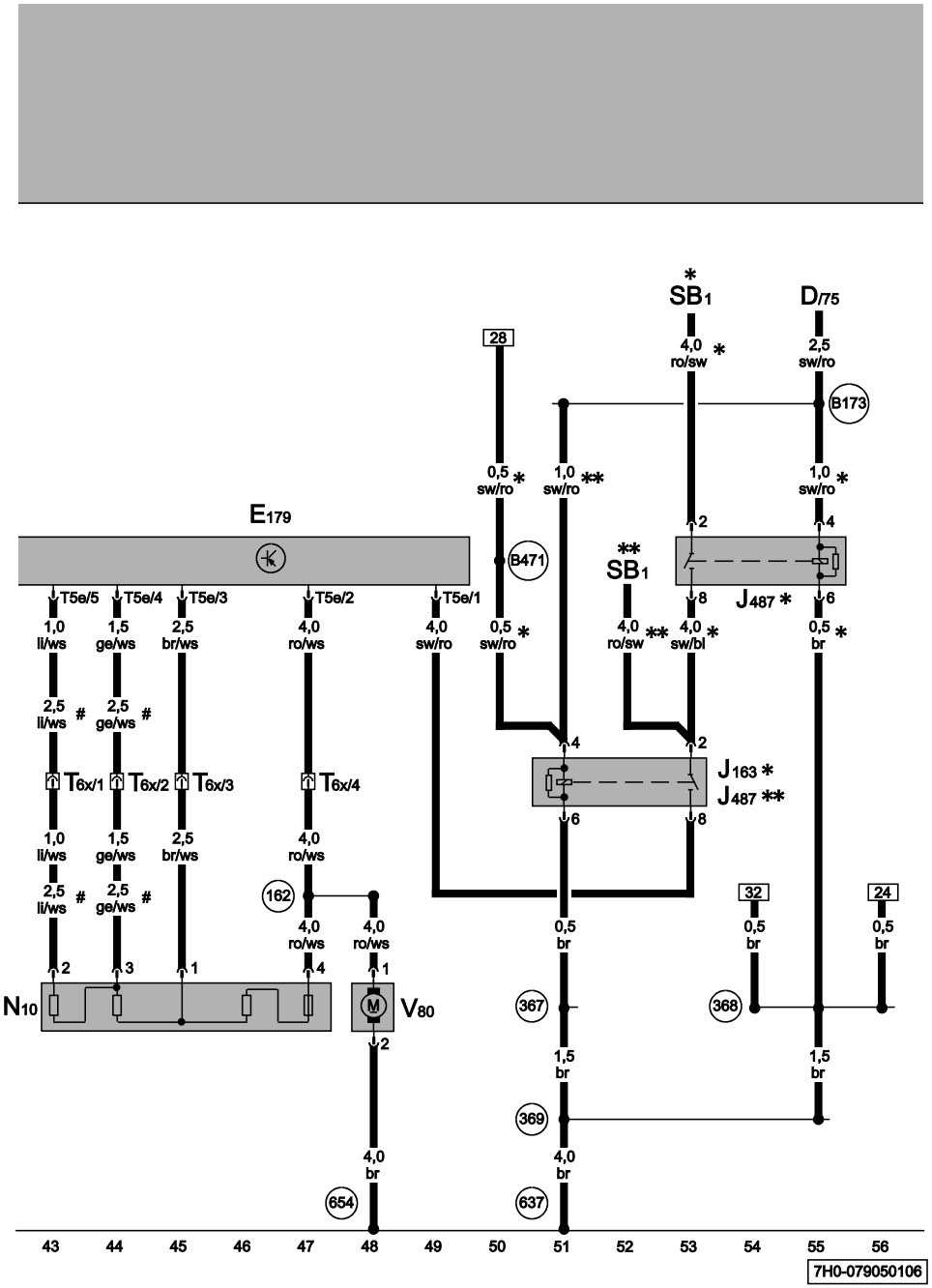
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit with display in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder
SC22	Fuse 22 on fuse holder
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green, on dash panel insert
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	applicable up to December 2005



Rear fresh air blower switch, evaporator temperature sensor, rear air distribution control motor, potentiometer for rear temperature flap motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder
SC18	Fuse 18 on fuse holder
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	applicable up to March 2004
**	applicable from April 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, rear fresh air blower relay

D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection -2- (X), in interior wiring harness
B471	Connection 7, in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
#	applicable from April 2004

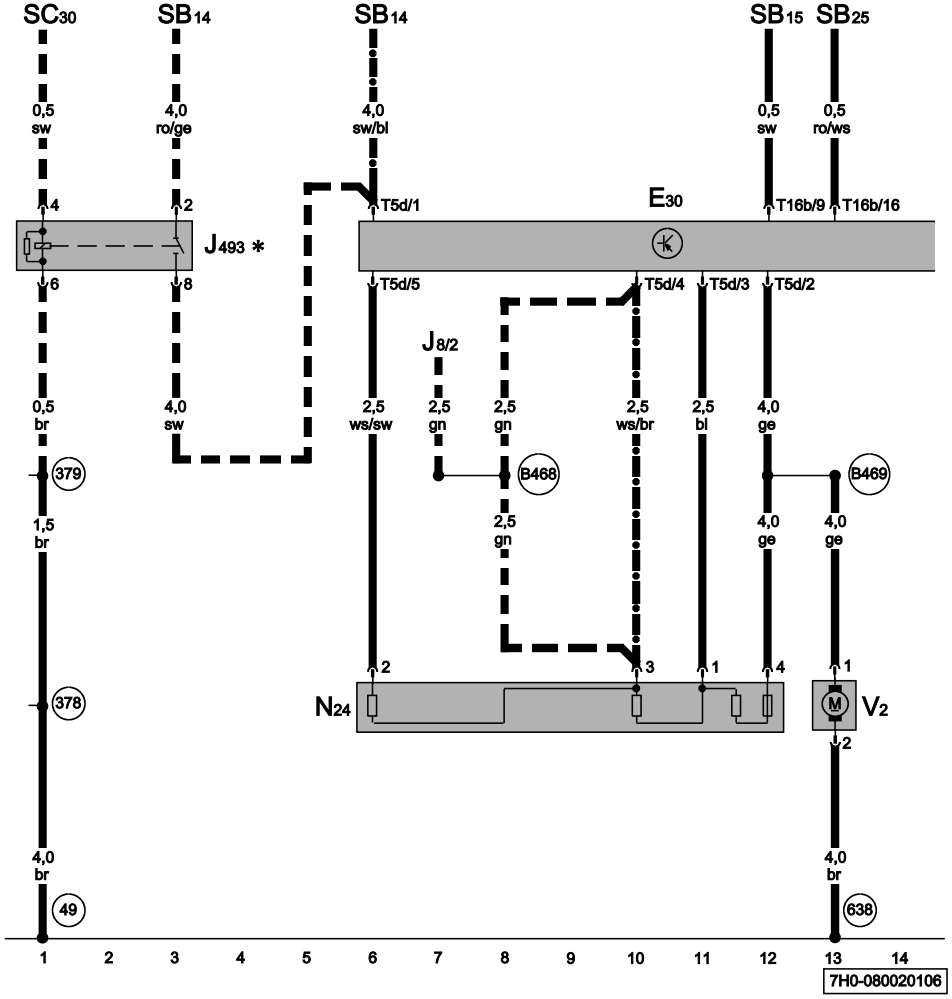
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **hybrid vehicle**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

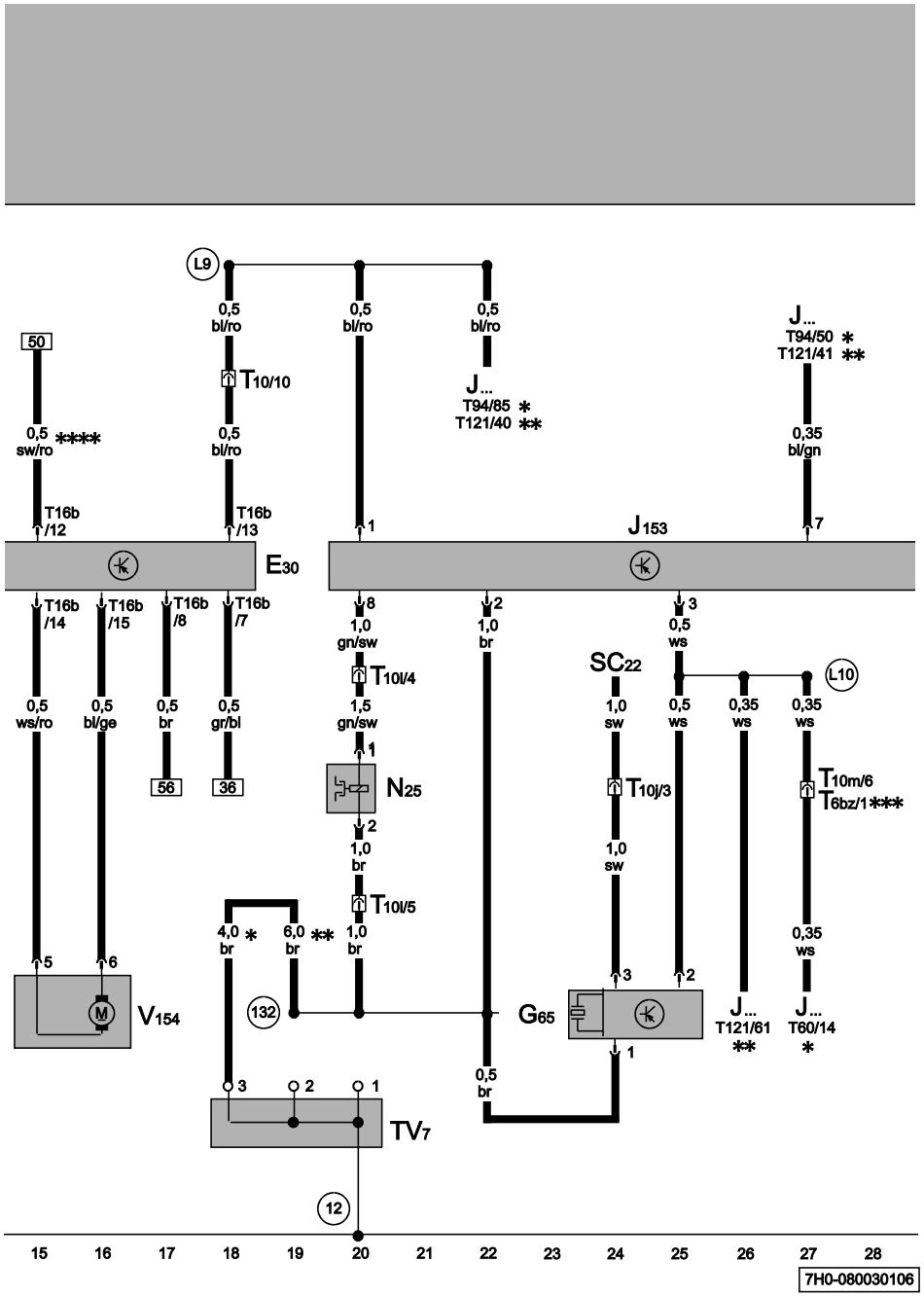


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

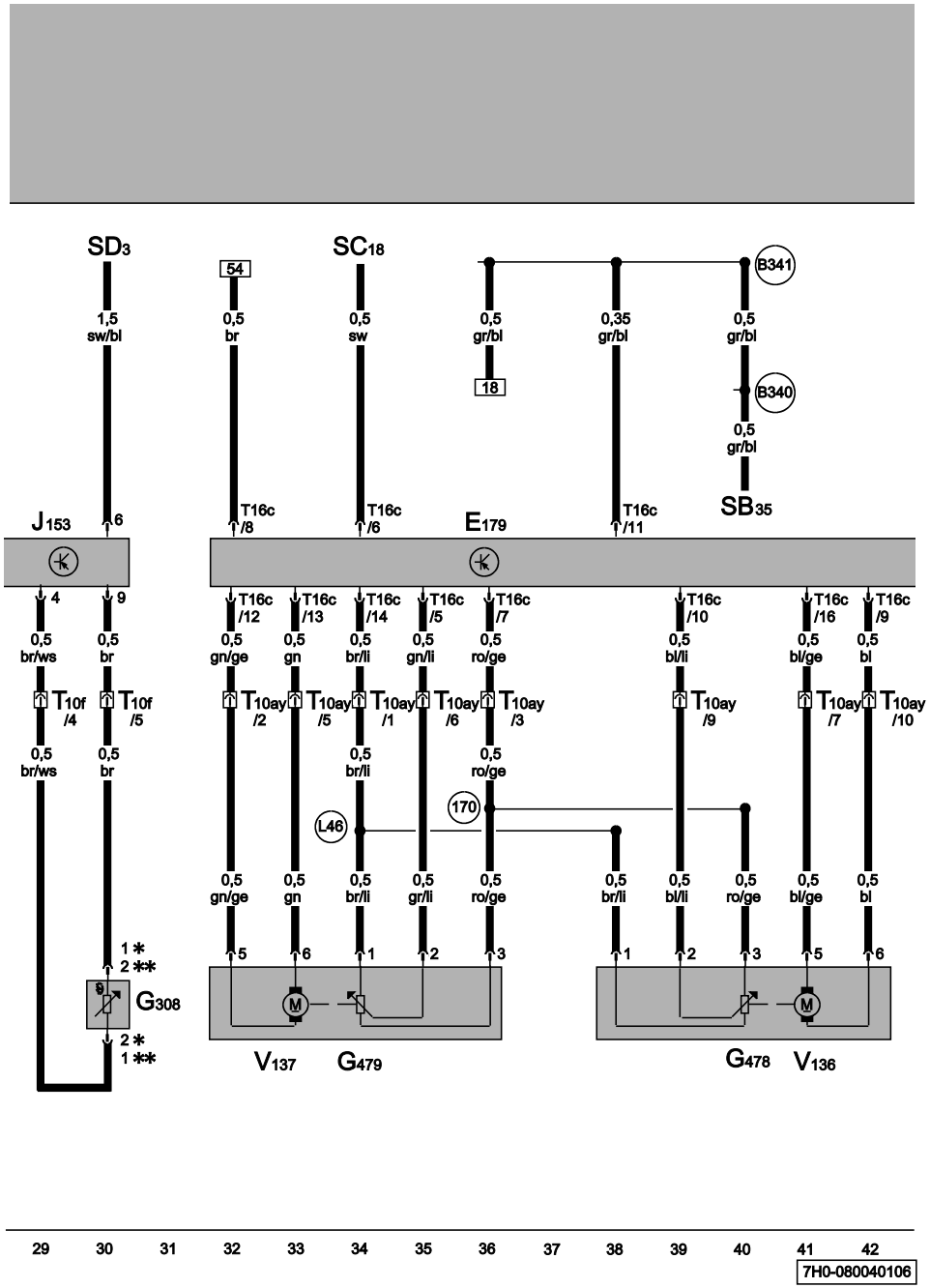
<fo:external-graphic src="../
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air/recirculated air flap control motor, air conditioning system magnetic coupling, high pressure sender, air conditioning system switch

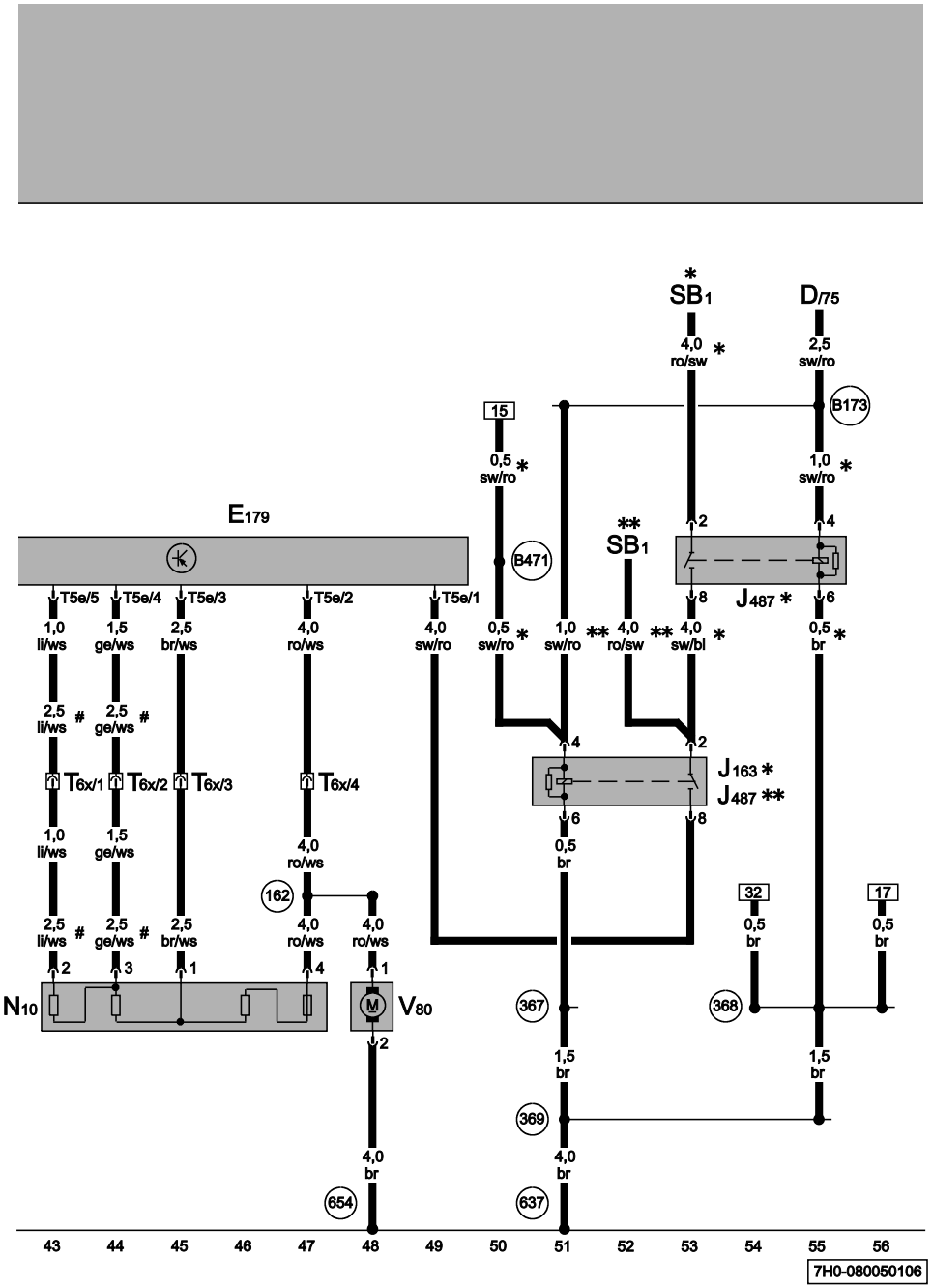
E30	Air conditioning system switch
G65	High pressure sender
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only
***	applicable from June 2004
****	applicable up to December 2005



Magnetic clutch control unit, evaporator temperature sensor, rear fresh air blower switch, rear air distribution control motor, potentiometer for rear temperature flap motor

E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
SB35	Fuse 35 on fuse holder
SC18	Fuse 18 on fuse holder
SD3	Fuse 3 on fuse holder
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	applicable up to March 2004
**	applicable from April 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, rear fresh air blower relay

D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection -2- (X), in interior wiring harness
B471	Connection 7, in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
#	applicable from April 2004

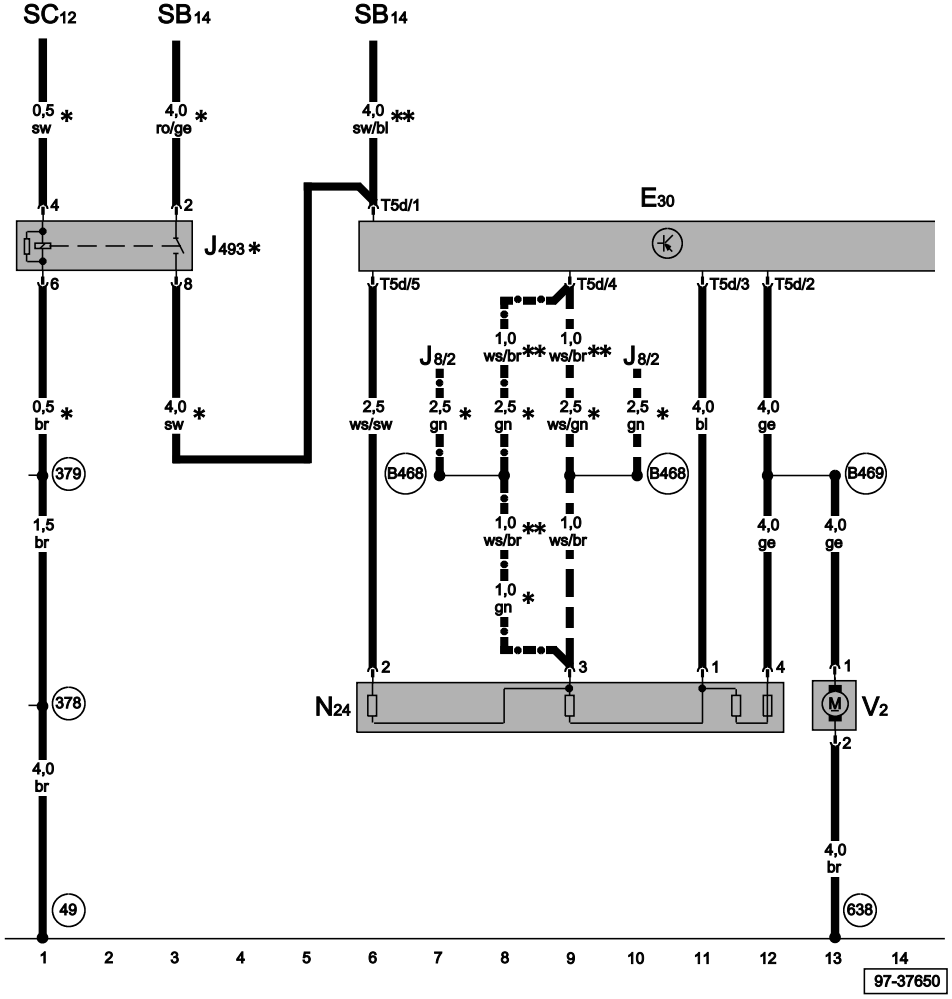
Air conditioning system - front, without 2nd heat exchanger

⇒ **Engine codes AXD and AXE**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC12	Fuse 12 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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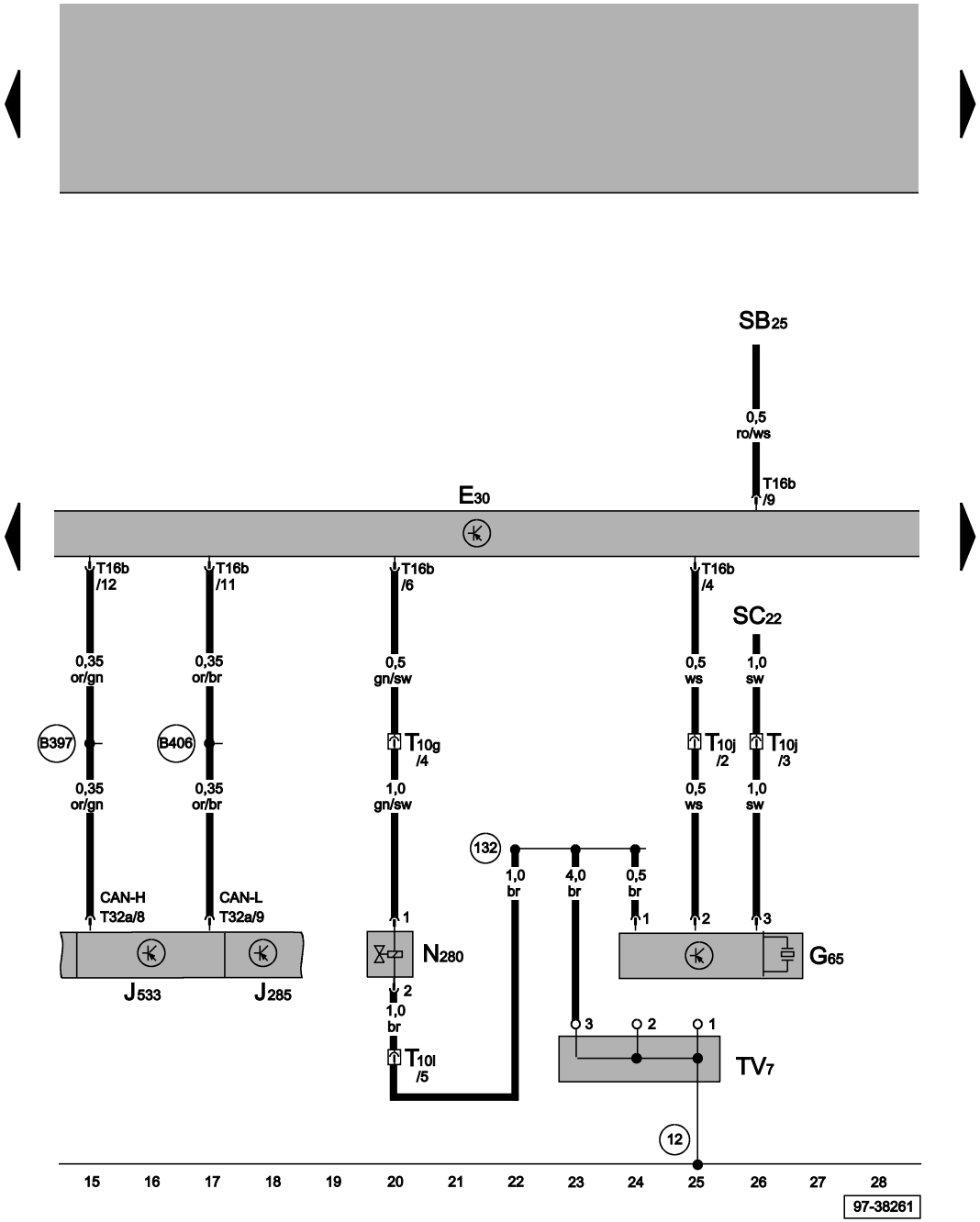
applicable from June 2003

<fo:external-graphic

applicable up to May 2003

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

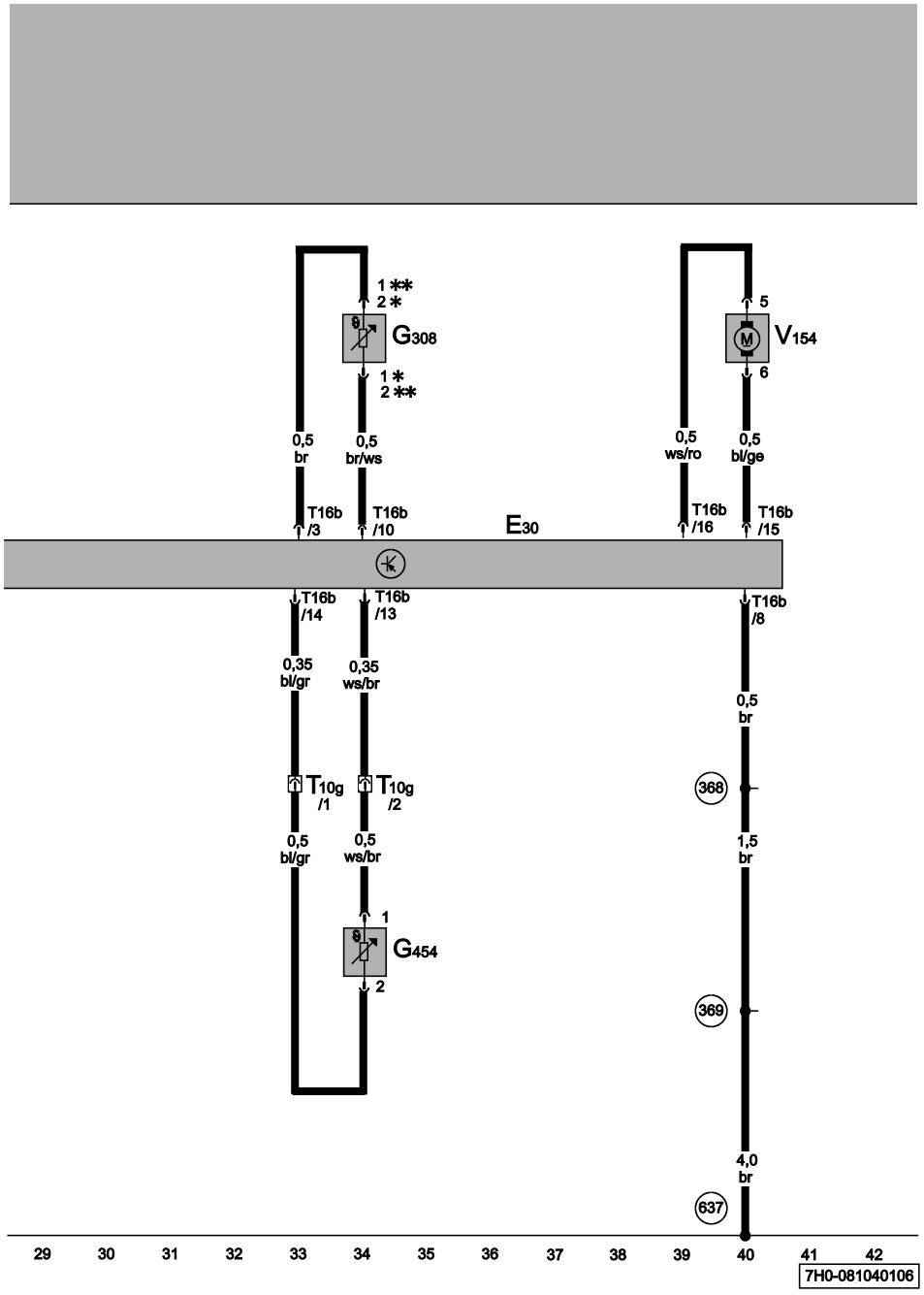
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, air conditioning system compressor regulating valve, data bus diagnostic interface, air conditioning system switch

E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit with display in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder
SC22	Fuse 22 on fuse holder
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green, on dash panel insert
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection -3-, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



Evaporator temperature sensor, refrigerant temperature sender, fresh air/recirculated air flap control motor, air conditioning system switch

E30	Air conditioning system switch
G308	Evaporator temperature sensor
G454	Refrigerant temperature sender
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to March 2004
**	applicable from April 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

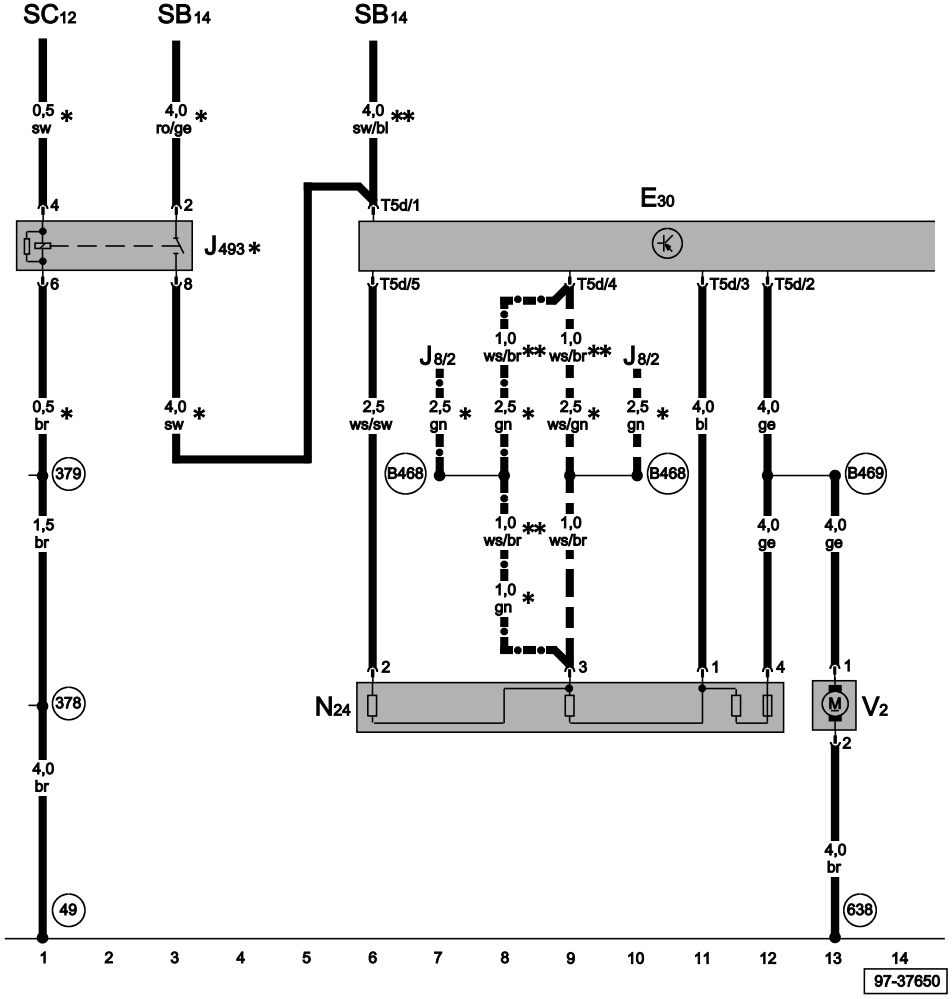
Air conditioning system - front, without 2nd heat exchanger

⇒ **engine codes AXA, AXB, AXC, BDL, BDM and BKK**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC12	Fuse 12 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only

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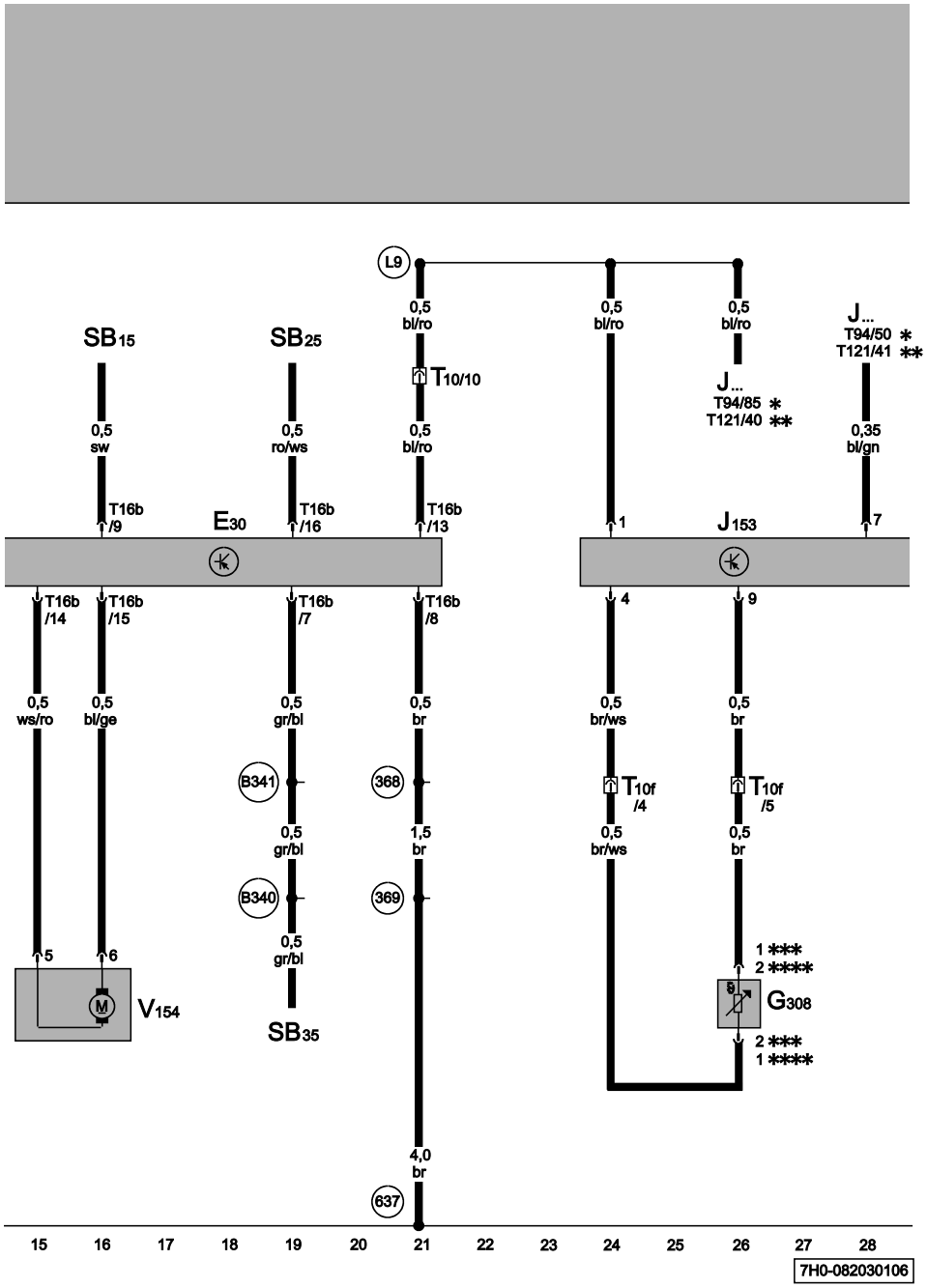
applicable from June 2003

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applicable up to May 2003

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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

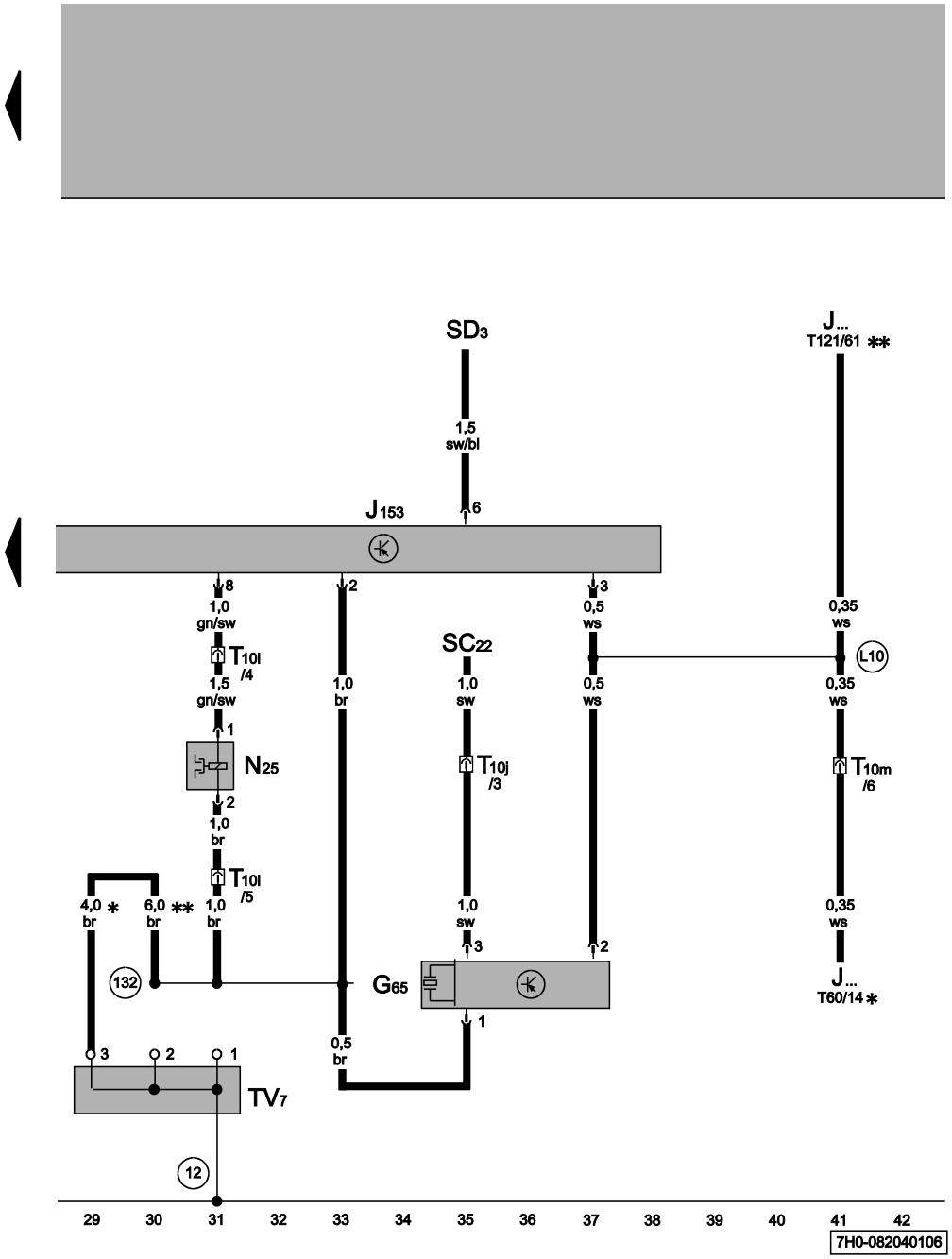
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fresh air/recirculated air flap control motor, air conditioning system switch, evaporator temperature sensor, magnetic clutch control unit

E30	Air conditioning system switch
G308	Evaporator temperature sensor
J...	Engine control units
J153	Magnetic clutch control unit
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
SB35	Fuse 35 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC only
**	for models with engine codes AXA, BDL, BDM, BKK only
***	applicable up to March 2004
****	applicable from April 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, air conditioning system magnetic coupling, magnetic clutch control unit

G65	High pressure sender
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder
SD3	Fuse 3 on fuse holder
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC only
**	for models with engine codes AXA, BDL, BDM, BKK only

Climatronic

from June 2003

Notes:

For information concerning

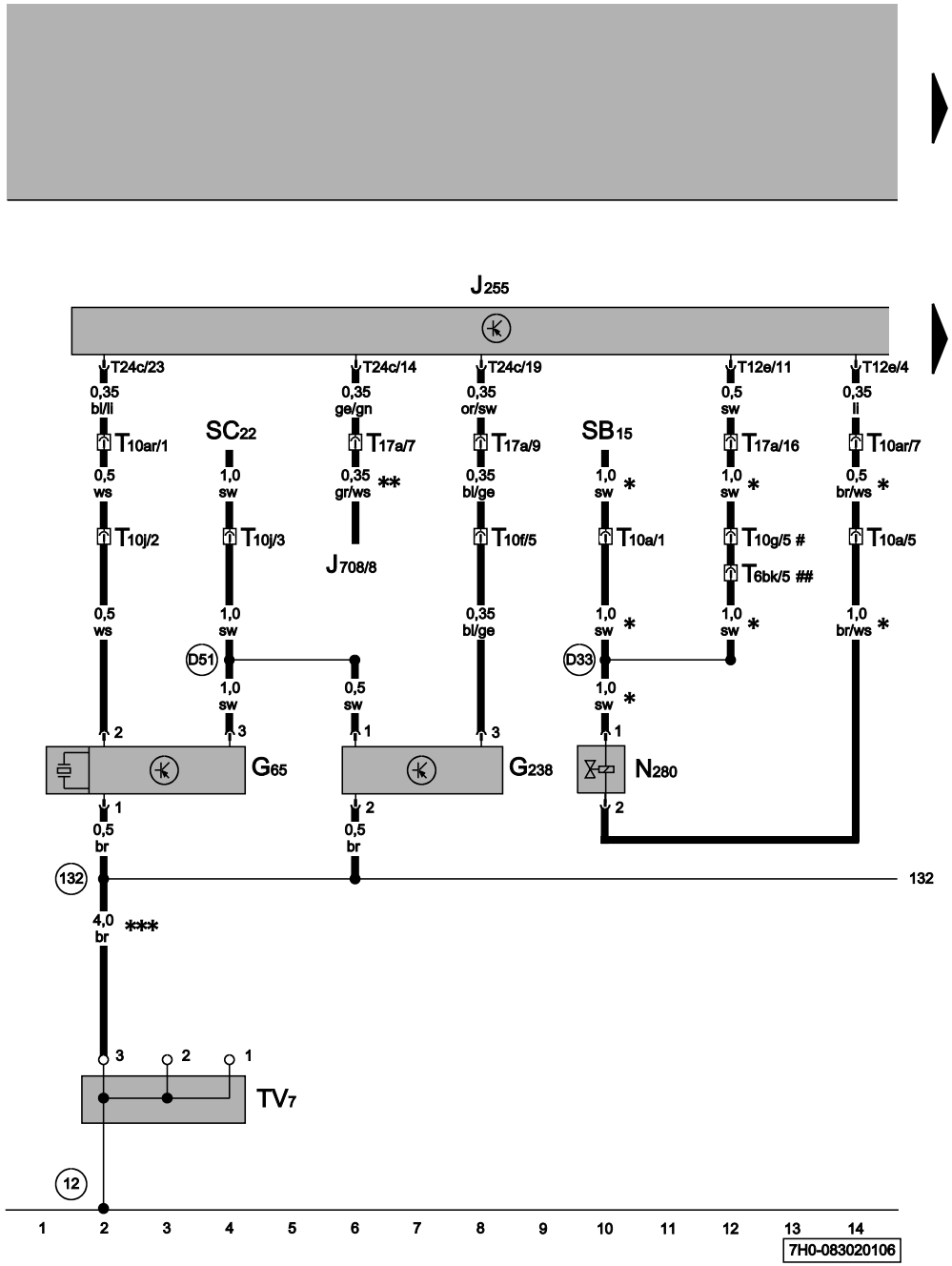
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

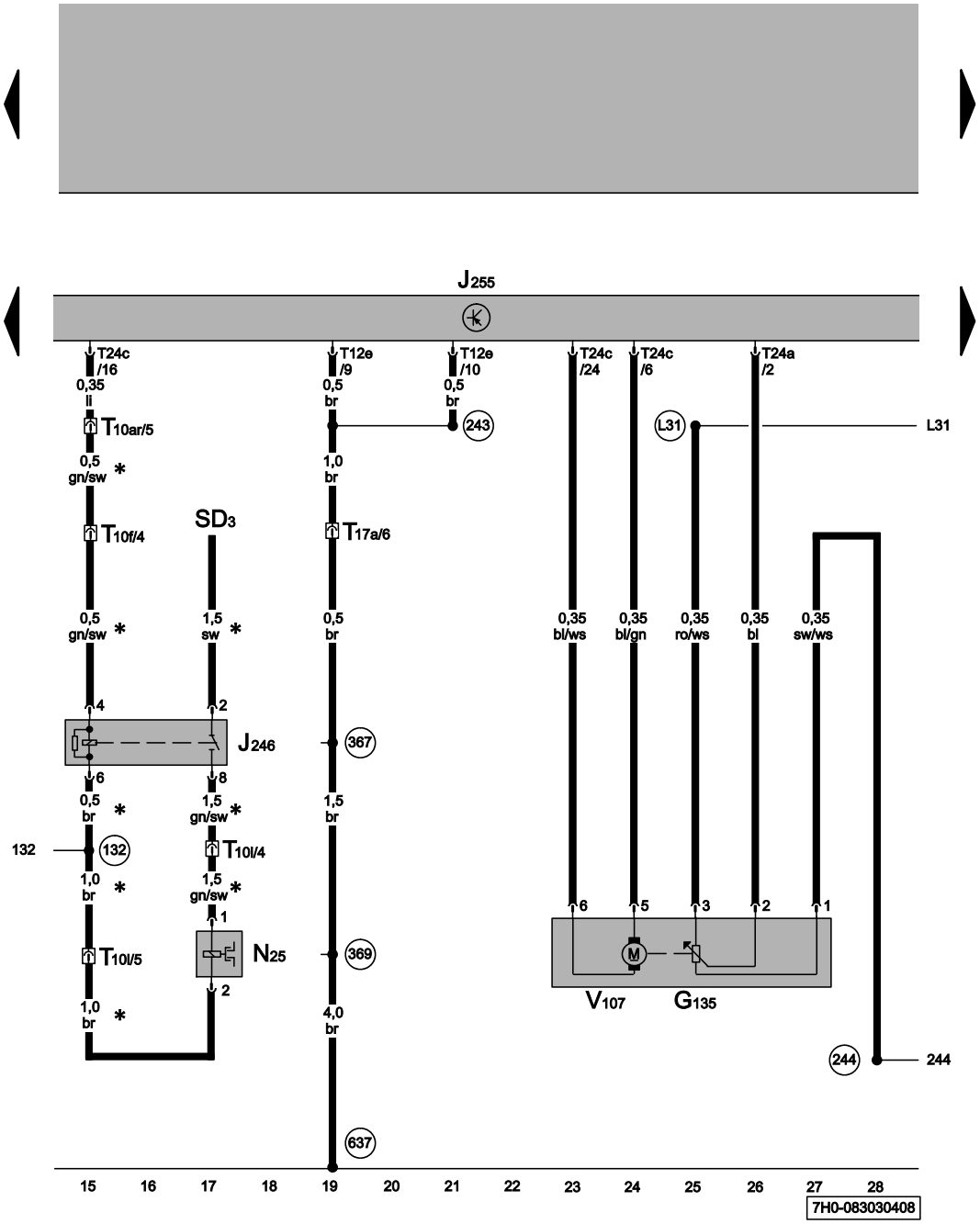
⇒ guided fault finding



ws = white
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rs = pink

Climatronic control unit, high-pressure sender, air quality sensor, compressor regulating valve, air conditioning system

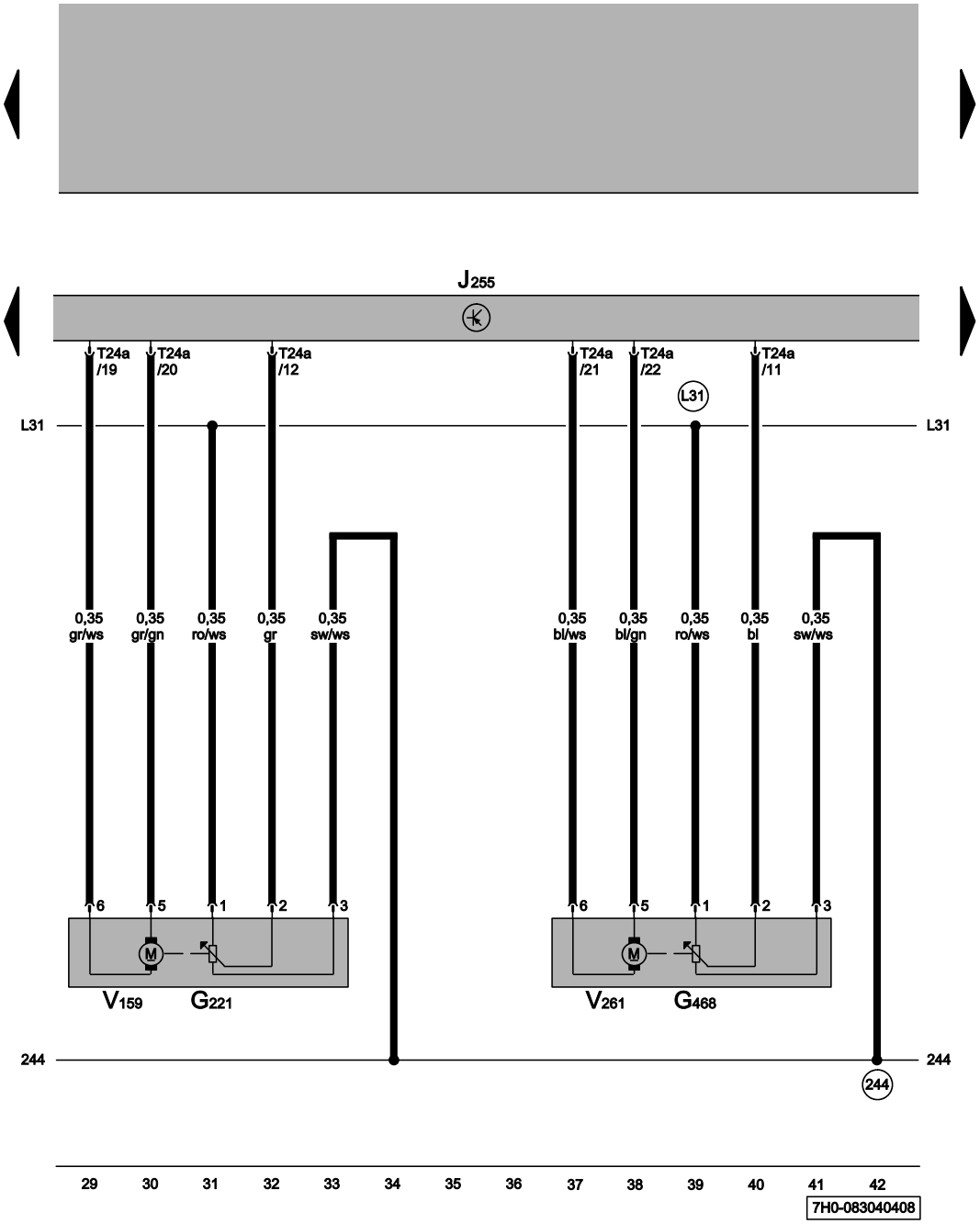
G65	High pressure sender
G238	Air quality sensor
J255	Climatronic control unit
J708	Residual heat relay
N280	Air conditioning system compressor regulating valve
SB15	Fuse 15 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
D33	Positive connection 2 (15), in engine wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	function heater support when driving ⇒ auxiliary coolant heating Current Flow Diagram.
***	cross-section depends on equipment
#	applicable up to January 2004
##	applicable from February 2004



ws = white
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Climatronic control unit, cut-out relay for air conditioning system magnetic coupling, magnetic coupling, defroster flap control motor potentiometer

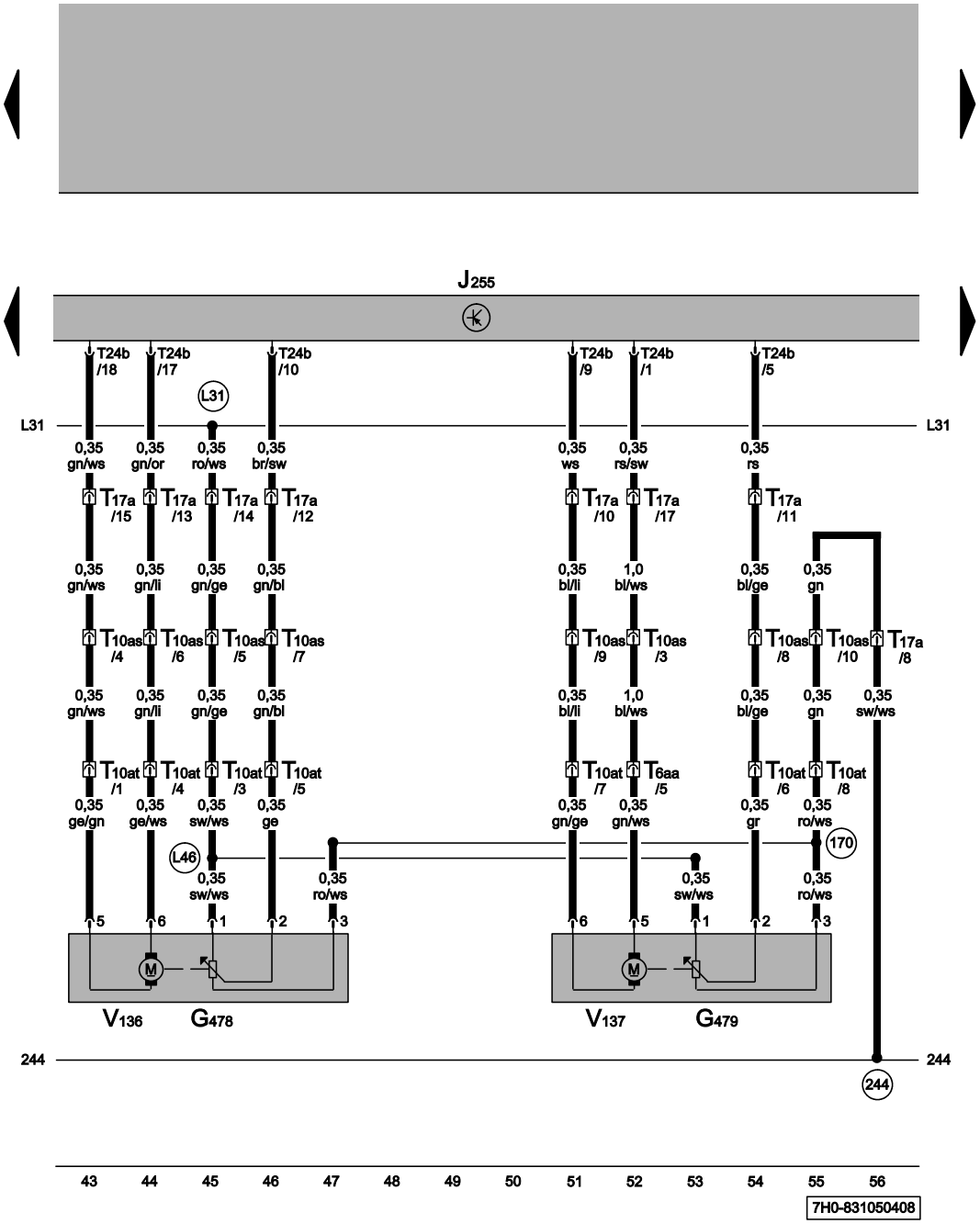
G135	Defroster flap control motor potentiometer
J246	Cut-out relay for air conditioning system magnetic coupling
J255	Climatronic control unit
N25	Air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24a	24-pin connector, black
T24c	24-pin connector, brown
V107	Defroster flap control motor
132	Earth connection 3, in engine compartment wiring harness
243	Earth connection 1, in Climatronic wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
L31	Connection (5V), in air conditioning system wiring harness
*	not for models with engine codes AXD, AXE, BLJ, BNZ and BPC only



Climatronic control unit, potentiometer for right temperature flap control motor, potentiometer for footwell vent control motor

G221	Potentiometer for right temperature flap control motor
G468	Potentiometer for footwell vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
V159	Right temperature flap control motor
V261	Footwell flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

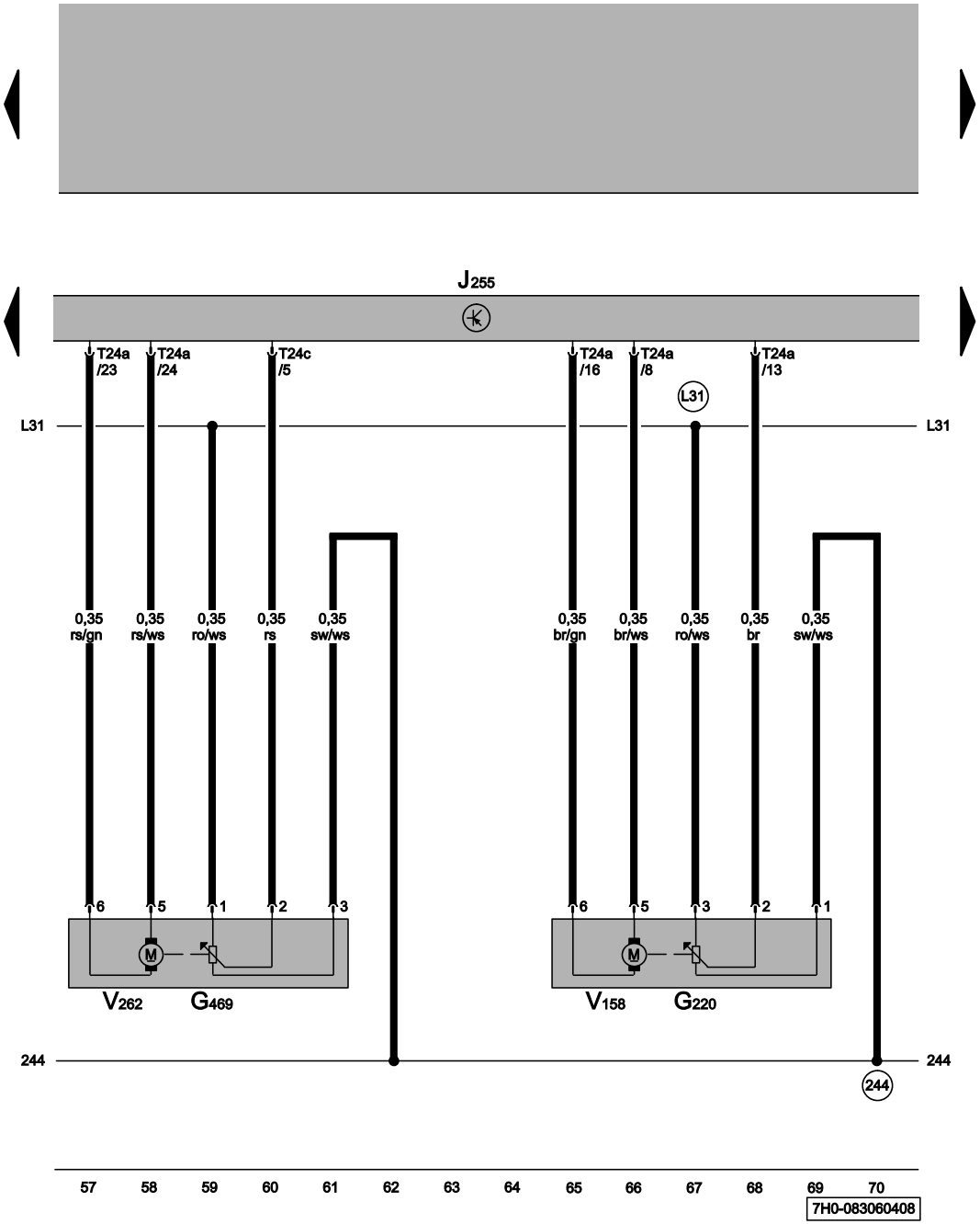
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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Climatronic control unit, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

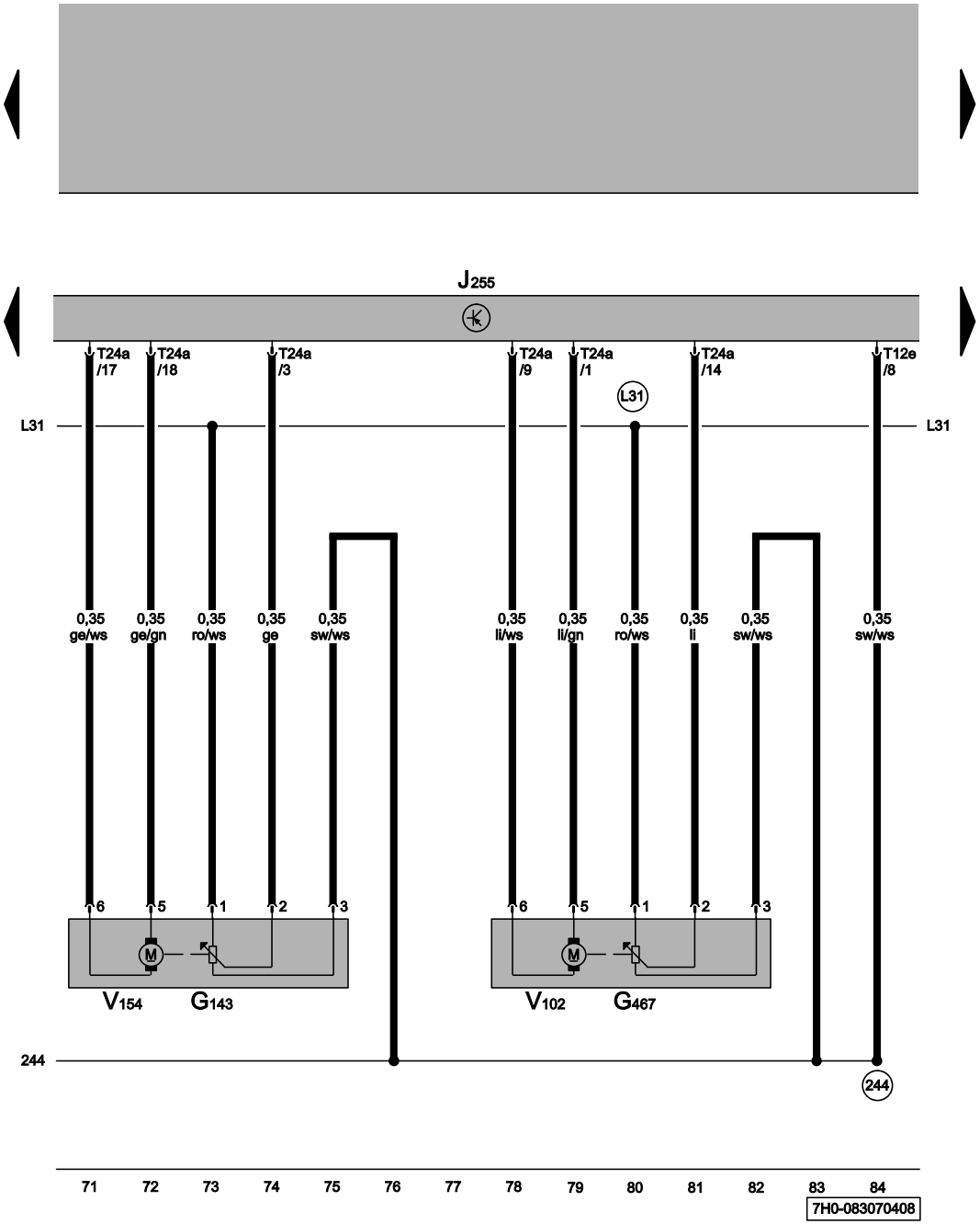
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J255	Climatronic control unit
T6aa	6-pin connector, purple, near second evaporator rear right
T10as	10-pin connector, yellow, coupling station under front passenger seat
T10at	10-pin connector, blue, near second evaporator rear right
T17a	17-pin connector, black, behind the glove box
T24b	24-pin connector, red
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness



Climatronic control unit, potentiometer for left temperature flap control motor, potentiometer for side vent control motor

G220	Potentiometer for left temperature flap control motor
G469	Potentiometer for side vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
T24c	24-pin connector, brown
V158	Left temperature flap control motor
V262	Side vent control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

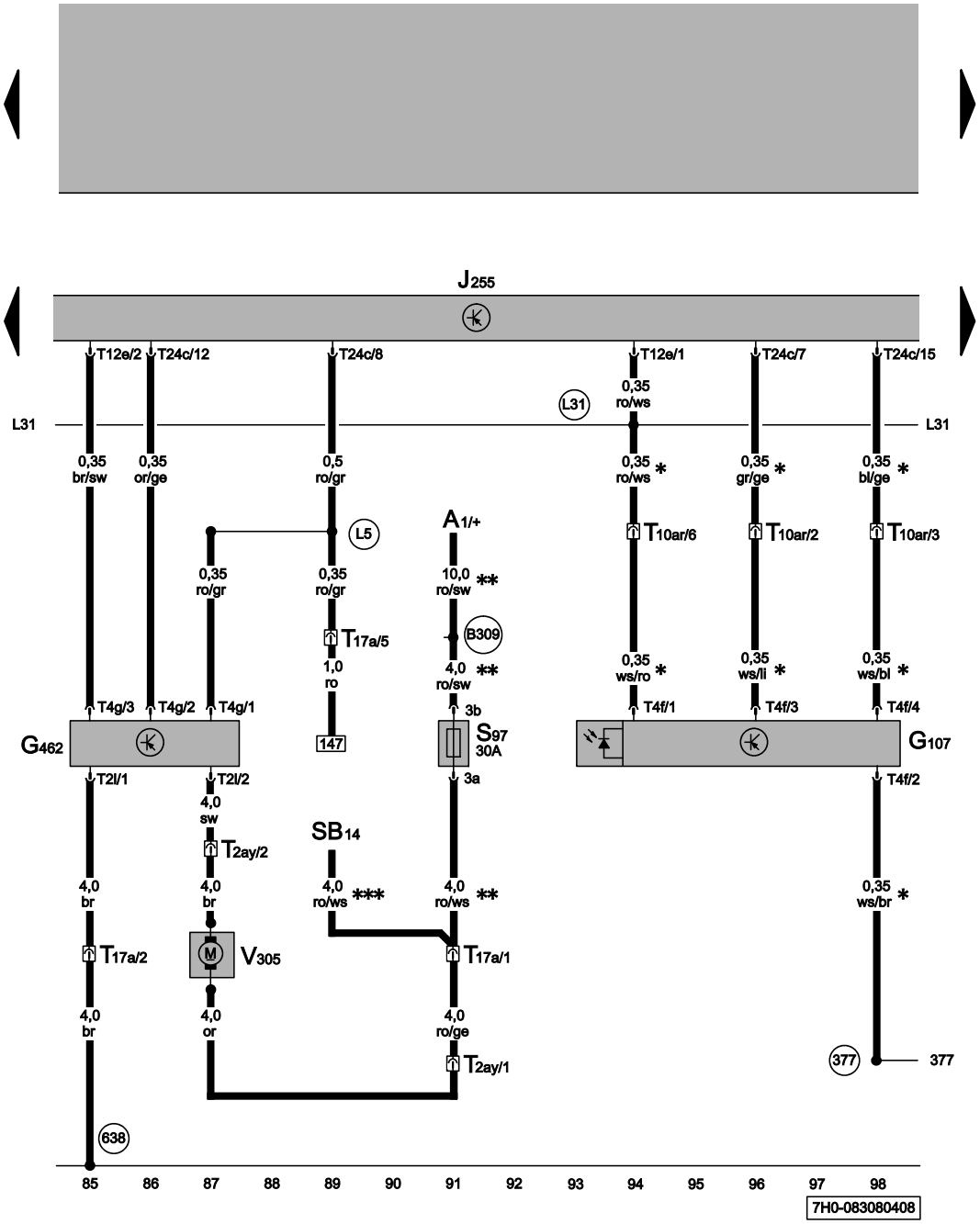
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for air recirculation flap control motor, potentiometer for centre vent control motor

G143	Air recirculation flap control motor potentiometer
G467	Potentiometer for centre vent control motor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
V102	Central vents control motor
V154	Fresh air/recirculated air flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

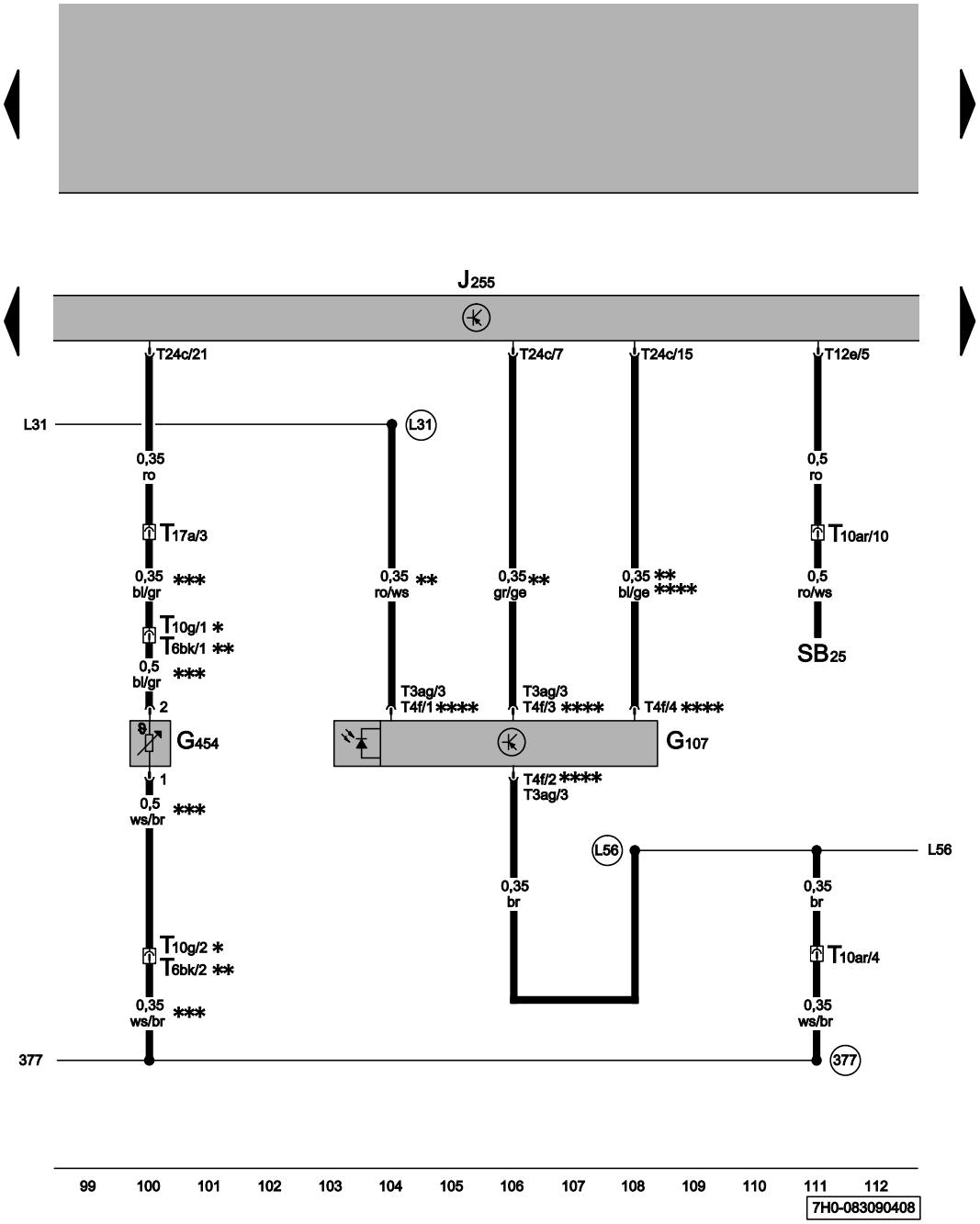


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Climatronic control unit, sender for front Bitron blower regulation, sunlight penetration photosensor, motor for front Bitron blower regulation

A1	Second battery
G107	Sunlight penetration photosensor
G462	Front blower Bitron regulation sender
J255	Climatronic control unit
S97	Fresh air blower fuse 1
SB14	Fuse 14 on fuse holder B
T2l	2-pin connector
T2ay	2-pin connector, black
T4f	4-pin connector, black
T4g	4-pin connector
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
V305	Front blower Bitron regulation motor
377	Earth connection 12, in main wiring harness
638	Earth point, right A-pillar
B309	Positive connection 13 (30), in main wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
L31	Connection (5V), in air conditioning system wiring harness

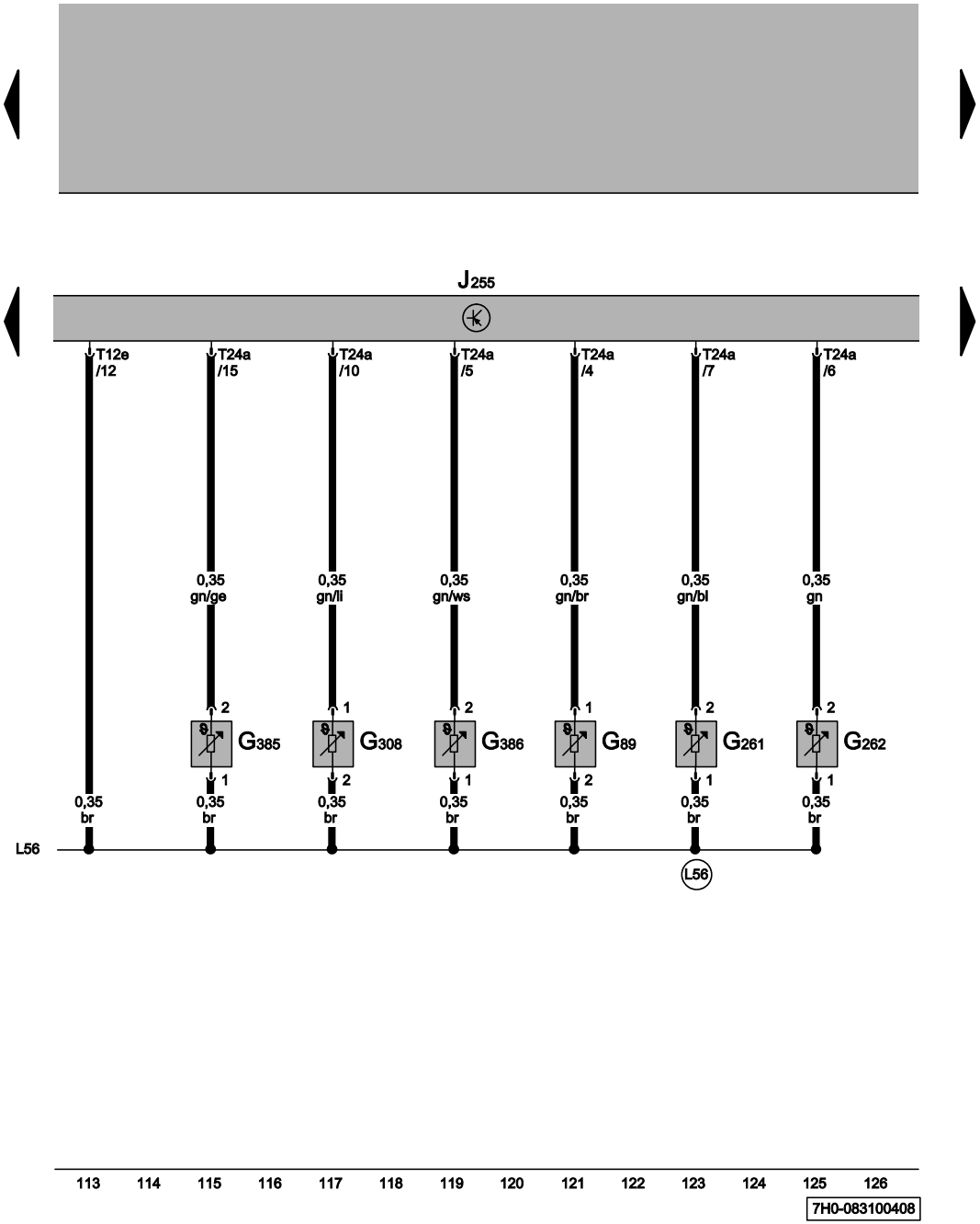
* applicable up to January 2004
** for models with auxiliary coolant heater only
*** for models without auxiliary coolant heater only



ws = white
sw = black
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Climatronic control unit, sunlight penetration photosensor, refrigerant temperature sender

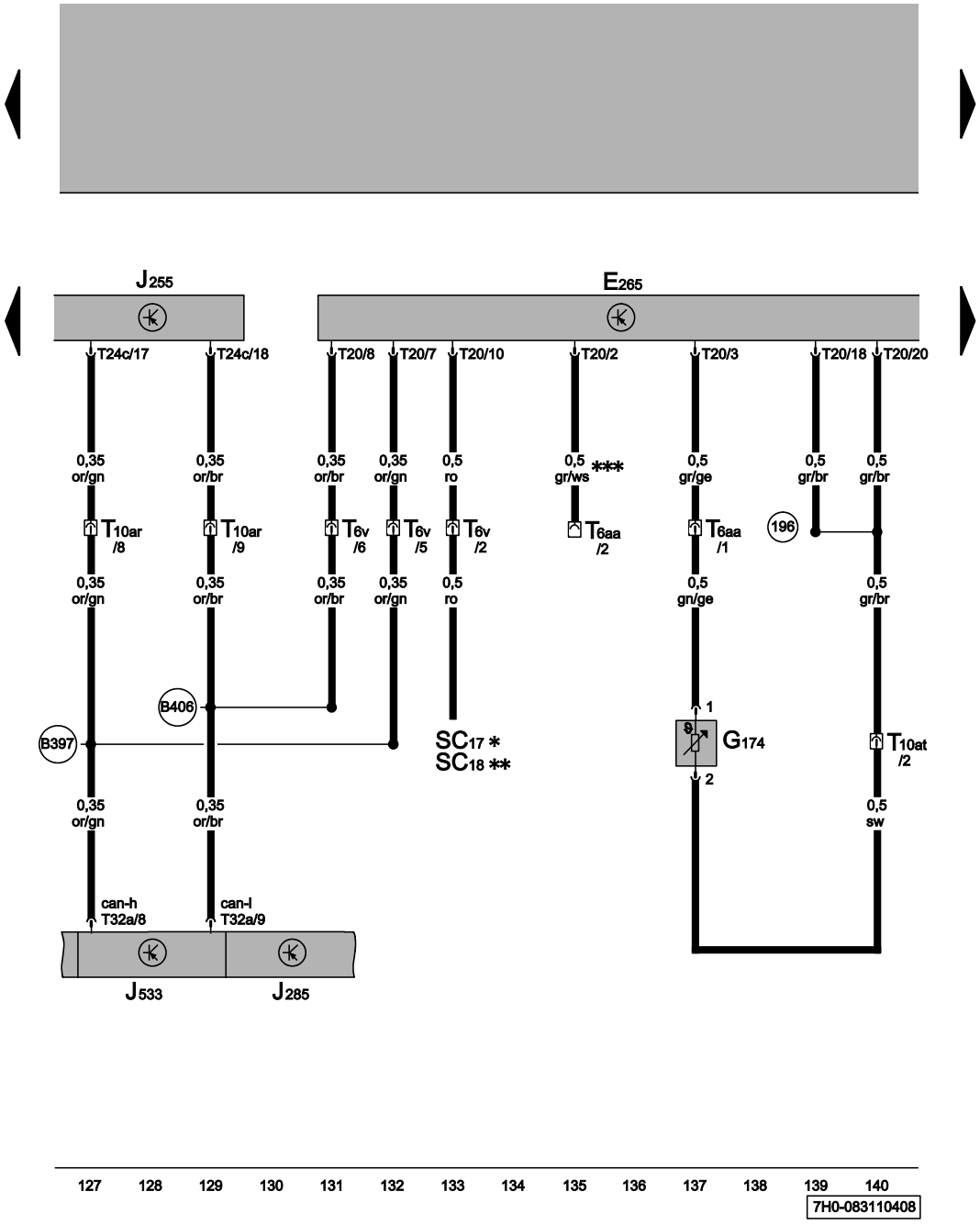
G107	Sunlight penetration photosensor
G454	Refrigerant temperature sender
J255	Climatronic control unit
SB25	Fuse 25 on fuse holder B
T3ag	3-pin connector, black
T4f	4-pin connector, black
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10g	10-pin connector, grey, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
377	Earth connection 12, in main wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L56	Connection (sender), in Climatronic wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
****	For Multivan only



Climatronic control unit, fresh air intake duct temperature sensor, footwell vent temperature sender, evaporator temperature sensor, front chest vent temperature sensor

G89	Fresh air intake duct temperature sensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G308	Evaporator temperature sensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
L56	Connection (sender), in Climatronic wiring harness

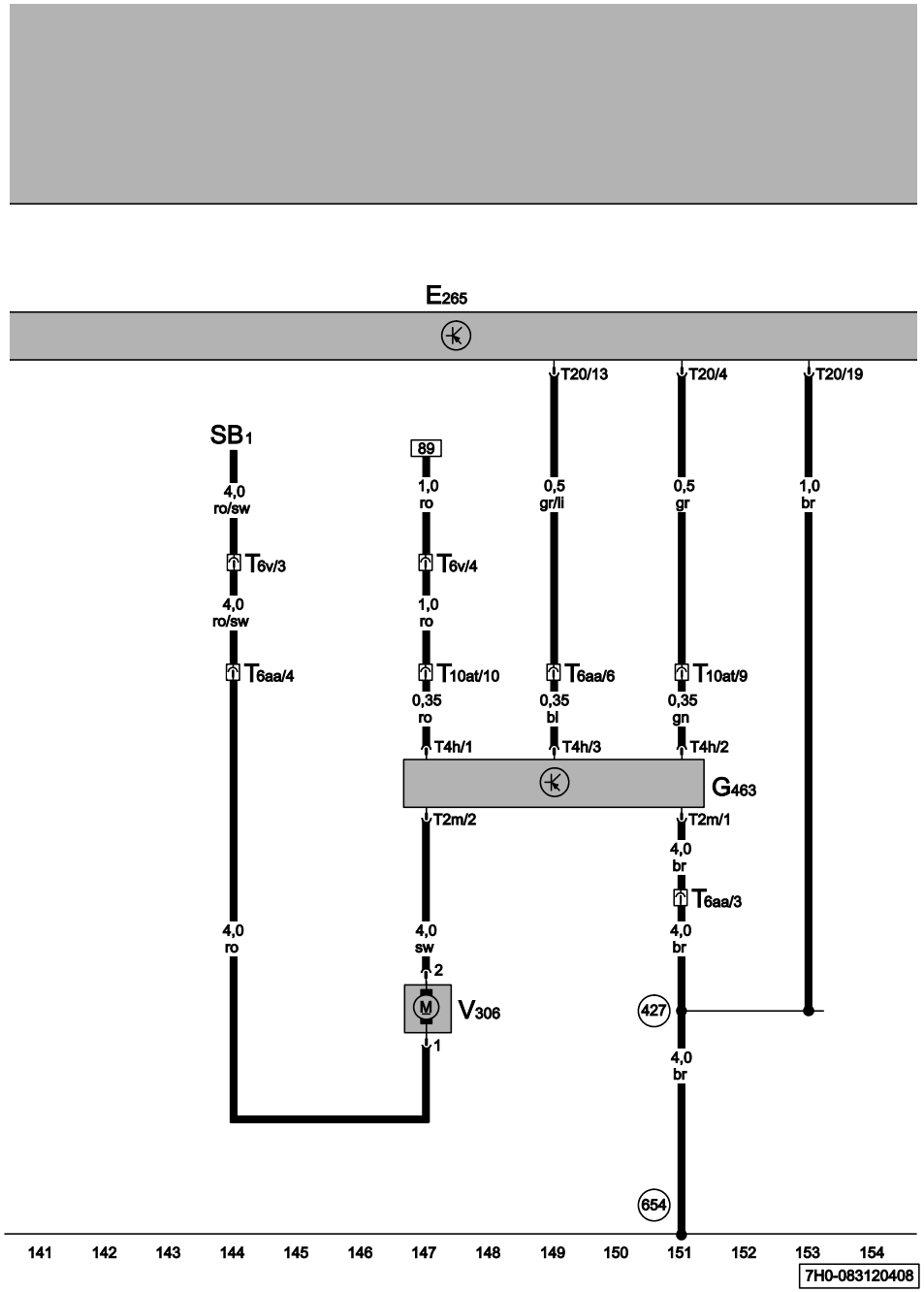
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
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Operating and display unit for rear Climatronic, rear vent temperature sender

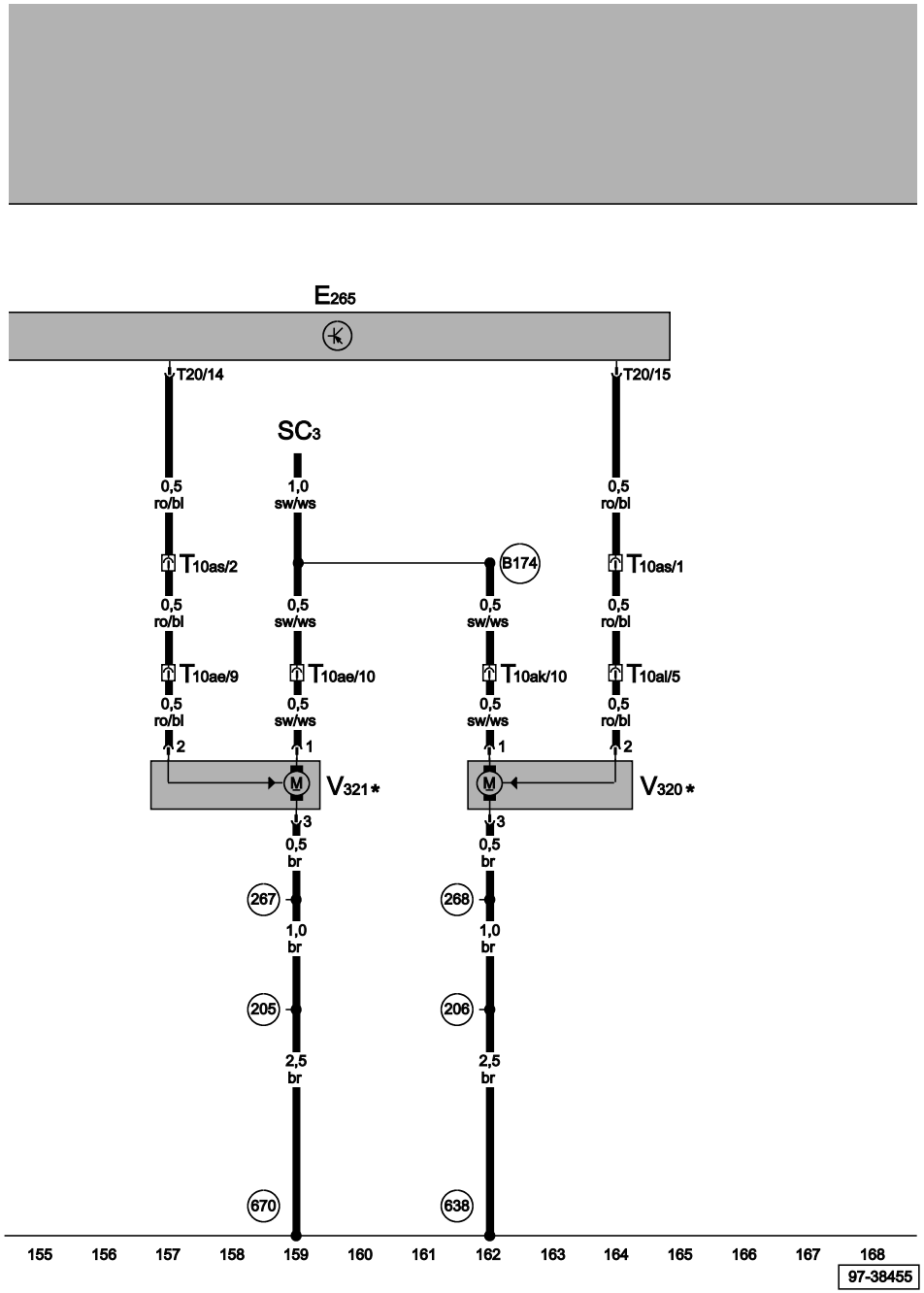
E265	Operating and display unit for rear Climatronic
G174	Rear vent temperature sender
J255	Climatronic control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC17	Fuse 17 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T10ar	10-pin connector, green, behind the glove box
T10at	10-pin connector, blue, near second evaporator rear right
T20	20-pin connector
T24c	24-pin connector, brown
T32a	32-pin connector, green
196	Earth connection 3, in rear wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to January 2004
**	applicable from February 2004
***	wire is dropped from June 2004



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Rear Climatronic operating and display unit, rear blower Bitron regulation motor

E265	Operating and display unit for rear Climatronic
G463	Rear blower regulation sender
SB1	Fuse 1 on fuse holder B
T2m	2-pin connector
T4h	4-pin connector
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T10at	10-pin connector, blue, near second evaporator rear right
T20	20-pin connector
V306	Rear blower Bitron regulation motor
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar



Operating and display unit for rear Climatronic, right auxiliary blower, left auxiliary blower

E265	Operating and display unit for rear Climatronic
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10as	10-pin connector, yellow, coupling station under front passenger seat
T20	20-pin connector
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
*	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
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rs	=	pink

Second battery, not camper

from June 2003

Notes:

For information concerning

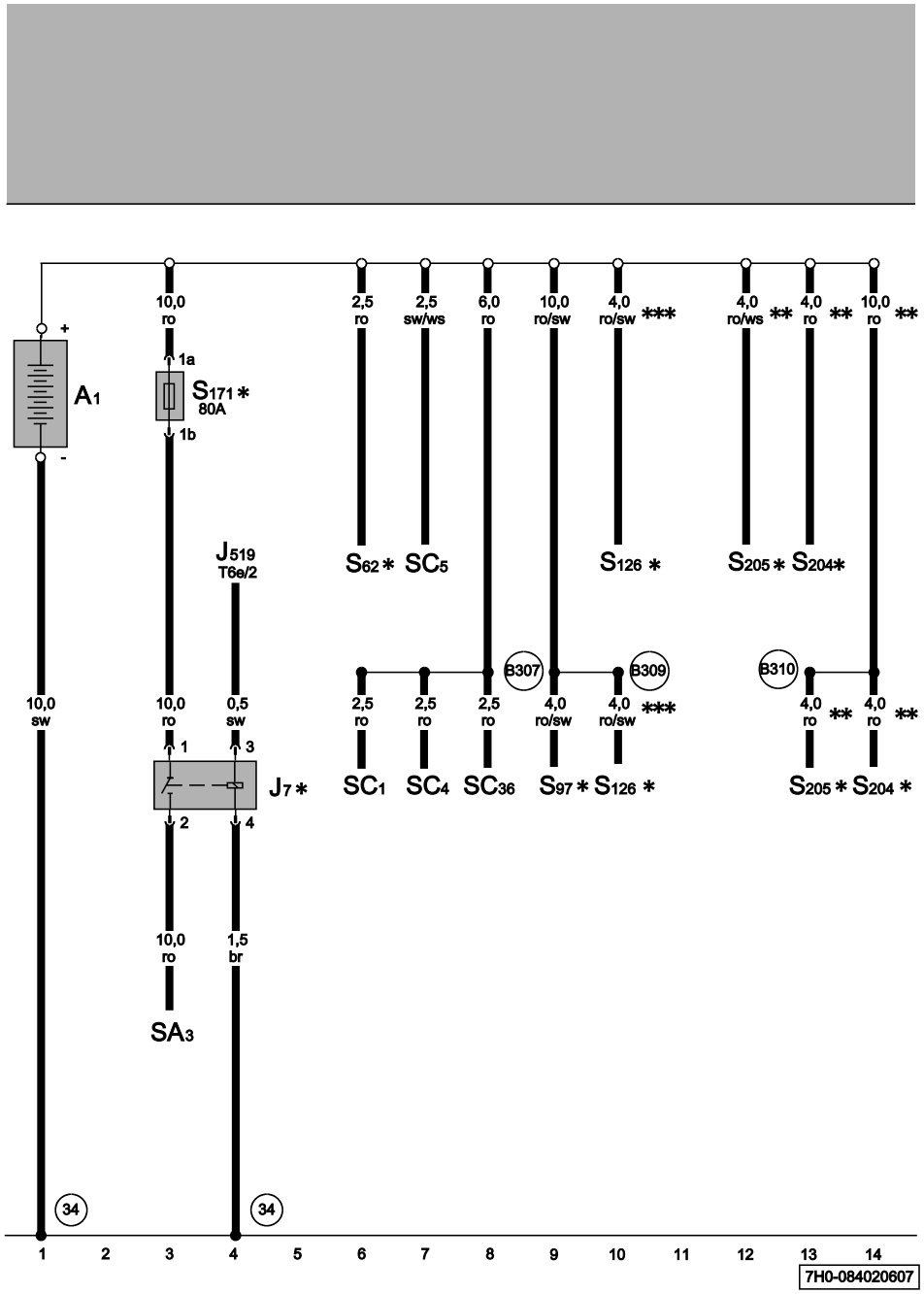
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Second battery, battery isolation relay, battery isolation relay fuse

A1	Second battery
J7	Battery isolation relay
J519	Onboard supply control unit
S62	Auxiliary heater fuse
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
S171	Battery isolation relay fuse
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
SC1	Fuse 1 on fuse holder C
SC4	Fuse 4 on fuse holder C
SC5	Fuse 5 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6e	6-pin connector, red
34	Earth point, under driver seat
B307	Positive connection 11 (30), in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
B310	Positive connection 14 (30), in main wiring harness
*	On left in seat box
**	for models with sliding door only, ⇒ CFD for sliding door
***	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink

Rotating light

from February 2004

Notes:

For information concerning

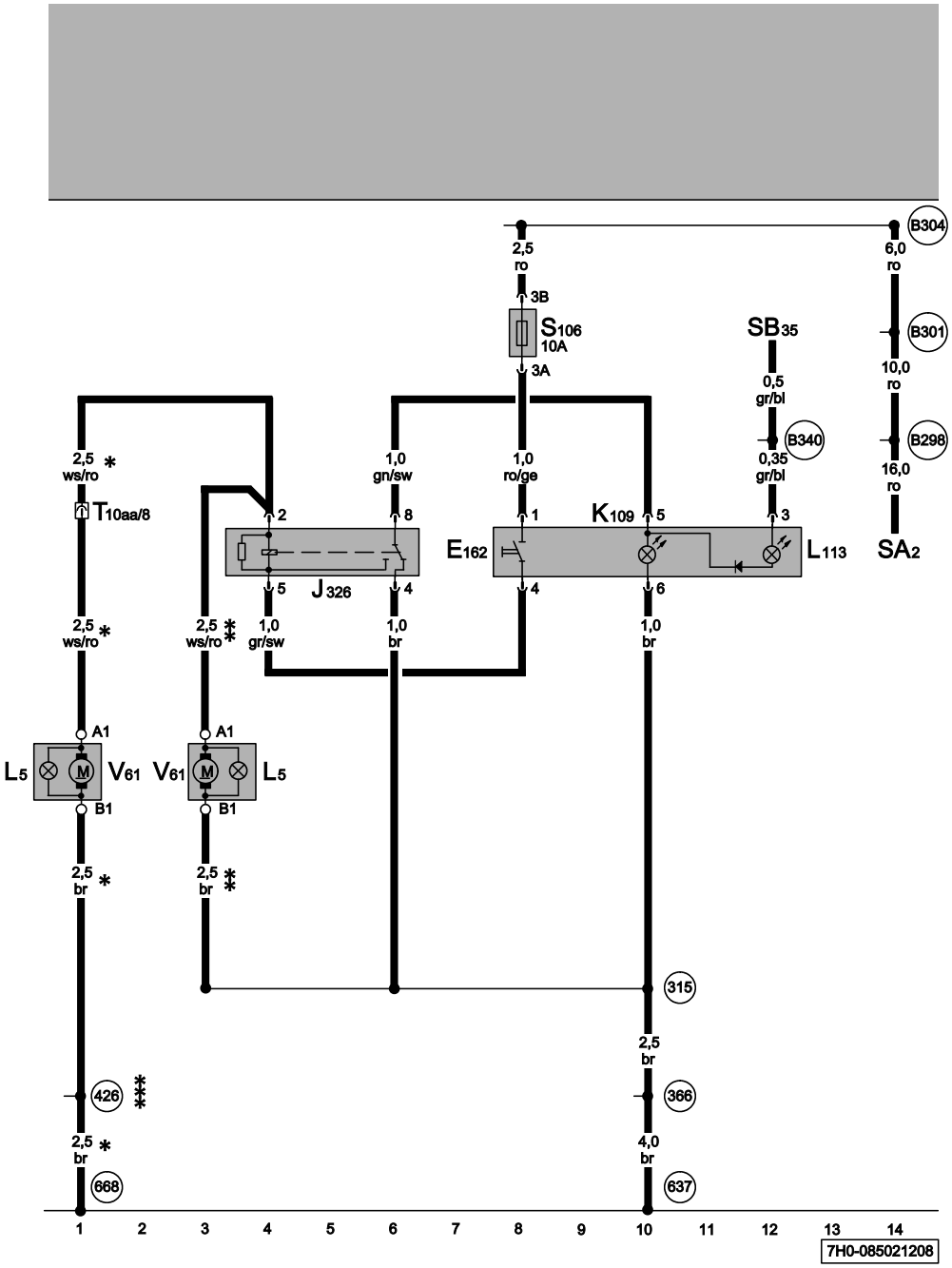
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



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Rotating light switch, rotating light relay, rotating light bulb, rotating light motor

E162	Rotating light switch
J326	Rotating light relay
K109	Rotating light warning lamp
L5	Rotating light bulb
L113	Rotating light and siren switch illumination bulb
S106	Rotating light fuse
SA2	Fuse 2 on fuse holder A
SB35	Fuse 35 on fuse holder B
T10aa	10-pin connector, dark brown, coupling station under driver seat
V61	Rotating light motor
315	Earth connection, in rotating light wiring harness
366	Earth connection 1, in main wiring harness
426	Earth connection 3, in left rear end wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	for double cab and plank bed vehicles only
***	depends on equipment

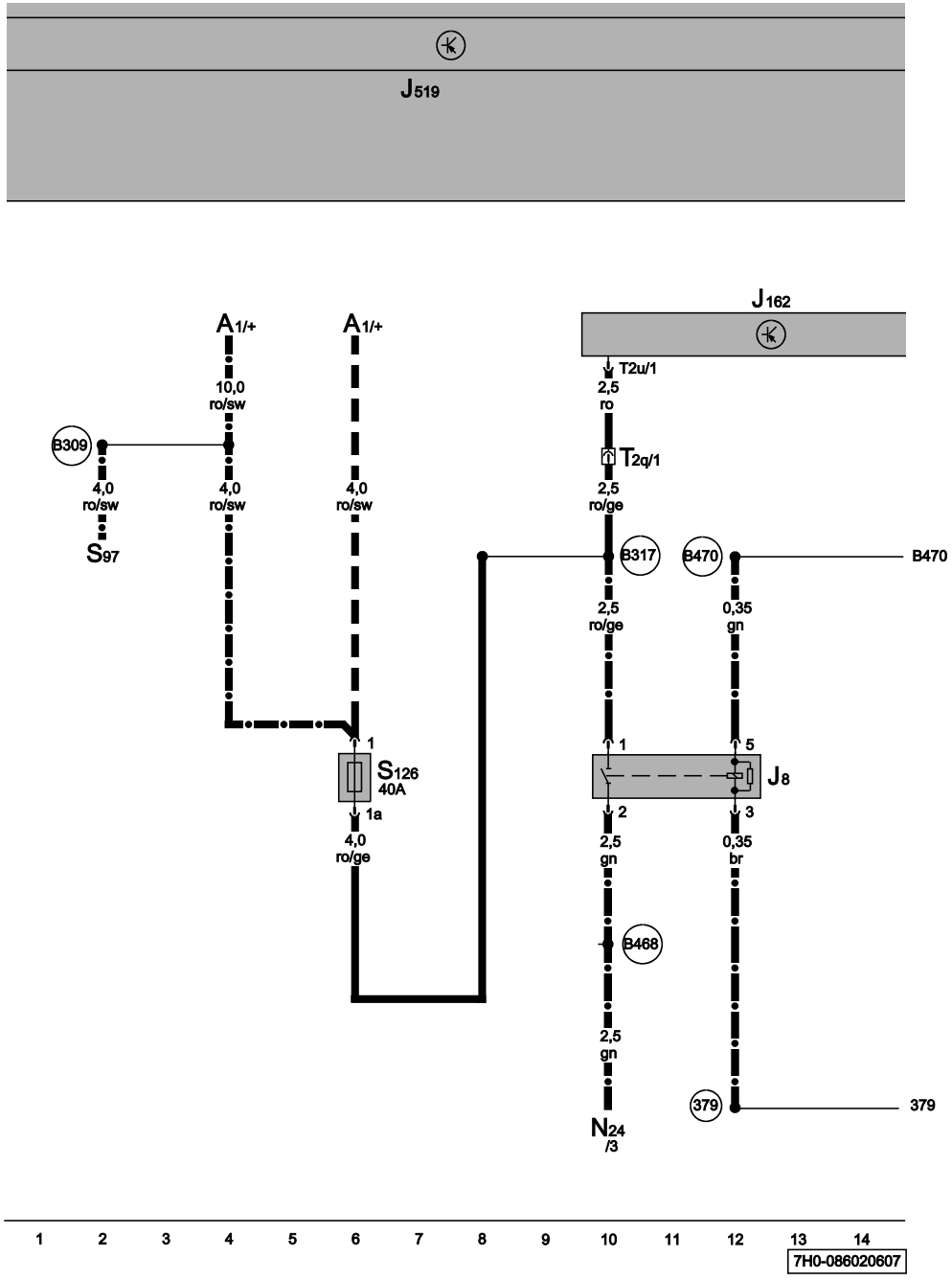
Auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D

⇒ **Remote control receiver**
⇒ **Preselection clock**
⇒ **Utilisation of residual heat**
from June 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Heater control unit, auxiliary heater fuse, auxiliary heater relay

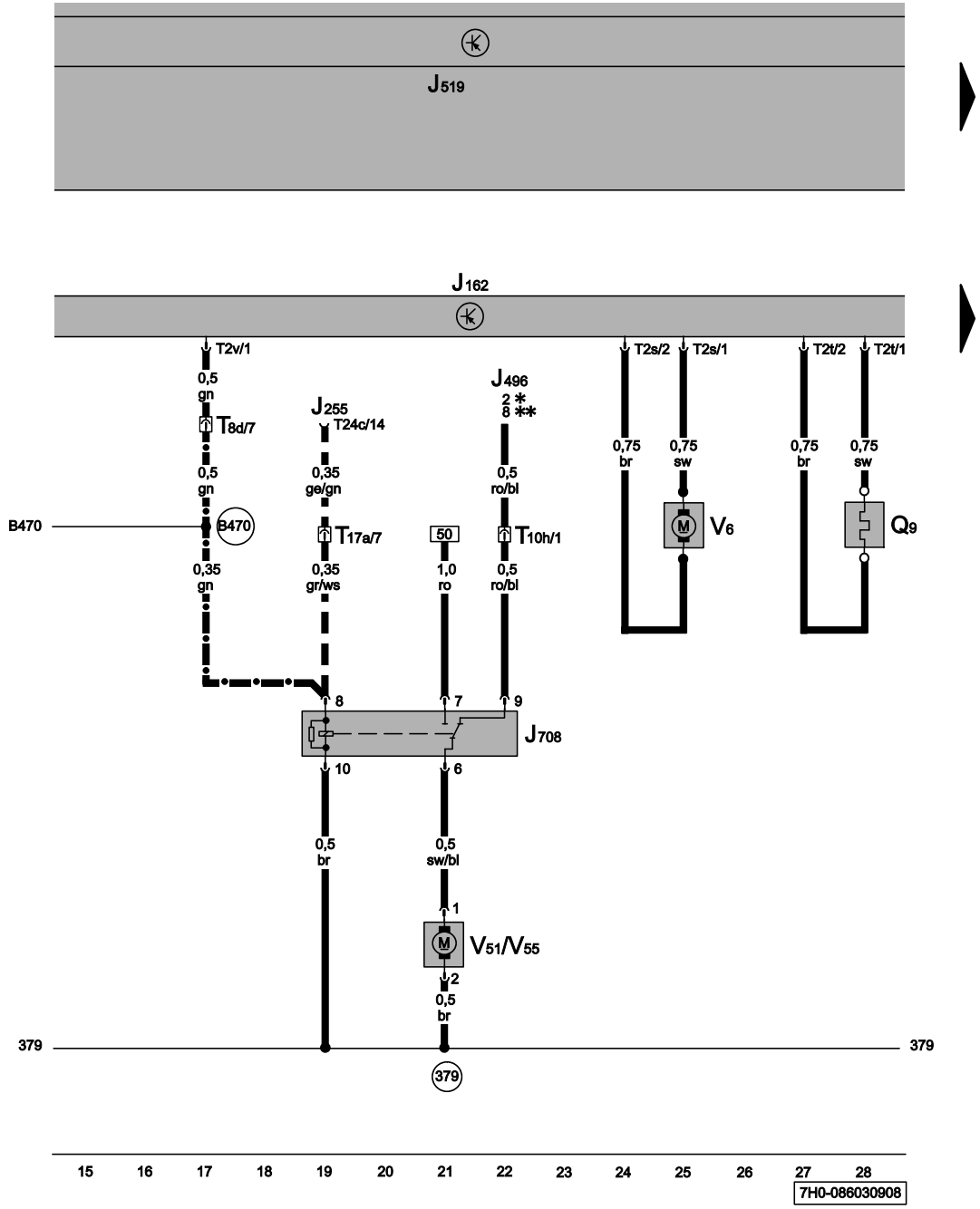
A1	Second battery
J8	Auxiliary heater relay
J162	Heater control unit
J519	Onboard supply control unit
N24	Fresh air blower series resistor with overheating fuse
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
379	Earth connection 14, in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
B470	Connection 6 in main wiring harness

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samba/
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uniform"/
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

tools/
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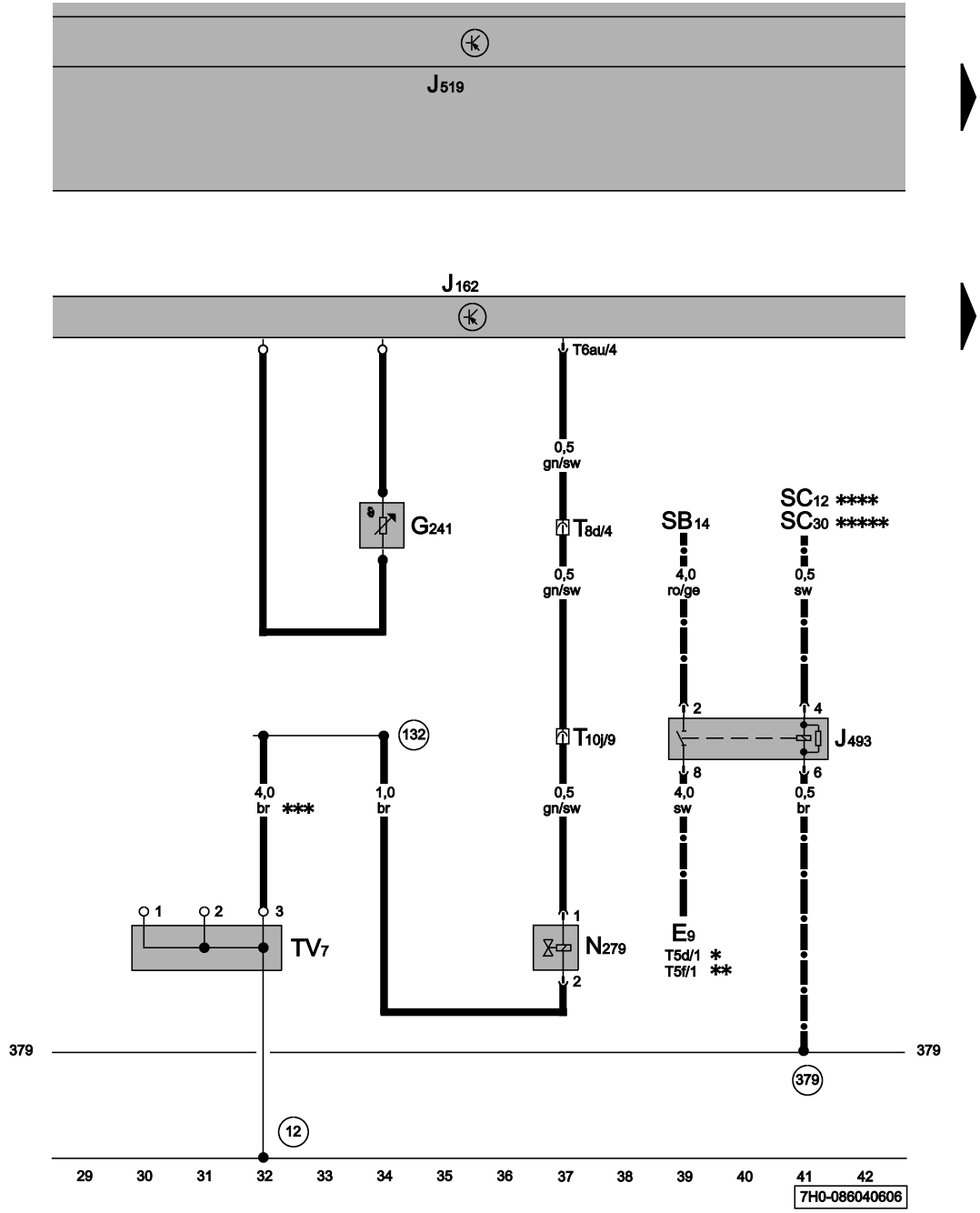
Heater control unit, residual heat relay, circulation pump, continued coolant circulation pump, glow plug for heater, combustion air blower

J162	Heater control unit
J255	Climatronic control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
J708	Residual heat relay
Q9	Glow plug for heater
T2s	2-pin connector
T2t	2-pin connector
T2v	2-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V6	Combustion air blower
V51	Continued coolant circulation pump
V55	Circulation pump
379	Earth connection 14, in main wiring harness
B470	Connection 6 in main wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXA, AXB, AXC, AXD, AXE and BLJ only
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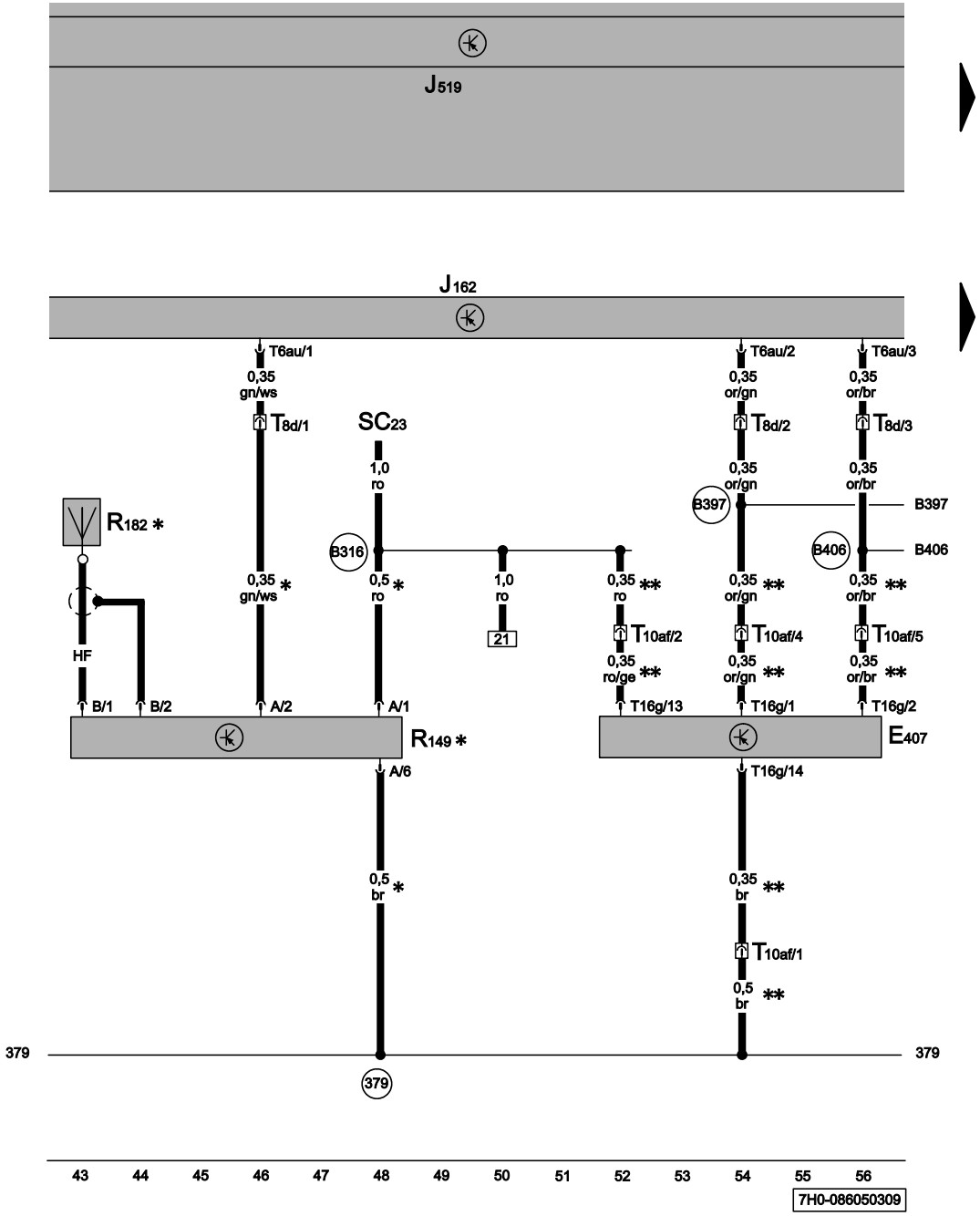
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Heater control unit, auxiliary coolant heater relay, coolant temperature sender for heater, heater coolant shut-off valve

E9	Fresh air blower switch
G241	Coolant temperature sender for heater
J162	Heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
N279	Heater coolant shut-off valve
SB14	Fuse 14 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T5f	5-pin connector
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
379	Earth connection 14, in main wiring harness
*	for models with air conditioning system only
**	for models without air conditioning system only
***	Cross-section 6.0 for engine codes AXA, BDL, BDM and BKK only
****	applicable up to January 2004
*****	applicable from February 2004
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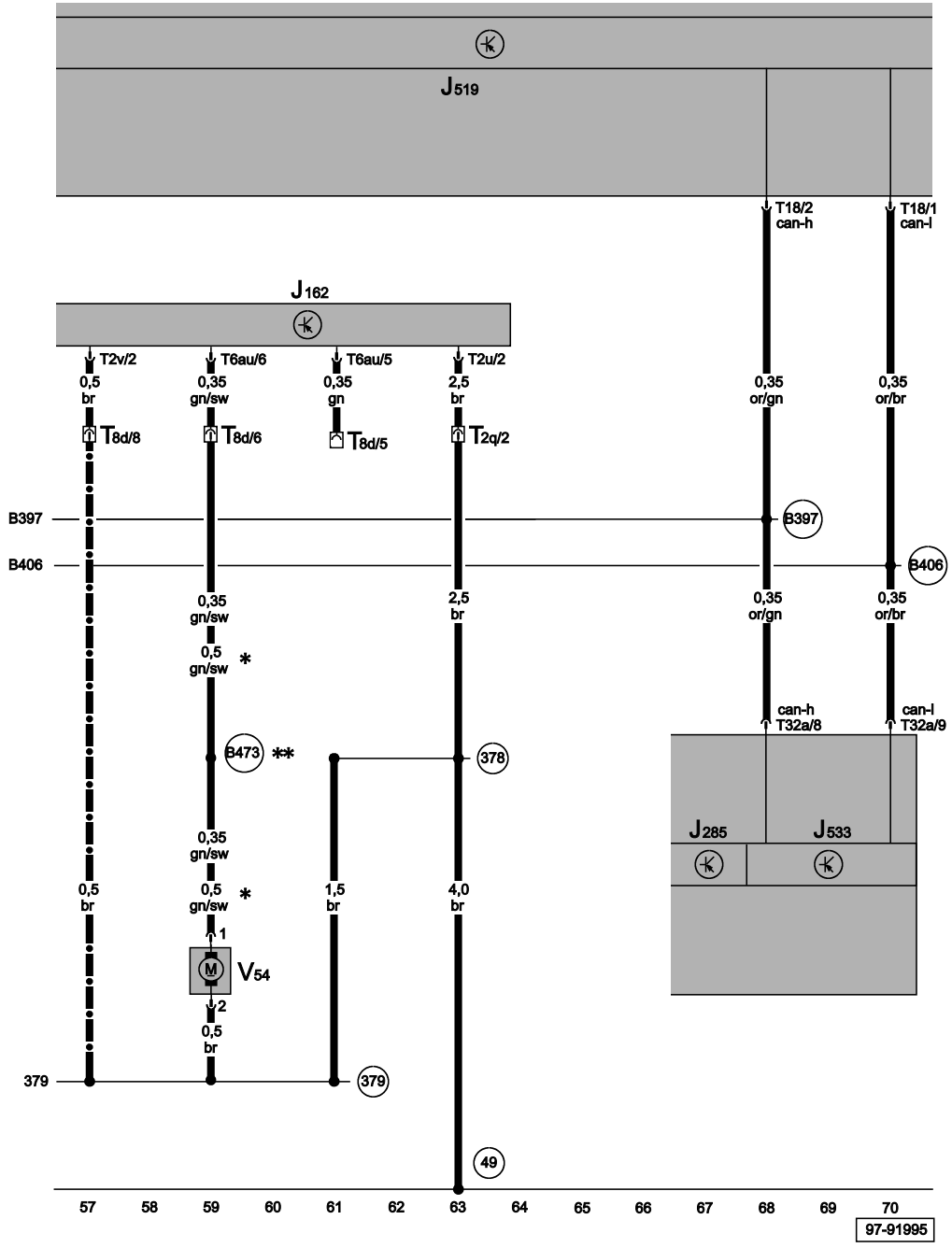
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rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, auxiliary heater operating and display unit, remote control receiver for auxiliary coolant heater, auxiliary heater aerial

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J519	Onboard supply control unit
R149	Remote control receiver for auxiliary coolant heater
R182	Auxiliary heater aerial
SC23	Fuse 23 on fuse holder C
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
379	Earth connection 14, in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with remote control receiver for auxiliary coolant heater only
**	for models with auxiliary heater operating and display unit only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, metering pump, control unit in dash panel insert

J162	Heater control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T18	18-pin connector, black
T32a	32-pin connector, green
V54	Metering pump
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B473	Connection 9 in main wiring harness
*	applicable from December 2003
**	Is dropped from February 2004

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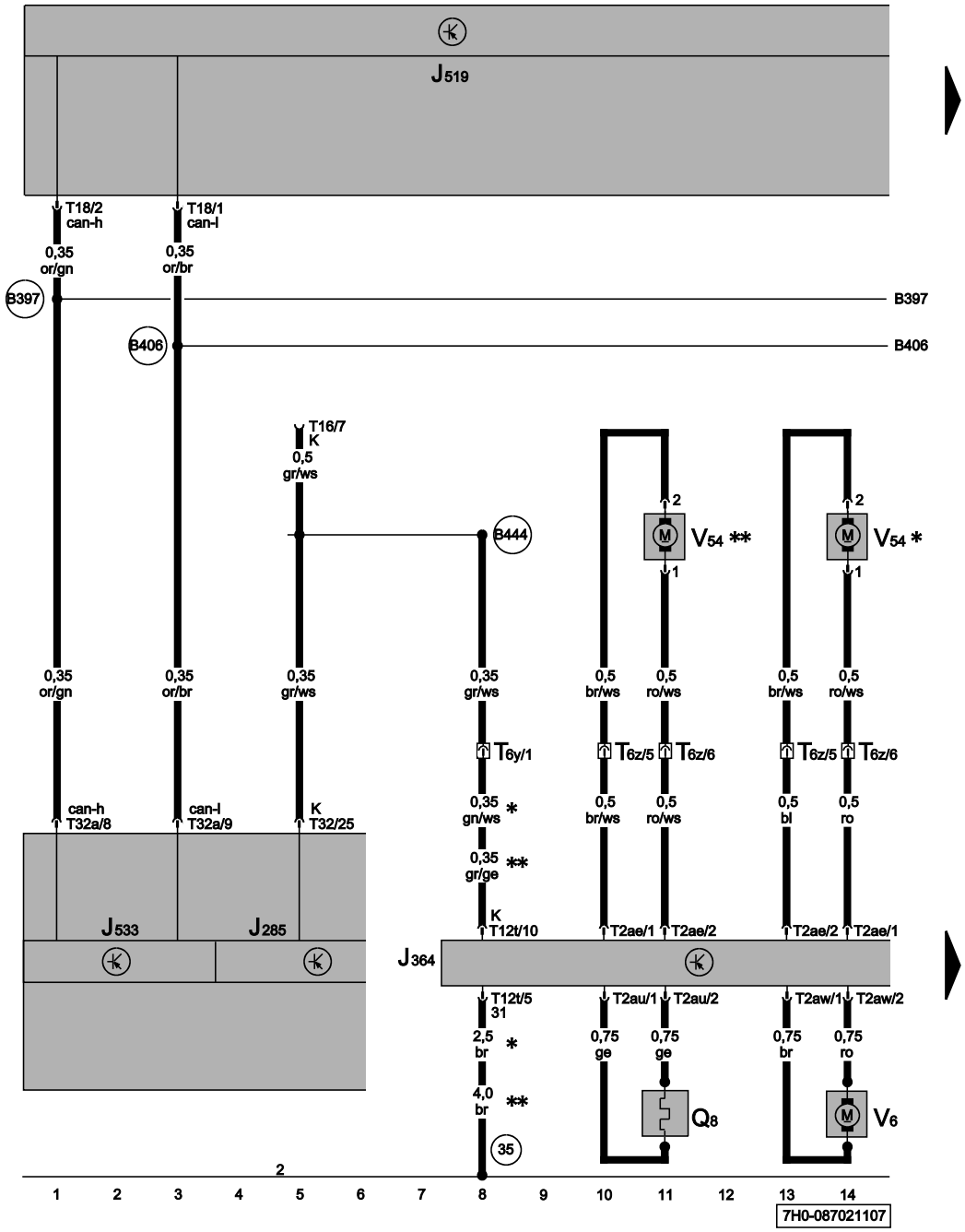
Auxiliary air heater Air Top 3500

⇒ **with time switch clock (7VA/7VG)**
⇒ **with remote control (7VF/7VM)**
from June 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

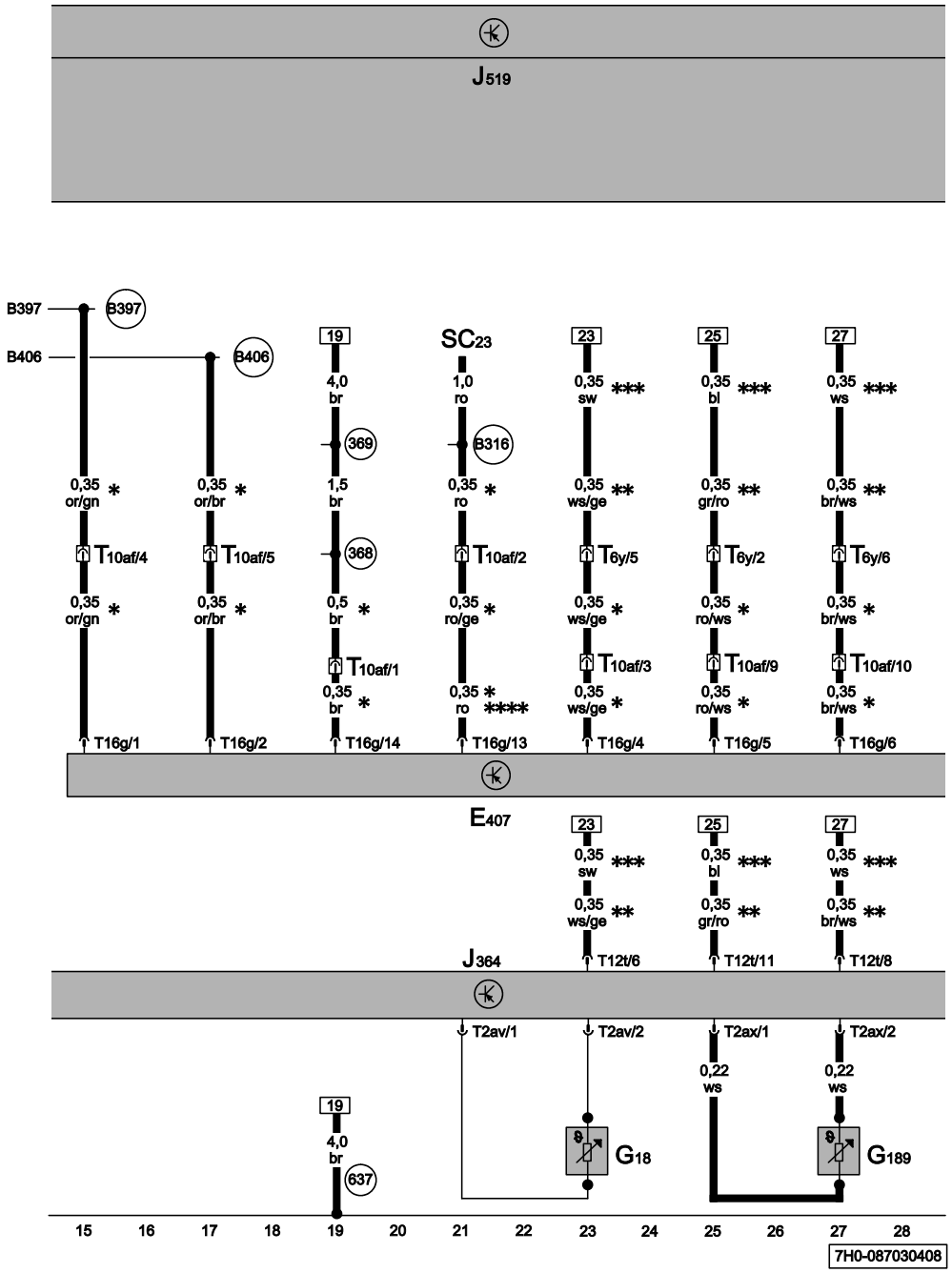
⇒ guided fault finding



ws = white
sw = black
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Auxiliary heater control unit, glow plug with flame monitor, combustion air blower, metering pump

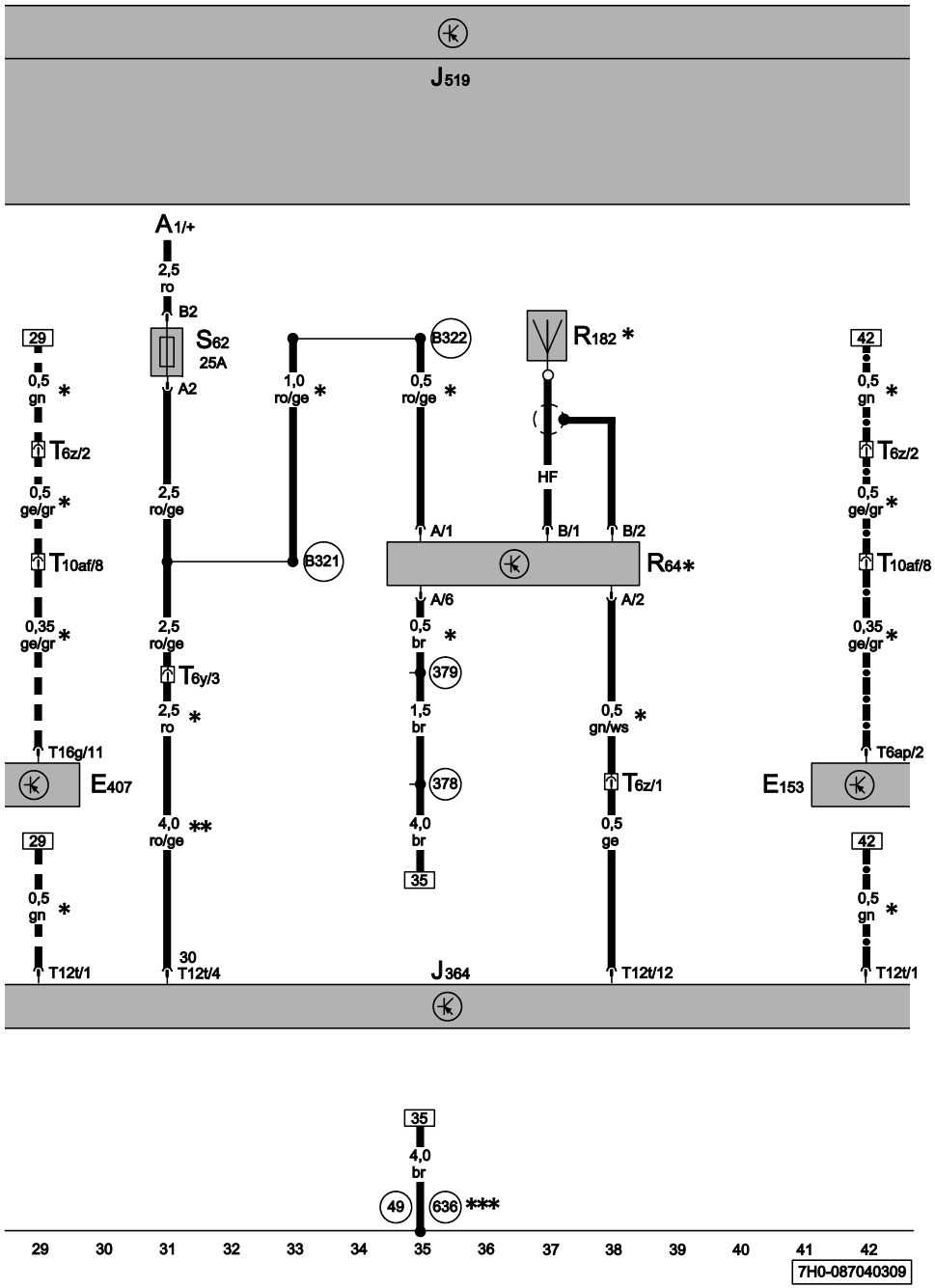
J285	Control unit in dash panel insert
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
Q8	Glow plug with flame monitor
T2ae	2-pin connector, black
T2au	2-pin connector, black
T2aw	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T12t	12-pin connector, black
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
V6	Combustion air blower
V54	Metering pump
35	Earth point, under front passenger seat
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with remote control receiver for auxiliary heating only
**	for models without remote control receiver for auxiliary heating only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Auxiliary heater control unit, auxiliary heater operating and display unit, temperature sensor, overheating sensor

E407	Auxiliary heater operating and display unit
G18	Temperature sensor
G189	Overheating sensor
J364	Auxiliary heater control unit
J519	Onboard supply control unit
SC23	Fuse 23 on fuse holder C
T2av	2-pin connector, black
T2ax	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	For multivan and shuttle only
**	for models without remote control receiver for auxiliary heating only
***	for models with remote control receiver for auxiliary heating only
***	applicable from November 2007



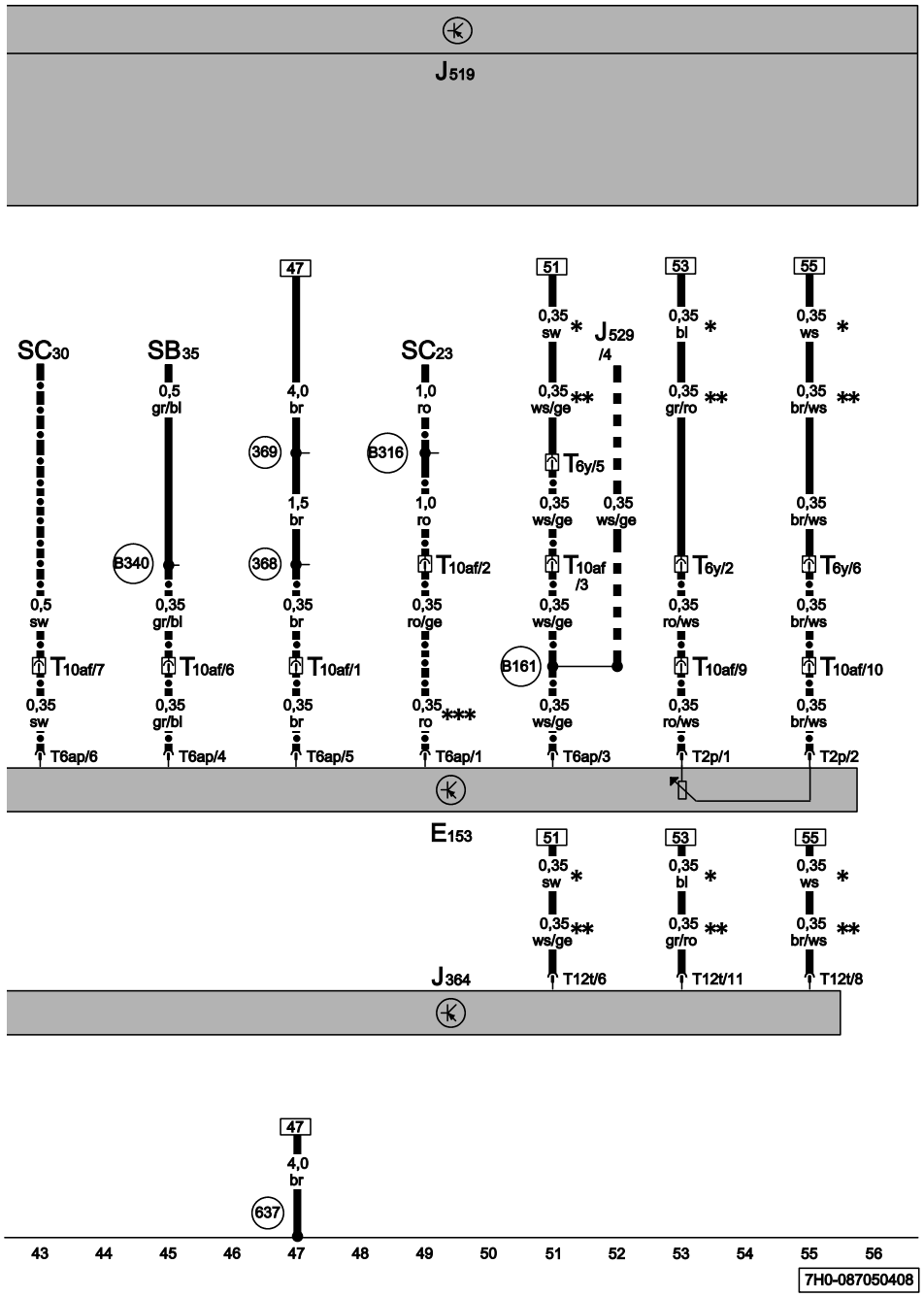
Auxiliary heater control unit, remote control receiver for auxiliary heater, auxiliary heater aerial

A1	Second battery
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J519	Onboard supply control unit
R64	Remote control receiver for auxiliary heating
R182	Auxiliary heater aerial
S62	Auxiliary heater fuse
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector, black
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
B321	Positive connection 7 (30a), in main wiring harness
B322	Positive connection 8 (30a), in main wiring harness
*	for models with remote control receiver for auxiliary heating only
**	for models without remote control receiver for auxiliary heating only
***	applicable from January 2006
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gn	=	green
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Auxiliary heater control unit, auxiliary heater operating and display unit for camping equipment

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SB35	Fuse 35 on fuse holder B
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B161	Connection (ATA), in interior wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with remote control receiver for auxiliary heating only
**	for models without remote control receiver for auxiliary heating only
***	applicable from November 2007
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt"	applicable from January 2005, for models with anti-theft alarm system only

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Sliding doors, electric (GX5/ GZ1/ GZ5/ GZ6)

⇒ **Power latching system**

from June 2003

Notes:

For information concerning

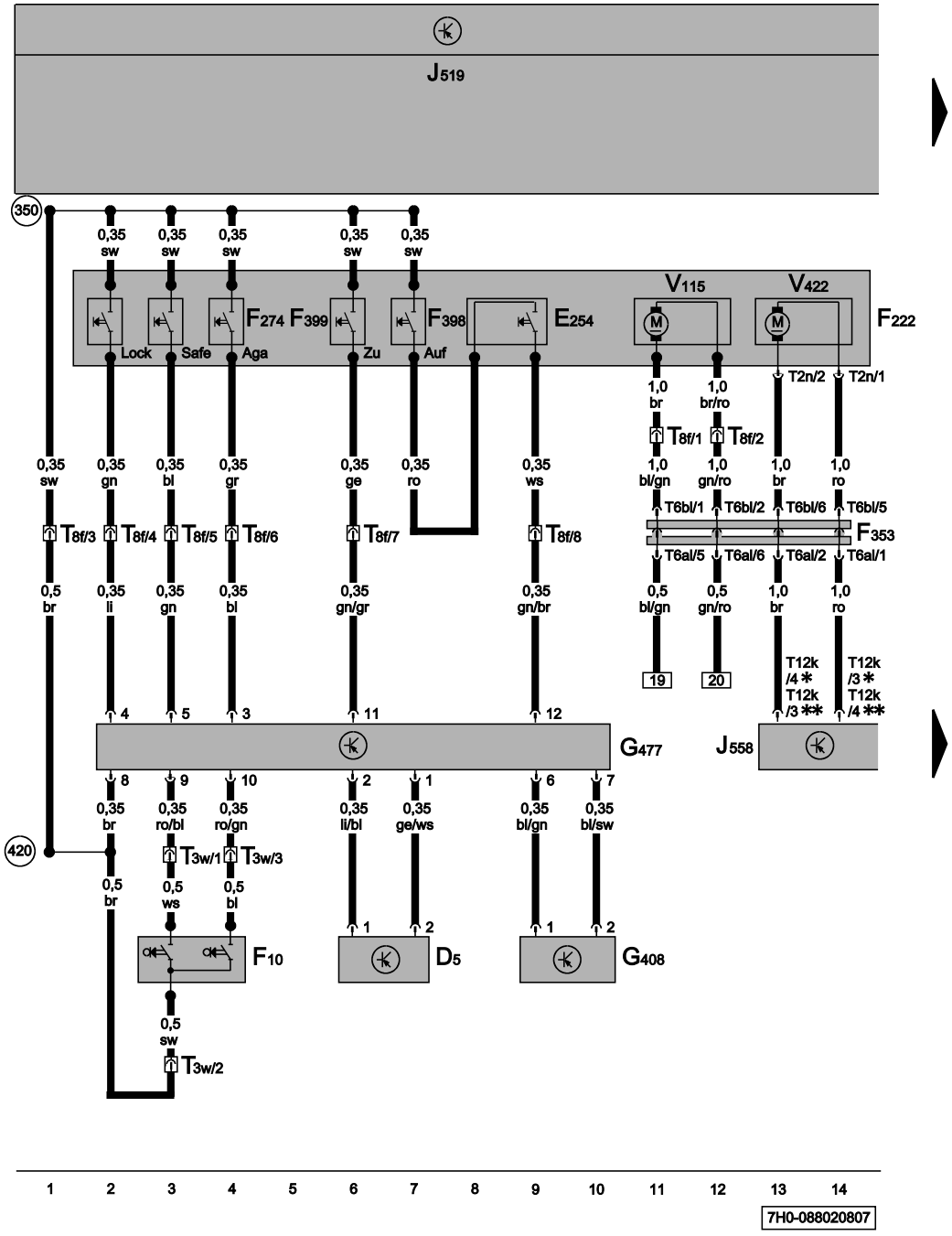
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

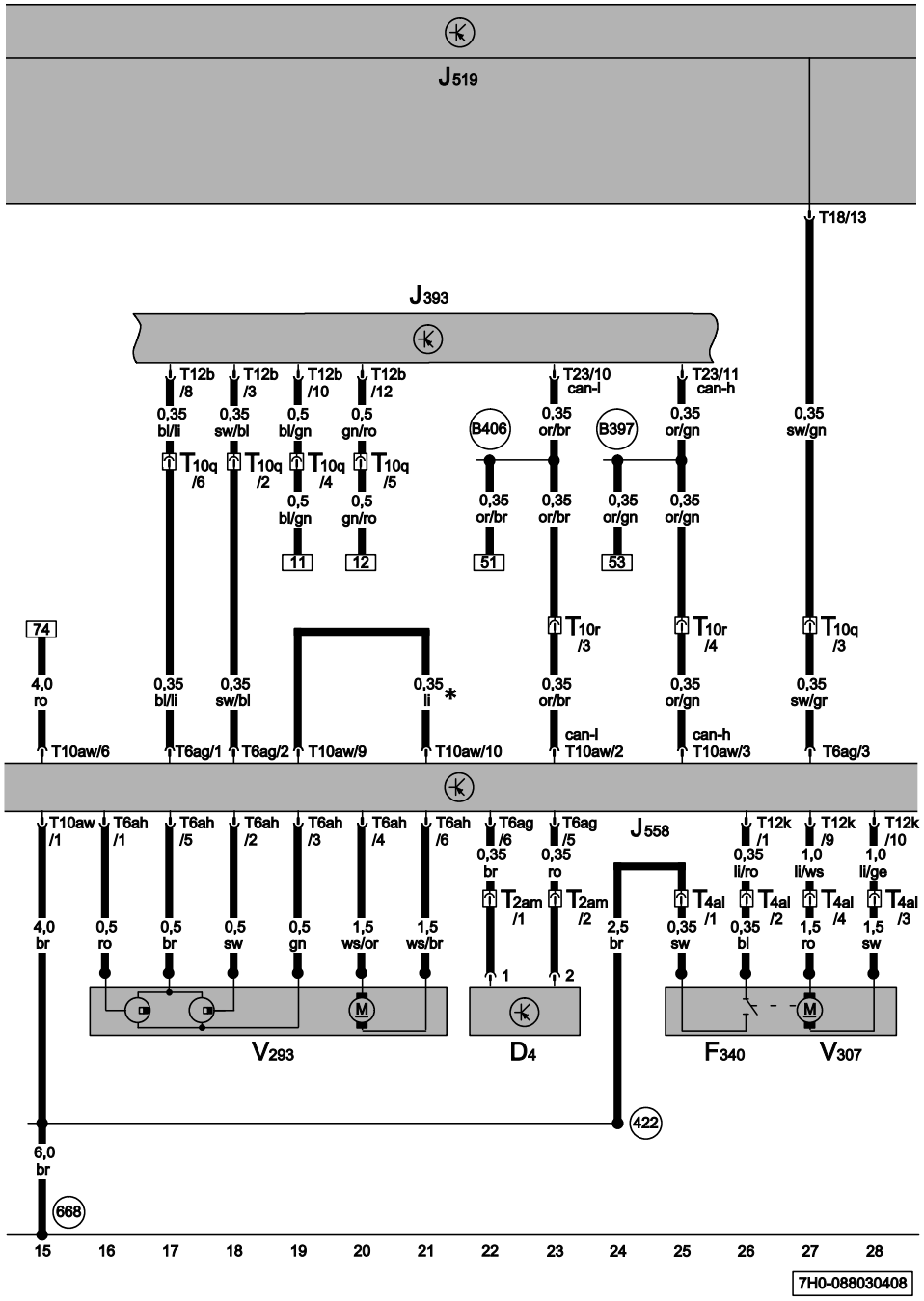
⇒ guided fault finding



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sliding door sender unit, sliding door control unit

D5	Sliding door solenoid coil
E254	Childproof lock switch
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F274	Rear left door exterior handle switch
F353	Left sliding door contact strip
F398	Interior door handle switch for opening rear left door
F399	Interior door handle switch for closing rear left door
G408	Anti-trapping sensor
G477	Sliding door sender unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2n	2-pin connector
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8f	8-pin connector
T12k	12-pin connector
V115	Rear left door central locking motor
V422	Rear left rotary latch motor
350	Earth connection 2, in rear left door wiring harness
420	Earth connection 1, in left sliding door wiring harness
*	applicable up to January 2004
**	applicable from February 2004

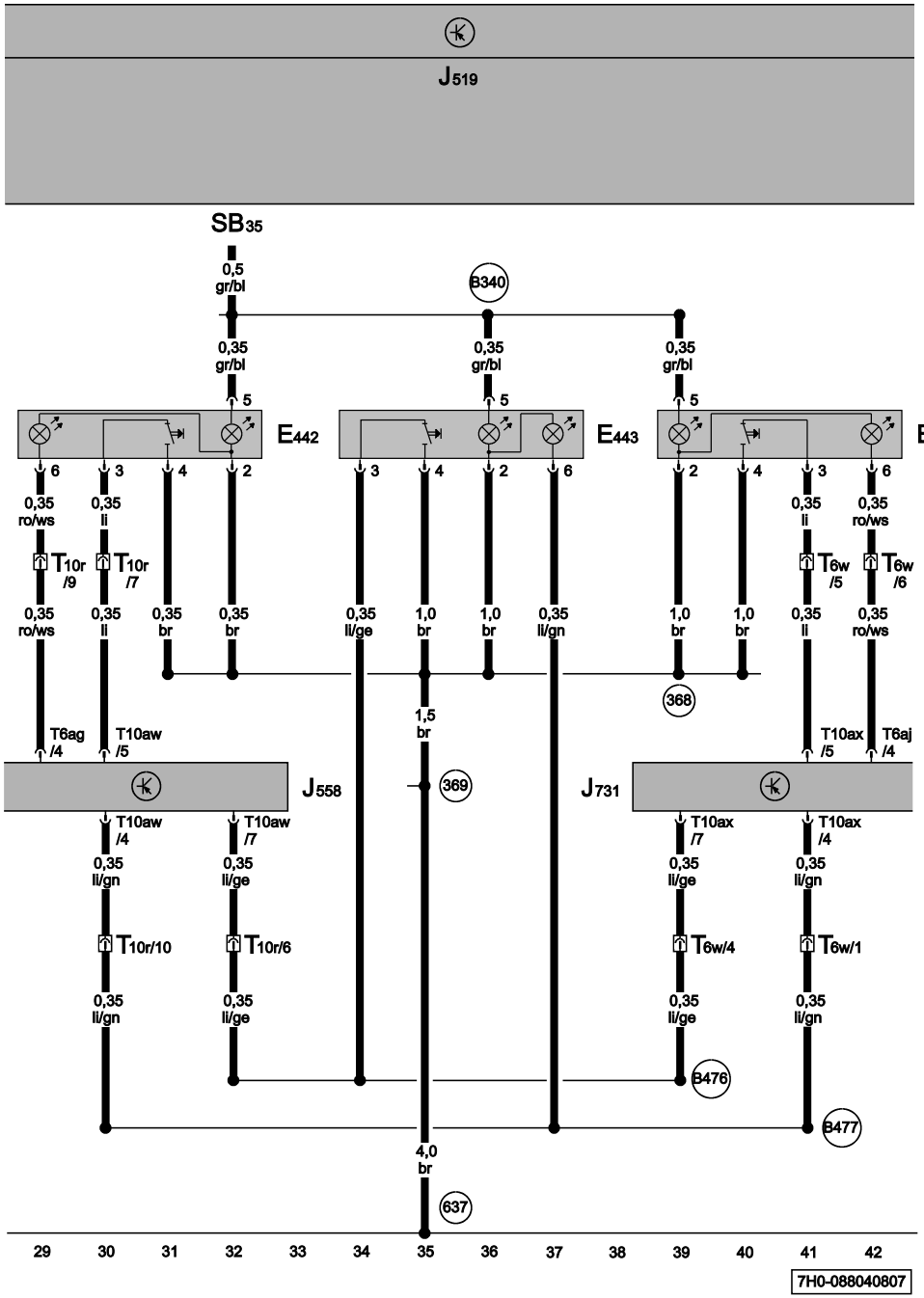
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ge	=	yellow
or	=	orange
rs	=	pink



Sliding door reader coil, sliding door opening motor, rear left power latching motor, sliding door control unit

D4	Sliding door reader coil
F340	Rear left door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2am	2-pin connector, black, under roof, near left B-pillar
T4al	4-pin connector, black, on left C-pillar
T6ag	6-pin connector
T6ah	6-pin connector, light-brown
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T12b	12-pin connector
T12k	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
V293	Sliding door opening motor
V307	Rear left door power latching motor
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	Left sliding door coding link

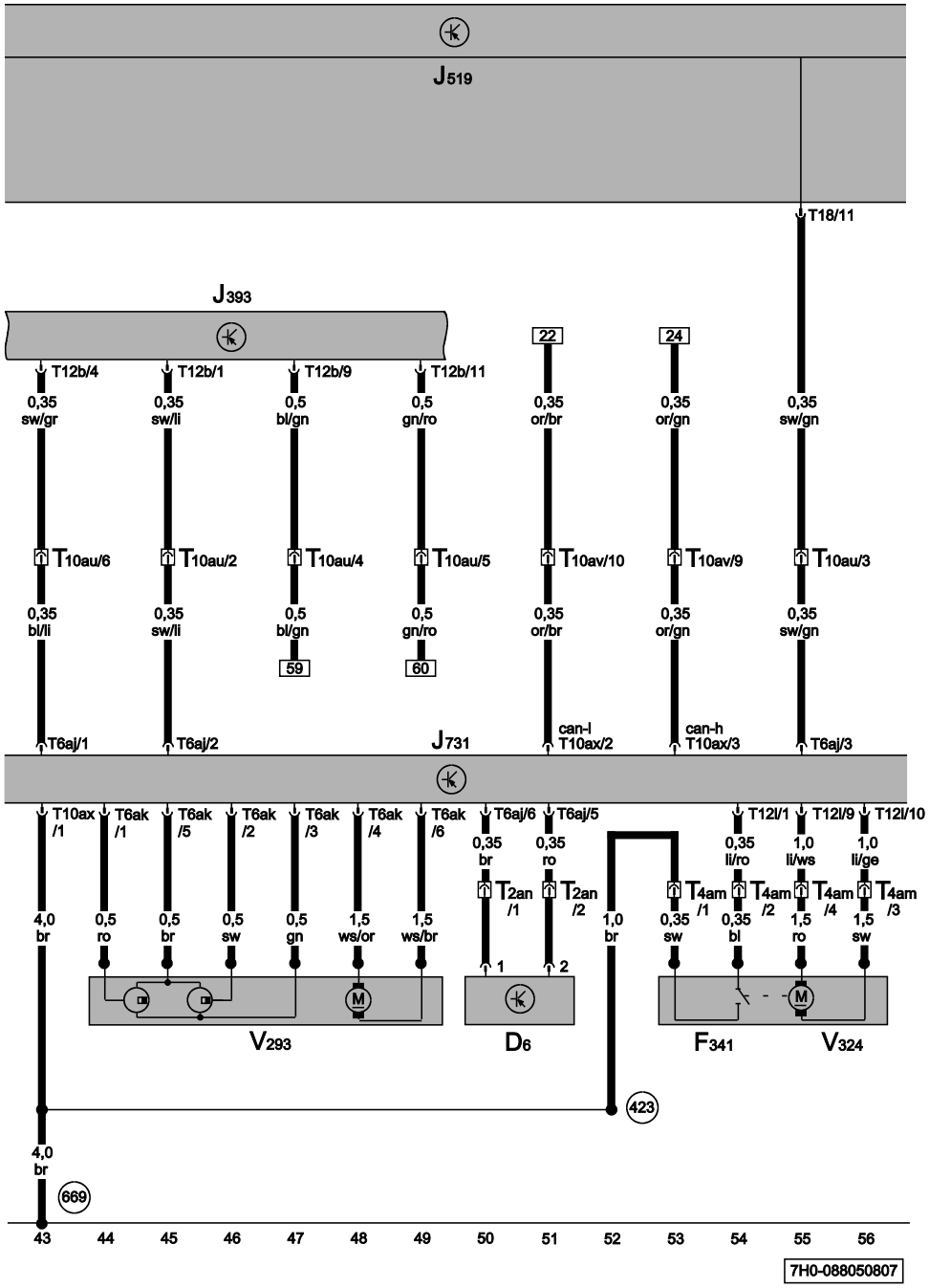
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ge	=	yellow
or	=	orange
rs	=	pink



Sliding door button, button to deactivate sliding door, left and right sliding door control unit

E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
SB35	Fuse 35 on fuse holder B
T6w	6-pin connector, light-pink, coupling station under front passenger seat
T6ag	6-pin connector
T6aj	6-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T10ax	10-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B476	Connection 12 in main wiring harness
B477	Connection 13 in main wiring harness

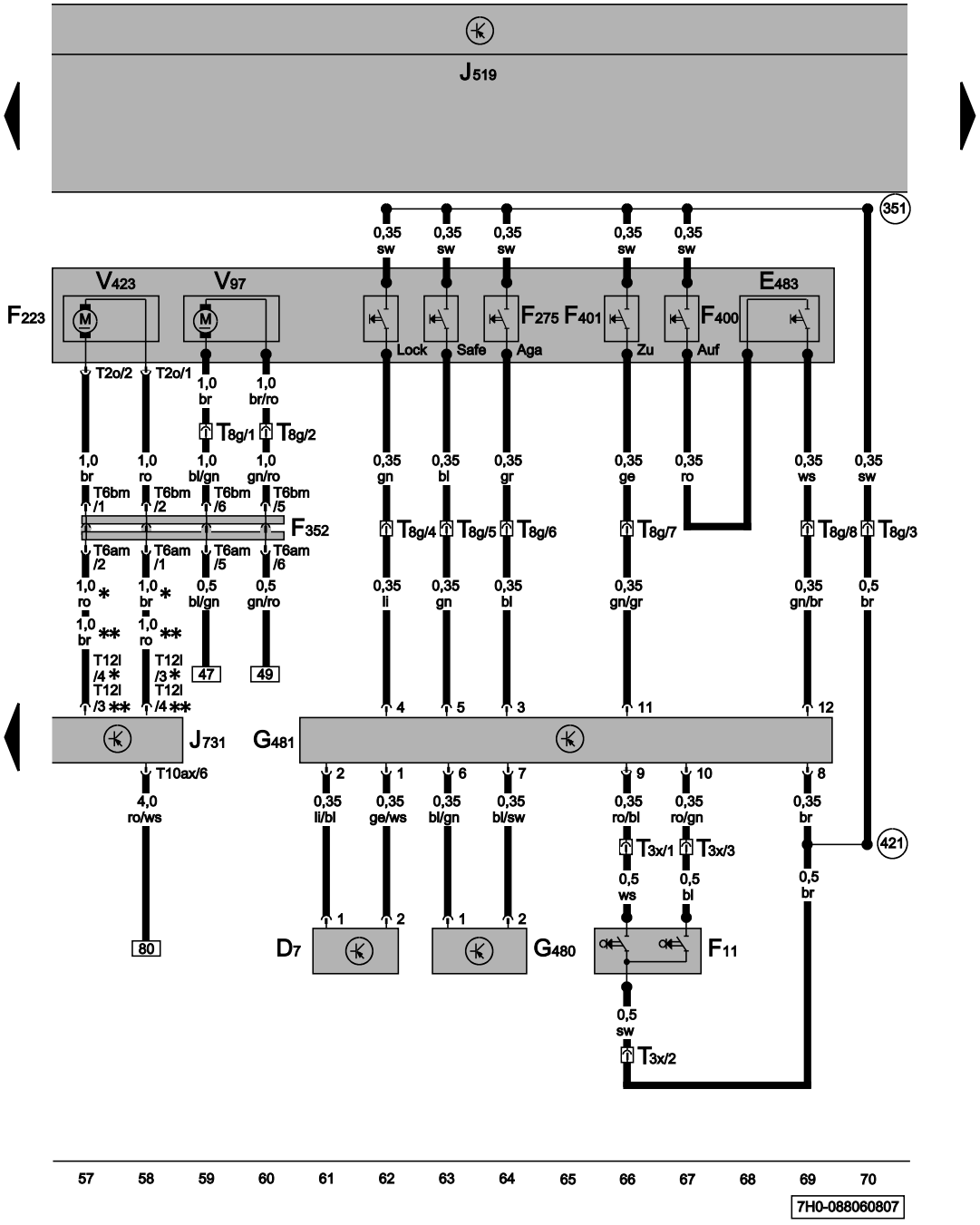
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or	=	orange
rs	=	pink



Right sliding door reader coil, sliding door opening motor, sliding door power latching motor, right sliding door control unit

D6	Right sliding door reader coil
F341	Rear right door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2an	2-pin connector, black, under roof, near right B-pillar
T4am	4-pin connector, black, on right C-pillar
T6aj	6-pin connector
T6ak	6-pin connector
T10au	10-pin connector, black, coupling station under front passenger seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10ax	10-pin connector
T12b	12-pin connector
T12l	12-pin connector
T18	18-pin connector, black
V293	Sliding door opening motor
V324	Sliding door power latching motor
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar

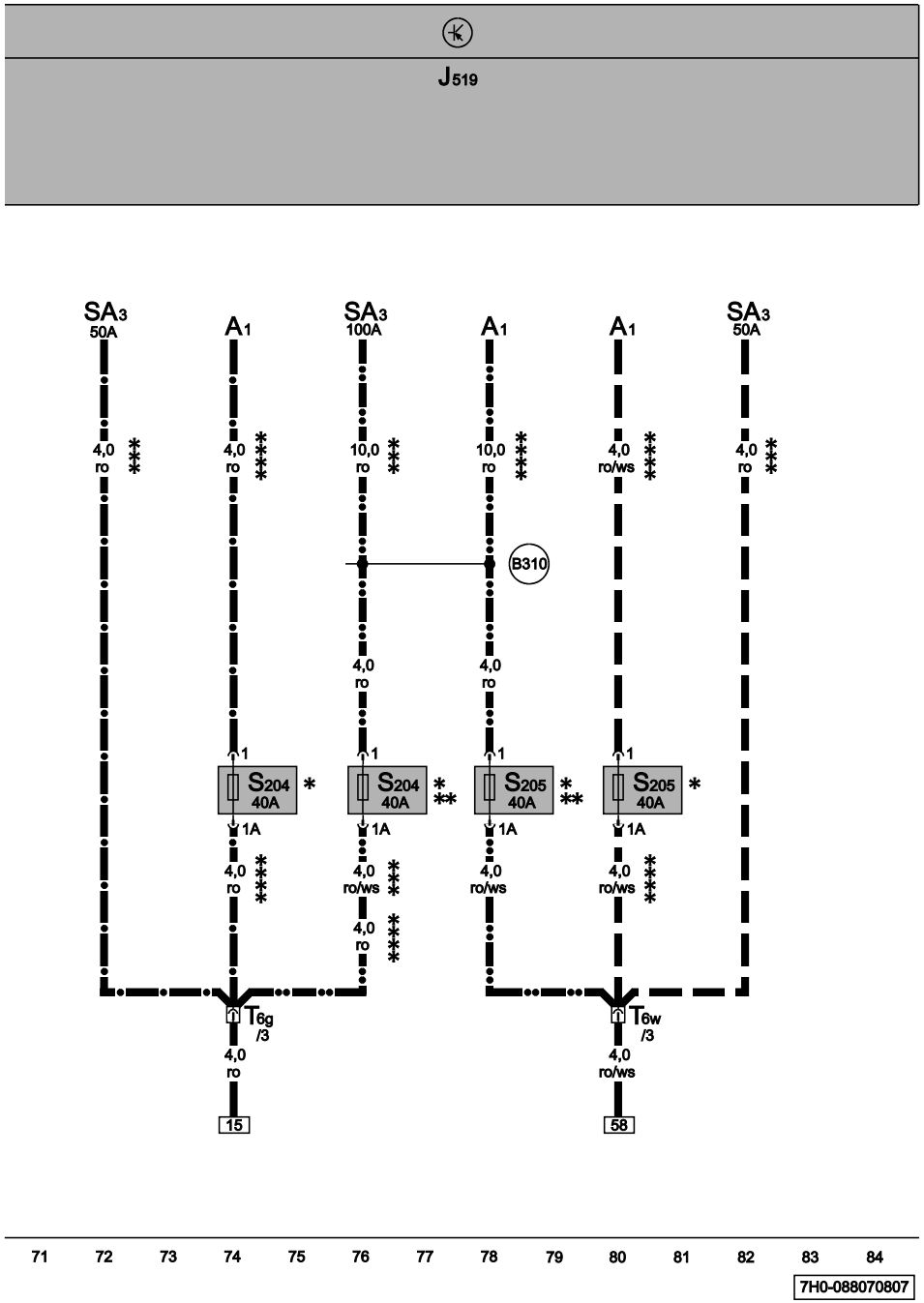
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or	=	orange
rs	=	pink



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sender unit and right sliding door control unit

D7	Right sliding door solenoid coil
E483	Right childproof lock switch
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F352	Right sliding door contact strip
F400	Interior door handle switch for opening rear right door
F401	Interior door handle switch for closing rear right door
G480	Right anti-trapping sensor
G481	Right electric sliding door sender unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2o	2-pin connector
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T8g	8-pin connector
T10ax	10-pin connector
T12l	12-pin connector
V97	Rear right door central locking motor
V423	Rear right rotary latch motor
351	Earth connection 2, in rear right door wiring harness
421	Earth connection 1, in right sliding door wiring harness
*	applicable up to January 2004
**	applicable from February 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuse 3 on fuse holder battery, second battery, fuse 1 (30), fuse 2 (30)

A1	Second battery
J519	Onboard supply control unit
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations
**	on relay carrier (2) cockpit ⇒ Fitting Locations
***	for models without second battery only
****	for models with second battery only
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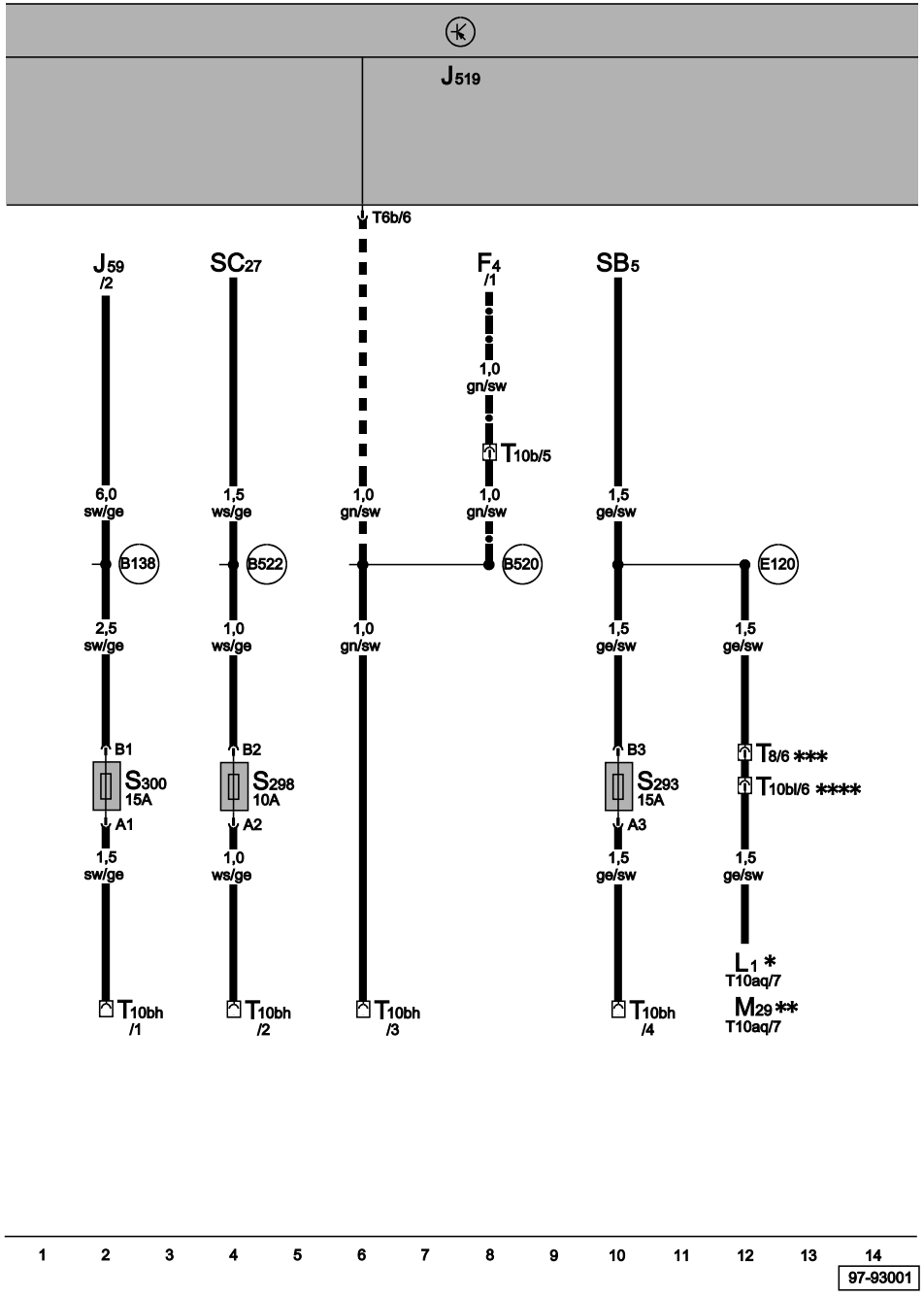
Electric interface (UF1)

⇒ **for external use**
⇒ **for special vehicles**
from September 2003

Notes:
For information concerning
- Position of relays and fuses
- Connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

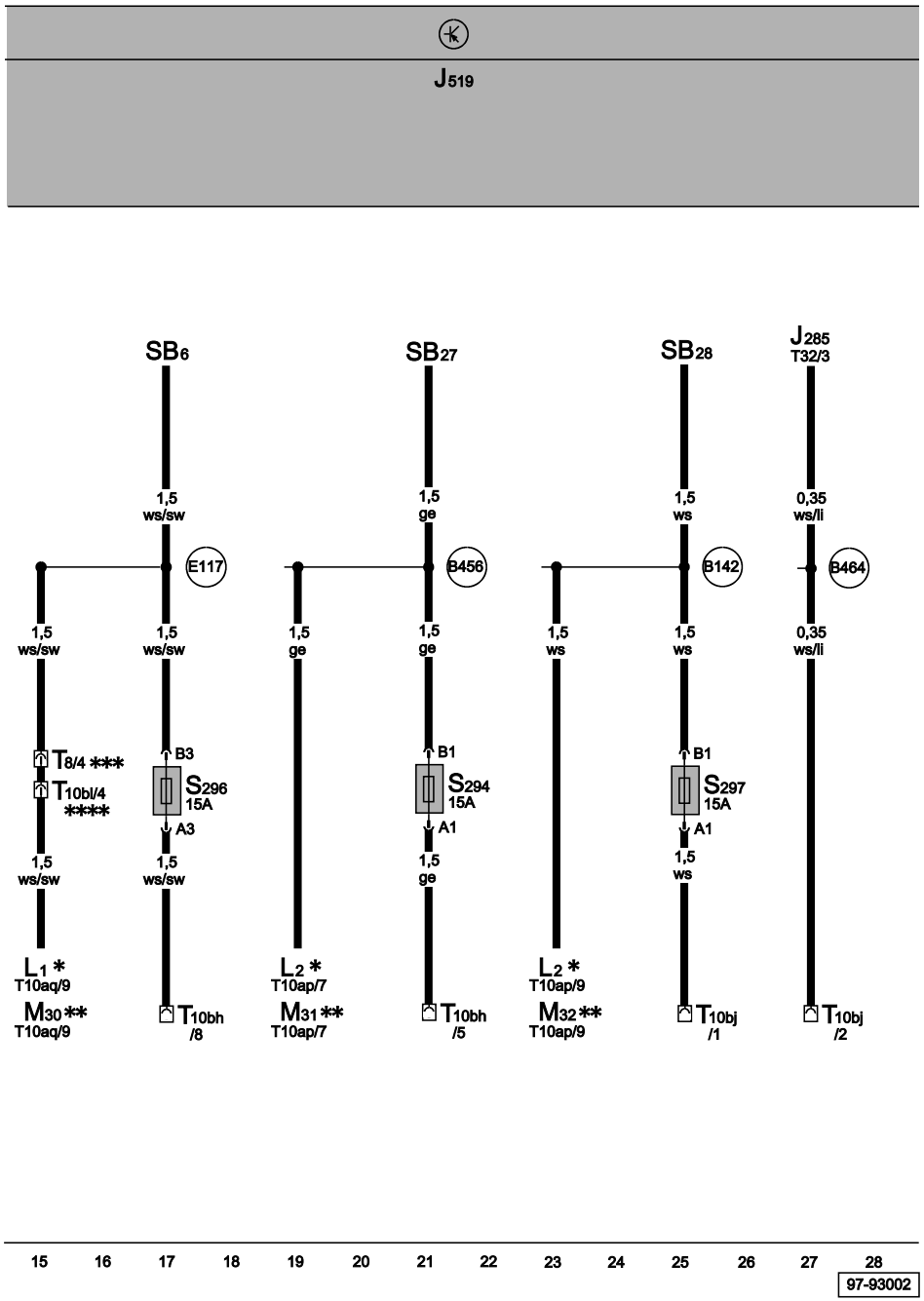


Electric interface

F4	Reversing light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M29	Left dipped beam bulb
S293	Special vehicle fuse 3
S298	Special vehicle fuse 8
S300	Special vehicle fuse 10
SB5	Fuse 5 on fuse holder B
SC27	Fuse 27 on fuse holder C
T6b	6-pin connector, red
T8	8-pin connector, near front right headlight
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
B138	Positive connection (X), in interior wiring harness
B520	Connection (RL), in main wiring harness
B522	Connection (FL), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	not for multivan
**	For Multivan only
***	applicable up to December 2004
****	applicable from January 2005

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for models with manual gearbox only

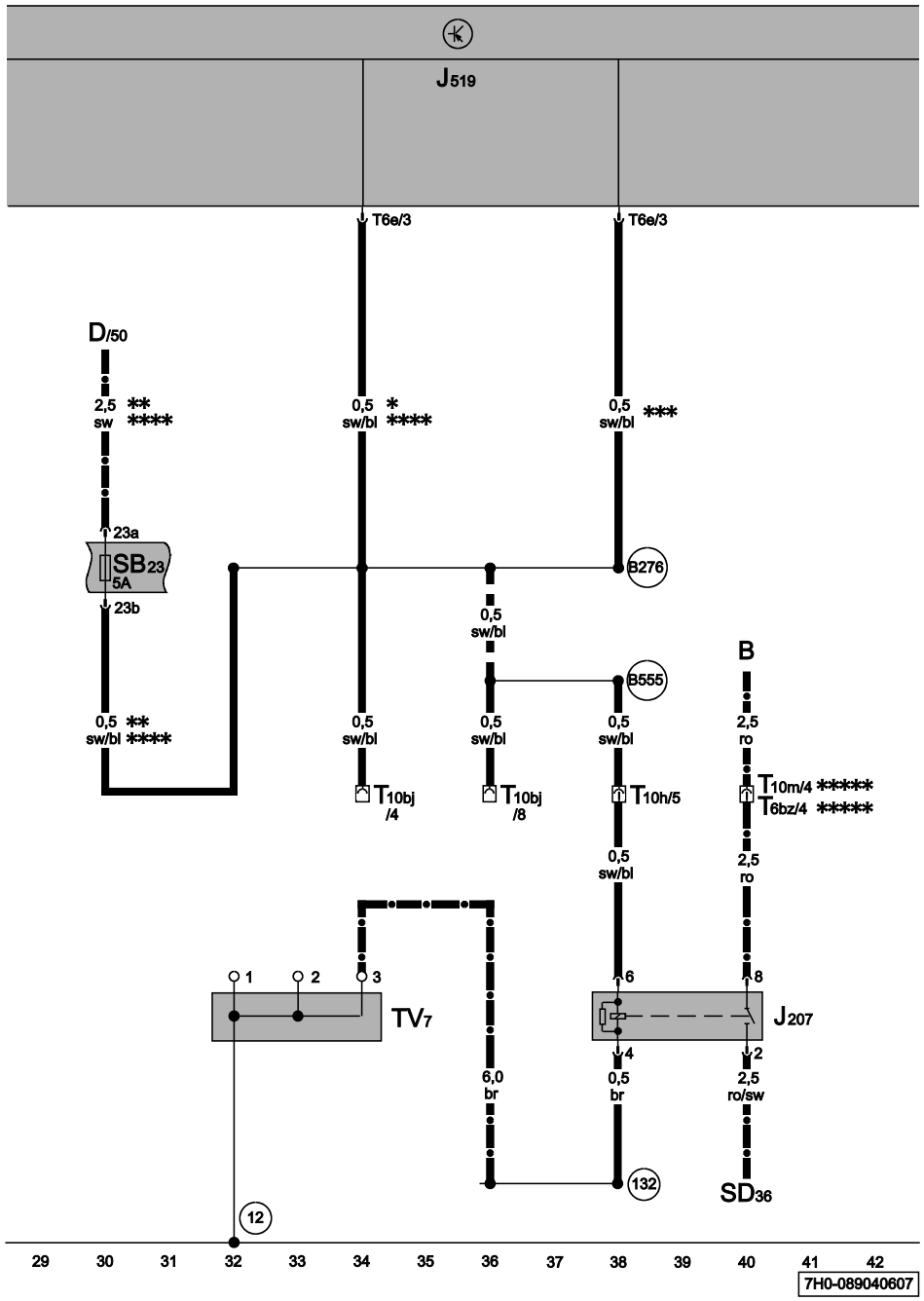
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for models with automatic gearbox only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

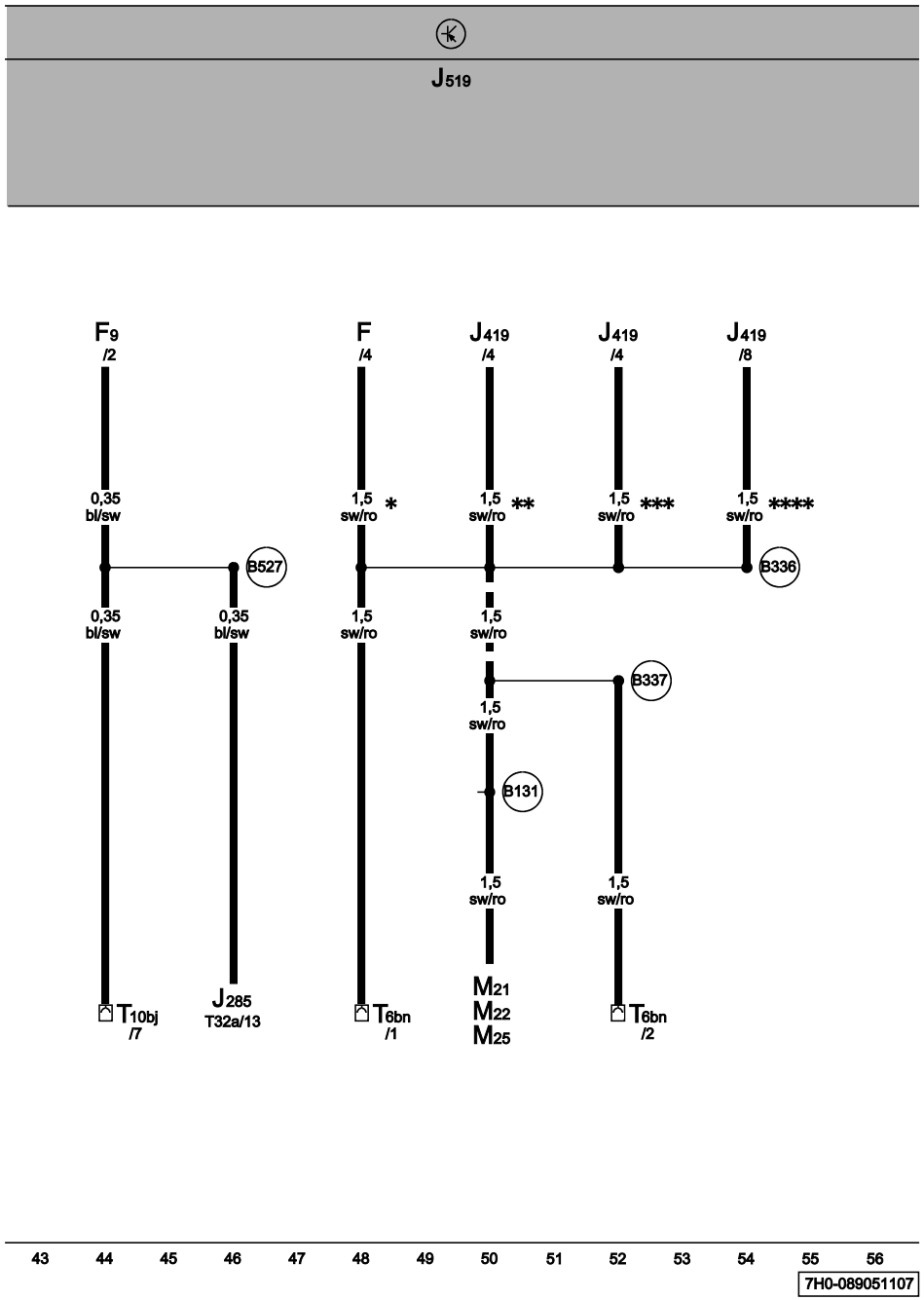
Electric interface

J285	Control unit in dash panel insert
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
S294	Special vehicle fuse 4
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8	8-pin connector, near front right headlight
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
B142	Positive connection 2 (56a), in interior wiring harness
B456	Connection (56b), in main wiring harness
B464	Connection (speed signal), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	not for multivan
**	For Multivan only
***	applicable up to December 2004
****	applicable from January 2005



Electric interface

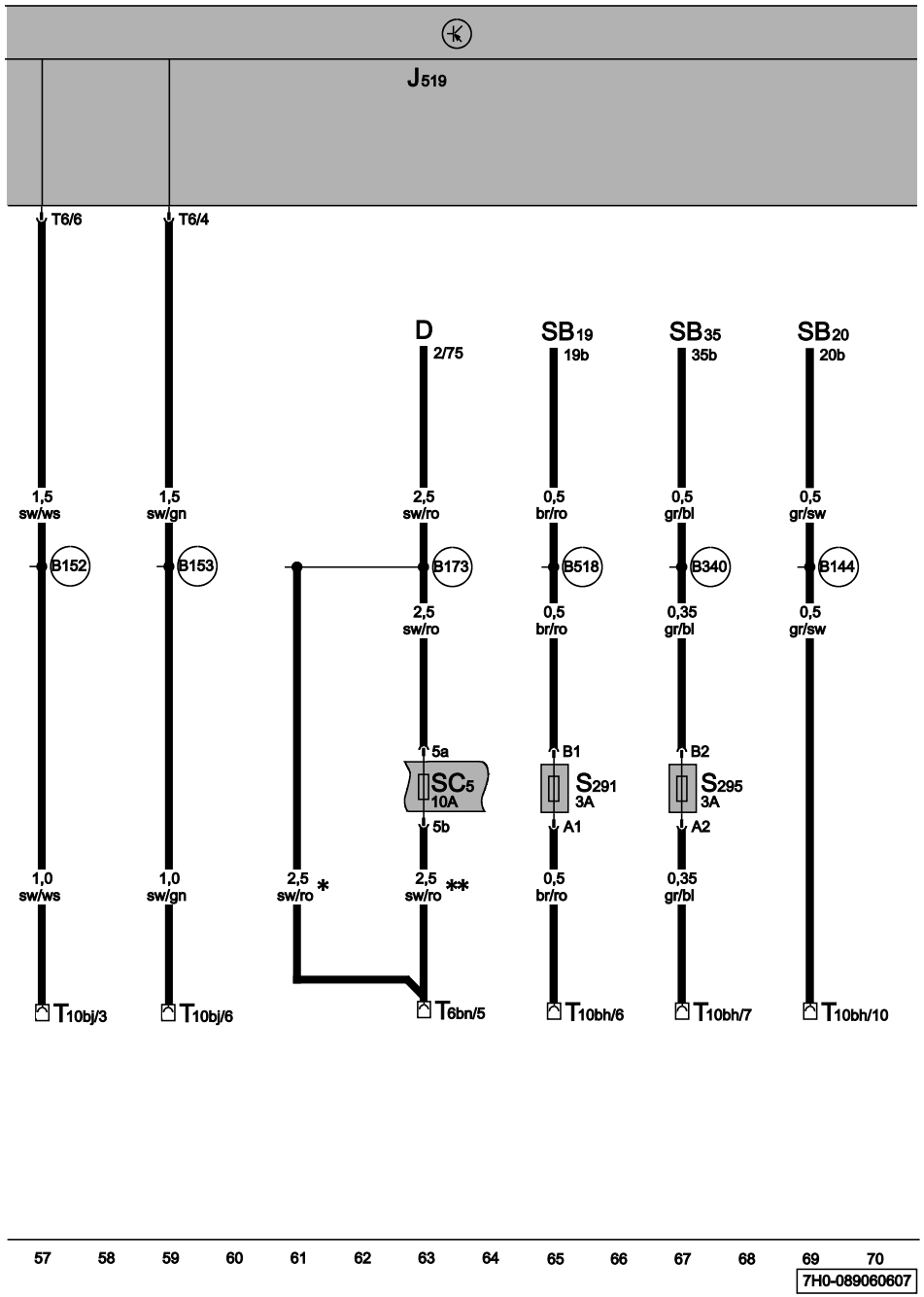
B	Starter
D	Ignition/starter switch
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
SD36	Fuse 36 on fuse holder D
T6e	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	applicable up to January 2004
****	applicable from February 2004
*****	Depends on equipment
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<fo:external-graphic src="/../PDOC/	Wire could be cut by special vehicle manufacturer



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electric interface

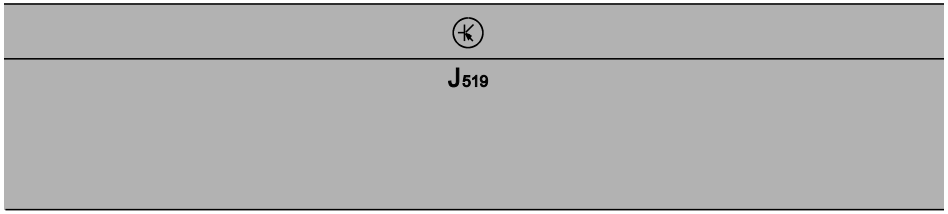
F	Brake light switch
F9	Handbrake warning switch
J285	Control unit in dash panel insert
J419	Brake light additional relay
J519	Onboard supply control unit
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
M25	High level brake light bulb
T6bn	6-pin connector, grey, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
T32a	32-pin connector, green
B131	Connection (54), in interior wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
B527	Connection (handbrake), in main wiring harness
*	for models without ESP only
**	applicable up to May 2004, for models with ESP only
***	applicable from June 2004, for models with ESP and without towing coupling only (1D0)
****	applicable from June 2004, for models with ESP and towing coupling only (1D1/1D2)
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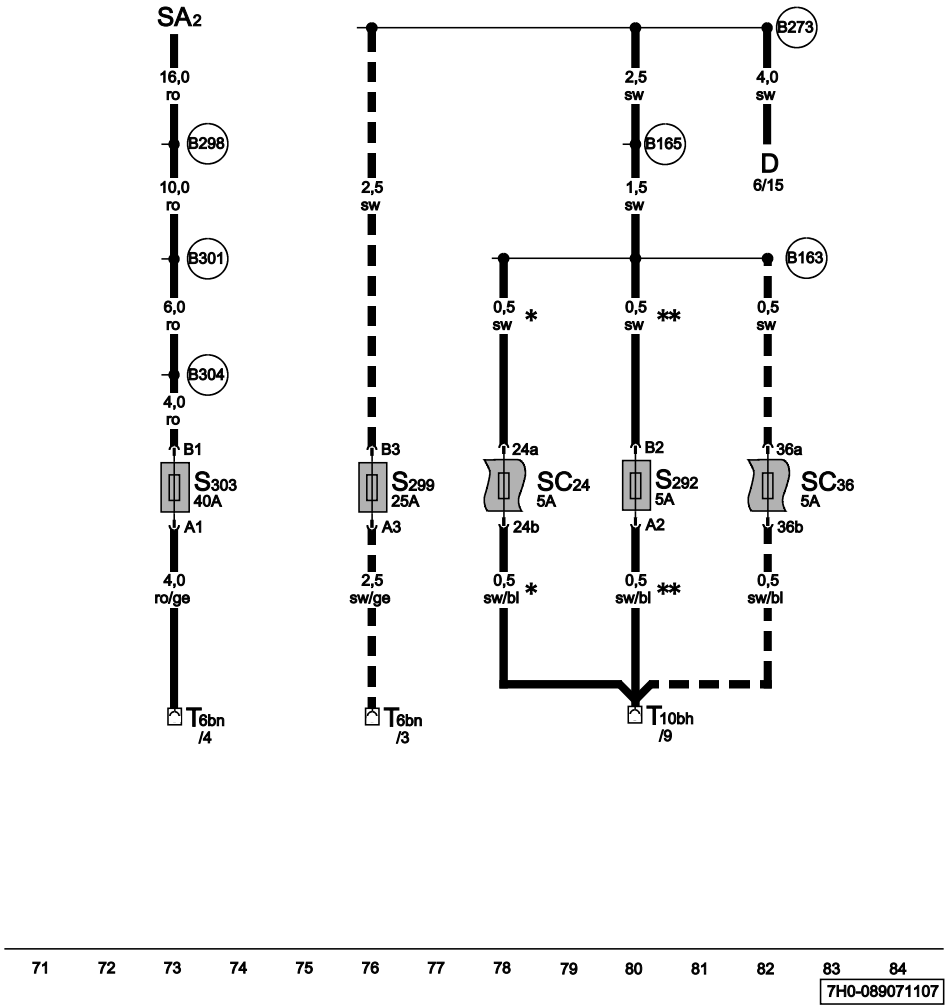


Electric interface

D	Ignition/starter switch
S291	Special vehicle fuse 1
S295	Special vehicle fuse 5
SB19	Fuse 19 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC5	Fuse 5 on fuse holder C
T6	6-pin connector, black
T6bn	6-pin connector, grey, coupling station under driver seat
T10bh	10-pin connector, purple, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
B144	Positive connection (58L), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
B518	Connection (86s), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





ws = white
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electric interface

D	Ignition/starter switch
S292	Special vehicle fuse 2
S299	Special vehicle fuse 9
S303	Special vehicle fuse 13
SA2	Fuse 2 on fuse holder A
SC24	Fuse 24 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6bn	6-pin connector, grey, coupling station under driver seat
T10bh	10-pin connector, purple, coupling station under driver seat
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	applicable up to January 2004
**	applicable in February 2004
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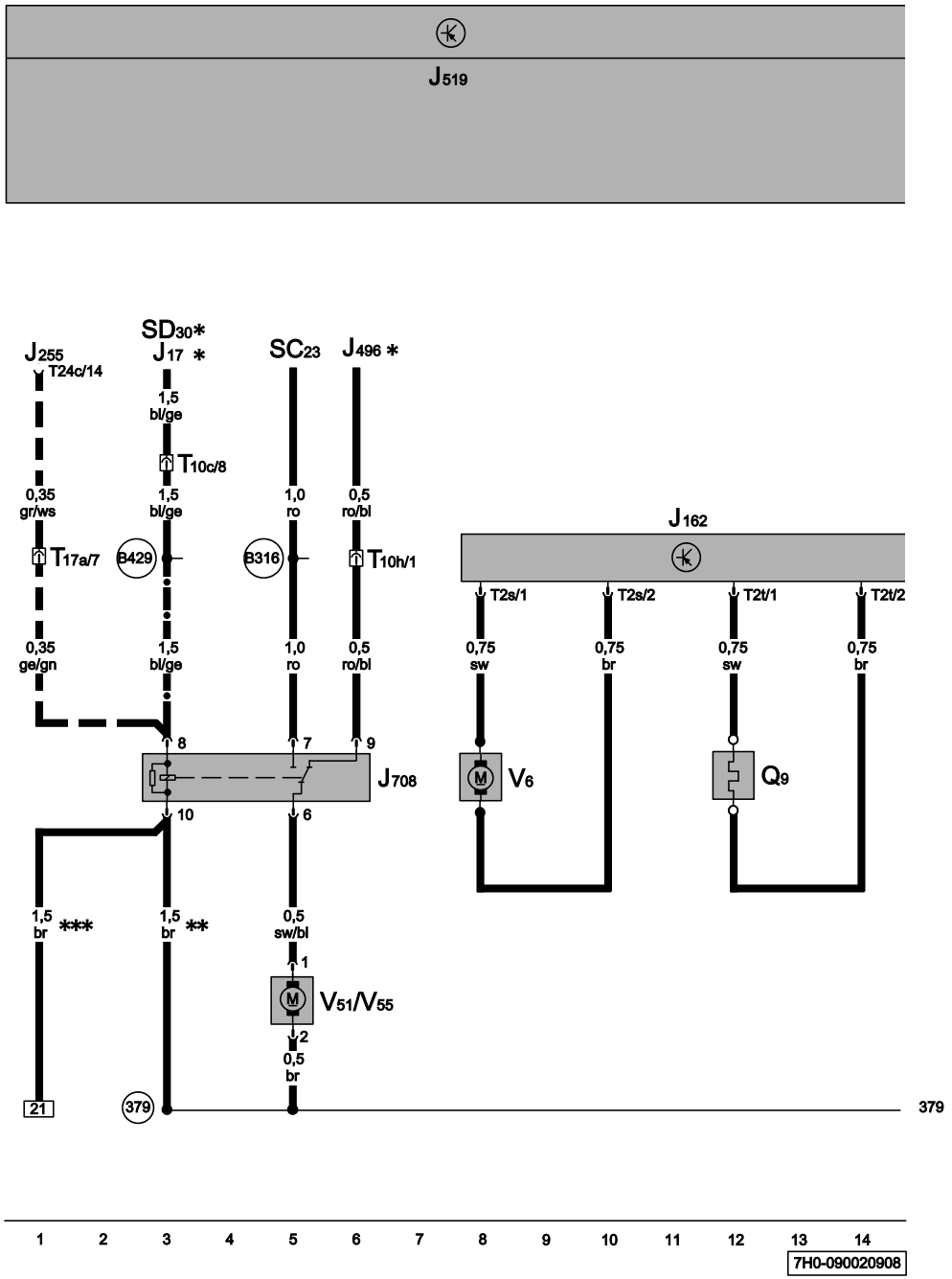
Auxiliary coolant heater

⇒ **without remote control receiver/ preselection clock (9M5)**
⇒ **with remote control receiver/ preselection clock (7VF/7VG)**
⇒ **Utilisation of residual heat**
from June 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

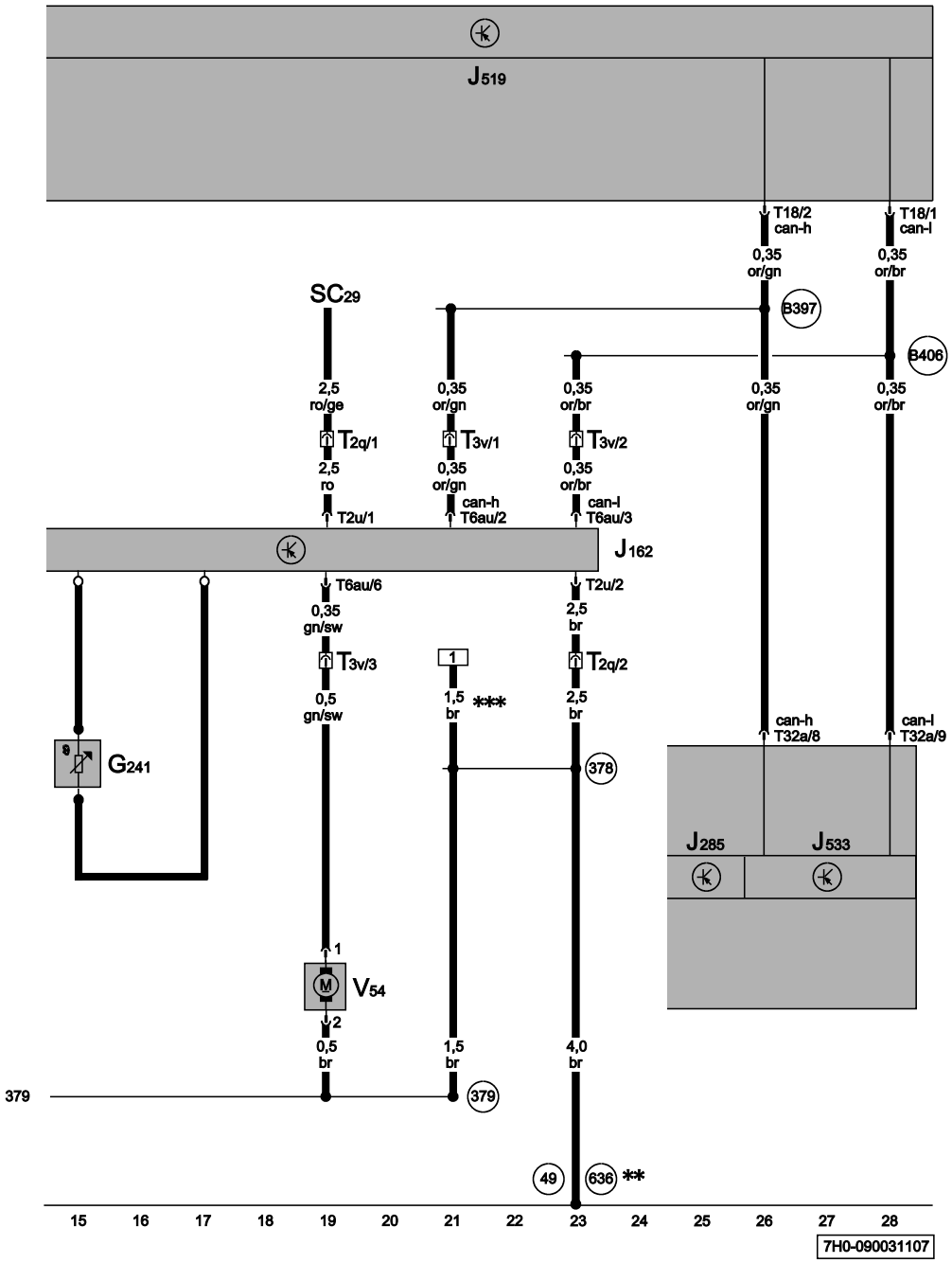


Heater control unit, residual heat relay, circulation pump, glow plug for heater, combustion air blower

J17	Fuel pump relay
J162	Heater control unit
J255	Climatronic control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
J708	Residual heat relay
Q9	Glow plug for heater
SC23	Fuse 23 on fuse holder C
SD30	Fuse 30 on fuse holder D
T2s	2-pin connector
T2t	2-pin connector
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V6	Combustion air blower
V51	Continued coolant circulation pump
V55	Circulation pump
379	Earth connection 14, in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B429	Connection (EFPR), in main wiring harness
*	⇒ engine Current Flow Diagram
**	applicable up to May 2005
***	applicable from June 2005

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for models without Climatronic only

<fo:external-graphic src="../
for models with Climatronic only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, coolant temperature sender, heater, metering pump, control unit with display in dash panel insert

G241	Coolant temperature sender for heater
J162	Heater control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T3v	3-pin connector, black, on underbody, next to the auxiliary heater
T6au	6-pin connector, black
T18	18-pin connector, black
T32a	32-pin connector, green
V54	Metering pump
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
**	applicable from January 2006
***	applicable from June 2005

Utilisation of residual heat, without auxiliary coolant heater/auxiliary air heater (9M0), from June 2004, heating support when driving, without auxiliary coolant heater (7VA/7VM)

from June 2004

Notes:

For information concerning

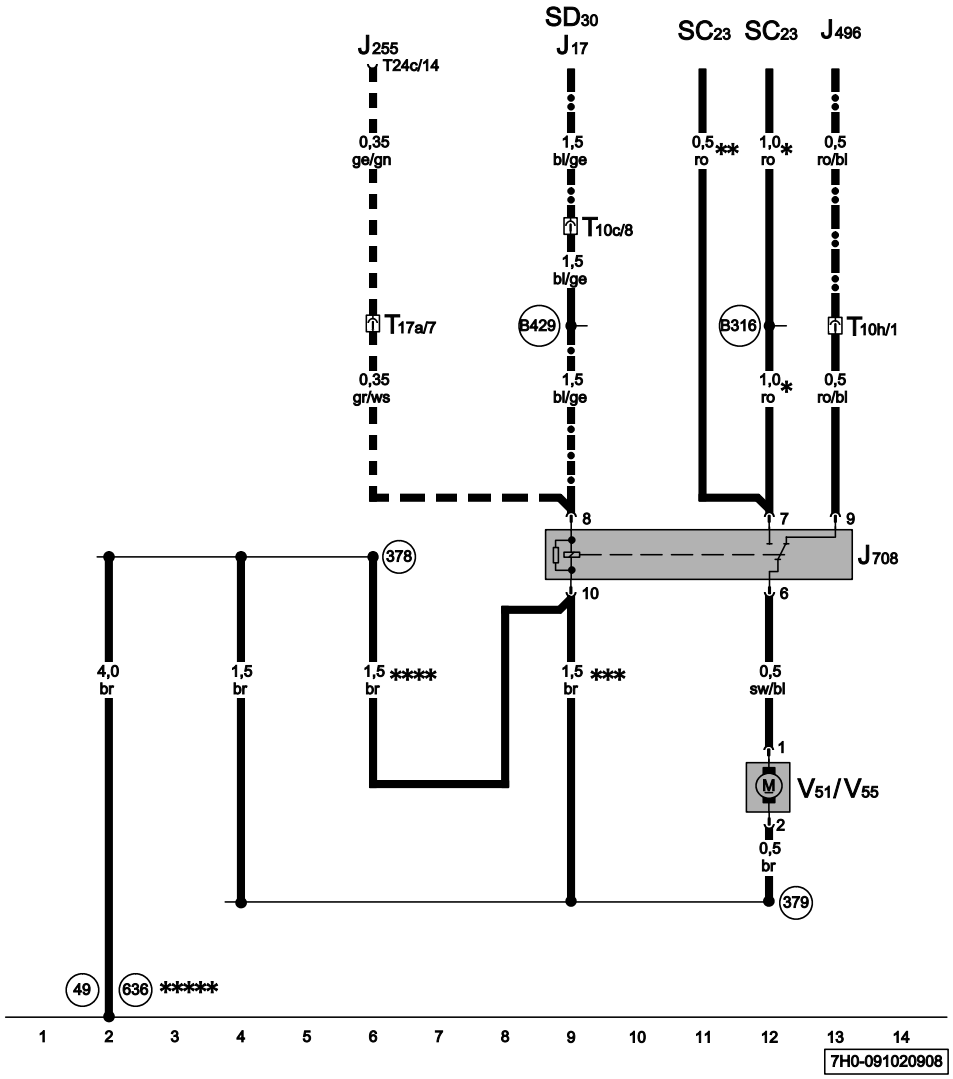
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Residual heat relay, additional coolant pump relay, circulation pump, continued coolant circulation pump

J17	Fuel pump relay
J255	Climatronic control unit
J496	Additional coolant pump relay
J708	Residual heat relay
SC23	Fuse 23 on fuse holder C
SD30	Fuse 30 on fuse holder D
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V51	Continued coolant circulation pump
V55	Circulation pump
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
B316	Positive connection 2 (30a), in main wiring harness
B429	Connection (EFPR), in main wiring harness
*	for models with auxiliary air heater only
**	for models without auxiliary air heater only
***	applicable up to May 2005
****	applicable from June 2005
*****	applicable from January 2006
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tools/
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sw	=	black
ro	=	red
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bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

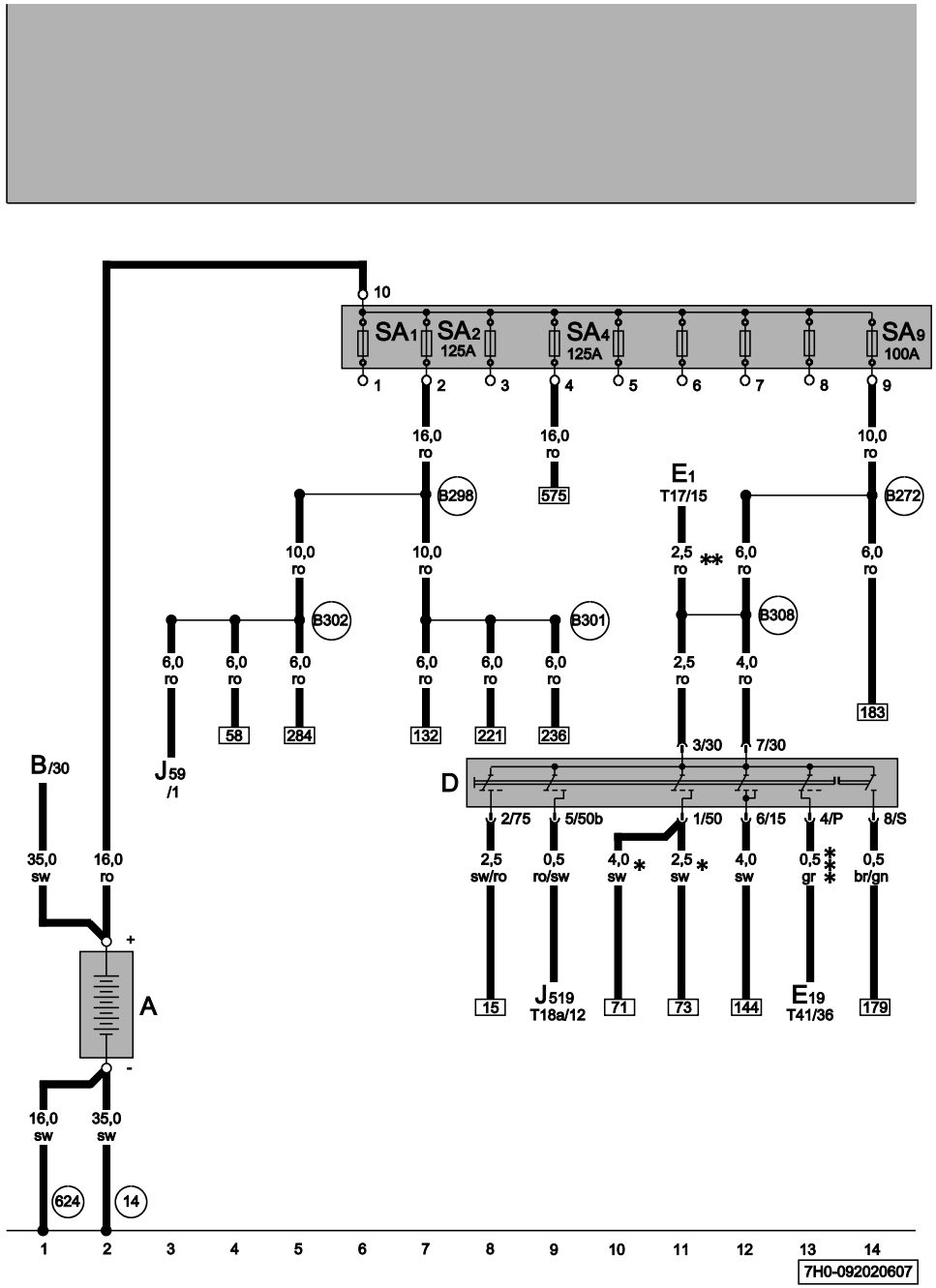
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

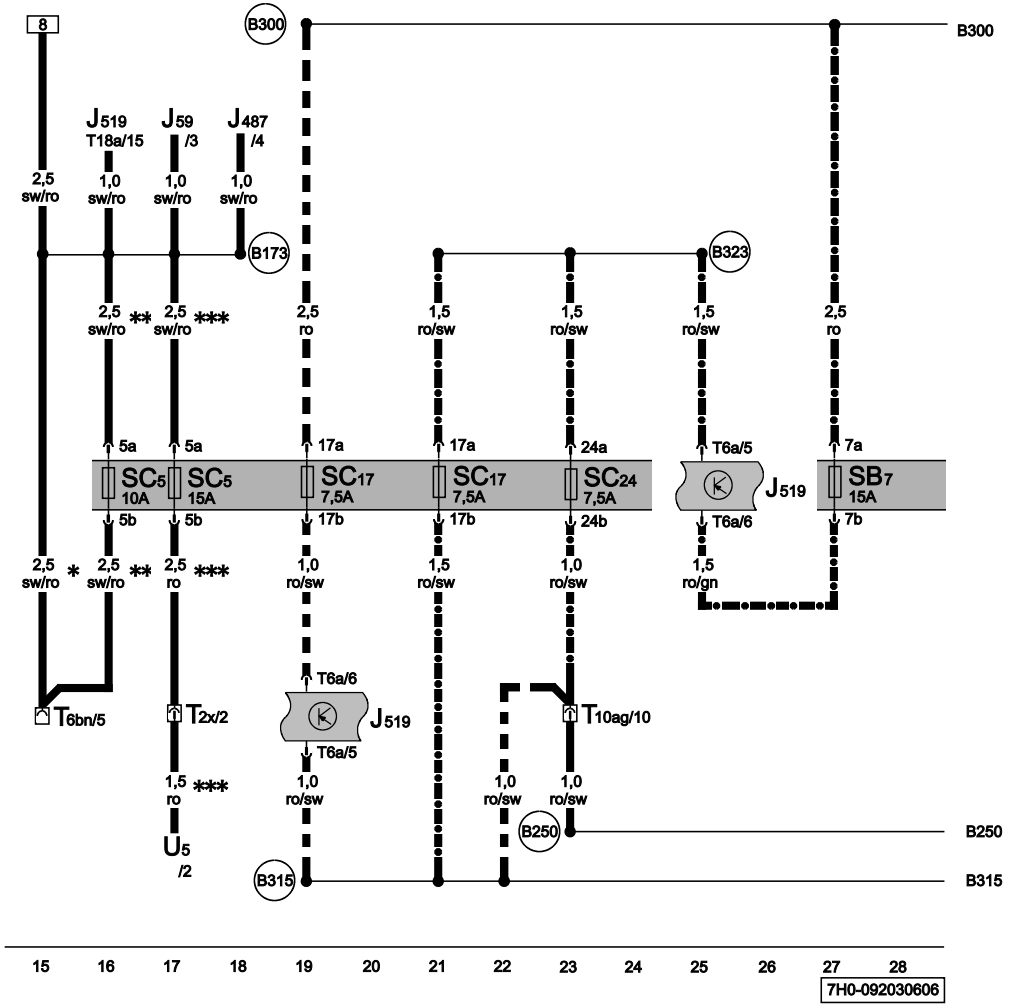
⇒ guided fault finding



Battery, starter, ignition/starter switch, fuses SA1, SA2, SA4 and SA9

A	Battery
B	Starter
D	Ignition/starter switch
E1	Light switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA9	Fuse 9 on fuse holder A
T17	17-pin connector
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	depends on equipment
**	applicable from April 2004
***	for models without day driving light only

ws	=	white
sw	=	black
ro	=	red
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



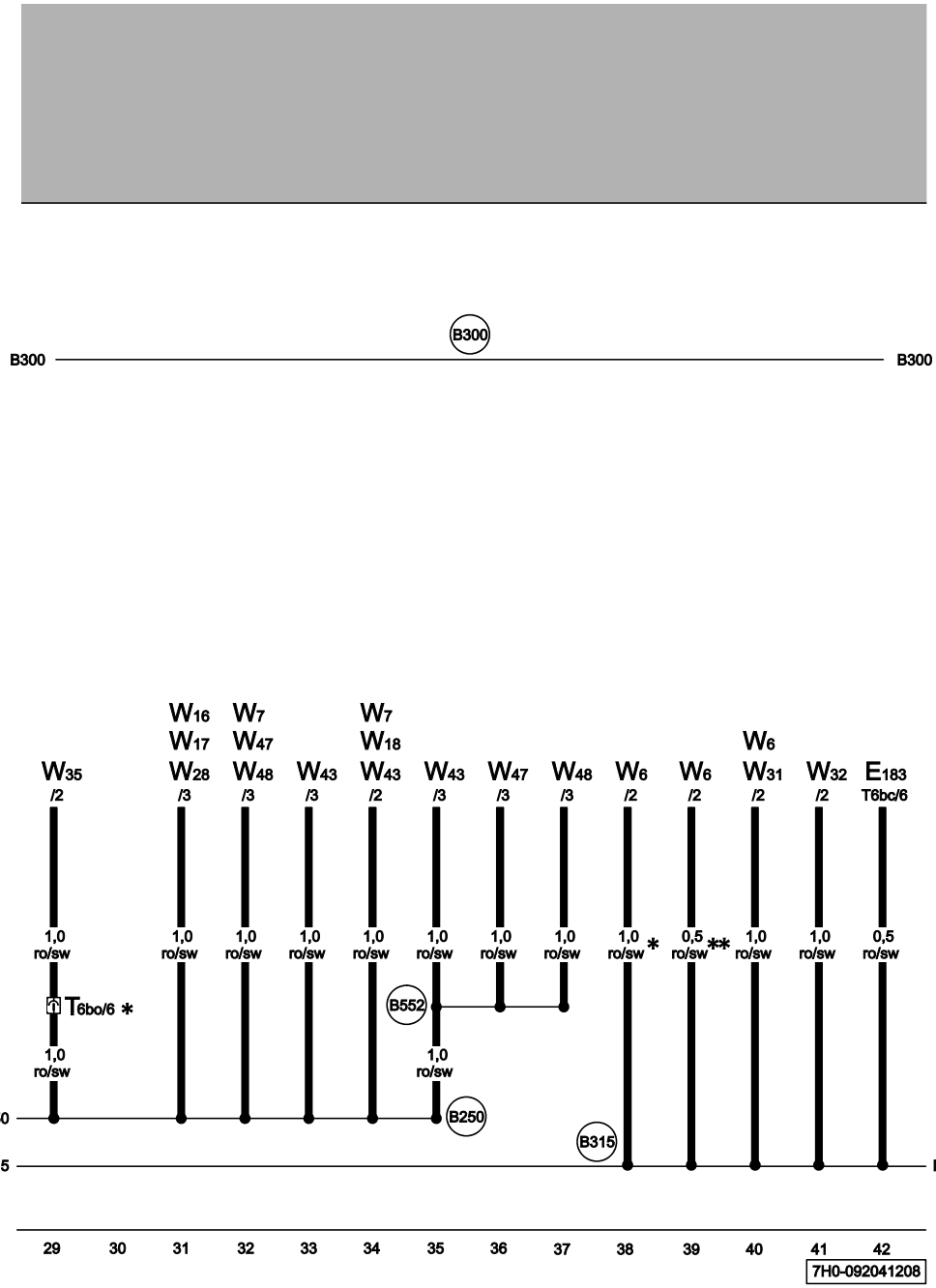
Fuses SB7, SC5, SC17 and SC24

J59	X-contact relief relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T2x	2-pin connector, black, under front passenger seat
T6a	6-pin connector, brown
T6bn	6-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
U5	12 V socket
B173	Positive connection 2 (X), in interior wiring harness
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	for models without electric interface only, applicable up to May 2004
**	for models without electric interface only, applicable from June 2004
***	for models with refrigerator box only, applicable up to May 2004
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ro	=	red
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bl	=	blue
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rs	=	pink

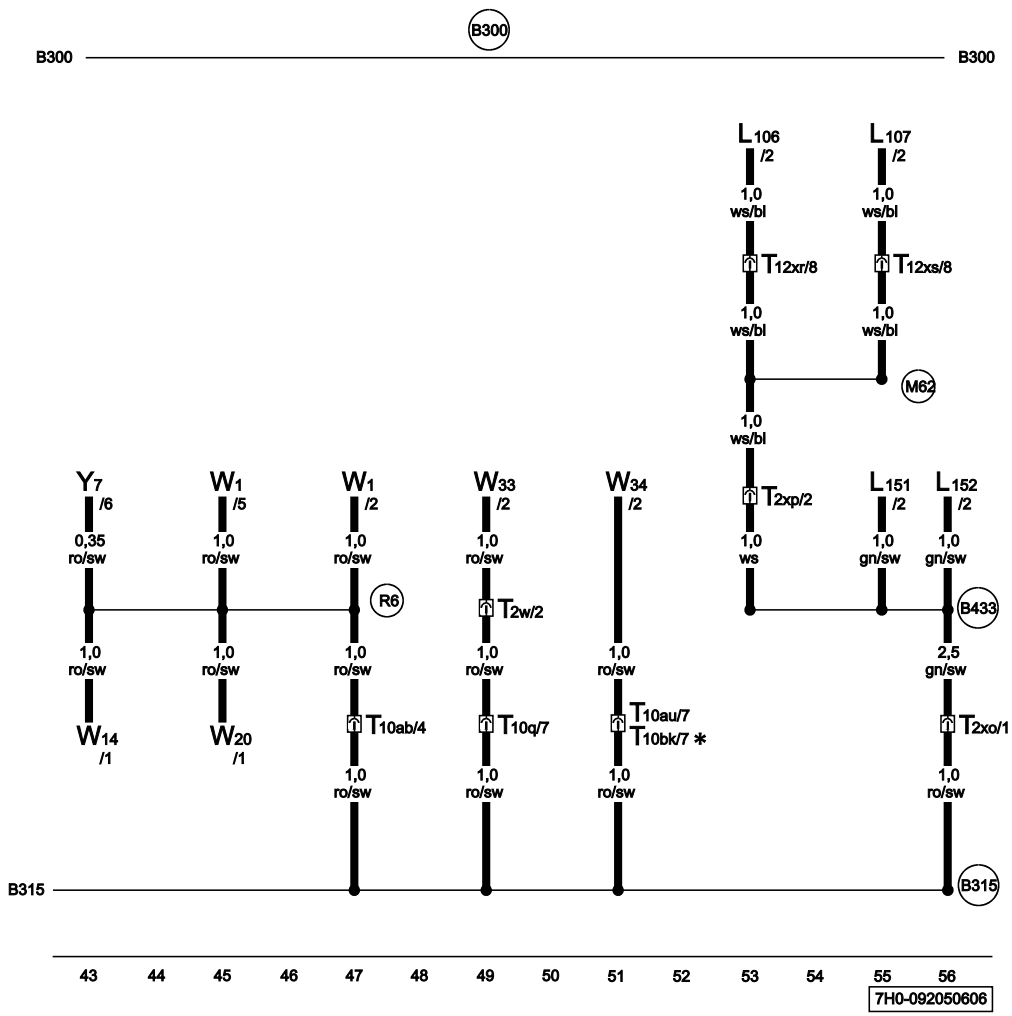
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

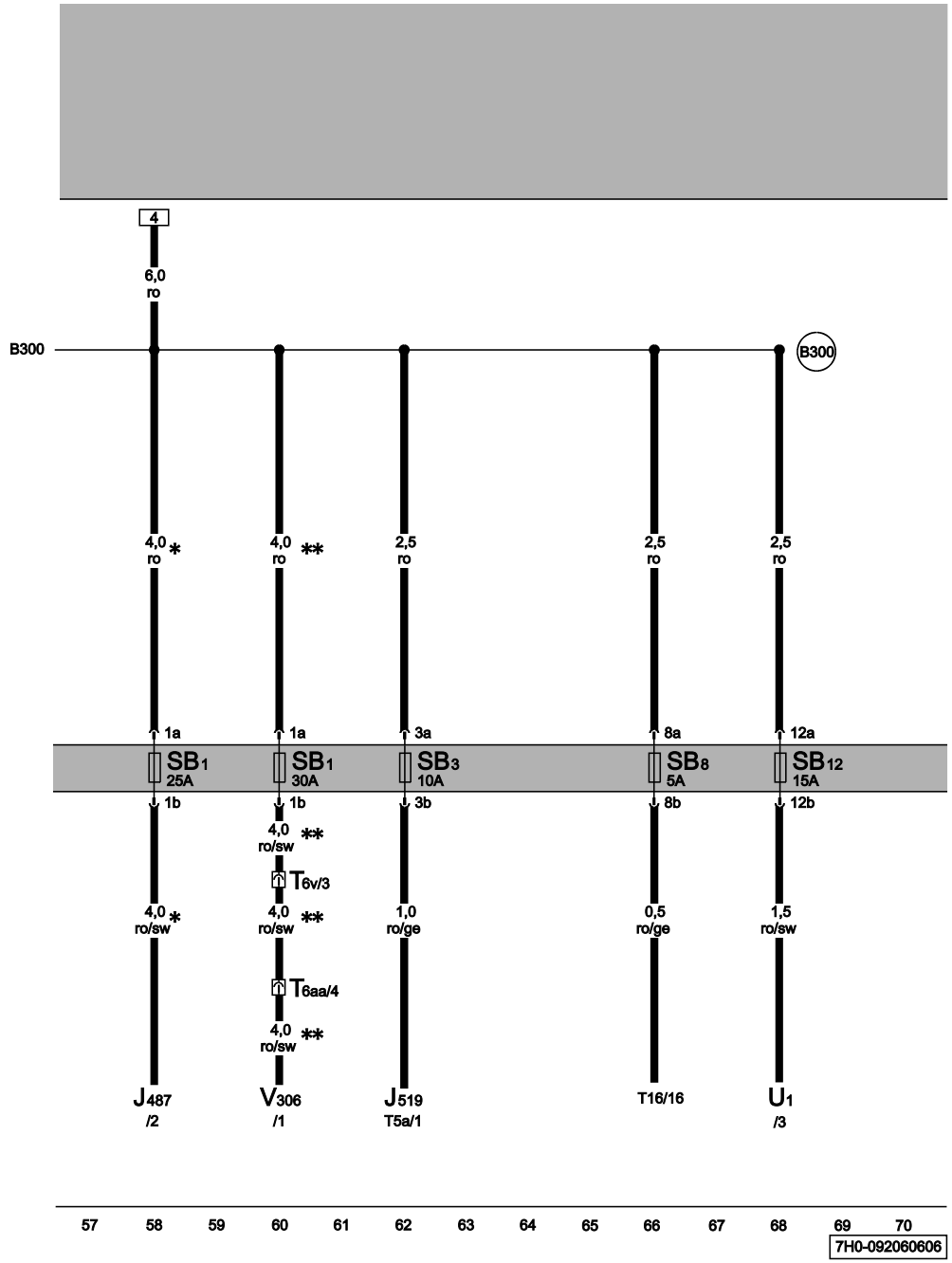
E183	Interior monitor deactivation switch
W6	Glove compartment light
W7	Centre interior light
W16	Left interior light
W17	Right interior light
W18	Luggage compartment light on left
W28	Front interior light in high roof
W31	Front left entry light
W32	Front right entry light
W35	Right luggage compartment light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
T6bo	6-pin connector, green, coupling station on left of D-pillar
T6bc	6-pin connector, blue
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness
*	applicable up to December 2004
**	applicable from January 2005



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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

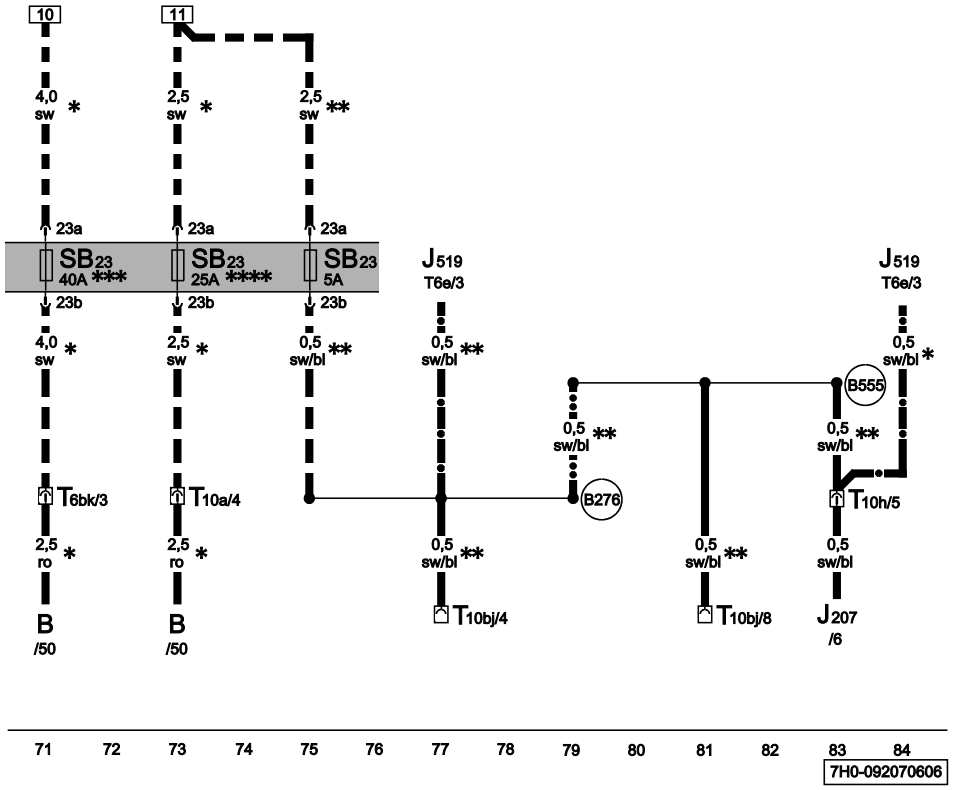
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
T2w	2-pin connector, black, lower left B-pillar
T2xo	2-pin connector
T2xp	2-pin connector
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12xr	12-pin connector
T12xs	12-pin connector
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness
*	applicable from January 2005



Fuses SB1, SB3, SB8 and SB12

J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5a	5-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
V306	Rear blower Bitron regulation motor
B300	Positive connection 4 (30), in main wiring harness
*	for models without Climatronic only
**	for models with Climatronic only

ws	=	white
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br	=	brown
gn	=	green
bl	=	blue
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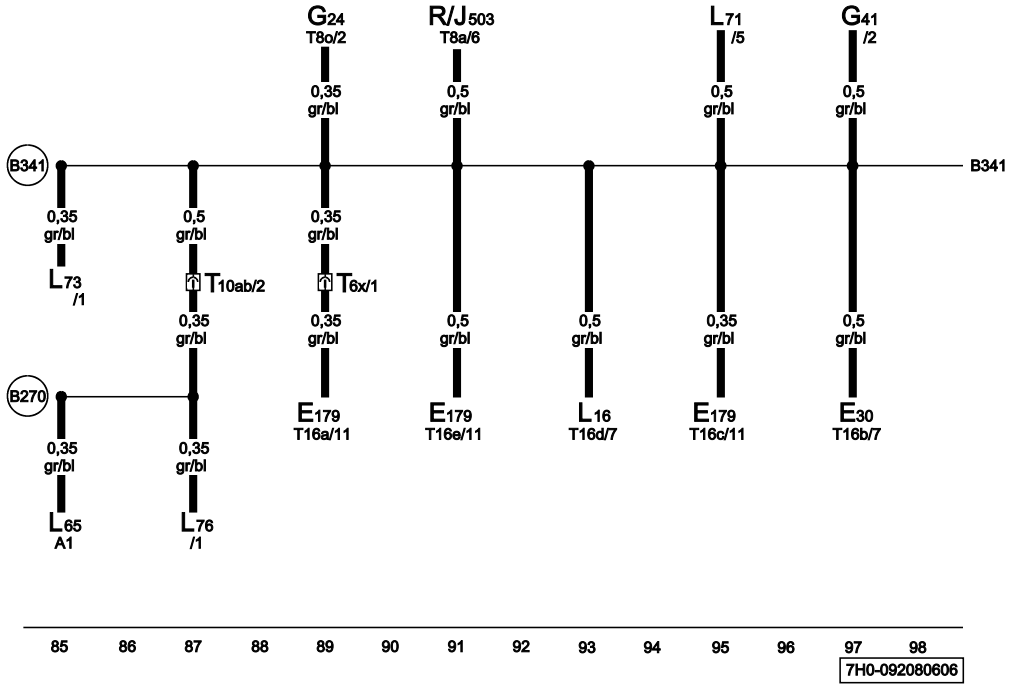
Fuses SB23

B	Starter
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
T6e	6-pin connector, red
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models without electric interface only
**	for models with electric interface only
***	applicable from June 2004 up to December 2004
****	Fuses increased to 30A, applicable from January 2006
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox only
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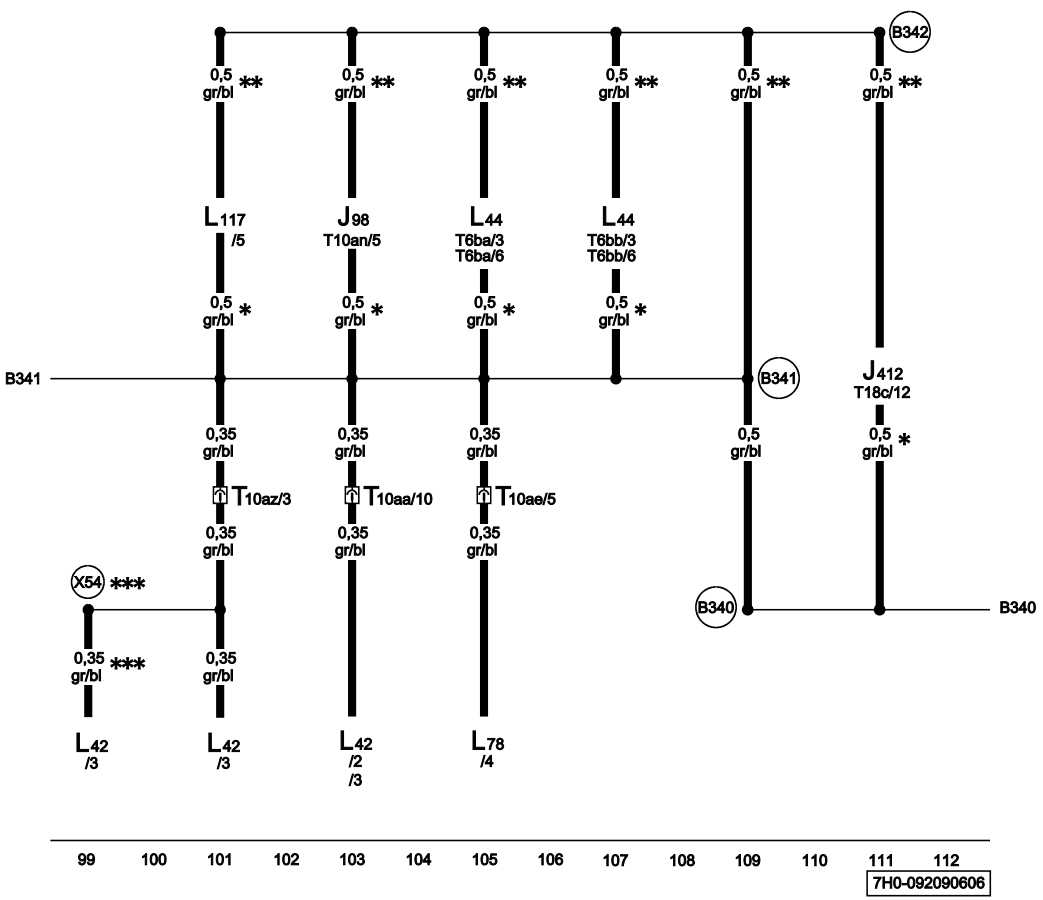
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G24	Tachograph
G41	Taxi meter
J503	Control unit with display for radio and navigation system
L16	Fresh air regulator illumination bulb
L65	Sliding sunroof switch illumination bulb
L71	Traction control switch illumination bulb
L73	Interior light switch illumination bulb (taxi)
L76	Button illumination bulb
R	Radio
T6x	6-pin connector, purple, coupling station under front passenger seat
T8a	8-pin connector, black
T8o	8-pin connector, white
T10ab	10-pin connector, white, coupling station on left of A-pillar
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
B270	Connection (58s), in roof wiring harness
B341	Connection 2 (58d), in main wiring harness



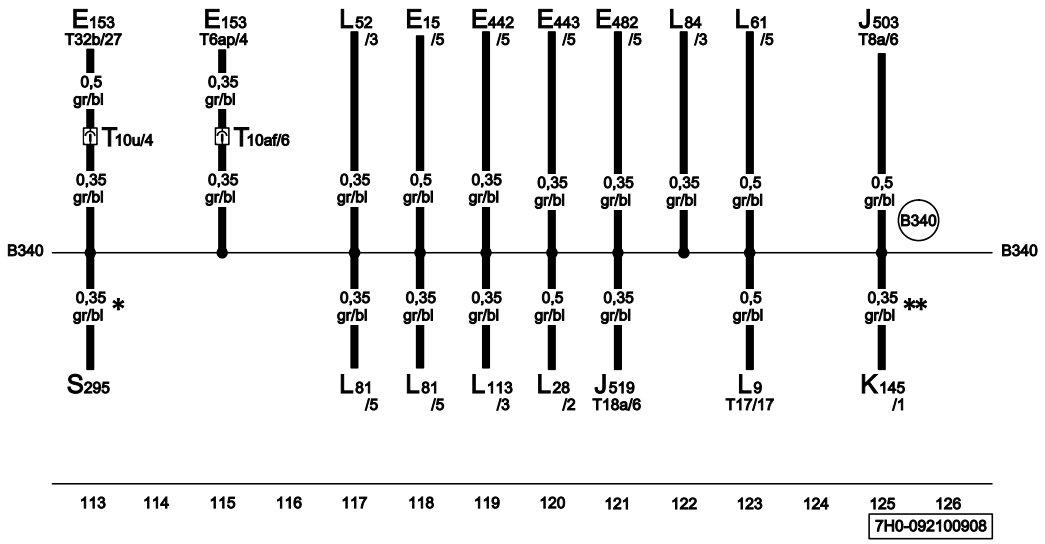
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Illumination

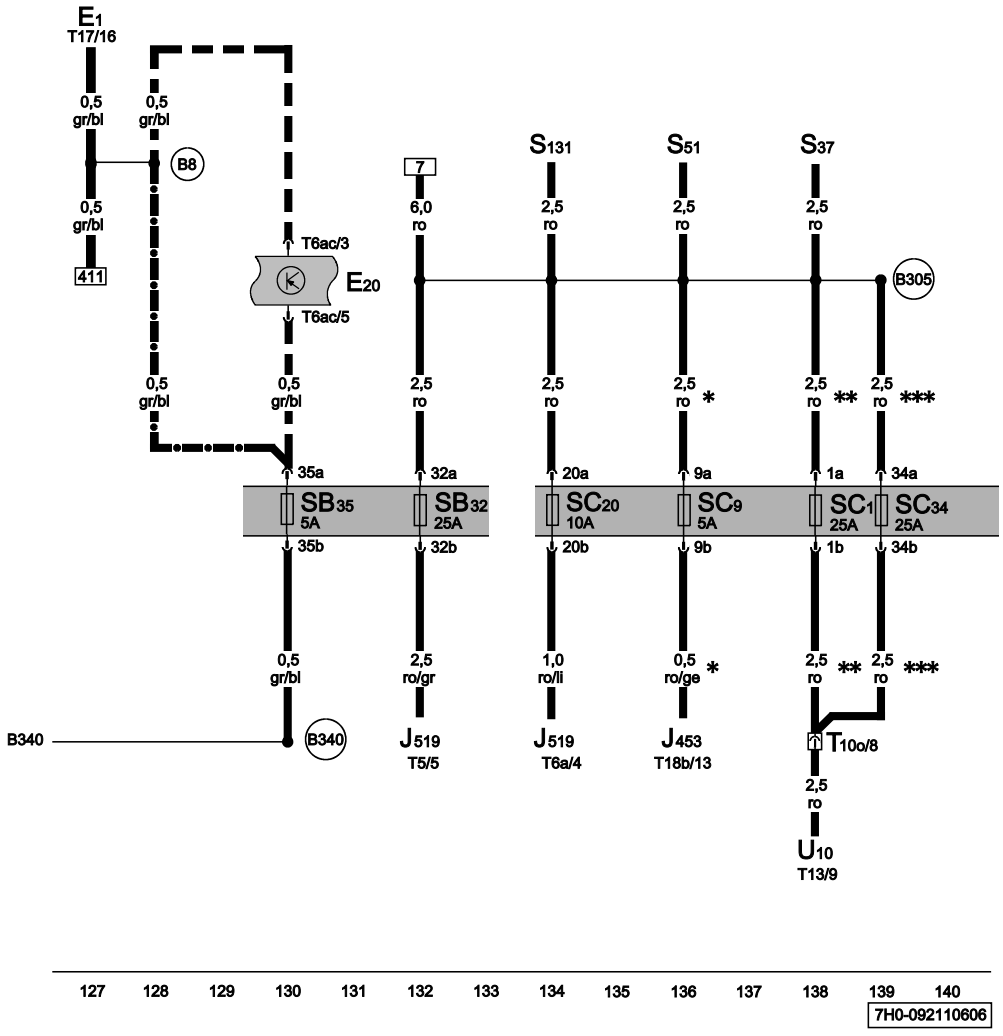
J98	Gearshift indicator control unit
J412	Mobile telephone operating electronics control unit
L42	Socket illumination bulb
L44	Seat heating switch illumination bulb
L78	Mirror adjustment switch illumination bulb
L117	Parking aid switch illumination bulb
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10an	10-pin connector, black
T10az	10-pin connector, white, coupling station under front passenger seat
T18c	18-pin connector, VDA connection
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
X54	Positive connection (58), in optional equipment wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	applicable up to April 2004

Illumination and fuse S295

E15	Heated rear window switch
E153	Operating and display unit for camping equipment
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
K145	Front passenger side airbag deactivated warning lamp
L9	Light switch illumination bulb
L28	Cigarette lighter illumination bulb
L52	Light connection for fader regulator
L61	Differential lock switch illumination bulb
L81	Roof ventilator switch illumination bulb
L84	Red Cross light switch illumination bulb
L113	Rotating light and siren switch illumination bulb
S295	Special vehicle fuse 5
T6ap	6-pin connector
T8a	8-pin connector, black
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T17	17-pin connector
T18a	18-pin connector, brown
T32b	32-pin connector, black
B340	Connection 1 (58d), in main wiring harness
*	for models with electric interface only
**	for models with key operated switch to deactivate front passenger side airbag only, applicable up to December 2005



ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
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ge	=	yellow
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rs	=	pink



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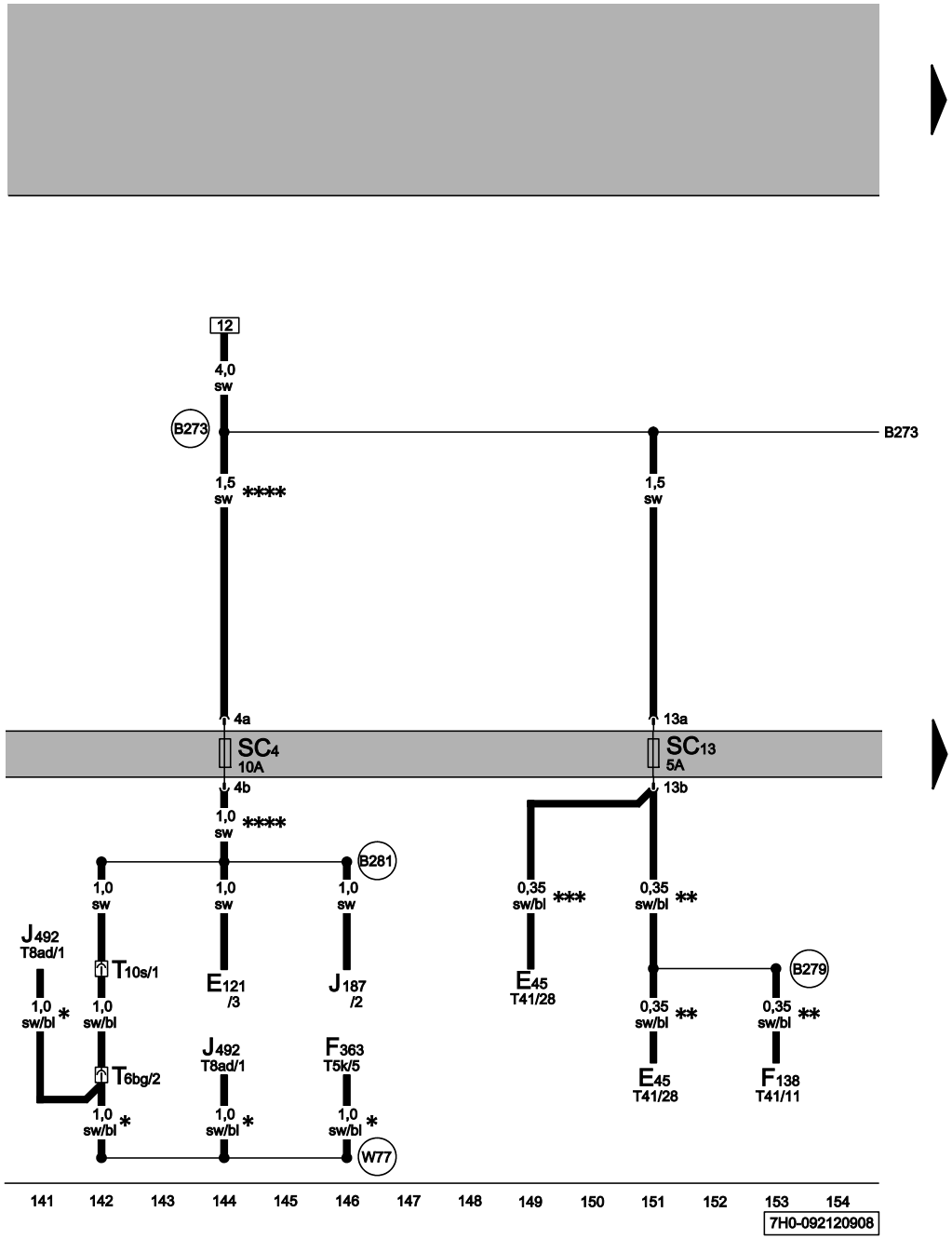
Fuses S37, S51, S131, SB32, SB35, SC1, SC9, SC20 and SC34

E1	Light switch
E20	Switches and instruments illumination regulator
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
S51	Fuse
S131	Fuse 1
SB32	Fuse 32 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC20	Fuse 20 on fuse holder C
SC34	Fuse 34 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T18b	18-pin connector, black
U10	Trailer socket
B8	Positive connection (58), in light switch wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	applicable from June 2004
***	applicable up to May 2004

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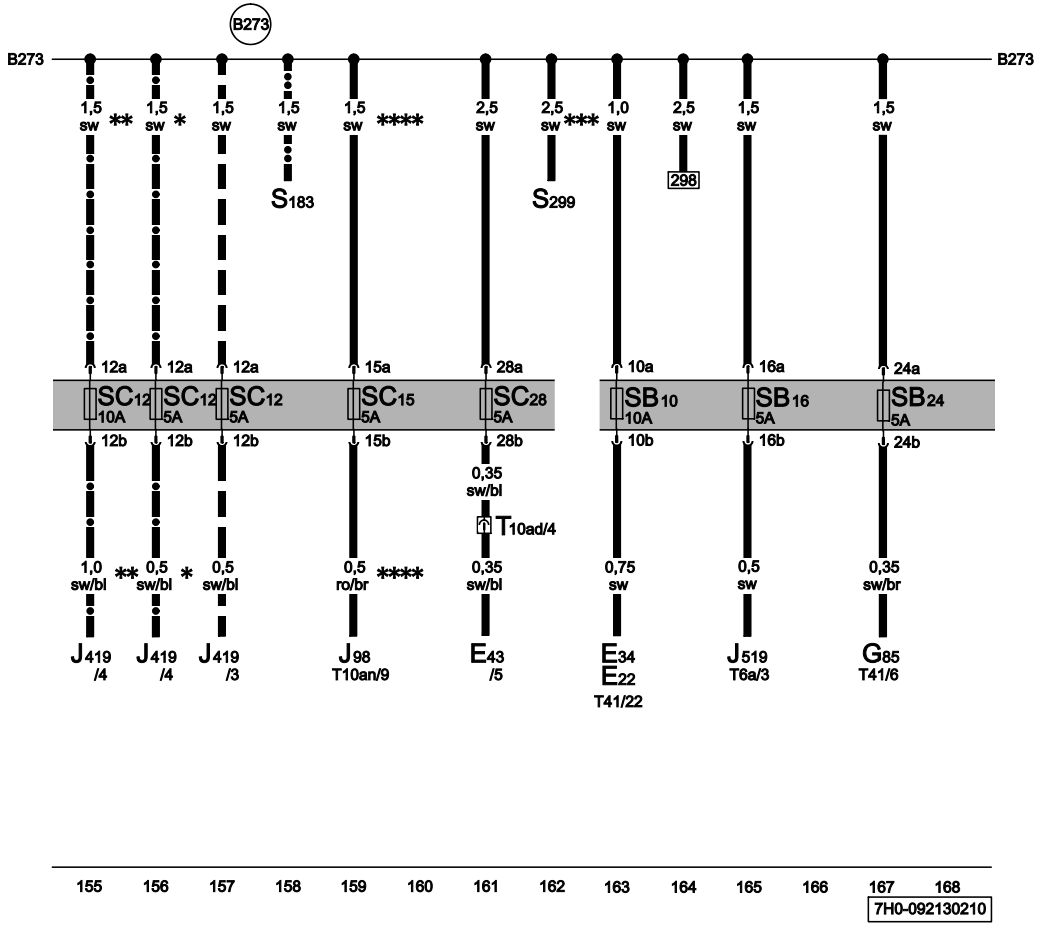
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SC4 and SC13

E45	Cruise control system switch
E121	Rear differential lock switch
F138	Airbag coil connector and return spring with slip ring
F363	Rear differential lock vacuum switch
J187	Differential lock control unit
J492	Four-wheel drive control unit
SC4	Fuse 4 on fuse holder C
SC13	Fuse 13 on fuse holder C
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	depends on equipment
**	for models with operating unit in steering wheel for radio and CCS only
***	for models with cruise control system only
****	applicable from June 2004



ws = white

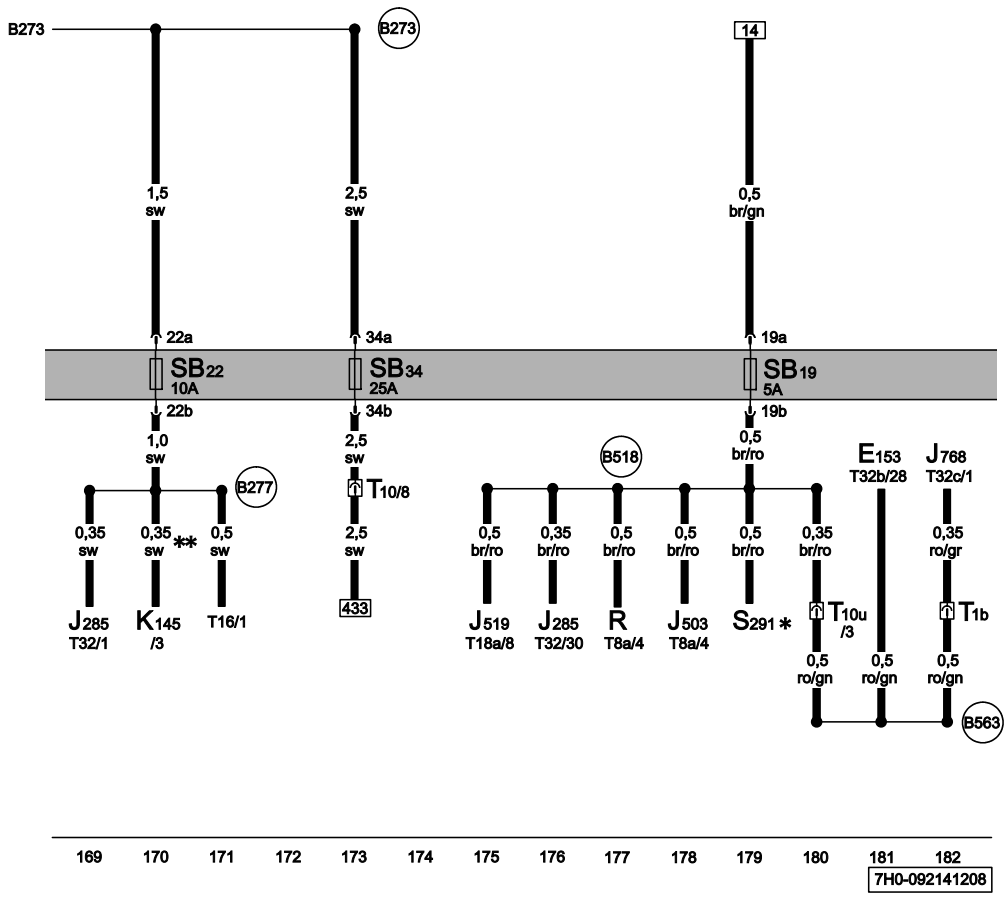
Fuses S183, S299, SB10, SB16, SB24, SC12, SC15 and SC28

E22	Intermittent wiper switch
E34	Rear wiper switch
E43	Mirror adjustment switch
G85	Steering angle sender
J98	Gearshift indicator control unit
J419	Brake light additional relay
J519	Onboard supply control unit
S183	Taxi meter and alarm system fuse
S299	Special vehicle fuse 9
SB10	Fuse 10 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB24	Fuse 24 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	for models with electric interface only
****	for models with automatic gearbox only
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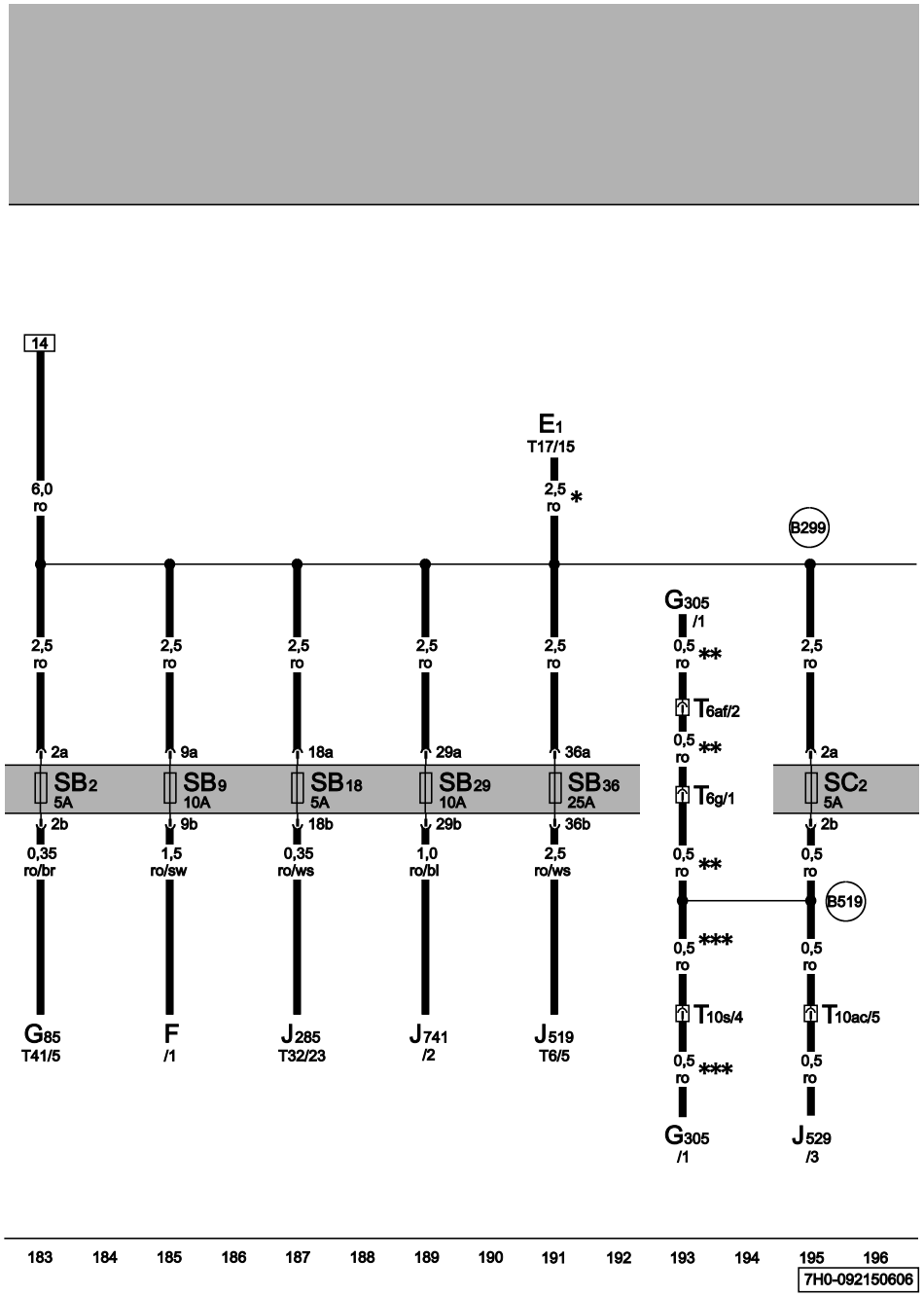
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S291, SB19, SB22 and SB34

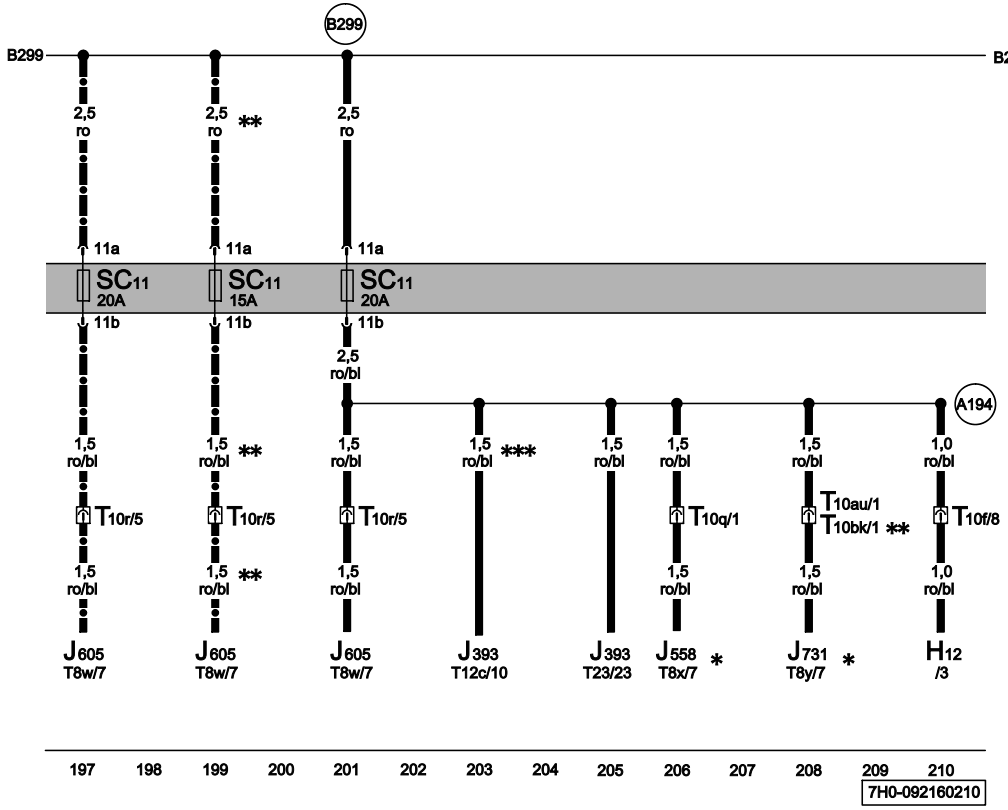
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J768	Roof hydraulics control unit
K145	Front passenger side airbag deactivated warning lamp
R	Radio
S291	Special vehicle fuse 1
SB19	Fuse 19 on fuse holder B
SB22	Fuse 22 on fuse holder B
SB34	Fuse 34 on fuse holder B
T1b	Single connector, grey, near roof hydraulics control unit
T8a	8-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10u	10-pin connector, blue, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
T32c	32-pin connector, black
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	for models with electric interface only
**	for models with key operated switch to deactivate front passenger side airbag only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB2, SB9, SB18, SB29, SB36 and SC2

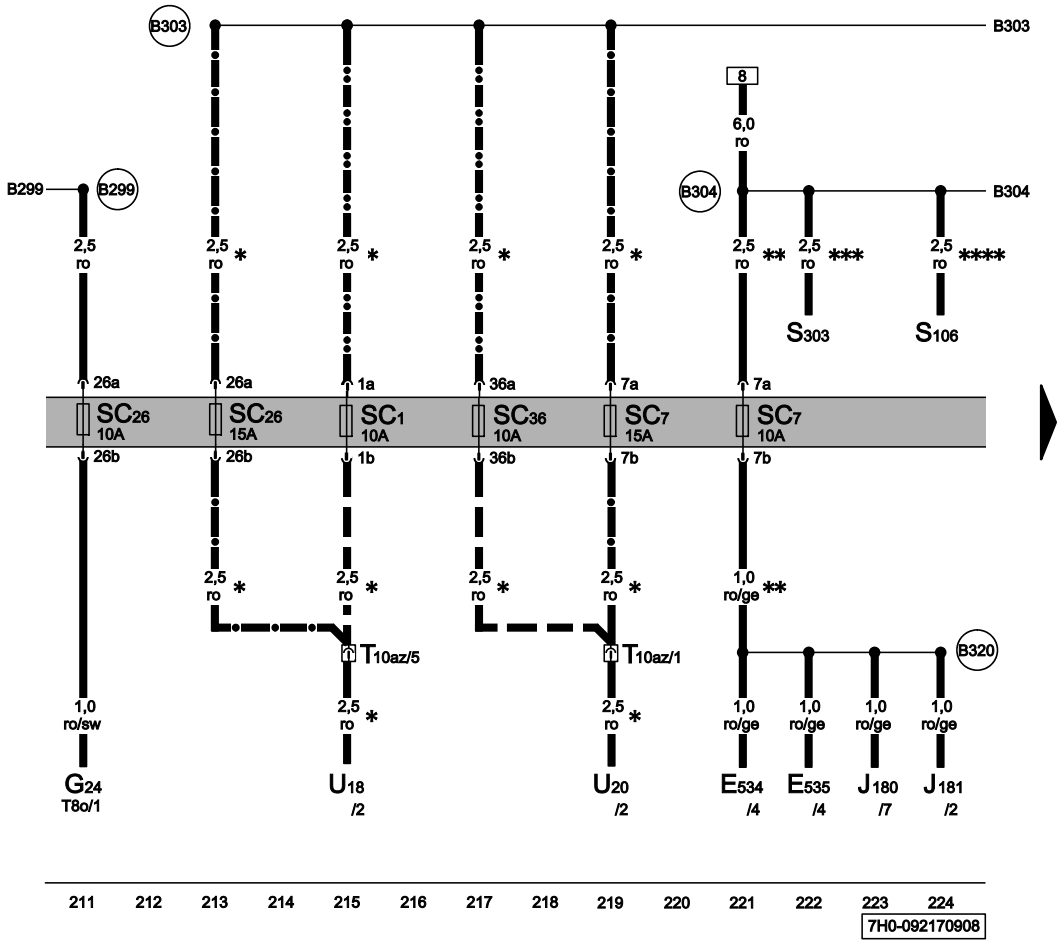
E1	Light switch
F	Brake light switch
G85	Steering angle sender
G305	Interior monitor send and receive module 2
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J741	Dual signal inverter relay
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB29	Fuse 29 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
T6	6-pin connector, black
T6g	6-pin connector, brown, coupling station under driver seat
T6af	6-pin connector, dark brown, coupling station on left of D-pillar
T10s	10-pin connector, brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	applicable up to March 2004
**	applicable up to May 2004
***	applicable from June 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse SC11

H12	Alarm horn
J393	Convenience system central control unit
J558	Left sliding door control unit
J605	Rear lid control unit
J731	Right sliding door control unit
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T8x	8-pin connector, black, coupling station left D-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12c	12-pin connector
T23	23-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with power latching system, without electric sliding door only
**	applicable from January 2005
***	for models with anti-theft alarm system only
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Fuses S106, S303, SC1, SC7, SC26 and SC36

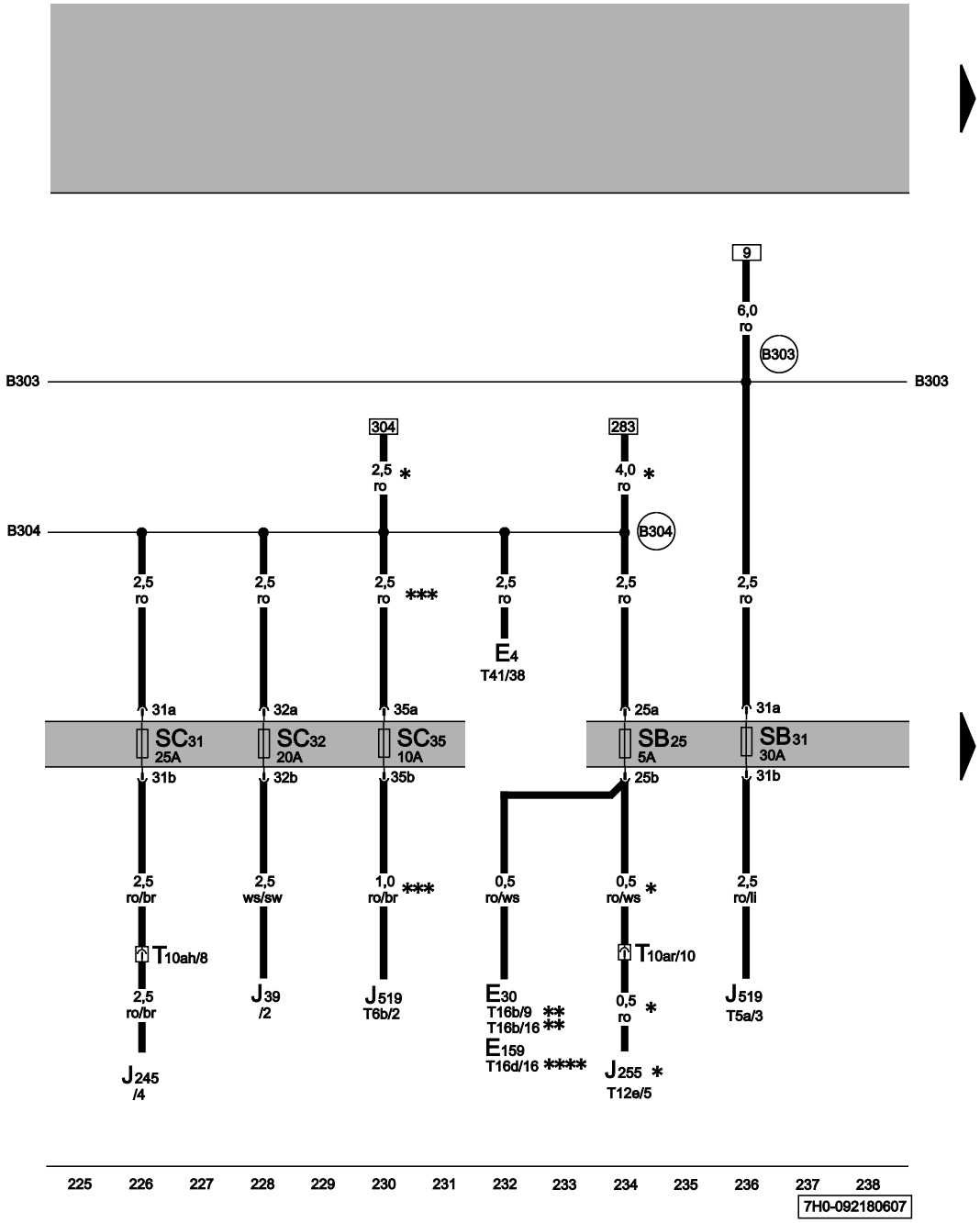
E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
G24	Tachograph
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
S106	Rotating light fuse
S303	Special vehicle fuse 13
SC1	Fuse 1 on fuse holder C
SC7	Fuse 7 on fuse holder C
SC26	Fuse 26 on fuse holder C
SC36	Fuse 36 on fuse holder C
T8o	8-pin connector, white
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U20	12 V socket 4
B299	Positive connection 3 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	depends on equipment ⇒ 12 V sockets Current Flow Diagram
**	for models with roof ventilator only
***	for models with electric interface only
****	for models with rotating light only/ Red Cross light

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applicable up to May 2004

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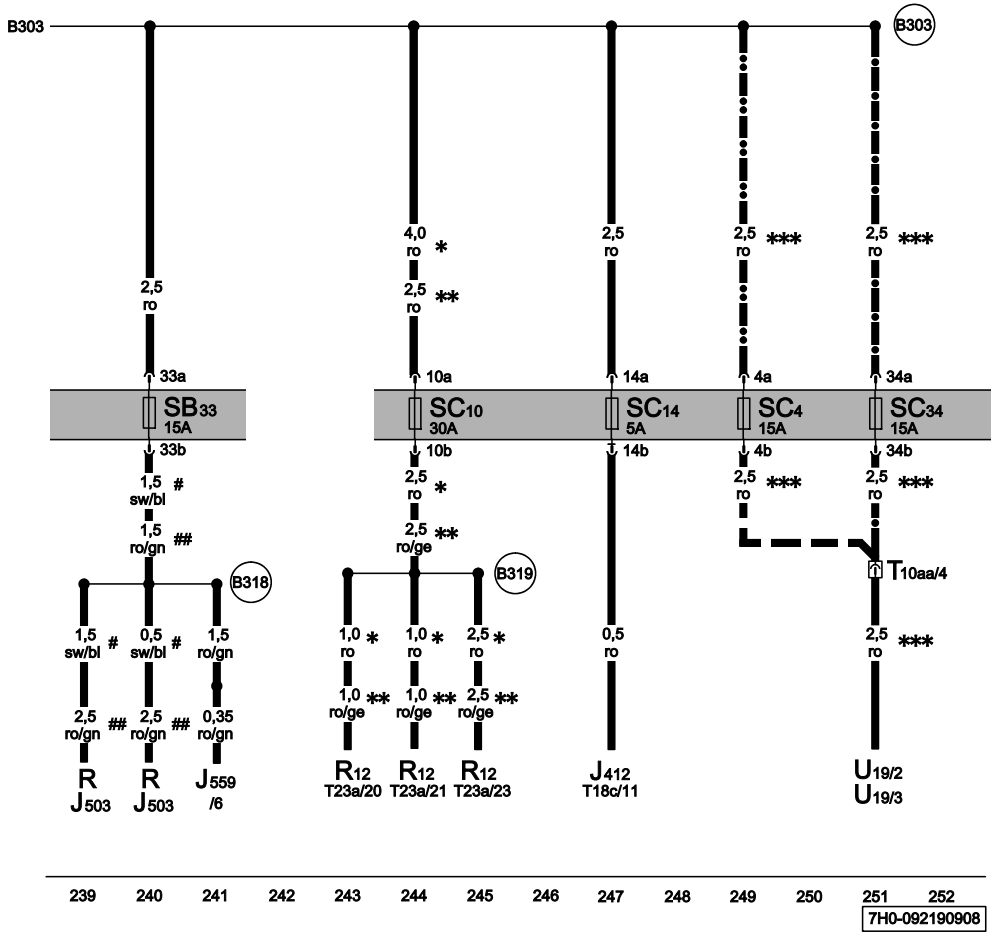
for models without second battery only, applicable from January 2005



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB25, SB31, SC31, SC32 and SC35

E4	Headlight dipper/flasher switch
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J255	Climatronic control unit
J519	Onboard supply control unit
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T5a	5-pin connector, brown
T6b	6-pin connector, red
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T41	41-pin connector
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with automatic gearbox only
****	for models without air conditioning system only



ws = white

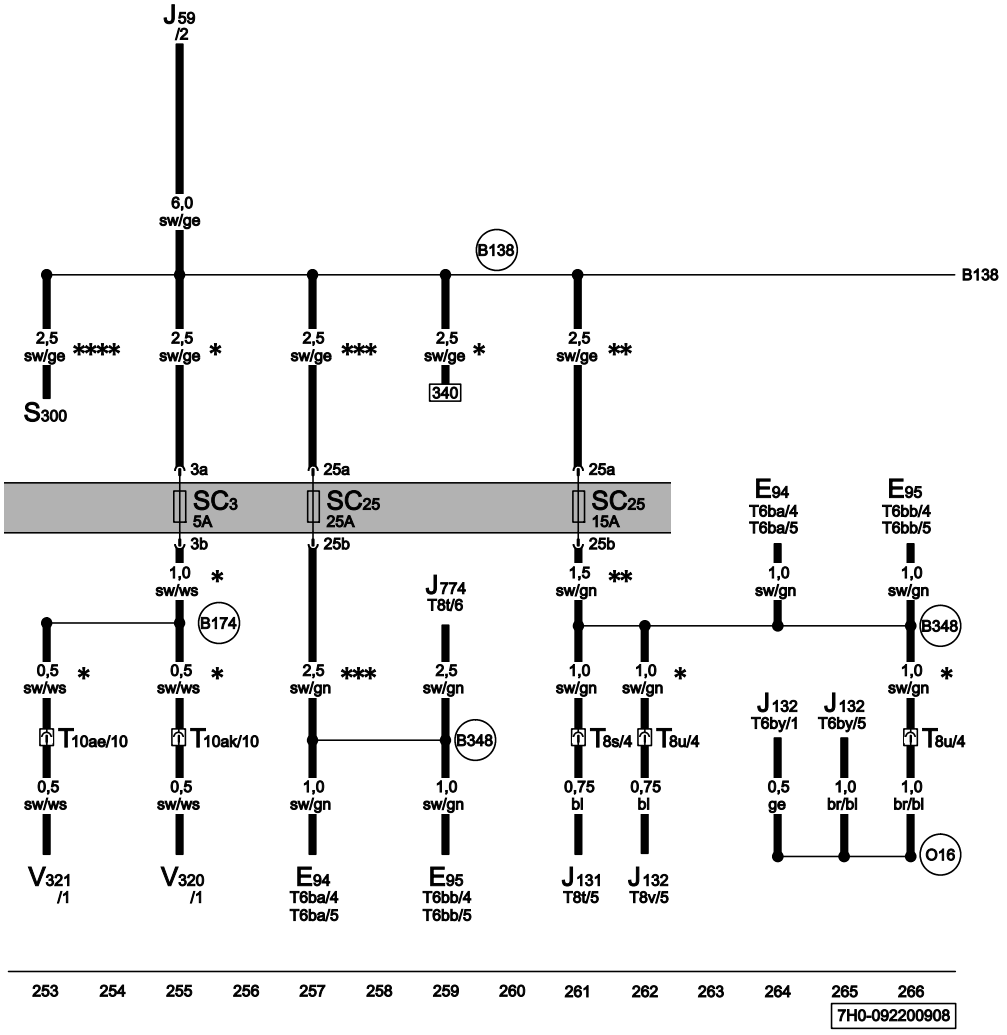
Fuses SB33, SC4, SC10, SC14 and SC34

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J559	Traffic information control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC4	Fuse 4 on fuse holder C
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC34	Fuse 34 on fuse holder C
T10aa	10-pin connector, dark brown, coupling station under driver seat
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
U19	12 V socket 3
B303	Positive connection 7 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with radio system and amplifier only
**	for models with radio navigation system and amplifier only
***	depends on equipment ⇒ 12 V sockets Current Flow Diagram
#	for models with radio system only, wire cross-section depends on equipment
##	for models with radio navigation system only, wire cross-section depends on equipment
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for models without second battery only, applicable from January 2005

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for models without second battery only, applicable up to May 2004

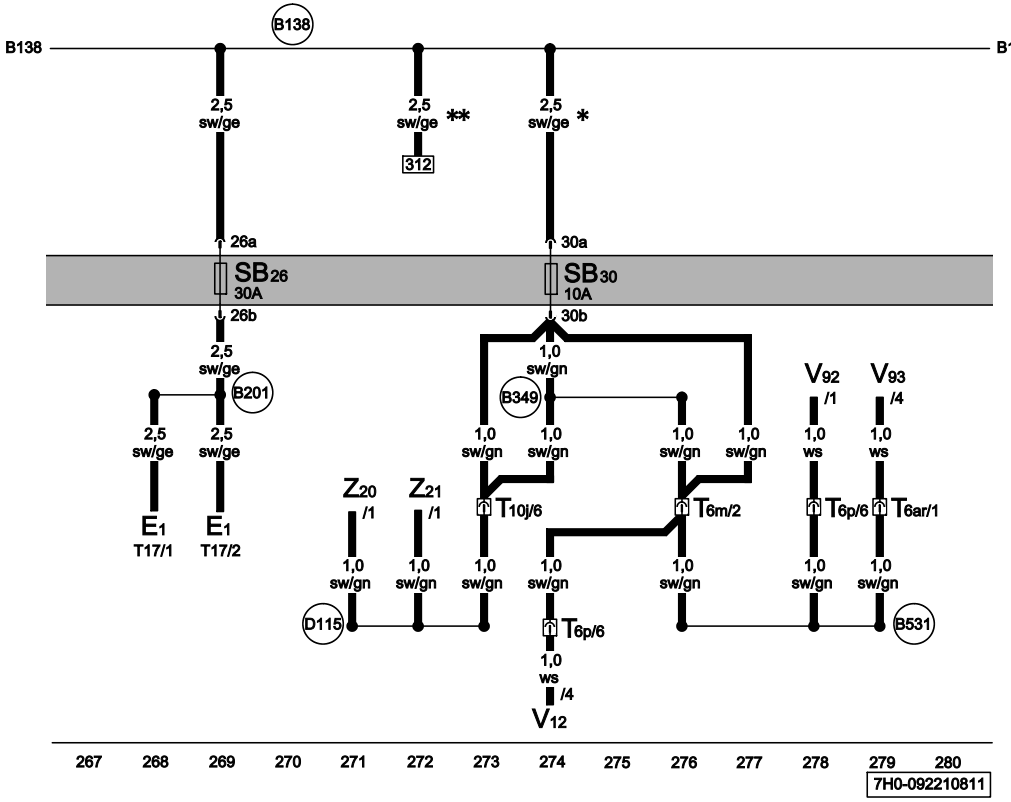
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S300, SC3 and SC25

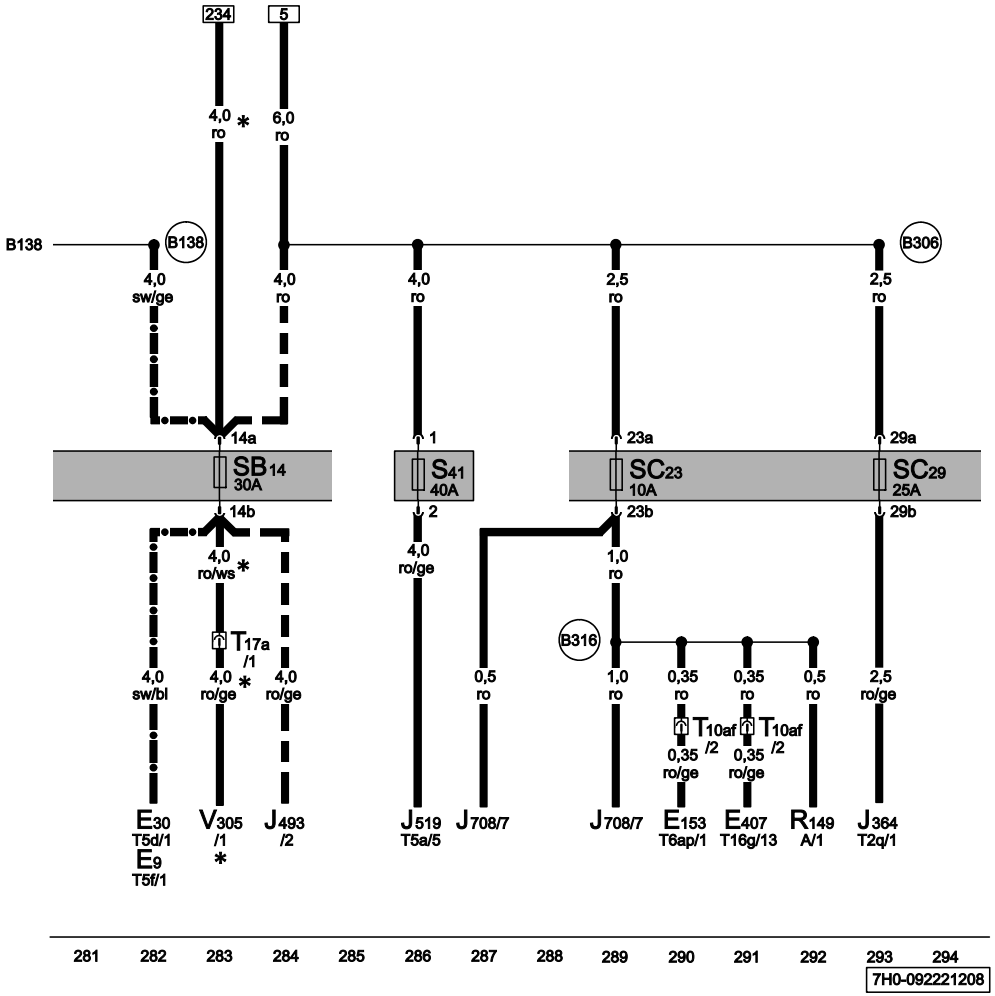
E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J131	Heated driver seat control unit
J132	Heated front passenger seat control unit
J774	Heated front seats control unit
S300	Special vehicle fuse 10
SC3	Fuse 3 on fuse holder C
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T6by	6-pin connector
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T8u	8-pin connector, black, under front passenger seat
T8v	8-pin connector
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
B138	Positive connection (X), in interior wiring harness
B174	Positive connection 3 (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
O16	Connection 5, in seat heating wiring harness
*	depends on equipment
**	applicable up to December 2005
***	applicable from January 2006
****	for models with electric interface only



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

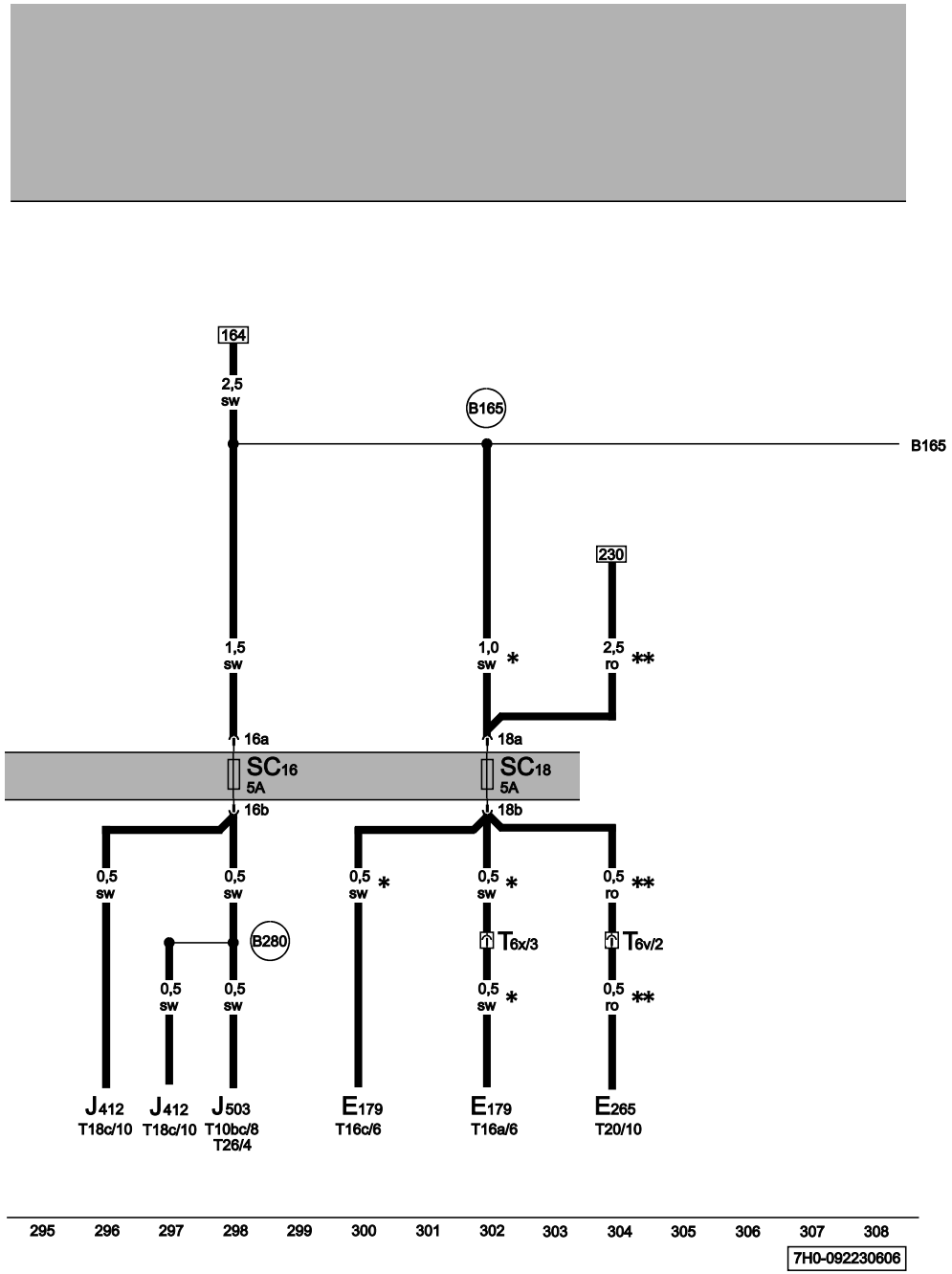
Fuses SB26 and SB30

E1	Light switch
SB26	Fuse 26 on fuse holder B
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6ar	6-pin connector, red, coupling station on right of D-pillar
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B349	Connection 2 (75A), in main wiring harness
B531	Positive connection (75), in roof wiring harness
D115	Connection 13, in engine compartment wiring harness
*	depends on equipment
**	for models with air conditioning system/ heater only, applicable from January 2005



Fuses S41, SB14, SC23 and SC29

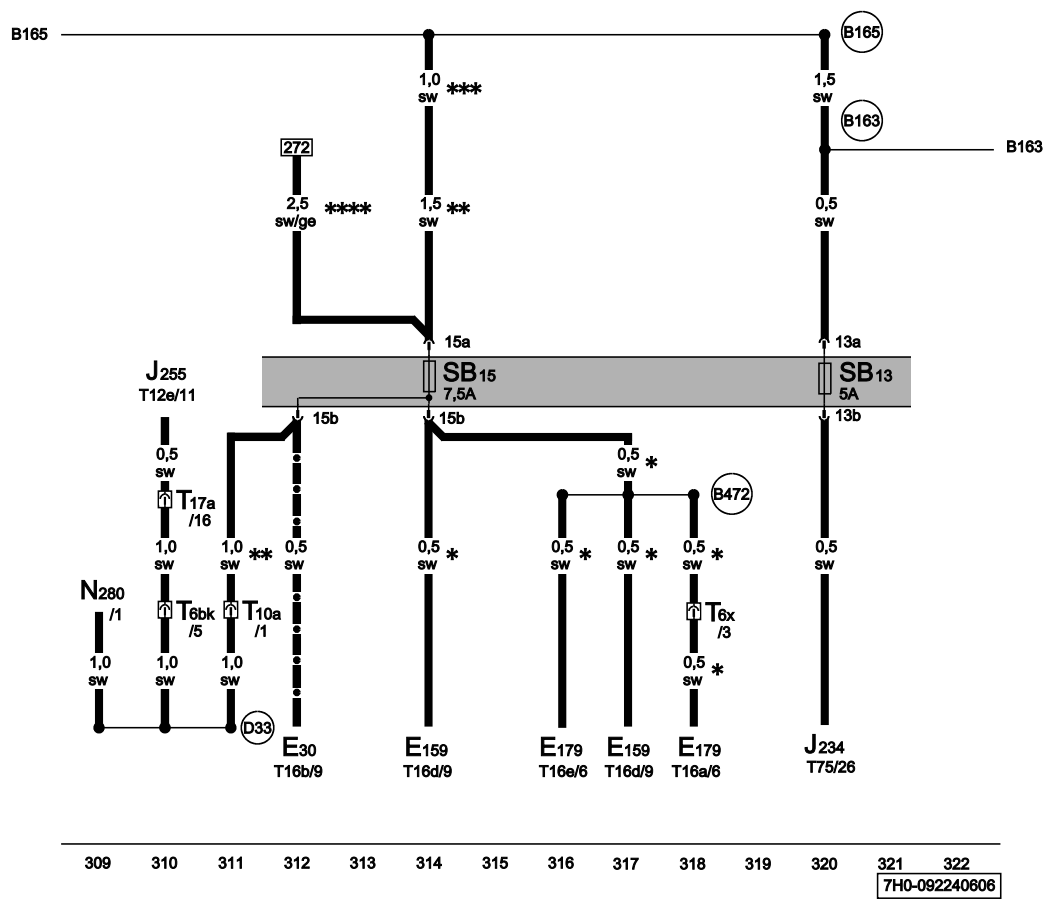
E9	Fresh air blower switch
E30	Air conditioning system switch
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
J708	Residual heat relay
R149	Remote control receiver for auxiliary coolant heater
S41	Heated rear window fuse
SB14	Fuse 14 on fuse holder B
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T5a	5-pin connector, brown
T5d	5-pin connector
T5f	5-pin connector
T6ap	6-pin connector
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	for models with Climatronic only
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<fo:external-graphic src="../	for models without auxiliary coolant heater only



Fuses SC16 and SC18

E179	Rear fresh air blower switch
E265	Operating and display unit for rear air conditioning system
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6x	6-pin connector, purple, coupling station under front passenger seat
T10bc	10-pin connector, red
T16a	16-pin connector, black
T16c	16-pin connector, black
T18c	18-pin connector, VDA connection
T20	20-pin connector
T26	26-pin connector
B165	Positive connection 2 (15), in interior wiring harness
B280	Positive connection 4 (15a), in main wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only

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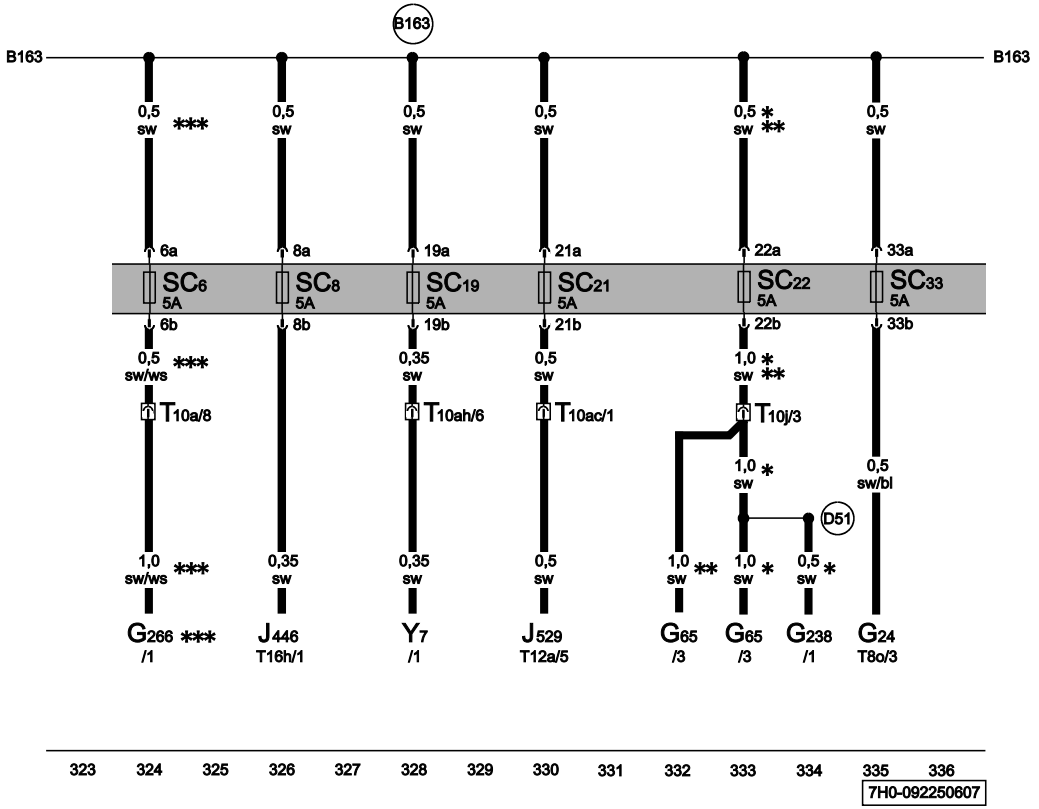


Fuses SB13 and SB15

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J255	Climatronic control unit
N280	Air conditioning system compressor regulating valve
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T6x	6-pin connector, purple, coupling station under front passenger seat
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T12e	12-pin connector, black
T16a	16-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	models with heater, depends on equipment only
**	for models with Climatronic and engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with air conditioning system/ heater only, applicable up to December 2005
****	for models with air conditioning system/ heater only, applicable from January 2006
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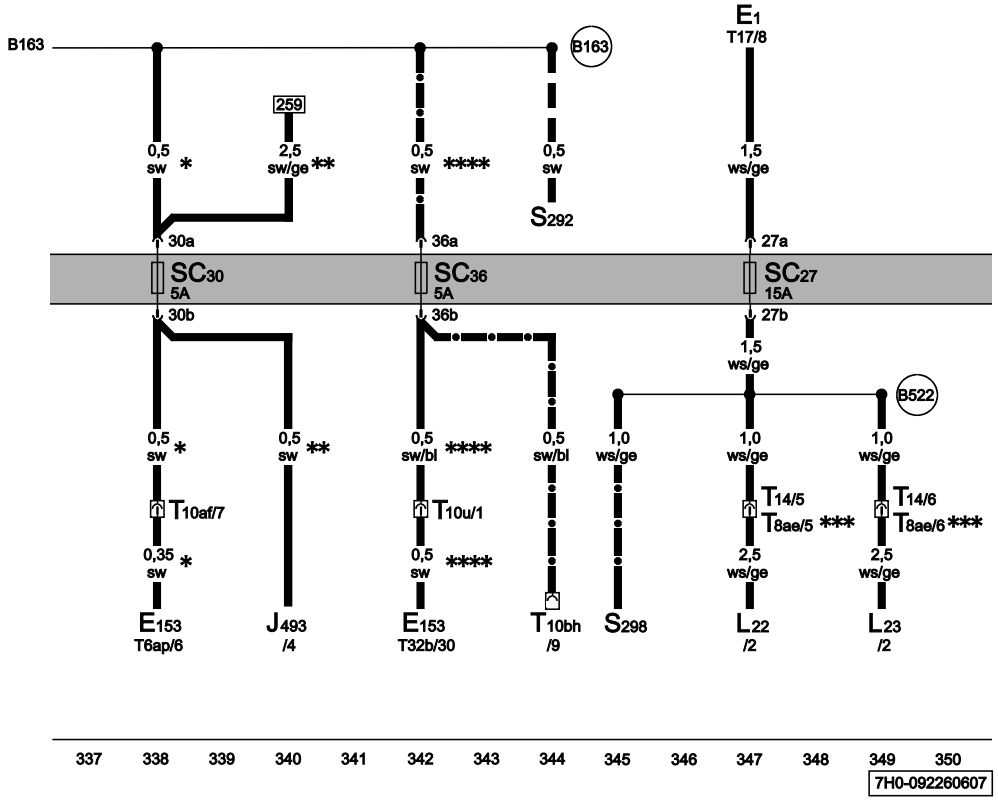
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SC6, SC8, SC19, SC21, SC22 and SC33

G24	Tachograph
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, brown
Y7	Automatic anti-dazzle interior mirror
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with extended servicing intervals only



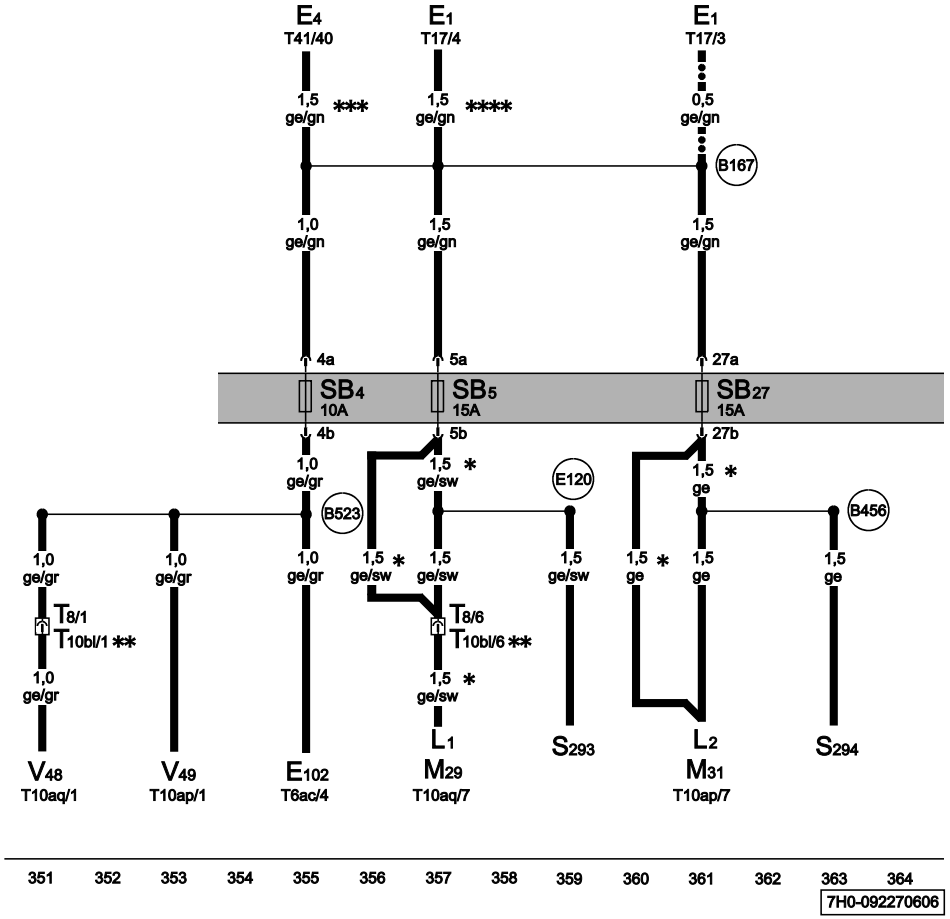
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Fuses S292, S298, SC27, SC30 and SC36

E1	Light switch
E153	Operating and display unit for camping equipment
J493	Auxiliary coolant heater relay
L22	Left fog light bulb
L23	Right fog light bulb
S292	Special vehicle fuse 2
S298	Special vehicle fuse 8
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6ap	6-pin connector
T8ae	8-pin connector, black, near headlight, front right
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T14	14-pin connector, black, near front right headlight
T17	17-pin connector
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with auxiliary heater (air) only
**	for models with auxiliary coolant heater only
***	applicable from January 2005
****	for camper only, applicable from March 2004
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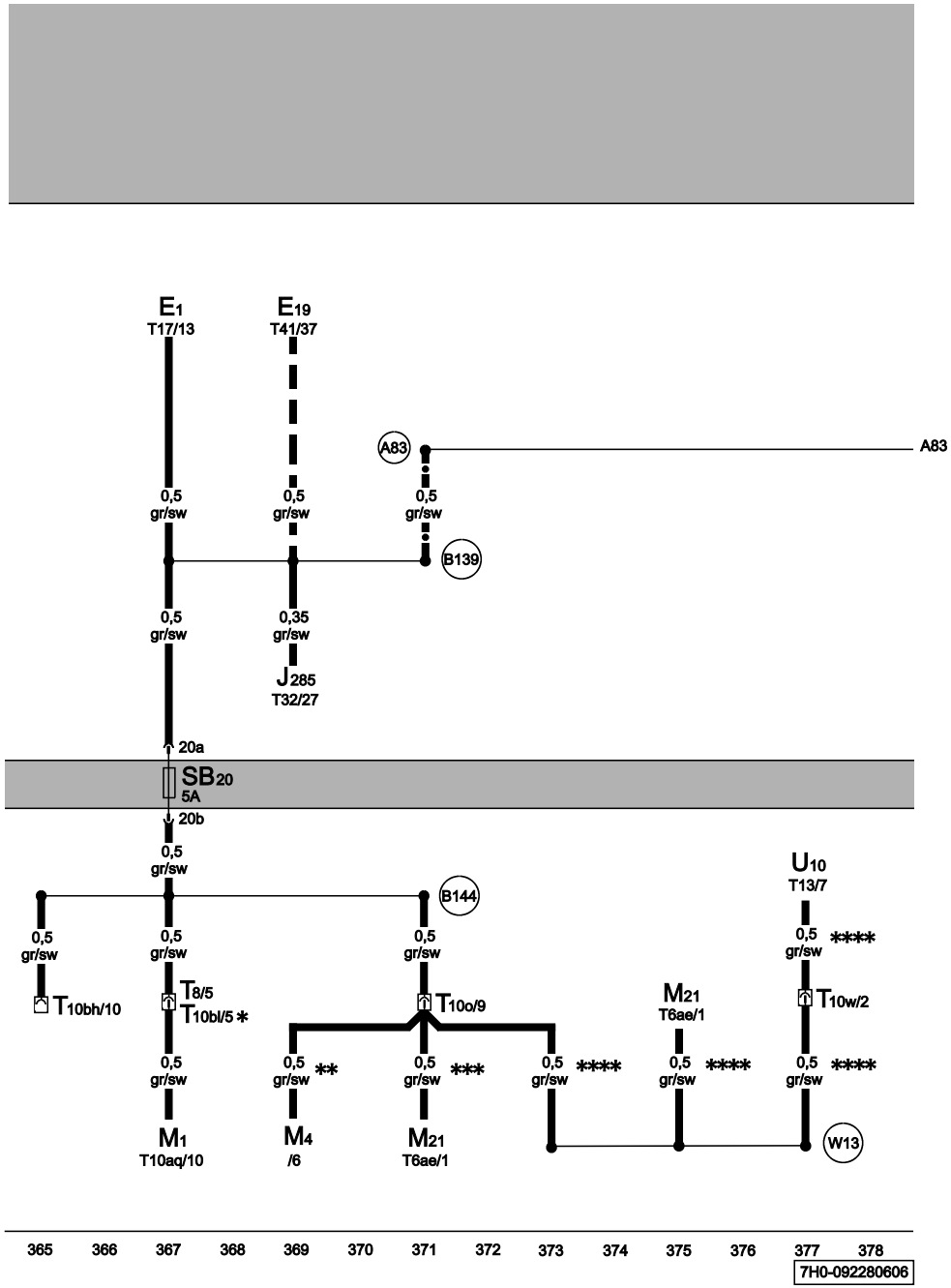
Fuses S293, S294, SB4, SB5 and SB27

E1	Light switch
E4	Headlight dipper/flasher switch
E102	Headlight range control regulator
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M29	Left dipped beam bulb
M31	Right dipped beam bulb
S293	Special vehicle fuse 3
S294	Special vehicle fuse 4
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB27	Fuse 27 on fuse holder B
T6ac	6-pin connector
T8	8-pin connector, black, near headlight, front right
10ap	10-pin connector, black
T10aq	10-pin connector, black
T10bl	10-pin connector, black, near front right headlight
T17	17-pin connector
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B523	Connection (56, HRC), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	depends on equipment
**	applicable from January 2005
***	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
****	for multivan, camper Comfortline and caravelle only
<fo:exter	for models with day driving light only

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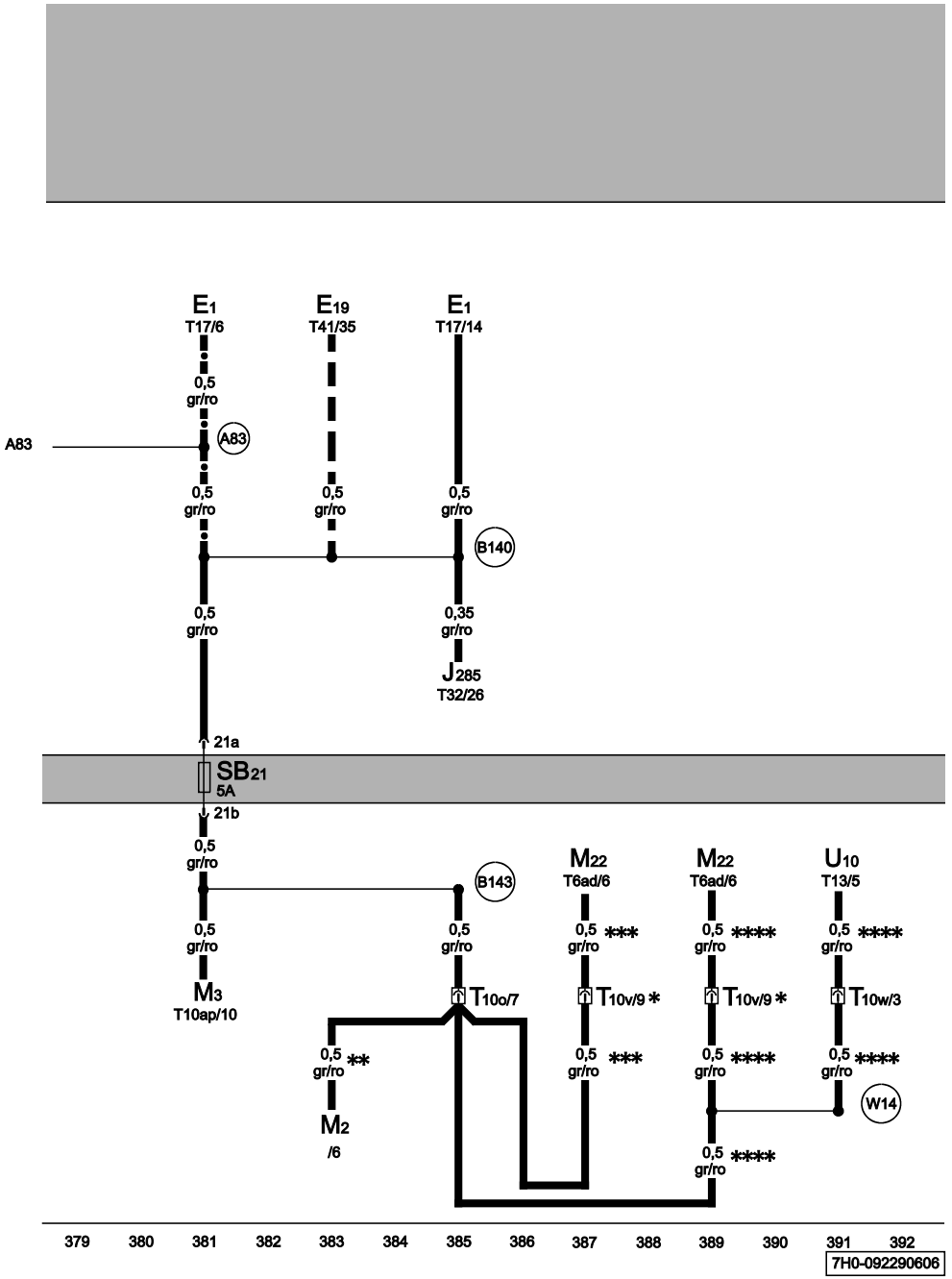
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Fuse SB20

E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M1	Left side light bulb
M4	Left tail light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6ae	6-pin connector
T8	8-pin connector, black, near headlight, front right
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
W13	Connection (58L), in rear wiring harness
*	applicable from January 2005
**	For plank bed vehicles/ double cab only
***	for models without trailer operation only
****	for models with trailer operation only
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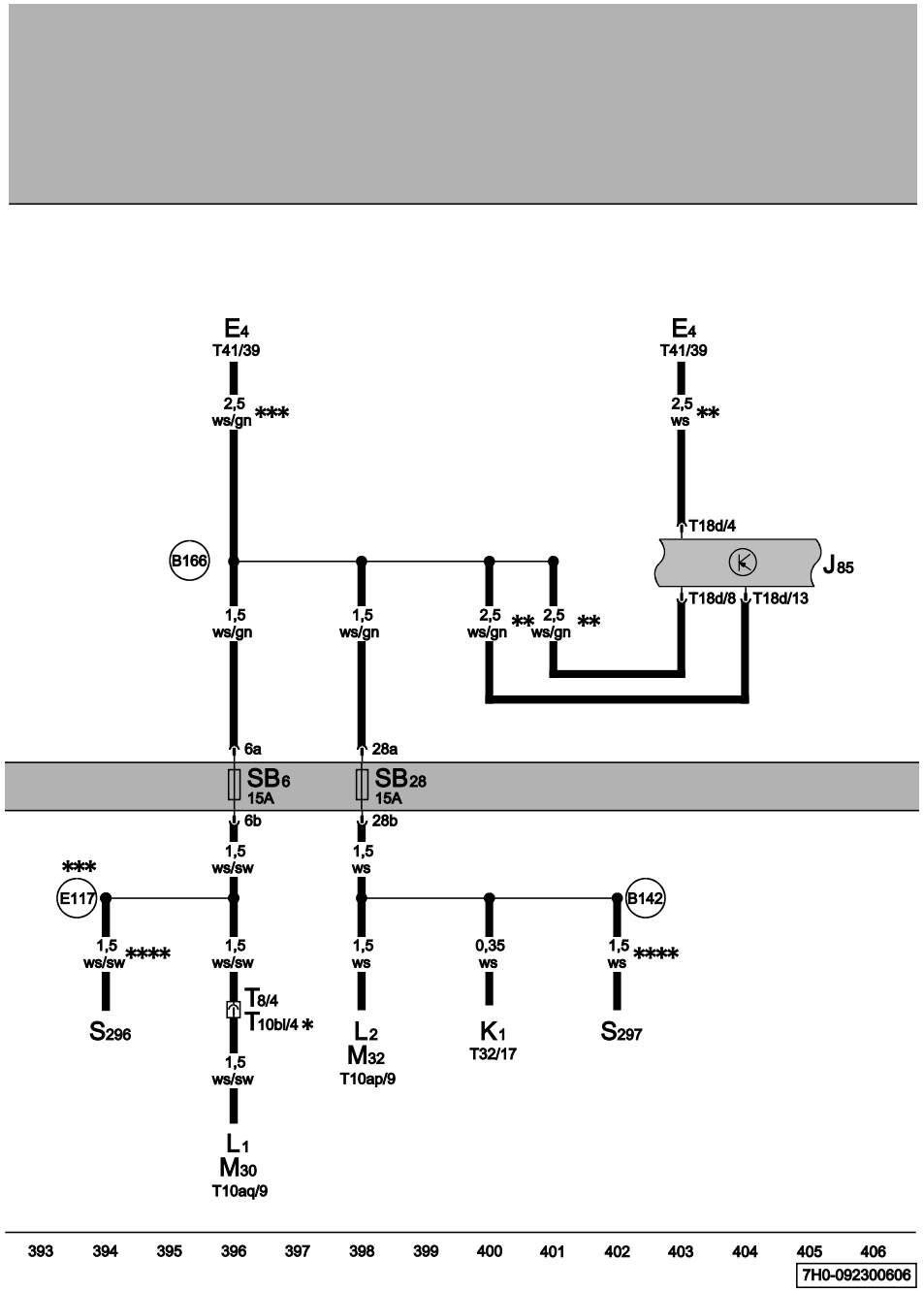
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Fuse SB21

E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M2	Right tail light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6ad	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10ap	10-pin connector, black, on right of headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B140	Connection (RPL), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
W14	Connection (58R), in rear wiring harness
*	applicable up to December 2004
**	For plank bed vehicles/ double cab only
***	for models without trailer operation only
****	for models with trailer operation only
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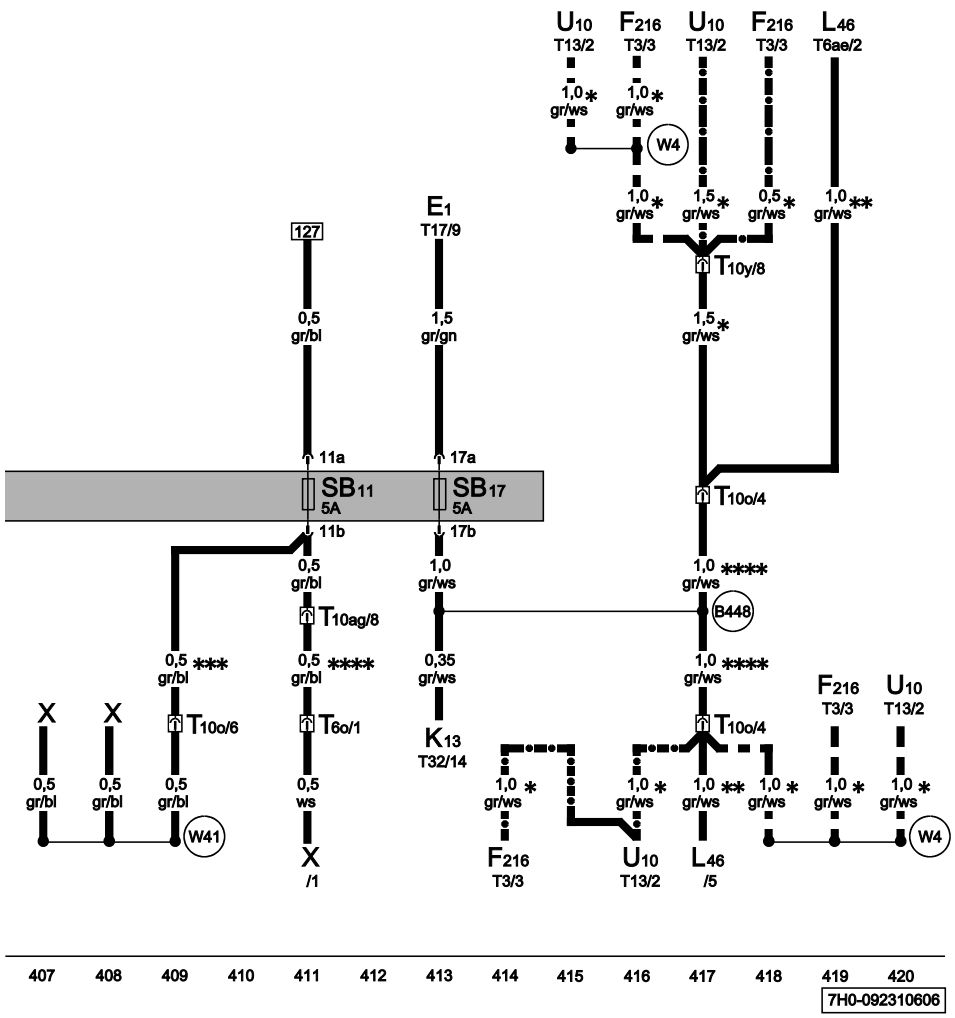
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uniform"/
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Fuses S296, S297, SB6 and SB28

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
K1	Main beam warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M32	Right main beam bulb
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T18d	18-pin connector, blue
T32	32-pin connector, blue
T41	41-pin connector
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	applicable from January 2005
**	for models with taxi equipment only
***	for models without taxi equipment only
****	for models with electric interface only

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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses SB11 and SB17

E1	Light switch
F216	Rear fog light cut-out contact switch
K13	Rear fog light warning lamp
L46	Rear left fog light bulb
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6o	6-pin connector, red, coupling station on left of D-pillar
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
U10	Trailer socket
X	Number plate light
B448	Connection (rear fog light), in main wiring harness
W4	Connection 1 (rear fog lights), in rear wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models with trailer operation only
**	for models without trailer operation only
***	for double cab and plank bed vehicles only
****	not for double cab and plank bed vehicles

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applicable up to December 2005

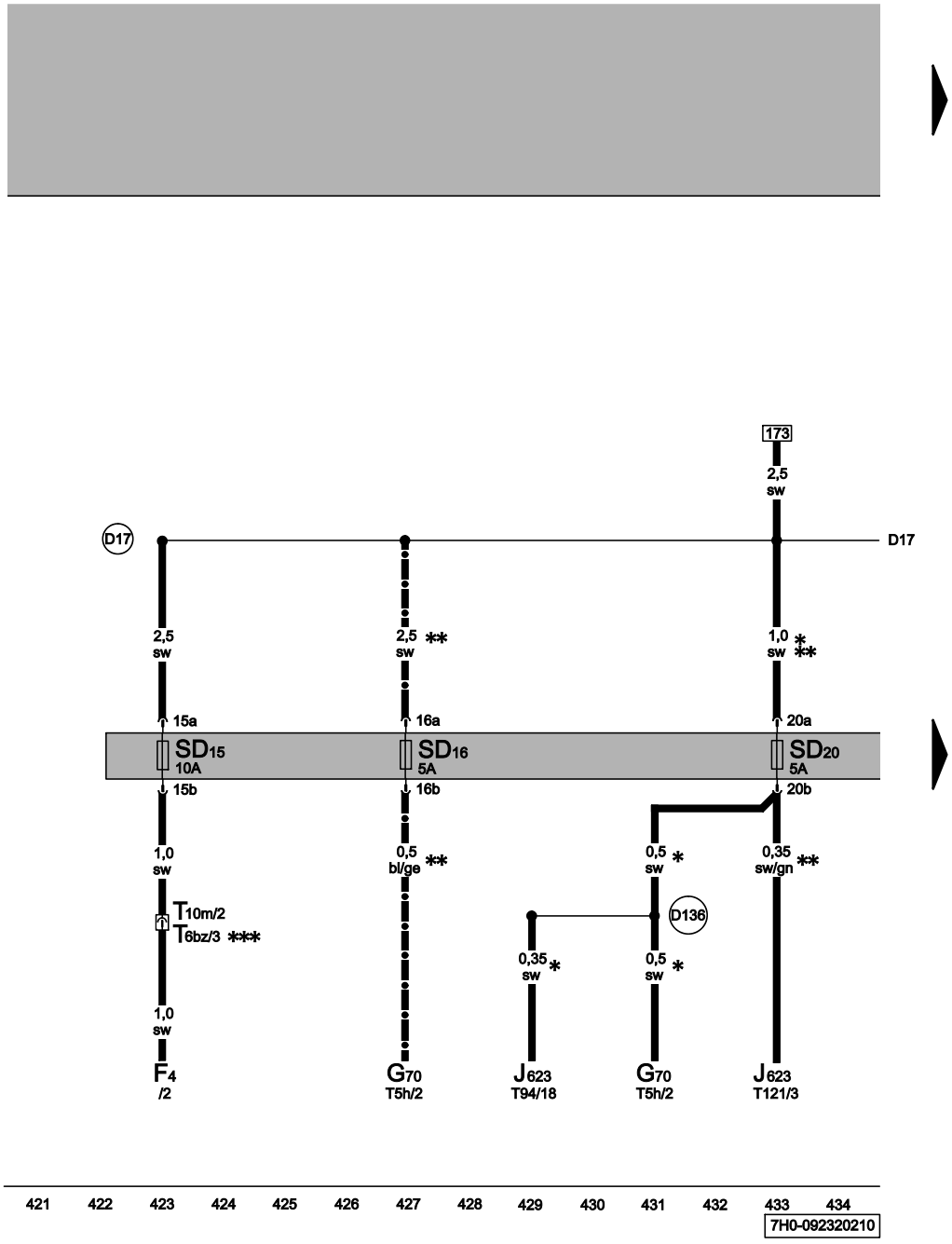
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applicable from January 2006

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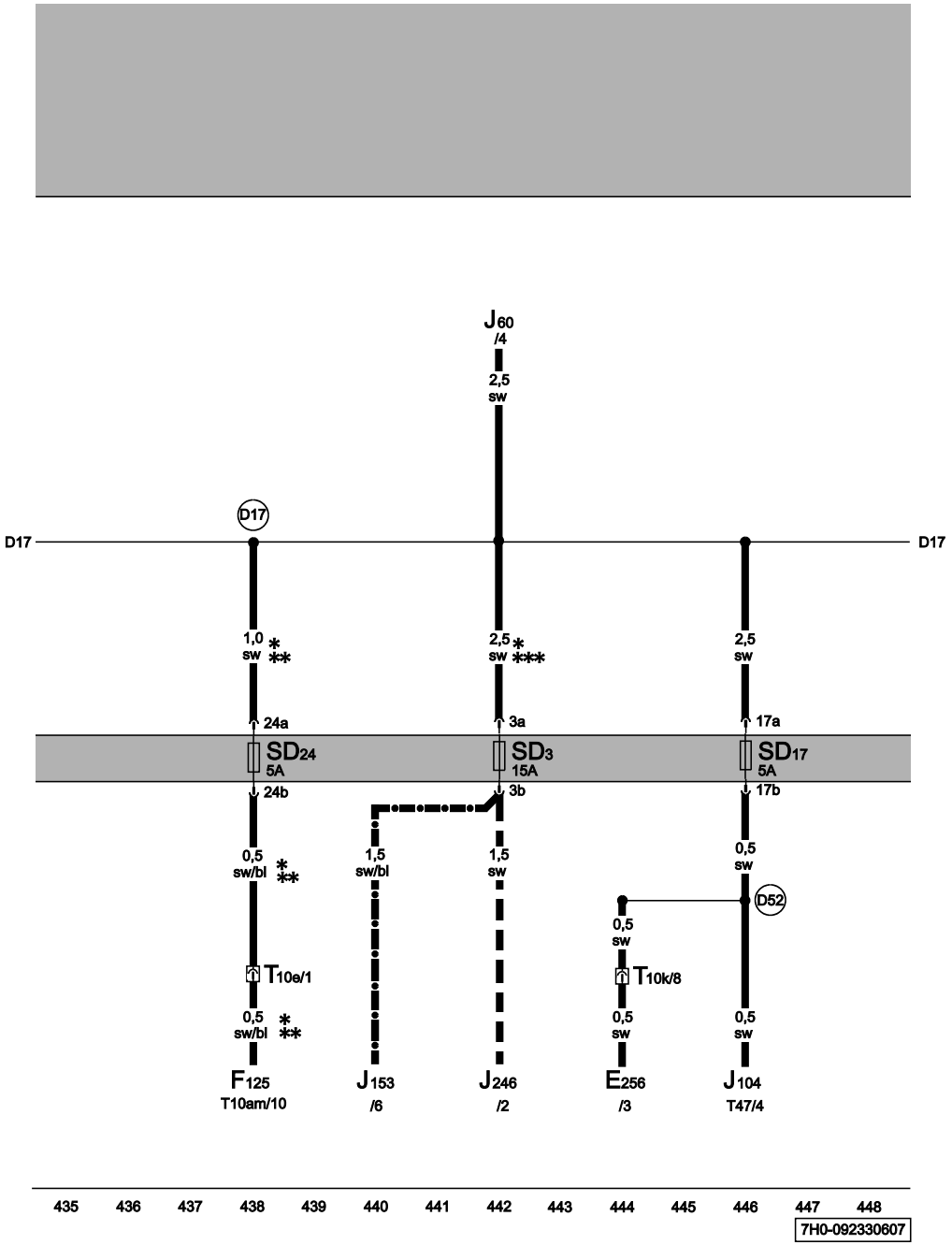
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD15, SD16 and SD20

F4	Reversing light switch
G70	Air mass meter
J623	Engine control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD20	Fuse 20 on fuse holder D
T5h	5-pin connector, brown
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T94	94-pin connector
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	applicable from June 2004
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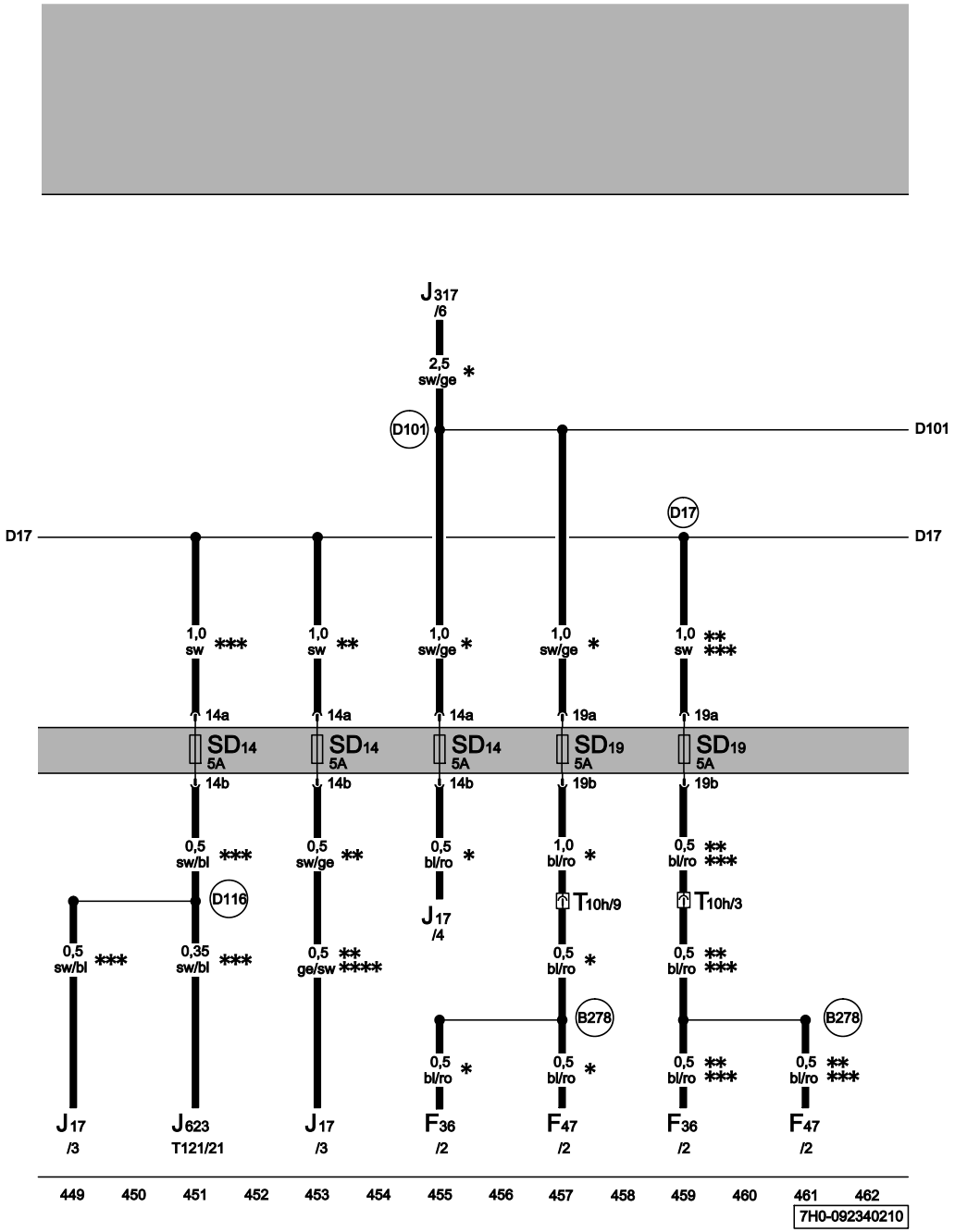
Fuses SD3, SD17 and SD24

E256	TCS and ESP button
F125	Multifunction switch
J60	Automatic gearbox relay
J104	ABS control unit
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T47	47-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with engine codes AXA, AXB, AXC, BRR and BRS only
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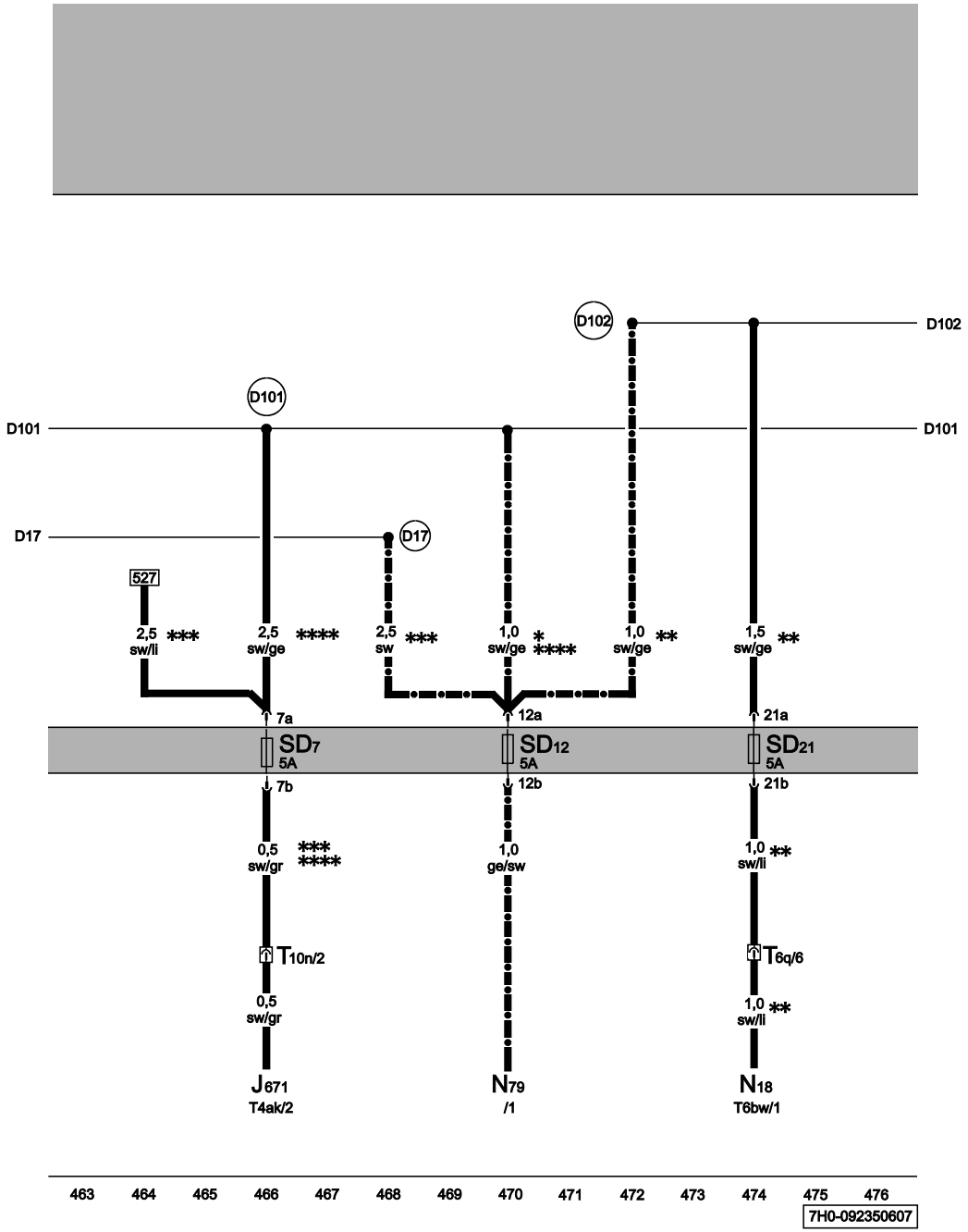
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ws = white
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ro = red
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bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Fuses SD14 and SD19

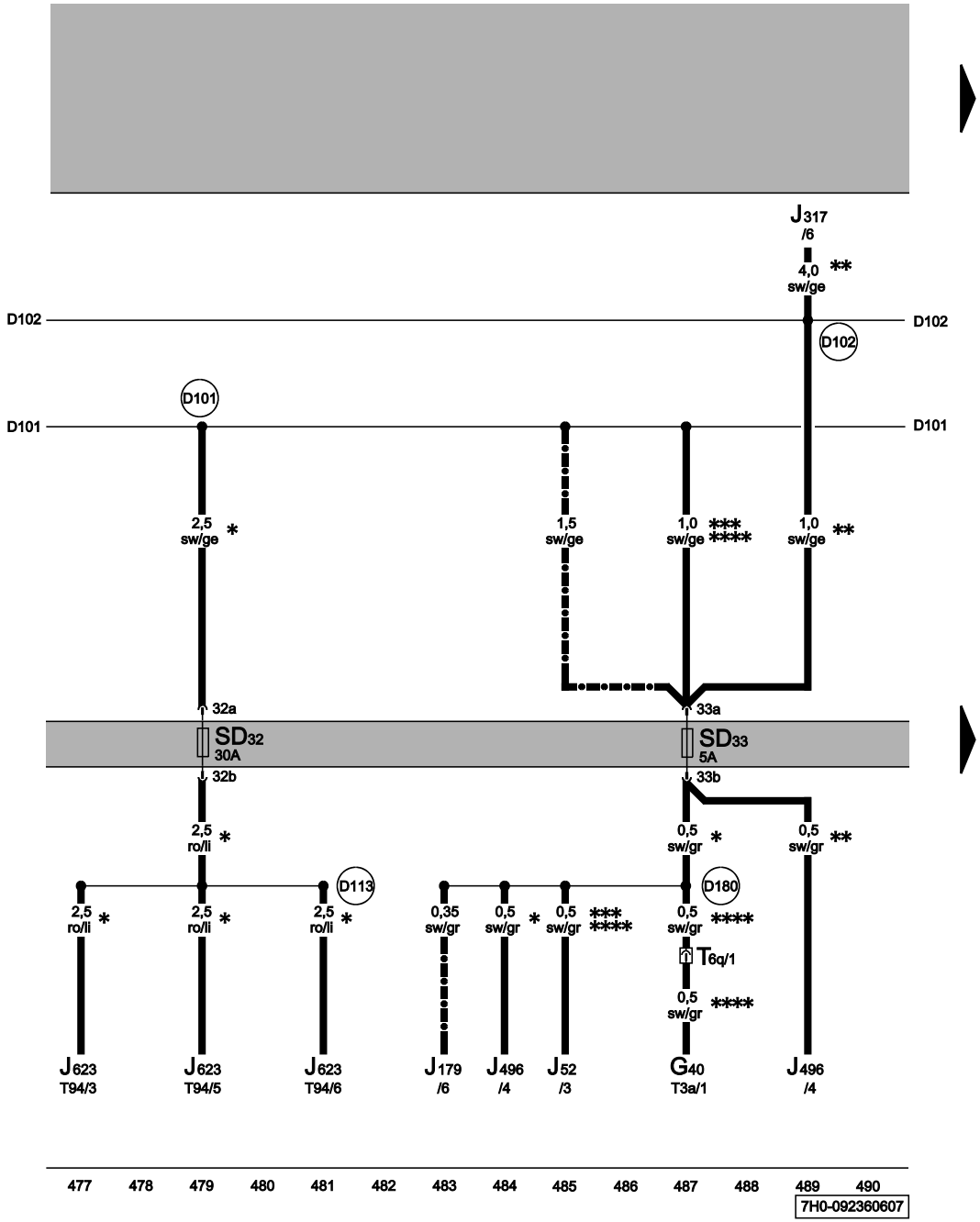
F36	Clutch pedal switch
F47	Brake pedal switch
J17	Fuel pump relay
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	applicable from September 2005



ws = white
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li = purple
ge = yellow
or = orange
rs = pink

Fuses SD7, SD12 and SD21

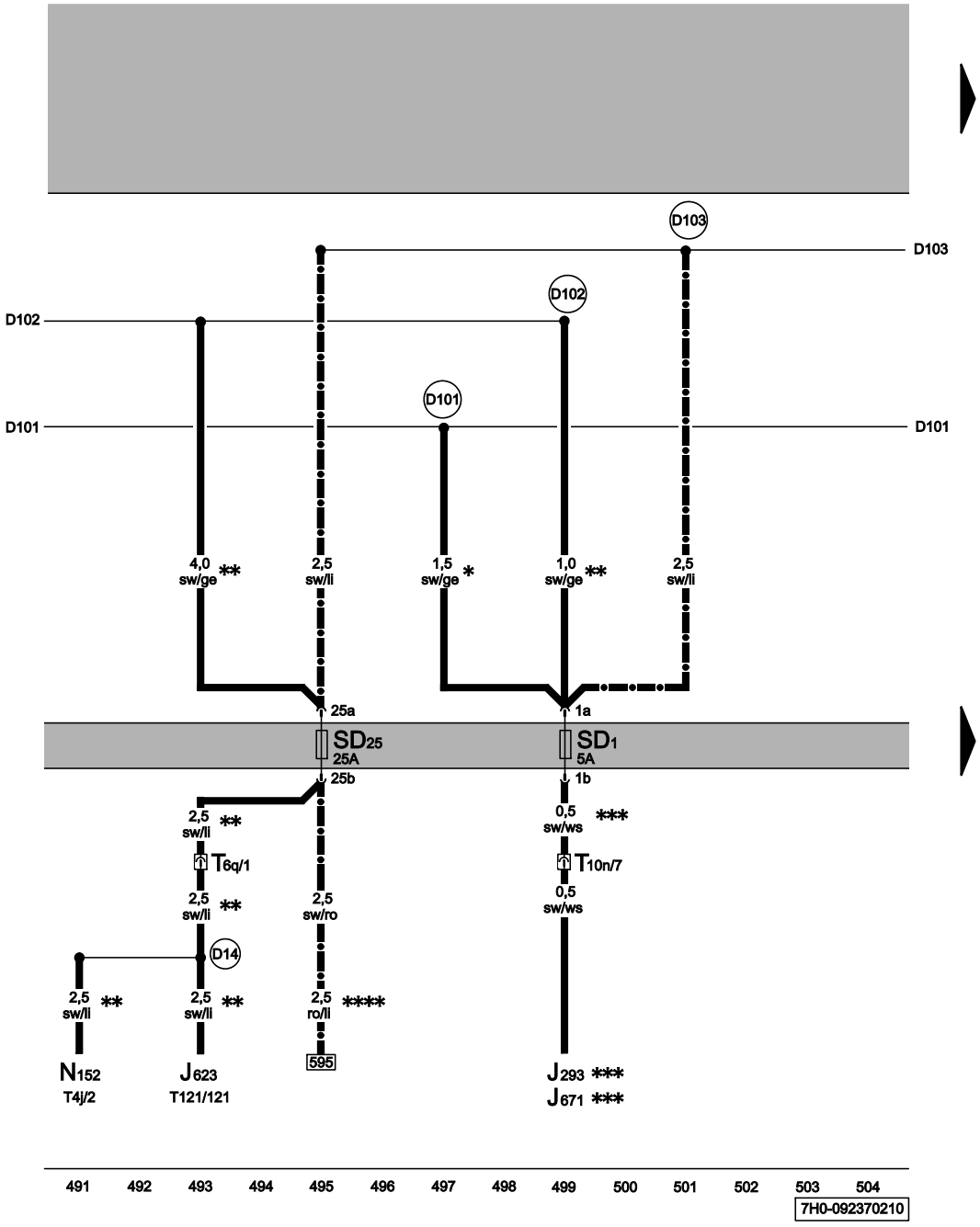
J671	Radiator fan control unit 2
N18	Exhaust gas recirculation valve
N79	Heater element for crankcase breather
SD7	Fuse 7 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
T4ak	4-pin connector, black, near radiator fan
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD32 and SD33

G40	Hall sender
J52	Glow plug relay
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T94	94-pin connector
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes AXD and AXE only
****	for models with engine codes AXB and AXC only
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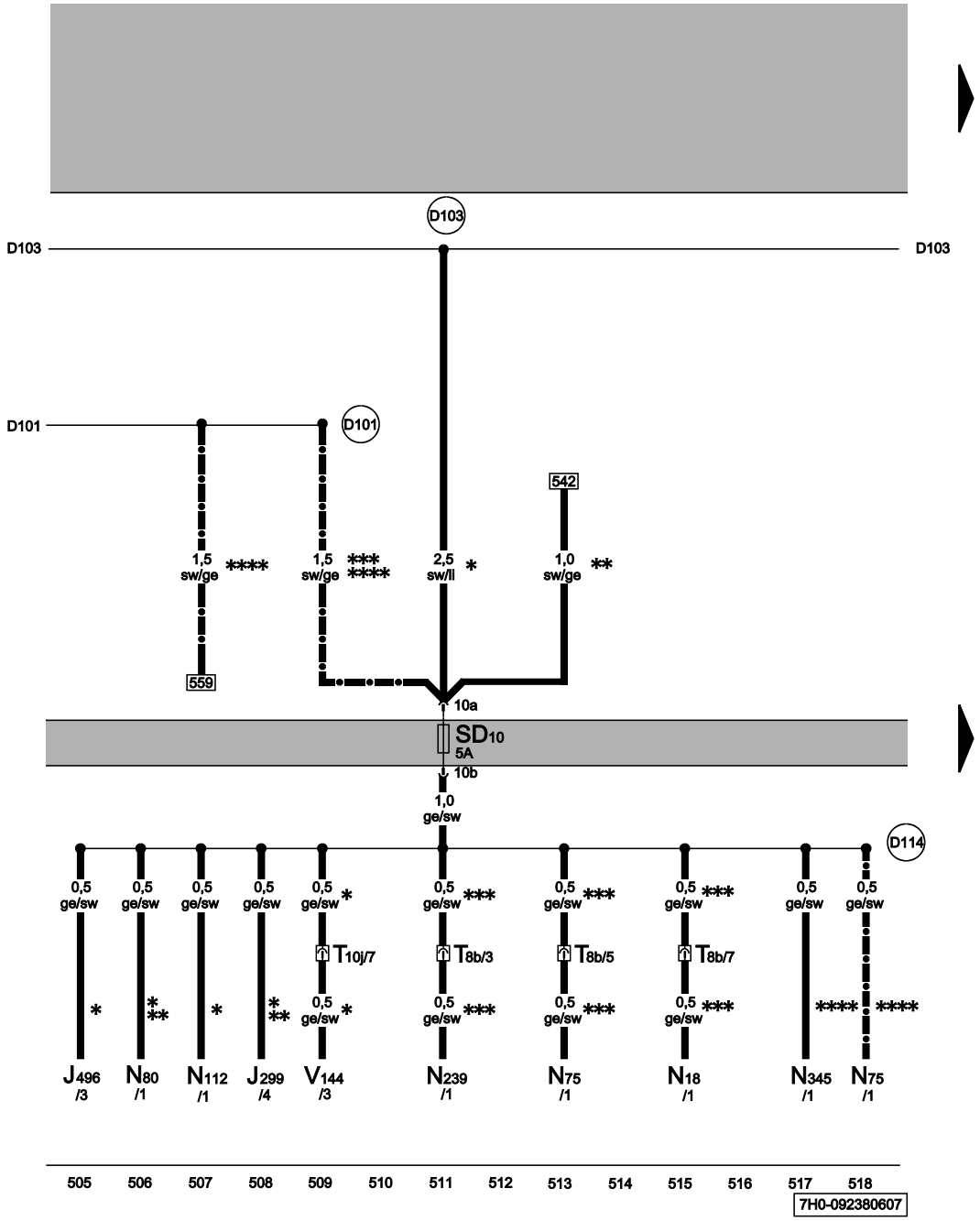


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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD1 and SD25

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N152	Ignition transformer
SD1	Fuse 1 on fuse holder D
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D14	Connection (ignition coil - control unit), in front right wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	⇒ radiator fan Current Flow Diagram
****	applicable from September 2005
<fo:exter	for models with engine codes BDL, BDM and BKK only

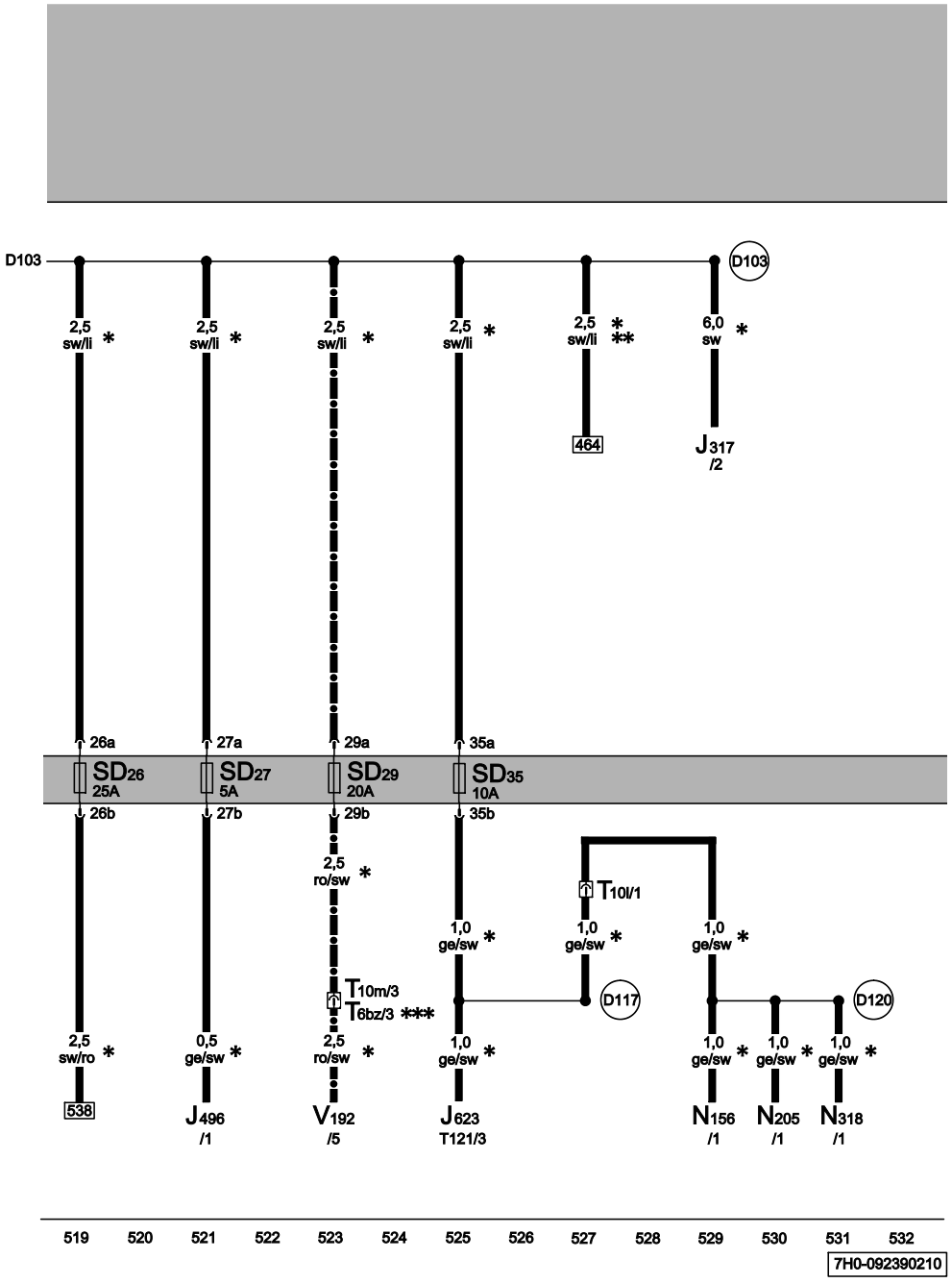
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ws = white
sw = black
ro = red
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li = purple
ge = yellow
or = orange
rs = pink

Fuse SD10

J299	Secondary air pump relay
J496	Additional coolant pump relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
V144	Fuel system diagnostic pump
D101	Connection 1, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
****	for models with engine codes BNZ and BPC only
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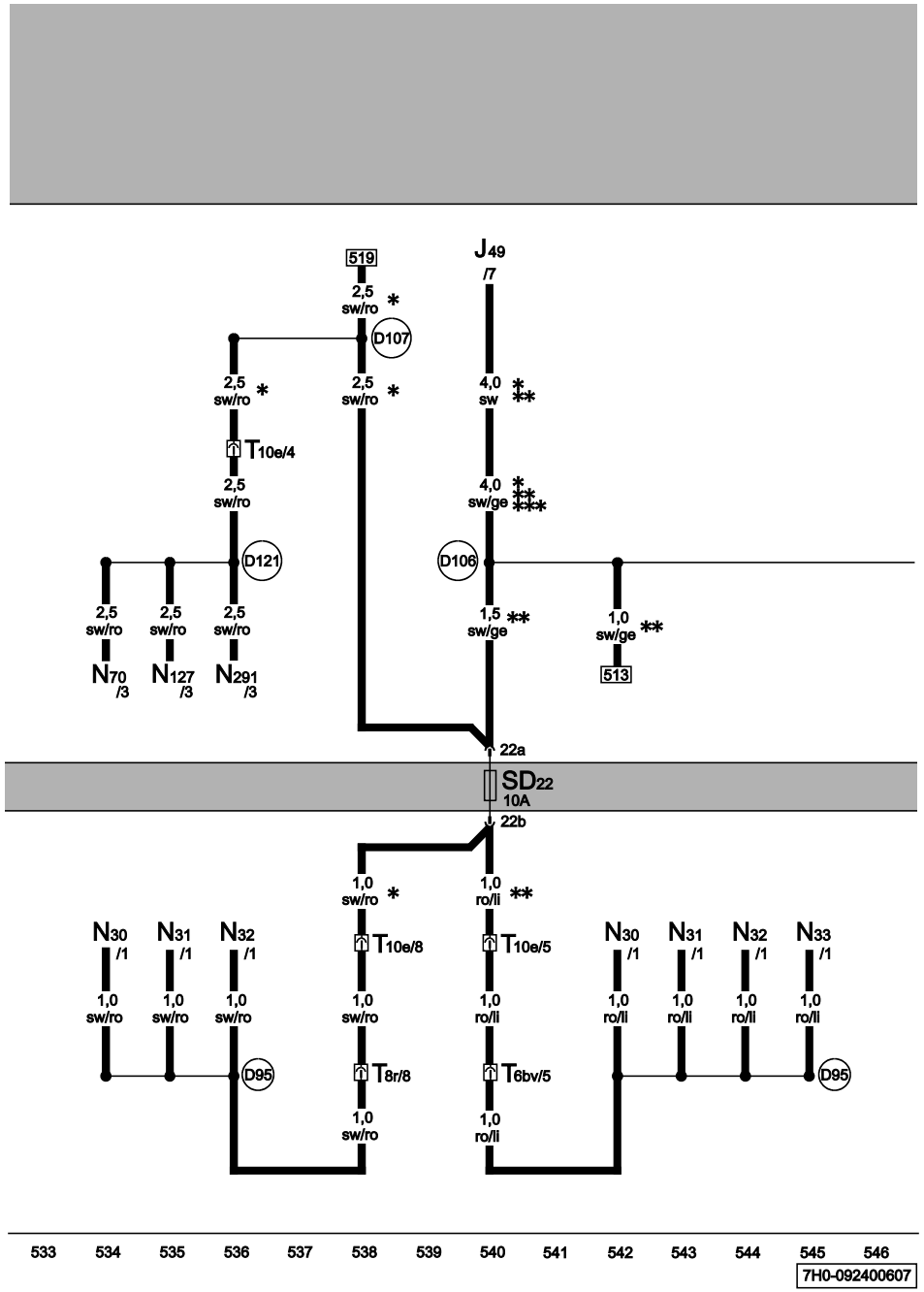


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD26, SD27, SD29 and SD35

J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD35	Fuse 35 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T121	121-pin connector
V192	Vacuum pump for brakes
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	applicable from July 2004
<fo:exter	for models with automatic gearbox only

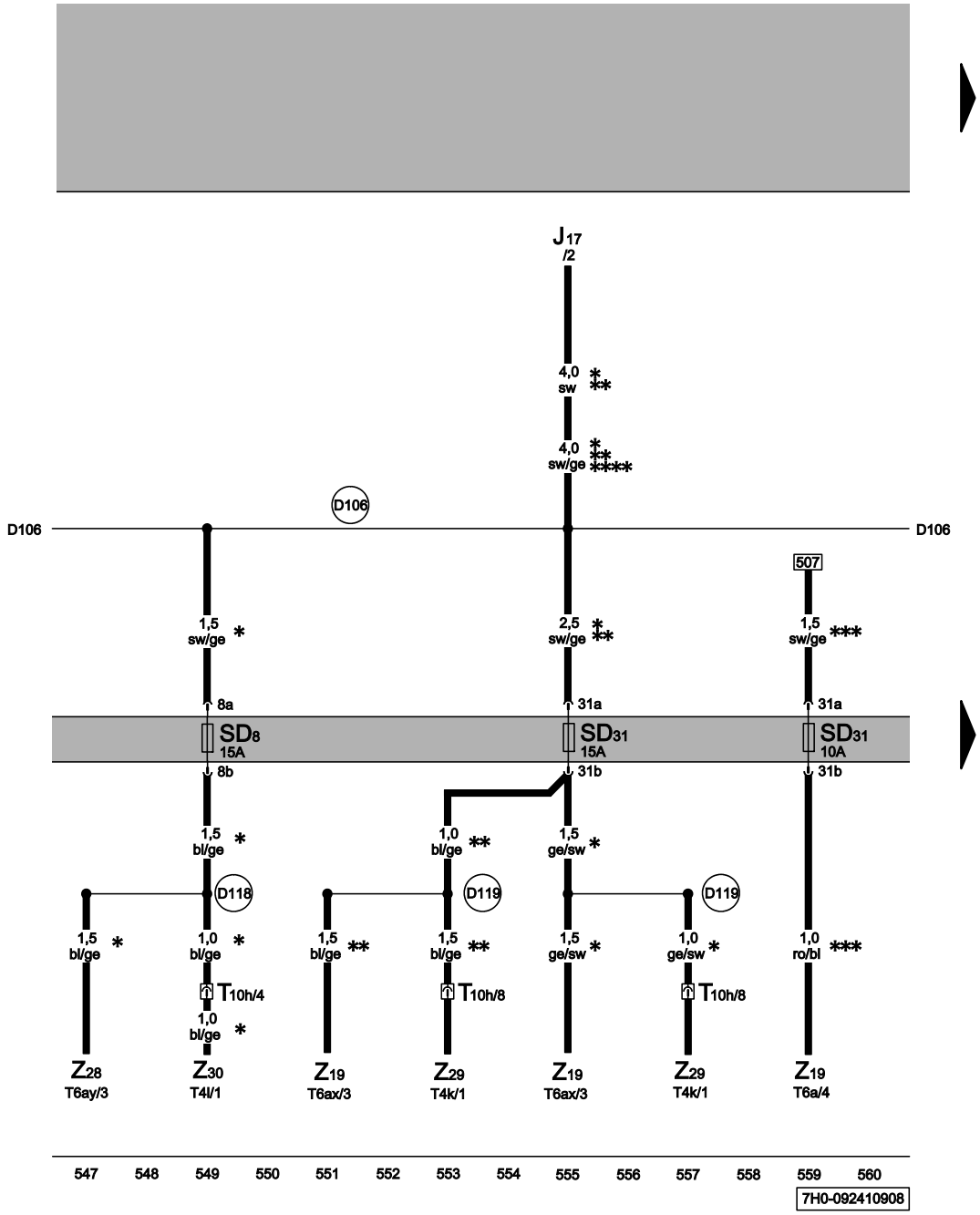
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Fuse SD22

J49	Electric fuel pump 2 relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD22	Fuse 22 on fuse holder D
T6bv	6-pin connector, black, near cylinder head
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	applicable from September 2005

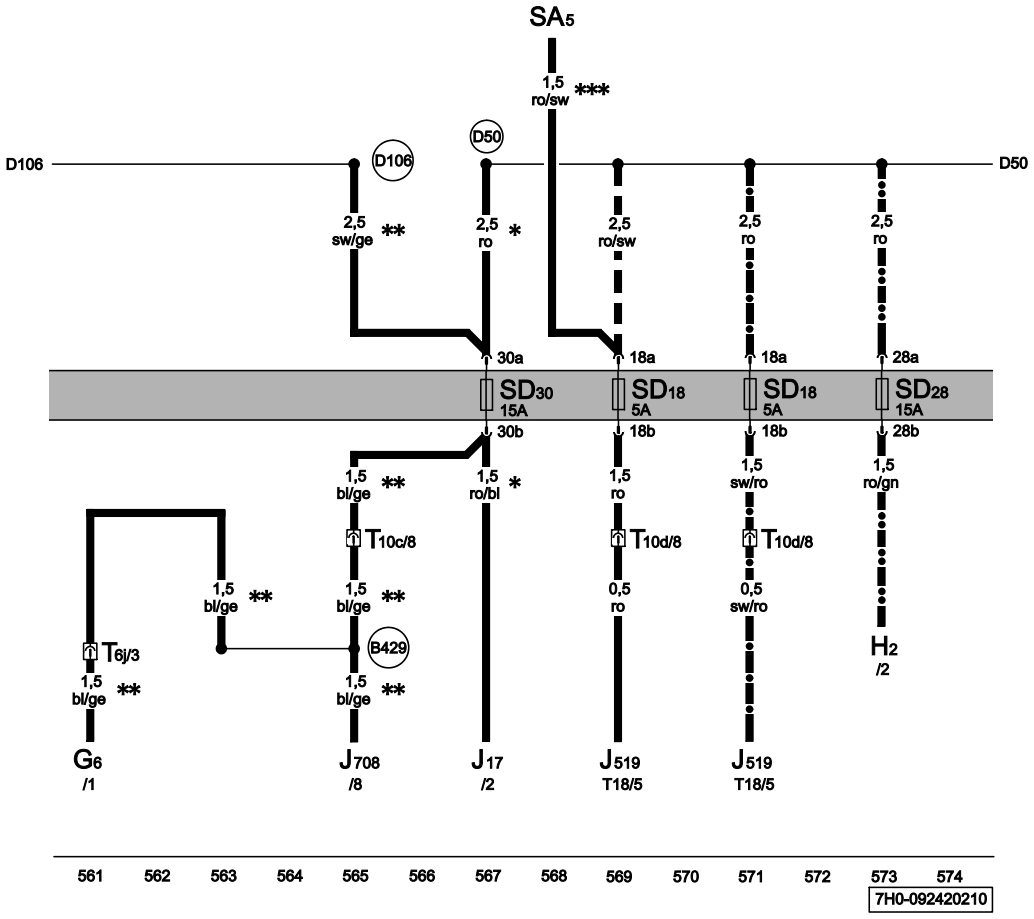
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rs	=	pink



ws = white
sw = black
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or = orange
rs = pink

Fuses SD8 and SD31

J17	Fuel pump relay
SD8	Fuse 8 on fuse holder D
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6a	6-pin connector, black, centre in engine compartment
T6ax	6-pin connector, black, in right engine compartment
T6ay	6-pin connector, brown, on left in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes BNZ, BPC, BRR and BRS only
****	applicable from September 2005



ws = white

Fuses SD18, SD28 and SD30

G6	Fuel system pressurisation pump
H2	Treble tone horn
J17	Fuel pump relay
J519	Onboard supply control unit
J708	Residual heat relay
SA5	Fuse 5 on fuse holder A
SD18	Fuse 18 on fuse holder D
SD28	Fuse 28 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only
***	applicable up to May 2004

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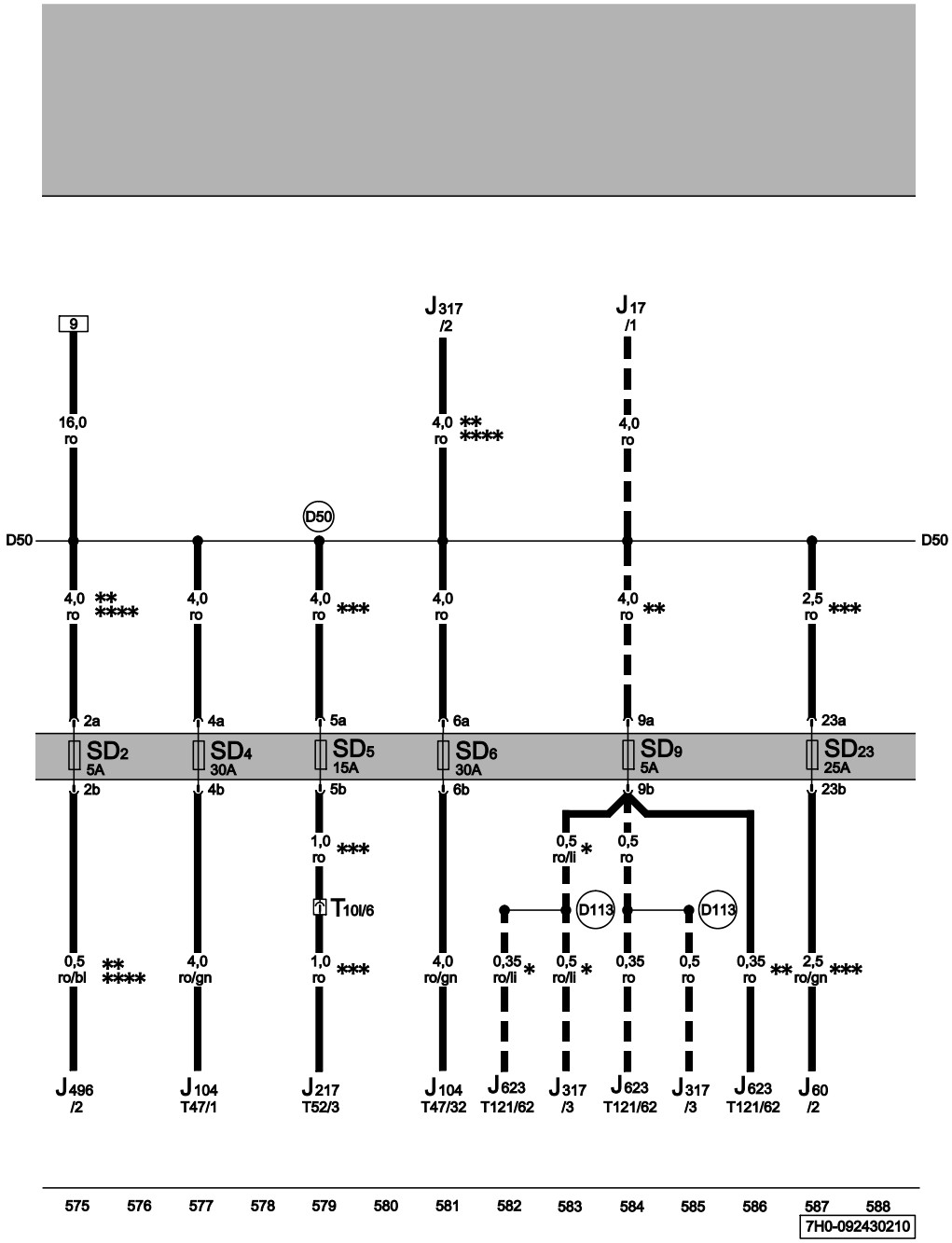
applicable from June 2004 up to August 2005

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applicable from September 2005

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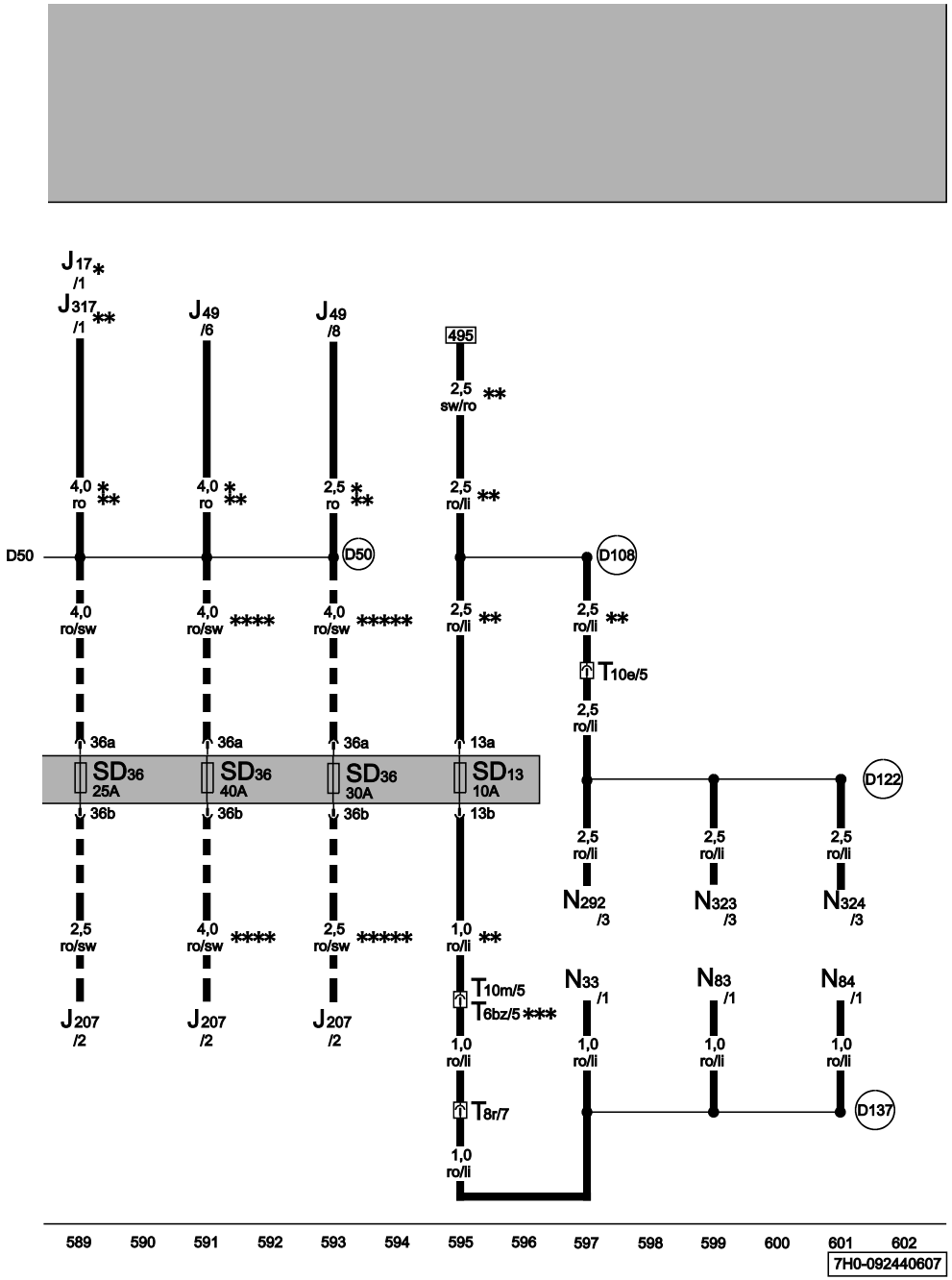
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse SD2, SD4, SD5, SD6, SD9 and SD23

J17	Fuel pump relay
J60	Automatic gearbox relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD23	Fuse 23 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable from September 2005
**	for models with engine code AXA only
***	for models with automatic gearbox only
****	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
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Fuses SD13 and SD36

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD36	Fuse 36 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
***	applicable from June 2004
****	applicable from June 2004 up to December 2004
*****	applicable from January 2006
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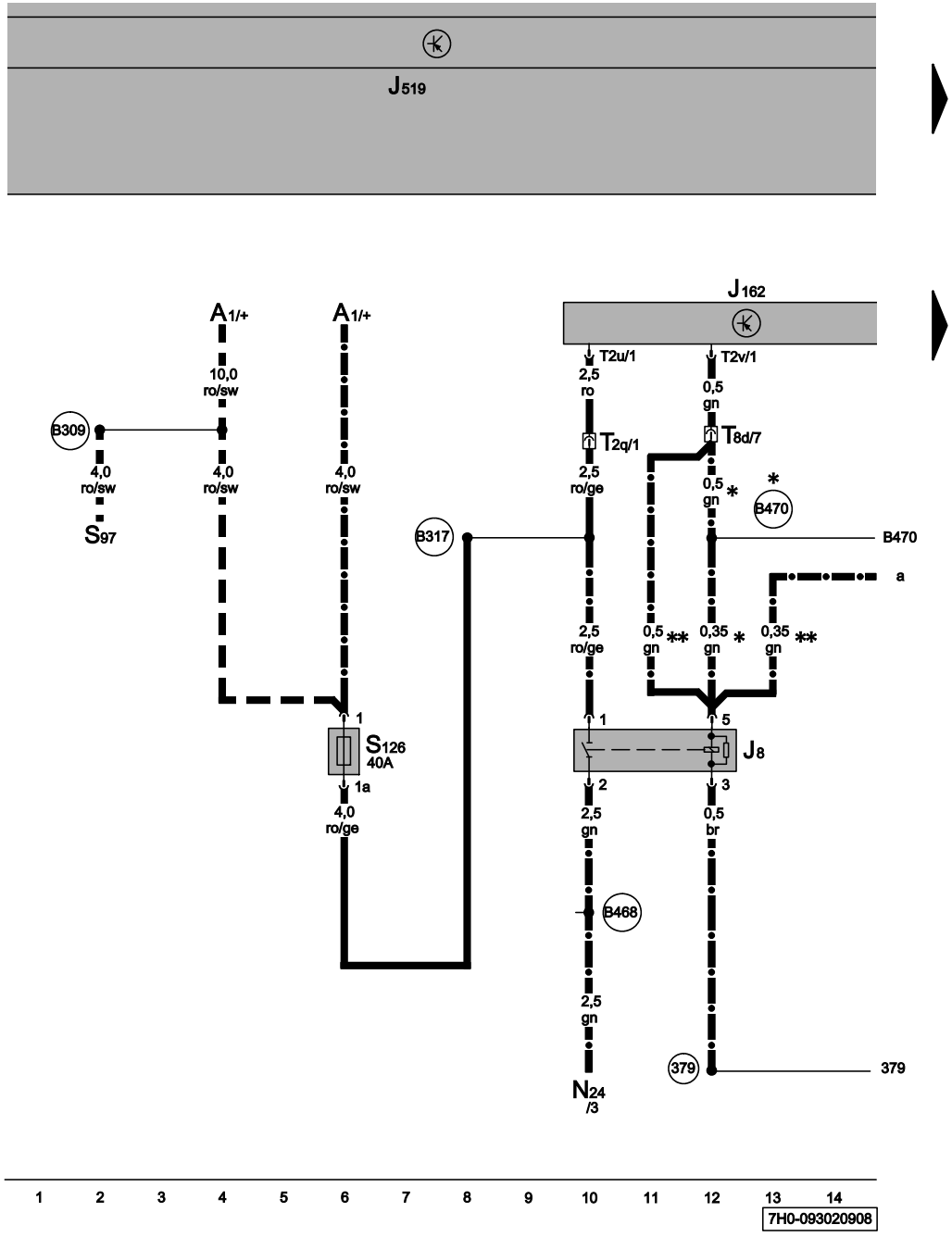
Auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D

⇒ **with time switch clock (7VE)**
⇒ **with remote control (7VL)**
⇒ **Utilisation of residual heat**
from June 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Heater control unit, auxiliary heater fuse, auxiliary heater relay

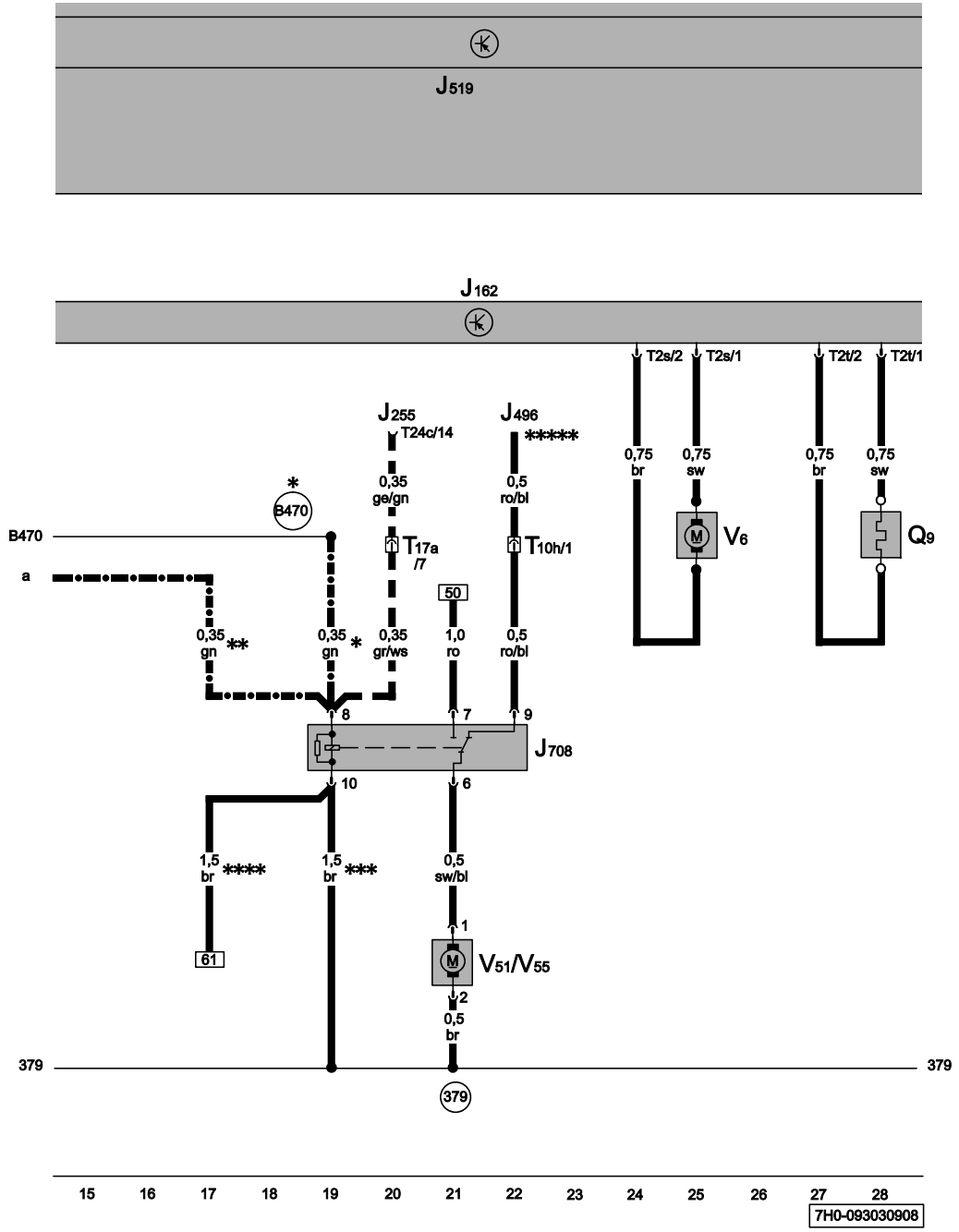
A1	Second battery
J8	Auxiliary heater relay
J162	Heater control unit
J519	Onboard supply control unit
N24	Fresh air blower series resistor with overheating fuse
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
379	Earth connection 14, in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness
B470	Connection 6 in main wiring harness
*	applicable up to June 2004
**	applicable from July 2004

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for models without Climatronic only

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rs	=	pink

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uniform"/
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Heater control unit, residual heat relay, circulation pump, continued coolant circulation pump, glow plug for heater, combustion air blower

J162	Heater control unit
J255	Climatronic control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
J708	Residual heat relay
Q9	Glow plug for heater
T2s	2-pin connector
T2t	2-pin connector
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V6	Combustion air blower
V51	Continued coolant circulation pump
V55	Circulation pump
379	Earth connection 14, in main wiring harness
B470	Connection 6 in main wiring harness
*	applicable up to June 2004
**	applicable from July 2004
***	applicable up to May 2005
****	applicable from June 2005
*****	⇒ engine Current Flow Diagram

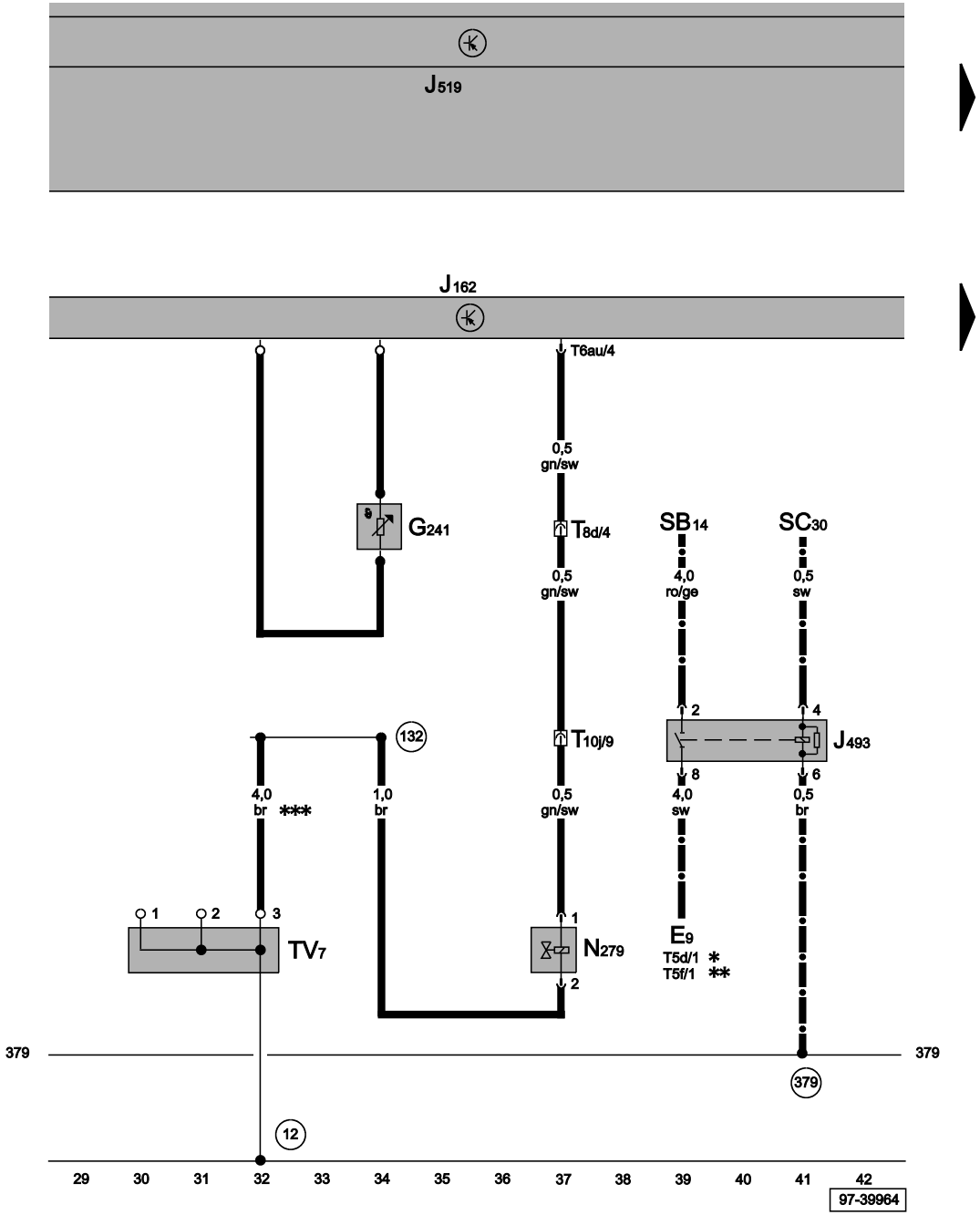
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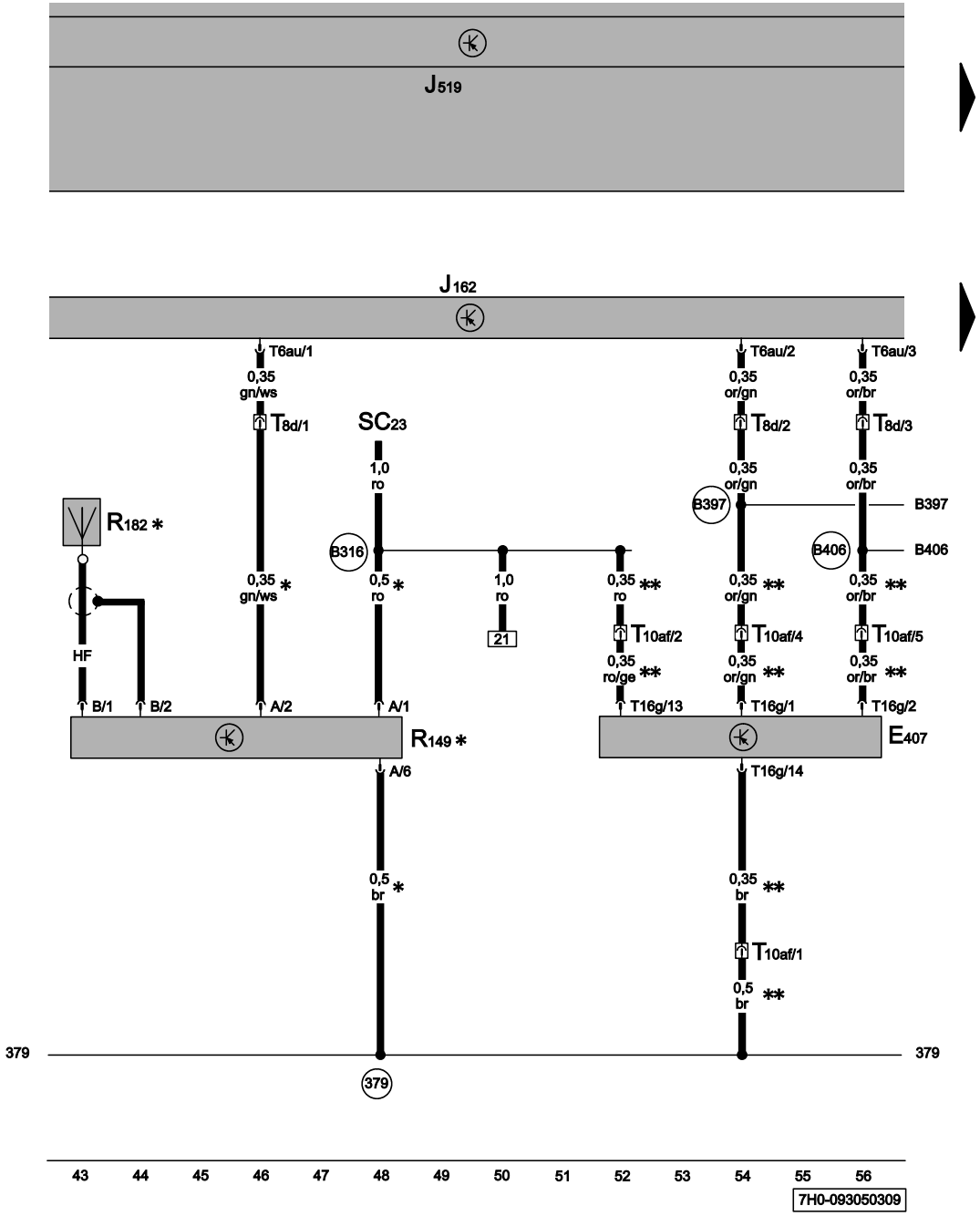
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br = brown
gn = green
bl = blue
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ge = yellow
or = orange
rs = pink

Heater control unit, auxiliary coolant heater relay, coolant temperature sender for heater, heater coolant shut-off valve

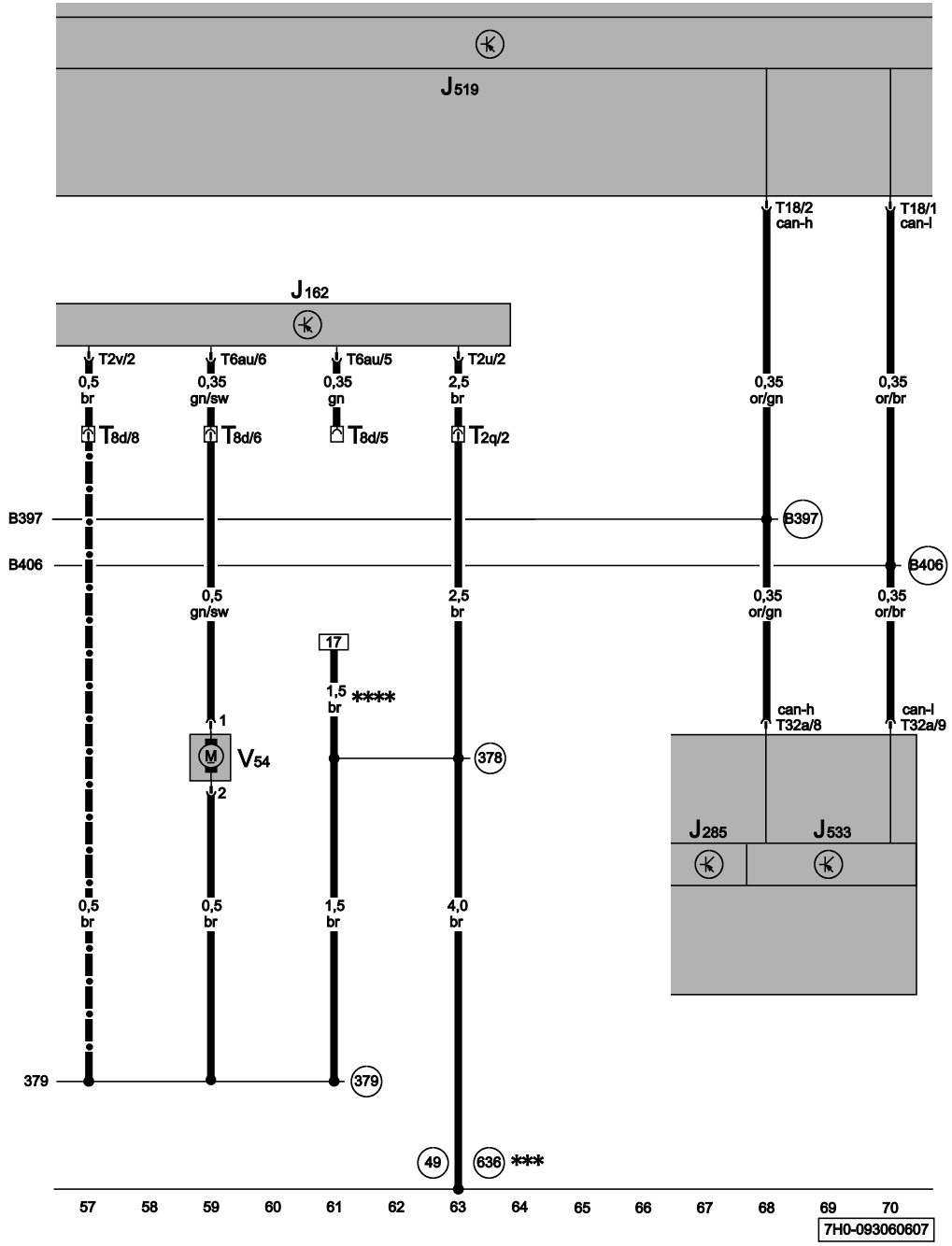
E9	Fresh air blower switch
G241	Coolant temperature sender for heater
J162	Heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
N279	Heater coolant shut-off valve
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T5f	5-pin connector
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
379	Earth connection 14, in main wiring harness
*	for models with air conditioning system only
**	for models without air conditioning system only
***	Cross-section 6.0 for engine codes AXA, BDL, BDM and BKK only
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Heater control unit, auxiliary heater operating and display unit, remote control receiver for auxiliary coolant heater, auxiliary heater aerial

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J519	Onboard supply control unit
R149	Remote control receiver for auxiliary coolant heater
R182	Auxiliary heater aerial
SC23	Fuse 23 on fuse holder C
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
379	Earth connection 14, in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with remote control receiver for auxiliary coolant heater only
**	for models with auxiliary heater operating and display unit only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, metering pump, control unit in dash panel insert

J162	Heater control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T18	18-pin connector, black
T32a	32-pin connector, green
V54	Metering pump
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
***	applicable from January 2006
****	applicable from June 2005
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12 V sockets

⇒ **for models without second battery only**

⇒ **Multivan, camper, shuttle**

from June 2004

Notes:

For information concerning

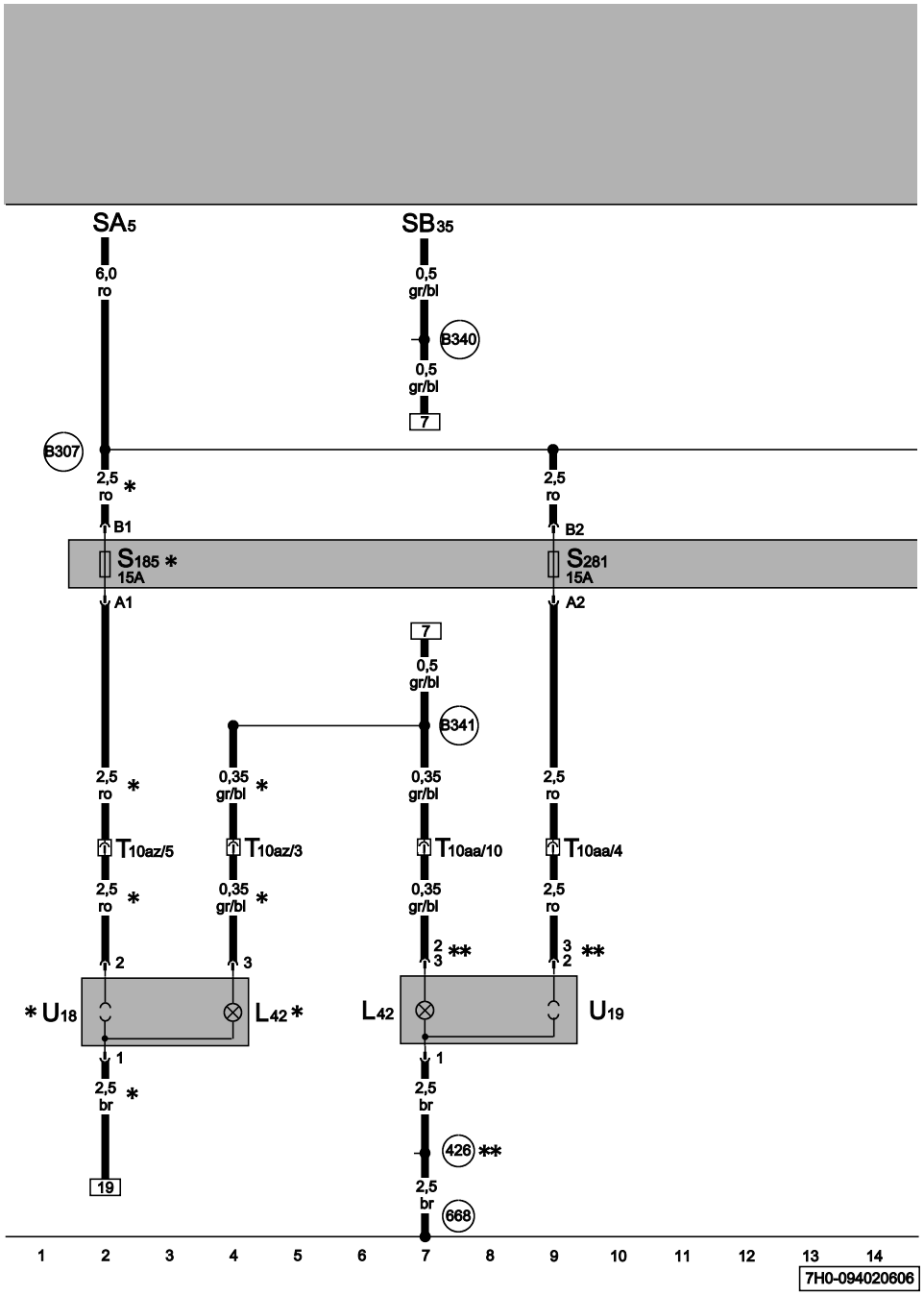
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

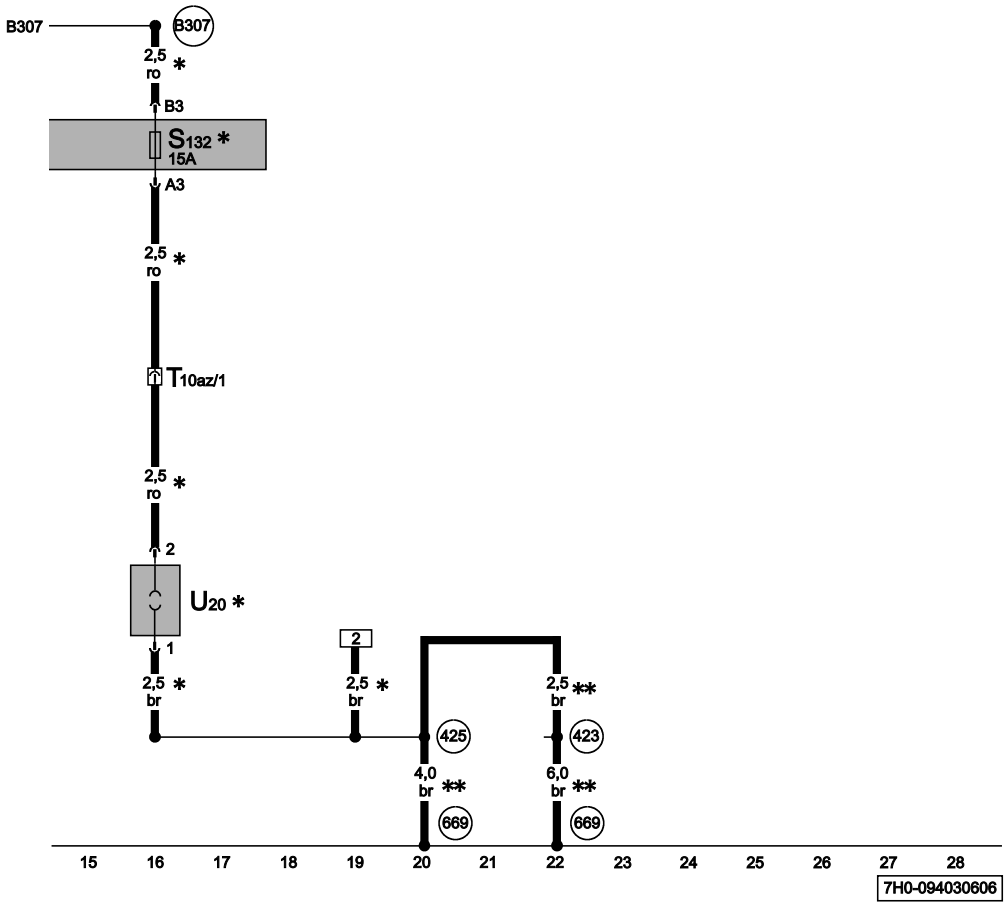
⇒ guided fault finding



Fuses, 12 V sockets

L42	Socket illumination bulb
S185	Electric socket 2 fuse
S281	Electric socket 3 fuse
SB35	Fuse 35 on fuse holder
SA5	Fuse 5 on fuse holder A
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U19	12 V socket 3
426	Earth connection 3, in left rear end wiring harness
668	Earth point 2, left D-pillar
B307	Positive connection 11 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	multivan and camper only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses, 12 V socket

S132	Fuse 2
T10az	10-pin connector, white, coupling station under front passenger seat
U20	12 V socket 4
423	Earth connection 1, in right rear end wiring harness
425	Earth connection 2, in right rear end wiring harness
669	Earth point 2, right D-pillar
B307	Positive connection 11 (30), in main wiring harness
*	For multivan and camper only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

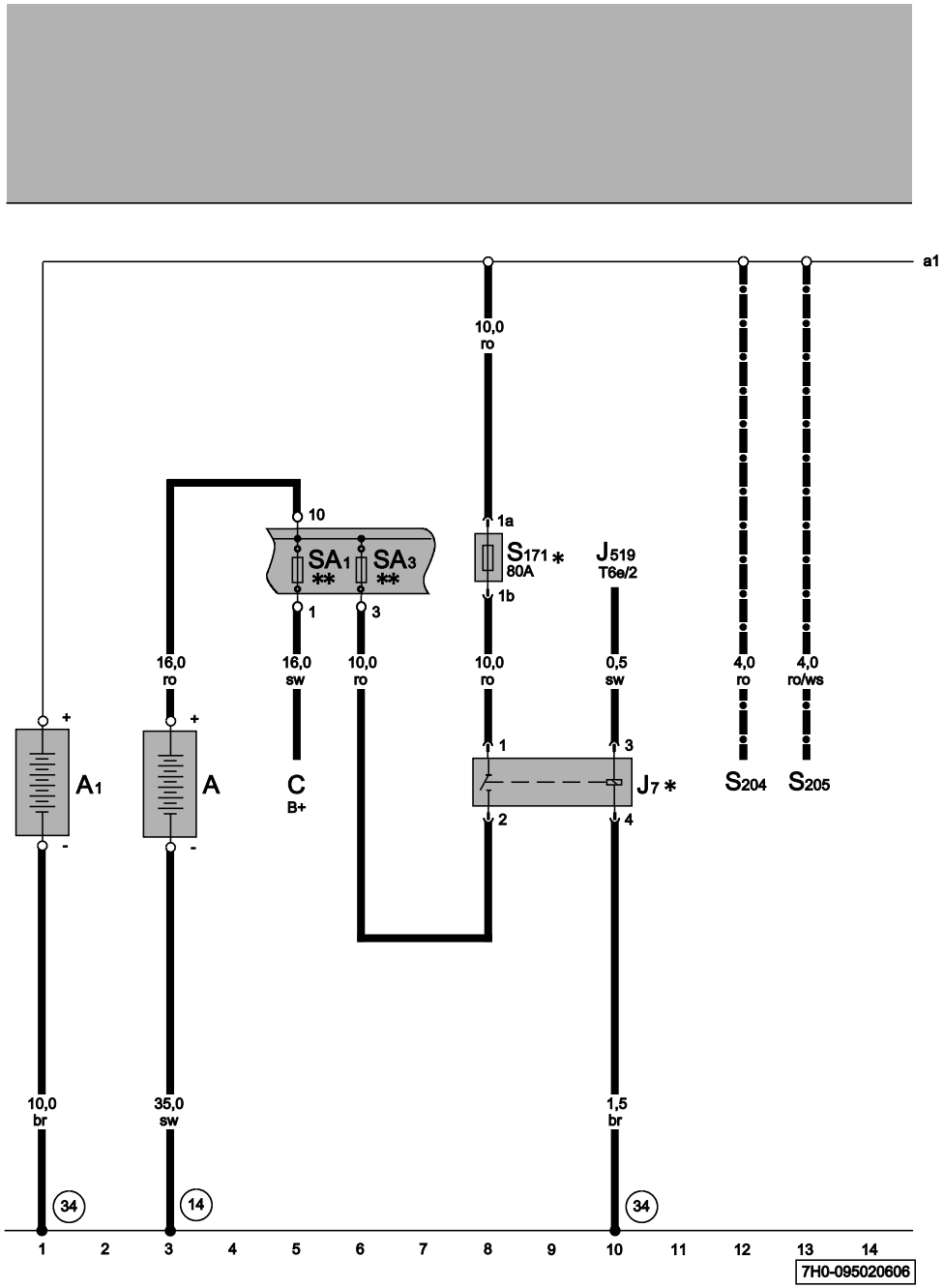
Second battery

⇒ **For models without battery for special vehicles only**
from March 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



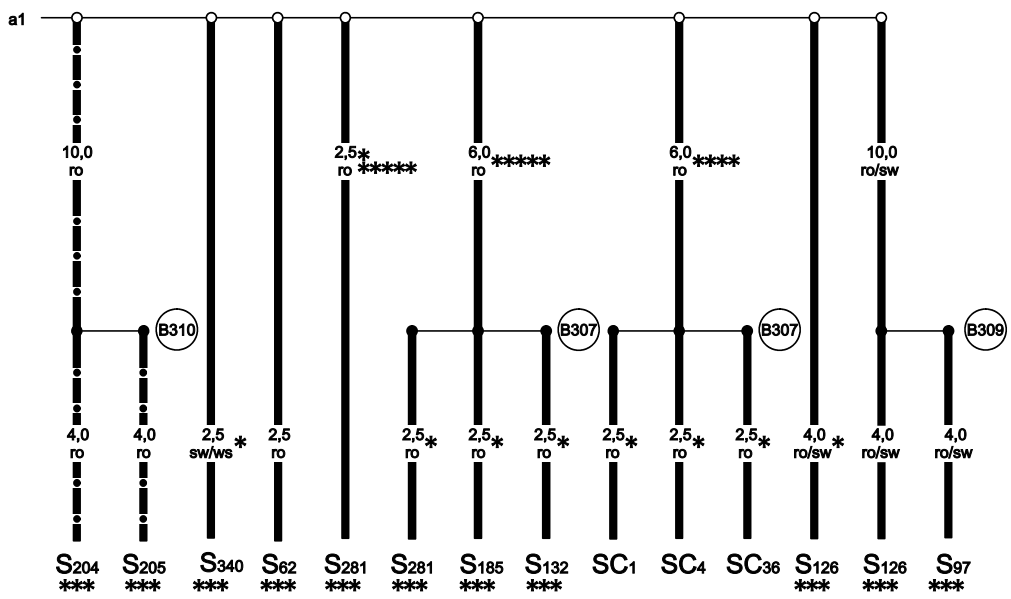
Battery, second battery, battery isolation relay, fuses

A	Battery
A1	Second battery
C	Alternator
J7	Battery isolation relay
S171	Battery isolation relay fuse
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA1	Fuse 1 on fuse holder A
SA3	Fuse 3 on fuse holder A
14	Earth point, on gearbox
34	Earth point, under driver seat
*	on left in seat box, ⇒ Fitting Locations
**	⇒ Fitting Locations

<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>

for models with electric sliding door only ⇒ Current Flow Diagram electric sliding door

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses

S62	Auxiliary heater fuse
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
S132	Fuse 2
S185	Electric socket 2 fuse
S204	Fuse 1 (30)
S205	Fuse 2 (30)
S281	Electric socket 3 fuse
S340	Cool box fuse
SC1	Fuse 1 on fuse holder C
SC4	Fuse 4 on fuse holder C
SC36	Fuse 36 on fuse holder C
B307	Positive connection 11 (30), in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
B310	Positive connection 14 (30), in main wiring harness
*	depends on equipment ⇒ Sockets Current Flow Diagram
**	Depends on equipment
***	on left in seat box ⇒ Fitting Locations
****	applicable up to May 2004
*****	applicable from June 2004
<fo:exter	for models with electric sliding door only ⇒ Current Flow Diagram
nal-	electric sliding door

graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>

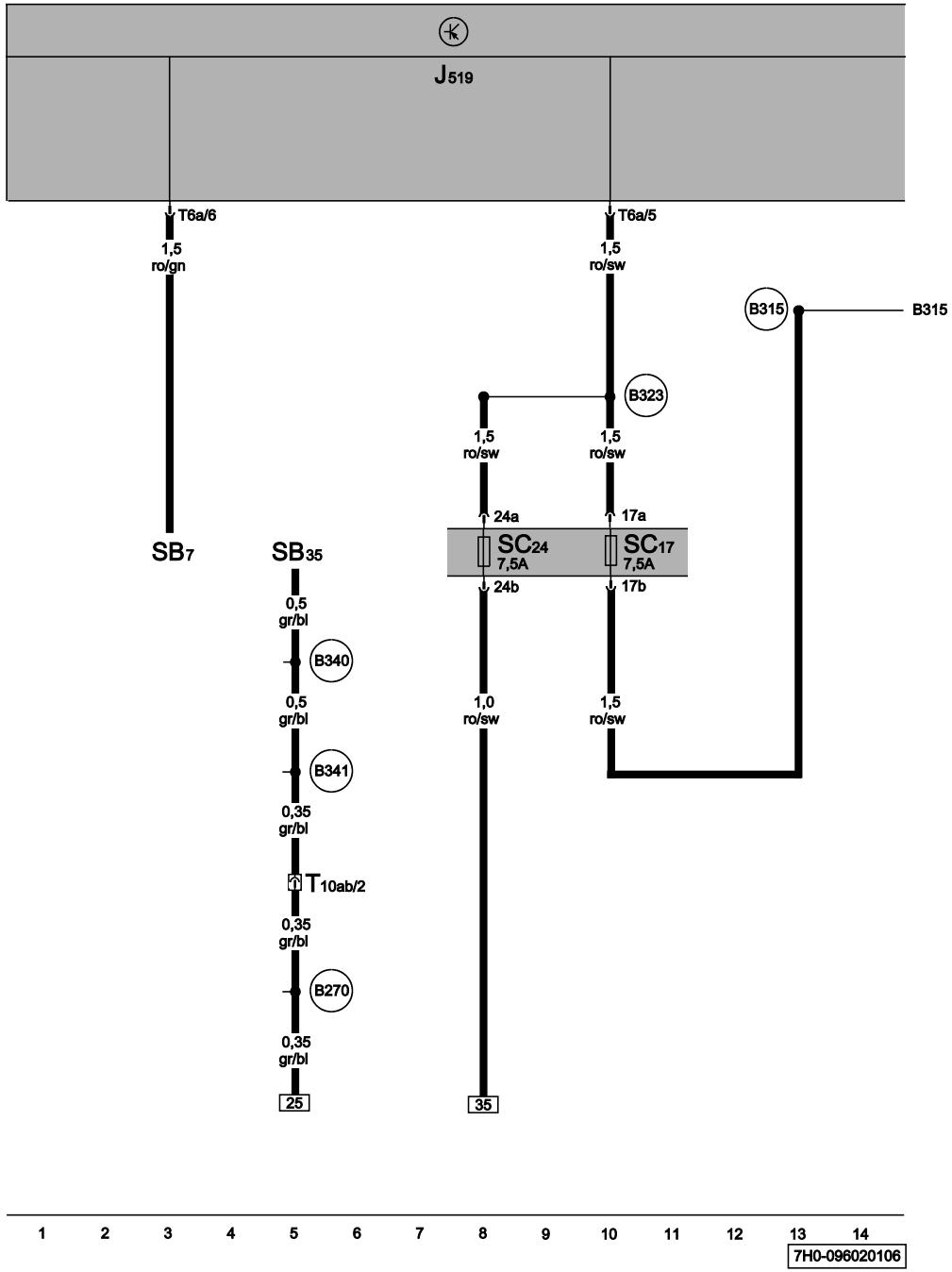
Utility vehicles interior lighting with roof console in headlining

⇒ **box-type delivery van or hybrid vehicle**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

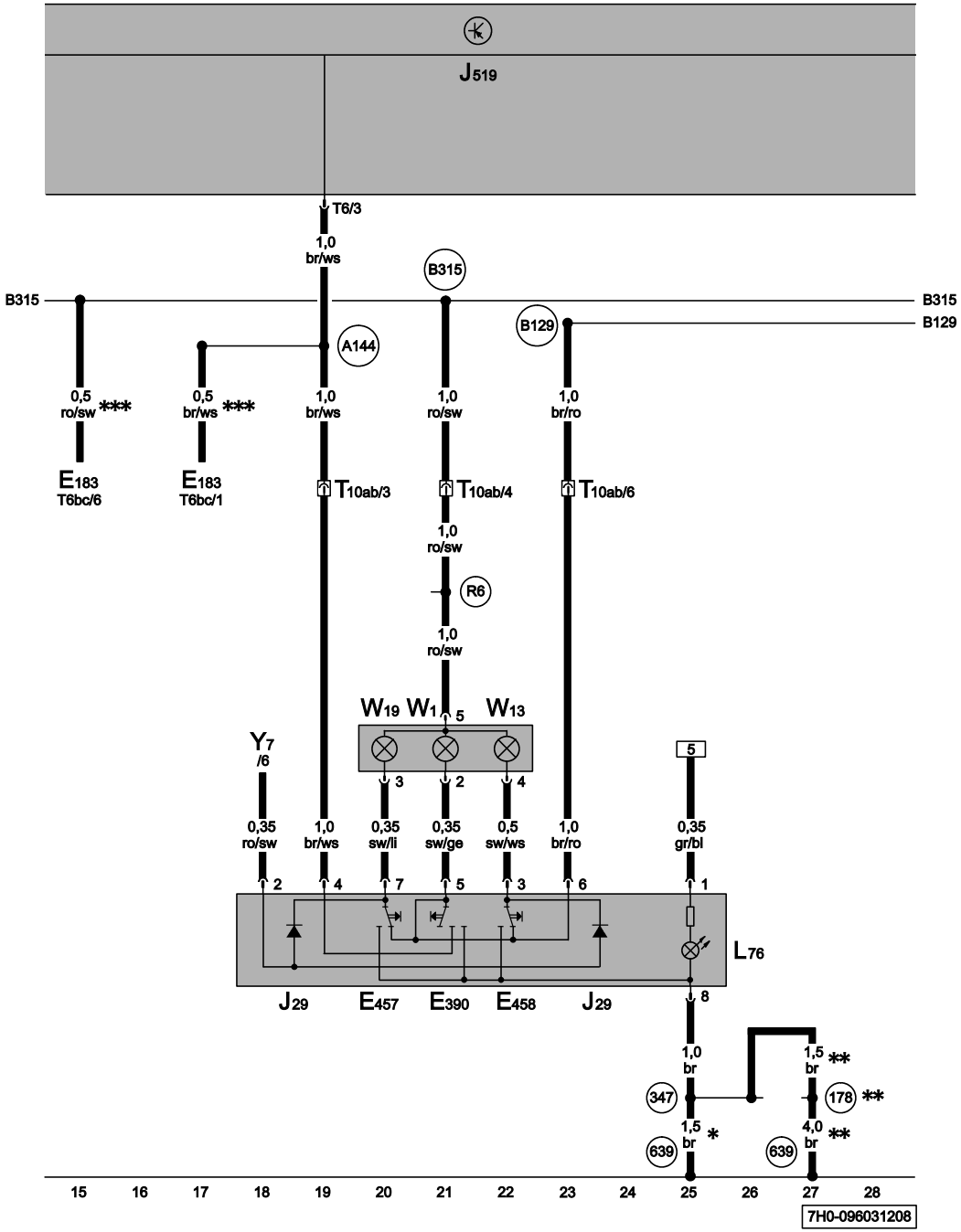
⇒ guided fault finding



Fuses

J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

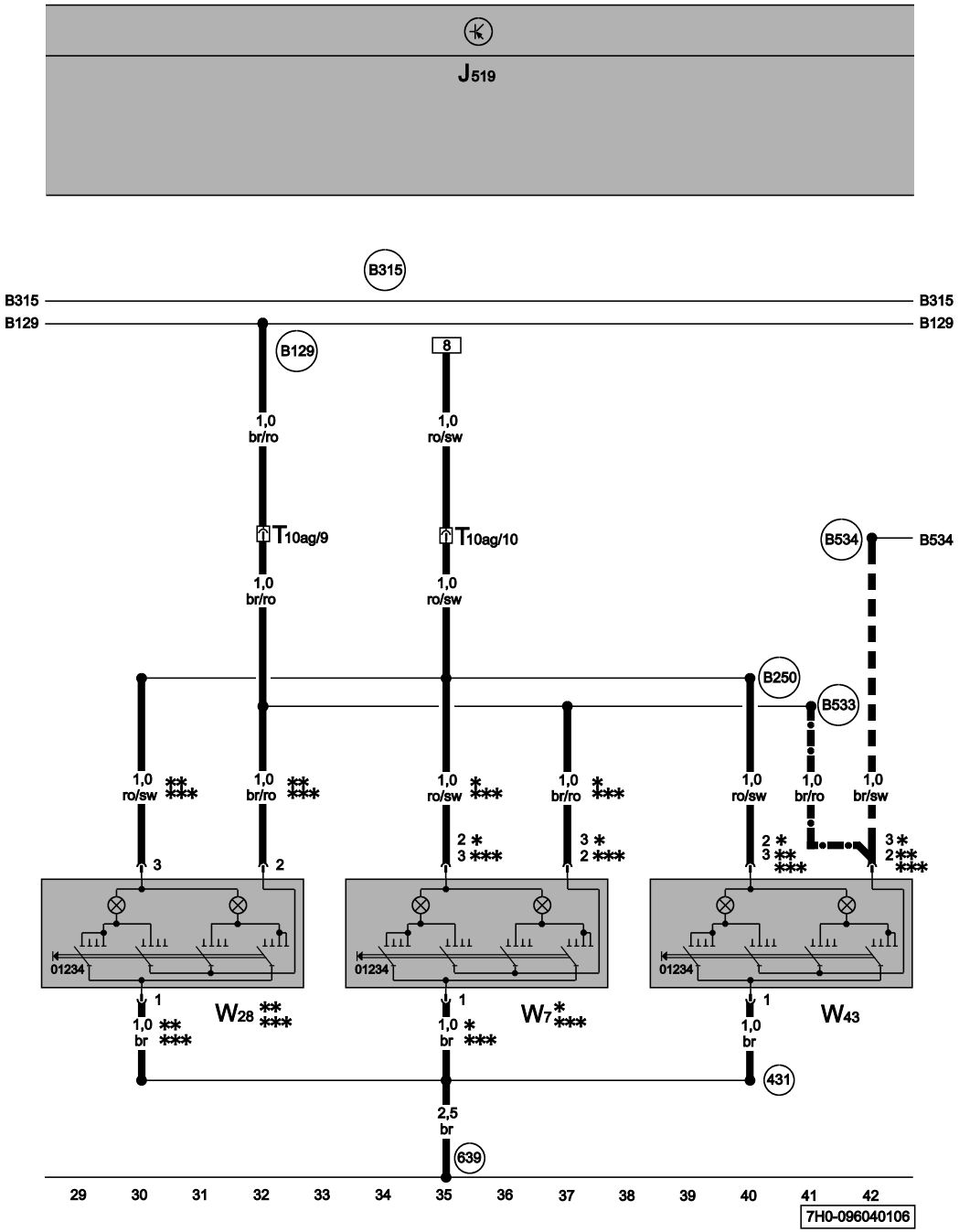
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



ws = white

Front interior light, centre and rear (for models with sliding doors only)

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with flat roof only
**	for models with middle hight roof only
***	for models with high roof only

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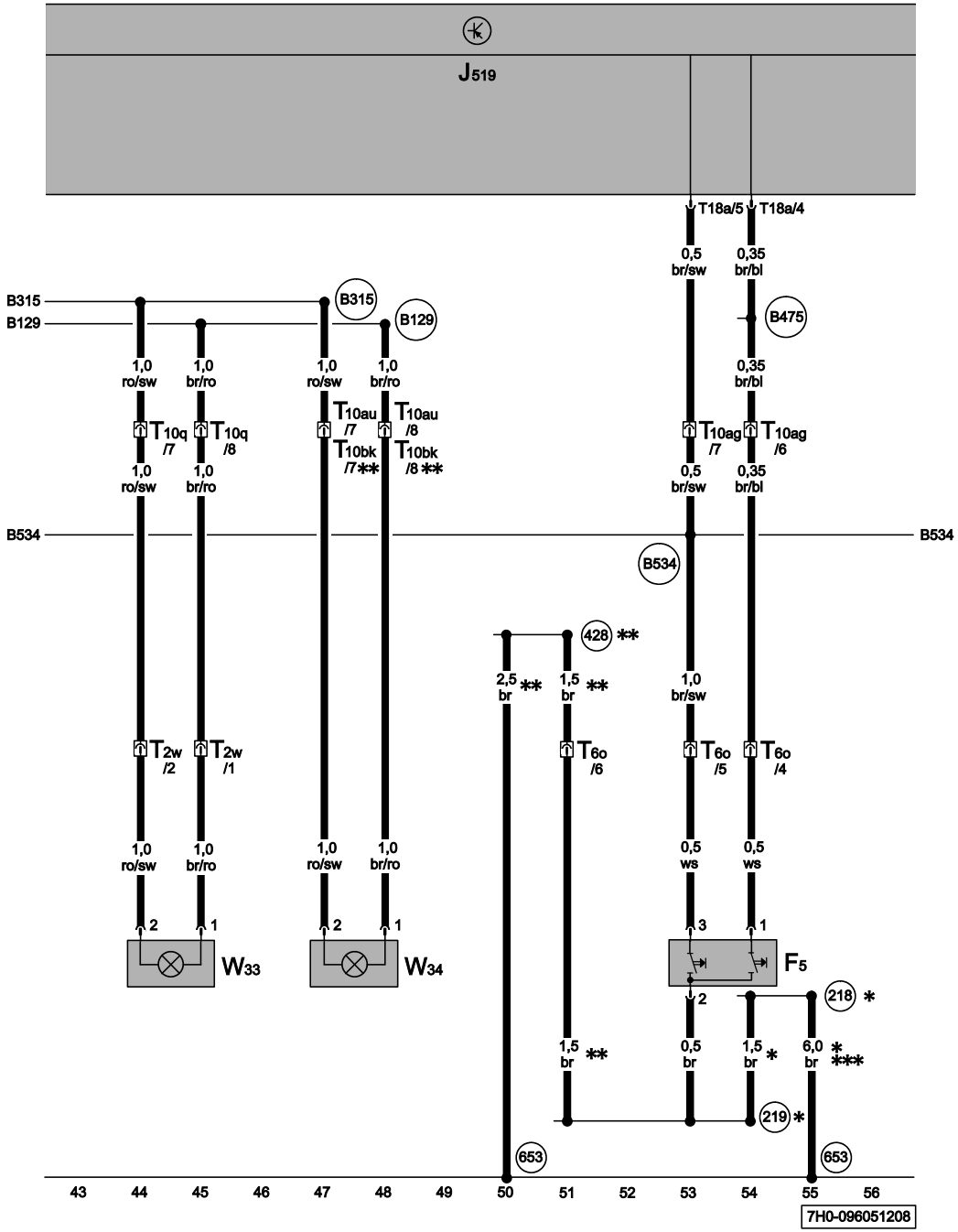
applicable up to December 2004

<fo:external-graphic

applicable from January 2005

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

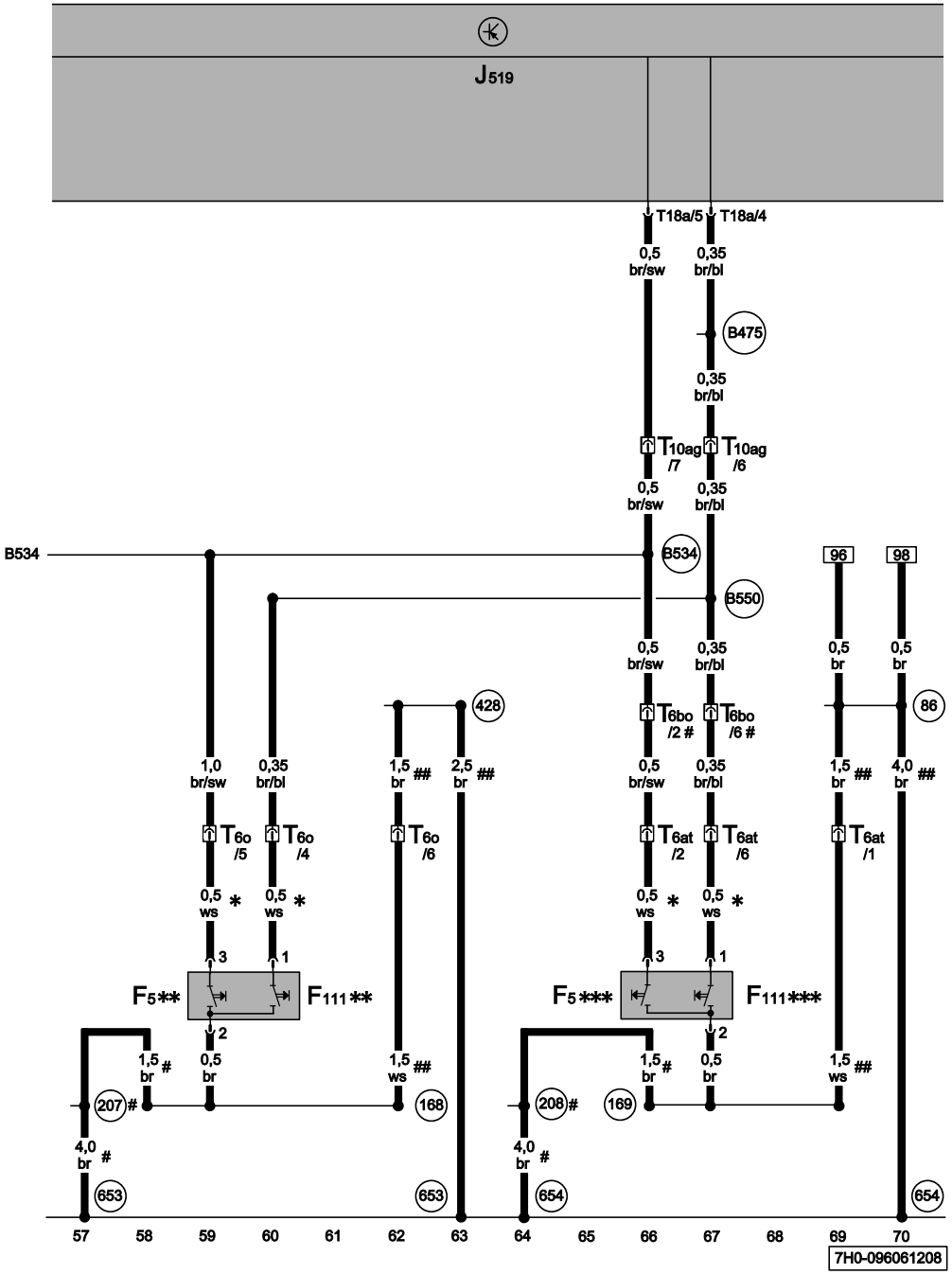
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

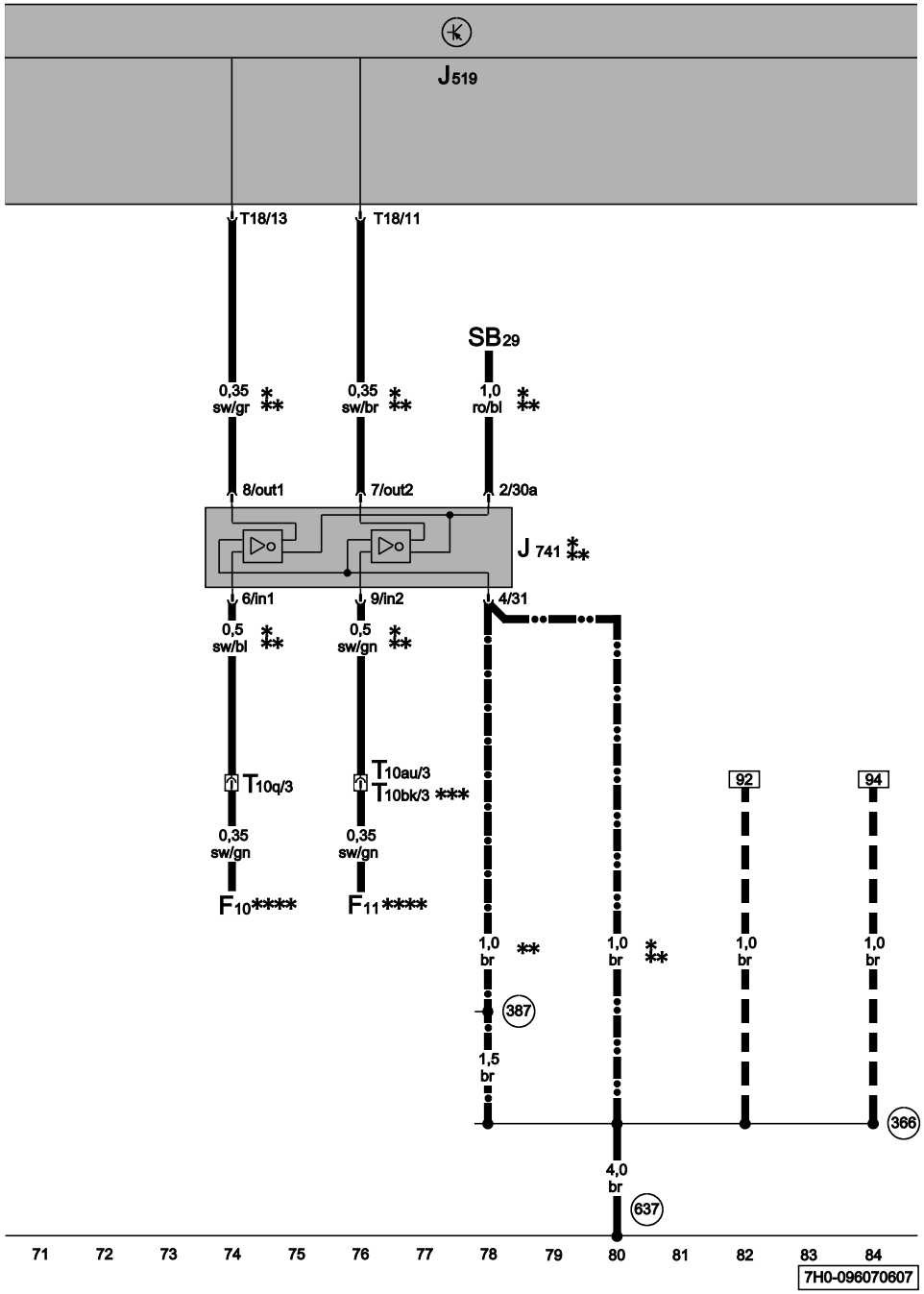
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable up to December 2004
**	applicable from January 2005
***	Cross-section 4.0 possible



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
86	Earth connection 1, in rear wiring harness
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
207	Earth connection, in rear left door wiring harness
208	Earth connection, in rear right door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	wire colour is white and wire is printed
**	On door lock in left rear wing door
***	On door lock in right rear wing door
#	applicable up to December 2004
##	applicable from January 2005



ws = white

Dual signal inverter relay

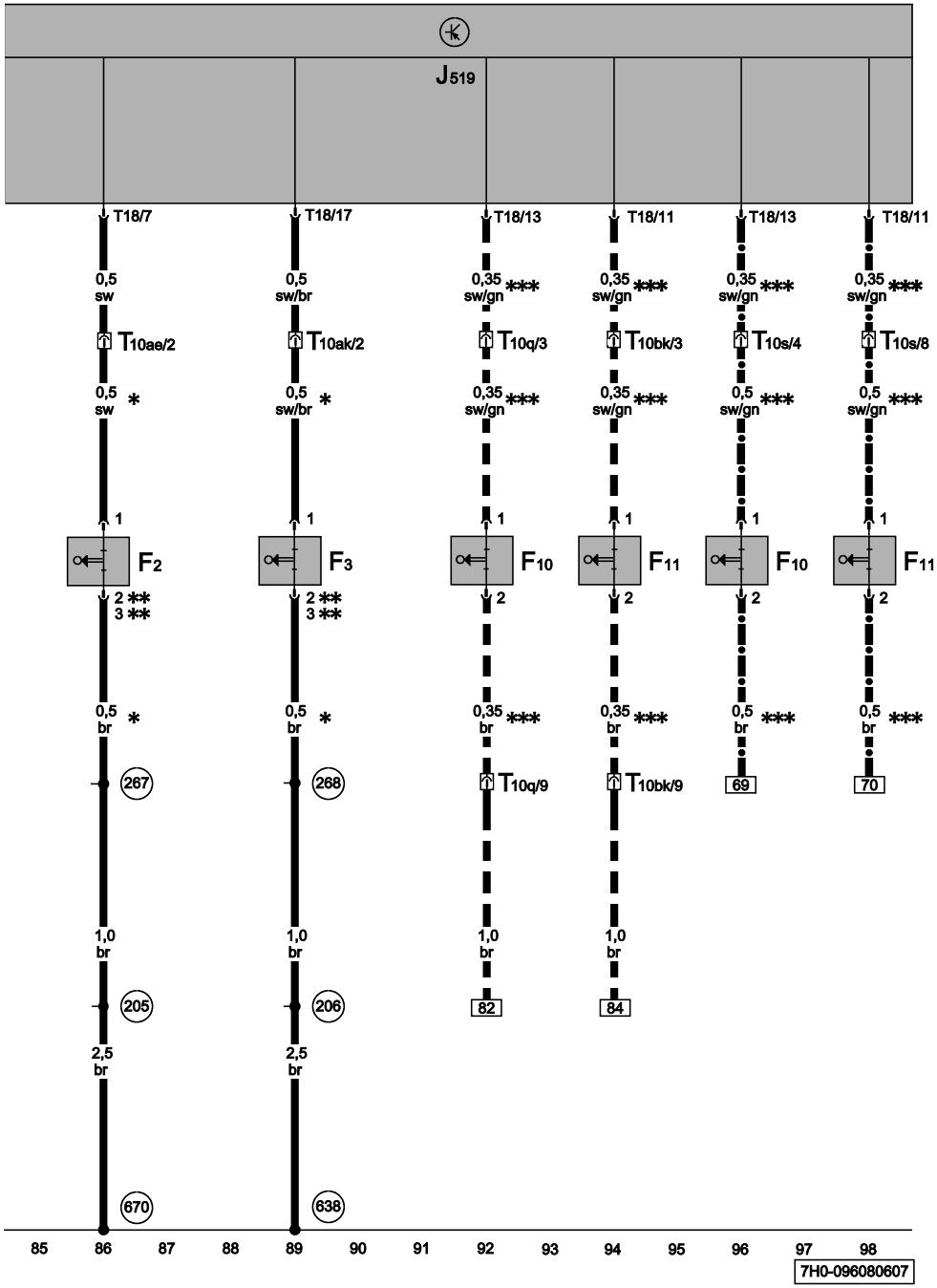
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to December 2004, only models with mechanical sliding door
**	applicable from January 2005, for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2005
****	⇒ Current Flow Diagram: convenience system

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applicable from January 2005 up to December 2005

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applicable from January 2006

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uniform"/
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only

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applicable from January 2005 up to December 2005

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applicable from January 2006

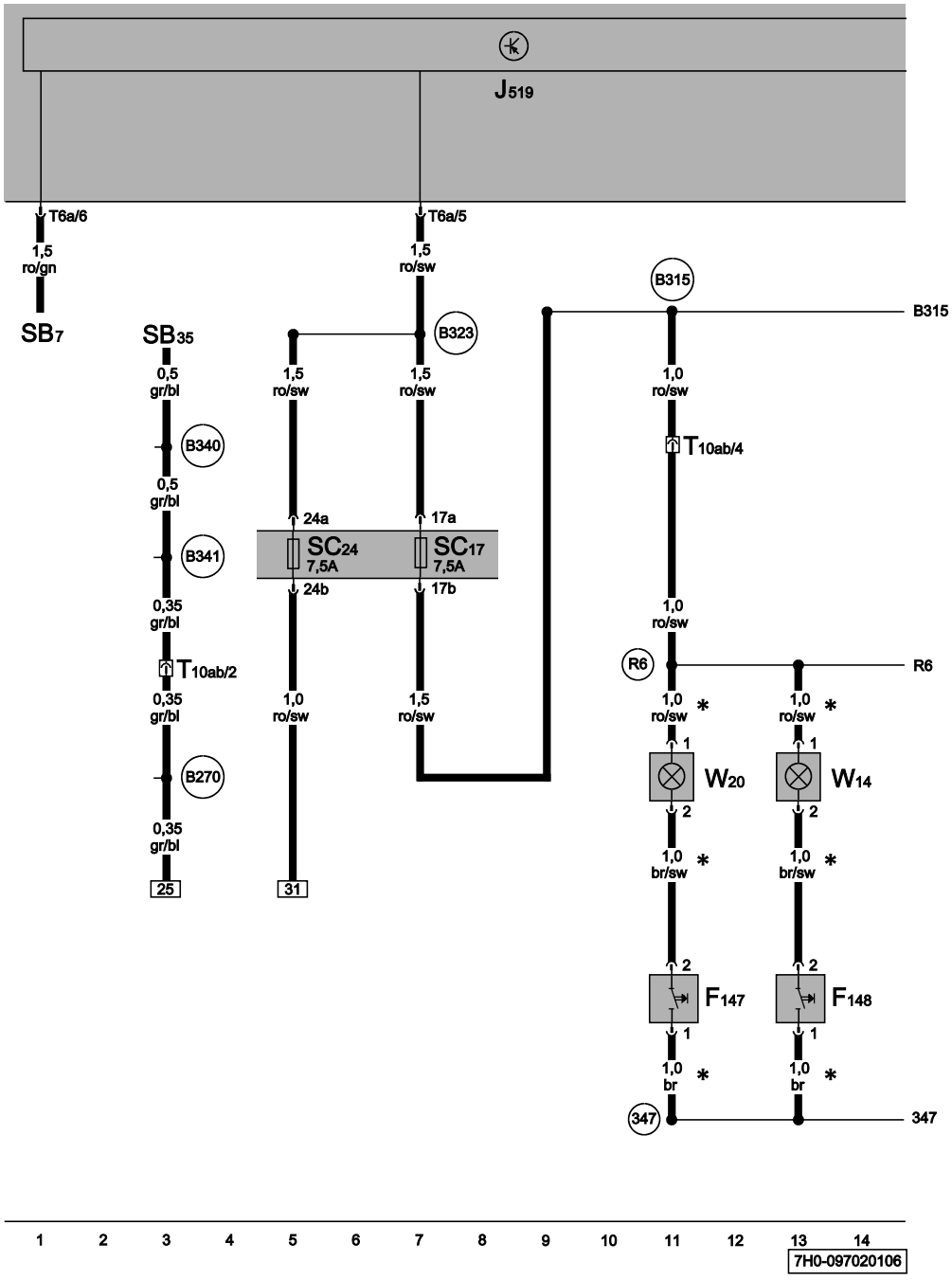
Interior lighting multivan and camper

⇒ **Illuminated vanity mirror**
⇒ **Luggage compartment light**
⇒ **Step illumination**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

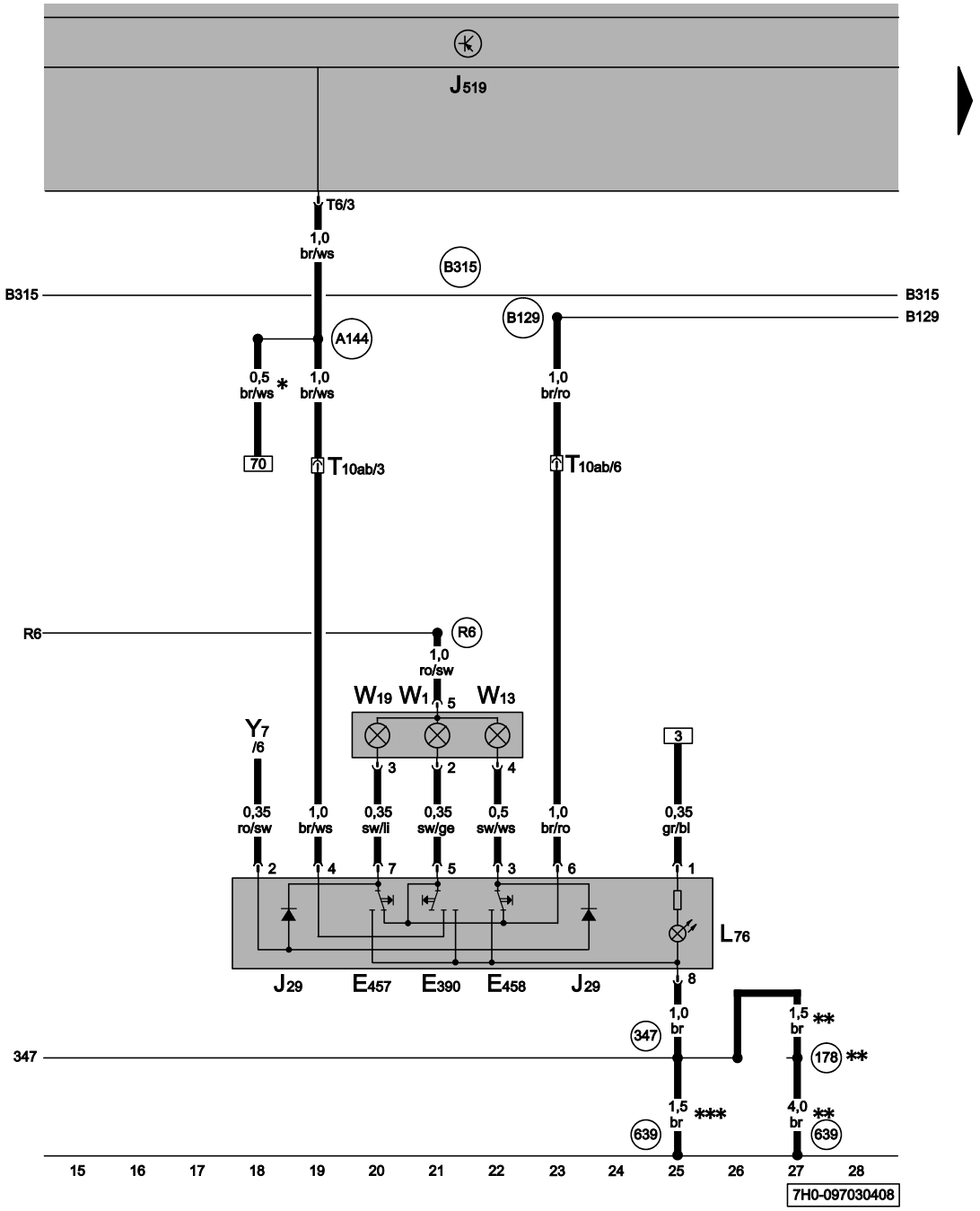
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, illuminated vanity mirror

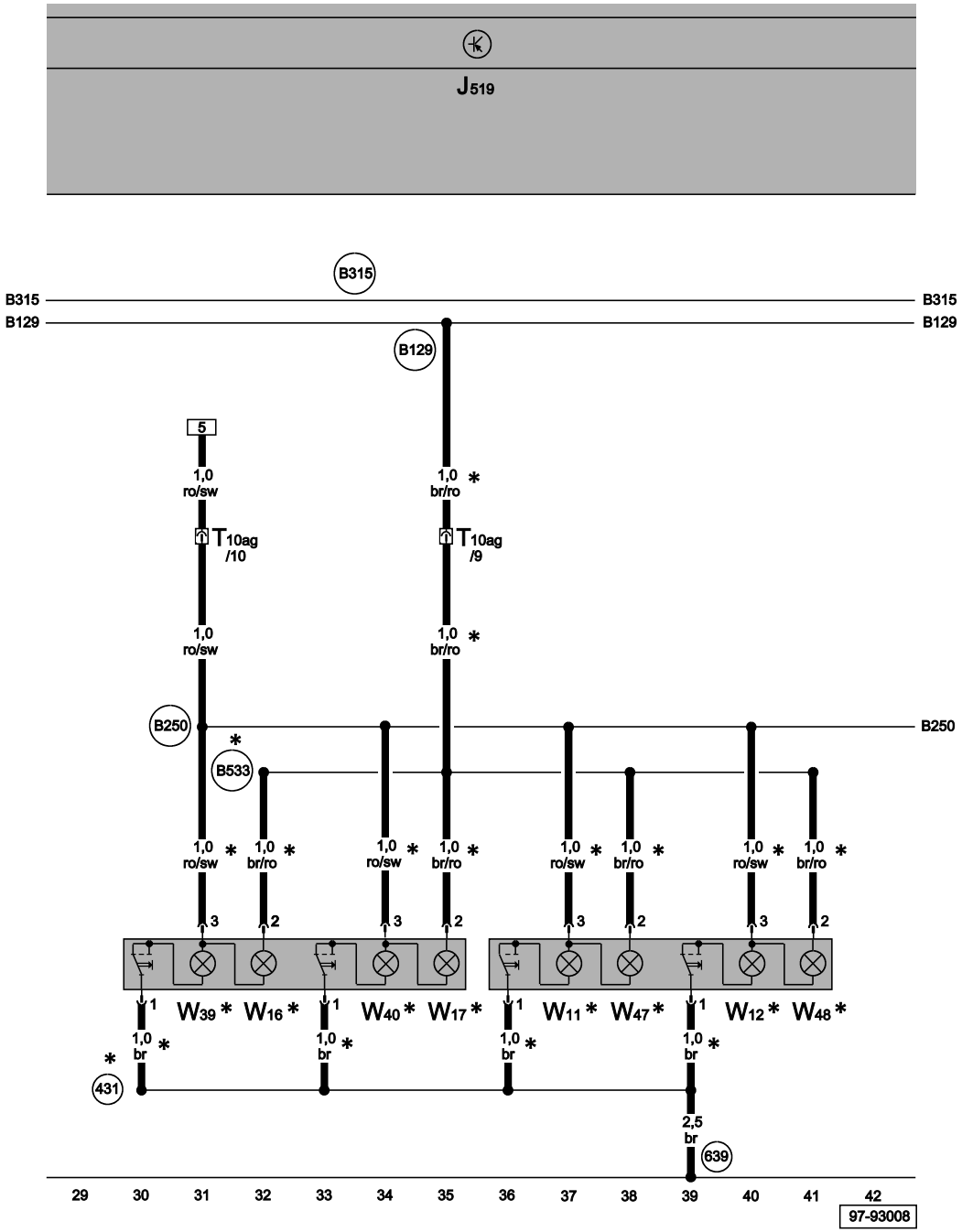
F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
347	Earth connection, in roof wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	models with illuminated vanity mirror only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

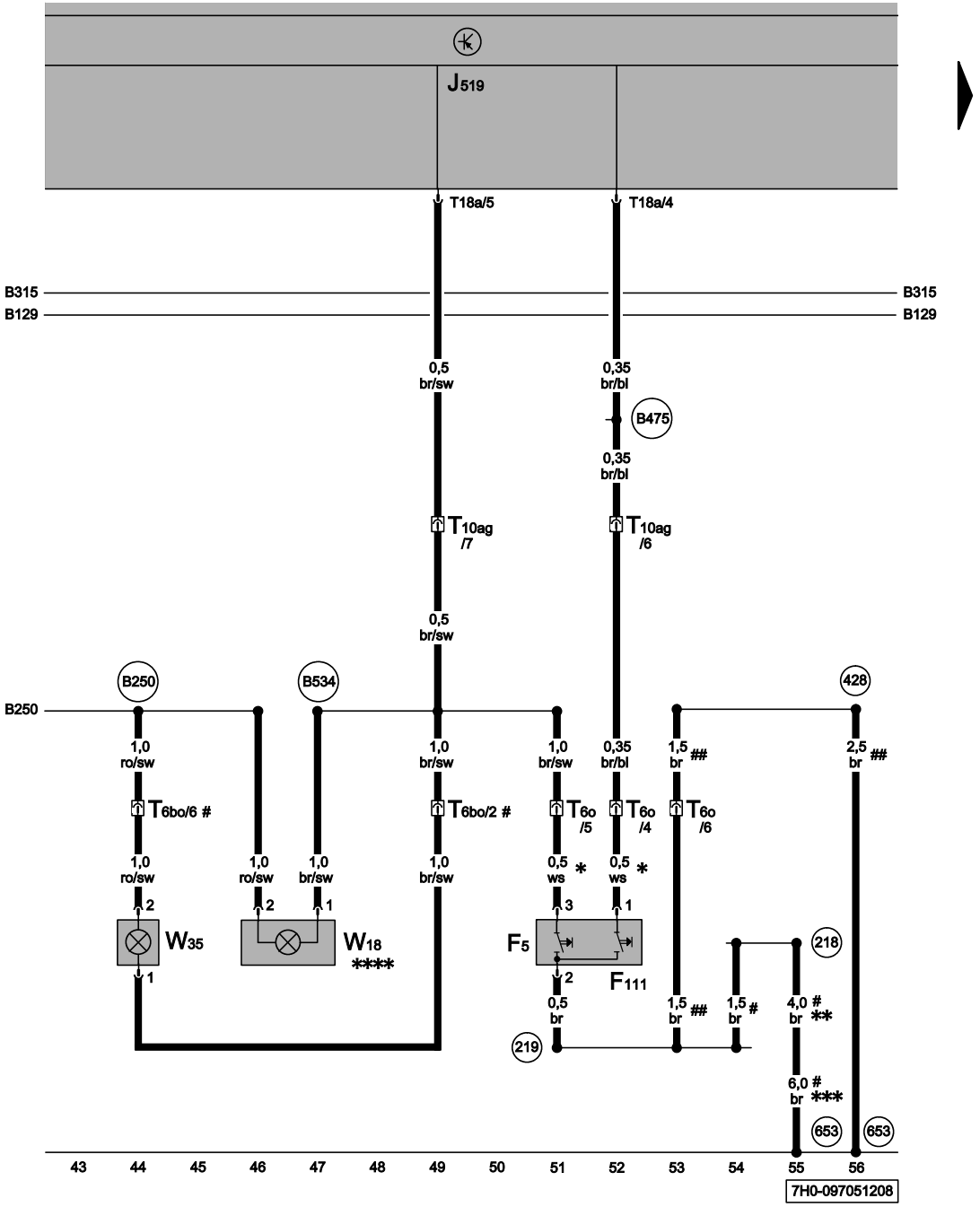
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with sliding/tilting sunroof
***	for models without sliding/tilting sunroof



Rear interior lights, centre and rear reading lights

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W39	Left centre reading light
W40	Right centre reading light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	For Multivan only

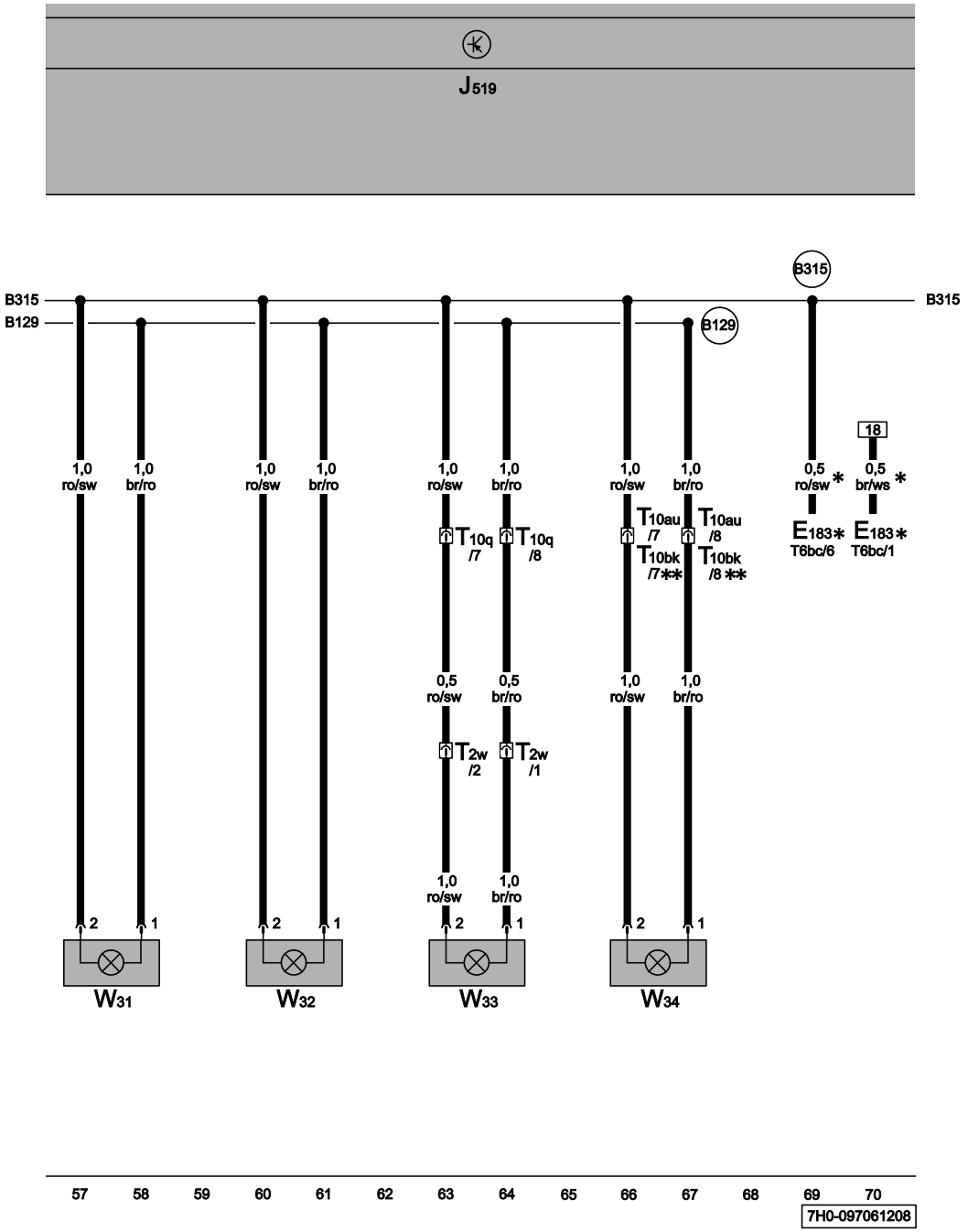
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch, luggage compartment light on left and right

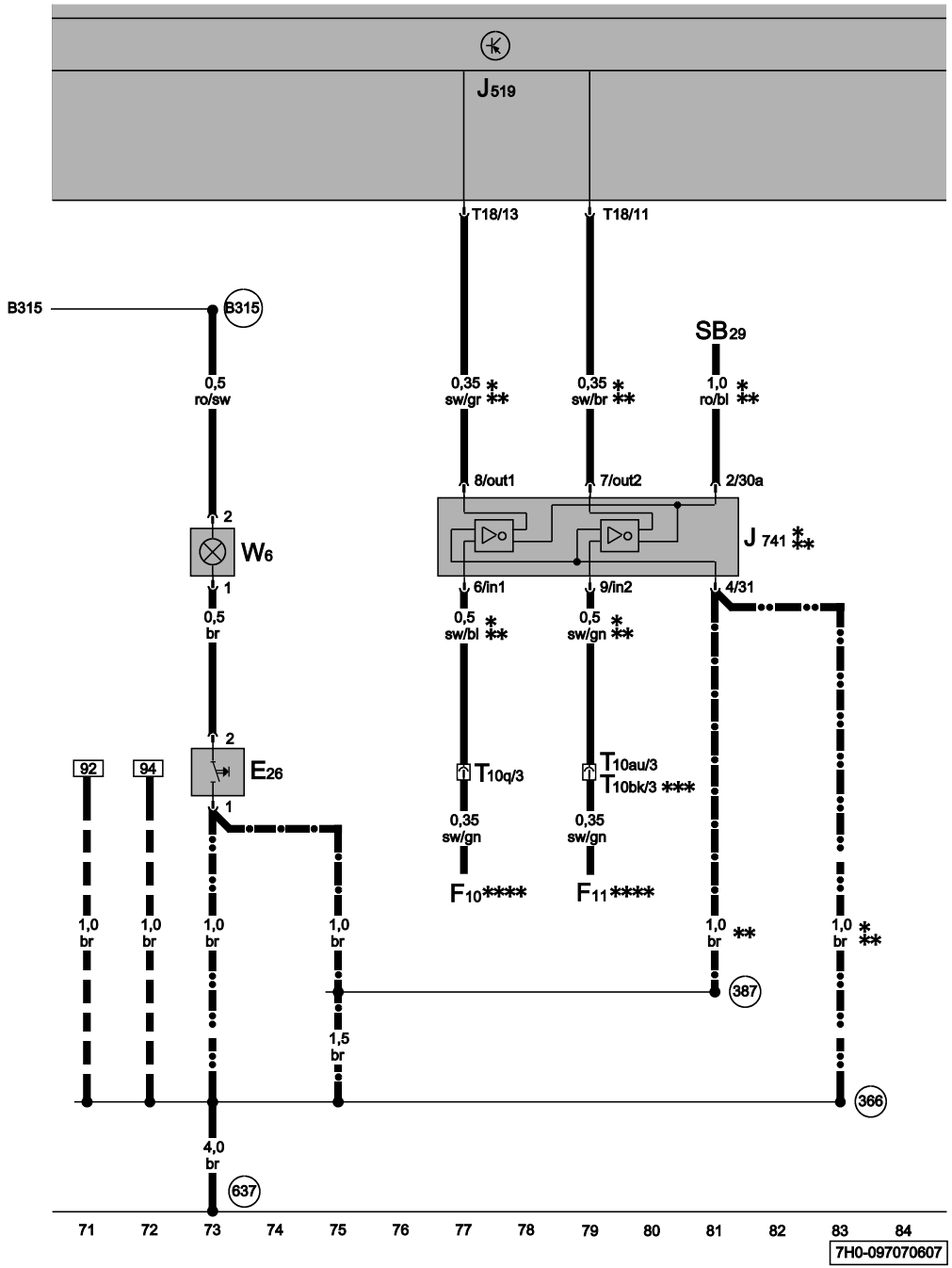
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
W35	Right luggage compartment light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models without heated rear window only
***	for models with heated rear window only
****	For Multivan only
#	applicable up to December 2004
##	applicable from January 2005



Front and rear entry lights, interior monitoring switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6bc	6-pin connector, blue
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
W31	Front left entry light
W32	Front right entry light
W33	Rear left entry light
W34	Rear right entry light
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	applicable from January 2005

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

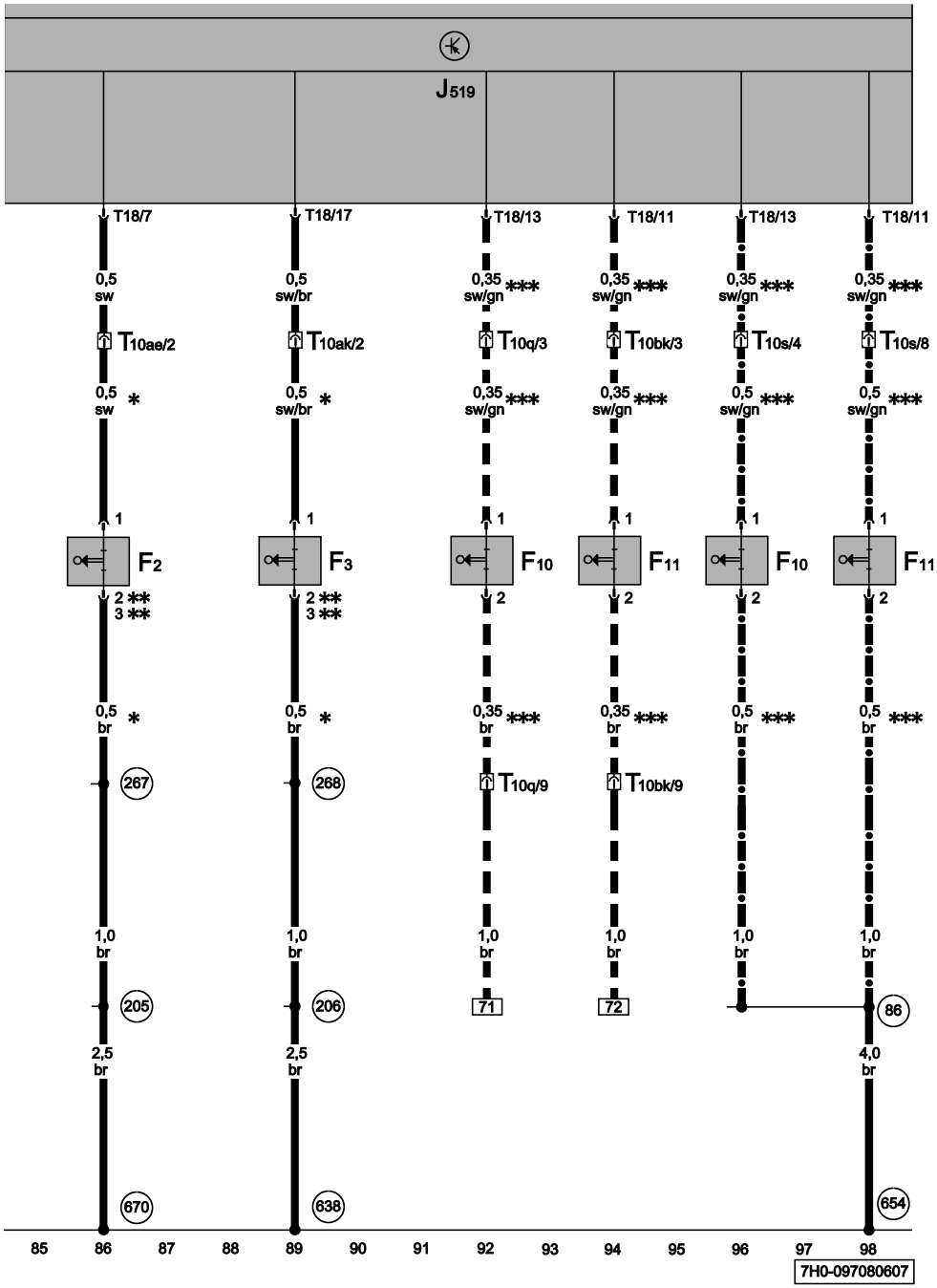


Dual signal inverter relay, glove compartment light, glove compartment light switch

E26	Glove compartment light switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
W6	Glove compartment light
(366)	Earth connection 1, in main wiring harness
(387)	Earth connection 22, in main wiring harness
(637)	Earth point, airbag control unit
(B315)	Positive connection 1 (30a), in main wiring harness
*	applicable up to December 2004, only models with mechanical sliding door
**	applicable from January 2005, for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2005
****	⇒ Current Flow Diagram: convenience system

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applicable from January 2005 up to December 2005

<fo:external-graphic src="../PDOC/
applicable from January 2006



ws = white

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only

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applicable from January 2006

Shuttle interior lighting/ traveller with roof console in headlining

⇒ **Step illumination**

from February 2004

Notes:

For information concerning

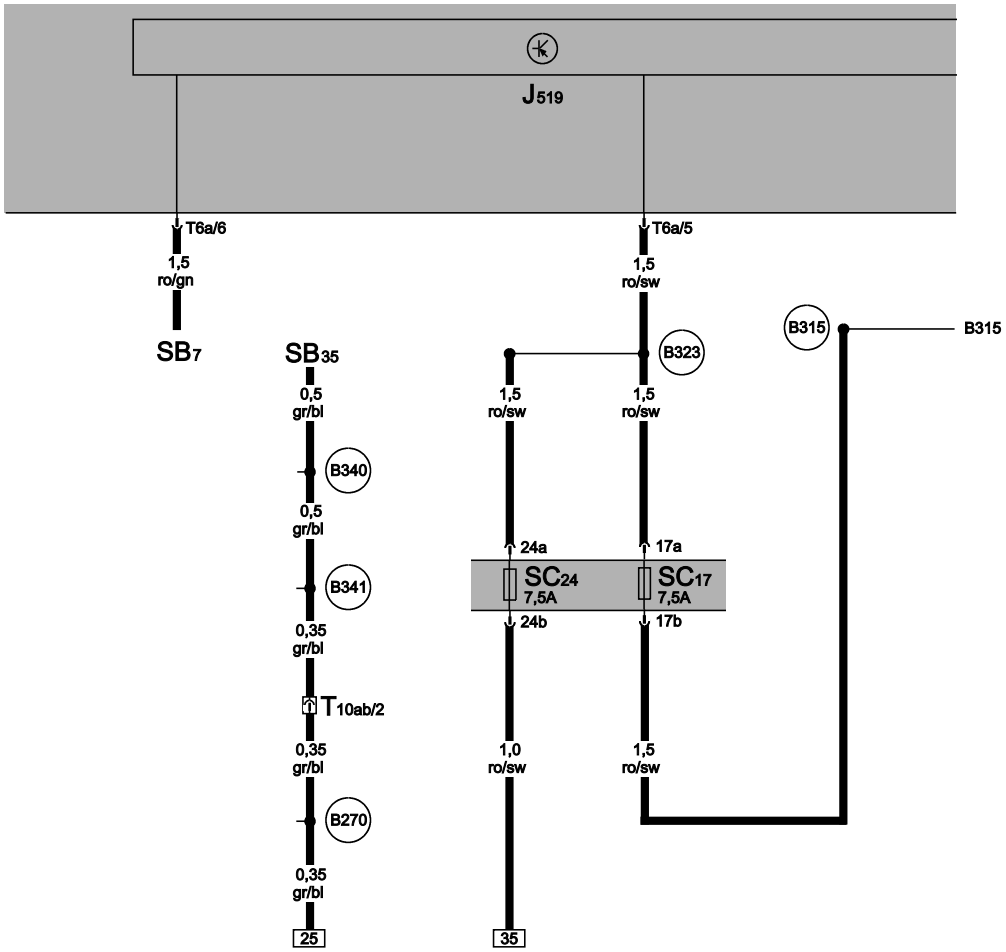
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

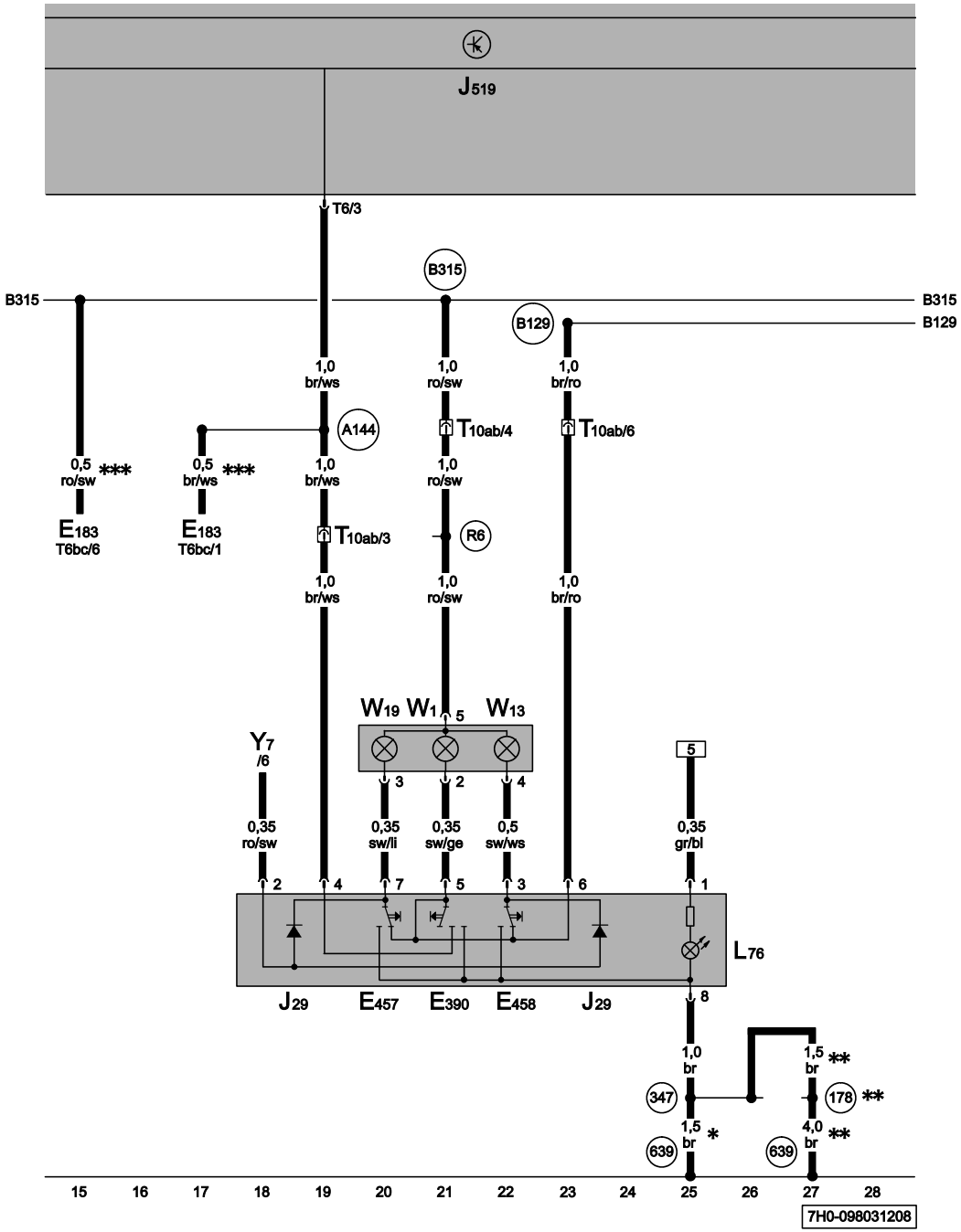
⇒ guided fault finding



Fuses

J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

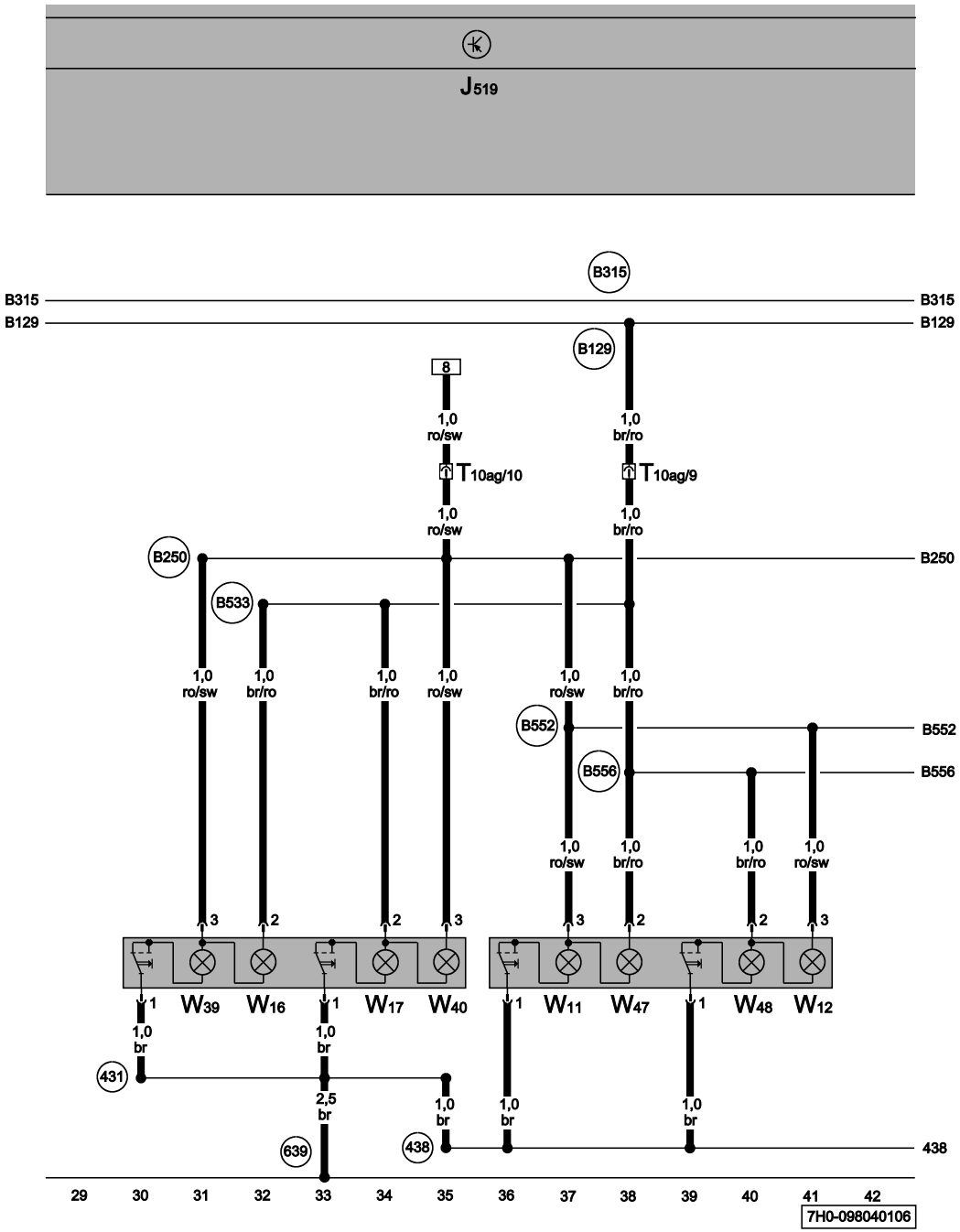
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left and right interior lights, rear interior lights, centre and rear reading lights

J519 Onboard supply control unit
T10ag 10-pin connector, brown, coupling station on left of A-pillar
W11 Rear left reading light
W12 Rear right reading light
W16 Left interior light
W17 Right interior light
W39 Left centre reading light
W40 Right centre reading light
W47 Rear left interior light
W48 Rear right interior light

431 Earth connection 2, in roof wiring harness

438 Earth connection 3, in roof wiring harness

639 Earth point, left A-pillar

B129 Connection (interior light, 31l), in interior wiring harness

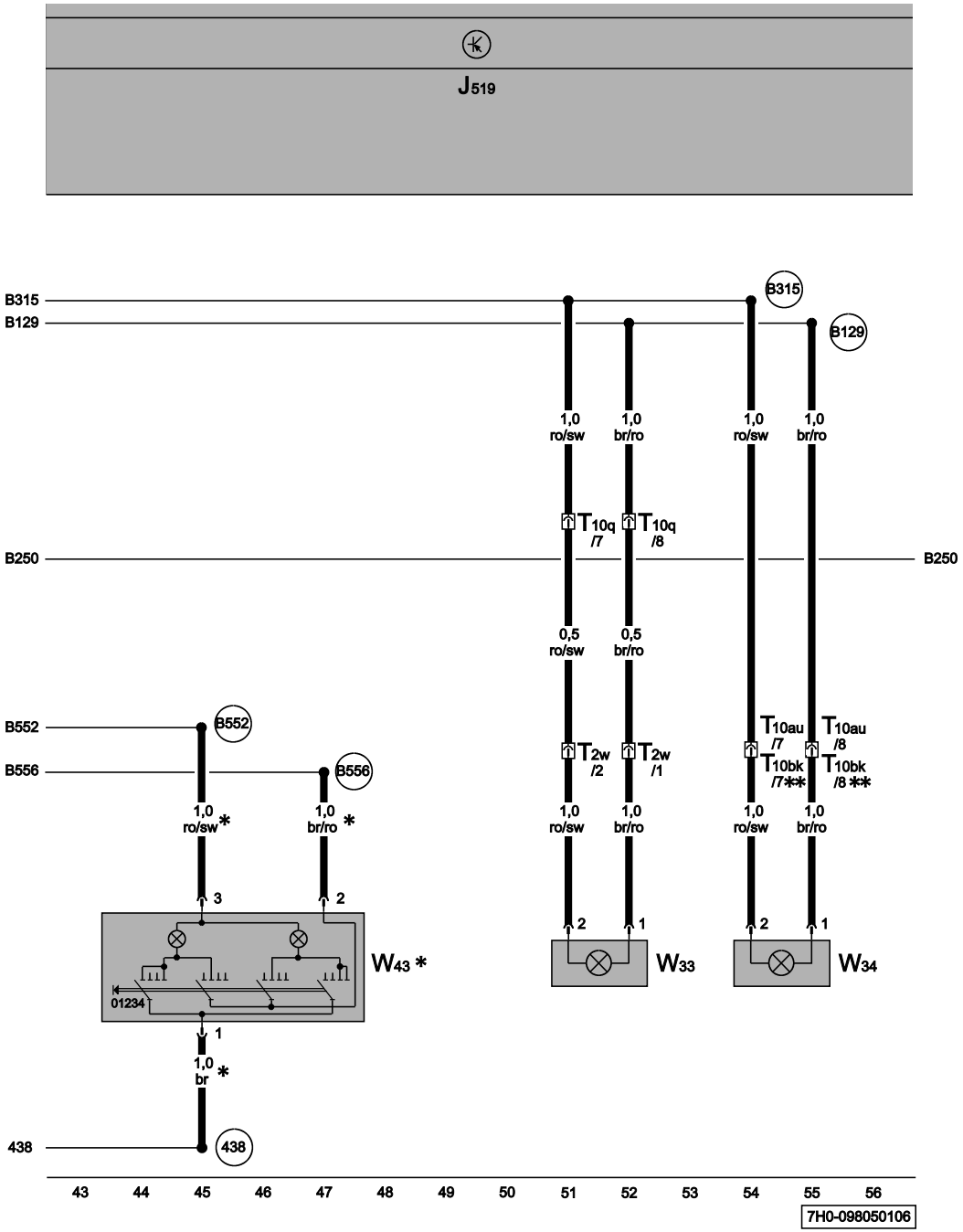
B250 Positive connection in roof wiring harness

B315 Positive connection 1 (30a), in main wiring harness

B533 Connection 1 (DCt), in roof wiring harness

B552 Positive connection 2, in roof wiring harness

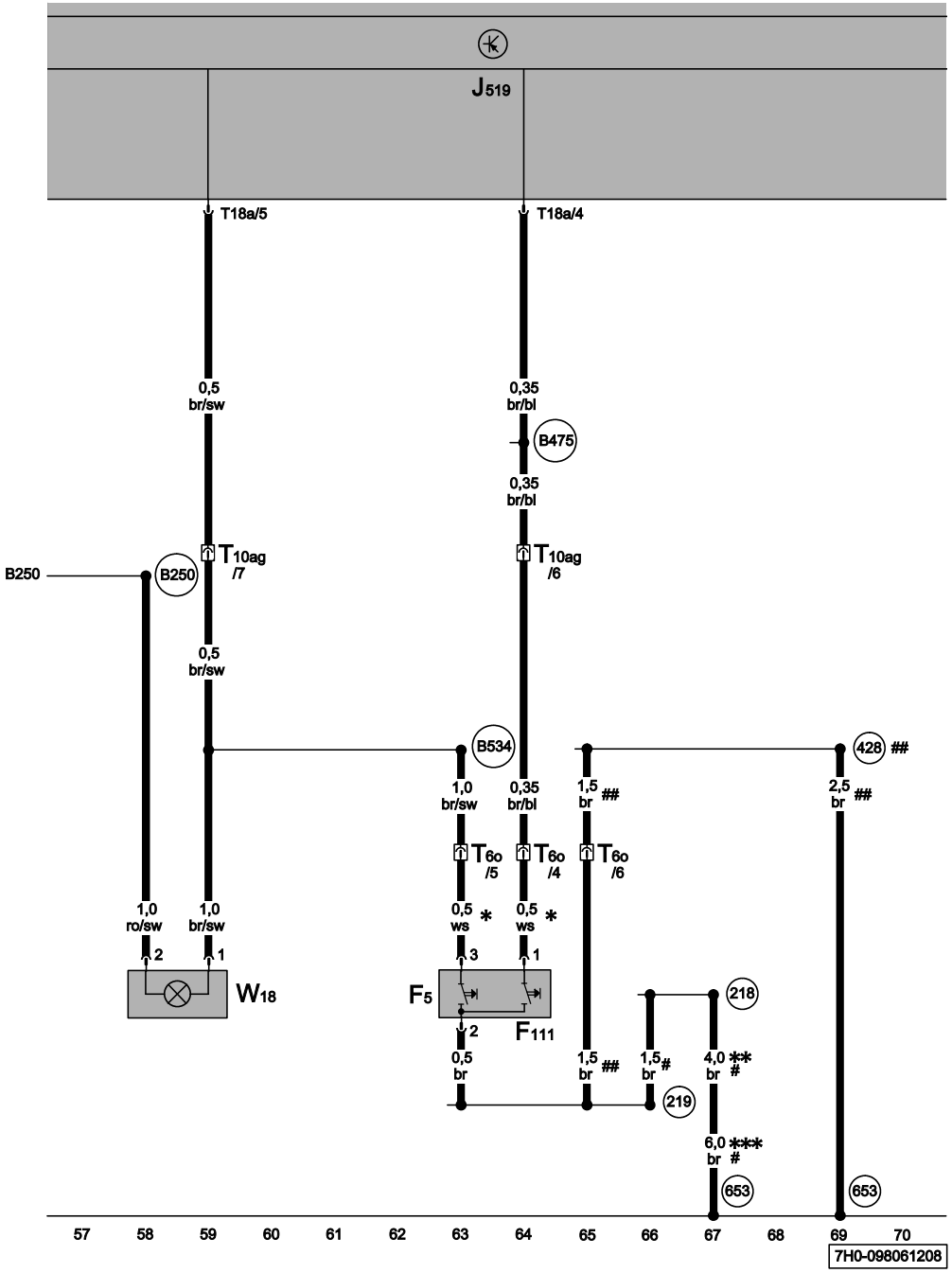
B556 Connection 2 (DCt), in roof wiring harness



Rear entry lights, rear interior light

J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
W33	Rear left entry light
W34	Rear right entry light
W43	Rear interior light
438	Earth connection 3, in roof wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness
B556	Connection 2 (DCt), in roof wiring harness
*	for models with long wheel base only
**	applicable from January 2005

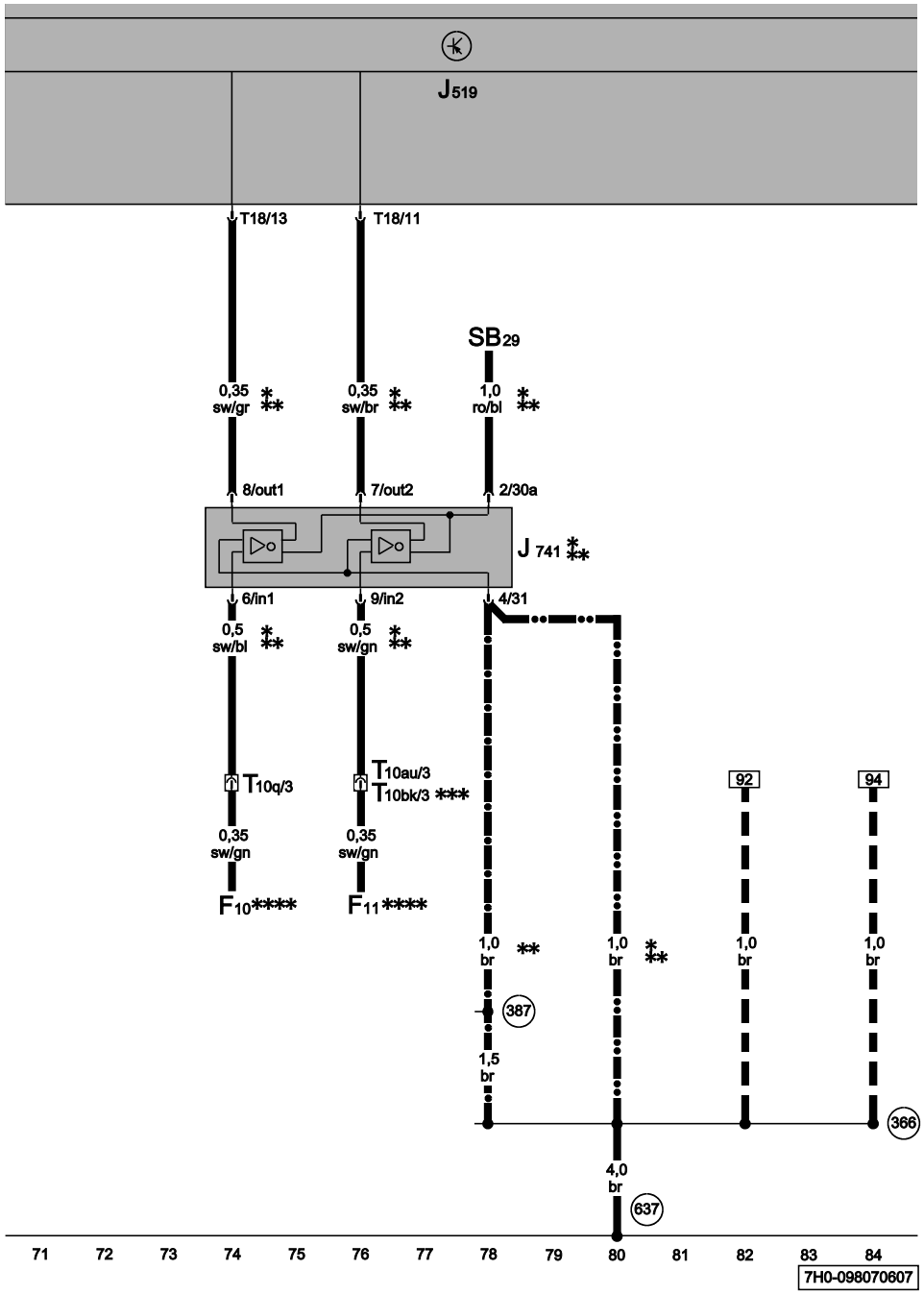
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch, luggage compartment light

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models without heated rear window only
***	for models with heated rear window only
#	applicable up to December 2004
##	applicable from January 2005



ws = white

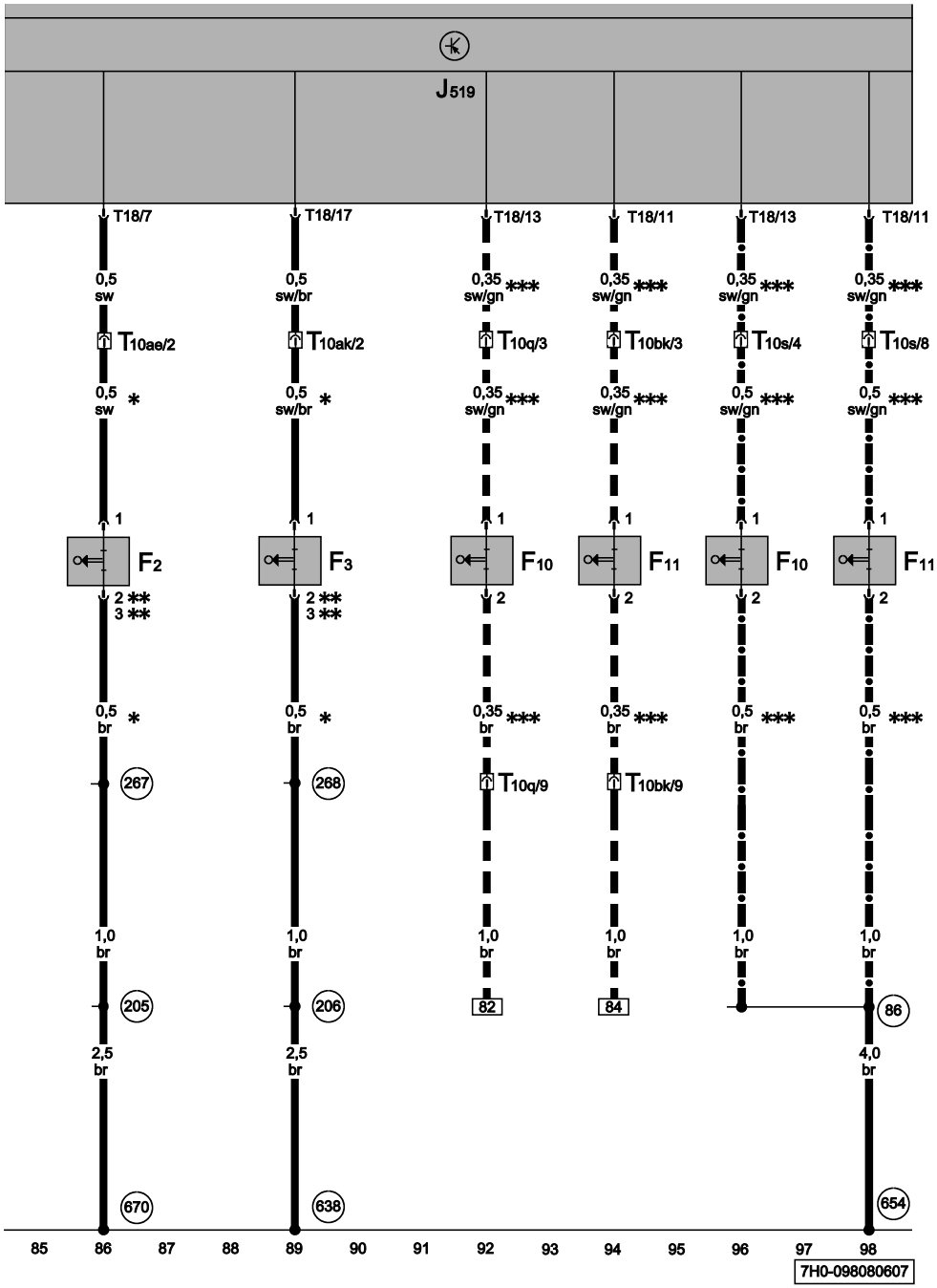
Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to December 2004, only models with mechanical sliding door
**	applicable from January 2005, for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2005
****	⇒ Current Flow Diagram: convenience system
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applicable up to December 2005



ws = white

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
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Taxi equipment

from June 2004

Notes:

For information concerning

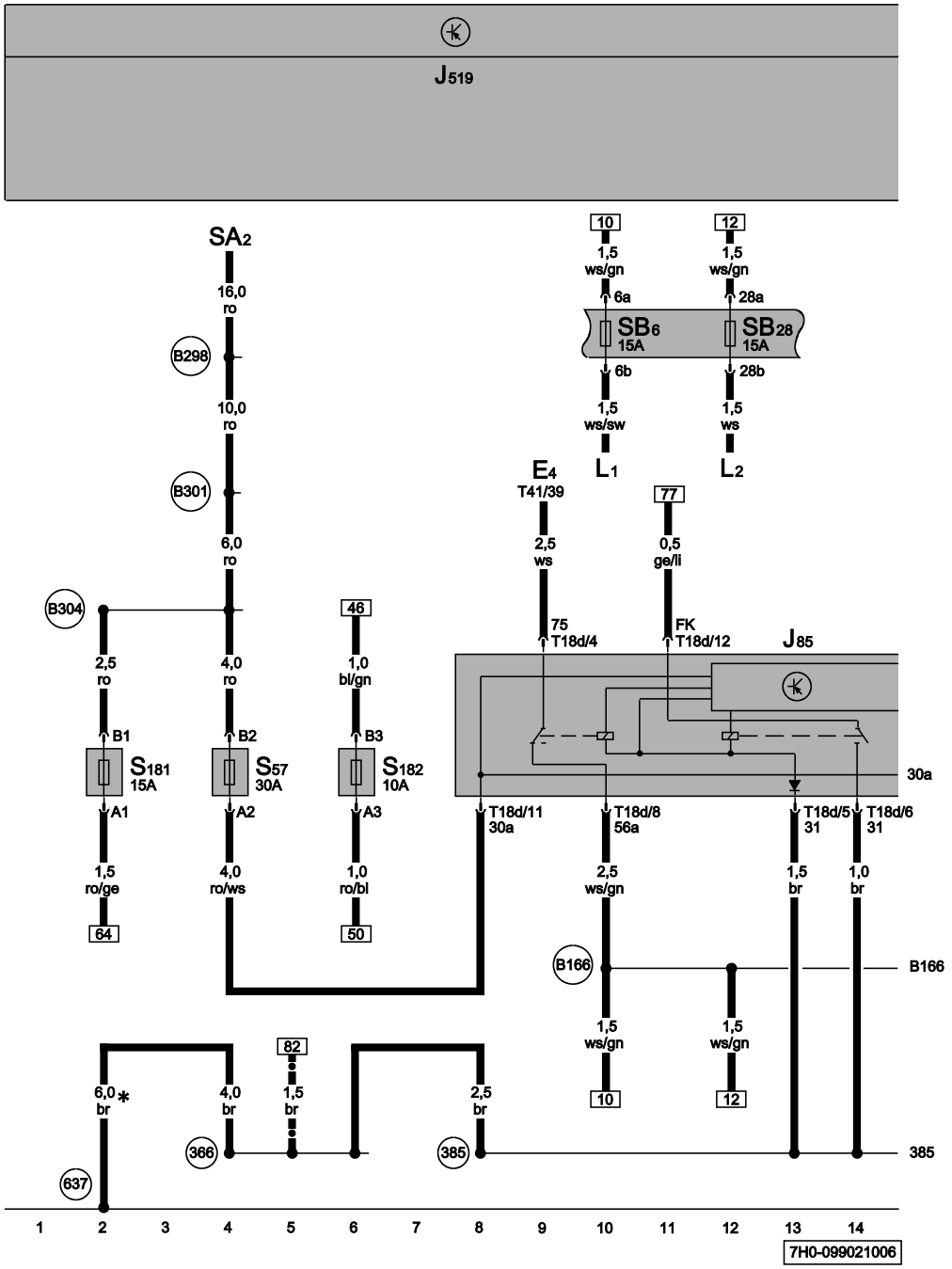
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



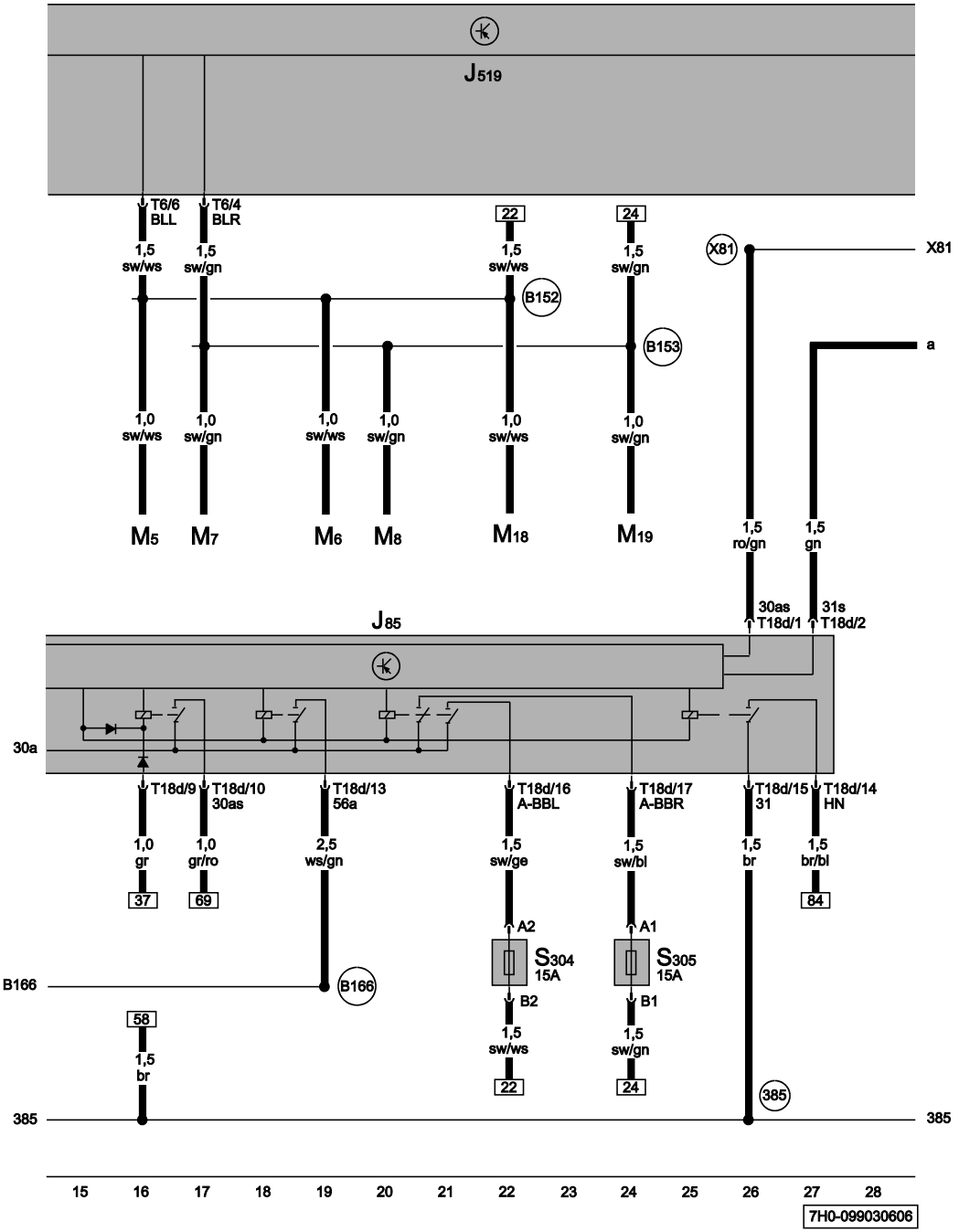
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Fuses, taxi alarm system control unit, headlight dipper/ flasher switch

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
S57	Alarm system fuse
S181	Taxi alarm system 2 fuse
S182	Taxi meter fuse
SA2	Fuse 2 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T18d	18-pin connector, blue
T41	41-pin connector
366	Earth connection 1, in main wiring harness
385	Earth connection 20, in main wiring harness
637	Earth point, airbag control unit
B166	Connection (56a), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	applicable from June 2006
<fo:exter	applicable from January 2006

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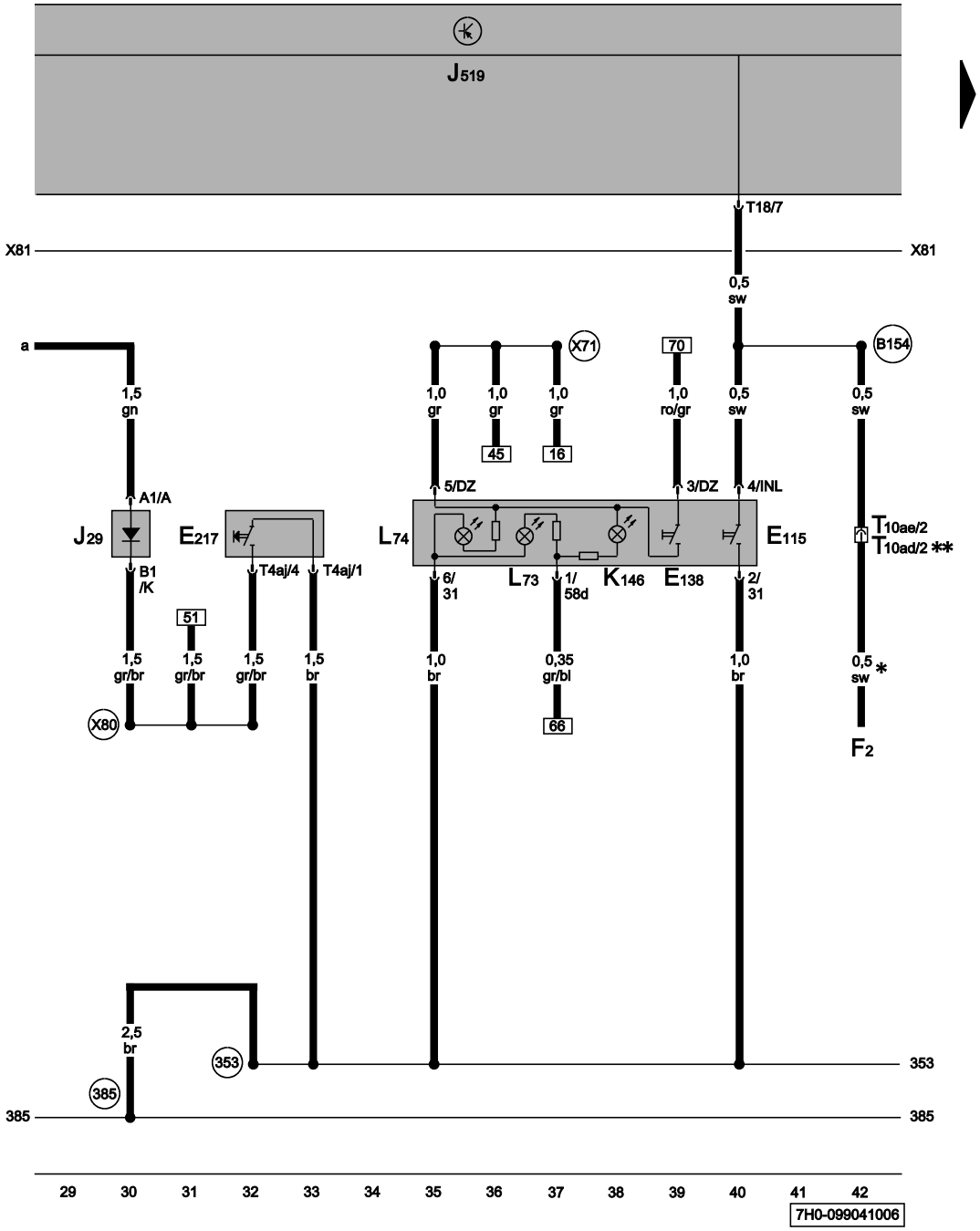
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rs	=	pink	



Alarm system control unit, onboard supply control unit, turn signal bulb

J85	Alarm system control unit
J519	Onboard supply control unit
M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M8	Rear right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
S304	Special vehicle fuse 14
S305	Special vehicle fuse 15
T6	6-pin connector, black
T18d	18-pin connector, blue
385	Earth connection 20, in main wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
B166	Connection (56a), in interior wiring harness
X81	Connection 4, in taxi wiring harness

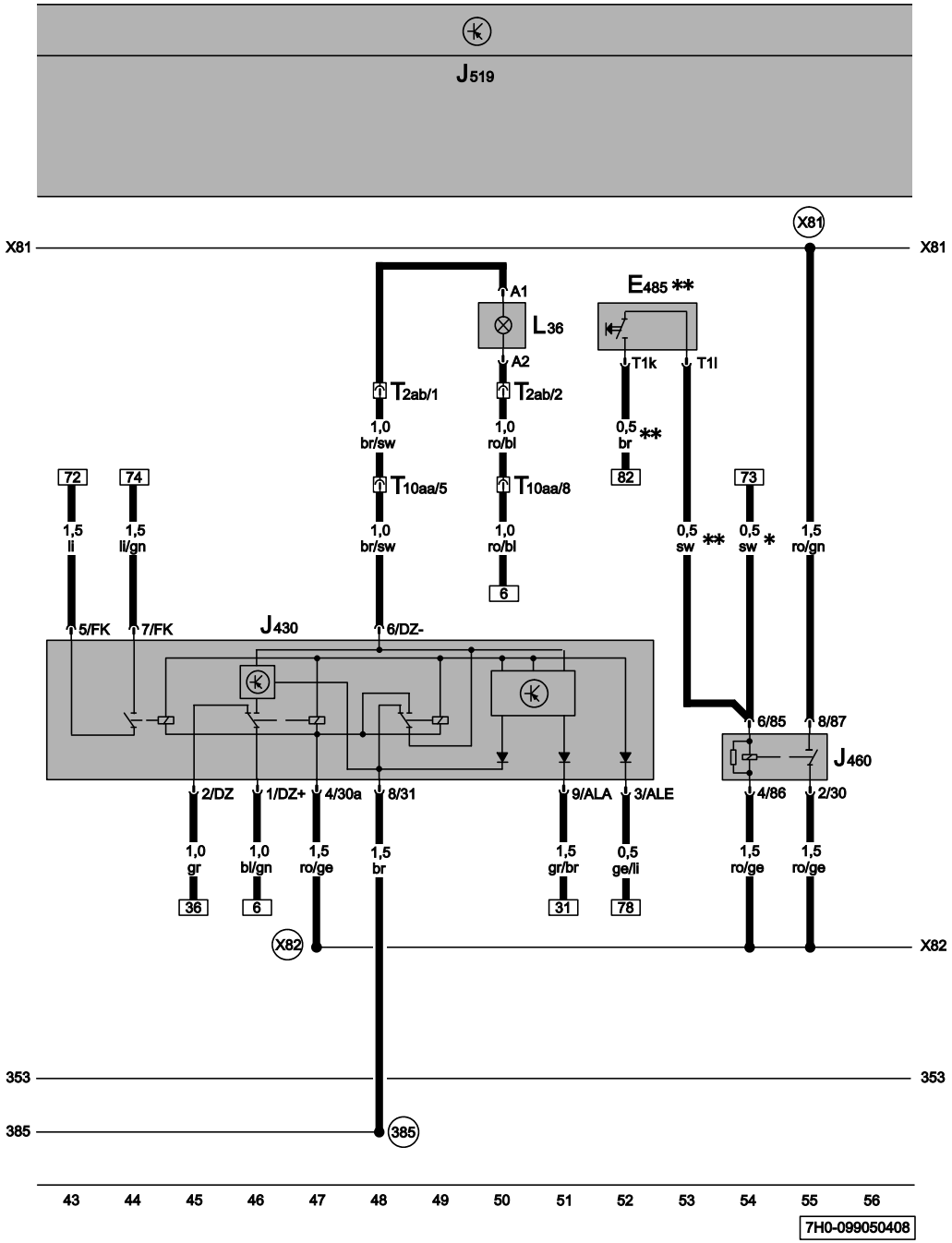
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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li = purple
ge = yellow
or = orange
rs = pink

Interior light switch (taxi), taxi sign switch, alarm system off switch, blocking diode, roof sign warning lamp

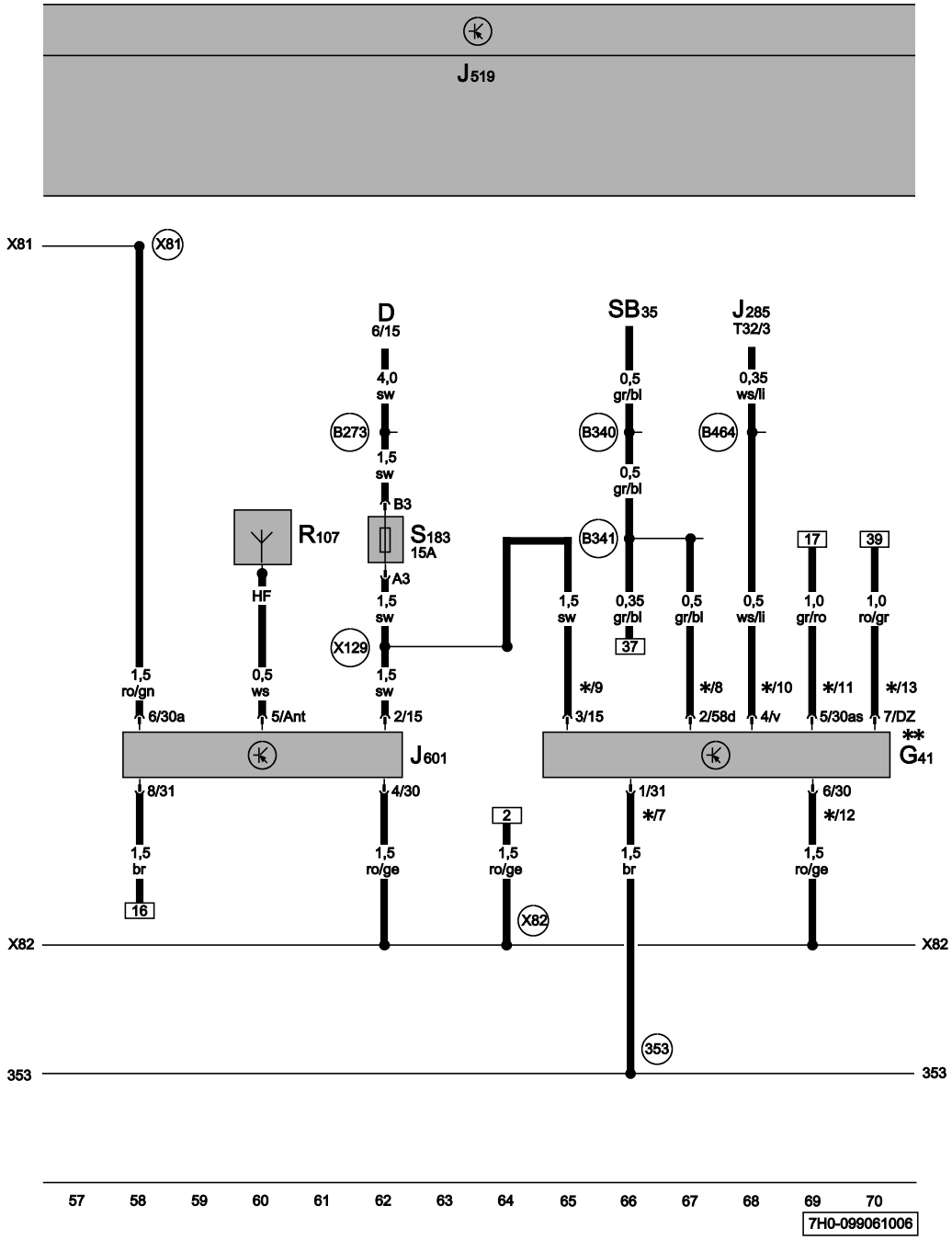
E115	Interior light switch (taxi)
E138	Taxi sign switch
E217	Alarm system off switch
F2	Driver door contact switch
J29	Blocking diode
J519	Onboard supply control unit
K146	Roof sign warning lamp
L73	Interior light switch illumination bulb (taxi)
L74	Taxi sign switch illumination bulb
T4aj	4-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T18	18-pin connector, black
353	Earth connection, in taxi wiring harness
385	Earth connection 20, in main wiring harness
B154	Connection 1 (DCt), in interior wiring harness
X71	Connection 3, in taxi wiring harness
X80	Connection 1, in taxi alarm system wiring harness
*	⇒ basic equipment/ central locking Current Flow Diagram
**	applicable from June 2006



Taxi alarm system 2 control unit, alarm system relay 1, taxi roof sign light bulb

E485	Taxi alarm active button
J430	Taxi alarm system 2 control unit
J460	Alarm system relay 1
J519	Onboard supply control unit
L36	Taxi roof sign light bulb
T1k	Single connector
T1l	Single connector
T2ab	2-pin connector, black, B-pillar upper left
T10aa	10-pin connector, dark brown, coupling station under driver seat
385	Earth connection 20, in main wiring harness
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
*	applicable up to May 2007
**	applicable from June 2007

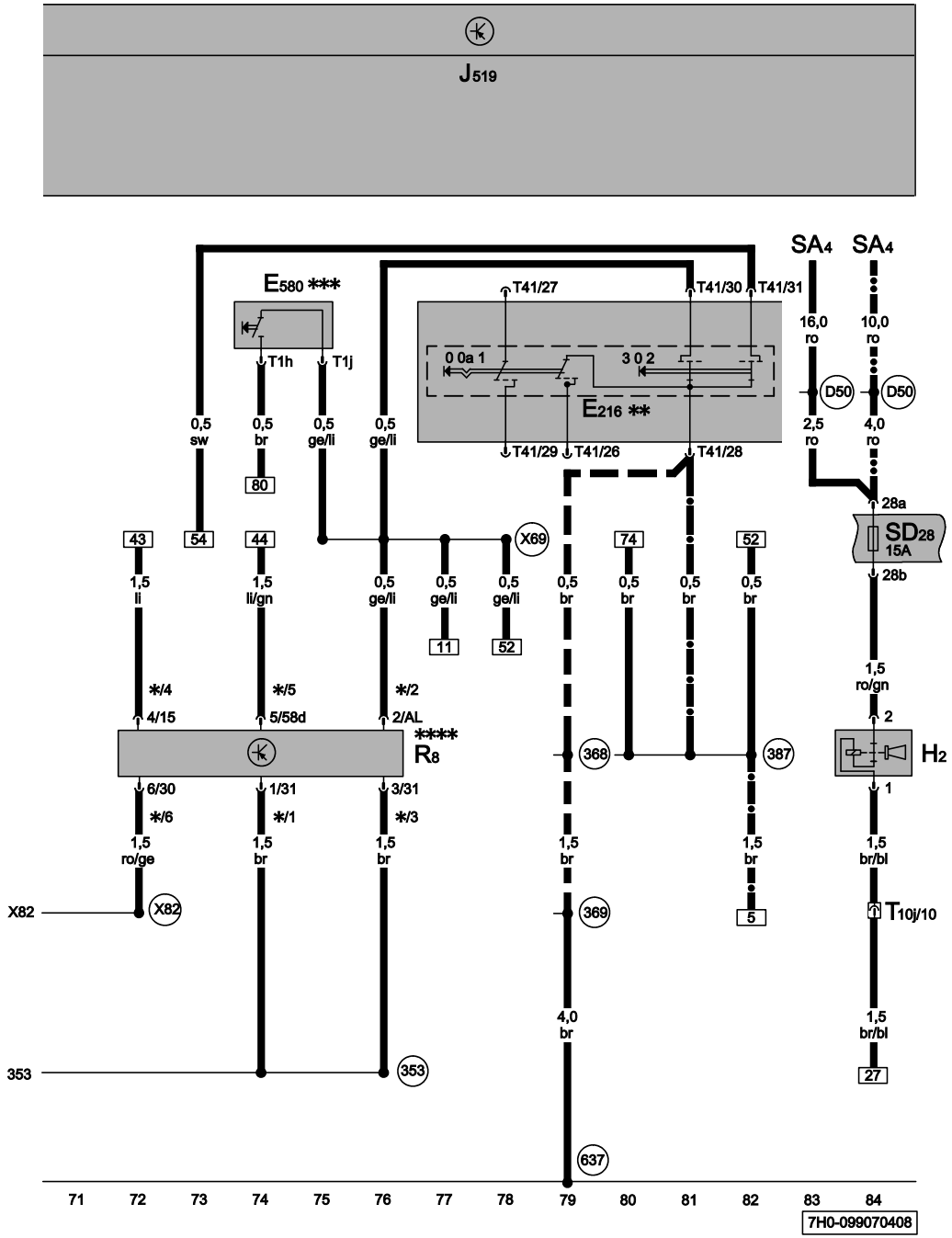
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ws = white
sw = black
ro = red
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Taxi meter, taxi alarm remote control, control unit, remote controlled taxi alarm aerial

D	Ignition/starter switch
G41	Taxi meter
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J601	Taxi alarm remote control, control unit
R107	Remote controlled taxi alarm aerial
S183	Taxi meter and alarm system fuse
SB35	Fuse 35 on fuse holder B
T32	32-pin connector, blue
353	Earth connection, in taxi wiring harness
B273	Positive connection (15), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
X129	Positive connection 1 (15), in taxi wiring harness
*	wiring open end/ wire number, if taxi meter not installed
**	the scope depends on the equipment



ws = white

Fuses, treble tone horn, taxi alarm system 2 switch, passive taxi alarm button, two-way radio

E216	Taxi alarm system 2 switch
E580	Taxi alarm passive button
H2	Treble tone horn
J519	Onboard supply control unit
R8	Two-way radio
SA4	Fuse 4 on fuse holder A
SD28	Fuse 28 on fuse holder D
T1h	Single connector
T1j	Single connector
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T41	41-pin connector
353	Earth connection, in taxi wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
D50	Positive connection (30), in engine compartment wiring harness
X69	Connection 1, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
*	wiring open end/ wire number, if two-way radio not installed
**	applicable up to May 2007
***	applicable from June 2007
****	the scope depends on the equipment
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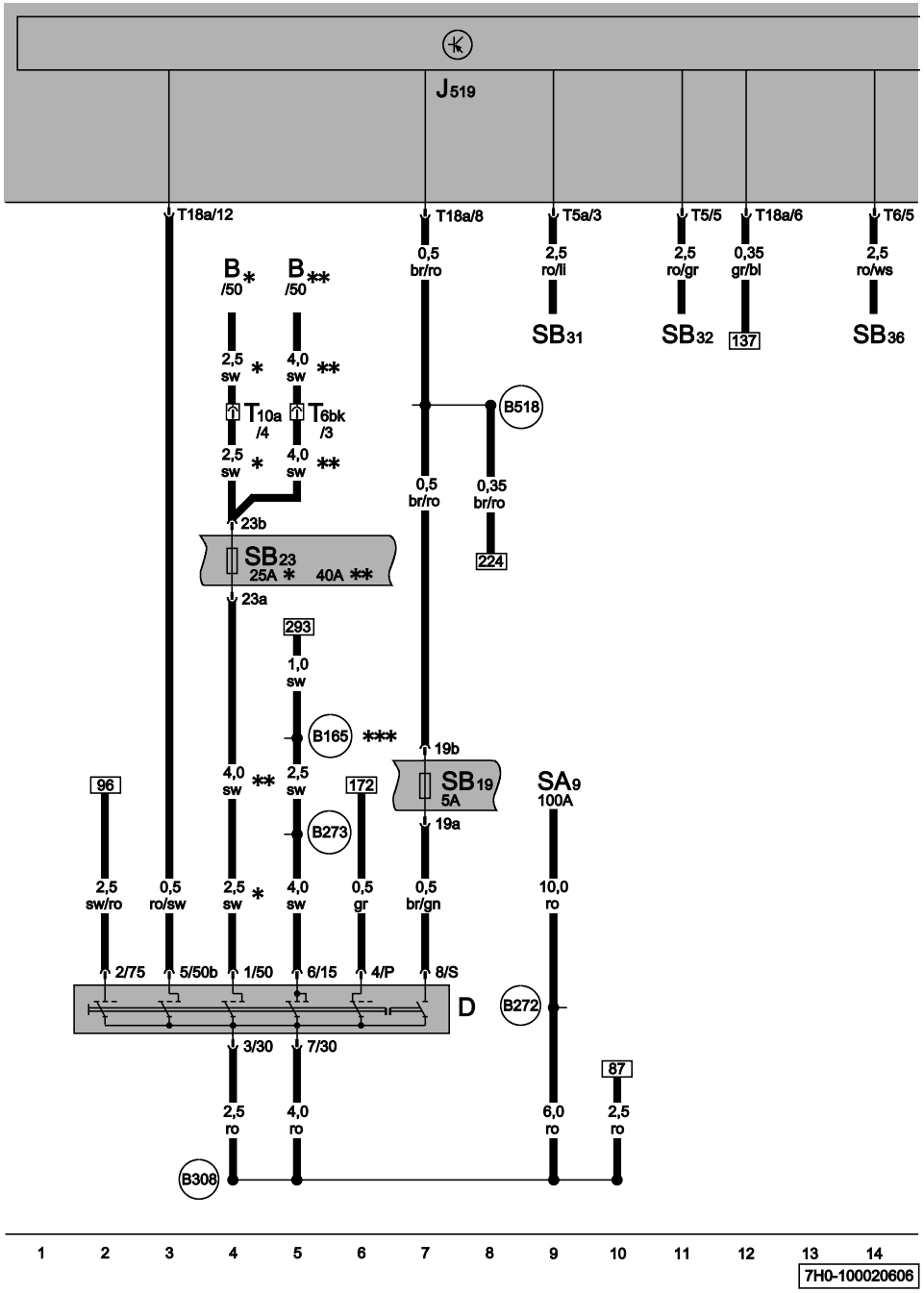
Basic equipment

⇒ **Cruise control system**
⇒ **Multifunction display**
⇒ **Extended servicing intervals**
from April 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

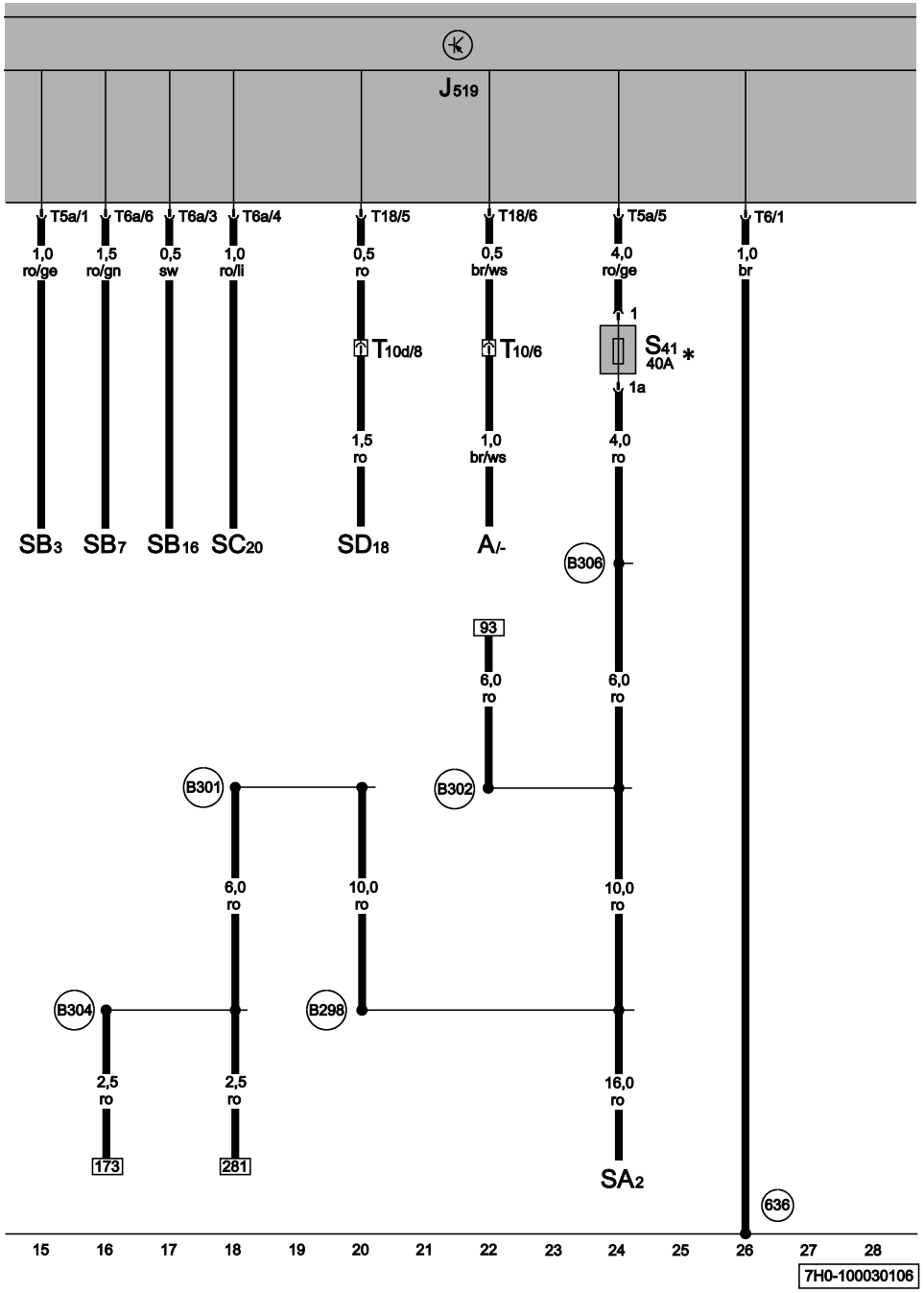
⇒ guided fault finding



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, ignition/starter switch, fuses

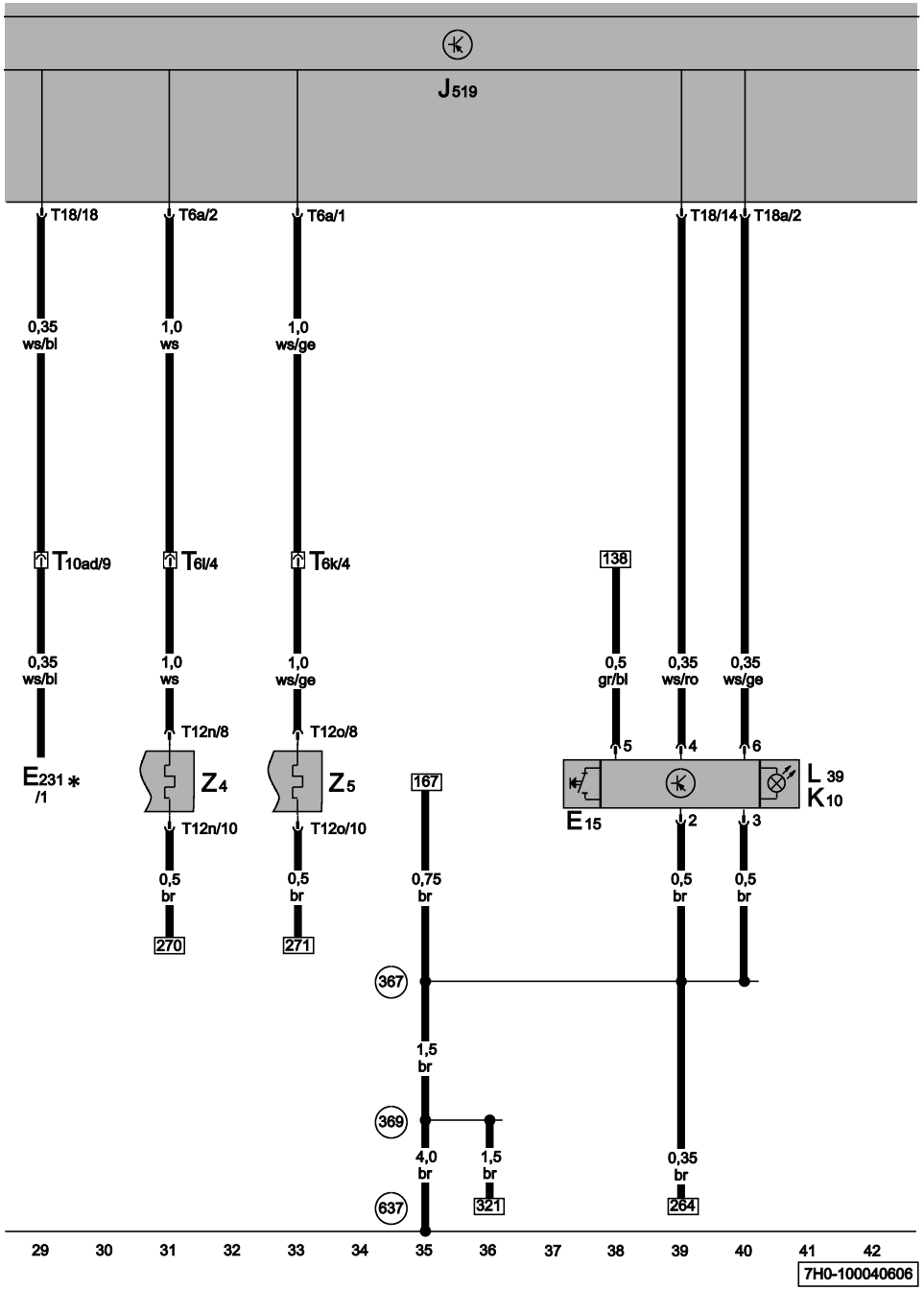
B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SB36	Fuse 36 on fuse holder B
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
*	applicable from April 2004 up to May 2004, for models with with manual gearbox and without electric interface only
**	applicable from June 2004 up to December 2004, for models with with manual gearbox and without electric interface only
***	⇒ Fuse concept 2 Current Flow Diagram



Onboard power supply control unit, fuses

A	Battery
J519	Onboard supply control unit
S41	Heated rear window fuse
SA2	Fuse 2 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SC20	Fuse 20 on fuse holder C
SD18	Fuse 18 on fuse holder D
T5a	5-pin connector, brown
T6	6-pin connector, black
T6a	6-pin connector, brown
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations

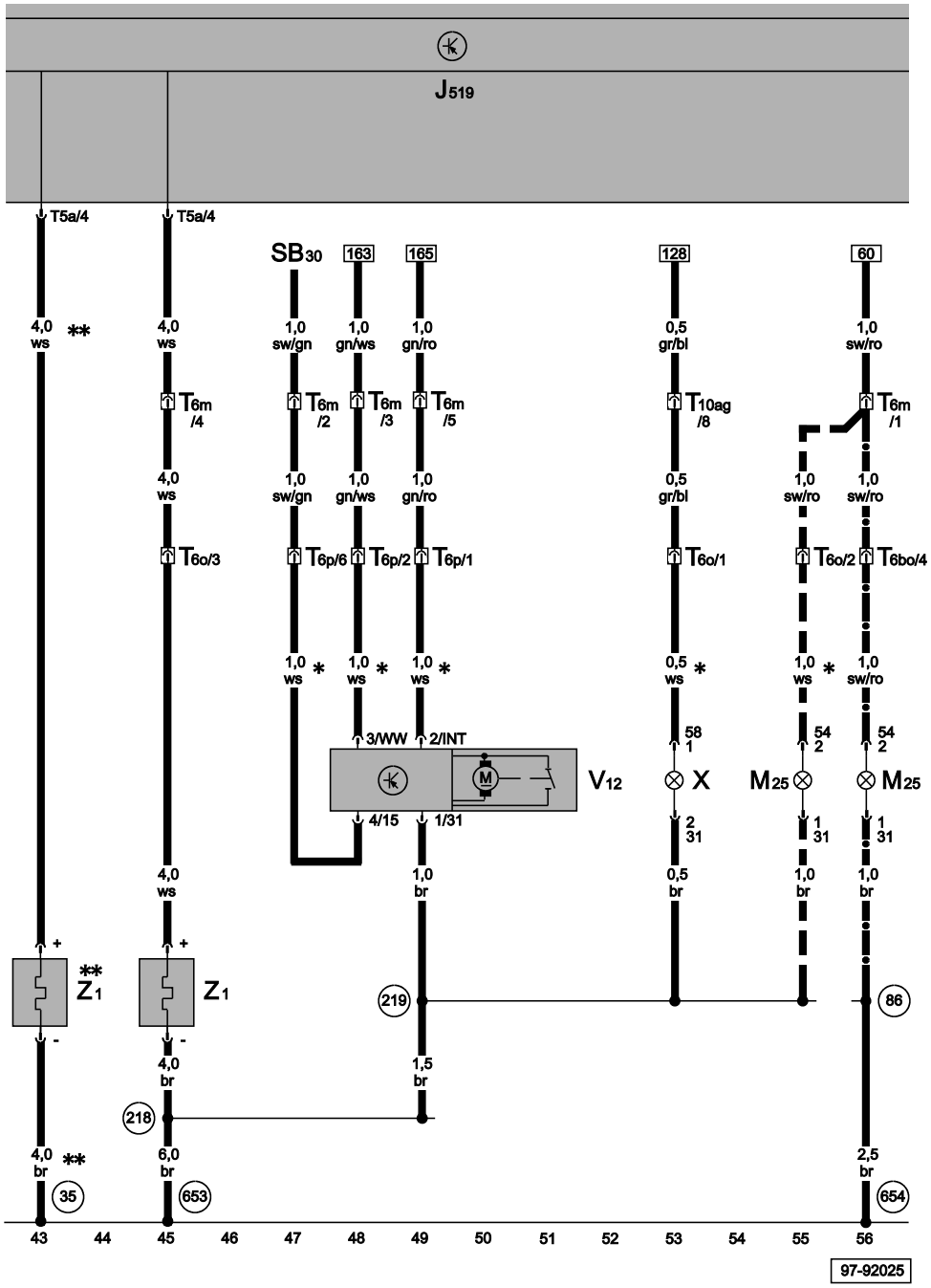
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
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Onboard power supply control unit, exterior mirror heater button, heated exterior mirror, heated rear window switch

E15	Heated rear window switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
T18a	18-pin connector, brown
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	⇒ Current Flow Diagram: convenience system without window regulator



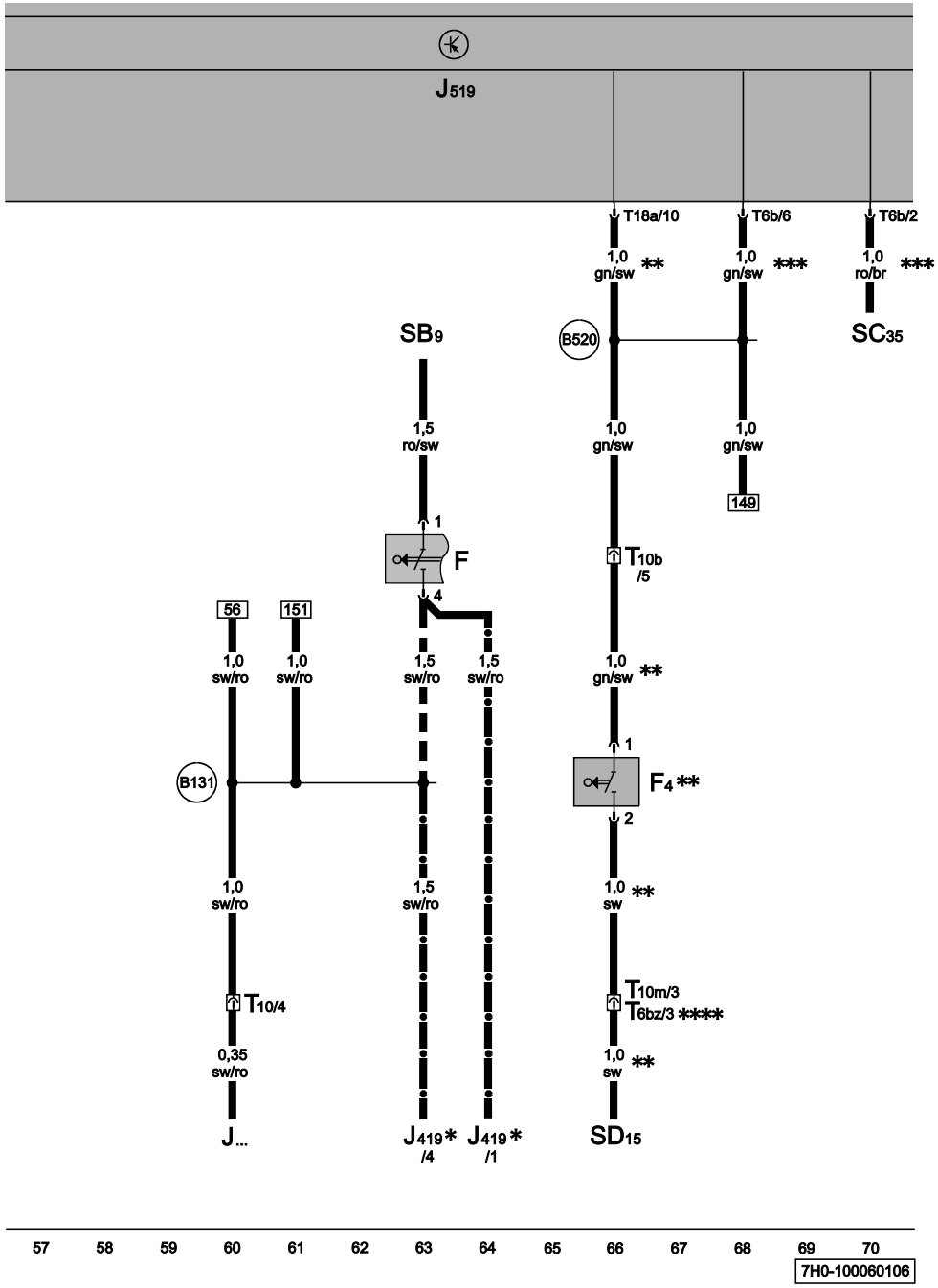
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Onboard supply control unit, heated rear window, rear window wiper motor, number plate light, high level brake light bulb

J519	Onboard supply control unit
M25	High level brake light bulb
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
V12	Rear window wiper motor
X	Number plate light
Z1	Heated rear window
35	Earth point, under front passenger seat
86	Earth connection 1, in rear wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
*	wire colour is white and wire is printed
**	for models with driver-/ double cab only
<fo:exter	for models with high roof only
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ge	=	yellow
or	=	orange
rs	=	pink

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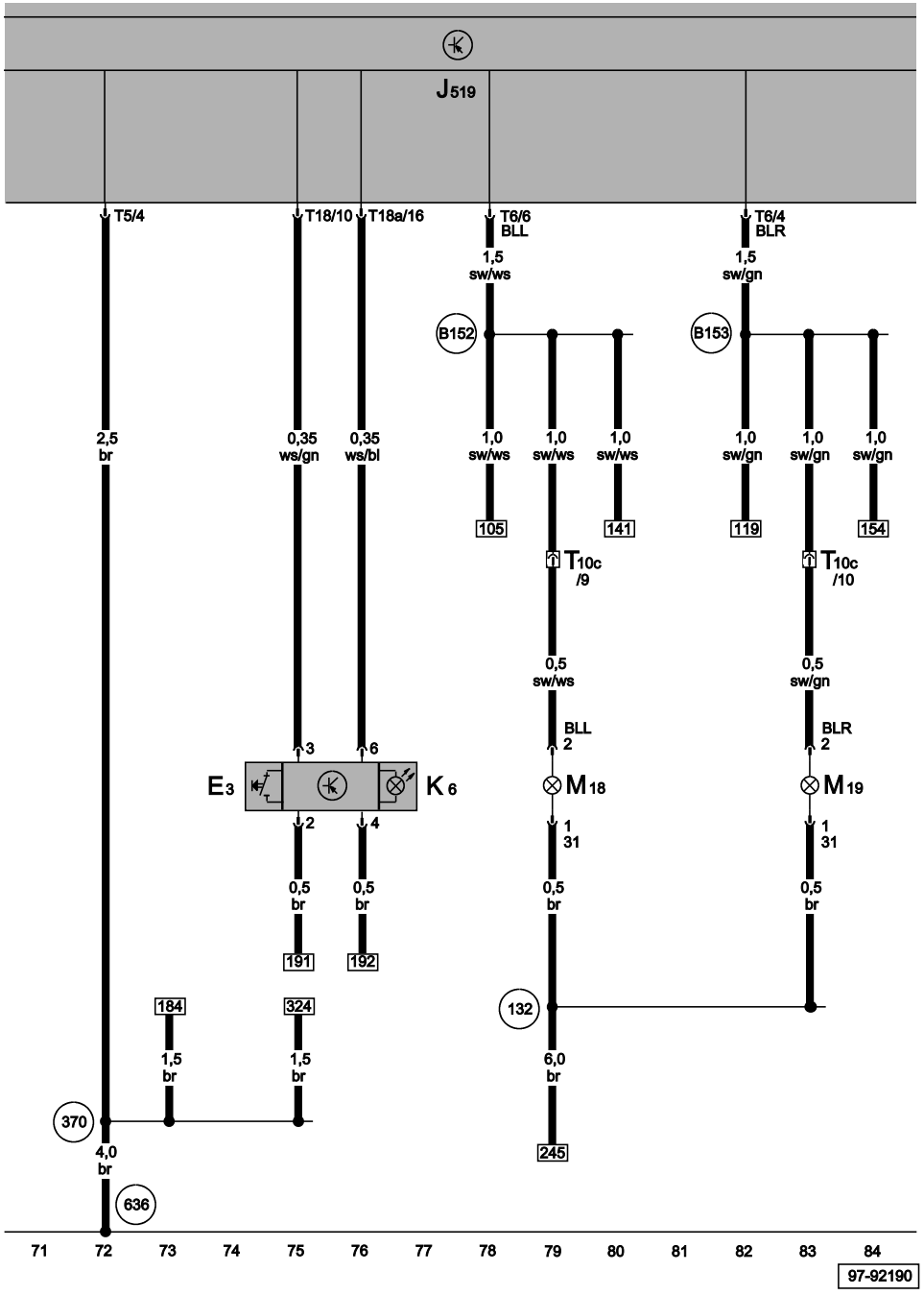
Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J...	Engine control units
J419	Brake light additional relay
J519	Onboard supply control unit
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ ABS Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
****	applicable from June 2004
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ge	=	yellow
or	=	orange
rs	=	pink

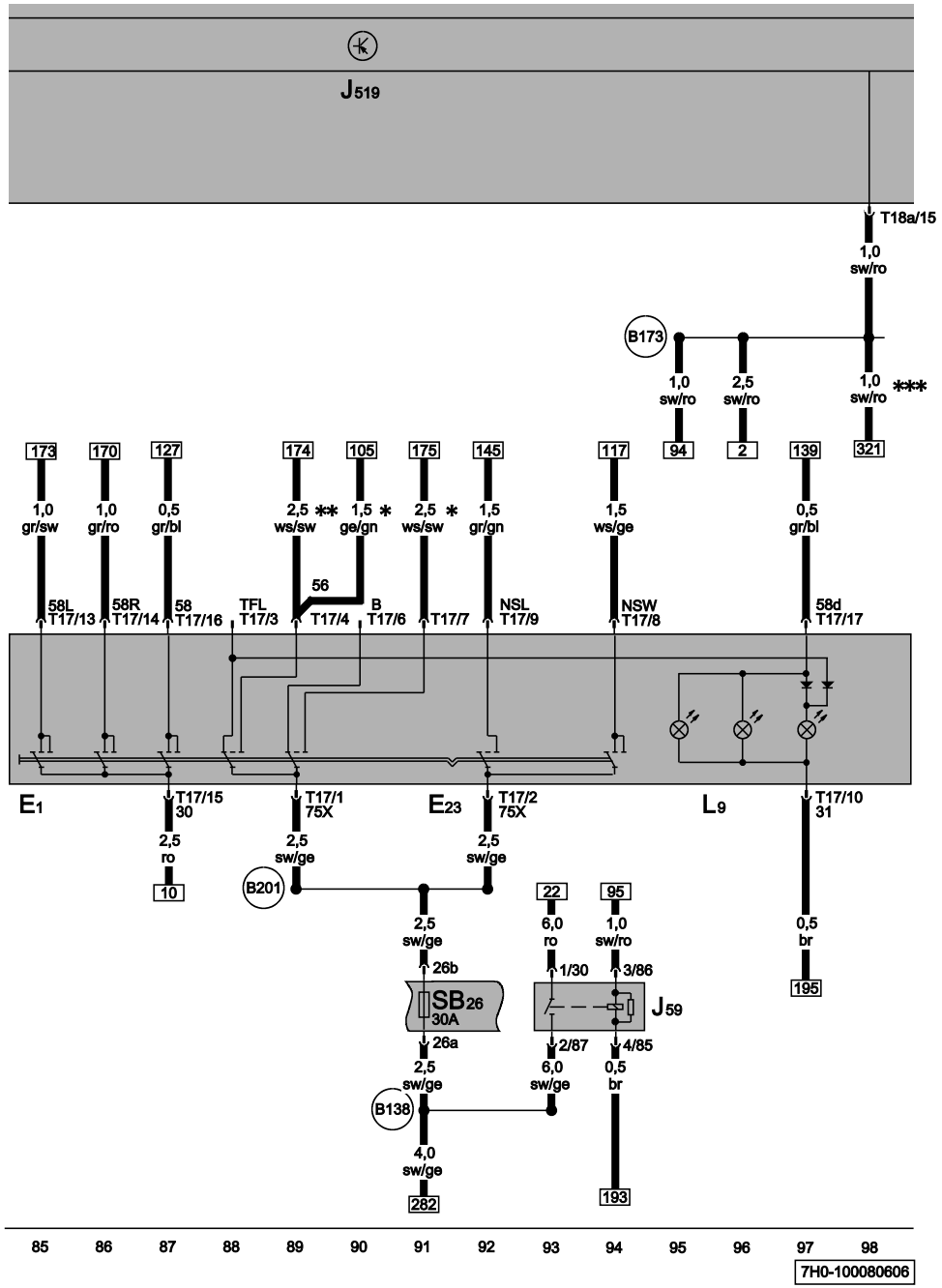
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scaling="
uniform"/
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Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness

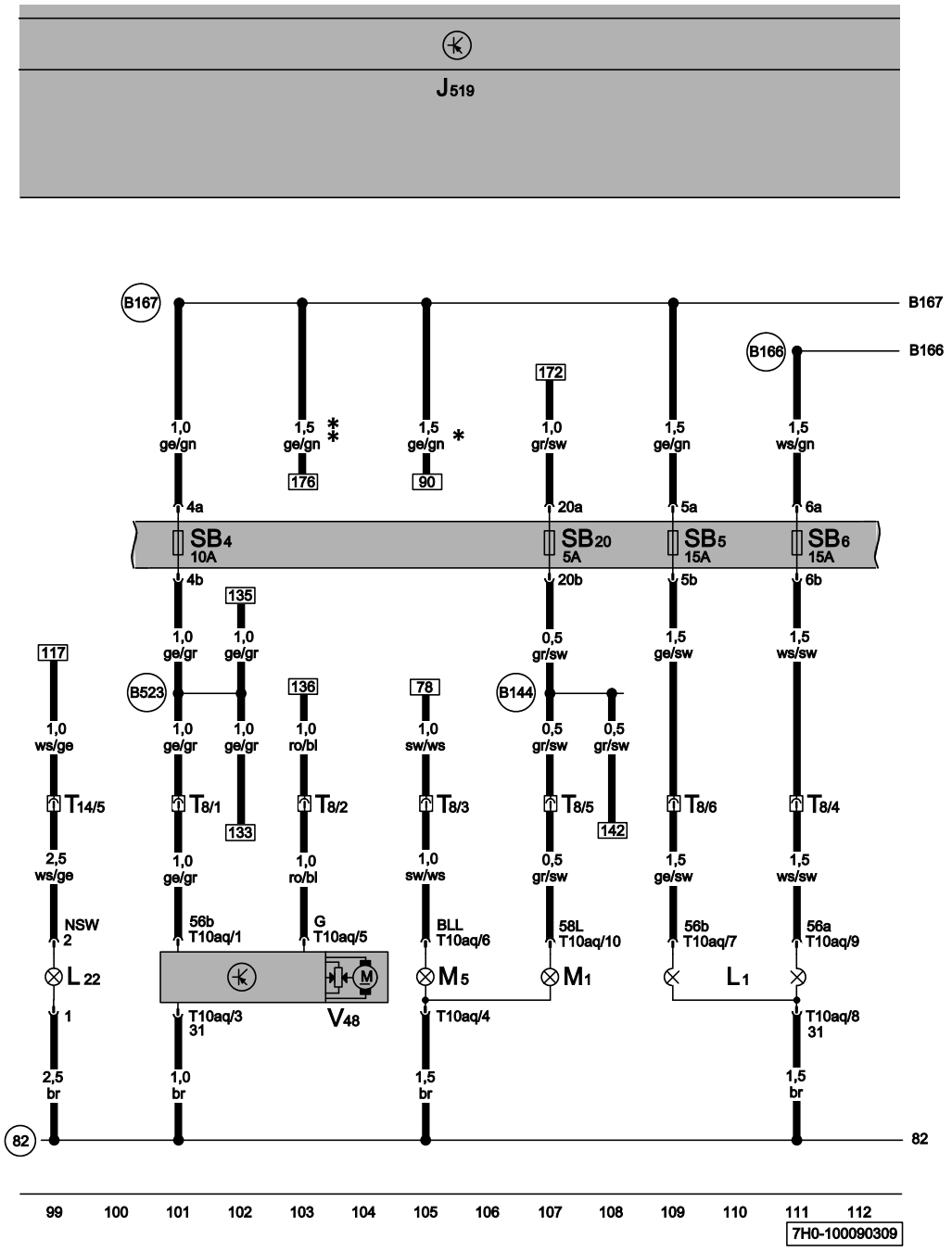
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
***	for models with a 2nd heater in passenger compartment only

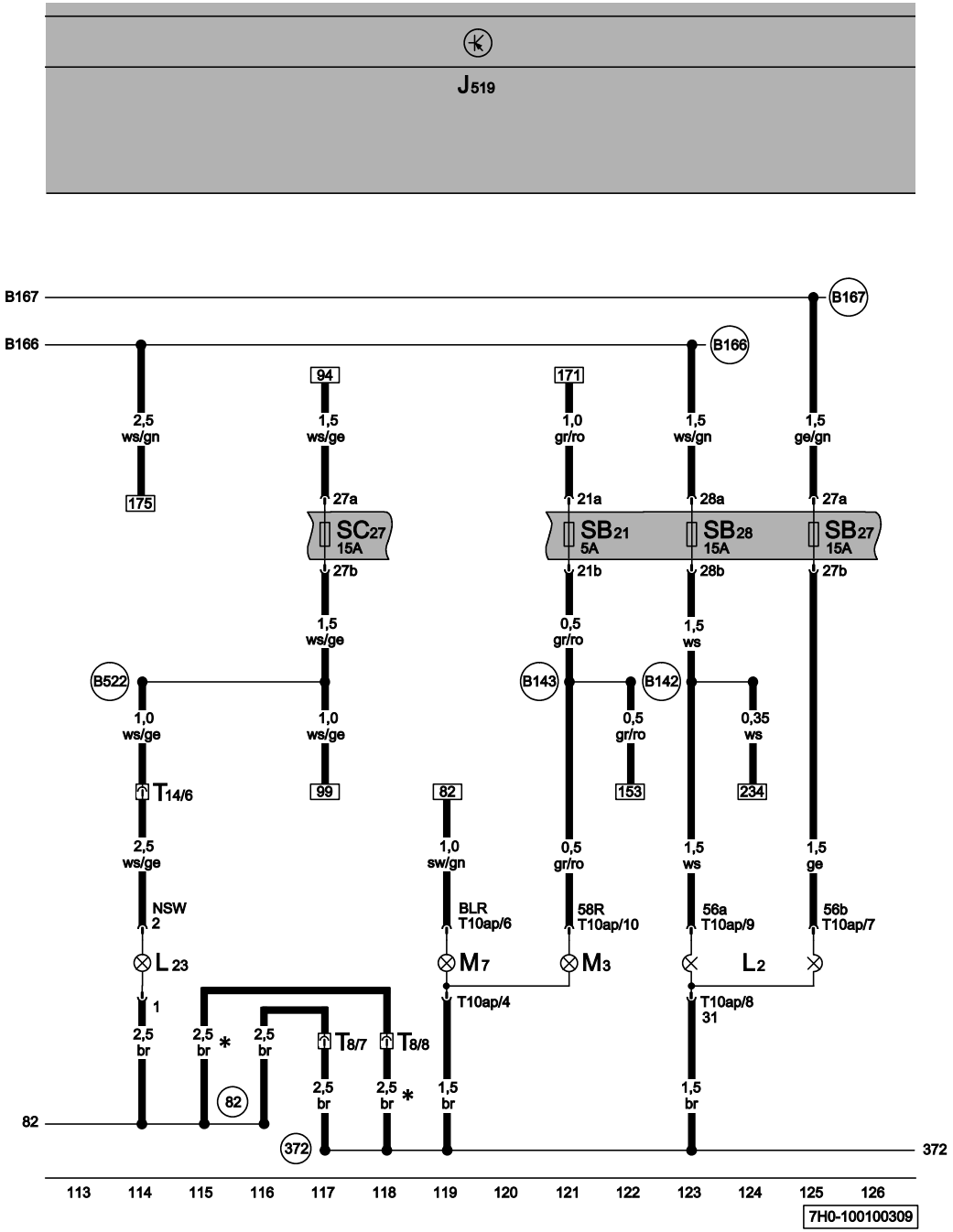
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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gr = grey
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Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

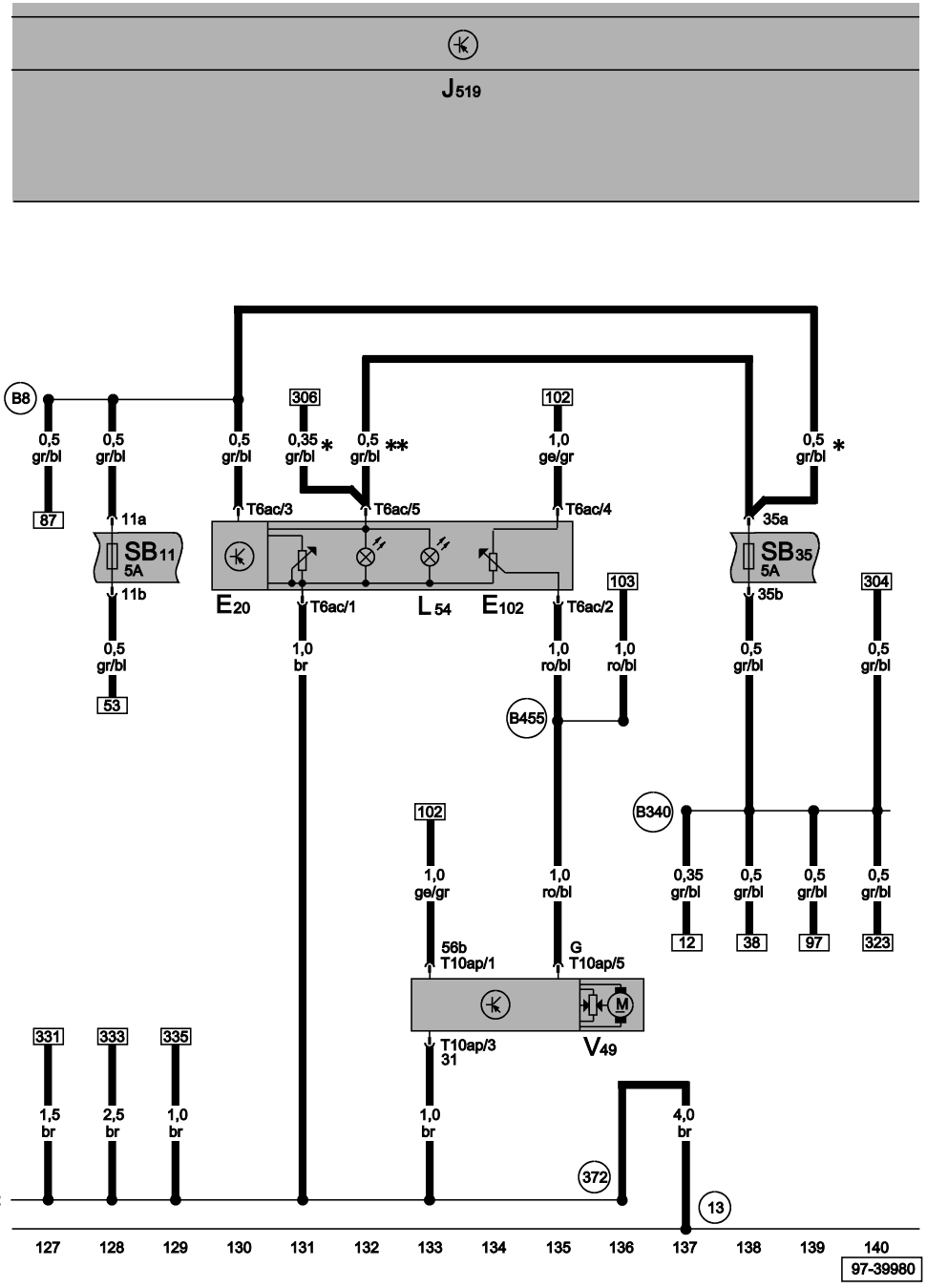
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment



ws = white
sw = black
ro = red
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bl = blue
gr = grey
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Fuses, right headlight twin filament bulb, right fog light bulb, right side light bulb, front right turn signal bulb

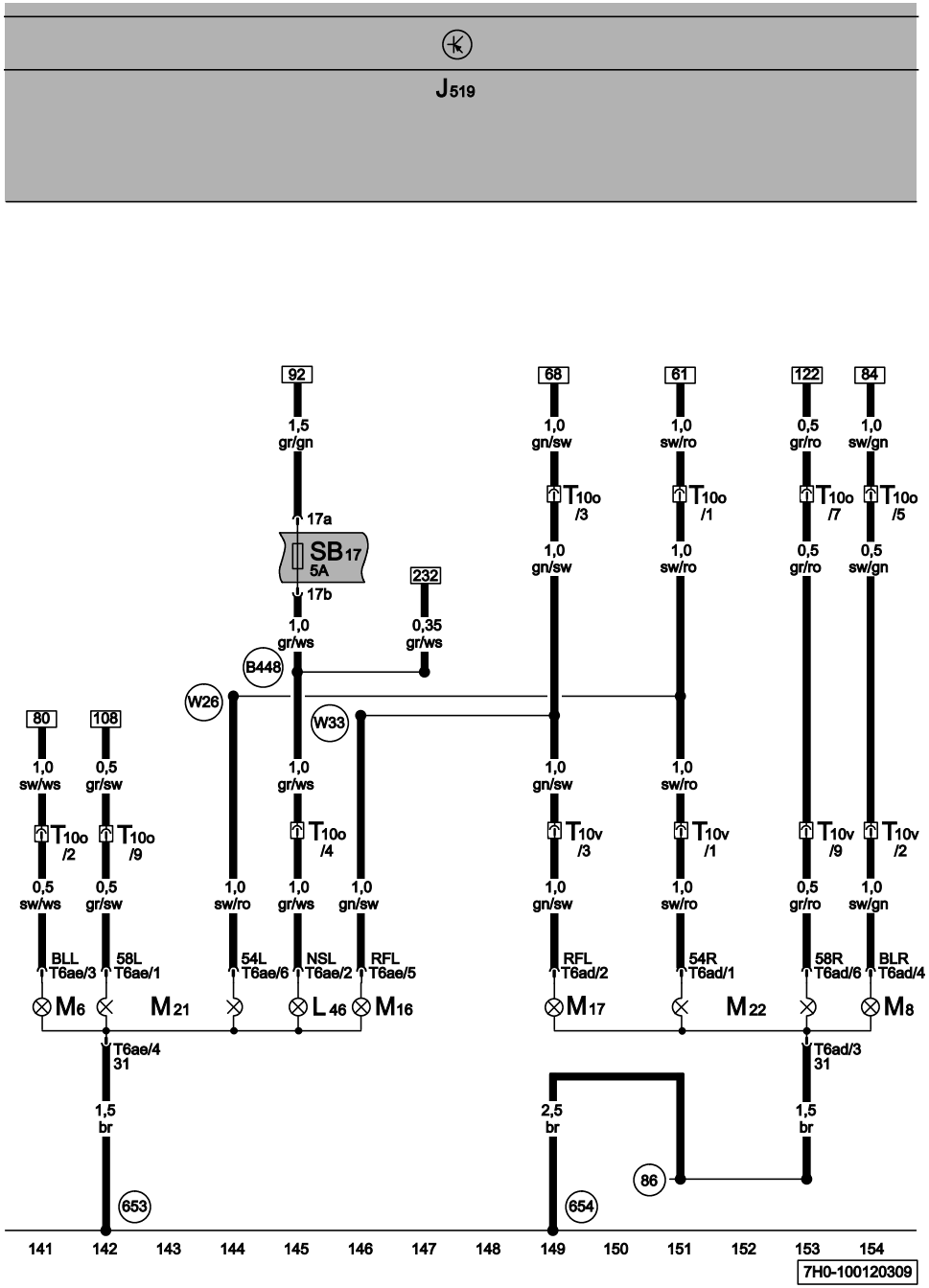
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only



ws = white
sw = black
ro = red
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ge = yellow
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Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

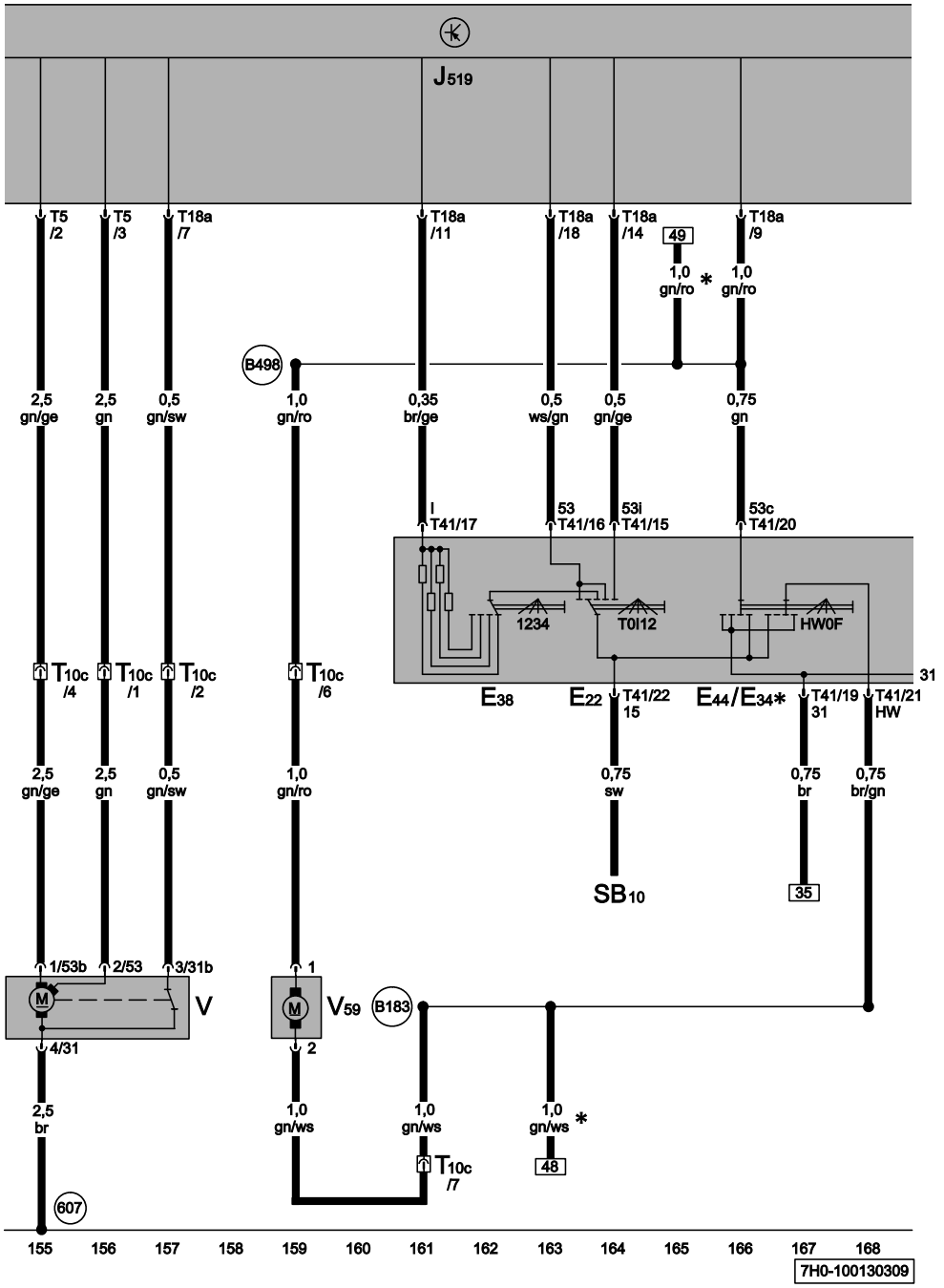
E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only



ws = white
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li = purple
ge = yellow
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rs = pink

Left brake and tail light bulb, right brake and tail light bulb, reversing light

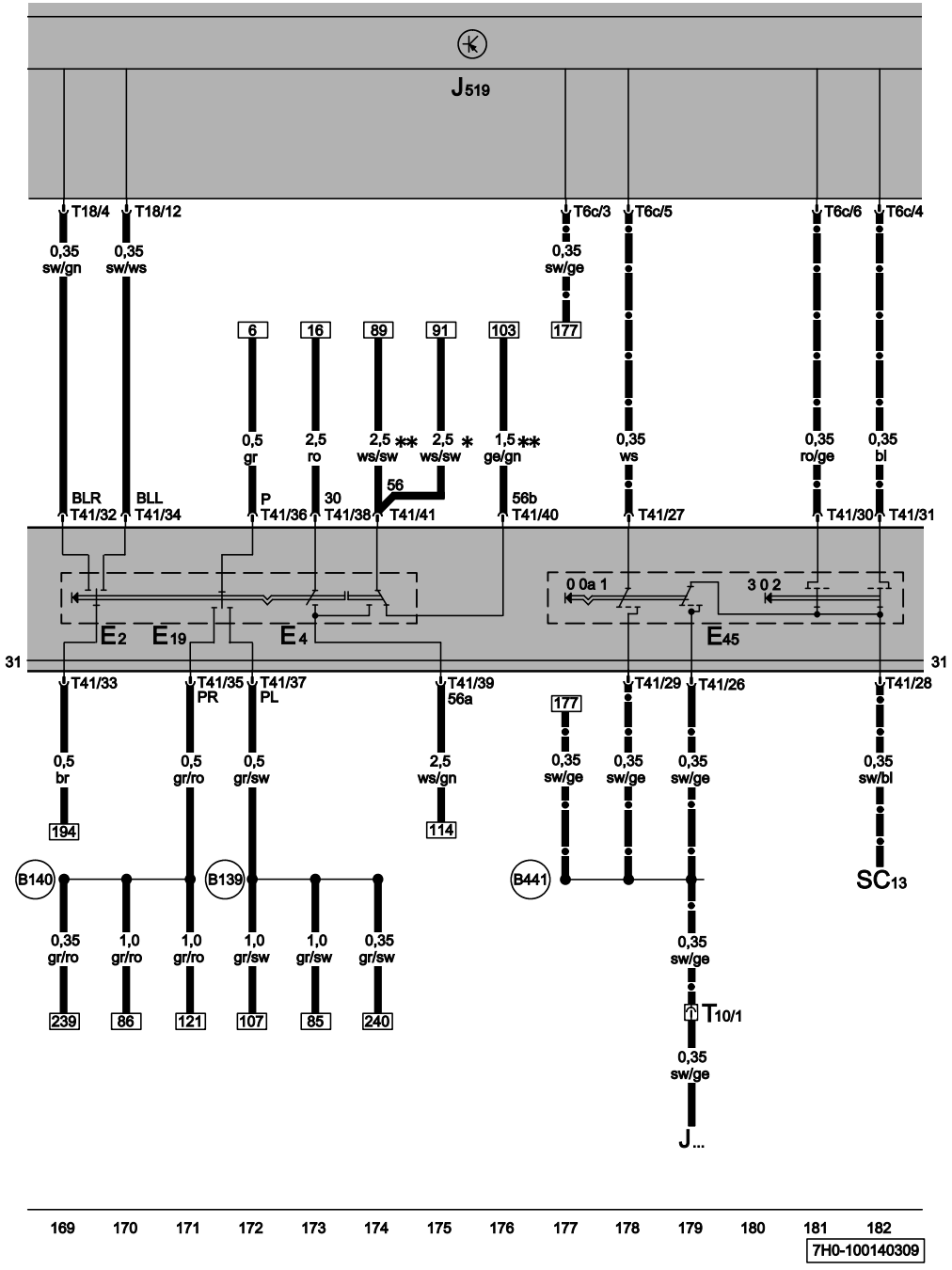
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
SB17	Fuse 17 on fuse holder B
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B448	Connection (rear fog light), in main wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness



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li = purple
ge = yellow
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Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	for models with rear window wiper only

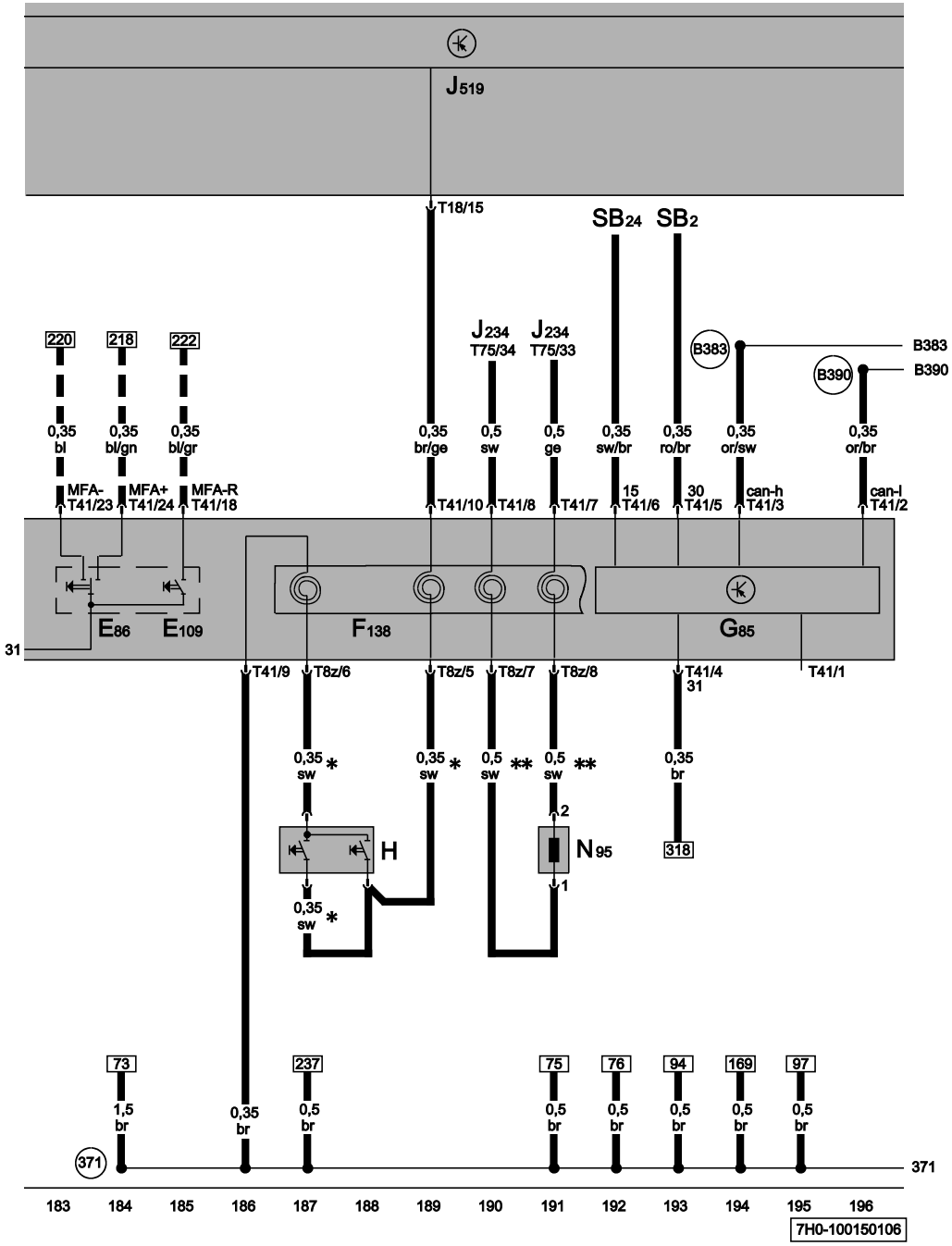


ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
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or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J...	Engine control units
J519	Onboard supply control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment

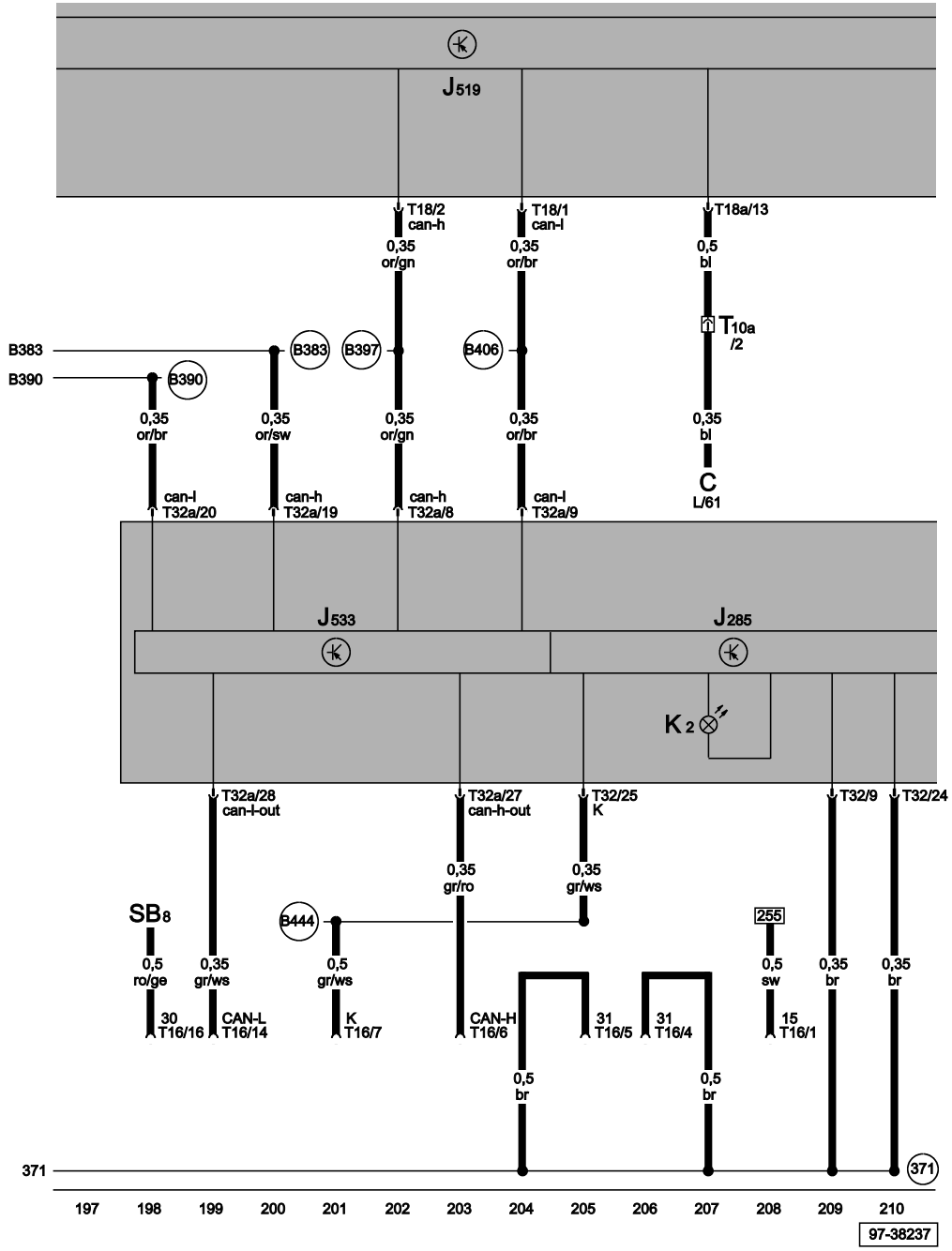
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for models with cruise control system only



ws = white
sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, multifunction display, horn plate, driver side airbag igniter, airbag coil connector/ return spring with slip ring, steering angle sender

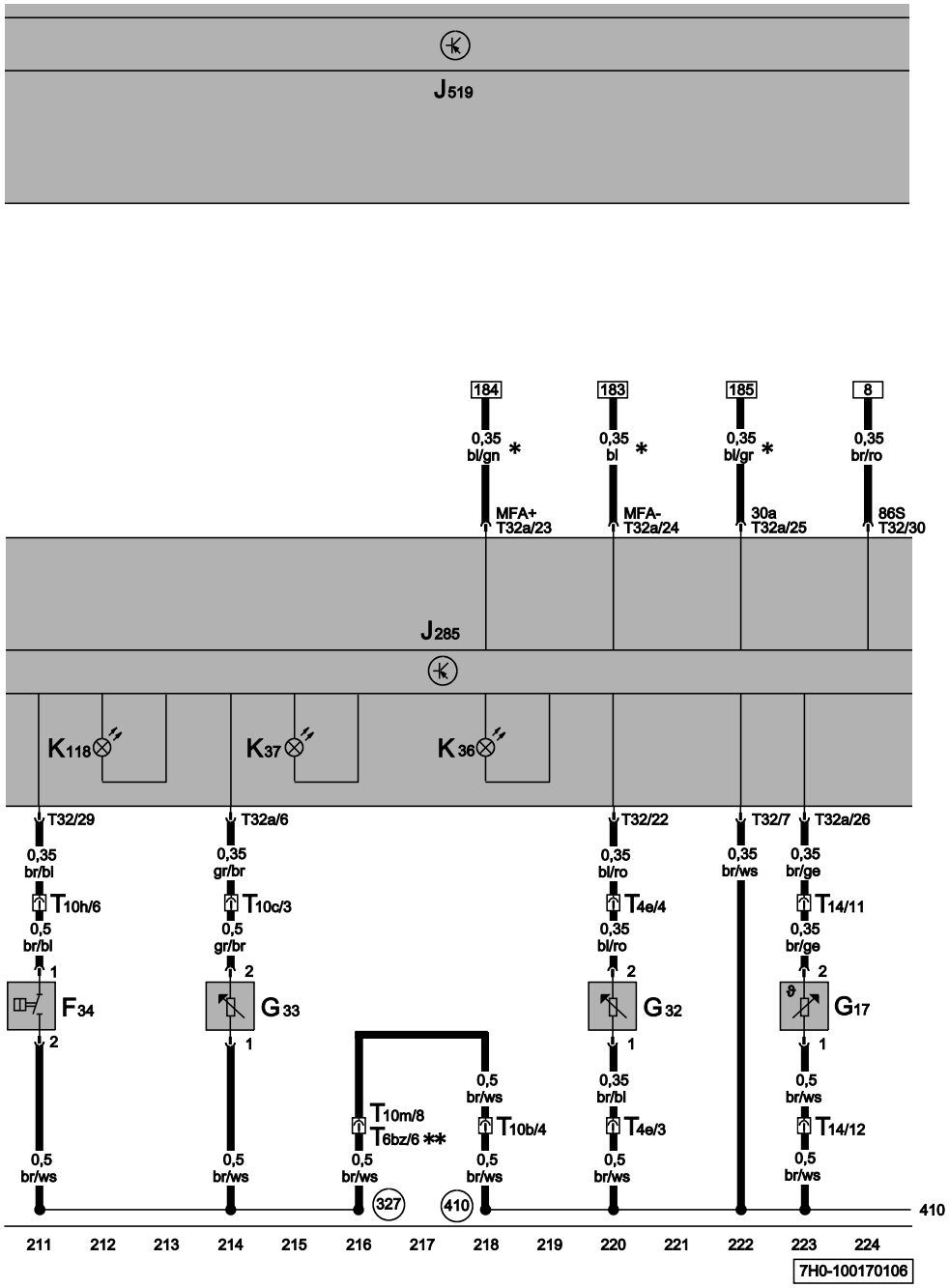
E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models without multifunction steering wheel only
**	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
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li = purple
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Onboard supply control unit, control unit in dash panel insert, self-diagnosis connection, data bus diagnostic interface, alternator

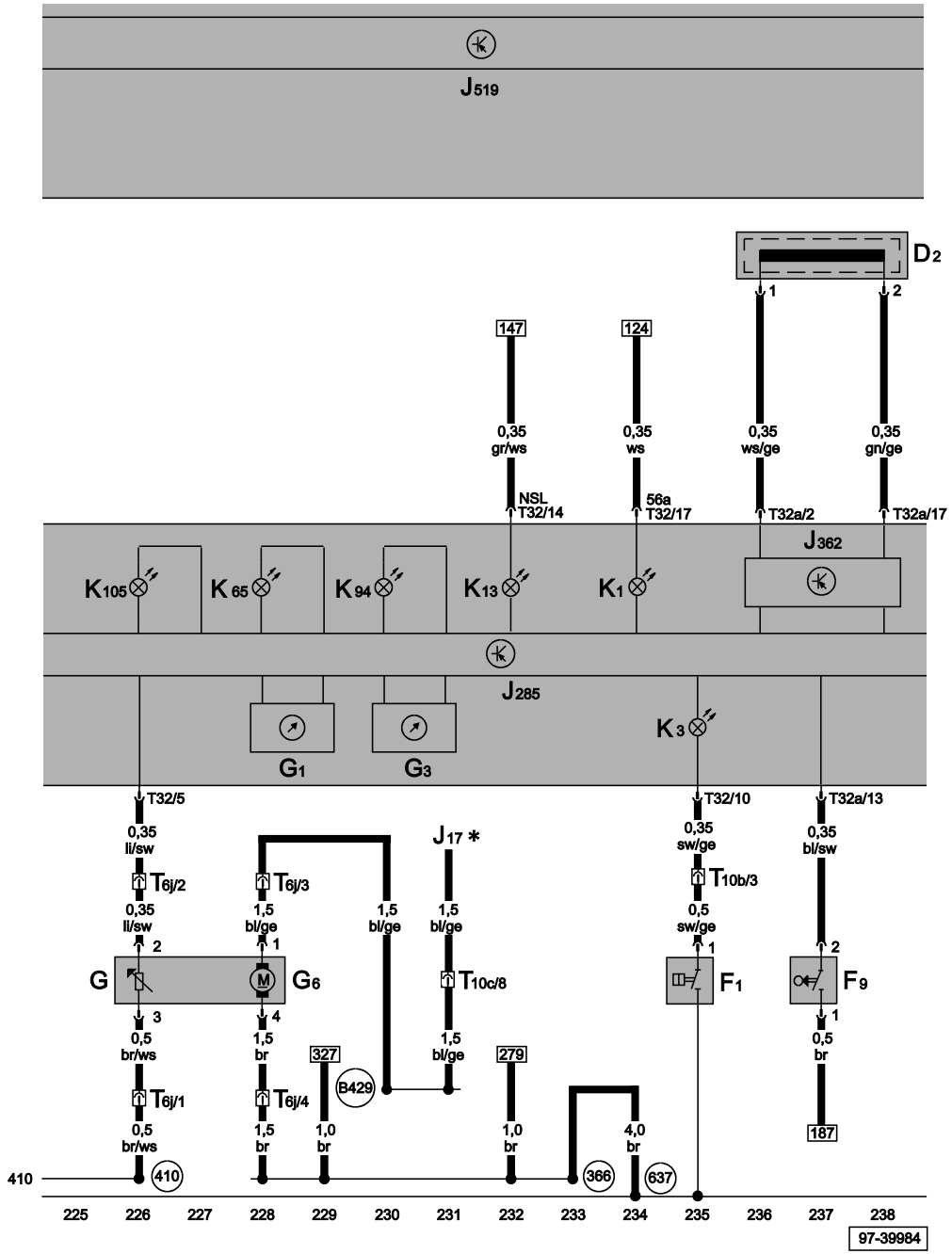
C	Alternator
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K2	Alternator warning lamp
SB8	Fuse 8 on fuse holder B
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

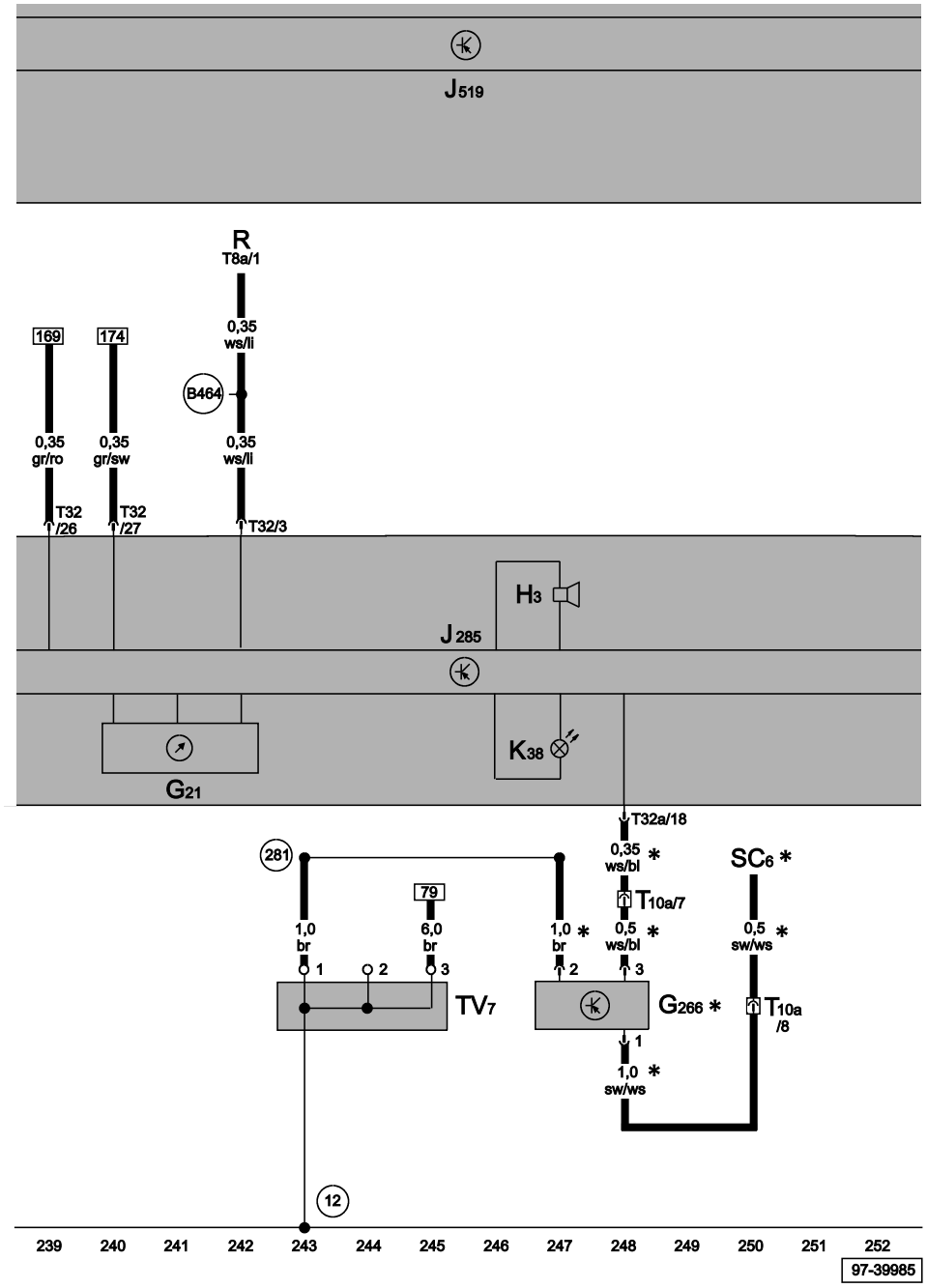
F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T14	14-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only
**	applicable from June 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, fuel gauge, coolant temperature gauge, handbrake warning switch, warning lamps, oil pressure switch, immobilizer, fuel pump

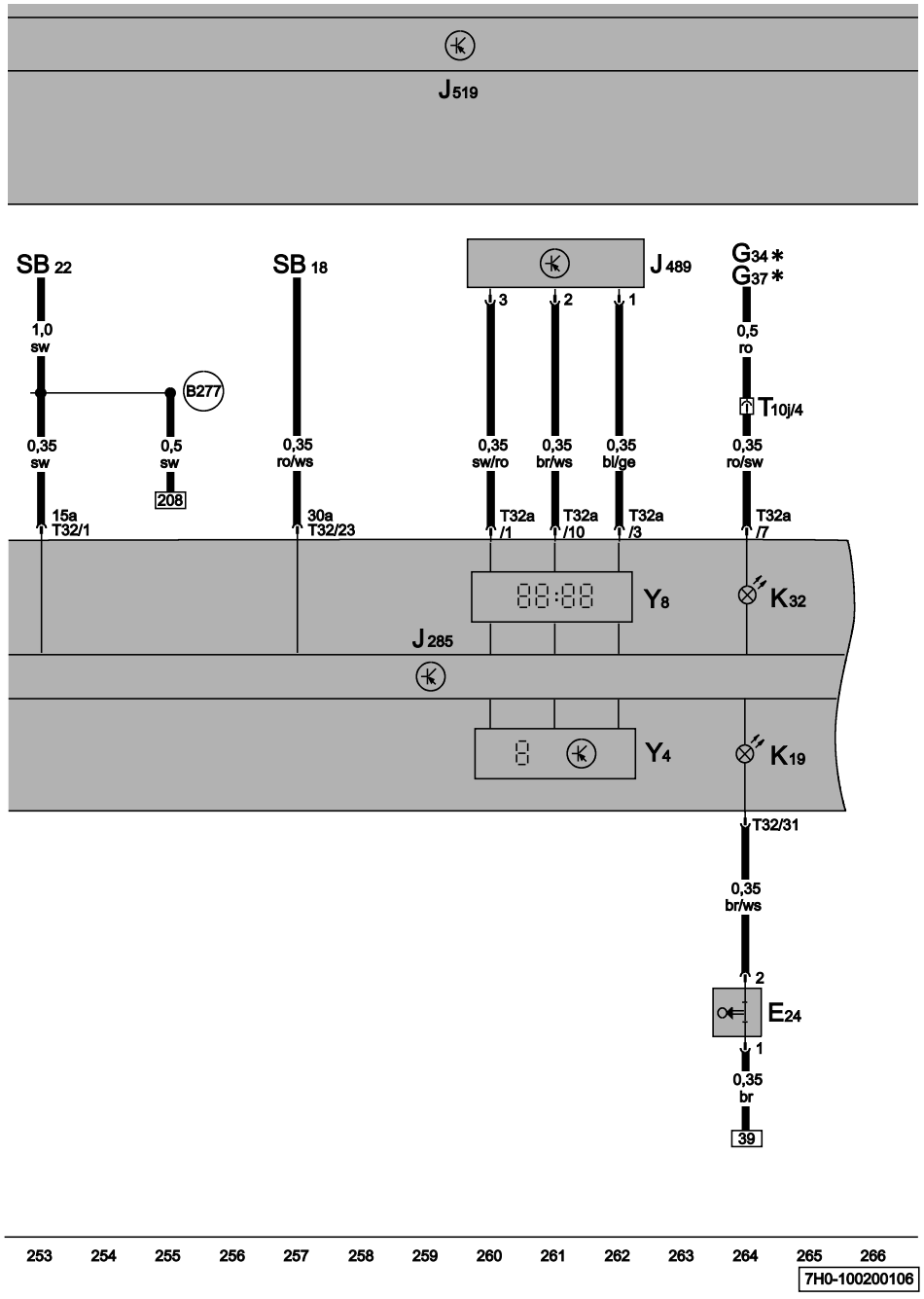
D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K1	Main beam warning lamp
K3	Oil pressure warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	⇒ engine Current Flow Diagram



Dash panel insert, oil level warning lamp, oil level and oil temperature sender

G21	Speedometer
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K38	Oil level warning lamp
R	Radio
SC6	Fuse 6 on fuse holder C
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B464	Connection (speed signal), in main wiring harness
*	for models with extended servicing intervals only

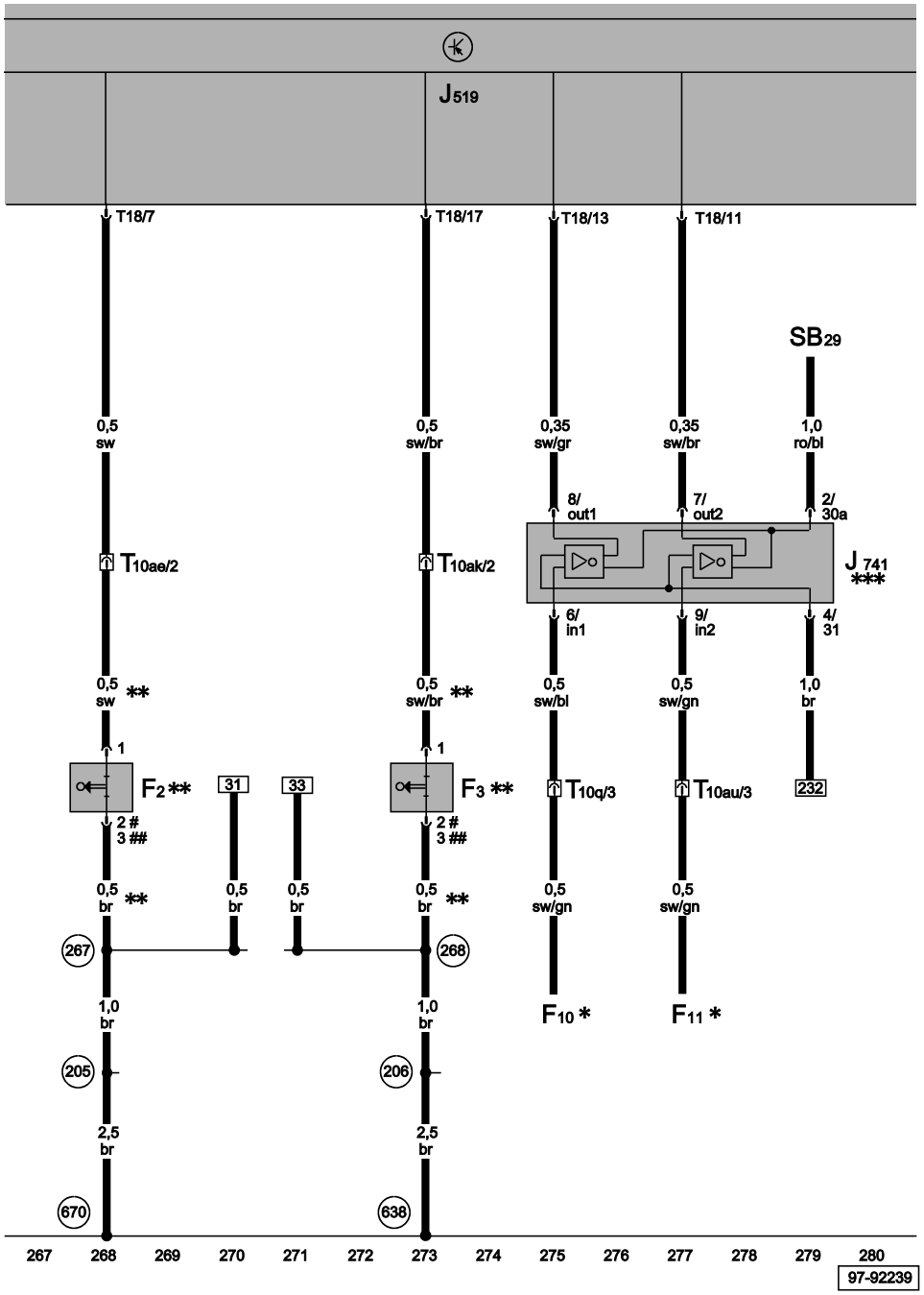
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ge	=	yellow
or	=	orange
rs	=	pink



Dash panel insert, seat belt warning system warning lamp, brake pad warning lamp, belt switch, brake pad wear sender, radio controlled clock

E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J519	Onboard supply control unit
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	⇒ ABS Current Flow Diagram

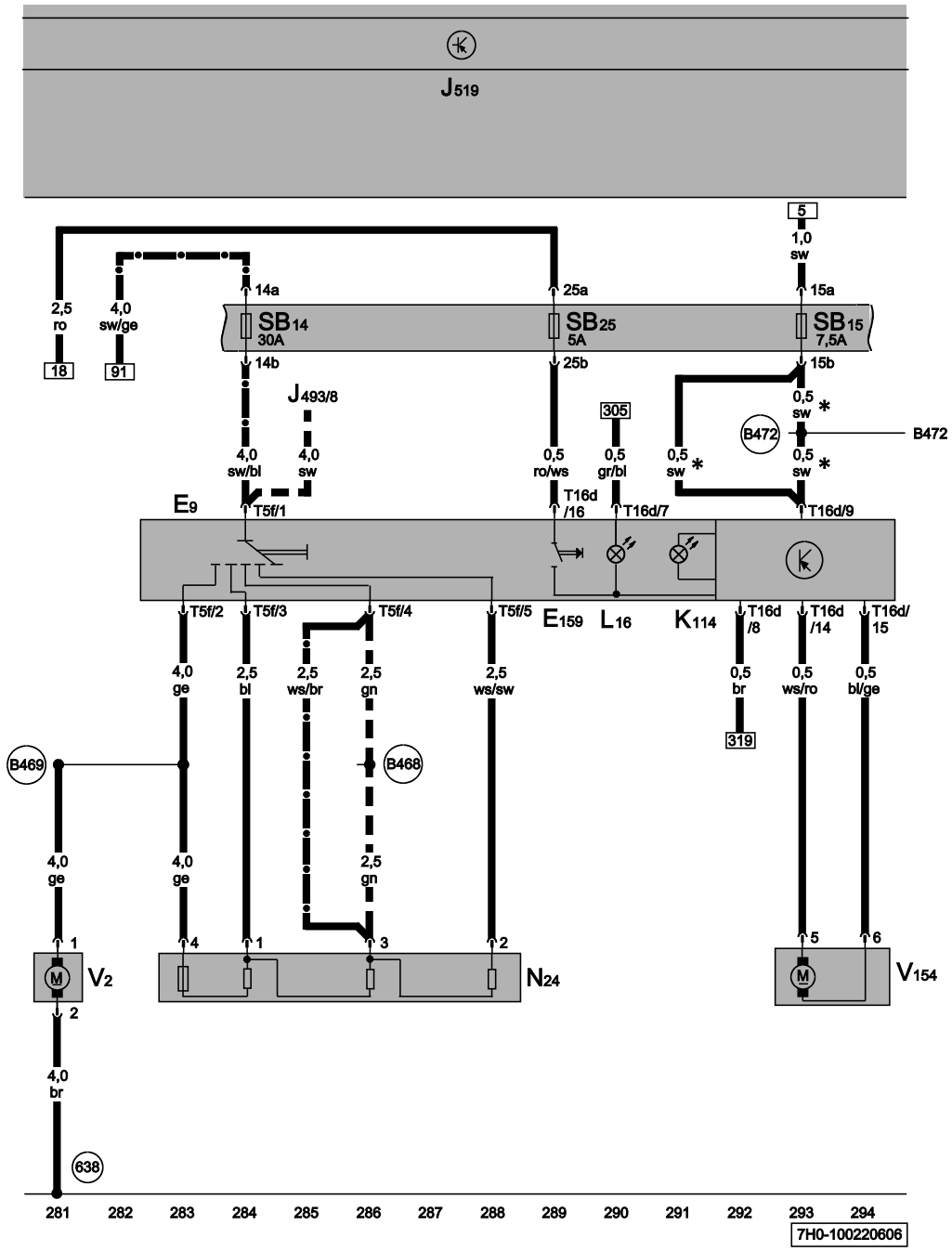
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Onboard power supply control unit, door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	⇒ Current Flow Diagram: convenience system
**	for models without central locking only
#	applicable up to May 2004
##	applicable from June 2004



ws = white

Fuses, fresh air blower switch, fresh air/air recirculation flap switch, fresh air blower, fresh air/recirculated air flap control motor

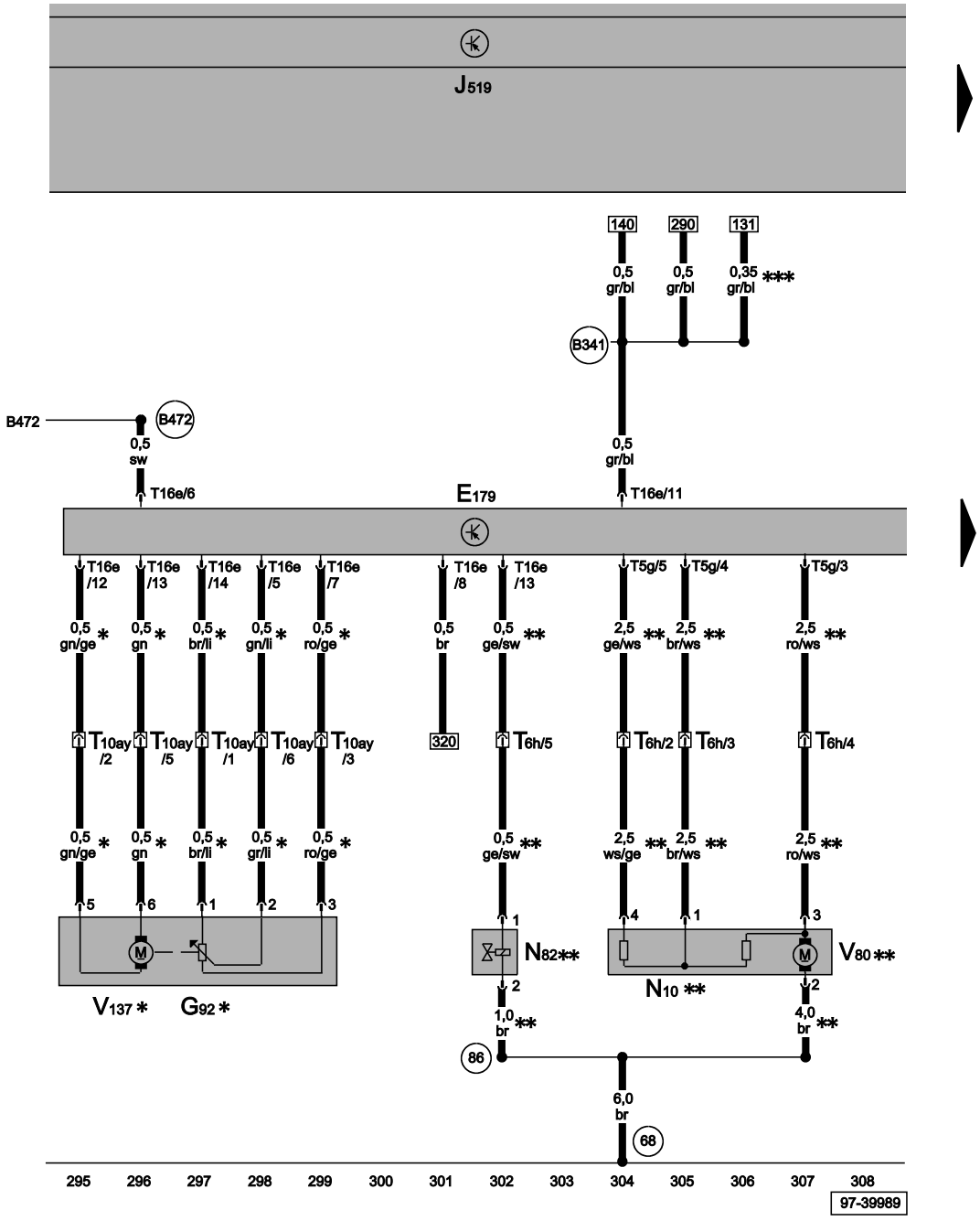
E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness
*	depends on equipment

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for models without auxiliary coolant heater only

<fo:external-graphic
for models with auxiliary coolant heater only

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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

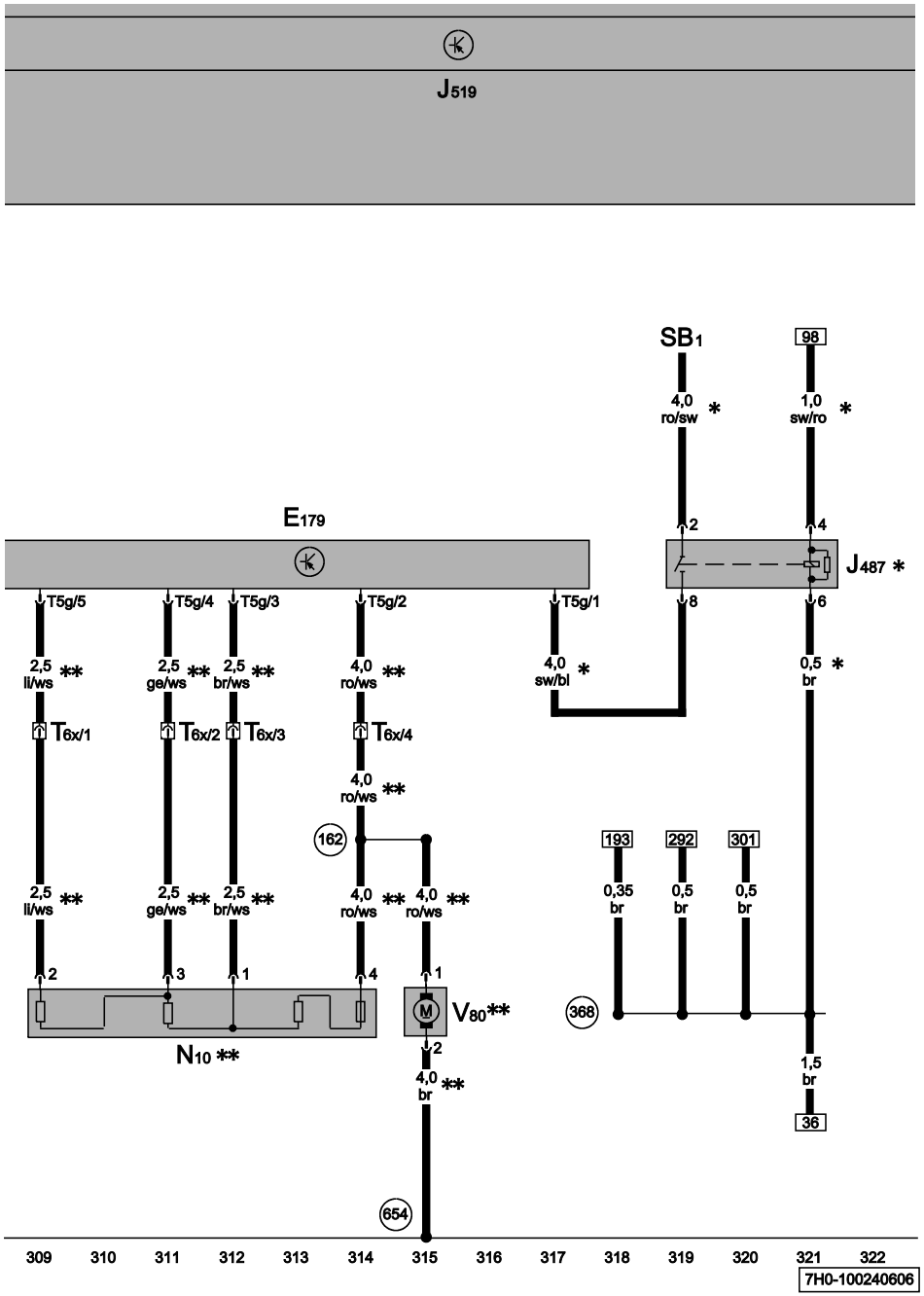
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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear potentiometer for temperature flap control motor, coolant shut-off valve

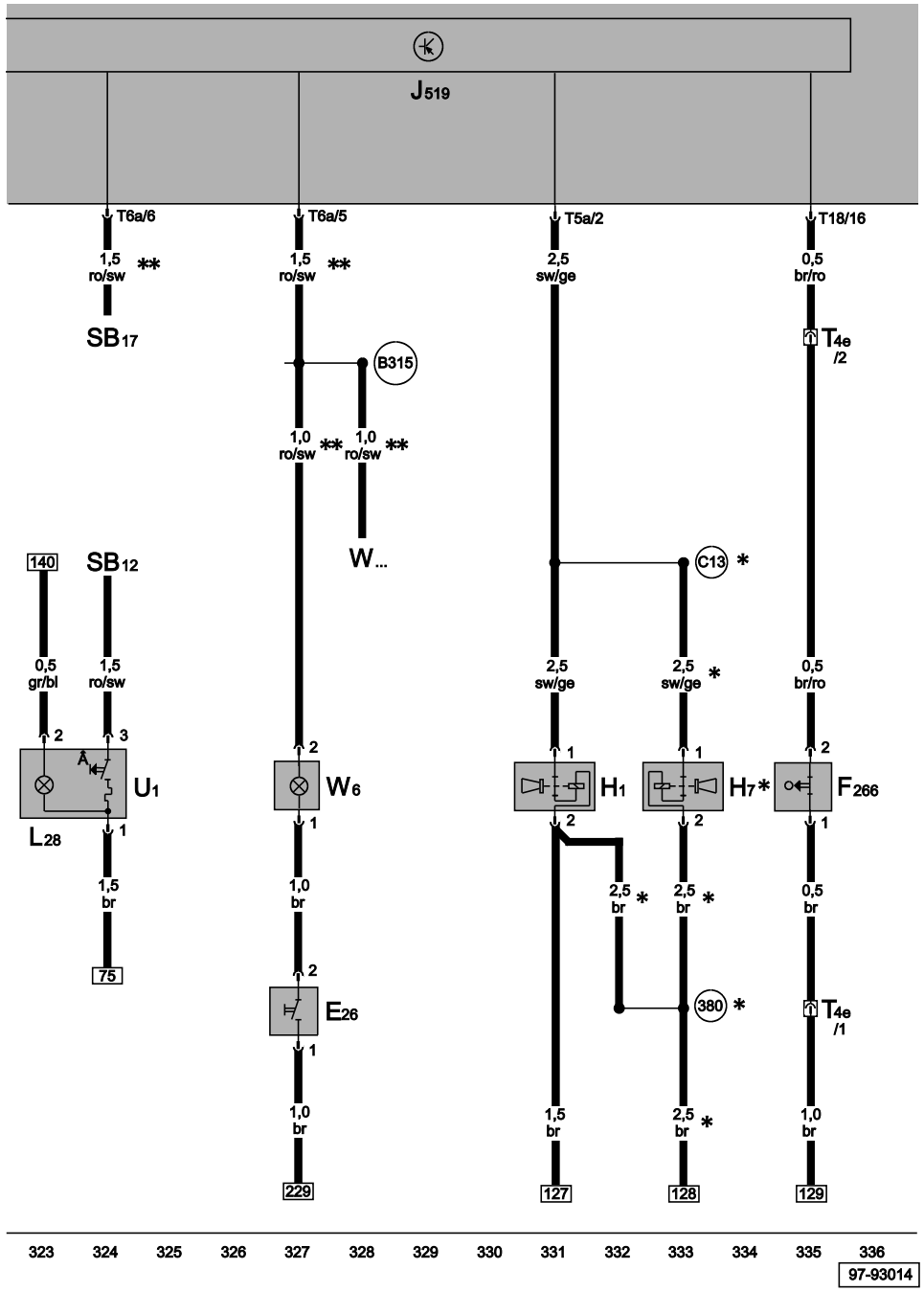
E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	For box-type delivery van or hybrid vehicle only, not double cab
**	for models with double cab only
***	for models without dimming instruments illumination only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
368	Earth connection 3, in main wiring harness
654	Earth point, right D-pillar
*	for models with a 2nd heater in passenger compartment only ⇒ Current Flow Diagram for heater air conditioning system with 2nd heat exchanger
**	For box-type delivery van or hybrid vehicle with a 2nd heater in passenger compartment only, not double cab, not camper



ws = white
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Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

E26	Glove compartment light switch
F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
SC17	Fuse 17 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
W...	Reading/interior lights
380	Earth connection 15, in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with dual tone horn only
**	for models without roof console only ⇒ interior lights Current Flow Diagram

Four-wheel drive (4 Motion) (G0L)

⇒ **Differential lock (1Y4)**

from November 2006

Notes:

For information concerning

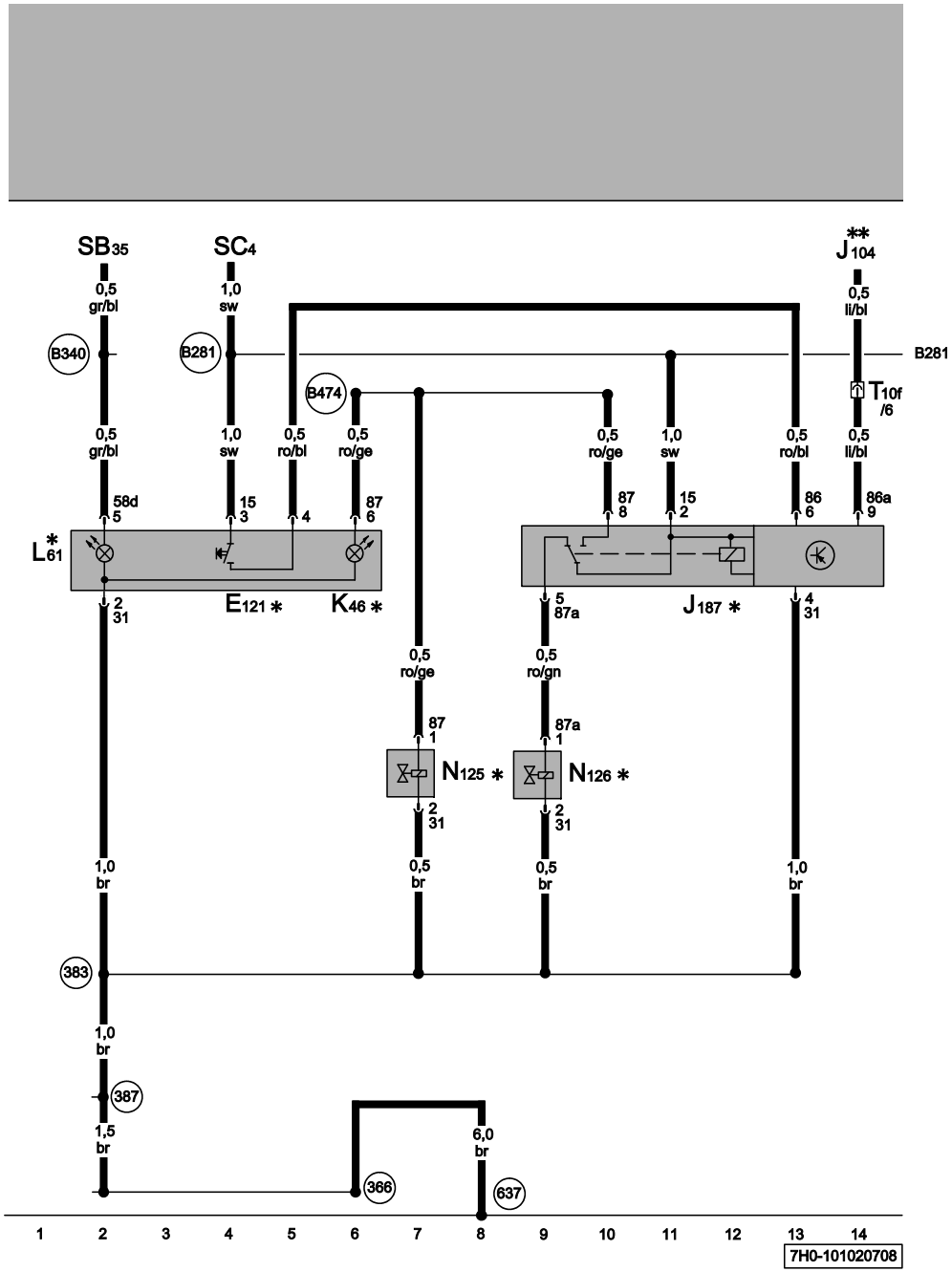
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

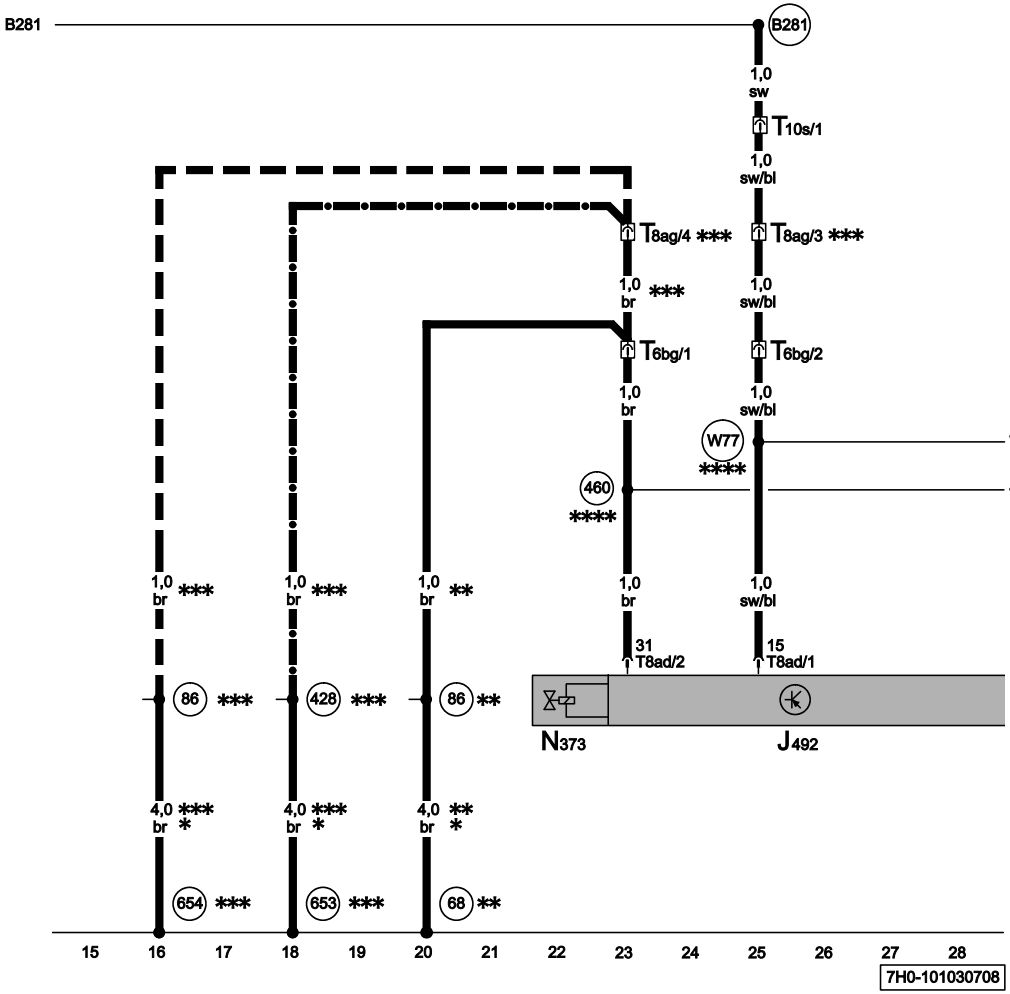
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Switch for rear differential lock, rear differential lock warning lamp, differential lock switch illumination bulb, differential lock valves

E121	Rear differential lock switch
J104	ABS control unit
J187	Differential lock control unit
K46	Rear differential lock warning lamp
L61	Differential lock switch illumination bulb
N125	Differential lock valve 1
N126	Differential lock valve 2
SB35	Fuse 35 on fuse holder B
SC4	Fuse 4 on fuse holder C
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
366	Earth connection 1, in main wiring harness
383	Earth connection 18, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B281	Positive connection 5 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B474	Connection 10 in main wiring harness
*	for models with differential lock only (1Y4)
**	⇒ ABS Current Flow Diagram

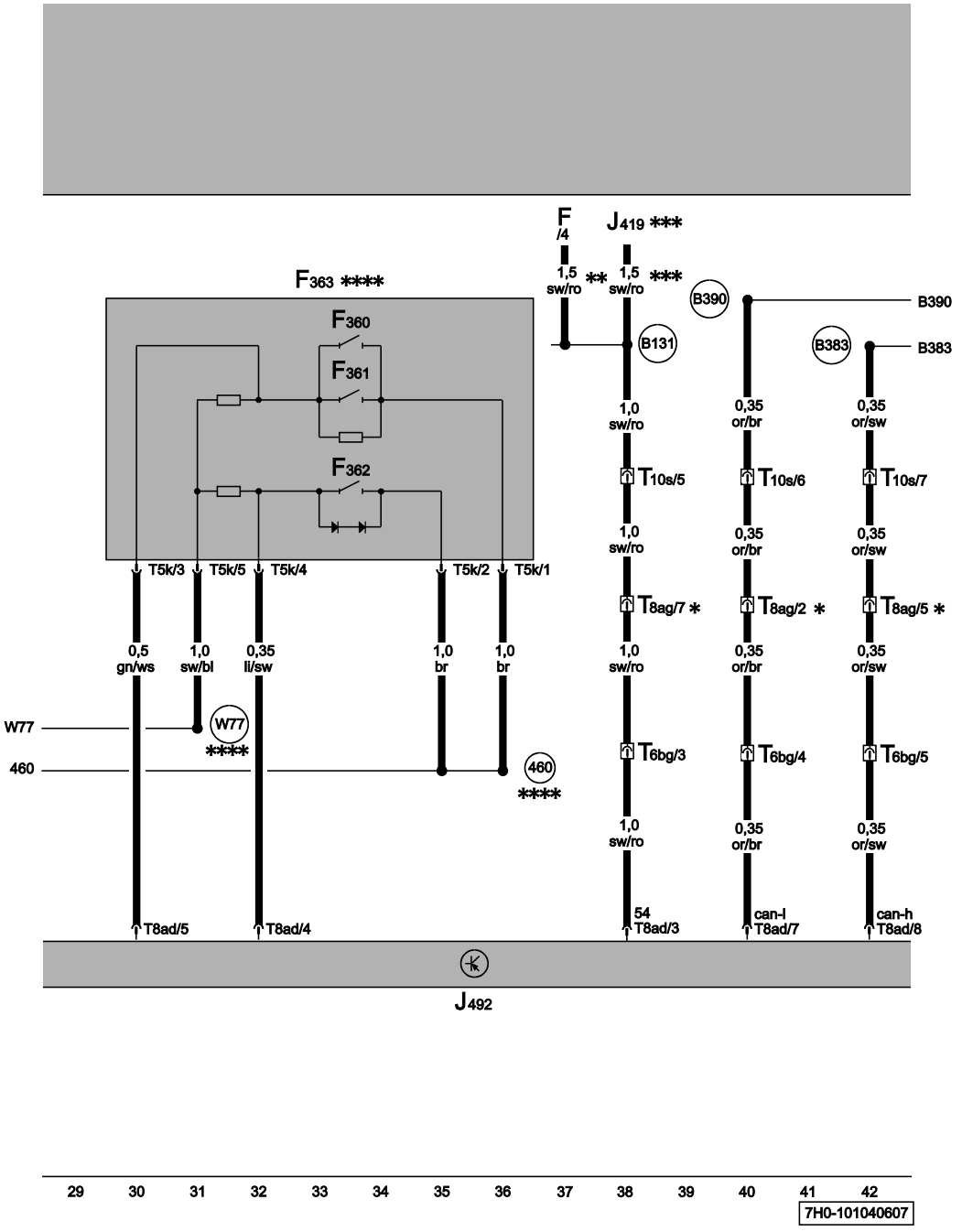


Four-wheel drive control unit, coupling opening control valve

J492	Four-wheel drive control unit
N373	Coupling opening control valve
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T8ag	8-pin connector, black, coupling station left D-pillar
T10s	10-pin connector, brown, coupling station under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
460	Earth connection 1, in four-wheel drive wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	cross-section depends on equipment
**	for models with double cab/ plank bed only
***	for multivan, box-type delivery van and hybrid vehicle only
****	for models with differential lock only (1Y4)

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applicable up to May 2008

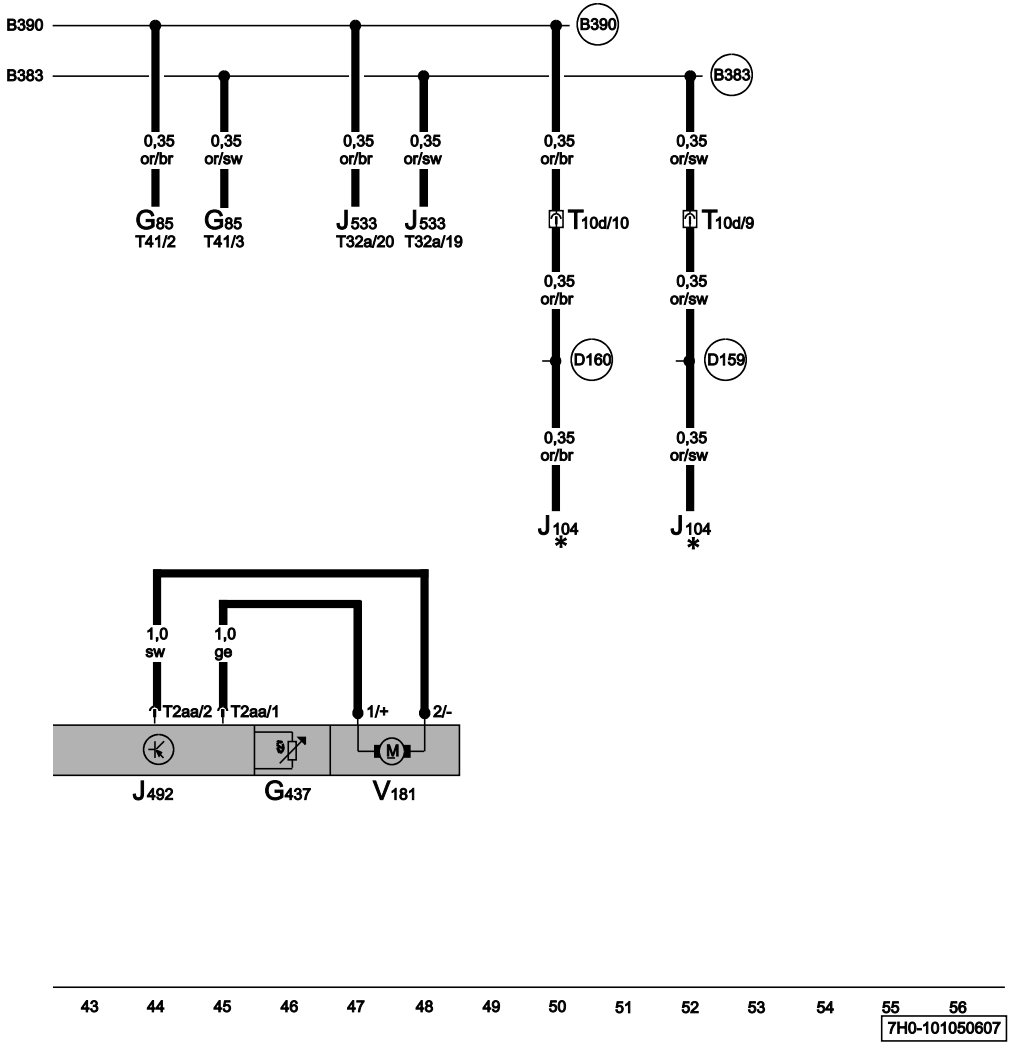
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applicable from June 2008



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Four-wheel drive control unit, rear differential lock vacuum switch

F	Brake light switch
F360	Reed contact switch 1 for differential lock
F361	Reed contact switch 2 for differential lock
F362	Reed contact switch 3 for differential lock
F363	Rear differential lock vacuum switch
J419	Brake light additional relay
J492	Four-wheel drive control unit
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T8ag	8-pin connector, black, coupling station left D-pillar
T10s	10-pin connector, brown, coupling station under driver seat
460	Earth connection 1, in four-wheel drive wiring harness
B131	Connection (54), in interior wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
****	for models with differential lock only (1Y4)



Four-wheel drive control unit, oil pressure and oil temperature sender, haldex coupling pump, steering angle sender, ABS control unit

G85	Steering angle sender
G437	Oil pressure and oil temperature sender
J104	ABS control unit
J492	Four-wheel drive control unit
J533	Data bus diagnostic interface
T2aa	2-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T32a	32-pin connector, green
T41	41-pin connector
V181	Haldex coupling pump
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	⇒ ABS Current Flow Diagram

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Shuttle interior lighting/ traveller, without roof console, without air conditioning system operating (control) unit in headliner

⇒ **Step illumination**

from February 2004

Notes:

For information concerning

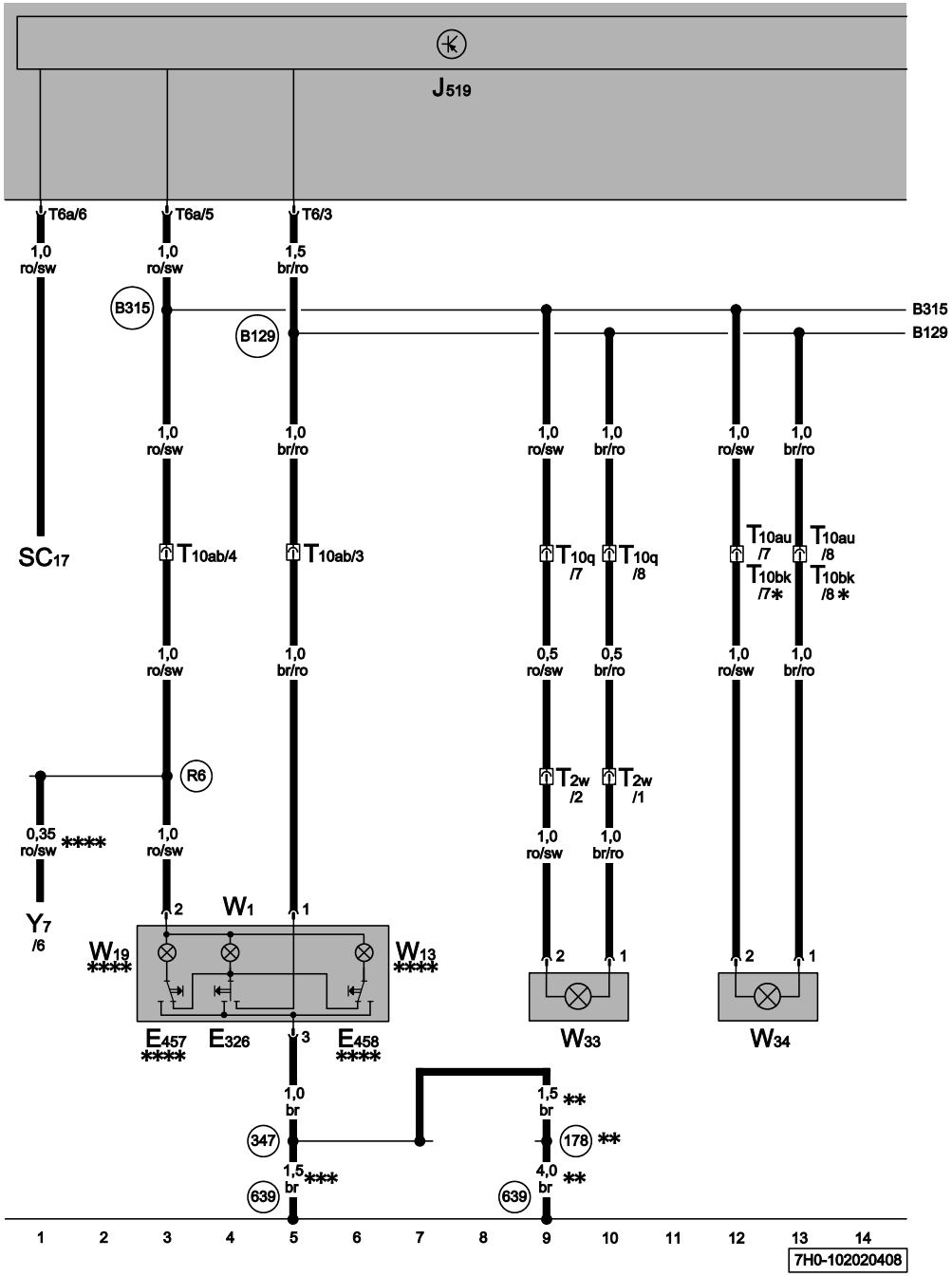
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

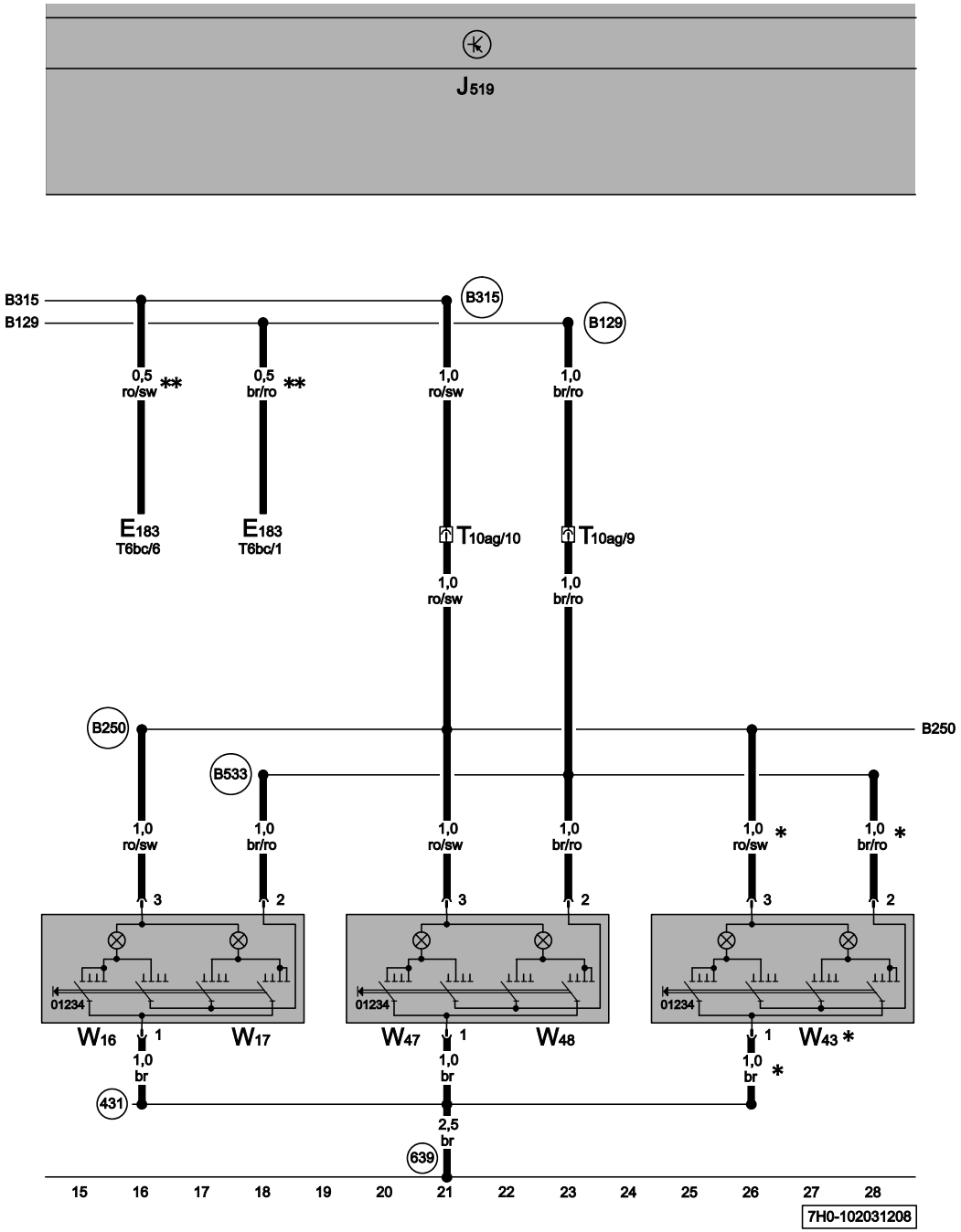
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, reading lights, rear entry lights

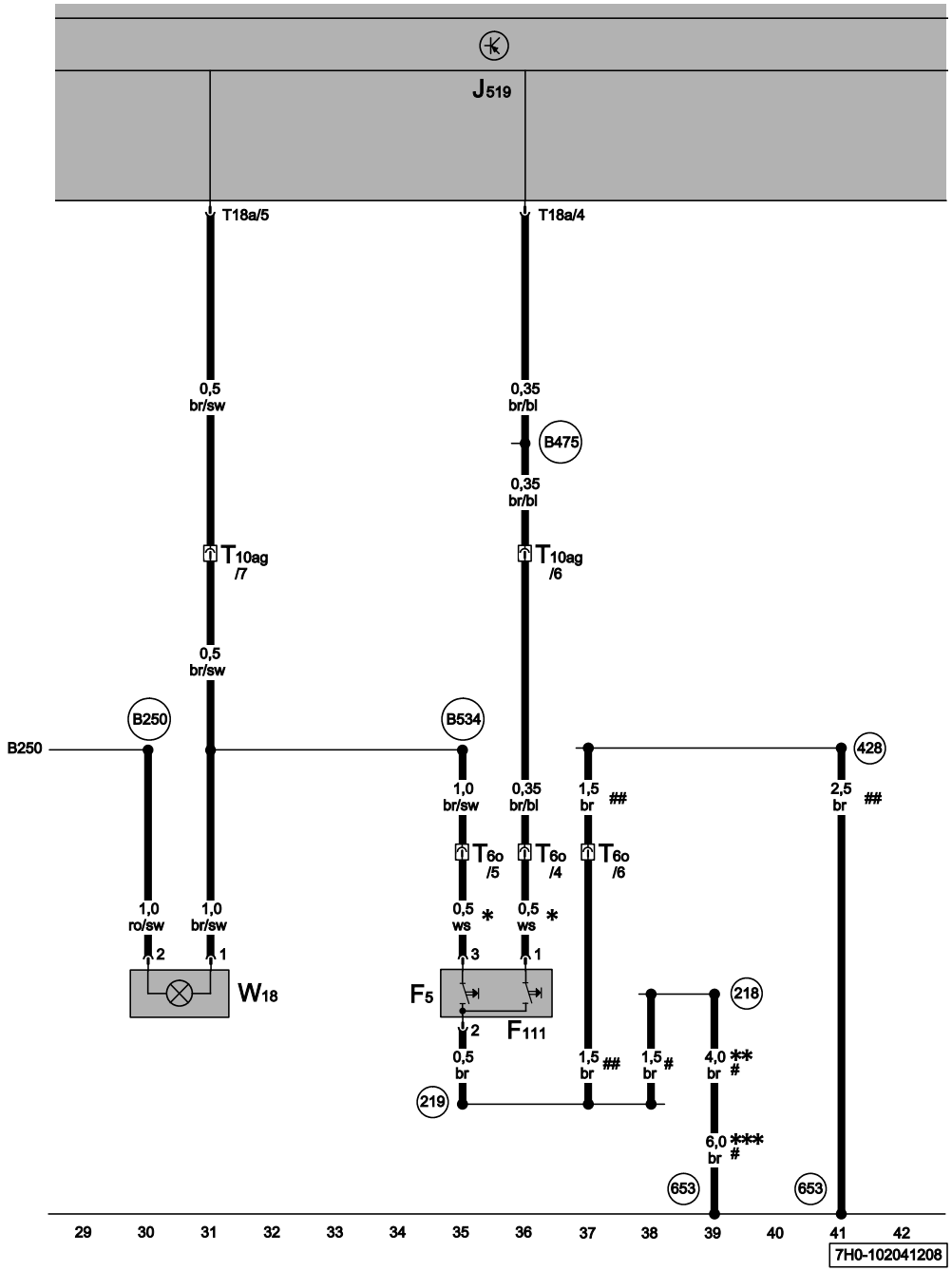
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T2w	2-pin connector, black, lower left B-pillar
T6	6-pin connector, black
T6a	6-pin connector, brown
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	applicable from January 2005
**	for models with sliding/tilting sunroof
***	for models without sliding/tilting sunroof
****	depends on equipment



Left and right interior lights, rear interior lights, interior monitoring switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T6bc	6-pin connector, blue
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W16	Left interior light
W17	Right interior light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	for models with long wheel base only
**	for models with anti-theft alarm system only 7AL/7AQ

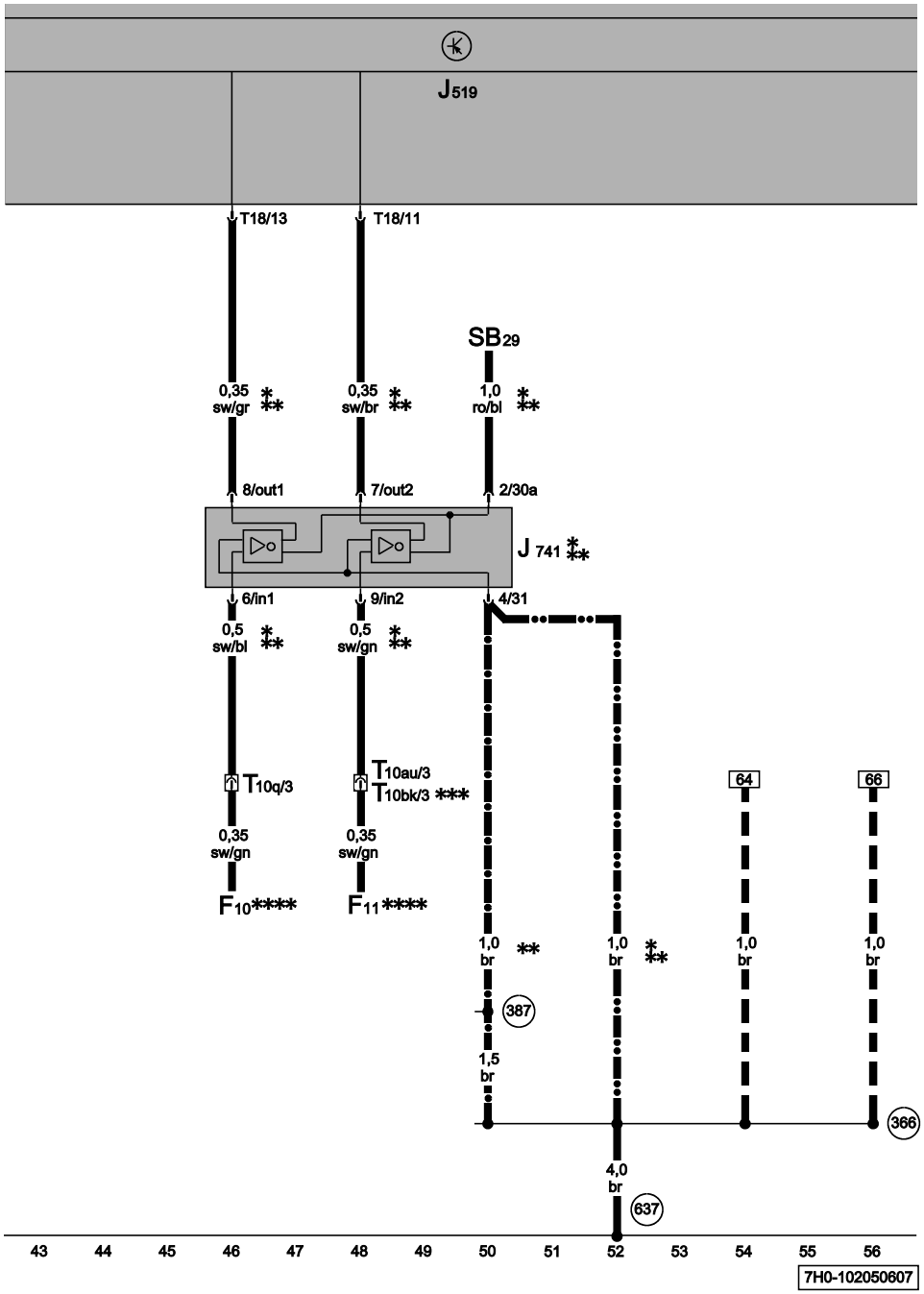
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li	=	purple
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch, luggage compartment light

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models without heated rear window only
***	for models with heated rear window only
#	applicable up to December 2004
##	applicable from January 2005



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to December 2004, only models with mechanical sliding door
**	applicable from January 2005, for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2005
****	⇒ Current Flow Diagram: convenience system

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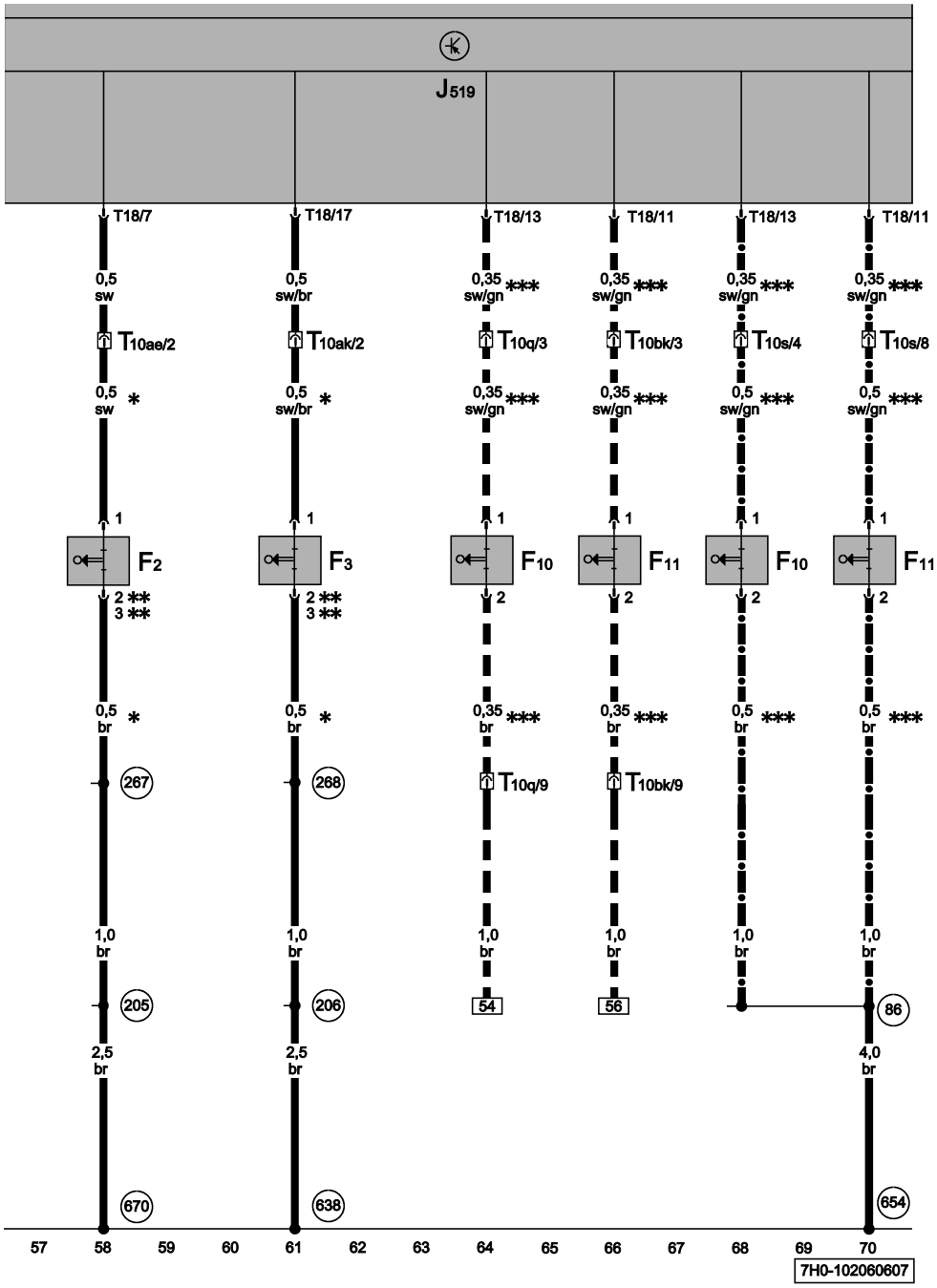
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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applicable up to December 2005



ws = white

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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applicable from January 2006

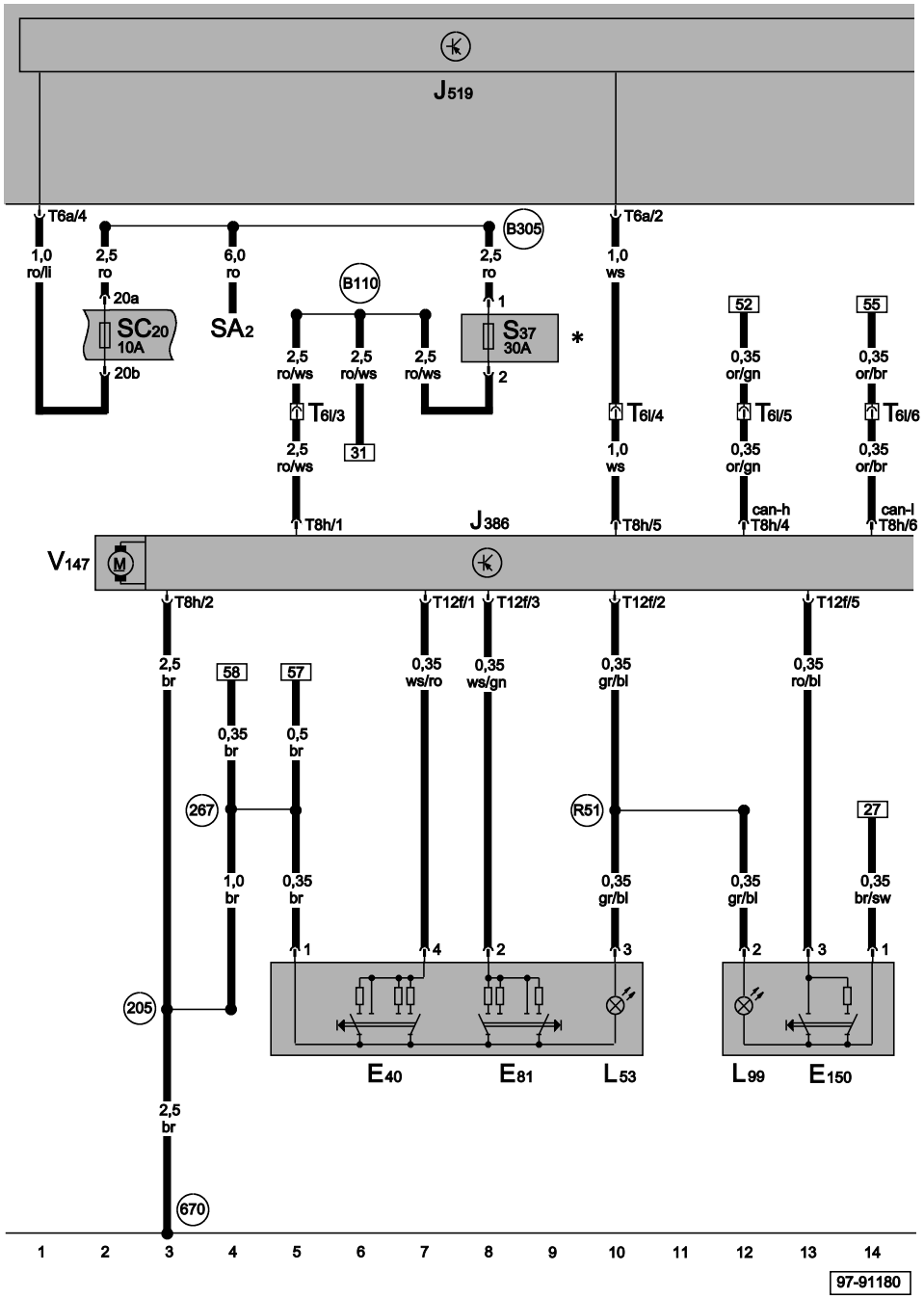
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from May 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

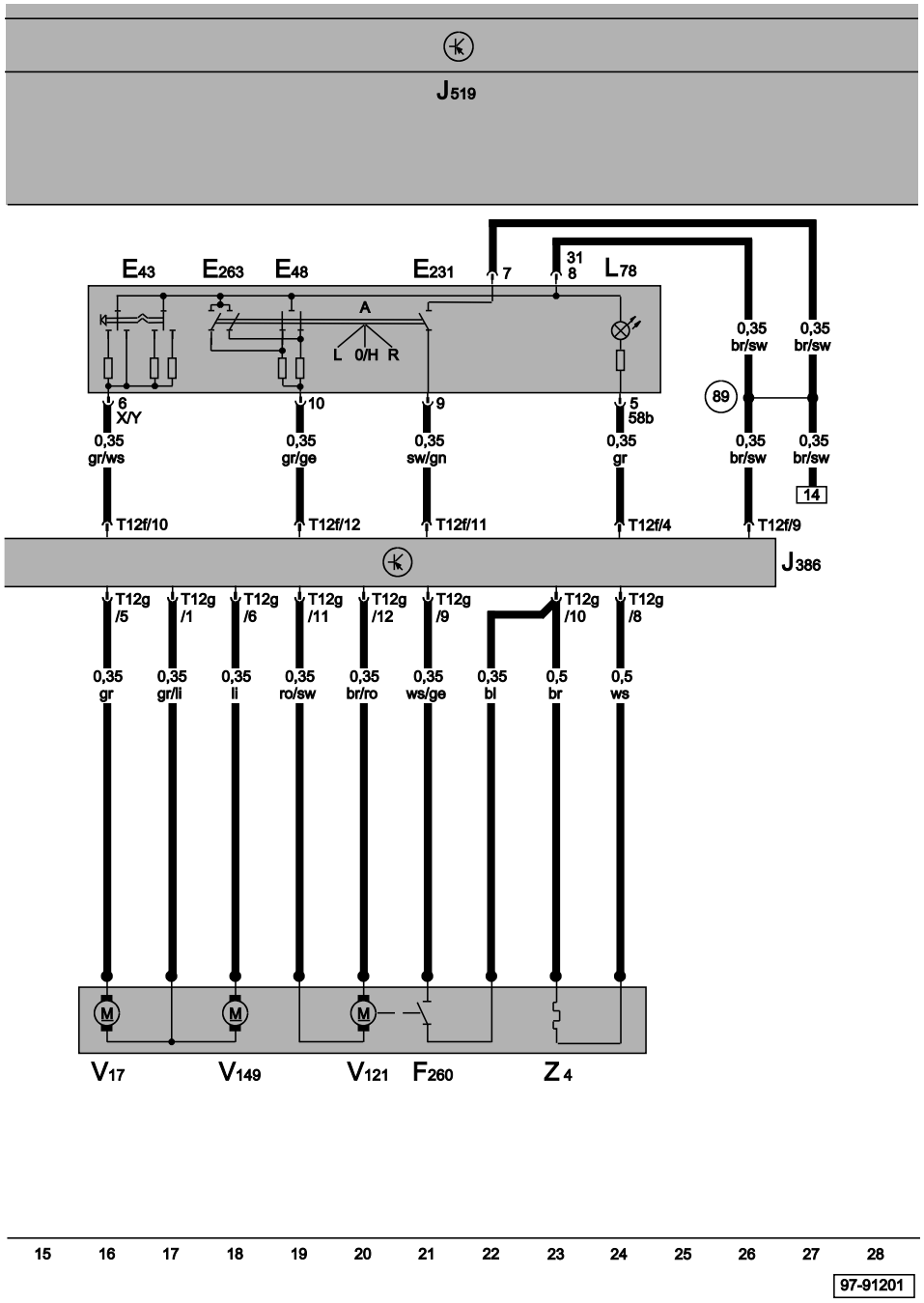
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left and right window regulator switch in driver door, interior locking switch, window regulator single fuse, driver side door control unit

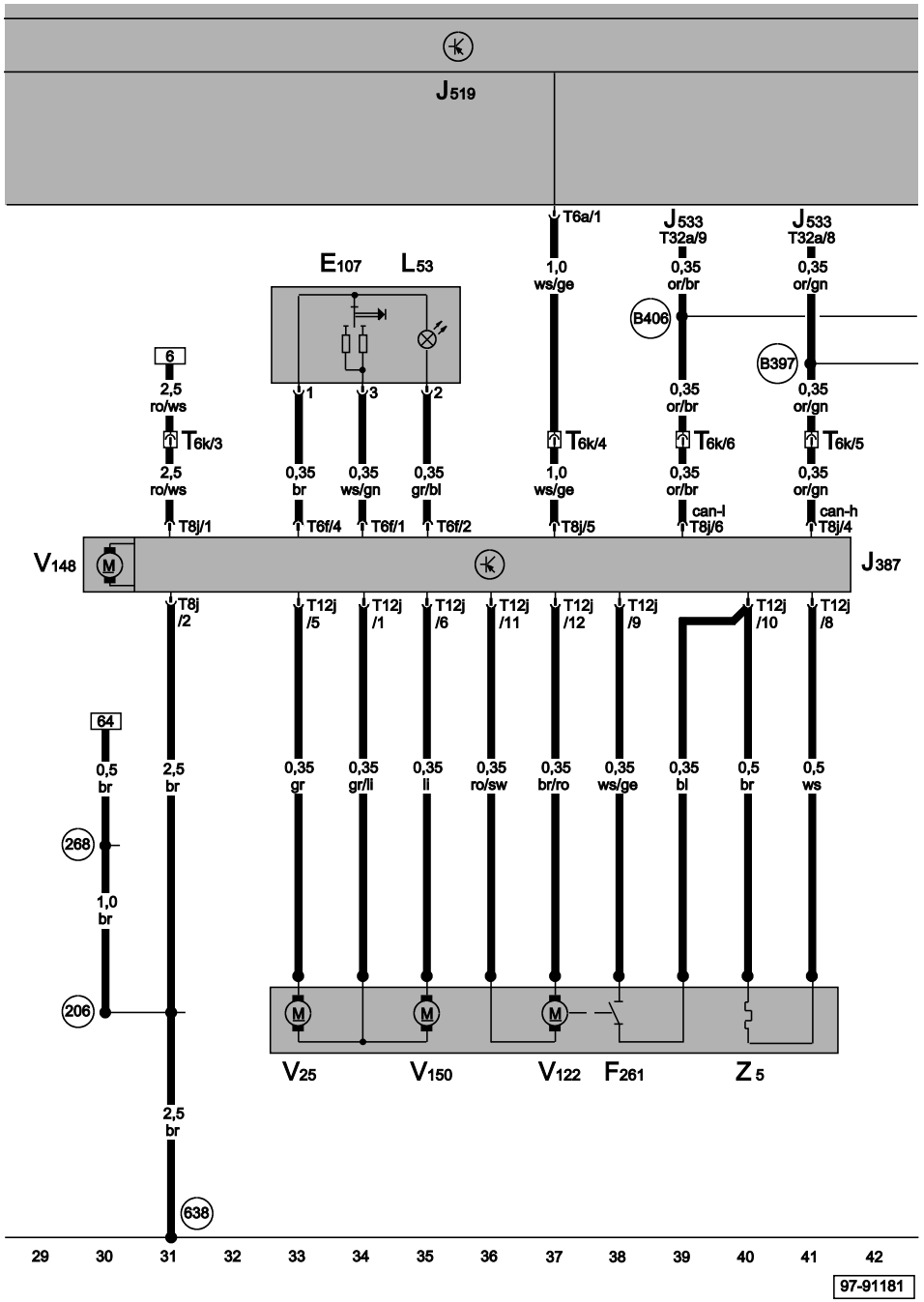
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
E150	Driver side interior locking switch
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
L99	Interior lock switch illumination bulb
S37	Window regulator single fuse
SA2	Fuse 2 on fuse holder A
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T12f	12-pin connector
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B305	Positive connection 9 (30), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations



Mirror adjustment switch, driver door control unit, driver side fold-in mirror motor, driver side heated exterior mirror, fold-in mirror switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
T12f	12-pin connector
T12g	12-pin connector
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness

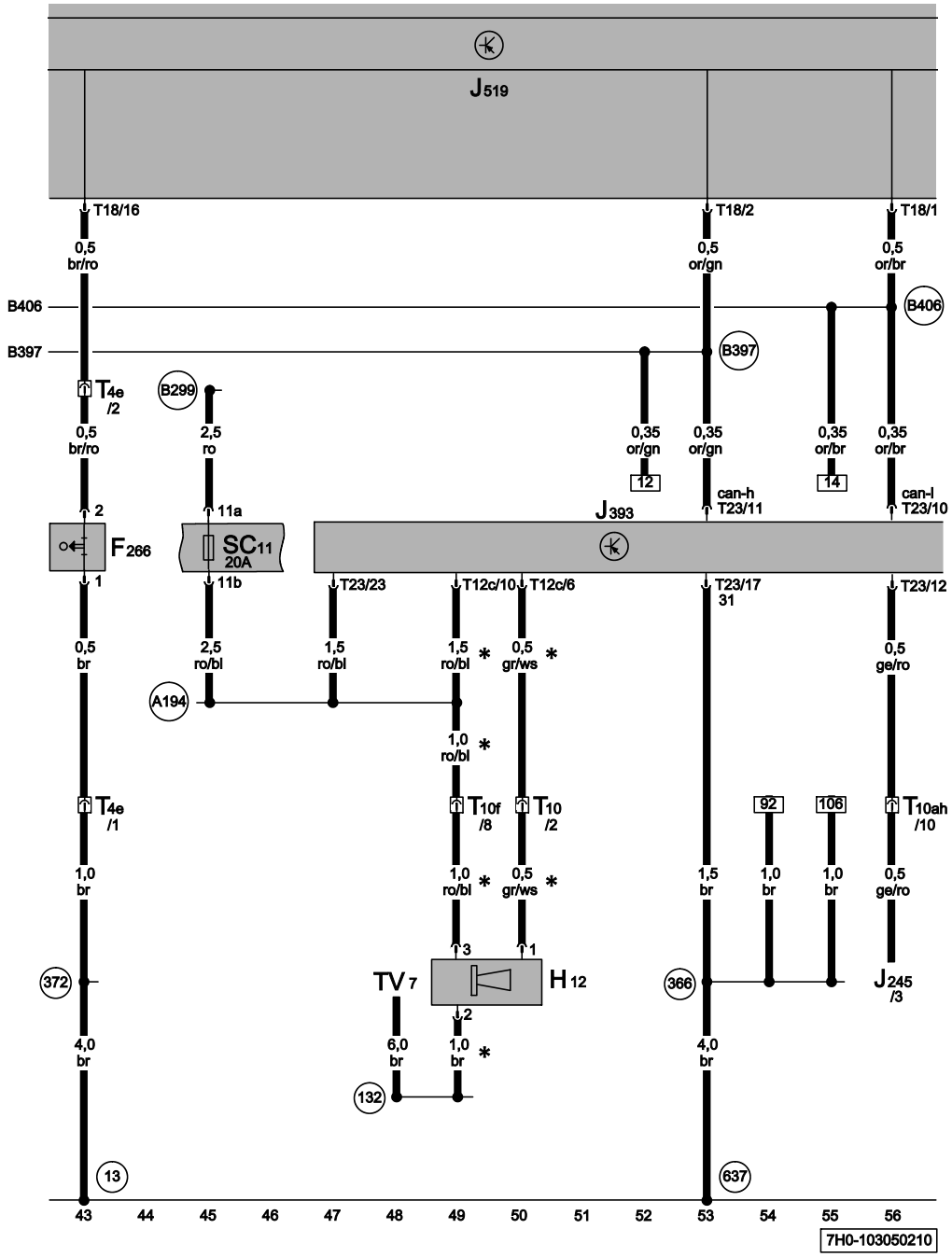
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T6k	6-pin connector, brown, coupling station on right of A-pillar
T8j	8-pin connector
T12j	12-pin connector
T32a	32-pin connector, green
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

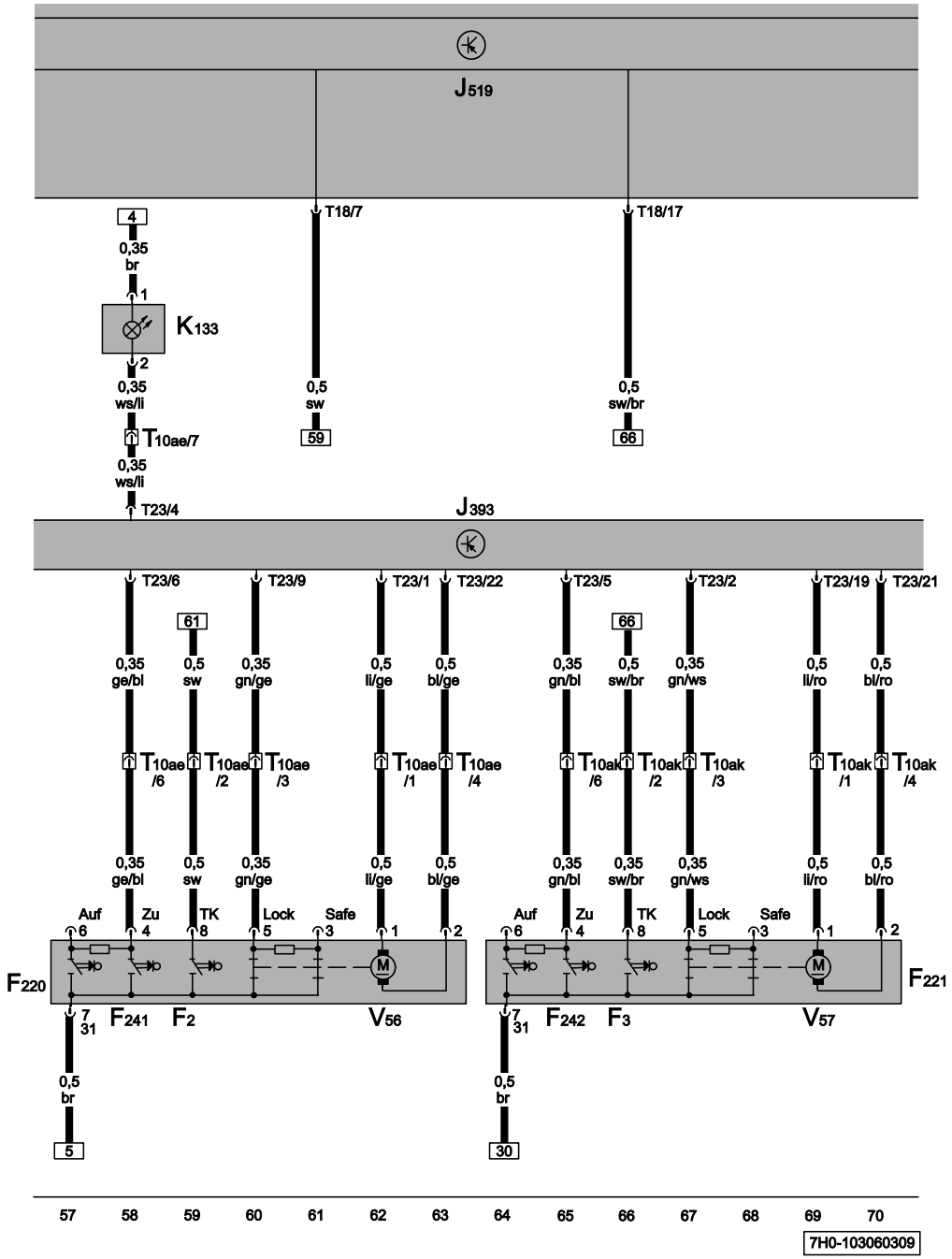
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Convenience system central control unit, alarm horn, bonnet contact switch

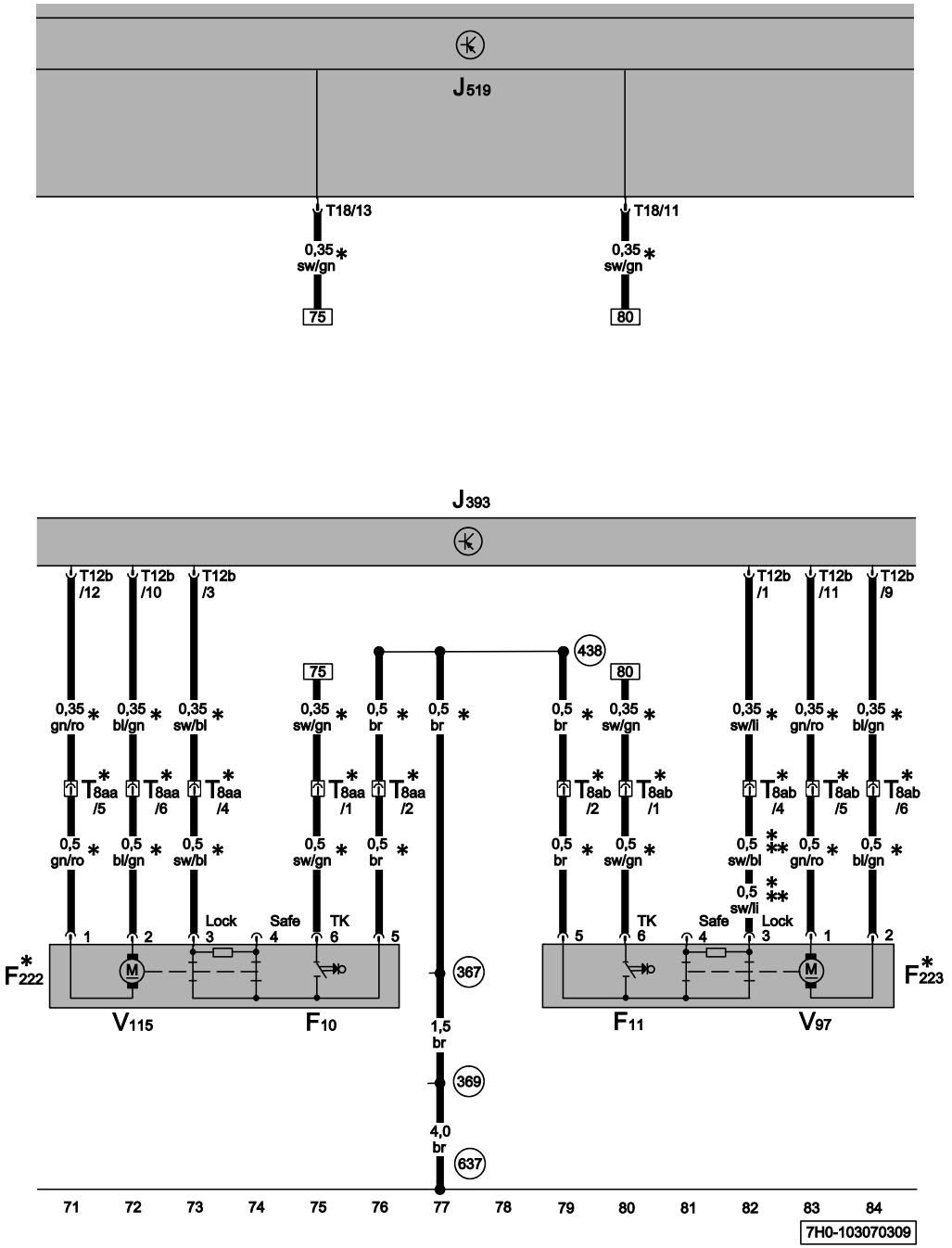
F266	Bonnet contact switch
H12	Alarm horn
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
366	Earth connection 1, in main wiring harness
372	Earth connection 7, in main wiring harness
637	Earth point, airbag control unit
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with anti-theft alarm system only



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor

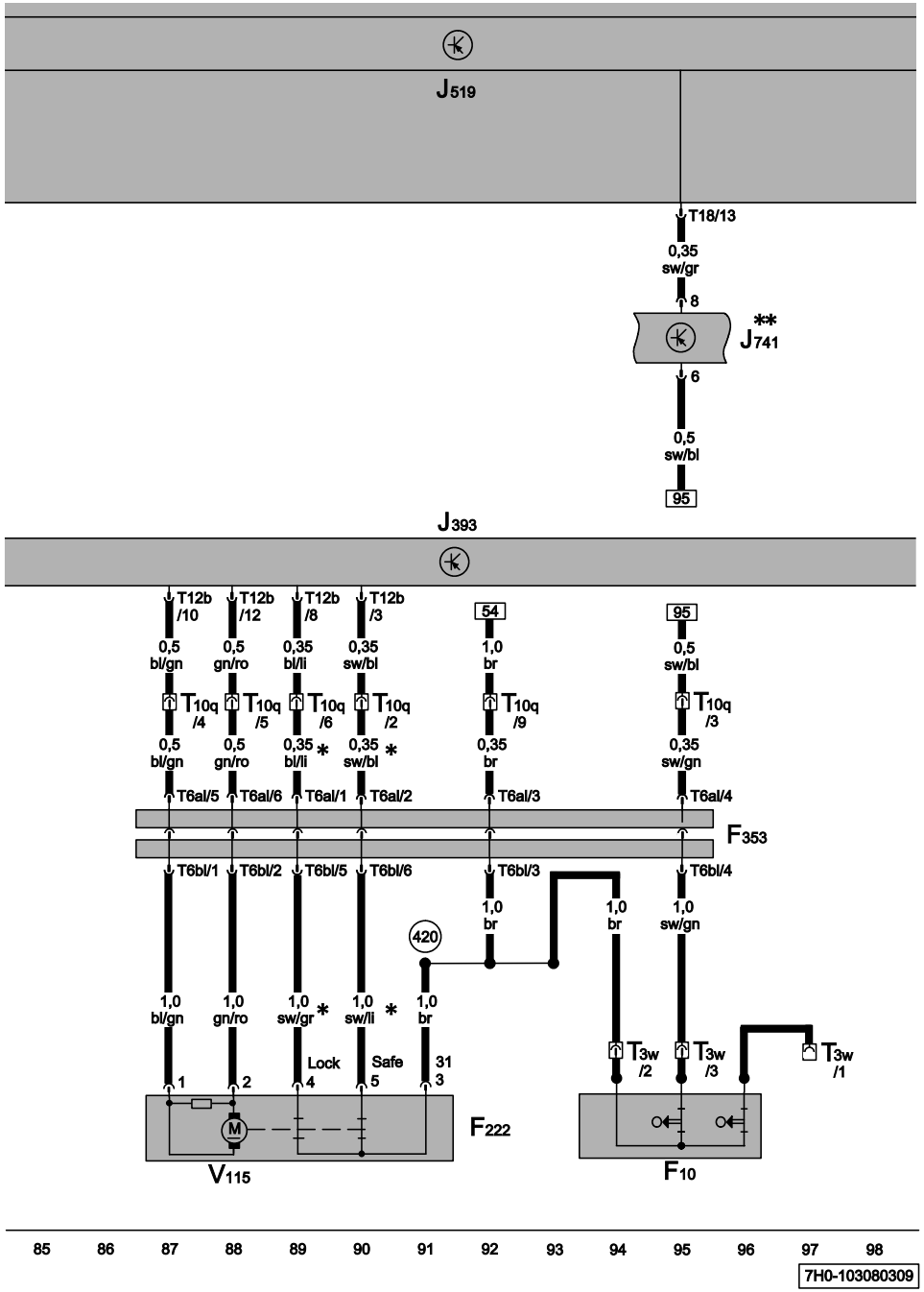
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

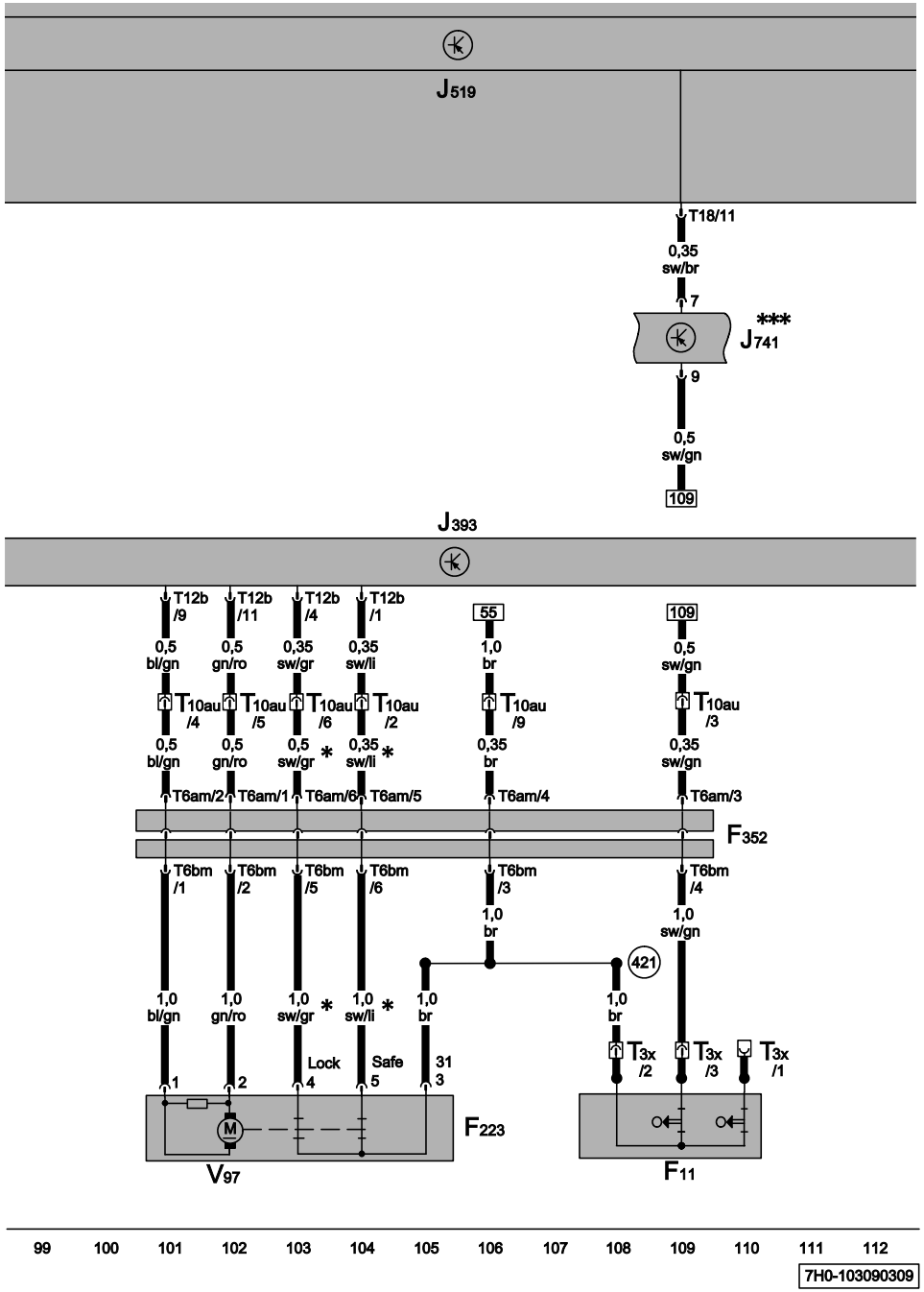
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ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip, dual signal inverter relay

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	only models without electric sliding doors
**	for models without electric sliding doors/power latching system only ⇒ Fitting Locations

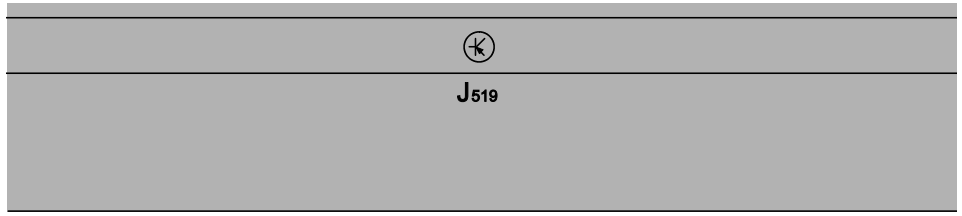
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ge	=	yellow
or	=	orange
rs	=	pink

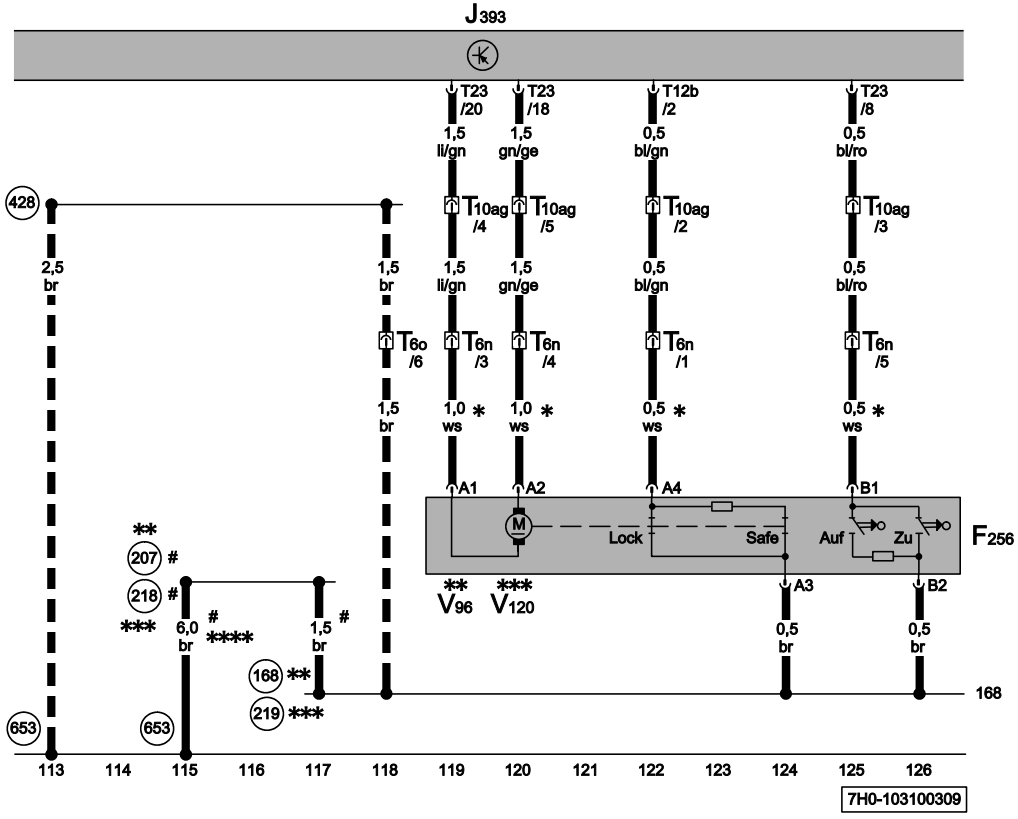


Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip, dual signal inverter relay

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black **, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	only models without electric sliding doors
**	grey, from January 2005
***	for models without electric sliding doors/power latching system only ⇒ Fitting Locations

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or	=	orange
rs	=	pink



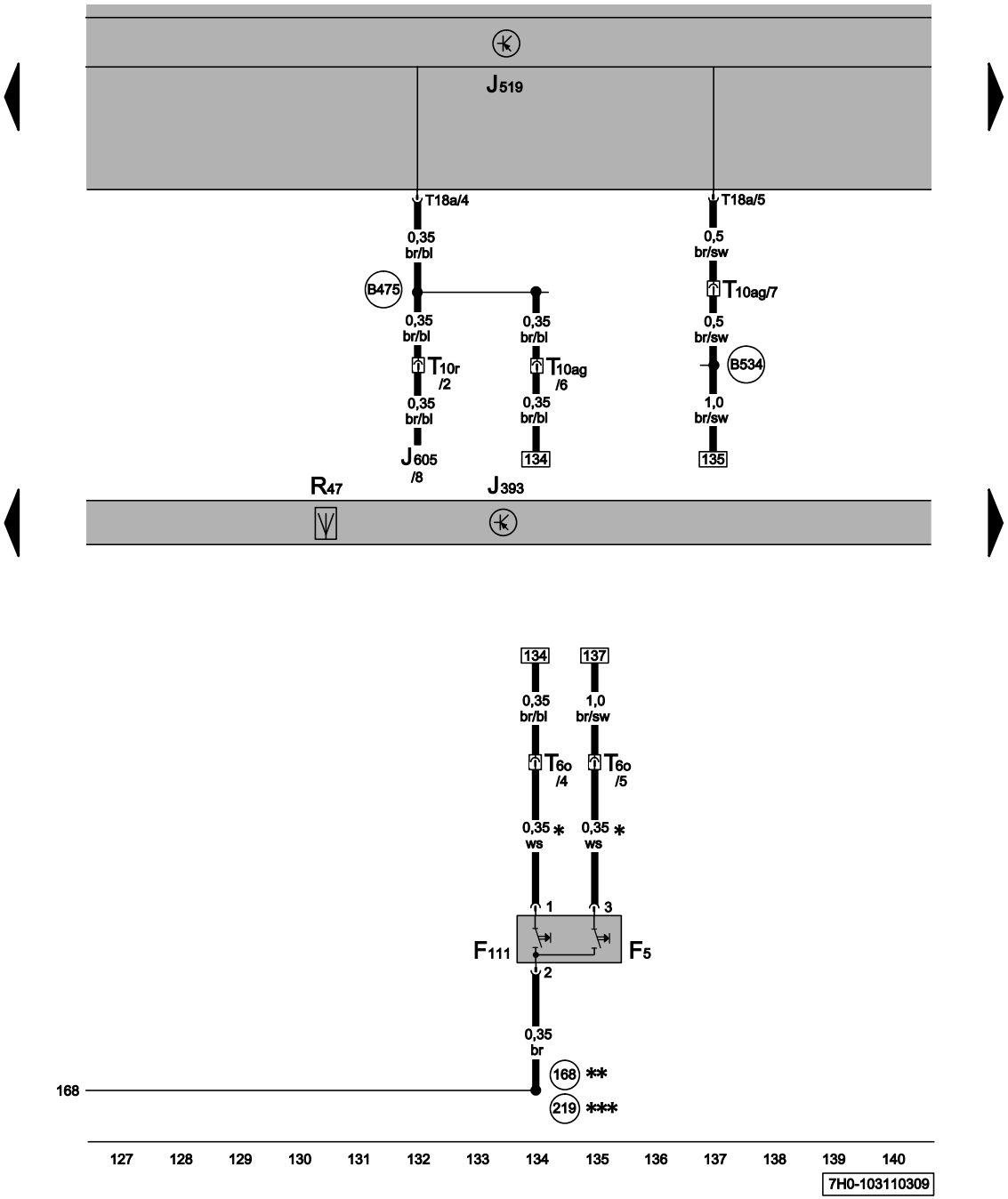


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
****	Cross-section 4.0 possible
#	applicable up to December 2004
<fo:exter	applicable from January 2005

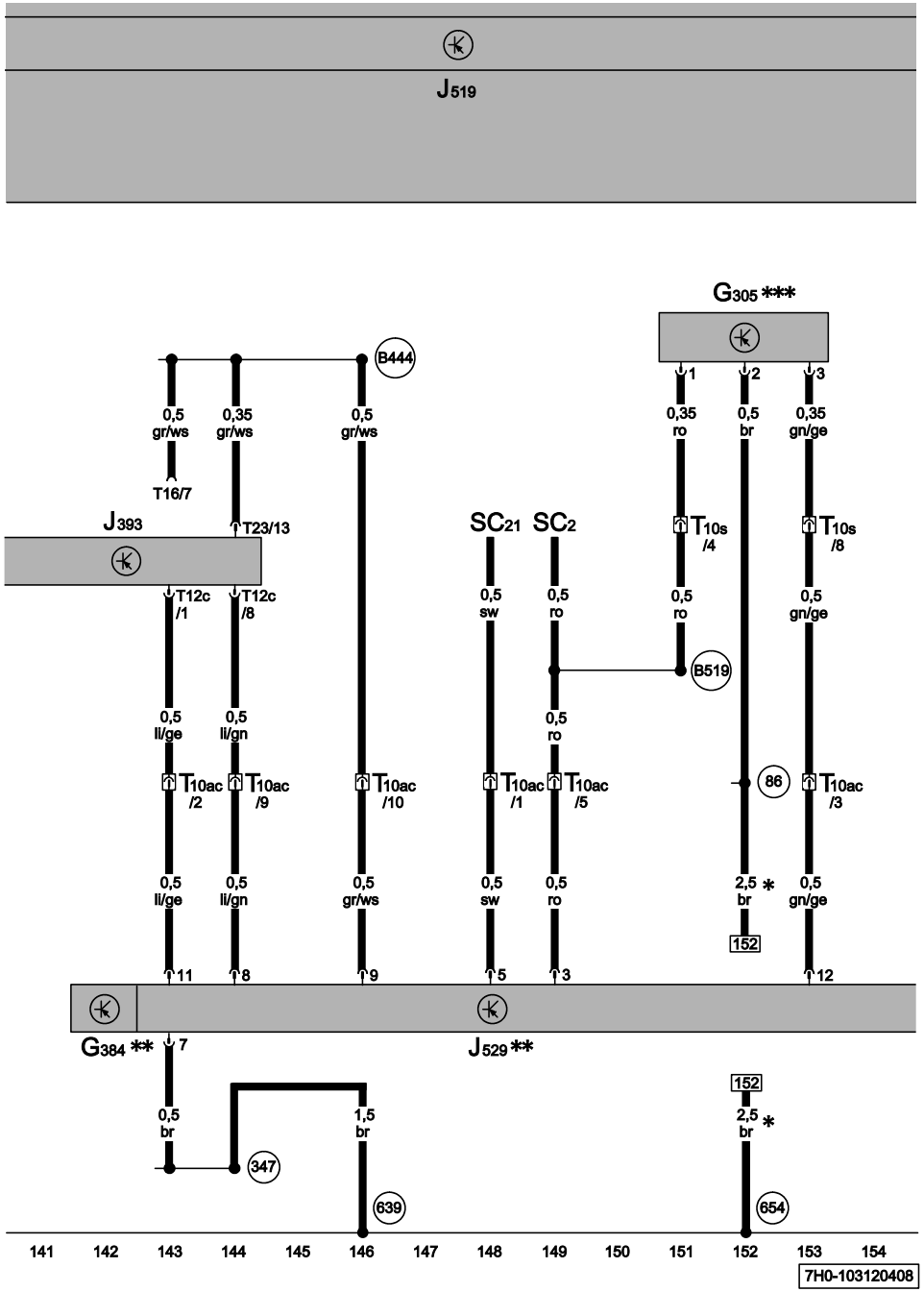
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch, central locking and anti-theft alarm system aerial

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
R47	Central locking and anti-theft alarm system aerial
T6o	6-pin connector, red, coupling station on left of D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only

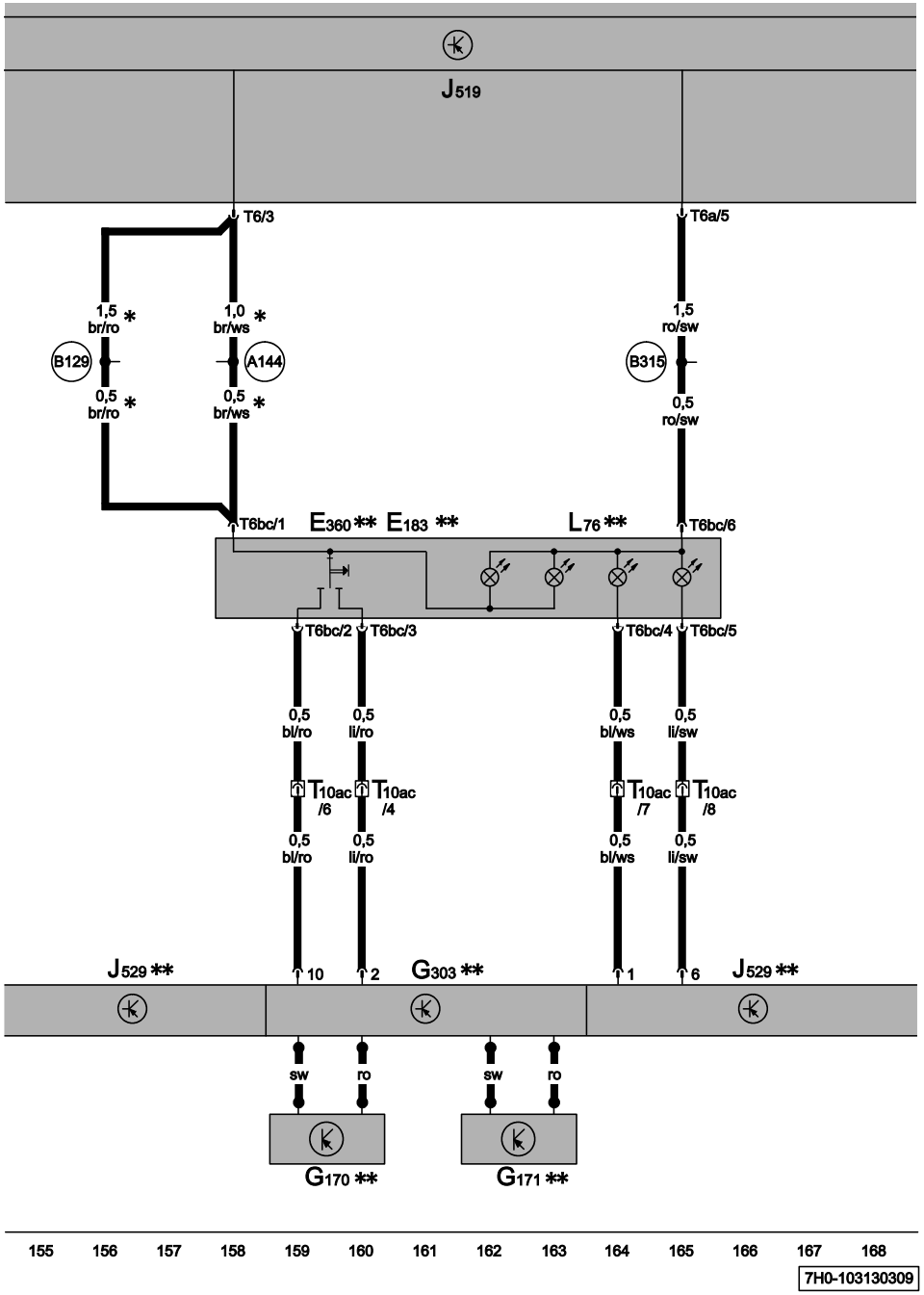
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, vehicle inclination sender, interior monitor send and receive module 2

G305	Interior monitor send and receive module 2
G384	Vehicle inclination sender
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T10s	10-pin connector, brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
86	Earth connection 1, in rear wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
654	Earth point, right D-pillar
B444	Connection 1 (diagnosis), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	Cross-section 4.0 possible
**	for models with anti-theft alarm system only 7AL/7AQ
***	for models with anti-theft alarm system only 7AL

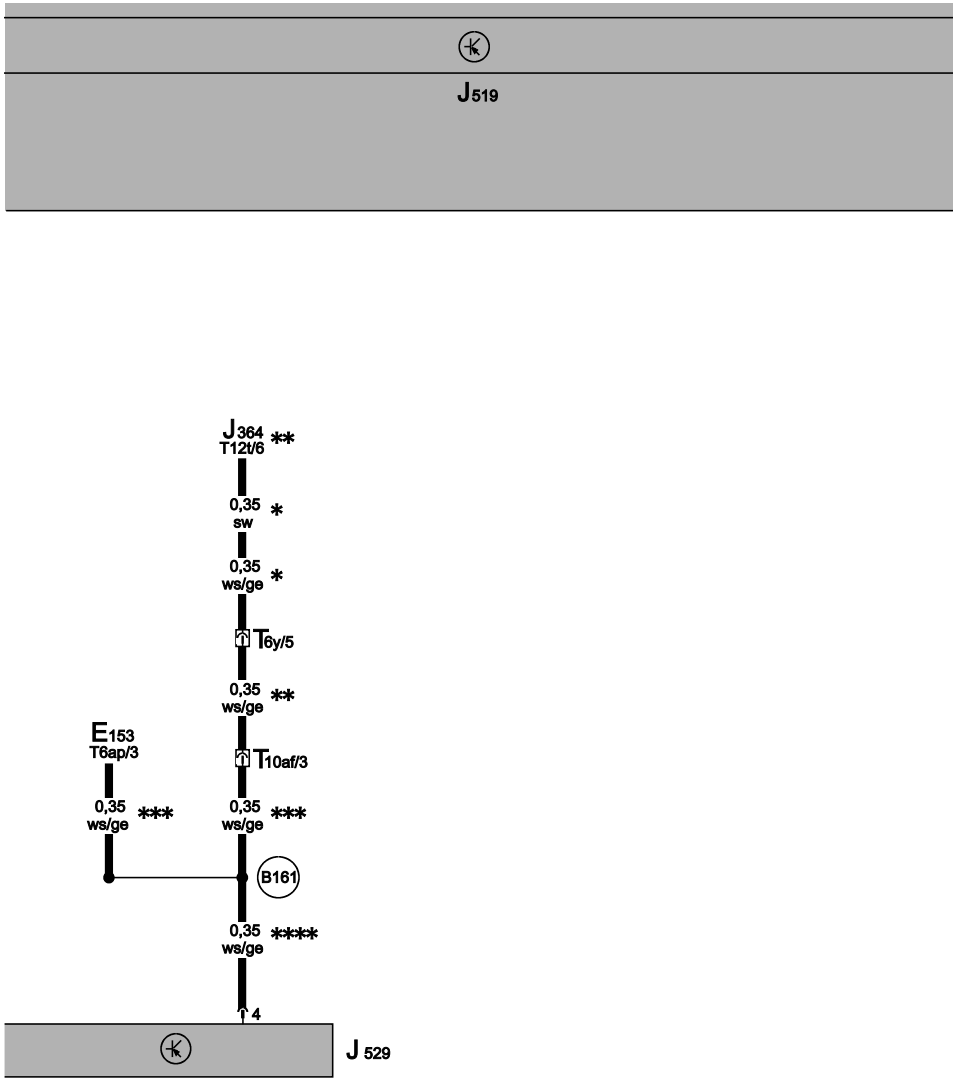
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or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

ws	=	white
sw	=	black
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Anti-theft and tilt system control unit, operating and display unit for camping equipment

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
B161	Connection (ATA), in interior wiring harness
*	depends on equipment
**	for models with auxiliary air heater only
***	for camper only
****	applicable from January 2005, for models with anti-theft alarm system only

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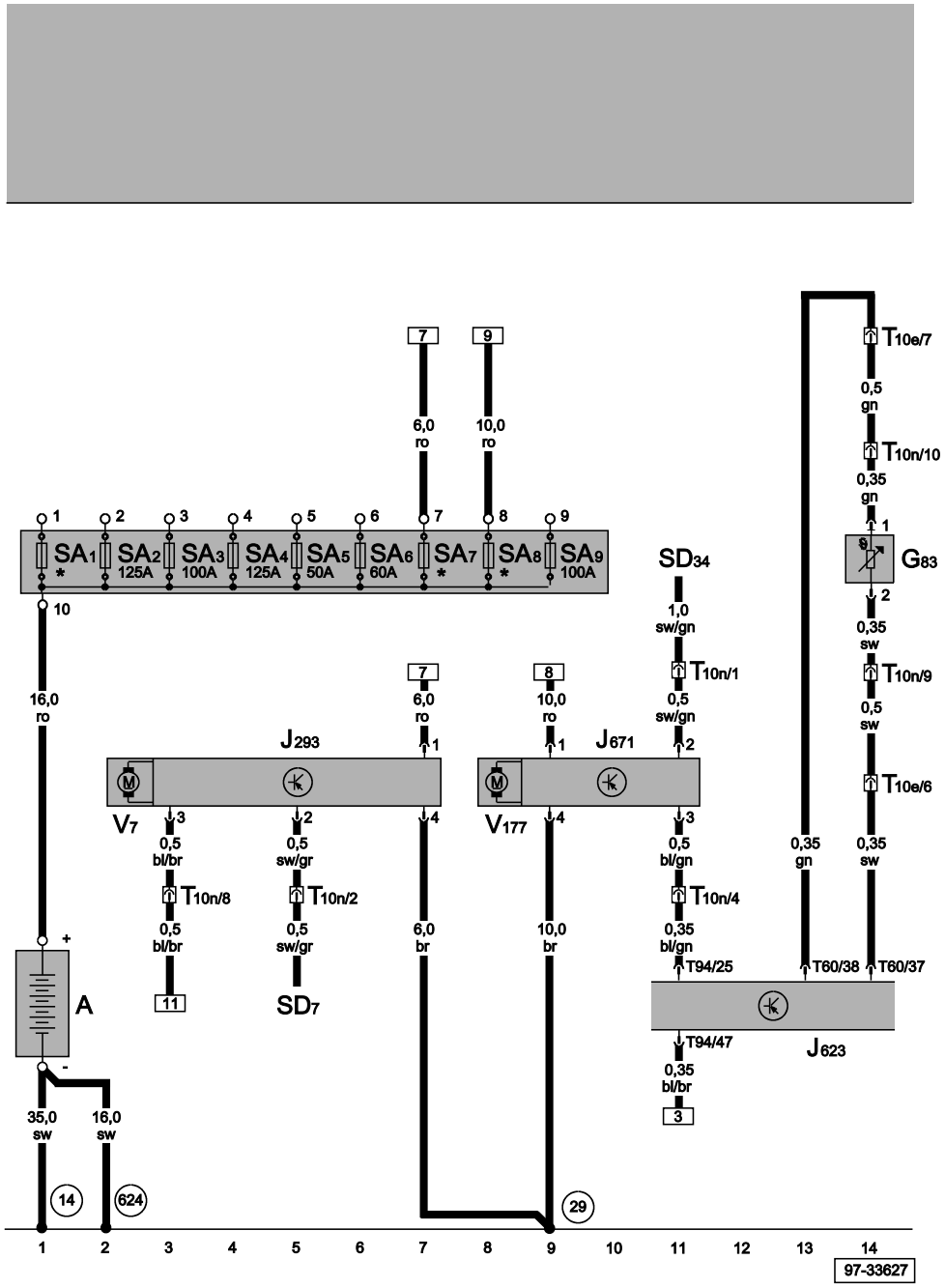
Radiator fan (600W + 400W), for Climatronic and air conditioning system

⇒ **Radiator fan control unit 2**
⇒ **Models with engine code AXE**
From March 2003

Notes:
Information concerning
- Relay locations and fuse assignment
- Multi-pin connections
- Control units and relays
- Earth points

⇒ Fitting locations overview!

Battery, fuse holder, radiator fan, radiator outlet coolant temperature sender, radiator fan control unit



A	Battery
G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
SA1	Fuse 1 on fuse holder on battery
SA2	Fuse 2 on fuse holder on battery
SA3	Fuse 3 on fuse holder on battery
SA4	Fuse 4 on fuse holder on battery
SA5	Fuse 5 on fuse holder on battery
SA6	Fuse 6 on fuse holder on battery
SA7	Fuse 7 on fuse holder on battery
SA8	Fuse 8 on fuse holder on battery
SA9	Fuse 9 on fuse holder on battery
SD7	Fuse 7 on fuse holder
SD34	Fuse 34 on fuse holder
T10e	10-pin connector, white, E-box coupling station in engine compartment
T10n	10-pin connector, black, E-box coupling station in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
V177	Radiator fan 2
14	Earth point, on gearbox
29	Earth point, near radiator fan
624	Earth point, next to starter battery
*	⇒ Fittings locations

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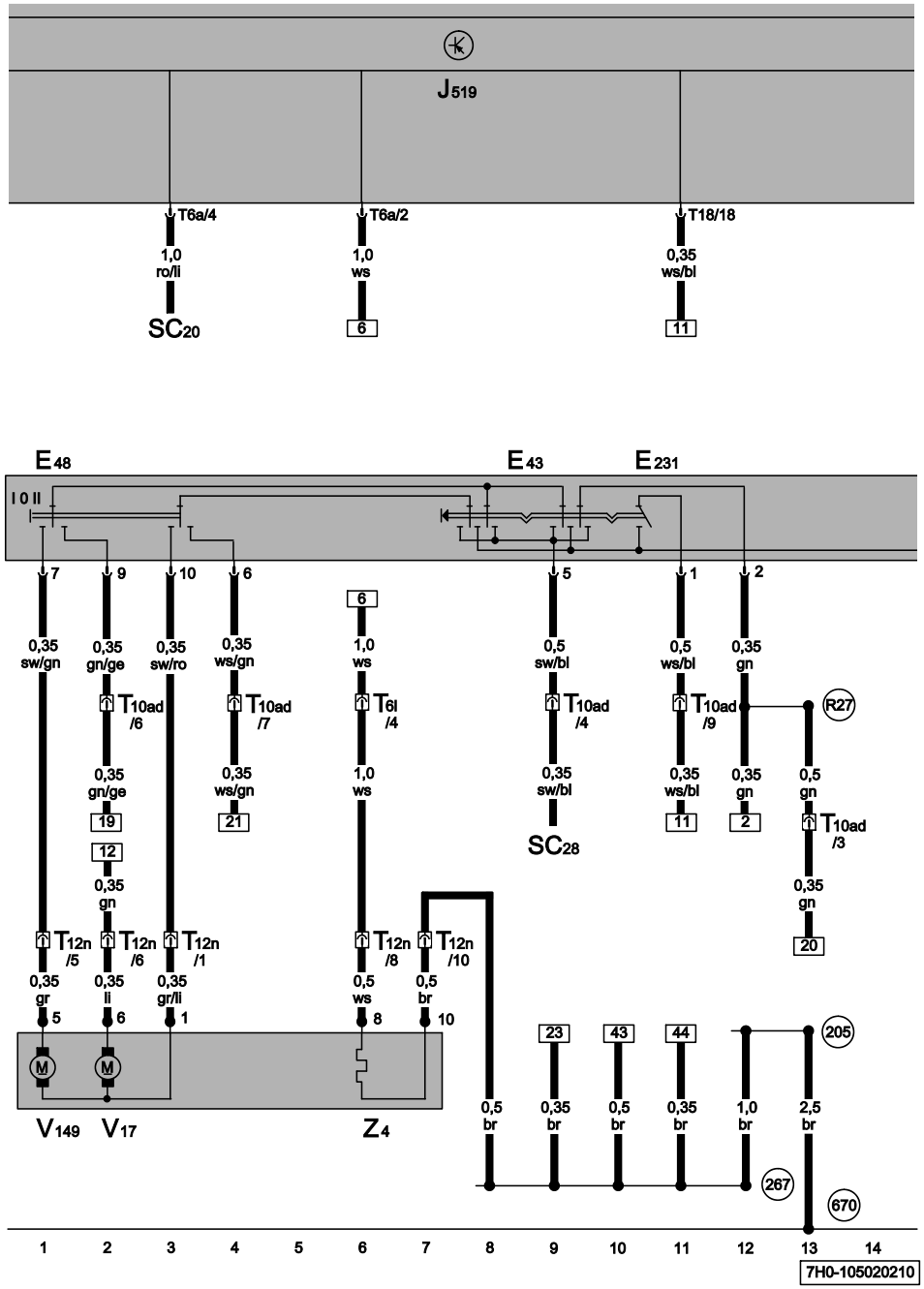
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from May 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

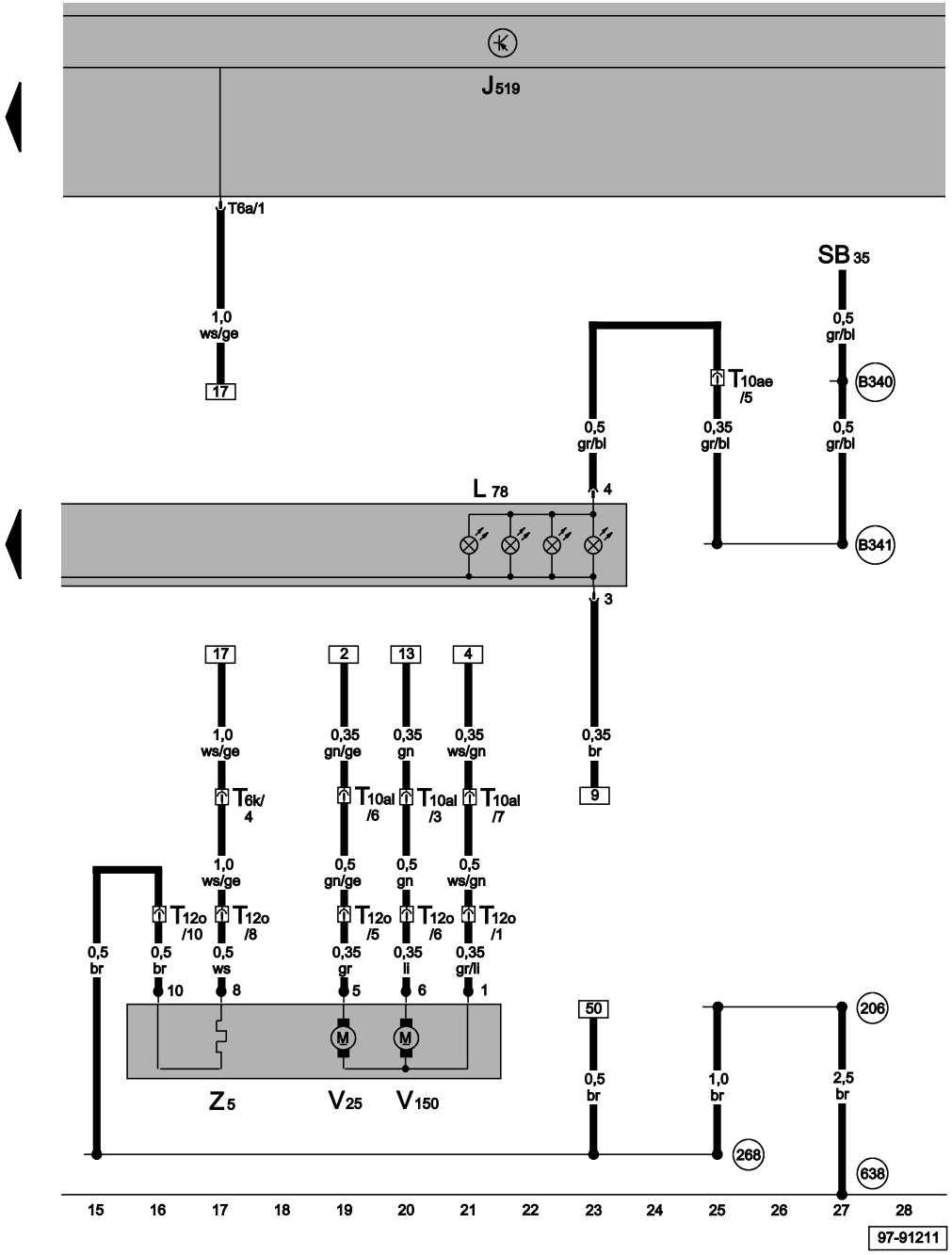
⇒ guided fault finding



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Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

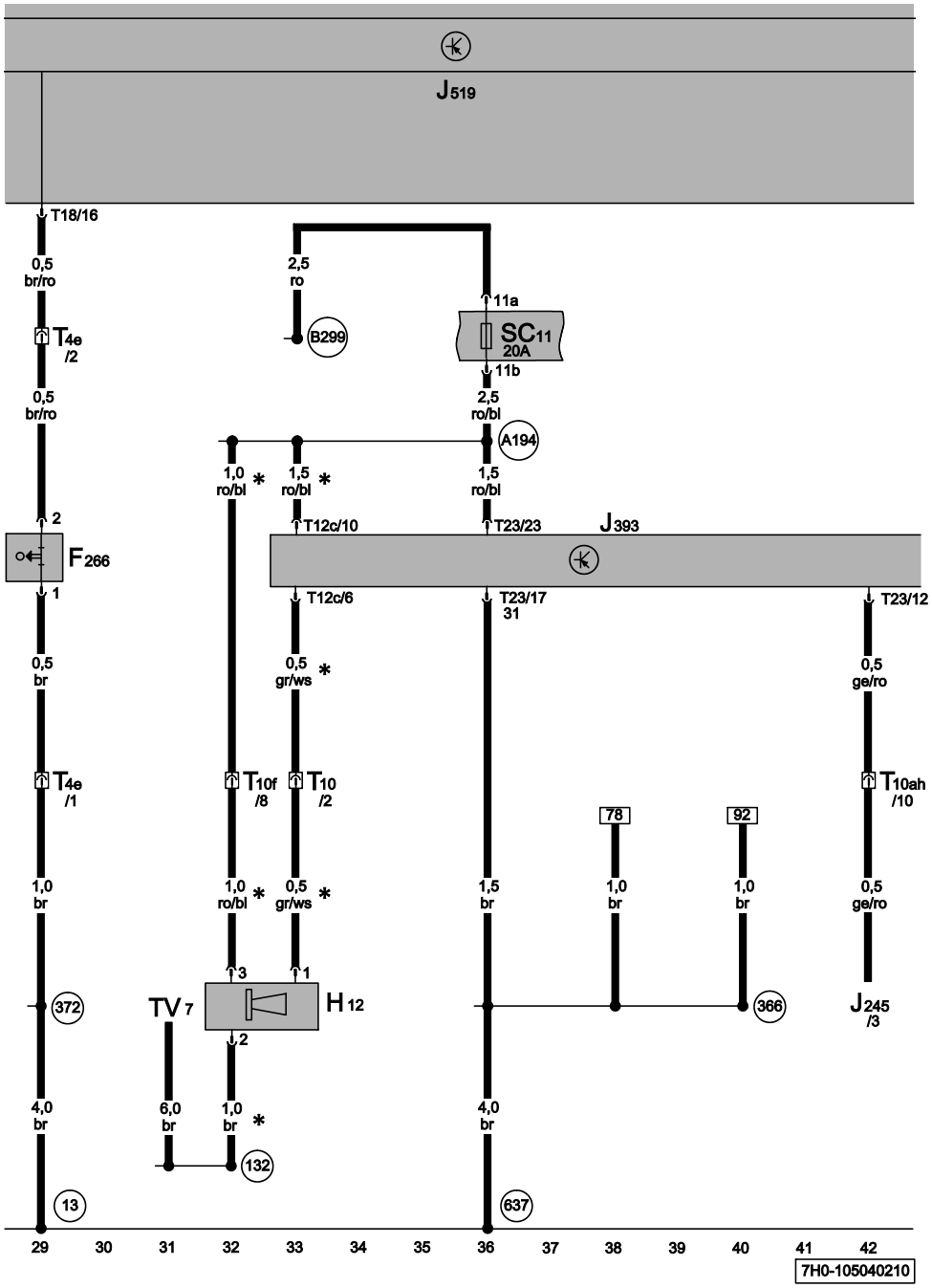
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger mirror adjustment motor, front passenger side heated exterior mirror

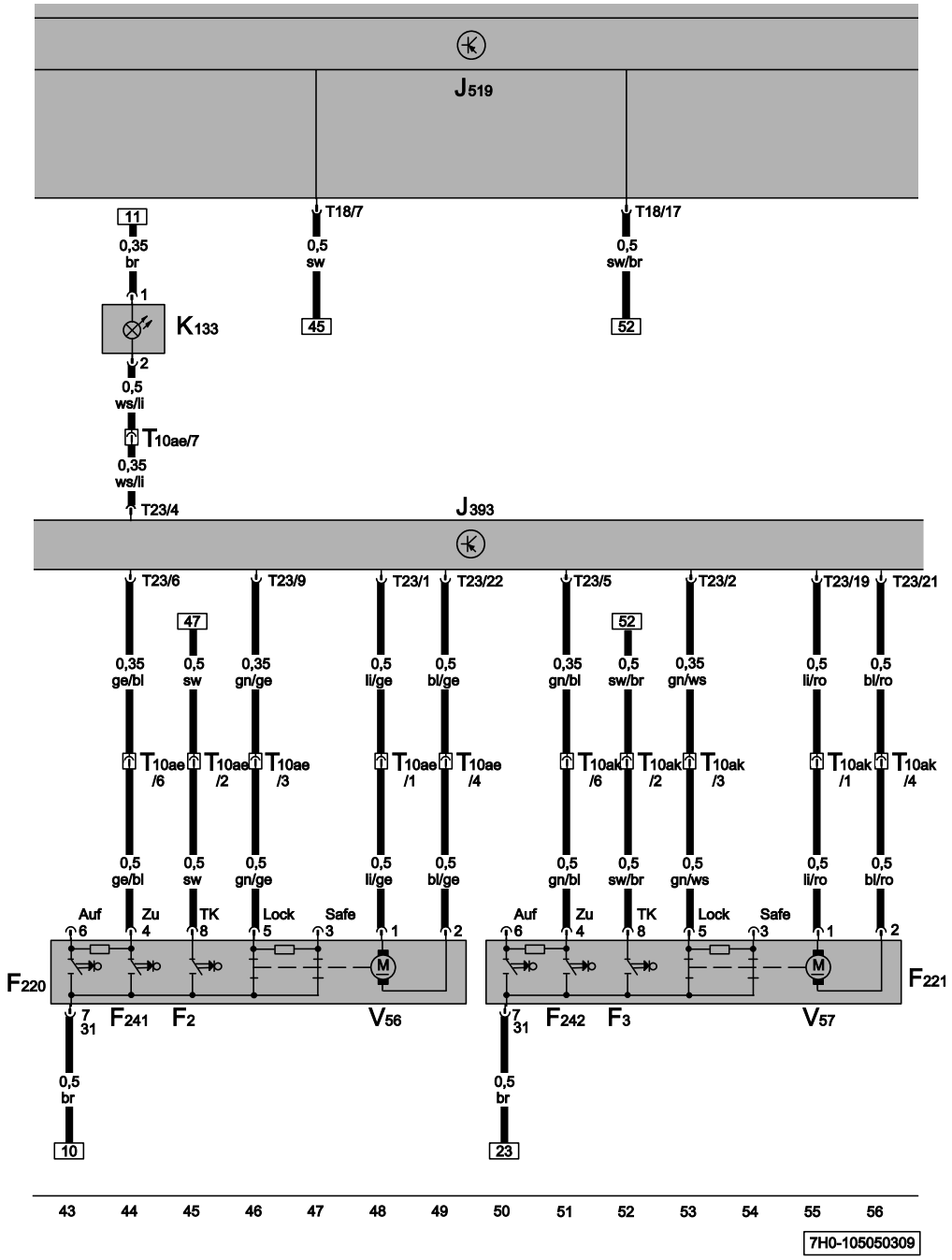
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, alarm horn, bonnet contact switch

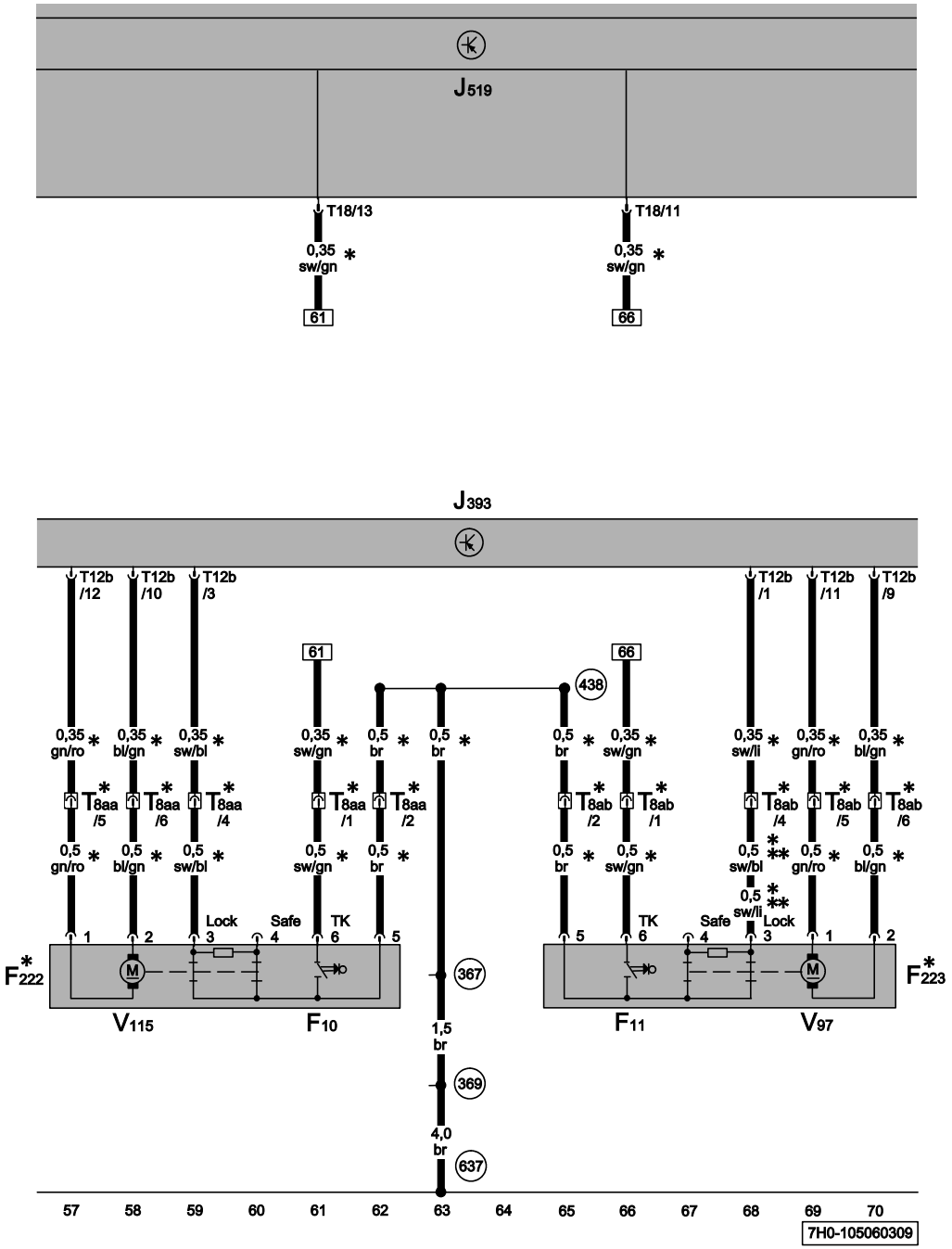
F266	Bonnet contact switch
H12	Alarm horn
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
366	Earth connection 1, in main wiring harness
372	Earth connection 7, in main wiring harness
637	Earth point, airbag control unit
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with anti-theft alarm system only



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor

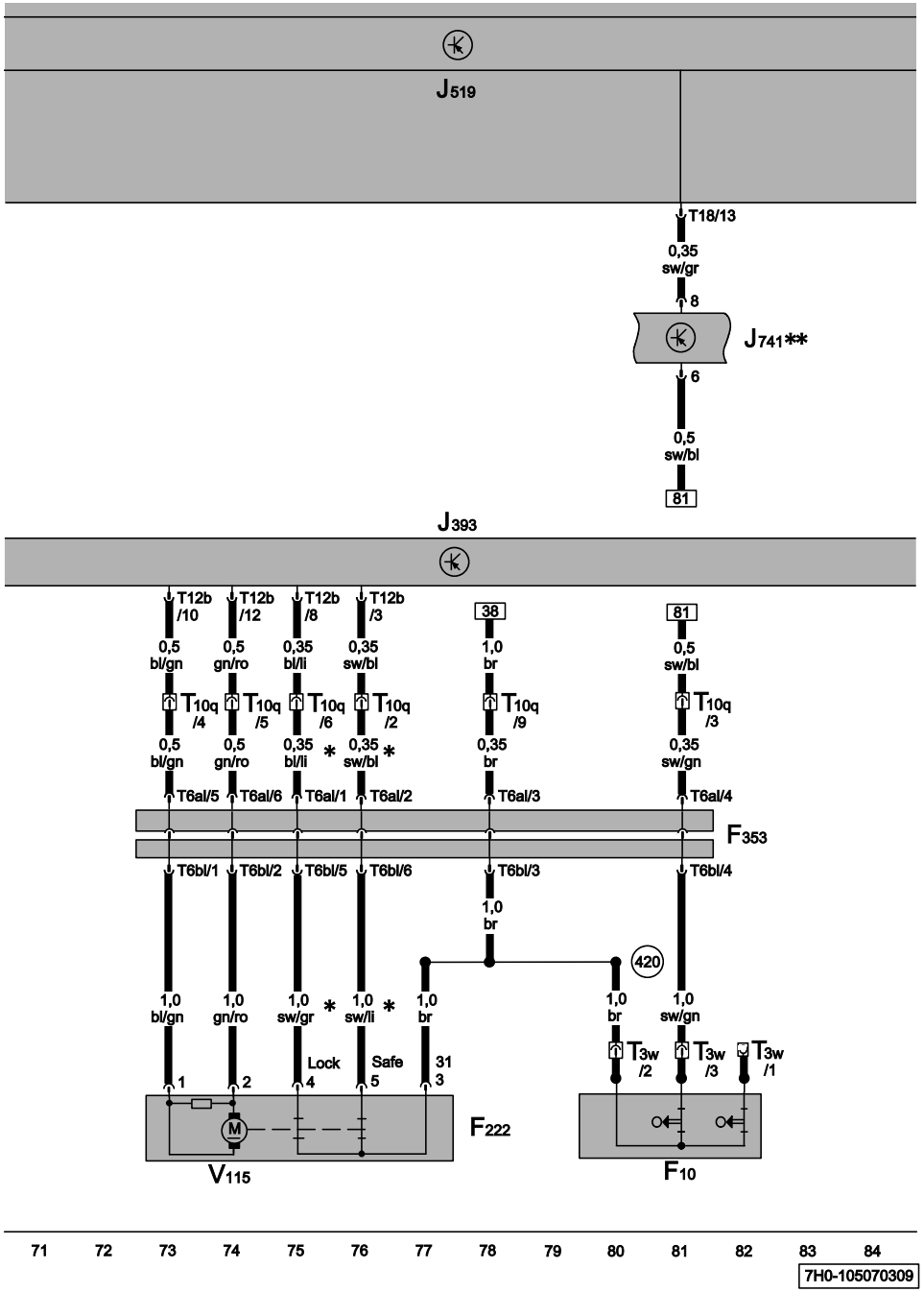
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

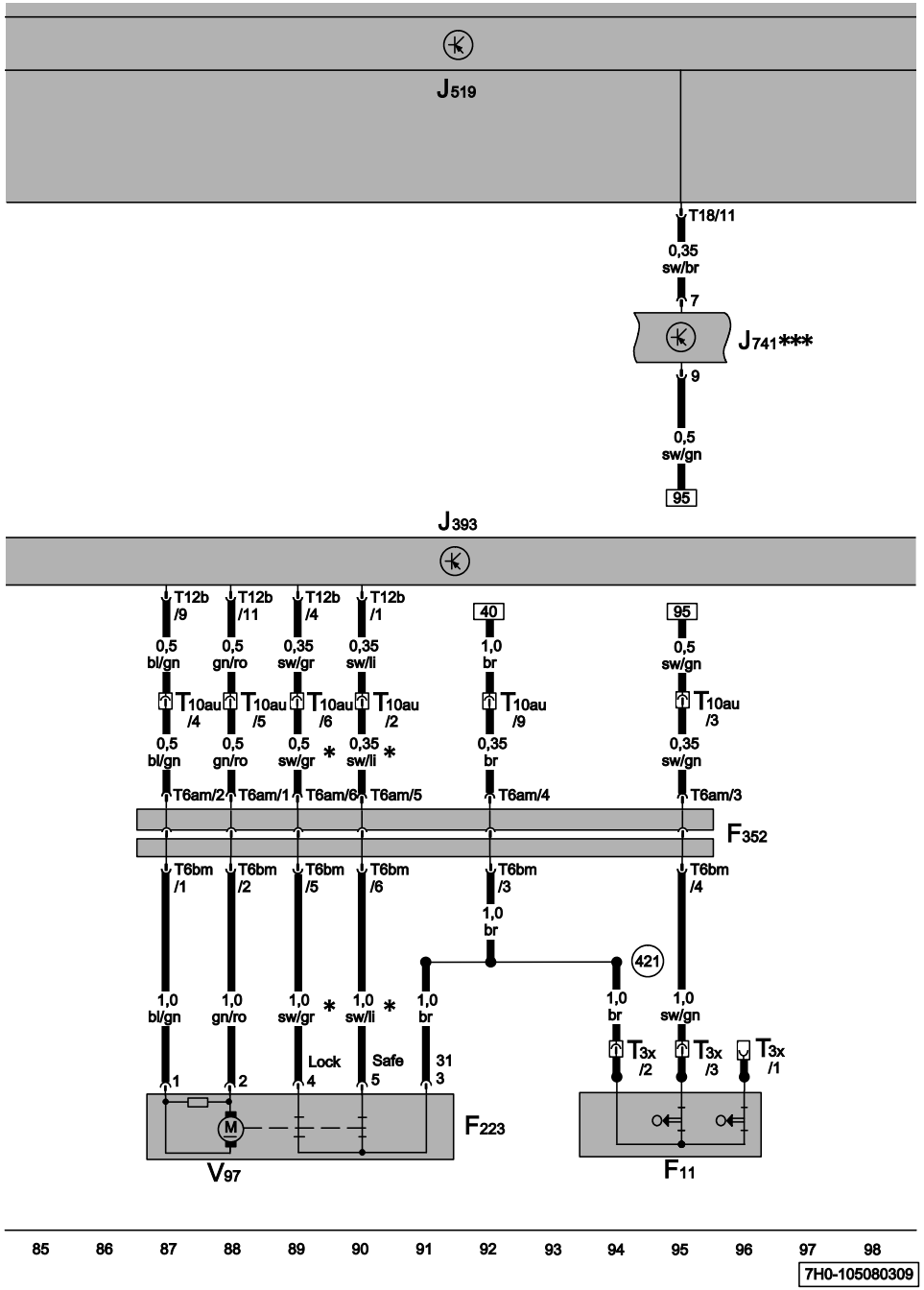
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip, dual signal inverter relay

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	only models without electric sliding doors
**	for models without electric sliding doors/power latching system only ⇒ Fitting Locations

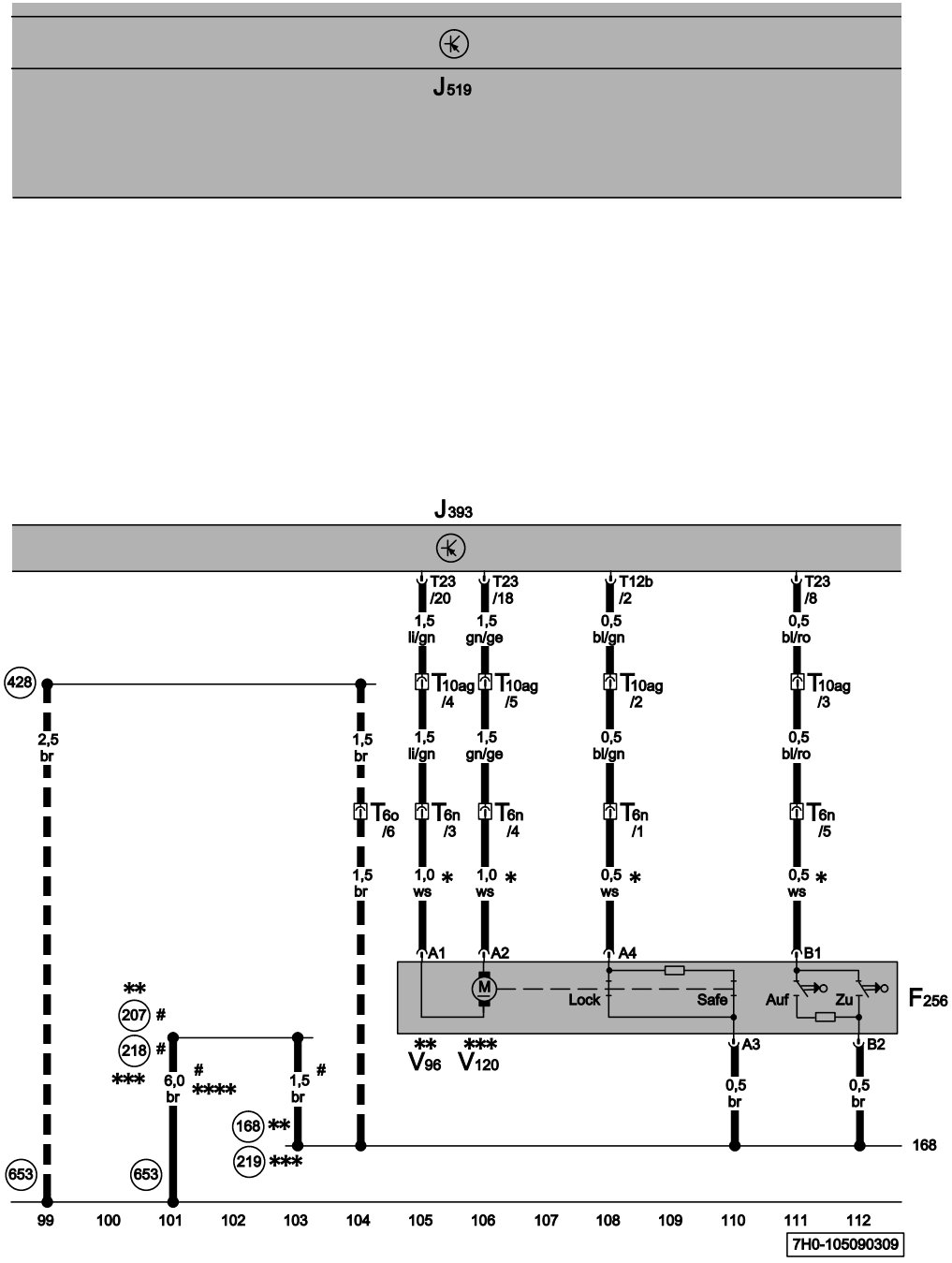
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip, dual signal inverter relay

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black **, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	only models without electric sliding doors
**	grey, from January 2005
***	for models without electric sliding doors/power latching system only ⇒ Fitting Locations

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rs	=	pink

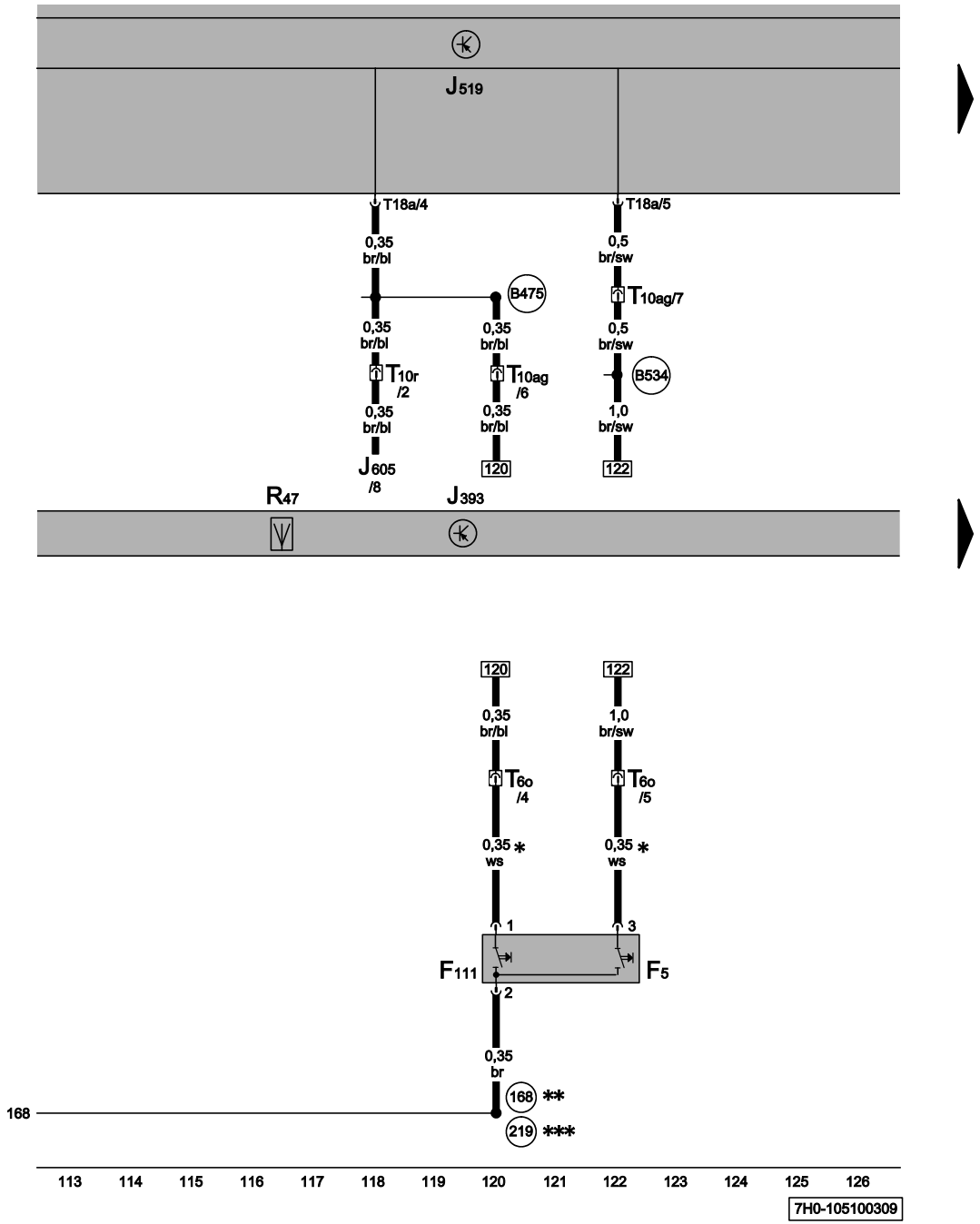


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
****	cross-section depends on equipment
#	applicable up to December 2004
<fo:exter	applicable from January 2005

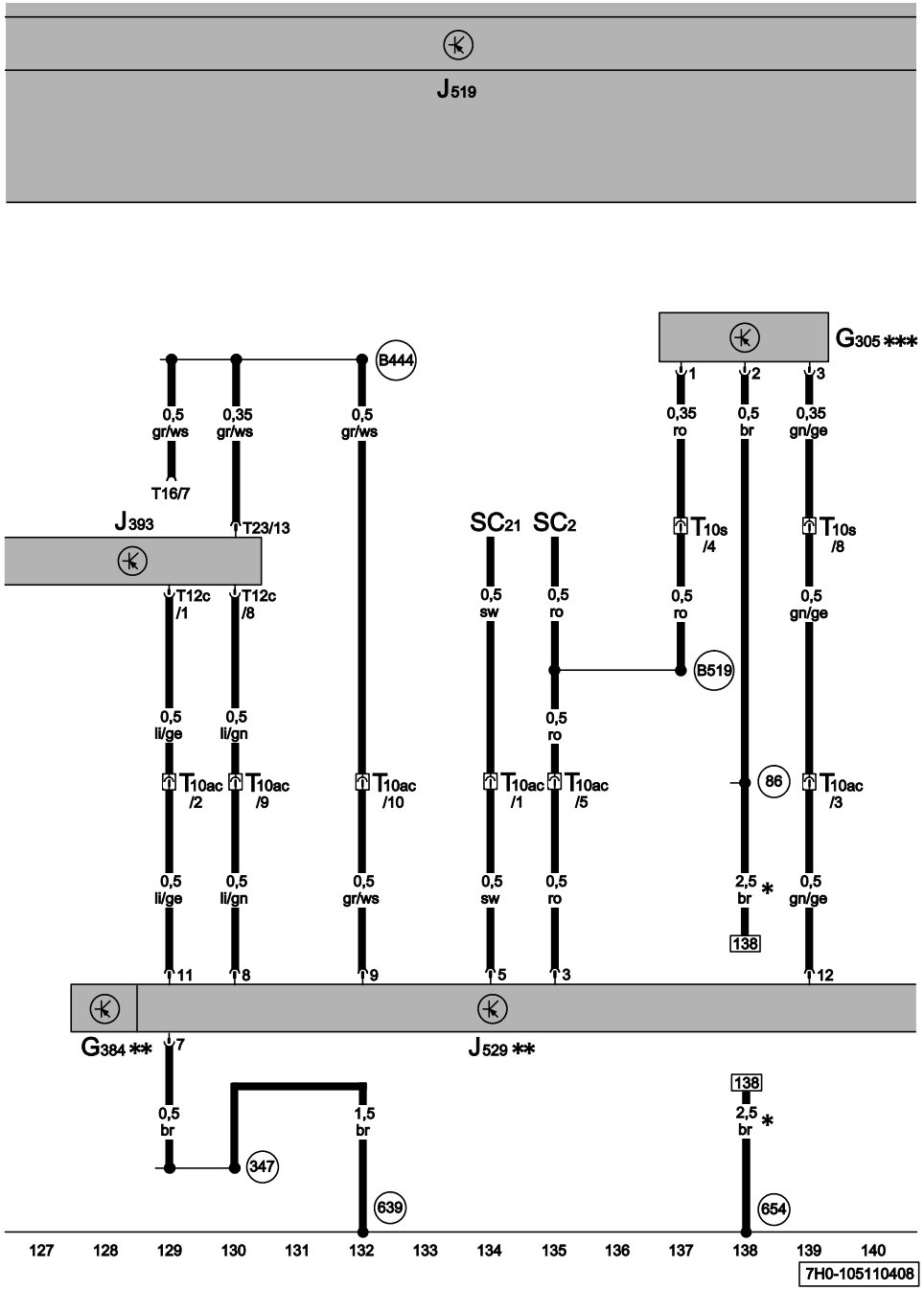
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch, central locking and anti-theft alarm system aerial

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
R47	Central locking and anti-theft alarm system aerial
T6o	6-pin connector, red, coupling station on left of D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only

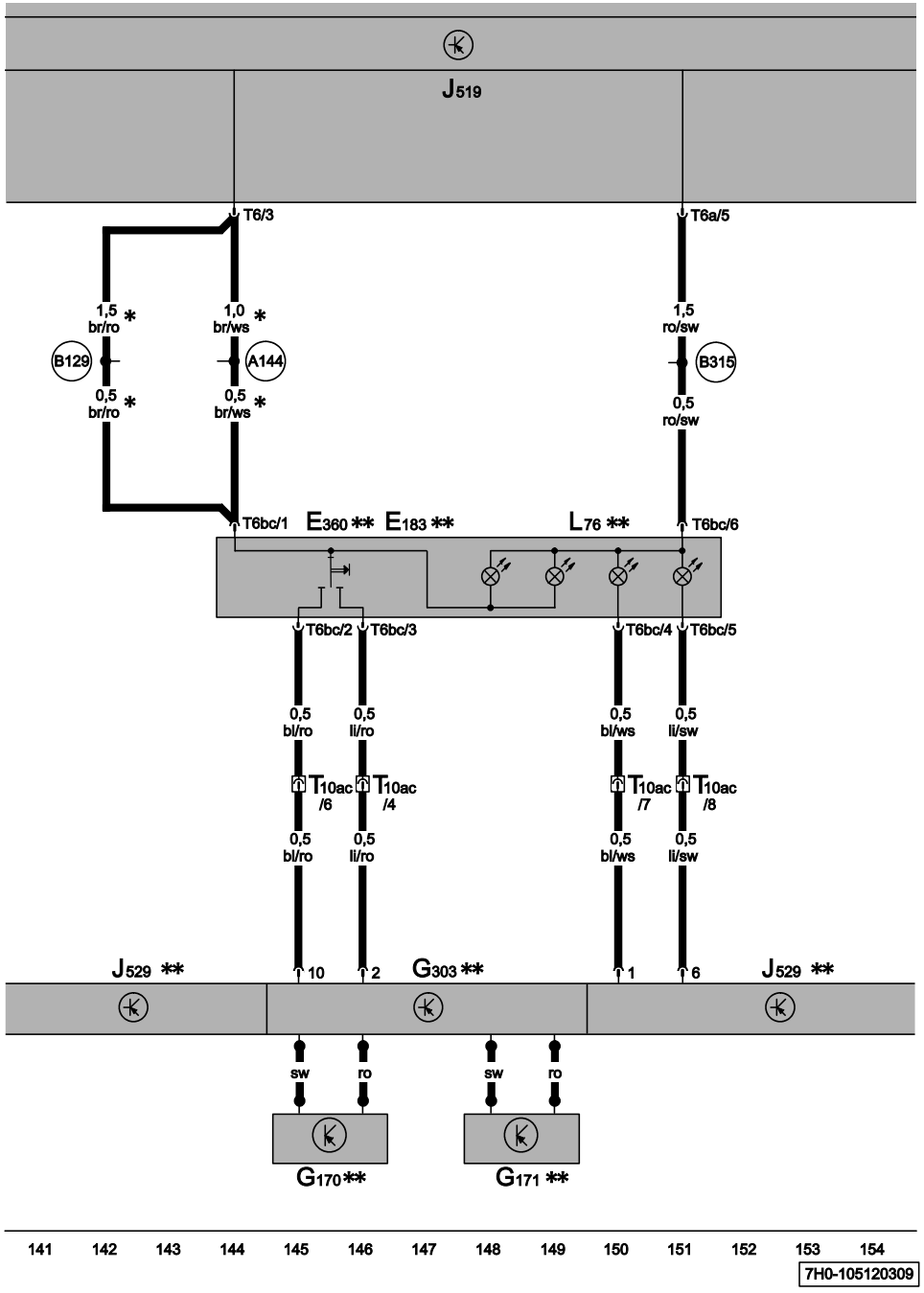
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, vehicle inclination sender, interior monitor send and receive module 2

G305	Interior monitor send and receive module 2
G384	Vehicle inclination sender
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T10s	10-pin connector, brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
86	Earth connection 1, in rear wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
654	Earth point, right D-pillar
B444	Connection 1 (diagnosis), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	Cross-section 4.0 possible
**	for models with anti-theft alarm system only 7AL/7AQ
***	for models with anti-theft alarm system only 7AL

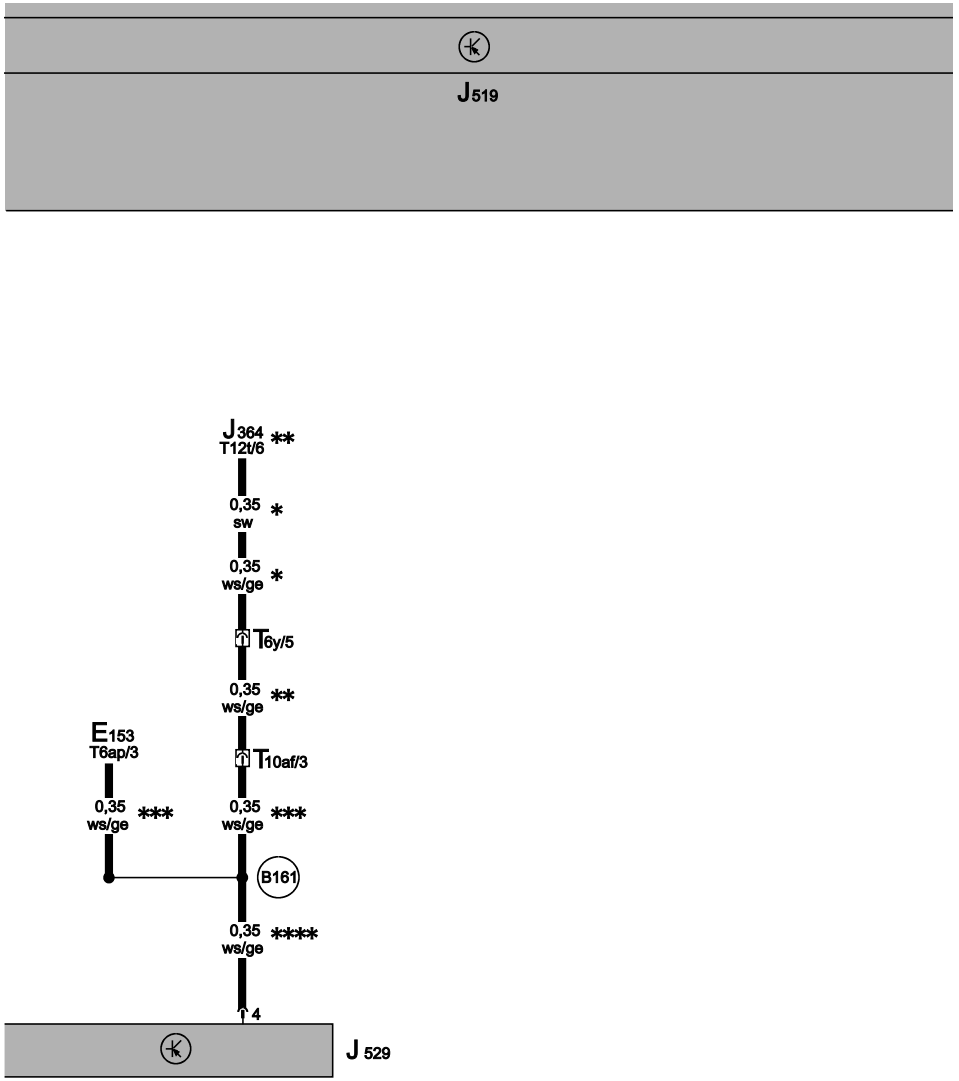
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ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, operating and display unit for camping equipment

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
B161	Connection (ATA), in interior wiring harness
*	depends on equipment
**	for models with auxiliary air heater only
***	for camper only
****	applicable from January 2005, for models with anti-theft alarm system only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

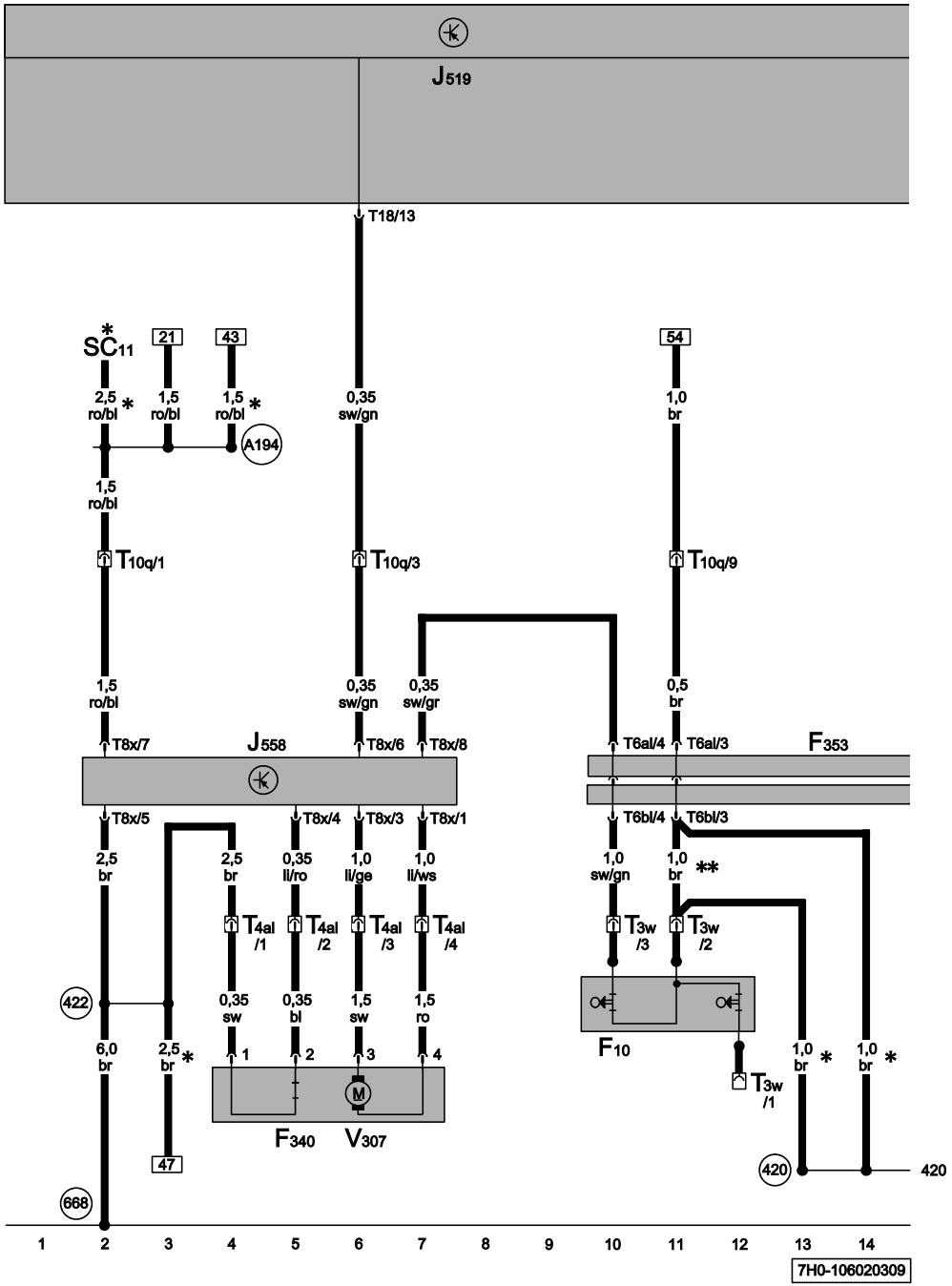
Power latching system

⇒ **Power latching system - right sliding door (GX3/ GZ4/ GZ7)**
⇒ **Power latching system - left sliding door (GZ3/ GZ4)**
⇒ **Power latching system - rear lid (4E7/ 4E9)**
from May 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

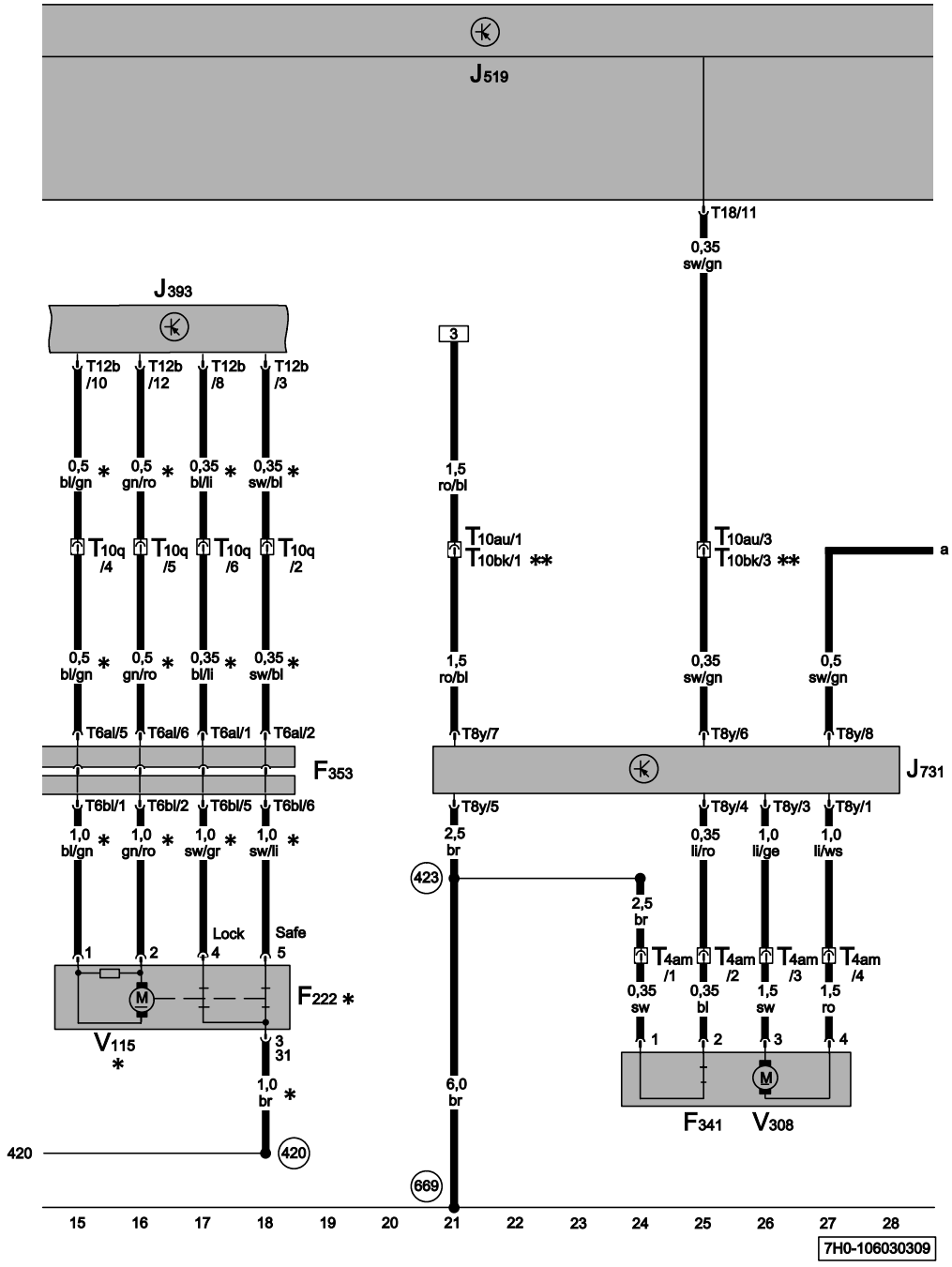
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch and rear left door power latching system contact switch, left sliding door contact strip, left sliding door control unit, rear left door power latching motor

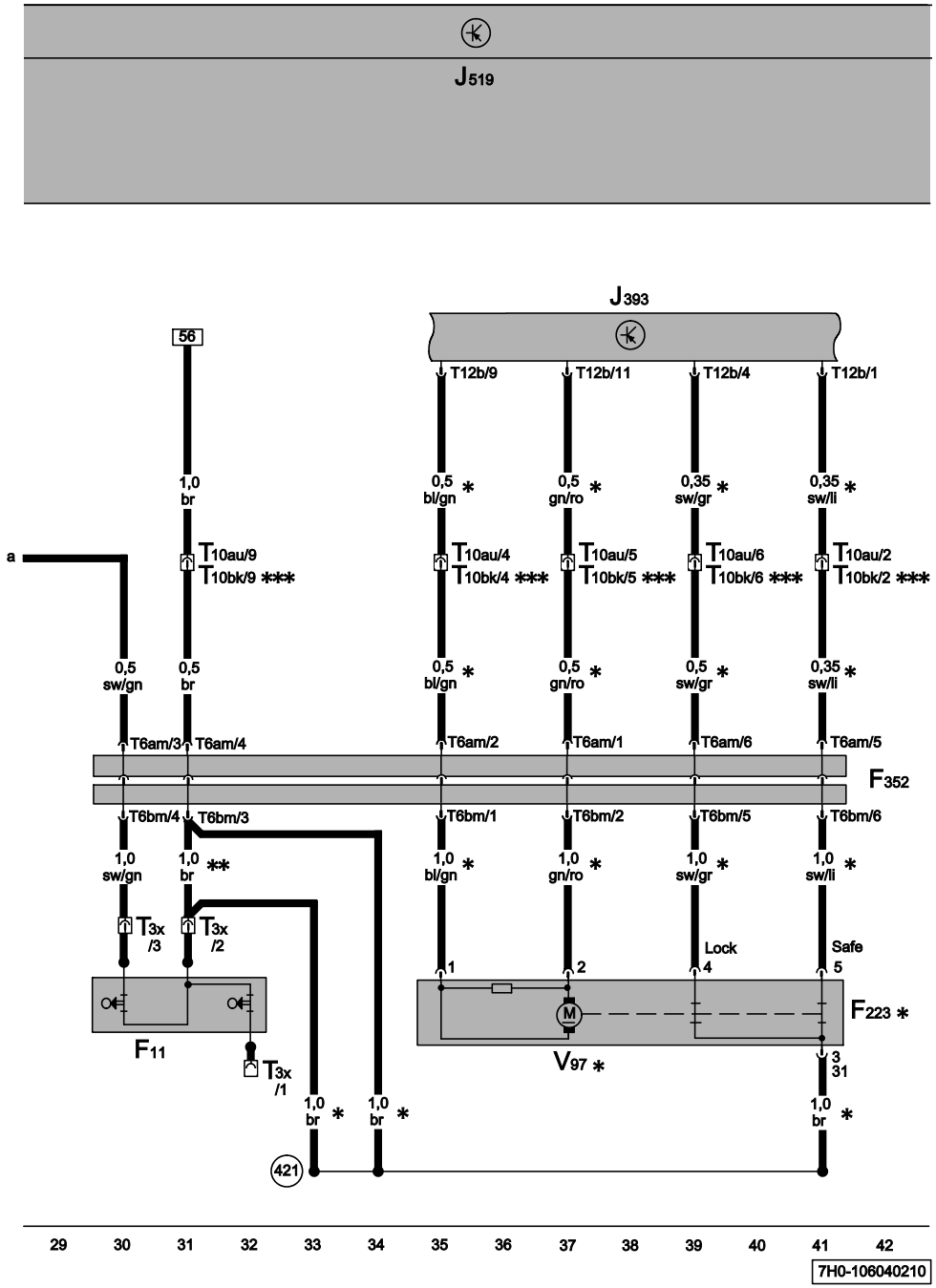
F10	Rear left door contact switch
F340	Rear left door power latching system contact switch
F353	Left sliding door contact strip
J519	Onboard supply control unit
J558	Left sliding door control unit
SC11	Fuse 11 on fuse holder C
T3w	3-pin connector, rear left door contact switch
T4al	4-pin connector, black, on left C-pillar
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8x	8-pin connector, black, coupling station left D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T18	18-pin connector, black
V307	Rear left door power latching motor
420	Earth connection 1, in left sliding door wiring harness
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
A194	Connection (convenience system), in main wiring harness
*	for models with central locking only
**	for models without central locking only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, rear left central locking lock unit, right sliding door control unit, rear right power latching motor

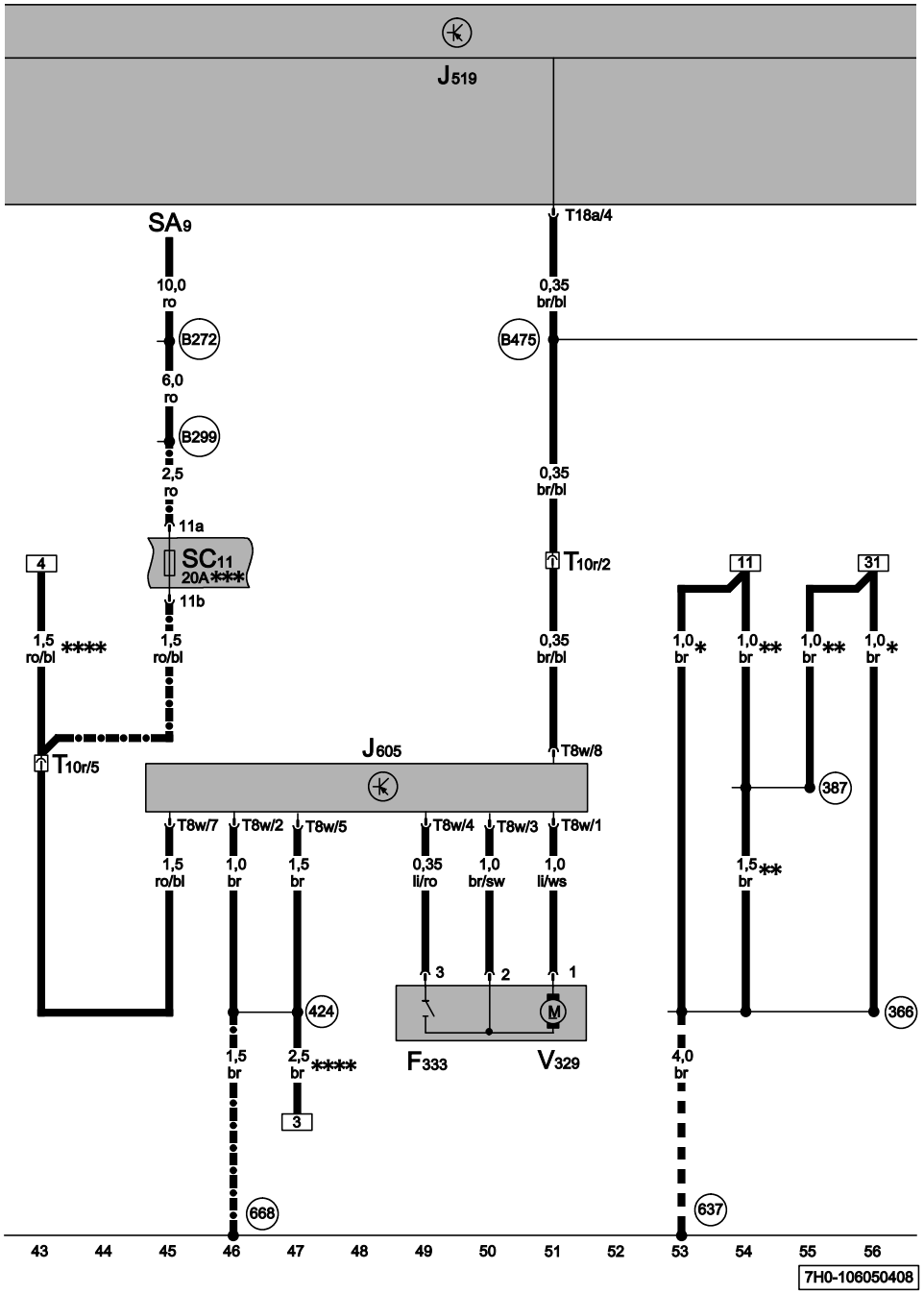
F222	Rear left central locking lock unit
F341	Rear right door power latching system contact switch
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T4am	4-pin connector, black, on right C-pillar
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8y	8-pin connector, black, coupling station on right of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
T18	18-pin connector, black
V115	Rear left door central locking motor
V308	Rear right power latching motor
420	Earth connection 1, in left sliding door wiring harness
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar
*	for models with central locking only
**	applicable from January 2005



Rear right door contact switch, rear right central locking lock unit, right sliding door contact strip, rear right door central locking motor

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with central locking only
**	for models without central locking only
***	applicable from January 2005

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or	=	orange
rs	=	pink



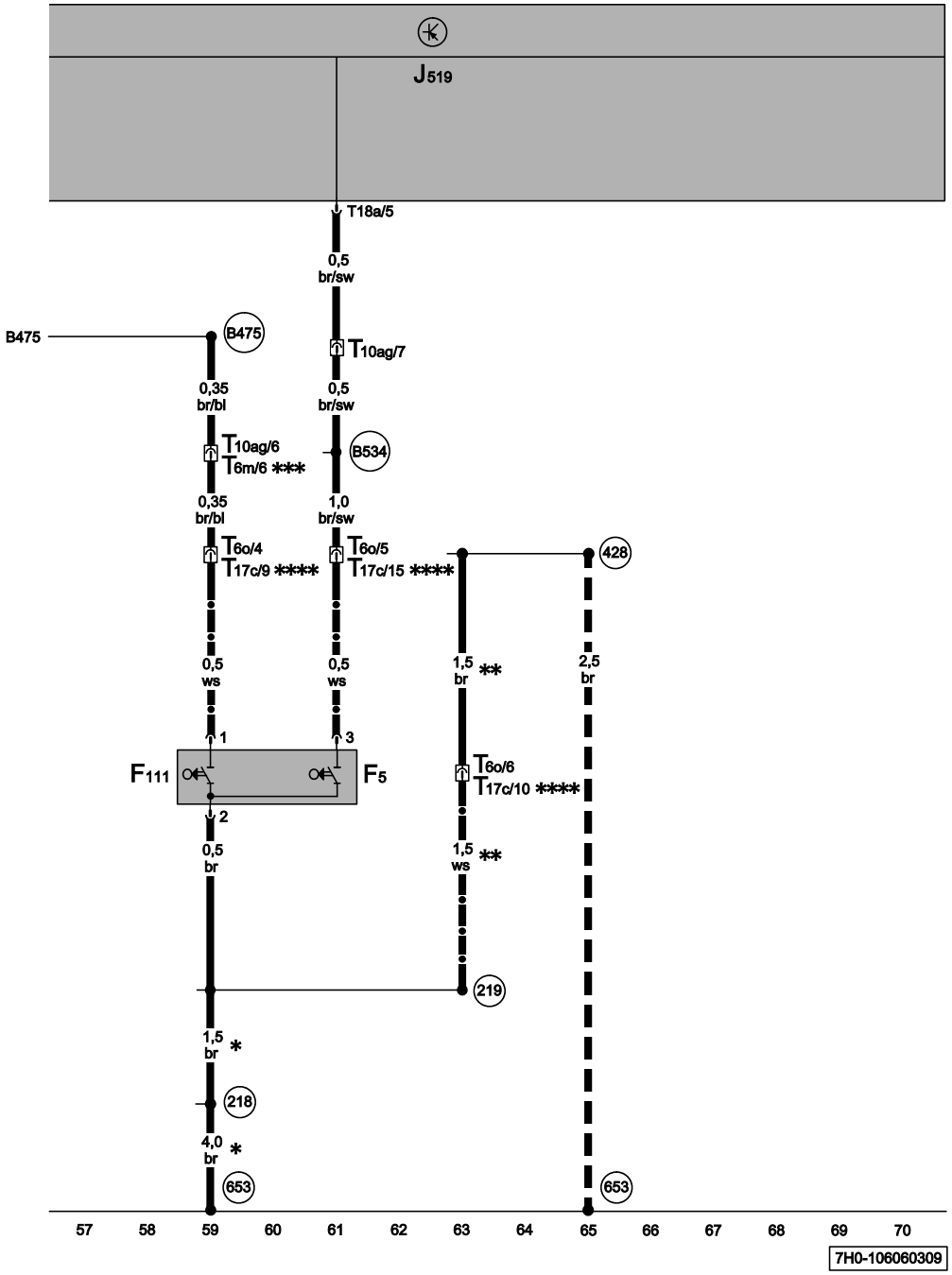
ws = white

Onboard power supply control unit, rear lid control unit, power latching motor, power latching system limit switch

F333	Power latching system limit switch, luggage compartment locked
J519	Onboard supply control unit
J605	Rear lid control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T18a	18-pin connector, brown
V329	Power latching motor
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
424	Earth connection 2, in left rear end wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B475	Connection 11 in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	Fuse was reduced to 15A, applicable from January 2005
****	for models with central locking only
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or	=	orange
rs	=	pink

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uniform"/
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ws = white

Luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable up to December 2004
**	applicable from January 2005
***	applicable from January 2006
****	applicable from November 2006

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or	=	orange
rs	=	pink

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Automatic anti-dazzle interior mirror

⇒ **Rain sensor**

from June 2004

Notes:

For information concerning

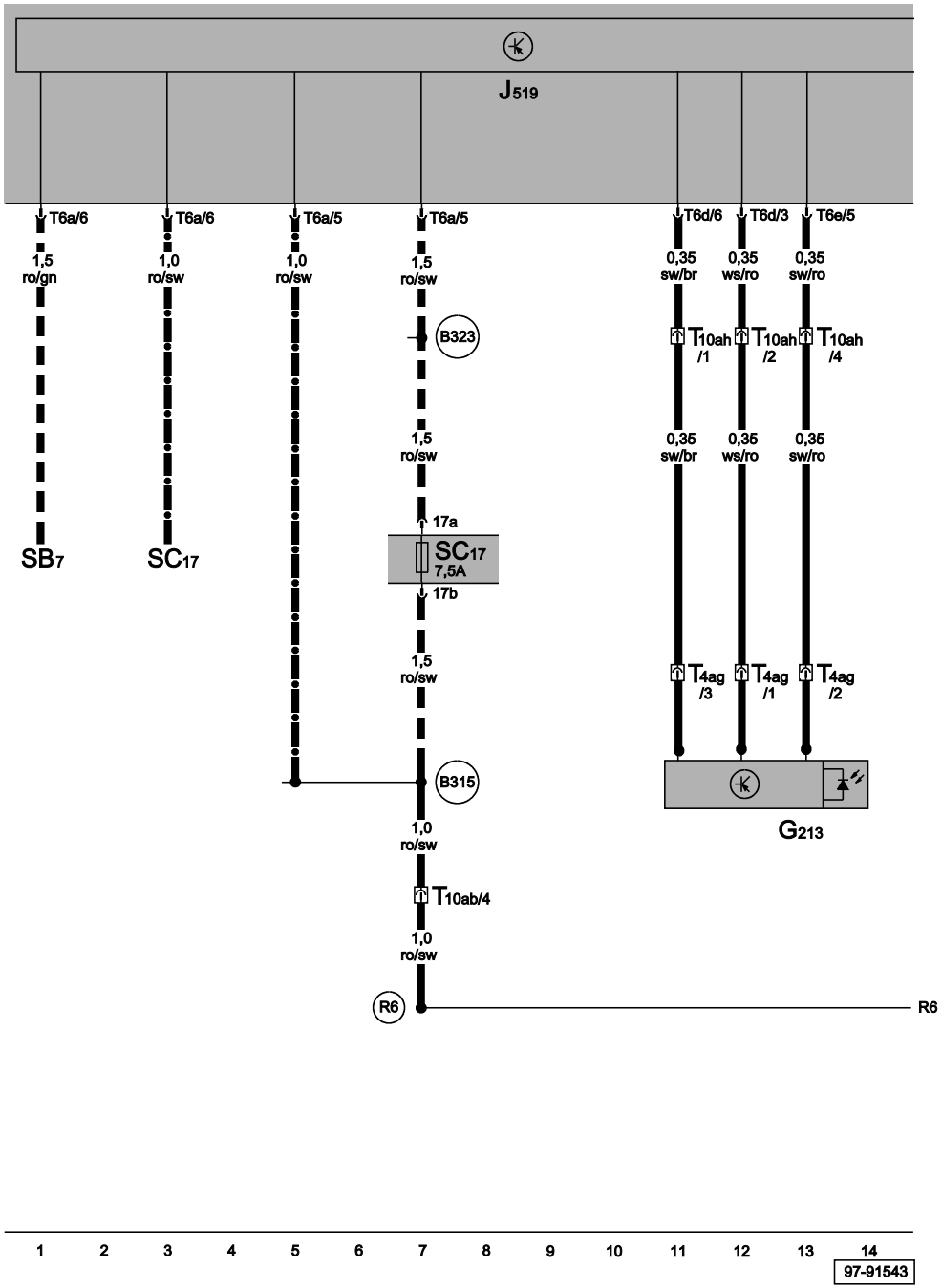
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

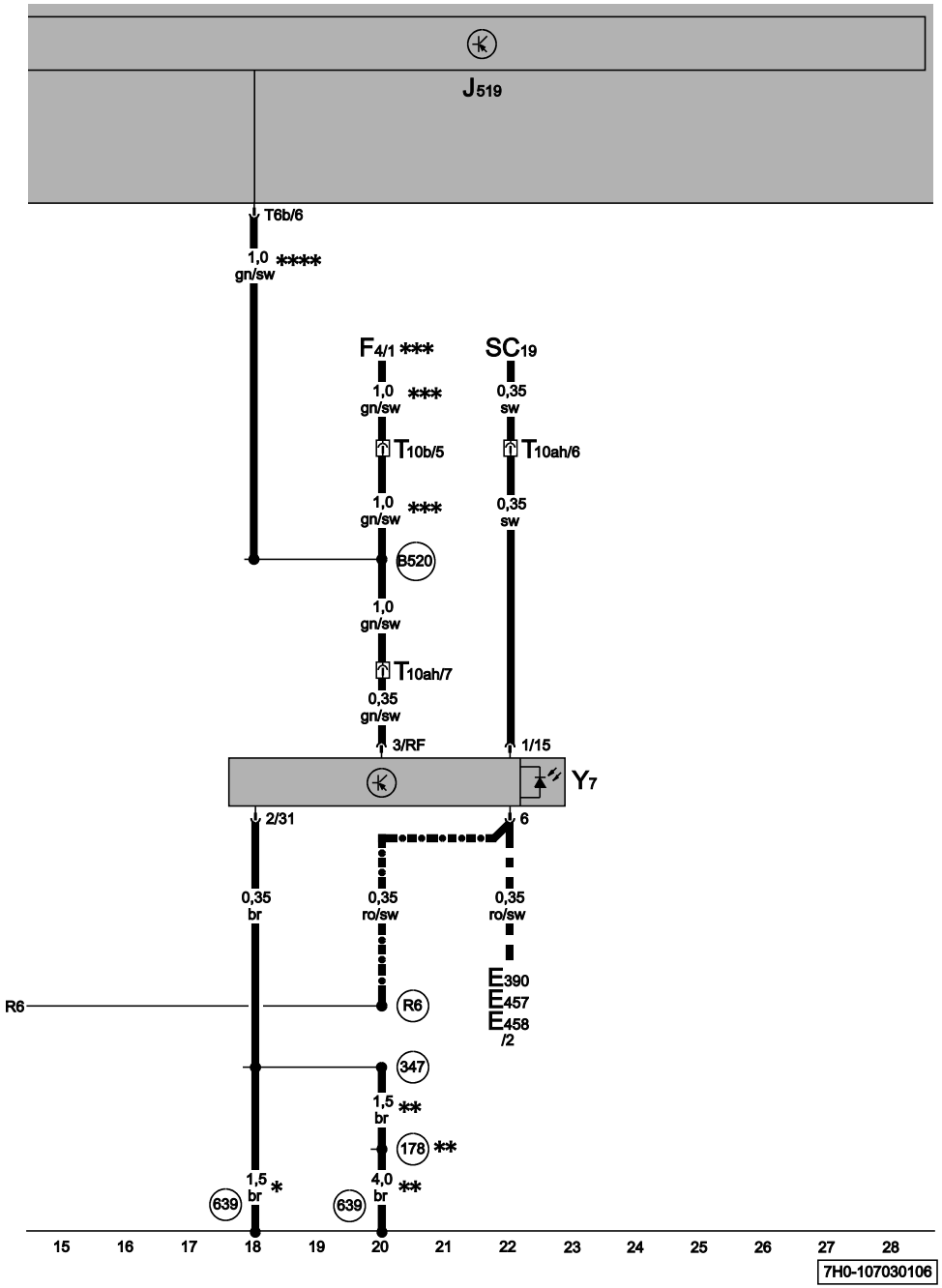
Rain sensor, fuses

G213	Rain sensor
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder
SC17	Fuse 17 on fuse holder
T4ag	4-pin connector, black, near rain sensor
T6a	6-pin connector, brown
T6d	6-pin connector, brown
T6e	6-pin connector, red
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness

<fo:exter for models without roof console only
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ge	=	yellow
or	=	orange
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Automatic anti-dazzle interior mirror

E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
F4	Reversing light switch
J519	Onboard supply control unit
SC19	Fuse 19 on fuse holder
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10ah	10-pin connector, purple, coupling station on left of A-pillar
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B520	Positive connection (RL), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with manual gearbox only
****	for models with automatic gearbox only
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1.9 l/77 kW - Turbodiesel engine, engine code AXB

from February 2004

1.9 l/63 kW - Turbodiesel engine, engine code AXC

from February 2004

Notes:

For information concerning

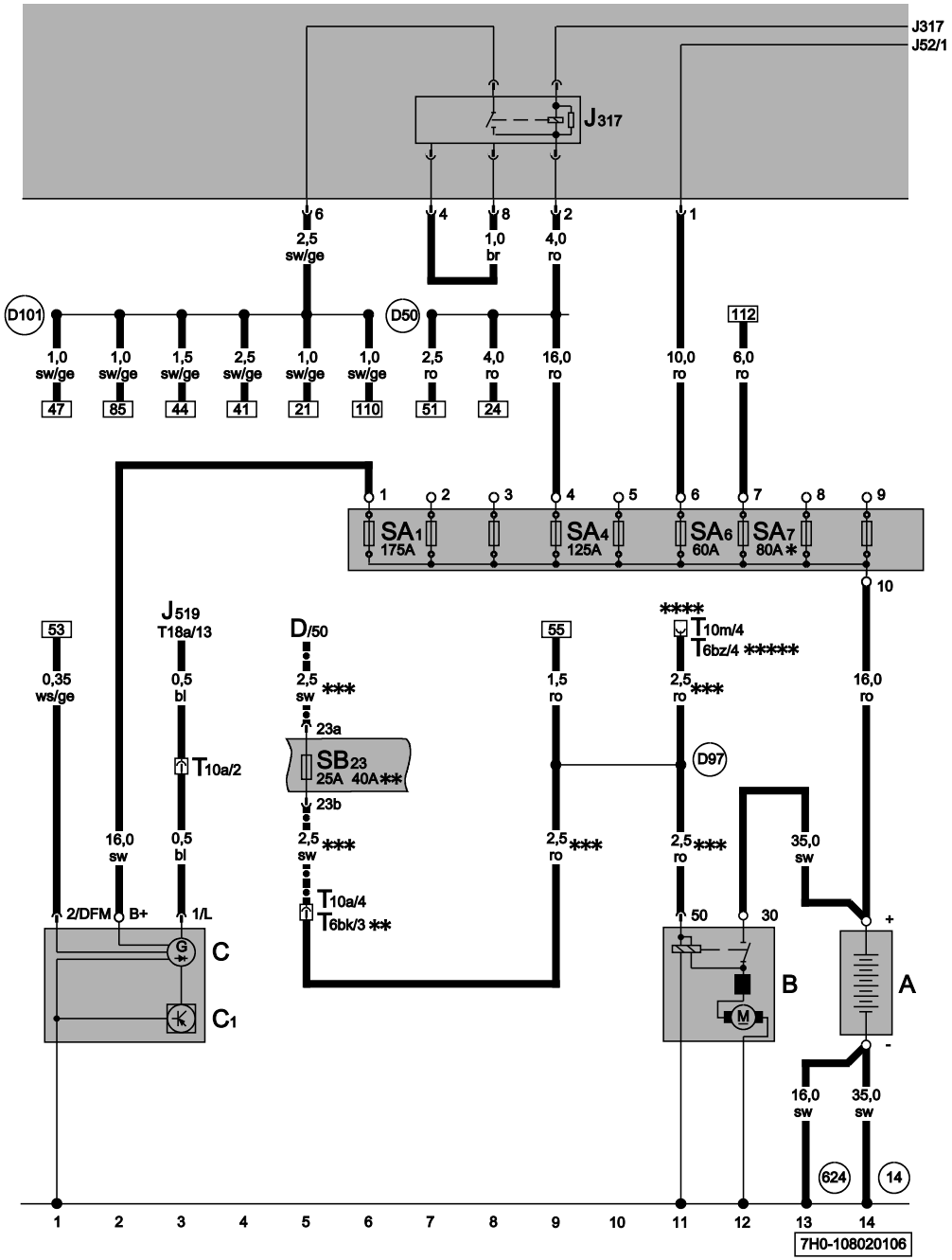
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

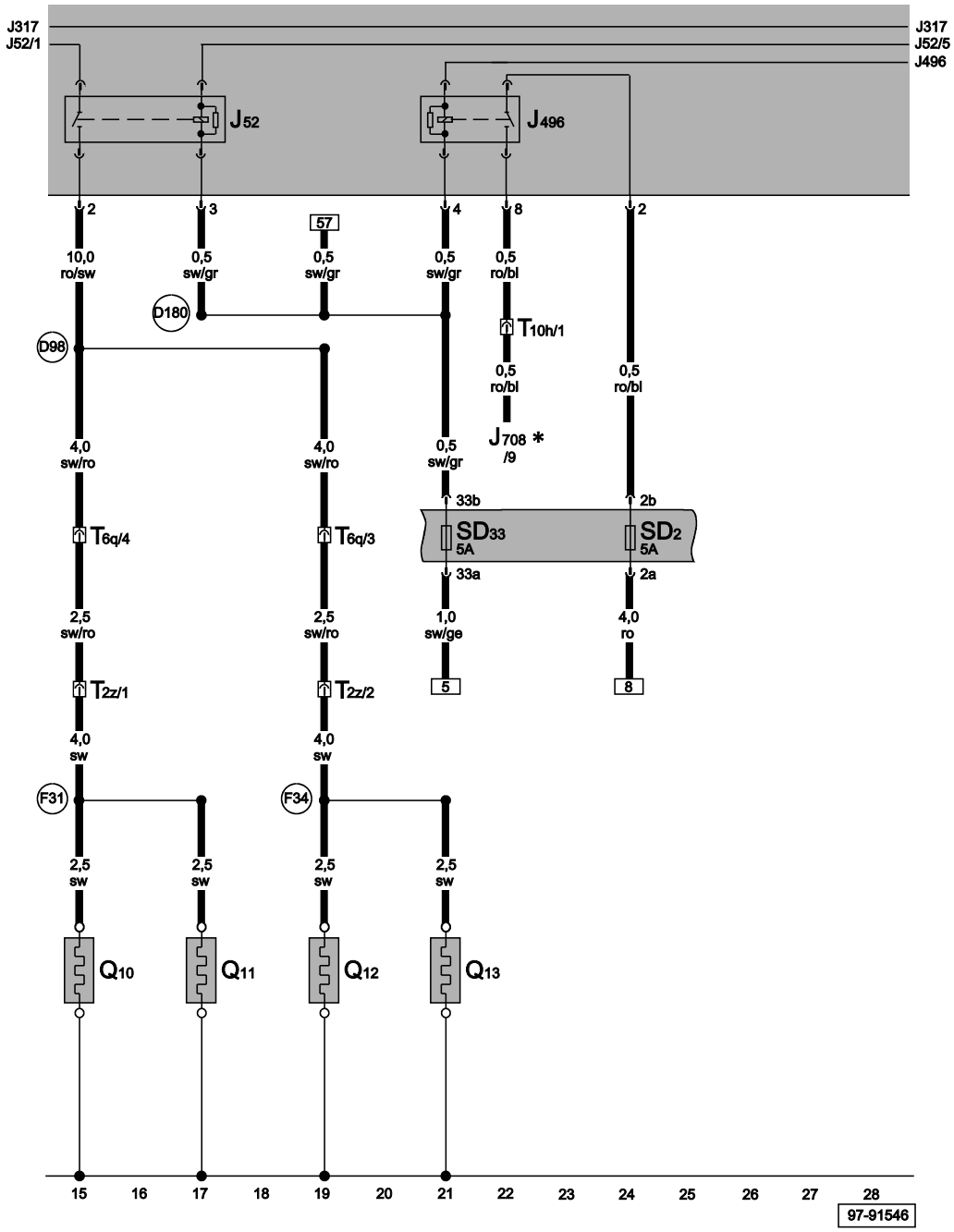


Alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder on battery
SA4	Fuse 4 on fuse holder on battery
SA6	Fuse 6 on fuse holder on battery
SA7	Fuse 7 on fuse holder on battery
SB23	Fuse 23 on fuse holder
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	depends on equipment ⇒ Fitting locations
**	applicable from June 2004 up to December 2004
***	Cross-section 4.0 possible
****	⇒ electric interface Current Flow Diagram
*****	applicable from June 2004
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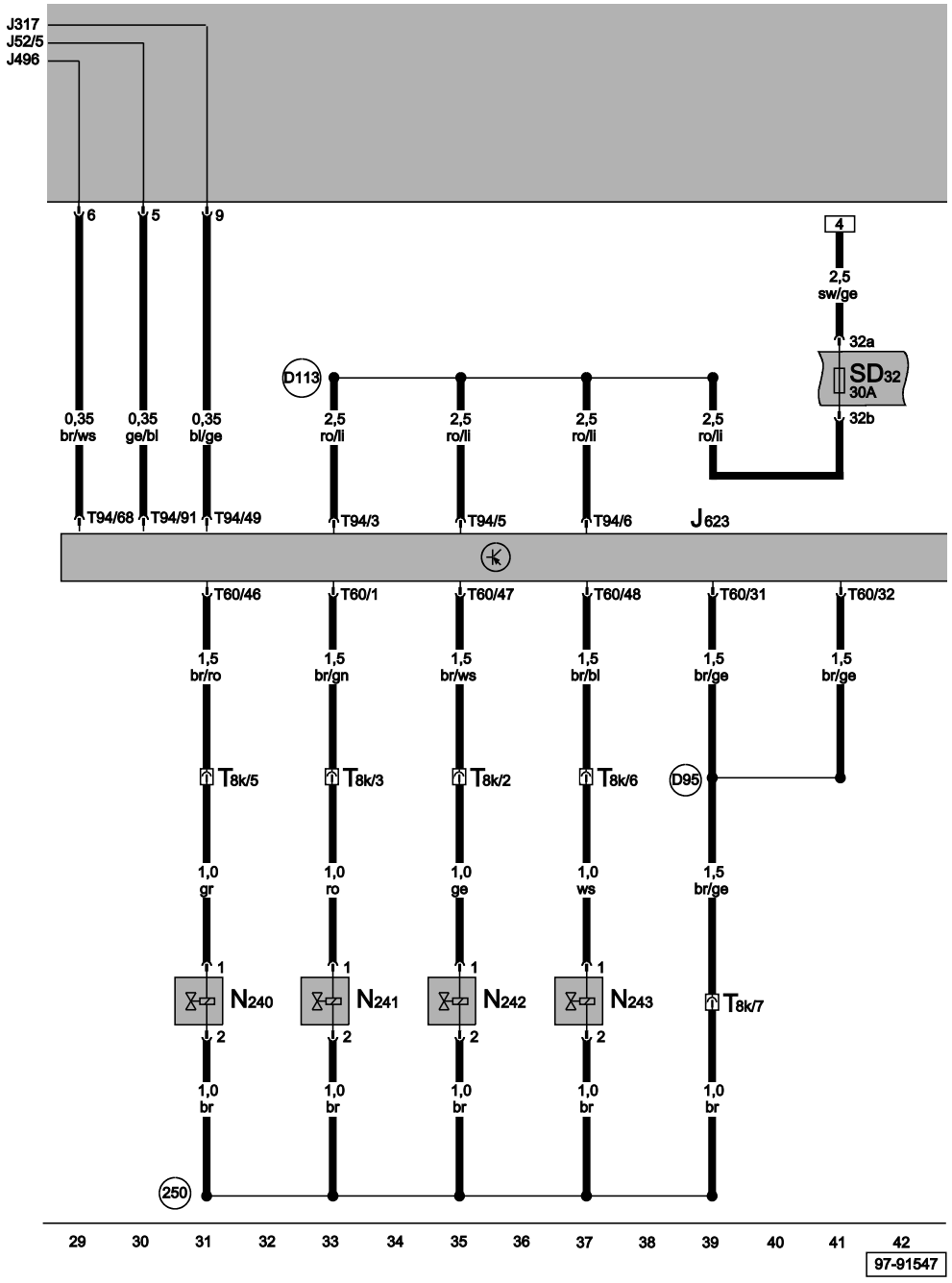
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rs	=	pink	



Glow plug relay, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder
SD33	Fuse 33 on fuse holder
T2z	2-pin connector, on engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
F31	Connection (engine glow plugs) in diesel direct injection system wiring harness
F34	Connection 2 (engine glow plugs), in diesel direct injection system wiring harness
*	⇒ CFD for auxiliary coolant heater

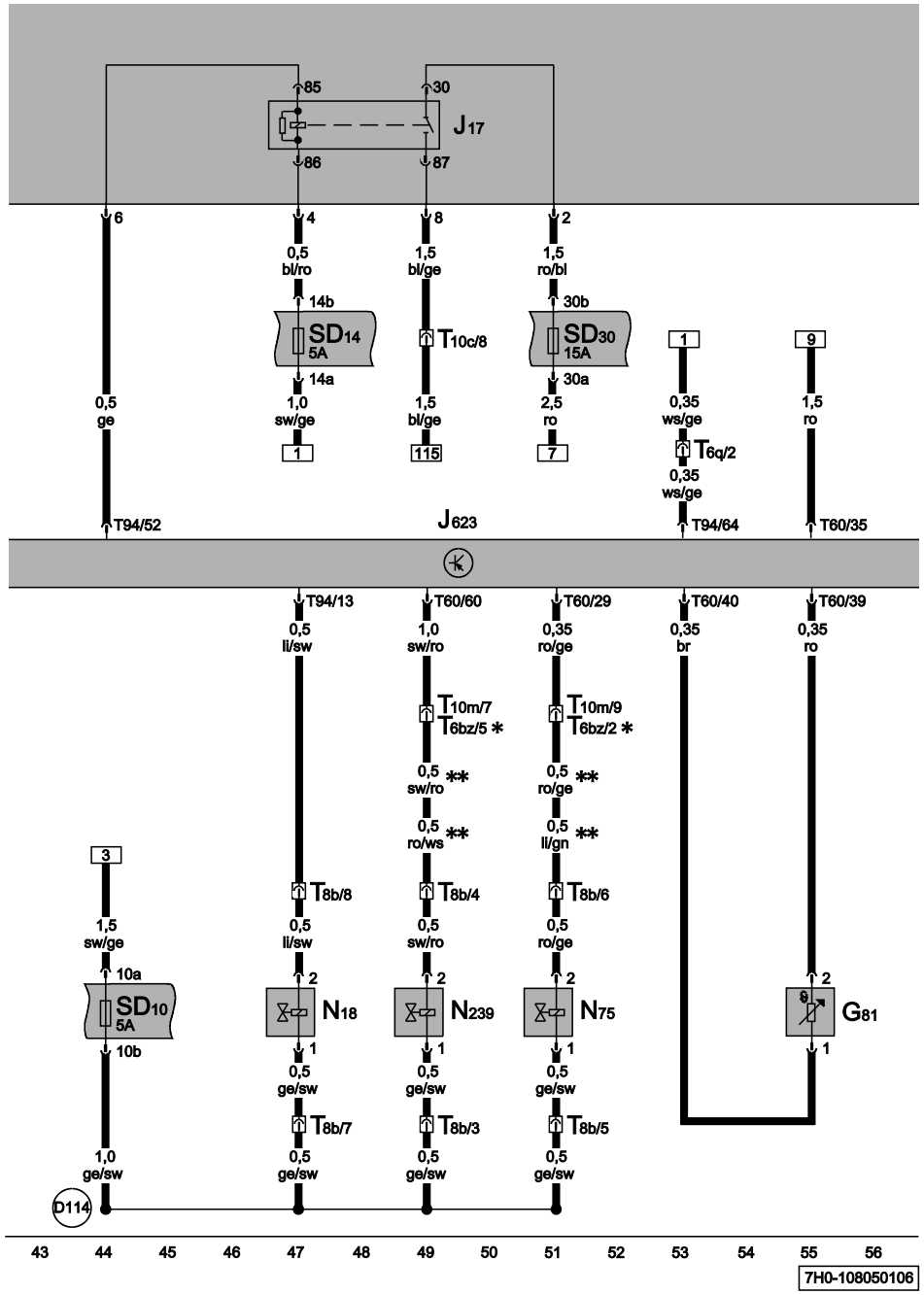
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ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

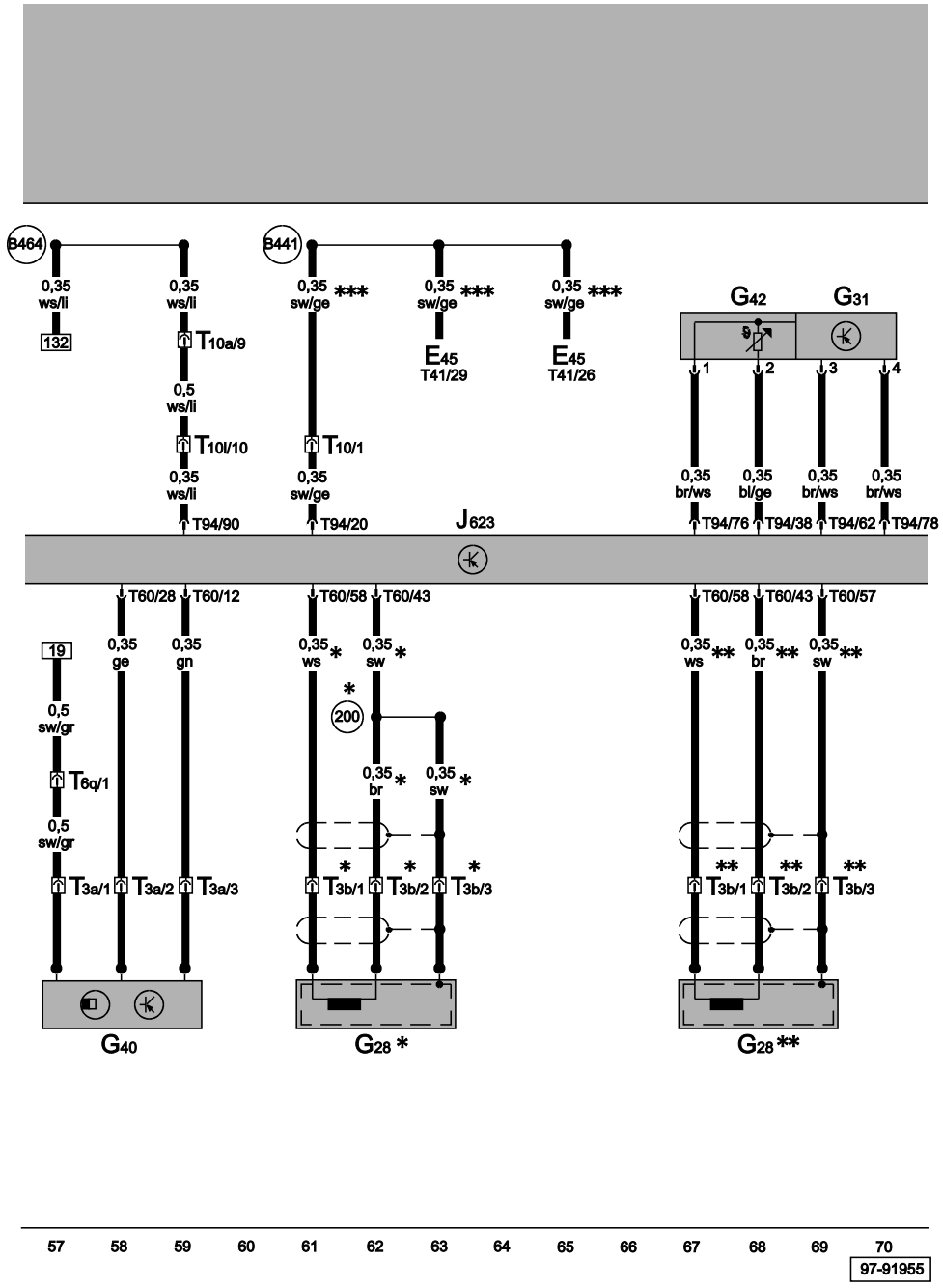
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, fuel pump relay, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, variable intake manifold flap change-over valve

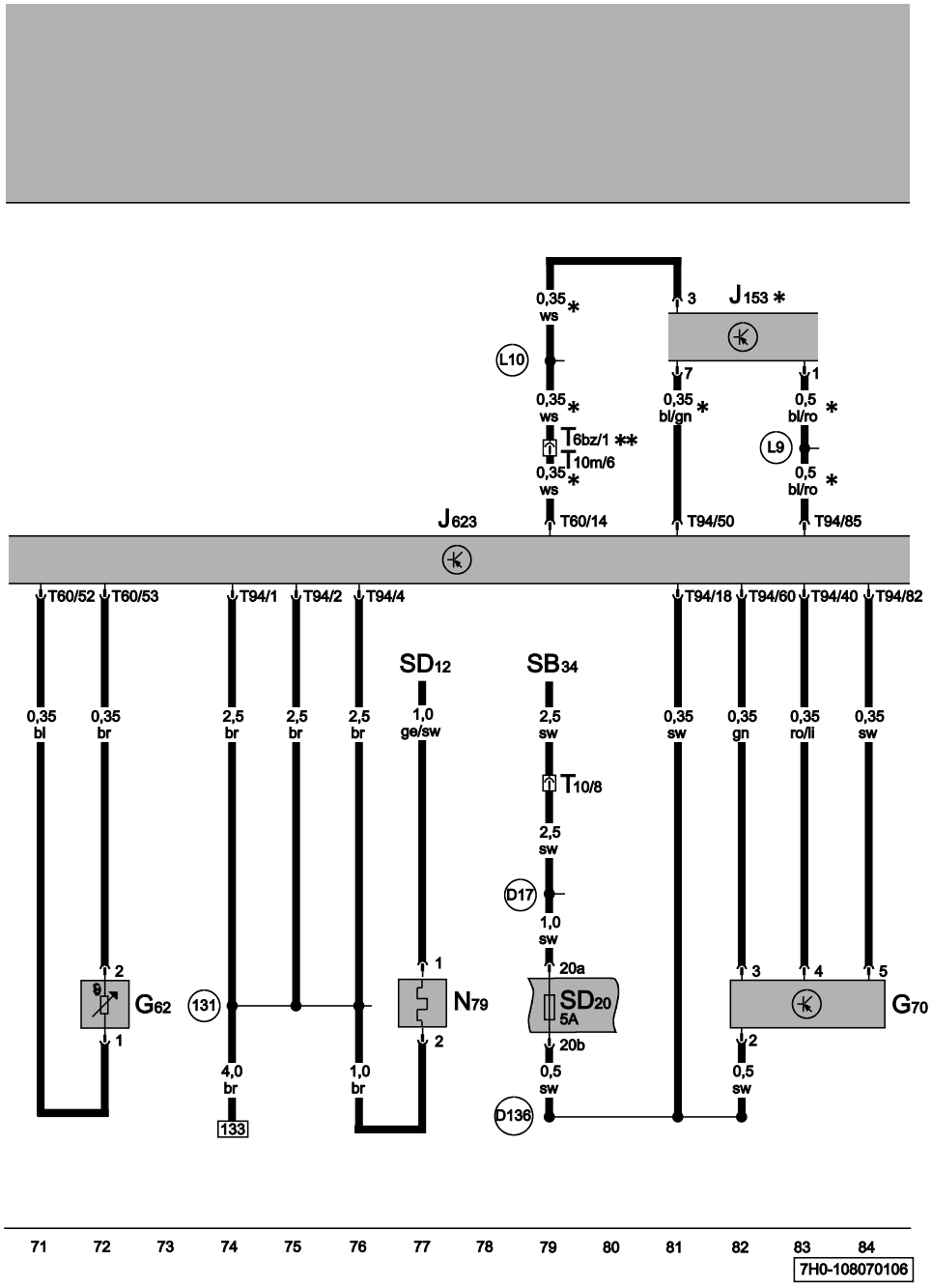
G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder
SD14	Fuse 14 on fuse holder
SD30	Fuse 30 on fuse holder
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8b	8-connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2004
**	Depends on equipment



Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
200	Earth connection (screening) in engine compartment wiring harness
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	applicable up to March 2004
**	applicable from April 2004
***	for models with CCS only

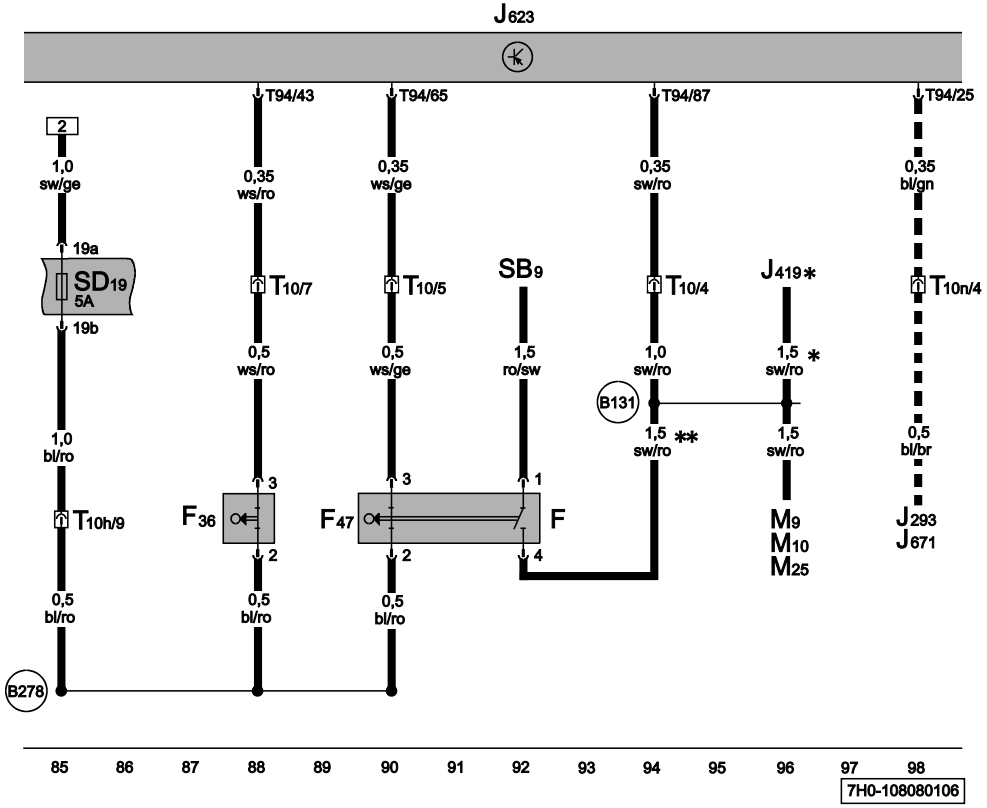
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
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bl = blue
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ge = yellow
or = orange
rs = pink

Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather, magnetic clutch control unit

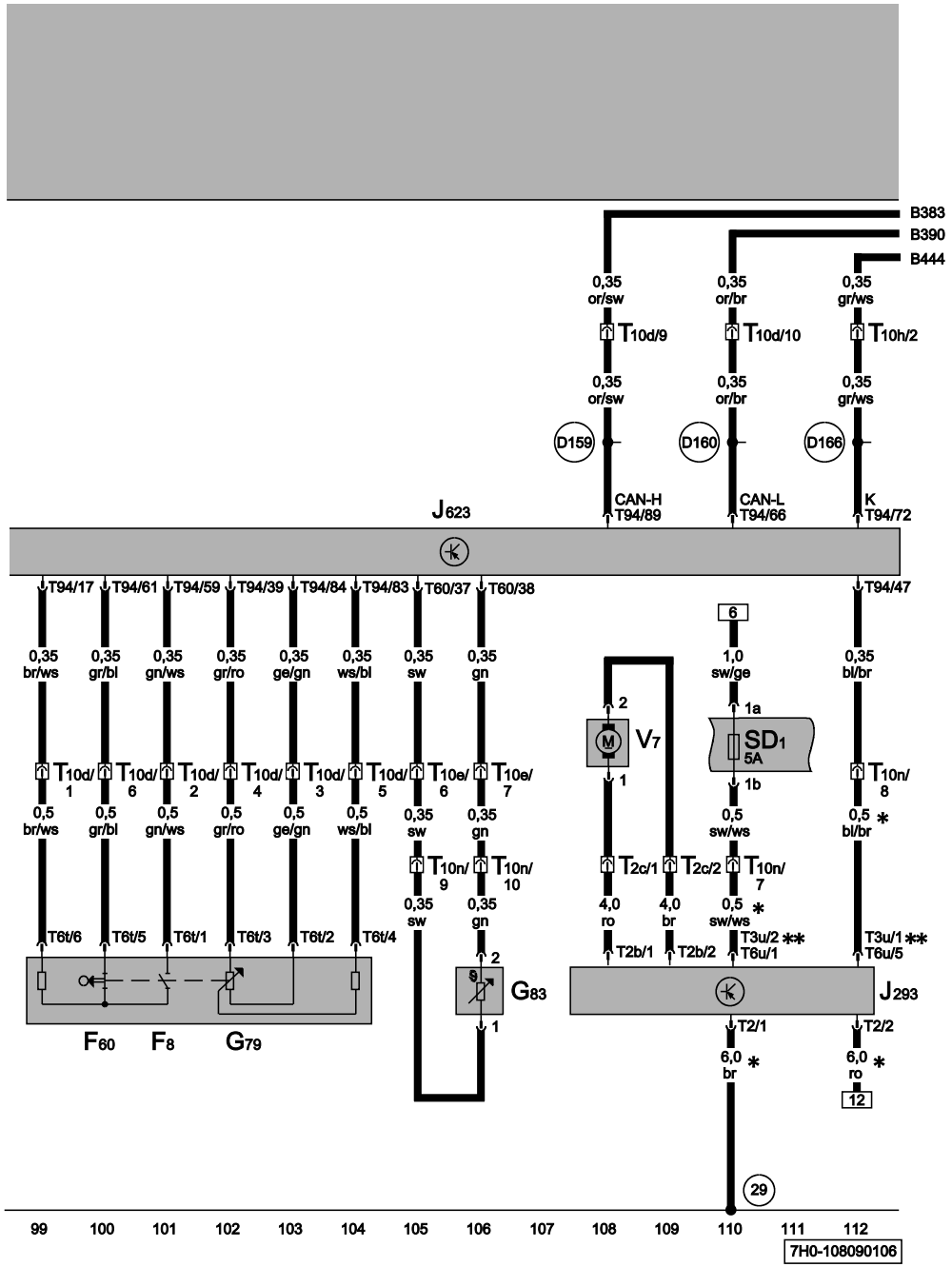
G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder
SD12	Fuse 12 on fuse holder
SD20	Fuse 20 on fuse holder
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only, ⇒ air conditioning system Current Flow Diagram
**	applicable from July 2004



ws = white
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Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

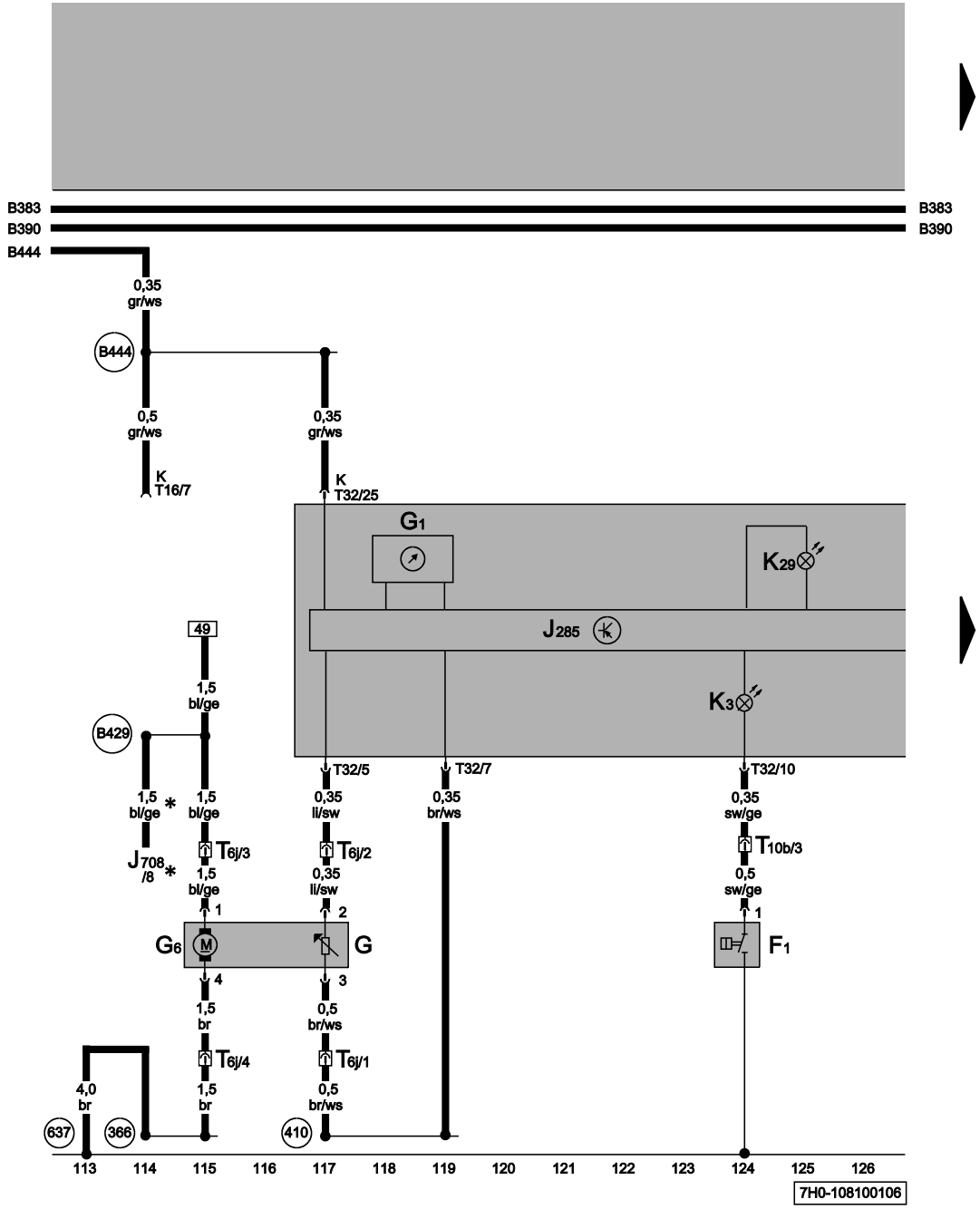
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder
SD19	Fuse 19 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ESP only, ⇒ ABS Current Flow Diagram
**	for models without ESP only
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Accelerator position sender, radiator outlet coolant temperature sender, radiator fan control unit, radiator fan

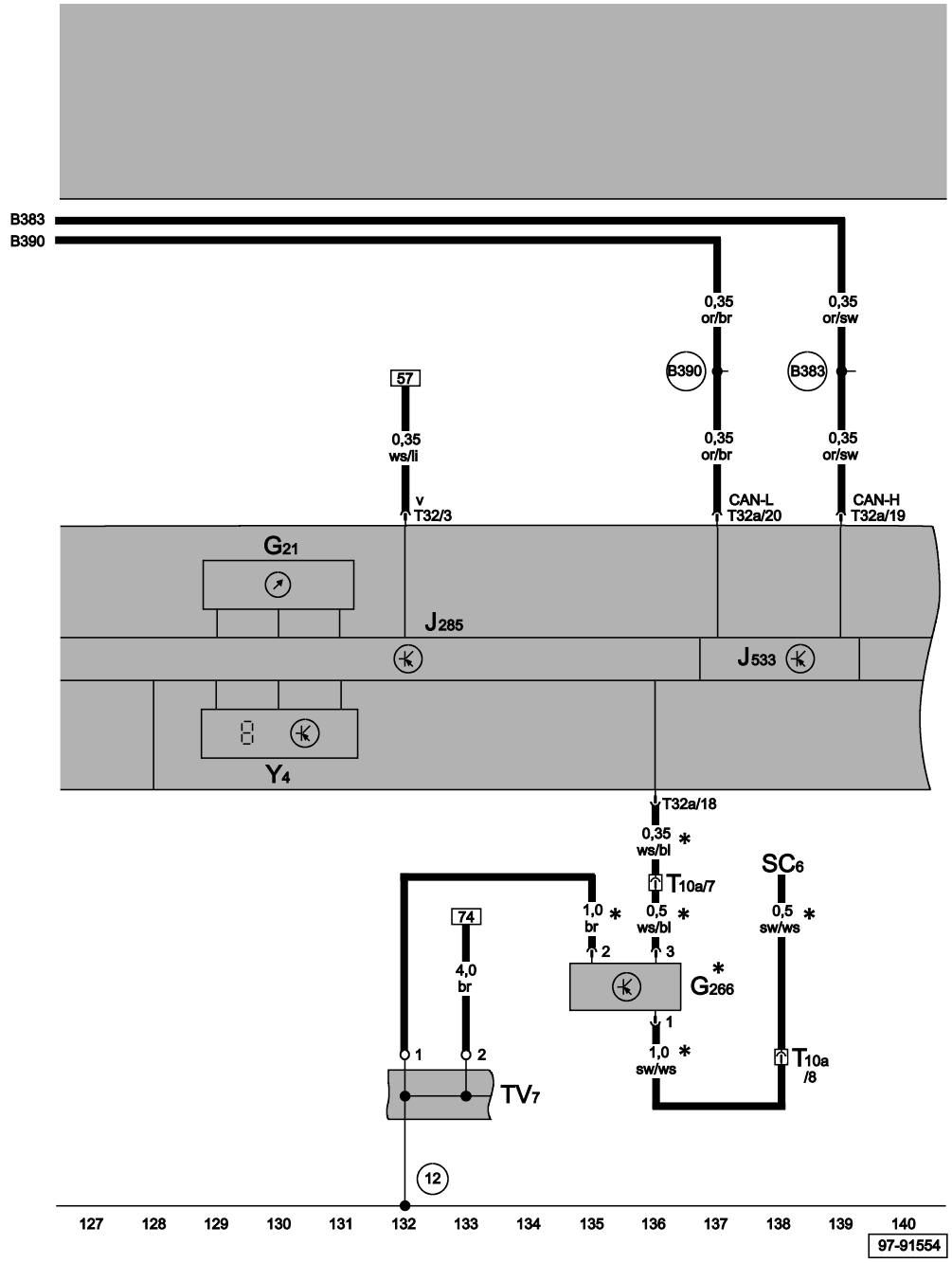
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T6u	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only
**	applicable from January 2006



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or = orange
rs = pink

Control unit in dash panel insert, oil pressure switch, fuel system pressurisation pump, fuel gauge sender, warning lamps

F1	Oil pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J708	Residual heat relay
K3	Oil pressure warning lamp
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment, ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram



Control unit in dash panel insert, speedometer, data bus diagnostic interface, oil level and oil temperature sender, warning lamps

G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC6	Fuse 6 on fuse holder
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models with extended servicing intervals only

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or	=	orange
rs	=	pink

2.5 l/96 kW - Turbodiesel engine, engine code AXD

from February 2004

2.5 l/128 kW - Turbodiesel engine, engine code AXE

2.5 l/120 kW - Turbodiesel engine, engine code BLJ

2.5 l/120 kW - Turbodiesel engine, engine code BLJ

from February 2004

Notes:

For information concerning

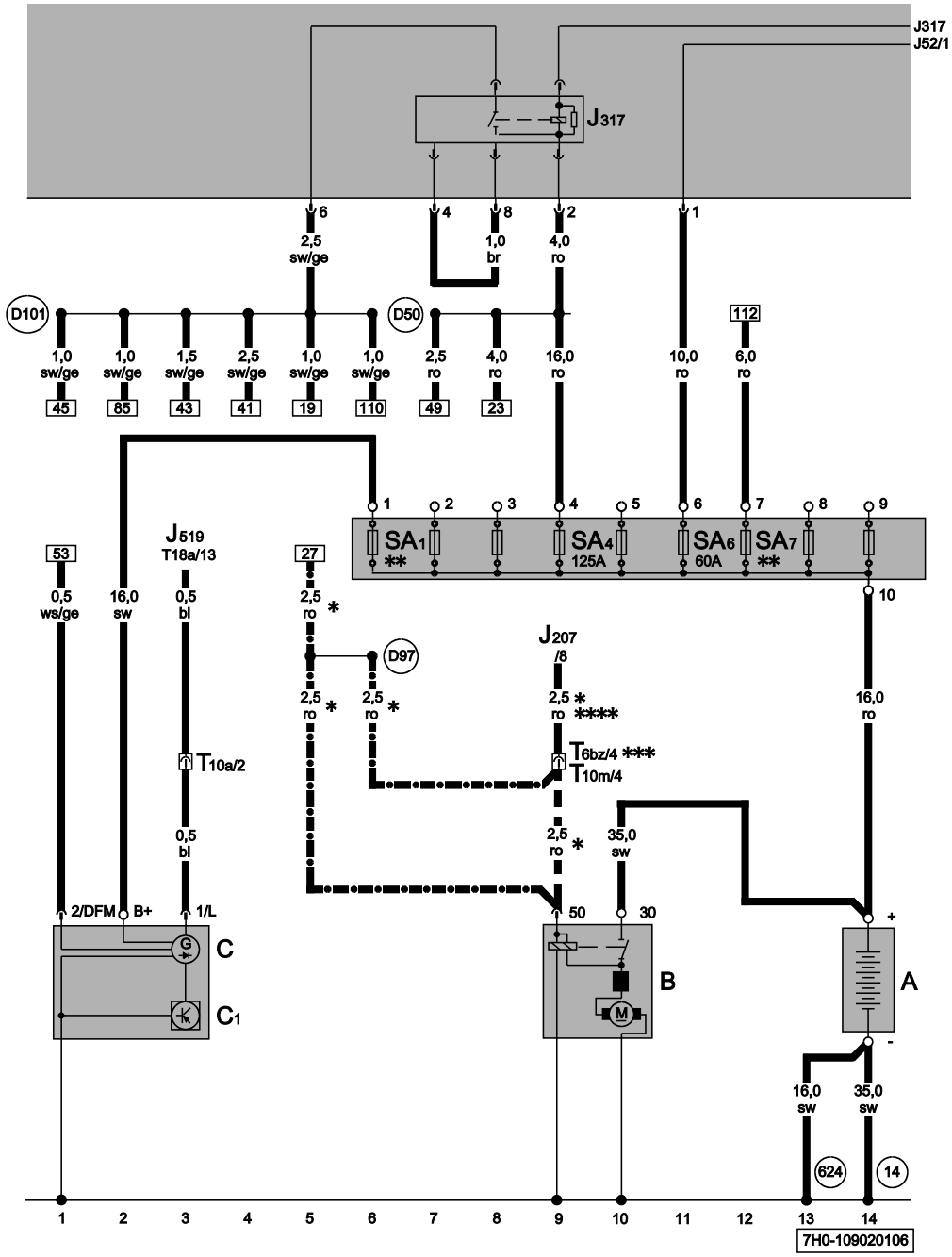
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	Cross-section 4.0 possible
**	fuse rating depends on equipment ⇒ Fitting Locations
***	applicable from June 2004
****	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram

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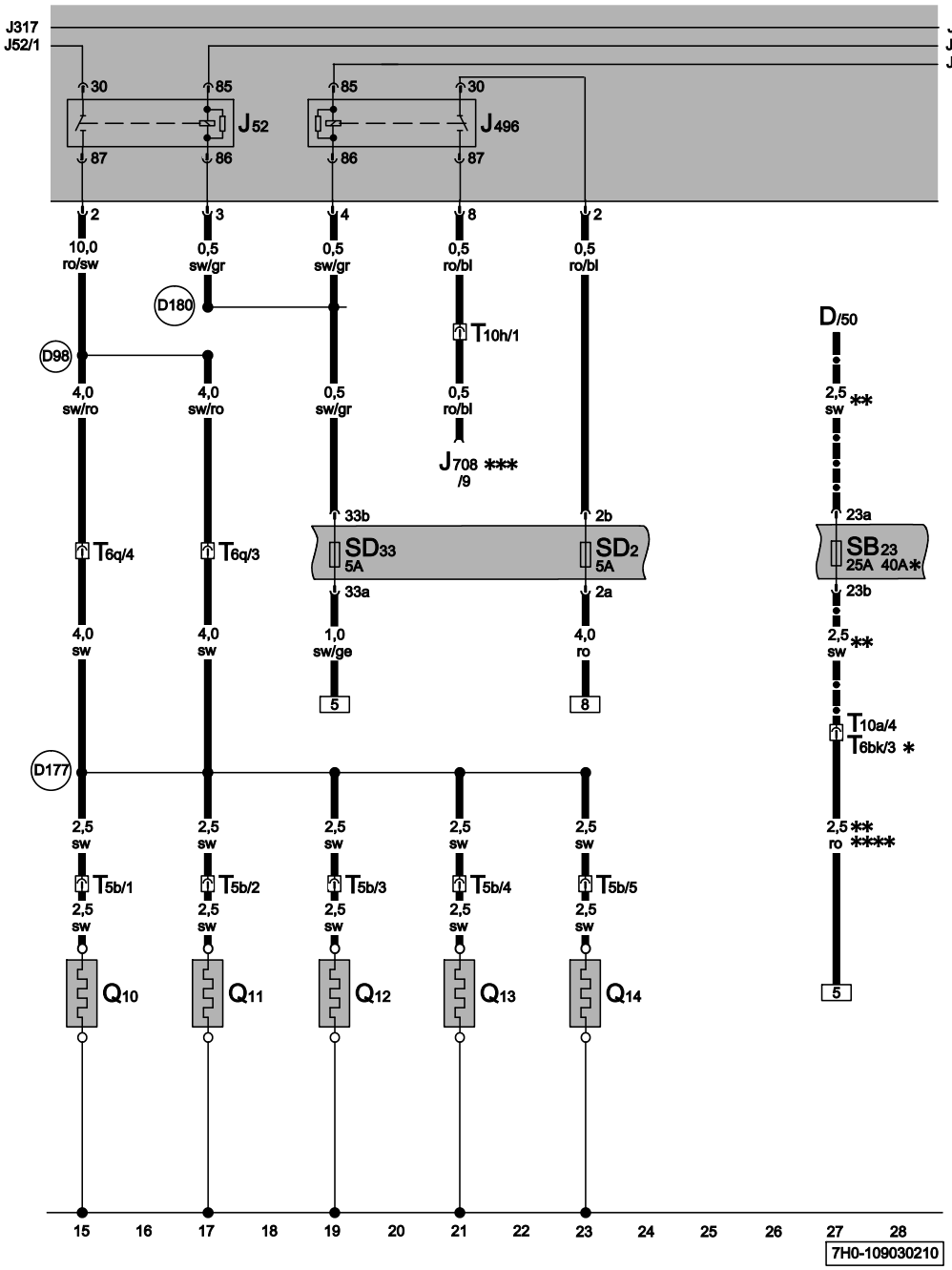
for models with manual gearbox only

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for models with automatic gearbox only

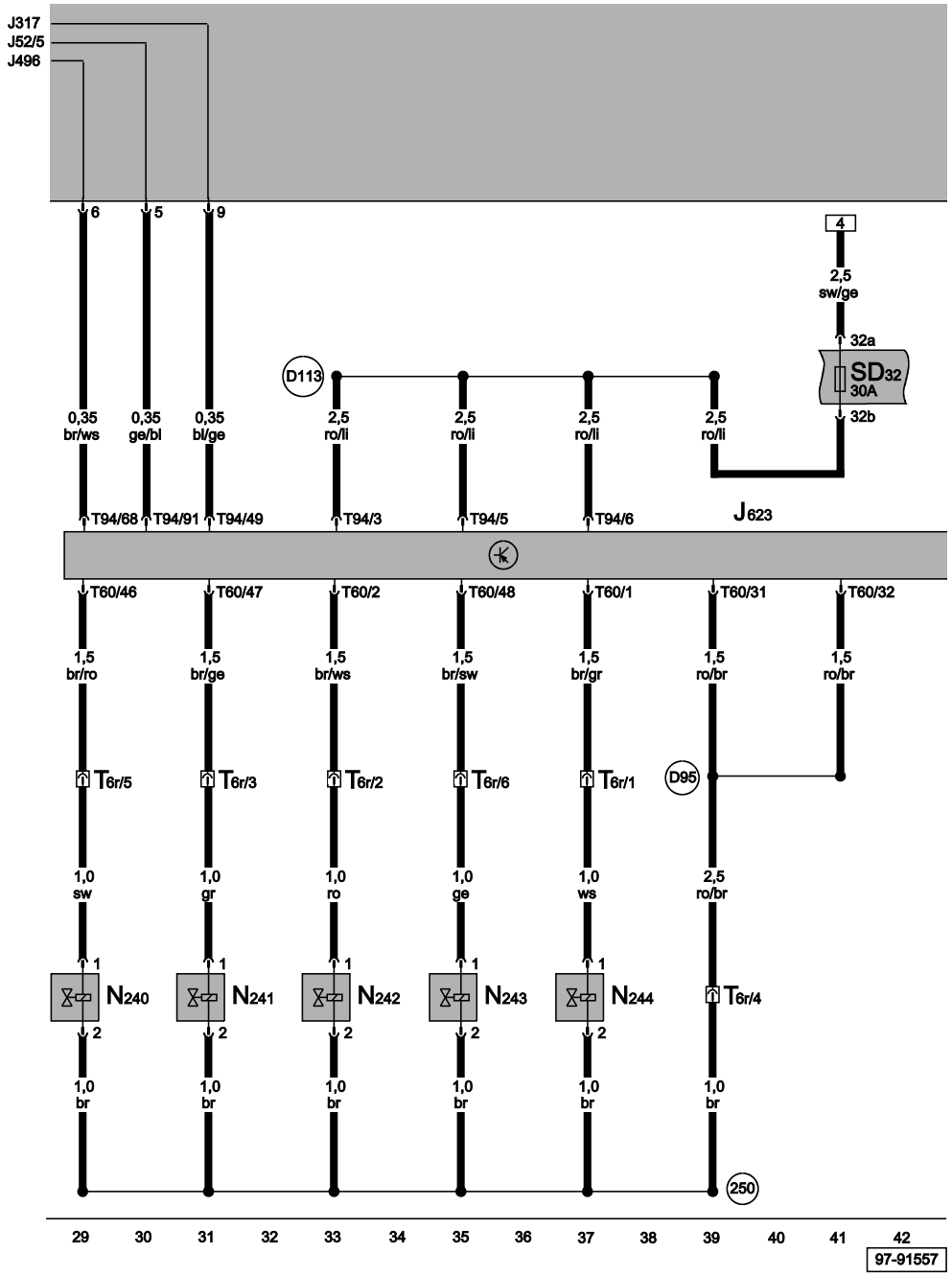


ws = white

Glow plug relay, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

D	Ignition/starter switch
J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SB23	Fuse 23 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D177	Connection 2 (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	applicable from June 2004 up to December 2004
**	Cross-section 4.0 possible
***	⇒ auxiliary coolant heater Current Flow Diagram
****	for models with manual gearbox only
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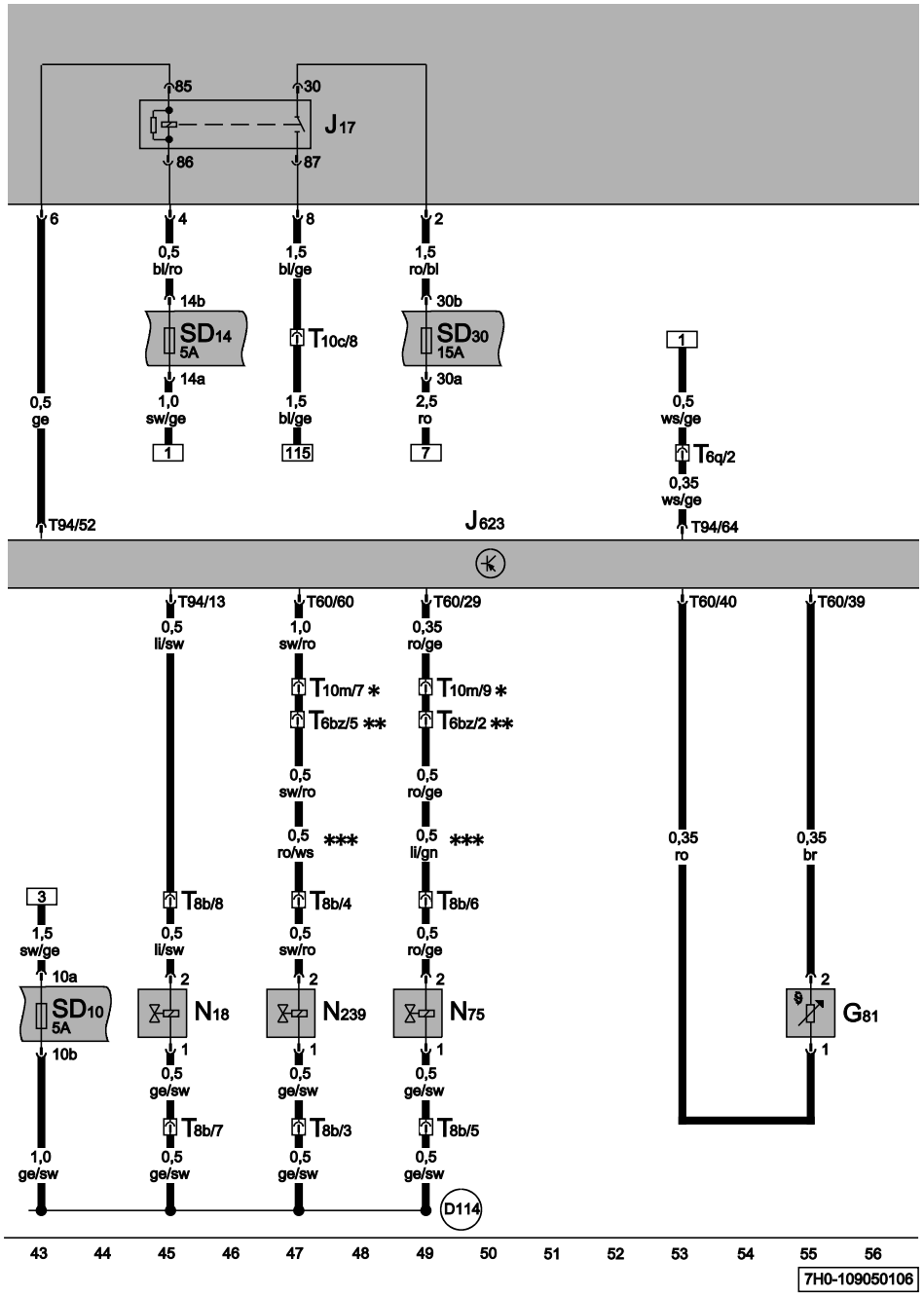
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ge	=	yellow	
or	=	orange	
rs	=	pink	



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

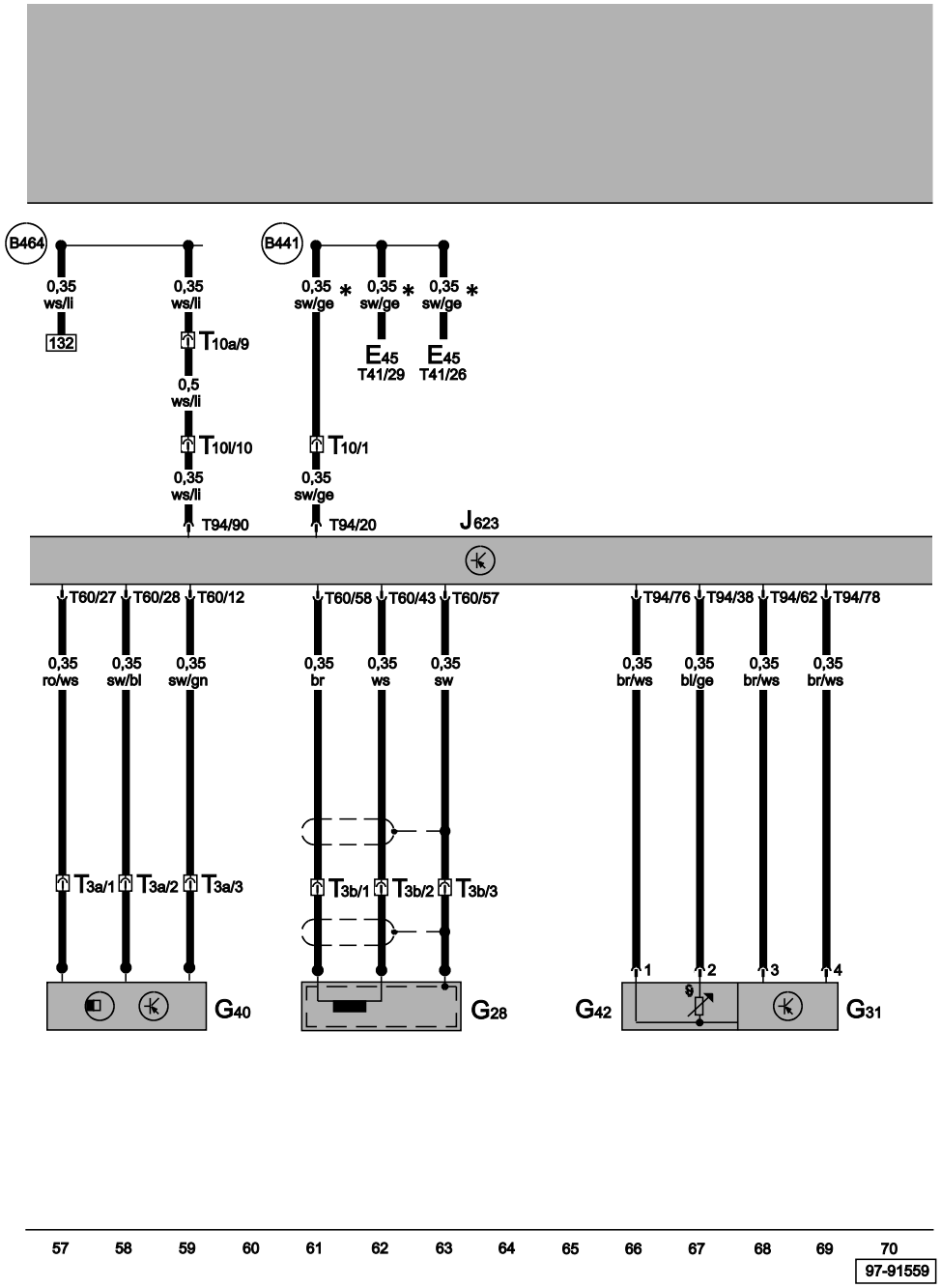
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br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel temperature sender, fuel pump relay, exhaust gas recirculation valve, charge pressure control solenoid valve, charge pressure control solenoid valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8b	8-pin connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	applicable from January 2006

ws	=	white
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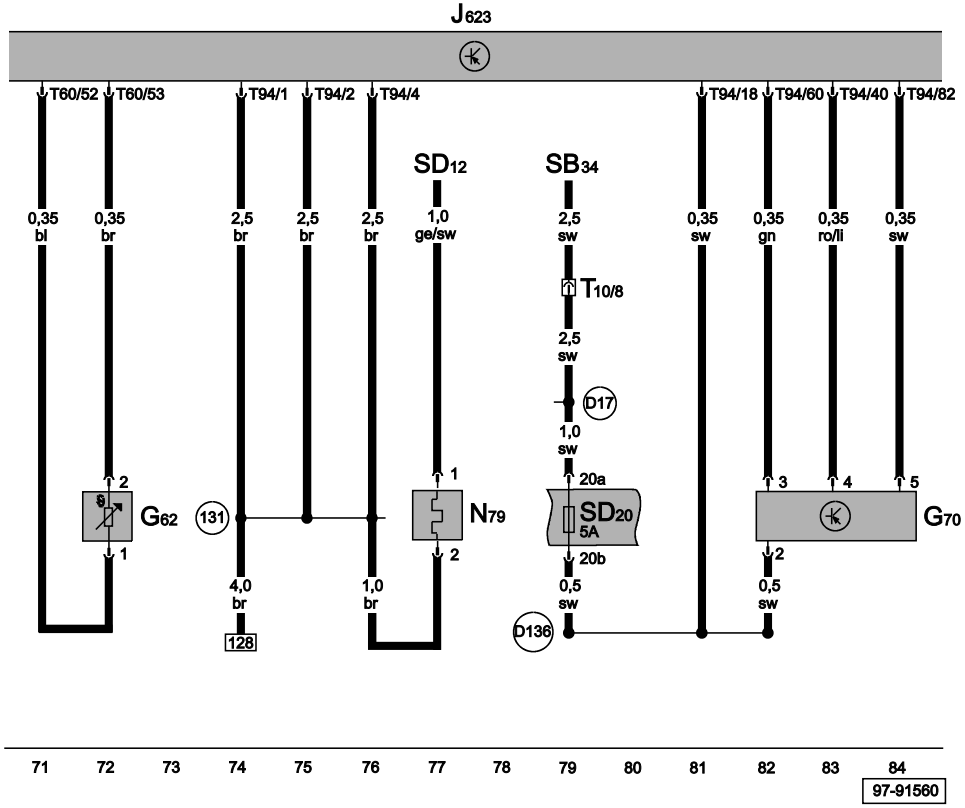
Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

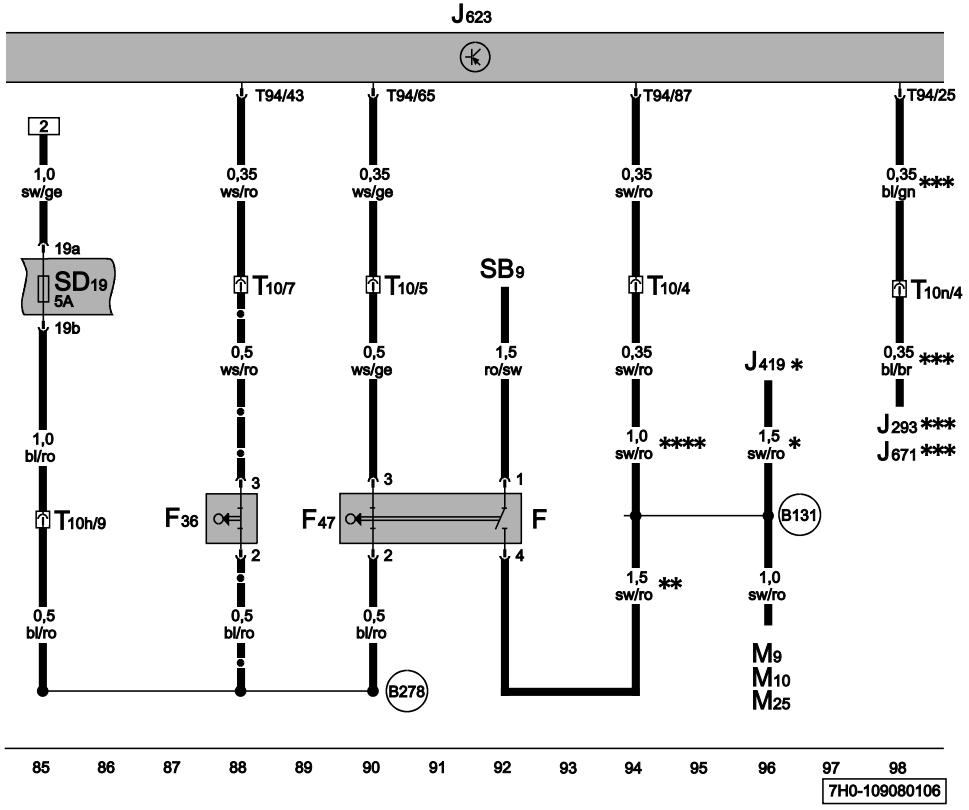
G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness



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gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch, brake light bulbs

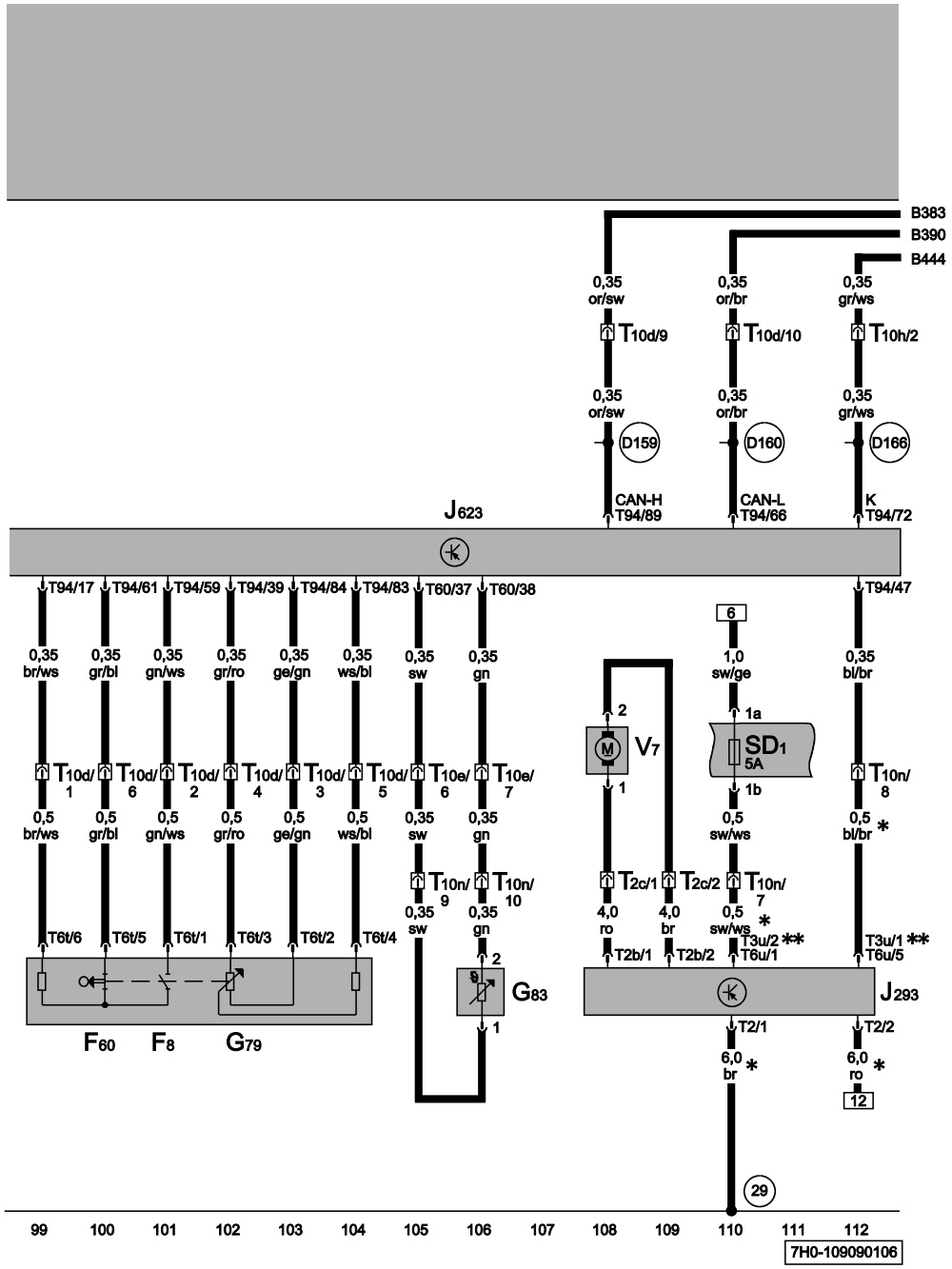




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ESP only ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	for models with air conditioning system only ⇒ Current Flow Diagram for radiator fan
****	applicable from June 2004
<fo:exter	for models with manual gearbox only

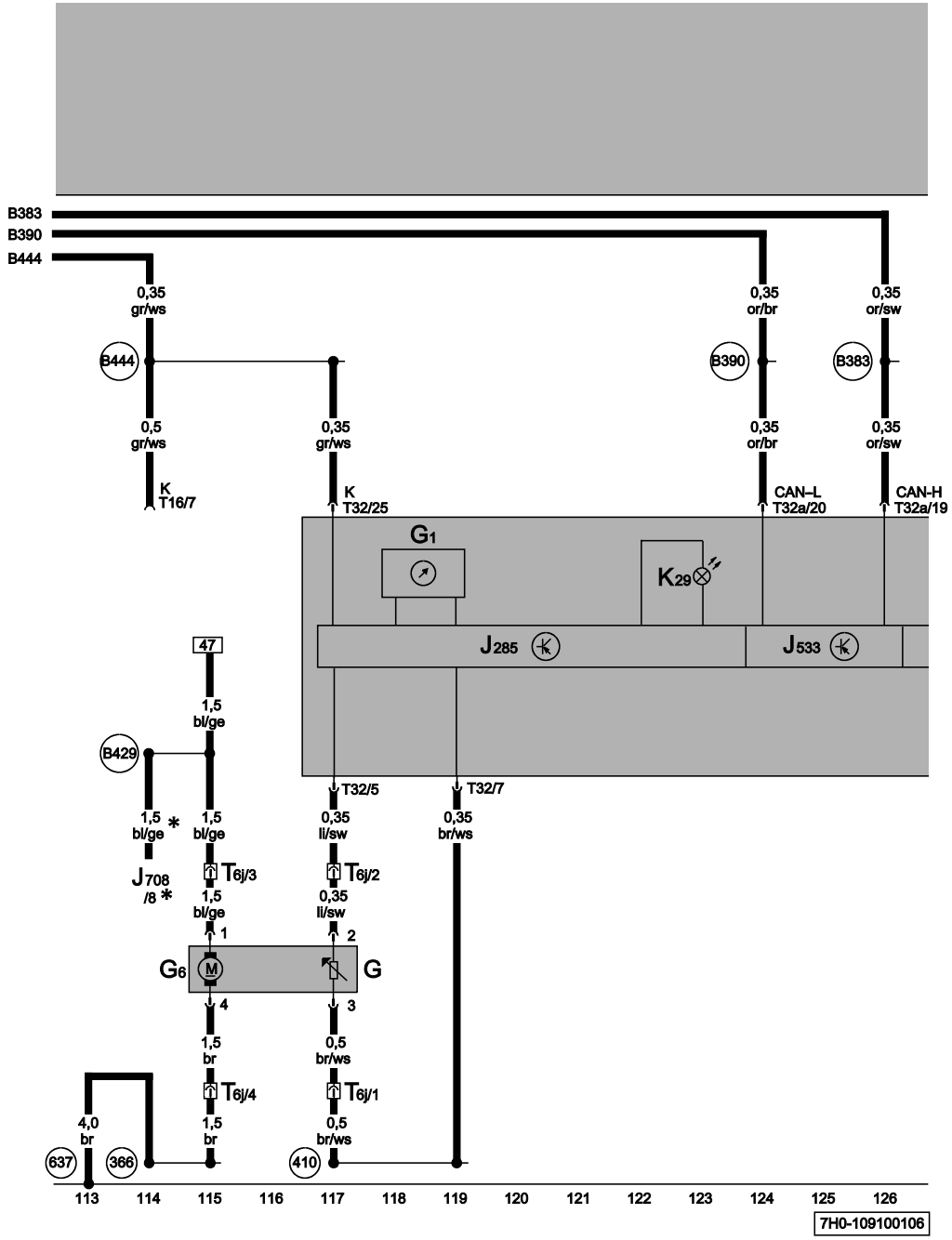
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Radiator fan control unit, radiator fan, radiator fan control unit, accelerator position sender, idling speed switch, kick-down switch

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T6u	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only
**	applicable from January 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



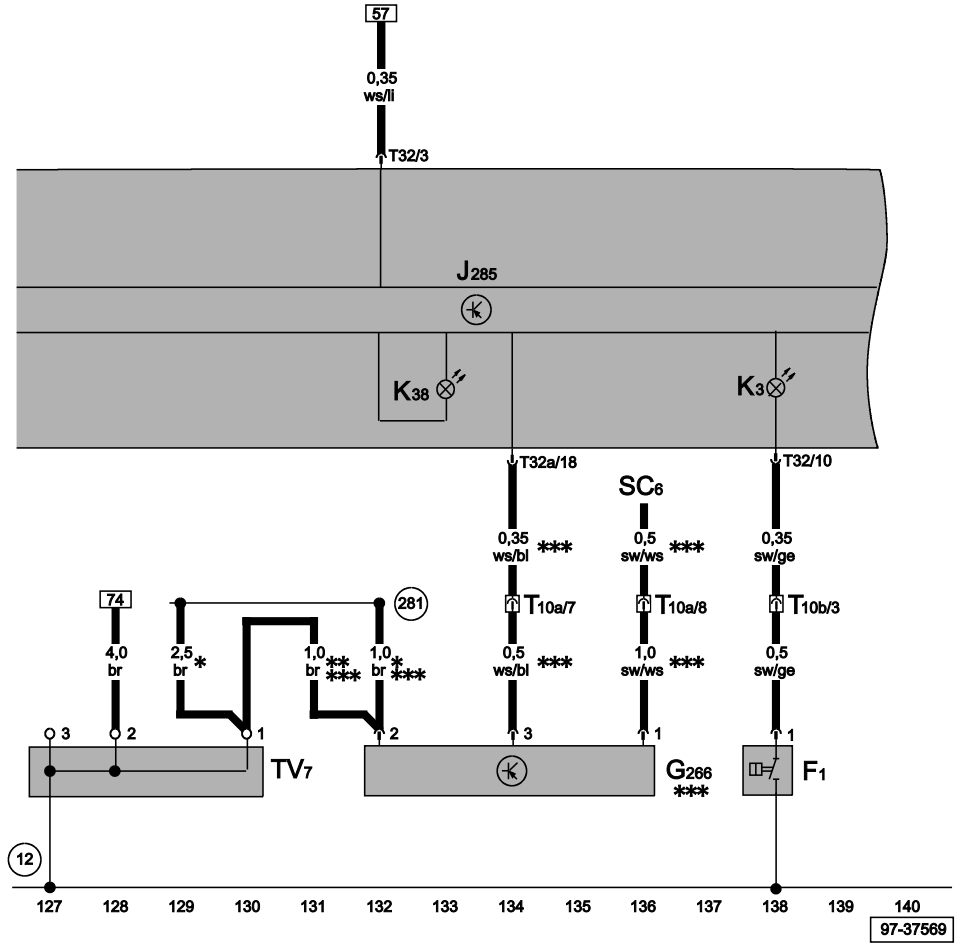
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Dash panel inser, data bus diagnostic interface, fuel gauge sender, fuel system pressurisation pump, warning lamps

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Sliding doors, electric (GX5/ GZ1/ GZ5/ GZ6)

⇒ **Power latching system**

from May 2004

Notes:

For information concerning

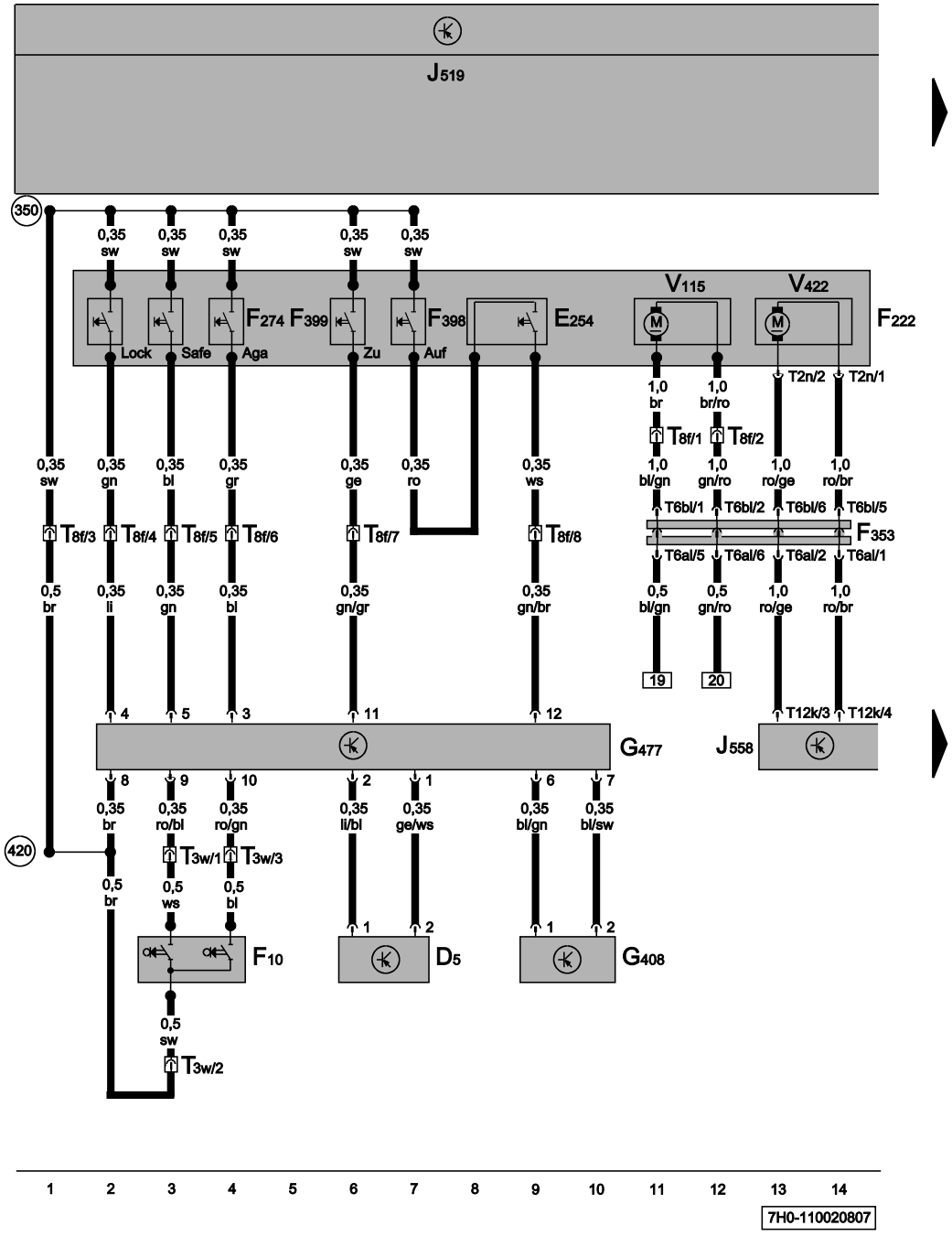
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

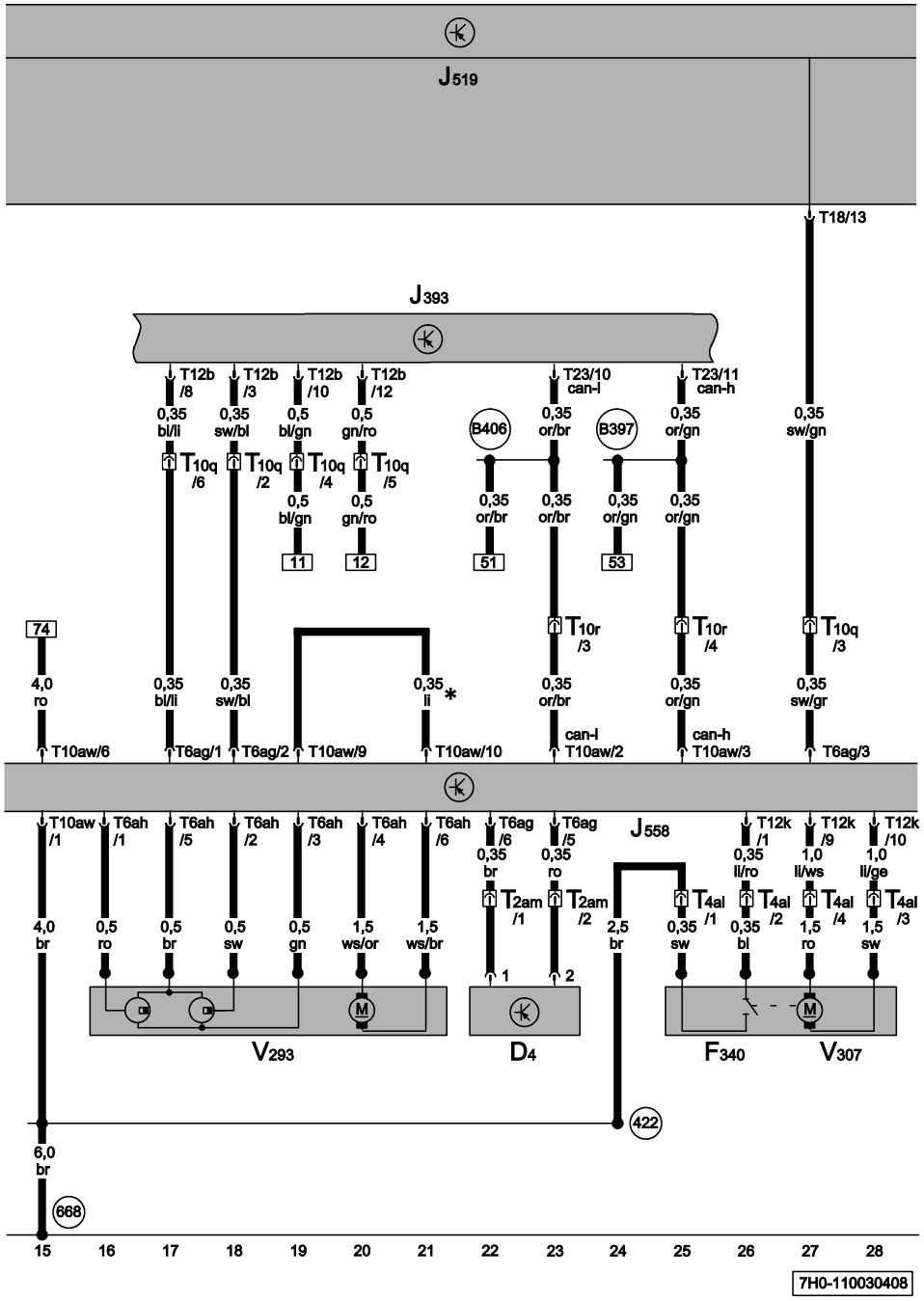
⇒ guided fault finding



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sliding door sender unit, sliding door control unit

D5	Sliding door solenoid coil
E254	Childproof lock switch
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F274	Rear left door exterior handle switch
F353	Left sliding door contact strip
F398	Interior door handle switch for opening rear left door
F399	Interior door handle switch for closing rear left door
G408	Anti-trapping sensor
G477	Sliding door sender unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2n	2-pin connector
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8f	8-pin connector
T12k	12-pin connector
V115	Rear left door central locking motor
V422	Rear left rotary latch motor
350	Earth connection 2, in rear left door wiring harness
420	Earth connection 1, in left sliding door wiring harness

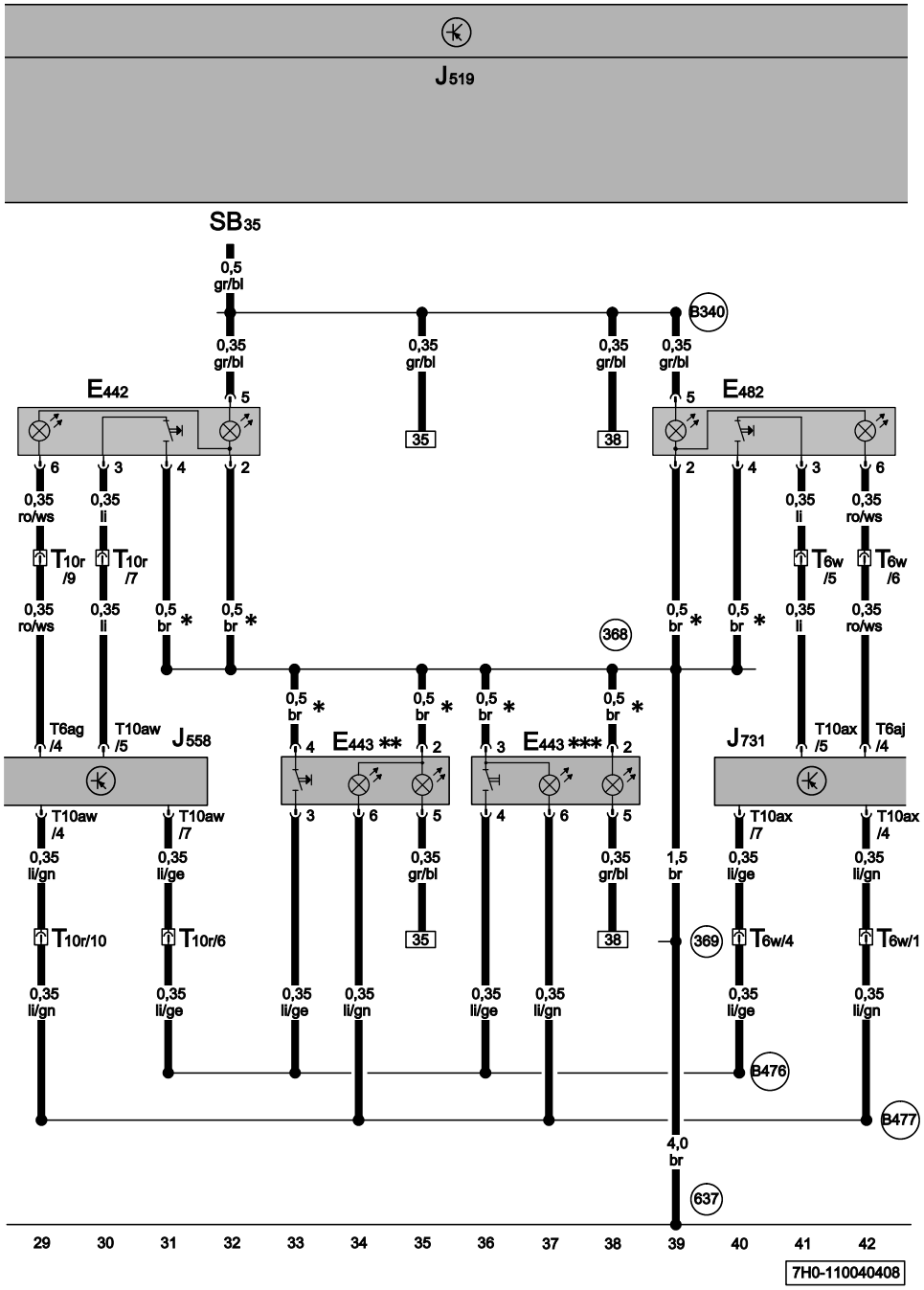
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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Sliding door reader coil, sliding door opening motor, rear left power latching motor, sliding door control unit

D4	Sliding door reader coil
F340	Rear left door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2am	2-pin connector, black, under roof, near left B-pillar
T4al	4-pin connector, black, on left C-pillar
T6ag	6-pin connector
T6ah	6-pin connector, light-brown
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T12b	12-pin connector
T12k	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
V293	Sliding door opening motor
V307	Rear left door power latching motor
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	Left sliding door coding link

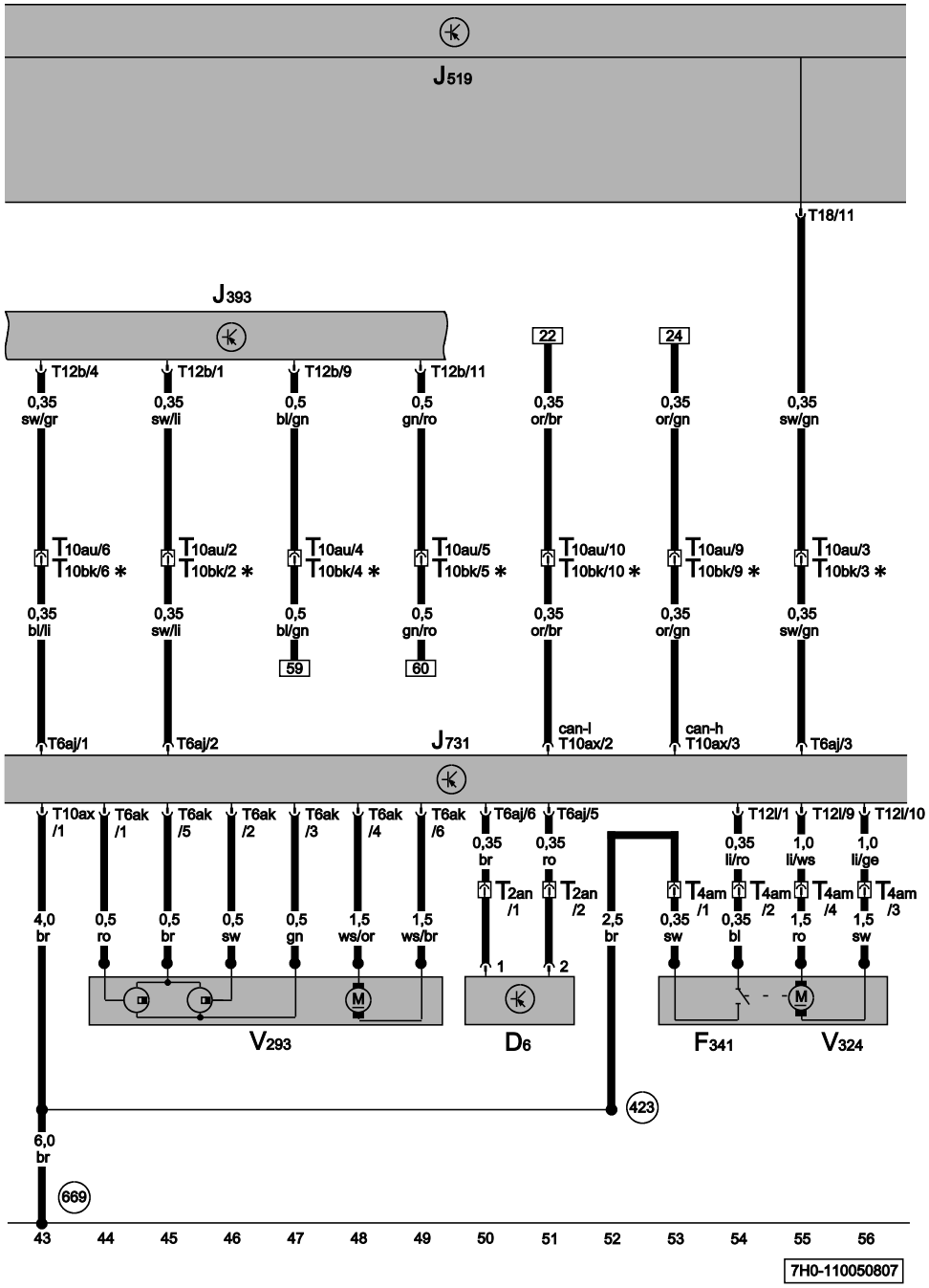
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Sliding door button, button to deactivate sliding door, left and right sliding door control unit

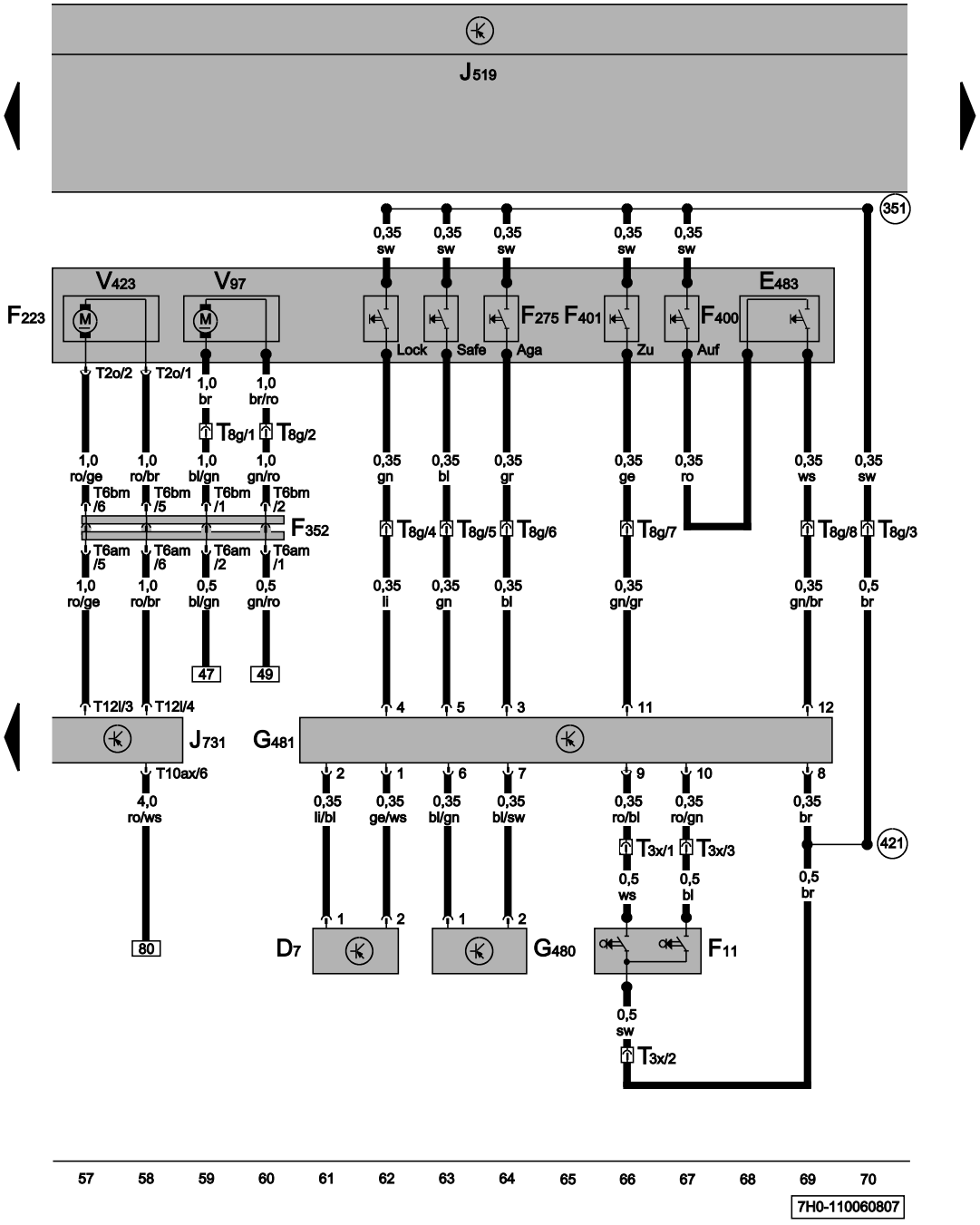
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
SB35	Fuse 35 on fuse holder B
T6w	6-pin connector, light-pink, coupling station under front passenger seat
T6ag	6-pin connector
T6aj	6-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T10ax	10-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B476	Connection 12 in main wiring harness
B477	Connection 13 in main wiring harness
*	cross-section depends on equipment
**	applicable up to December 2004
***	applicable from January 2005



Right sliding door reader coil, sliding door opening motor, sliding door power latching motor, right sliding door control unit

D6	Right sliding door reader coil
F341	Rear right door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2an	2-pin connector, black, under roof, near right B-pillar
T4am	4-pin connector, black, on right C-pillar
T6aj	6-pin connector
T6ak	6-pin connector
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T10ax	10-pin connector
T12b	12-pin connector
T12l	12-pin connector
T18	18-pin connector, black
V293	Sliding door opening motor
V324	Sliding door power latching motor
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar
*	applicable from January 2005

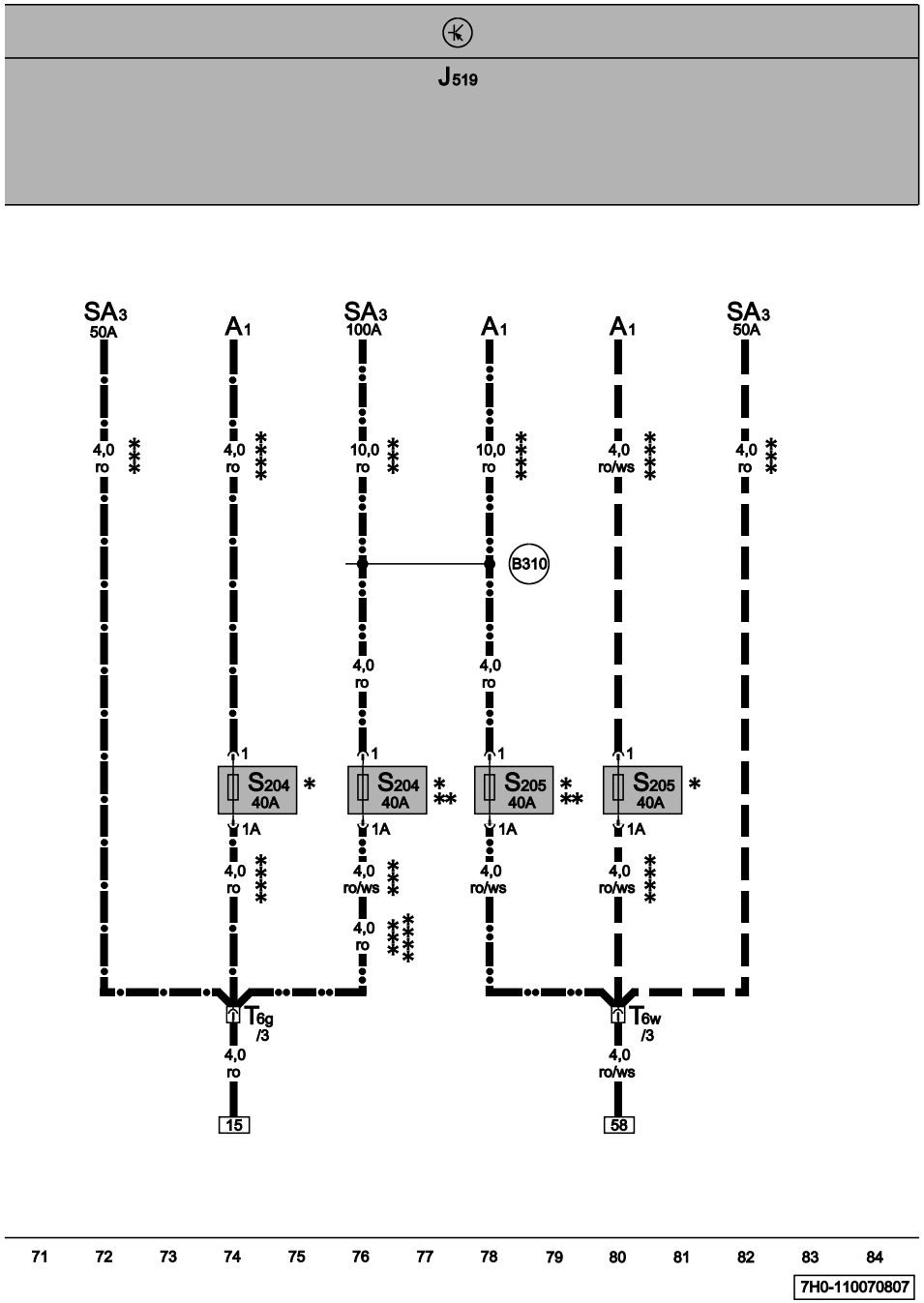
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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sender unit and right sliding door control unit

D7	Right sliding door solenoid coil
E483	Right childproof lock switch
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F352	Right sliding door contact strip
F400	Interior door handle switch for opening rear right door
F401	Interior door handle switch for closing rear right door
G480	Right anti-trapping sensor
G481	Right electric sliding door sender unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2o	2-pin connector
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T8g	8-pin connector
T10ax	10-pin connector
T12l	12-pin connector
V97	Rear right door central locking motor
V423	Rear right rotary latch motor
351	Earth connection 2, in rear right door wiring harness
421	Earth connection 1, in right sliding door wiring harness

ws	=	white
sw	=	black
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuse 3 on fuse holder battery, second battery, fuse 1 (30), fuse 2 (30)

A1	Second battery
J519	Onboard supply control unit
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations
**	on relay carrier (2) cockpit ⇒ Fitting Locations
***	for models without second battery only
****	applicable up to December 2005, for models with second battery only

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for models with left sliding door only

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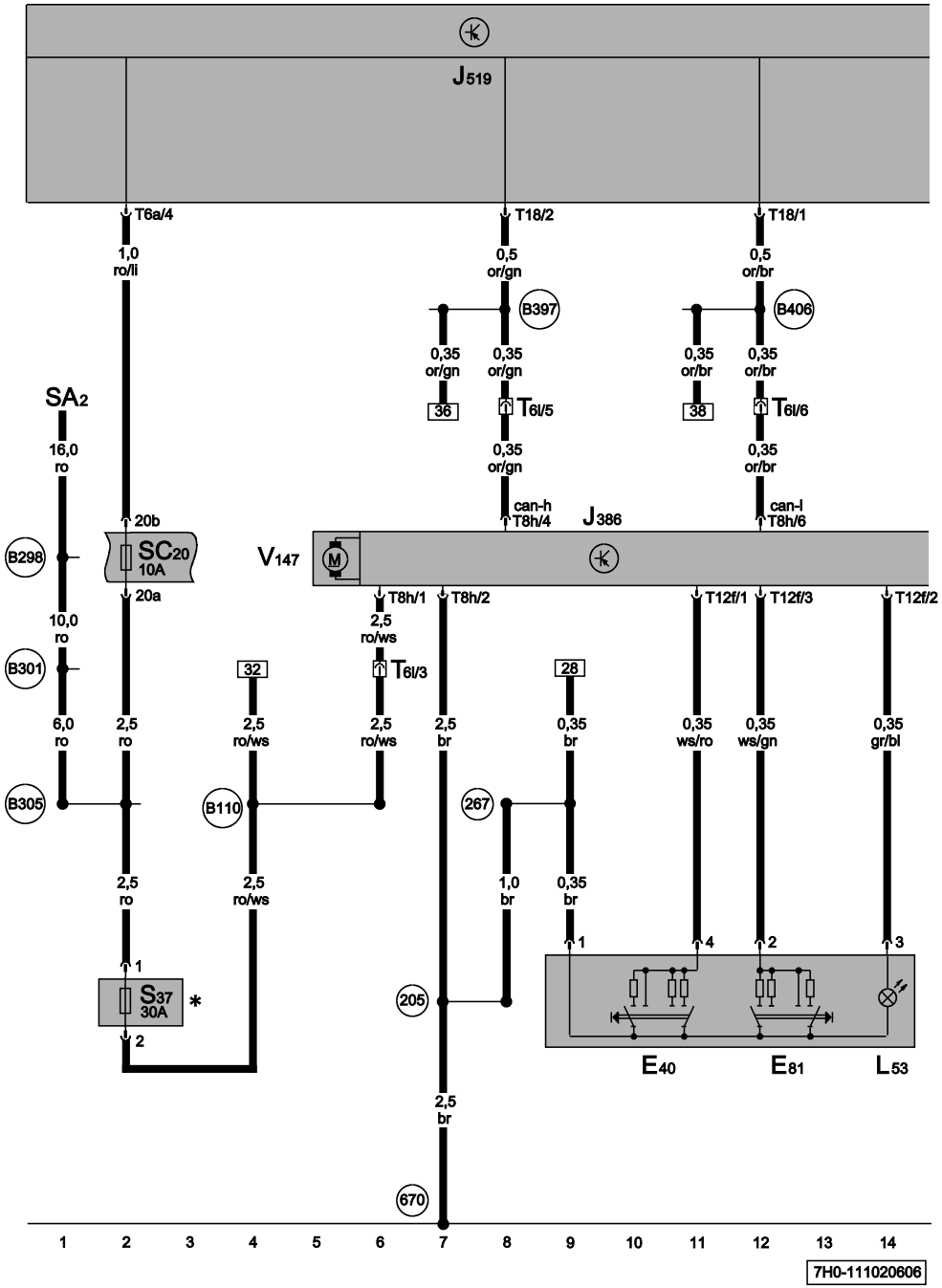
Exterior mirror, electric

⇒ **Window regulator, electric**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

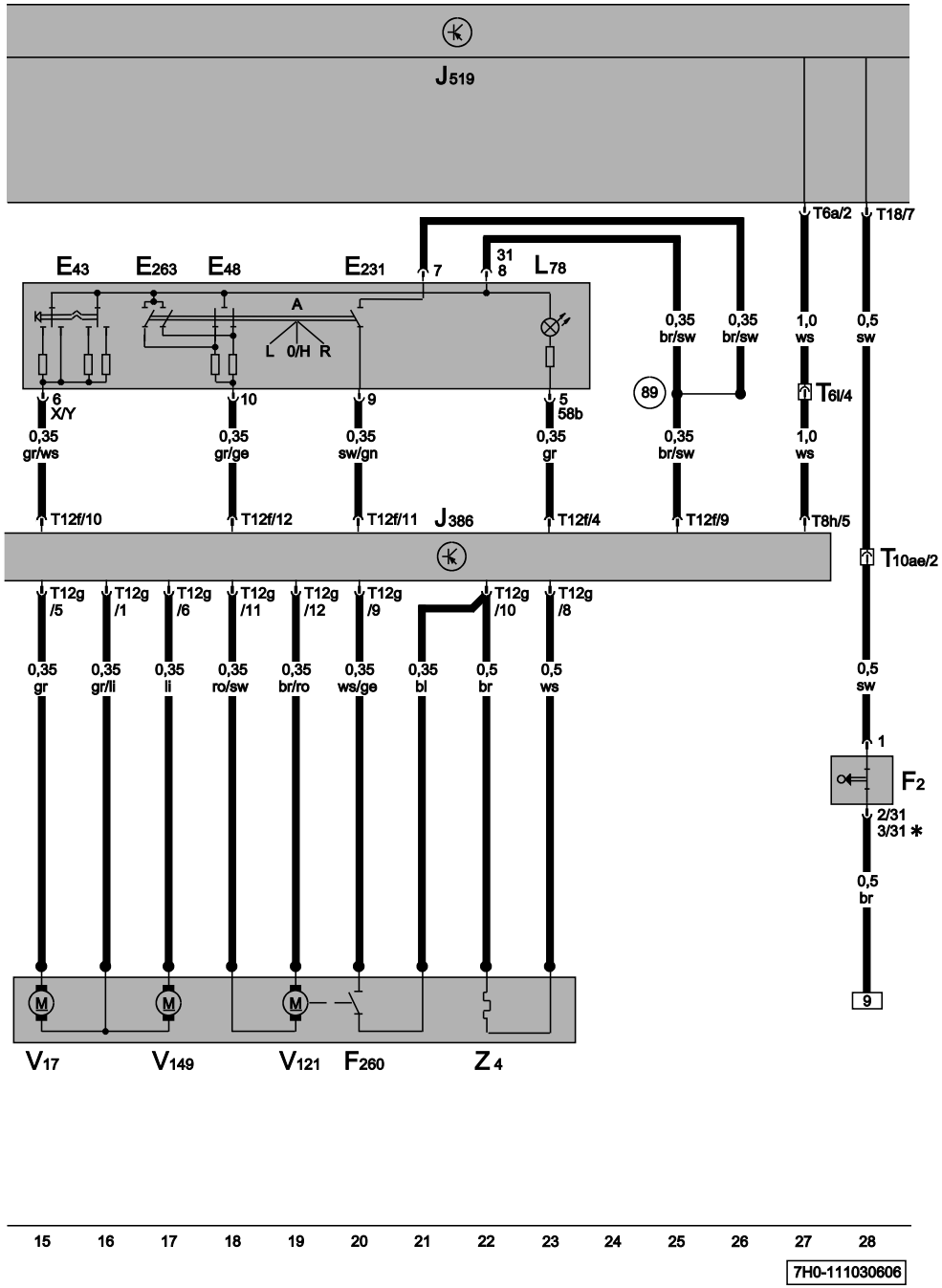
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Front left and right window regulator switch in driver door, window regulator single fuse, driver door control unit, convenience CAN bus

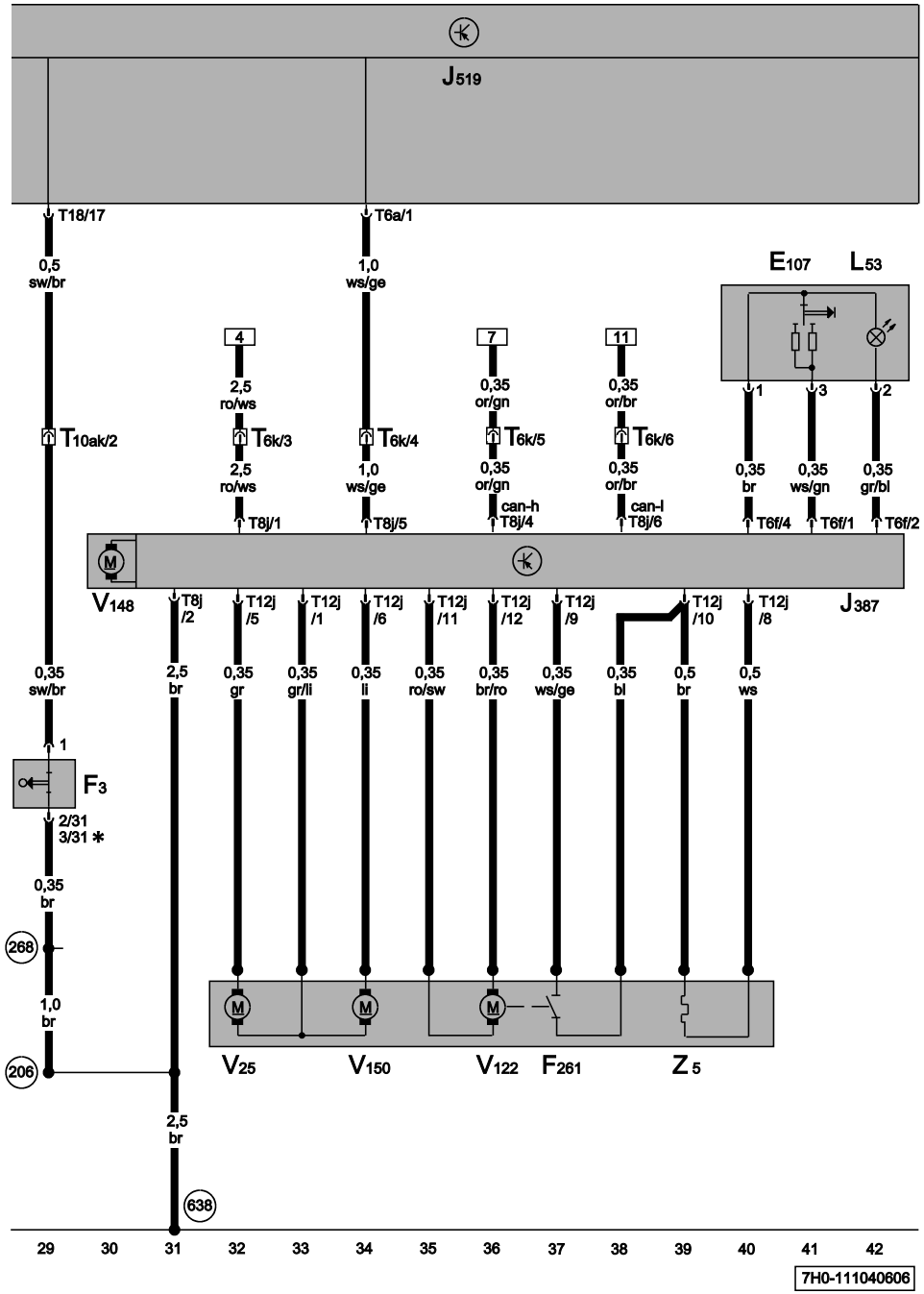
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SA2	Fuse 2 on fuse holder A
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T12f	12-pin connector
T18	18-pin connector, black
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	on relay carrier (1) cockpit, ⇒ Fitting locations



Mirror adjustment switch, driver door control unit, driver side mirror adjustment motor, driver side heated exterior mirror, mirror fold-in feature system switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Mirror fold-in feature system switch
F2	Driver door contact switch
F260	Driver side mirror fold-in feature contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T10ae	10-pin connector, black, coupling station on left of A-pillar
T12f	12-pin connector
T12g	12-pin connector
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side folding mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness
*	applicable from June 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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ro = red
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rs = pink

Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

E107	Window regulator switch in front passenger door
F3	Front passenger door contact switch
F261	Front passenger side mirror fold-in feature contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T6k	6-pin connector, brown, coupling station on right of A-pillar
T8j	8-pin connector
T10ak	10-pin connector, black, coupling station on right of A-pillar
T12j	12-pin connector
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side folding mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	applicable from June 2004

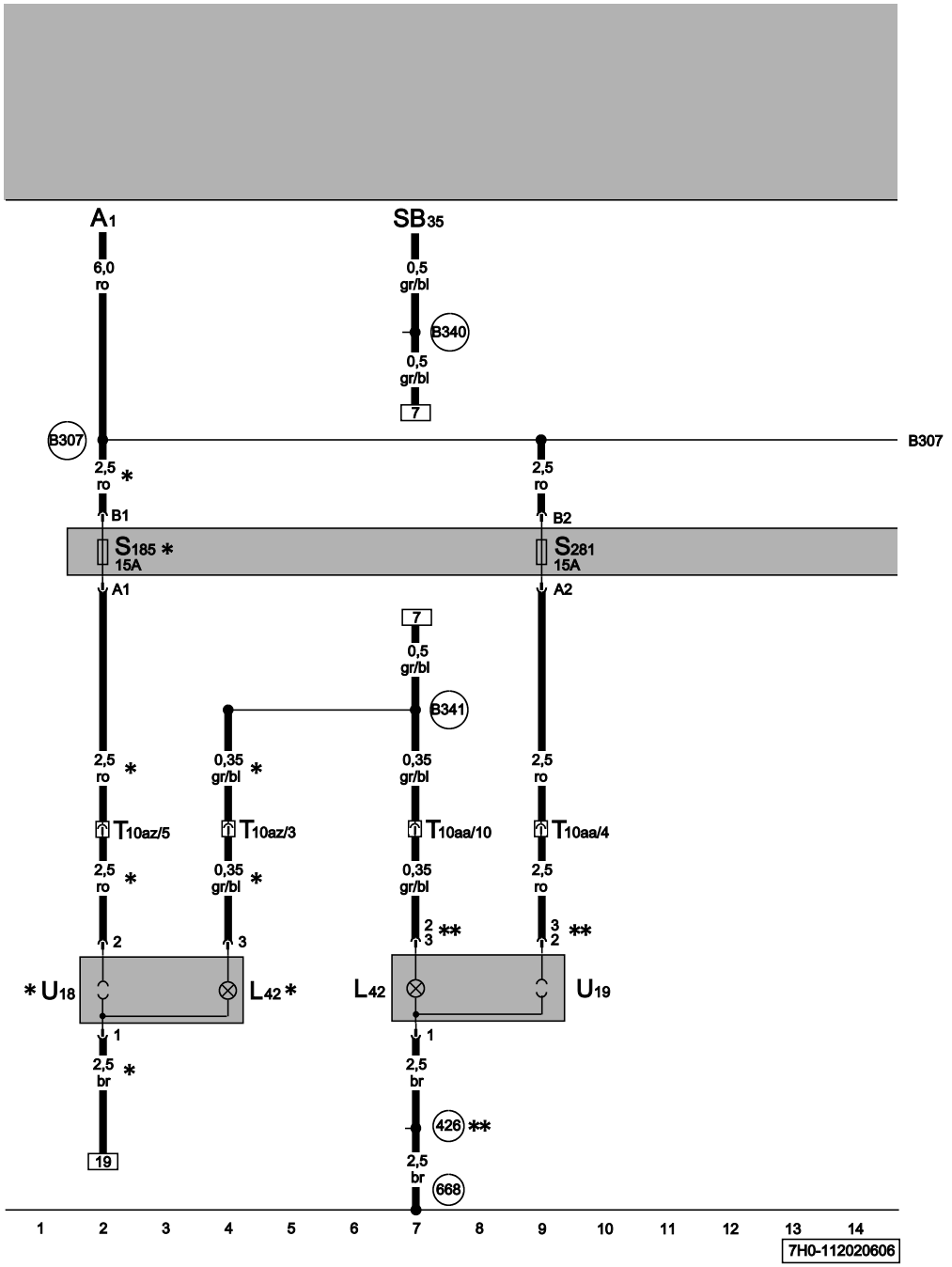
12 V sockets

⇒ **for models with second battery only**
⇒ **Multivan, camper, shuttle**
⇒ **Refrigerator box**
from June 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

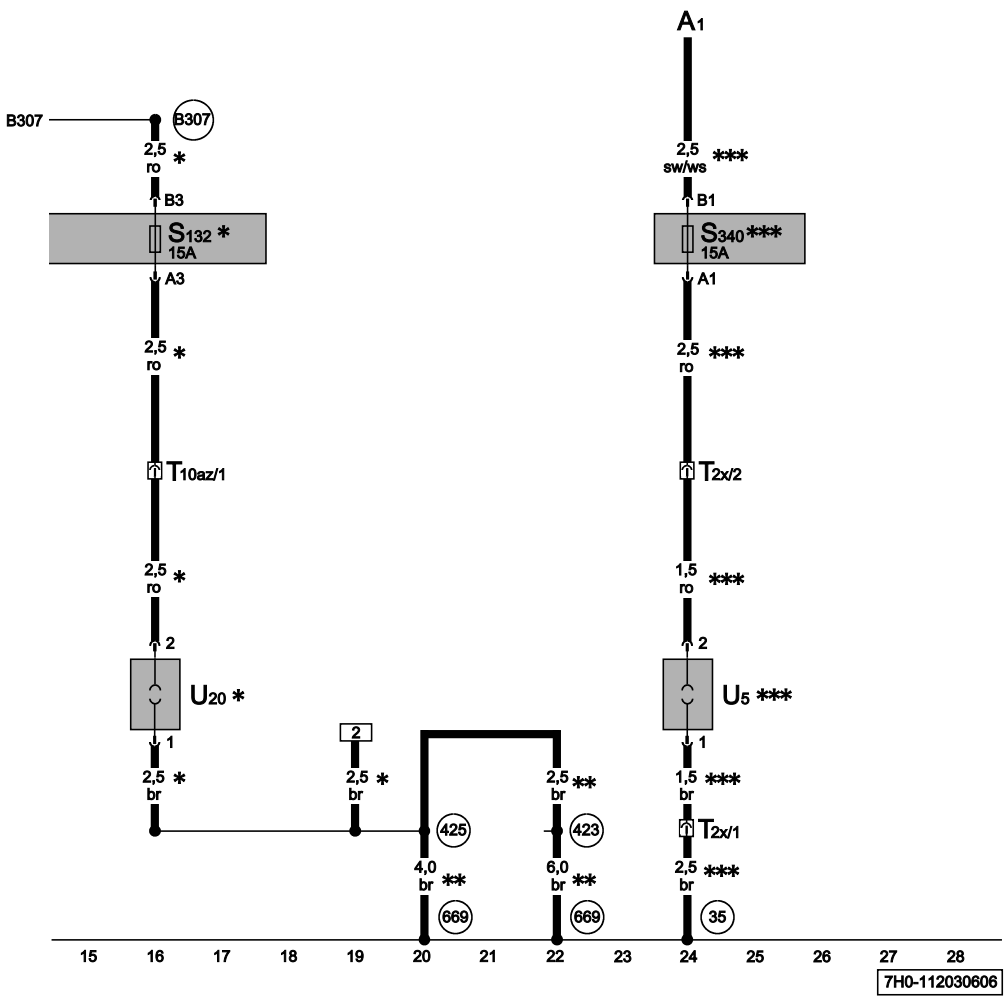
⇒ guided fault finding



Fuses, 12 V sockets

A1	Second battery
L42	Socket illumination bulb
S185	Electric socket 2 fuse
S281	Electric socket 3 fuse
SB35	Fuse 35 on fuse holder
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U19	12 V socket 3
426	Earth connection 3, in left rear end wiring harness
668	Earth point 2, left D-pillar
B307	Positive connection 11 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	multivan and camper only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses, refrigerator box fuse, 12 V socket

A1	Second battery
S132	Fuse 2
S340	Cool box fuse
T2x	2-pin connector, black, under front passenger seat
T10az	10-pin connector, white, coupling station under front passenger seat
U5	12 V socket
U20	12 V socket 4
35	Earth point, under front passenger seat
423	Earth connection 1, in right rear end wiring harness
425	Earth connection 2, in right rear end wiring harness
669	Earth point 2, right D-pillar
B307	Positive connection 11 (30), in main wiring harness
*	For multivan and camper only
**	depends on equipment
***	for models with refrigerator box only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

Day driving light

from April 2004

Notes:

For information concerning

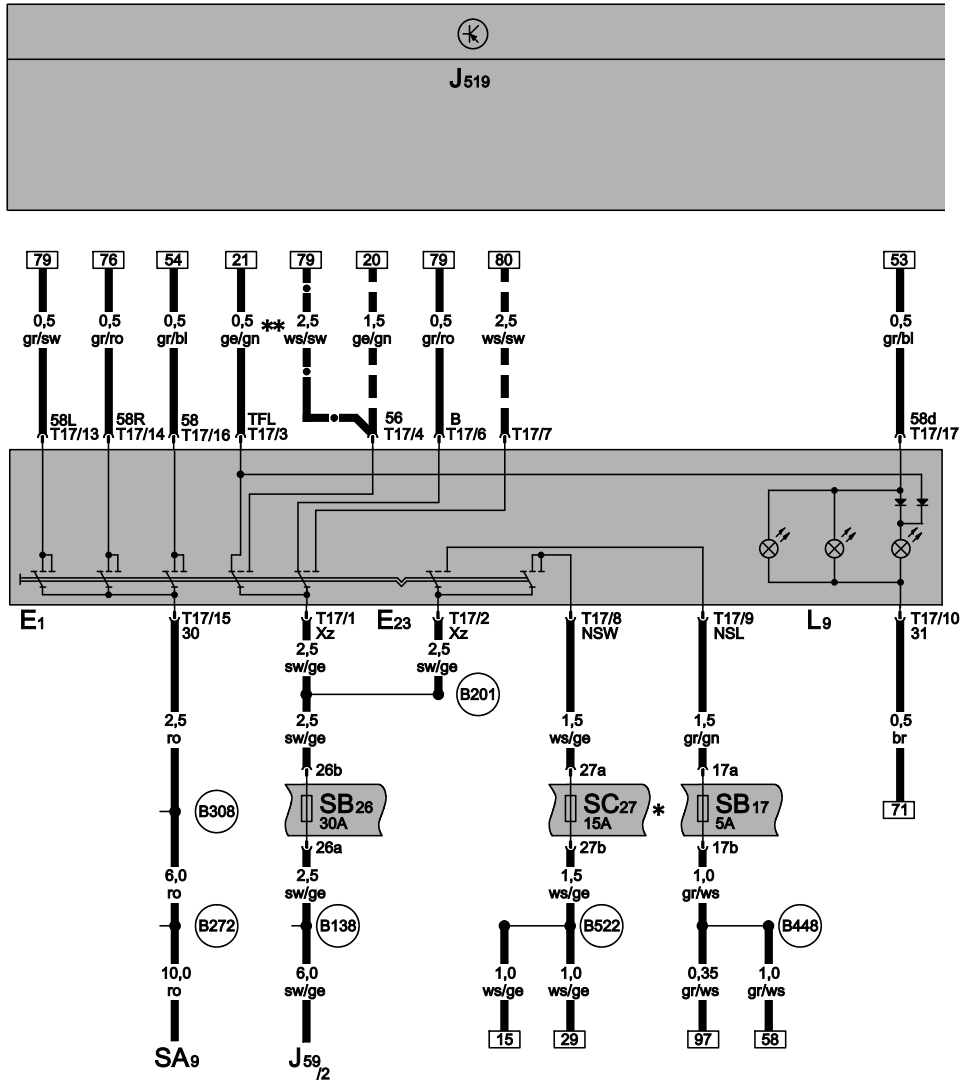
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

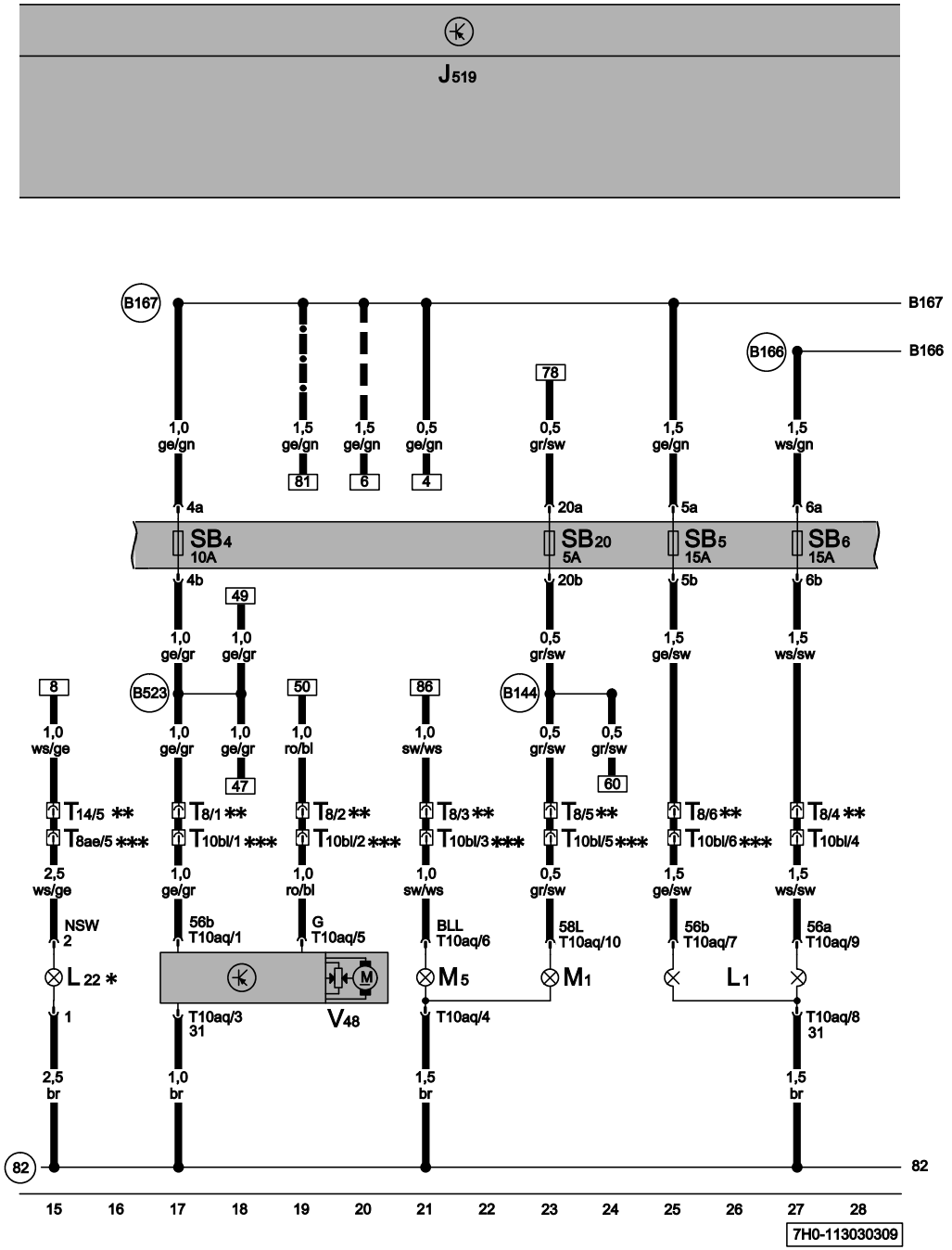
- Fault Finding Programs

⇒ guided fault finding



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
SC27	Fuse 27 on fuse holder C
T17	17-pin connector
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B448	Connection (rear fog light), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
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<fo:external-graphic src="../PDOC/	For multivan or camper Comfortline only



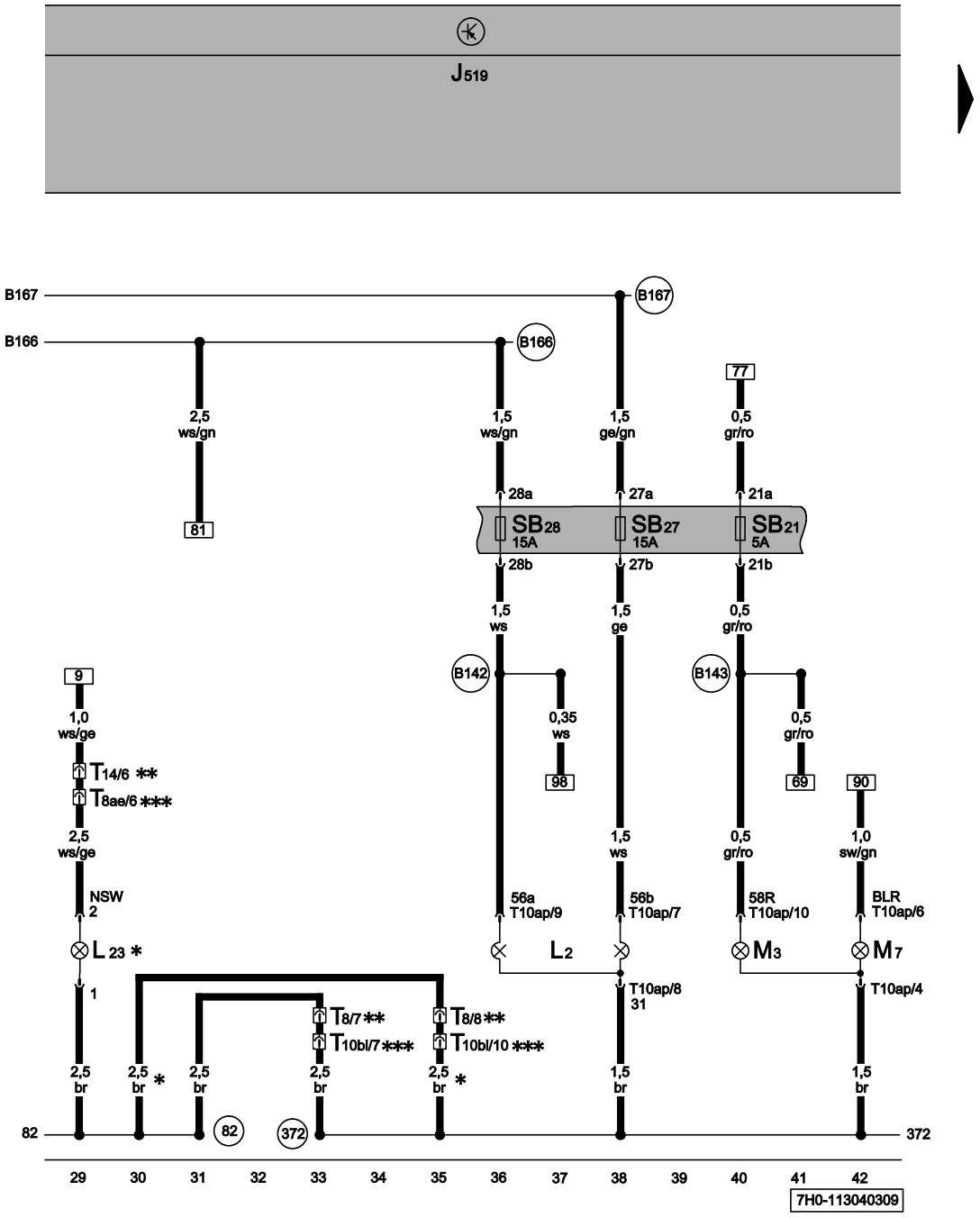
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Left twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor, left fog light bulb

J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T8ae	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	for models with front fog light only
**	applicable up to December 2004
***	applicable from January 2005
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

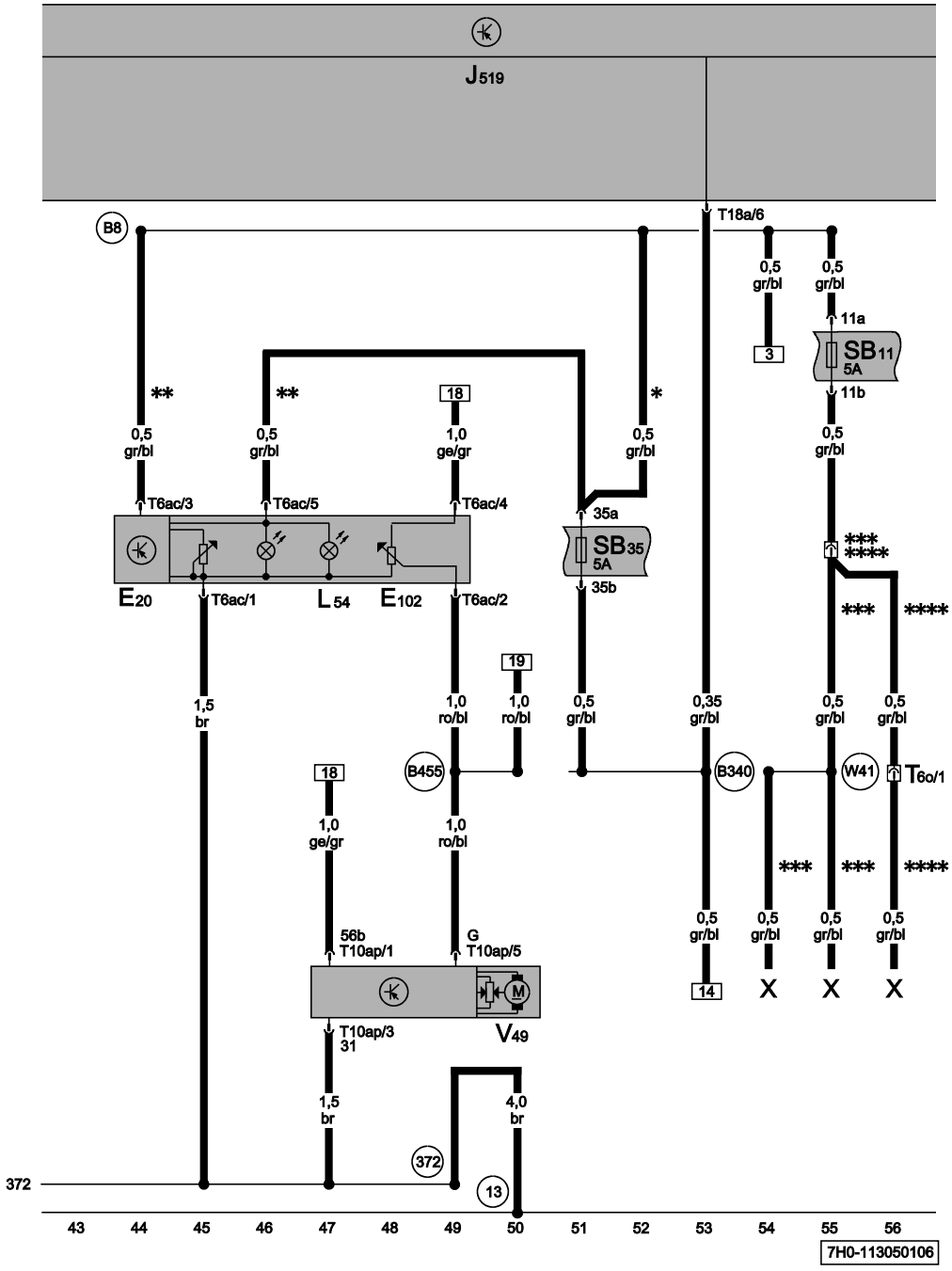
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, right fog light bulb

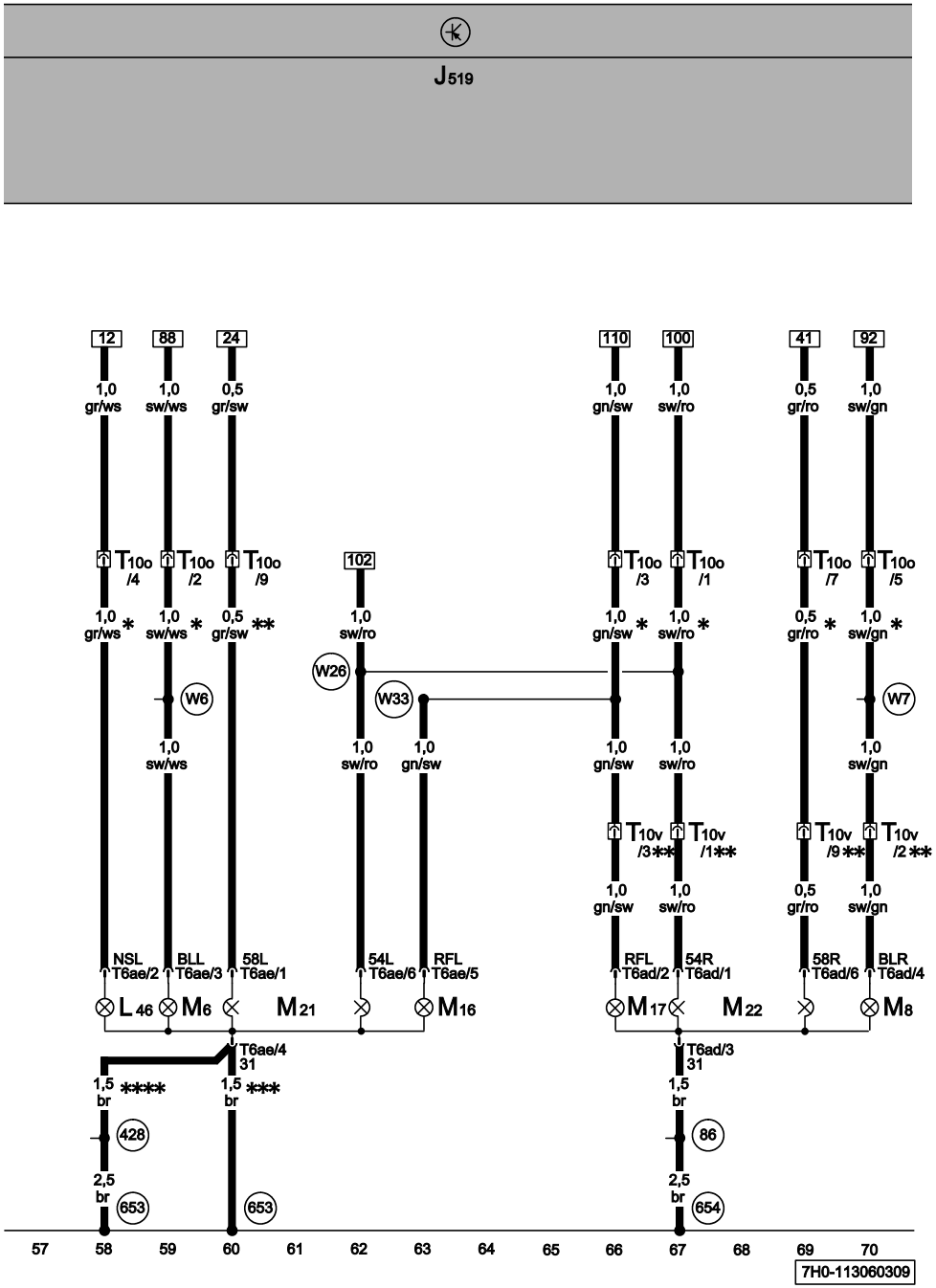
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
*	for models with front fog light only
**	applicable up to December 2004
***	applicable from January 2005



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light

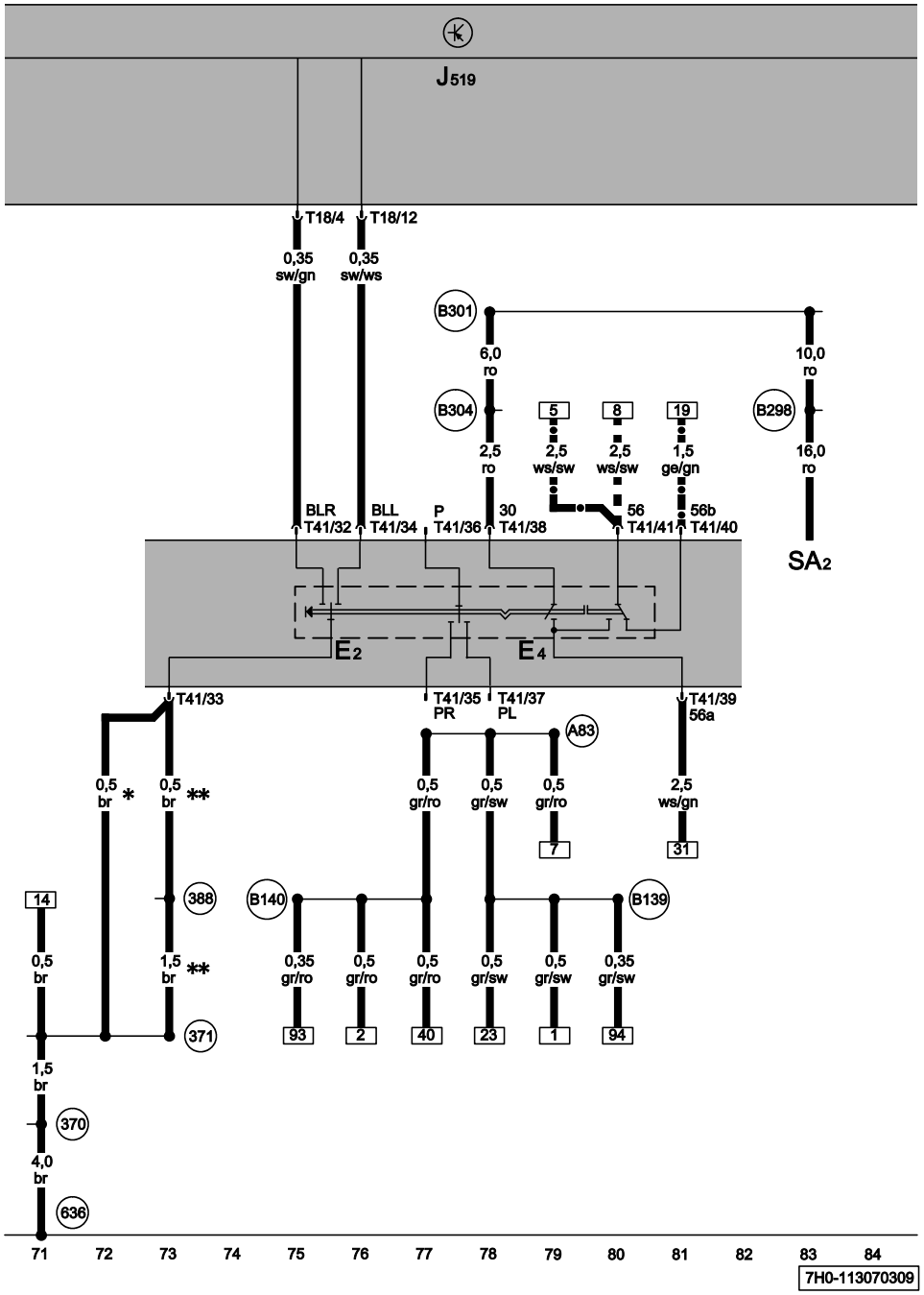
E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6o	6-pin connector, red, coupling station on left of D-pillar
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	⇒ tail lights plank bed Current Flow Diagram
****	⇒ basic equipment/ rear wing doors Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left and right brake and tail light bulb, rear left and right turn signal bulb, reversing light, rear fog light

J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10v	10-pin connector, blue, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	not for double cab and plank bed vehicles
**	is dropped from January 2005
***	applicable up to December 2005
****	applicable from January 2006



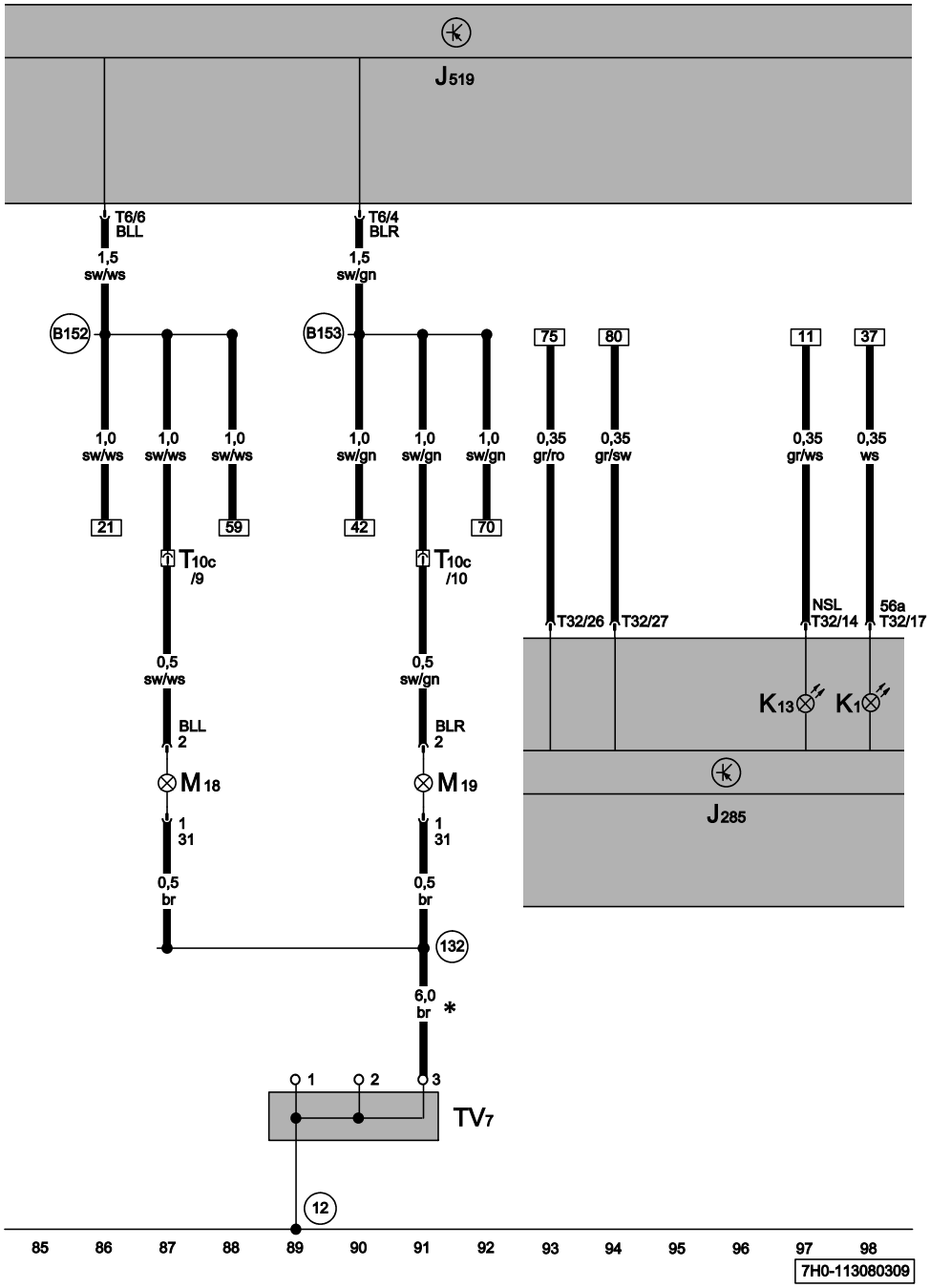
Onboard supply control unit, turn signal switch, headlight dipper/flasher switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
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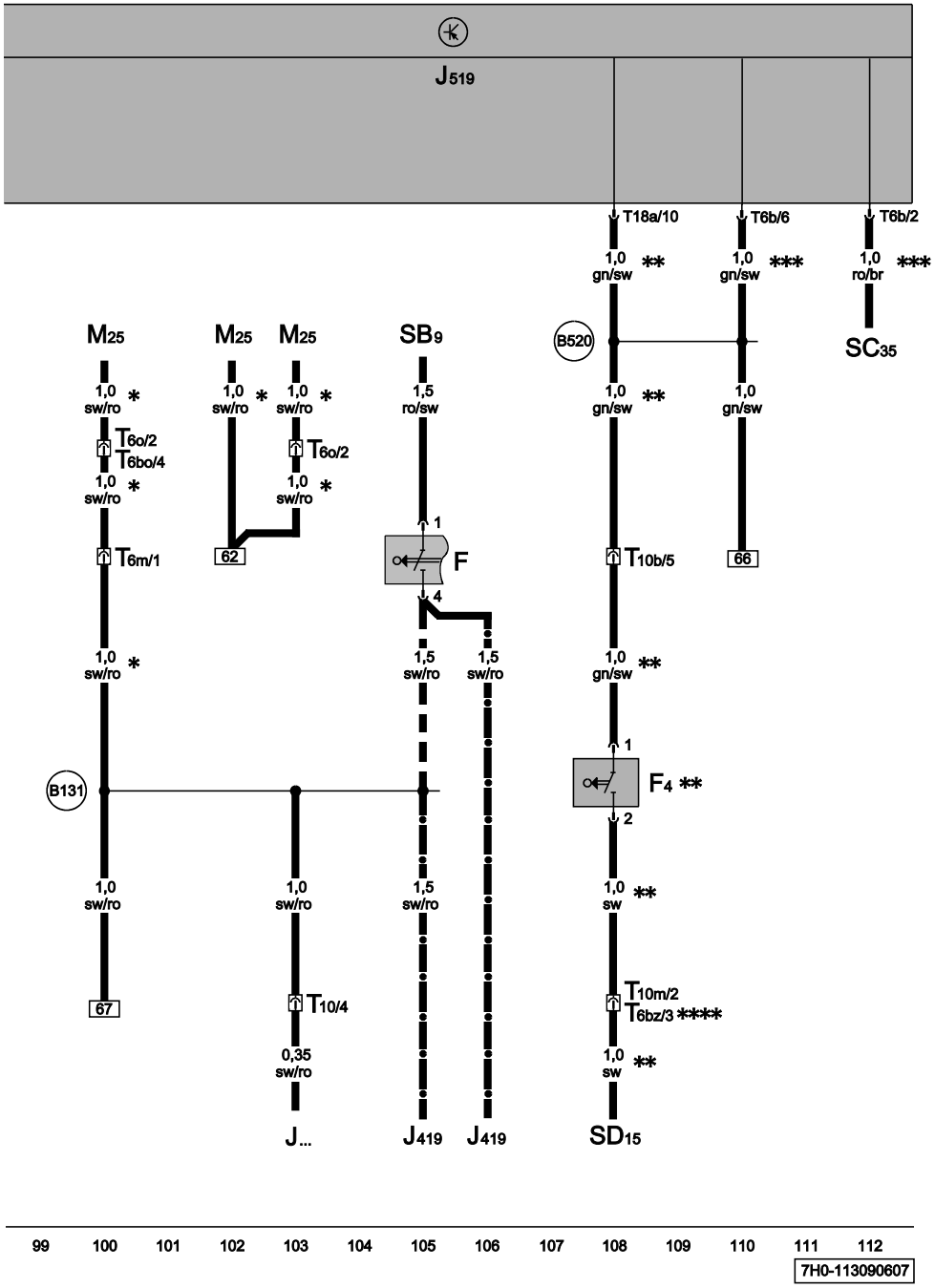
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, warning lamps, side mounted turn signal bulbs

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 4.0 possible

ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J...	Engine control units
J419	Brake light additional relay
J519	Onboard supply control unit
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ basic equipment/ rear wing doors Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
****	applicable from June 2004
<fo:exter	for models with ABS, TCS and EDL only

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Headlight - multivan and camper

from April 2004

Notes:

For information concerning

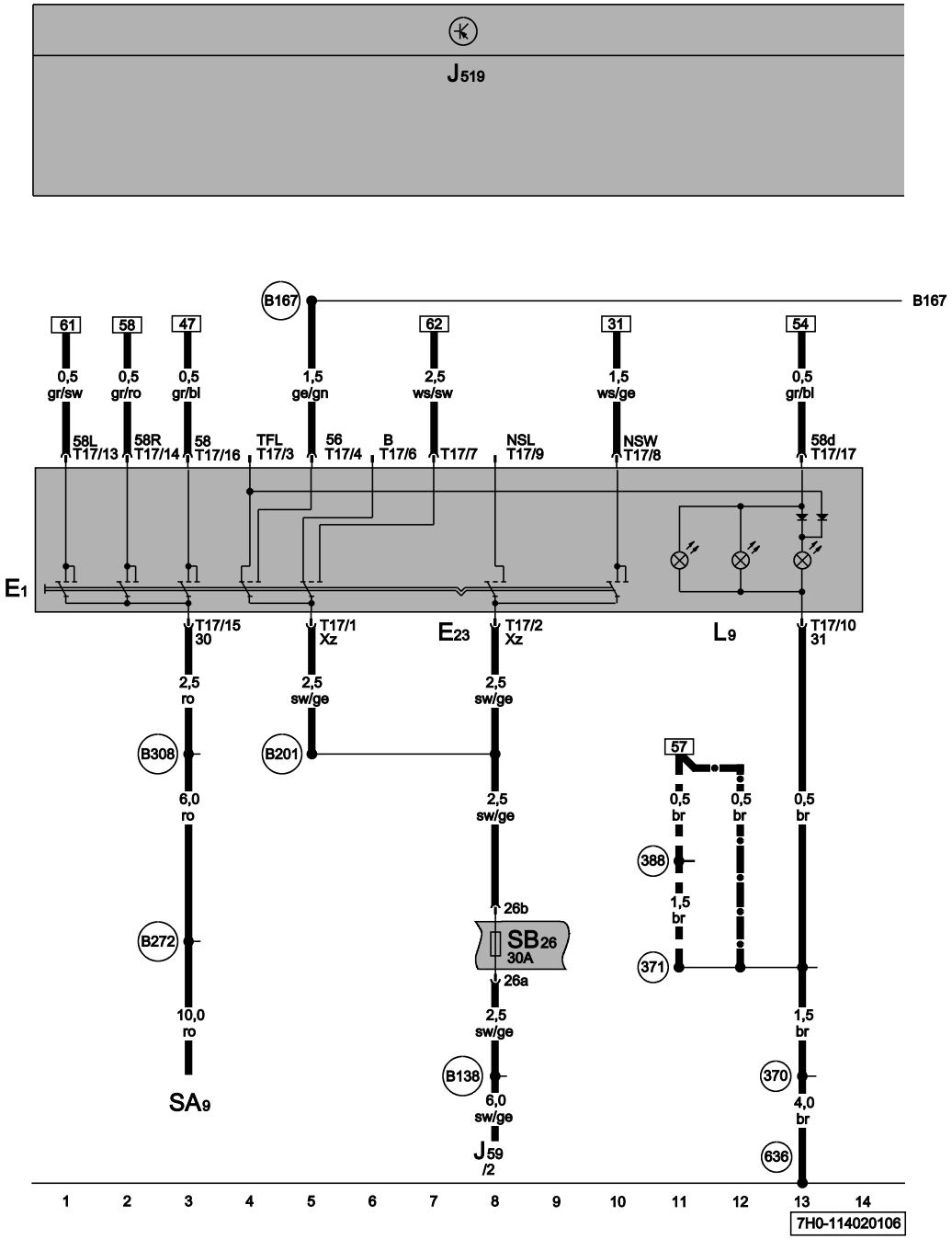
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Lighting switch, front and rear fog light switch, fuse SB26

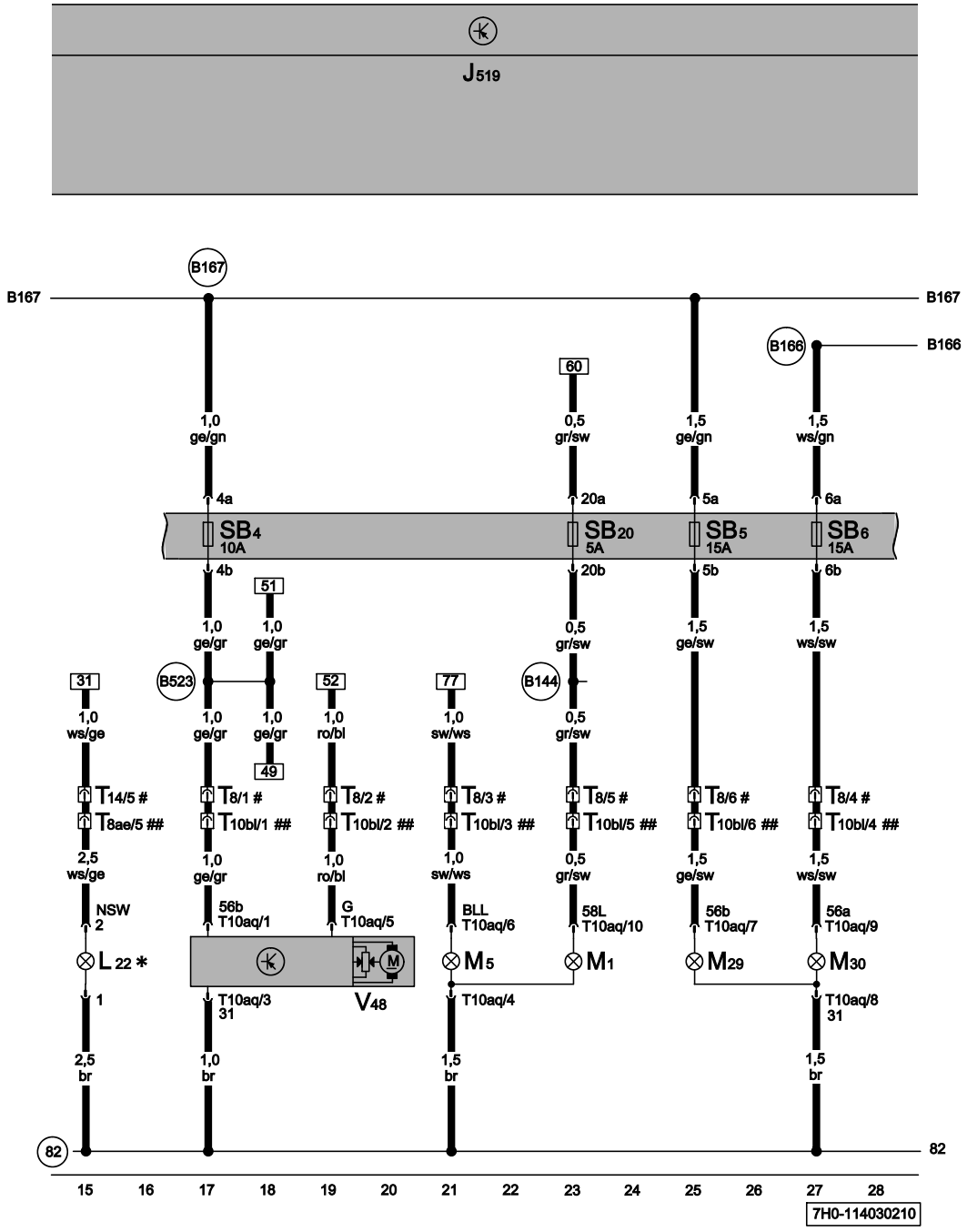
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness

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ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

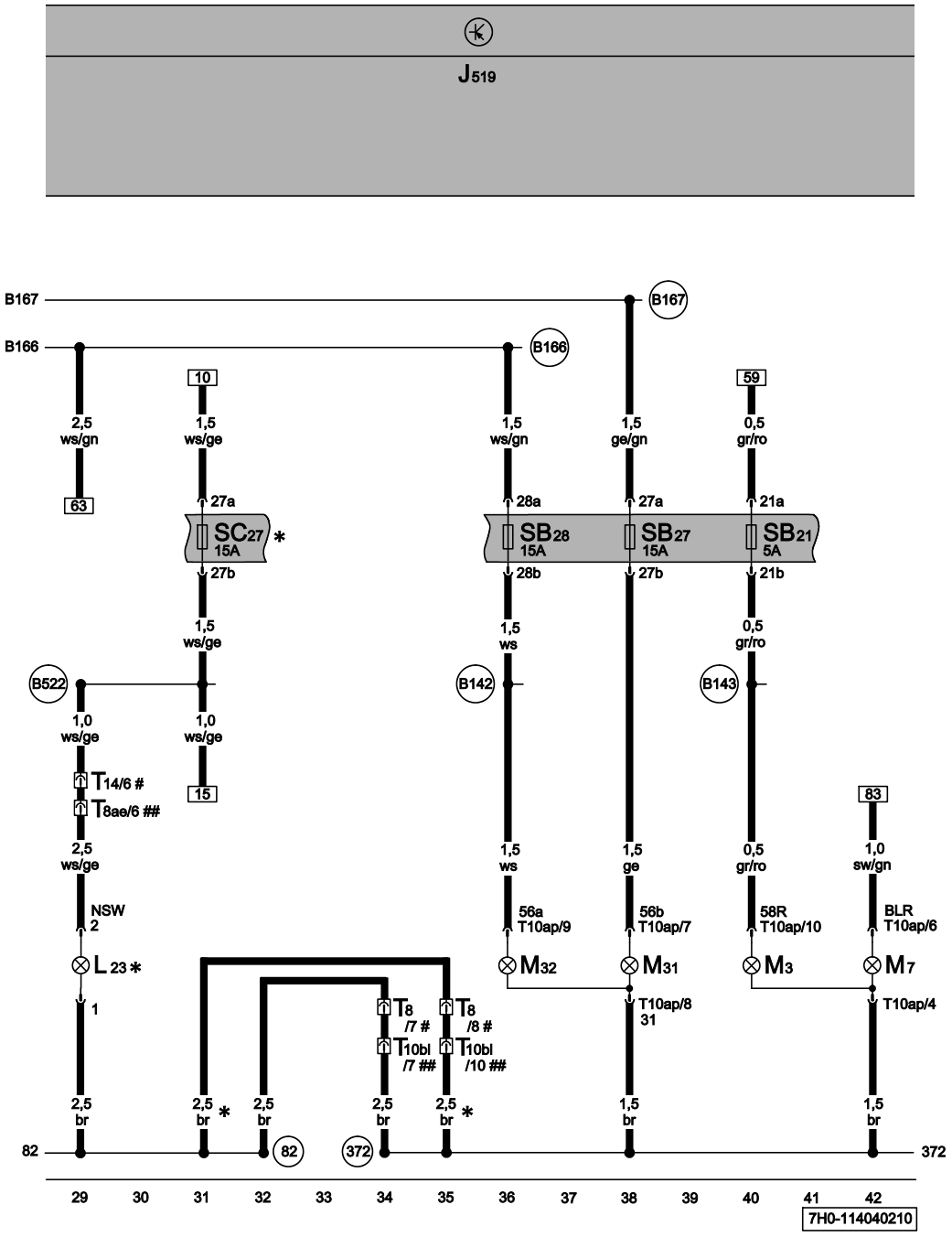
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, dipped beam bulb, main beam bulb, left headlight range control motor, side light bulb, front left turn signal bulb

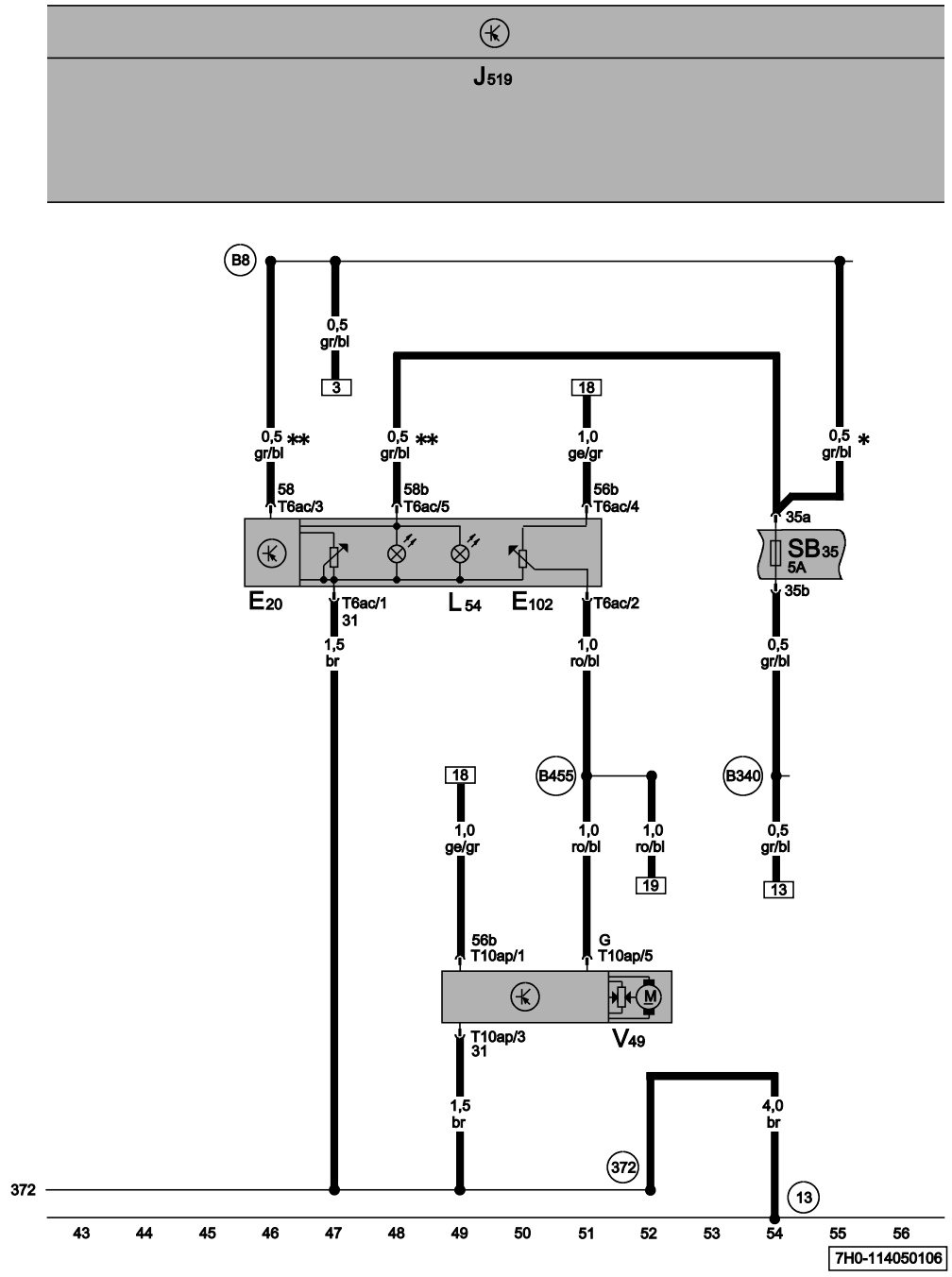
J519	Onboard supply control unit
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T8ae	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	for models with front fog light only
#	applicable up to December 2004
##	applicable from January 2005



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, dipped beam bulb, main beam bulb, right side light bulb, front right turn signal bulb

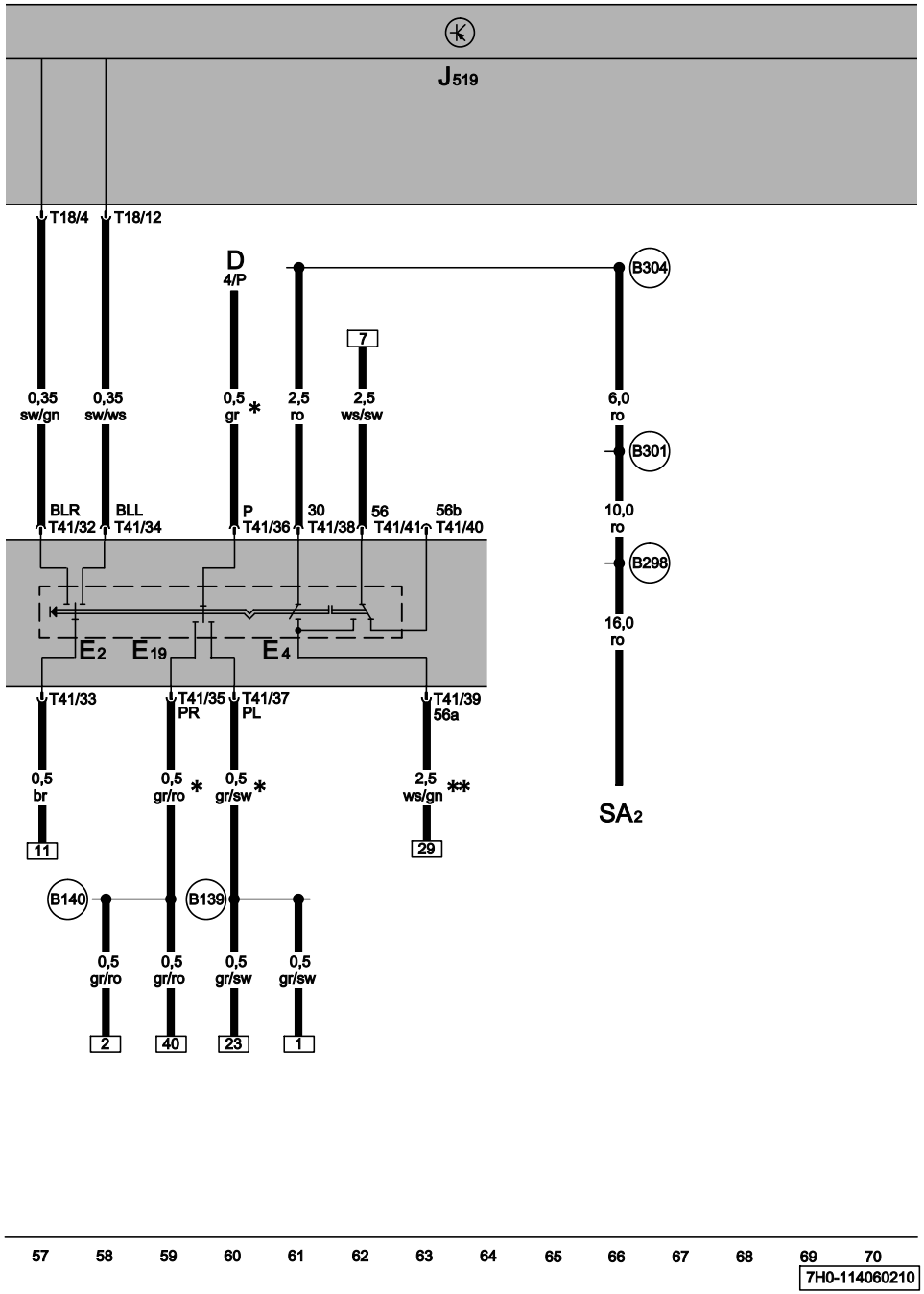
J519	Onboard supply control unit
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8	8-pin connector, black, near headlight, front right
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
#	applicable up to December 2004
##	applicable from January 2005



Fuse, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only

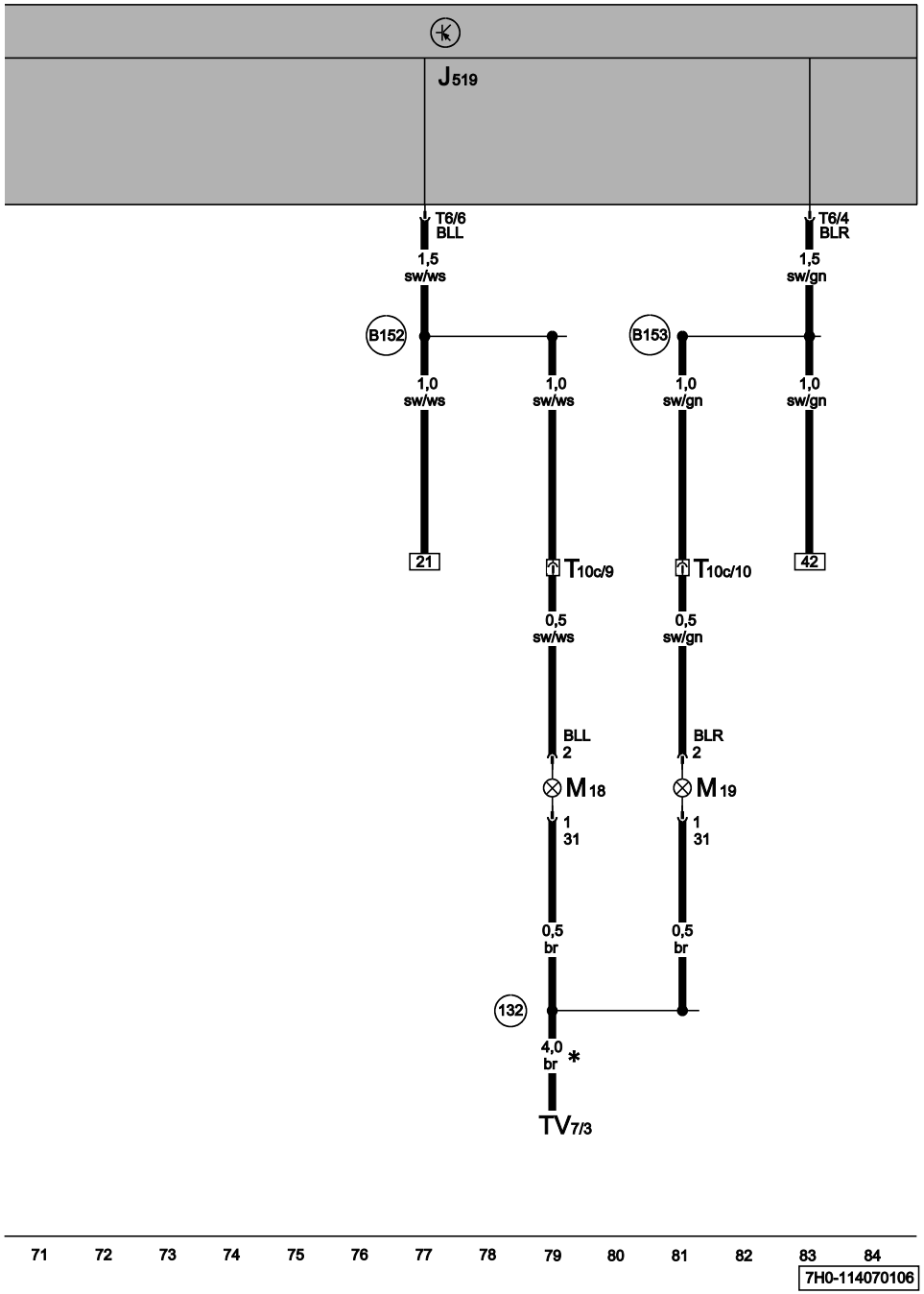
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 6.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

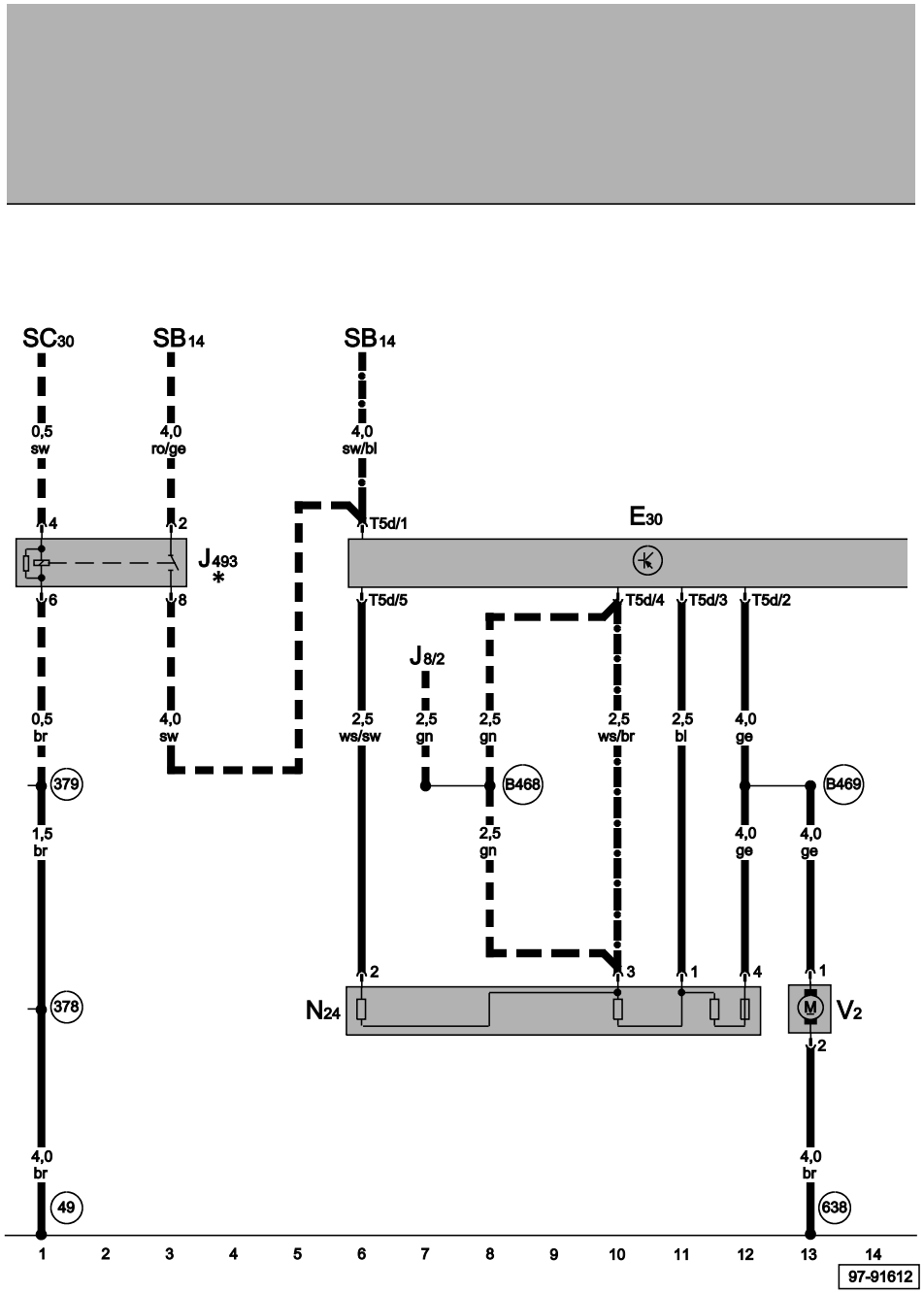
Air conditioning system - front, without 2nd heat exchanger

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Air conditioning system switch, fresh air blower series resistor with overheating fuse, fresh air blower, auxiliary coolant heater relay

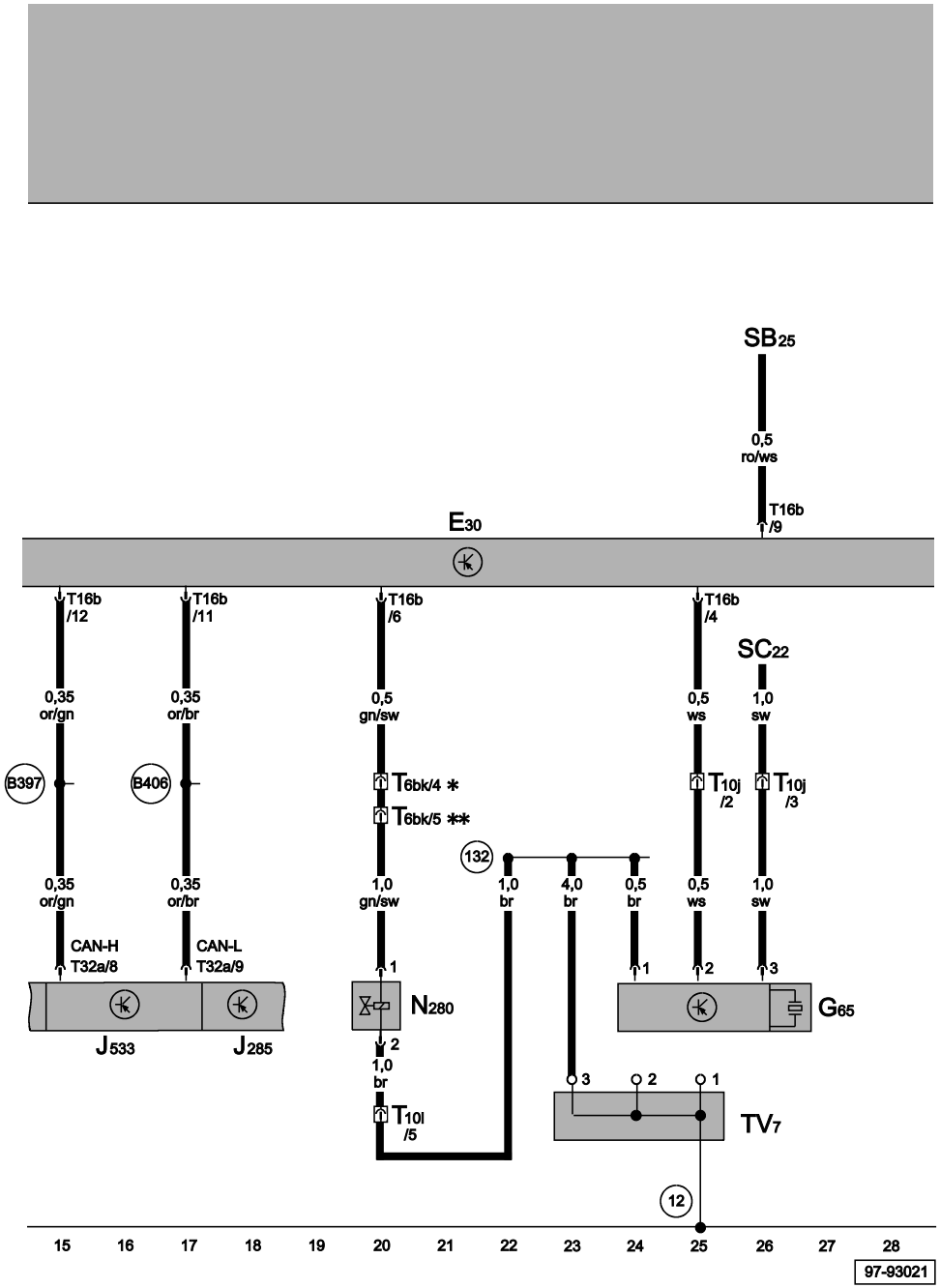
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4, in main wiring harness
B469	Connection 5, in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

<fo:exter for models with auxiliary coolant heater only
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uniform"/
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<fo:exter for models without auxiliary coolant heater only
nal-

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

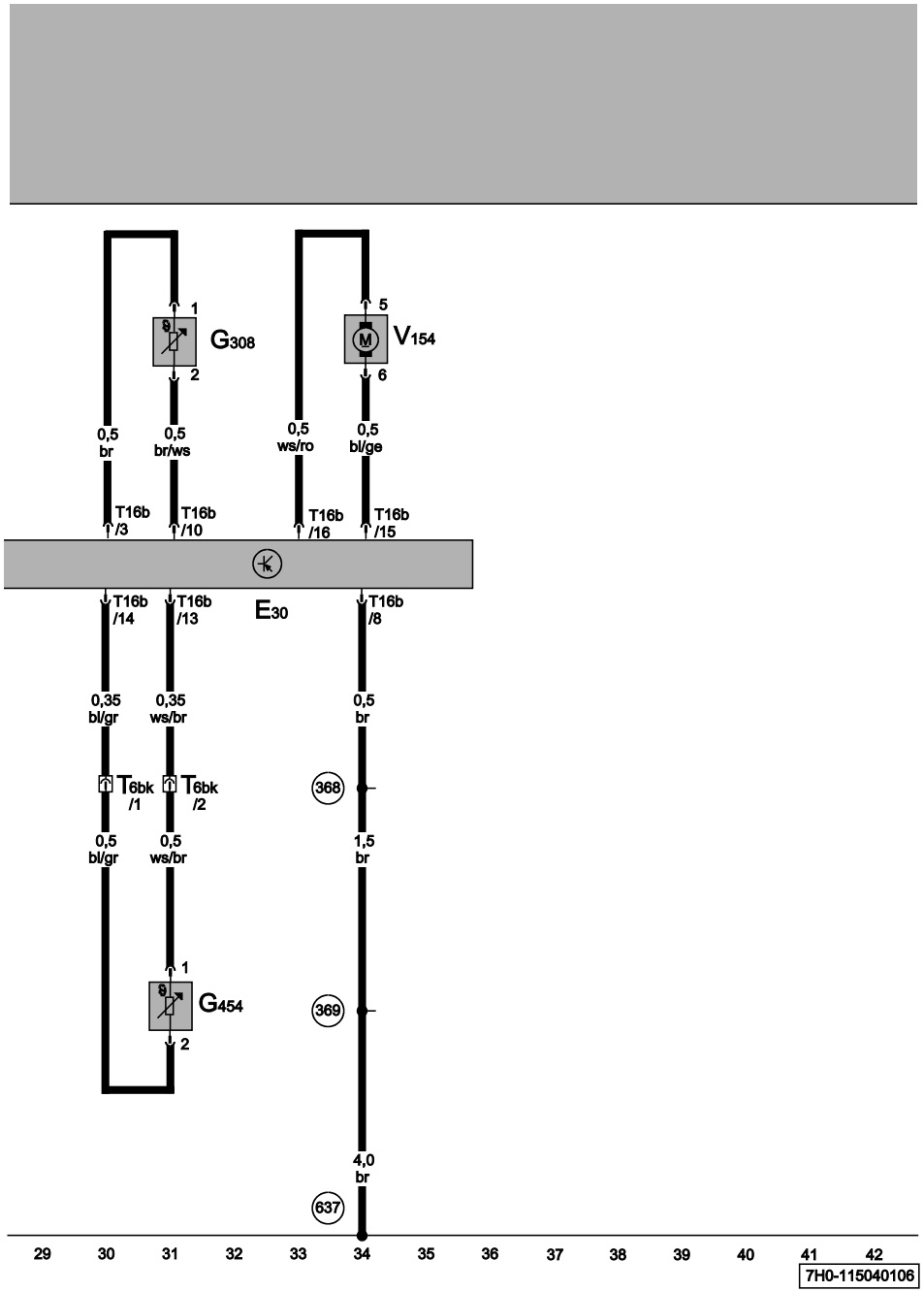
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Air conditioning system switch, high pressure sender, air conditioning system compressor regulating valve, data bus diagnostic interface



E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder
SC22	Fuse 22 on fuse holder
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Air conditioning system switch, evaporator temperature sensor, refrigerant temperature sender, fresh air/ recirculated air flap control motor

E30	Air conditioning system switch
G308	Evaporator temperature sensor
G454	Refrigerant temperature sender
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

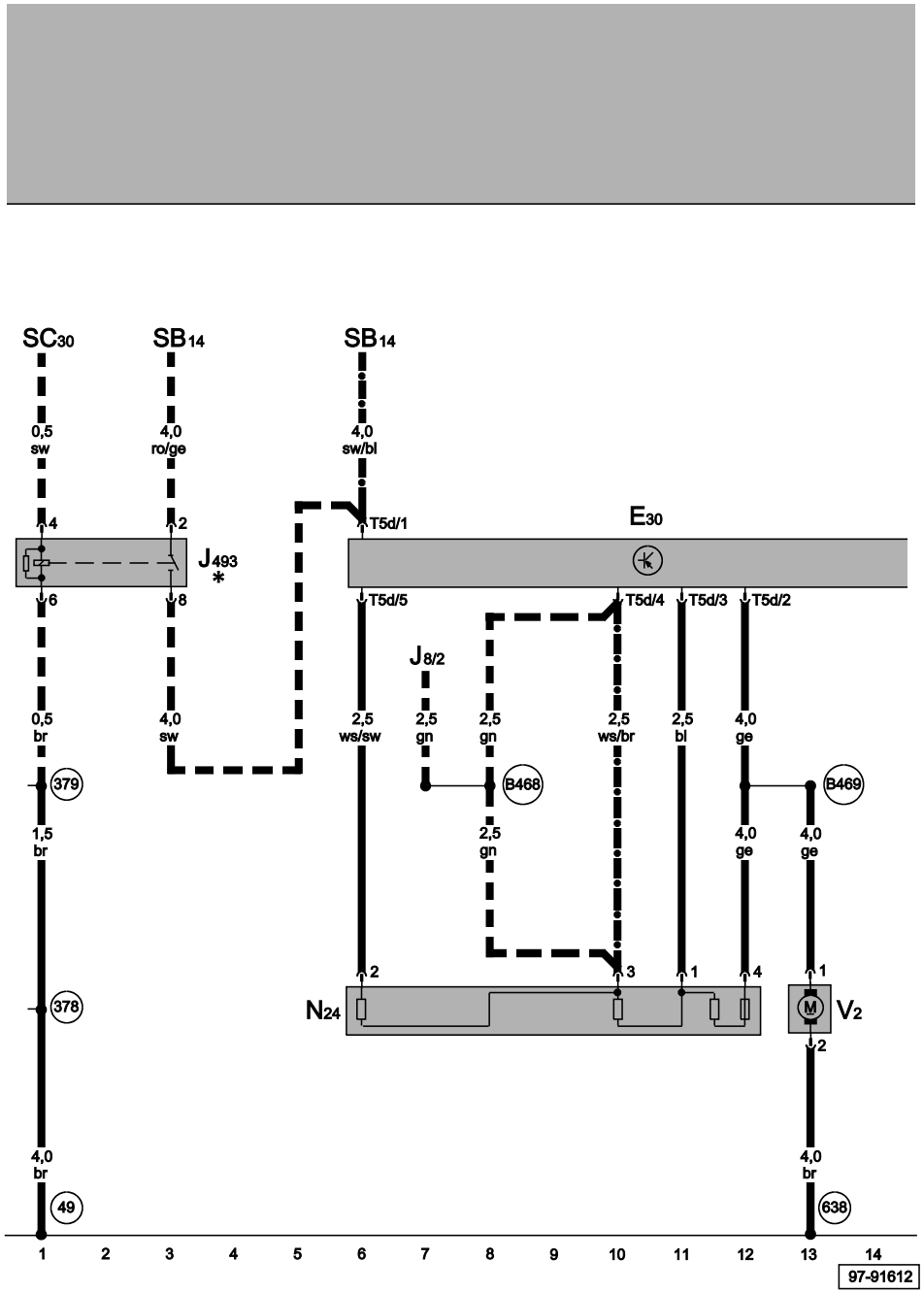
Air conditioning system - front, without 2nd heat exchanger

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Air conditioning system switch, fresh air blower series resistor with overheating fuse, fresh air blower, auxiliary coolant heater relay

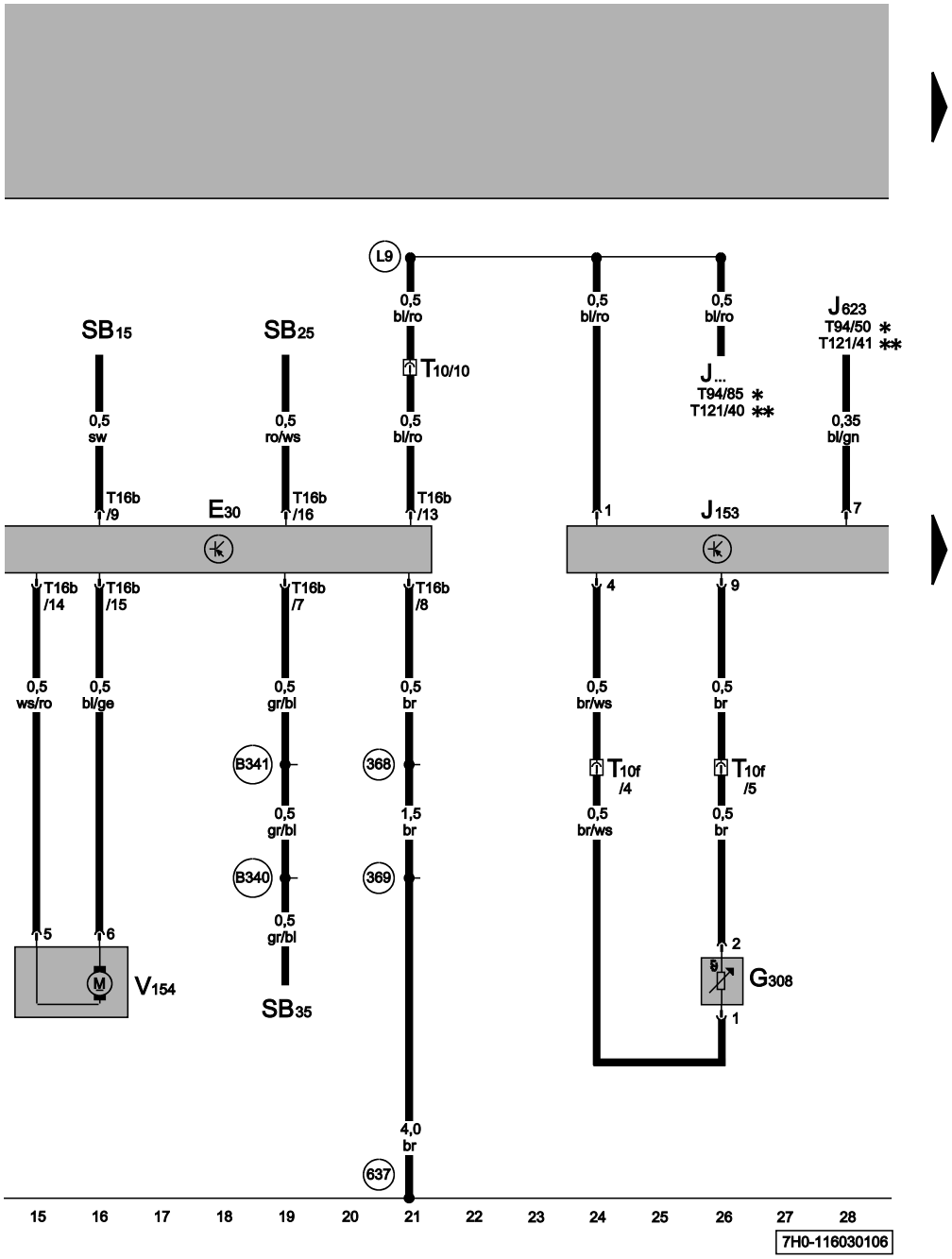
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4, in main wiring harness
B469	Connection 5, in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

<fo:exter for models with auxiliary coolant heater only
nal-
graphic
src="/../
PDOC/
samba/
tools/
png-
convert/
out//slp/
ft_icons/
m_m_m.
png"
content-
width="2
0pt"
scaling="
uniform"/
>
<fo:exter for models without auxiliary coolant heater only
nal-

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

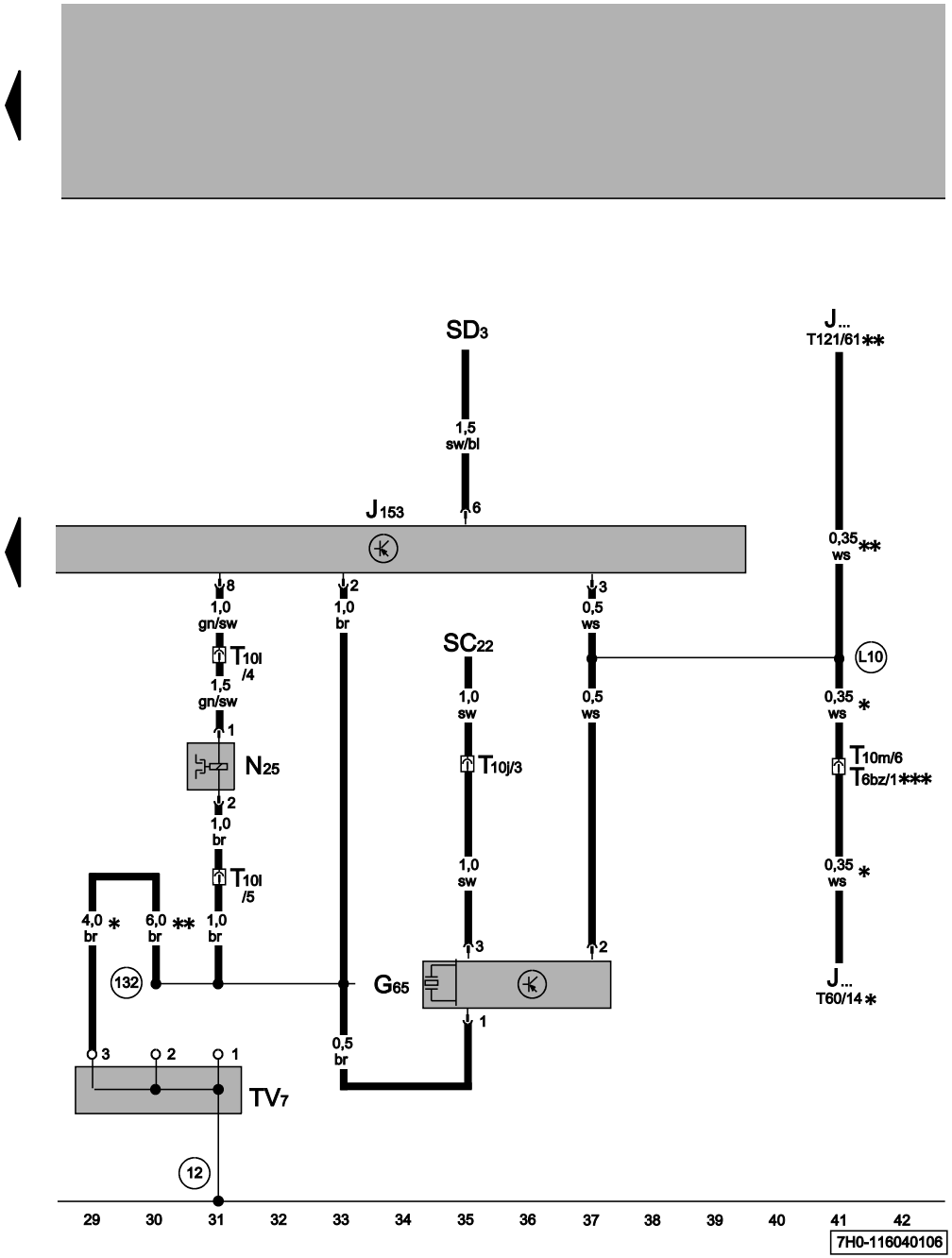
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Air conditioning system switch, evaporator temperature sensor, magnetic clutch control unit, fresh air/recirculated air flap control motor



E30	Air conditioning system switch
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
J623	Engine control unit
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
SB35	Fuse 35 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, magnetic clutch control unit, air conditioning system magnetic coupling

G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder
SD3	Fuse 3 on fuse holder
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T60	60-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only
***	applicable from June 2004

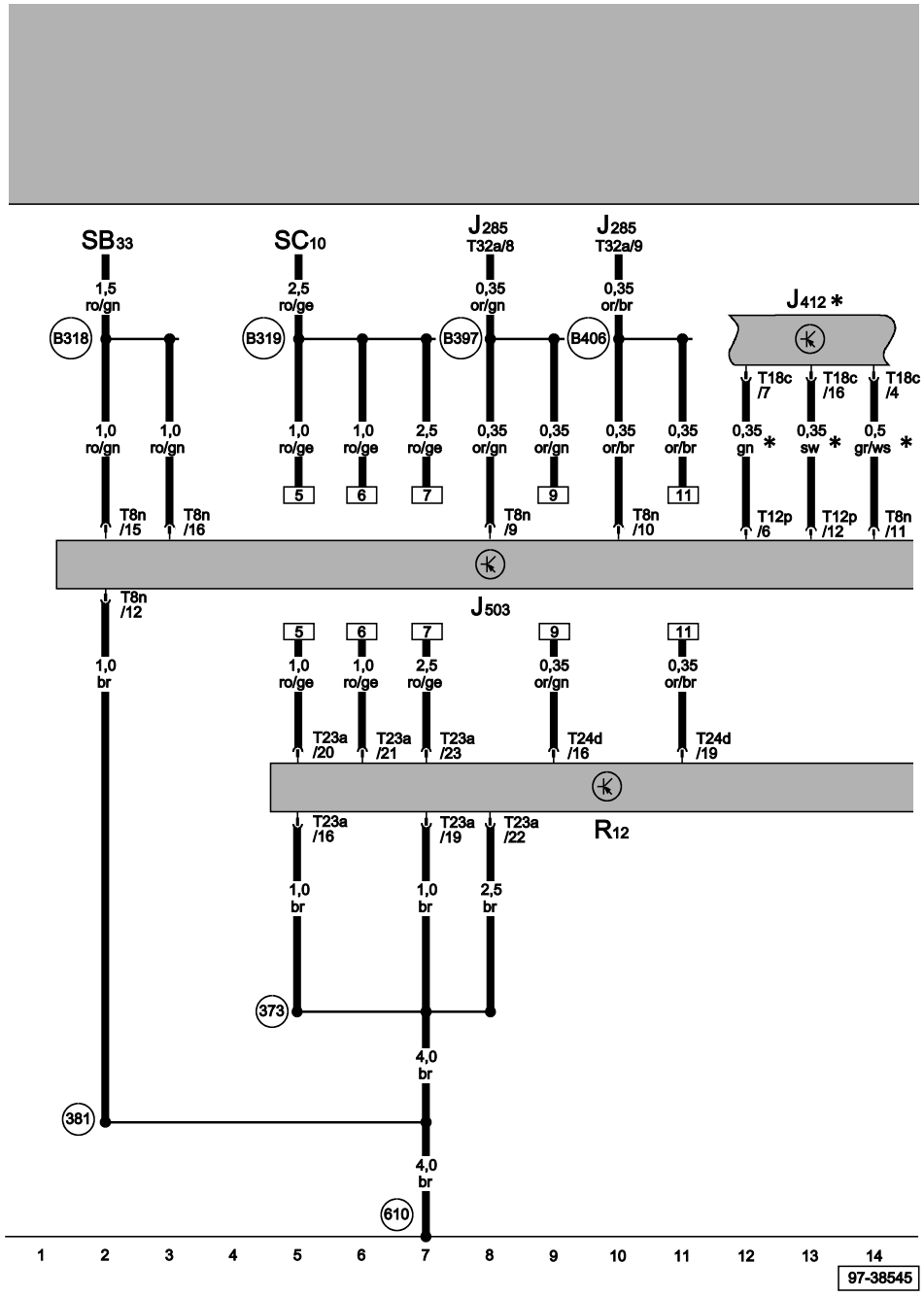
Radio and navigation system with colour display and sound package

⇒ **8 channel amplifier**
⇒ **9 loudspeakers**
⇒ **Aerial selection control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from June 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



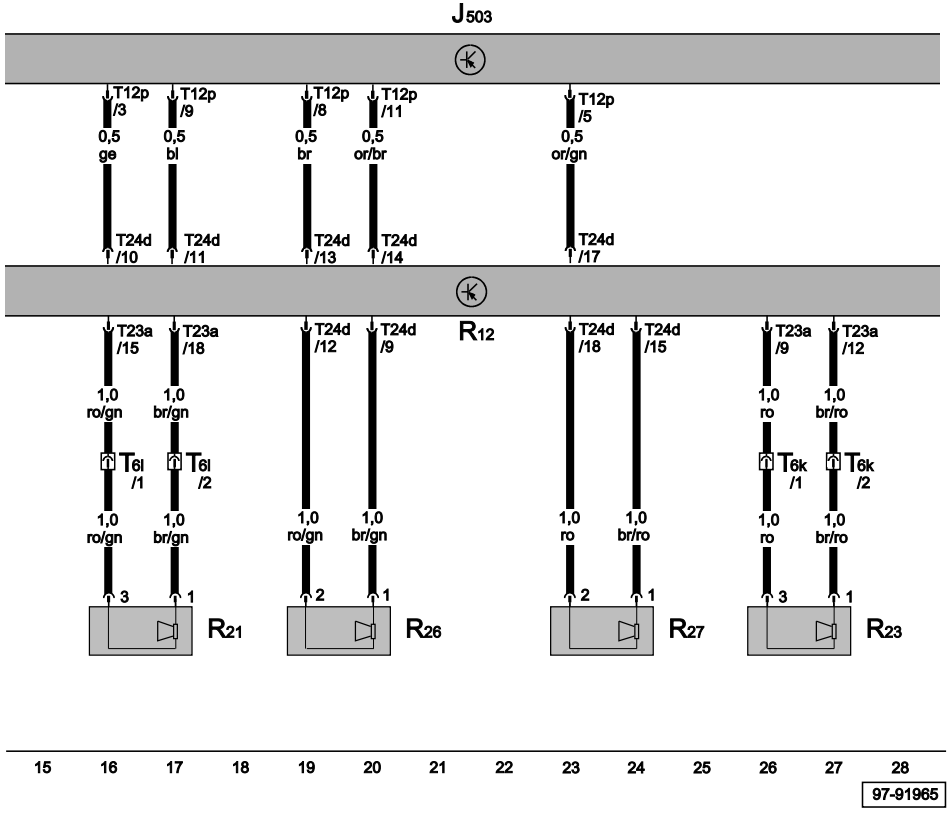
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
T24d	24-pin connector, brown
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

Control unit with display for radio and navigation system, amplifier, front loudspeaker

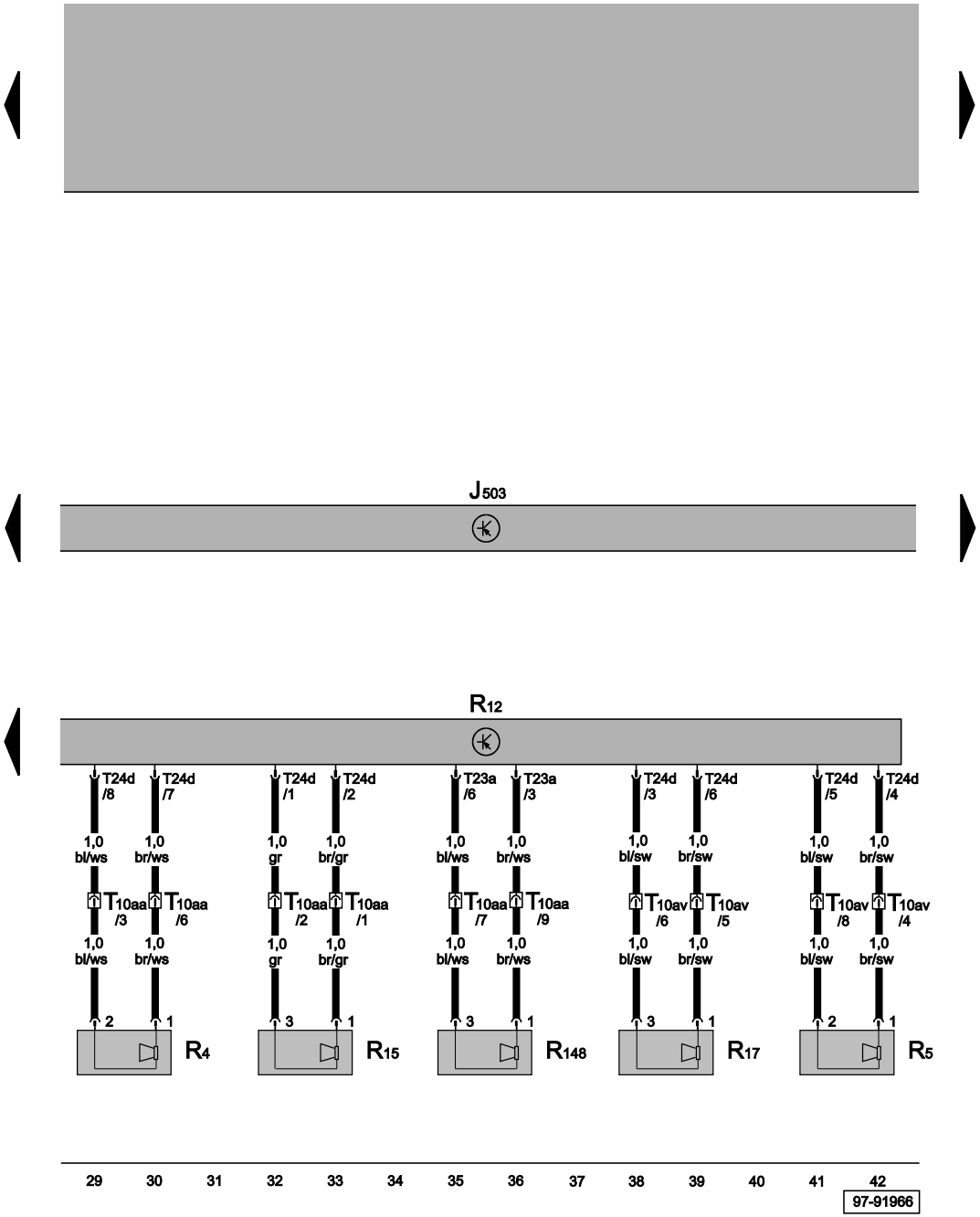
J503	Control unit with display for radio and navigation system
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T12p	12-pin connector, green
T23a	23-pin connector, red
T24d	24-pin connector, brown



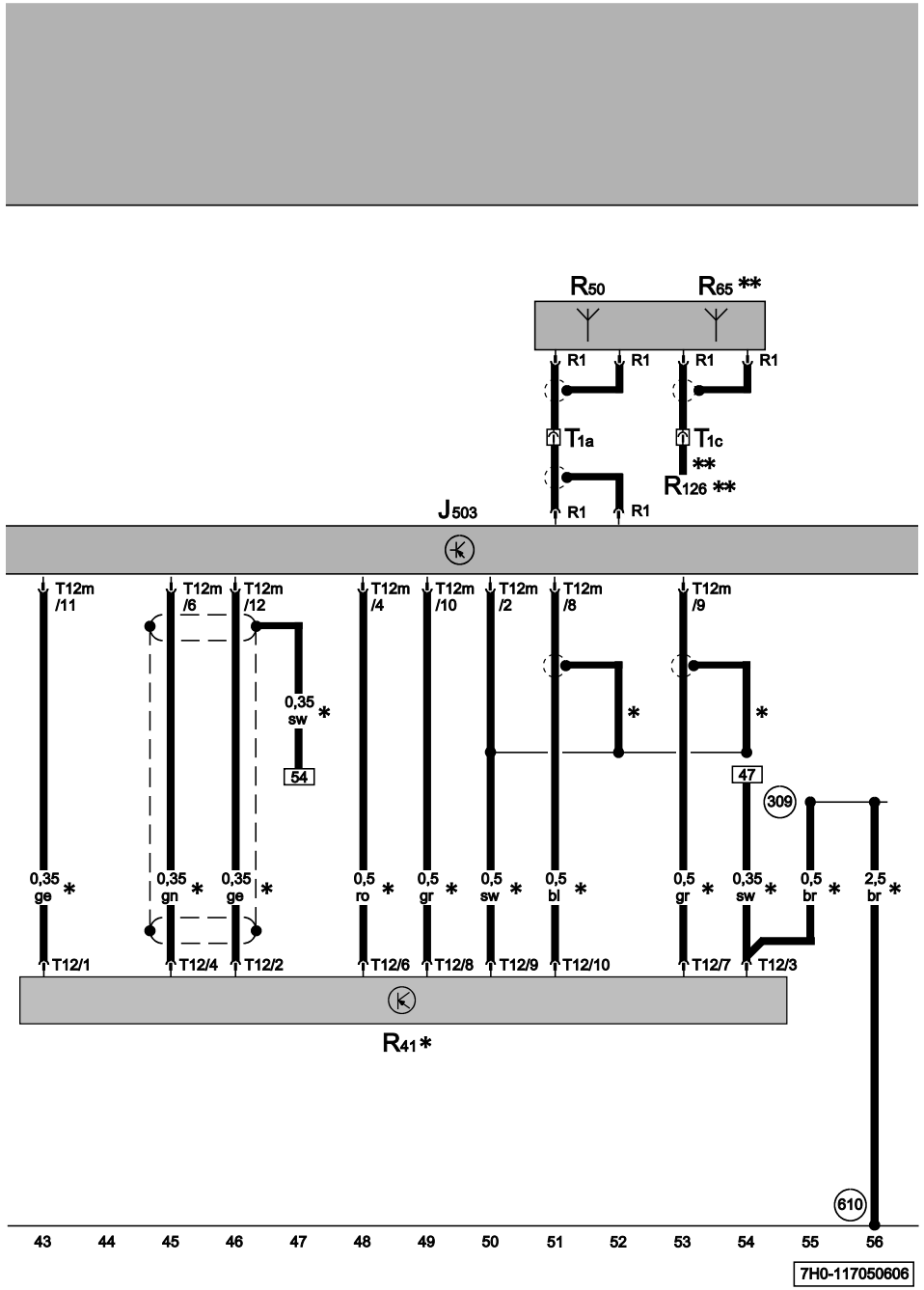
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, rear loudspeaker, middle loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T23a	23-pin connector, red
T24d	24-pin connector, brown



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



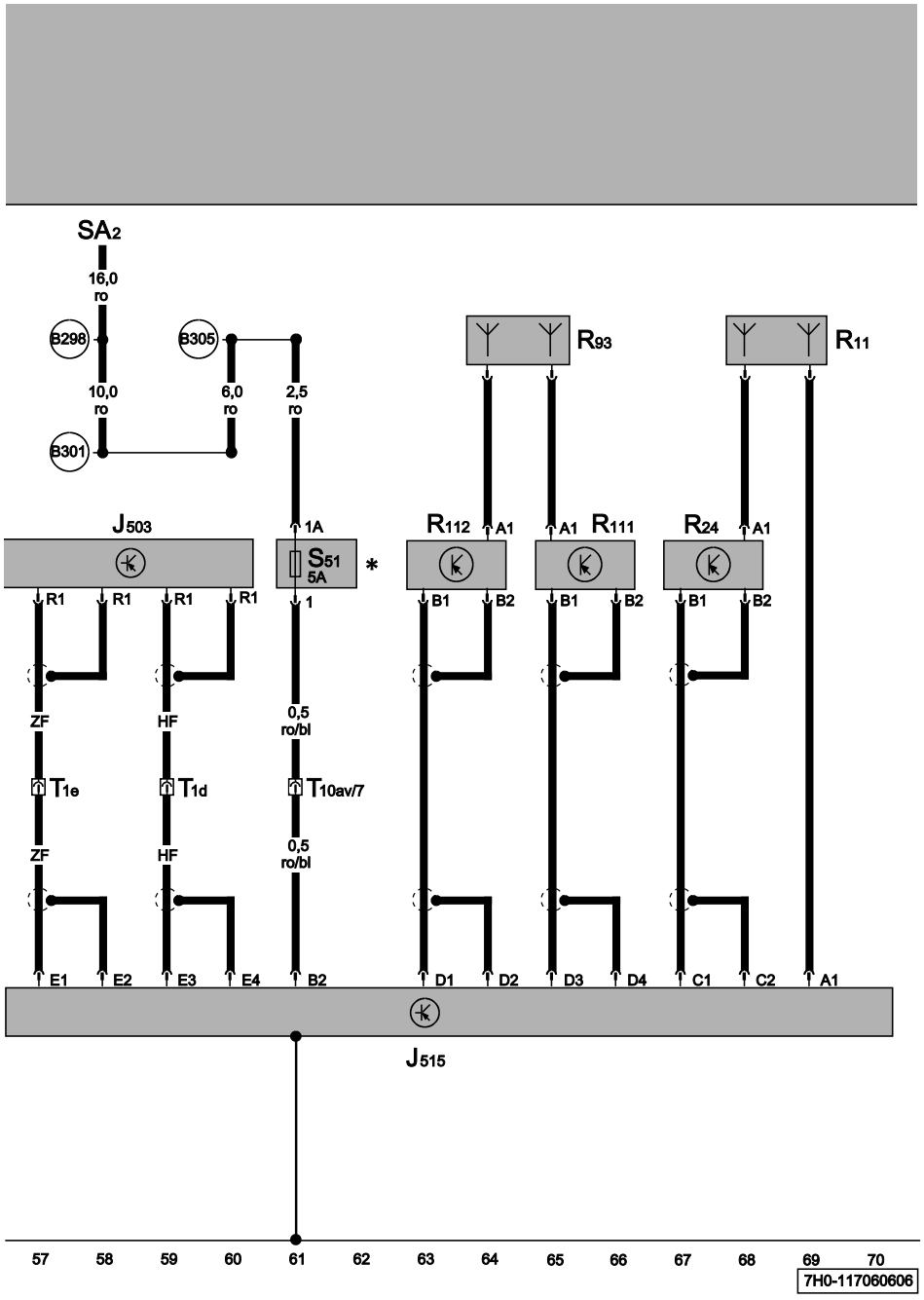
Control unit with display for radio and navigation system, navigation system aerial, CD changer

J503	Control unit with display for radio and navigation system
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial selection control unit, aerial, aerial amplifier, fuse

J503	Control unit with display for radio and navigation system
J515	Aerial selection control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R93	Radio aerial 2
R111	Aerial amplifier 2
R112	Aerial amplifier 3
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

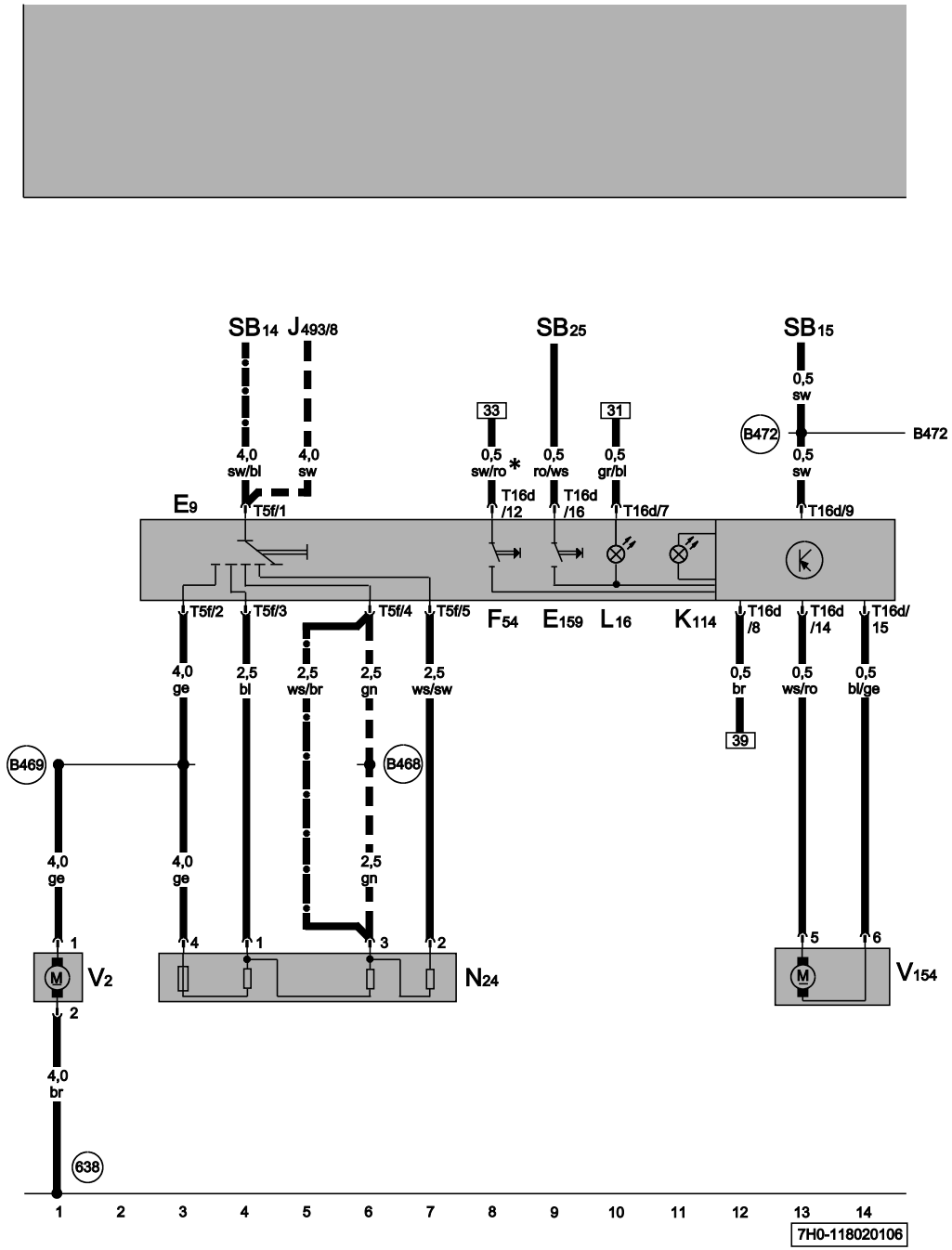
Heating with mechanical control, heat exchanger with vehicle interior ventilation 2, recirculated air over climatic headlining

⇒ **box-type delivery van or hybrid vehicle**
⇒ **Camper**
from May 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air/air recirculation flap switch, fresh air blower, fresh air/recirculated air flap control motor, rear air conditioning control blocking button

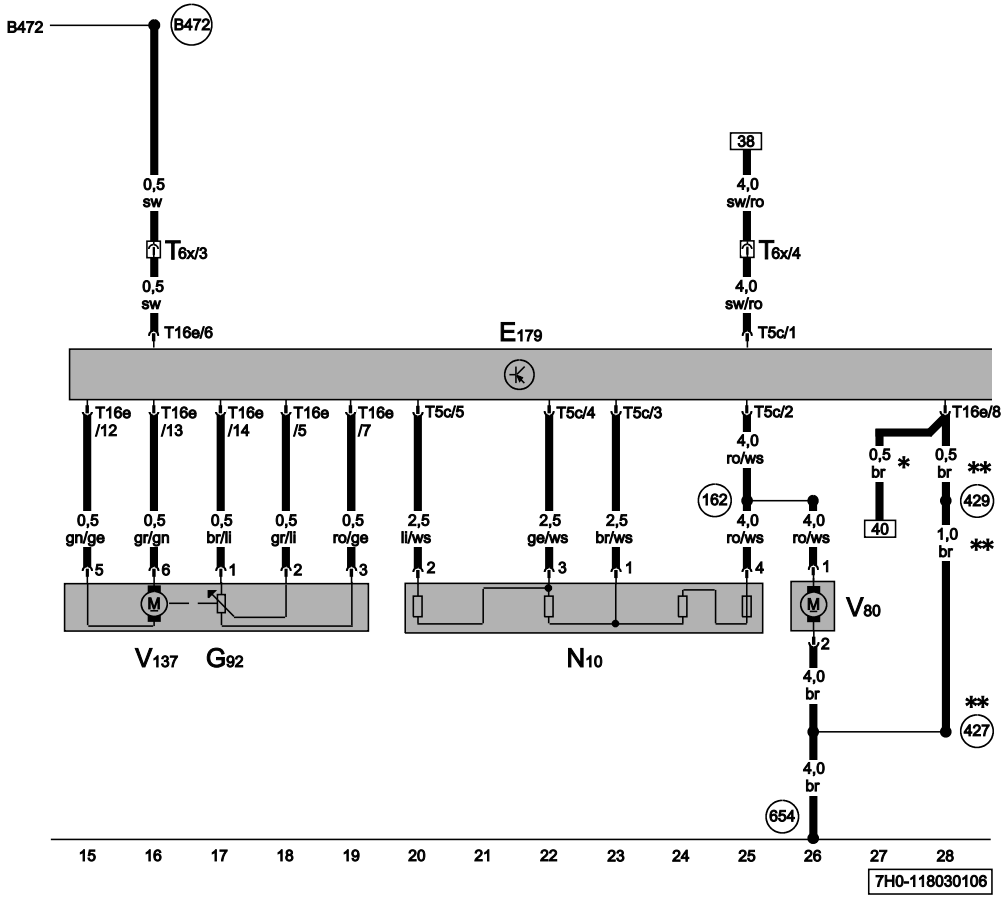
E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
F54	Rear air conditioning control blocking button
J493	Auxiliary coolant heater relay
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4, in main wiring harness
B469	Connection 5, in main wiring harness
B472	Connection 8, in main wiring harness
*	for box-type delivery van or hybrid vehicle with seperate vehicle interior ventilation only, not for camper

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform" />
for models without auxiliary coolant heater only

<fo:external-graphic
for models with auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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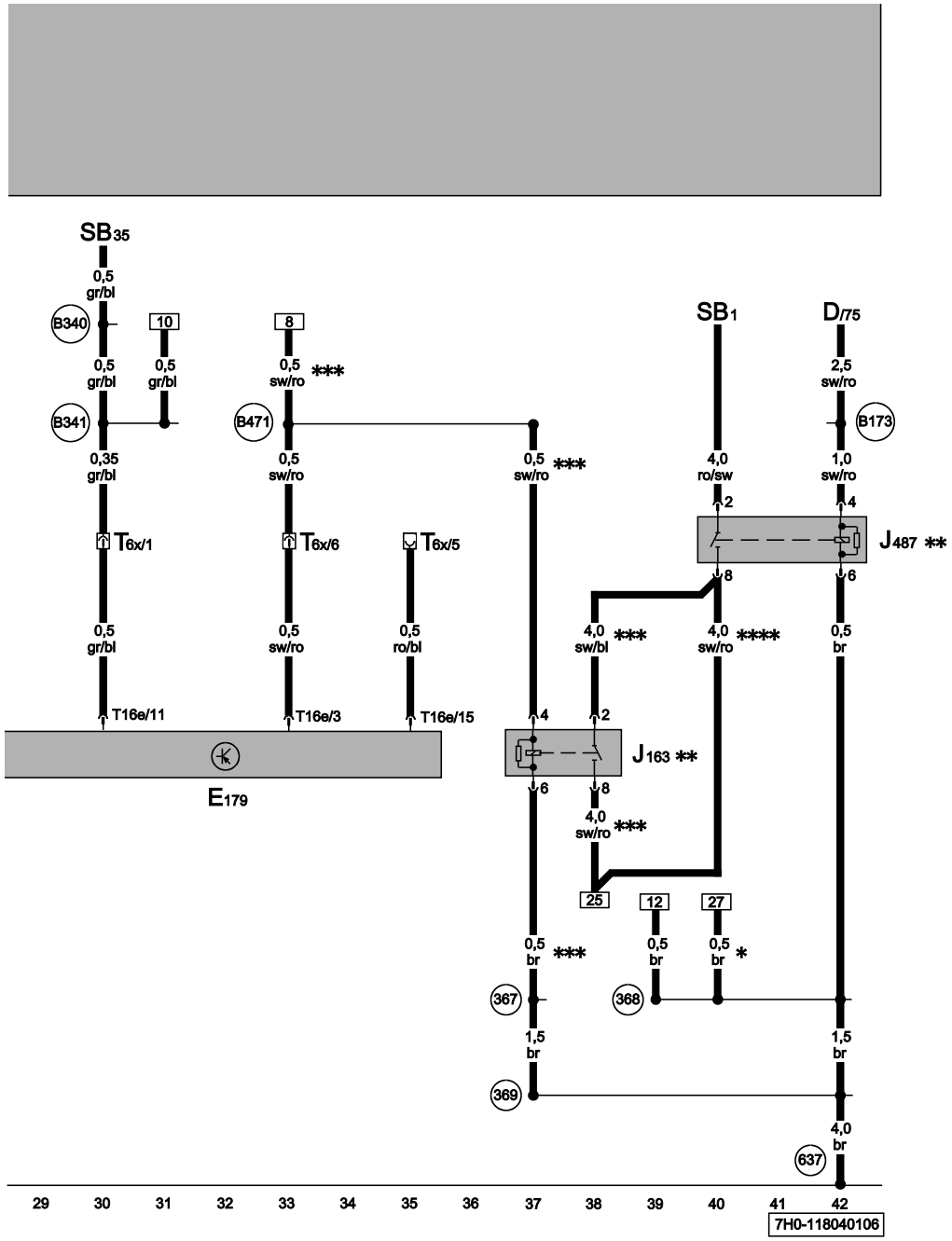


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, temperature flap control motor potentiometer, series resistor for rear fresh air blower, rear temperature flap control motor

E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
N10	Series resistor for rear fresh air blower
T5c	5-pin connector, black
T6x	6-pin connector, purple, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
162	Earth connection, in blower motor wiring harness
427	Earth connection 3, in right rear end wiring harness
429	Earth connection 4, in right rear end wiring harness
654	Earth point, right D-pillar
B472	Connection 8, in main wiring harness
*	applicable up to August 2004
**	applicable from September 2004

Rear fresh air blower switch, rear fresh air blower relay, fresh air blower isolation relay

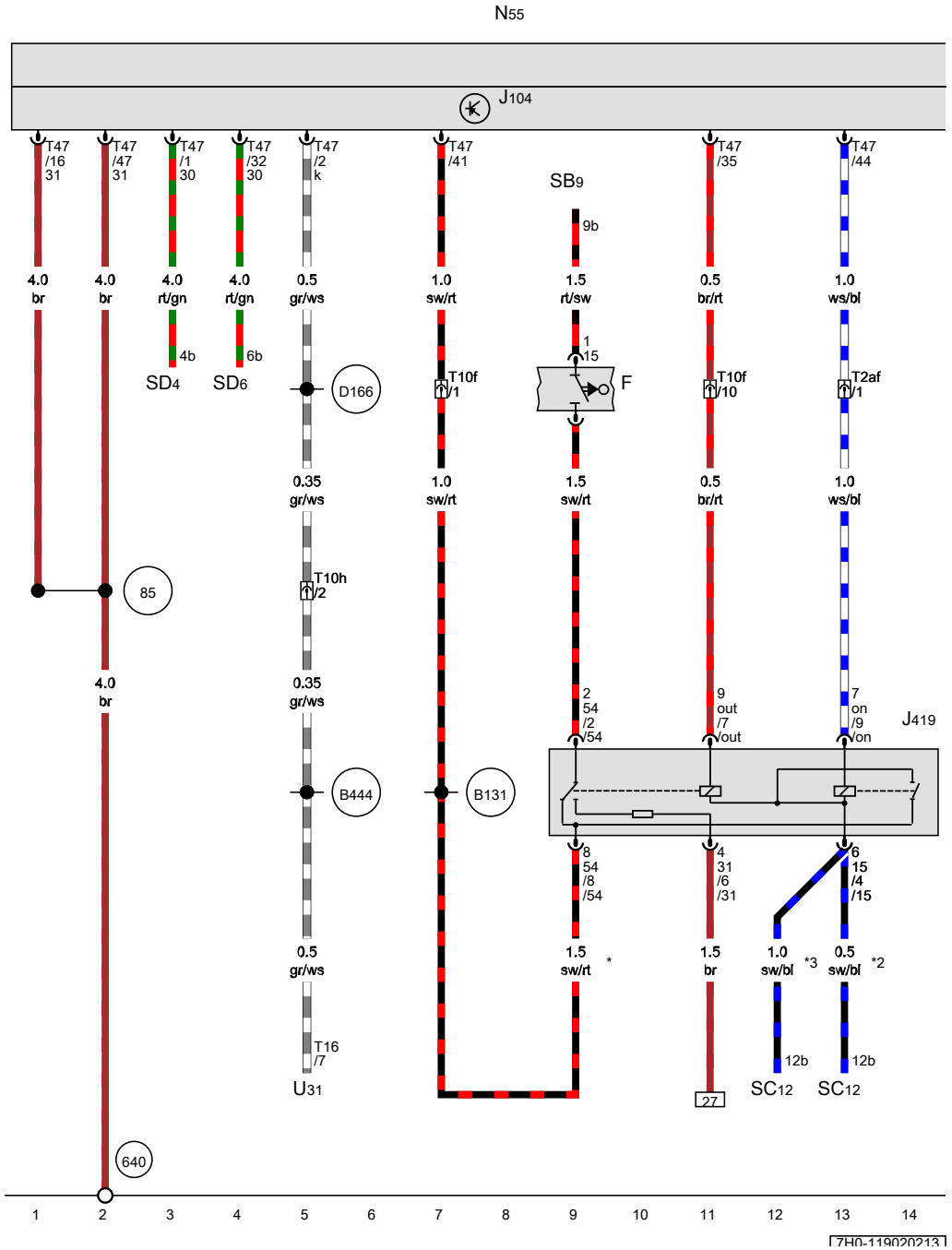


D	Ignition/starter switch
E179	Rear fresh air blower switch
J163	Rear fresh air blower relay
J487	Fresh air blower isolation relay
SB1	Fuse 1 on fuse holder
SB35	Fuse 35 on fuse holder
T6x	6-pin connector, purple, coupling station under front passenger seat
T16e	16-pin connector, black
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B471	Connection 7, in main wiring harness
*	applicable up to August 2004
**	applicable up to December 2005, models from January 2006 ⇒ basic equipment Current Flow Diagram
***	for box-type delivery van or hybrid vehicle with seperate vehicle interior ventilation only, not for camper
****	for camper only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS) and electronic stabilisation program (ESP) , (1D1),(1D2)

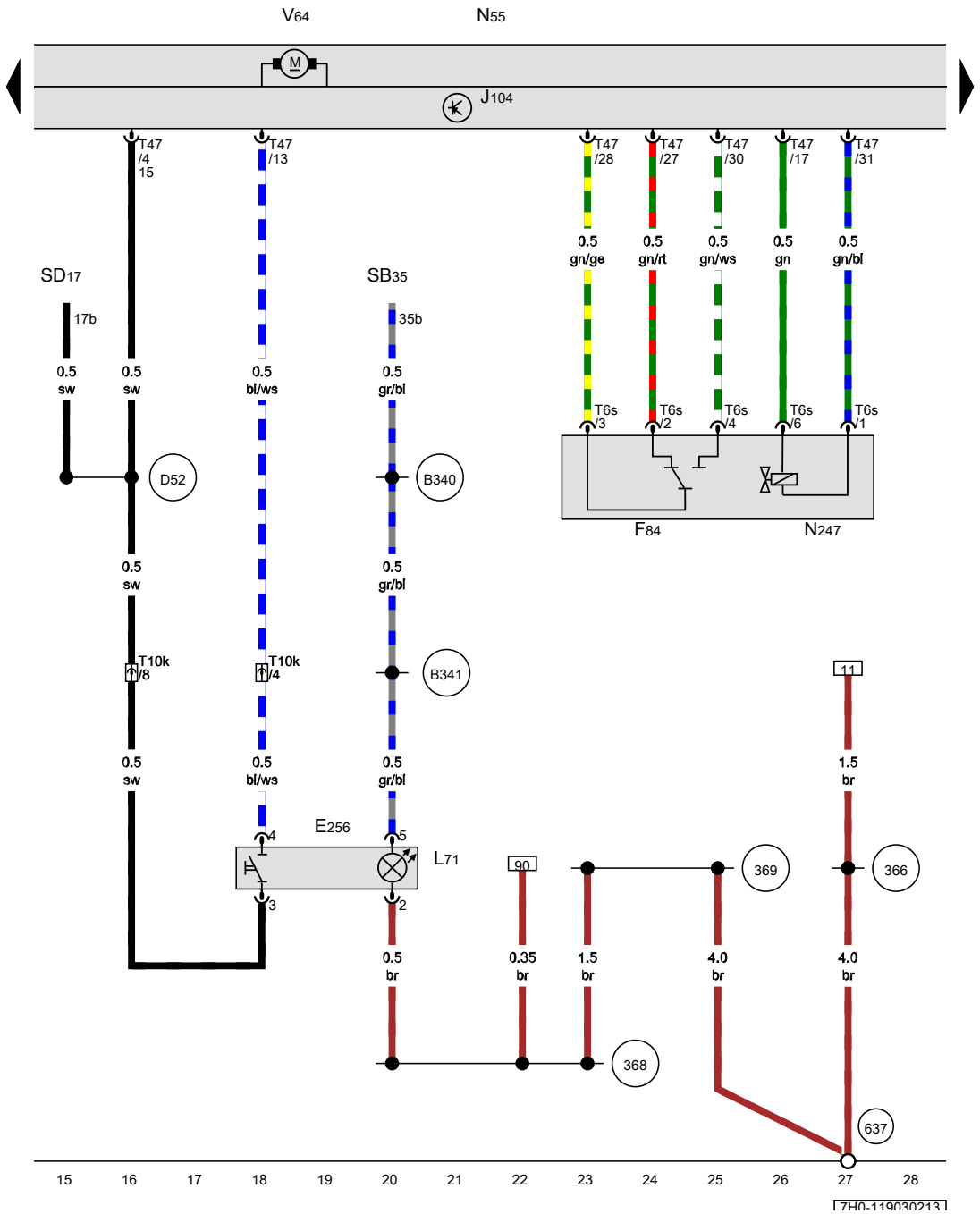
From June 2004



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Brake light switch, ABS control unit, Brake light additional relay, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

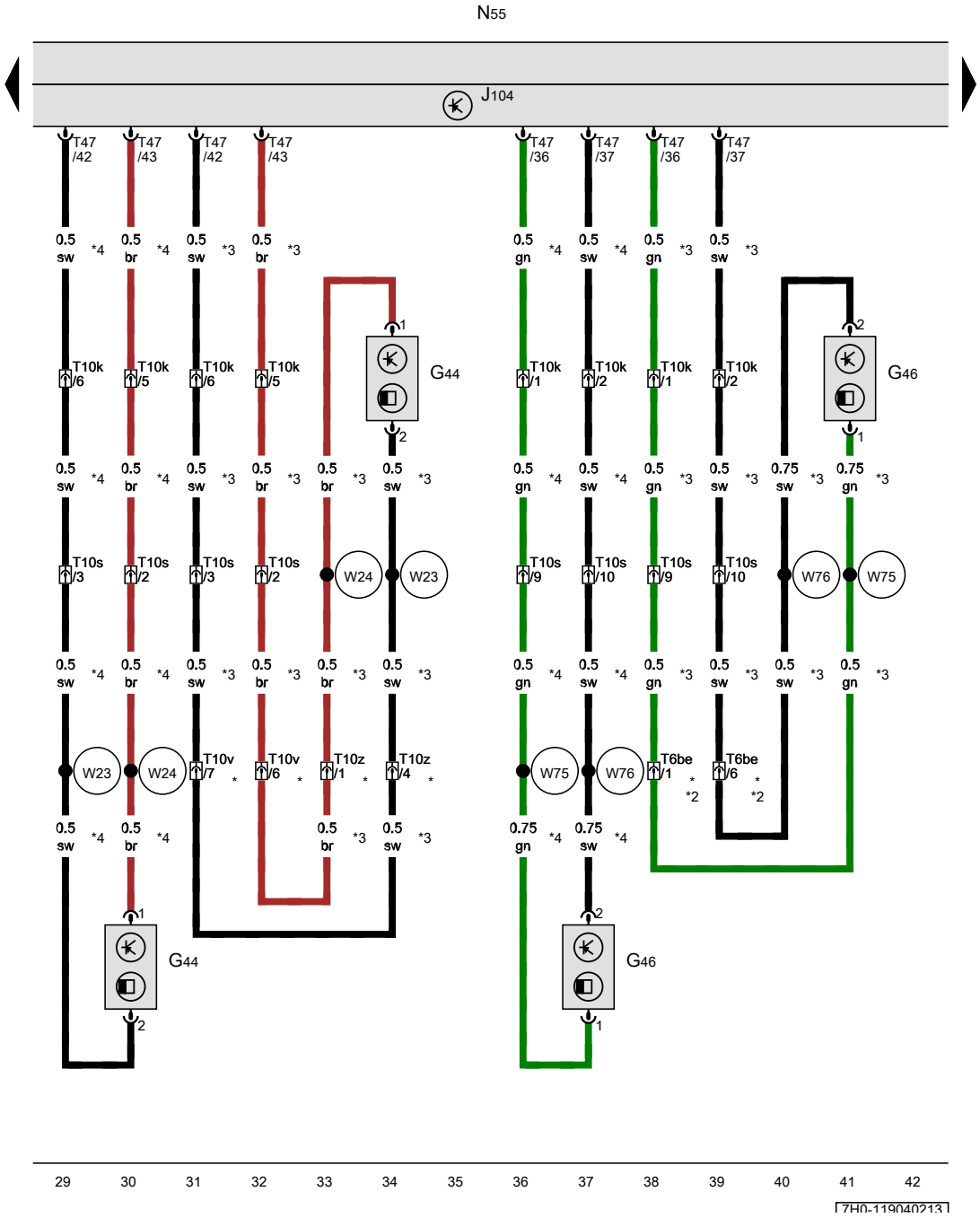
F	Brake light switch
J104	ABS control unit
J419	Brake light additional relay
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
SC12	Fuse 12 on fuse holder C
T2af	2-pin connector, black, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Only models with no electric interface
*2	Up to December 2005
*3	From January 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

TCS and ESP button, Brake pressure solenoid trip switch, ABS control unit, ABS hydraulic unit, Brake pressure solenoid valve, ABS hydraulic pump

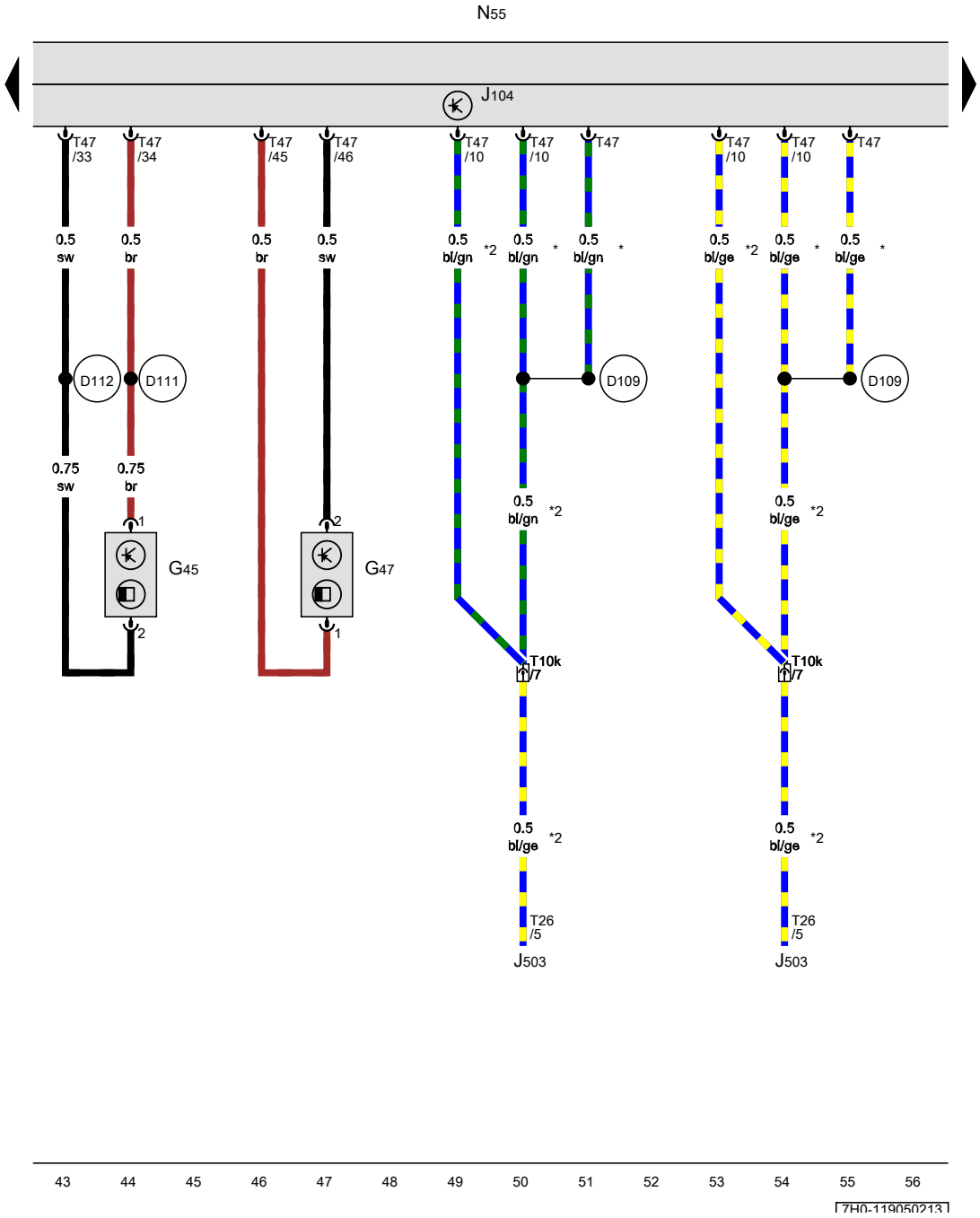
E256	TCS and ESP button
F84	Brake pressure solenoid trip switch
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
N247	Brake pressure solenoid valve
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T6s	6-pin connector
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness



Rear right speed sensor, Rear left speed sensor, ABS control unit, ABS hydraulic unit

G44	Rear right speed sensor
G46	Rear left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T6be	6-pin connector, grey, behind left D-pillar trim
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
T47	47-pin connector, black
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness
W75	Connection 3 (sensor), in rear wiring harness
W76	Connection 4 (sensor), in rear wiring harness
*	Up to January 2005
*2	Only models with no all-wheel drive
*3	Only Multivan, panel van or Kombi models
*4	Only models with double cab/ dropside

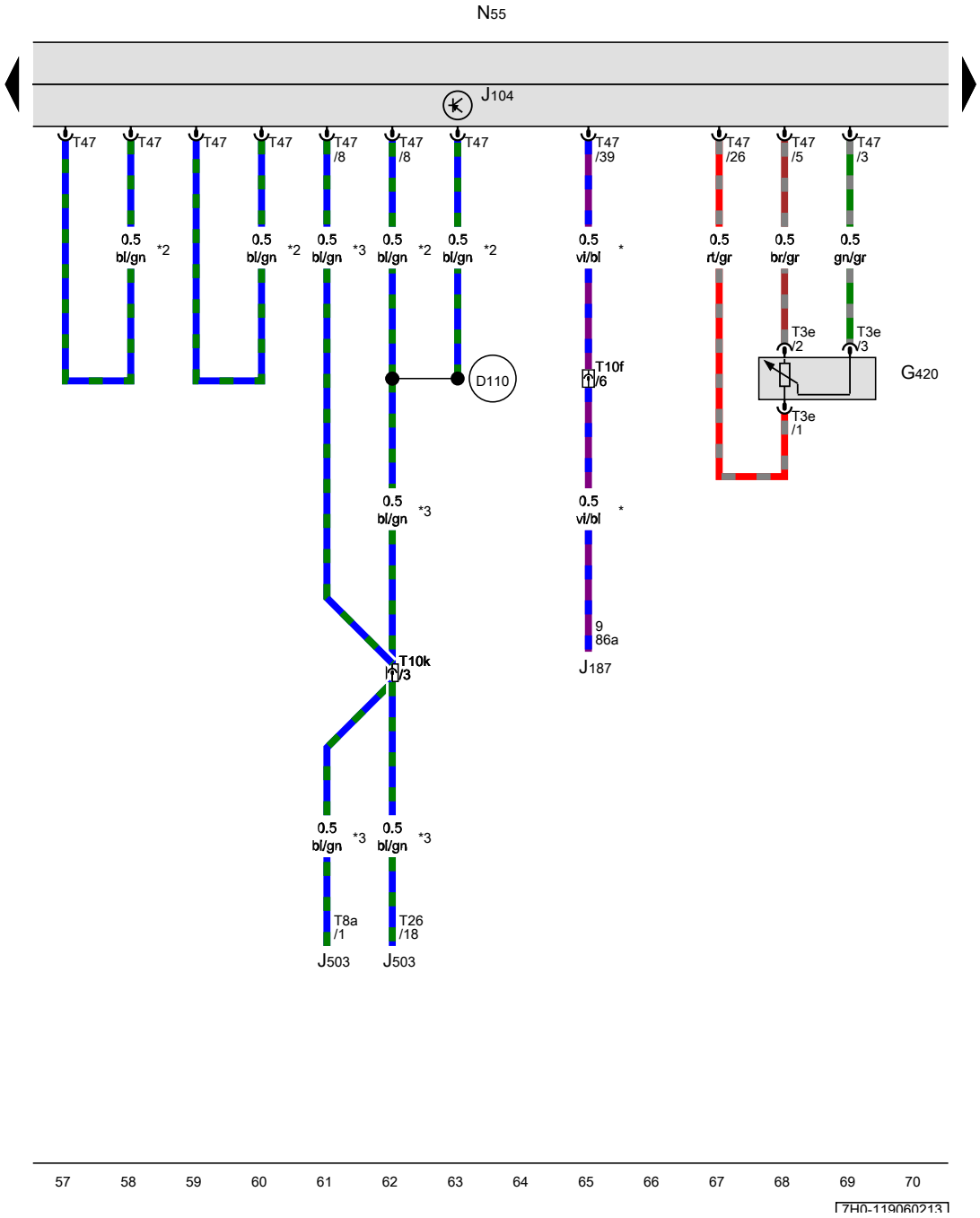
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front right speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

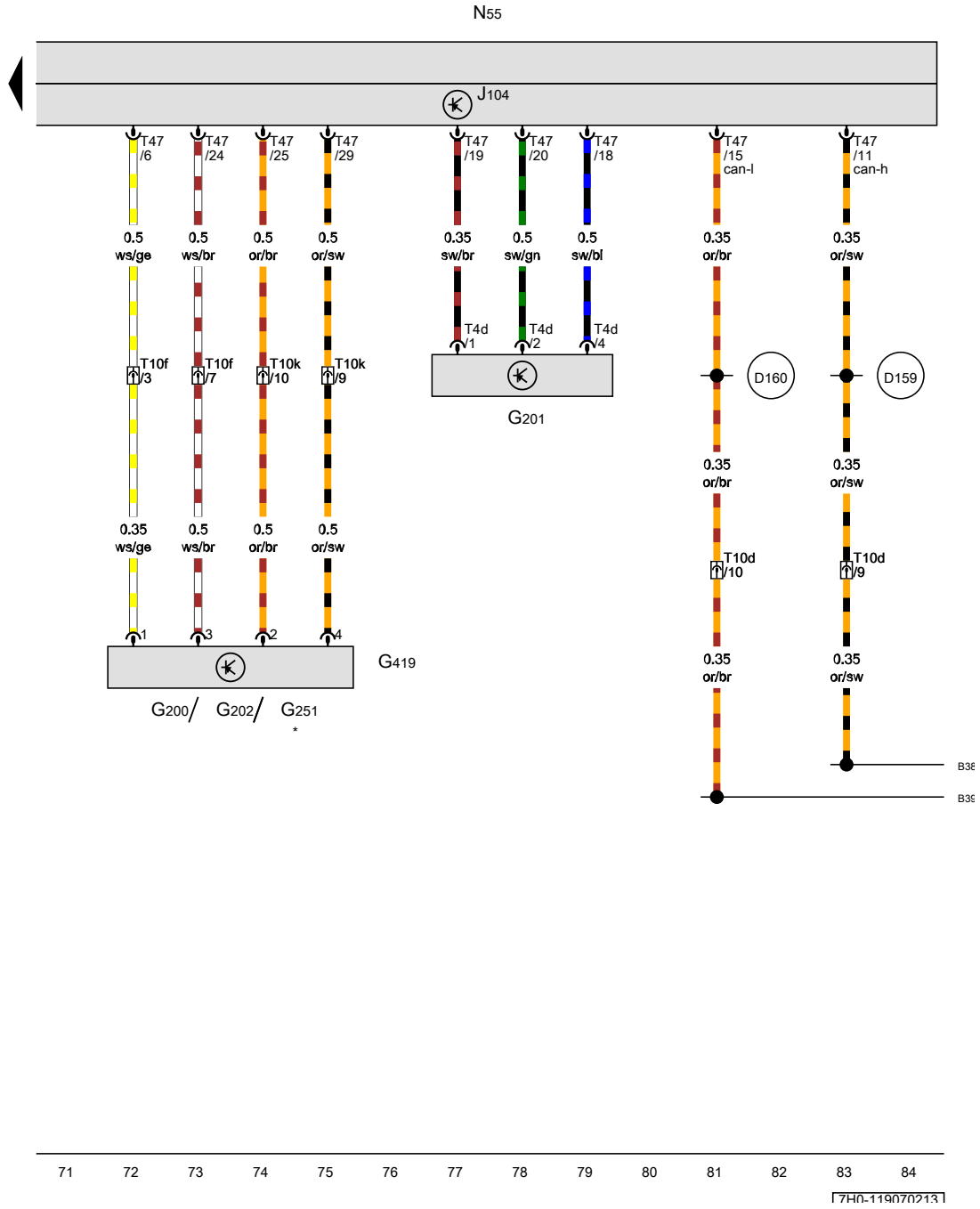
G45	Front right speed sensor
G47	Front left speed sensor
J104	ABS control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
*	see fitting locations, ABS code table
*2	According to equipment



Potentiometer for brake servo diaphragm travel, ABS control unit, ABS hydraulic unit

G420	Potentiometer for brake servo diaphragm travel
J104	ABS control unit
J187	Differential lock control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T3e	3-pin connector
T8a	8-pin connector, black
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D110	Connection 8 in engine compartment wiring harness
*	Only models with rear differential lock
*2	see fitting locations, ABS code table
*3	According to equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



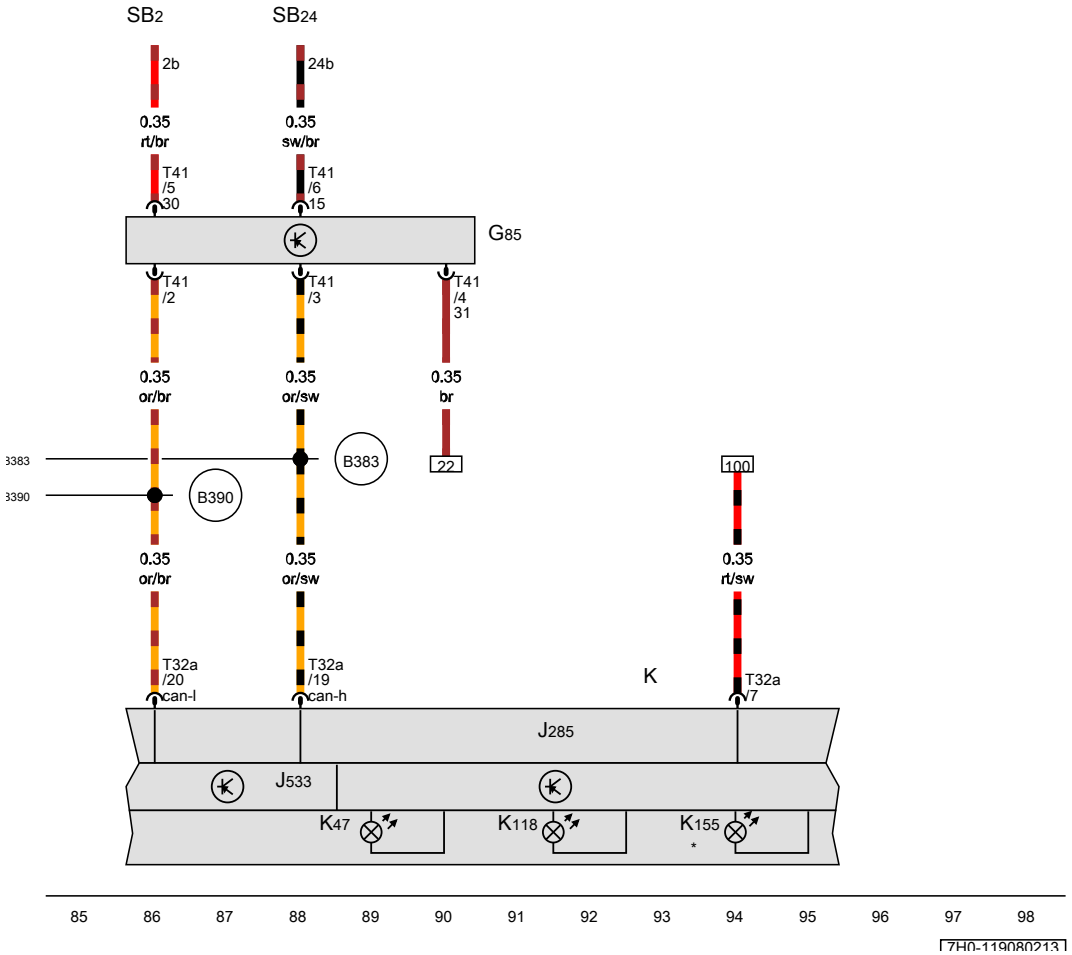
Brake pressure sender 1, ESP sensor unit, ABS control unit, ABS hydraulic unit

G200	Lateral acceleration sender
G201	Brake pressure sender 1
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J104	ABS control unit
N55	ABS hydraulic unit
T4d	4-pin connector
T10d	10-pin connector, blue, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with all-wheel drive

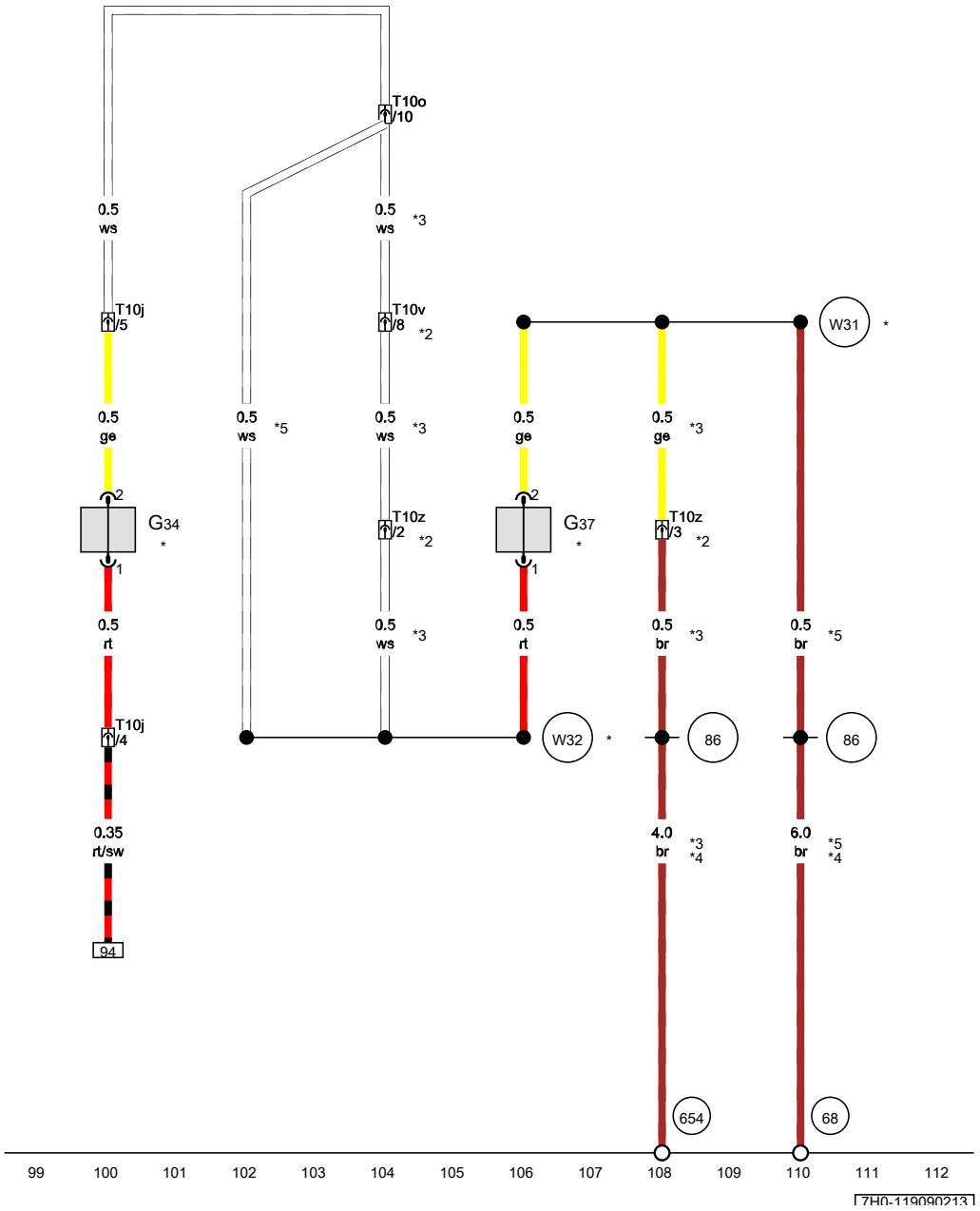
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Steering angle sender, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T32a	32-pin connector, green
T41	41-pin connector, grey
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with warning function for brake pad wear



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
T10v	10-pin connector, blue, behind left D-pillar trim
T10z	10-pin connector, brown, behind right D-pillar trim
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Up to January 2005
*3	Only Multivan, panel van or Kombi models
*4	Cross section depends on equipment
*5	Only models with double cab/ dropside

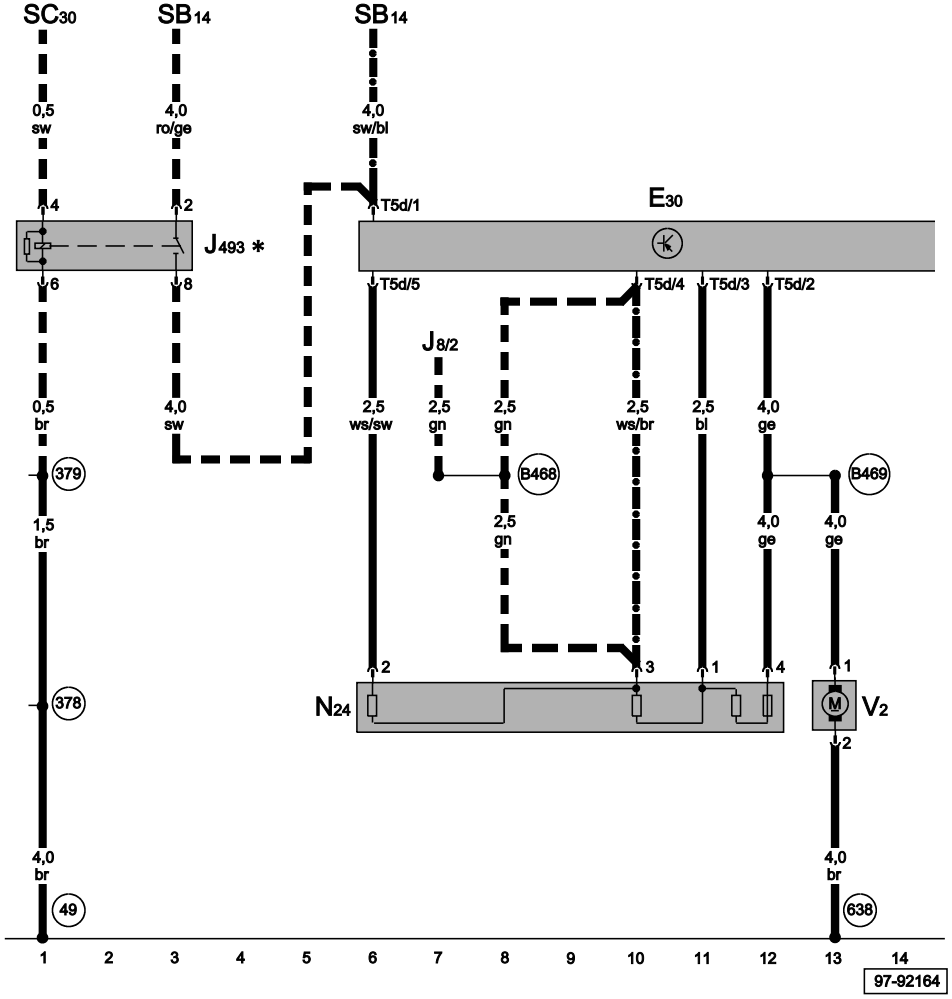
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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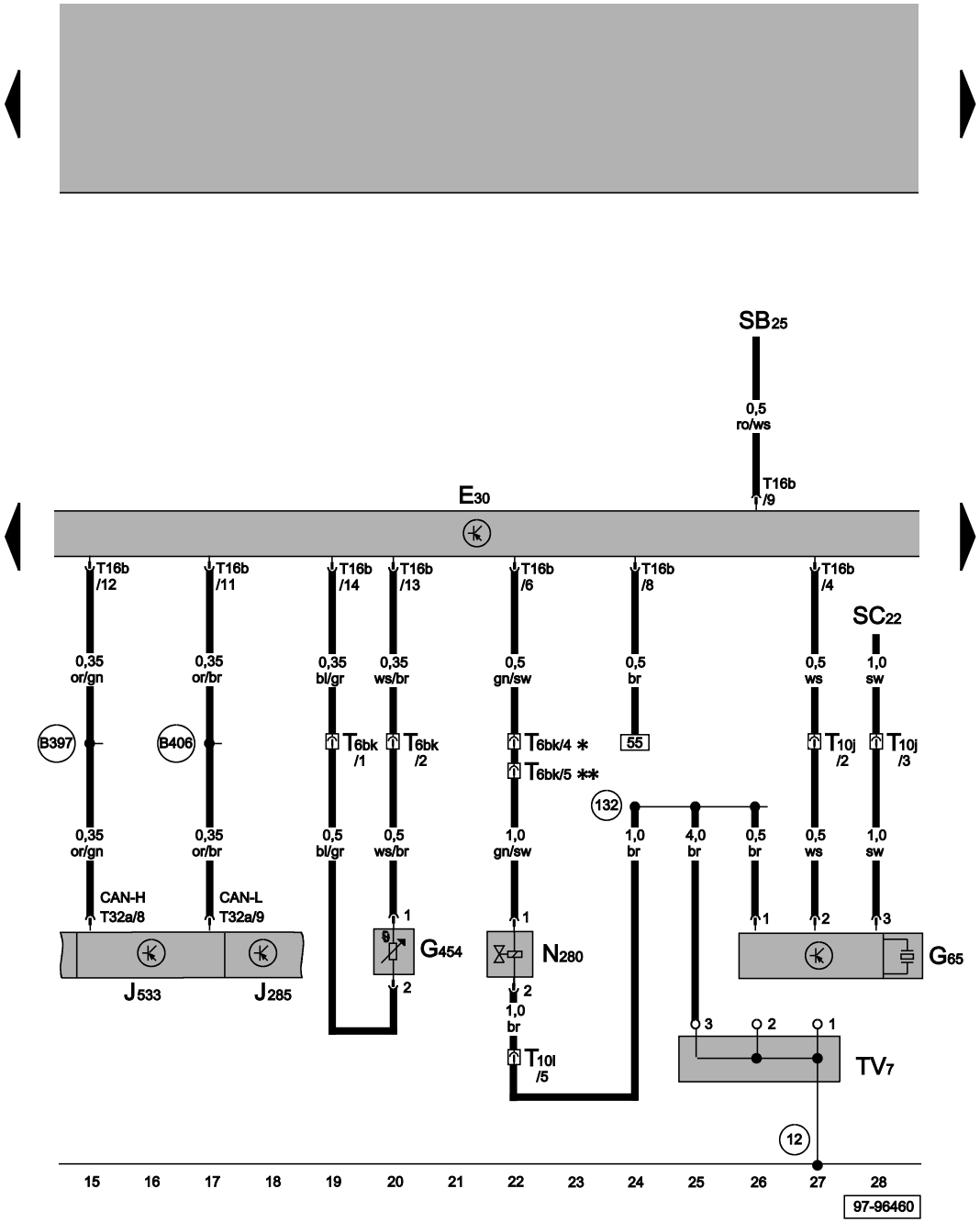
for models with auxiliary coolant heater only

<fo:external-

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

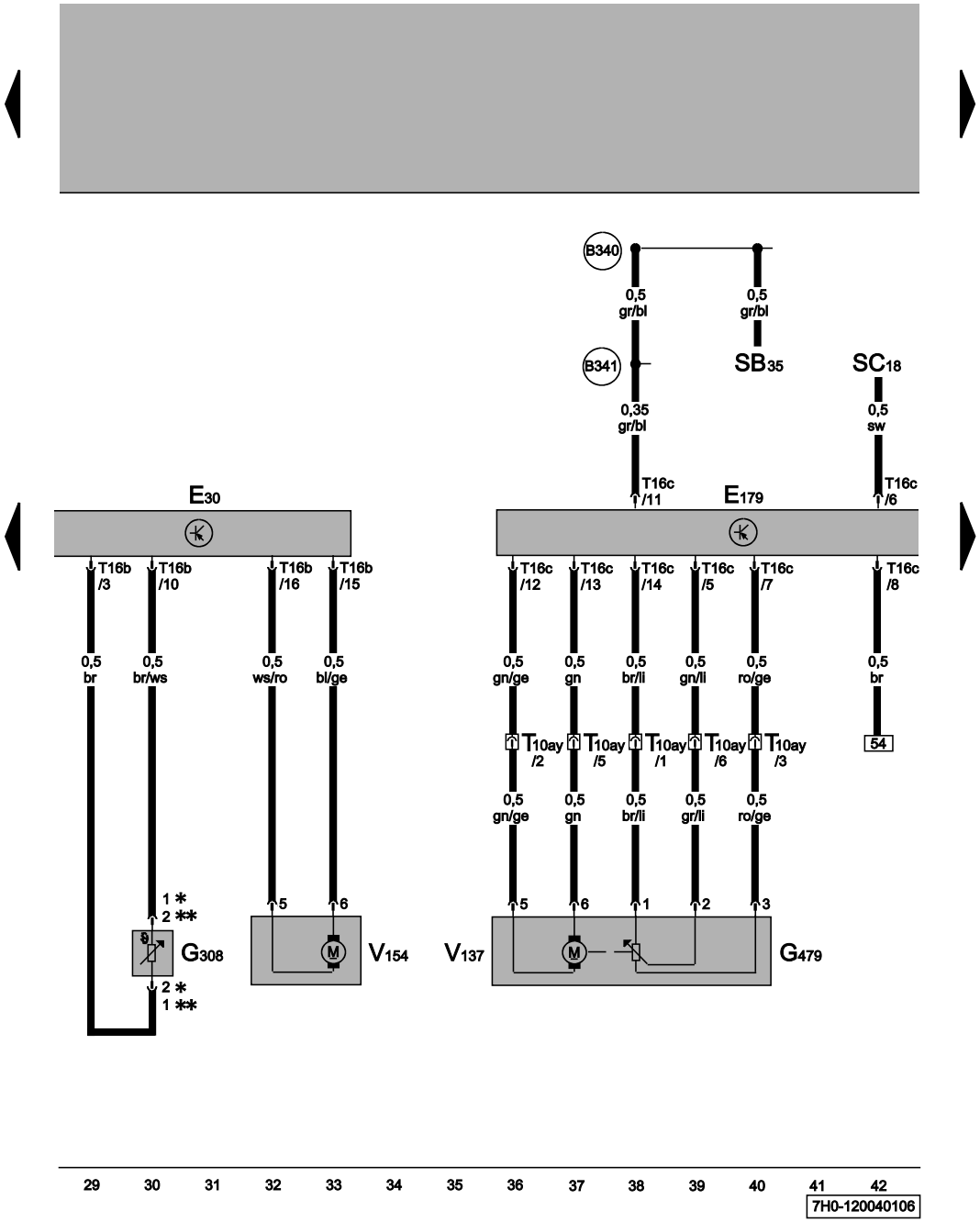
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioning system switch, high pressure sender, refrigerant temperature sender, air conditioning system compressor regulating valve, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder
SC22	Fuse 22 on fuse holder
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004

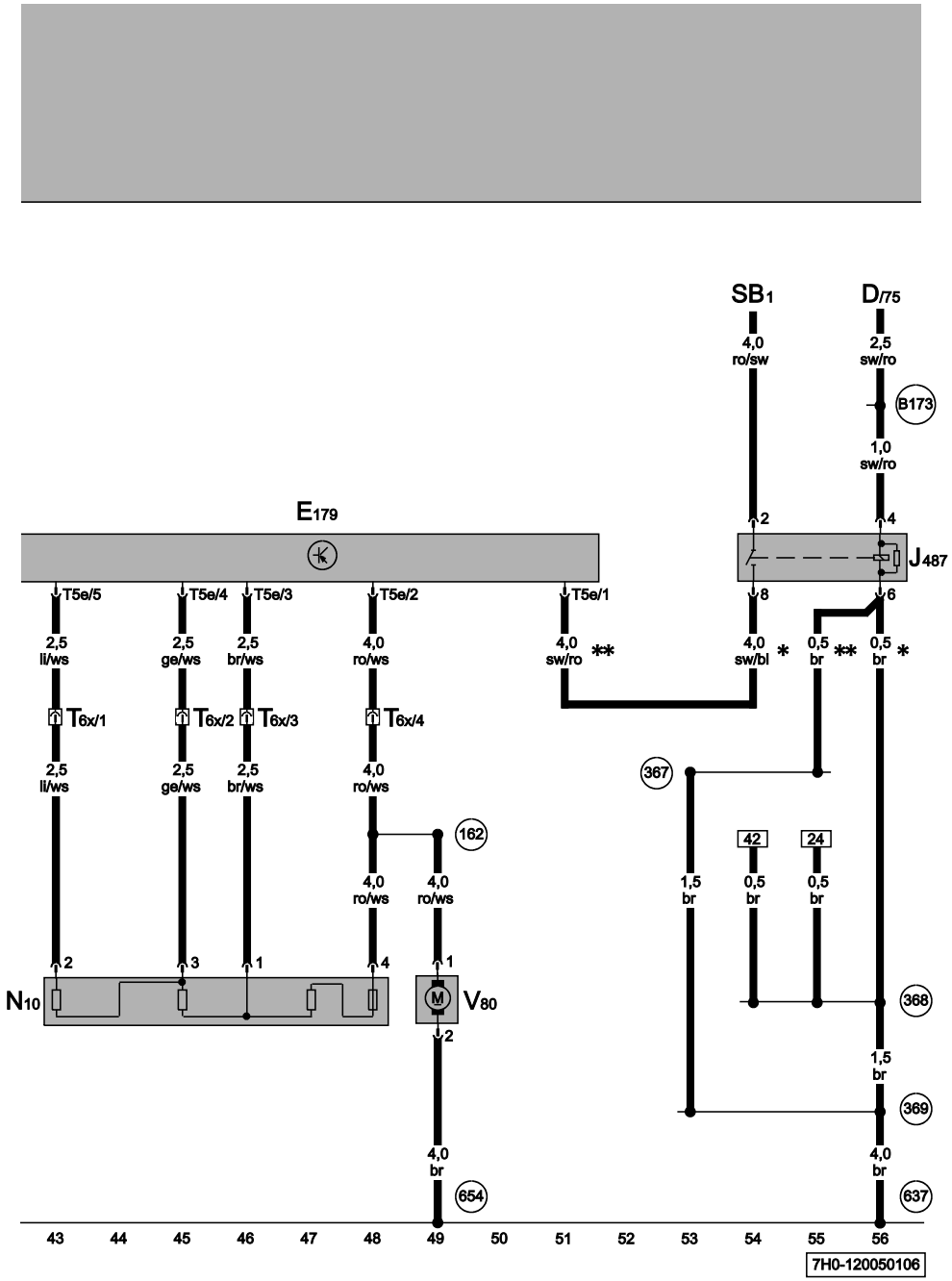


Air conditioning system switch and rear fresh air blower, evaporator temperature sensor, potentiometer, control motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder
SC18	Fuse 18 on fuse holder
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V137	Rear temperature flap control motor
V154	Fresh air/recirculated air flap control motor
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	applicable up to March 2004
**	applicable from April 2004

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
*	applicable up to December 2005
**	applicable from January 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

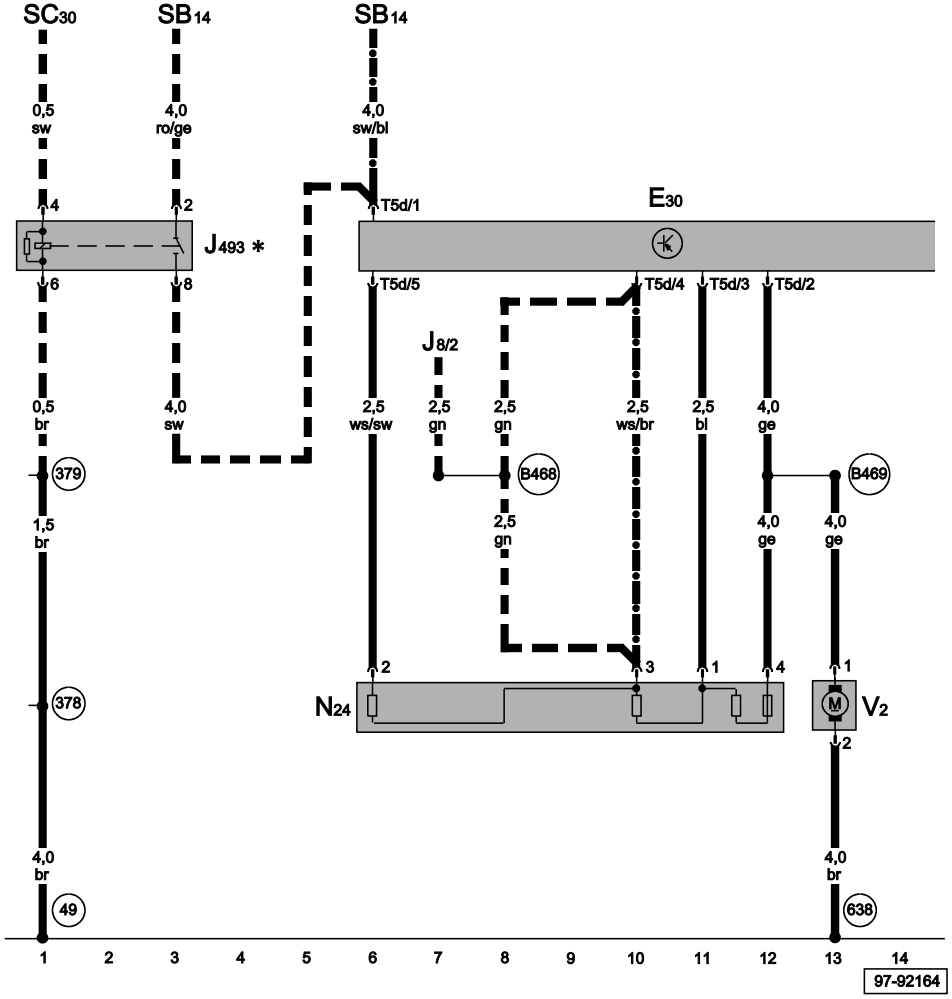
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

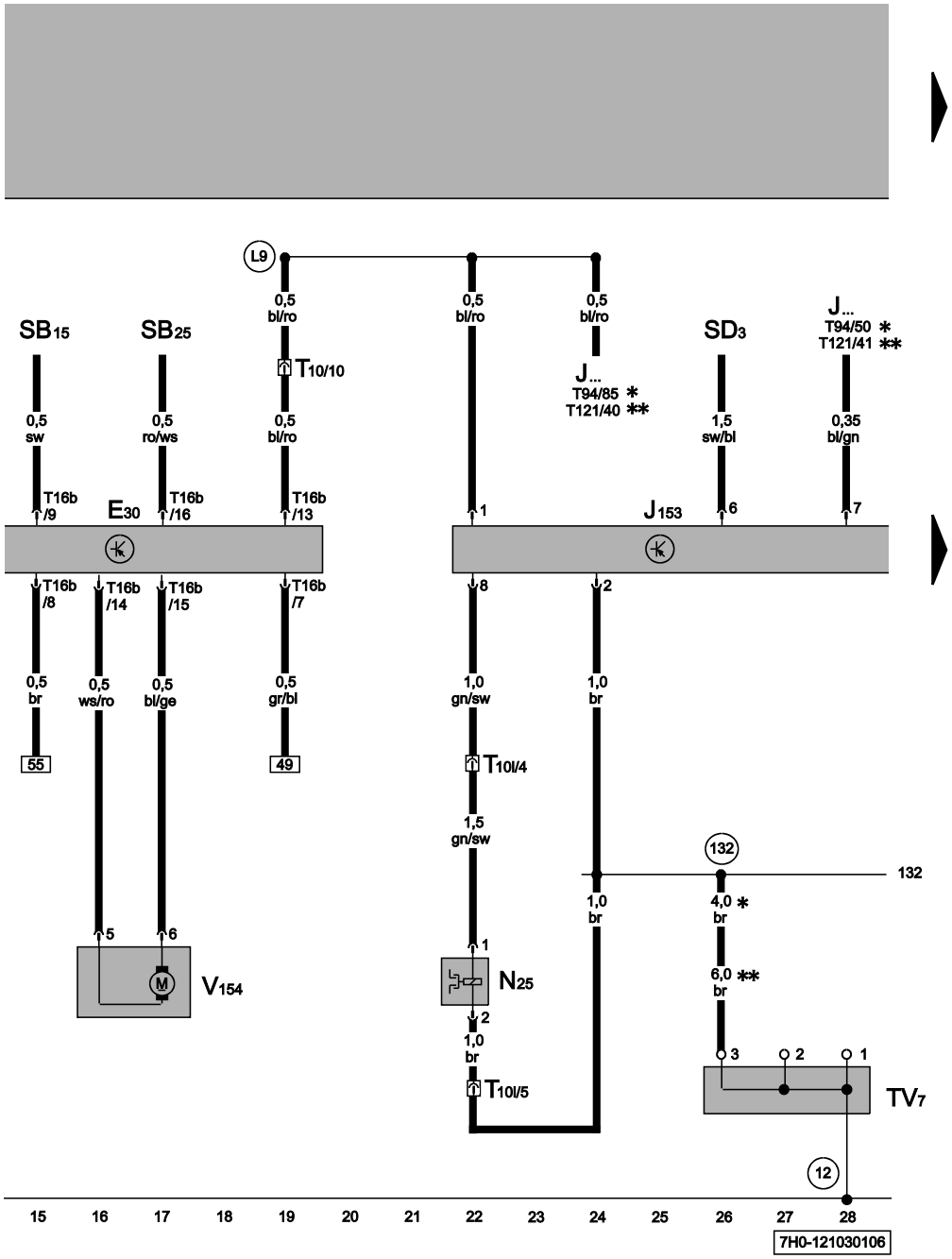
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder
SC30	Fuse 30 on fuse holder
T5d	5-pin connector
V2	Fresh air blower
49	Earth point, near bulkhead
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

<fo:external-graphic
for models without auxiliary coolant heater only

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gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

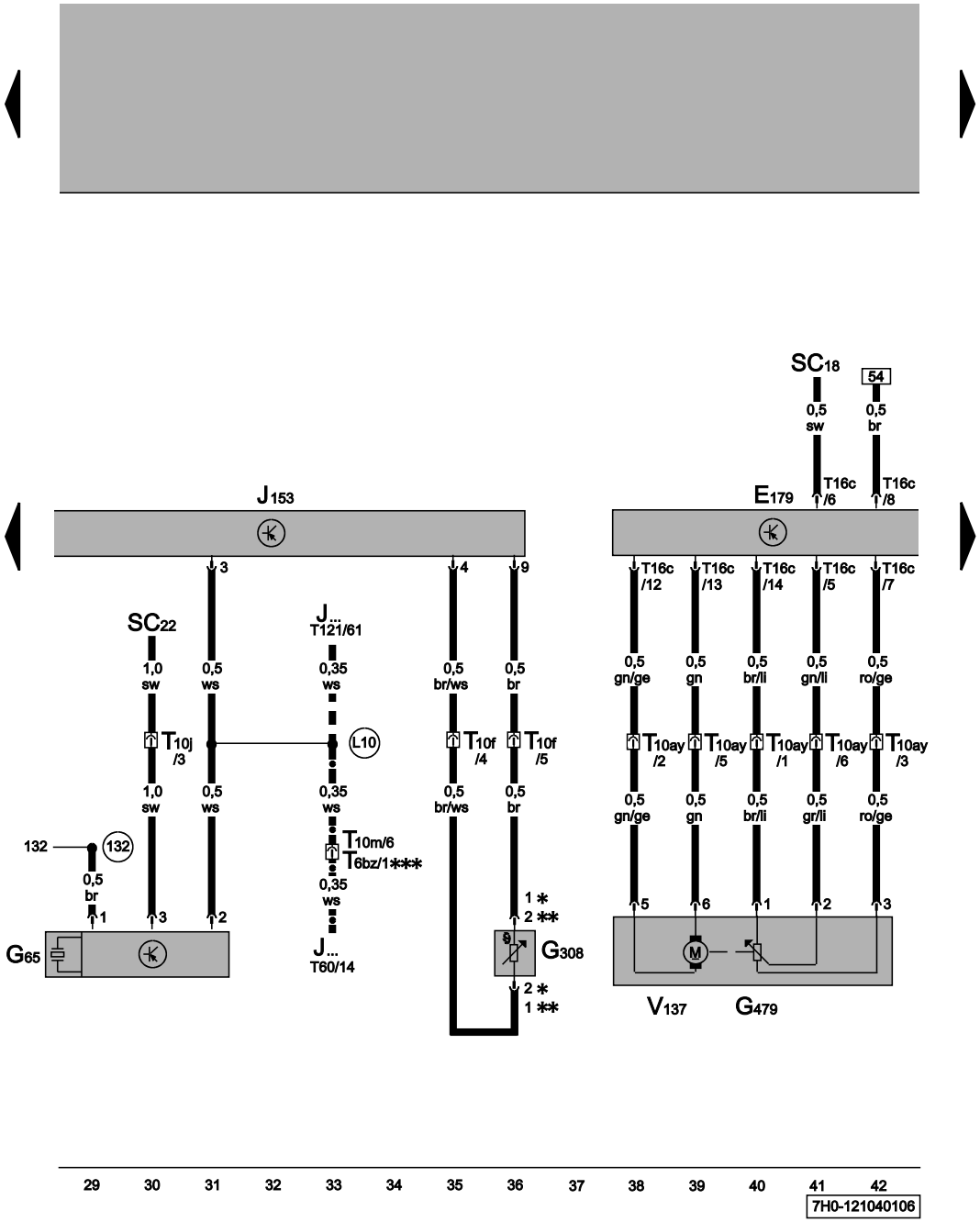
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioning system switch, Magnetic clutch control unit, air conditioning system magnetic coupling, fresh air/ recirculated air flap control motor

E30	Air conditioning system switch
J...	Engine control units
J153	Magnetic clutch control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder
SB25	Fuse 25 on fuse holder
SD3	Fuse 3 on fuse holder
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only



ws = white

Rear fresh air blower switch, evaporator temperature sensor, high pressure sender, magnetic clutch control unit, rear temperature flap control motor

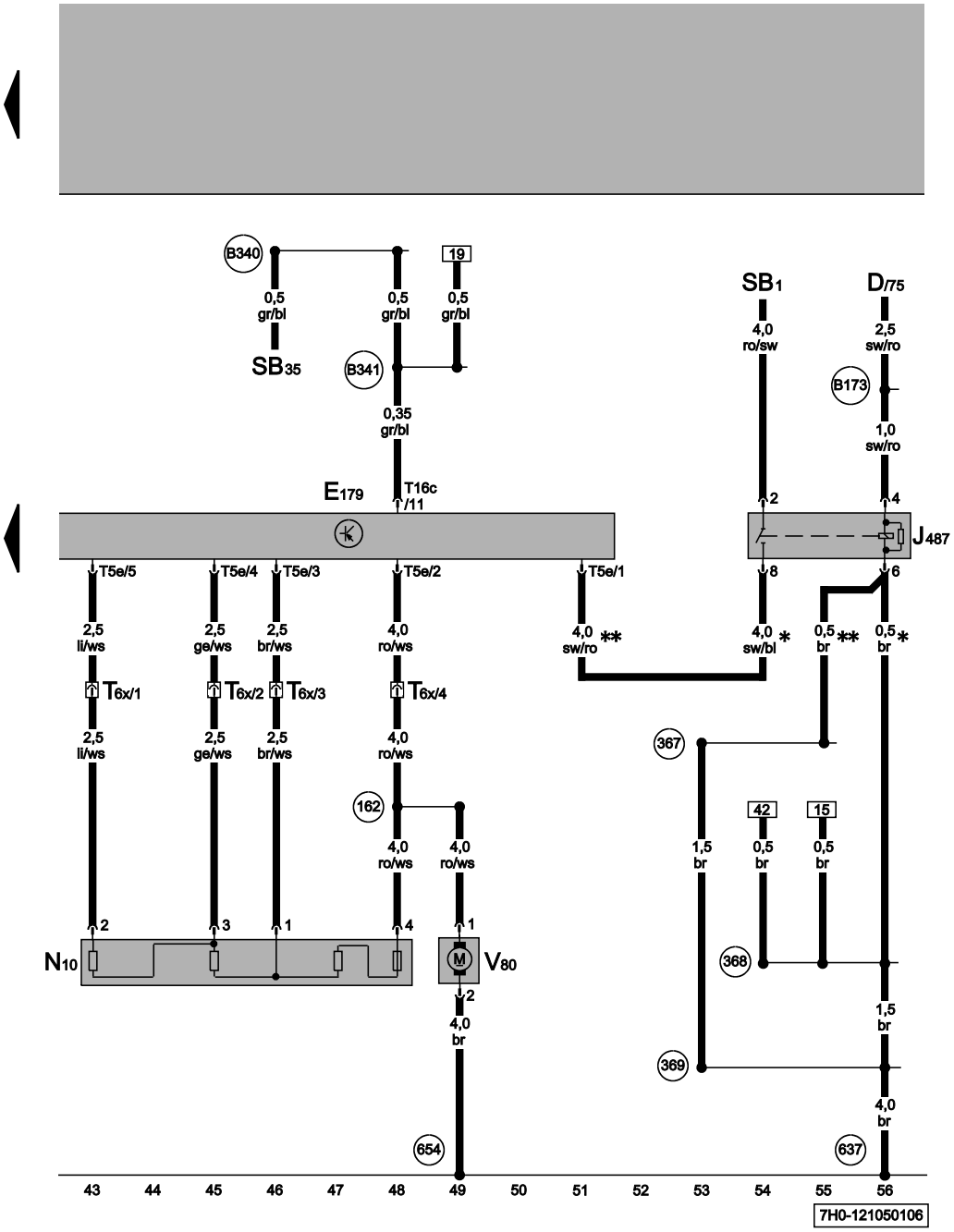
E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
J...	Engine control units
J153	Magnetic clutch control unit
SC18	Fuse 18 on fuse holder
SC22	Fuse 22 on fuse holder
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10m	10-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
V137	Rear temperature flap control motor
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	applicable up to March 2004
**	applicable from April 2004
***	applicable from June 2004

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models with engine codes AXB, AXC, BRR, BRS only

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

uniform"/
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder
SB35	Fuse 35 on fuse holder
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006

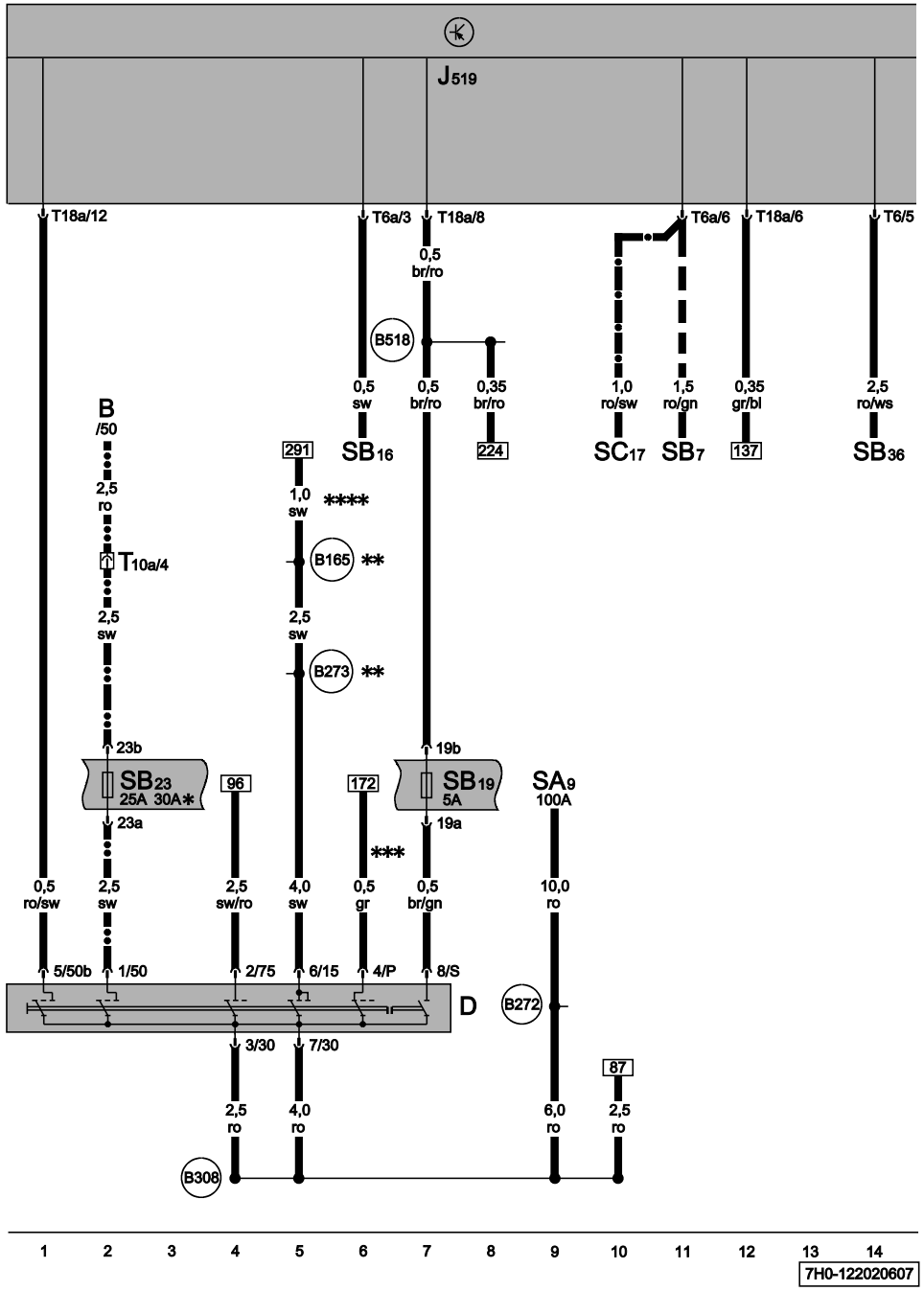
Basic equipment

⇒ **Cruise control system**
⇒ **Multifunction display**
⇒ **Extended servicing intervals**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



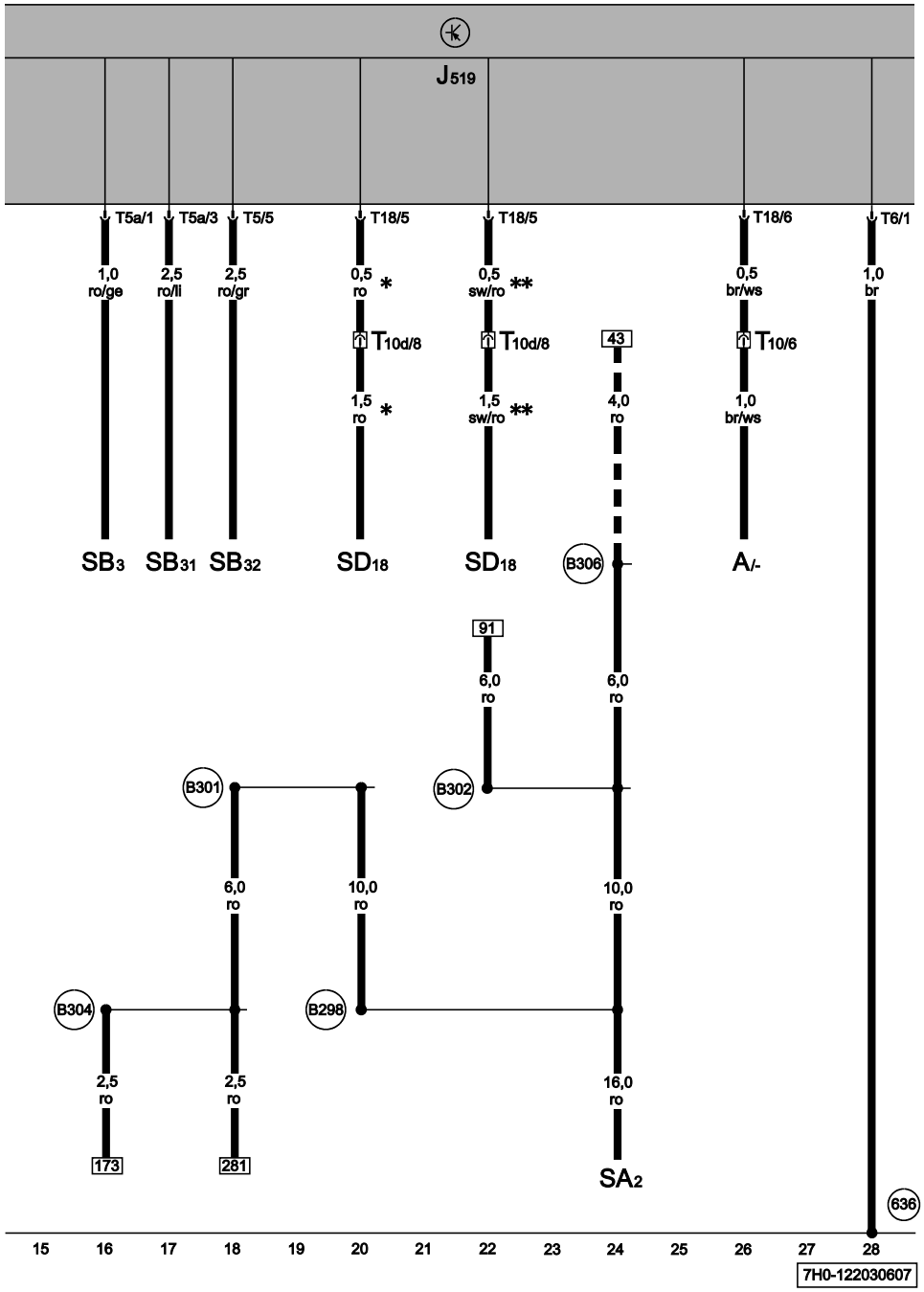
Onboard power supply control unit, ignition/starter switch, fuses

B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
*	applicable from January 2006
**	⇒ Fuse concept 2 Current Flow Diagram
***	for models without day driving light only
****	applicable up to December 2005
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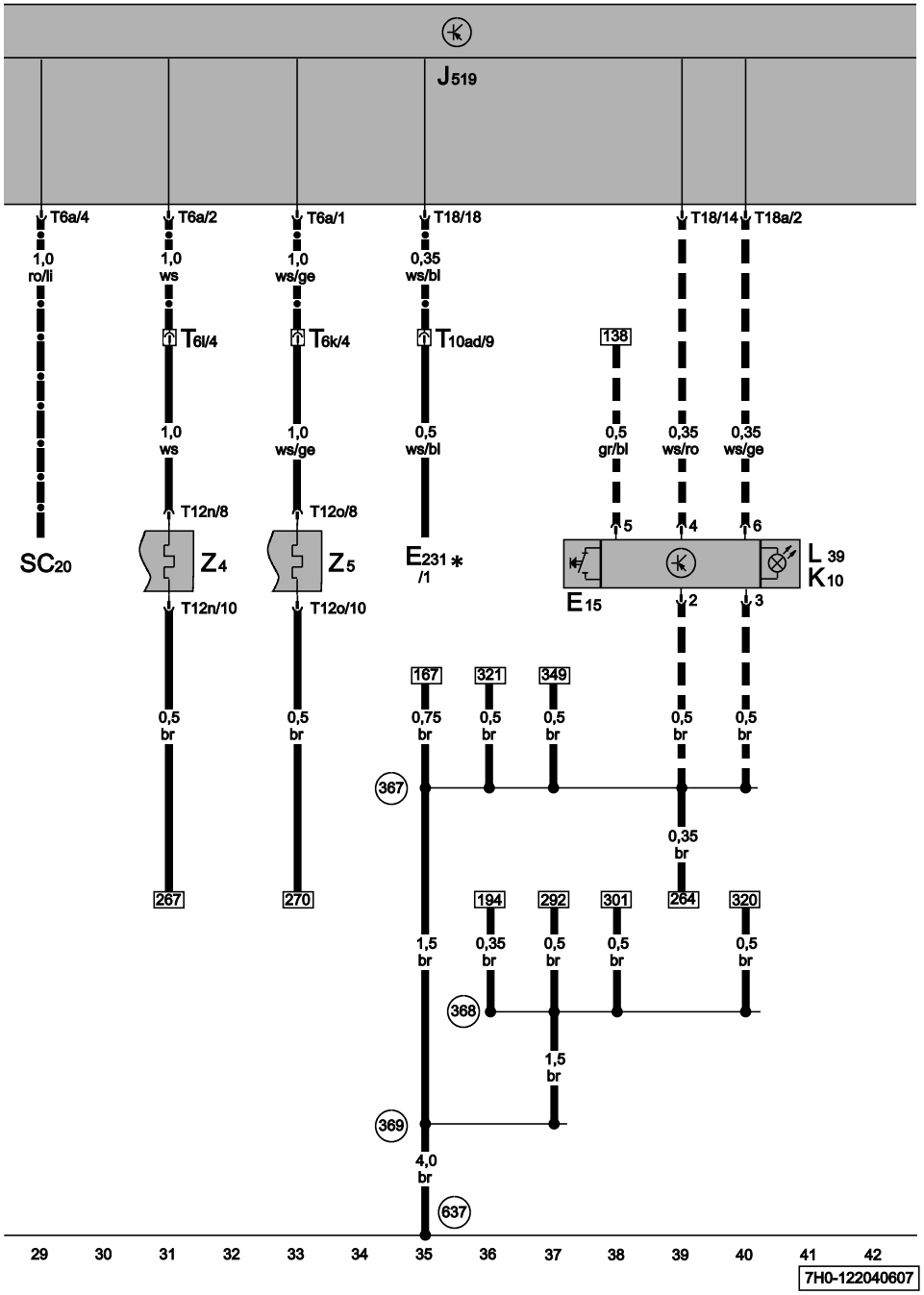


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Onboard power supply control unit, fuses

A	Battery
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SD18	Fuse 18 on fuse holder D
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
*	applicable up to August 2005
**	applicable from September 2005

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for models with heated rear window only



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Onboard power supply control unit, exterior mirror heater button, heated exterior mirror, heated rear window switch

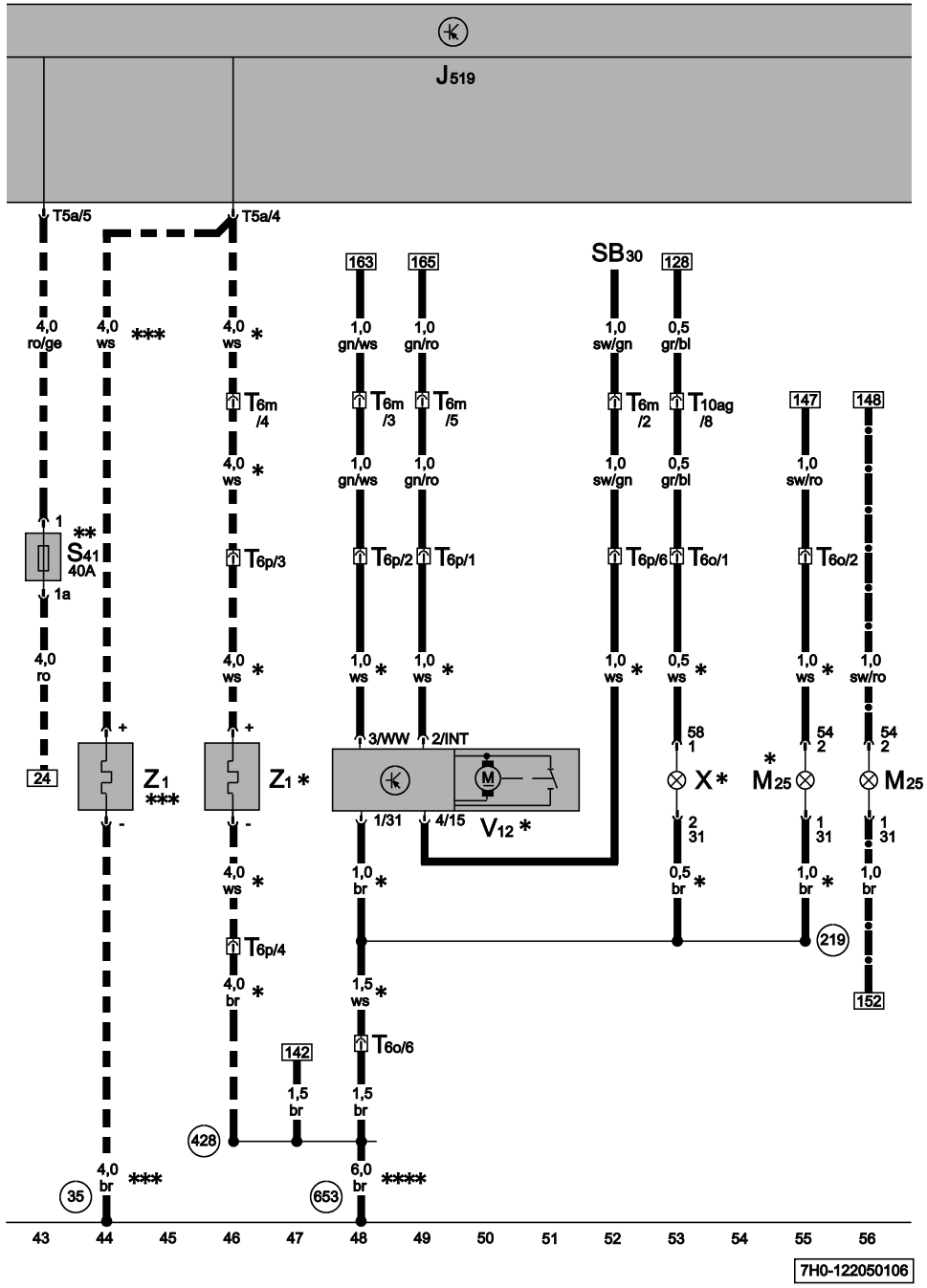
E15	Heated rear window switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
T18a	18-pin connector, brown
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	⇒ Current Flow Diagram: convenience system without window regulator

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for models with heated rear window only

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<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform" />

for models with heated exterior mirrors and without window regulator only



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Onboard supply control unit, heated rear window, rear window wiper motor, number plate light, high level brake light bulb

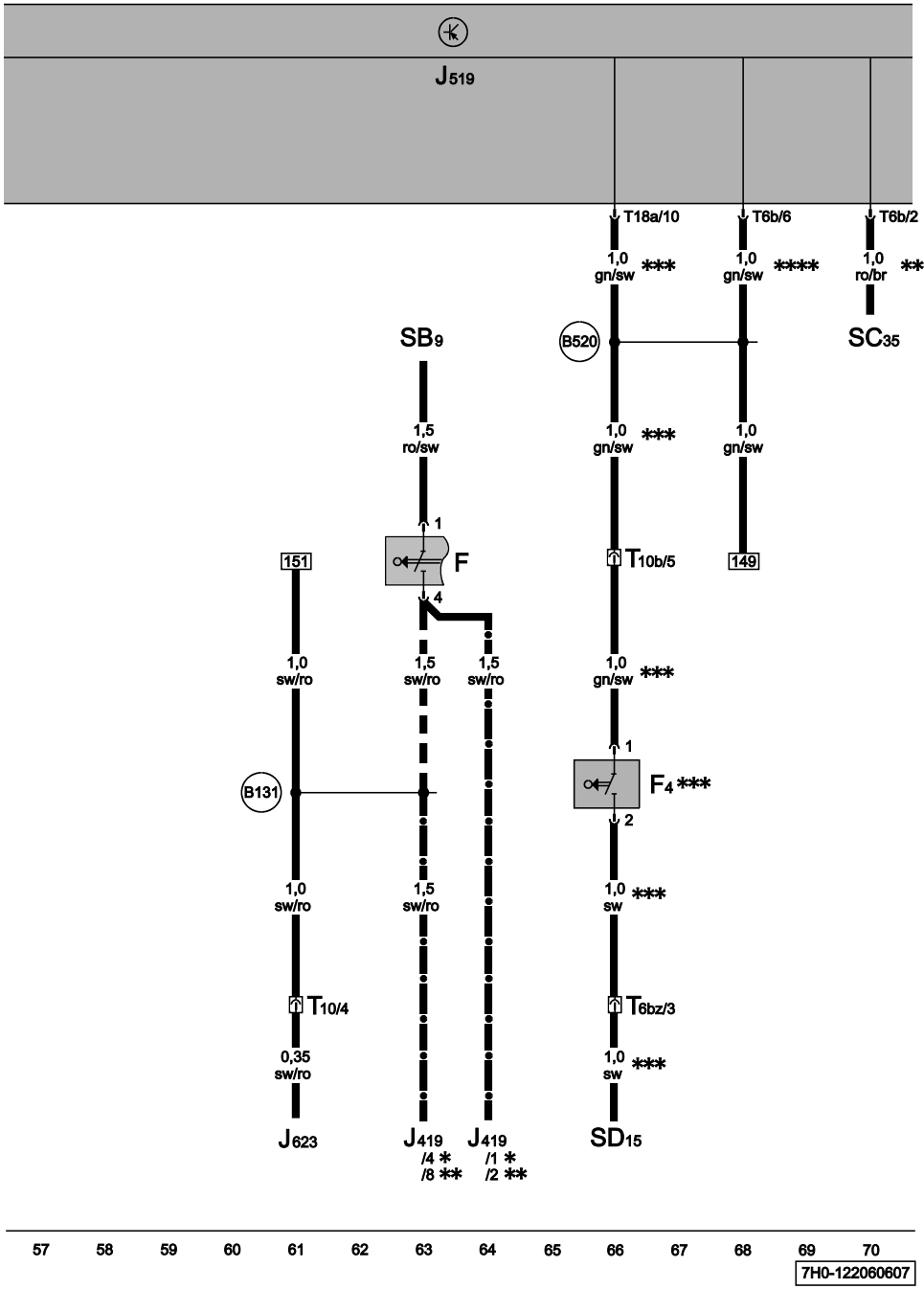
J519	Onboard supply control unit
M25	High level brake light bulb
S41	Heated rear window fuse
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
V12	Rear window wiper motor
X	Number plate light
Z1	Heated rear window
35	Earth point, under front passenger seat
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	on relay carrier (1) cockpit ⇒ Fitting Locations
***	for double cab and plank bed vehicles only
****	cross-section depends on equipment

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for models with heated rear window only

<fo:external-graphic
for models with high roof only

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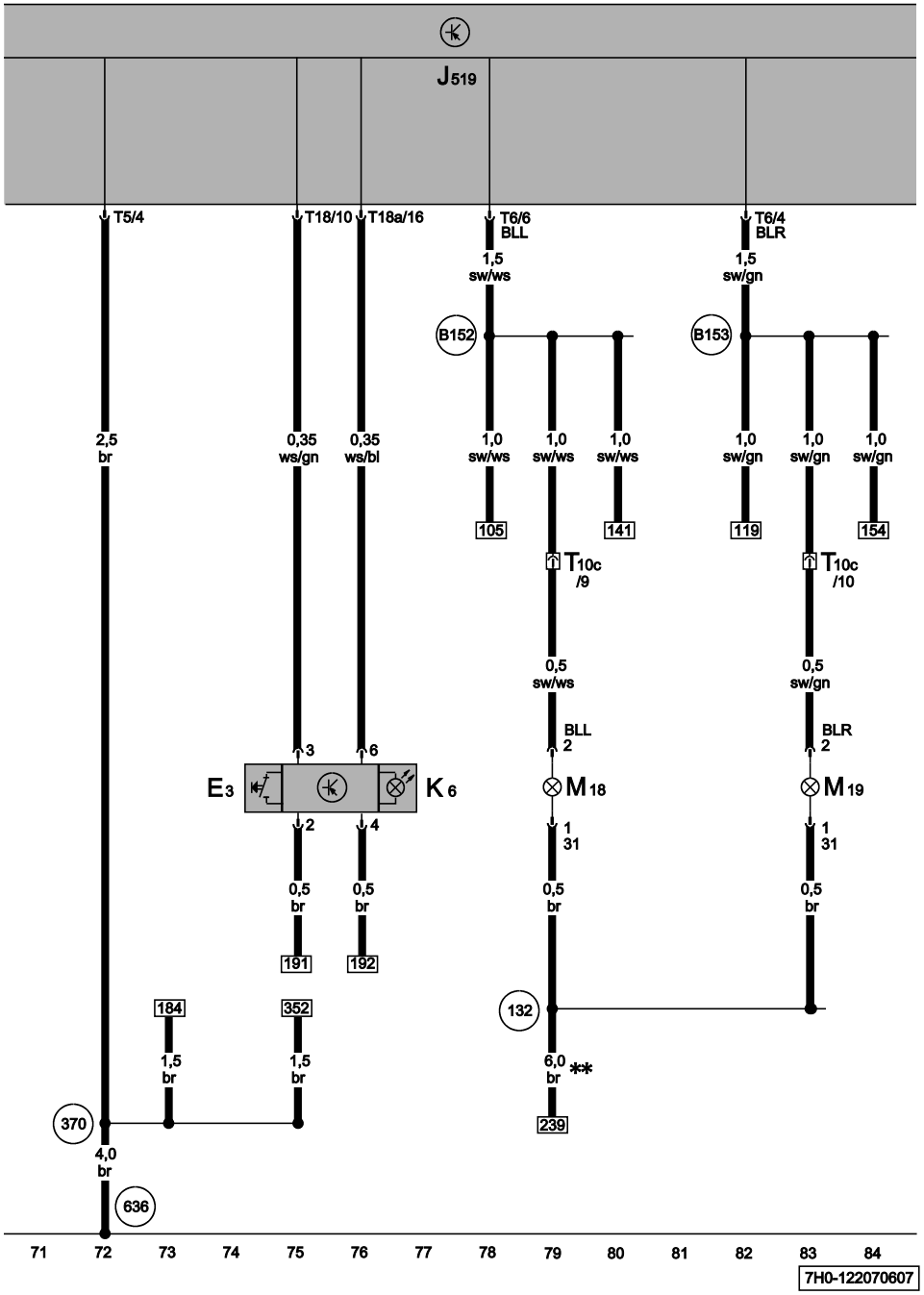
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Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	only models with ESP and without serial trailer towing coupling
**	only models with ESP and serial trailer towing coupling
***	for models with manual gearbox only
****	for models with automatic gearbox only
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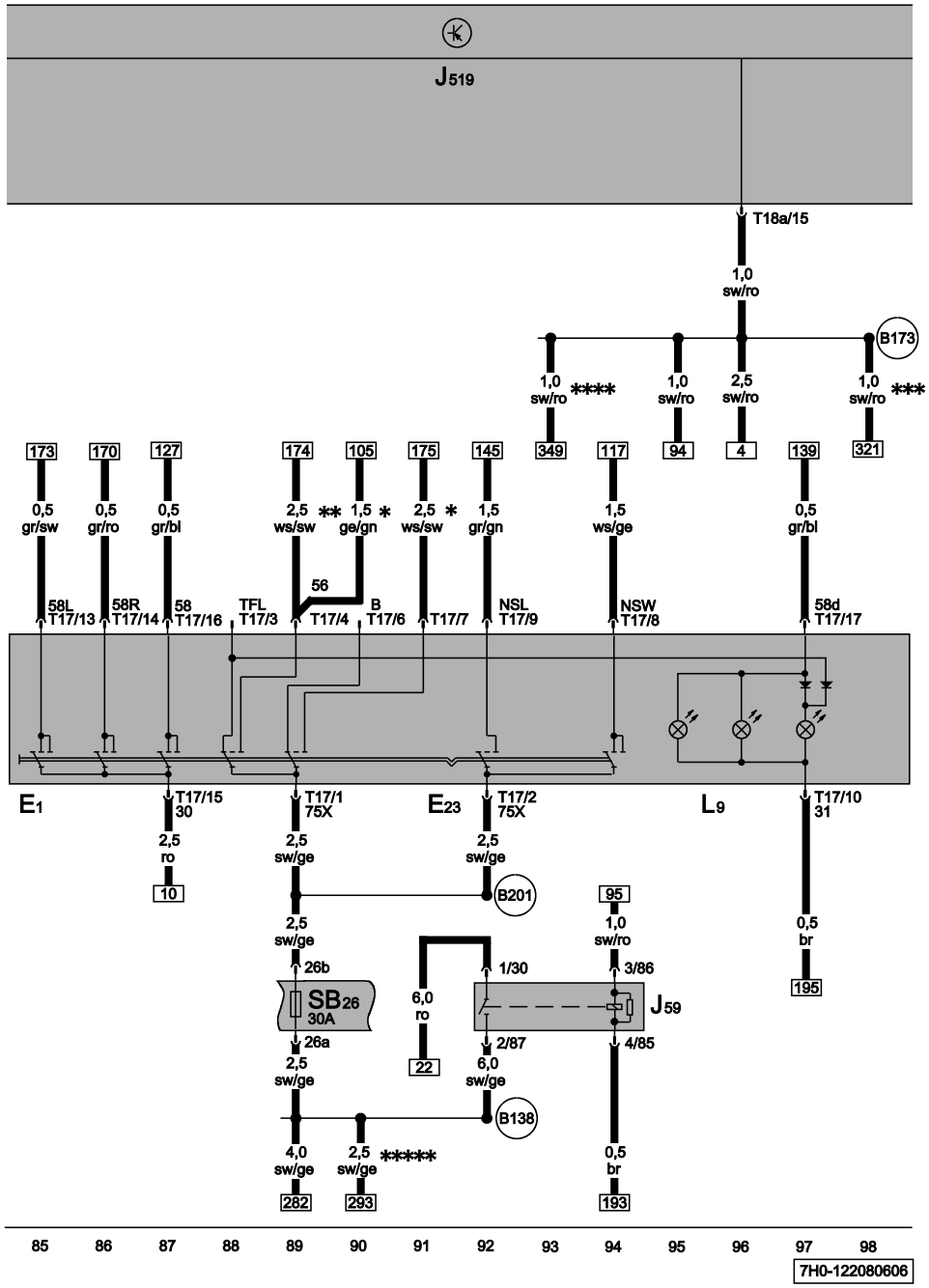
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ws = white
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Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

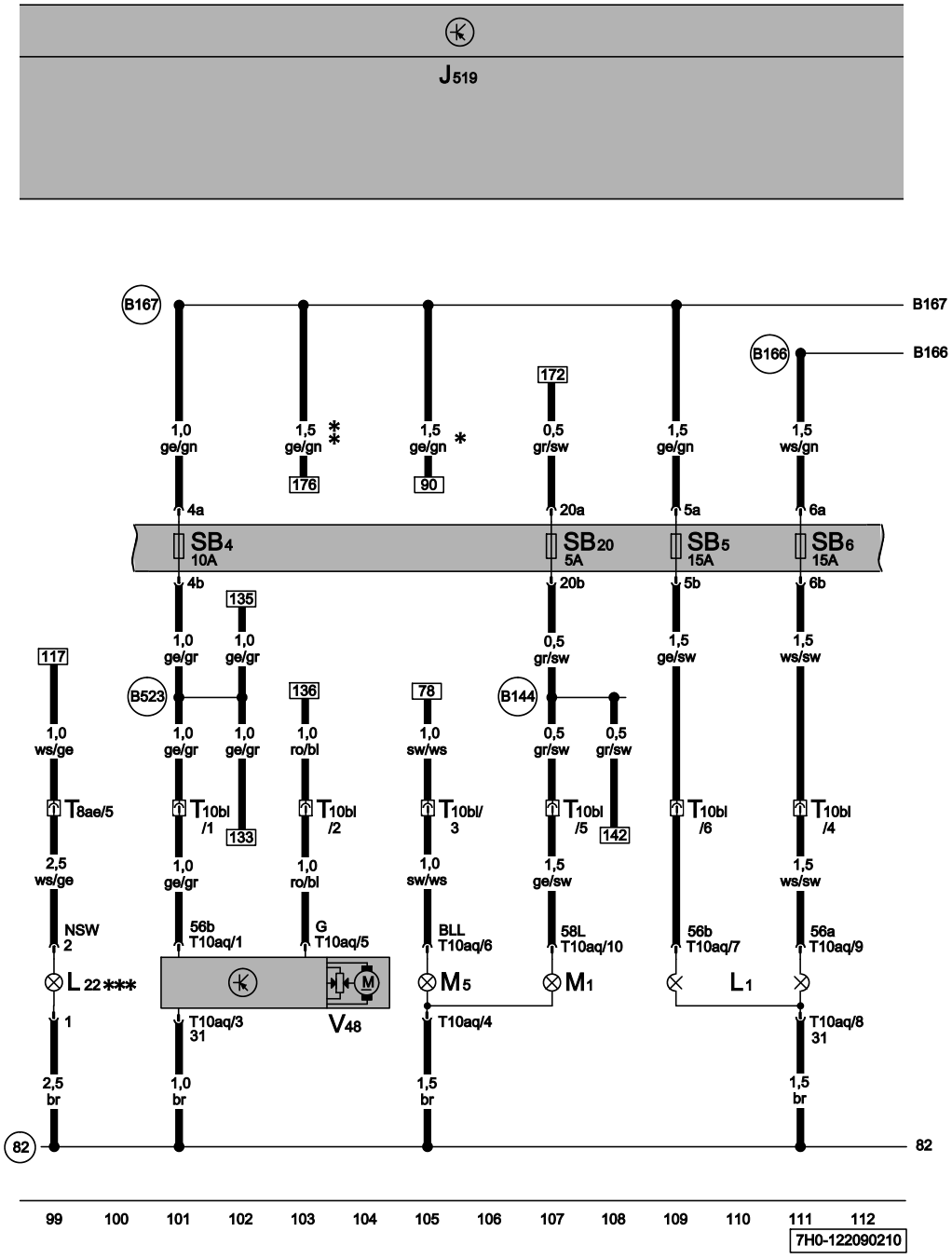
E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T5	5-pin connector, black
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
**	Cross-section 4.0 possible



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
***	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only
****	for camper only
*****	applicable from January 2006

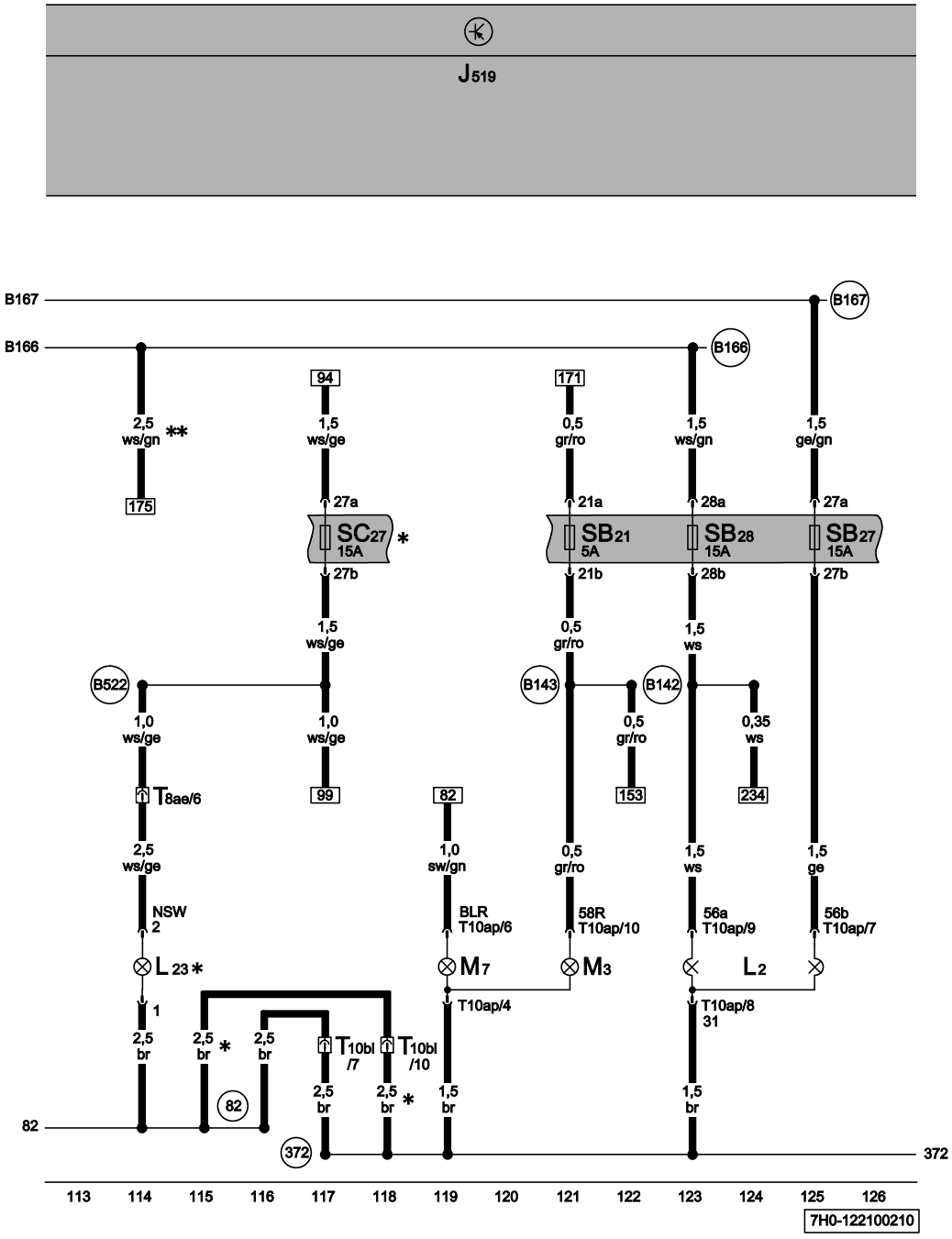
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rs	=	pink



ws = white
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ro = red
br = brown
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Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

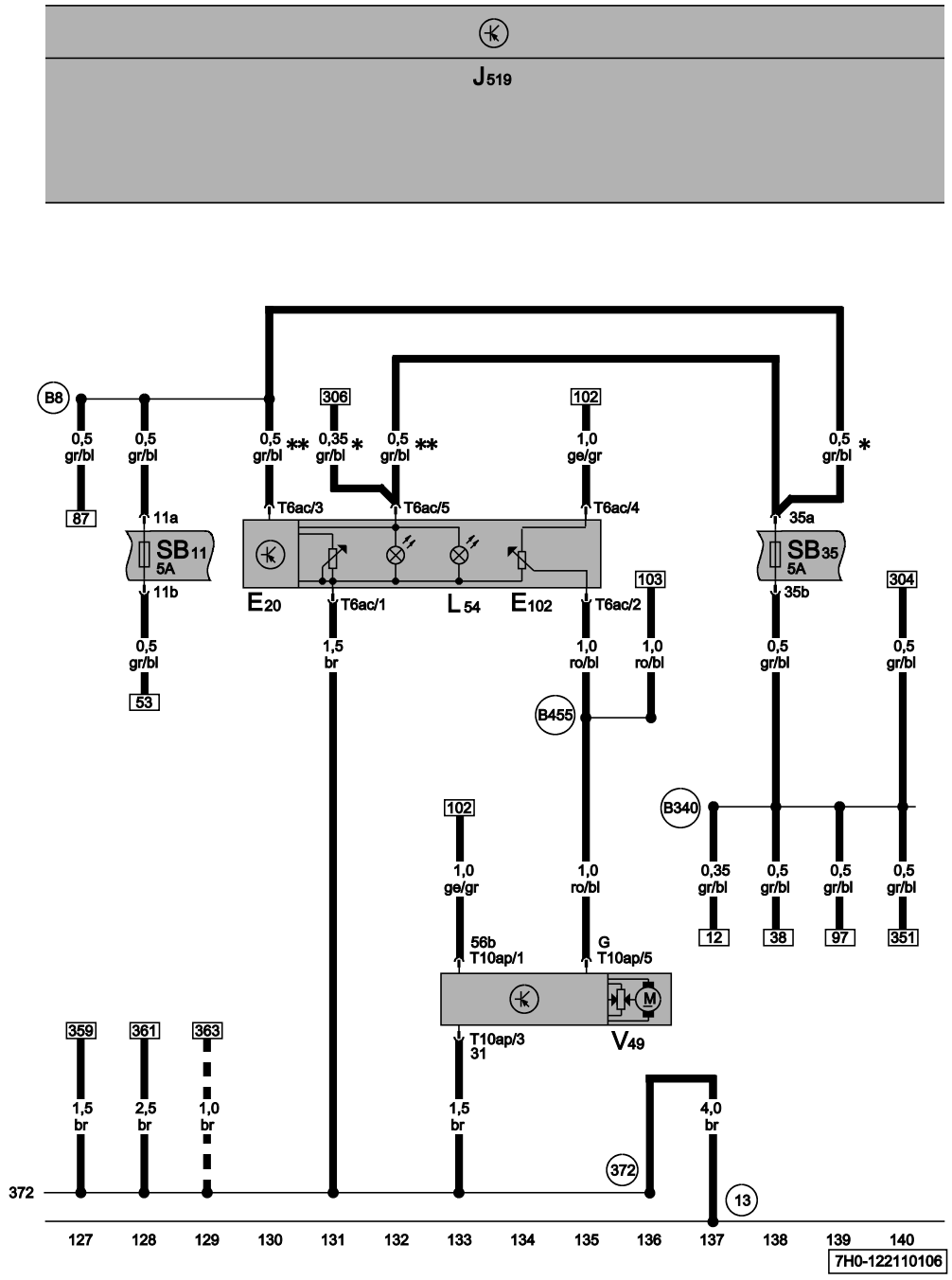
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	for multivan, camper Comfortline and caravelle only
**	applies only to commercial vehicles, multivan classic, camper and shuttle with base level of equipment
***	for models with front fog light only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right headlight twin filament bulb, right fog light bulb, right side light bulb, front right turn signal bulb

J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8ae	8-pin connector, black, near headlight, front right
T10bl	10-pin connector, black, near front right headlight
T10ap	10-pin connector, black, on right of headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only

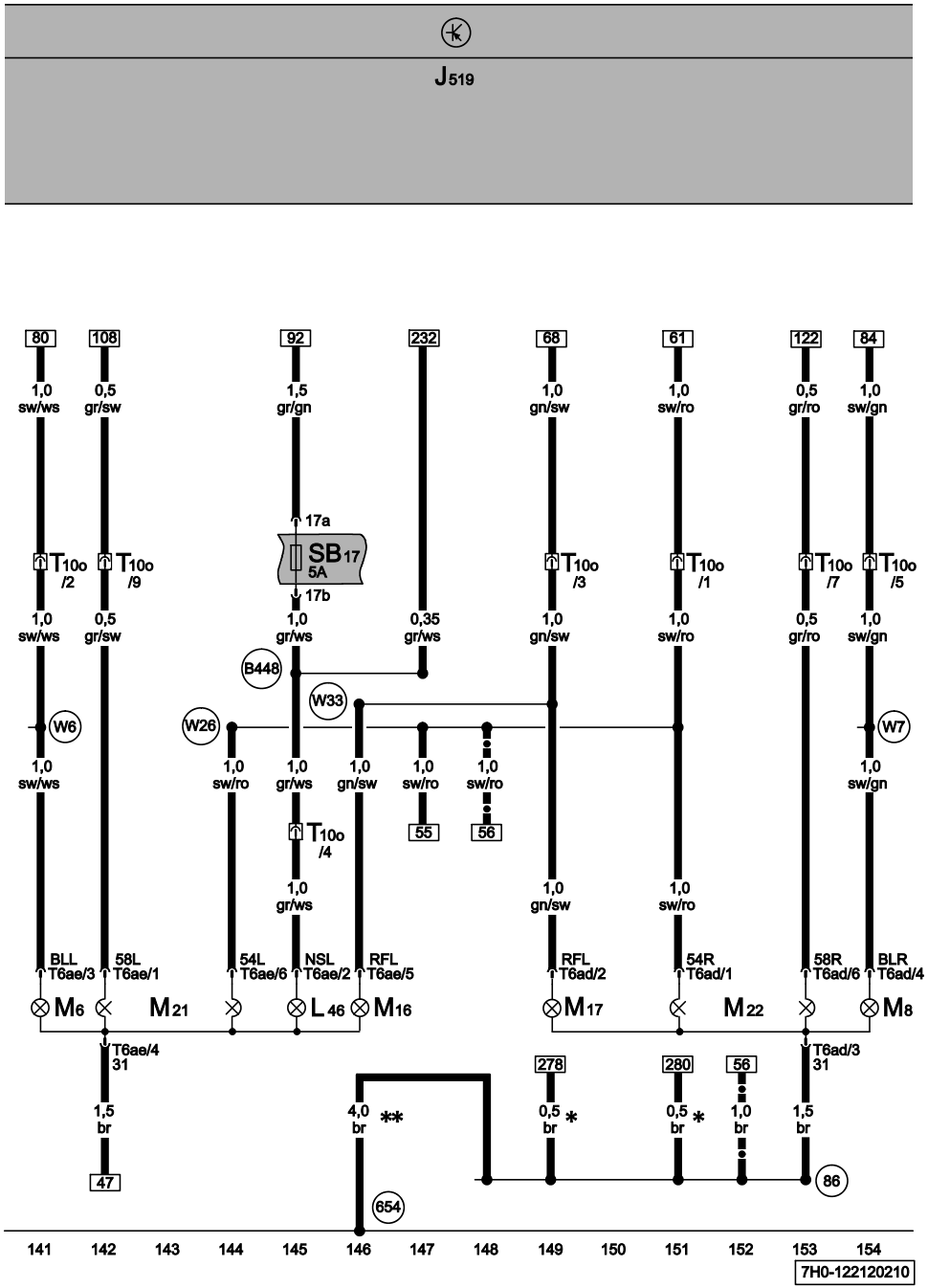


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li = purple
ge = yellow
or = orange
rs = pink

Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only

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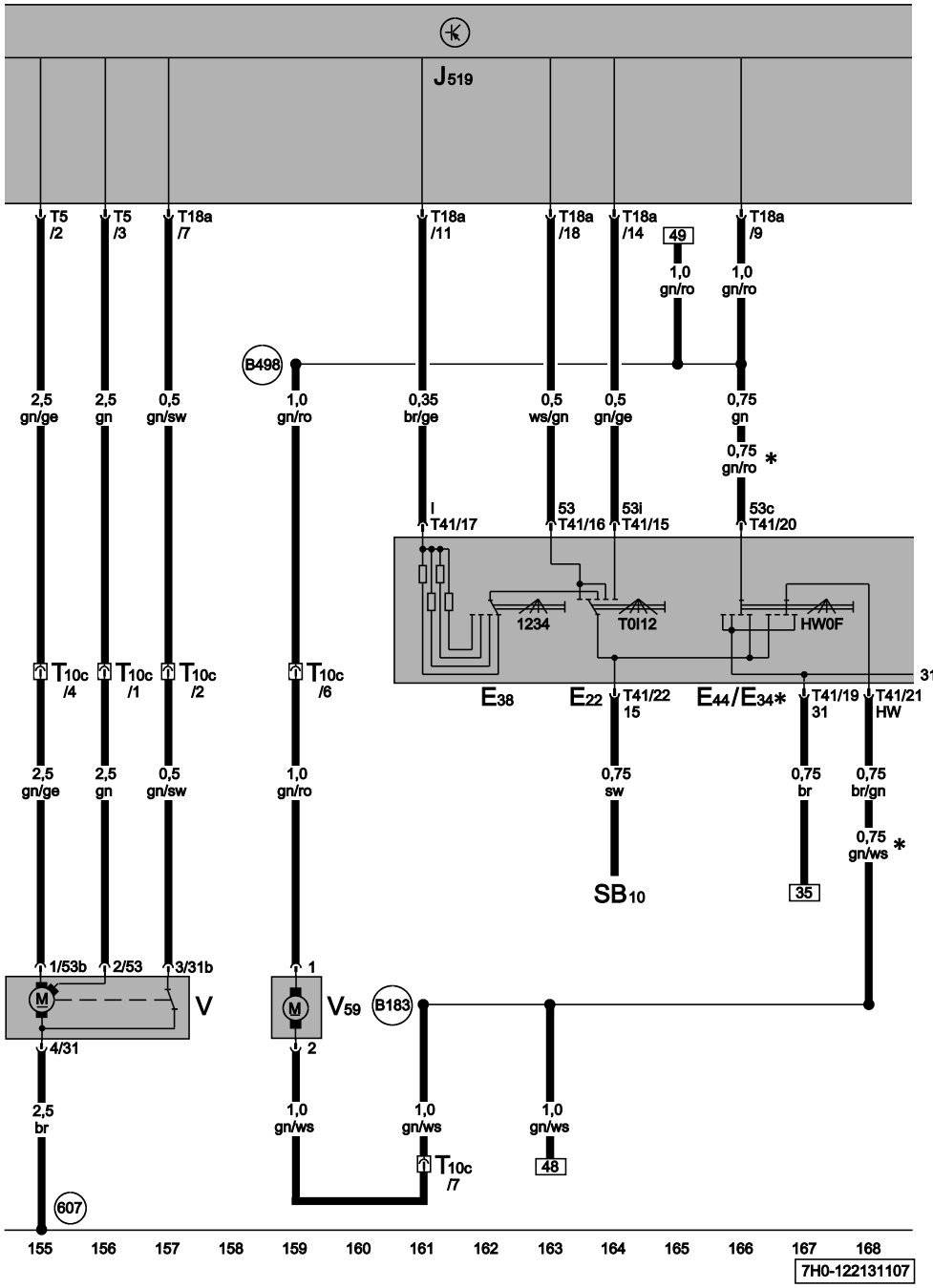
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Left brake and tail light bulb, right brake and tail light bulb, reversing light

J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
SB17	Fuse 17 on fuse holder B
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B448	Connection (rear fog light), in main wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models without anti-theft alarm system only ⇒ Current Flow Diagram for convenience system anti-theft alarm system
**	cross-section depends on equipment
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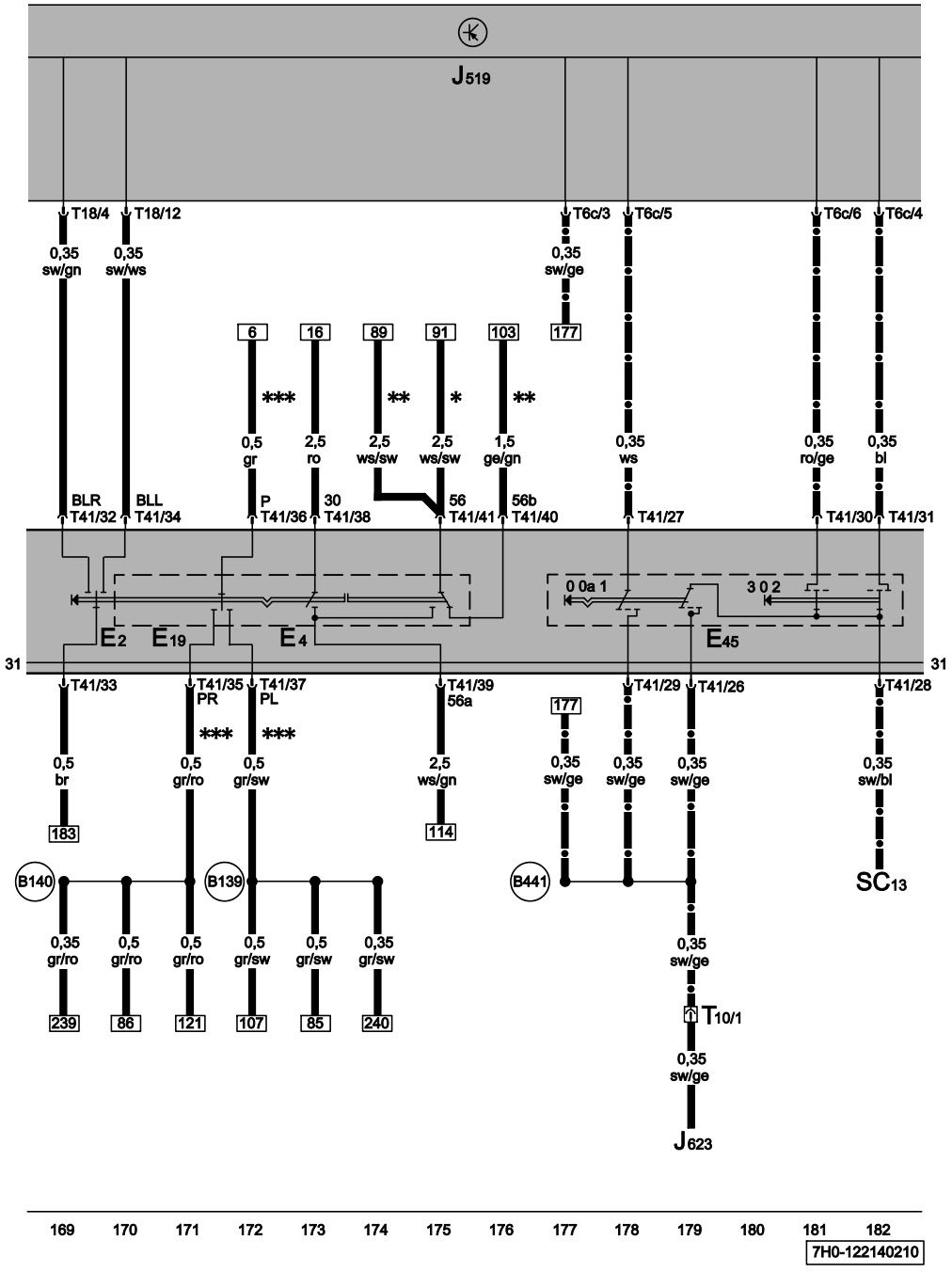
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li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

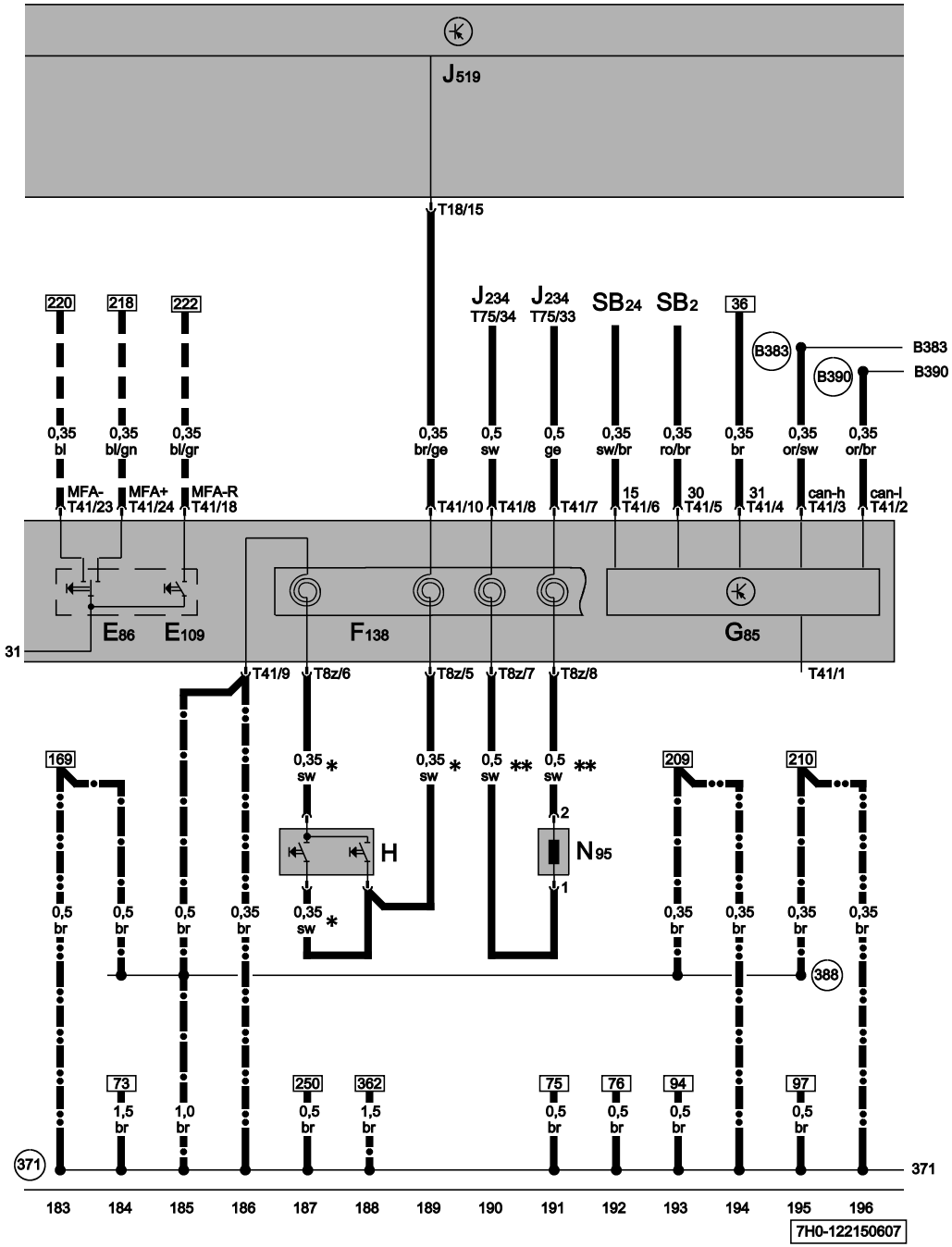
E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	applicable from January 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J519	Onboard supply control unit
J623	Engine control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	For multivan or camper Comfortline only
**	applies only to commercial vehicles or Camper/Shuttle with base level of equipment
***	for models without day driving light only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with cruise control system and without multifunction steering wheel only



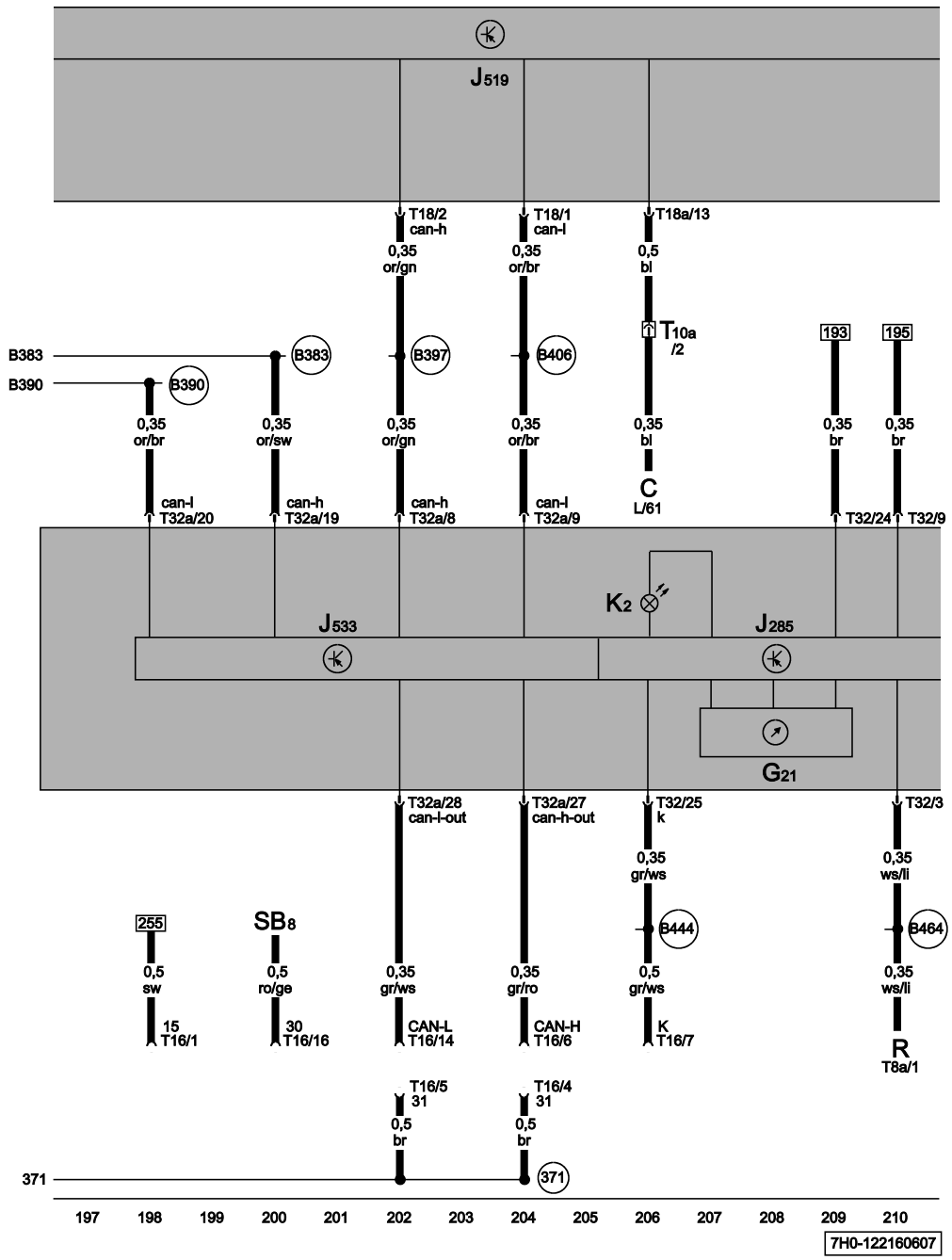
Onboard supply control unit, multifunction display, horn plate, driver side airbag igniter, airbag coil connector/ return spring with slip ring, steering angle sender

E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models without multifunction steering wheel only
**	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
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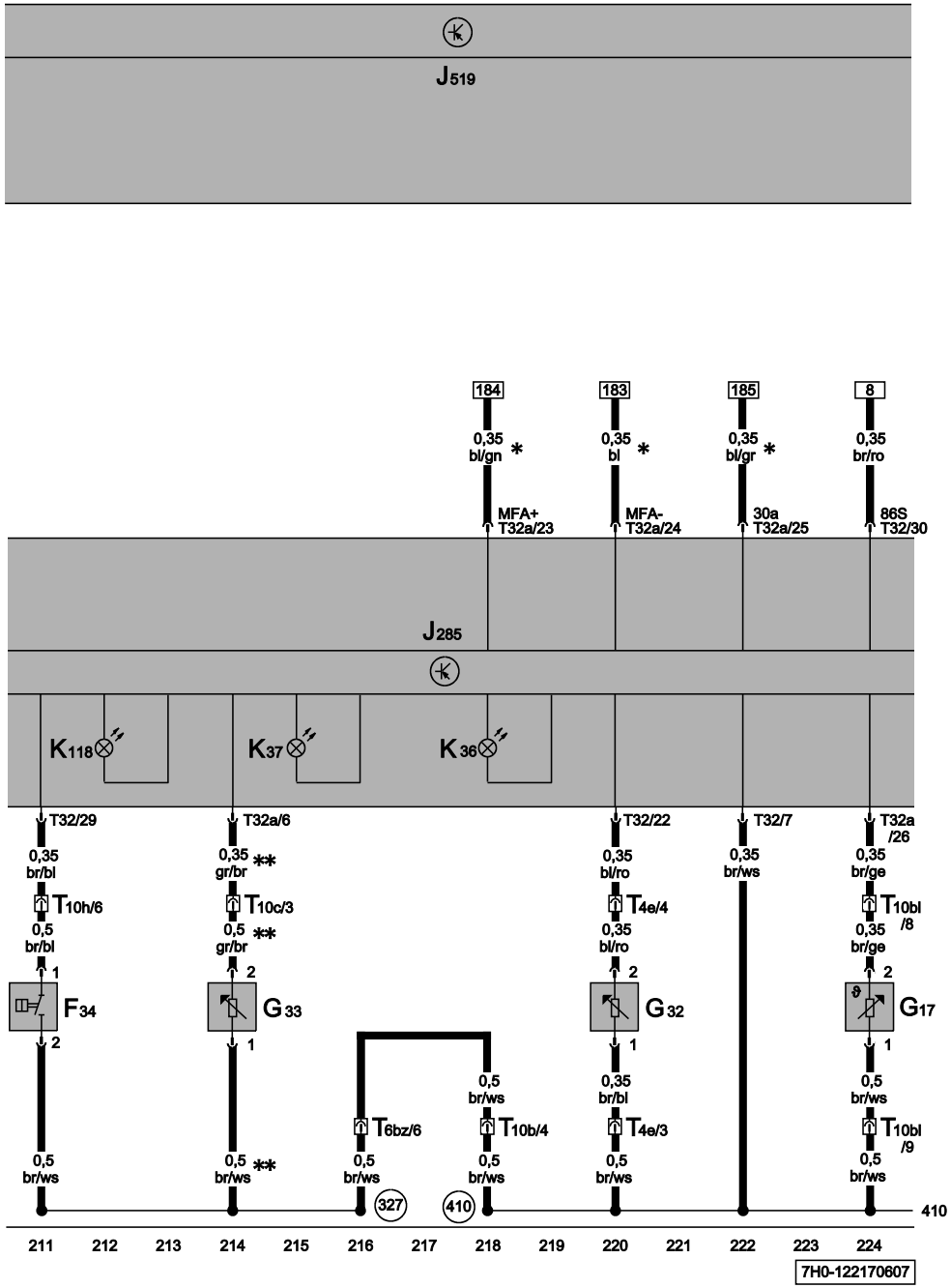
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, control unit in dash panel insert, diagnostic connector, data bus diagnostic interface, alternator, speedometer

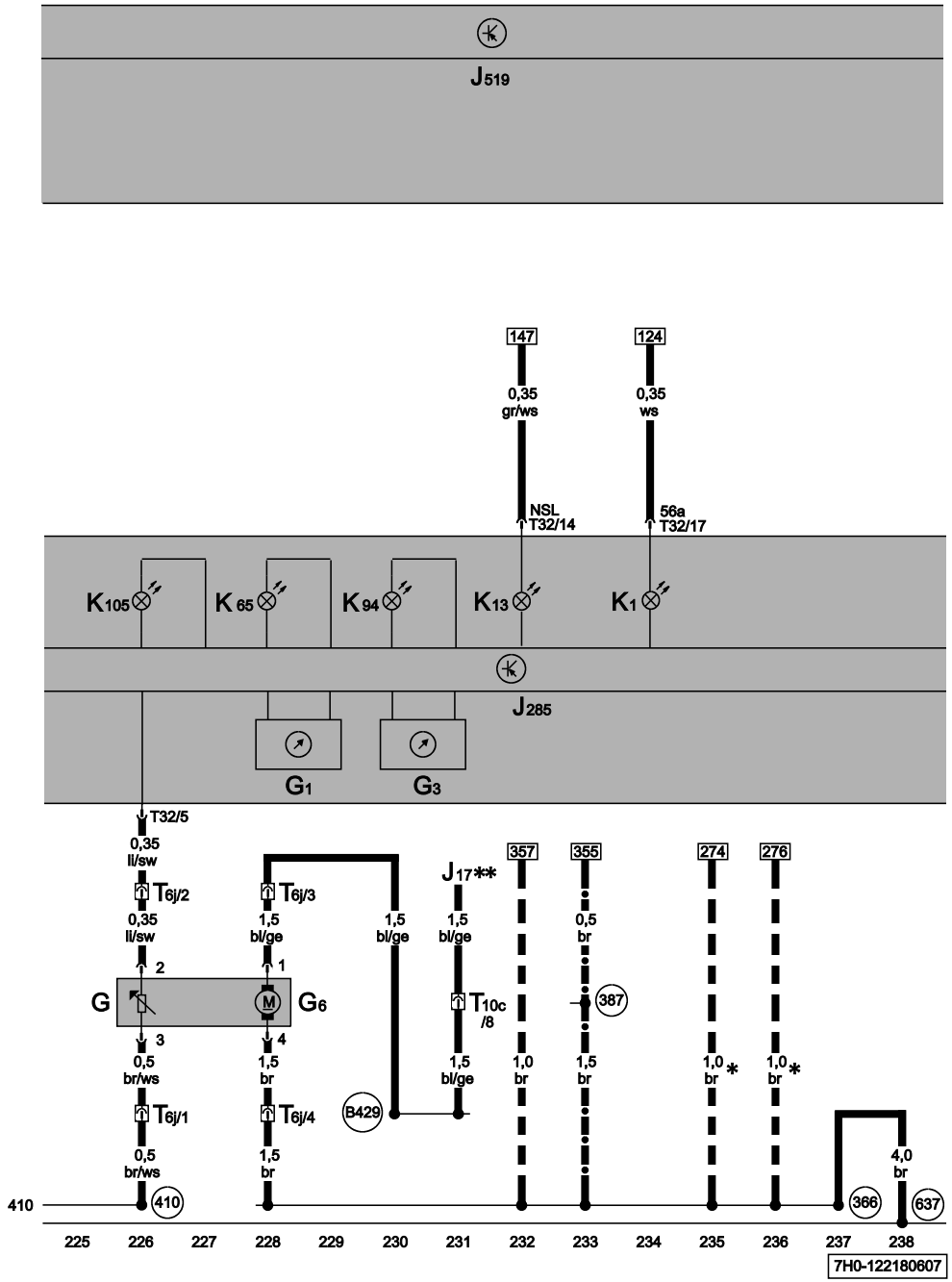
C	Alternator
G21	Speedometer
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K2	Alternator warning lamp
R	Radio
SB8	Fuse 8 on fuse holder B
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only
**	for models with windscreen washer fluid level sender only



Dash panel insert, fuel gauge, coolant temperature gauge, warning lamps, fuel pump

G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	for models without anti-theft alarm system only ⇒ Current Flow Diagram for convenience system anti-theft alarm system
**	⇒ engine Current Flow Diagram

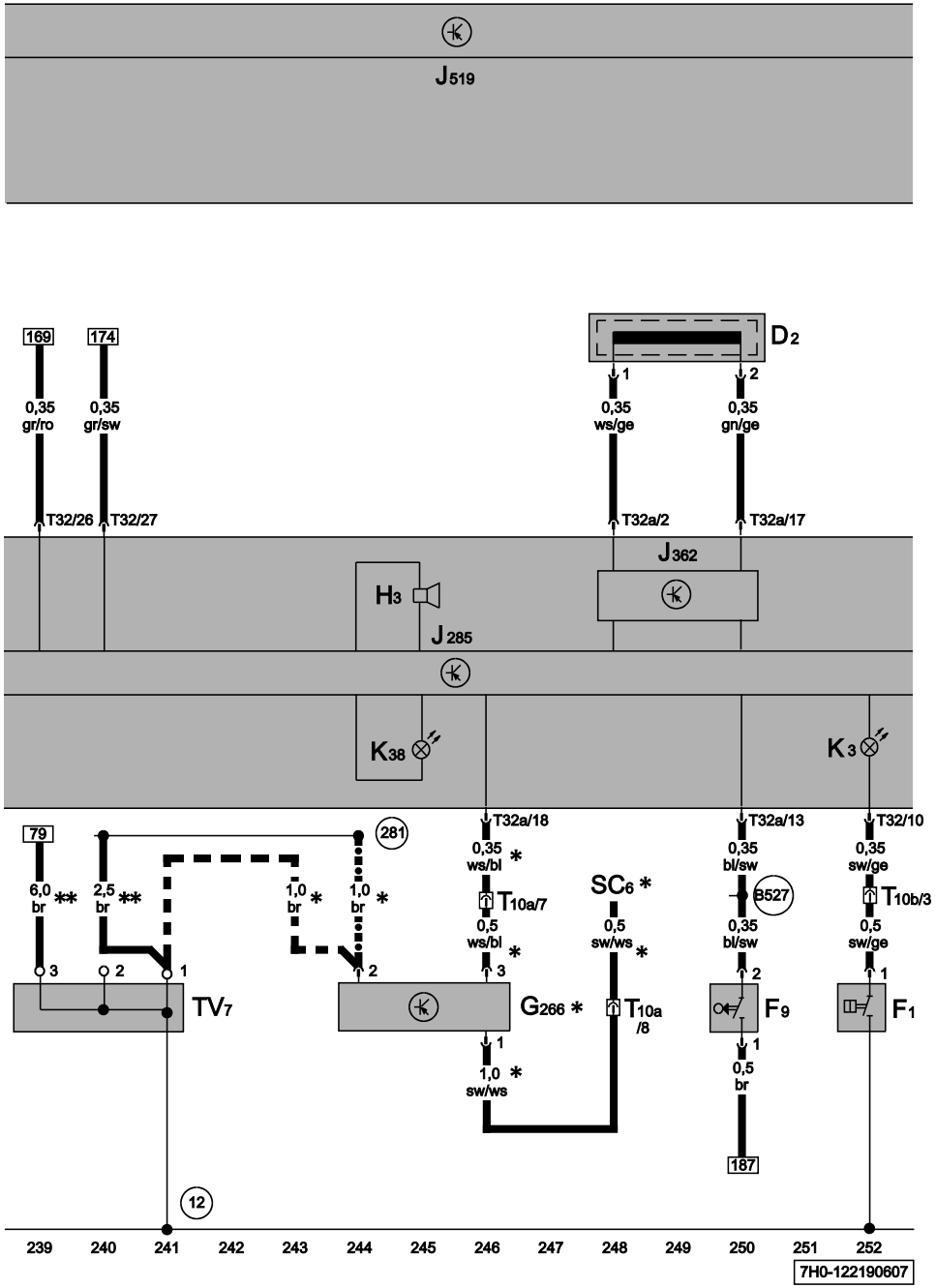
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applicable up to December 2005

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li	=	purple
ge	=	yellow
or	=	orange
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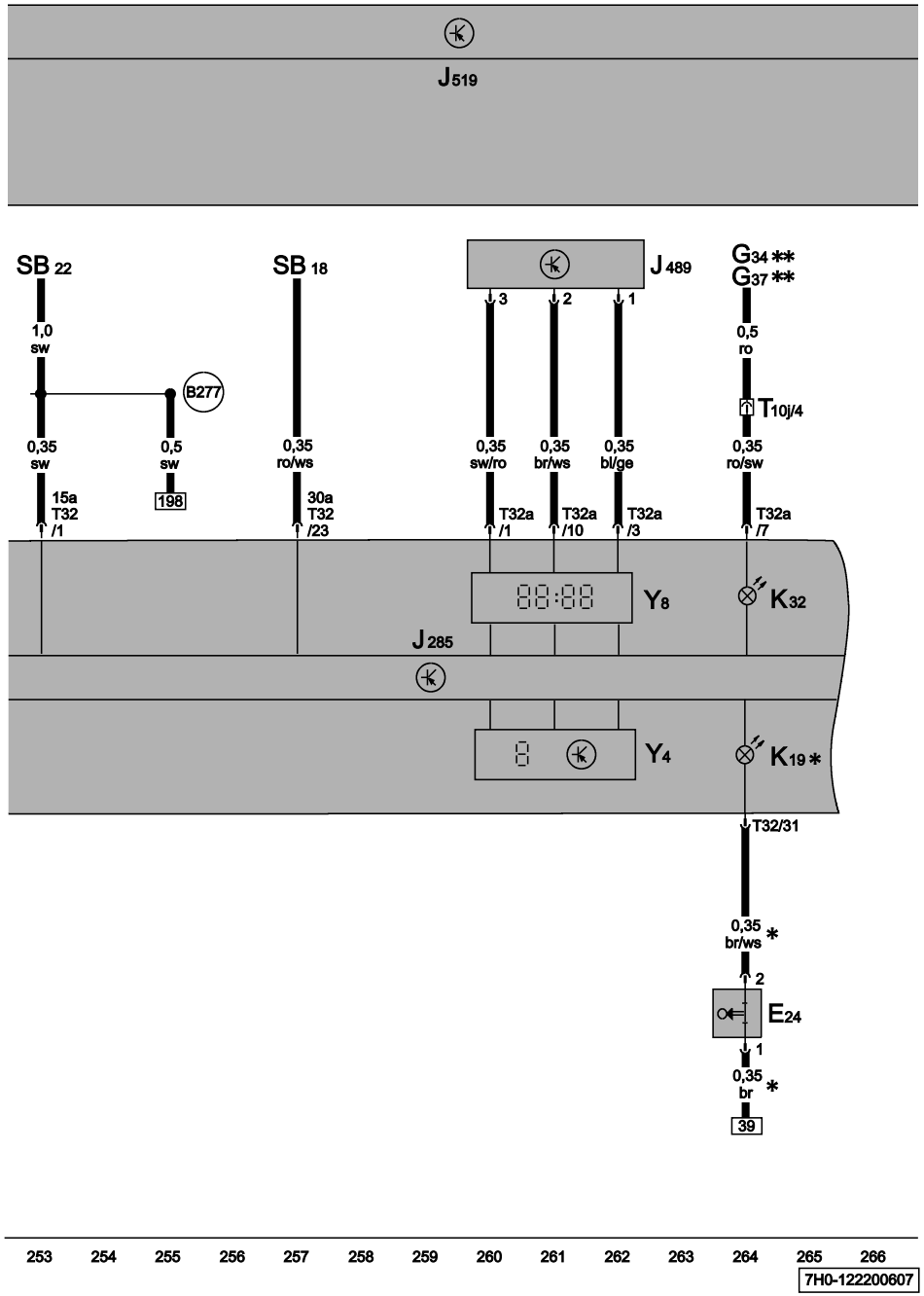
Dash panel insert, warning lamps, oil pressure switch, oil level and oil temperature sender, handbrake warning switch, immobilizer

D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B527	Connection (handbrake), in main wiring harness
*	for models with extended servicing intervals only
**	Cross-section 4.0 possible
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or	=	orange
rs	=	pink

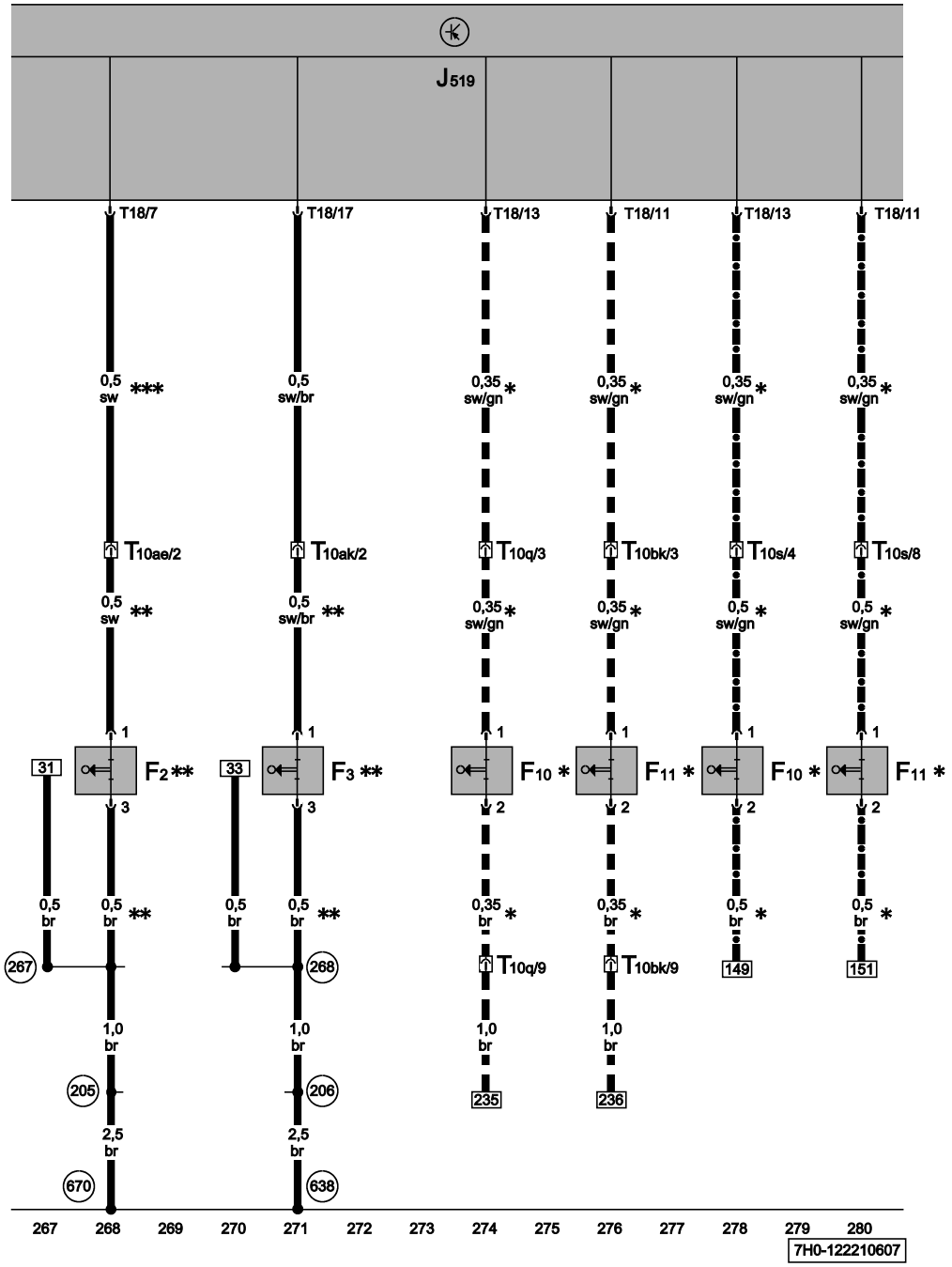
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Dash panel insert, seat belt warning system warning lamp, brake pad warning lamp, belt switch, brake pad wear sender, radio controlled clock

E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J519	Onboard supply control unit
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	for models with belt switch only
**	⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard supply control unit, door contact switch

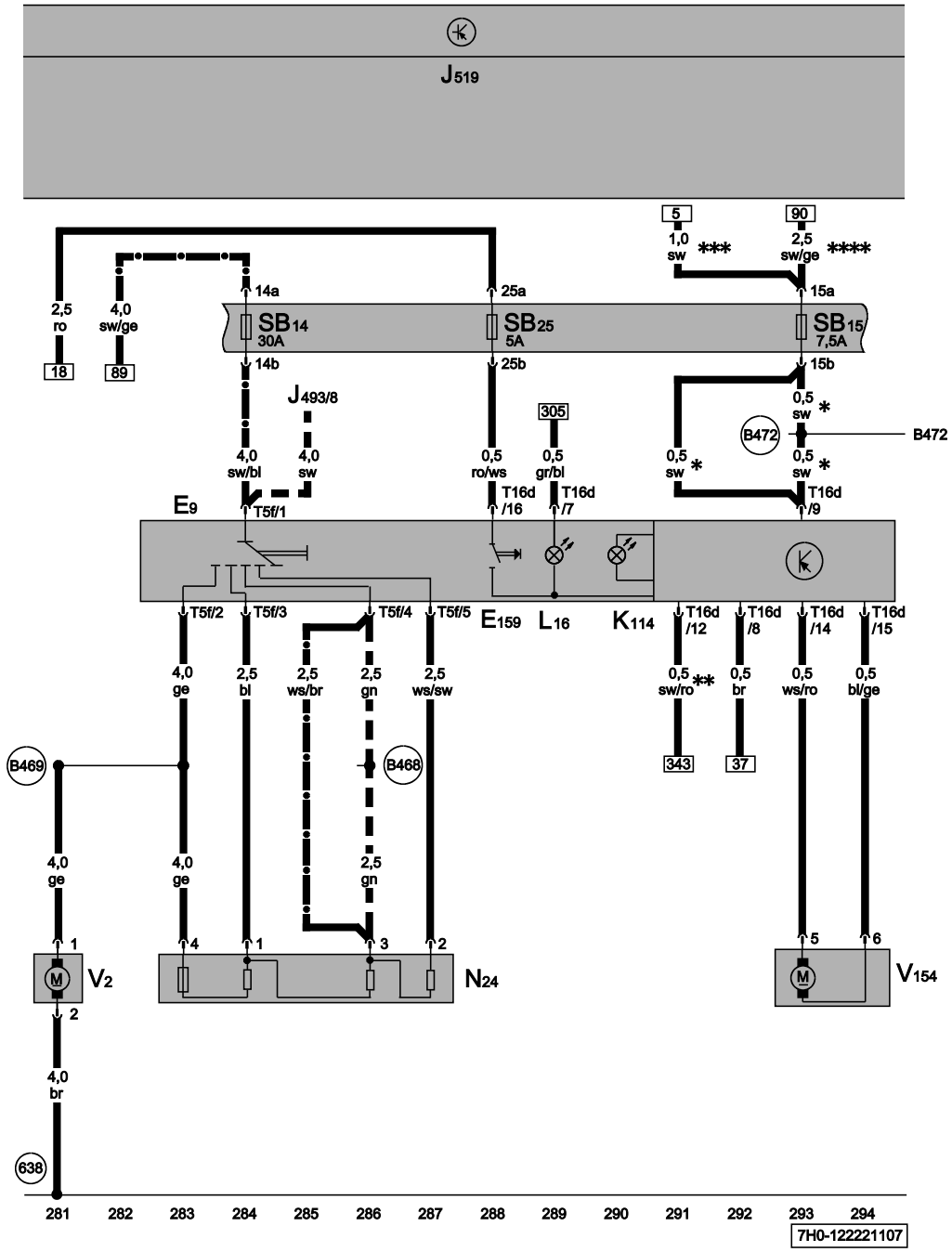
F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models without anti-theft alarm system only ⇒ Current Flow Diagram for convenience system anti-theft alarm system
**	for models without central locking only
***	for models without taxi equipment only

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applicable up to December 2005

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ws = white

Fuses, fresh air blower switch, fresh air and air recirculation flap switch, fresh air blower, fresh air and air recirculation flap control motor

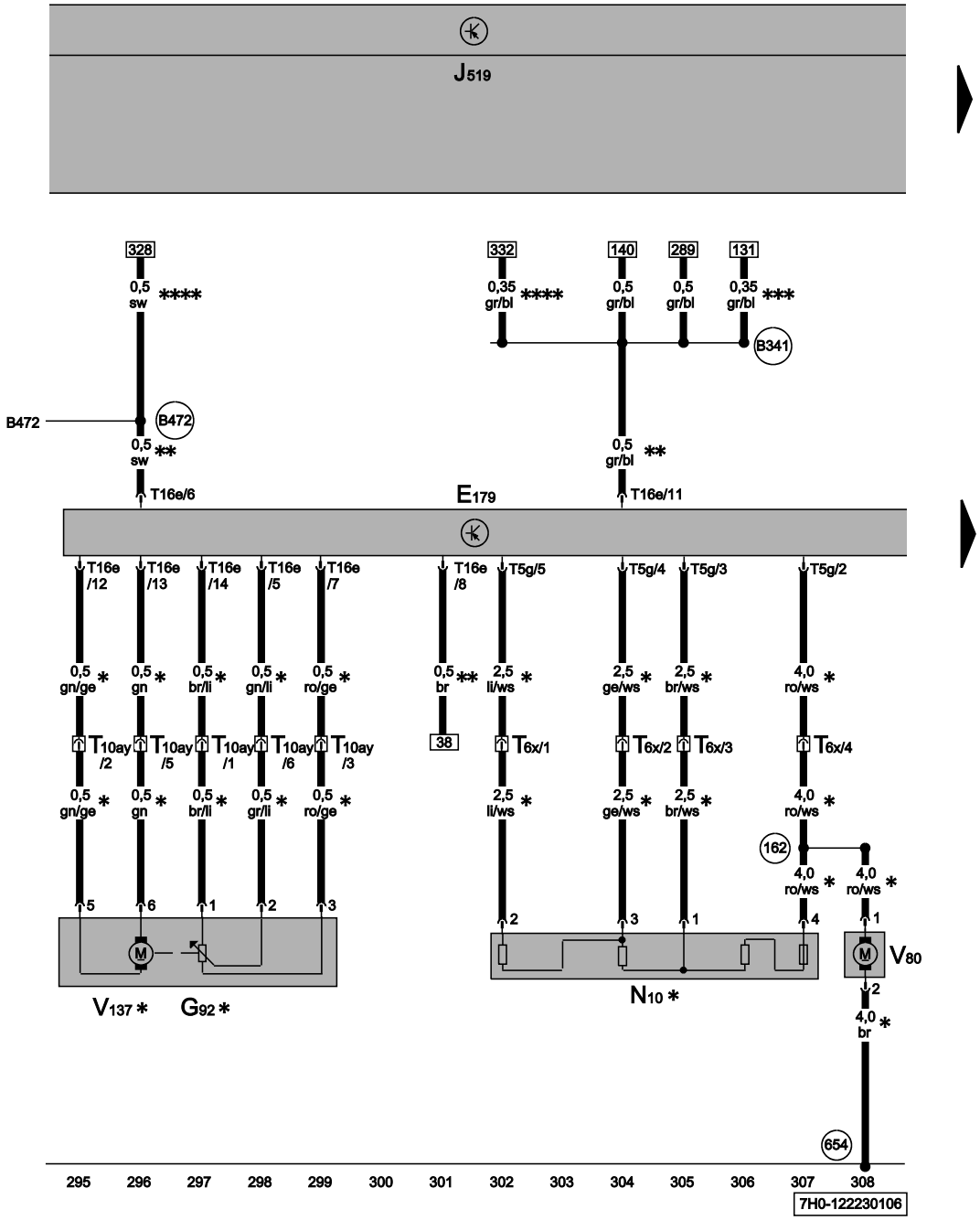
E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness
*	depends on equipment
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, for camper applicable from April 2006
***	applicable up to December 2005
****	applicable from January 2006

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for models without auxiliary coolant heater only

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

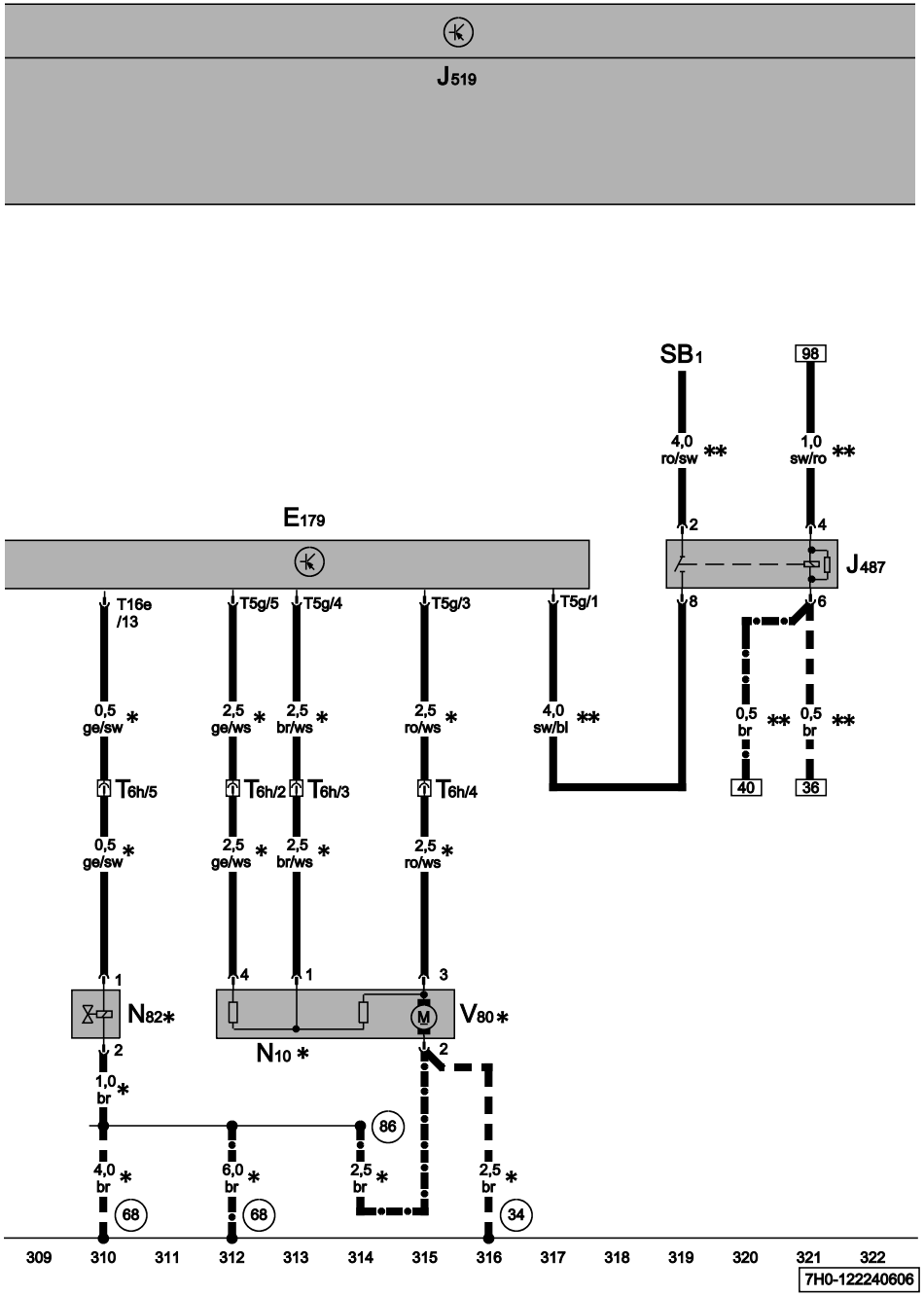
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, rear temperature flap control motor, control motor potentiometer

E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
162	Earth connection, in blower motor wiring harness
654	Earth point, right D-pillar
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	for box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only, not for double cab
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only
***	for models without dimming instruments illumination only
****	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



ws = white

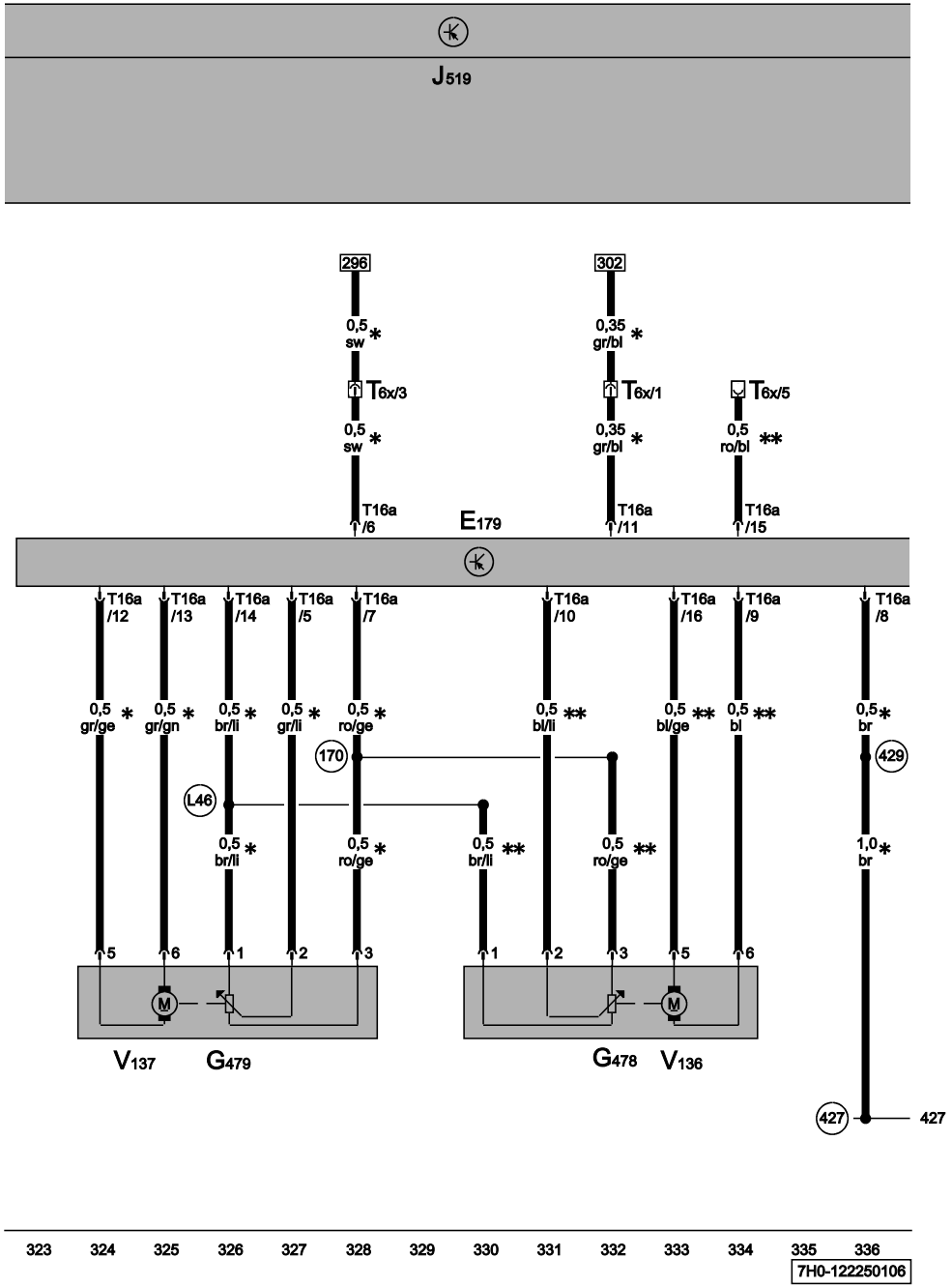
Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16e	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
*	for models with double cab only
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only

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applicable up to December 2005

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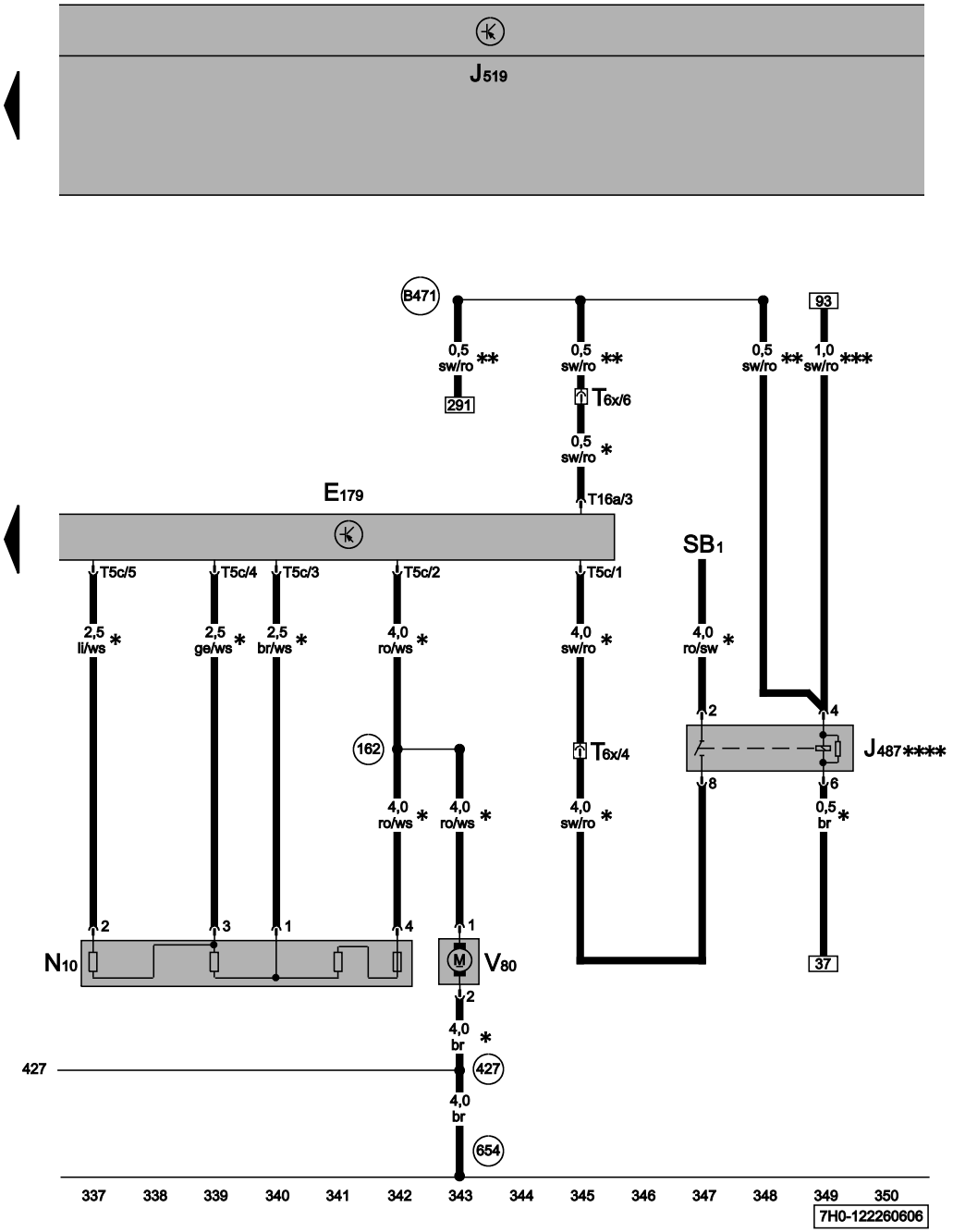
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rs	=	pink	>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, rear air distribution control motor, rear temperature flap motor, potentiometer for control motor

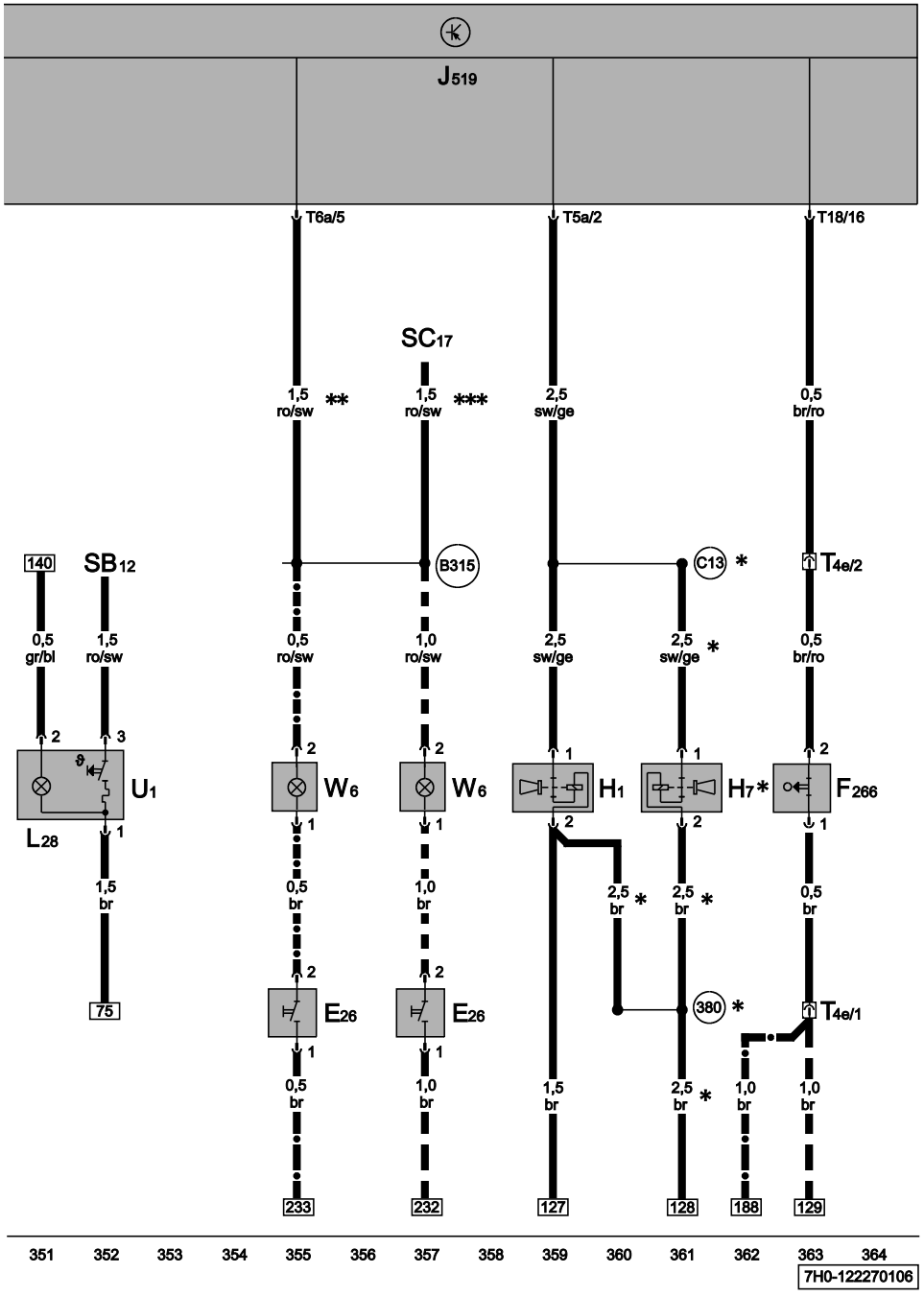
E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J519	Onboard supply control unit
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
427	Earth connection 3, in right rear end wiring harness
429	Earth connection 4, in right rear end wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, not for camper



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
SB1	Fuse 1 on fuse holder B
V80	Rear fresh air blower
(162)	Earth connection, in blower motor wiring harness
(427)	Earth connection 3, in right rear end wiring harness
(654)	Earth point, right D-pillar
(B471)	Connection 7 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, for camper applicable from April 2006
***	for camper only, applicable up to March 2006
****	applicable from January 2006, models up to December 2005 ⇒ heater with mechanical control Current Flow Diagram



ws = white

Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

E26	Glove compartment light switch
F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
SC17	Fuse 17 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
380	Earth connection 15, in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with dual tone horn only
**	for models without roof console only ⇒ interior lights Current Flow Diagram
***	for models with roof console only ⇒ interior lights Current Flow Diagram

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applicable up to December 2005

<fo:external-graphic
applicable from January 2006

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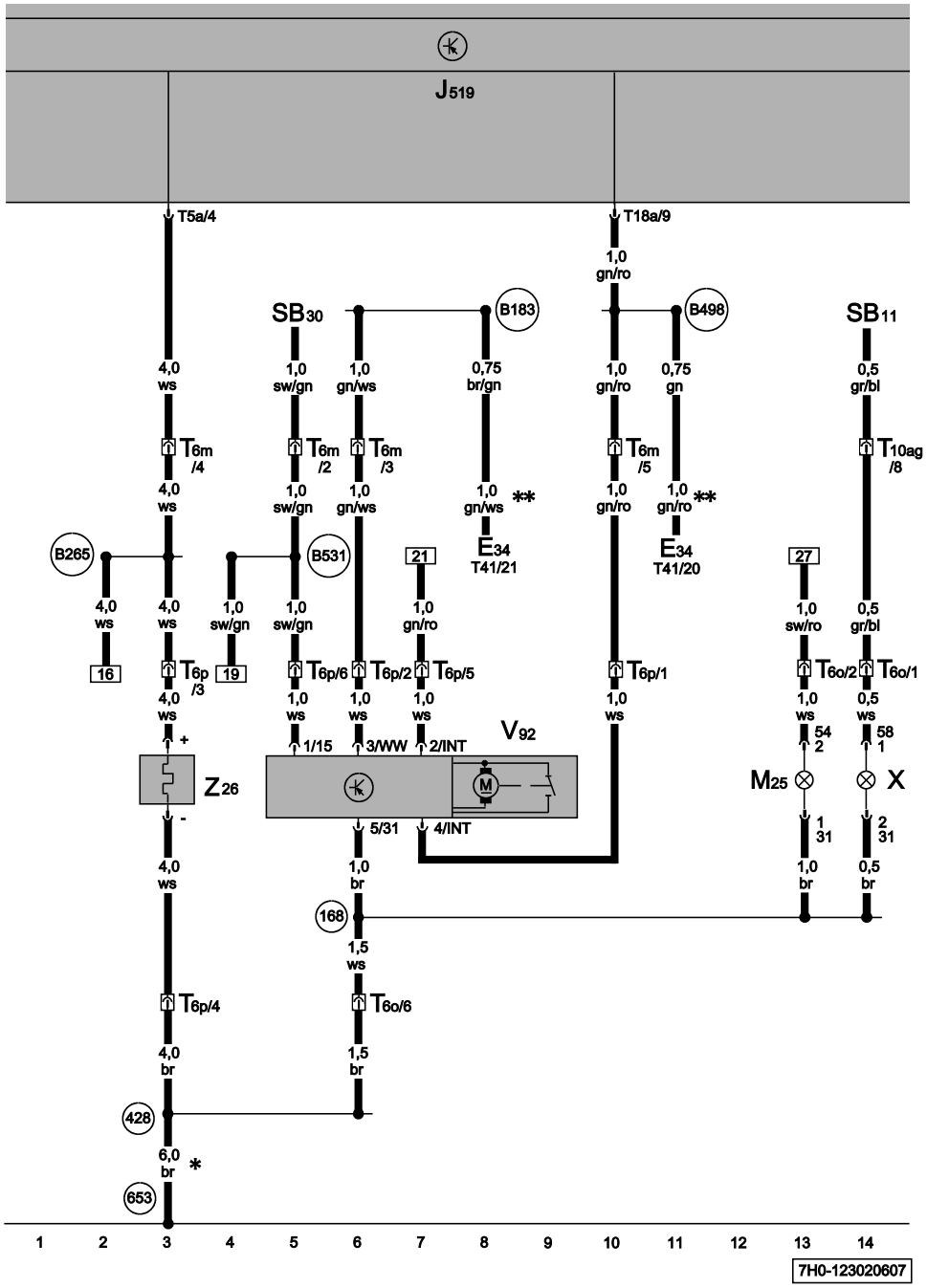
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

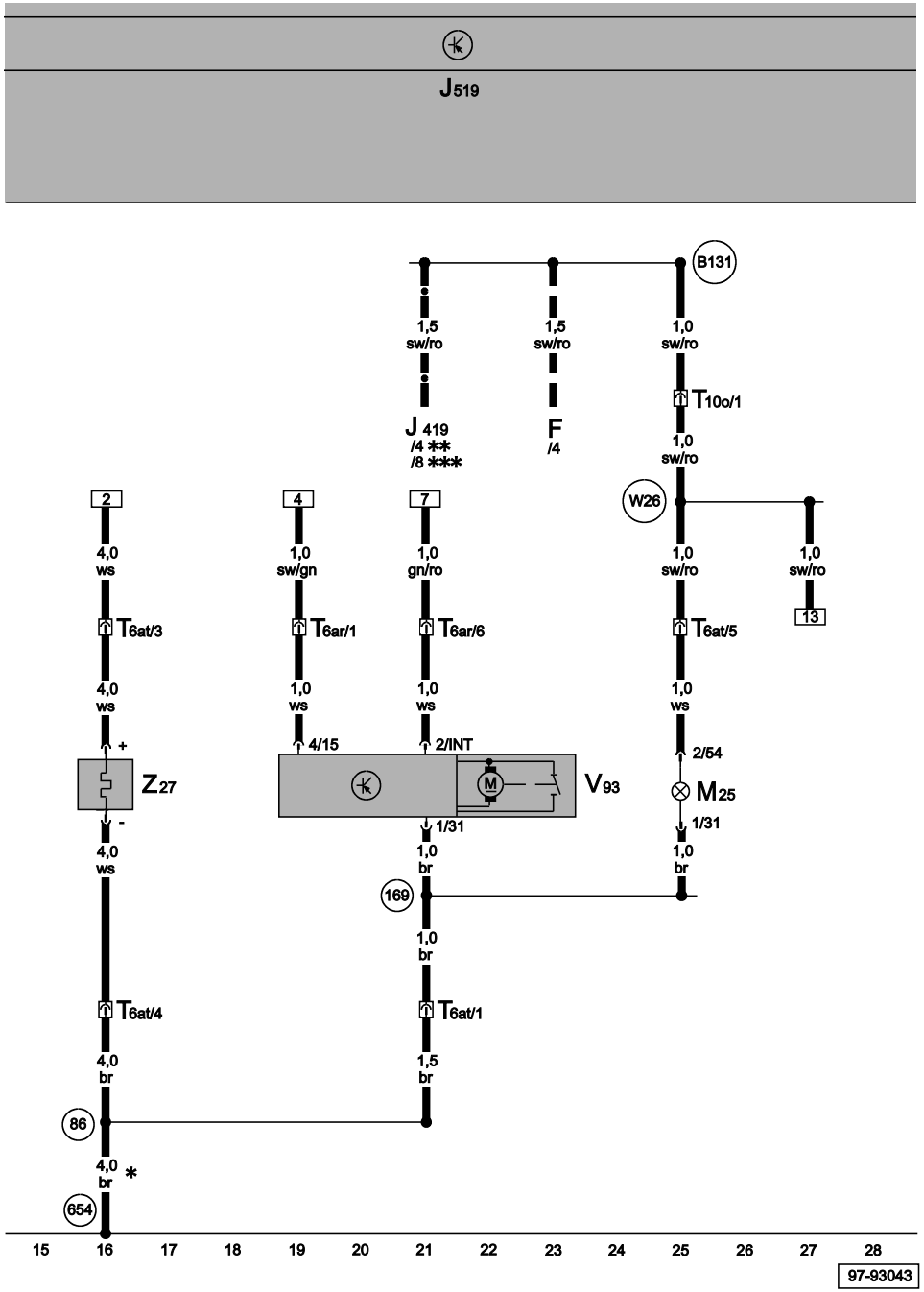
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left wing door heated rear window, rear left wing door window wiper motor, number plate light

E34	Rear wiper switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder
SB30	Fuse 30 on fuse holder
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
X	Number plate light
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B265	Connection 2, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B531	Connection (75), in roof wiring harness
*	wire cross section are equipment dependant
**	applicable from January 2006



ws = white

Right wing door heated rear window, rear right wing door window wiper motor, high level brake light bulb

F	Brake light switch
J519	Onboard supply control unit
J419	Brake light additional relay
M25	High level brake light bulb
T6ar	6-pin connector, red, coupling station on right of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
V93	Rear right wing door window wiper motor
Z27	Heated rear window in right wing door
86	Earth connection 1, in rear wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
*	wire cross section are equipment dependant
**	only models without serial trailer towing coupling
***	only models with serial trailer towing coupling

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for models with ESP only

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ge	=	yellow
or	=	orange
rs	=	pink

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Trailer operation

from January 2005

Notes:

For information concerning

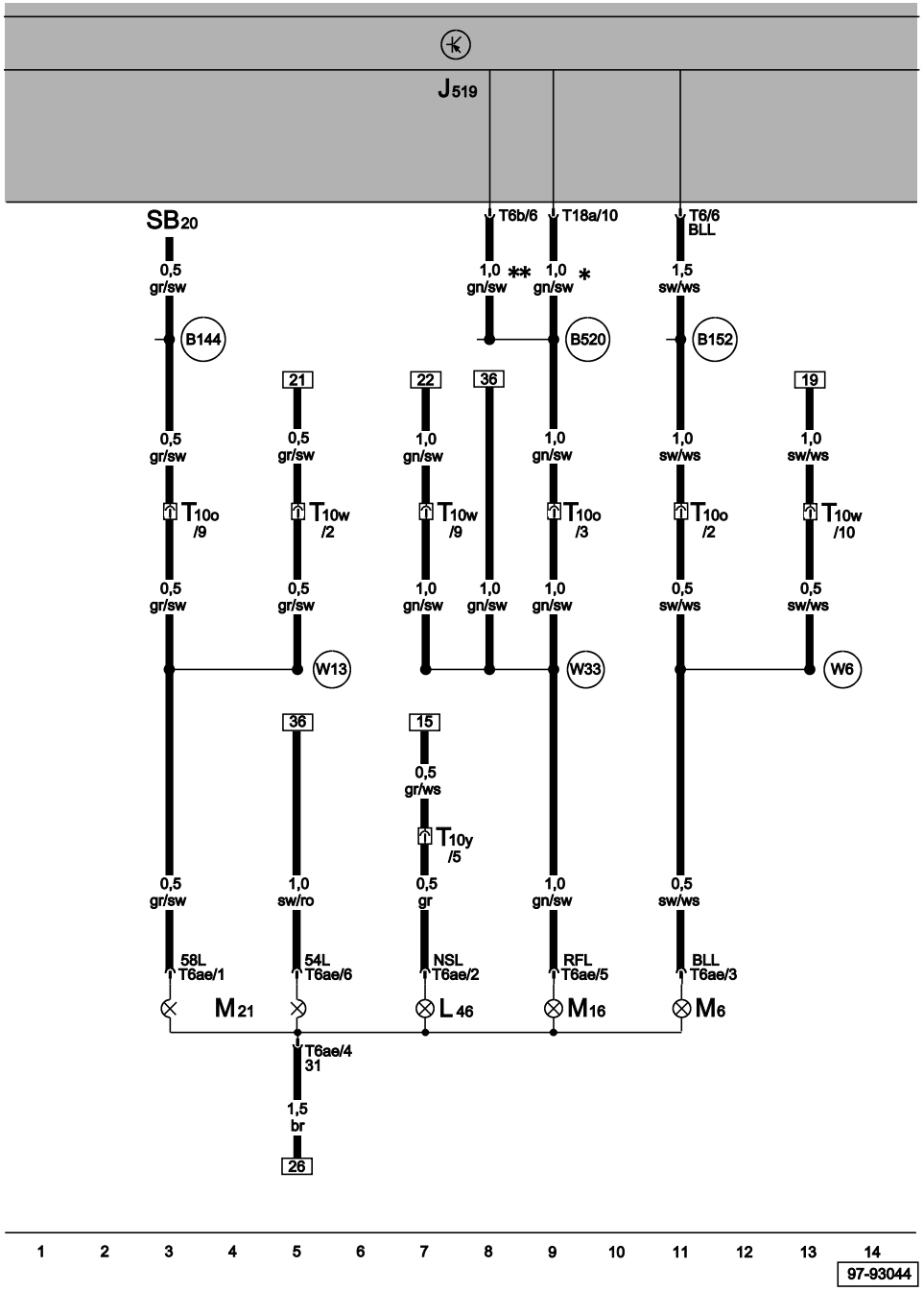
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

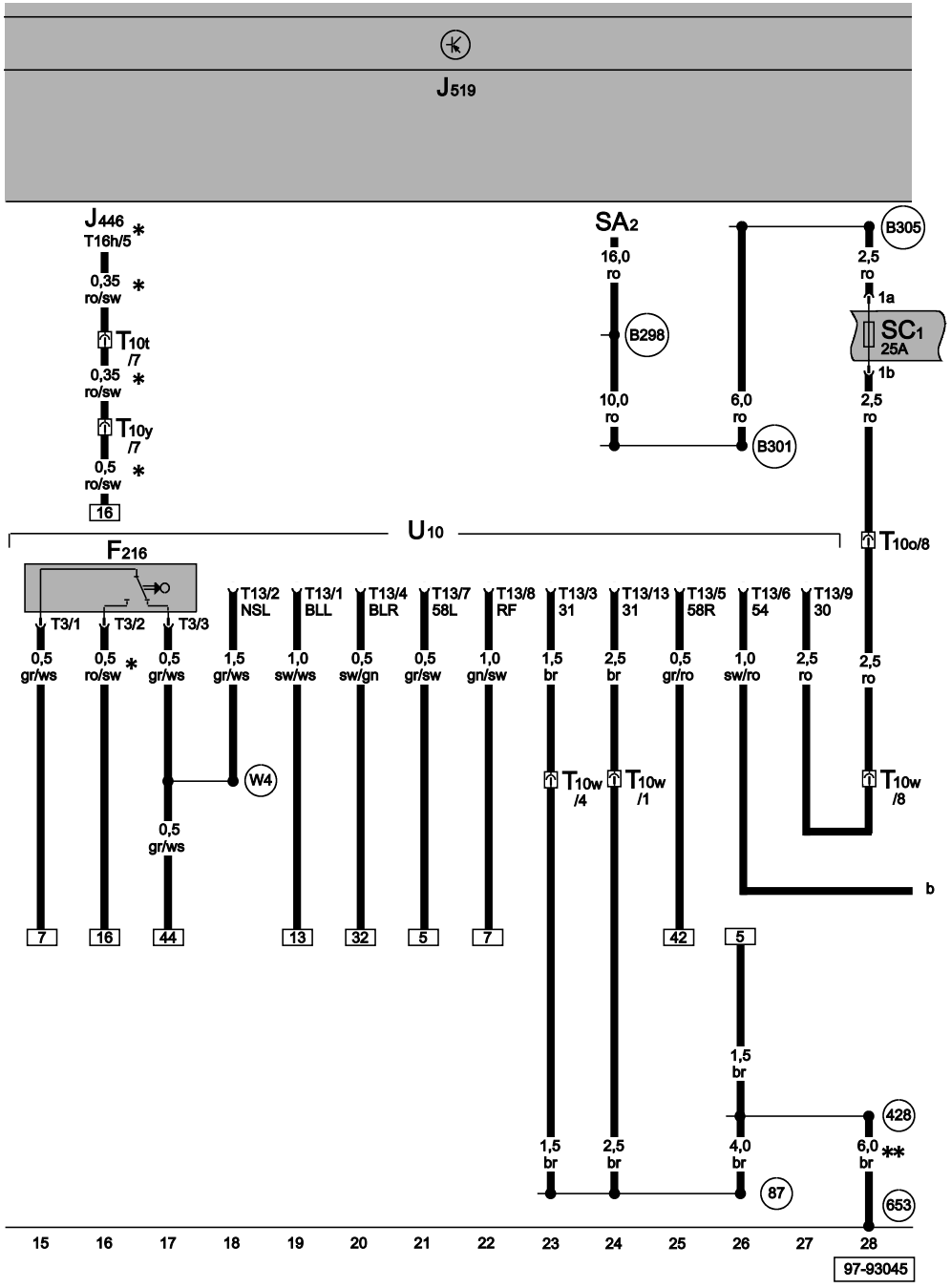
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

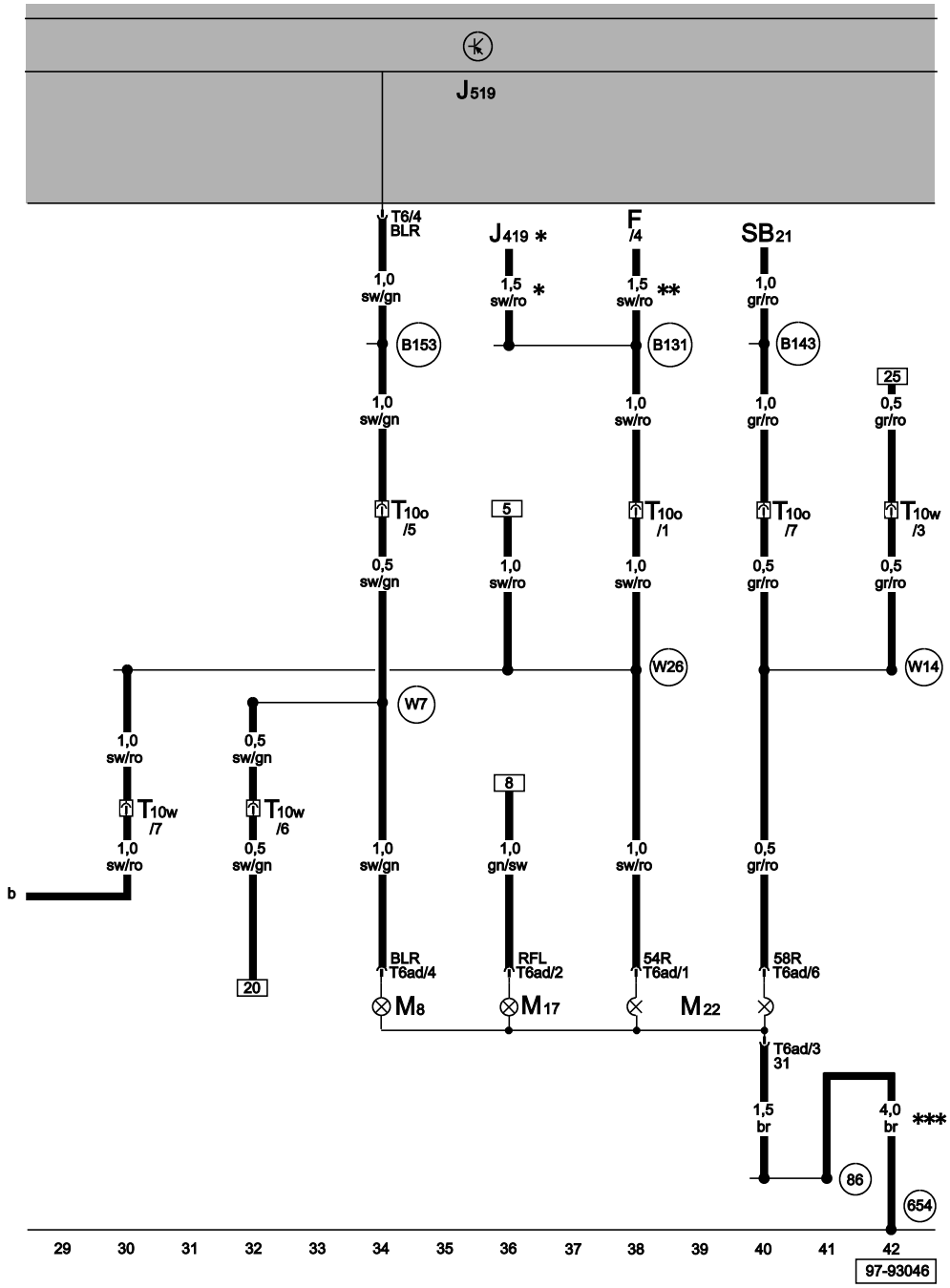
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T18a	18-pin connector, brown
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only, signal output



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Trailer socket, rear fog light cut-out contact switch

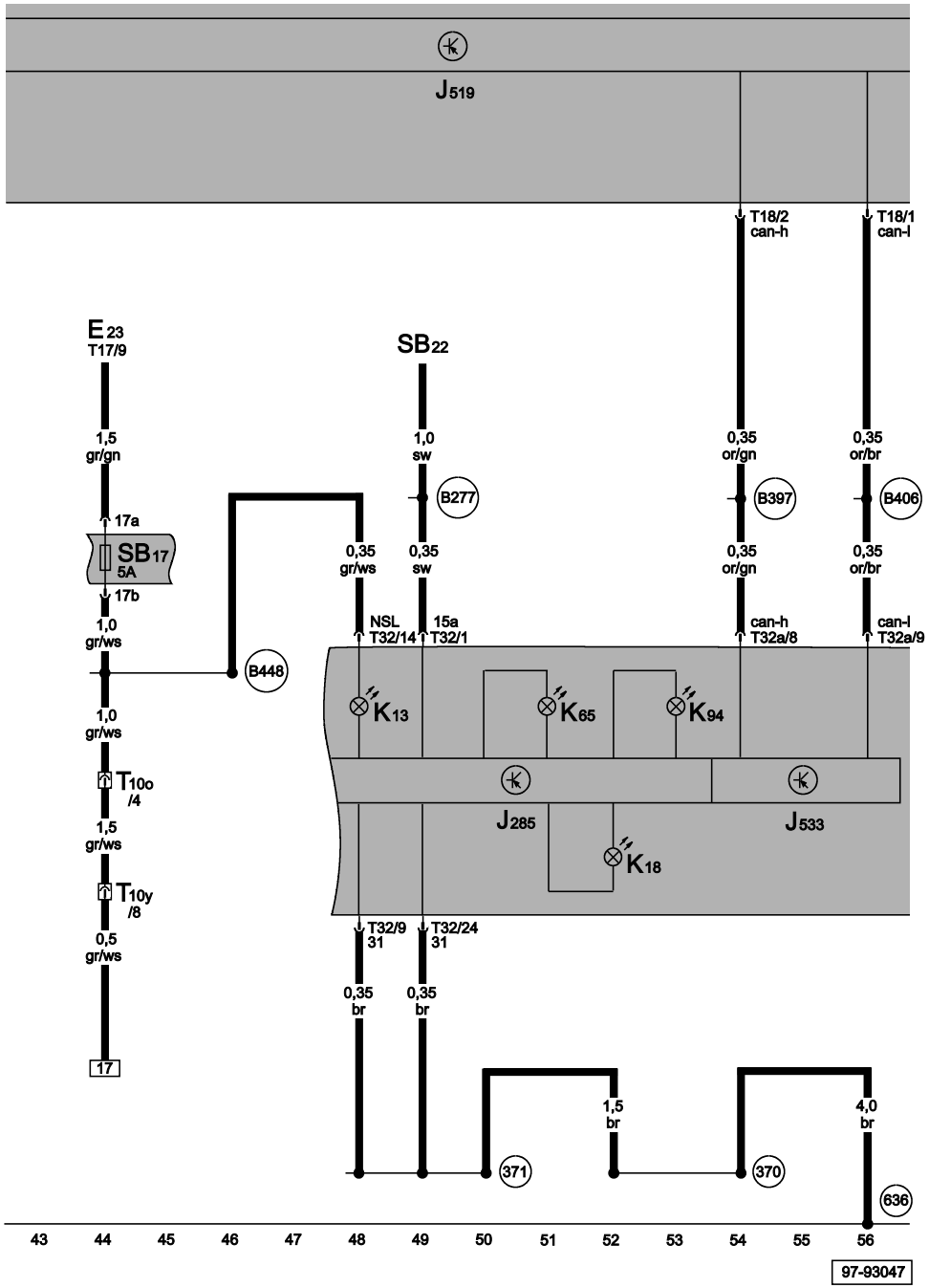
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder on battery
SC1	Fuse 1 on fuse holder
T3	3-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models with parking aid only
**	cross section are equipment dependant



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder
T6	6-pin connector, black
T6ad	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only, ⇒ CFD anti-lock brake system
**	for models without ESP only
***	cross section are equipment dependant



Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder
SB22	Fuse 22 on fuse holder
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B448	Connection (rear fog light), in main wiring harness

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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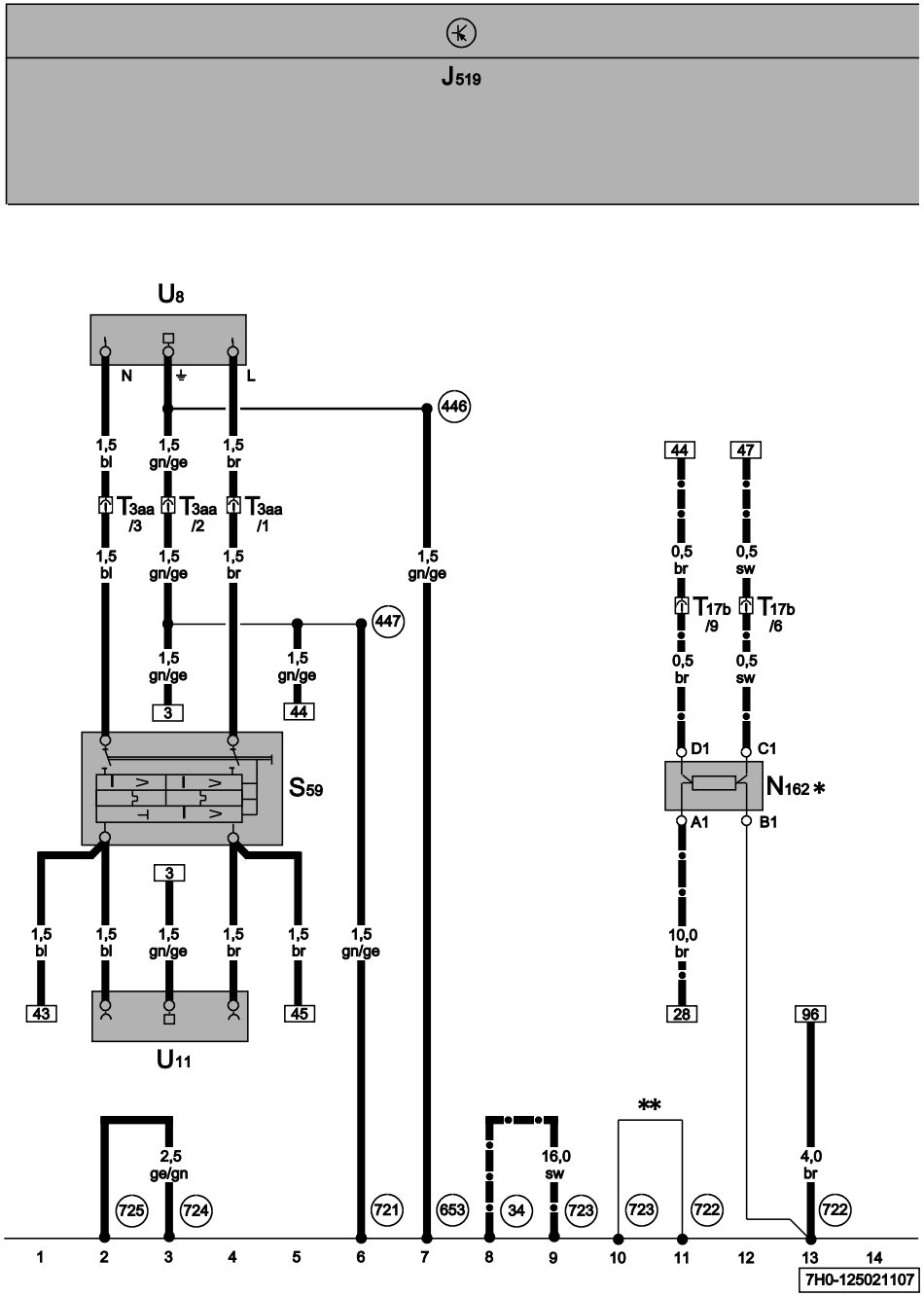
Camping equipment

⇒ **California Trendline**
⇒ **California Comfortline**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

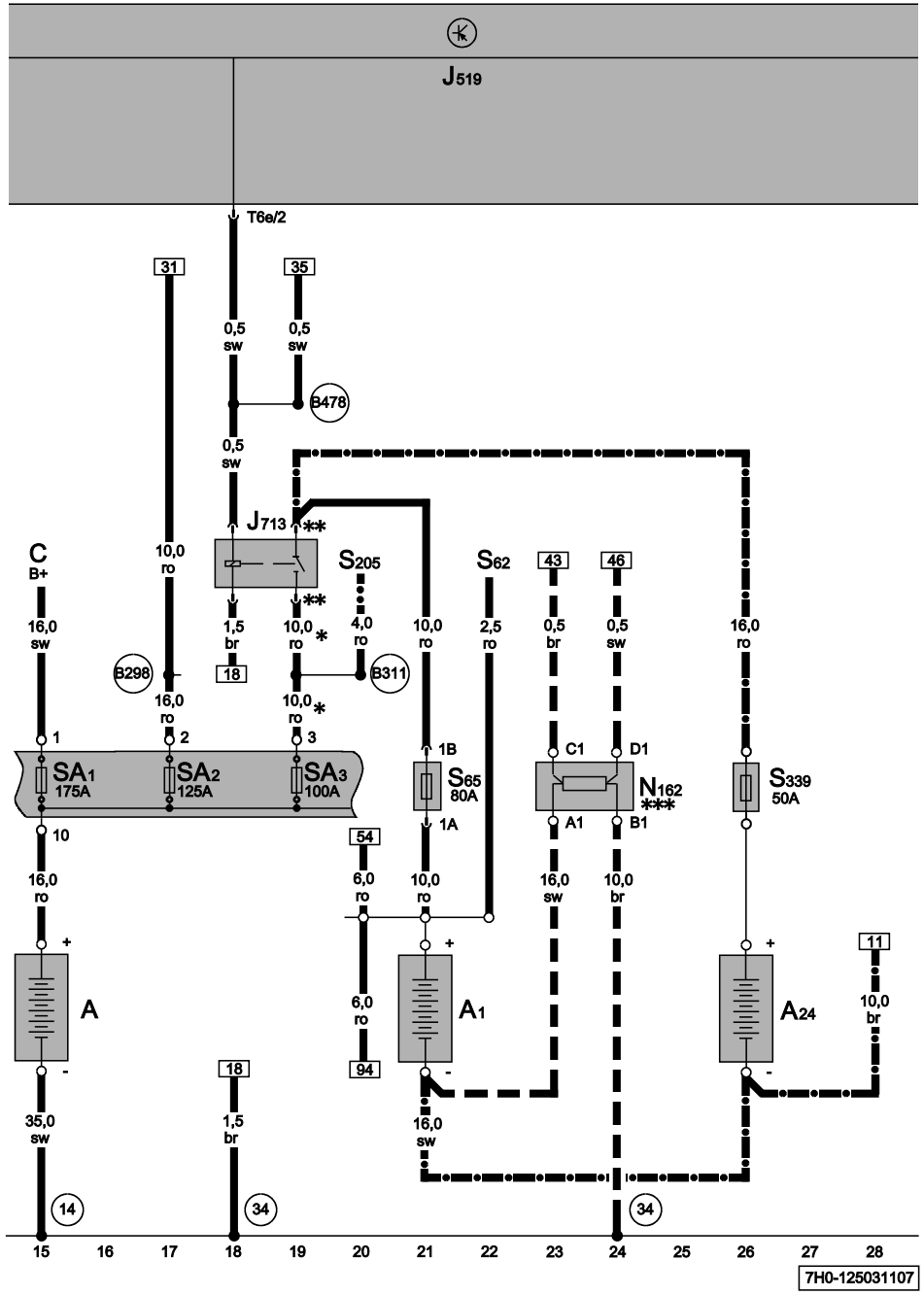
220 V, 110 V external socket, 220 V, 110 V internal socket, 220 V automatic personnel protection circuit breaker, battery charge control measuring resistor

J519	Onboard supply control unit
N162	Battery charge control measuring resistor
S59	220 V automatic personnel protection circuit breaker
T3aa	3-pin connector, white, near left D-pillar
T17b	17-pin connector, black, in lower cupboard
U8	230 V external socket, 220 V, 110 V
U11	Internal socket, 230 V, 110 V, near sink
34	Earth point, under driver seat
446	Earth conductor connection 1
447	Earth conductor connection 2
653	Earth point, left D-pillar
721	Earth point 1 for special constructions
722	Earth point 2 for special constructions
723	Earth point 3 for special constructions
724	Earth point 4 for special constructions
725	Earth point 5 for special constructions
*	in cupboard, next to lower refrigerator ⇒ Fitting Locations camper
**	Earth connection via the cupboard floor

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for models with battery for special vehicles only

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rs	=	pink	



ws = white

Battery, second battery, battery for special vehicle, second battery charging circuit relay, battery charge control measuring resistor, fuses

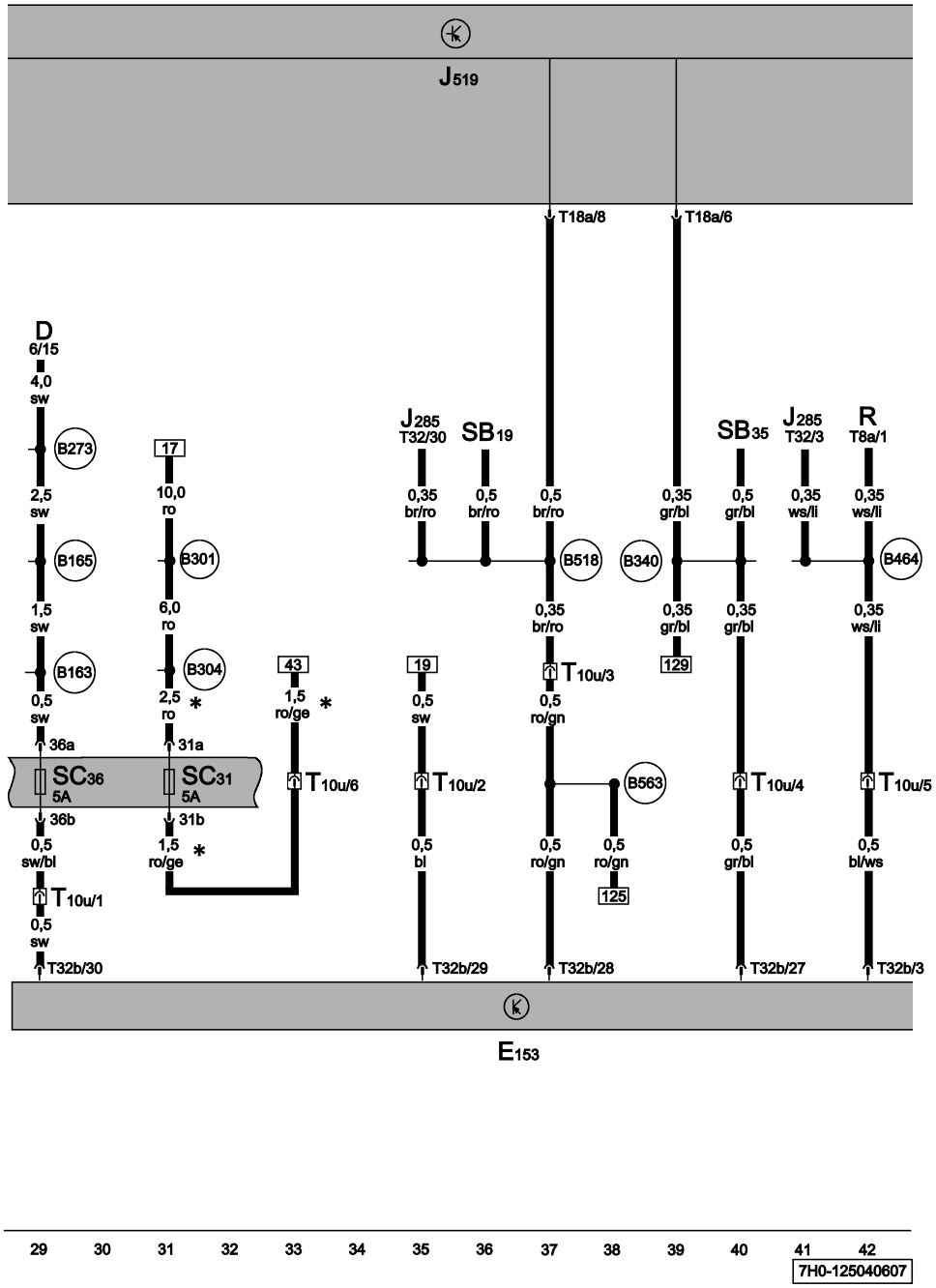
A	Battery
A1	Second battery
A24	Battery for special vehicle, in cupboard
C	Alternator
J519	Onboard supply control unit
J713	Second battery charging circuit relay, left seat box
N162	Battery charge control measuring resistor
S62	Auxiliary heater fuse
S65	2nd battery fuse, left seat box
S205	Fuse 2 (30)
S339	Battery fuse in special vehicle
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
T6e	6-pin connector, red
14	Earth point, on gearbox
34	Earth point, under driver seat
B298	Positive connection 2 (30), in main wiring harness
B311	Positive connection 15 (30), in main wiring harness
B478	Connection 14 in main wiring harness
*	Cross-section 16.0 possible
**	screw connection possible
***	On left in seat box

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for models with battery for special vehicles only

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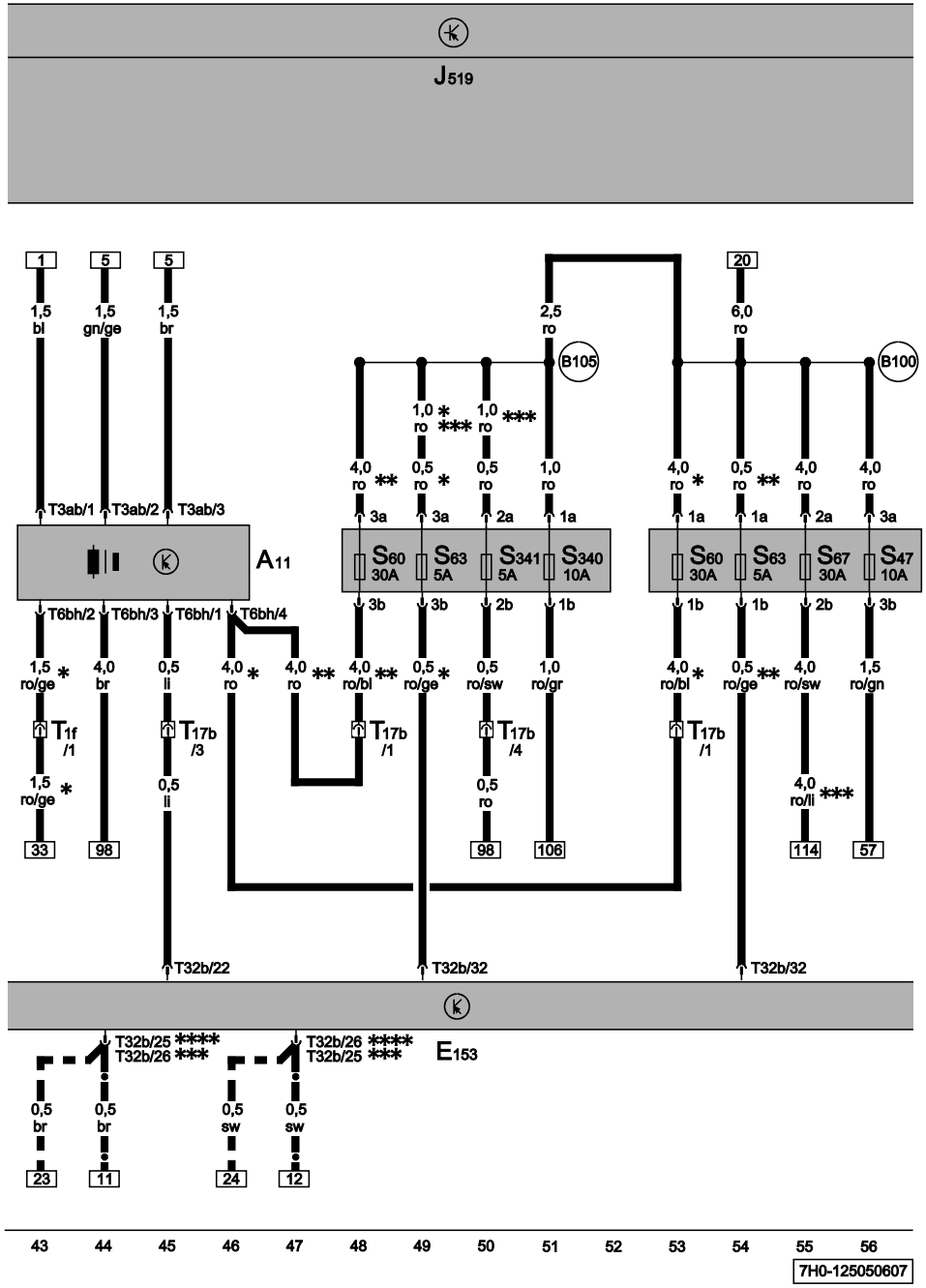
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, operating and display unit for camping equipment

D	Ignition/starter switch
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J519	Onboard supply control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC36	Fuse 36 on fuse holder C
T8a	8-pin connector, black
T10u	10-pin connector, blue, coupling station under driver seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	applicable from November 2006



ws = white

Onboard supply charger unit, fuses, operating and display unit for camping equipment

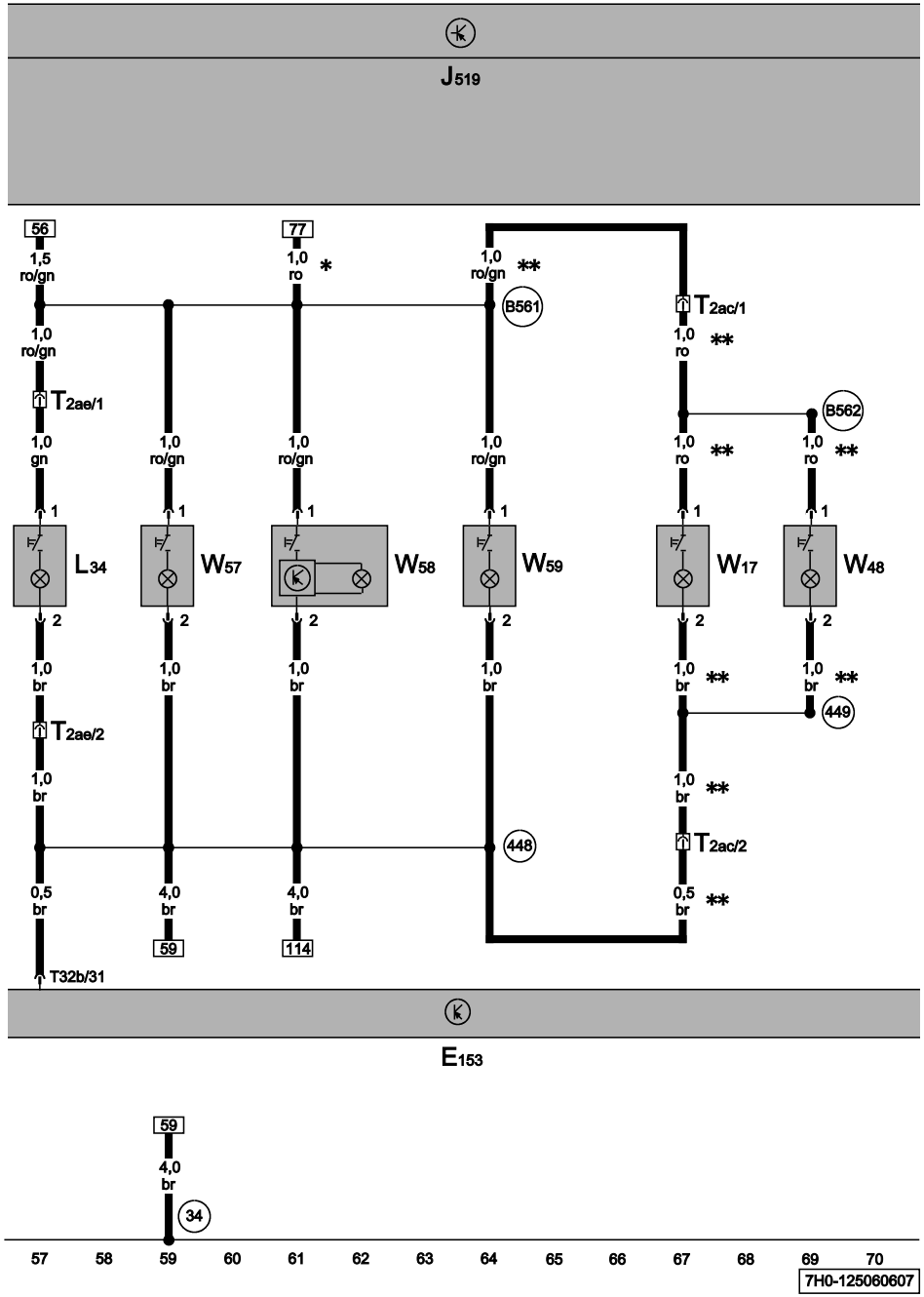
A11	Onboard supply charger unit
E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
S47	Reading light and interior light fuse, blue
S60	Charging unit fuse, black
S63	Display unit fuse, black
S67	Convertible roof actuation fuse, white
S340	Refrigerator box fuse, grey
S341	Water pump fuse, violet
T1f	Single pin connector, black, in lower cupboard
T3ab	3-pin connector
T6bh	6-pin connector
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black
B100	Positive connection 4, in Camper wiring harness
B105	Positive connection 5, in Camper wiring harness
*	applicable from June 2004
**	applicable up to May 2004
***	applicable from November 2006
****	applicable up to October 2006

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for models with battery for special vehicles only

<fo:external-graphic src="../PDOC/samba/tools/
for models without battery for special vehicles only

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or	=	orange
rs	=	pink

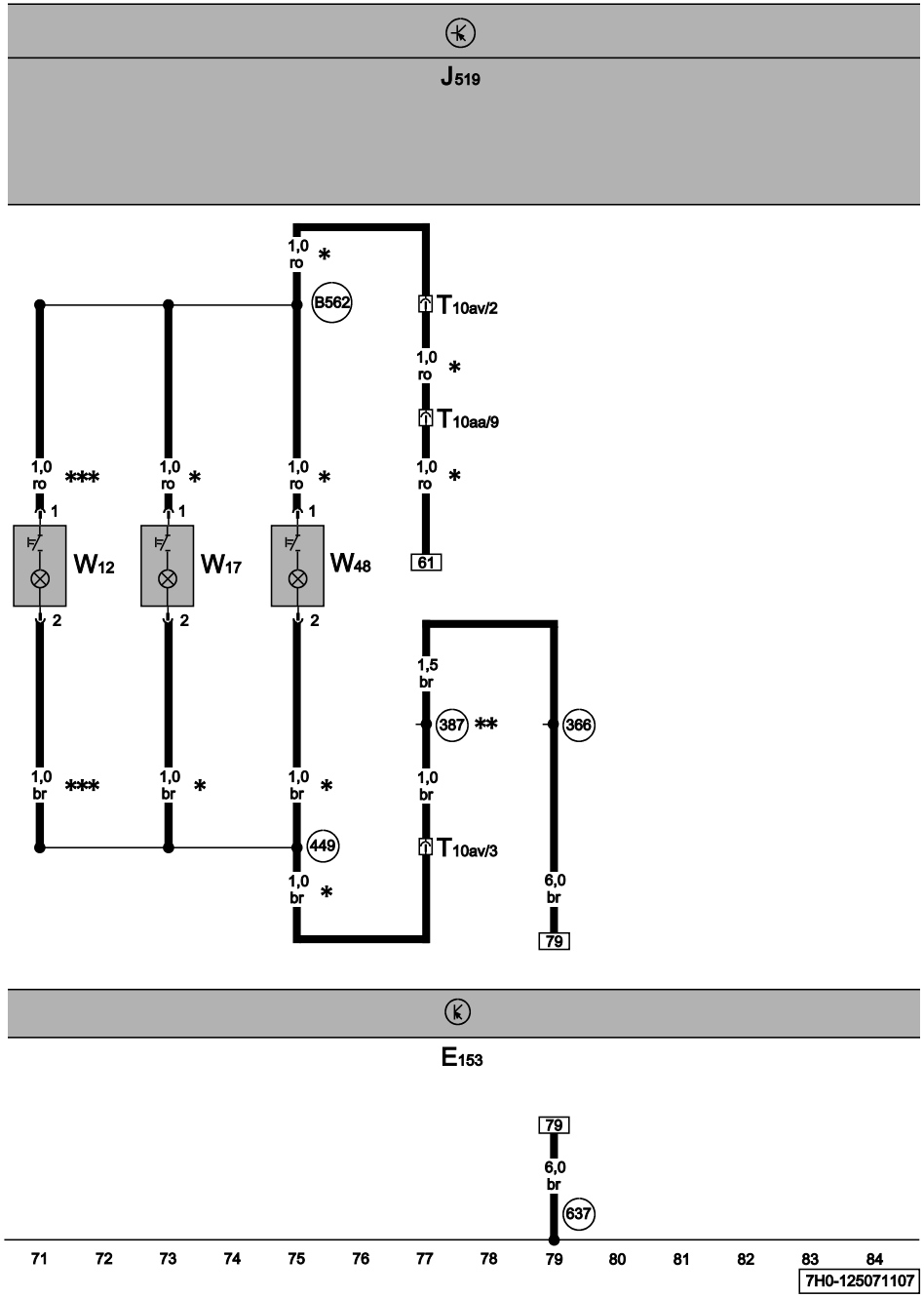
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Operating and display unit for camping equipment, map reading light bulb, interior lights, kitchenette light

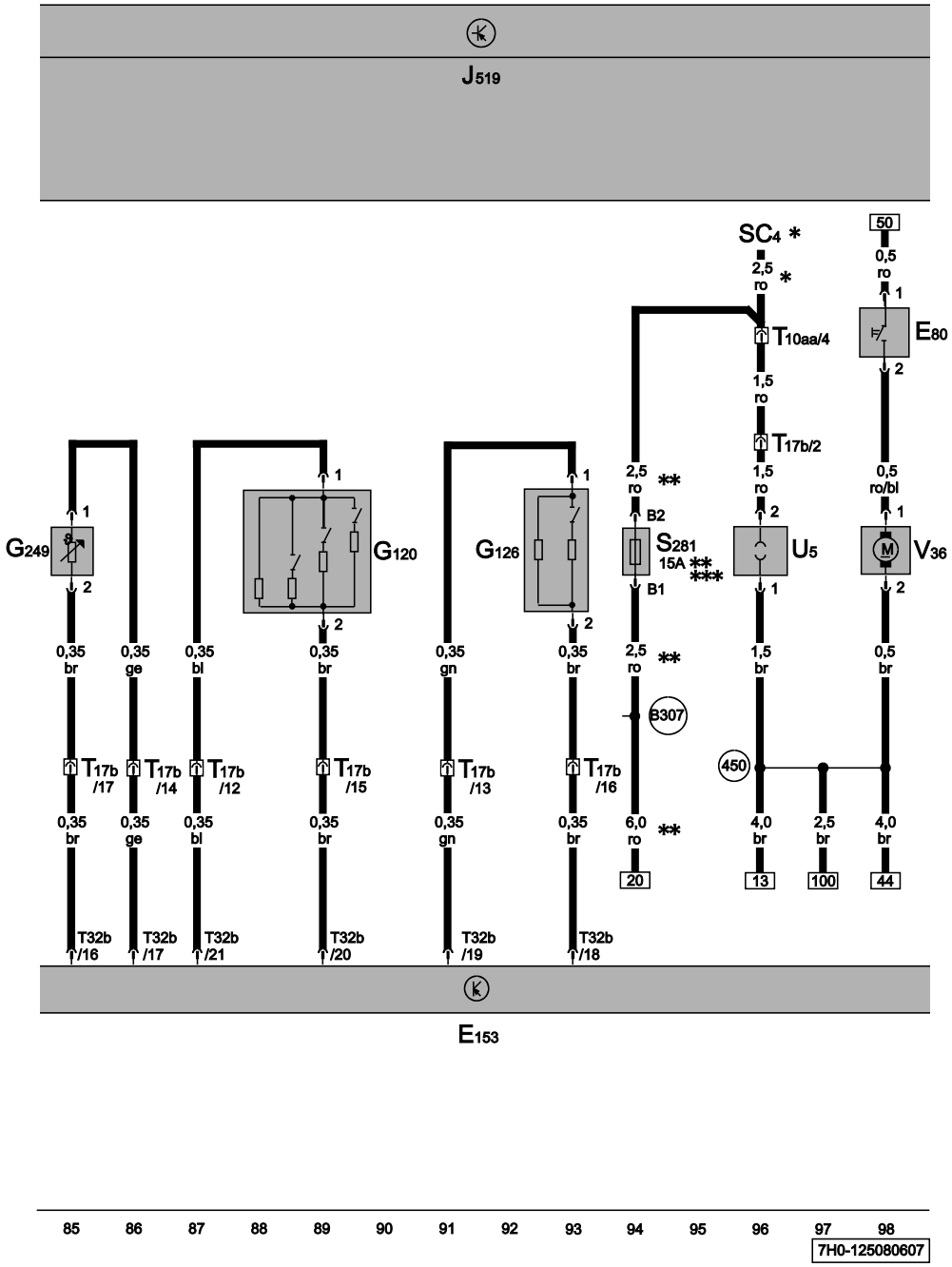
E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
L34	Map reading light bulb
T2ac	2-pin connector, black, between the seats, near handbrake lever
T2ae	2-pin connector, near map reading light bulb
T32b	32-pin connector, black
W17	Right interior light
W48	Rear right interior light
W57	Kitchenette light 1
W58	Kitchenette light 2
W59	Kitchenette light 3
34	Earth point, under driver seat
448	Earth connection 1, in camper wiring harness
449	Earth connection 2, in camper wiring harness
B561	Positive connection 1, in Camper wiring harness
B562	Positive connection 2, in Camper wiring harness
*	applicable from September 2005
**	applicable up to August 2005



Operating and display unit for camping equipment, rear right reading light, right interior light

E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
W12	Rear right reading light
W17	Right interior light
W48	Rear right interior light
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
449	Earth connection 2, in camper wiring harness
637	Earth point, airbag control unit
B562	Positive connection 2, in Camper wiring harness
*	applicable from September 2005
**	applicable up to October 2006
***	applicable from November 2006

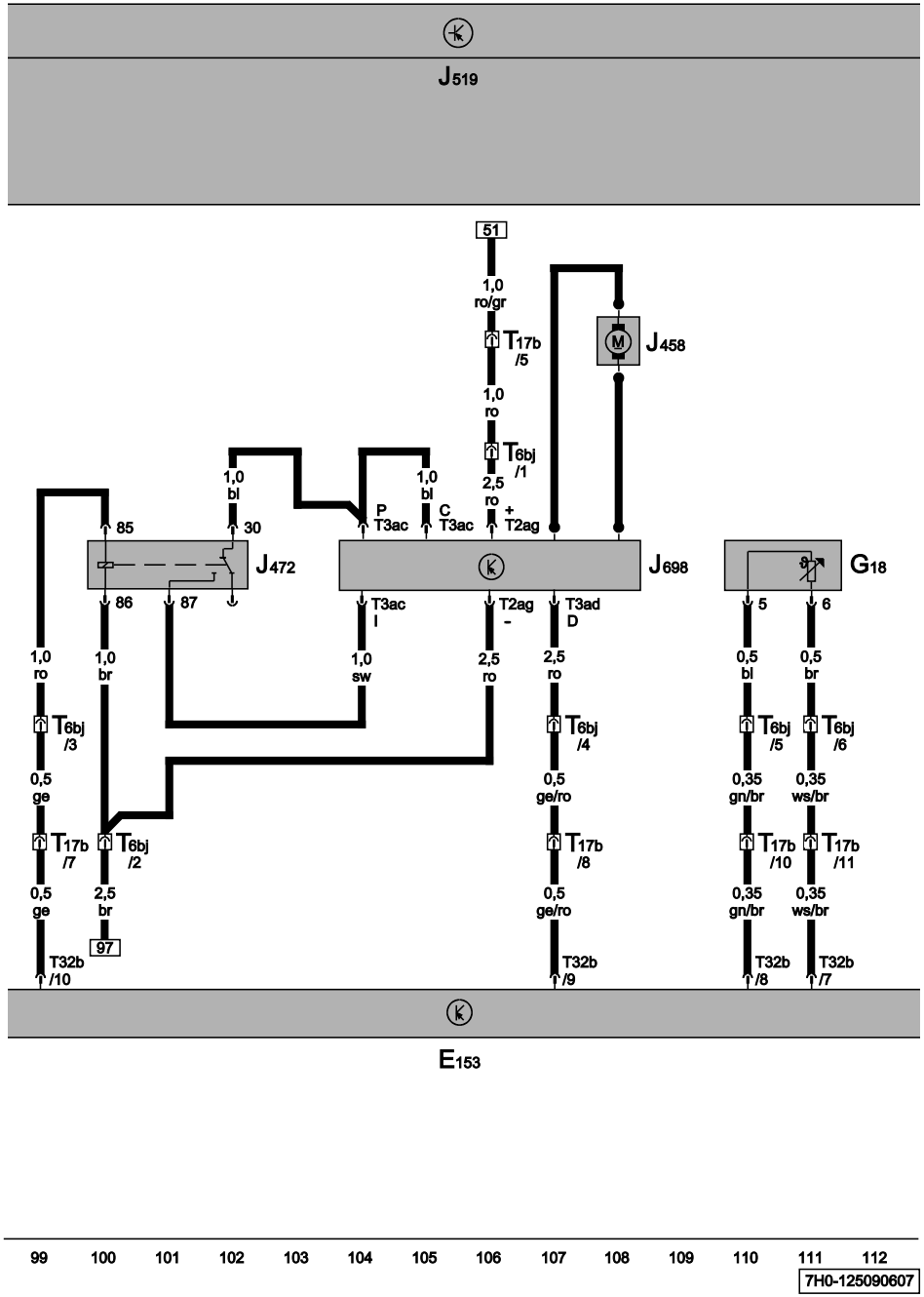
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li	=	purple
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Operating and display unit for camping equipment, water level sender, ambient temperature sender 2, 12 V socket, water pump switch, water pump

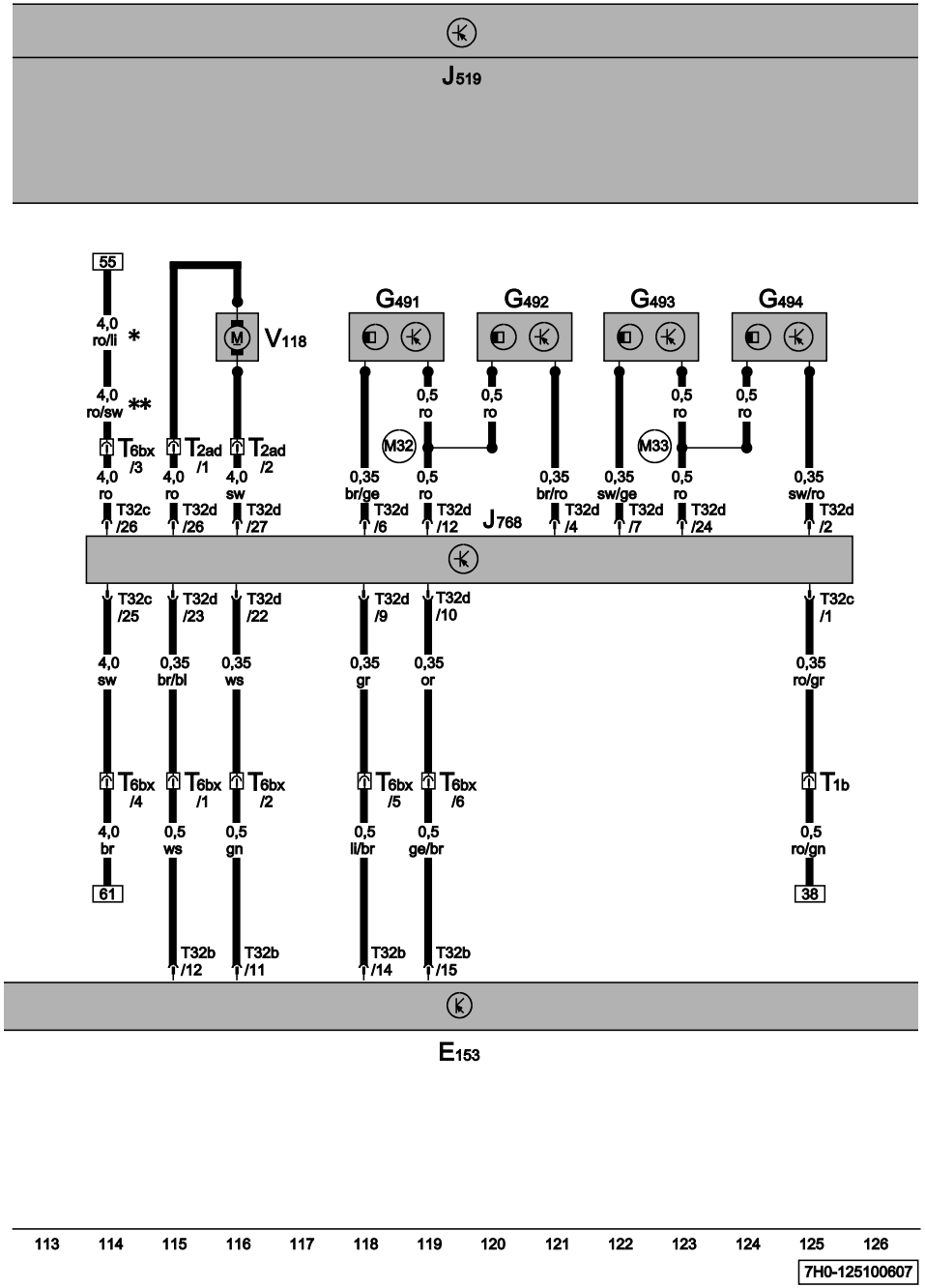
E80	Water pump switch
E153	Operating and display unit for camping equipment
G120	Water level sender
G126	Waste water level sender
G249	Ambient temperature sender 2
J519	Onboard supply control unit
S281	Electric socket 3 fuse
SC4	Fuse 4 on fuse holder C
T10aa	10-pin connector, dark brown, coupling station under driver seat
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black
U5	12 V socket, near sink
V36	Water pump
450	Earth connection 3, in camper wiring harness
B307	Positive connection 11 (30), in main wiring harness
*	applicable up to May 2004
**	applicable from June 2004
***	On relay carrier, left seat box, ⇒ Fitting Locations



Operating and display unit for camping equipment, refrigerator box, refrigerator compressor relay

E153	Operating and display unit for camping equipment
G18	Temperature sensor
J458	Refrigerator compressor
J472	Refrigerator compressor relay
J519	Onboard supply control unit
J698	Refrigerator box
T2ag	2-pin connector
T3ac	3-pin connector
T3ad	3-pin connector
T6bj	6-pin connector, light-grey, near refrigerator box
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black

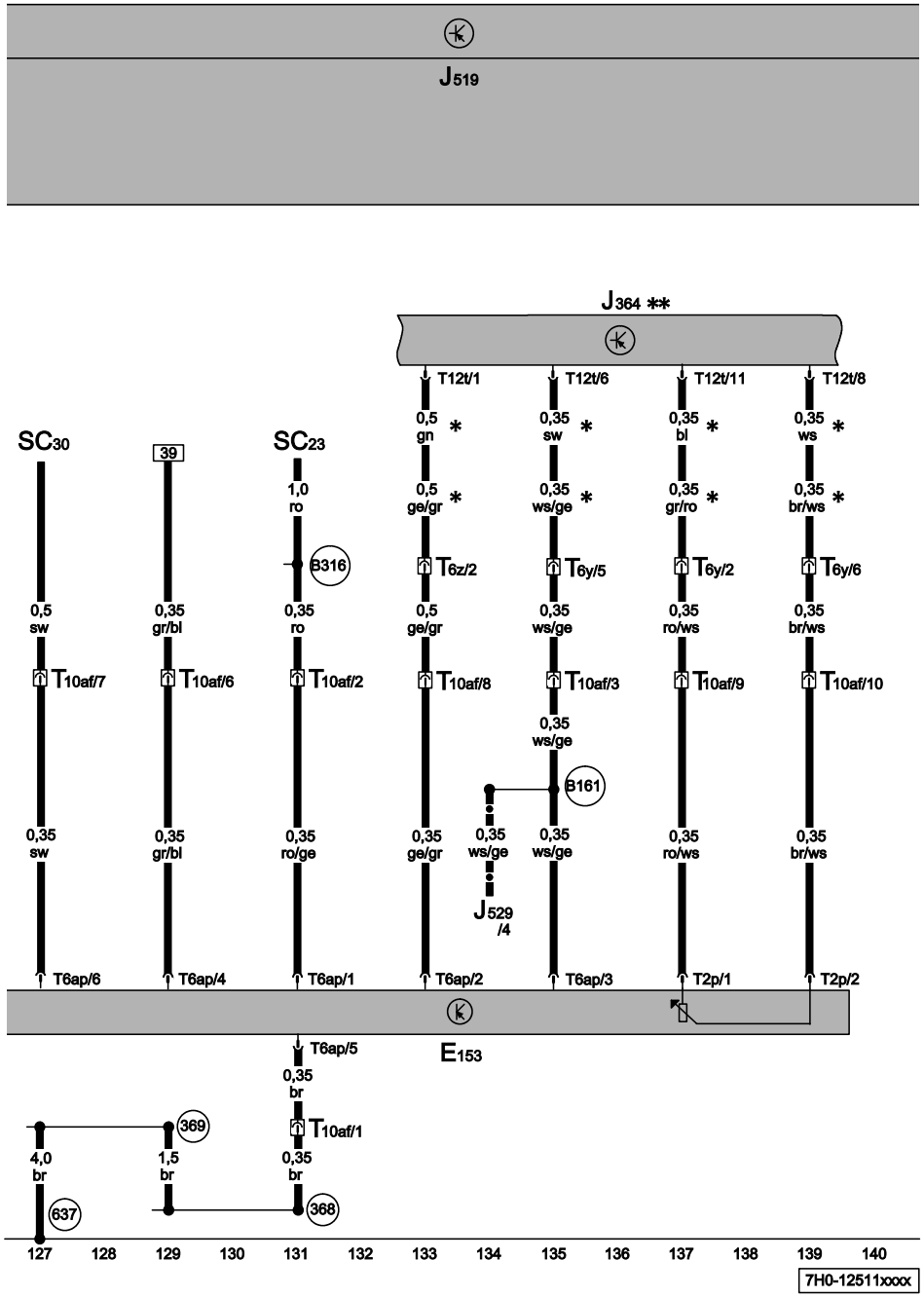
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, roof hydraulics control unit, roof hydraulics sender, convertible roof actuation hydraulic pump

E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
J768	Roof hydraulics control unit
G491	Roof hydraulics sender 1
G492	Roof hydraulics sender 2
G493	Roof hydraulics sender 3
G494	Roof hydraulics sender 4
T1b	Single connector, grey, near roof hydraulics control unit
T2ad	2-pin connector, black
T6bx	6-pin connector, black, near roof hydraulics control unit
T32b	32-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V118	Convertible roof actuation hydraulic pump
M32	Connection 1, in roof actuation wiring harness
M33	Connection 2, in roof actuation wiring harness
*	applicable from November 2006
**	applicable from May 2005 up to October 2006

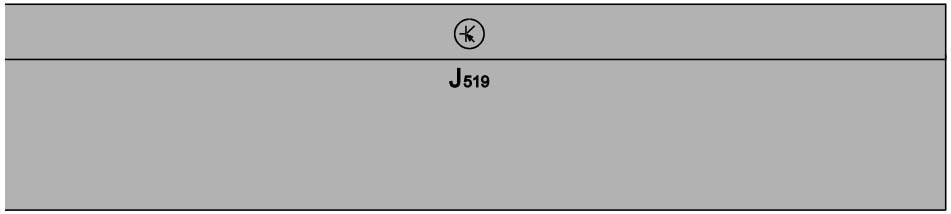
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

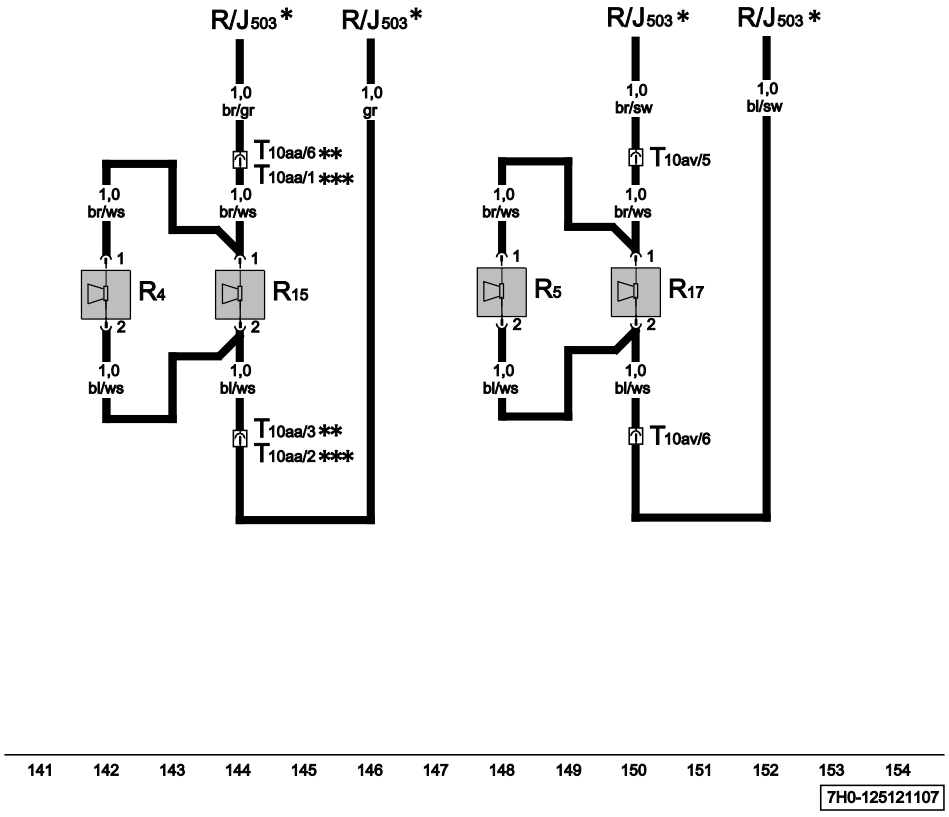
Operating and display unit for camping equipment, auxiliary heater control unit, fuses

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B161	Connection (ATA), in interior wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	Depends on equipment
**	for models with auxiliary air heater only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with anti-theft alarm system only



Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	⇒ Current Flow Diagram for radio/radio/navigation system
**	applicable up to May 2005
***	applicable from June 2005



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ro	=	red
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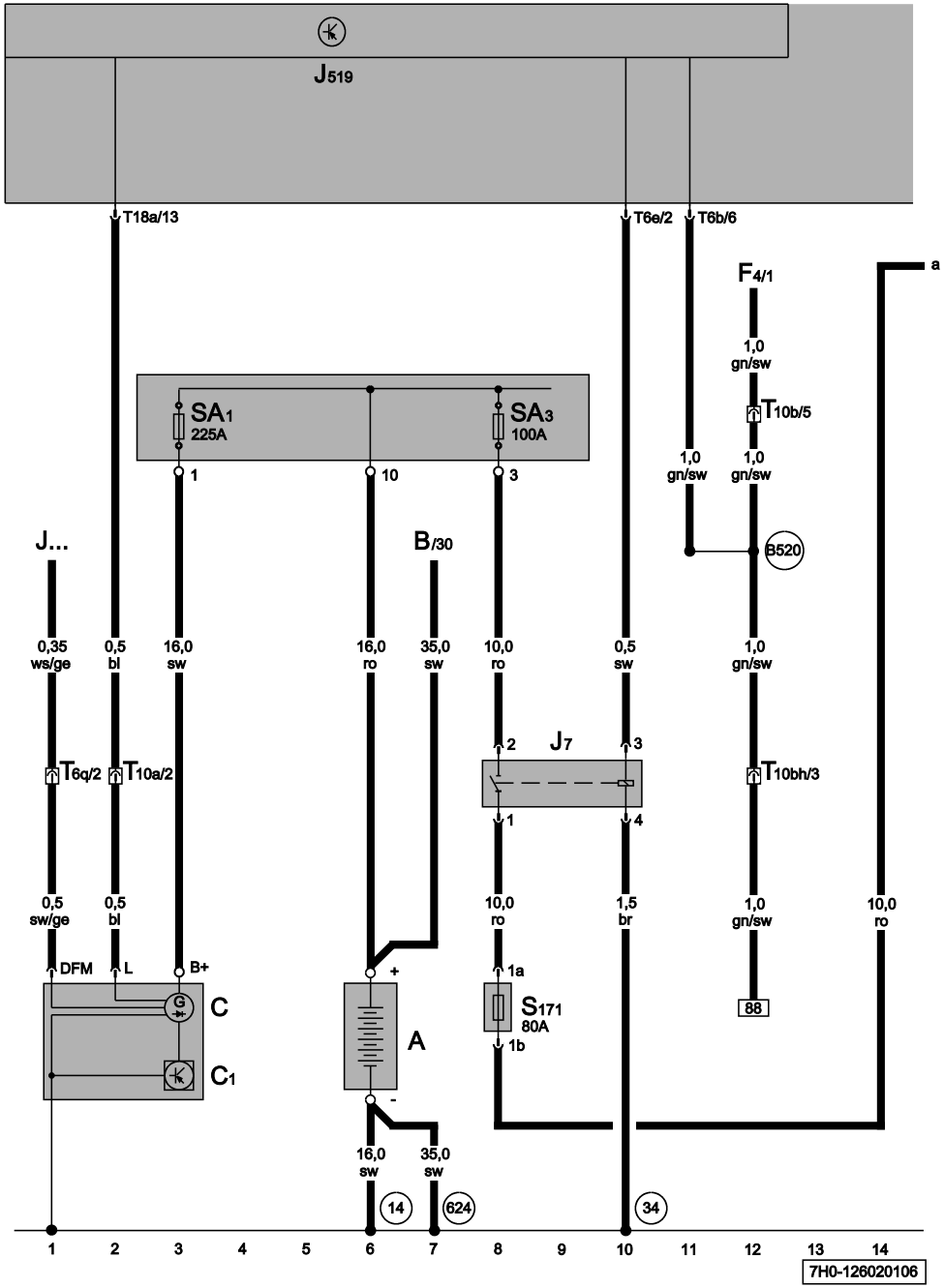
Business

⇒ **Multimediaequipment**
⇒ **Seat adjustment**
from August 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

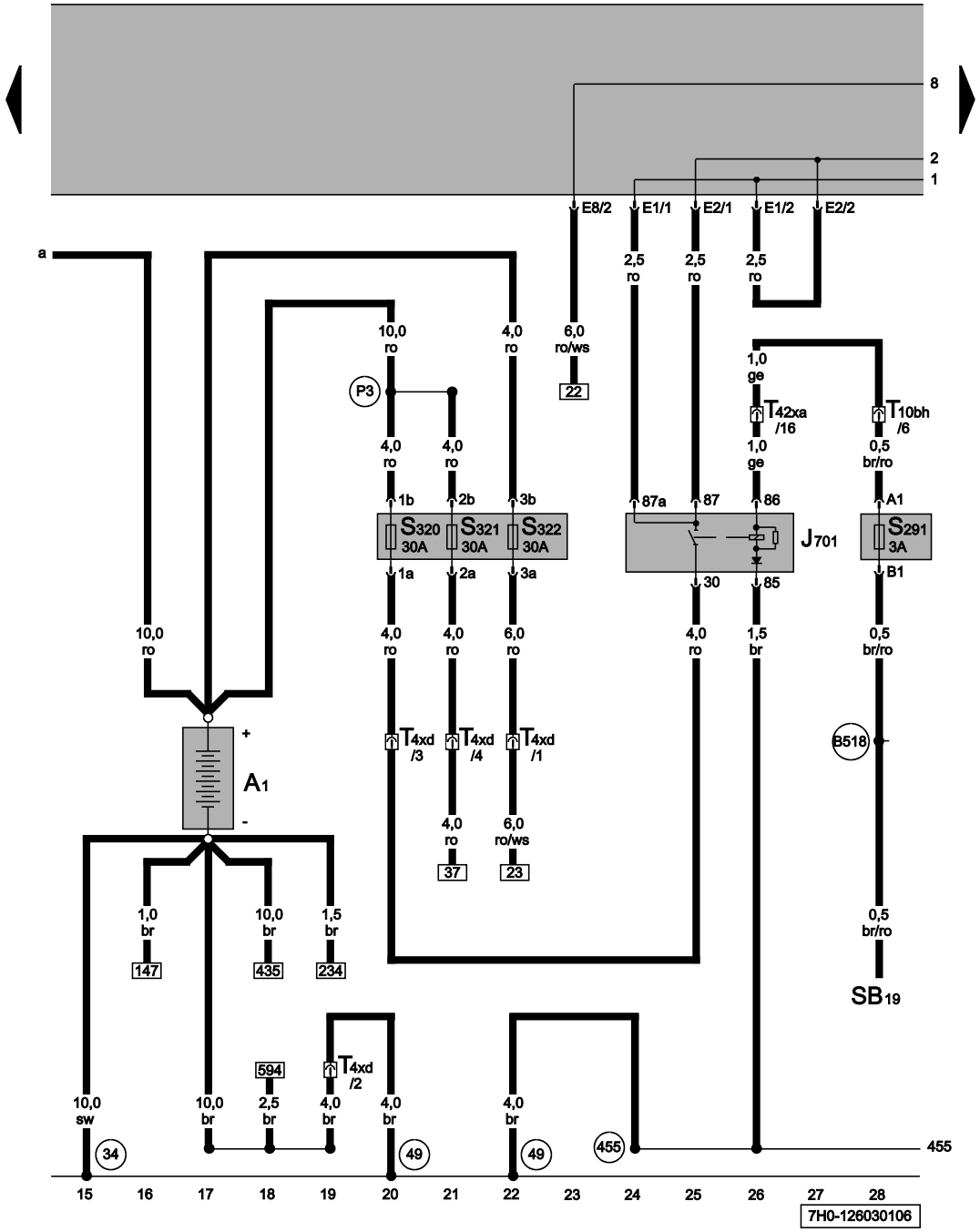
⇒ guided fault finding



Battery, alternator, battery isolation relay, onboard power supply control unit

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
F4	Reversing light switch
J...	Engine control units
J7	Battery isolation relay
J519	Onboard supply control unit
S171	Battery isolation relay fuse
SA1	Fuse 1 on fuse holder A
SA3	Fuse 3 on fuse holder A
T6b	6-pin connector, red
T6e	6-pin connector, red
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10bh	10-pin connector, purple, coupling station under driver seat
T18a	18-pin connector, brown
14	Earth point, on gearbox
34	Earth point, under driver seat
624	Earth point, starter battery
B520	Connection (RL), in main wiring harness

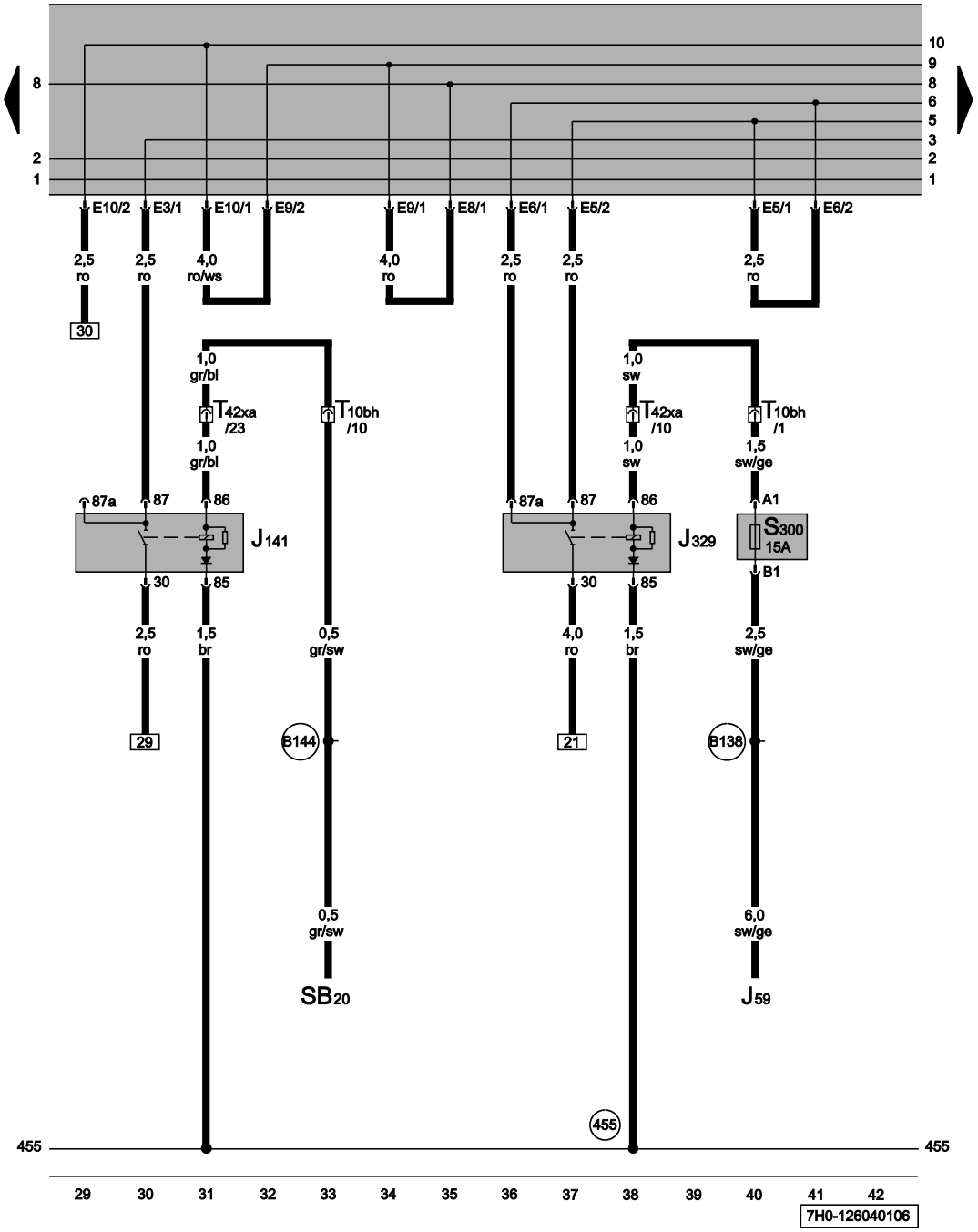
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink



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ro = red
br = brown
gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Second battery, voltage supply relay 1, fuses

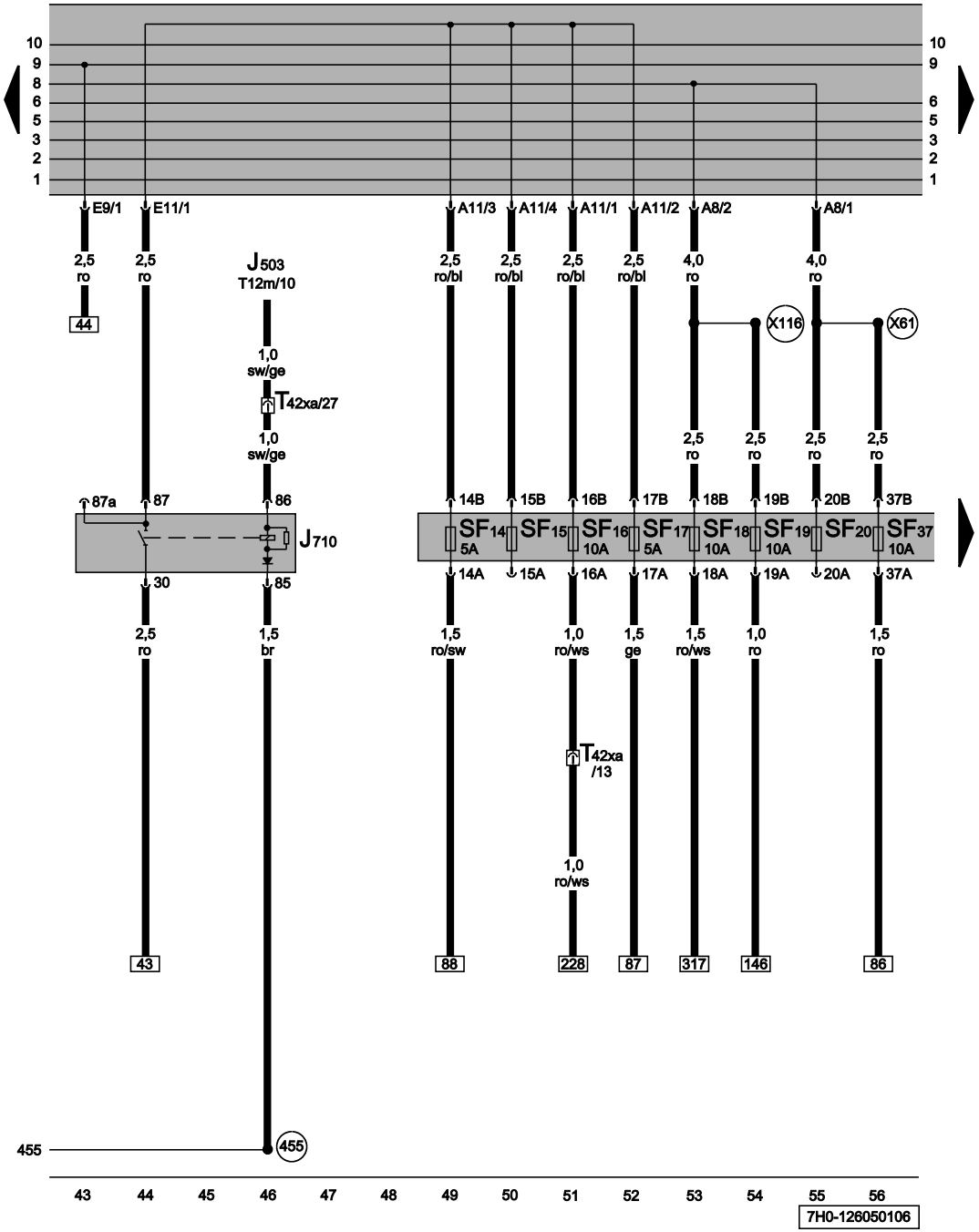
A1	Second battery
J701	Voltage supply relay 1
S291	Special vehicle fuse 1
S320	Special vehicle fuse 30
S321	Special vehicle fuse 31
S322	Special vehicle fuse 32
SB19	Fuse 19 on fuse holder B
T4xd	4-pin connector
T10bh	10-pin connector, purple, coupling station under driver seat
T42xa	42-pin connector
(34)	Earth point, under driver seat
(49)	Earth point, near rear left seat
(455)	Earth connection 5, in optional equipment wiring harness
B518	Connection (86s), in main wiring harness
P3	Positive connection (30), in 2nd battery wiring harness



Switch illumination relay, terminal 15 voltage supply relay

J59	X-contact relief relay
J141	Switch illumination relay
J329	Terminal 15 voltage supply relay
S300	Special vehicle fuse 10
SB20	Fuse 20 on fuse holder B
T10bh	10-pin connector, purple, coupling station under driver seat
T42xa	42-pin connector
455	Earth connection 5, in optional equipment wiring harness
B138	Positive connection (X), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness

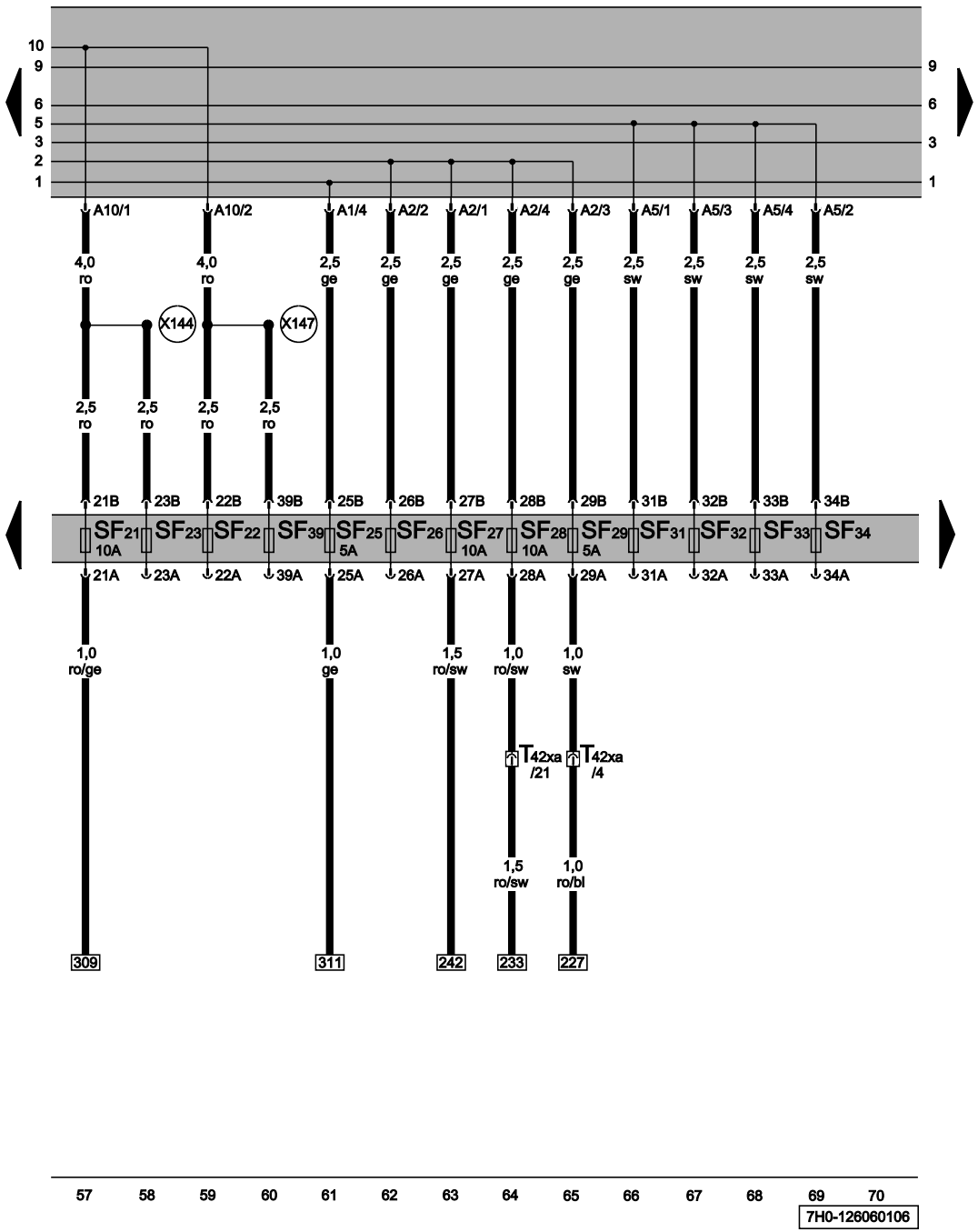
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rs	=	pink



Voltage supply relay 2, fuses

J503	Control unit with display for radio and navigation system
J710	Voltage supply relay 2
SF14	Fuse 14 on fuse holder F
SF15	Fuse 15 on fuse holder F
SF16	Fuse 16 on fuse holder F
SF17	Fuse 17 on fuse holder F
SF18	Fuse 18 on fuse holder F
SF19	Fuse 19 on fuse holder F
SF20	Fuse 20 on fuse holder F
SF37	Fuse 37 on fuse holder F
T12m	12-pin connector, blue
T42xa	42-pin connector
455	Earth connection 5, in optional equipment wiring harness
X61	Positive connection (30), in optional equipment wiring harness
X116	Positive connection 2 (30), in optional equipment wiring harness

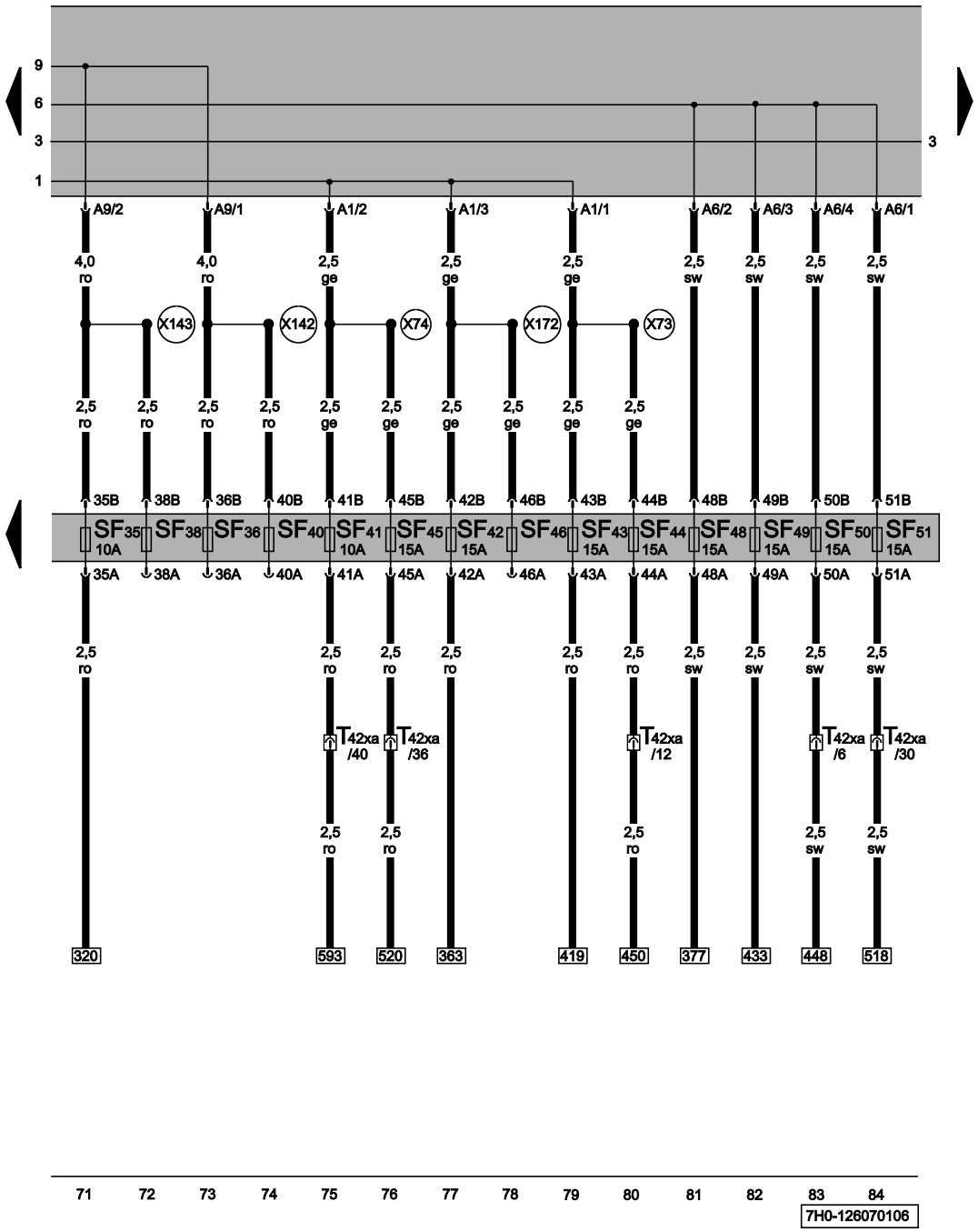
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rs	=	pink



Fuses

SF21	Fuse 21 on fuse holder F
SF22	Fuse 22 on fuse holder F
SF23	Fuse 23 on fuse holder F
SF25	Fuse 25 on fuse holder F
SF26	Fuse 26 on fuse holder F
SF27	Fuse 27 on fuse holder F
SF28	Fuse 28 on fuse holder F
SF29	Fuse 29 on fuse holder F
SF31	Fuse 31 on fuse holder F
SF32	Fuse 32 on fuse holder F
SF33	Fuse 33 on fuse holder F
SF34	Fuse 34 on fuse holder F
SF39	Fuse 39 on fuse holder F
T42xa	42-pin connector
X144	Positive connection 5 (30), in optional equipment wiring harness
X147	Positive connection 6 (30), in optional equipment wiring harness

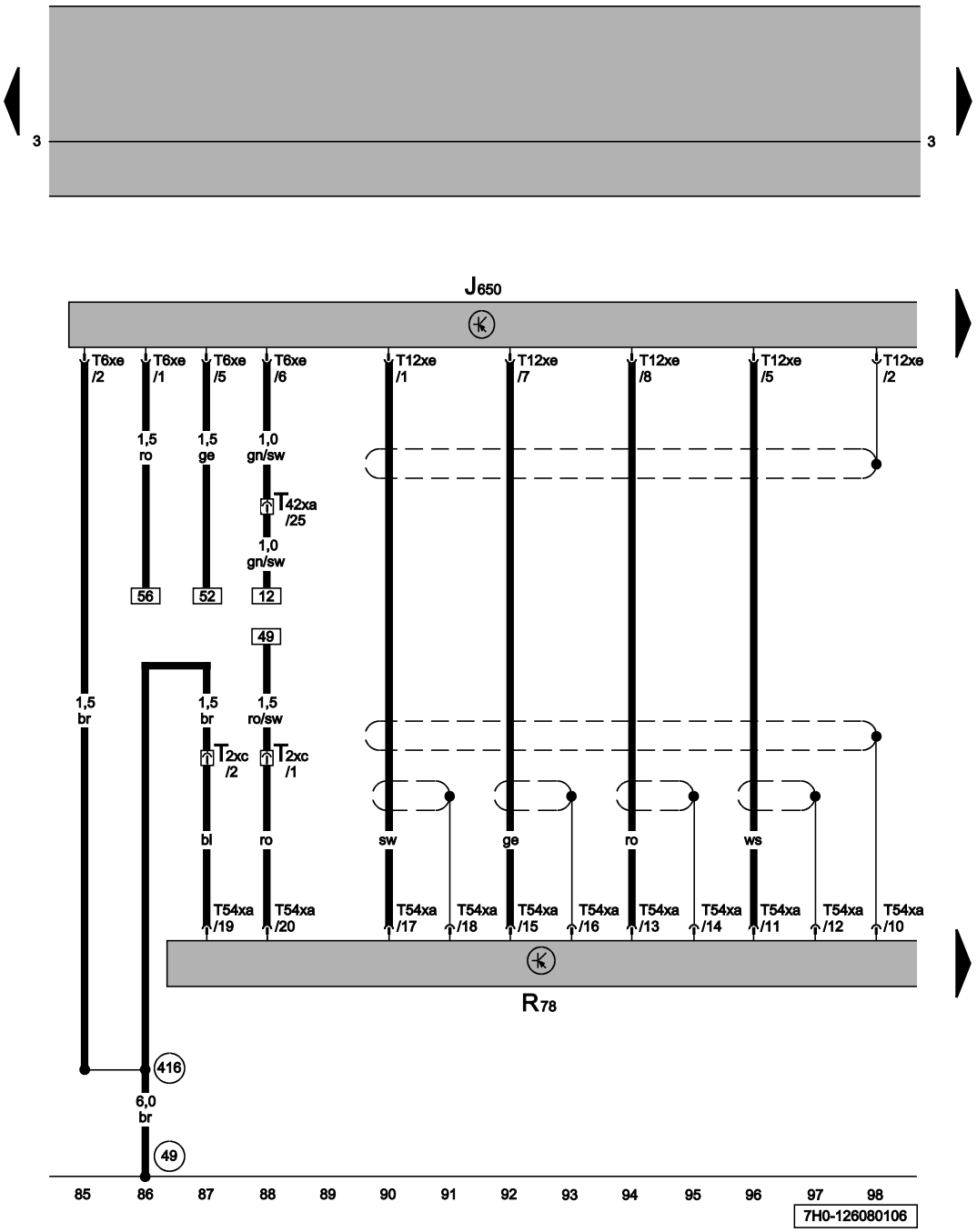
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or	=	orange
rs	=	pink



Fuses

SF35	Fuse 35 on fuse holder F
SF36	Fuse 36 on fuse holder F
SF38	Fuse 38 on fuse holder F
SF40	Fuse 40 on fuse holder F
SF41	Fuse 41 on fuse holder F
SF42	Fuse 42 on fuse holder F
SF43	Fuse 43 on fuse holder F
SF44	Fuse 44 on fuse holder F
SF45	Fuse 45 on fuse holder F
SF46	Fuse 46 on fuse holder F
SF48	Fuse 48 on fuse holder F
SF49	Fuse 49 on fuse holder F
SF50	Fuse 50 on fuse holder F
SF51	Fuse 51 on fuse holder F
T42xa	42-pin connector
X73	Connection 1 (S contact), in optional equipment wiring harness
X74	Connection 2 (S contact), in optional equipment wiring harness
X142	Positive connection 3 (30), in optional equipment wiring harness
X143	Positive connection 4 (30), in optional equipment wiring harness
X172	Connection 3 (S contact), in optional equipment wiring harness

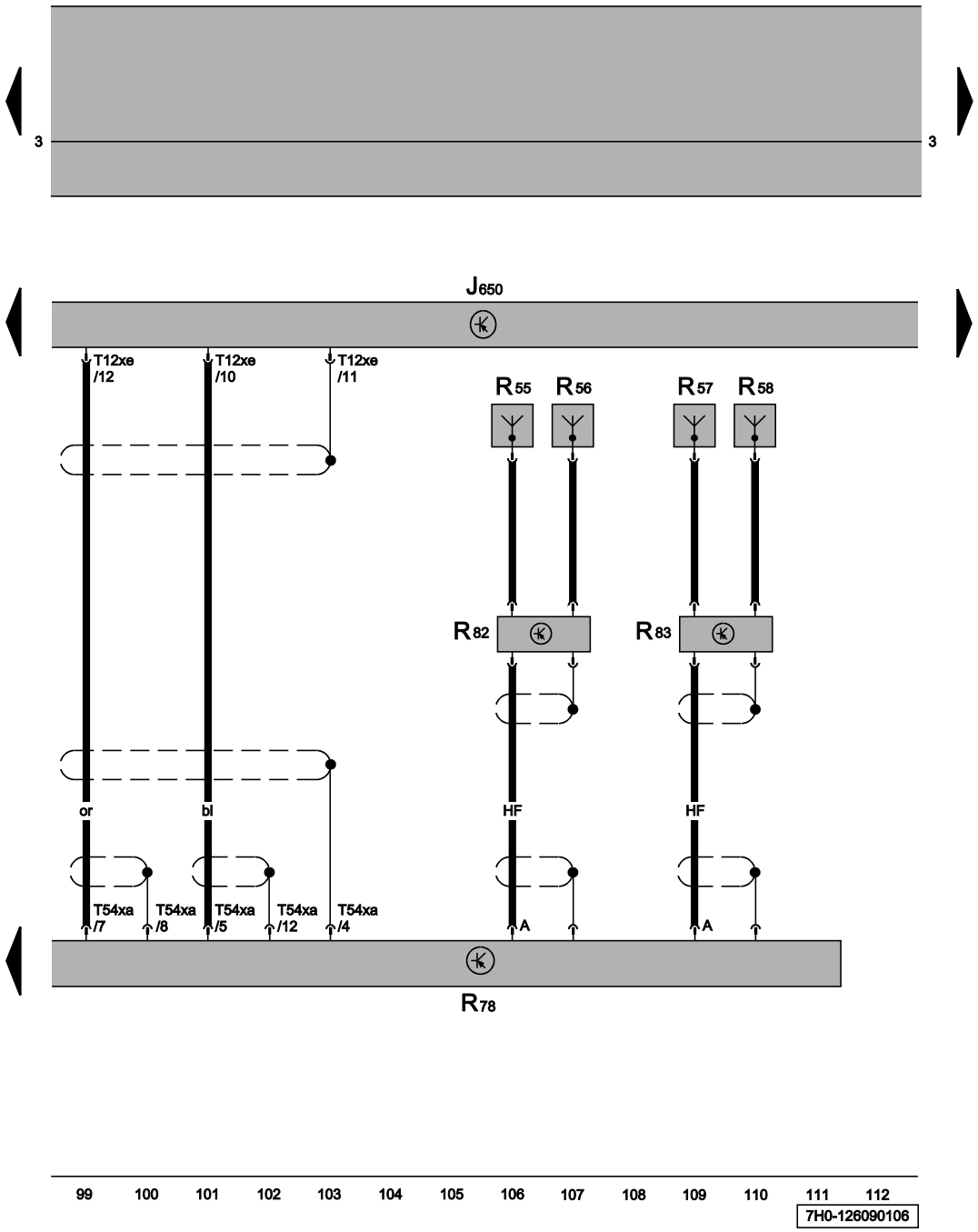
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Multimedia control unit, TV tuner

J650	Multimedia control unit
R78	TV tuner
T2xc	2-pin connector
T6xe	6-pin connector
T12xe	12-pin connector
T42xa	42-pin connector
T54xa	54-pin connector
49	Earth point, near rear left seat
416	Earth connection, in rear armrest wiring harness

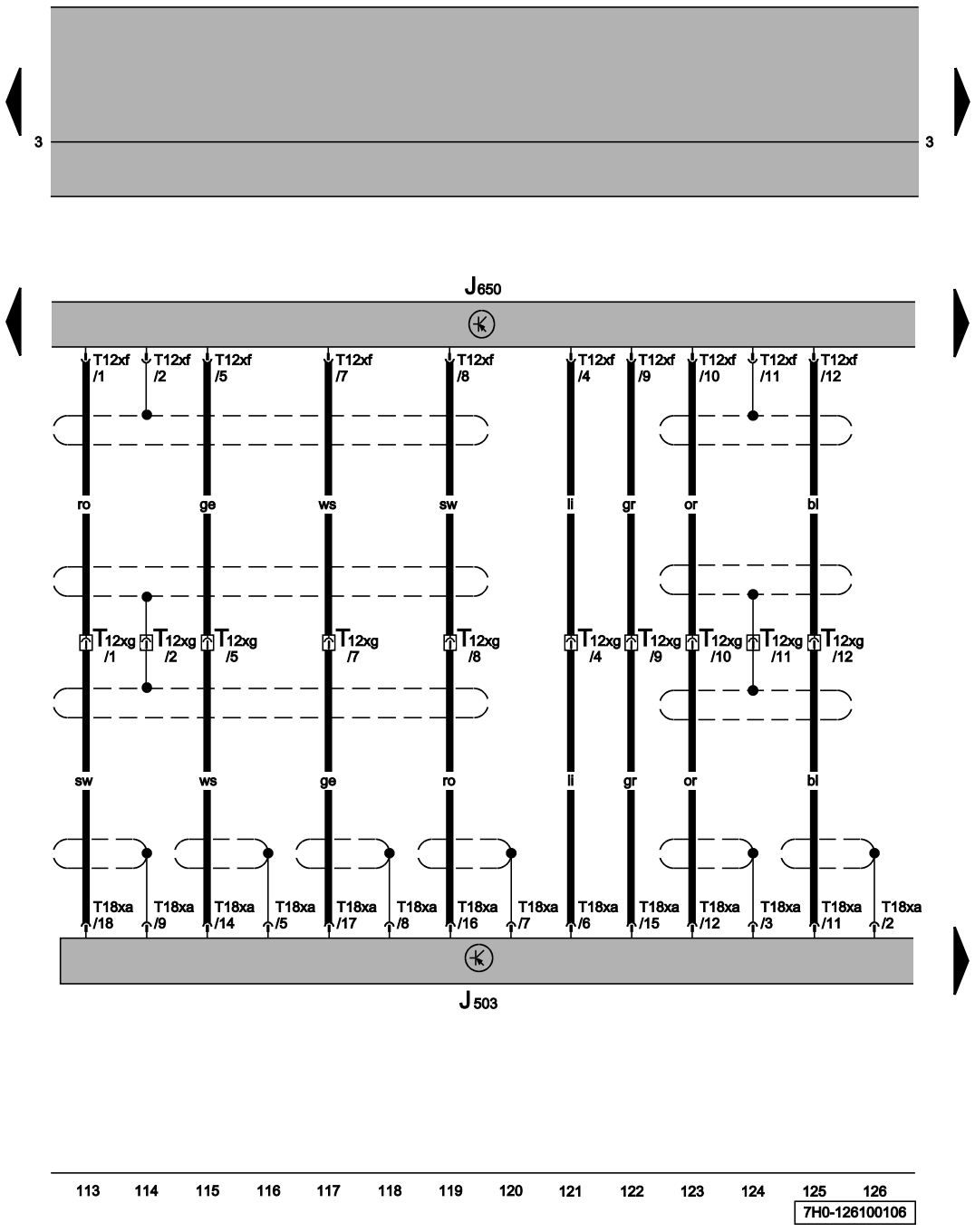
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rs	=	pink



Multimedia control unit, TV aerials, TV tuner, aerial amplifier for TV

J650	Multimedia control unit
R55	TV aerial 1
R56	TV aerial 2
R57	TV aerial 3
R58	TV aerial 4
R78	TV tuner
R82	Aerial amplifier 1 for TV
R83	Aerial amplifier 2 for TV
T12xe	12-pin connector
T54xa	54-pin connector

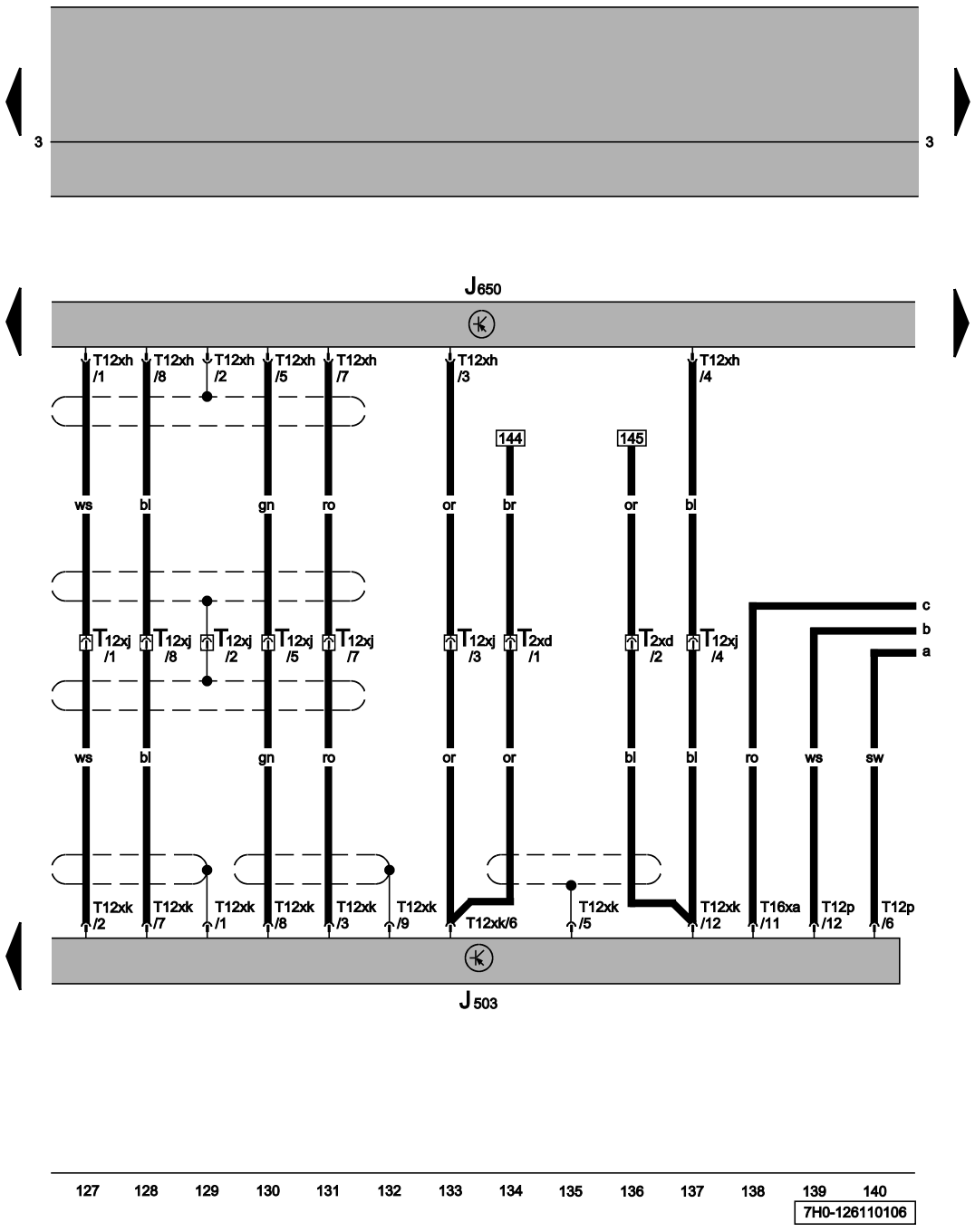
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or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, multimedia control unit

J503	Control unit with display for radio and navigation system
J650	Multimedia control unit
T12xf	12-pin connector
T12xg	12-pin connector
T18xa	18-pin connector

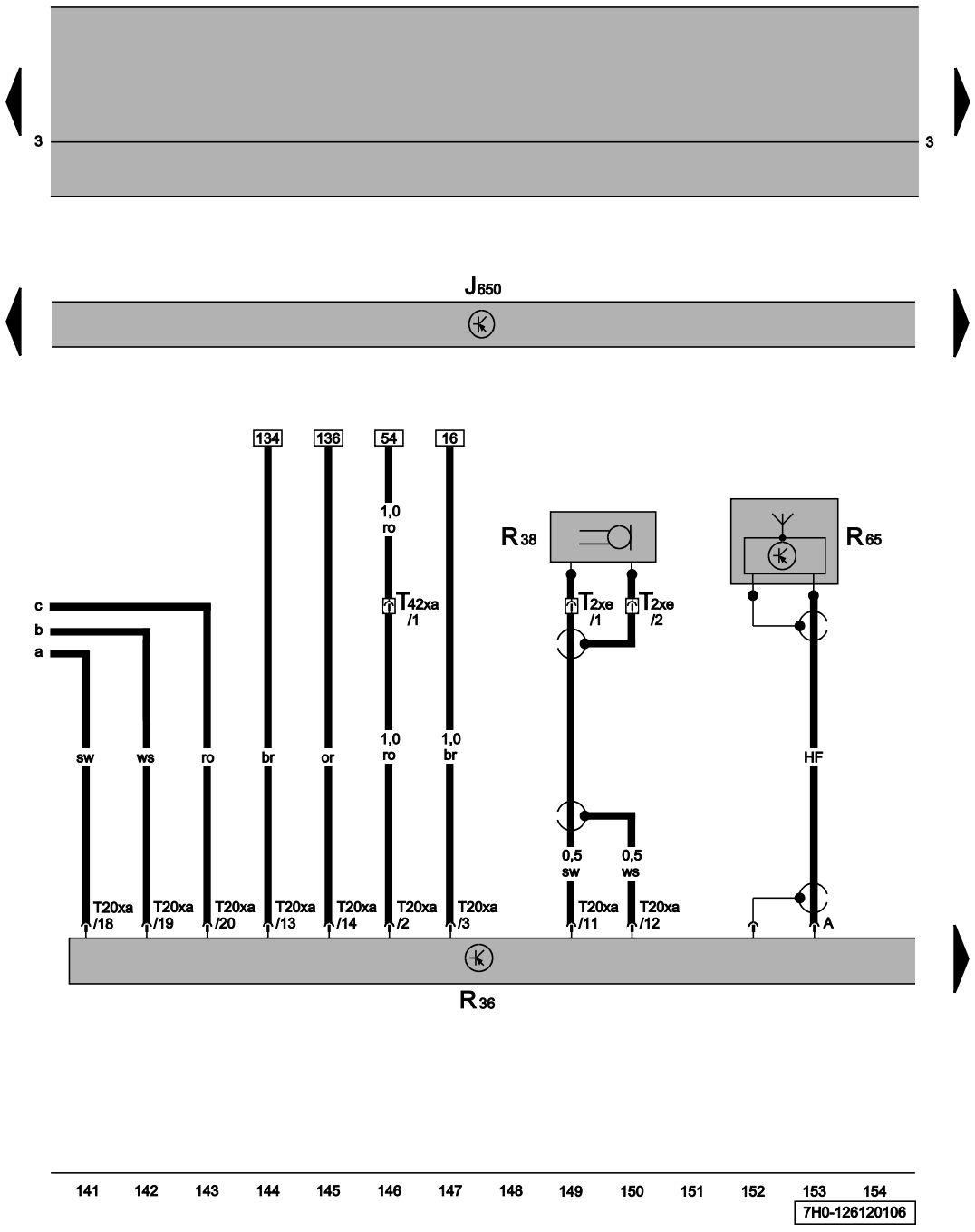
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or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, multimedia control unit

J503	Control unit with display for radio and navigation system
J650	Multimedia control unit
T2xd	2-pin connector
T12p	12-pin connector, green
T12xh	12-pin connector
T12xj	12-pin connector
T12xk	12-pin connector
T16xa	16-pin connector

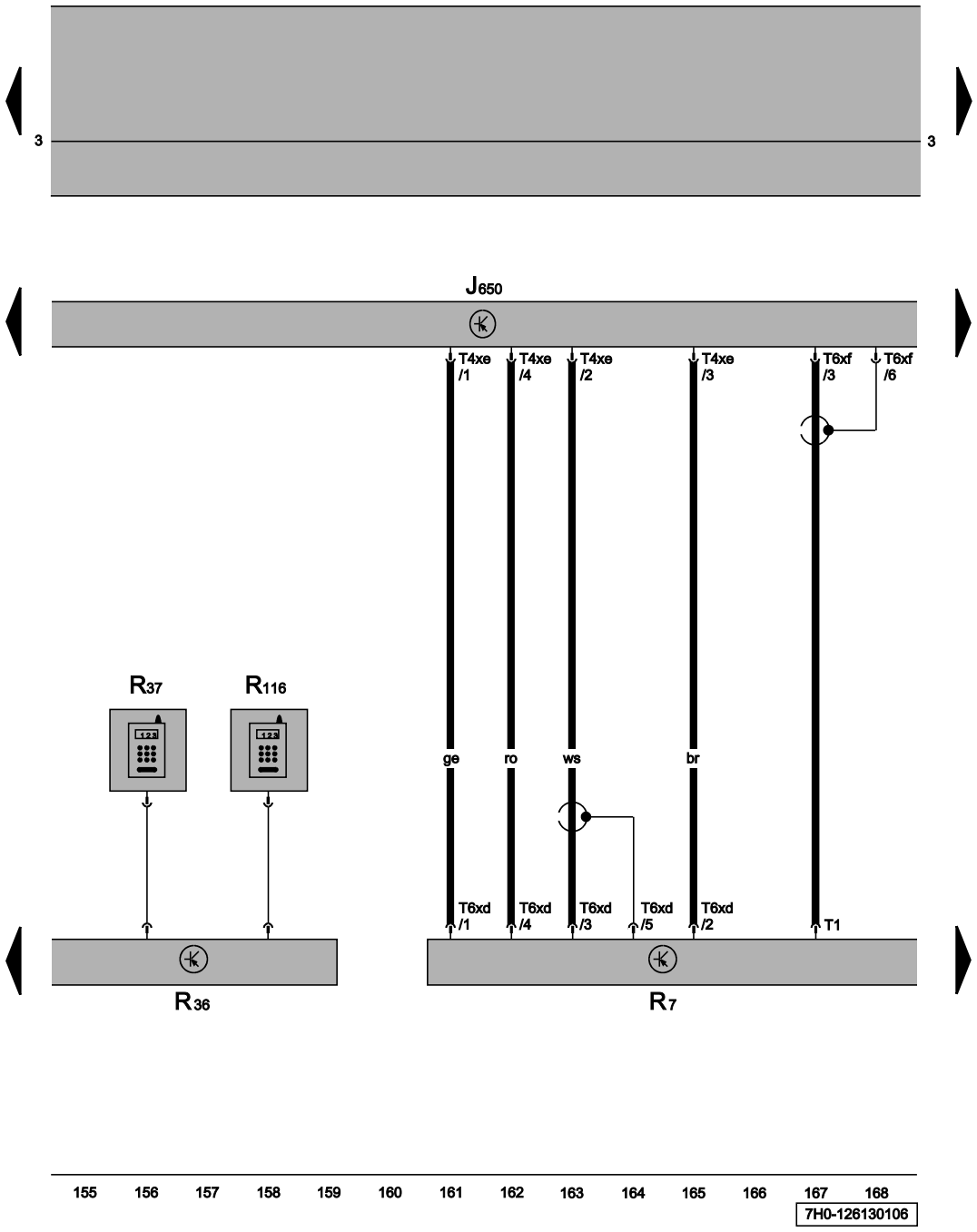
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rs	=	pink



Multimedia control unit, telephone transmitter and receiver unit, telephone microphone, telephone aerial

J650	Multimedia control unit
R36	Telephone transmitter and receiver unit
R38	Telephone microphone
R65	Telephone aerial
T2xe	2-pin connector
T20xa	20-pin connector
T42xa	42-pin connector

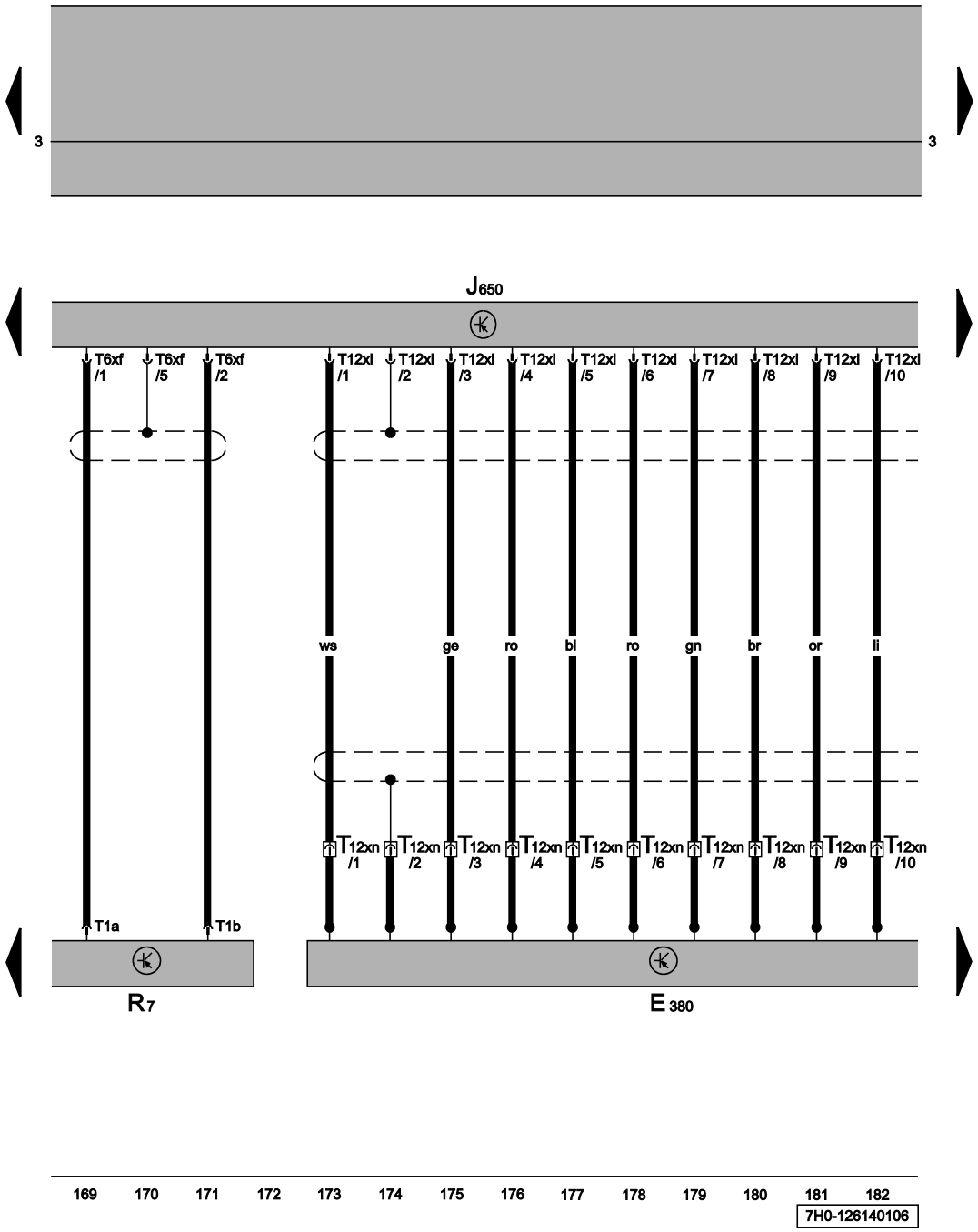
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rs	=	pink



Multimedia control unit, DVD player, telephone transmitter and receiver unit, telephone handset, telephone handset 2

J650	Multimedia control unit
R7	DVD player
R36	Telephone transmitter and receiver unit
R37	Telephone handset
R116	Telephone handset 2
T1	Single connector
T4xe	4-pin connector
T6xd	6-pin connector
T6xf	6-pin connector

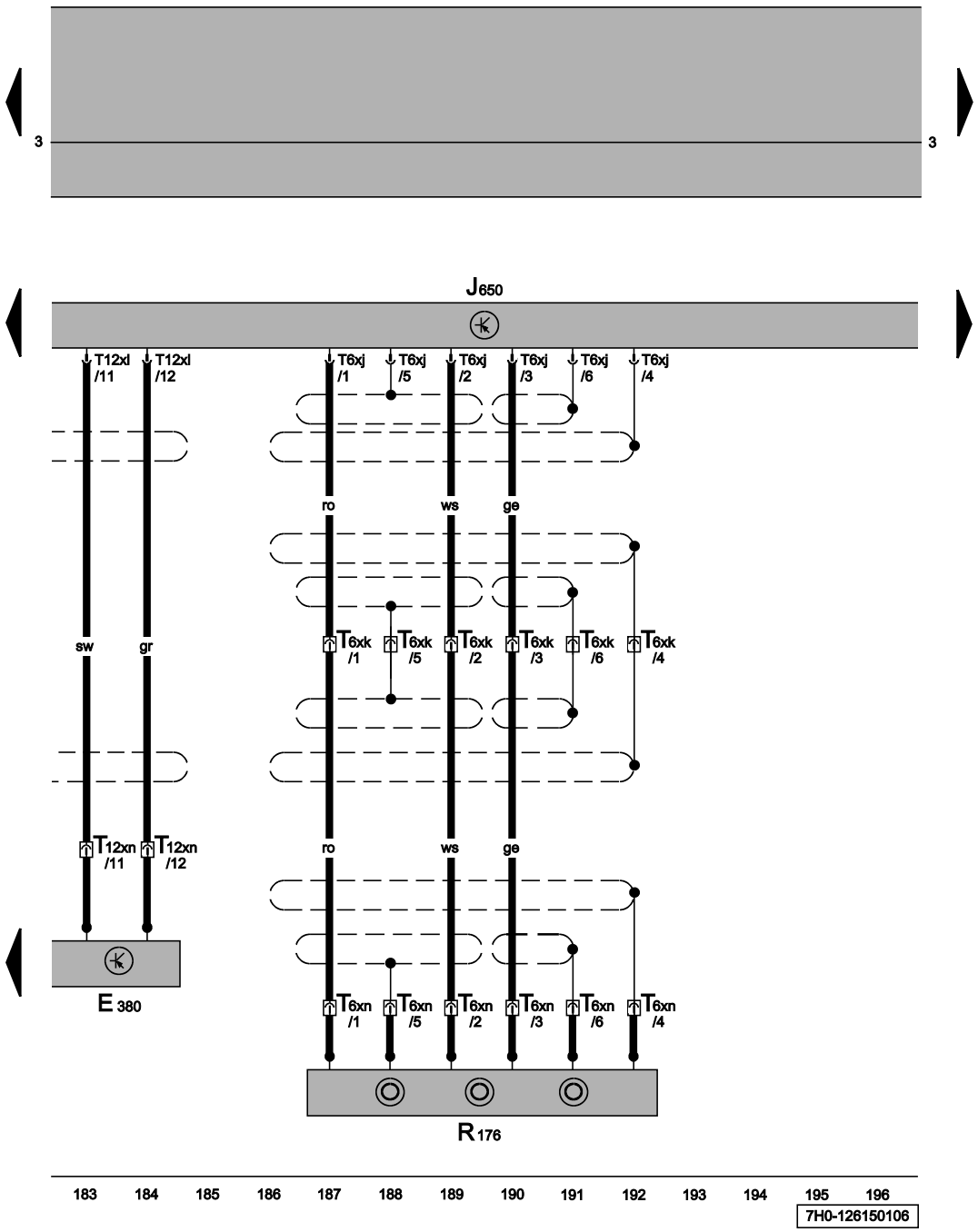
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Multimedia system operating unit, multimedia control unit, DVD player

E380	Multimedia system operating unit
J650	Multimedia control unit
R7	DVD player
T1a	Single connector
T1b	Single connector
T6xf	6-pin connector
T12xl	12-pin connector
T12xn	12-pin connector

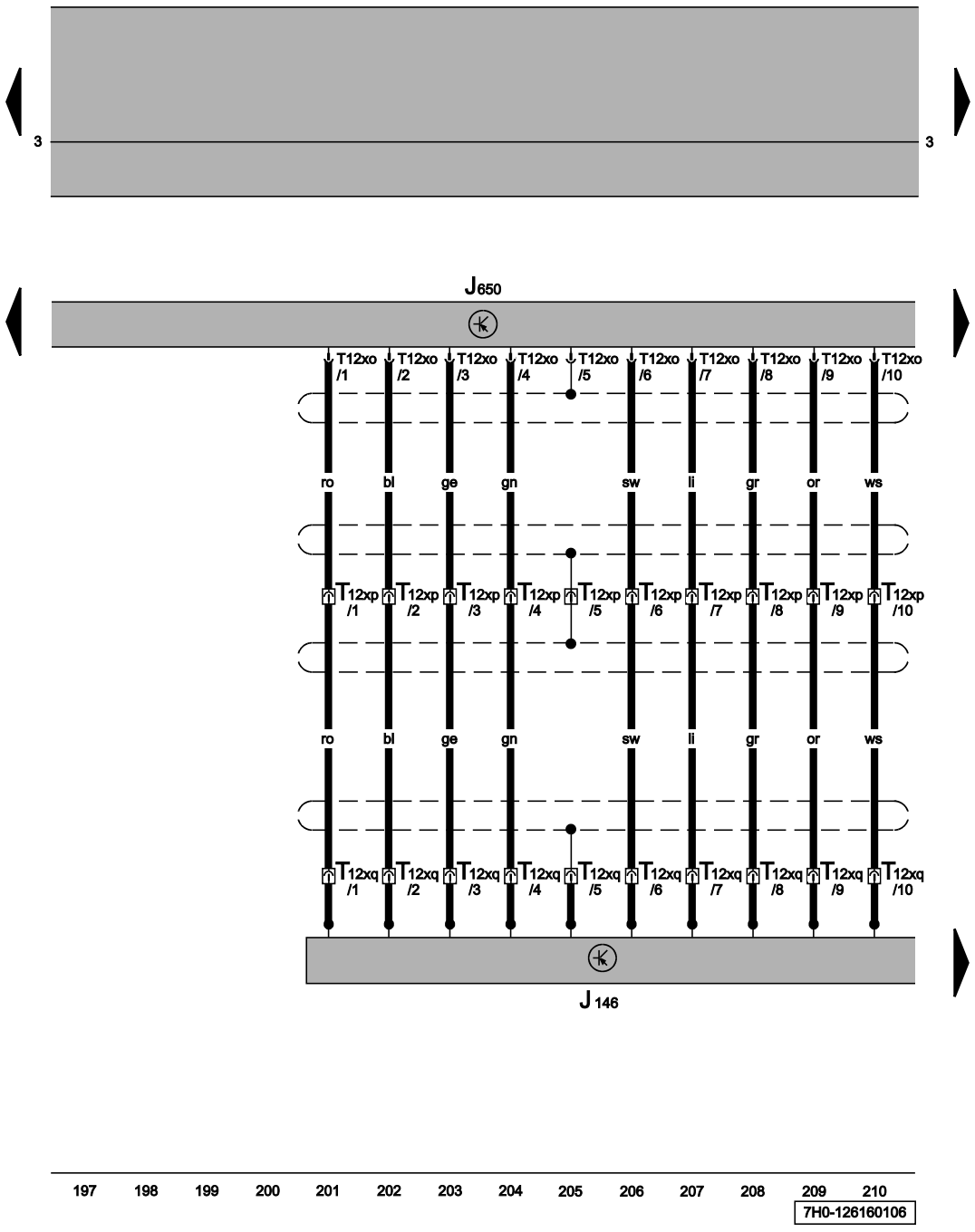
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rs	=	pink



Multimedia system operating unit, multimedia control unit, additional connections unit for audio and video

E380	Multimedia system operating unit
J650	Multimedia control unit
R176	Additional connections unit for audio and video
T6xj	6-pin connector
T6xk	6-pin connector
T6xn	6-pin connector
T12xl	12-pin connector
T12xn	12-pin connector

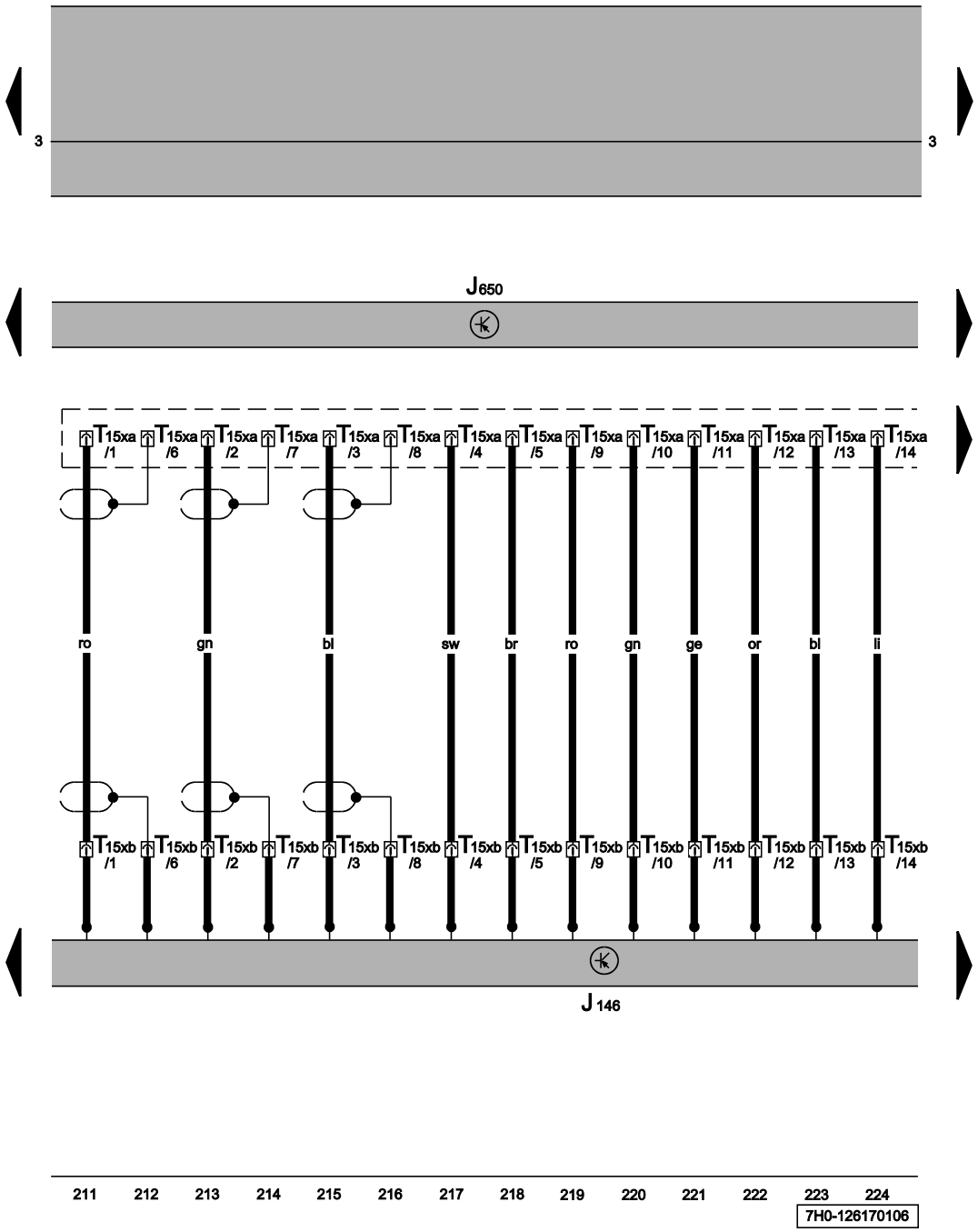
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rs	=	pink



Display unit control unit, multimedia control unit

J146	Display unit control unit
J650	Multimedia control unit
T12xo	12-pin connector
T12xp	12-pin connector
T12xq	12-pin connector

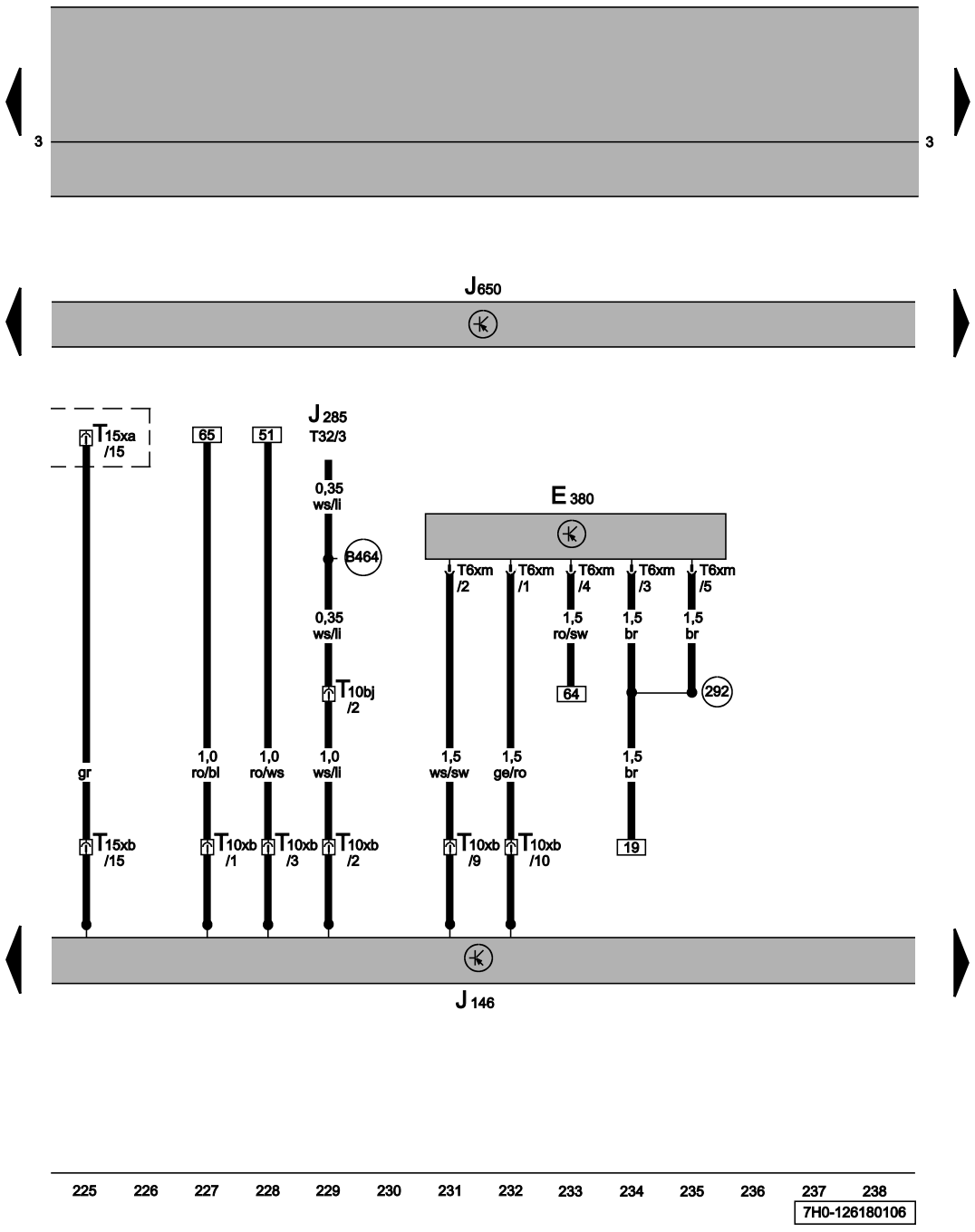
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Display unit control unit, multimedia control unit

J146	Display unit control unit
J650	Multimedia control unit
T15xa	15-pin connector
T15xb	15-pin connector

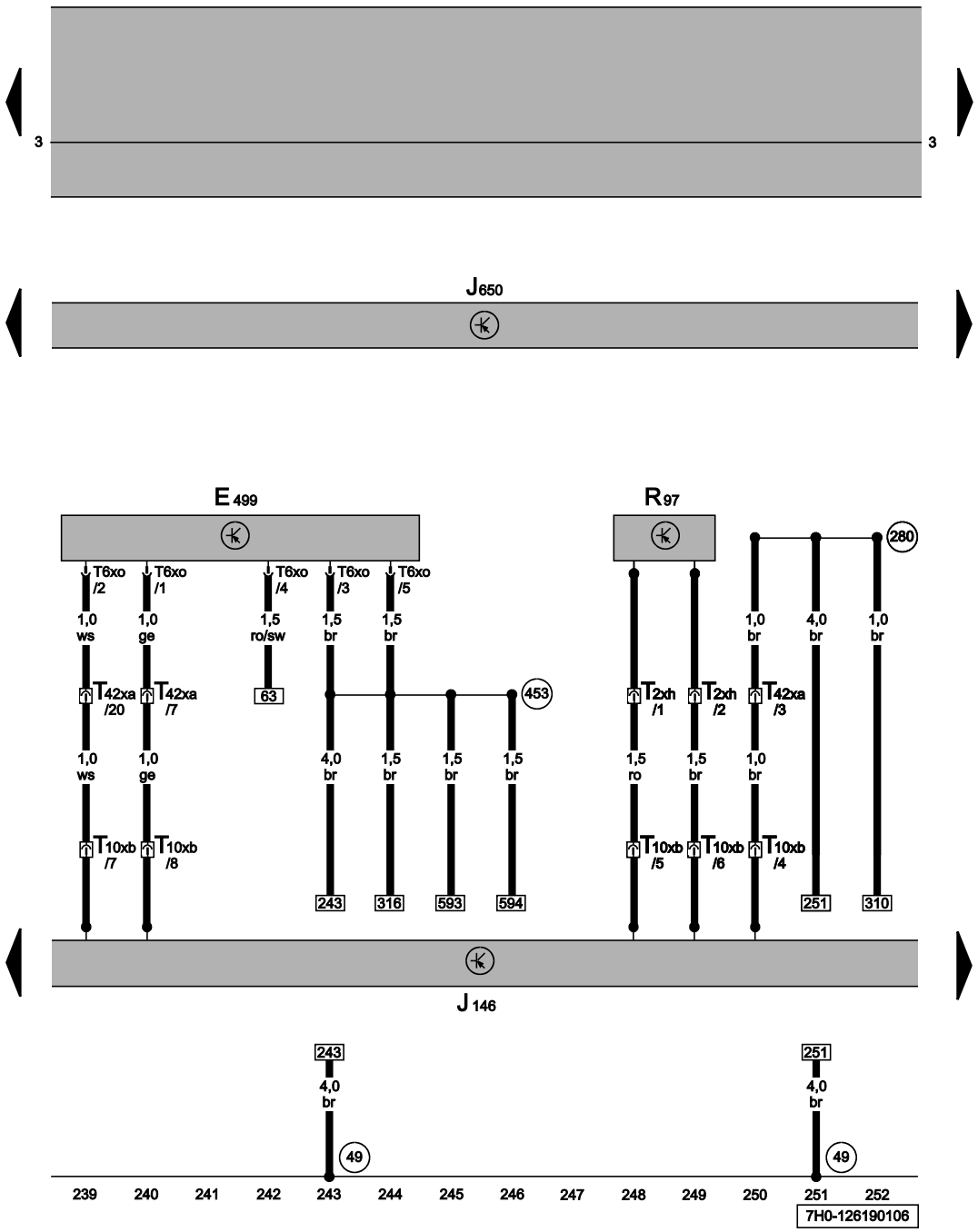
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or	=	orange
rs	=	pink



Multimedia system operating unit, display unit control unit, multimedia control unit

E380	Multimedia system operating unit
J146	Display unit control unit
J285	Control unit in dash panel insert
J650	Multimedia control unit
T6xm	6-pin connector
T10xb	10-pin connector
T10bj	10-pin connector, yellow, coupling station under driver seat
T15xa	15-pin connector
T15xb	15-pin connector
T32	32-pin connector, blue
292	Earth connection 3, in second battery wiring harness
B464	Connection (speed signal), in main wiring harness

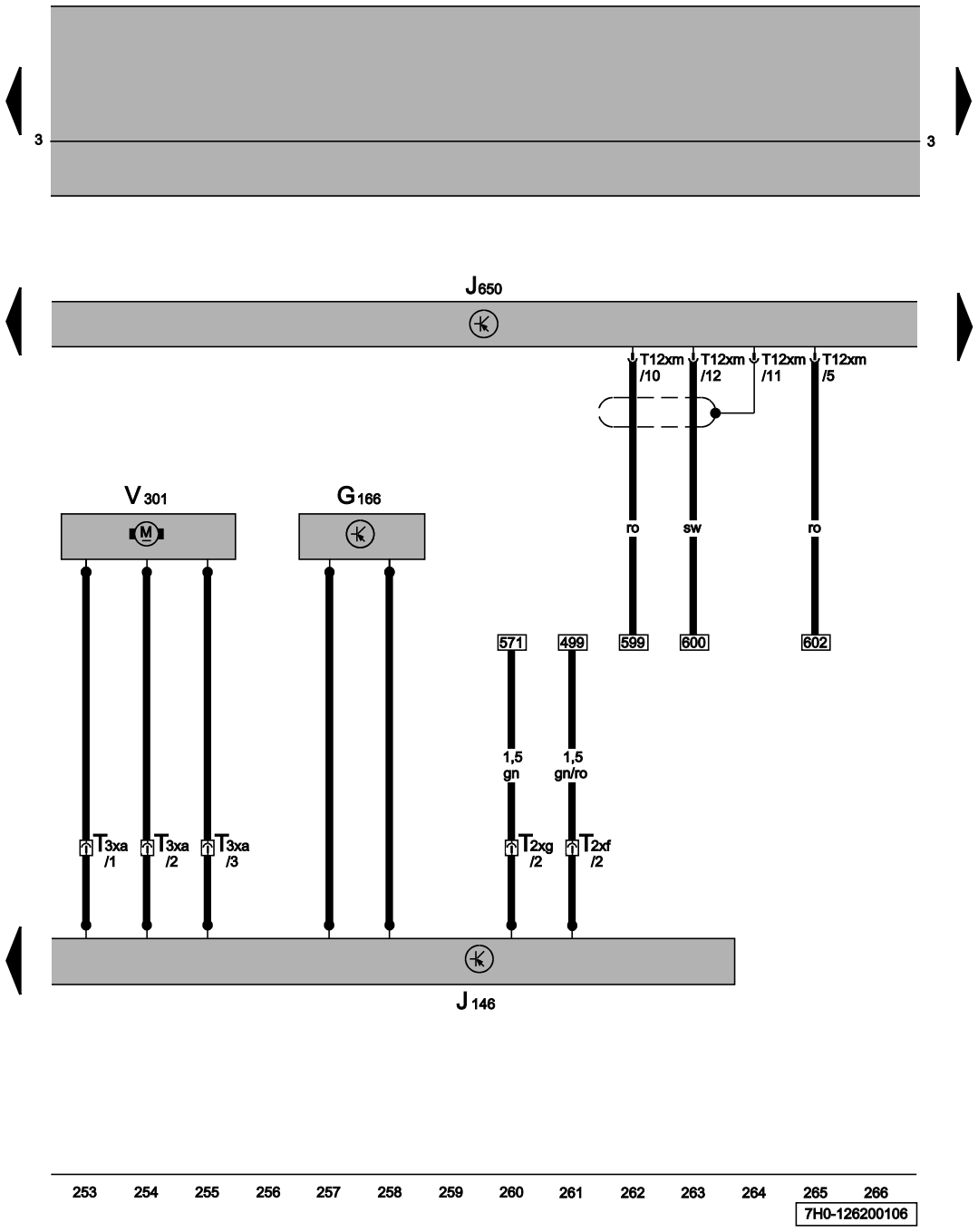
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Multimedia system operating unit 2, display unit control unit, multimedia control unit, rear TV and video display unit

E499	Multimedia system operating unit 2
J146	Display unit control unit
J650	Multimedia control unit
R97	Rear TV and video display unit
T2xh	2-pin connector
T6xo	6-pin connector
T10xb	10-pin connector
T42xa	42-pin connector
49	Earth point, near rear left seat
280	Earth connection, in communications wiring harness
453	Earth connection 3, in optional equipment wiring harness

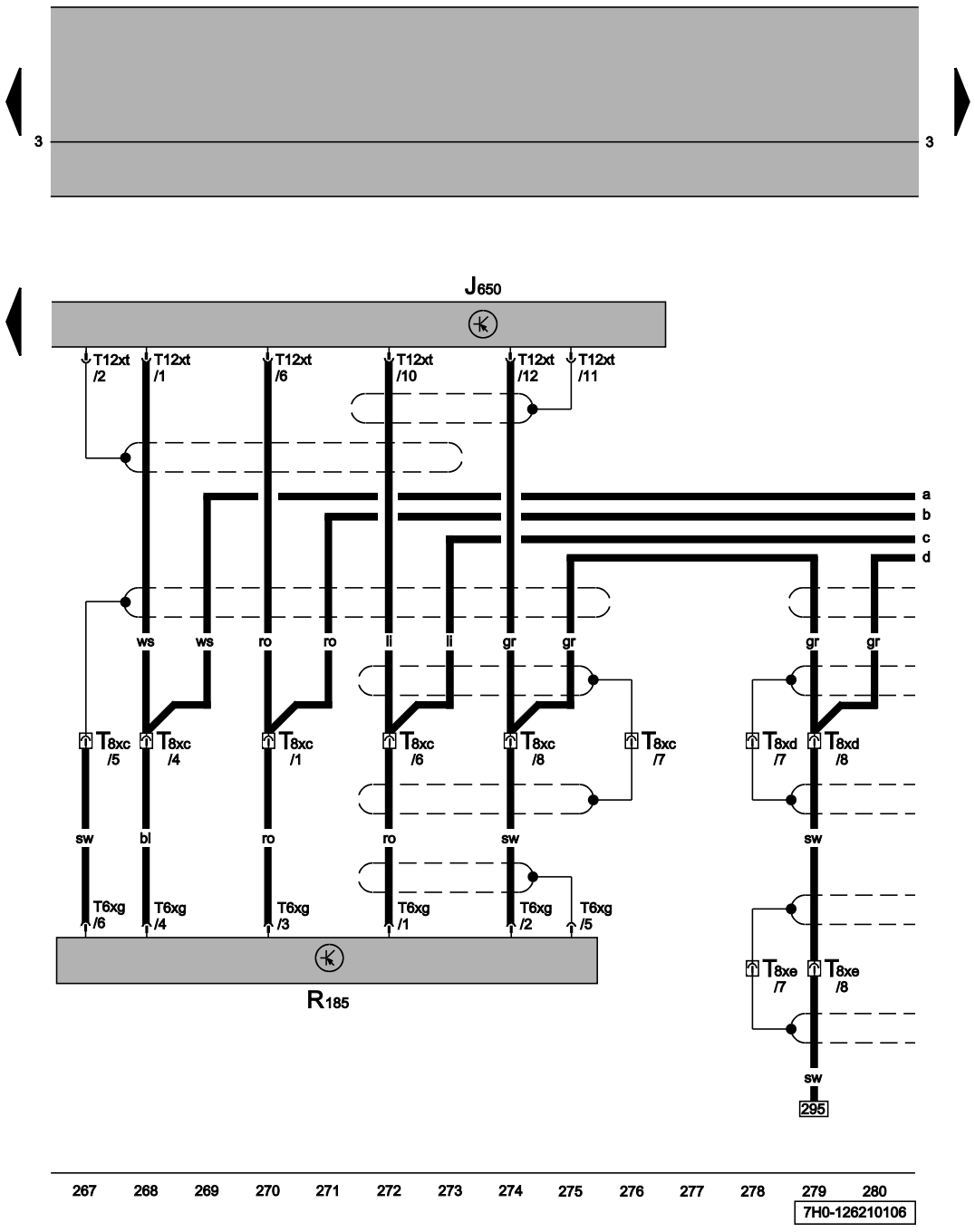
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Display unit control unit, front infrared sensor, multimedia control unit, open and close display motor

G166	Front infrared sensor
J146	Display unit control unit
J650	Multimedia control unit
T2xf	2-pin connector
T2xg	2-pin connector
T3xa	3-pin connector
T12xm	12-pin connector
V301	Open and close display motor

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Multimedia control unit, headphone connection 1

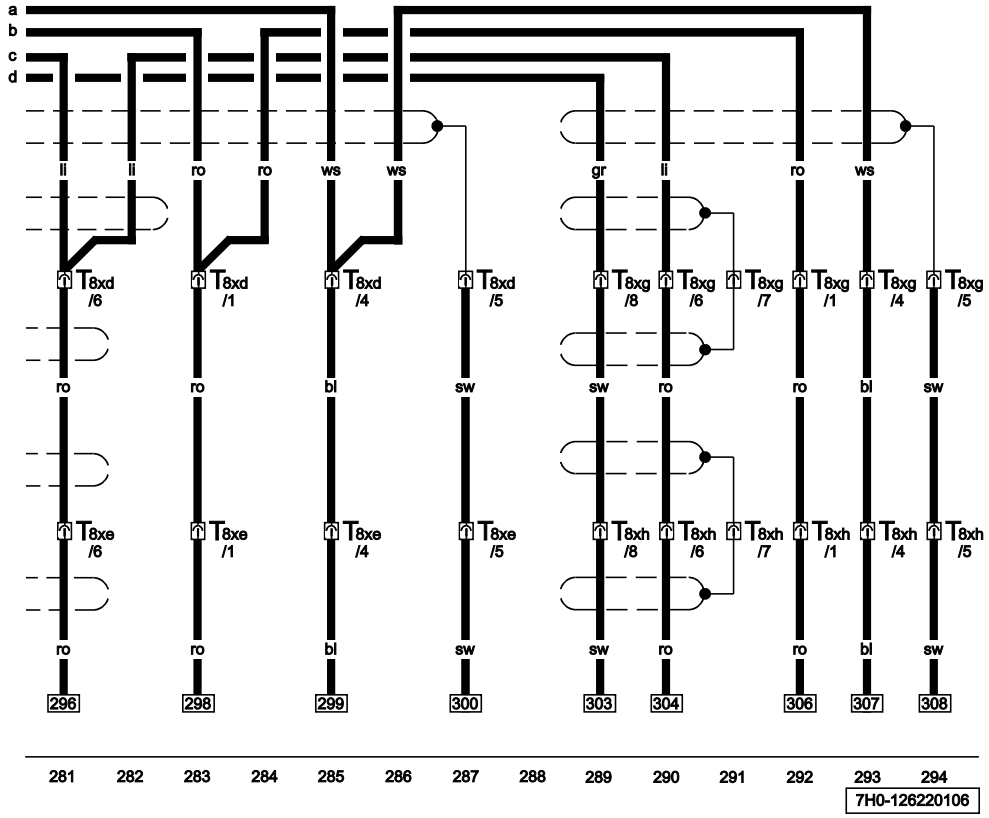
J650	Multimedia control unit
R185	Headphone connection 1
T6xg	6-pin connector
T8xc	8-pin connector
T8xd	8-pin connector
T8xe	8-pin connector
T12xt	12-pin connector

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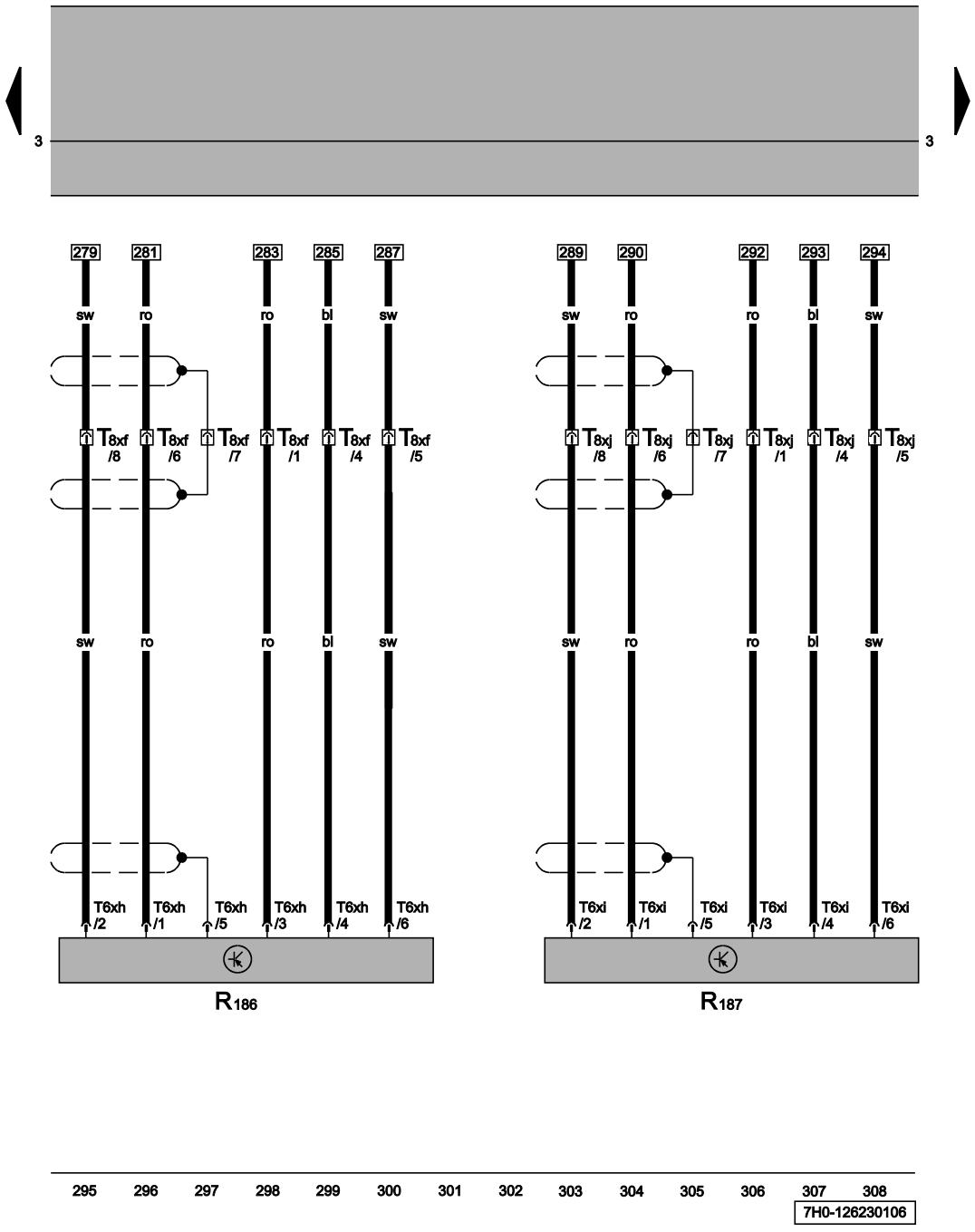


Coupling points

T8xd	8-pin connector
T8xe	8-pin connector
T8xg	8-pin connector
T8xh	8-pin connector



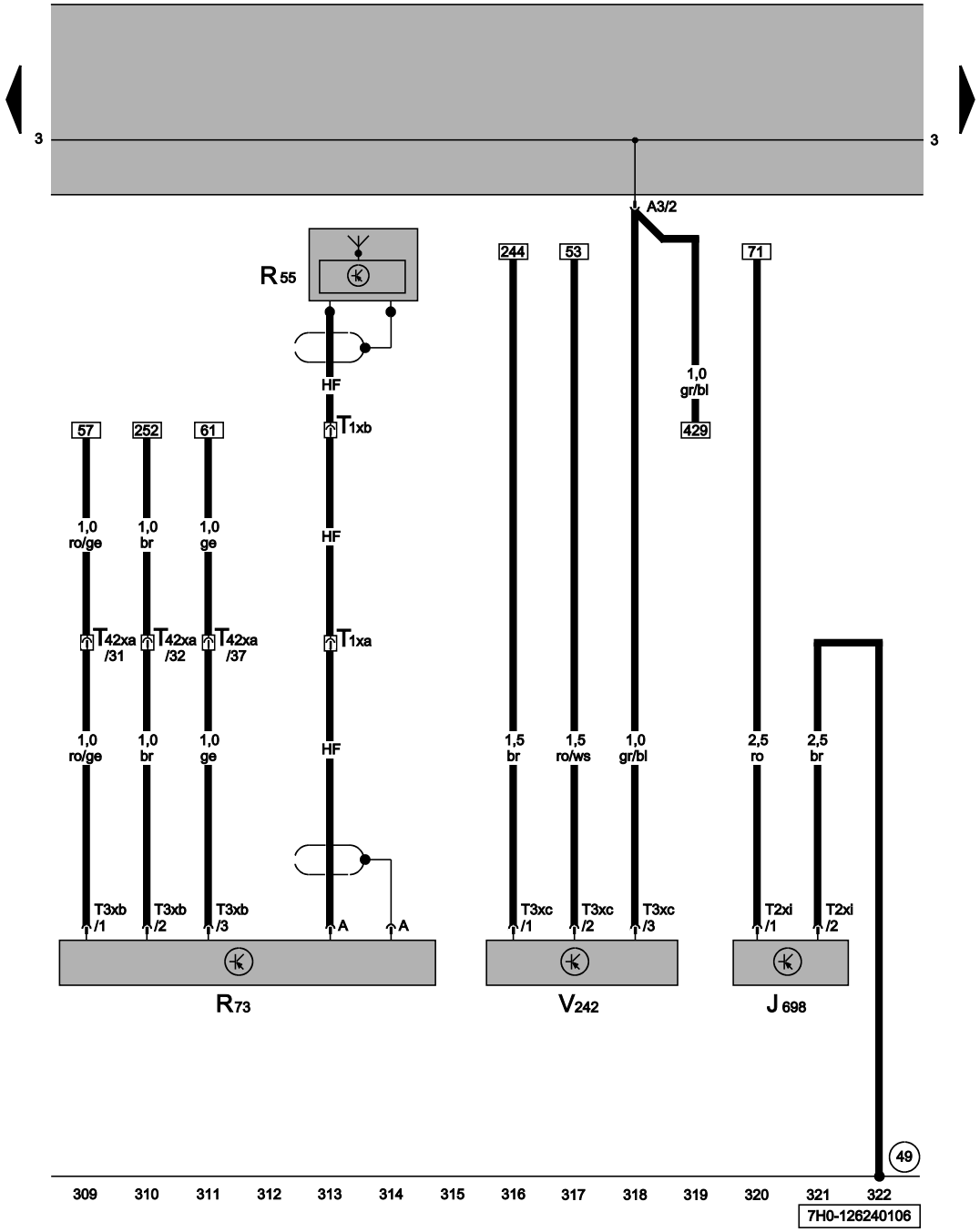
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Headphone connection 2, headphone connection 3

R186	Headphone connection 2
R187	Headphone connection 3
T6xh	6-pin connector
T6xi	6-pin connector
T8xf	8-pin connector
T8xj	8-pin connector

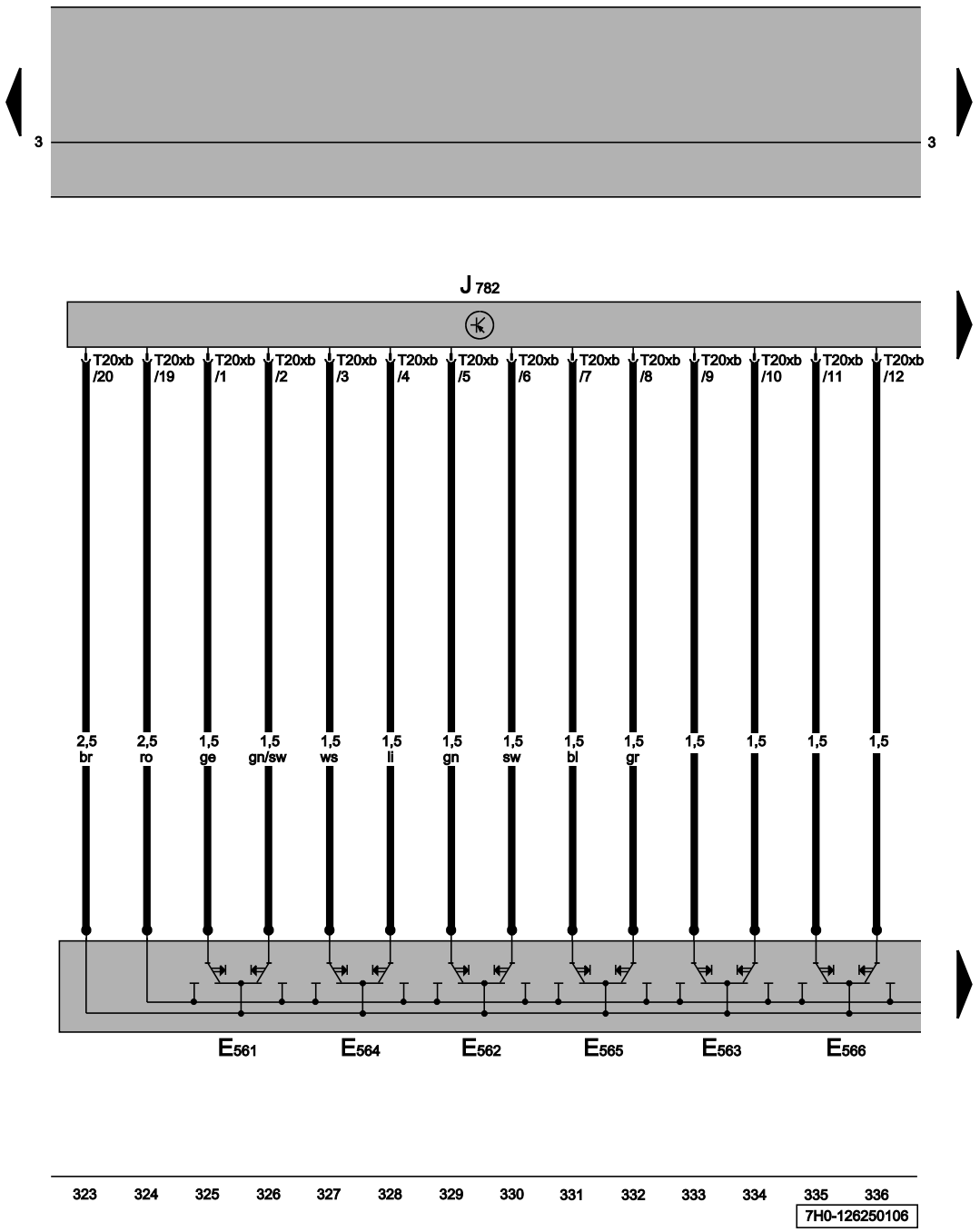
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rs	=	pink



Refrigerator box, fax unit

J698	Refrigerator box
R55	TV aerial 1
R73	Fax unit
T1xa	Single connector
T1xb	Single connector
T2xi	2-pin connector
T3xb	3-pin connector
T3xc	3-pin connector
T42xa	42-pin connector
V242	Rear air recirculation blower
49	Earth point, near rear left seat

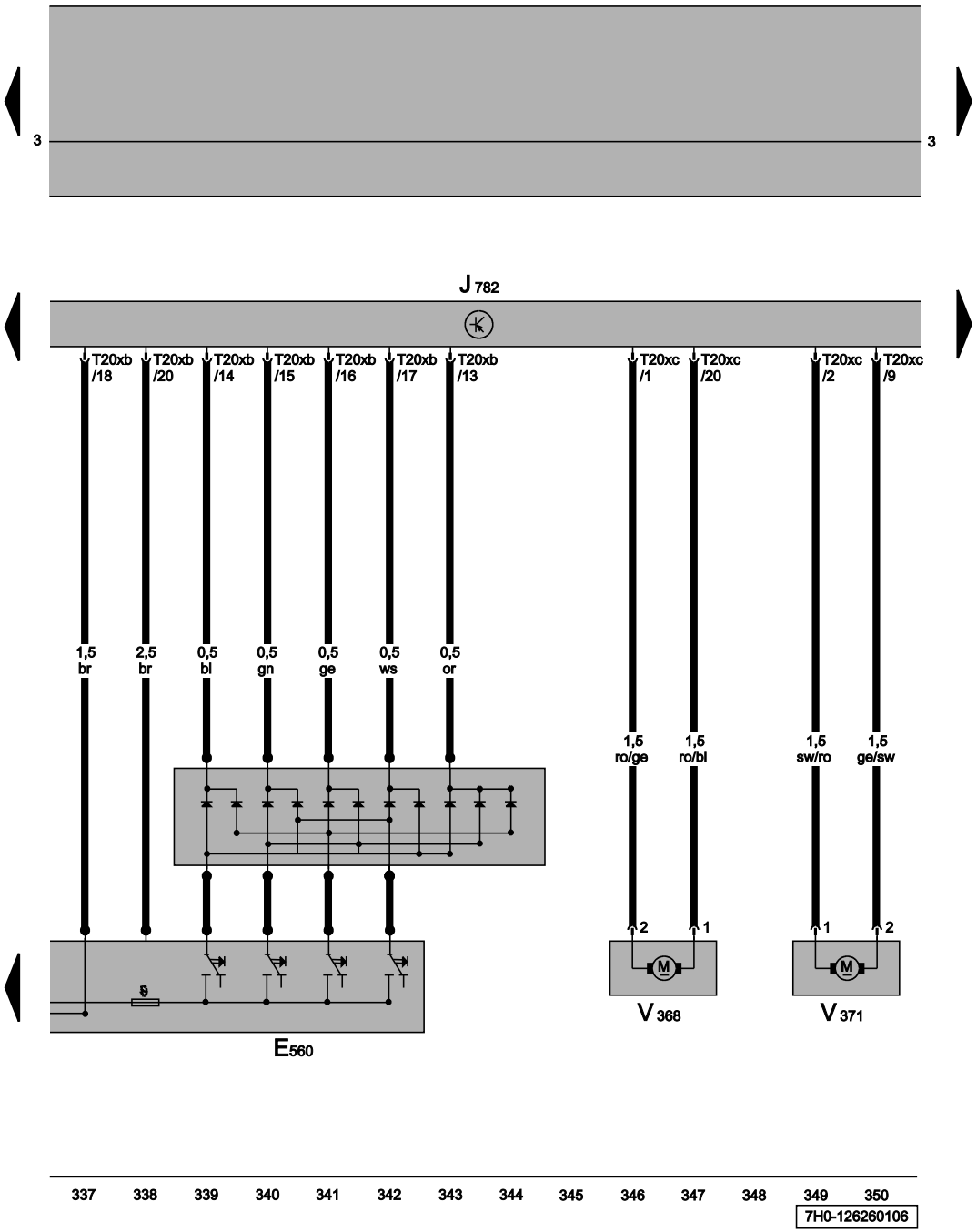
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rs	=	pink



Control unit for left seat, row 3

E561	Height adjustment button for front of left seat, row 3
E562	Height adjustment button for rear of left seat, row 3
E563	Head restraint adjustment button for left seat, row 3
E564	Longitudinal adjustment button for left seat, row 3
E565	Backrest adjustment button for left seat, row 3
E566	Depth adjustment button for left seat, row 3
J782	Control unit for left seat, row 3
T20xb	20-pin connector

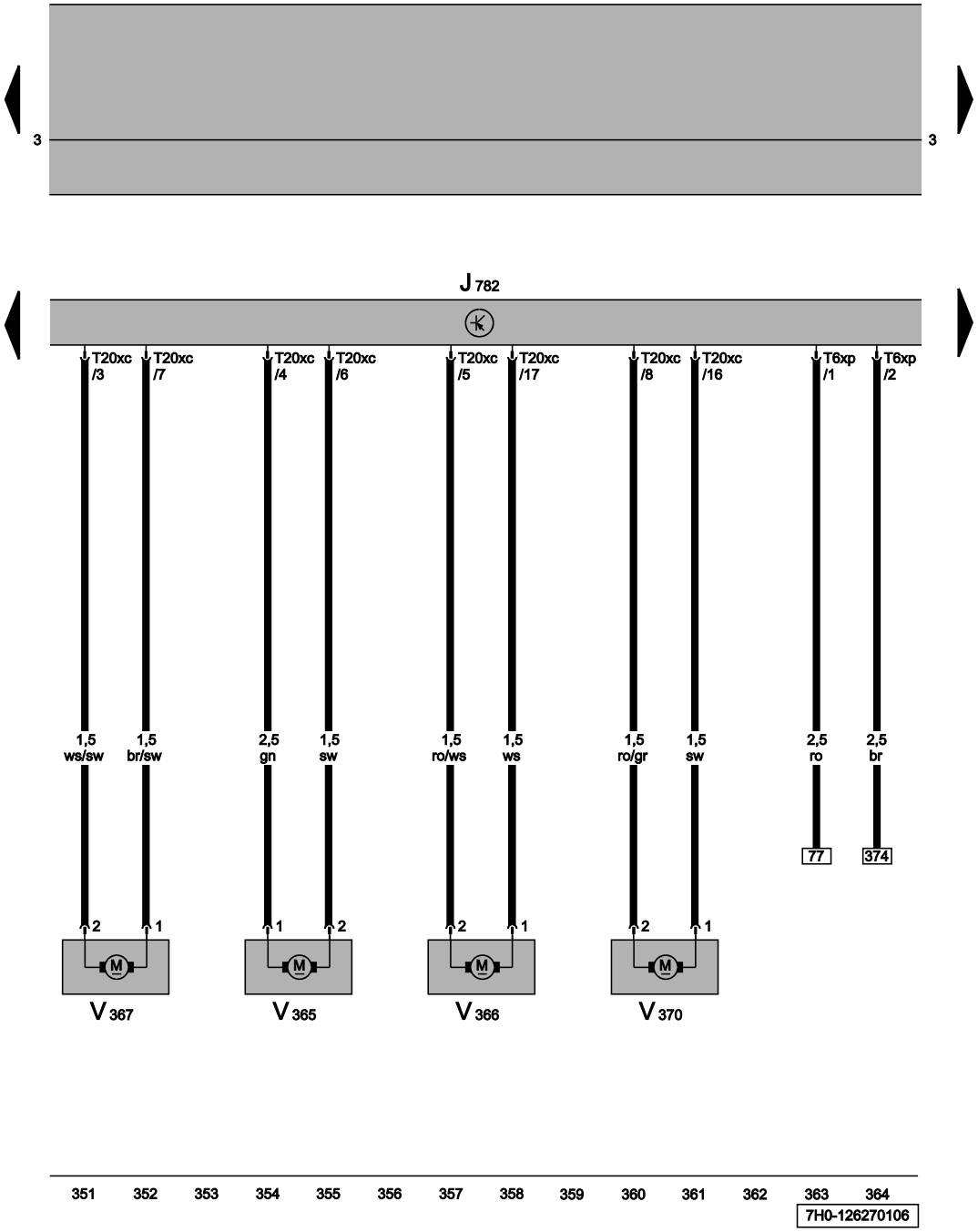
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rs	=	pink



Height adjustment button for lumbar support of left seat, row 3, control unit for left seat, row 3

E560	Height adjustment button for lumbar support of left seat, row 3
J782	Control unit for left seat, row 3
T20xb	20-pin connector
T20xc	20-pin connector
V368	Backrest adjustment motor for left seat, row 3
V371	Height adjustment motor 2 for left seat, row 3

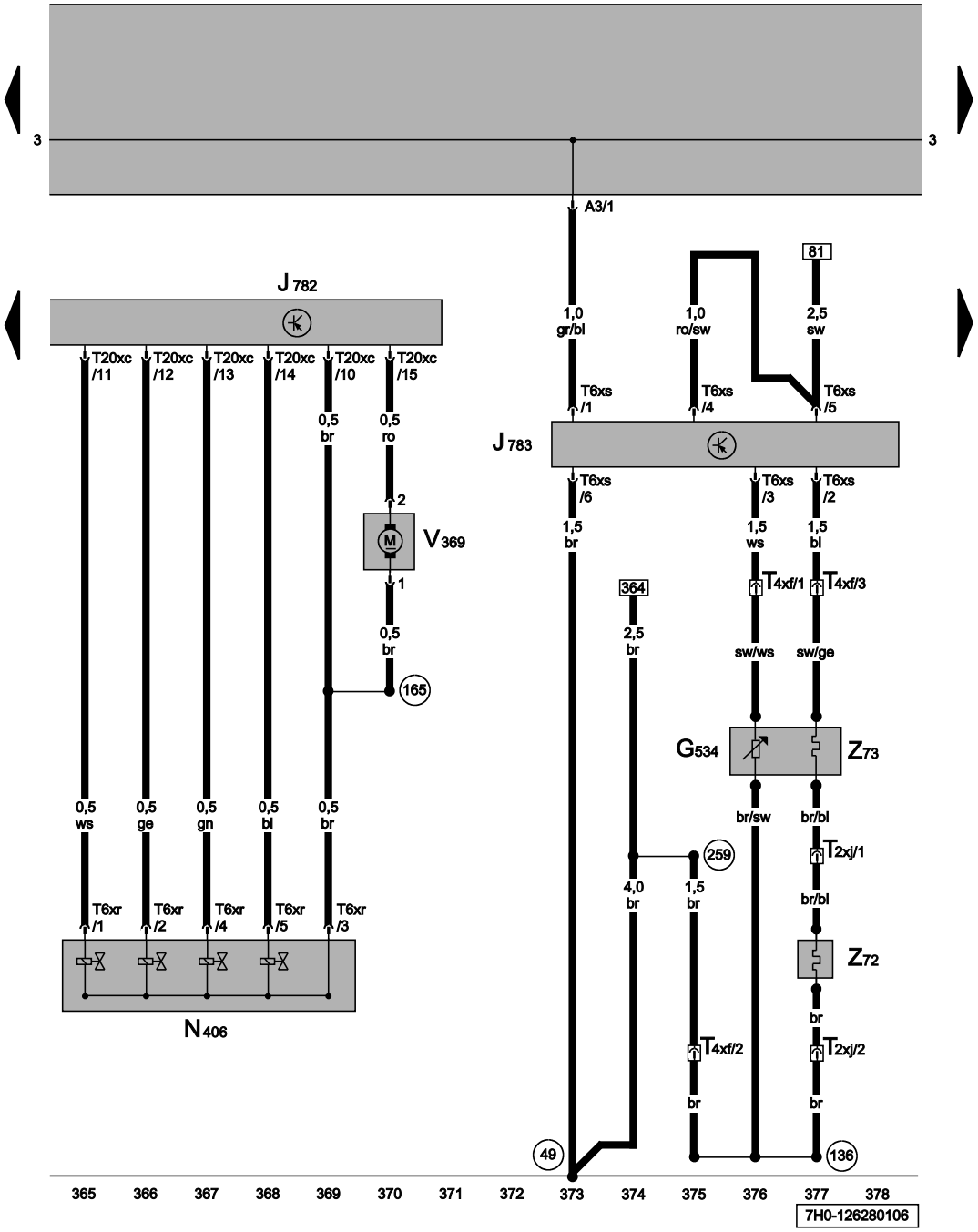
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rs	=	pink



Control unit for left seat, row 3

J782	Control unit for left seat, row 3
T6xp	6-pin connector
T20xc	20-pin connector
V365	Height adjustment motor 1 for left seat, row 3
V366	Head restraint adjustment motor for left seat, row 3
V367	Longitudinal adjustment motor for left seat, row 3
V370	Depth adjustment motor for left seat, row 3

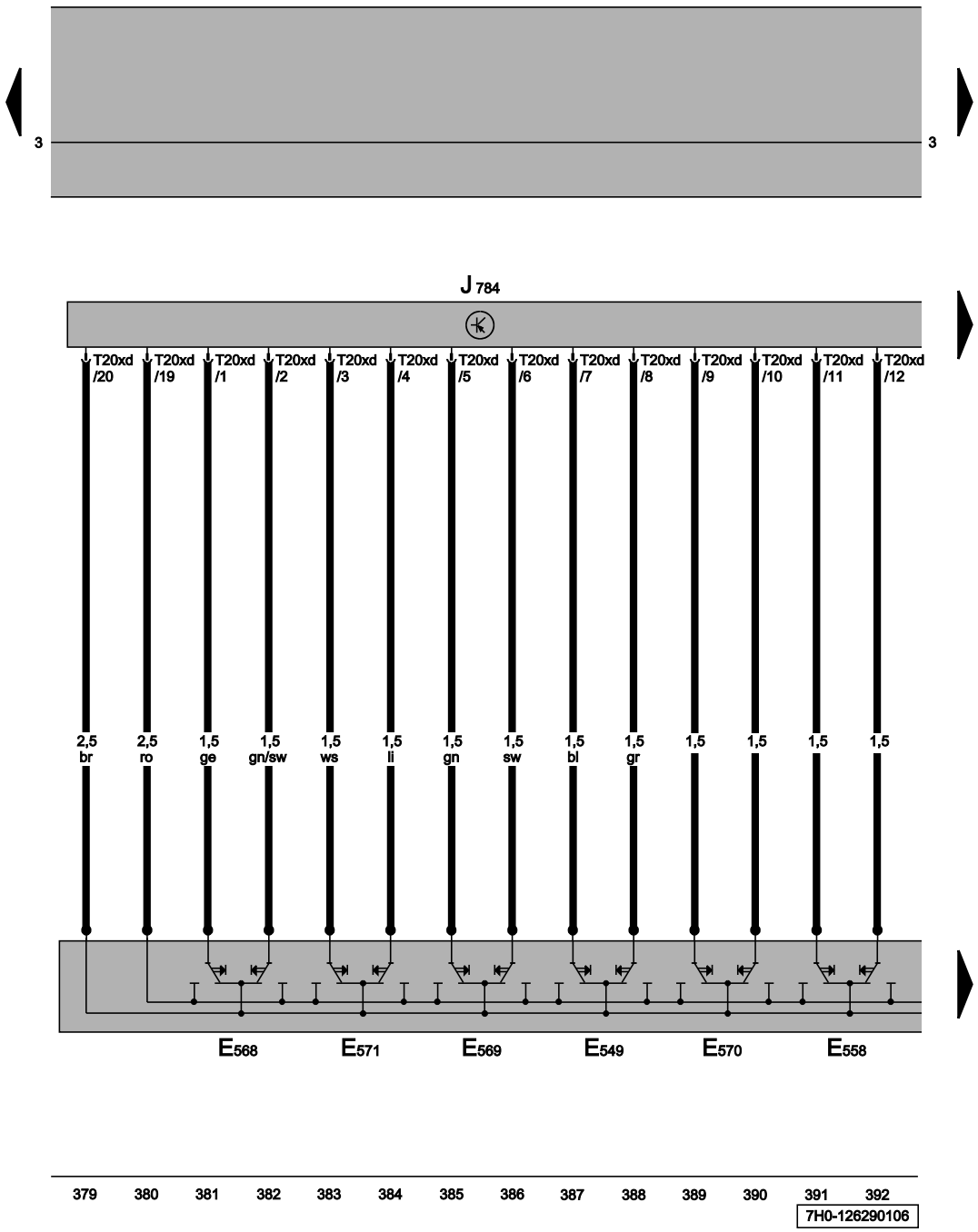
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rs	=	pink



Control unit for left seat, row 3, control unit for heated left seat, row 3

G534	Temperature sensor for left seat, row 3
J782	Control unit for left seat, row 3
J783	Control unit for heated left seat, row 3
N406	Valve block for lumbar support adjustment for left seat, row 3
T2xj	2-pin connector
T4xf	4-pin connector
T6xr	6-pin connector
T6xs	6-pin connector
T20xc	20-pin connector
V369	Lumbar support adjustment pump for left seat, row 3
Z72	Heated backrest for left seat, row 3
Z73	Heated seat cushion for left seat, row 3
49	Earth point, near rear left seat
136	Earth point, near rear left seat
165	Earth connection 1, in rear seat adjustment wiring harness
259	Earth connection 2, in optional equipment wiring harness

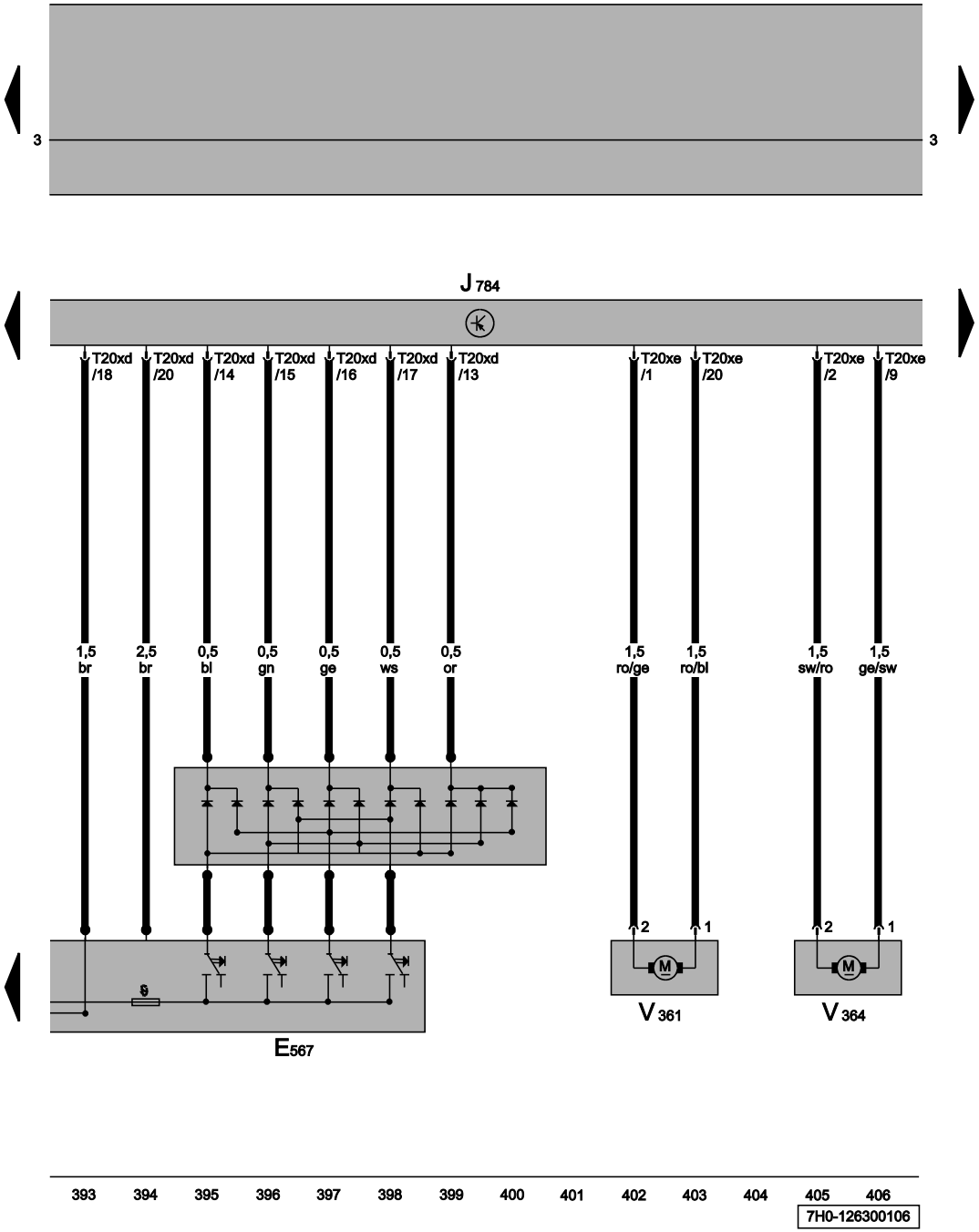
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ge	=	yellow
or	=	orange
rs	=	pink



Control unit for right seat, row 3

E549	Backrest adjustment button for right seat, row 3
E558	Depth adjustment button for right seat, row 3
E568	Height adjustment button for front of right seat, row 3
E569	Height adjustment button for rear of right seat, row 3
E570	Head restraint adjustment button for right seat, row 3
E571	Longitudinal adjustment button for right seat, row 3
J784	Control unit for right seat, row 3
T20xd	20-pin connector

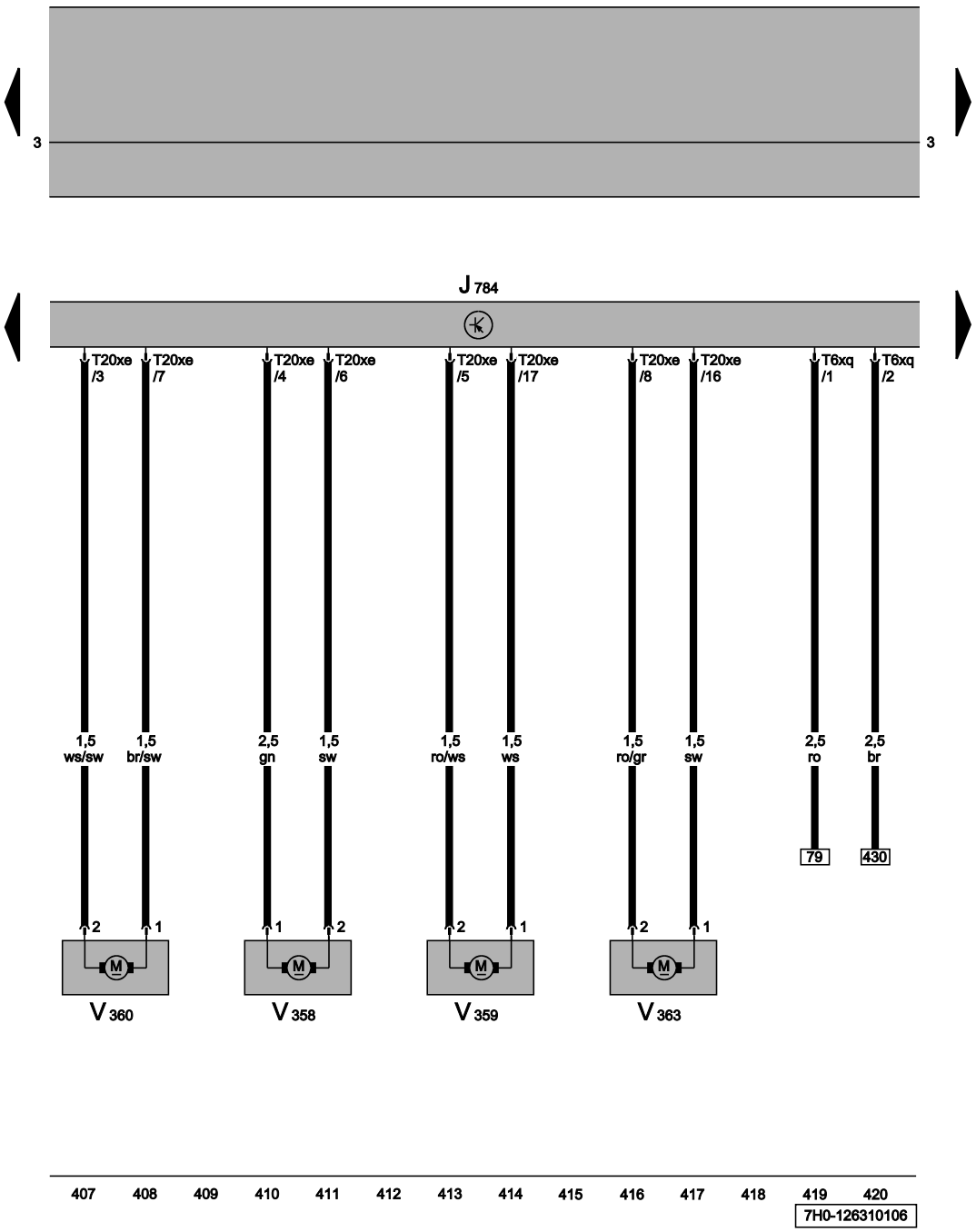
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or	=	orange
rs	=	pink



Height adjustment button for lumbar support of right seat, row 3, control unit for right seat, row 3

E567	Height adjustment button for lumbar support of right seat, row 3
J784	Control unit for right seat, row 3
T20xd	20-pin connector
T20xe	20-pin connector
V361	Backrest adjustment motor for right seat, row 3
V364	height adjustment motor 2 for right seat, row 3

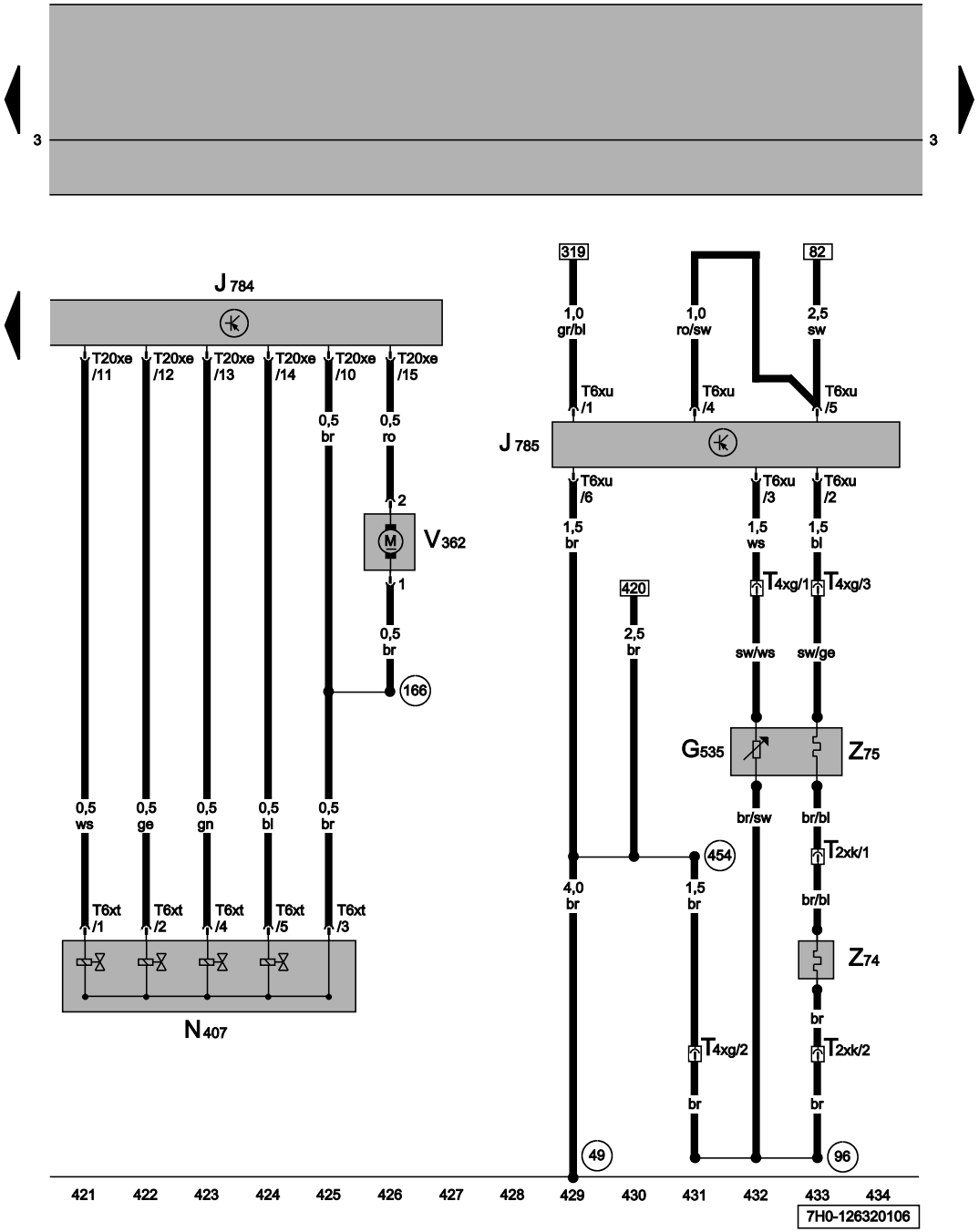
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or	=	orange
rs	=	pink



Control unit for right seat, row 3

J784	Control unit for right seat, row 3
T6xq	6-pin connector
T20xe	20-pin connector
V358	height adjustment motor 1 for right seat, row 3
V359	Head restraint adjustment motor for right seat, row 3
V360	Longitudinal adjustment motor for right seat, row 3
V363	Depth adjustment motor for right seat, row 3

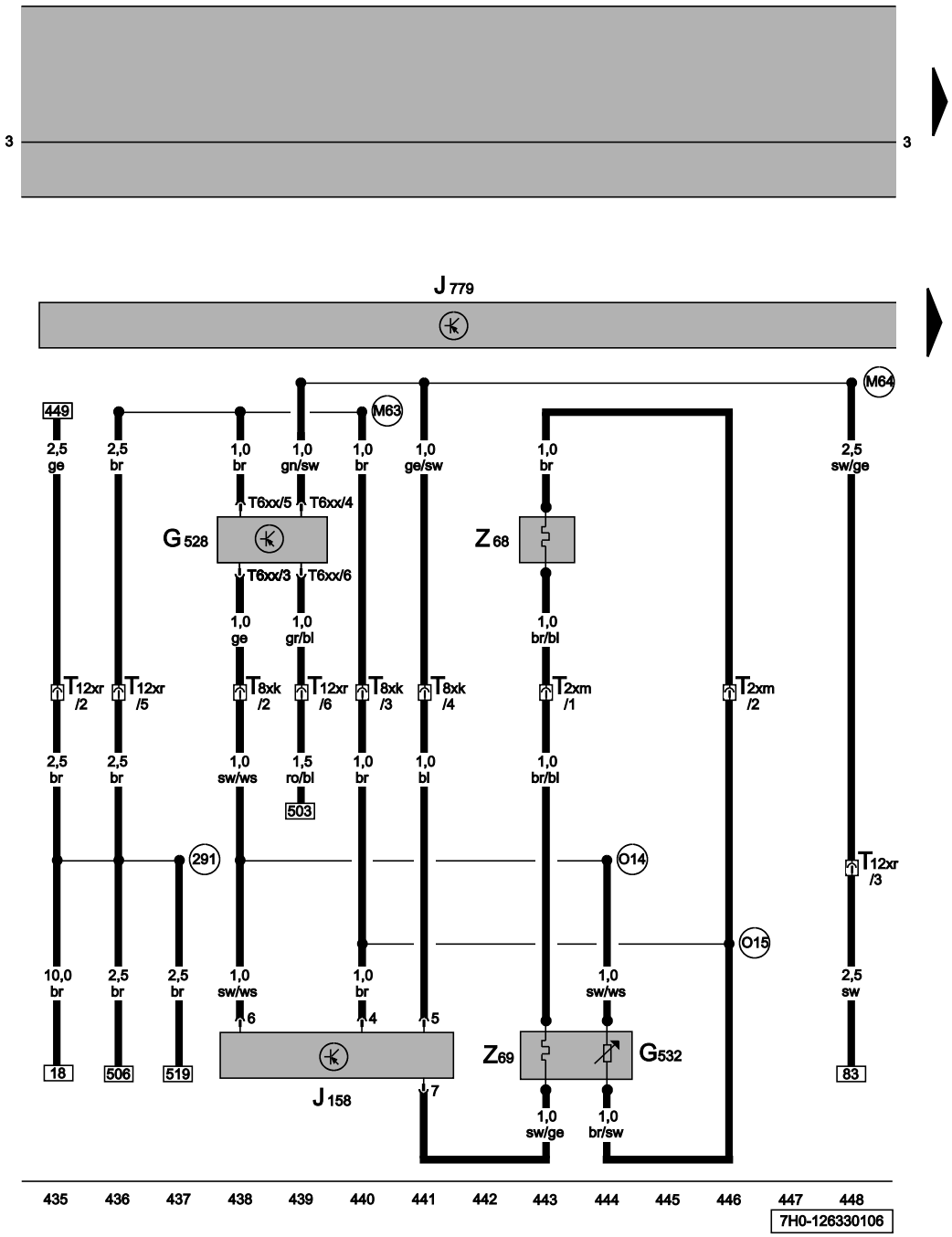
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or	=	orange
rs	=	pink



Control unit for right seat, row 3, seat heating

G535	Temperature sensor for right seat, row 3
J784	Control unit for right seat, row 3
J785	Control unit for heated right seat, row 3
N407	Valve block for lumbar support adjustment for right seat, row 3
T2xk	2-pin connector
T4xg	4-pin connector
T6xt	6-pin connector
T6xu	6-pin connector
T20xe	20-pin connector
V362	Lumbar support adjustment pump for right seat, row 3
Z74	Heated backrest for right seat, row 3
Z75	Heated seat cushion for right seat, row 3
49	Earth point, near rear left seat
96	Earth point, near rear left seat
166	Earth connection 2, in rear seat adjustment wiring harness
454	Earth connection 4, in optional equipment wiring harness

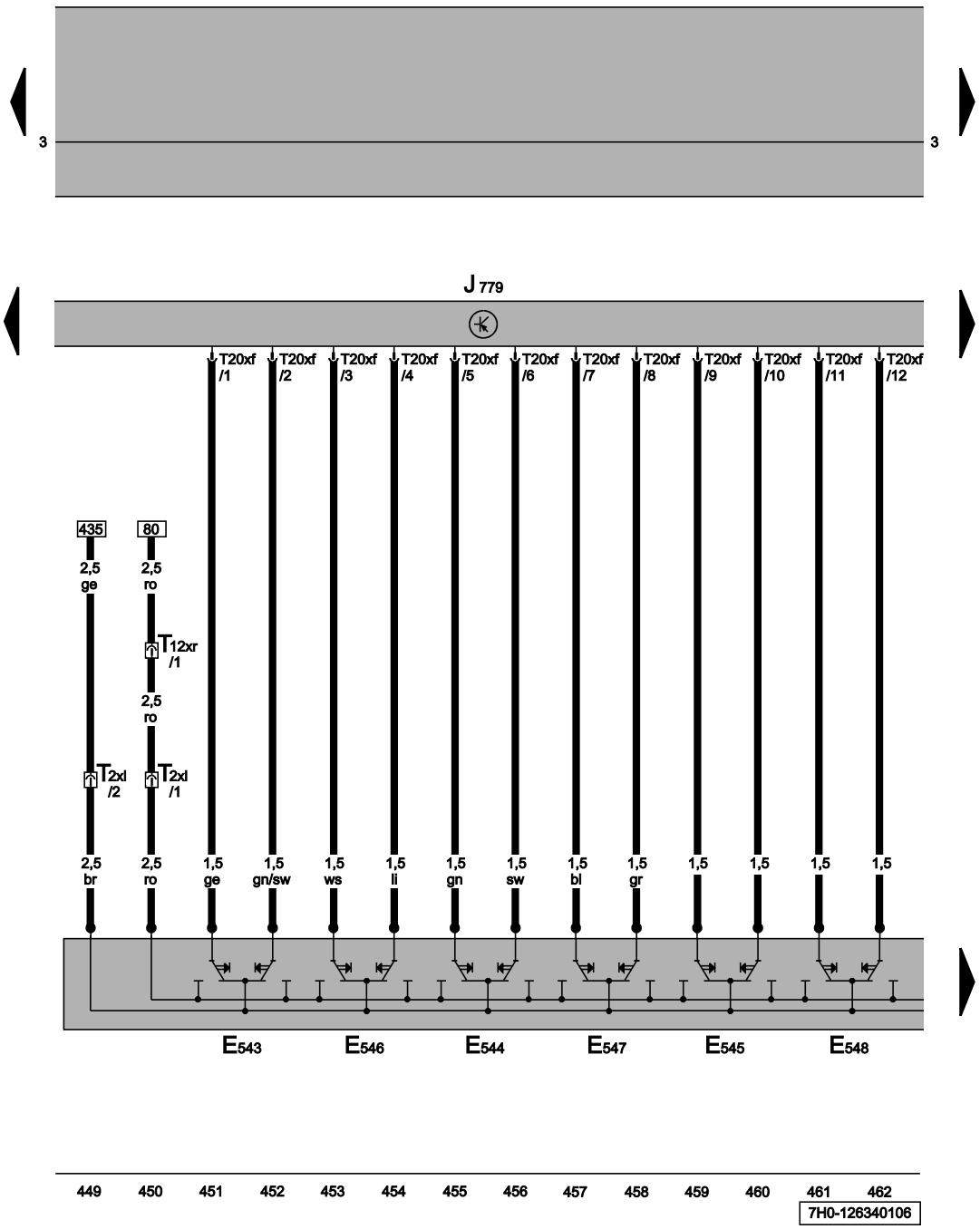
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or	=	orange
rs	=	pink



Control unit for left seat, row 2, seat heating

G528	Potentiometer for heated left seat, row 2
G532	Temperature sensor for left seat, row 2
J158	Control unit for heated left seat, row 2
J779	Control unit for left seat, row 2
T2xm	2-pin connector
T6xx	6-pin connector
T8xk	8-pin connector
T12xr	12-pin connector
Z68	Heated backrest for left seat, row 2
Z69	Heated seat cushion for left seat, row 2
291	Earth connection 2, in second battery wiring harness
M63	Connection 3, in rear seat wiring harness
M64	Connection 4, in rear seat wiring harness
O14	Connection 3, in seat heating wiring harness
O15	Connection 4, in seat heating wiring harness

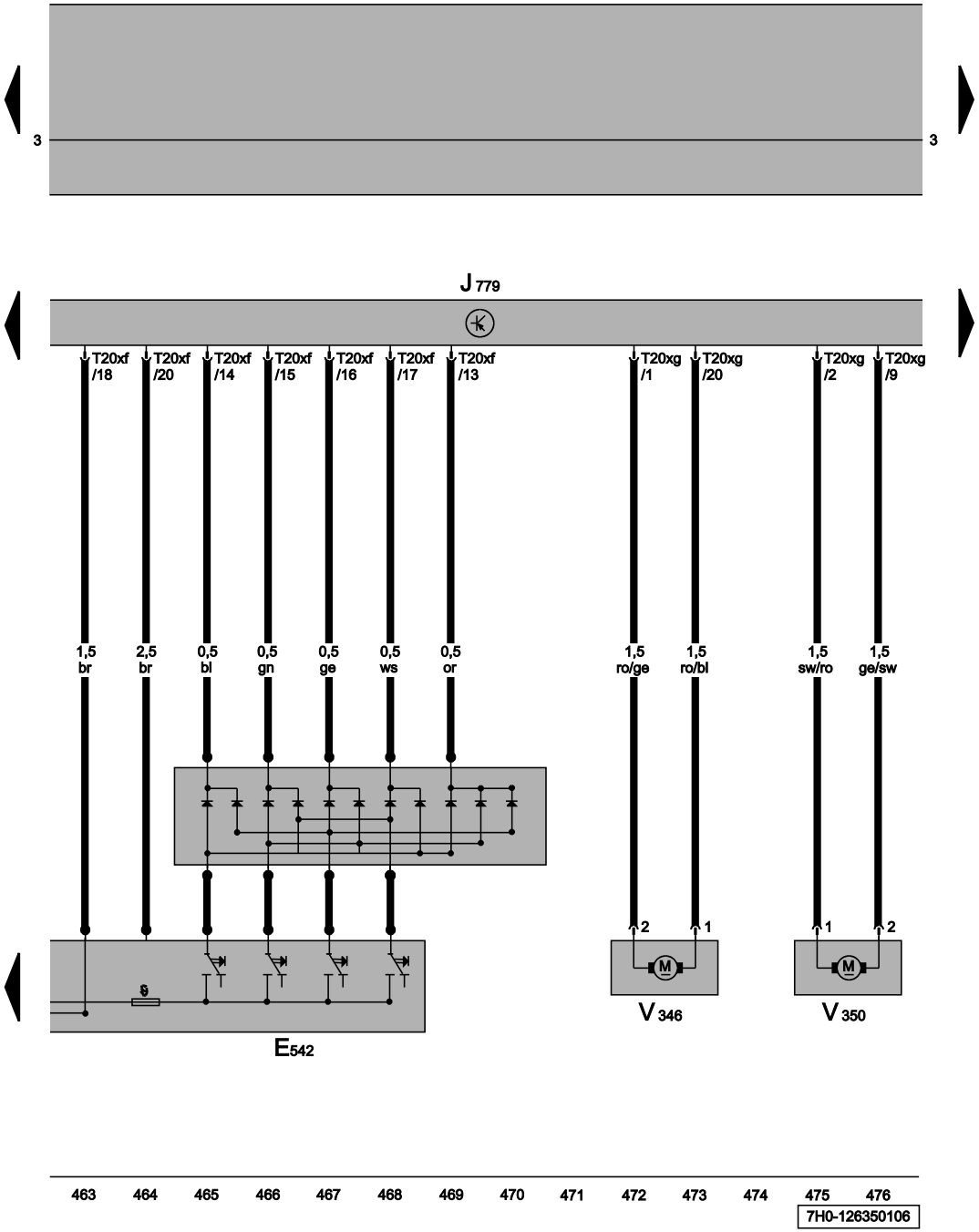
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ge	=	yellow
or	=	orange
rs	=	pink



Control unit for left seat, row 2

E543	Height adjustment button for front of left seat, row 2
E544	Height adjustment button for rear of left seat, row 2
E545	Head restraint adjustment button for left seat, row 2
E546	Longitudinal adjustment button for left seat, row 2
E547	Backrest adjustment button for left seat, row 2
E548	Depth adjustment button for left seat, row 2
J779	Control unit for left seat, row 2
T2xl	2-pin connector
T12xr	12-pin connector
T20xf	20-pin connector

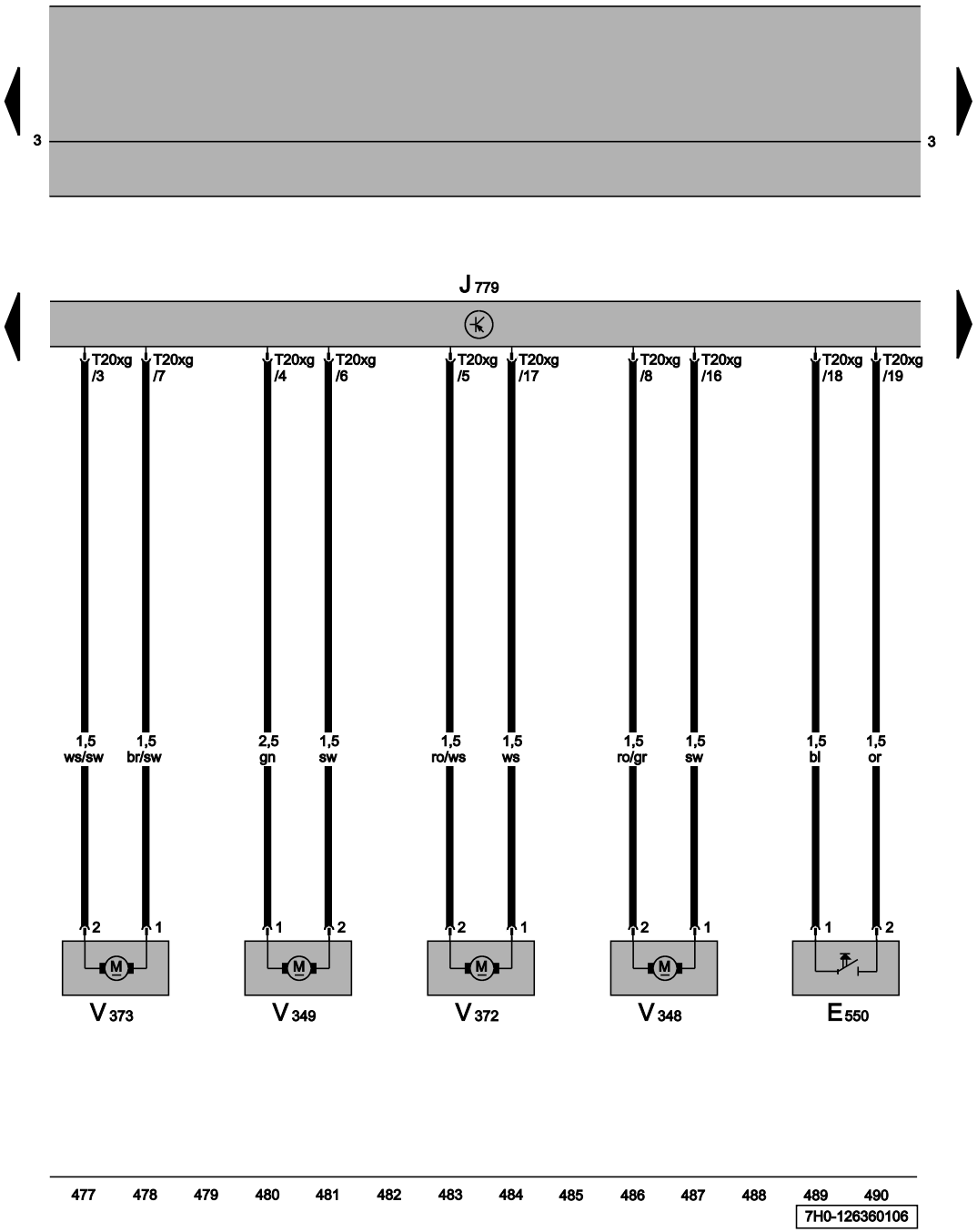
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit for left seat, row 2

E542	Height adjustment button for lumbar support of left seat, row 2
J779	Control unit for left seat, row 2
T20xf	20-pin connector
T20xg	20-pin connector
V346	Backrest adjustment motor for left seat, row 2
V350	Height adjustment motor 2 for left seat, row 2

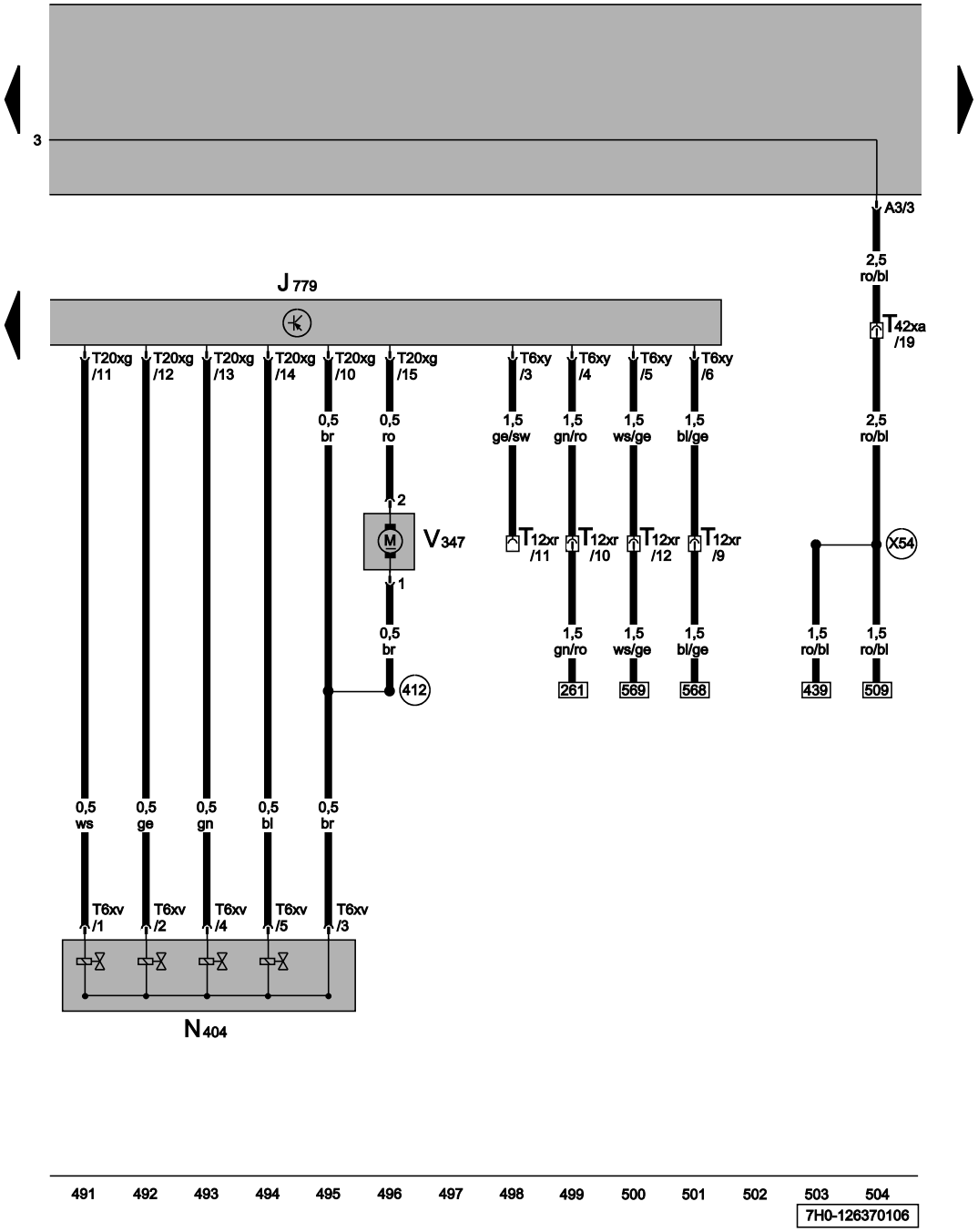
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ge	=	yellow
or	=	orange
rs	=	pink



Control unit for left seat, row 2

E550	End switch for adjustable left seat, row 2
J779	Control unit for left seat, row 2
T20xg	20-pin connector
V348	Depth adjustment motor for left seat, row 2
V349	Height adjustment motor 1 for left seat, row 2
V372	Head restraint adjustment motor for left seat, row 2
V373	Longitudinal adjustment motor for left seat, row 2

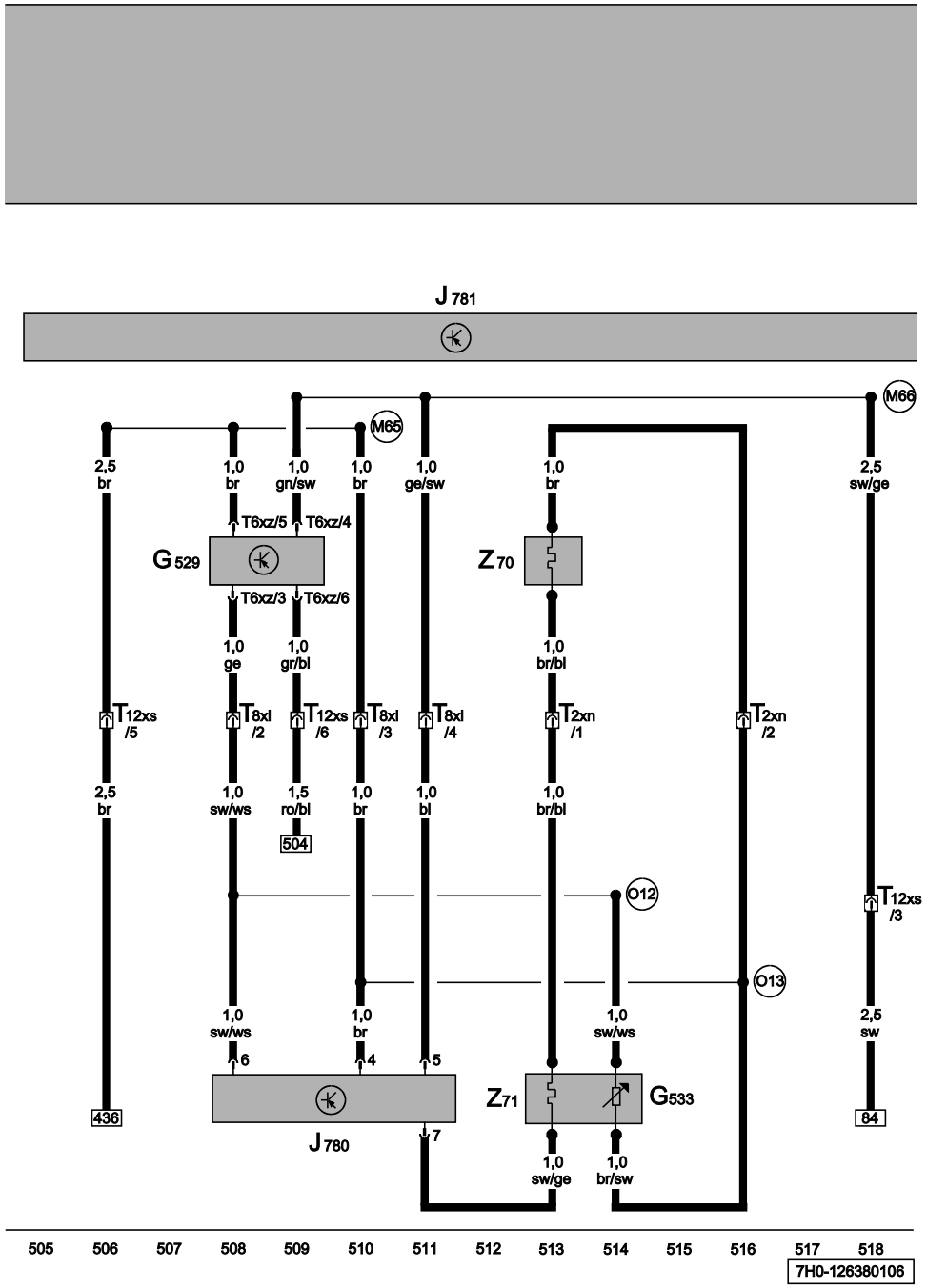
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ge	=	yellow
or	=	orange
rs	=	pink



Control unit for left seat, row 2, valve block for lumbar support adjustment for left seat, row 2

J779	Control unit for left seat, row 2
N404	Valve block for lumbar support adjustment for left seat, row 2
T6xv	6-pin connector
T6xy	6-pin connector
T12xr	12-pin connector
T20xg	20-pin connector
T42xa	42-pin connector
V347	Lumbar support adjustment pump for left seat, row 2
412	Earth connection 3, in seat adjuster wiring harness
X54	Positive connection (58), in optional equipment wiring harness

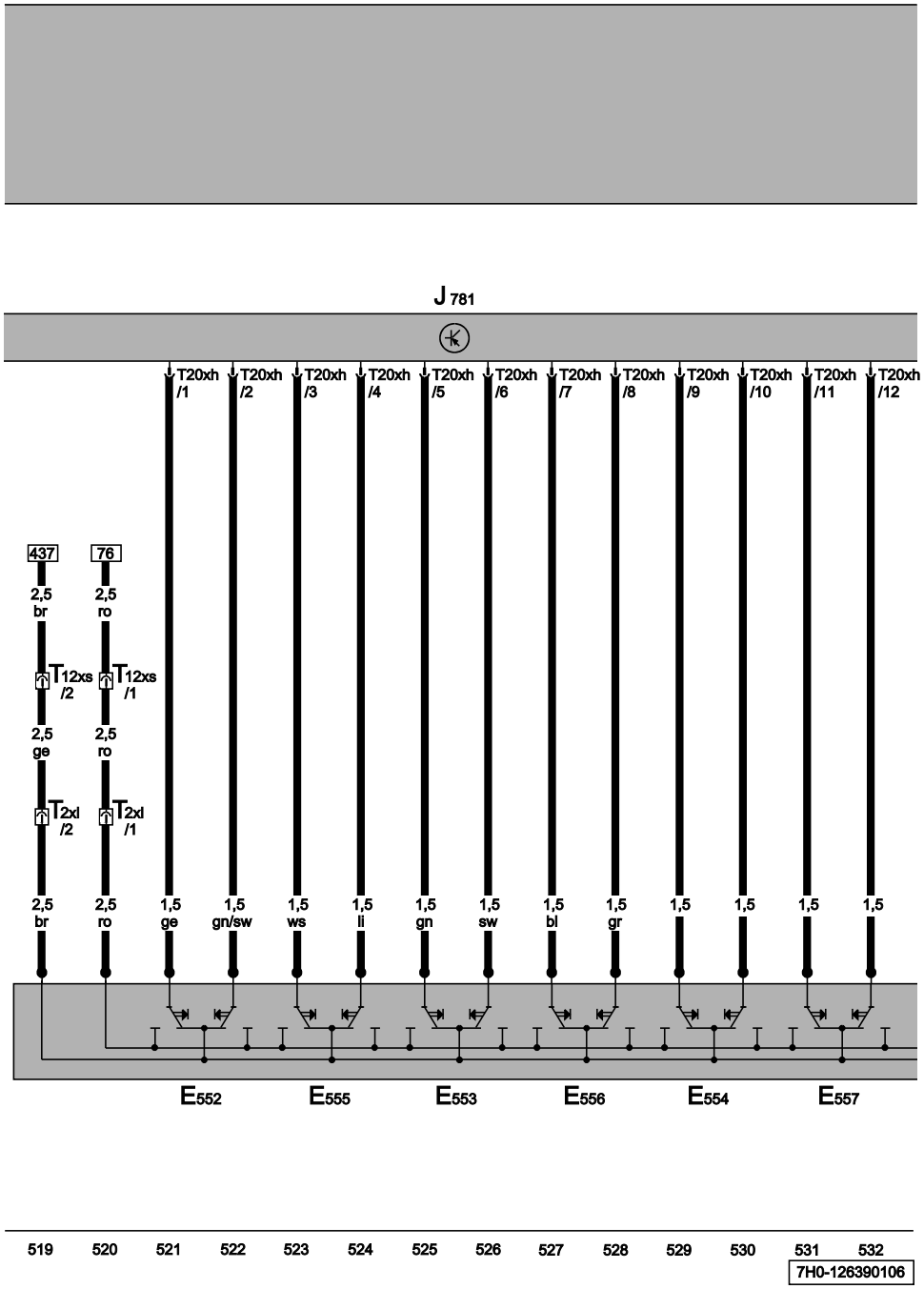
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bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Control unit for right seat, row 2, heated seat cushion for right seat, row 2

G529	Potentiometer for heated right seat, row 2
G533	Temperature sensor for right seat, row 2
J780	Control unit for heated right seat, row 2
J781	Control unit for right seat, row 2
T2xn	2-pin connector
T6xz	6-pin connector
T8xl	8-pin connector
T12xs	12-pin connector
Z70	Heated backrest for right seat, row 2
Z71	Heated seat cushion for right seat, row 2
M65	Connection 5, in rear seat wiring harness
M66	Connection 6, in rear seat wiring harness
O12	Connection 1, in seat heating wiring harness
O13	Connection 2, in seat heating wiring harness

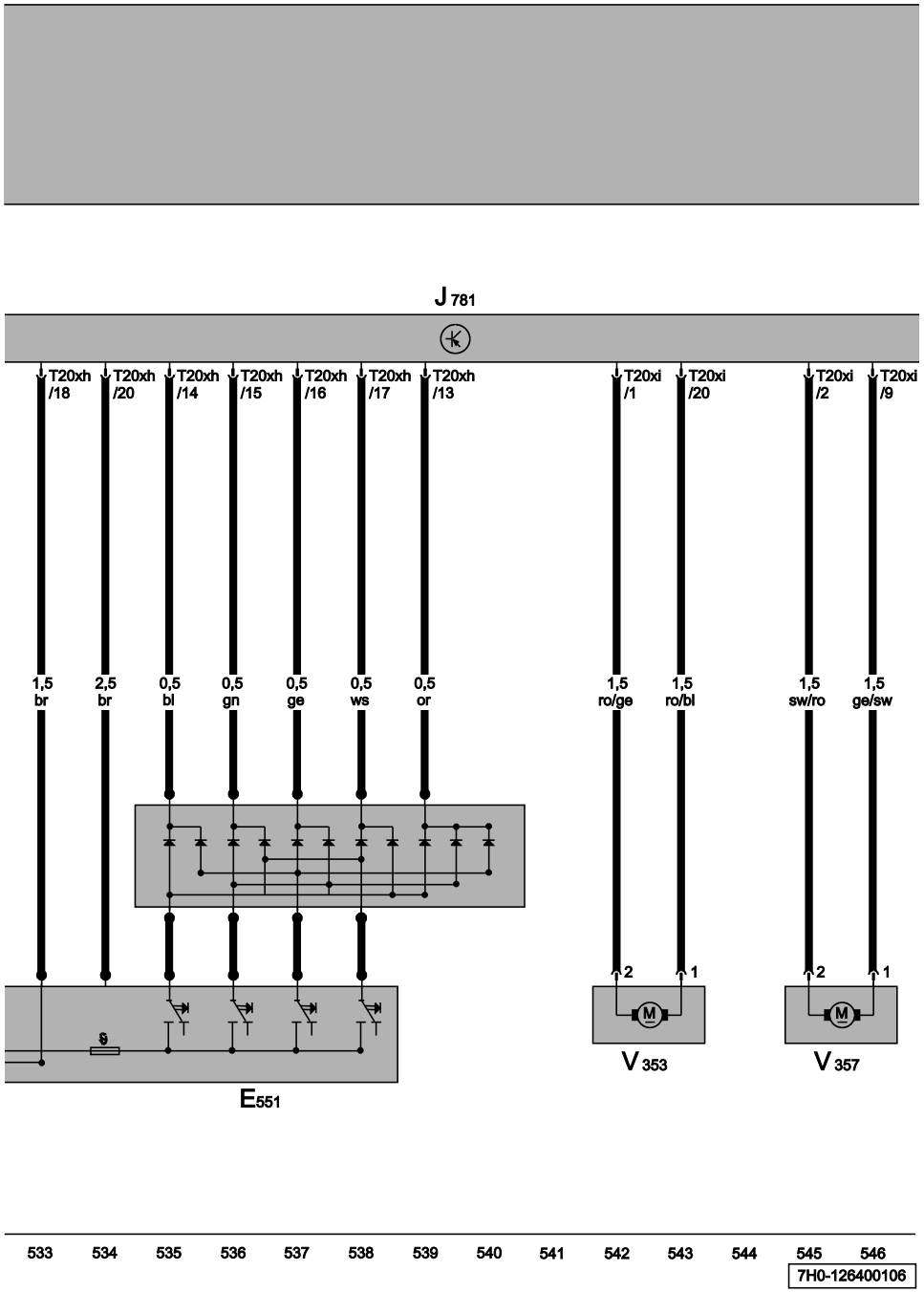
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Seat longitudinal adjustment button, control unit for right seat, row 2

E552	Height adjustment button for front of right seat, row 2
E553	Height adjustment button for rear of right seat, row 2
E554	Head restraint adjustment button for right seat, row 2
E555	Longitudinal adjustment button for right seat, row 2
E556	Backrest adjustment button for right seat, row 2
E557	Depth adjustment button for right seat, row 2
J781	Control unit for right seat, row 2
T2xl	2-pin connector
T12xs	12-pin connector
T20xh	20-pin connector

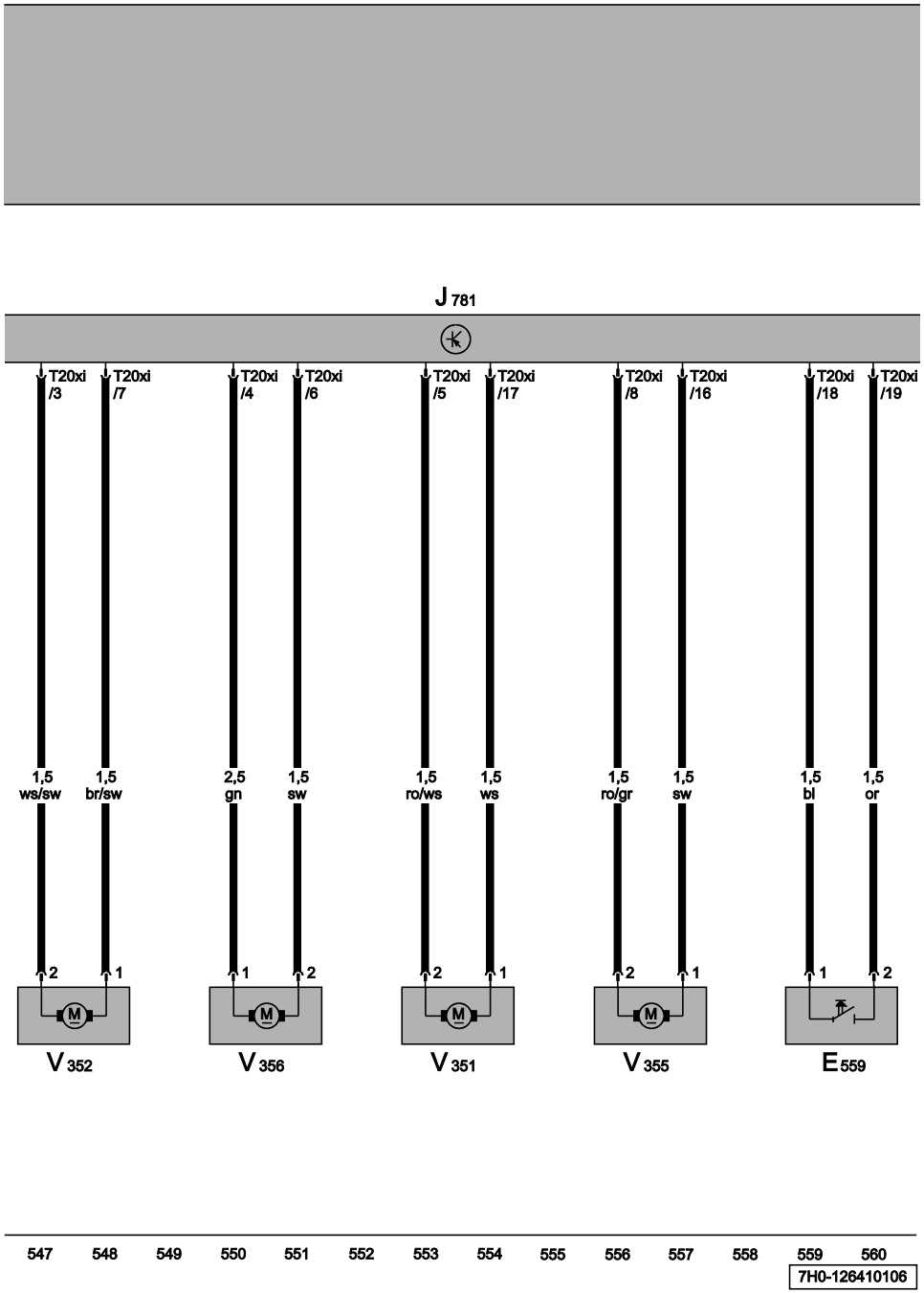
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Height adjustment button for lumbar support of right seat, row 2, control unit for right seat, row 2

E551	Height adjustment button for lumbar support of right seat, row 2
J781	Control unit for right seat, row 2
T20xh	20-pin connector
T20xi	20-pin connector
V353	Backrest adjustment motor for right seat, row 2
V357	height adjustment motor 2 for right seat, row 2

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sw	=	black
ro	=	red
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bl	=	blue
gr	=	grey
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rs	=	pink

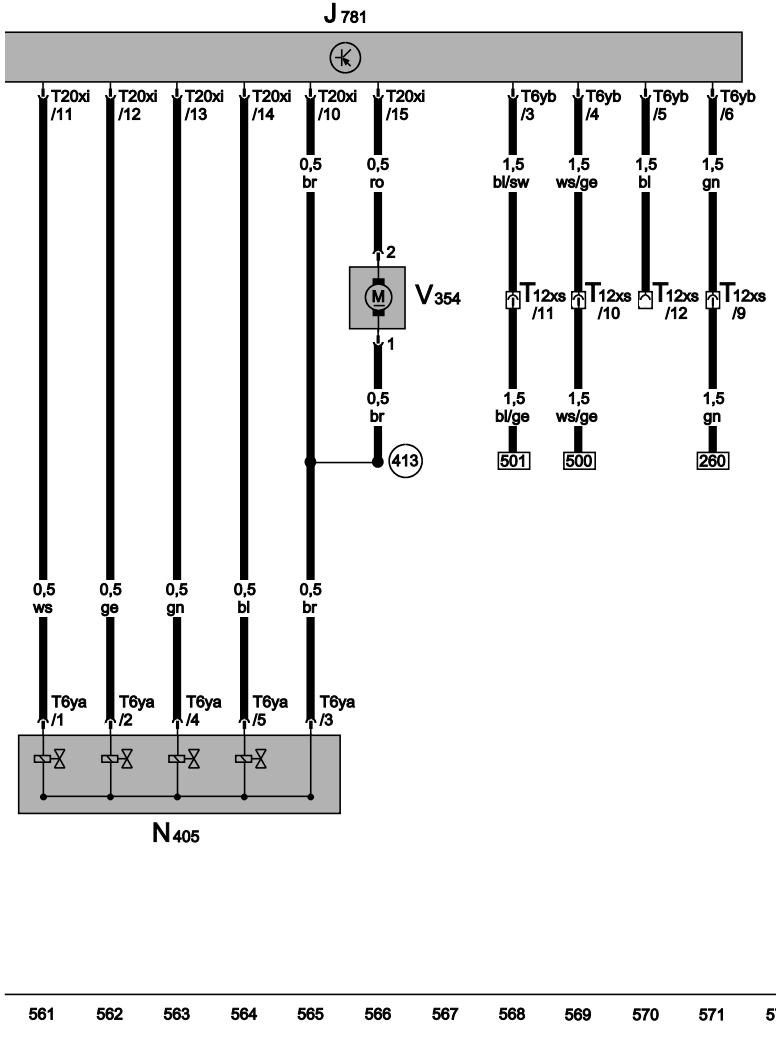


Control unit for right seat, row 2

E559	End switch for adjustable right seat, row 2
J781	Control unit for right seat, row 2
T20xi	20-pin connector
V351	Head restraint adjustment motor for right seat, row 2
V352	Longitudinal adjustment motor for right seat, row 2
V355	Depth adjustment motor for right seat, row 2
V356	height adjustment motor 1 for right seat, row 2

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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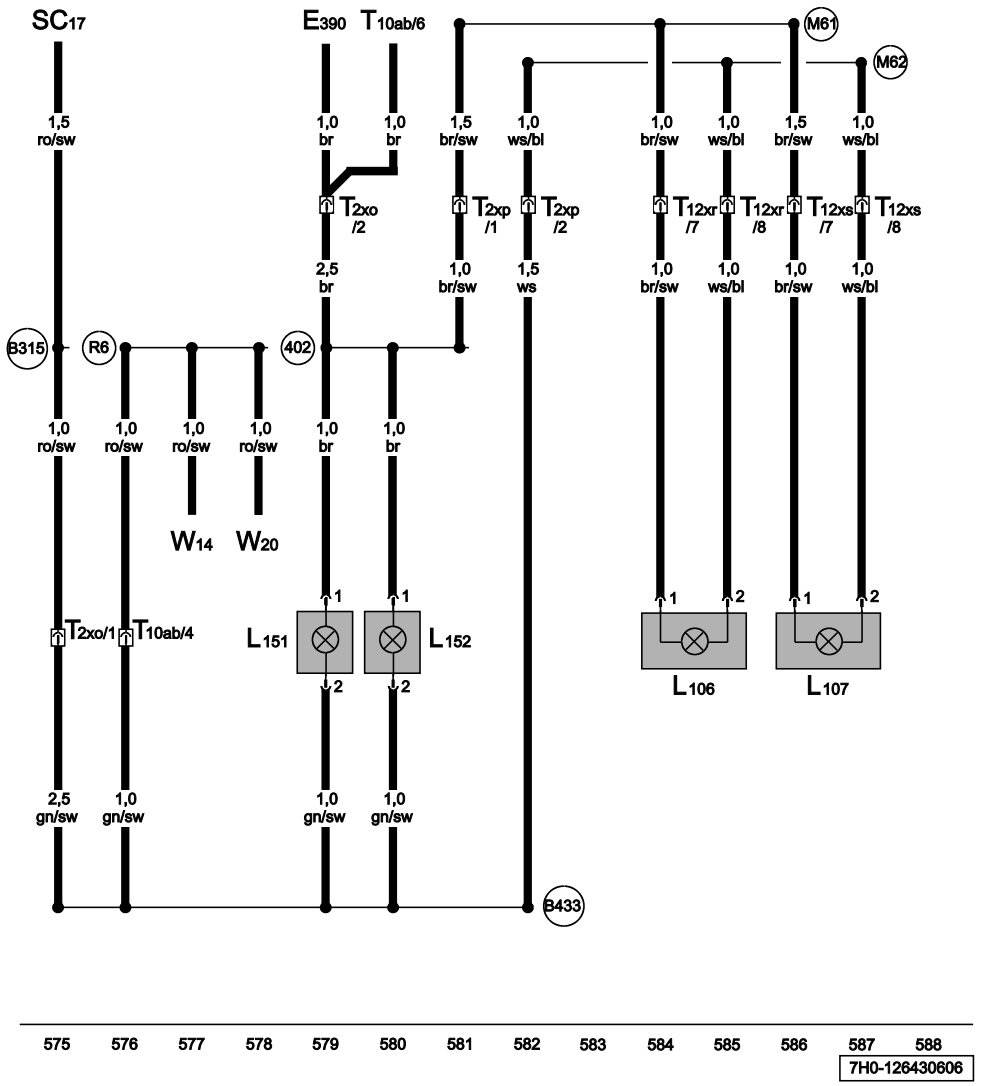




Control unit for right seat, row 2, valve block for lumbar support adjustment for right seat, row 2

J781	Control unit for right seat, row 2
N405	Valve block for lumbar support adjustment for right seat, row 2
T6ya	6-pin connector
T6yb	6-pin connector
T12xs	12-pin connector
T20xi	20-pin connector
V354	Lumbar support adjustment pump for right seat, row 2
413	Earth connection 4, in seat adjuster wiring harness

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br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



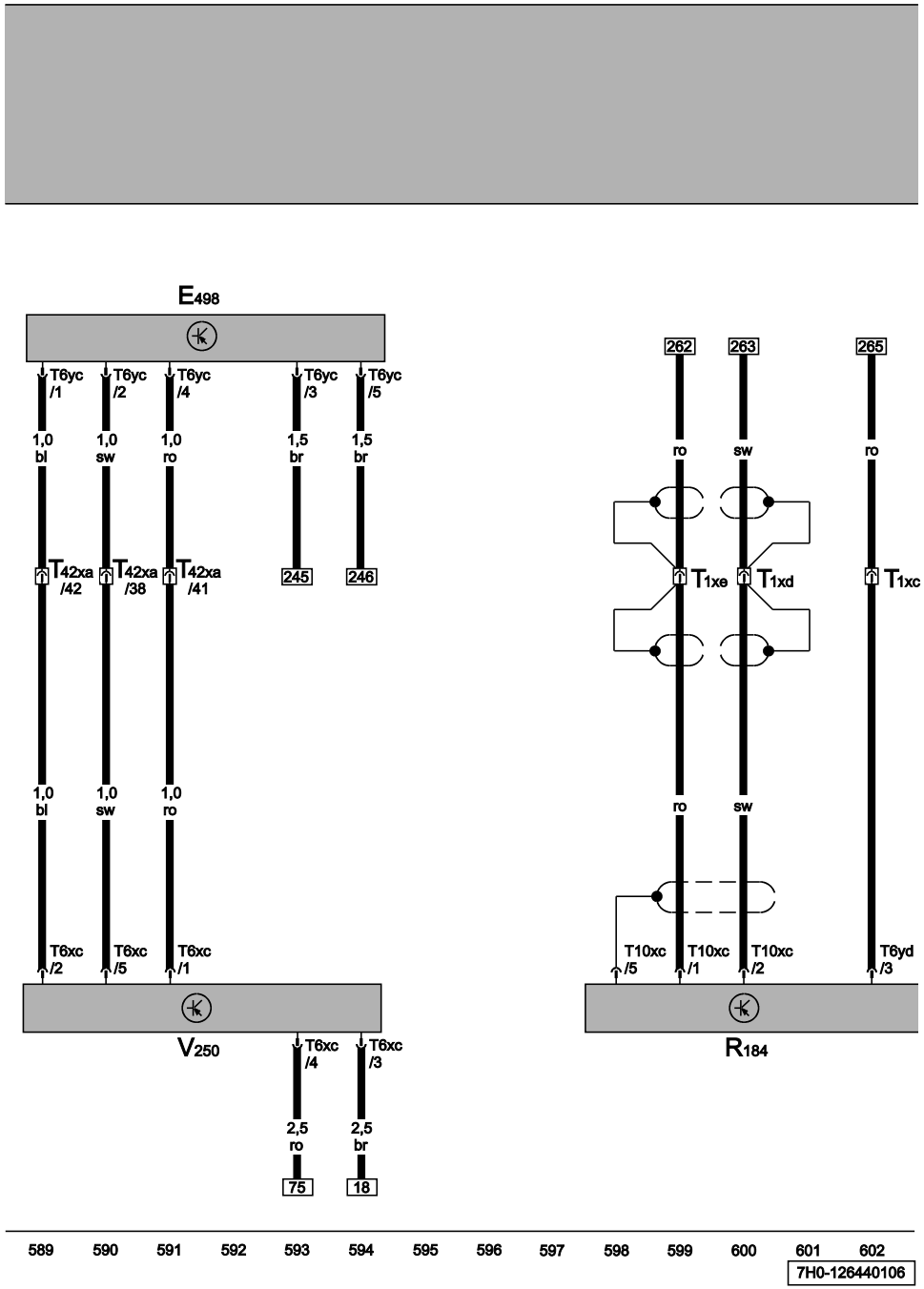
Footwell light

E390	Interior lighting central switch button
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
SC17	Fuse 17 on fuse holder C
T2xo	2-pin connector
T2xp	2-pin connector
T10ab	10-pin connector, white, coupling station on left of A-pillar
T12xr	12-pin connector
T12xs	12-pin connector
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
402	Earth connection (interior light), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M61	Connection 1, in rear seat wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness

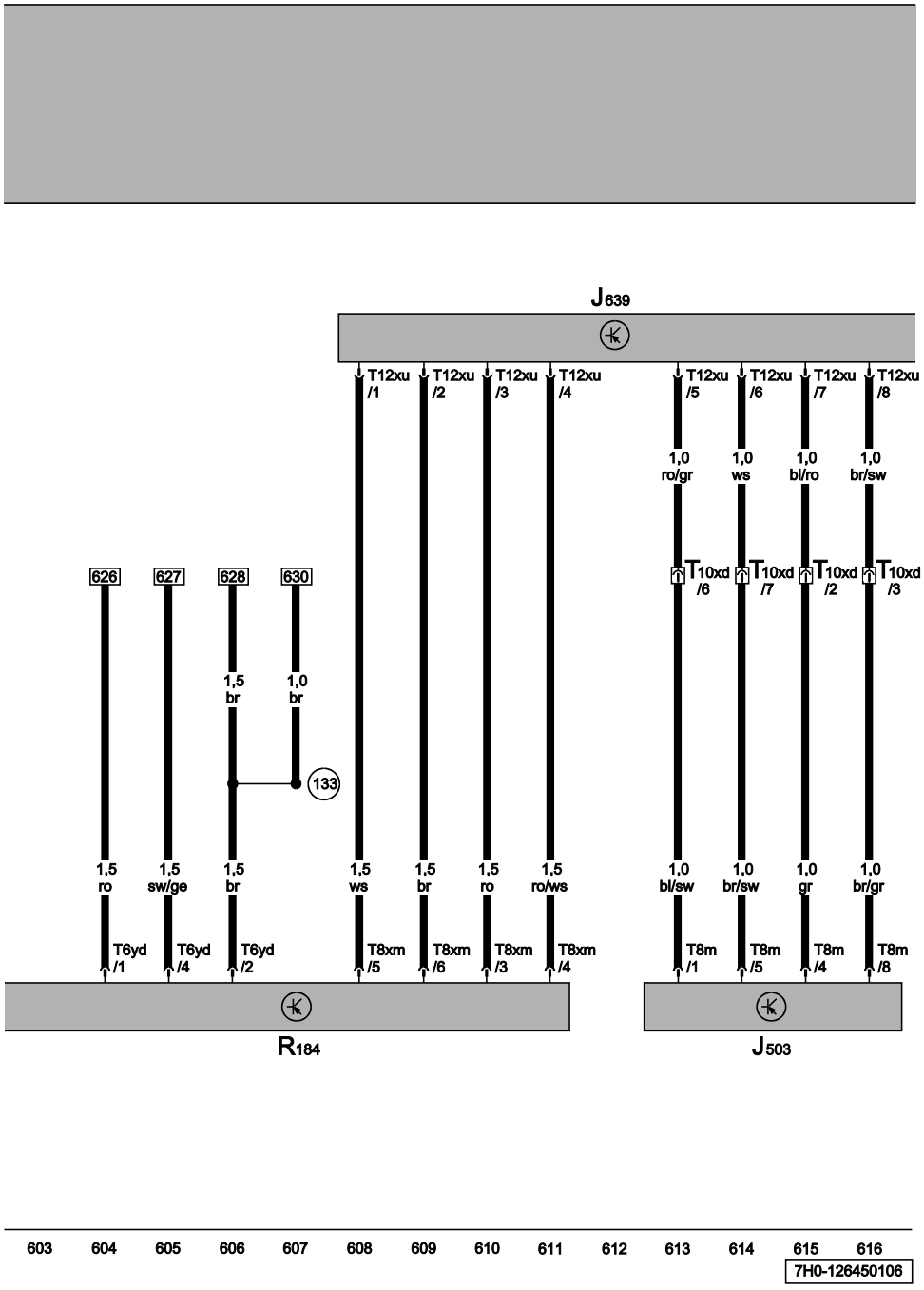
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Electric folding table button, digital sound package amplifier, folding table motor

E498	Electric folding table button
R184	Digital sound package amplifier
T1xc	Single connector
T1xd	Single connector
T1xe	Single connector
T6xc	6-pin connector
T6yc	6-pin connector
T6yd	6-pin connector
T10xc	10-pin connector
T42xa	42-pin connector
V250	Folding table motor



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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



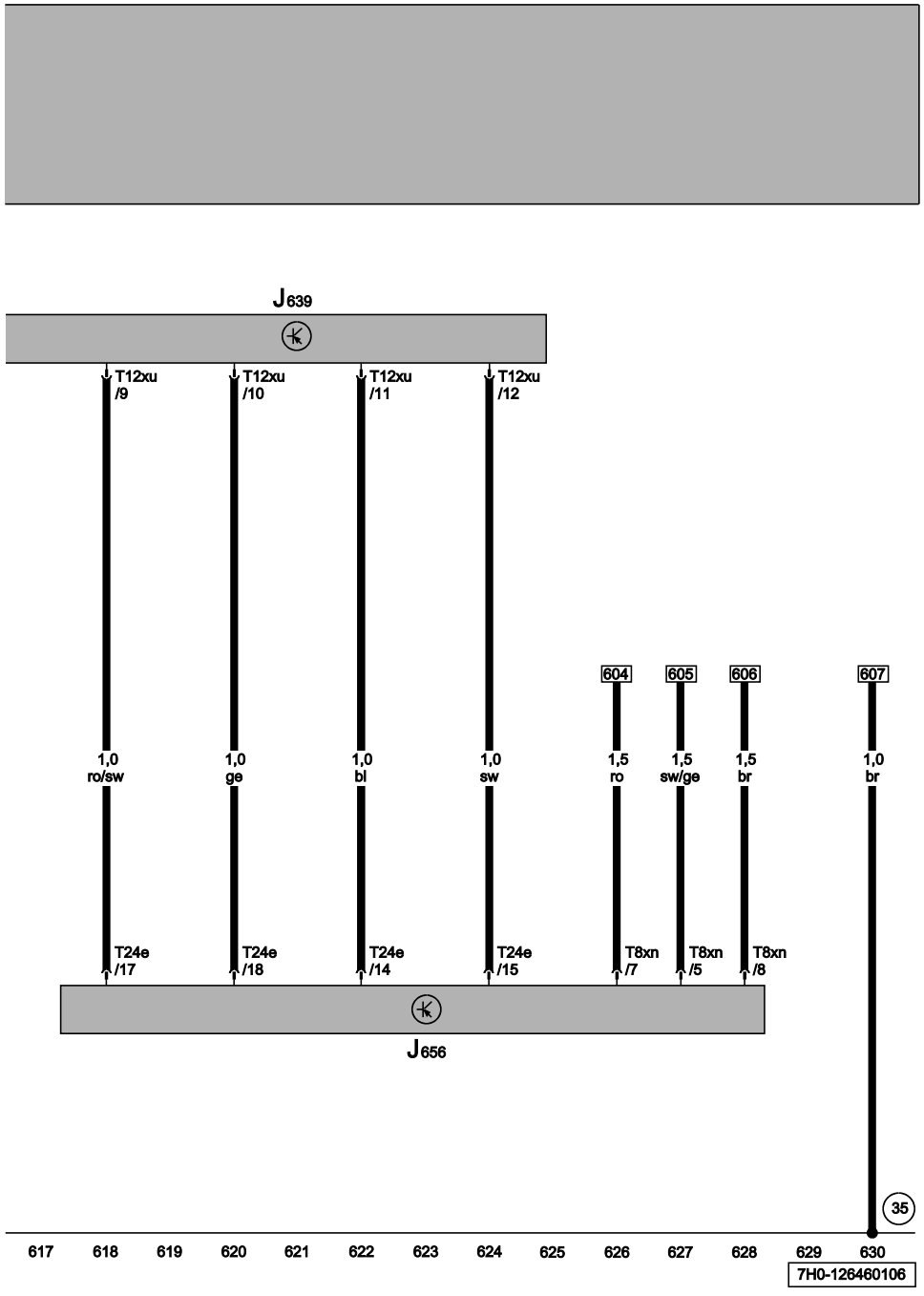
Control unit with display for radio and navigation, loudspeaker switch-off relay, digital sound package amplifier

J503	Control unit with display for radio and navigation system
J639	Loudspeaker switch-off relay
R184	Digital sound package amplifier
T6yd	6-pin connector
T8m	8-pin connector
T8xm	8-pin connector
T10xd	10-pin connector
T12xu	12-pin connector
133	Earth connection, in loudspeaker wiring harness

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Loudspeaker switch-off relay, voice amplification control unit

J639	Loudspeaker switch-off relay
J656	Voice amplification control unit
T8xn	8-pin connector
T12xu	12-pin connector
T24e	24-pin connector
35	Earth point, under front passenger seat



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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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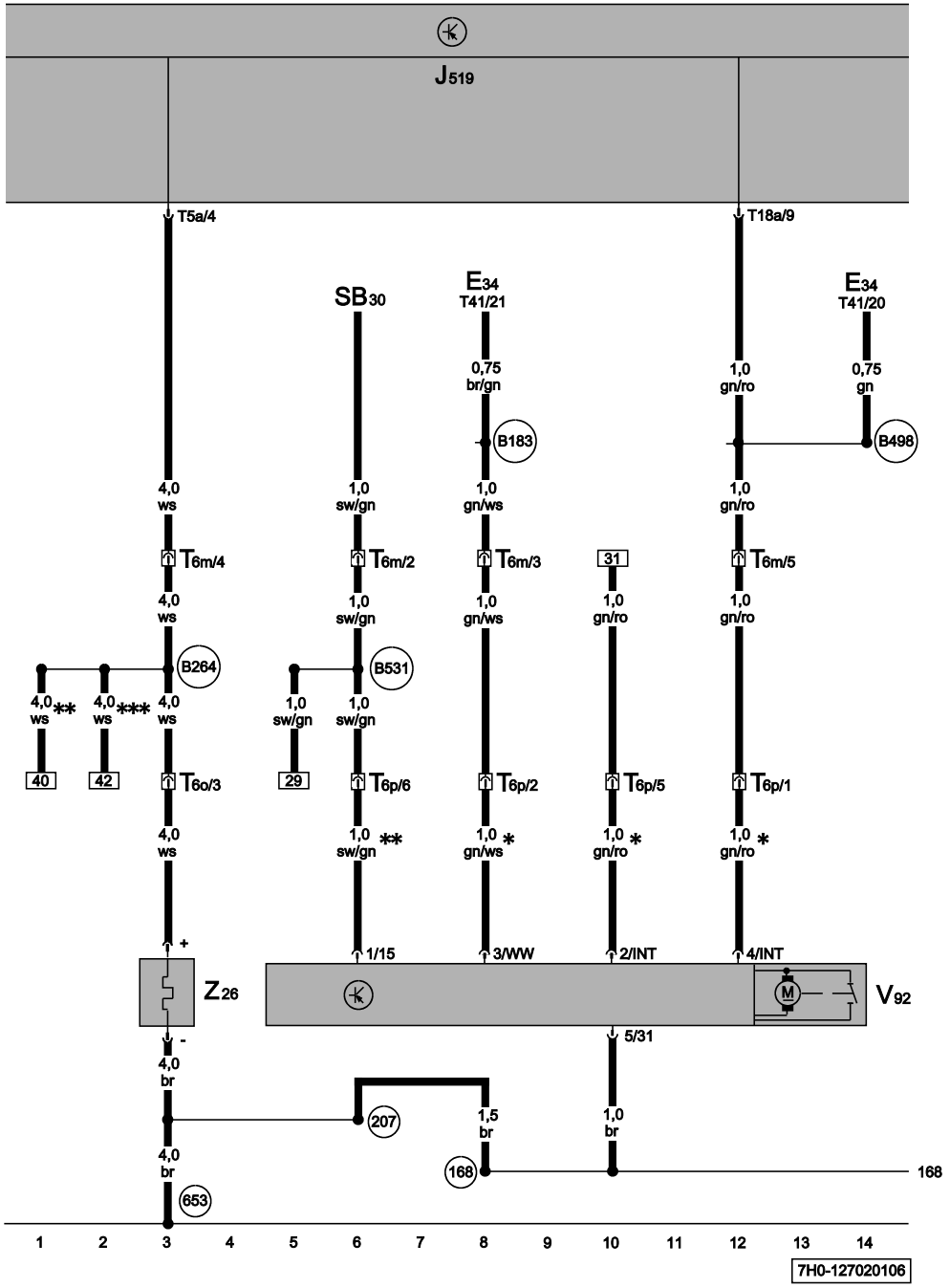
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from June 2003

Notes:
For information concerning
- Position of relays and fuses
- Connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

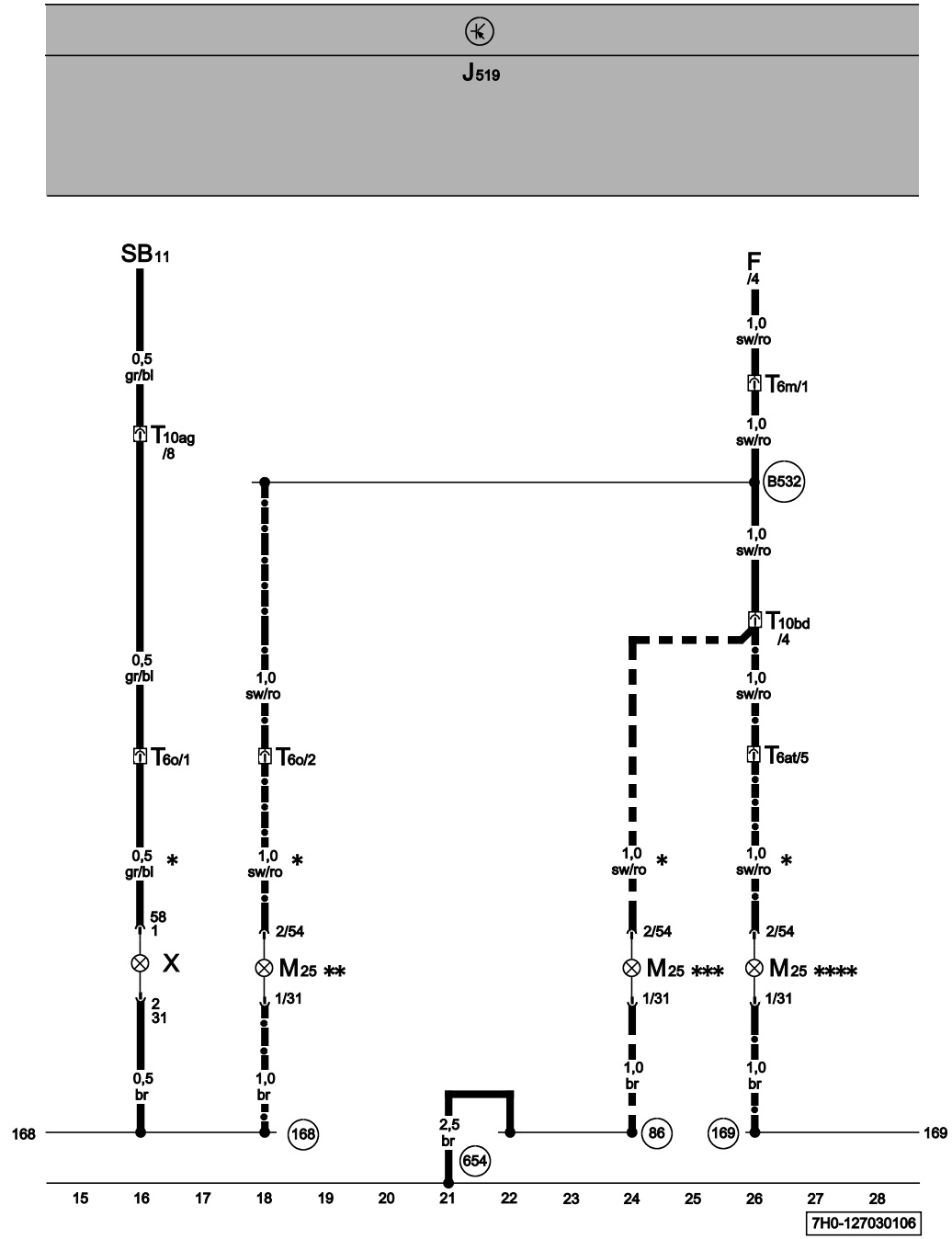
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left wing door window wiper motor, left wing door heated rear window

E34	Rear wiper switch
J519	Onboard supply control unit
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
207	Earth connection, in rear left door wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B264	Connection 1, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B531	Positive connection (75), in roof wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	applicable up to November 2003
***	applicable from December 2003



ws = white

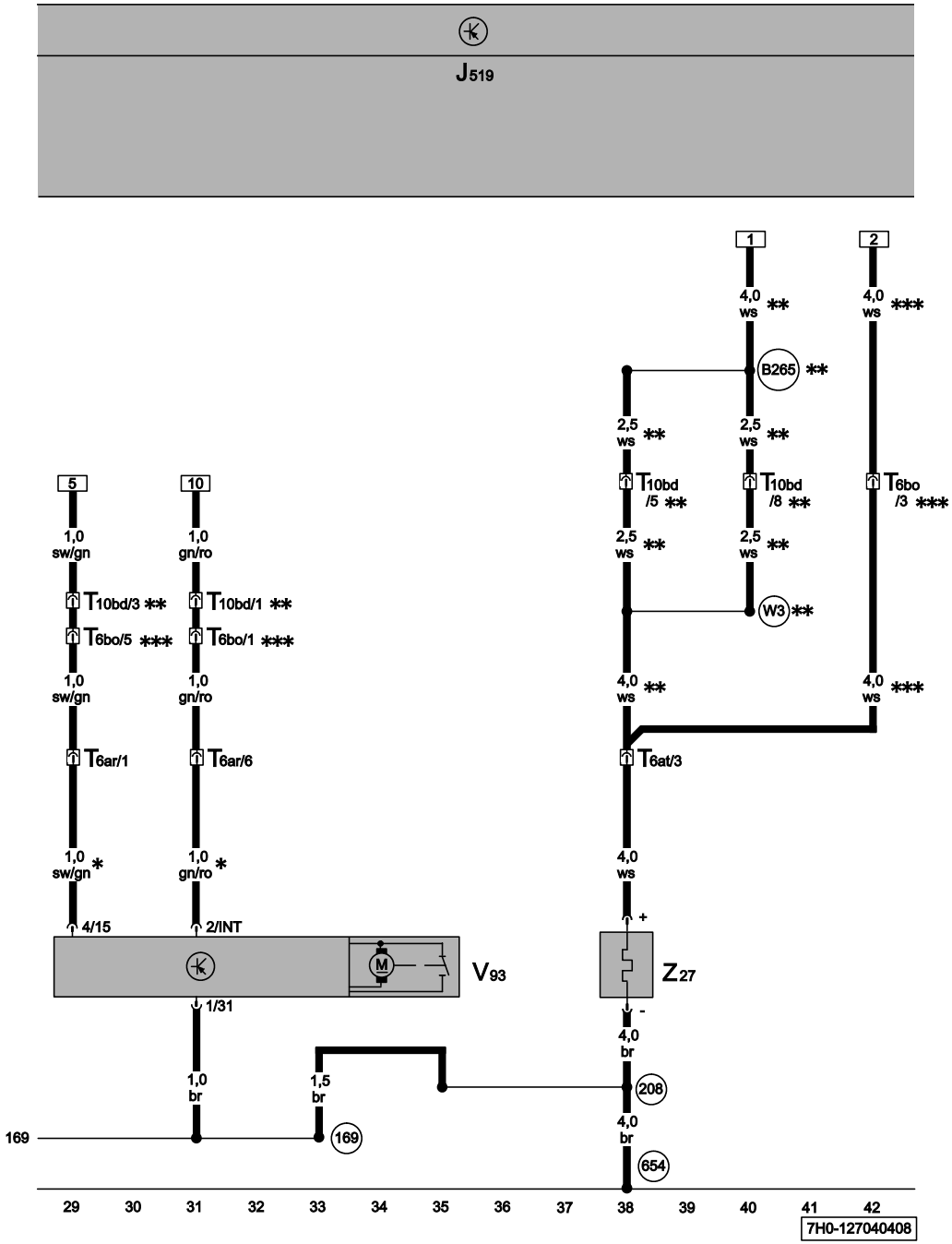
High level brake light bulb, number plate light

F	Brake light switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
X	Number plate light
86	Earth connection 1, in rear wiring harness
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B532	Connection (54), in roof wiring harness

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samba/
tools/
png-
convert/
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scaling="
uniform"/
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sw	=	black	*	Wire colour is white and wire is printed, from February 2004
ro	=	red	**	left wing door
br	=	brown	***	in high roof
gn	=	green	****	right wing door
bl	=	blue		
gr	=	grey		
li	=	purple		
ge	=	yellow		
or	=	orange		
rs	=	pink		



Rear right wing door window wiper motor, right wing door heated rear window

J519	Onboard supply control unit
T6ar	6-pin connector, red, coupling station on right of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
V93	Rear right wing door window wiper motor
Z27	Right wing door heated rear window
169	Earth connection, in rear right wing door wiring harness
208	Earth connection, in rear right door wiring harness
654	Earth point, right D-pillar
B265	Connection 2, in roof wiring harness
W3	Connection, in rear wiring harness
*	Wire colour is white and wire is printed, from February 2004
**	applicable up to November 2003
***	applicable from December 2003

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

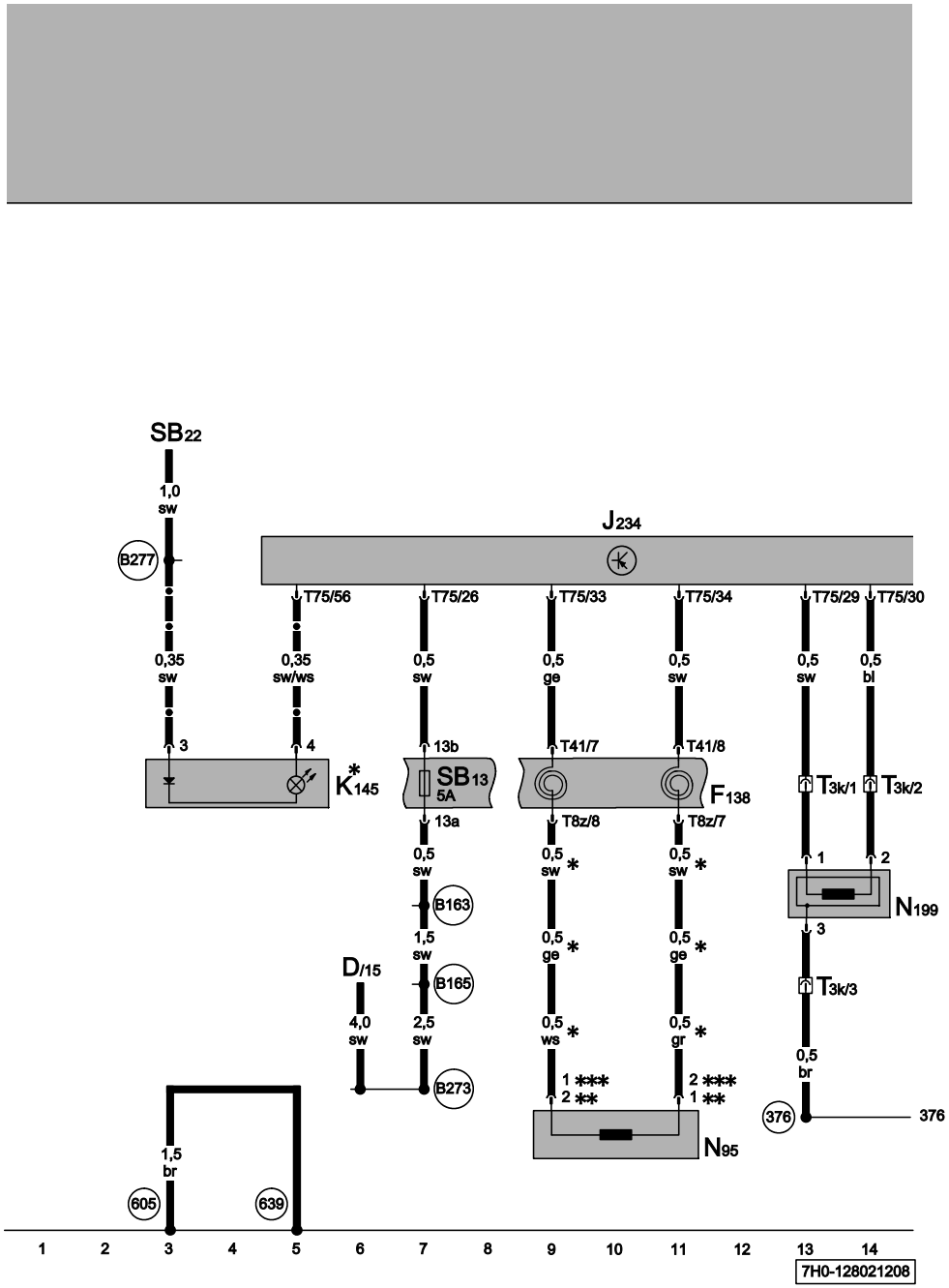
Airbag systems

⇒ **Driver and front passenger airbag**
⇒ **Belt tensioner**
⇒ **Side airbag**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

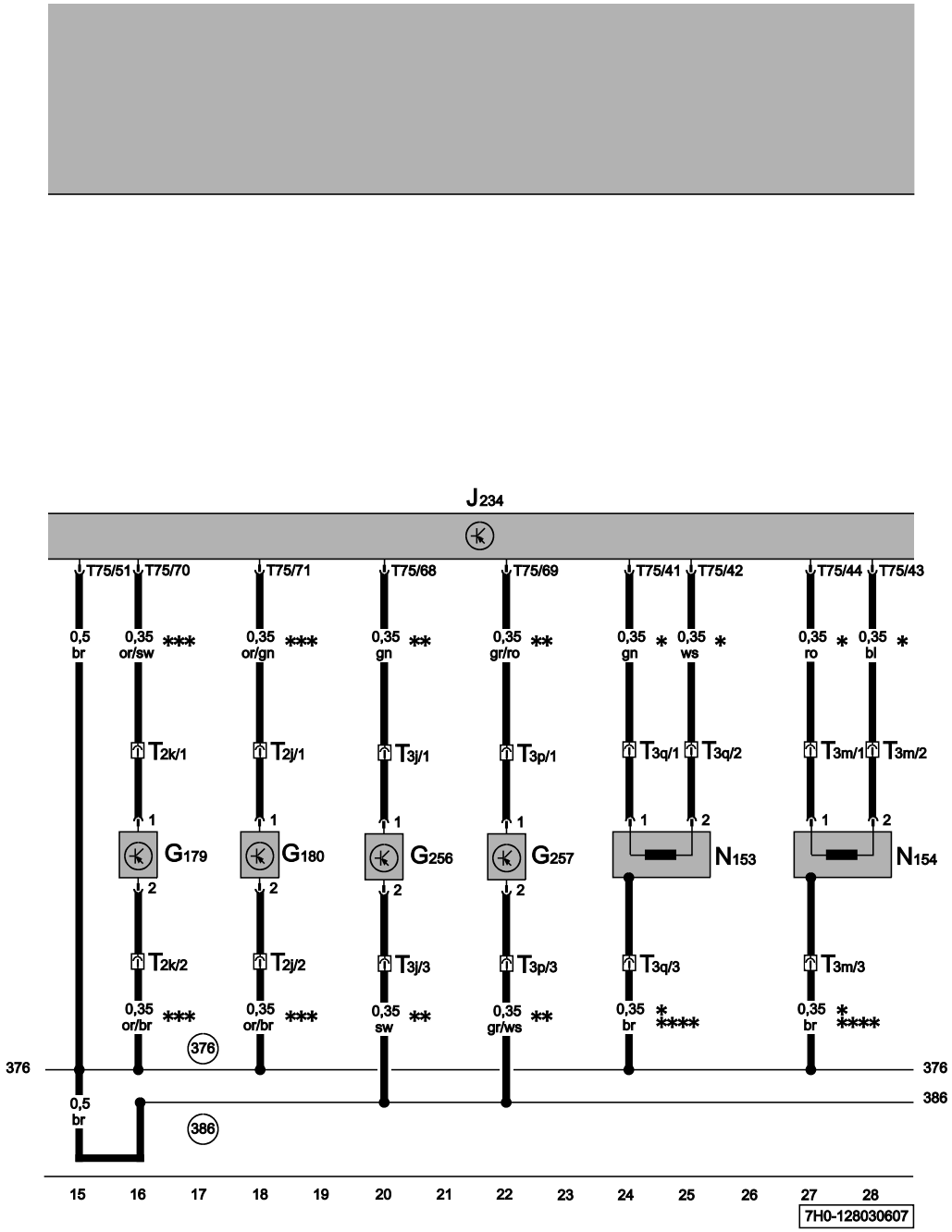


ws = white

Airbag control unit, airbag coil connector and return spring with slip ring, driver side airbag igniter

D	Ignition/starter switch
F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
K145	Front passenger side airbag deactivated warning lamp
N95	Driver side airbag igniter
N199	Side airbag igniter on driver side
SB13	Fuse 13 on fuse holder B
SB22	Fuse 22 on fuse holder B
T3k	3-pin connector, yellow, under driver seat
T8z	8-pin connector, yellow, in steering wheel
T41	41-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
605	Earth point, on top end of steering column
639	Earth point, left A-pillar
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
*	depends on equipment
**	for models without multifunction steering wheel only
***	for models with multifunction display only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="2	for models with key operated switch to deactivate front passenger side airbag only

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ro	=	red	scaling="
br	=	brown	uniform"/
gn	=	green	>
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gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



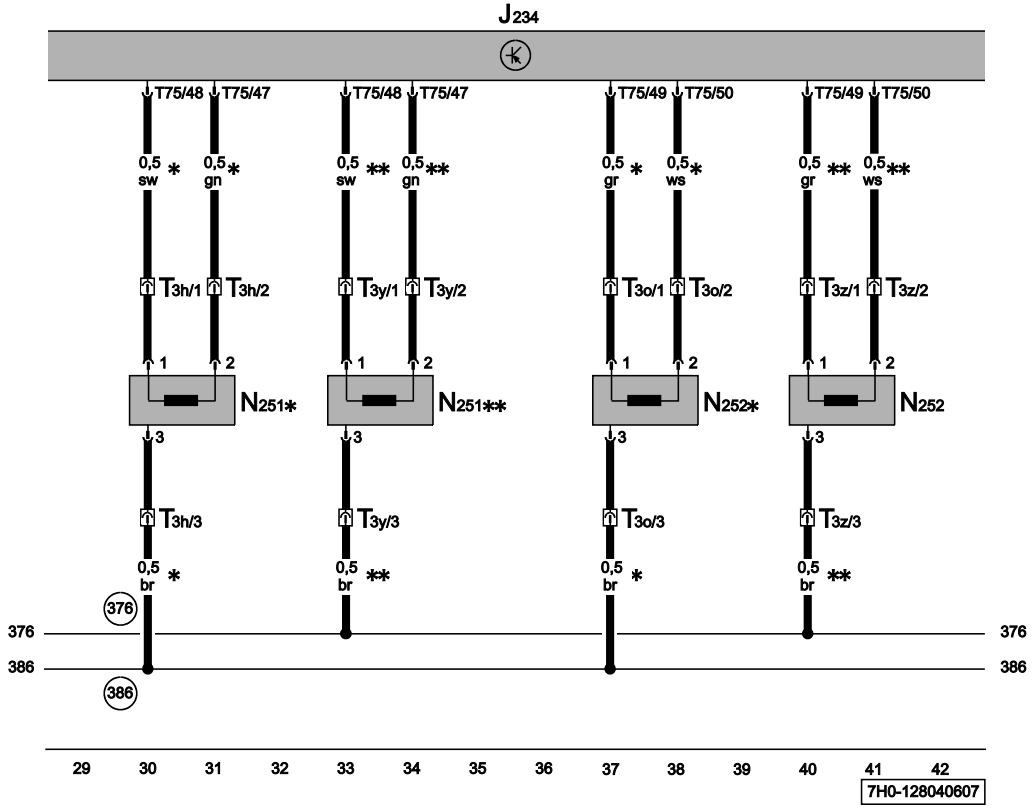
Airbag control unit, side airbag crash sensors, belt tensioner igniter

G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 1
T2j	2-pin connector, yellow, coupling station under front passenger seat
T2k	2-pin connector, yellow, under driver seat
T3j	3-pin connector, yellow, coupling station under driver seat
T3m	3-pin connector, yellow, coupling station under front passenger seat
T3p	3-pin connector, yellow, coupling station under front passenger seat
T3q	3-pin connector, yellow, coupling station under driver seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
386	Earth connection 21, in main wiring harness
*	for models with belt tensioners only
**	for models with rear side airbag only
***	for models without side airbag only
****	is dropped from November 2006

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

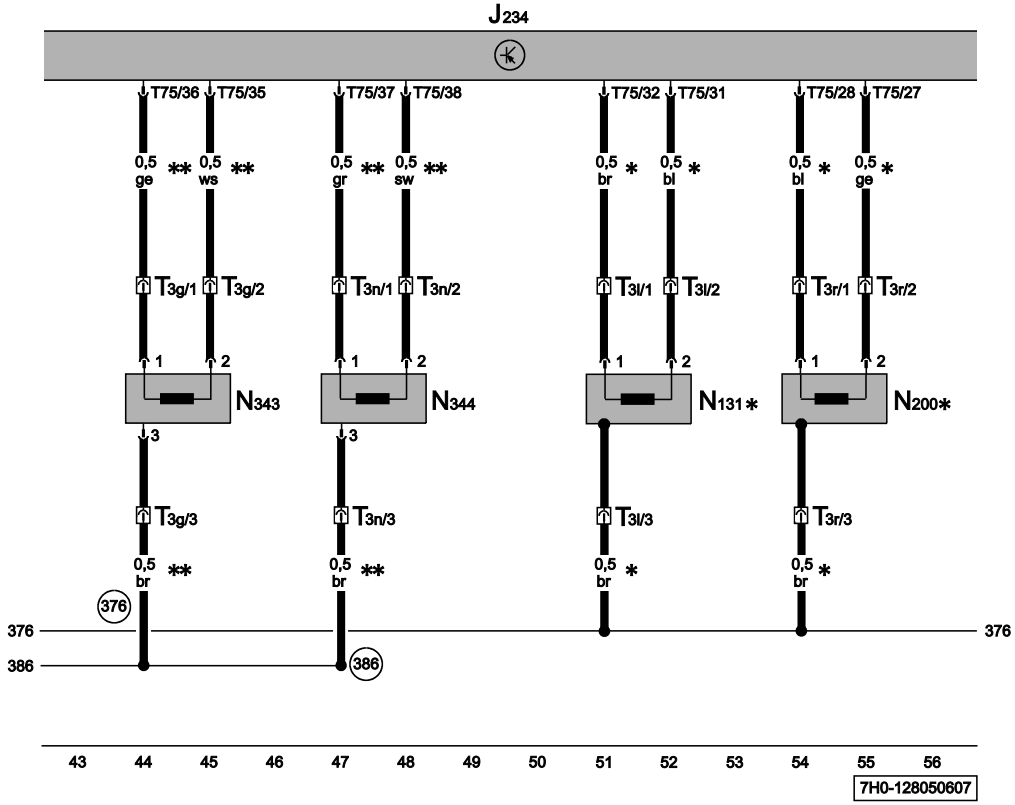
Airbag control unit, curtain airbag igniter

J234	Airbag control unit
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T3h	3-pin connector, yellow, coupling station under driver seat
T3o	3-pin connector, yellow, coupling station under front passenger seat
T3y	3-pin connector, yellow, on left B-pillar
T3z	3-pin connector, yellow, on right B-pillar
T75	75-pin connector
376	Earth connection 11, in main wiring harness
386	Earth connection 21, in main wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	for double cab and plank bed vehicles only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

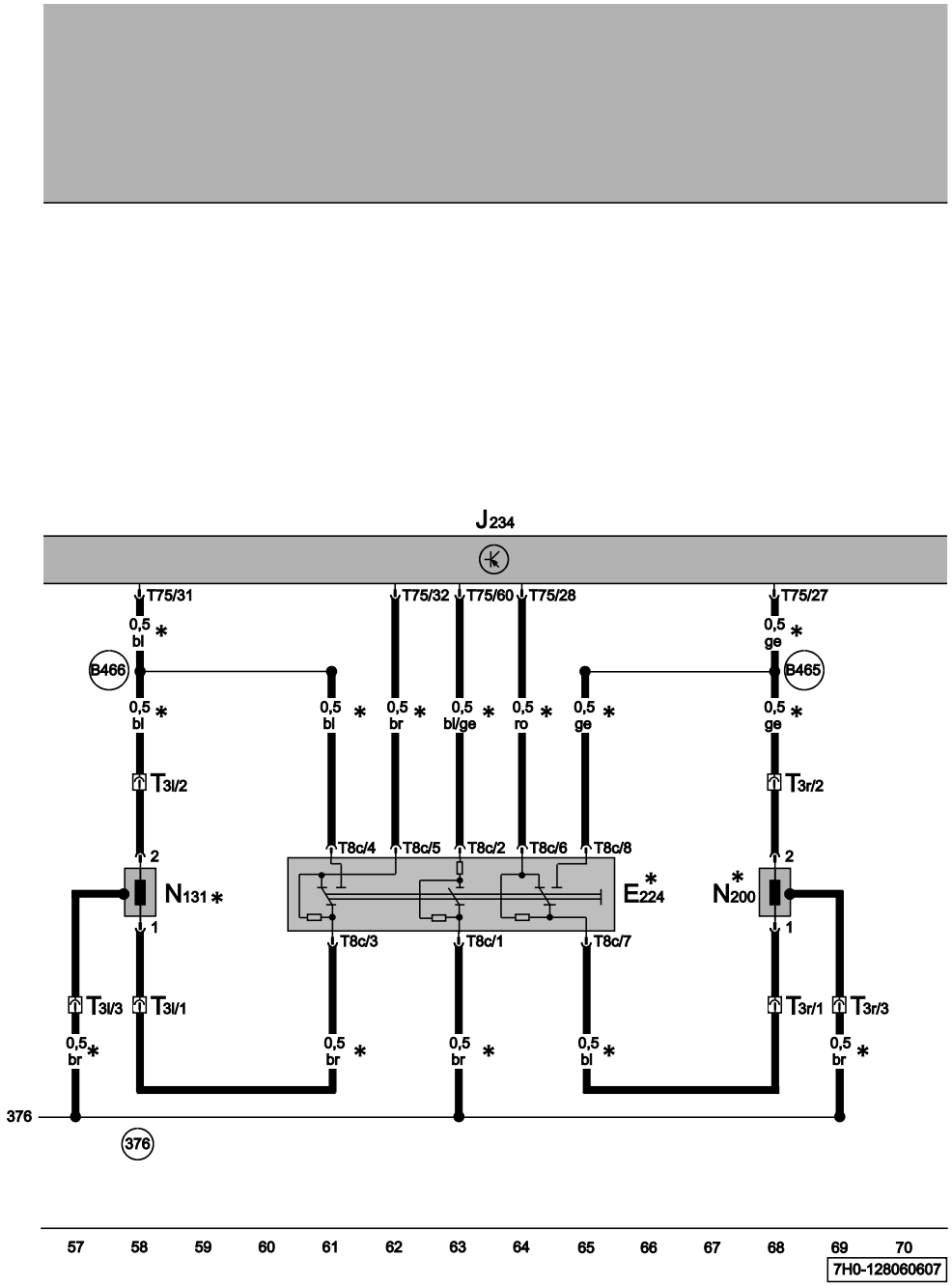




Airbag control unit, airbag igniter

J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
N343	Driver side curtain airbag rear igniter
N344	Front passenger side curtain airbag rear igniter
T3g	3-pin connector, yellow, coupling station under driver seat
T3l	3-pin connector, yellow, behind the glove compartment
T3n	3-pin connector, yellow, coupling station under front passenger seat
T3r	3-pin connector, yellow, coupling station under front passenger seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
386	Earth connection 21, in main wiring harness
*	for models without key operated switch to deactivate front passenger side airbag only
**	for models with curtain airbag rear only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

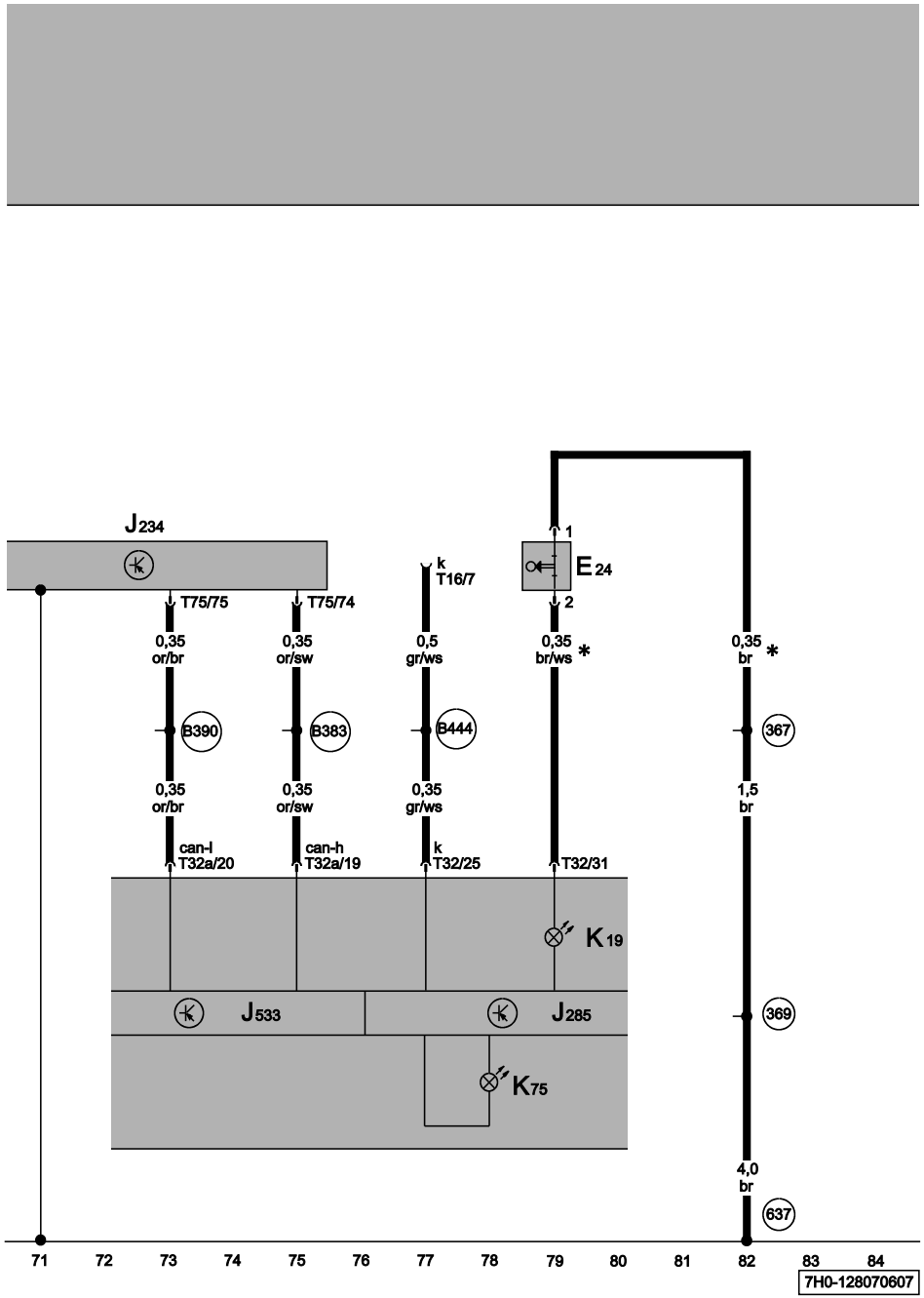


Airbag control unit, key operated switch to deactivate front passenger airbag, airbag igniter

E224	Key operated switch to deactivate front passenger side airbag
J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
T3l	3-pin connector, yellow, behind the glove compartment
T3r	3-pin connector, yellow, coupling station under front passenger seat
T8c	8-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
B465	Connection 1 in main wiring harness
B466	Connection 2 in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Airbag control unit, control unit in dash panel insert, warning lamps, driver side belt switch



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

E24	Driver side belt switch
J234	Airbag control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K19	Seat belt warning system warning lamp
K75	Airbag warning lamp
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
T75	75-pin connector
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with driver side belt switch only

Seat heating

⇒ **Seat with leather cover**

from January 2006

Notes:

For information concerning

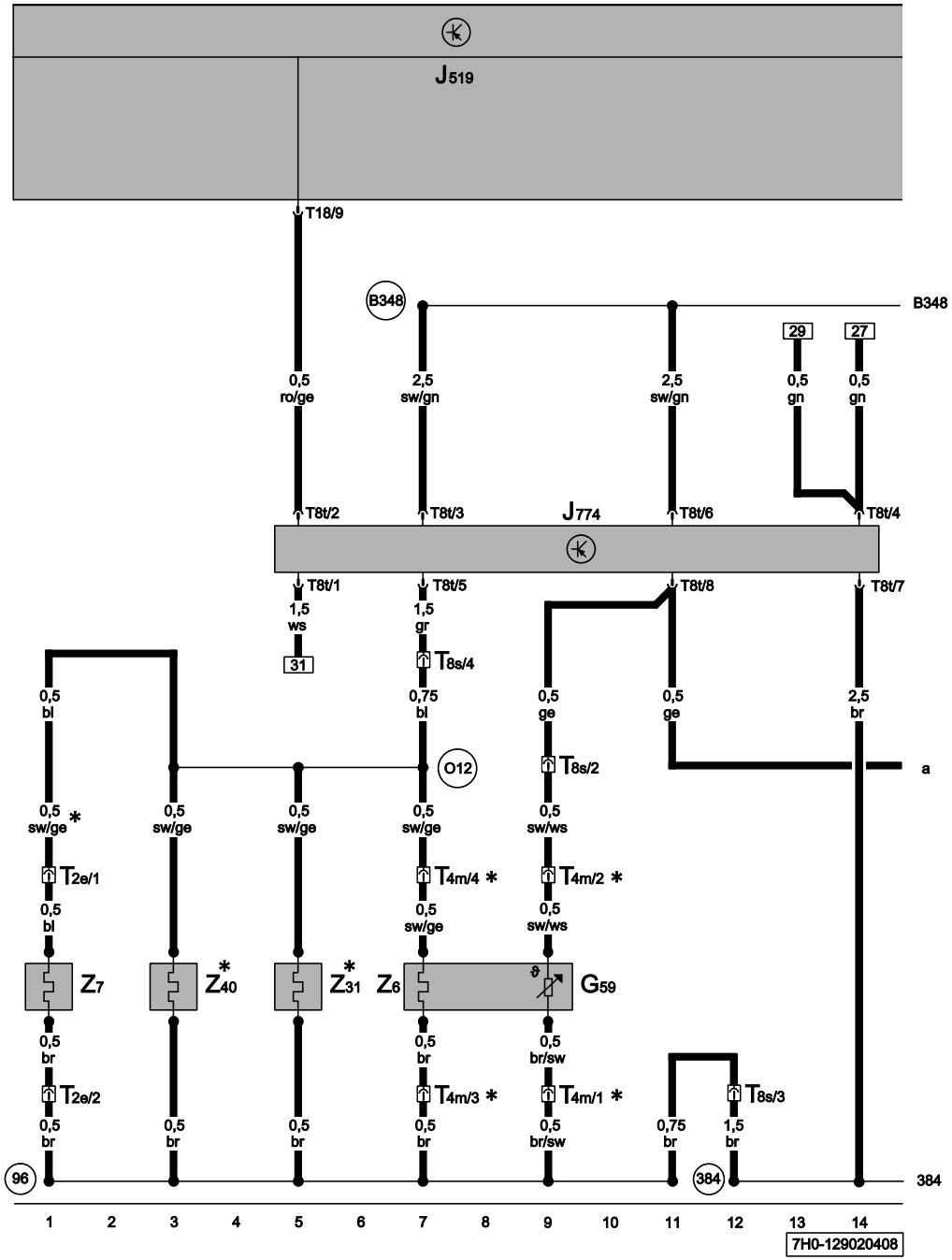
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

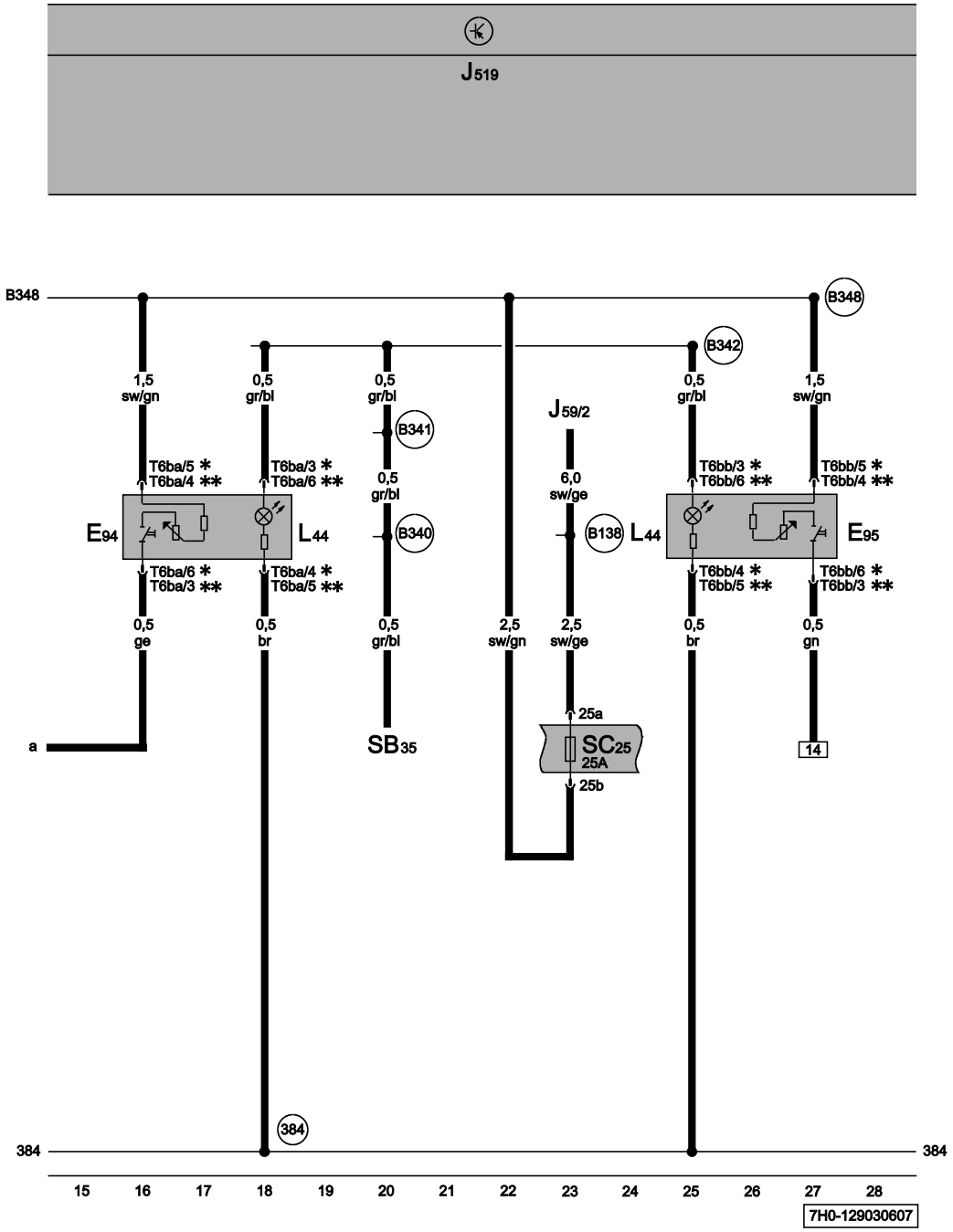
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heated front seats control unit, heated driver seat, driver seat temperature sensor

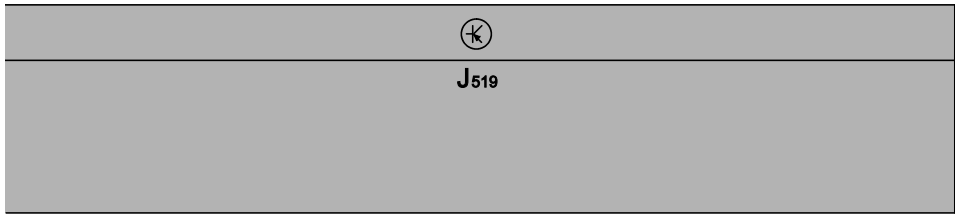
G59	Driver seat temperature sensor
J519	Onboard supply control unit
J774	Heated front seats control unit
T2e	2-pin connector, black, in driver seat
T4m	4-pin connector, black, in driver seat
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T18	18-pin connector, black
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
Z31	Driver seat cushion lateral support heater
Z40	Driver seat lateral support heater 2
96	Earth connection 1, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O12	Connection 1, in seat heating wiring harness
*	for models with lateral support heater only

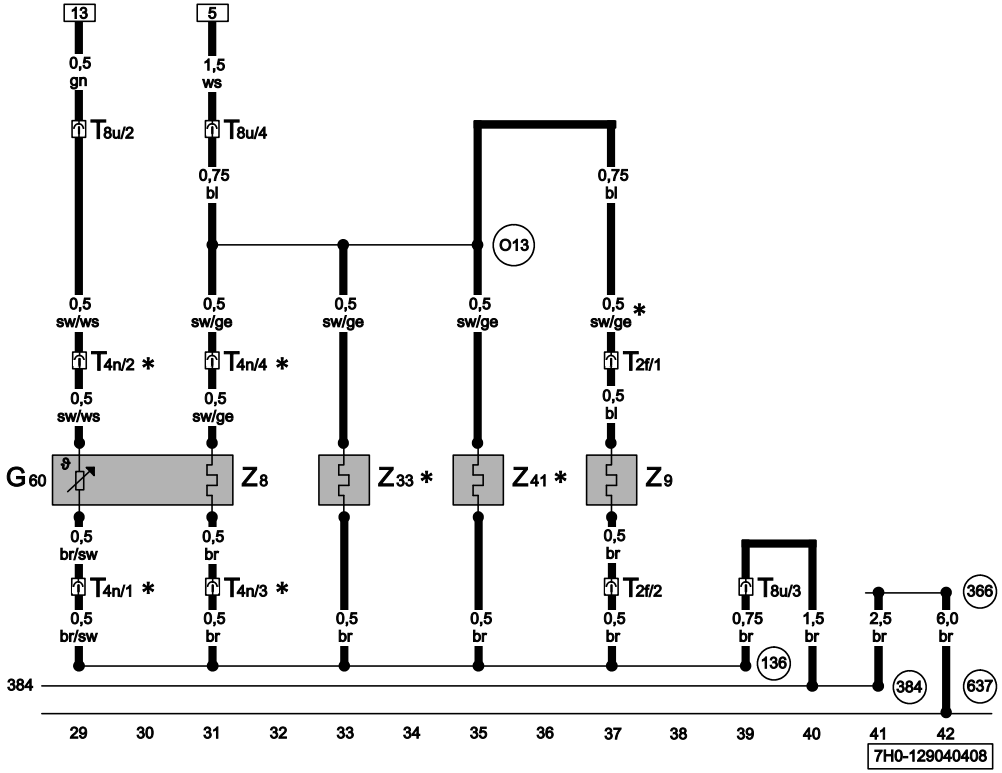


Heated front passenger seat regulator, heated front passenger seat regulator, fuses

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J519	Onboard supply control unit
L44	Seat heating switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
384	Earth connection 19, in main wiring harness
B138	Positive connection (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B348	Connection 1 (75A), in main wiring harness
*	for convenience-dash panel only
**	for standard-dash panel only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger seat temperature sensor, heated front passenger seat

G60	Front passenger seat temperature sensor
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T4n	4-pin connector, black, in front passenger seat
T8u	8-pin connector, black, under front passenger seat
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
Z33	Front passenger seat lateral support heater
Z41	Front passenger seat lateral support heater 2
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
384	Earth connection 19, in main wiring harness
637	Earth point, airbag control unit
O13	Connection 2, in seat heating wiring harness
*	for models with lateral support heater only

Seat heating

⇒ **seat with loth cover**

⇒ **seat with imitate leather cover**

from January 2006

Notes:

For information concerning

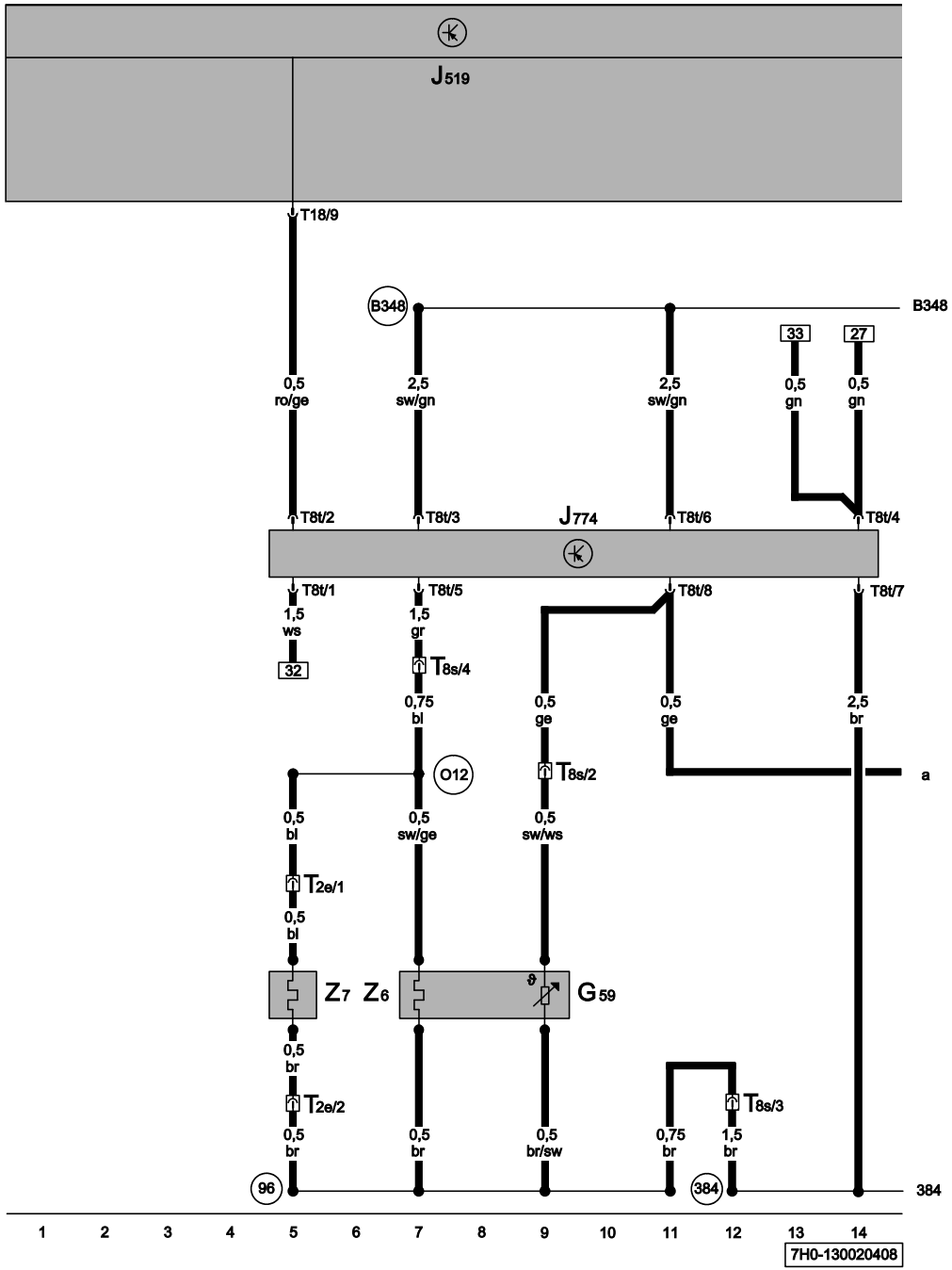
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

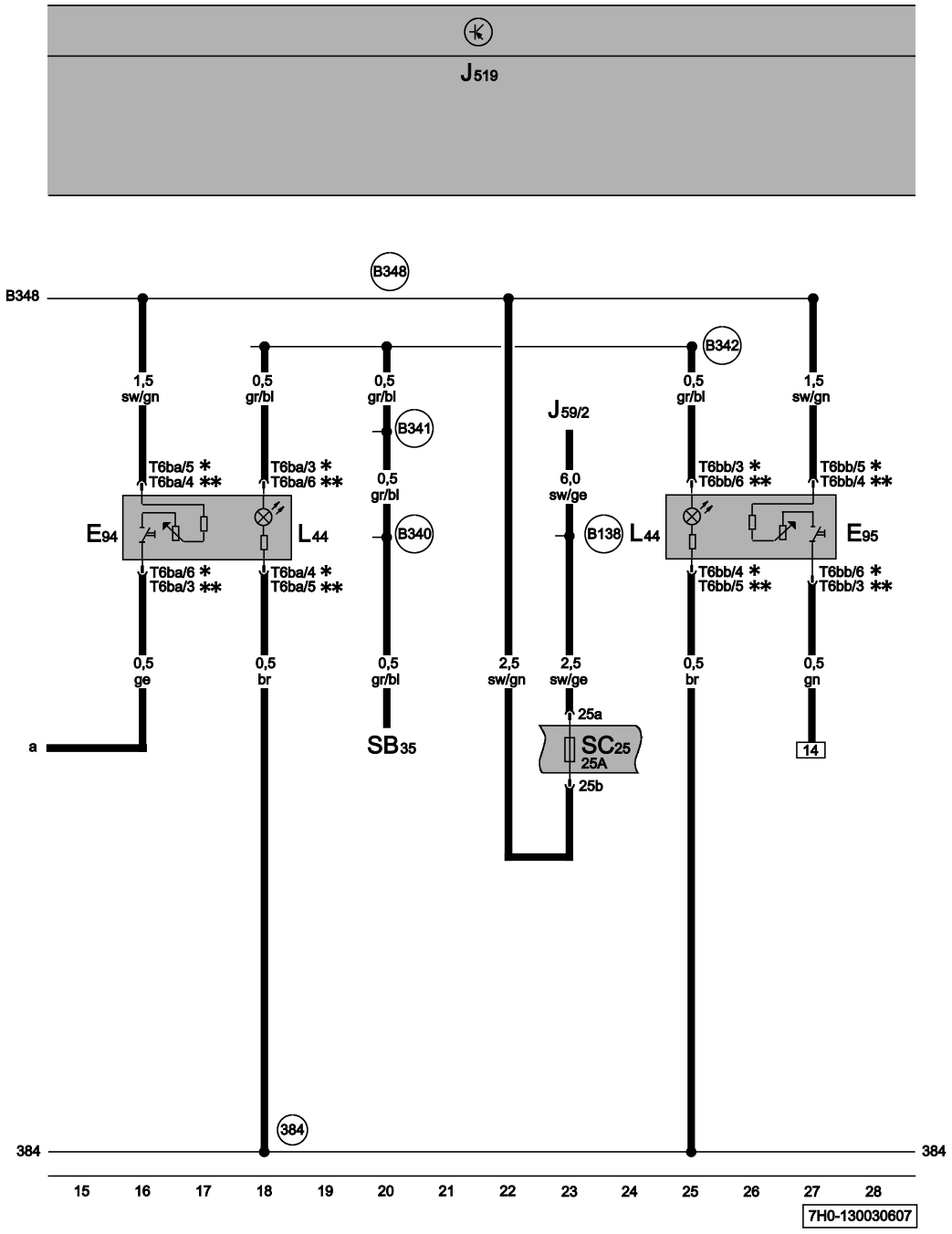
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heated front seats control unit, heated driver seat, driver seat temperature sensor

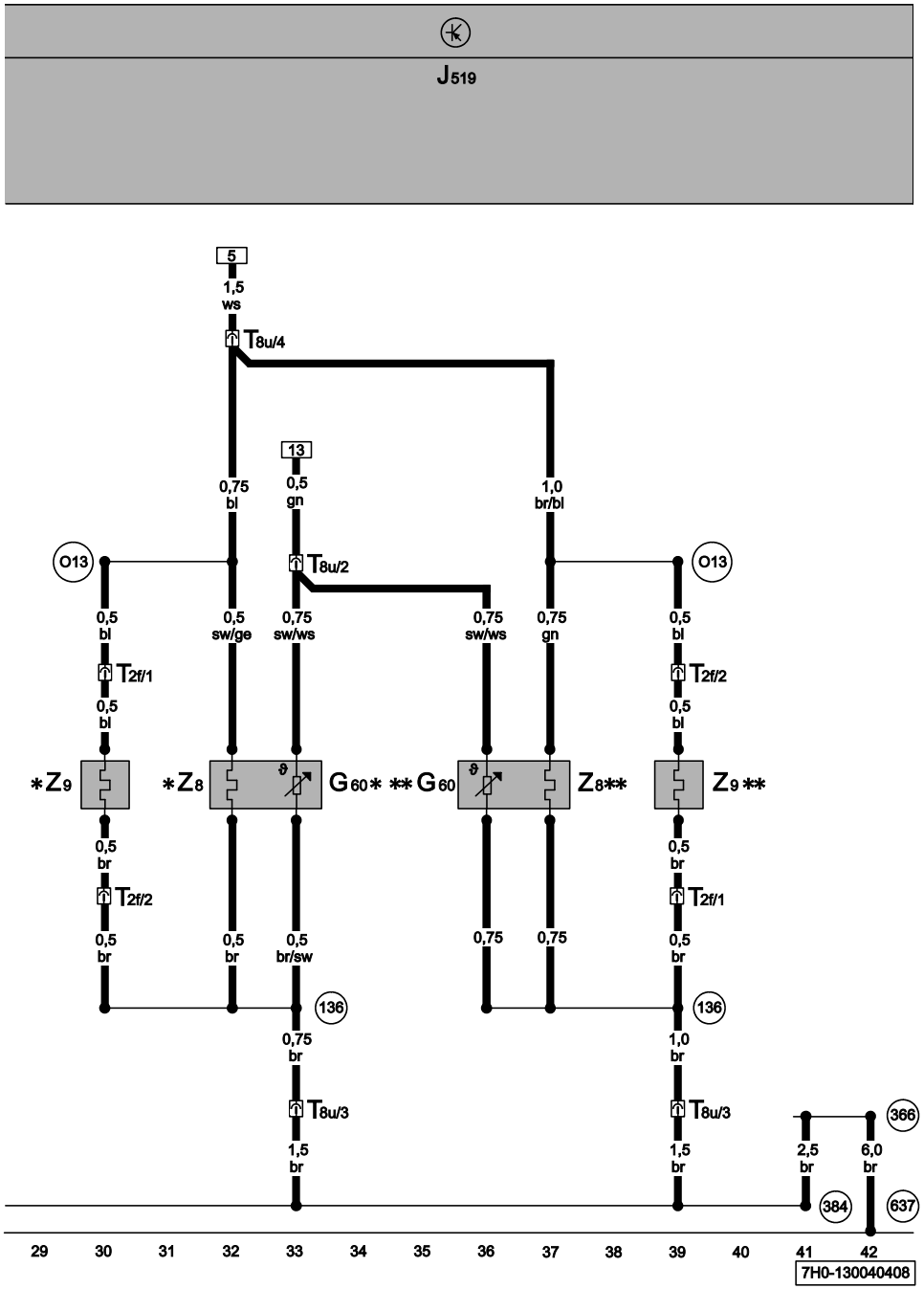
G59	Driver seat temperature sensor
J519	Onboard supply control unit
J774	Heated front seats control unit
T2e	2-pin connector, black, in driver seat
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T18	18-pin connector, black
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
96	Earth connection 1, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness
O12	Connection 1, in seat heating wiring harness



Heated front passenger seat regulator, heated front passenger seat regulator, fuses

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J519	Onboard supply control unit
L44	Seat heating switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
384	Earth connection 19, in main wiring harness
B138	Positive connection (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B348	Connection 1 (75A), in main wiring harness
*	for convenience-dash panel only
**	for standard-dash panel only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger seat temperature sensor, heated front passenger seat

G60	Front passenger seat temperature sensor
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T8u	8-pin connector, black, under front passenger seat
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
384	Earth connection 19, in main wiring harness
637	Earth point, airbag control unit
O13	Connection 2, in seat heating wiring harness
*	only for single seat on front passenger side
**	only for double seat on front passenger side

2.5 l/96 kW - Turbodiesel engine, engine code BNZ

from January 2006

2.5 l/128 kW - Turbodiesel engine, engine code BPC

from January 2006

Notes:

For information concerning

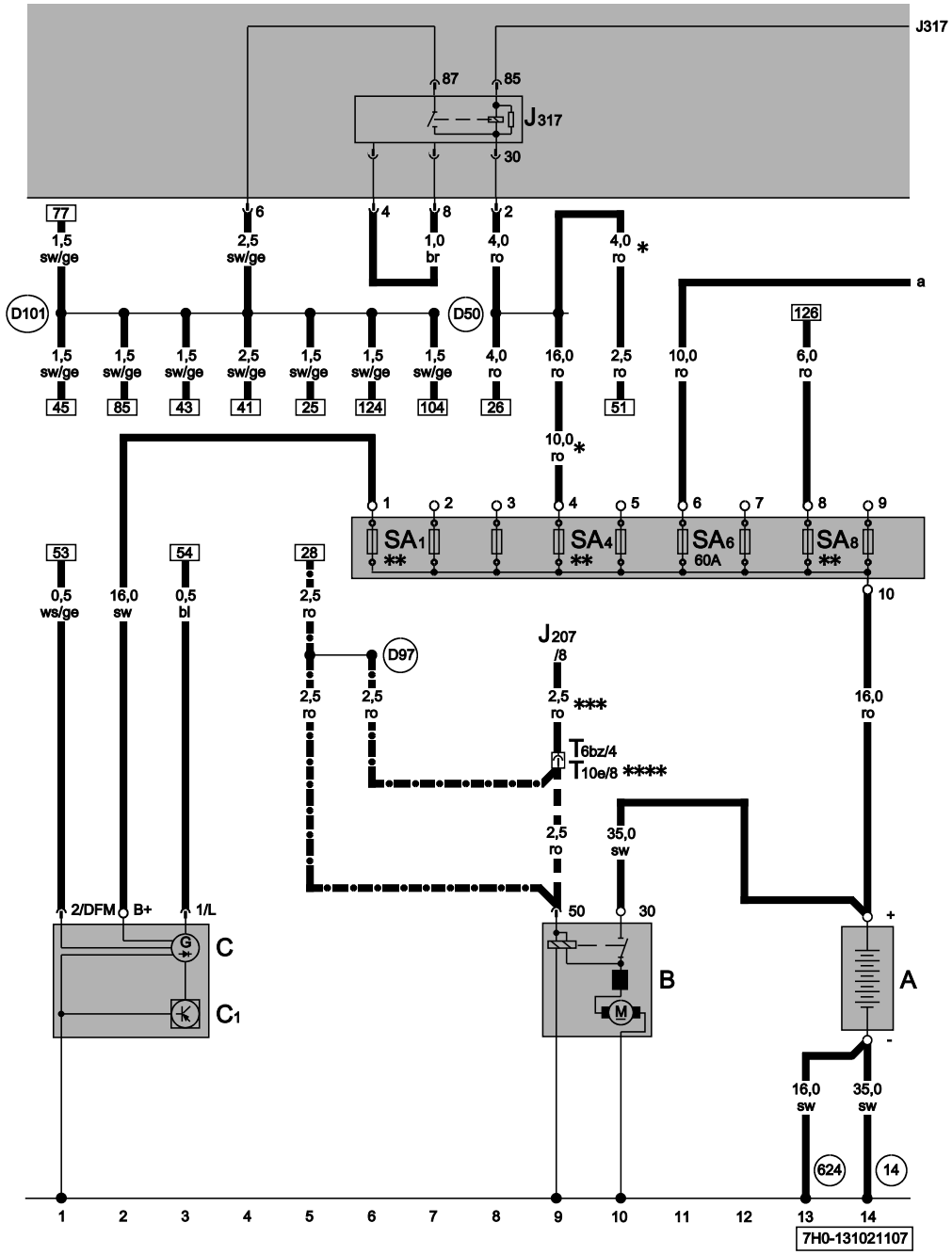
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Battery, alternator, starter, fuses, terminal 30 voltage supply relay

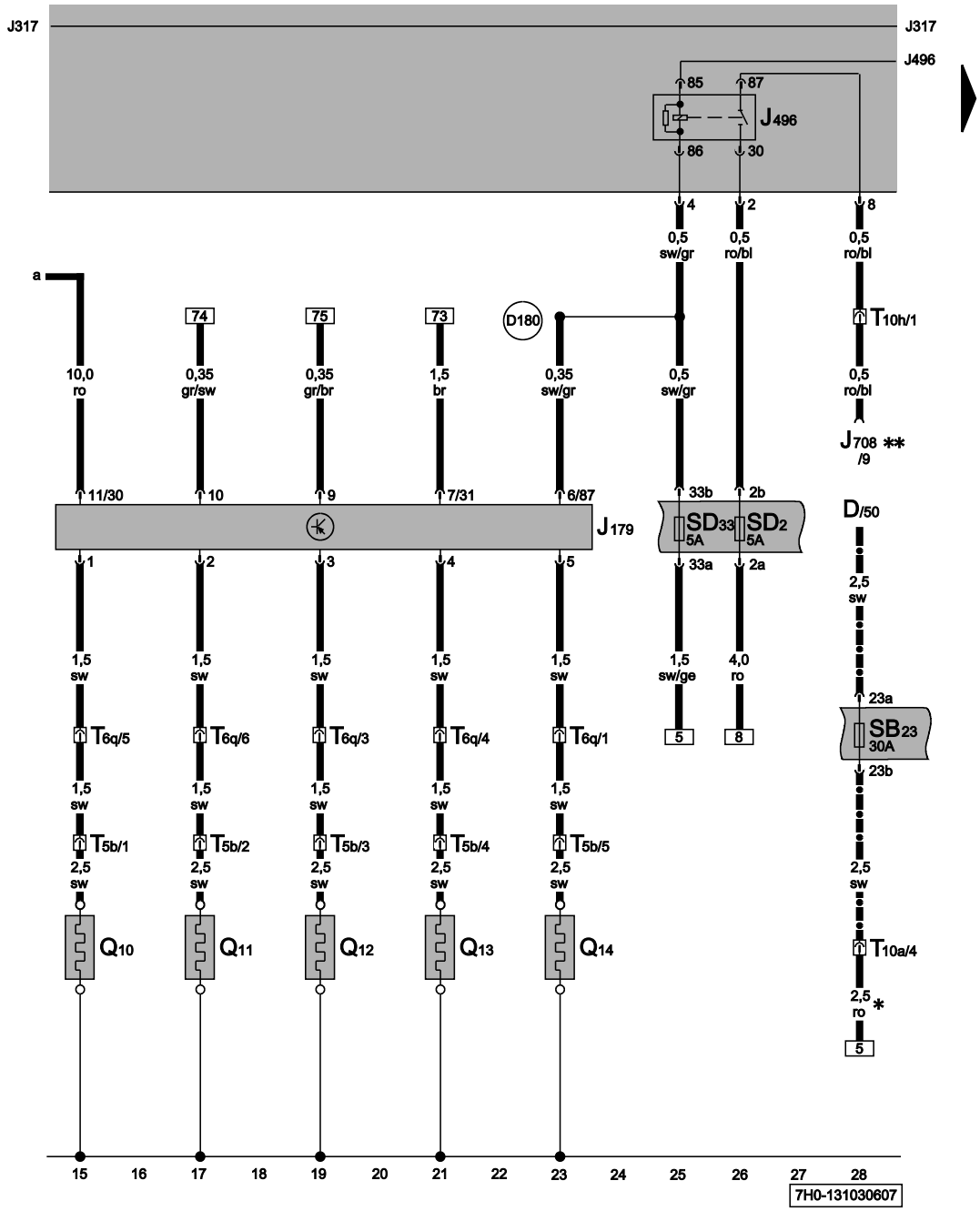
A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	applicable from June 2006
**	fuse rating depends on equipment ⇒ Fitting Locations
***	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
****	applicable from June 2007

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt"
for models with manual gearbox only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

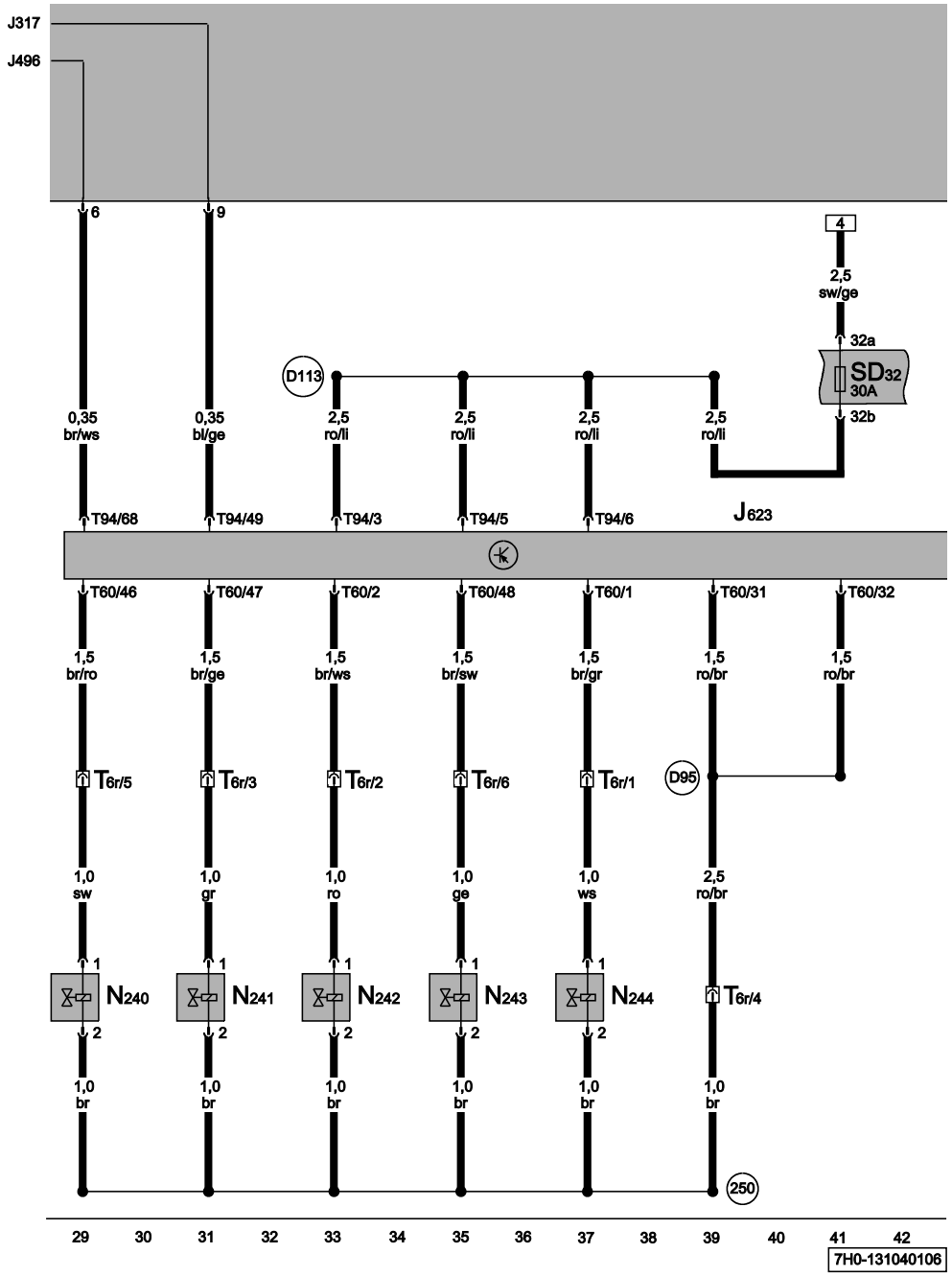
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>

Automatic glow period control unit, additional coolant pump relay, glow plugs, fuses, ignition/starter switch



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

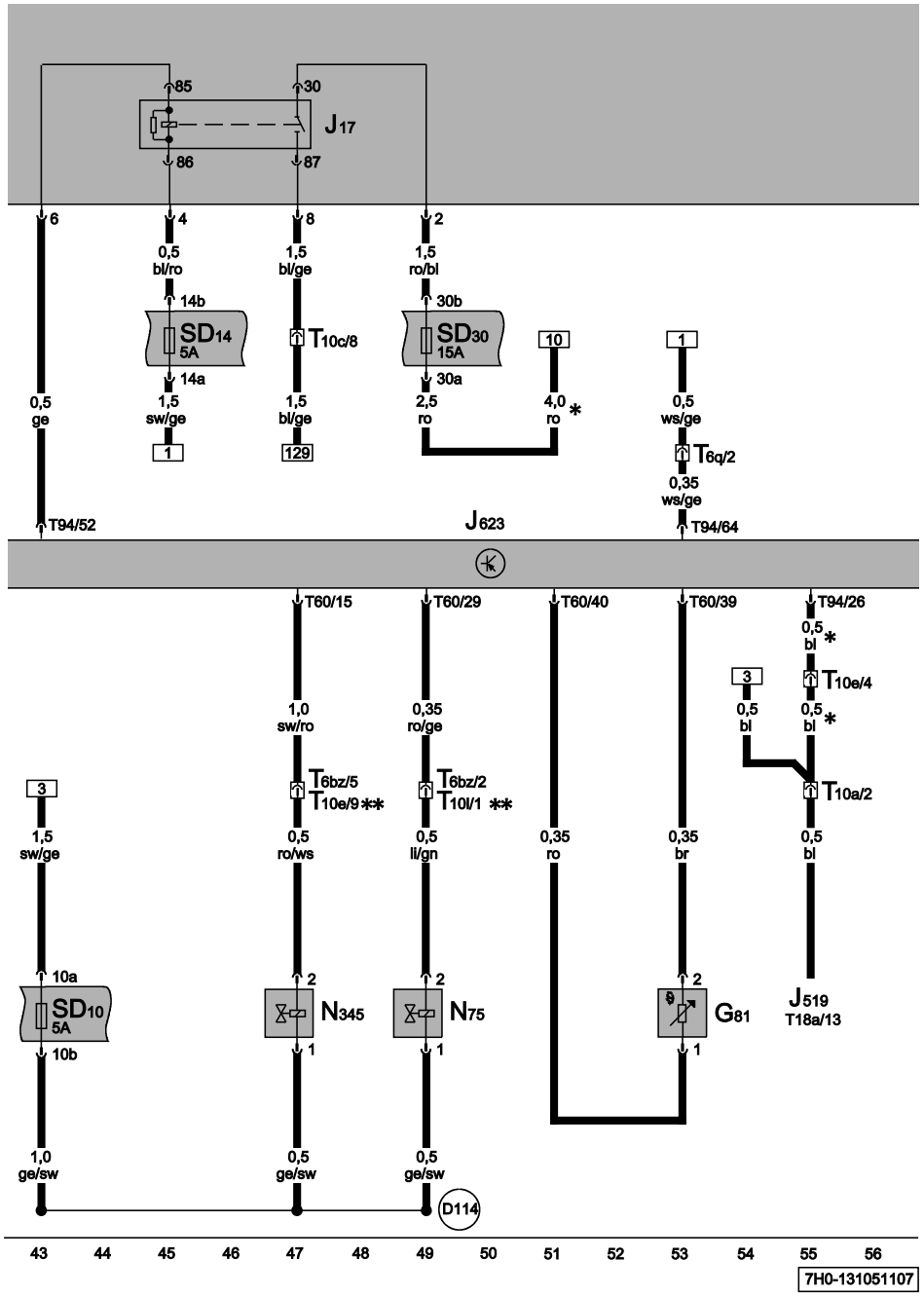
D	Ignition/starter switch
J179	Automatic glow period control unit
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SB23	Fuse 23 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D180	Connection (87a), in engine compartment wiring harness
*	for models with manual gearbox only
**	⇒ auxiliary coolant heater Current Flow Diagram
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox and without electric interface only



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

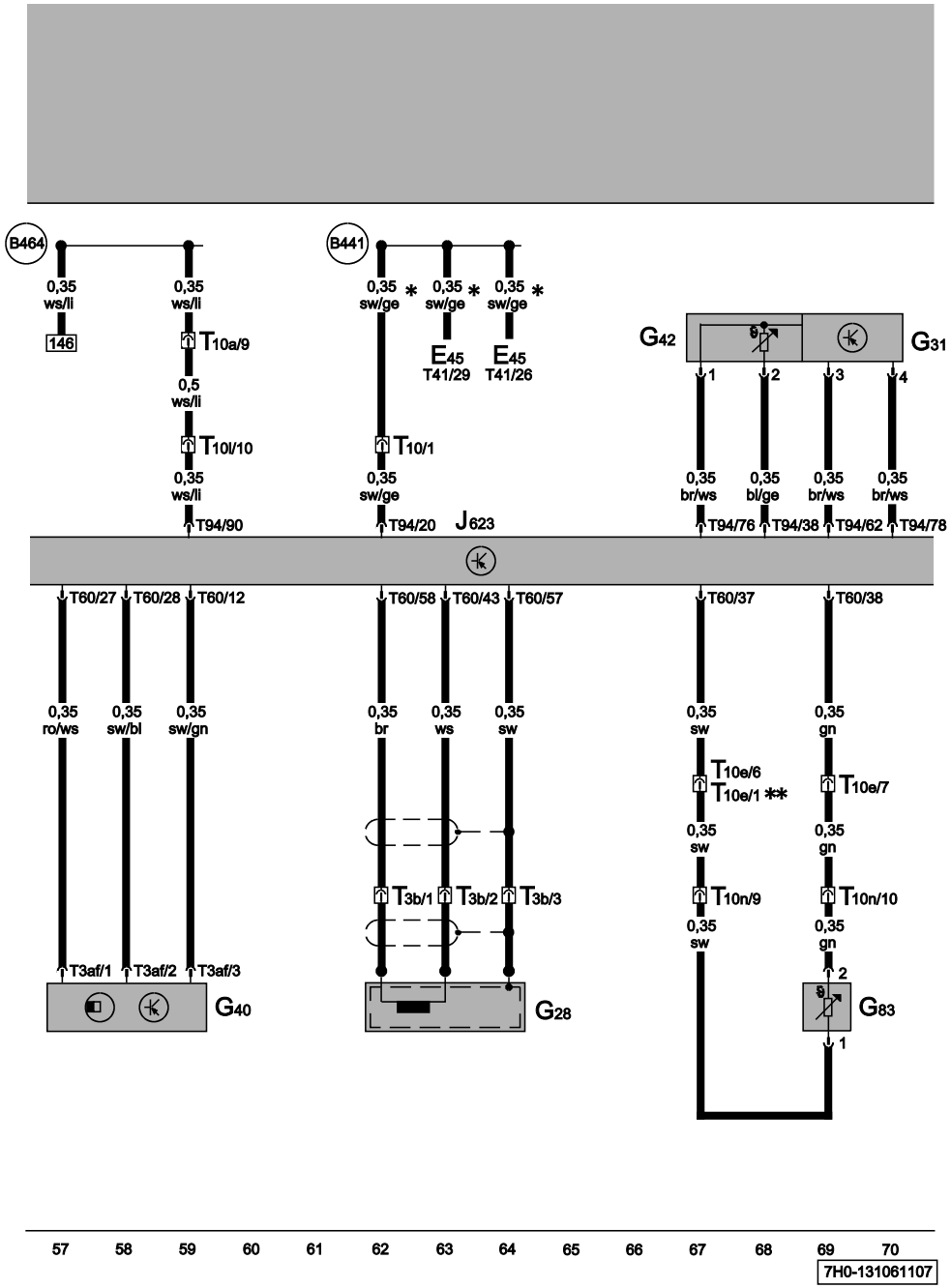
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Engine control unit, fuel temperature sender, fuel pump relay, charge pressure control solenoid valve, exhaust gas recirculation cooler change-over valve

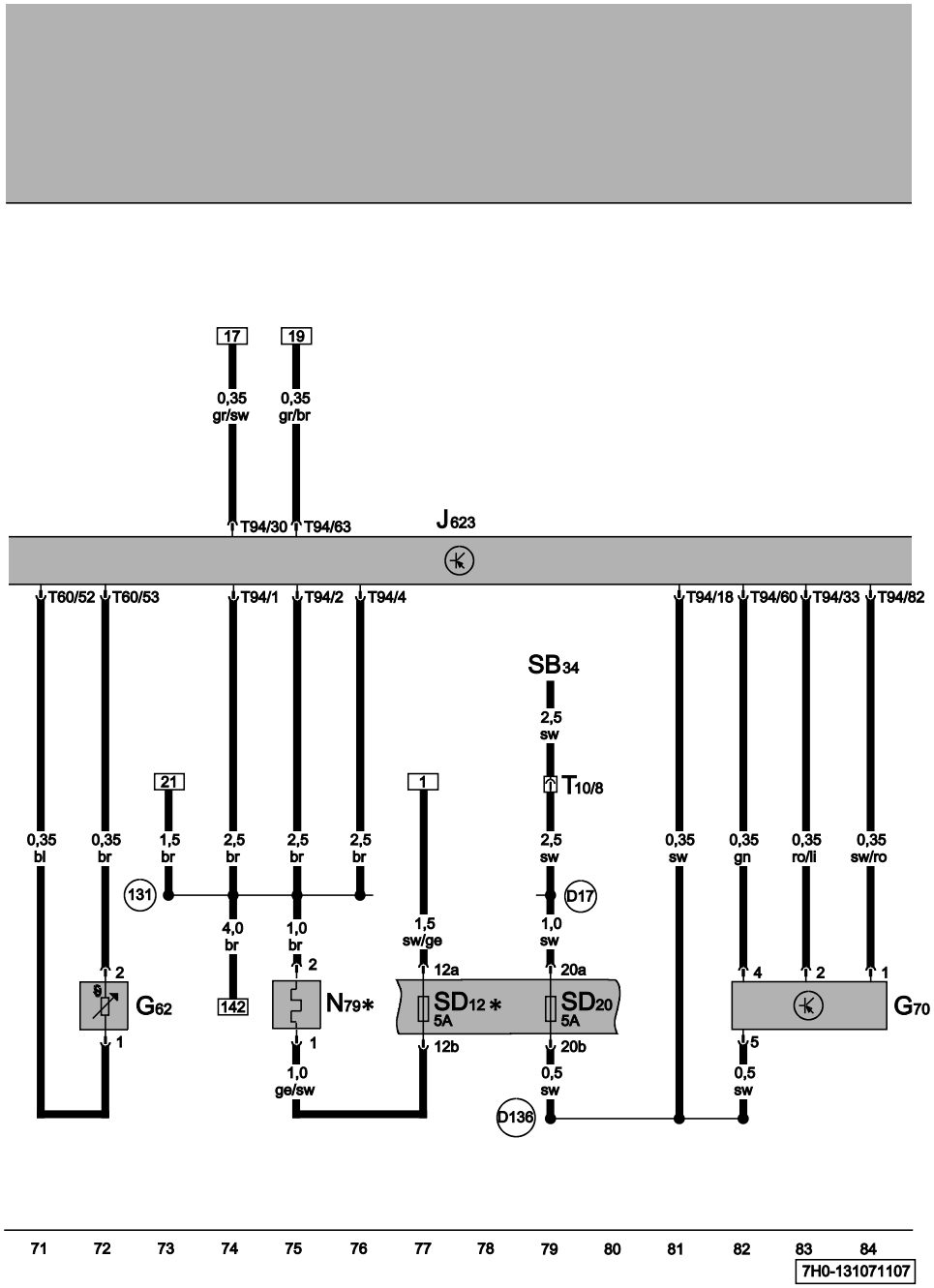
G81	Fuel temperature sender
J17	Fuel pump relay
J519	Onboard supply control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2006
**	applicable from June 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3b	3-pin connector, grey, on front of engine
T3af	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only
**	applicable from June 2007

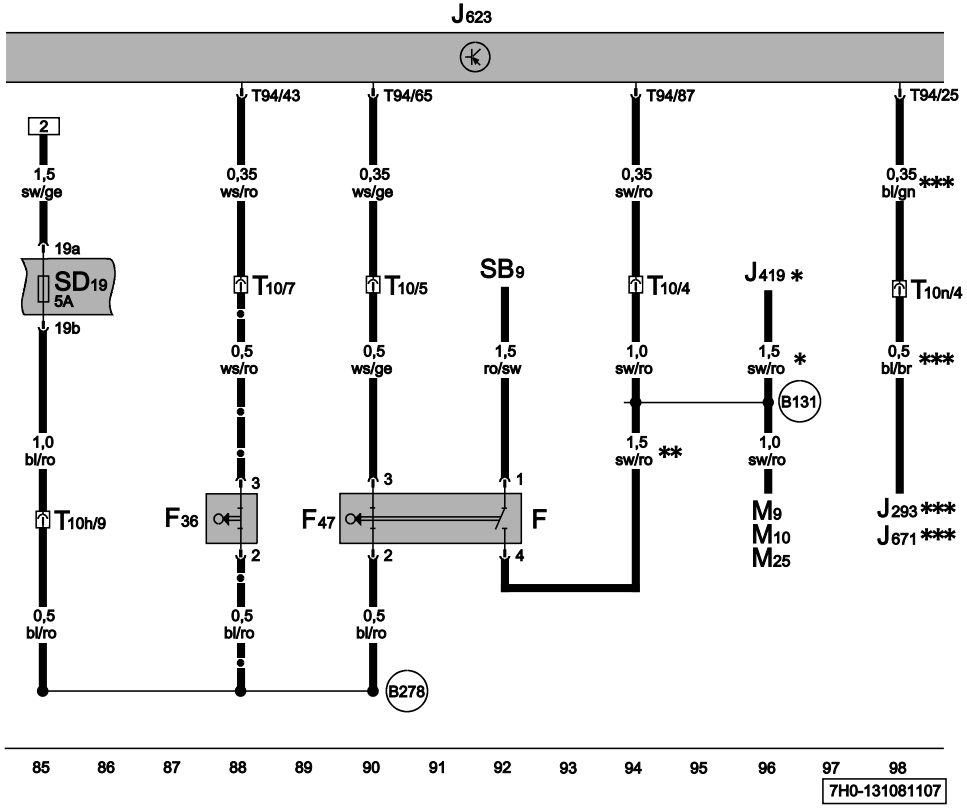


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with heater element for crankcase breather only

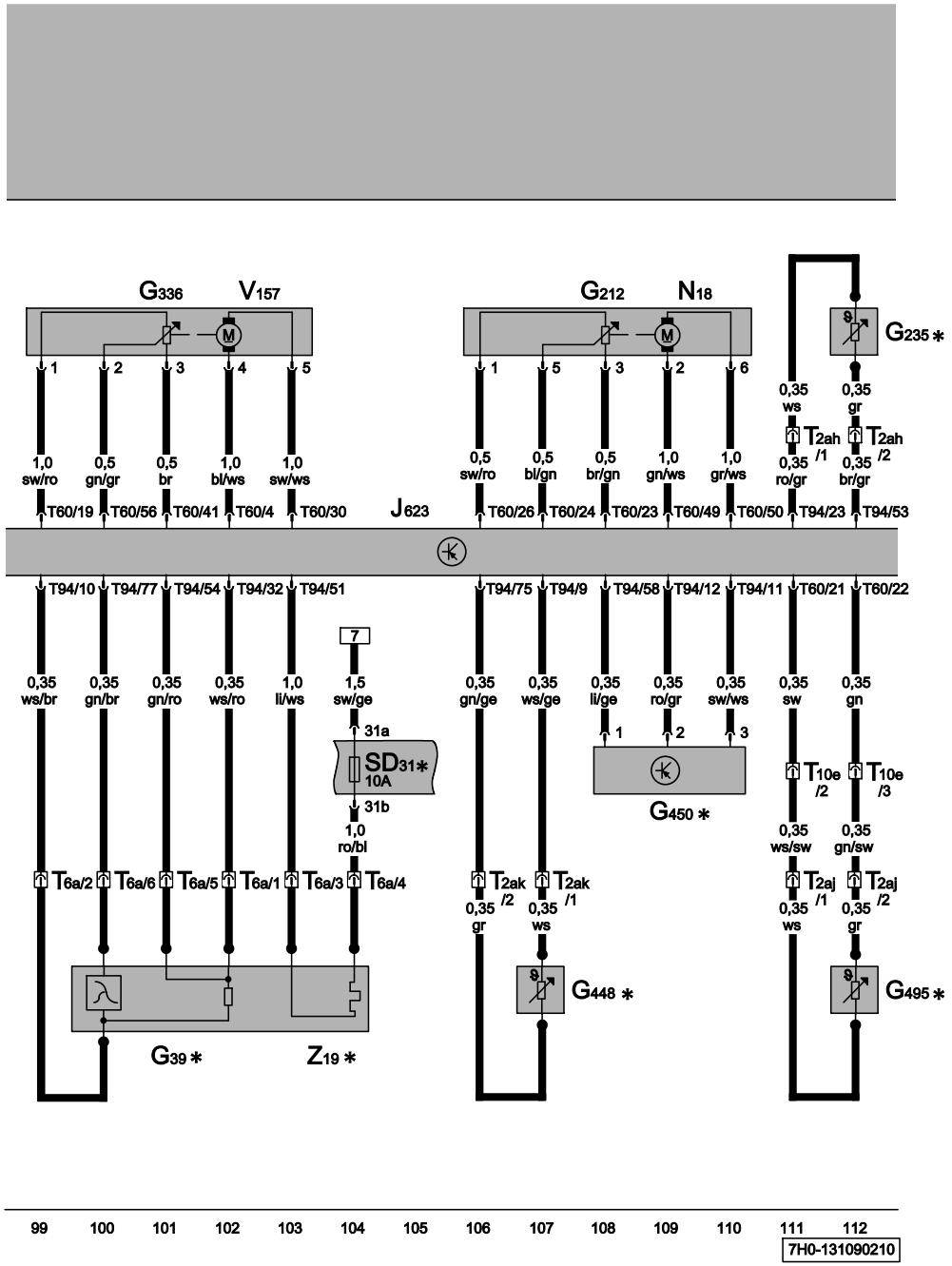




ws = white
sw = black
ro = red
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li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch, brake light bulbs

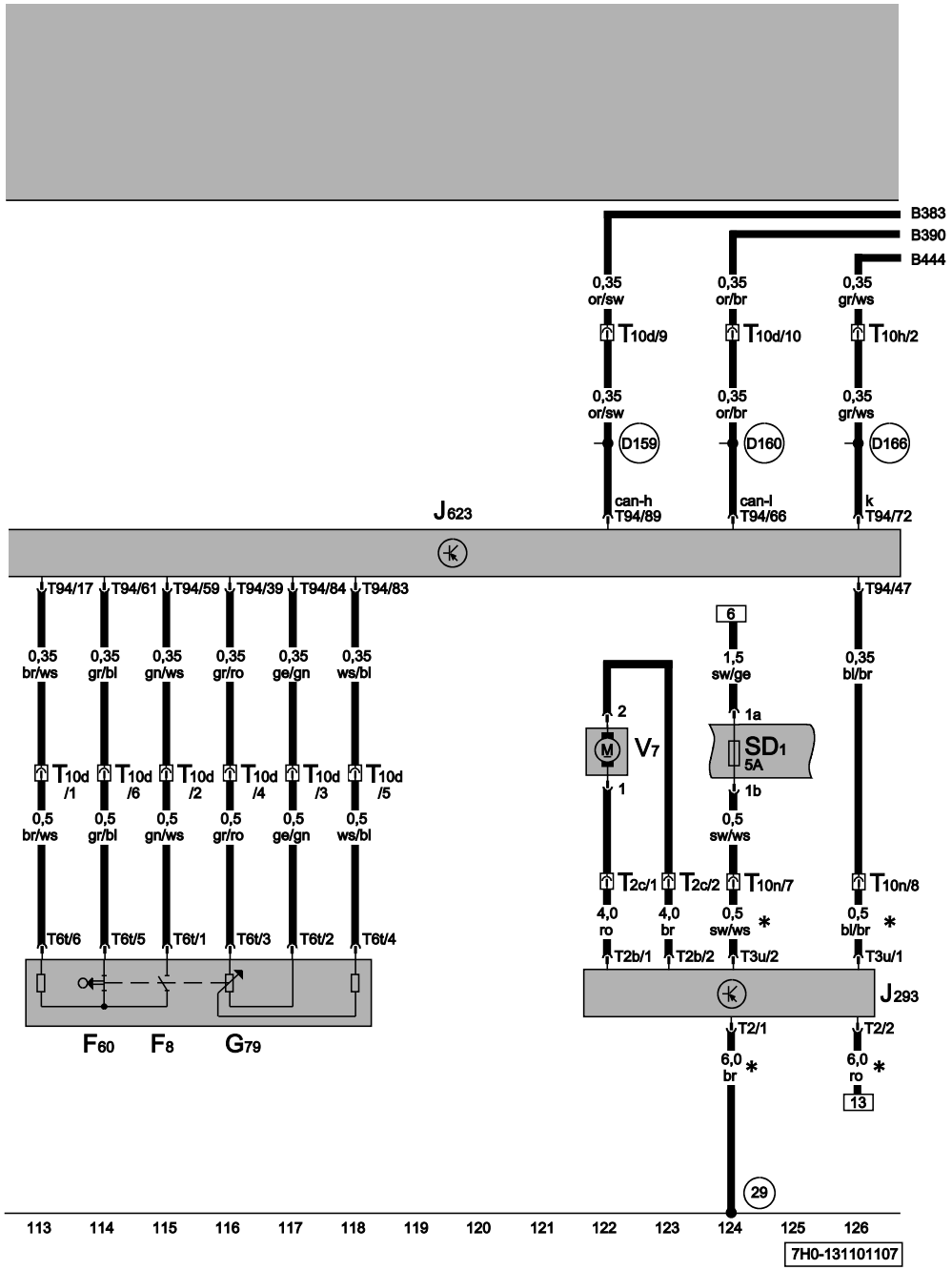
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	for models with Climatronic/ air conditioning system only ⇒ Current Flow Diagram for radiator fan
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox only



Engine control unit, lambda probe, exhaust gas temperature sender, exhaust gas pressure sensor 1, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, intake manifold flap potentiometer, intake manifold flap motor

G39	Lambda probe
G212	Exhaust gas recirculation potentiometer
G235	Exhaust gas temperature sender 1
G336	Intake manifold flap potentiometer
G448	Exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G495	Exhaust gas temperature sender 3
J623	Engine control unit
N18	Exhaust gas recirculation valve
SD31	Fuse 31 on fuse holder D
T2ah	2-pin connector, black, centre in engine compartment
T2aj	2-pin connector, orange, centre in engine compartment
T2ak	2-pin connector, brown, centre in engine compartment
T6a	6-pin connector, black, centre in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V157	Intake manifold flap motor
Z19	Lambda probe heater
*	for models with particulate filter only

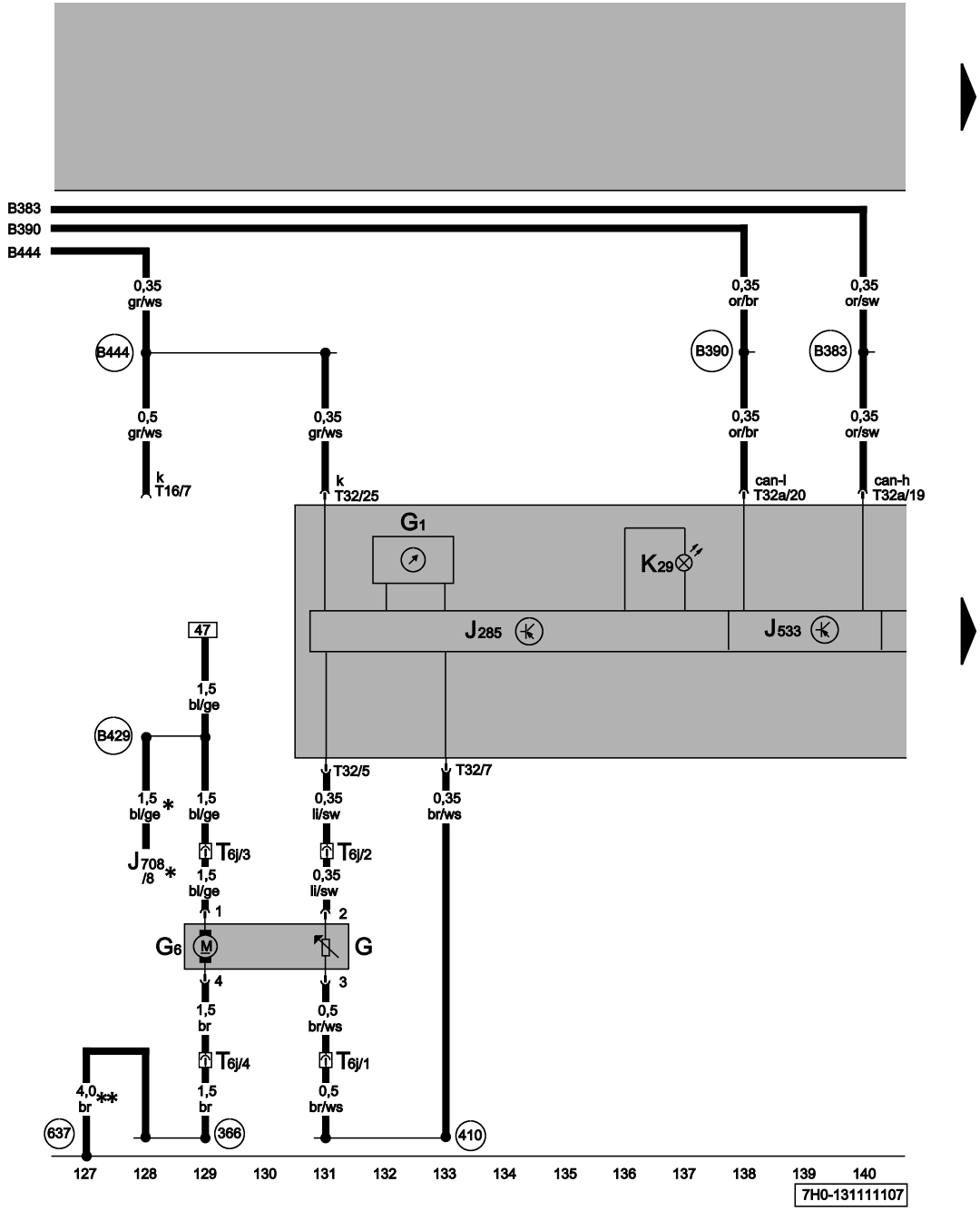
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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ge = yellow
or = orange
rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

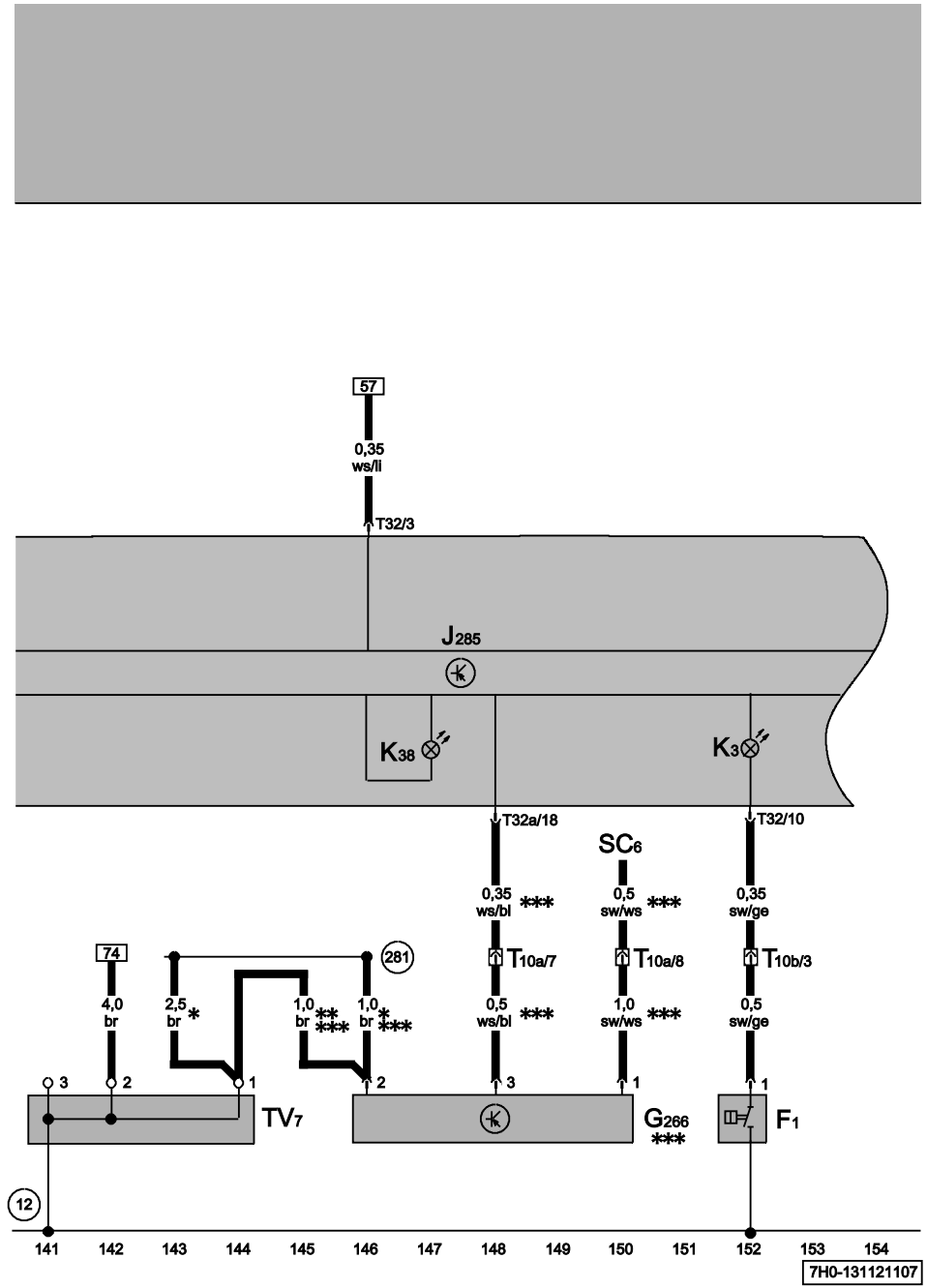
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



ws = white
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ro = red
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Dash panel insert, fuel gauge sender, fuel system pressurisation pump, warning lamp

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible



Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

1.9 l/75 kW - Turbodiesel engine, engine code BRS

from January 2006

1.9 l/62 kW - Turbodiesel engine, engine code BRR

from January 2006

Notes:

For information concerning

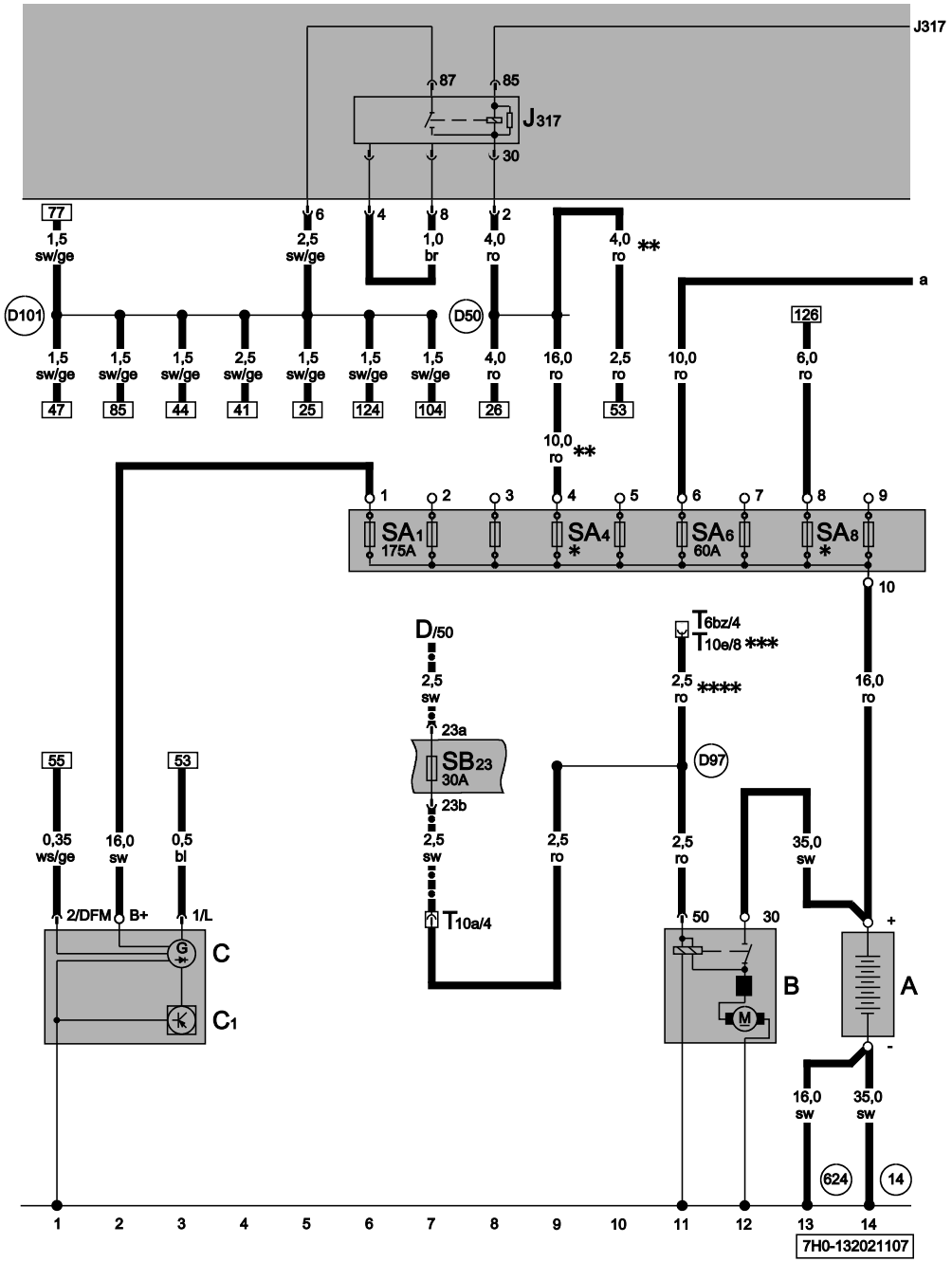
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



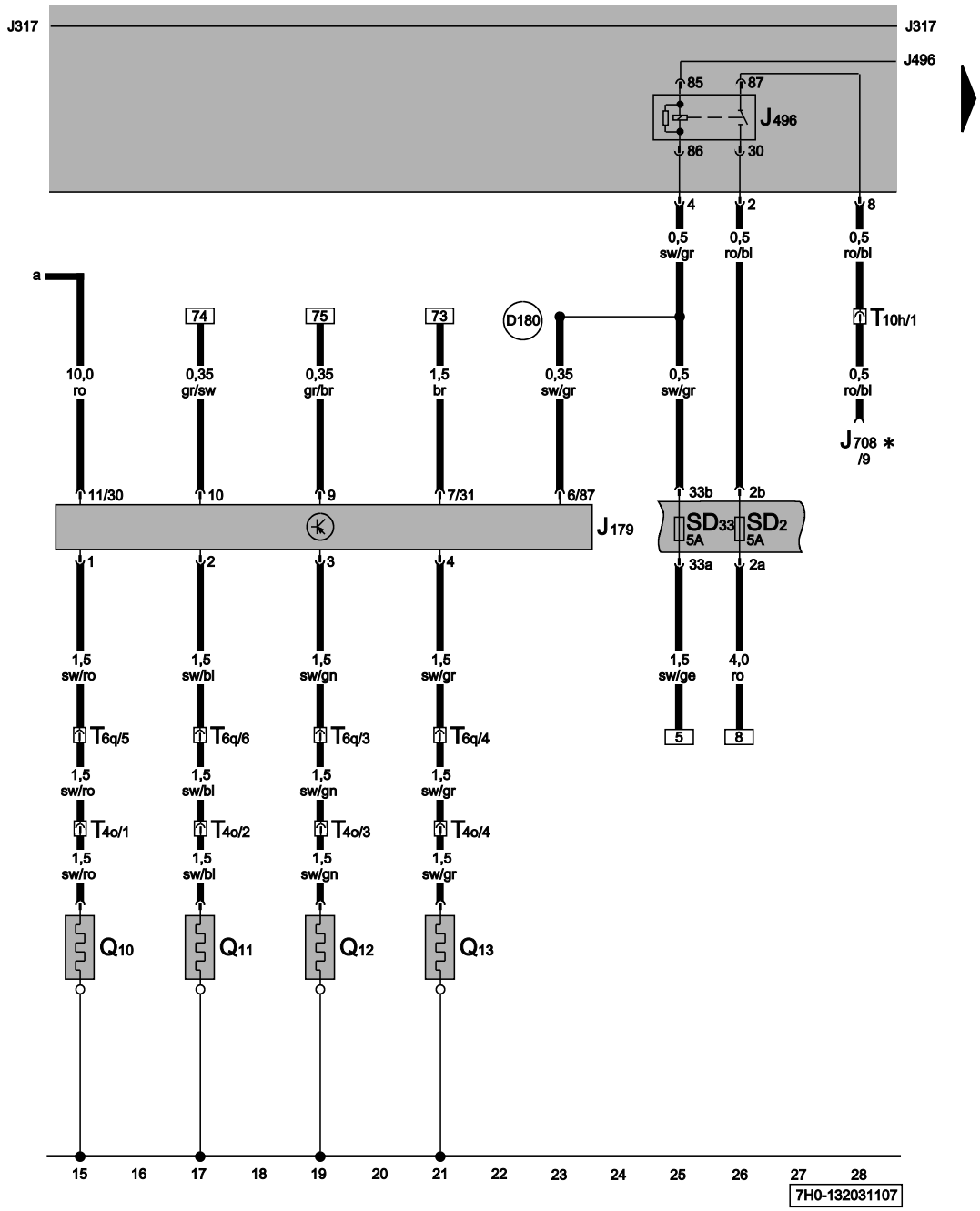
Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
SB23	Fuse 23 on fuse holder B
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	depends on equipment ⇒ Fitting Locations
**	applicable from June 2006
***	applicable from June 2007
****	⇒ electric interface Current Flow Diagram
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nal-	only
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or	=	orange
rs	=	pink

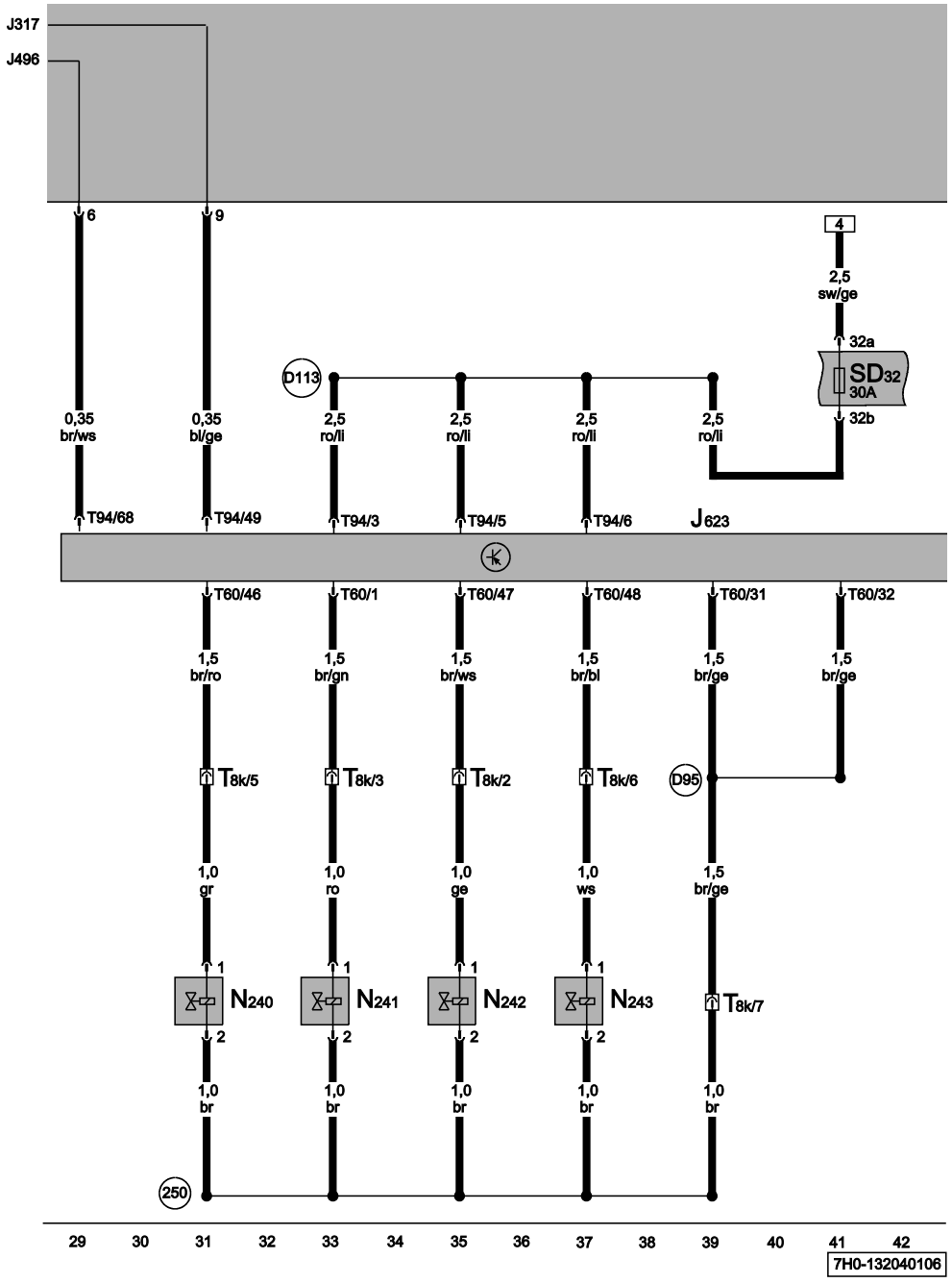
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Automatic glow period control unit, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

J179	Automatic glow period control unit
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T4o	4-pin connector, black, glow plug terminal link
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D180	Connection (87a), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram

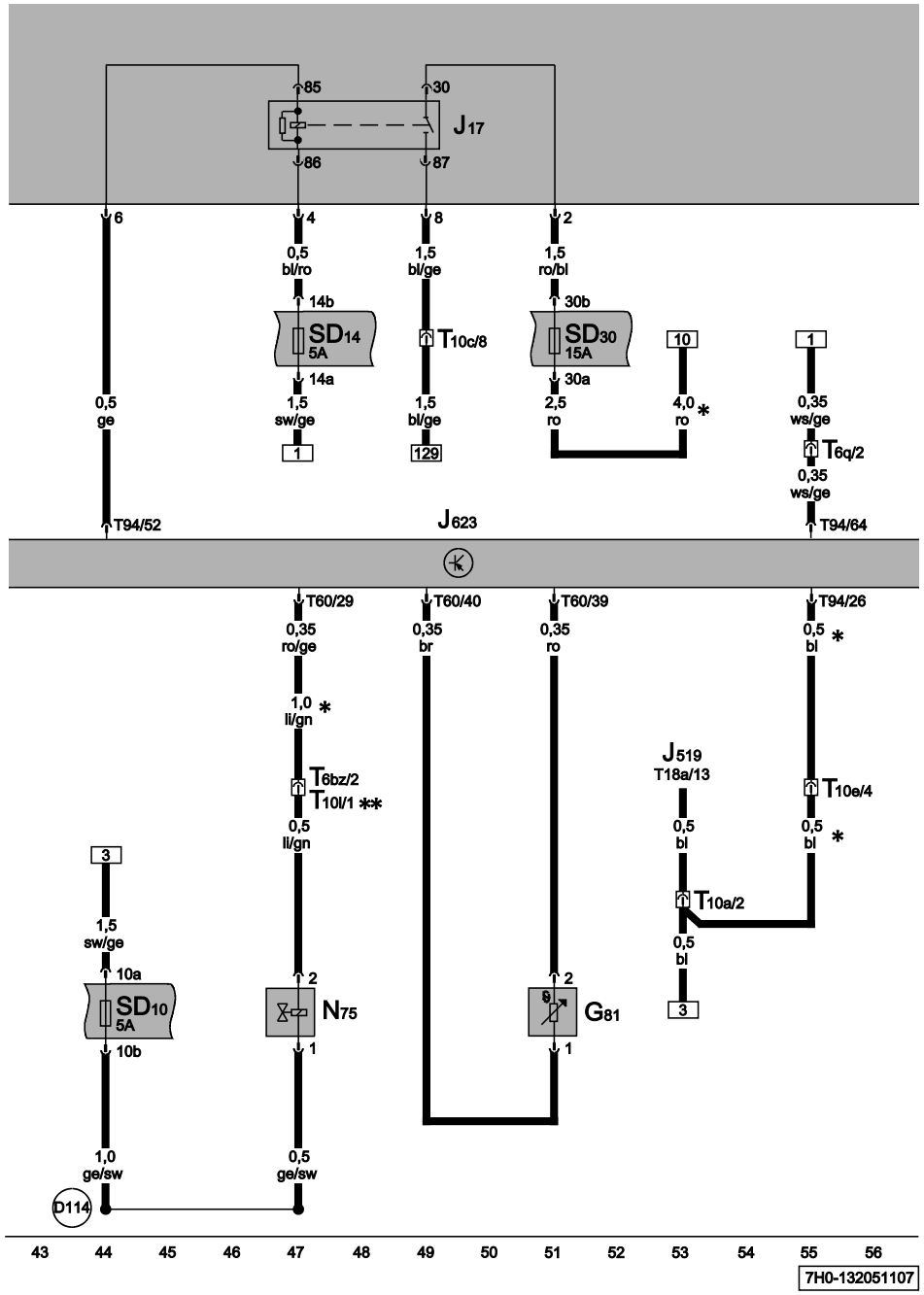
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gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder D
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

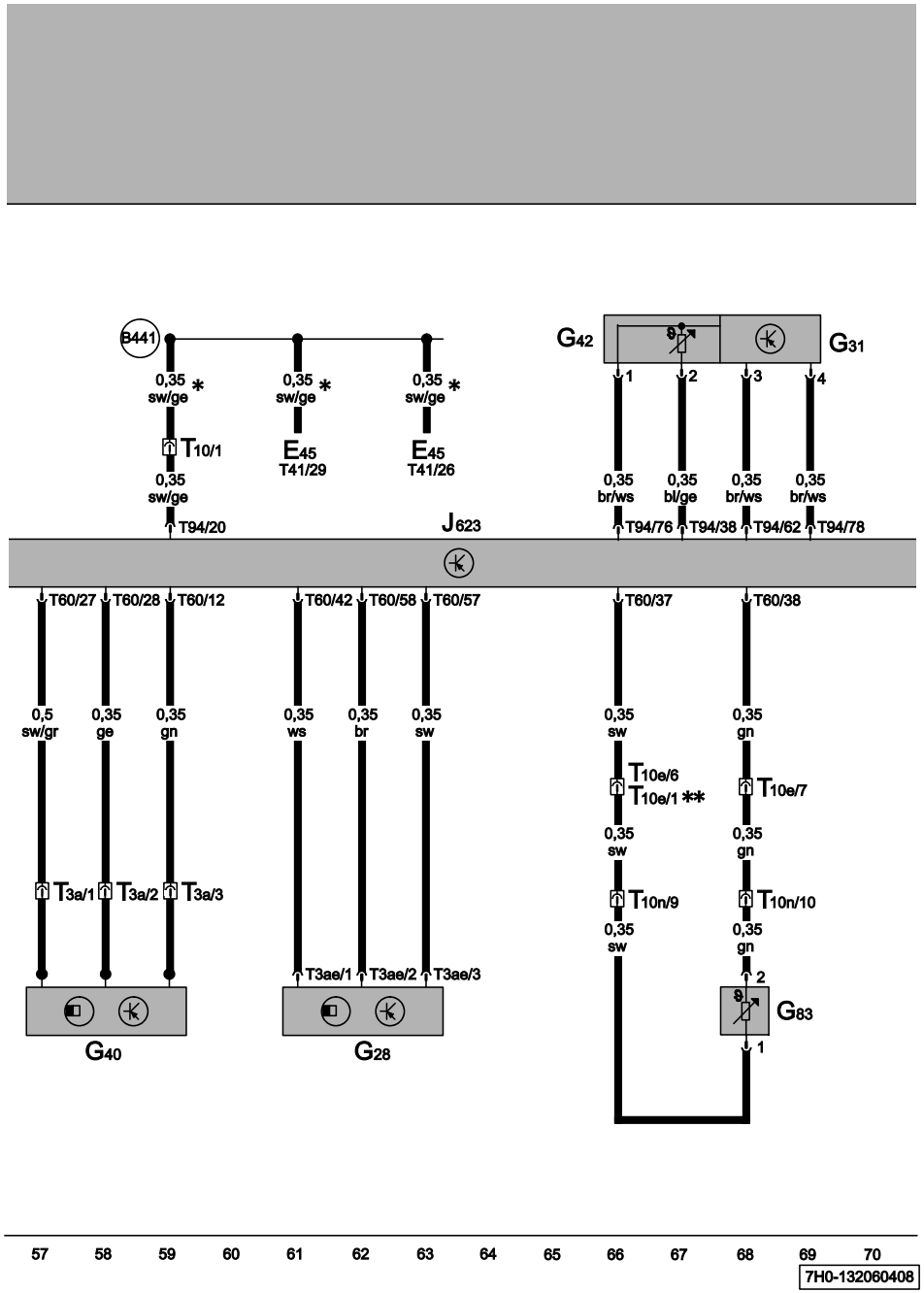
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ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel temperature sender, fuel pump relay, charge pressure control solenoid valve

G81	Fuel temperature sender
J17	Fuel pump relay
J519	Onboard supply control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2006
**	applicable from June 2007

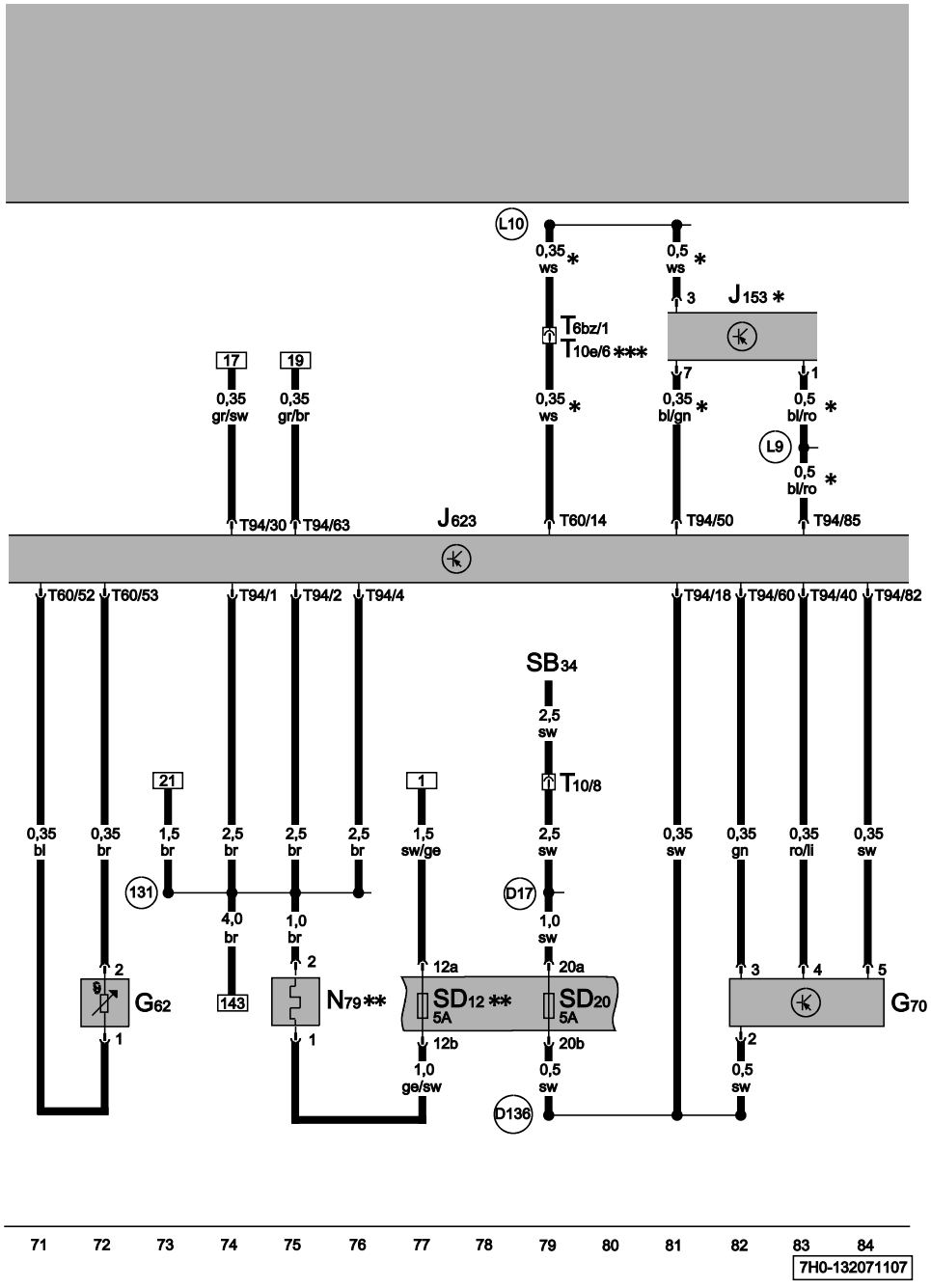
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or	=	orange
rs	=	pink



Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3ae	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
*	for models with cruise control system only
**	applicable from June 2007

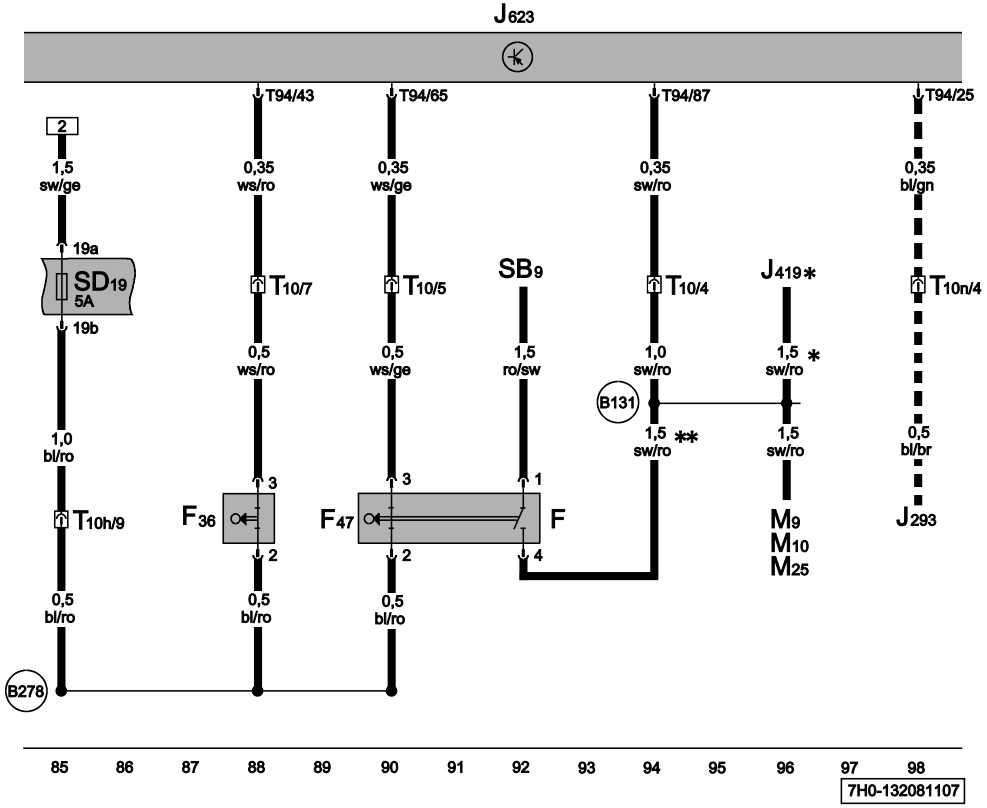
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rs	=	pink



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br = brown
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Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather, magnetic clutch control unit

G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	for models with heater element for crankcase breather only
***	applicable from June 2007

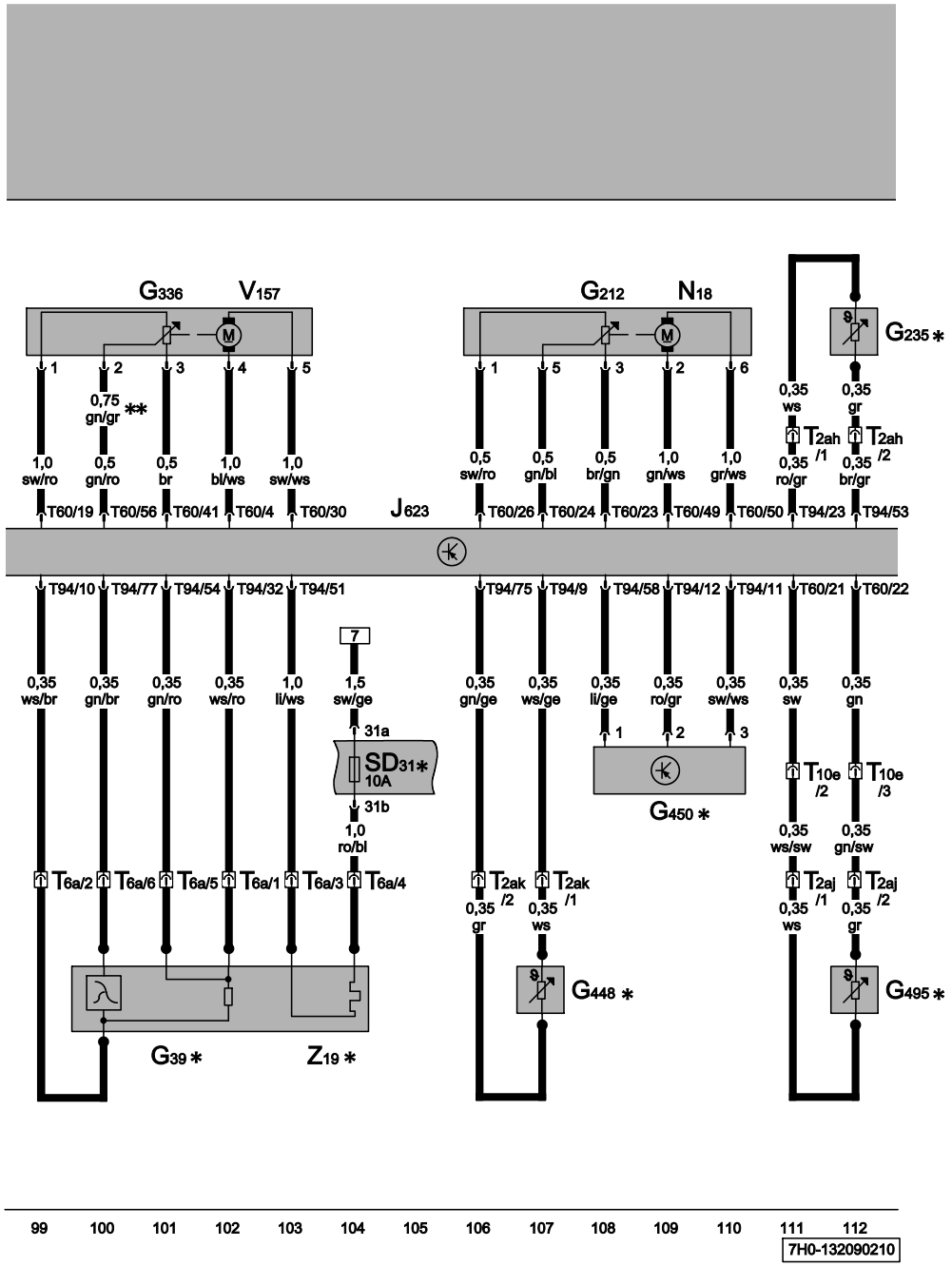


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
<fo:exter	for models with Climatronic/ air conditioning system only ⇒ Current Flow Diagram for radiator fan

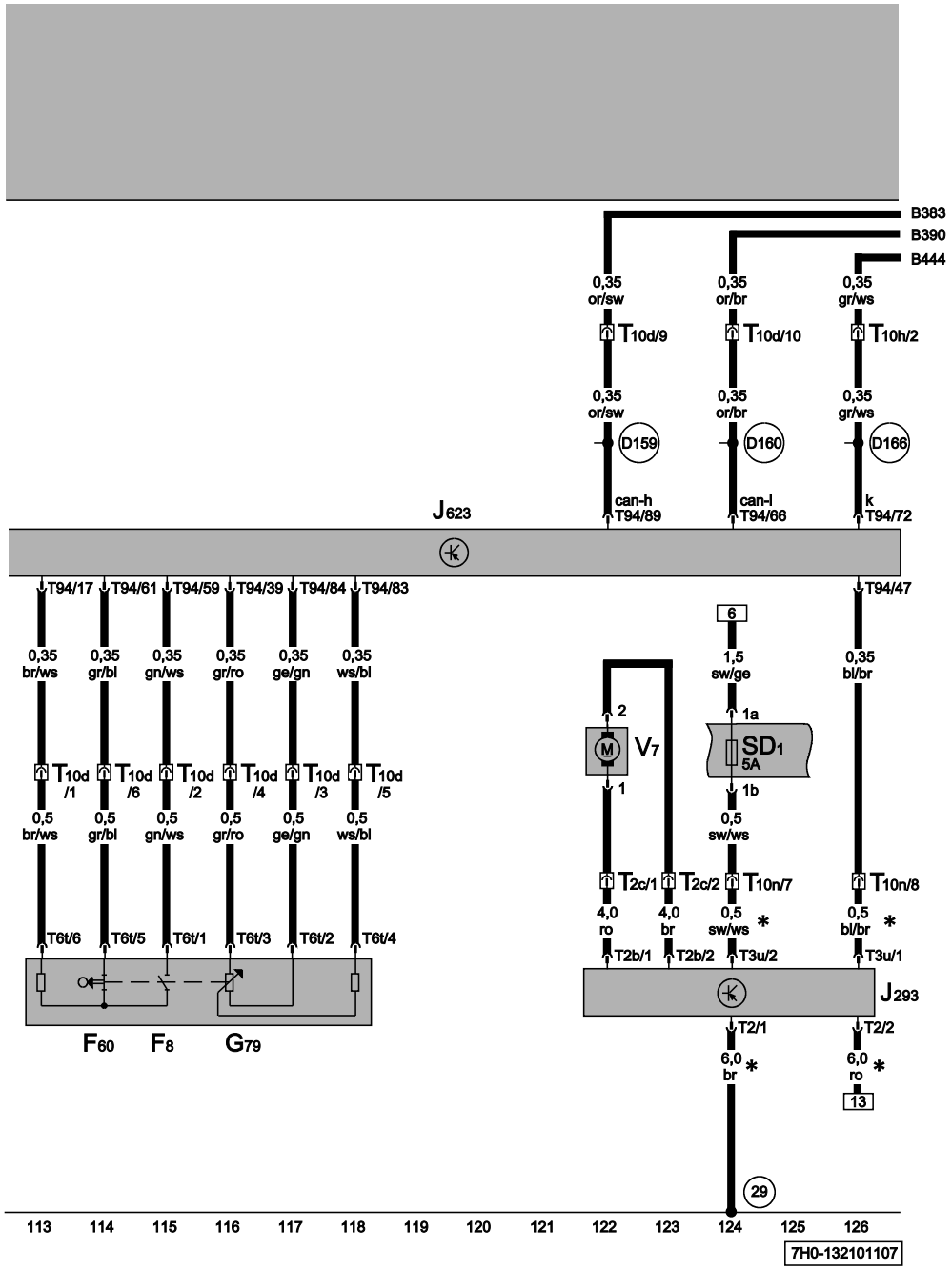
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Engine control unit, lambda probe, exhaust gas temperature sender, exhaust gas pressure sensor 1, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, intake manifold flap potentiometer, intake manifold flap motor

G39	Lambda probe
G212	Exhaust gas recirculation potentiometer
G235	Exhaust gas temperature sender 1
G336	Intake manifold flap potentiometer
G448	Exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G495	Exhaust gas temperature sender 3
J623	Engine control unit
N18	Exhaust gas recirculation valve
SD31	Fuse 31 on fuse holder D
T2ah	2-pin connector, black, centre in engine compartment
T2aj	2-pin connector, orange, centre in engine compartment
T2ak	2-pin connector, brown, centre in engine compartment
T6a	6-pin connector, black, centre in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V157	Intake manifold flap motor
Z19	Lambda probe heater
*	for models with particulate filter only

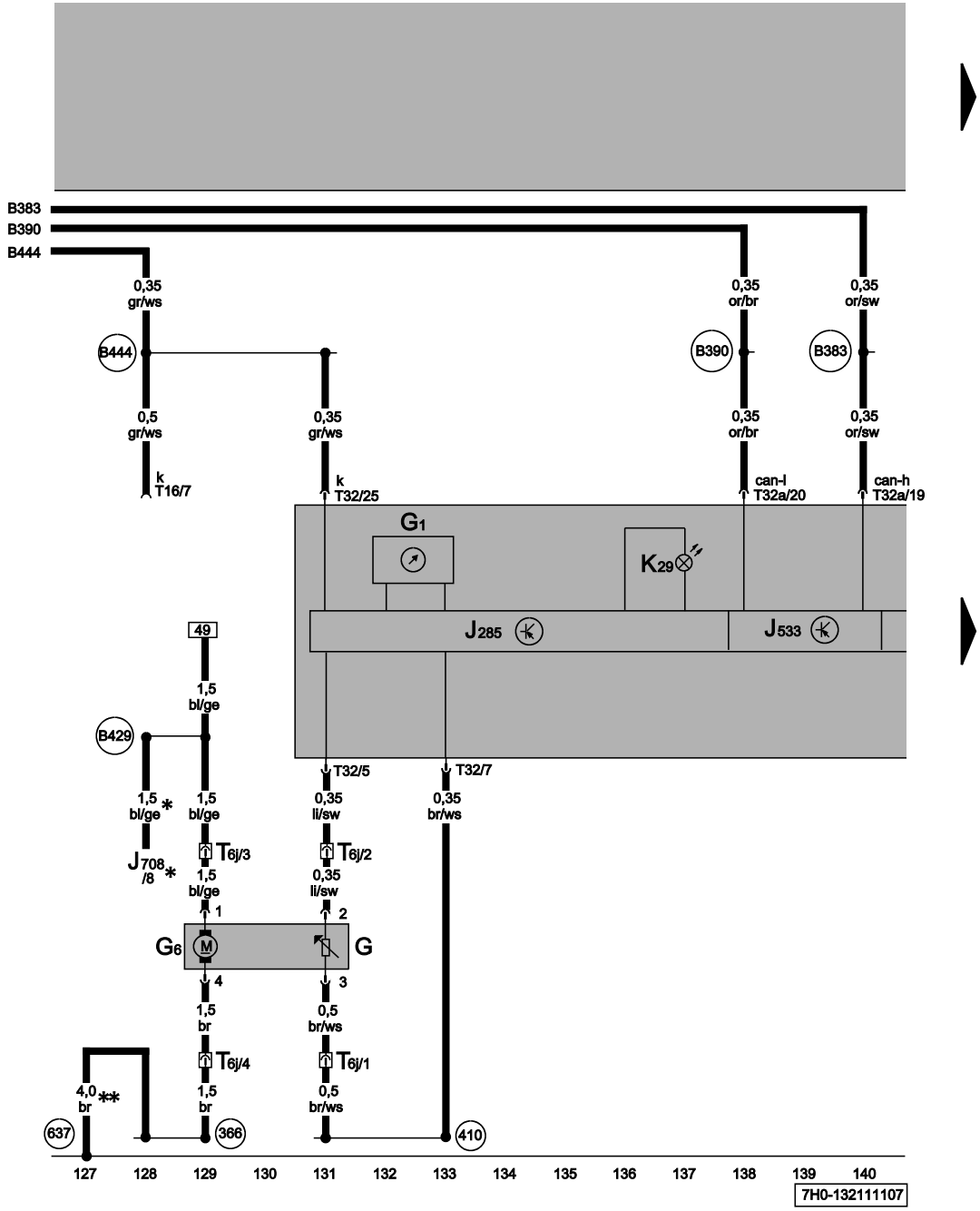
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or	=	orange
rs	=	pink



ws = white
sw = black
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ge = yellow
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rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



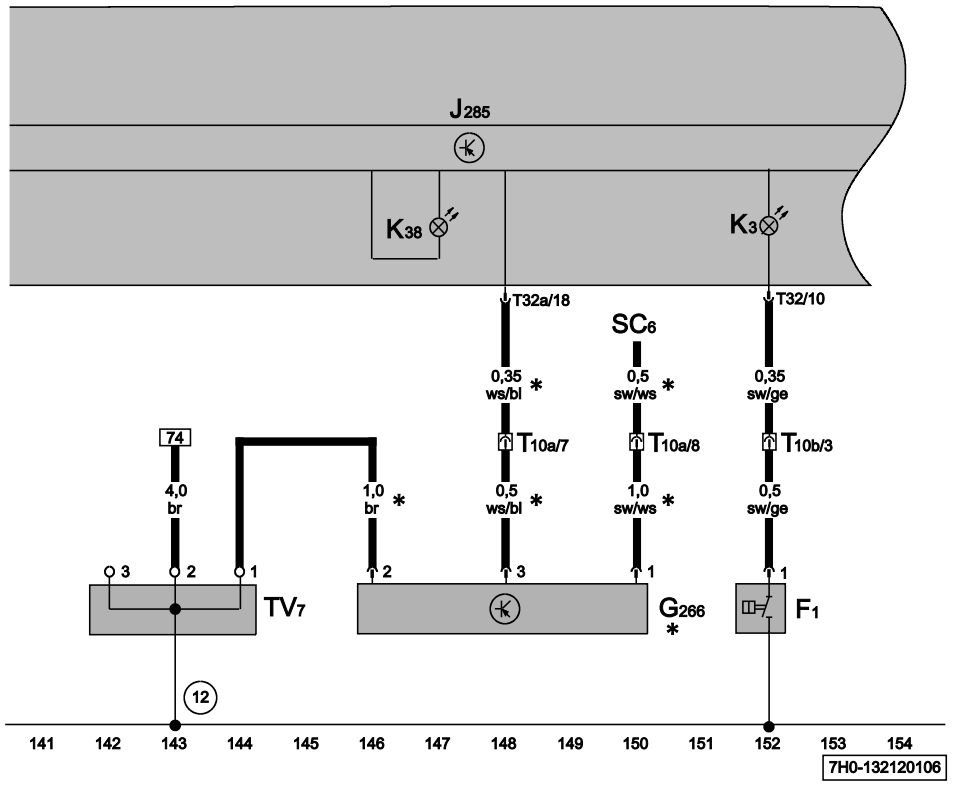
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li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, fuel gauge sender, fuel system pressurisation pump, warning lamp

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
*	for models with extended servicing intervals only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rotating light

from January 2005

Notes:

For information concerning

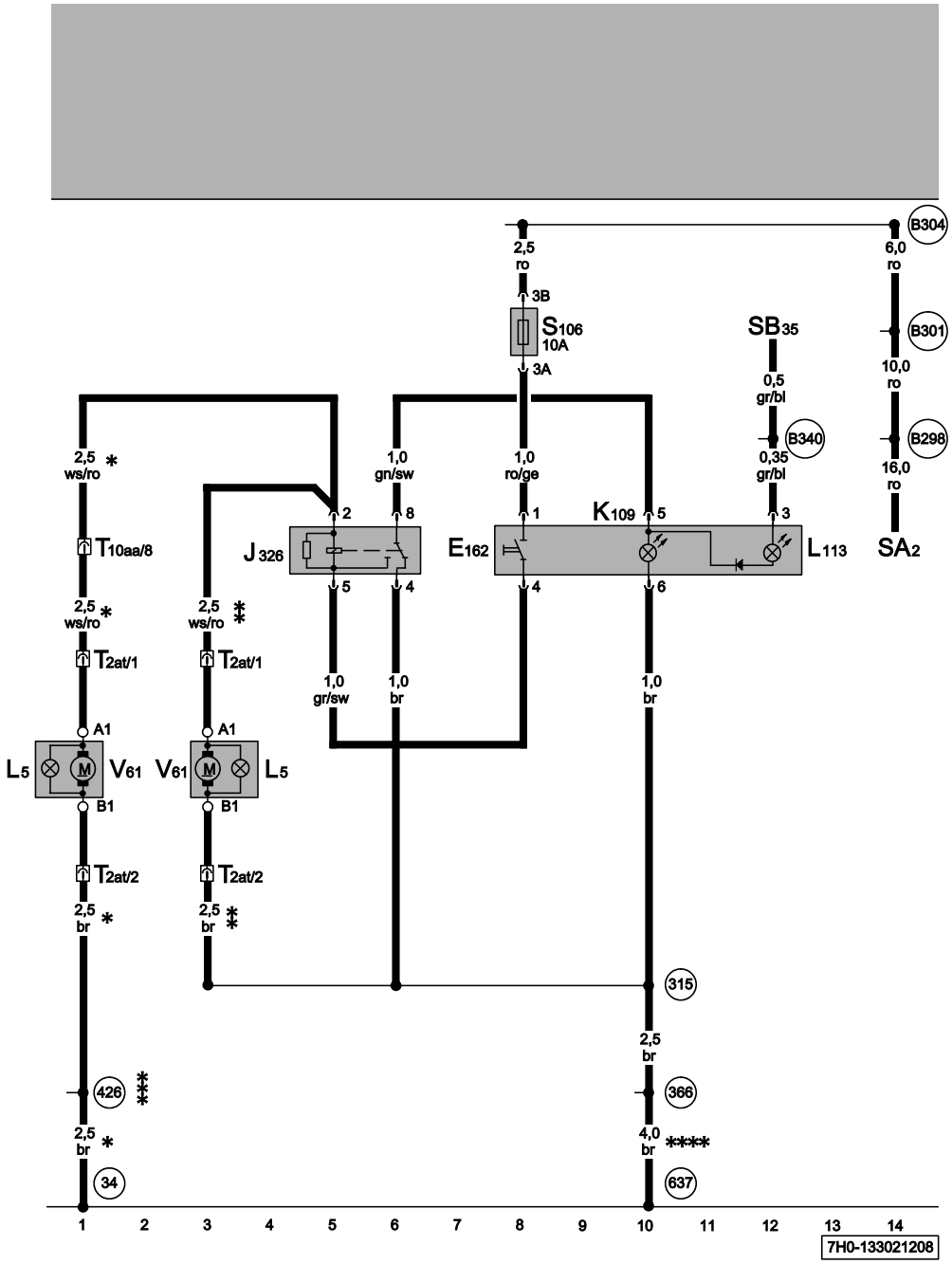
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white
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ro = red
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gn = green
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Rotating light switch, rotating light relay, rotating light bulb, rotating light motor

E162	Rotating light switch
J326	Rotating light relay
K109	Rotating light warning lamp
L5	Rotating light bulb
L113	Rotating light and siren switch illumination bulb
S106	Rotating light fuse
SA2	Fuse 2 on fuse holder A
SB35	Fuse 35 on fuse holder B
T2at	2-pin connector, black, near rotating light
T10aa	10-pin connector, dark brown, coupling station under driver seat
V61	Rotating light motor
34	Earth point, under driver seat
315	Earth connection, in rotating light wiring harness
366	Earth connection 1, in main wiring harness
426	Earth connection 3, in left rear end wiring harness
637	Earth point, airbag control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness

* for multivan, box-type delivery van and hybrid vehicle only
** for double cab and plank bed vehicles only
*** depends on equipment
**** Cross-section 6.0 possible

Parking aid (PDC)

from January 2006

Notes:

For information concerning

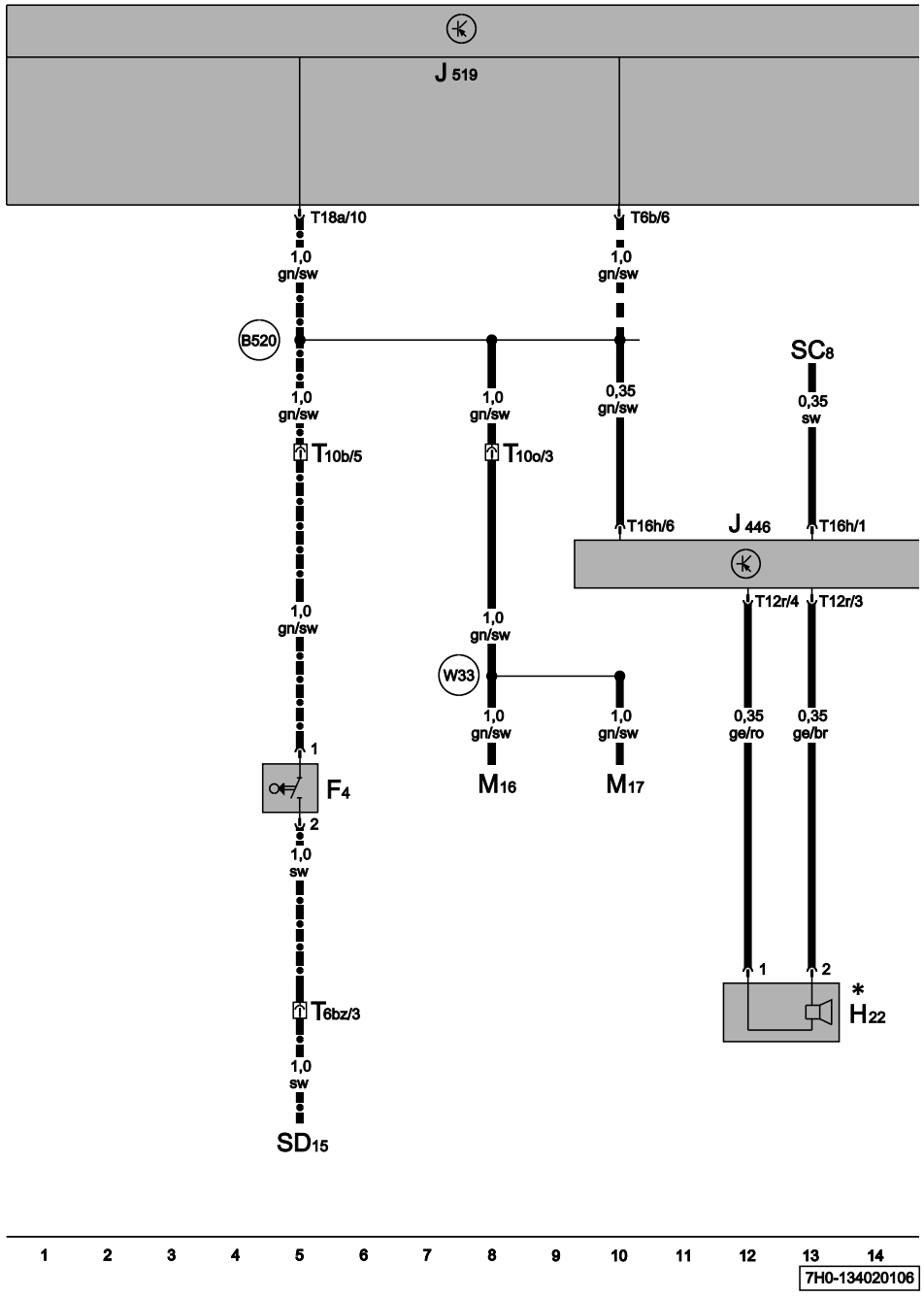
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Onboard supply control unit, parking aid control unit, reversing light switch, front parking aid warning buzzer, fuses

F4	Reversing light switch
H22	Front parking aid warning buzzer
J446	Parking aid control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC8	Fuse 8 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12r	12-pin connector, brown
T16h	16-pin connector, brown
T18a	18-pin connector, brown
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with parking aid front and rear only

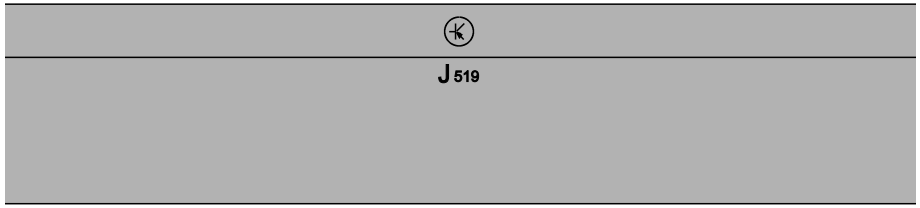
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for models with manual gearbox only

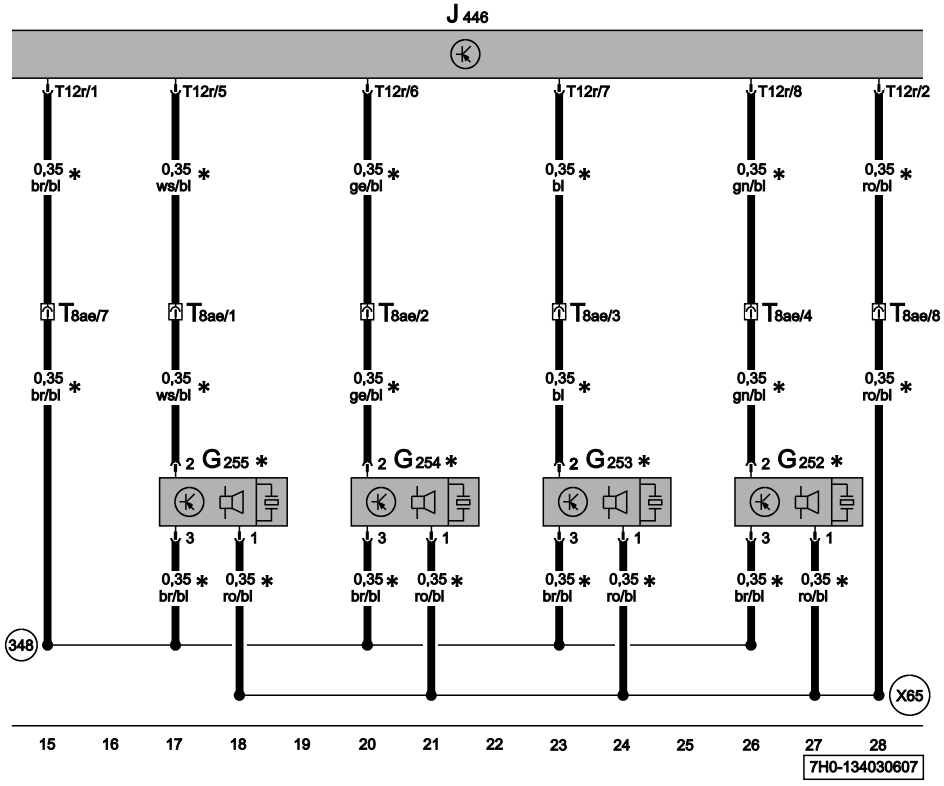
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for models with automatic gearbox only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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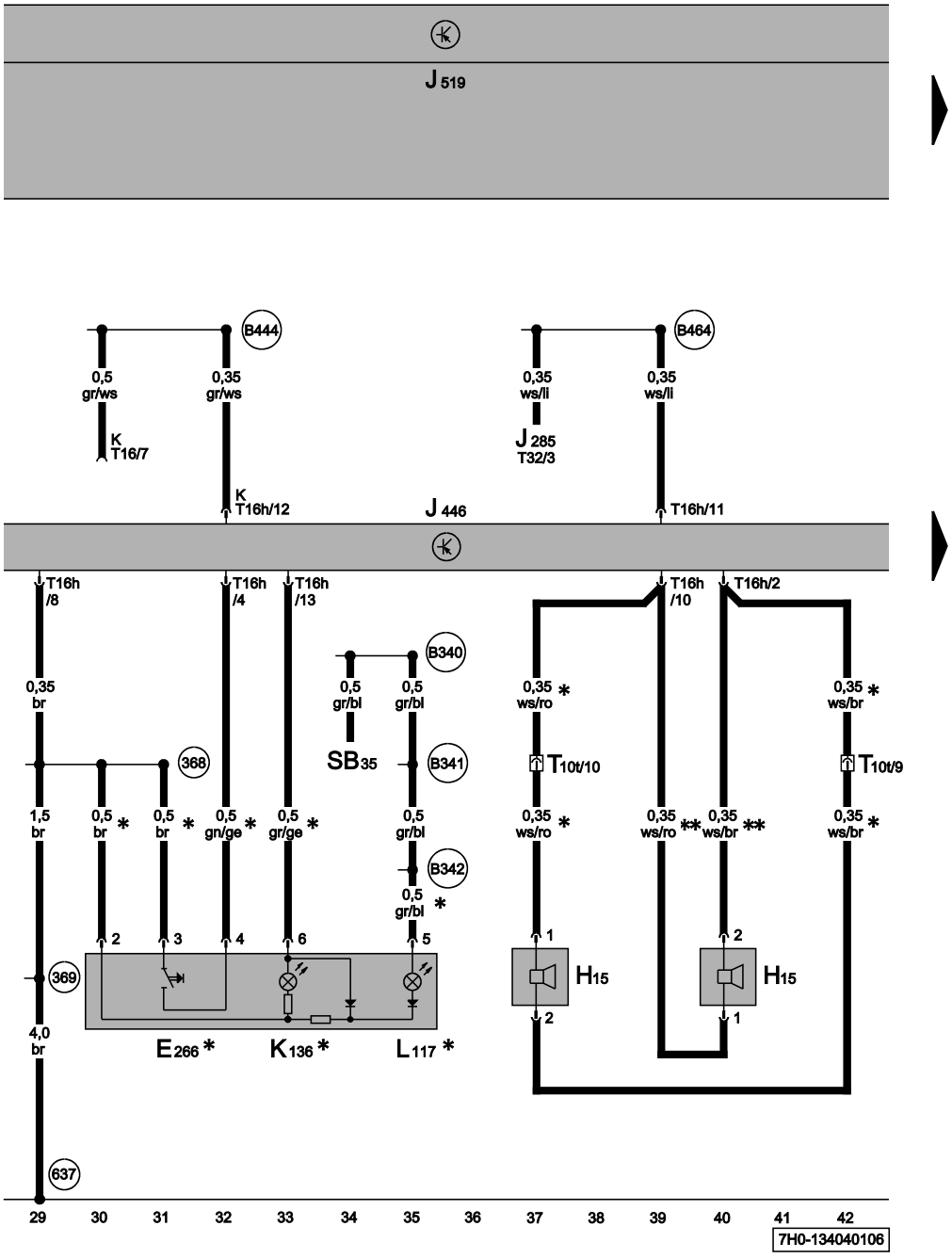




Parking aid control unit, front parking aid sender

G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T8ae	8-pin connector, black, near headlight, front right
T12r	12-pin connector, brown
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
*	for models with parking aid front and rear only

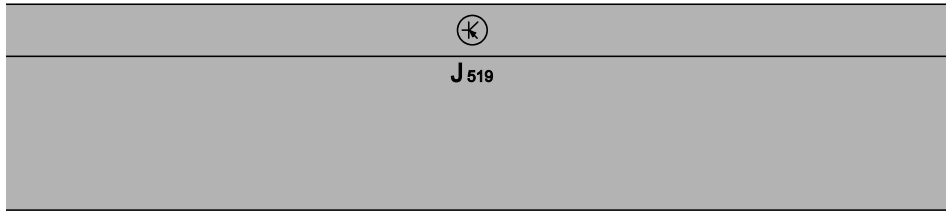
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li	=	purple
ge	=	yellow
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rs = pink

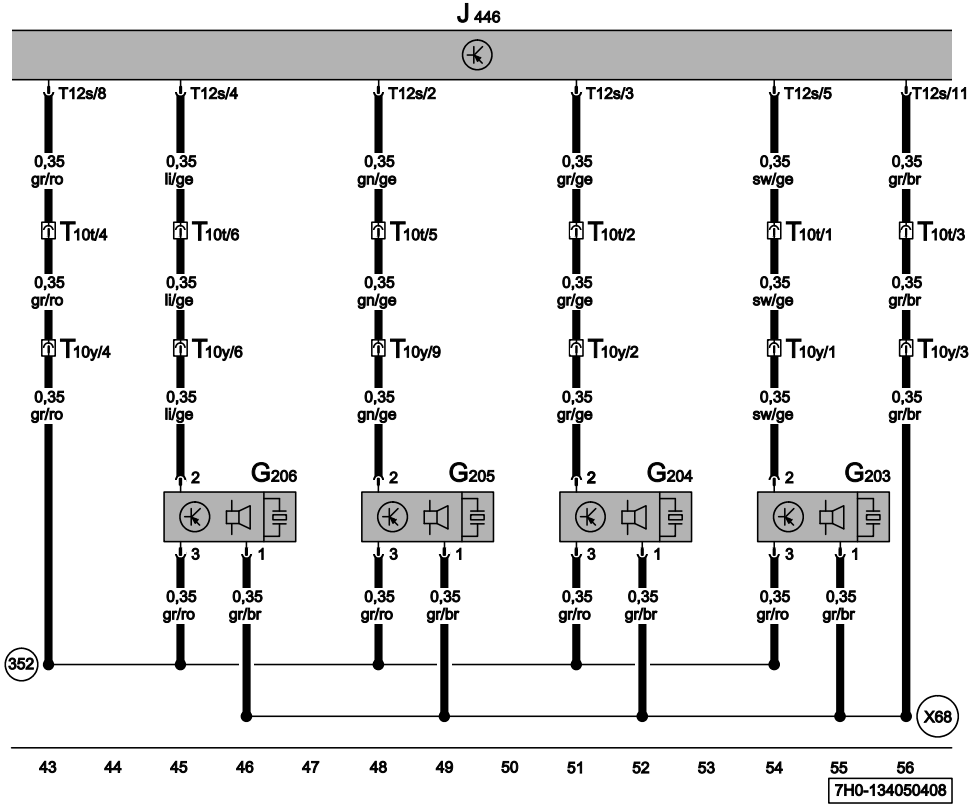
Parking aid control unit, parking aid button, parking aid warning buzzer, diagnostic connector

E266	Parking aid button
H15	Rear parking aid warning buzzer
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
K136	Parking aid warning lamp
L117	Parking aid switch illumination bulb
SB35	Fuse 35 on fuse holder B
T10t	10-pin connector, black, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T16h	16-pin connector, brown
T32	32-pin connector, blue
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with parking aid front and rear only
**	for models with rear parking aid only

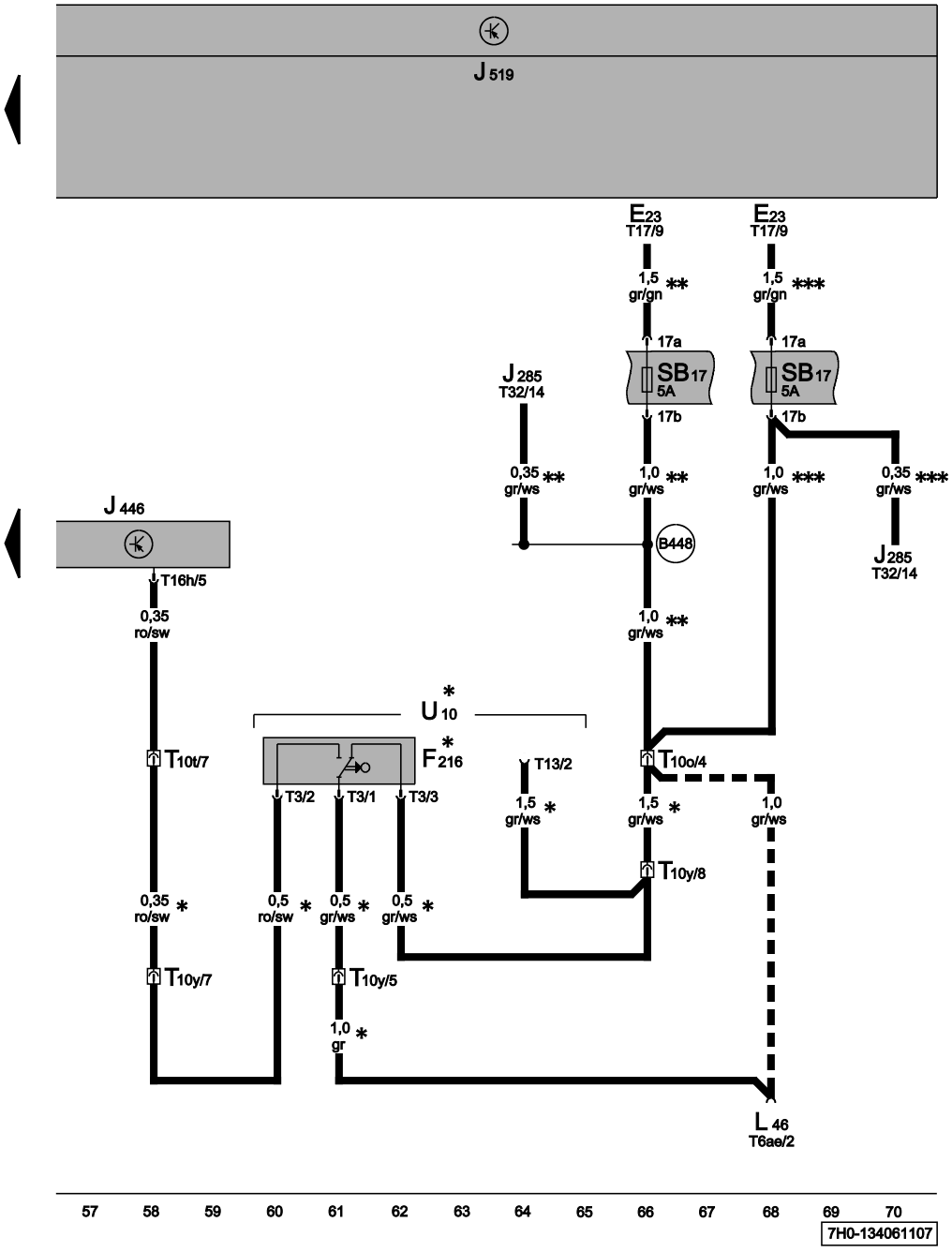


Parking aid control unit, rear parking aid sender

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T10t	10-pin connector, black, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T12s	12-pin connector, black
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Connection (parking aid), in rear bumper wiring harness



ws	=	white
sw	=	black
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gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink



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Parking aid control unit, rear fog light cut-out contact switch, trailer socket, rear left fog light bulb

E23	Front and rear fog light switch
F216	Rear fog light cut-out contact switch
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
L46	Rear left fog light bulb
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
T17	17-pin connector
T32	32-pin connector, blue
U10	Trailer socket
B448	Connection (rear fog light), in main wiring harness
*	for models with trailer operation only
**	applicable up to May 2006
***	applicable from June 2006

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>
for models without trailer operation only

Trailer operation

from January 2006

Notes:

For information concerning

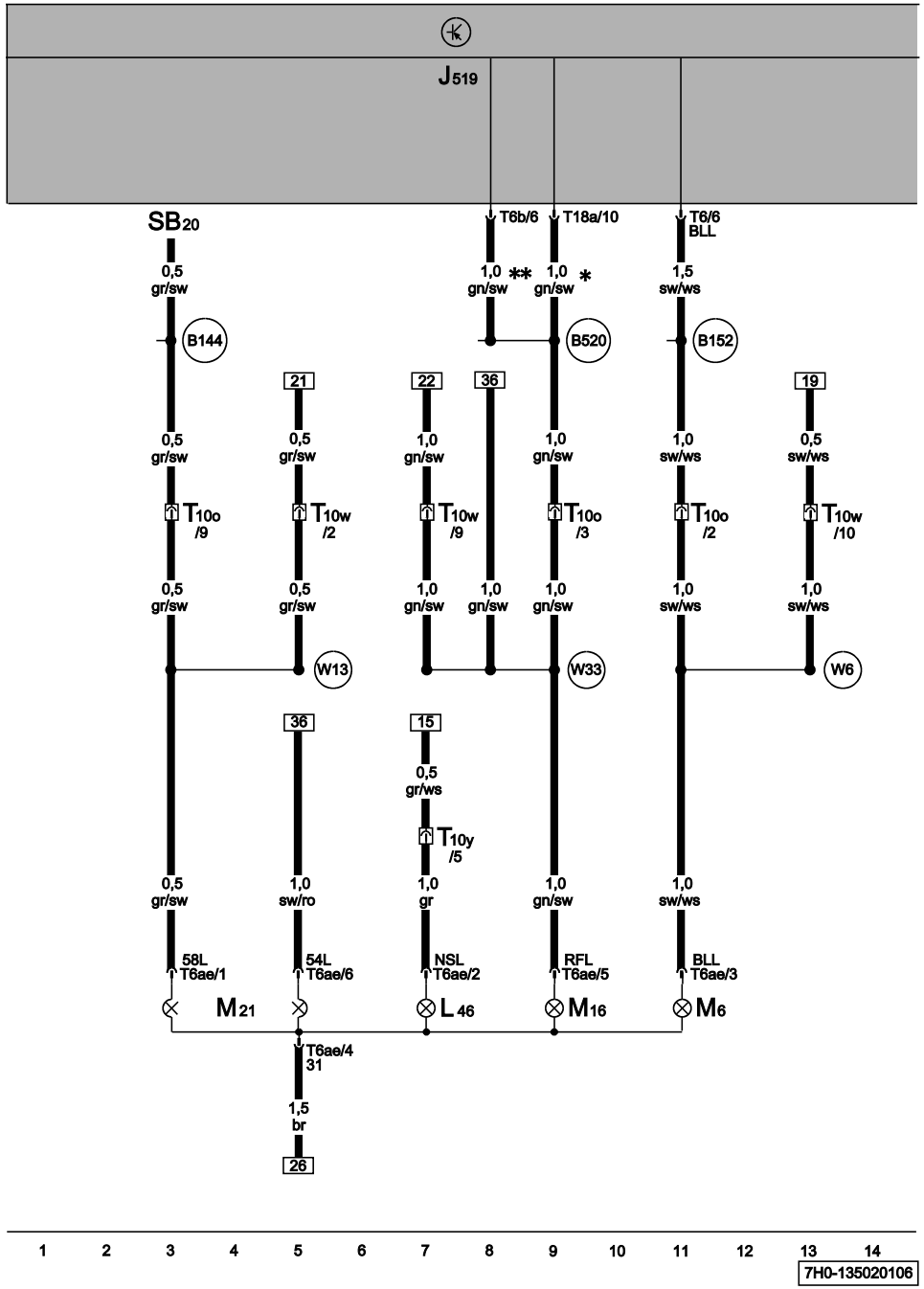
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

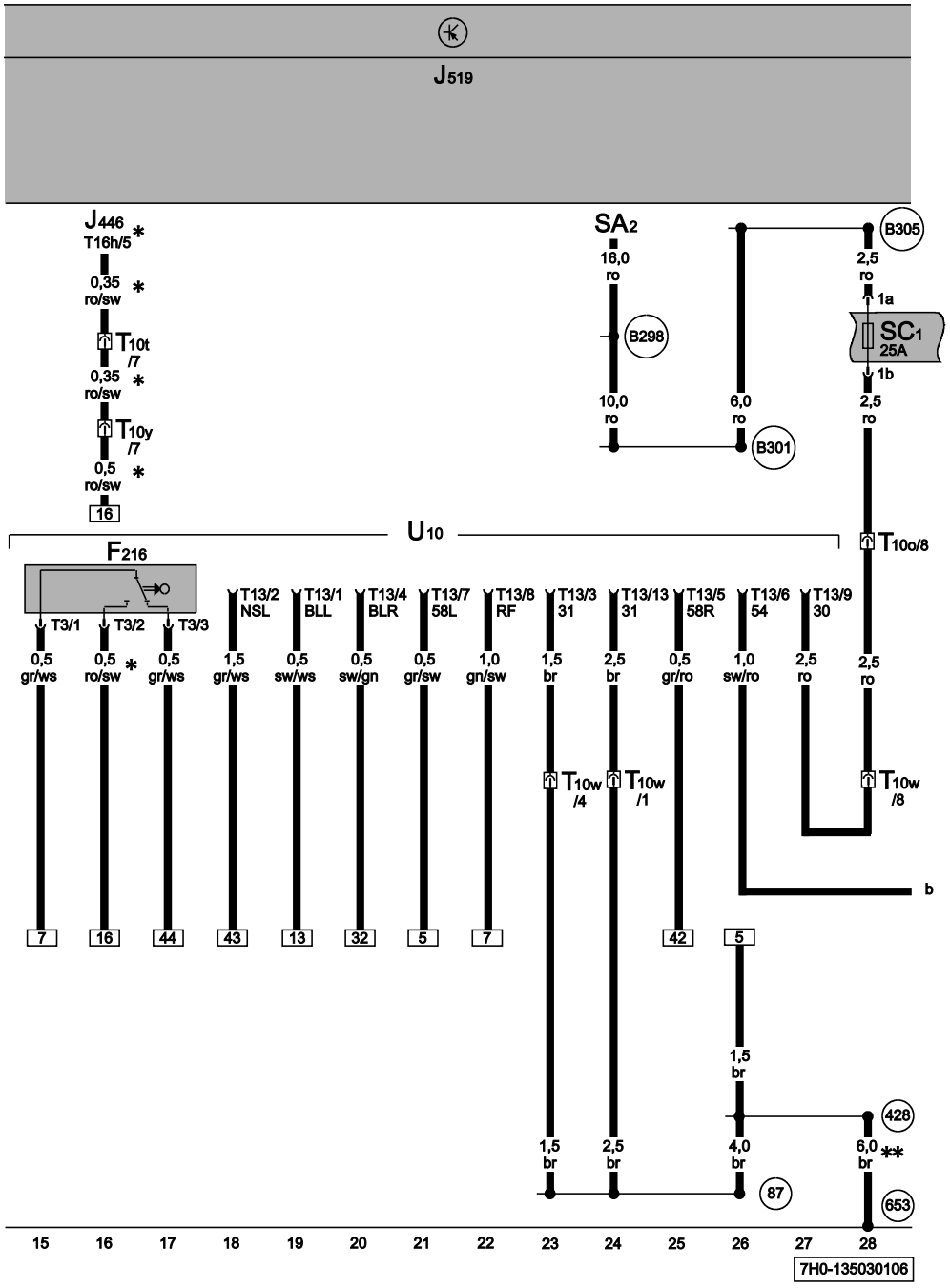
⇒ guided fault finding



ws = white
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li = purple
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rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

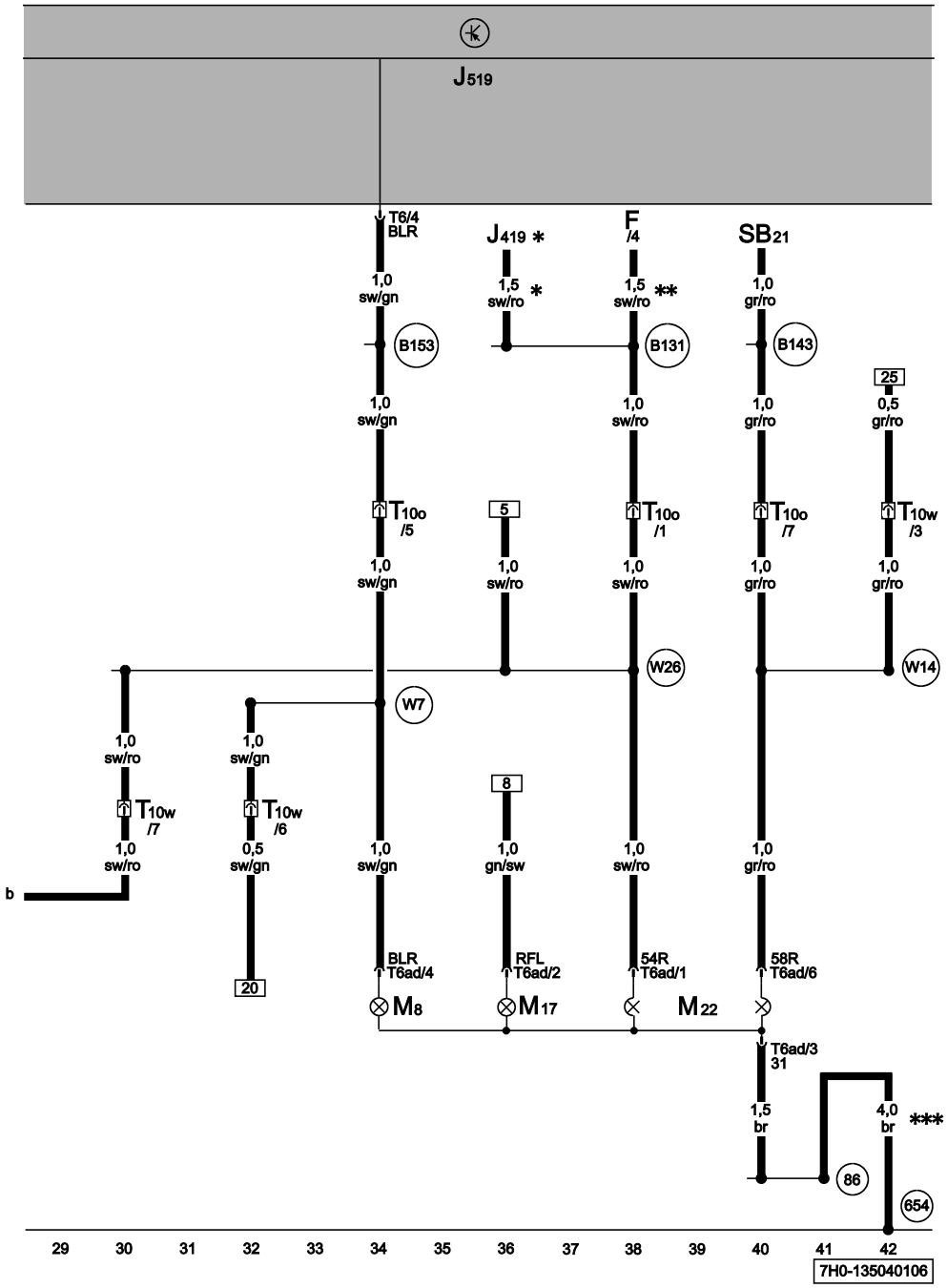
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T18a	18-pin connector, brown
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only, signal output



ws = white
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Trailer socket, rear fog light cut-out contact switch

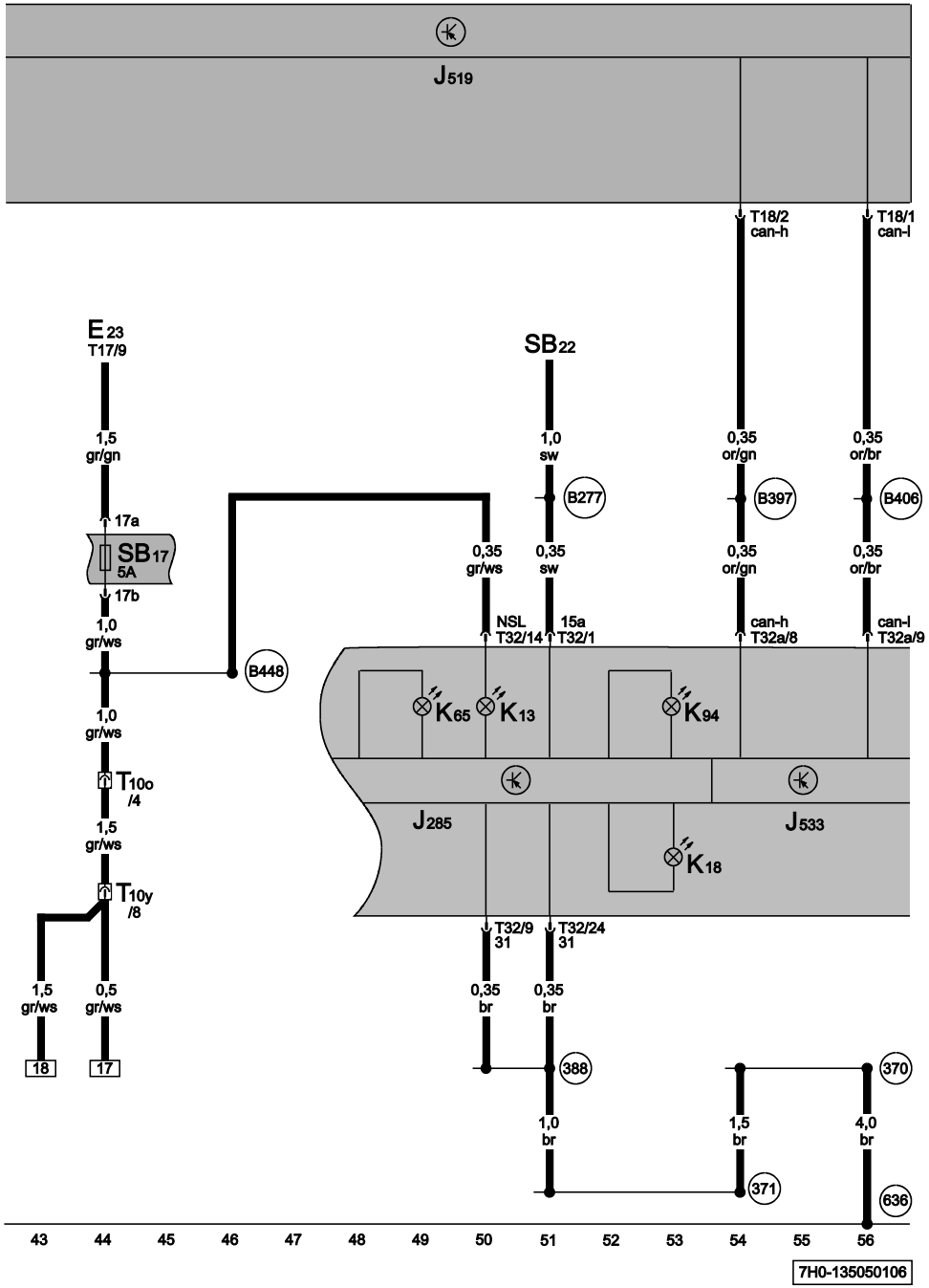
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with parking aid only
**	cross section are equipment dependant



ws = white
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ro = red
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rs = pink

Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only, ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	cross section are equipment dependant



ws = white
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Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B448	Connection (rear fog light), in main wiring harness

Tail lights - plank bed

⇒ **Trailer operation**

from January 2006

Notes:

For information concerning

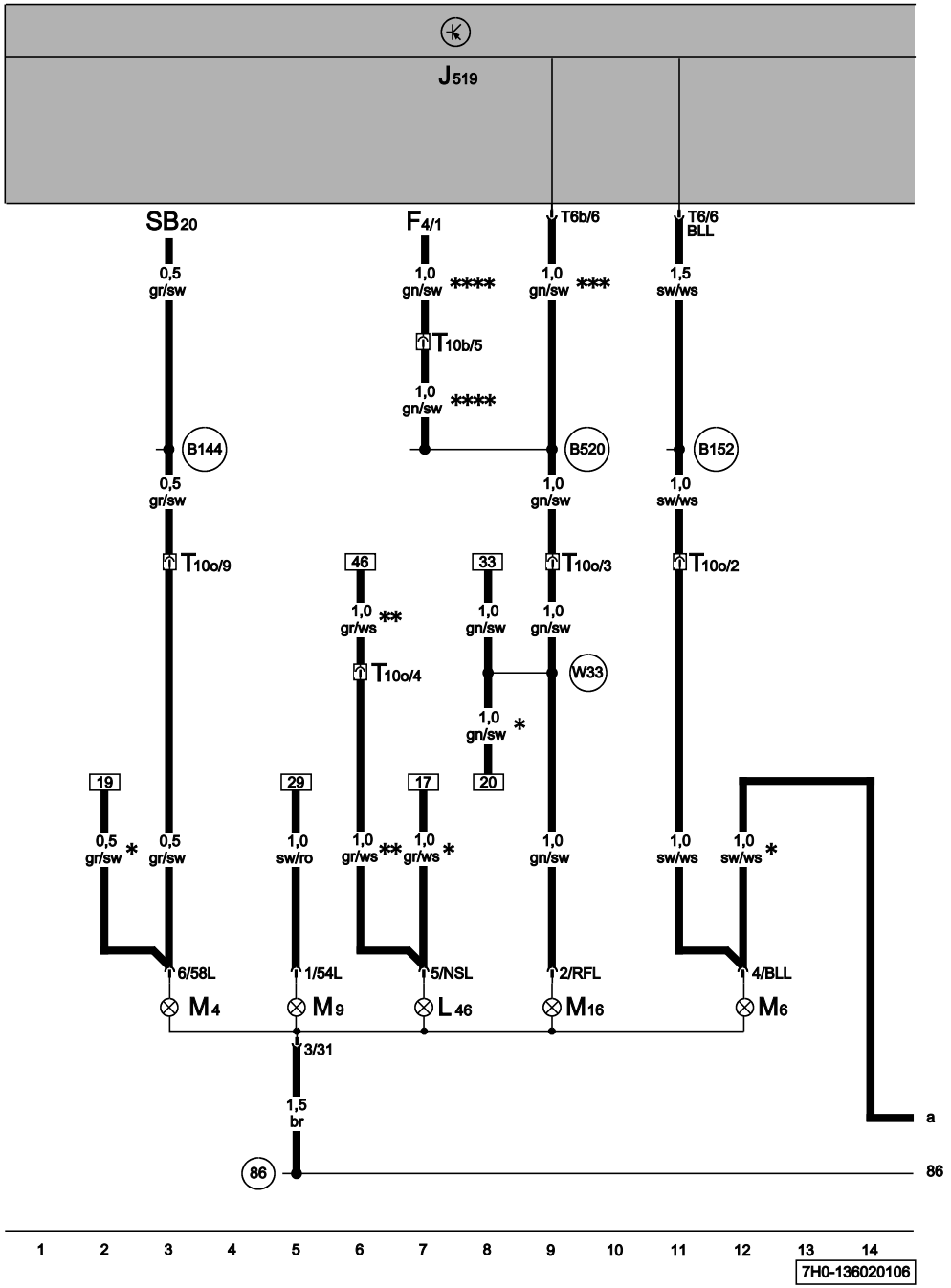
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

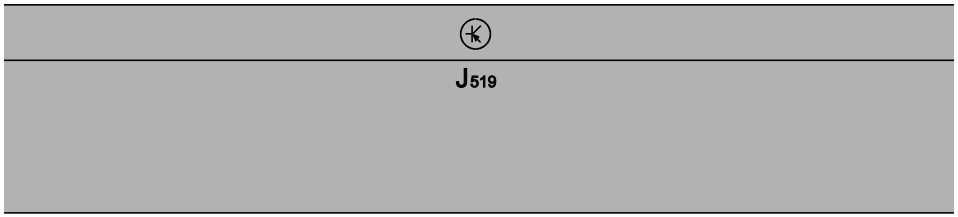
⇒ guided fault finding

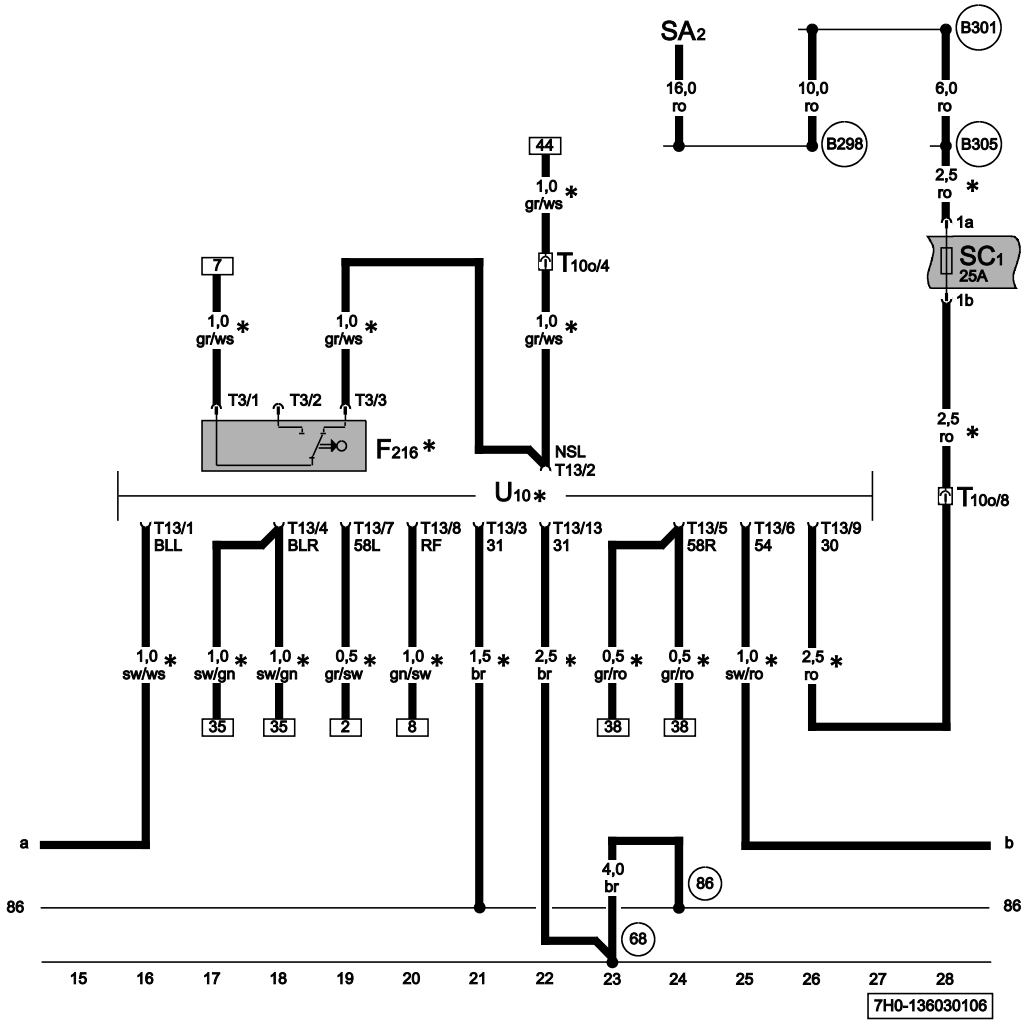


ws = white
sw = black
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gr = grey
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or = orange
rs = pink

Onboard supply control unit, left tail light bulb, rear left fog light bulb, left brake light bulb, left reversing light bulb

F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	models with automatic gearbox only
****	for models with manual gearbox only

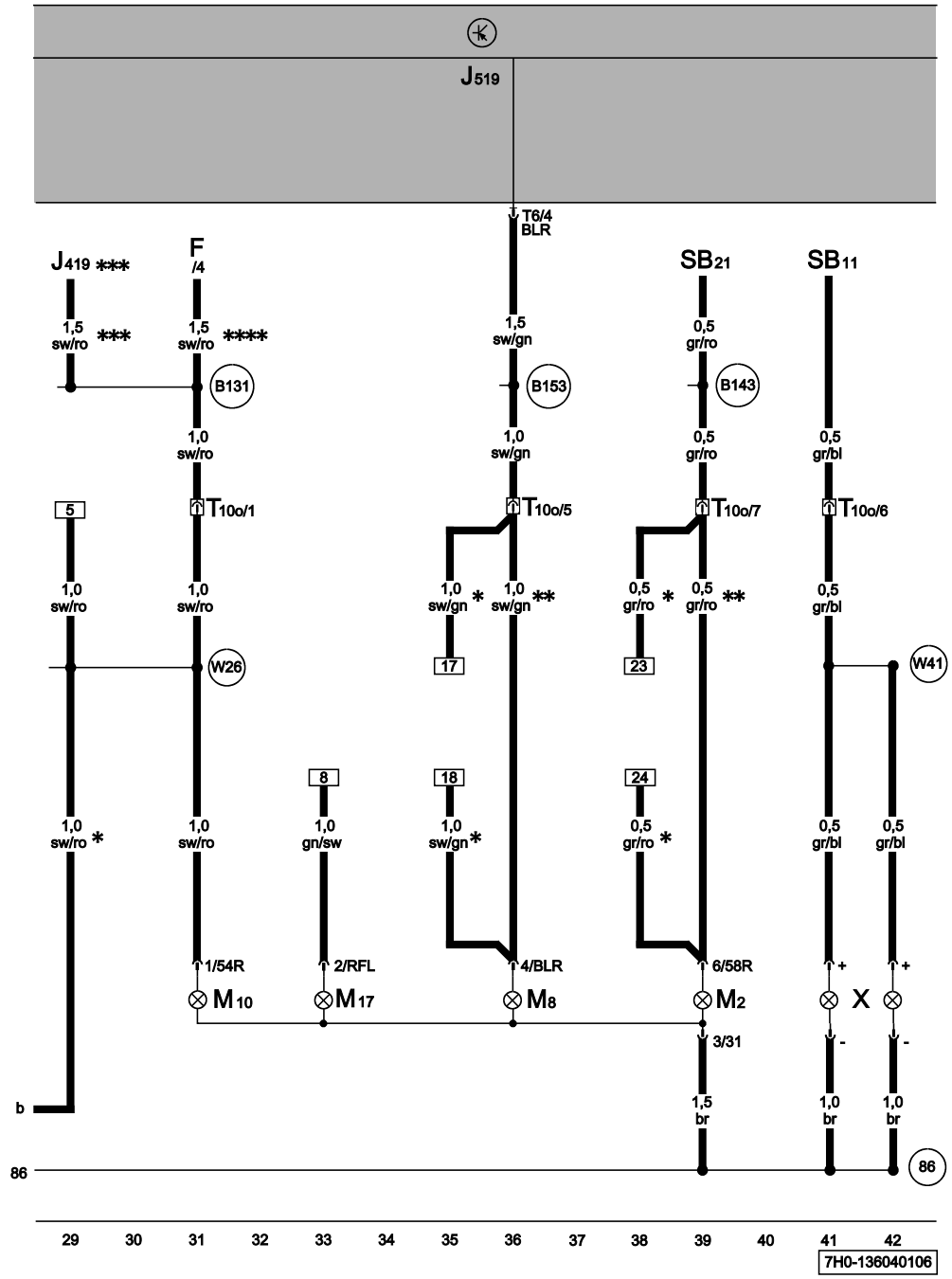




ws = white
sw = black
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br = brown
gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Onboard supply control unit, trailer socket, rear fog light cut-out contact switch

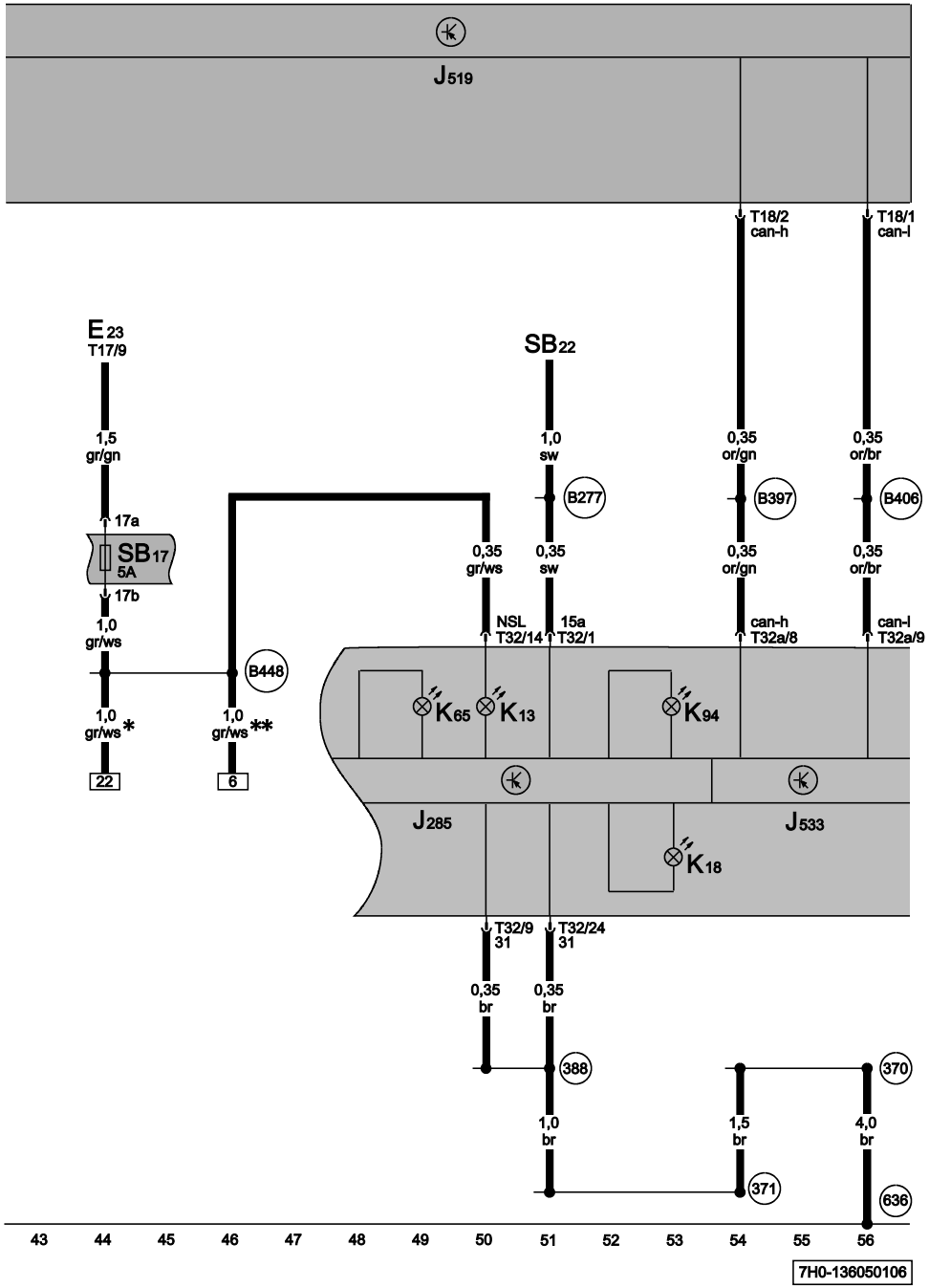
F216	Rear fog light cut-out contact switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
U10	Trailer socket
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with trailer socket only



ws = white
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, right tail light bulb, right brake light bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
SB11	Fuse 11 on fuse holder B
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T10o	10-pin connector, light-green, coupling station under driver seat
X	Number plate light
86	Earth connection 1, in rear wiring harness
B131	Connection (54), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with ESP only, ⇒ ABS Current Flow Diagram
****	for models without ESP only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B448	Connection (rear fog light), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

Multifunction display (4LF/4LL)

from January 2006

Notes:

For information concerning

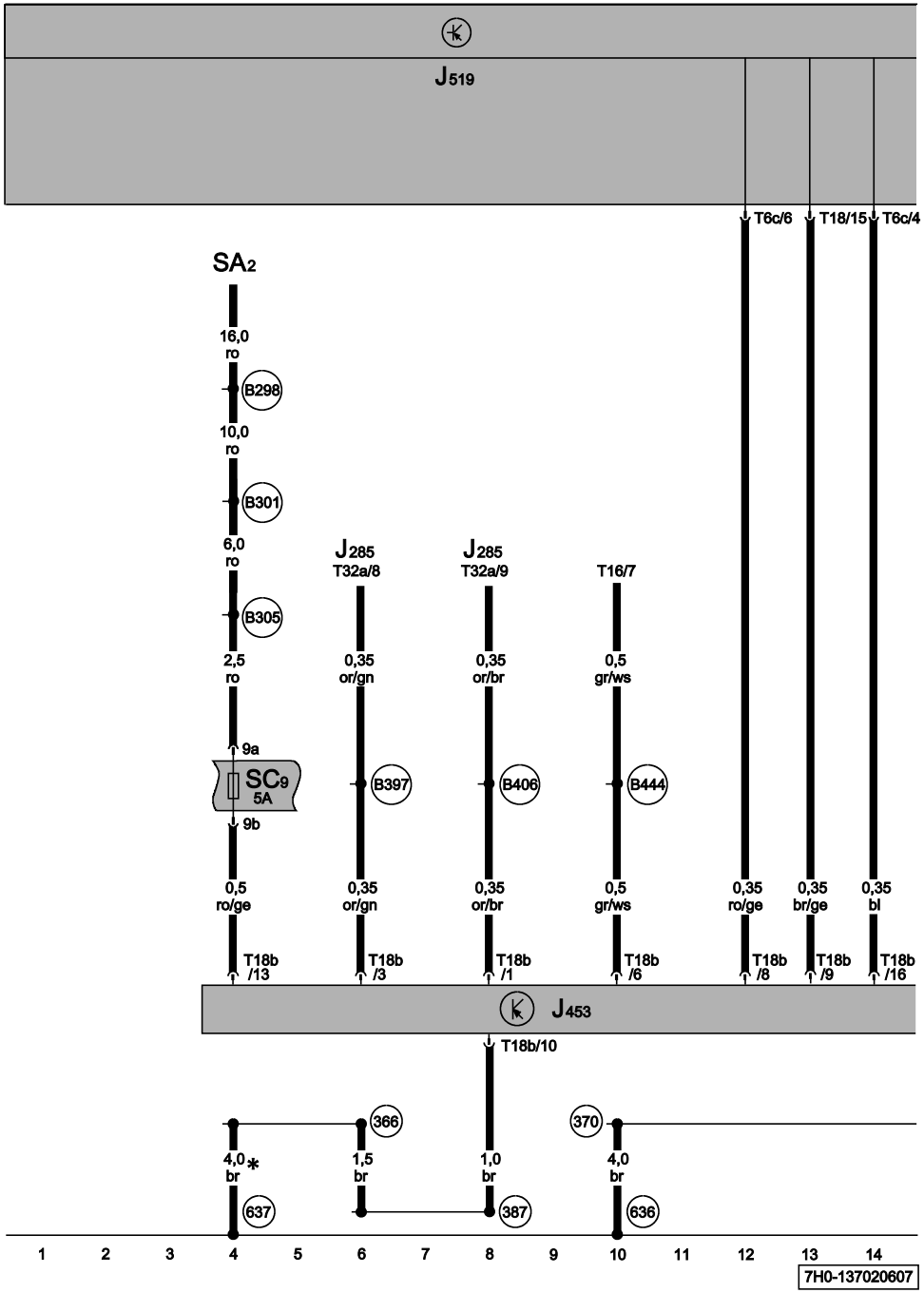
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

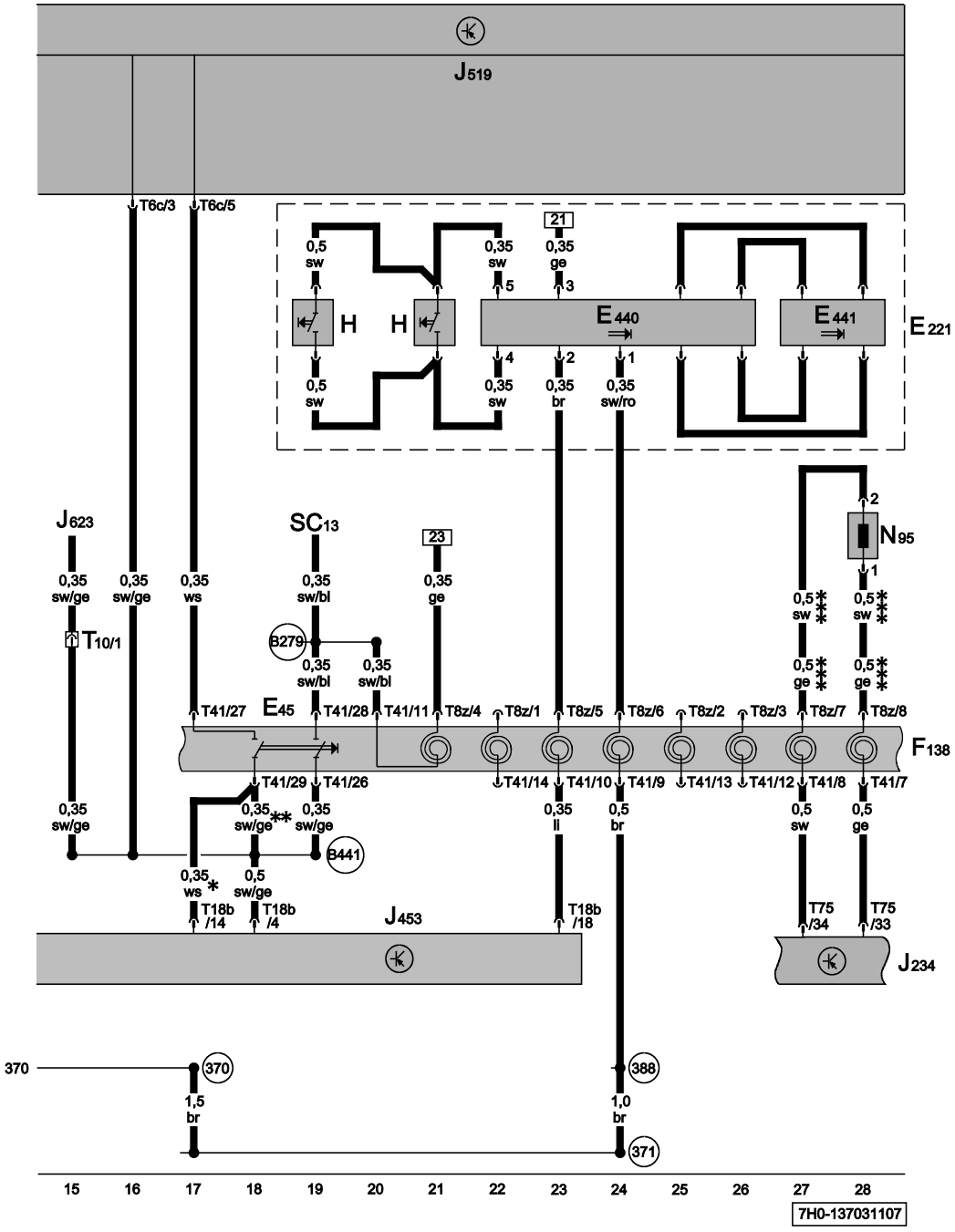
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, multifunction steering wheel control unit

J285	Control unit in dash panel insert
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC9	Fuse 9 on fuse holder C
T6c	6-pin connector, black
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18b	18-pin connector, black
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
387	Earth connection 22, in main wiring harness
636	Earth point, onboard supply control unit
637	Earth point, airbag control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	Cross-section 6.0 possible



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bl = blue
gr = grey
li = purple
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Onboard supply control unit, multifunction steering wheel control unit, operating unit in steering wheel

E45	Cruise control system switch
E221	Operating unit in steering wheel
E440	Multifunction buttons on left in steering wheel
E441	Multifunction buttons on right in steering wheel
F138	Airbag coil connector and return spring with slip ring
H	Horn plate
J234	Airbag control unit
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
J623	Engine control unit
N95	Driver side airbag igniter
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T8z	8-connector, yellow, in steering wheel
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18b	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B441	Connection (CCS), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	for models with operating unit in steering wheel for radio CCS and telephone only
***	Depends on equipment

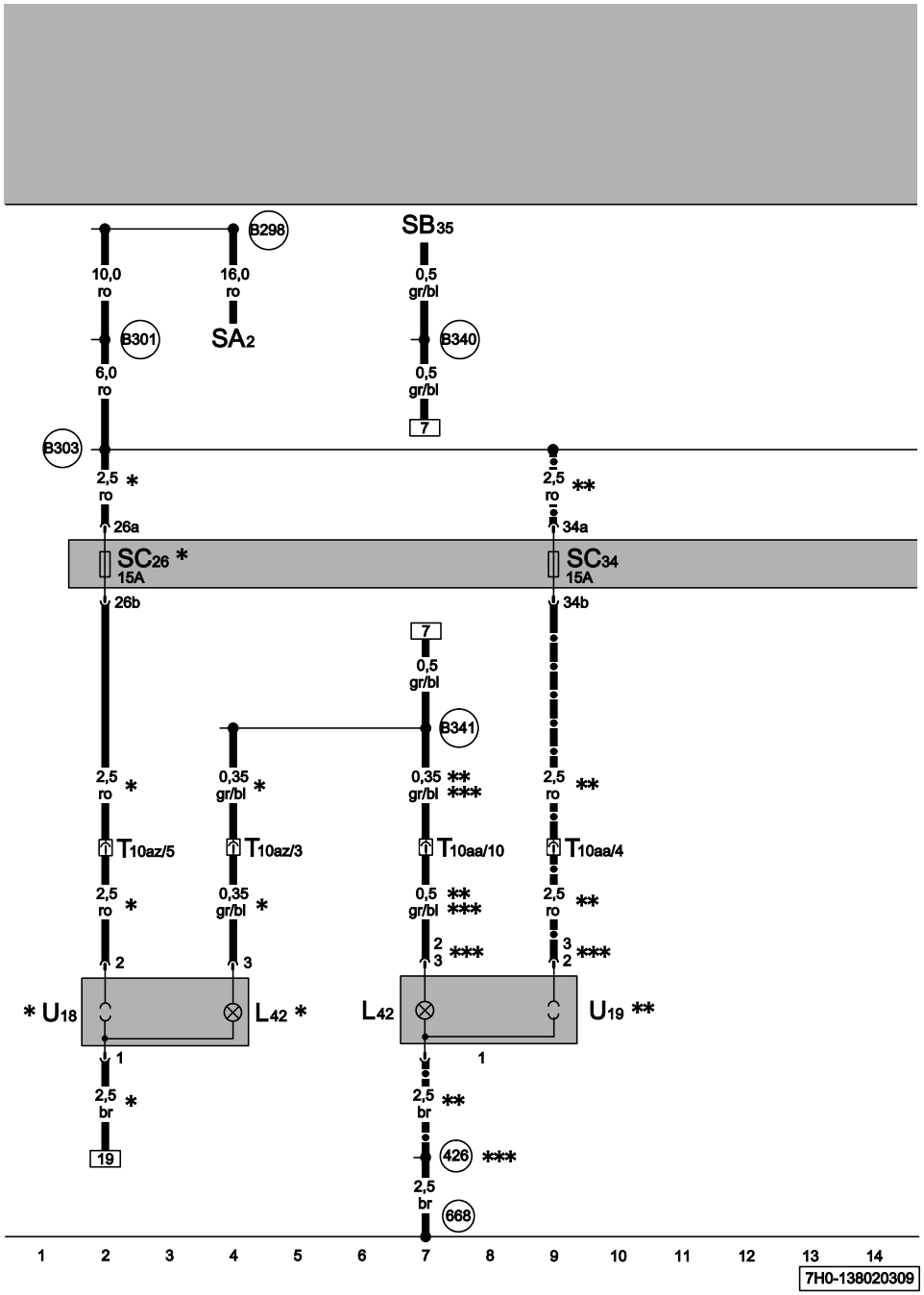
Sockets (12 Volt), without second battery (8FA)

⇒ **Multivan (A8E/A8J/A8Q/A8Z)**
⇒ **Camper Beach (A9A)**
⇒ **Shuttle/caravelle (A9K/A9W)**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

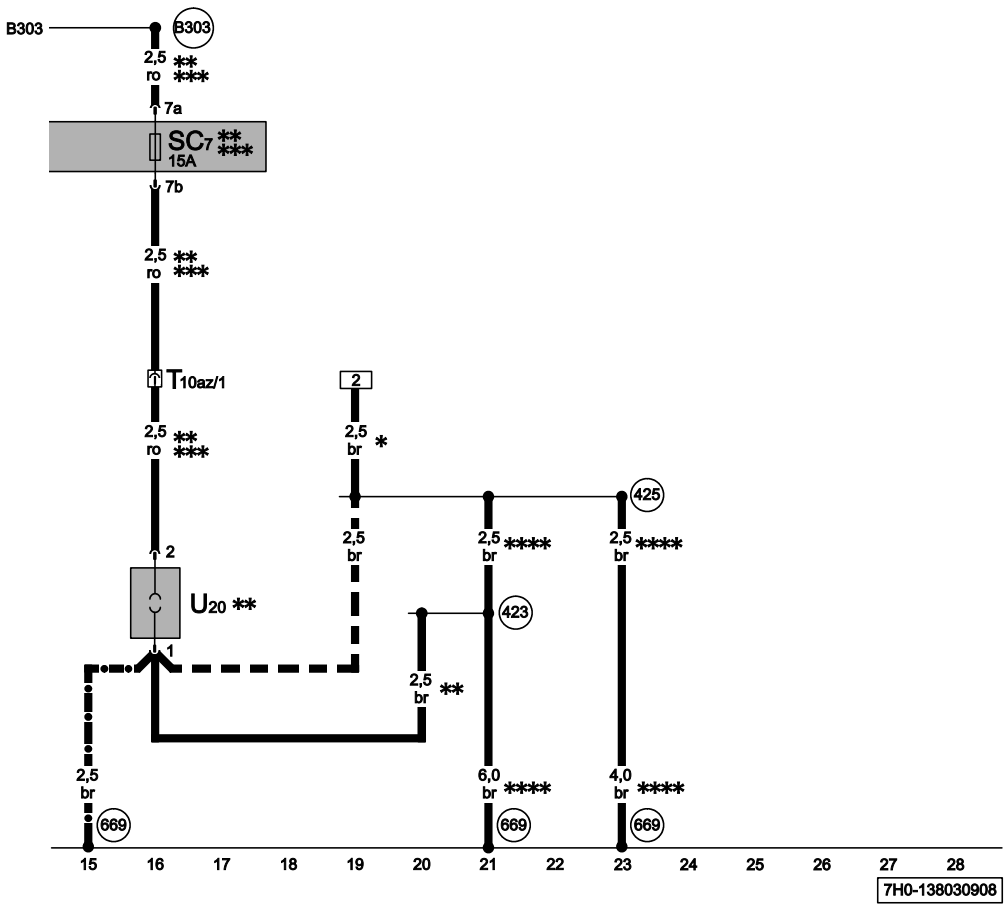


Fuses, 12 V sockets

L42	Socket illumination bulb
SA2	Fuse 2 on fuse holder A
SB35	Fuse 35 on fuse holder B
SC26	Fuse 26 on fuse holder C
SC34	Fuse 34 on fuse holder C
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V sockets 2, on right C-pillar
U19	12 V sockets 3, on left C-pillar
426	Earth connection 3, in left rear end wiring harness
668	Earth point 2, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for multivan only, not for multivan Startline
**	for shuttle and caravelle only, for multivan up to December 2005
***	depends on equipment
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt"	for multivan Comfortline with long wheel base only, applicable from November 2008

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li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



Fuses, 12 V socket -4-

SC7	Fuse 7 on fuse holder C
T10az	10-pin connector, white, coupling station under front passenger seat
U20	12 V sockets 4, on right D-pillar
423	Earth connection 1, in right rear end wiring harness
425	Earth connection 2, in right rear end wiring harness
669	Earth point 2, right D-pillar
B303	Positive connection 7 (30), in main wiring harness
*	for multivan only, not for multivan Startline
**	for multivan, multivan Startline and camper Beach only
***	for caravelle only
****	depends on equipment
<fo:exter	for caravelle only, with electric power latching system
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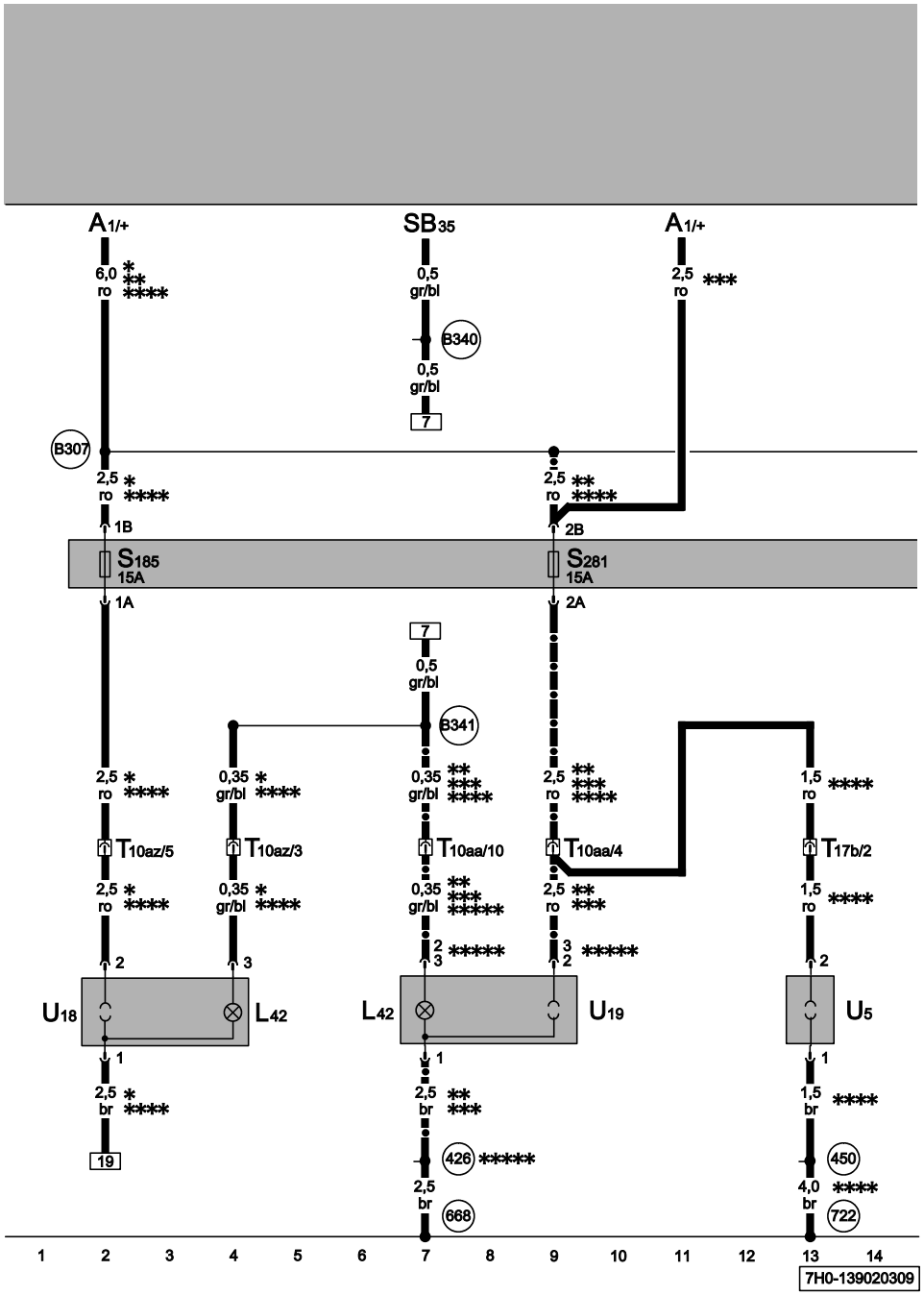
Sockets (12 Volt), with second battery (8FB/8FF)

⇒ **Multivan (A8E/A8J/A8Q/A8Z/A9Y)**
⇒ **Camper (A8L/A8R/A9A)**
⇒ **Shuttle, Caravelle (A9K/A9W)**
⇒ **Refrigerator box**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



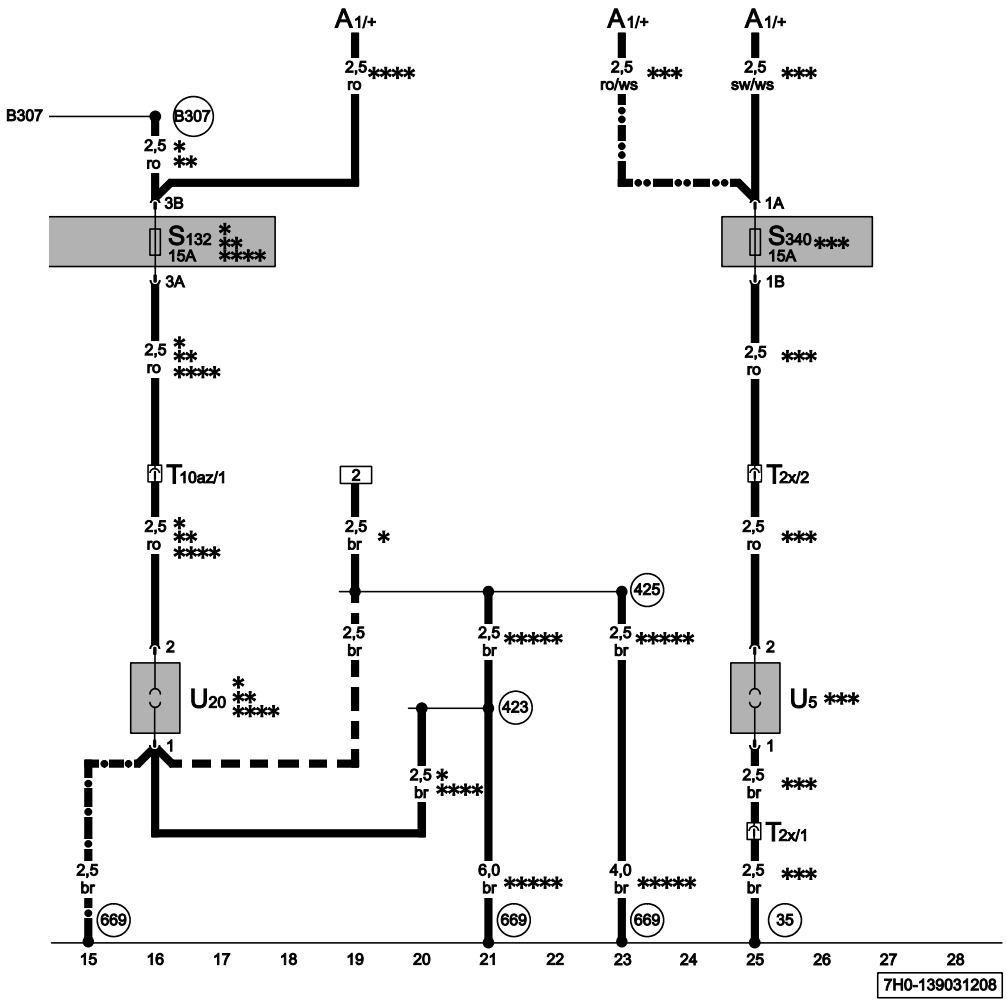
ws = white

Fuses, 12 V sockets

A1	Second battery
L42	Socket illumination bulb
S185	Electric socket 2 fuse
S281	Electric socket 3 fuse
SB35	Fuse 35 on fuse holder B
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10az	10-pin connector, white, coupling station under front passenger seat
T17b	17-pin connector, black, in lower cupboard
U5	12 V socket, near sink
U18	12 V sockets 2, on right D-pillar
U19	12 V sockets 3, on left D-pillar
426	Earth connection 3, in left rear end wiring harness
450	Earth connection 3, in camper wiring harness
668	Earth point 2, left D-pillar
722	Earth point 2 for special constructions
B307	Positive connection 11 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for business and multivan only, not for multivan Startline
**	for business and caravelle only, for multivan up to December 2005
***	for shuttle only
****	for camper only, not for camper Beach
*****	depends on equipment
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.p	for multivan Comfortline with long wheel base only, applicable from November 2008

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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uniform"/
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ws = white

Fuses, 12 V socket -4-, refrigerator box fuse

A1	Second battery
S132	Fuse 2
S340	Cool box fuse
T2x	2-pin connector, black, under front passenger seat
T10az	10-pin connector, white, coupling station under front passenger seat
U5	12 V socket
U20	12 V sockets 4, on right D-pillar
35	Earth point, under front passenger seat
423	Earth connection 1, in right rear end wiring harness
425	Earth connection 2, in right rear end wiring harness
669	Earth point 2, right D-pillar
B307	Positive connection 11 (30), in main wiring harness
*	for business, multivan and camper only, not for camper Beach and multivan Startline
**	for caravelle only
***	for models with refrigerator box only, not for camper
****	for multivan Startline and camper Beach only
*****	depends on equipment

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for caravelle only, with electric power latching system

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for caravelle only, without electric power latching system

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ge	=	yellow
or	=	orange
rs	=	pink

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applicable from January 2006

Illuminated vanity mirror

from February 2004

Notes:

For information concerning

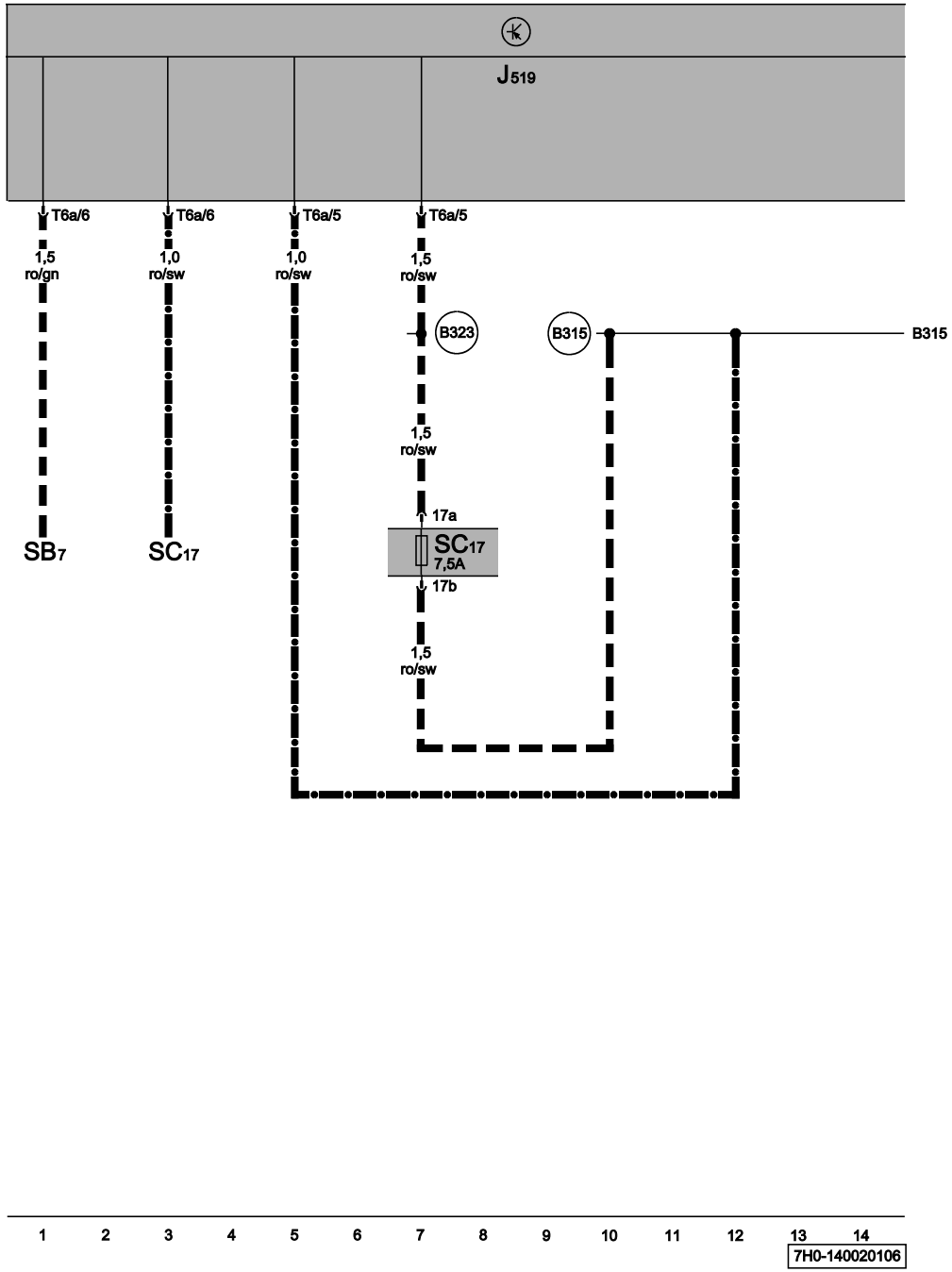
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



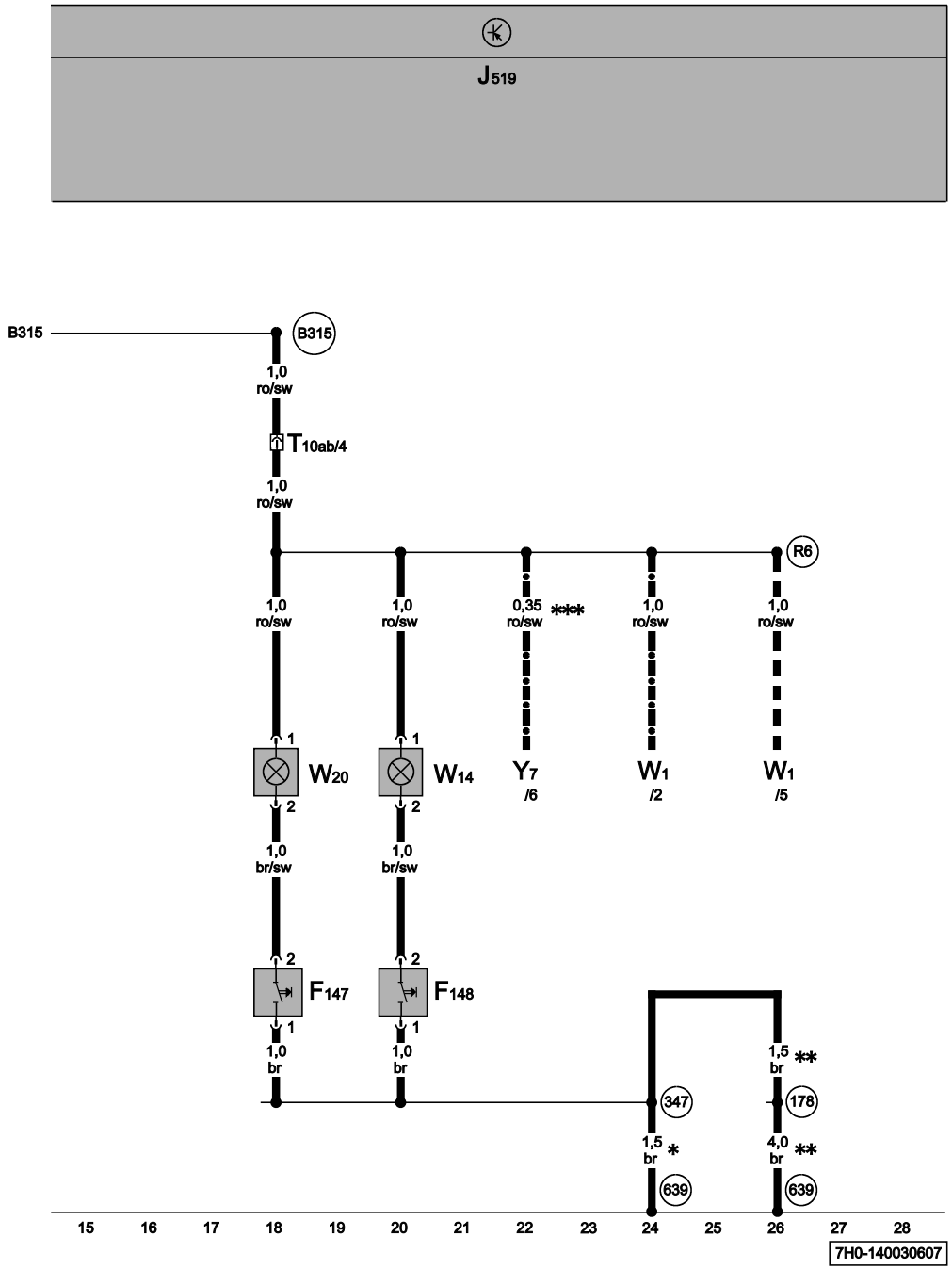
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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, fuses

J519 Onboard supply control unit
SB7 Fuse 7 on fuse holder B
SC17 Fuse 17 on fuse holder C
T6a 6-pin connector, brown
B315 Positive connection 1 (30a), in main wiring harness
B323 Positive connection 9 (30a), in main wiring harness

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform" />
for models without roof console only

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform" />
for models with roof console only



ws = white

Illuminated vanity mirror, vanity mirror contact switch

F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
J519	Onboard supply control unit
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with automatic anti-dazzle interior mirror only

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for models without roof console only

<fo:external-graphic src="../PDOC/samba/tools/
for models with roof console only

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bl	=	blue
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or	=	orange
rs	=	pink

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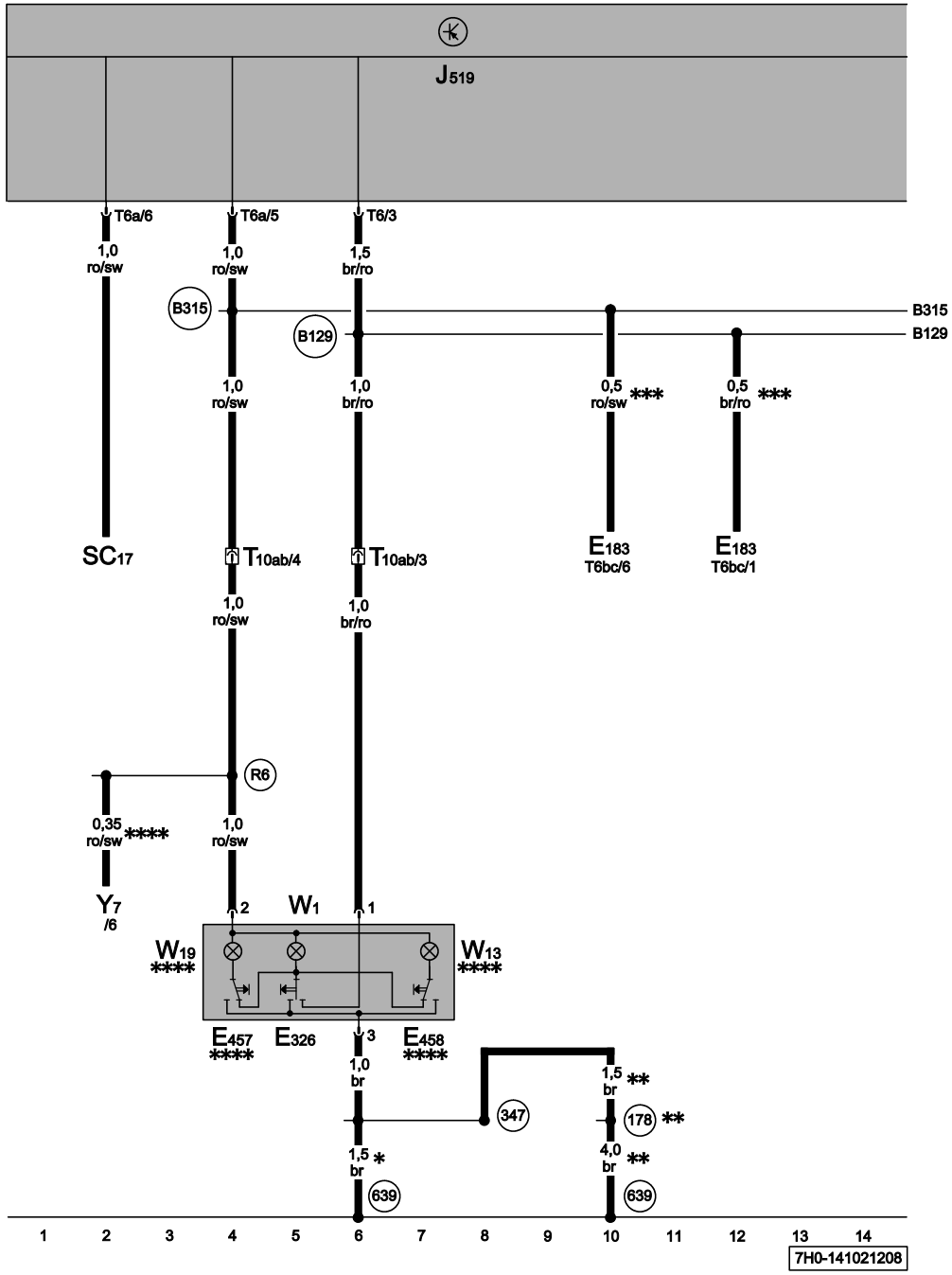
Utility vehicles interior lighting without roof console in headlining

⇒ **box-type delivery van or hybrid vehicle**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from February 2004

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

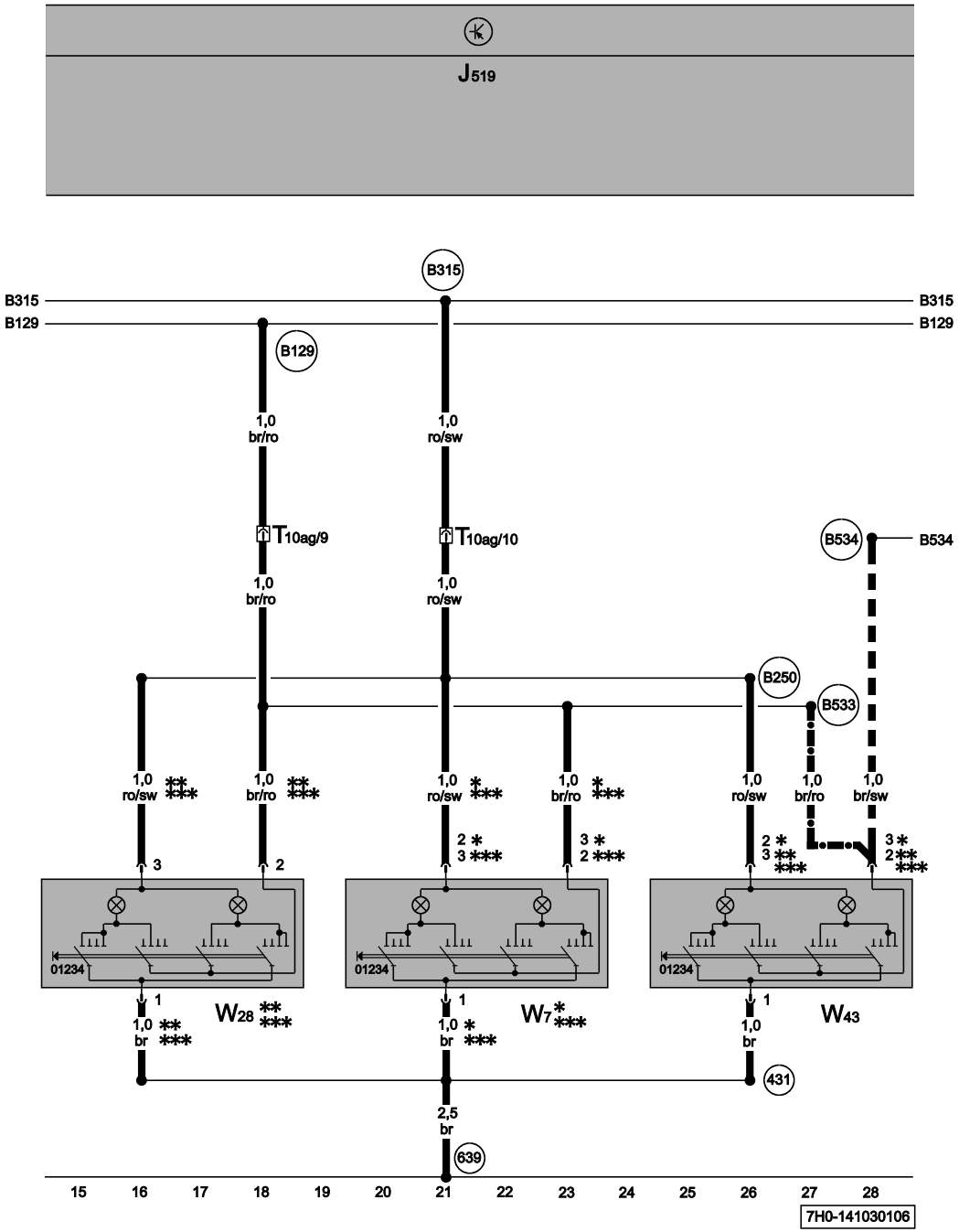
⇒ guided fault finding



Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with automatic anti-dazzle interior mirror only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Front interior light, centre and rear (for models with sliding doors only)

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with flat roof only
**	for models with middle hight roof only
***	for models with high roof only

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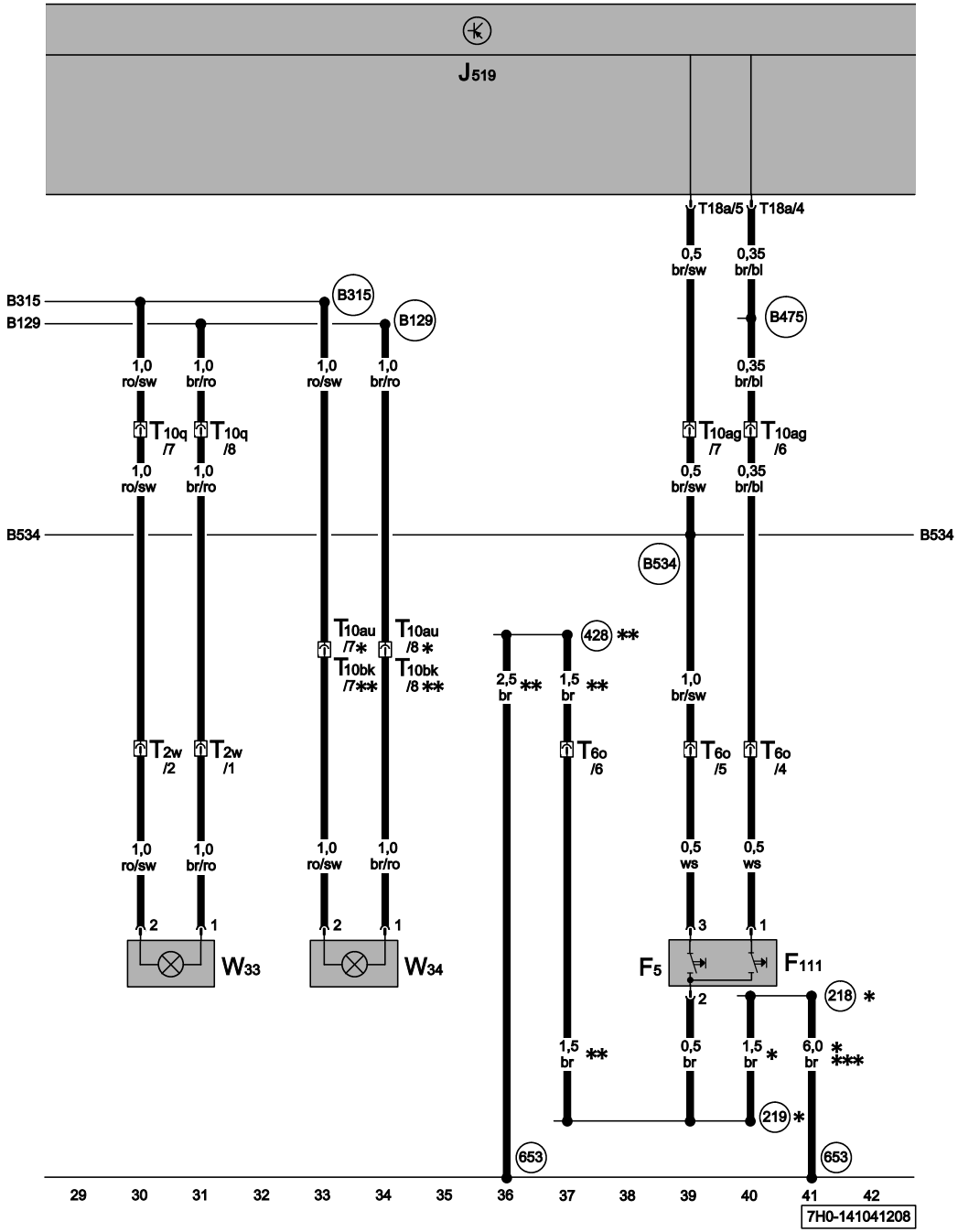
applicable up to December 2004

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applicable from January 2005

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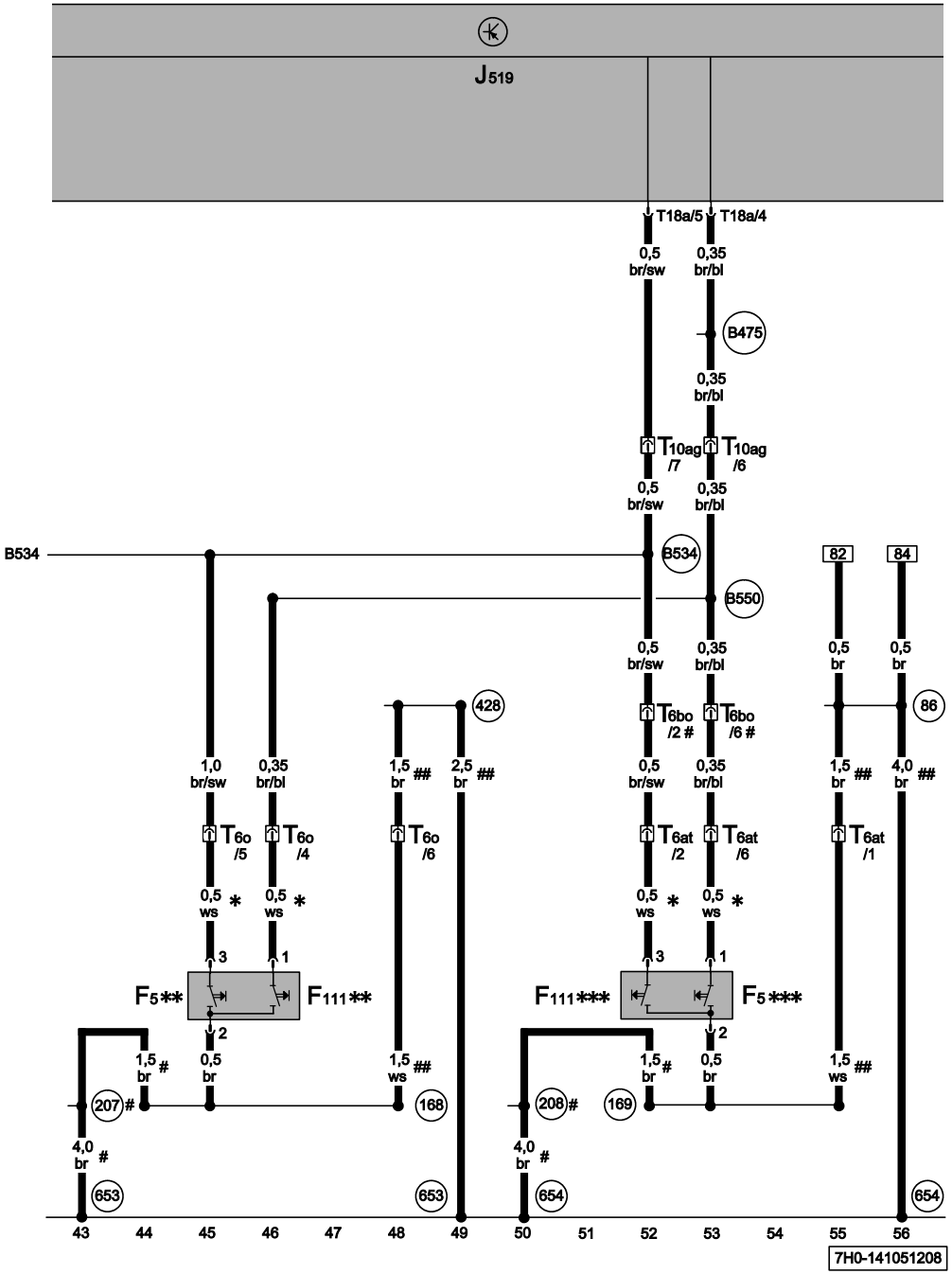
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ws = white
sw = black
ro = red
br = brown
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

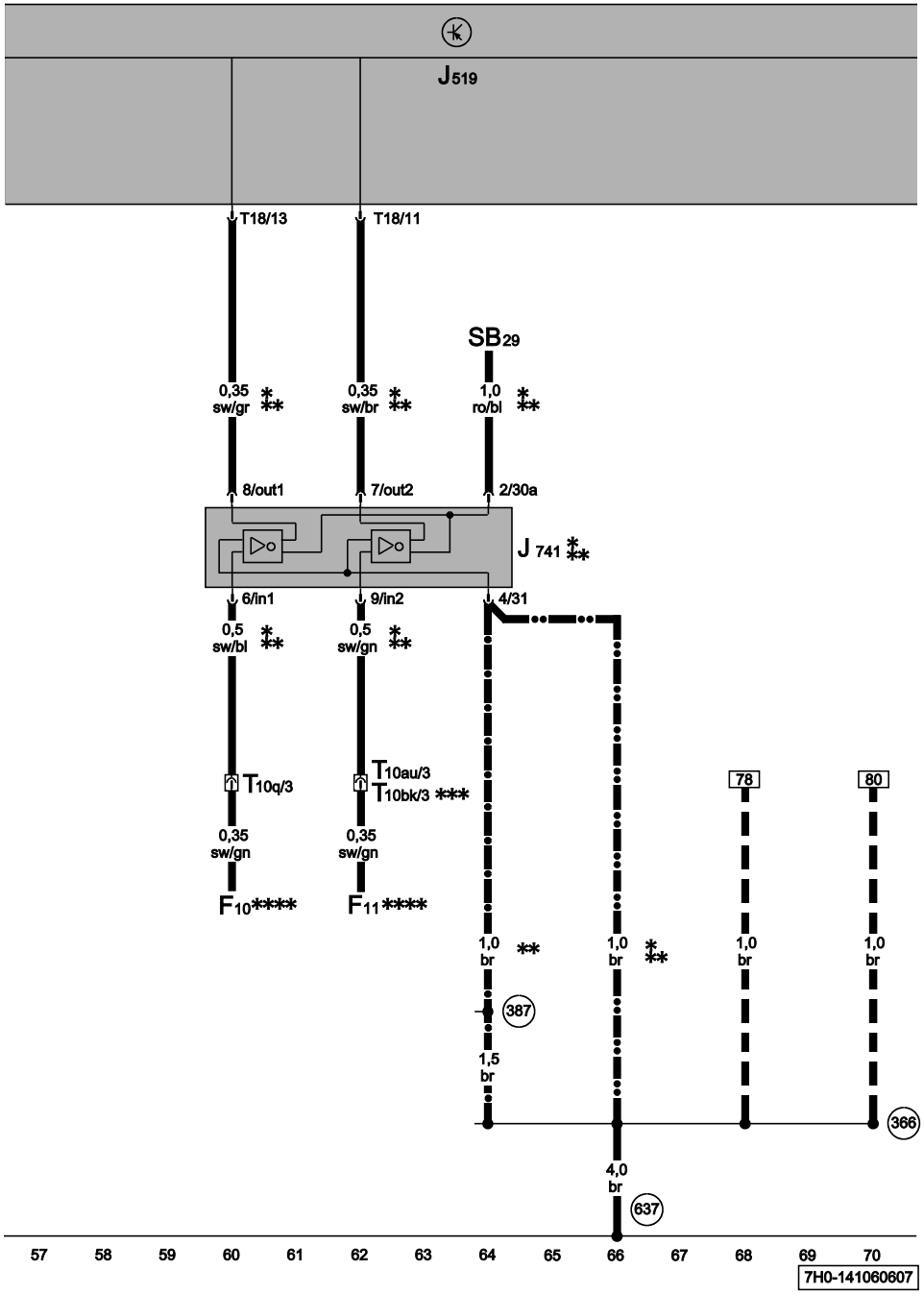
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable up to December 2004
**	applicable from January 2005
***	Cross-section 4.0 possible



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T6bo	6-pin connector, green, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
86	Earth connection 1, in rear wiring harness
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
207	Earth connection, in rear left door wiring harness
208	Earth connection, in rear right door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	wire colour is white and wire is printed
**	On door lock in left rear wing door
***	On door lock in right rear wing door
#	applicable up to December 2004
##	applicable from January 2005



ws = white

Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	applicable up to December 2004, only models with mechanical sliding door
**	applicable from January 2005, for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2005
****	⇒ Current Flow Diagram: convenience system

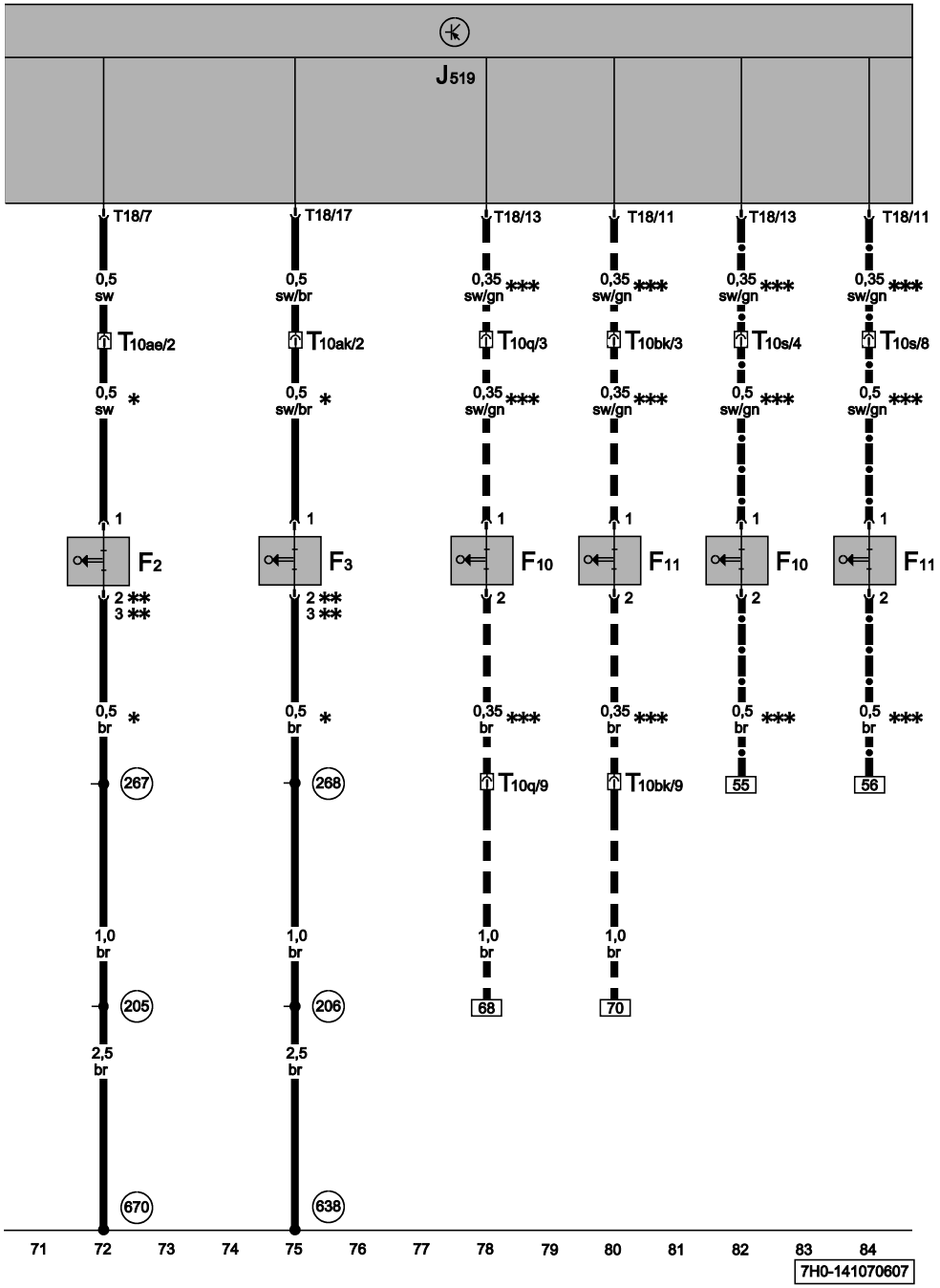
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applicable up to December 2005



Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only

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applicable from January 2005 up to December 2005

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applicable from January 2006

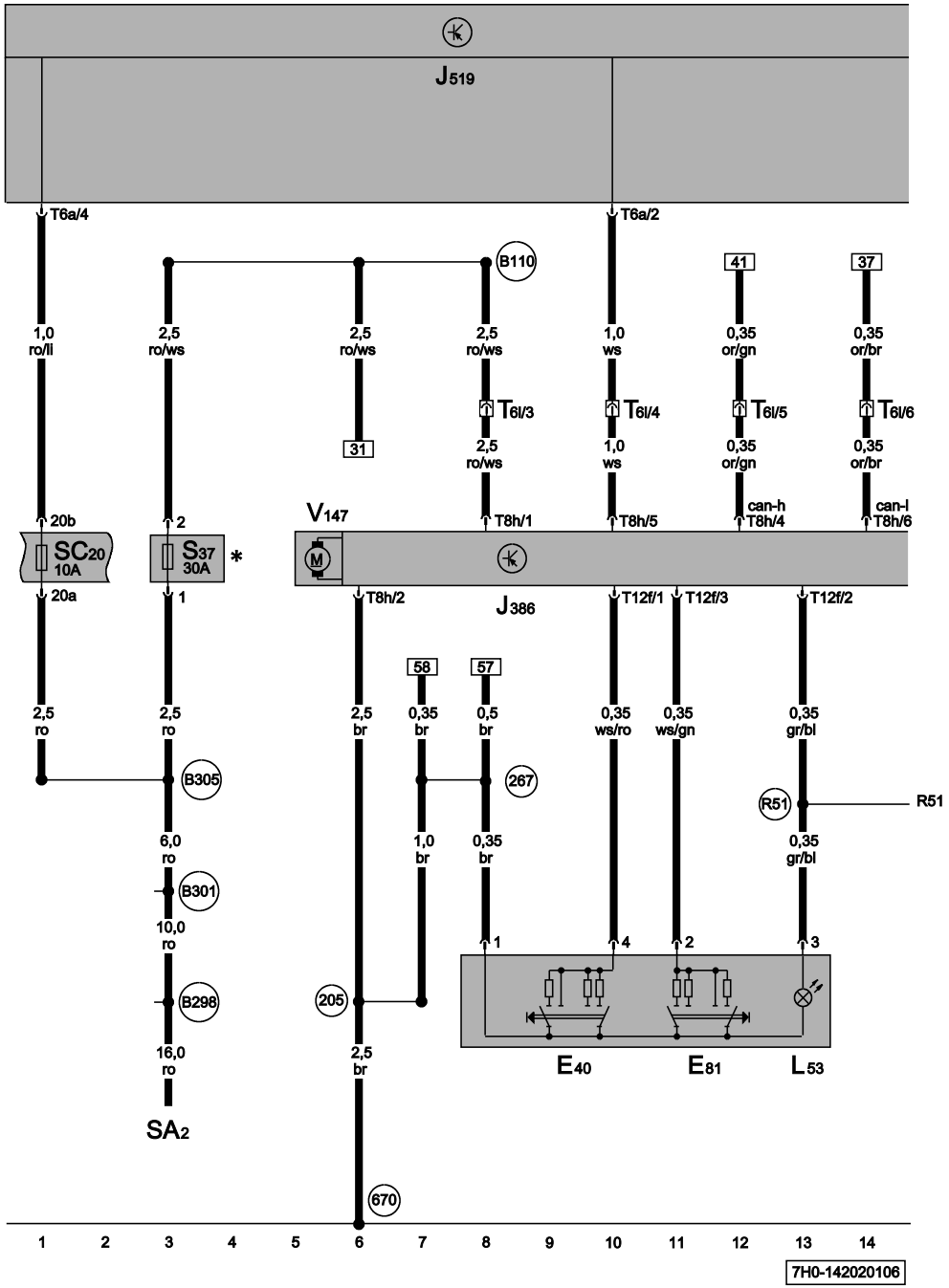
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

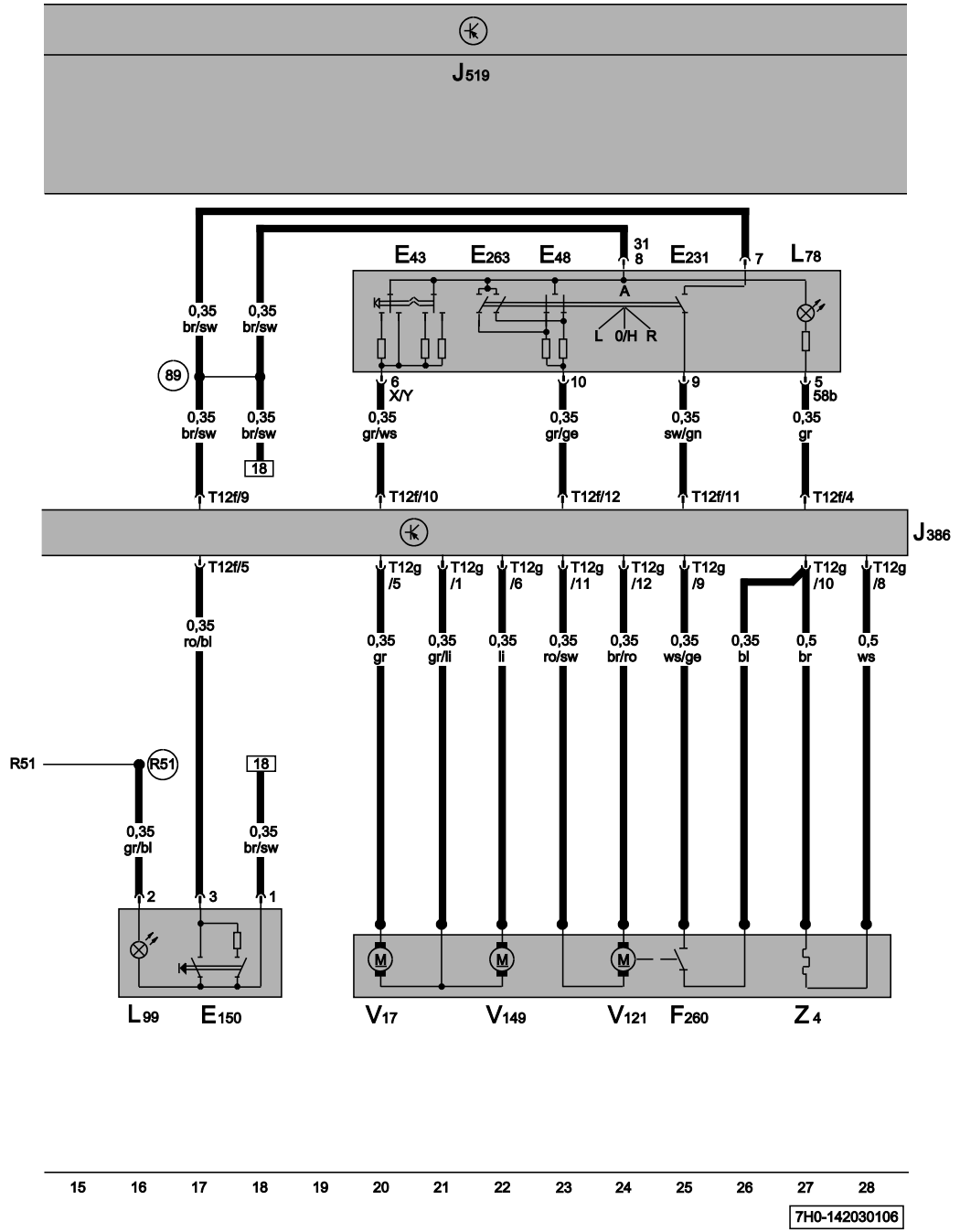
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left and right window regulator switch in driver door, window regulator single fuse, driver door control unit

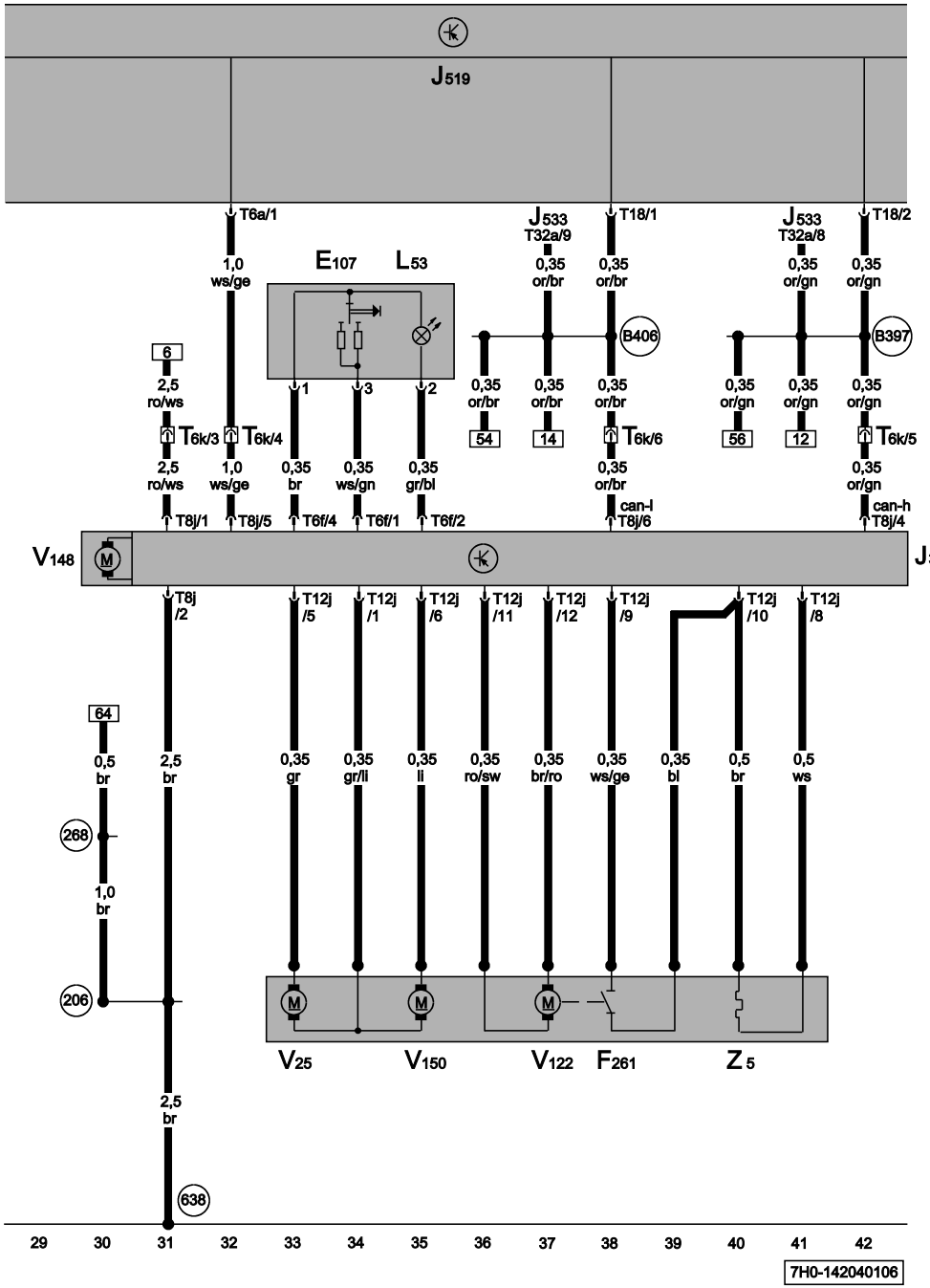
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SA2	Fuse 2 on fuse holder A
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8h	8-pin connector
T12f	12-pin connector
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations



Mirror adjustment switch, driver door control unit, driver side mirror adjustment motor, driver side heated exterior mirror, driver side interior locking switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E150	Driver side interior locking switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
L99	Interior lock switch illumination bulb
T12f	12-pin connector
T12g	12-pin connector
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness
R51	Connection (58b), in driver side door wiring harness

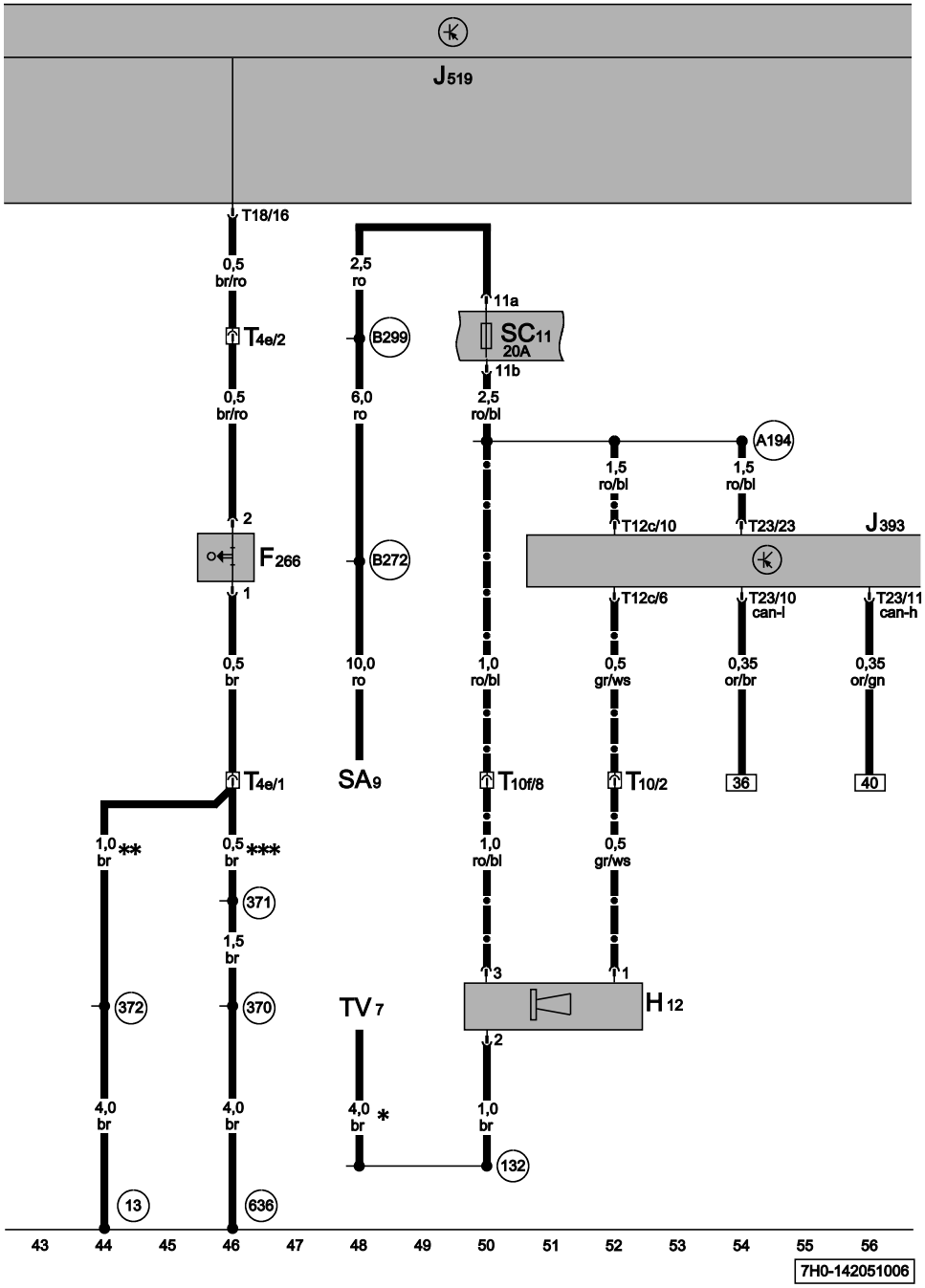
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gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink



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Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T6k	6-pin connector, brown, coupling station on right of A-pillar
T8j	8-pin connector
T12j	12-pin connector
T18	18-pin connector, black
T32a	32-pin connector, green
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



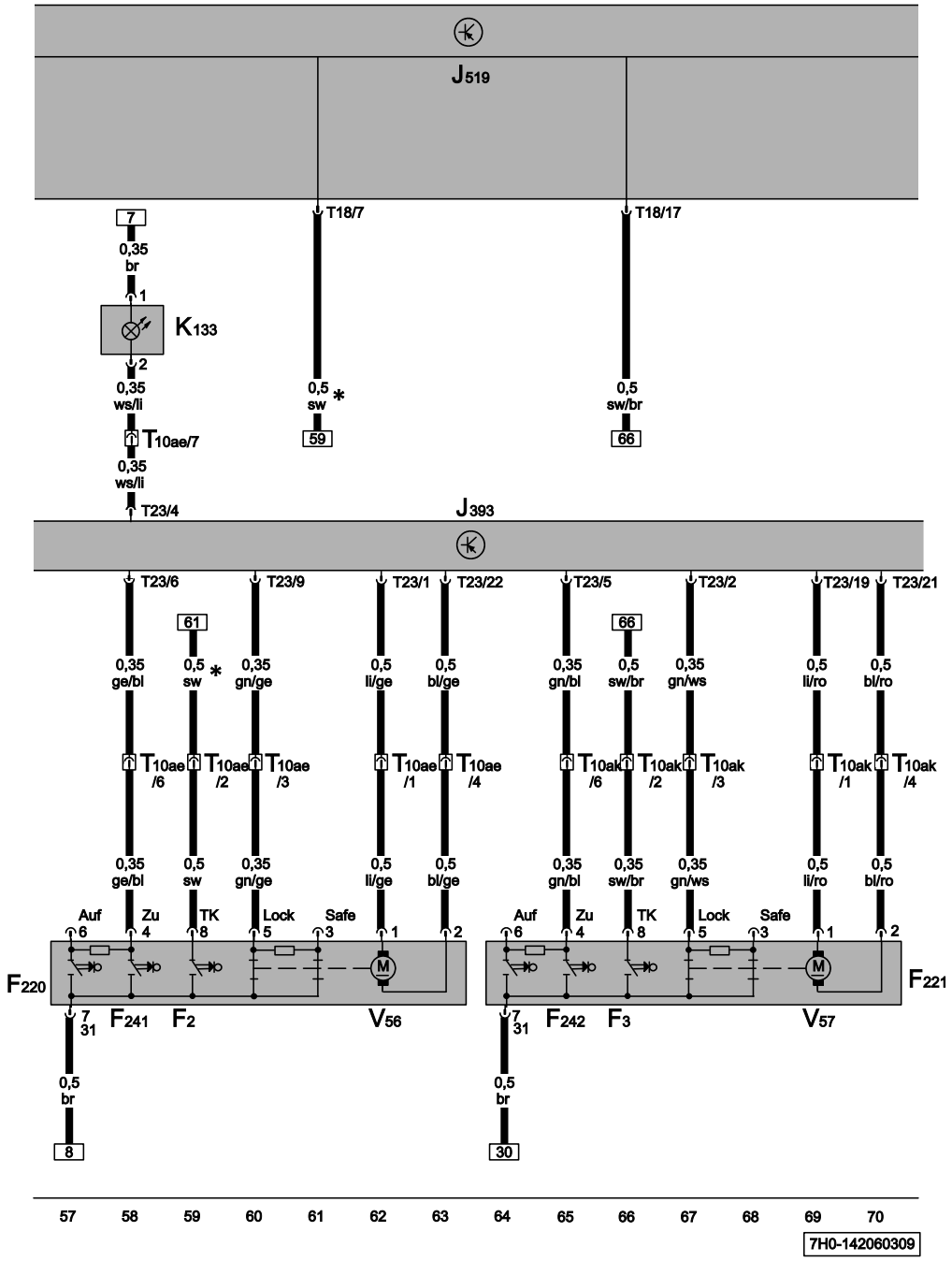
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Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
372	Earth connection 7, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
**	applicable up to December 2005
***	applicable from January 2006
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ge	=	yellow
or	=	orange
rs	=	pink

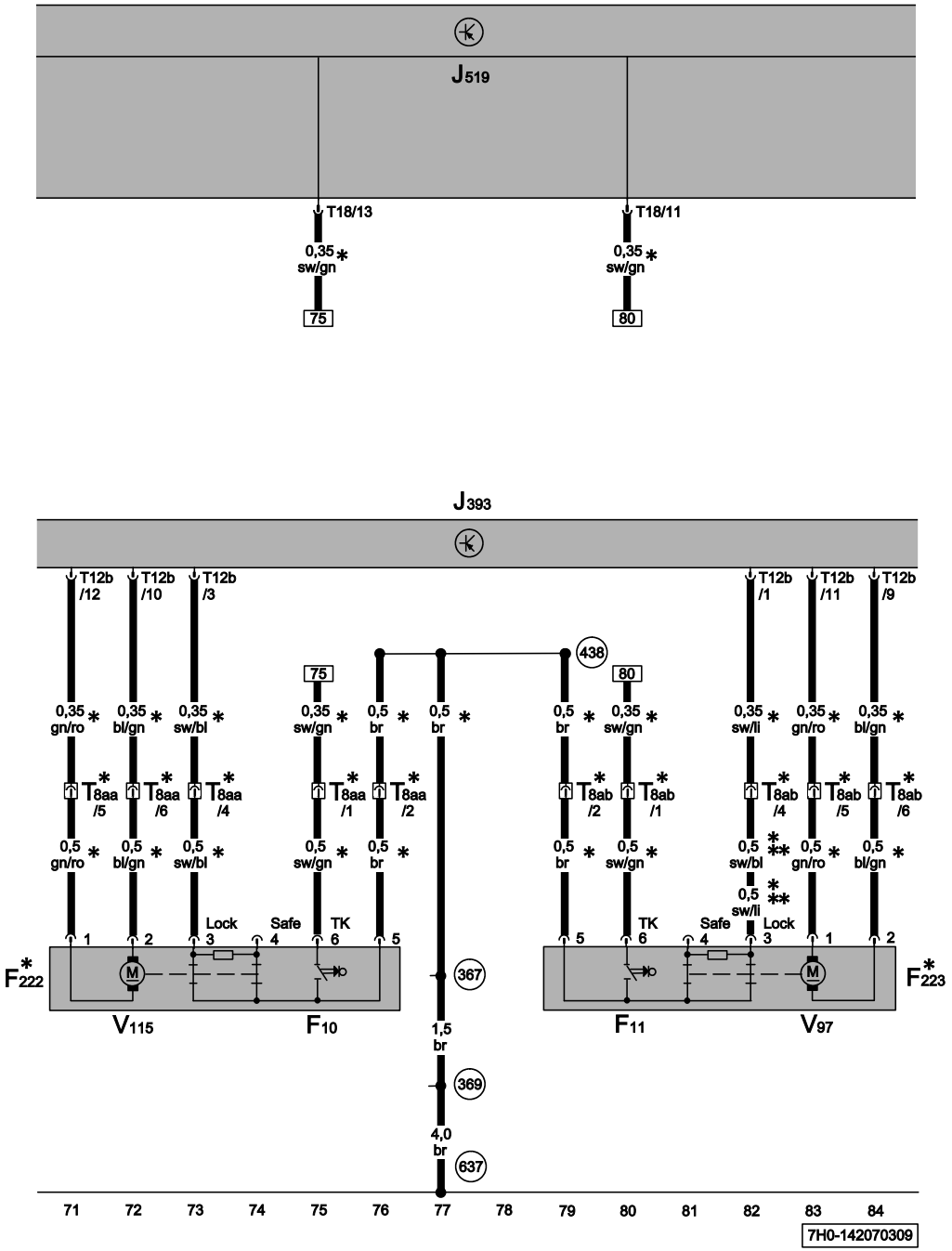
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Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
*	for models without taxi equipment only

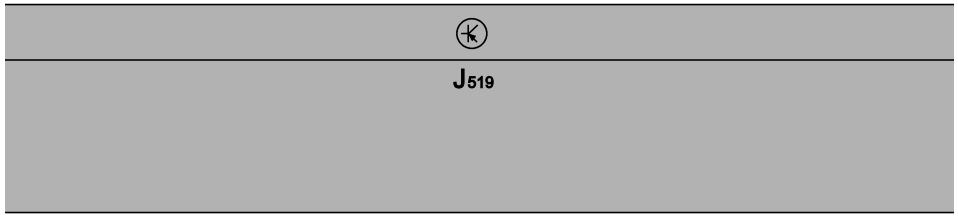
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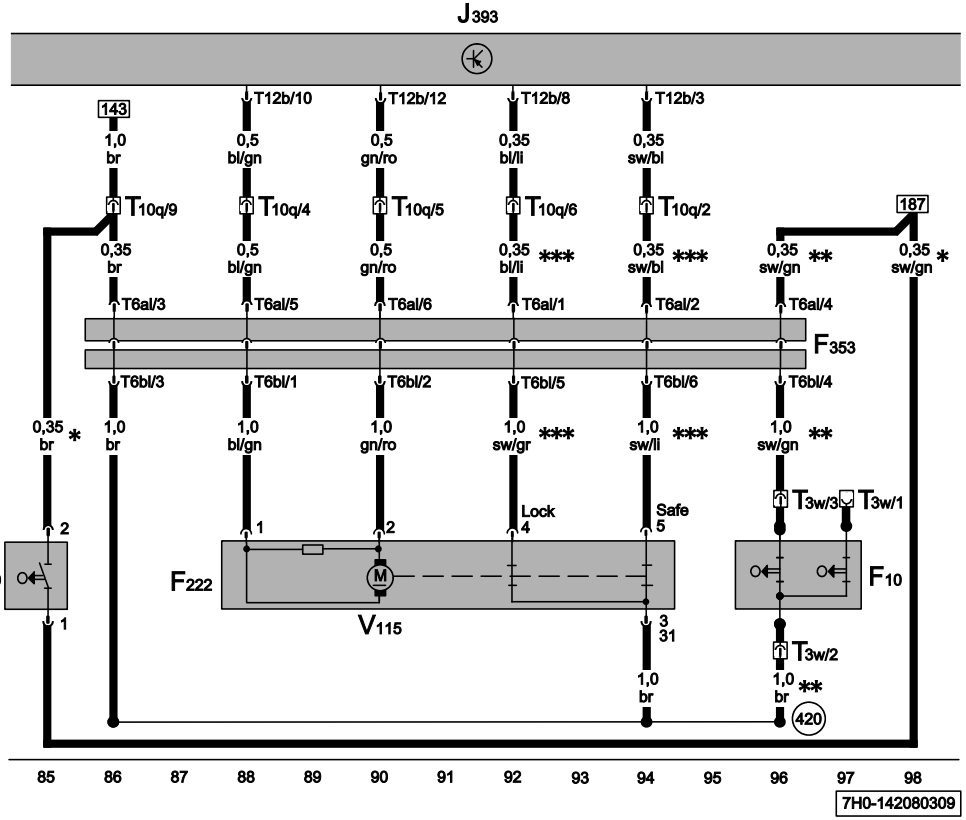


Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

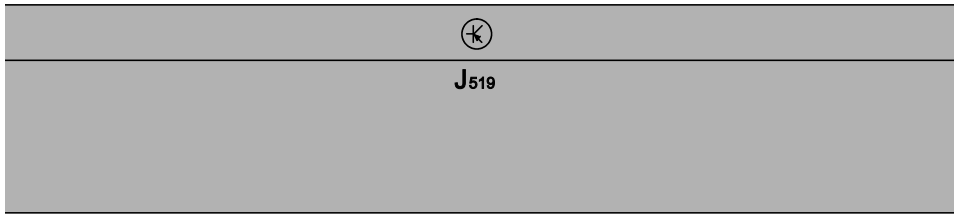


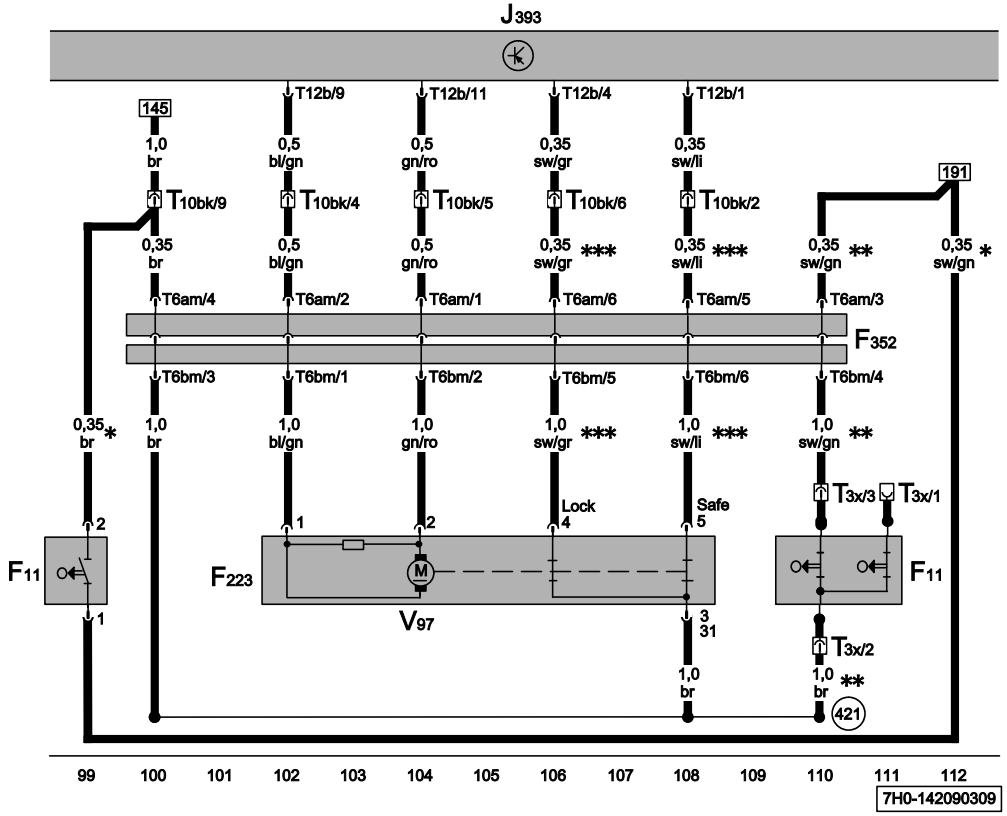


Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system
**	for models with mechanical sliding door and anti-theft alarm system only
***	only models without electric sliding door

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

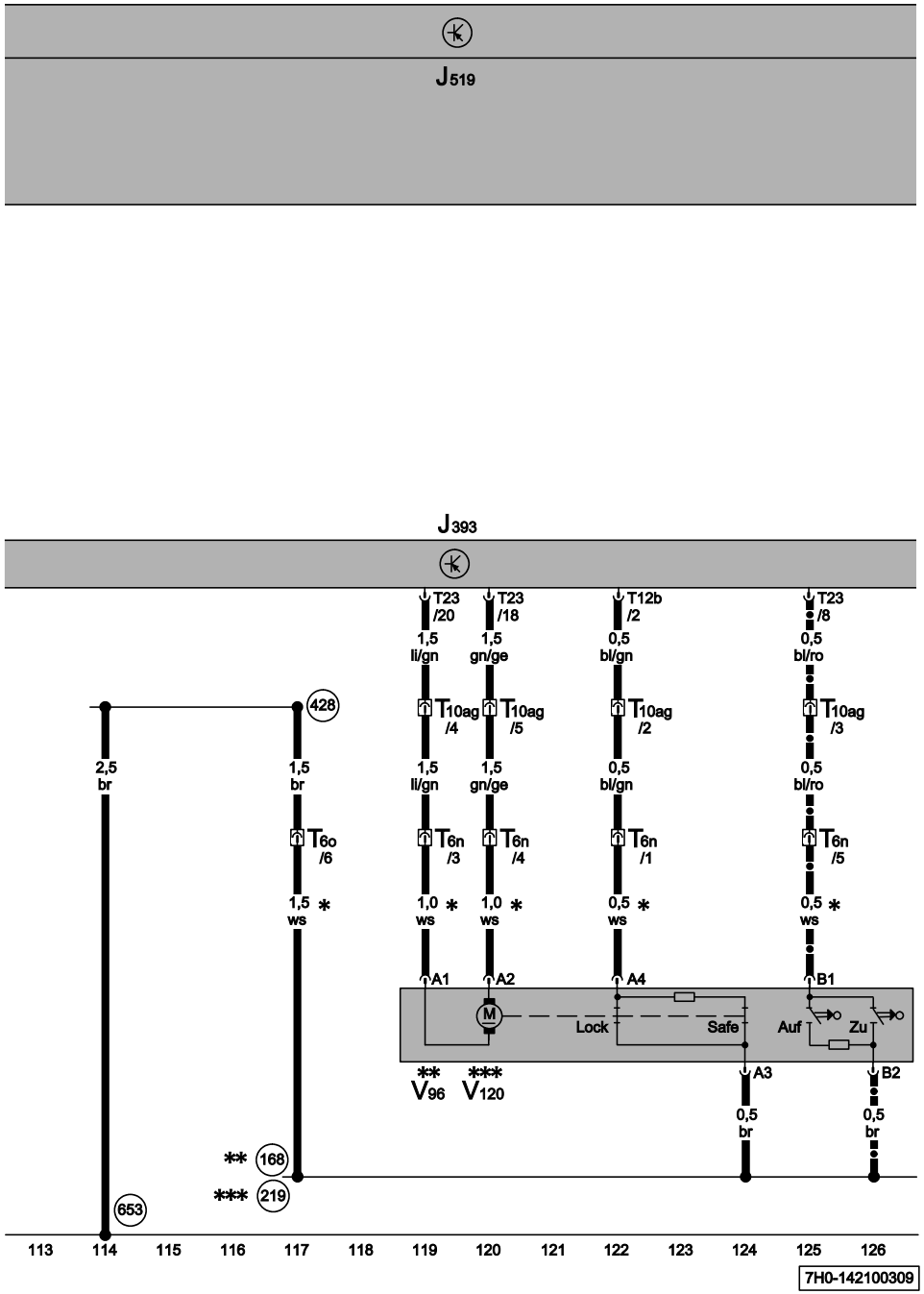




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

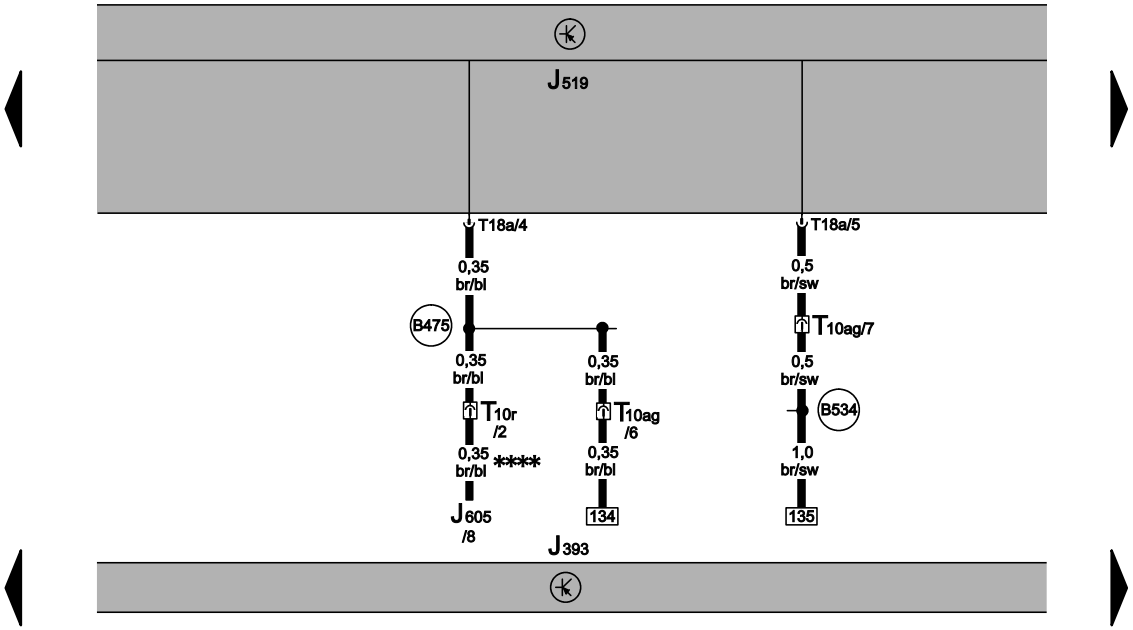
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system
**	for models with mechanical sliding door and anti-theft alarm system only
***	only models without electric sliding door

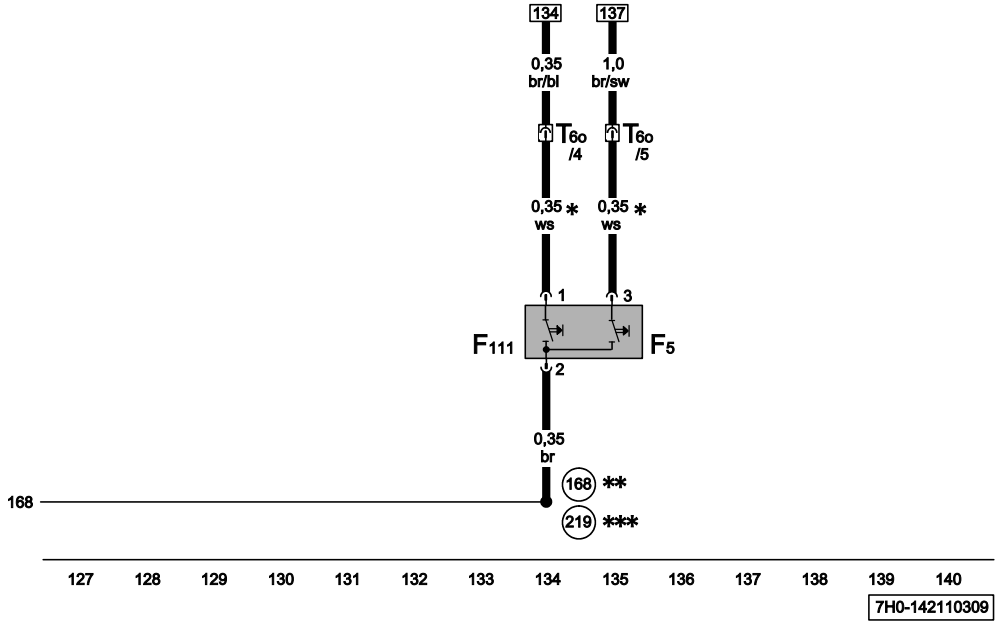


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	Wire discontinued from May 2006

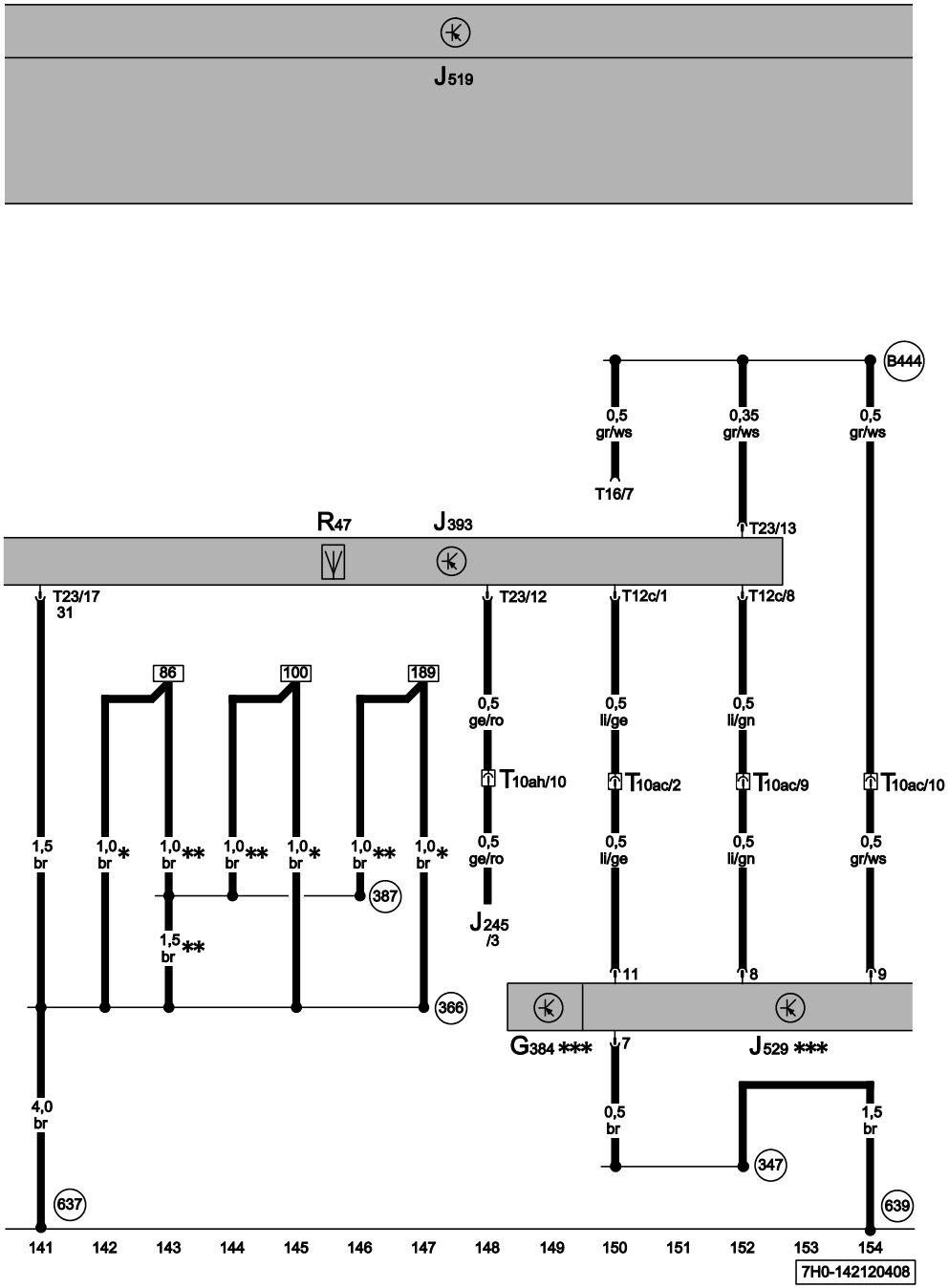




Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with rear lid and power latching system only

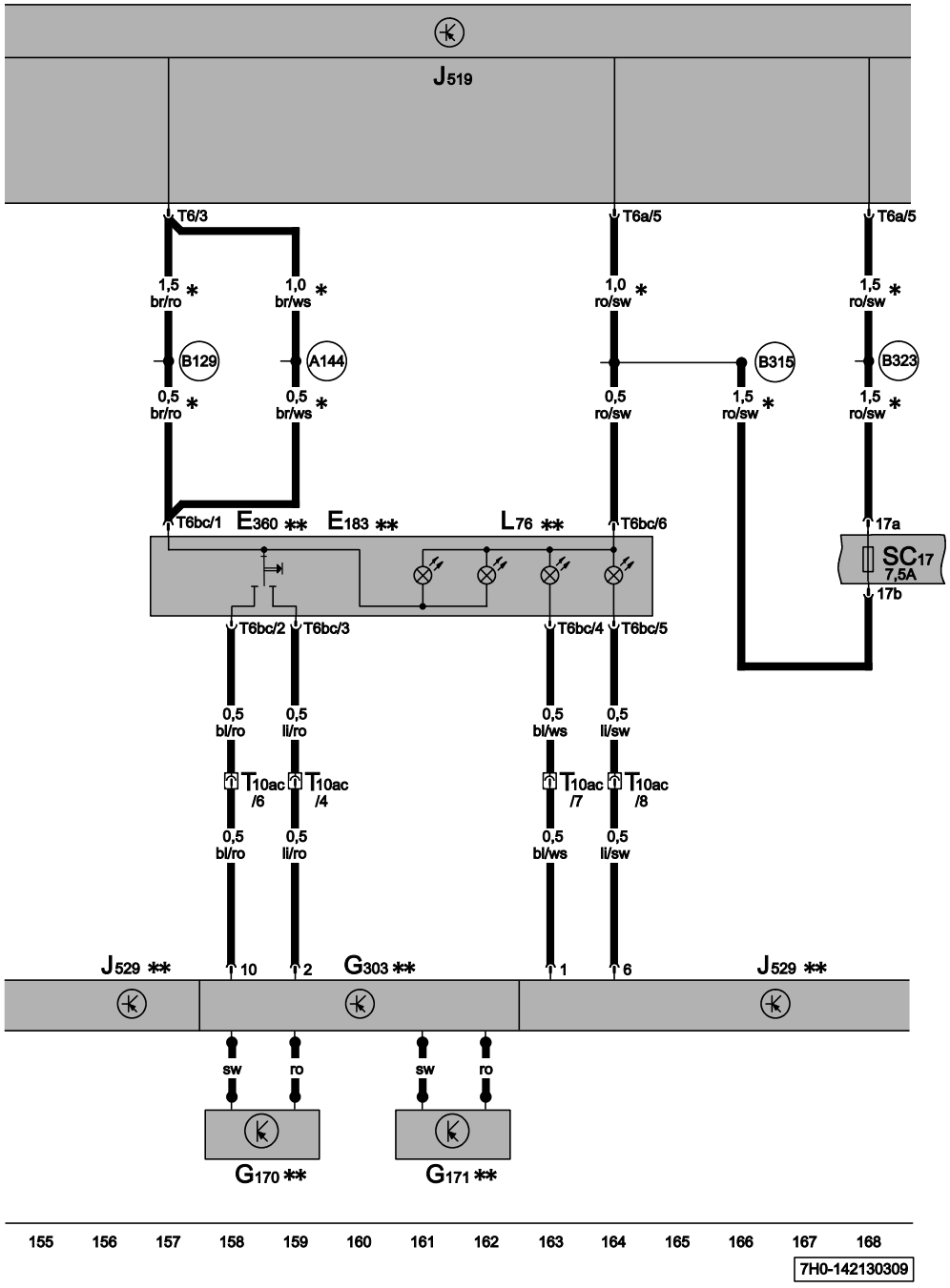
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	for models with anti-theft alarm system only 7AL/7AQ

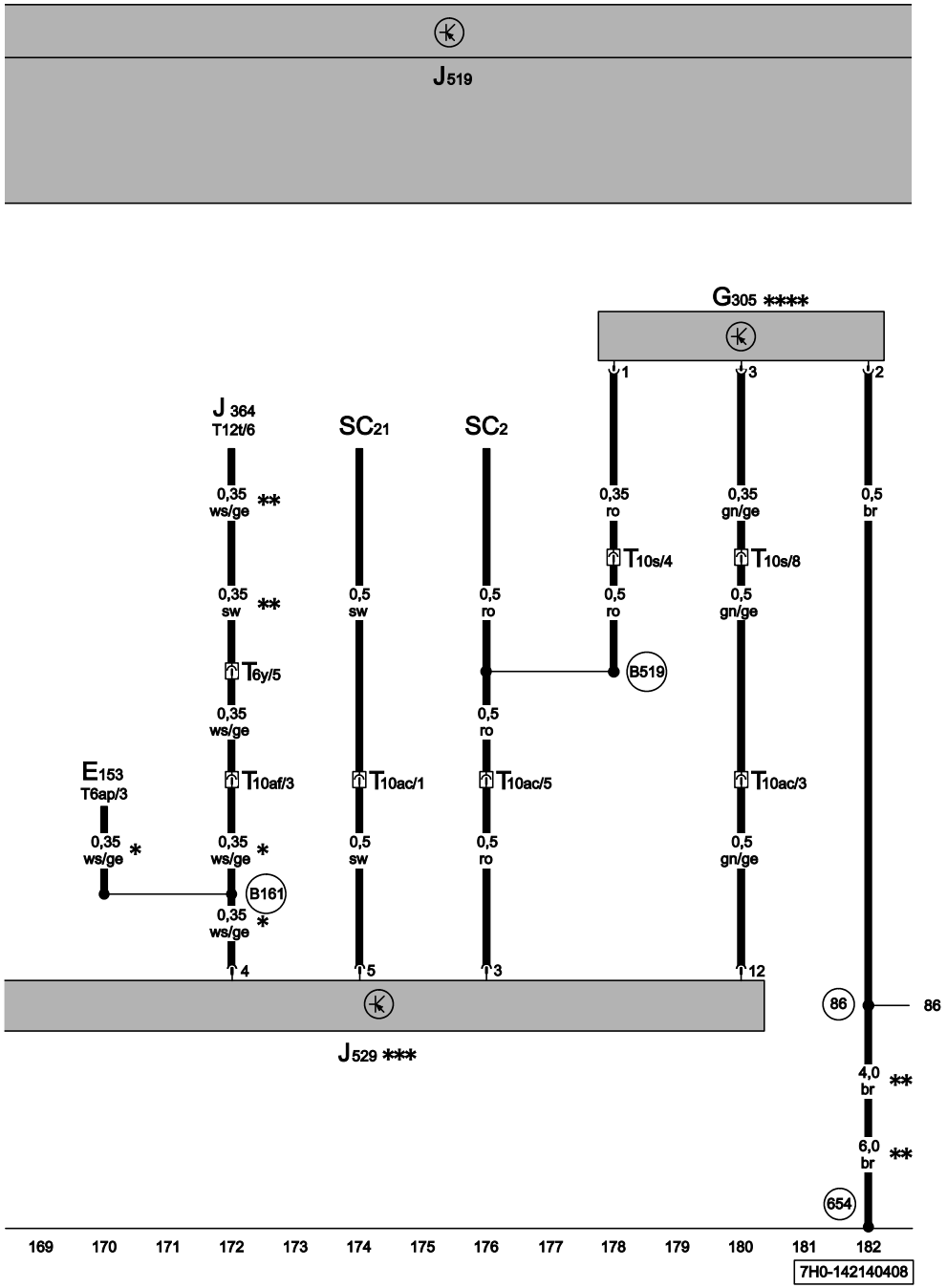
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rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

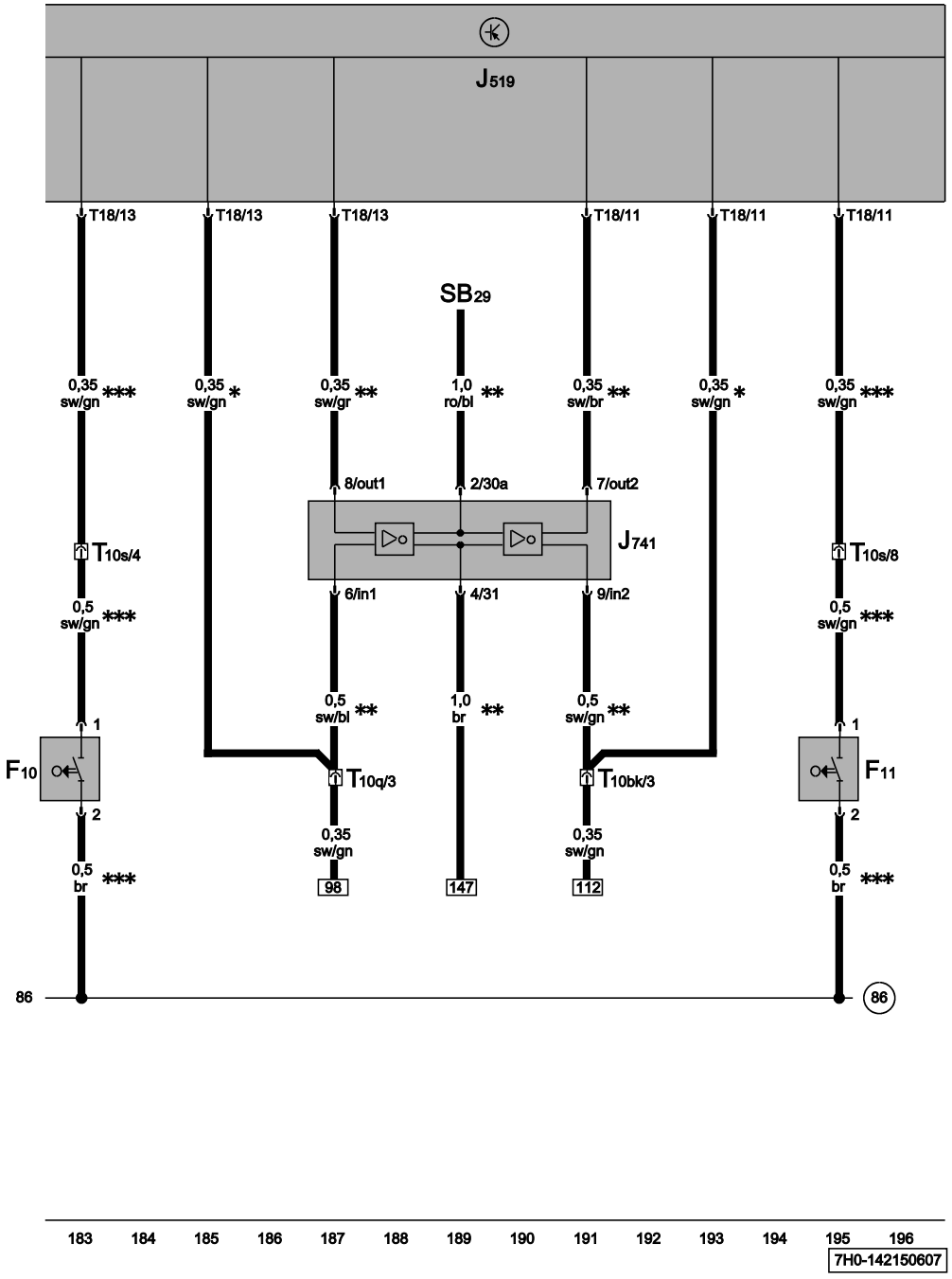
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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



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ro = red
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Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
(86)	Earth connection 1, in rear wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system/ electric sliding door/ power latching system
**	for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2006, only models with mechanical sliding door and without anti-theft alarm system/ electric sliding door/ power latching system

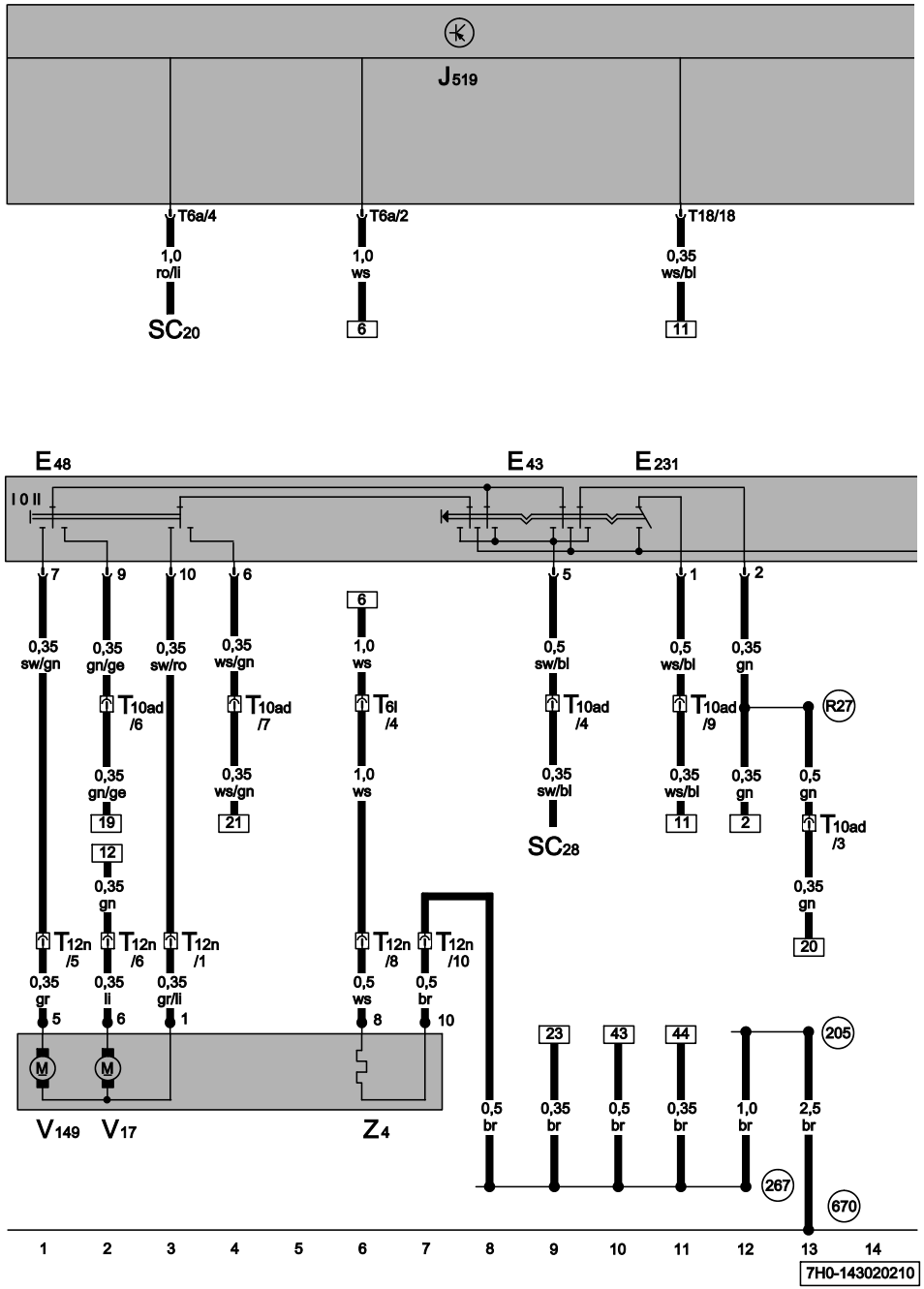
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from January 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

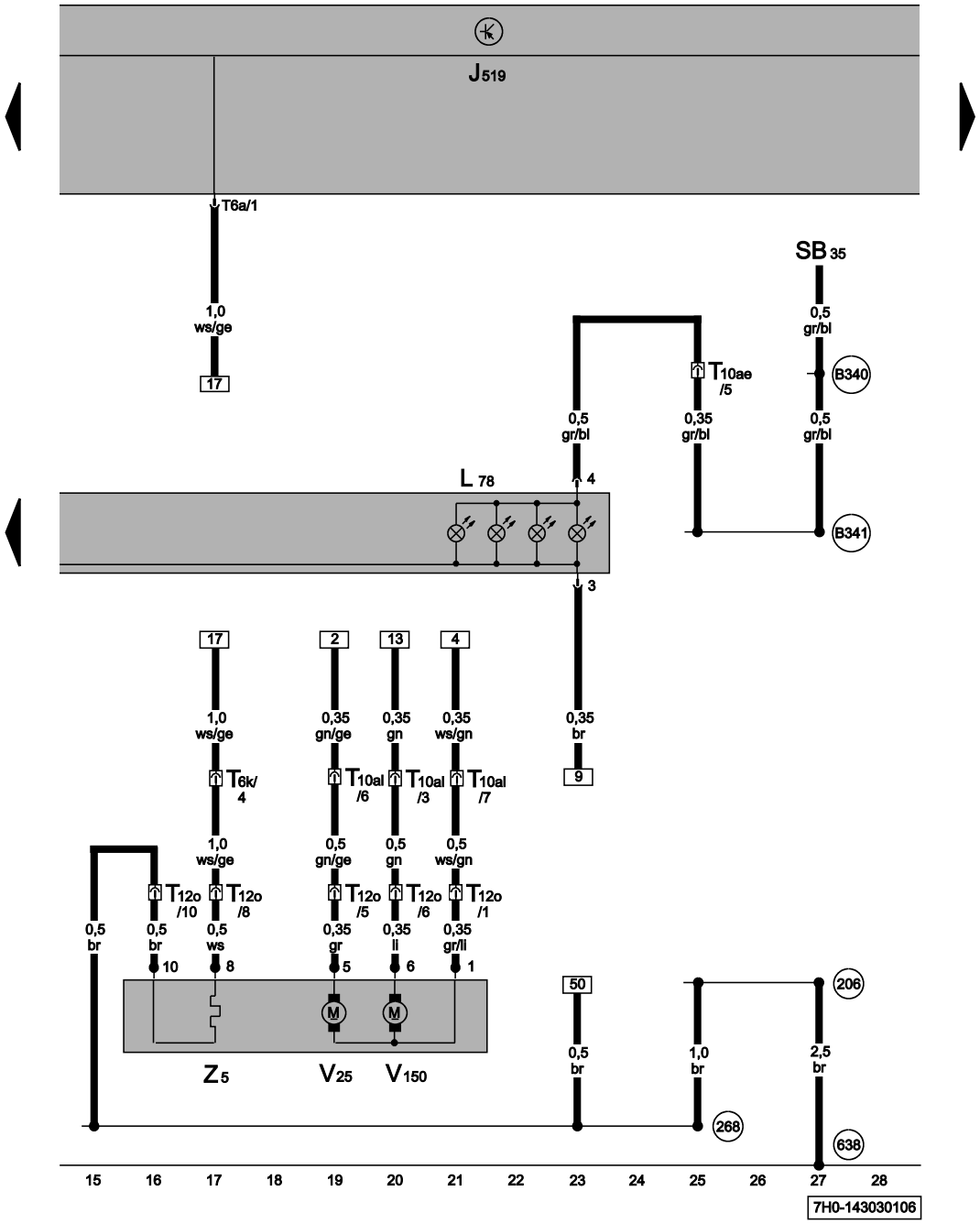
⇒ guided fault finding



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ge = yellow
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rs = pink

Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

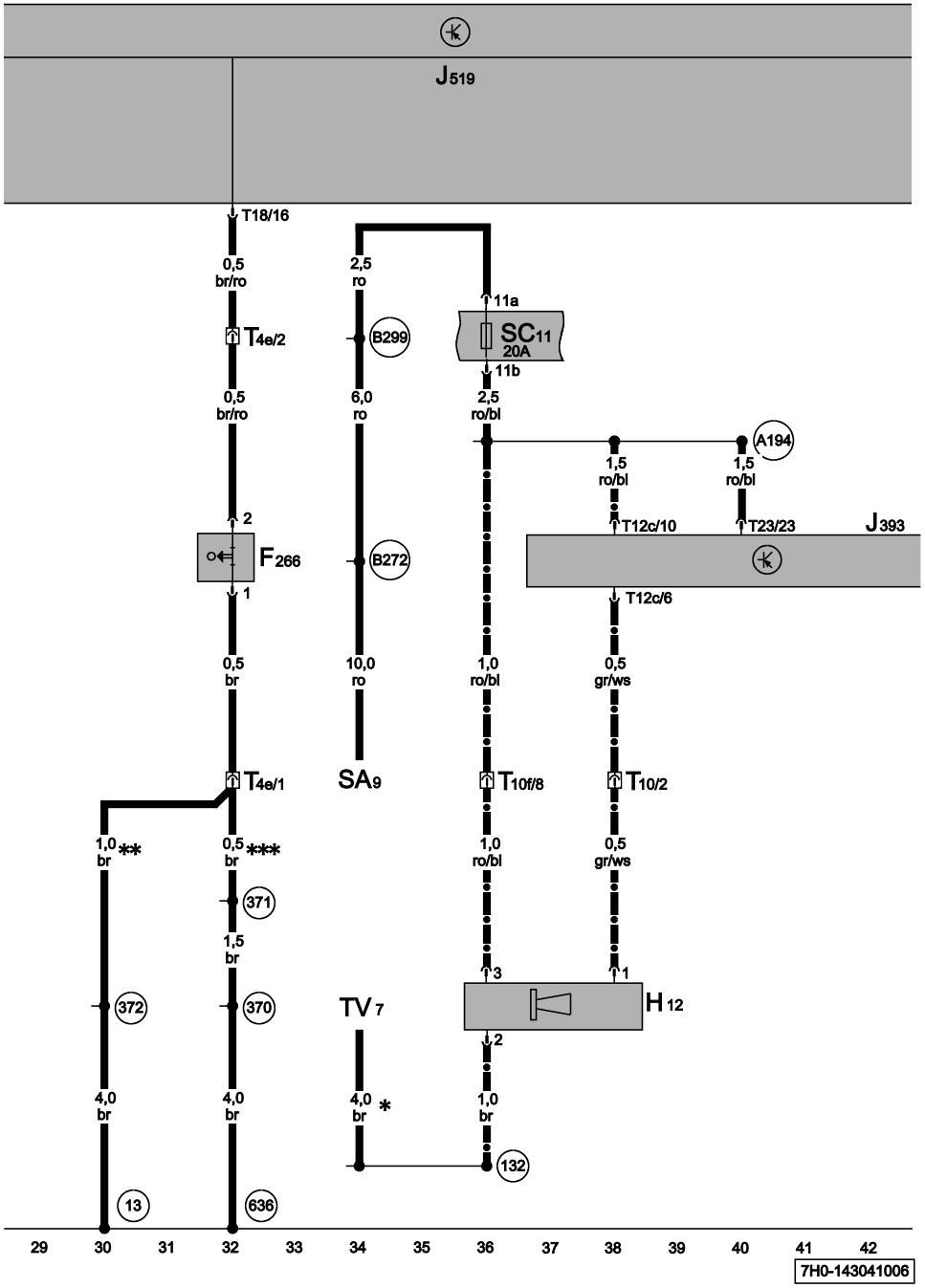
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T6l	6-pin connector, brown, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger mirror adjustment motor, front passenger side heated exterior mirror

J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T6k	6-pin connector, brown, coupling station on right of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
206	Earth connection, in door wiring harness, front passenger side
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness



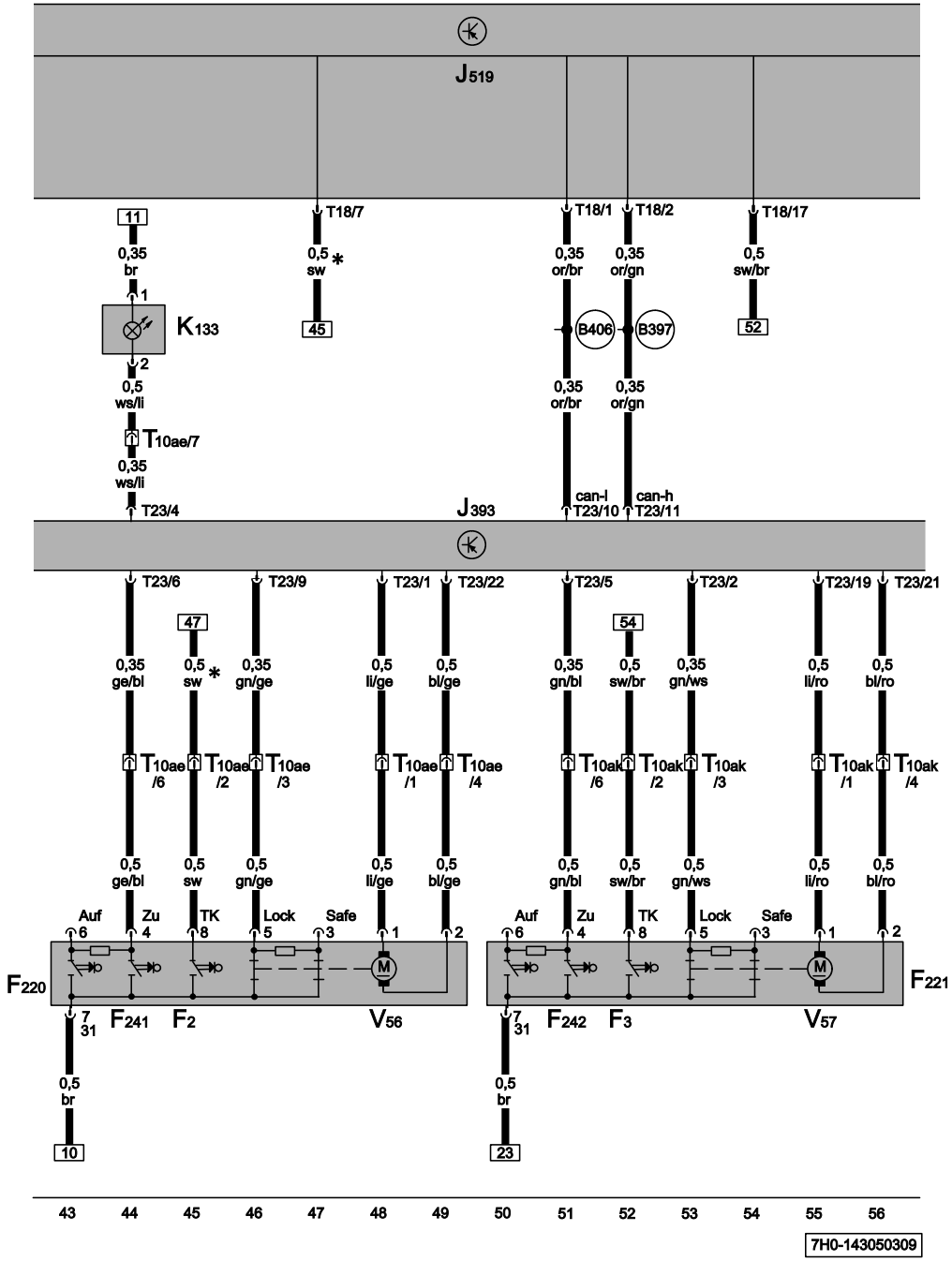
Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
13	Earth point, on right in engine compartment
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
372	Earth connection 7, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
**	applicable up to December 2005
***	applicable from January 2006
<fo:external-graphic src="/../PDOC/samba/	for models with anti-theft alarm system only

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rs	=	pink

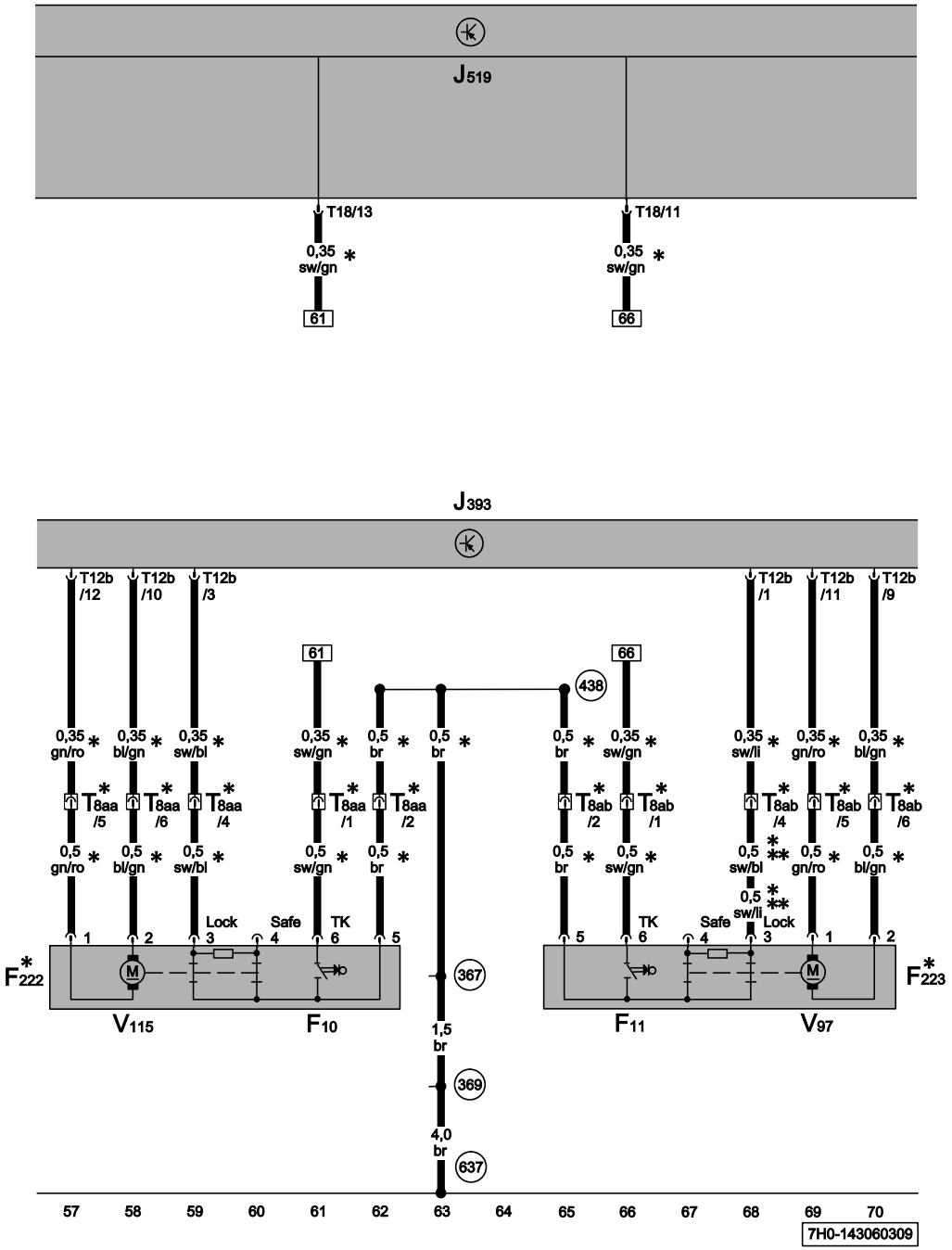
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Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models without taxi equipment only

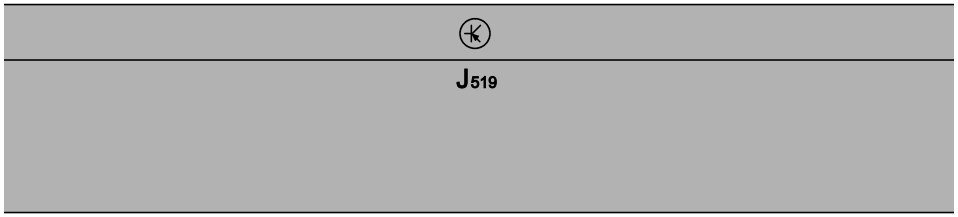
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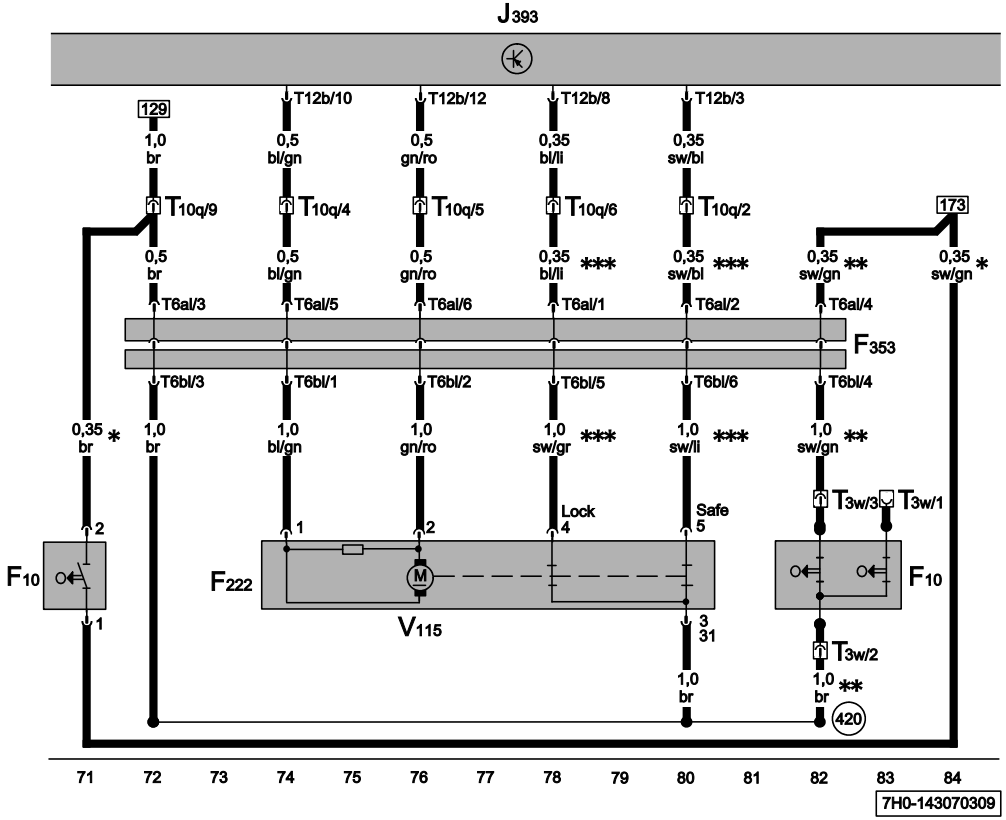


Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
438	Earth connection 3, in roof wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

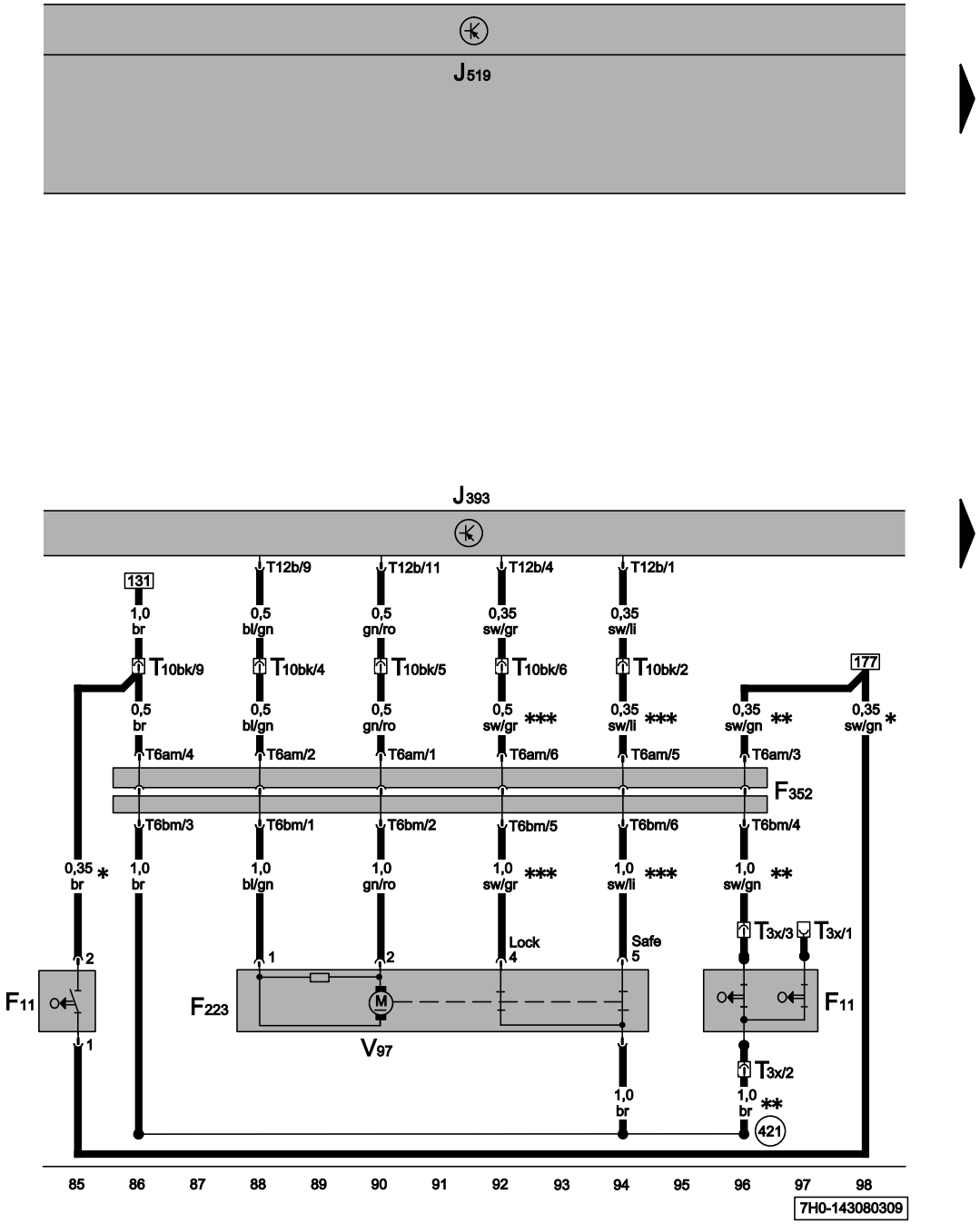




Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system
**	for models with mechanical sliding door and anti-theft alarm system only
***	only models without electric sliding door

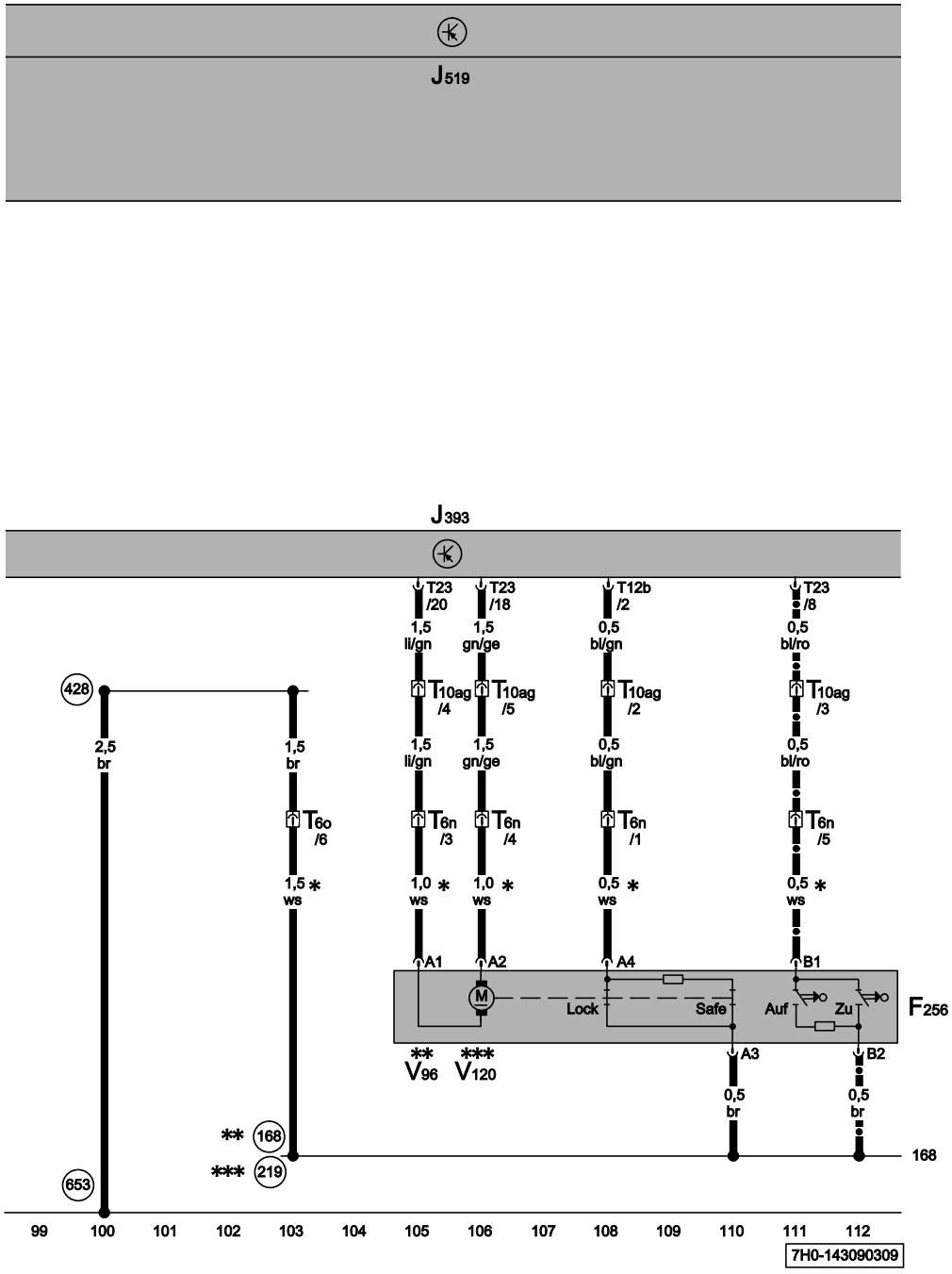
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gn	=	green
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system
**	for models with mechanical sliding door and anti-theft alarm system only
***	only models without electric sliding door

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

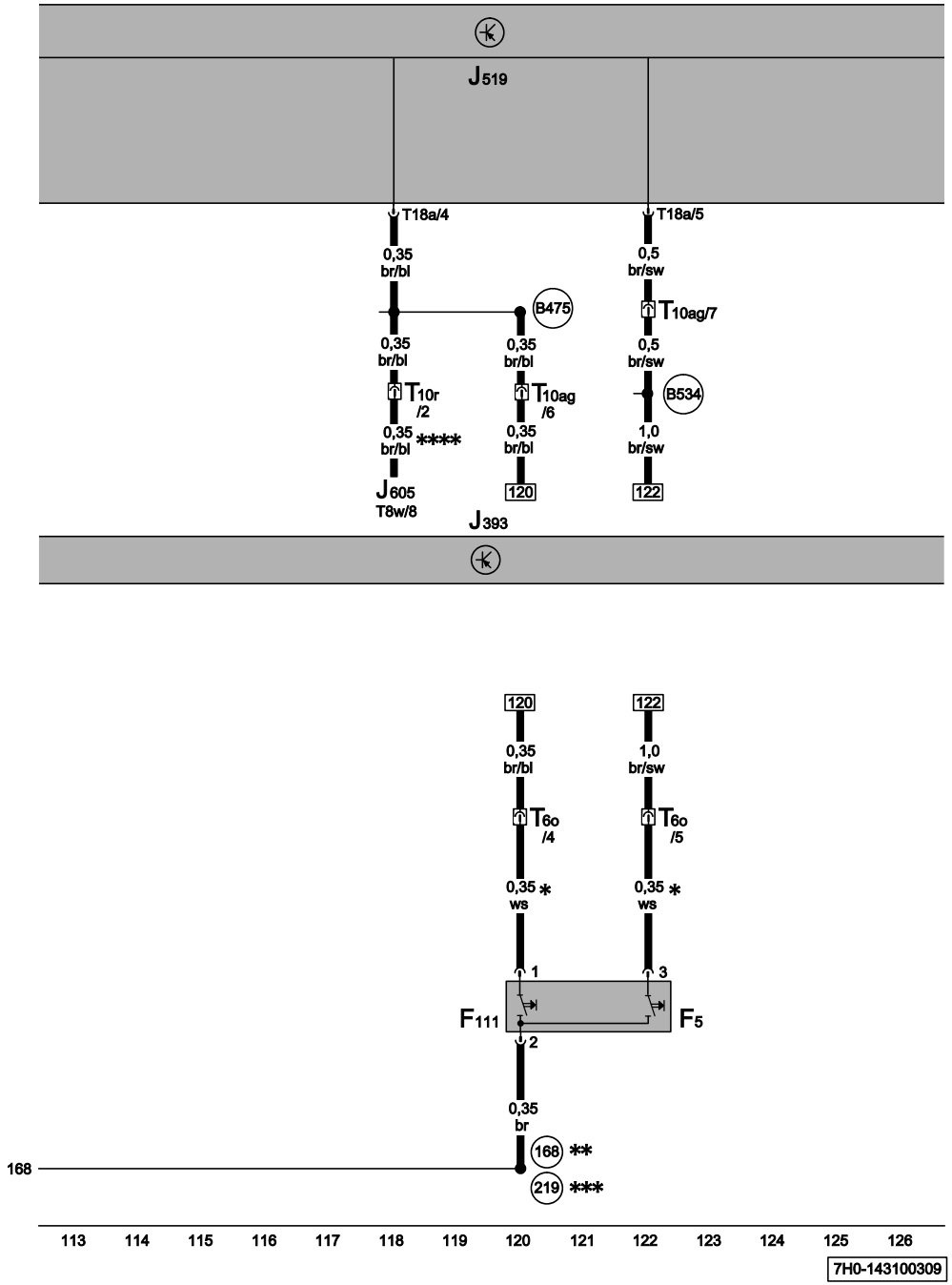


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
<fo:exter	Wire discontinued from May 2006

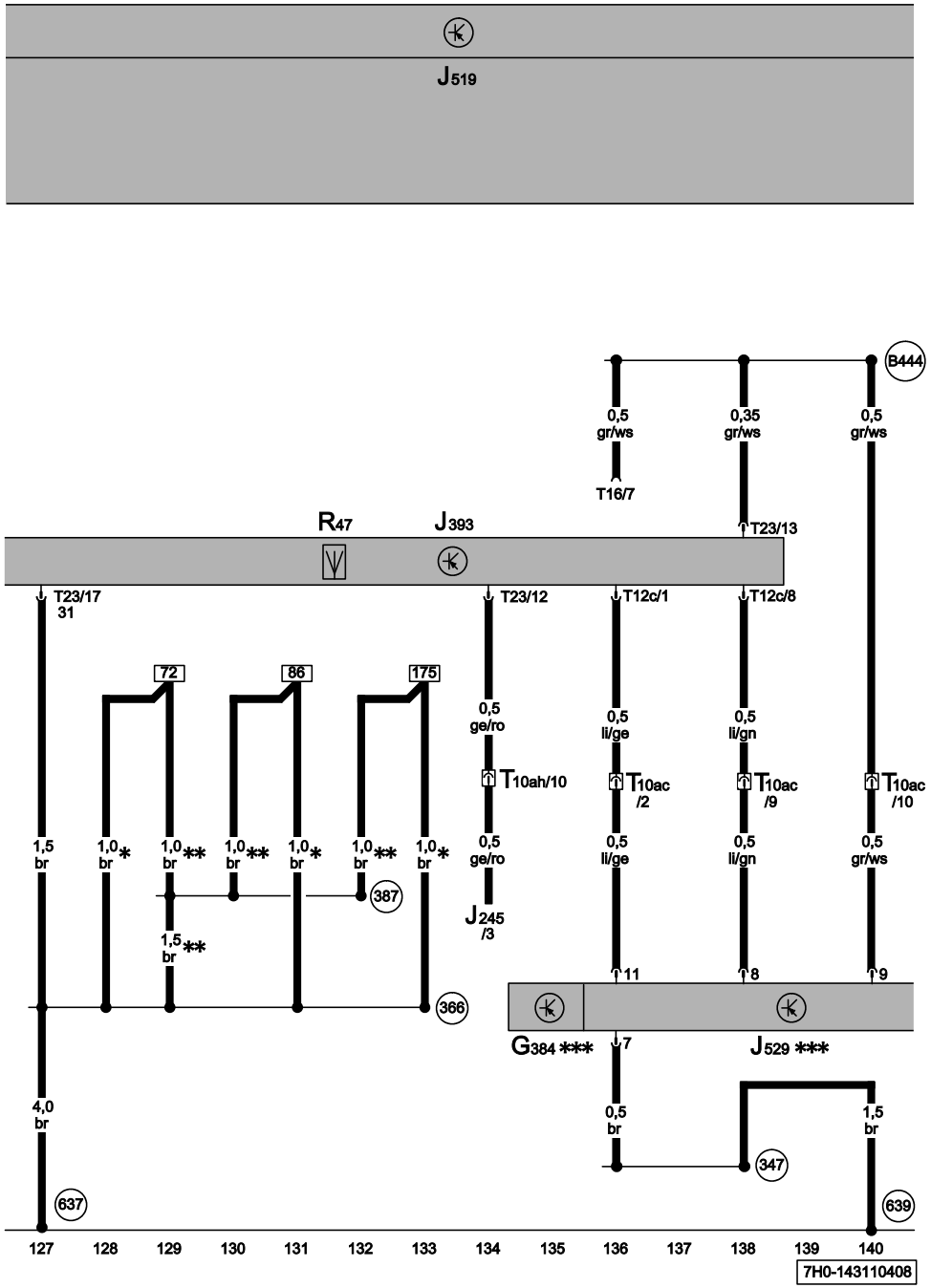
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with rear lid and power latching system only

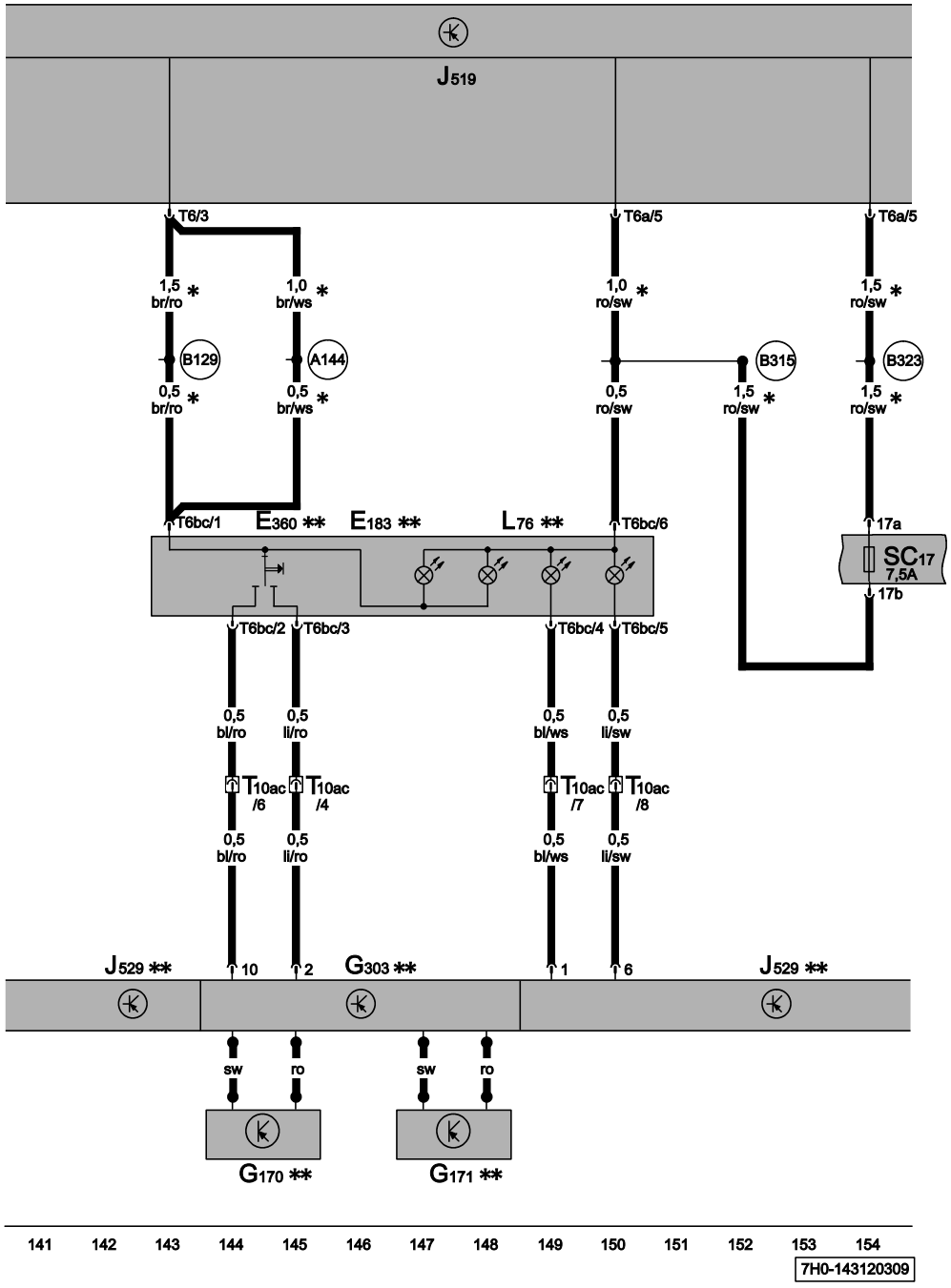
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to December 2005
**	applicable from January 2006
***	for models with anti-theft alarm system only 7AL/7AQ

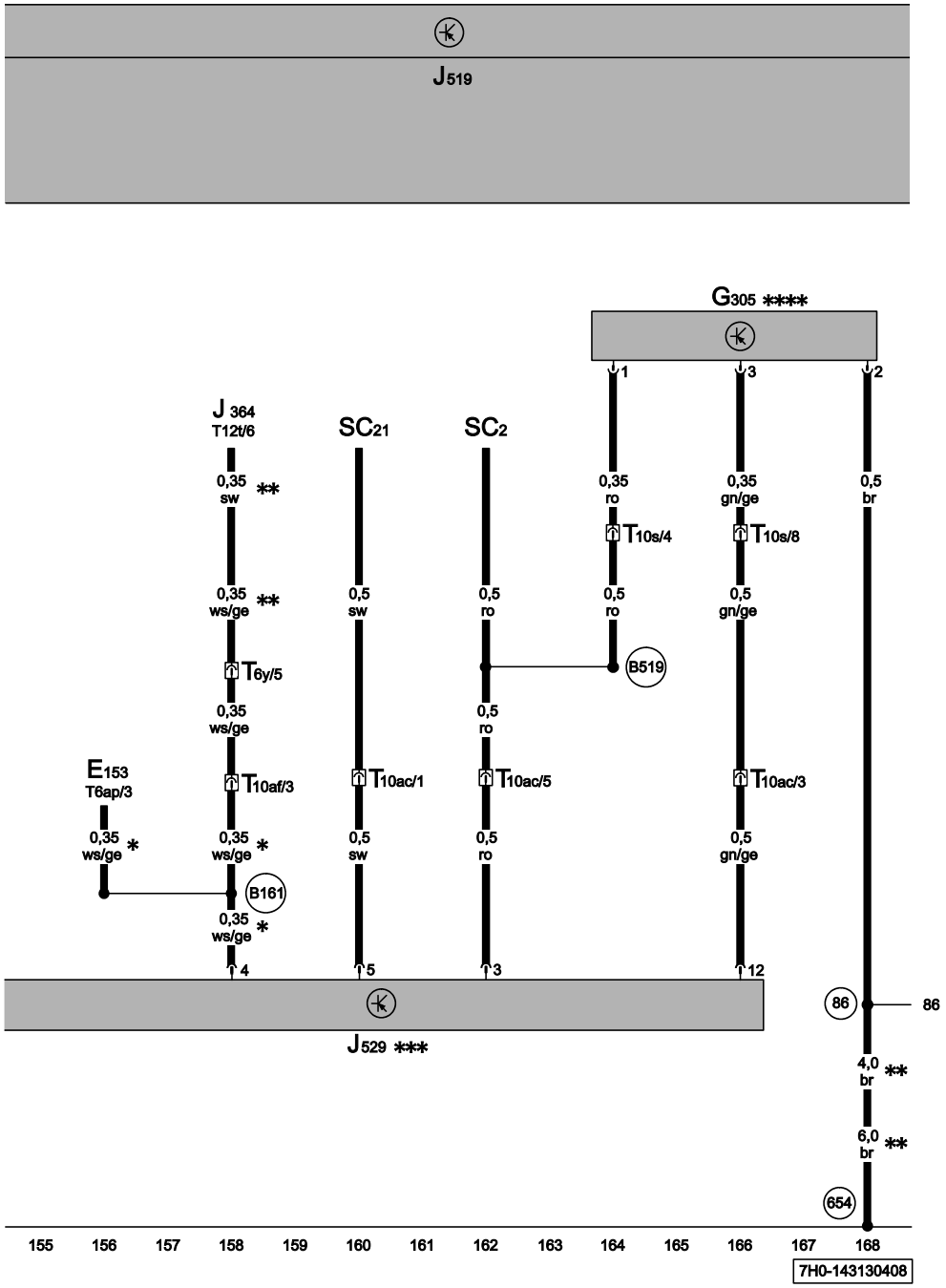
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br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

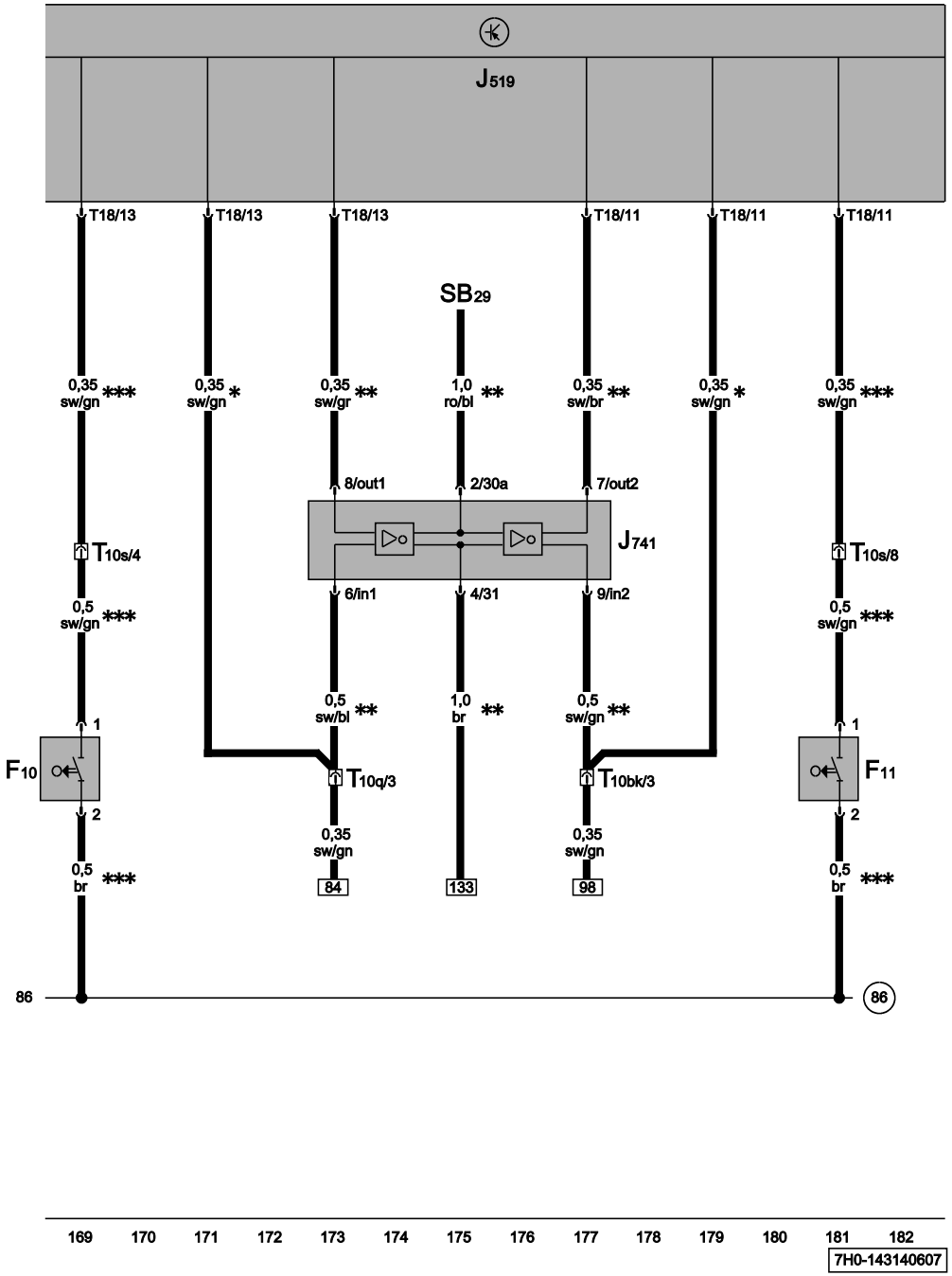
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
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rs = pink

Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



ws = white
sw = black
ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	applicable up to December 2005, only models with mechanical sliding door and without anti-theft alarm system/ electric sliding door/ power latching system
**	for models with mechanical sliding door and anti-theft alarm system only
***	applicable from January 2006, only models with mechanical sliding door and without anti-theft alarm system/ electric sliding door/ power latching system

Adapter wire inverter relay

⇒ **mechanical sliding door**

from March 2003

Notes:

For information concerning

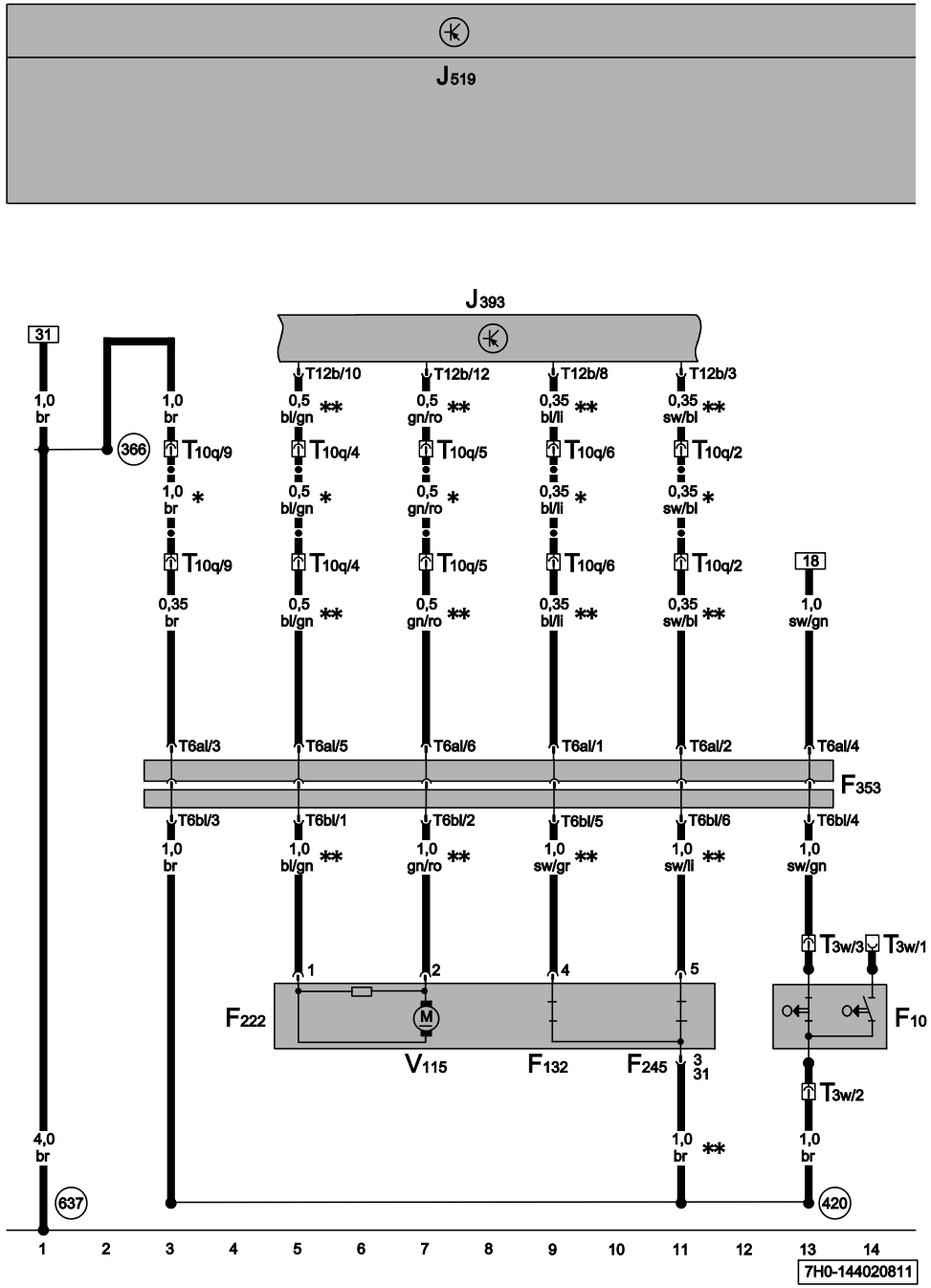
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

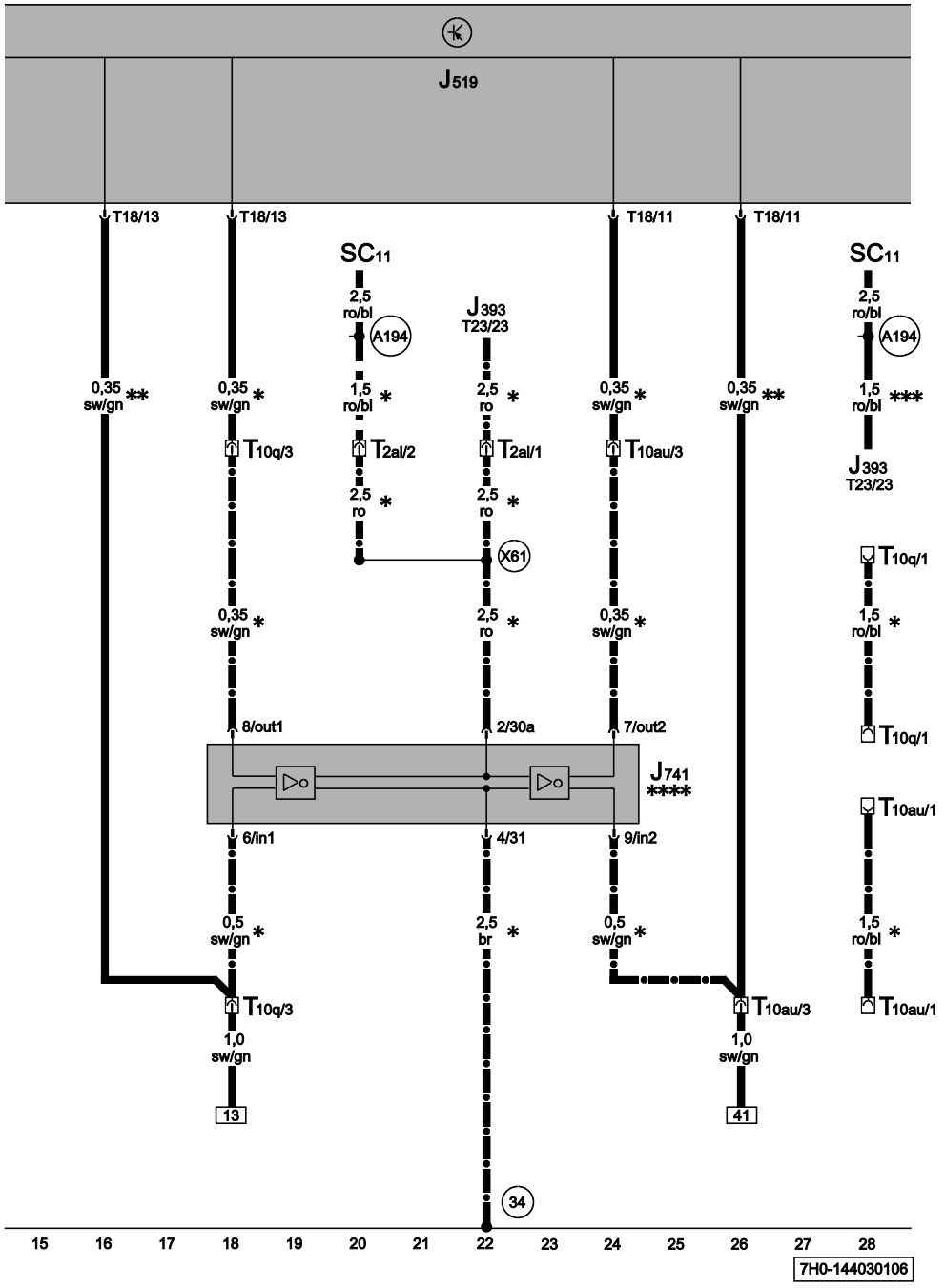


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sw = black
ro = red
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F132	Rear left central locking actuator
F222	Rear left central locking lock unit
F245	Rear left door central locking actuator for deadlock function
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
366	Earth connection 1, in main wiring harness
420	Earth connection 1, in left sliding door wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door only
**	for models with central locking only

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adapter wire inverter relay, applicable up to May 2003



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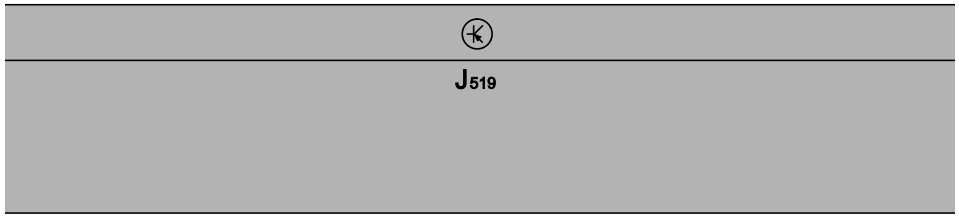
Onboard supply control unit, dual signal inverter relay

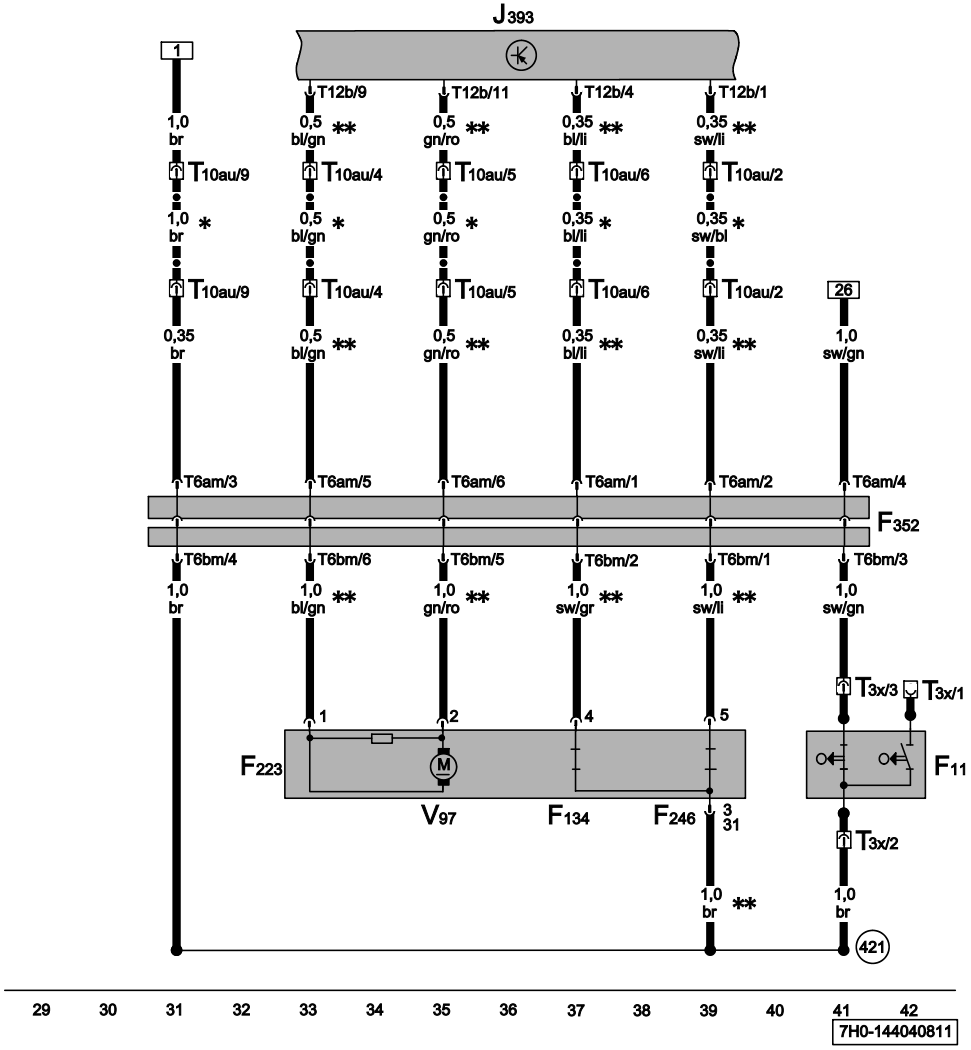
J393	Convenience system central control unit
J519	Onboard supply control unit
J741	Dual signal inverter relay
SC11	Fuse 11 on fuse holder C
T2al	2-pin connector, black, under driver seat
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
T23	23-pin connector
34	Earth point, under driver seat
A194	Connection (convenience system), in main wiring harness
X61	Positive connection (30), in optional equipment wiring harness
*	for models with mechanical sliding door only
**	for models with electric sliding door/ power latching system only
***	for models without adapter wire inverter relay only
****	On relay carrier, left seat box, ⇒ Fitting Locations

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adapter wire inverter relay, applicable up to May 2003

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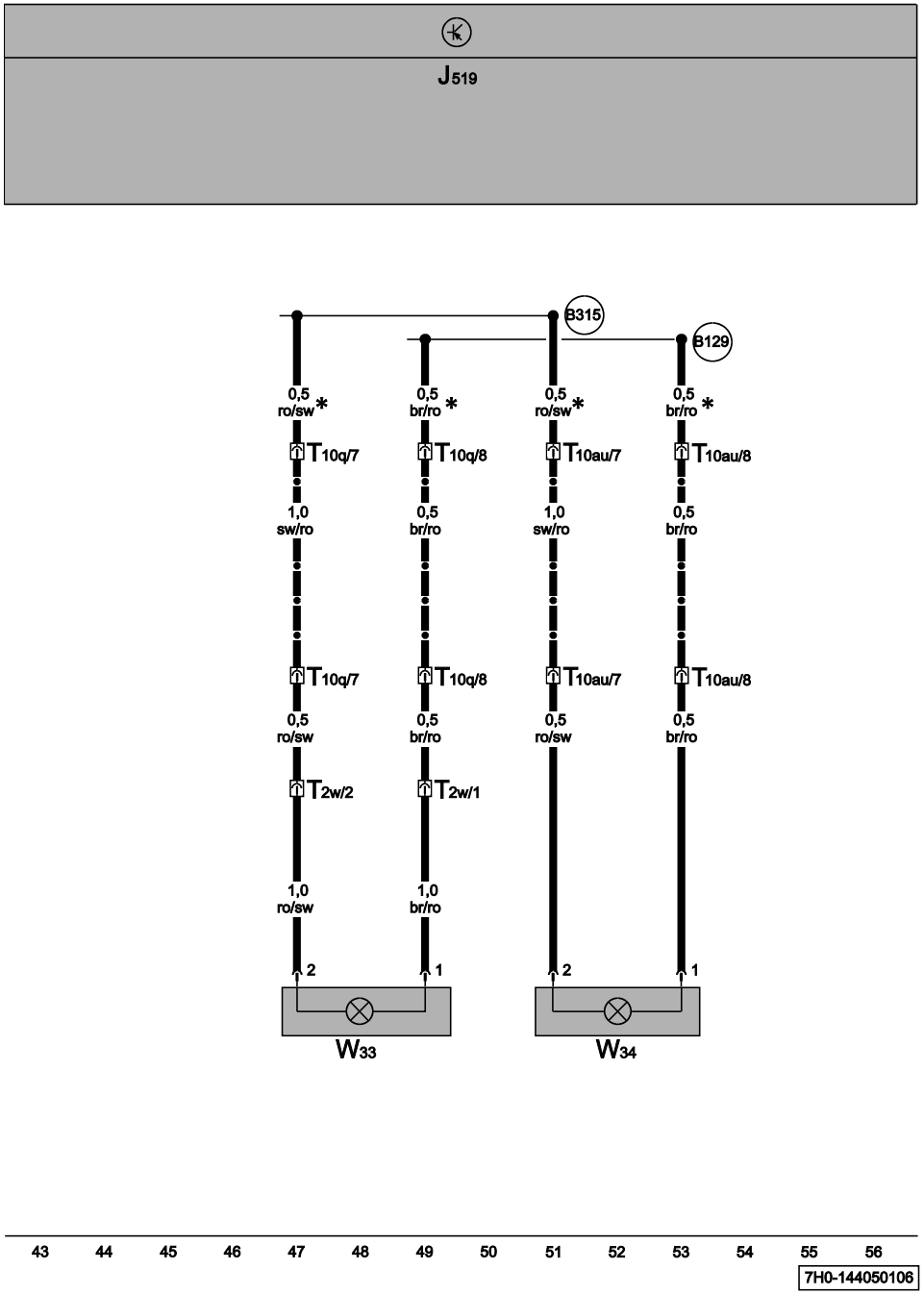




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F134	Rear right central locking actuator
F223	Rear right central locking lock unit
F246	Rear right door central locking actuator for deadlock function
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10au	10-pin connector, black, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door only
**	for models with central locking only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	adapter wire inverter relay, applicable up to May 2003



Rear left entry light, rear right entry light

J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
W33	Rear left entry light
W34	Rear right entry light
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	⇒ Interior light Current Flow Diagram

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adapter wire inverter relay, applicable up to May 2003

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bl	=	blue
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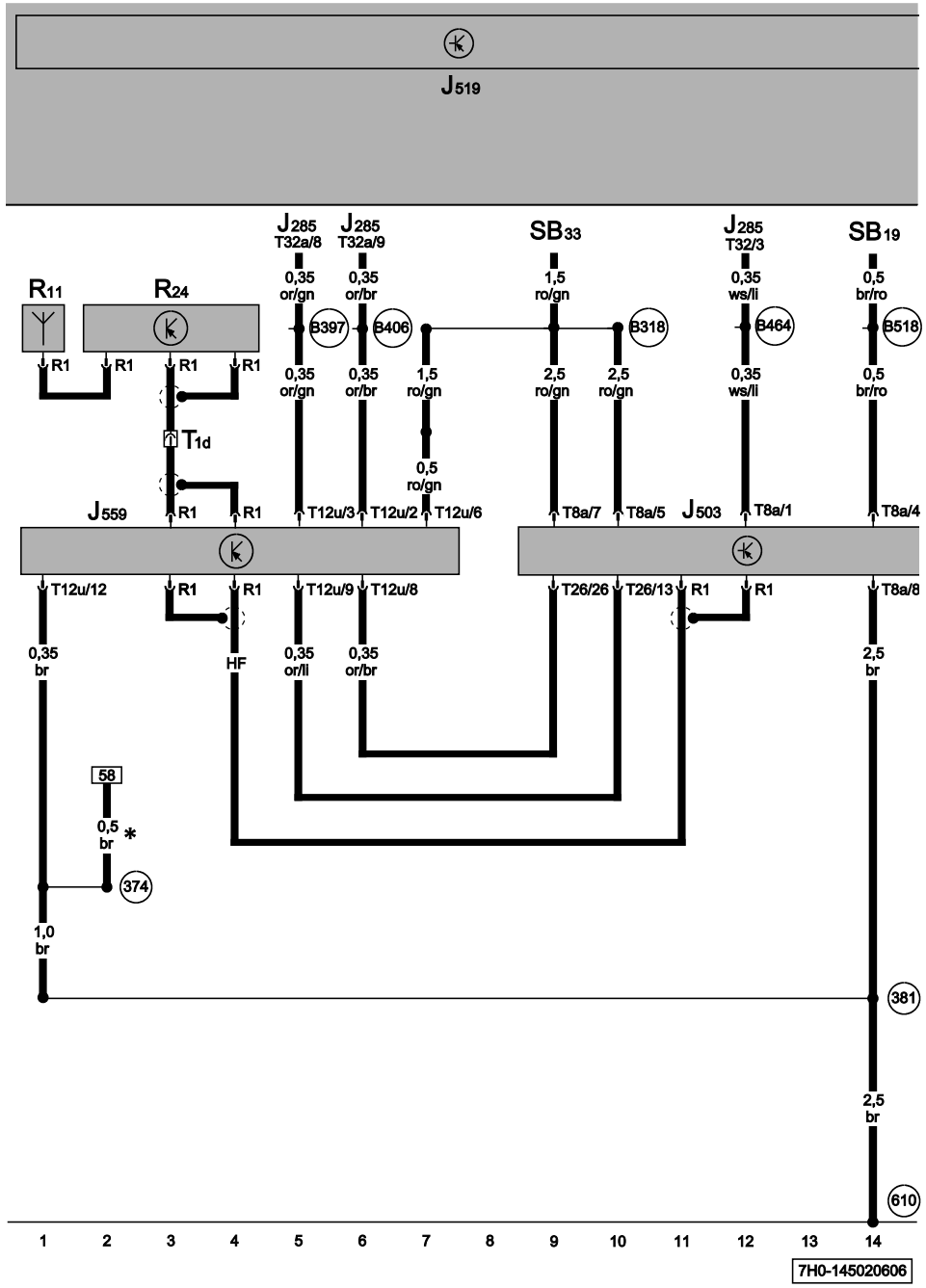
Radio and navigation system with colour display

⇒ **Traffic information control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

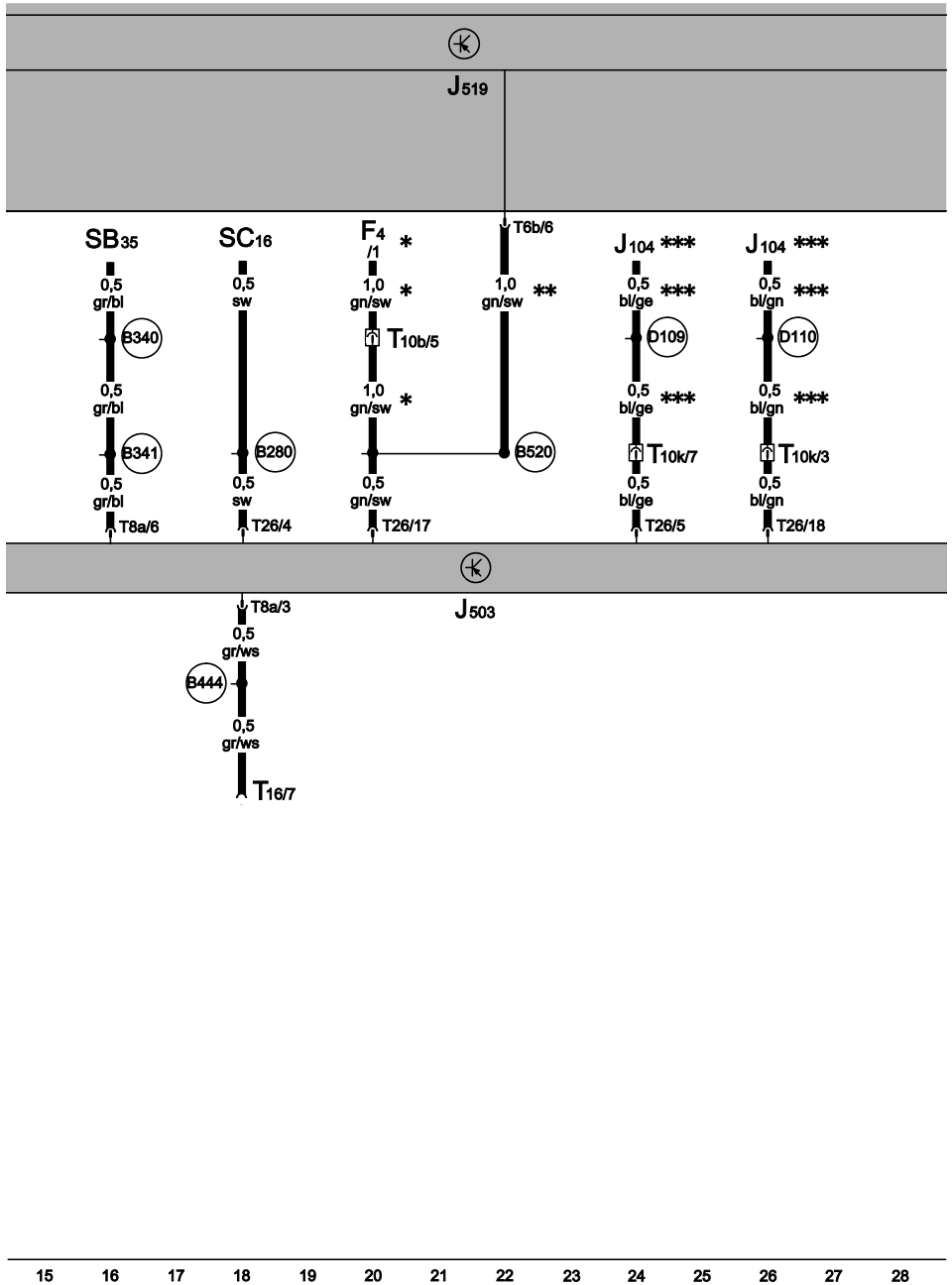
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply, traffic information control unit, aerial, aerial amplifier

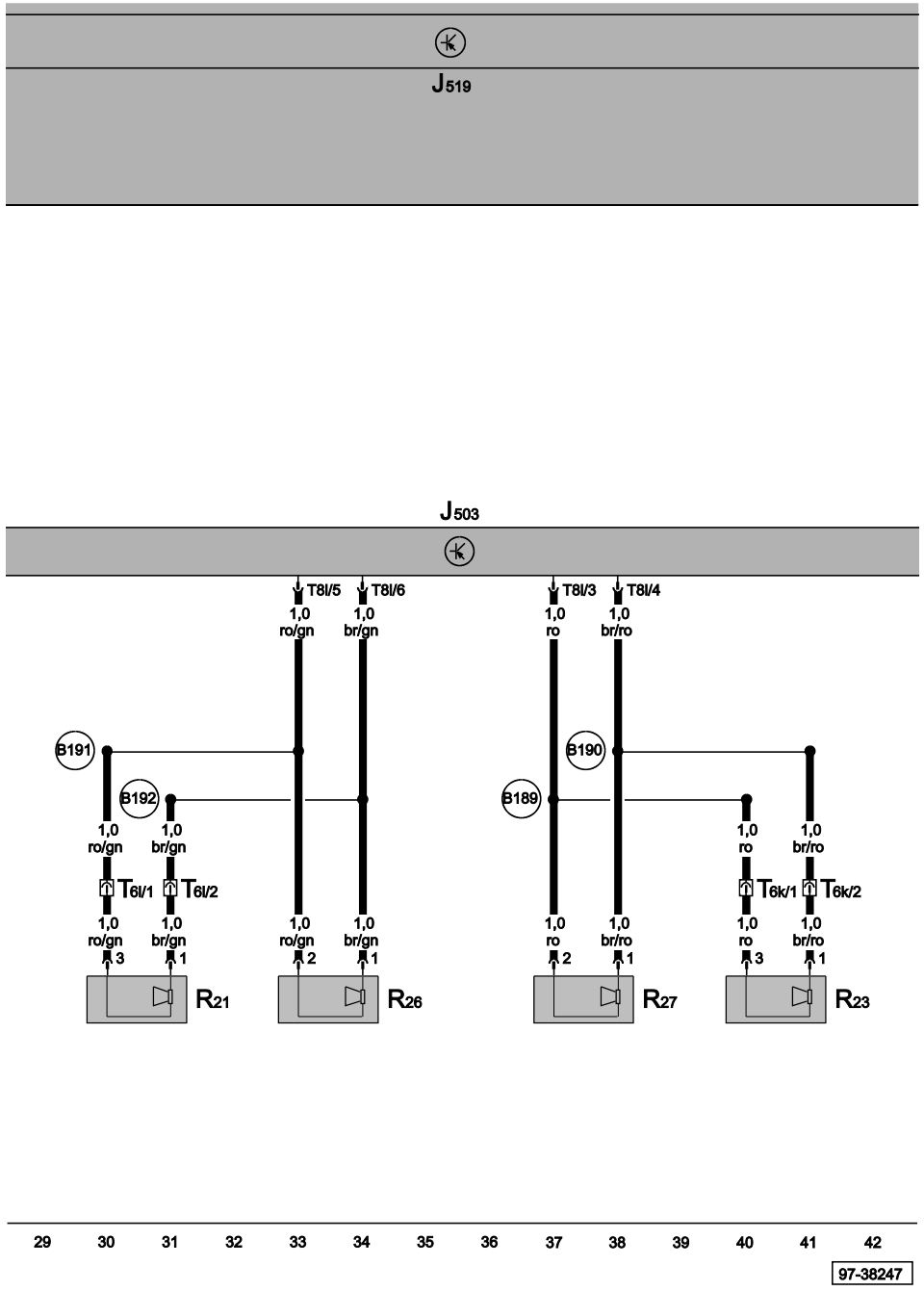
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12u	12-pin connector, black
T26	26-pin connector
T32	32-pin connector, blue
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only



Control unit with display for radio and navigation system, voltage supply, reversing light switch

F4	Reversing light switch
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T6b	6-pin connector, red
T8a	8-pin connector, black
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T26	26-pin connector
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only
***	depends on equipment ⇒ ABS Current Flow Diagram

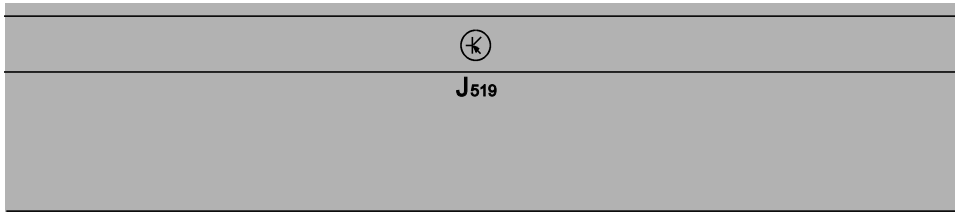
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, front loudspeaker

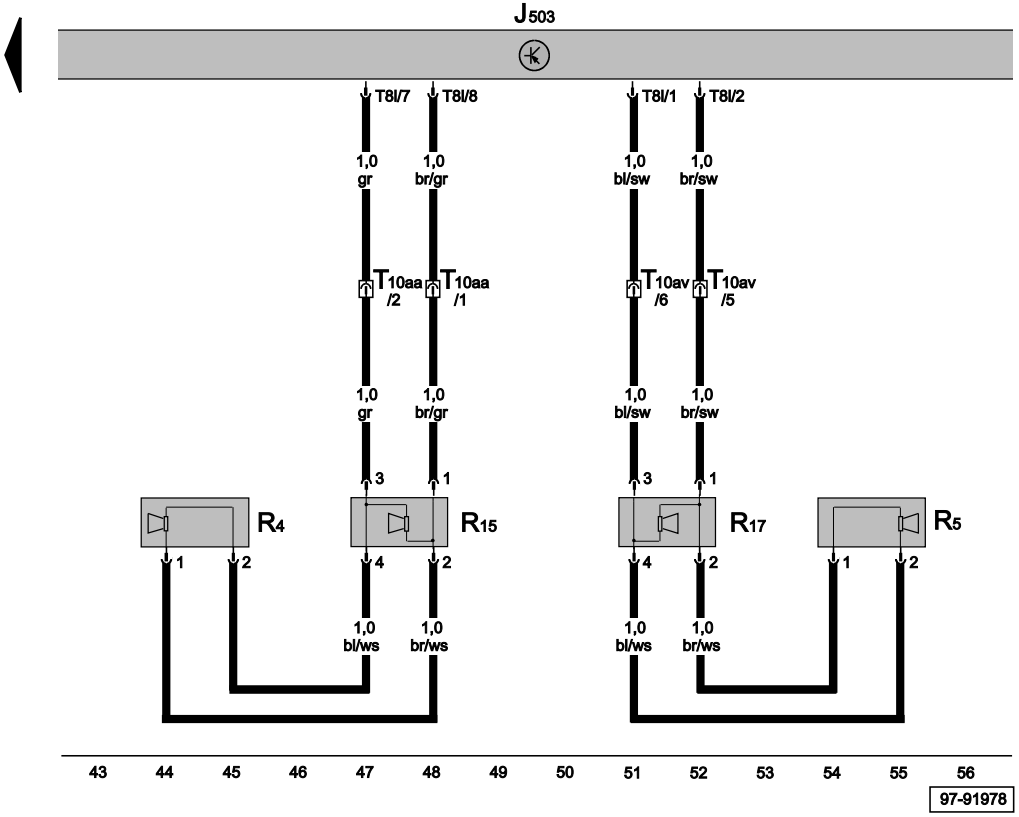
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8l	8-pin connector, brown
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

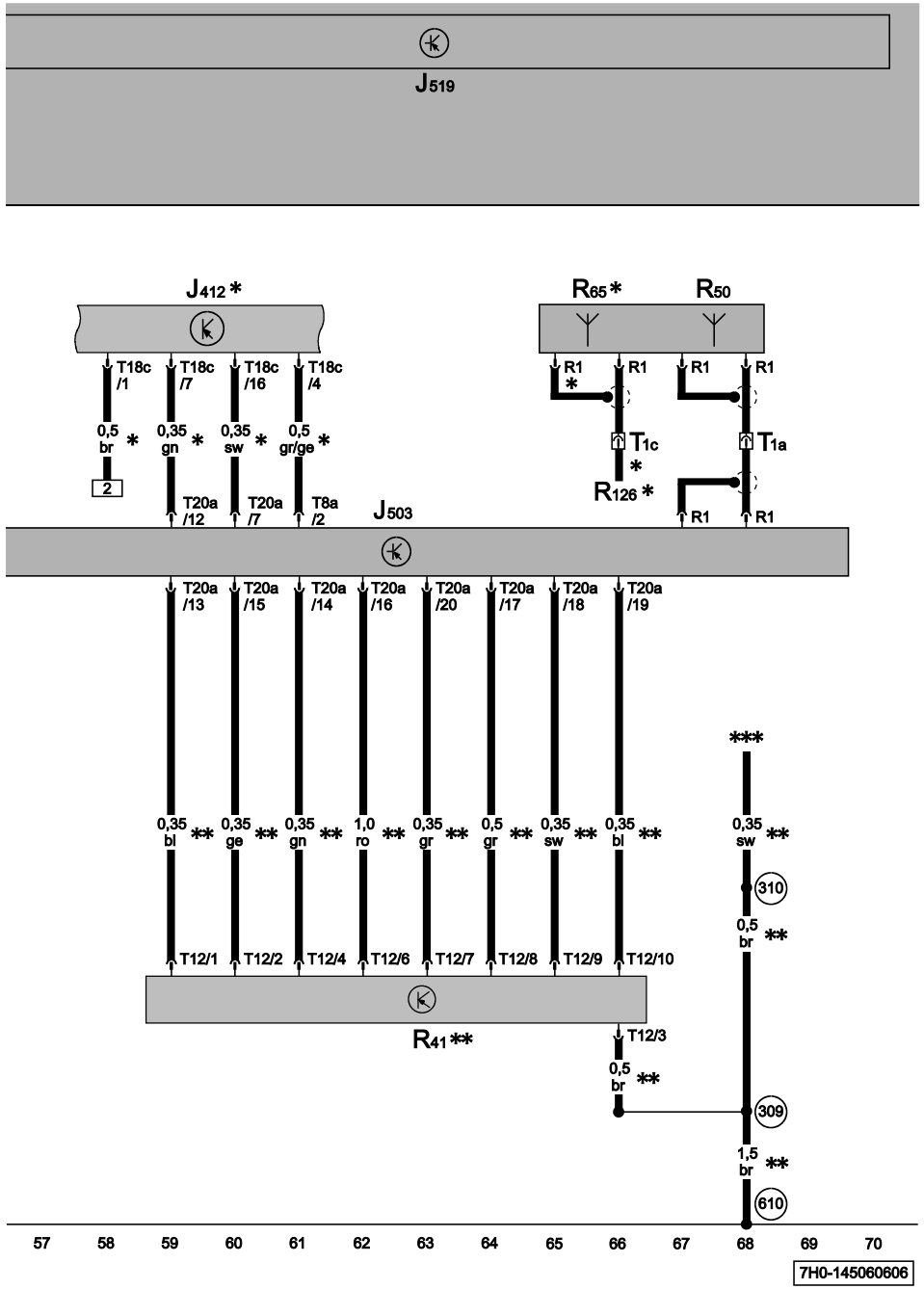


Control unit with display for radio and navigation system, rear loudspeaker (for models with rear loudspeaker only)

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
**	for models with CD changer of prepared for CD changer only
***	Wiring open end

Radio system Delta with sound package

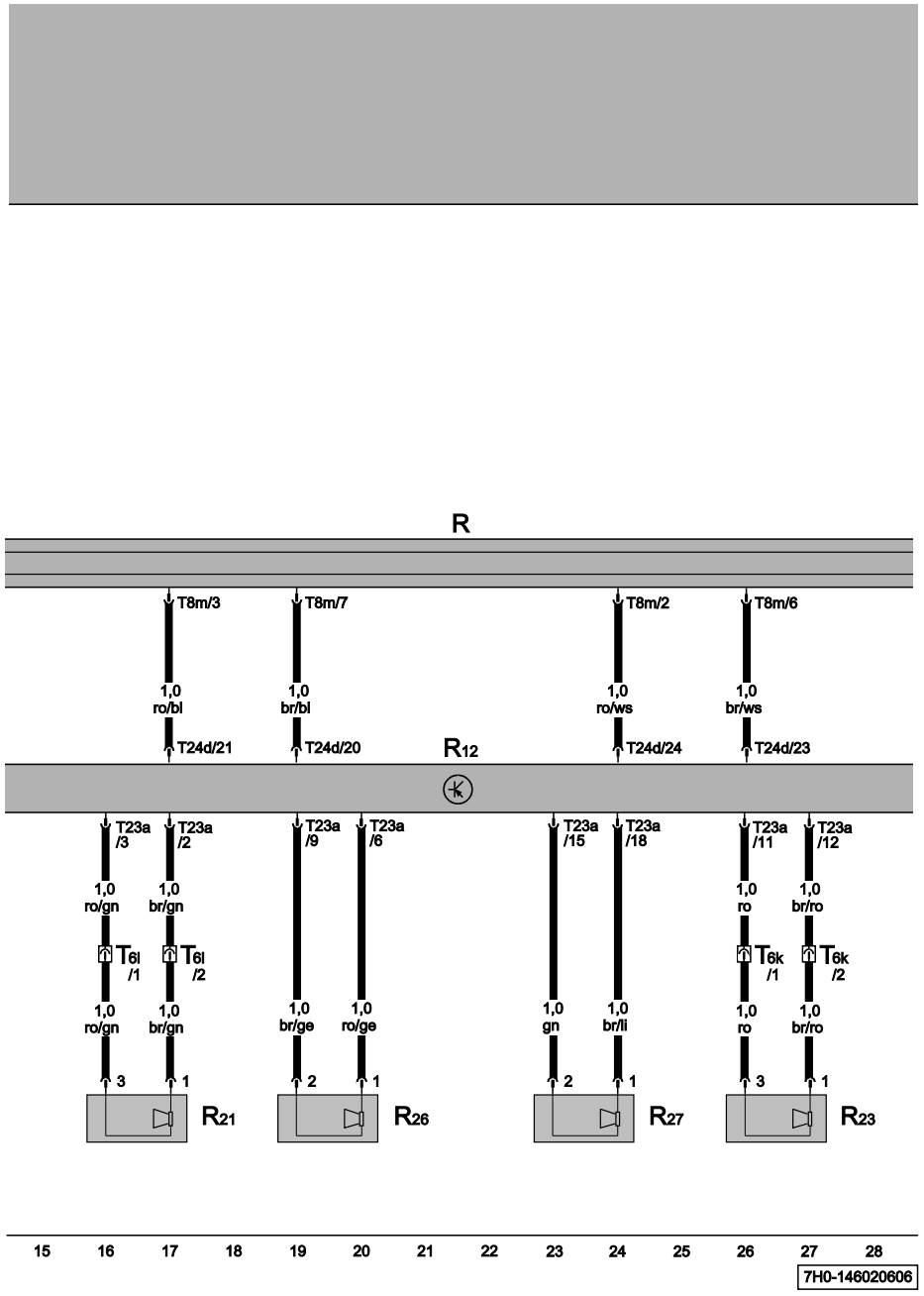
⇒ **8 channel amplifier**
⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

2



Voltage supply, radio, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

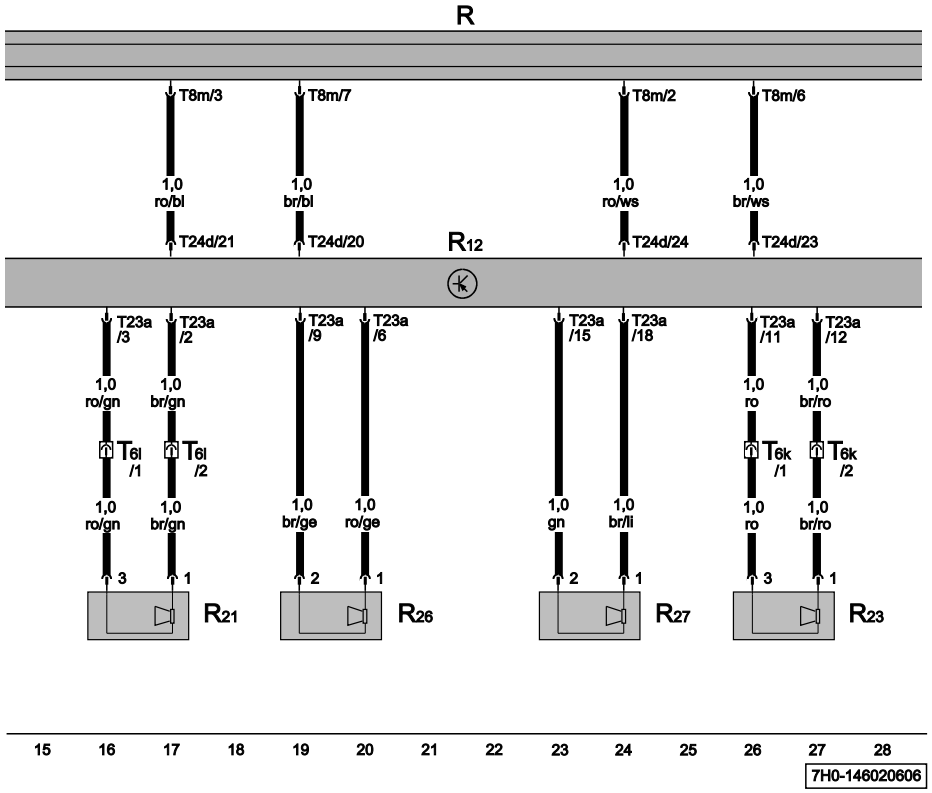
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2

Radio, amplifier, front loudspeakers

R	Radio
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
T23a	23-pin connector, red
T24d	24-pin connector, brown

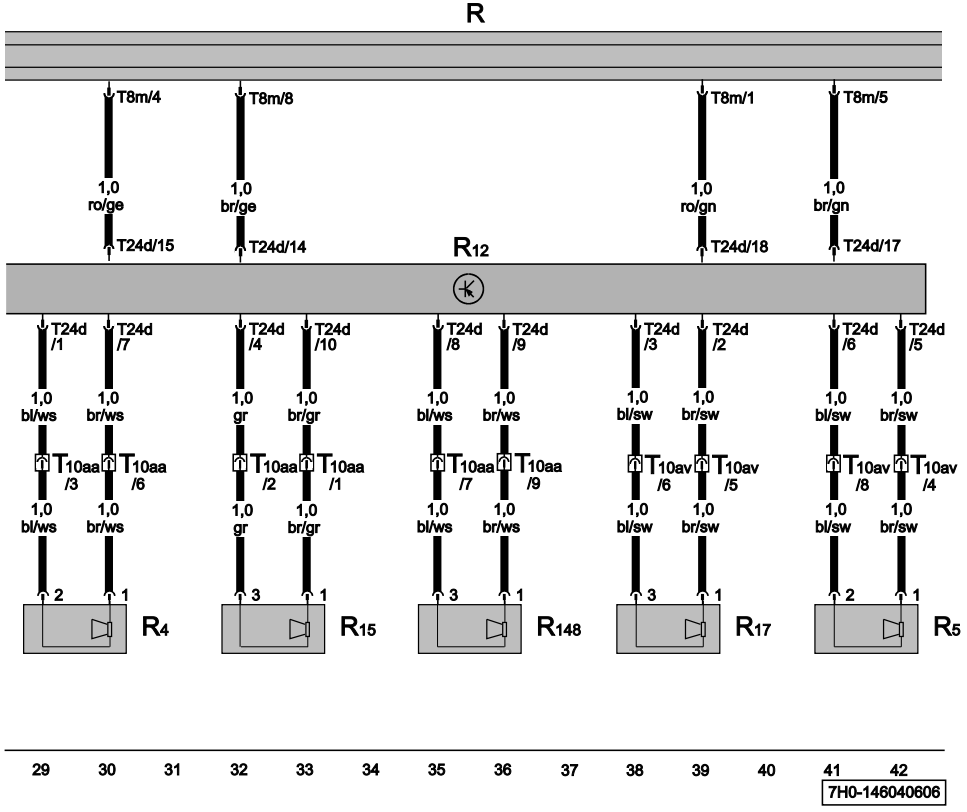




ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, amplifier, rear loudspeakers, middle loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

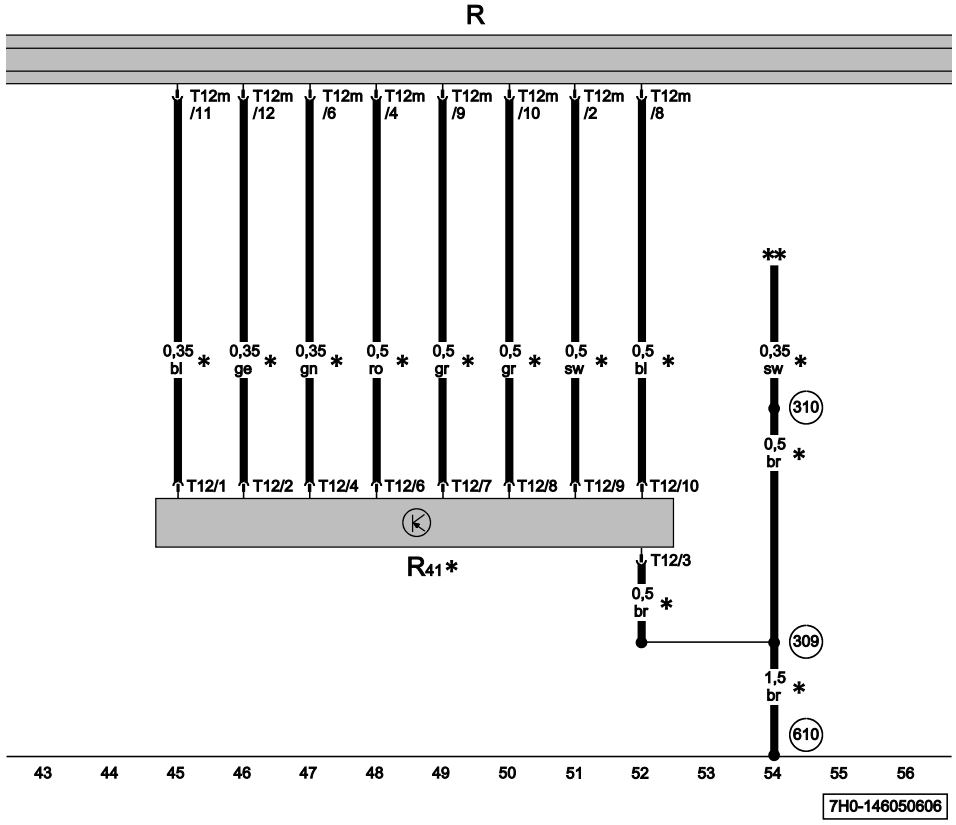


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



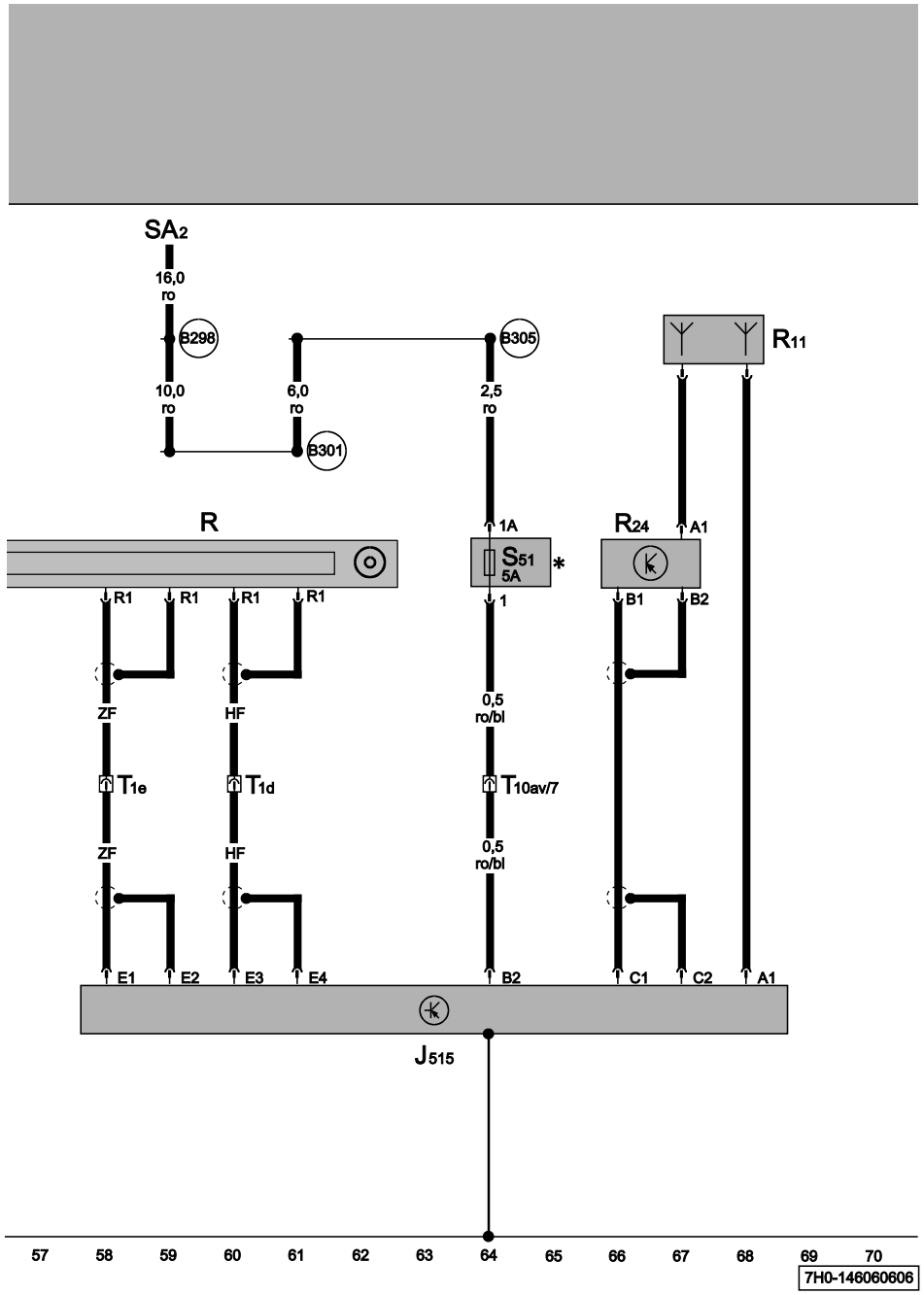
Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier



J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

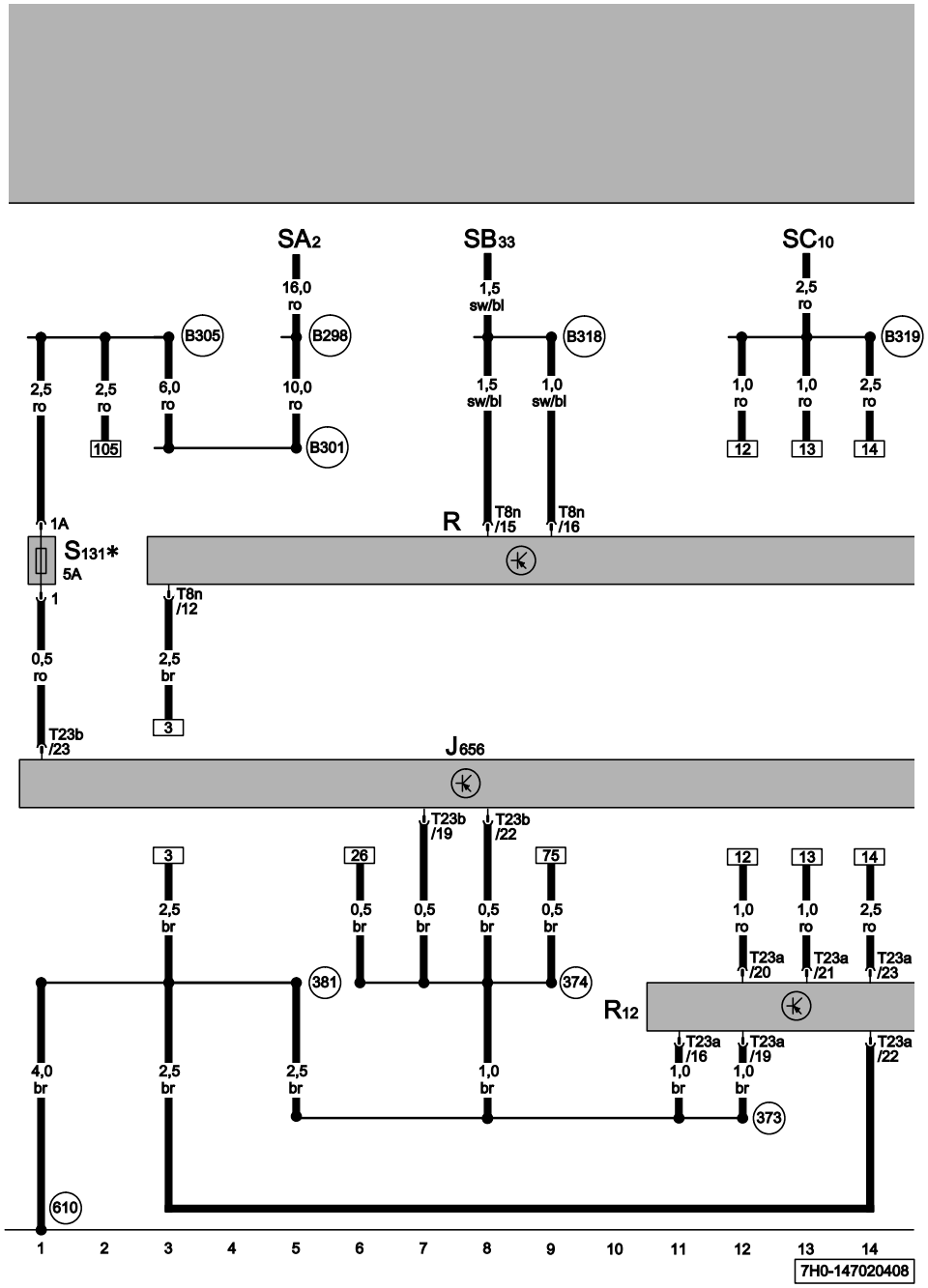
Radio system Delta with sound package and voice amplification

⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

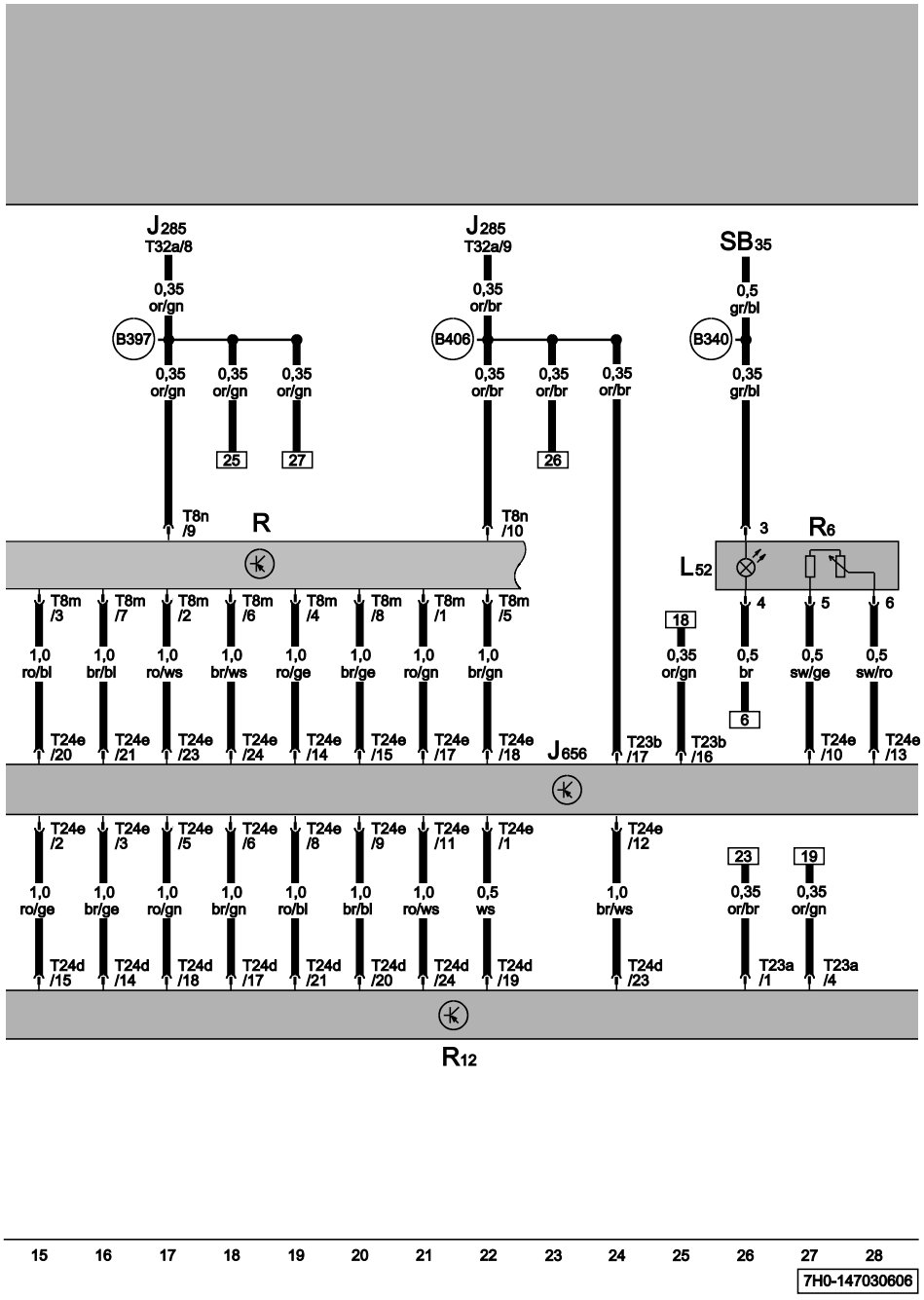
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, radio, voice amplification control unit, amplifier

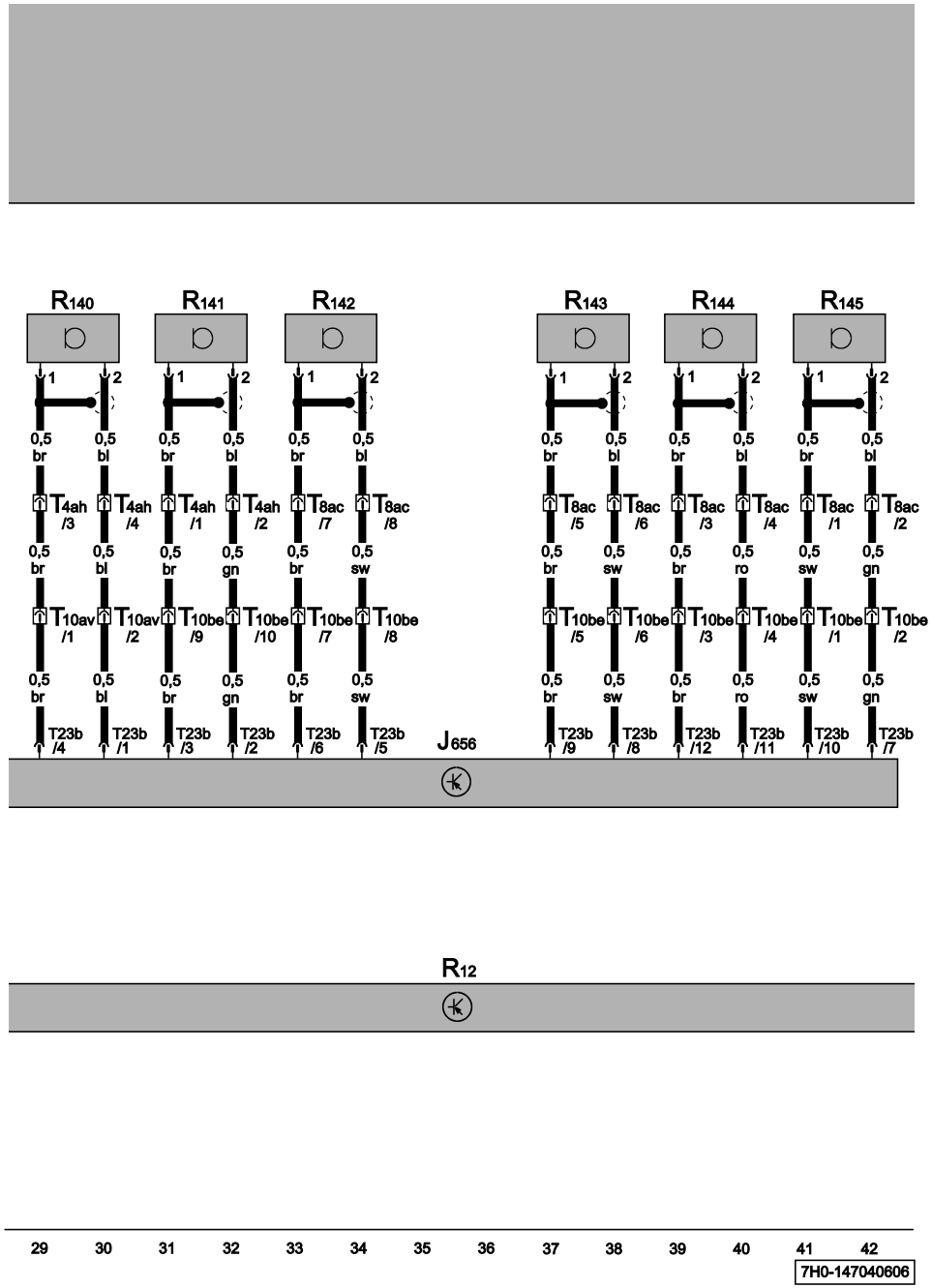
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations



Radio, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J656	Voice amplification control unit
L52	Light connection for fader regulator
R	Radio
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



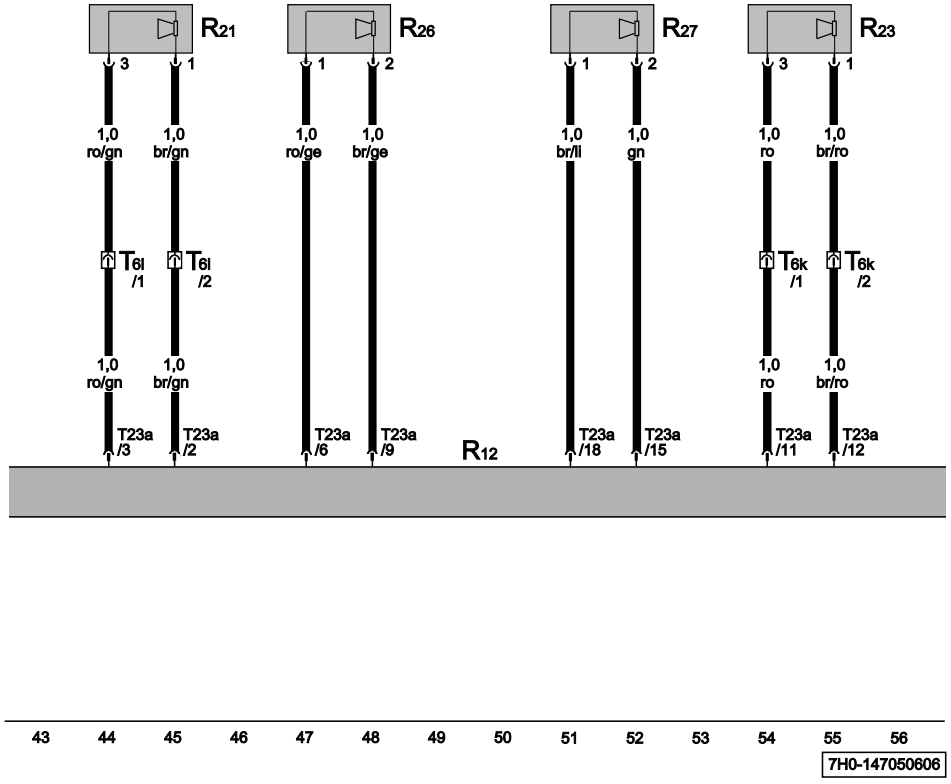
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

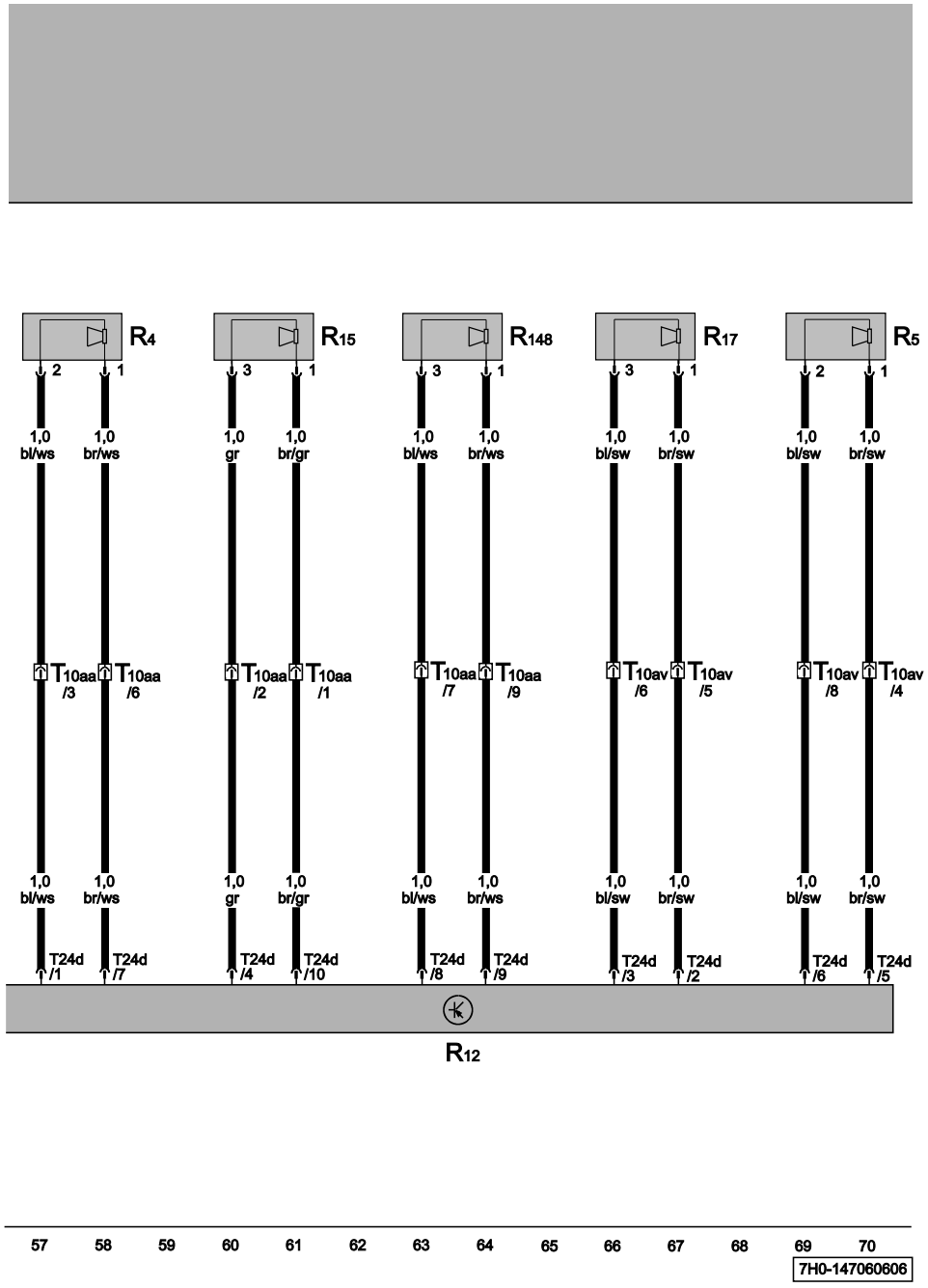
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T23a	23-pin connector, red



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeakers, middle loudspeaker

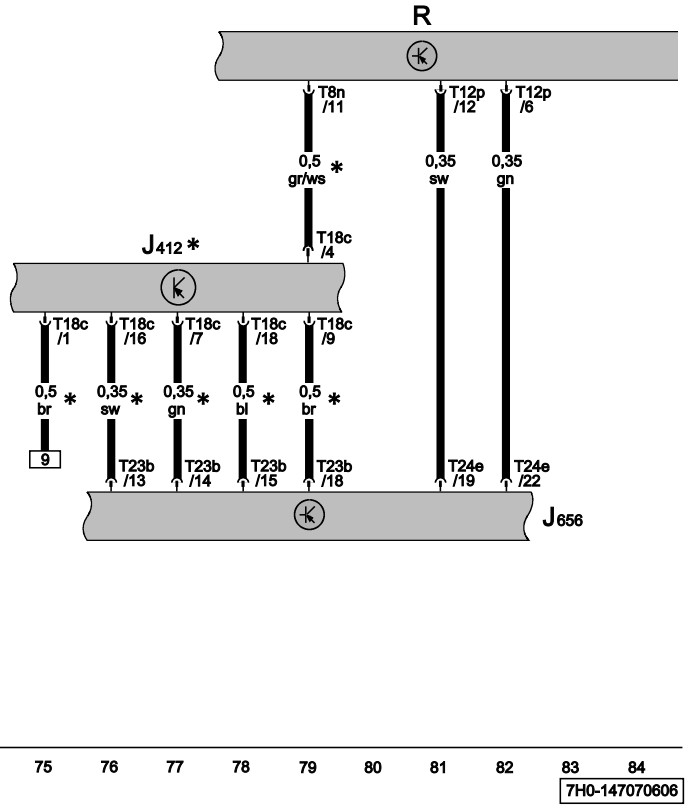
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, voice amplification control unit, mobile telephone operating electronics control unit, aerial, aerial amplifier

J412	Mobile telephone operating electronics control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

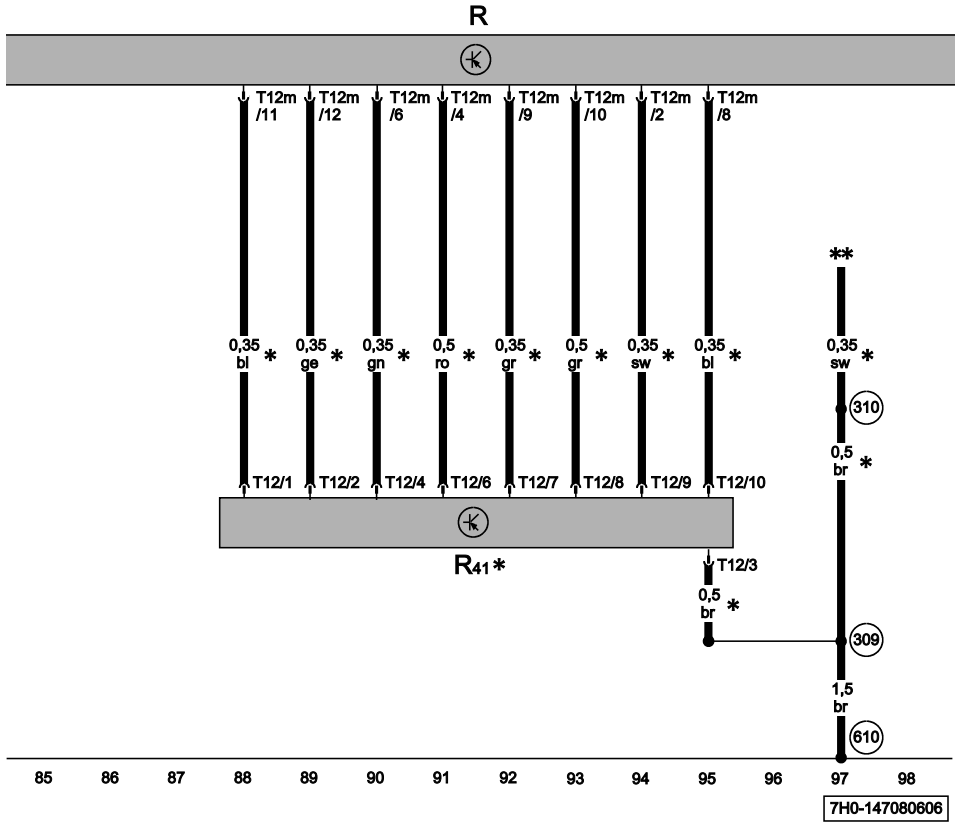




ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, CD changer

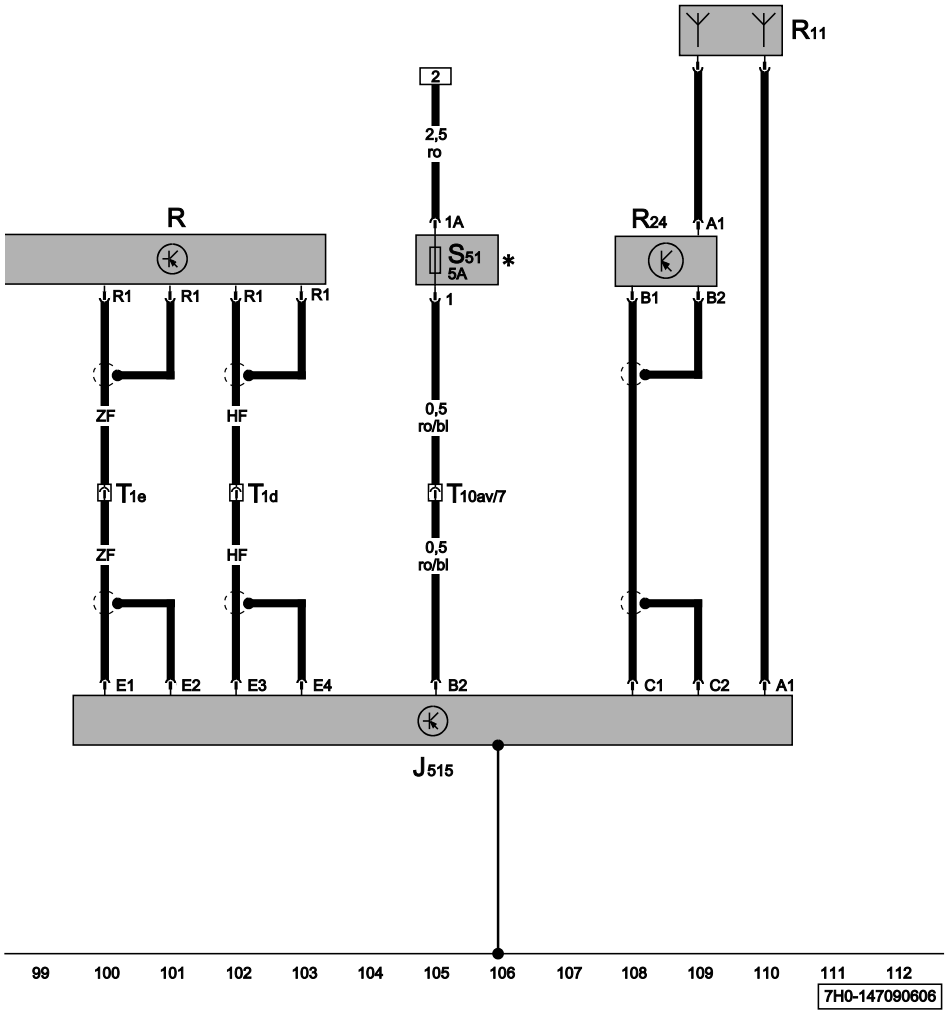
R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
*	On relay carrier, left seat box, ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

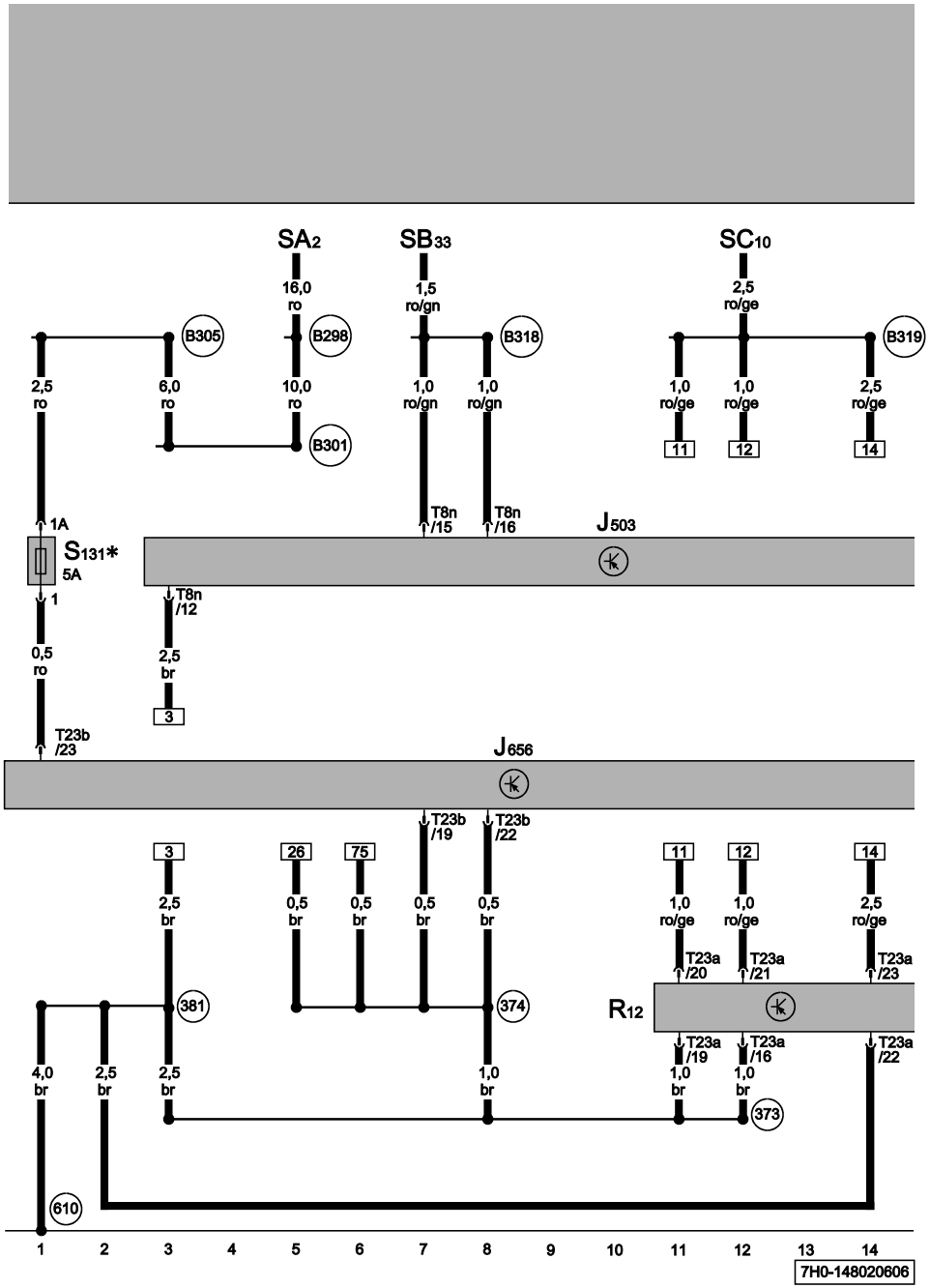
Radio and navigation system (RNS-DVD) with colour display, sound package and voice amplification (DVE)

⇒ **digital 8 channel amplifier**
⇒ **8 loudspeakers, 1 middle loudspeaker**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from June 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

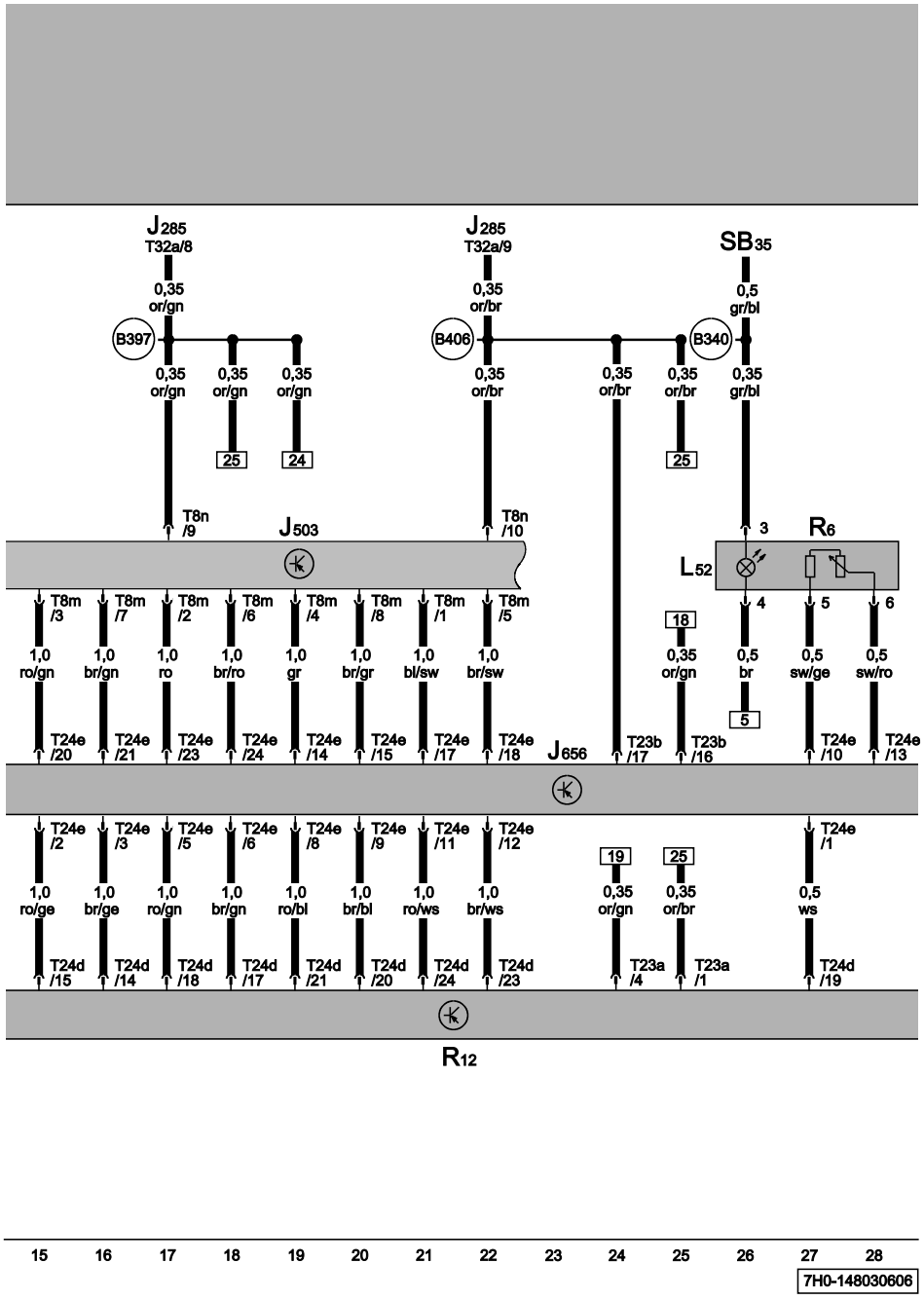
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system, voice amplification control unit, amplifier

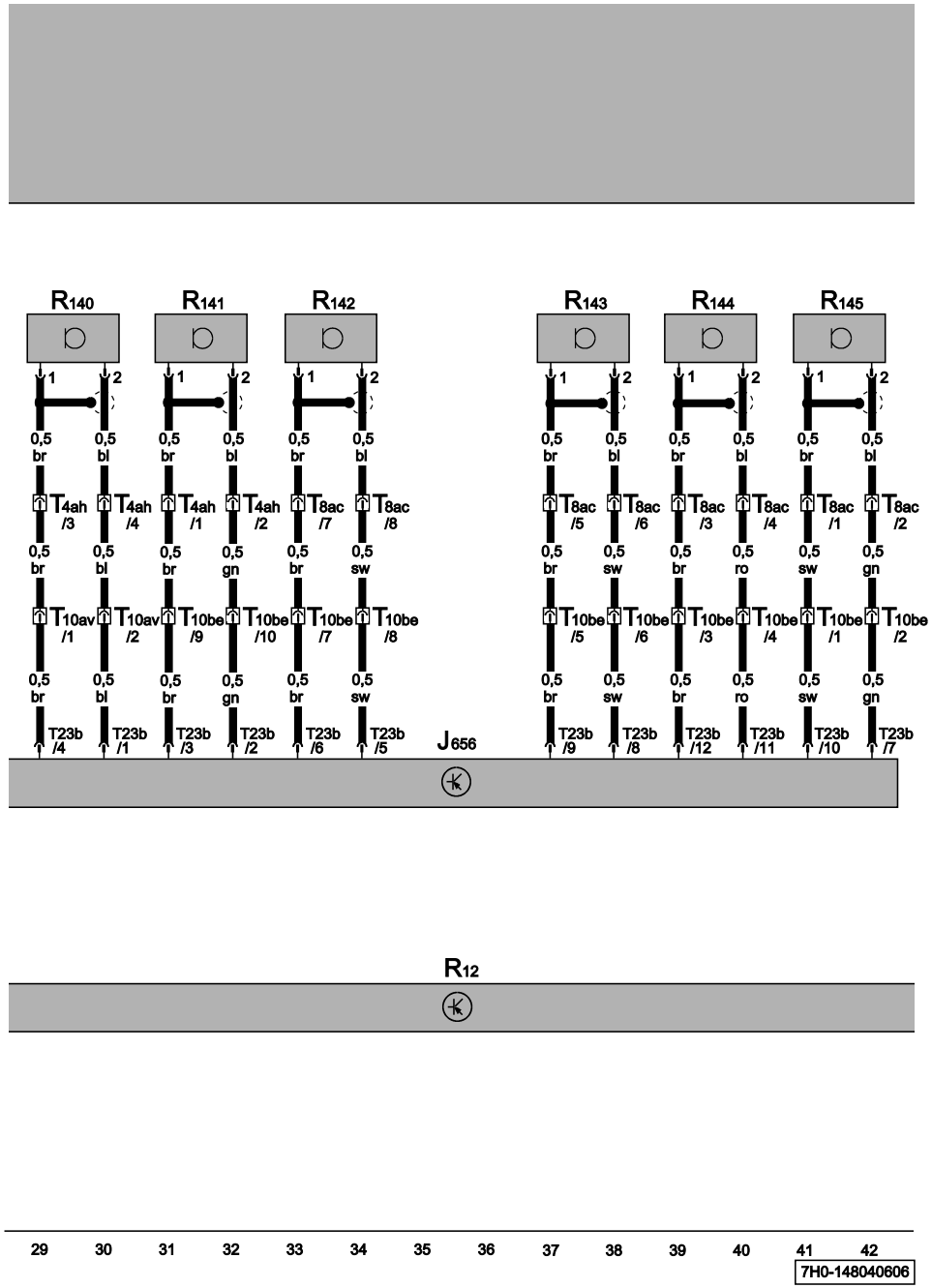
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
L52	Light connection for fader regulator
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



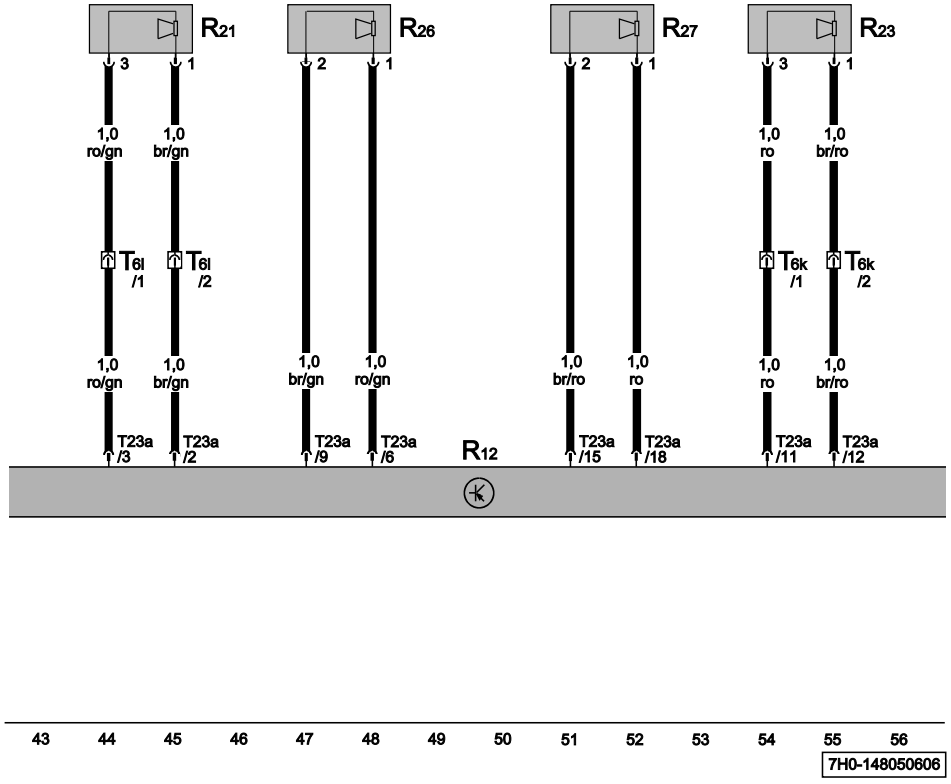
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

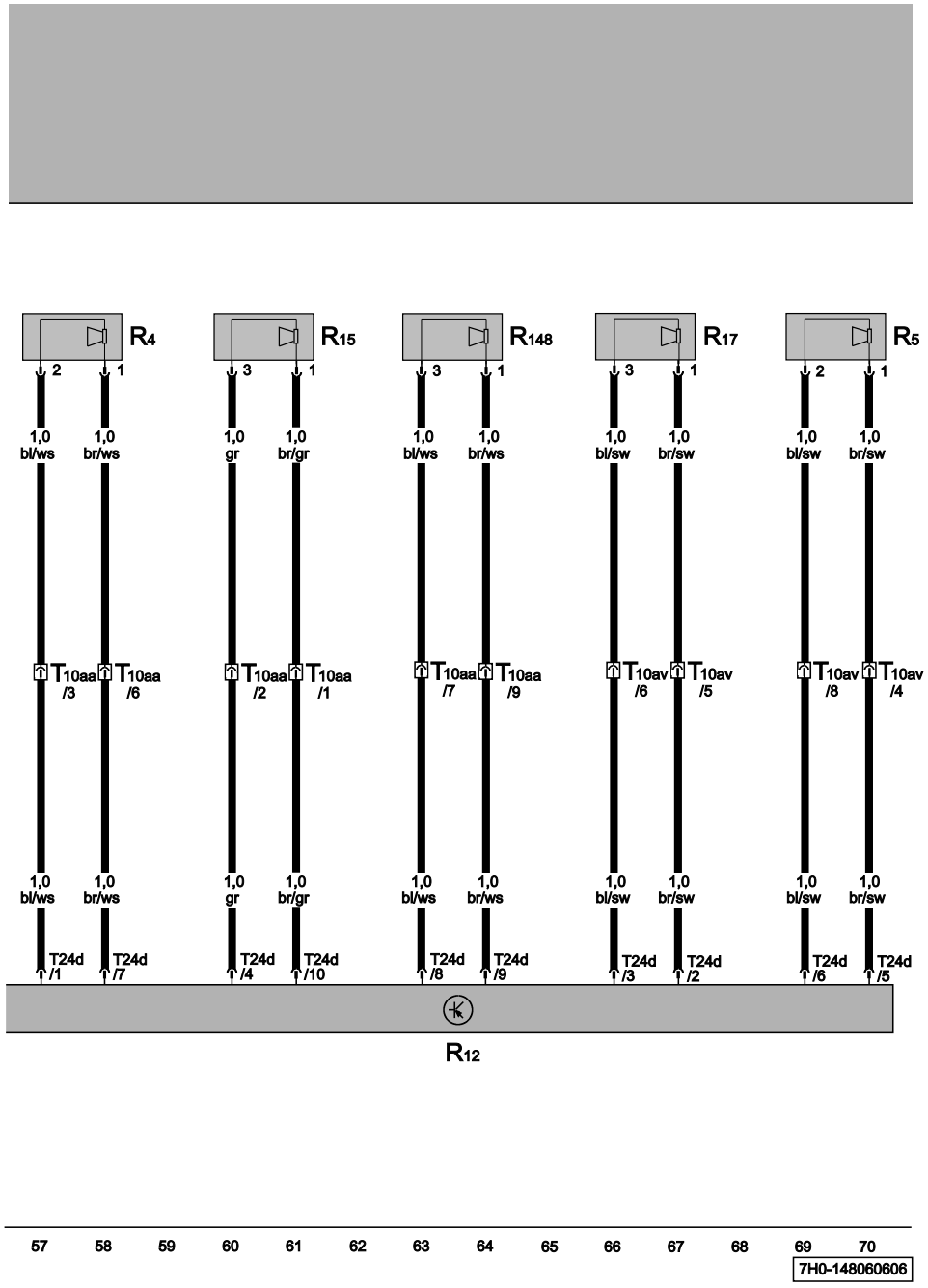
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T23a	23-pin connector, red



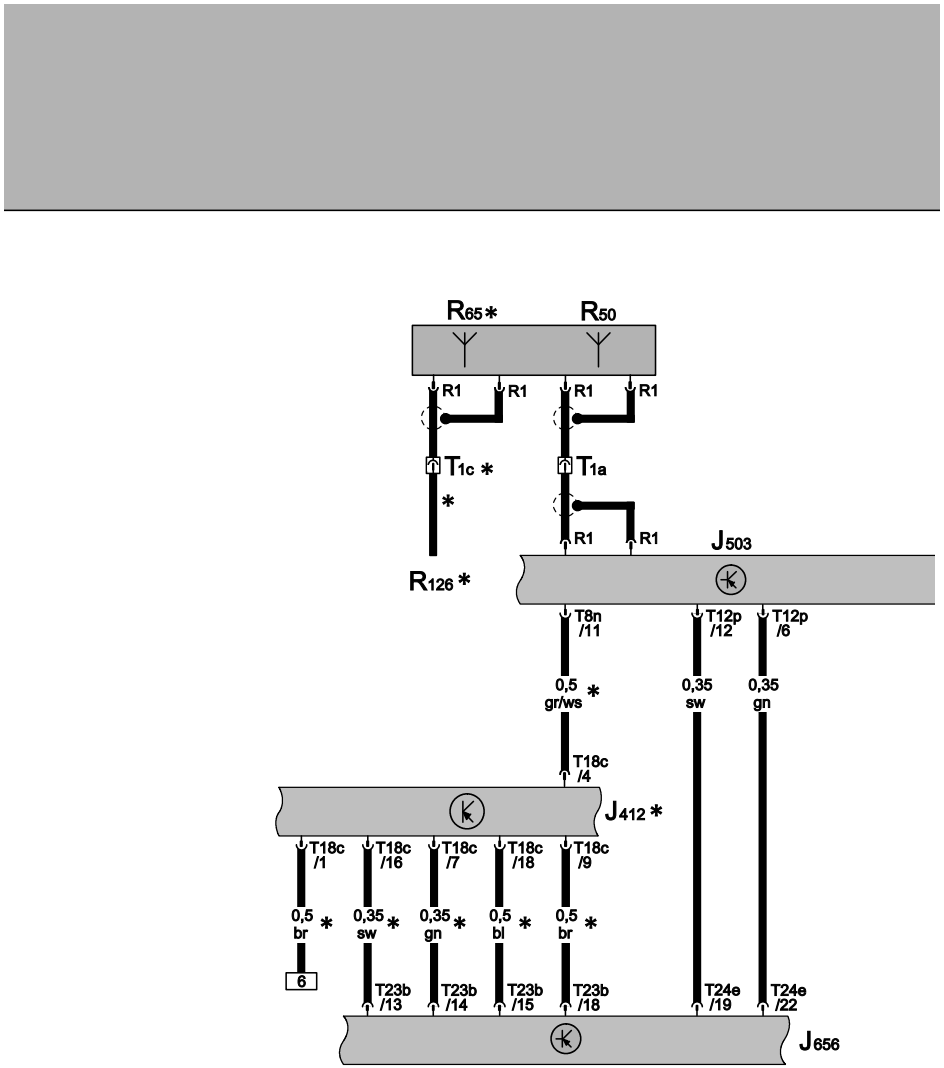
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Amplifier, rear loudspeakers, middle loudspeaker

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



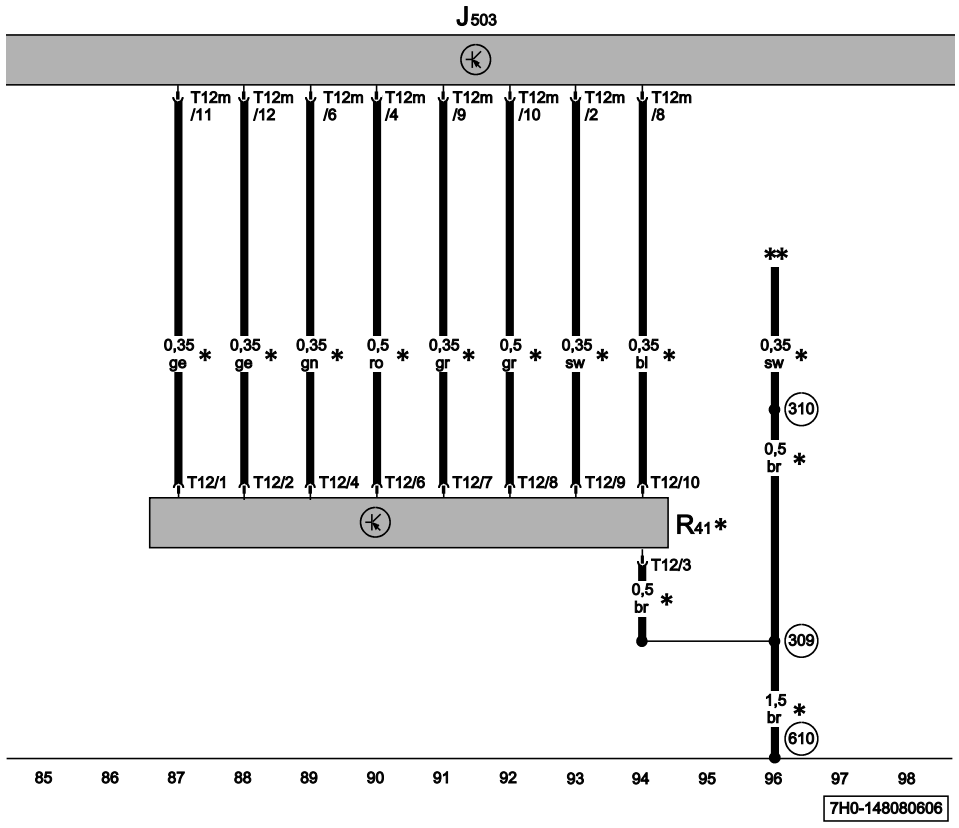
Control unit with display for radio and navigation system, voice amplification control unit, mobile telephone operating electronics control unit, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R1	Aerial connection
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, CD changer

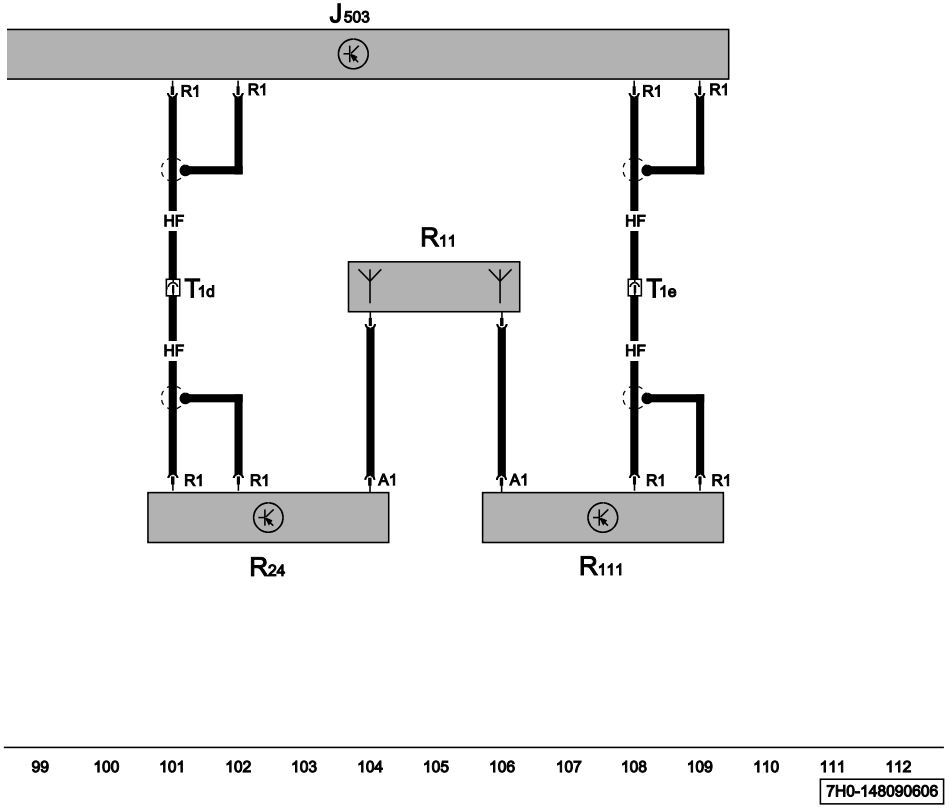
J503	Control unit with display for radio and navigation system
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

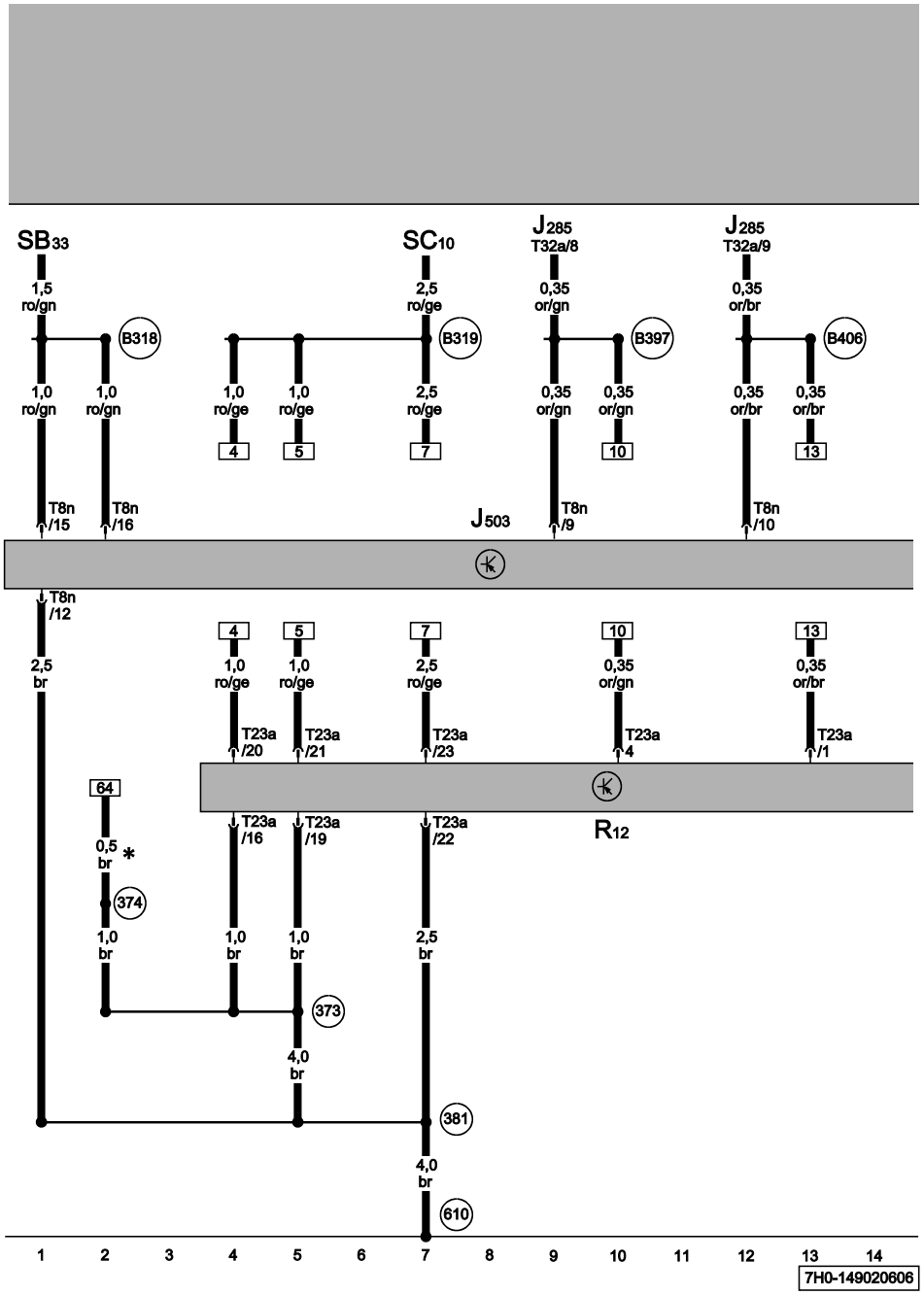
Radio and navigation system (RNS-DVD) with colour display and sound package

⇒ **8 channel amplifier**
⇒ **9 loudspeakers**
⇒ **Aerial selection control unit**
⇒ **Mobile telephone operating electronics control unit**
⇒ **CD changer**
from June 2005

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



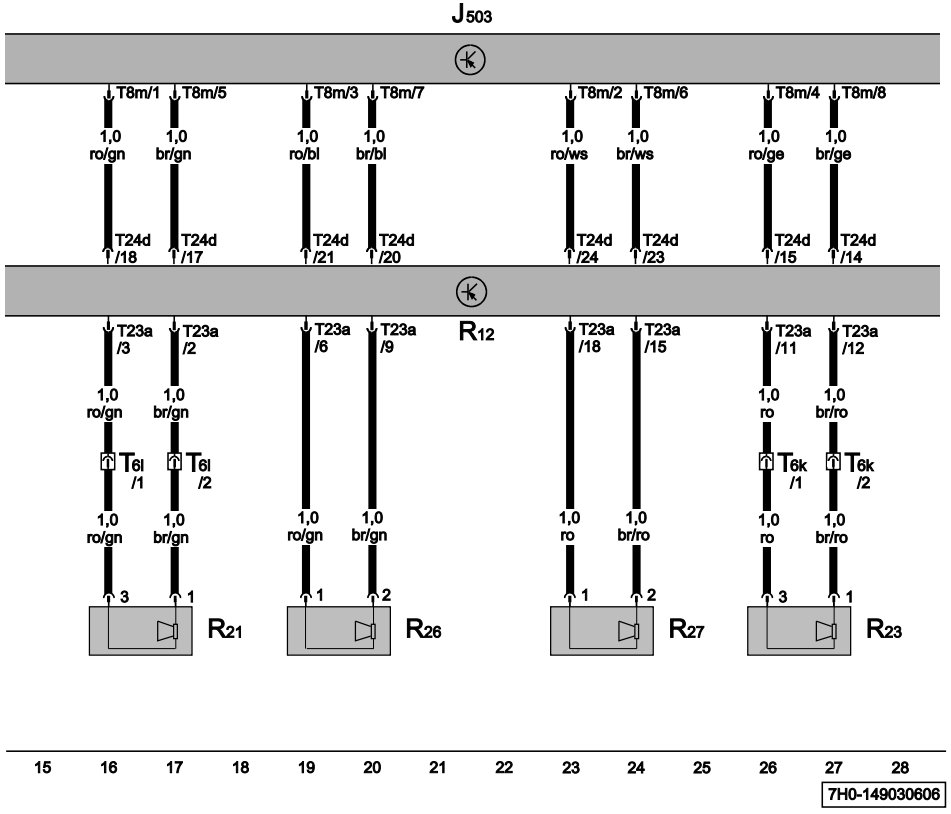
Voltage supply, control unit with display for radio and navigation system, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, front loudspeaker

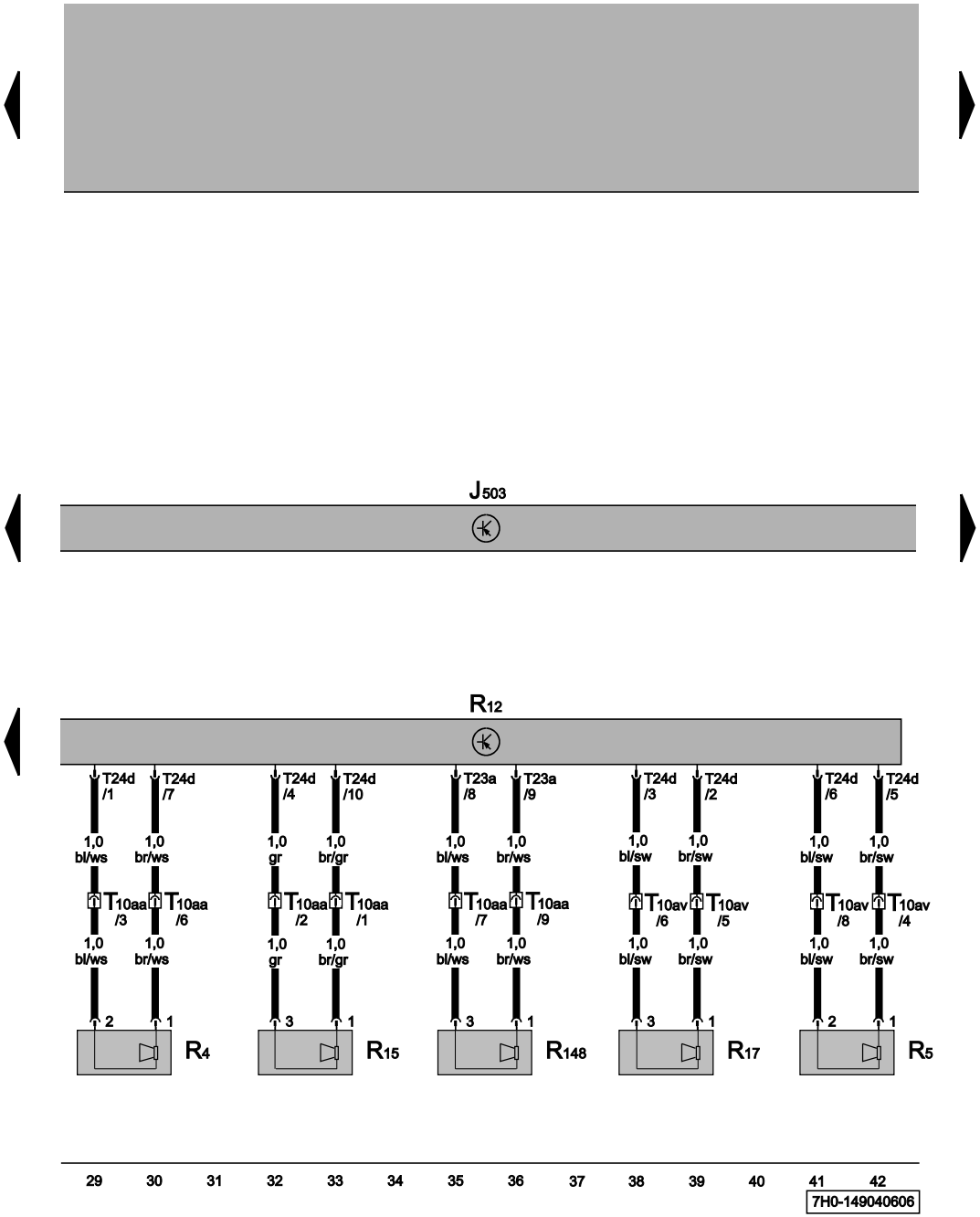
J503	Control unit with display for radio and navigation system
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T6k	6-pin connector, brown, coupling station on right of A-pillar
T6l	6-pin connector, brown, coupling station on left of A-pillar
T8m	8-pin connector
T23a	23-pin connector, red
T24d	24-pin connector, brown



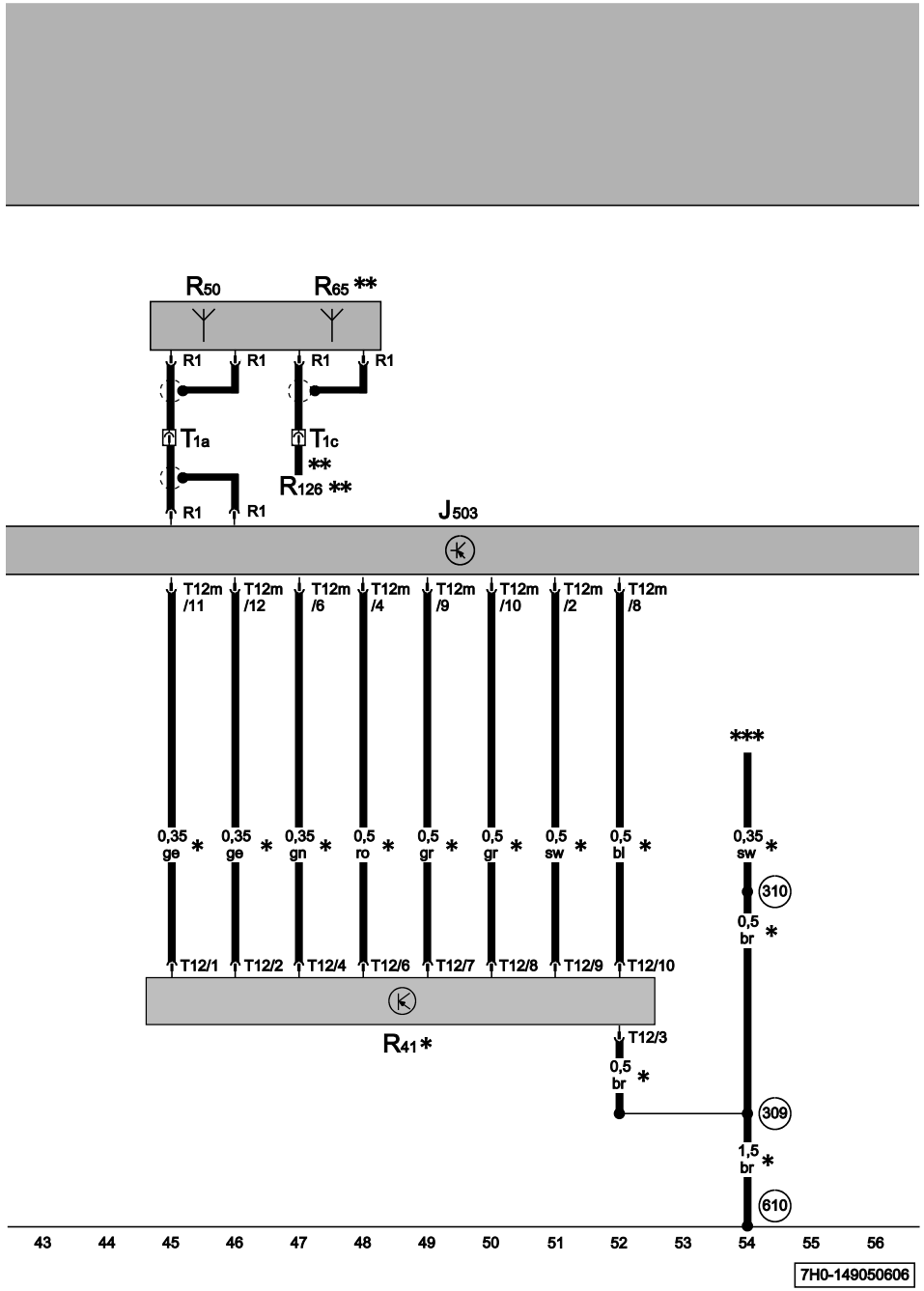
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, rear loudspeaker, middle loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T23a	23-pin connector, red
T24d	24-pin connector, brown



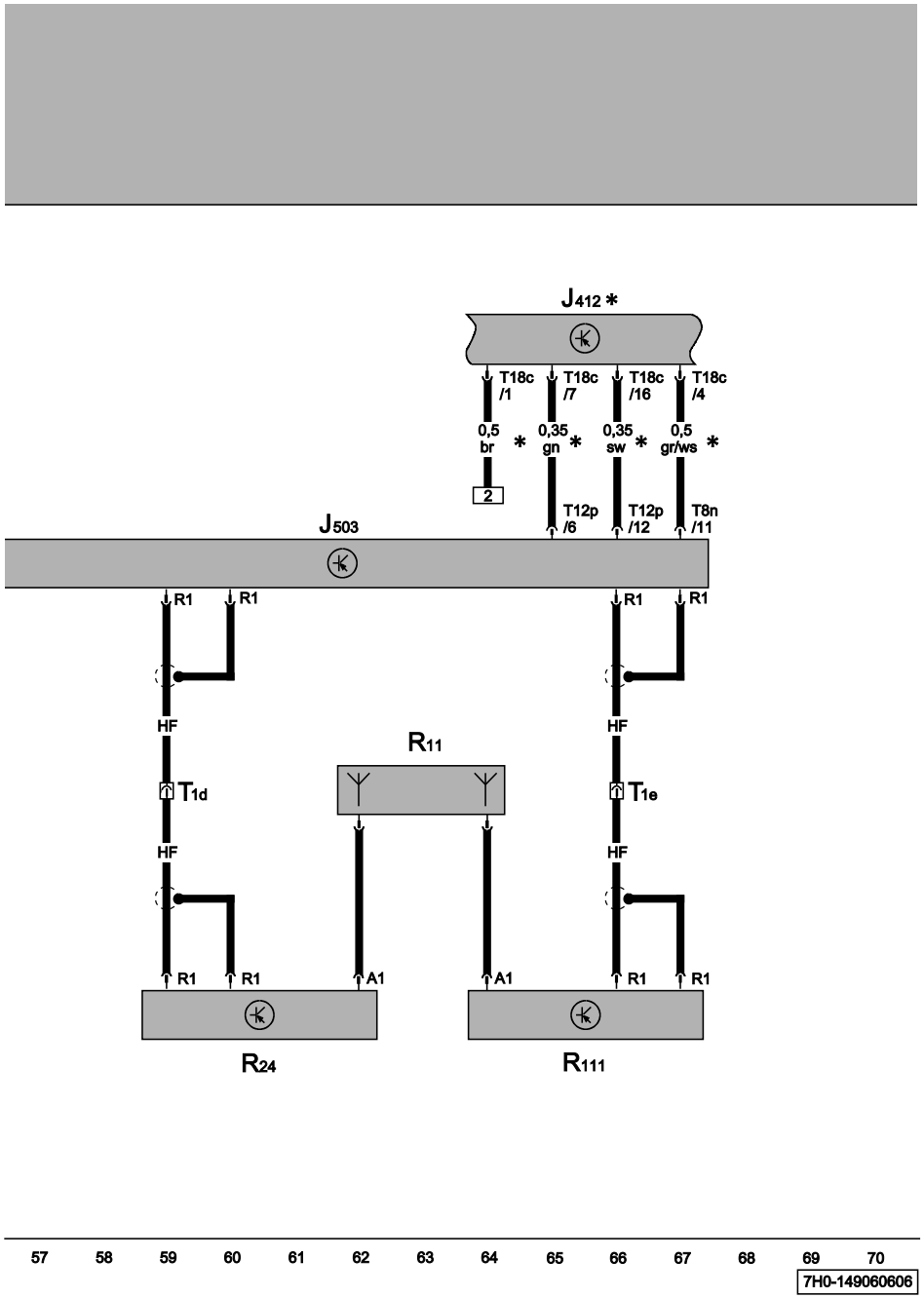
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, navigation system aerial, CD changer

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only
***	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial, aerial amplifier, mobile telephone operating electronics control unit

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection
*	for models with mobile telephone operating electronics control unit of preparation for mobile telephone only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Telephone preparation (9ZA/ 9ZG)

from January 2006

Notes:

For information concerning

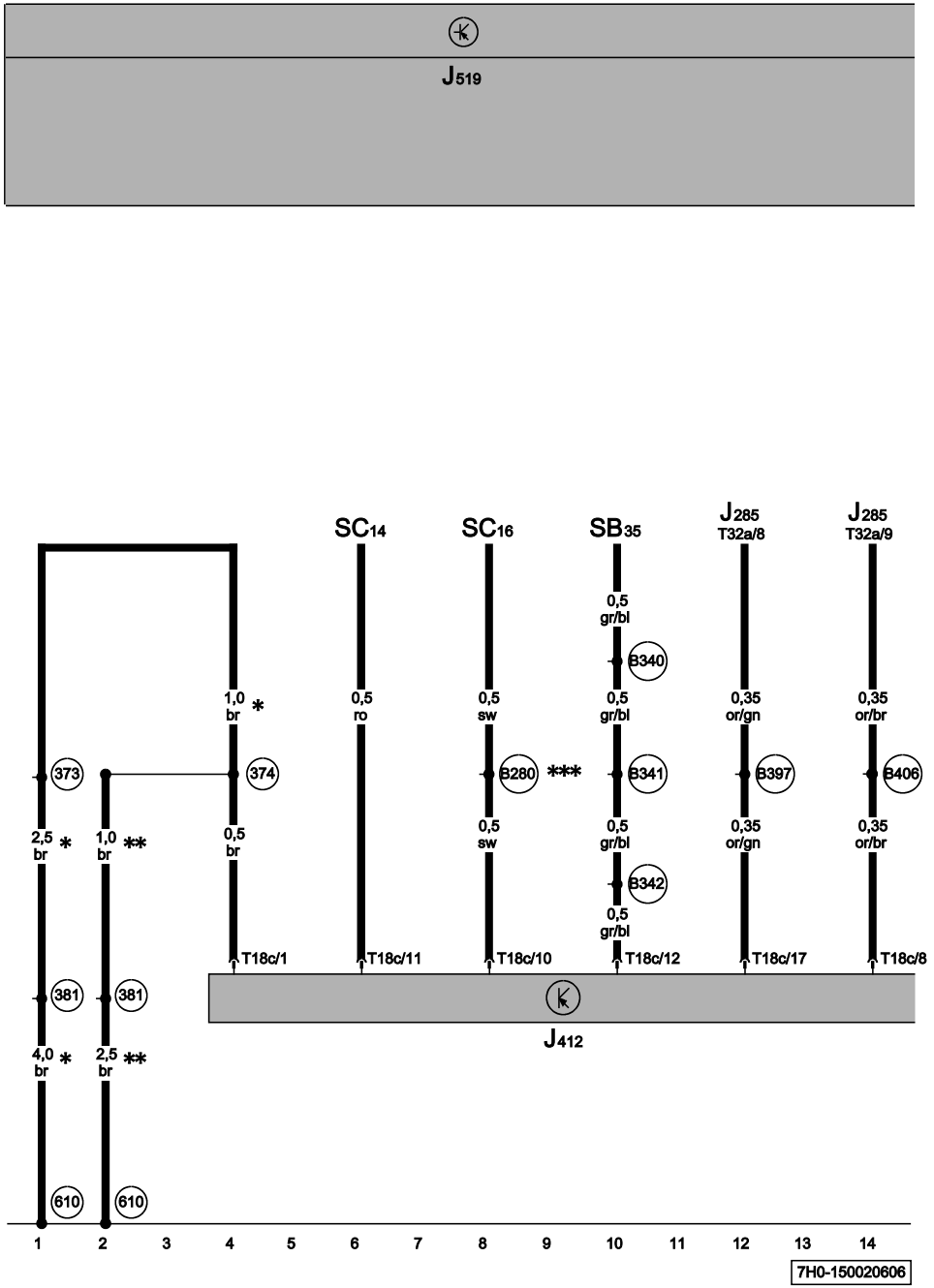
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

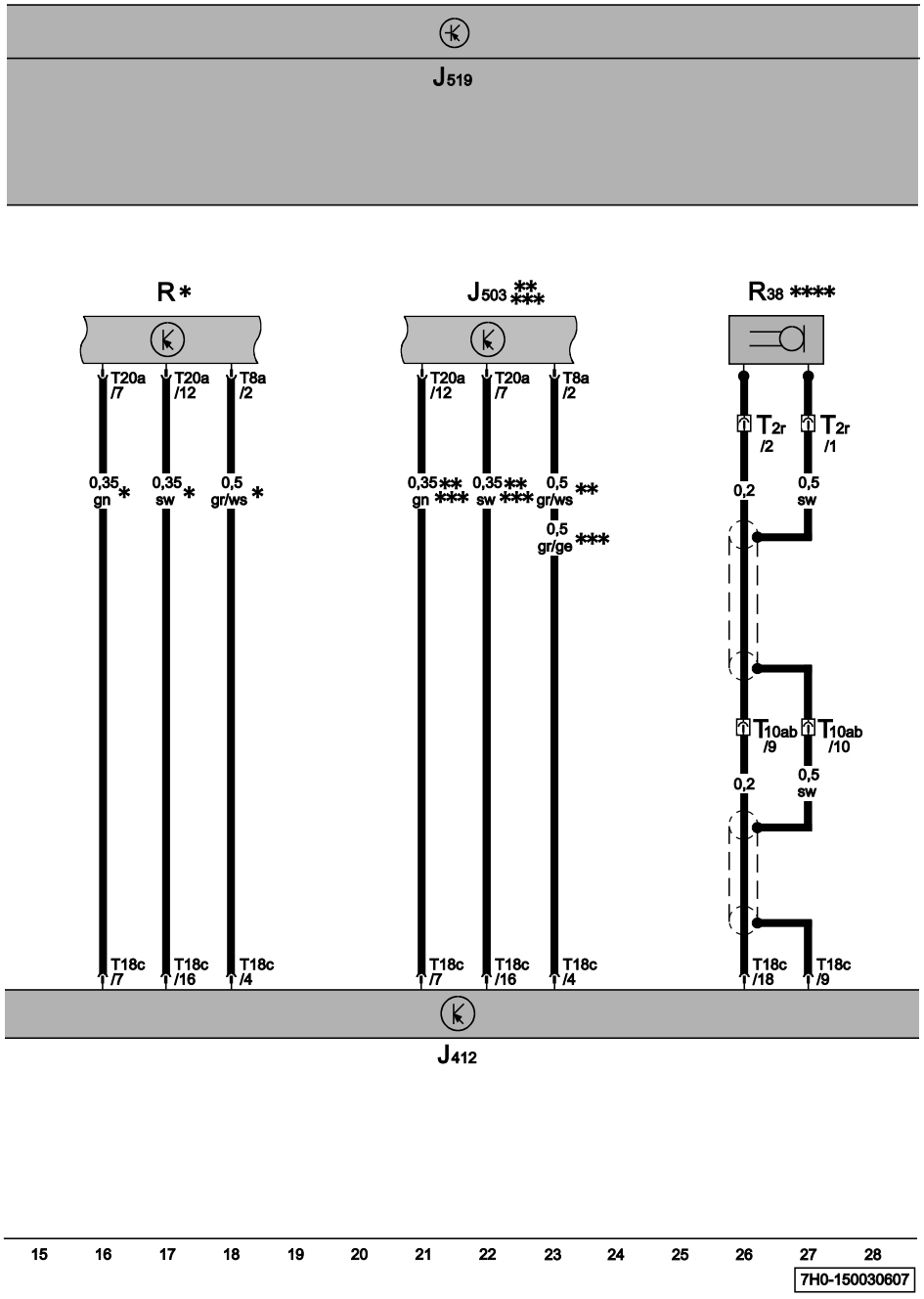
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Mobile telephone operating electronics control unit, fuses

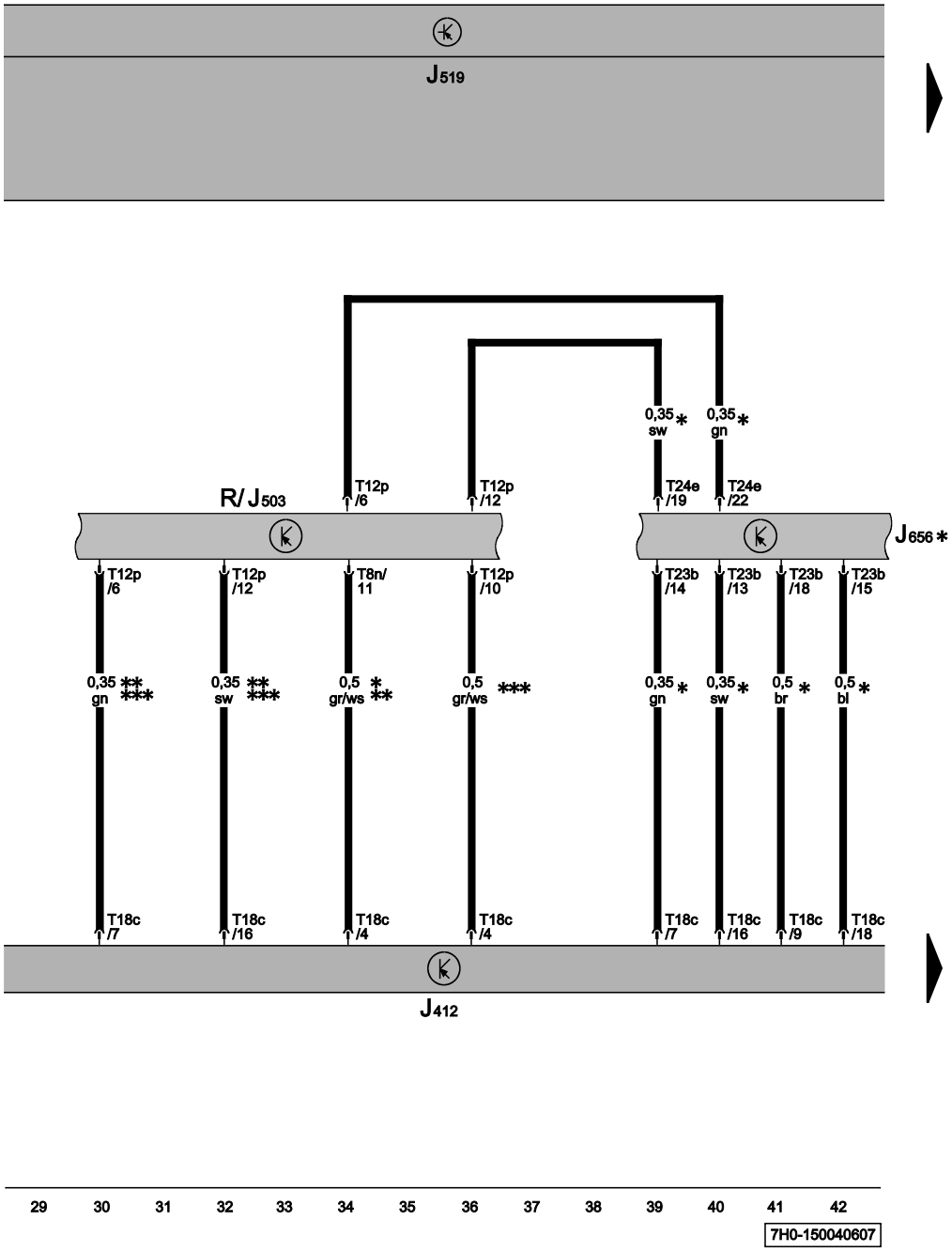
J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC14	Fuse 14 on fuse holder C
SC16	Fuse 16 on fuse holder C
T18c	18-pin connector, VDA connection for interface box
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with sound package only (9VE/ 9VK)
**	for models with 2, 4 or 8 loudspeakers only (8RD/ 8RE/ 8RM)
***	Depends on equipment



Mobile telephone operating electronics control unit, telephone microphone, control unit with display for radio and navigation, radio

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R	Radio
R38	Telephone microphone
T2r	2-pin connector
T8a	8-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
*	for models with radio system Alpha, Beta, Gamma or preparation for radio only (8UB)
**	for models with radio and navigation system with black/white-display only (7Q5)
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for models without voice amplification only (VX0)

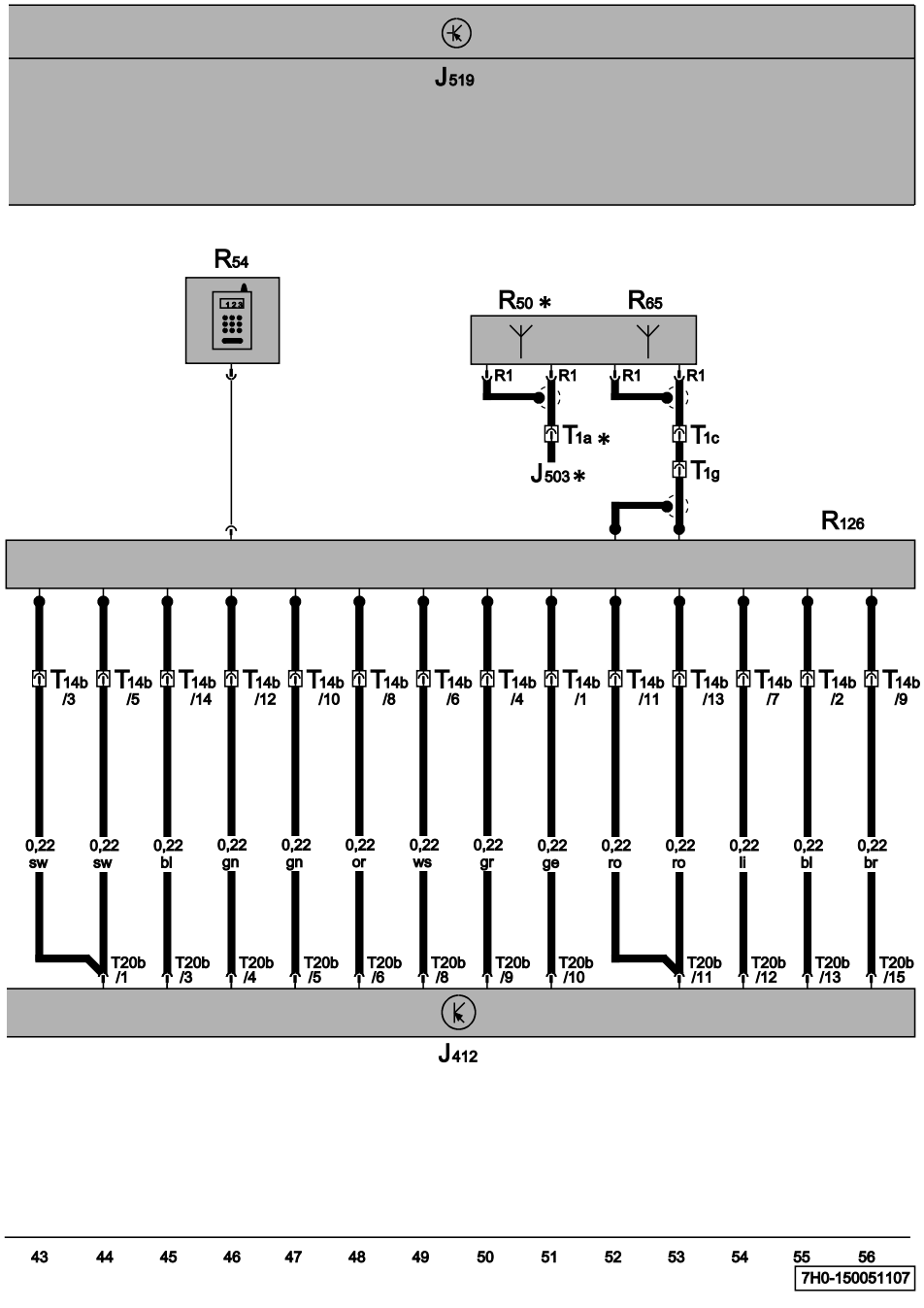
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Mobile telephone operating electronics control unit, voice amplification control unit

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with voice amplification (VX2), radio and navigation system (7Q2) or radio system Delta (8UT) only
**	for models without voice amplification (VX0), radio and navigation system (7Q2), radio system Delta (8UT), RCD200 (8UA) or RCD200 MP3 (8AN) only
***	for models with radio R110 (8YG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



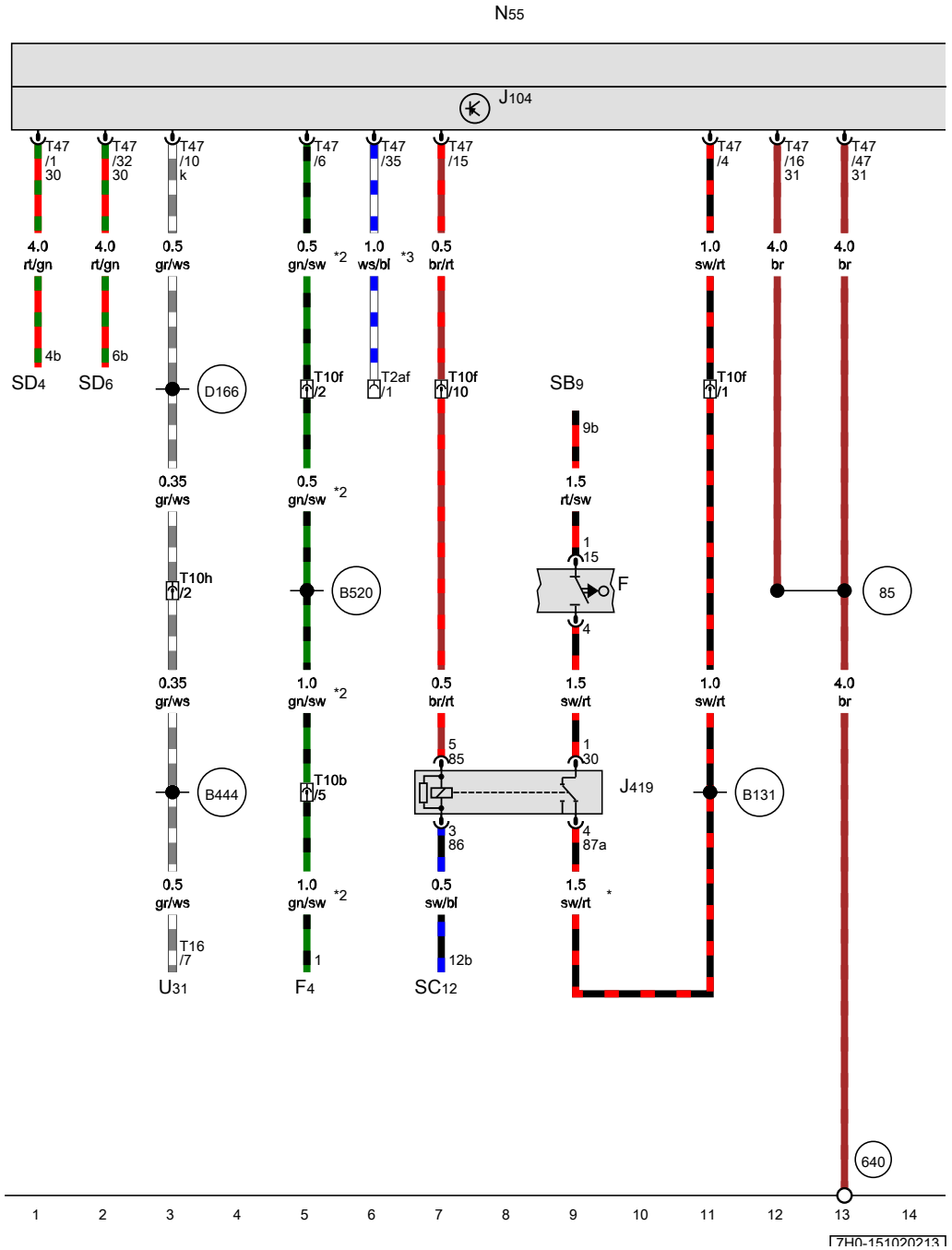
Mobile telephone operating electronics control unit, telephone bracket, telephone aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R50	Navigation system aerial
R54	Mobile telephone
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1g	Single pin connector, near telephone bracket
T14b	14-pin connector, near telephone bracket
T20b	20-pin connector
*	for models with radio / navigation system only (7Q2, 7Q5, 7Q7)

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS) and electronic stabilisation program (ESP) , (1AK),(1D0)

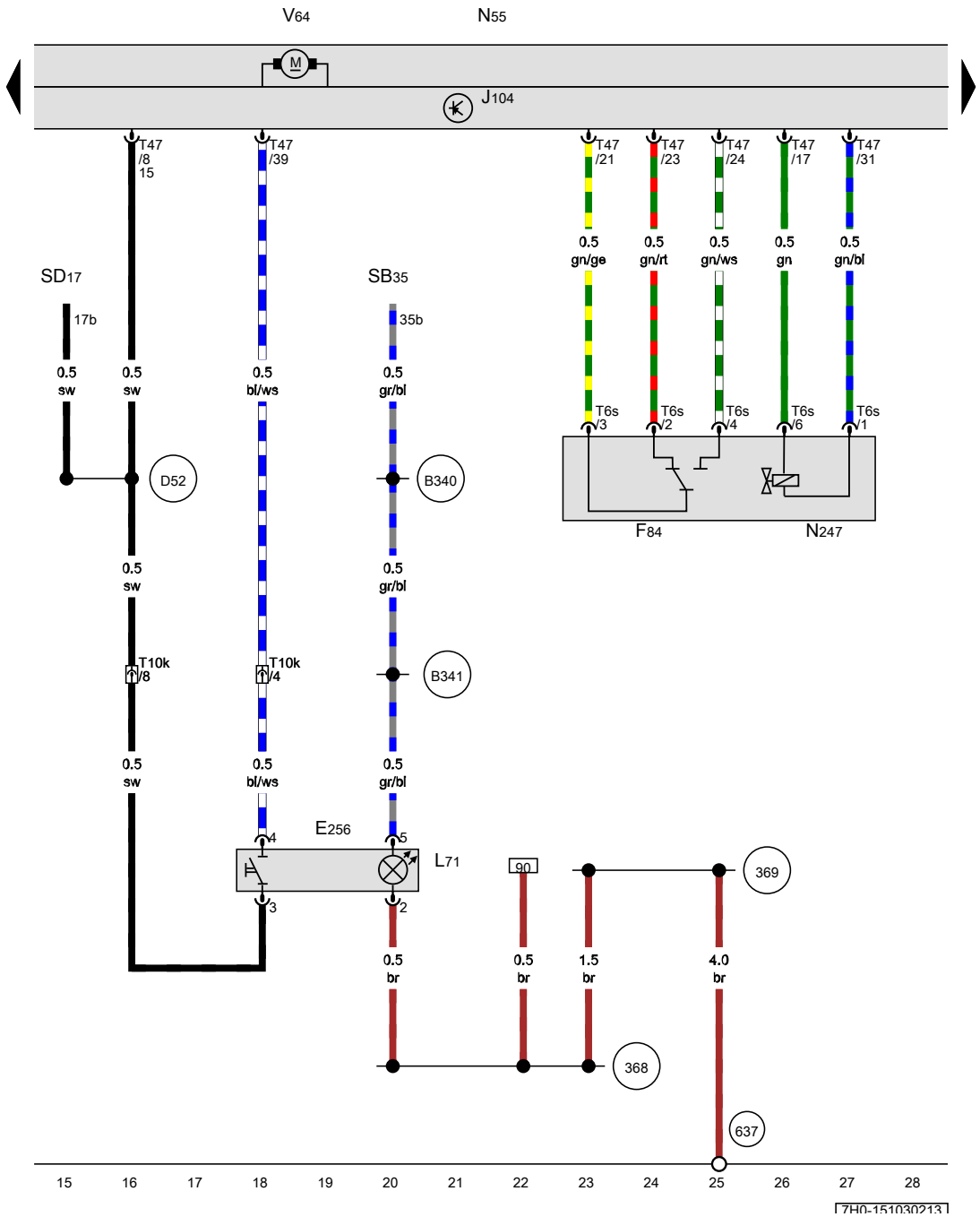
From June 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Brake light switch, ABS control unit, Brake light additional relay, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

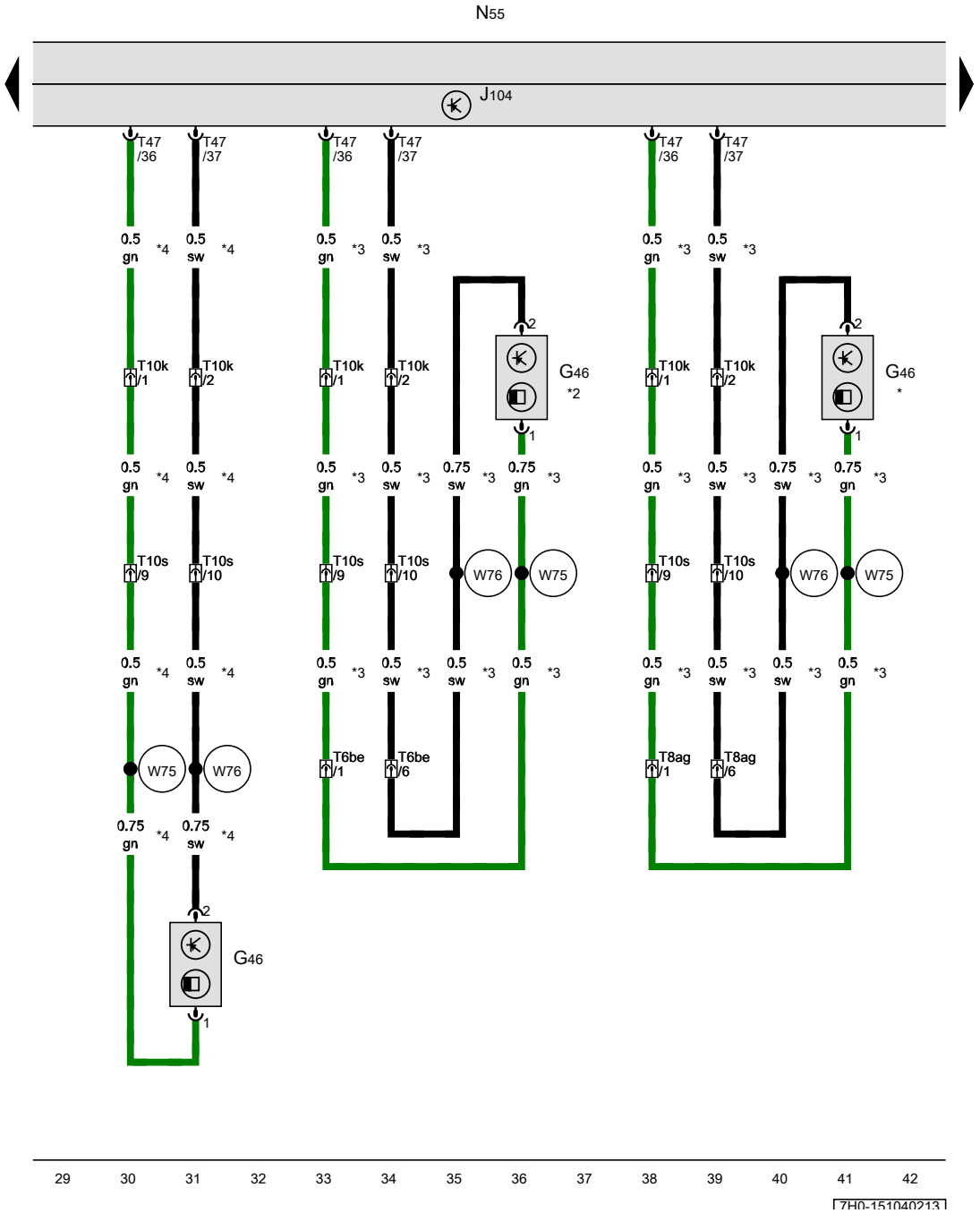
F	Brake light switch
F4	Reversing light switch
J104	ABS control unit
J419	Brake light additional relay
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
SC12	Fuse 12 on fuse holder C
T2af	2-pin connector, black, in E-box in engine compartment
T10b	10-pin connector, red, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Only models with no electric interface
*2	Only models with manual gearbox
*3	Up to June 2007



TCS and ESP button, Brake pressure solenoid trip switch, ABS control unit, ABS hydraulic unit, Brake pressure solenoid valve, ABS hydraulic pump

E256	TCS and ESP button
F84	Brake pressure solenoid trip switch
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
N247	Brake pressure solenoid valve
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T6s	6-pin connector
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness

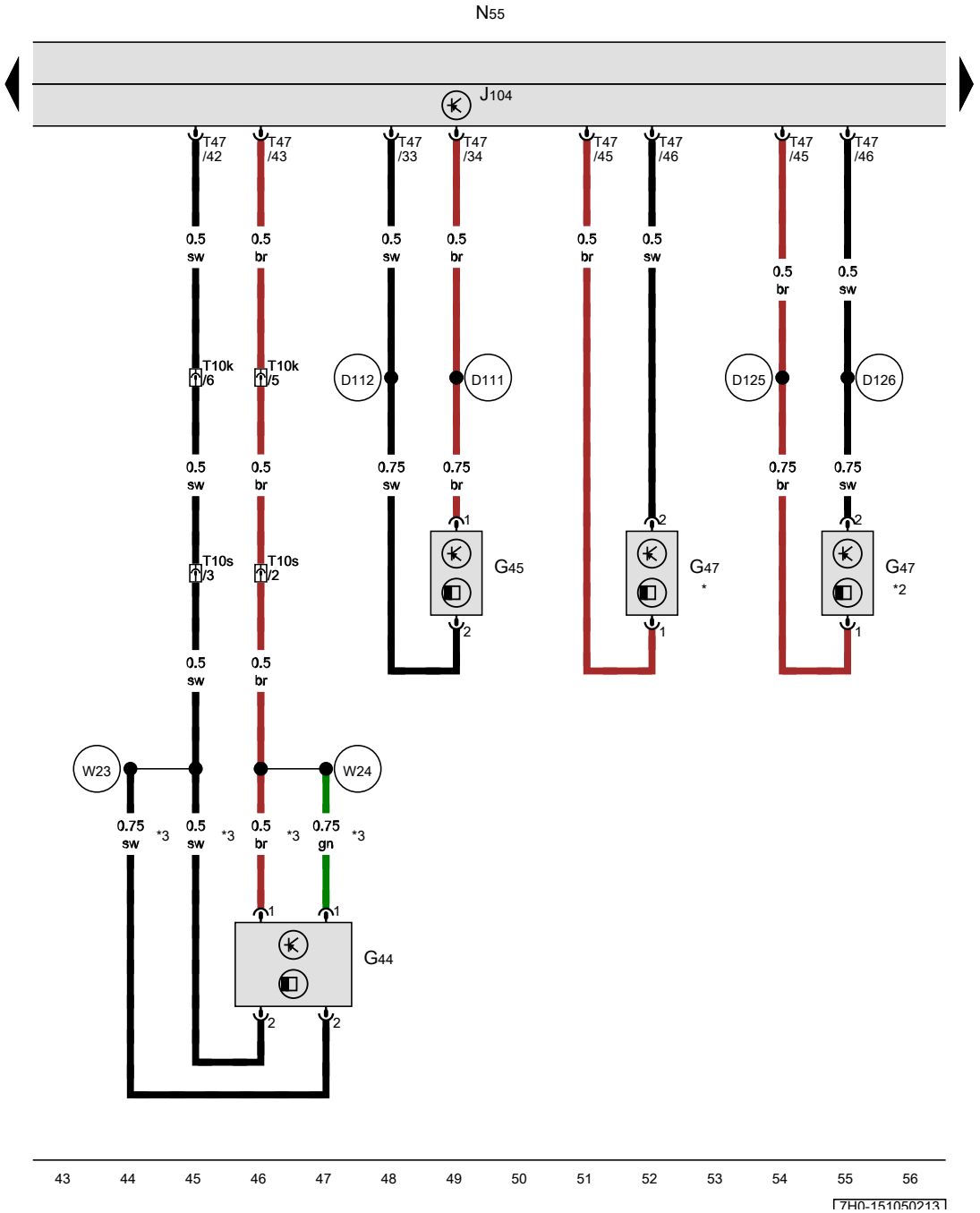
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear left speed sensor, ABS control unit, ABS hydraulic unit

G46	Rear left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T6be	6-pin connector, grey, behind left D-pillar trim
T8ag	8-pin connector, black, behind left D-pillar trim
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
W75	Connection 3 (sensor), in rear wiring harness
W76	Connection 4 (sensor), in rear wiring harness
*	From November 2006
*2	Up to October 2006
*3	Only models with all-wheel drive, not for models with double cab/ dropside
*4	Only models with double cab/ dropside and models with no all-wheel drive

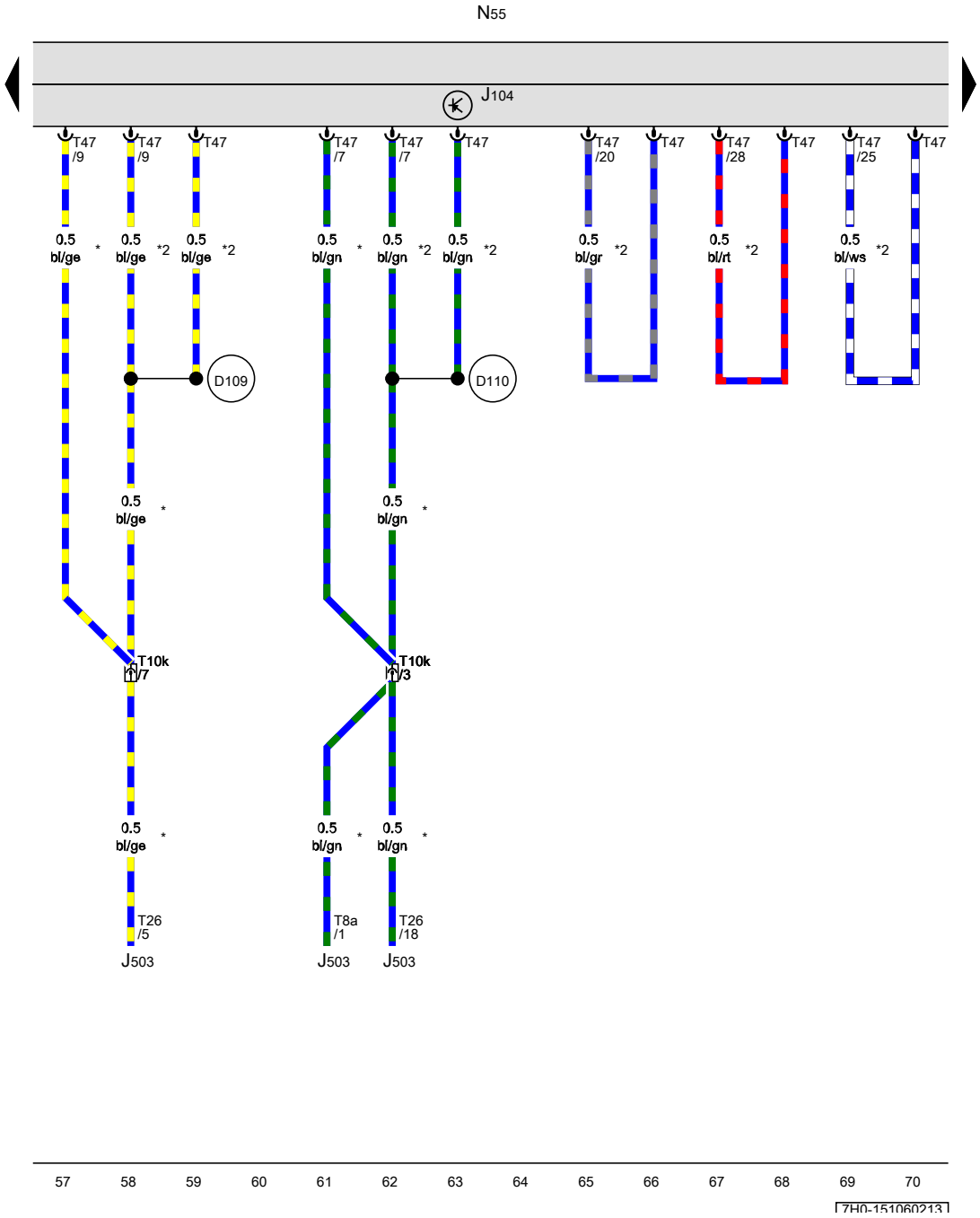
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear right speed sensor, Front right speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

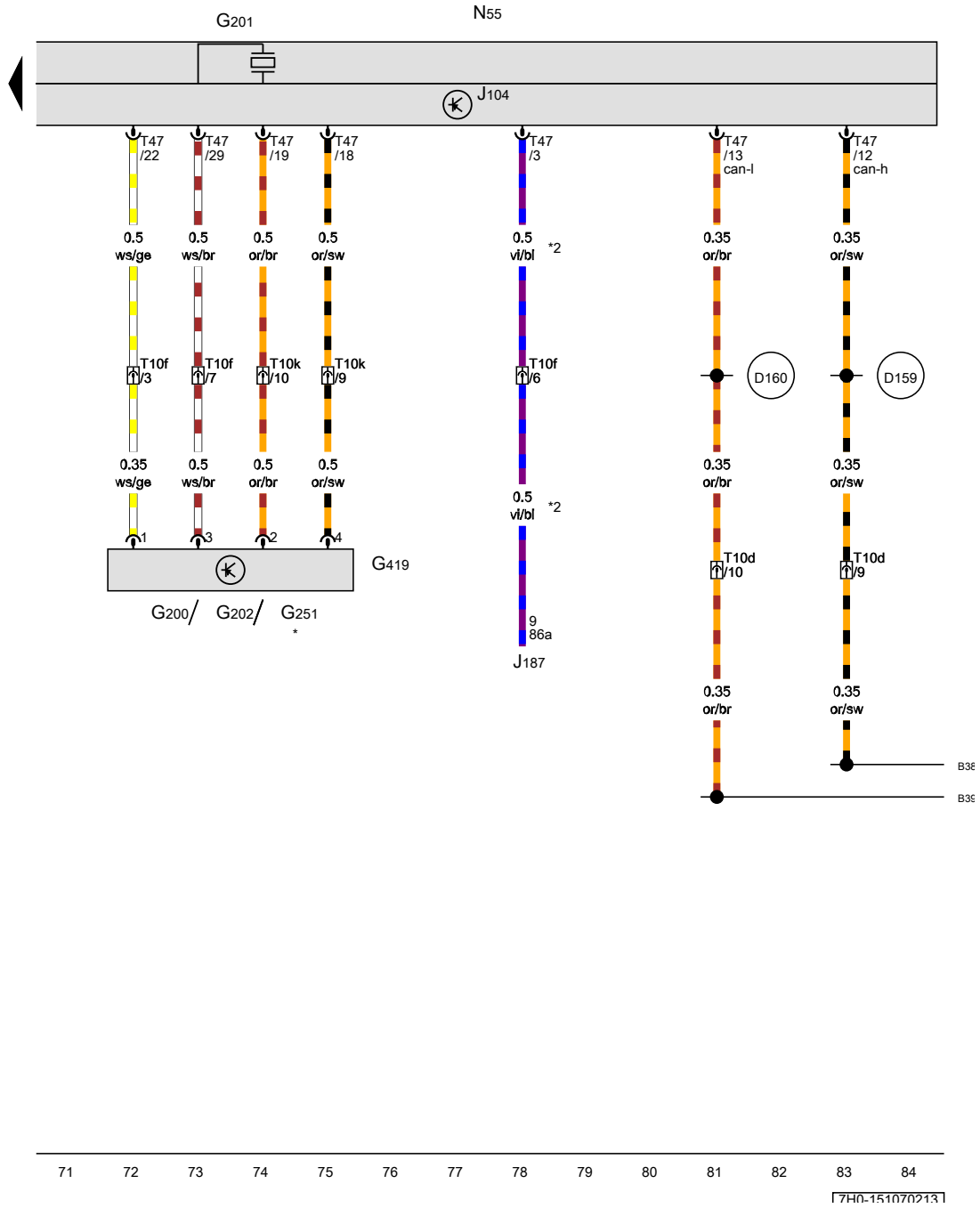
G44	Rear right speed sensor
G45	Front right speed sensor
G47	Front left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D125	Connection 23 in engine compartment wiring harness
D126	Connection 24 in engine compartment wiring harness
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness
*	Up to October 2006
*2	From November 2006
*3	According to equipment



ABS control unit, ABS hydraulic unit

J104	ABS control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T8a	8-pin connector, black
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
D110	Connection 8 in engine compartment wiring harness
*	According to equipment
*2	see fitting locations, ABS code table

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



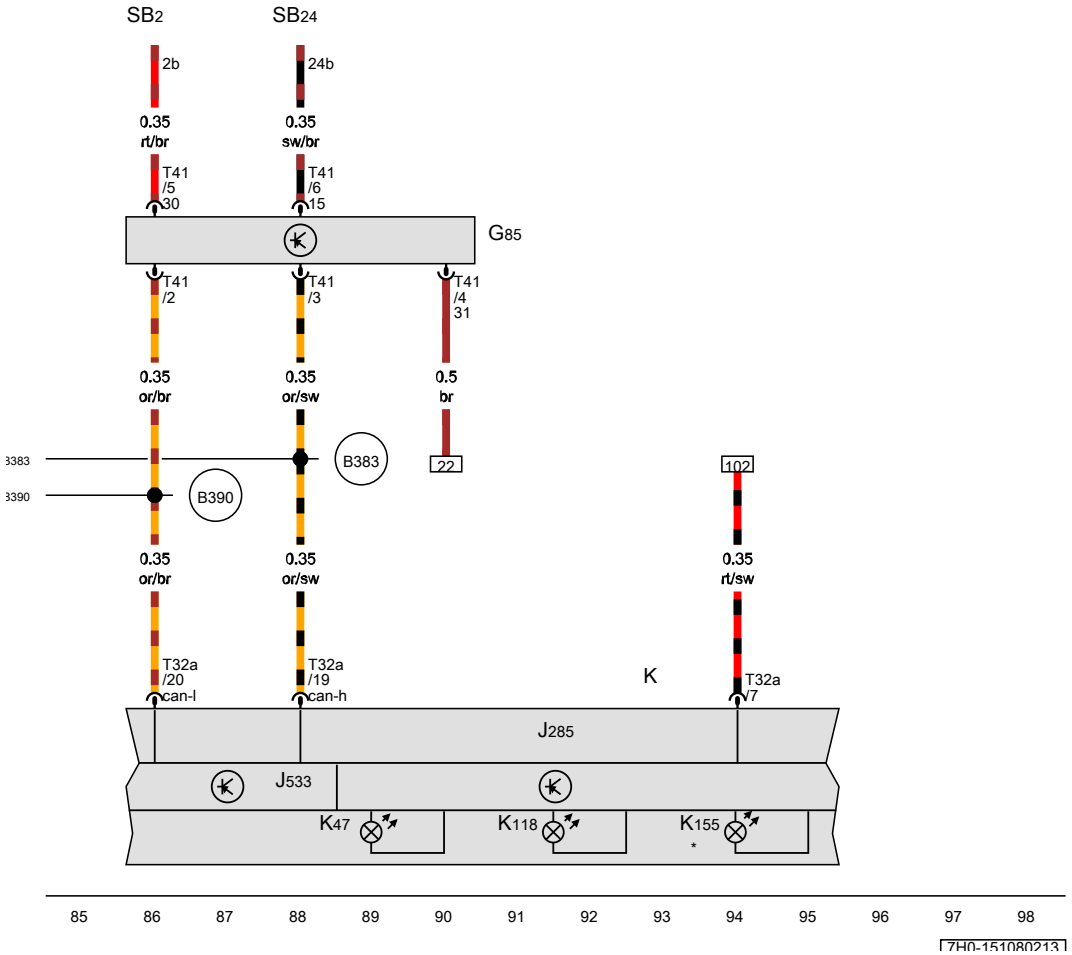
Brake pressure sender 1, ESP sensor unit, ABS control unit, ABS hydraulic unit

G200	Lateral acceleration sender
G201	Brake pressure sender 1
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J104	ABS control unit
J187	Differential lock control unit
N55	ABS hydraulic unit
T10d	10-pin connector, blue, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with all-wheel drive
*2	Only models with rear differential lock

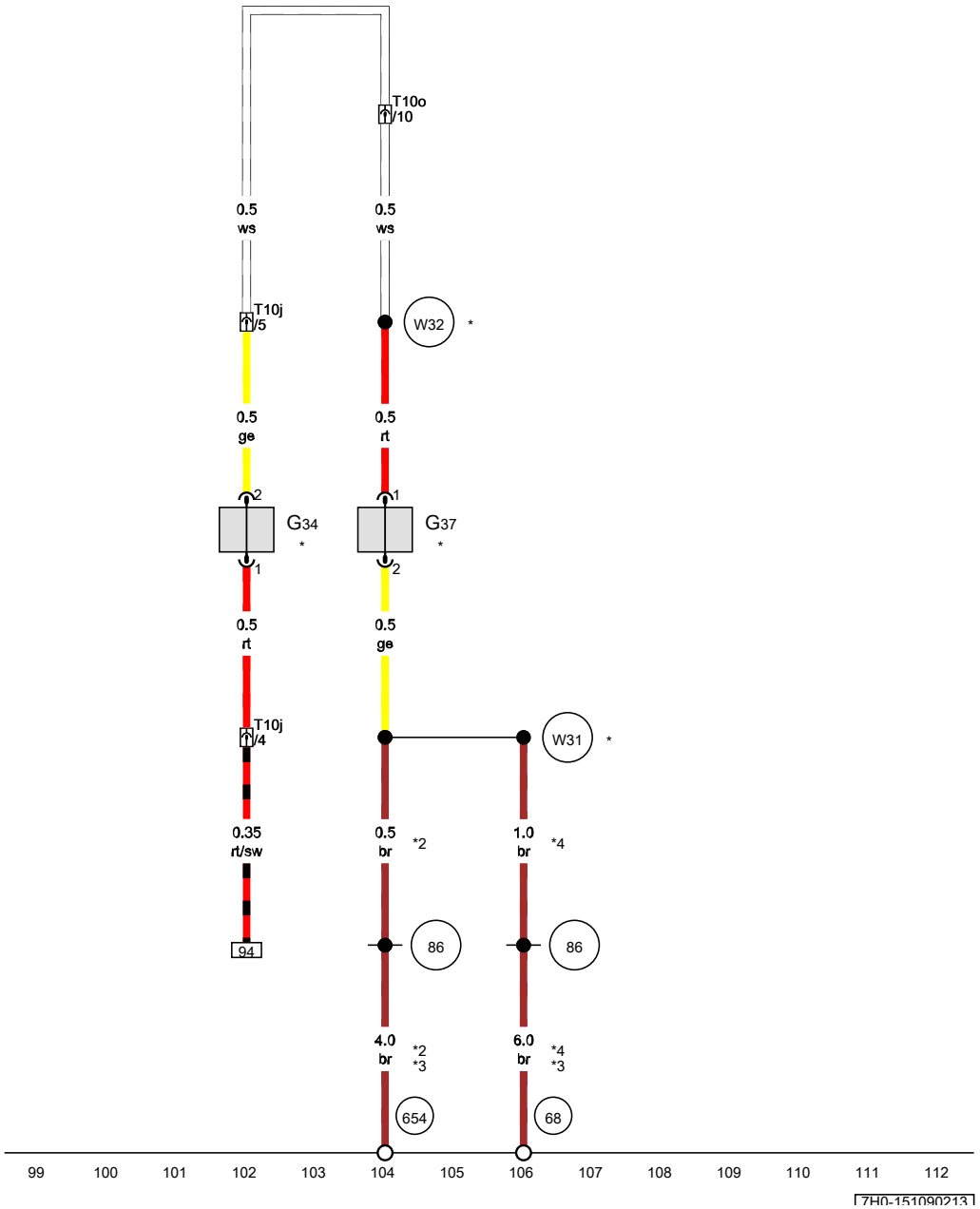
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Steering angle sender, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T32a	32-pin connector, green
T41	41-pin connector, grey
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with warning function for brake pad wear



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



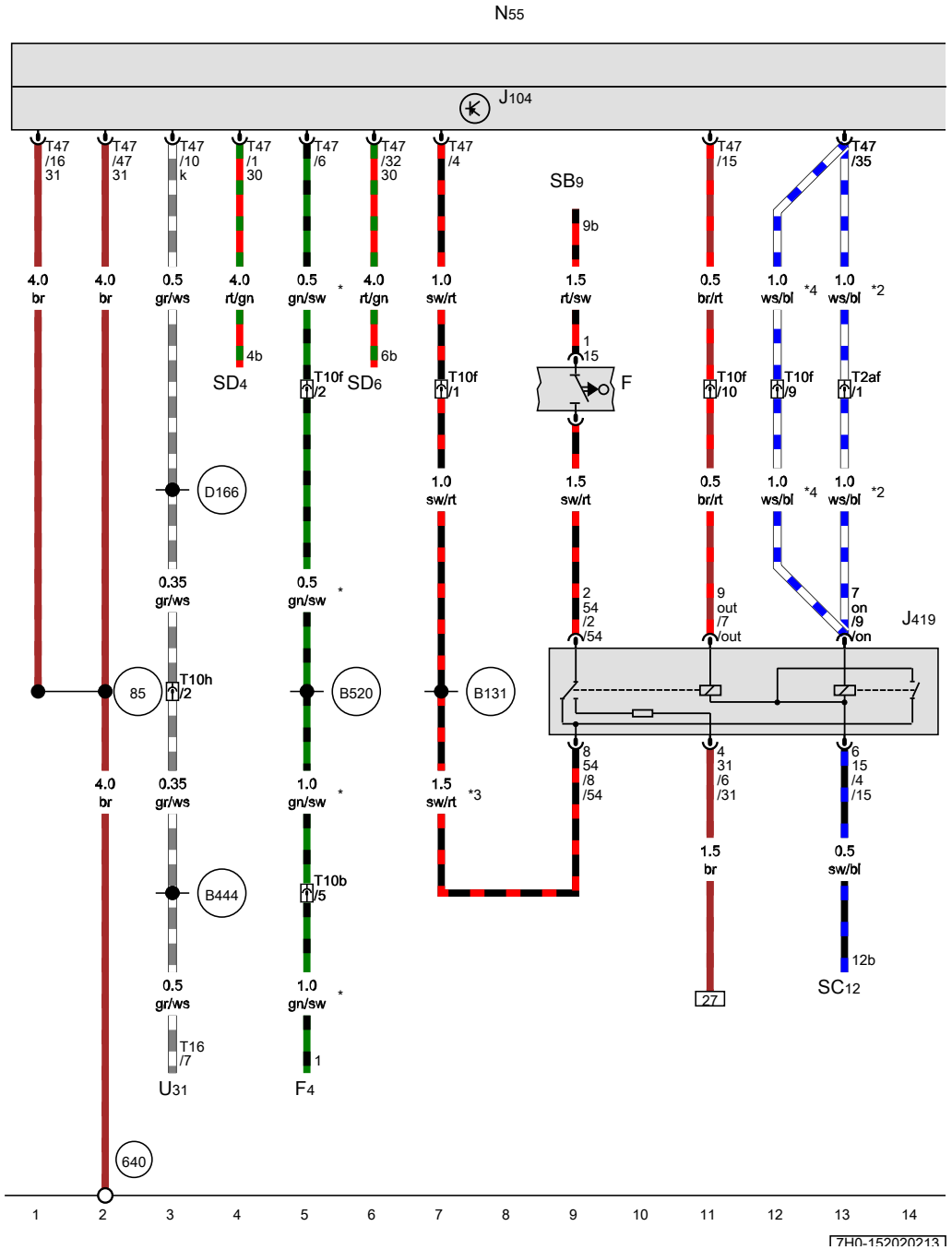
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Only Multivan, panel van or Kombi models
*3	Cross section depends on equipment
*4	Only models with double cab/ dropside

Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS) and electronic stabilisation program (ESP) , (1AK),(1D1),(1D2)

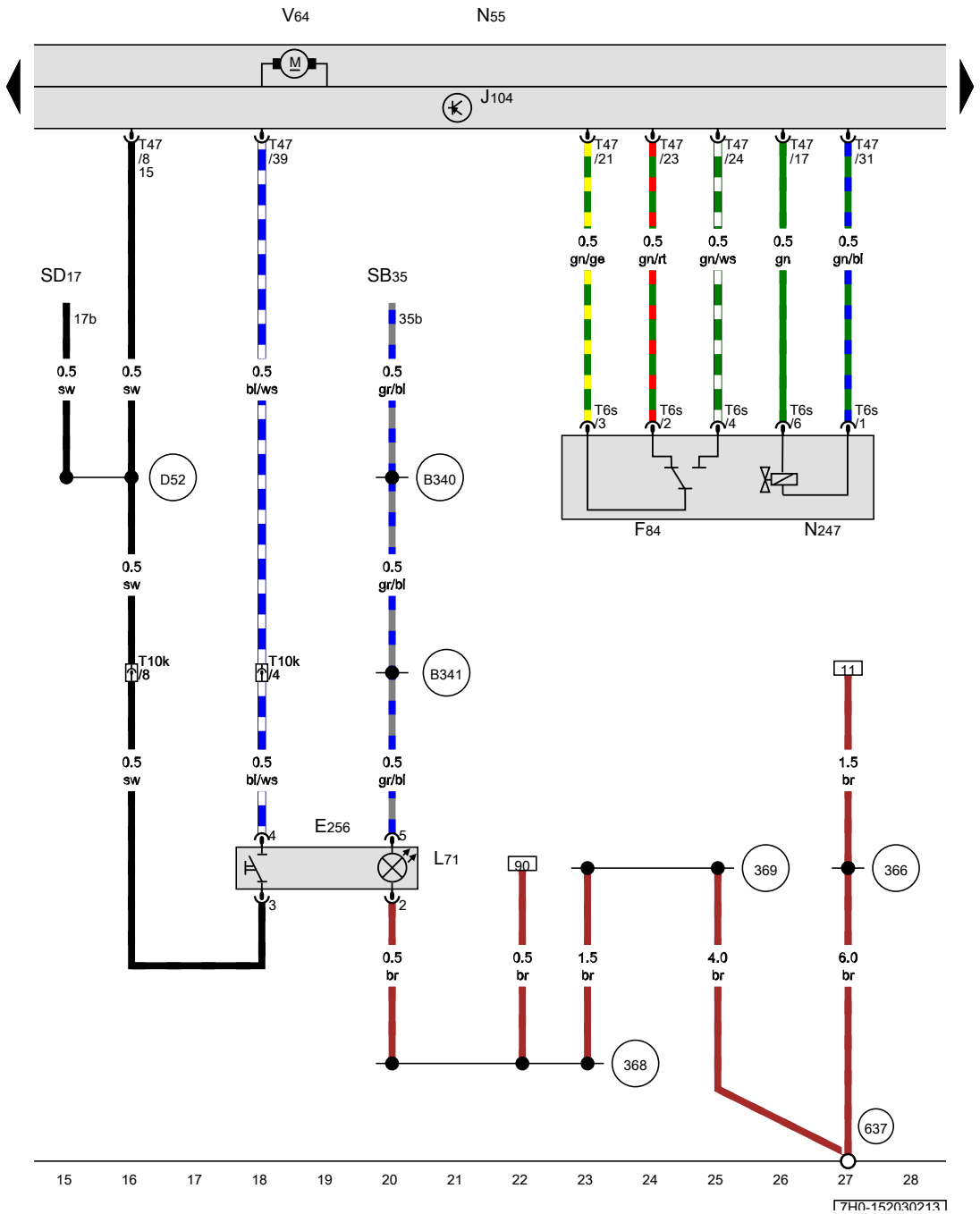
From June 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Brake light switch, ABS control unit, Brake light additional relay, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

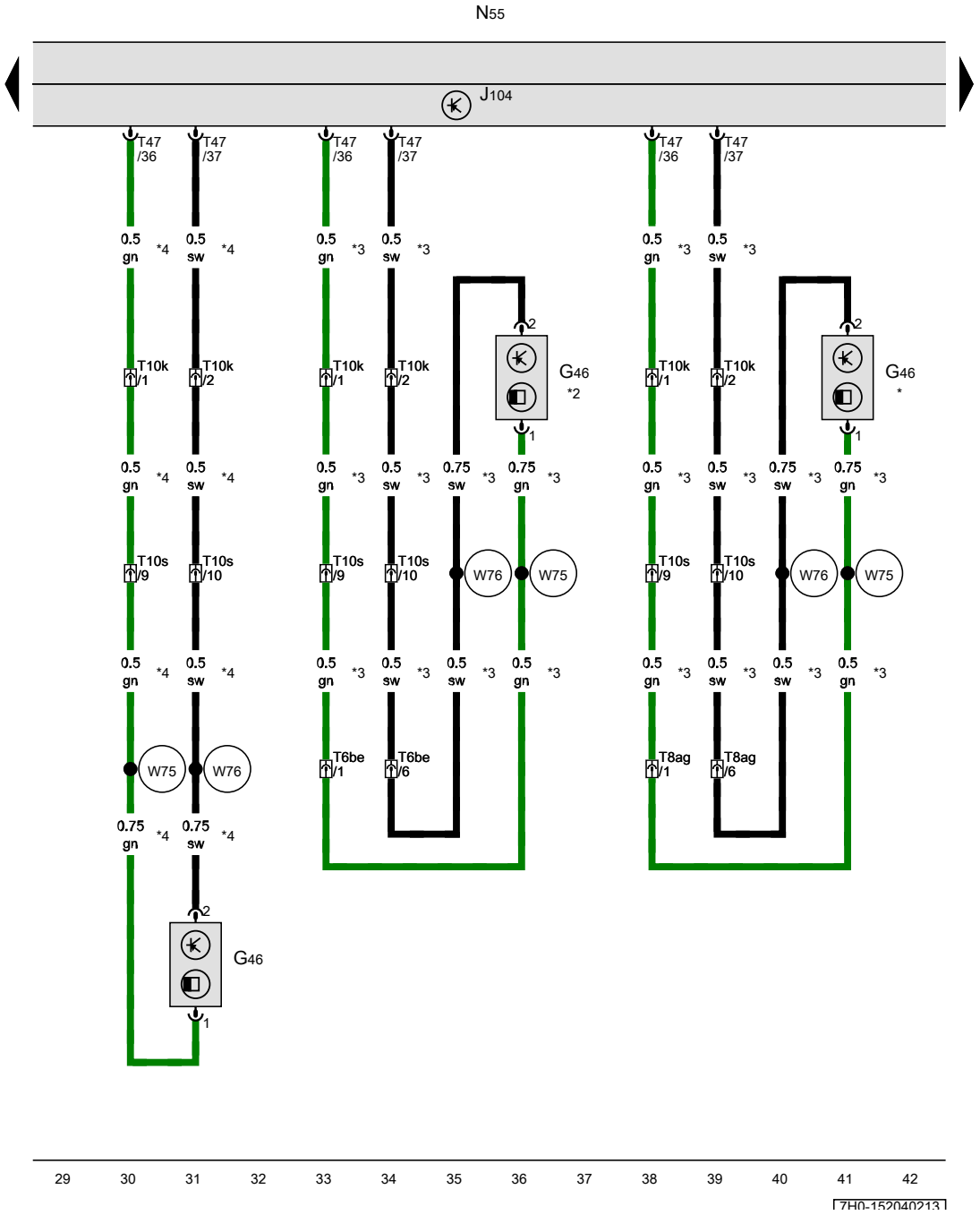
F	Brake light switch
F4	Reversing light switch
J104	ABS control unit
J419	Brake light additional relay
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
SC12	Fuse 12 on fuse holder C
T2af	2-pin connector, black, in E-box in engine compartment
T10b	10-pin connector, red, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Only models with manual gearbox
*2	Up to May 2007
*3	Only models with no electric interface
*4	From June 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

TCS and ESP button, Brake pressure solenoid trip switch, ABS control unit, ABS hydraulic unit, Brake pressure solenoid valve, ABS hydraulic pump

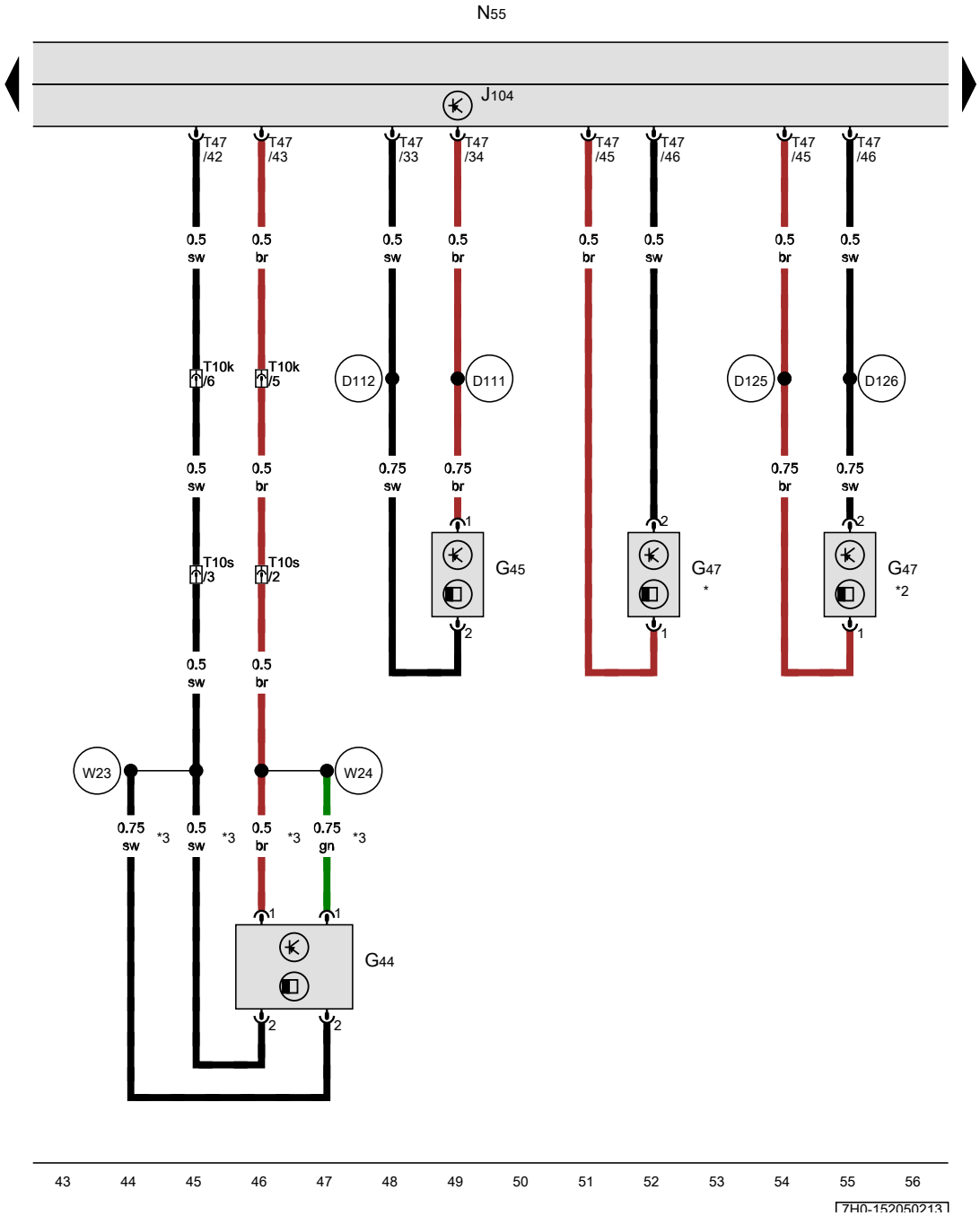
E256	TCS and ESP button
F84	Brake pressure solenoid trip switch
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
N247	Brake pressure solenoid valve
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T6s	6-pin connector
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
366	Earth connection 1, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left speed sensor, ABS control unit, ABS hydraulic unit

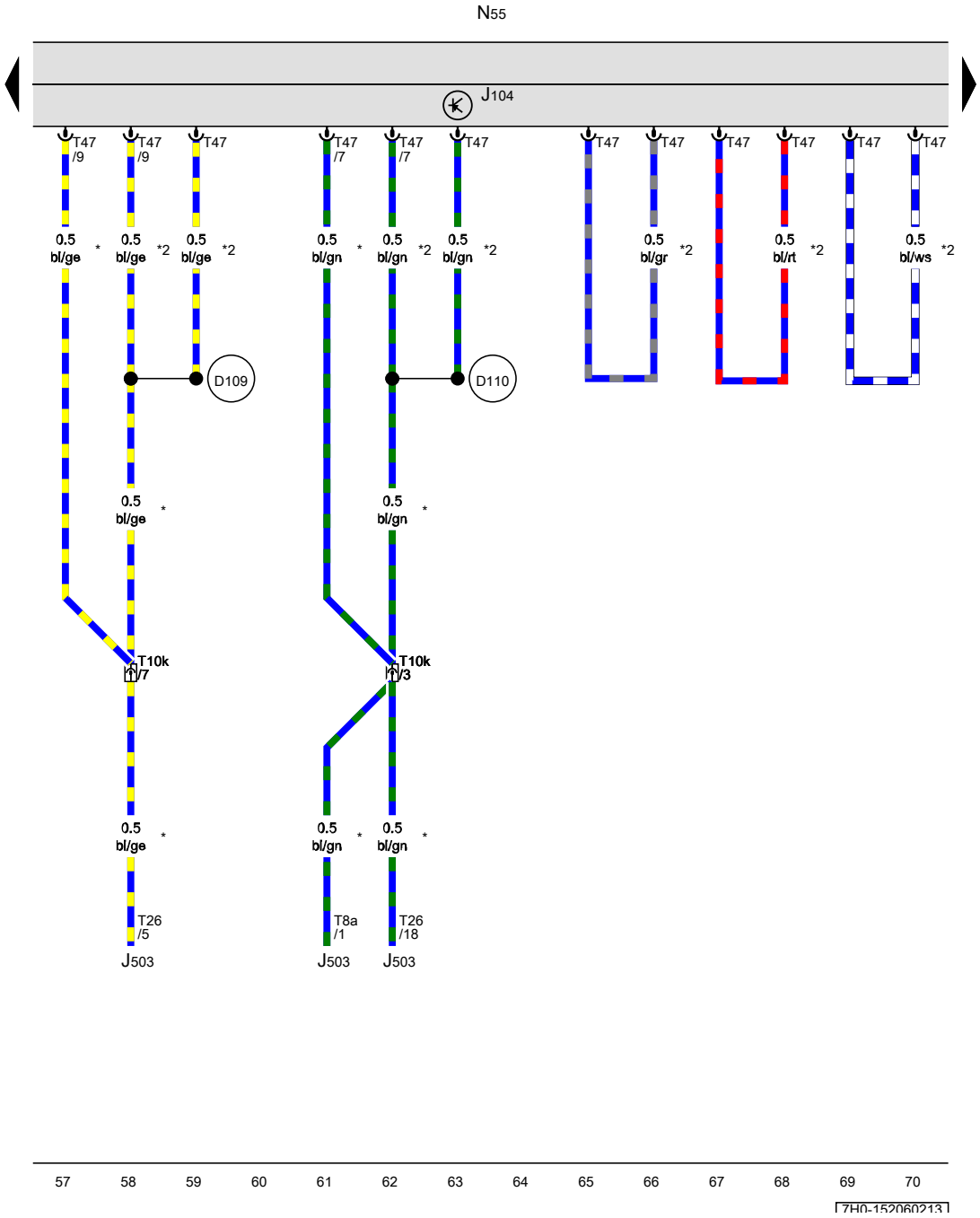
G46	Rear left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T6be	6-pin connector, grey, behind left D-pillar trim
T8ag	8-pin connector, black, behind left D-pillar trim
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
W75	Connection 3 (sensor), in rear wiring harness
W76	Connection 4 (sensor), in rear wiring harness
*	From November 2006
*2	Up to October 2006
*3	Only models with all-wheel drive, not for models with double cab/ dropside
*4	Only models with double cab/ dropside and models with no all-wheel drive



Rear right speed sensor, Front right speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

G44	Rear right speed sensor
G45	Front right speed sensor
G47	Front left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D125	Connection 23 in engine compartment wiring harness
D126	Connection 24 in engine compartment wiring harness
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness
*	Up to October 2006
*2	From November 2006
*3	According to equipment

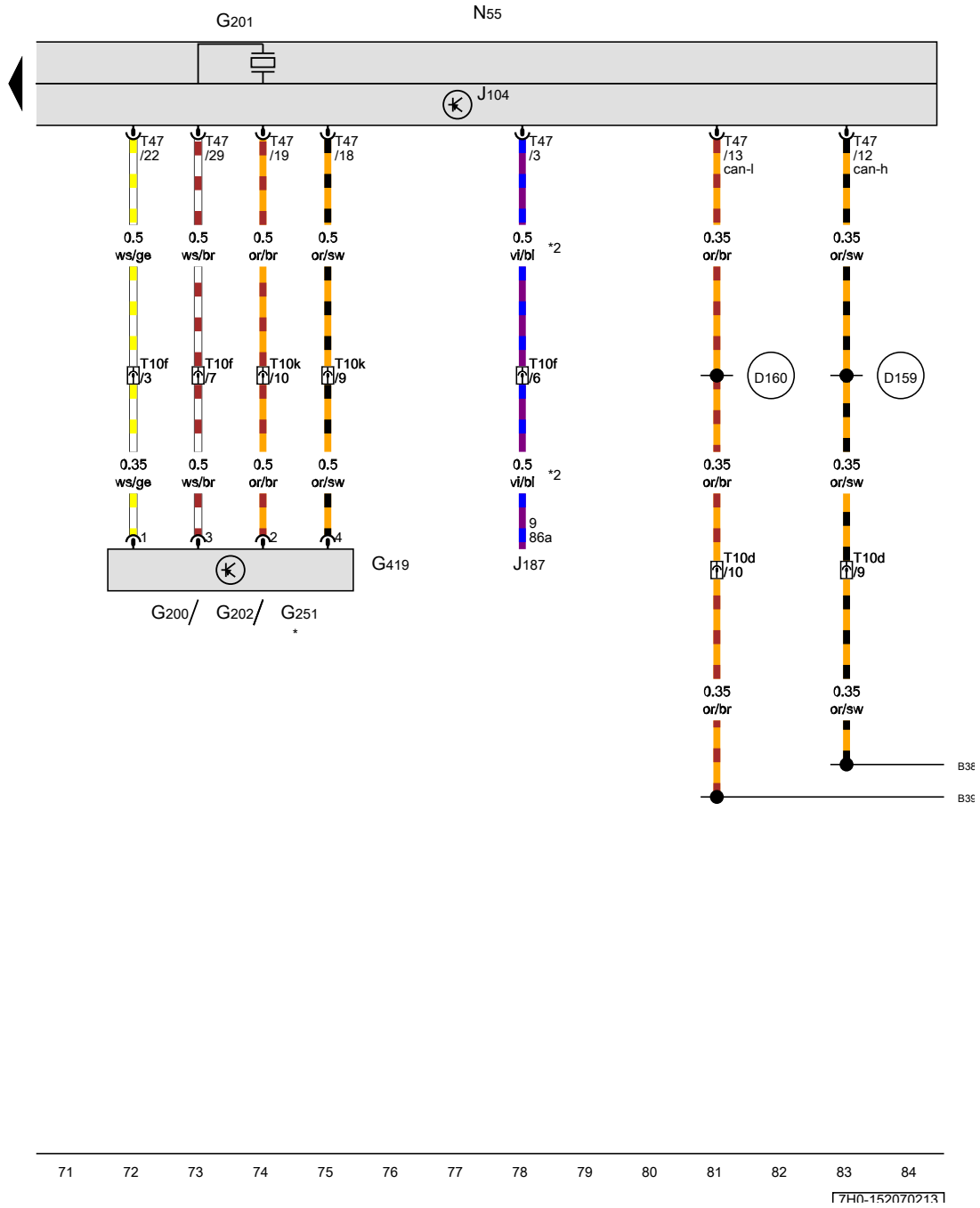
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ABS control unit, ABS hydraulic unit

J104	ABS control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T8a	8-pin connector, black
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
D110	Connection 8 in engine compartment wiring harness
*	According to equipment
*2	see fitting locations, ABS code table

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



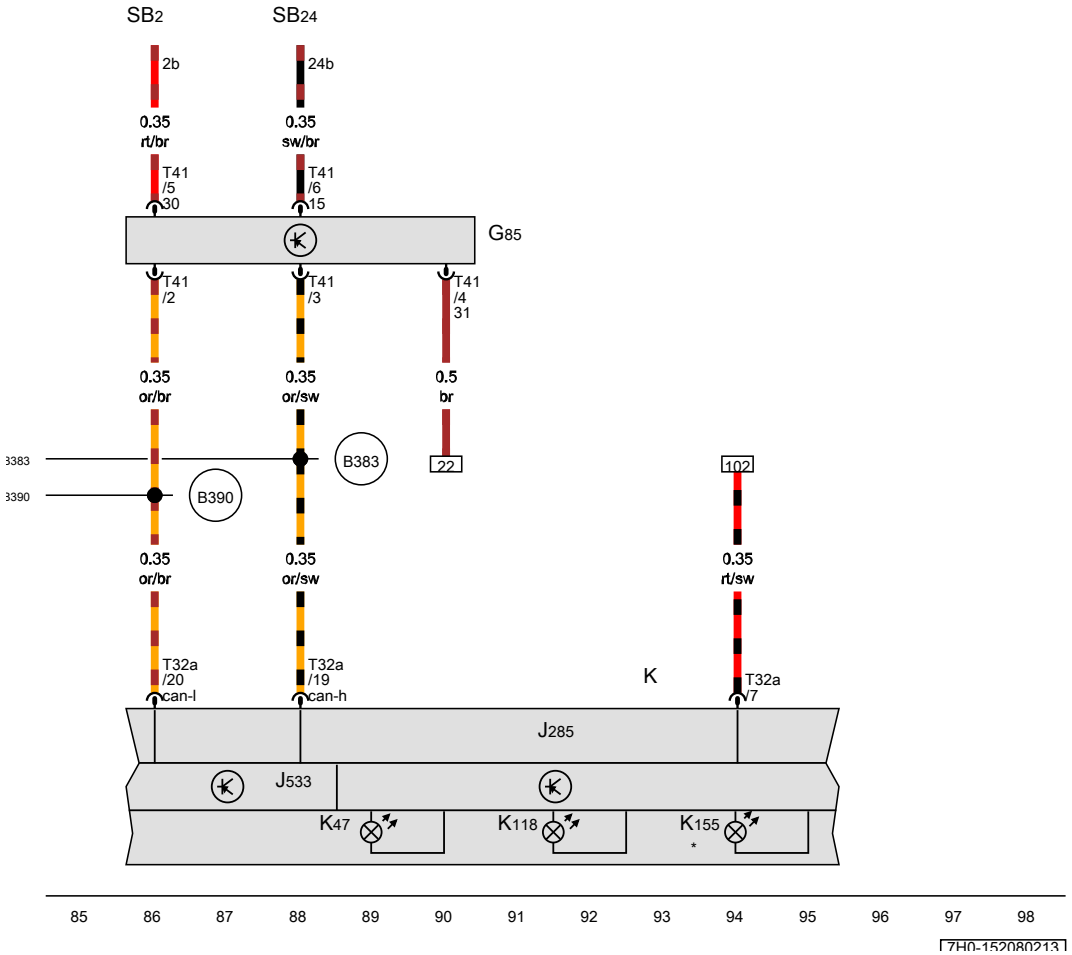
Brake pressure sender 1, ESP sensor unit, ABS control unit, ABS hydraulic unit

G200	Lateral acceleration sender
G201	Brake pressure sender 1
G202	Yaw rate sender
G251	Longitudinal acceleration sender
G419	ESP sensor unit
J104	ABS control unit
J187	Differential lock control unit
N55	ABS hydraulic unit
T10d	10-pin connector, blue, in E-box in engine compartment
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with all-wheel drive
*2	Only models with rear differential lock

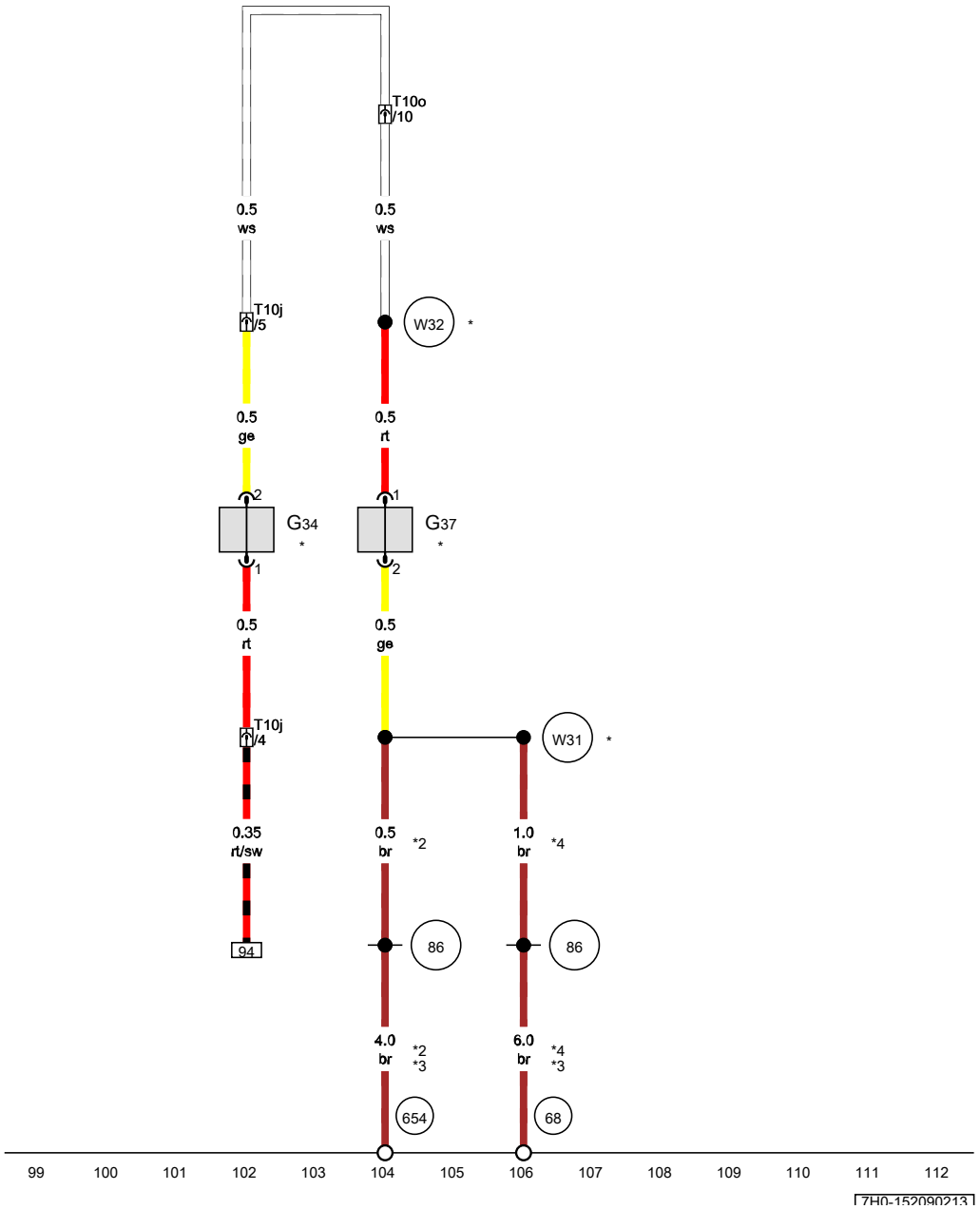
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Steering angle sender, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T32a	32-pin connector, green
T41	41-pin connector, grey
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	Only models with warning function for brake pad wear



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



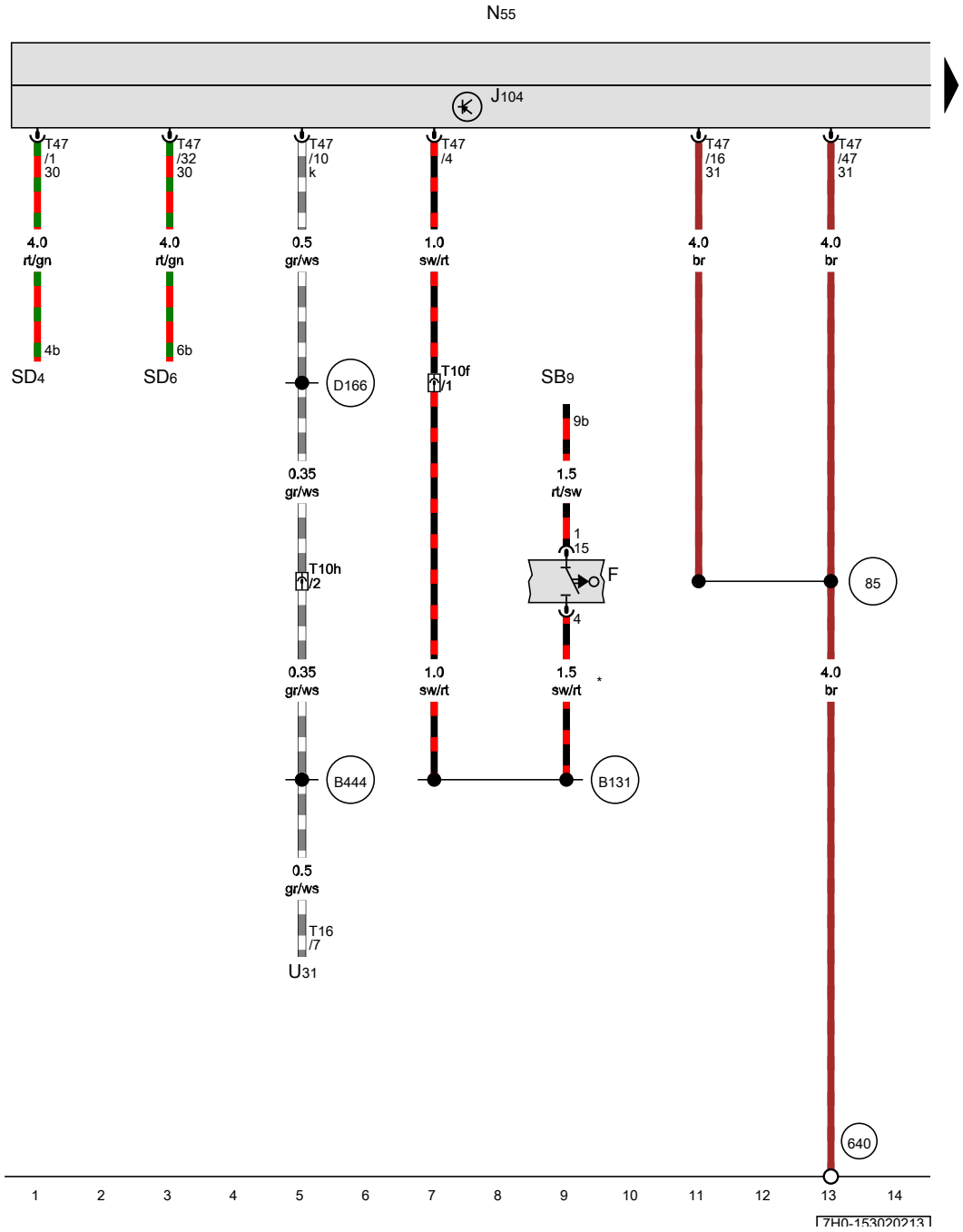
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Only Multivan, panel van or Kombi models
*3	Cross section depends on equipment
*4	Only models with double cab/ dropside

Anti-lock brake system (ABS) , (1AC),(1AR),(1D0)

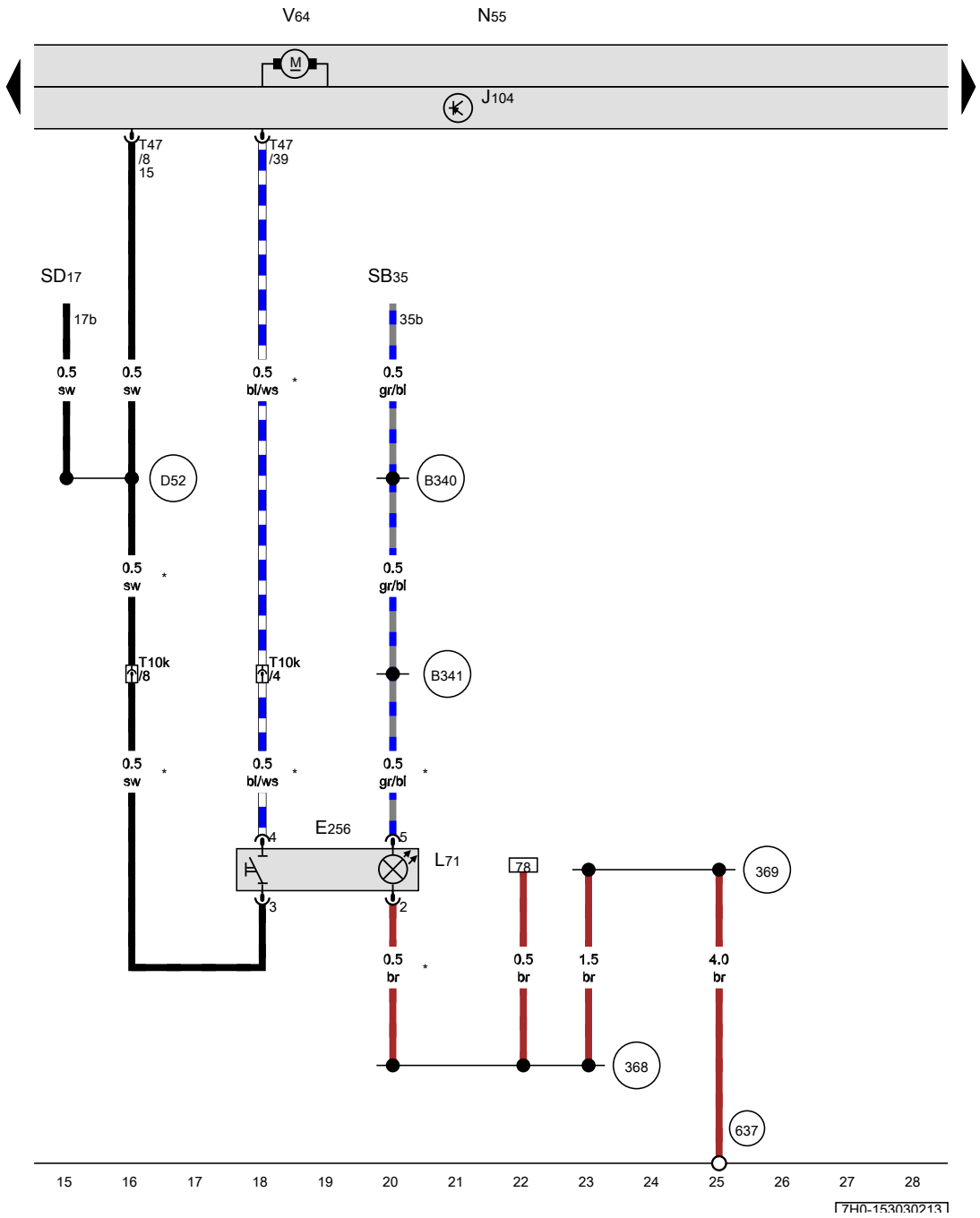
From June 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Brake light switch, ABS control unit, ABS hydraulic unit, Fuse 4 on fuse holder D, Fuse 6 on fuse holder D, Diagnostic connection

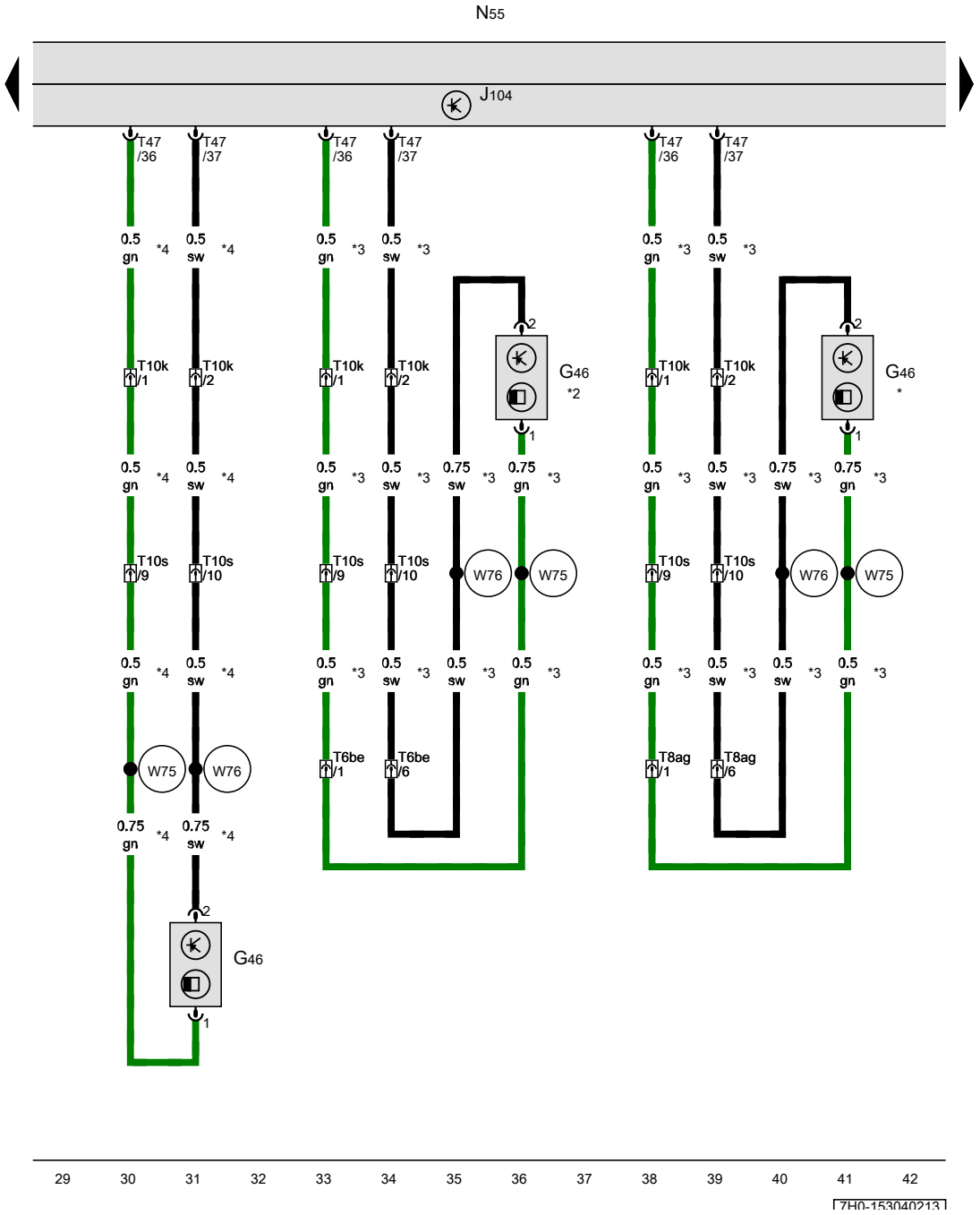
F	Brake light switch
J104	ABS control unit
N55	ABS hydraulic unit
SD4	Fuse 4 on fuse holder D
SD6	Fuse 6 on fuse holder D
SB9	Fuse 9 on fuse holder B
T10f	10-pin connector, green, in E-box in engine compartment
T10h	10-pin connector, orange, in E-box in engine compartment
T16	16-pin connector, on left under dash panel
T47	47-pin connector, black
U31	Diagnostic connection
85	Earth connection 1, in engine compartment wiring harness
640	Earth point 2, left in engine compartment
B131	Connection (54), in interior wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D166	Connection (K-diagnosis wire), in engine compartment wiring harness
*	Only models with no electric interface



TCS and ESP button, ABS control unit, ABS hydraulic unit, ABS hydraulic pump

E256	TCS and ESP button
J104	ABS control unit
L71	Traction control switch illumination bulb
N55	ABS hydraulic unit
SD17	Fuse 17 on fuse holder D
SB35	Fuse 35 on fuse holder B
T10k	10-pin connector, purple, in E-box in engine compartment
T47	47-pin connector, black
V64	ABS hydraulic pump
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
D52	Positive connection (15a), in engine compartment wiring harness
*	Only models with traction control system (TCS)

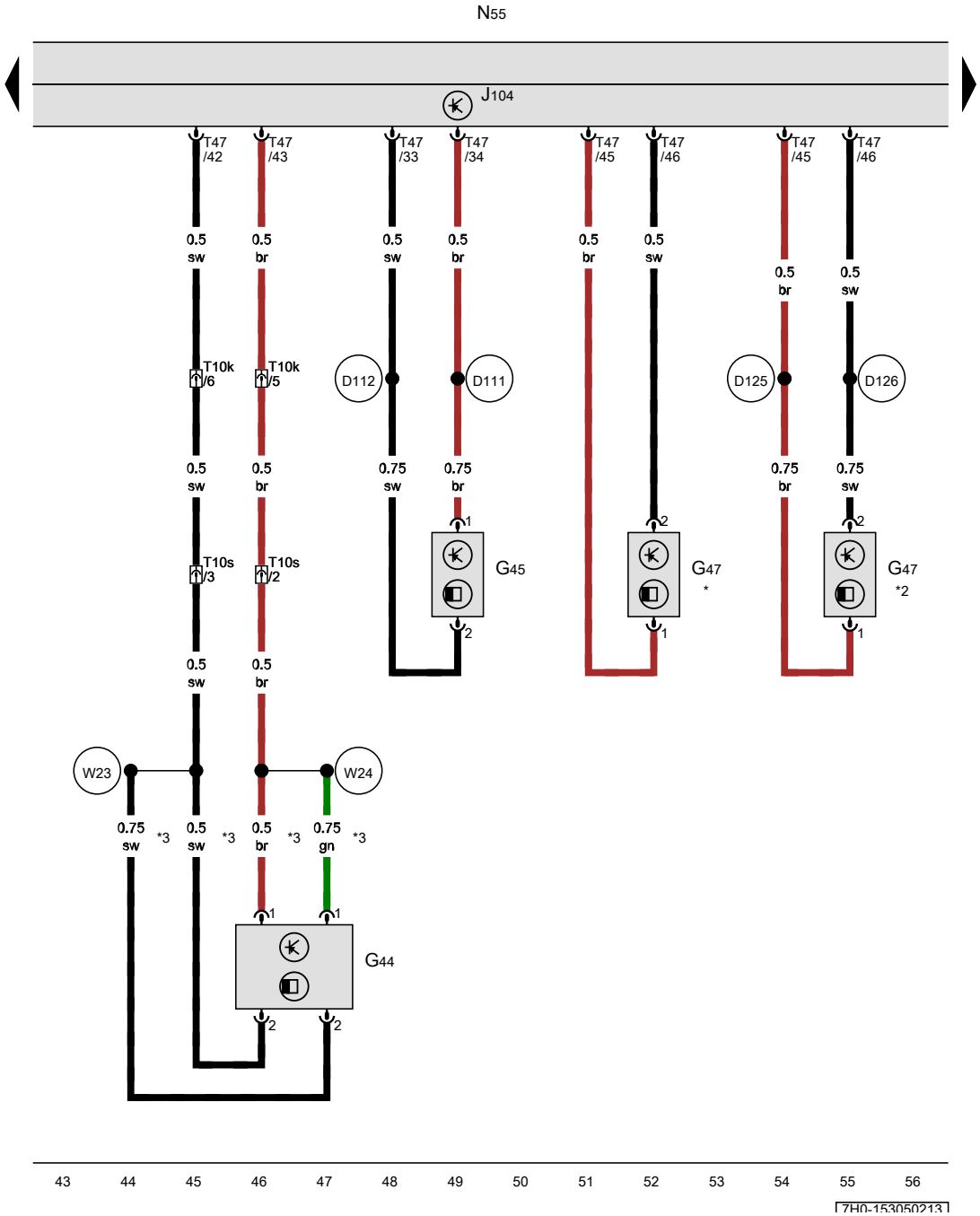
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left speed sensor, ABS control unit, ABS hydraulic unit

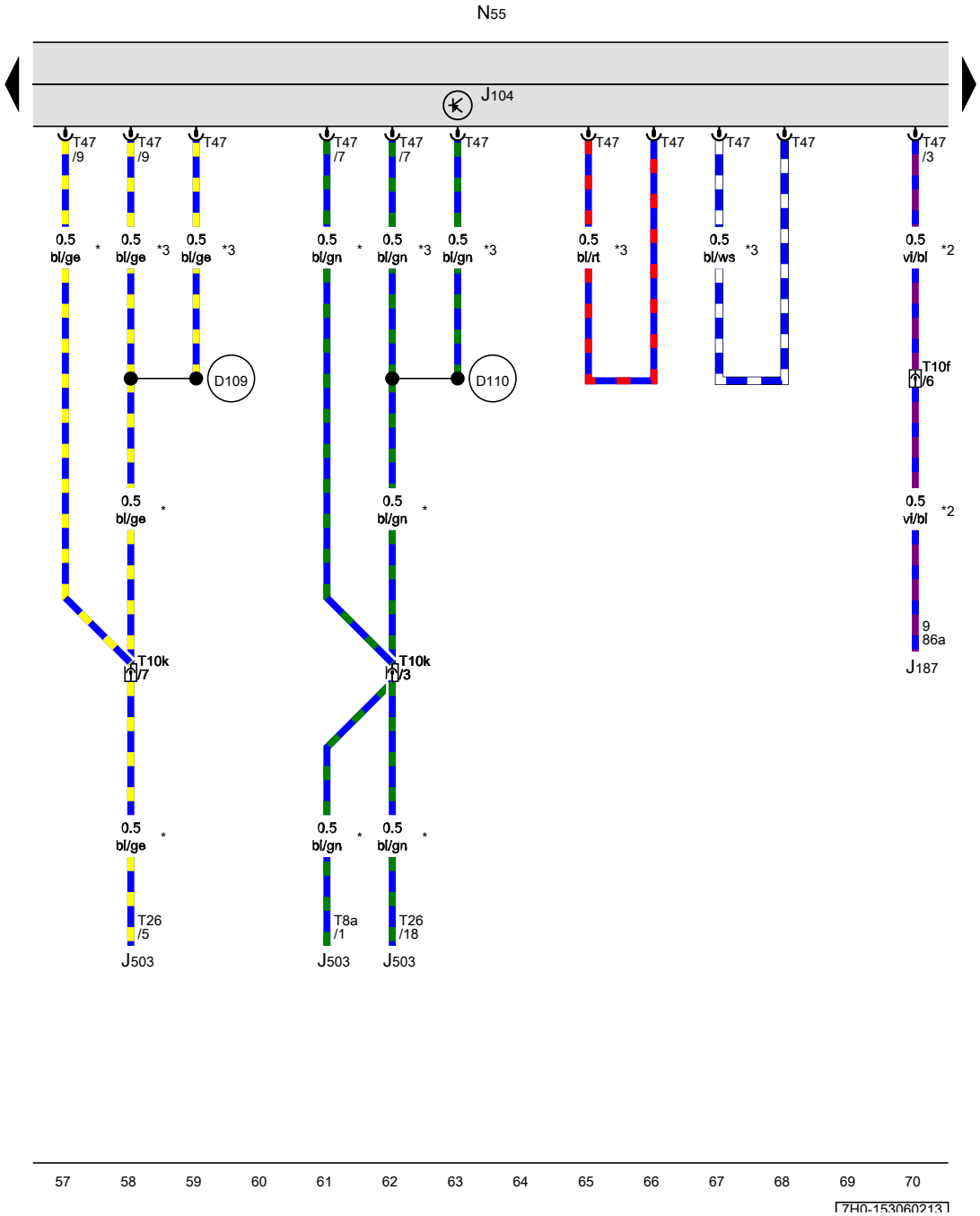
G46	Rear left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T6be	6-pin connector, grey, behind left D-pillar trim
T8ag	8-pin connector, black, behind left D-pillar trim
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
W75	Connection 3 (sensor), in rear wiring harness
W76	Connection 4 (sensor), in rear wiring harness
*	From November 2006
*2	Up to October 2006
*3	Only models with all-wheel drive, not for models with double cab/ dropside
*4	Only models with double cab/ dropside and models with no all-wheel drive



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear right speed sensor, Front right speed sensor, Front left speed sensor, ABS control unit, ABS hydraulic unit

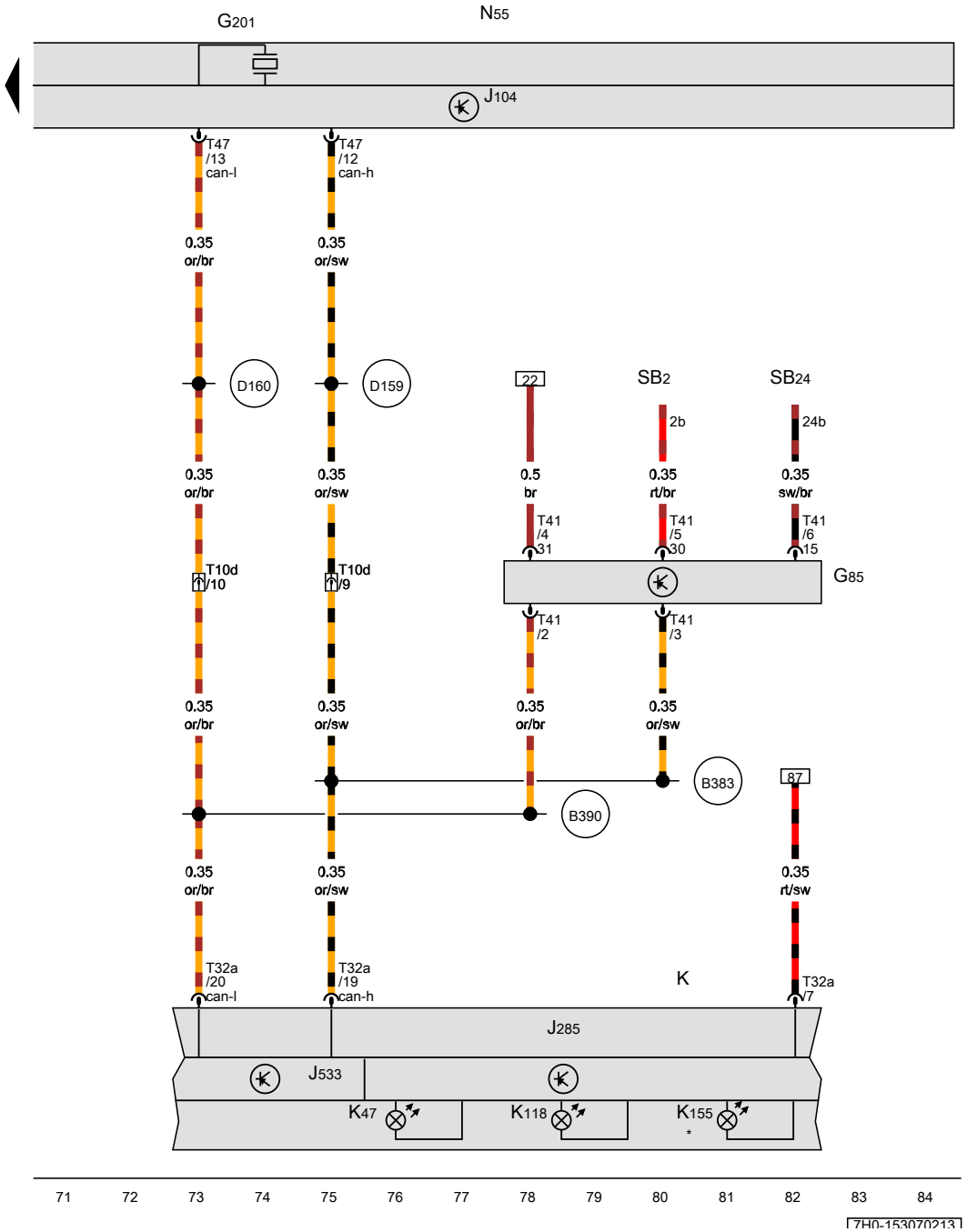
G44	Rear right speed sensor
G45	Front right speed sensor
G47	Front left speed sensor
J104	ABS control unit
N55	ABS hydraulic unit
T10k	10-pin connector, purple, in E-box in engine compartment
T10s	10-pin connector, brown, under driver seat
T47	47-pin connector, black
D111	Connection 9 in engine compartment wiring harness
D112	Connection 10 in engine compartment wiring harness
D125	Connection 23 in engine compartment wiring harness
D126	Connection 24 in engine compartment wiring harness
W23	Connection 1 (sensor), in rear wiring harness
W24	Connection 2 (sensor), in rear wiring harness
*	Up to October 2006
*2	From November 2006
*3	According to equipment



ABS control unit, ABS hydraulic unit

J104	ABS control unit
J187	Differential lock control unit
J503	Control unit with display for radio and navigation
N55	ABS hydraulic unit
T8a	8-pin connector, black
T10f	10-pin connector, green, in E-box in engine compartment
T10k	10-pin connector, purple, in E-box in engine compartment
T26	26-pin connector
T47	47-pin connector, black
D109	Connection 7 in engine compartment wiring harness
D110	Connection 8 in engine compartment wiring harness
*	According to equipment
*2	Only models with rear differential lock
*3	see fitting locations, ABS code table

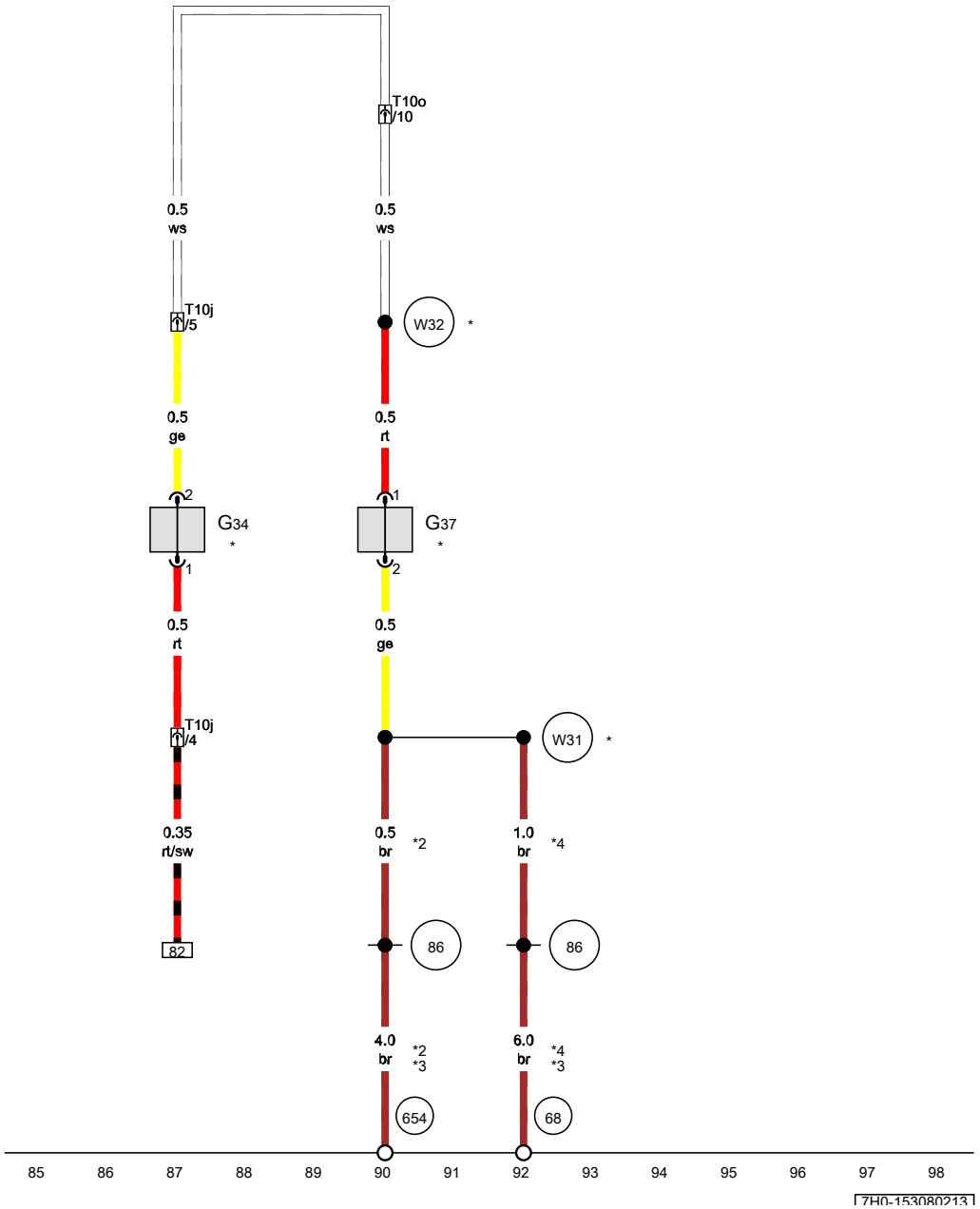
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Steering angle sender, Brake pressure sender 1, ABS control unit, Data bus diagnostic interface, Dash panel insert, ABS warning lamp, ABS hydraulic unit, Fuse 2 on fuse holder B, Fuse 24 on fuse holder B

G85	Steering angle sender
G201	Brake pressure sender 1
J104	ABS control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
K47	ABS warning lamp
K118	Brake system warning lamp
K155	ESP and TCS warning lamp
N55	ABS hydraulic unit
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T10d	10-pin connector, blue, in E-box in engine compartment
T32a	32-pin connector, green
T41	41-pin connector, grey
T47	47-pin connector, black
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
*	Only models with warning function for brake pad wear



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front left brake pad wear sender, Rear right brake pad wear sender

G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
T10j	10-pin connector, dark brown, in E-box in engine compartment
T10o	10-pin connector, light green, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
654	Earth point, on right D-pillar
W31	Connection 1 (brake pad wear indicator), in rear wiring harness
W32	Connection 2 (brake pad wear indicator), in rear wiring harness
*	Only models with warning function for brake pad wear
*2	Only Multivan, panel van or Kombi models
*3	Cross section depends on equipment
*4	Only models with double cab/ dropside

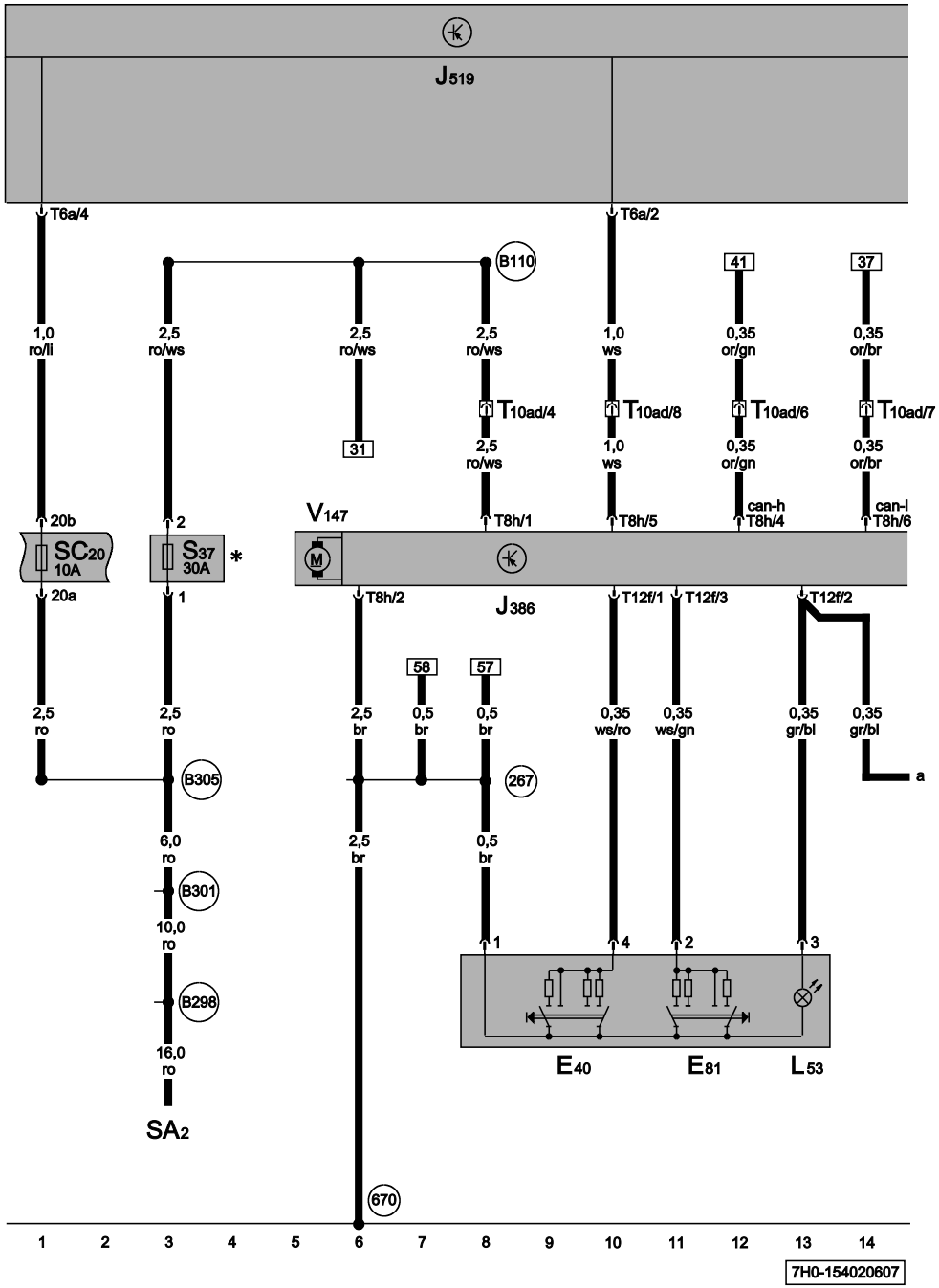
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

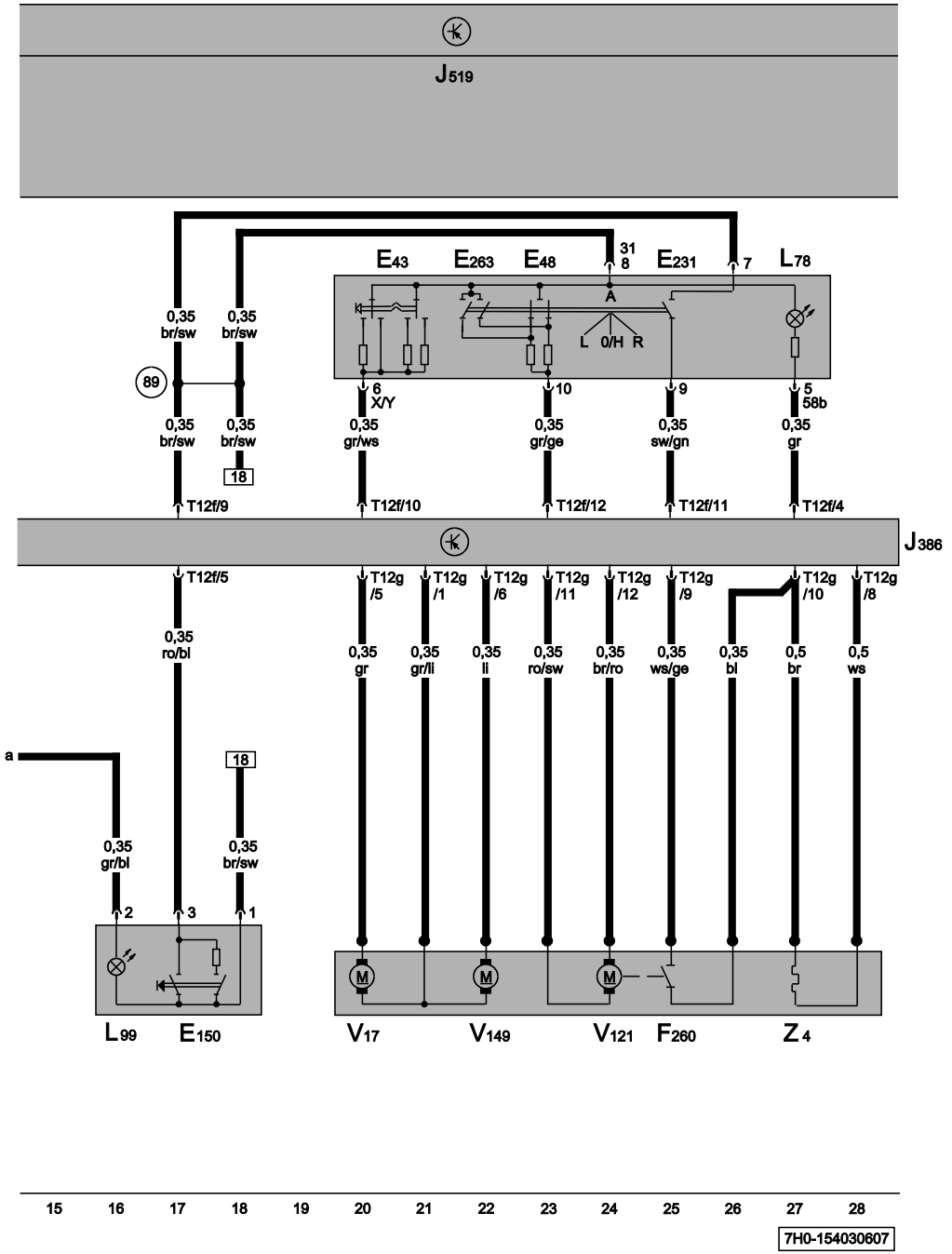
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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or = orange
rs = pink

Front left and right window regulator switch in driver door, window regulator single fuse, driver door control unit

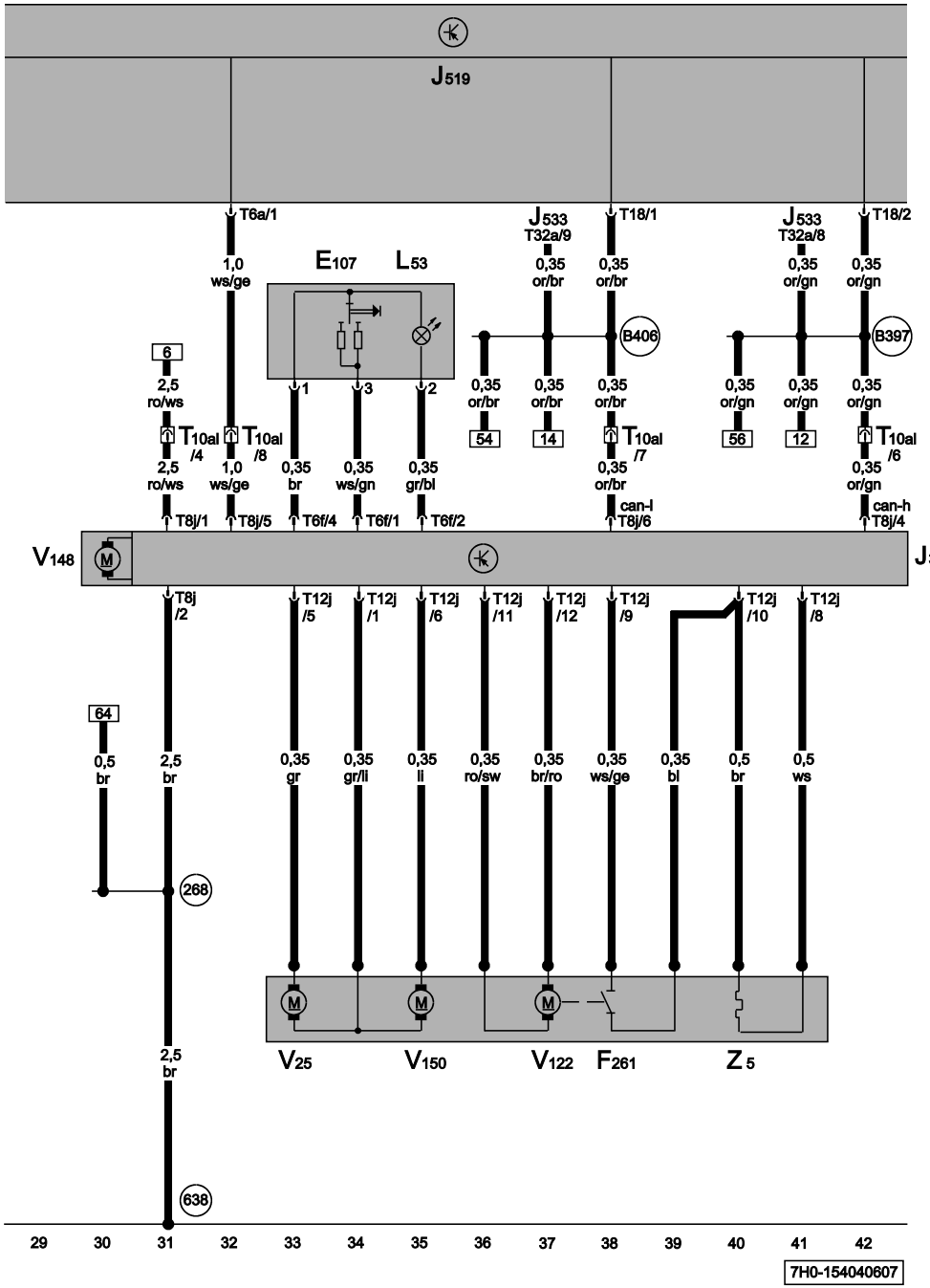
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SA2	Fuse 2 on fuse holder A
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12f	12-pin connector
V147	Driver side window regulator motor
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations



Mirror adjustment switch, driver door control unit, driver side mirror adjustment motor, driver side heated exterior mirror, driver side interior locking switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E150	Driver side interior locking switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
L99	Interior lock switch illumination bulb
T12f	12-pin connector
T12g	12-pin connector
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness

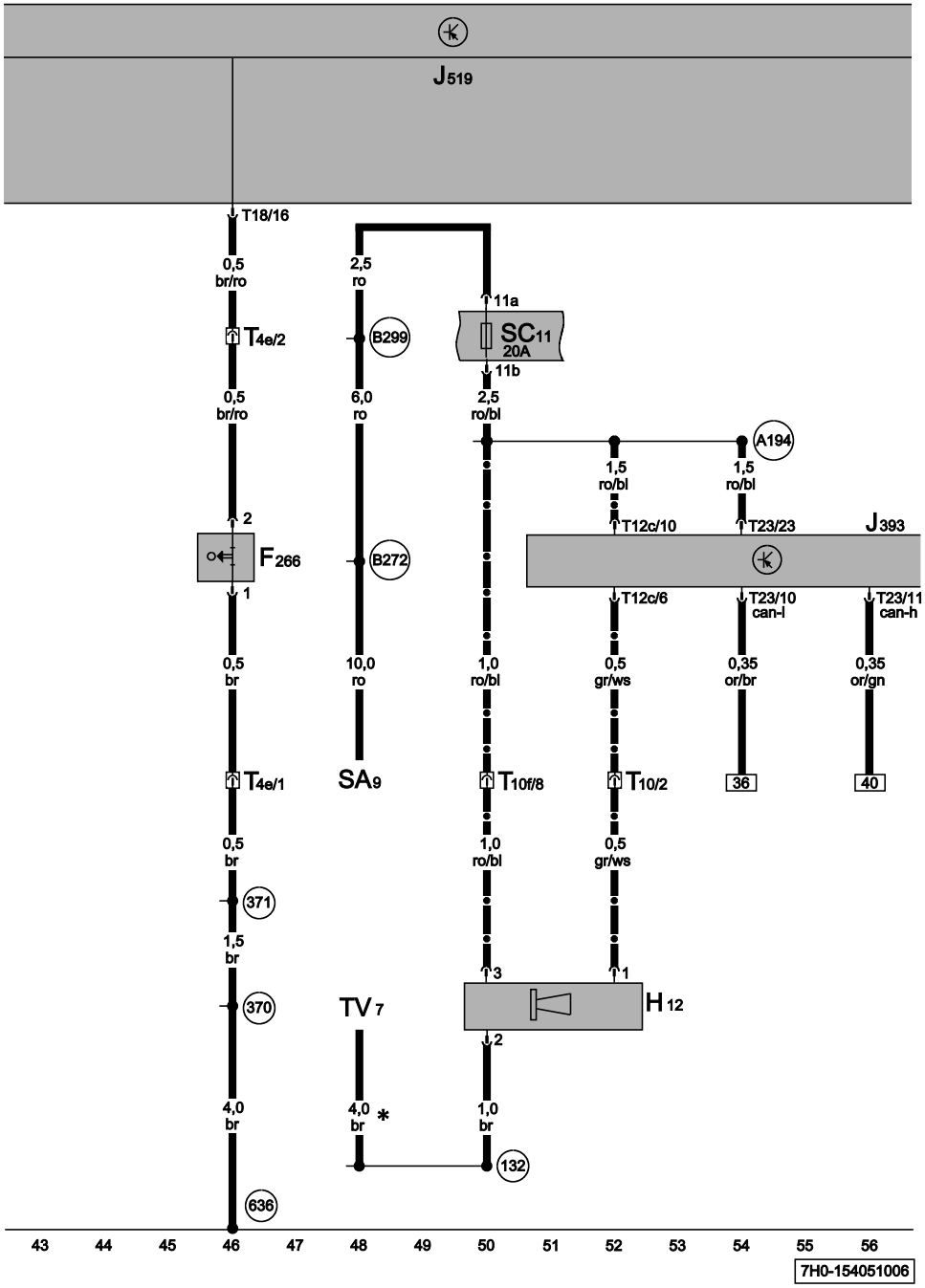
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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sw = black
ro = red
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ge = yellow
or = orange
rs = pink

Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
J533	Data bus diagnostic interface
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T8j	8-pin connector
T10al	10-pin connector, red, coupling station on right of A-pillar
T12j	12-pin connector
T18	18-pin connector, black
T32a	32-pin connector, green
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



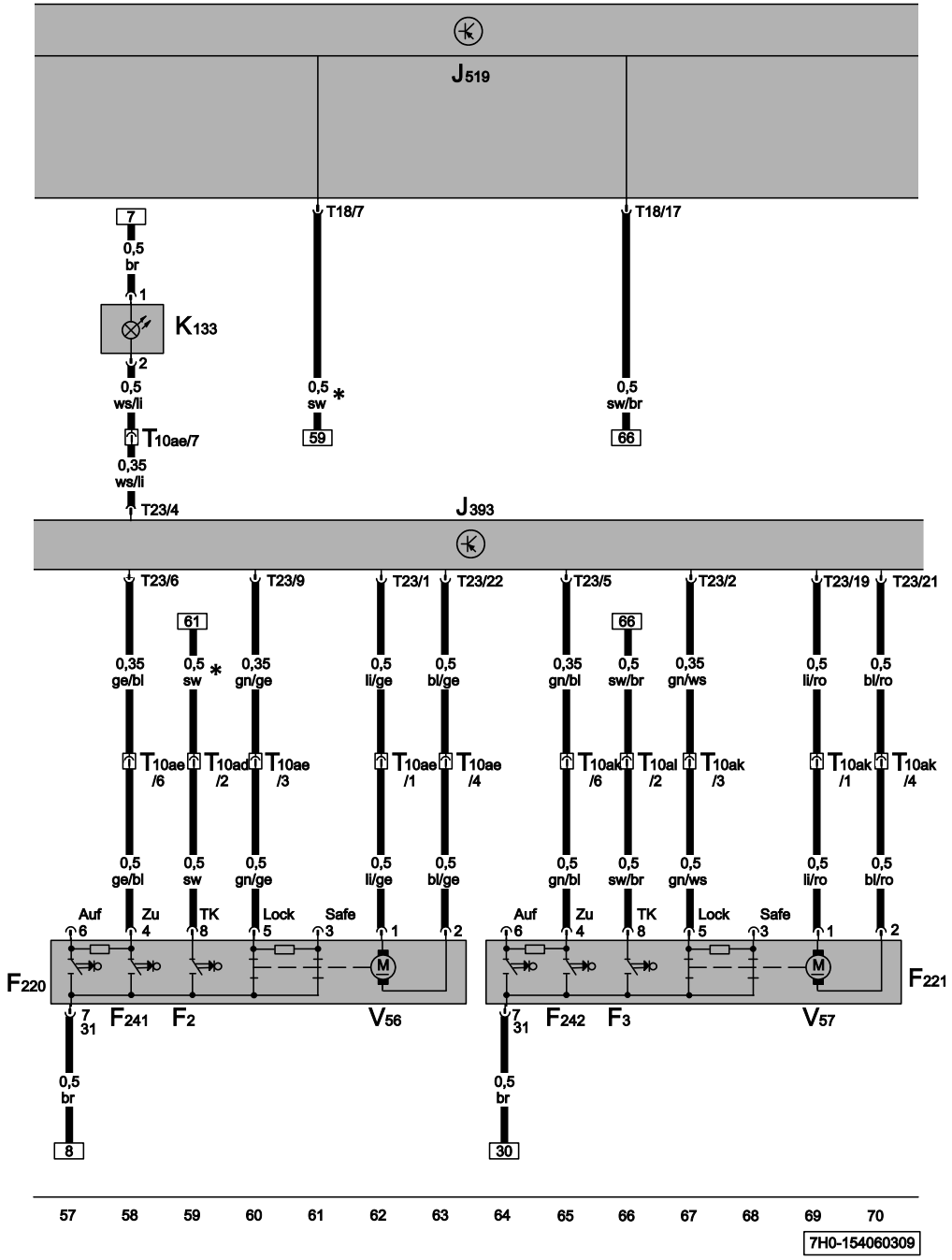
ws = white

Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
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or	=	orange
rs	=	pink

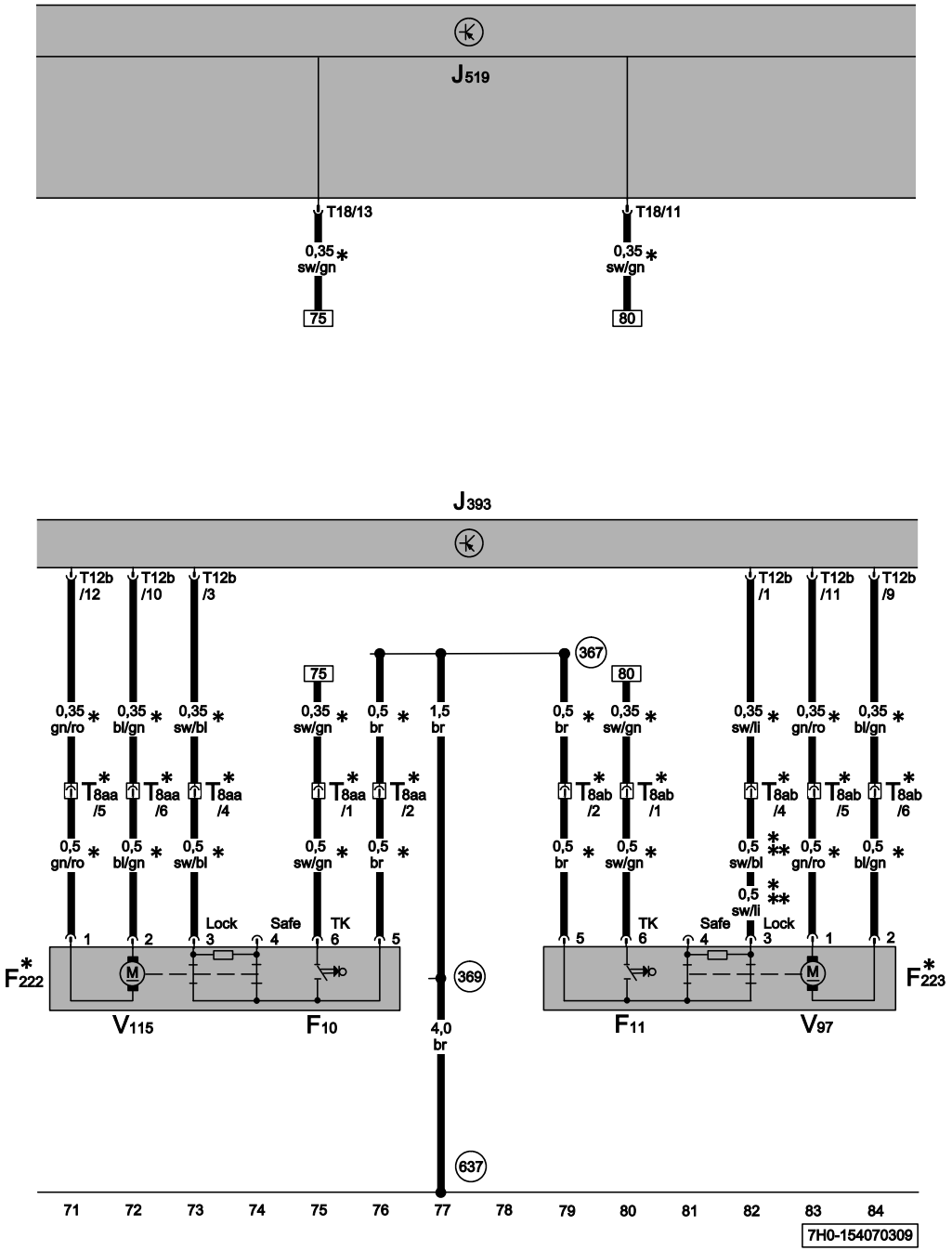
width="20pt" scaling="uniform"/>



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
*	for models without taxi equipment only

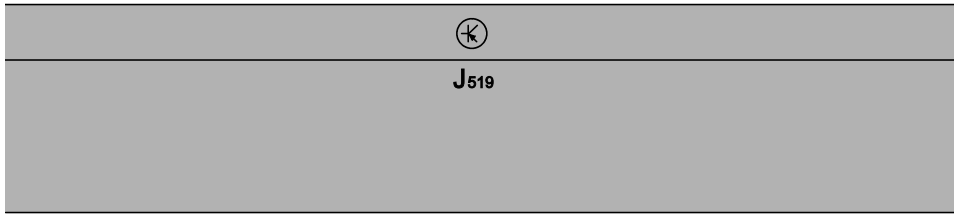
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or	=	orange
rs	=	pink

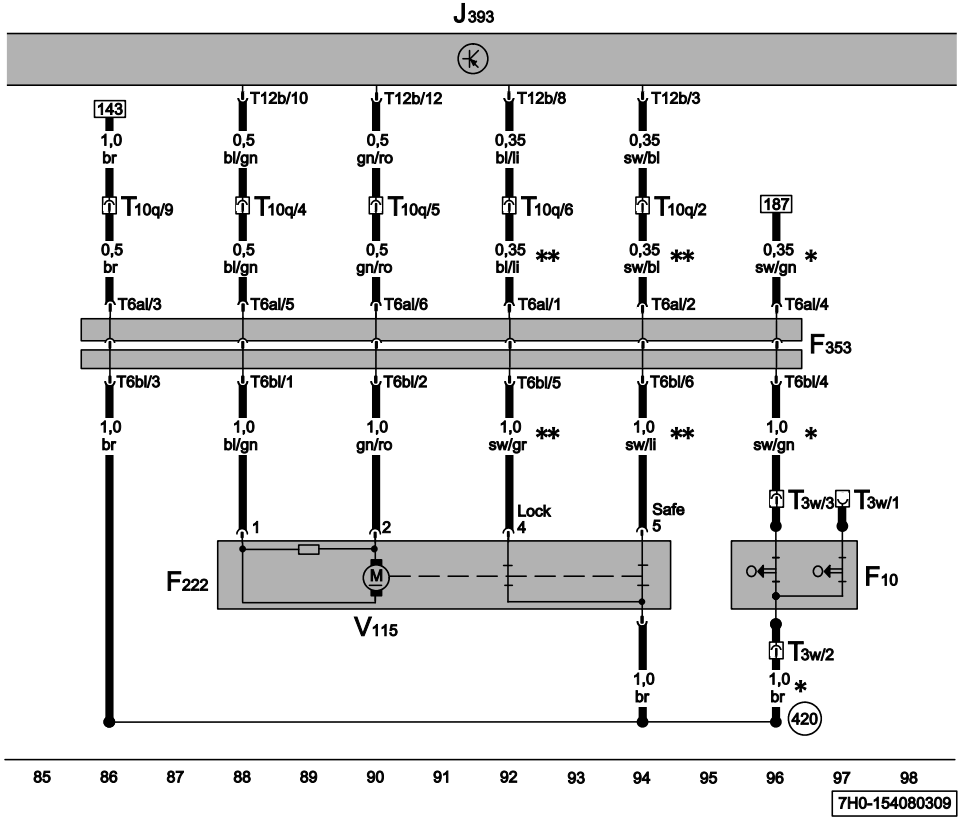


Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

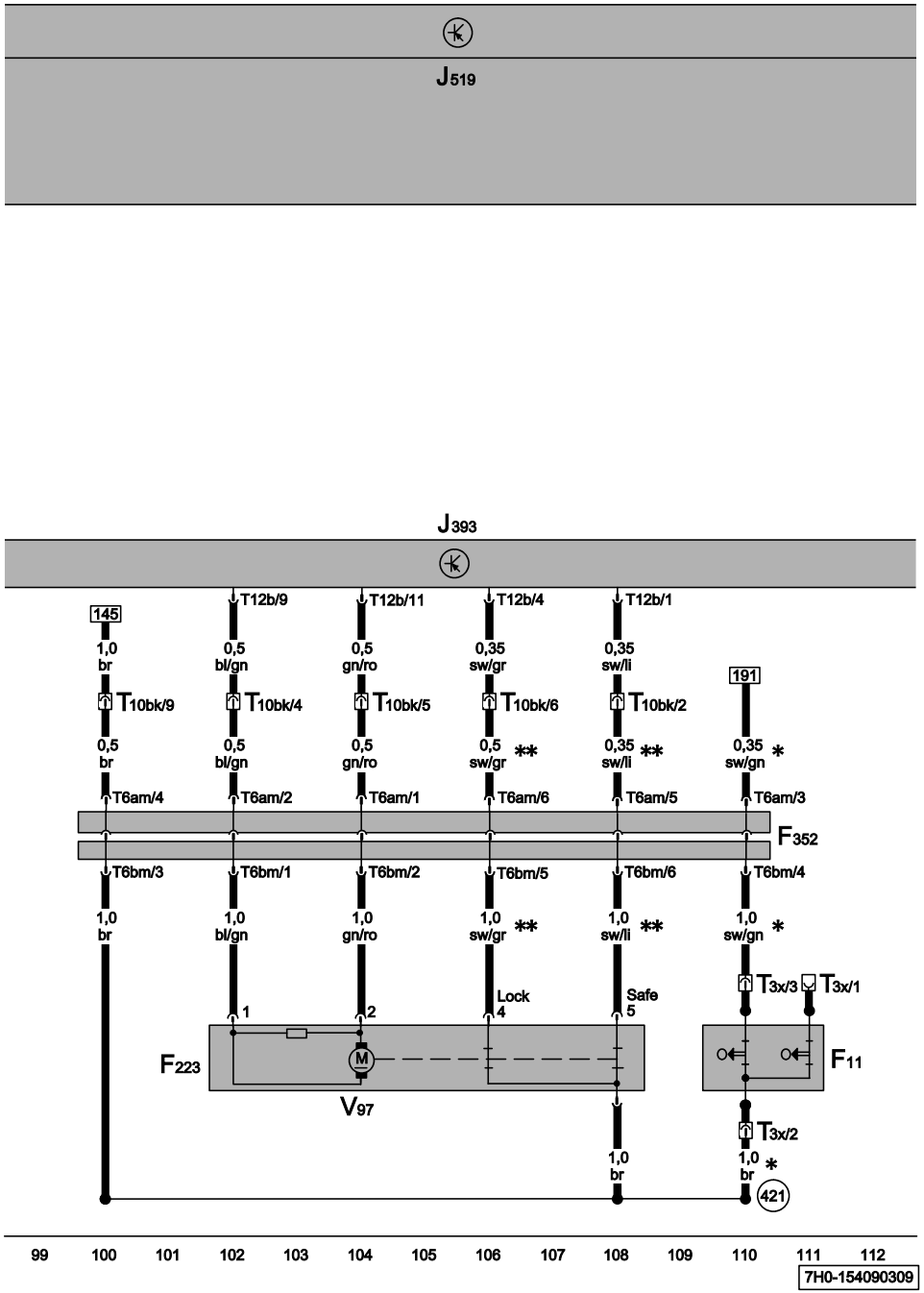




Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

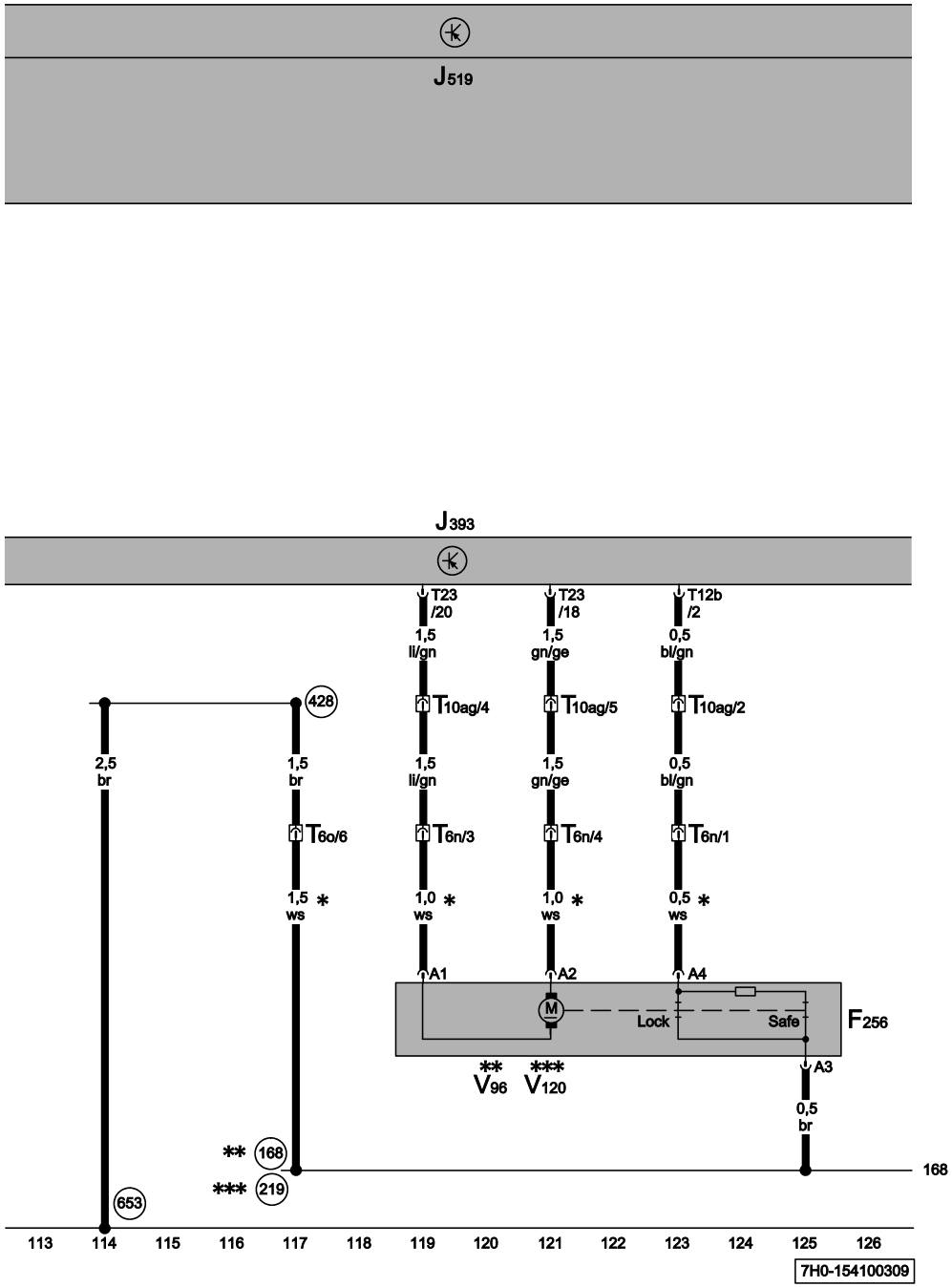
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br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

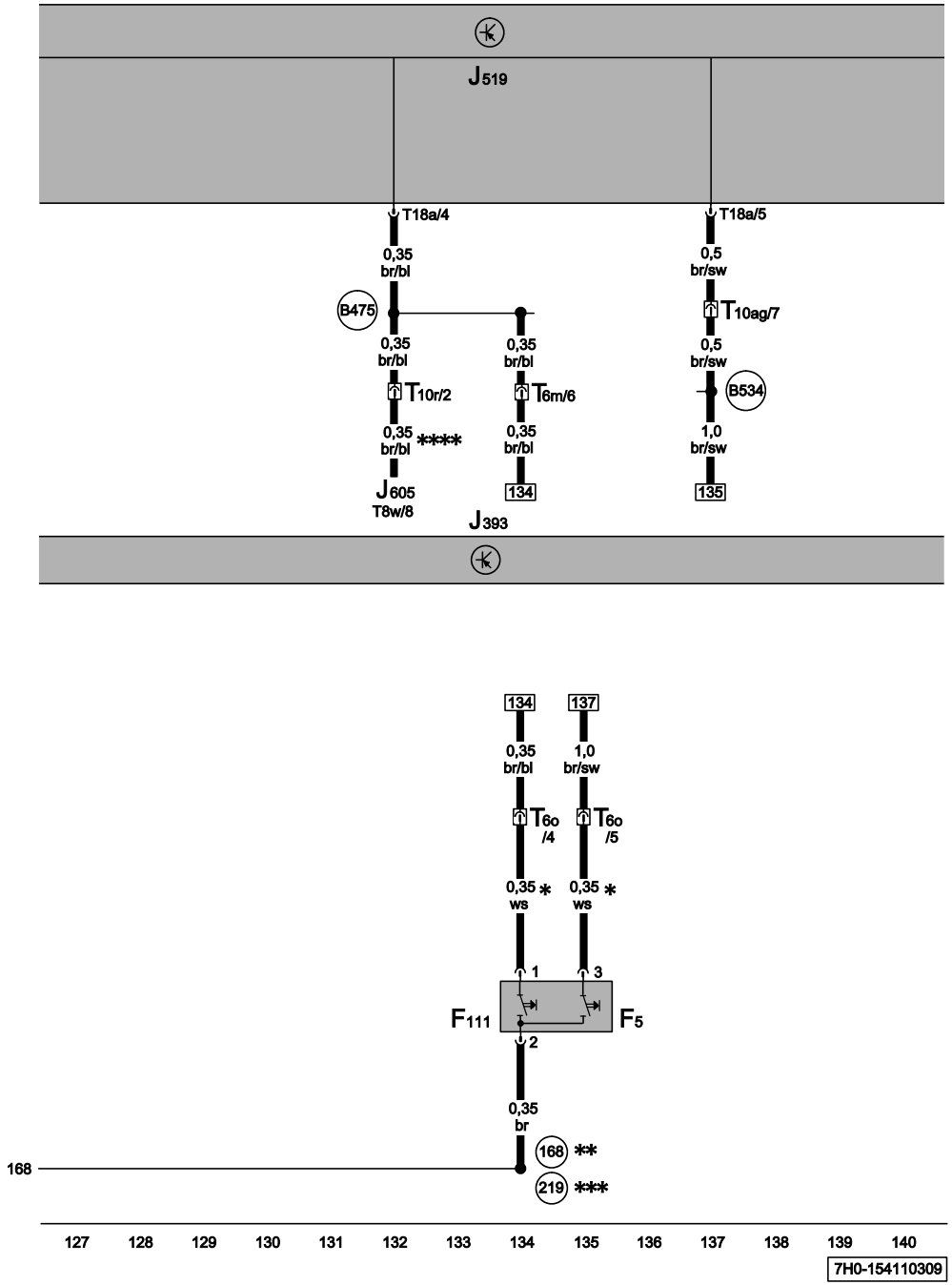
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

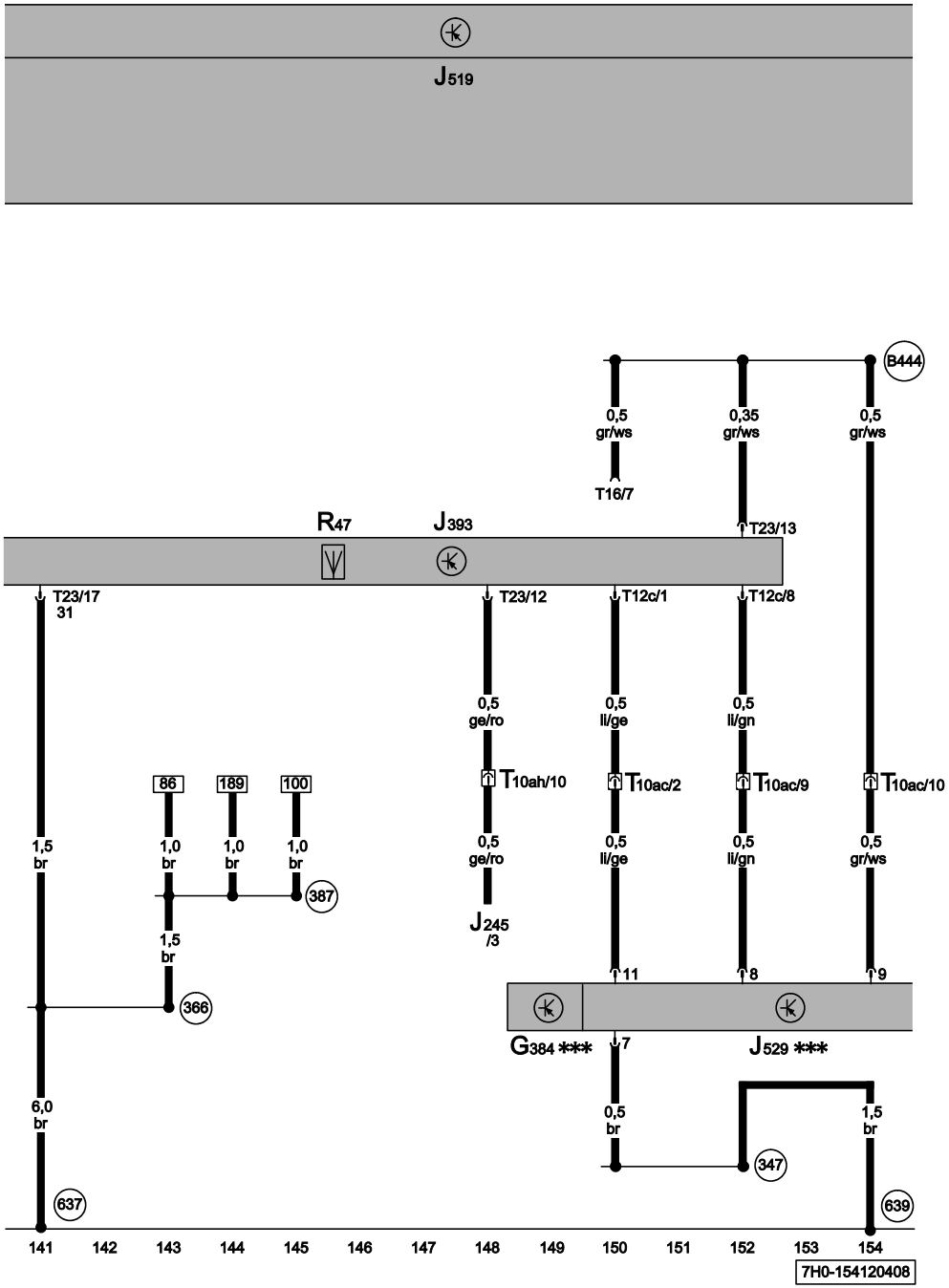
F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only



Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	wire colour is white and wire is printed
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with rear lid and power latching system only

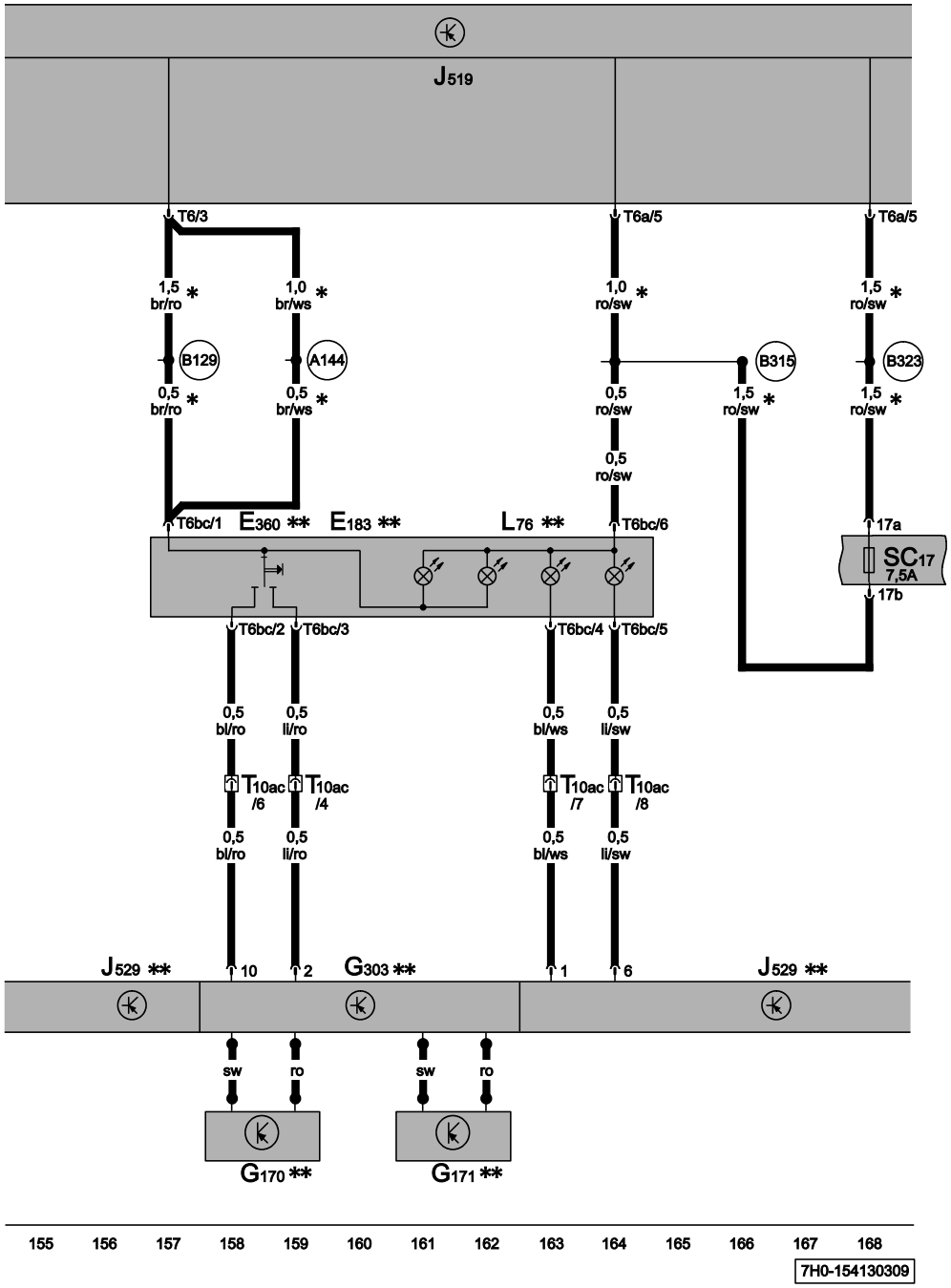
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
***	for models with anti-theft alarm system only 7AL/7AQ

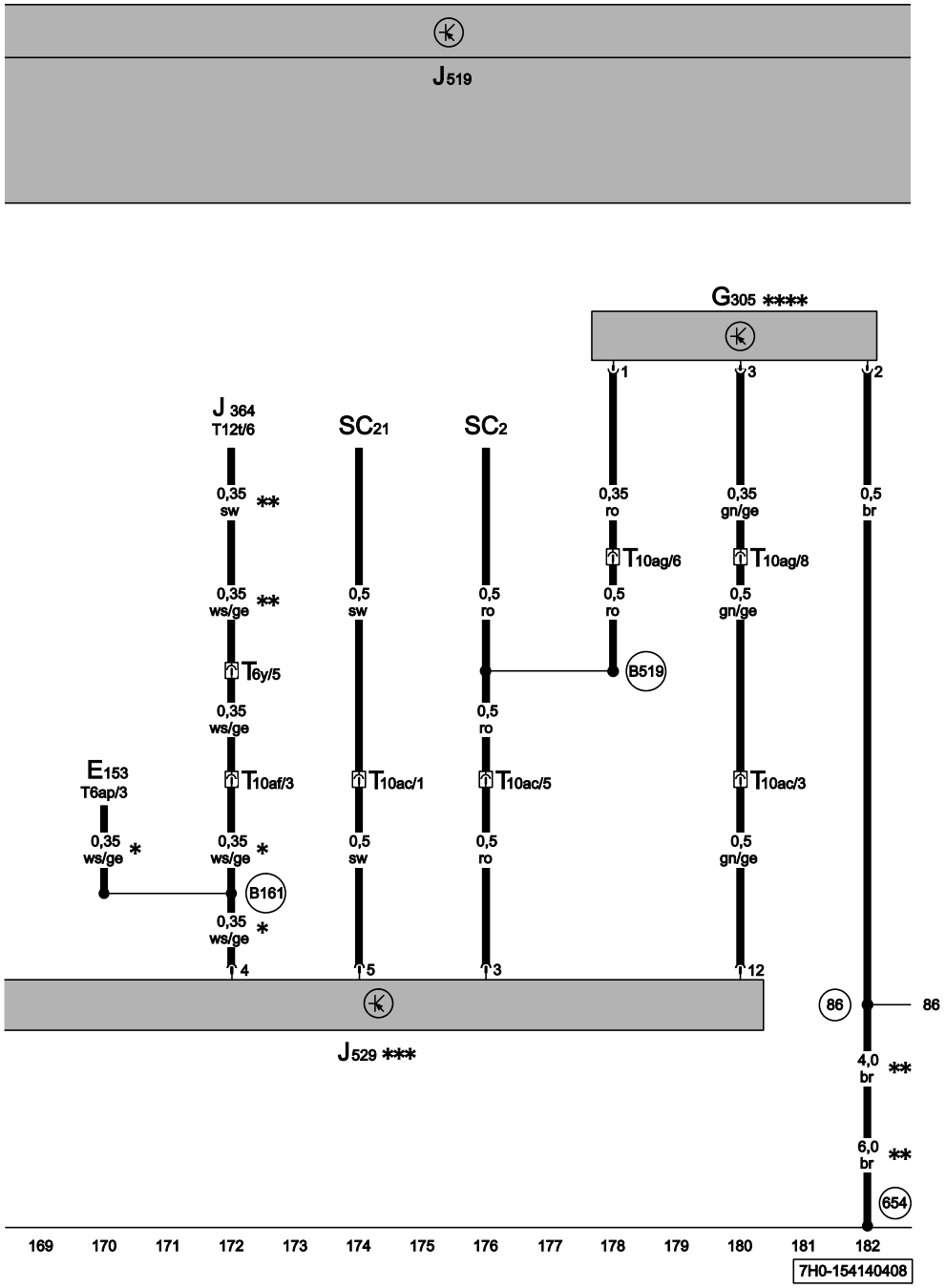
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

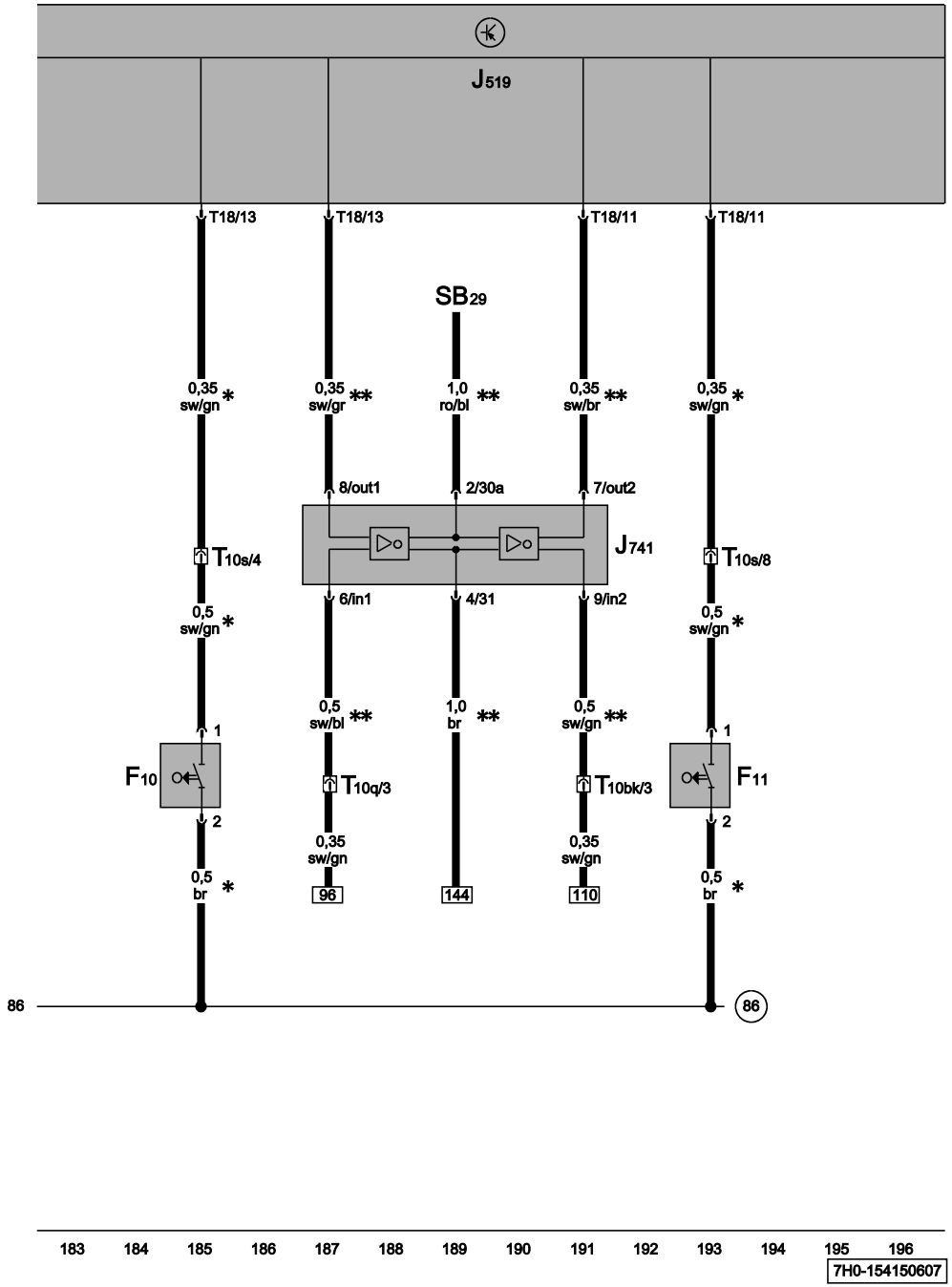
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gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
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rs	=	pink



Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
(86)	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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rs	=	pink

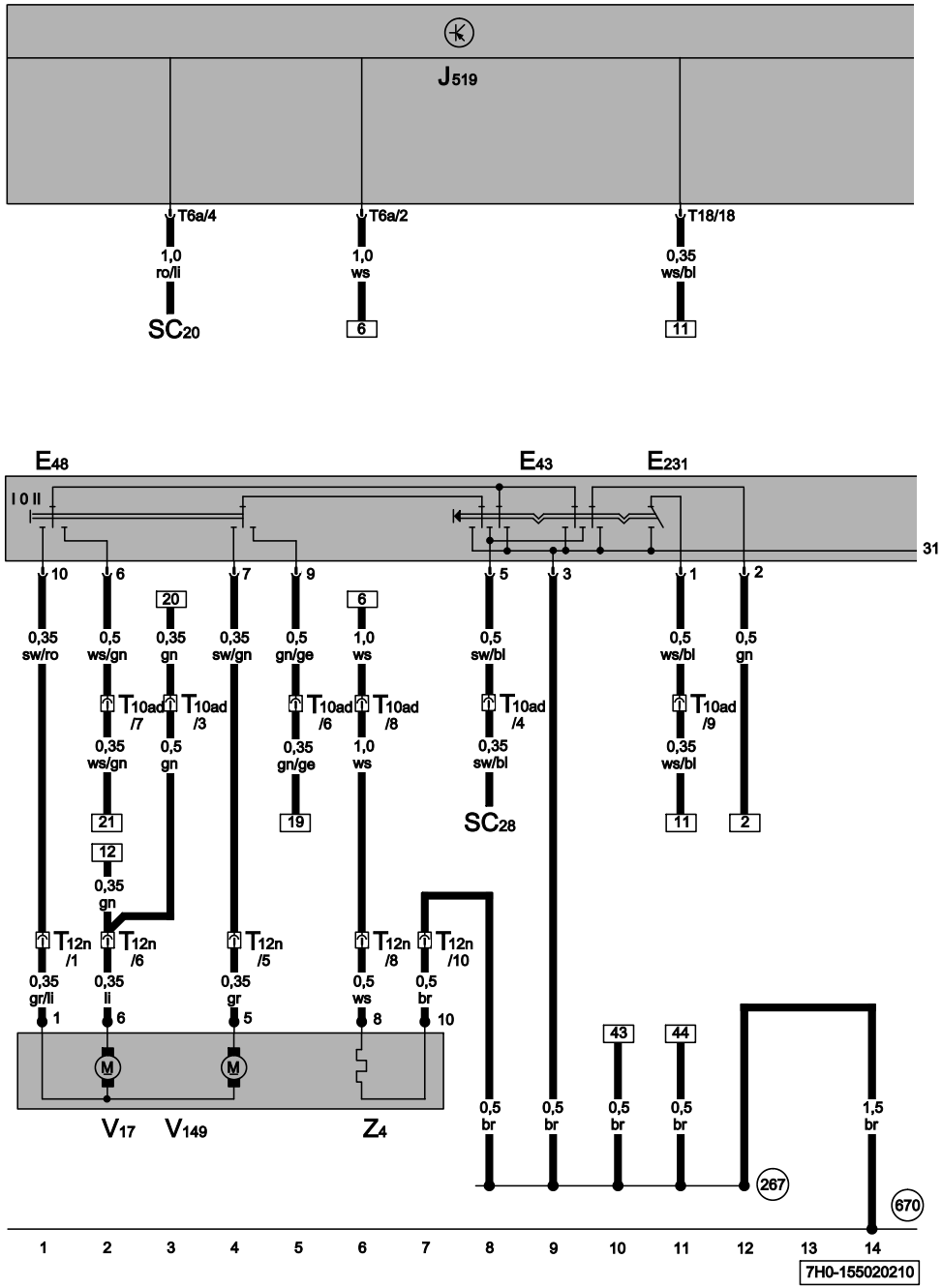
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

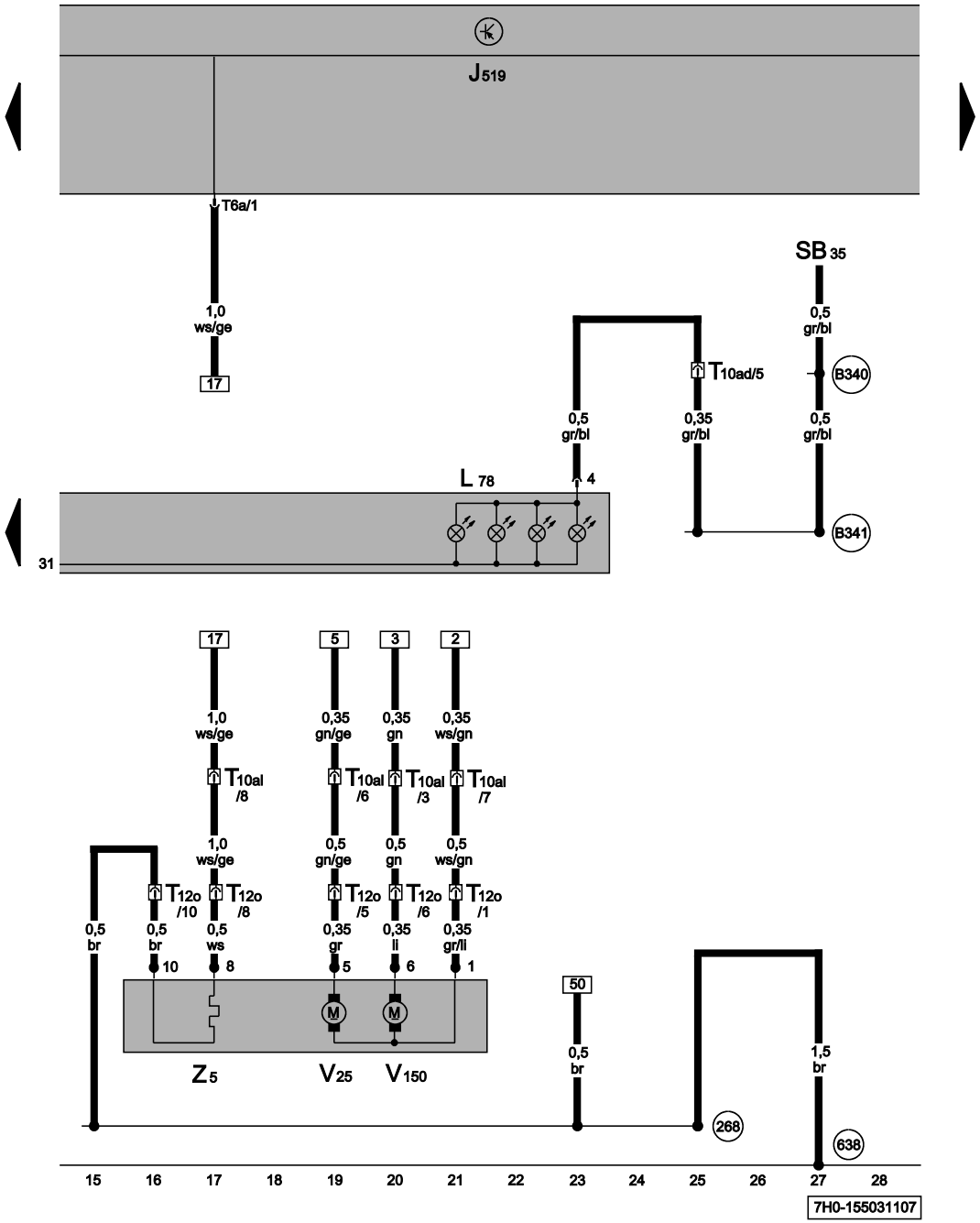
⇒ guided fault finding



Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar

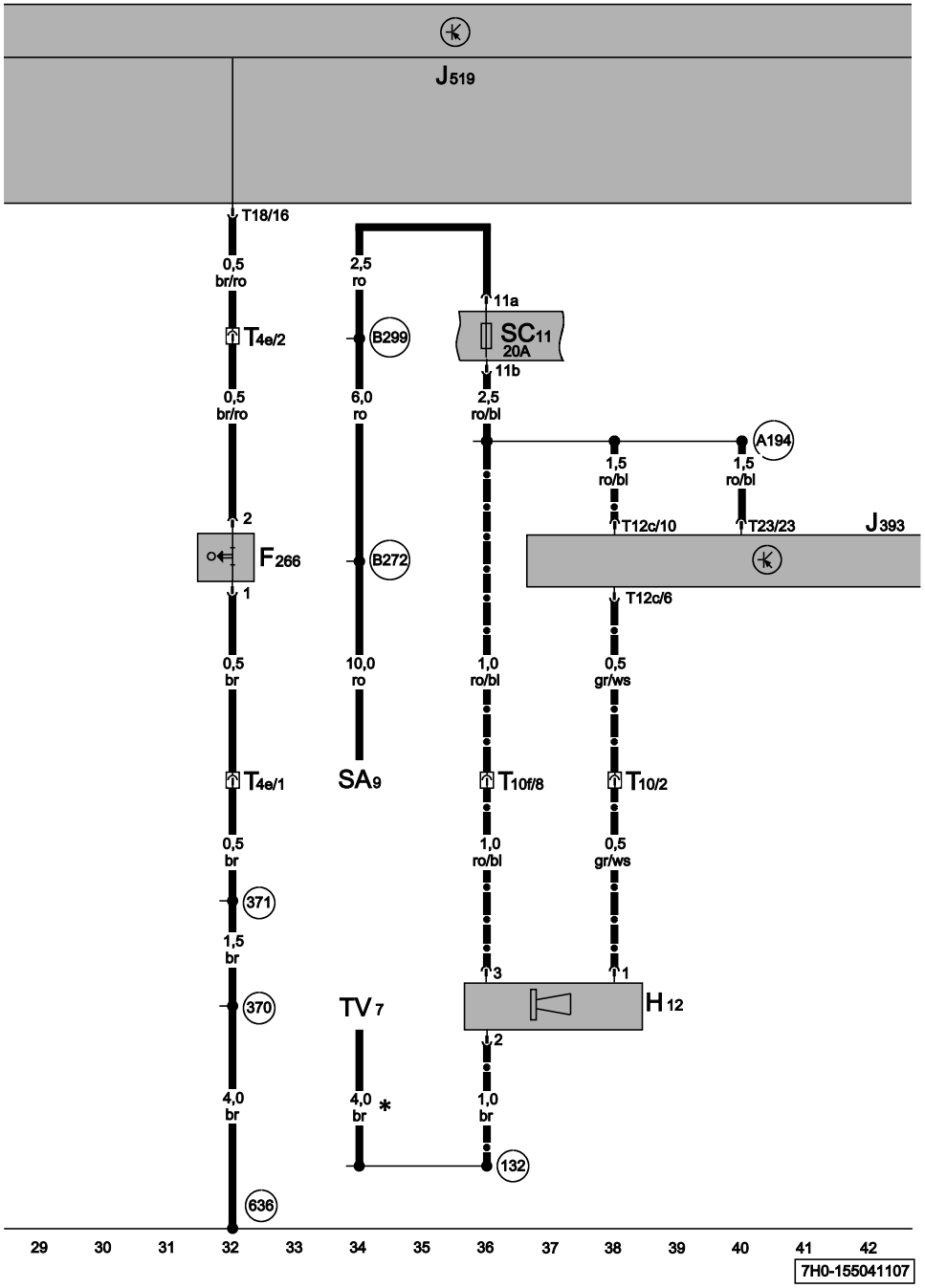
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Front passenger mirror adjustment motor, front passenger side heated exterior mirror

J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Convenience system central control unit, alarm horn, bonnet contact switch

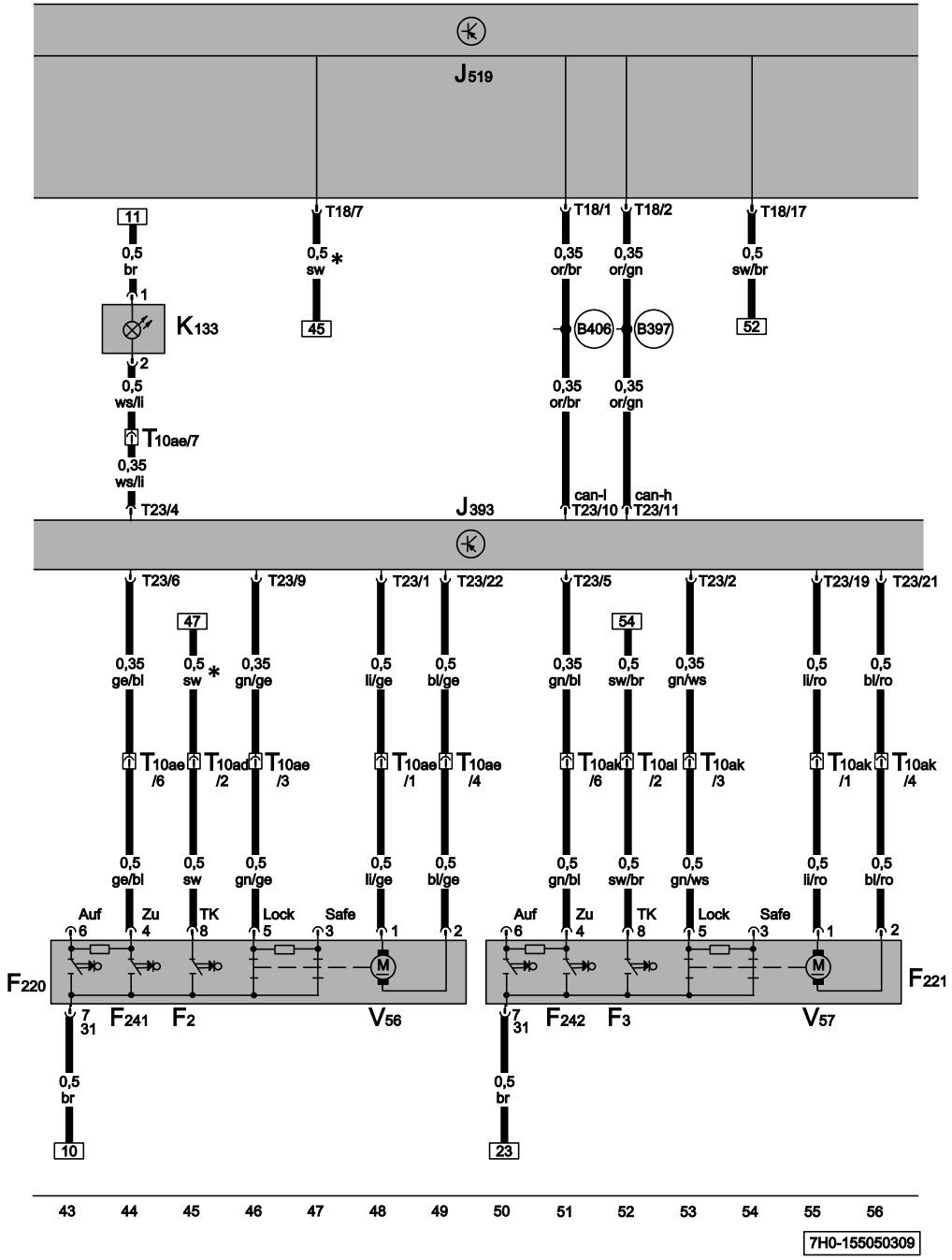
F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible

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for models with anti-theft alarm system only

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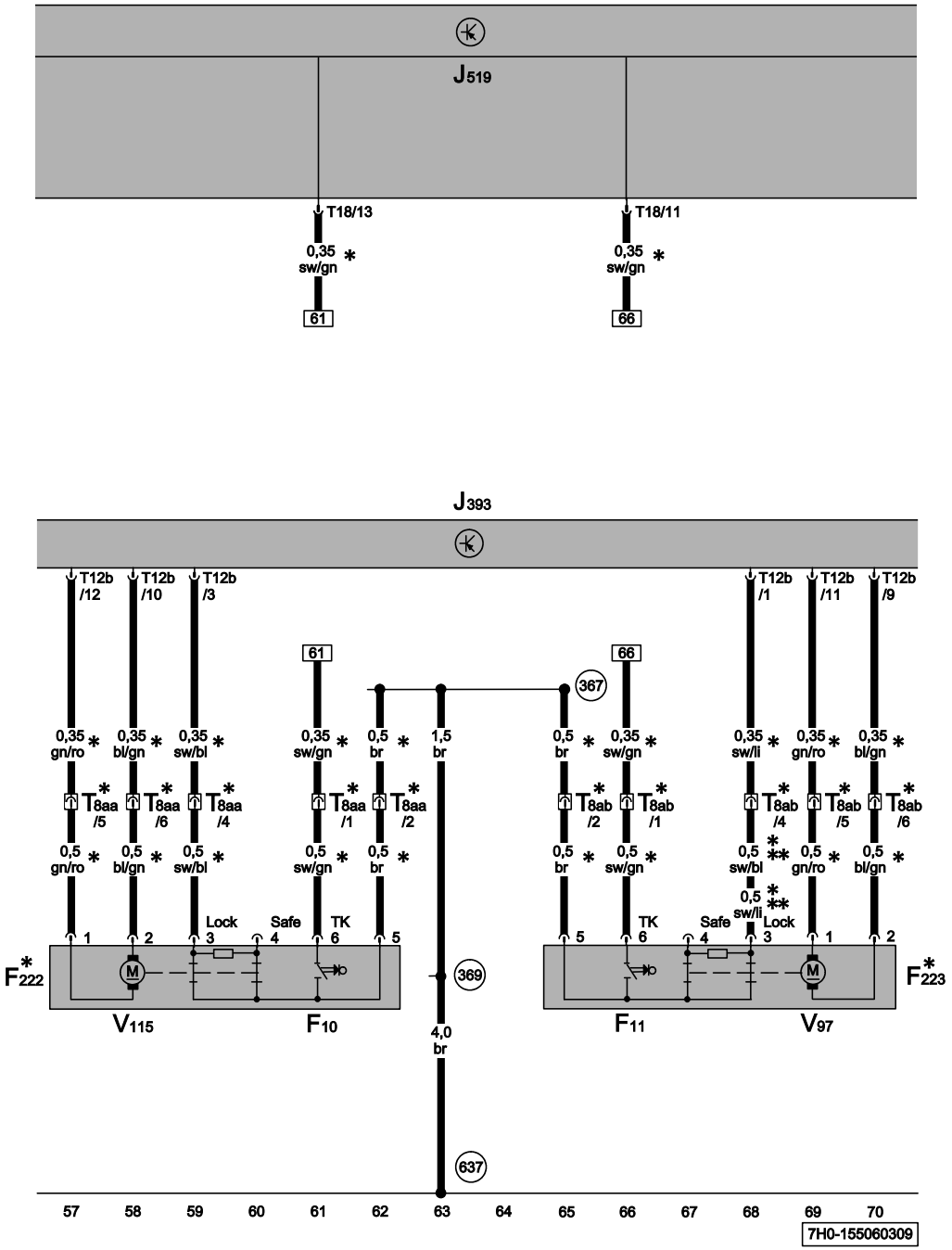
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Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models without taxi equipment only

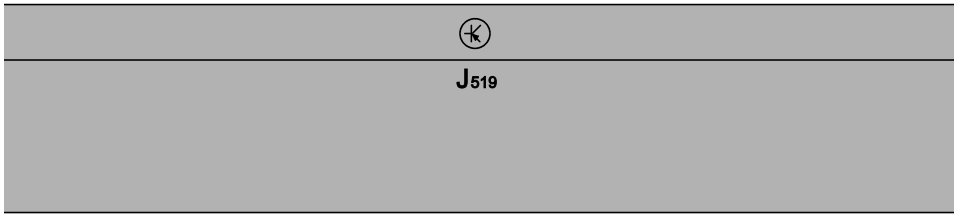
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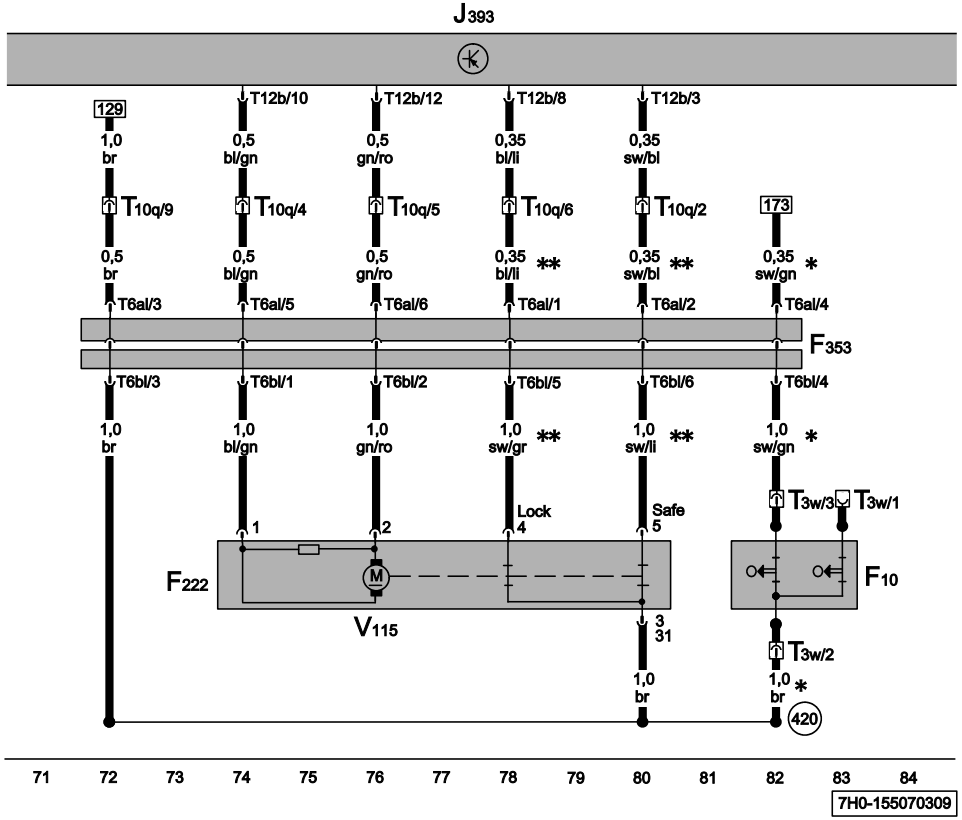


Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

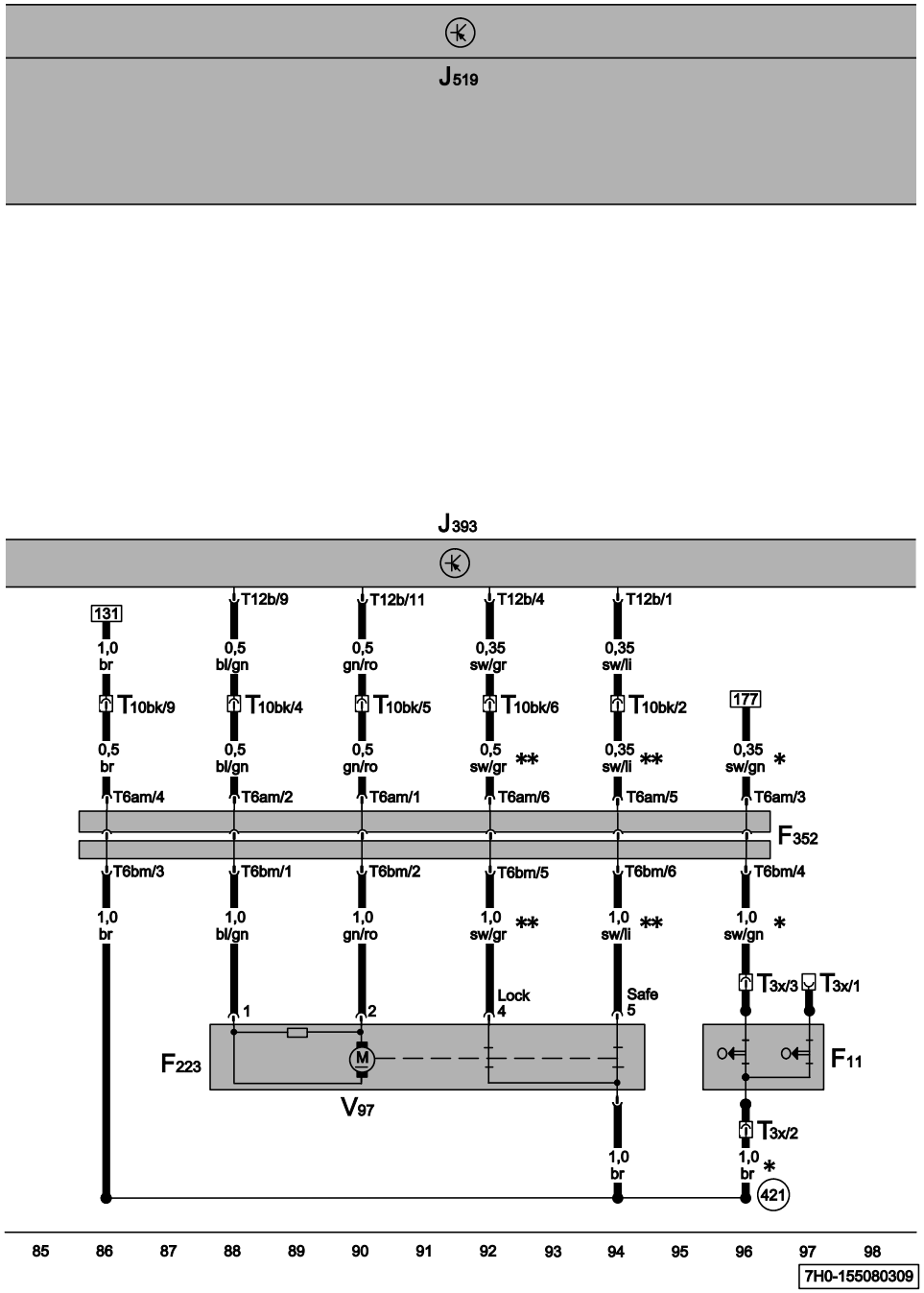




Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

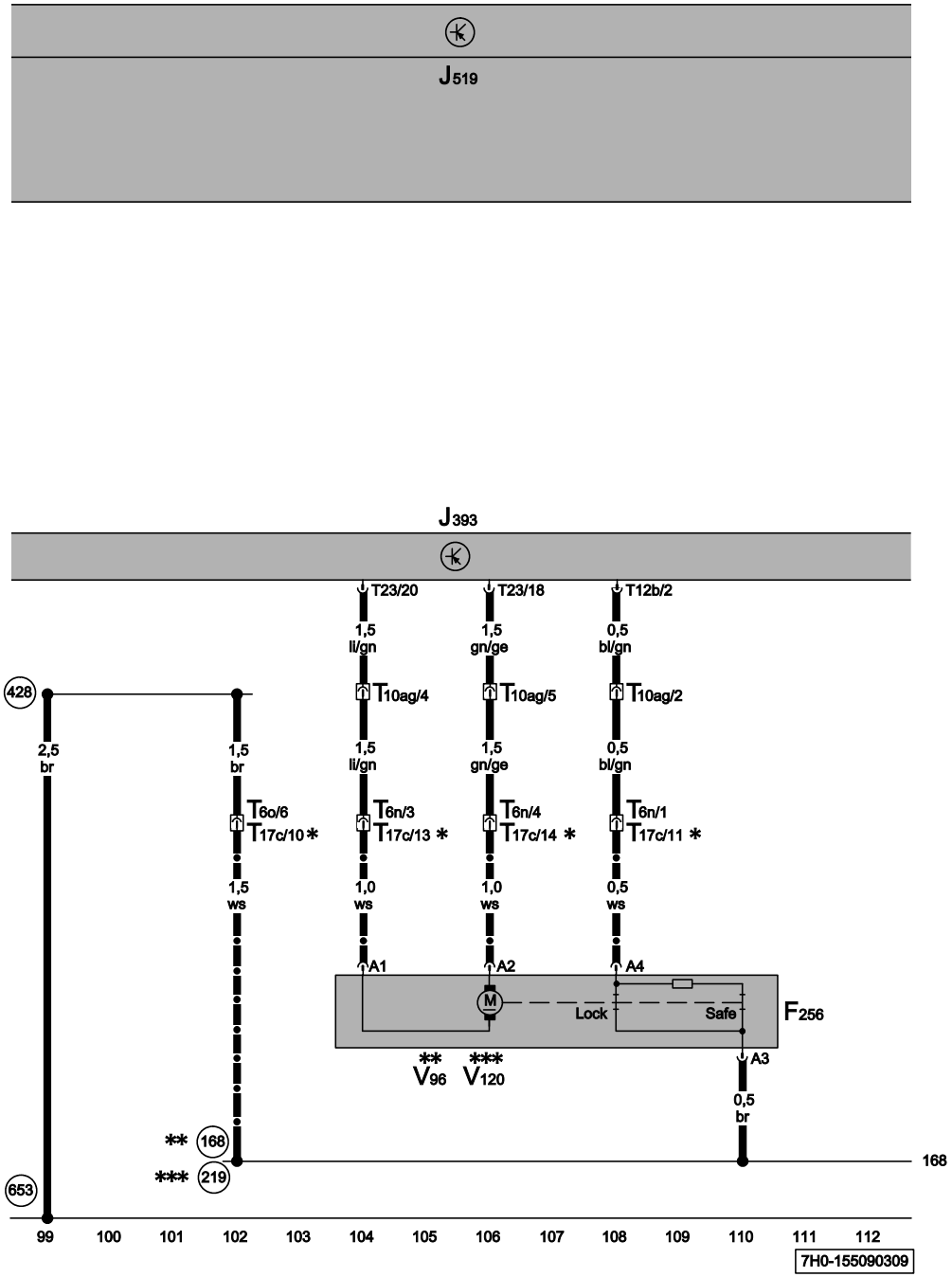
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

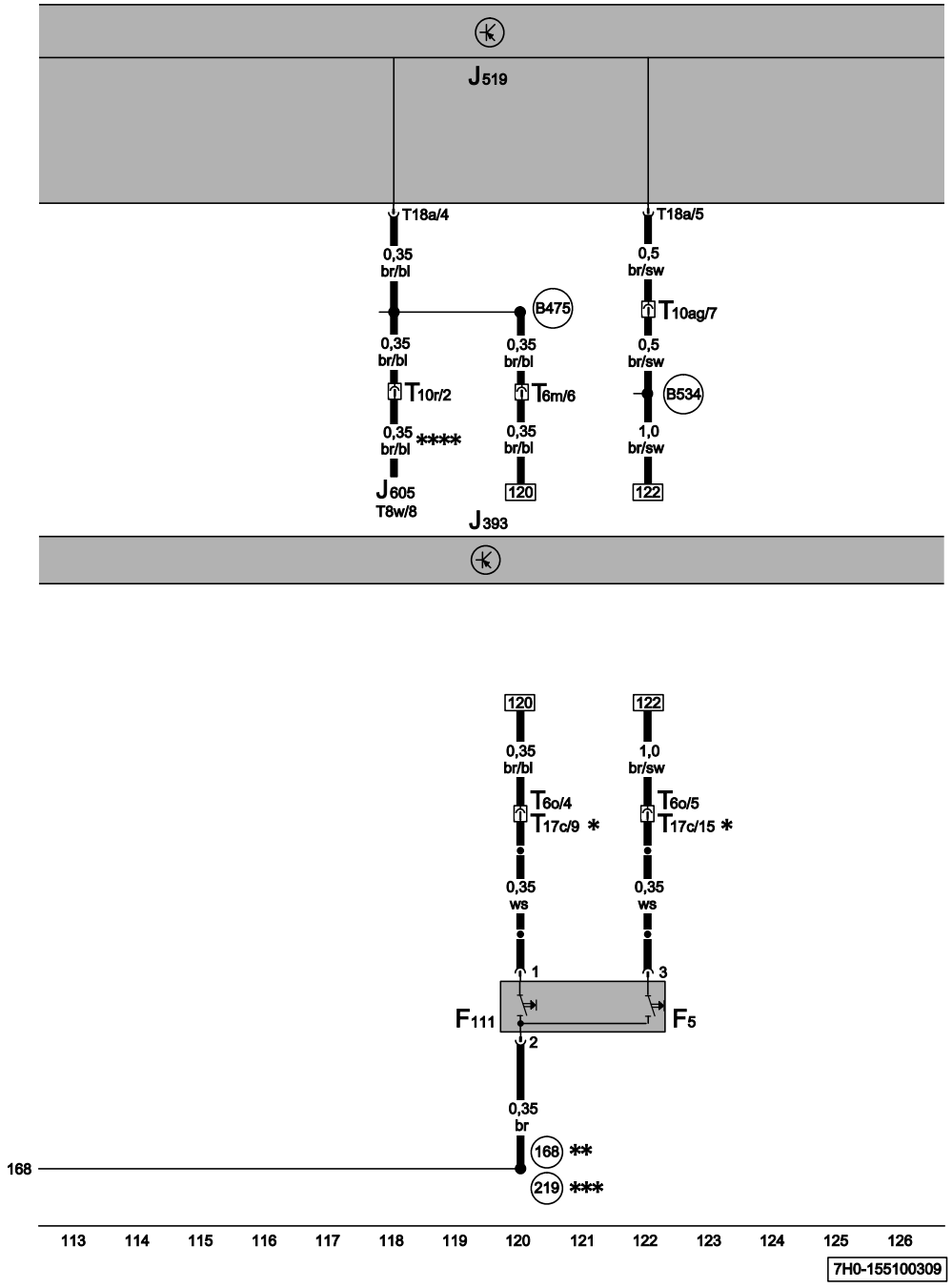


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	applicable from November 2006
**	for models with rear wing doors only
***	for models with rear lid only

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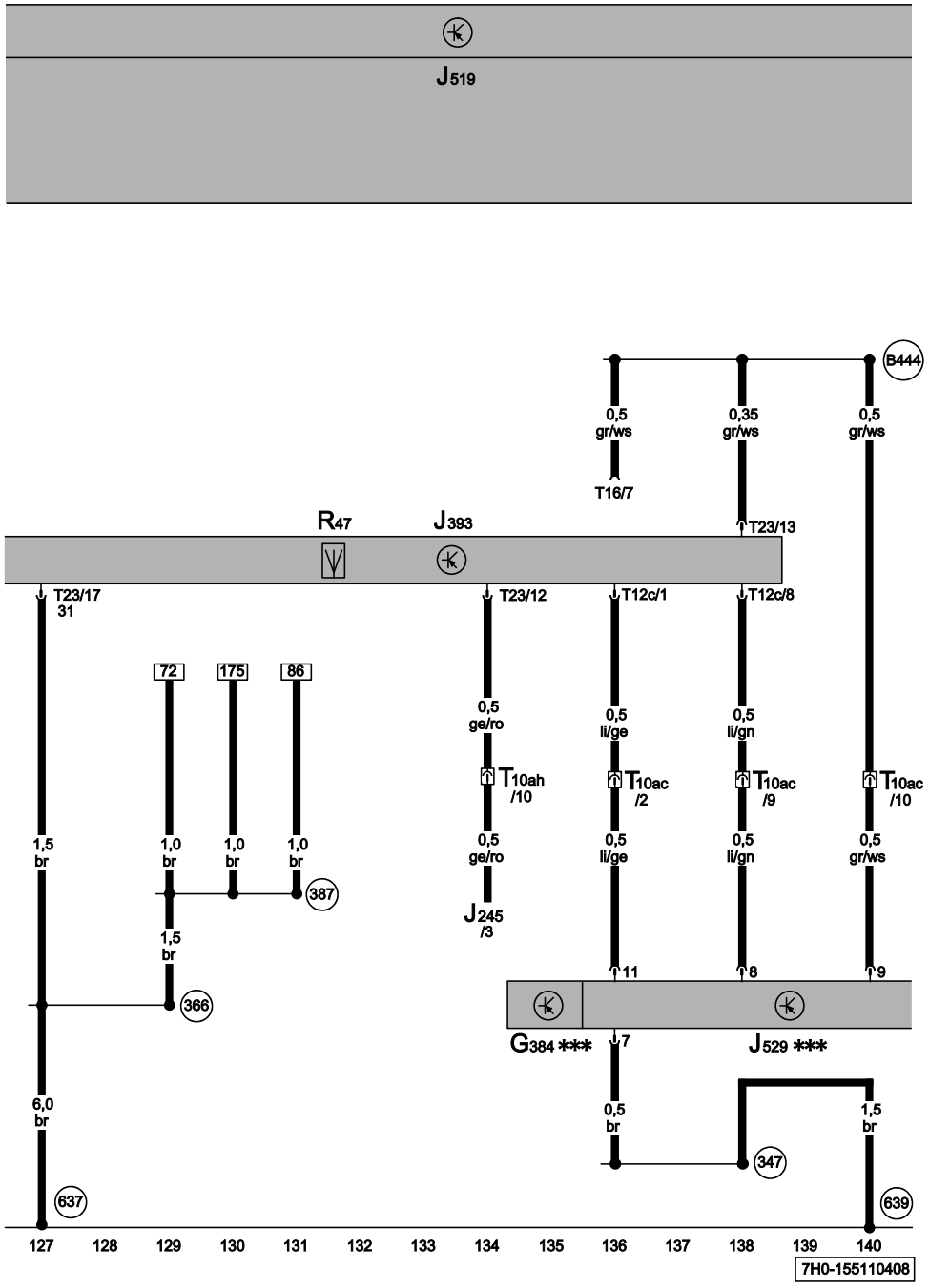


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with rear lid and power latching system only

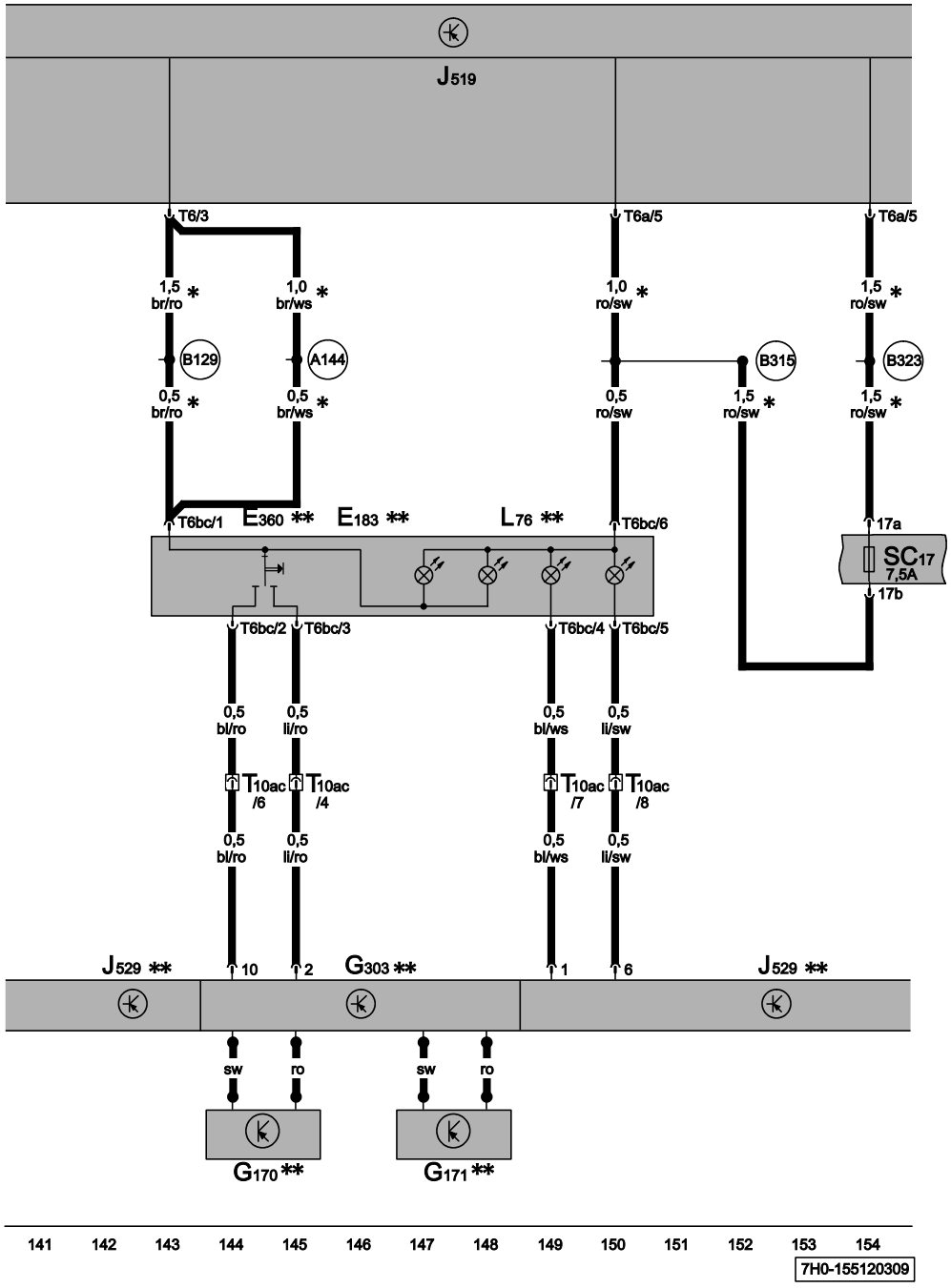
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wire colour is white and wire is printed



ws = white
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bl = blue
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li = purple
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rs = pink

Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

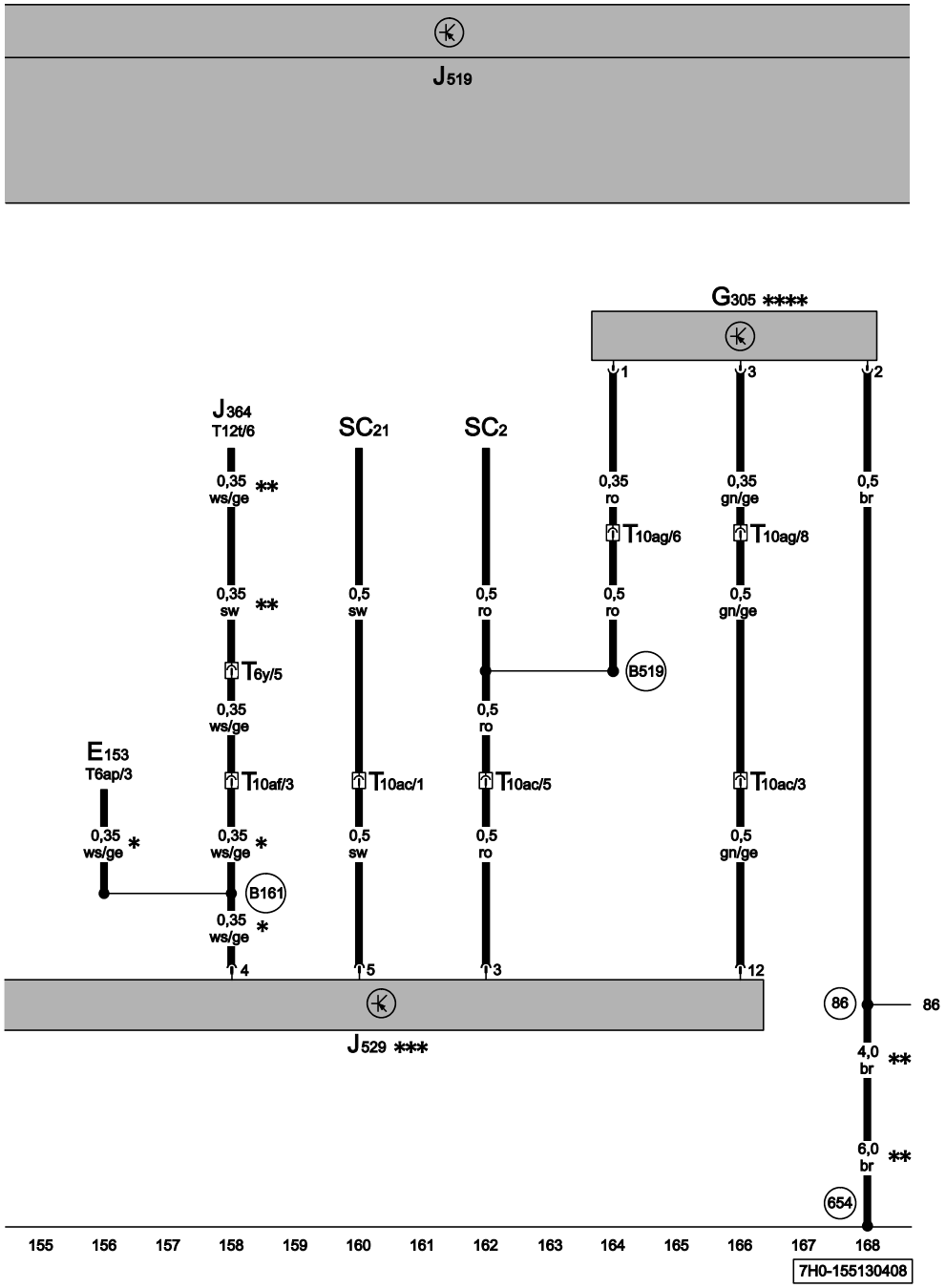
G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
***	for models with anti-theft alarm system only 7AL/7AQ



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

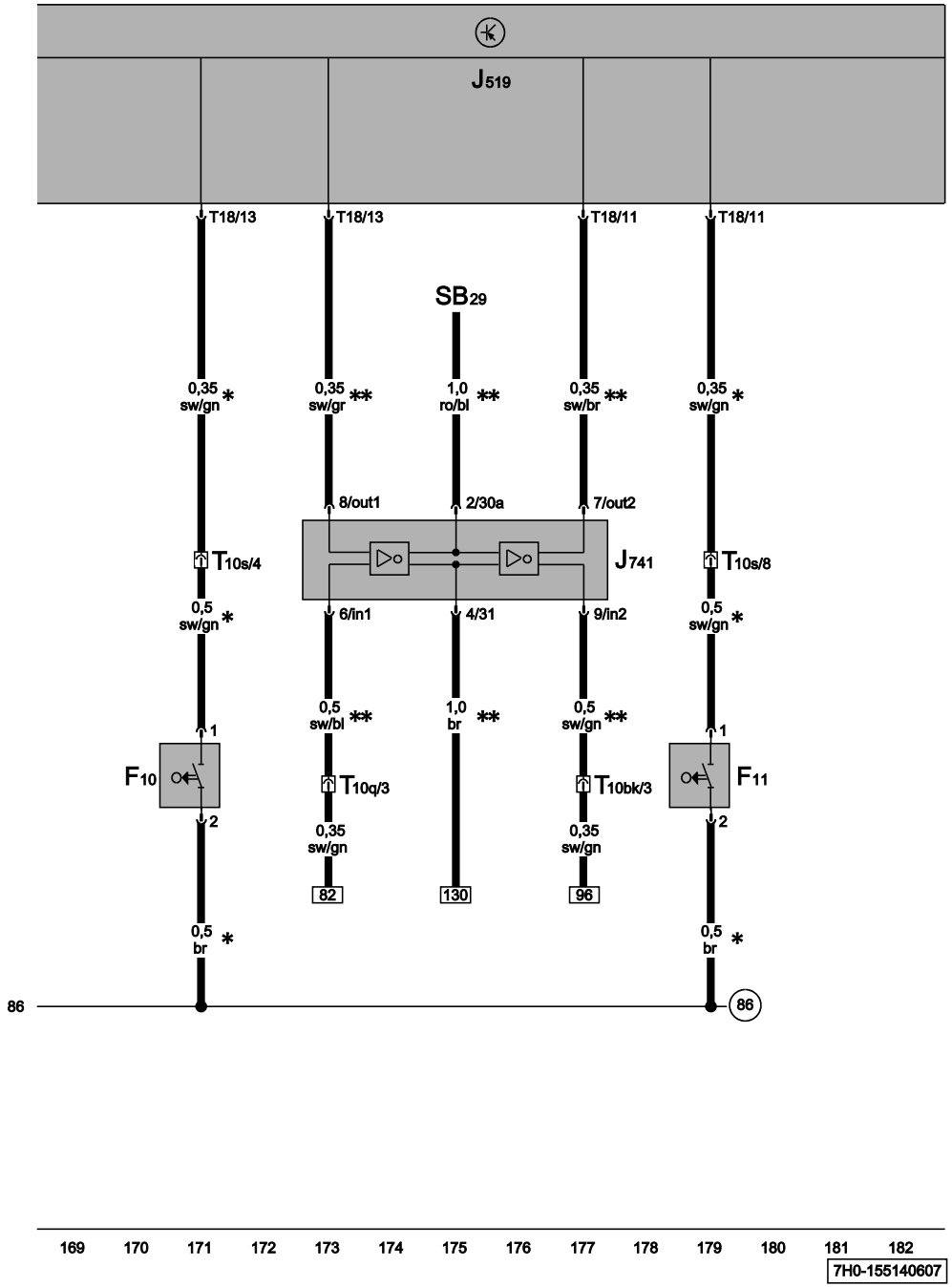
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or	=	orange
rs	=	pink



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sw = black
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gr = grey
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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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rs	=	pink

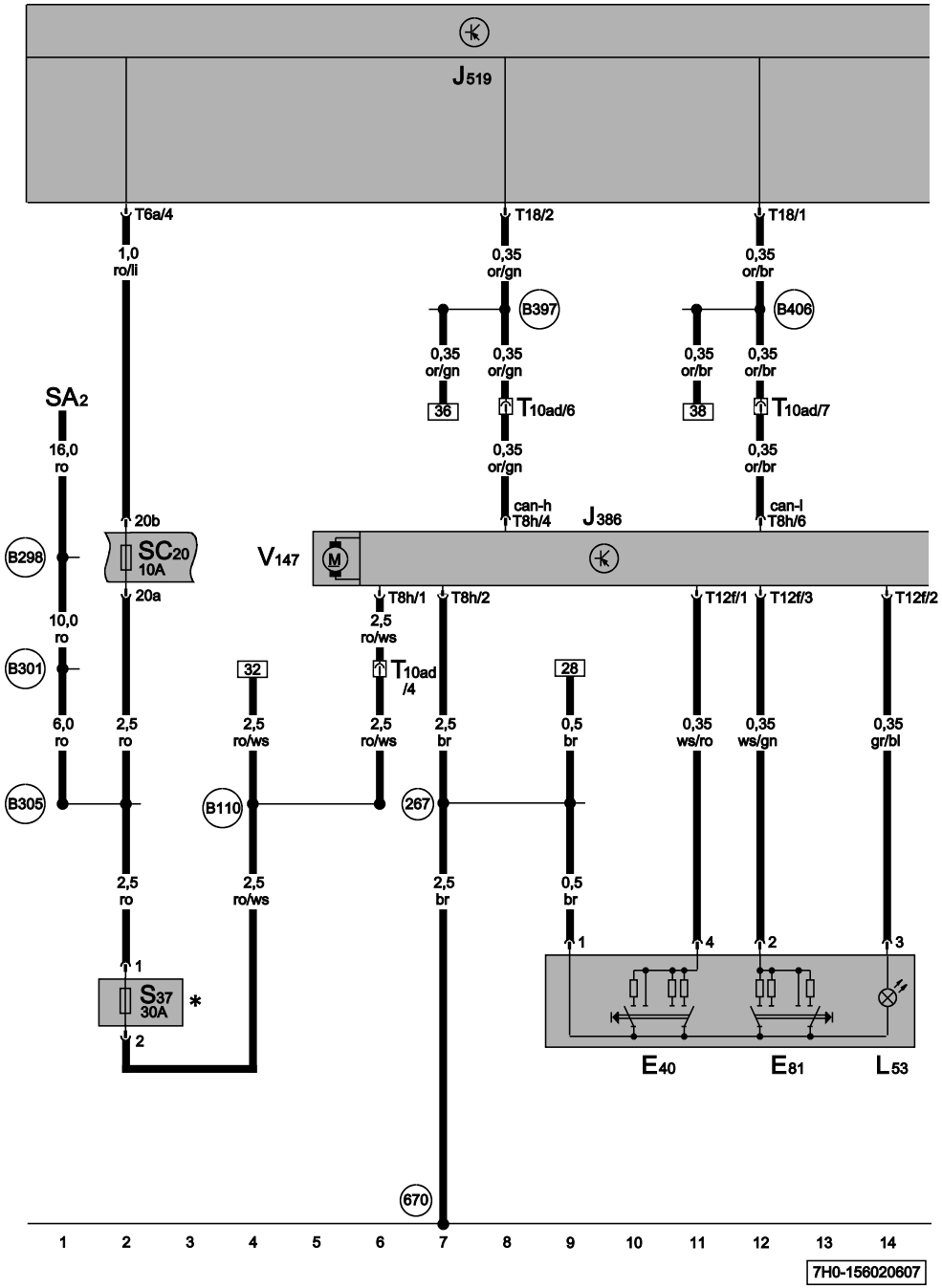
Exterior mirror, electric

⇒ **Window regulator, electric**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

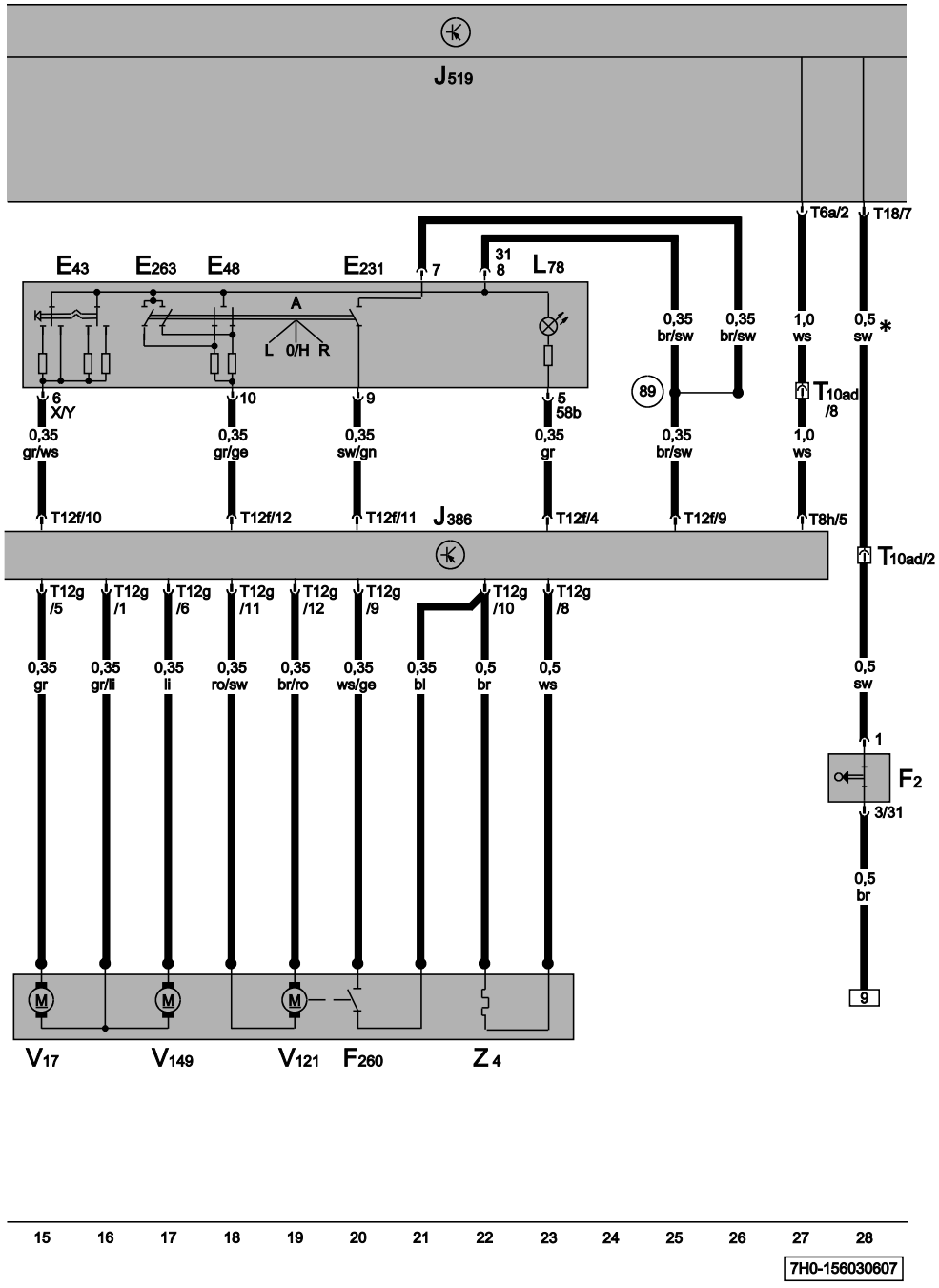
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Front left and right window regulator switch in driver door, window regulator single fuse, driver door control unit, convenience CAN bus

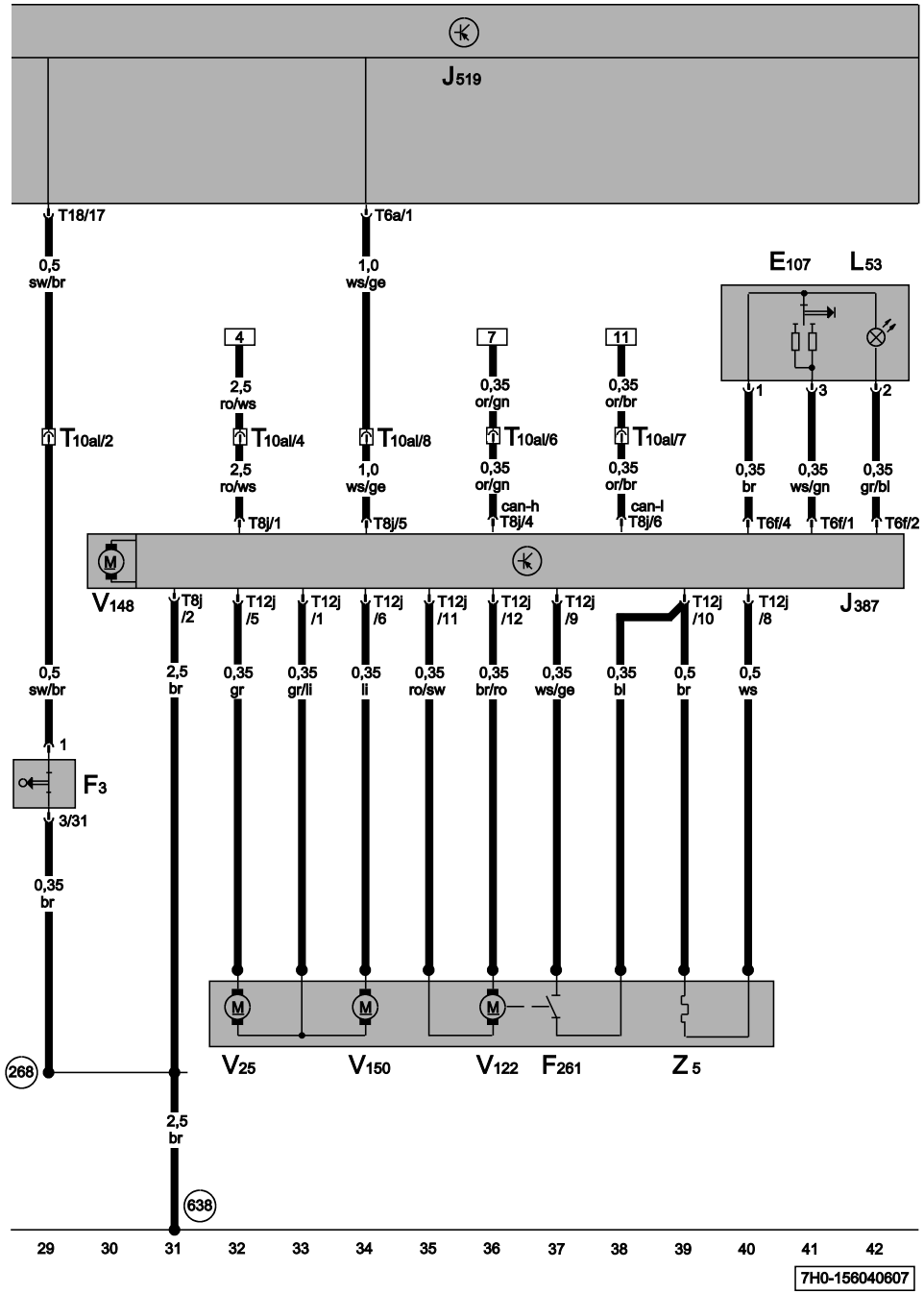
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SA2	Fuse 2 on fuse holder A
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12f	12-pin connector
T18	18-pin connector, black
V147	Driver side window regulator motor
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	on relay carrier (1) cockpit, ⇒ Fitting locations



Mirror adjustment switch, driver door control unit, driver side fold-in mirror motor, driver side heated exterior mirror, fold-in mirror switch

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F2	Driver door contact switch
F260	Driver side fold-in mirror contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
T6a	6-pin connector, brown
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12f	12-pin connector
T12g	12-pin connector
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
89	Earth connection 1, in window regulator wiring harness
*	for models without taxi equipment only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Window regulator switch in front passenger door, front passenger door control unit, window regulator motor, heated exterior mirror, front passenger side mirror adjustment motor

E107	Window regulator switch in front passenger door
F3	Front passenger door contact switch
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T6f	6-pin connector
T8j	8-pin connector
T10al	10-pin connector, red, coupling station on right of A-pillar
T12j	12-pin connector
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar

ws	=	white
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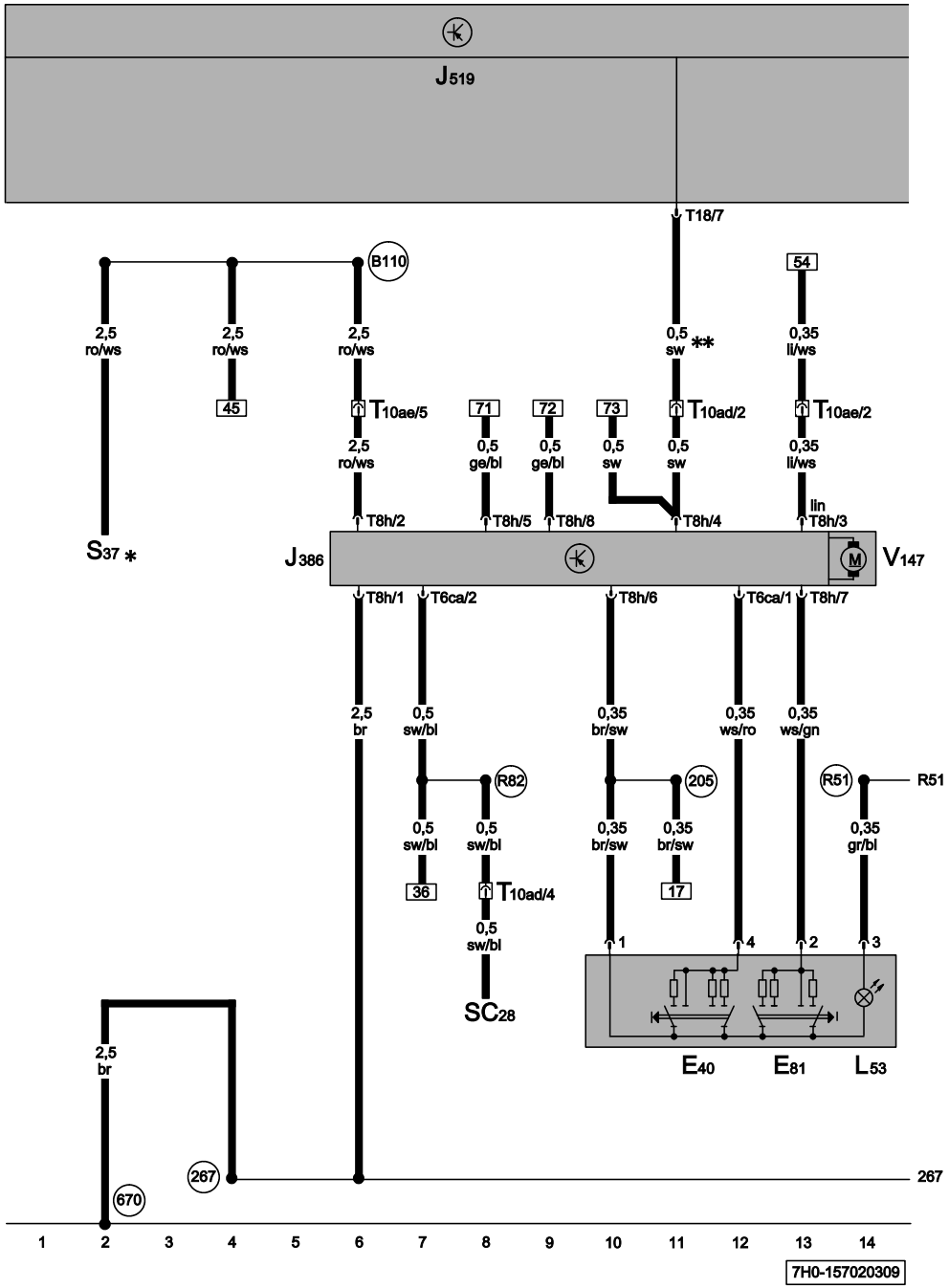
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from August 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

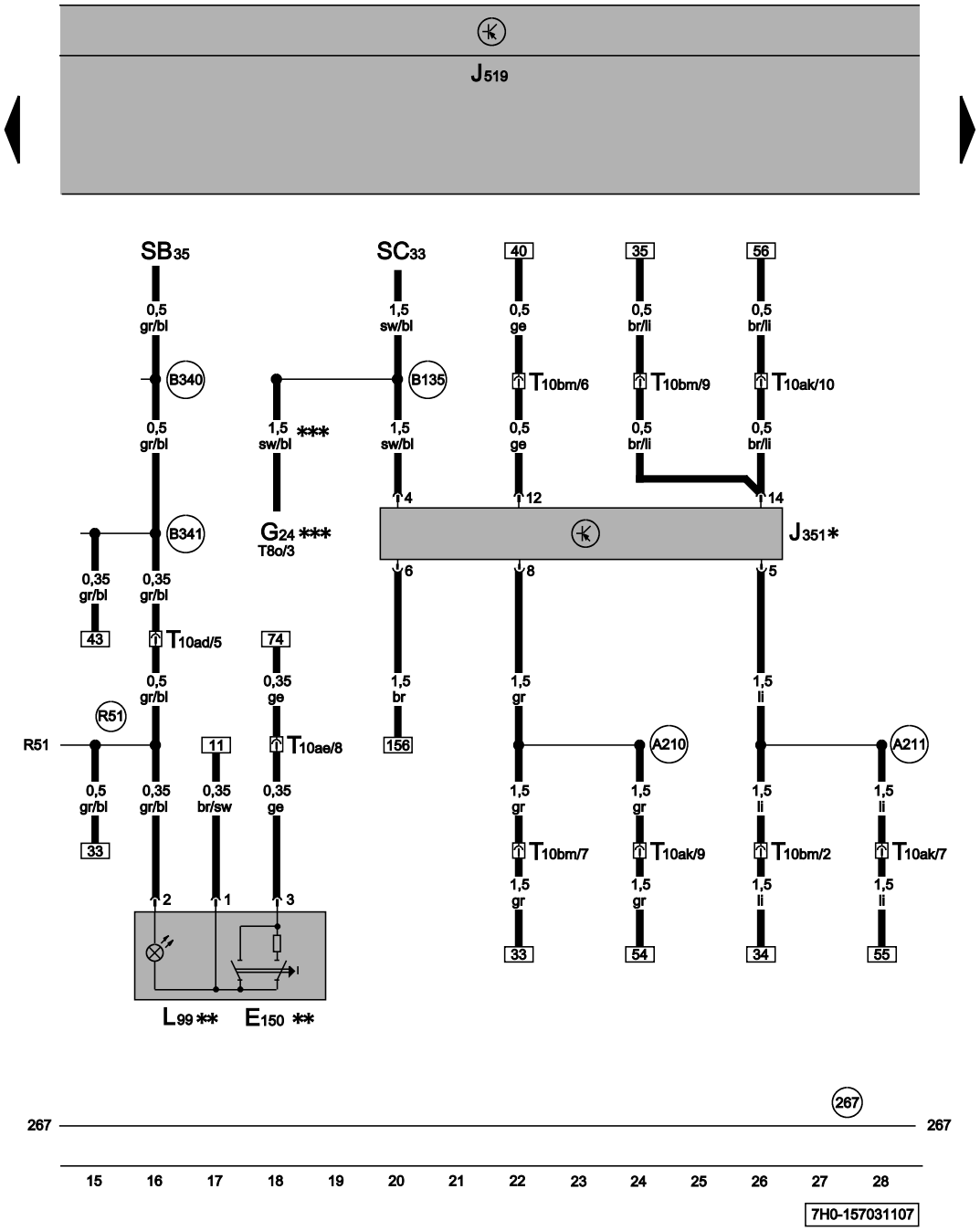
⇒ guided fault finding



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Fuses, front window regulator switch in driver door, driver door control unit, driver side window regulator motor

E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T6ca	6-pin connector
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T18	18-pin connector, black
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations
**	for models without taxi equipment only

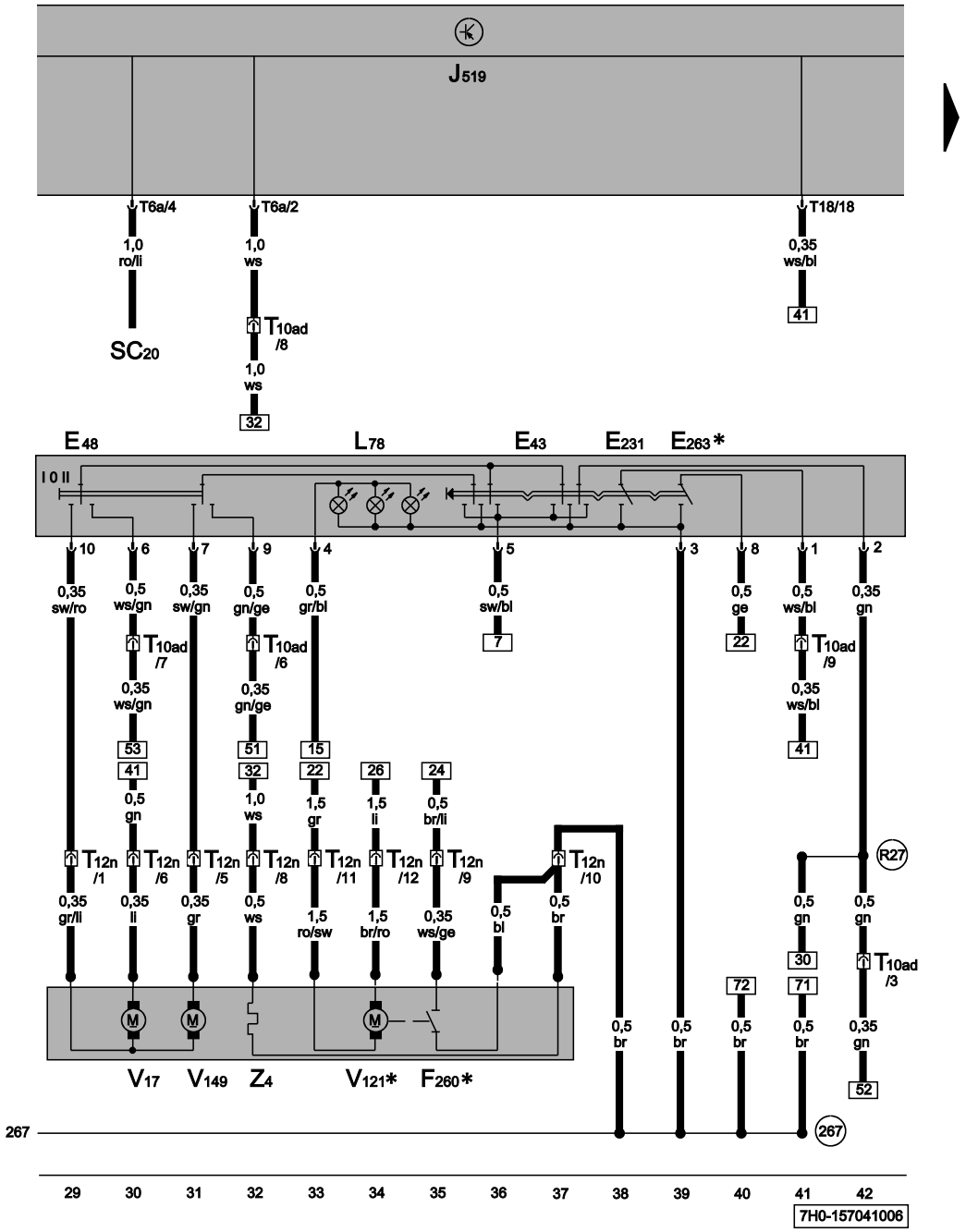


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, driver side interior locking switch, folding exterior mirror control unit

E150	Driver side interior locking switch
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
L99	Interior lock switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness

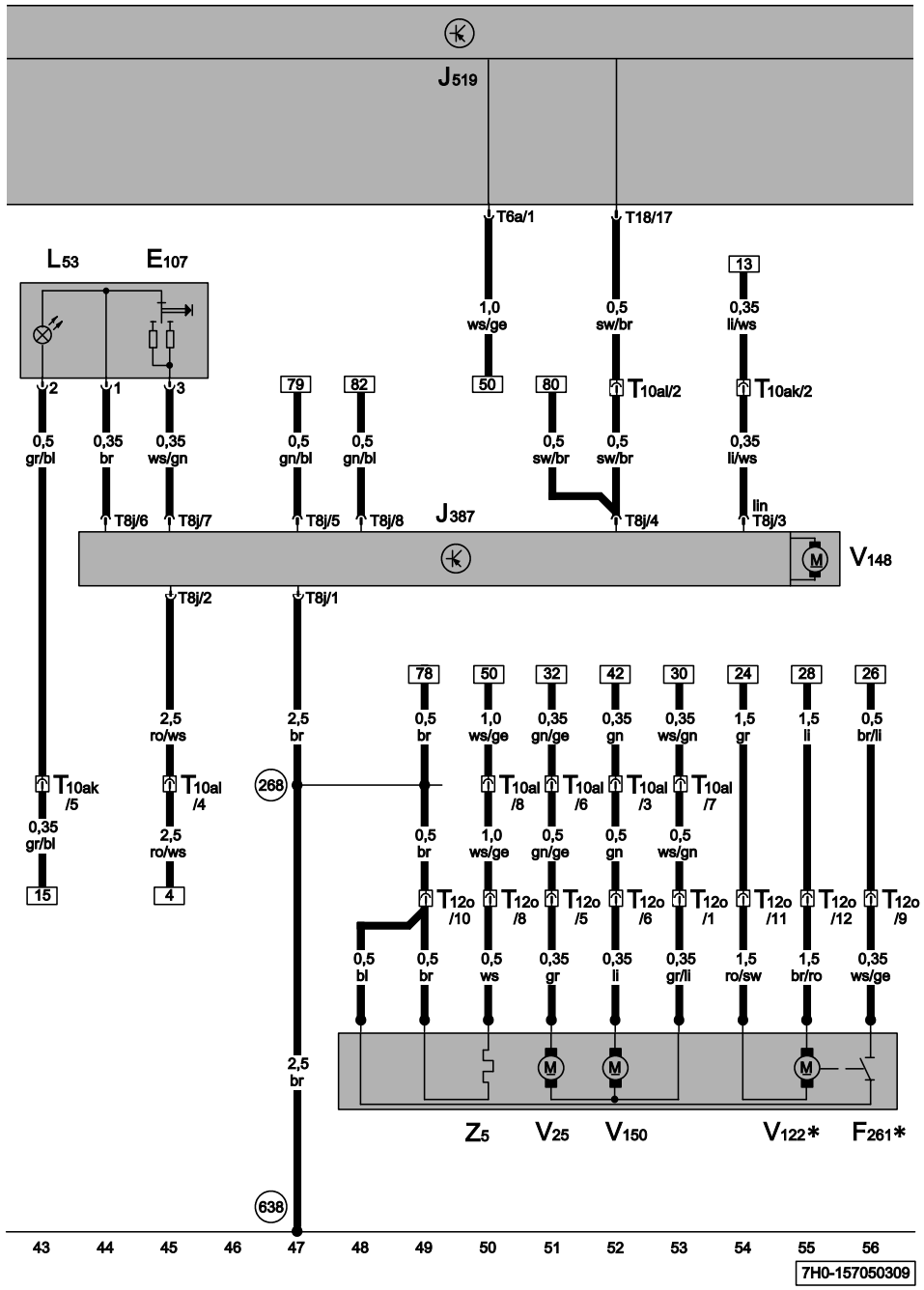
* for models with folding exterior mirror only
** for models with interior locking switch only
*** for models with tachograph only



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bl = blue
gr = grey
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Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

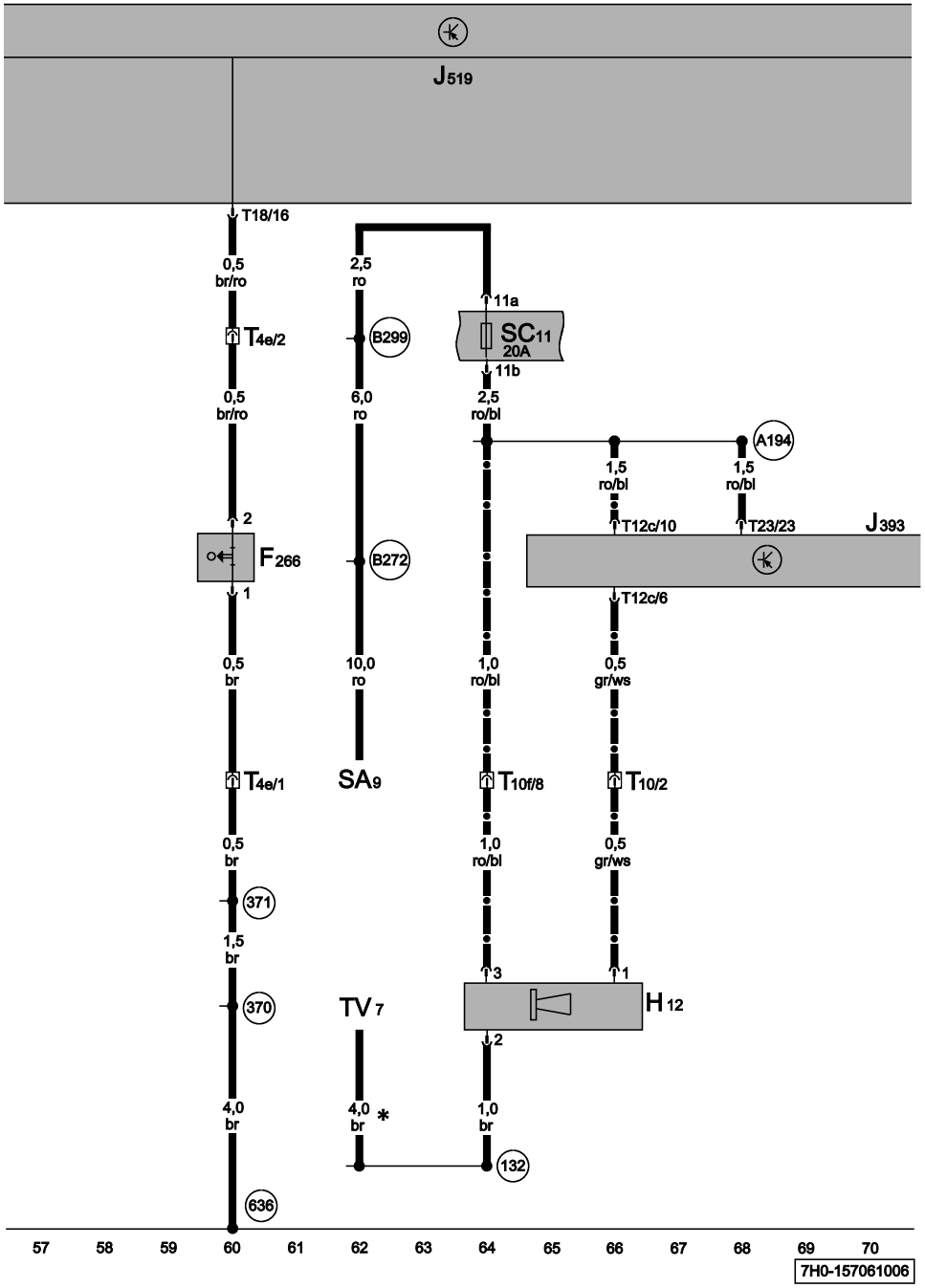
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
R27	Connection (mirror adjustment), in driver door wiring harness
*	for models with folding exterior mirror only



Window regulator switch, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T8j	8-pin connector
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only

ws	=	white
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

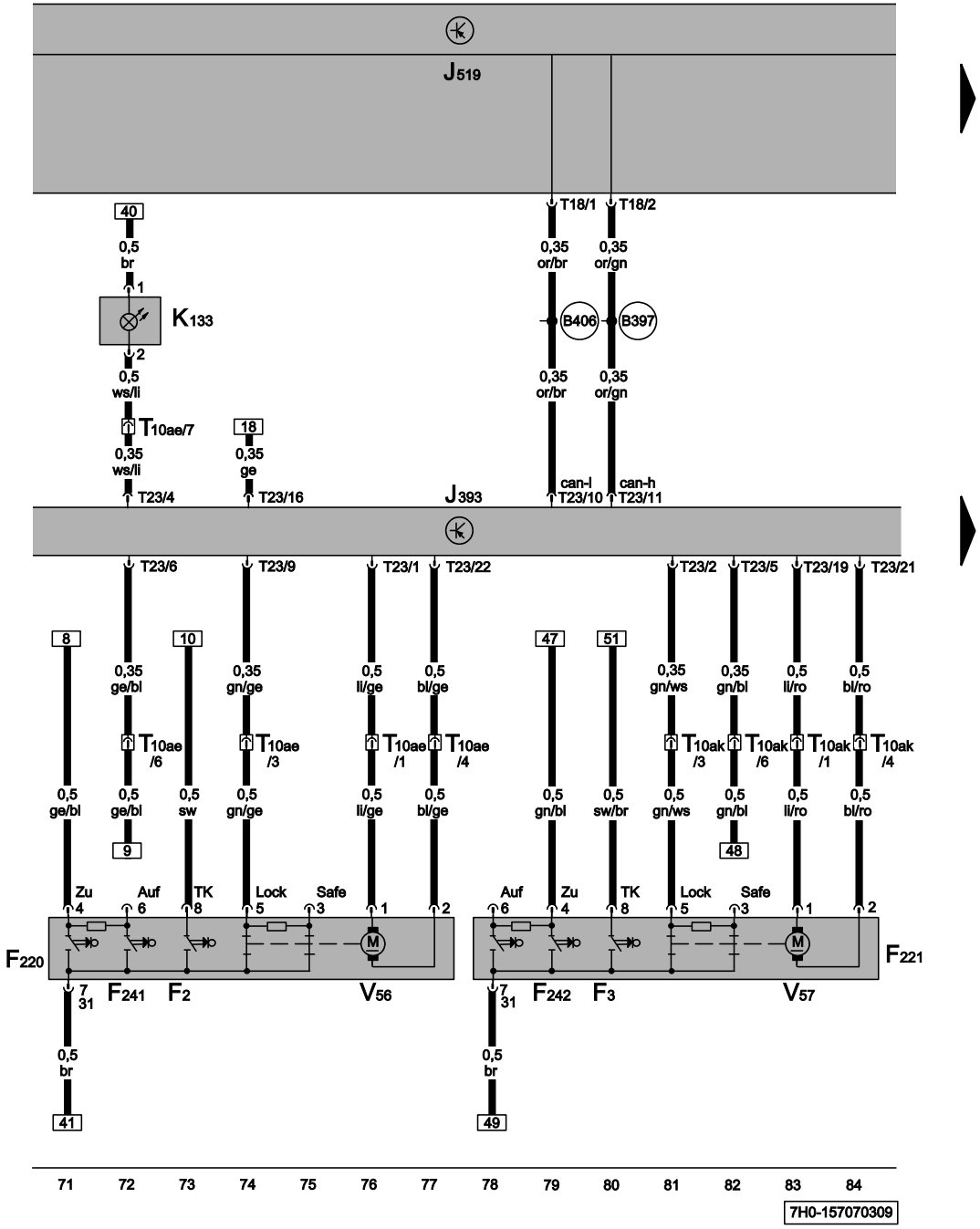


ws = white

Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
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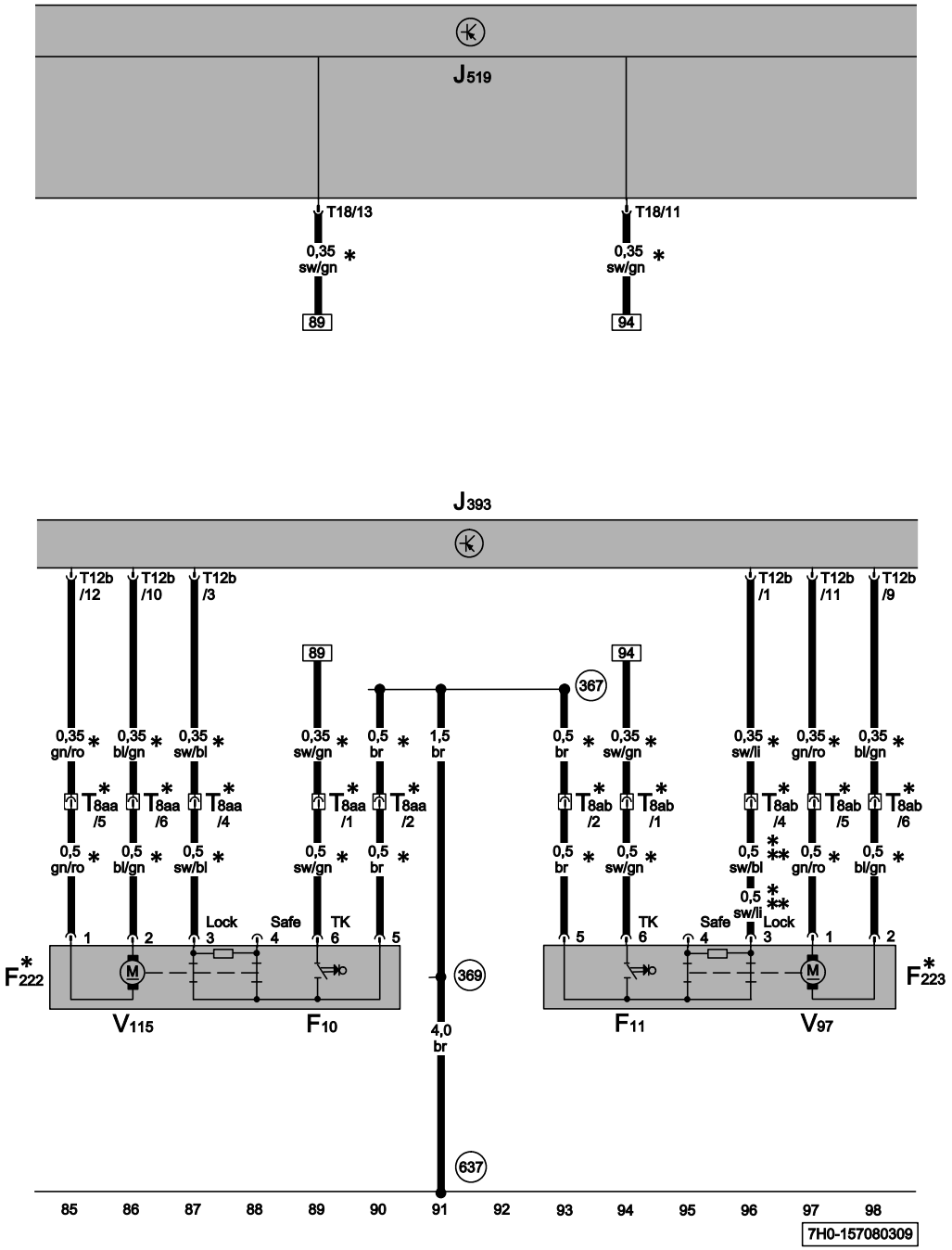
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or	=	orange	
rs	=	pink	



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

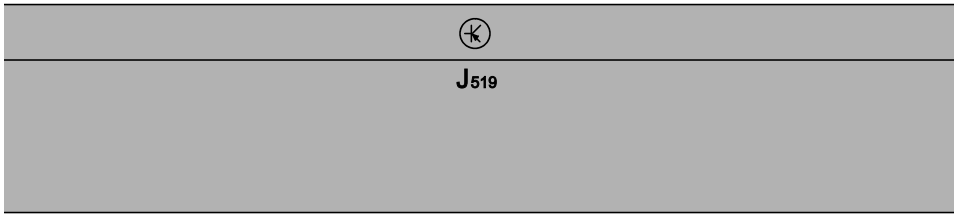
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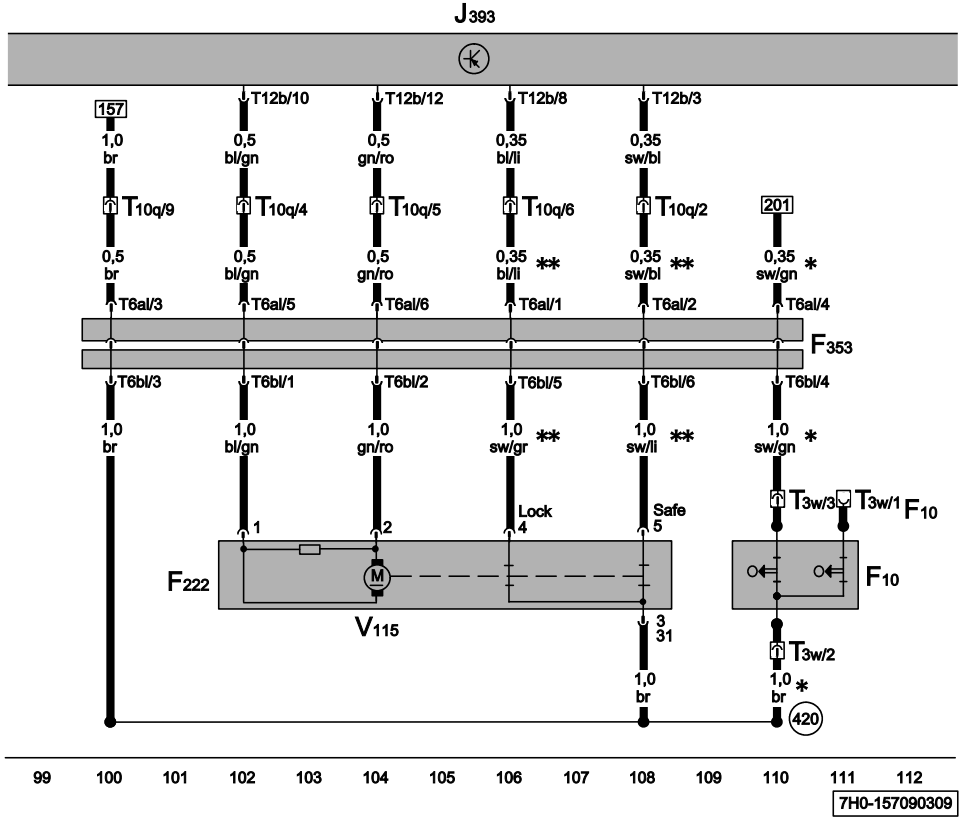


Rear left and right central locking lock unit, rear left and right door contact switch in double cab

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	depends on equipment

ws	=	white
sw	=	black
ro	=	red
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bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink

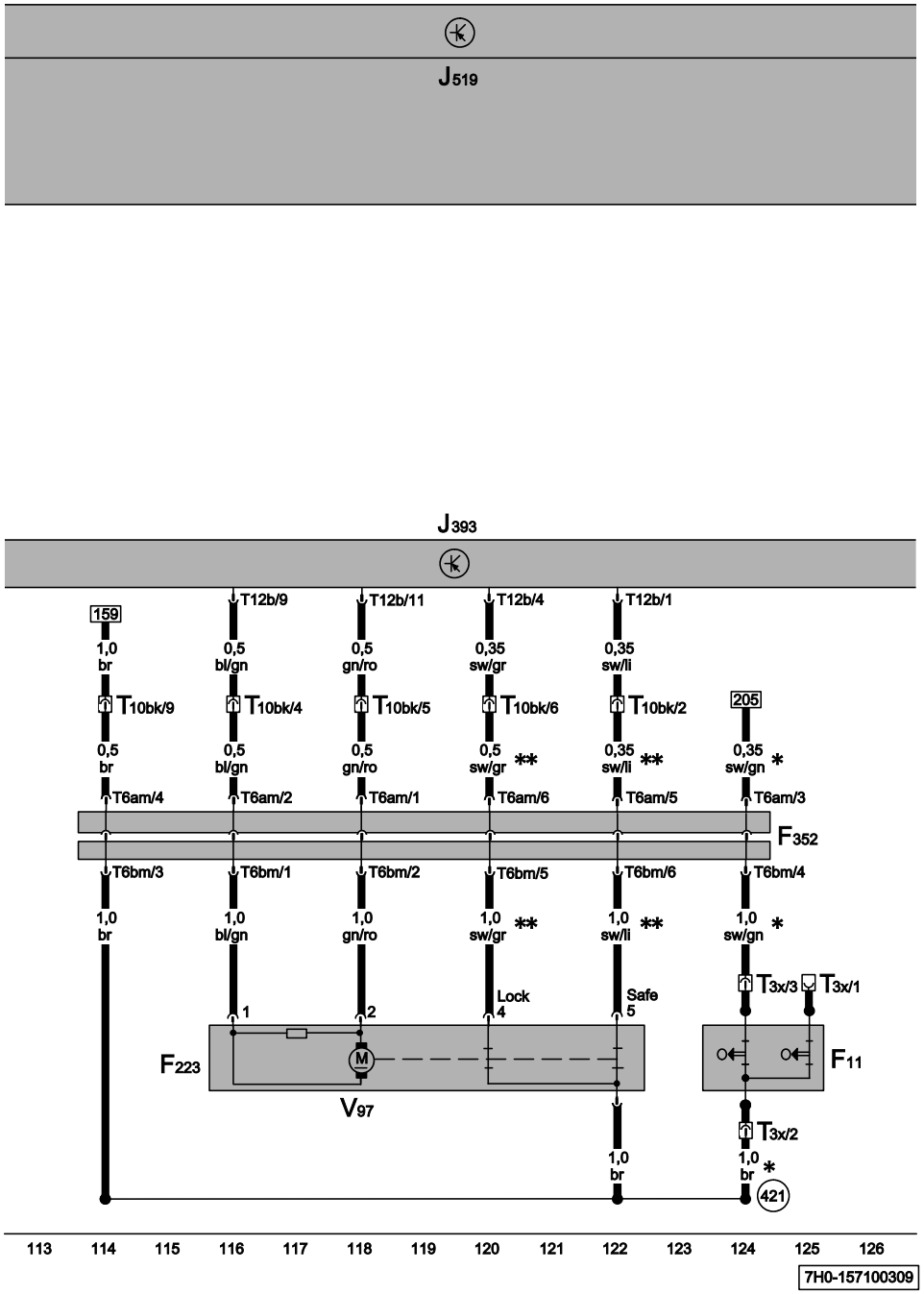




Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

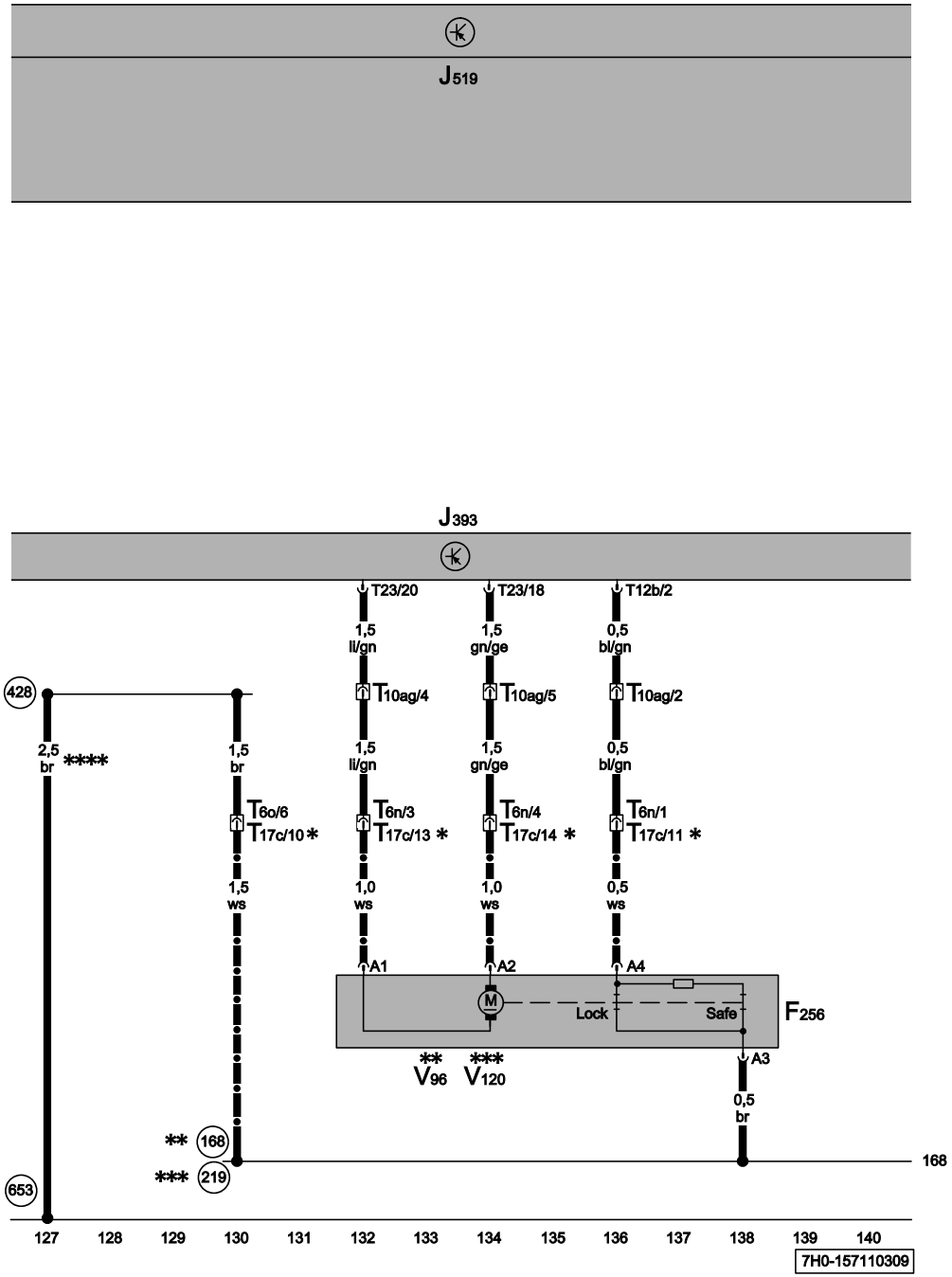
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ge	=	yellow
or	=	orange
rs	=	pink



Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

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ro	=	red
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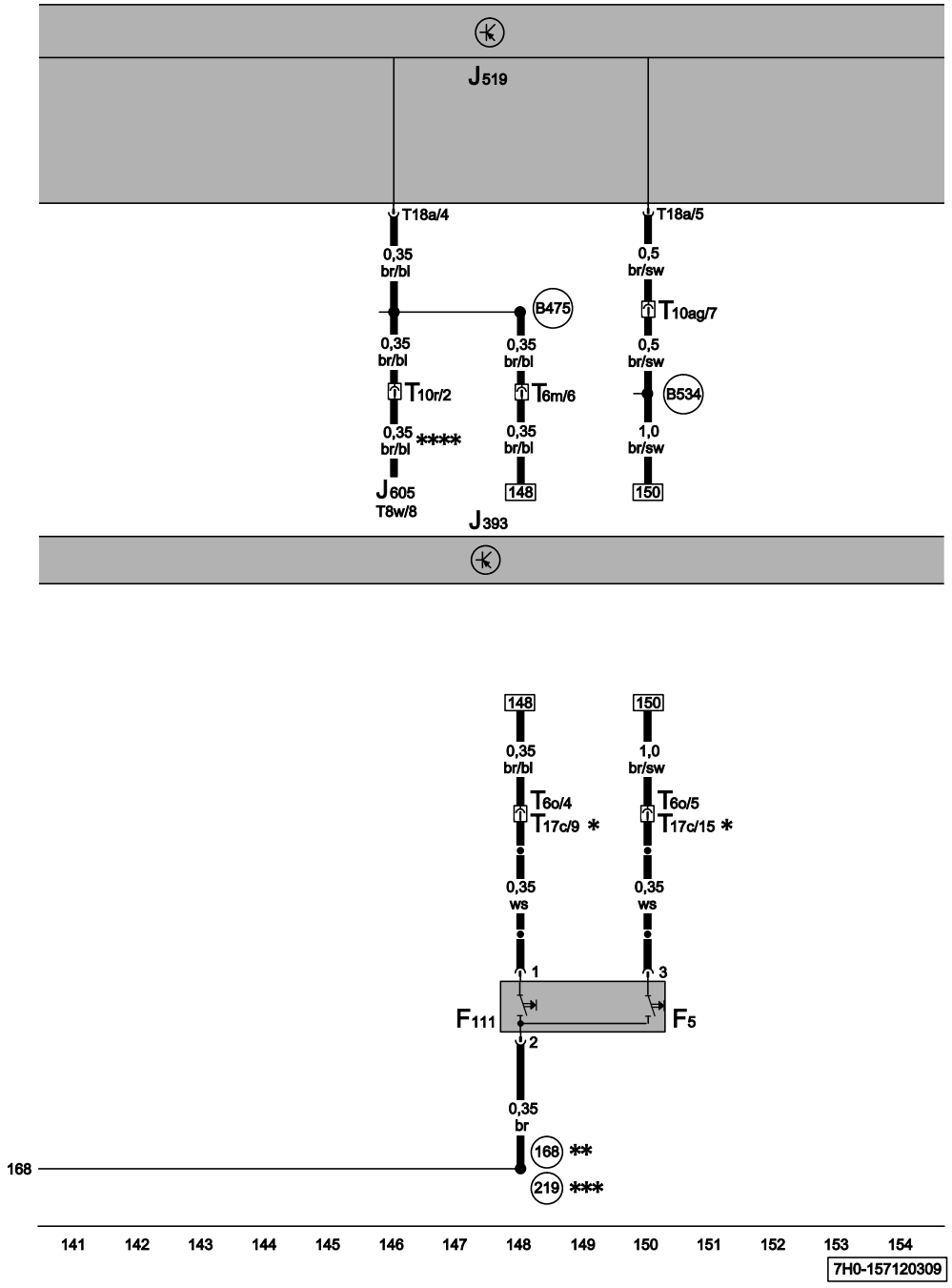


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Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T6n	6-pin connector, black, coupling station on left of D-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	applicable from November 2006
**	for models with rear wing doors only
***	for models with rear lid only
****	cross-section depends on equipment

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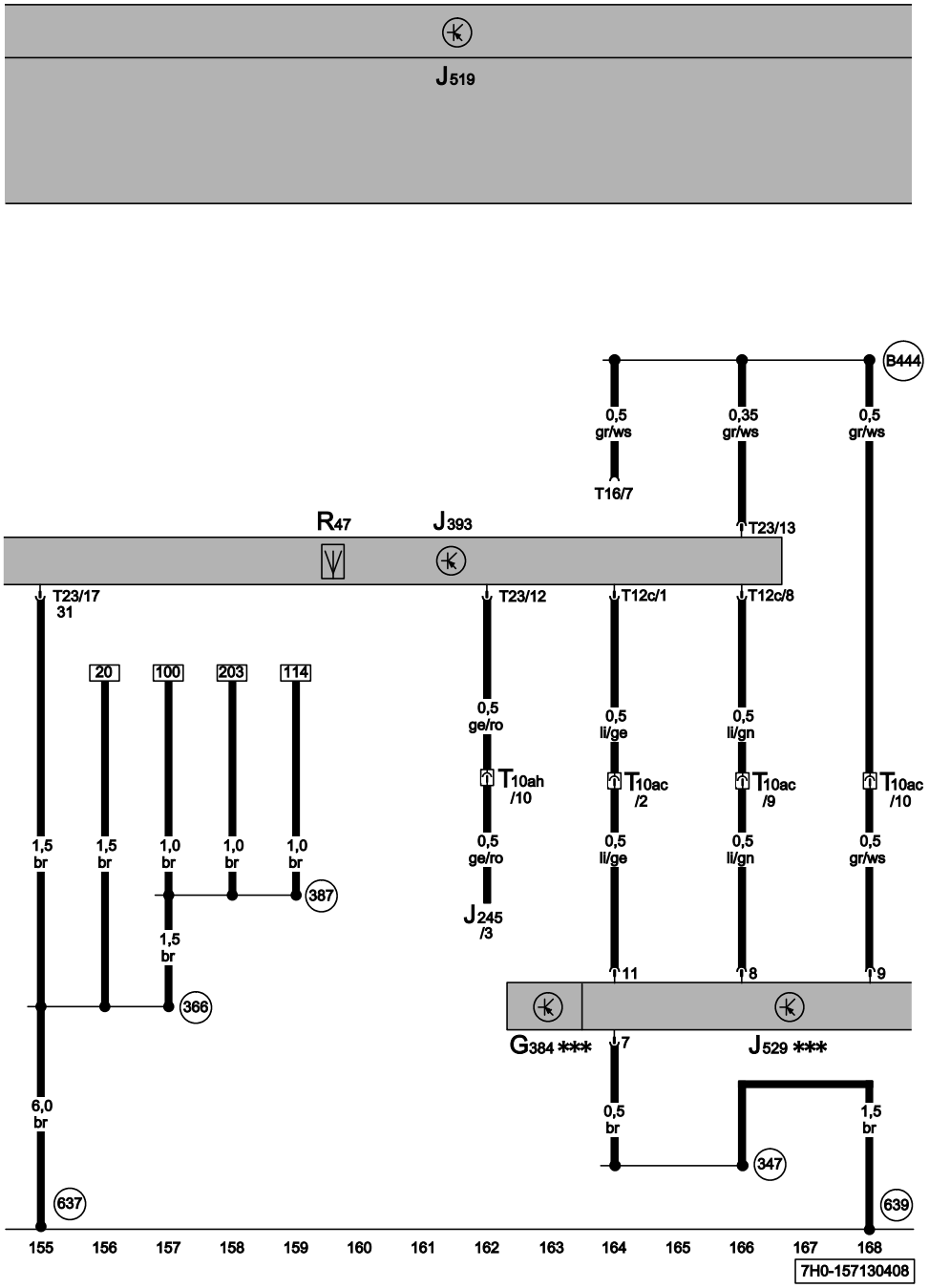


ws = white
sw = black
ro = red
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gr = grey
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with rear lid and power latching system only

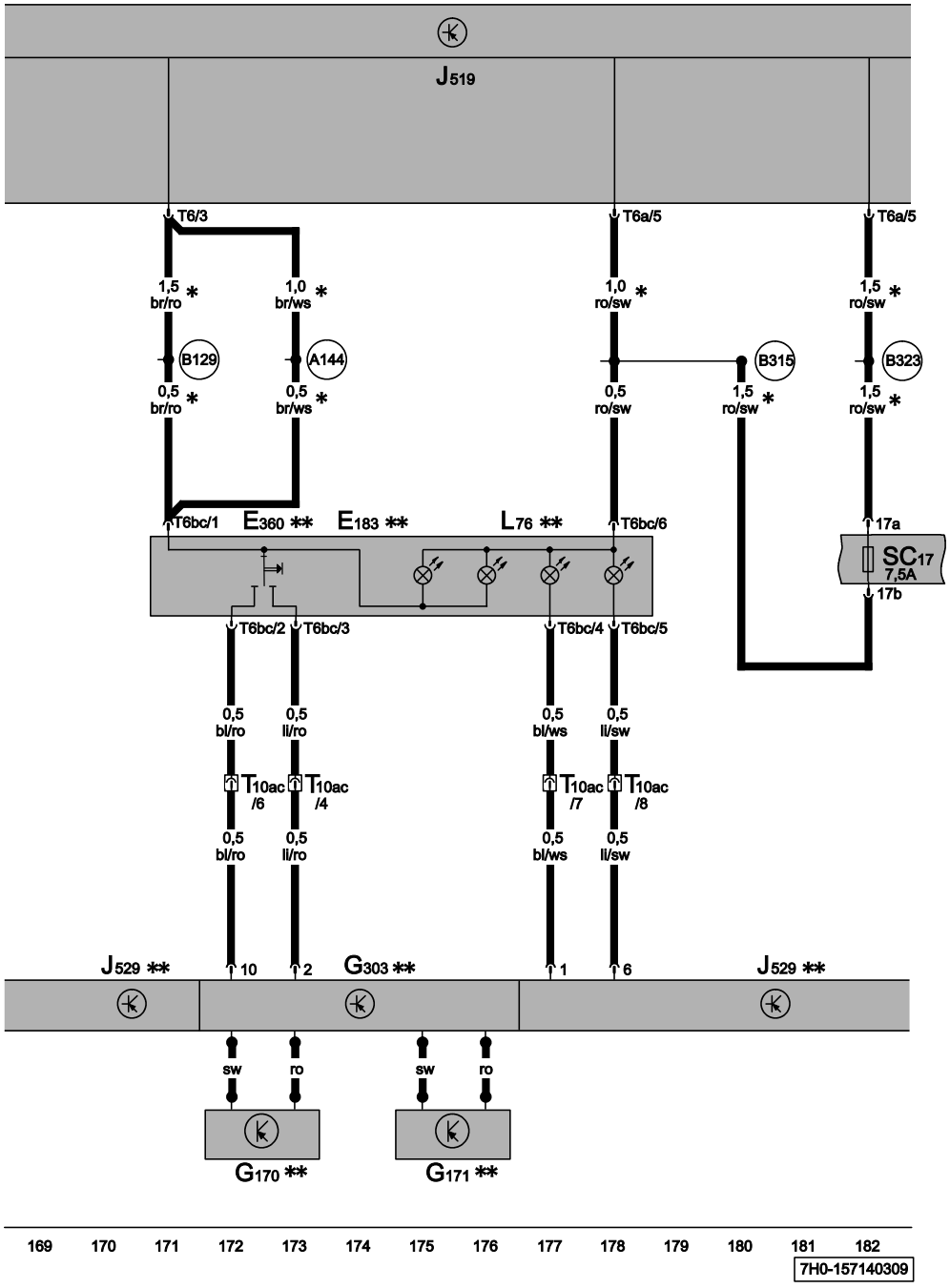
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wire colour is white and wire is printed



Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
***	for models with anti-theft alarm system only 7AL/7AQ

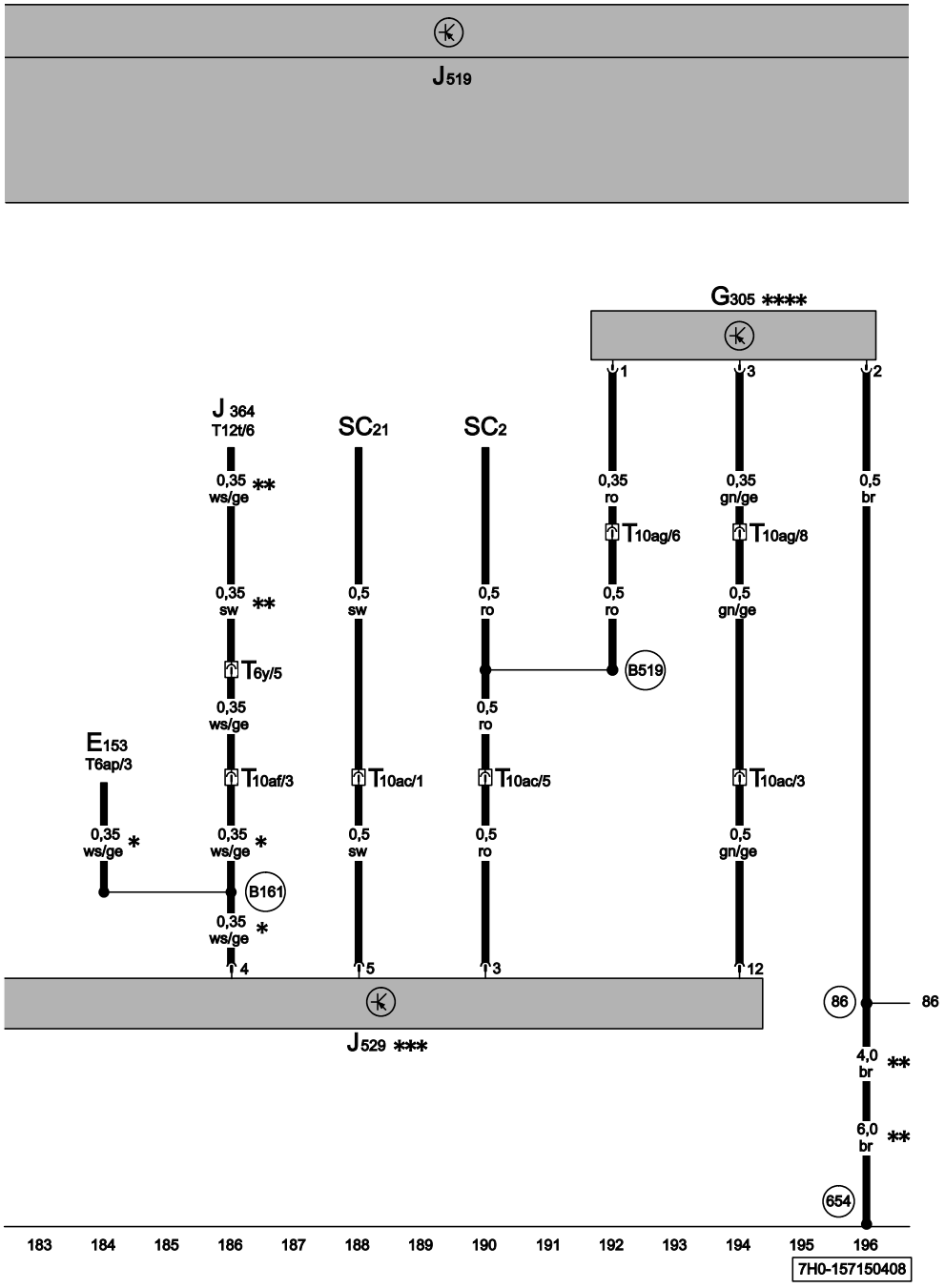
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bl	=	blue
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or	=	orange
rs	=	pink



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

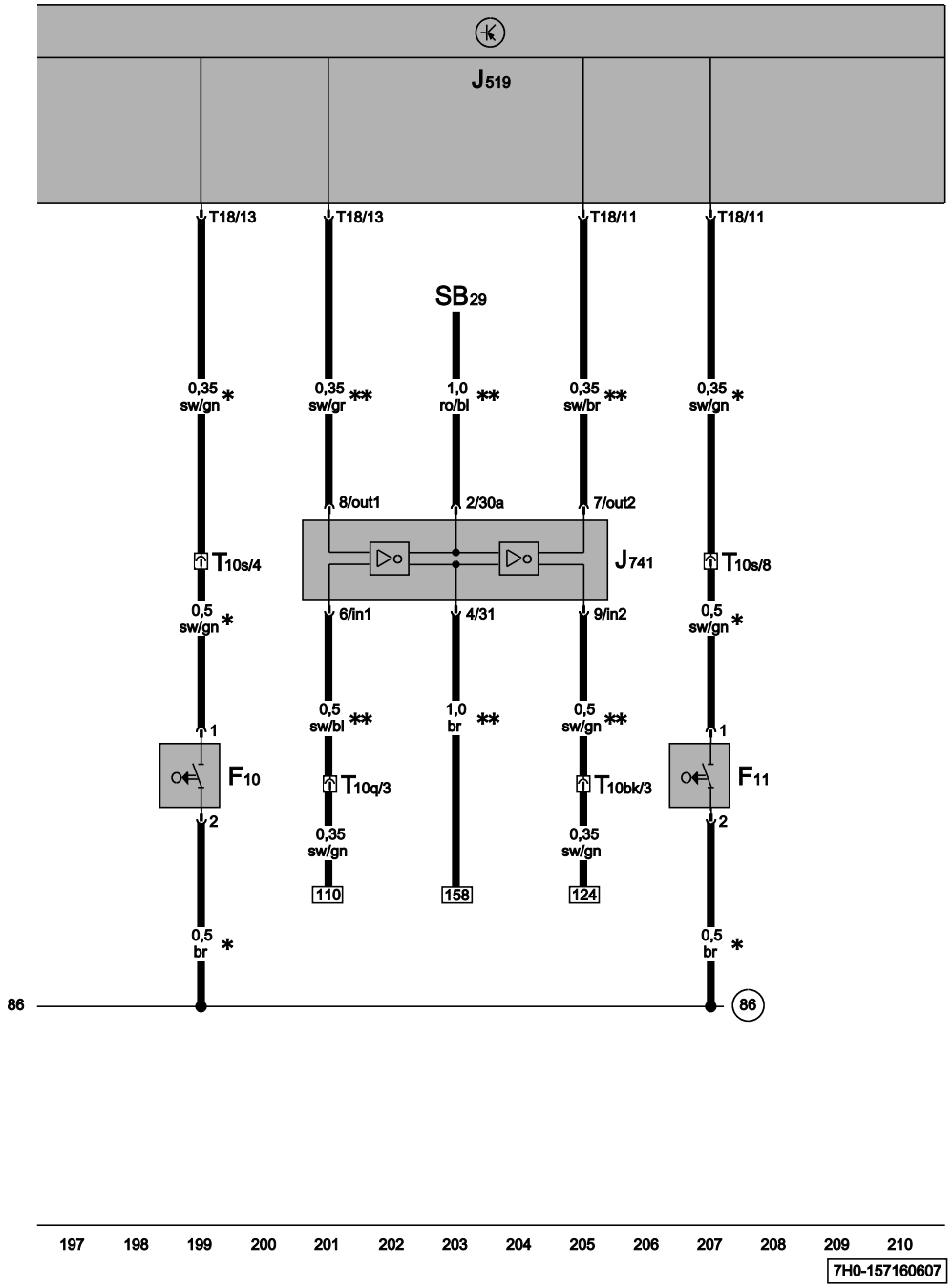
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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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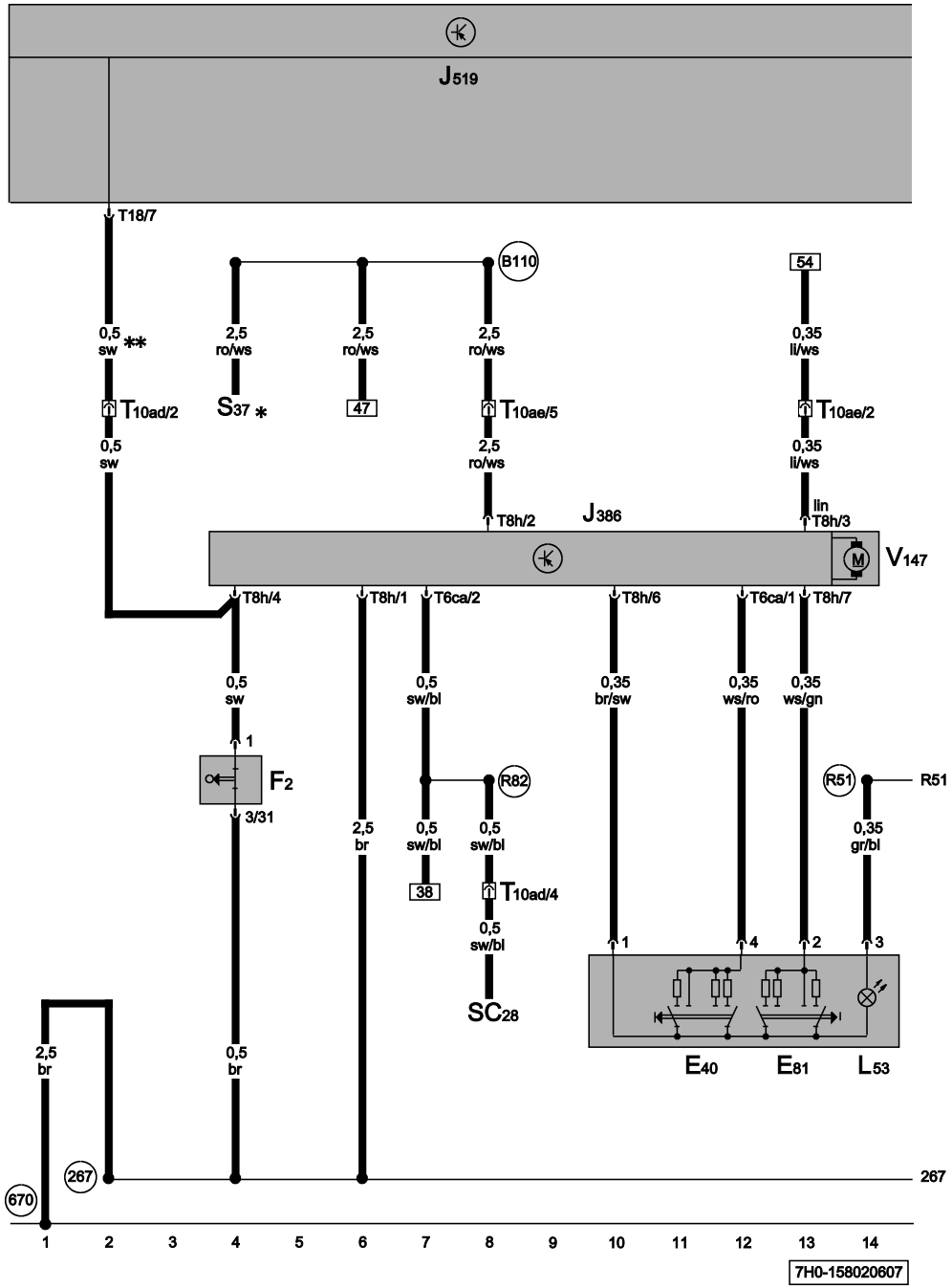
Exterior mirror, electric

⇒ **Window regulator, electric**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from August 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

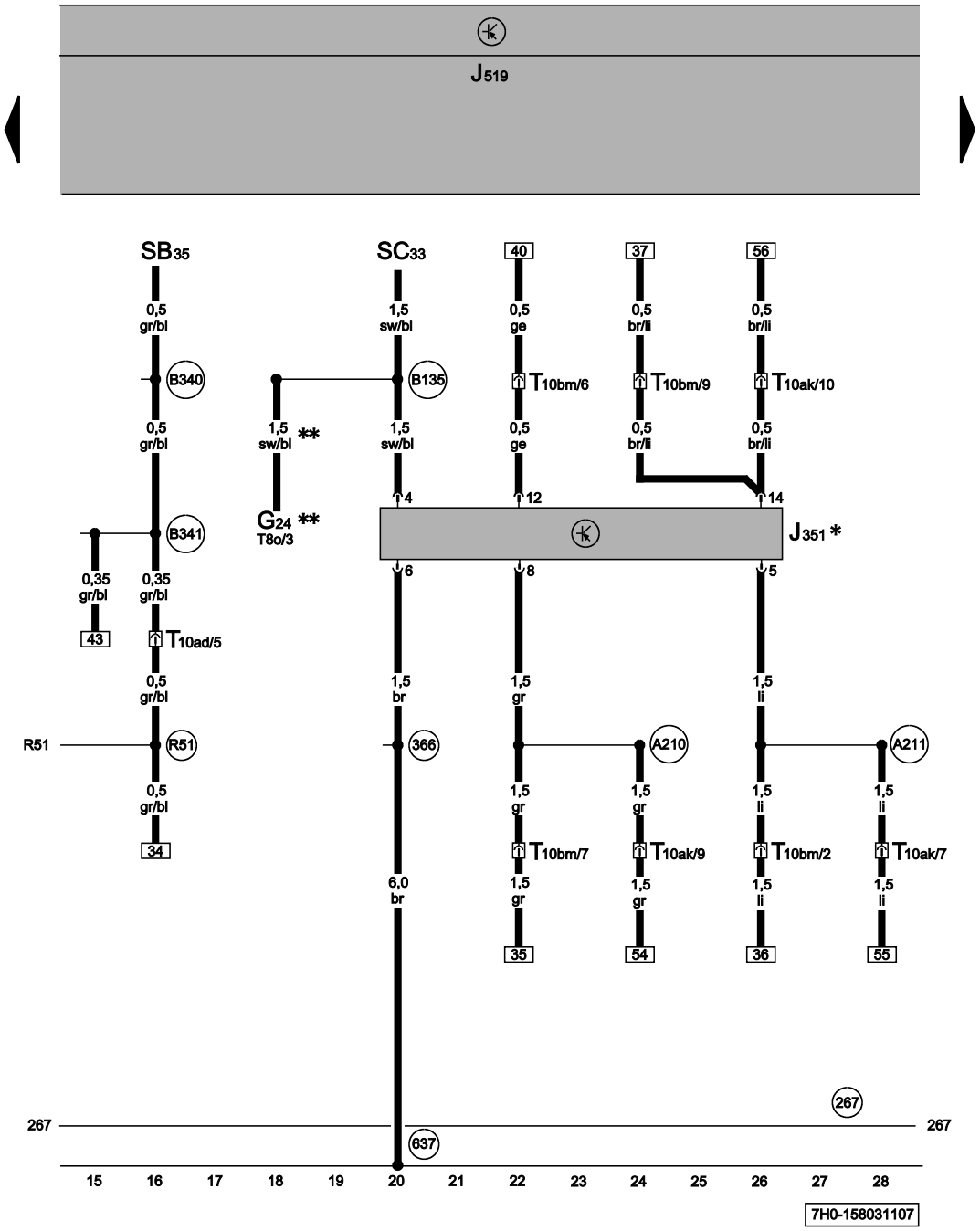
⇒ guided fault finding



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Fuses, front window regulator switch in driver door, driver door control unit, driver side window regulator motor, driver door contact switch

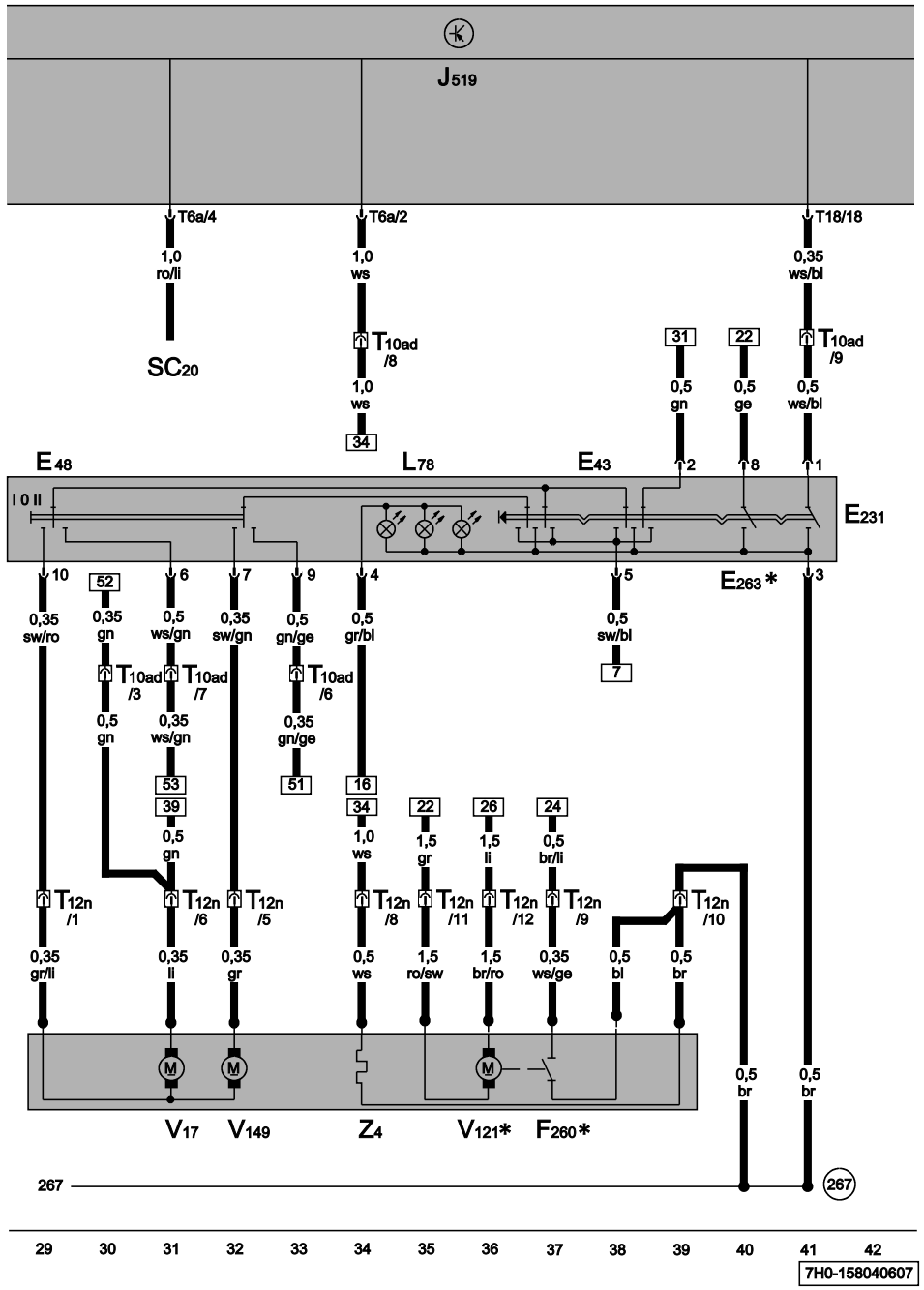
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
F2	Driver door contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T6ca	6-pin connector
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T18	18-pin connector, black
V147	Driver side window regulator motor
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations
**	for models without taxi equipment only



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Fuses, folding exterior mirror control unit

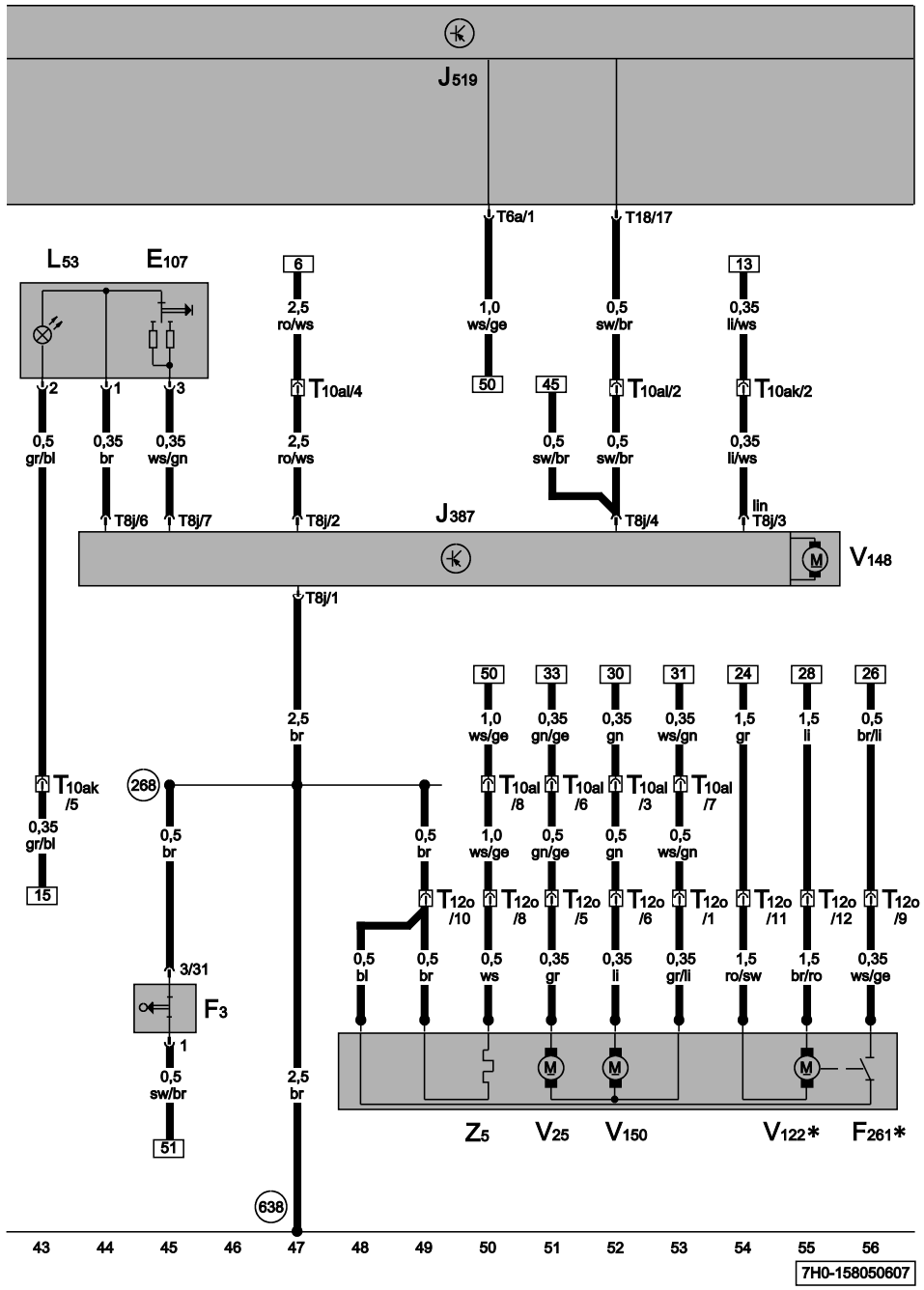
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	for models with folding exterior mirror only
**	for models with tachograph only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
*	for models with folding exterior mirror only



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Window regulator switch, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F3	Front passenger door contact switch
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T8j	8-pin connector
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only

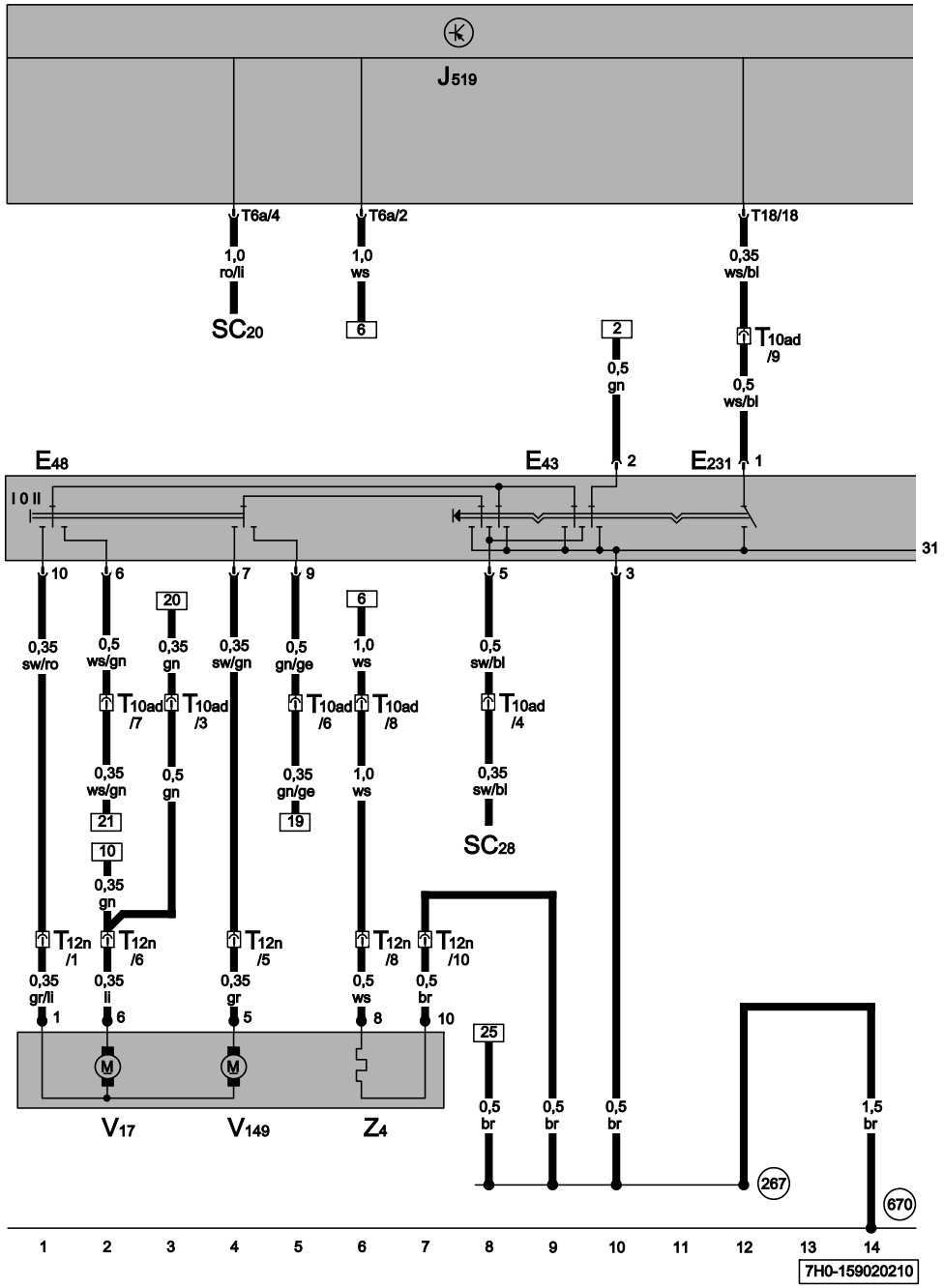
Exterior mirror, electric

⇒ **without electric window regulator**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

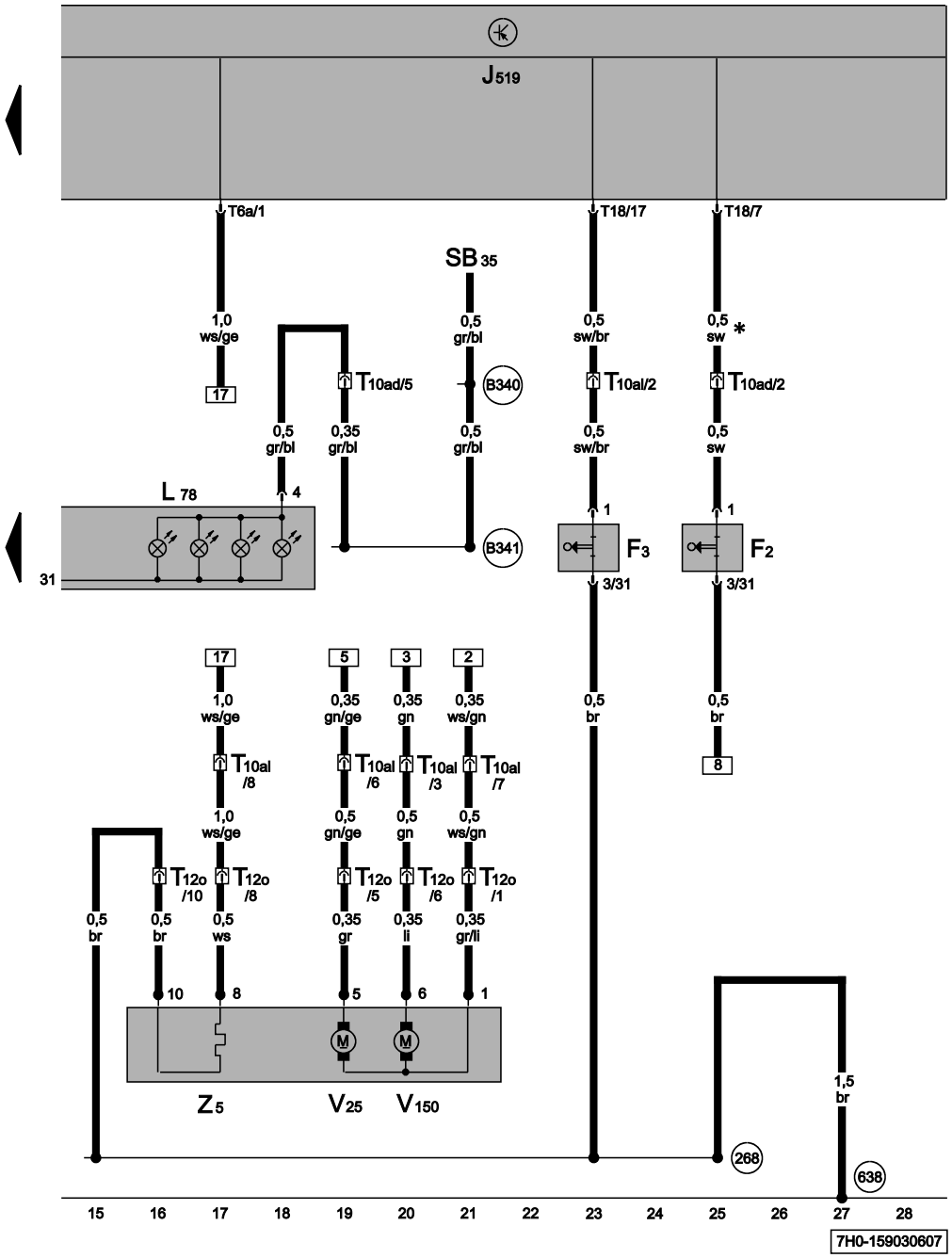
⇒ guided fault finding



ws = white
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Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar



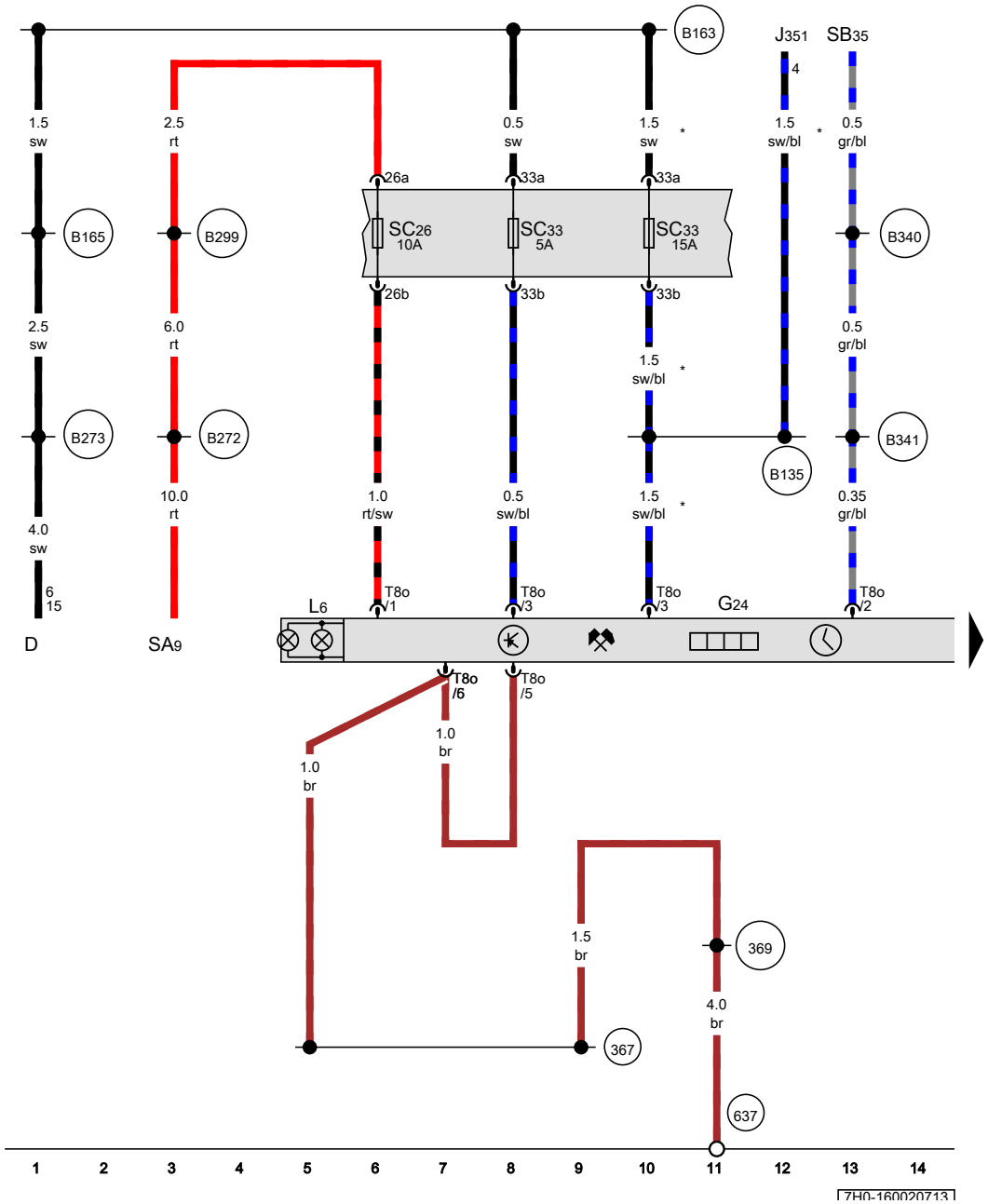
ws = white
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Driver door contact switch, front passenger door contact switch, front passenger side mirror adjustment motor, front passenger side heated exterior mirror

F2	Driver door contact switch
F3	Front passenger door contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models without taxi equipment only

Tachograph , (9ND),(9NE),(9NS),(9NT),(9NZ)

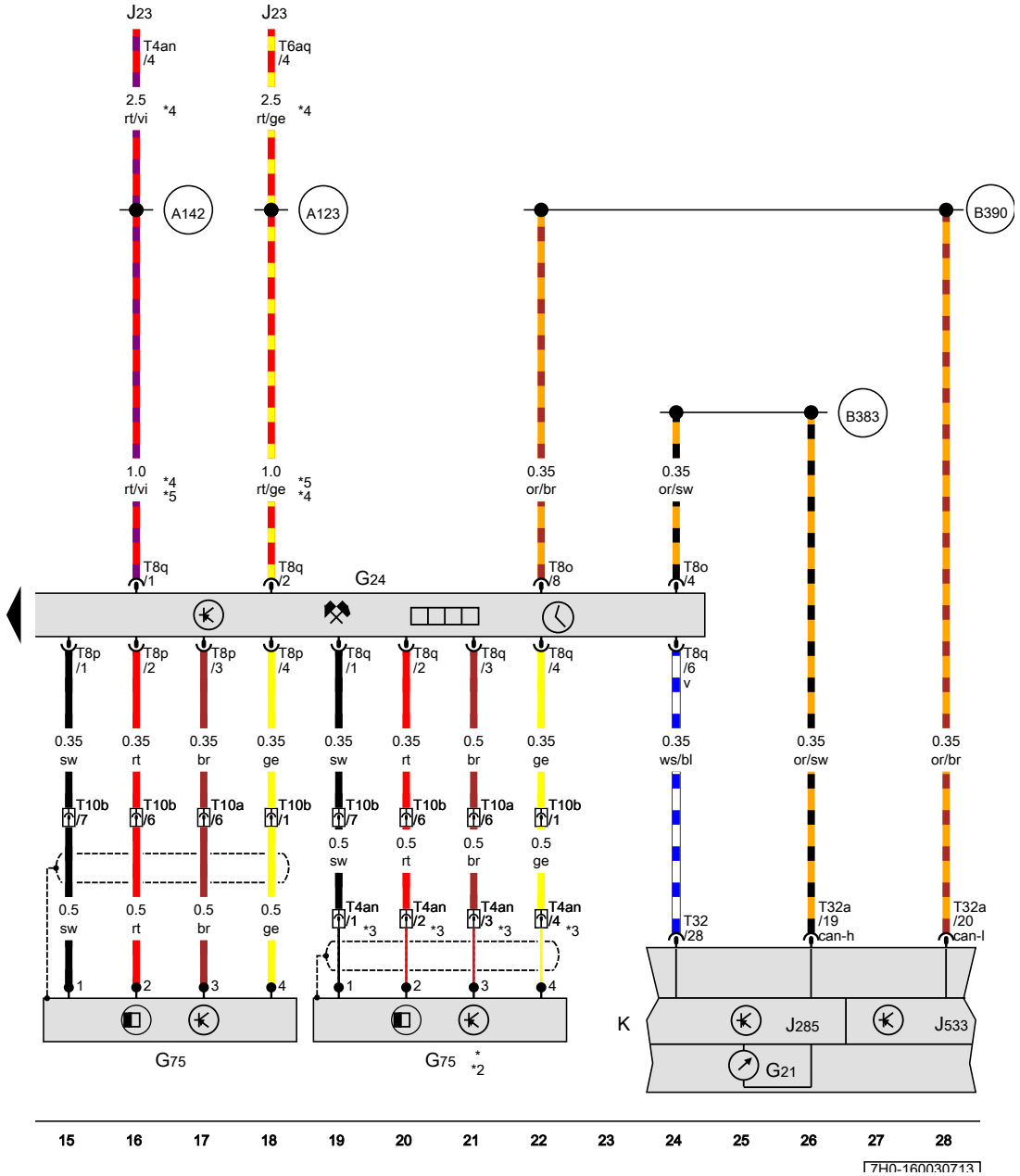
From August 2006



ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Tachograph, Speedometer illumination bulb, Fuse 26 on fuse holder C, Fuse 33 on fuse holder C

D	Ignition/starter switch
G24	Tachograph
J351	Folding exterior mirror control unit
L6	Speedometer illumination bulb
SA9	Fuse 9 in fuse holder A
SC26	Fuse 26 on fuse holder C
SC33	Fuse 33 on fuse holder C
SB35	Fuse 35 on fuse holder B
T8o	8-pin connector, white
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B135	Connection 1 (15a), in interior wiring harness
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	Only models with electric folding exterior mirrors



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Tachograph, Tachograph sender, Data bus diagnostic interface, Dash panel insert

G21	Speedometer
G24	Tachograph
G75	Tachograph sender
J23	Rotating light and siren system control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K	Dash panel insert
T4an	4-pin connector, on E-box in engine compartment
T6aq	6-pin connector, black
T8o	8-pin connector, white
T8p	8-pin connector, yellow
T8q	8-pin connector, brown
T10a	10-pin connector, in E-box in engine compartment, brown
T10b	10-pin connector, in E-box in engine compartment, white
T32	32-pin connector, blue
T32a	32-pin connector, blue
A123	Connection (siren), in dash panel wiring harness
A142	Positive connection 2 (siren), in dash panel wiring harness
B383	Connection 1 (powertrain CAN bus, high), in main wiring harness
B390	Connection 1 (powertrain CAN bus, low), in main wiring harness
*	From November 2007
*2	According to equipment
*3	Connector must be sealed
*4	Only models with special signal
*5	Only models with tachograph with no mechanical recording

Roof ventilator

from January 2006

Notes:

For information concerning

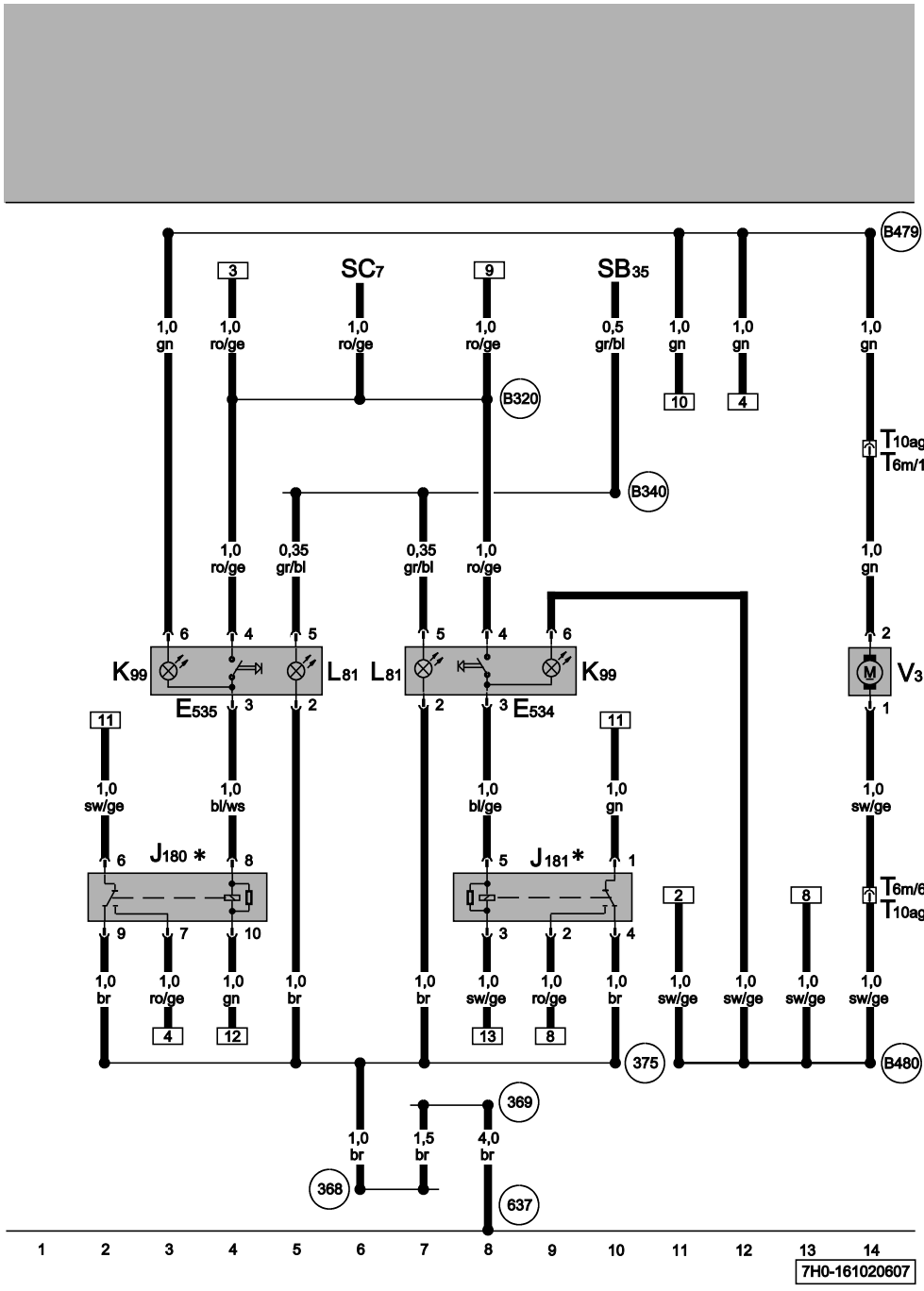
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



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Roof ventilator, switch-over relay for roof ventilator, change-over switch warning lamp for roof ventilator, roof ventilator switch

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
K99	Change-over switch warning lamp for roof ventilator
L81	Roof ventilator switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC7	Fuse 7 on fuse holder C
T6m	6-pin connector, red, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
V3	Roof ventilator
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
375	Earth connection 10, in main wiring harness
637	Earth point, airbag control unit
B320	Positive connection 6 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B479	Connection 15 in main wiring harness
B480	Connection 16 in main wiring harness
*	on relay carrier (2) cockpit, ⇒ Fitting locations
**	applicable up to May 2006
***	applicable from June 2006

Climatronic

from June 2006

Notes:

For information concerning

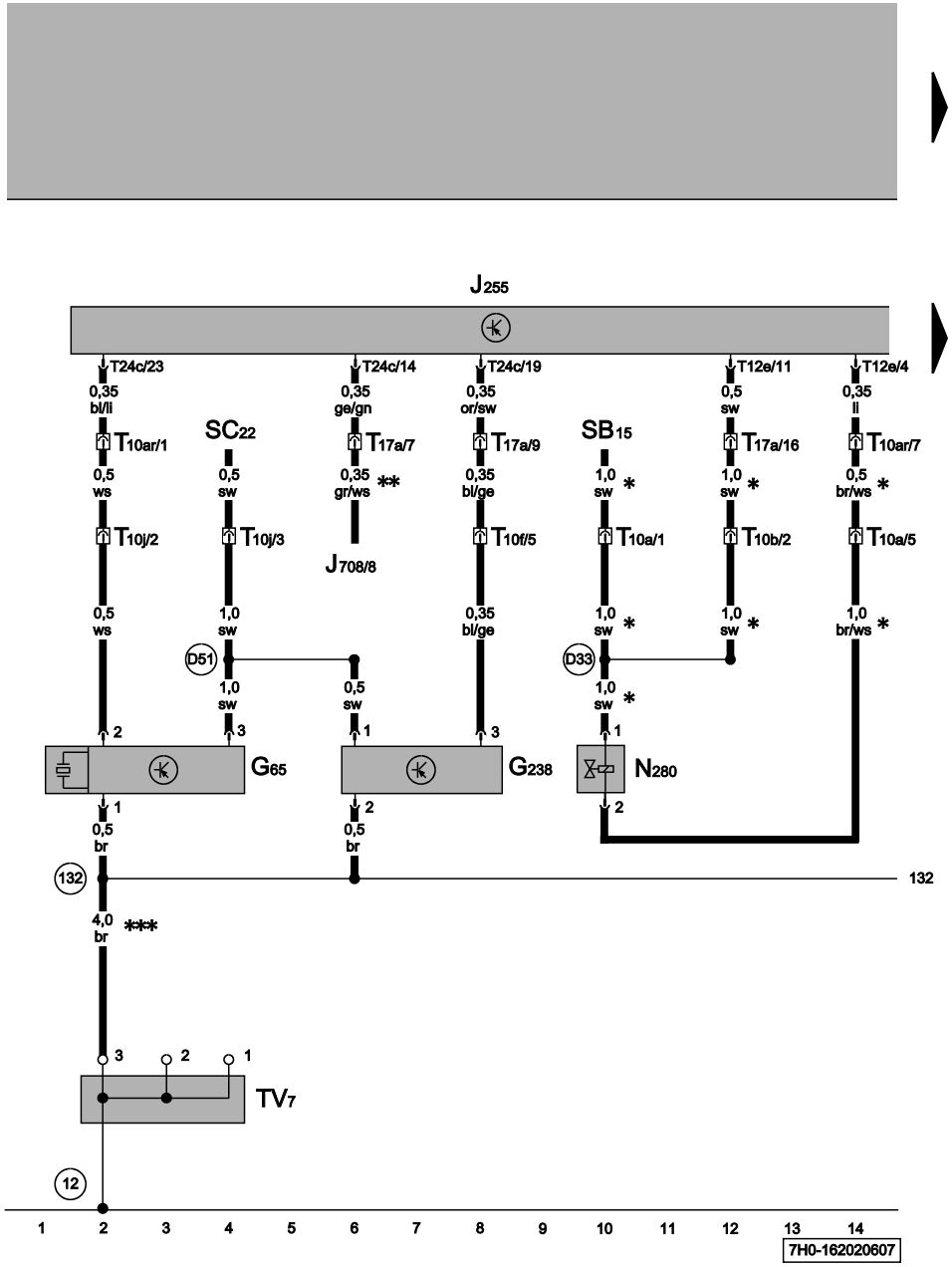
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

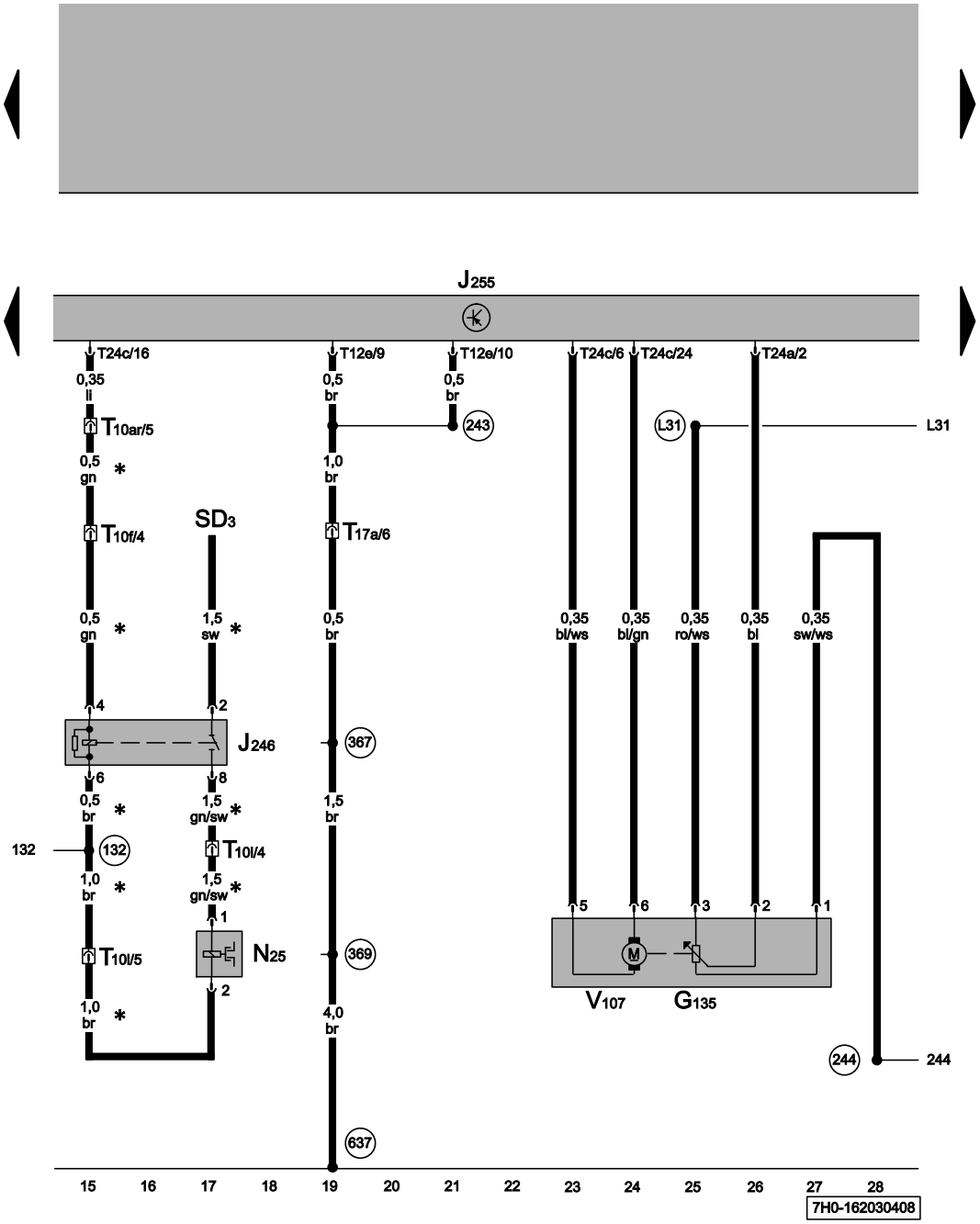
⇒ guided fault finding



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Climatronic control unit, high-pressure sender, air quality sensor, compressor regulating valve, air conditioning system

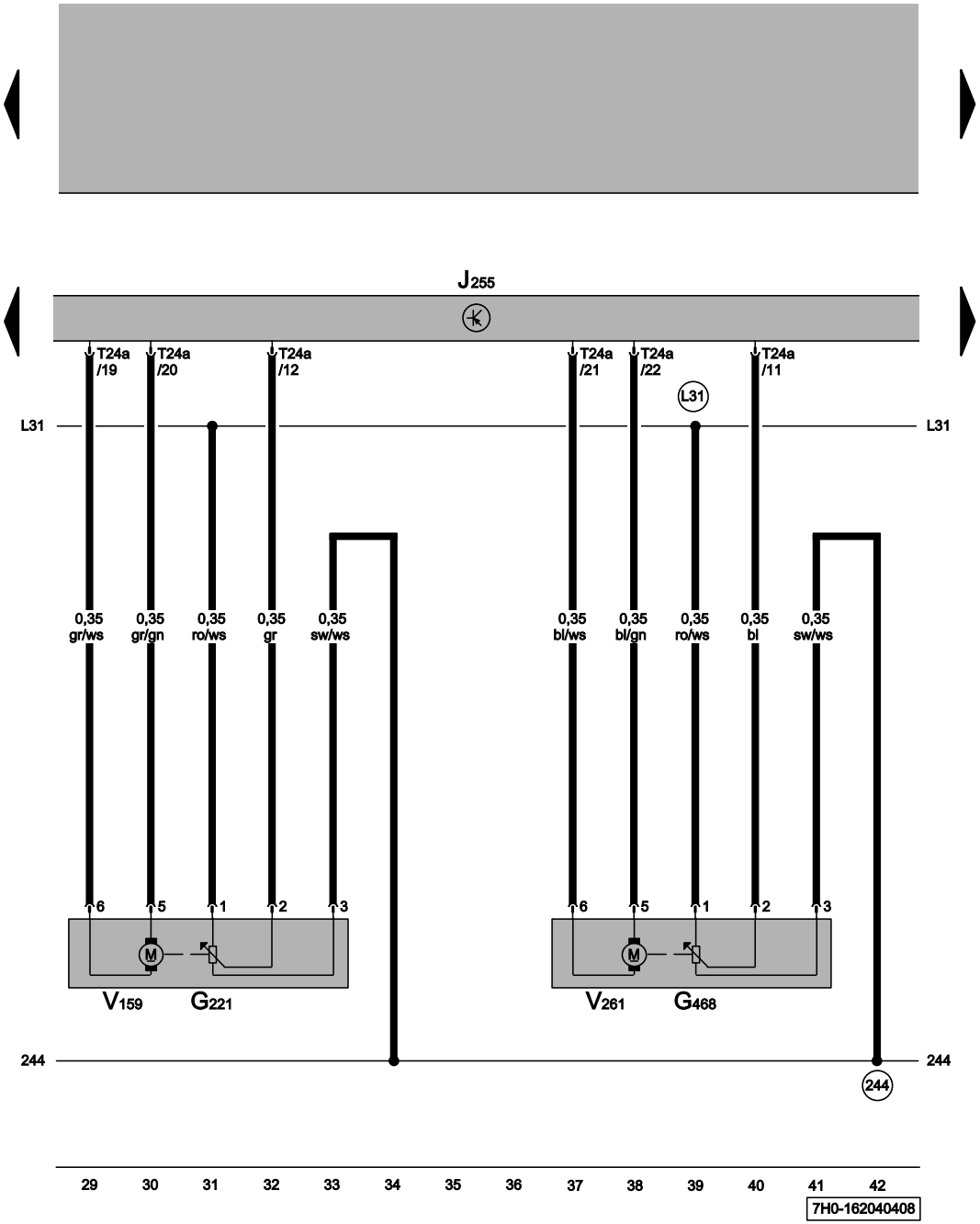
G65	High pressure sender
G238	Air quality sensor
J255	Climatronic control unit
J708	Residual heat relay
N280	Air conditioning system compressor regulating valve
SB15	Fuse 15 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
D33	Positive connection 2 (15), in engine wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
**	function heater support when driving ⇒ auxiliary coolant heating Current Flow Diagram.
***	cross-section depends on equipment



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Climatronic control unit, cut-out relay for air conditioning system magnetic coupling, air conditioning system magnetic clutch, defroster flap control motor potentiometer

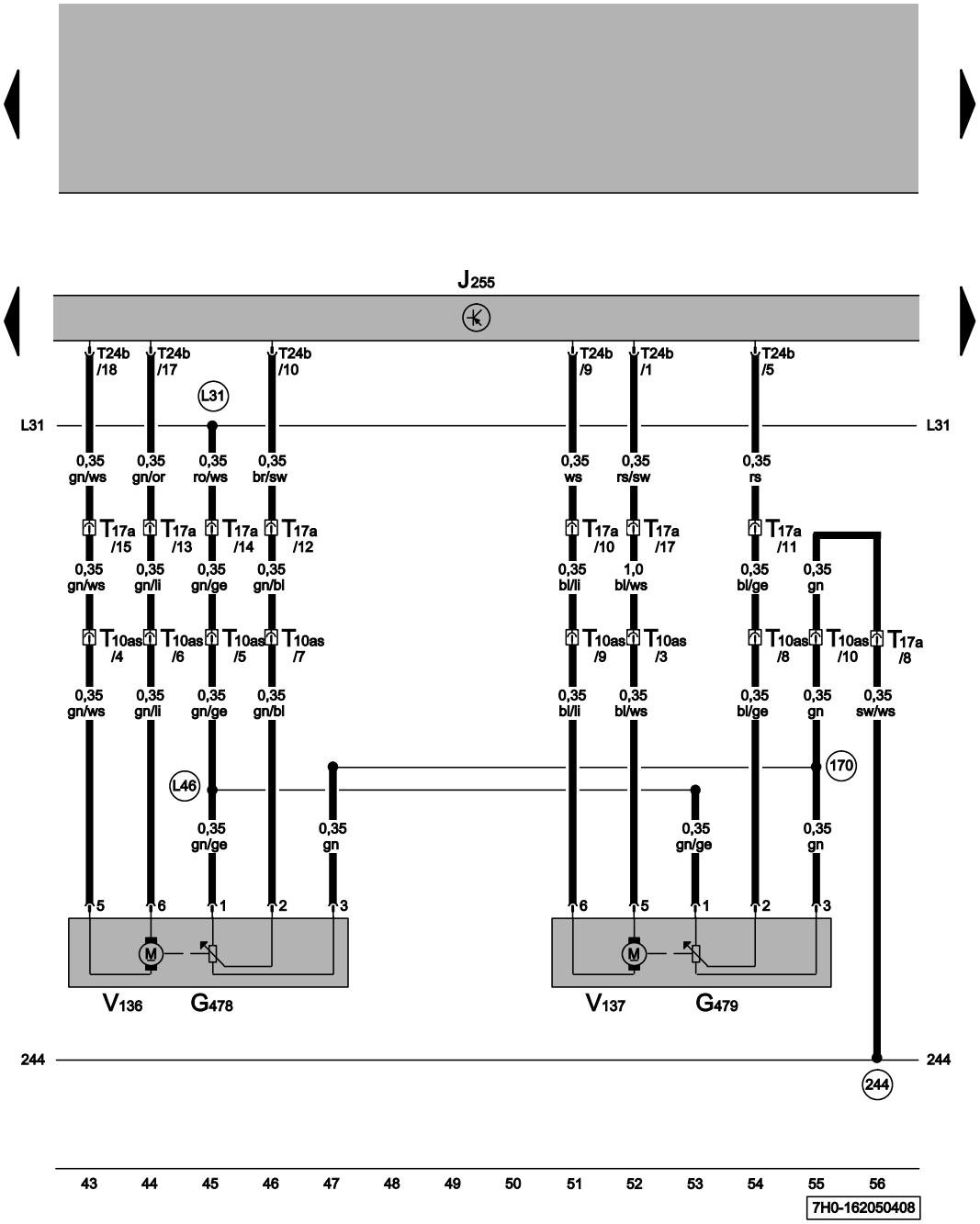
G135	Defroster flap control motor potentiometer
J246	Cut-out relay for air conditioning system magnetic coupling
J255	Climatronic control unit
N25	Air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24a	24-pin connector, black
T24c	24-pin connector, brown
V107	Defroster flap control motor
132	Earth connection 3, in engine compartment wiring harness
243	Earth connection 1, in Climatronic wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
L31	Connection (5V), in air conditioning system wiring harness
*	not for models with engine codes AXD, AXE, BLJ, BNZ and BPC only



Climatronic control unit, potentiometer for right temperature flap control motor, potentiometer for footwell vent control motor

G221	Potentiometer for right temperature flap control motor
G468	Potentiometer for footwell vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
V159	Right temperature flap control motor
V261	Footwell flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

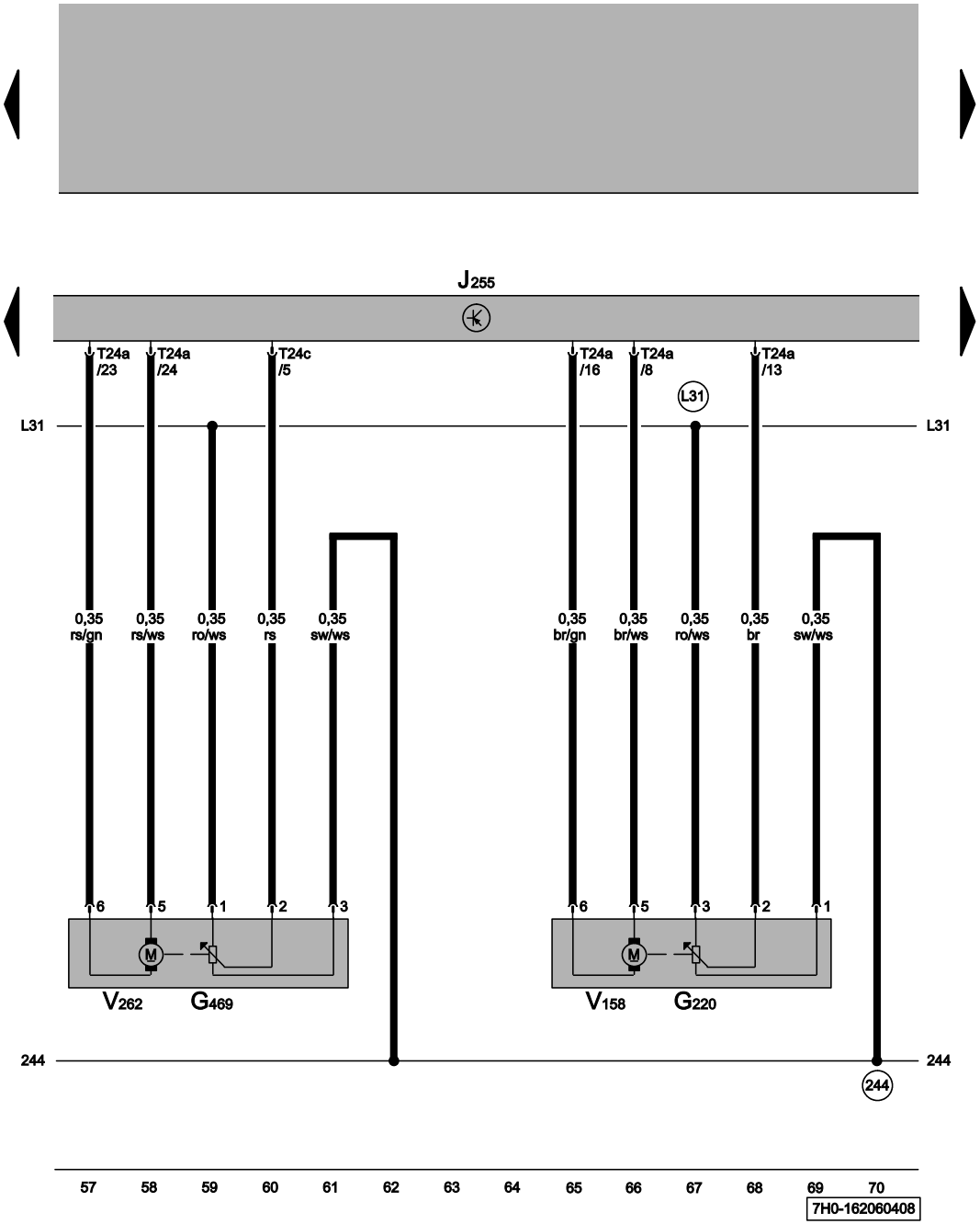
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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rs	=	pink



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Climatronic control unit, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

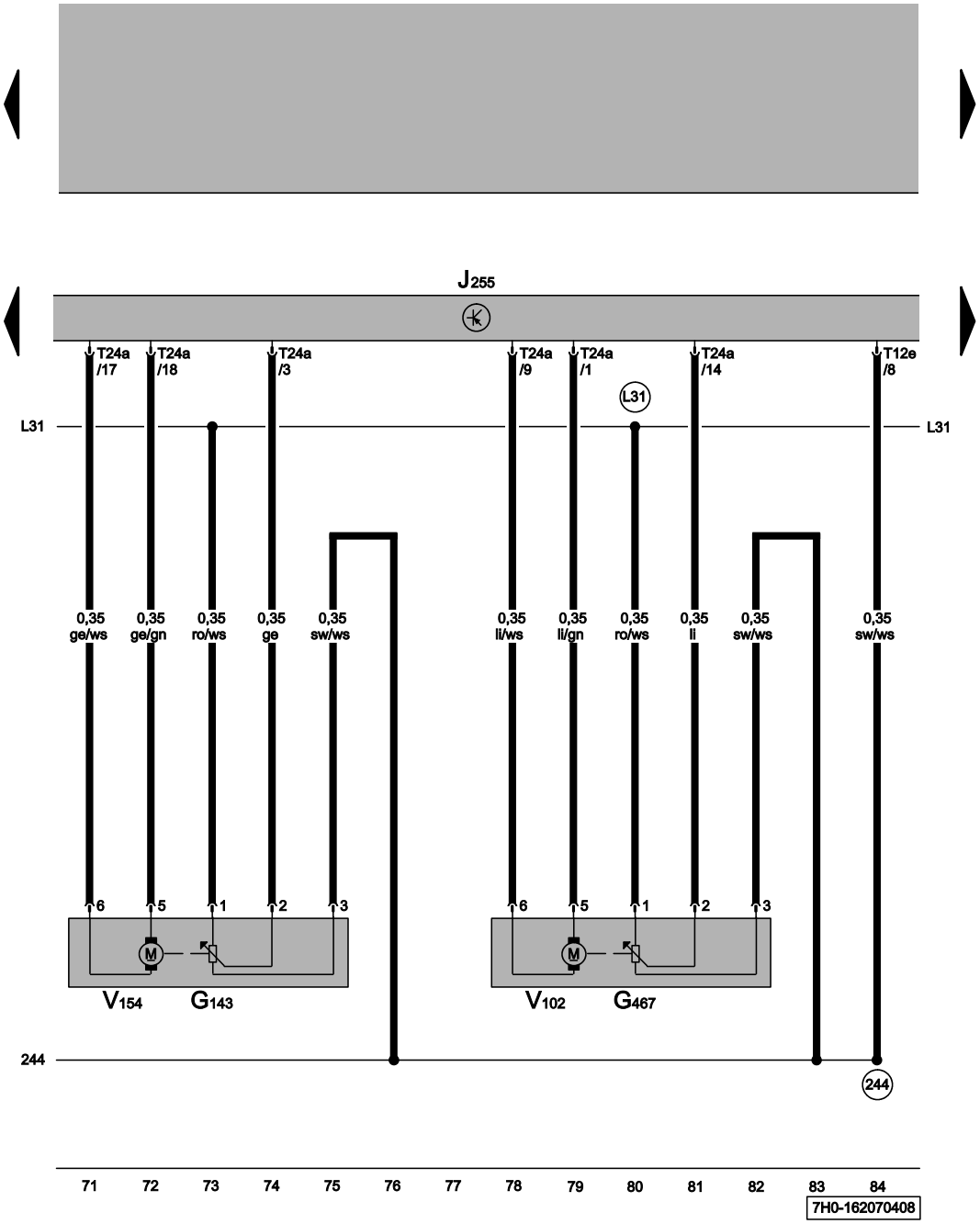
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J255	Climatronic control unit
T10as	10-pin connector, yellow, coupling station under front passenger seat
T17a	17-pin connector, black, behind the glove box
T24b	24-pin connector, red
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness



Climatronic control unit, potentiometer for left temperature flap control motor, potentiometer for side vent control motor

G220	Potentiometer for left temperature flap control motor
G469	Potentiometer for side vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
T24c	24-pin connector, brown
V158	Left temperature flap control motor
V262	Side vent control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

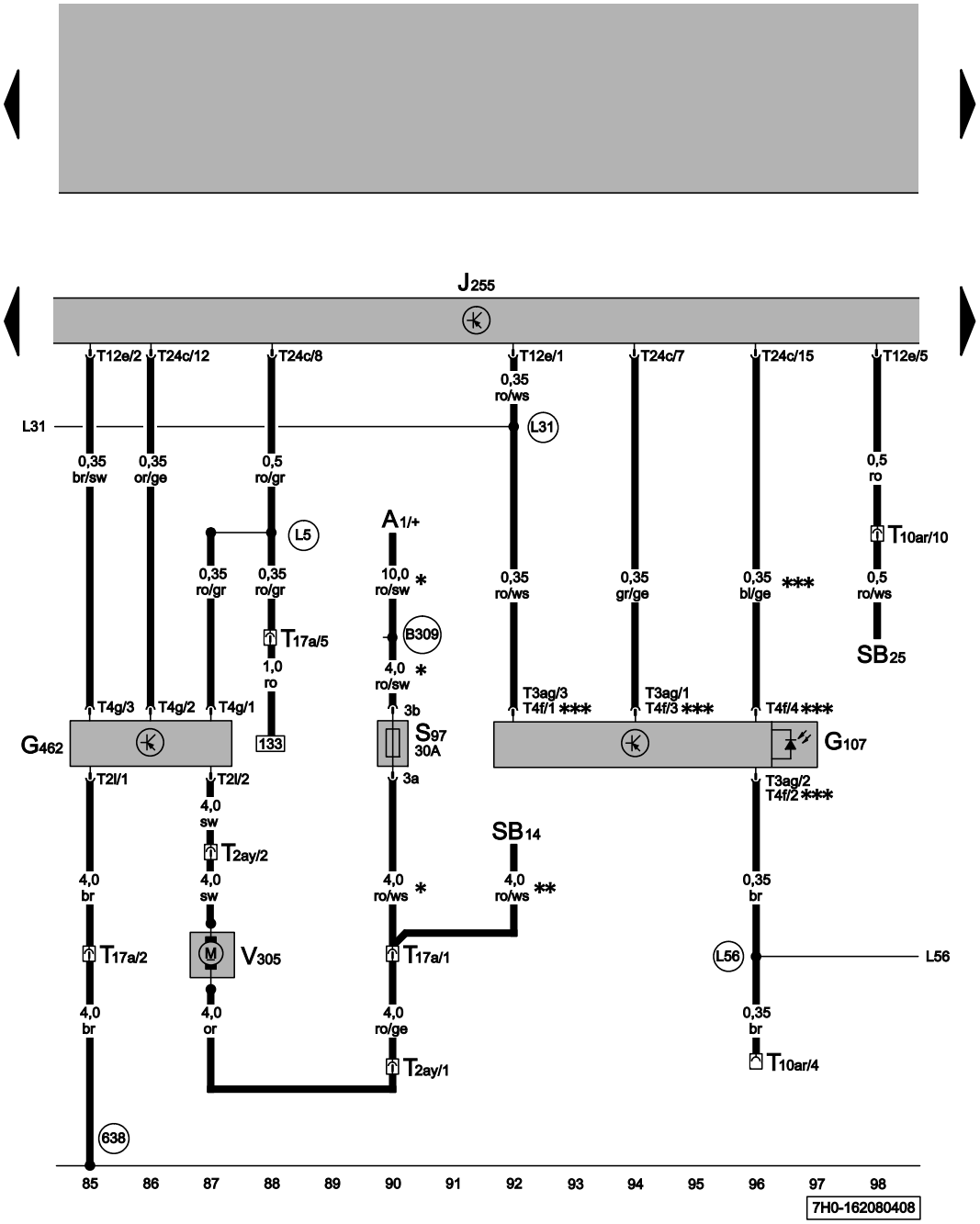
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for air recirculation flap control motor, potentiometer for centre vent control motor

G143	Air recirculation flap control motor potentiometer
G467	Potentiometer for centre vent control motor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
V102	Central vents control motor
V154	Fresh air/recirculated air flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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rs	=	pink

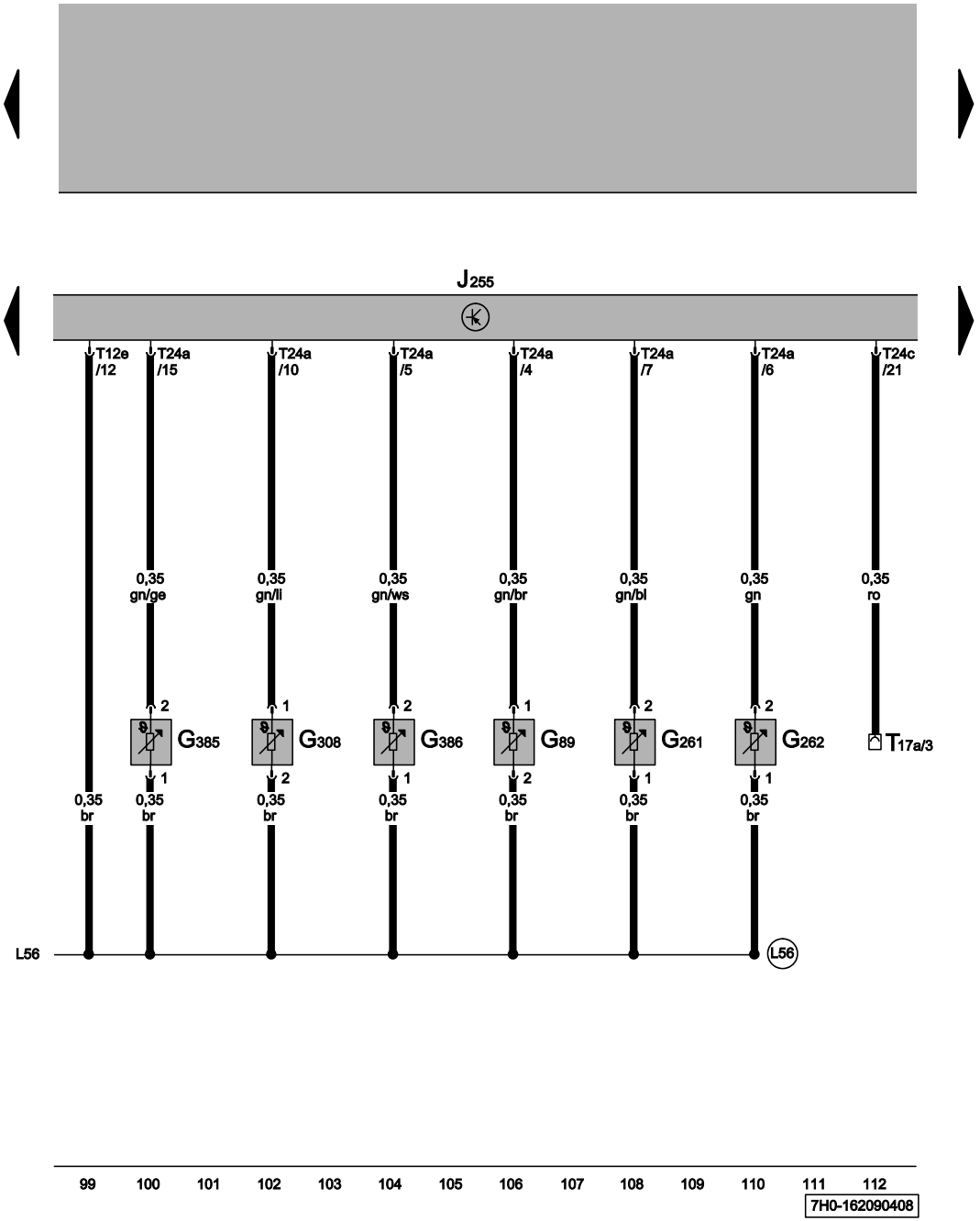


ws = white
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li = purple
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Climatronic control unit, sunlight penetration photosensor, sender for front Bitron blower regulation

A1	Second battery
G107	Sunlight penetration photosensor
G462	Front blower Bitron regulation sender
J255	Climatronic control unit
S97	Fresh air blower fuse 1
SB14	Fuse 14 on fuse holder B
SB25	Fuse 25 on fuse holder B
T2l	2-pin connector
T2ay	2-pin connector, black
T3ag	3-pin connector, black
T4f	4-pin connector, black
T4g	4-pin connector
T10ar	10-pin connector, green, behind the glove box
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24c	24-pin connector, brown
V305	Front blower Bitron regulation motor
638	Earth point, right A-pillar
B309	Positive connection 13 (30), in main wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L56	Connection (sender), in Climatronic wiring harness

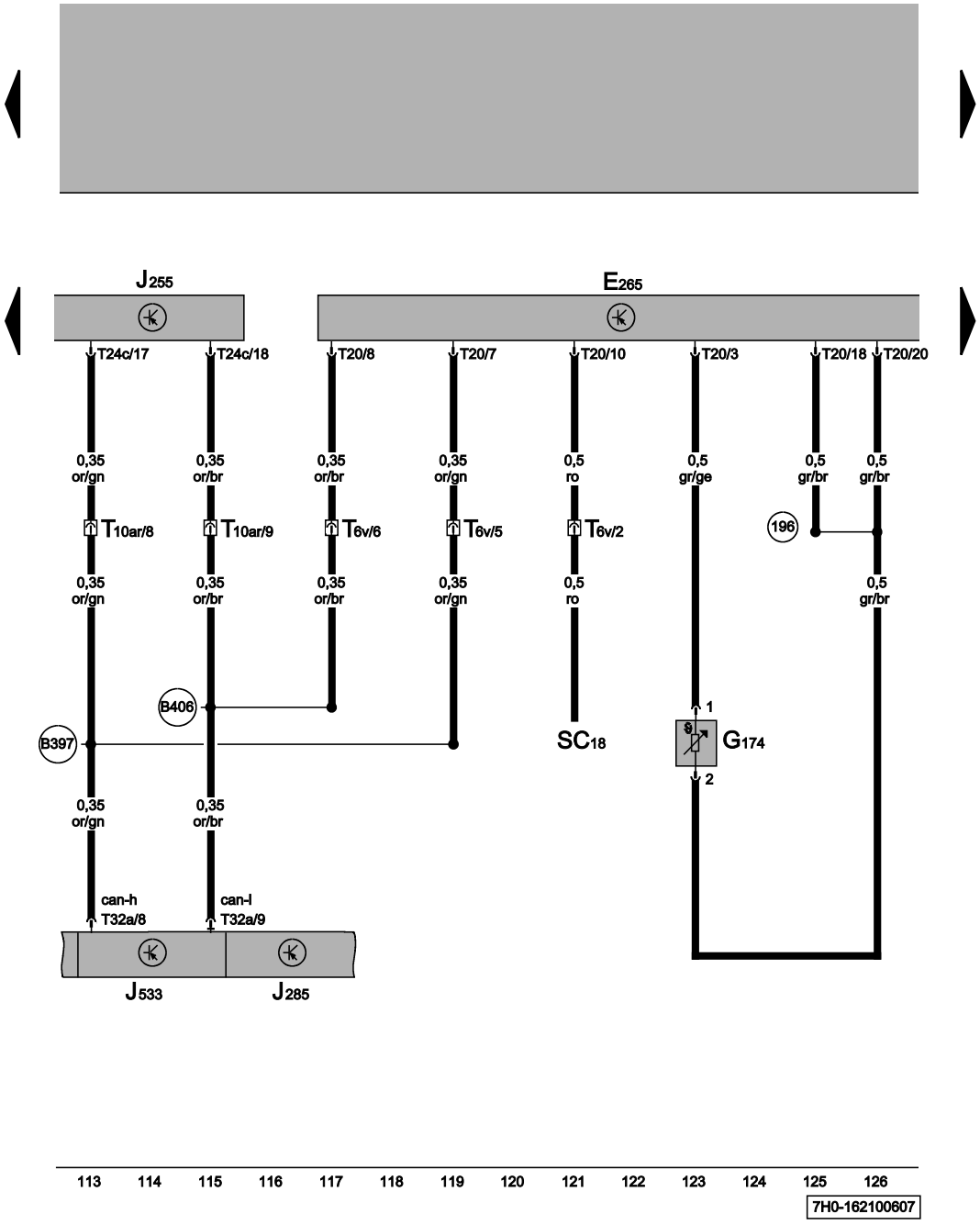
* for models with auxiliary coolant heater only
** for models without auxiliary coolant heater only
*** For Multivan only



Climatronic control unit, fresh air intake duct temperature sensor, footwell vent temperature sender, evaporator temperature sensor, chest vent temperature sensor

G89	Fresh air intake duct temperature sensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G308	Evaporator temperature sensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
J255	Climatronic control unit
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove box
T24a	24-pin connector, black
T24c	24-pin connector, brown
L56	Connection (sender), in Climatronic wiring harness

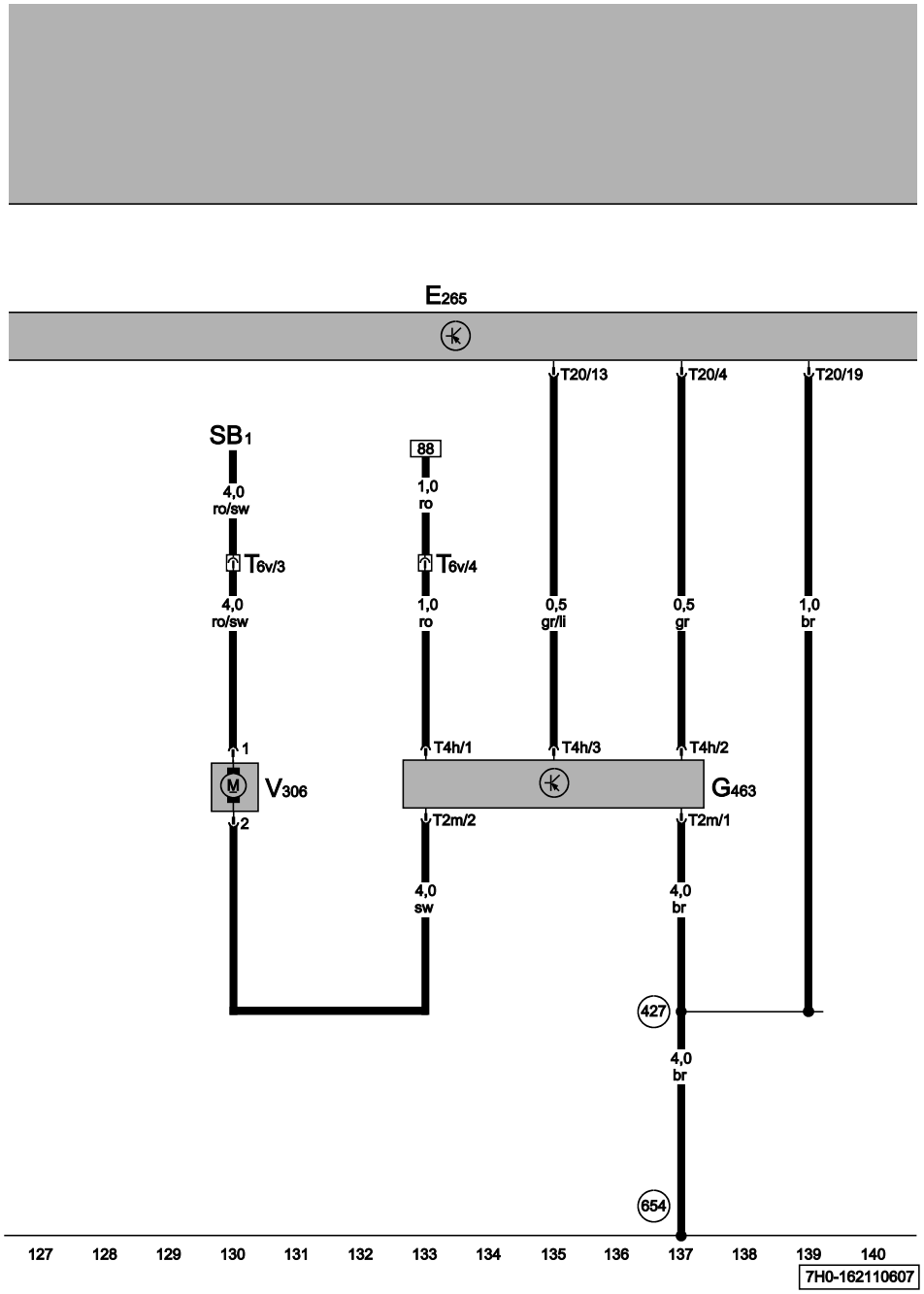
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Climatronic control unit, rear Climatronic operating and display unit, rear vent temperature sender

E265	Operating and display unit for rear Climatronic
G174	Rear vent temperature sender
J255	Climatronic control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove box
T20	20-pin connector
T24c	24-pin connector, brown
T32a	32-pin connector, green
196	Earth connection 3, in rear wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

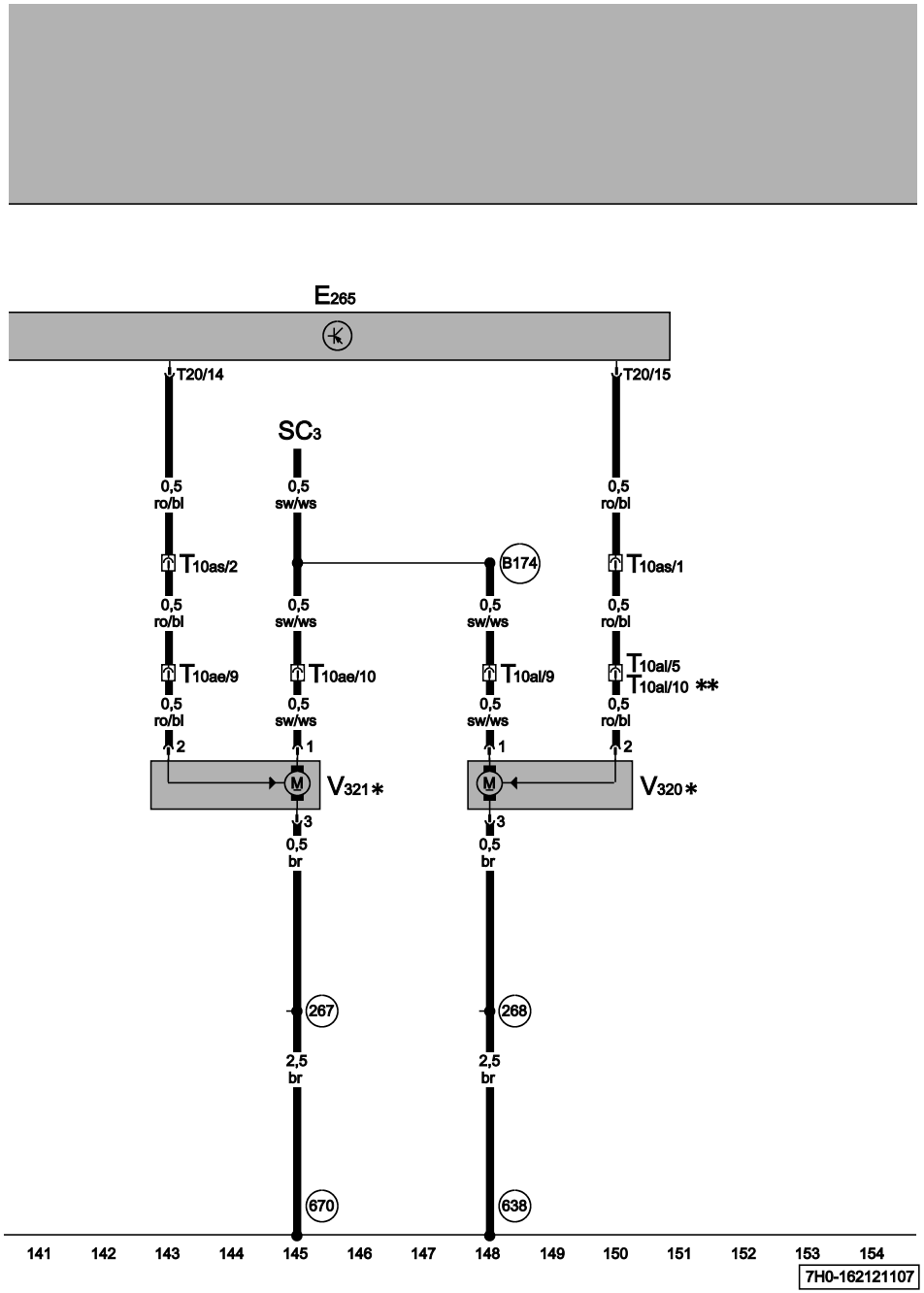
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Rear Climatronic operating and display unit, rear blower Bitron regulation motor

E265	Operating and display unit for rear Climatronic
G463	Rear blower regulation sender
SB1	Fuse 1 on fuse holder B
T2m	2-pin connector
T4h	4-pin connector
T6v	6-pin connector, red, coupling station under front passenger seat
T20	20-pin connector
V306	Rear blower Bitron regulation motor
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar

ws	=	white
sw	=	black
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gn	=	green
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gr	=	grey
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Operating and display unit for rear Climatronic, right auxiliary blower, left auxiliary blower

E265	Operating and display unit for rear Climatronic
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10as	10-pin connector, yellow, coupling station under front passenger seat
T20	20-pin connector
V320	Right auxiliary blower
V321	Left auxiliary blower
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
*	for models with auxiliary blower, in front doors
**	applicable from June 2007

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radiator fan (450W), for air conditioning system/Climatronic

⇒ **1 Radiator fan control unit**

⇒ **Engine codes AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only**

from November 2006

Notes:

For information concerning

- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

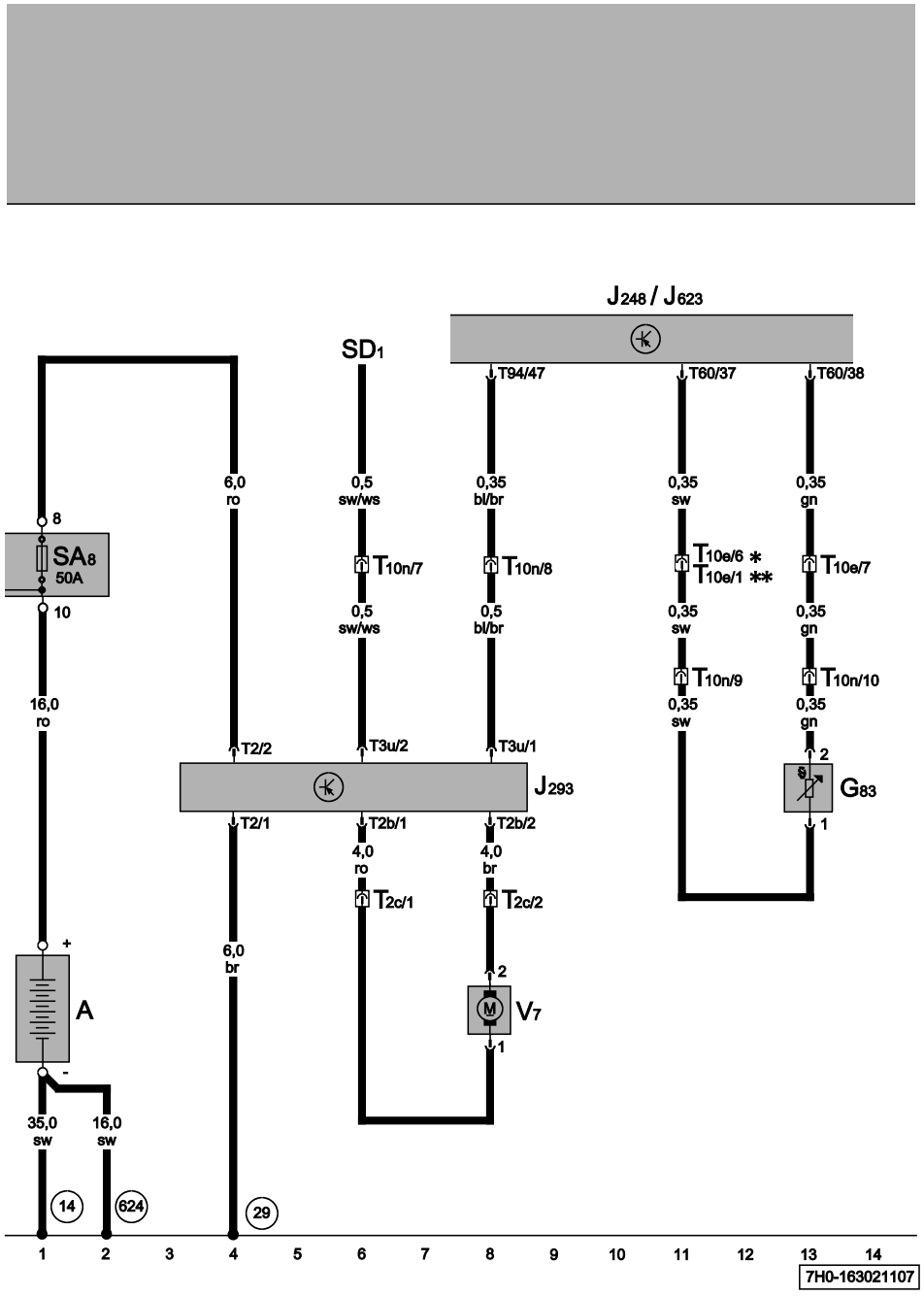
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

Battery, fuses, radiator fan control unit, radiator fan, radiator outlet coolant temperature sender



A	Battery
G83	Radiator outlet coolant temperature sender
J248	Diesel direct injection system control unit
J293	Radiator fan control unit
J623	Engine control unit
SA8	Fuse 8 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V7	Radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	applicable up to May 2007
**	applicable from June 2007

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

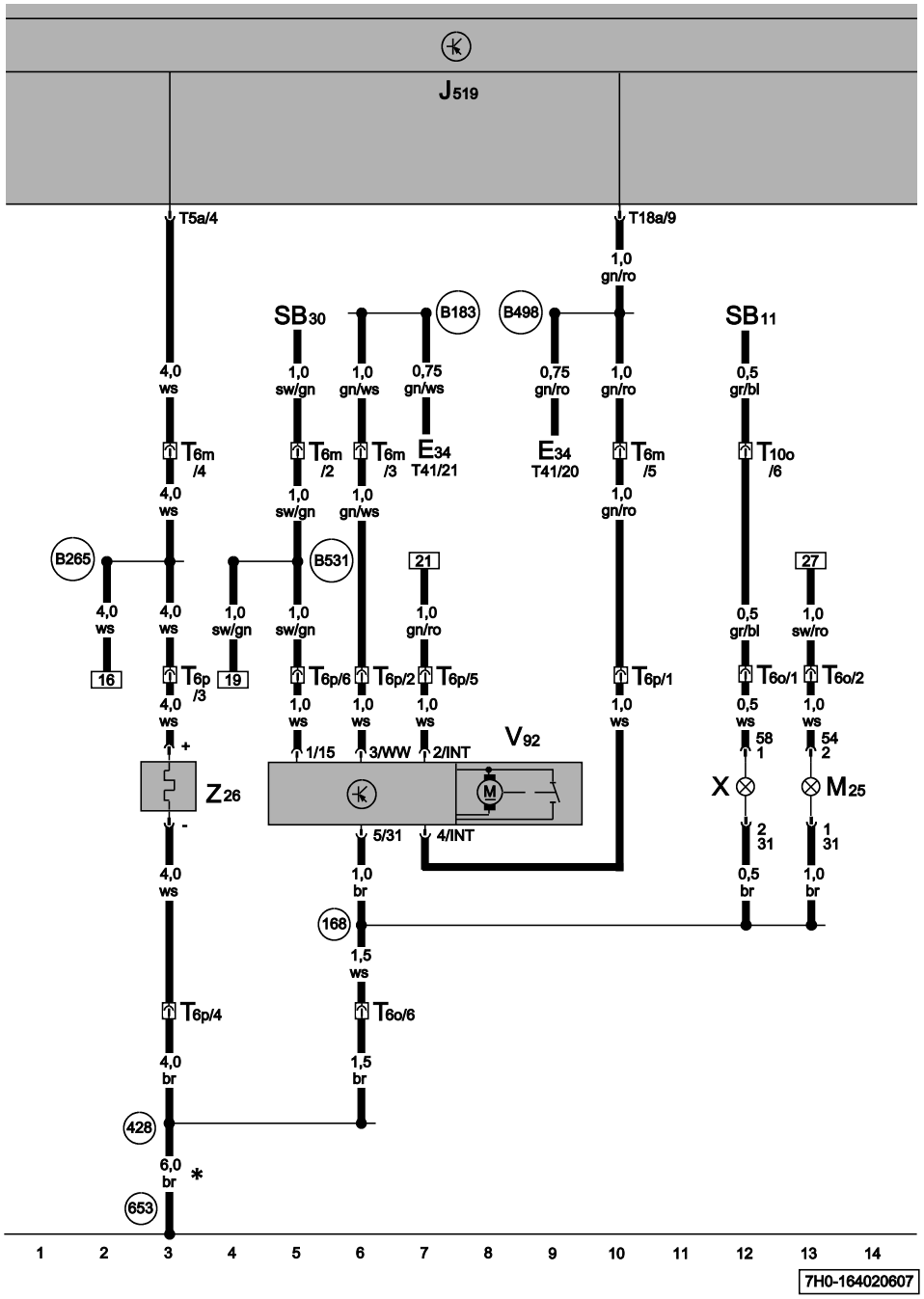
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

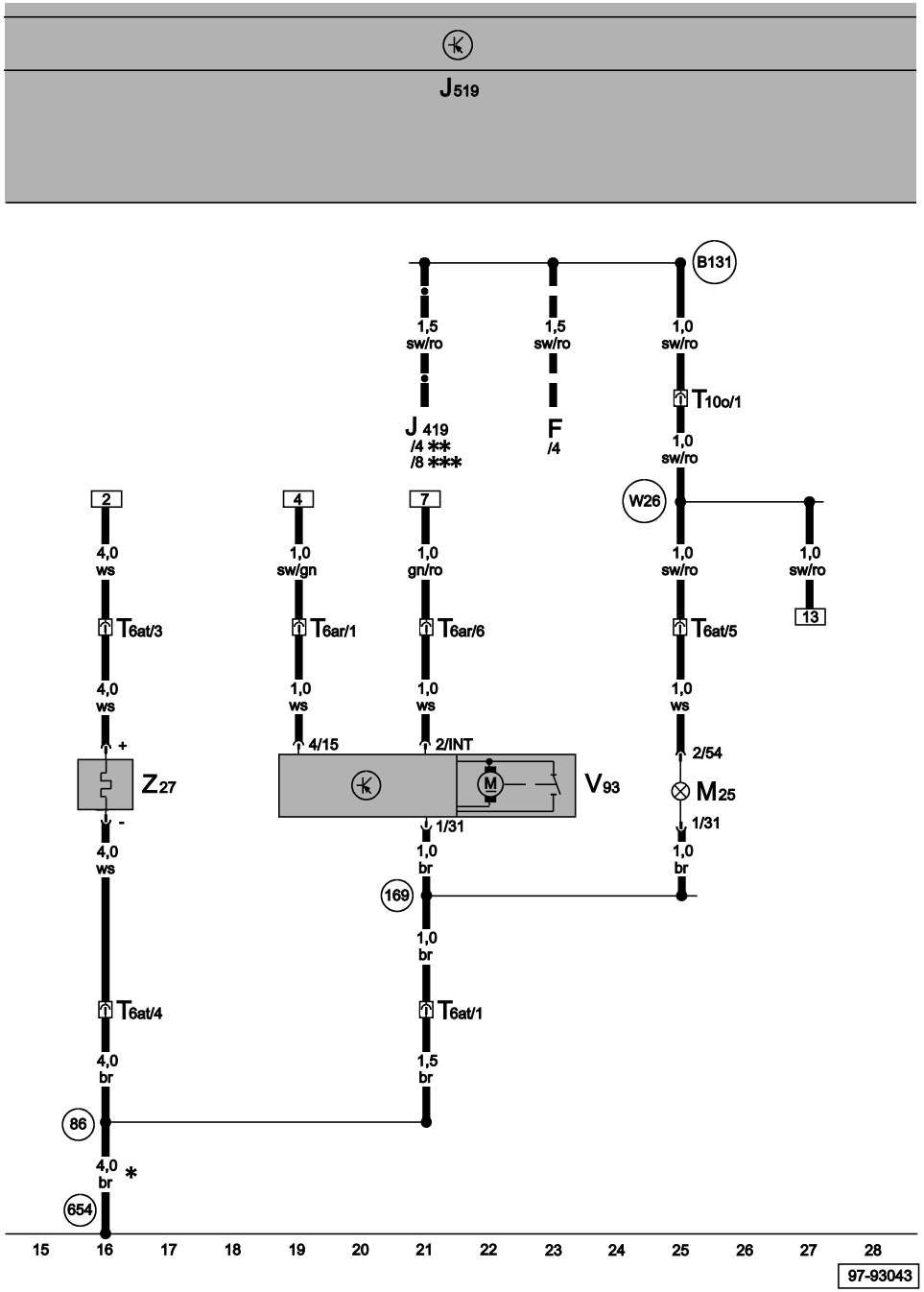
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, heated rear window in left wing door, rear left wing door window wiper motor, number plate light

E34	Rear wiper switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder B
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
X	Number plate light
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B265	Connection 2, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B531	Positive connection (75), in roof wiring harness
*	wire cross section are equipment dependant



High-level brake light bulb, rear right wing door window wiper motor, heated rear window in right wing door

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M25	High level brake light bulb
T6ar	6-pin connector, red, coupling station on right of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
V93	Rear right wing door window wiper motor
Z27	Right wing door heated rear window
86	Earth connection 1, in rear wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
*	wire cross section are equipment dependant
**	only models without serial trailer towing coupling
***	only models with serial trailer towing coupling

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for models without ESP only

<fo:external-graphic src="../PDOC/
for models with ESP only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

samba/ tools/ png- convert/ out//slp/ ft_icons/ m_k_m.p ng" content- width="2 0pt" scaling=" uniform"/ >

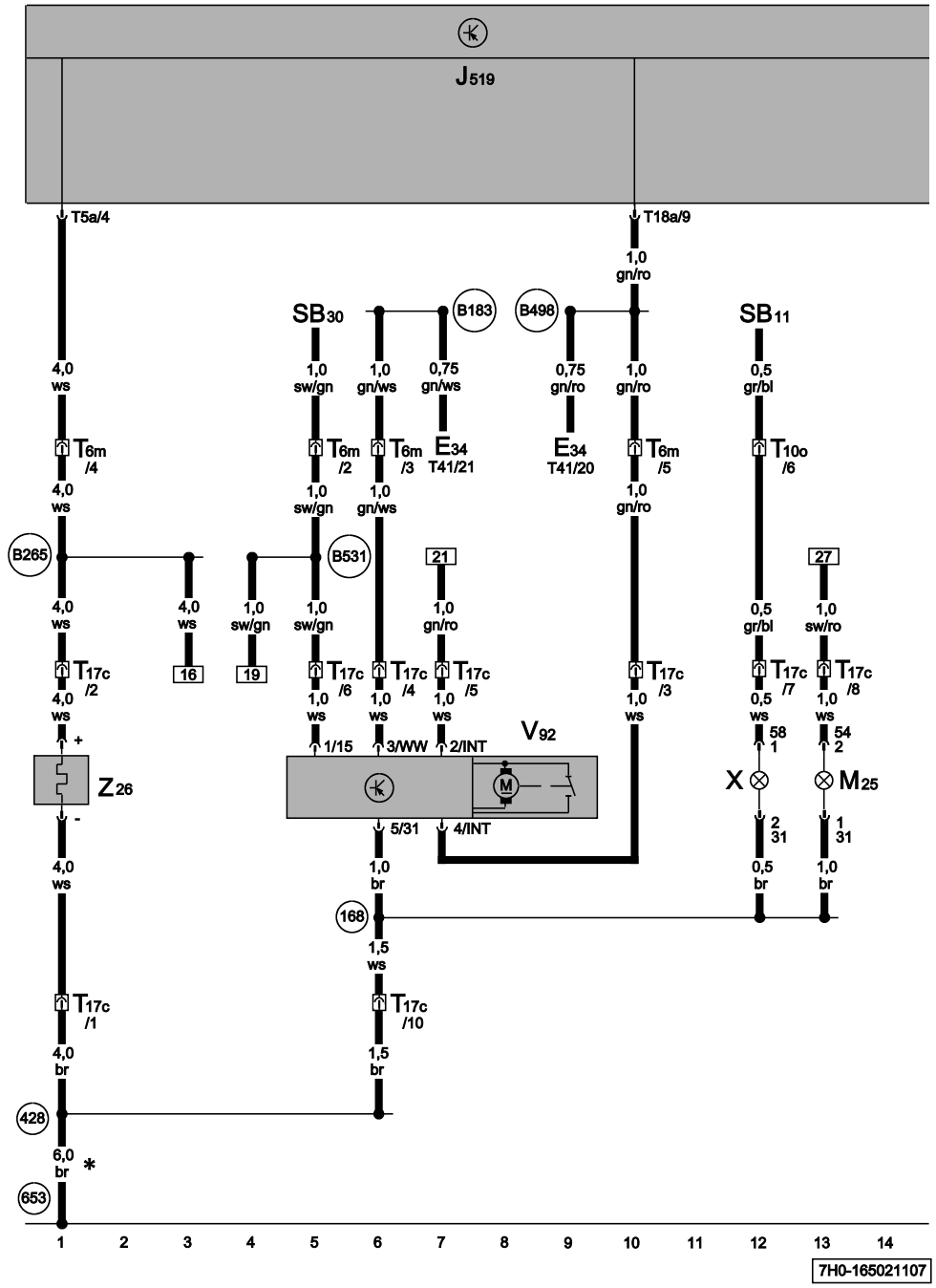
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from November 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

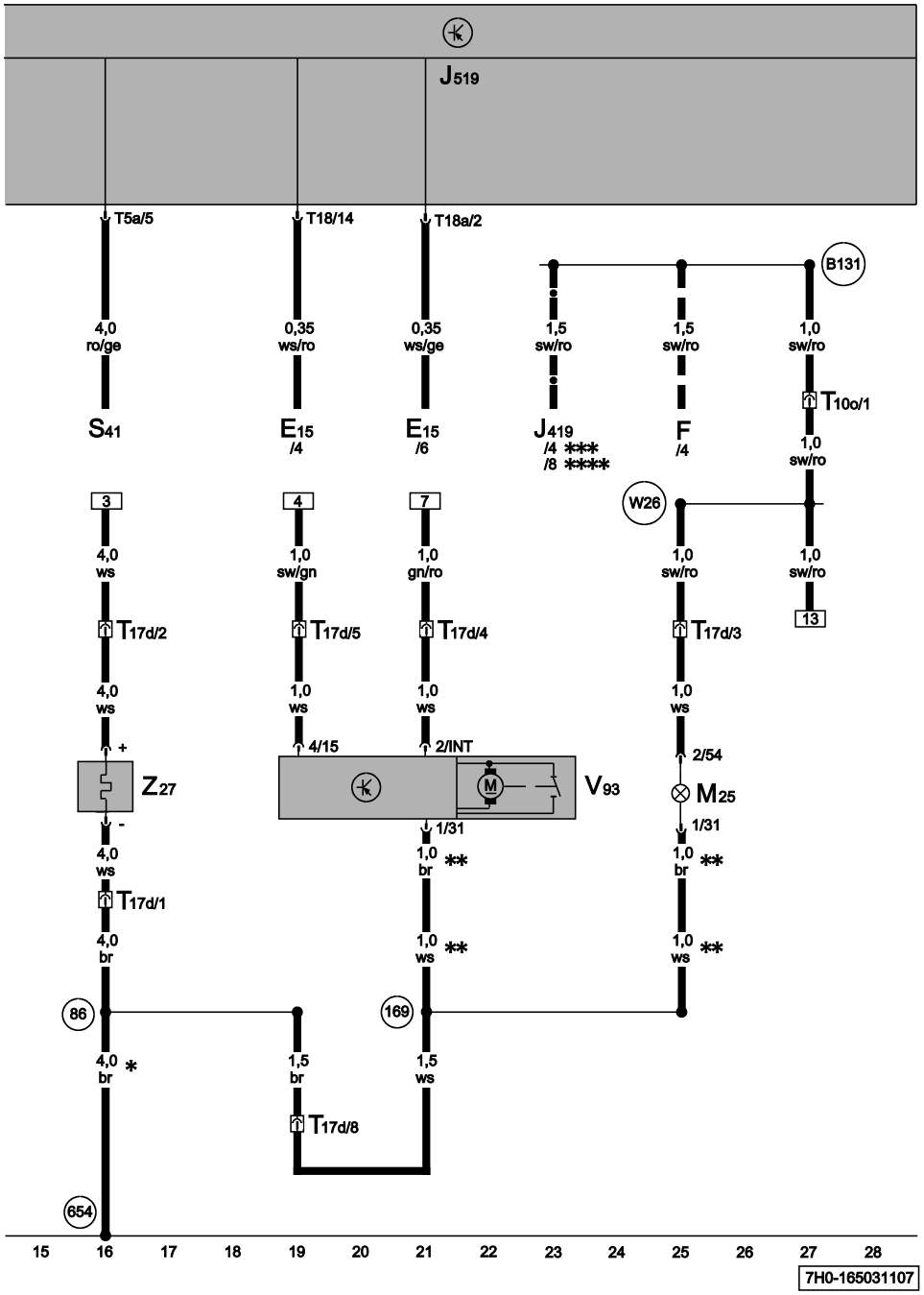
⇒ guided fault finding



Onboard supply control unit, heated rear window in left wing door, rear left wing door window wiper motor, number plate light

E34	Rear wiper switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder B
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
X	Number plate light
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B265	Connection 2, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B531	Positive connection (75), in roof wiring harness
*	cross-section depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



High-level brake light bulb, rear right wing door window wiper motor, heated rear window in right wing door

E15	Heated rear window switch
F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M25	High level brake light bulb
S41	Heated rear window fuse
T5a	5-pin connector, brown
T10o	10-pin connector, light-green, coupling station under driver seat
T17d	17-pin connector, black, coupling station on right of D-pillar
T18	18-pin connector, black
T18a	18-pin connector, brown
V93	Rear right wing door window wiper motor
Z27	Right wing door heated rear window
86	Earth connection 1, in rear wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
*	wire cross section are equipment dependant
**	Depends on equipment
***	only models without serial trailer towing coupling
****	only models with serial trailer towing coupling

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>
for models without ESP only

<fo:external-graphic src="../PDOC/
for models with ESP only

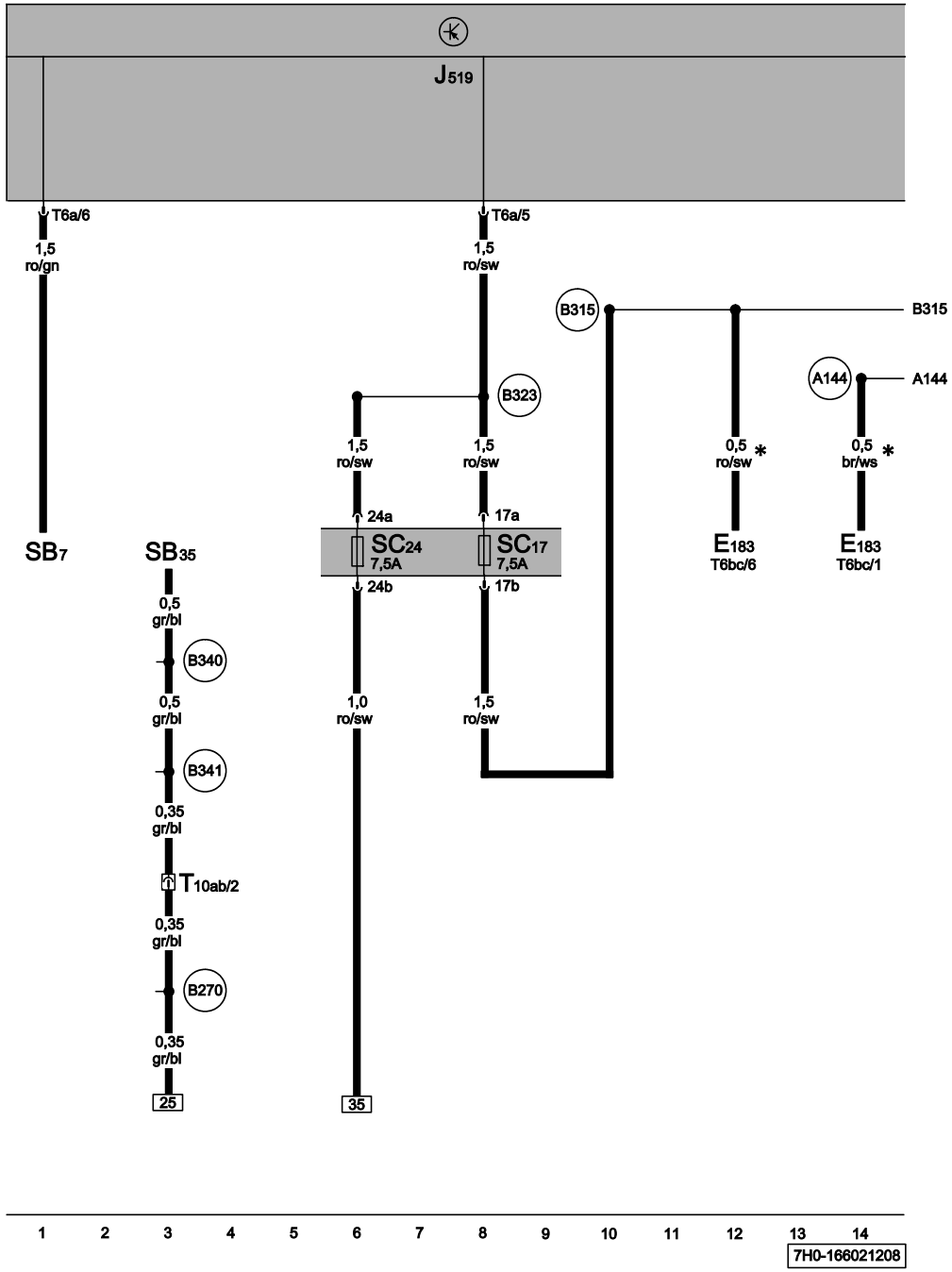
Interior lighting for box-type delivery van or hybrid vehicle with roof console in headlining

⇒ **Interior light concept standard 9CU**
⇒ **Middle hight roof/ high roof 3R1/3R2/3R6/3R8**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

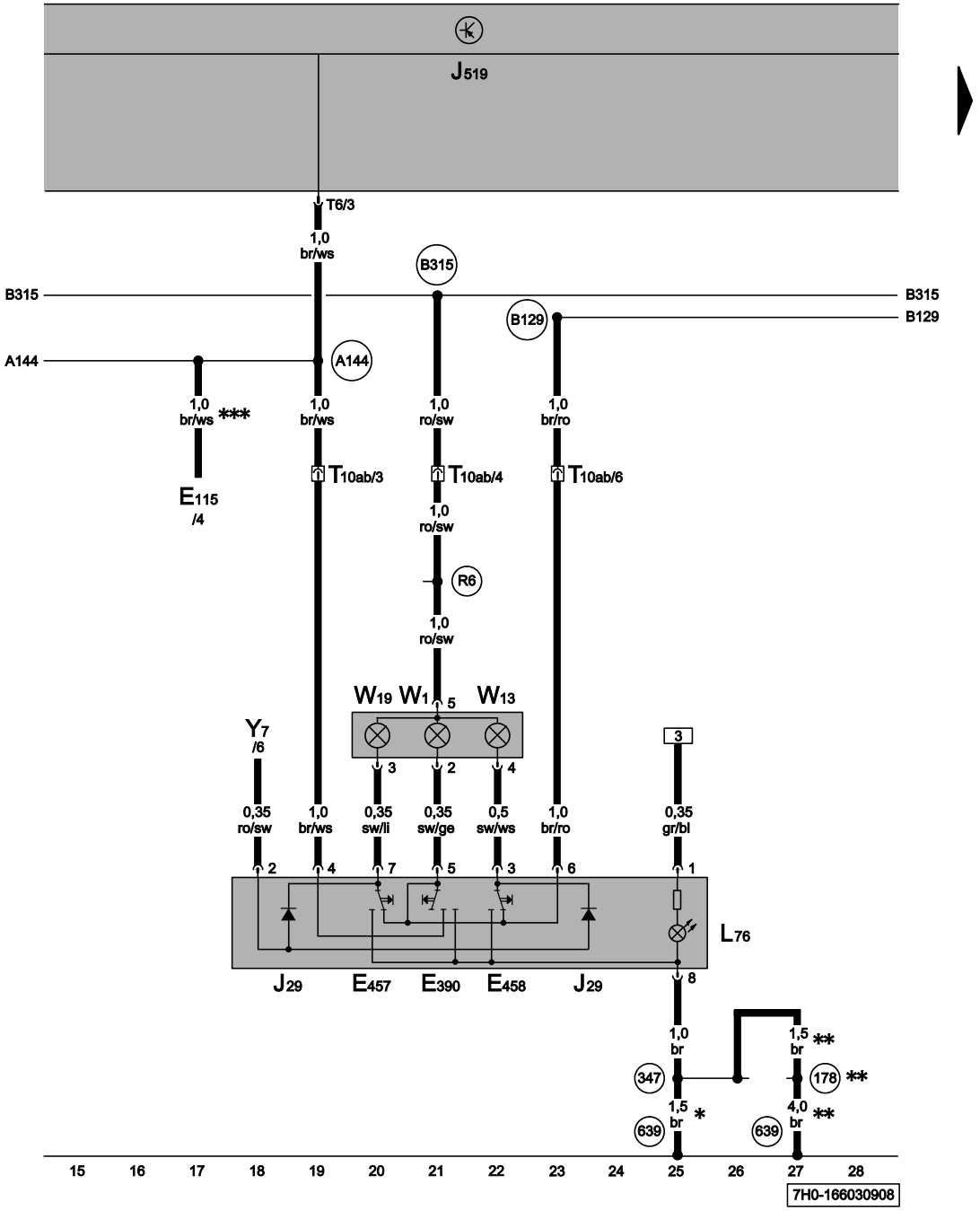
⇒ guided fault finding



Fuses, interior monitor deactivation switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ

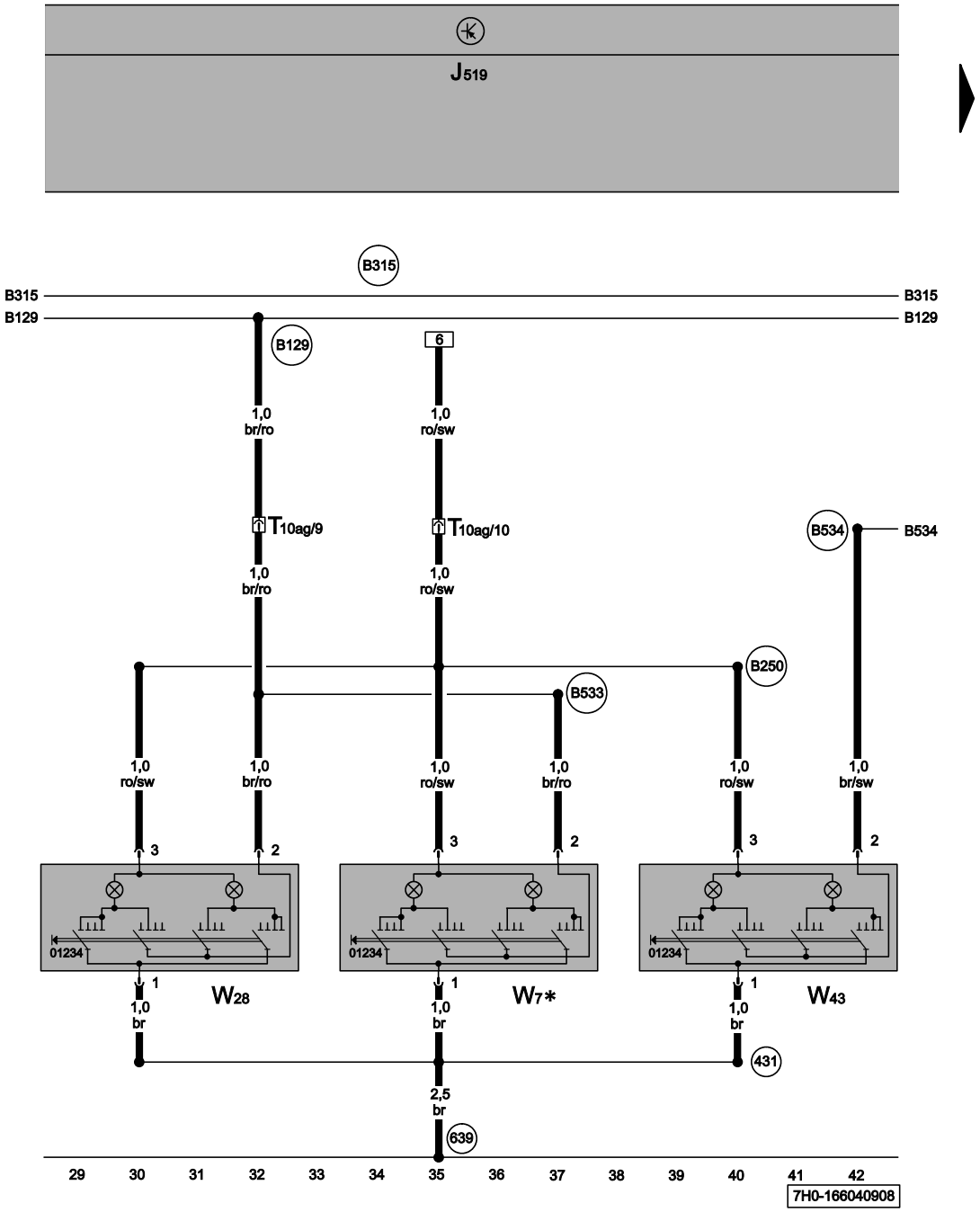
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

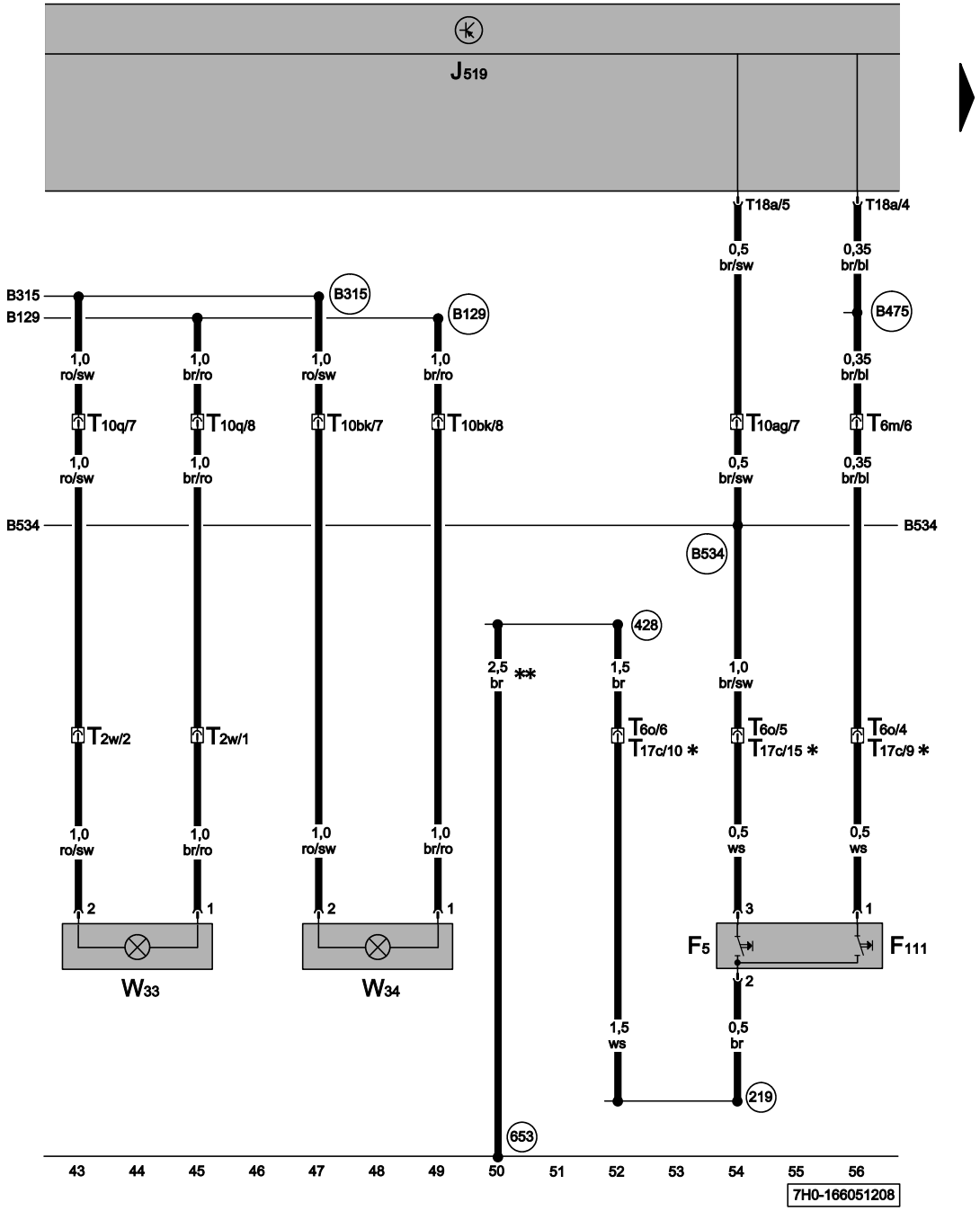
E115	Interior light switch (taxi)
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with taxi equipment only, applicable from November 2007



Front interior light, centre and rear (for models with sliding doors only)

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with high roof only

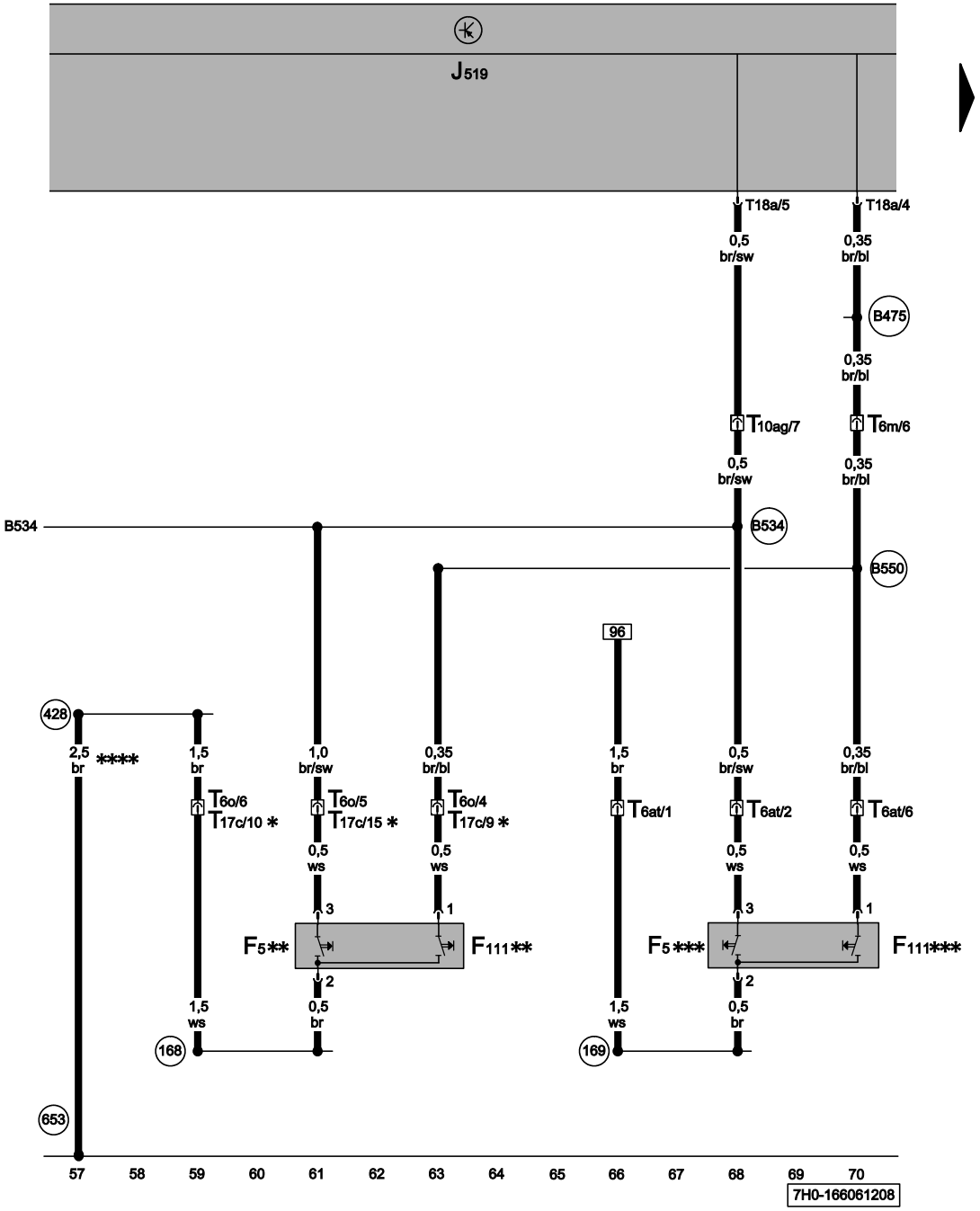
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

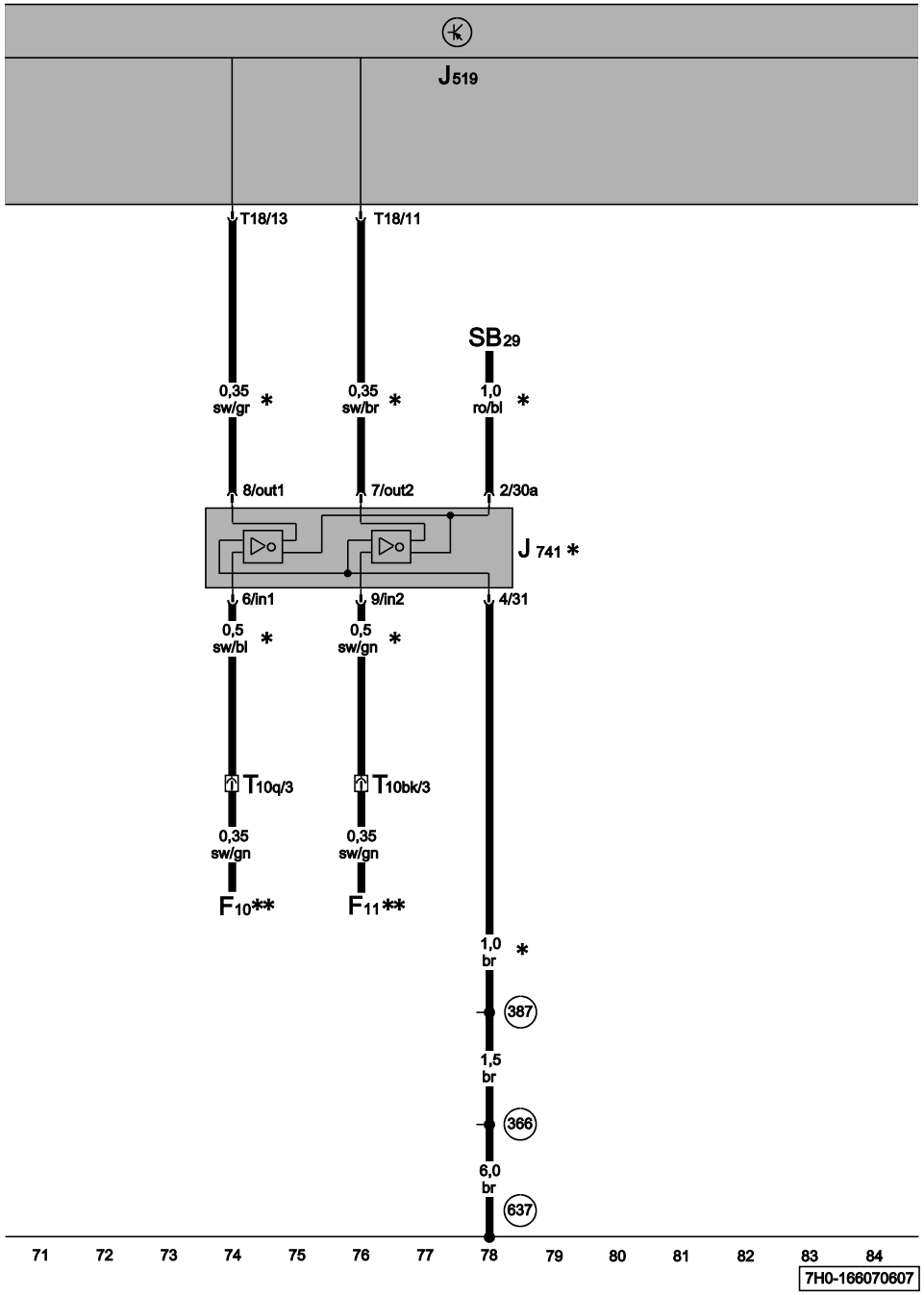
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	cross-section depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

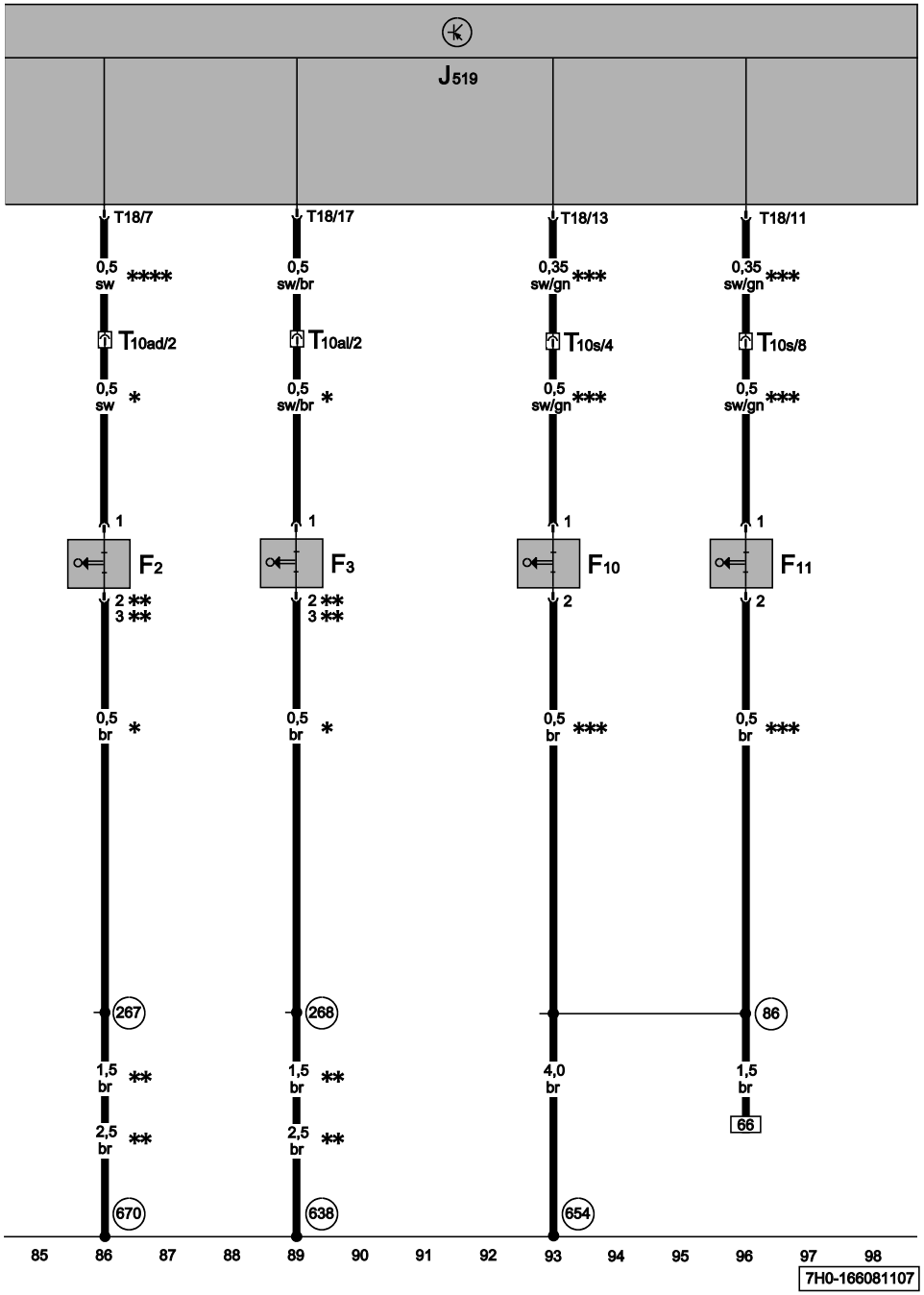
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

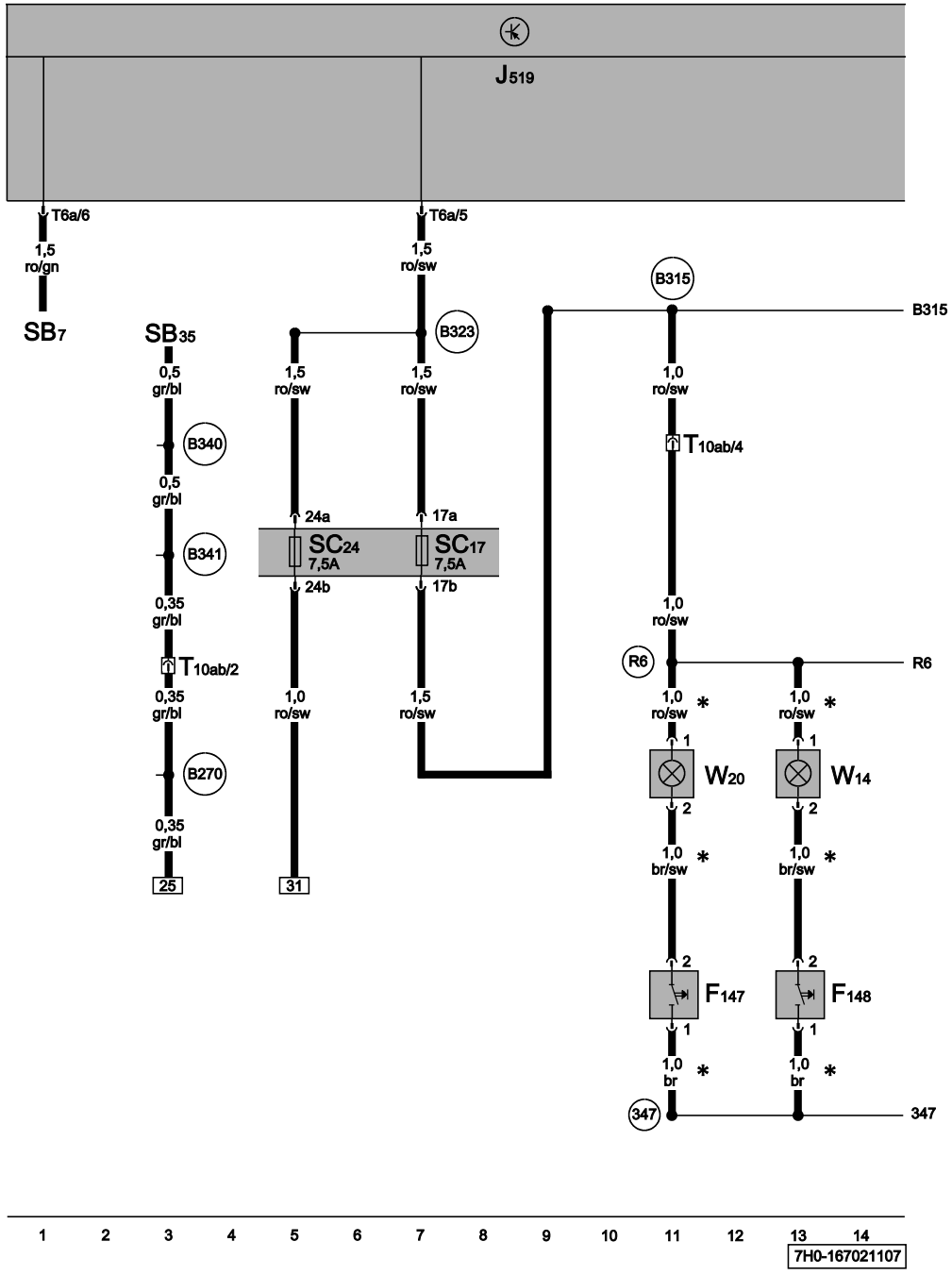
Interior lighting camper and multivan

⇒ **Interior light concept camper/multivan 9CD/9CH**
⇒ **Camper/multivan/business A8E/A8L/A8Q/A8R/A8Z/A9Y**
⇒ **Illuminated vanity mirror**
⇒ **Luggage compartment light**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

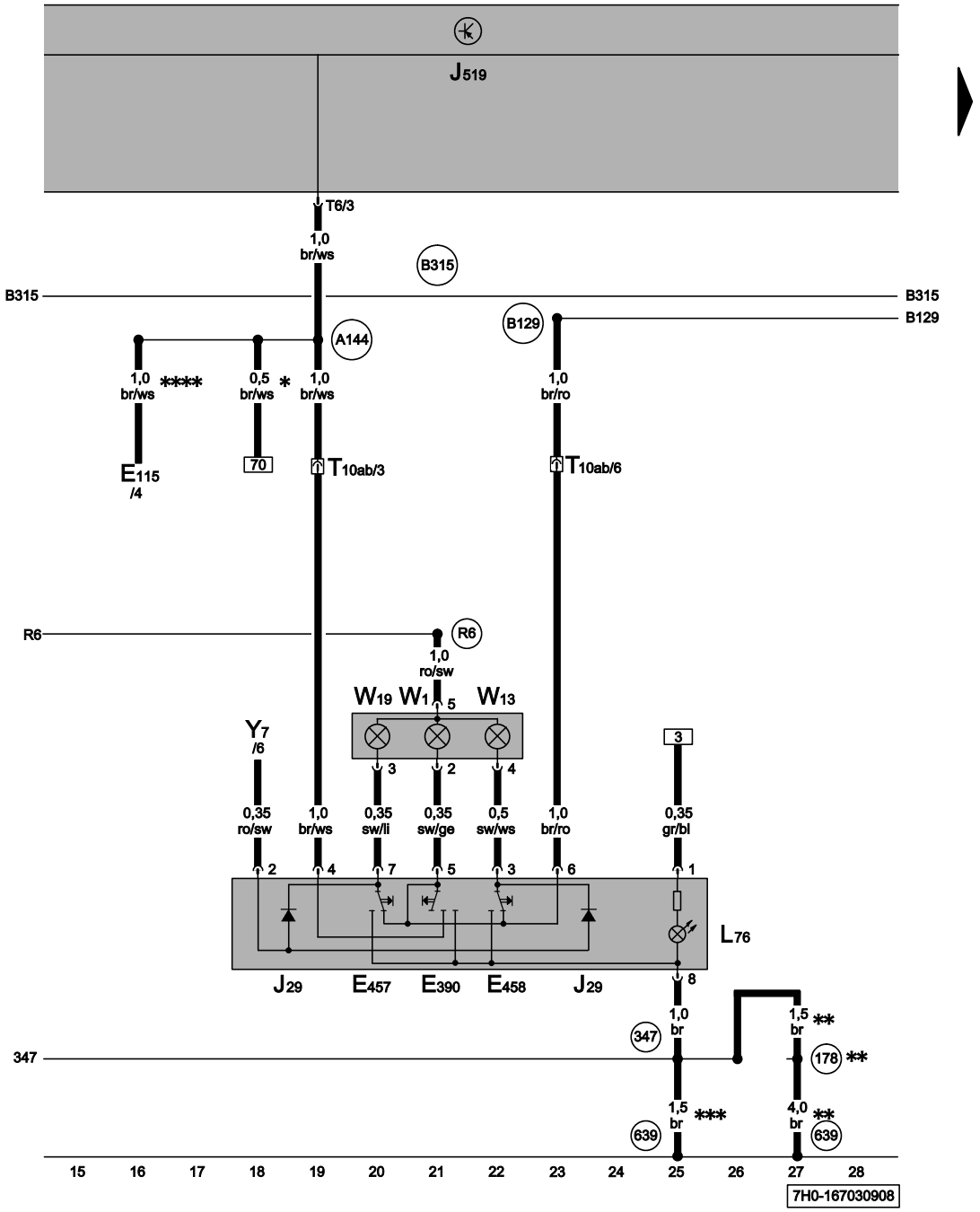
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, illuminated vanity mirror

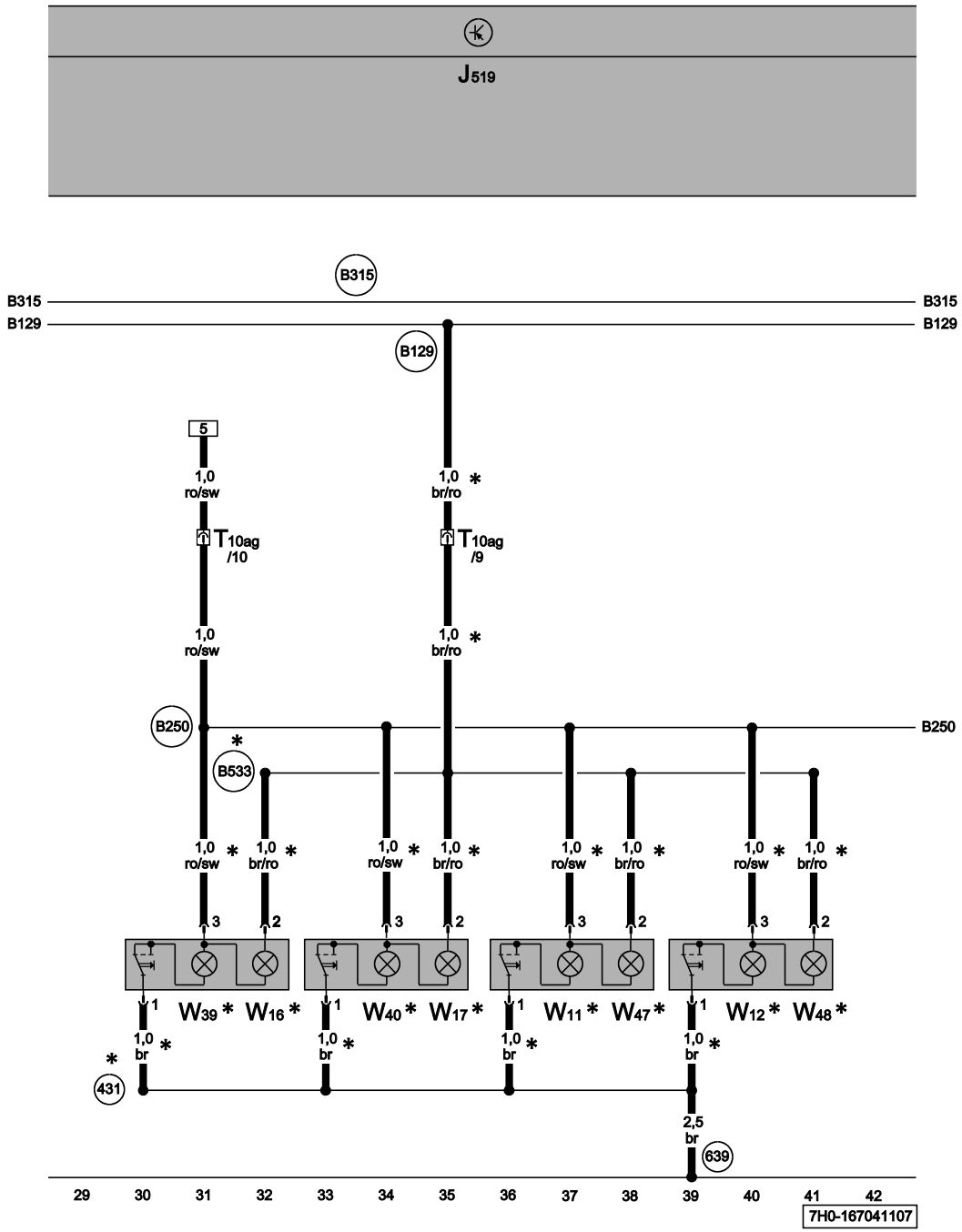
F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
347	Earth connection, in roof wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	models with illuminated vanity mirror only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

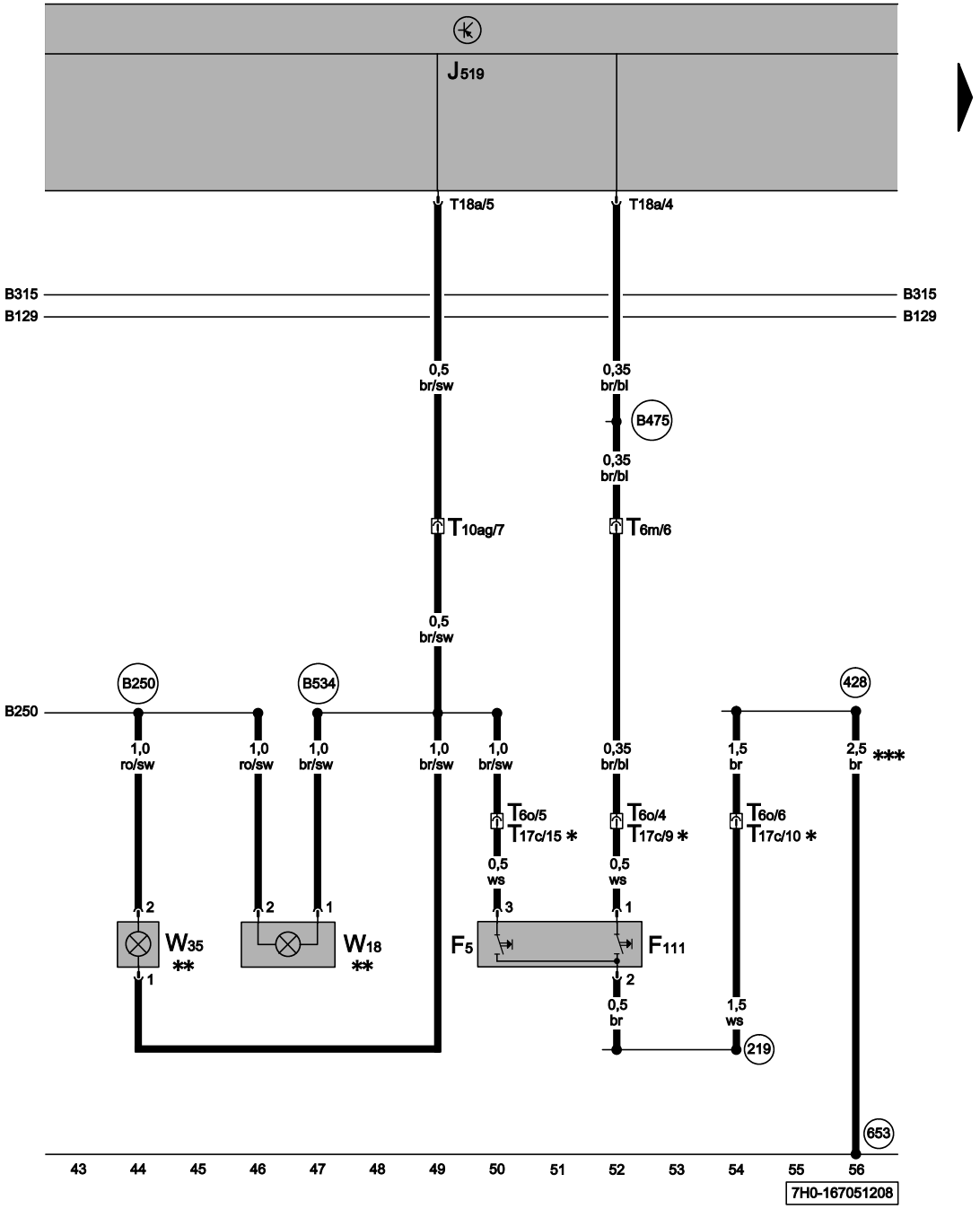
E115	Interior light switch (taxi)
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with sliding/tilting sunroof
***	for models without sliding/tilting sunroof
****	for models with taxi equipment only, applicable from November 2007



Rear interior lights, centre and rear reading lights

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W39	Left centre reading light
W40	Right centre reading light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	For Multivan only

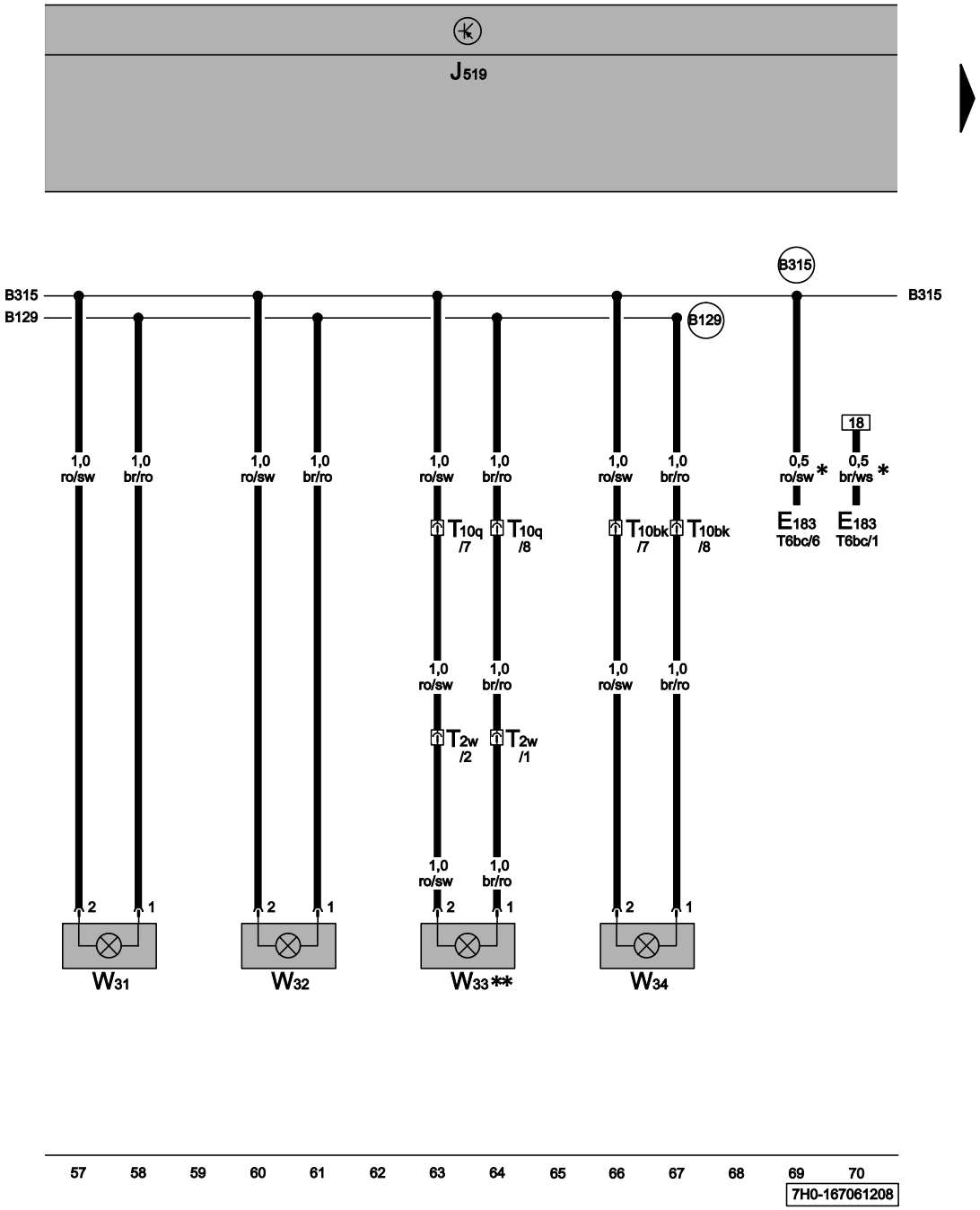
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Luggage compartment light switch, luggage compartment light on left and right

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
W35	Right luggage compartment light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	depends on equipment
***	cross-section depends on equipment

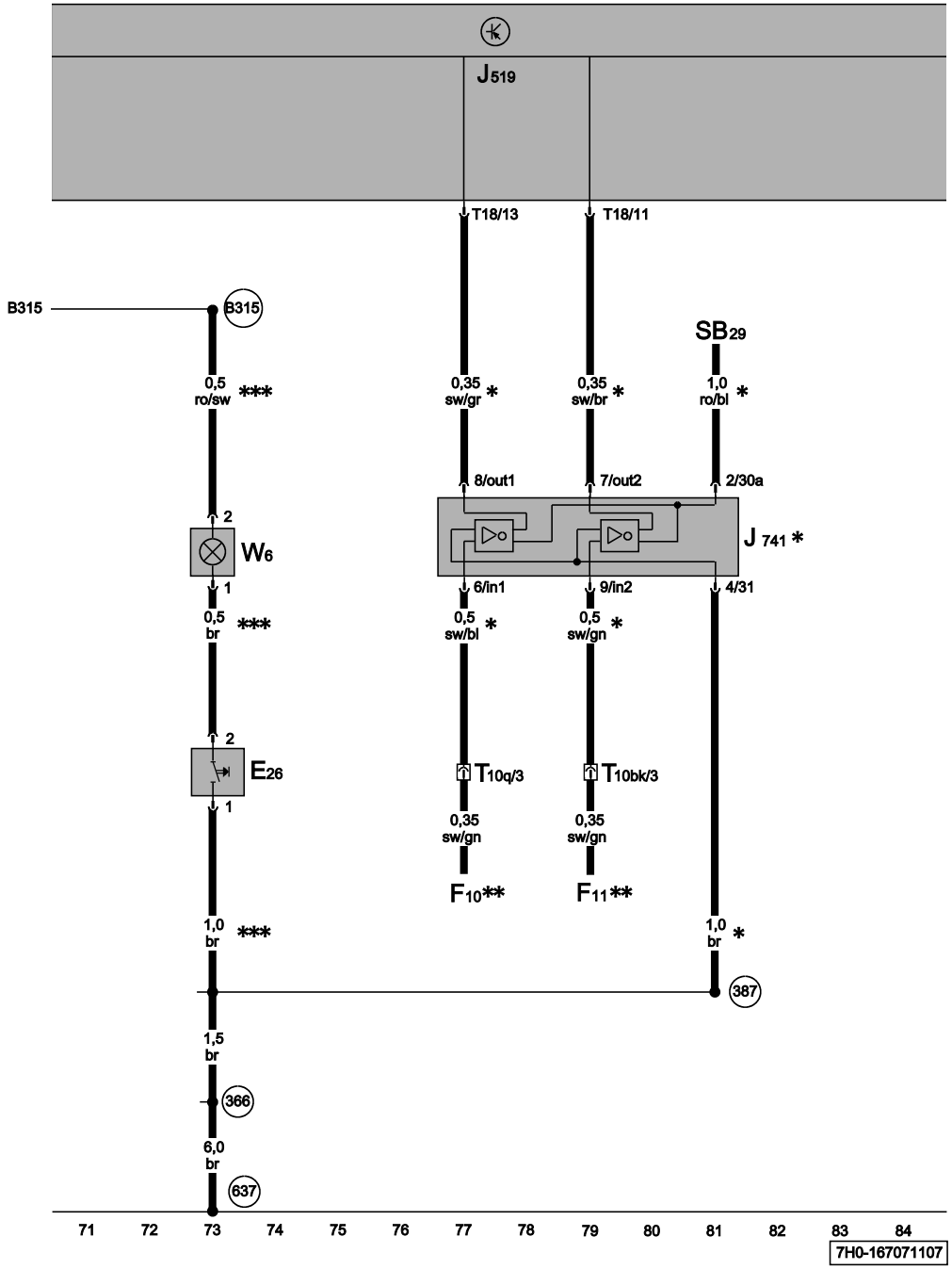
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Front and rear entry lights, interior monitoring switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6bc	6-pin connector, blue
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
W31	Front left entry light
W32	Front right entry light
W33	Rear left entry light
W34	Rear right entry light
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	For Multivan only

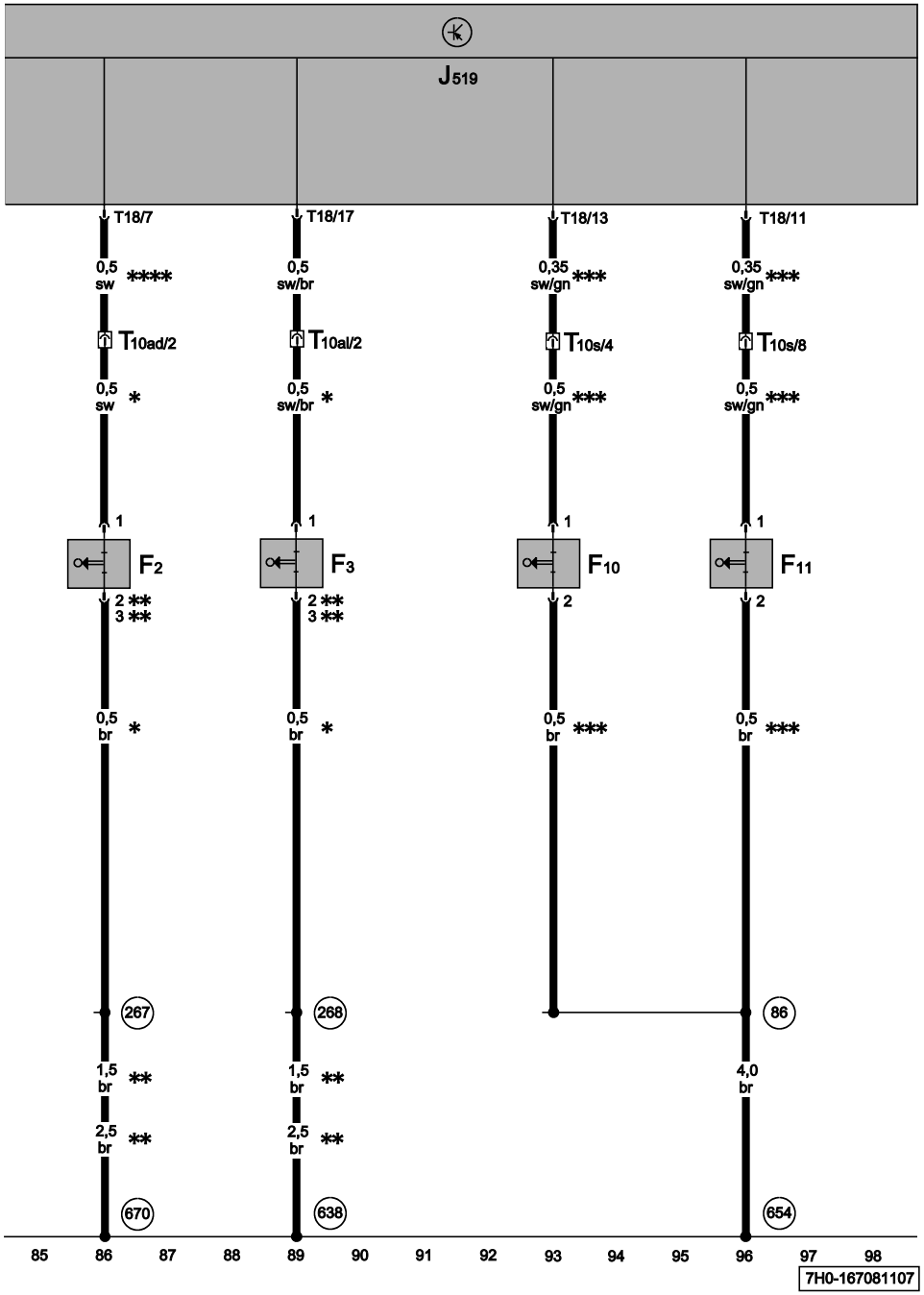
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Dual signal inverter relay, glove compartment light, glove compartment light switch

E26	Glove compartment light switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
W6	Glove compartment light
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B315	Positive connection 1 (30a), in main wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system
***	for models with glove compartment light only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

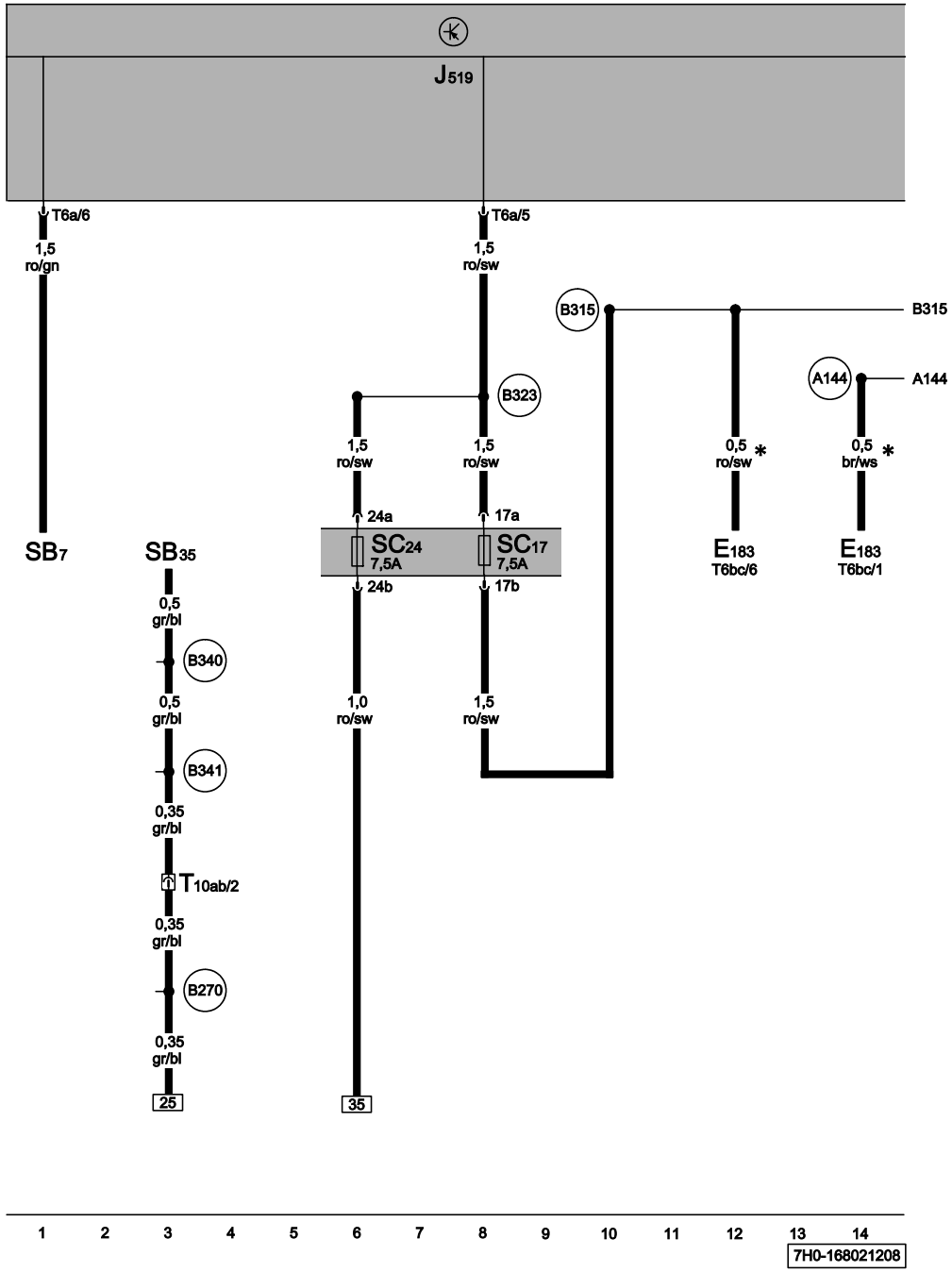
Shuttle interior lighting/ caravelle with roof console in headlining

⇒ **Interior light concept shuttle 9CK**
⇒ **Shuttle/caravelle A9K/A9W**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

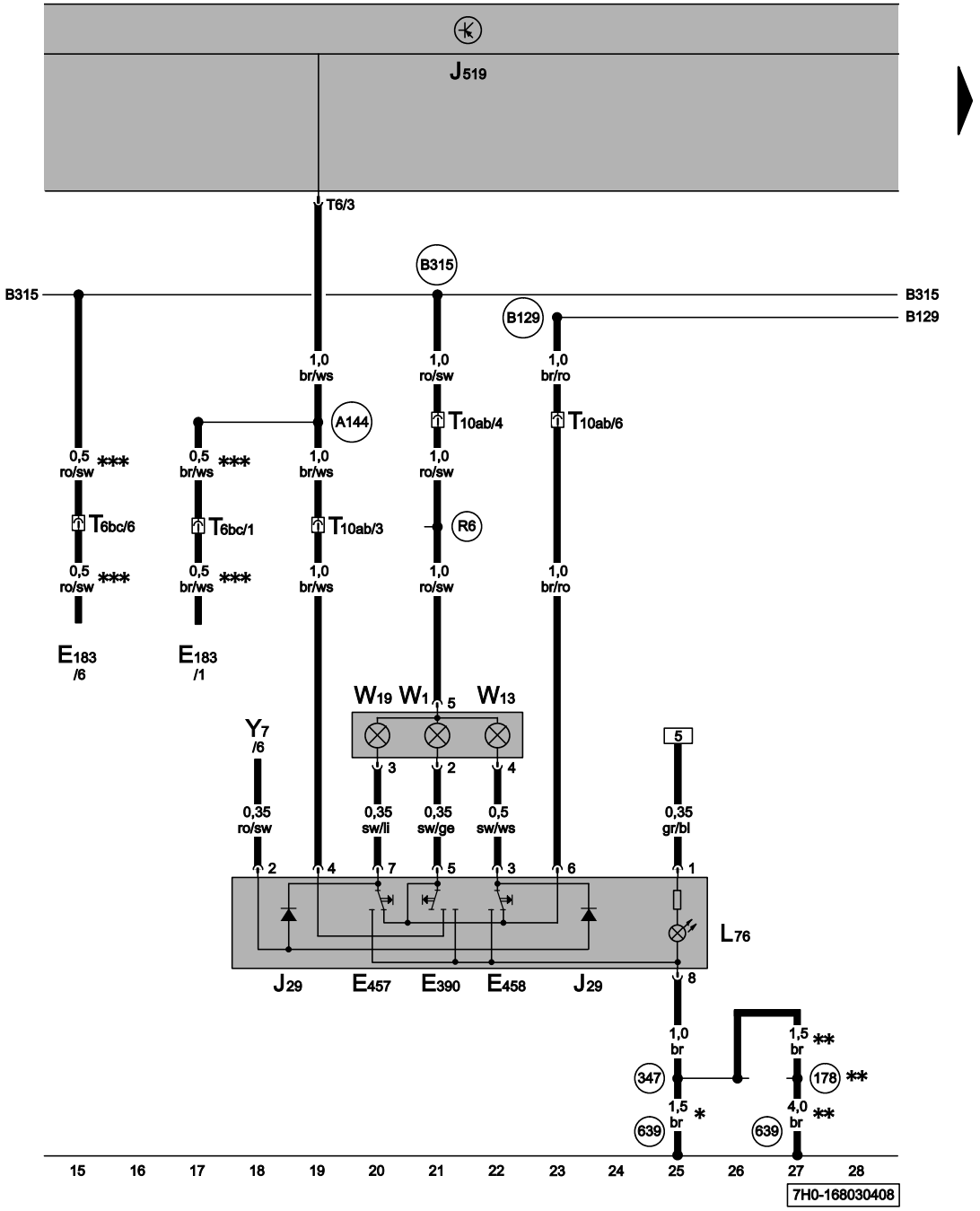
⇒ guided fault finding



Fuses, interior monitor deactivation switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ

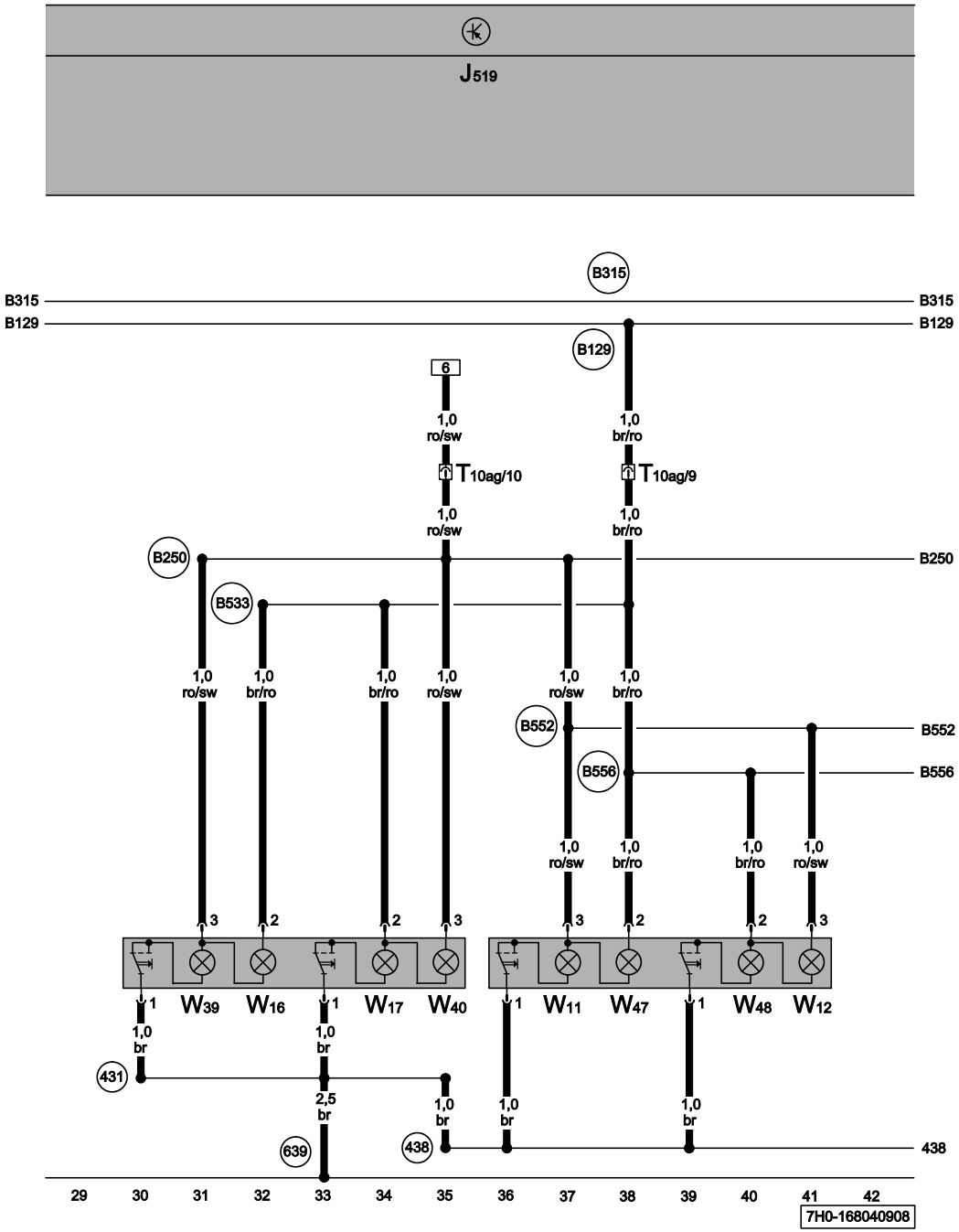
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

E115	Interior light switch (taxi)
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with taxi equipment only, applicable from November 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left and right interior lights, rear interior lights, centre and rear reading lights

J519 Onboard supply control unit
T10ag 10-pin connector, brown, coupling station on left of A-pillar
W11 Rear left reading light
W12 Rear right reading light
W16 Left interior light
W17 Right interior light
W39 Left centre reading light
W40 Right centre reading light
W47 Rear left interior light
W48 Rear right interior light

431 Earth connection 2, in roof wiring harness

438 Earth connection 3, in roof wiring harness

639 Earth point, left A-pillar

B129 Connection (interior light, 31l), in interior wiring harness

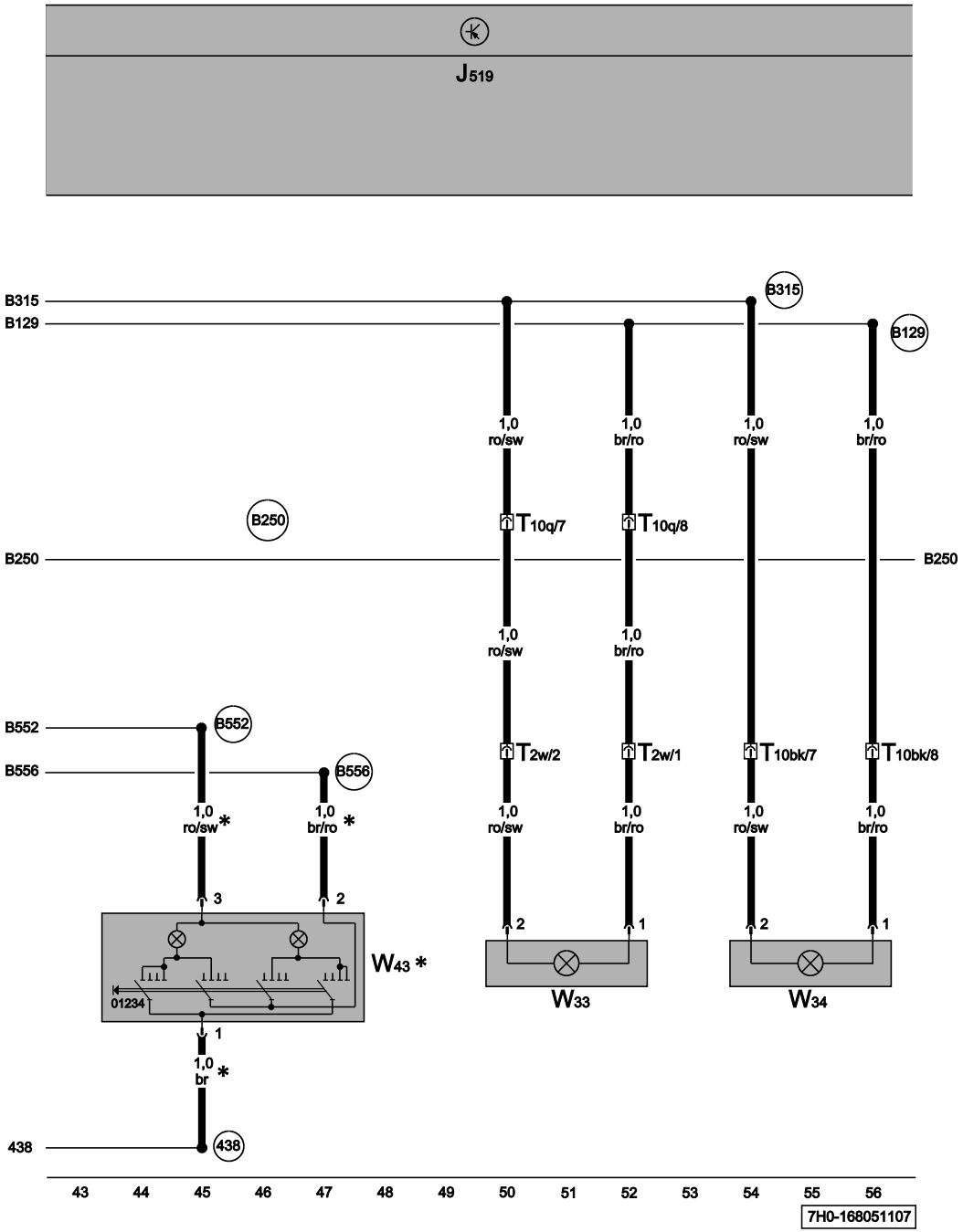
B250 Positive connection in roof wiring harness

B315 Positive connection 1 (30a), in main wiring harness

B533 Connection 1 (DCt), in roof wiring harness

B552 Positive connection 2, in roof wiring harness

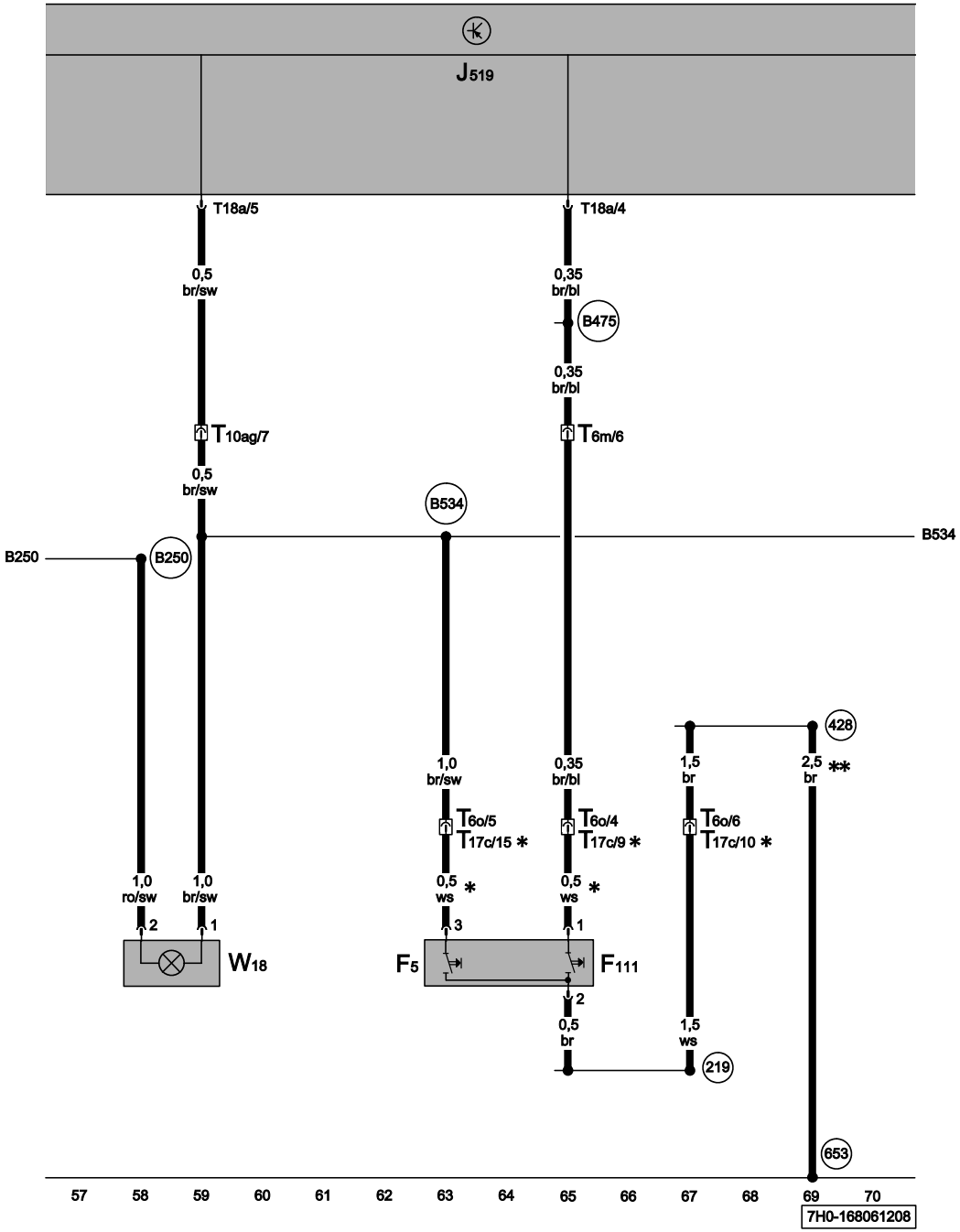
B556 Connection 2 (DCt), in roof wiring harness



Rear entry lights, rear interior light

J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
W33	Rear left entry light
W34	Rear right entry light
W43	Rear interior light
438	Earth connection 3, in roof wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness
B556	Connection 2 (DCt), in roof wiring harness
*	for models with long wheel base only

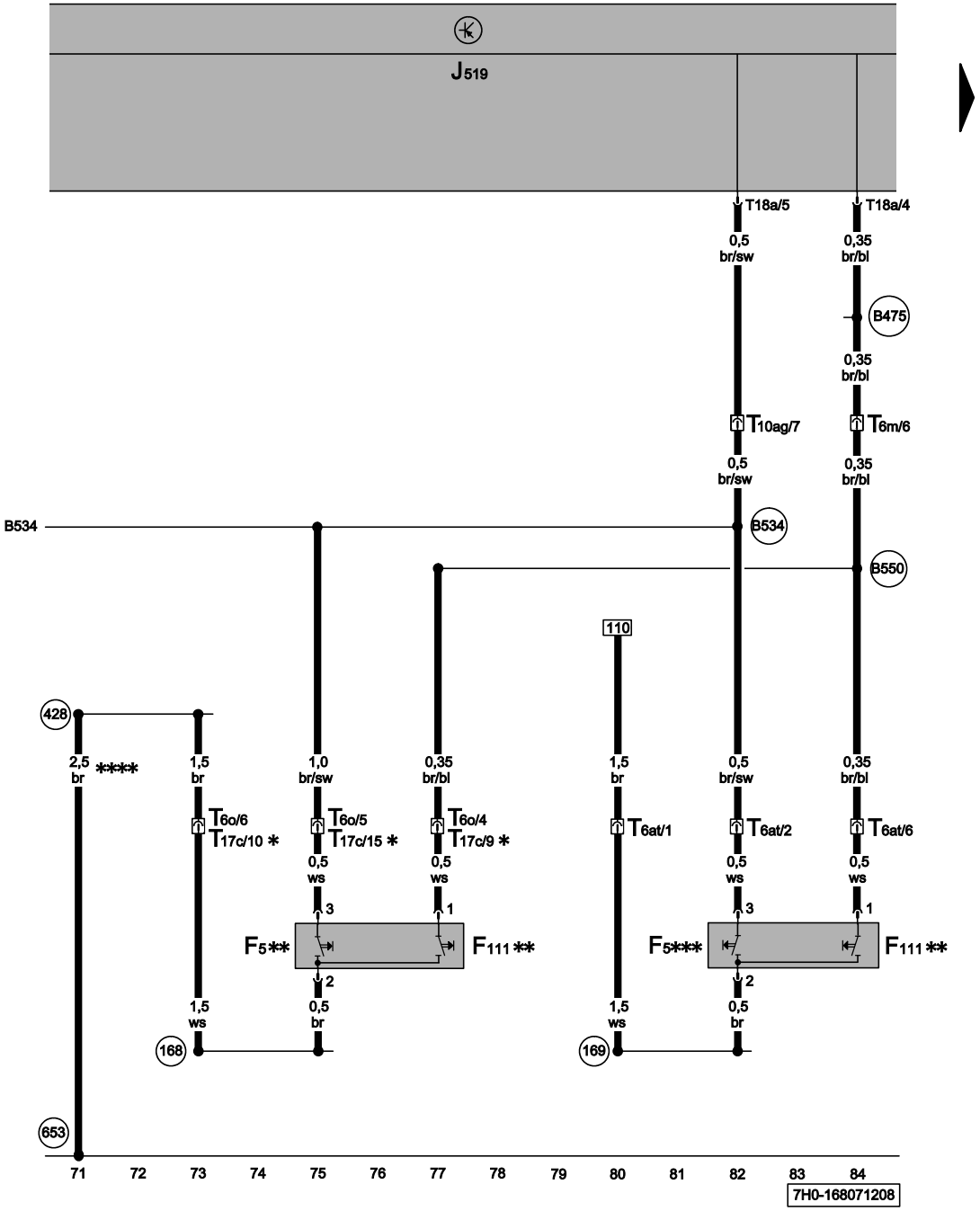
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), luggage compartment light

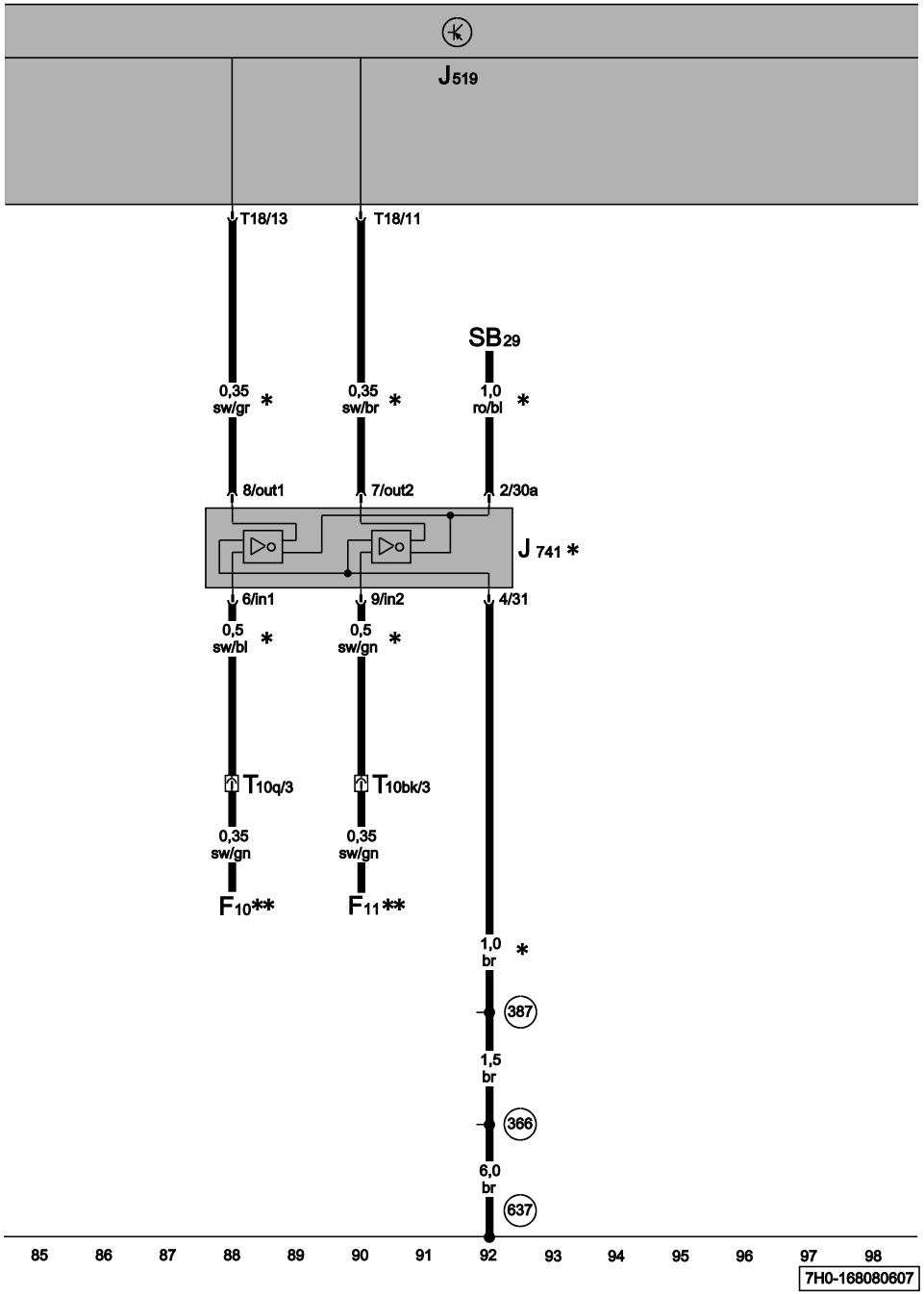
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	cross-section depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

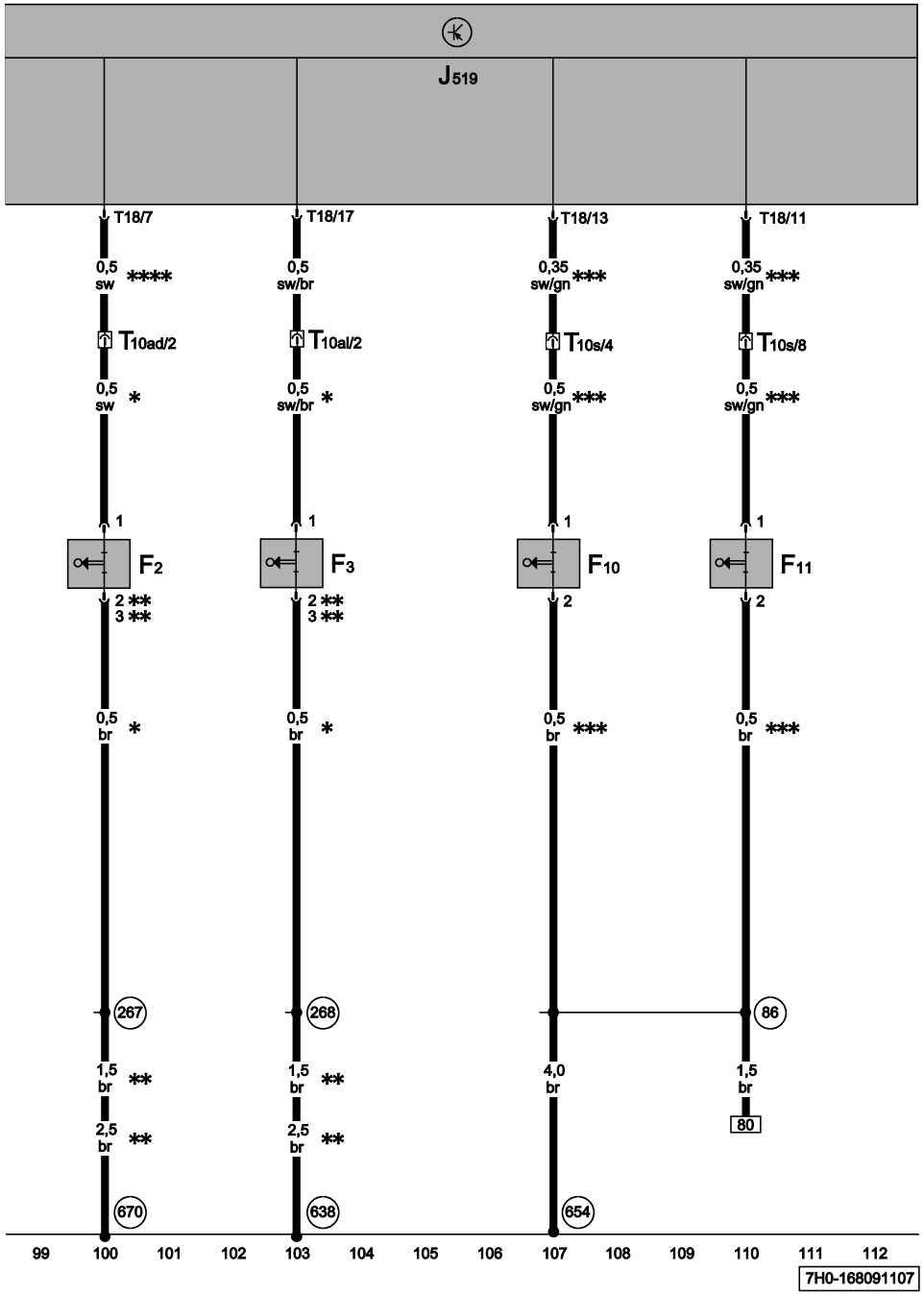
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

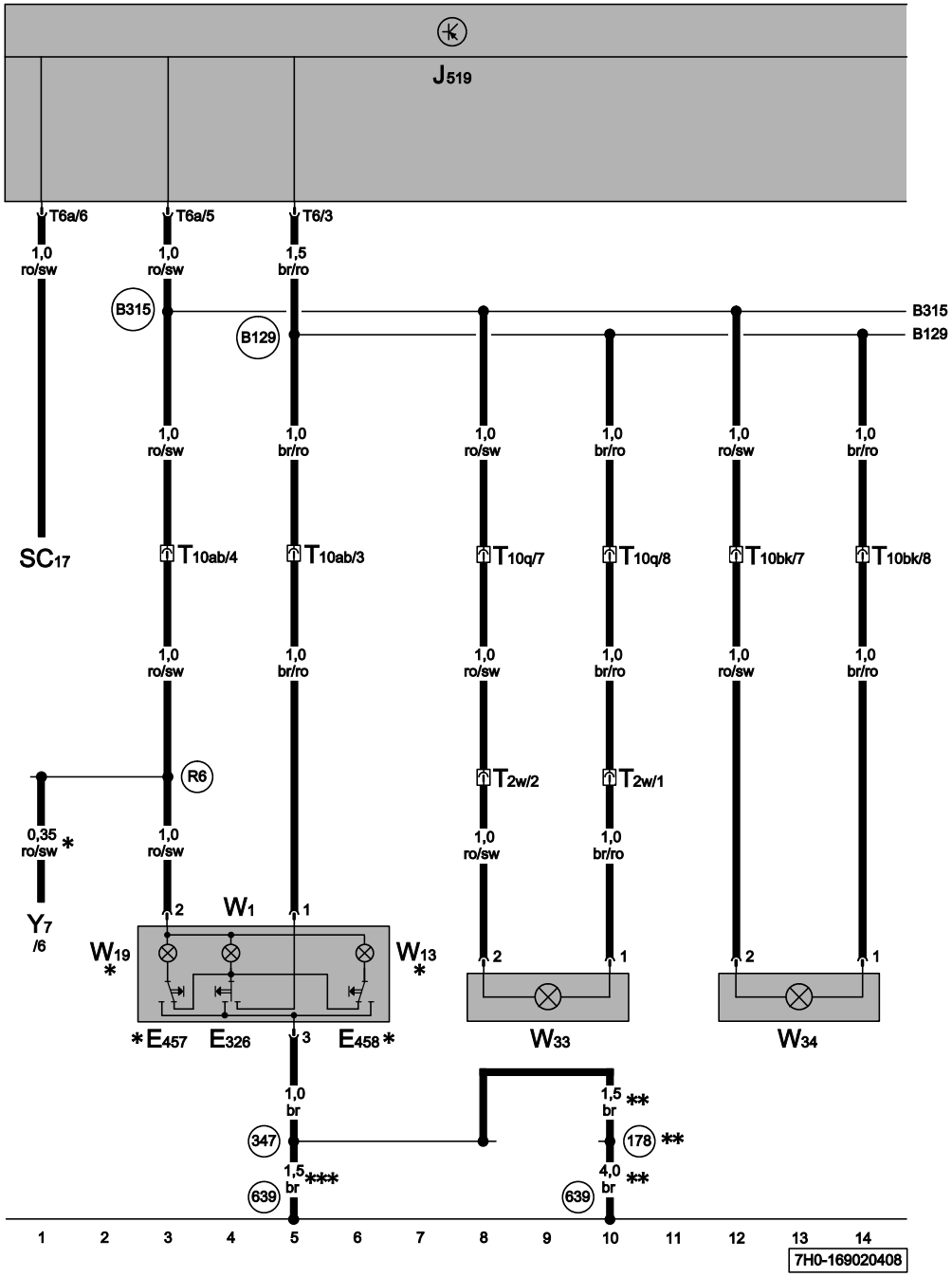
Shuttle interior lighting/ caravelle, without roof console, without air conditioning system operating (control) unit in headliner

⇒ **Interior light concept shuttle 9CK**
⇒ **Shuttle/caravelle A9K/A9W**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

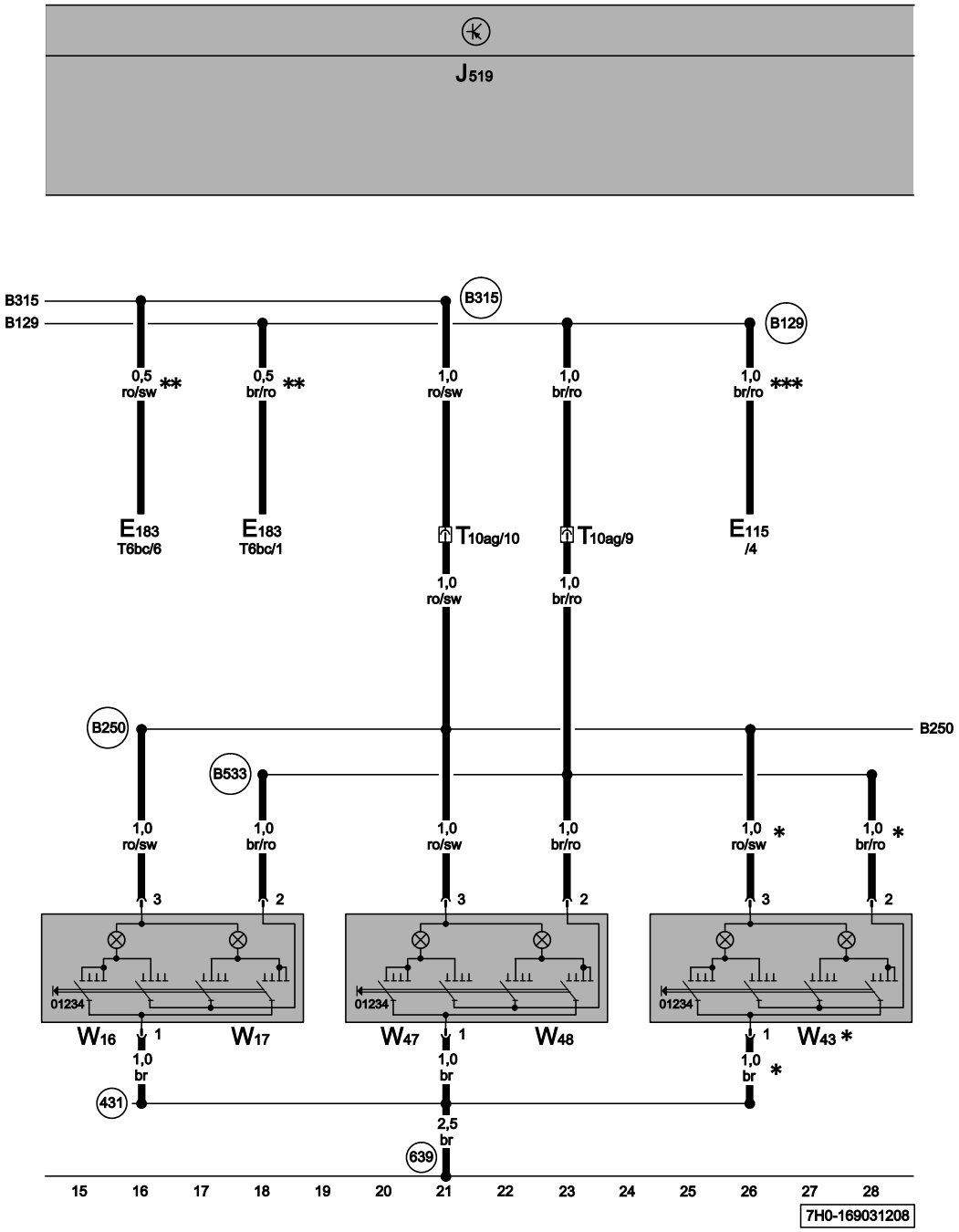
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, reading lights, rear entry lights

E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T2w	2-pin connector, black, lower left B-pillar
T6	6-pin connector, black
T6a	6-pin connector, brown
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	depends on equipment
**	for models with sliding/tilting sunroof
***	for models without sliding/tilting sunroof



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left and right interior lights, rear interior lights, interior monitoring switch

E115 Interior light switch (taxi)
E183 Interior monitor deactivation switch
J519 Onboard supply control unit
T6bc 6-pin connector, blue
T10ag 10-pin connector, brown, coupling station on left of A-pillar
W16 Left interior light
W17 Right interior light
W43 Rear interior light
W47 Rear left interior light
W48 Rear right interior light

431 Earth connection 2, in roof wiring harness

639 Earth point, left A-pillar

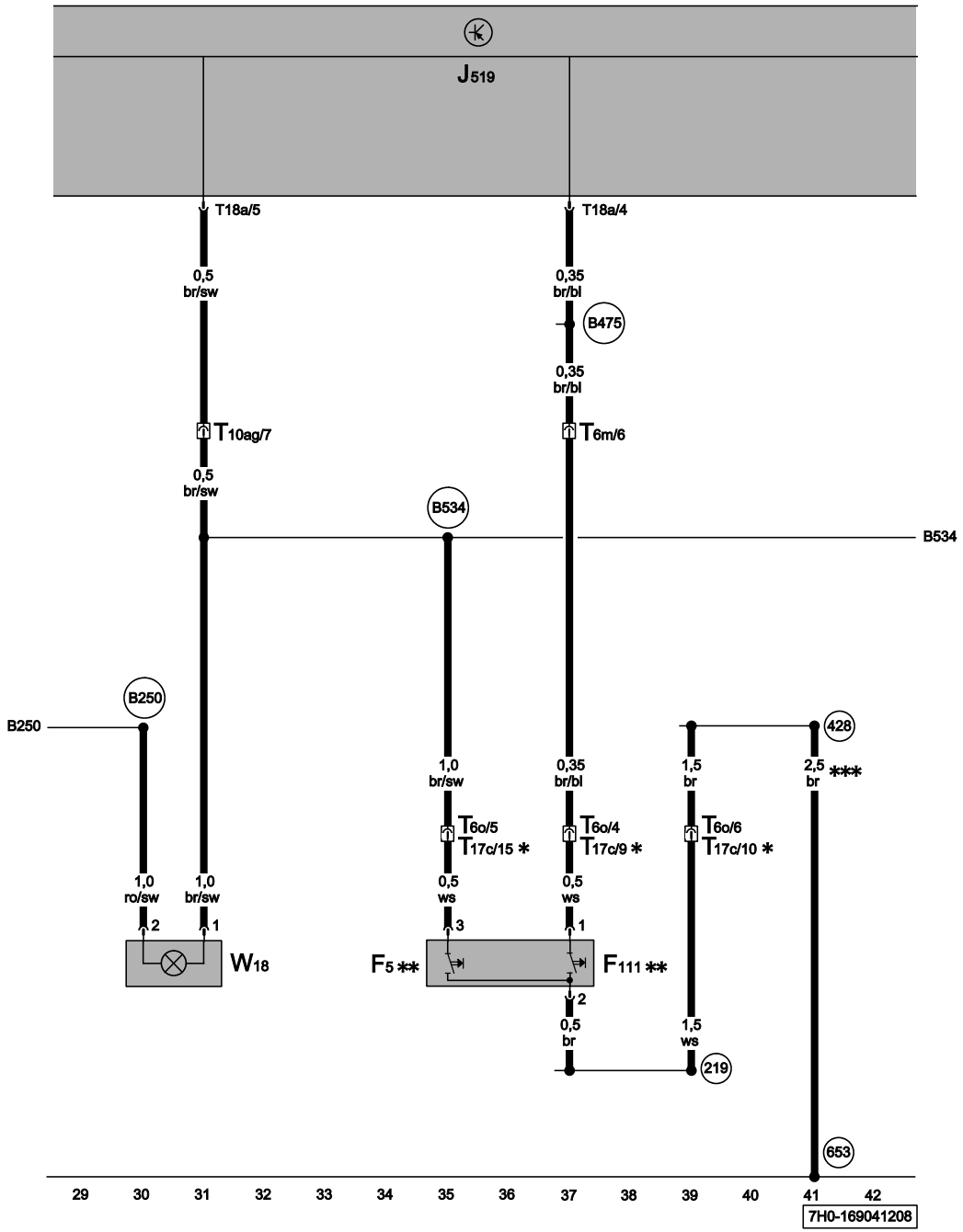
B129 Connection (interior light, 31l), in interior wiring harness

B250 Positive connection in roof wiring harness

B315 Positive connection 1 (30a), in main wiring harness

B533 Connection 1 (DCt), in roof wiring harness

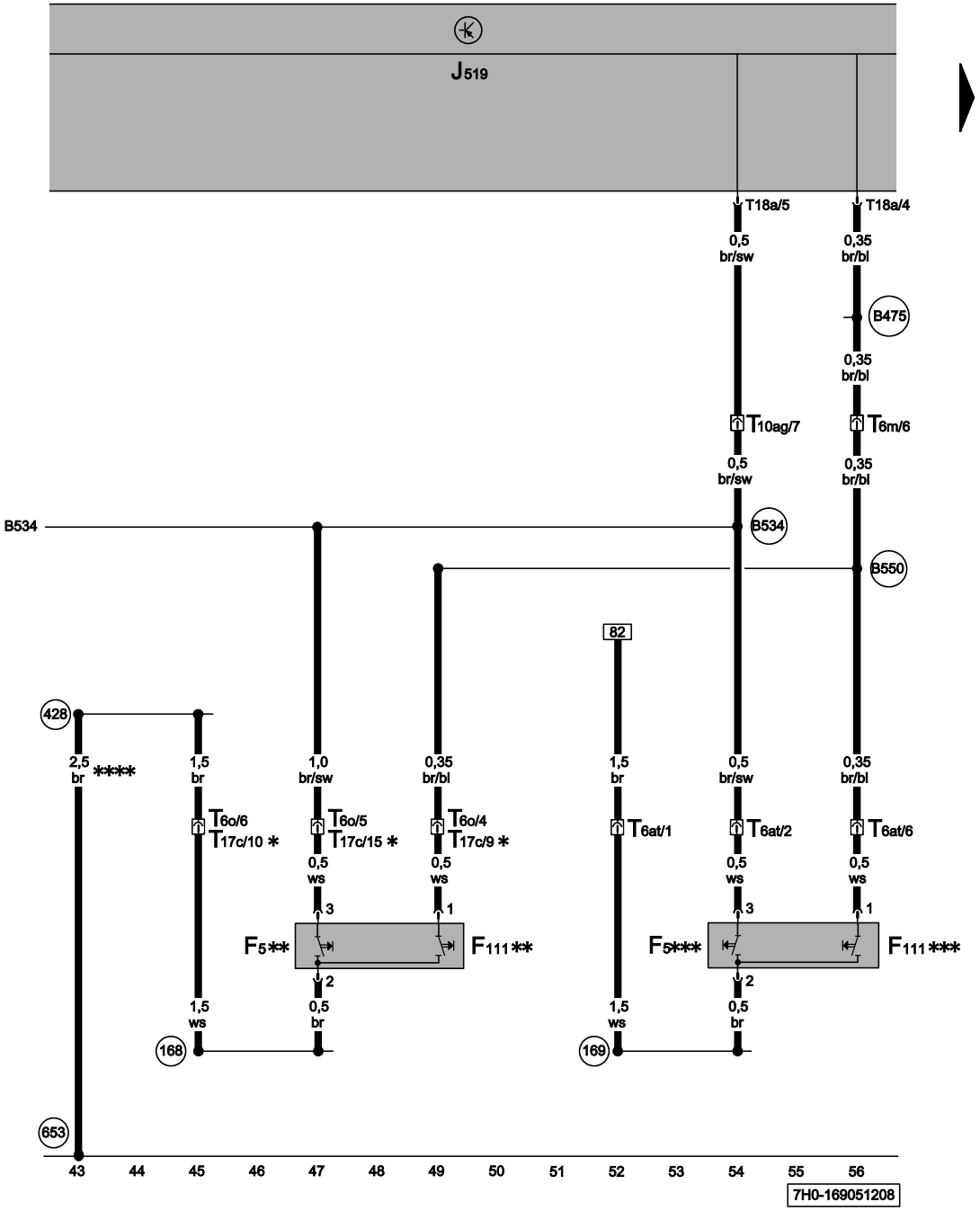
* for models with long wheel base only
** for models with anti-theft alarm system only 7AL/7AQ
*** for models with taxi equipment only, applicable from November 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), luggage compartment light

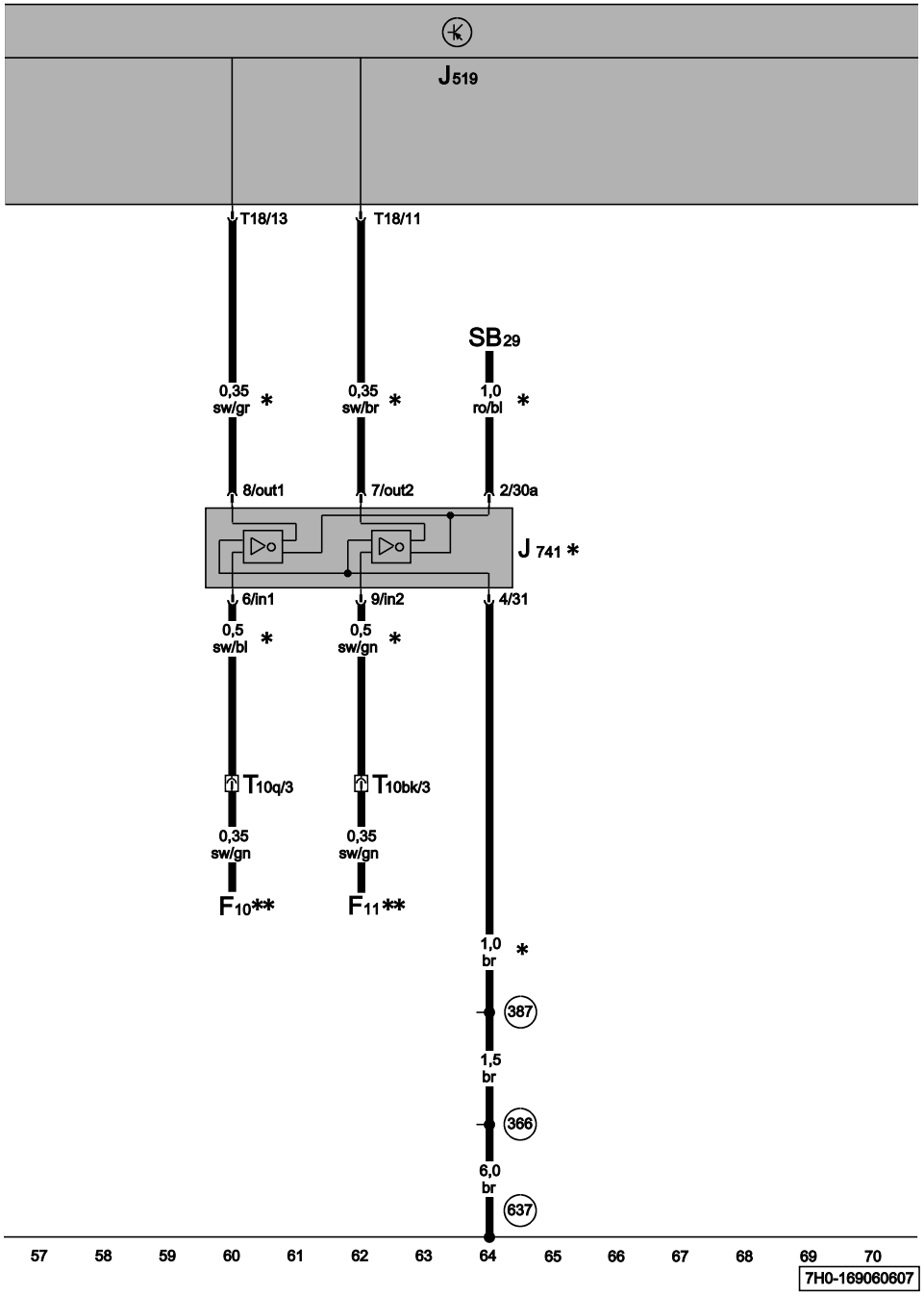
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B250	Positive connection in roof wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	on door lock in rear lid
***	cross-section depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

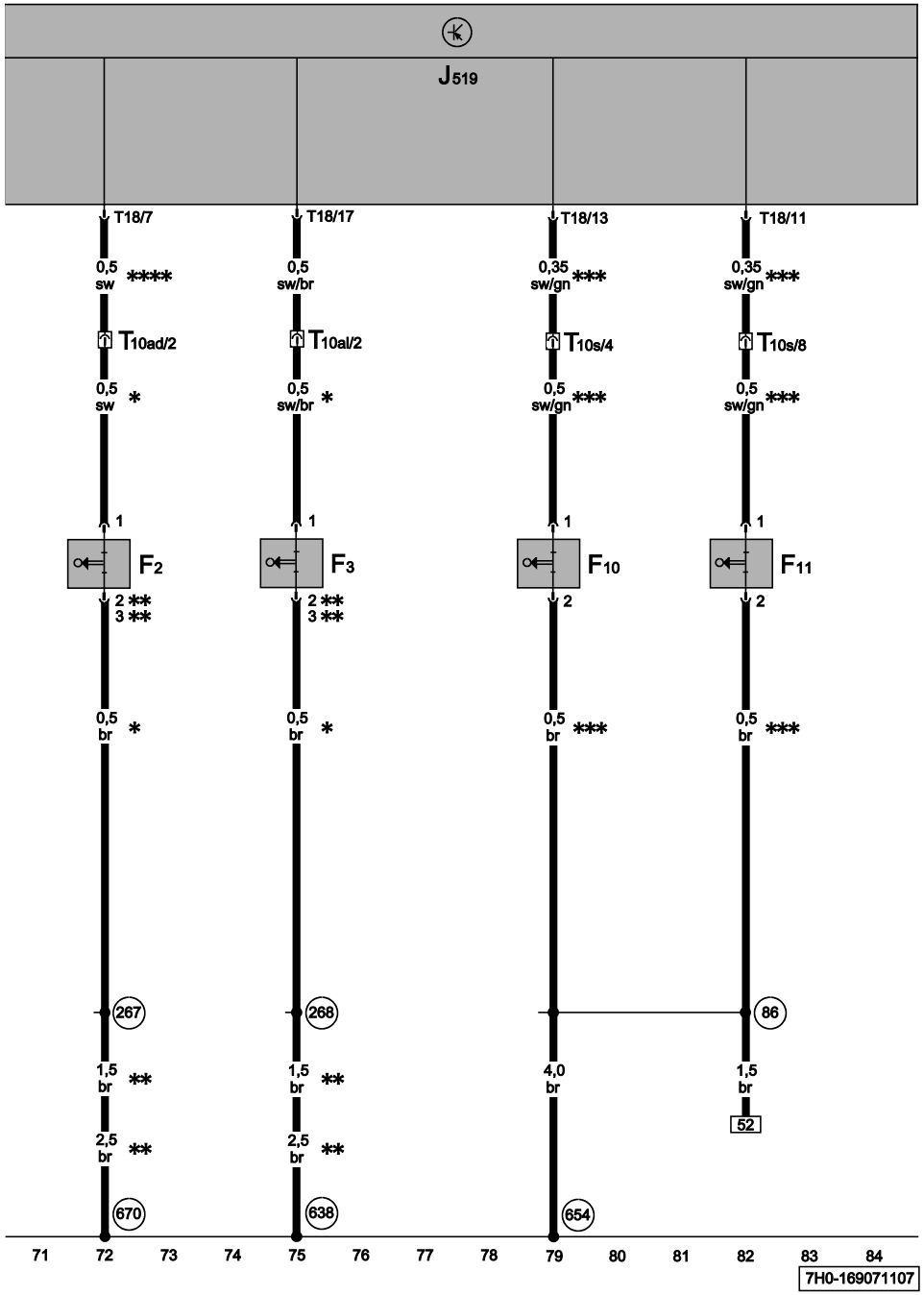
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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ge = yellow
or = orange
rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

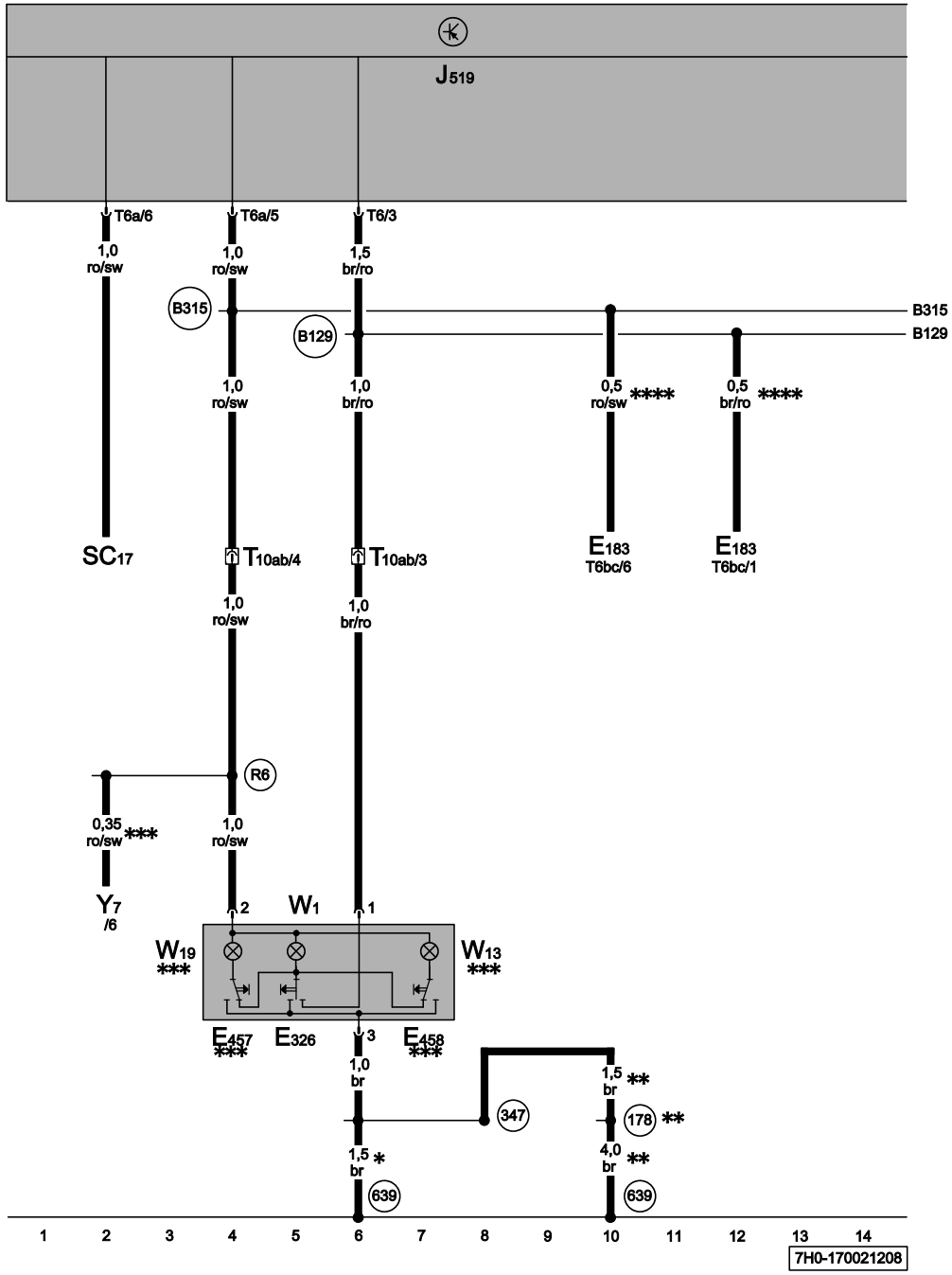
Interior lighting for box-type delivery van or hybrid vehicle without roof console in headlining

⇒ **Interior light concept standard 9CU**
⇒ **Middle hight roof/ high roof 3R1/3R2/3R6/3R8**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

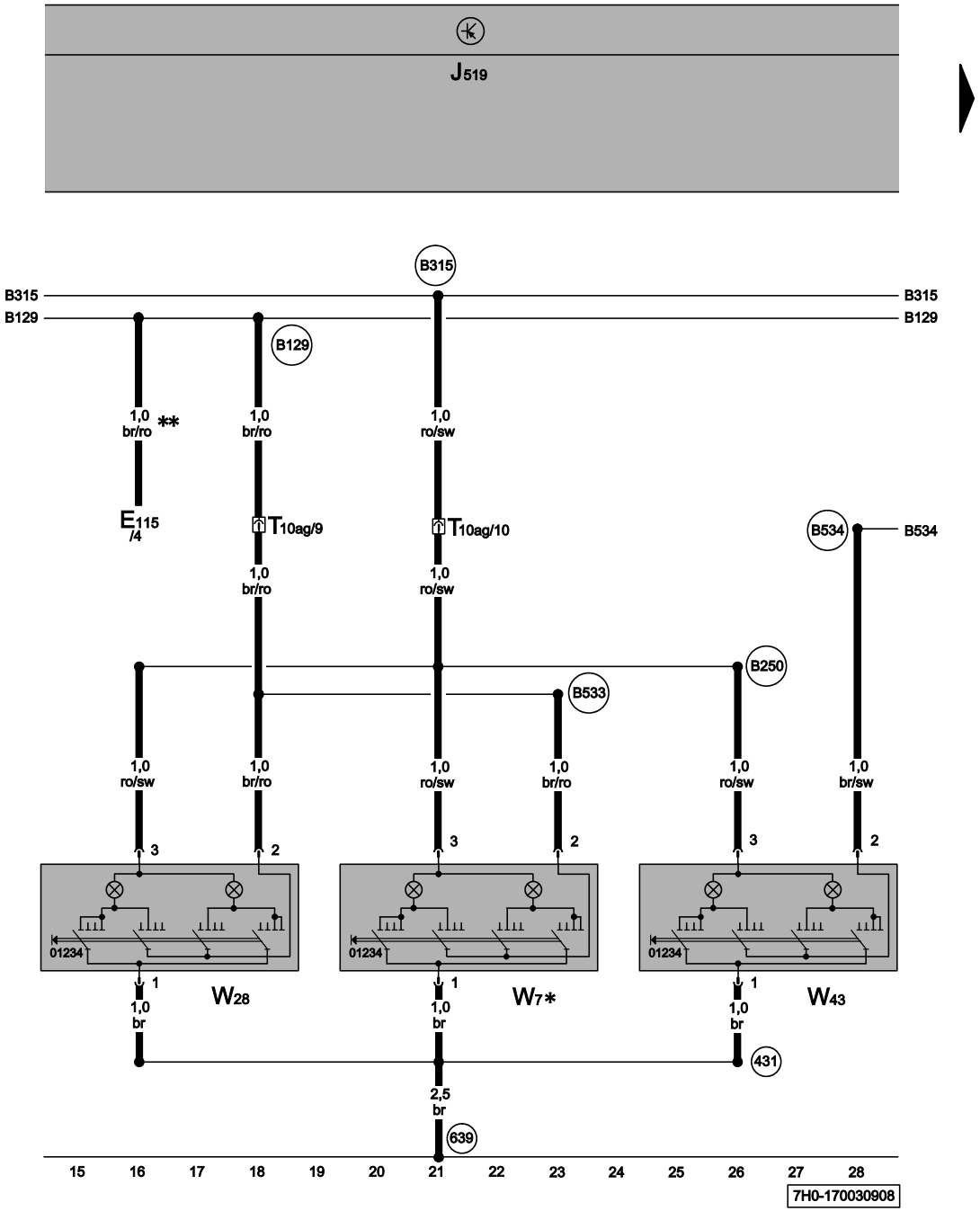
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

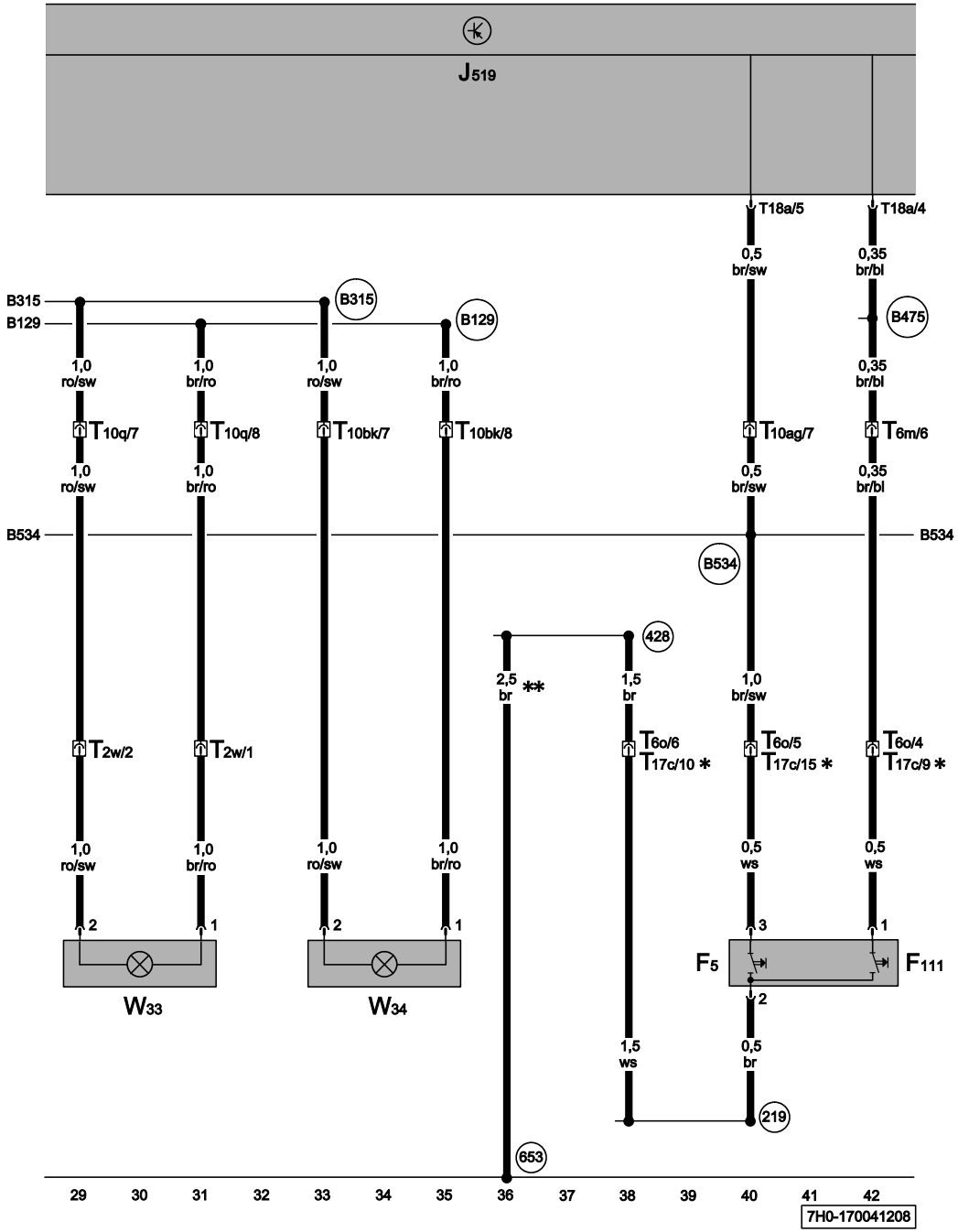
E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	depends on equipment
****	for models with anti-theft alarm system only 7AL/7AQ



ws = white
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br = brown
gn = green
bl = blue
gr = grey
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rs = pink

Front interior light, centre and rear (for models with sliding doors only)

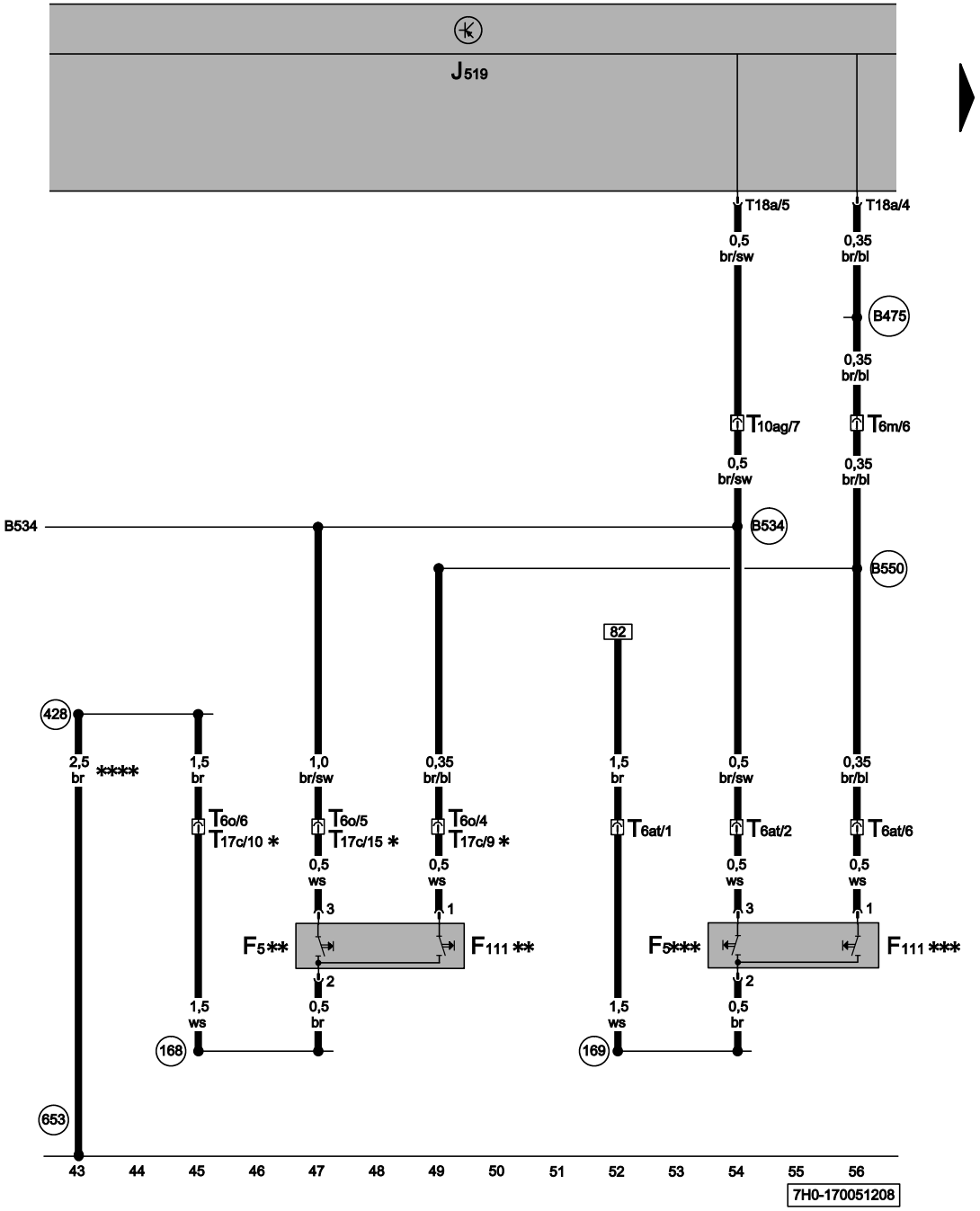
E115	Interior light switch (taxi)
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with high roof only
**	for models with taxi equipment only, applicable from November 2007



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

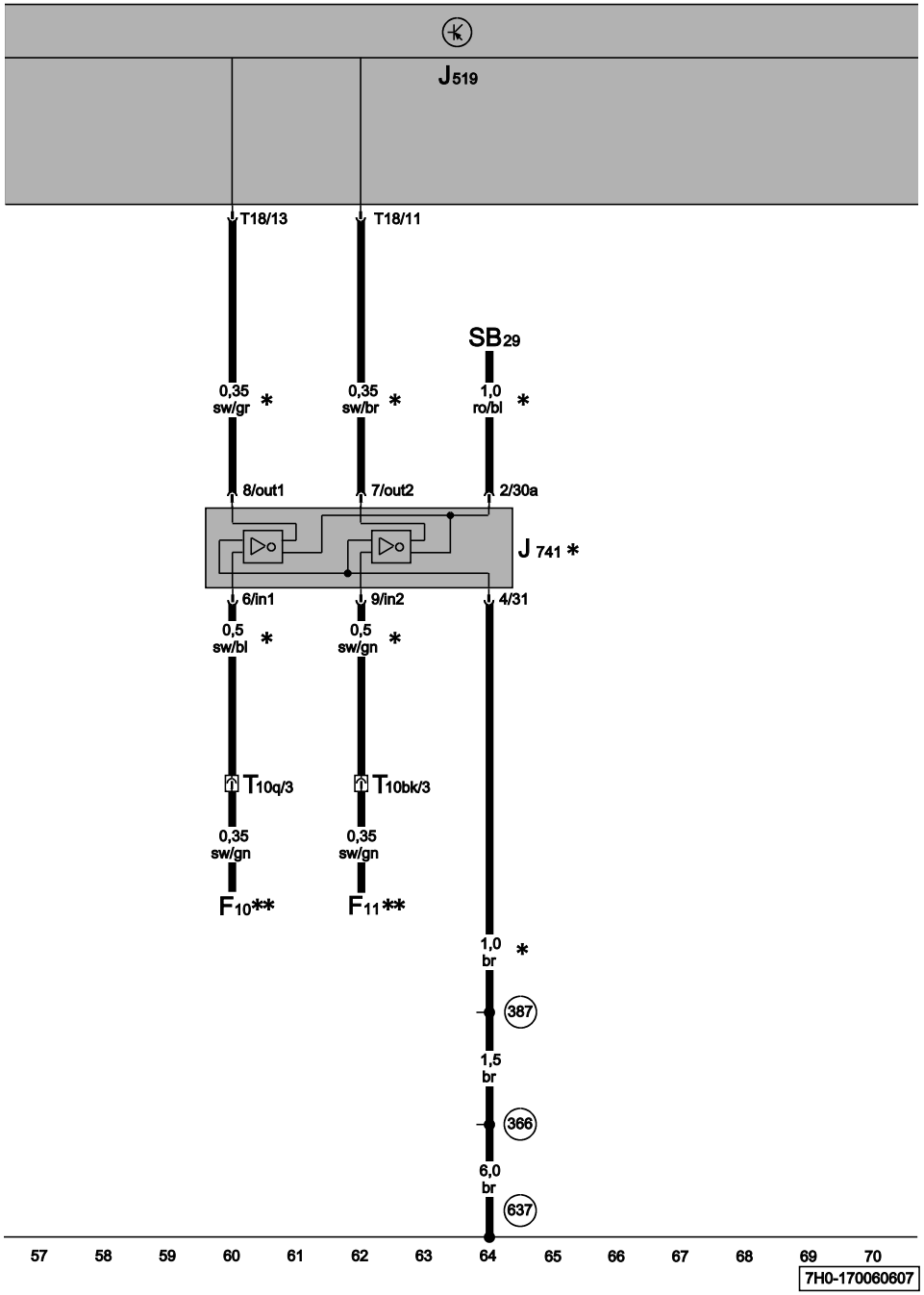
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	cross-section depends on equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

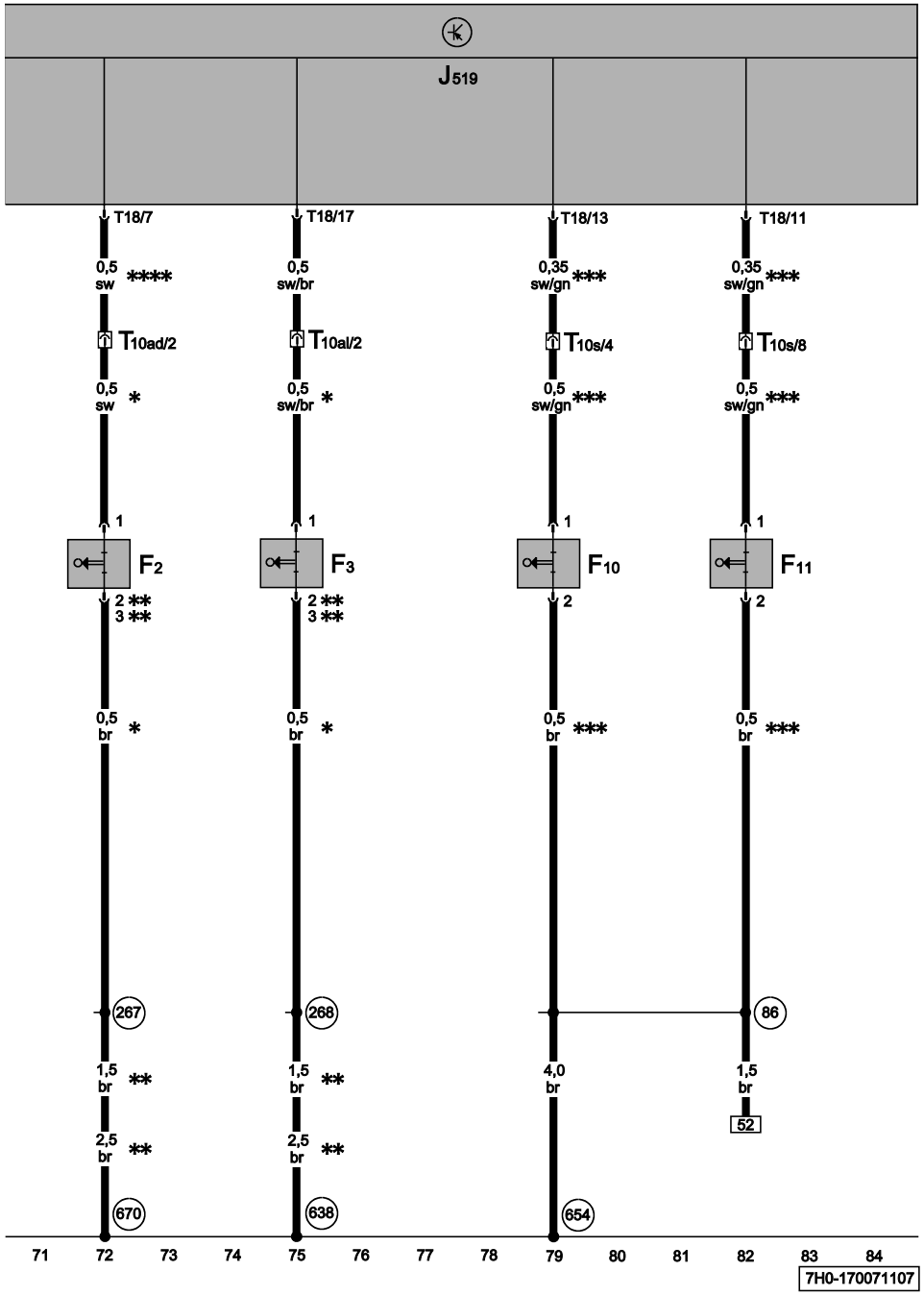
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

Trailer operation

from June 2006

Notes:

For information concerning

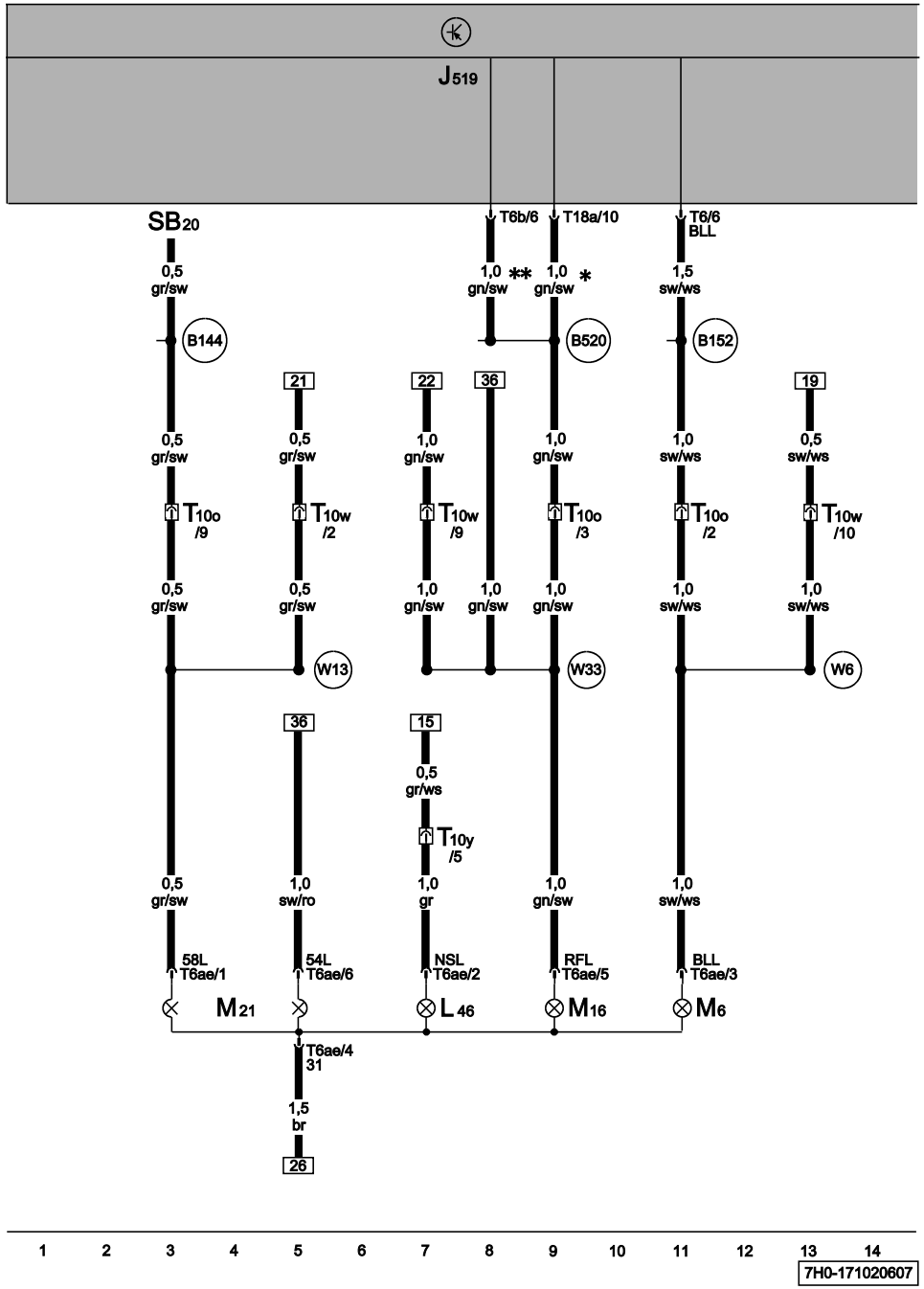
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

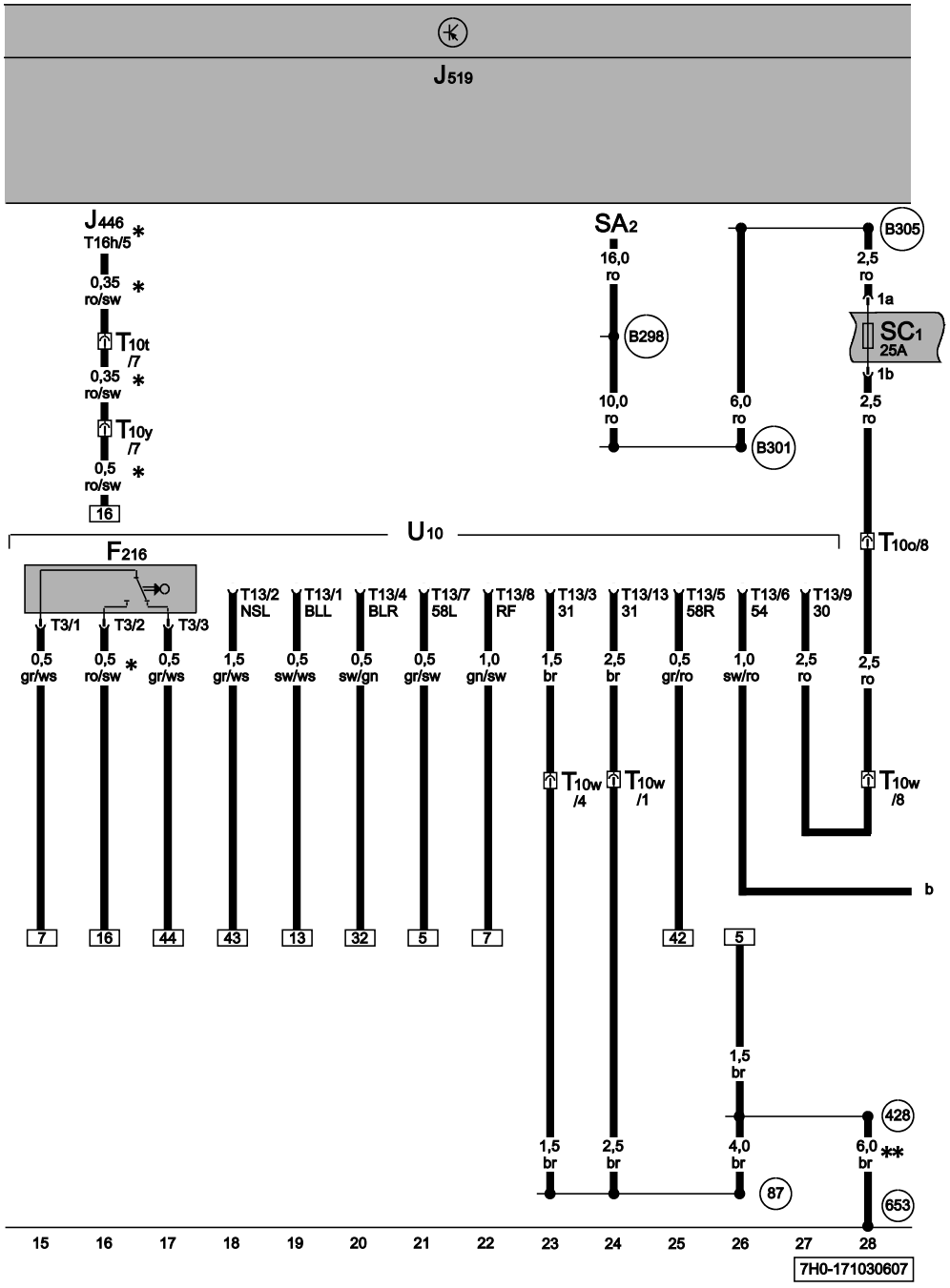
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

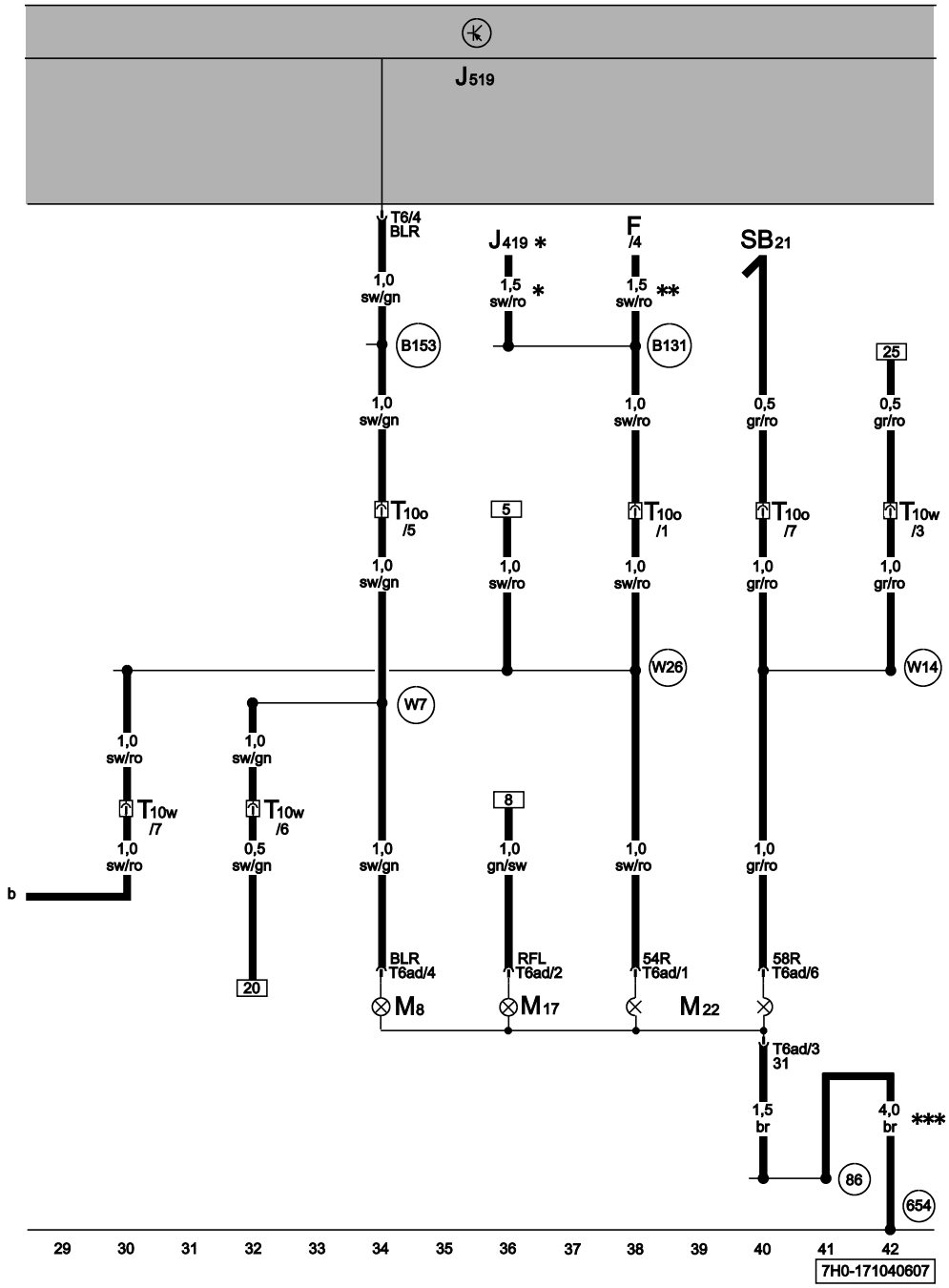
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T18a	18-pin connector, brown
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox only, signal output



ws = white
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ro = red
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gn = green
bl = blue
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Trailer socket, rear fog light cut-out contact switch

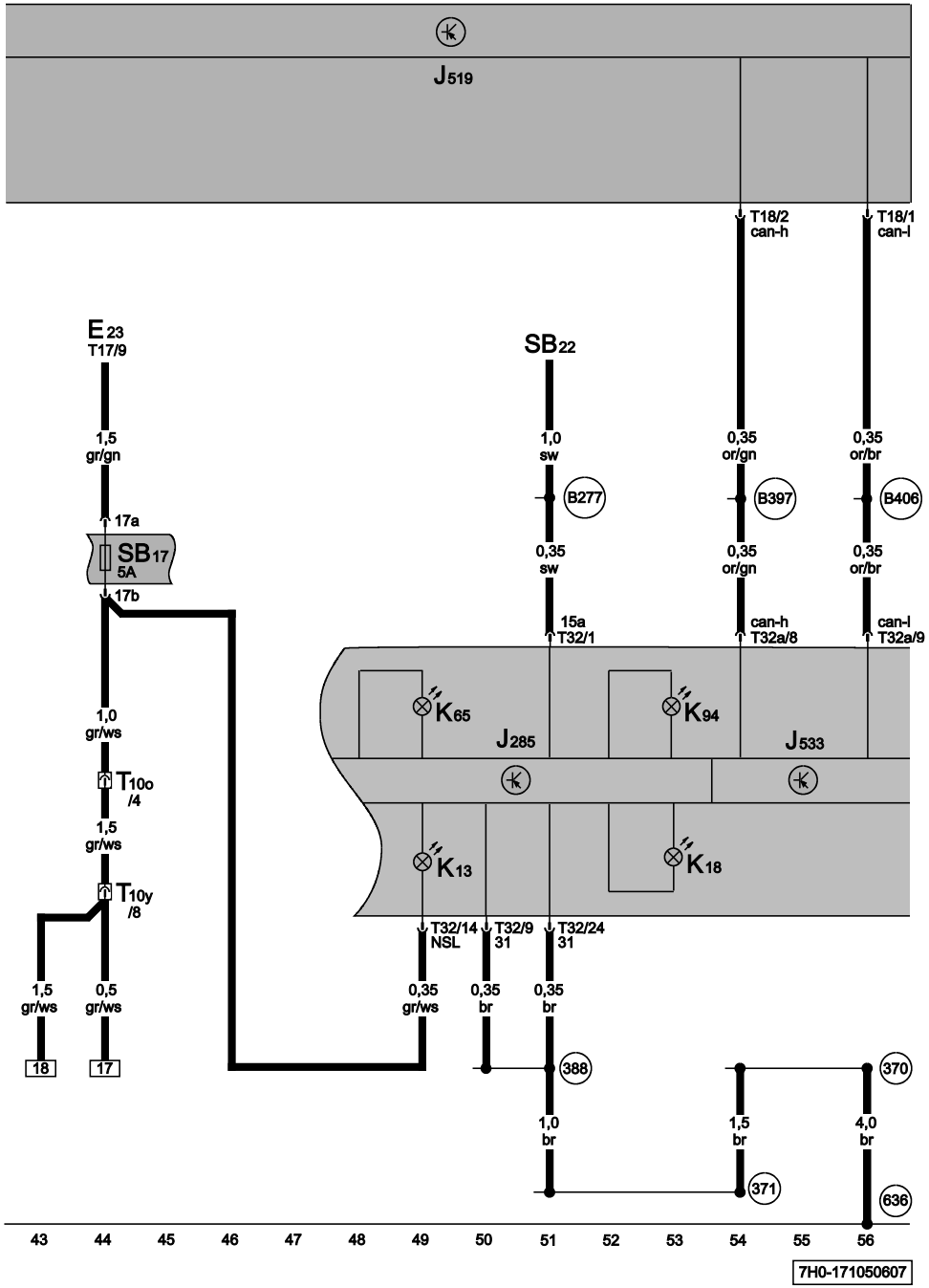
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with parking aid only
**	cross section are equipment dependant



ws = white
sw = black
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only, ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	cross section are equipment dependant



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Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

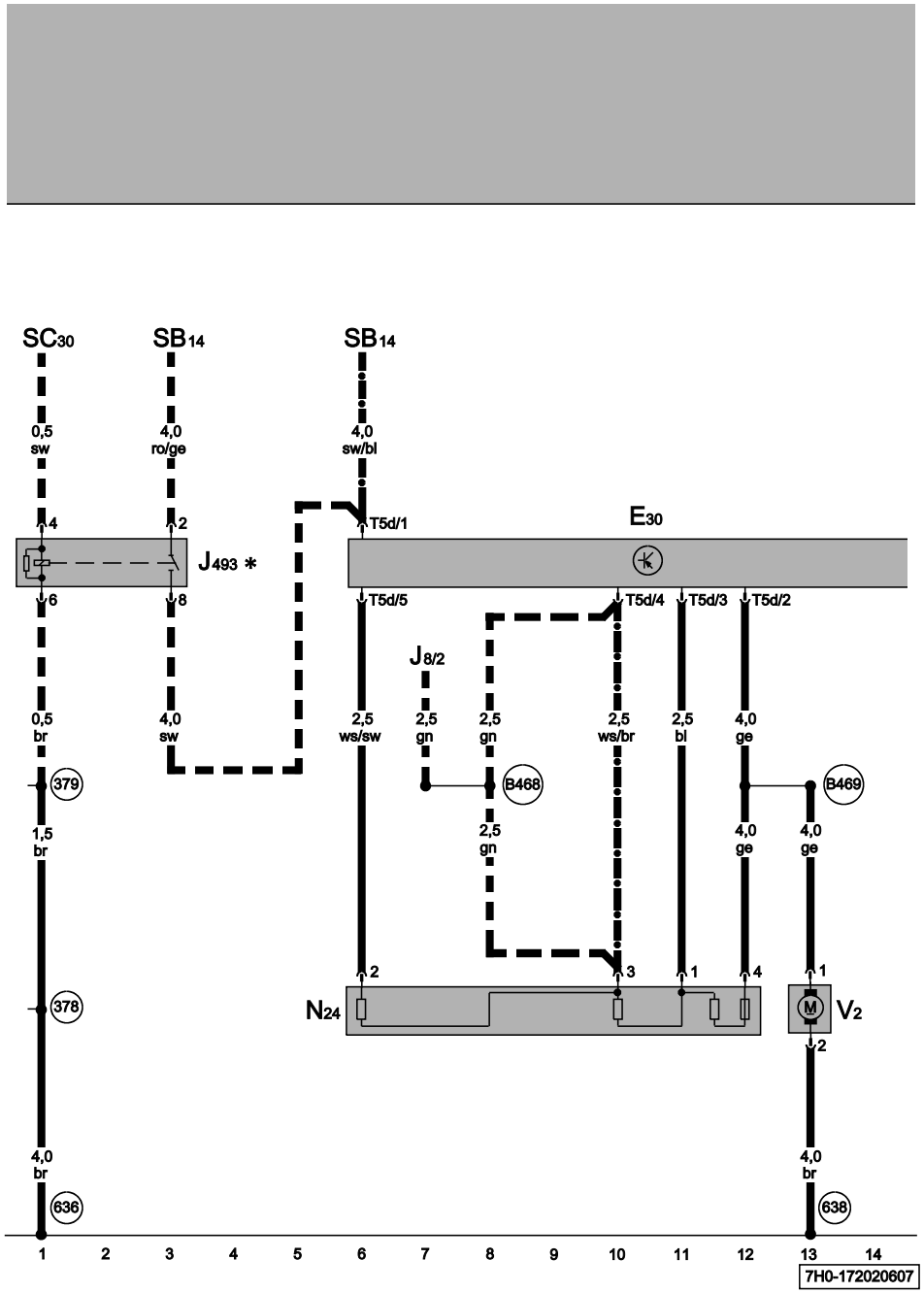
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Multivan, camper and shuttle vehicles**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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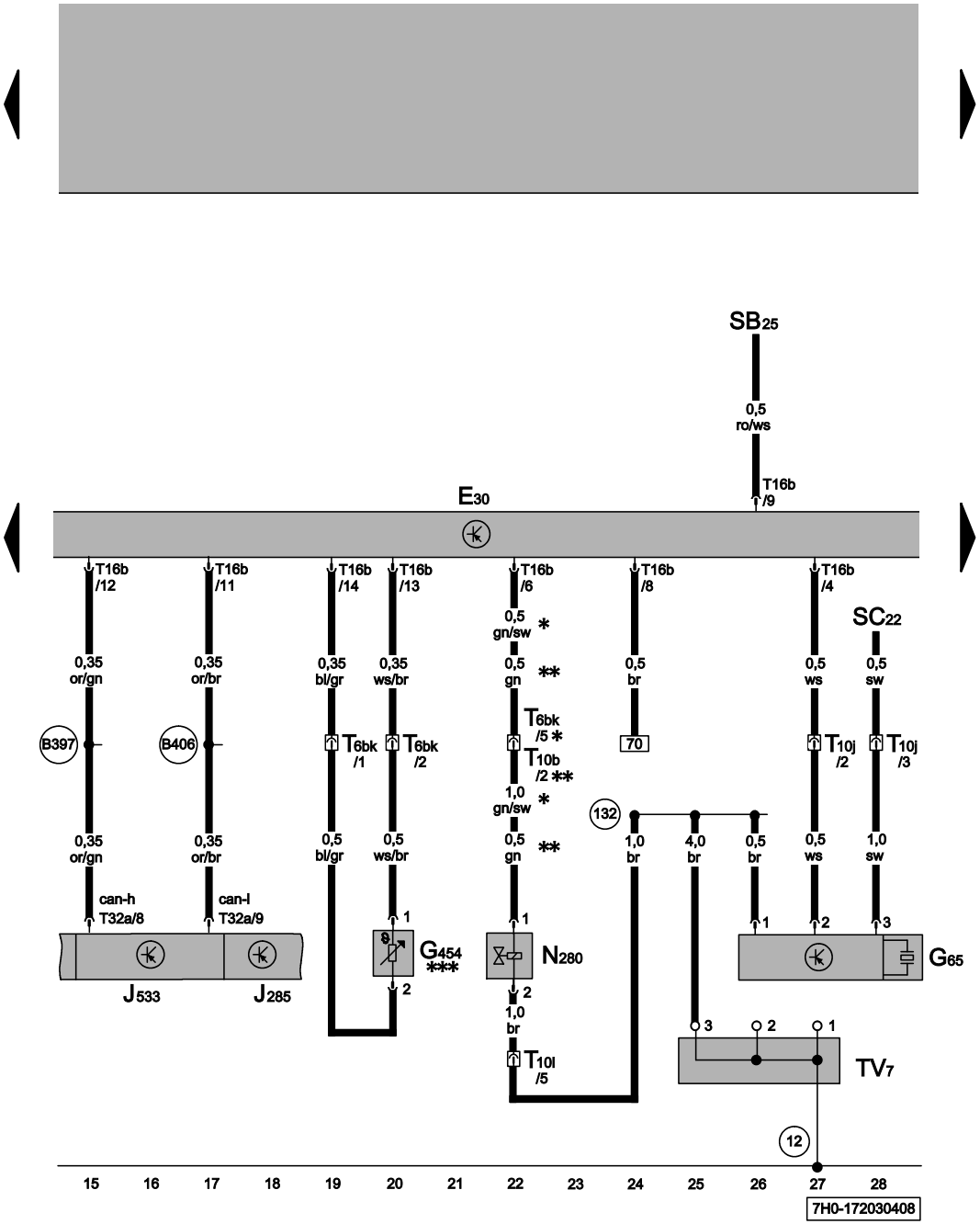
for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

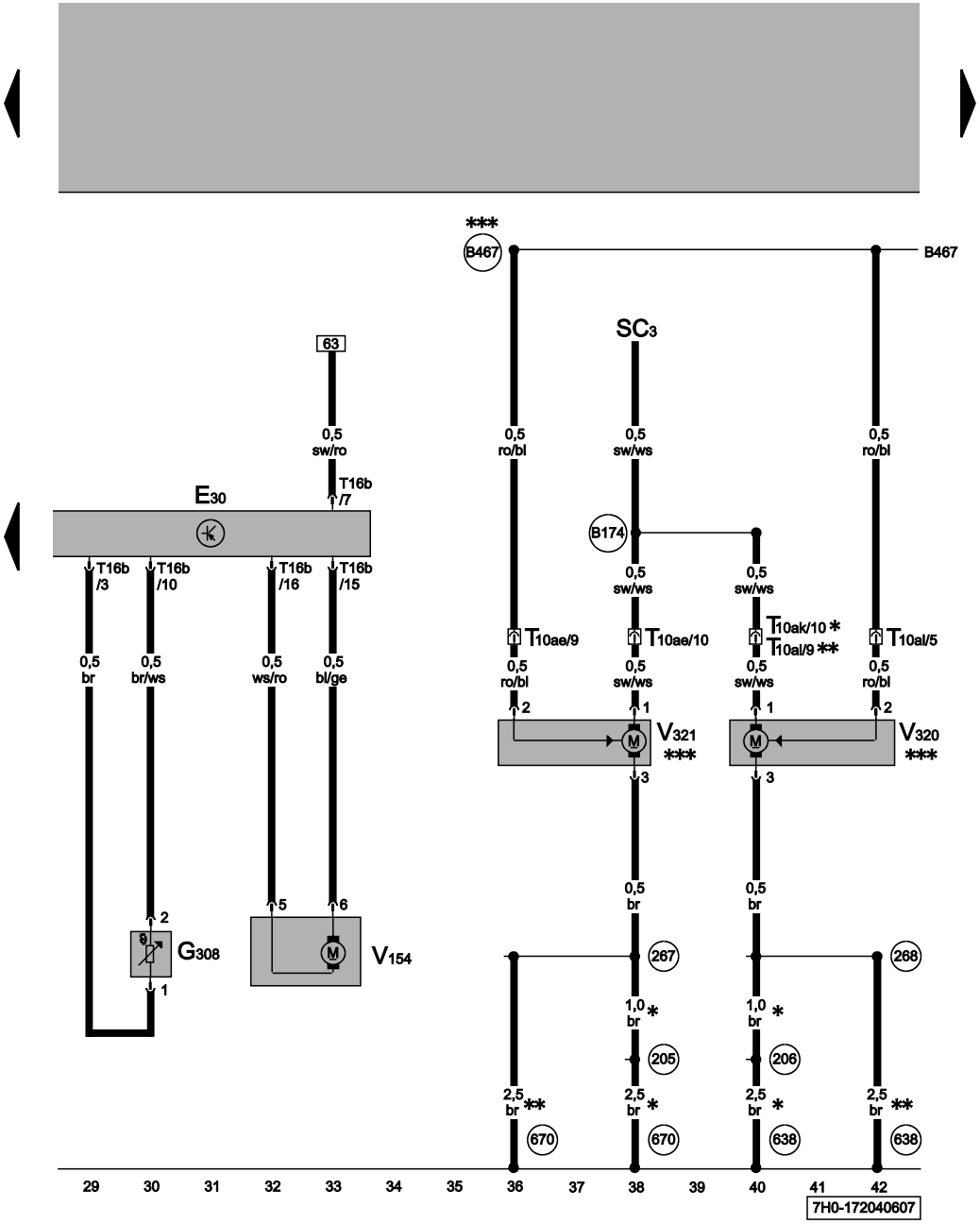
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Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

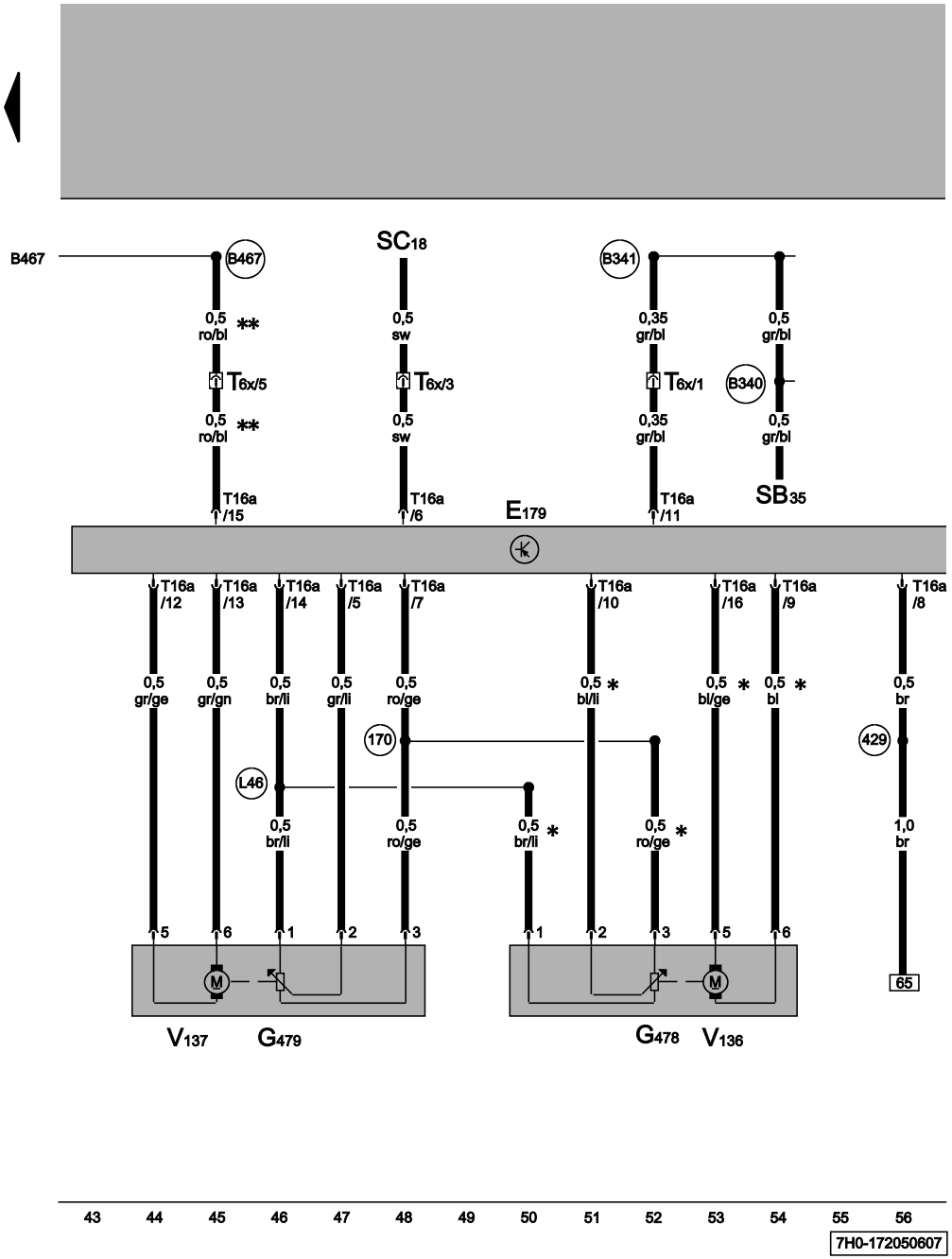
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	Is dropped from June 2006



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Evaporator temperature sensor, fresh air/recirculated air flap control motor, air conditioning system switch, auxiliary blower

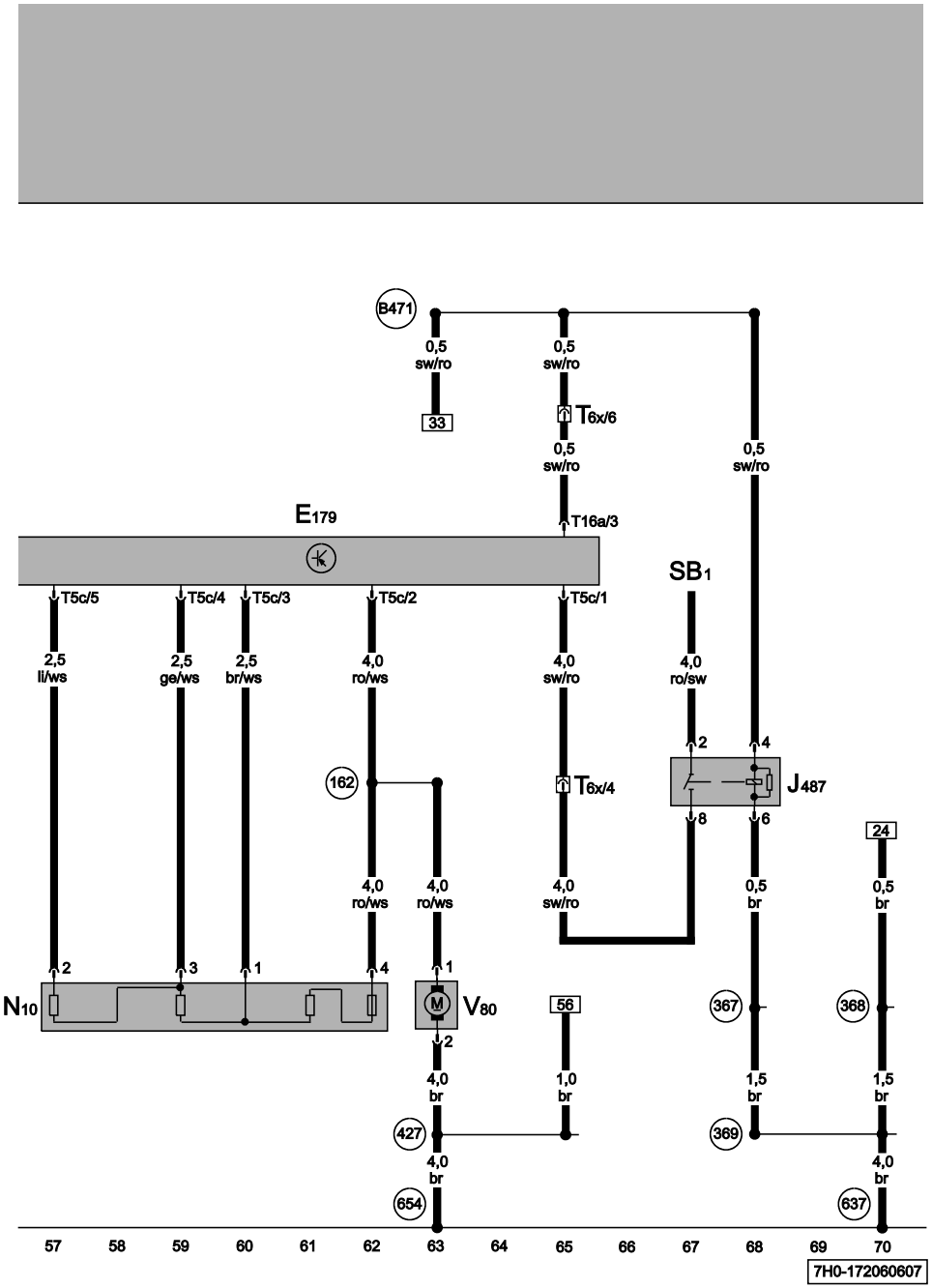
E30	Air conditioning system switch
G308	Evaporator temperature sensor
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	for models with auxiliary blower, in front doors



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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ro = red
br = brown
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li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness

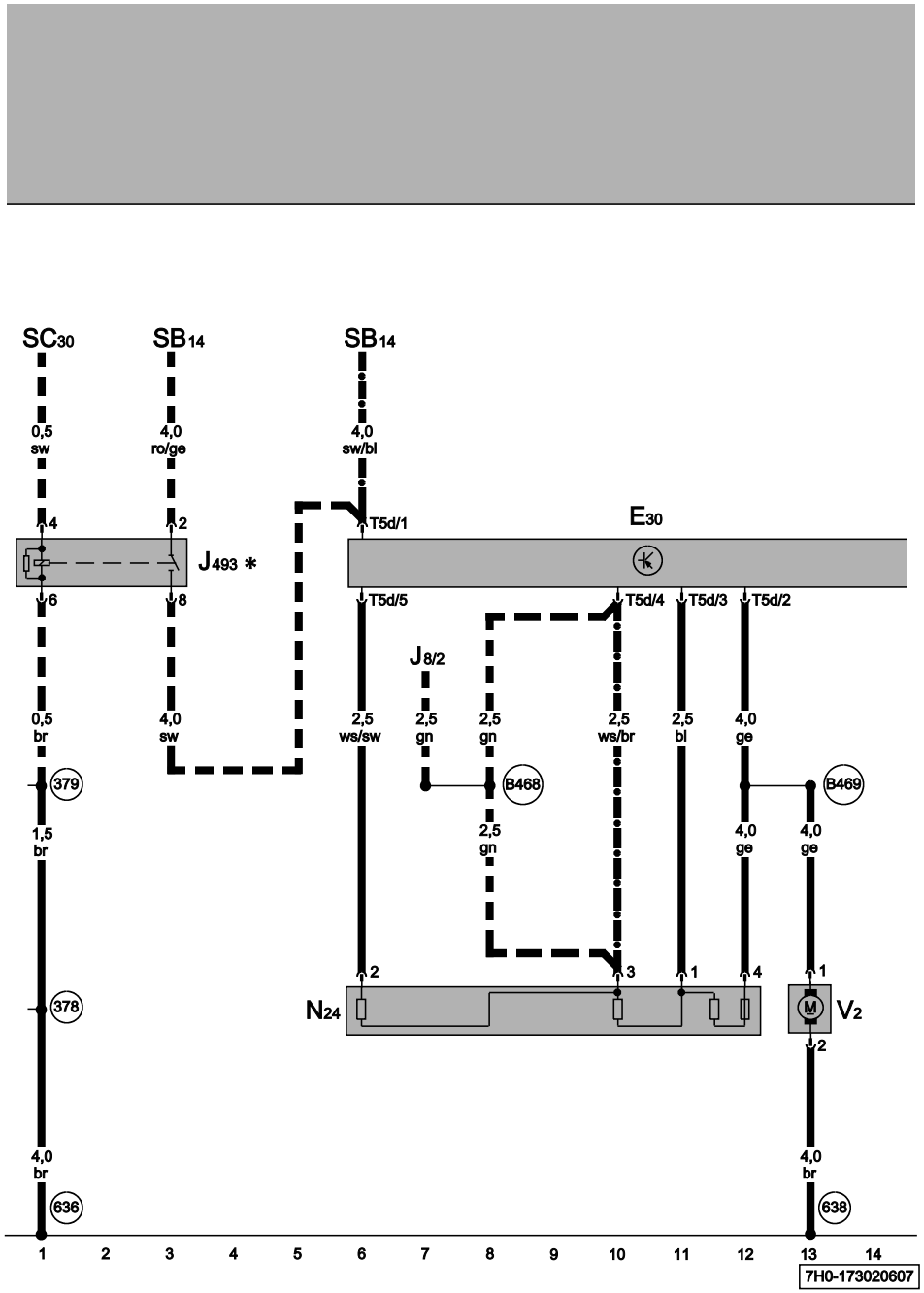
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

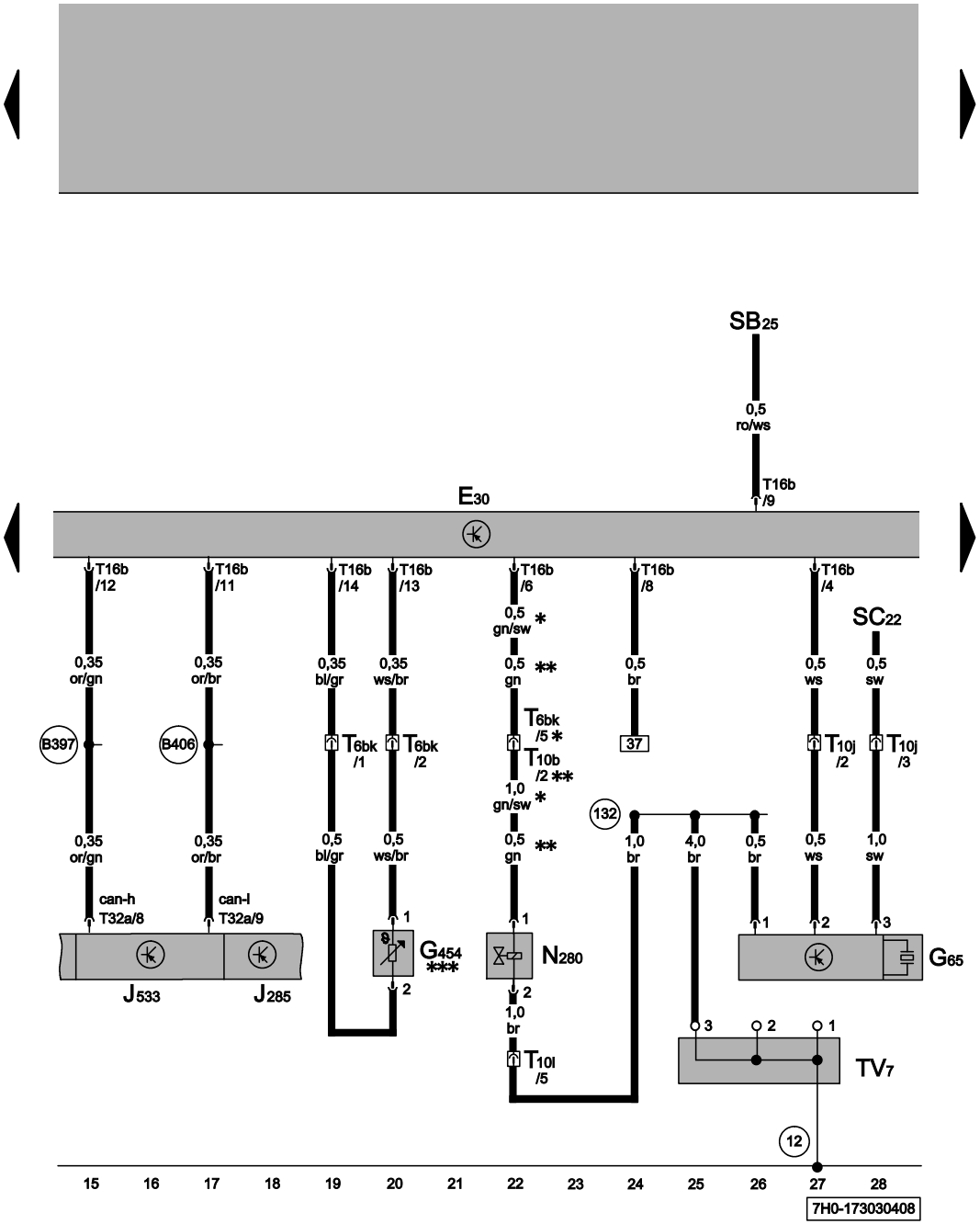
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

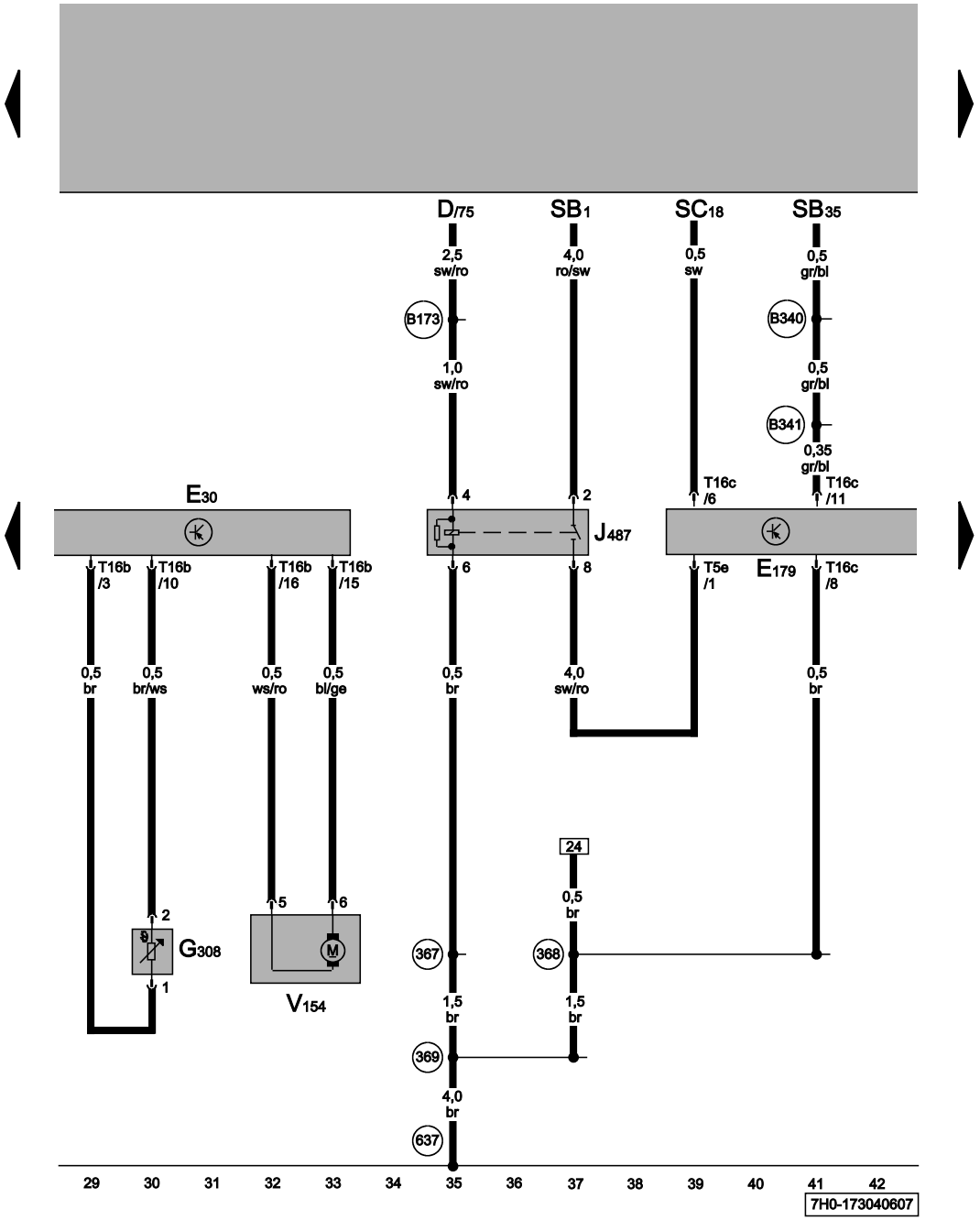
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	Is dropped from June 2006



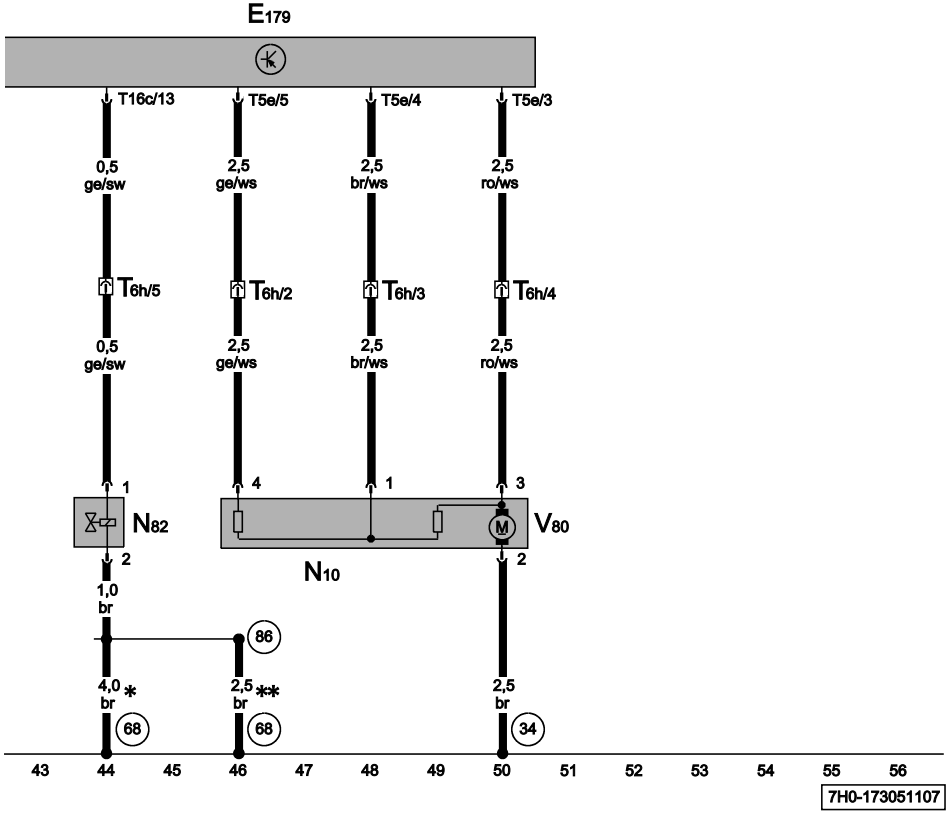
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioning system switch, evaporator temperature sensor, fresh air/recirculated air flap control motor, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
J487	Fresh air blower isolation relay
SB1	Fuse 1 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T5e	5-pin connector
T16b	16-pin connector, black
T16c	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

Rear fresh air blower, series resistor for rear fresh air blower, rear fresh air blower switch, coolant shut-off valve

E179	Rear fresh air blower switch
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
*	applicable up to May 2006
**	applicable from June 2006



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

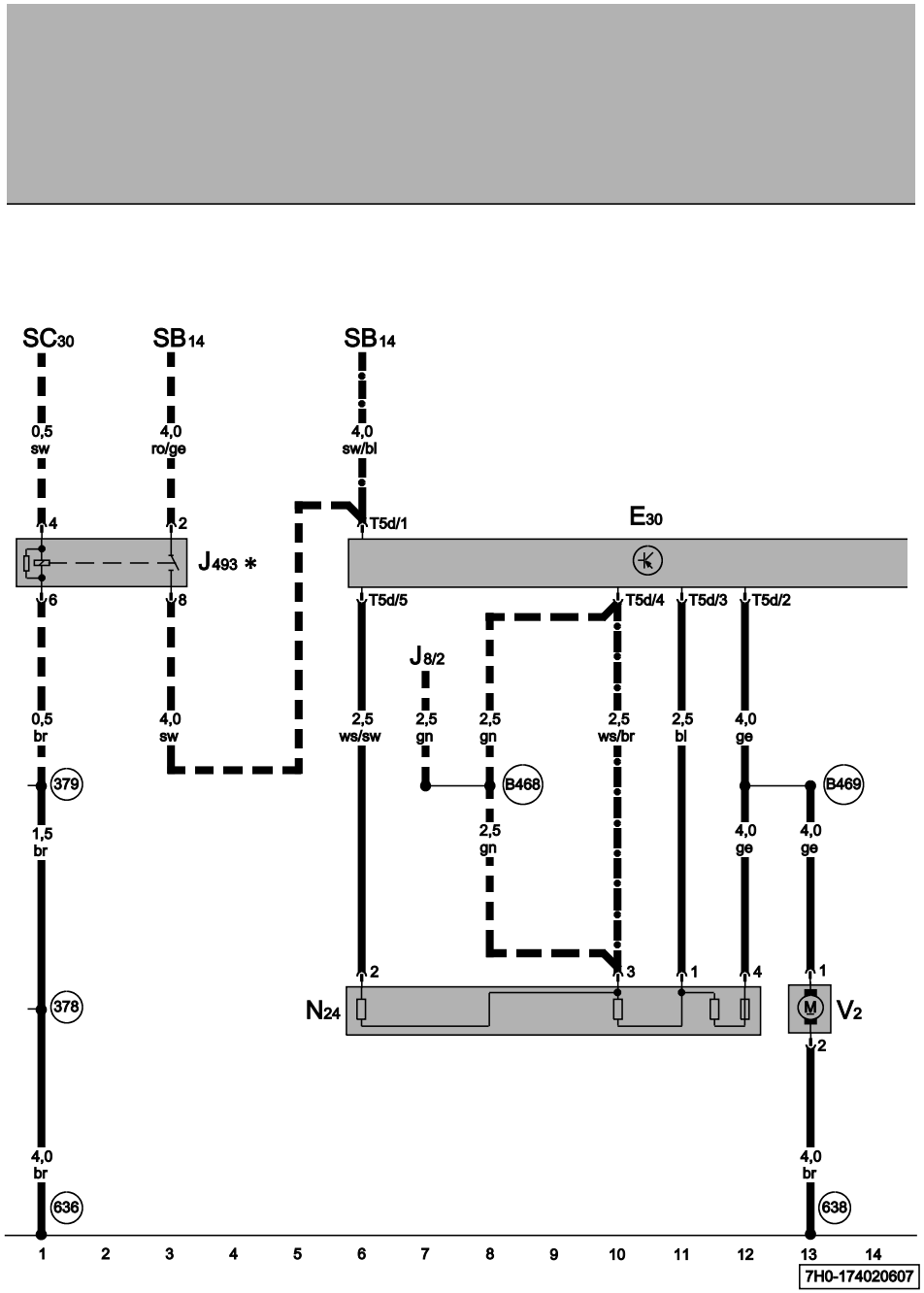
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

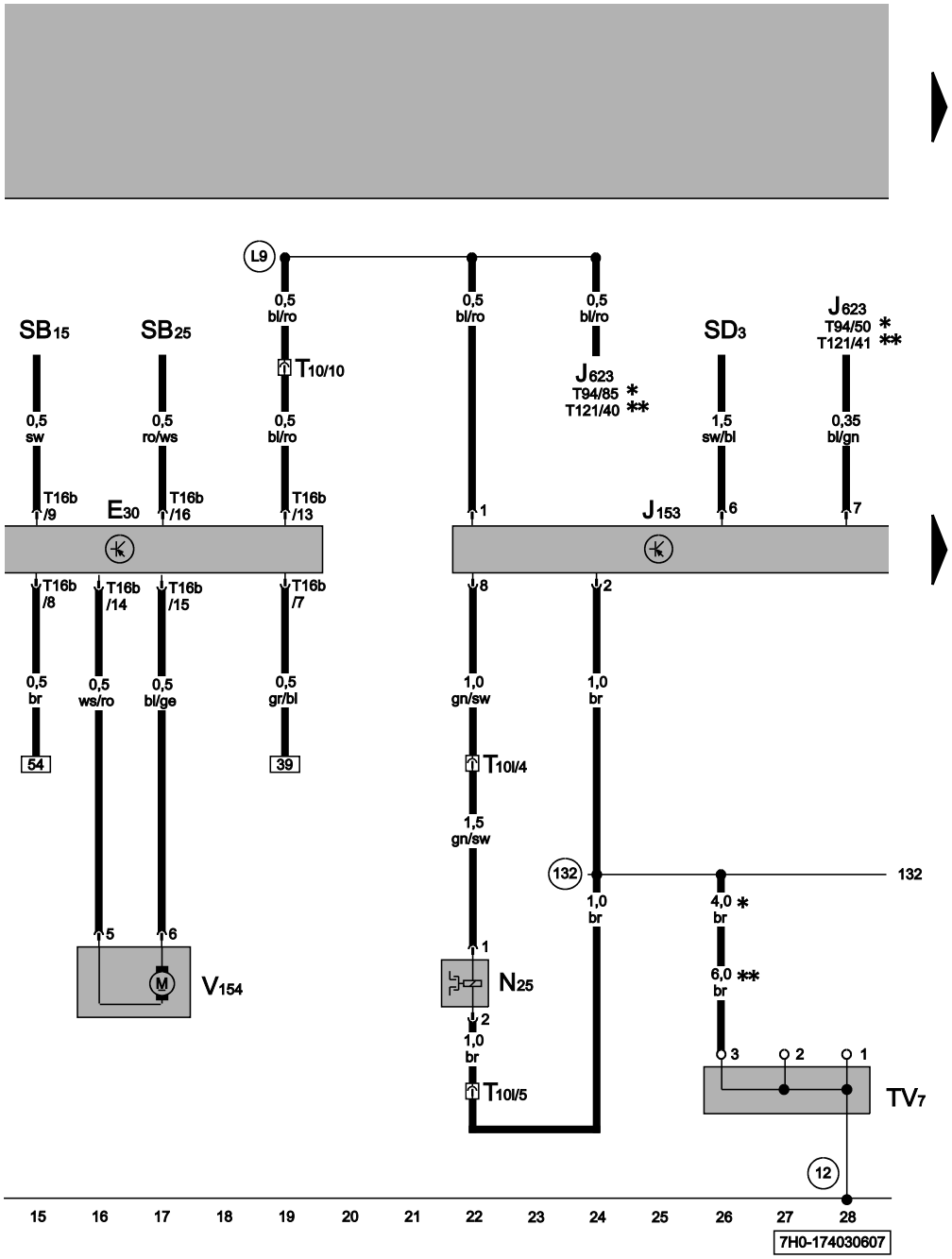
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>

for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

ws = white

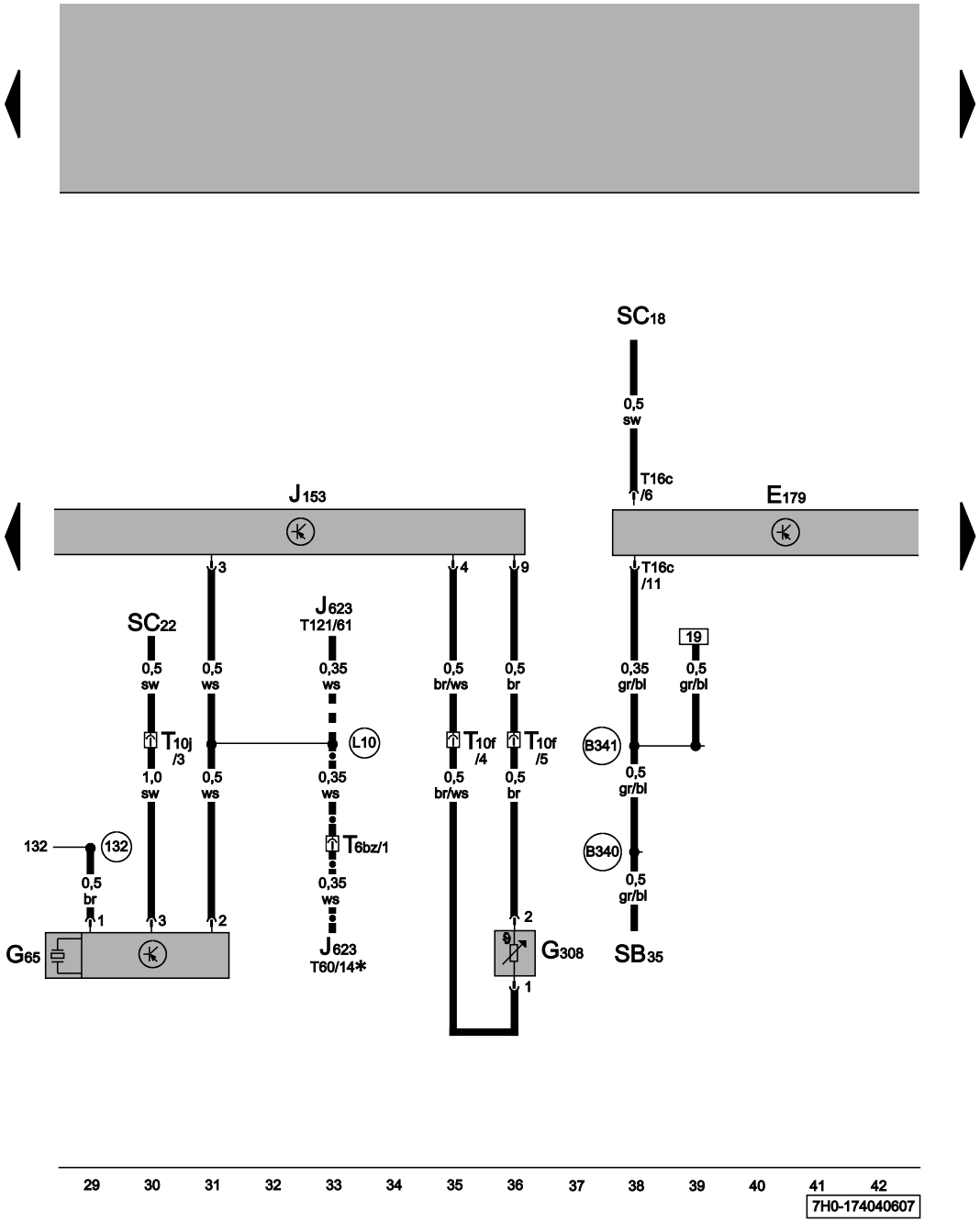
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch

E30	Air conditioning system switch
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only



ws = white

Magnetic clutch control unit, high pressure sender, evaporator temperature sensor, rear fresh air blower switch

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
J623	Engine control unit
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
132	Earth connection 3, in engine compartment wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L10	Connection 2, in air conditioning system wiring harness

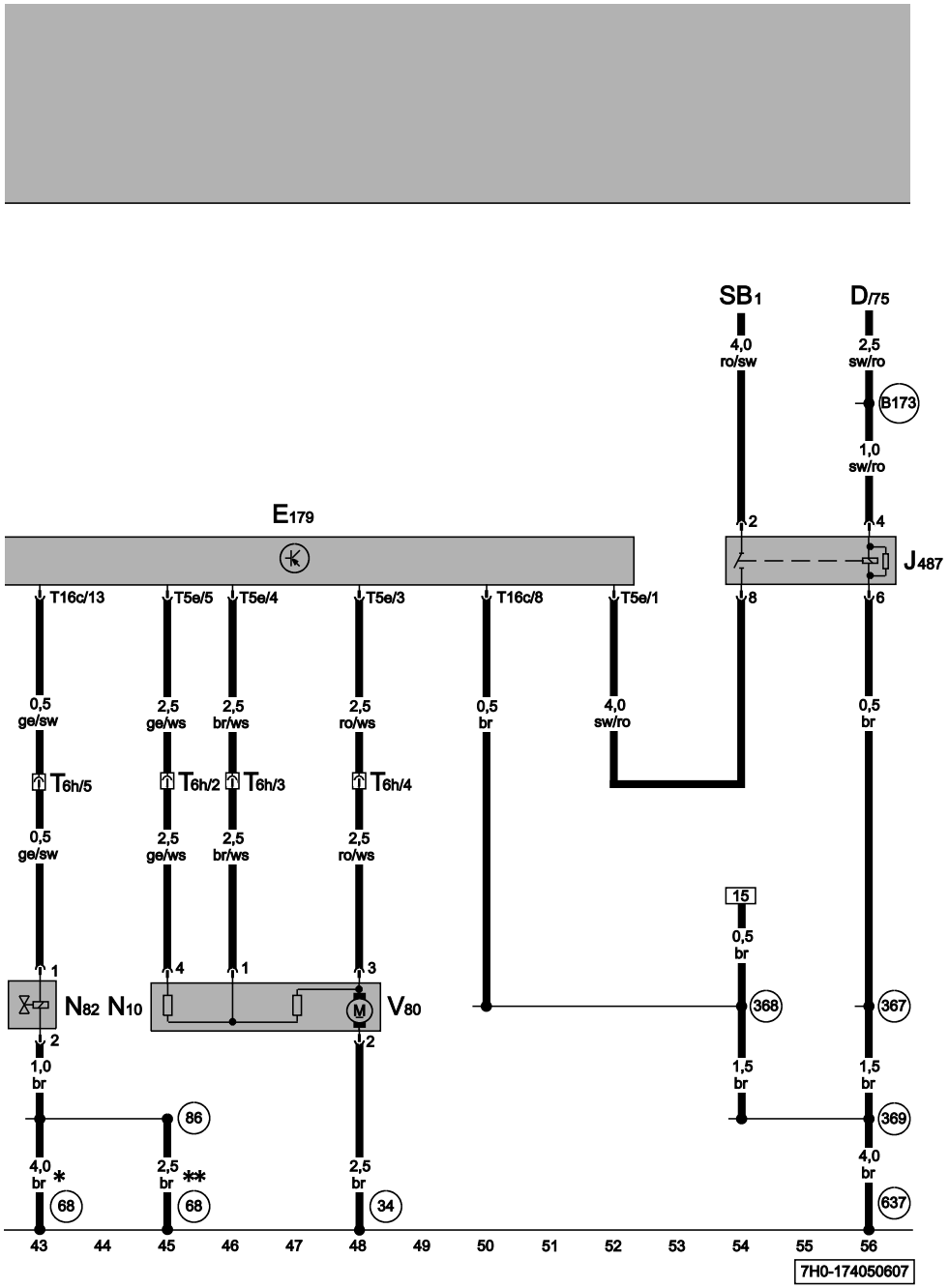
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models with engine codes AXB, AXC, BRR, BRS only

for models with engine codes AXA, BDL, BDM, BKK only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, coolant shut-off valve

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
*	applicable up to May 2006
**	applicable from June 2006

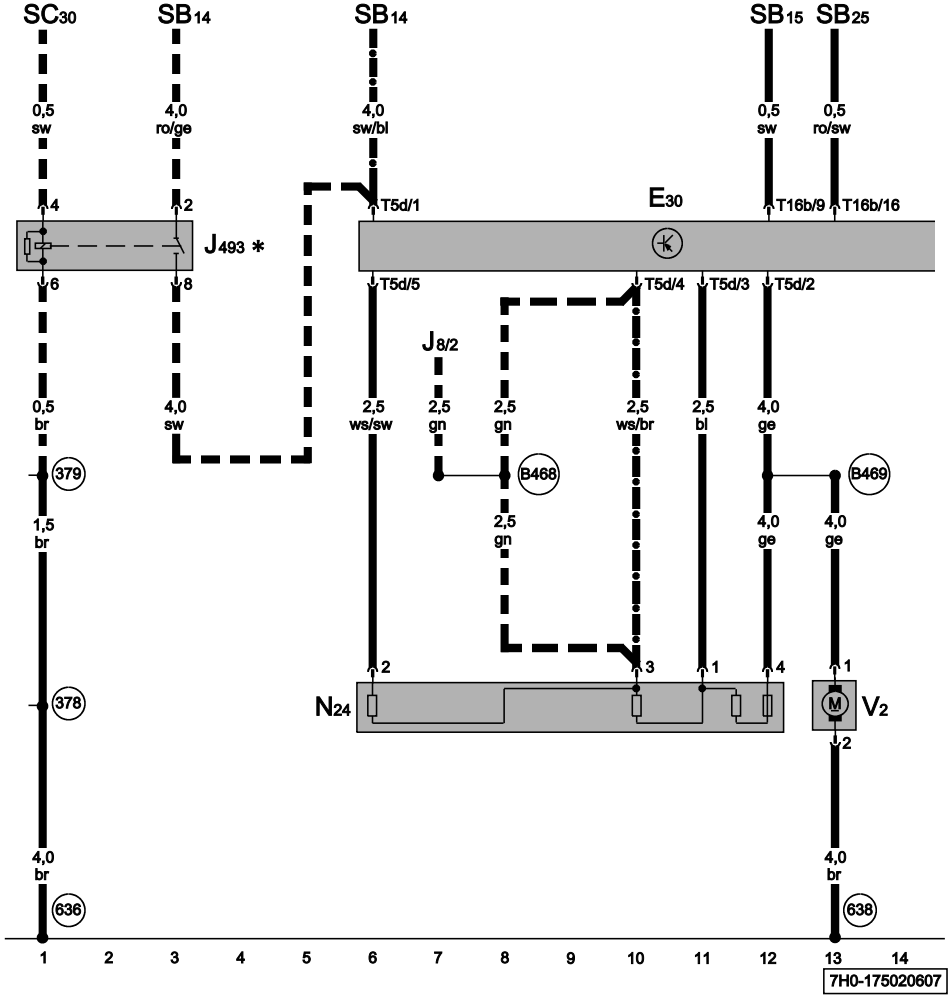
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Multivan, camper and shuttle vehicles and traveller**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

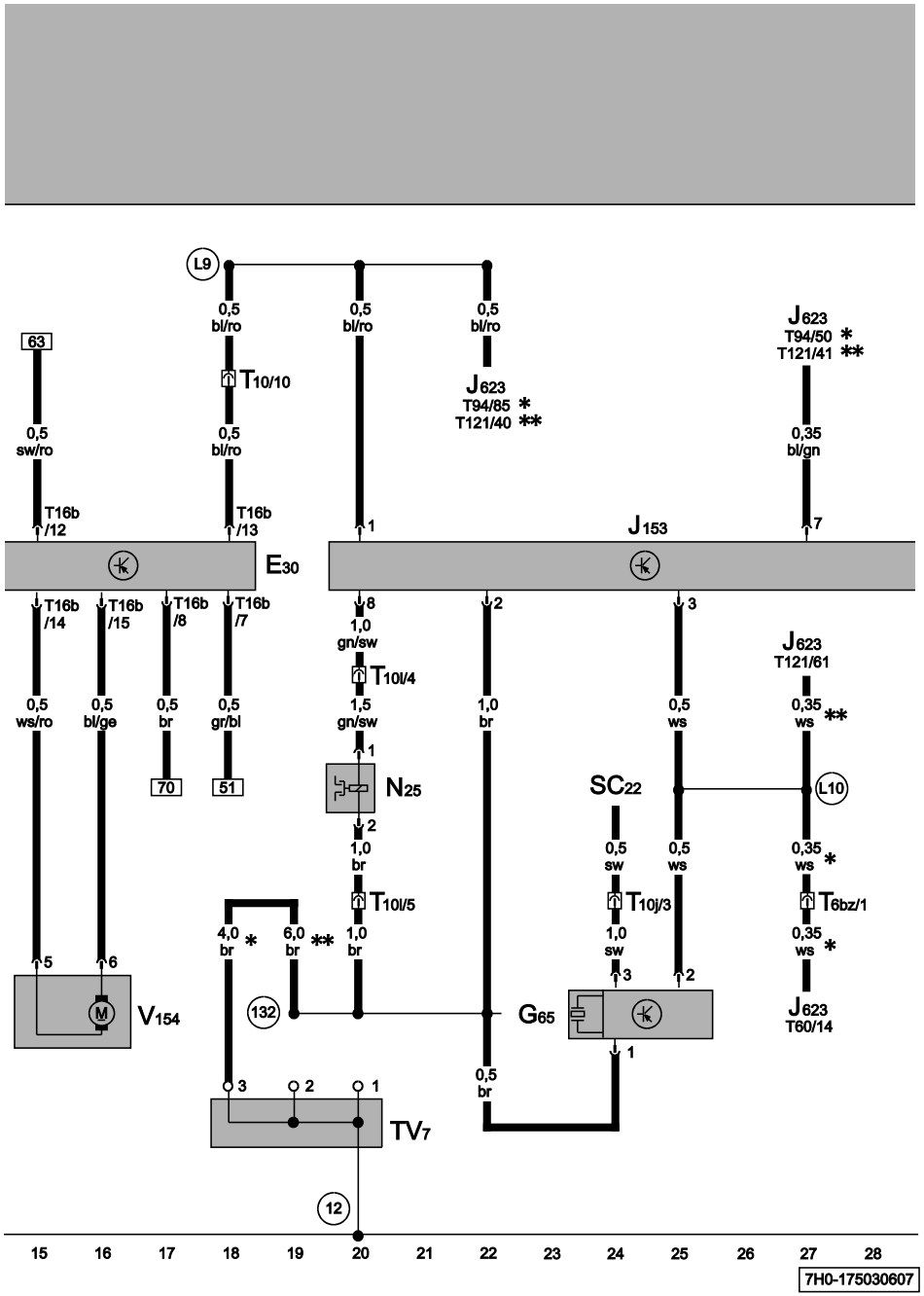


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

<fo:external-graphic src="../
for models without auxiliary coolant heater only

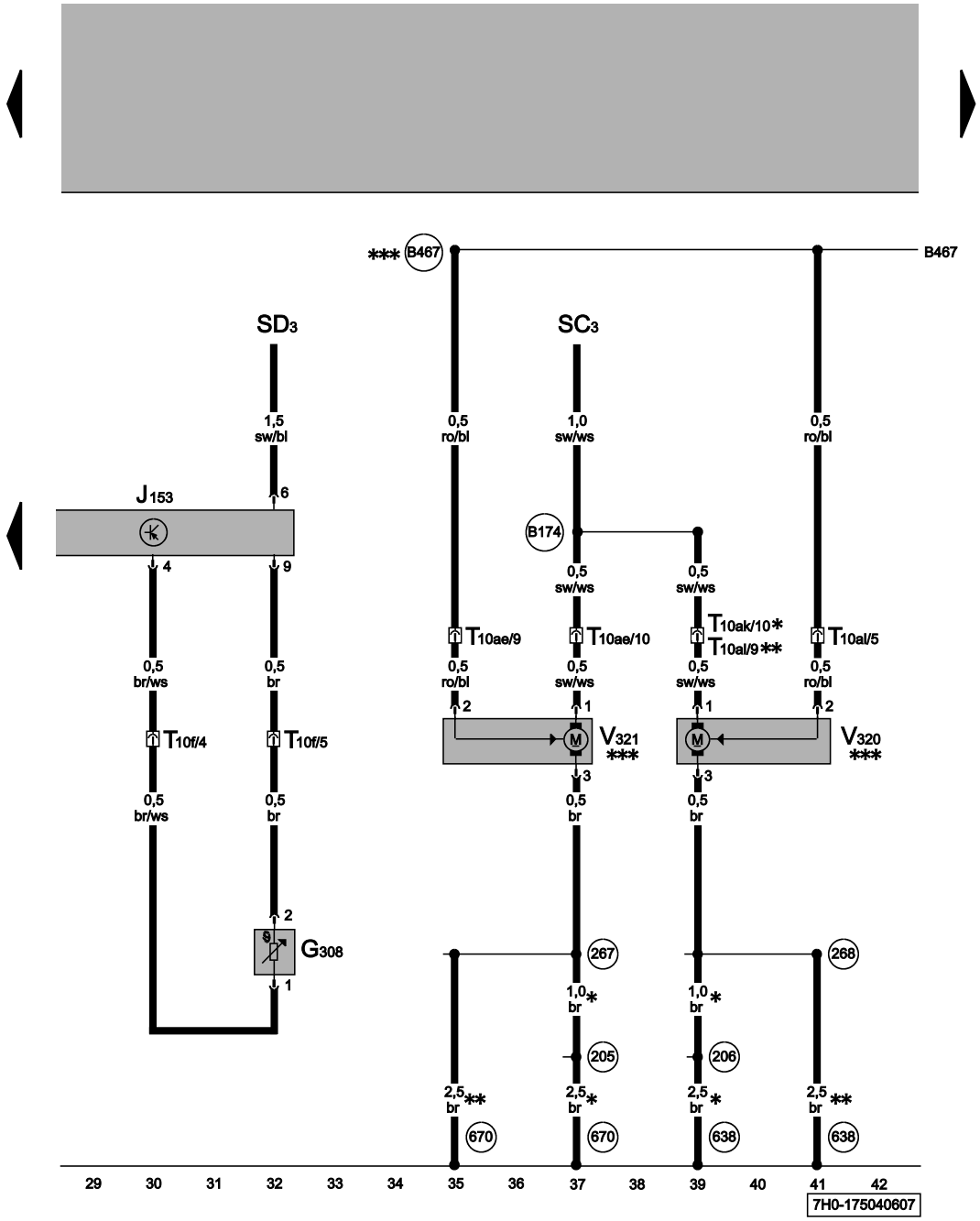


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

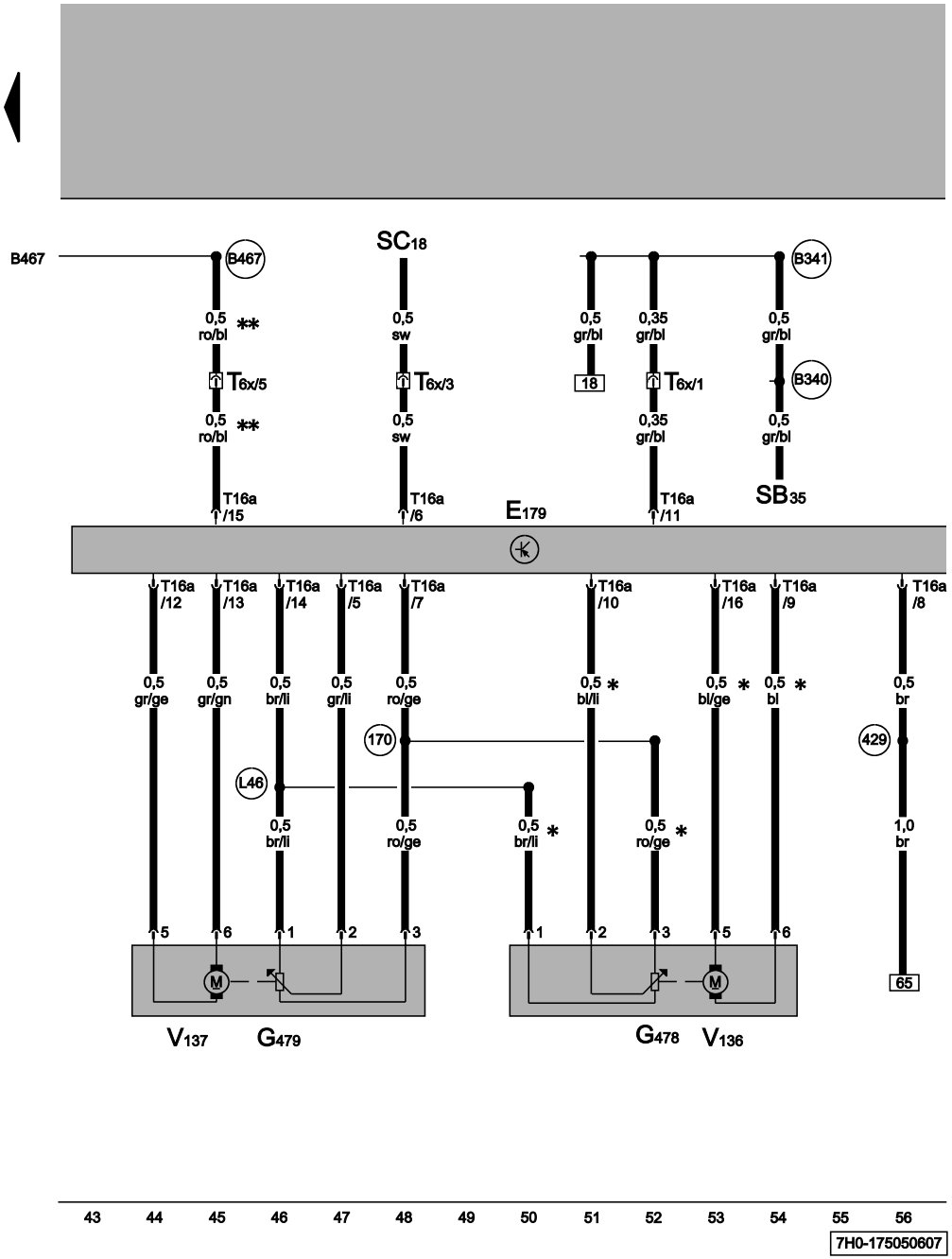
E30	Air conditioning system switch
G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only

Evaporator temperature sensor, magnetic clutch control unit, auxiliary blower



G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
SC3	Fuse 3 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	for models with auxiliary blower only, in front doors

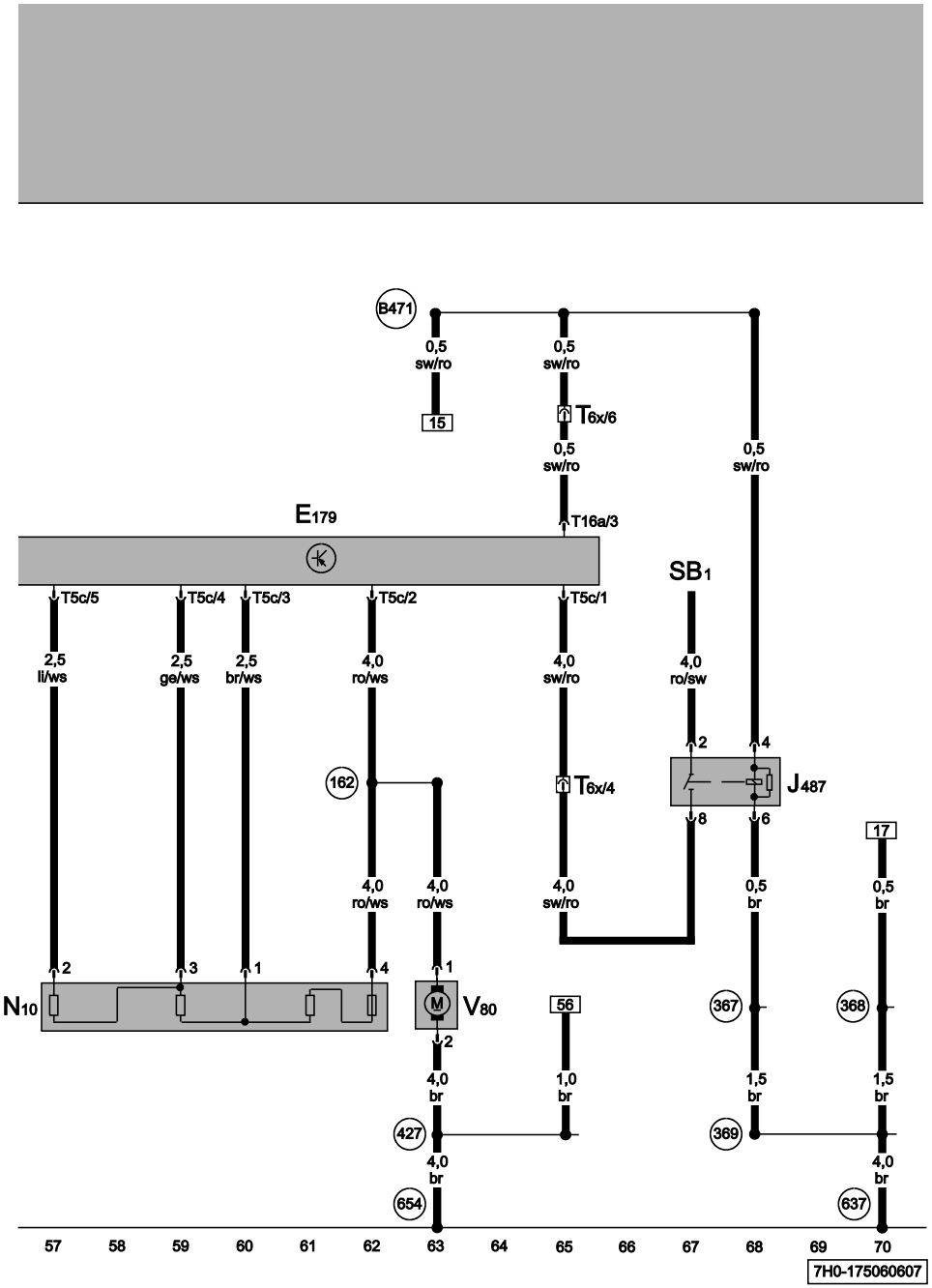
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models with booster blower only, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

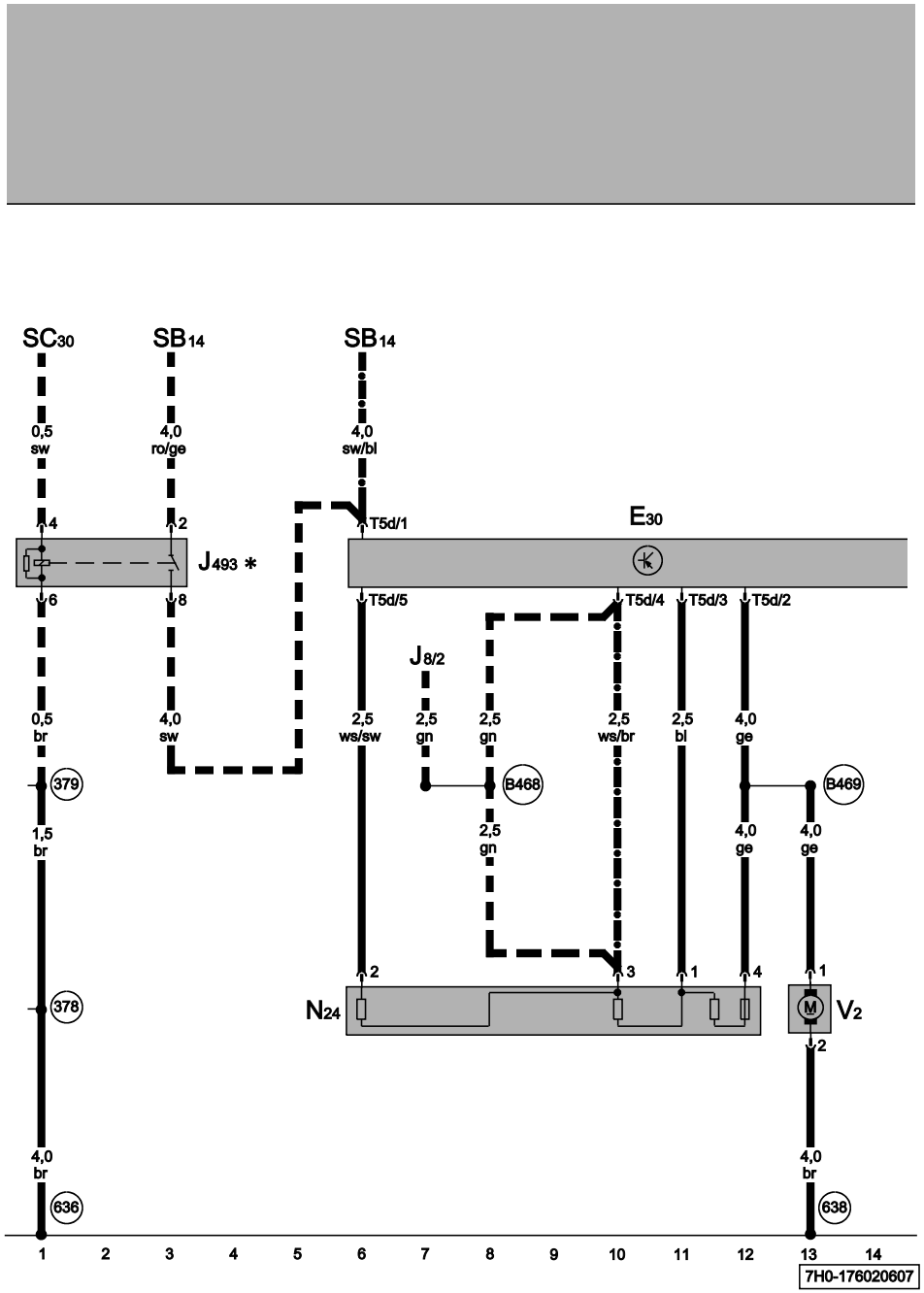
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **hybrid vehicle**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

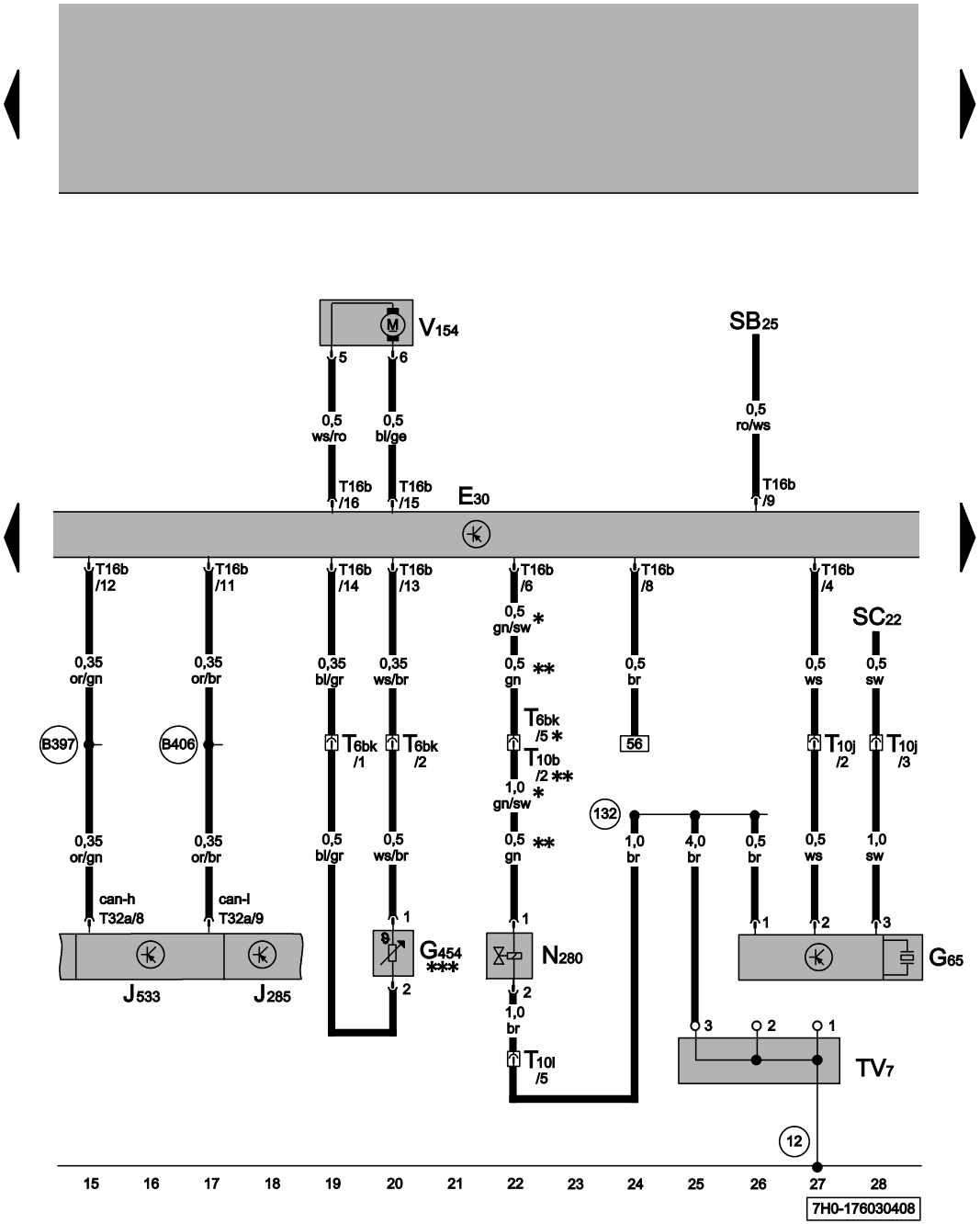
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

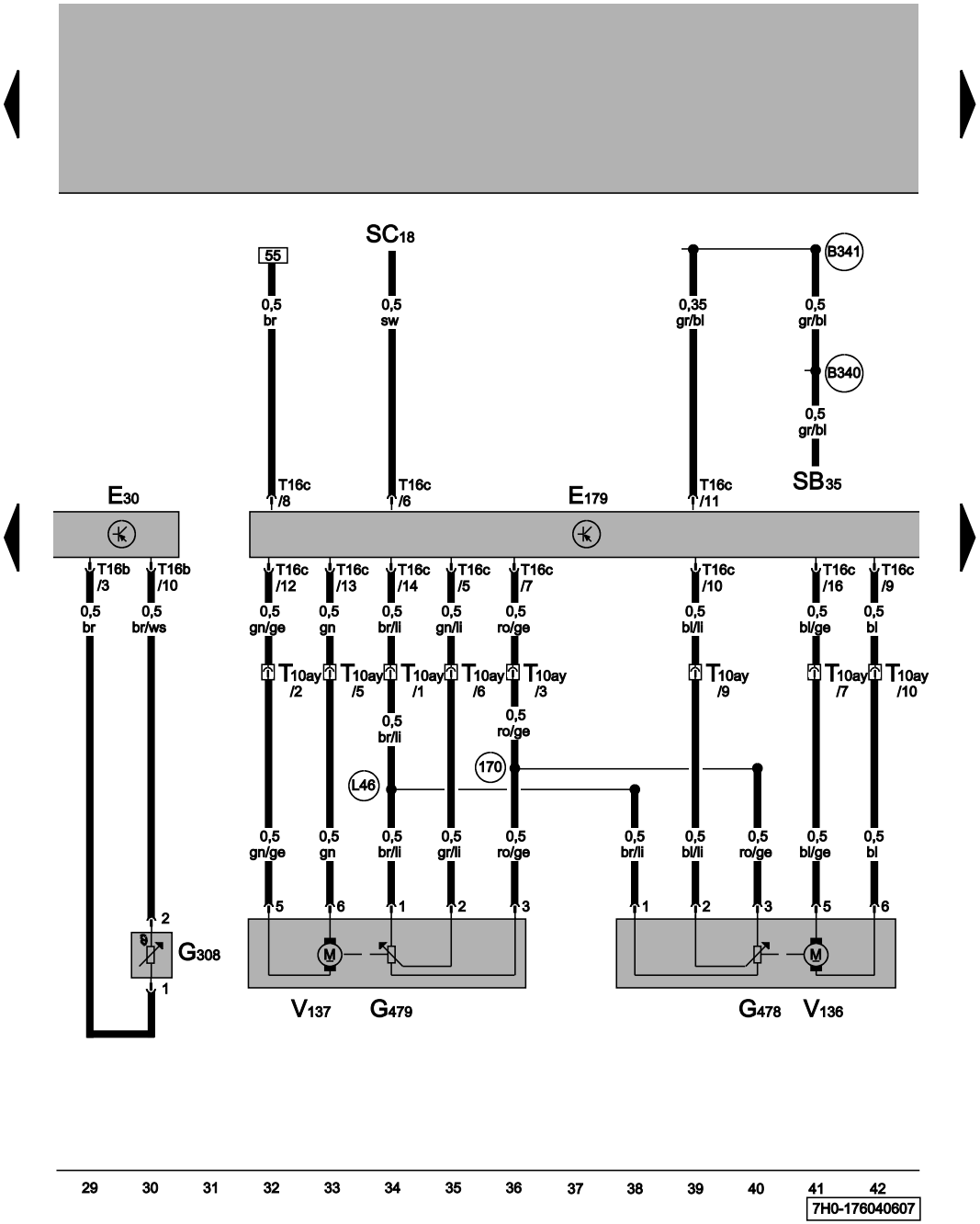
graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface, fresh air and air recirculation flap control motor

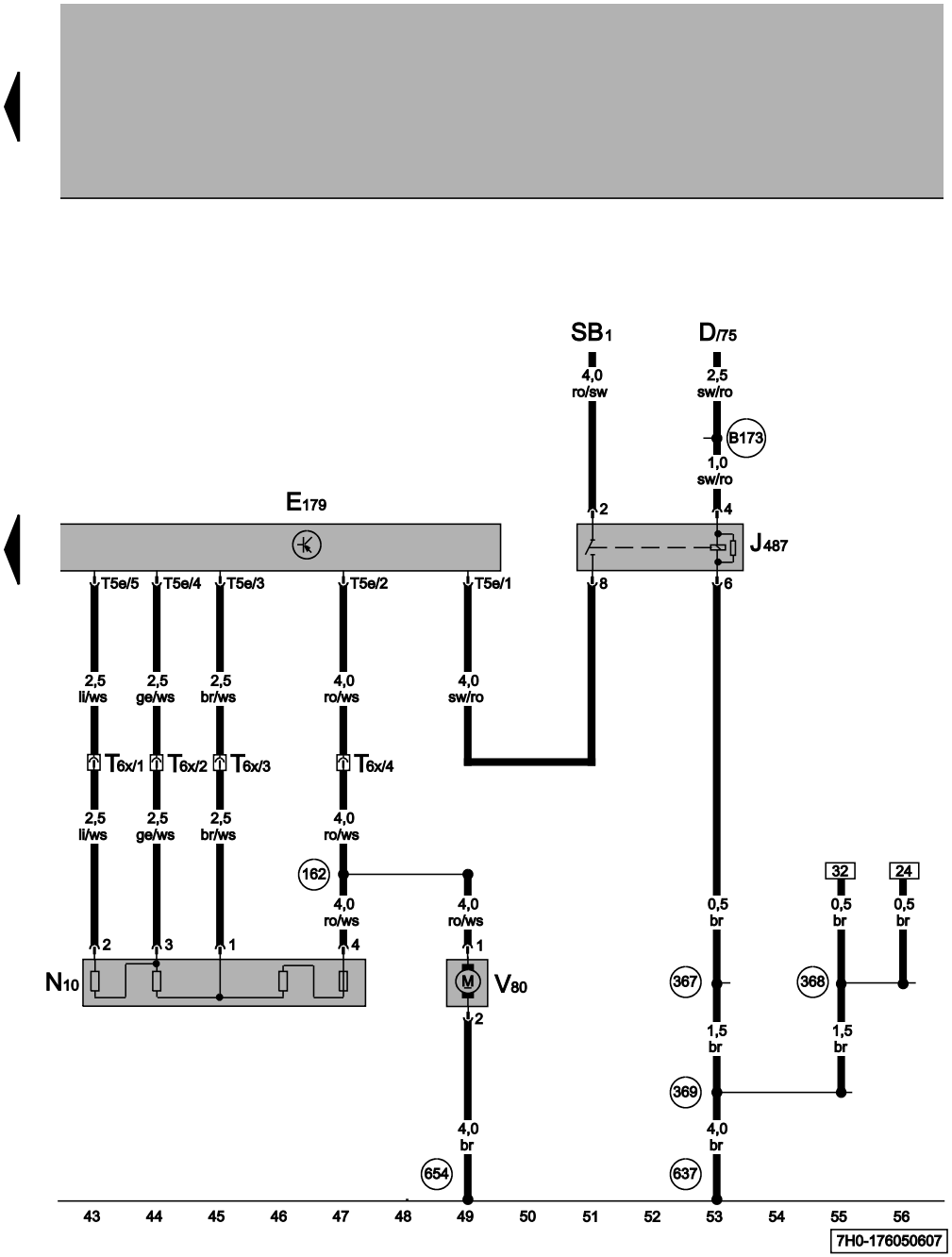
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	Is dropped from June 2006



Rear fresh air blower switch, evaporator temperature sensor, rear air distribution control motor, potentiometer for rear temperature flap motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, rear fresh air blower relay

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

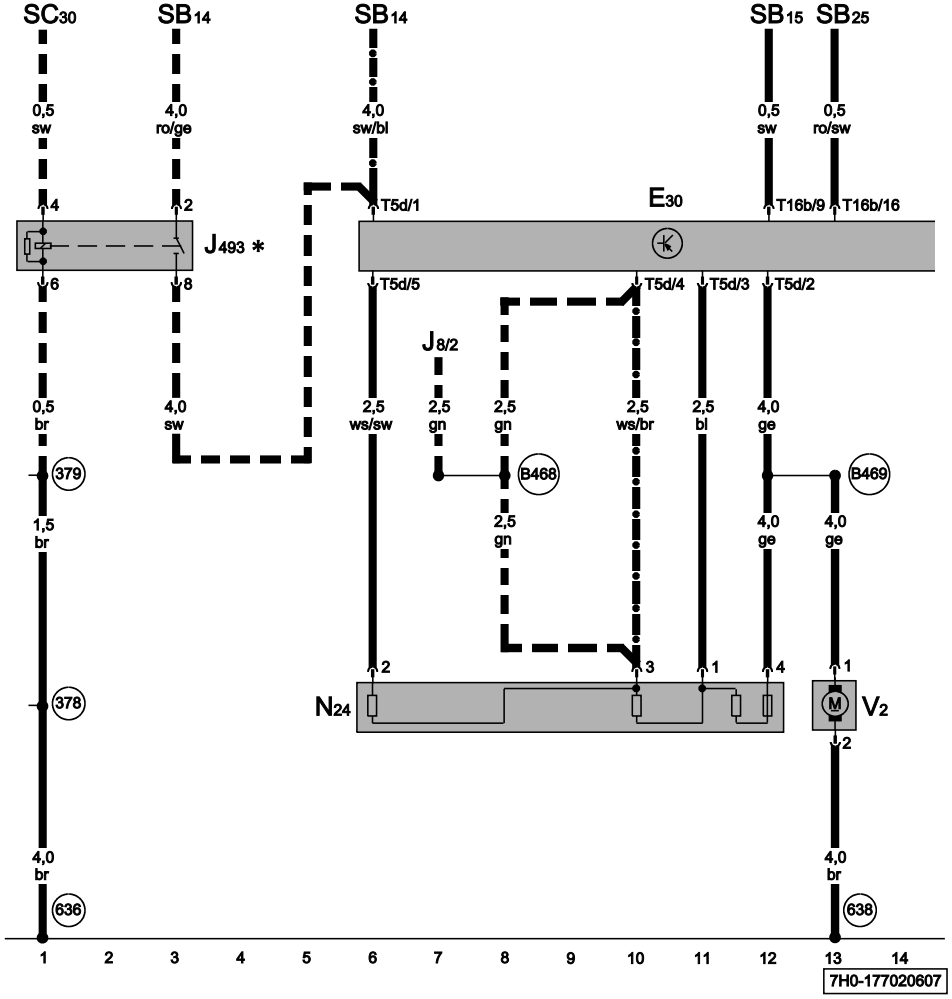
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **hybrid vehicle**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

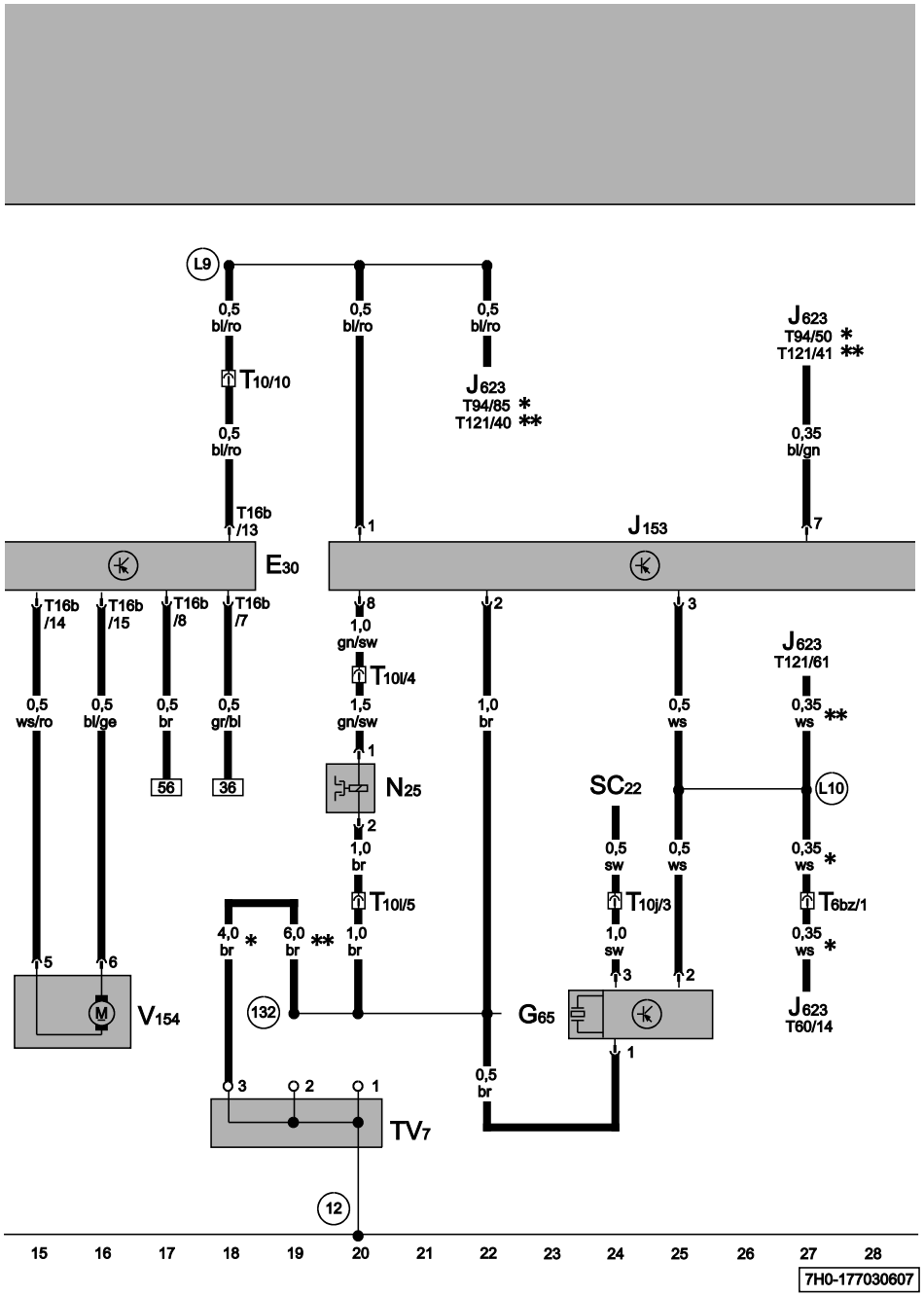


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

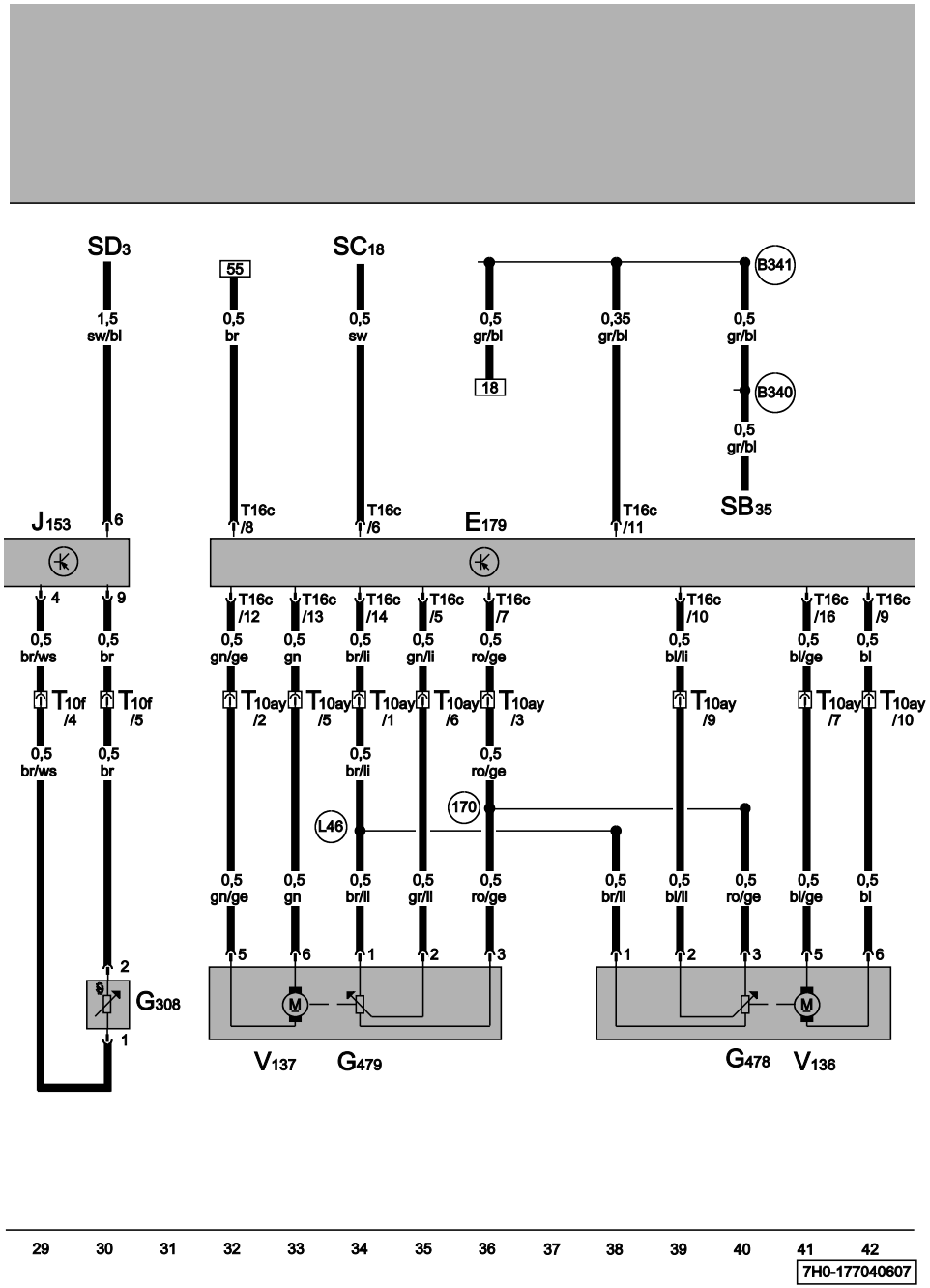
<fo:external-graphic src="../
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

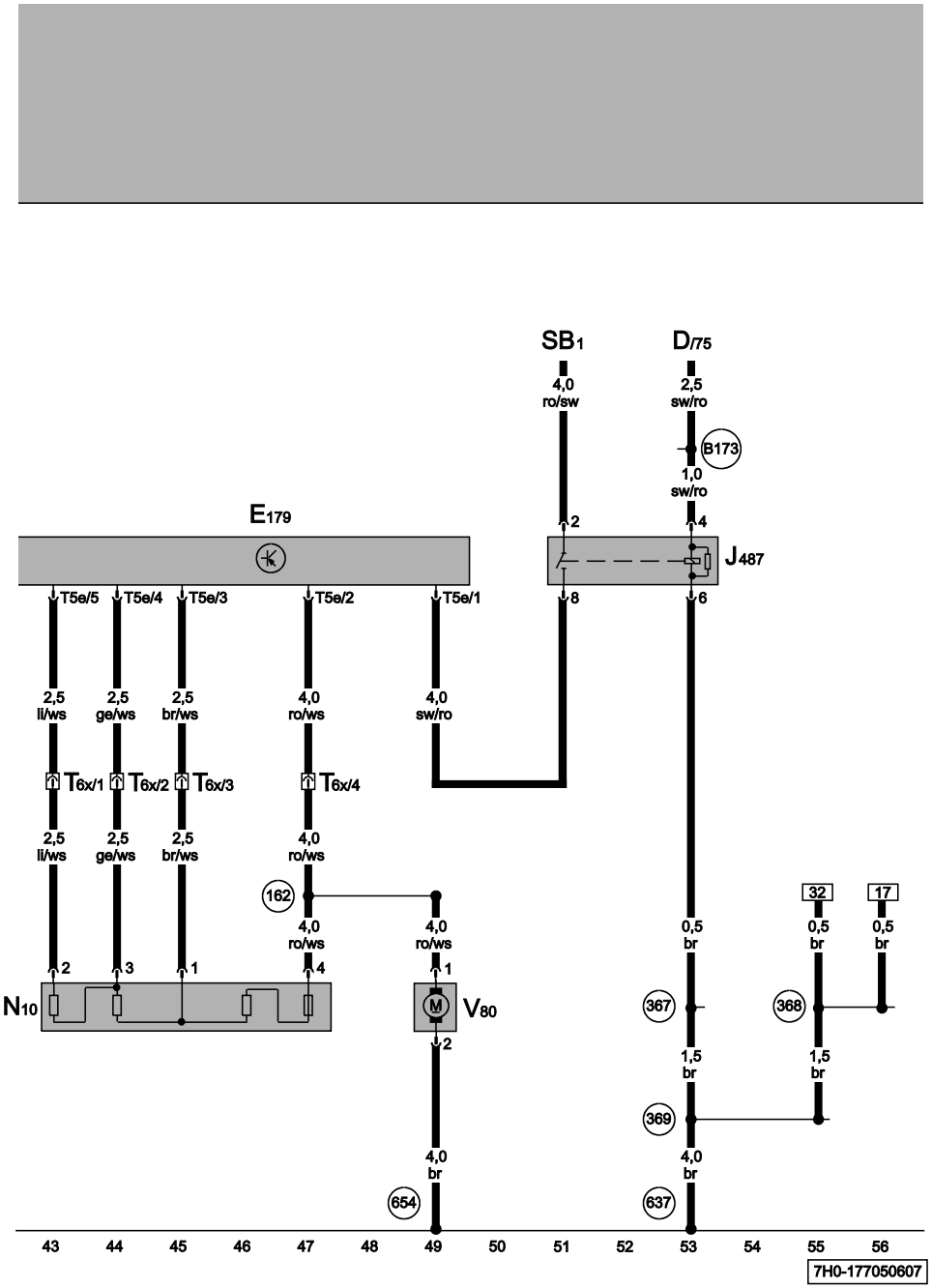
E30	Air conditioning system switch
G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only



Magnetic clutch control unit, evaporator temperature sensor, rear fresh air blower switch, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, rear fresh air blower relay

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

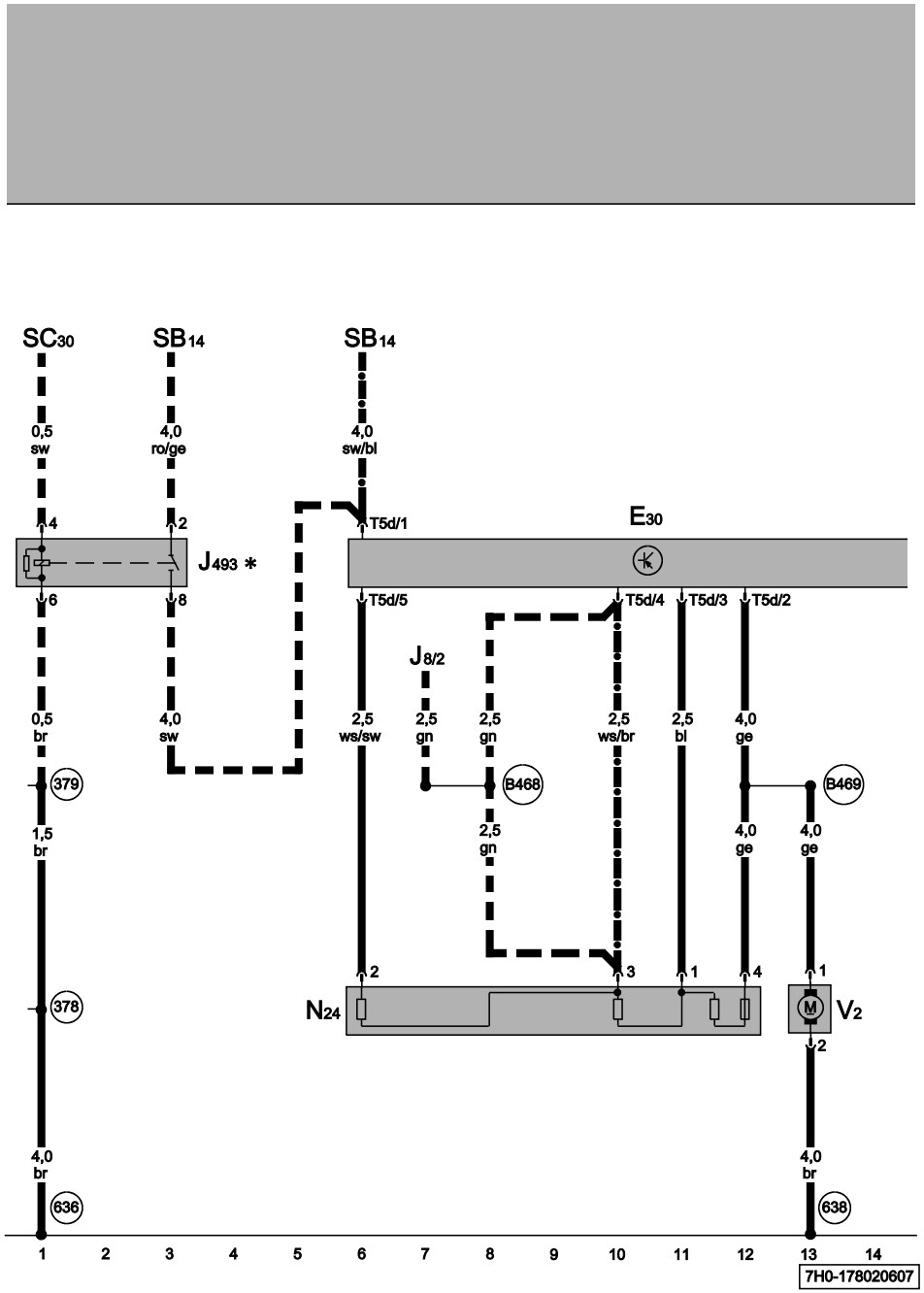
Air conditioning system - front, without 2nd heat exchanger

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

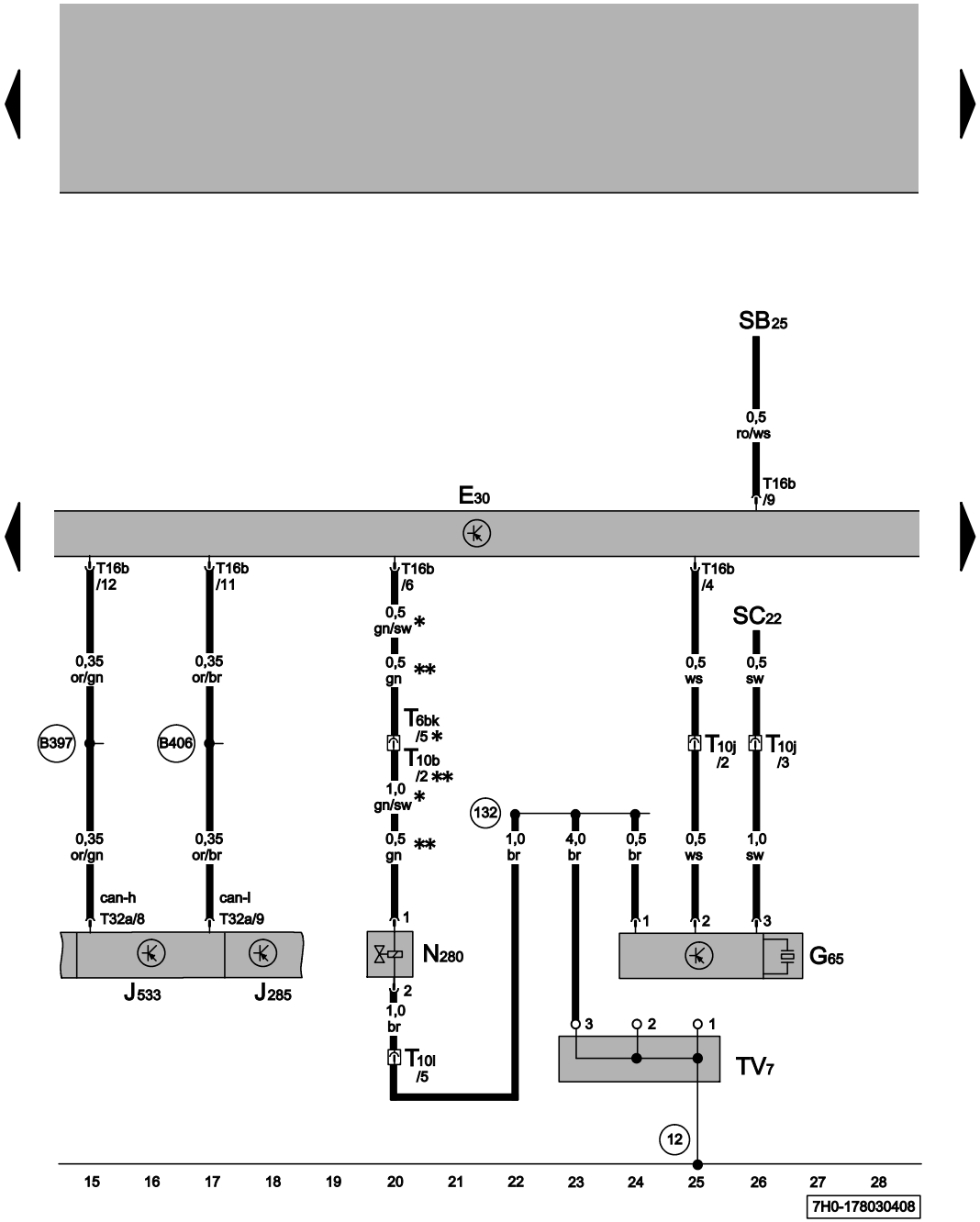
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

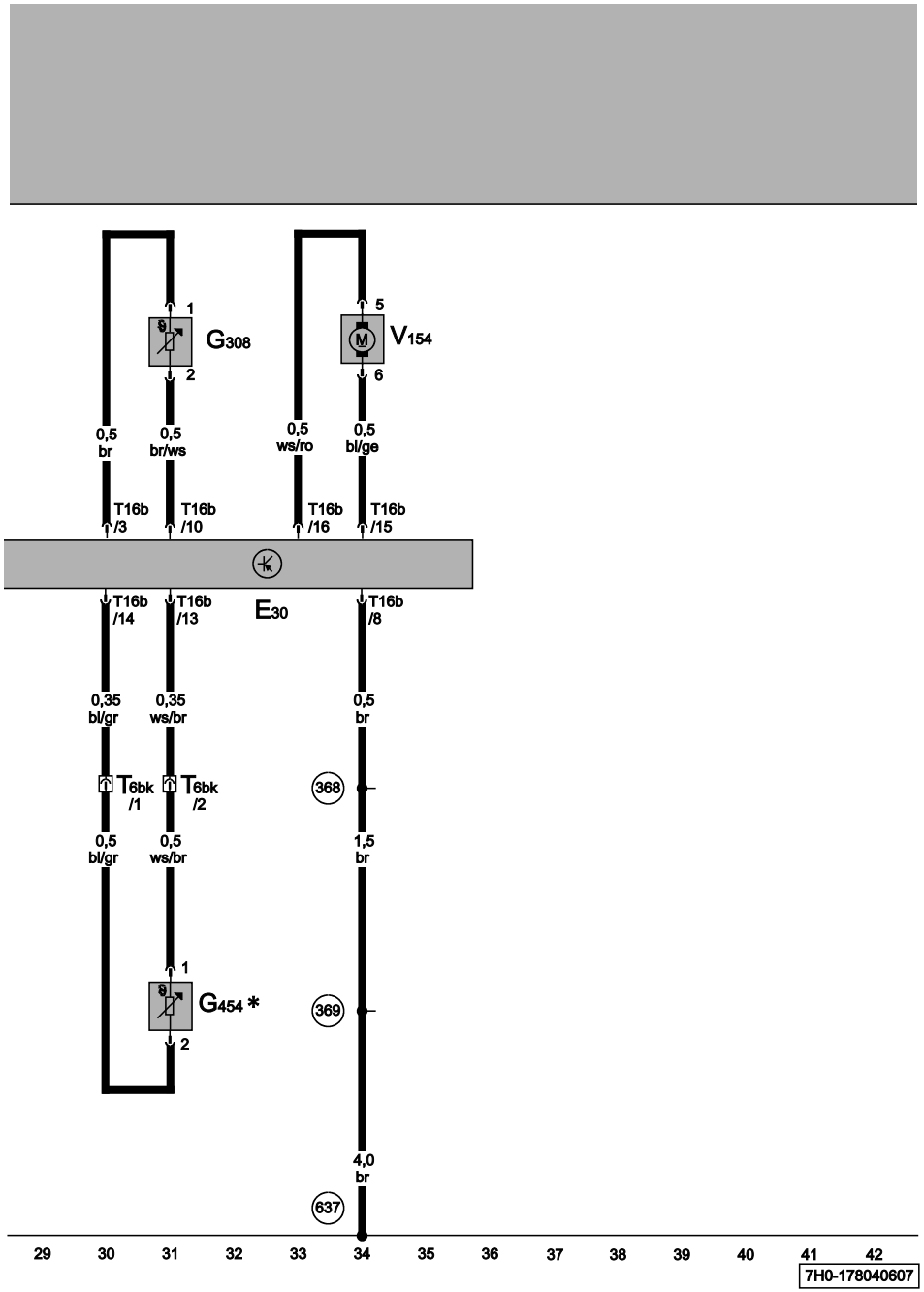
graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006



Air conditioning system switch, evaporator temperature sensor, refrigerant temperature sender, fresh air/ recirculated air flap control motor

E30	Air conditioning system switch
G308	Evaporator temperature sensor
G454	Refrigerant temperature sender
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	Is dropped from June 2006

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

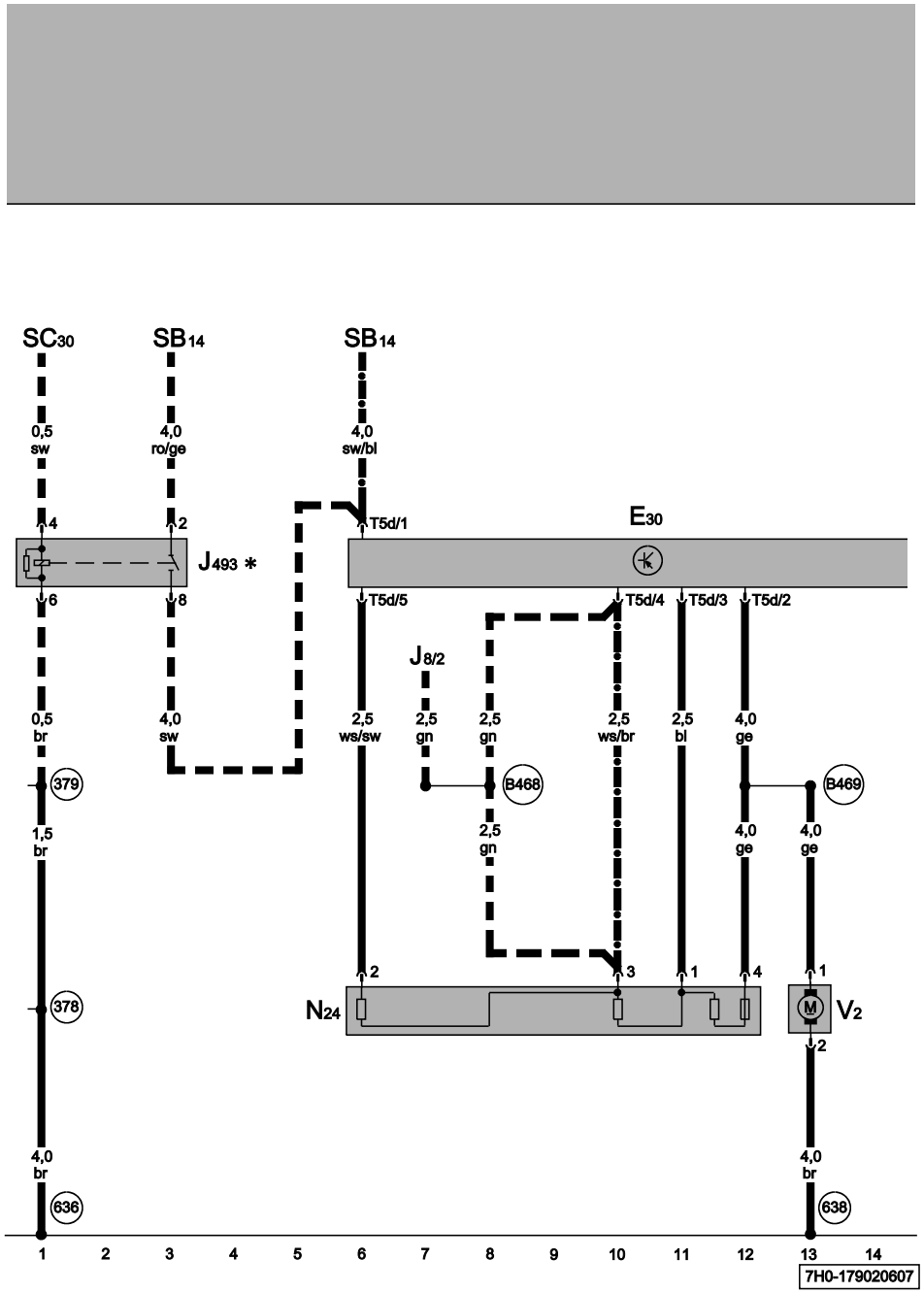
Air conditioning system - front, without 2nd heat exchanger

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

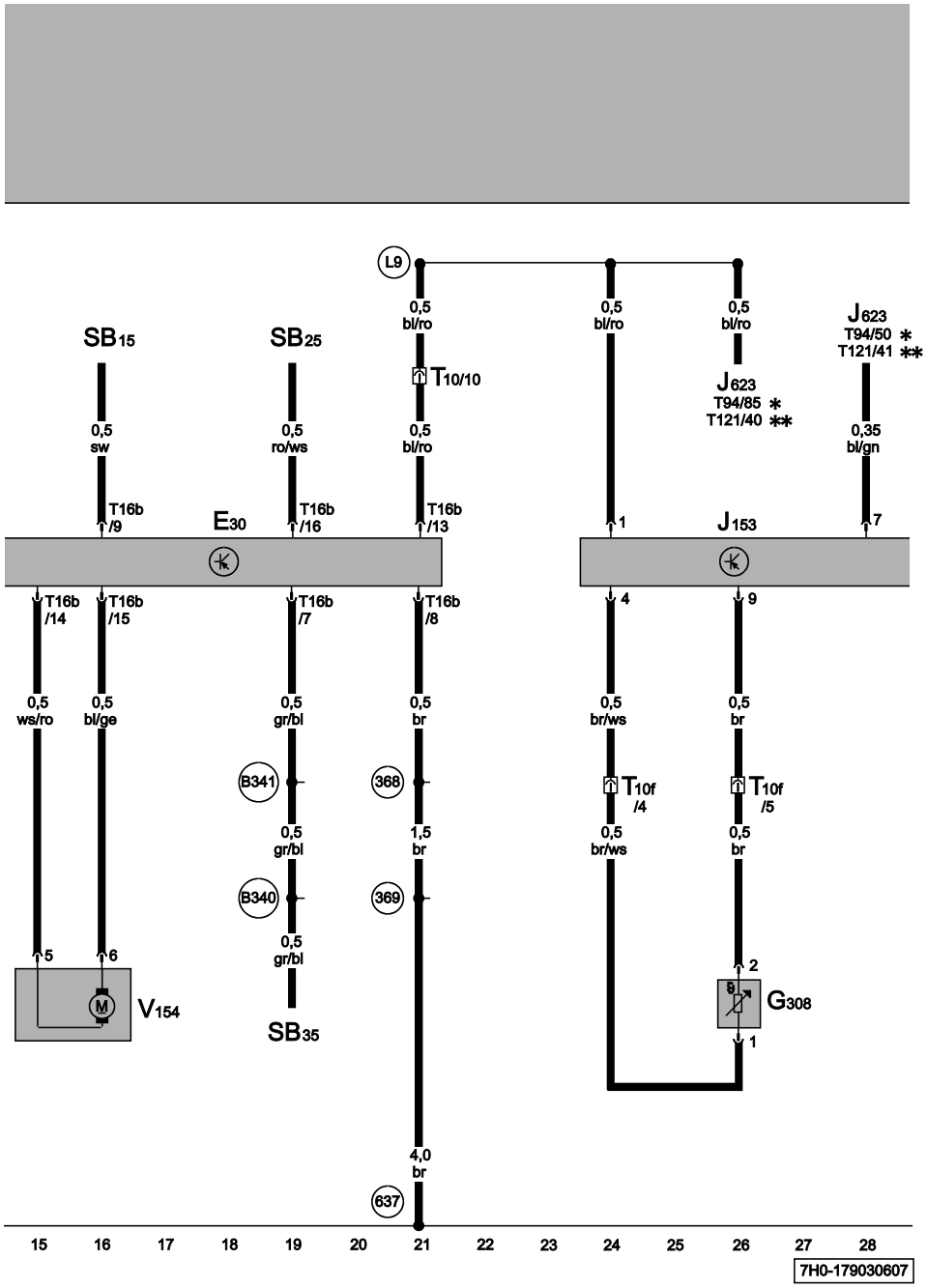
E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

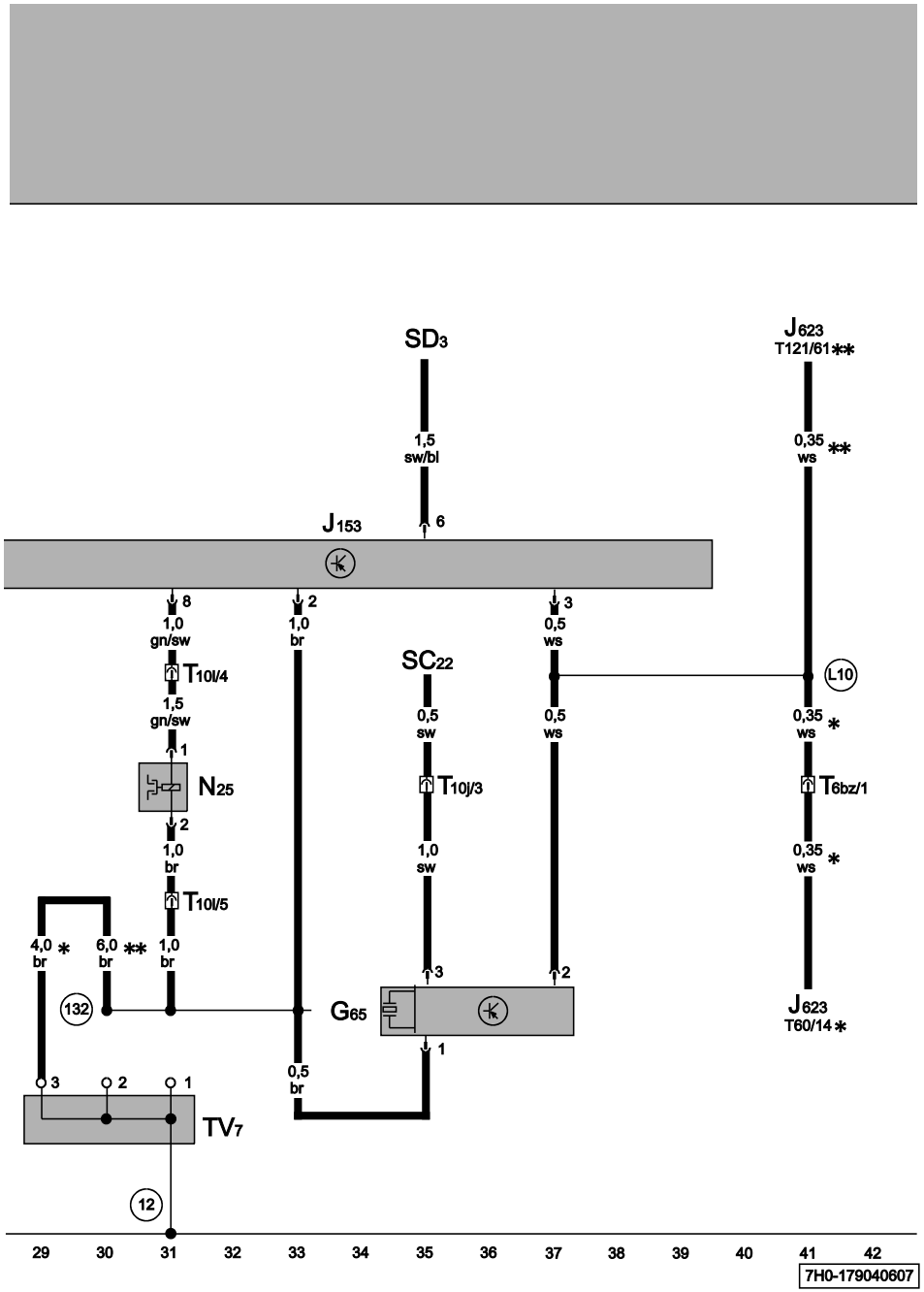
graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Air conditioning system switch, evaporator temperature sensor, magnetic clutch control unit, fresh air/recirculated air flap control motor

E30	Air conditioning system switch
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
J623	Engine control unit
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SB35	Fuse 35 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, magnetic clutch control unit, air conditioning system magnetic coupling

G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
SD3	Fuse 3 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only

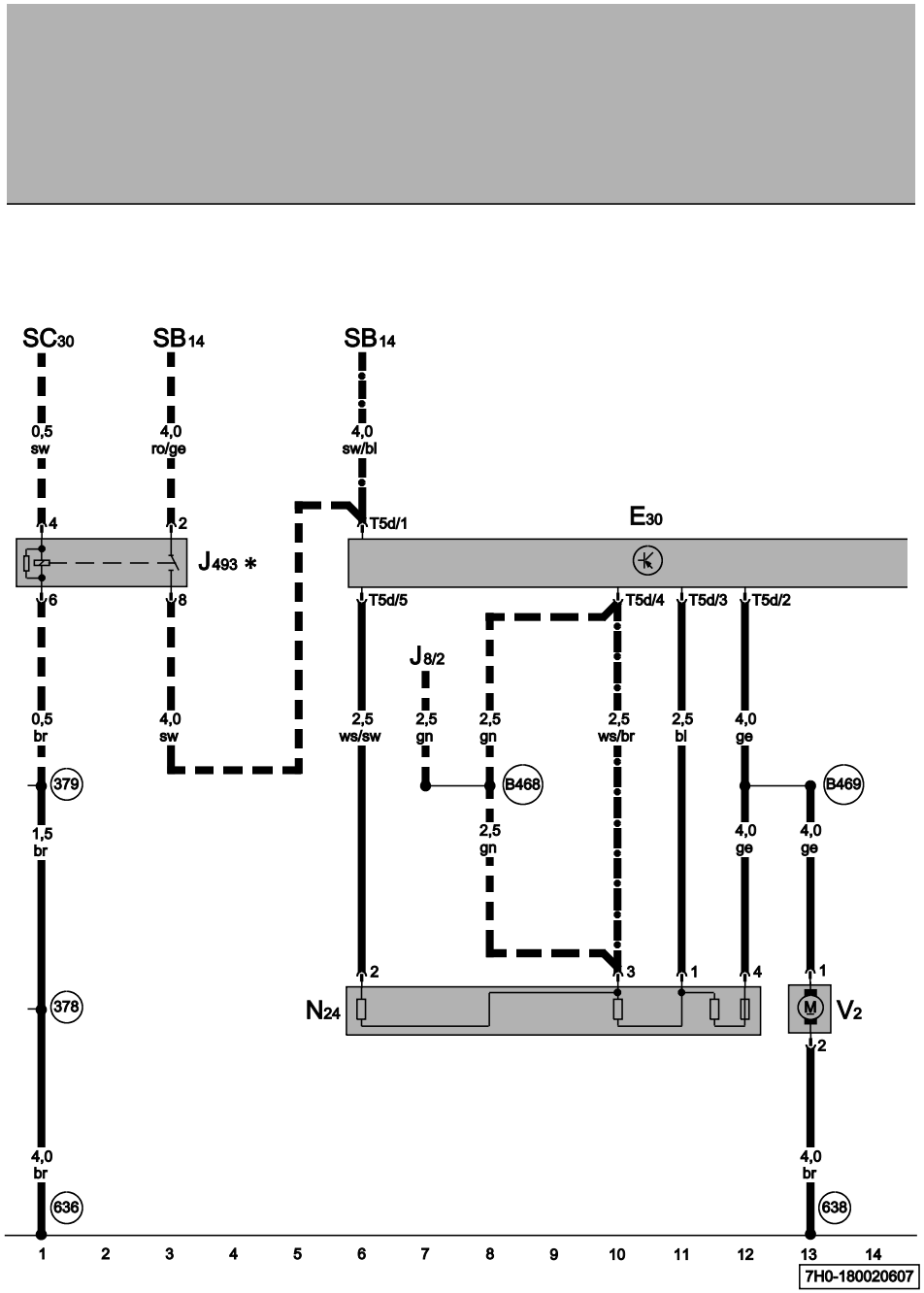
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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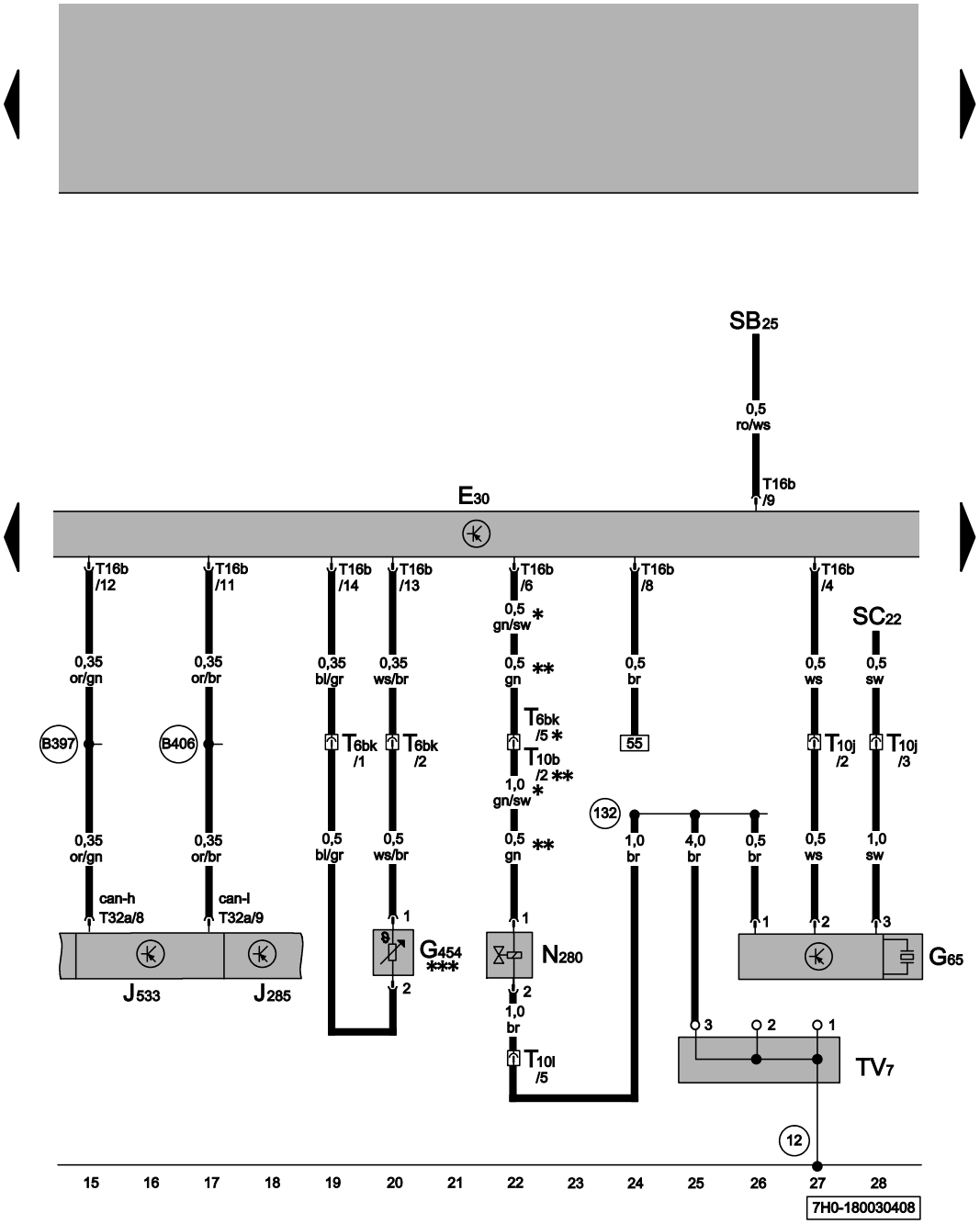
for models with auxiliary coolant heater only

<fo:external-

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

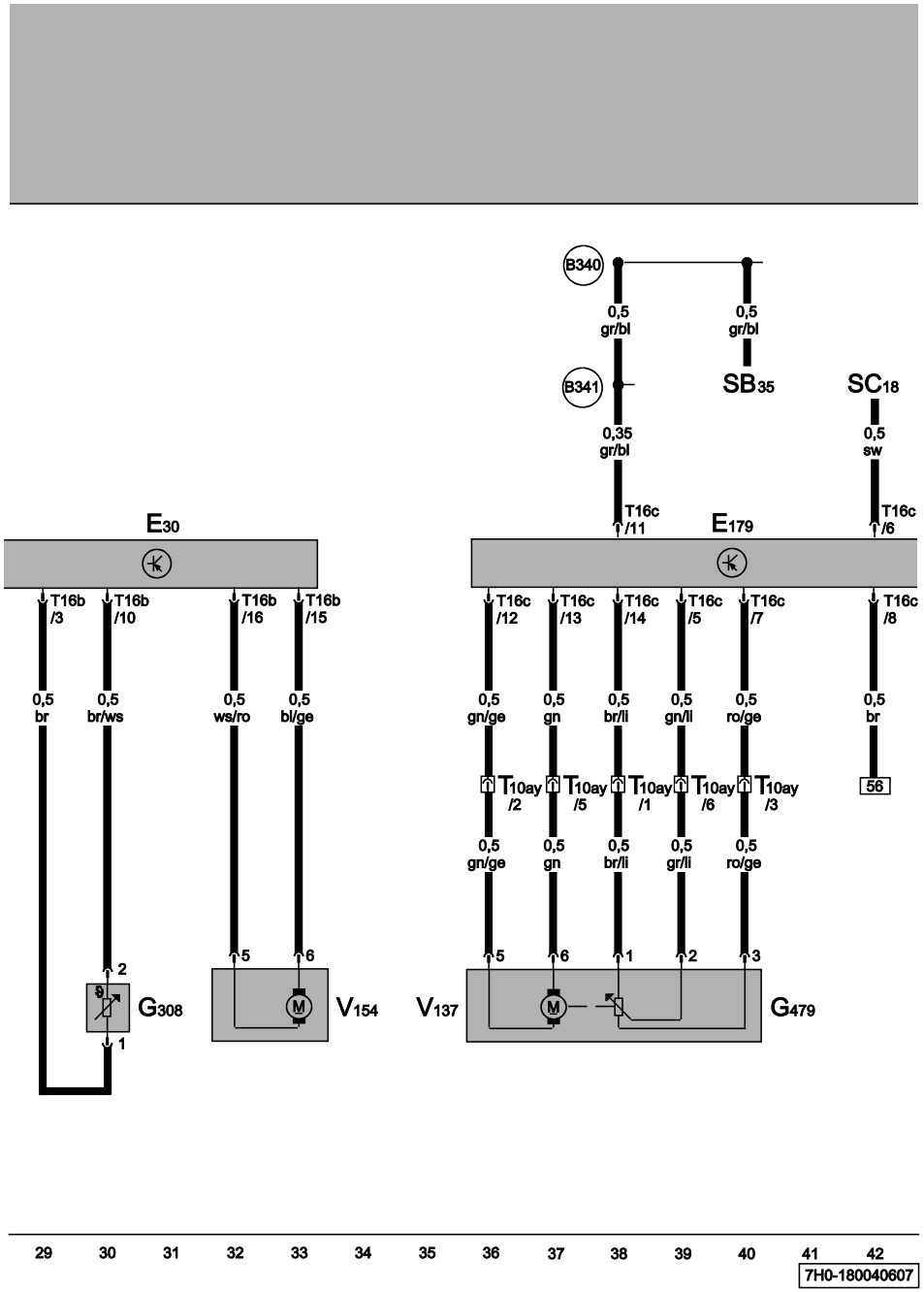
graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Refrigerant temperature sender, high pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

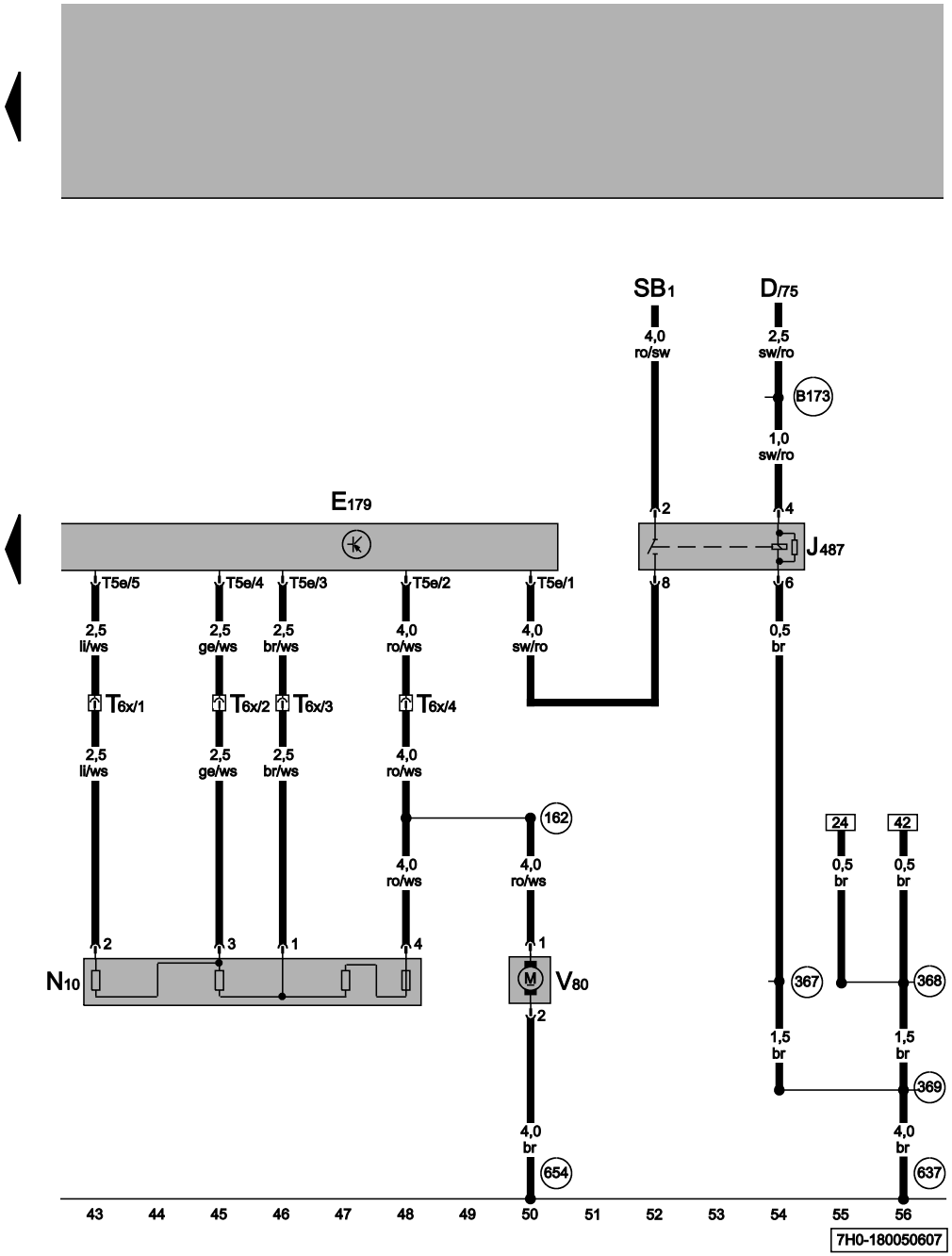
E30	Air conditioning system switch
G65	High pressure sender
G454	Refrigerant temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T6bk	6-pin connector, grey, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	Is dropped from June 2006



Air conditioning system switch, rear fresh air blower switch, evaporator temperature sensor, potentiometer for rear temperature flap control motor, fresh air and air recirculation flap control motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V137	Rear temperature flap control motor
V154	Fresh air/recirculated air flap control motor
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

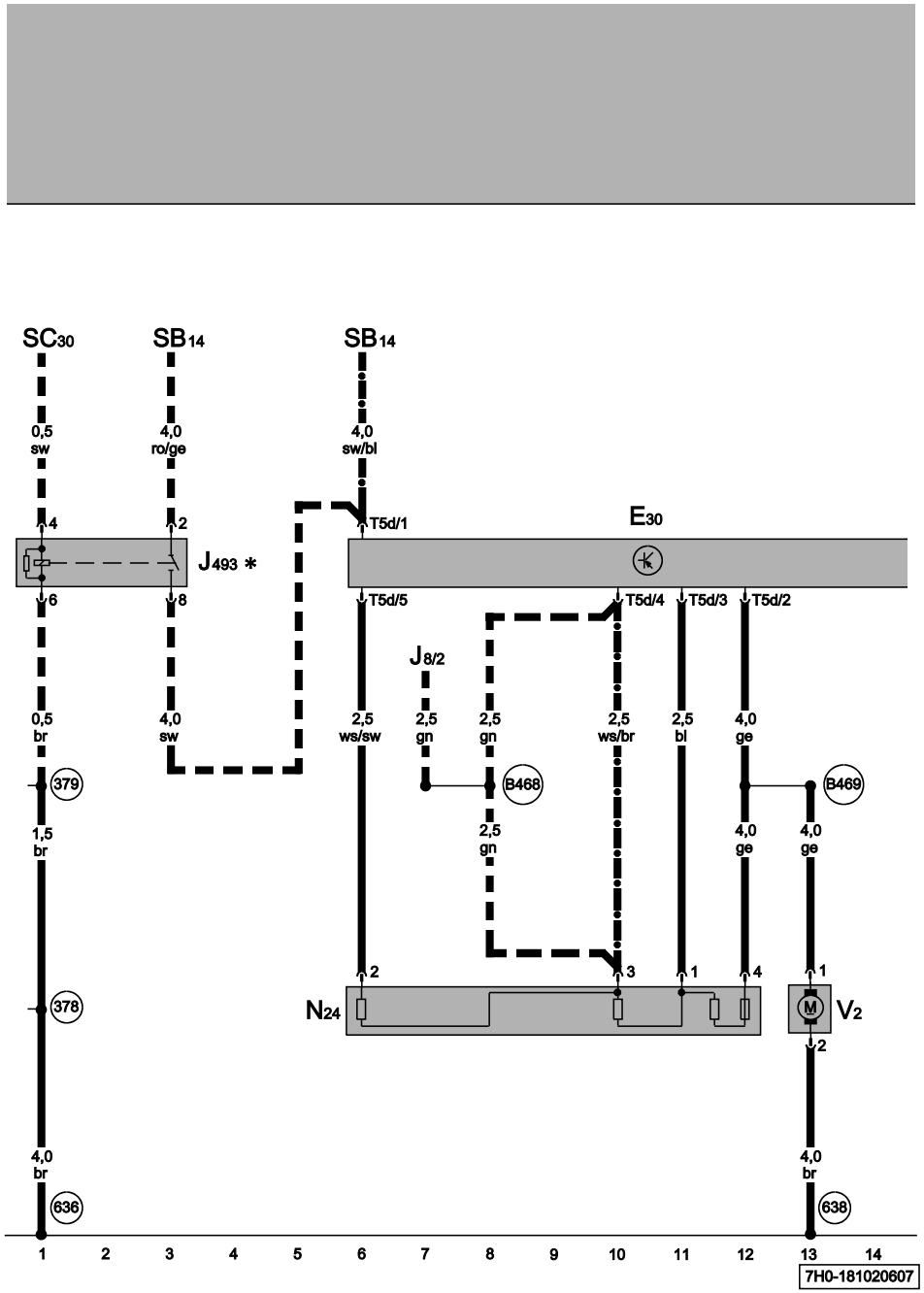
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting locations

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for models with auxiliary coolant heater only

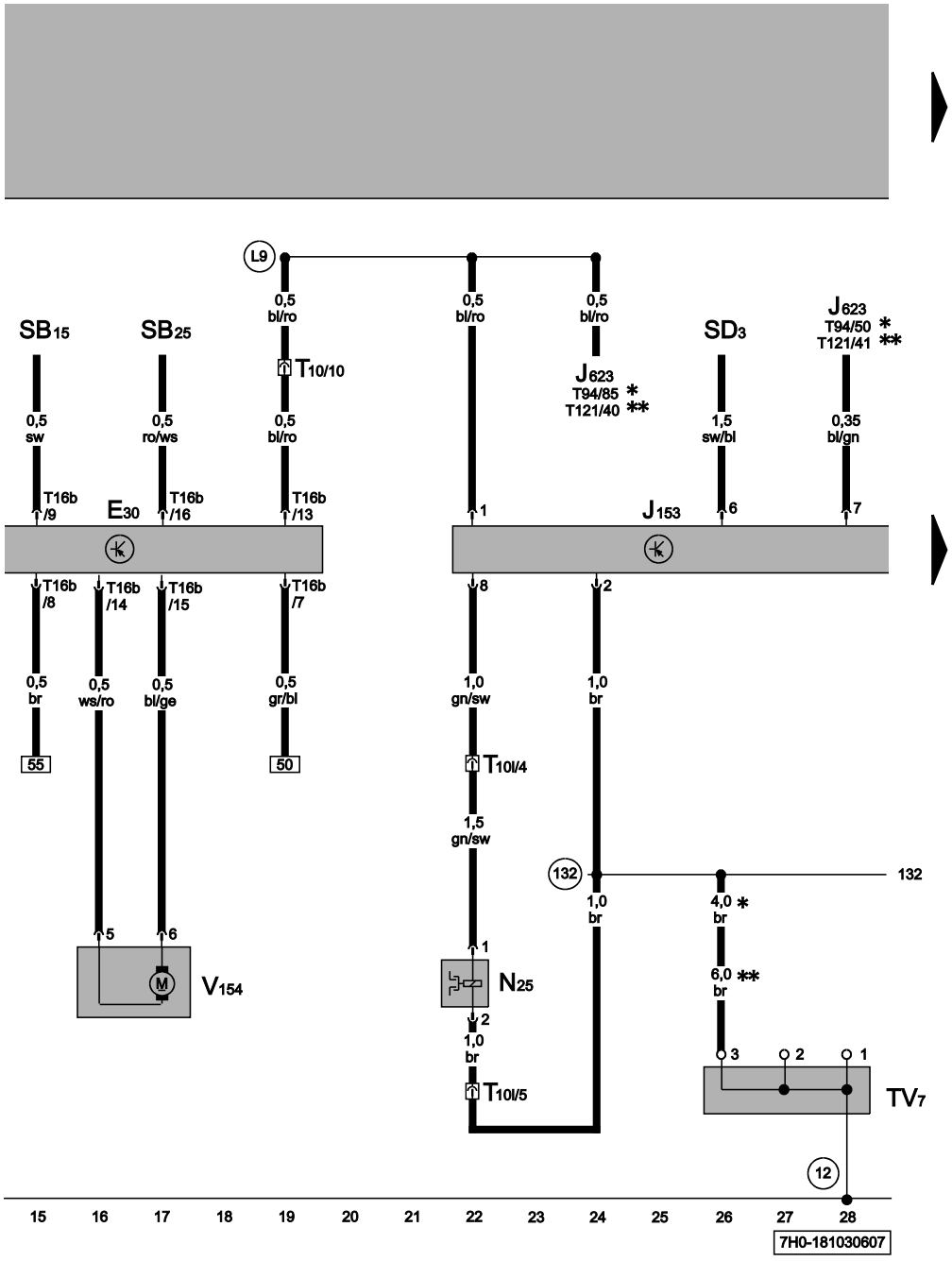
<fo:external-graphic
for models without auxiliary coolant heater only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

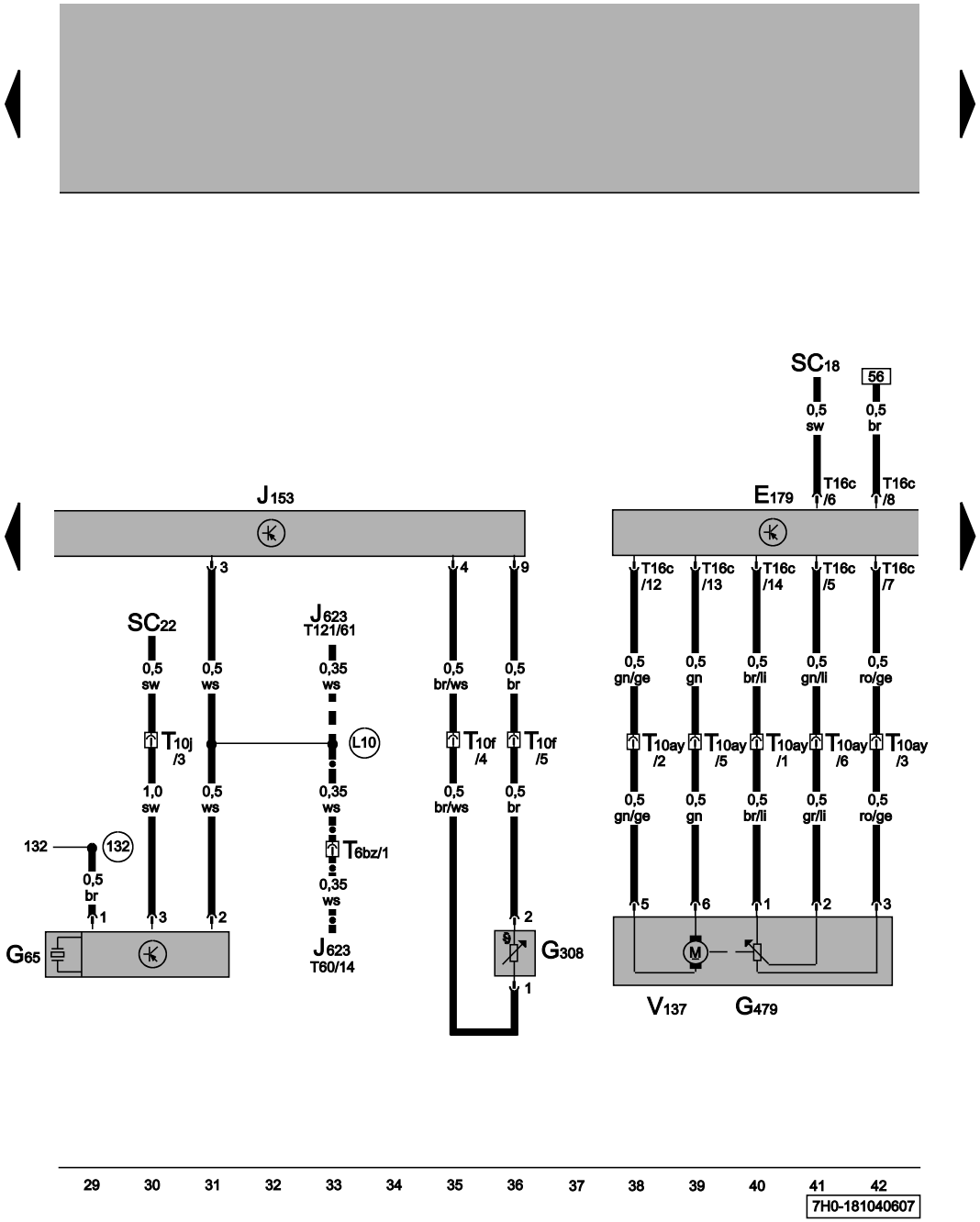
graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

E30	Air conditioning system switch
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	models with engine codes AXB, AXC, BRR, BRS only
**	for models with engine codes AXA, BDL, BDM, BKK only



Rear fresh air blower switch, evaporator temperature sensor, high pressure sender, magnetic clutch control unit, rear temperature flap control motor, potentiometer for rear temperature flap control motor

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
J623	Engine control unit
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
V137	Rear temperature flap control motor
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>

models with engine codes AXB, AXC, BRR, BRS only

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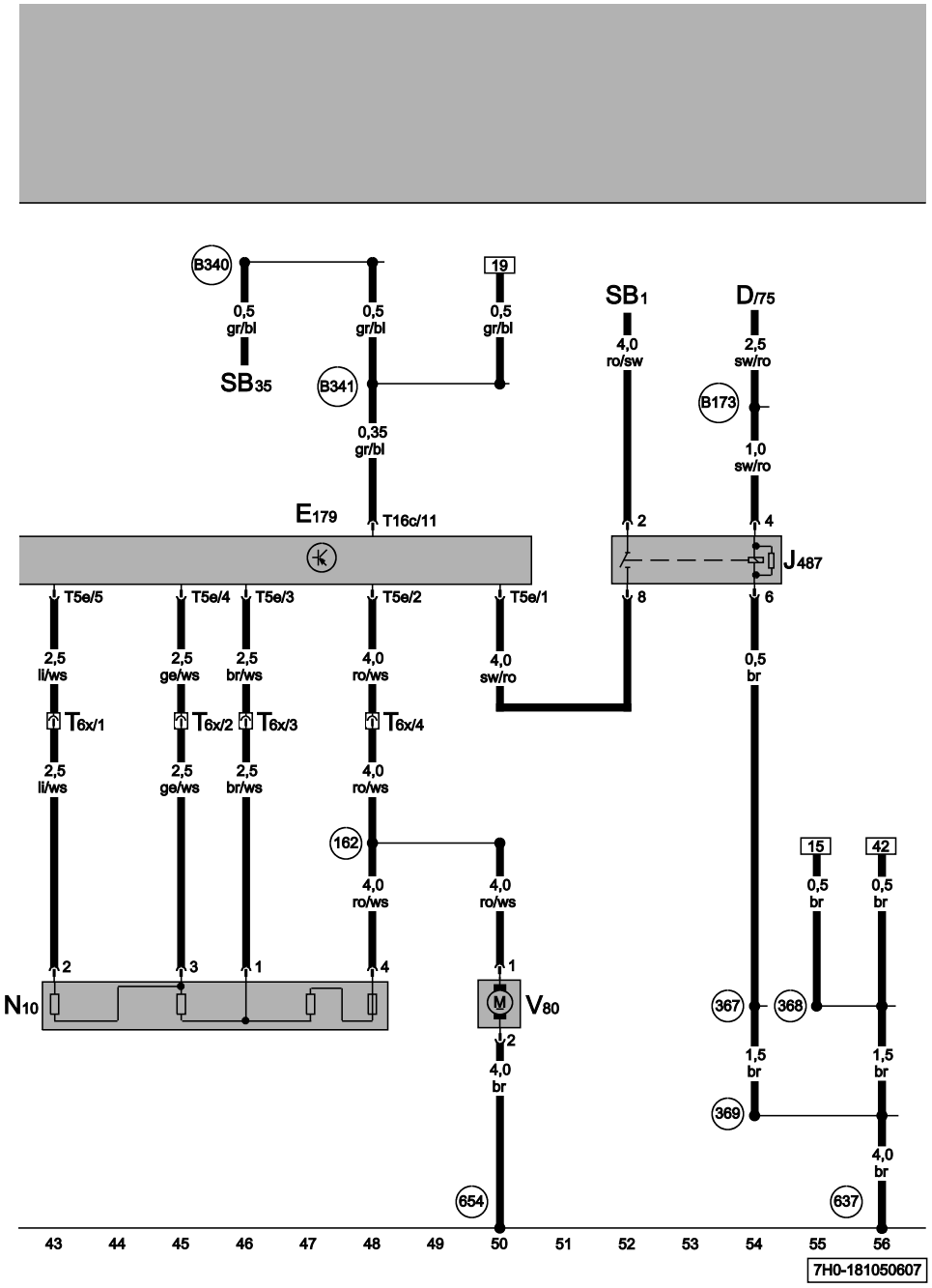
for models with engine codes AXA, BDL, BDM, BKK only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower



ws	= white
sw	= black
ro	= red
br	= brown
gn	= green
bl	= blue
gr	= grey
li	= purple
ge	= yellow
or	= orange
rs	= pink

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
SB35	Fuse 35 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16c	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

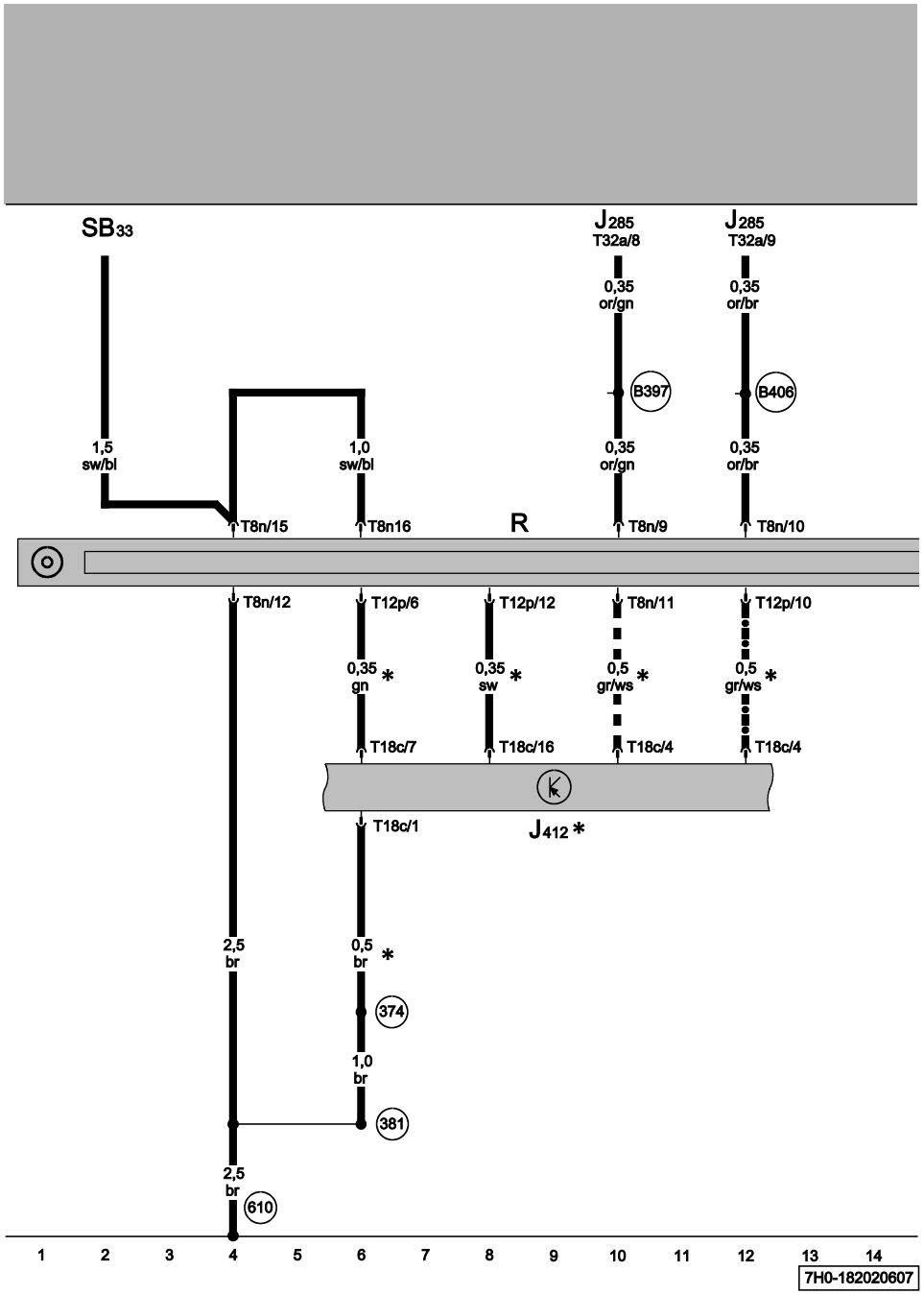
Radio system Delta (8UT), R110 (8YG), RCD200 (8UA), RCD200 MP3 (8AN)

⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Radio voltage supply, mobile telephone operating electronics control unit

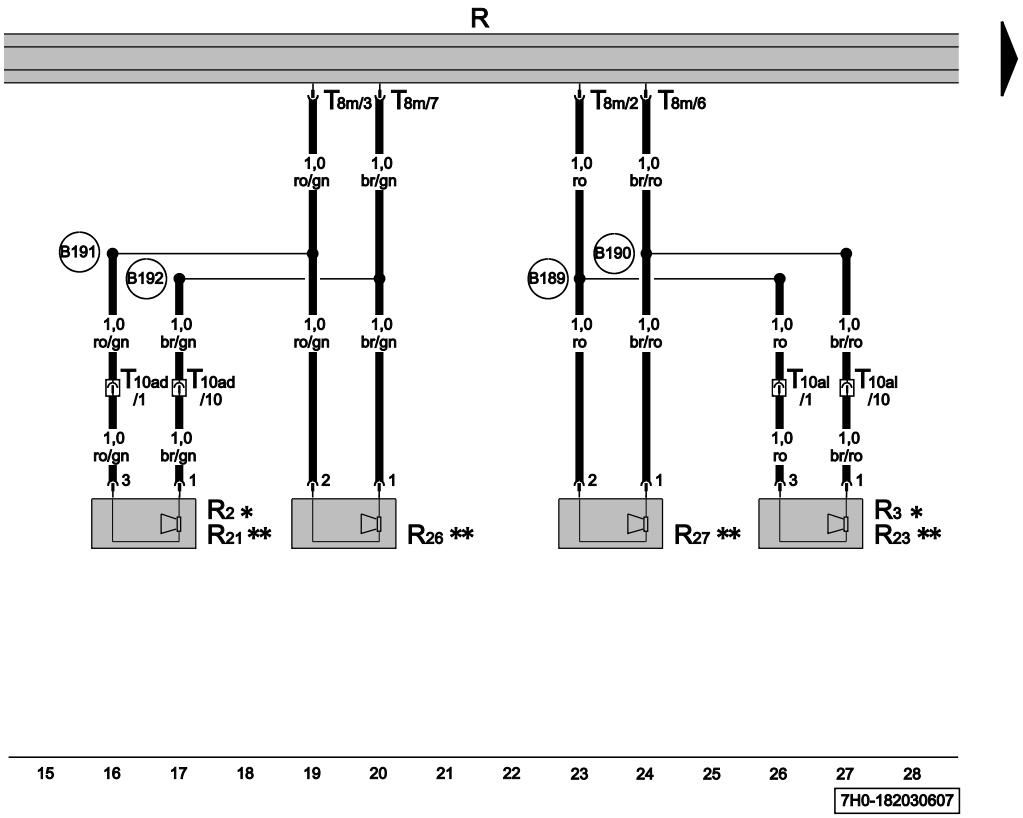
J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with radio Delta (8UT), RCD200 (8UA), RCD200 MP3 (8AN) only
<fo:external-graphic src="../PDOC/samba/tools/	for models with radio R110 (8YG) only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>



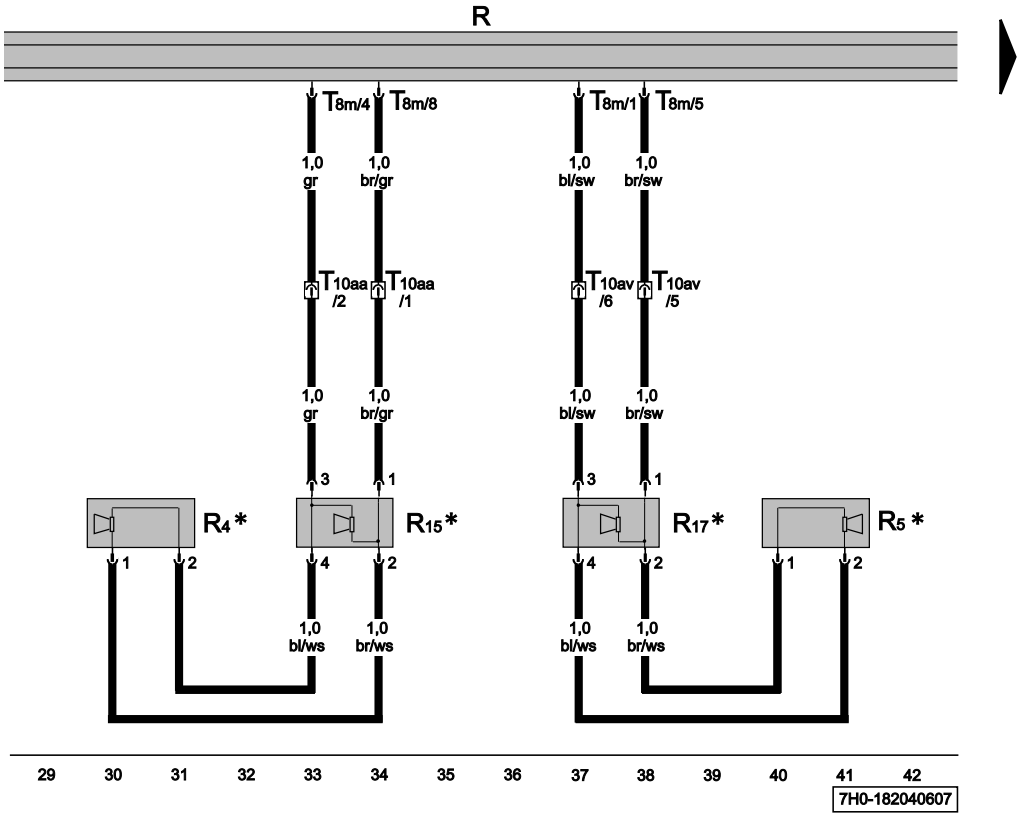


Radio, front loudspeakers

R	Radio
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



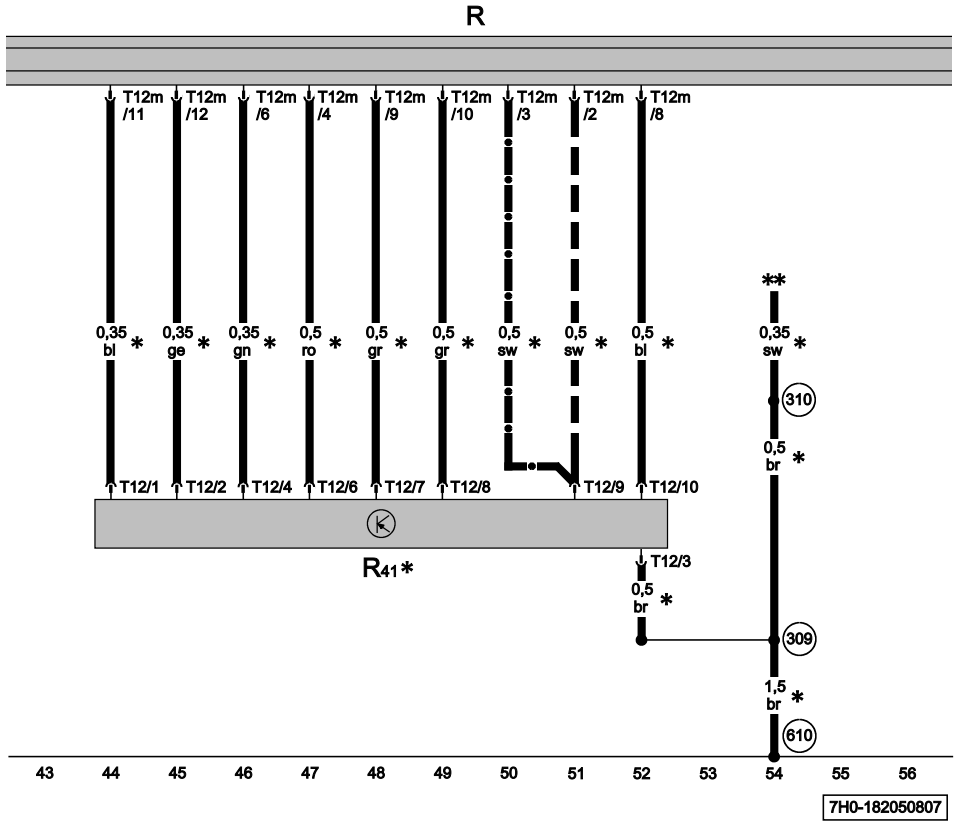


Radio, rear loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



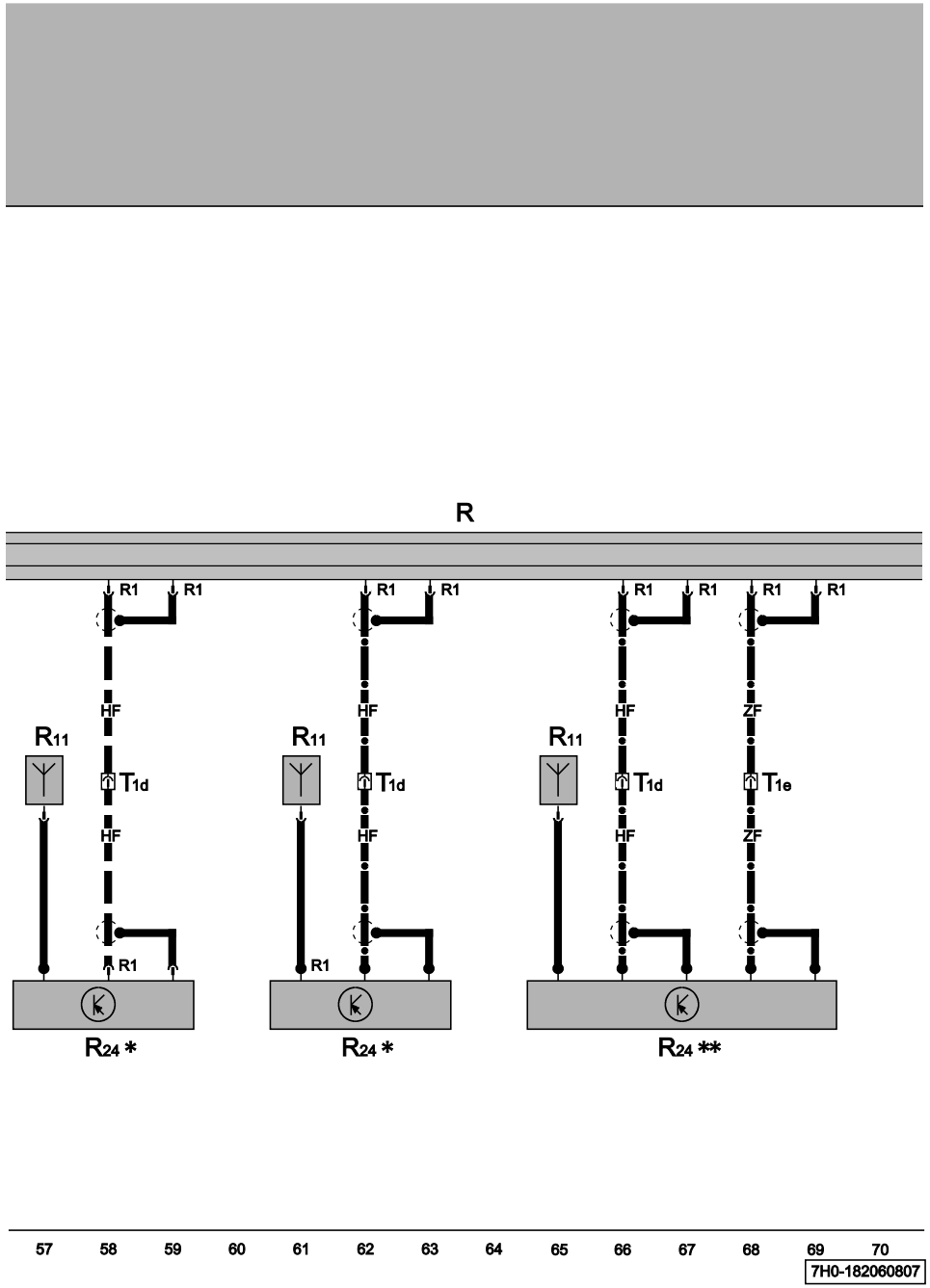


Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with radio Delta (8UT), RCD200 (8UA), RCD200 MP3 (8AN) only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="	for models with radio R110 (8YG) only

ws = white

sw	=	black	uniform"/
ro	=	red	>
br	=	brown	
gn	=	green	
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

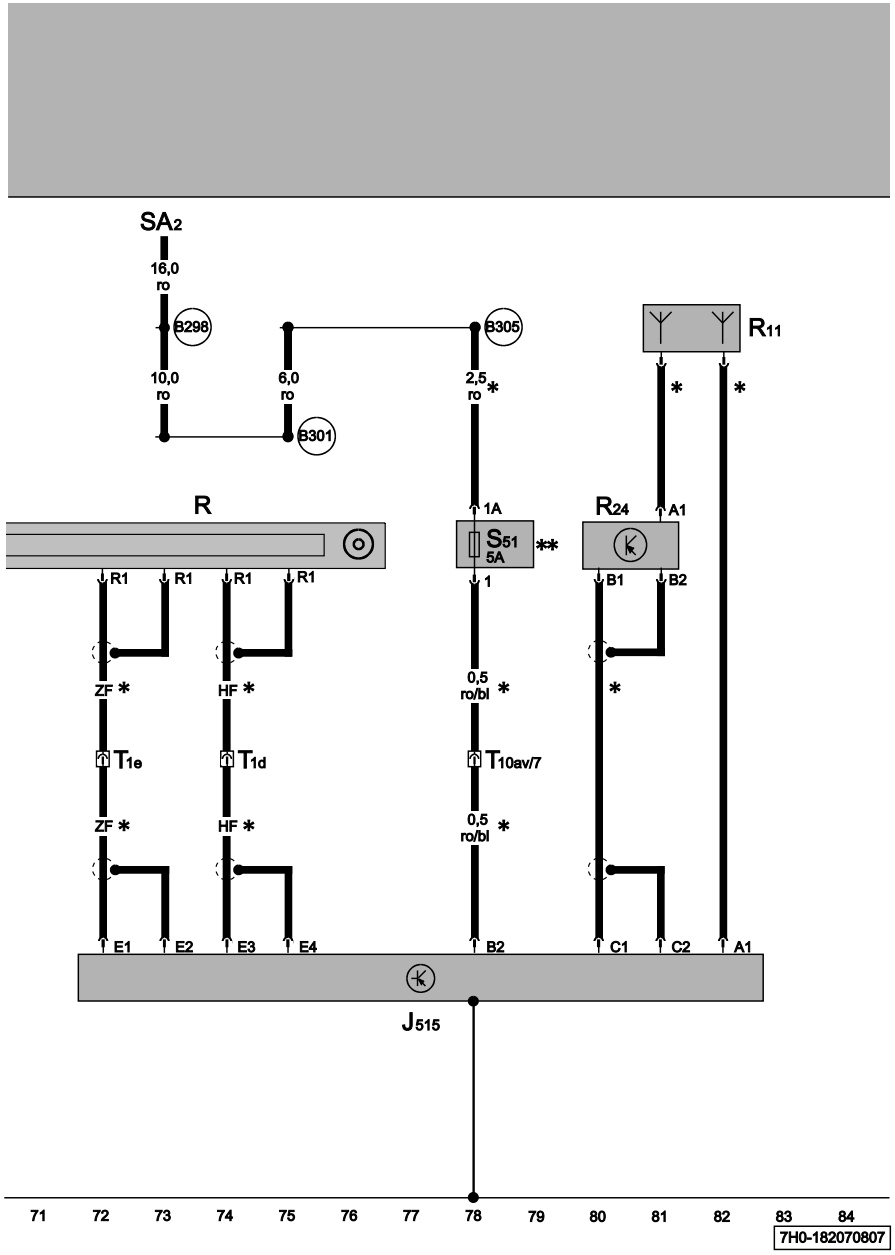
Radio, aerial, aerial amplifier

R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
*	for models with radio R110 (8YG), RCD200 (8UA), RCD200 MP3 (8AN) only
**	for camper with radio Delta (8UT) only

<fo:exter for models with aerial in side window only
nal-
graphic
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tools/
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m_m.png
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<fo:exter for models with aerial in windscreen only
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samba/
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m_k_m.p
ng"
content-
width="2
0pt"
scaling="
uniform"/
>

Radio, aerial selection control unit, aerial, aerial amplifier



J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with radio Delta (8UT) and diversity window aerial (8L6) only, not for camper
**	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

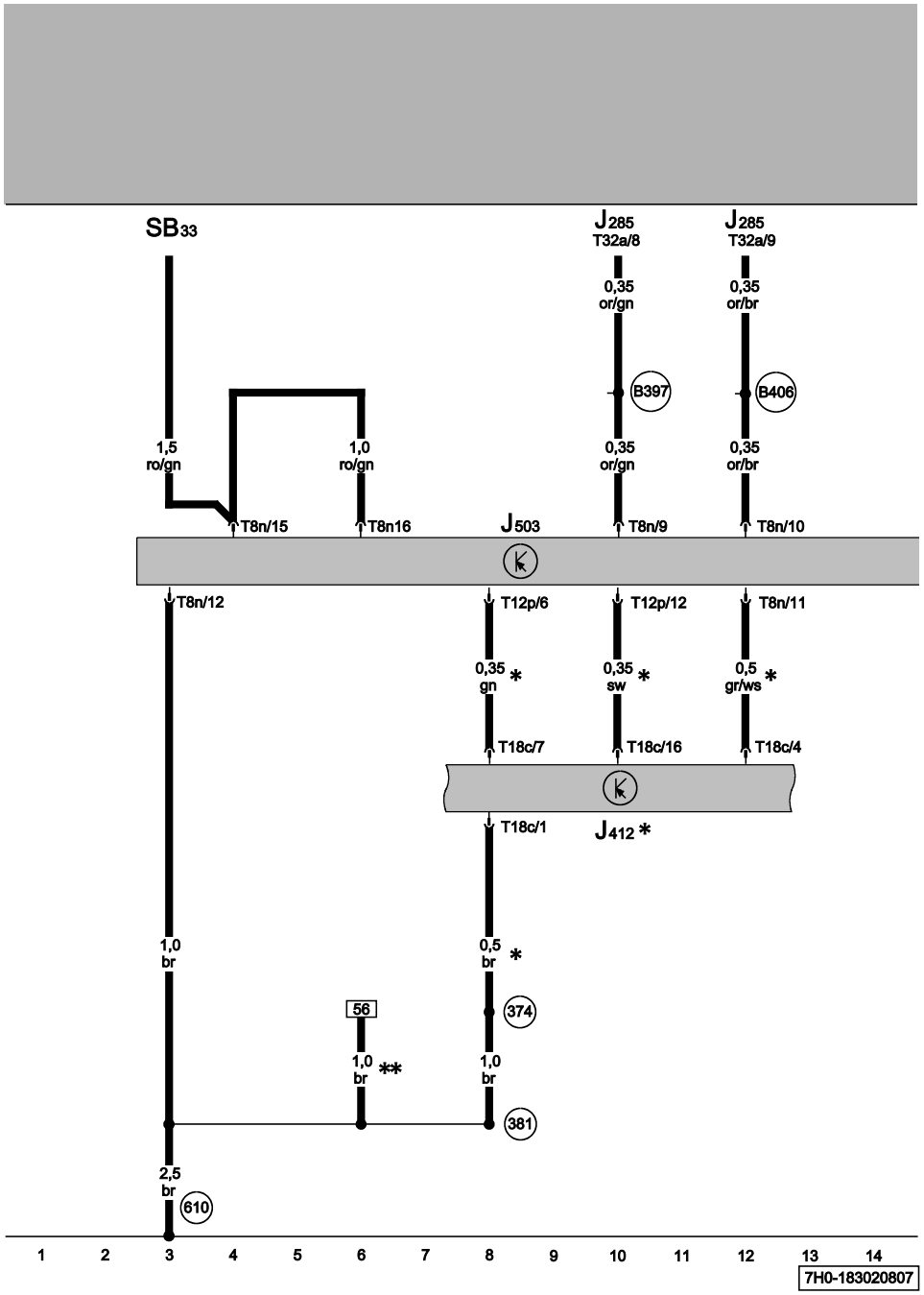
Radio and navigation system with colour display (7Q2)

⇒ **8 loudspeakers (8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



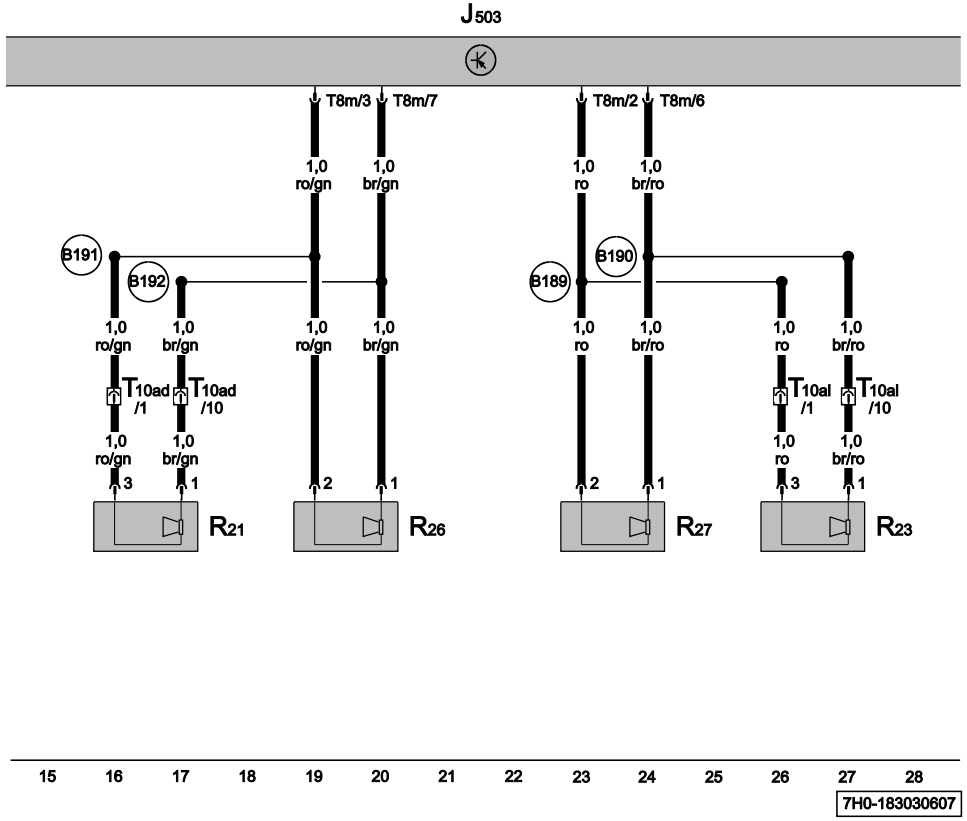
Navigation system voltage supply, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with multimedia bus for external audio source (9WL) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, front loudspeaker

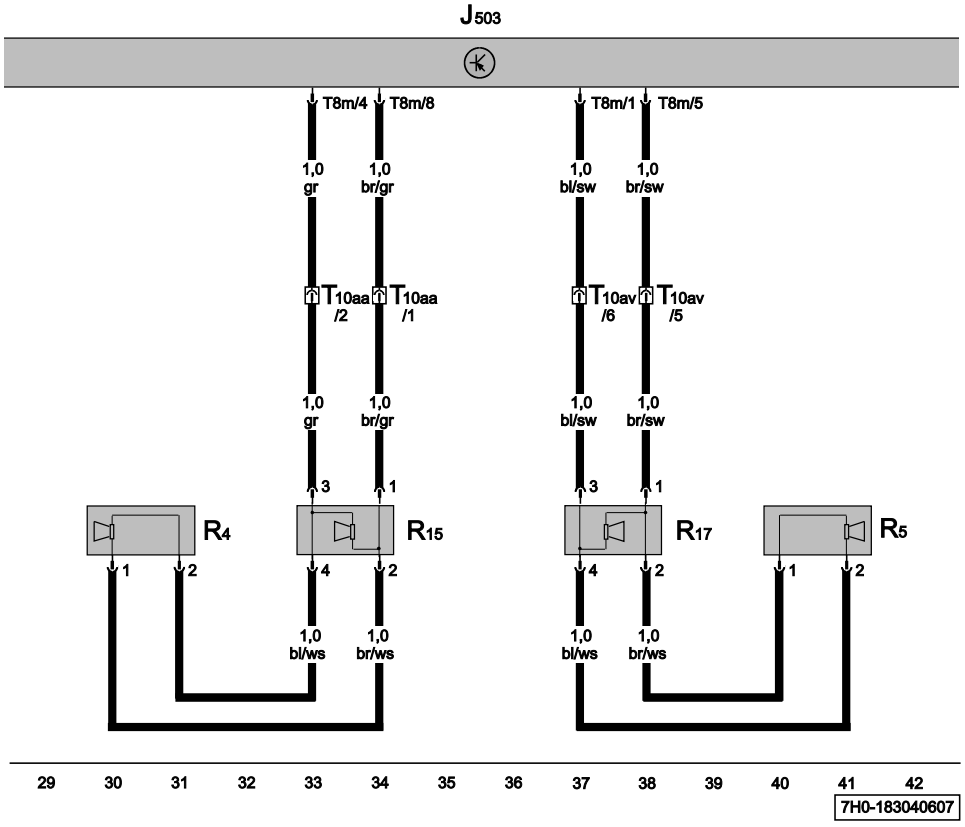
J503	Control unit with display for radio and navigation system
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, rear loudspeaker

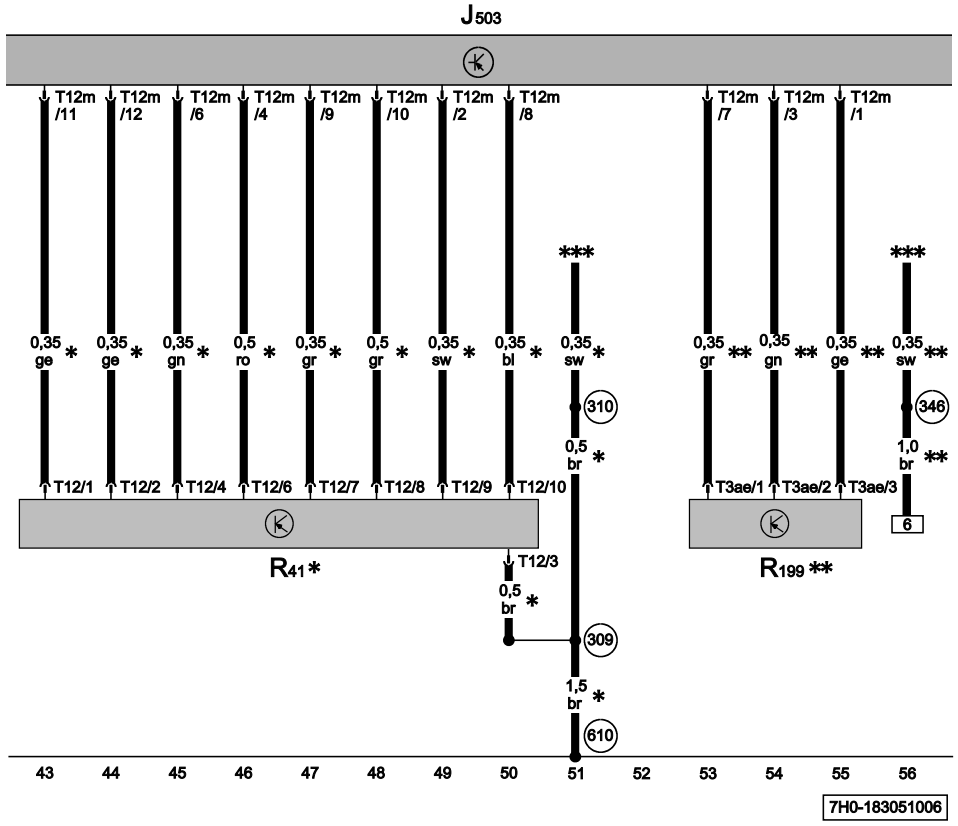
J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



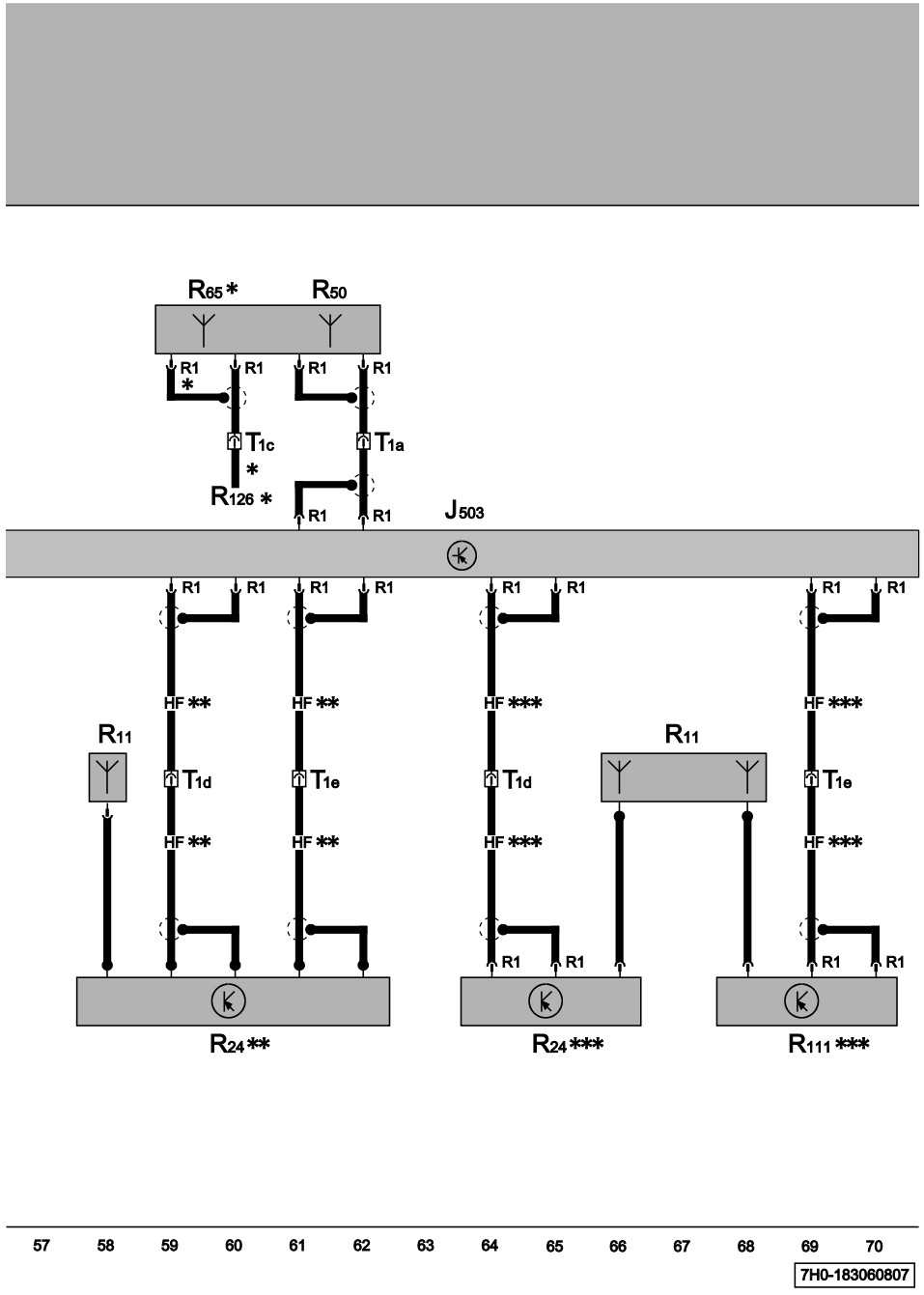
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R50	Navigation system aerial
R65	Telephone aerial
R111	Aerial amplifier 2
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with aerial in windscreen (camper) only
***	for models with aerial in side window (multivan) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

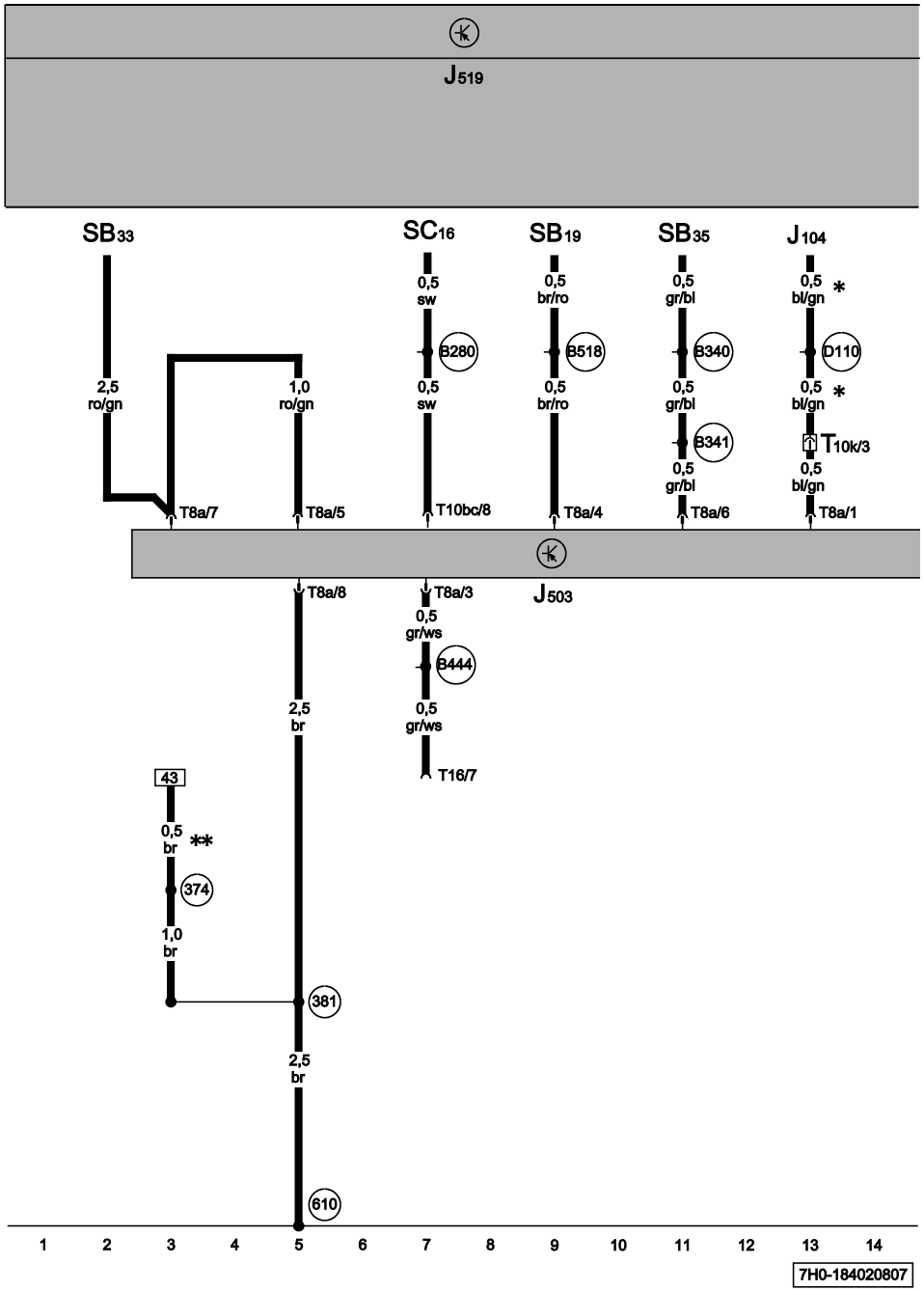
Radio and navigation system with monochrome display (7Q5)

⇒ **2, 4 or 8 loudspeakers (8RD/8RE/8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

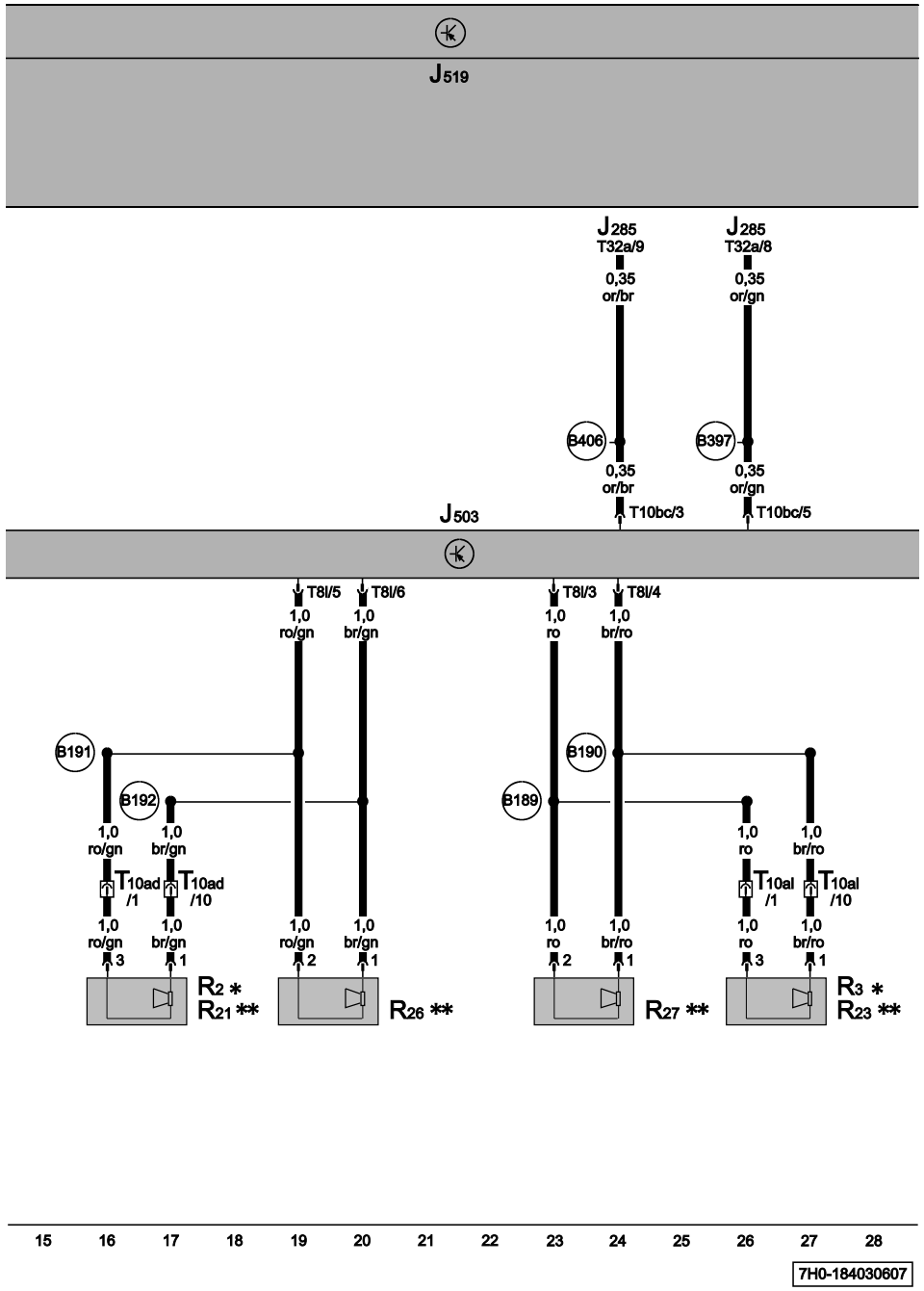
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply

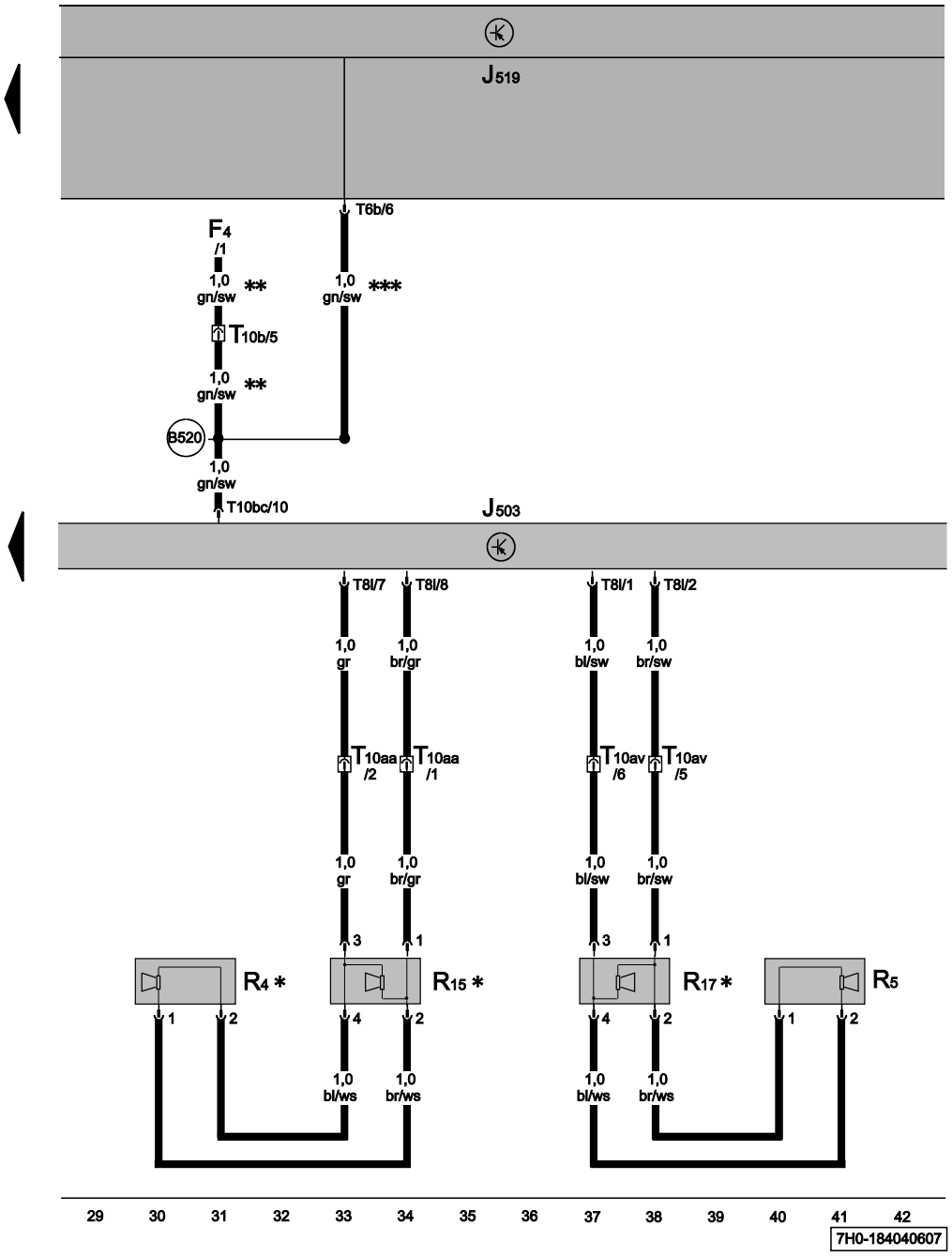
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T8a	8-pin connector, black
T10bc	10-pin connector, red
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B518	Connection (86s), in main wiring harness
D110	Connection 8, in engine compartment wiring harness
*	depends on equipment ⇒ ABS Current Flow Diagram
**	for models with telephone preparation for mobile telephone (9ZG) only



Control unit with display for radio and navigation system, front loudspeaker

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10bc	10-pin connector, red
T32a	32-pin connector, green
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only

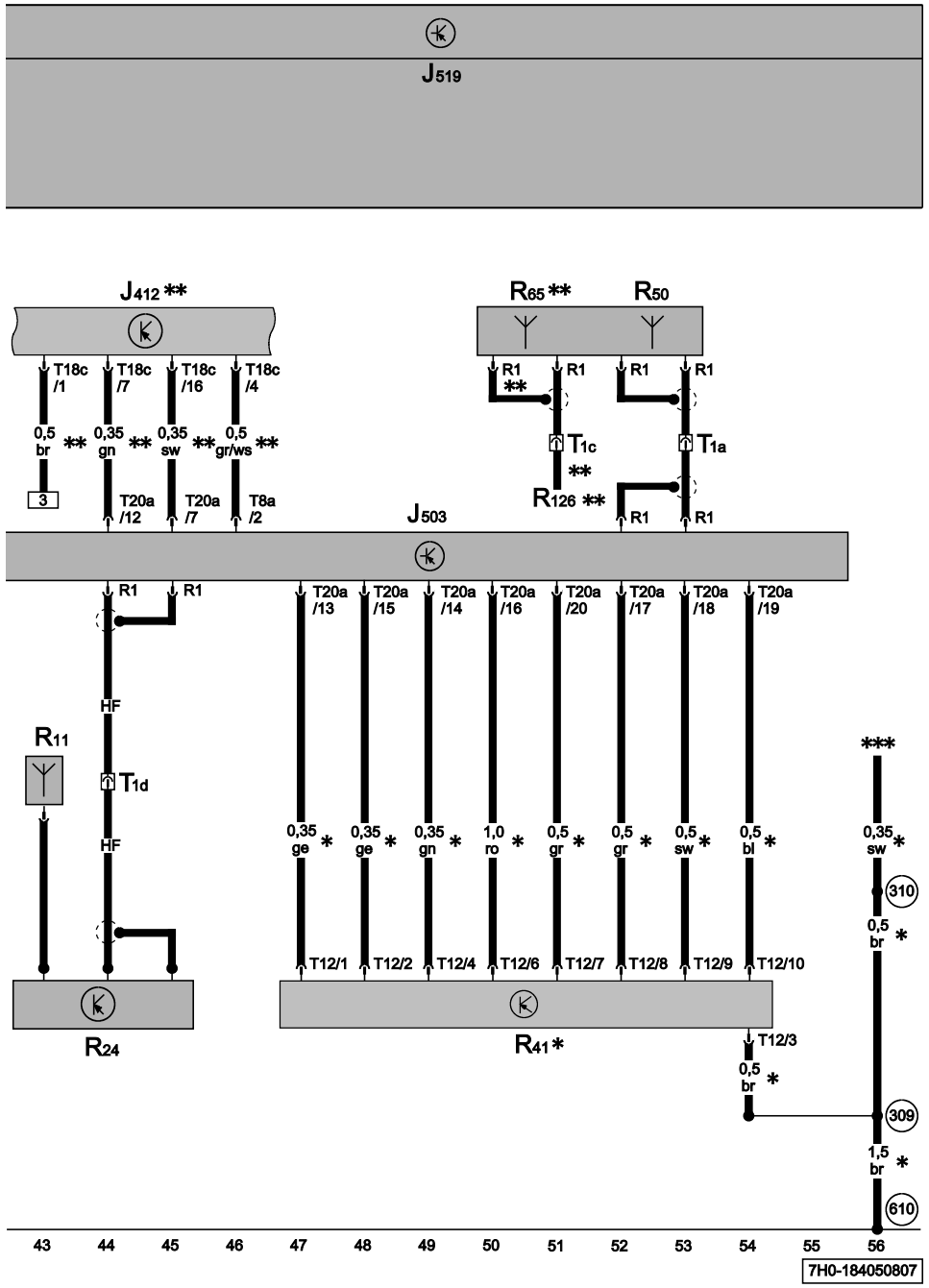
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, rear loudspeaker

F4	Reversing light switch
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T6b	6-pin connector, red
T8l	8-pin connector, brown
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10bc	10-pin connector, red
B520	Connection (RL), in main wiring harness
*	for models with 8 loudspeakers (8RM) only
**	for models with manual gearbox only (G0C/ G0K/ G0L)
***	for models with automatic gearbox (G1A) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, CD changer

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with telephone preparation for mobile telephone (9ZG) only
***	Wiring open end

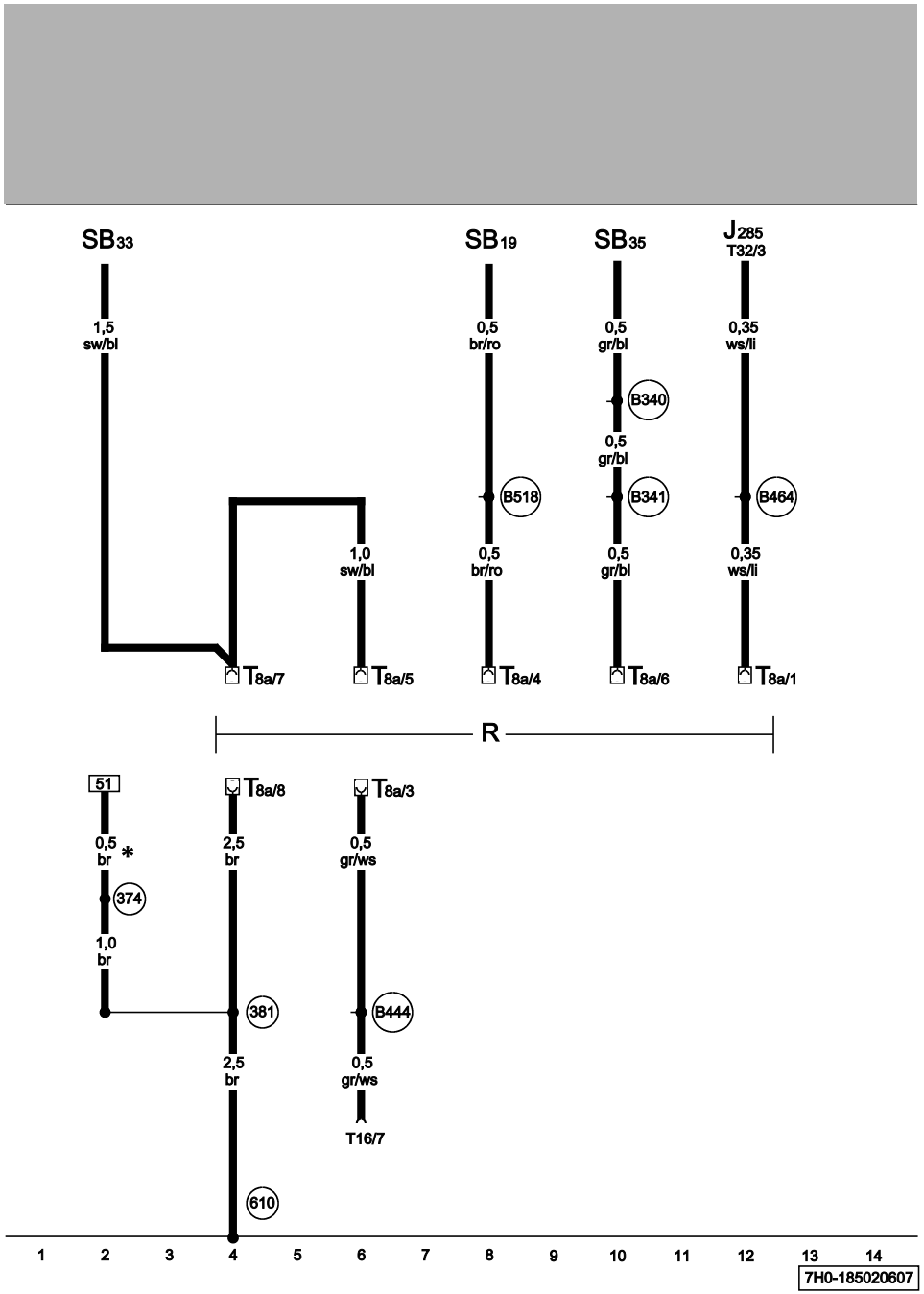
Preparation for radio (8UB)

⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

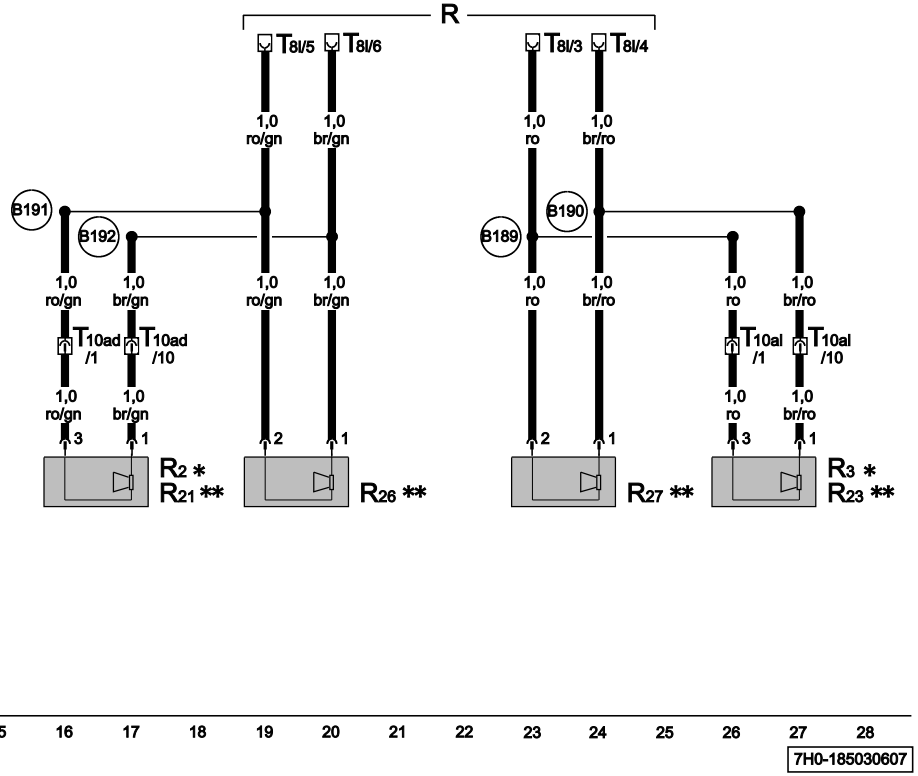


Voltage supply

J285	Control unit in dash panel insert
R	Radio
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
T8a	8-pin connector, black
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





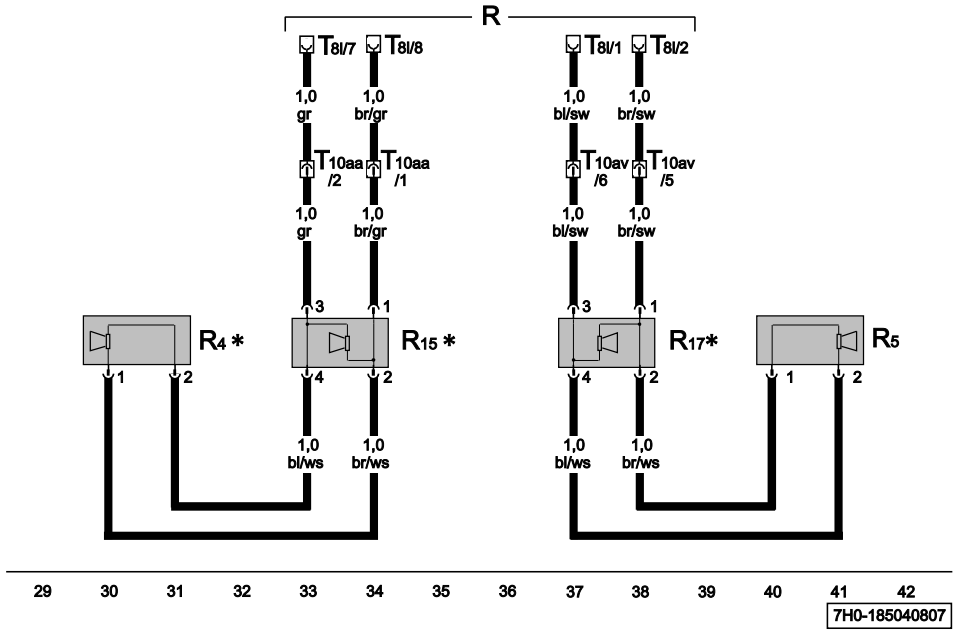
Radio, front loudspeakers

R	Radio
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only

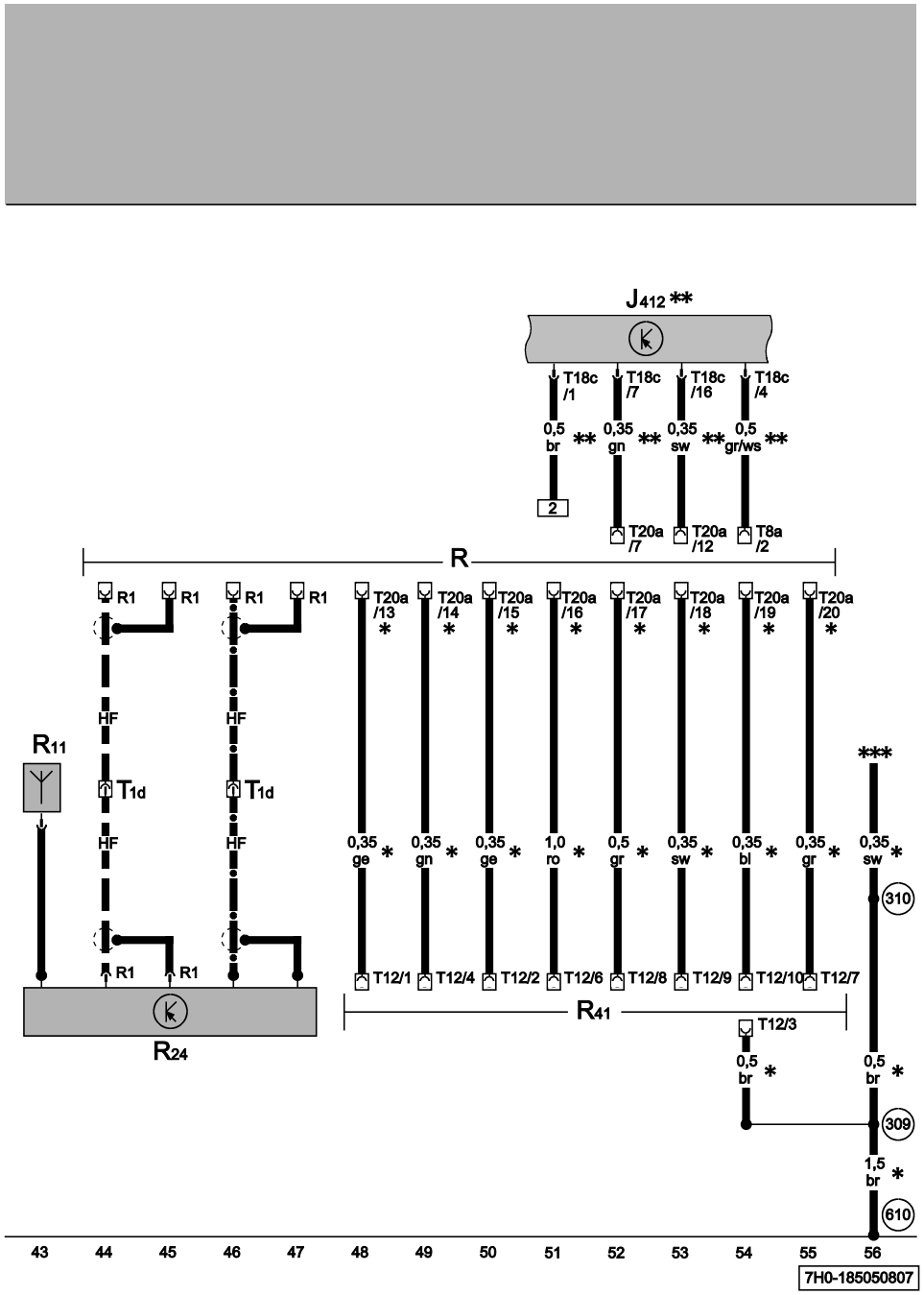
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Aerial, aerial amplifier, prepared for CD changer

J412	Mobile telephone operating electronics control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T8a	8-pin connector
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
*	for models with telephone preparation for mobile telephone (9ZG) only
***	Wiring open end

<fo:exter for models with aerial in side window only
nal-
graphic
src="/../
PDOC/
samba/
tools/
png-
convert/
out//slp/
ft_icons/
m_m.png
" content-
width="2
0pt"
scaling="
uniform"/
>

<fo:exter for models with aerial in windscreen only
nal-
graphic
src="/../
PDOC/
samba/
tools/
png-

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

convert/
out//slp/
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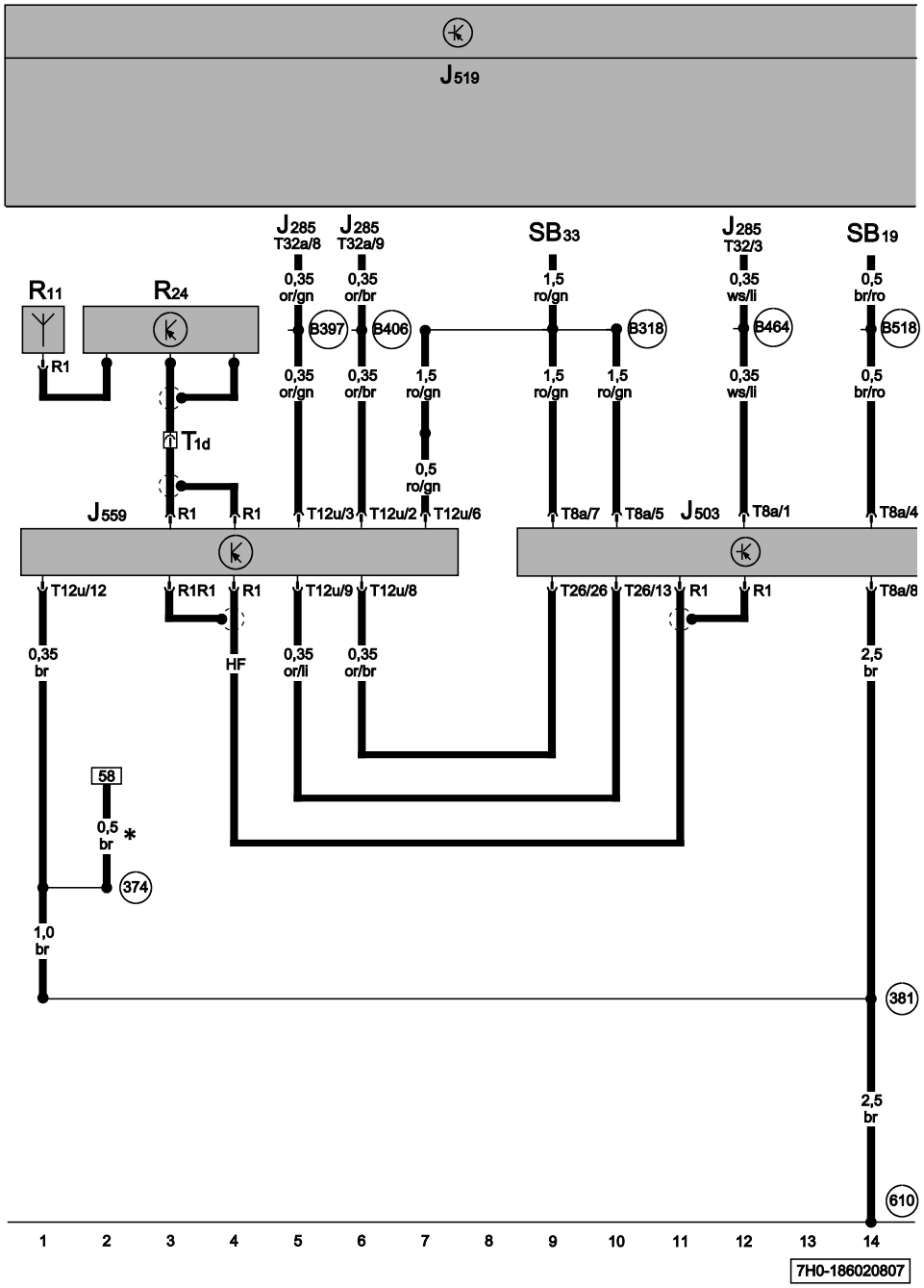
Radio and navigation system with colour display (7Q7)

⇒ **Traffic information control unit**
⇒ **2, 4 or 8 loudspeakers (8RD/8RE/8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

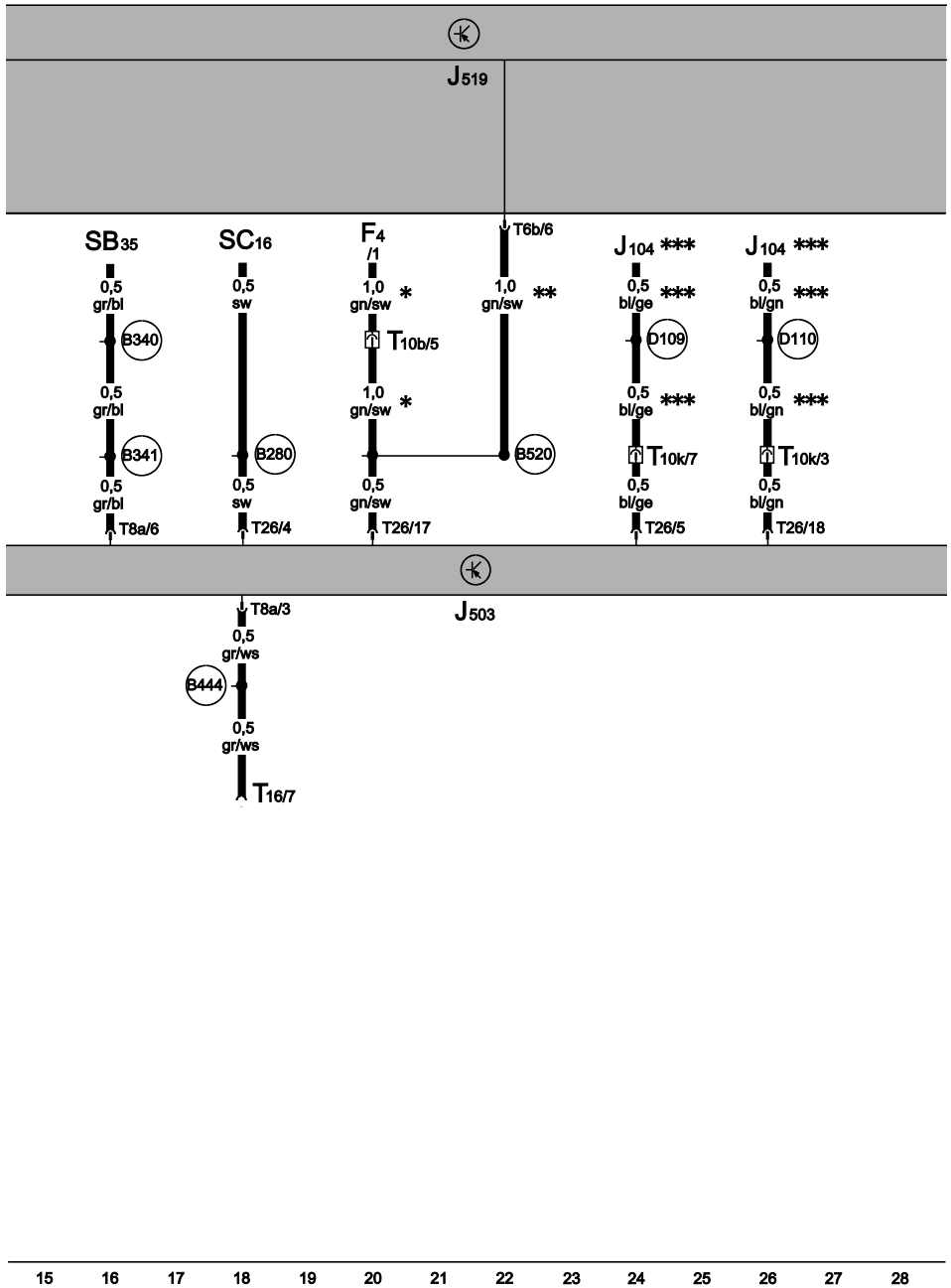
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply, traffic information control unit, aerial, aerial amplifier

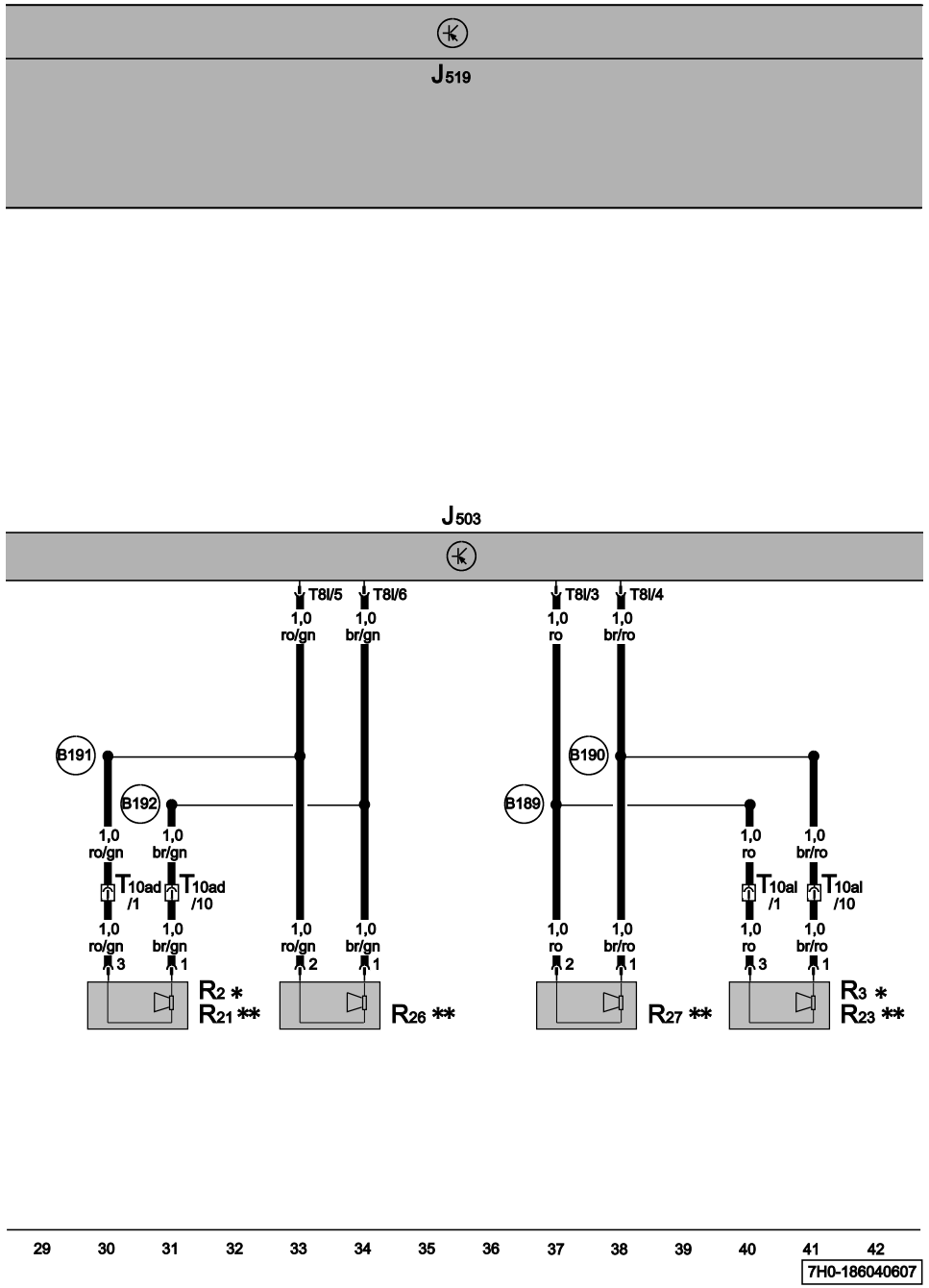
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12u	12-pin connector, black
T26	26-pin connector
T32	32-pin connector, blue
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only



Control unit with display for radio and navigation system, voltage supply, reversing light switch

F4	Reversing light switch
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T6b	6-pin connector, red
T8a	8-pin connector, black
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T26	26-pin connector
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
*	for models with manual gearbox only (G0C/ G0K/ G0L)
**	for models with automatic gearbox (G1A) only
***	depends on equipment ⇒ ABS Current Flow Diagram

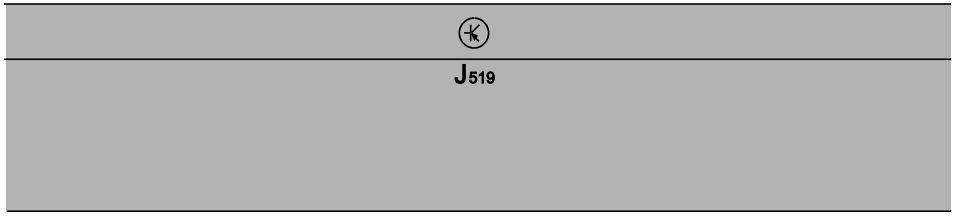
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, front loudspeaker

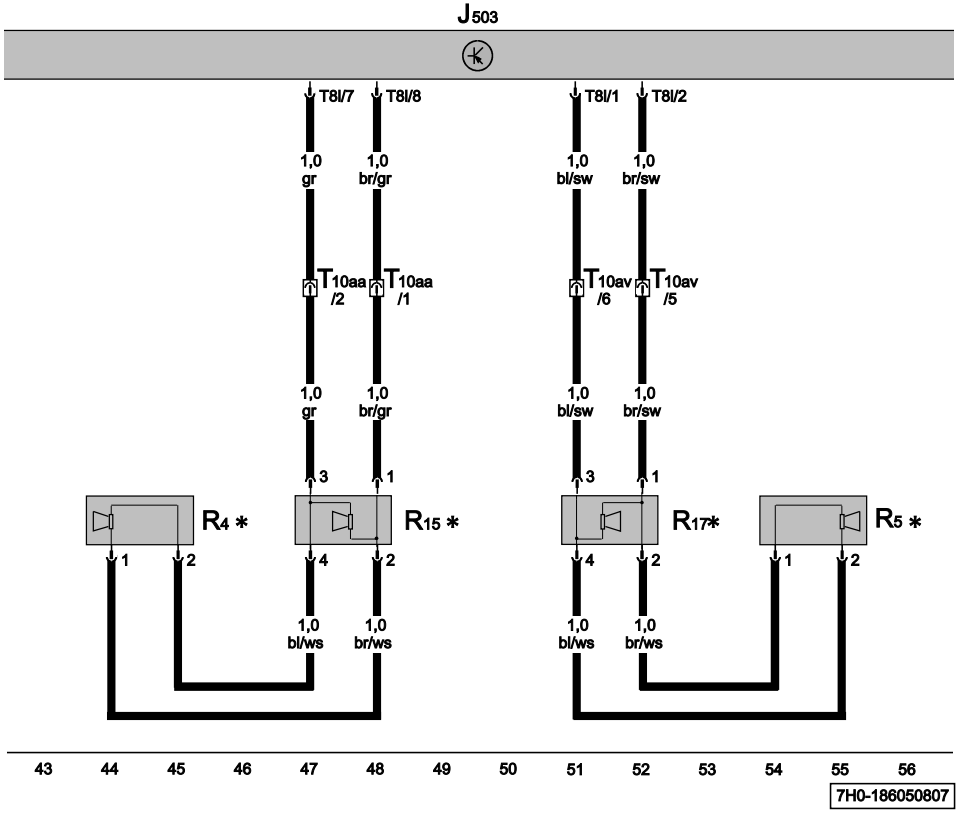
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
B191	Connection (positive, front left loudspeaker), in interior wiring harness
B192	Connection (negative, front left loudspeaker), in interior wiring harness
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

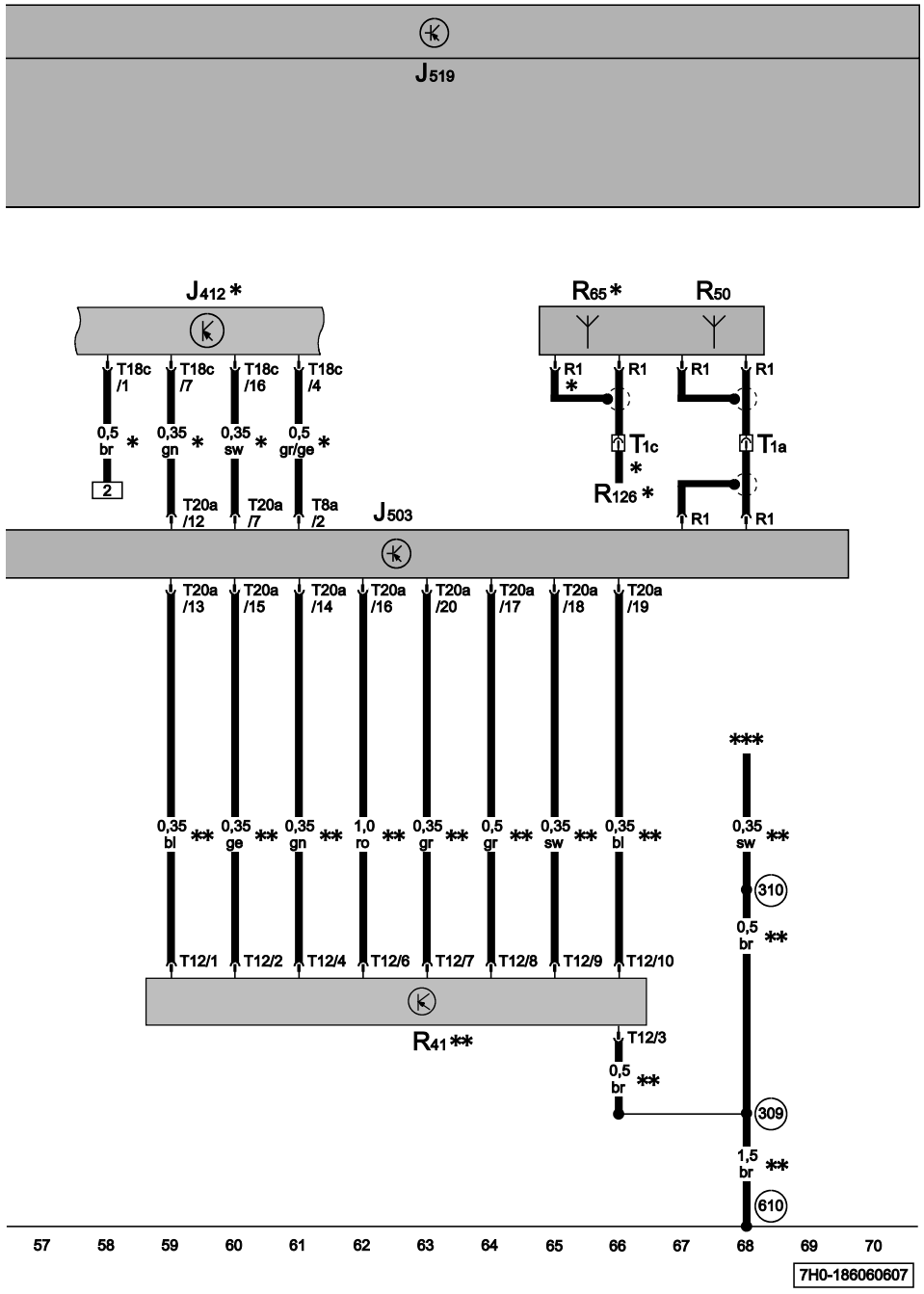


Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
(309)	Earth connection -1-, screening, in CD changer wiring harness
(310)	Earth connection 2, screening, in CD changer wiring harness
(610)	Earth point (audio), under centre console, front
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
***	Wiring open end

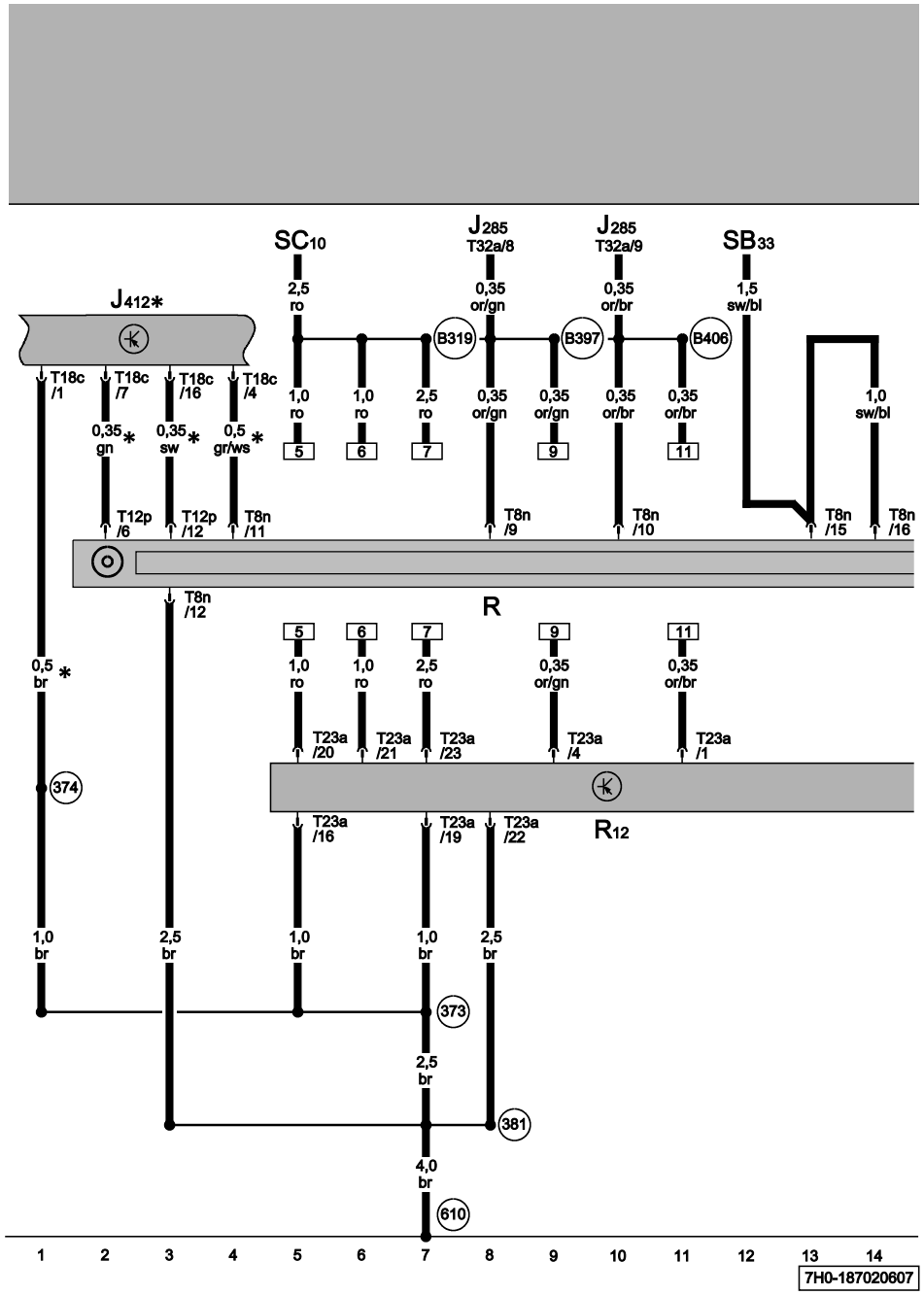
Radio system Delta (8UT) with sound package (9VK)

⇒ **8 channel amplifier (9VK)**
⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



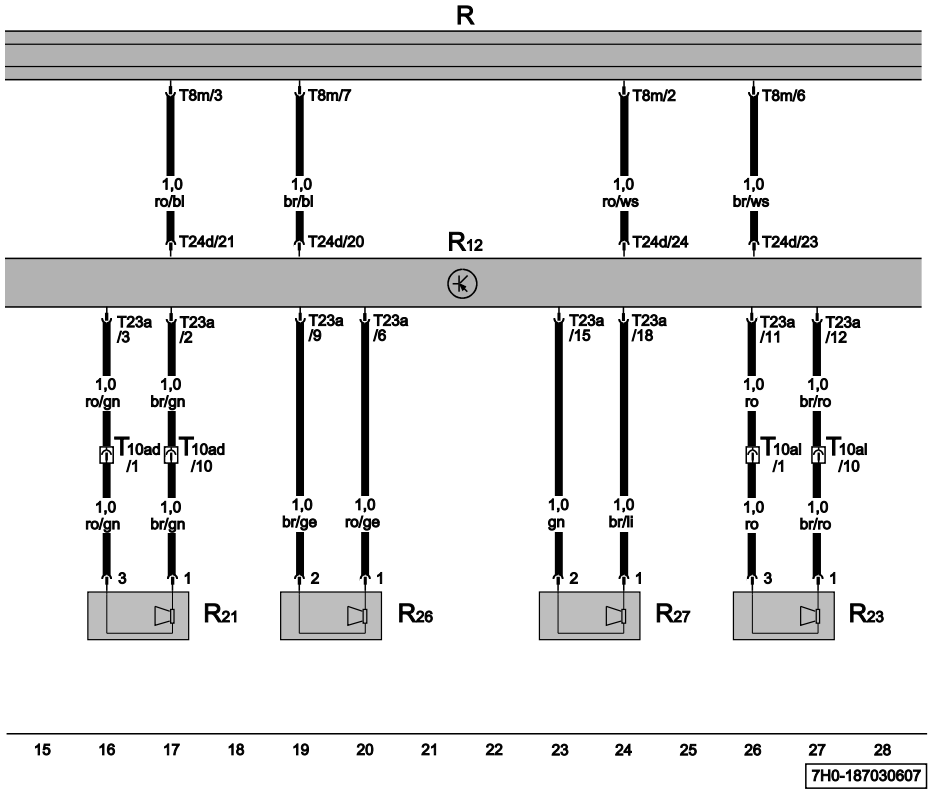
Voltage supply, radio, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2





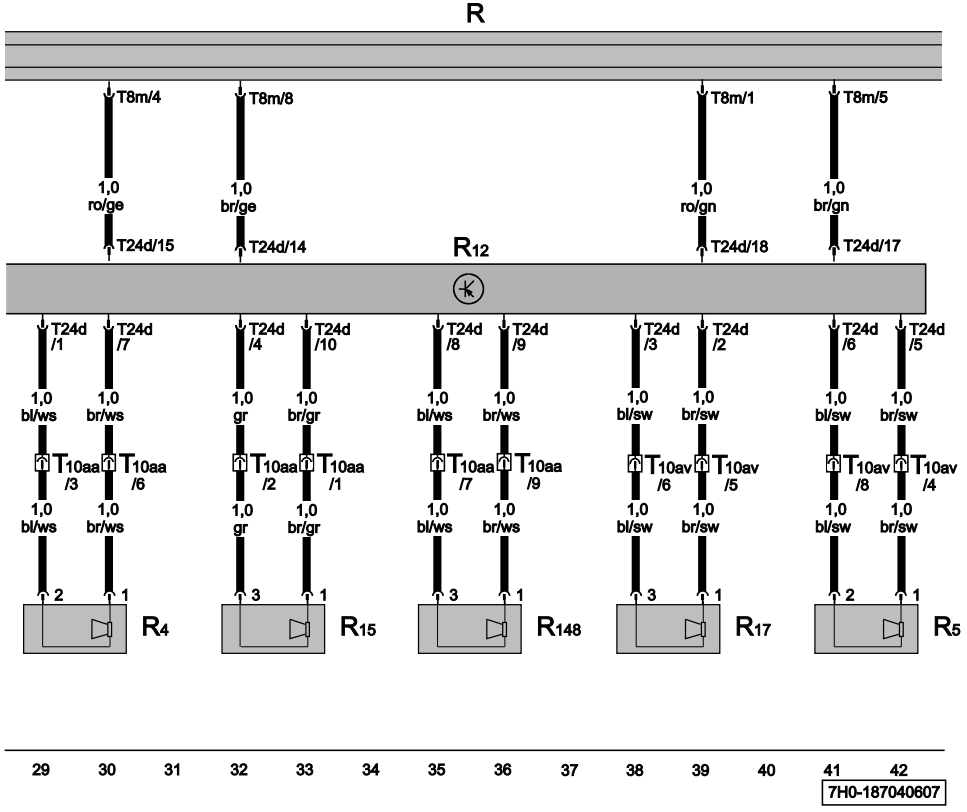
Radio, amplifier, front loudspeakers

R	Radio
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, amplifier, rear loudspeakers, middle loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

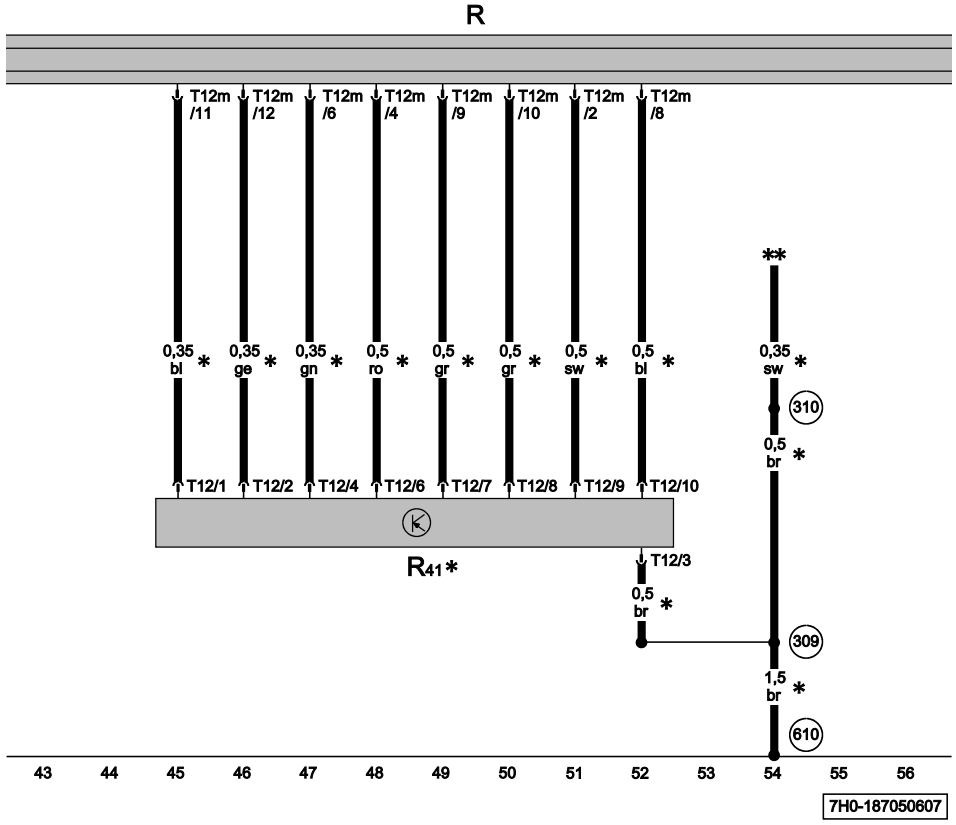


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



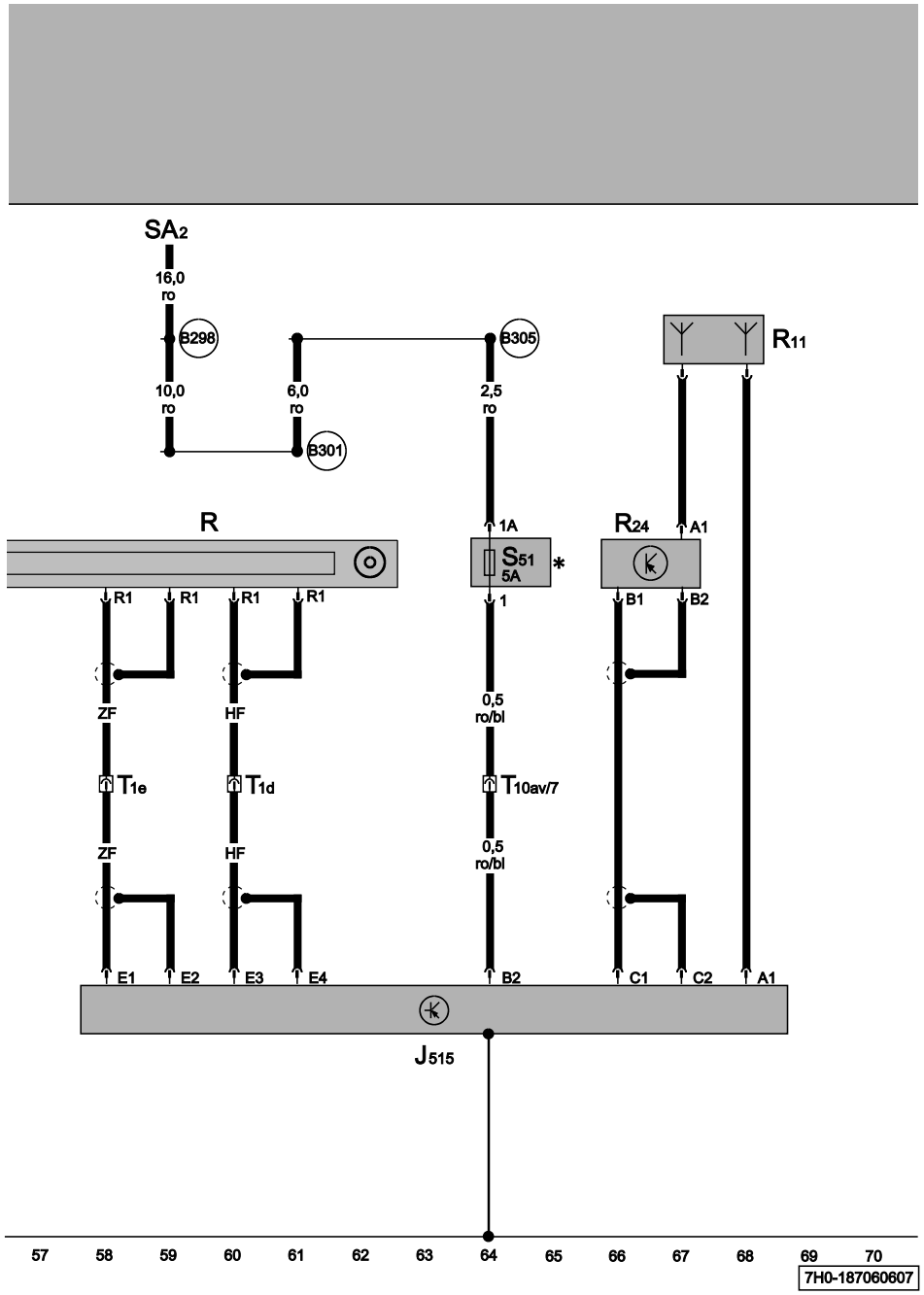
Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier



J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

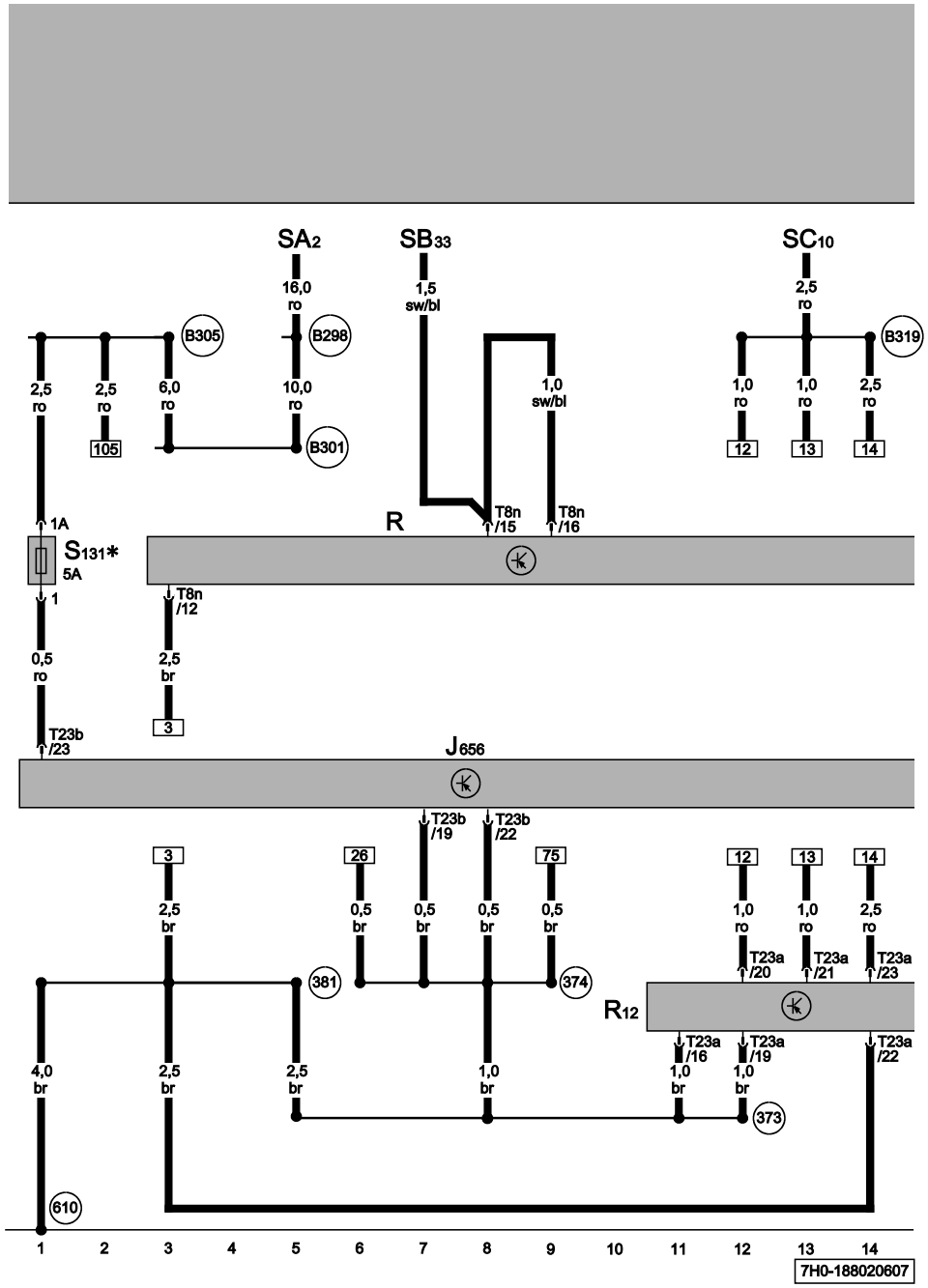
Radio system Delta (8UT) with sound package (9VK) and voice enhancement (DVE) (VX2)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

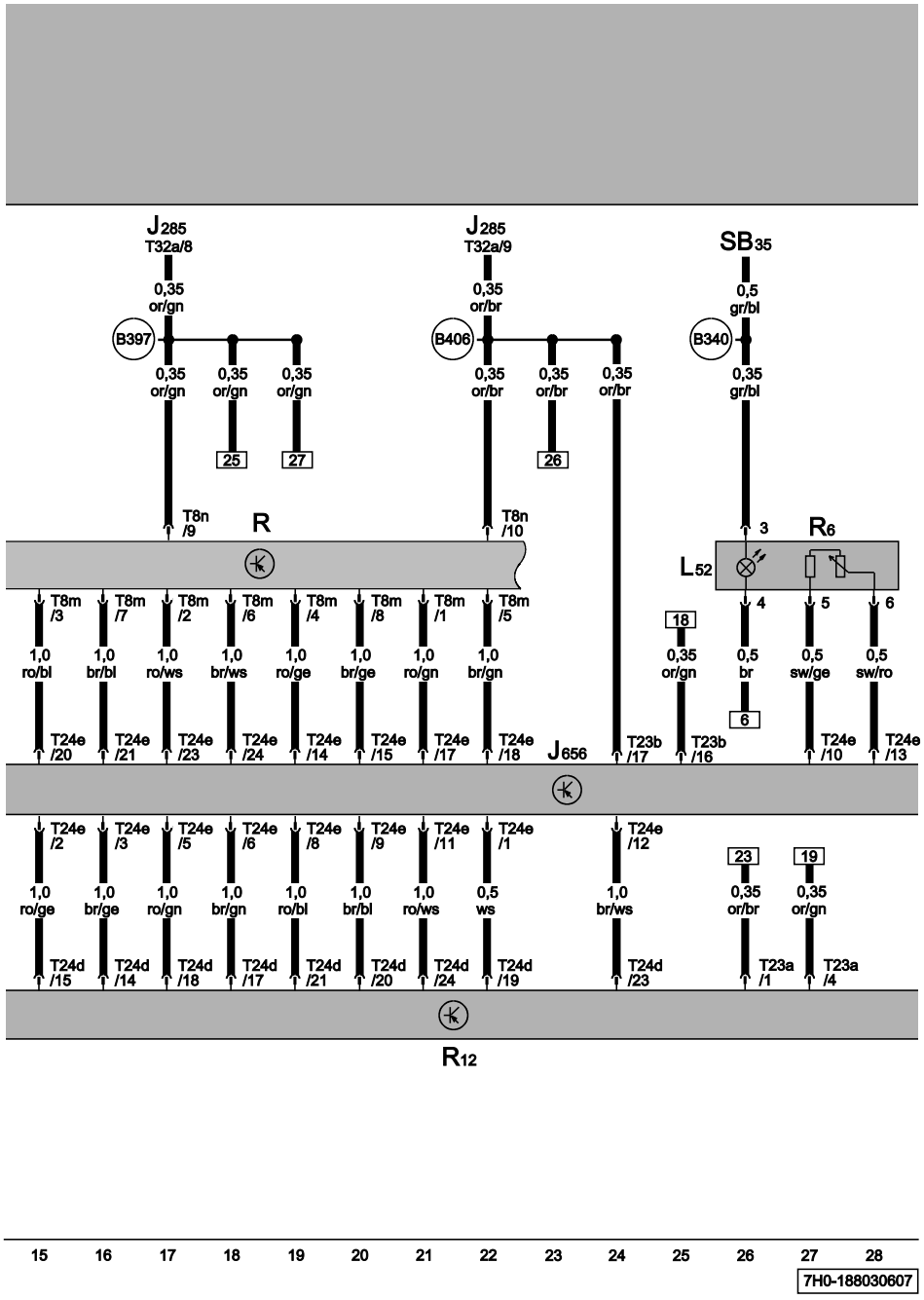
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, radio, voice amplification control unit, amplifier

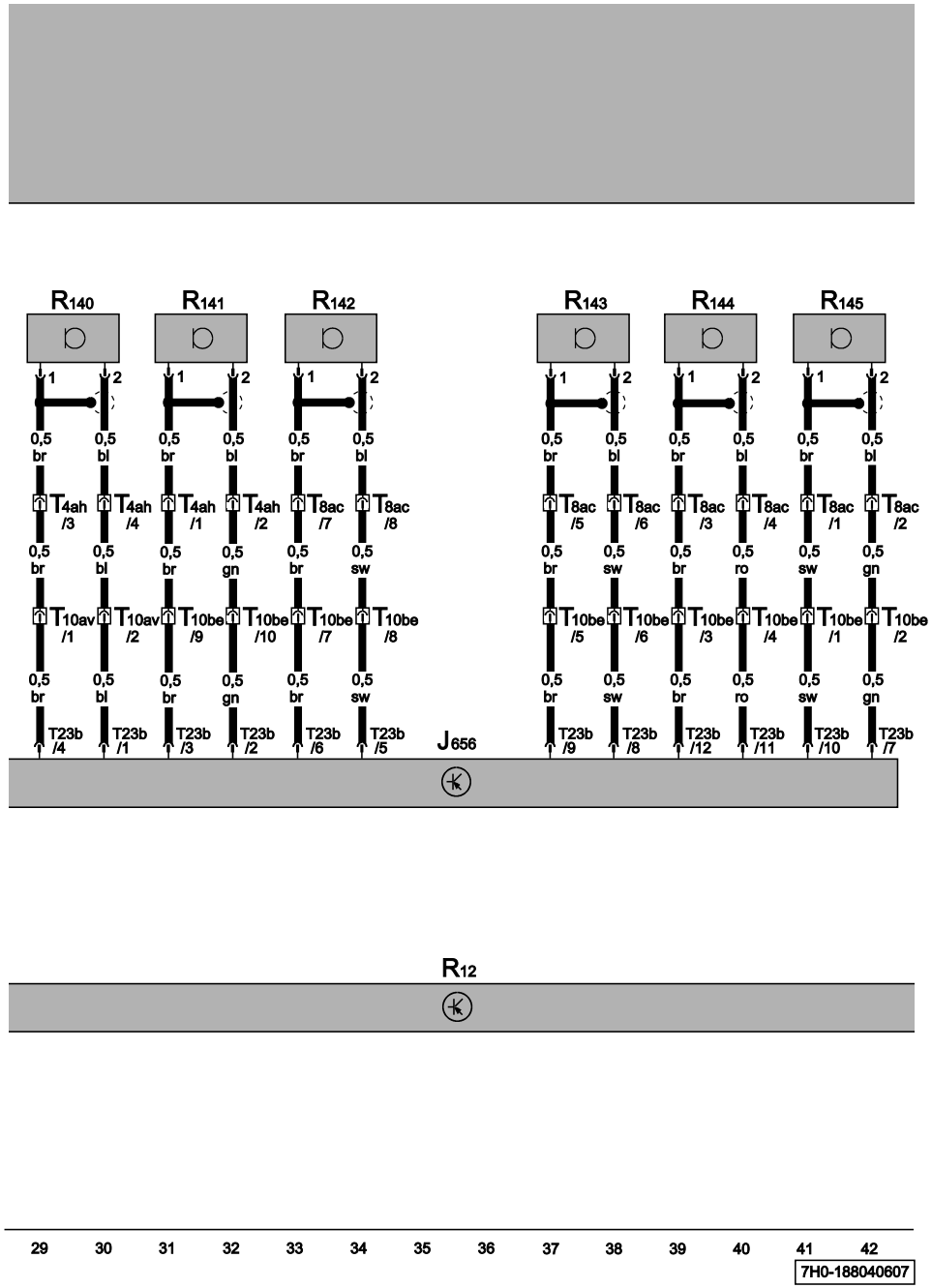
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J656	Voice amplification control unit
L52	Light connection for fader regulator
R	Radio
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



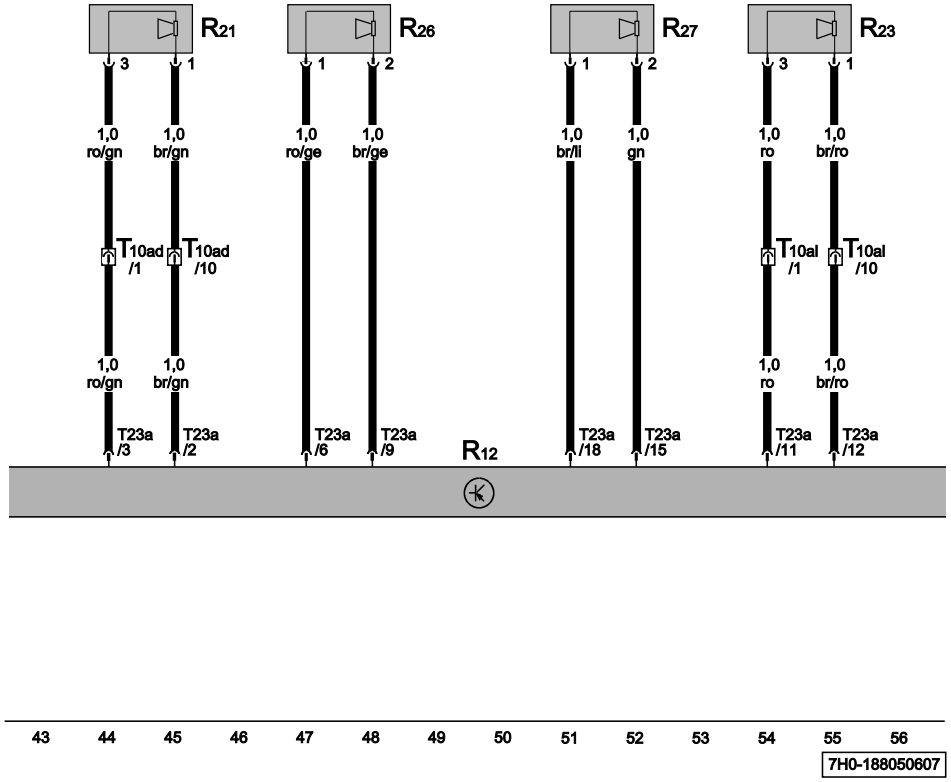
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

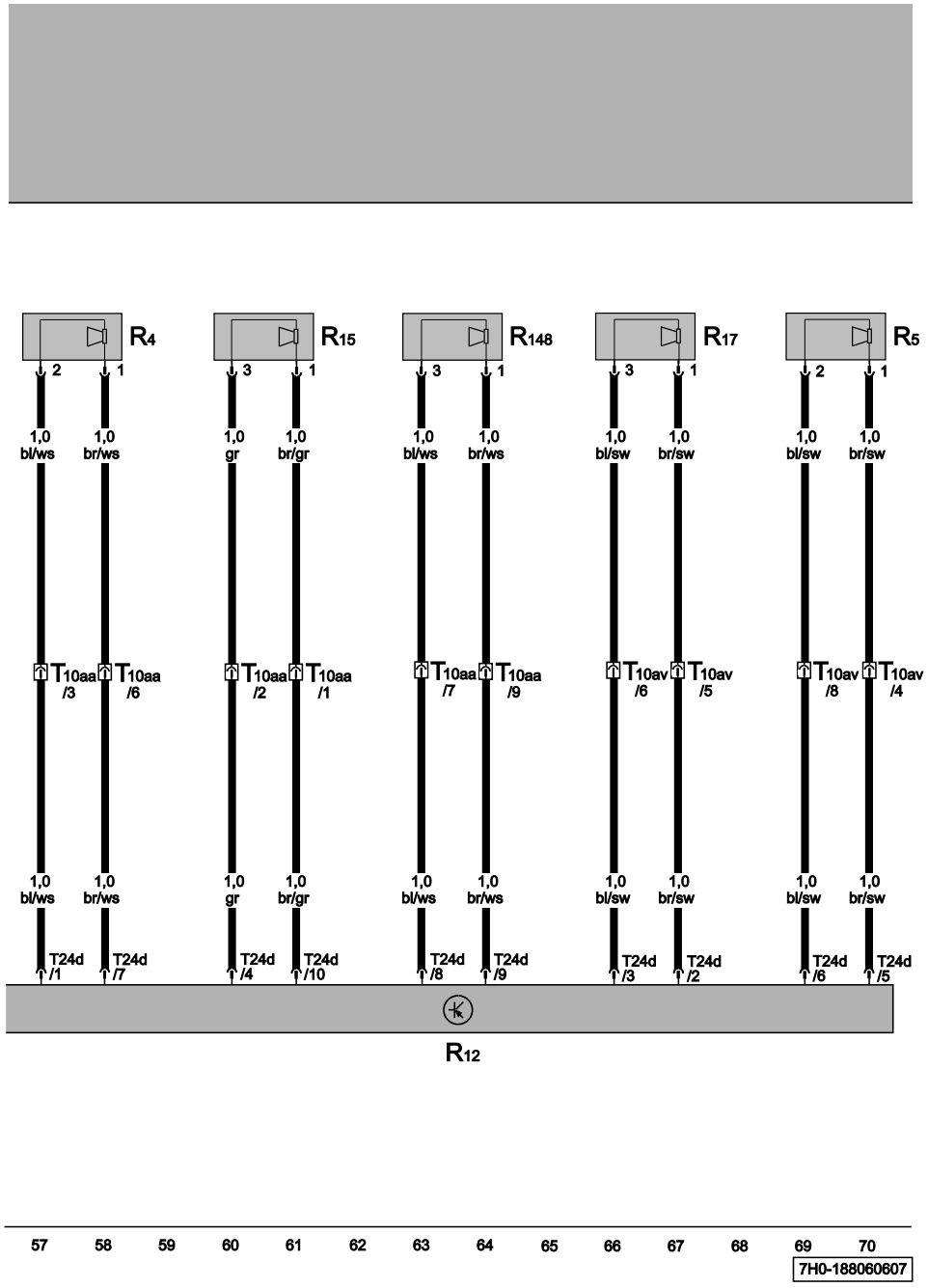
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeakers, middle loudspeaker

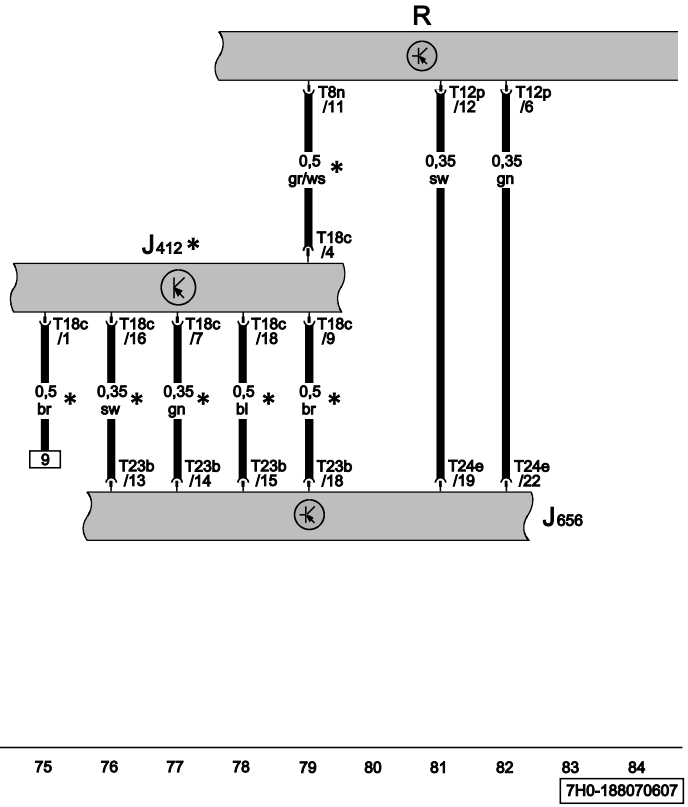
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, voice amplification control unit, mobile telephone operating electronics control unit, aerial, aerial amplifier

J412	Mobile telephone operating electronics control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with telephone preparation for mobile telephone (9ZG) only

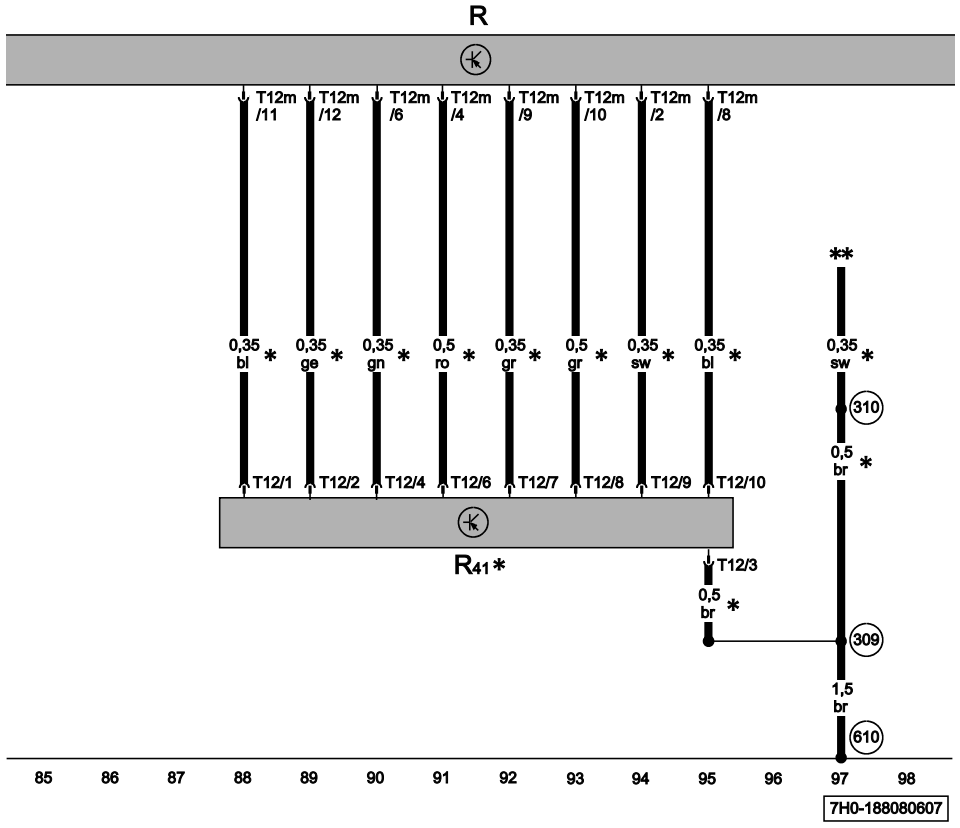




ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, CD changer

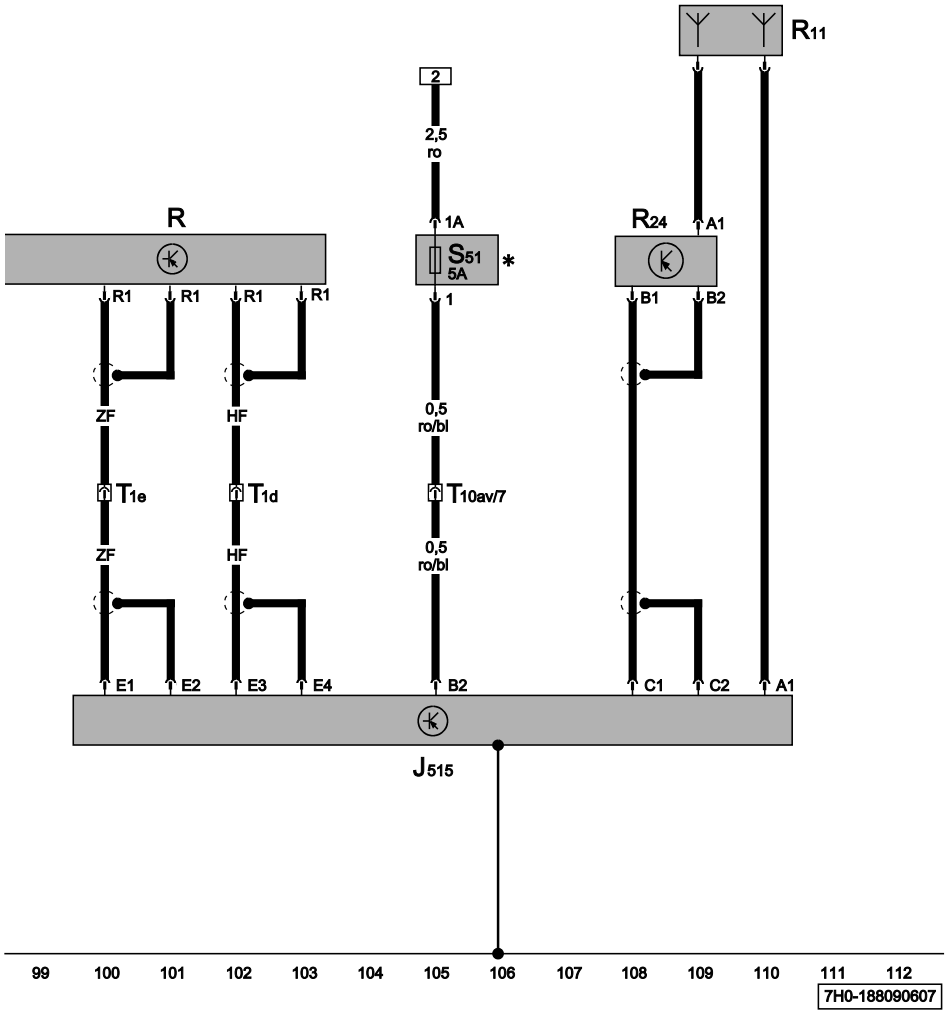
R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
*	On relay carrier, left seat box, ⇒ Fitting Locations



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

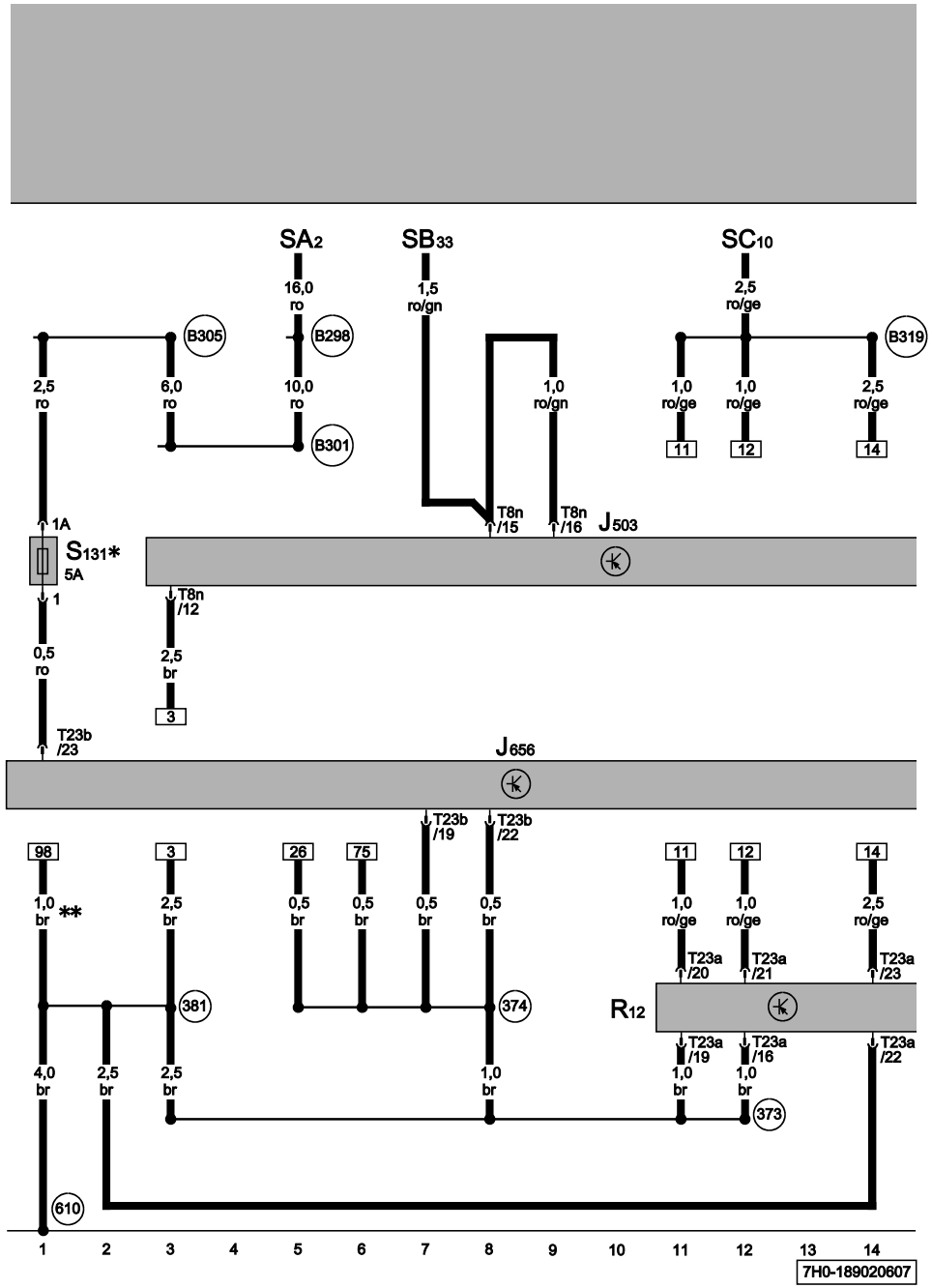
Radio and navigation system (RNS-DVD) with colour display (7Q2), sound package (9VK) and voice amplification (DVE) (VX2)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

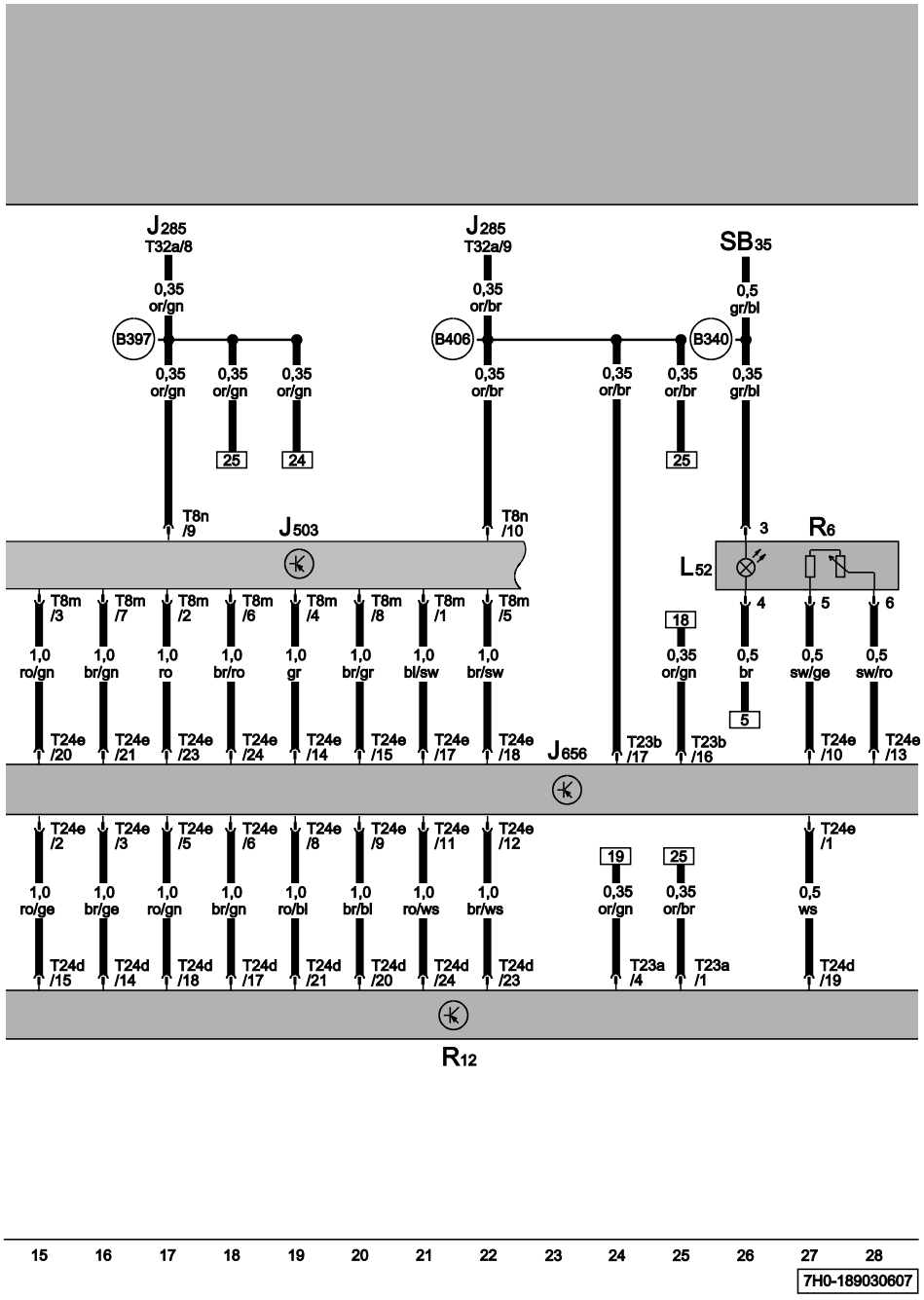
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system, voice amplification control unit, amplifier

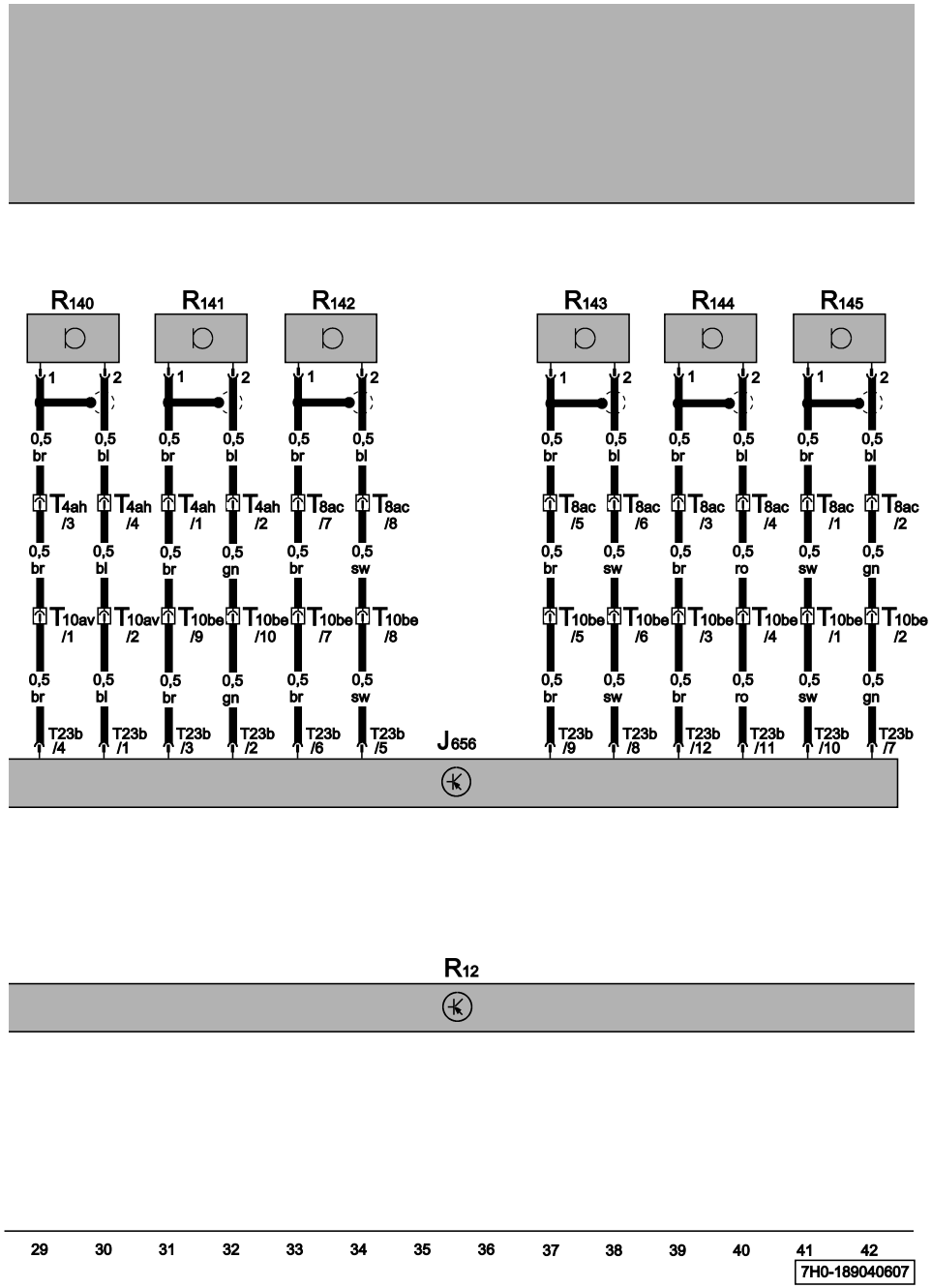
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations
**	for models with multimedia bus for external audio source (9WL) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
L52	Light connection for fader regulator
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



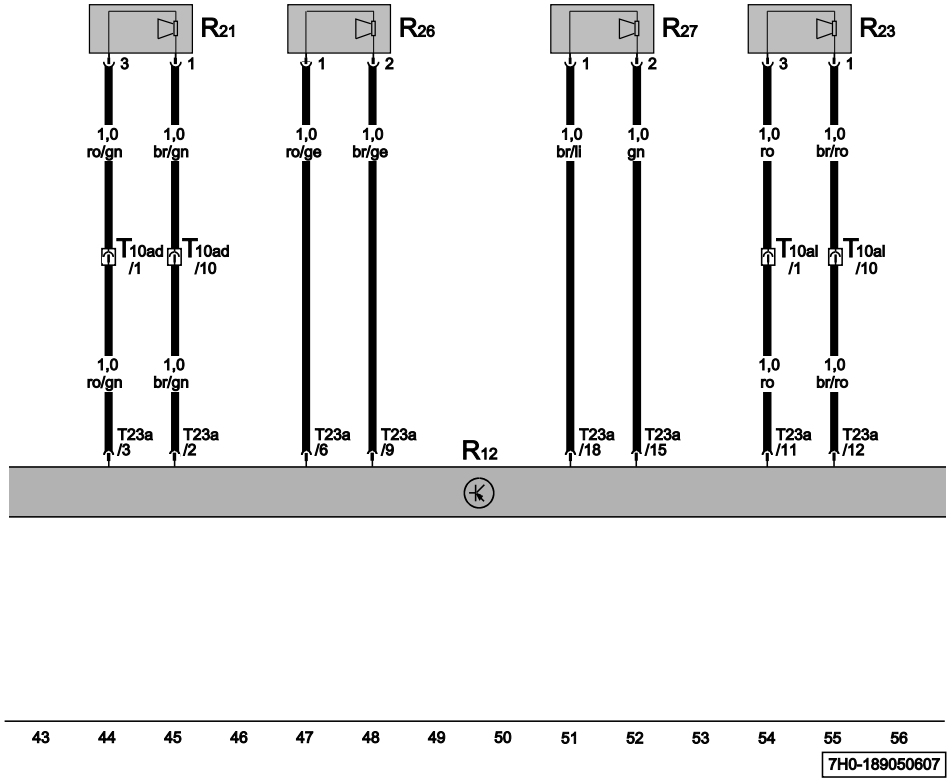
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

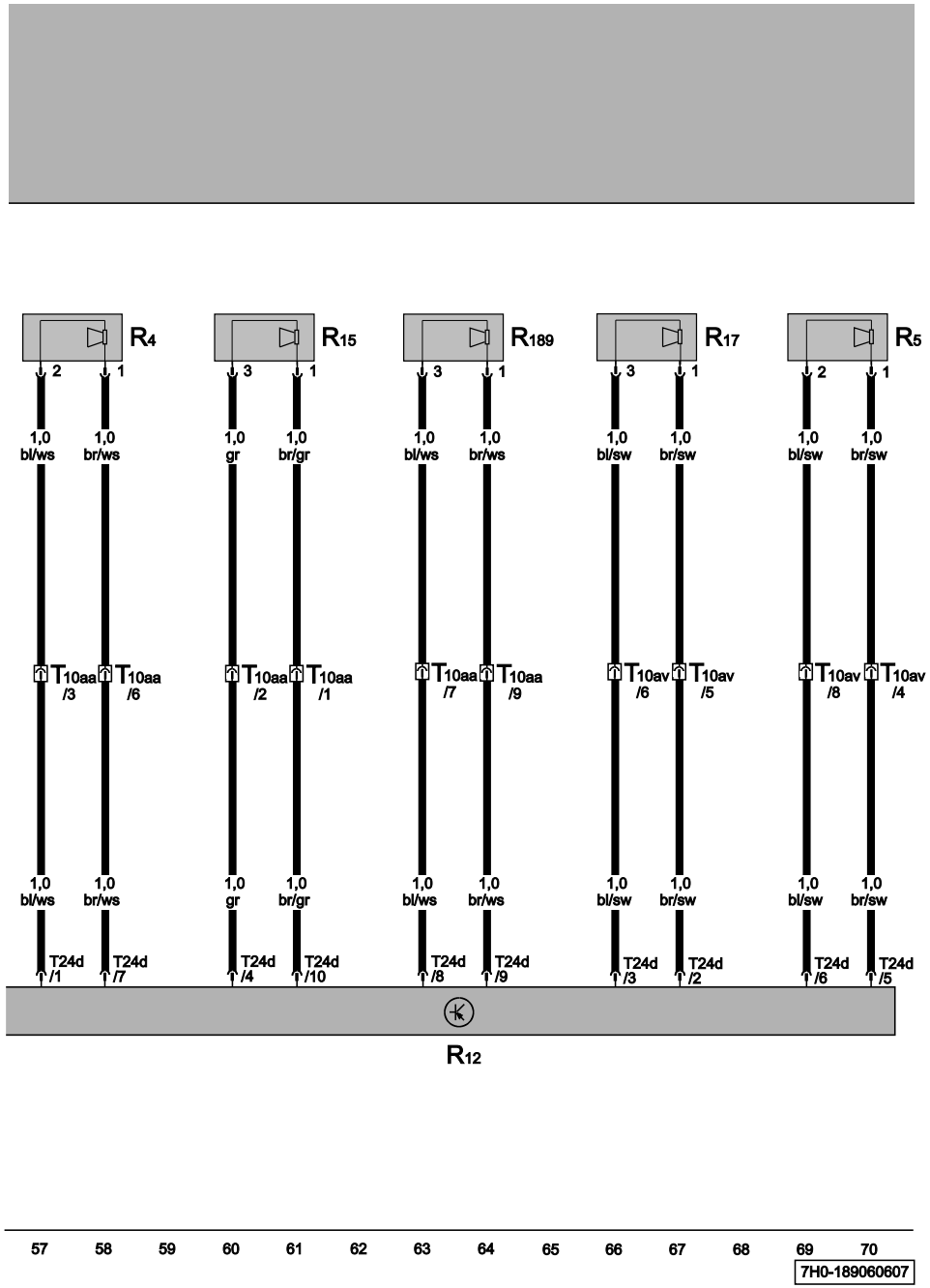
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

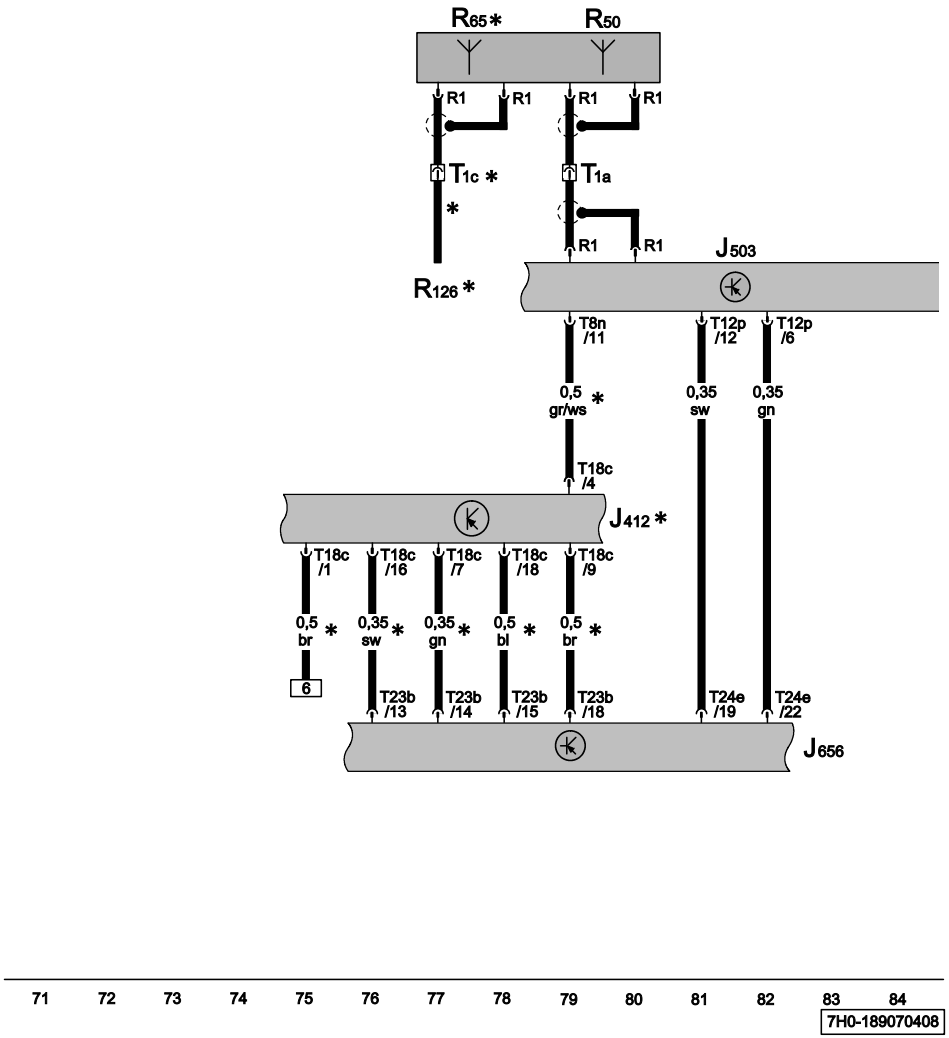


Amplifier, rear loudspeakers, middle loudspeaker

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



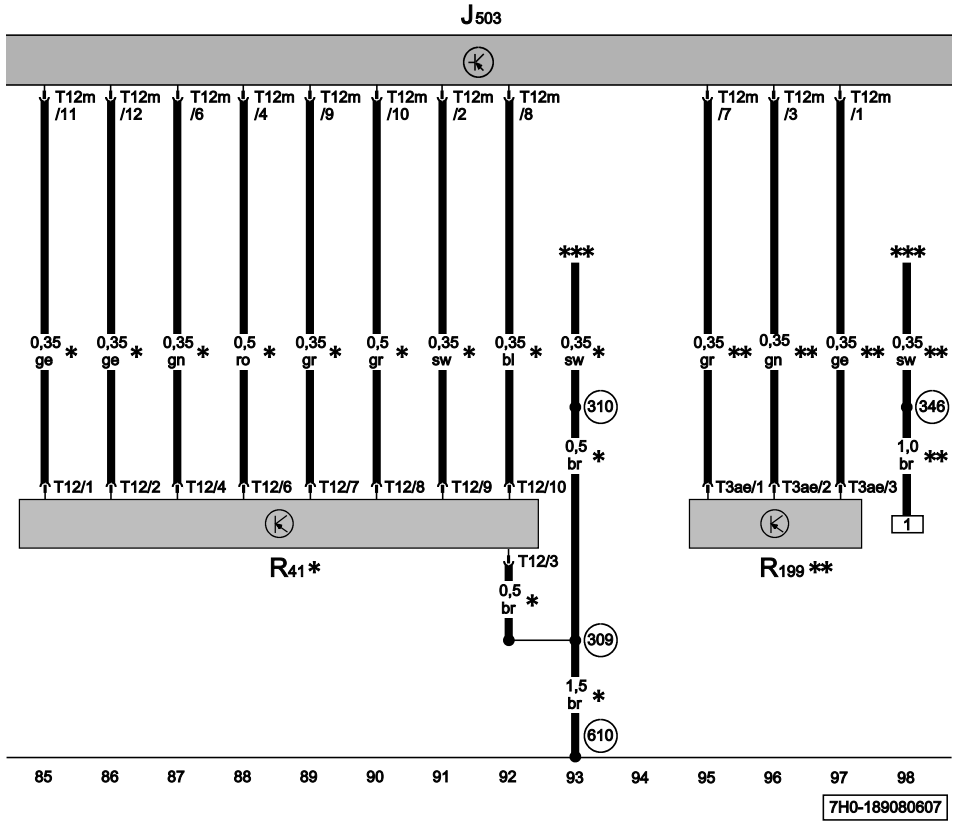


Control unit with display for radio and navigation system, voice amplification control unit, mobile telephone operating electronics control unit, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R1	Aerial connection
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23b	23-pin connector, black
T24e	24-pin connector
*	for models with telephone preparation for mobile telephone (9ZG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





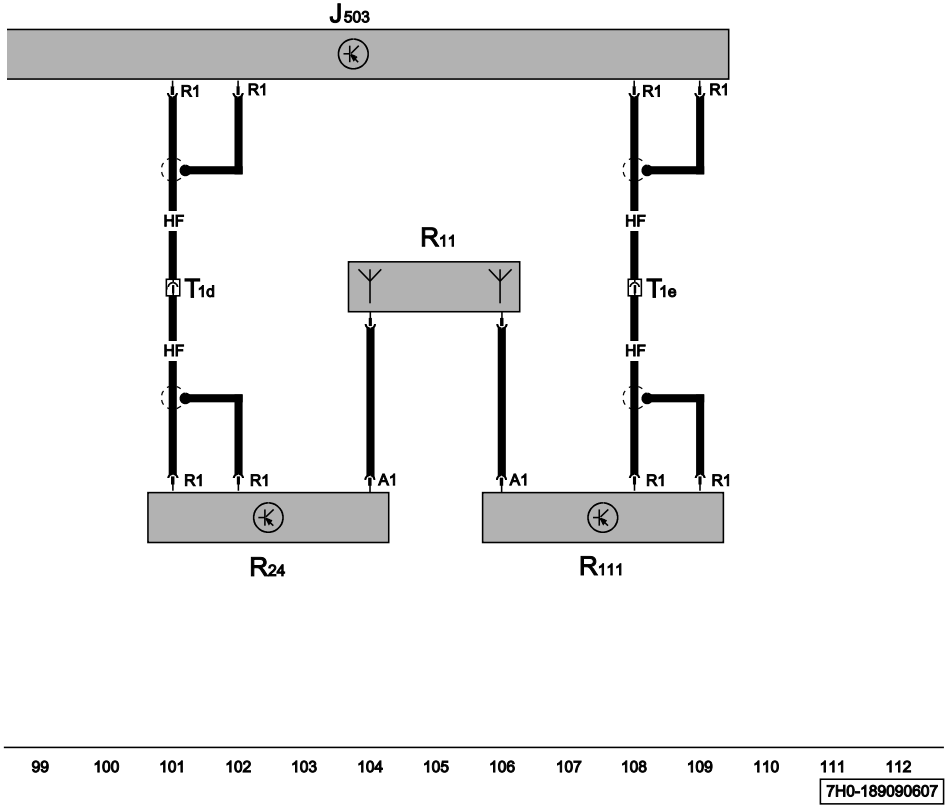
Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

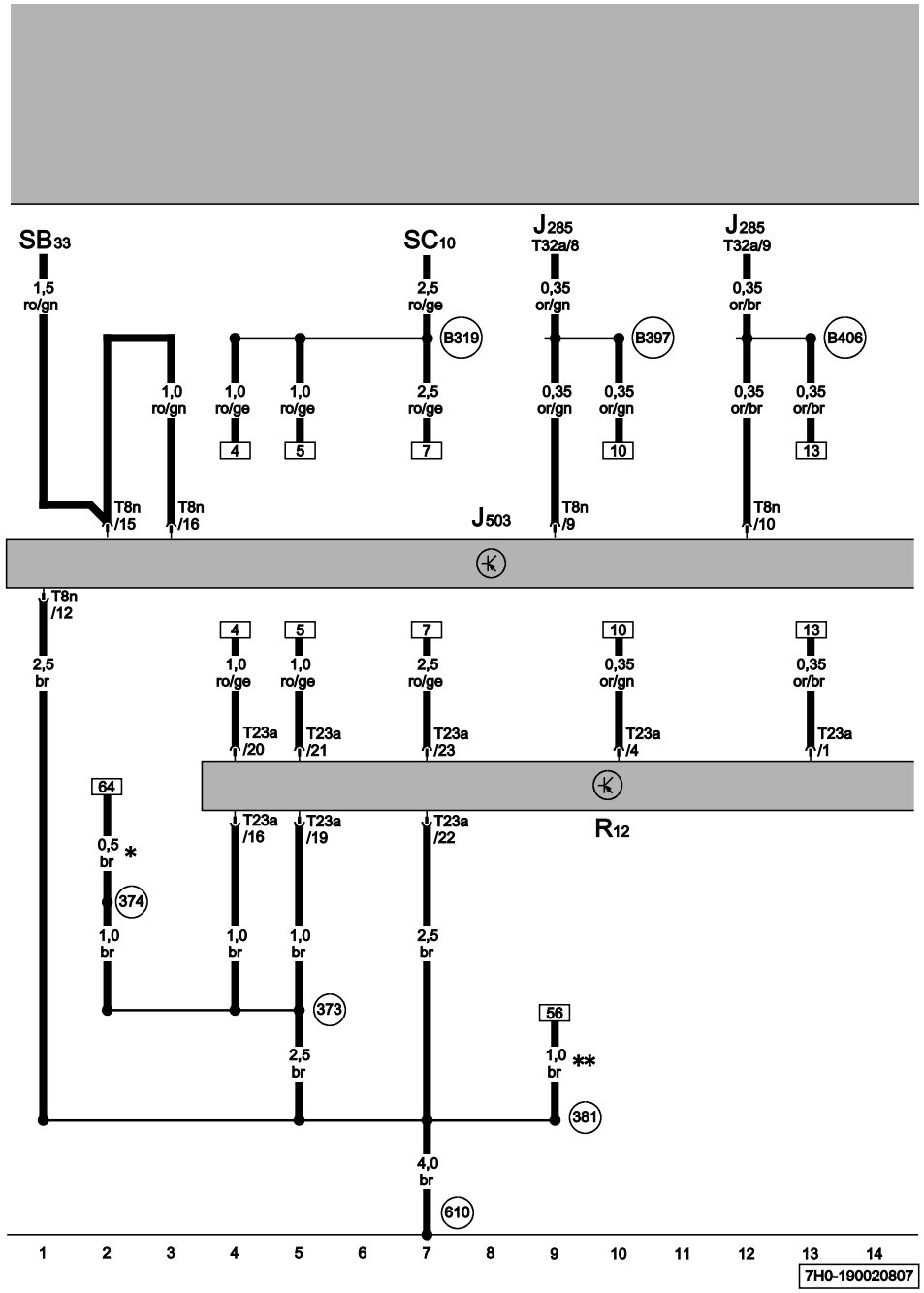
Radio and navigation system (RNS-DVD) with colour display (7Q2), sound package (9VK)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



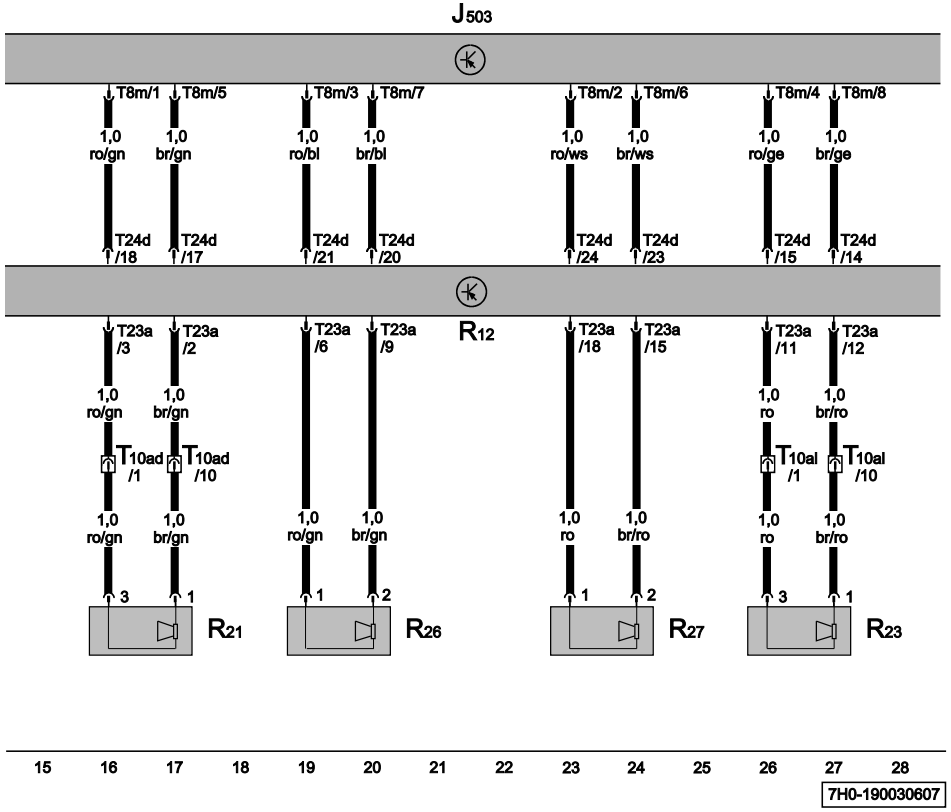
Voltage supply, control unit with display for radio and navigation system, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with multimedia bus for external audio source (9WL) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, front loudspeaker

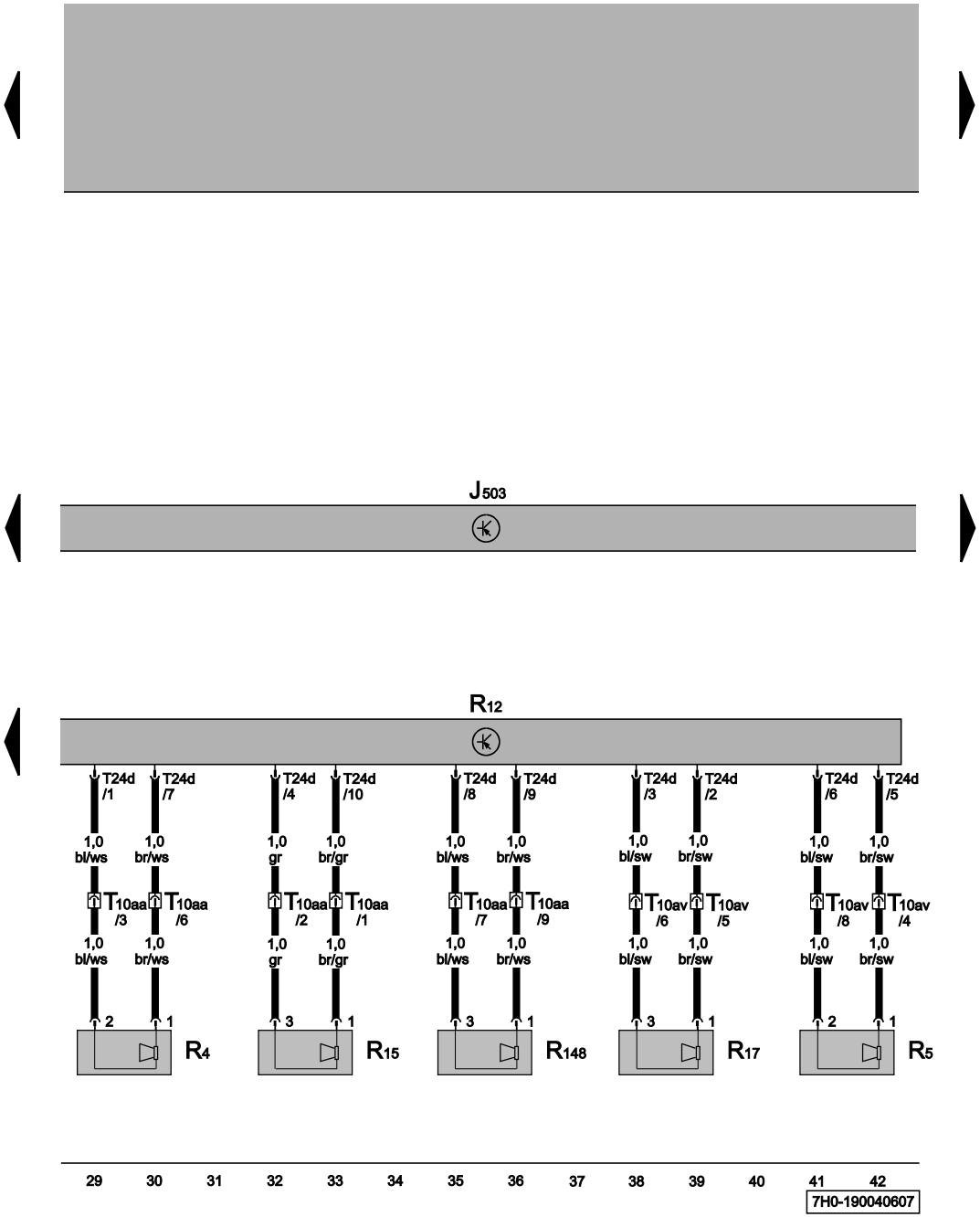
J503	Control unit with display for radio and navigation system
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

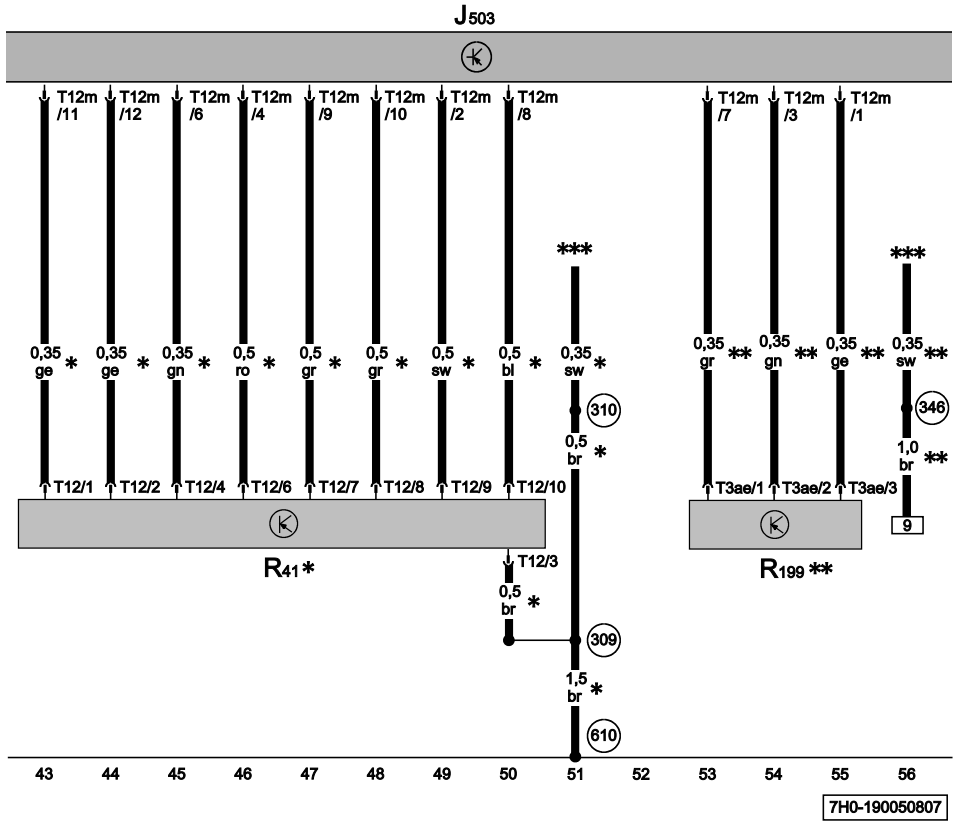
Control unit with display for radio and navigation system, amplifier, rear loudspeaker, middle loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

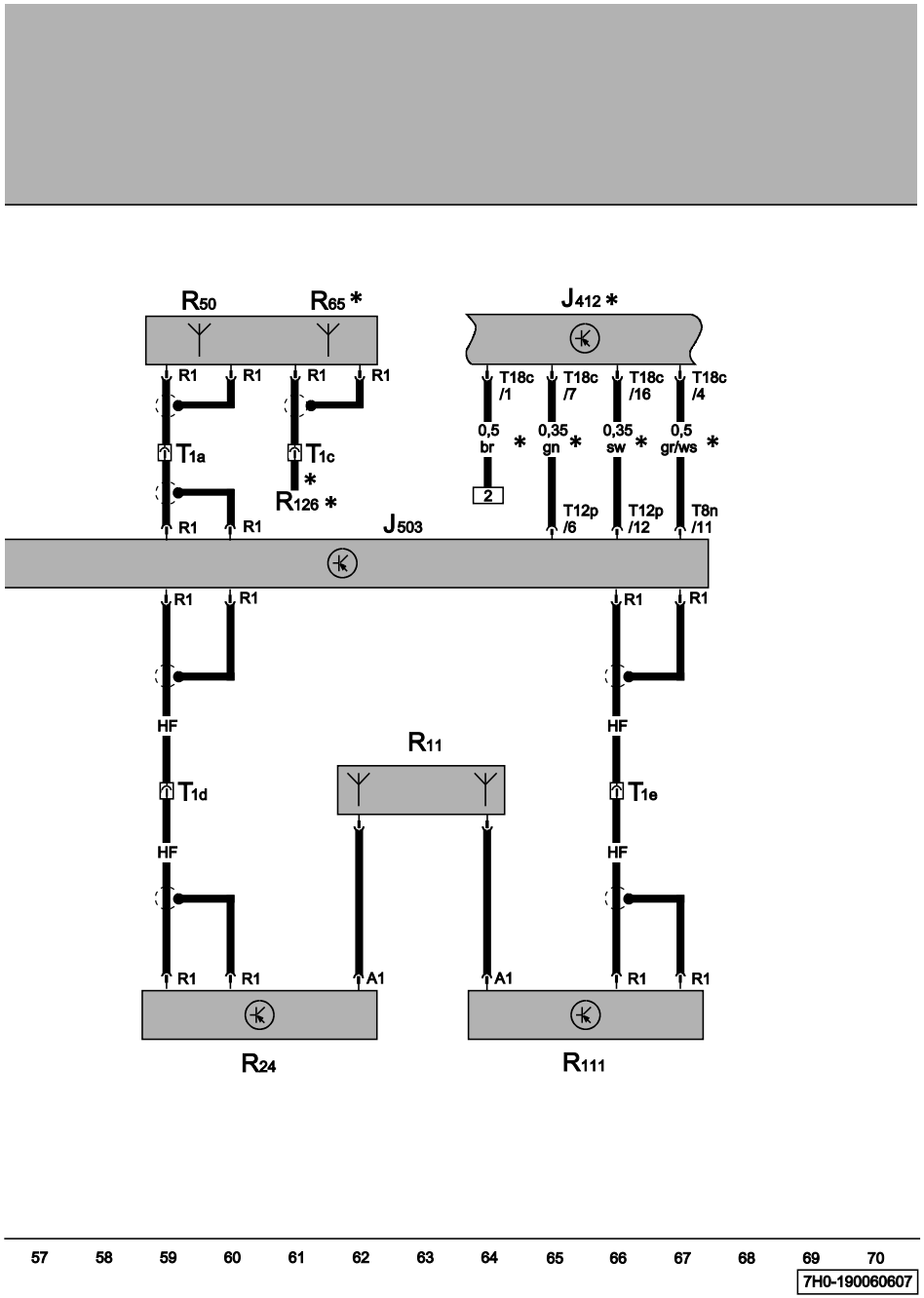




Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial, aerial amplifier, navigation system aerial, telephone aerial, mobile telephone operating electronics control unit

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R50	Navigation system aerial
R65	Telephone aerial
R111	Aerial amplifier 2
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
*	for models with telephone preparation for mobile telephone (9ZG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

1.9 l/77 kW - Turbodiesel engine, engine code AXB

from January 2006

1.9 l/63 kW - Turbodiesel engine, engine code AXC

from January 2006

Notes:

For information concerning

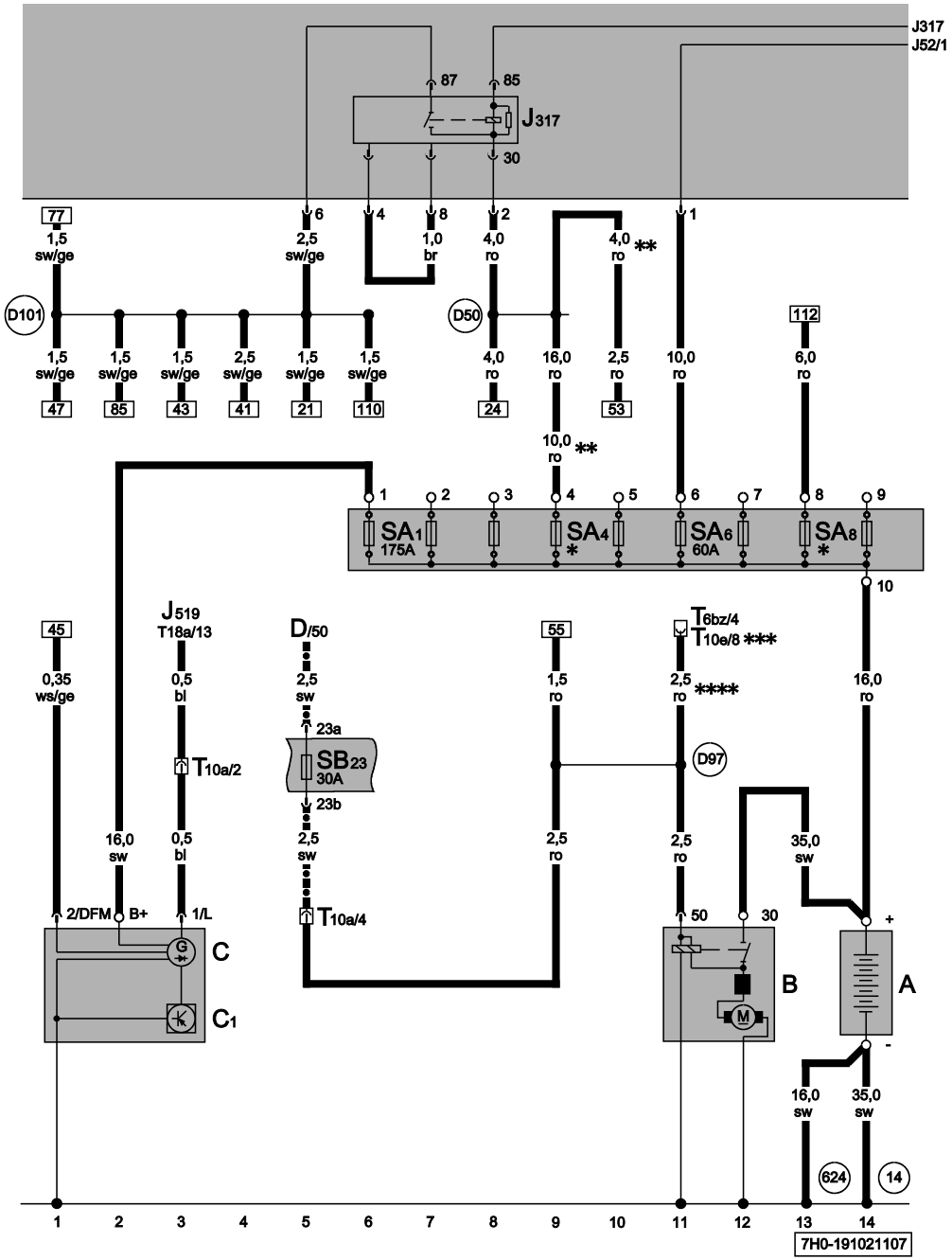
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



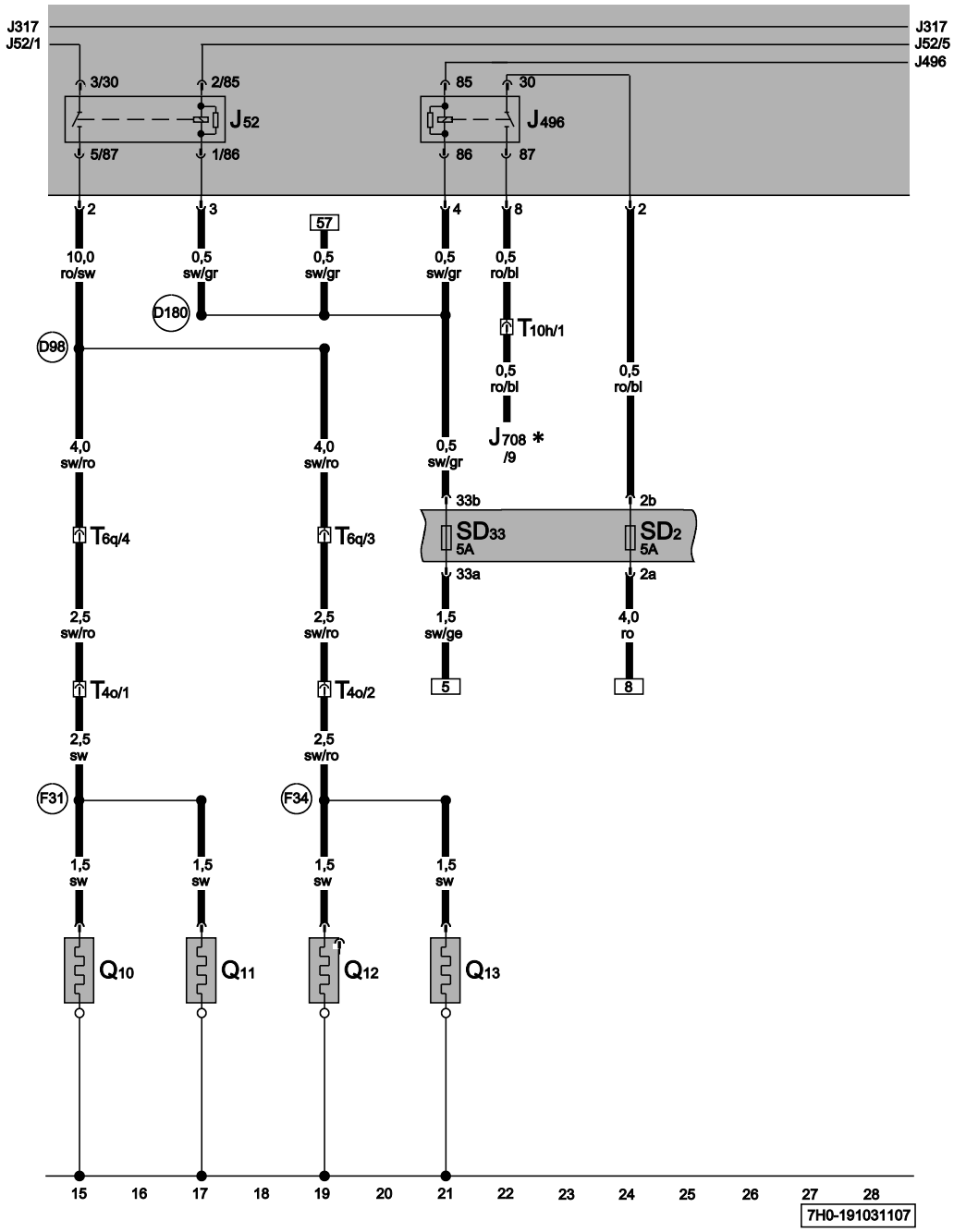
ws = white

Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
SB23	Fuse 23 on fuse holder B
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	depends on equipment ⇒ Fitting Locations
**	applicable from June 2006
***	applicable from June 2007
****	⇒ electric interface Current Flow Diagram
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.p	for models with manual gearbox and without electric interface only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

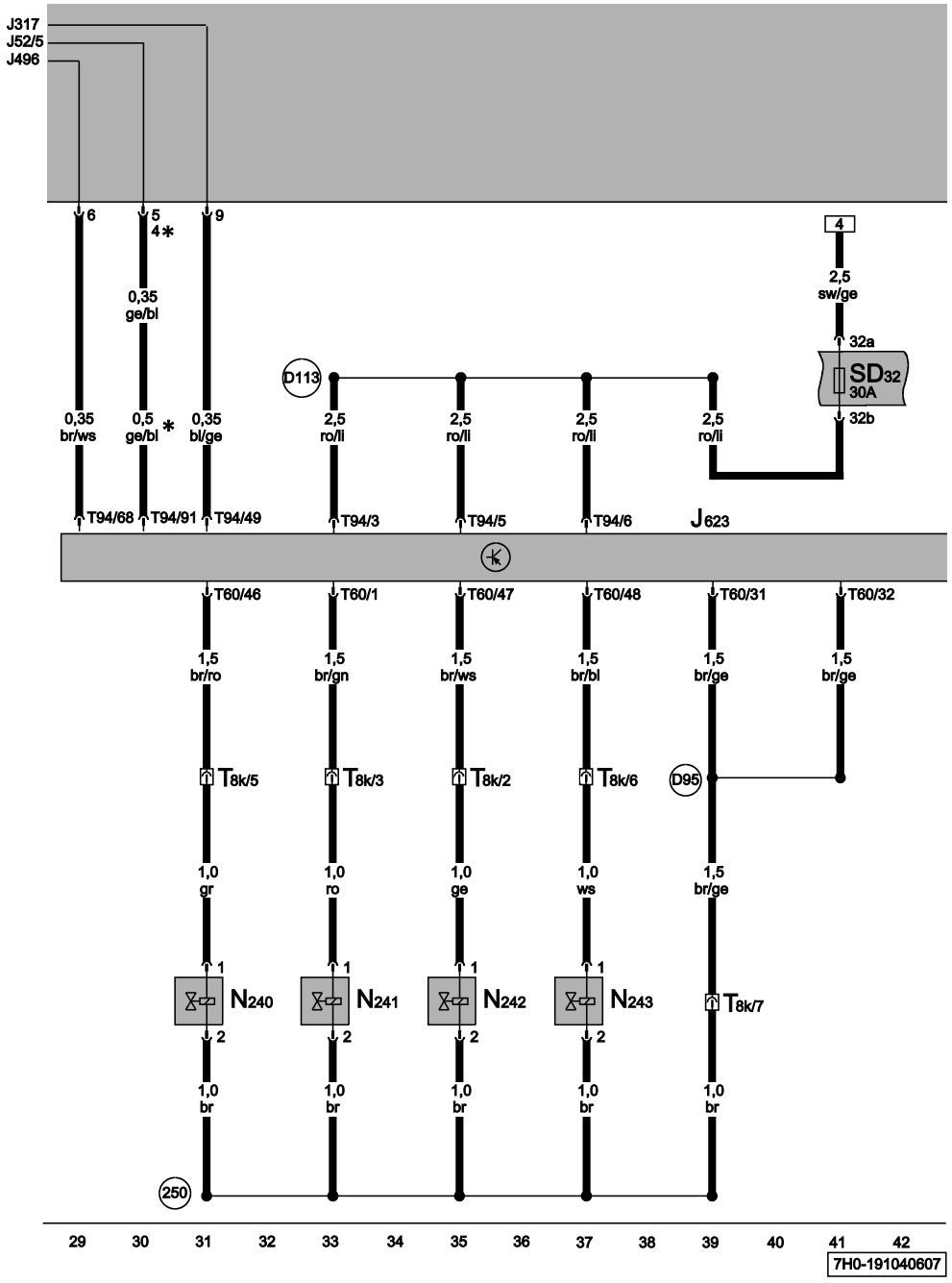
ng"
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uniform"/
>



Glow plug relay, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T4o	4-pin connector, black, glow plug terminal link
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
F31	Connection (engine glow plugs) in diesel direct injection system wiring harness
F34	Connection 2 (engine glow plugs), in diesel direct injection system wiring harness
*	⇒ applicable auxiliary coolant heater Current Flow Diagram

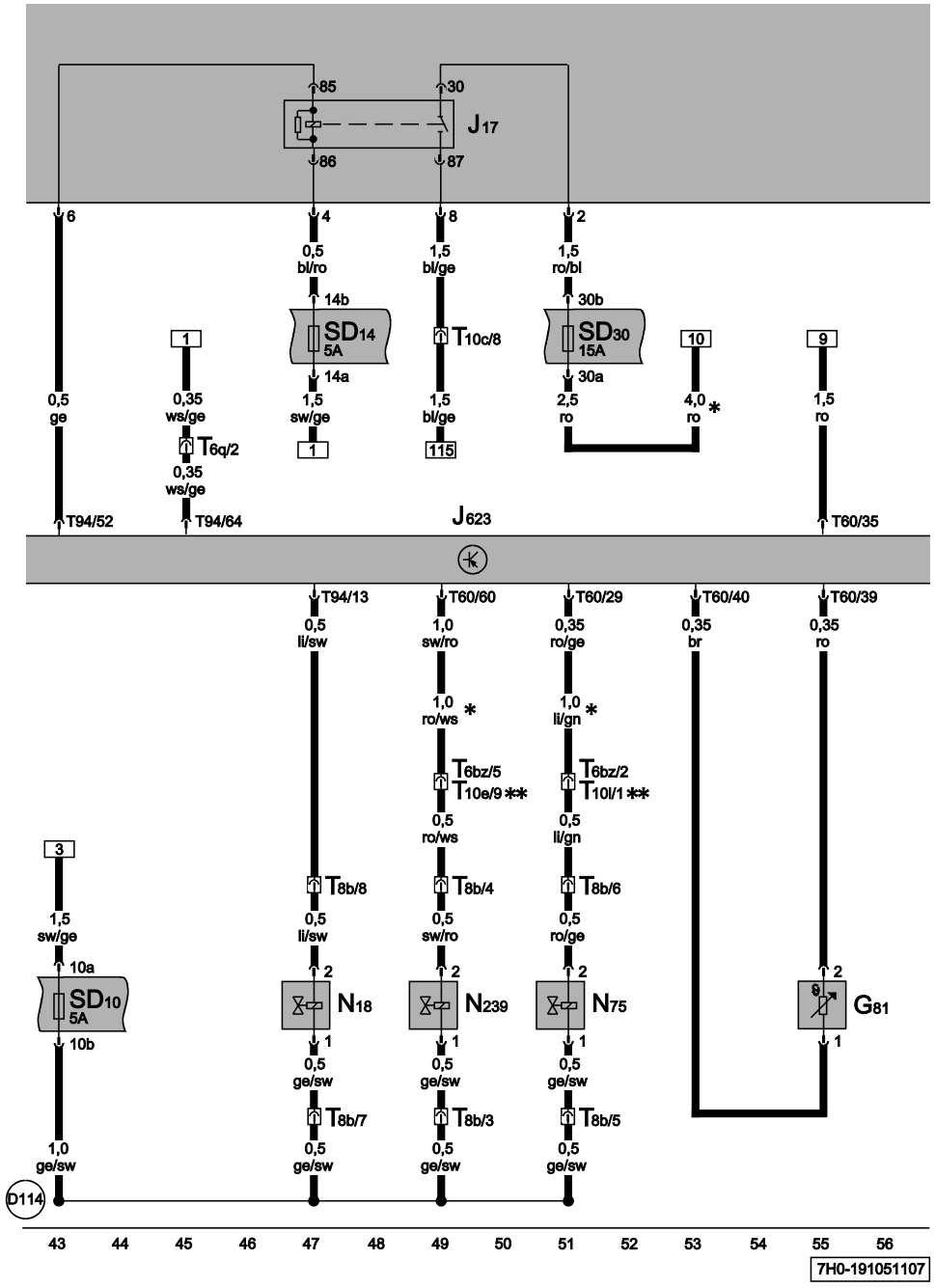
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder D
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable from June 2006

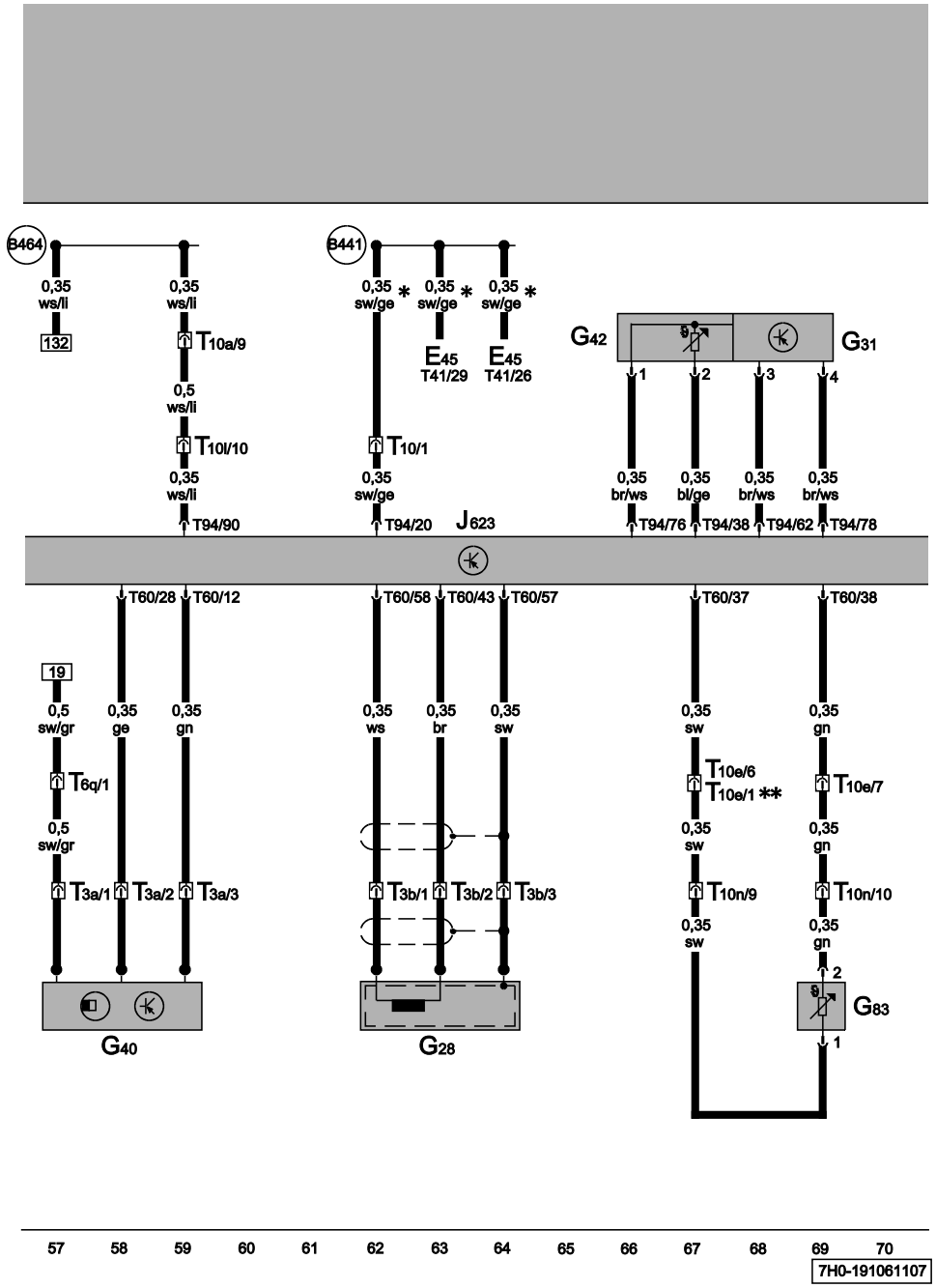
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel pump relay, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, variable intake manifold flap change-over valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8b	8-connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2006
**	applicable from June 2007

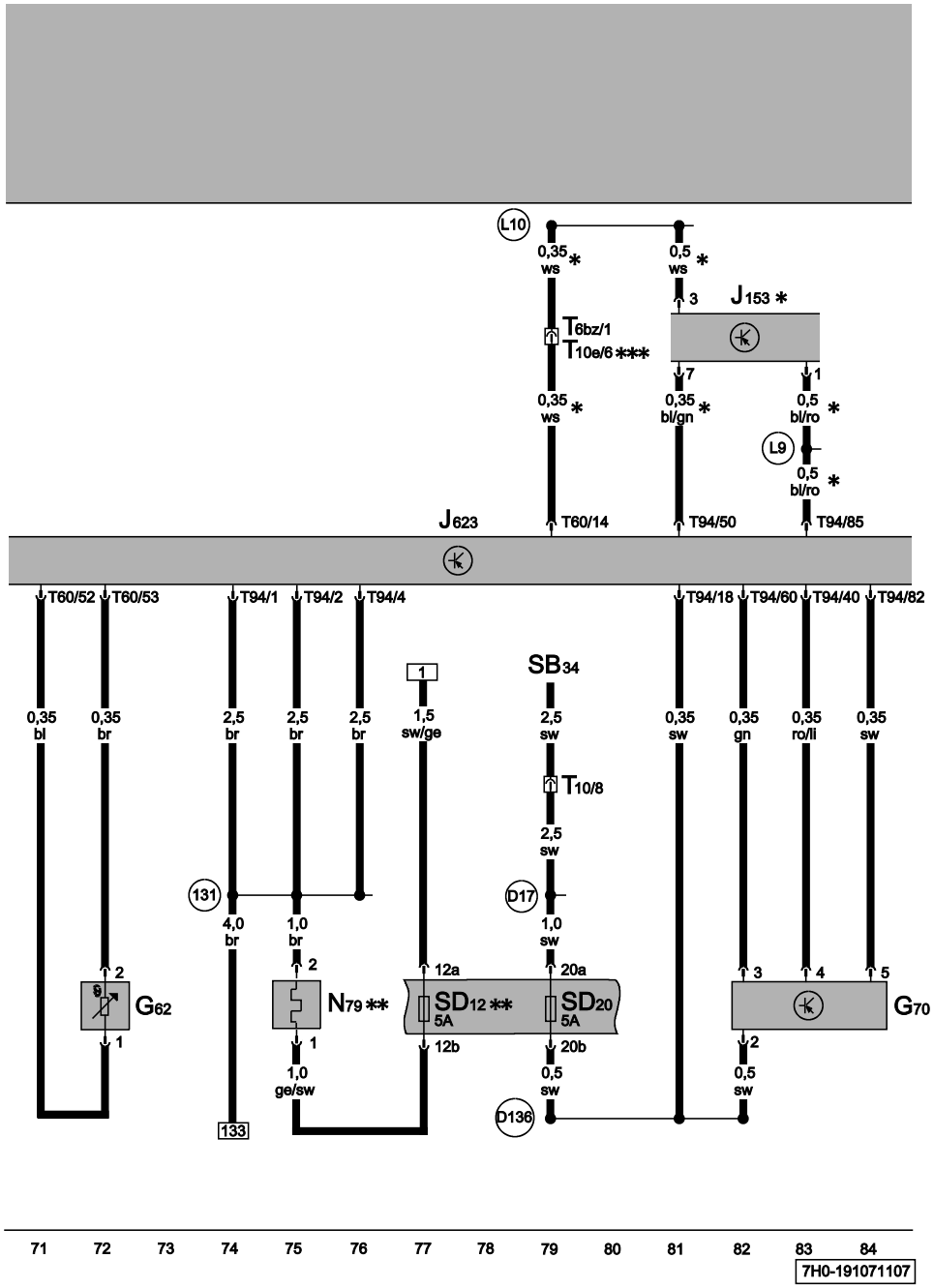
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only
**	applicable from June 2007

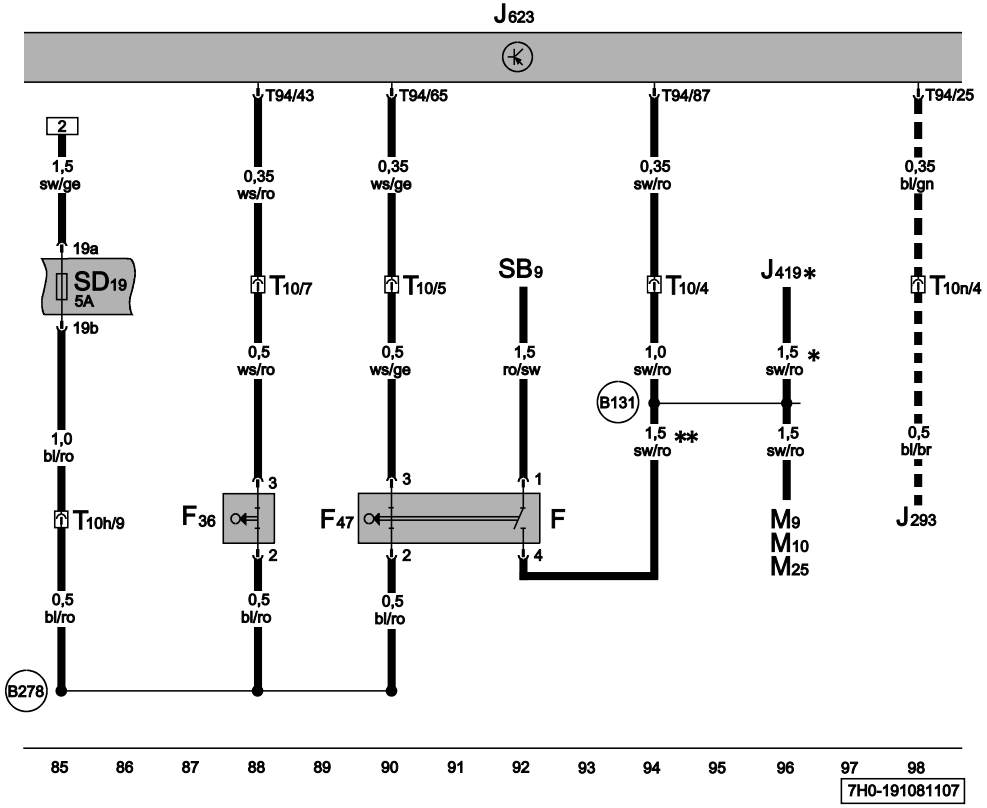
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather, magnetic clutch control unit

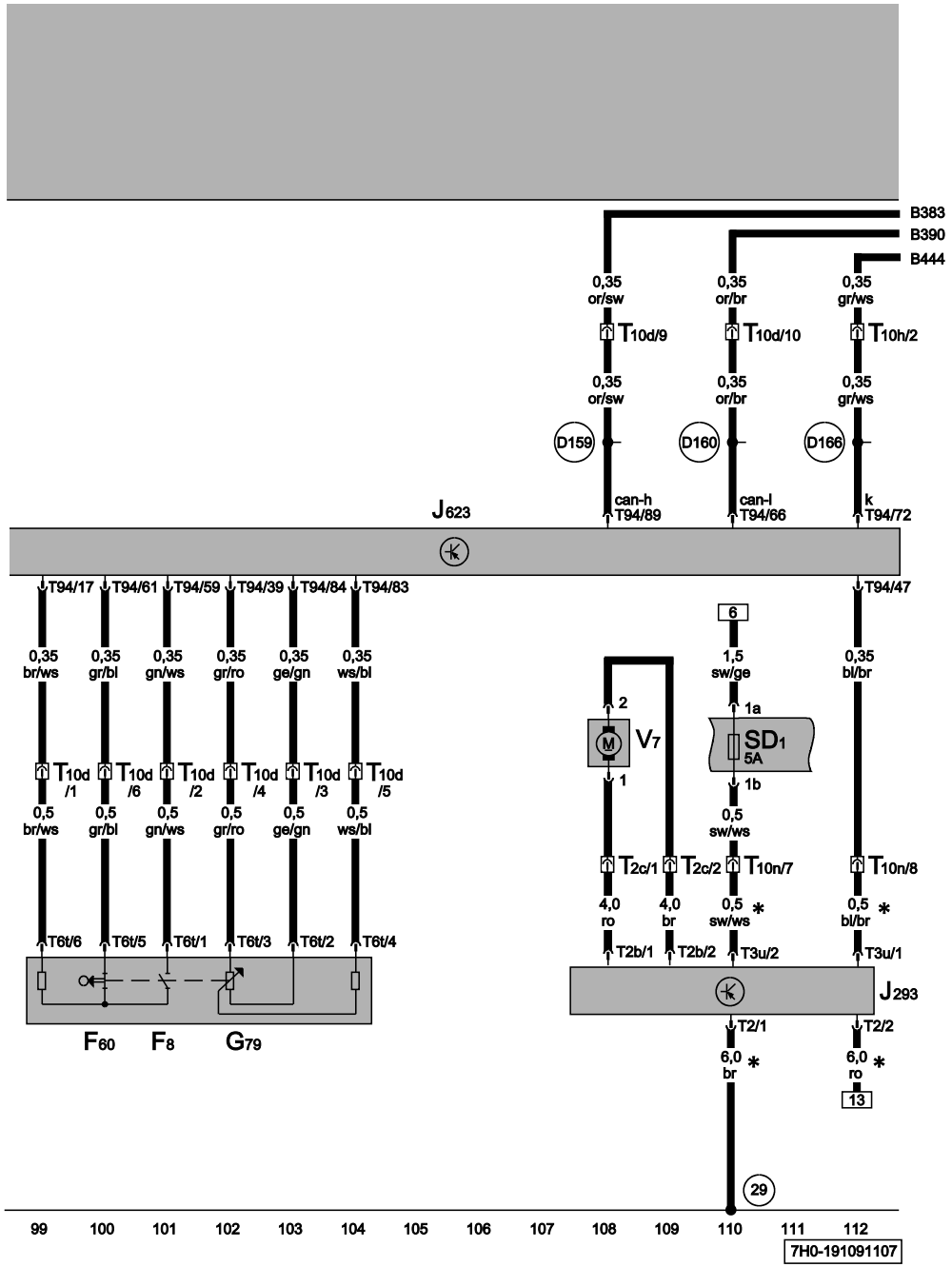
G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	for models with heater element for crankcase breather only
***	applicable from June 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

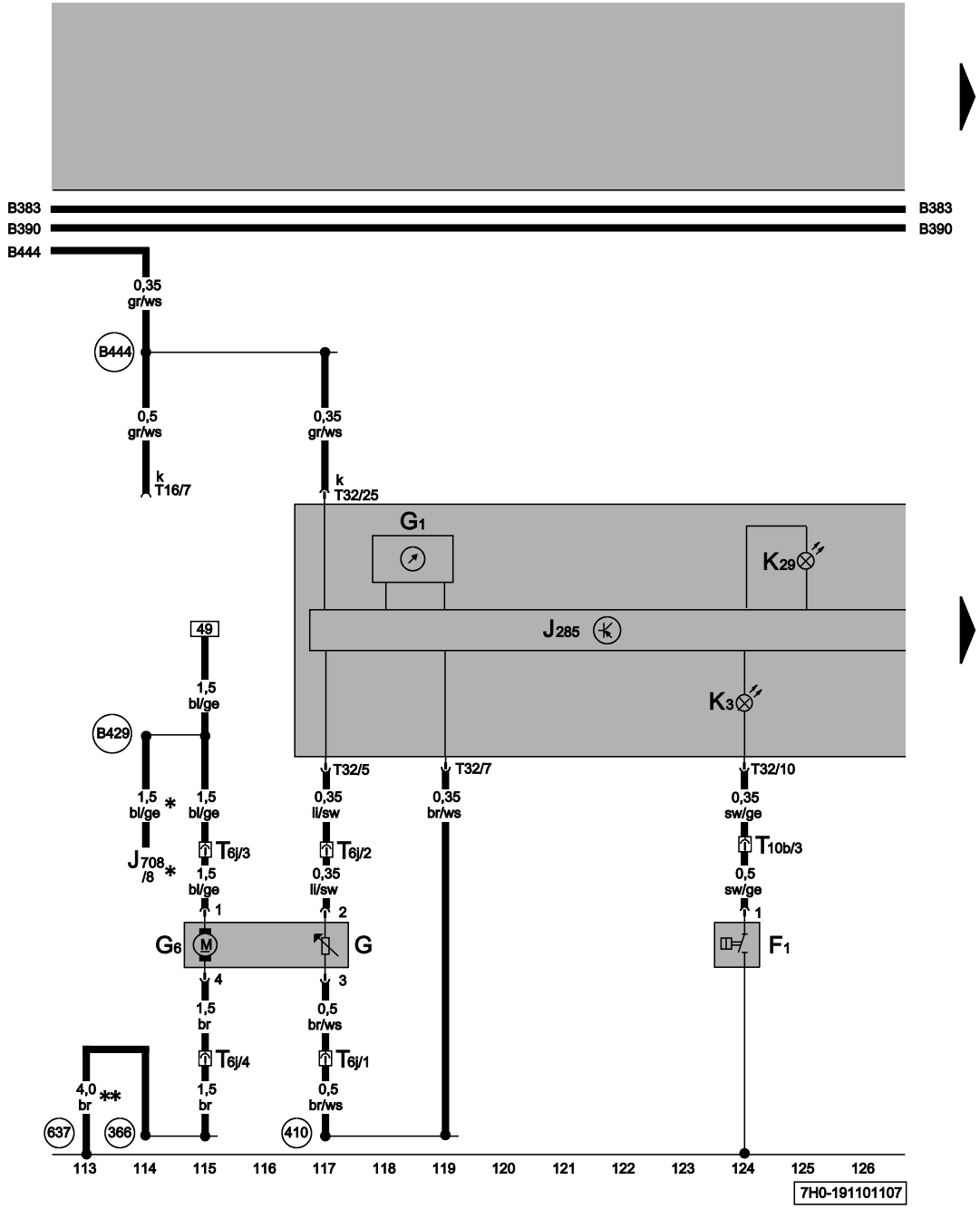
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ applicable ABS Current Flow Diagram
**	for models with ABS and without ESP only ⇒ applicable ABS Current Flow Diagram
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with Climatronic/ air conditioning system only ⇒ CFD for radiator fan



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, accelerator position sender, radiator fan control unit, radiator fan

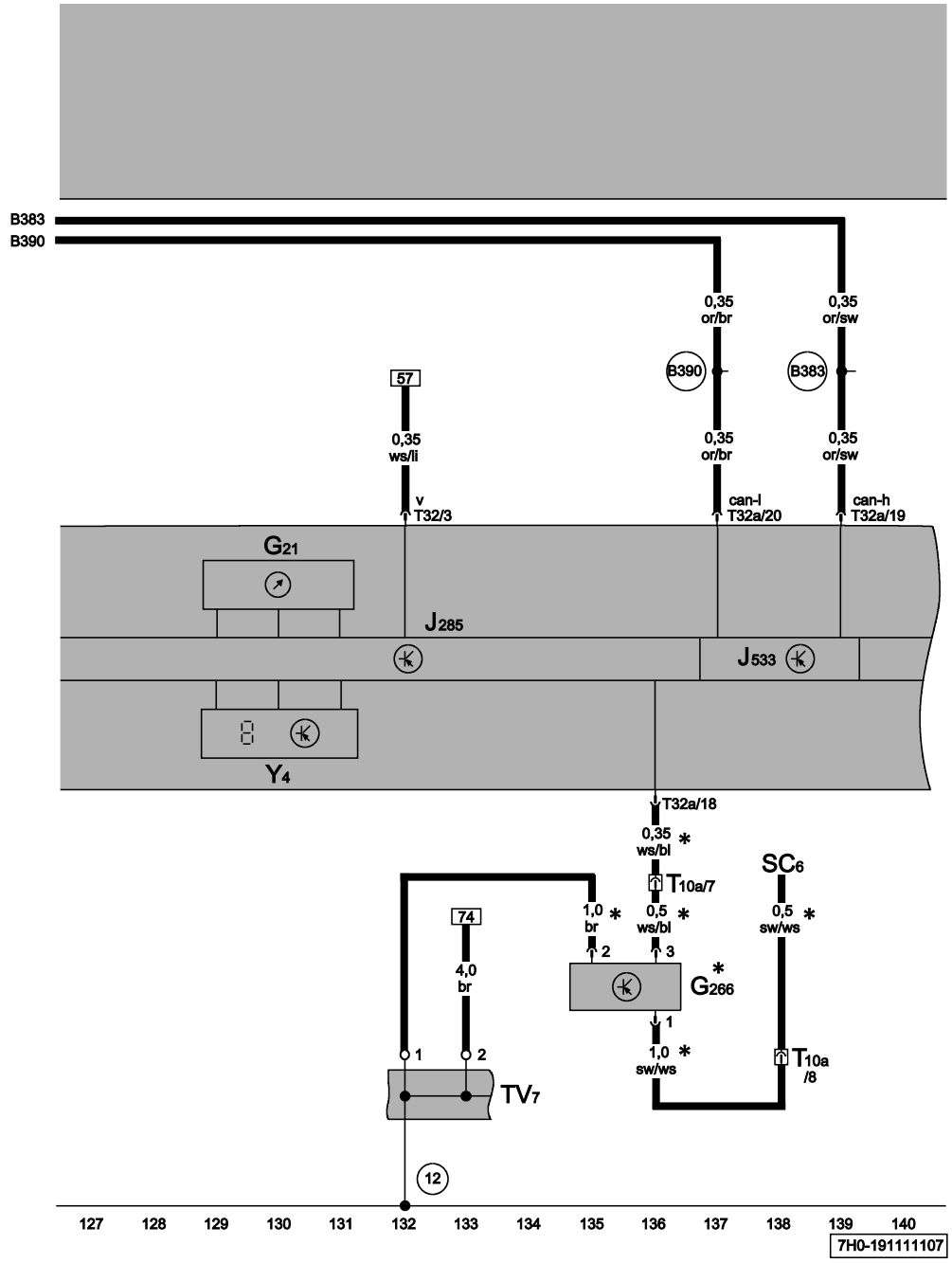
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, oil pressure switch, fuel system pressurisation pump, fuel gauge sender, warning lamps

F1	Oil pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J708	Residual heat relay
K3	Oil pressure warning lamp
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, speedometer, data bus diagnostic interface, oil level and oil temperature sender, warning lamps

G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models with extended servicing intervals only

2.5 l/96 kW - Turbodiesel engine, engine code AXD
from January 2006

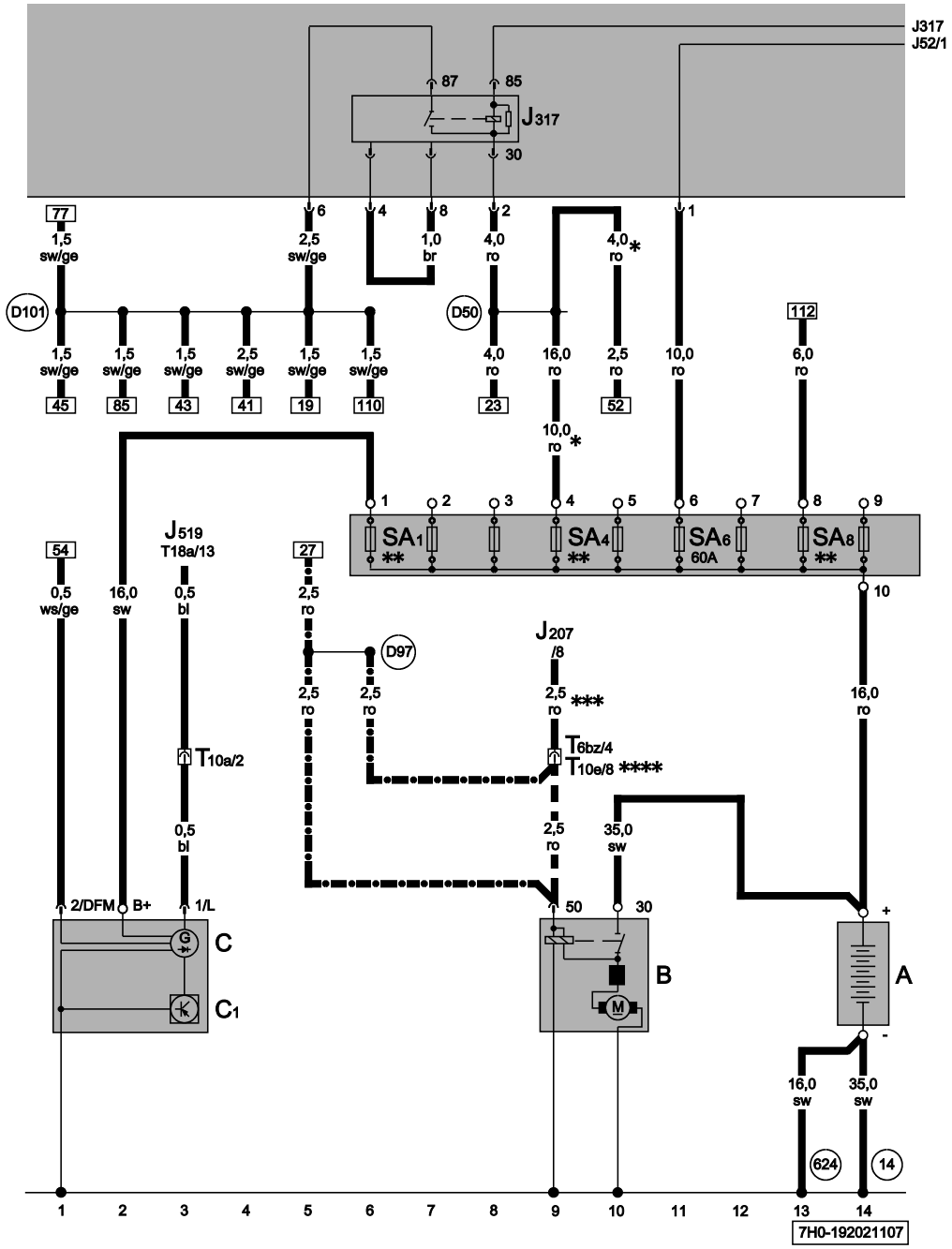
2.5 l/128 kW - Turbodiesel engine, engine code AXE
from January 2006

2.5 l/120 kW - Turbodiesel engine, engine code BLJ
from January 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	applicable from June 2006
**	Fuse location depends on equipment ⇒ Fitting Locations
***	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
****	applicable from June 2007

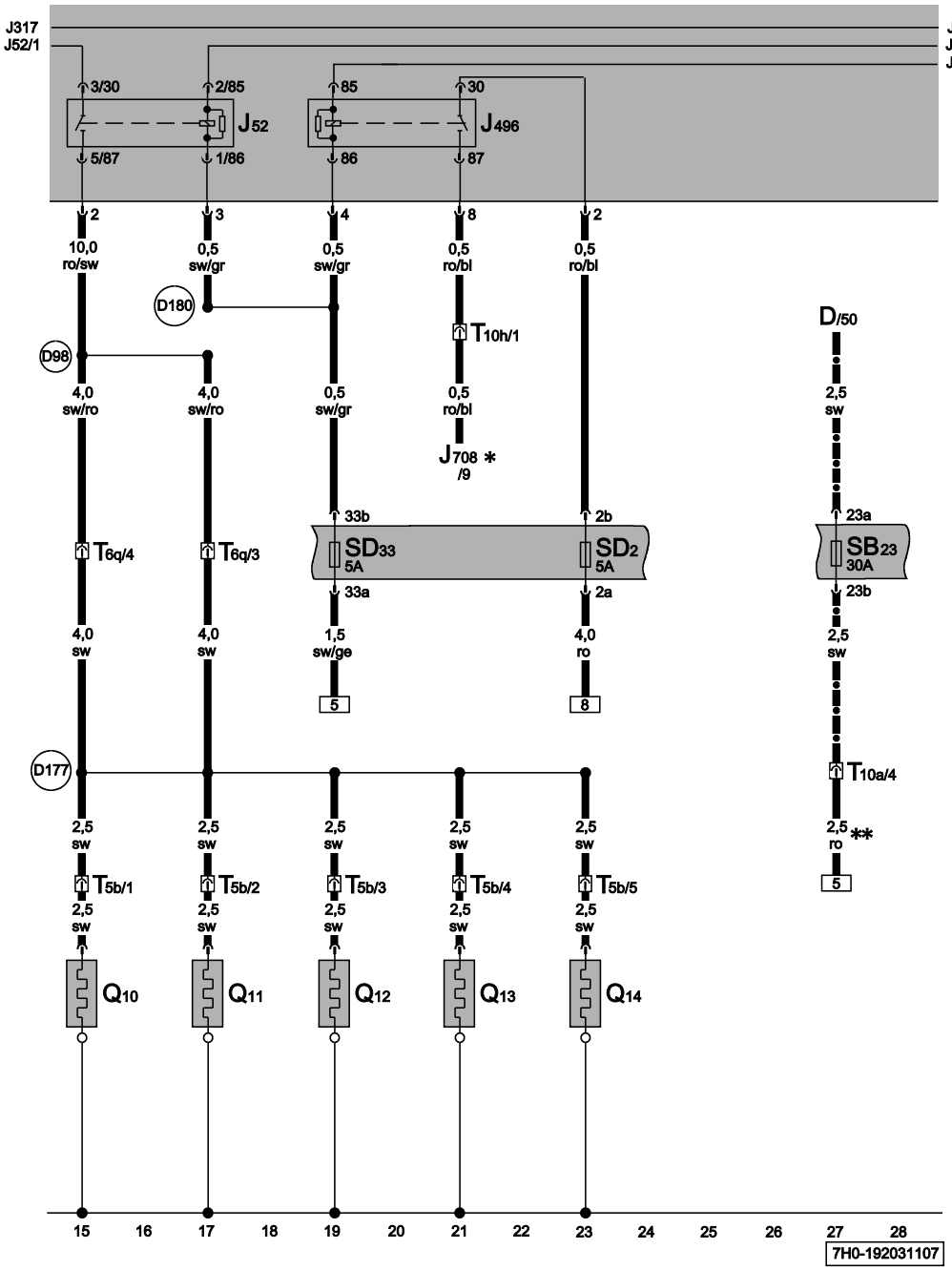
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for models with manual gearbox only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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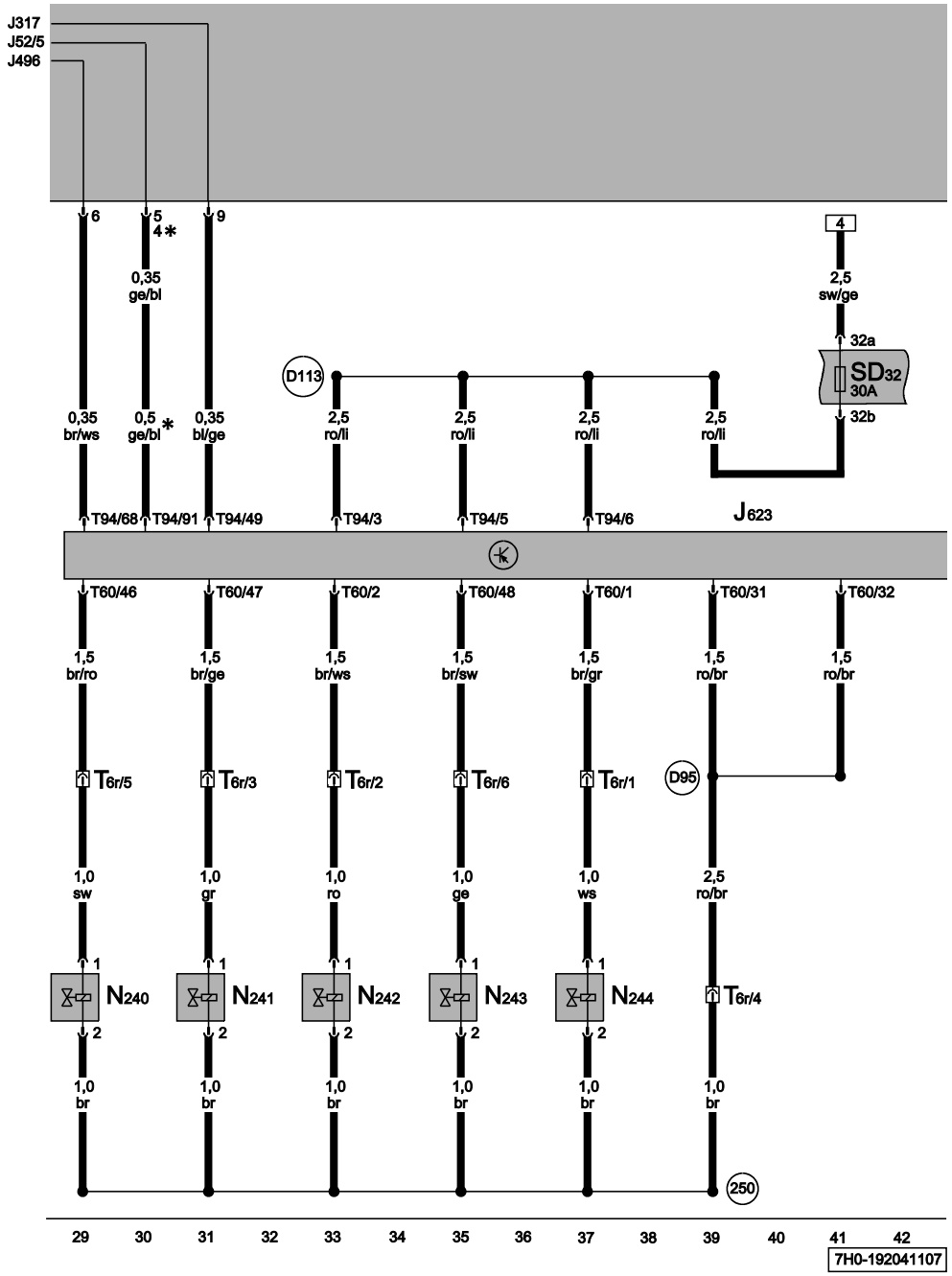
for models with automatic gearbox only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Glow plug relay, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

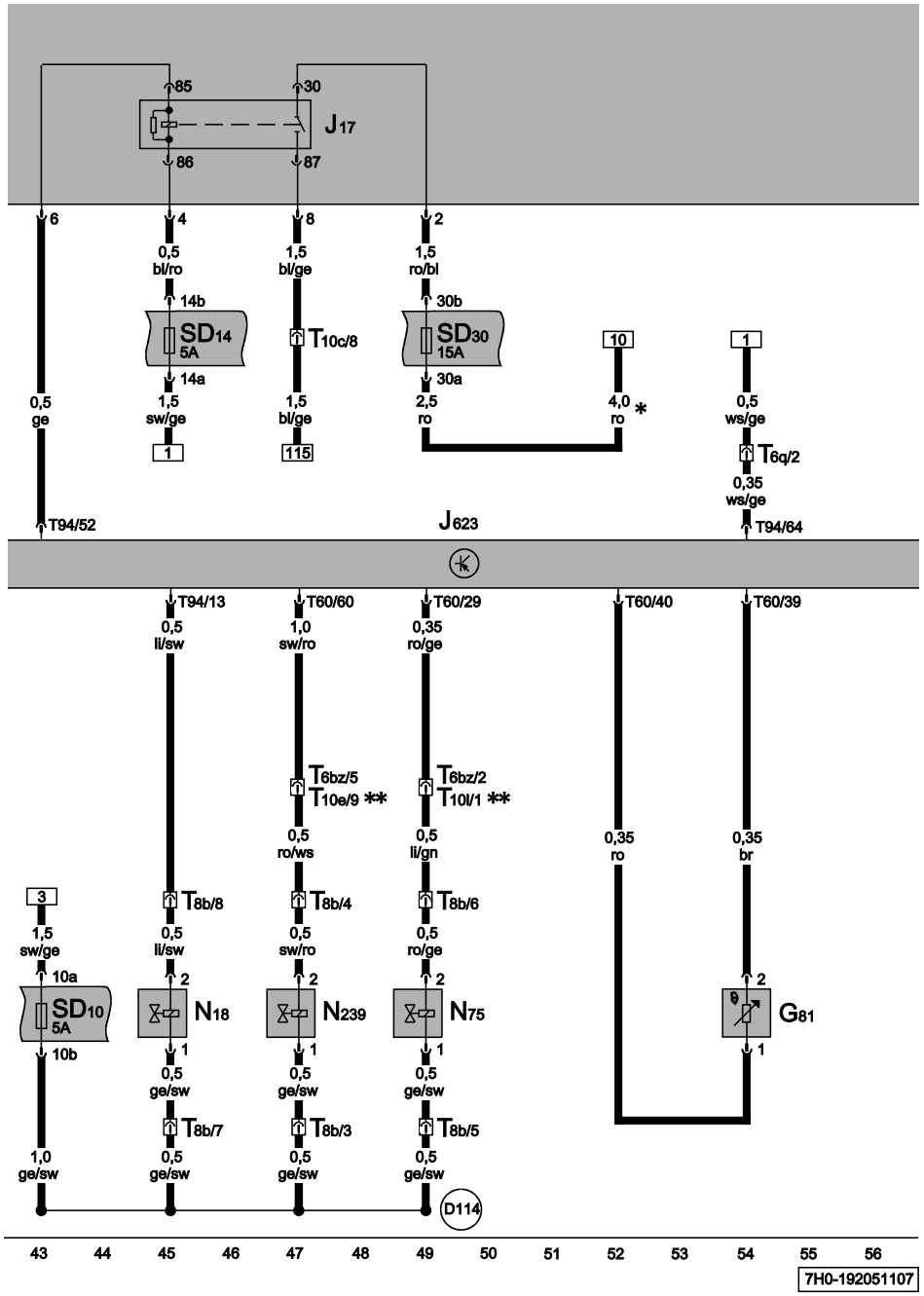
D	Ignition/starter switch
J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SB23	Fuse 23 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D177	Connection 2 (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	⇒ applicable auxiliary coolant heater Current Flow Diagram
**	for models with manual gearbox only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox and without electric interface only



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable from June 2006

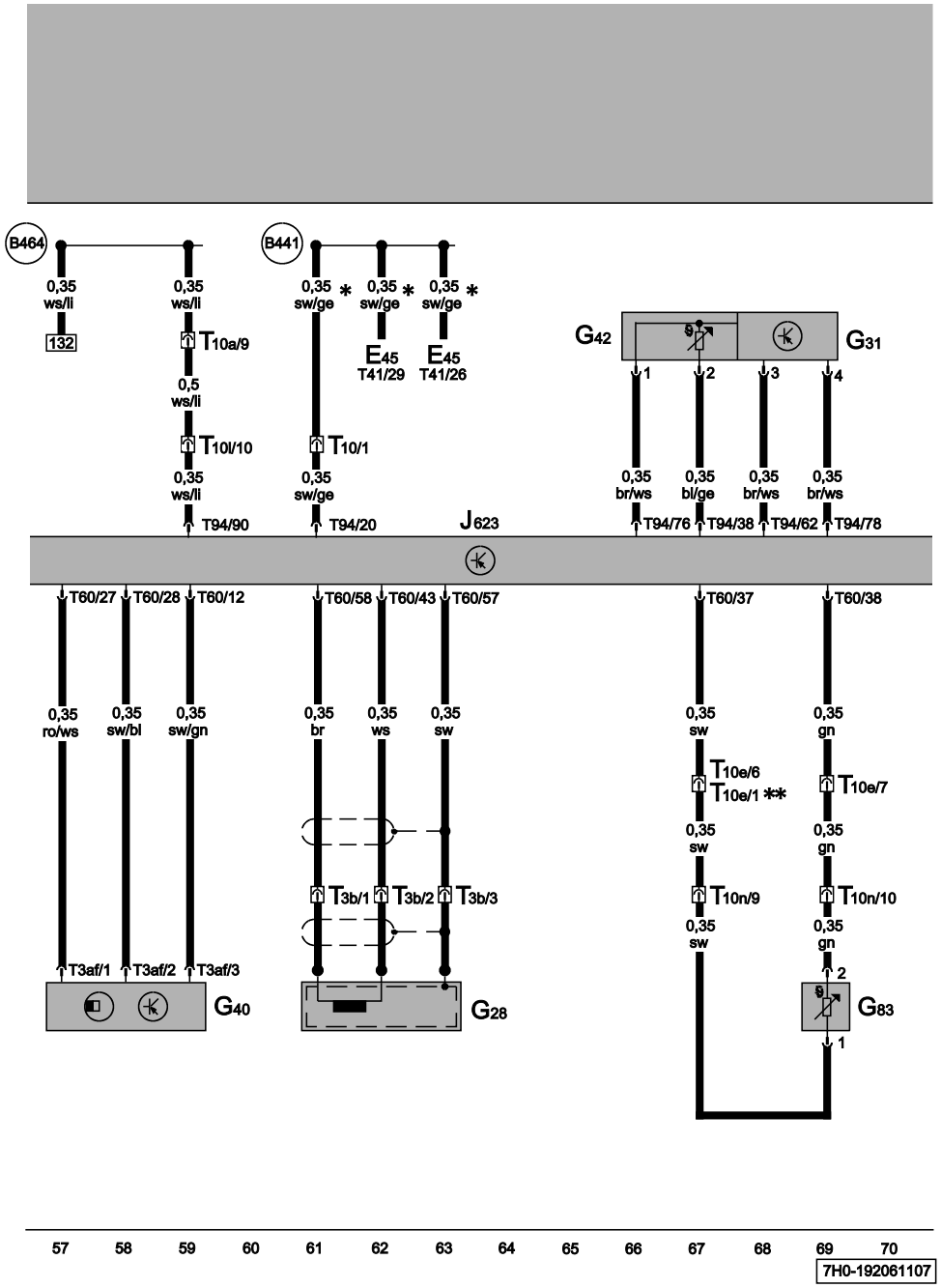
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel temperature sender, fuel pump relay, exhaust gas recirculation valve, charge pressure control solenoid valve, variable intake manifold flap change-over valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8b	8-connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2006
**	applicable from June 2007

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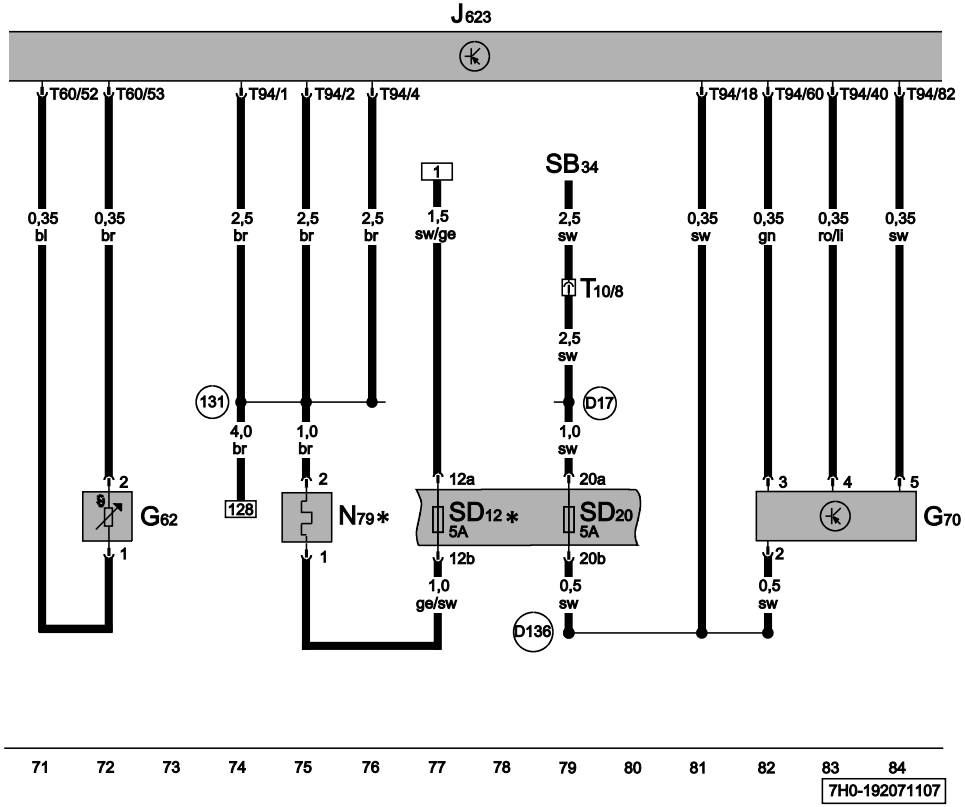


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li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3b	3-pin connector, grey, on front of engine
T3af	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only
**	applicable from June 2007



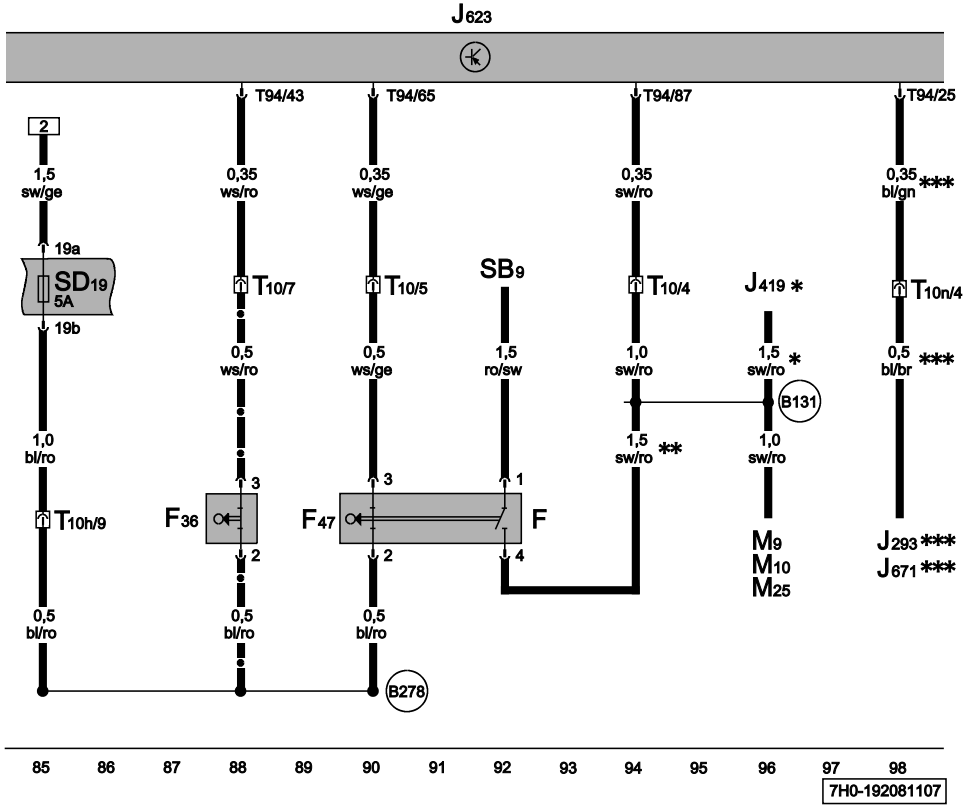


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ro = red
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with heater element for crankcase breather only

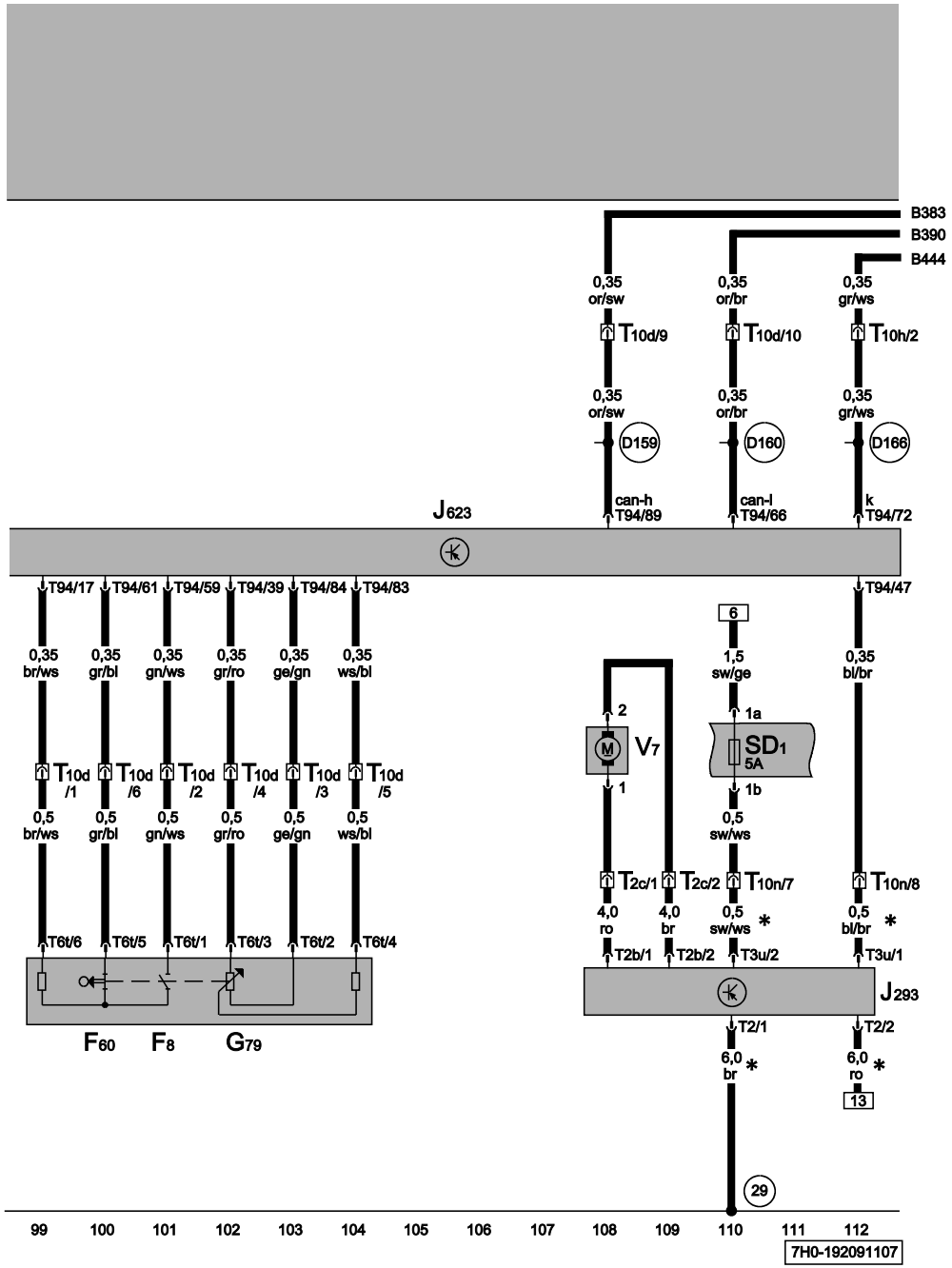




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li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch, brake light bulbs

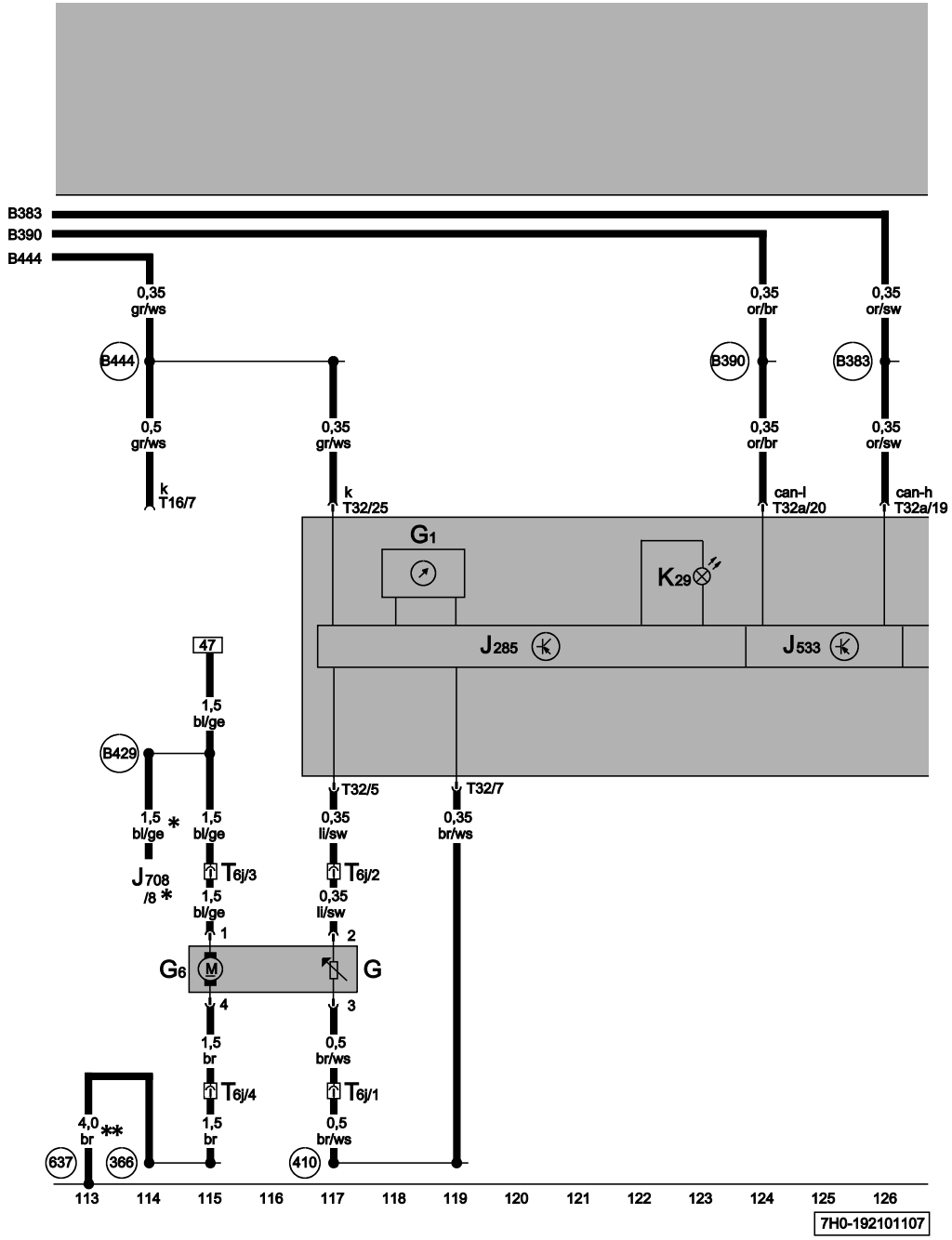
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ applicable ABS Current Flow Diagram
**	for models with ABS and without ESP only ⇒ applicable ABS Current Flow Diagram
***	for models with Climatronic/ air conditioning system only ⇒ CFD for radiator fan
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



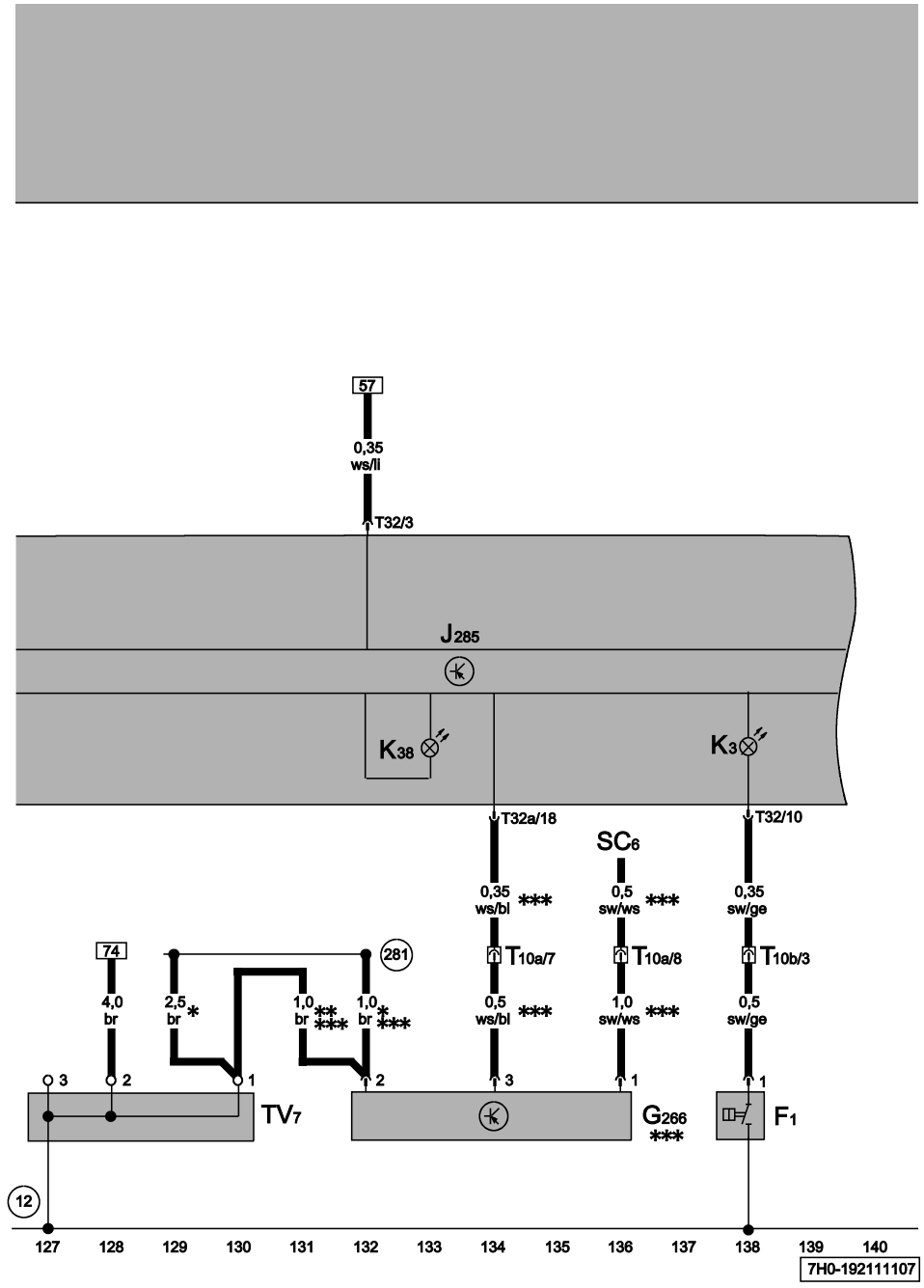
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rs = pink

Dash panel inser, data bus diagnostic interface, fuel gauge sender, fuel system pressurisation pump, warning lamps

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



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or	=	orange
rs	=	pink

3.2 l/173 kW engine (Motronic), engine code BDL

from September 2005

3.2 l/173 kW engine (Motronic), engine code BKK

3.2 l/173 kW engine (Motronic), engine code BDM

3.2 l/173 kW engine (Motronic), engine code BDM

from September 2005

Notes:

For information concerning

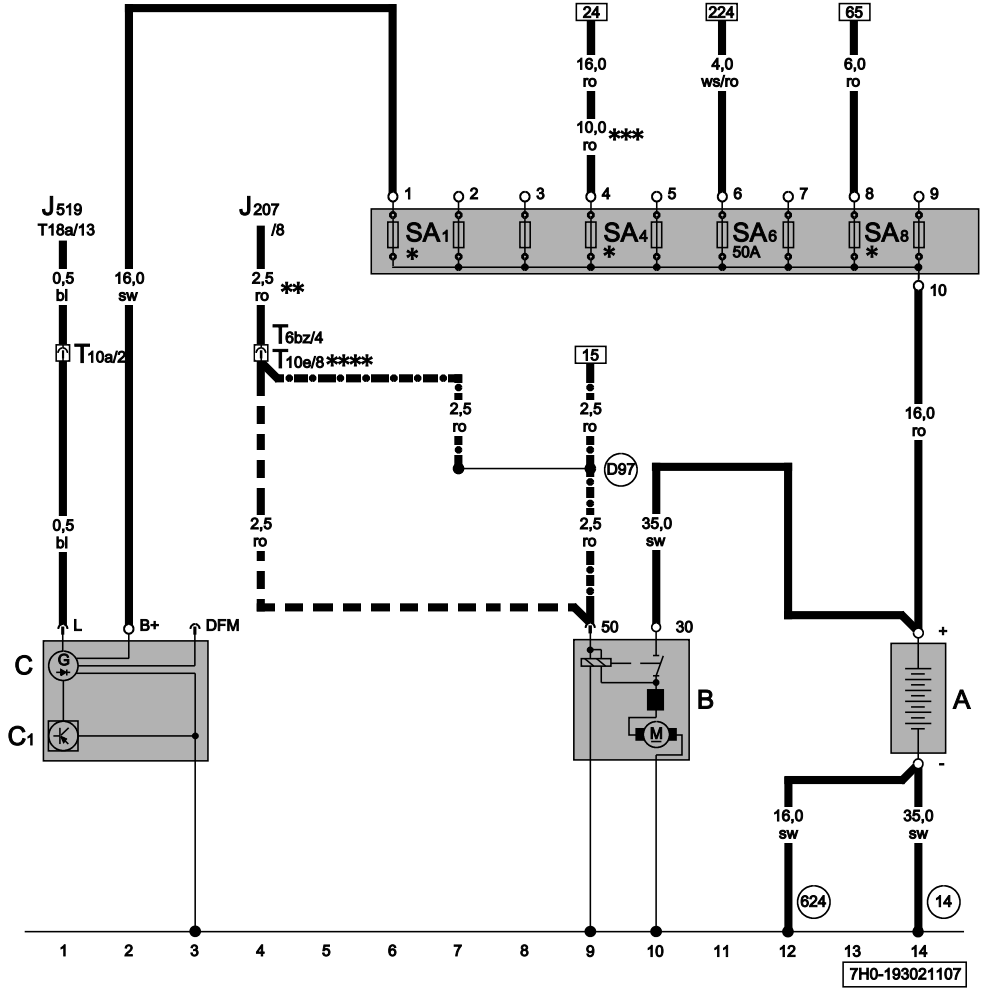
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



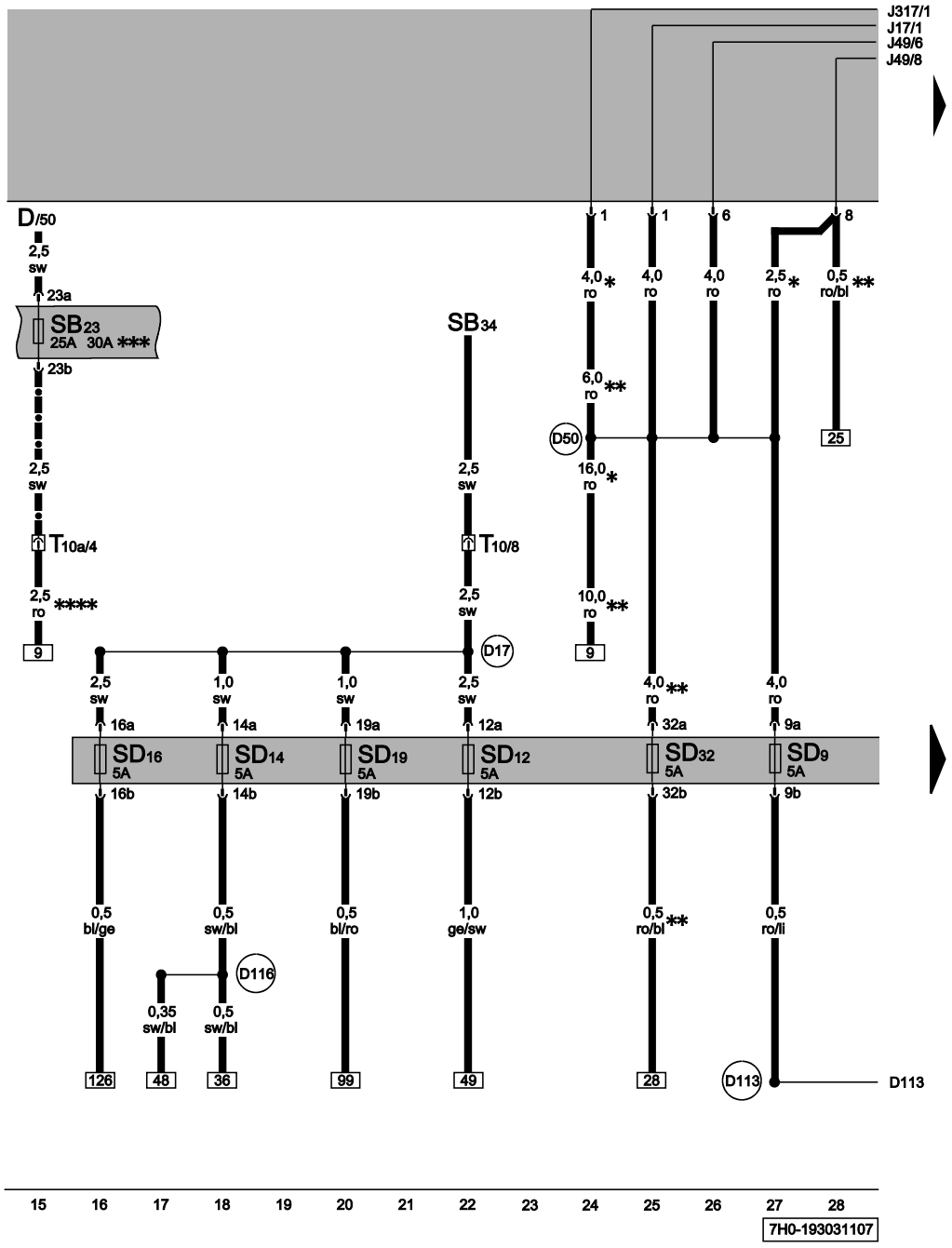
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Starter, battery, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
***	applicable from June 2006
****	applicable from June 2007
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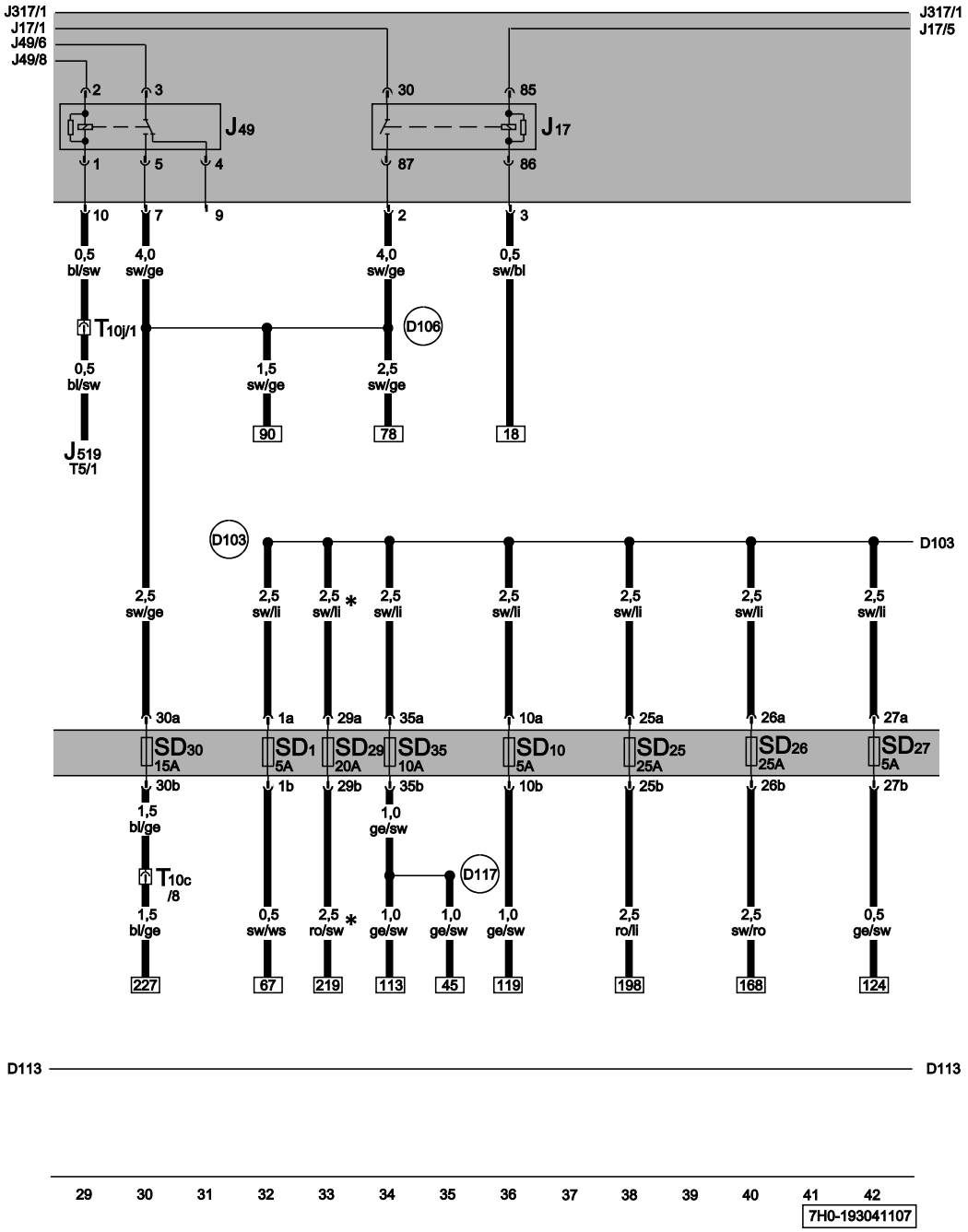
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Fuses

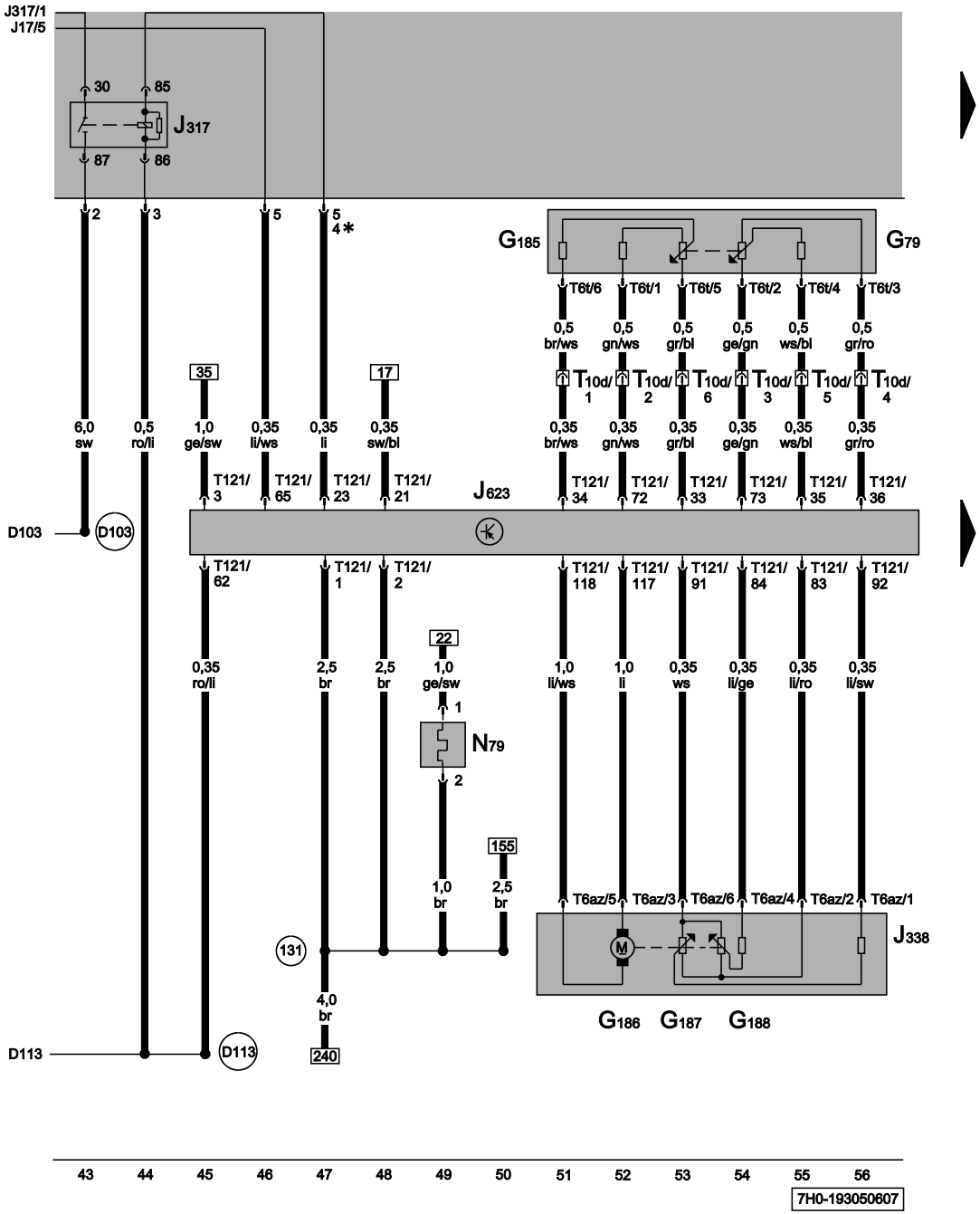
D	Ignition/starter switch
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD9	Fuse 9 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
SD32	Fuse 32 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	applicable from January 2006
****	for models with manual gearbox only
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Fuses, fuel pump relay

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD25	Fuse 25 on fuse holder D
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD35	Fuse 35 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
*	for models with automatic gearbox only

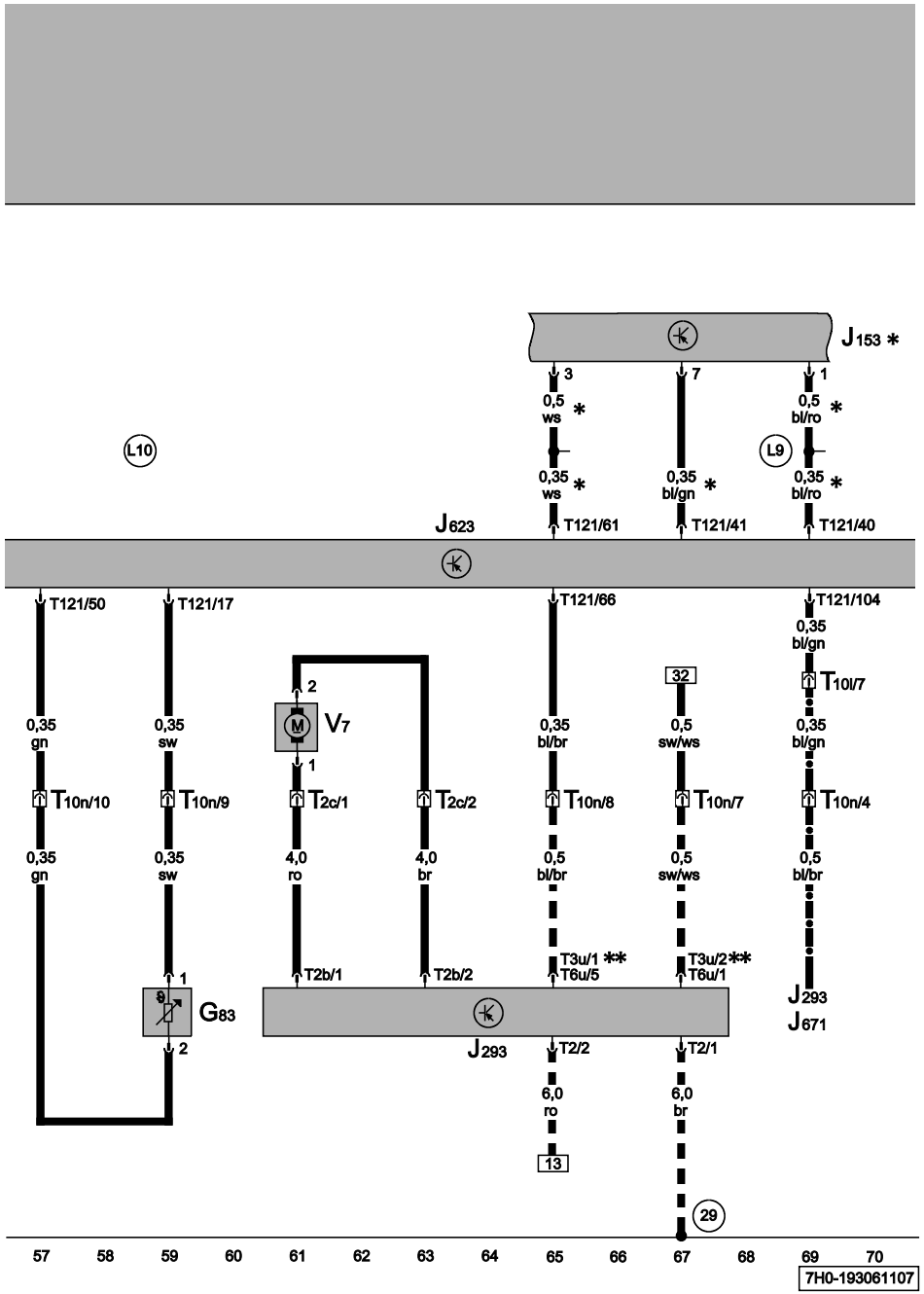
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, terminal 30 voltage supply relay, accelerator position sender, throttle valve module, heater element for crankcase breather

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J317	Terminal 30 voltage supply relay
J338	Throttle valve module
J623	Engine control unit
N79	Heater element for crankcase breather
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector
131	Earth connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	applicable from June 2006



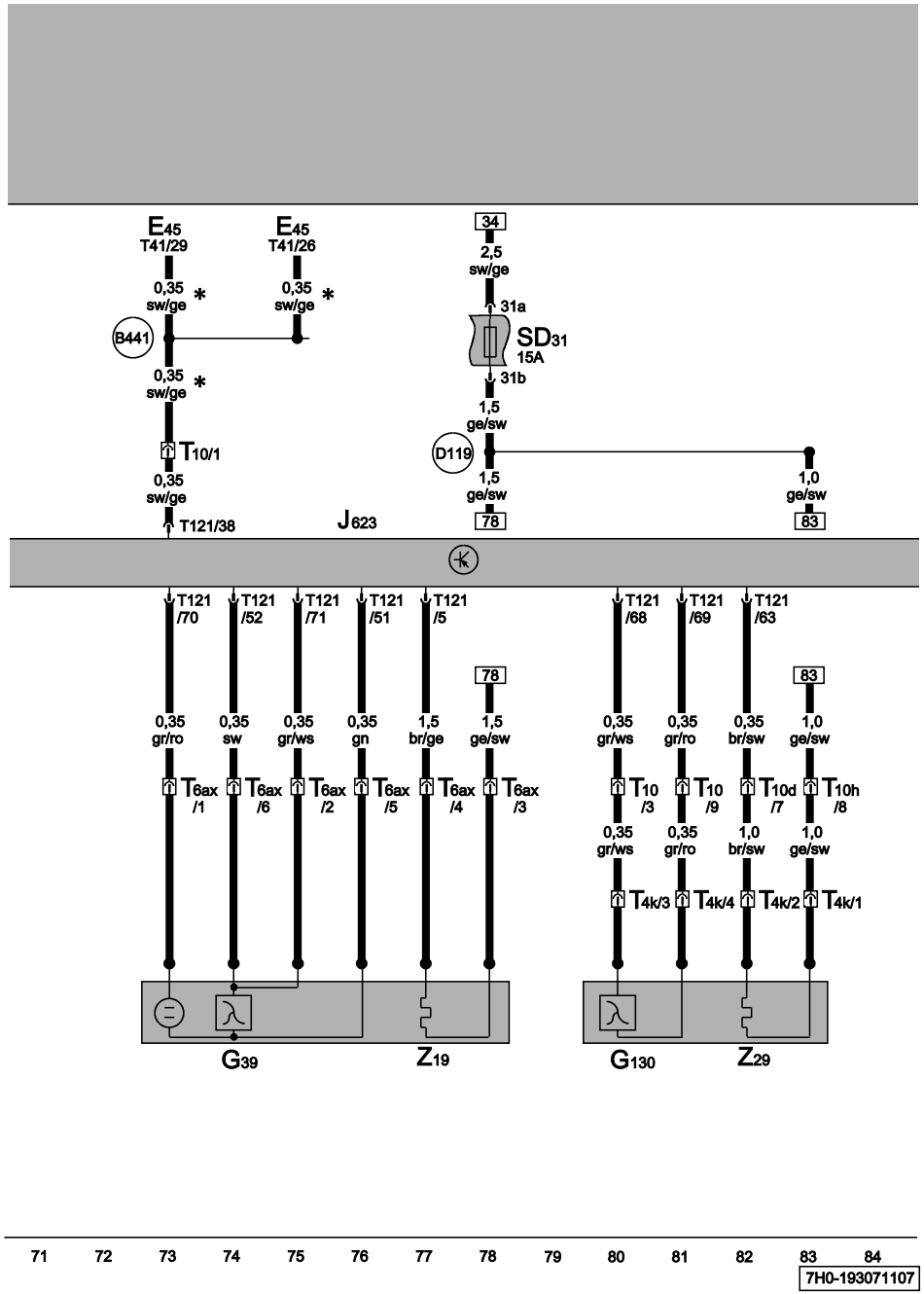
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Engine control unit, radiator outlet coolant temperature sender, magnetic clutch control unit, radiator fan

G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6u	6-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	applicable from January 2006
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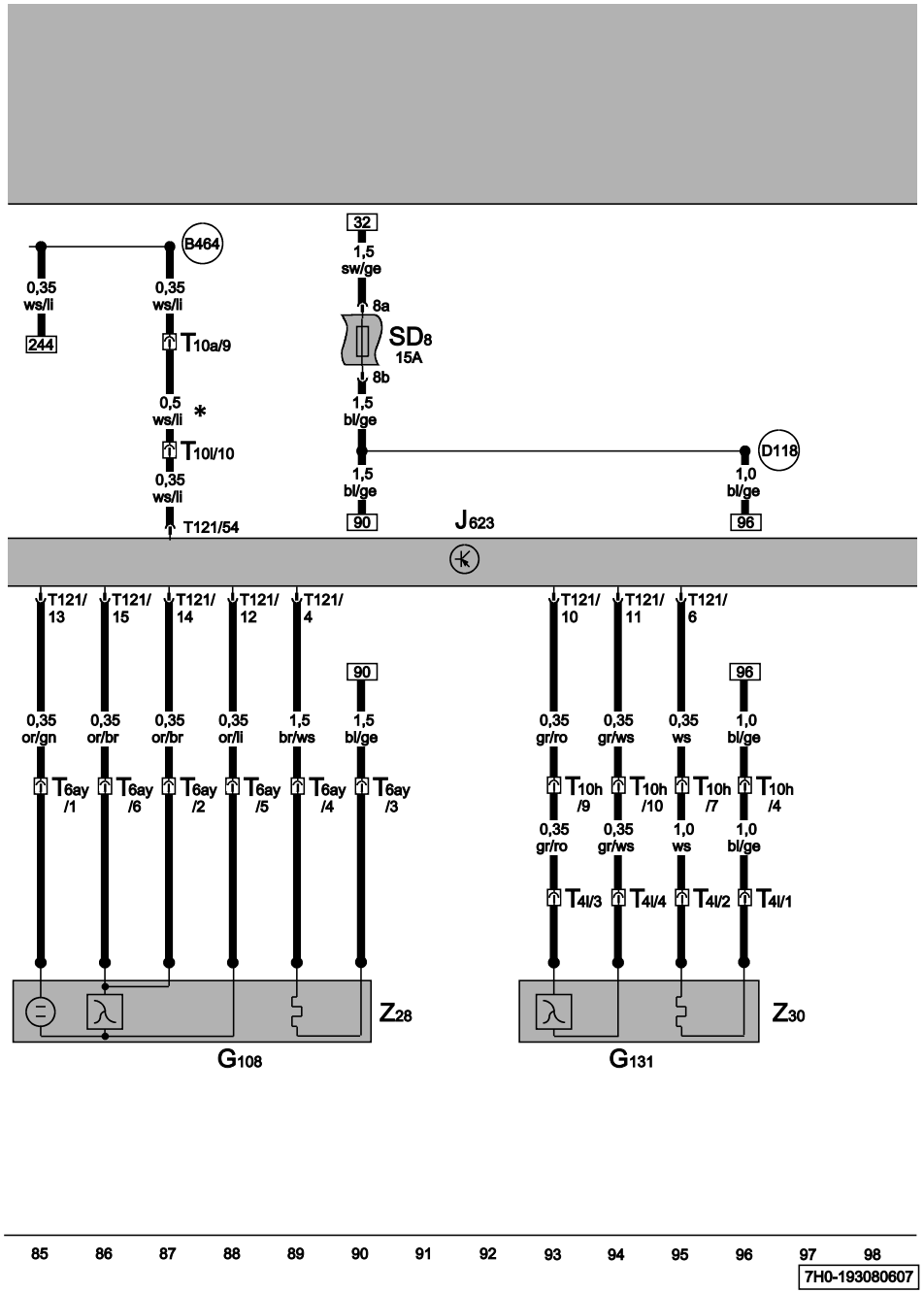
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Engine control unit, lambda probes

E45	Cruise control system switch
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black, on underbody, next to the auxiliary heater
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
B441	Connection (CCS), in main wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with cruise control system only

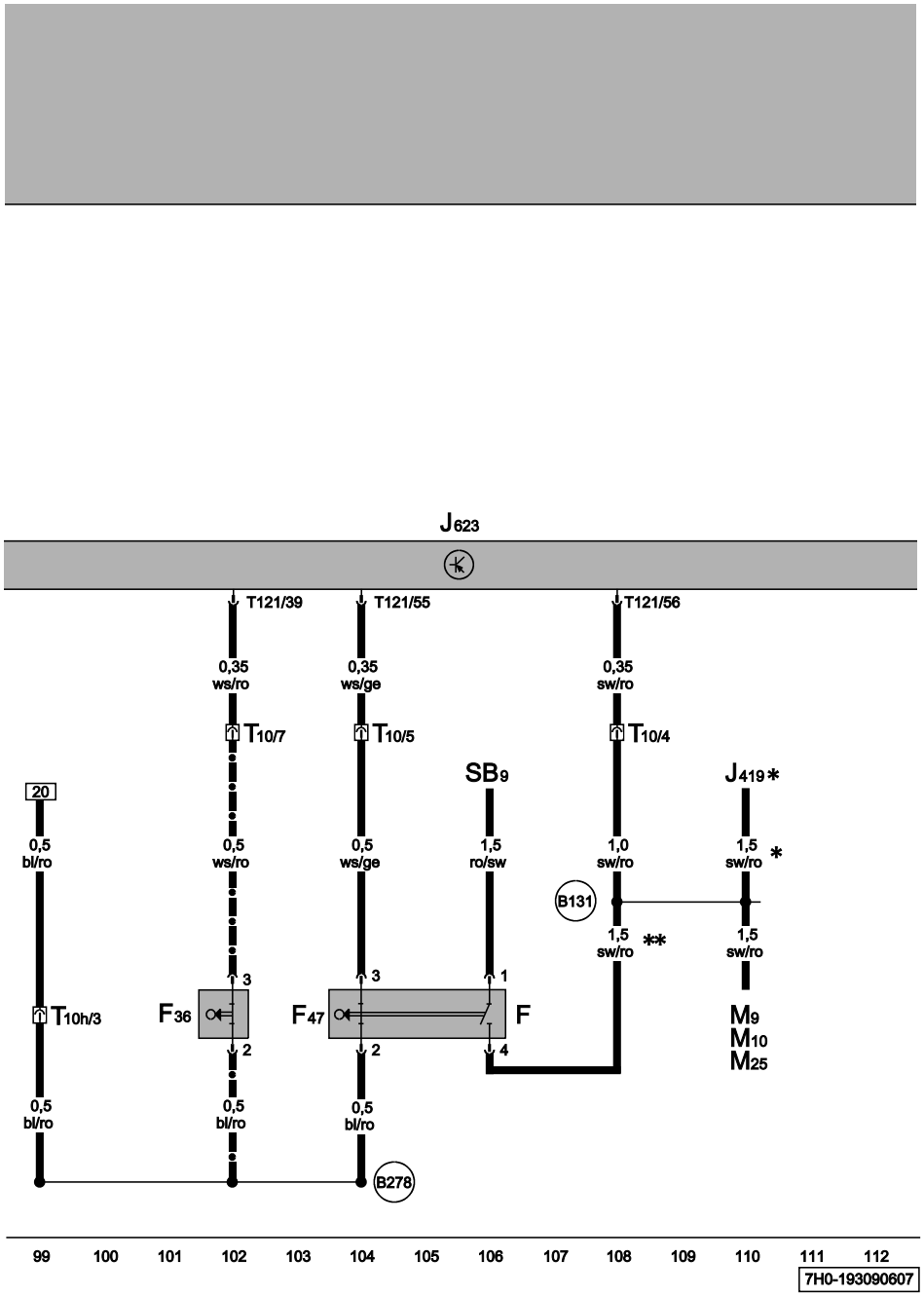
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or	=	orange
rs	=	pink



Engine control unit, lambda probes

G108	Lambda probe 2
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SD8	Fuse 8 on fuse holder D
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6ay	6-pin connector, brown, on left in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z28	Lambda probe 2 heater
Z30	Lambda probe 2 heater after catalytic converter
B464	Connection (speed signal), in main wiring harness
D118	Connection 16, in engine compartment wiring harness
*	for models with manual gearbox only

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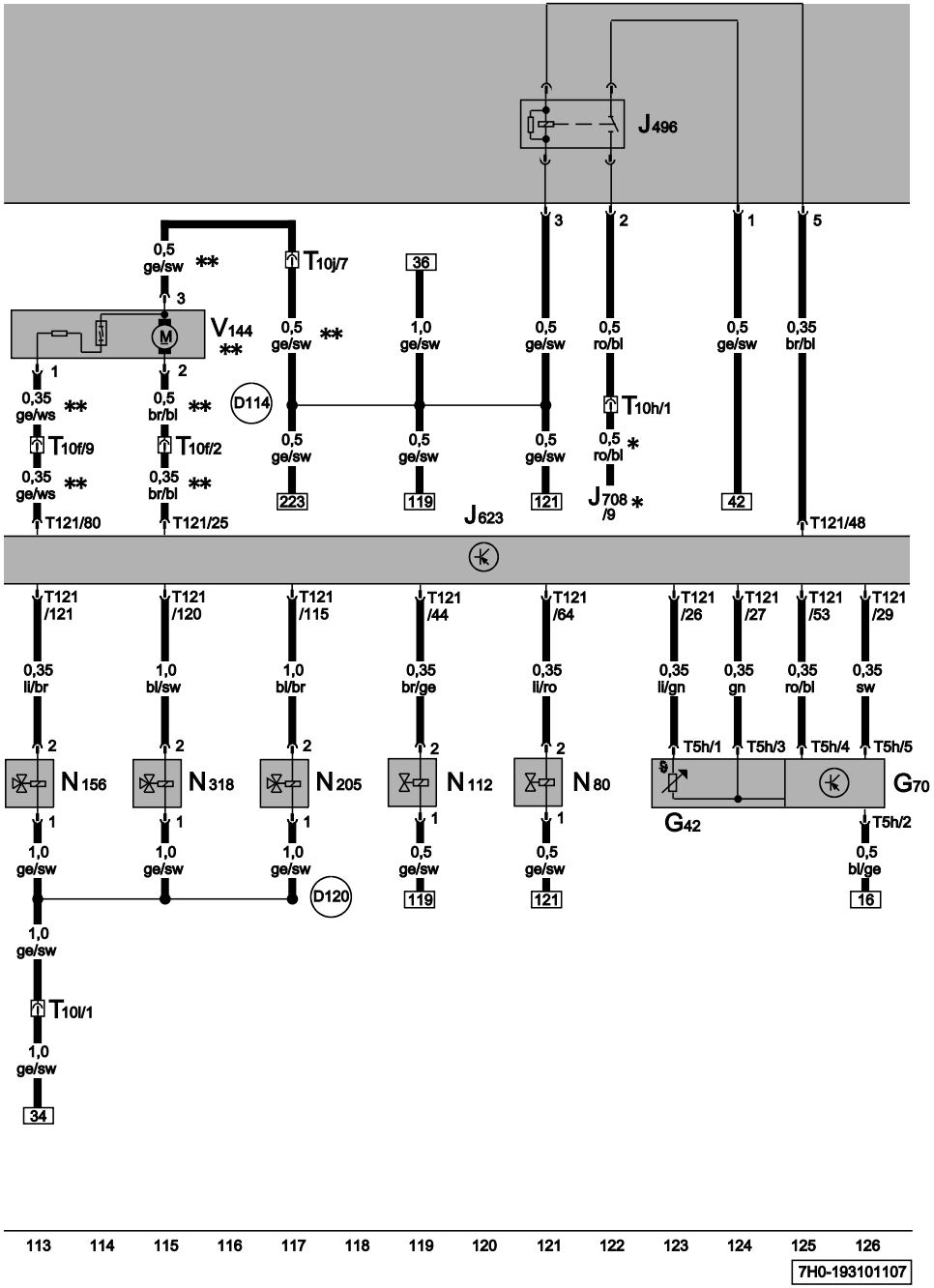


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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake light switch, clutch pedal switch, brake light bulb

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
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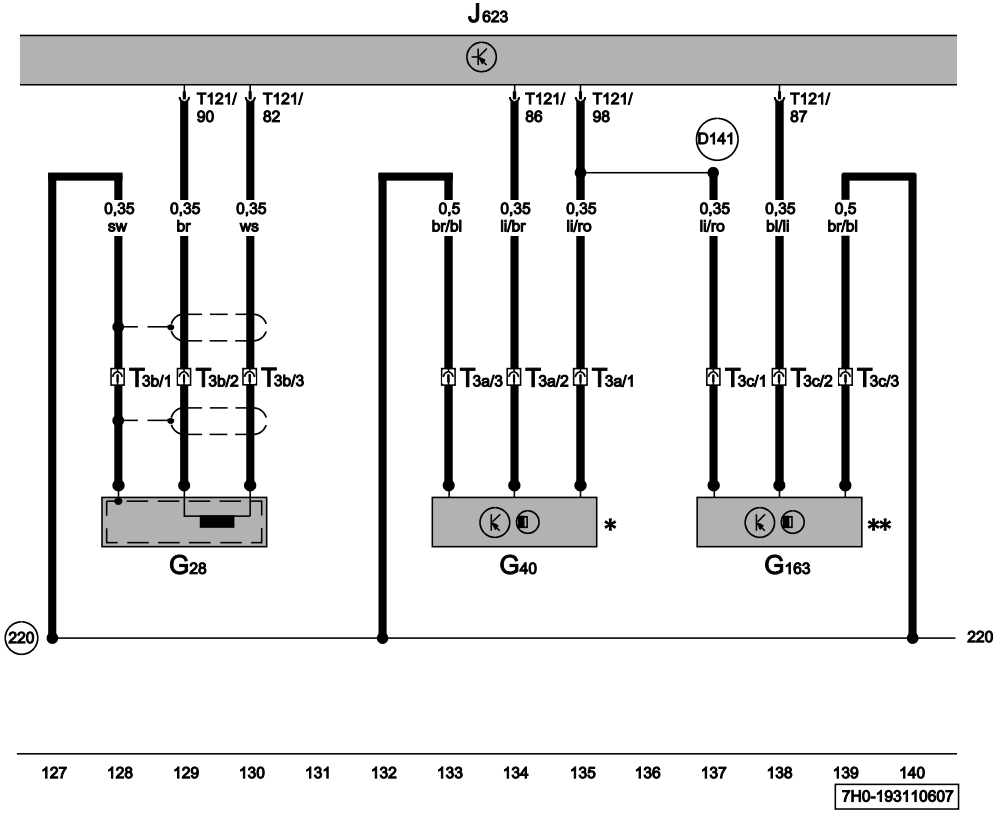
Engine control unit, intake air temperature sender, air mass meter, additional coolant pump relay, valves, fuel system diagnostic pump

G42	Intake air temperature sender
G70	Air mass meter
J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
T5h	5-pin connector, brown
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V144	Fuel system diagnostic pump
D114	Connection 12, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram
**	for models with engine code BDM only

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br	=	brown
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or	=	orange
rs	=	pink

Engine control unit, engine speed sender, Hall sender

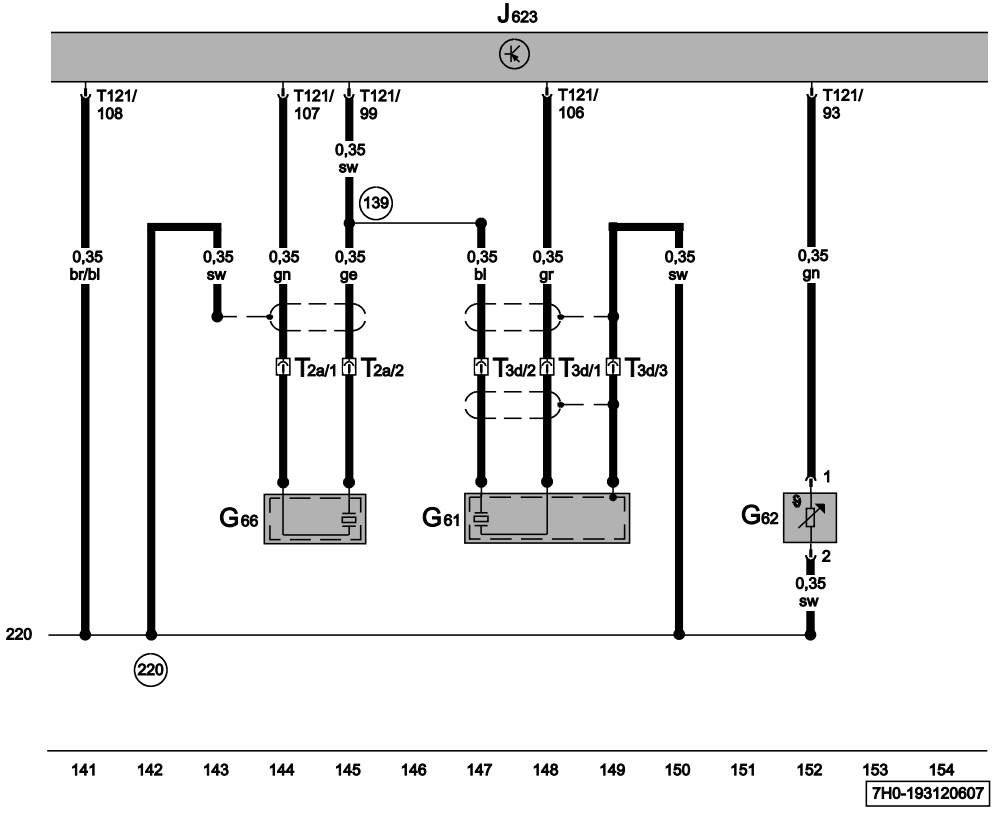
G28	Engine speed sender
G40	Hall sender
G163	Hall sender 2
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3c	3-pin connector, black, on front of engine
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine wiring harness
*	Camshaft sender - Inlet valves
**	Camshaft sender - Outlet valves



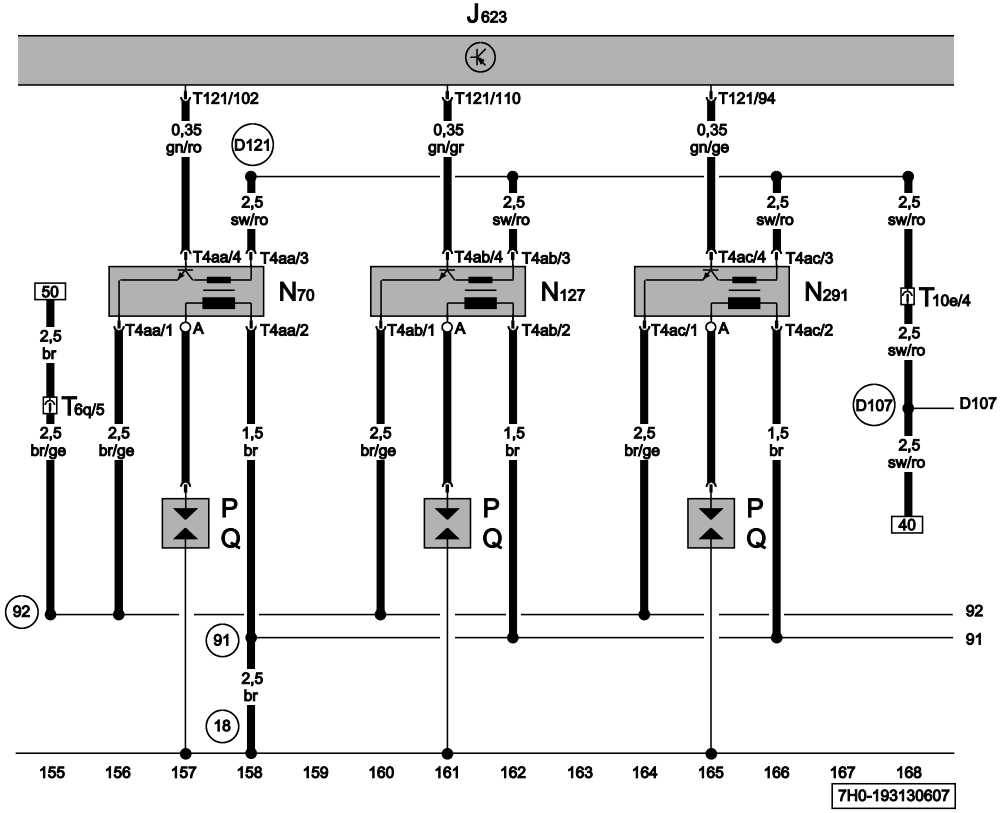
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, knock sensors, coolant temperature sender

G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3d	3-pin connector, black, on front of engine
T121	121-pin connector
139	Earth connection (sender earth), in Motronic wiring harness
220	Earth connection (sender earth), in engine wiring harness



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
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or	=	orange
rs	=	pink



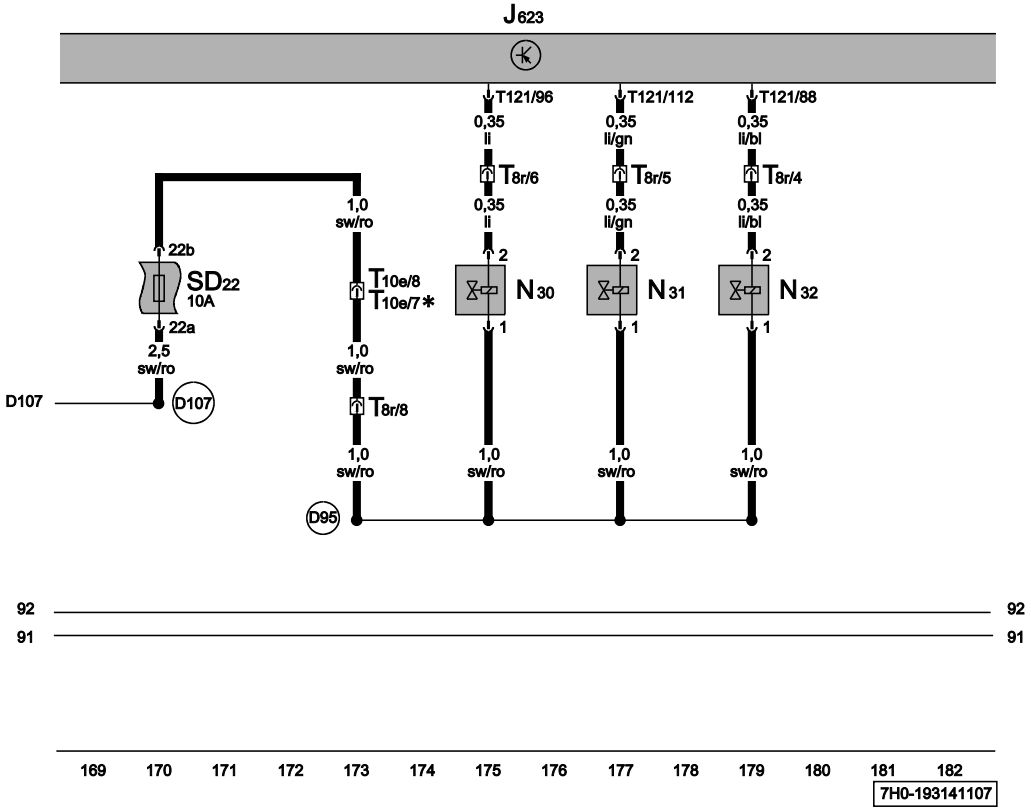
Engine control unit, ignition coils 1 up to 3

J623	Engine control unit
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
P	Spark plug connector
Q	Spark plugs
T4aa	4-pin connector
T4ab	4-pin connector
T4ac	4-pin connector
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
18	Earth point on engine block
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

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gn	=	green
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, injectors for cylinders 1 to 3, fuse

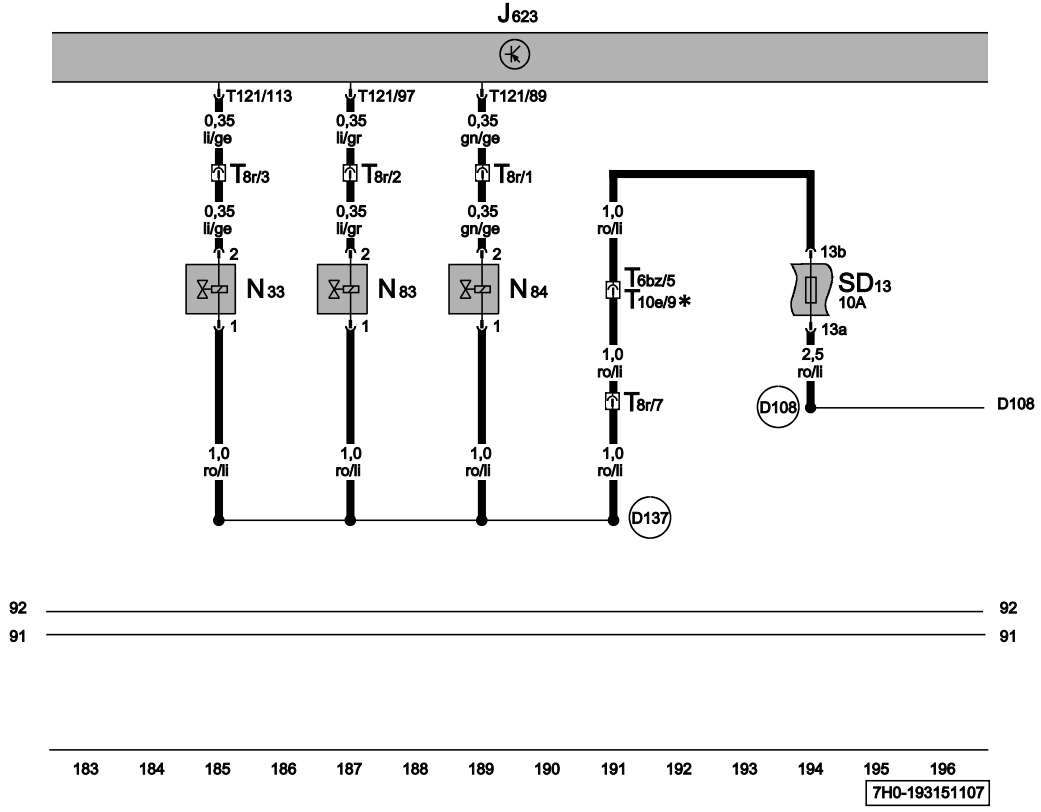
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
SD22	Fuse 22 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
*	applicable from June 2007



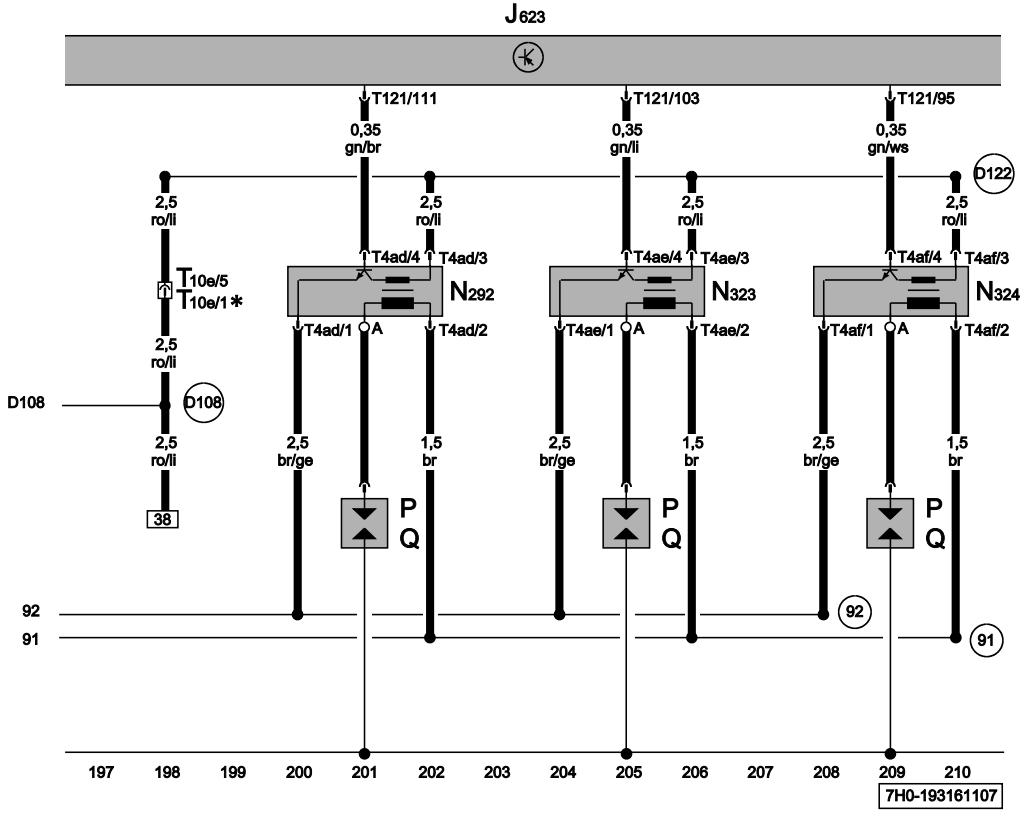
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, injectors for cylinders 4 to 6, fuse

J623	Engine control unit
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
SD13	Fuse 13 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
D108	Connection 6, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	applicable from June 2007



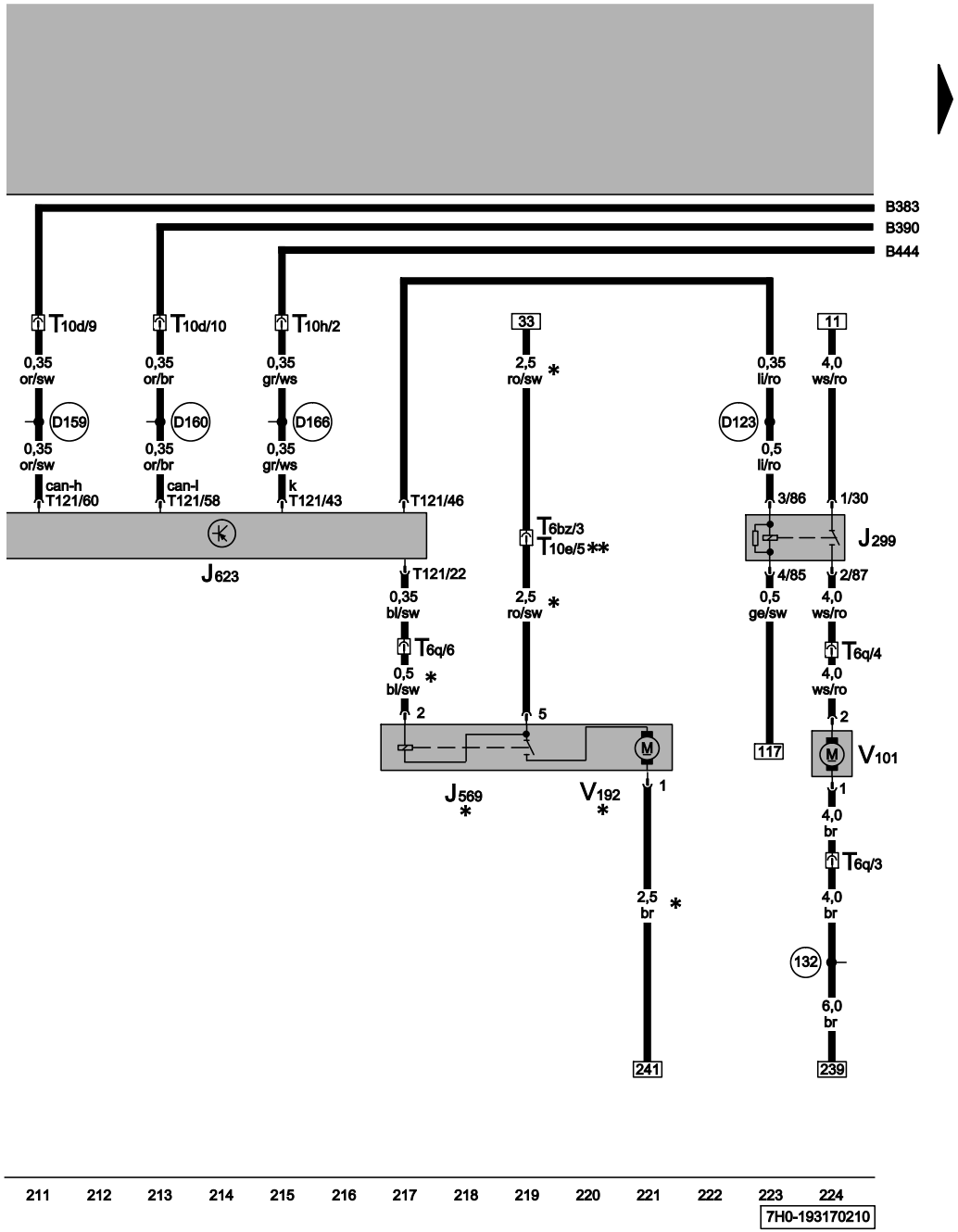
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or	=	orange
rs	=	pink



ws = white
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, ignition coils 4 up to 6

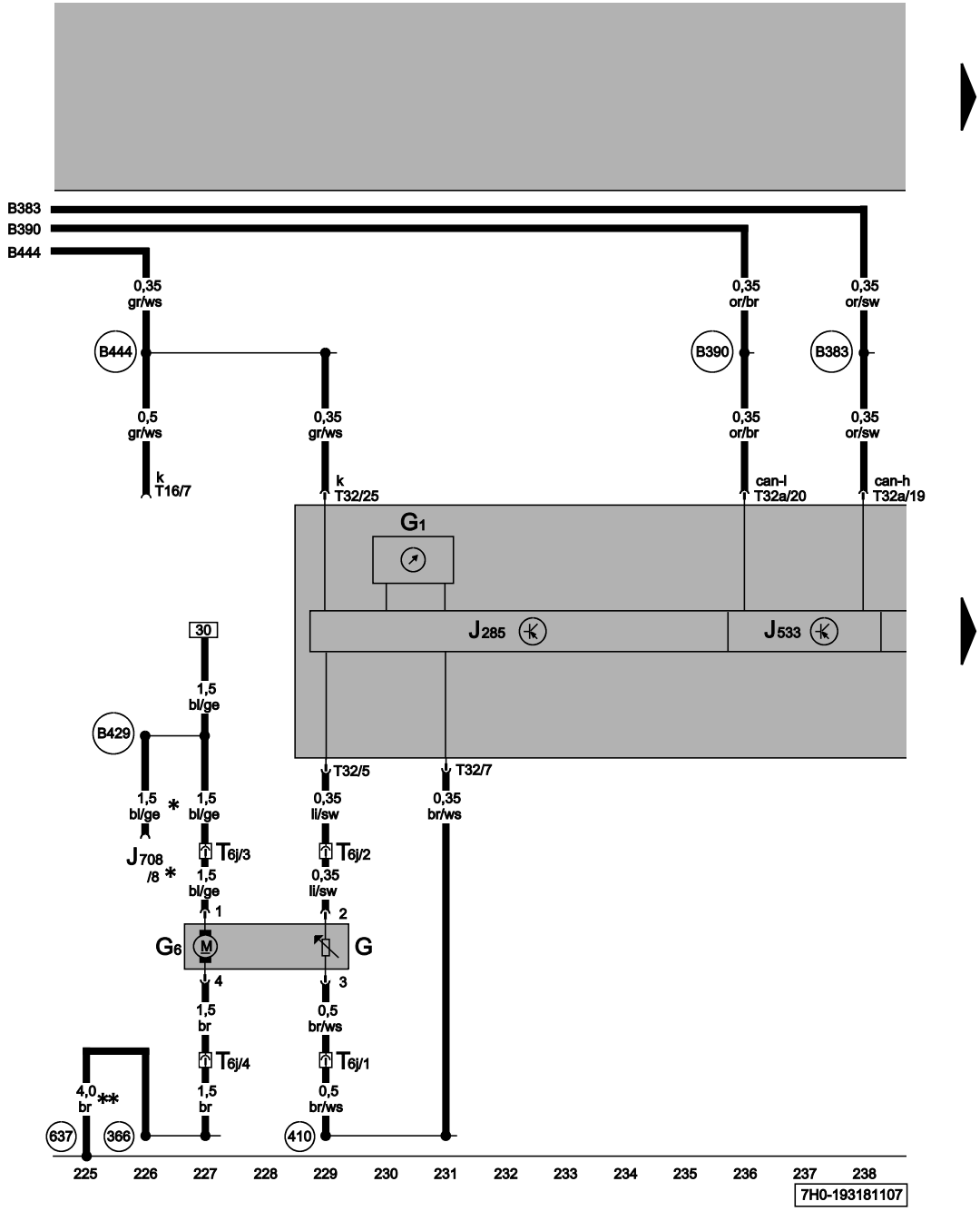
J623	Engine control unit
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T4ad	4-pin connector
T4ae	4-pin connector
T4af	4-pin connector
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
*	applicable from June 2007



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, secondary air pump motor, vacuum pump for brakes

J299	Secondary air pump relay
J569	Brake servo relay
J623	Engine control unit
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
V192	Vacuum pump for brakes
132	Earth connection 3, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with automatic gearbox only
**	applicable from June 2007



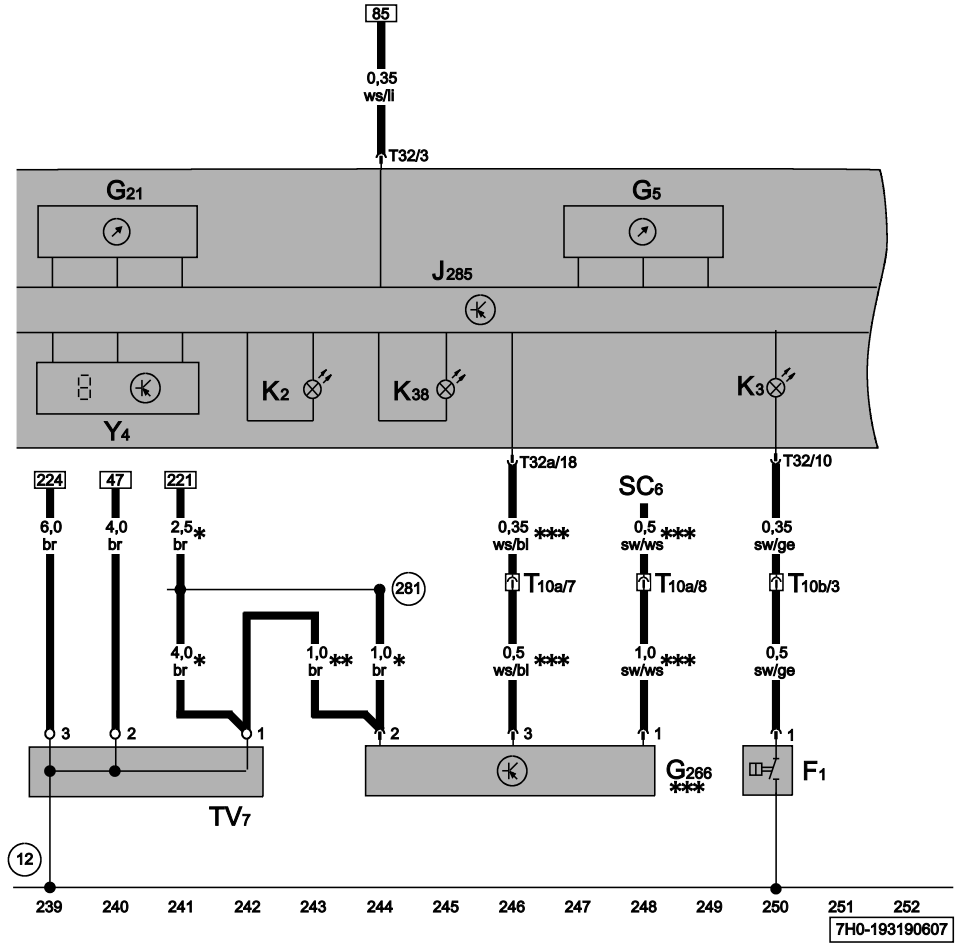
Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G5	Rev. counter
G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K2	Alternator warning lamp
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



ws	=	white
sw	=	black
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br	=	brown
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

2.0 l/85 kW Motronic, engine code AXA

from September 2005

Notes:

For information concerning

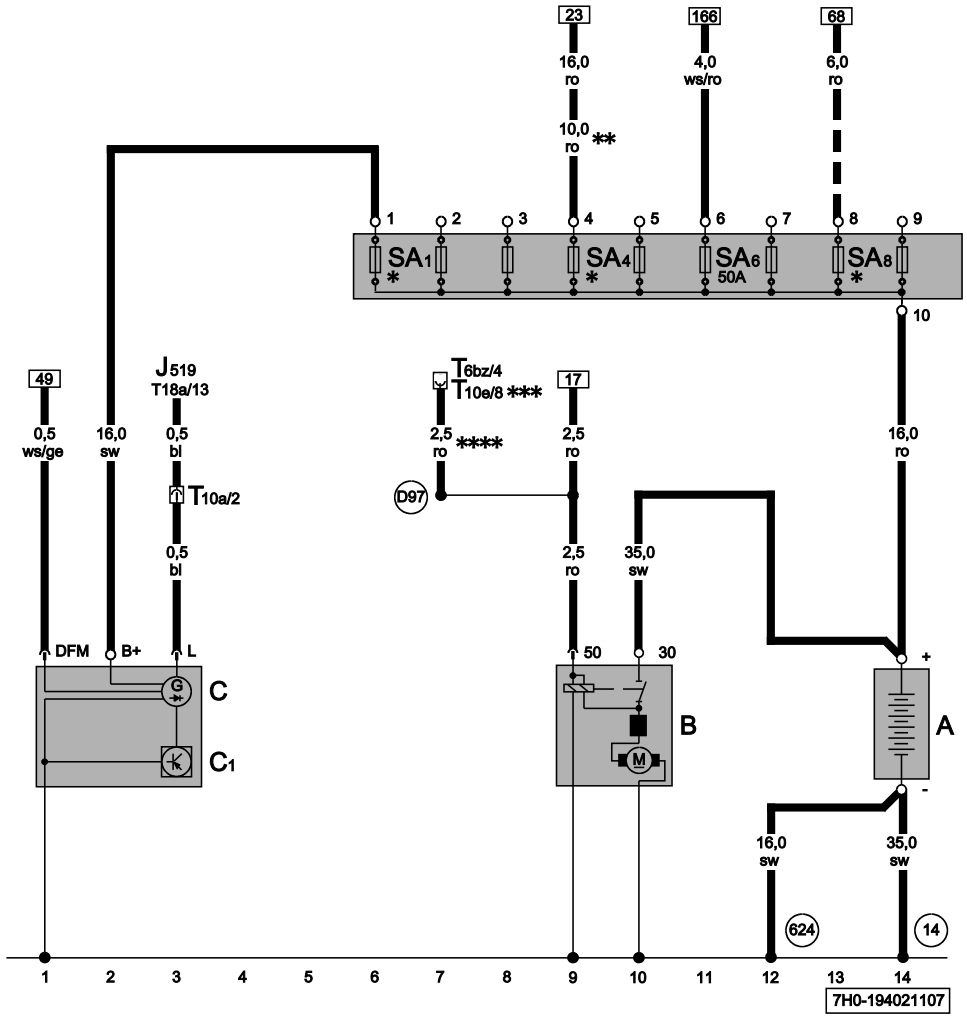
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

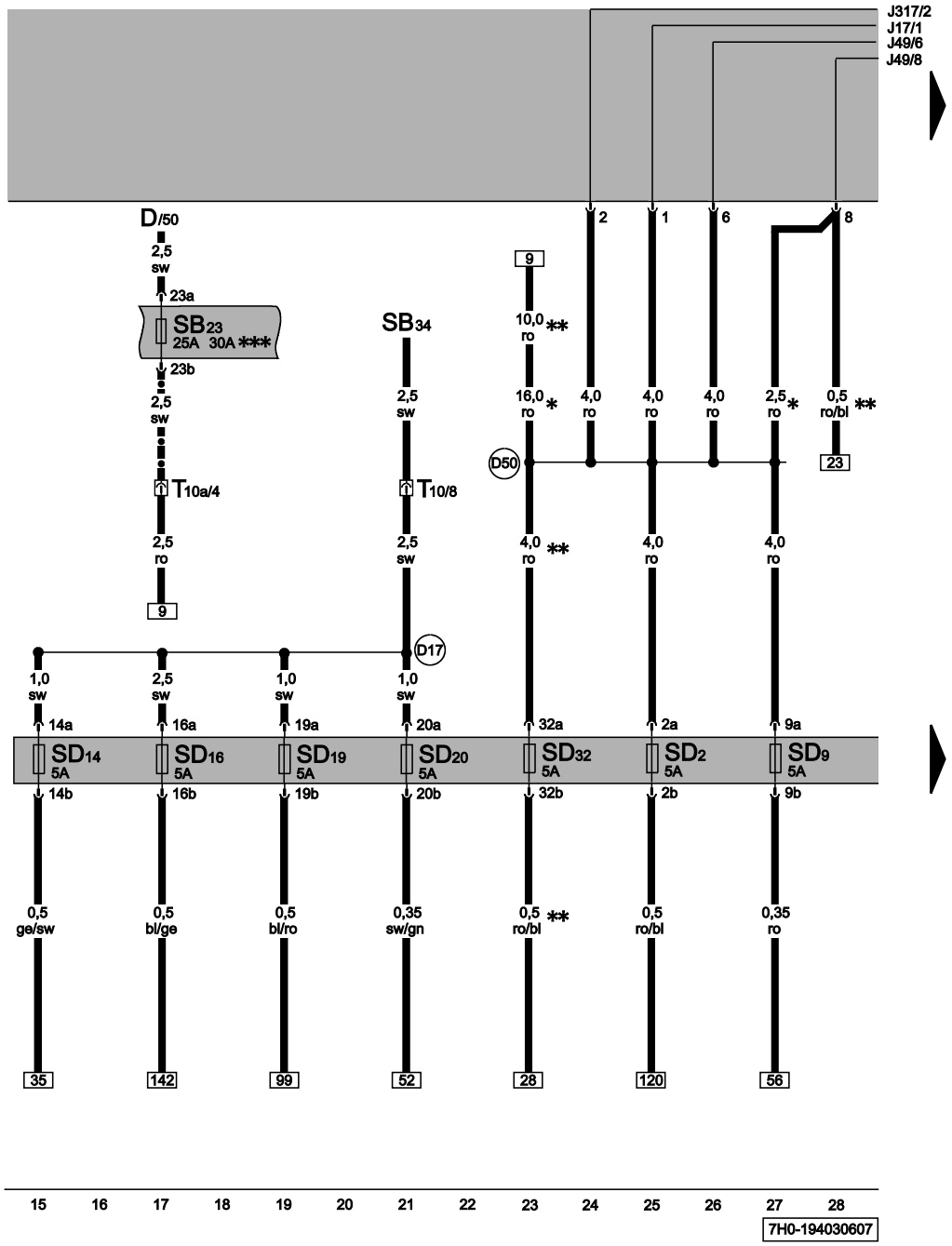


ws = white
sw = black
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Battery, alternator, starter, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	applicable from June 2006
***	applicable from June 2007
****	⇒ electric interface Current Flow Diagram

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for models without air conditioning system only

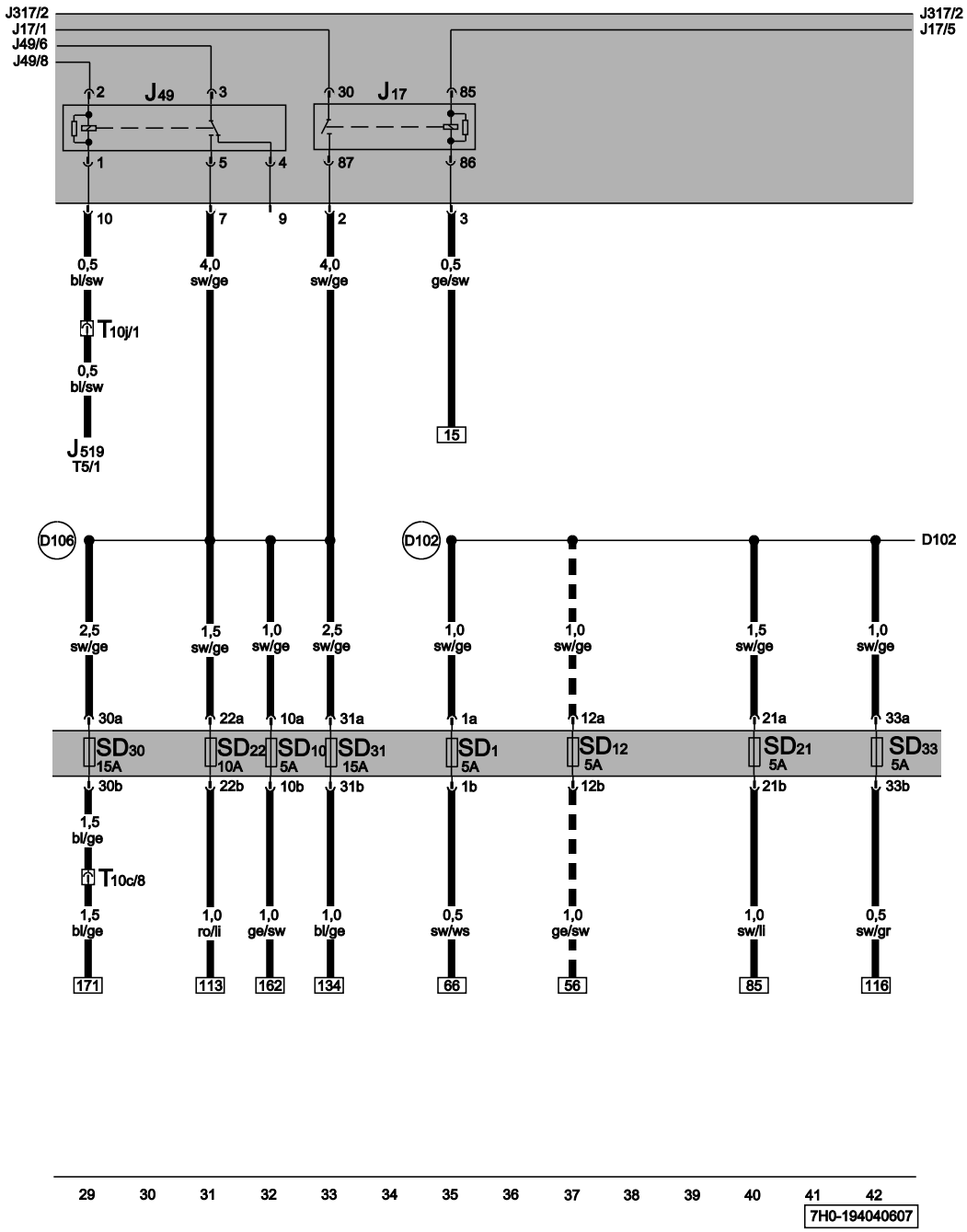


ws = white
sw = black
ro = red
br = brown
gn = green
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Fuses

D	Ignition/starter switch
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
SD20	Fuse 20 on fuse holder D
SD32	Fuse 32 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
*	applicable up to May 2006
**	applicable from June 2006
***	applicable from January 2006

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for models with manual gearbox and without electric interface only

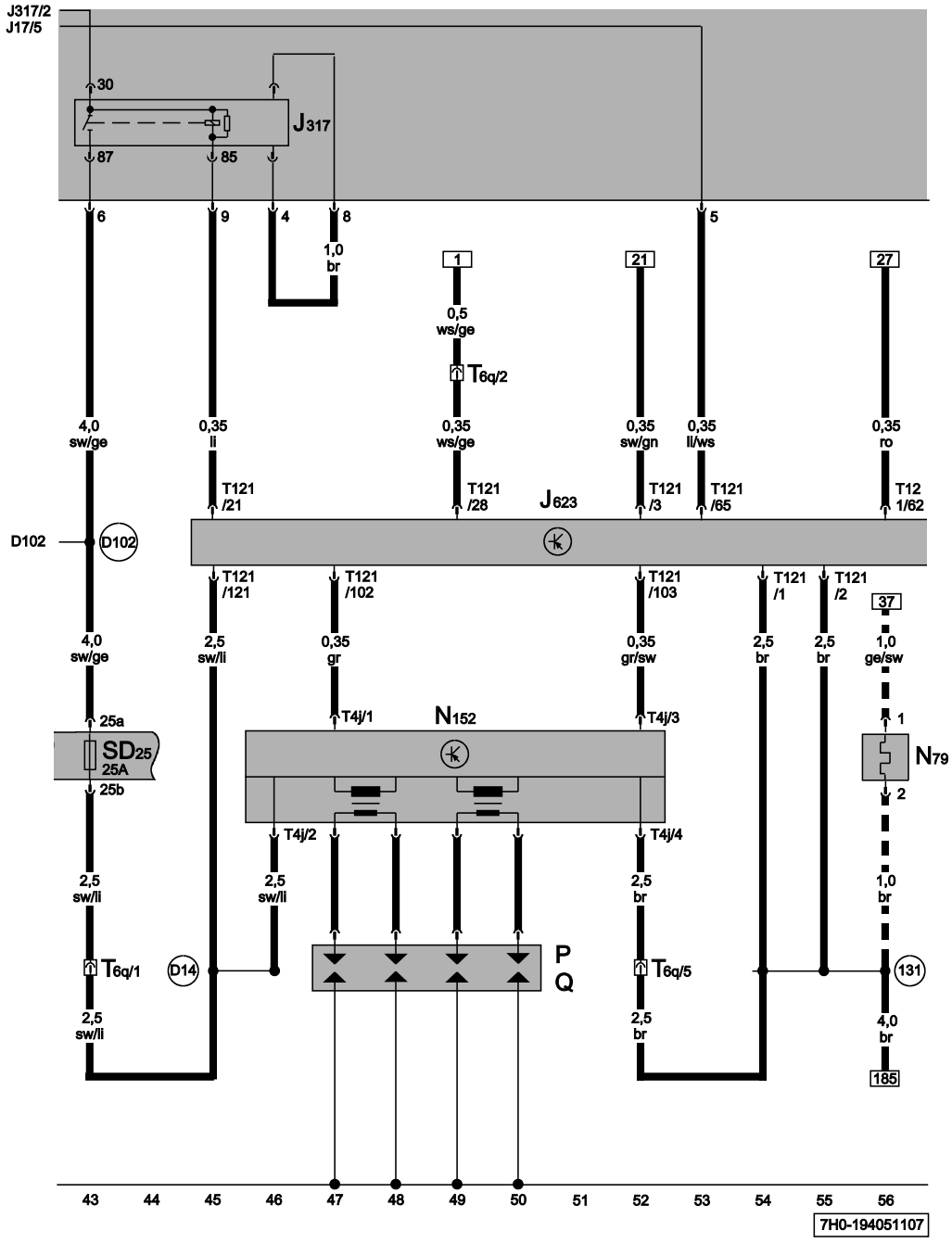


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, fuel pump relay

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
SD22	Fuse 22 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD31	Fuse 31 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D102	Connection 2, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness

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for models with heater element for crankcase breather only



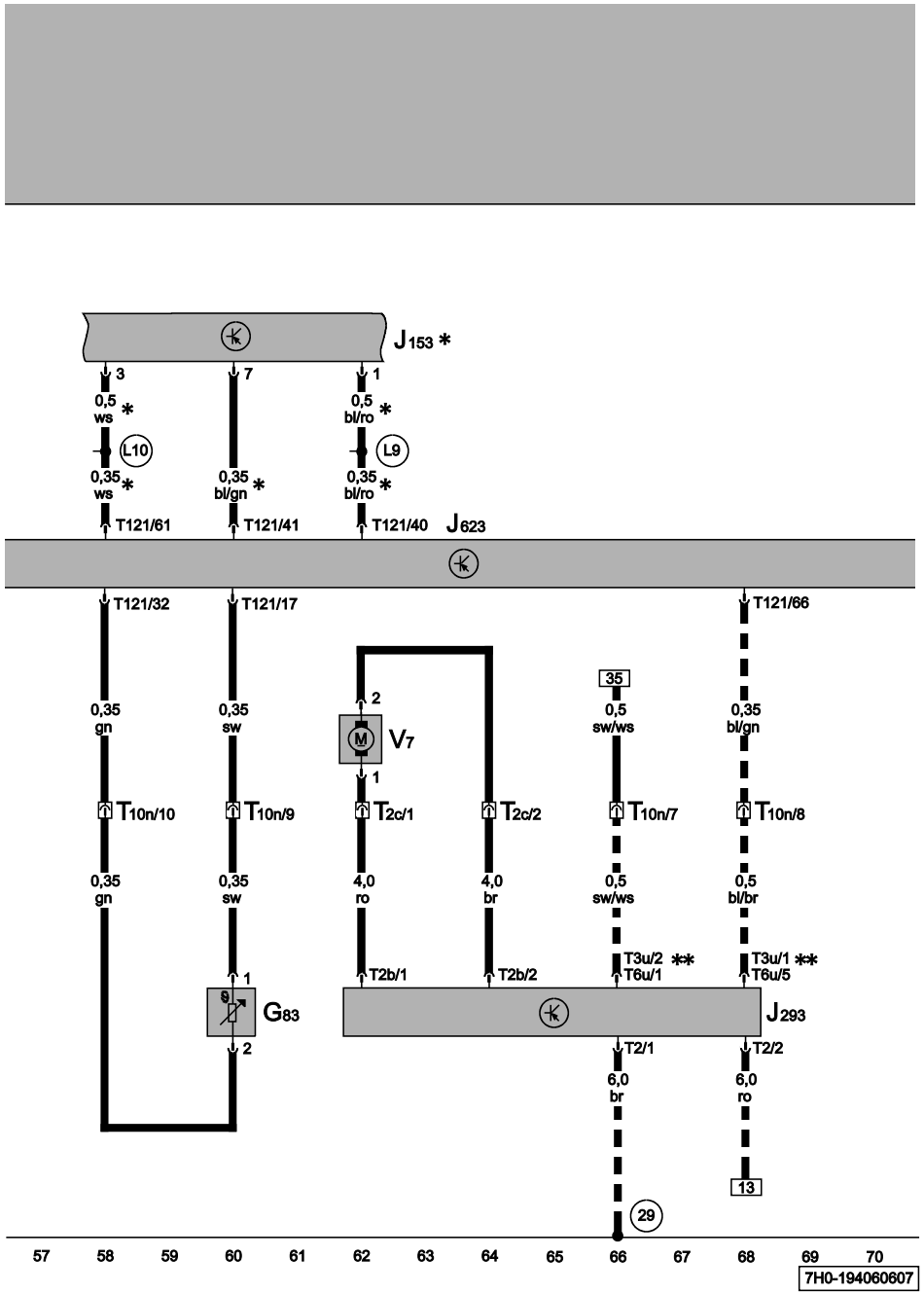
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ge = yellow
or = orange
rs = pink

Engine control unit, terminal 30 voltage supply relay, ignition transformer, spark plug connector, spark plugs, heater element for crankcase breather

J317	Terminal 30 voltage supply relay
J623	Engine control unit
N79	Heater element for crankcase breather
N152	Ignition transformer
P	Spark plug connector
Q	Spark plugs
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T121	121-pin connector
131	Earth connection 2, in engine compartment wiring harness
D14	Connection (ignition coil - control unit), in front right wiring harness
D102	Connection 2, in engine compartment wiring harness

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for models with heater element for crankcase breather only

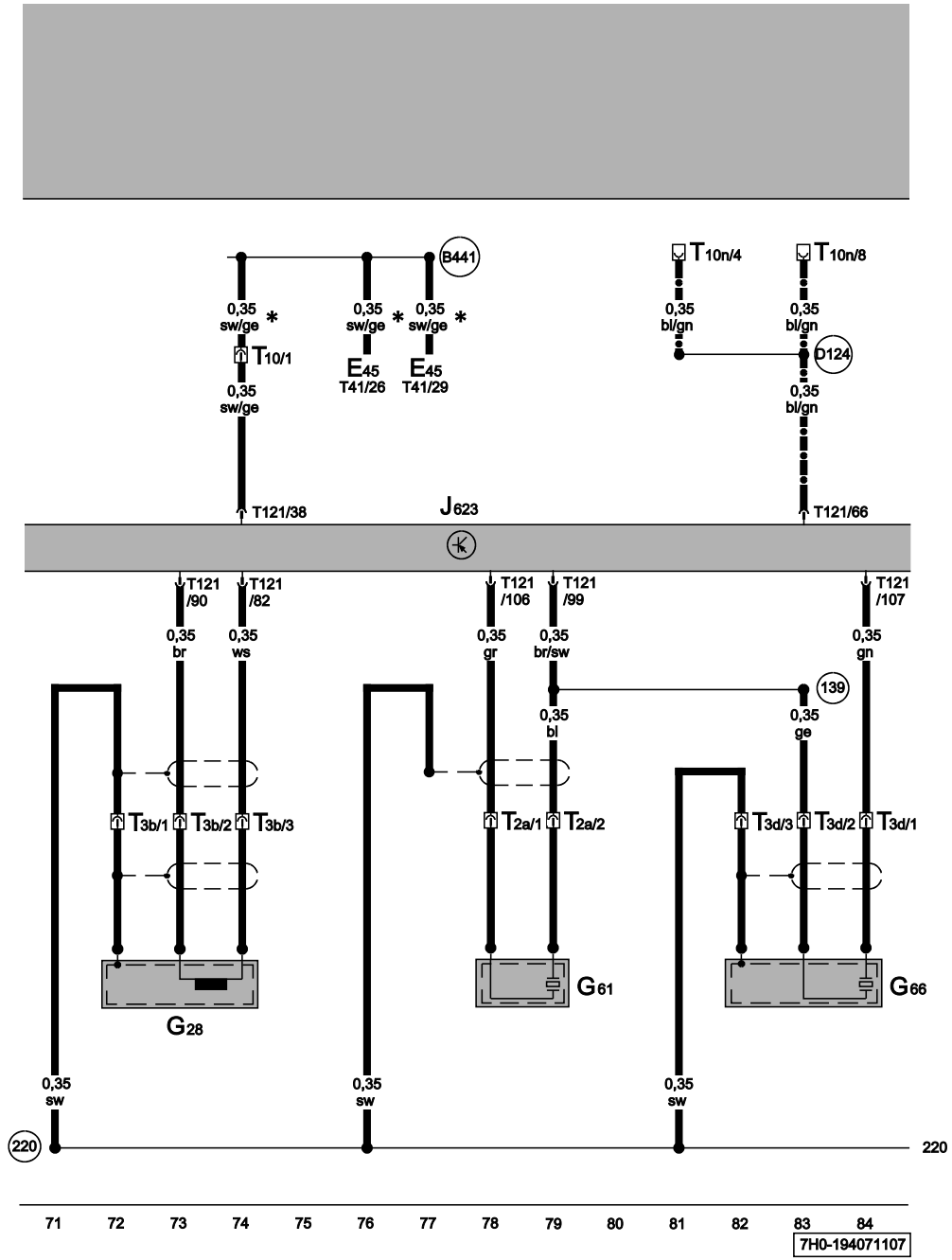


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator outlet coolant temperature sender, radiator fan control unit, radiator fan, magnetic clutch control unit

G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6u	6-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	applicable from January 2006

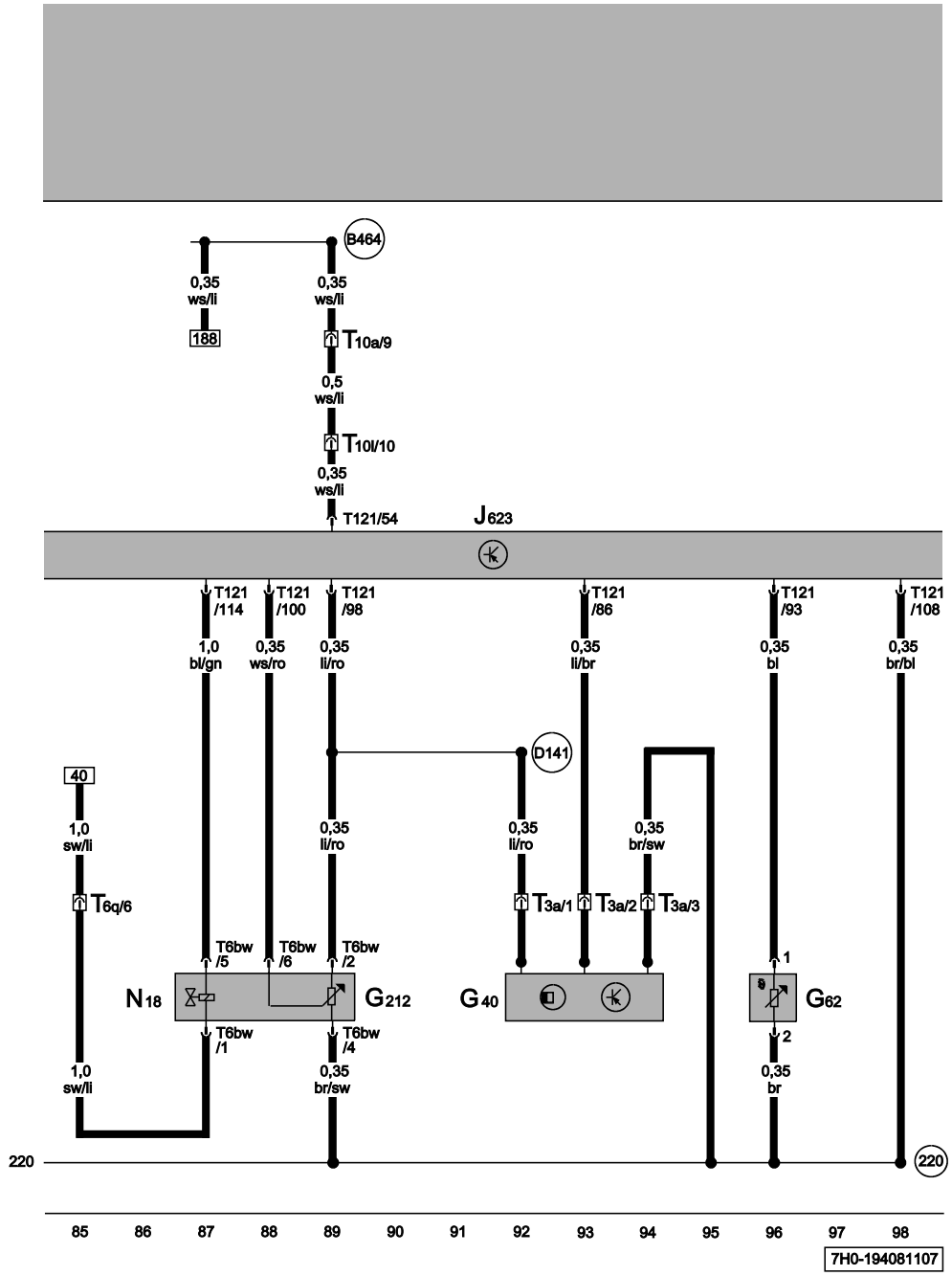
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for models without air conditioning system only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Engine control unit, engine speed sender, knock sensors 1, knock sensors 2, cruise control system switch

E45	Cruise control system switch
G28	Engine speed sender
G61	Knock sensor 1
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3d	3-pin connector, black, on front of engine
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
139	Earth connection (sender earth), in Motronic wiring harness
220	Earth connection (sender earth), in engine wiring harness
B441	Connection (CCS), in main wiring harness
D124	Connection 22, in engine compartment wiring harness
*	for models with cruise control system only
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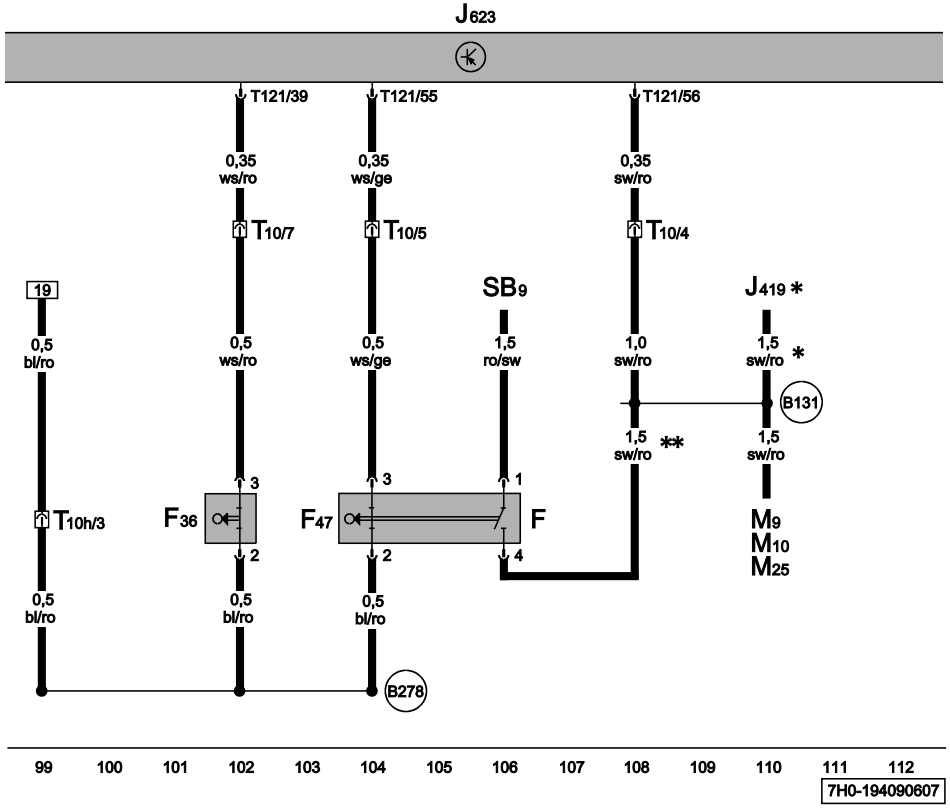
Engine control unit, Hall sender, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, coolant temperature sender

G40	Hall sender
G62	Coolant temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine control unit
N18	Exhaust gas recirculation valve
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
B464	Connection (speed signal), in main wiring harness
D141	Connection (5V), in engine wiring harness

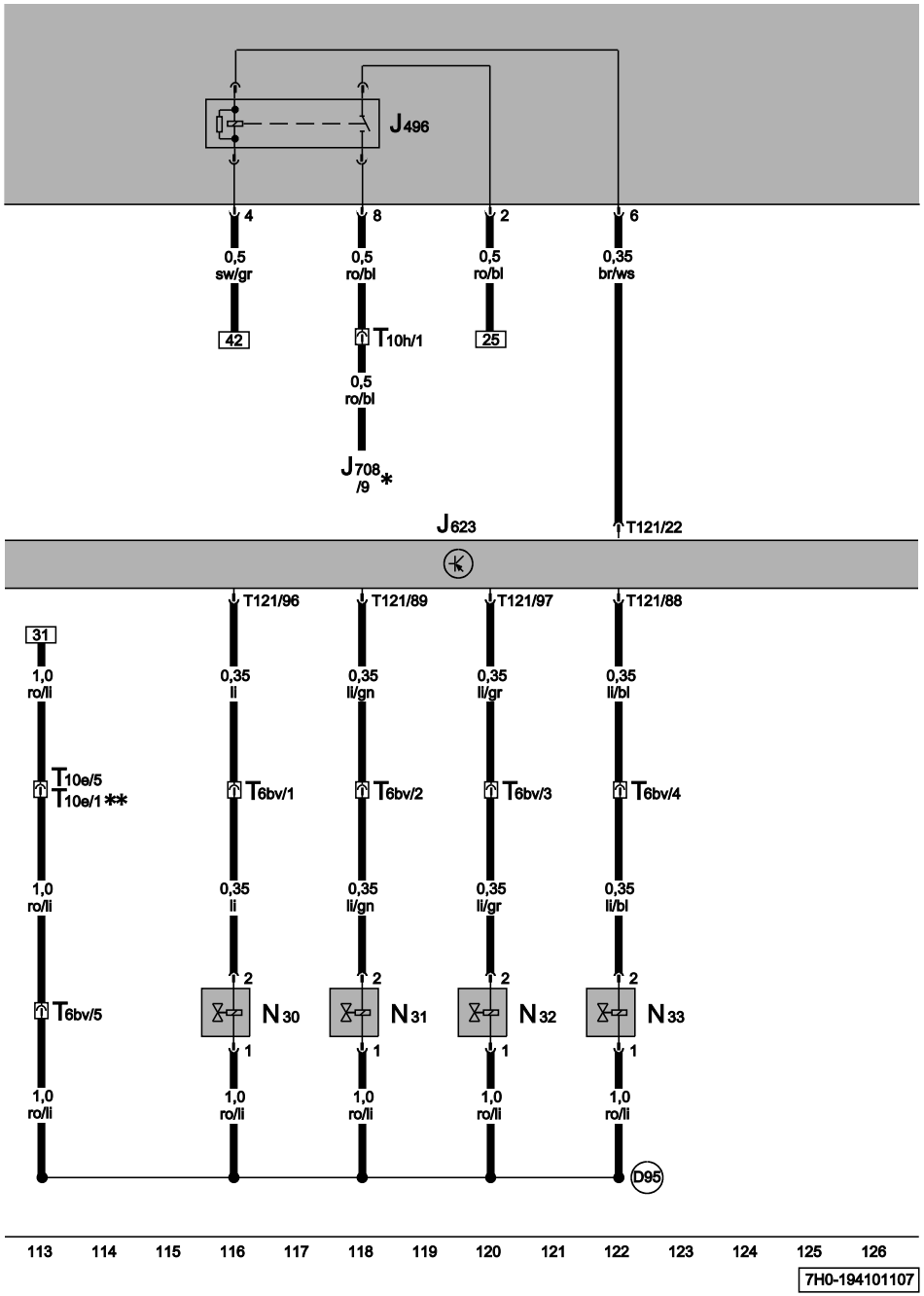
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, brake light switch, clutch pedal switch

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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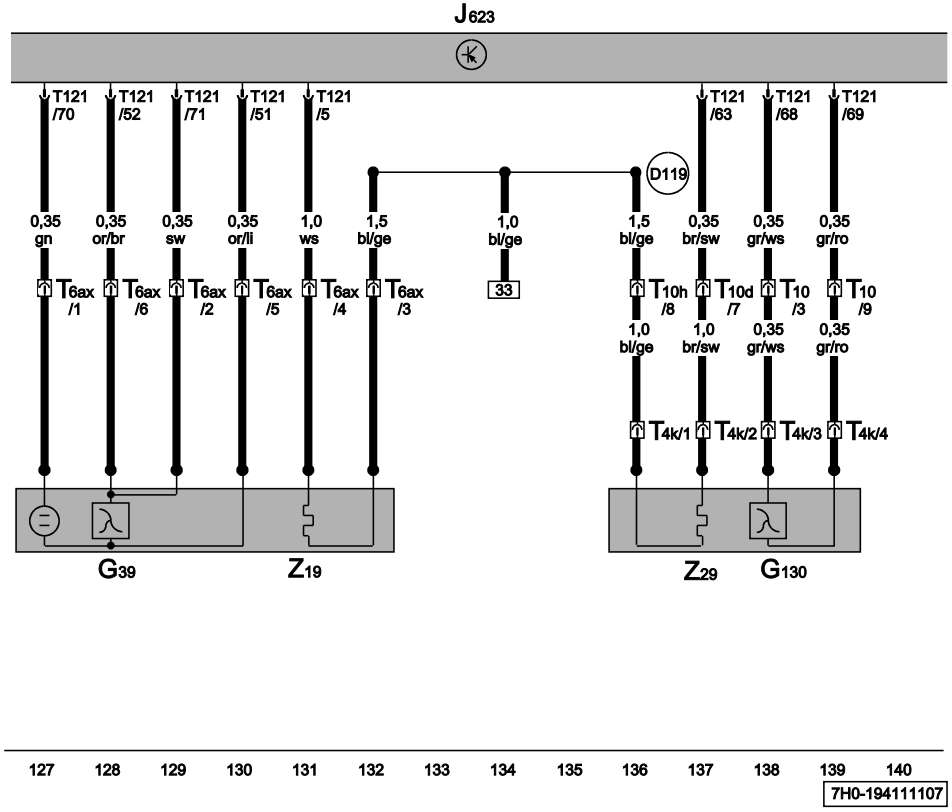
Engine control unit, injector, additional coolant pump relay

J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T6bv	6-pin connector, black, near cylinder head
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram
**	applicable from June 2007

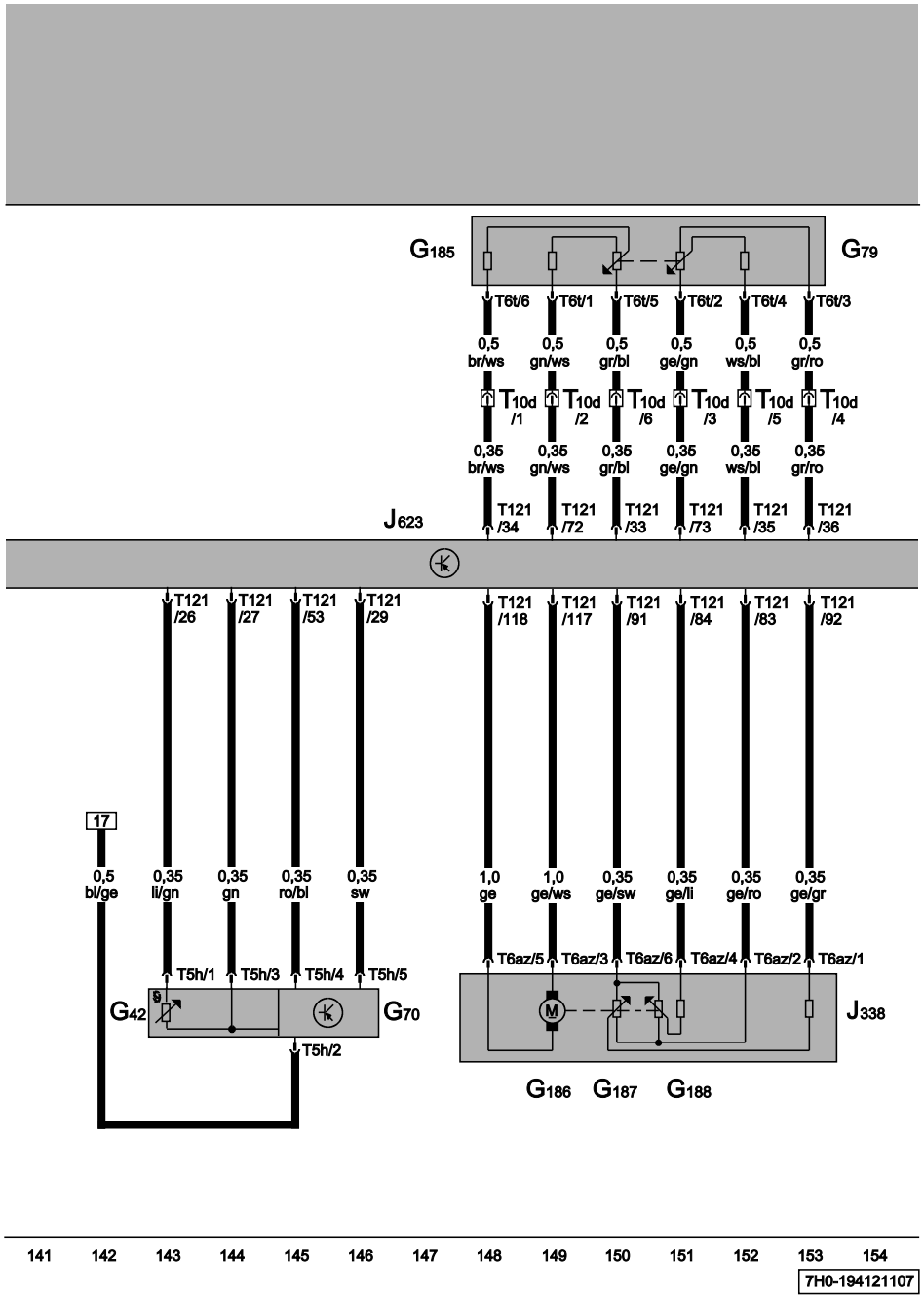
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, lambda probes

G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
T4k	4-pin connector, black
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D119	Connection 17, in engine compartment wiring harness



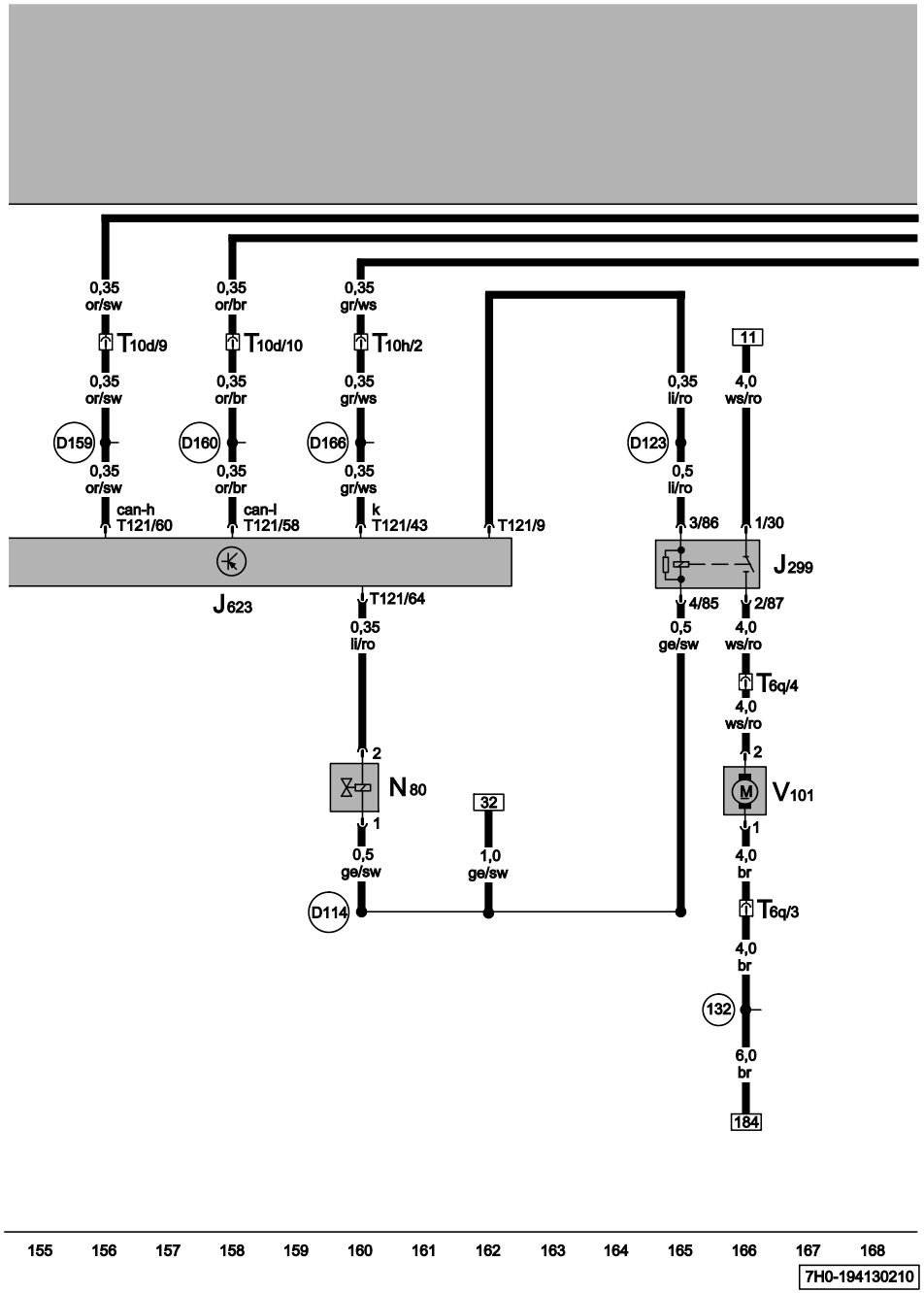
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or = orange
rs = pink



Engine control unit, accelerator position sender, throttle valve module, air mass meter, intake air temperature sender

G42	Intake air temperature sender
G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine control unit
T5h	5-pin connector, brown
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector

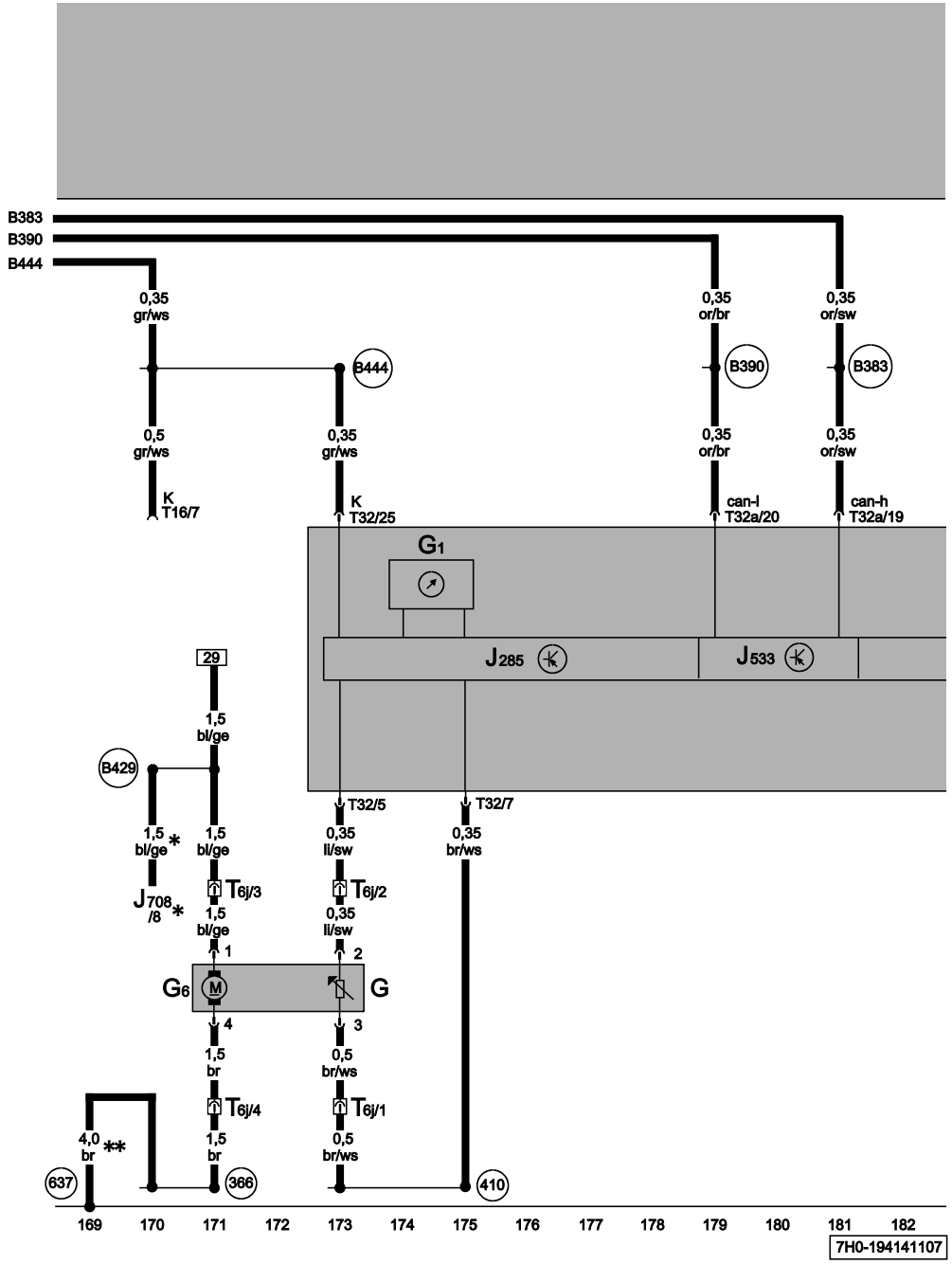
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or	=	orange
rs	=	pink



Engine control unit, secondary air pump relay, secondary air pump motor, active charcoal filter system solenoid valve 1

J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
132	Earth connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness

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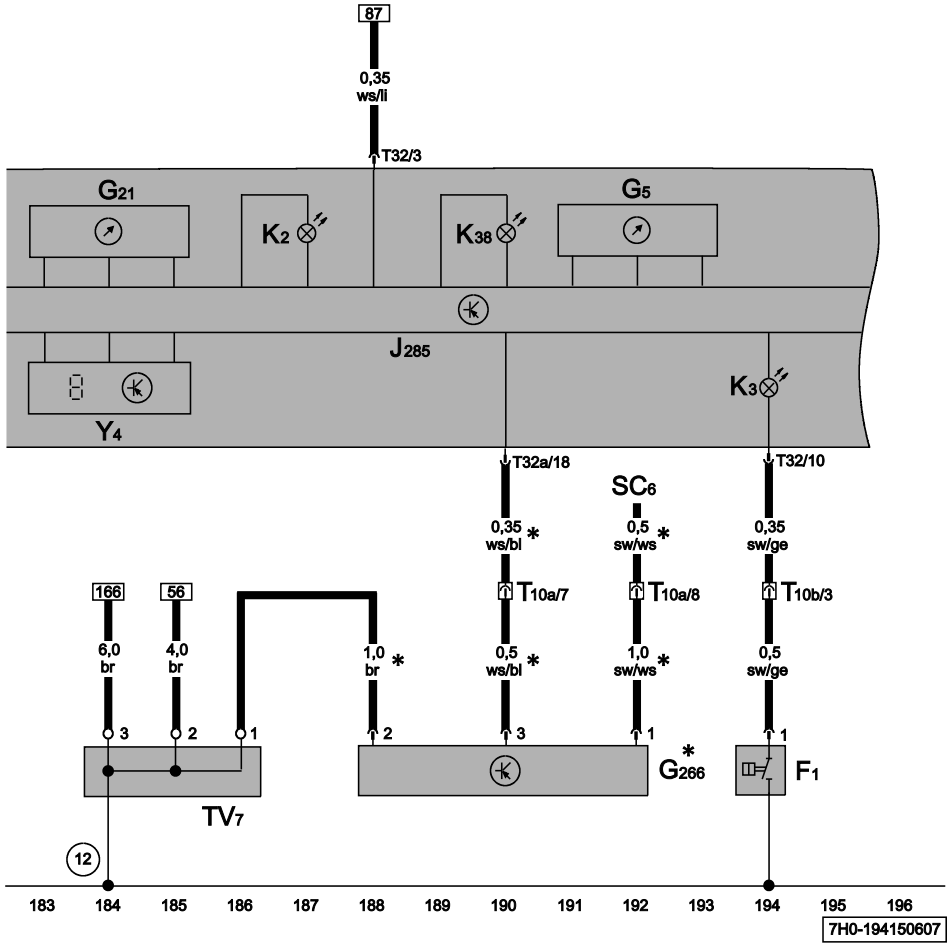
Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

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rs	=	pink

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G5	Rev. counter
G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K2	Alternator warning lamp
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
*	for models with extended servicing intervals only



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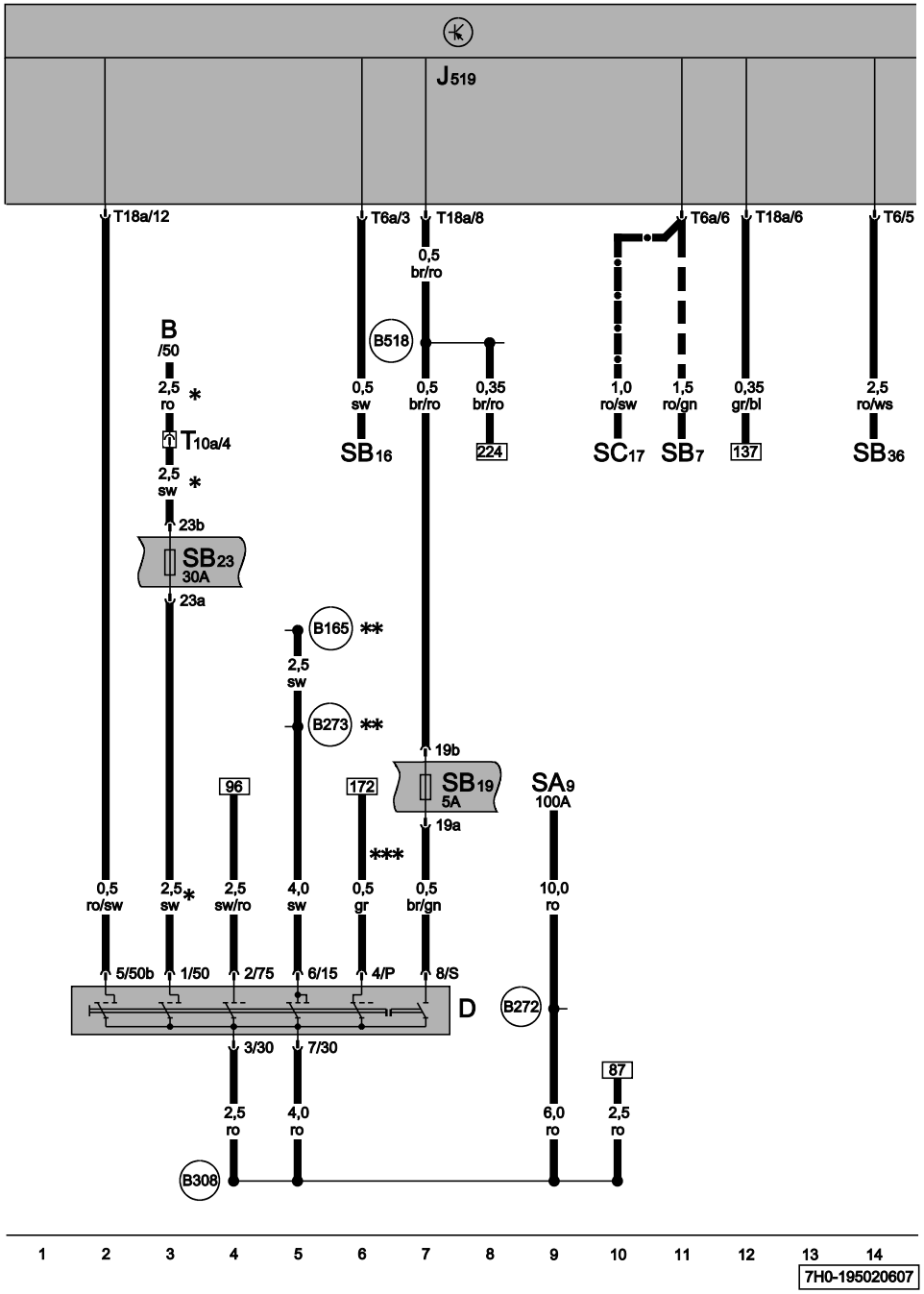
Basic equipment

⇒ **Cruise control system**
⇒ **Multifunction display**
⇒ **Extended servicing intervals**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



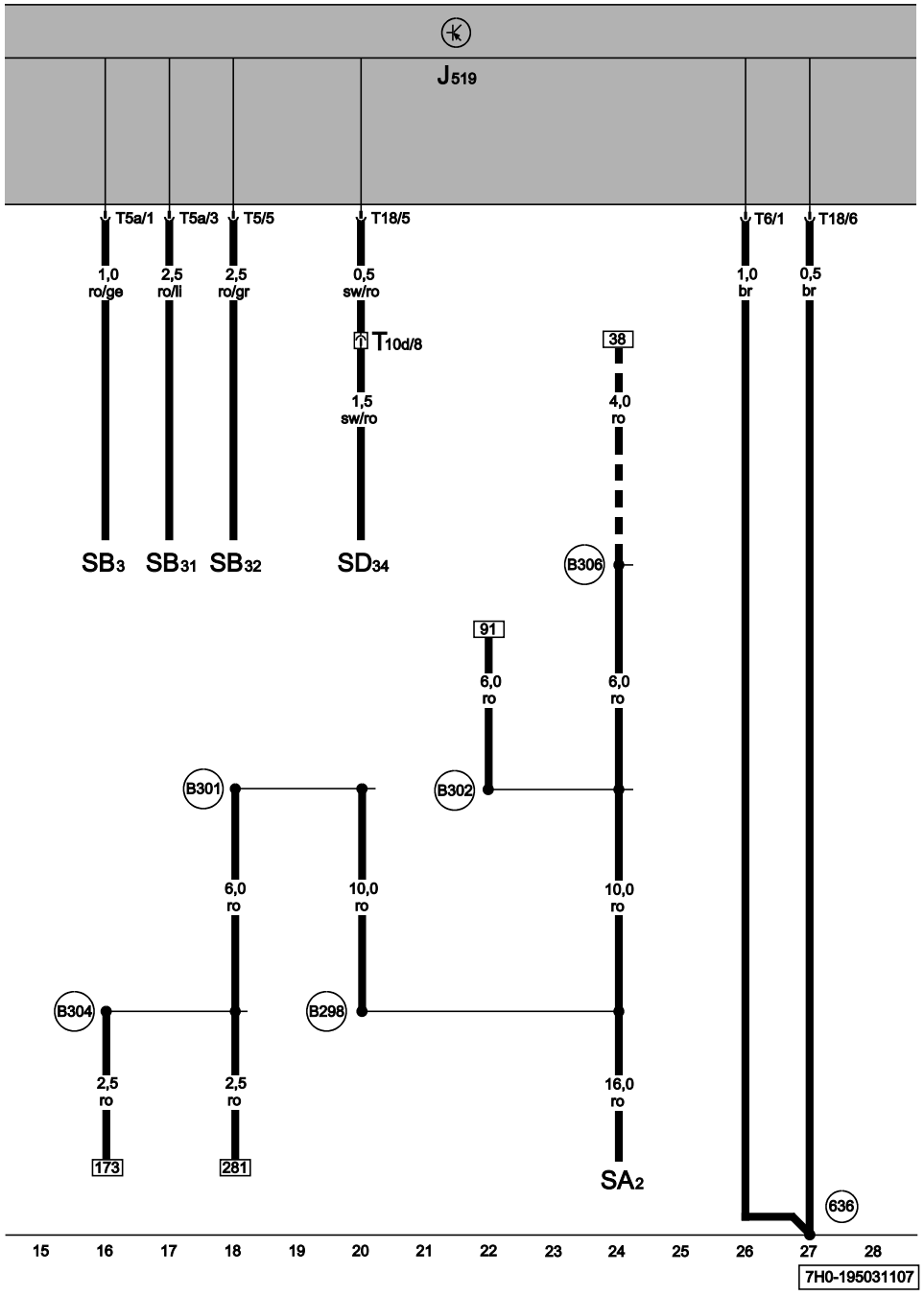
Onboard power supply control unit, ignition/starter switch, fuses

B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with manual gearbox and without electric interface only
**	⇒ Fuse concept 2 Current Flow Diagram
***	for models without day driving light only
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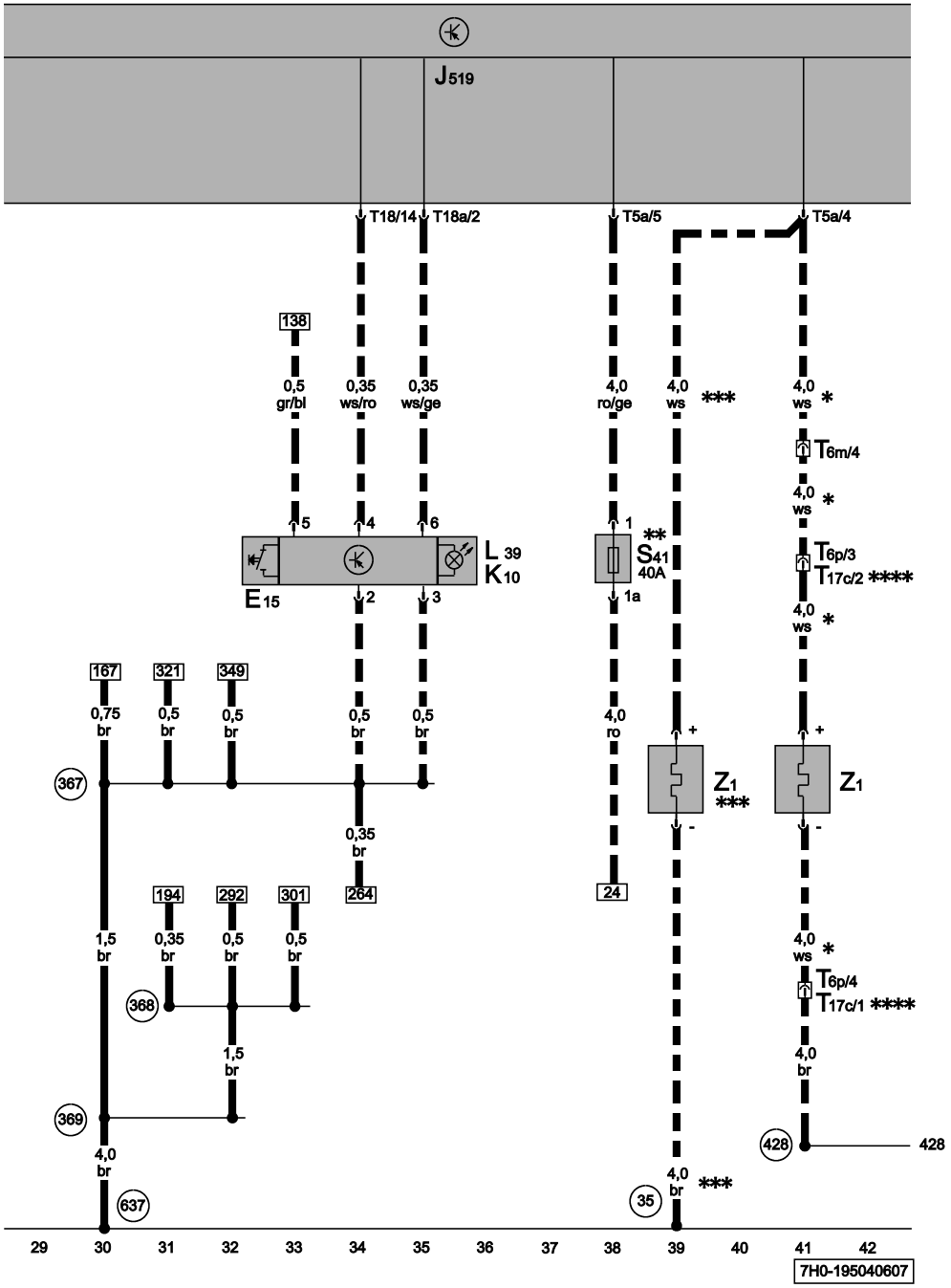
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Onboard power supply control unit, fuses

J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SD34	Fuse 34 on fuse holder D
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness

<fo:exter for models with heated rear window only

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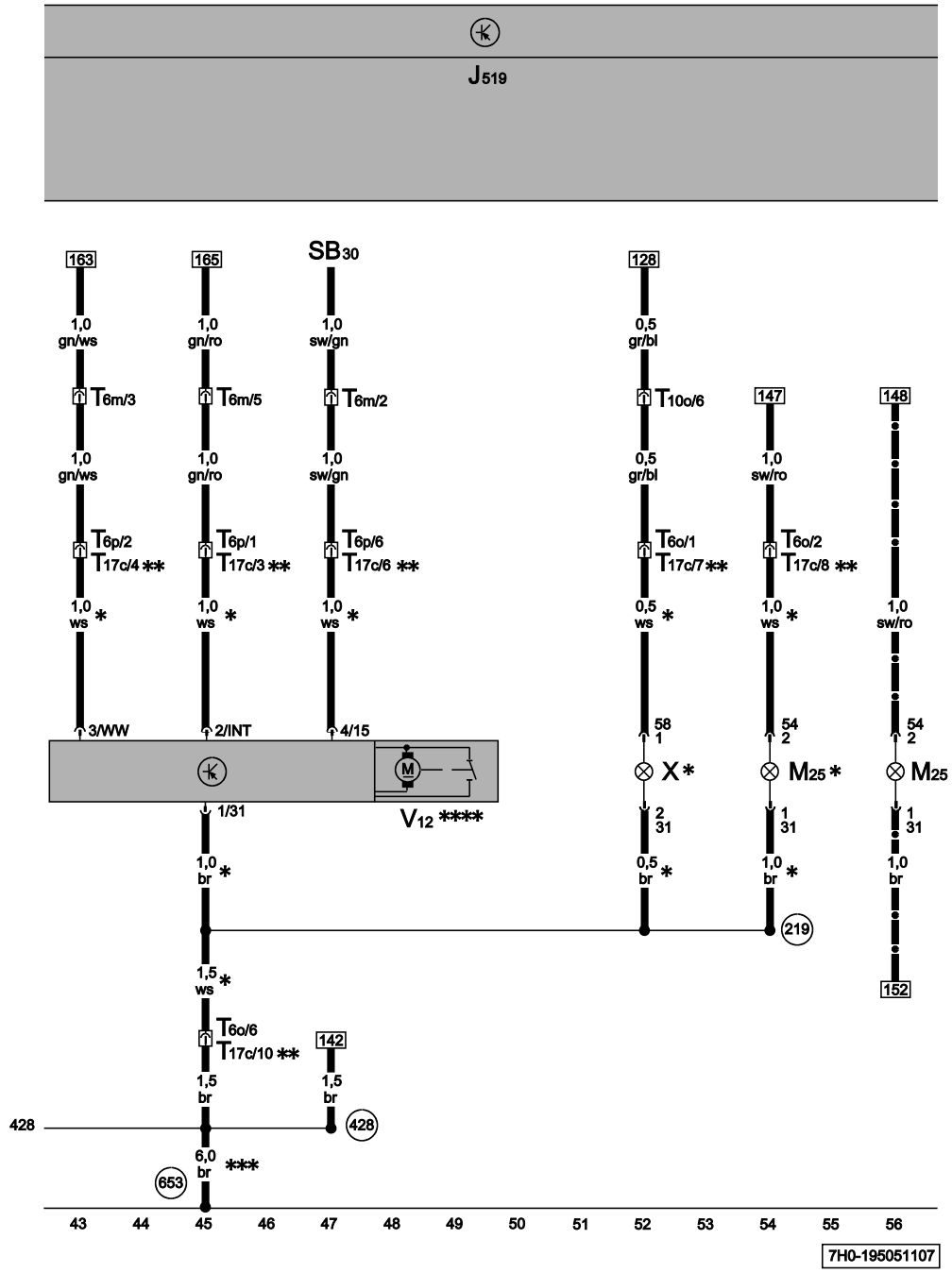


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Onboard supply control unit, heated rear window switch, heated rear window, heated rear window single fuse

E15	Heated rear window switch
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
S41	Heated rear window fuse
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18	18-pin connector, black
T18a	18-pin connector, brown
Z1	Heated rear window
35	Earth point, under front passenger seat
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
428	Earth connection 4, in left rear end wiring harness
637	Earth point, airbag control unit
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	on relay carrier (1) cockpit ⇒ Fitting Locations
***	for models with driver-/ double cab only
****	applicable from November 2006
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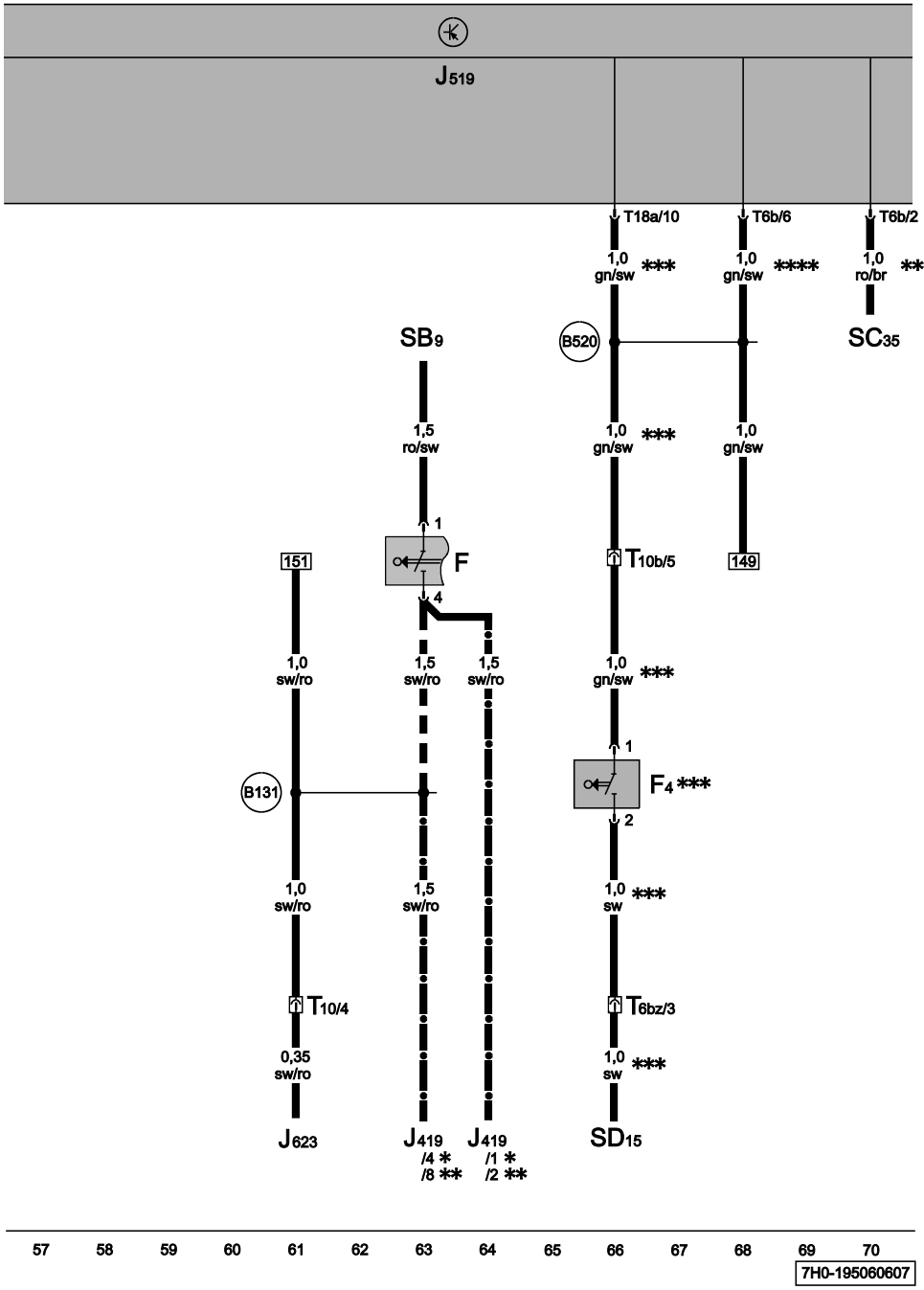
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rs	=	pink	



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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, rear window wiper motor, number plate light, high level brake light bulb

J519	Onboard supply control unit
M25	High level brake light bulb
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
V12	Rear window wiper motor
X	Number plate light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	applicable from November 2006
***	cross-section depends on equipment
****	for models with rear window wiper only
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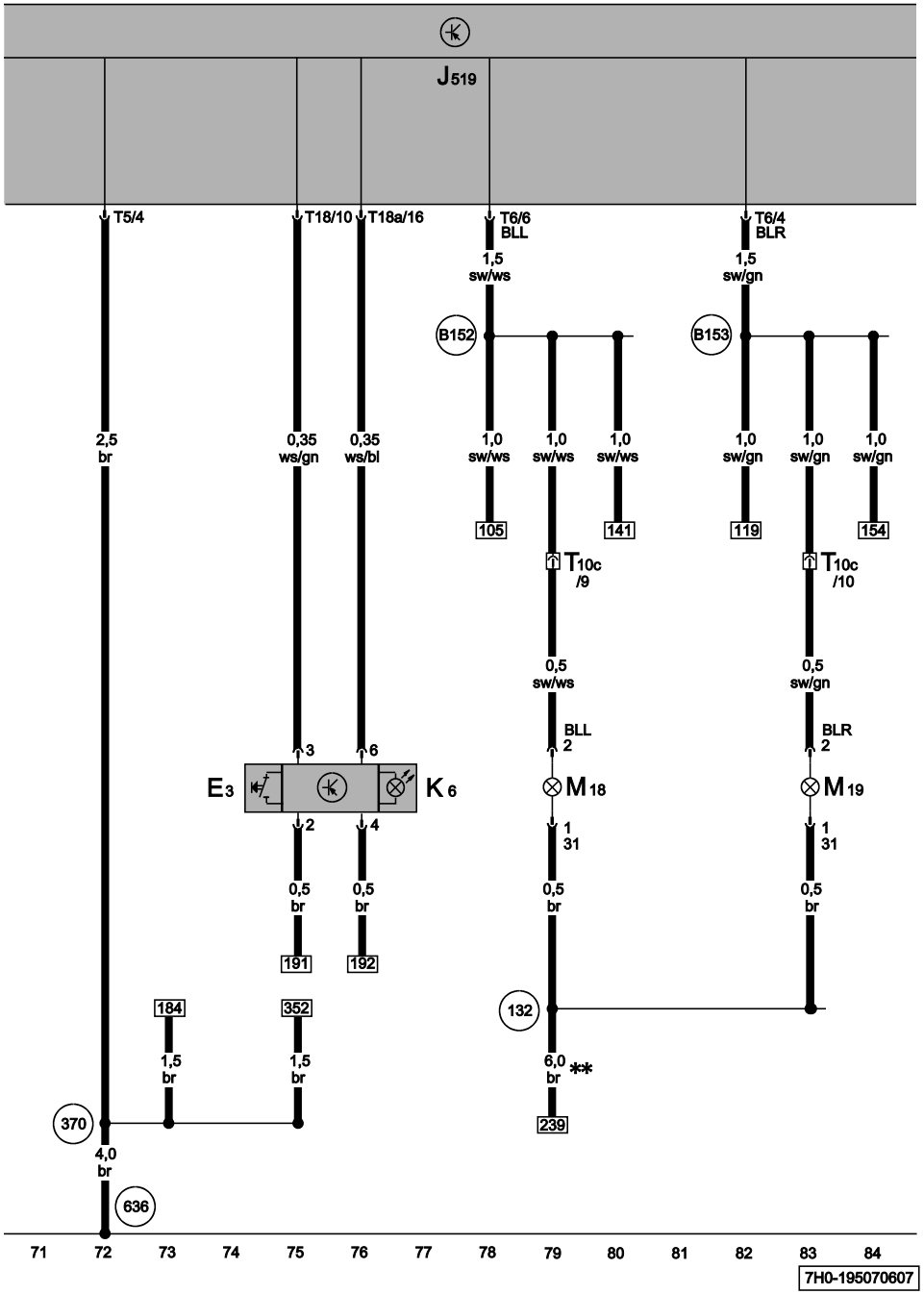
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Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	only models with ESP and without serial trailer towing coupling
**	only models with ESP and serial trailer towing coupling
***	for models with manual gearbox only
****	for models with automatic gearbox only
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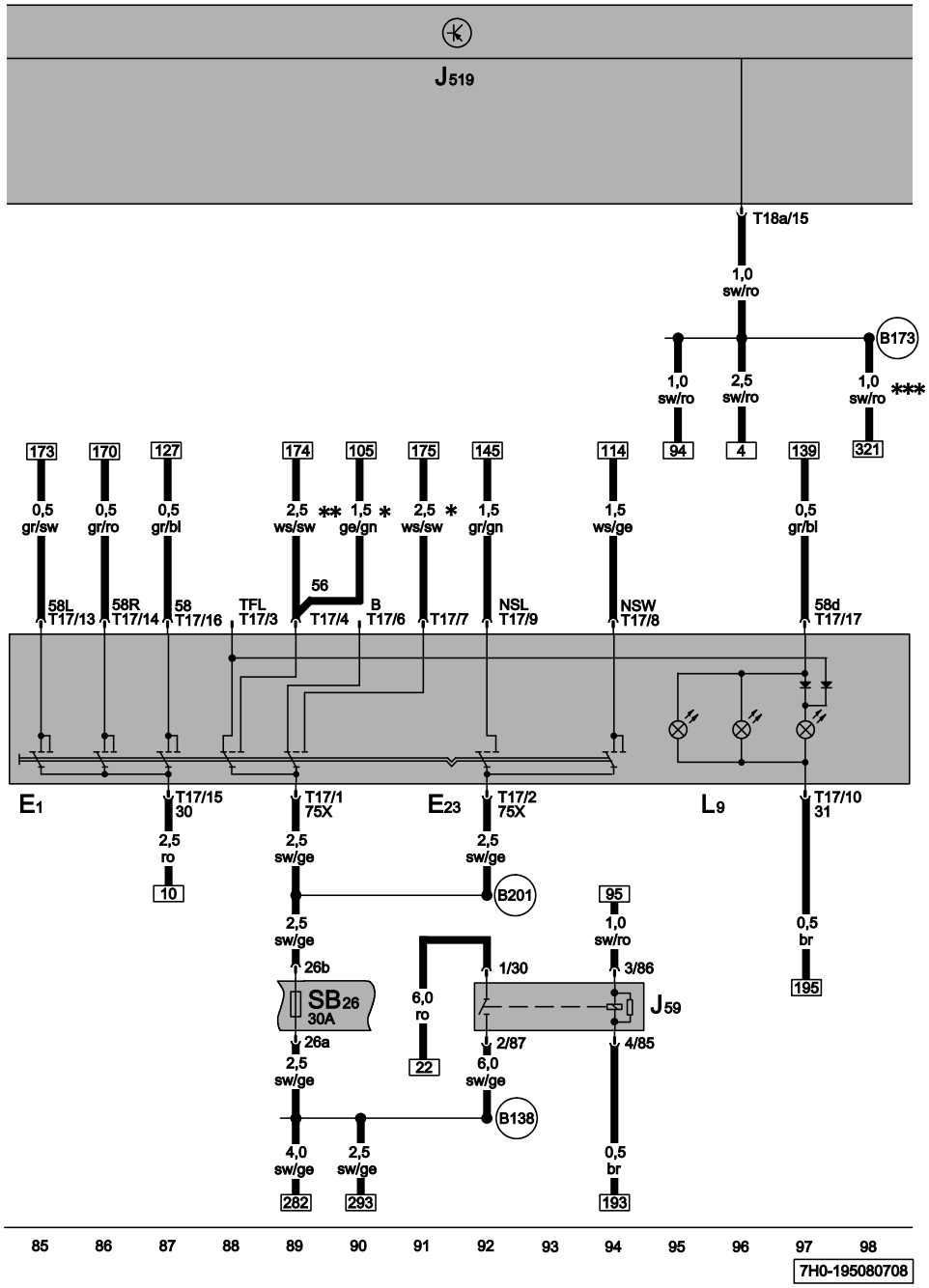
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Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

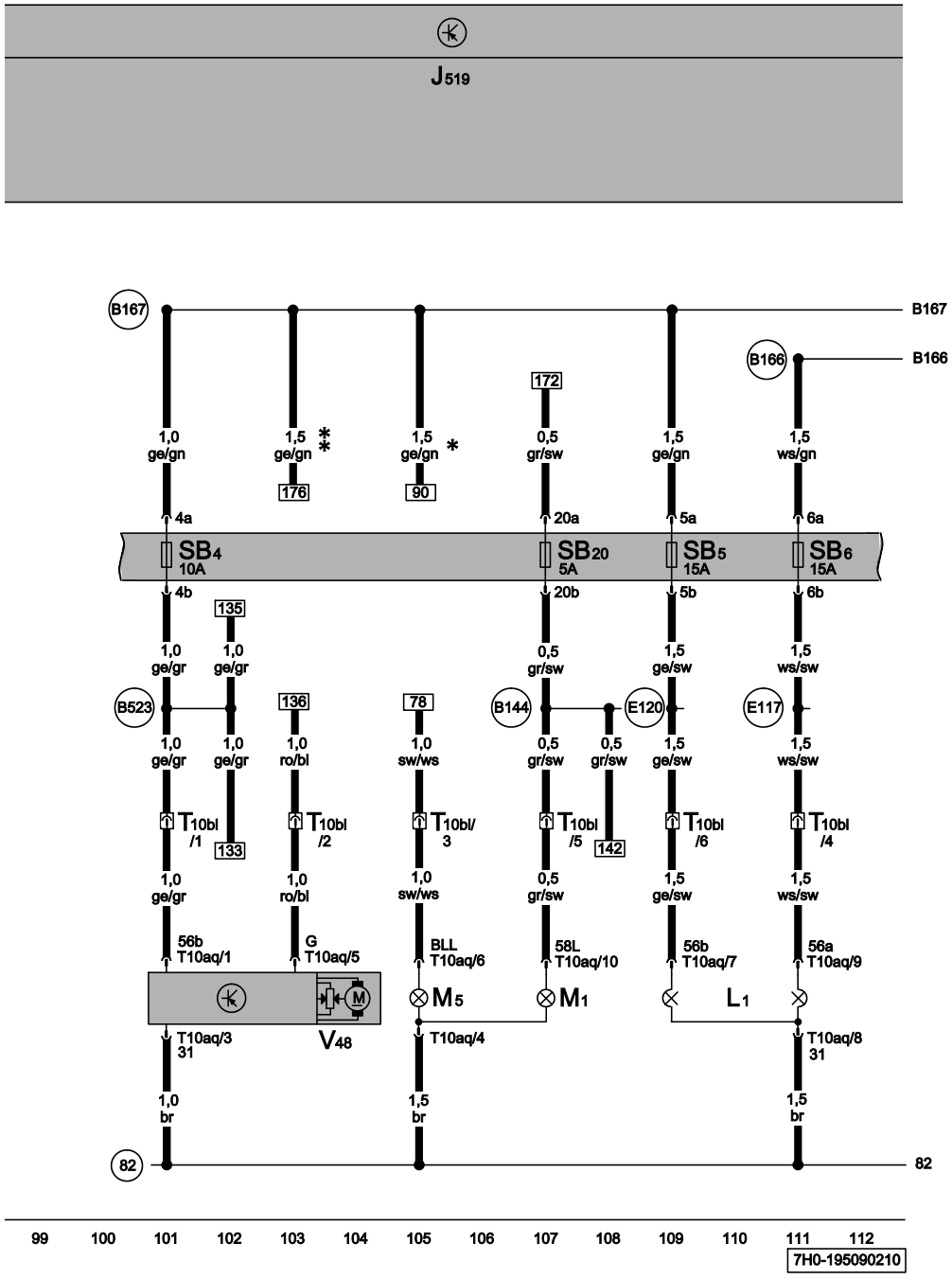
E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T5	5-pin connector, black
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
**	Cross-section 4.0 possible



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only

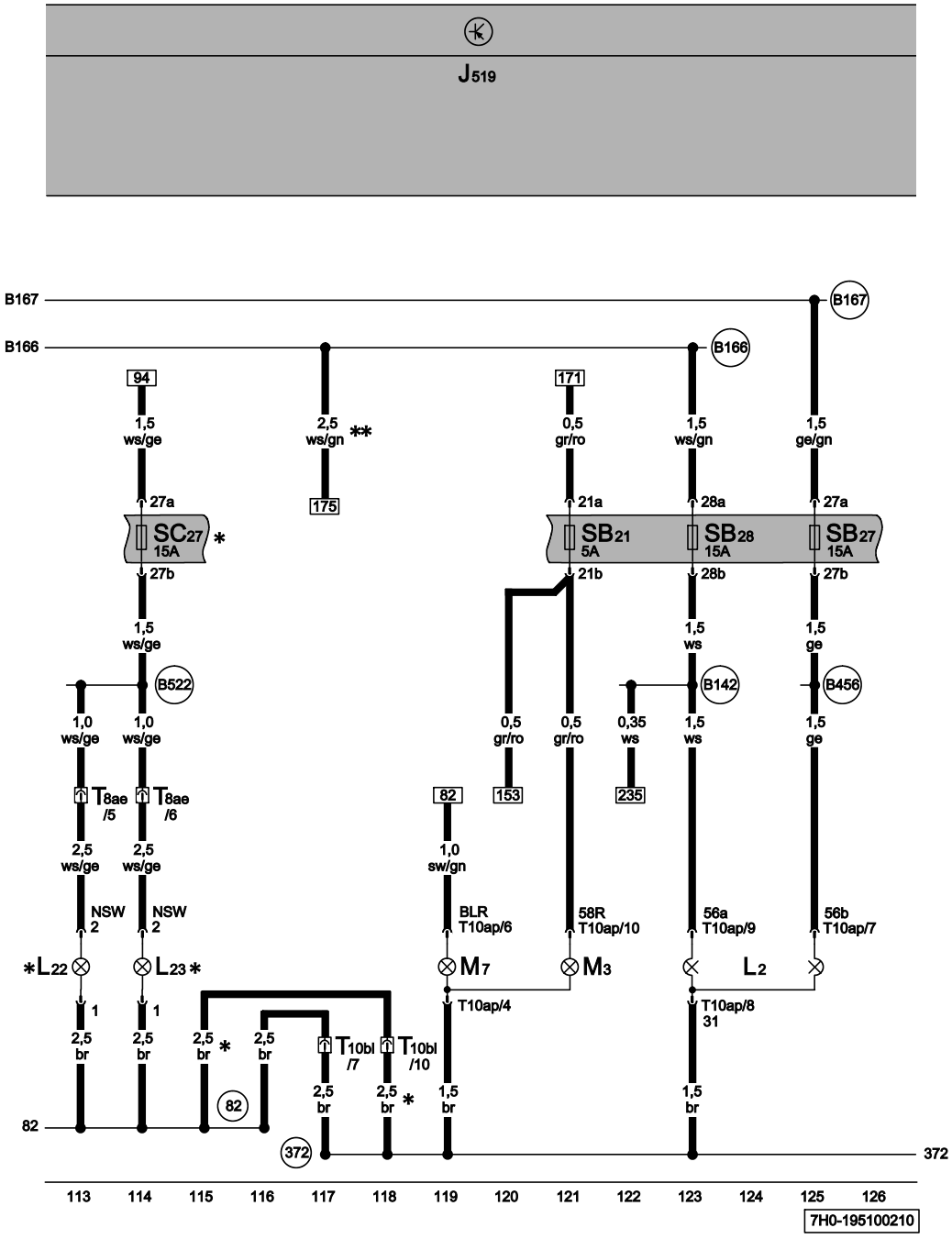
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sw = black
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bl = blue
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rs = pink

Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

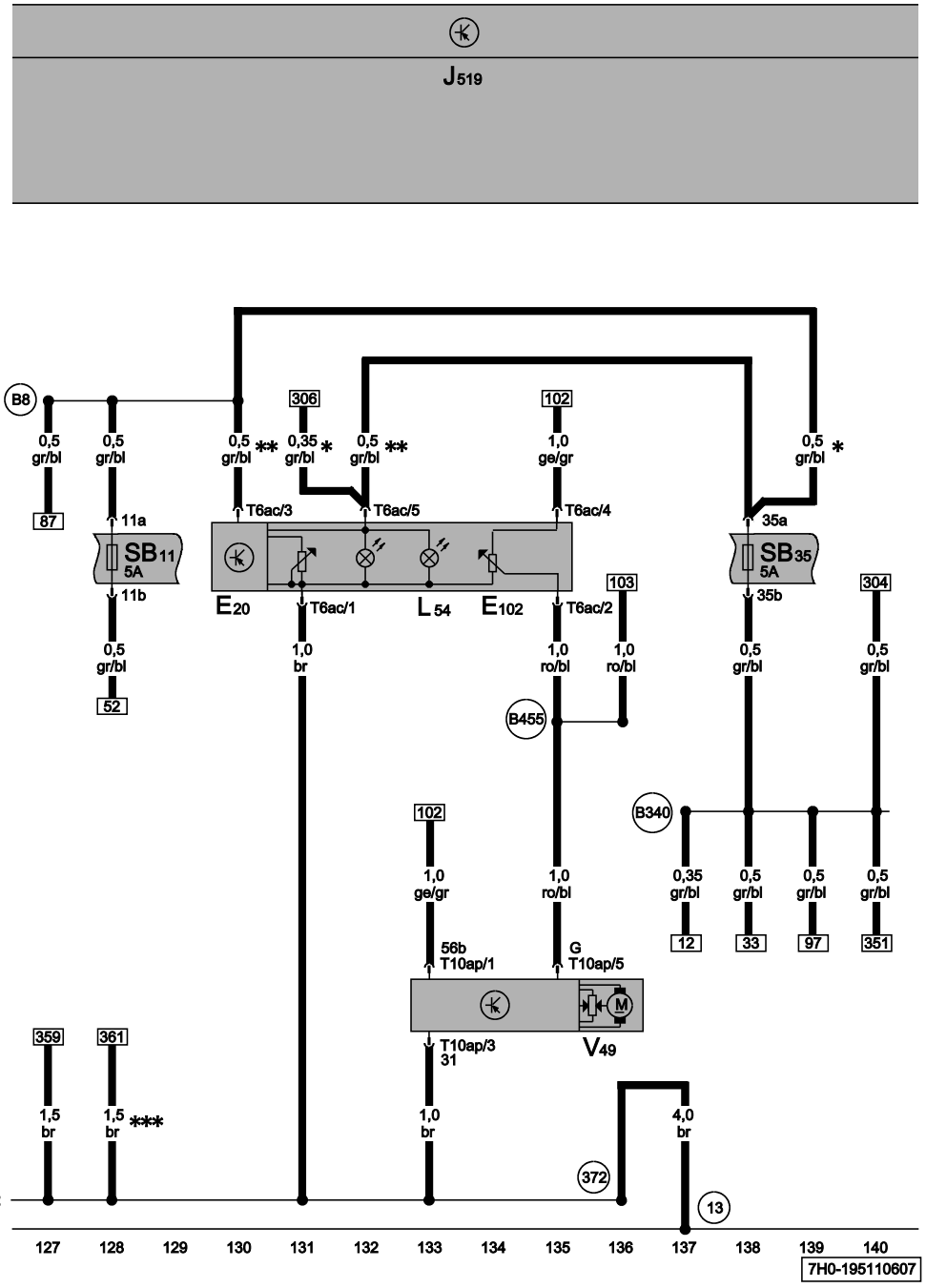
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for multivan, camper and caravelle only
**	applies only to commercial vehicles, multivan classic, camper and shuttle with base level of equipment



ws = white
sw = black
ro = red
br = brown
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or = orange
rs = pink

Fuses, right headlight twin filament bulb, fog light bulb, right side light bulb, front right turn signal bulb

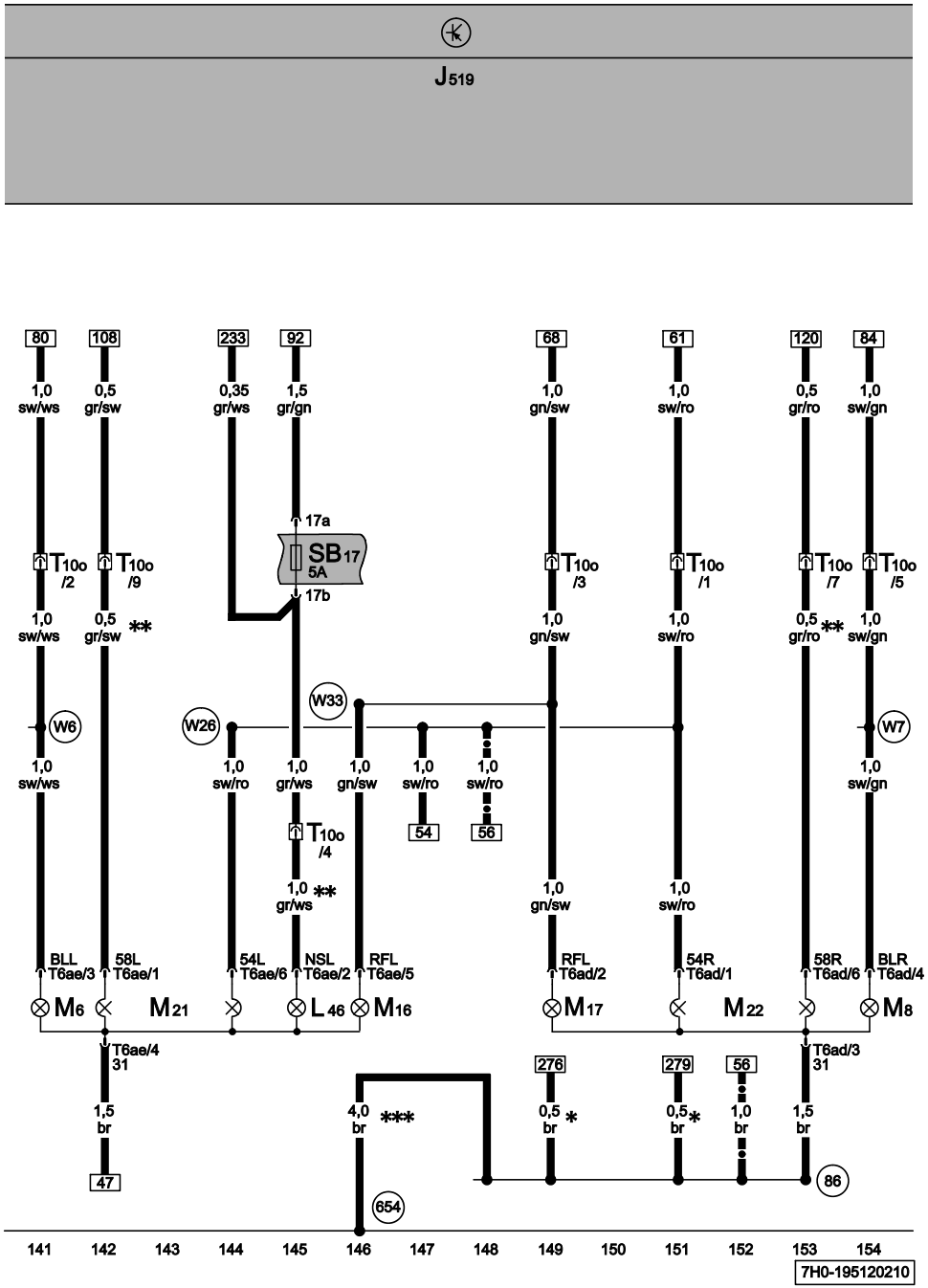
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8ae	8-pin connector, black, near headlight, front right
T10bl	10-pin connector, black, near front right headlight
T10ap	10-pin connector, black, on right of headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



ws = white
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rs = pink

Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	for models with dual tone horn only

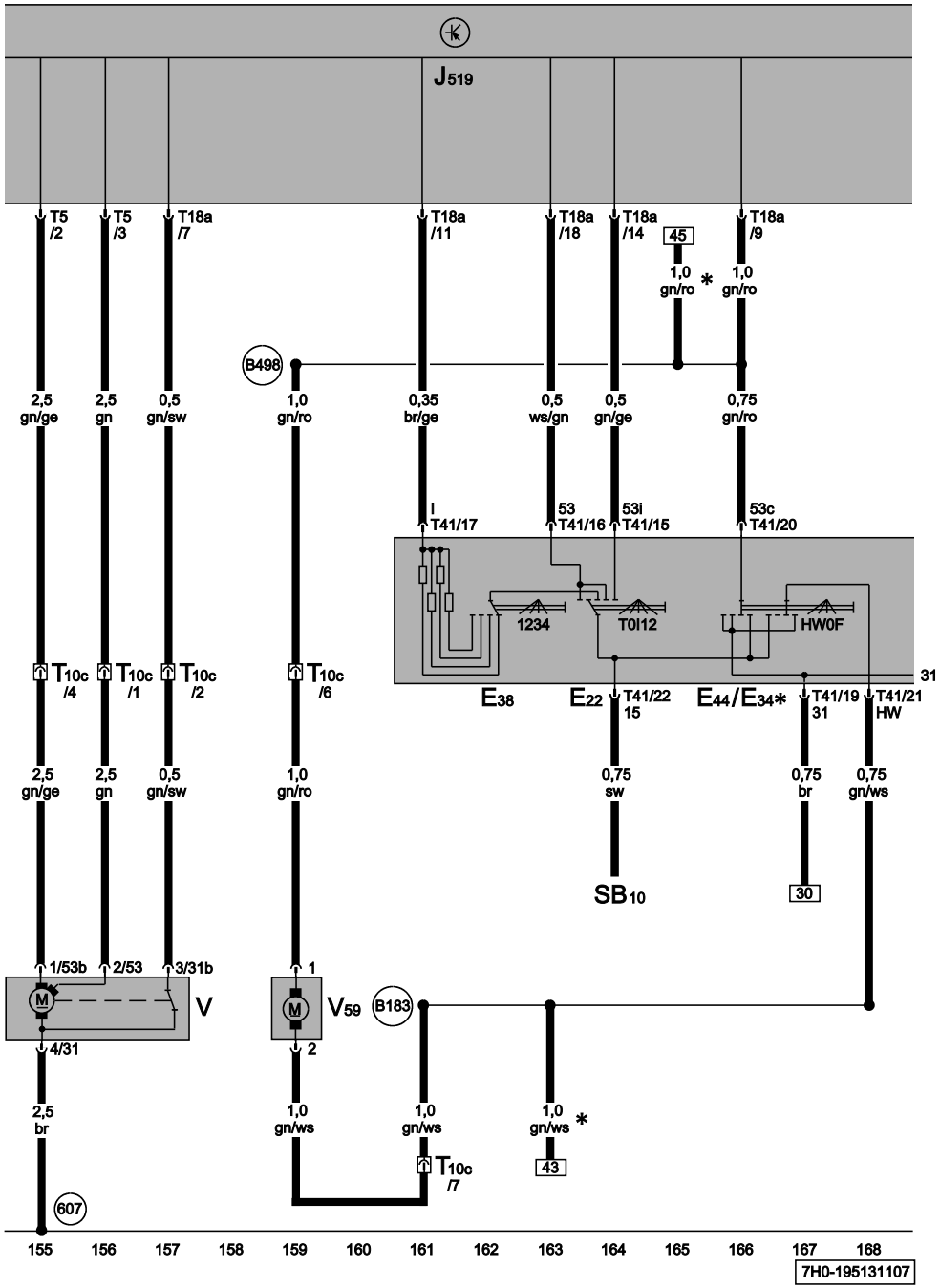


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Left brake and tail light bulb, right brake and tail light bulb, reversing light

J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
SB17	Fuse 17 on fuse holder B
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without towing coupling only (1D0)
***	cross-section depends on equipment
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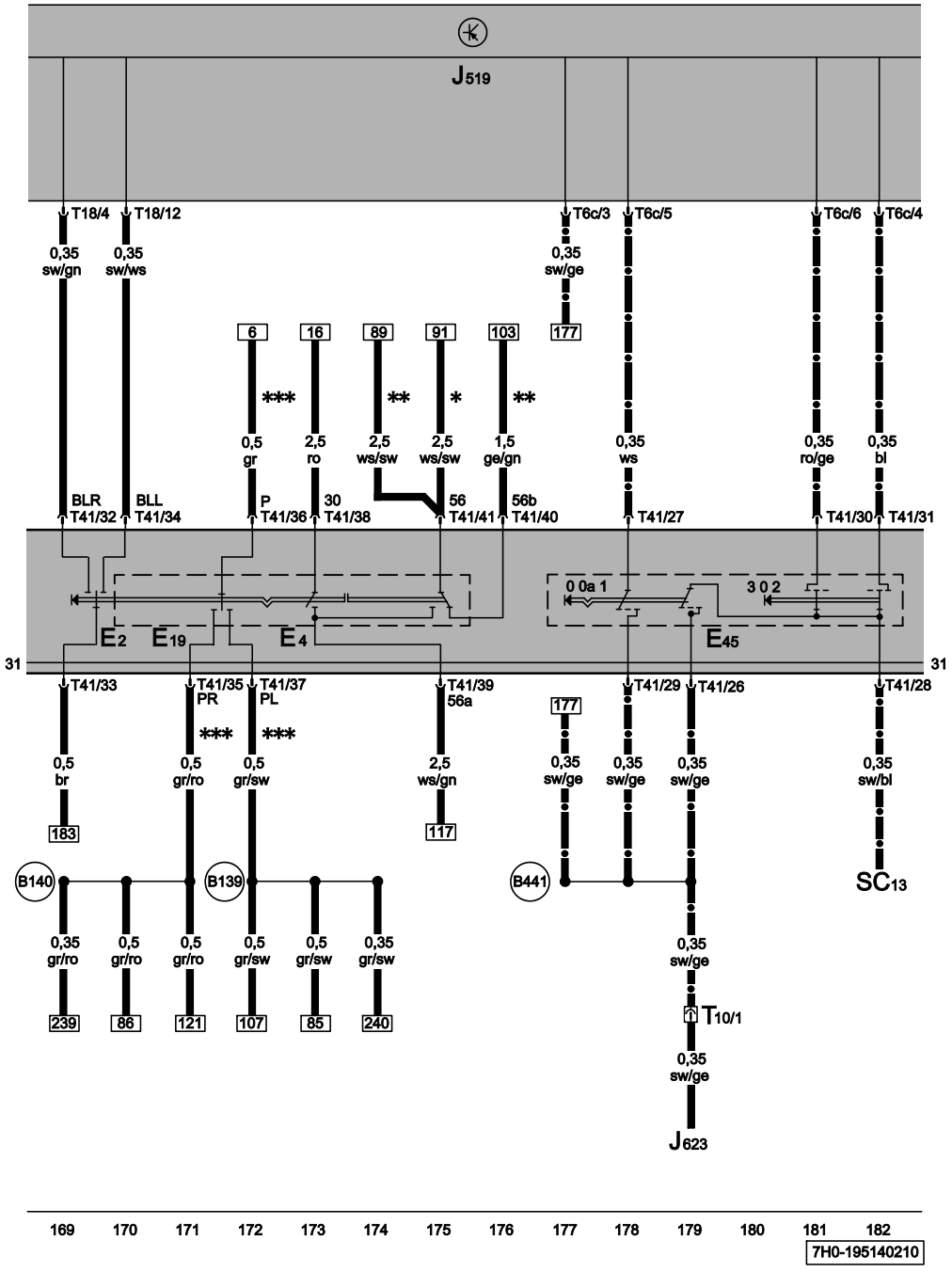
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ws = white
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rs = pink

Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

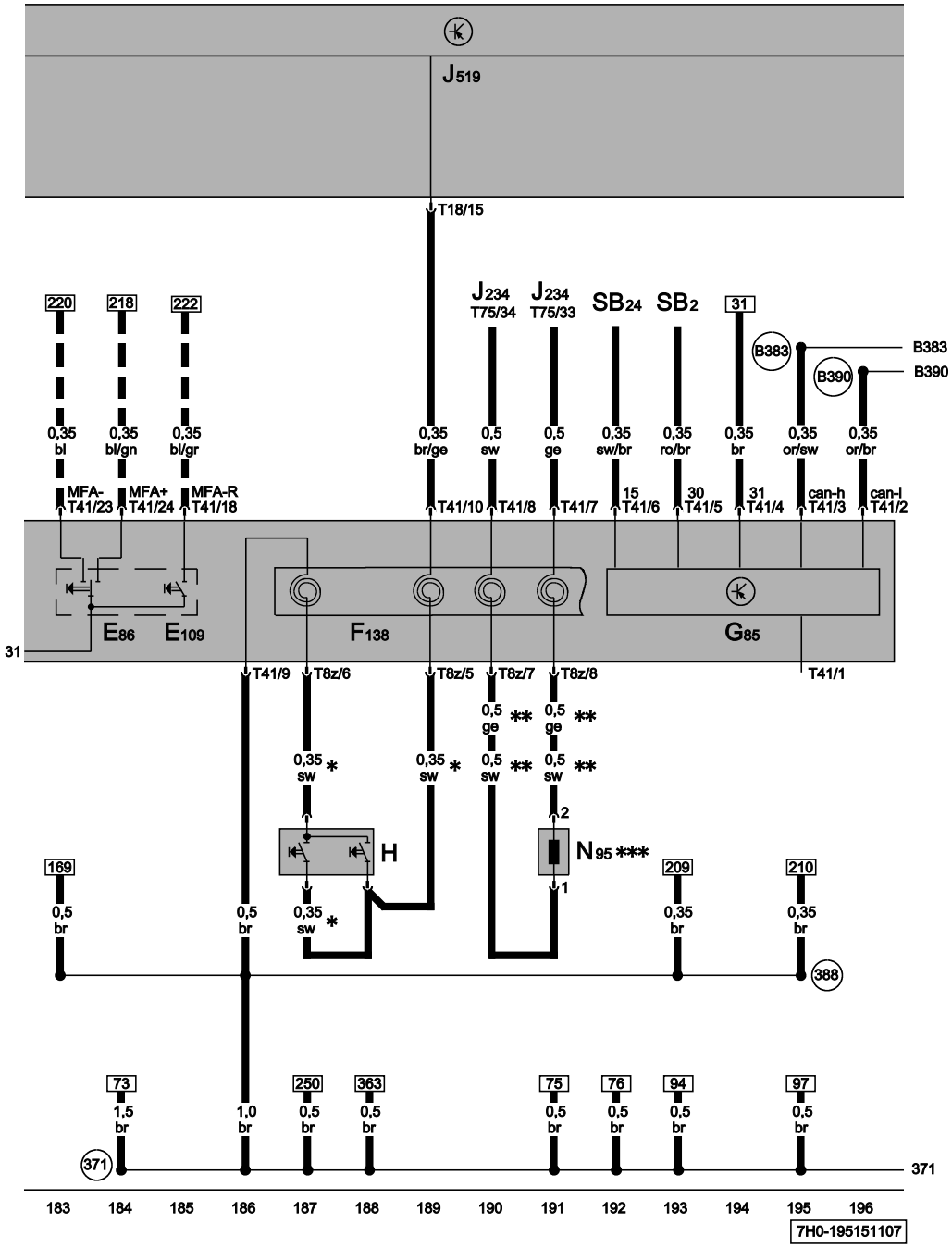
E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	for models with rear window wiper only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J519	Onboard supply control unit
J623	Engine control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for models without day driving light only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with cruise control system and without multifunction steering wheel only

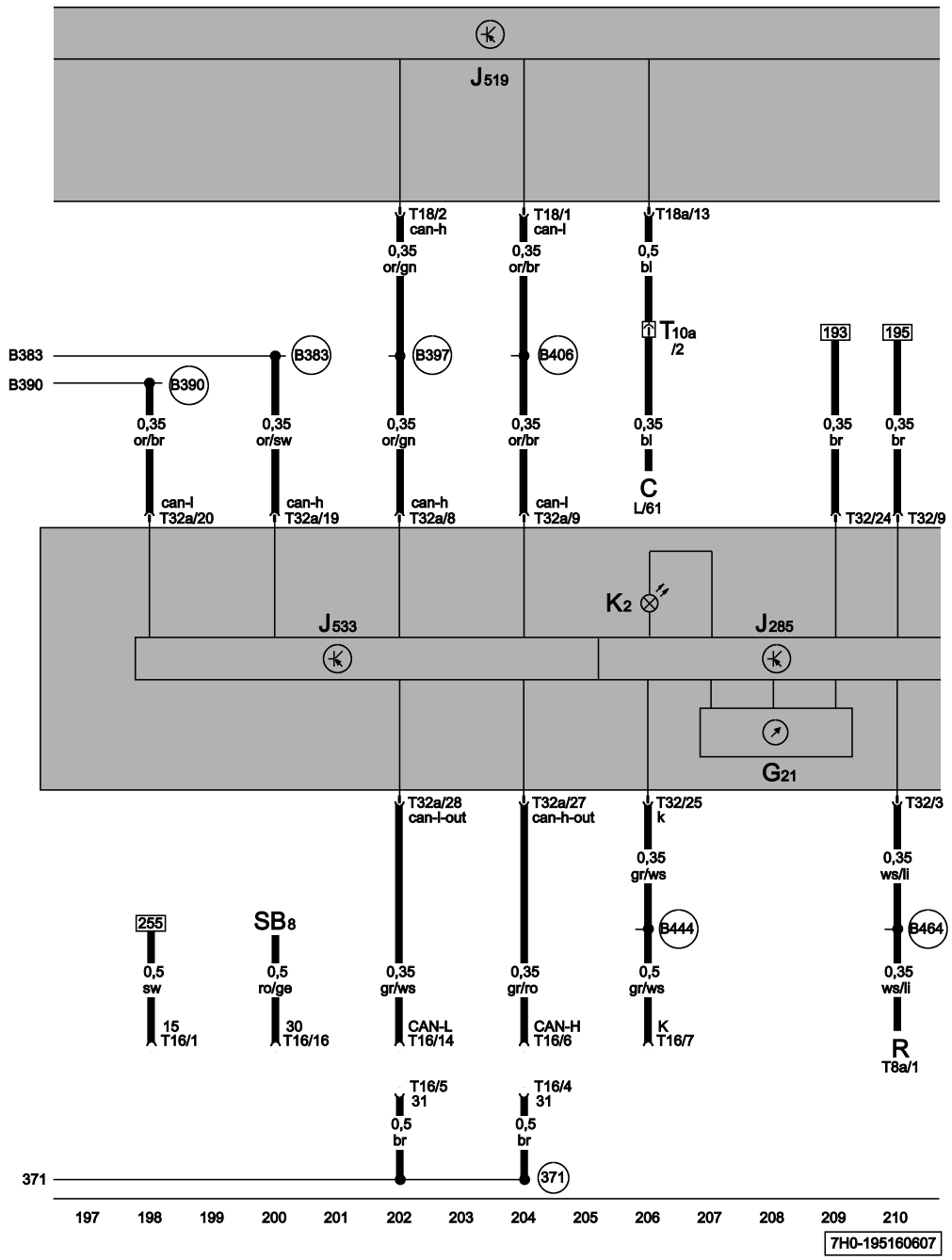


ws = white
sw = black
ro = red
br = brown
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gr = grey
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ge = yellow
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rs = pink

Onboard supply control unit, multifunction display, horn plate, driver side airbag igniter, airbag coil connector/ return spring with slip ring, steering angle sender

E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models without multifunction steering wheel only
**	depends on equipment
***	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
<fo:exter	for models with multifunction display only

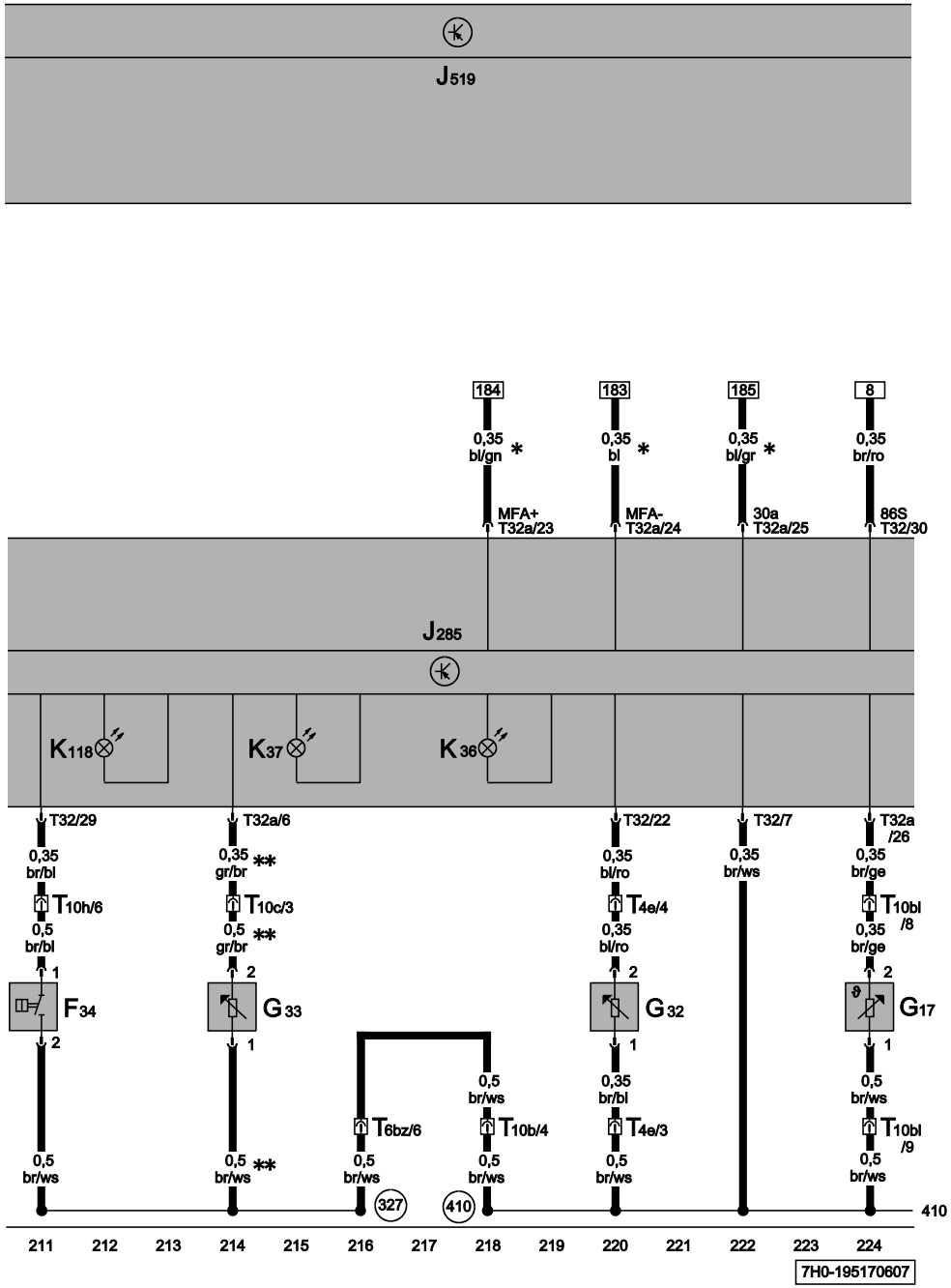
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, control unit in dash panel insert, diagnostic connector, data bus diagnostic interface, alternator, speedometer

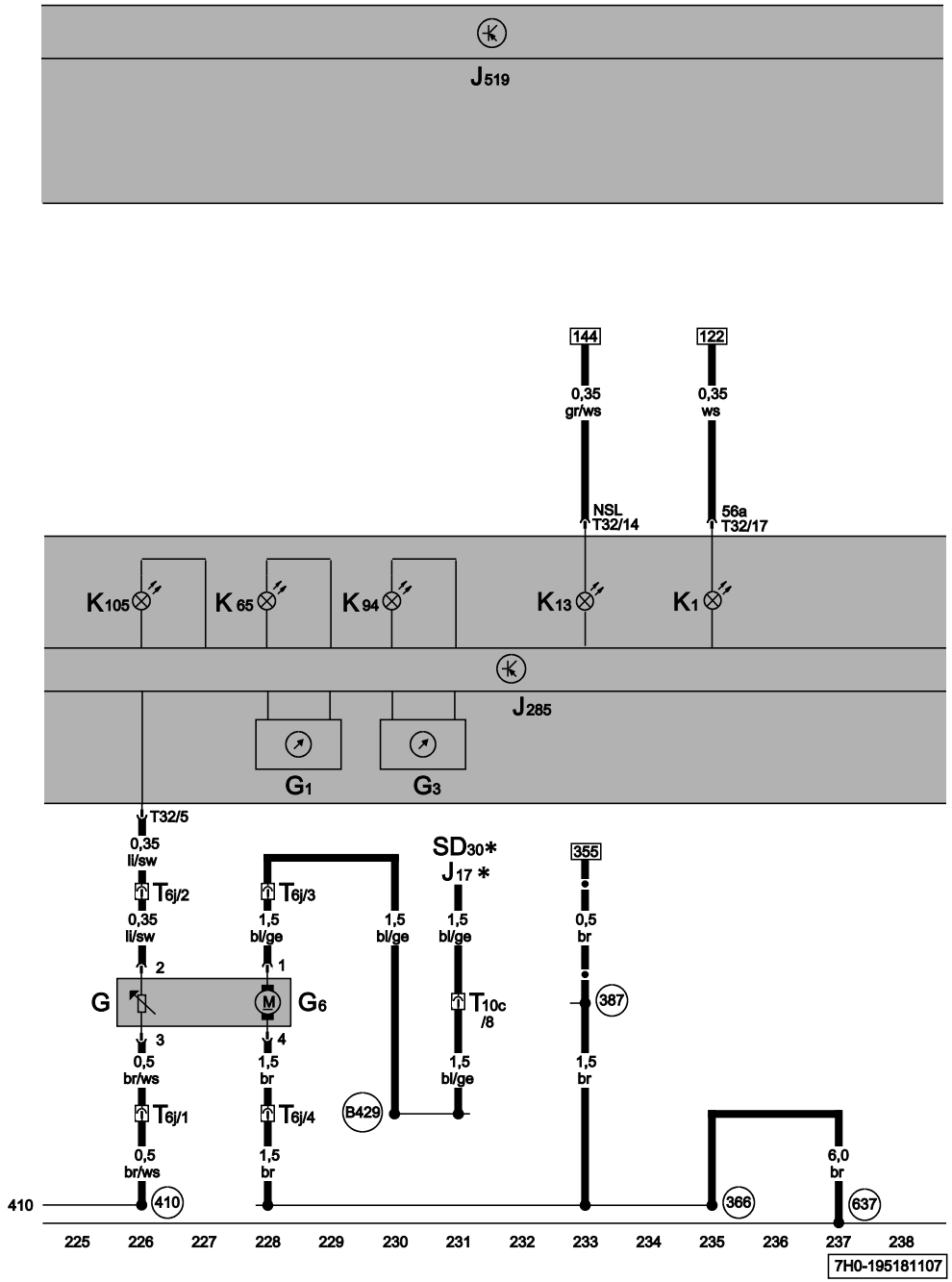
C	Alternator
G21	Speedometer
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K2	Alternator warning lamp
R	Radio
SB8	Fuse 8 on fuse holder B
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only
**	for models with windscreen washer fluid level sender only



Dash panel insert, fuel gauge, coolant temperature gauge, warning lamps, fuel pump

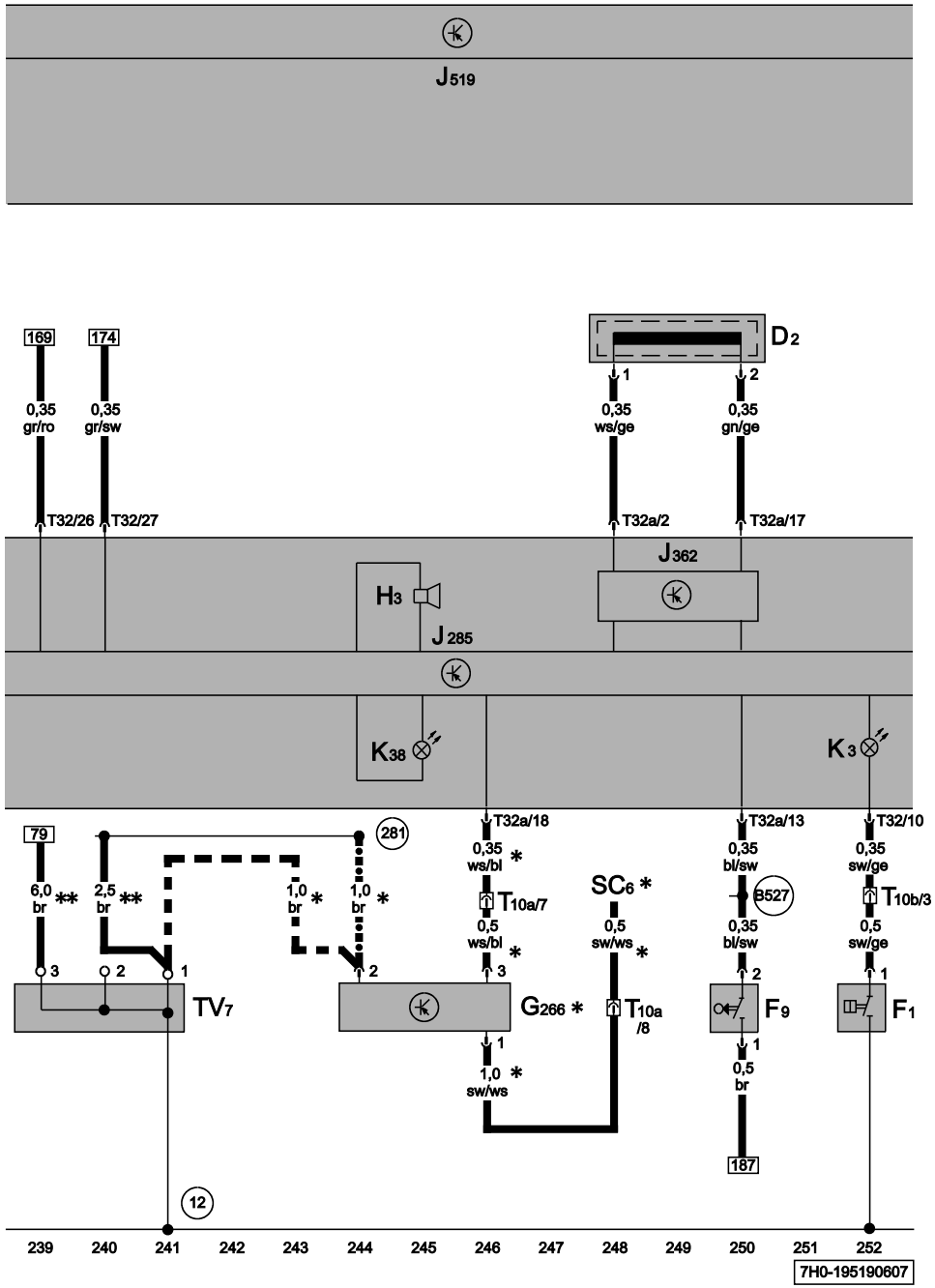
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
SD30	Fuse 30 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	⇒ engine Current Flow Diagram

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for models without multimedia bus for external audio source (9WC) only

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br	=	brown	
gn	=	green	
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white

Dash panel insert, warning lamps, oil pressure switch, oil level and oil temperature sender, handbrake warning switch, immobilizer

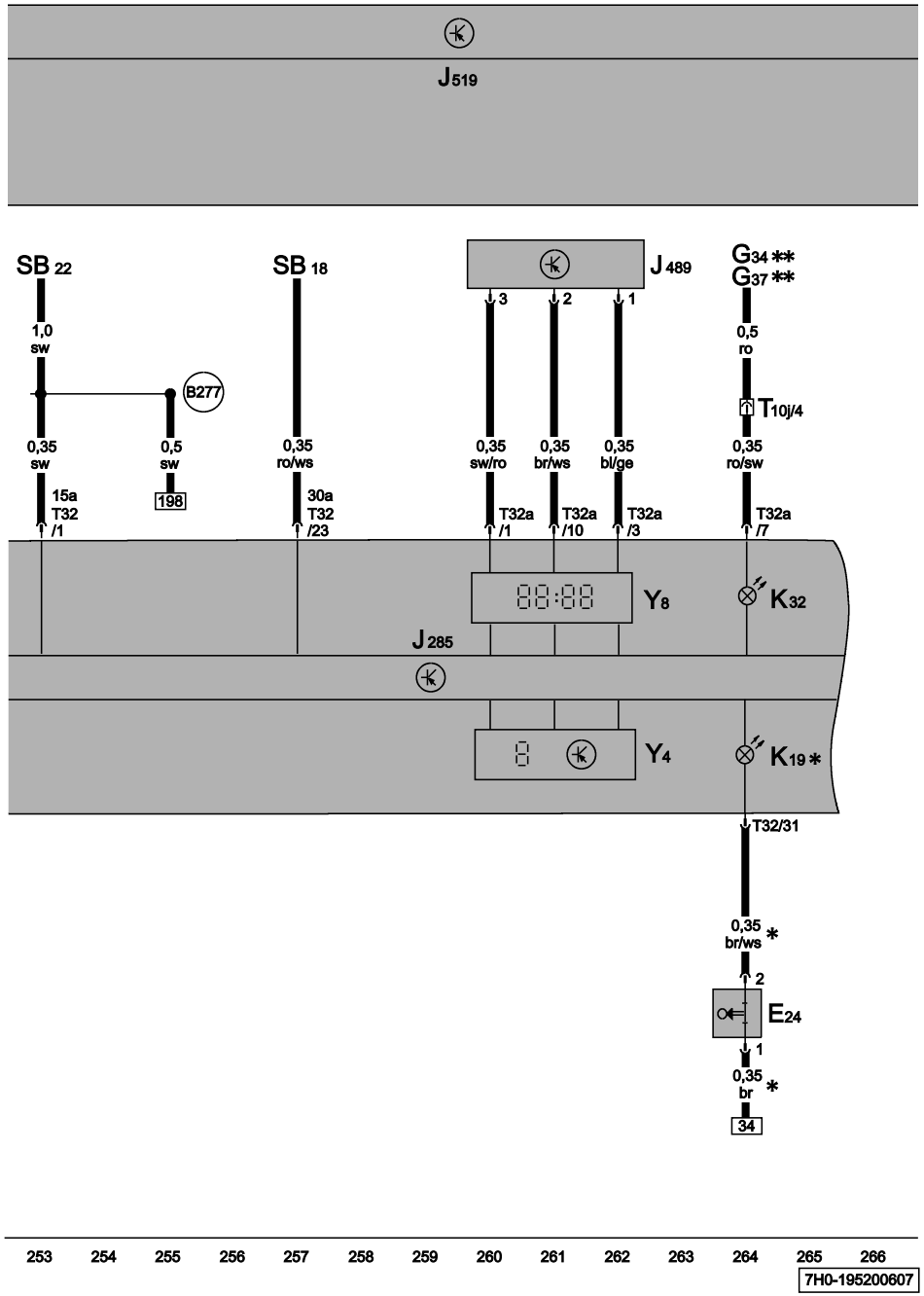
D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B527	Connection (handbrake), in main wiring harness
*	for models with extended servicing intervals only
**	Cross-section 4.0 possible

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for models with manual gearbox only

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>
for models with automatic gearbox only

sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

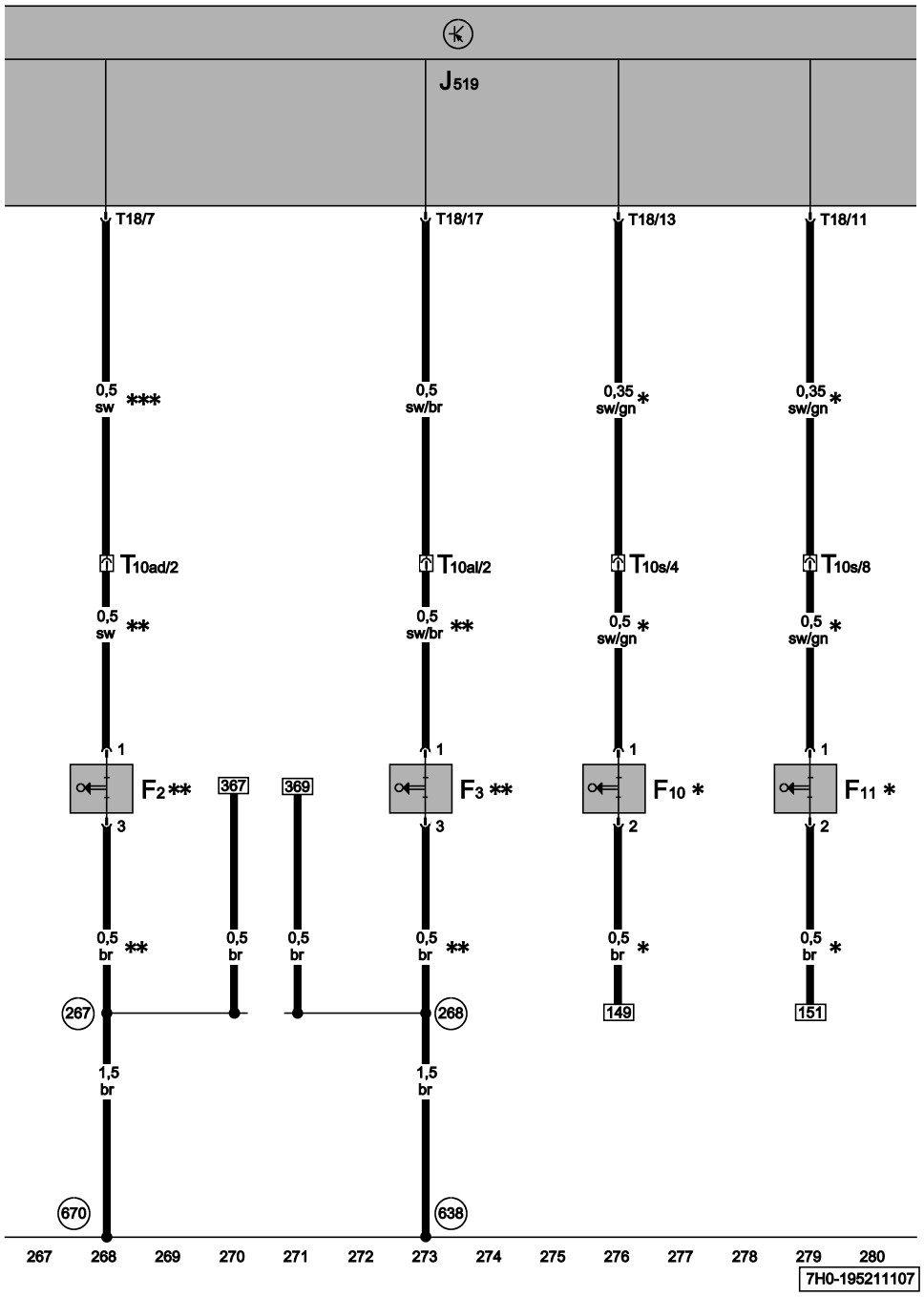
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Dash panel insert, seat belt warning system warning lamp, brake pad warning lamp, belt switch, brake pad wear sender, radio controlled clock

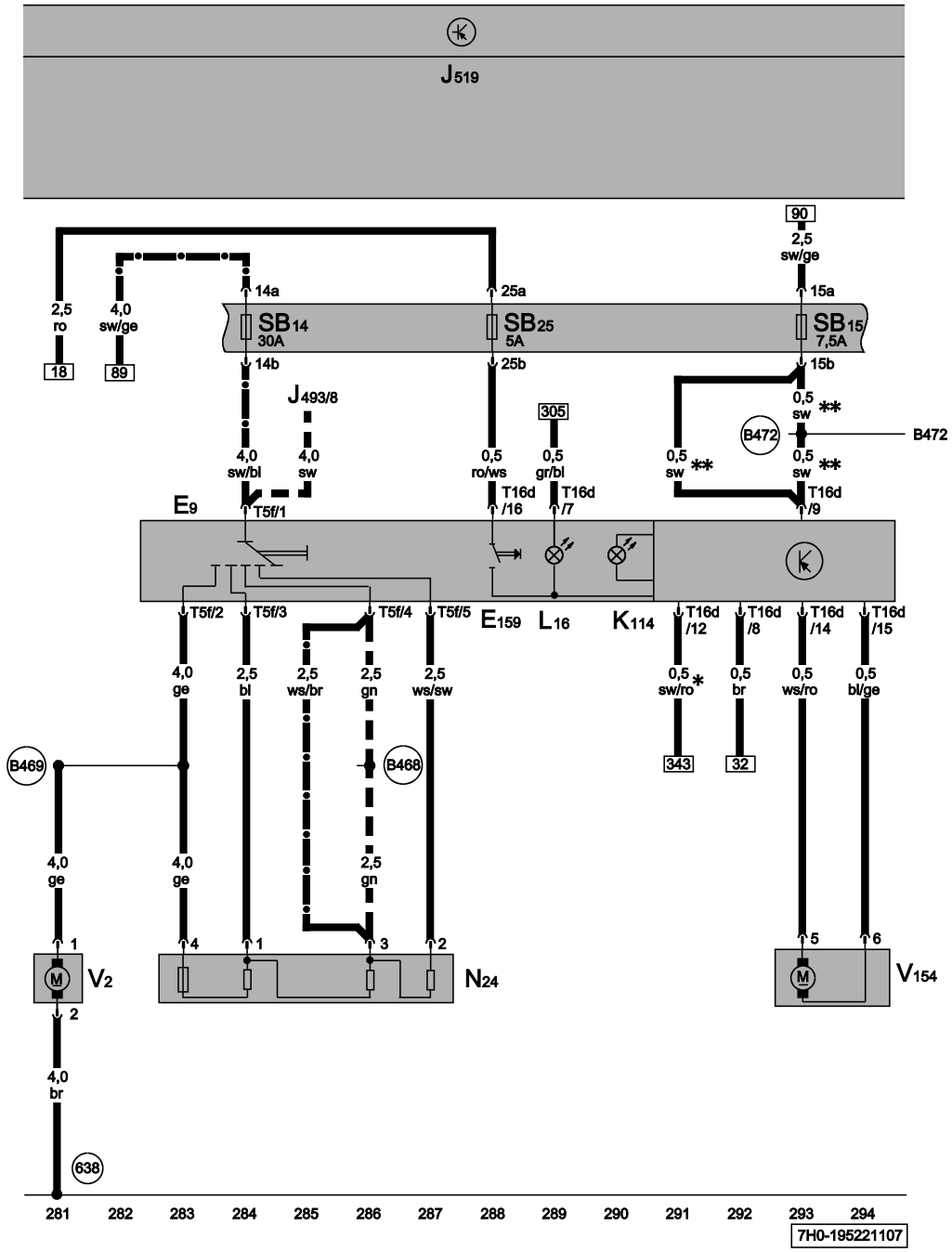
E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J519	Onboard supply control unit
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	for models with belt switch only
**	⇒ ABS Current Flow Diagram



Onboard supply control unit, door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without central locking only
***	for models without taxi equipment only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

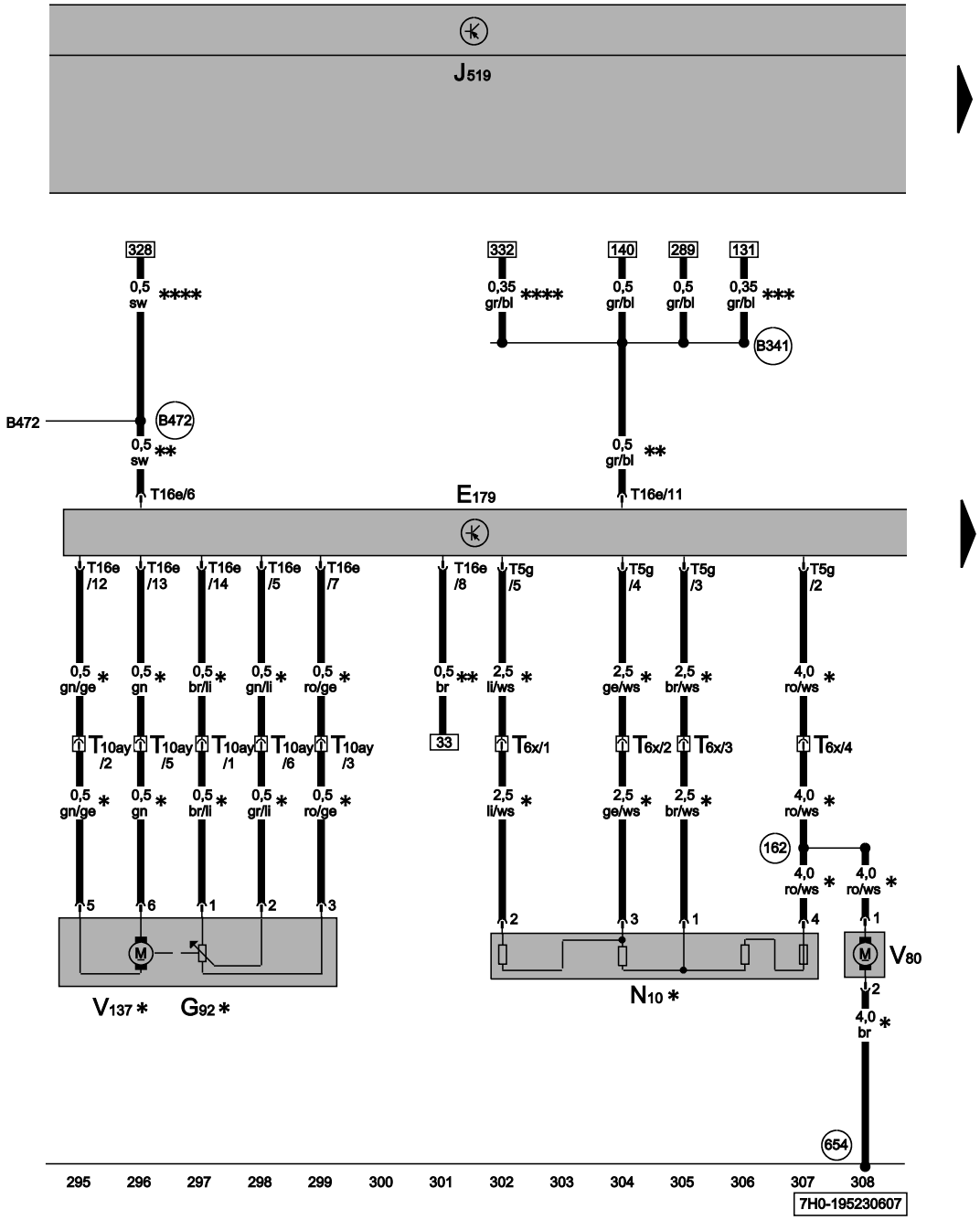
Fuses, fresh air blower switch, fresh air and air recirculation flap switch, fresh air blower, fresh air and air recirculation flap control motor

E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	depends on equipment
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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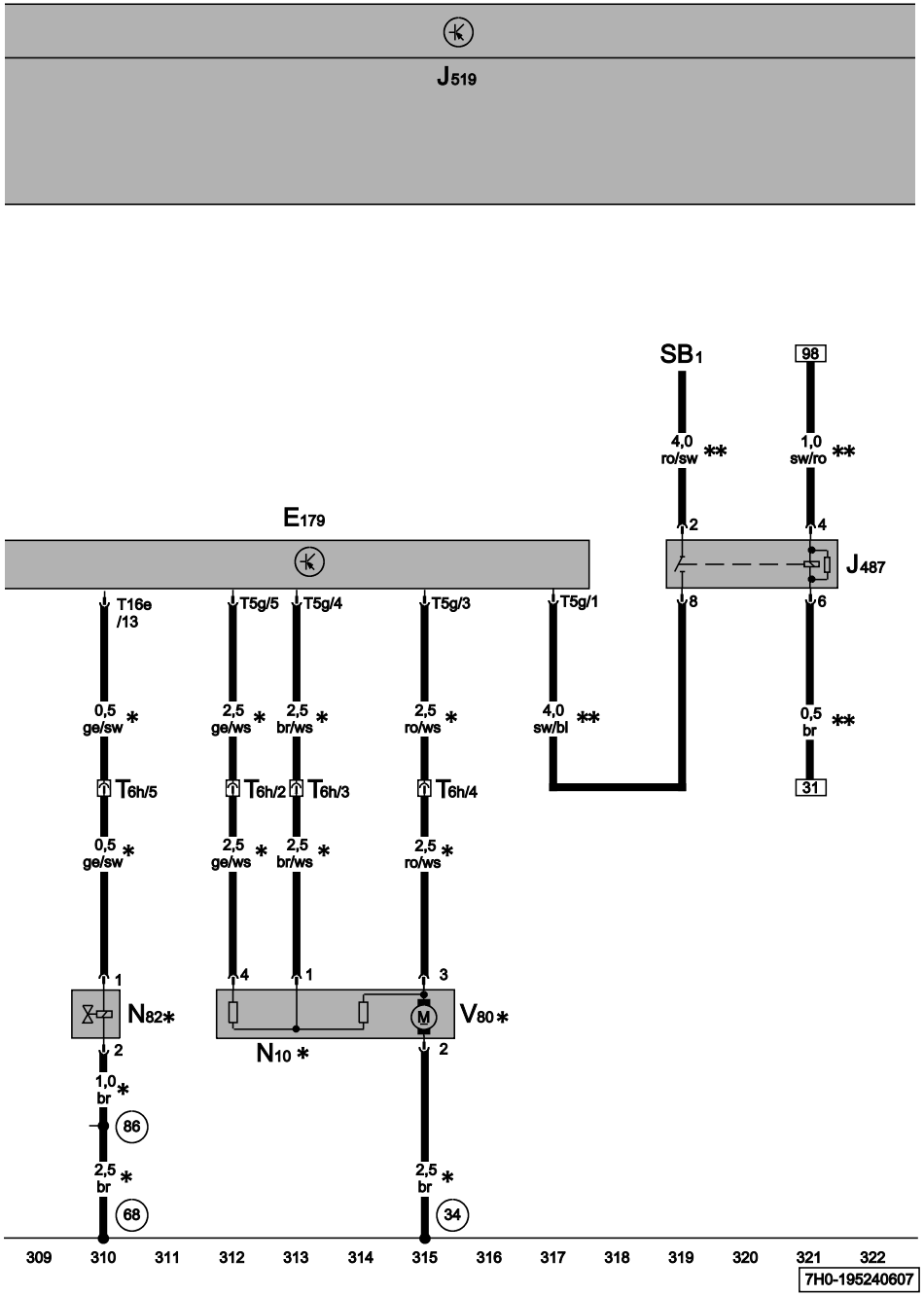
for models with auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, rear temperature flap control motor, control motor potentiometer

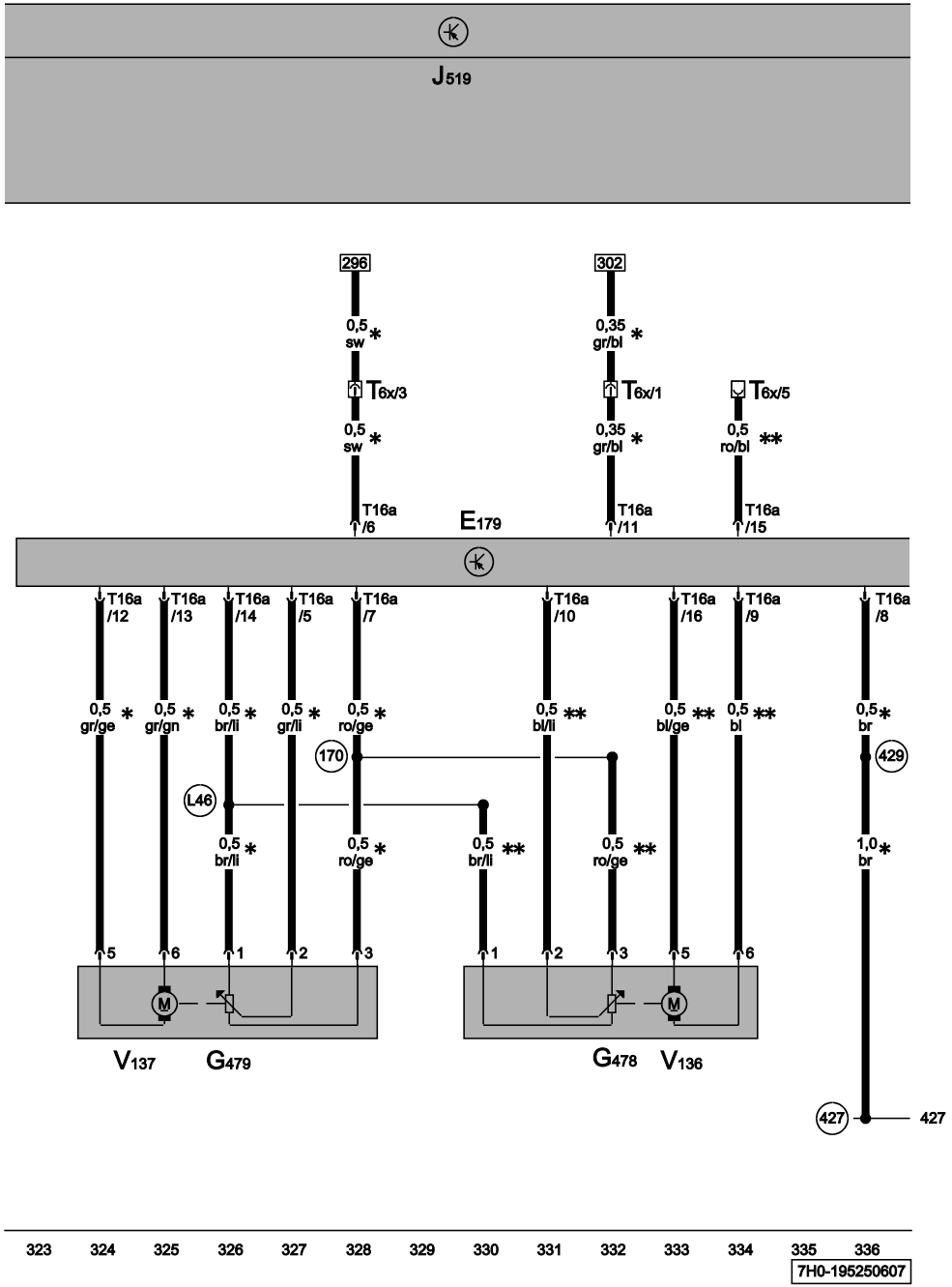
E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
162	Earth connection, in blower motor wiring harness
654	Earth point, right D-pillar
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	for box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only, not for double cab
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only
***	for models without dimming instruments illumination only
****	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
ge = yellow
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Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

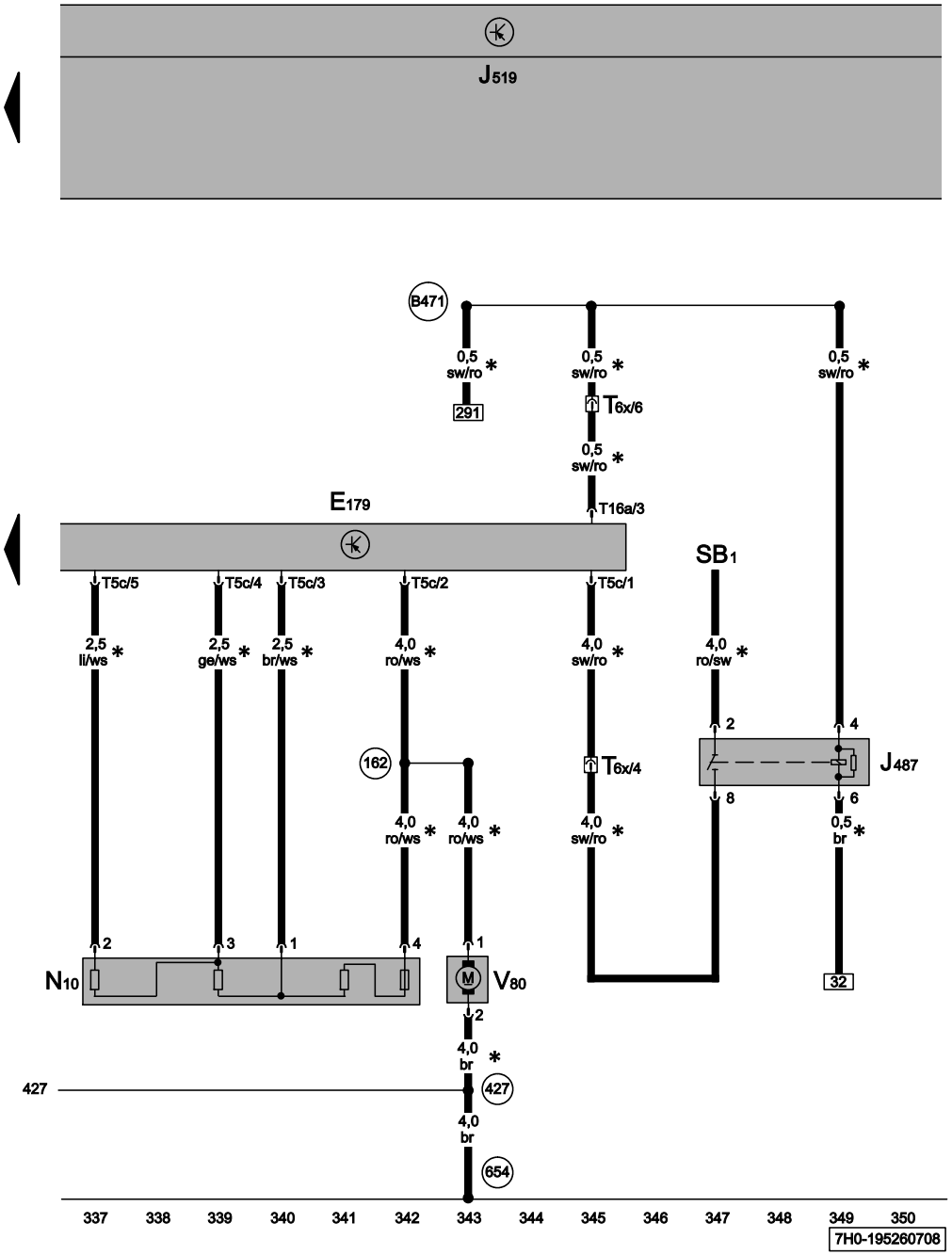
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16e	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
*	for models with double cab only
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only



Rear fresh air blower switch, rear air distribution control motor, rear temperature flap motor, potentiometer for control motor

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J519	Onboard supply control unit
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
427	Earth connection 3, in right rear end wiring harness
429	Earth connection 4, in right rear end wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, not for camper

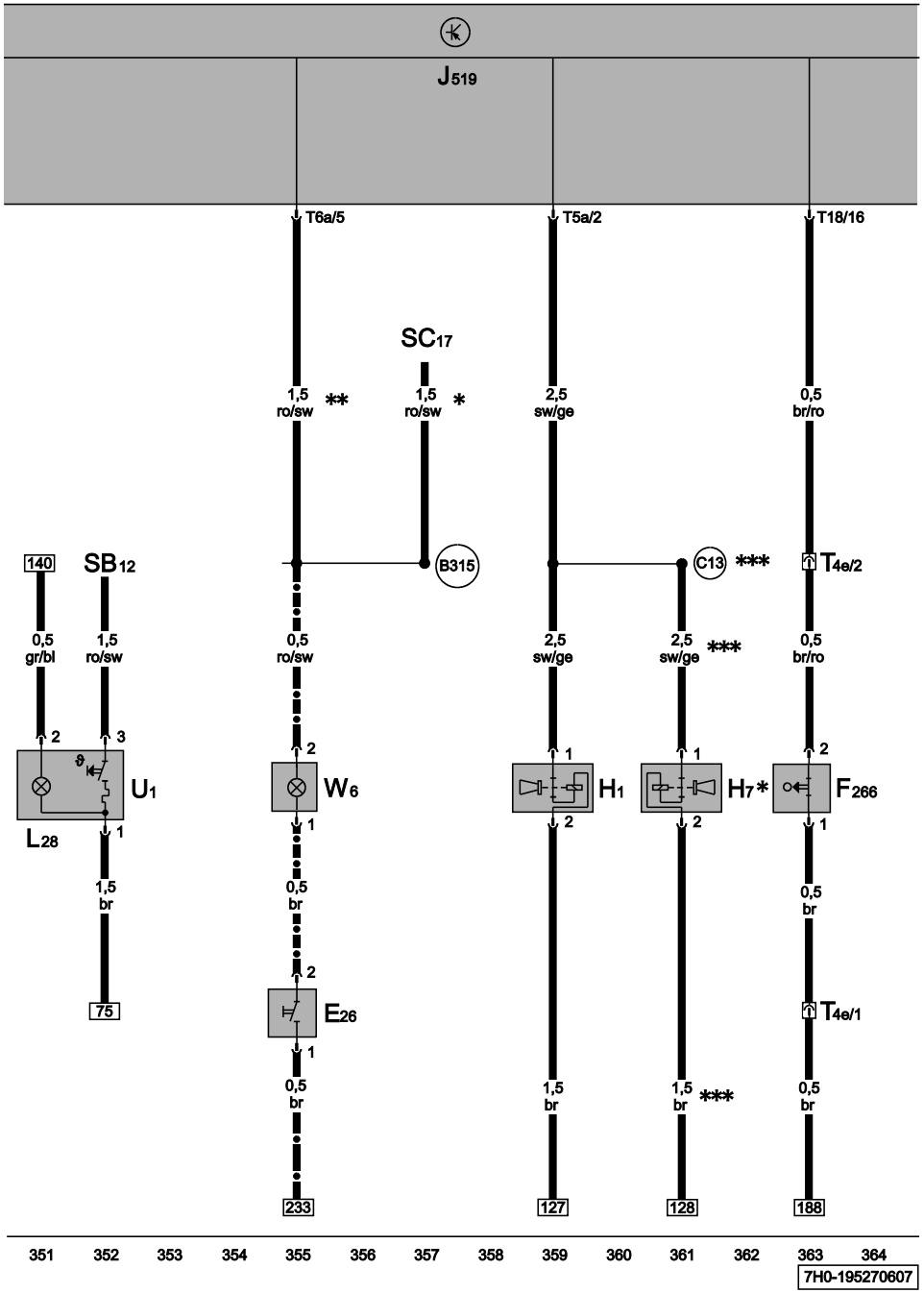
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

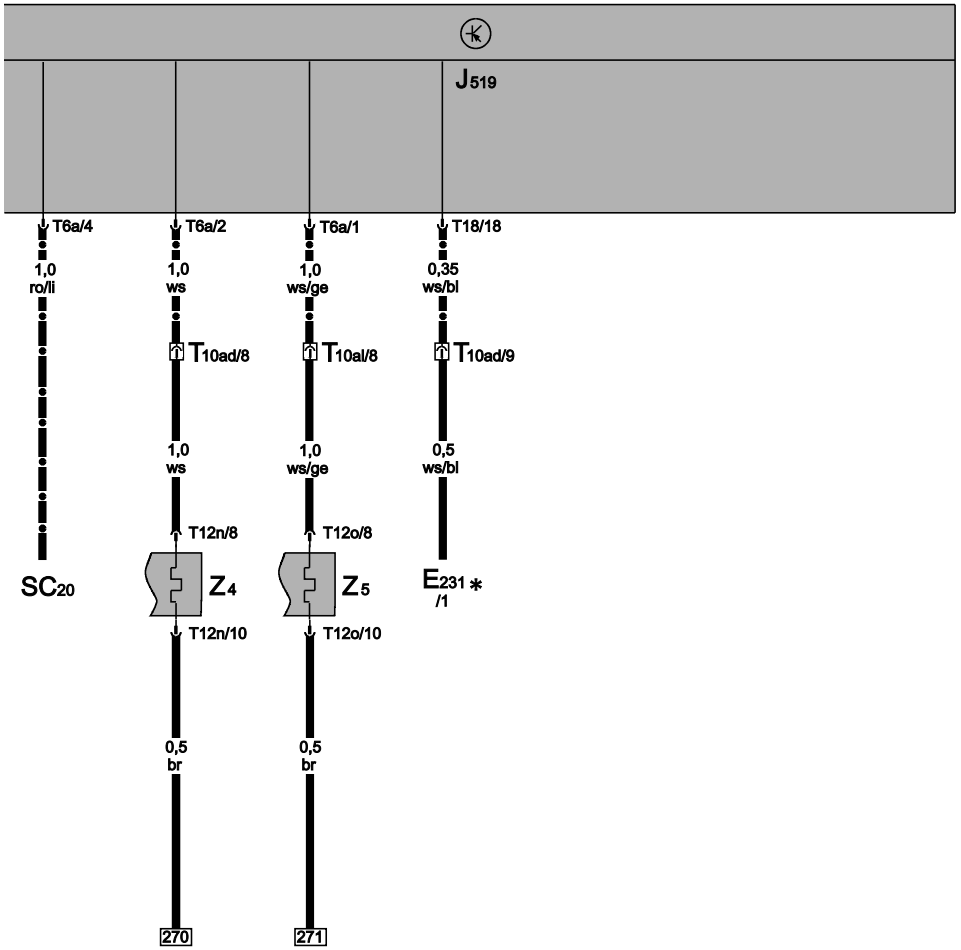
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
SB1	Fuse 1 on fuse holder B
V80	Rear fresh air blower
(162)	Earth connection, in blower motor wiring harness
(427)	Earth connection 3, in right rear end wiring harness
(654)	Earth point, right D-pillar
(B471)	Connection 7 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

E26	Glove compartment light switch
F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
SC17	Fuse 17 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with roof console only ⇒ interior lights Current Flow Diagram
**	for models without roof console only ⇒ interior lights Current Flow Diagram
***	for models with dual tone horn only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models without multimedia bus for external audio source (9WC) only



Onboard supply control unit, exterior mirror heater button, heated exterior mirror

E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
*	⇒ Current Flow Diagram: convenience system without window regulator
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with heated exterior mirrors and without window regulator only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Second battery

⇒ **For models without battery for special vehicles only**

from January 2006

Notes:

For information concerning

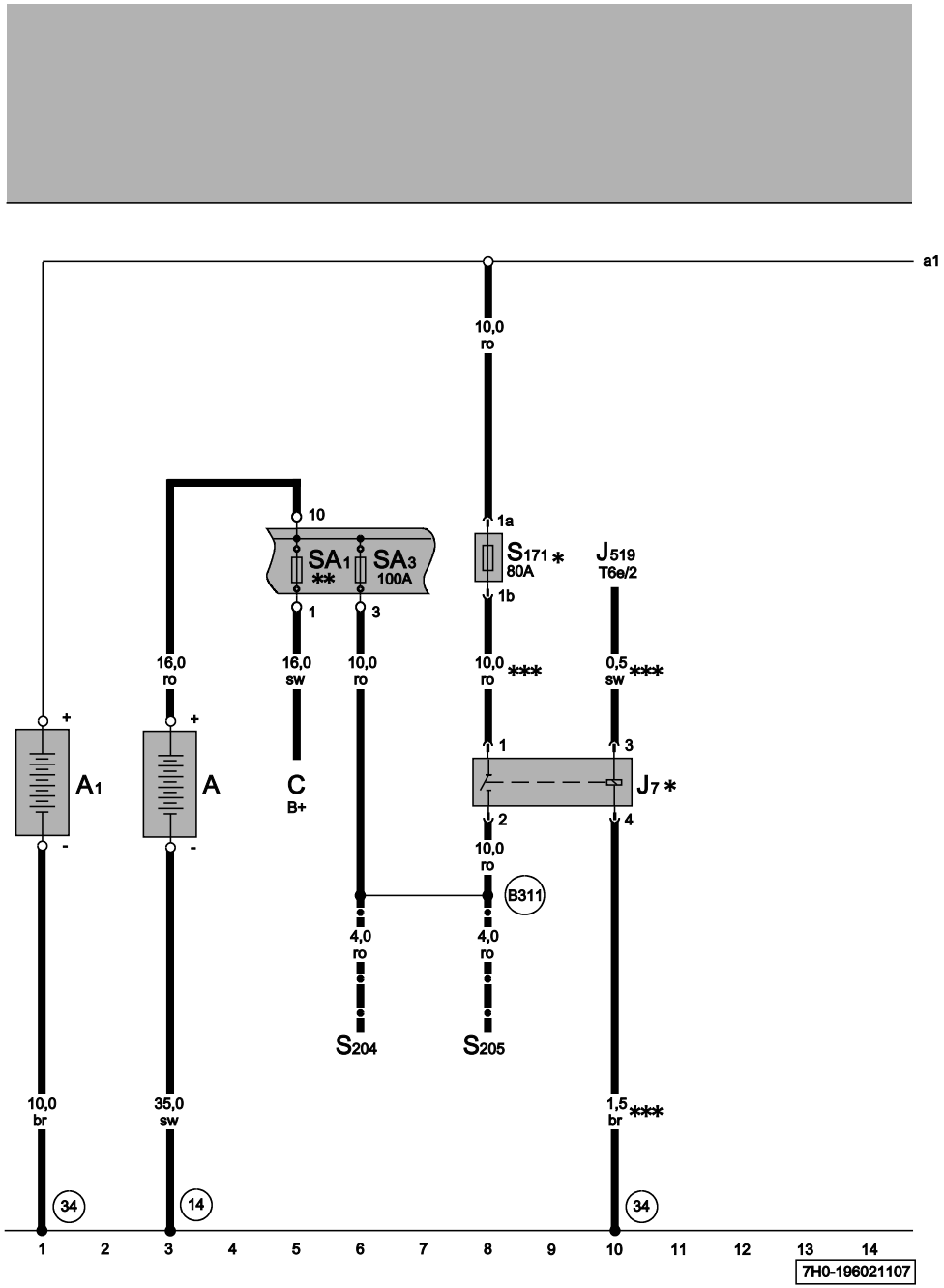
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

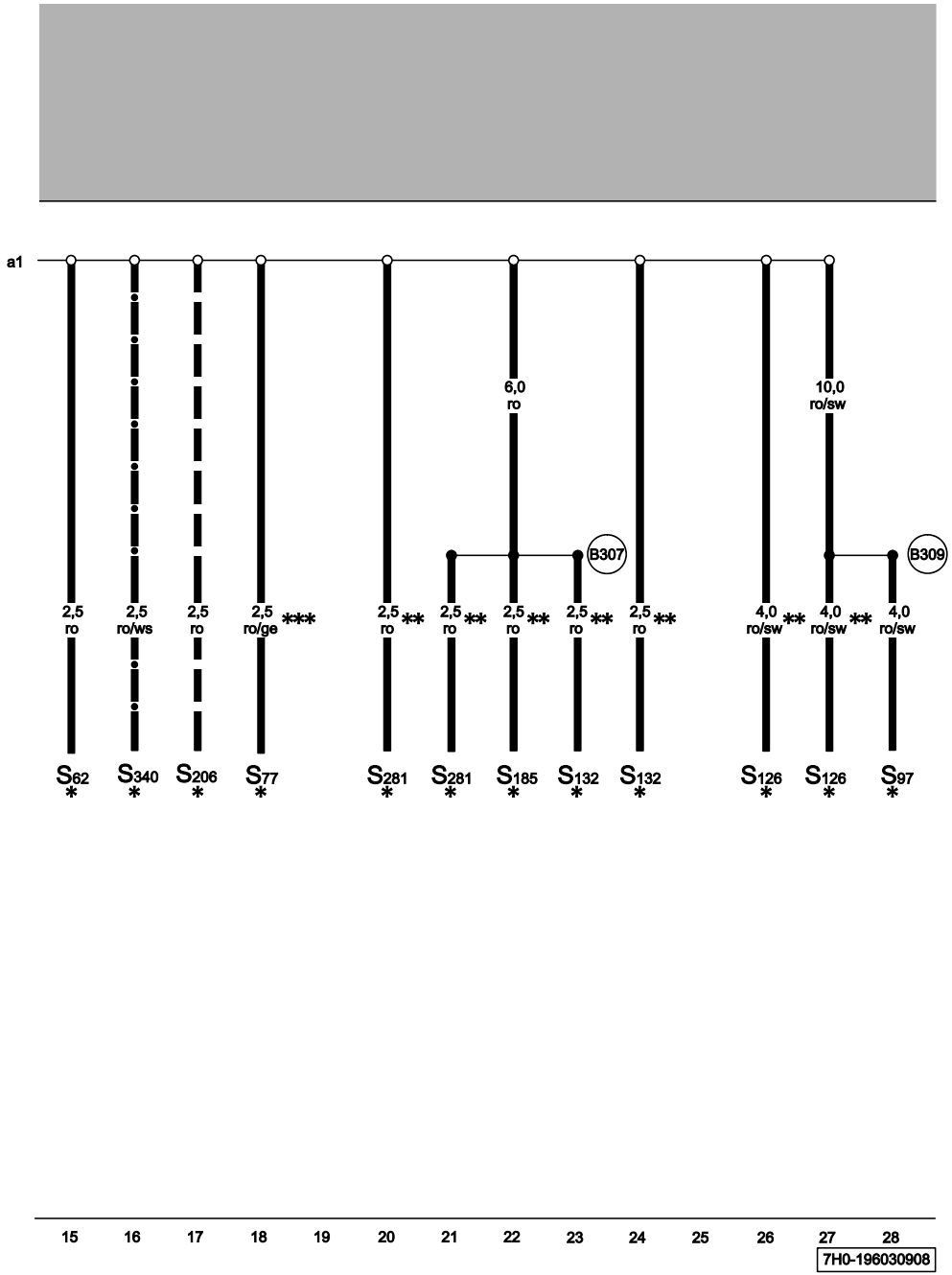


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, second battery, battery isolation relay, fuses

A	Battery
A1	Second battery
C	Alternator
J7	Battery isolation relay
J519	Onboard supply control unit
S171	Battery isolation relay fuse
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA1	Fuse 1 on fuse holder A
SA3	Fuse 3 on fuse holder A
T6e	6-pin connector, red
14	Earth point, on gearbox
34	Earth point, under driver seat
B311	Positive connection 15 (30), in main wiring harness
*	on left in seat box ⇒ Fitting Locations
**	⇒ Fitting Locations
***	for models without camping equipment only

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for models with electric sliding door only ⇒ Current Flow Diagram electric sliding door



Fuses

S62	Auxiliary heater fuse
S77	Terminal 30 fuse, trailer towing attachment
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
S132	Fuse 2
S185	Electric socket 2 fuse
S206	Fuse 3 (30)
S281	Electric socket 3 fuse
S340	Cool box fuse
B307	Positive connection 11 (30), in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
*	on left in seat box ⇒ Fitting Locations
**	depends on equipment
***	applicable from June 2007

<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform" />
only for models with AC/DC converter with socket, 12 V-230 V/ 12 V-115 V

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for models with refrigerator box only, not for camper

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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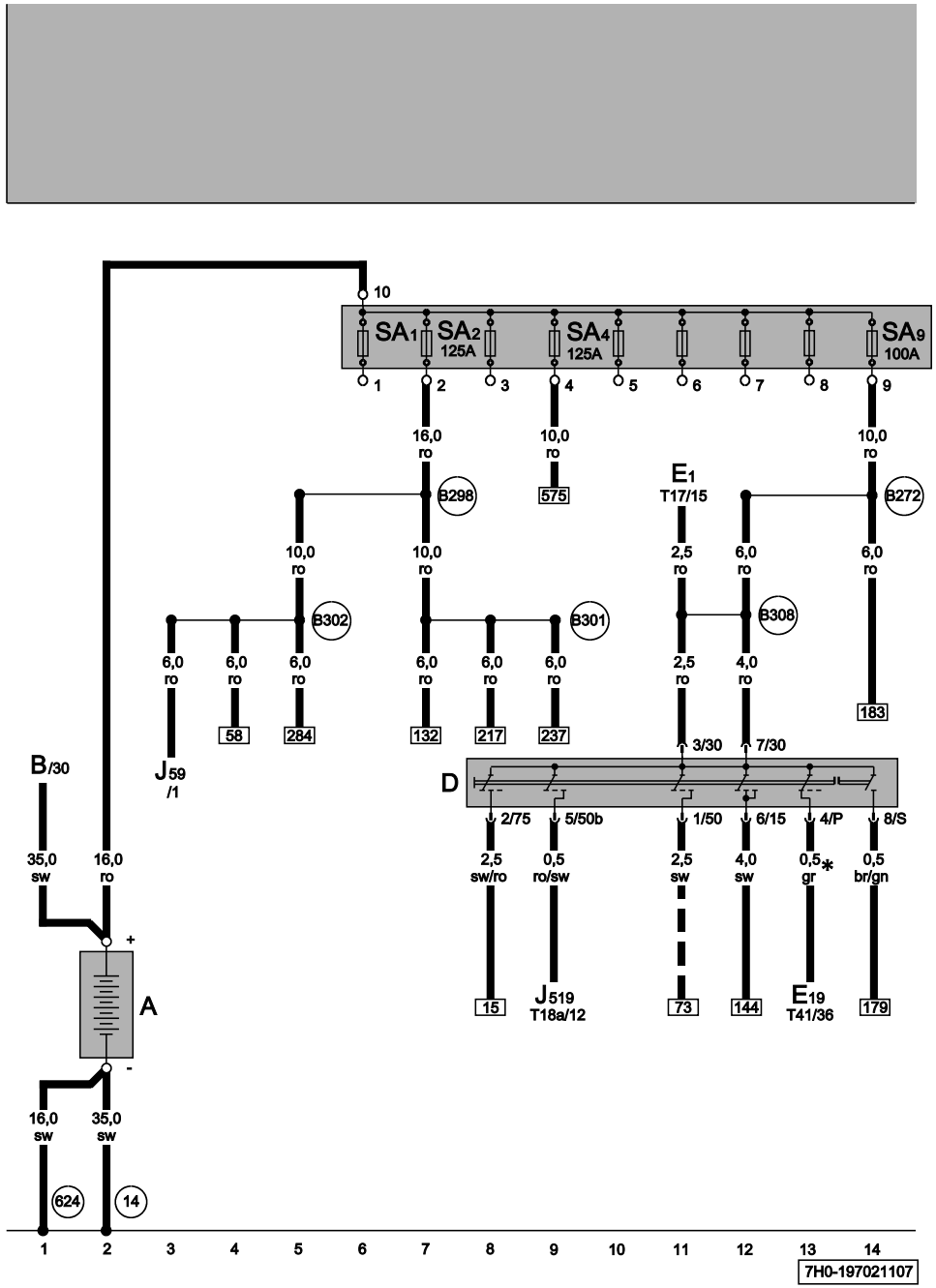
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



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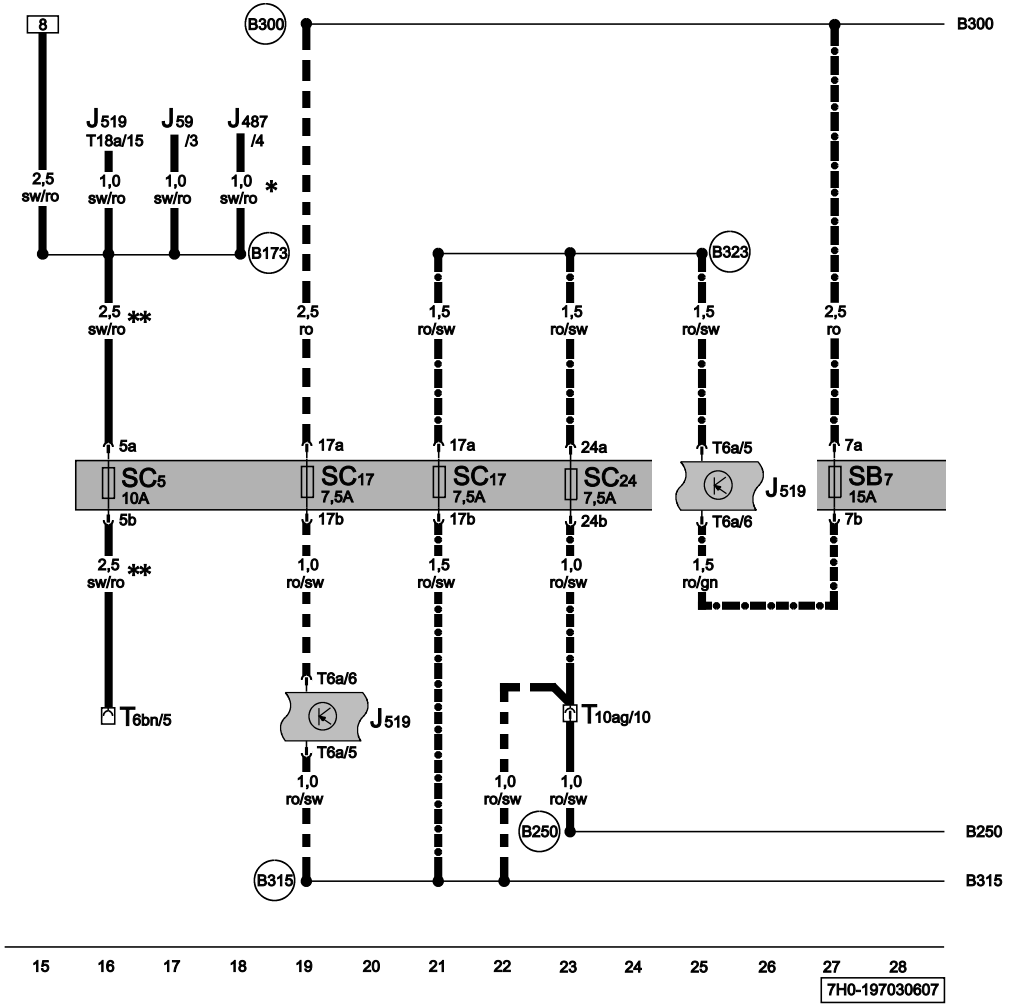
Battery, starter, ignition/starter switch, fuses SA1, SA2, SA4 and SA9

A	Battery
B	Starter
D	Ignition/starter switch
E1	Light switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA9	Fuse 9 on fuse holder A
T17	17-pin connector
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	for models without day driving light only

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for models with manual gearbox only

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br	=	brown	>
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ws = white

Fuses SB7, SC5, SC17 and SC24

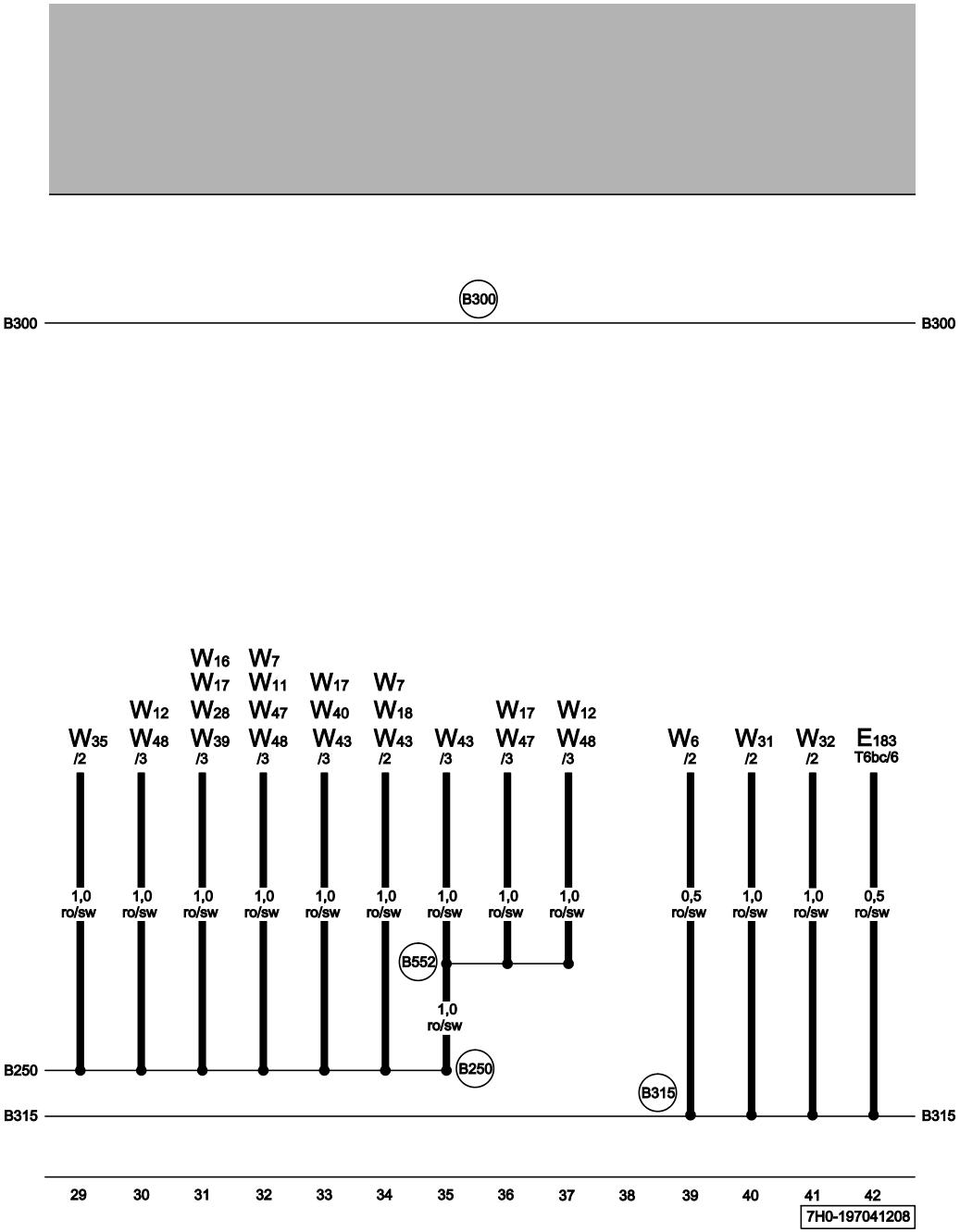
J59	X-contact relief relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bn	6-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
B173	Positive connection 2 (X), in interior wiring harness
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment
**	for models with electric interface only

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for models without roof console only

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for models with roof console only

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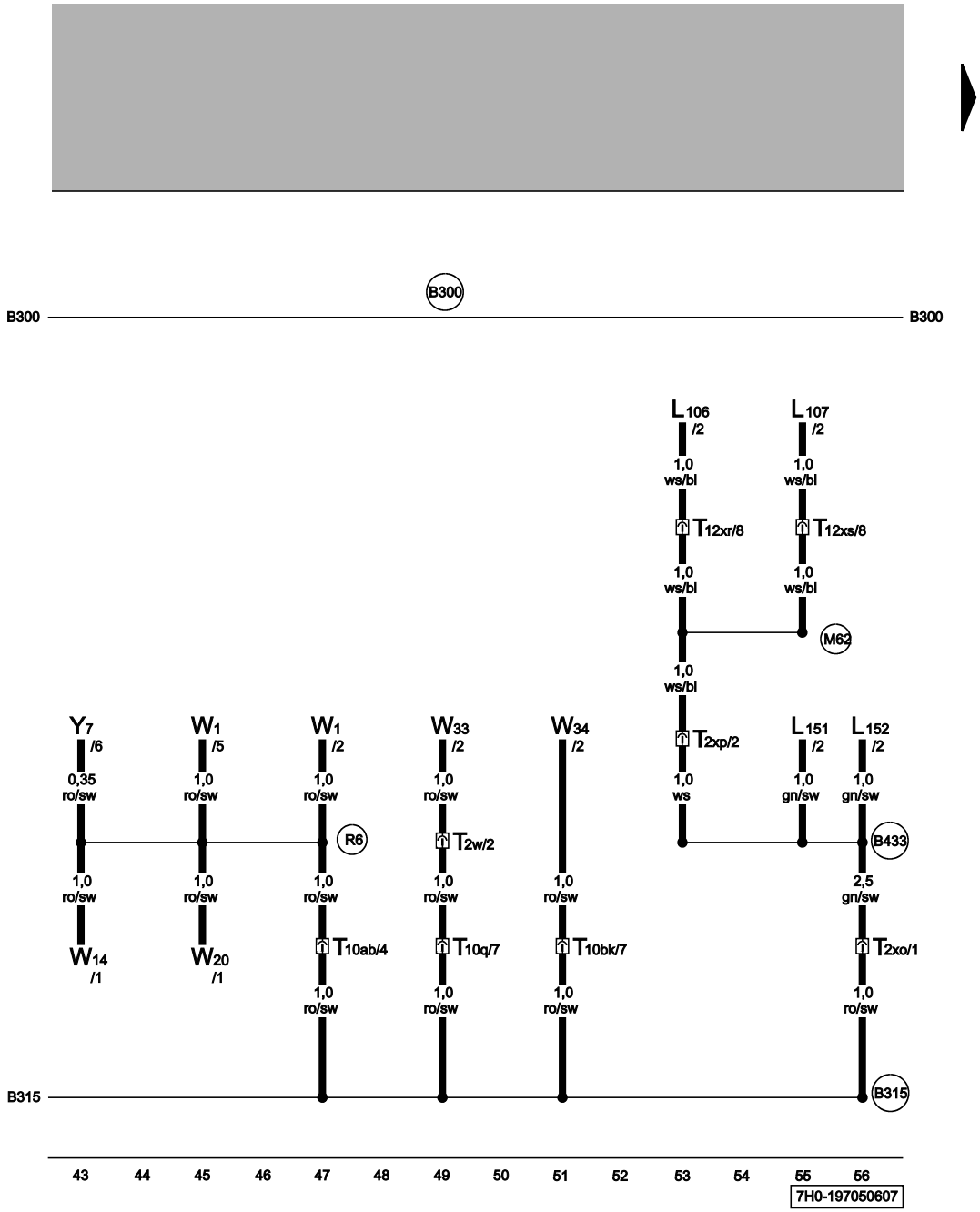
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rs = pink

Illumination

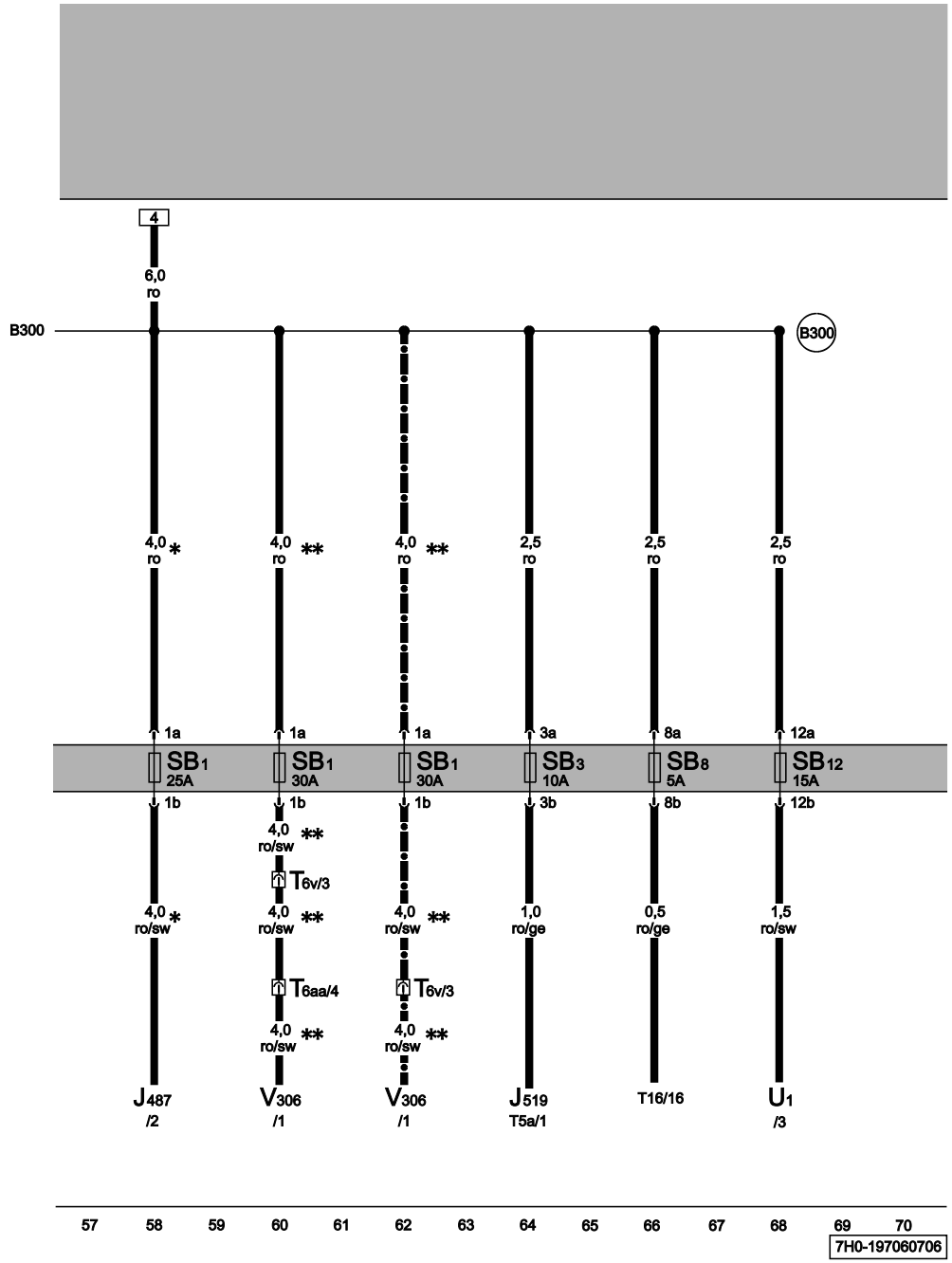
E183	Interior monitor deactivation switch
W6	Glove compartment light
W7	Centre interior light
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W18	Luggage compartment light on left
W28	Front interior light in high roof
W31	Front left entry light
W32	Front right entry light
W35	Right luggage compartment light
W39	Left centre reading light
W40	Right centre reading light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
T6bc	6-pin connector, blue
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness



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gr = grey
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ge = yellow
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rs = pink

Illumination

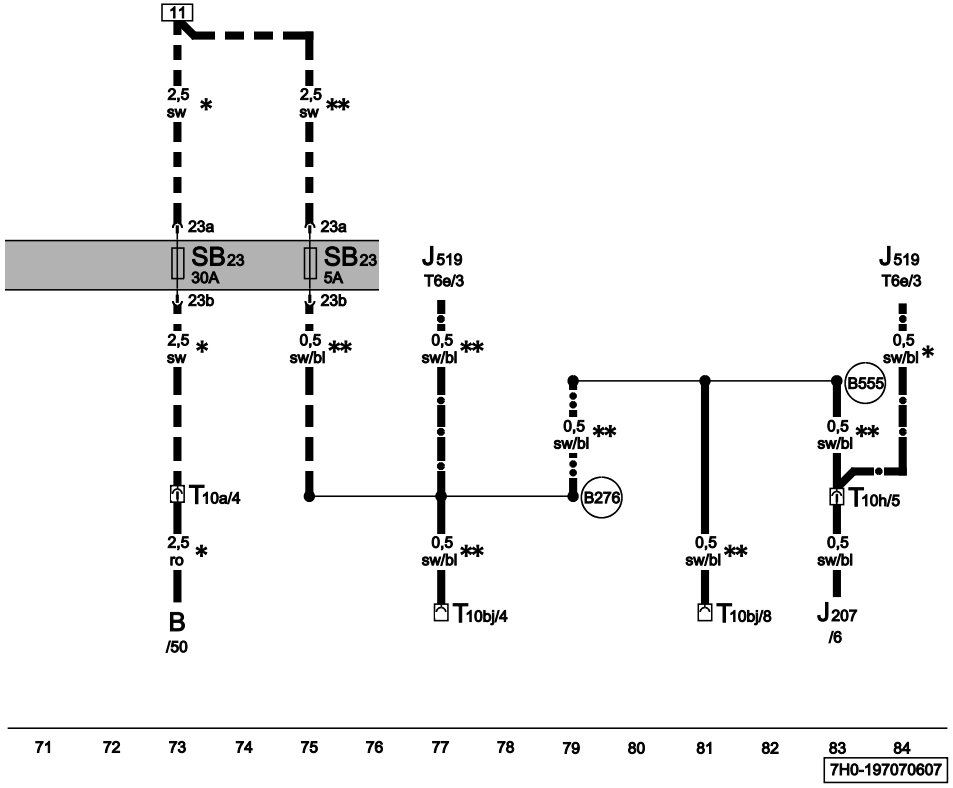
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
T2w	2-pin connector, black, lower left B-pillar
T2xo	2-pin connector
T2xp	2-pin connector
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12xr	12-pin connector
T12xs	12-pin connector
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness



Fuses SB1, SB3, SB8 and SB12

J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5a	5-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T6aa	6-pin connector, purple, near second evaporator rear right
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
V306	Rear blower Bitron regulation motor
B300	Positive connection 4 (30), in main wiring harness
*	for models without Climatronic only
**	for models with Climatronic only
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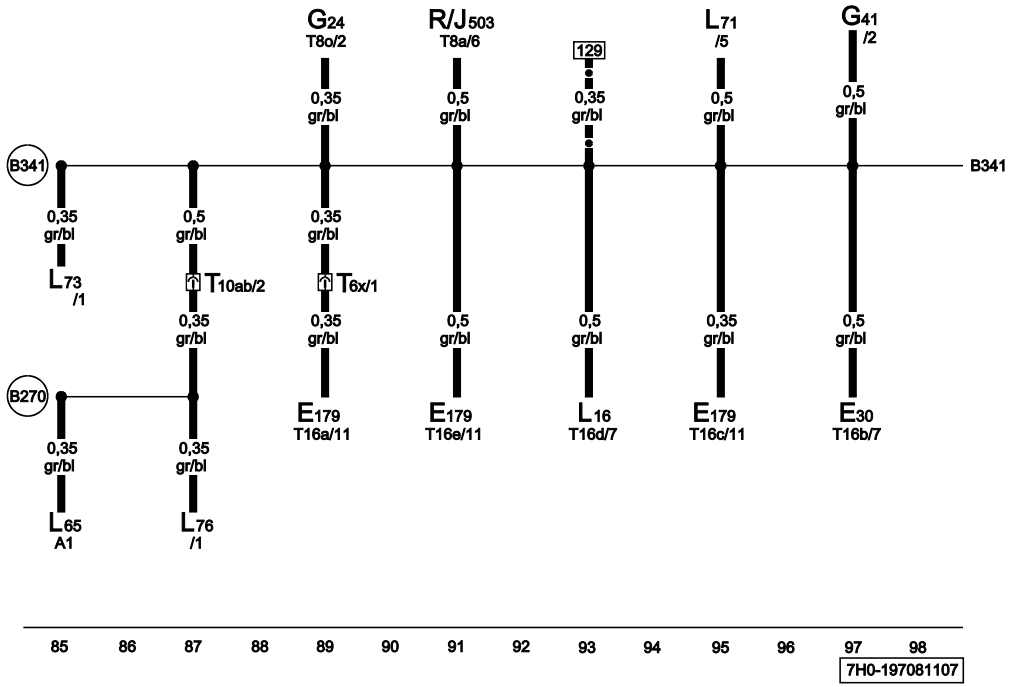
Fuses SB23

B	Starter
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models without electric interface only
**	for models with electric interface only
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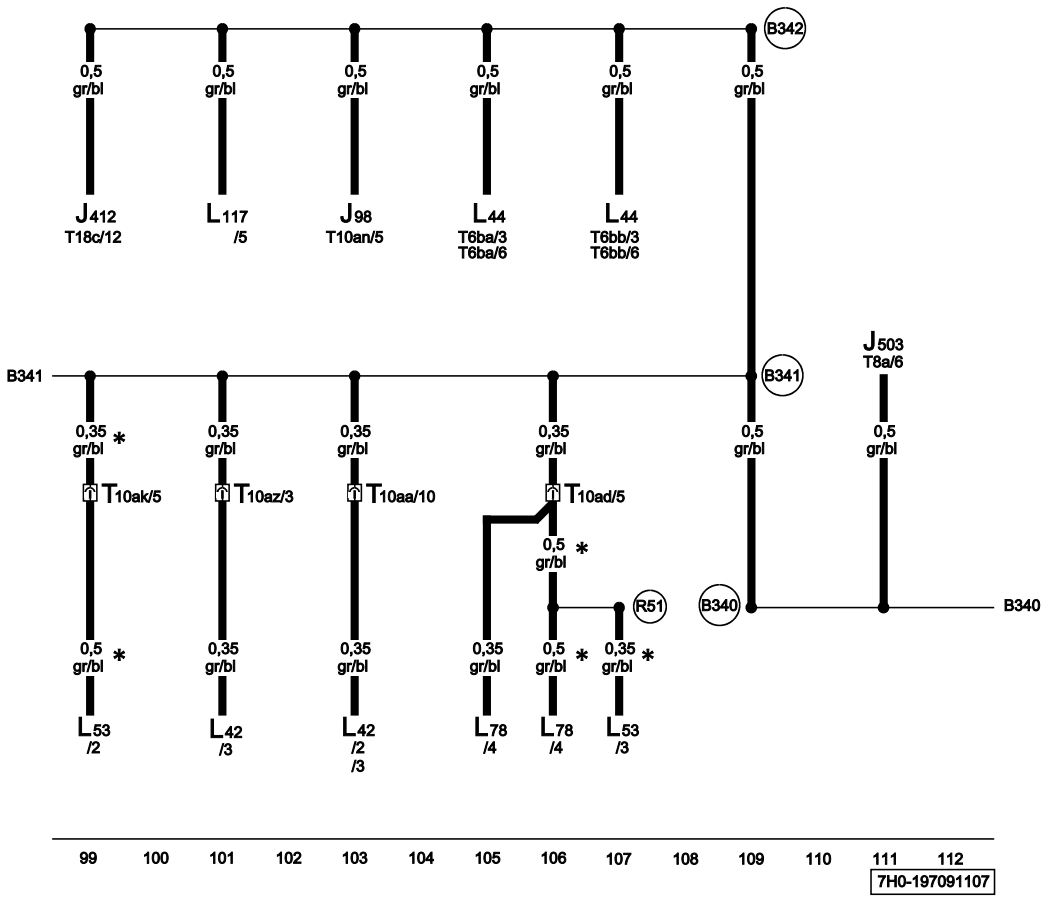


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G24	Tachograph
G41	Taxi meter
J503	Control unit with display for radio and navigation system
L16	Fresh air regulator illumination bulb
L65	Sliding sunroof switch illumination bulb
L71	Traction control switch illumination bulb
L73	Interior light switch illumination bulb (taxi)
L76	Button illumination bulb
R	Radio
T6x	6-pin connector, purple, coupling station under front passenger seat
T8a	8-pin connector, black
T8o	8-pin connector, white
T10ab	10-pin connector, white, coupling station on left of A-pillar
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
B270	Connection (58s), in roof wiring harness
B341	Connection 2 (58d), in main wiring harness

<fo:exter for models without dimming instruments illumination only
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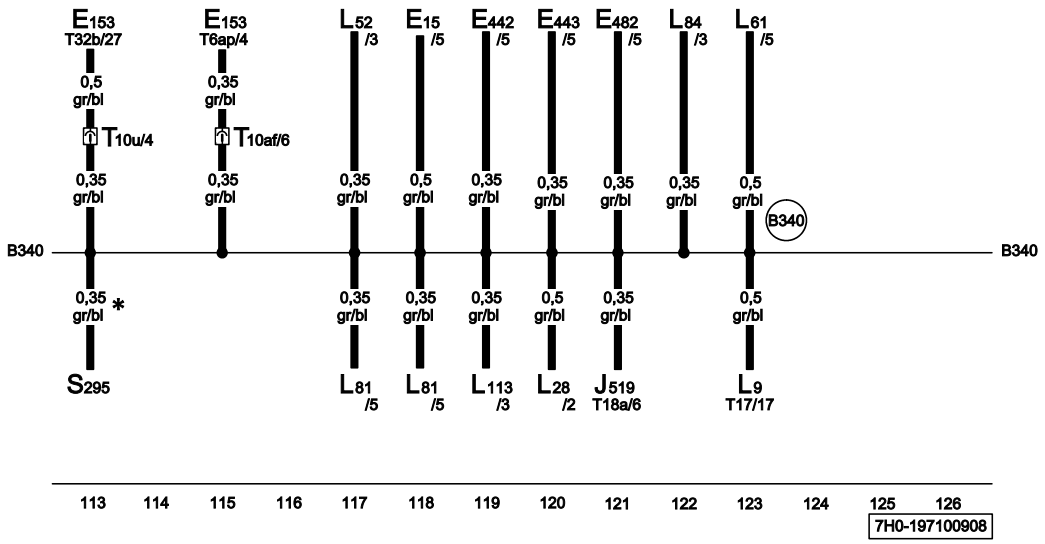
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Illumination

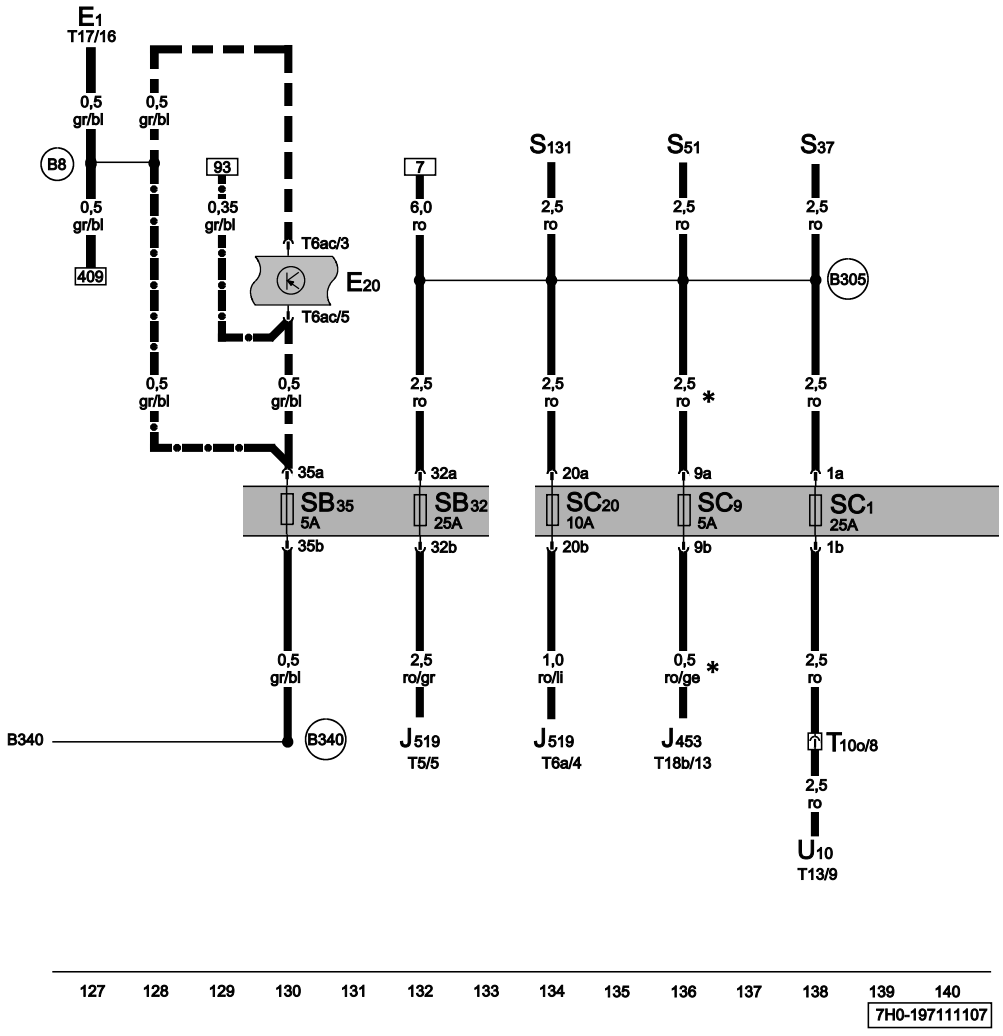
J98	Gearshift indicator control unit
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
L42	Socket illumination bulb
L44	Seat heating switch illumination bulb
L53	Window regulator switch illumination bulb
L78	Mirror adjustment switch illumination bulb
L117	Parking aid switch illumination bulb
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10an	10-pin connector, black
T10az	10-pin connector, white, coupling station under front passenger seat
T18c	18-pin connector, VDA connection
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	applicable from August 2006

Illumination and fuse S295

E15	Heated rear window switch
E153	Operating and display unit for camping equipment
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
L9	Light switch illumination bulb
L28	Cigarette lighter illumination bulb
L52	Light connection for fader regulator
L61	Differential lock switch illumination bulb
L81	Roof ventilator switch illumination bulb
L84	Red Cross light switch illumination bulb
L113	Rotating light and siren switch illumination bulb
S295	Special vehicle fuse 5
T6ap	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T17	17-pin connector
T18a	18-pin connector, brown
T32b	32-pin connector, black
B340	Connection 1 (58d), in main wiring harness
*	for models with electric interface only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Fuses S37, S51, S131, SB32, SB35, SC1, SC9 and SC20

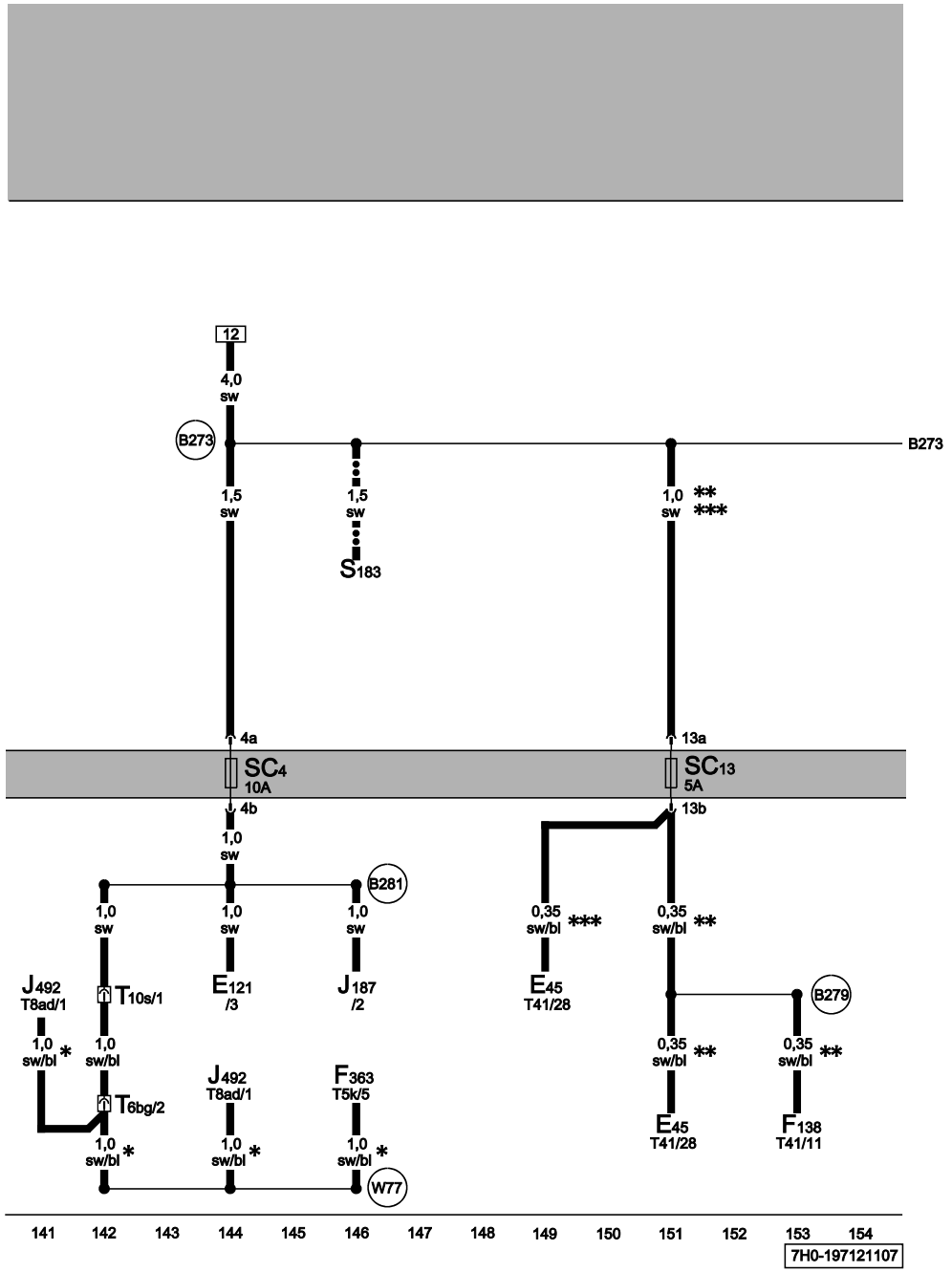
E1	Light switch
E20	Switches and instruments illumination regulator
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
S51	Fuse
S131	Fuse 1
SB32	Fuse 32 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC20	Fuse 20 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T18b	18-pin connector, black
U10	Trailer socket
B8	Positive connection (58), in light switch wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only

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for models with dimming instruments illumination only

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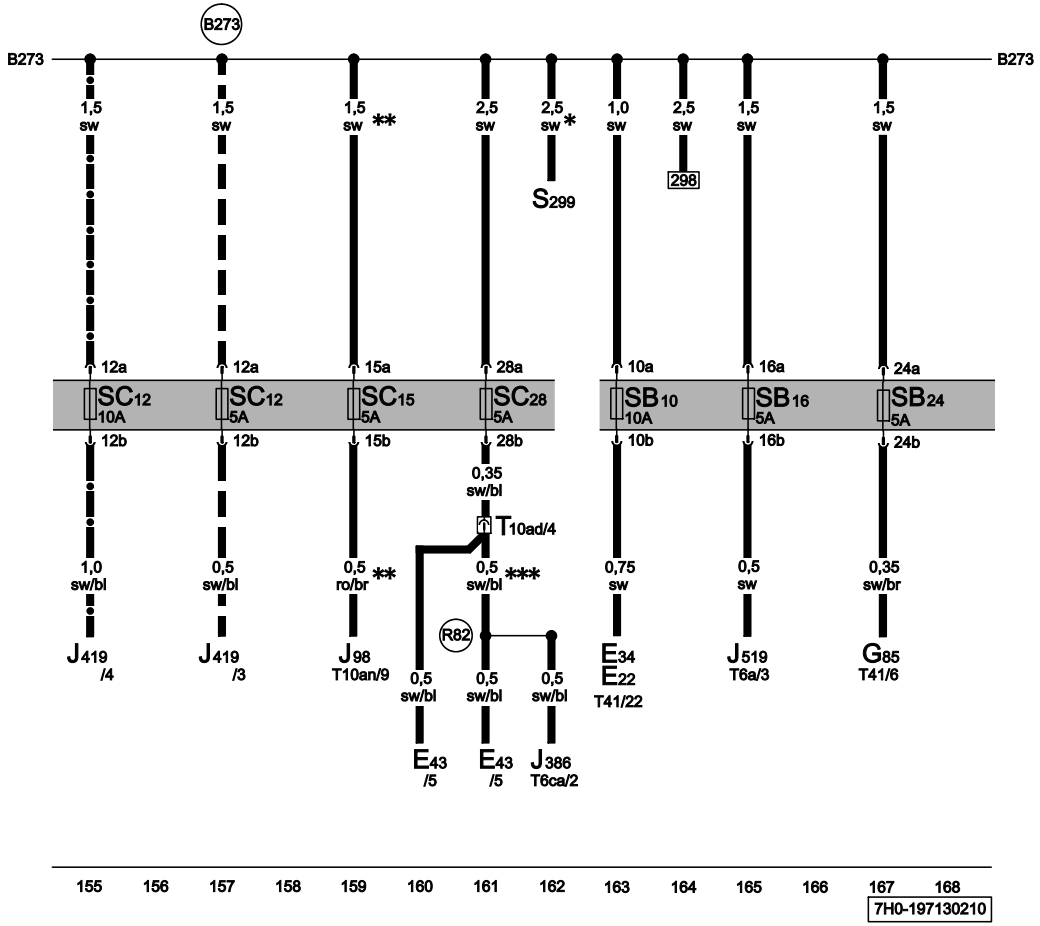


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S183, SC4 and SC13

E45	Cruise control system switch
E121	Rear differential lock switch
F138	Airbag coil connector and return spring with slip ring
F363	Rear differential lock vacuum switch
J187	Differential lock control unit
J492	Four-wheel drive control unit
S183	Taxi meter and alarm system fuse
SC4	Fuse 4 on fuse holder C
SC13	Fuse 13 on fuse holder C
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	depends on equipment
**	for models with operating unit in steering wheel for radio and CCS only
***	for models with cruise control system only

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for models with taxi equipment only



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Fuses S299, SB10, SB16, SB24, SC12, SC15 and SC28

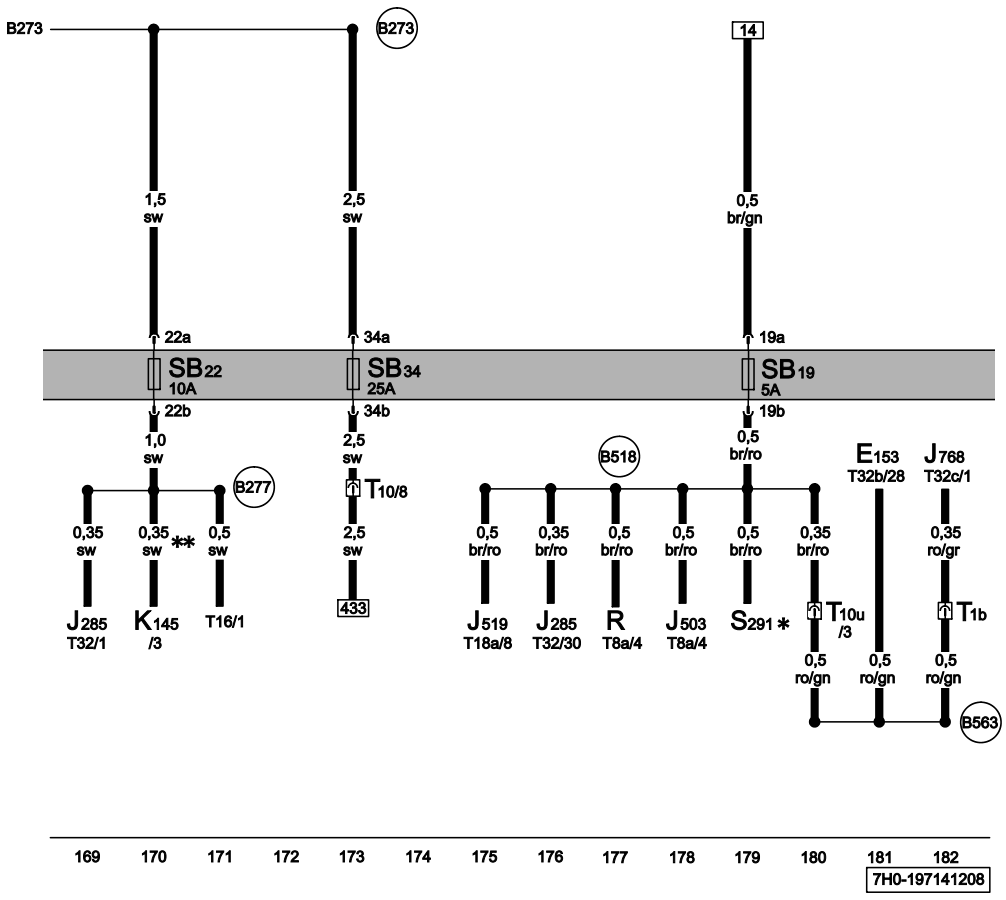
E22	Intermittent wiper switch
E34	Rear wiper switch
E43	Mirror adjustment switch
G85	Steering angle sender
J98	Gearshift indicator control unit
J386	Driver door control unit
J419	Brake light additional relay
J519	Onboard supply control unit
S299	Special vehicle fuse 9
SB10	Fuse 10 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB24	Fuse 24 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T6ca	6-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	for models with electric interface only
**	for models with automatic gearbox only
***	applicable from August 2006

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for models with ABS and ESP only

only models with ABS and serial trailer towing coupling

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rs	=	pink

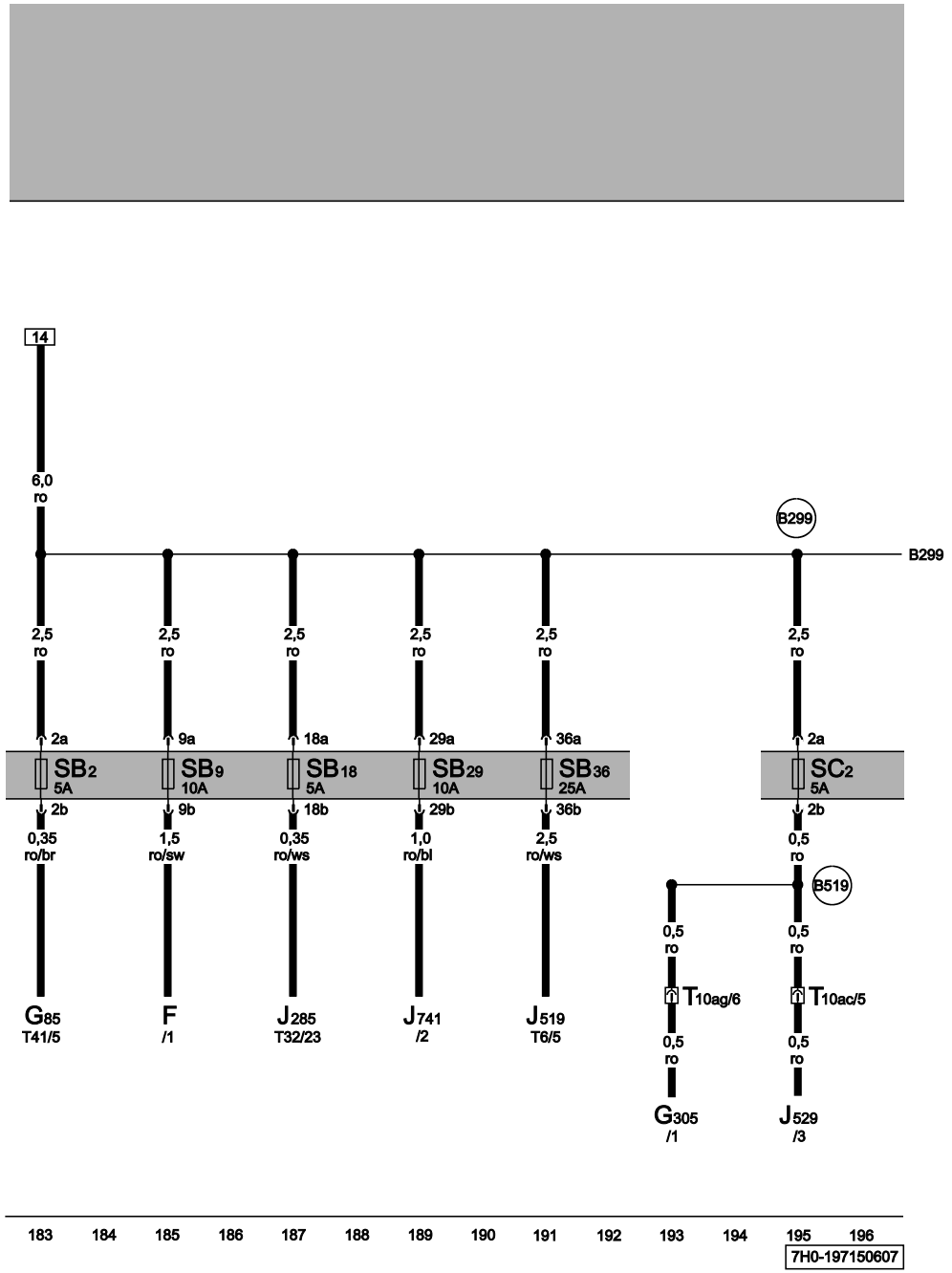
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or = orange
rs = pink

Fuses S291, SB19, SB22 and SB34

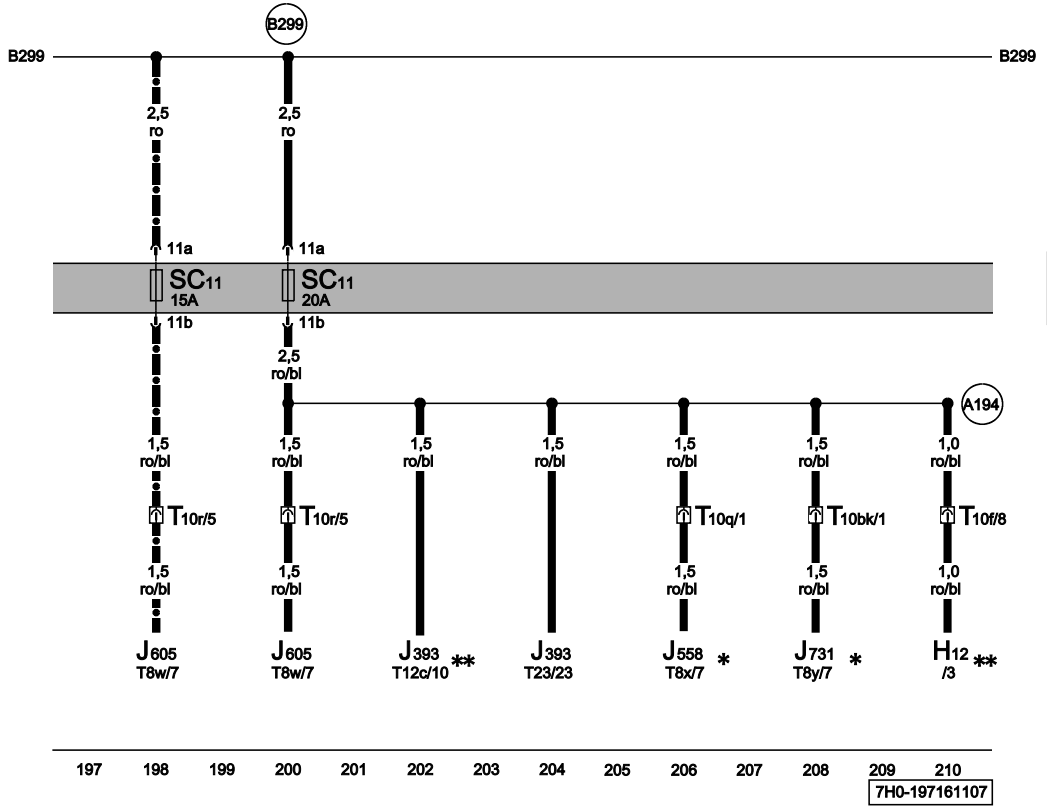
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J768	Roof hydraulics control unit
K145	Front passenger side airbag deactivated warning lamp
R	Radio
S291	Special vehicle fuse 1
SB19	Fuse 19 on fuse holder B
SB22	Fuse 22 on fuse holder B
SB34	Fuse 34 on fuse holder B
T1b	Single connector, grey, near roof hydraulics control unit
T8a	8-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10u	10-pin connector, blue, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
T32c	32-pin connector, black
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	for models with electric interface only
**	for models with key operated switch to deactivate front passenger side airbag only



ws = white
sw = black
ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB2, SB9, SB18, SB29, SB36 and SC2

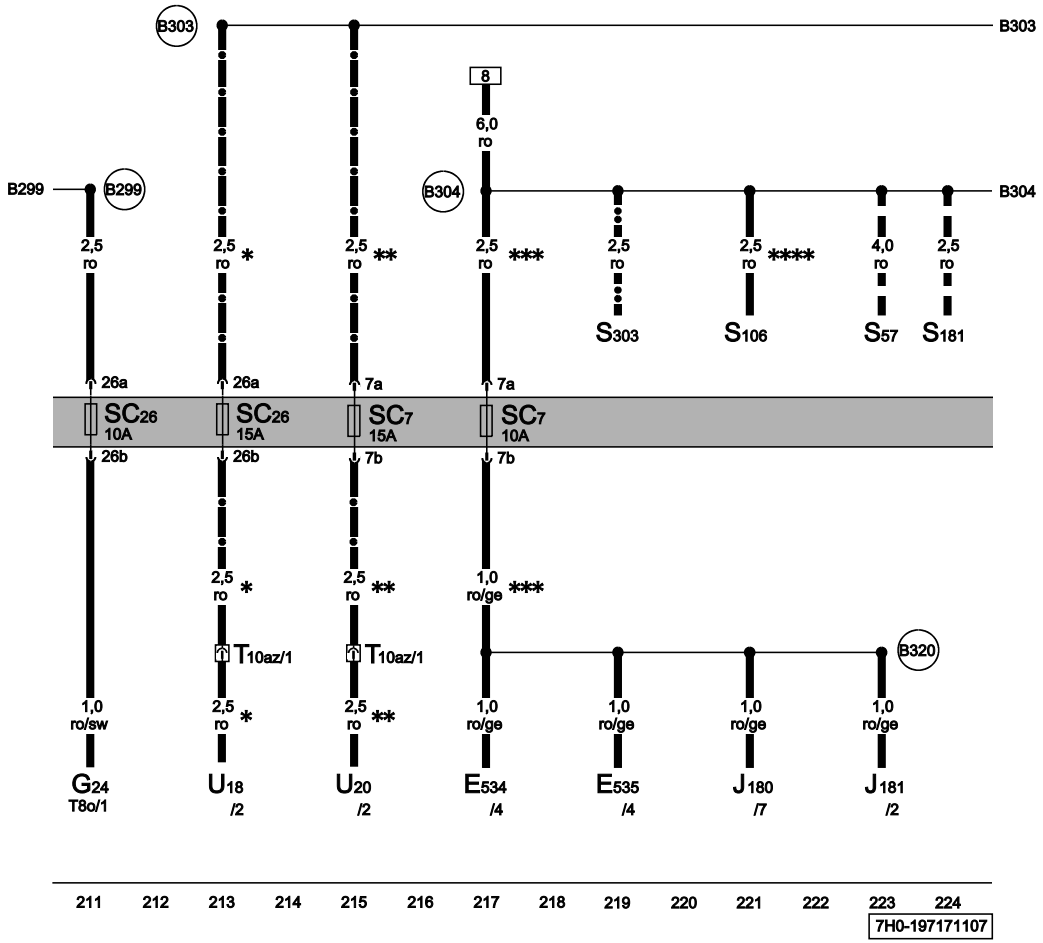
F	Brake light switch
G85	Steering angle sender
G305	Interior monitor send and receive module 2
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J741	Dual signal inverter relay
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB29	Fuse 29 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
T6	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T32	32-pin connector, blue
T41	41-pin connector
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse SC11

H12	Alarm horn
J393	Convenience system central control unit
J558	Left sliding door control unit
J605	Rear lid control unit
J731	Right sliding door control unit
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T8x	8-pin connector, black, coupling station left D-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12c	12-pin connector
T23	23-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with power latching system, without electric sliding door only
**	for models with anti-theft alarm system only
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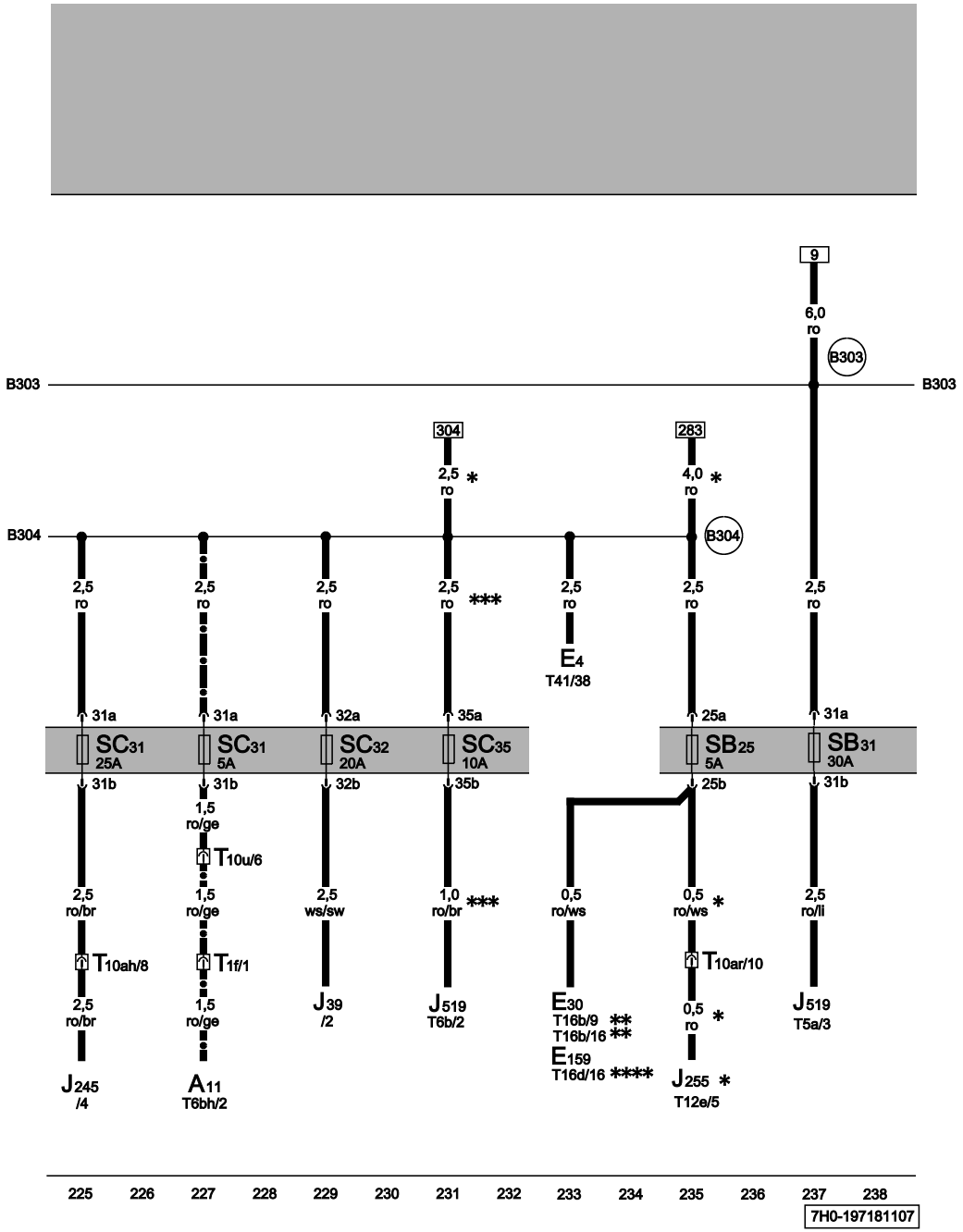
Fuses S57, S106, S181, S303, SC7 and SC26

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
G24	Tachograph
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
S57	Alarm system fuse
S106	Rotating light fuse
S181	Taxi alarm system 2 fuse
S303	Special vehicle fuse 13
SC7	Fuse 7 on fuse holder C
SC26	Fuse 26 on fuse holder C
T8o	8-pin connector, white
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U20	12 V socket 4
B299	Positive connection 3 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	for business and multivan only
**	for business, multivan, camper and caravelle only
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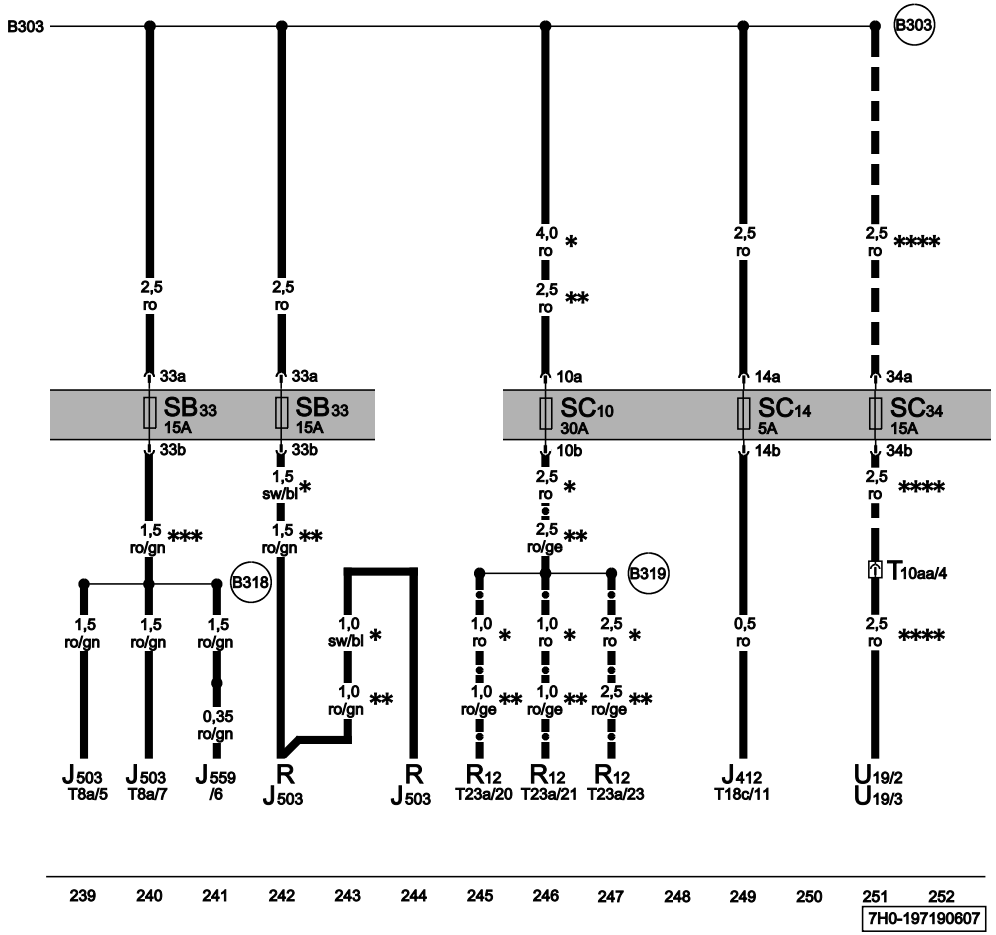
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Fuses SB25, SB31, SC31, SC32 and SC35

A11	Onboard supply charger unit
E4	Headlight dipper/flasher switch
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J255	Climatronic control unit
J519	Onboard supply control unit
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T1f	Single pin connector, black, in lower cupboard
T5a	5-pin connector, brown
T6b	6-pin connector, red
T6bh	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T41	41-pin connector
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with automatic gearbox only
****	for models without air conditioning system only
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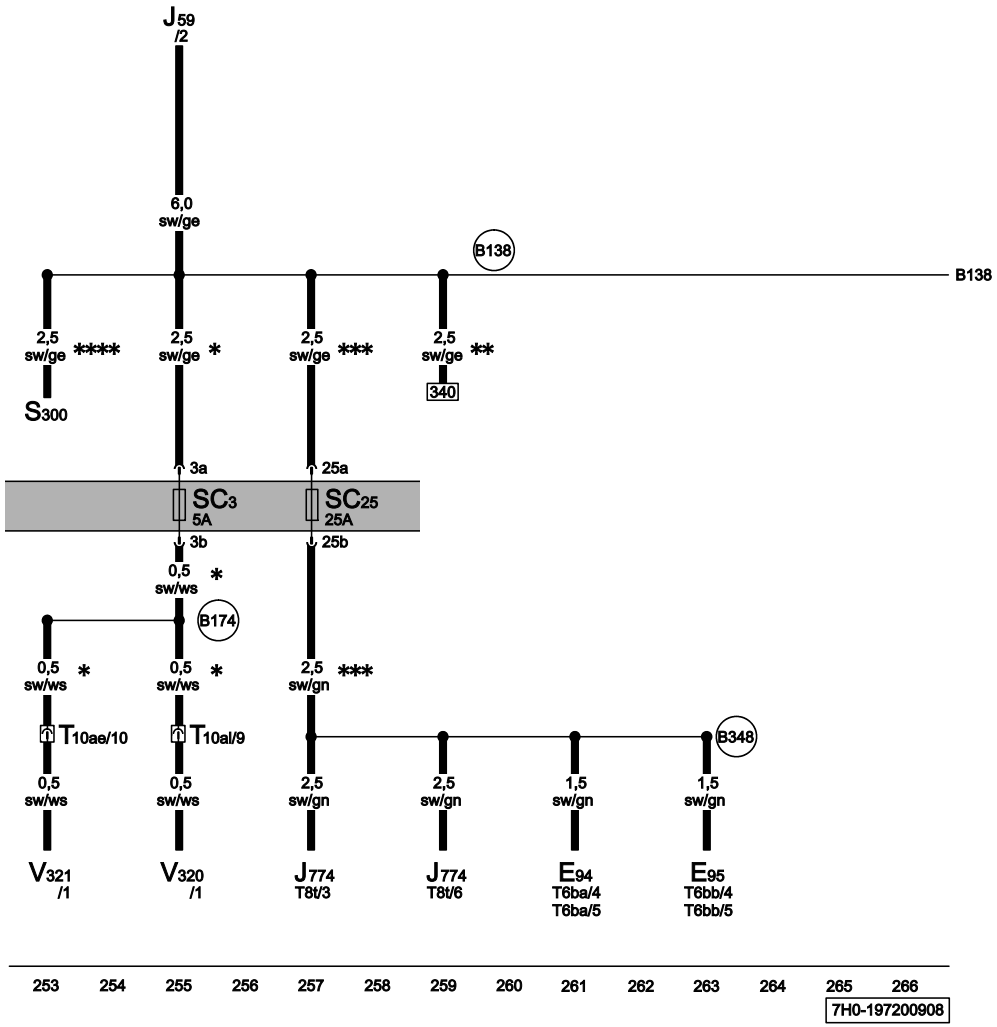
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Fuses SB33, SC10, SC14 and SC34

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J559	Traffic information control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC34	Fuse 34 on fuse holder C
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
U19	12 V socket 3
B303	Positive connection 7 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with radio system only
**	for models with radio navigation system only
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for business, shuttle and caravelle only
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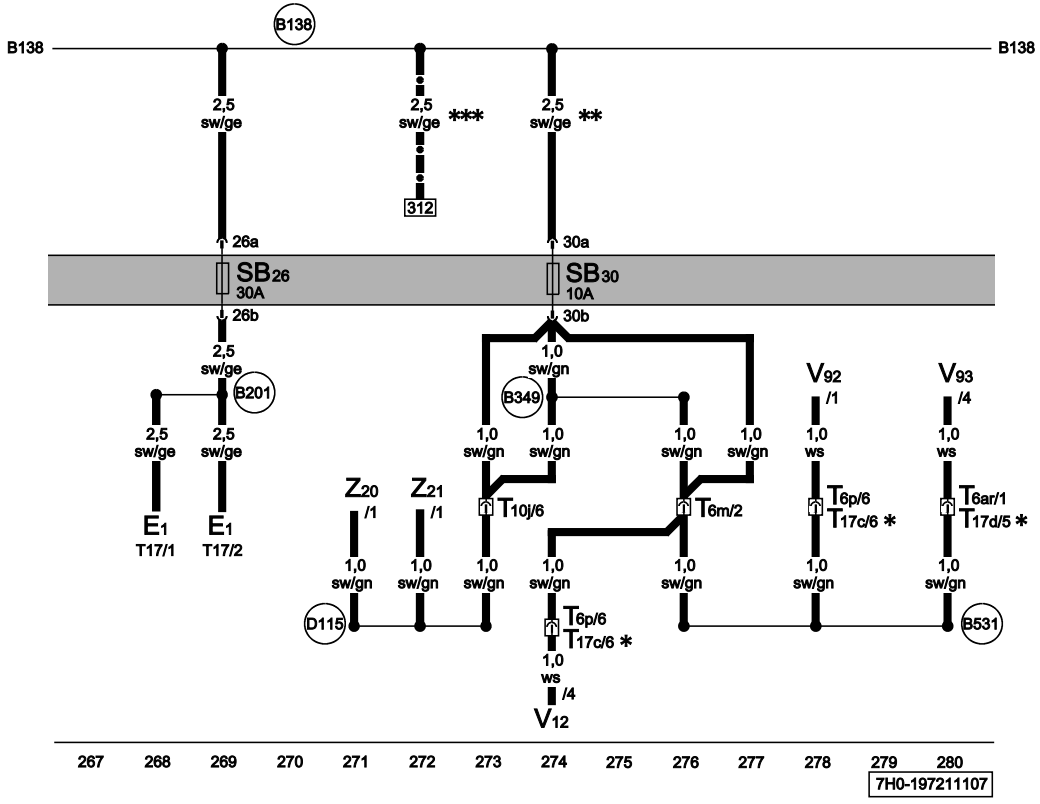
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Fuses S300, SC3 and SC25

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J774	Heated front seats control unit
S300	Special vehicle fuse 10
SC3	Fuse 3 on fuse holder C
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8t	8-pin connector
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
B138	Positive connection (X), in interior wiring harness
B174	Positive connection 3 (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
*	depends on equipment
**	for models with auxiliary coolant heater only
***	for models with seat heating only
****	for models with electric interface only

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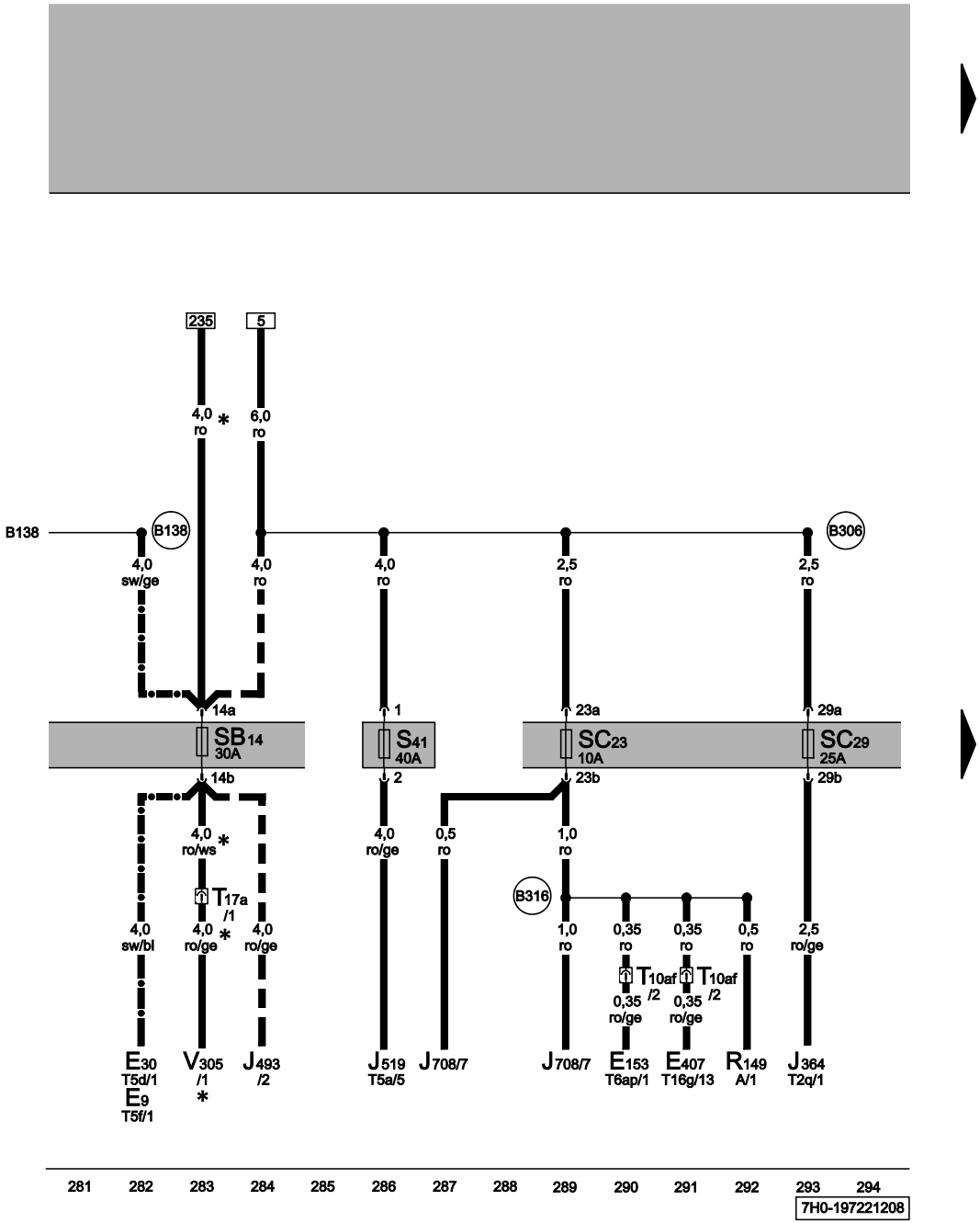


Fuses SB26 and SB30

E1	Light switch
SB26	Fuse 26 on fuse holder B
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6ar	6-pin connector, red, coupling station on right of D-pillar
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T17d	17-pin connector, black, coupling station on right of D-pillar
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B349	Connection 2 (75A), in main wiring harness
B531	Positive connection (75), in roof wiring harness
D115	Connection 13, in engine compartment wiring harness
*	applicable from November 2006
**	depends on equipment
***	for models without air conditioning system only
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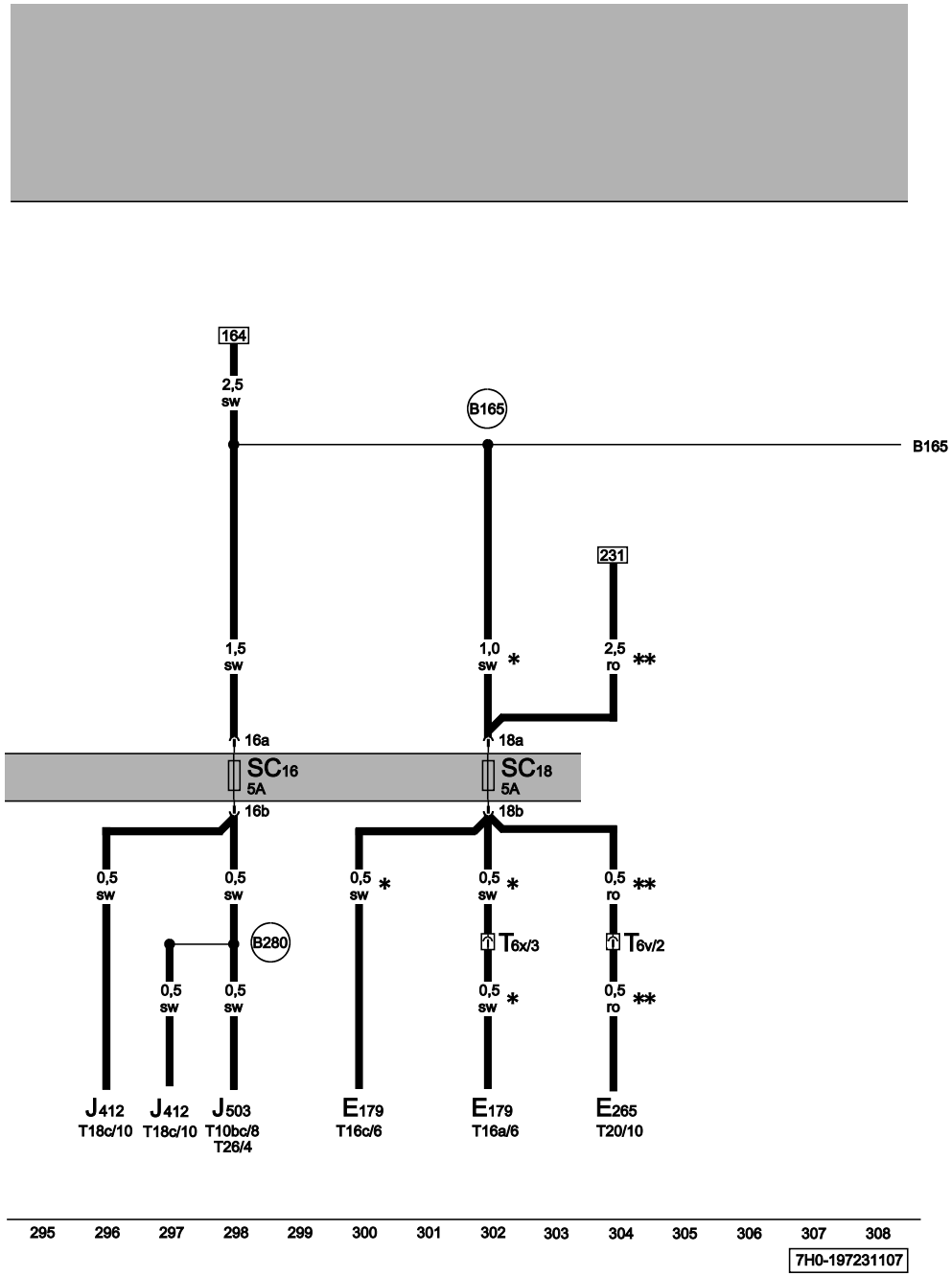
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Fuses S41, SB14, SC23 and SC29

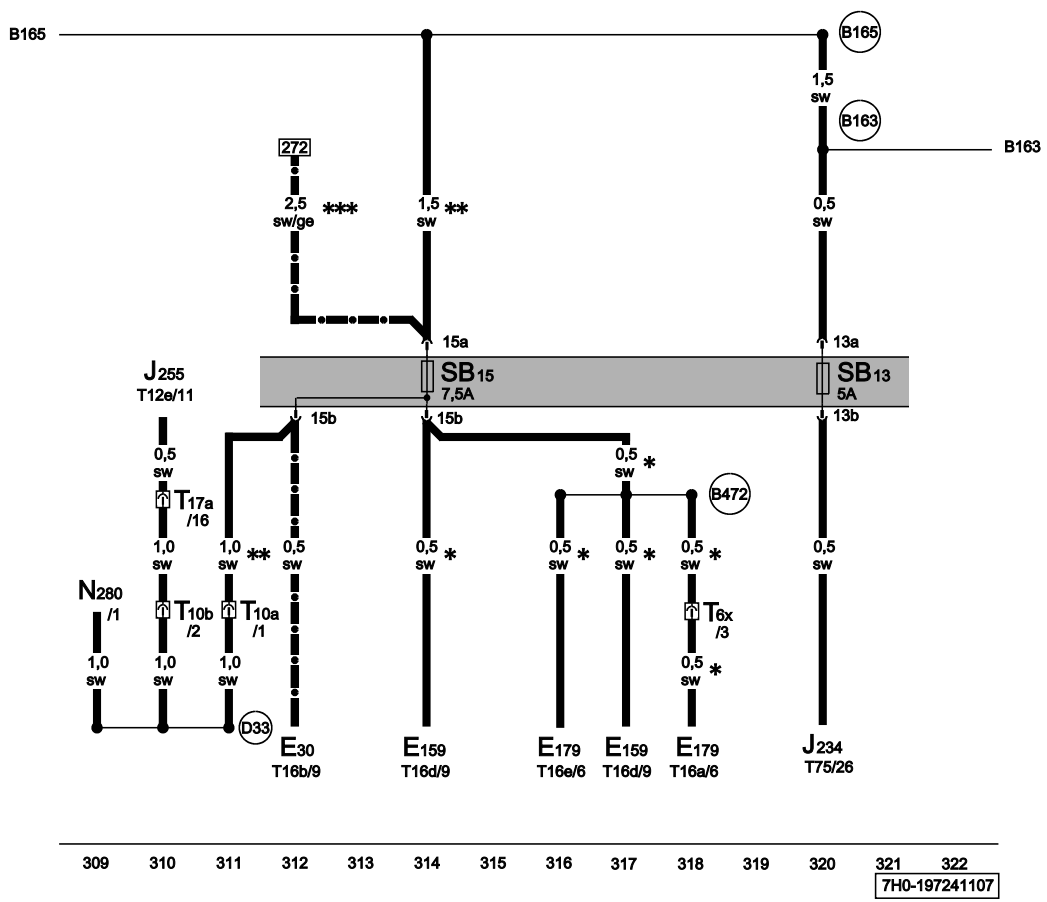
E9	Fresh air blower switch
E30	Air conditioning system switch
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
J708	Residual heat relay
R149	Remote control receiver for auxiliary coolant heater
S41	Heated rear window fuse
SB14	Fuse 14 on fuse holder B
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T5a	5-pin connector, brown
T5d	5-pin connector
T5f	5-pin connector
T6ap	6-pin connector
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	for models with Climatronic only
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<fo:external-graphic src="../	for models without auxiliary coolant heater only



Fuses SC16 and SC18

E179	Rear fresh air blower switch
E265	Operating and display unit for rear Climatronic
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6x	6-pin connector, purple, coupling station under front passenger seat
T10bc	10-pin connector, red
T16a	16-pin connector, black
T16c	16-pin connector, black
T18c	18-pin connector, VDA connection
T20	20-pin connector
T26	26-pin connector
B165	Positive connection 2 (15), in interior wiring harness
B280	Positive connection 4 (15a), in main wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only

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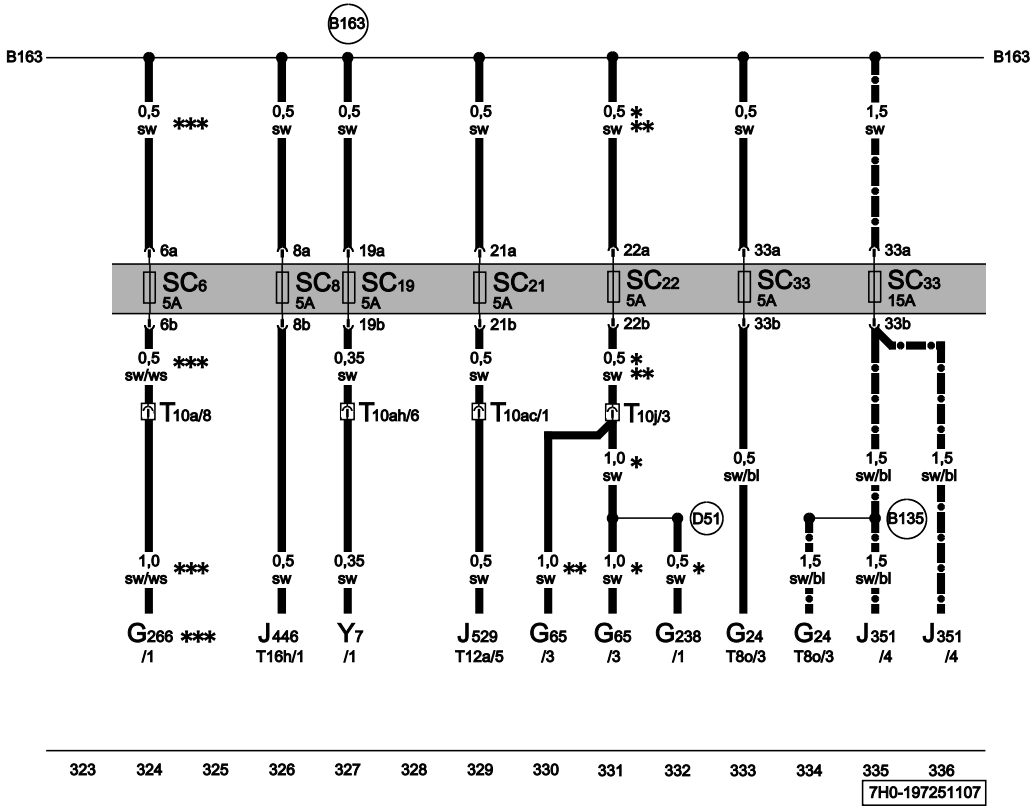


ws = white

Fuses SB13 and SB15

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J255	Climatronic control unit
N280	Air conditioning system compressor regulating valve
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T6x	6-pin connector, purple, coupling station under front passenger seat
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T12e	12-pin connector, black
T16a	16-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	models with heater, depends on equipment only
**	for models with Climatronic and engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models without air conditioning system only
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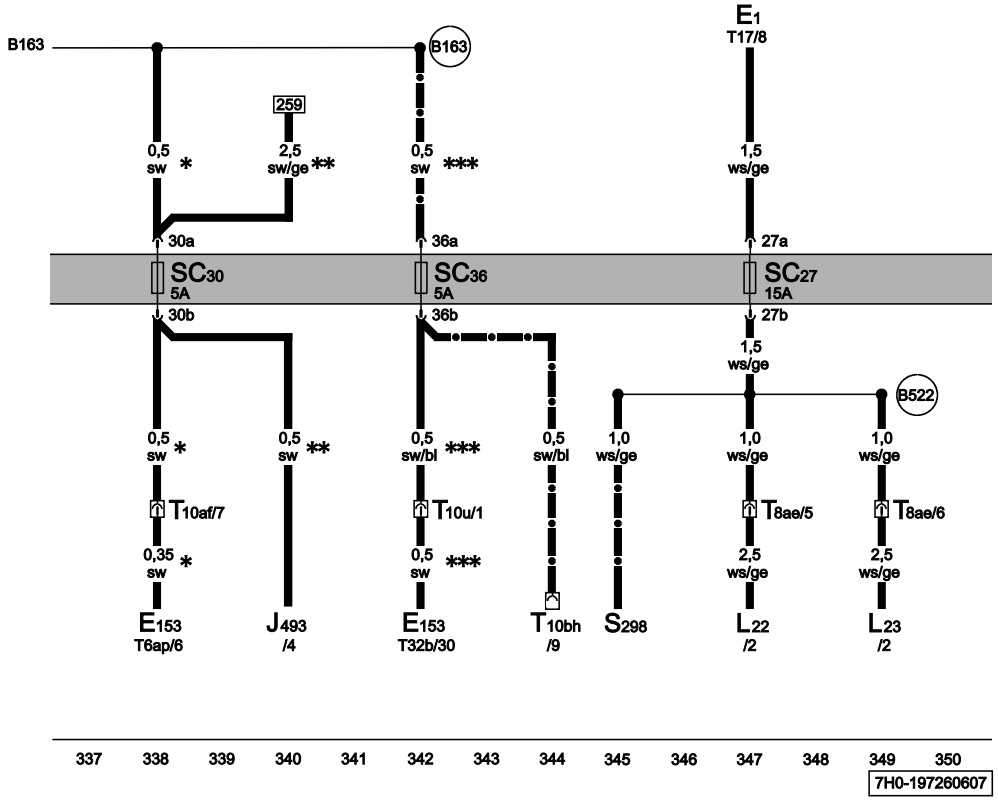


ws = white

Fuses SC6, SC8, SC19, SC21, SC22 and SC33

G24	Tachograph
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J351	Folding exterior mirror control unit
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, brown
Y7	Automatic anti-dazzle interior mirror
B135	Connection 1 (15a), in interior wiring harness
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
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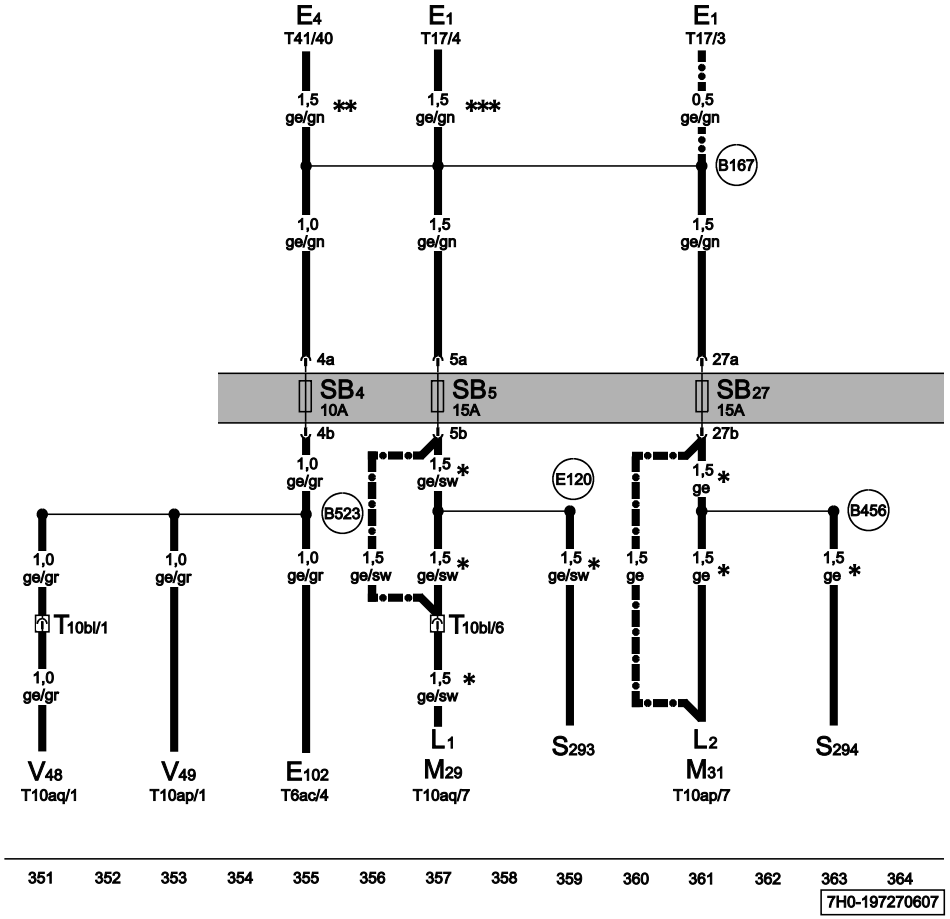


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li = purple
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rs = pink

Fuses S298, SC27, SC30 and SC36

E1	Light switch
E153	Operating and display unit for camping equipment
J493	Auxiliary coolant heater relay
L22	Left fog light bulb
L23	Right fog light bulb
S298	Special vehicle fuse 8
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6ap	6-pin connector
T8ae	8-pin connector, black, near headlight, front right
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T17	17-pin connector
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for Camper with auxiliary air heater only
**	for models with auxiliary coolant heater only
***	for camper only

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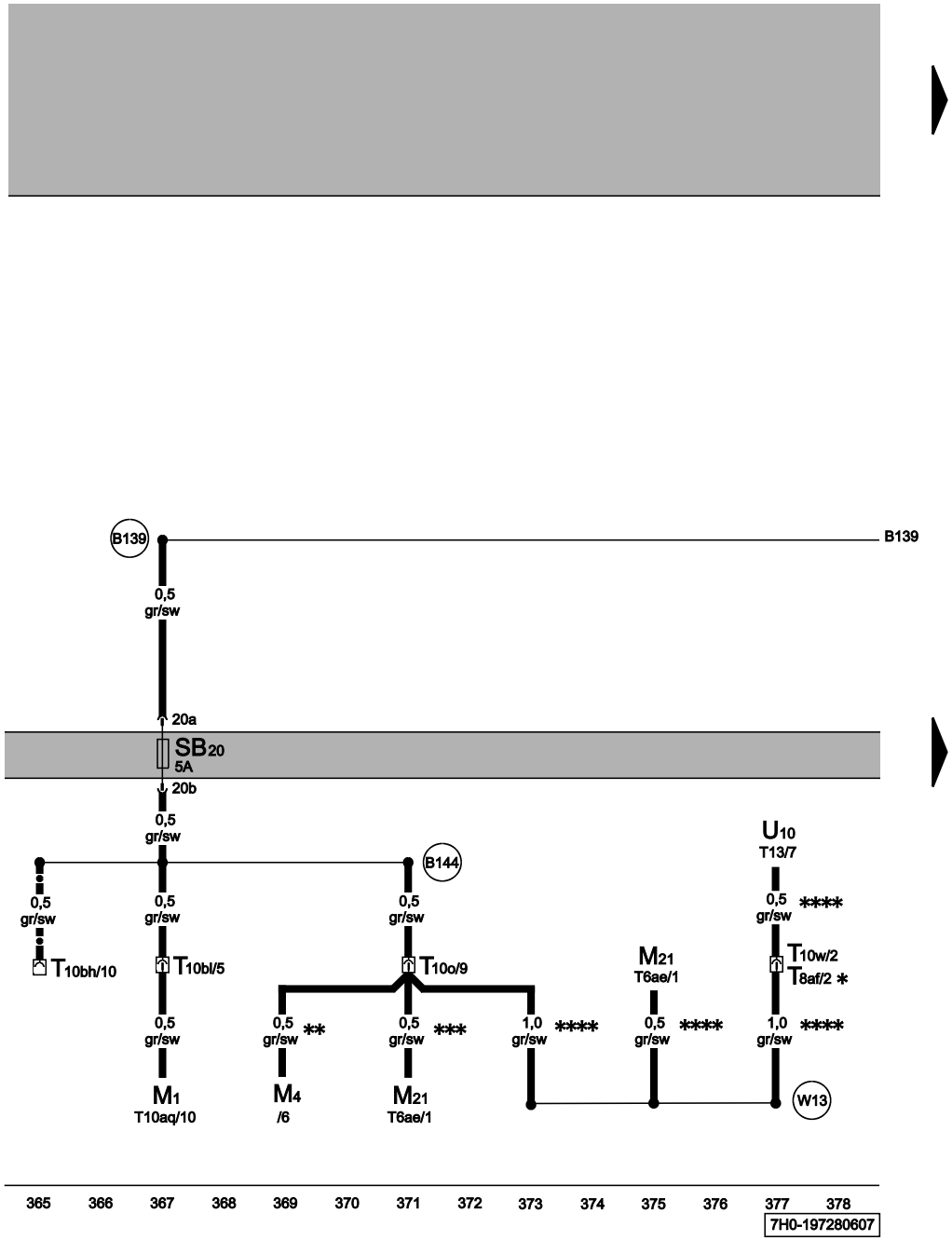
Fuses S293, S294, SB4, SB5 and SB27

E1	Light switch
E4	Headlight dipper/flasher switch
E102	Headlight range control regulator
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M29	Left dipped beam bulb
M31	Right dipped beam bulb
S293	Special vehicle fuse 3
S294	Special vehicle fuse 4
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB27	Fuse 27 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector
T10aq	10-pin connector
T10bl	10-pin connector, black, near front right headlight
T17	17-pin connector
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B523	Connection (56, HRC), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with electric interface only
**	applies only to commercial vehicles, multivan classic, camper and shuttle with base level of equipment
***	for multivan, camper Comfortline and caravelle only

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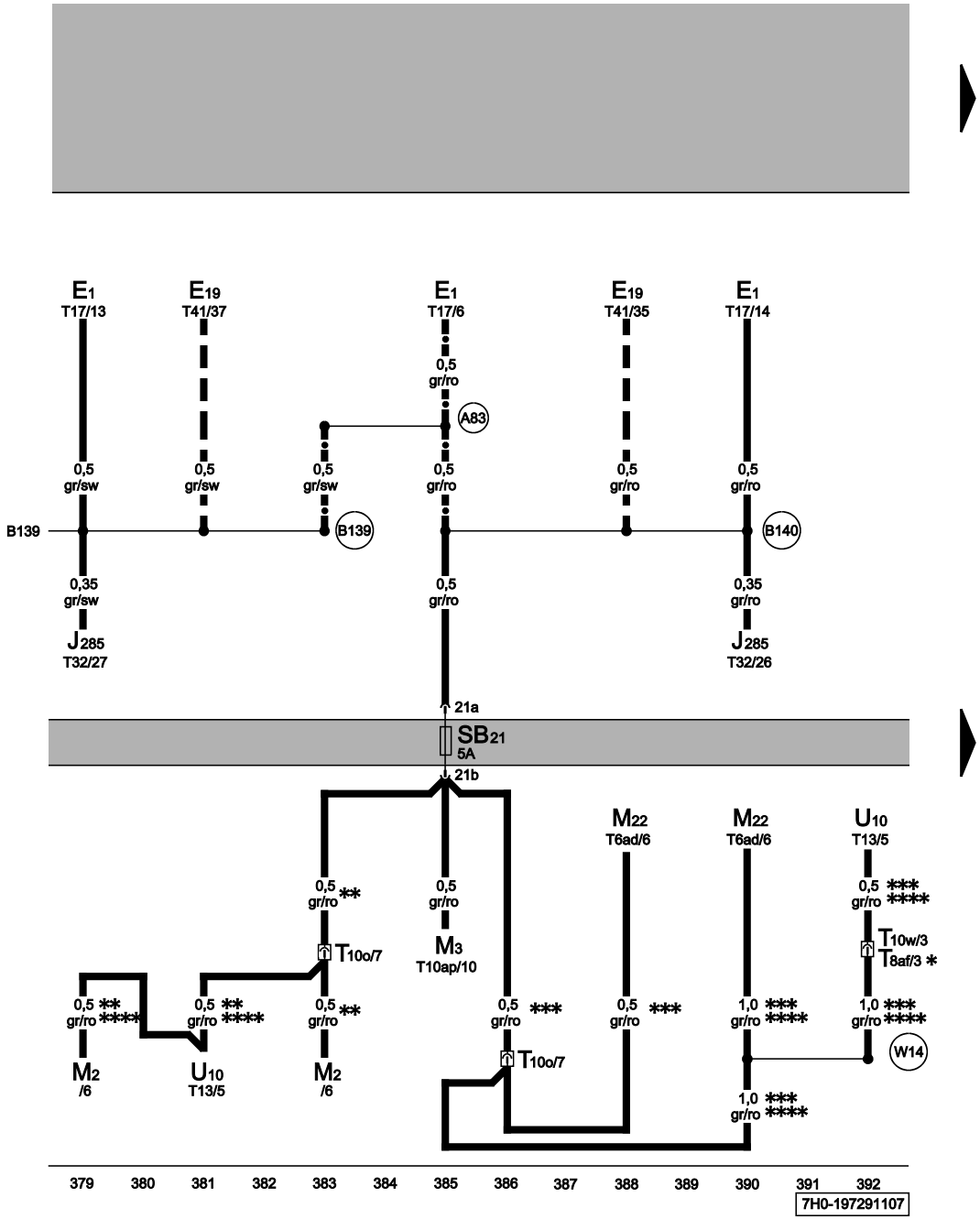
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ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Fuse SB20

M1	Left side light bulb
M4	Left tail light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T13	13-pin connector
U10	Trailer socket
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
W13	Connection (58L), in rear wiring harness
*	applicable from November 2006
**	for models with double cab/ plank bed only
***	for models without trailer operation only
****	for models with trailer operation only
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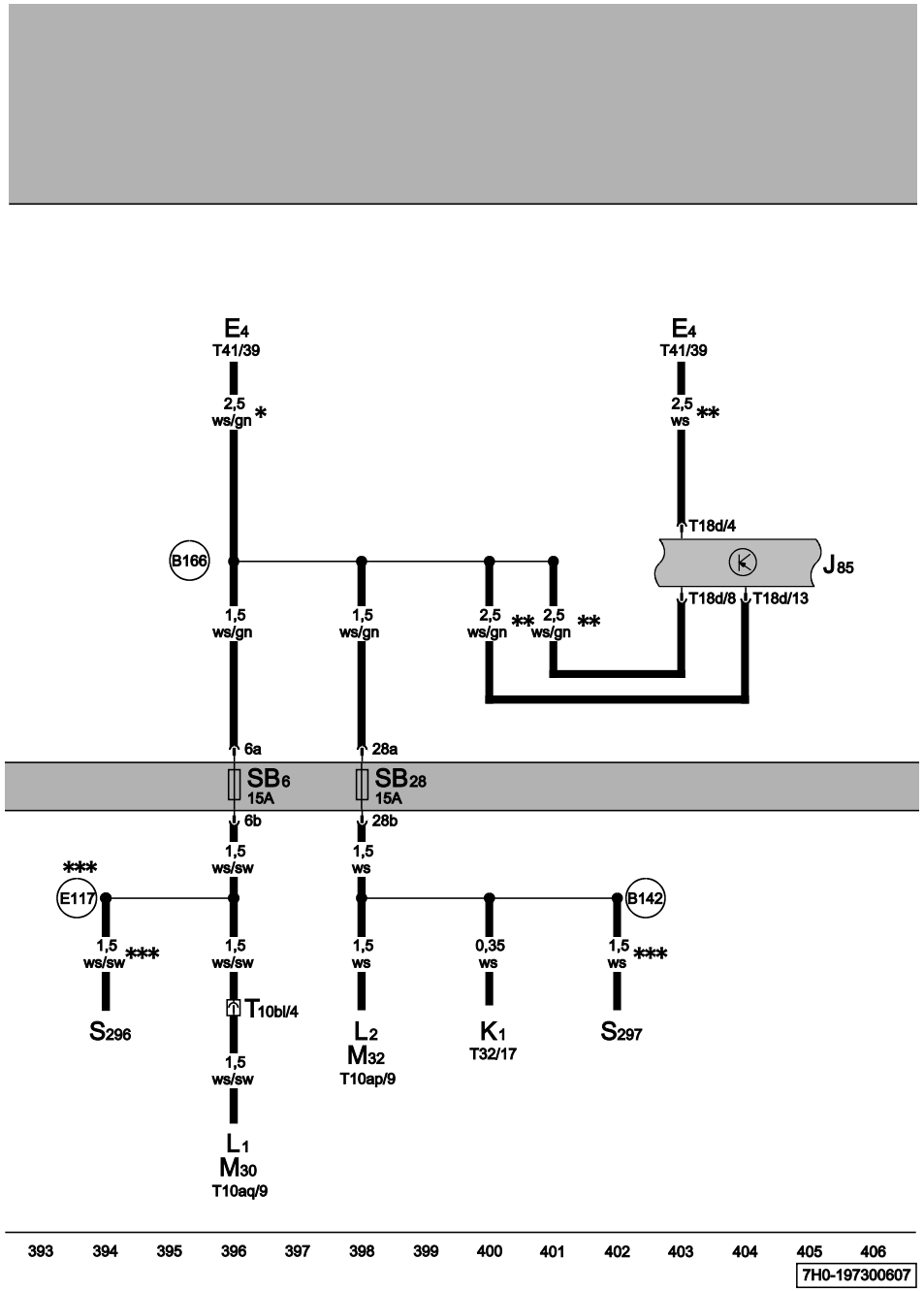
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Fuse SB21

E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M2	Right tail light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10w	10-pin connector, orange, coupling station on left of D-pillar
T10ap	10-pin connector, black, on right of headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
W14	Connection (58R), in rear wiring harness
*	applicable from November 2006
**	for models with double cab/ plank bed only
***	for multivan, box-type delivery van and hybrid vehicle only
****	for models with trailer operation only
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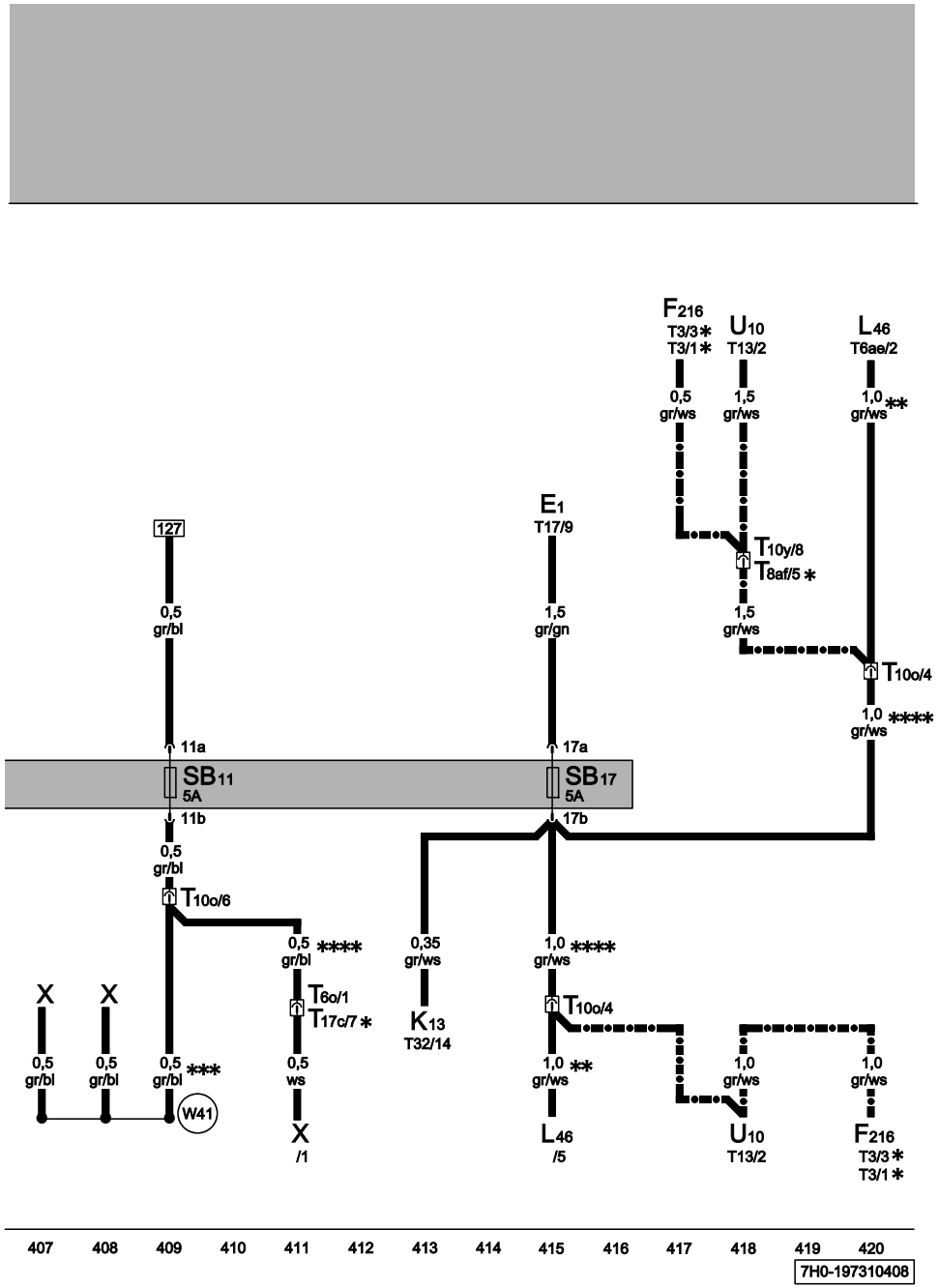
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Fuses S296, S297, SB6 and SB28

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
K1	Main beam warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M32	Right main beam bulb
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T18d	18-pin connector, blue
T32	32-pin connector, blue
T41	41-pin connector
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	for models without taxi equipment only
**	for models with taxi equipment only
***	for models with electric interface only

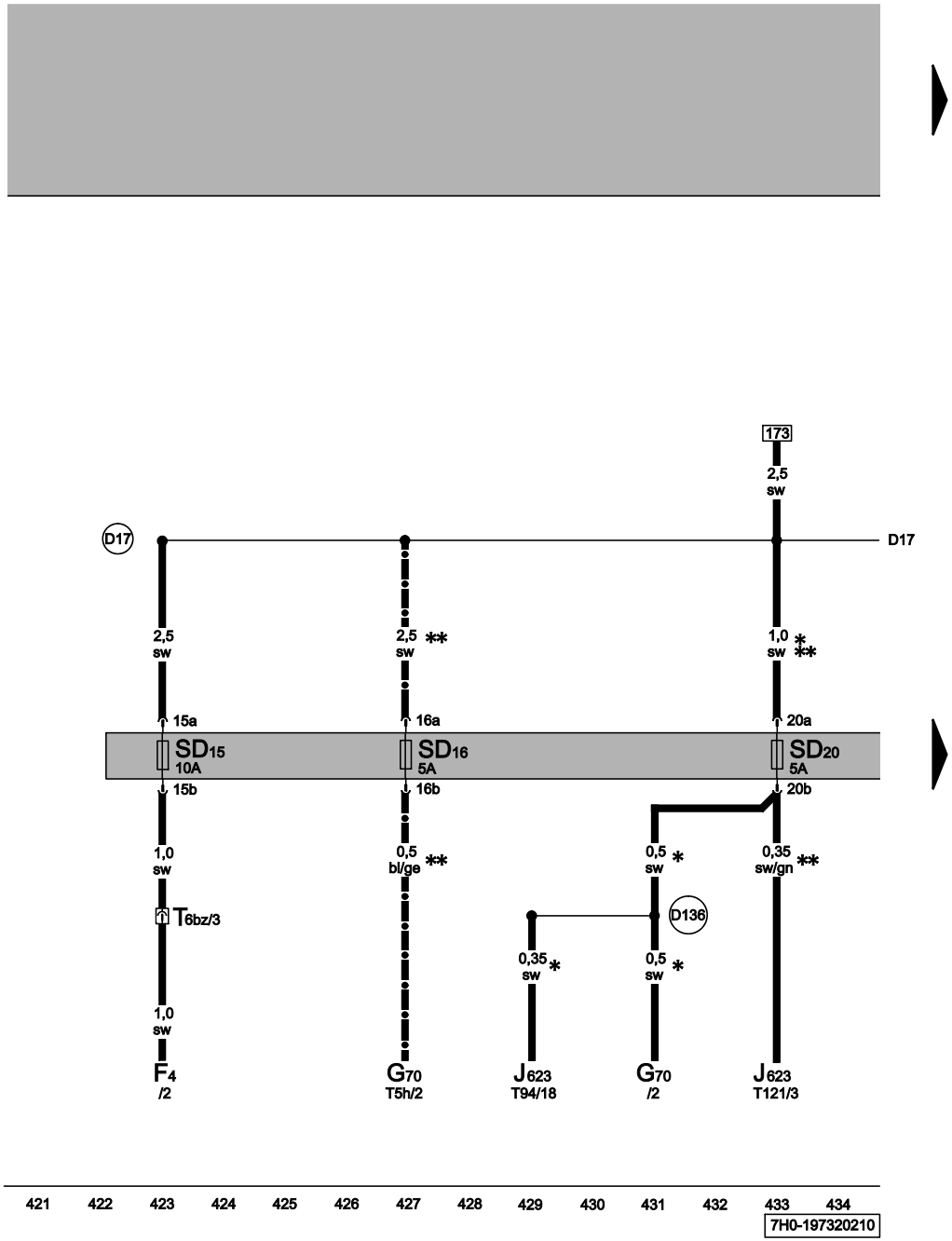
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rs	=	pink



ws = white
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ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Fuses SB11 and SB17

E1	Light switch
F216	Rear fog light cut-out contact switch
K13	Rear fog light warning lamp
L46	Rear left fog light bulb
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6o	6-pin connector, red, coupling station on left of D-pillar
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10y	10-pin connector, yellow, coupling station on left of D-pillar
T13	13-pin connector
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T32	32-pin connector, blue
U10	Trailer socket
X	Number plate light
W41	Positive connection (58), in licence plate lights wiring harness
*	depends on equipment ⇒ Current Flow Diagram trailer operation/tail lights - plank bed
**	for models without trailer operation only
***	for models with double cab/ plank bed only
****	not for double cab and plank bed vehicles
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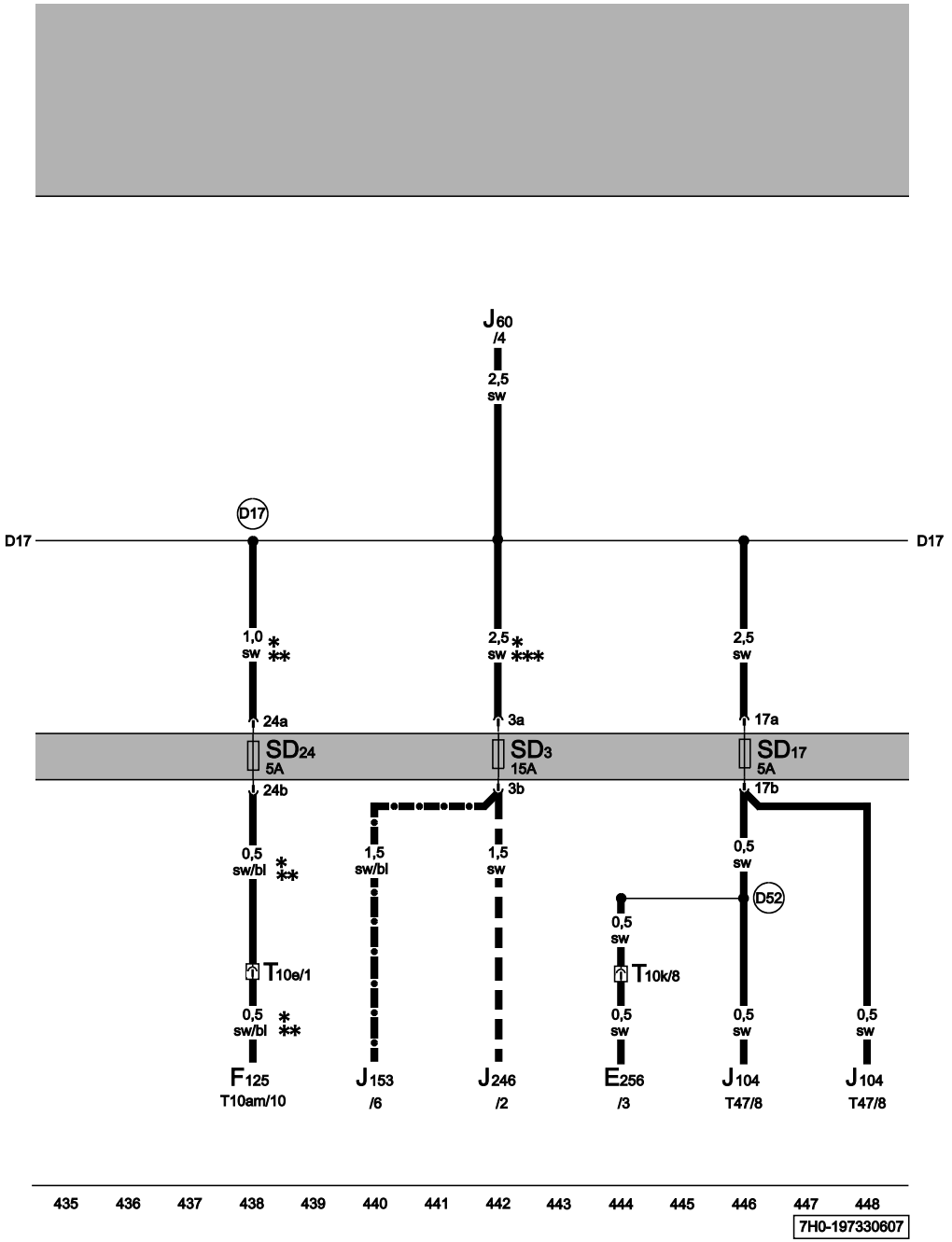


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gr = grey
li = purple
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or = orange
rs = pink

Fuses SD15, SD16 and SD20

F4	Reversing light switch
G70	Air mass meter
J623	Engine control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD20	Fuse 20 on fuse holder D
T5h	5-pin connector, brown
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T94	94-pin connector
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
<fo:exter	for models with engine codes BDL, BDM and BKK only

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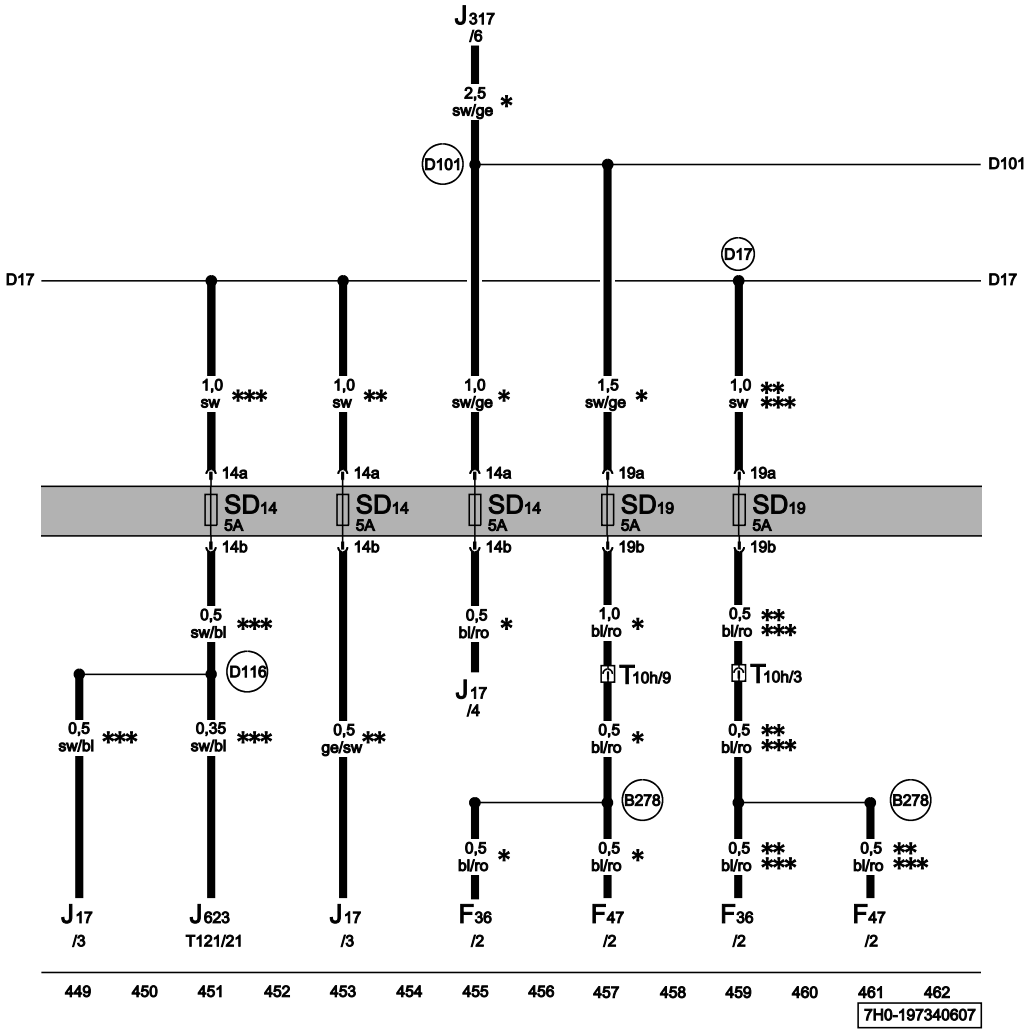
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Fuses SD3, SD17 and SD24

E256	TCS and ESP button
F125	Multifunction switch
J60	Automatic gearbox relay
J104	ABS control unit
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T47	47-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with engine codes AXA, AXB, AXC, BRR and BRS only
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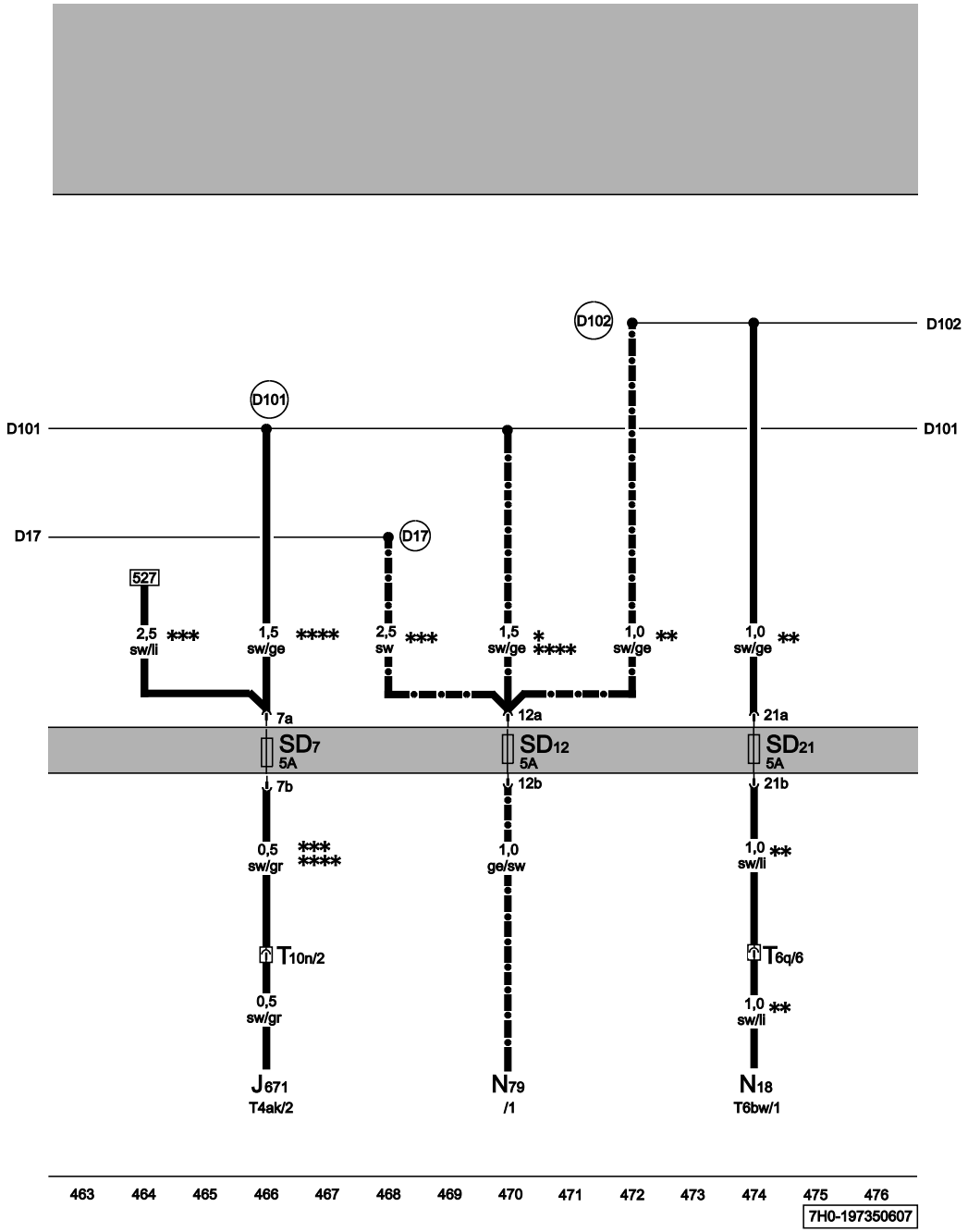
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Fuses SD14 and SD19

F36	Clutch pedal switch
F47	Brake pedal switch
J17	Fuel pump relay
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

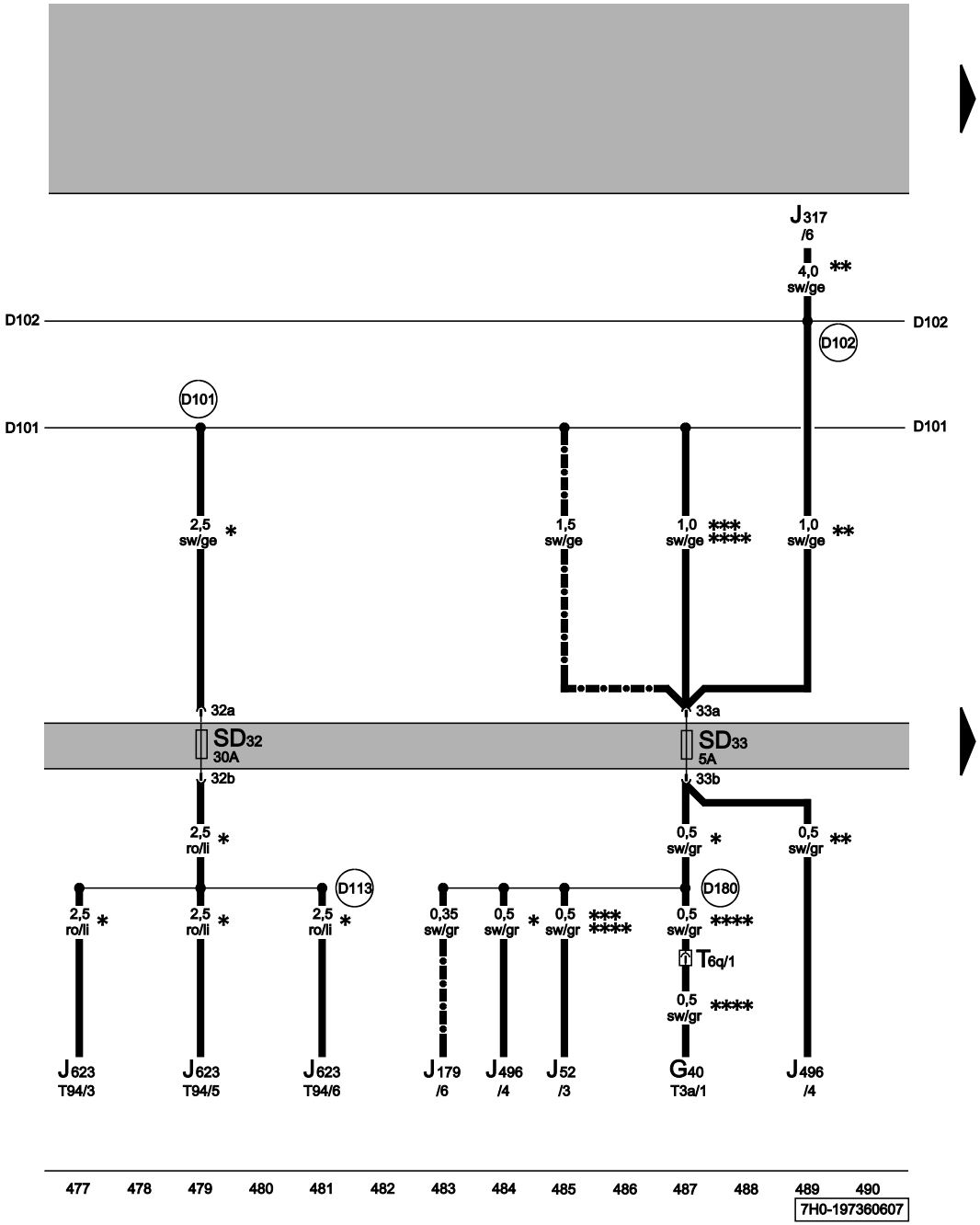
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD7, SD12 and SD21

J671	Radiator fan control unit 2
N18	Exhaust gas recirculation valve
N79	Heater element for crankcase breather
SD7	Fuse 7 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
T4ak	4-pin connector, black, near radiator fan
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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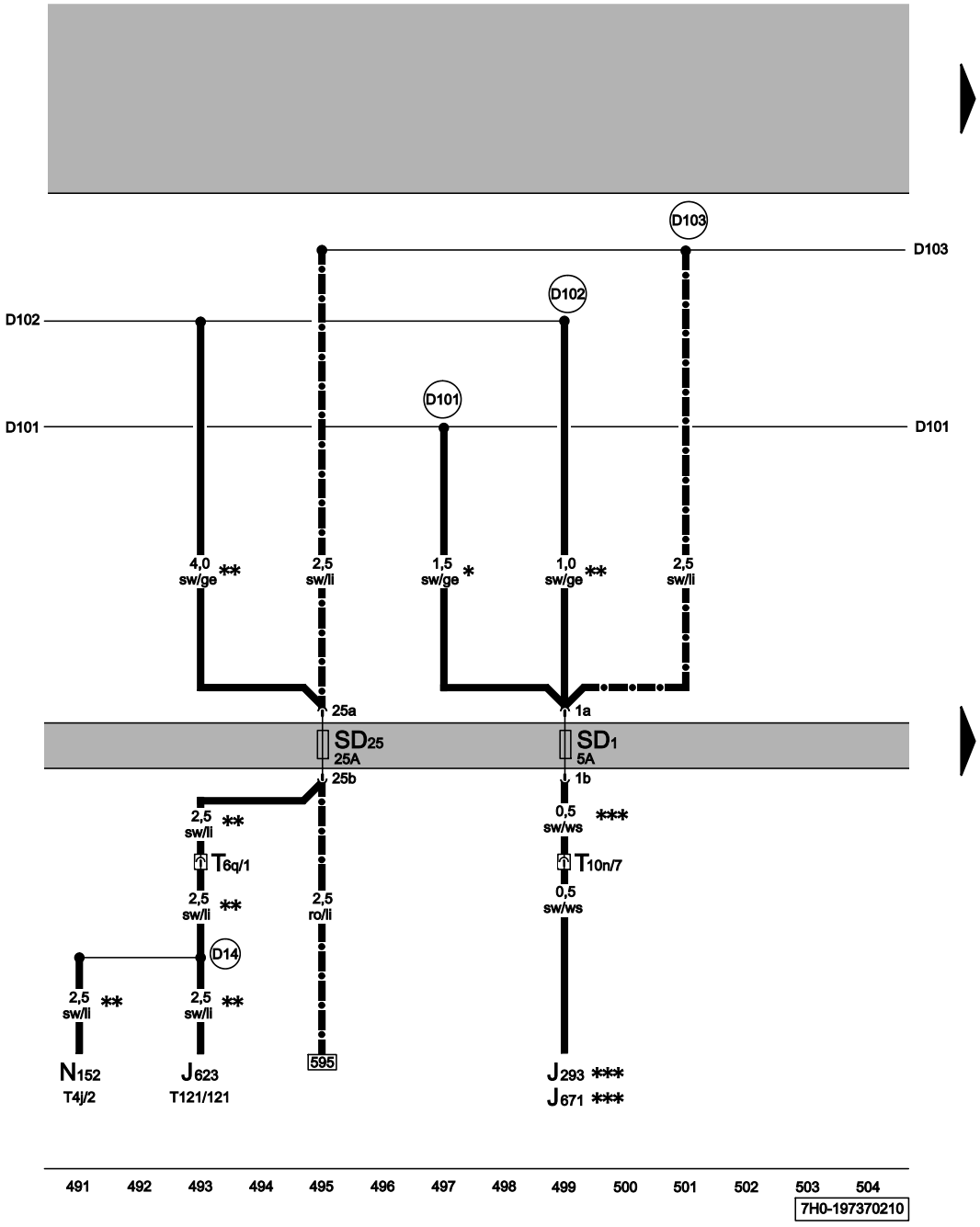


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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD32 and SD33

G40	Hall sender
J52	Glow plug relay
J179	Automatic glow period control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T94	94-pin connector
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	models with engine codes AXD, AXE and BLJ only
****	for models with engine codes AXB and AXC only

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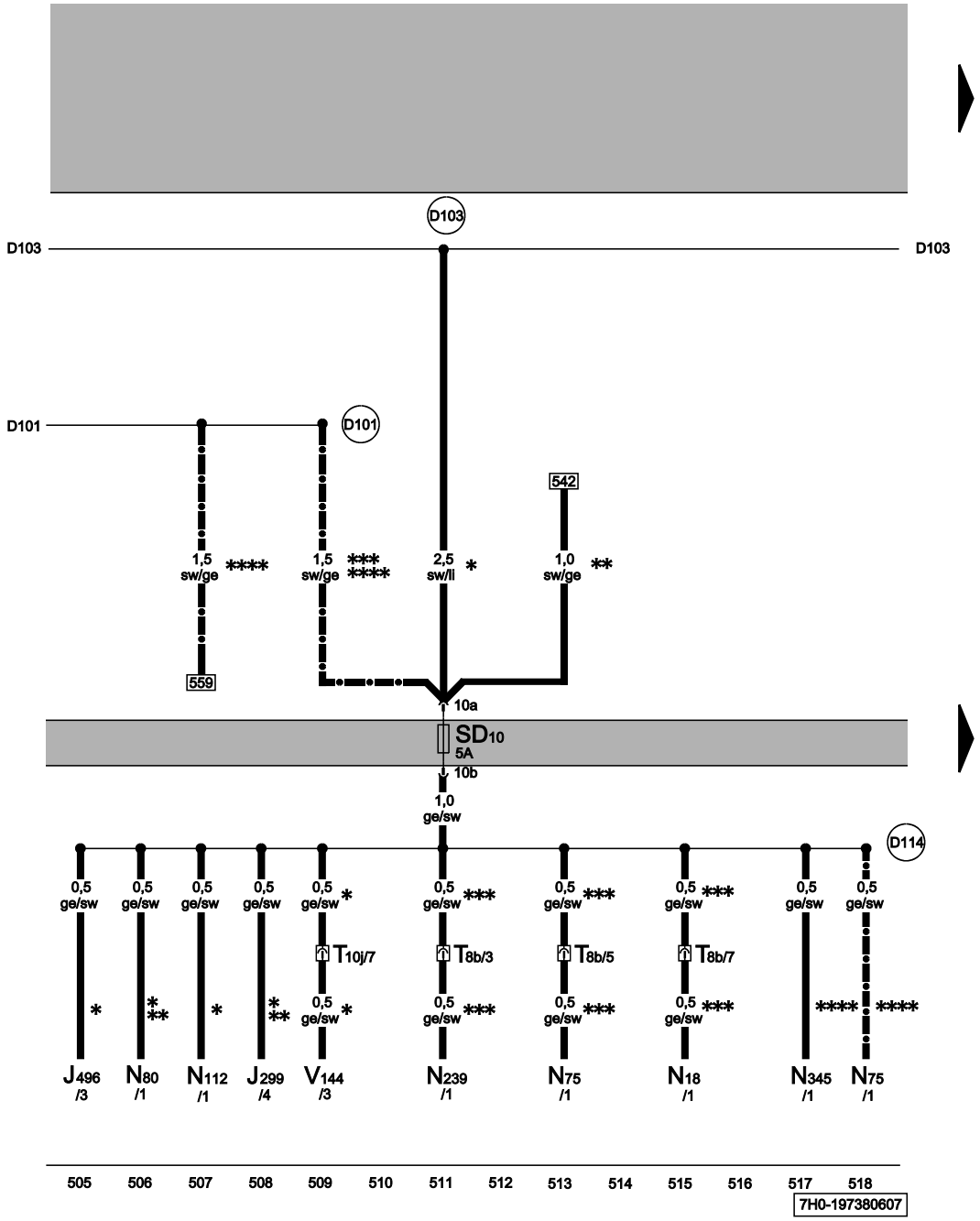


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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD1 and SD25

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N152	Ignition transformer
SD1	Fuse 1 on fuse holder D
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D14	Connection (ignition coil - control unit), in front right wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	⇒ radiator fan Current Flow Diagram
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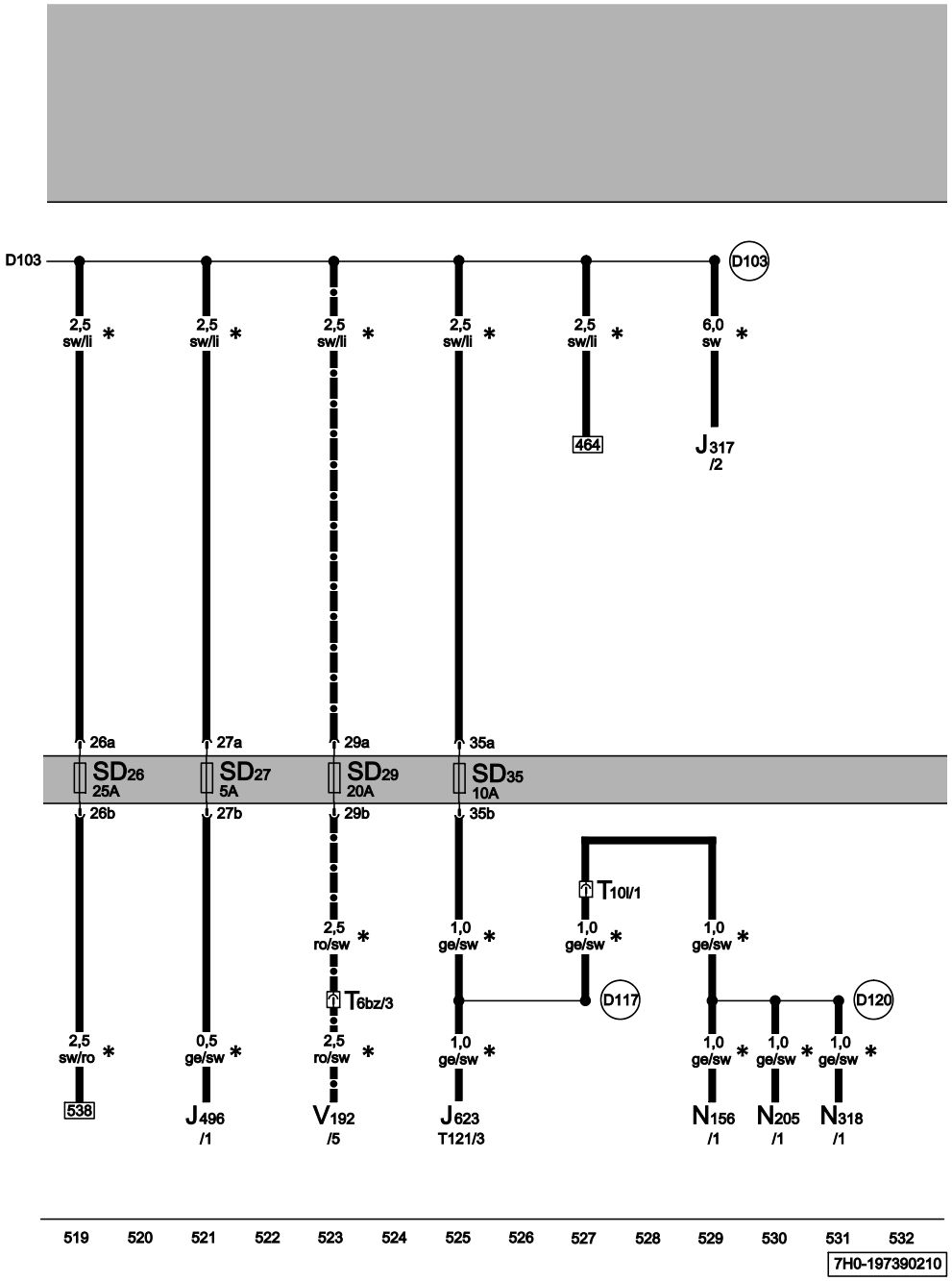
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li = purple
ge = yellow
or = orange
rs = pink

Fuse SD10

J299	Secondary air pump relay
J496	Additional coolant pump relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
V144	Fuel system diagnostic pump
D101	Connection 1, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
****	for models with engine codes BNZ and BPC only
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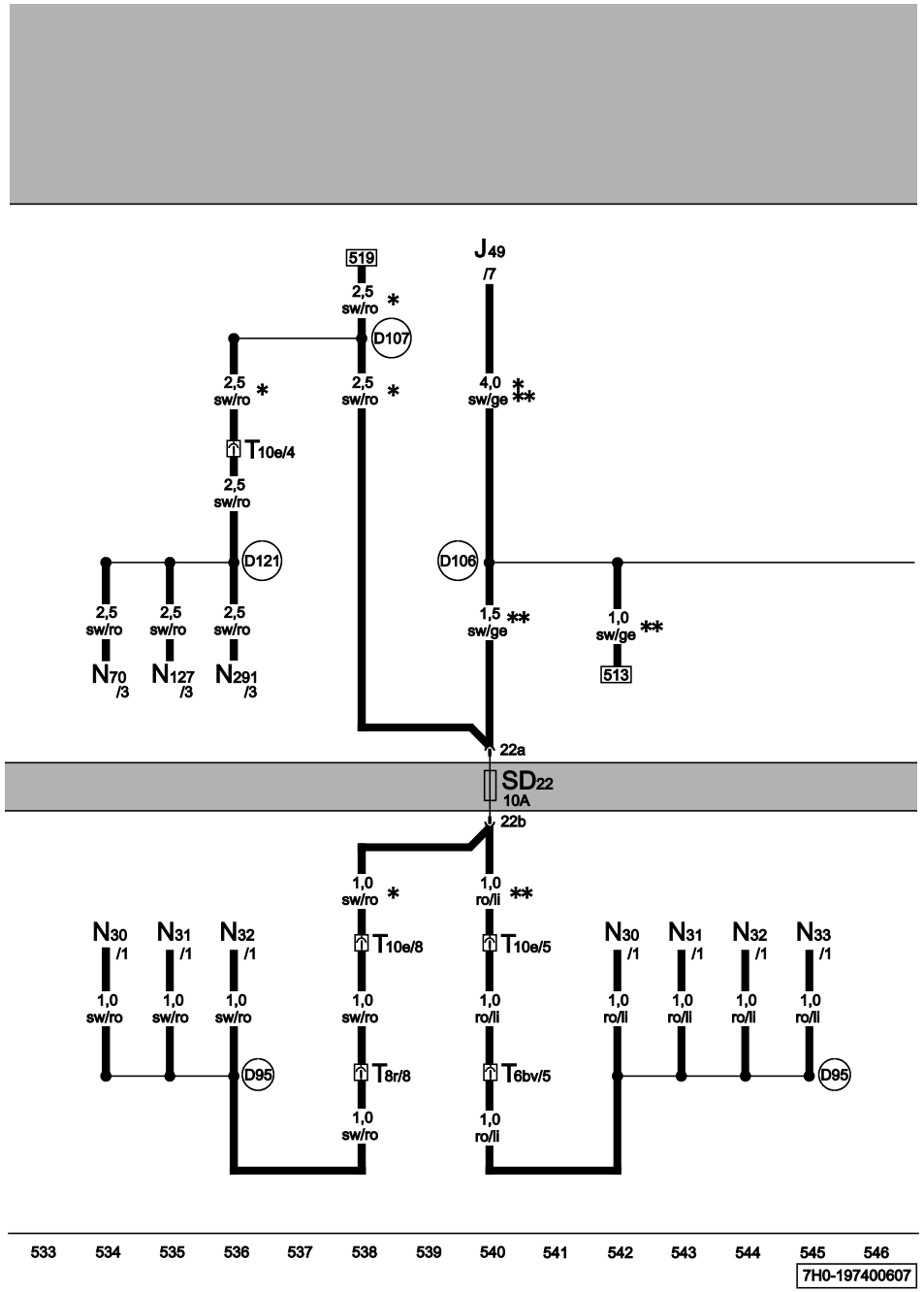


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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD26, SD27, SD29 and SD35

J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD35	Fuse 35 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V192	Vacuum pump for brakes
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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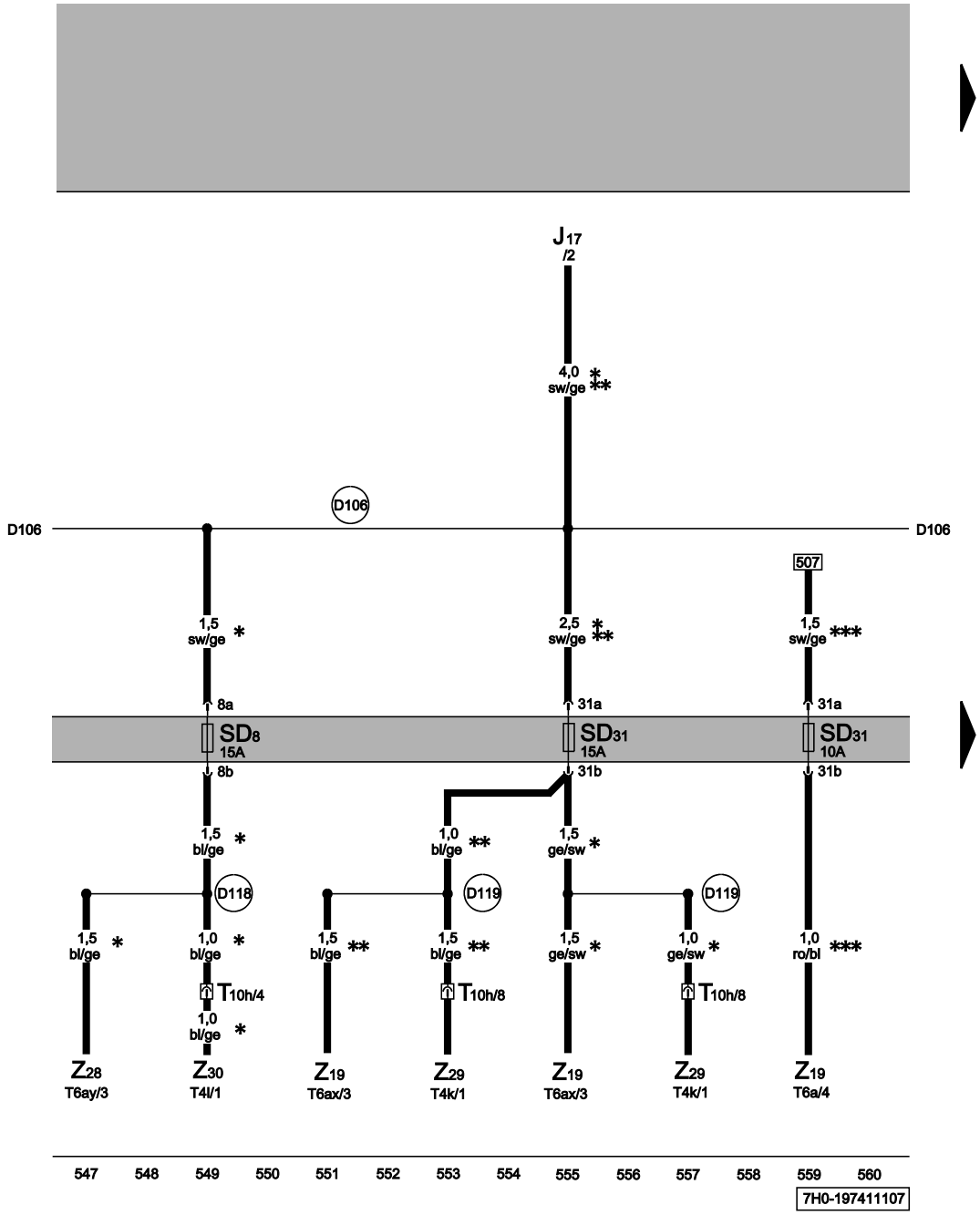
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Fuse SD22

J49	Electric fuel pump 2 relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD22	Fuse 22 on fuse holder D
T6bv	6-pin connector, black, near cylinder head
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only

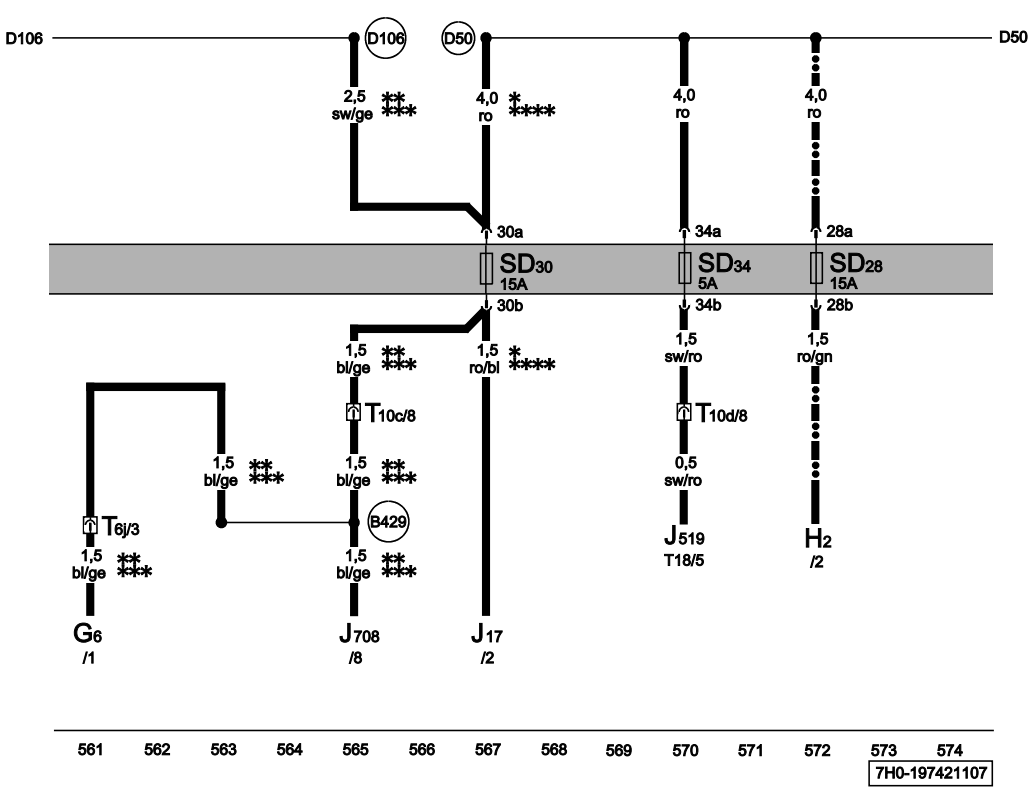
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or	=	orange
rs	=	pink



Fuses SD8 and SD31

J17	Fuel pump relay
SD8	Fuse 8 on fuse holder D
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6a	6-pin connector, black, centre in engine compartment
T6ax	6-pin connector, black, in right engine compartment
T6ay	6-pin connector, brown, on left in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes BNZ, BPC, BRR and BRS only

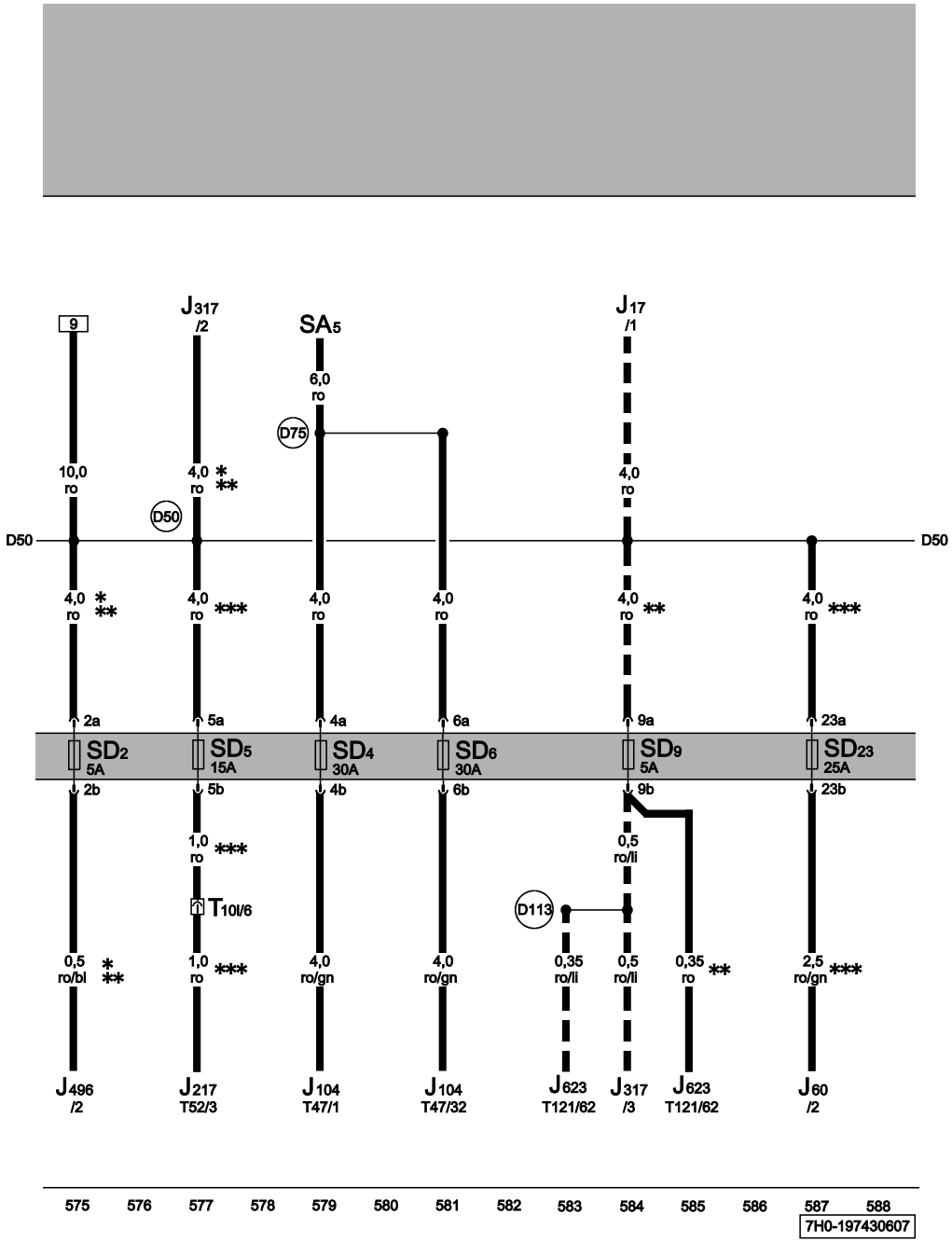
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rs	=	pink



ws = white
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gn = green
bl = blue
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li = purple
ge = yellow
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rs = pink

Fuses SD28, SD30 and SD34

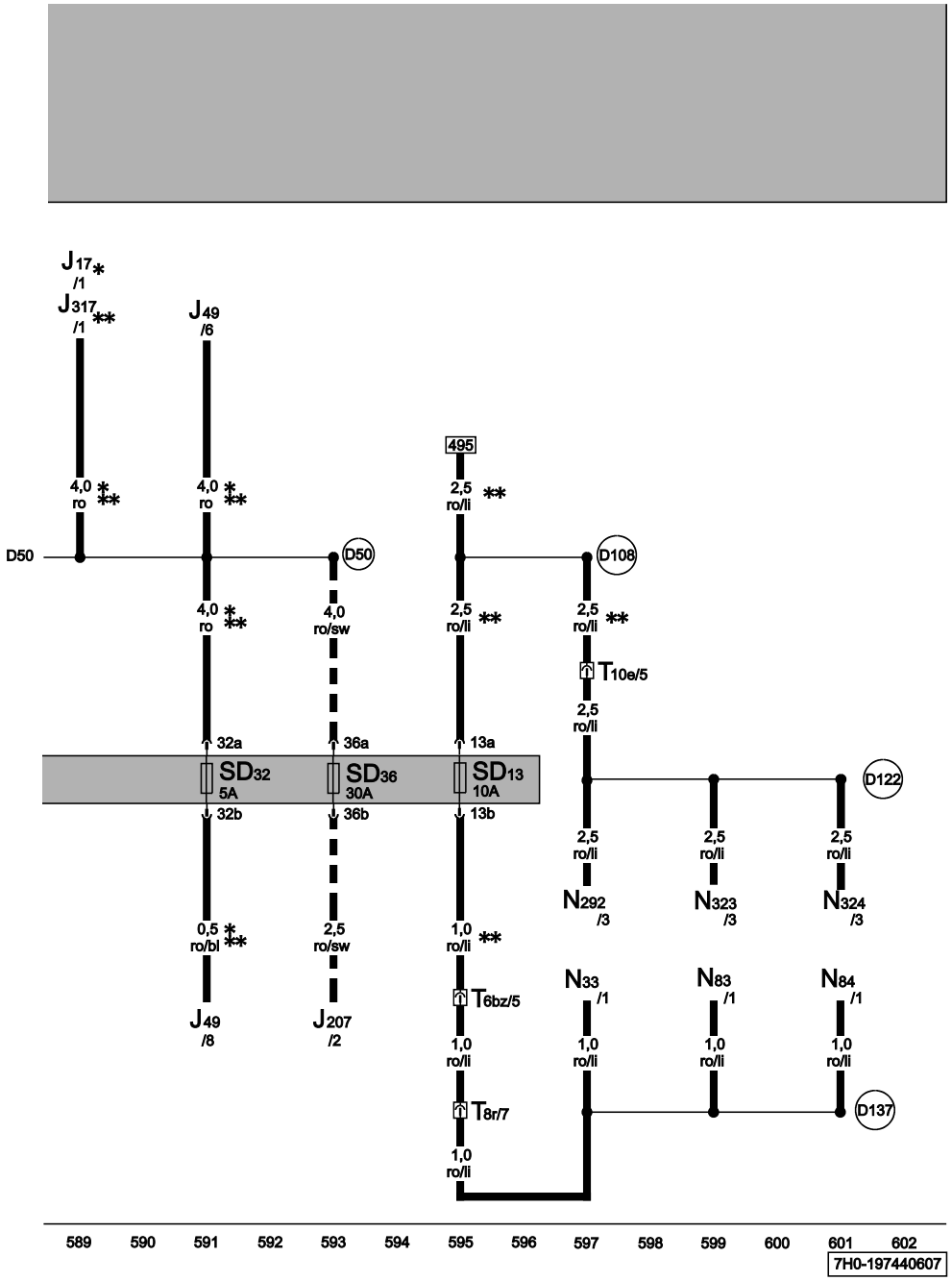
G6	Fuel system pressurisation pump
H2	Treble tone horn
J17	Fuel pump relay
J519	Onboard supply control unit
J708	Residual heat relay
SD28	Fuse 28 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD34	Fuse 34 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SA5, SD2, SD4, SD5, SD6, SD9 and SD23

J17	Fuel pump relay
J60	Automatic gearbox relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SA5	Fuse 5 on fuse holder A
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD23	Fuse 23 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D75	Positive connection 2 (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with automatic gearbox only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>	for models with engine codes BDL, BDM and BKK only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD13, SD32 and SD36

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD32	Fuse 32 on fuse holder D
SD36	Fuse 36 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram

Tail lights - plank bed

⇒ **Trailer operation**

from June 2006

Notes:

For information concerning

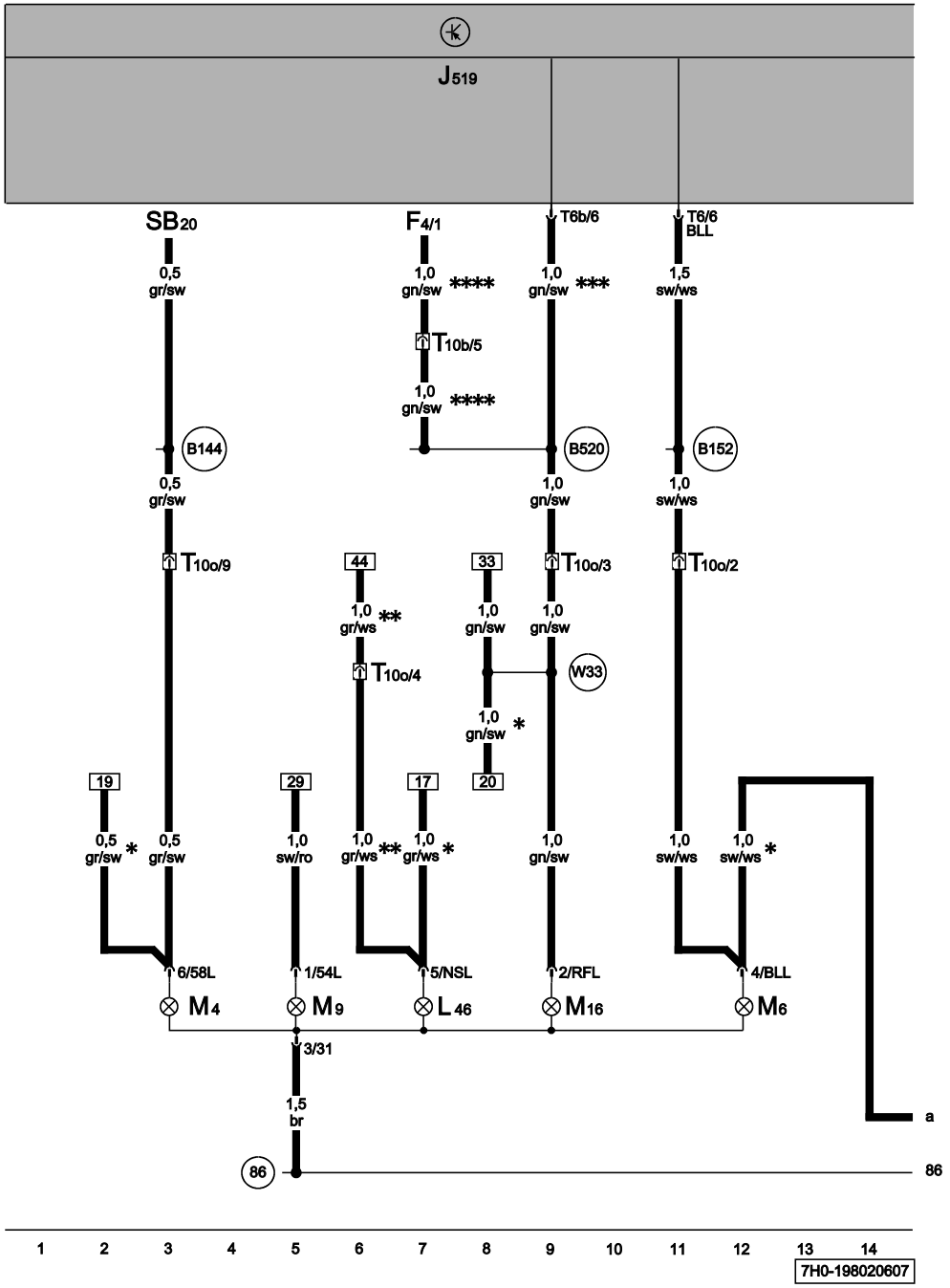
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

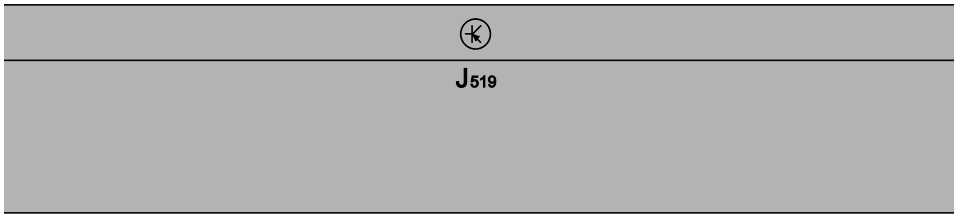
⇒ guided fault finding

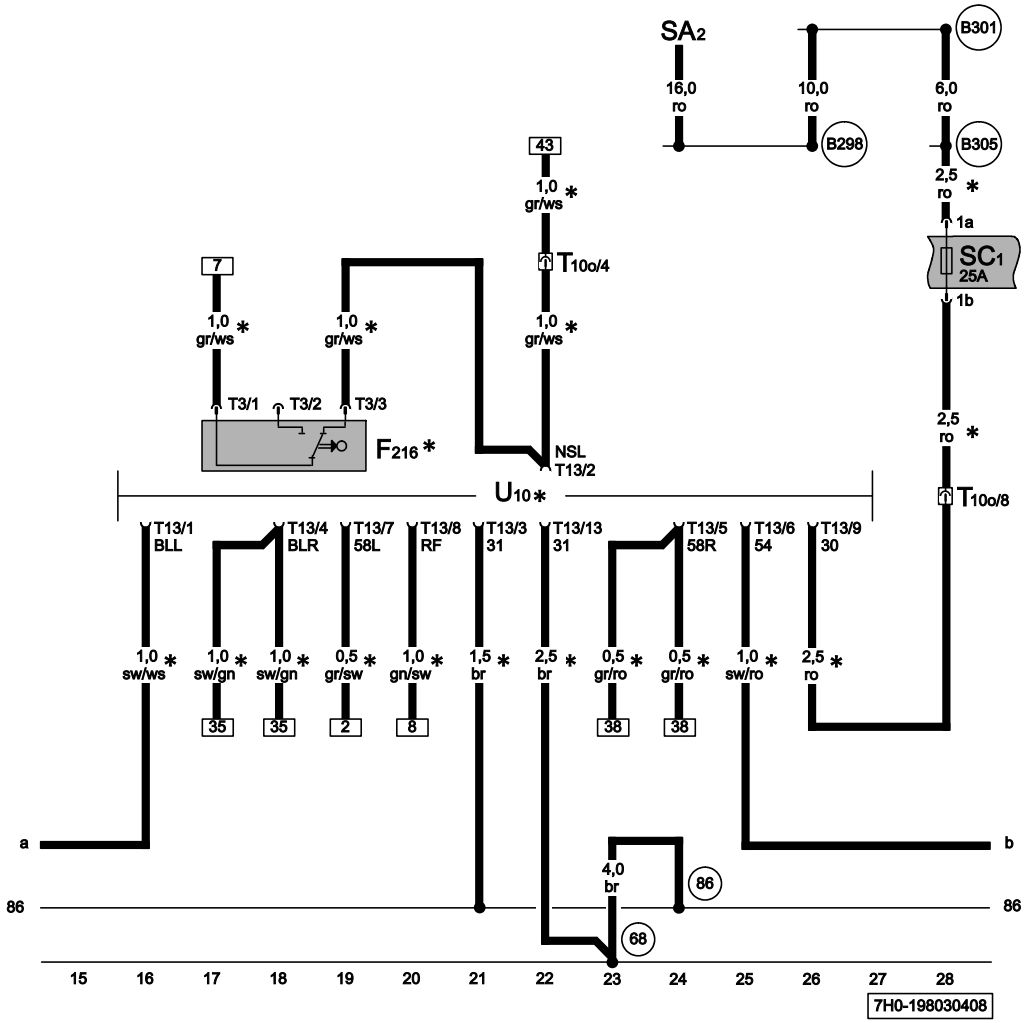


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left tail light bulb, rear left fog light bulb, left brake light bulb, left reversing light bulb

F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with automatic gearbox only
****	for models with manual gearbox only

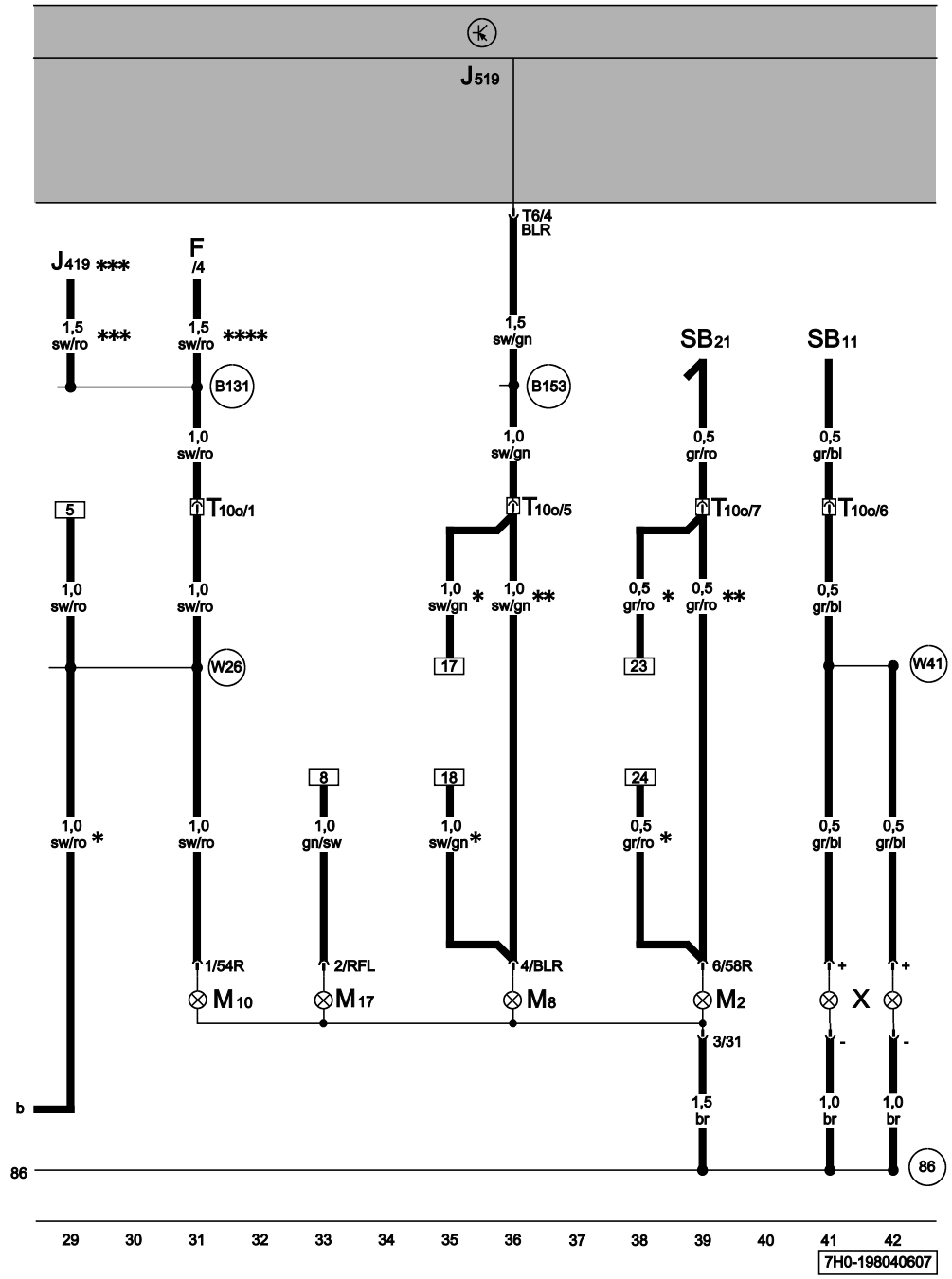




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, trailer socket, rear fog light cut-out contact switch

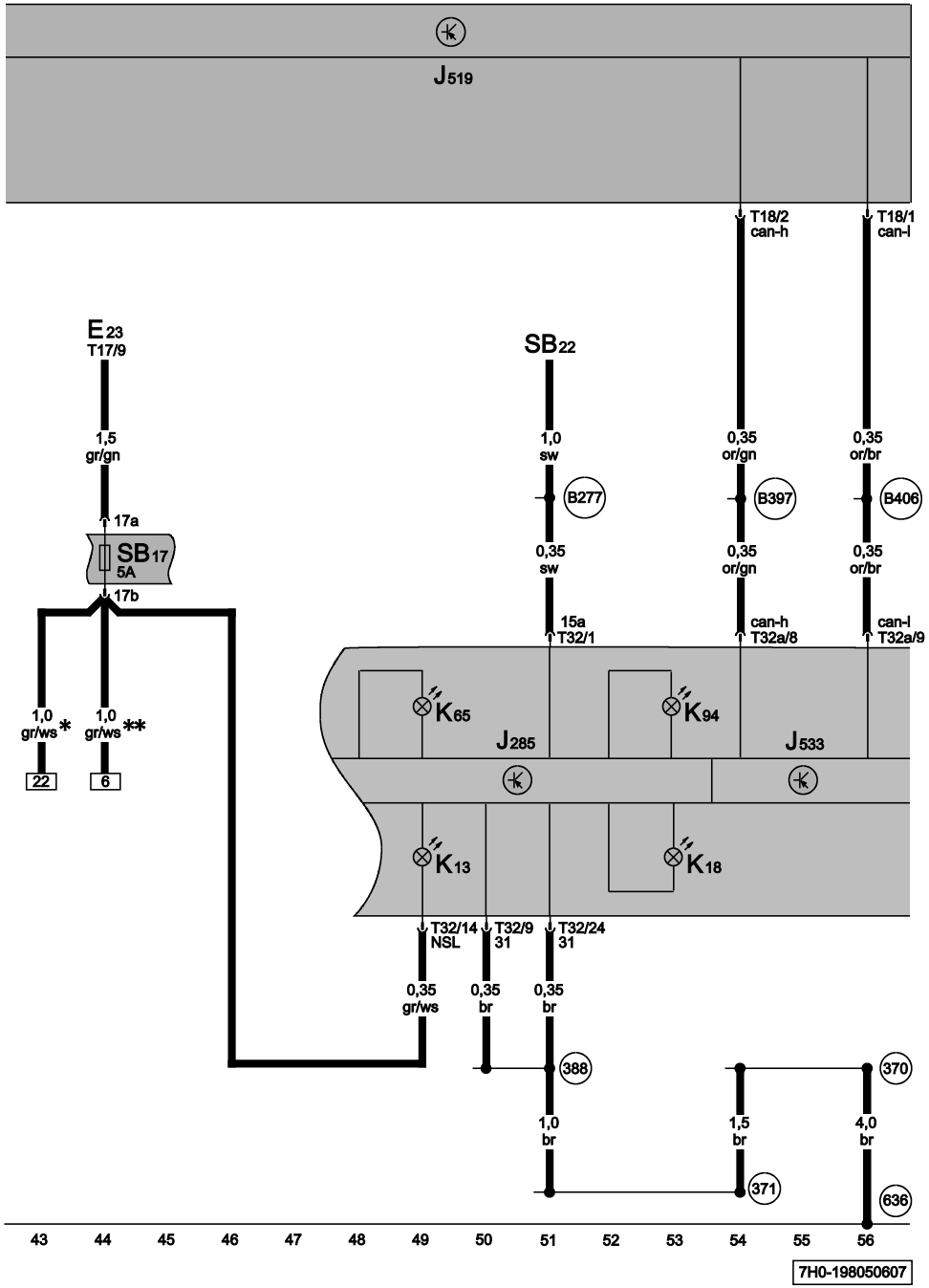
F216	Rear fog light cut-out contact switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
U10	Trailer socket
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with trailer socket only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, right tail light bulb, right brake light bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
SB11	Fuse 11 on fuse holder B
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T10o	10-pin connector, light-green, coupling station under driver seat
X	Number plate light
86	Earth connection 1, in rear wiring harness
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with ESP only ⇒ ABS Current Flow Diagram
****	for models without ESP only



Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Day driving light

from June 2006

Notes:

For information concerning

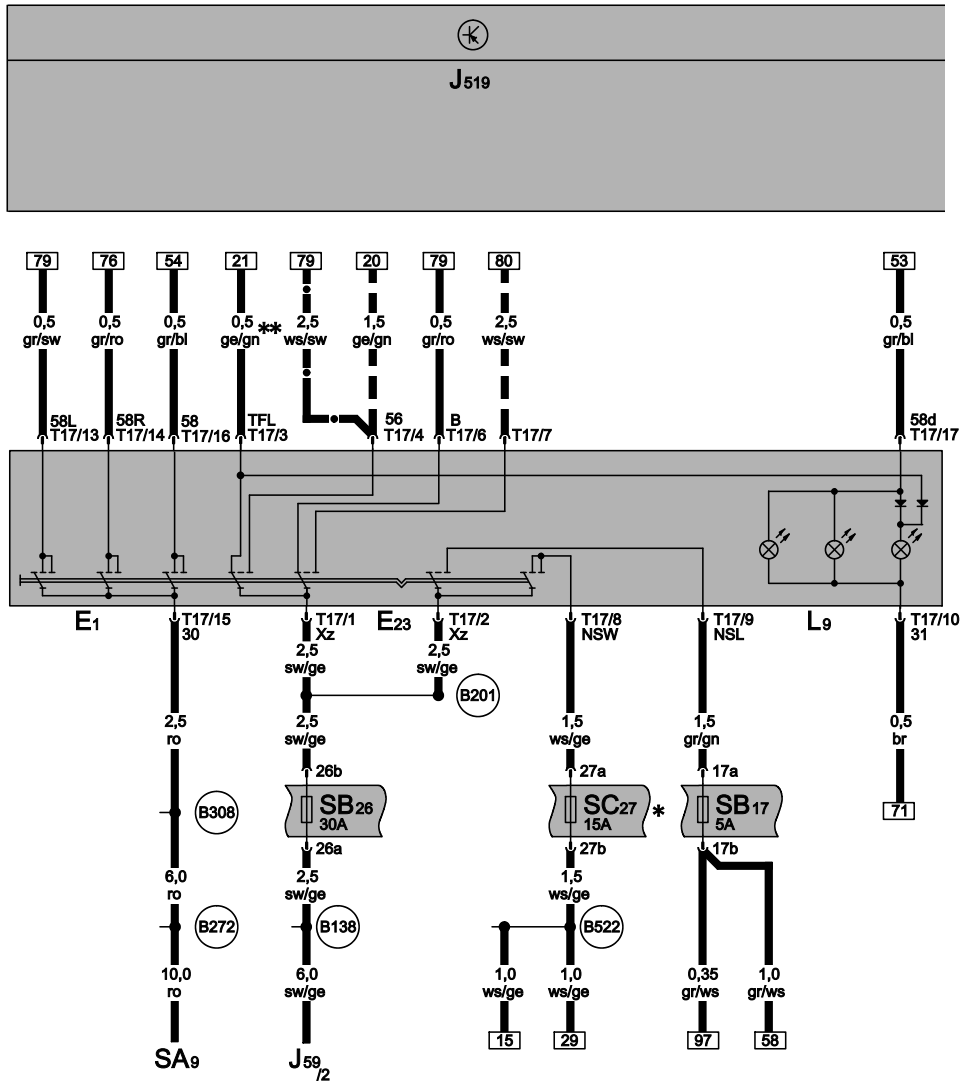
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
SC27	Fuse 27 on fuse holder C
T17	17-pin connector
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights

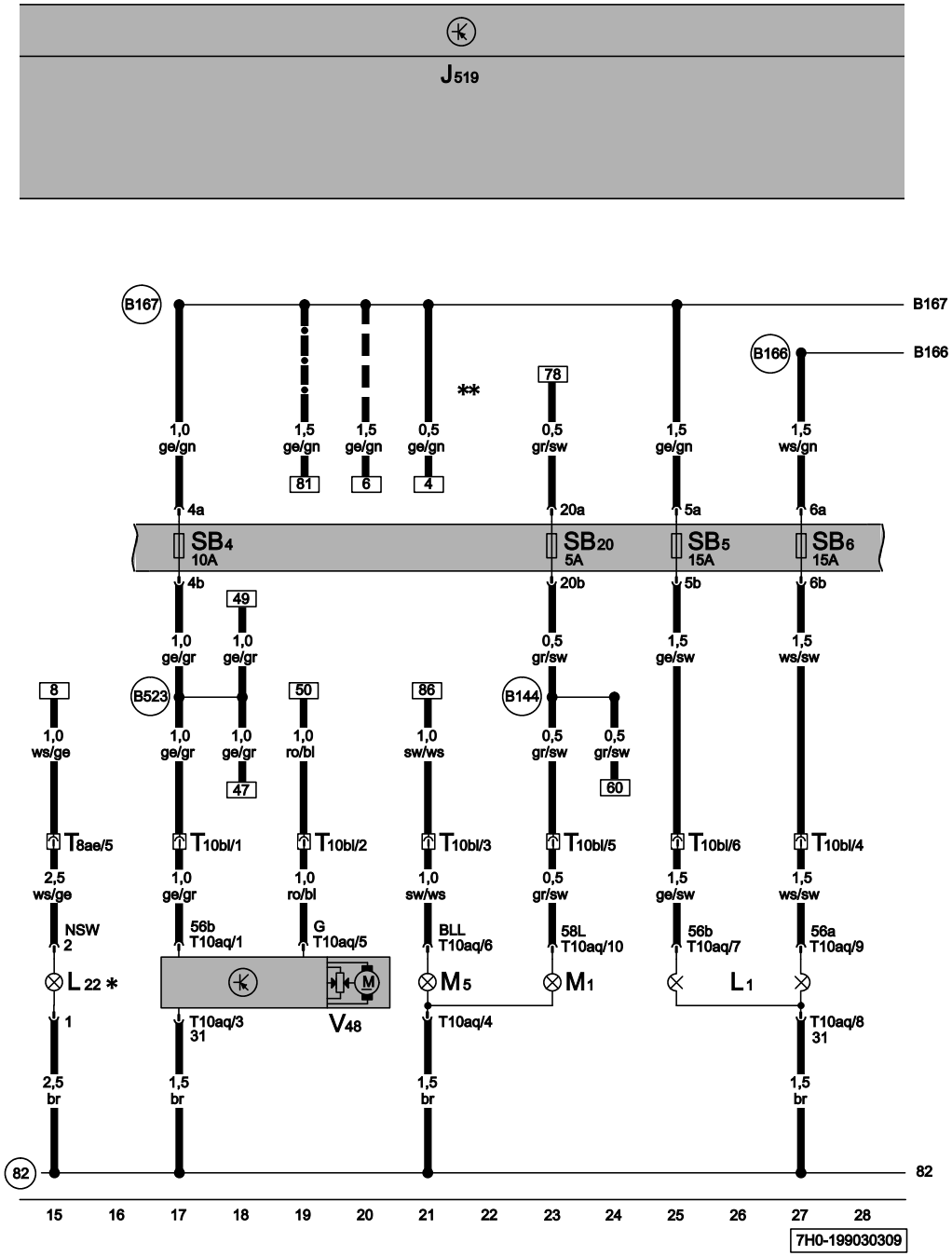
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for multivan, business, caravelle and camper Comfortline only

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applies only to commercial vehicles, multivan classic, camper and shuttle with base level of equipment

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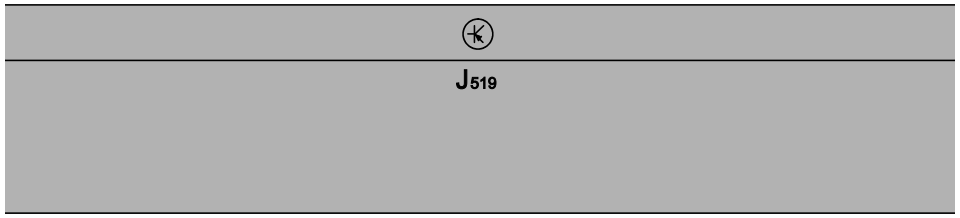
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or	=	orange
rs	=	pink

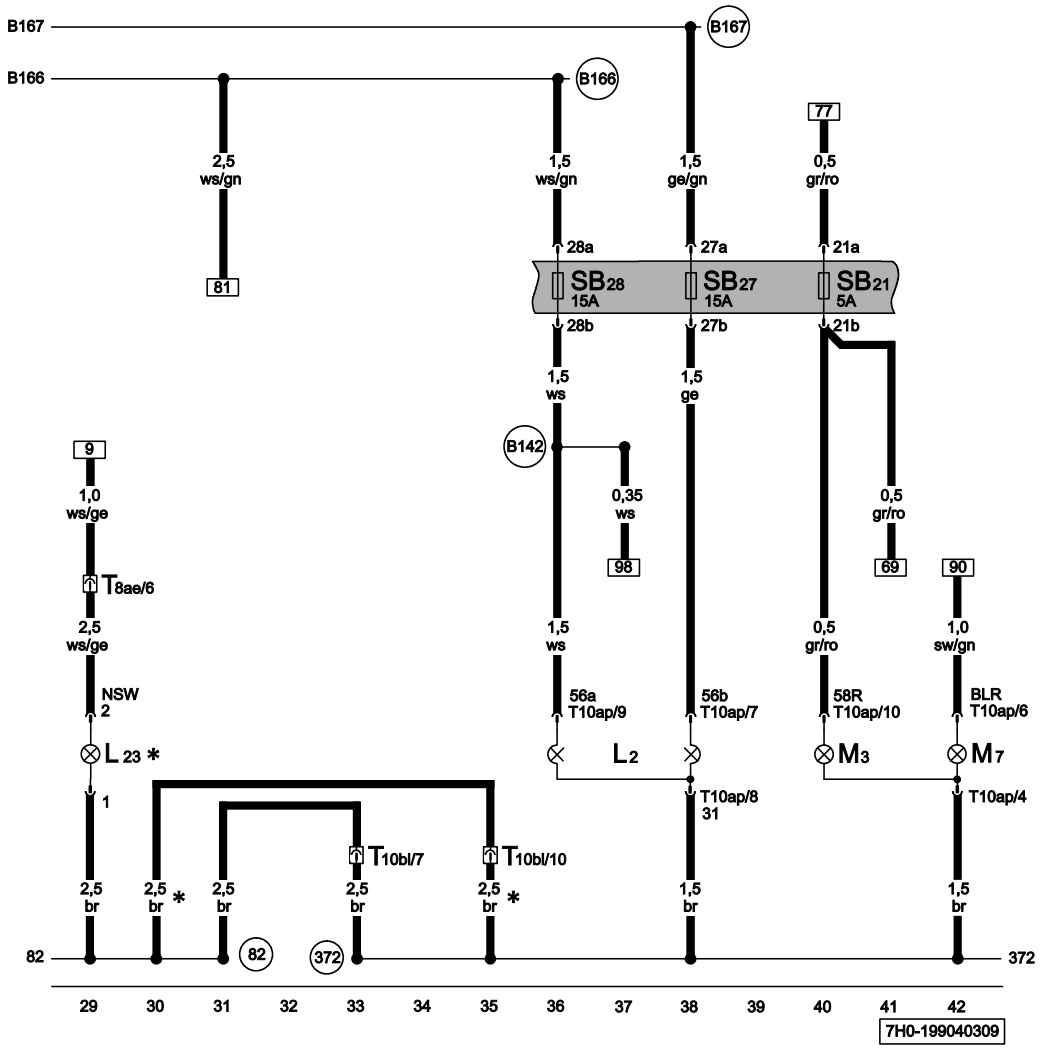
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Left twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor, left fog light bulb

J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L22	Left fog light bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
<fo:exter	For multivan or camper Comfortline only
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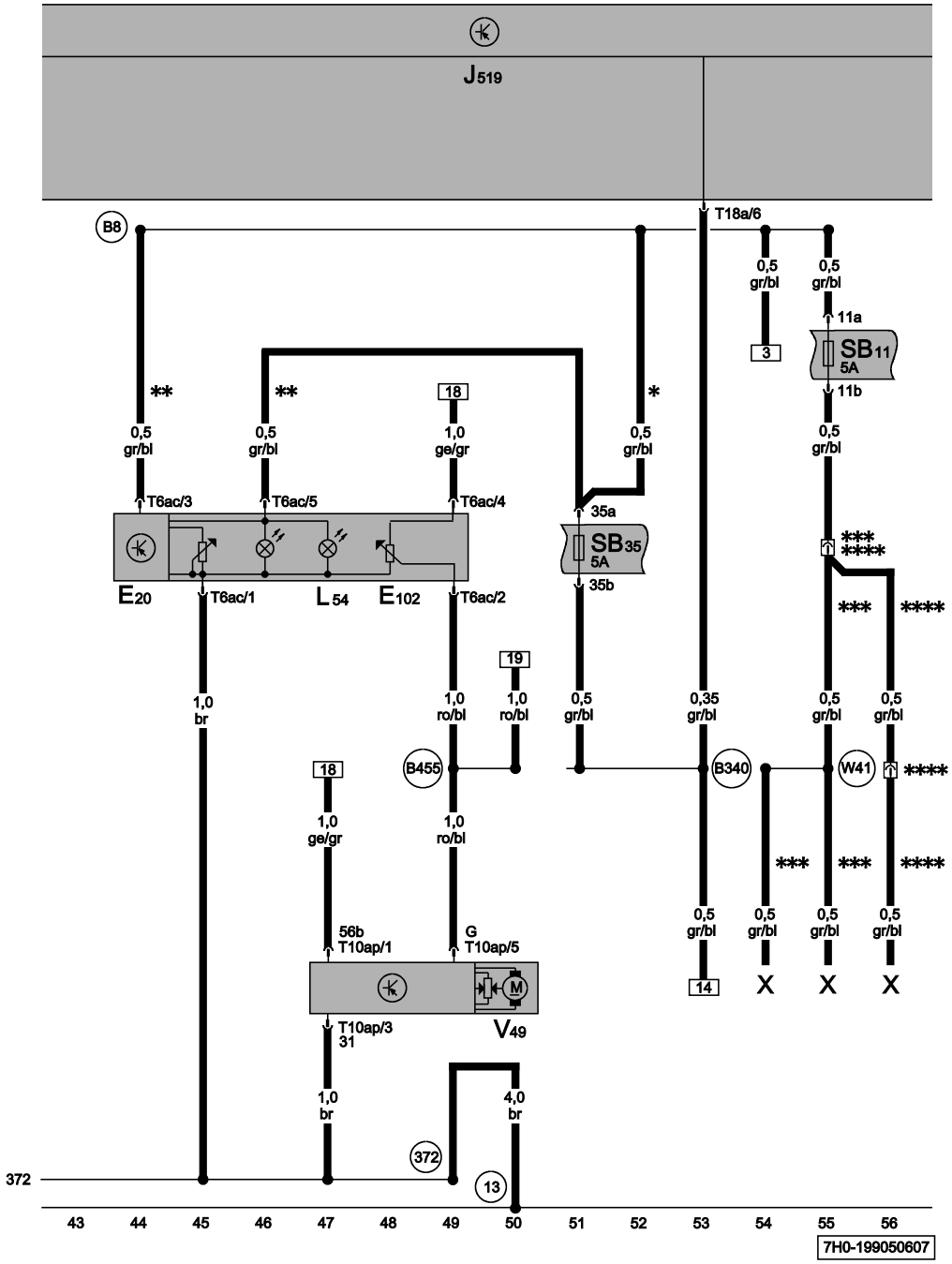




Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, right fog light bulb

J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
*	for models with front fog light only

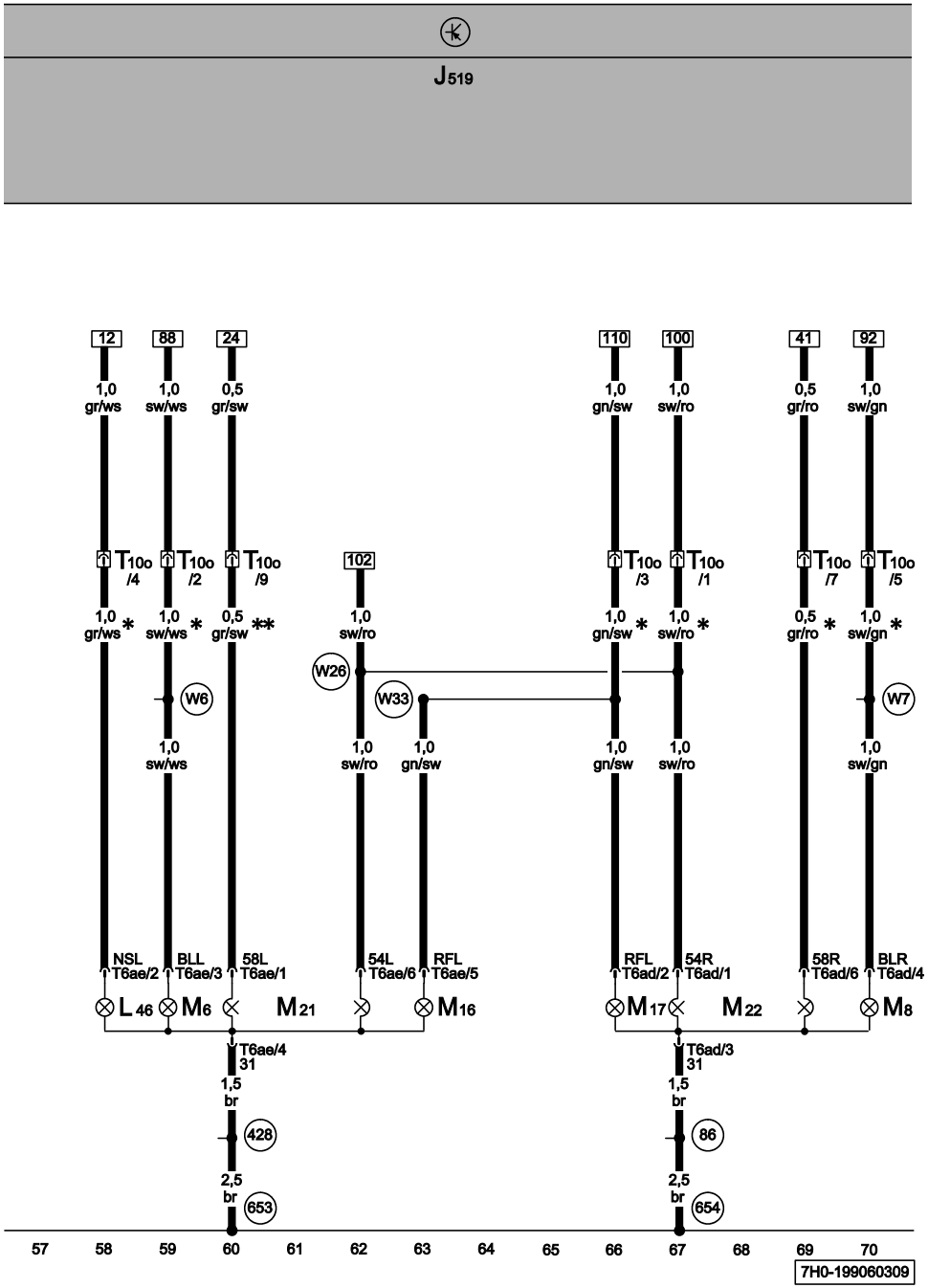
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light

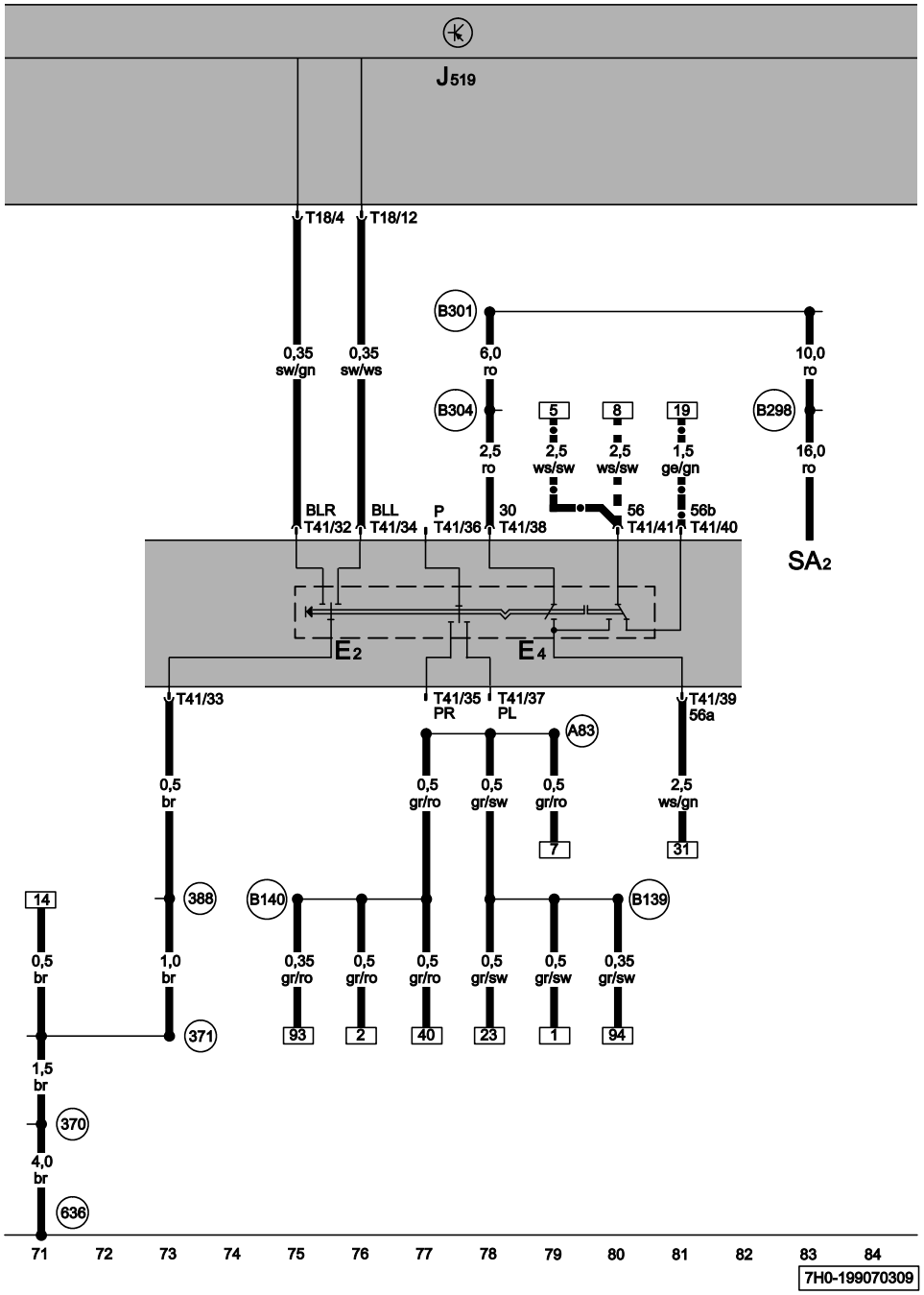
E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	⇒ tail lights plank bed Current Flow Diagram
****	⇒ basic equipment/ rear wing doors Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left and right brake and tail light bulb, rear left and right turn signal bulb, reversing light, rear fog light

J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	not for double cab and plank bed vehicles



Onboard supply control unit, turn signal switch, headlight dipper/flasher switch

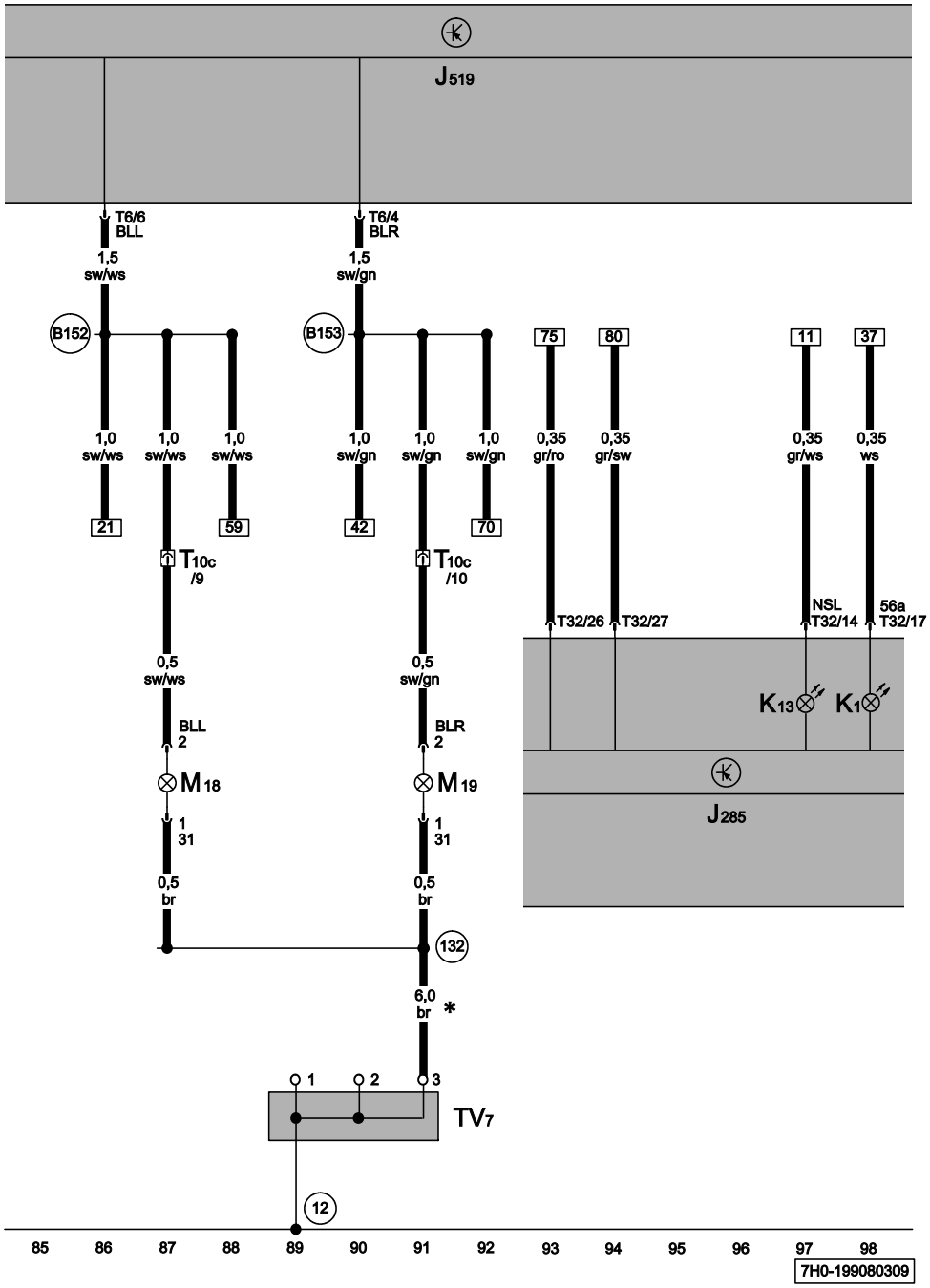
E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
<fo:exter	For multivan or camper Comfortline only

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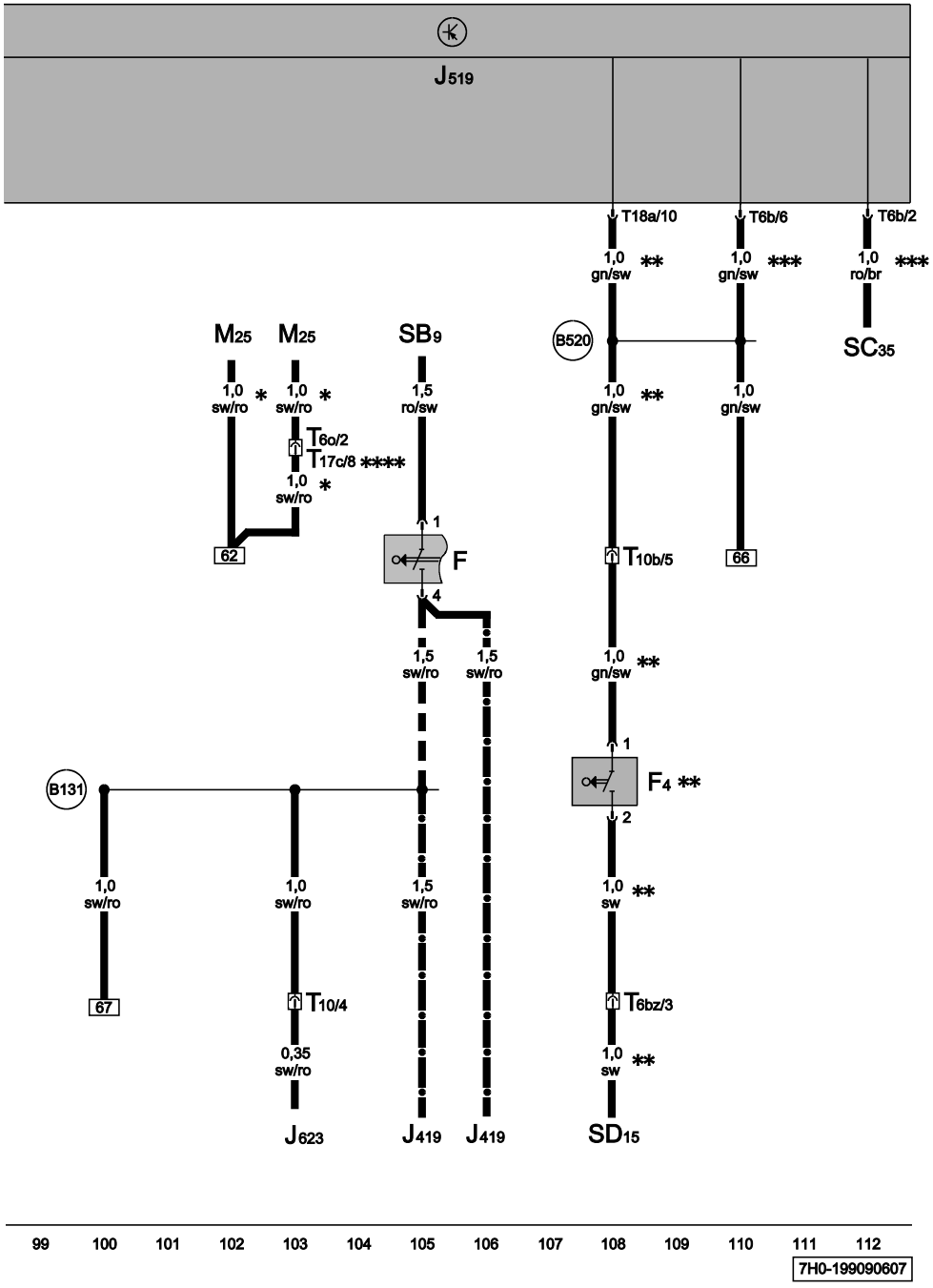
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, warning lamps, side mounted turn signal bulbs

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 4.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6o	6-pin connector, red, coupling station on left of D-pillar
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ basic equipment/ rear wing doors Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
****	applicable from November 2006
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Trailer operation

from November 2006

Notes:

For information concerning

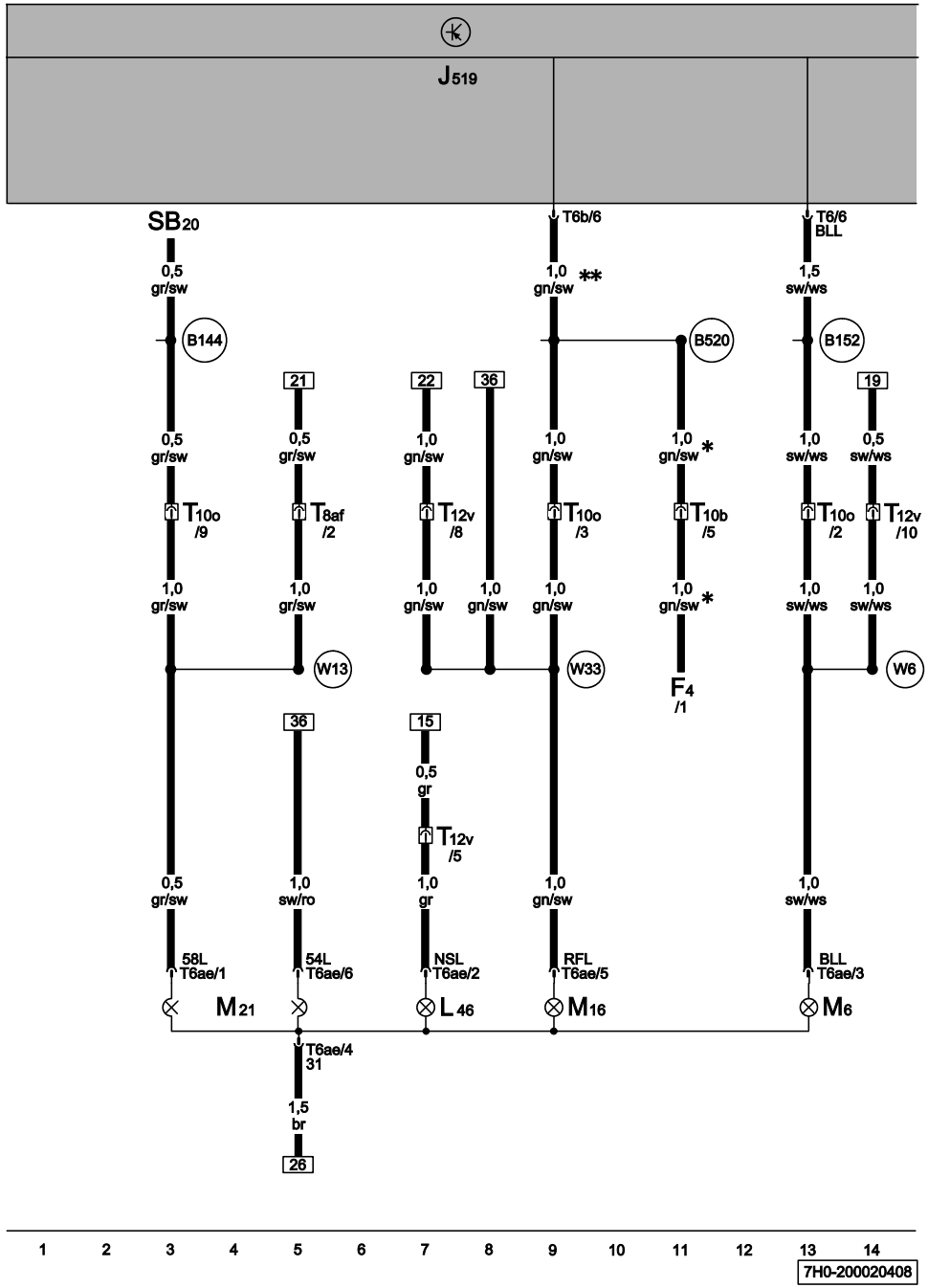
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

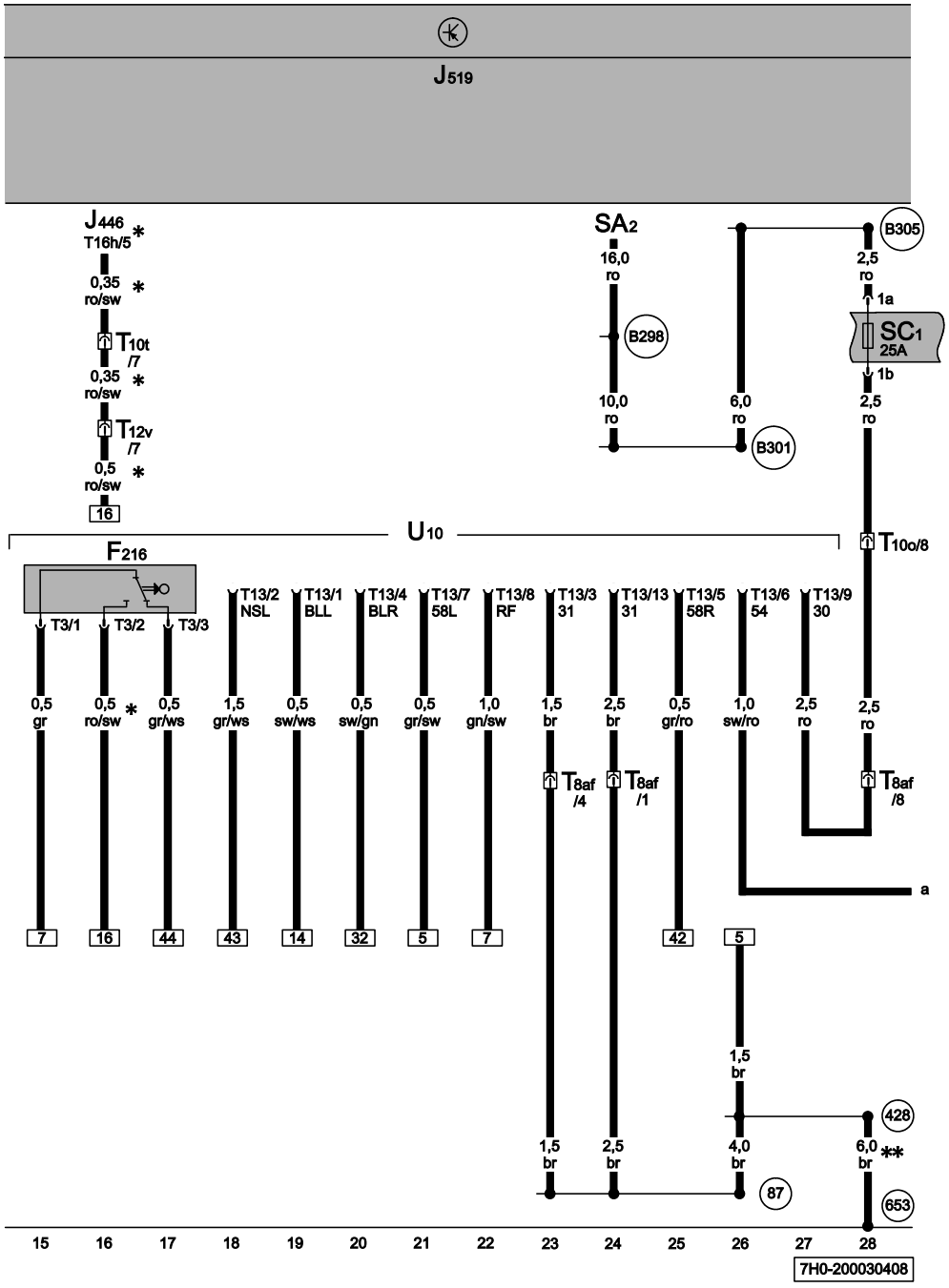
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

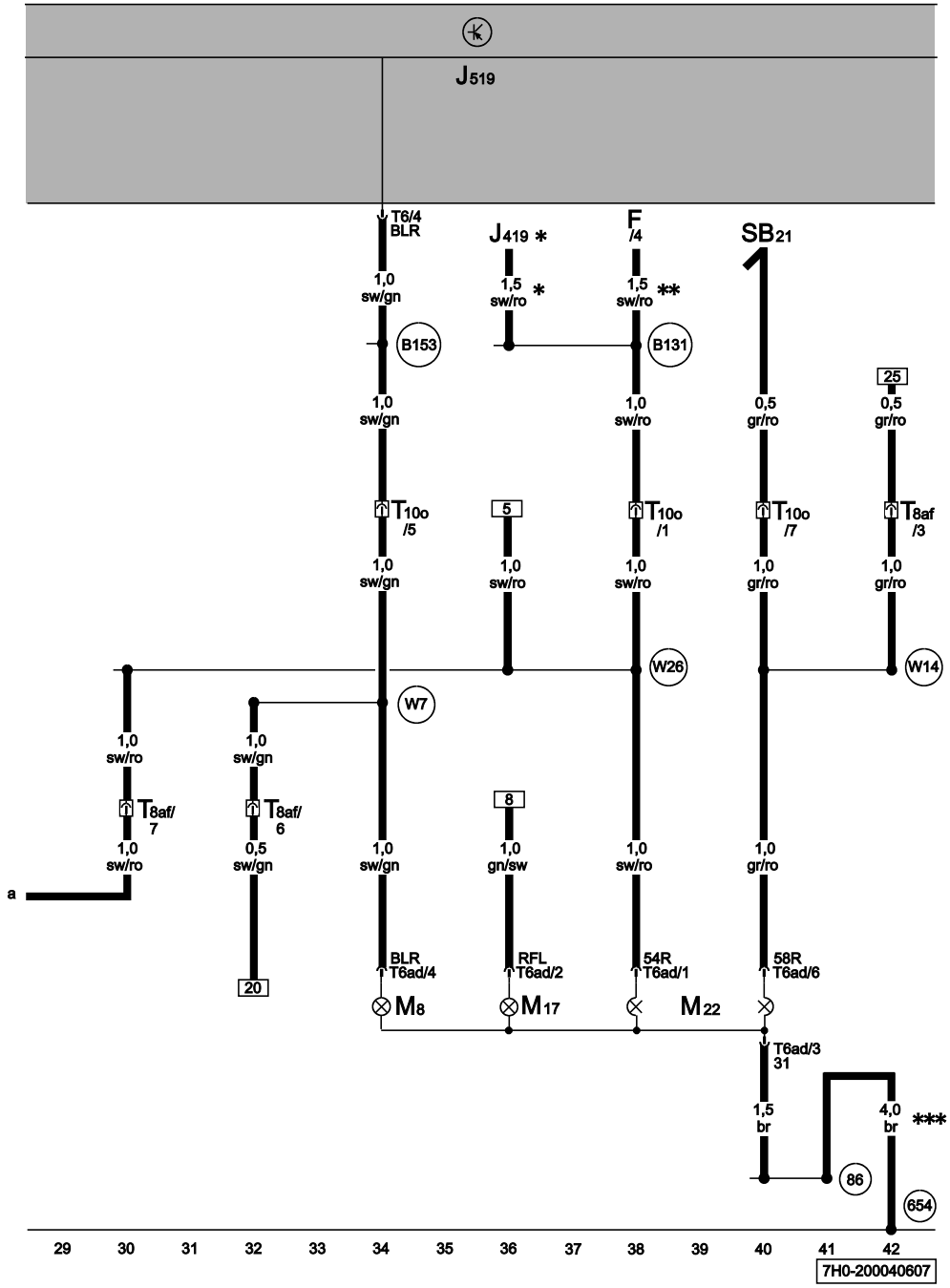
F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox, signal output only



Trailer socket, rear fog light cut-out contact switch

F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with parking aid only
**	cross-section depends on equipment

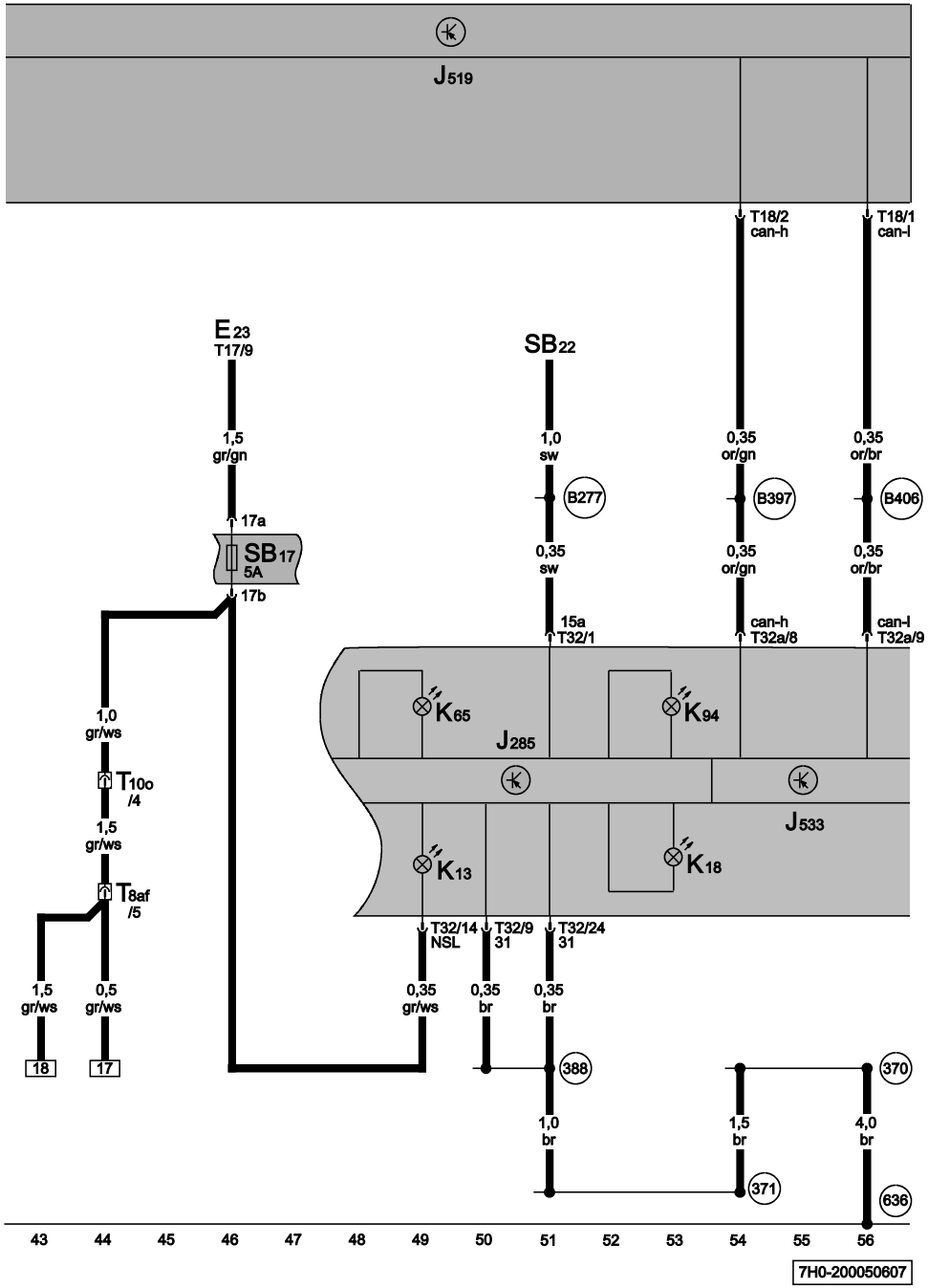
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	cross-section depends on equipment



Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Sliding doors, electric

⇒ **Power latching system**

from January 2006

Notes:

For information concerning

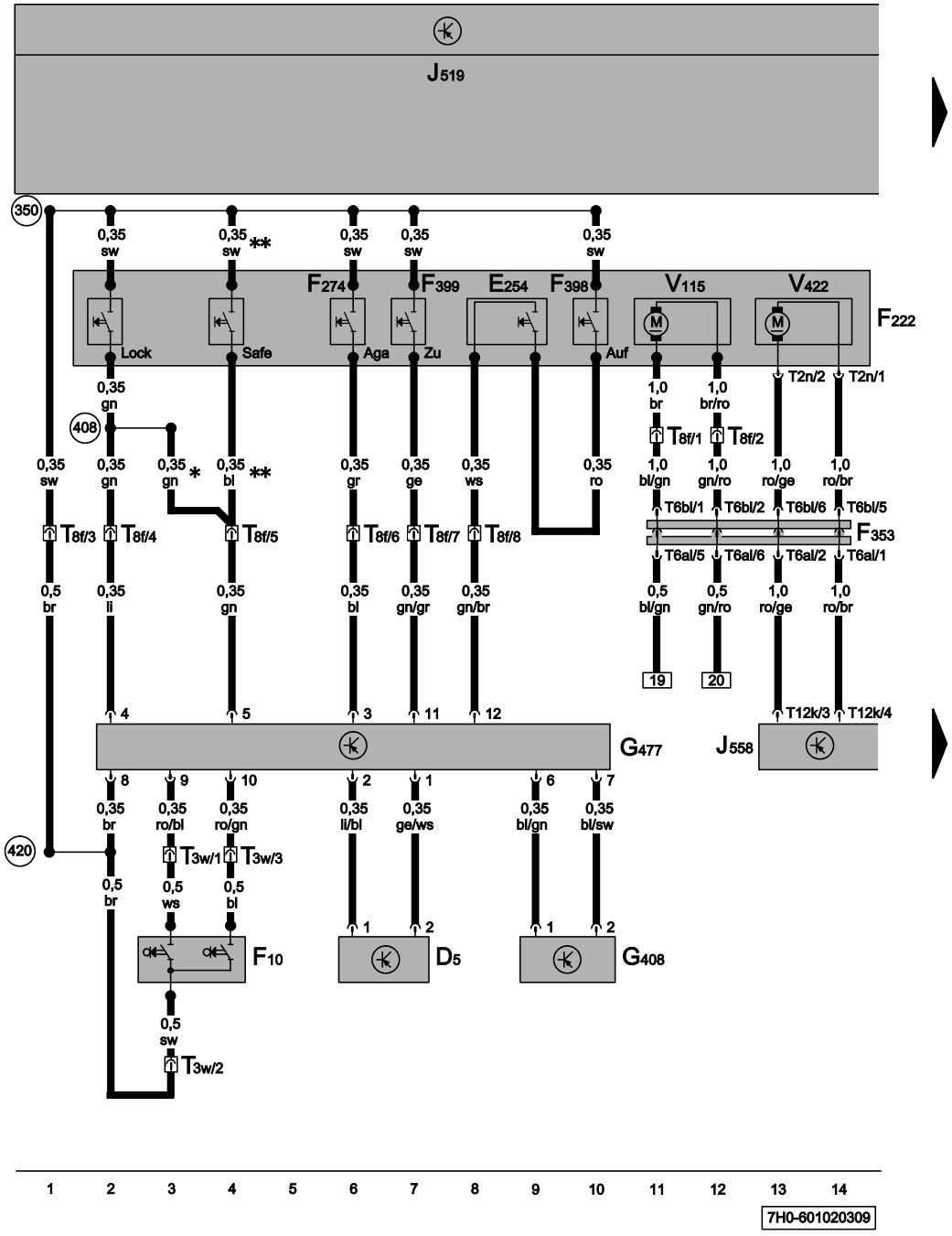
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

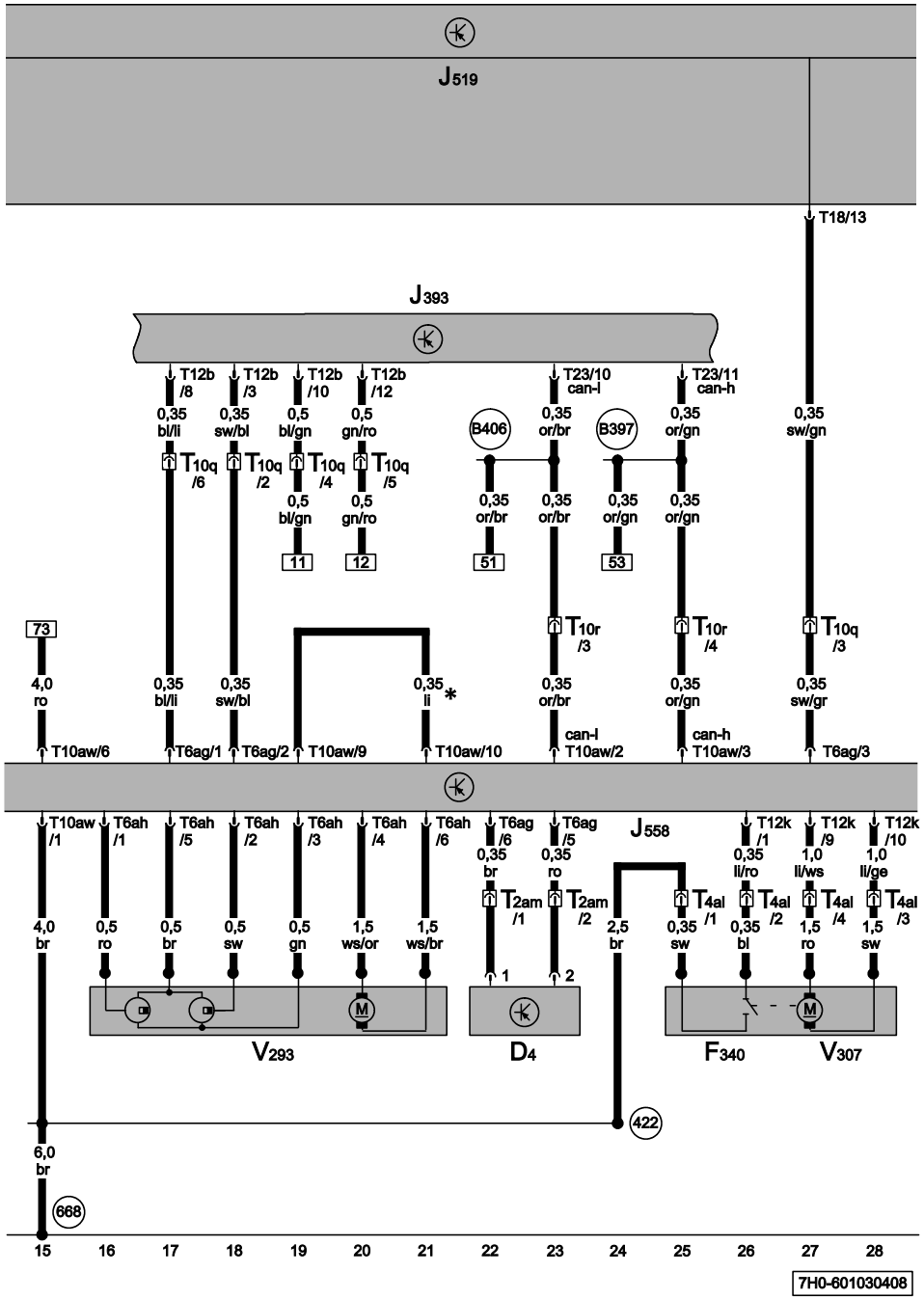
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sliding door sender unit, left sliding door control unit

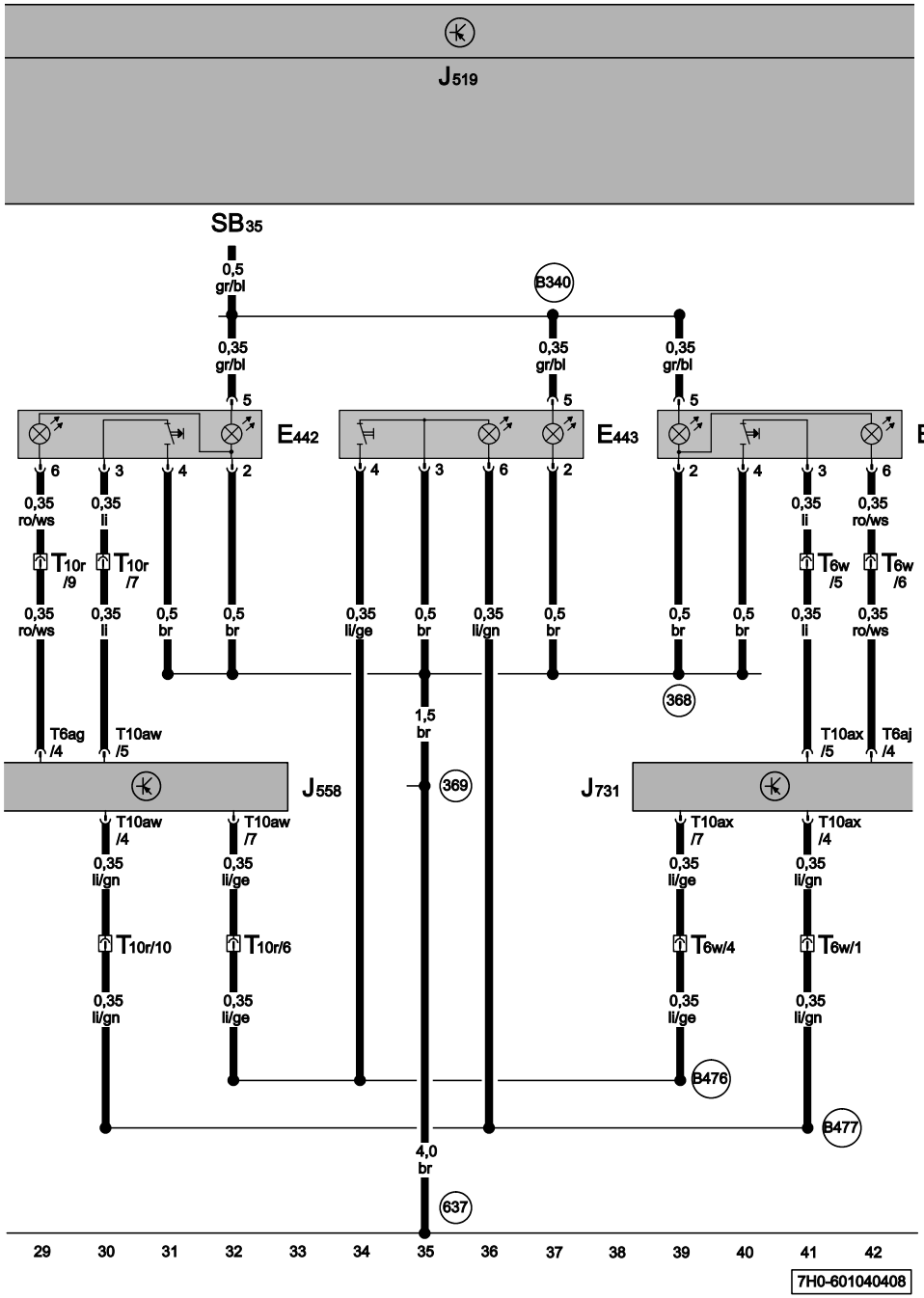
D5	Sliding door solenoid coil
E254	Childproof lock switch
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F274	Rear left door exterior handle switch
F353	Left sliding door contact strip
F398	Interior door handle switch for opening rear left door
F399	Interior door handle switch for closing rear left door
G408	Anti-trapping sensor
G477	Sliding door sender unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2n	2-pin connector
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8f	8-pin connector
T12k	12-pin connector
V115	Rear left door central locking motor
V422	Rear left rotary latch motor
350	Earth connection 2, in rear left door wiring harness
408	Earth connection 3, in rear left door wiring harness
420	Earth connection 1, in left sliding door wiring harness
*	for models without deadlock function only
**	for models with deadlock function only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Sliding door reader coil, sliding door opening motor, rear left power latching motor, sliding door control unit

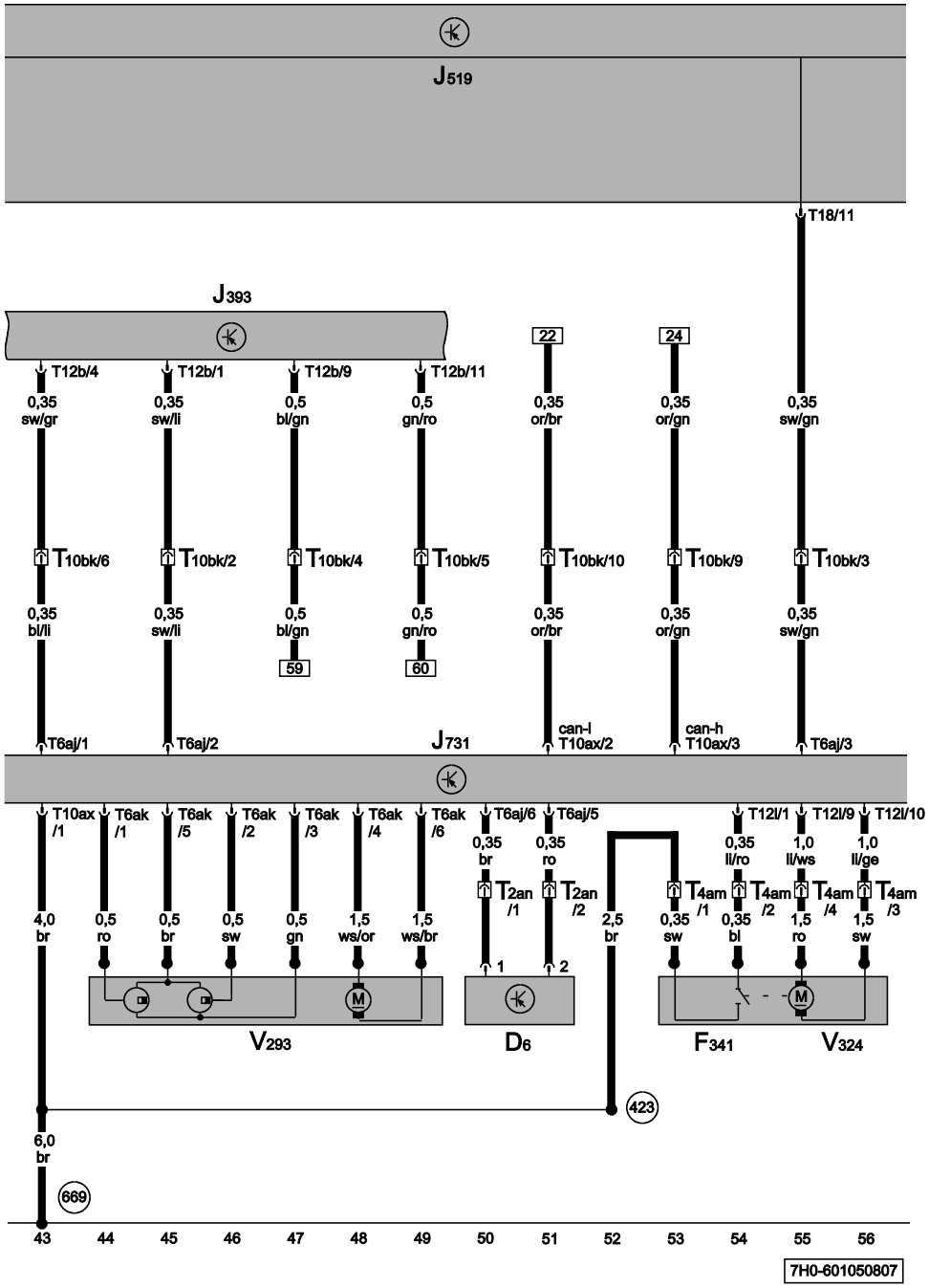
D4	Sliding door reader coil
F340	Rear left door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J558	Left sliding door control unit
T2am	2-pin connector, black, under roof, near left B-pillar
T4al	4-pin connector, black, on left C-pillar
T6ag	6-pin connector
T6ah	6-pin connector, light-brown
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T12b	12-pin connector
T12k	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
V293	Sliding door opening motor
V307	Rear left door power latching motor
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	Left sliding door coding link



Sliding door button, button to deactivate sliding door, left and right sliding door control unit

E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
SB35	Fuse 35 on fuse holder B
T6w	6-pin connector, light-pink, coupling station under front passenger seat
T6ag	6-pin connector
T6aj	6-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10aw	10-pin connector
T10ax	10-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B476	Connection 12 in main wiring harness
B477	Connection 13 in main wiring harness

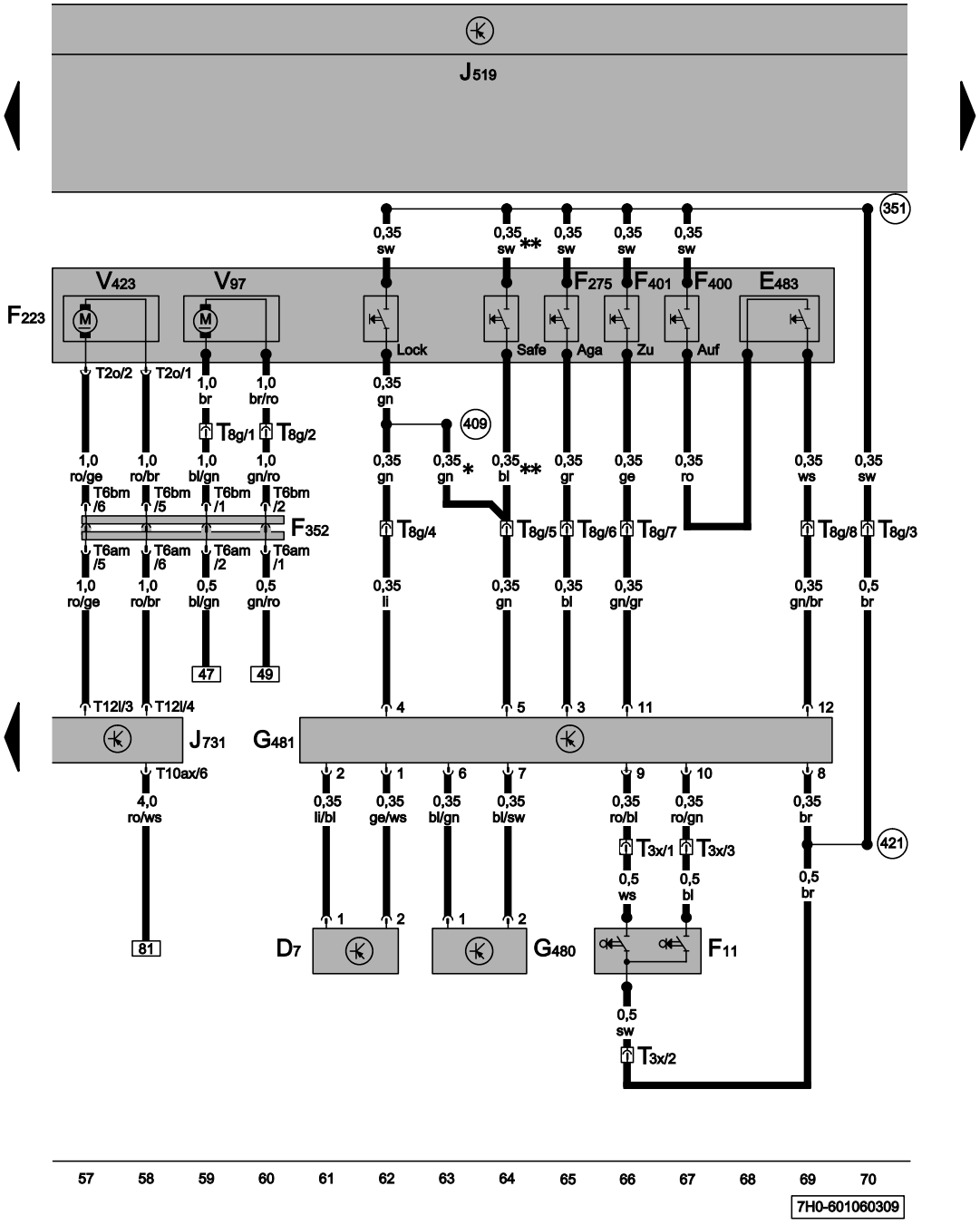
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Right sliding door reader coil, sliding door opening motor, sliding door power latching motor, right sliding door control unit

D6	Right sliding door reader coil
F341	Rear right door power latching system contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2an	2-pin connector, black, under roof, near right B-pillar
T4am	4-pin connector, black, on right C-pillar
T6aj	6-pin connector
T6ak	6-pin connector
T10bk	10-pin connector, grey, coupling station under front passenger seat
T10ax	10-pin connector
T12b	12-pin connector
T12l	12-pin connector
T18	18-pin connector, black
V293	Sliding door opening motor
V324	Sliding door power latching motor
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar

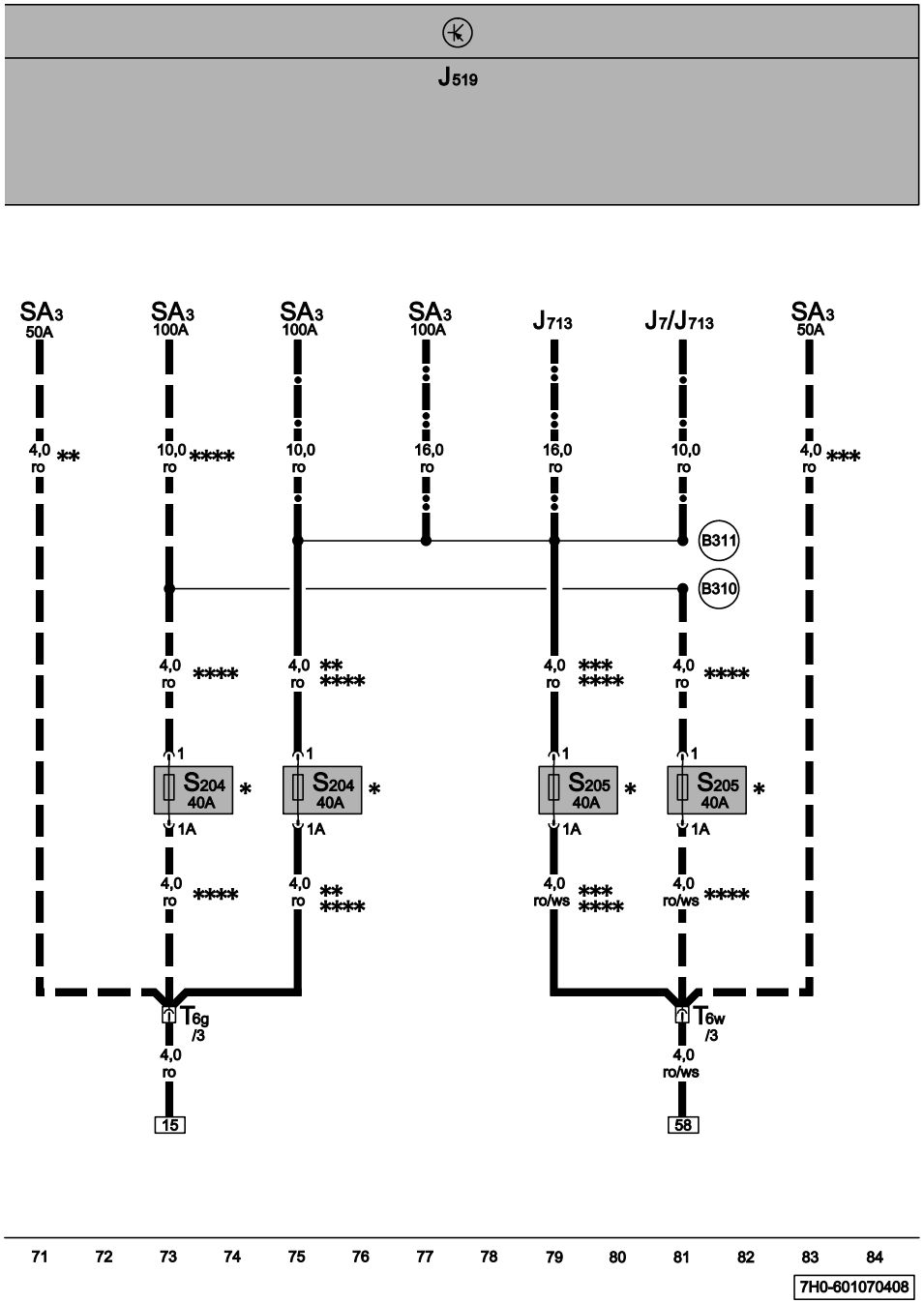
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Sliding door solenoid coil, door contact switch, central locking lock unit, anti-trapping sensor, sender unit and right sliding door control unit

D7	Right sliding door solenoid coil
E483	Right childproof lock switch
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F275	Rear right door exterior handle switch
F352	Right sliding door contact strip
F400	Interior door handle switch for opening rear right door
F401	Interior door handle switch for closing rear right door
G480	Right anti-trapping sensor
G481	Right electric sliding door sender unit
J519	Onboard supply control unit
J731	Right sliding door control unit
T2o	2-pin connector
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T8g	8-pin connector
T10ax	10-pin connector
T12l	12-pin connector
V97	Rear right door central locking motor
V423	Rear right rotary latch motor
351	Earth connection 2, in rear right door wiring harness
409	Earth connection 3, in rear right door wiring harness
421	Earth connection 1, in right sliding door wiring harness
*	for models without deadlock function only
**	for models with deadlock function only



ws = white

Fuse 3 on fuse holder battery, second battery, fuse 1 (30), fuse 2 (30)

J7	Battery isolation relay
J519	Onboard supply control unit
J713	Second battery charging circuit relay
S204	Fuse 1 (30)
S205	Fuse 2 (30)
SA3	Fuse 3 on fuse holder A
T6g	6-pin connector, brown, coupling station under driver seat
T6w	6-pin connector, light-pink, coupling station under front passenger seat
B310	Positive connection 14 (30), in main wiring harness
B311	Positive connection 15 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations
**	for models with left sliding door only
***	for models with right sliding door only
****	for models with left and right sliding door

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for models with second battery only

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for models with second battery and battery for special vehicles only

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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

png" content-width="20pt" scaling="uniform"/>

for models without second battery only

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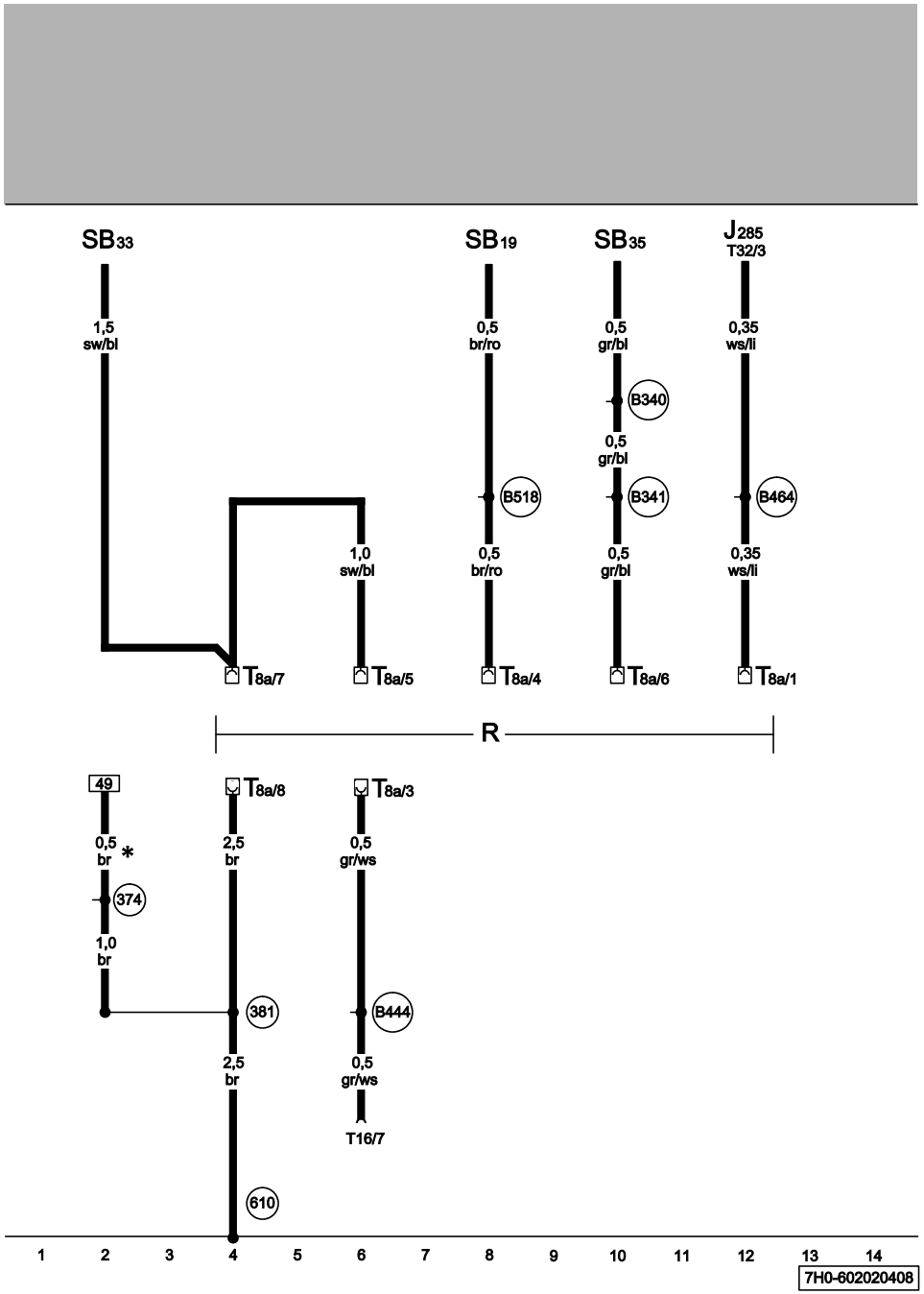
Preparation for radio (8UB)

⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



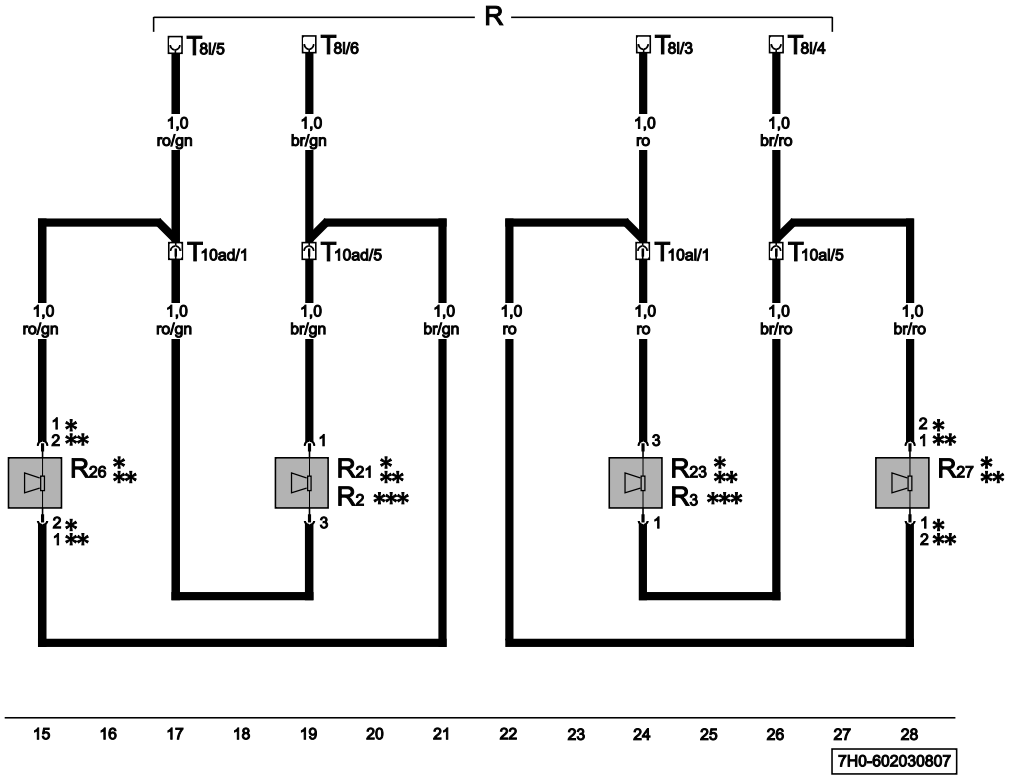
Voltage supply

J285	Control unit in dash panel insert
R	Radio
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
T8a	8-pin connector, black
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, front loudspeakers

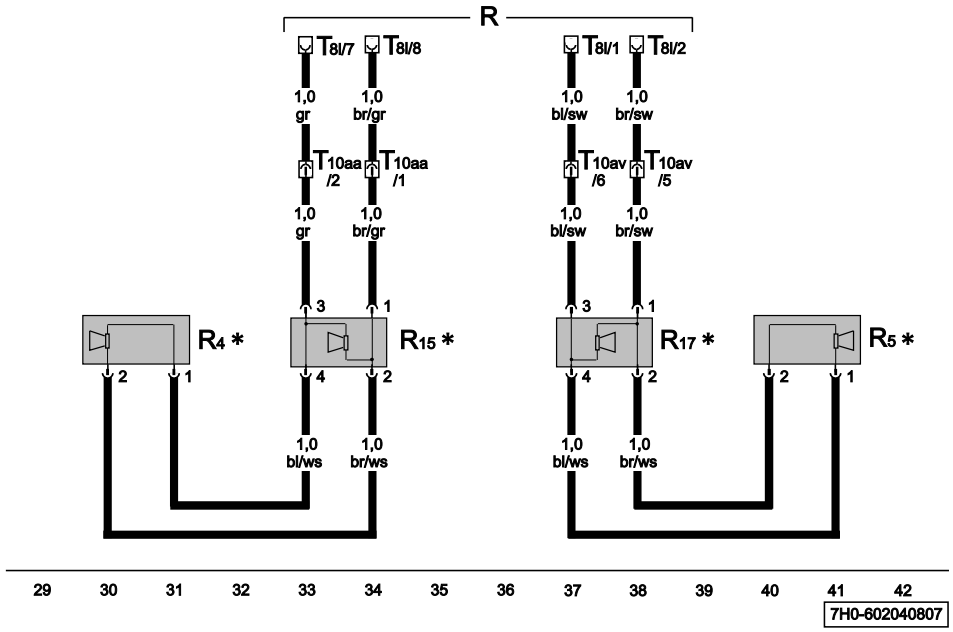
R	Radio
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
*	for models with 4 loudspeakers (8RE) only
**	for models with 8 loudspeakers (8RM) only
***	for models with 2 loudspeakers (8RD) only



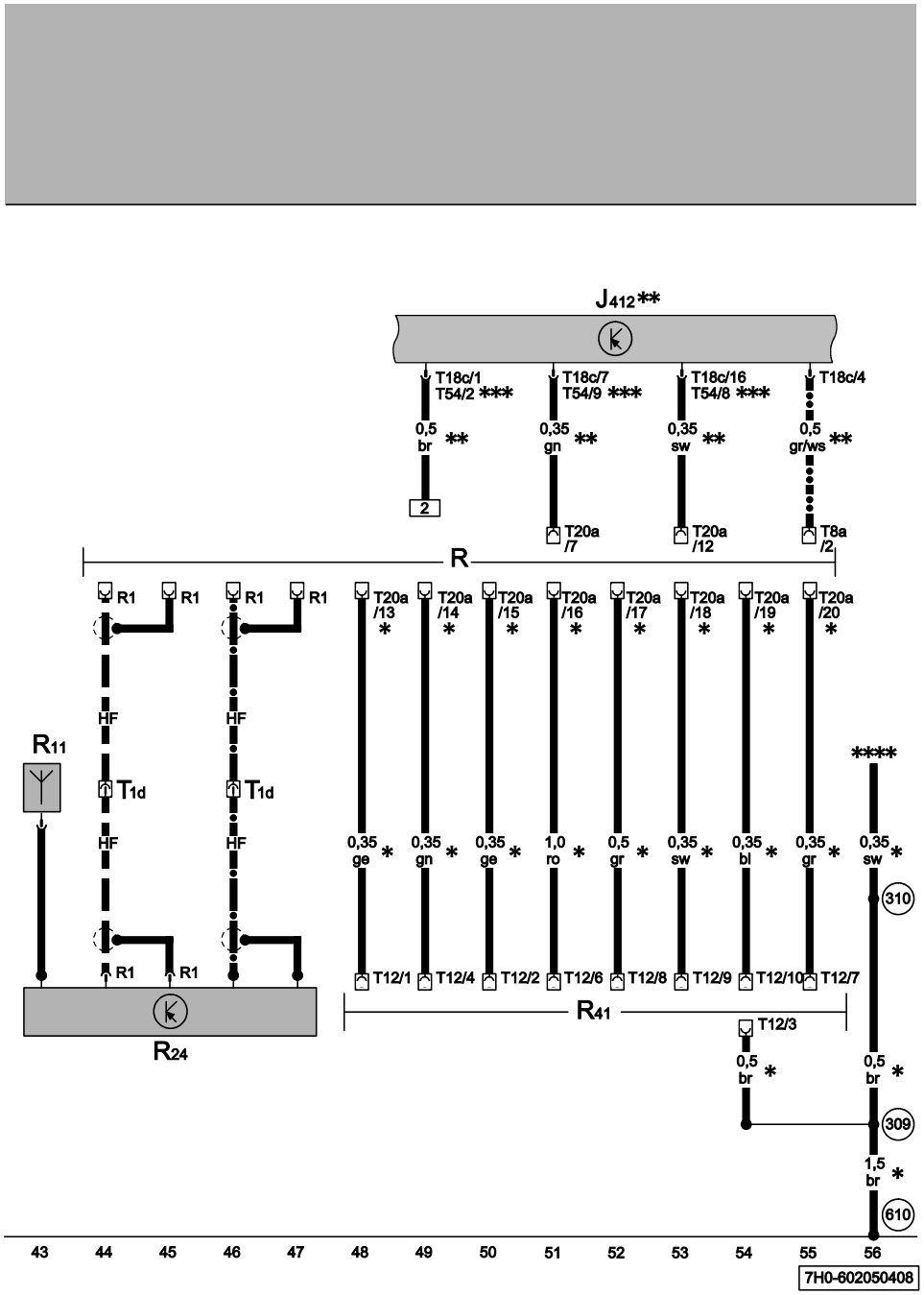
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, rear loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Radio, aerial, aerial amplifier, prepared for CD changer

J412	Mobile telephone operating electronics control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
T54	54-pin connector, black
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer only
**	for models with telephone preparation for mobile telephone (9ZG) only
***	applicable from November 2007
****	Wiring open end

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samba/
tools/

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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is dropped from November 2007

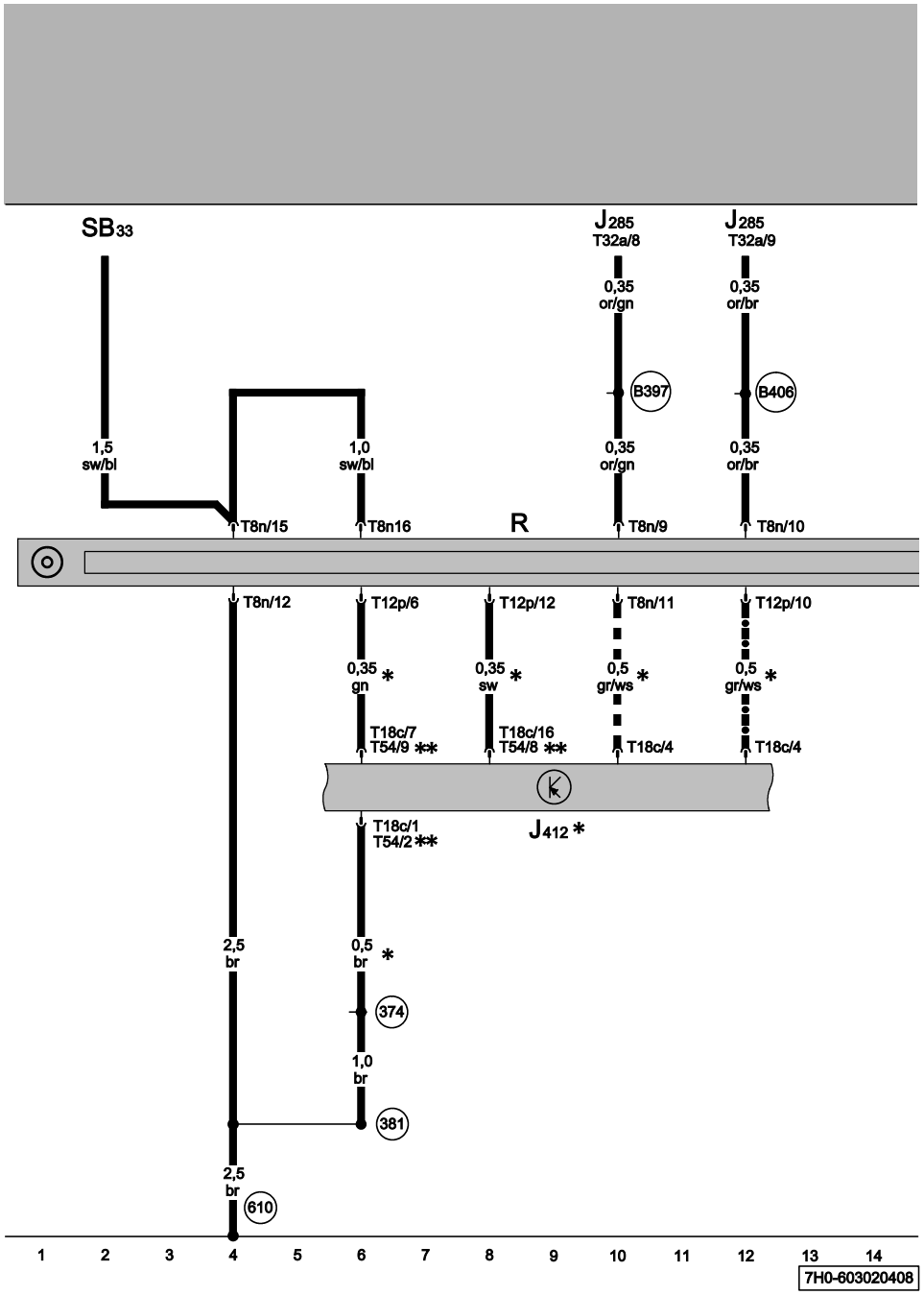
Radio system Delta (8UT), R110 (8YG), RCD200 (8UA), RCD200 MP3 (8AN)

⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Radio voltage supply, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T32a	32-pin connector, green
T54	54-pin connector, black
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with radio Delta (8UT), RCD200 (8UA), RCD200 MP3 (8AN) only, is dropped from November 2007
<fo:external-graphic src="/../PDOC/	only for models with radio R110 (8YG), is dropped from November 2007

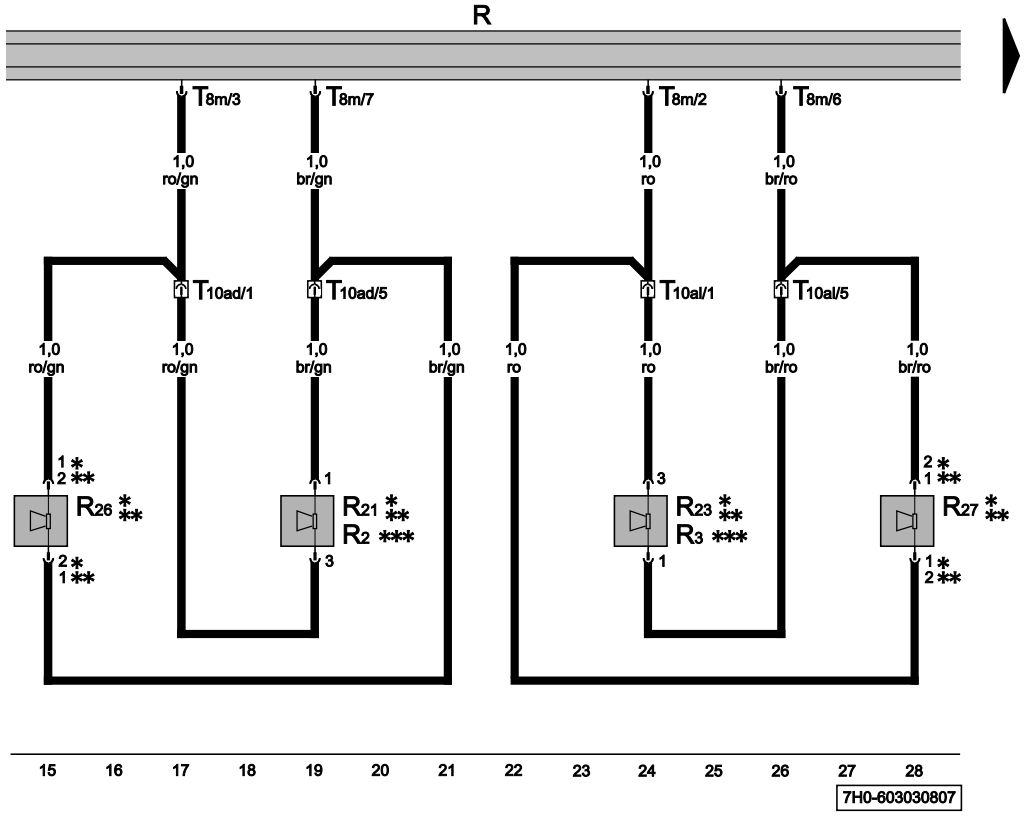
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, front loudspeaker

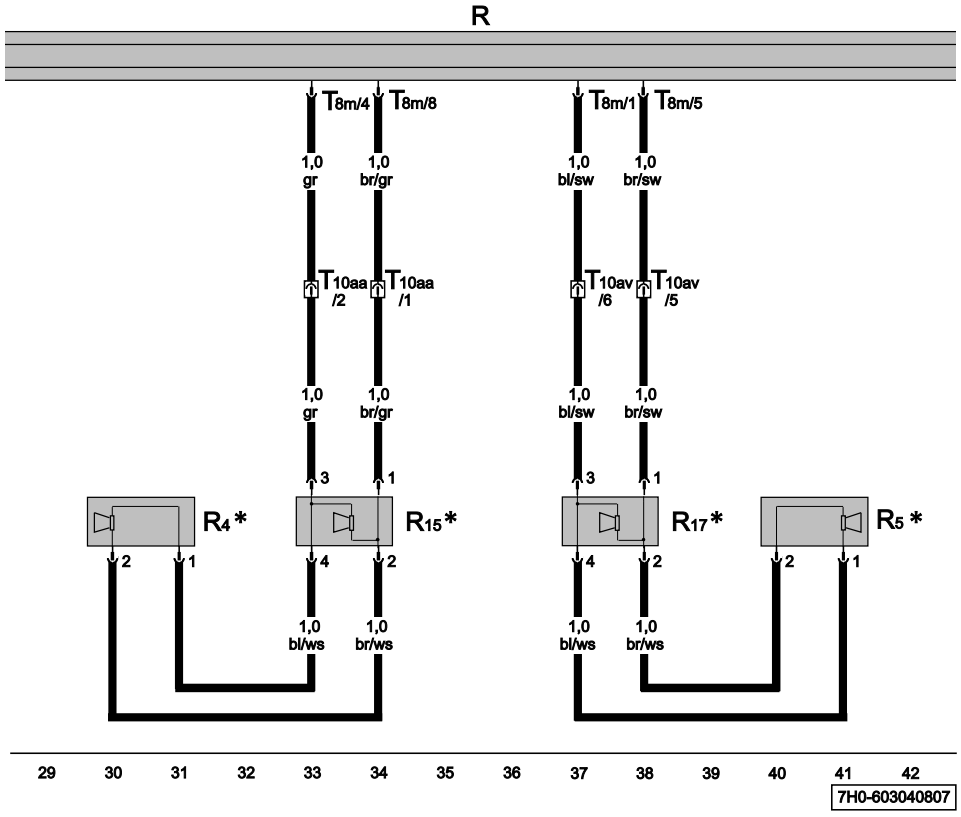
R	Radio
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
*	for models with 4 loudspeakers (8RE) only
**	for models with 8 loudspeakers (8RM) only
***	for models with 2 loudspeakers (8RD) only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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ge	=	yellow
or	=	orange
rs	=	pink

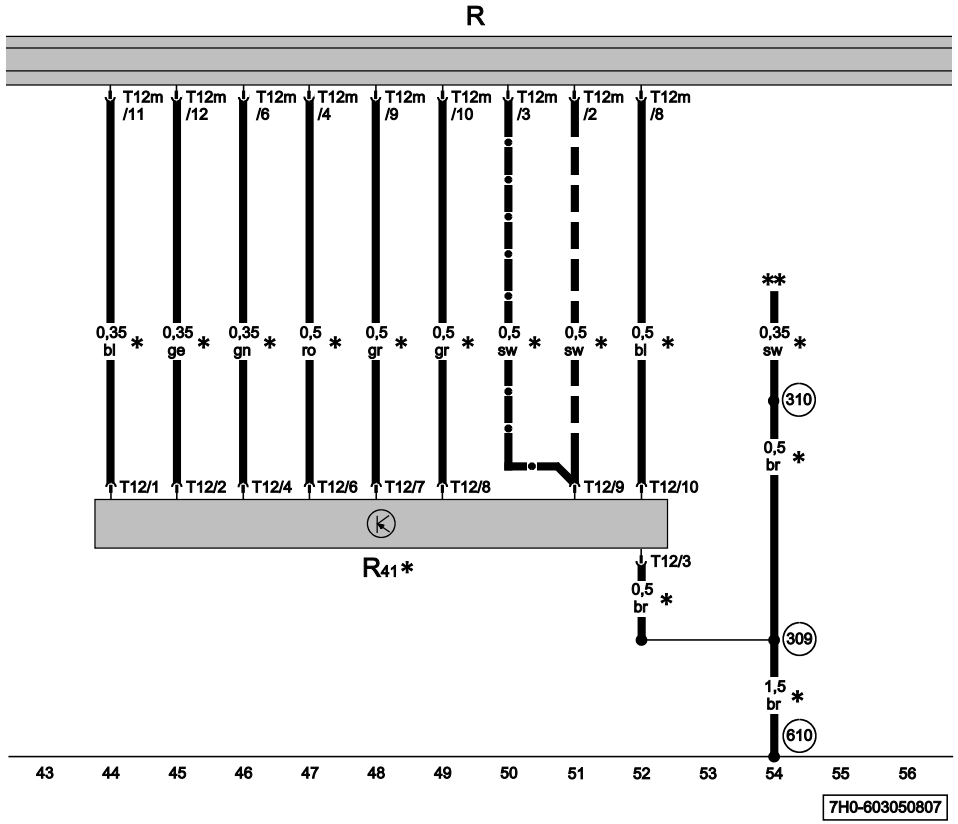
Radio, rear loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



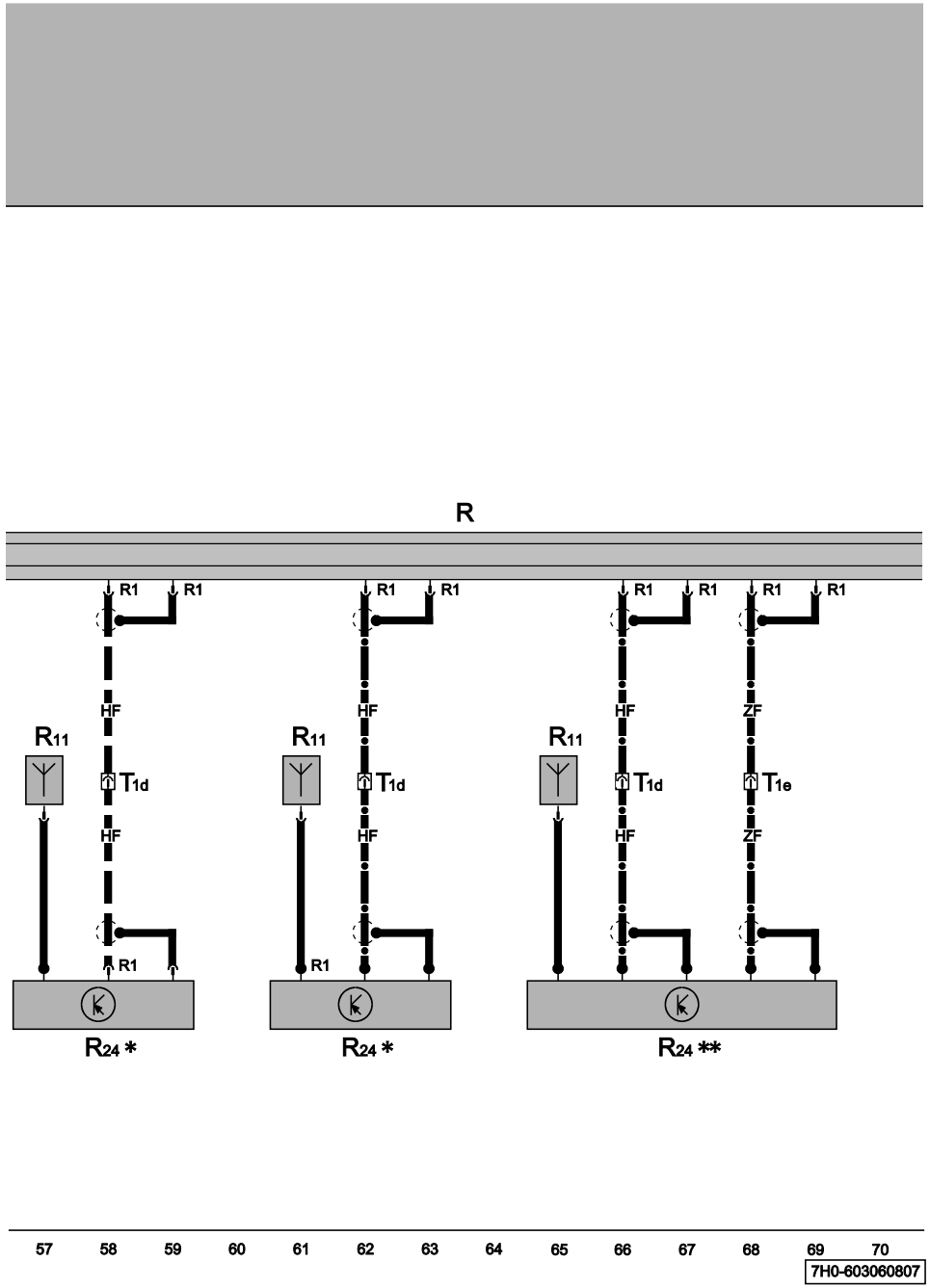


Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end
<fo:exter	for models with radio Delta (8UT), RCD200 (8UA), RCD200
nal-	MP3 (8AN) only
graphic	
src="/../	
PDOC/	
samba/	
tools/	
png-	
convert/	
out//slp/	
ft_icons/	
m_m.png	
" content-	
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uniform"/	
>	
<fo:exter	for models with radio R110 (8YG) only
nal-	
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PDOC/	
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tools/	
png-	
convert/	
out//slp/	
ft_icons/	
m_k_m.p	
ng"	
content-	
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scaling="	

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br	=	brown	
gn	=	green	
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



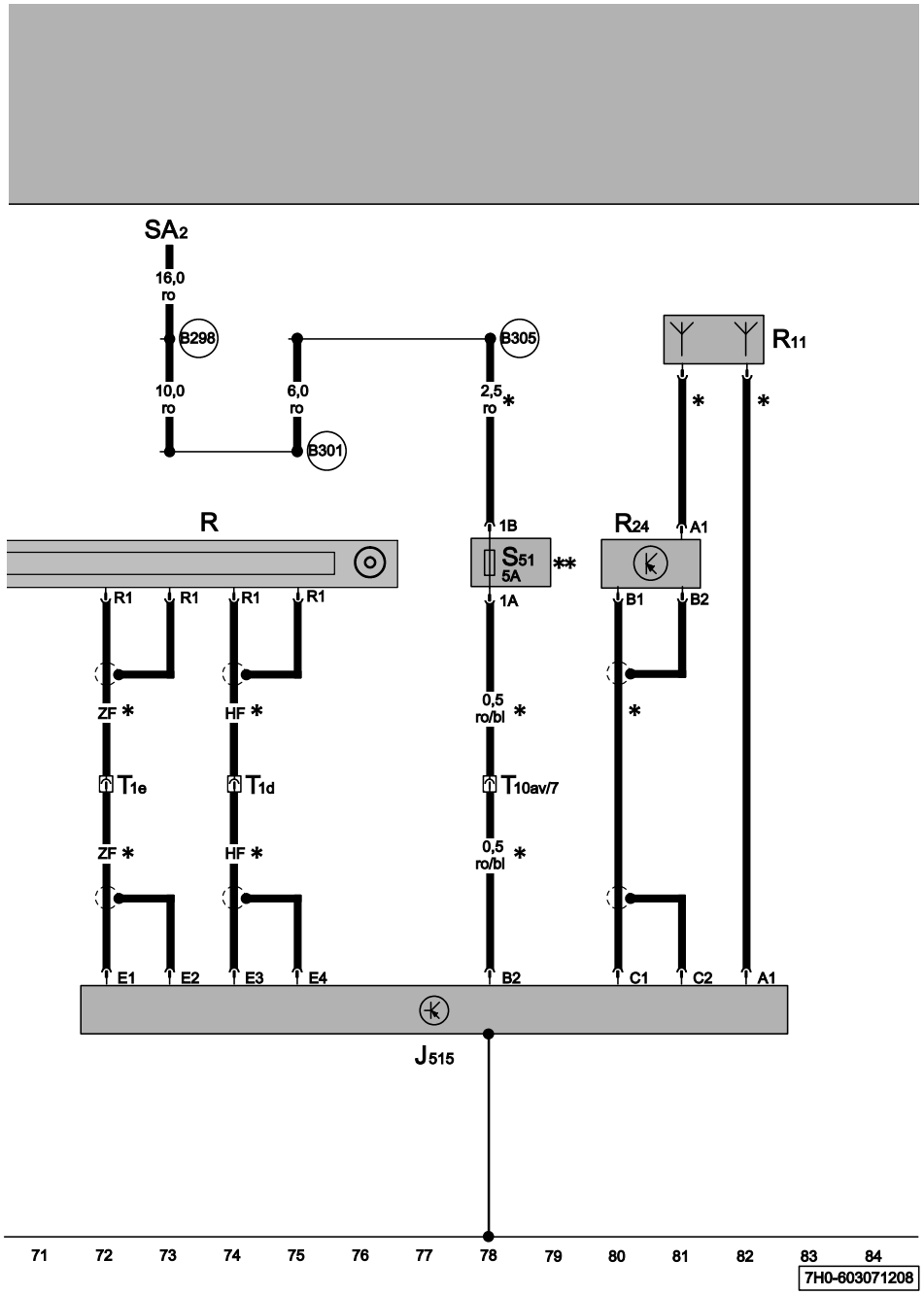
ws = white
sw = black
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, aerial, aerial amplifier

R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
*	for models with radio R110 (8YG), RCD200 (8UA), RCD200 MP3 (8AN) only
**	for camper with radio Delta (8UT) only

<fo:exter for models with aerial in side window only
nal-
graphic
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samba/
tools/
png-
convert/
out//slp/
ft_icons/
m_m.png
" content-
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0pt"
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<fo:exter for models with aerial in windscreen only
nal-
graphic
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samba/
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out//slp/
ft_icons/
m_k_m.p
ng"
content-
width="2
0pt"
scaling="
uniform"/
>



Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with radio Delta (8UT) and diversity window aerial (8L6) only, not for camper
**	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

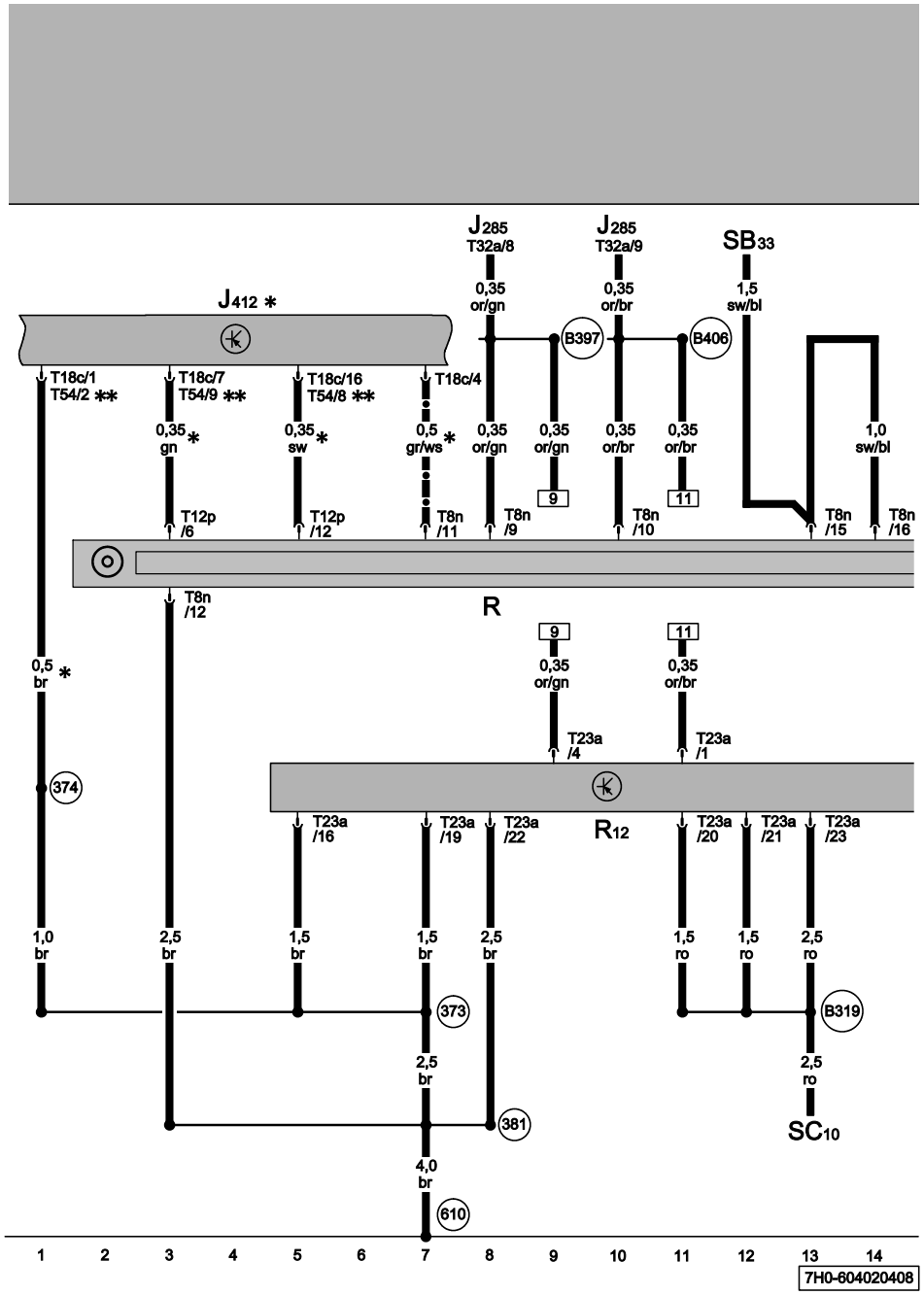
Radio system Delta (8UT) with sound package (9VK) and without voice enhancement (DVE) (VX0)

⇒ **8 channel amplifier (9VK)**
⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Voltage supply, radio, amplifier, mobile telephone operating electronics control unit

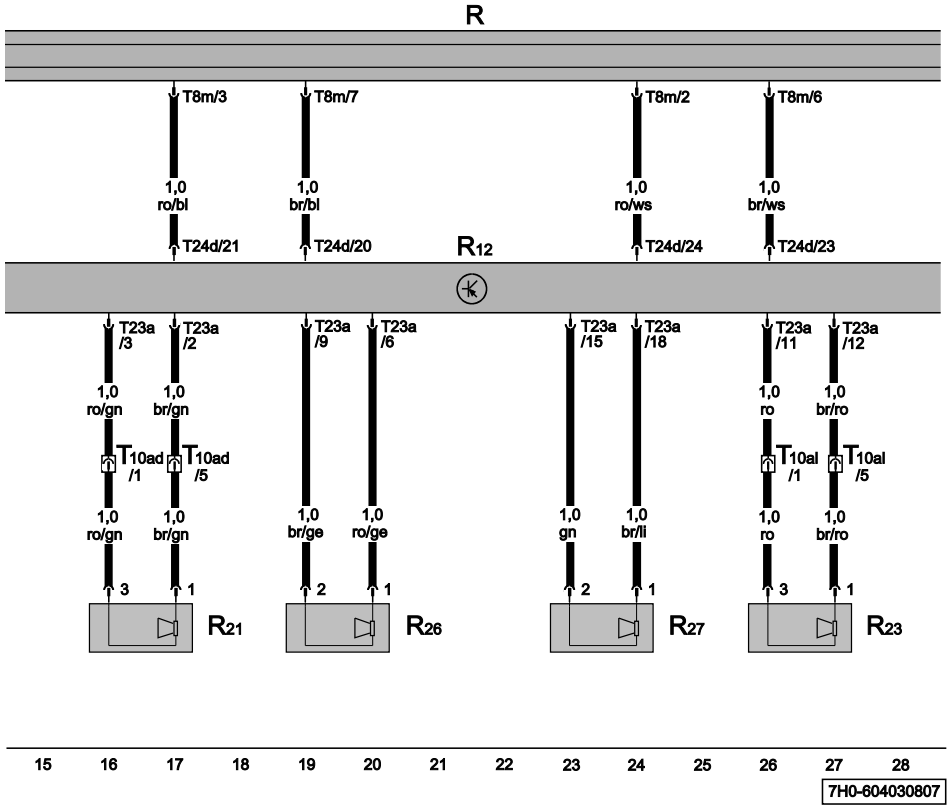
J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23a	23-pin connector, red
T32a	32-pin connector, green
T54	54-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="2 is dropped from November 2007

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gn	=	green	>
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gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	

Radio, amplifier, front loudspeakers

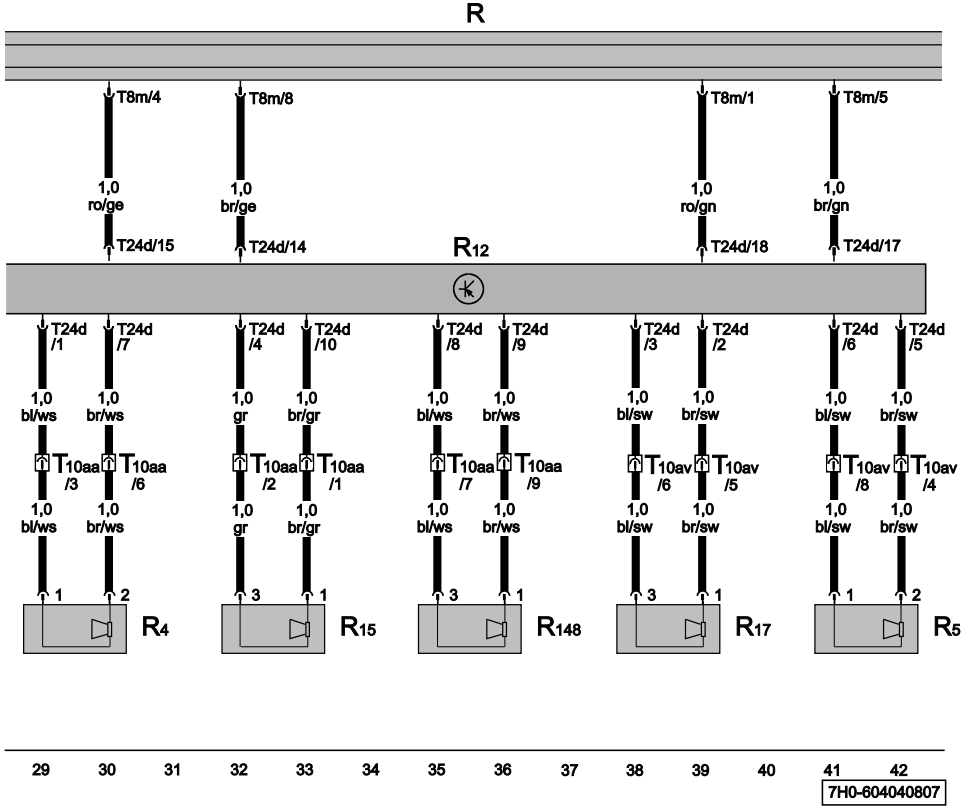
R	Radio
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, amplifier, rear loudspeakers, middle loudspeaker

R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

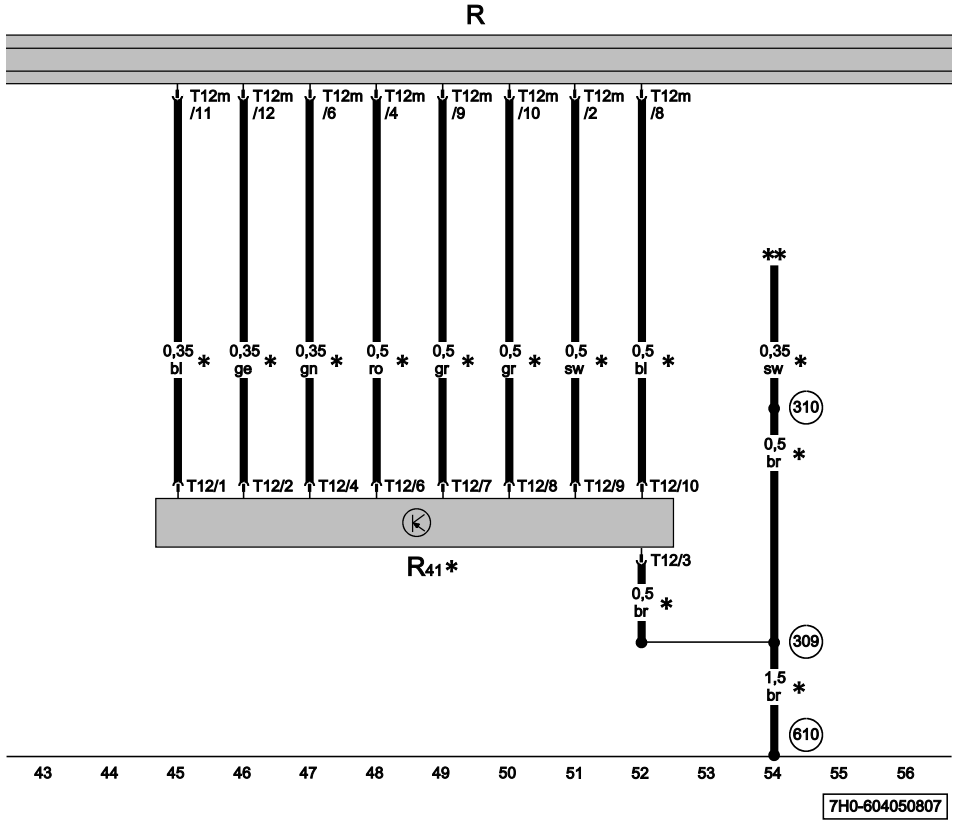


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



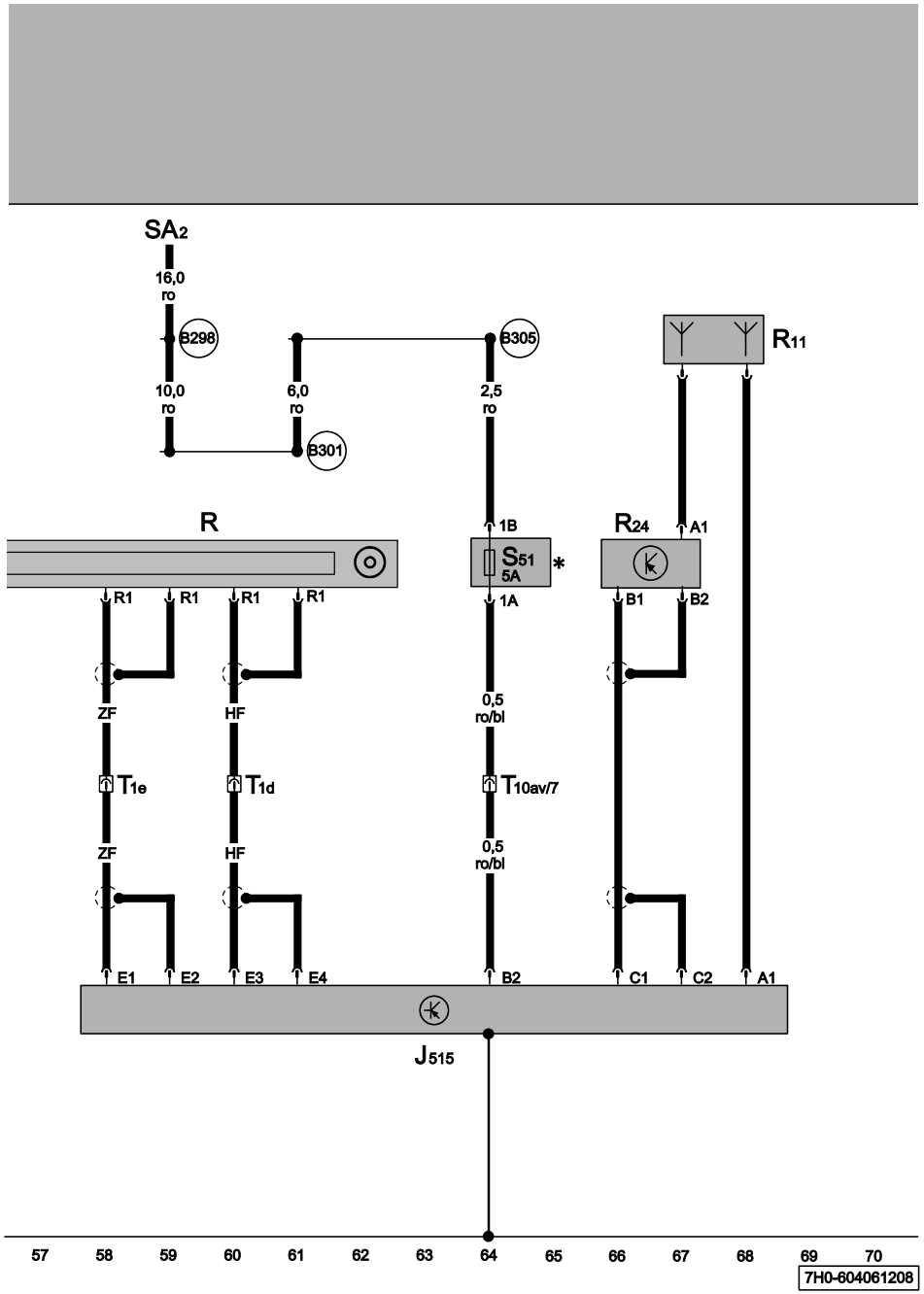
Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier



J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
SA2	Fuse 2 on fuse holder A
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

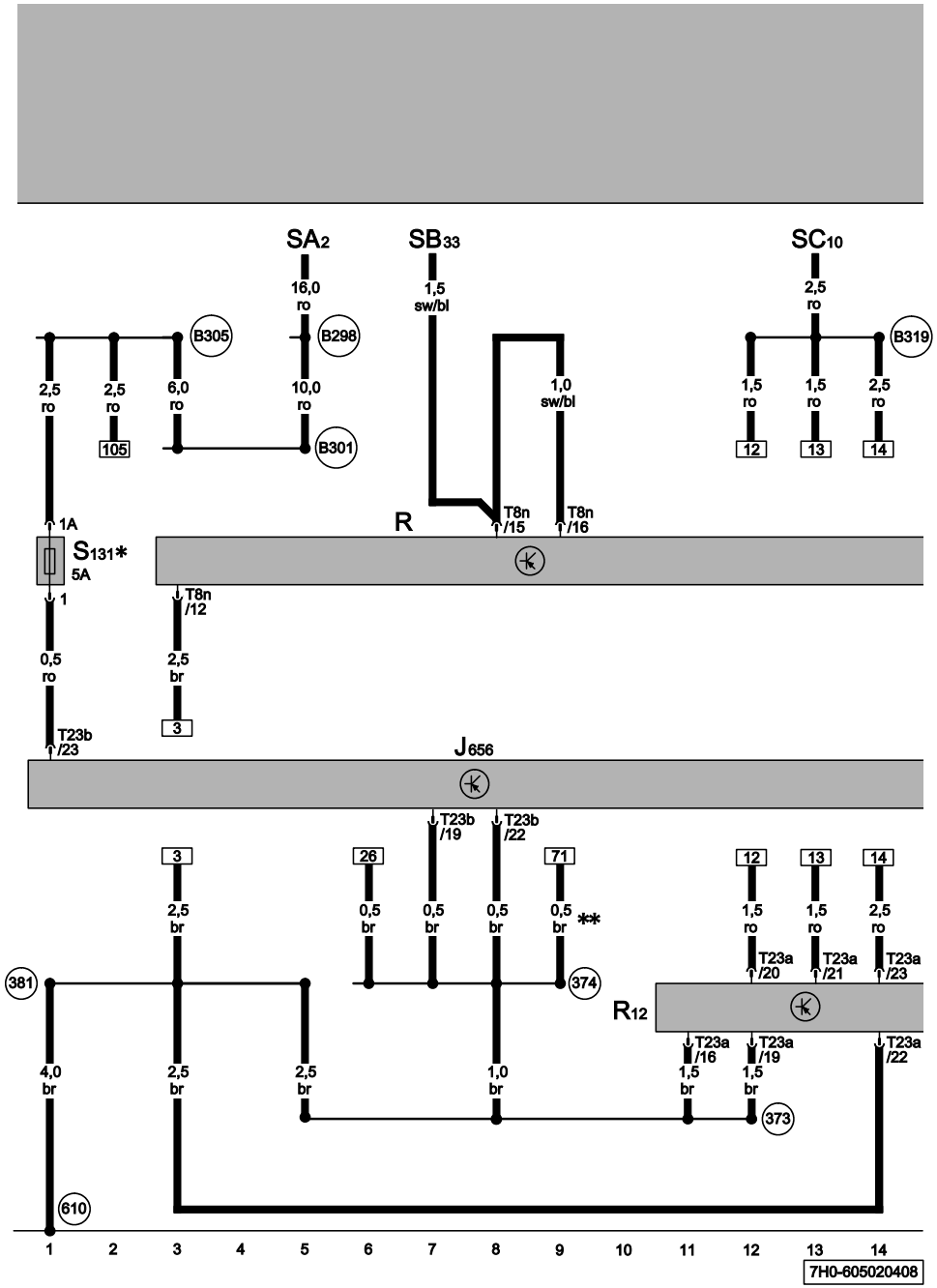
Radio system Delta (8UT) with sound package (9VK) and voice enhancement (DVE) (VX2)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

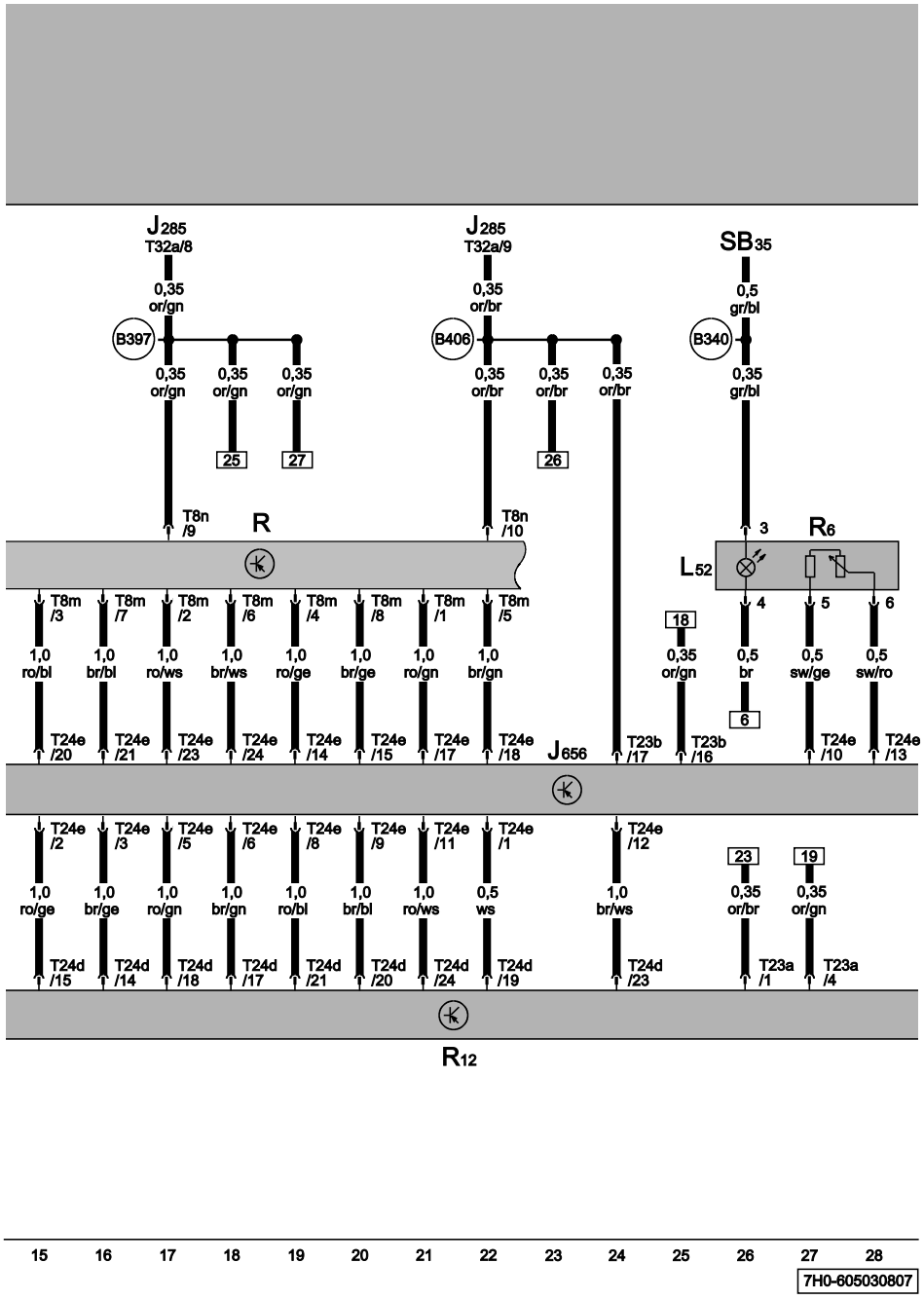
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, radio, voice amplification control unit, amplifier

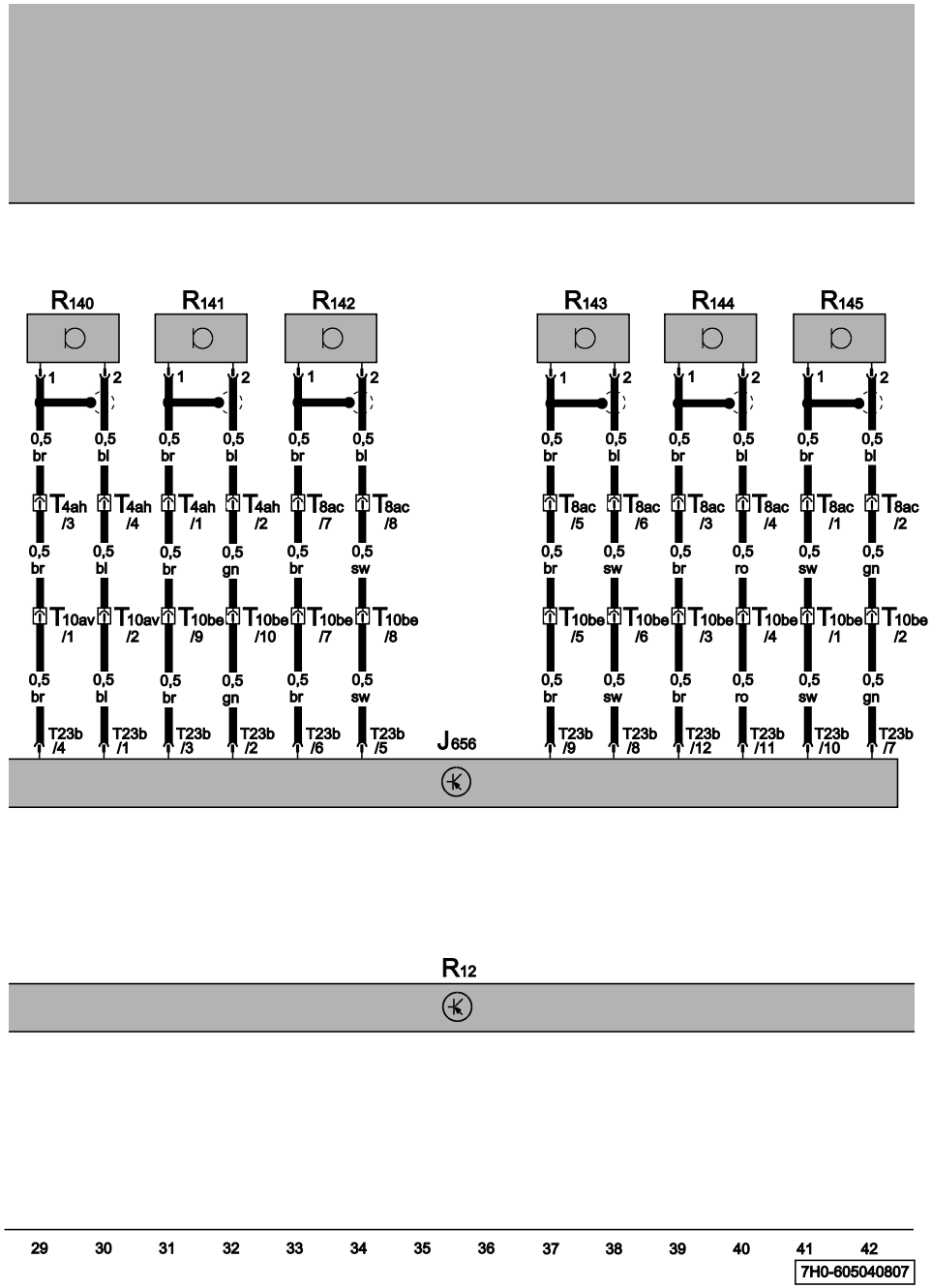
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations
**	for models with telephone preparation for mobile telephone (9ZG) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J656	Voice amplification control unit
L52	Light connection for fader regulator
R	Radio
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



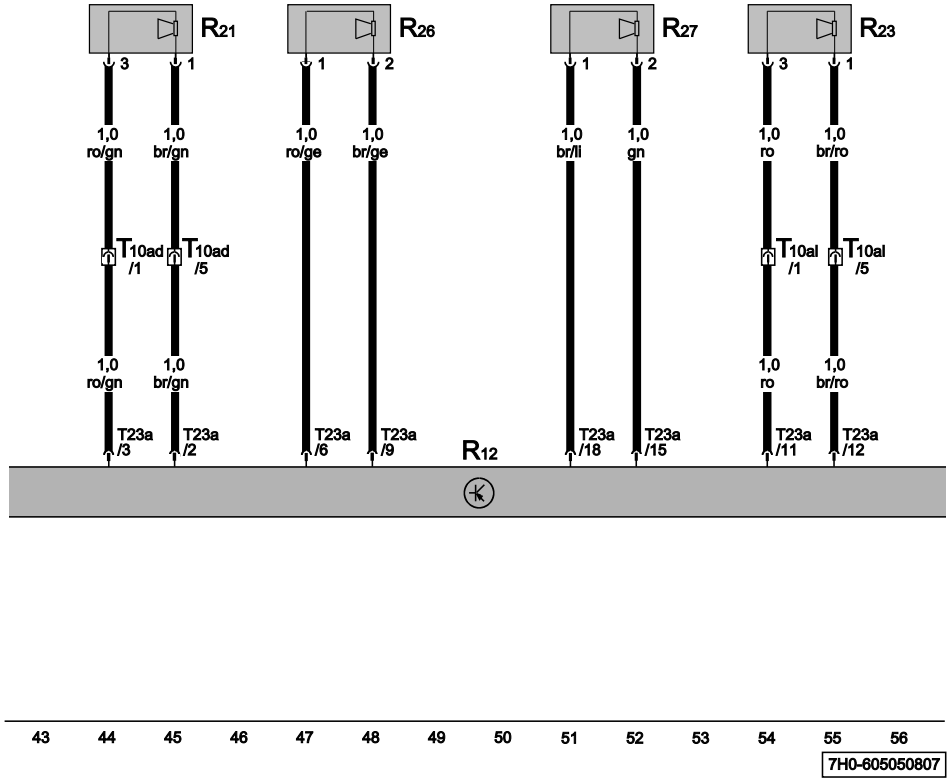
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

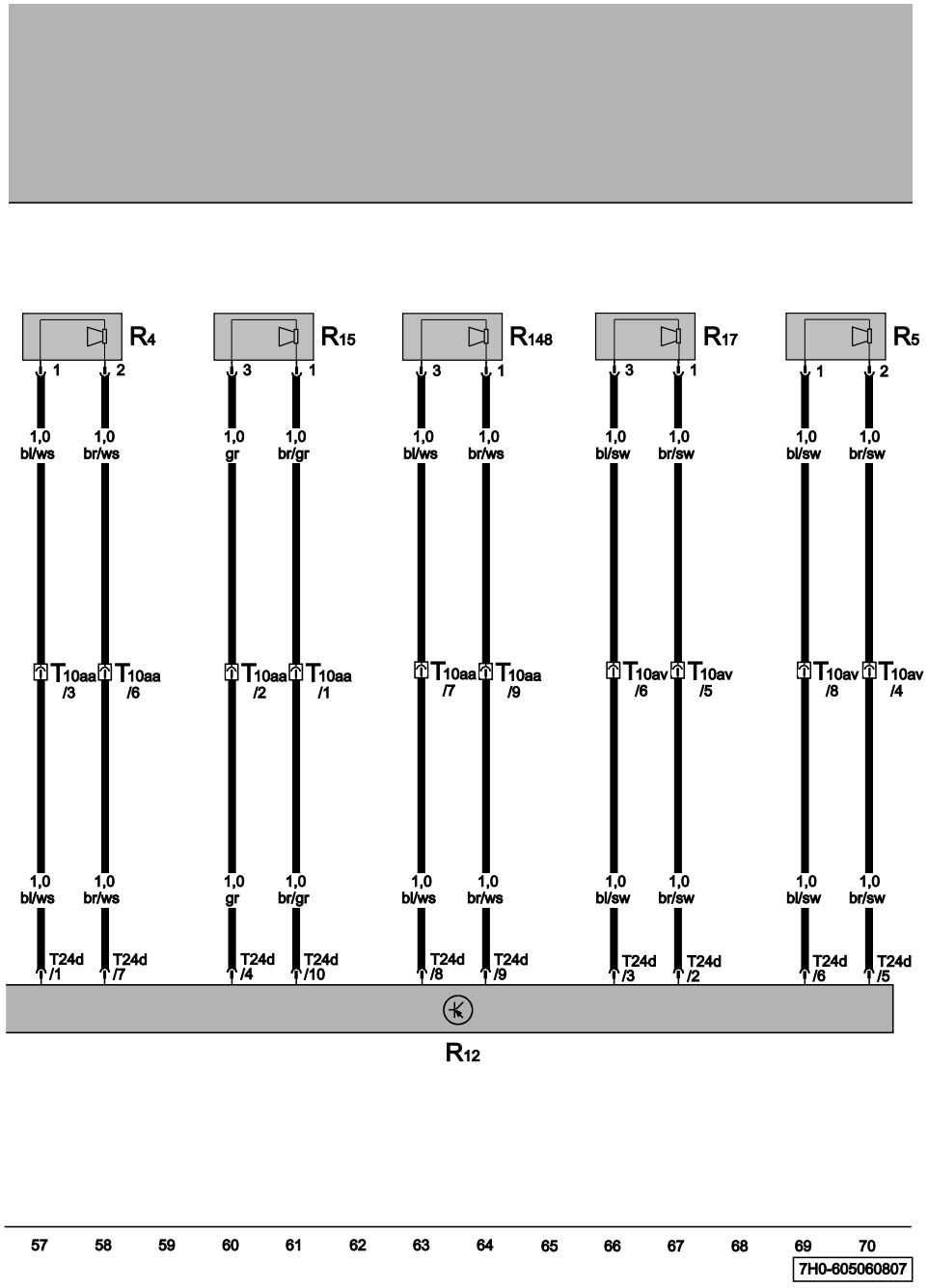
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeakers, middle loudspeaker

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

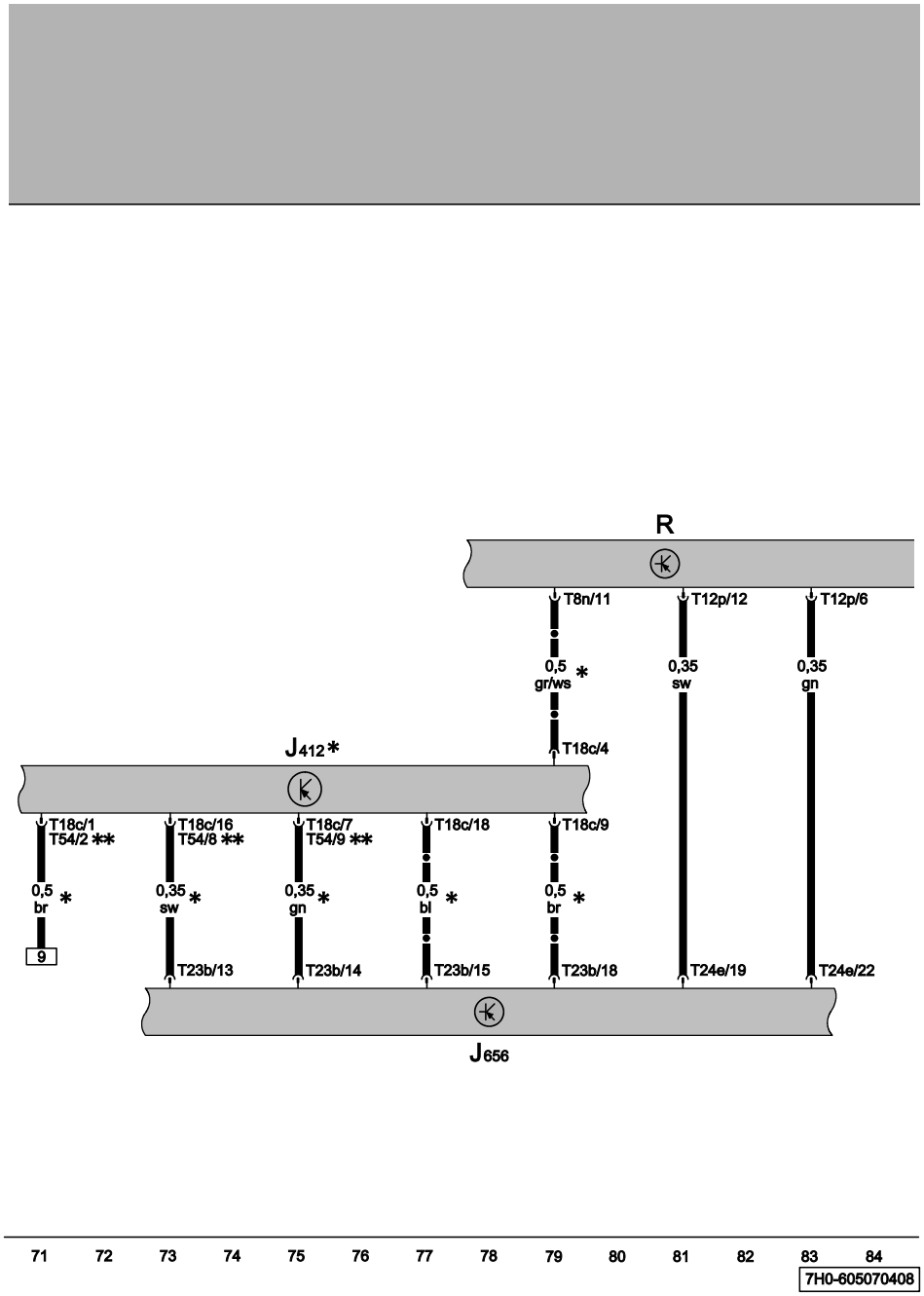
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, voice amplification control unit, mobile telephone operating electronics control unit, aerial, aerial amplifier

J412	Mobile telephone operating electronics control unit
J656	Voice amplification control unit
R	Radio
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23b	23-pin connector, black
T24e	24-pin connector
T54	54-pin connector, black
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007

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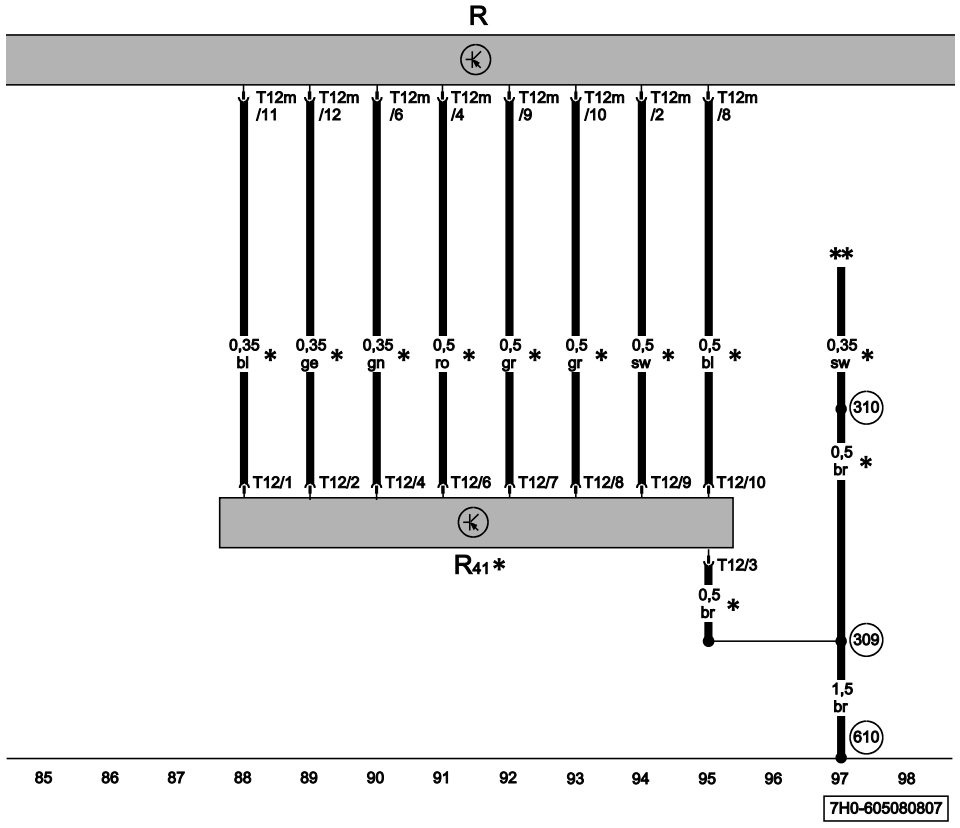
is dropped from November 2007



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, CD changer

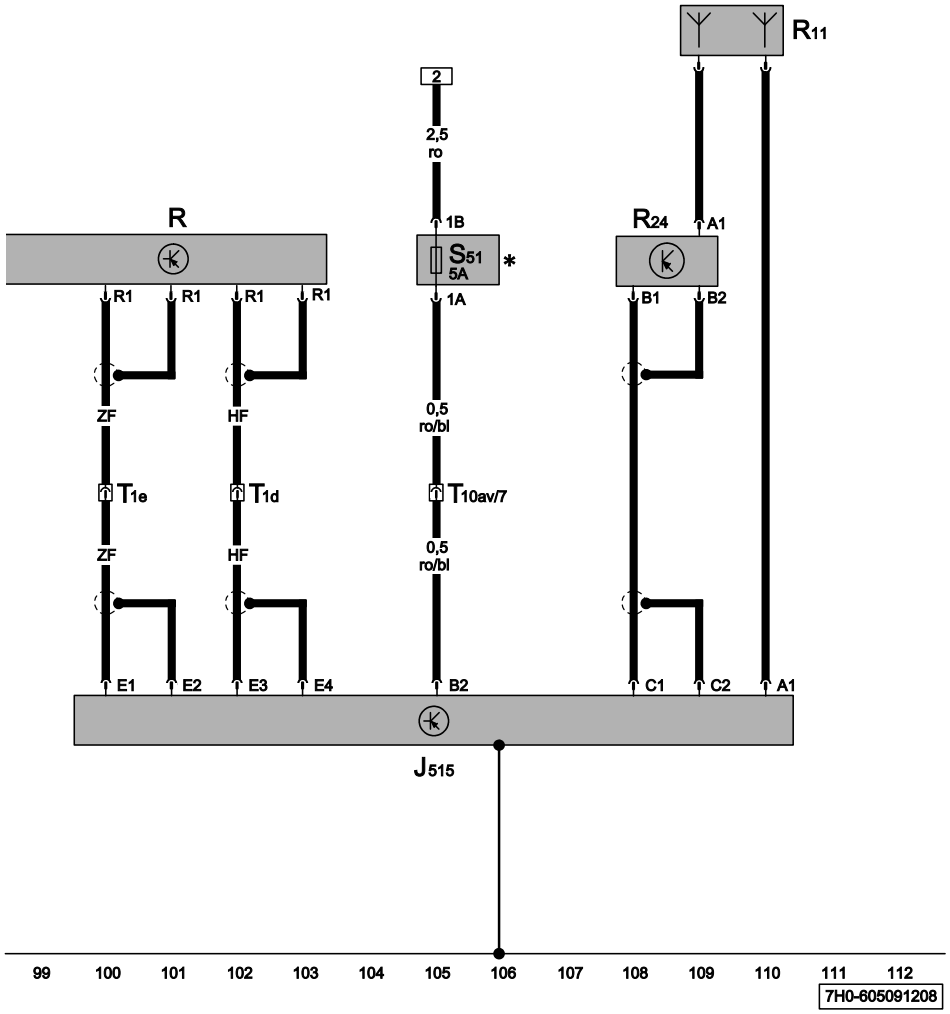
R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radio, aerial selection control unit, aerial, aerial amplifier

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
*	On relay carrier, left seat box, ⇒ Fitting Locations



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

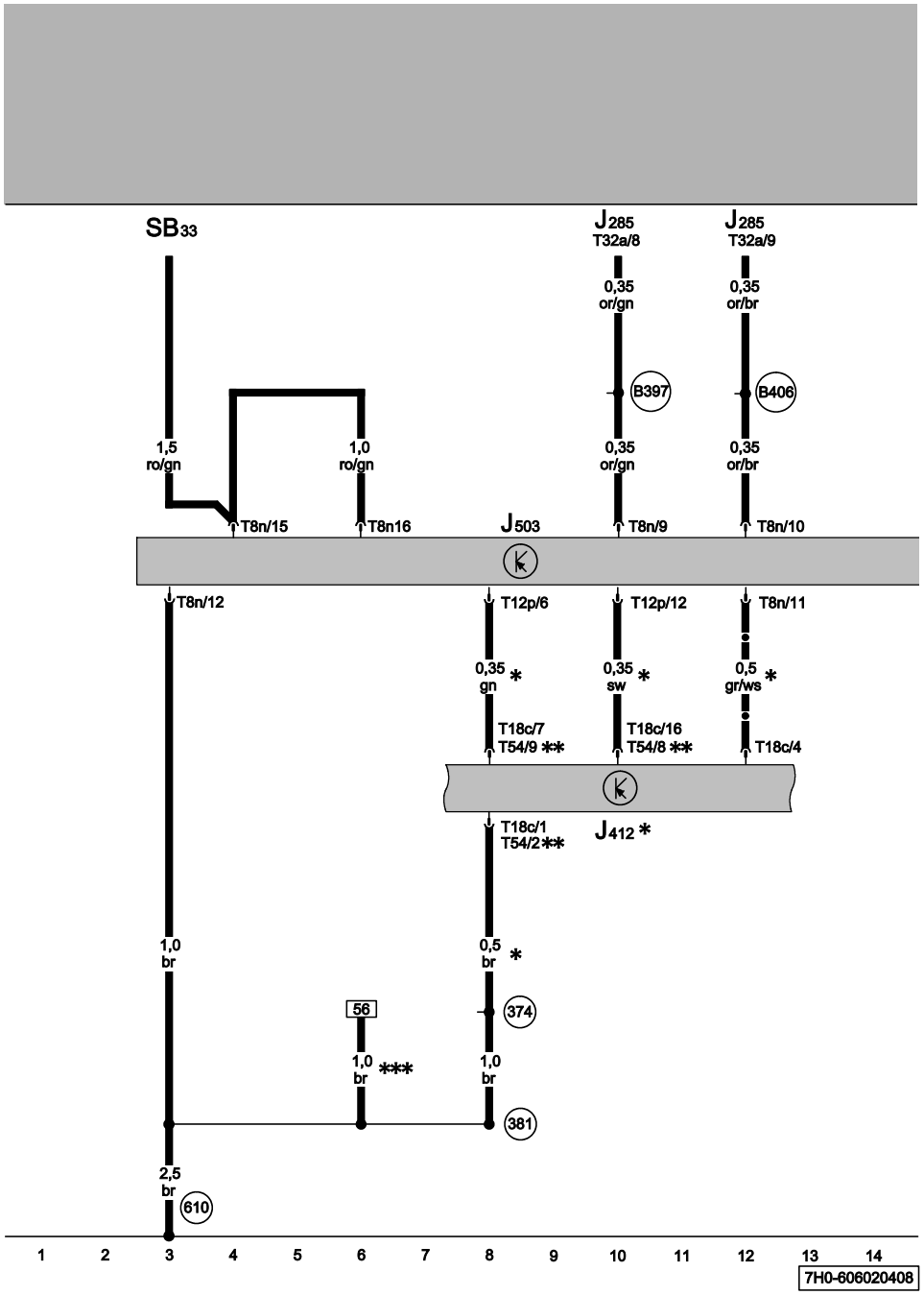
Radio and navigation system with colour display (7Q2)

⇒ **8 loudspeakers (8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

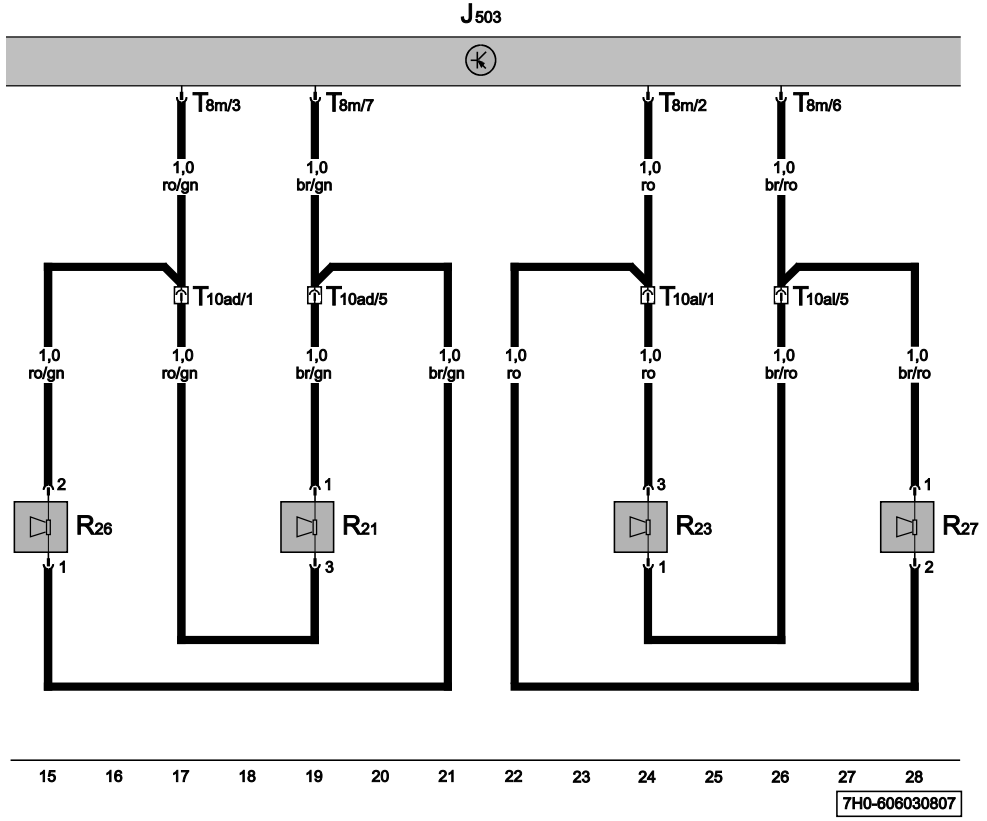
Navigation system voltage supply, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SB33	Fuse 33 on fuse holder B
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T32a	32-pin connector, green
T54	54-pin connector, black
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007
***	for models with multimedia bus for external audio source (9WL) only

<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>
is dropped from November 2007

Control unit with display for radio and navigation system, front loudspeaker

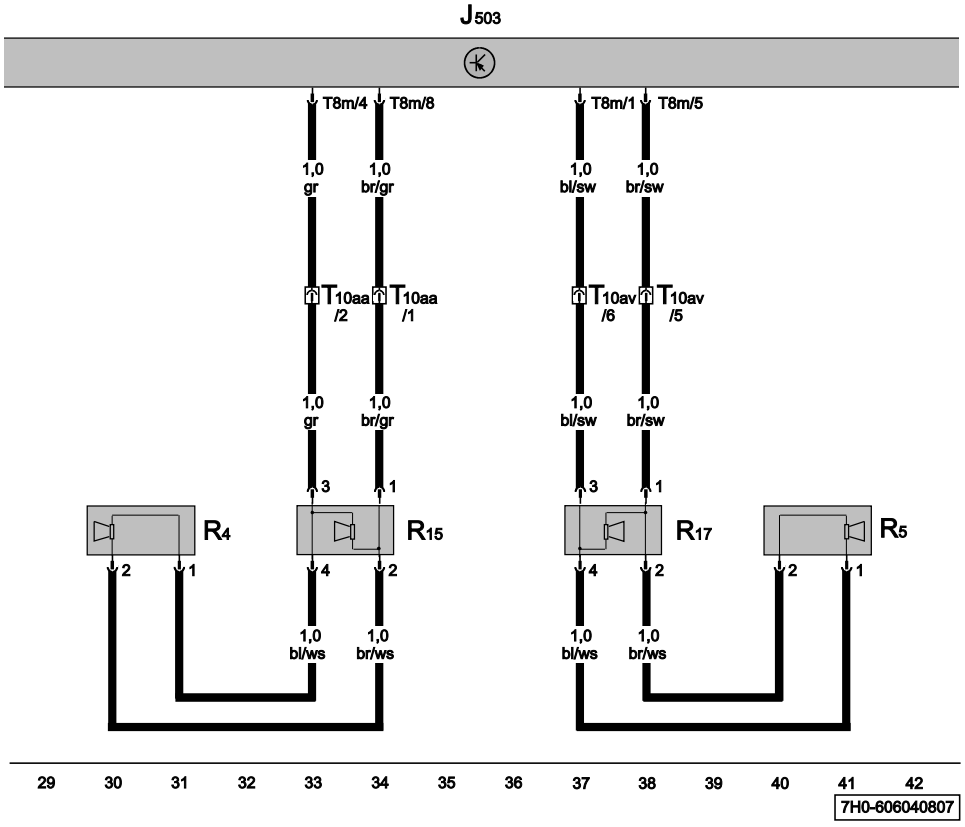
J503	Control unit with display for radio and navigation system
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar



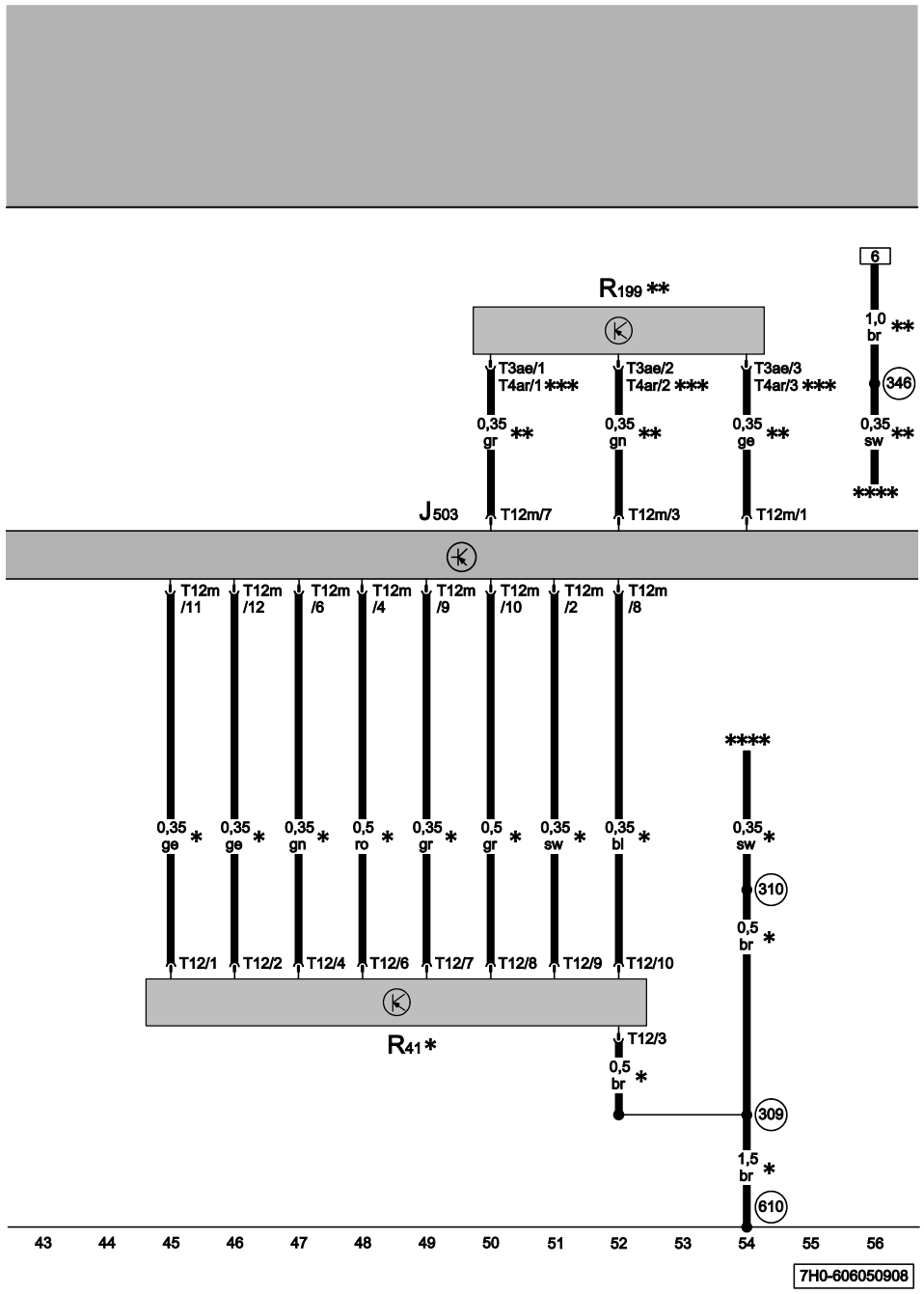
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat



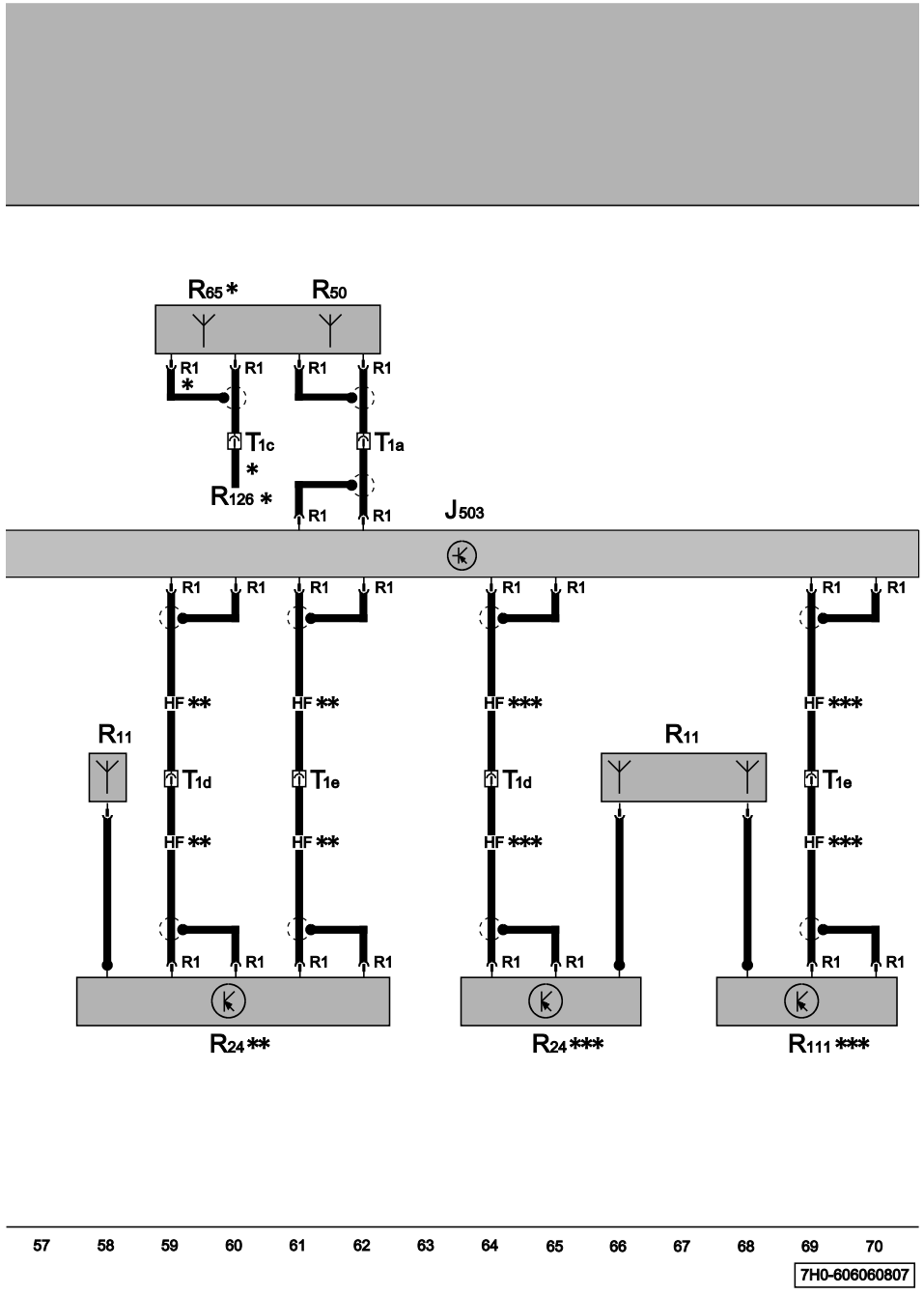
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T4ar	4-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	applicable from November 2007
****	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R50	Navigation system aerial
R65	Telephone aerial
R111	Aerial amplifier 2
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with aerial in windscreen (camper) only
***	for models with aerial in side window (multivan) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

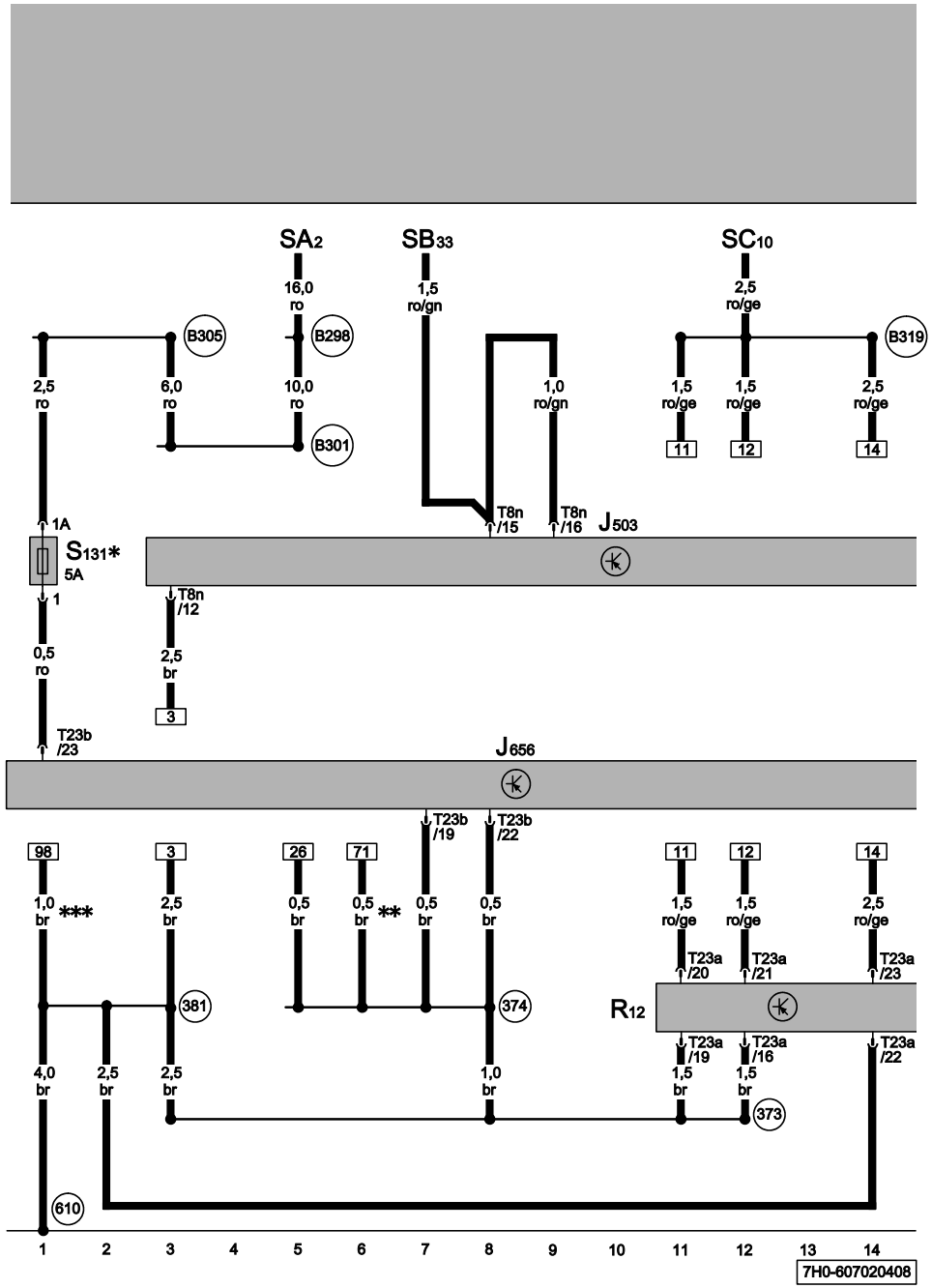
Radio and navigation system (RNS-DVD) with colour display (7Q2), sound package (9VK) and voice amplification (DVE) (VX2)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

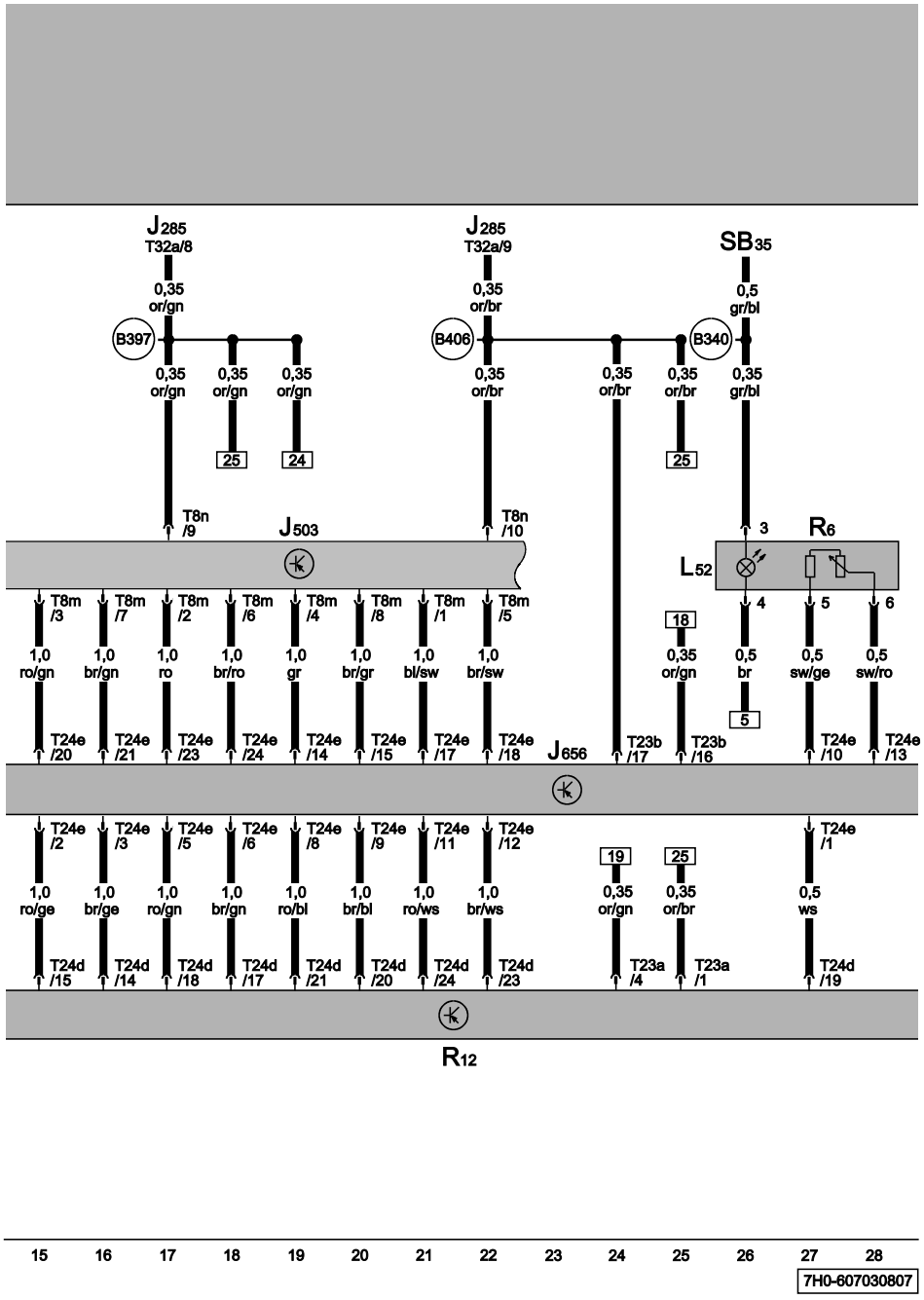
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Voltage supply, control unit with display for radio and navigation system, voice amplification control unit, amplifier

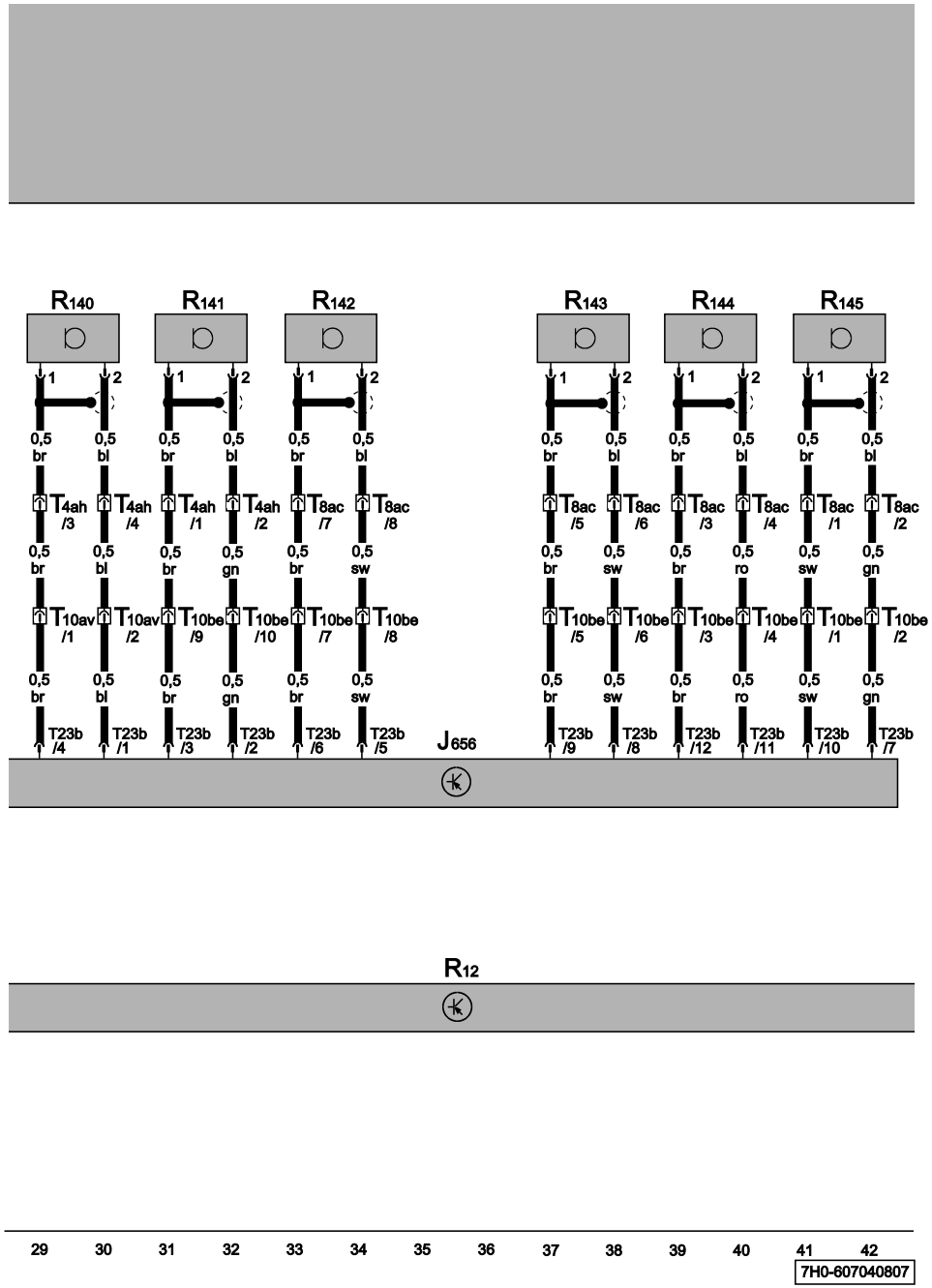
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R12	Amplifier
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations
**	for models with telephone preparation for mobile telephone (9ZG) only
***	for models with multimedia bus for external audio source (9WL) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voice amplification control unit, balance control, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
L52	Light connection for fader regulator
R6	Balance control
R12	Amplifier
SB35	Fuse 35 on fuse holder B
T8m	8-pin connector
T8n	8-pin connector
T23a	23-pin connector, red
T23b	23-pin connector, black
T24d	24-pin connector, brown
T24e	24-pin connector
T32a	32-pin connector, green
B340	Connection 1 (58d), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



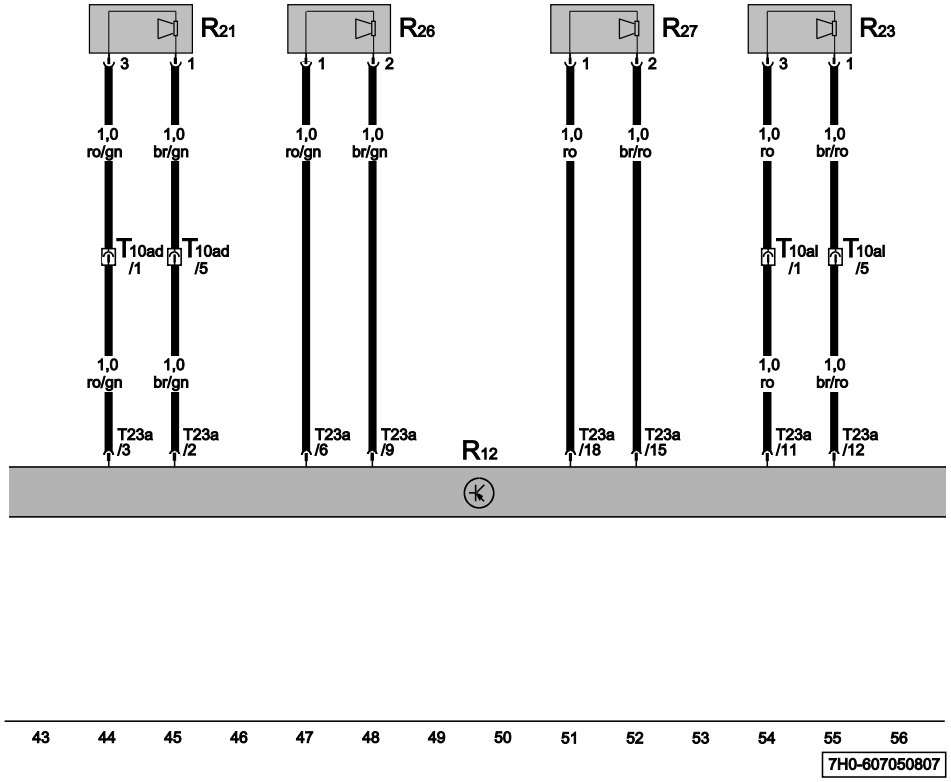
Voice amplification control unit, front microphone, centre and rear

J656	Voice amplification control unit
R12	Amplifier
R140	Front left microphone
R141	Front right microphone
R142	Centre left microphone
R143	Centre right microphone
R144	Rear left microphone
R145	Rear right microphone
T4ah	4-pin connector, black, right B-pillar upper
T8ac	8-pin connector, black, right B-pillar upper
T10av	10-pin connector, brown, coupling station under front passenger seat
T10be	10-pin connector, green, coupling station under front passenger seat
T23b	23-pin connector, black

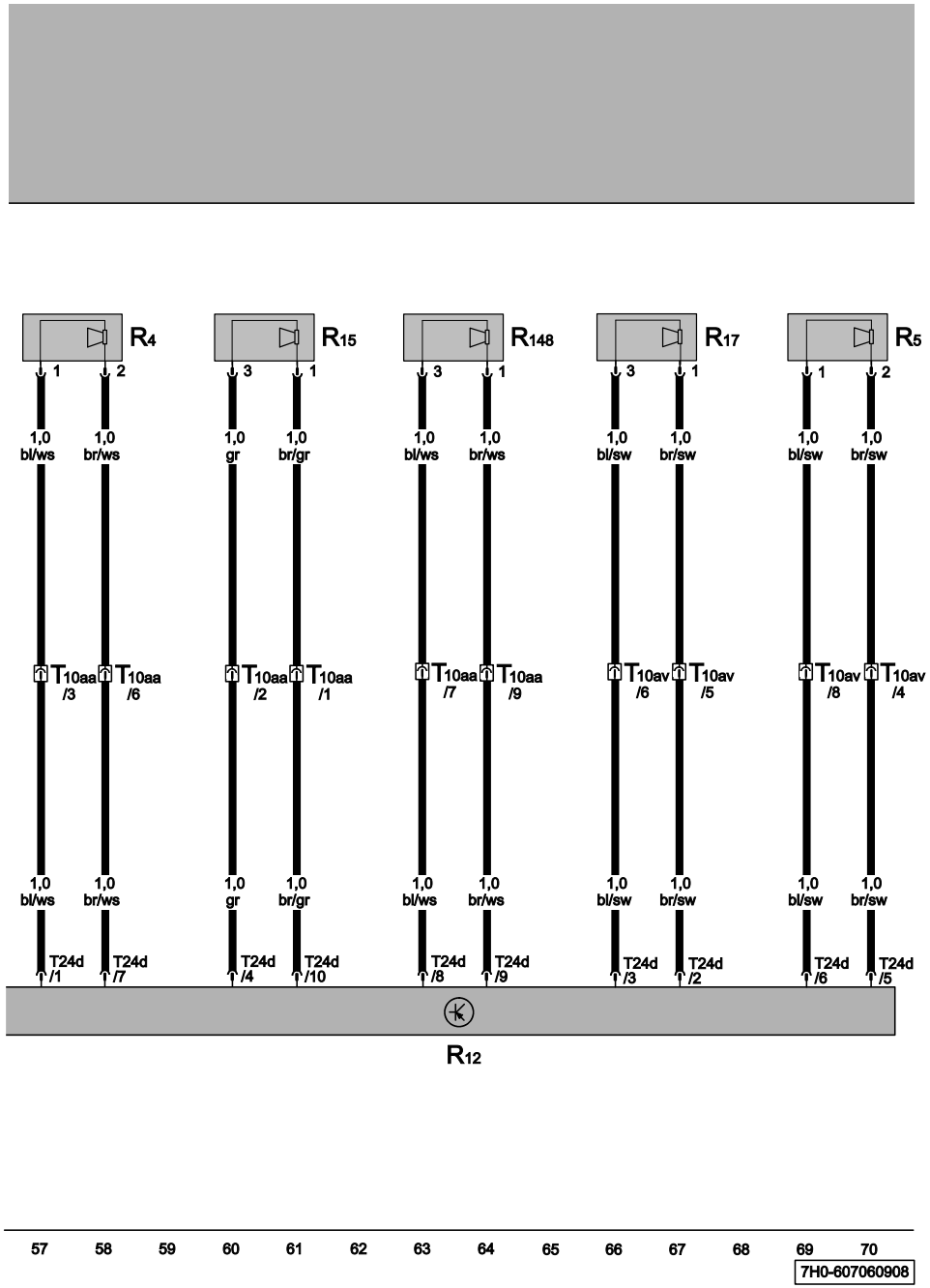
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Amplifier, front loudspeaker

R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red



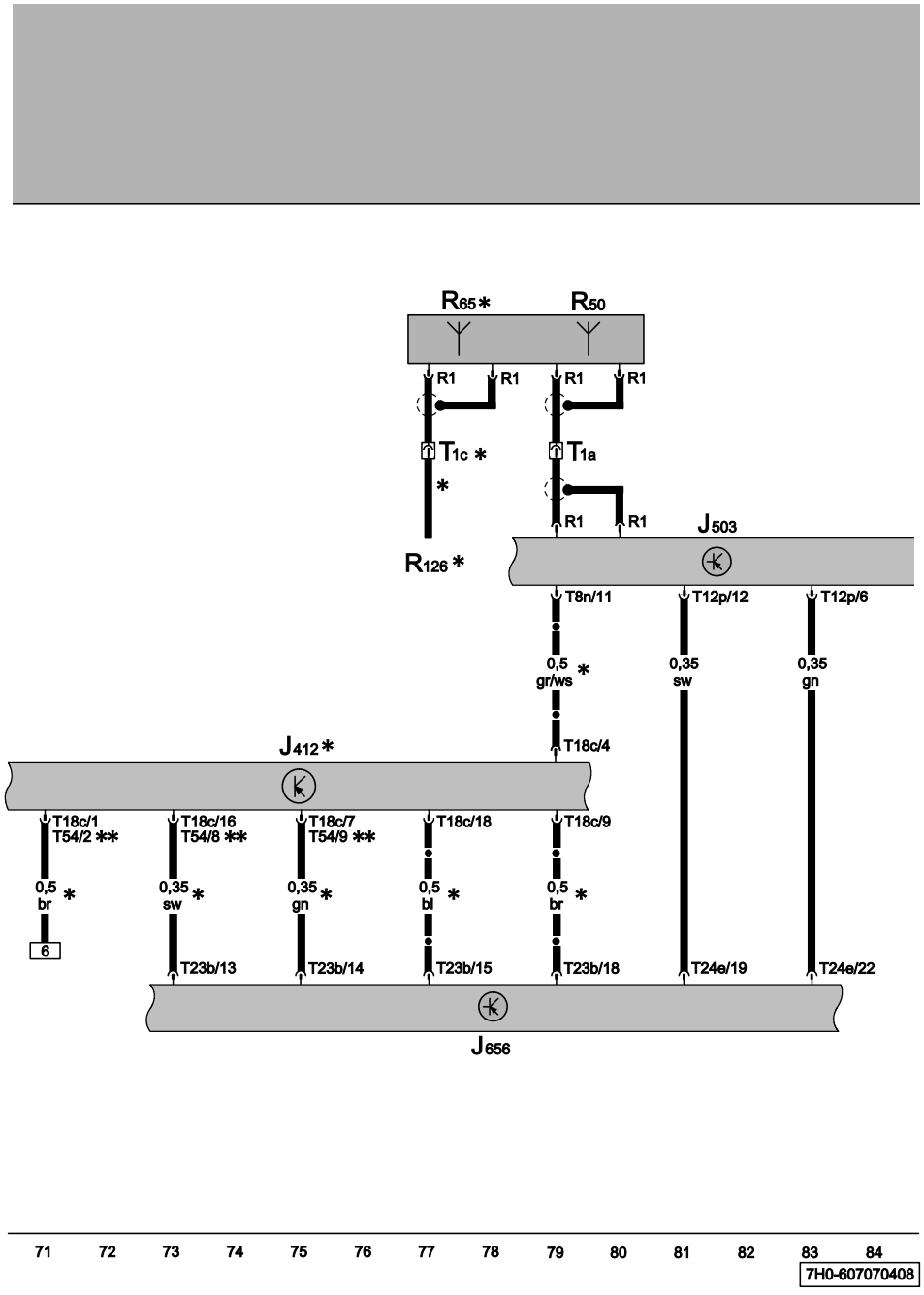
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Amplifier, rear loudspeakers, middle loudspeaker

R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

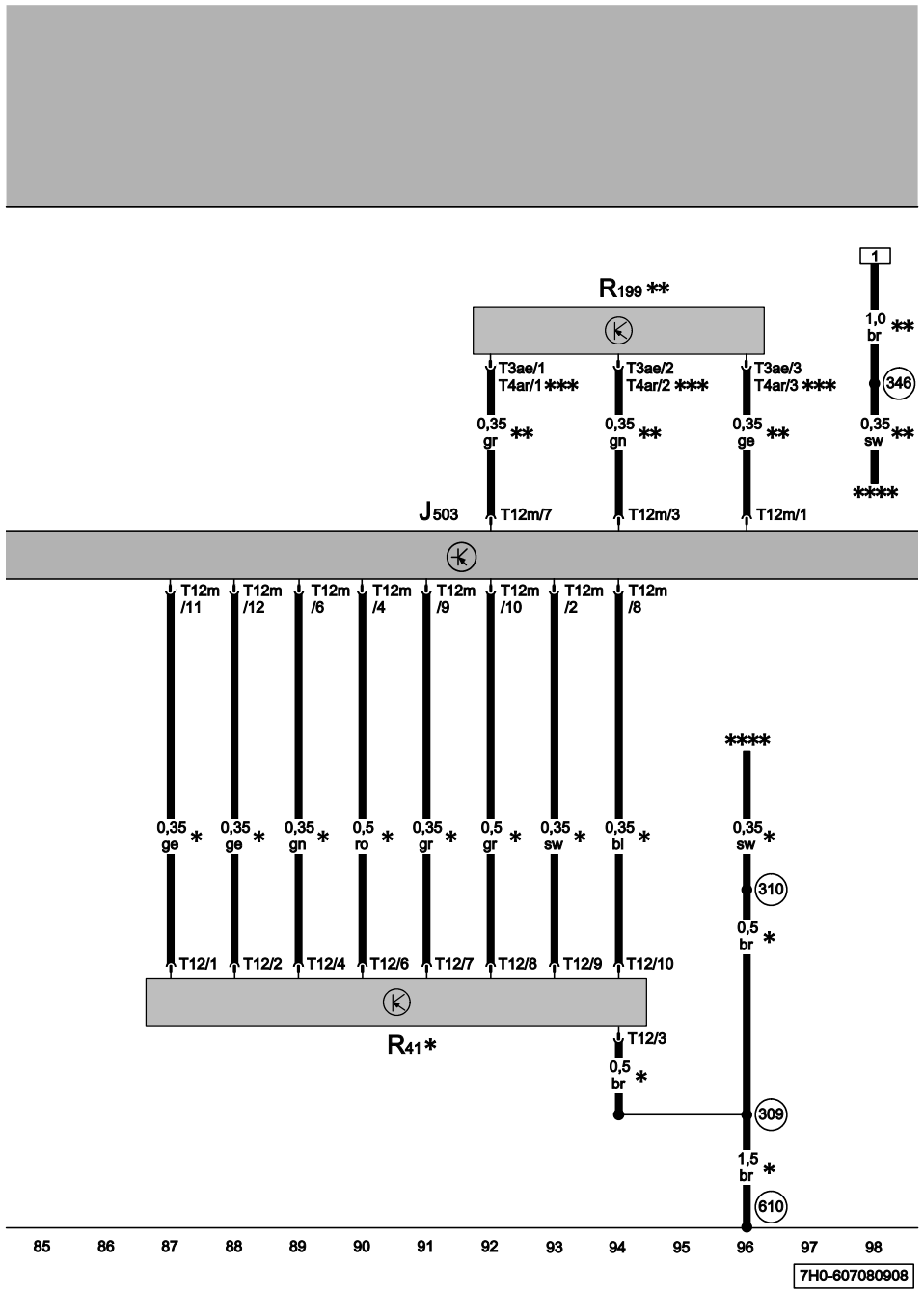


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voice amplification control unit, mobile telephone operating electronics control unit, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J656	Voice amplification control unit
R1	Aerial connection
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23b	23-pin connector, black
T24e	24-pin connector
T54	54-pin connector, black
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007

<fo:exter is dropped from November 2007
nal-
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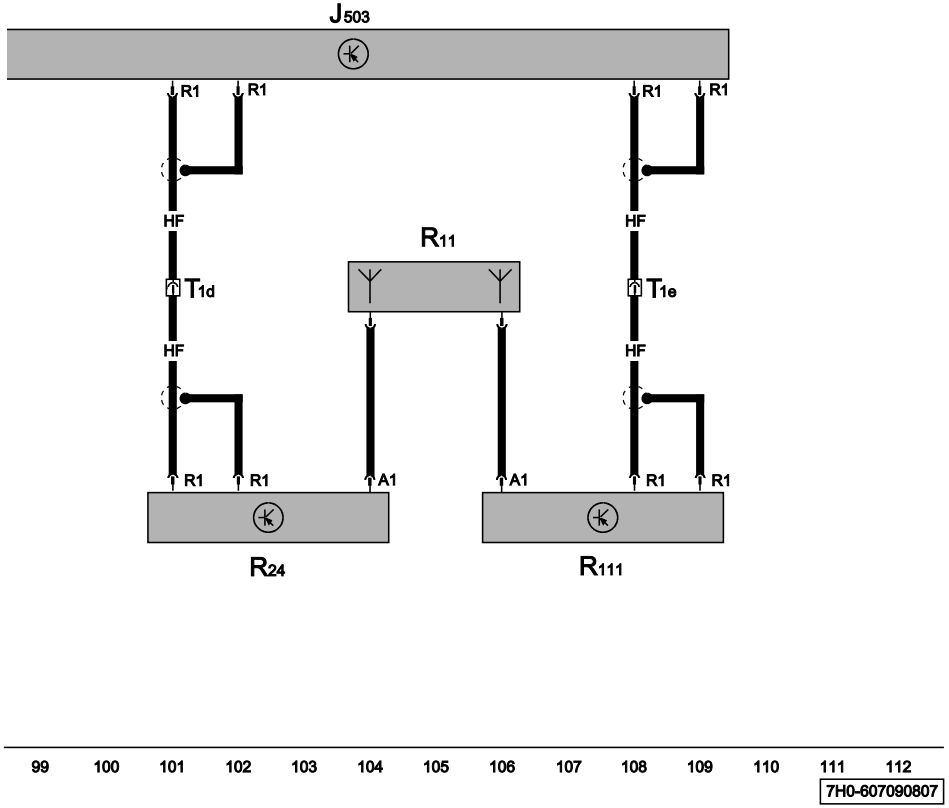
Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T4ar	4-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	applicable from November 2007
****	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, aerial, aerial amplifier

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

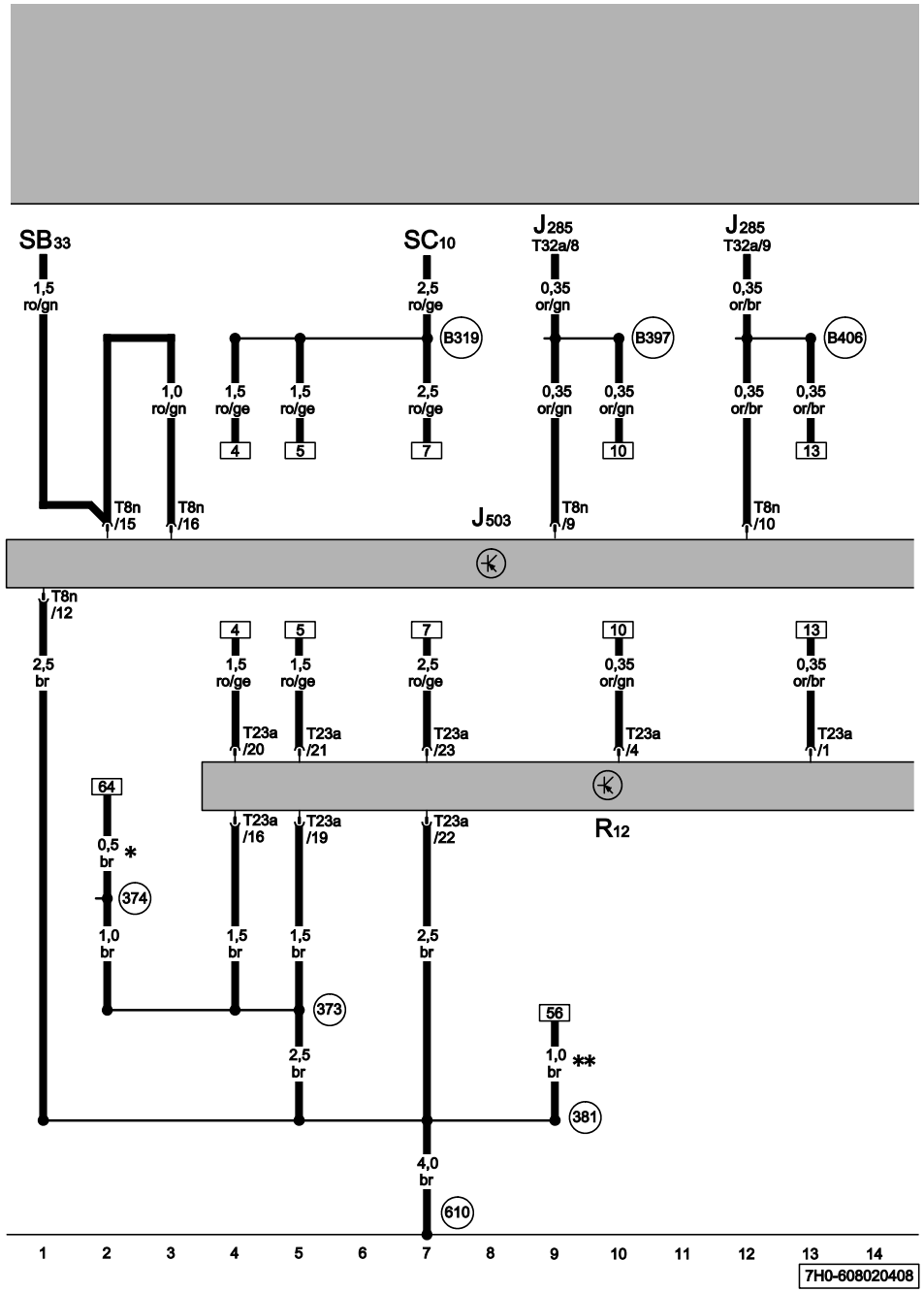
Radio and navigation system (RNS-DVD) with colour display (7Q2), sound package (9VK) and without voice amplification (DVE) (VX0)

⇒ **8 loudspeakers (9VK), 1 middle loudspeaker (Subwoofer) (9VK)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



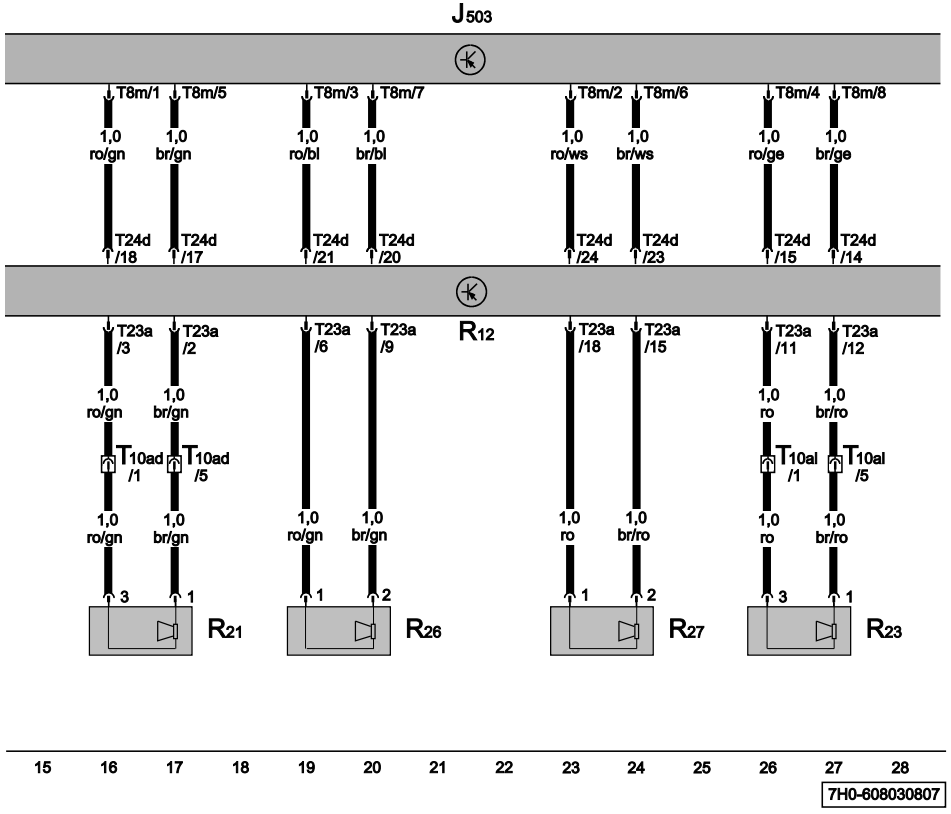
Voltage supply, control unit with display for radio and navigation system, amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with multimedia bus for external audio source (9WL) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, front loudspeaker

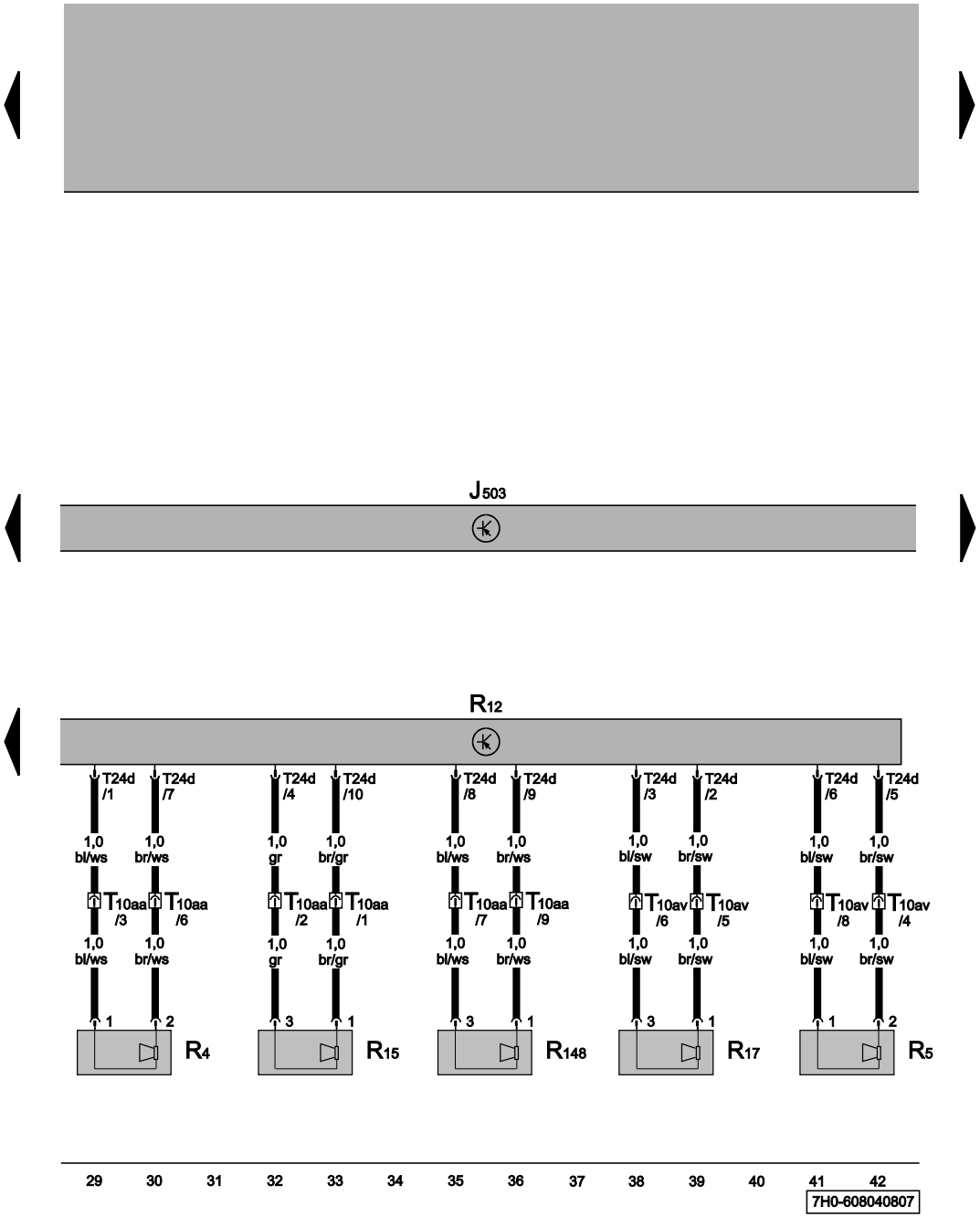
J503	Control unit with display for radio and navigation system
R12	Amplifier
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown



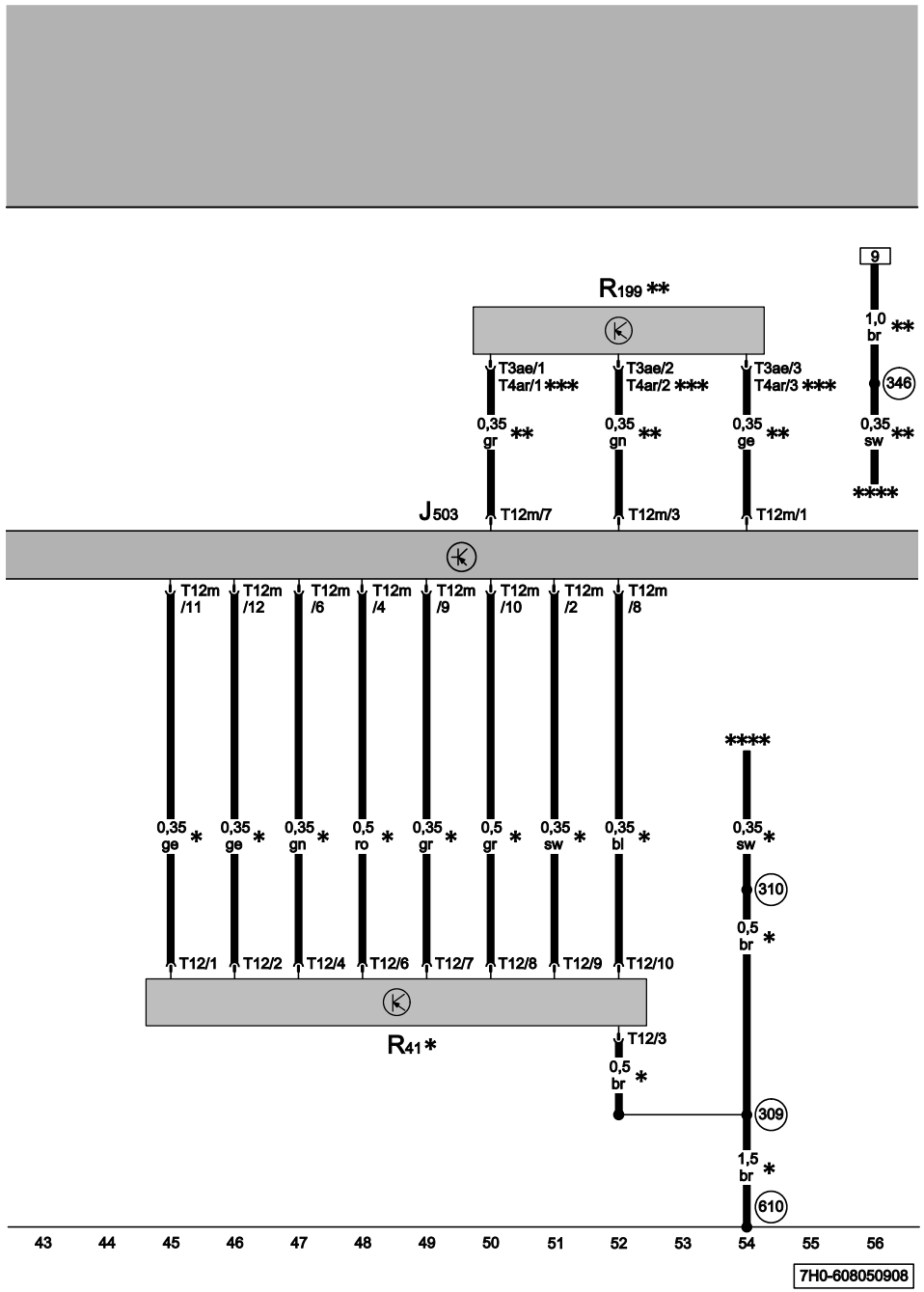
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit with display for radio and navigation system, amplifier, rear loudspeaker, middle loudspeaker

J503	Control unit with display for radio and navigation system
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R12	Amplifier
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
R148	Middle loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown



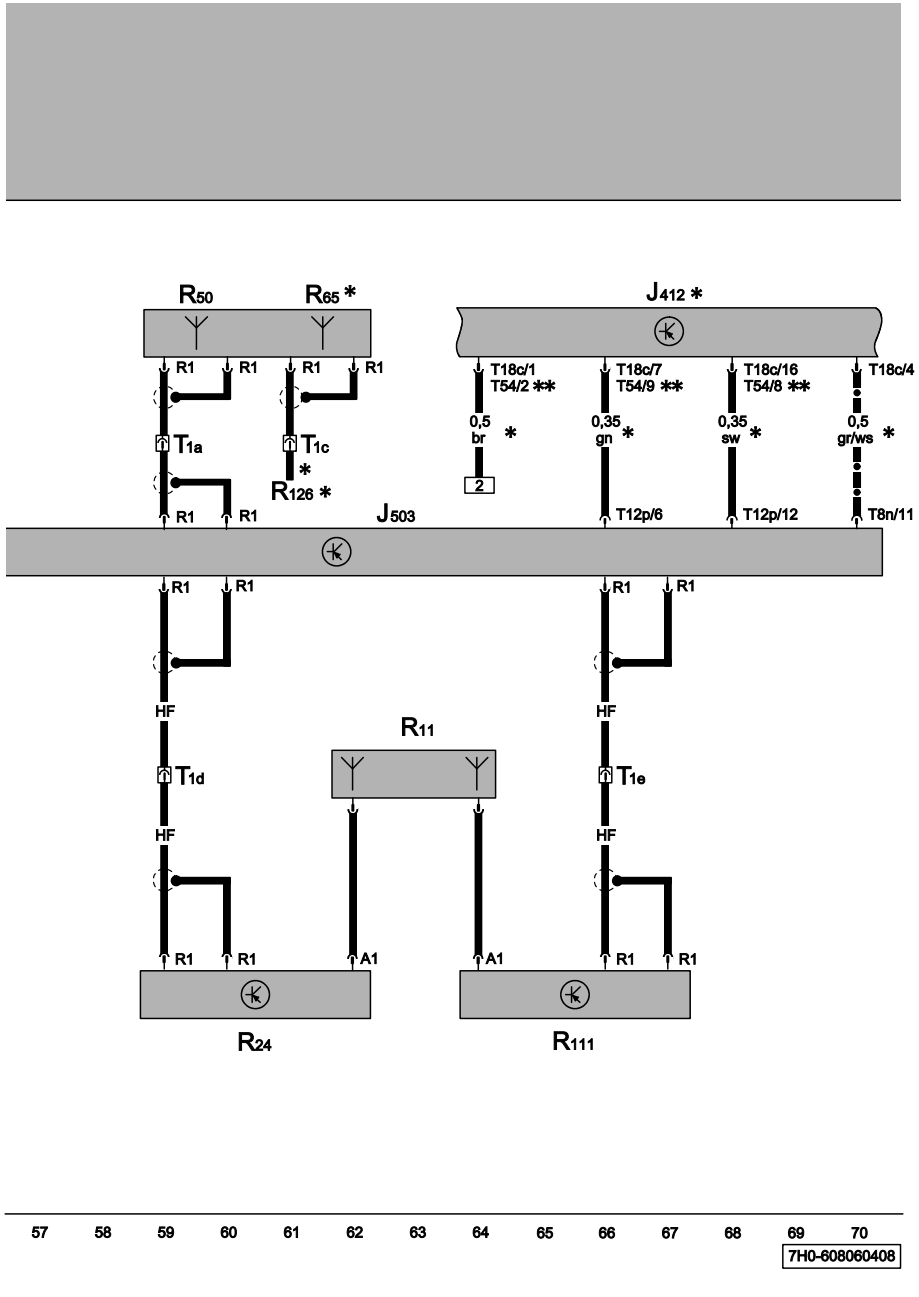
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T4ar	4-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	applicable from November 2007
****	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, navigation system aerial, telephone aerial, mobile telephone operating electronics control unit

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R50	Navigation system aerial
R65	Telephone aerial
R111	Aerial amplifier 2
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T54	54-pin connector, black
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007

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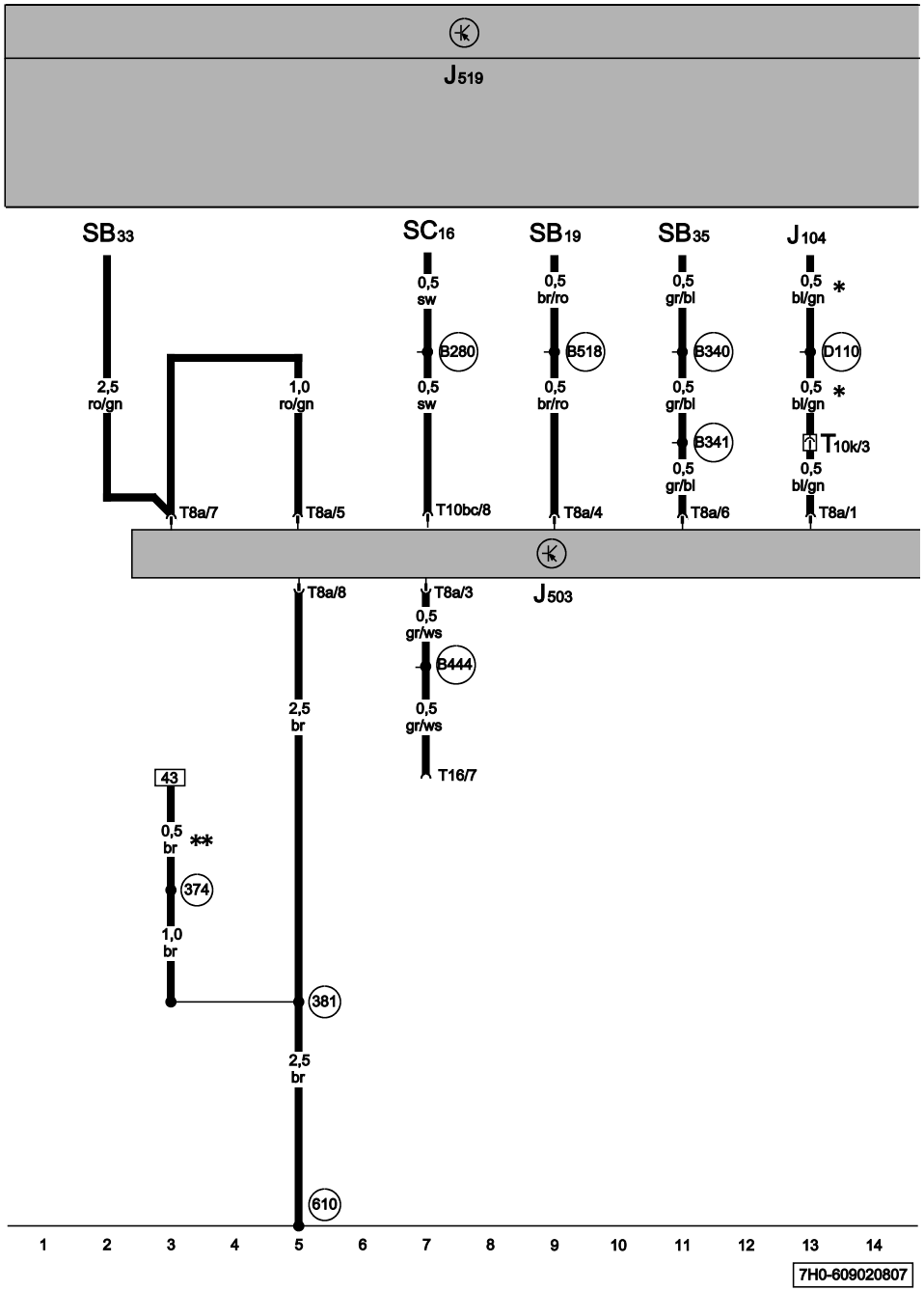
Radio and navigation system with monochrome display (7Q5)

⇒ **2, 4 or 8 loudspeakers (8RD/8RE/8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

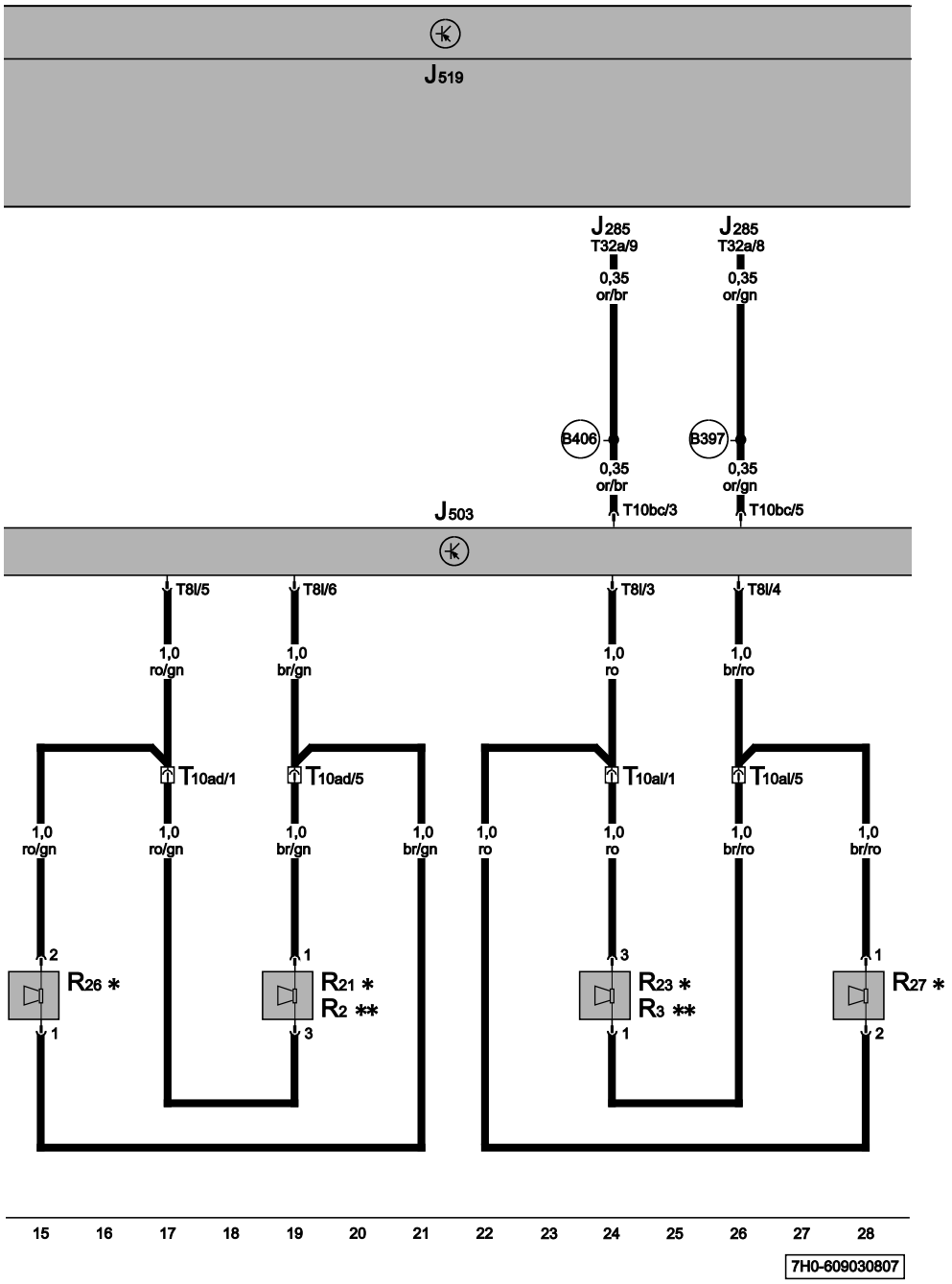
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply

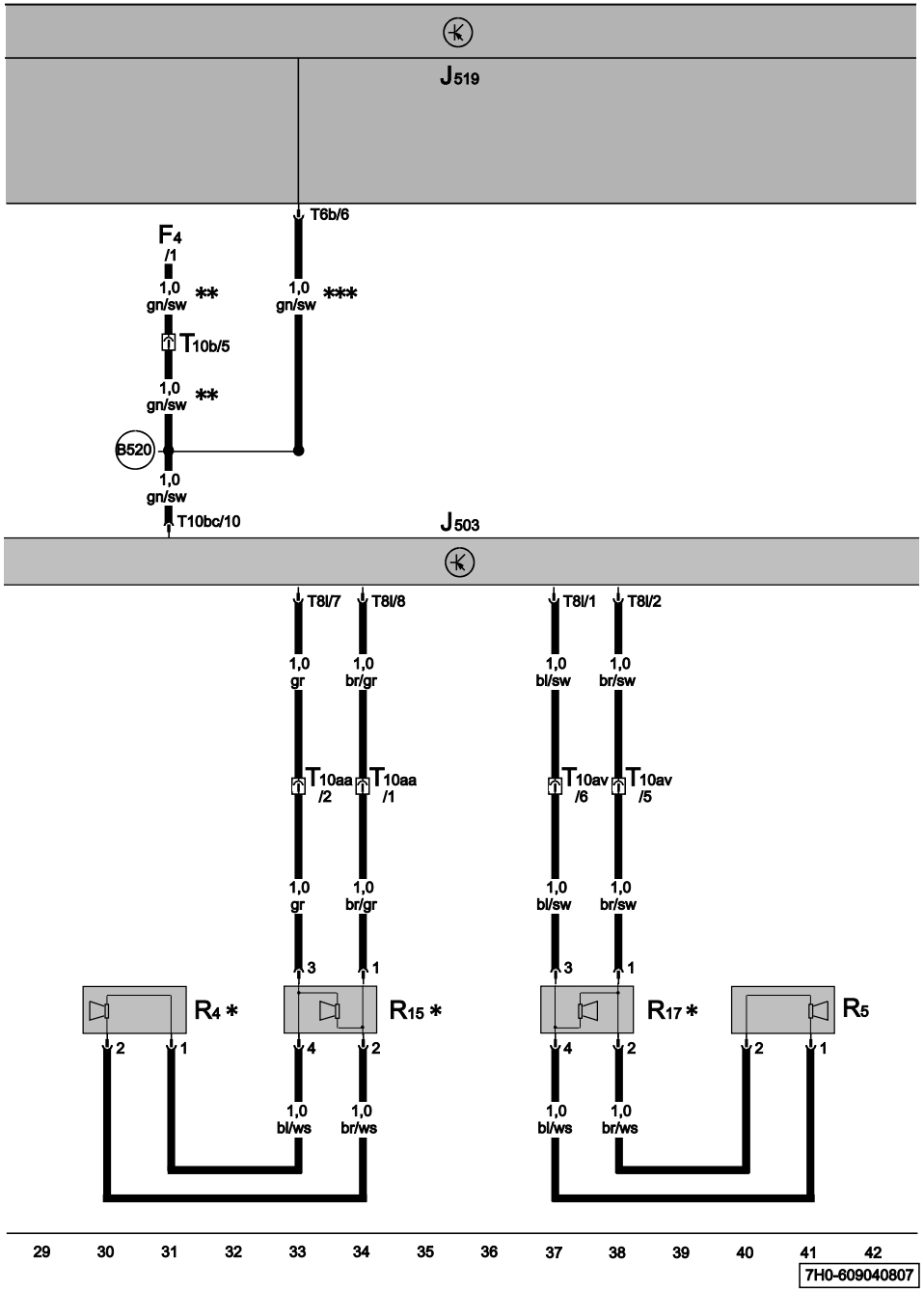
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T8a	8-pin connector, black
T10bc	10-pin connector, red
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B518	Connection (86s), in main wiring harness
D110	Connection 8, in engine compartment wiring harness
*	depends on equipment ⇒ ABS Current Flow Diagram
**	for models with telephone preparation for mobile telephone (9ZG) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, front loudspeaker

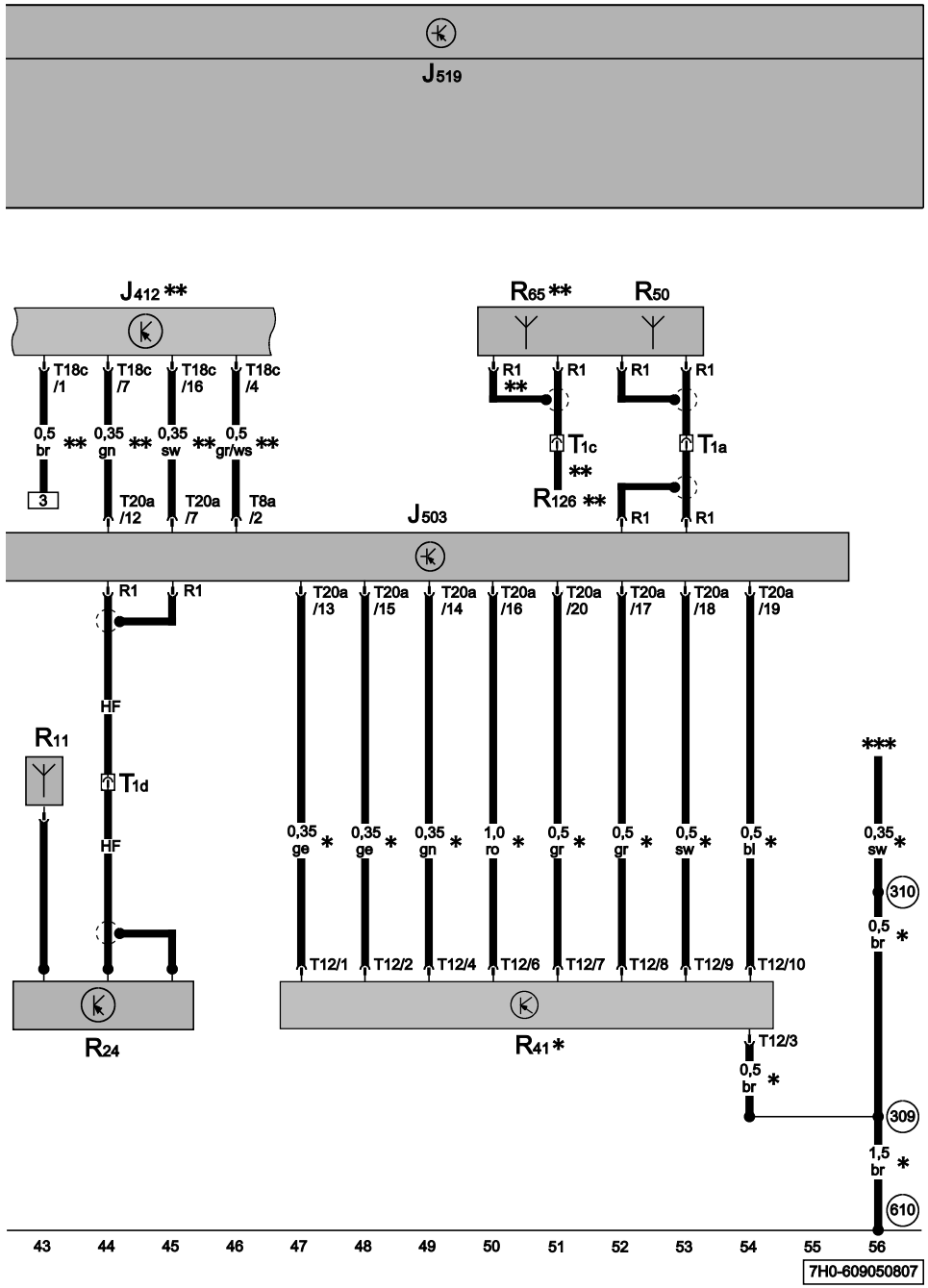
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10bc	10-pin connector, red
T32a	32-pin connector, green
B189	Connection (positive, front right loudspeaker), in interior wiring harness
B190	Connection (negative, front right loudspeaker), in interior wiring harness
*	for models with 4 or 8 loudspeakers (8RE/ 8RM) only
**	for models with 2 loudspeakers (8RD) only



Control unit with display for radio and navigation system, rear loudspeaker

F4	Reversing light switch
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T6b	6-pin connector, red
T8l	8-pin connector, brown
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10bc	10-pin connector, red
B520	Connection (RL), in main wiring harness
*	for models with 8 loudspeakers (8RM) only
**	for models with manual gearbox only (G0C/ G0K/ G0L)
***	for models with automatic gearbox (G1A) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, CD changer

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with telephone preparation for mobile telephone (9ZG) only
***	Wiring open end

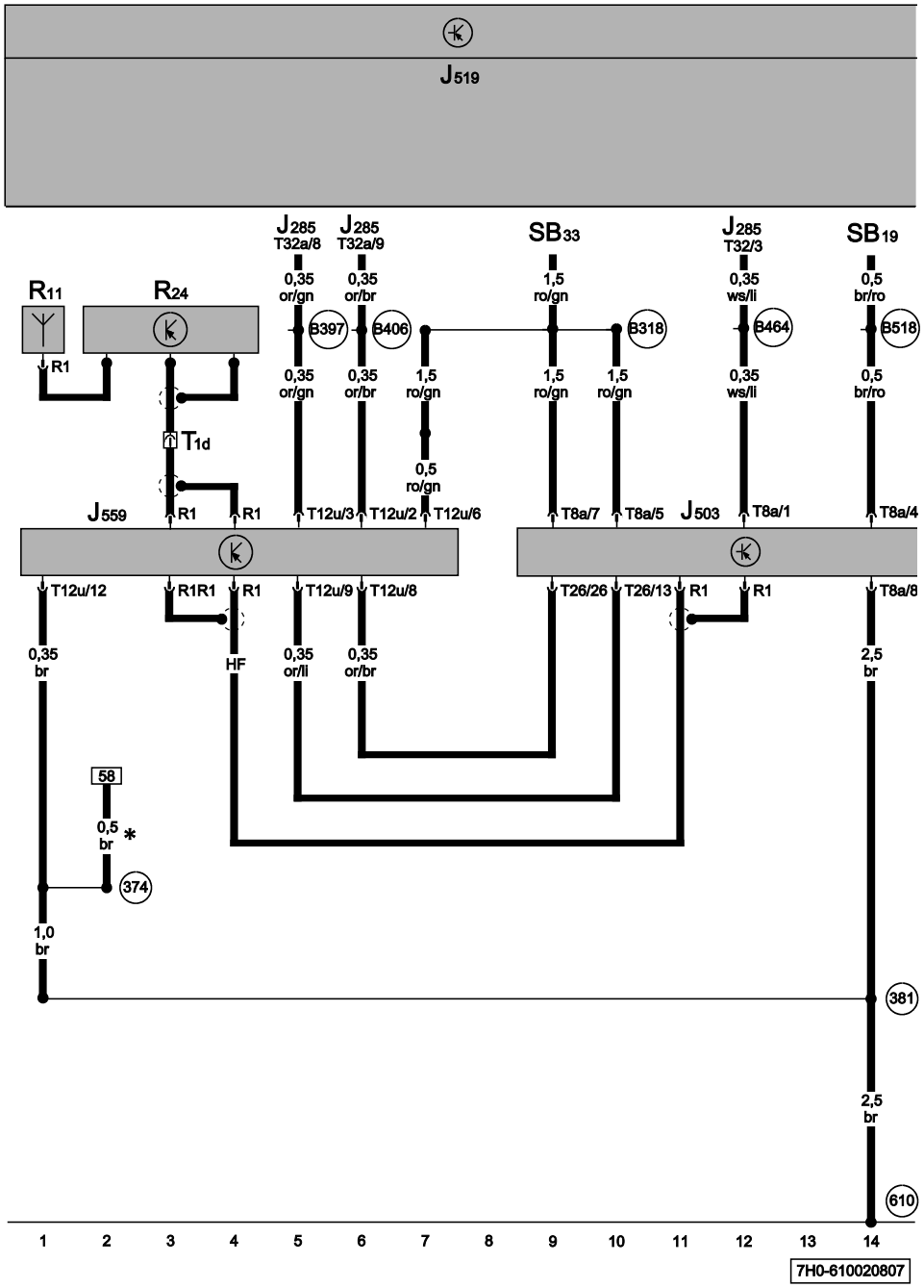
Radio and navigation system with colour display (7Q7)

⇒ **Traffic information control unit**
⇒ **2, 4 or 8 loudspeakers (8RD/8RE/8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

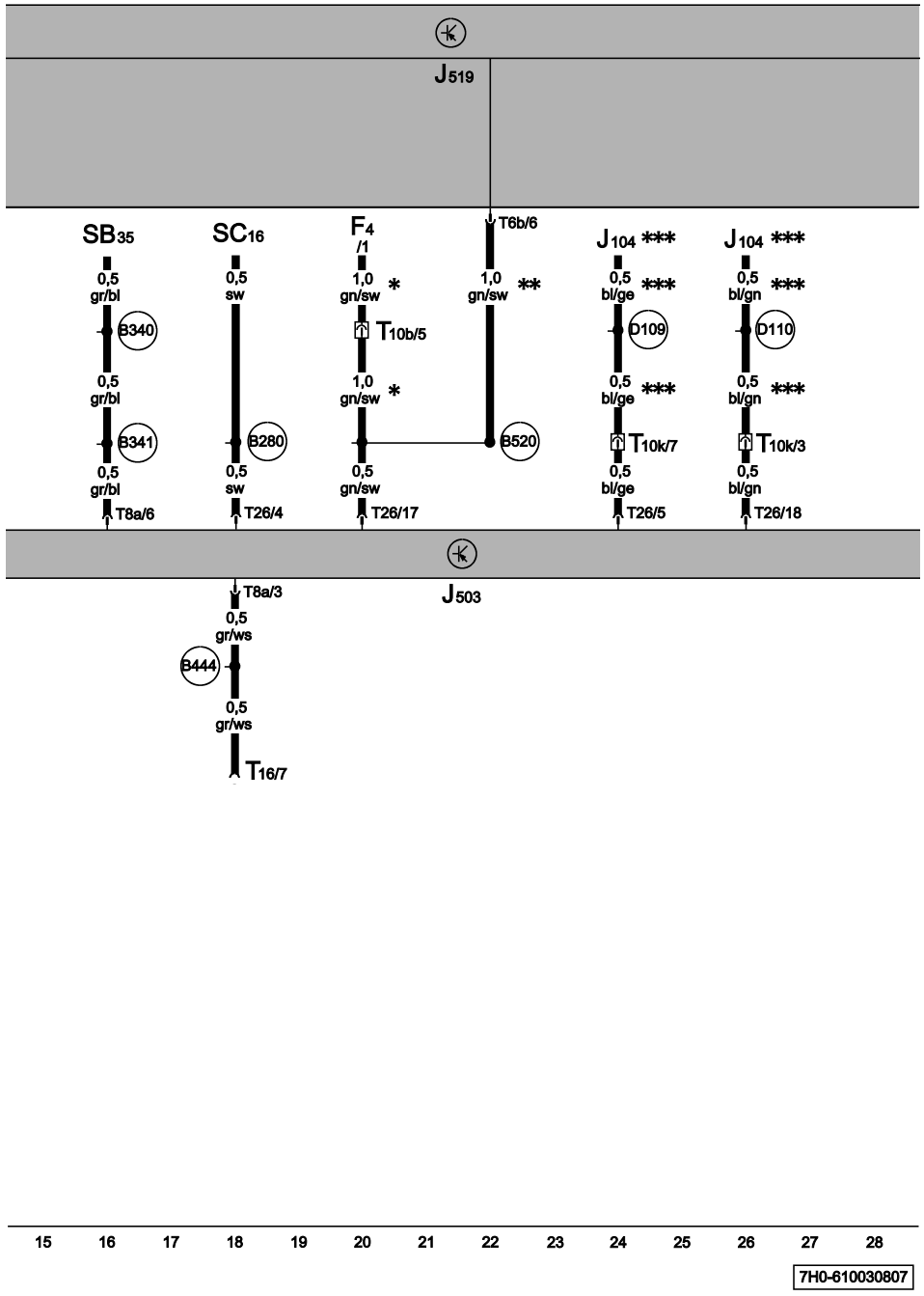
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply, traffic information control unit, aerial, aerial amplifier

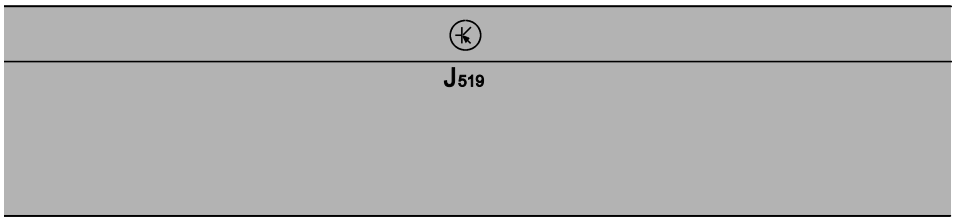
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12u	12-pin connector, black
T26	26-pin connector
T32	32-pin connector, blue
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only



Control unit with display for radio and navigation system, voltage supply, reversing light switch

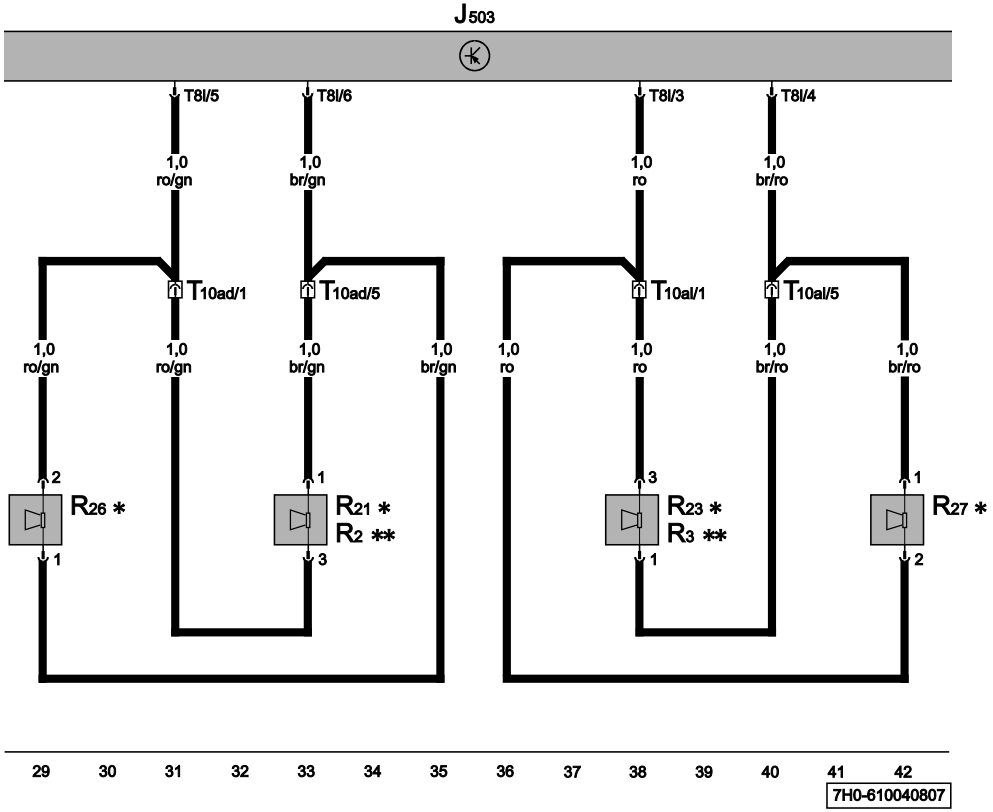
F4	Reversing light switch
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T6b	6-pin connector, red
T8a	8-pin connector, black
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T26	26-pin connector
B280	Positive connection 4 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
*	for models with manual gearbox only (G0C/ G0K/ G0L)
**	for models with automatic gearbox (G1A) only
***	depends on equipment ⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, front loudspeaker

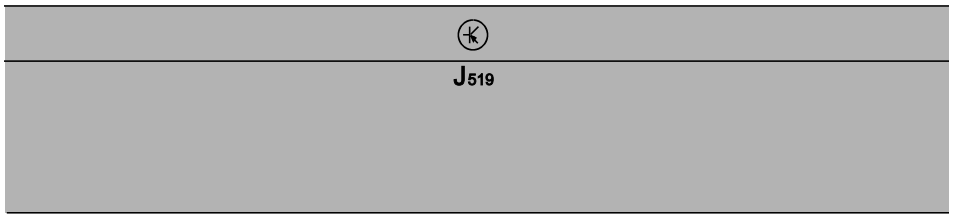
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only

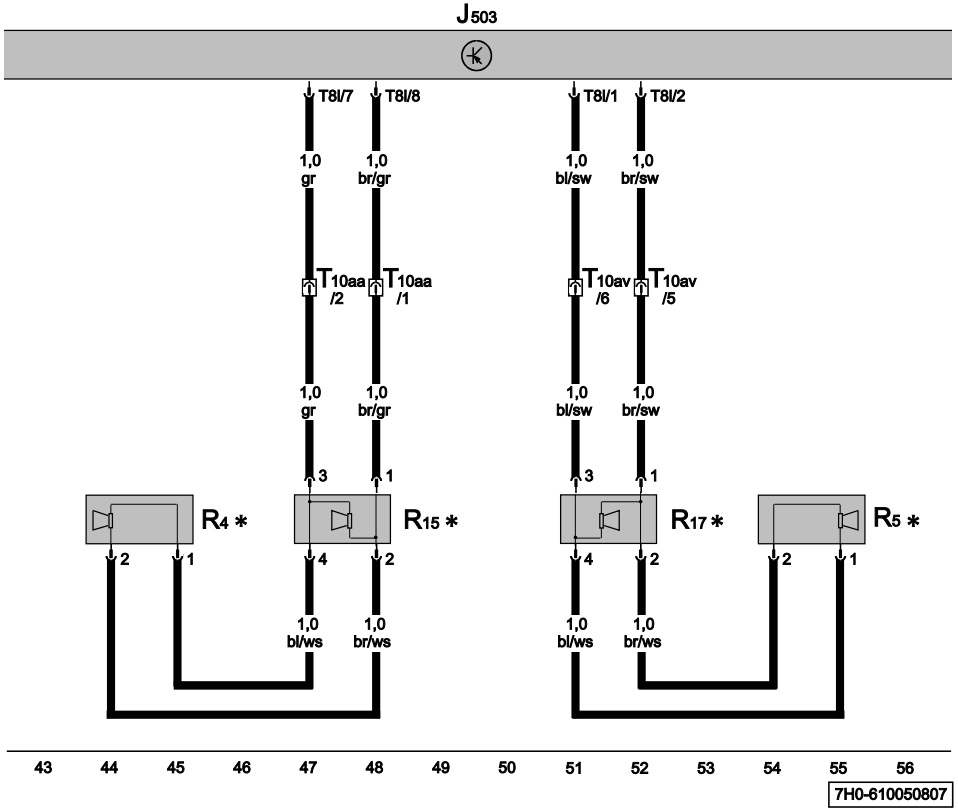


ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

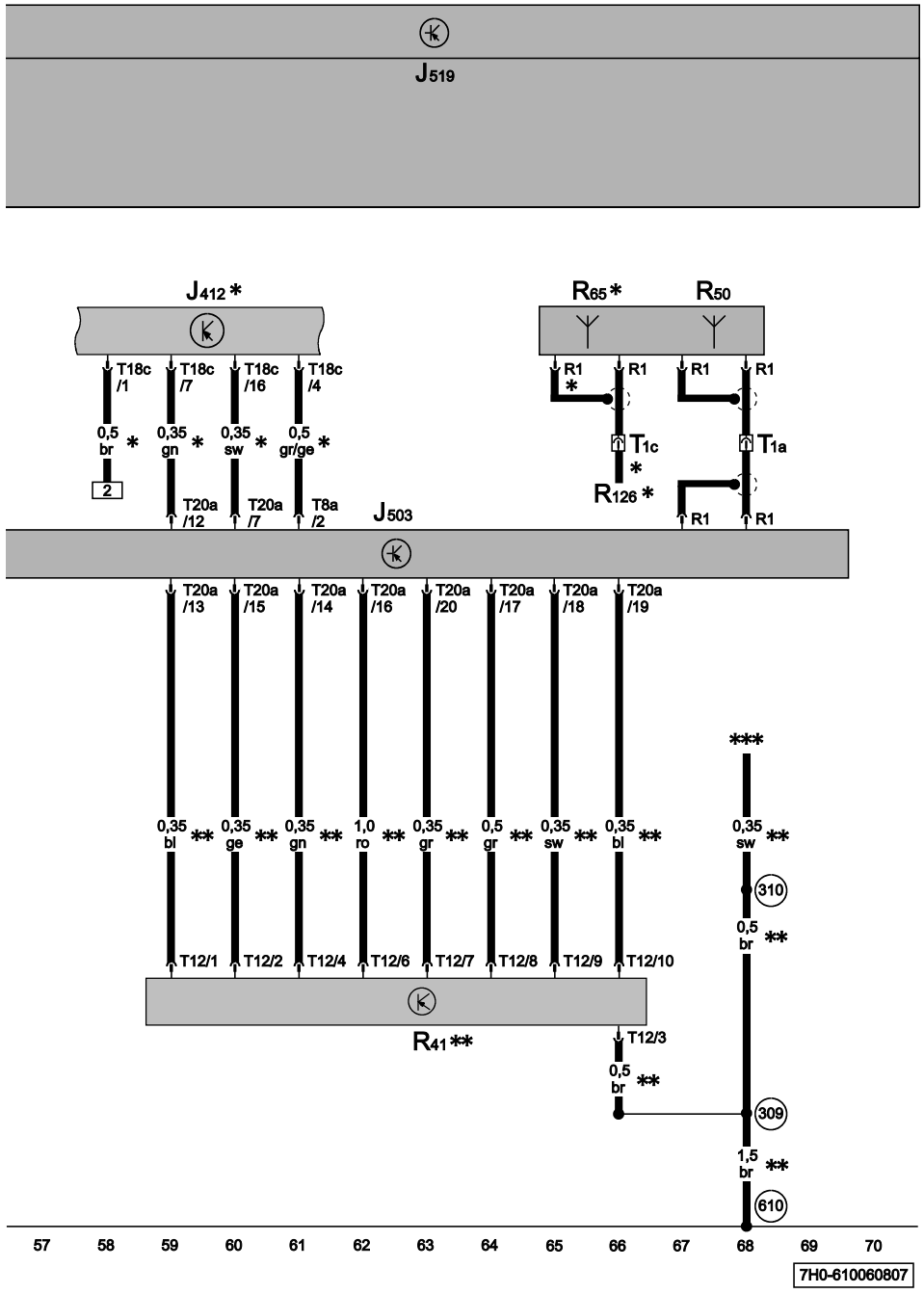
Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only





ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T18c	18-pin connector, VDA connection for interface box
T20a	20-pin connector, on radio three parts
(309)	Earth connection -1-, screening, in CD changer wiring harness
(310)	Earth connection 2, screening, in CD changer wiring harness
(610)	Earth point (audio), under centre console, front
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
***	Wiring open end

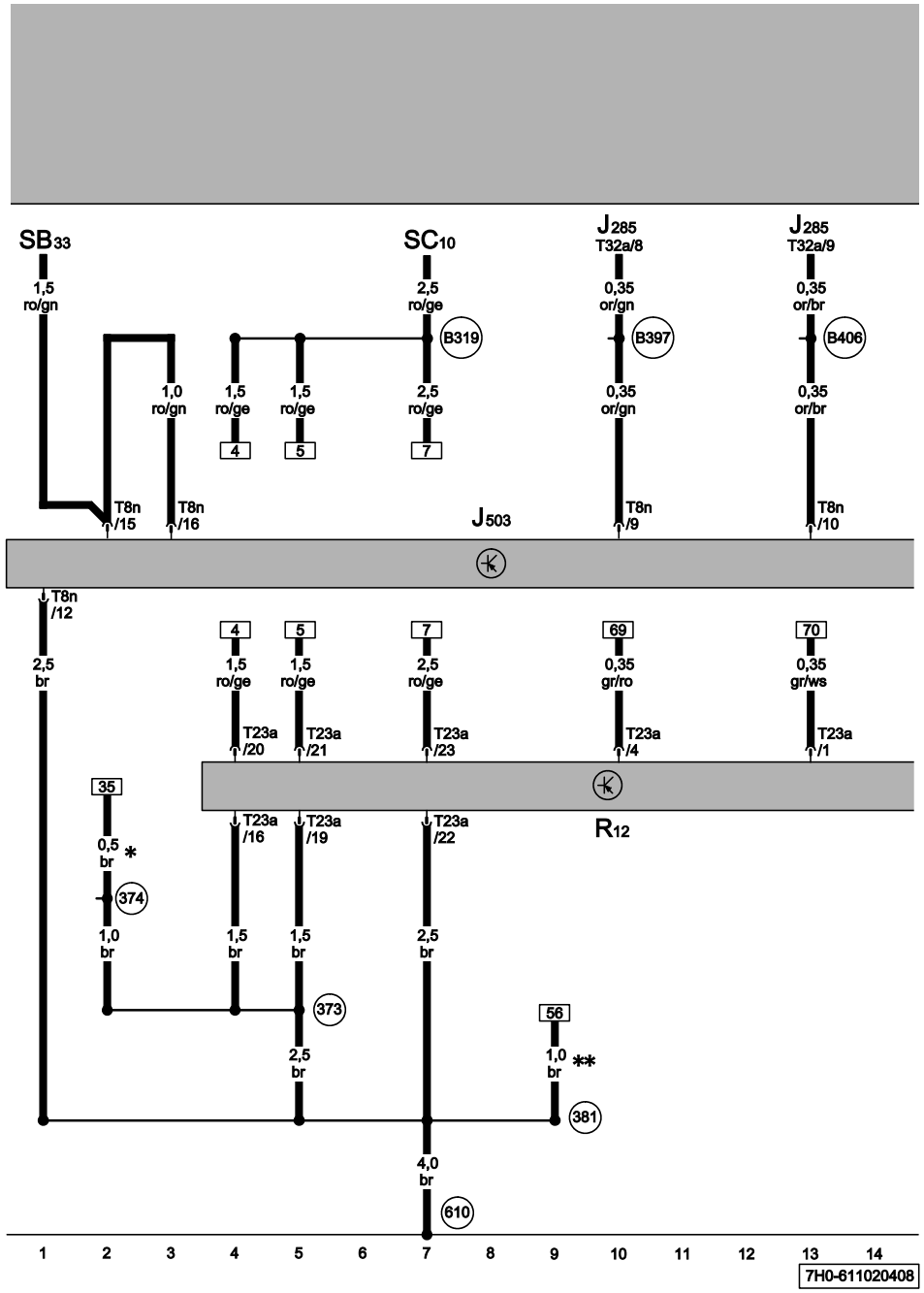
Radio and navigation system (RNS-DVD) with colour display (7Q2), digital sound package (9VE)

⇒ **10 loudspeakers (9VE)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0/7A1/7A2)**
⇒ **Without or with multimedia bus for external audio source (9WC/ 9WL)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Voltage supply, control unit with display for radio and navigation system, amplifier, mobile telephone operating electronics control unit

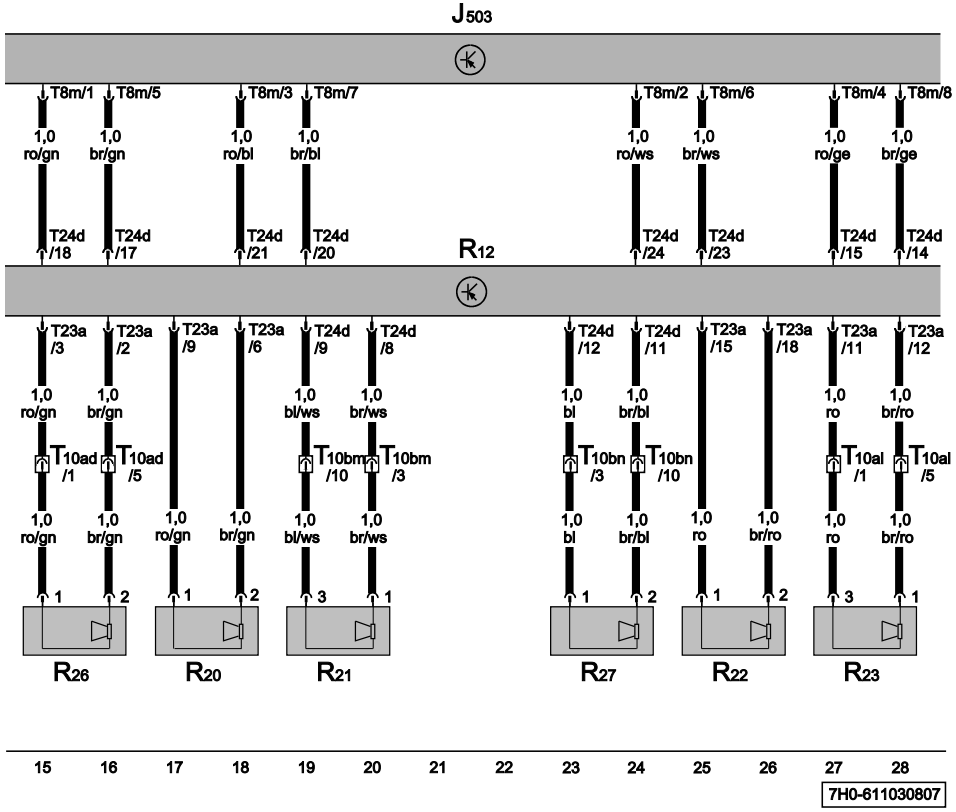
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T23a	23-pin connector, red
T32a	32-pin connector, green
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with multimedia bus for external audio source (9WL) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

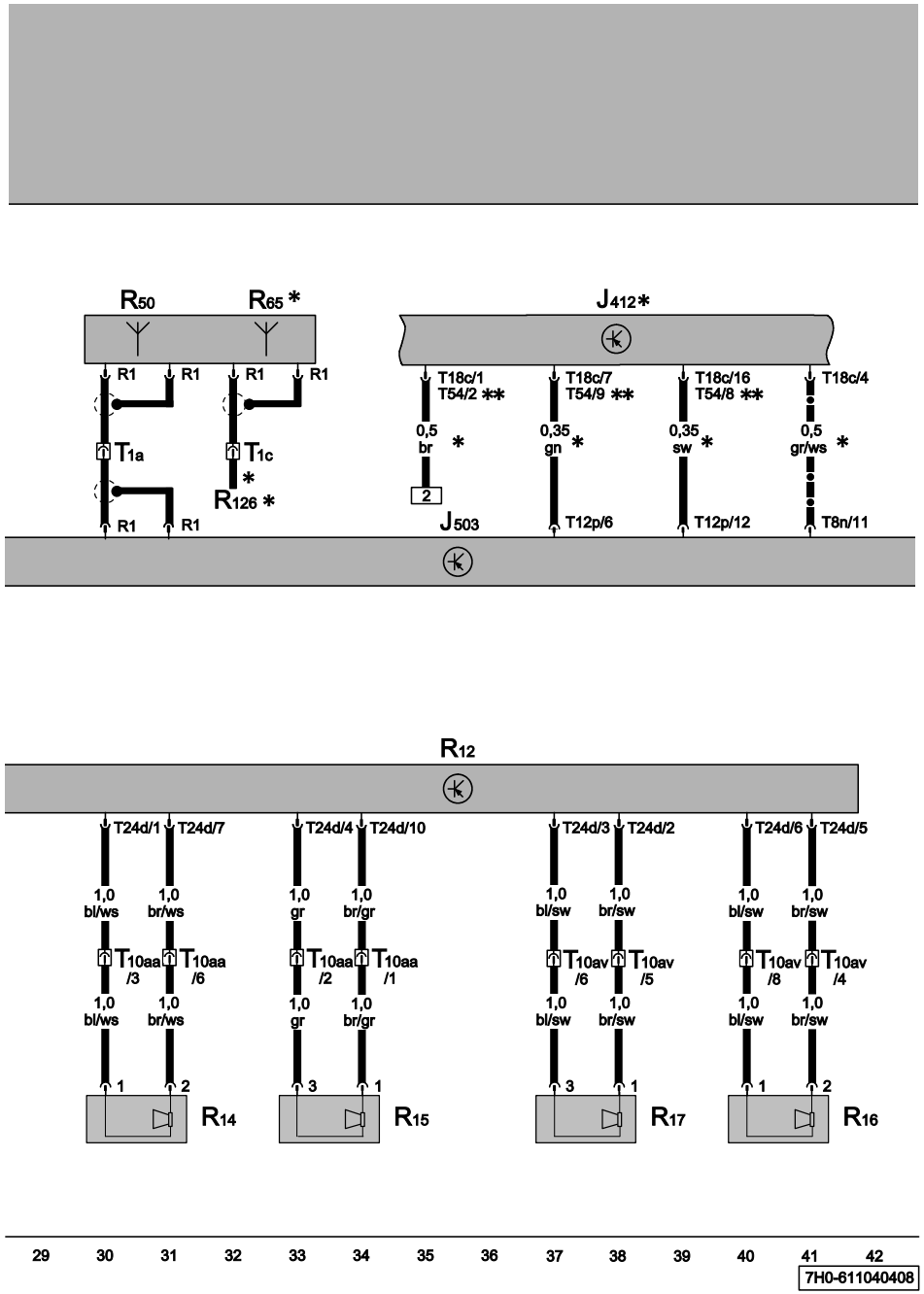
Control unit with display for radio and navigation system, amplifier, front loudspeaker

J503	Control unit with display for radio and navigation system
R12	Amplifier
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
T10bn	10-pin connector, grey, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown





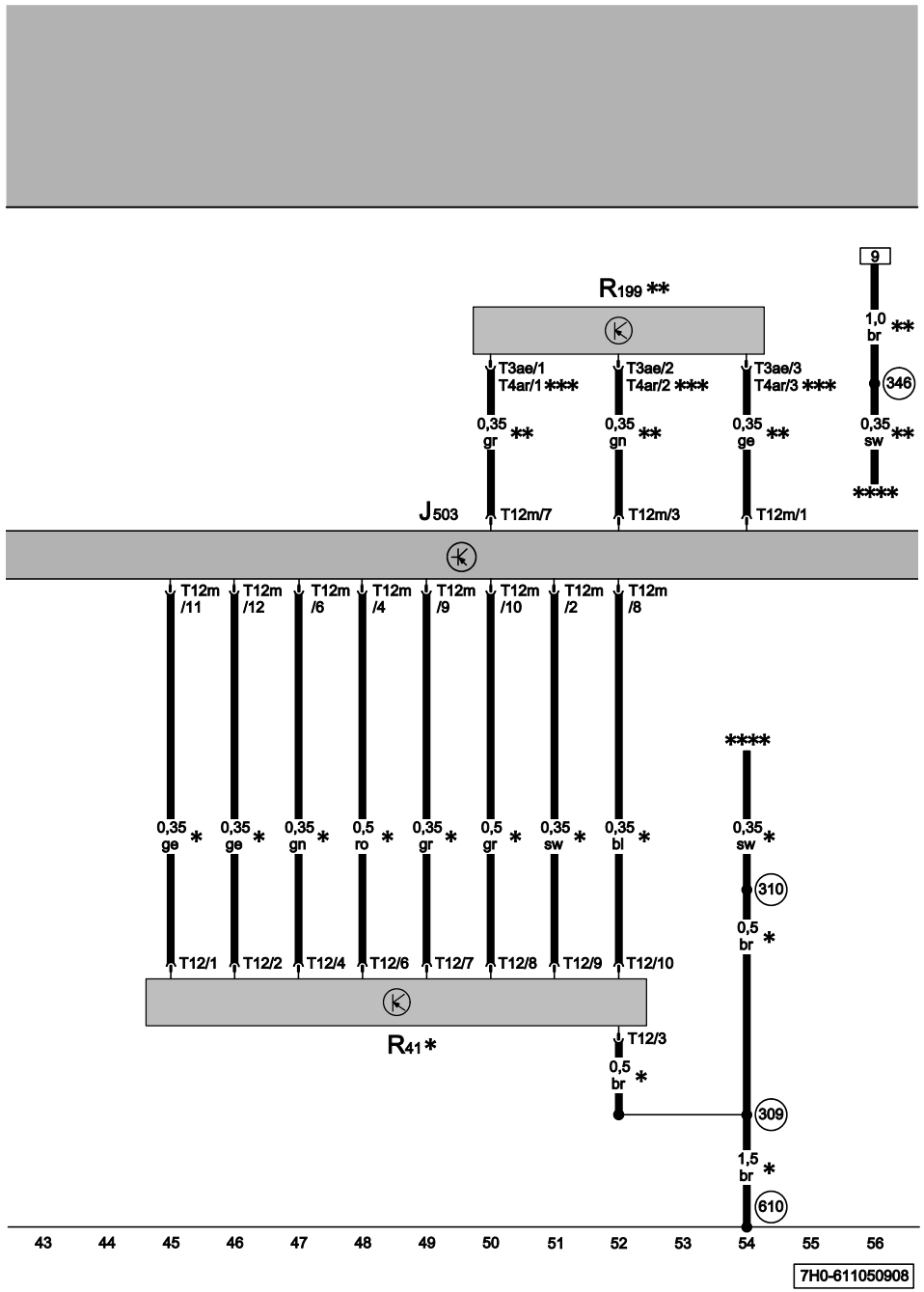
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, aerial, amplifier, rear loudspeaker, mobile telephone operating electronics control unit, navigation system aerial, telephone aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
R1	Aerial connection
R12	Amplifier
R14	Rear left treble loudspeaker
R15	Rear left bass loudspeaker
R16	Rear right treble loudspeaker
R17	Rear right bass loudspeaker
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8n	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T24d	24-pin connector, brown
T54	54-pin connector, black
*	for models with telephone preparation for mobile telephone (9ZG) only

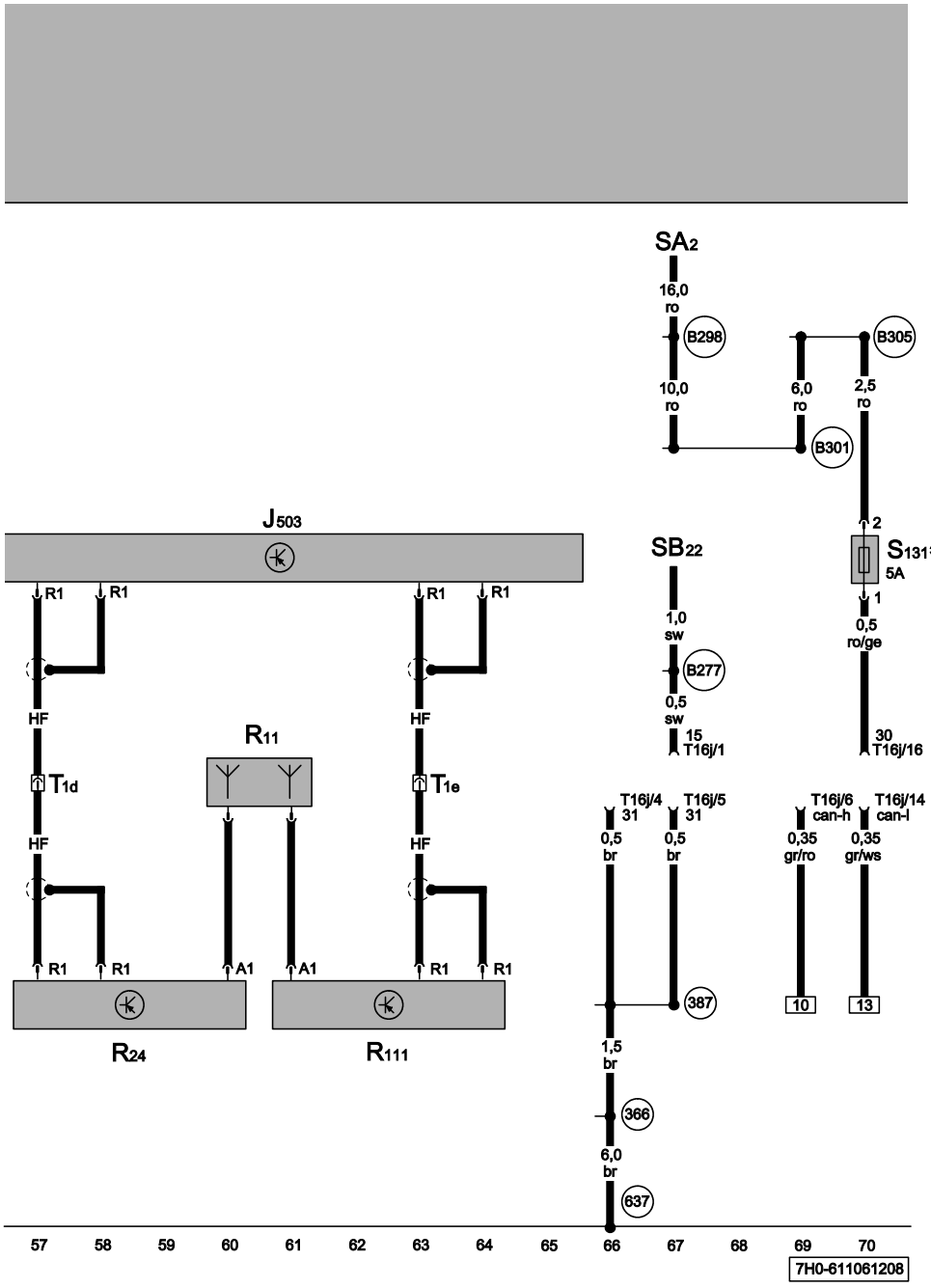
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, CD changer, connection for external audio source

J503	Control unit with display for radio and navigation system
R41	CD changer
R199	Connection for external audio source
T3ae	3-pin connector, black
T4ar	4-pin connector, black
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
346	Earth connection (audio), in dash panel wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with multimedia bus for external audio source (9WL) only
***	applicable from November 2007
****	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, diagnostic connector 2

J503	Control unit with display for radio and navigation system
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R111	Aerial amplifier 2
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB22	Fuse 22 on fuse holder B
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B277	Positive connection 1 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations

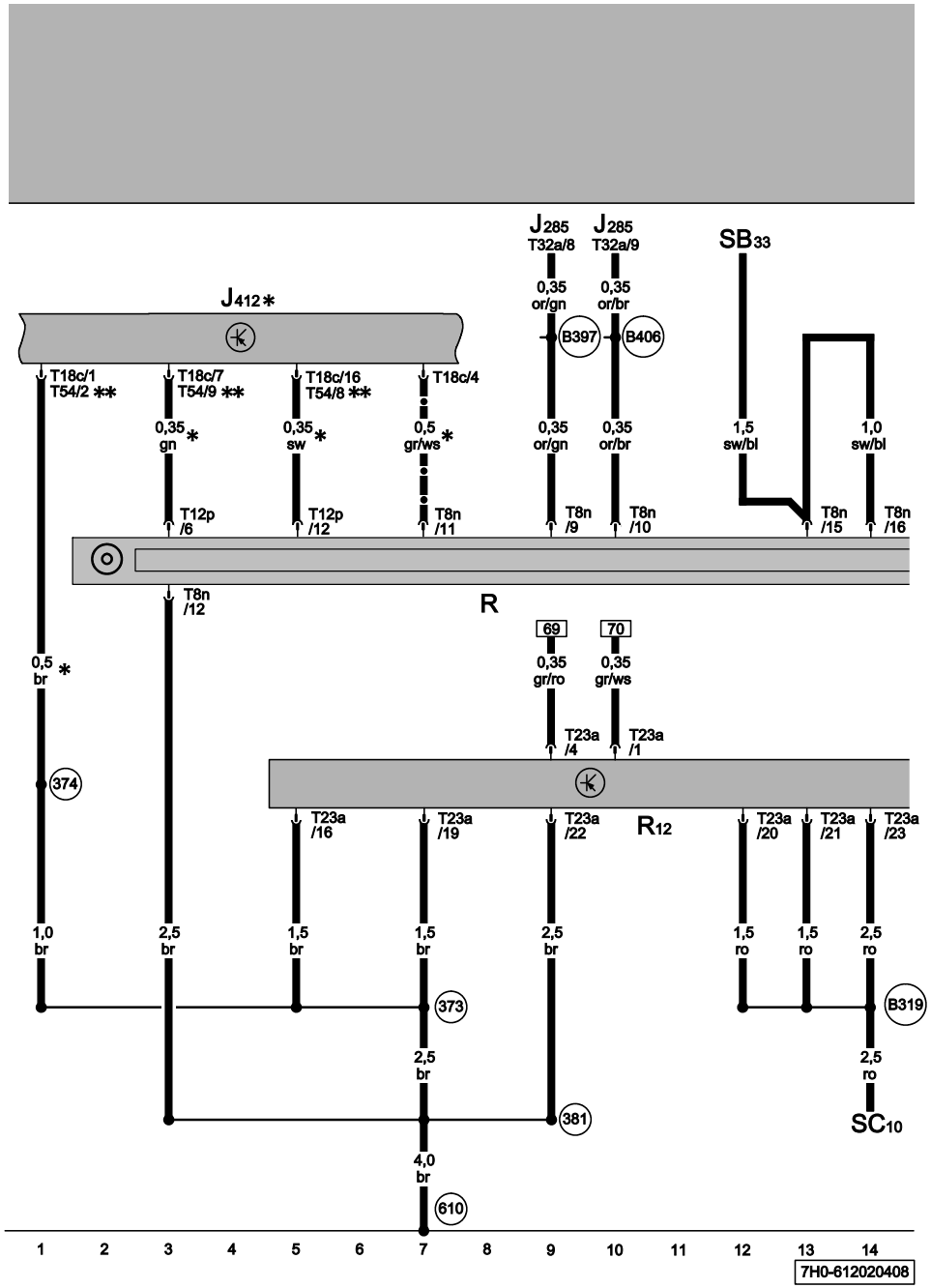
Radio system Delta (8UT) with sound package (9VE)

⇒ **10 loudspeakers (9VE)**
⇒ **Aerial selection control unit (8L6)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Voltage supply, radio, amplifier, mobile telephone operating electronics control unit

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
T8n	8-pin connector
T12p	12-pin connector, green
T18c	18-pin connector, VDA connection for interface box
T23a	23-pin connector, red
T32a	32-pin connector, green
T54	54-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B319	Positive connection 5 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only
**	applicable from November 2007

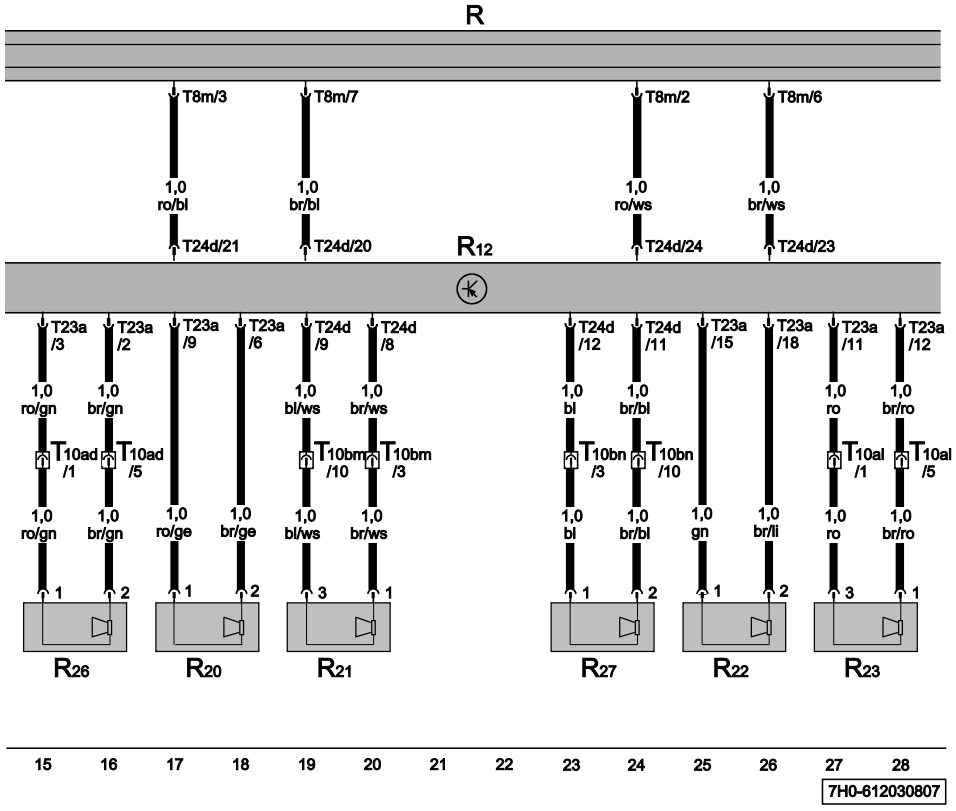
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="2 is dropped from November 2007

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

0pt"
scaling="
uniform"/
>

Radio, amplifier, front loudspeakers

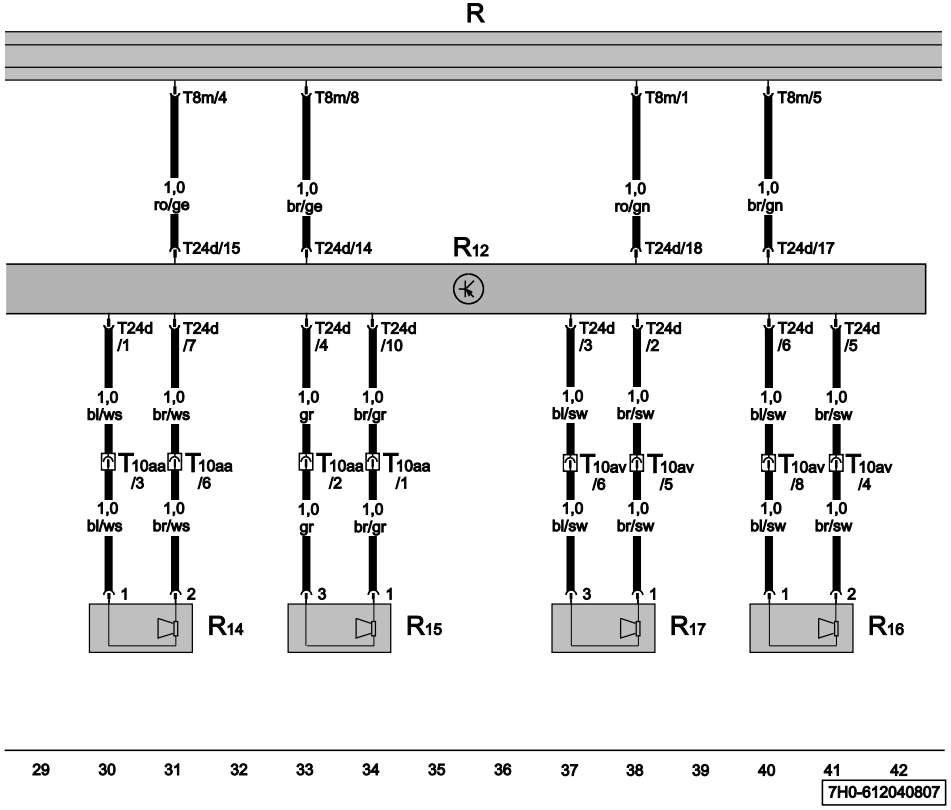
R	Radio
R12	Amplifier
R20	Front left treble loudspeaker
R21	Front left bass loudspeaker
R22	Front right treble loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8m	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
T10bn	10-pin connector, grey, coupling station on right of A-pillar
T23a	23-pin connector, red
T24d	24-pin connector, brown



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

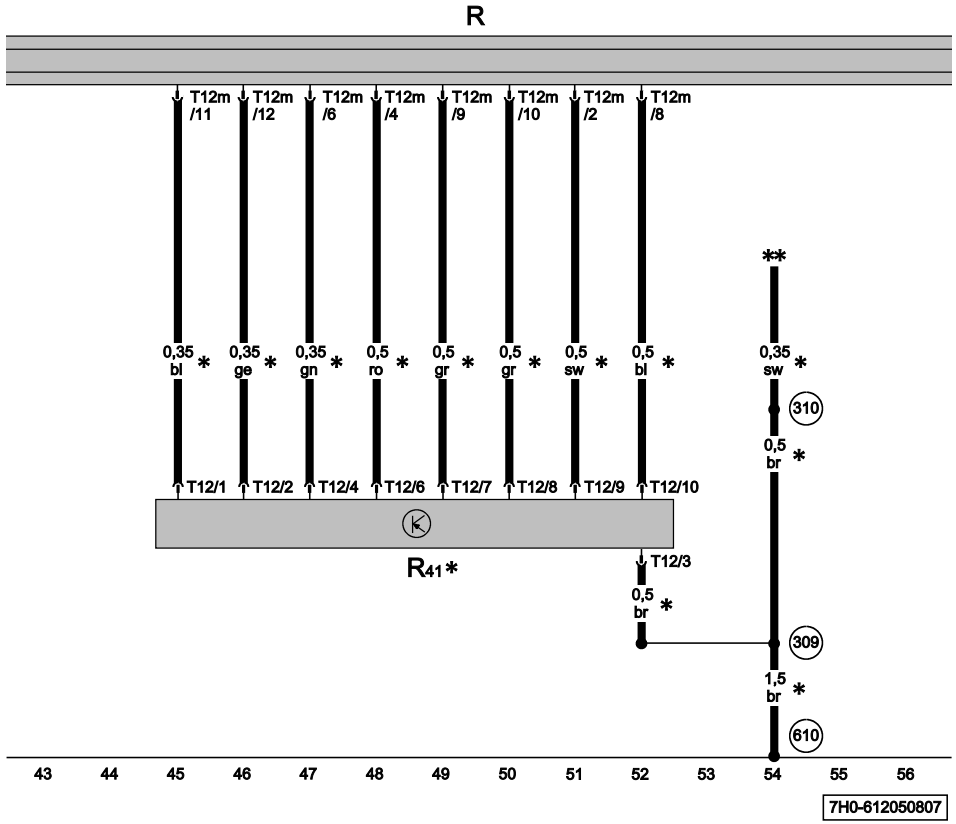
Radio, amplifier, rear loudspeakers

R	Radio
R12	Amplifier
R14	Rear left treble loudspeaker
R15	Rear left bass loudspeaker
R16	Rear right treble loudspeaker
R17	Rear right bass loudspeaker
T8m	8-pin connector
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T24d	24-pin connector, brown



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

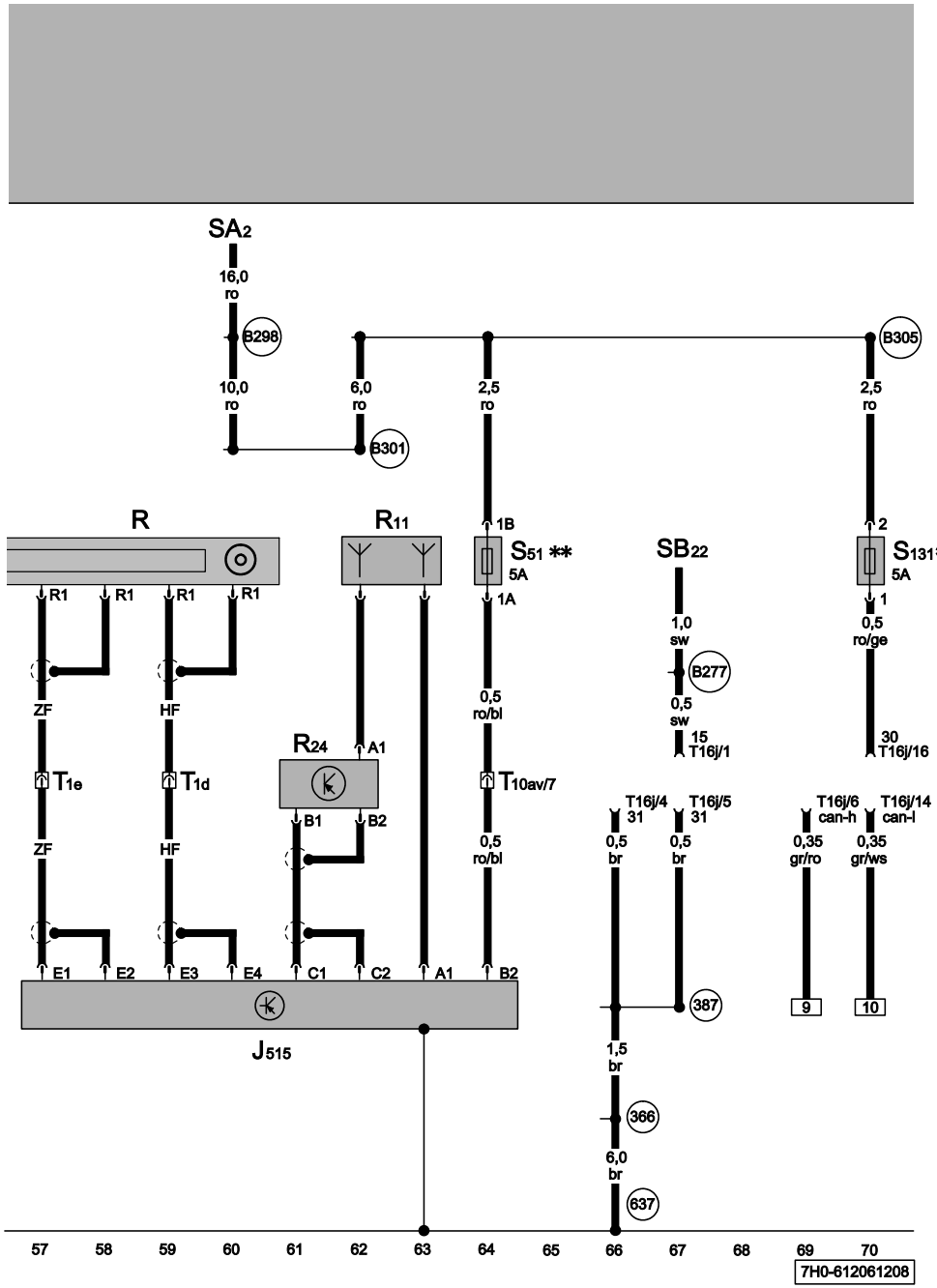




Radio, CD changer

R	Radio
R41	CD changer
T12	12-pin connector, black, CD changer
T12m	12-pin connector, blue
309	Earth connection -1-, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Radio, aerial selection control unit, aerial, aerial amplifier, diagnostic connector 2

J515	Aerial selection control unit
R	Radio
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
S51	Fuse
S131	Fuse 1
SA2	Fuse 2 on fuse holder A
SB22	Fuse 22 on fuse holder B
T1d	Single connector, right A-pillar
T1e	Single connector, right A-pillar
T10av	10-pin connector, brown, coupling station under front passenger seat
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B277	Positive connection 1 (15a), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	on relay carrier (2) cockpit ⇒ Fitting Locations
**	On relay carrier, left seat box, ⇒ Fitting Locations

6-speed automatic gearbox (09K)

from June 2007

Notes:

For information concerning

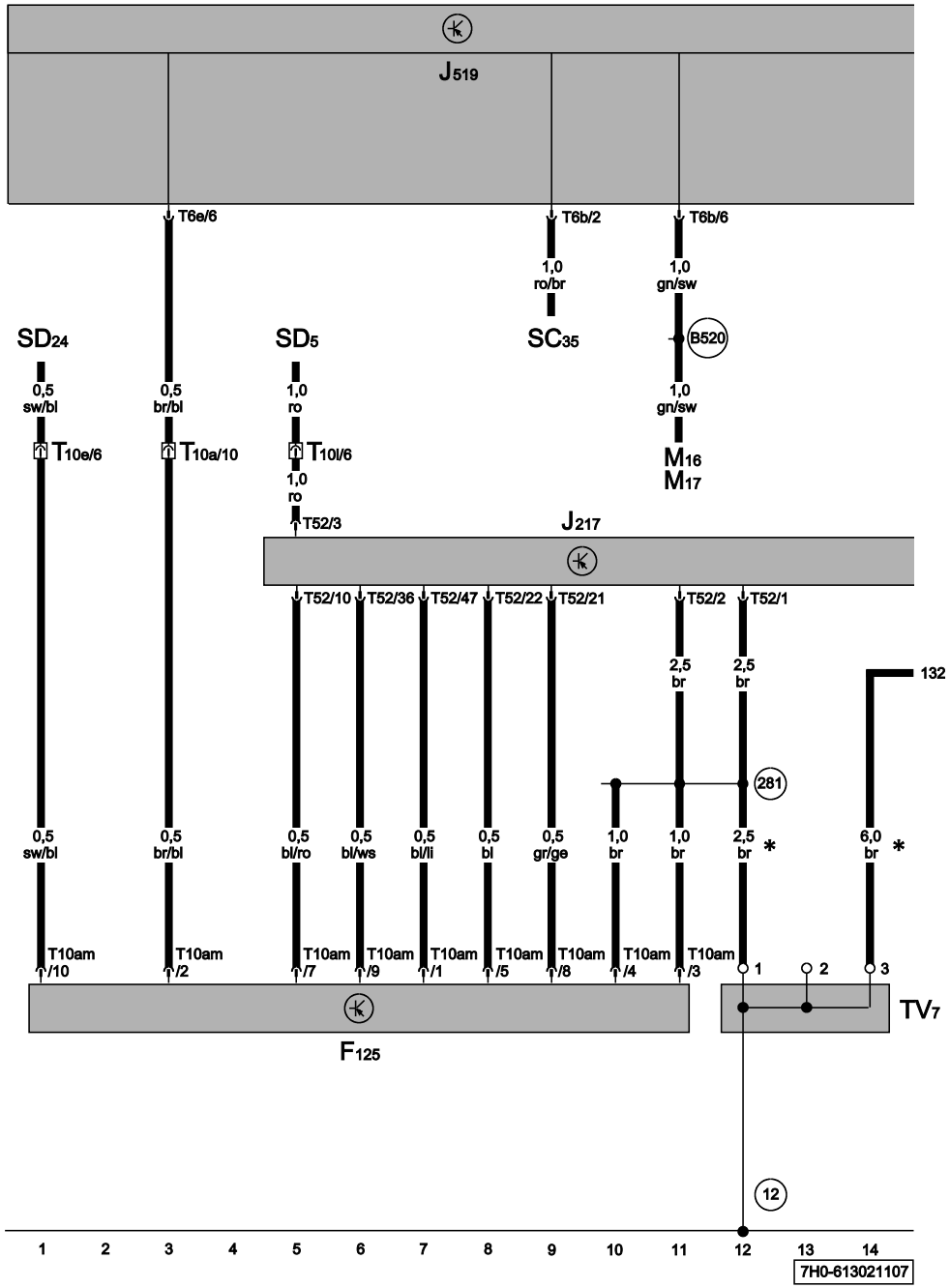
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

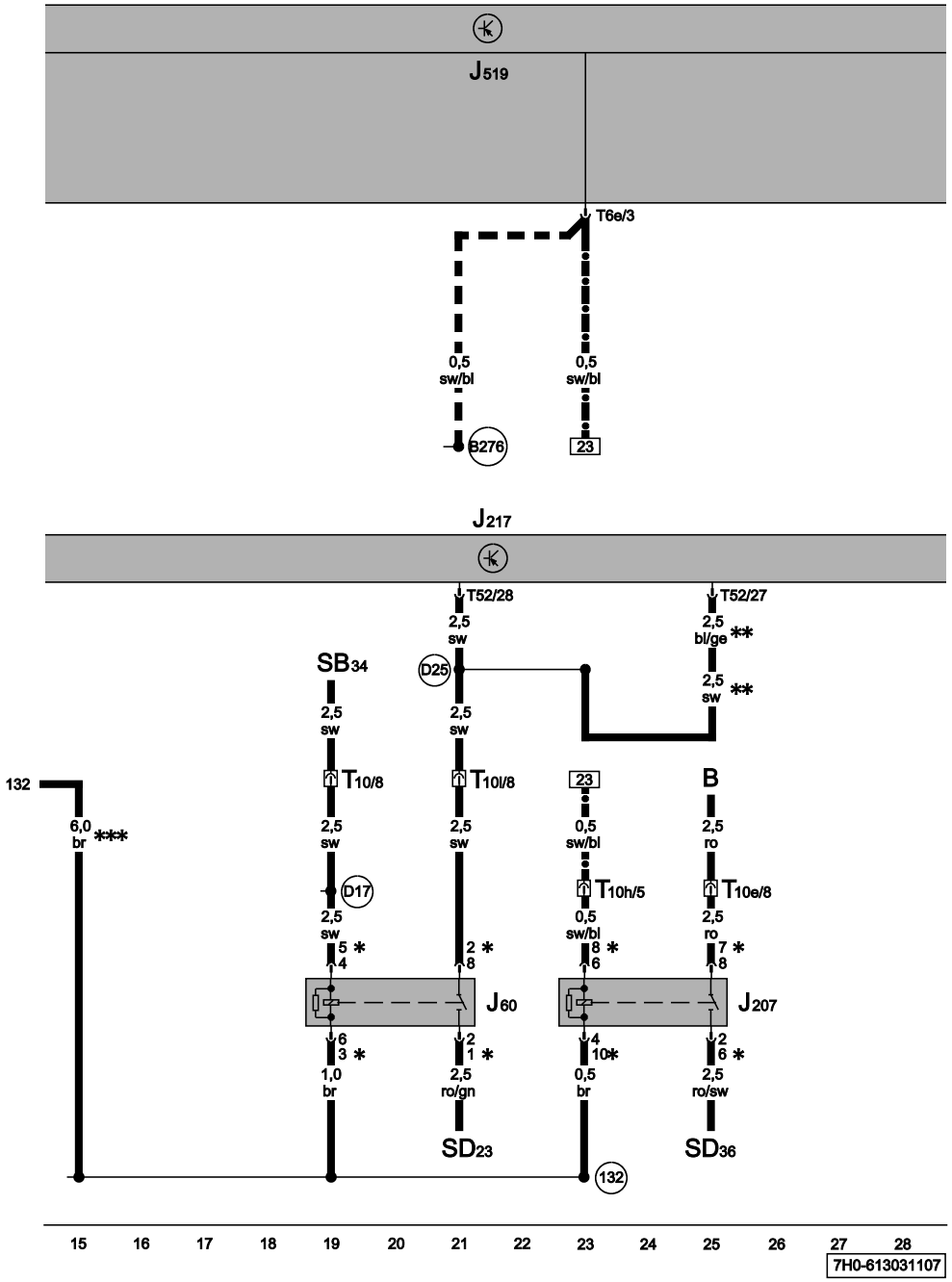
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, multifunction switch, reversing light bulb

F125	Multifunction switch
J217	Automatic gearbox control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC35	Fuse 35 on fuse holder C
SD5	Fuse 5 on fuse holder D
SD24	Fuse 24 on fuse holder D
T6b	6-pin connector, red
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T52	52-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B520	Connection (RL), in main wiring harness
*	Cross-section 4.0 possible



ws = white

Automatic gearbox control unit, automatic gearbox relay, starter inhibitor relay

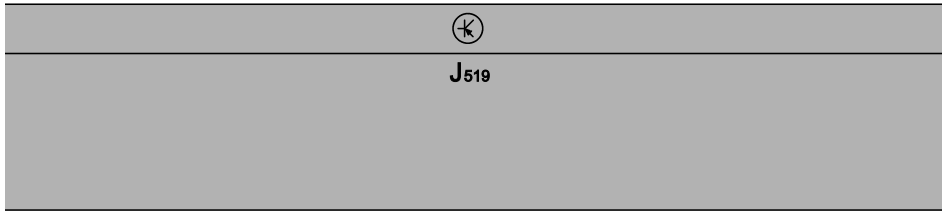
B	Starter
J60	Automatic gearbox relay
J207	Starter inhibitor relay
J217	Automatic gearbox control unit
J519	Onboard supply control unit
SB34	Fuse 34 on fuse holder B
SD23	Fuse 23 on fuse holder D
SD36	Fuse 36 on fuse holder D
T6e	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T52	52-pin connector
132	Earth connection 3, in engine compartment wiring harness
B276	Positive connection (50), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D25	Positive connection (15), in engine wiring harness
*	applicable from November 2007
**	depends on equipment
***	Cross-section 4.0 possible

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for models without electric interface only

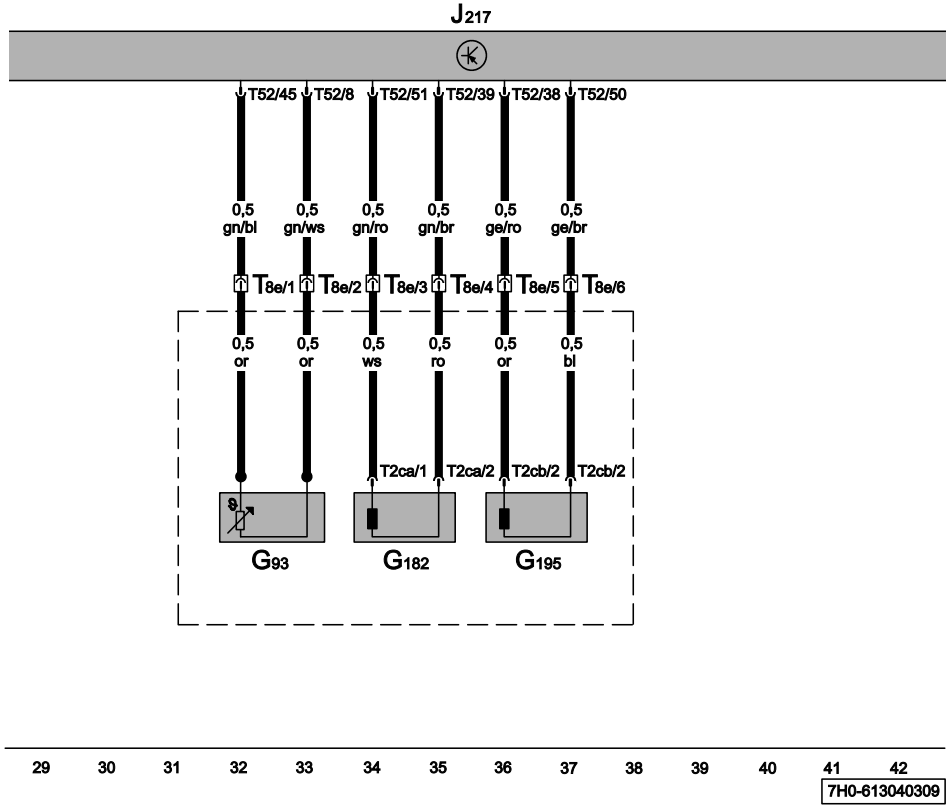
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or	=	orange
rs	=	pink

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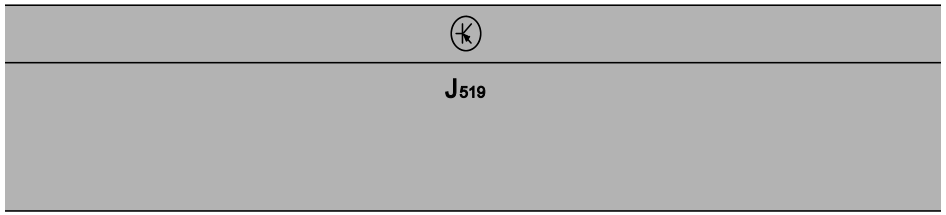


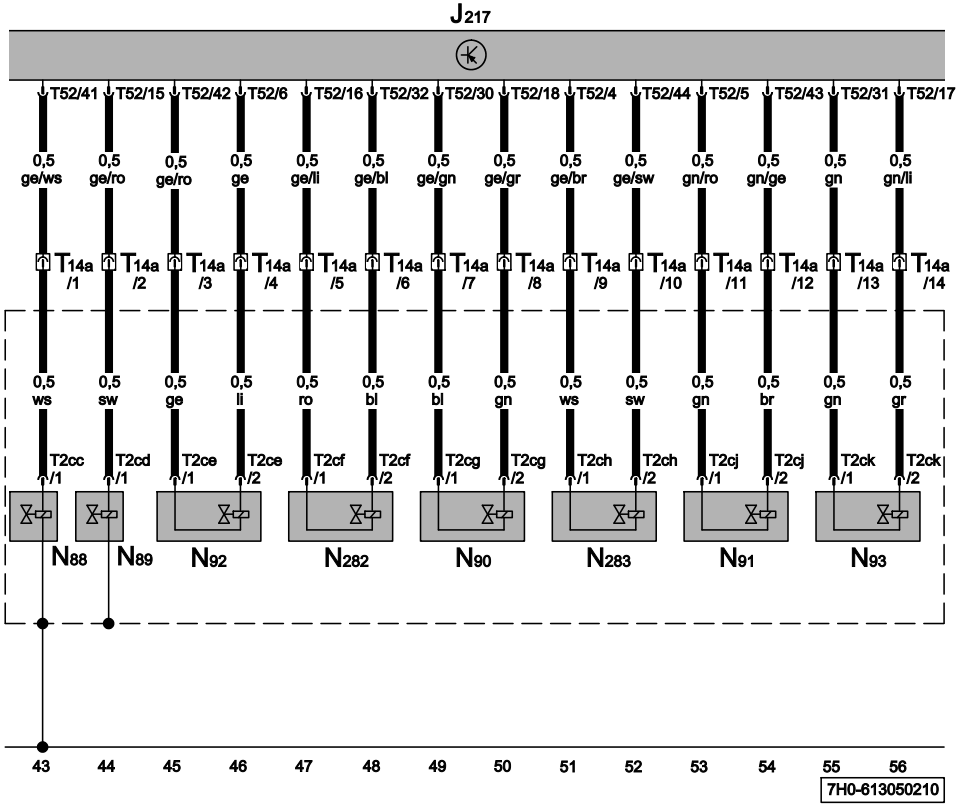
Automatic gearbox control unit, gearbox oil temperature sender, gearbox input speed sender, gearbox output speed sender

G93	Gearbox oil temperature sender
G182	Gearbox input speed sender
G195	Gearbox output speed sender
J217	Automatic gearbox control unit
J519	Onboard supply control unit
T2ca	2-pin connector, white, in gearbox
T2cb	2-pin connector, blue, in gearbox
T8e	8-pin connector, black, on gearbox
T52	52-pin connector



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

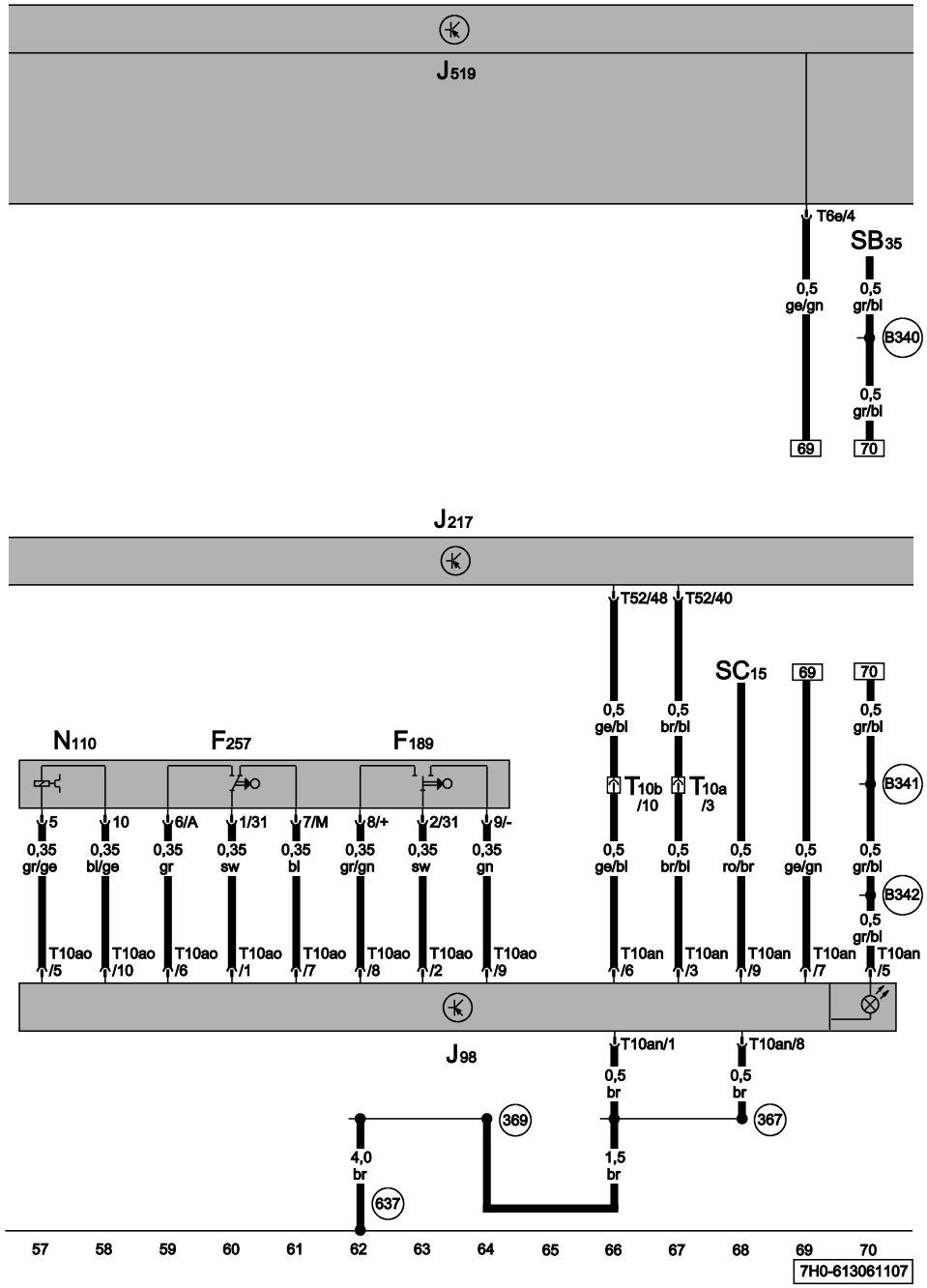




Automatic gearbox control unit, solenoid valves

J217	Automatic gearbox control unit
J519	Onboard supply control unit
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N282	Solenoid valve 9
N283	Solenoid valve 10
T2cc	2-pin connector, black, in gearbox
T2cd	2-pin connector, black, in gearbox
T2ce	2-pin connector, black, in gearbox
T2cf	2-pin connector, blue, in gearbox
T2cg	2-pin connector, blue, in gearbox
T2ch	2-pin connector, blue, in gearbox
T2cj	2-pin connector, black, in gearbox
T2ck	2-pin connector, black, in gearbox
T14a	14-pin connector, black, on gearbox
T52	52-pin connector

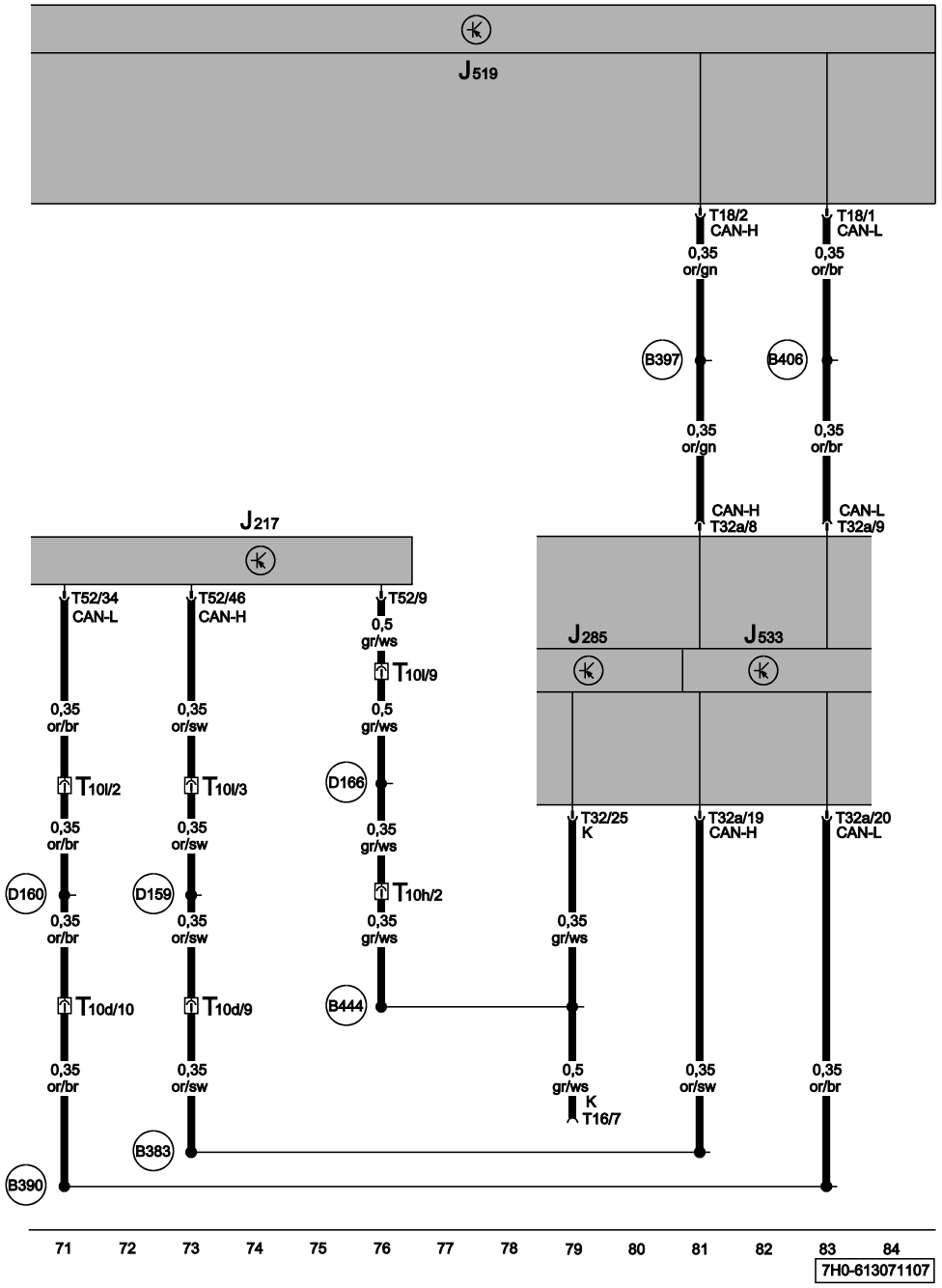
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br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, selector lever lock solenoid, Tiptronic switch, selector lever gate detector switch, gearshift indicator control unit

F189	Tiptronic switch
F257	Selector lever gate detector switch
J98	Gearshift indicator control unit
J217	Automatic gearbox control unit
J519	Onboard supply control unit
N110	Selector lever lock solenoid
SB35	Fuse 35 on fuse holder B
SC15	Fuse 15 on fuse holder C
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10an	10-pin connector, black
T10ao	10-pin connector, brown
T52	52-pin connector
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, control unit in dash panel insert, data bus diagnostic interface

J217	Automatic gearbox control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
T52	52-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness

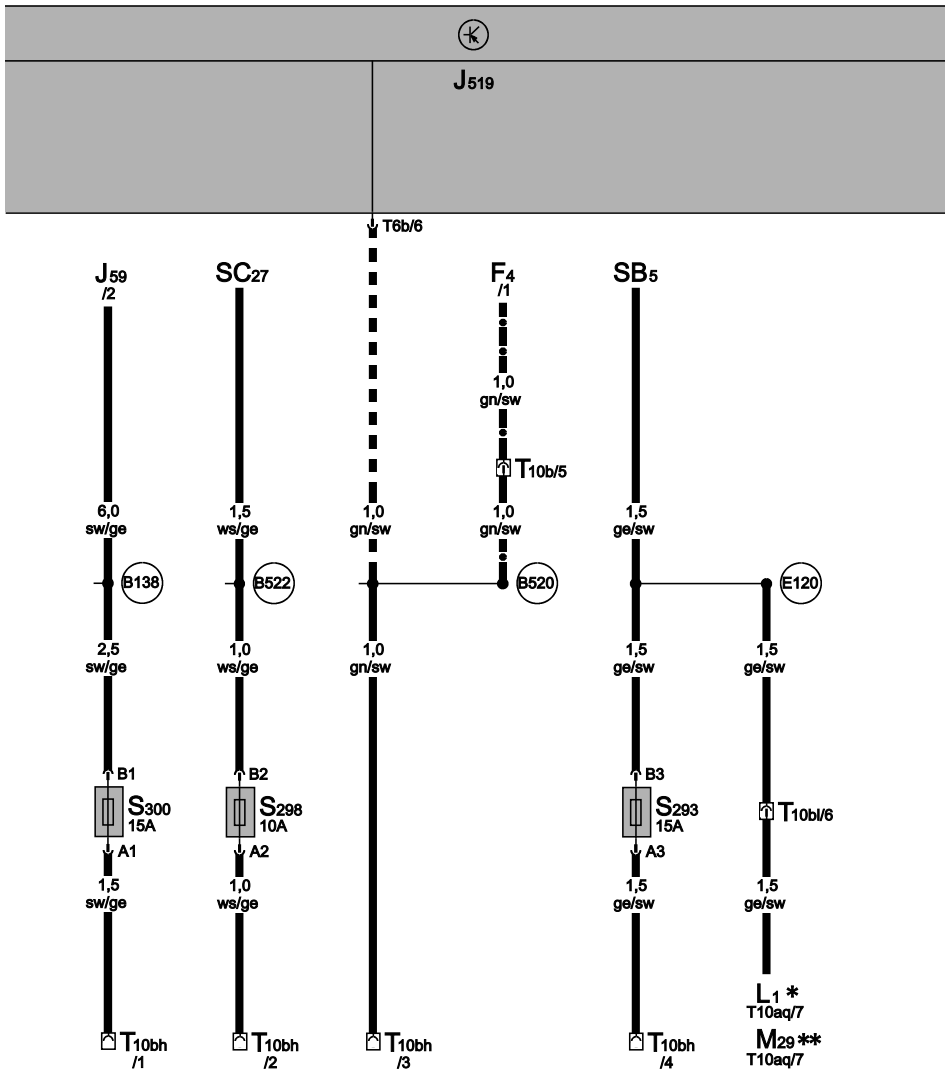
Electric interface (UF1/UF4/UF5/UF7)

⇒ **for external use**
⇒ **for special vehicles**
⇒ **for police vehicles**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Electric interface

F4	Reversing light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M29	Left dipped beam bulb
S293	Special vehicle fuse 3
S298	Special vehicle fuse 8
S300	Special vehicle fuse 10
SB5	Fuse 5 on fuse holder B
SC27	Fuse 27 on fuse holder C
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
B138	Positive connection (X), in interior wiring harness
B520	Connection (RL), in main wiring harness
B522	Connection (FL), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	not for multivan
**	For Multivan only

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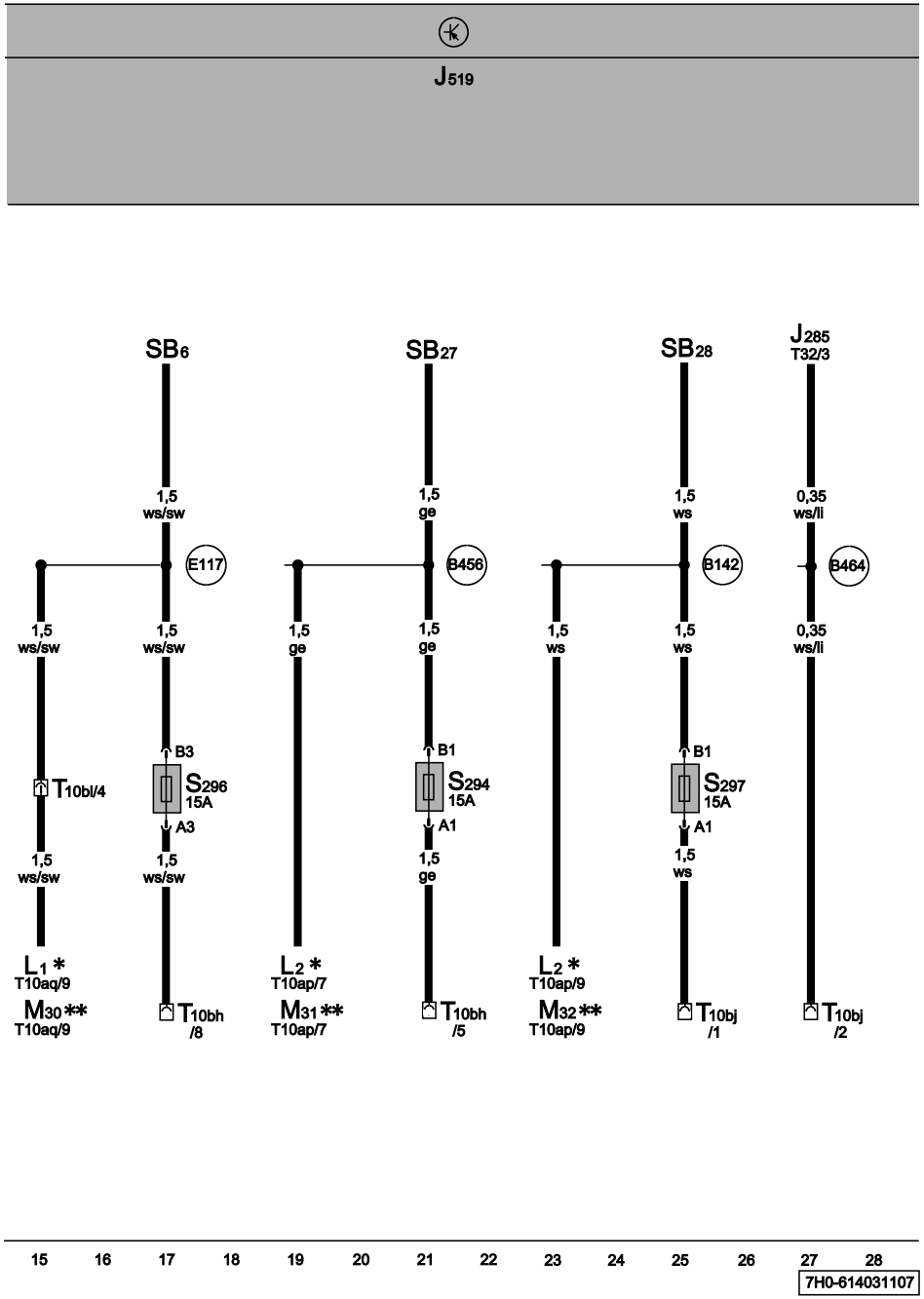
for models with manual gearbox only

for models with automatic gearbox only

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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

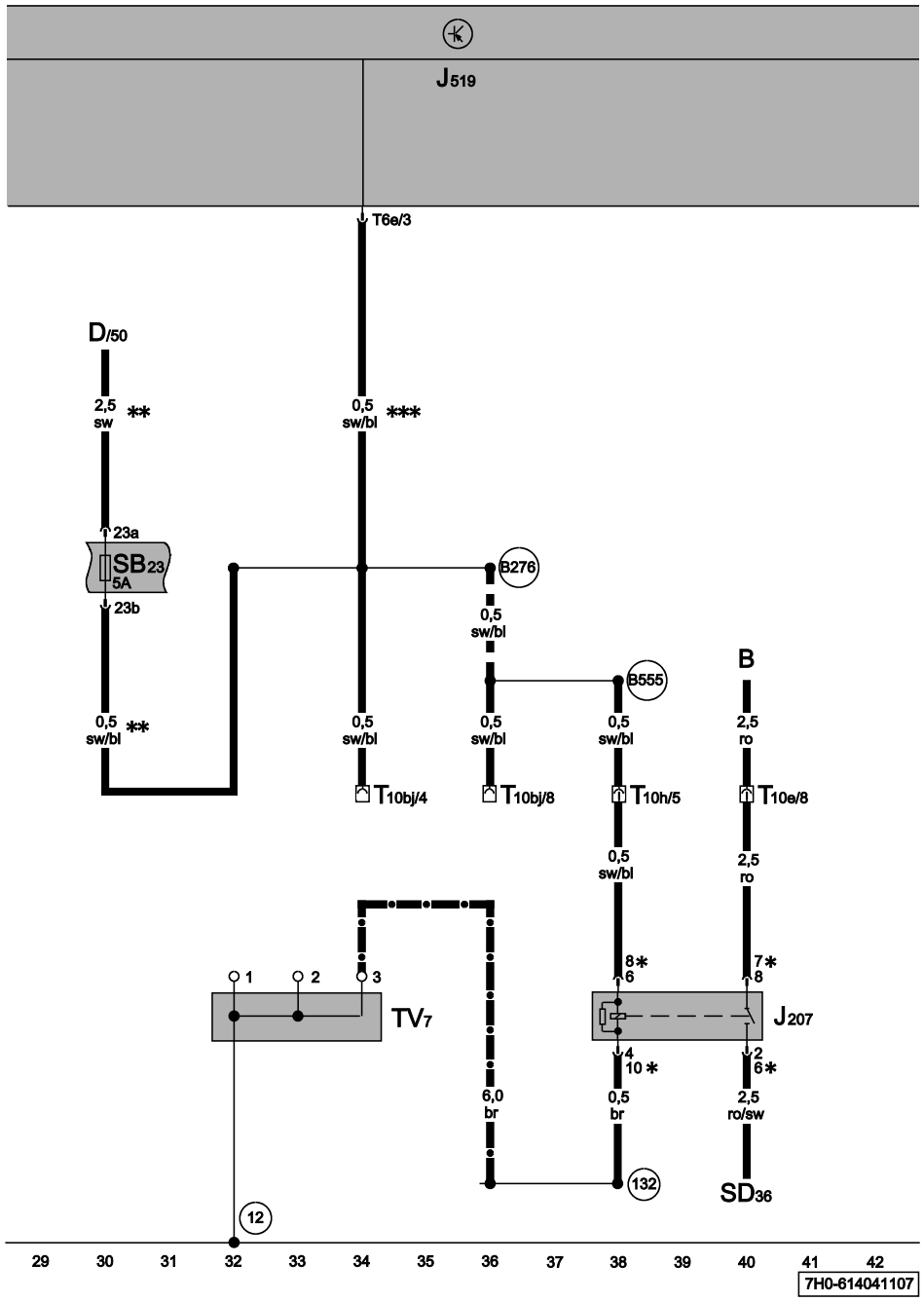
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electric interface

J285	Control unit in dash panel insert
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
S294	Special vehicle fuse 4
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
B142	Positive connection 2 (56a), in interior wiring harness
B456	Connection (56b), in main wiring harness
B464	Connection (speed signal), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	not for multivan
**	For Multivan only



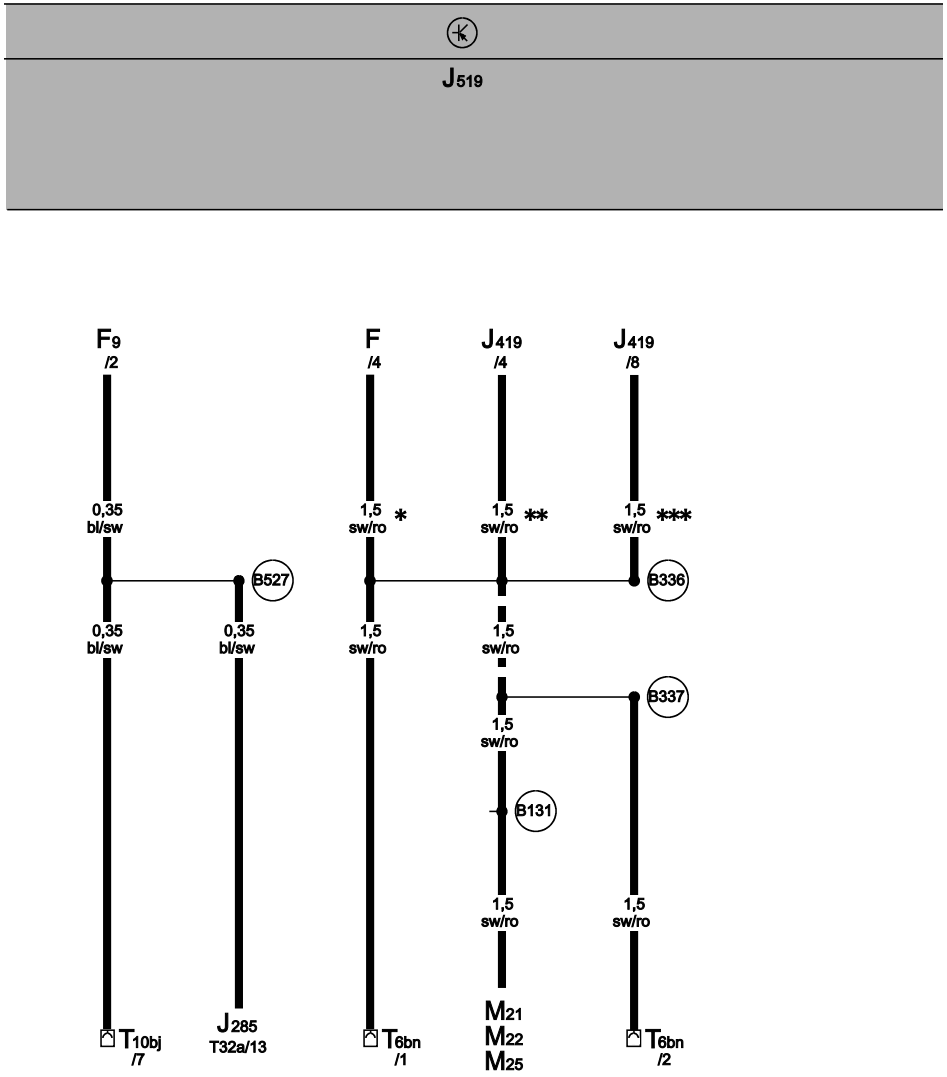
ws = white

Electric interface

B	Starter
D	Ignition/starter switch
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
SD36	Fuse 36 on fuse holder D
T6e	6-pin connector, red
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	applicable from November 2007
**	for models with manual gearbox only
***	for models with automatic gearbox only
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<fo:external-graphic src="/../	Wire could be cut by special vehicle manufacturer

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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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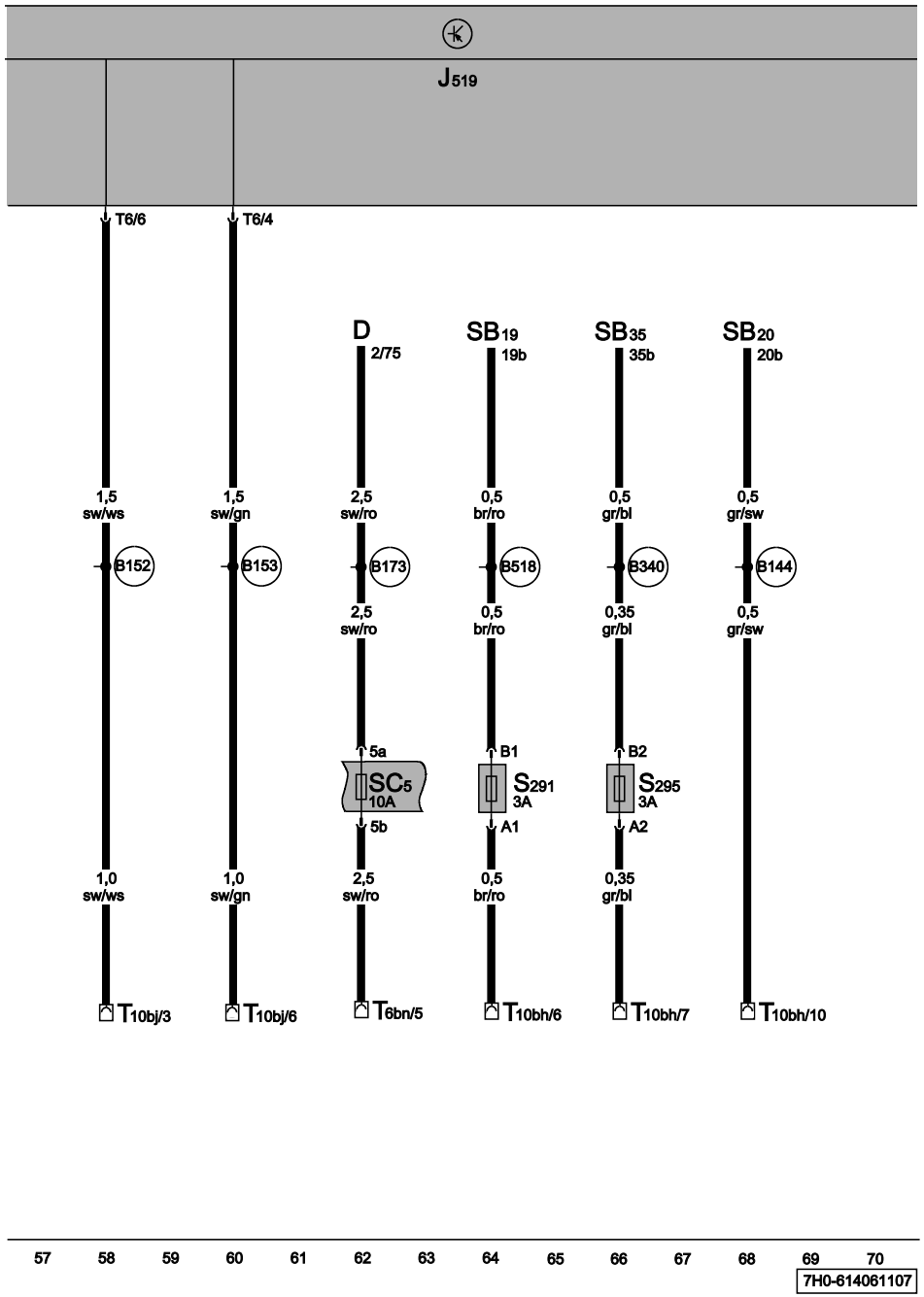


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Electric interface

F	Brake light switch
F9	Handbrake warning switch
J285	Control unit in dash panel insert
J419	Brake light additional relay
J519	Onboard supply control unit
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
M25	High level brake light bulb
T6bn	6-pin connector, grey, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
T32a	32-pin connector, green
B131	Connection (54), in interior wiring harness
B336	Connection 2 (54), in main wiring harness
B337	Connection 3 (54), in main wiring harness
B527	Connection (handbrake), in main wiring harness
*	for models without ESP only
**	only models with ESP and without serial trailer towing coupling (1D0)
***	for models with ESP and serial trailer towing coupling (1D1/1D2)

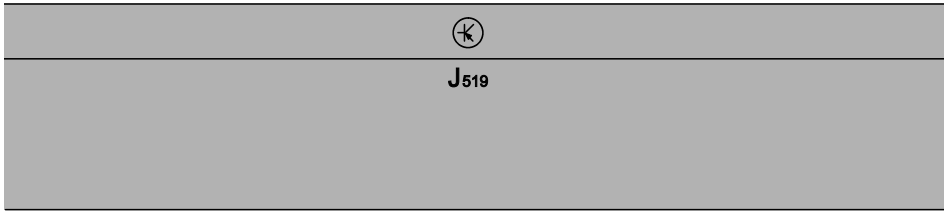
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Wire could be cut by special vehicle manufacturer

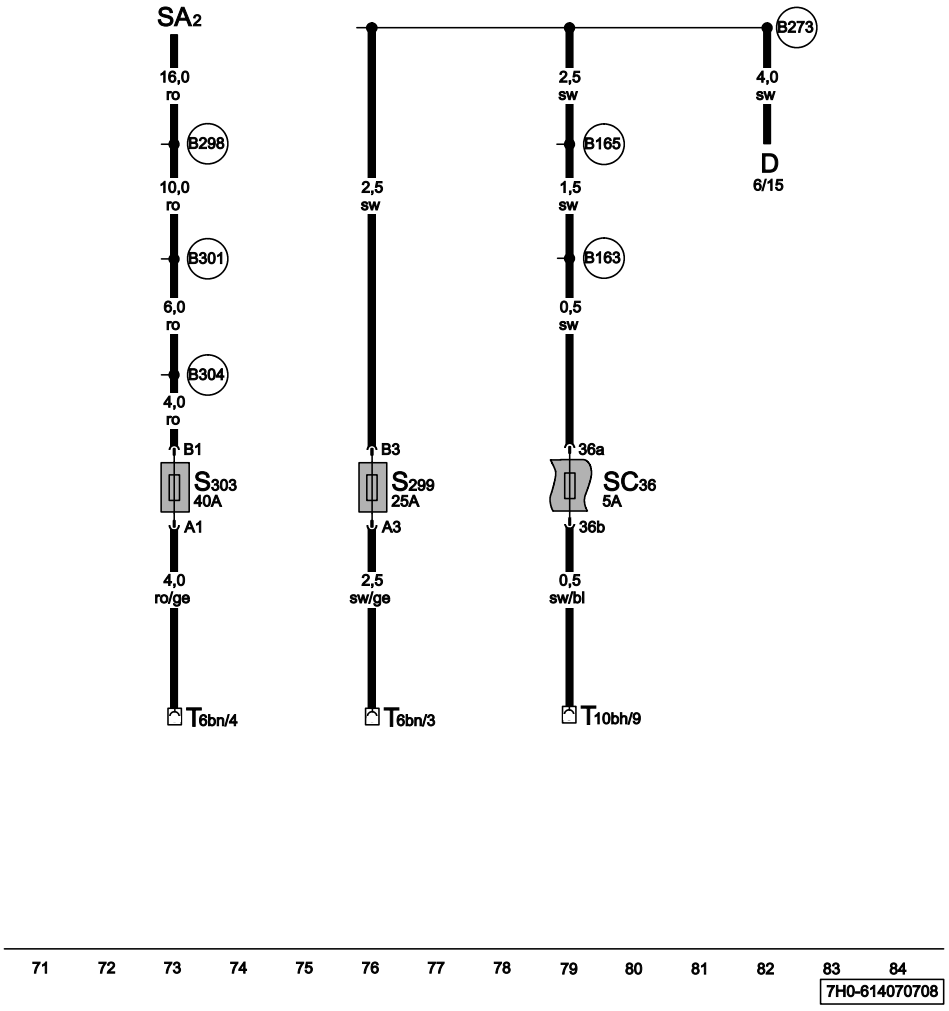


Electric interface

D	Ignition/starter switch
S291	Special vehicle fuse 1
S295	Special vehicle fuse 5
SB19	Fuse 19 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC5	Fuse 5 on fuse holder C
T6	6-pin connector, black
T6bn	6-pin connector, grey, coupling station under driver seat
T10bh	10-pin connector, purple, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
B144	Positive connection (58L), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
B518	Connection (86s), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





Electric interface

D	Ignition/starter switch
S299	Special vehicle fuse 9
S303	Special vehicle fuse 13
SA2	Fuse 2 on fuse holder A
SC36	Fuse 36 on fuse holder C
T6bn	6-pin connector, grey, coupling station under driver seat
T10bh	10-pin connector, purple, coupling station under driver seat
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Parking aid (PDC)

from November 2006

Notes:

For information concerning

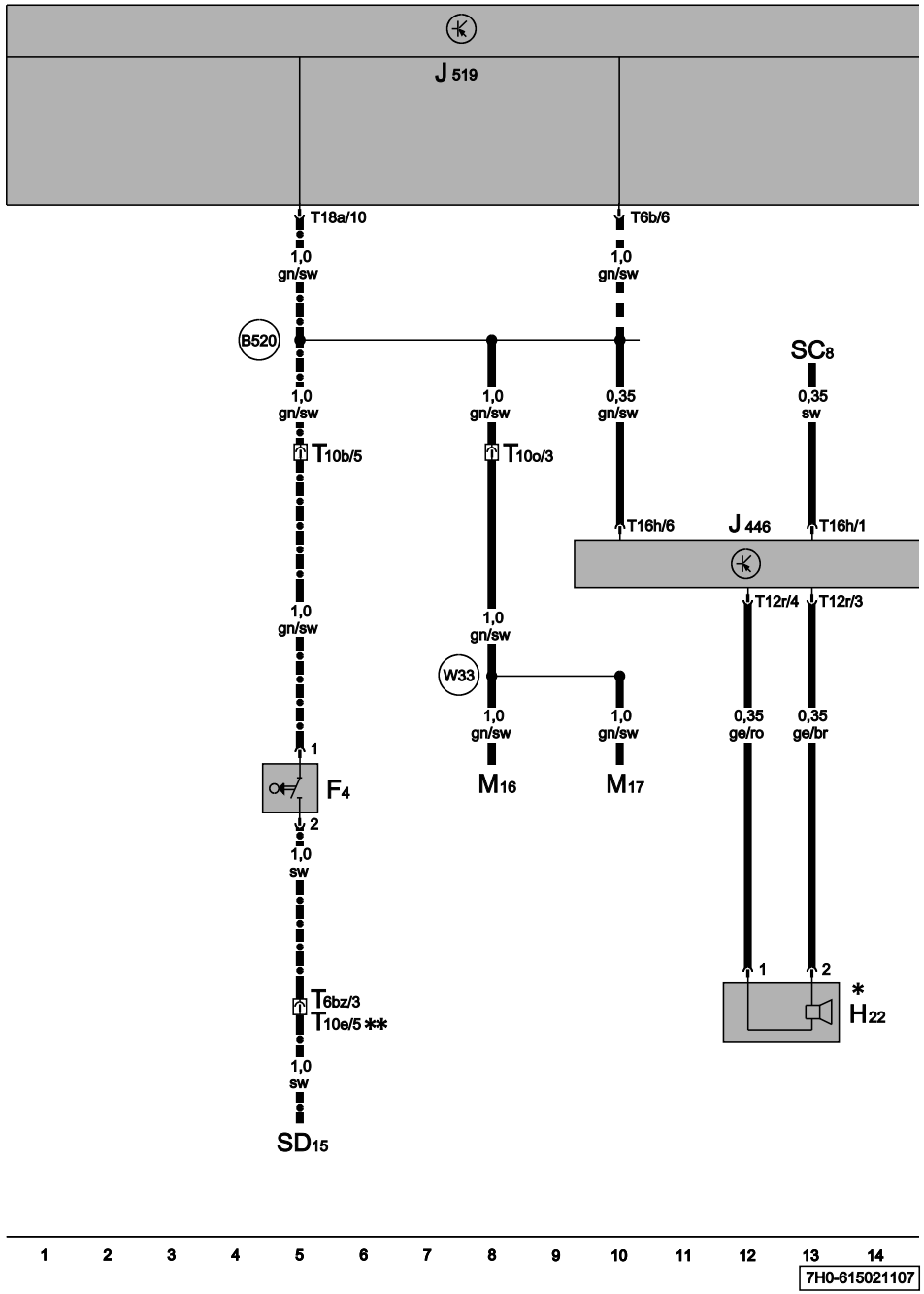
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Onboard supply control unit, parking aid control unit, reversing light switch, front parking aid warning buzzer, fuses

F4	Reversing light switch
H22	Front parking aid warning buzzer
J446	Parking aid control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC8	Fuse 8 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12r	12-pin connector, brown
T16h	16-pin connector, brown
T18a	18-pin connector, brown
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with parking aid front and rear only
**	applicable from June 2007

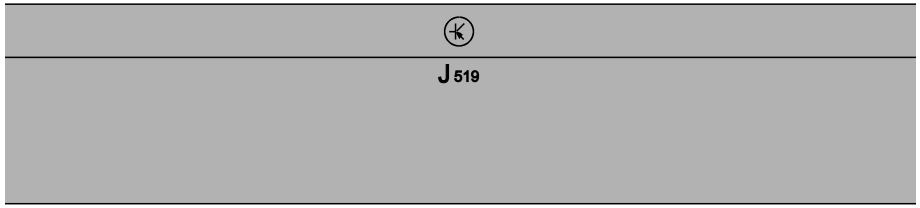
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for models with manual gearbox only

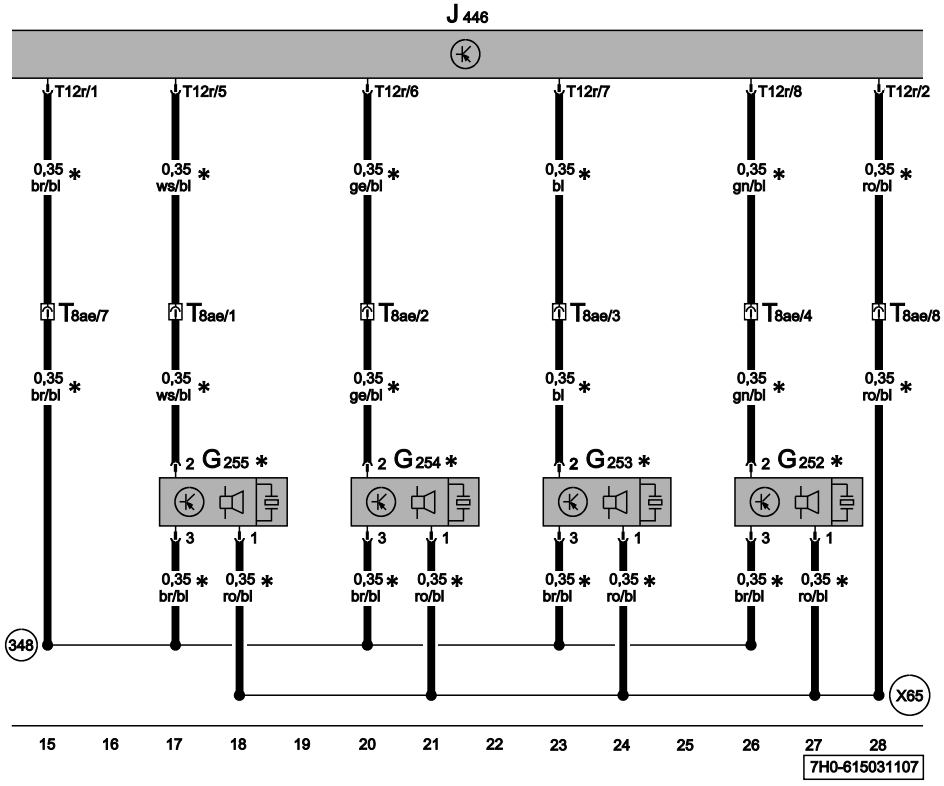
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for models with automatic gearbox only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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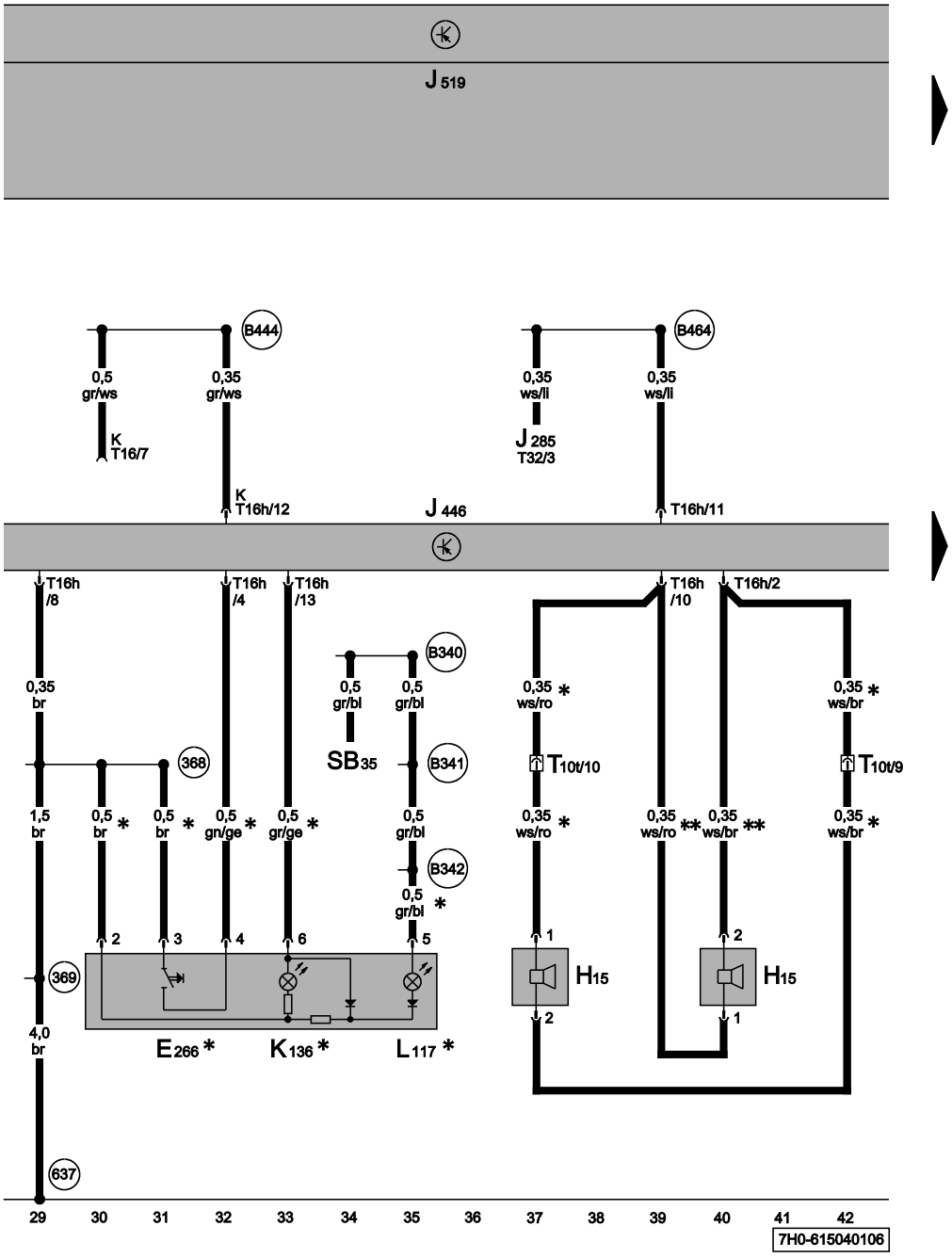




Parking aid control unit, front parking aid sender

G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T8ae	8-pin connector, black, near headlight, front right
T12r	12-pin connector, brown
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
*	for models with parking aid front and rear only

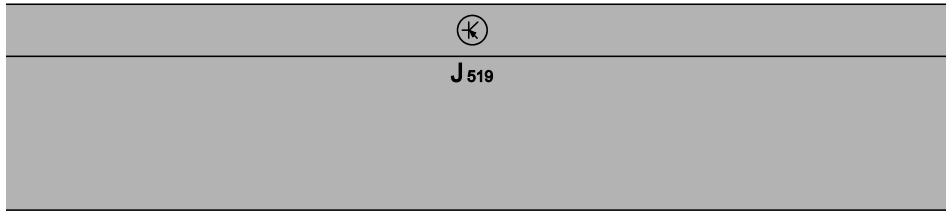
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

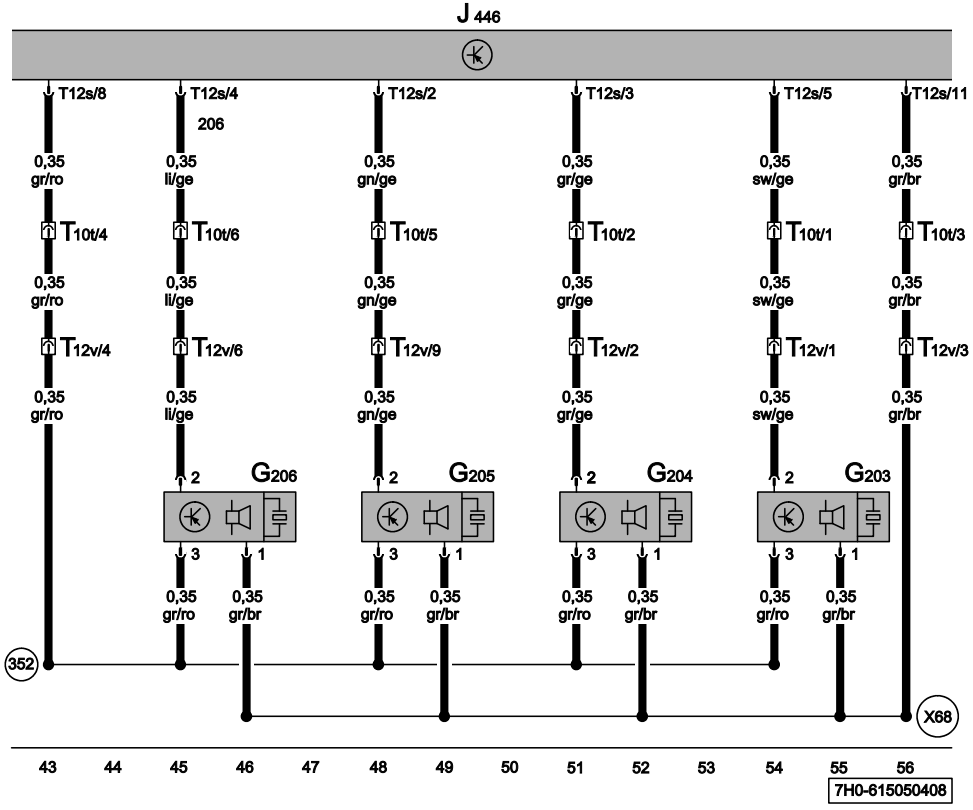
Parking aid control unit, parking aid button, parking aid warning buzzer, diagnostic connector

E266	Parking aid button
H15	Rear parking aid warning buzzer
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
K136	Parking aid warning lamp
L117	Parking aid switch illumination bulb
SB35	Fuse 35 on fuse holder B
T10t	10-pin connector, black, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T16h	16-pin connector, brown
T32	32-pin connector, blue
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with parking aid front and rear only
**	for models with rear parking aid only

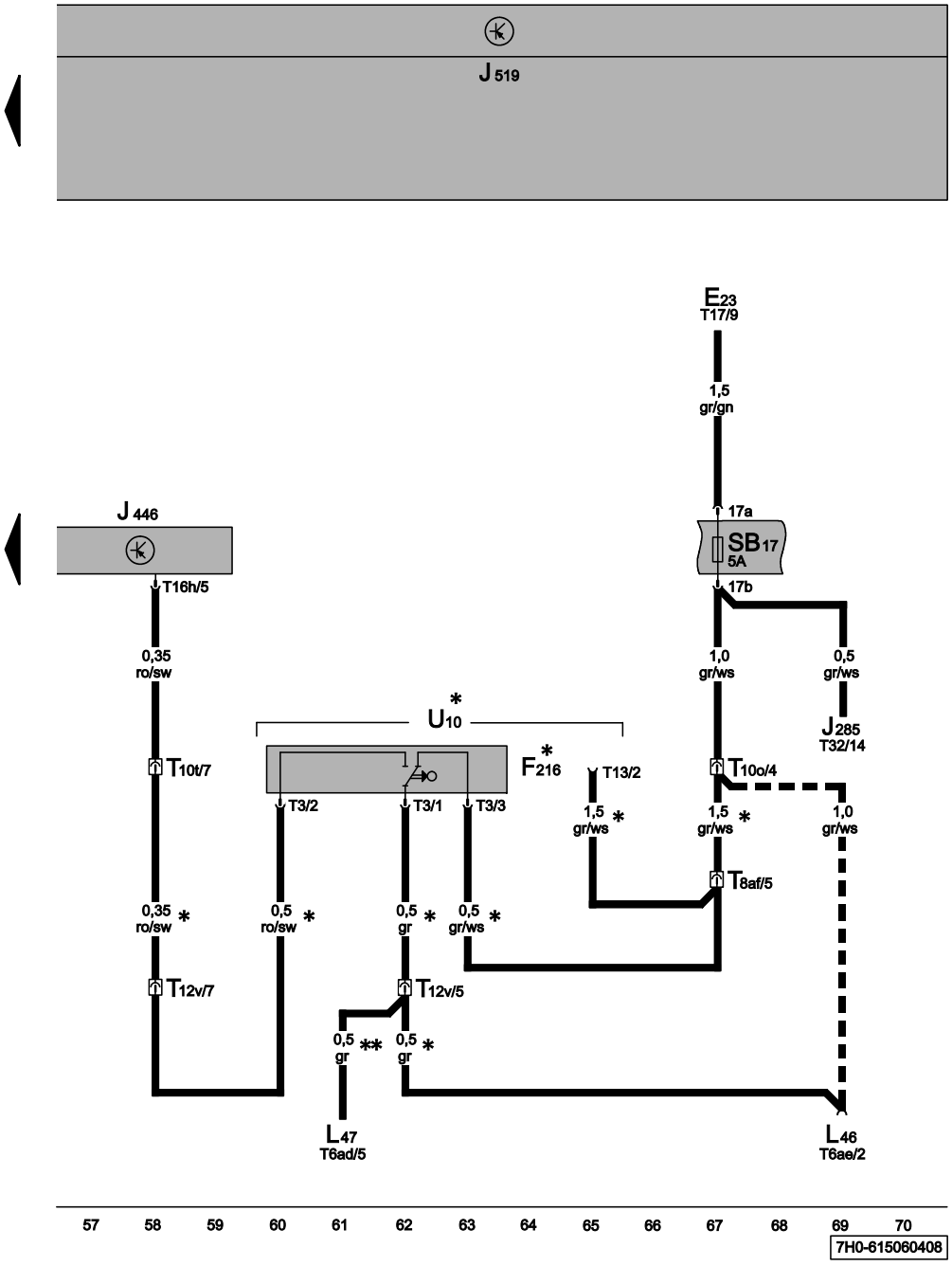


Parking aid control unit, rear parking aid sender

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T10t	10-pin connector, black, coupling station under driver seat
T12s	12-pin connector, black
T12v	12-pin connector, black, coupling station on left of D-pillar
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Connection (parking aid), in rear bumper wiring harness



ws	=	white
sw	=	black
ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



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Parking aid control unit, rear fog light cut-out contact switch, trailer socket, rear left fog light bulb

E23	Front and rear fog light switch
F216	Rear fog light cut-out contact switch
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ad	6-pin connector
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
T17	17-pin connector
T32	32-pin connector, blue
U10	Trailer socket
*	for models with trailer operation only
**	for multivan with trailer operation only
<fo:exter	for models without trailer operation only
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Tail lights - plank bed

⇒ **Trailer operation (1D1/1D2)**

from June 2007

Notes:

For information concerning

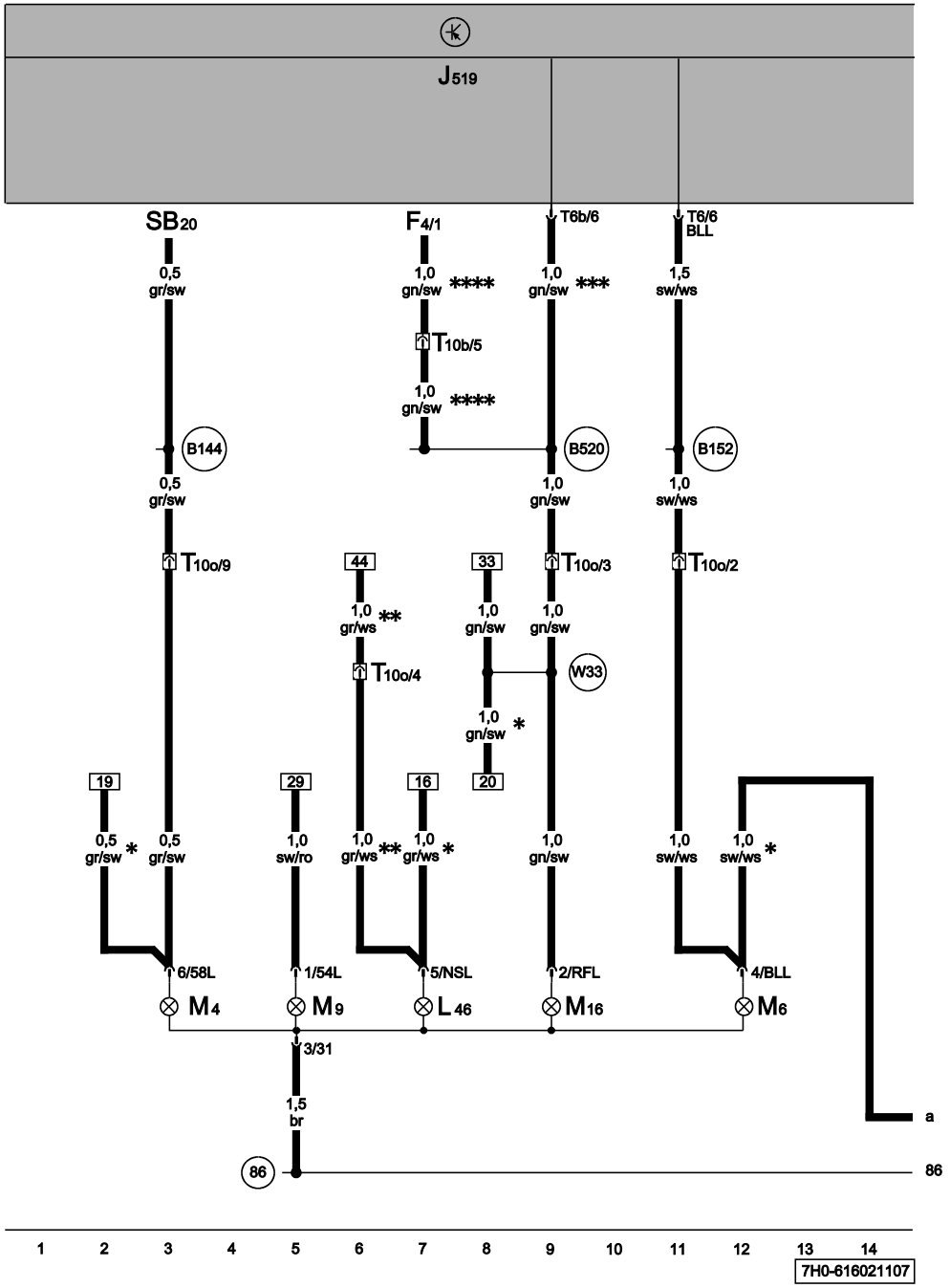
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

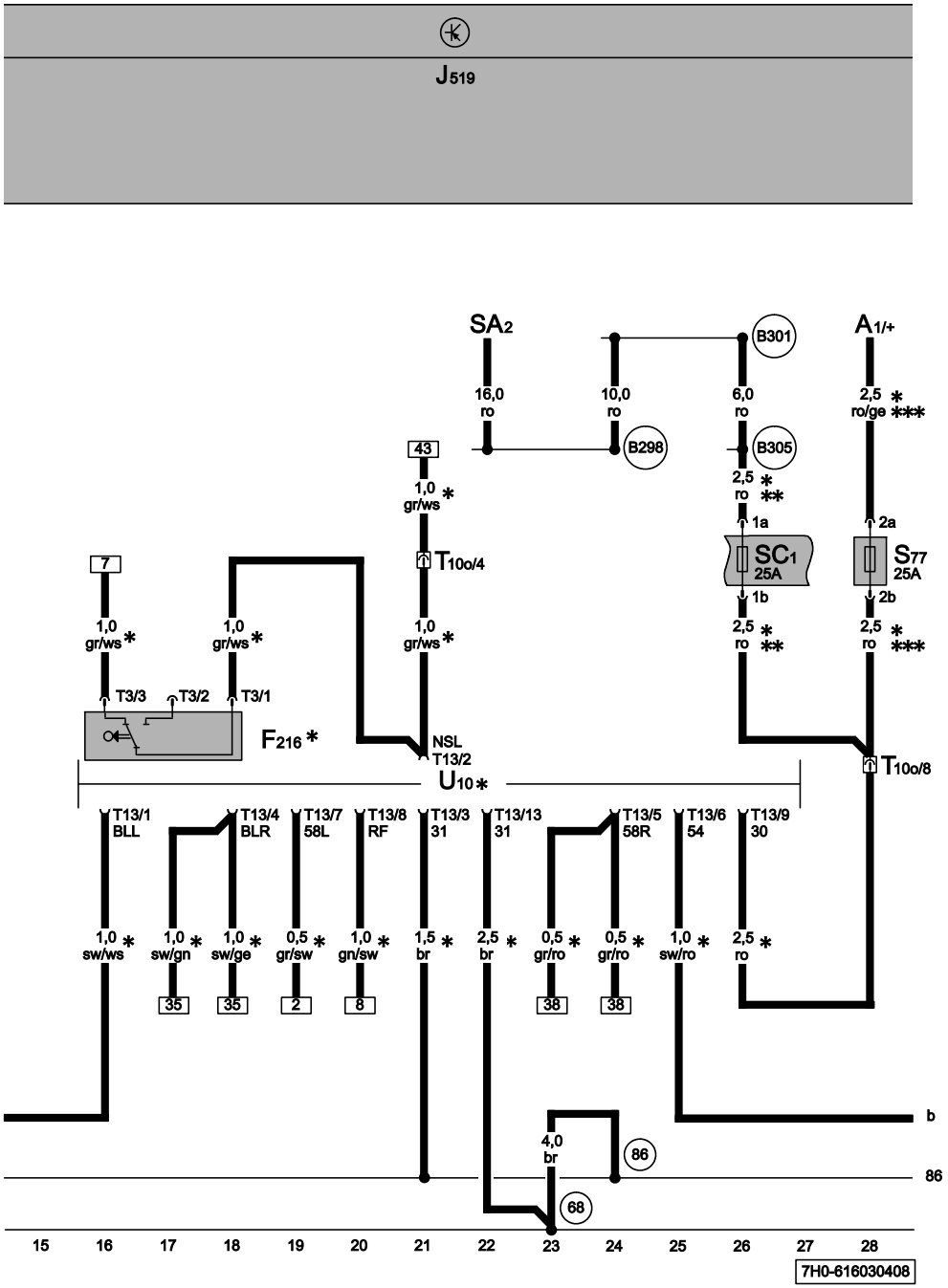
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left tail light bulb, rear left fog light bulb, left brake light bulb, left reversing light bulb

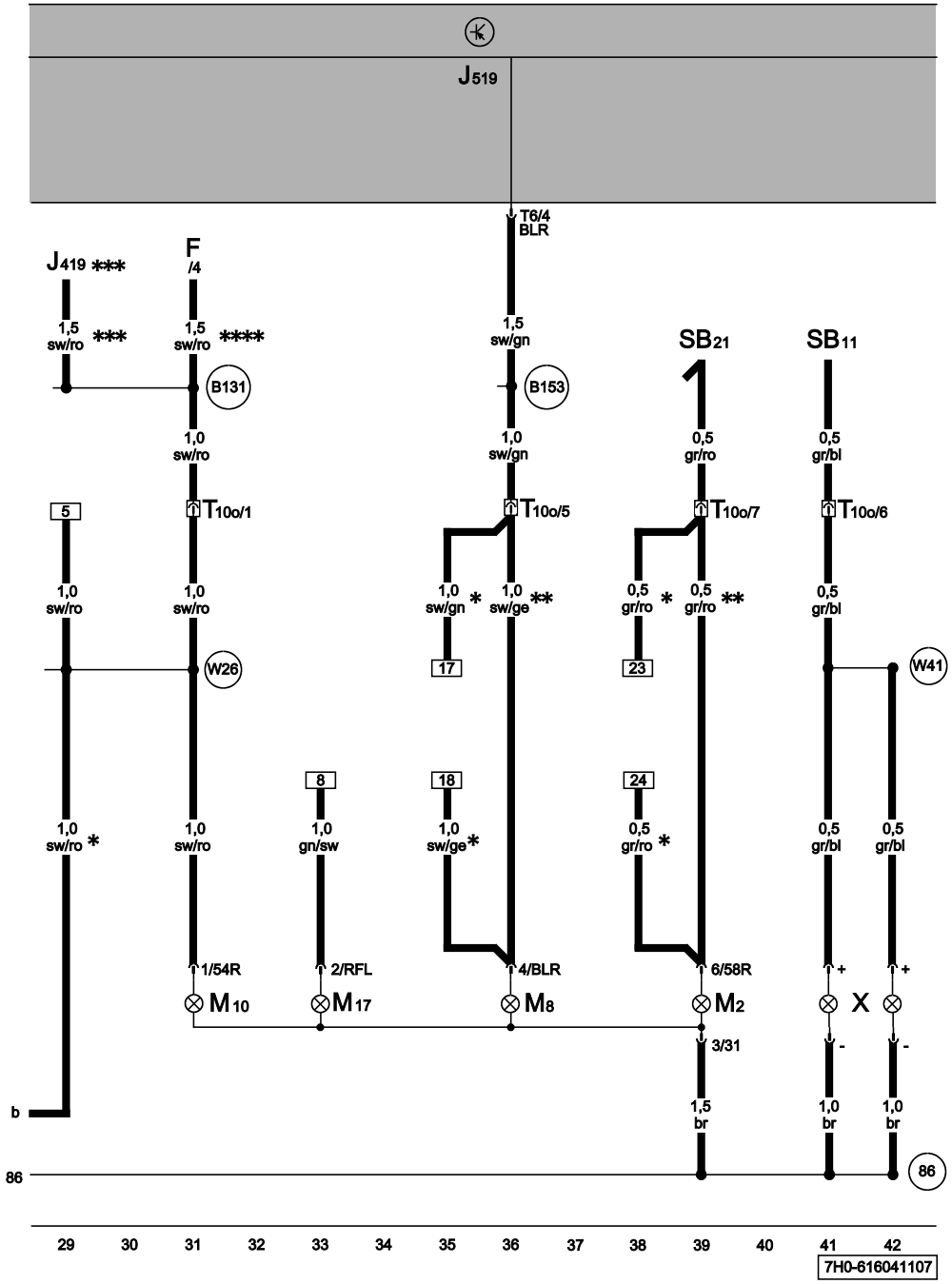
F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M6	Rear left turn signal bulb
M9	Left brake light bulb
M16	Left reversing light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with automatic gearbox only
****	for models with manual gearbox only



ws = white
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Onboard supply control unit, trailer socket, rear fog light cut-out contact switch

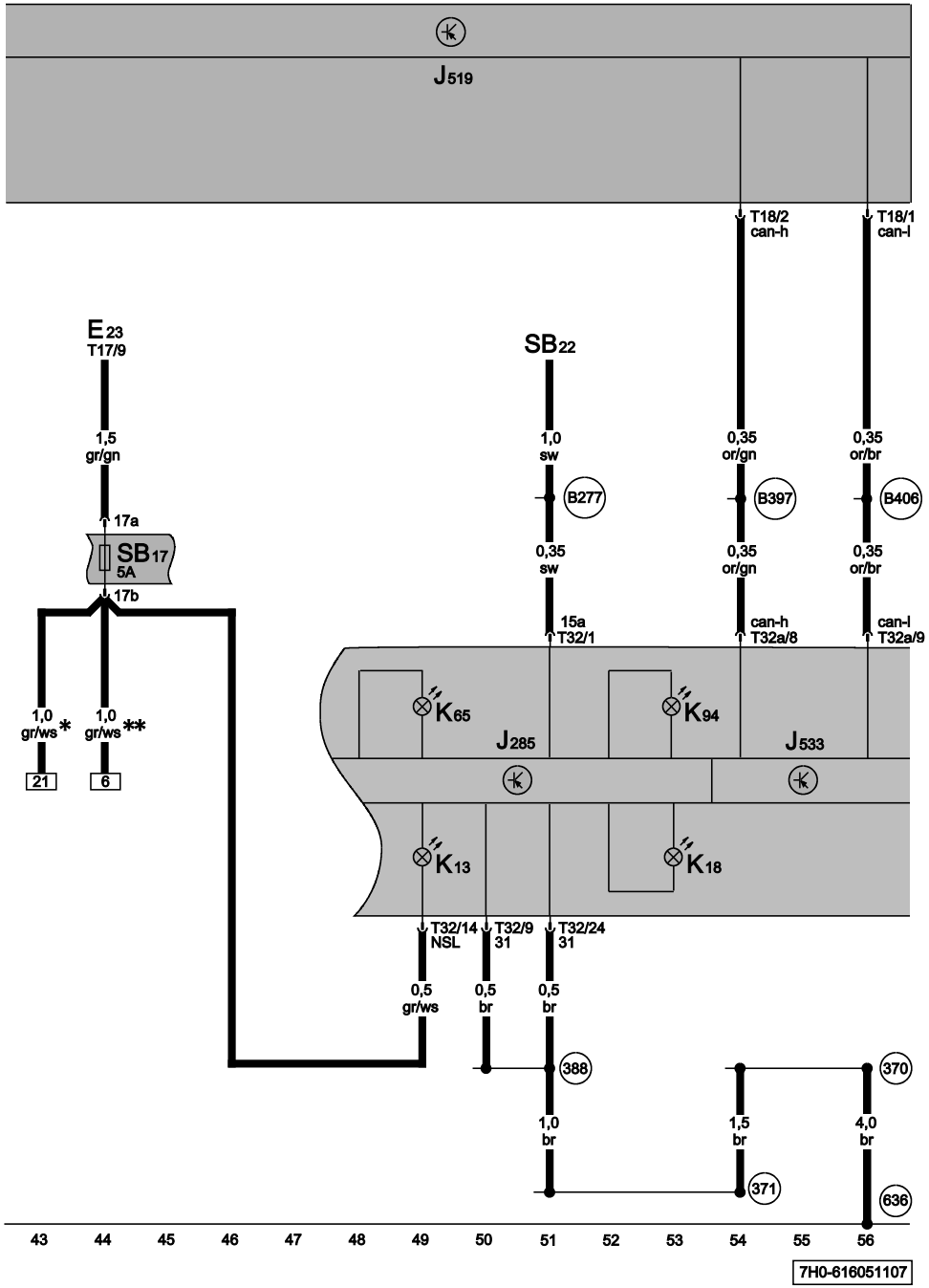
A1	Second battery
F216	Rear fog light cut-out contact switch
J519	Onboard supply control unit
S77	Terminal 30 fuse, trailer towing attachment
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
U10	Trailer socket
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with trailer socket only
**	for models without second battery only
***	for models with second battery only



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li = purple
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Onboard supply control unit, right tail light bulb, right brake light bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M2	Right tail light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
SB11	Fuse 11 on fuse holder B
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T10o	10-pin connector, light-green, coupling station under driver seat
X	Number plate light
86	Earth connection 1, in rear wiring harness
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with ESP only ⇒ ABS Current Flow Diagram
****	for models without ESP only



ws = white
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Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

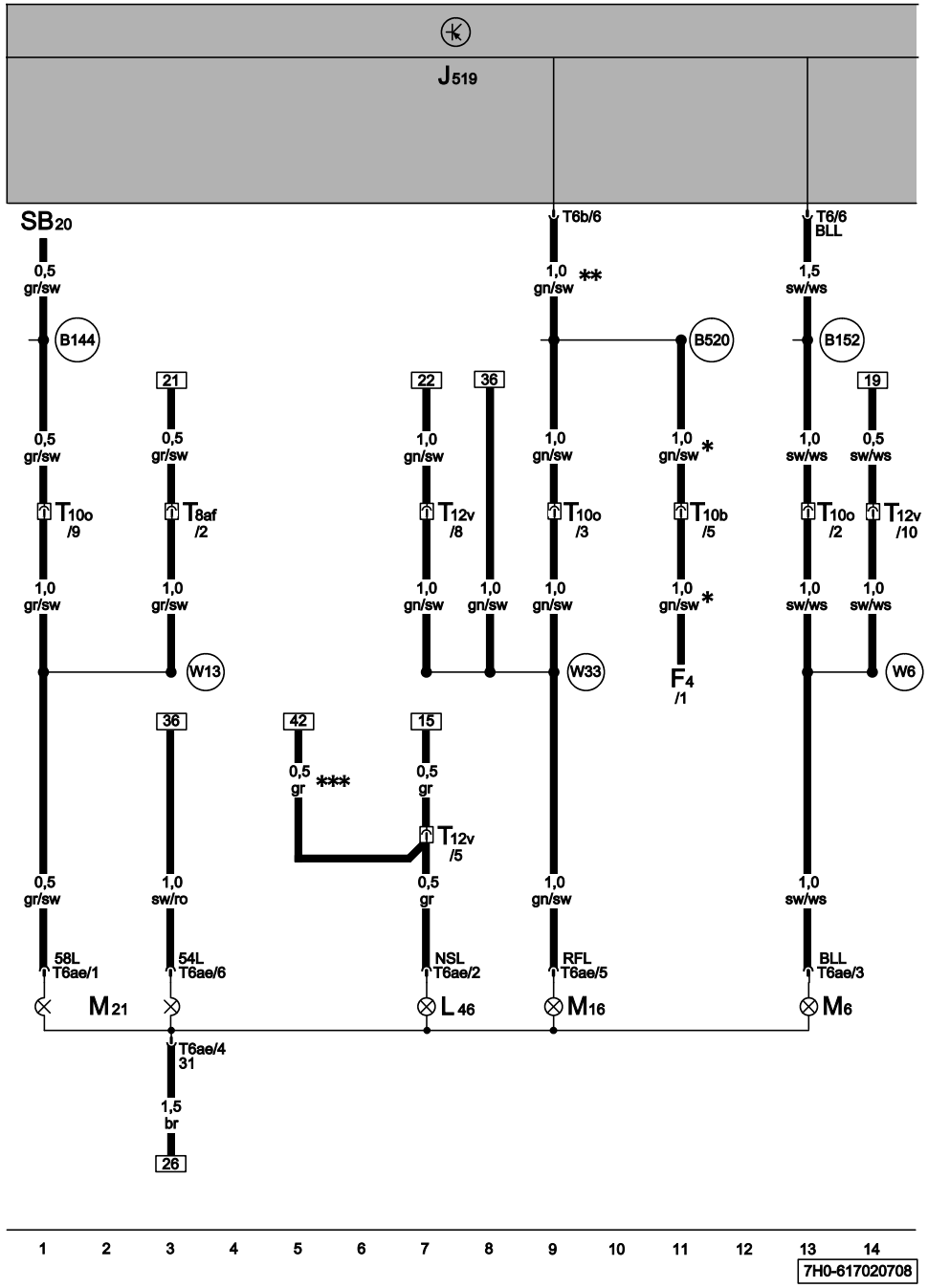
Trailer operation (1D1/1D2)

⇒ **Multivan, camper, box-type delivery van and hybrid vehicle**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

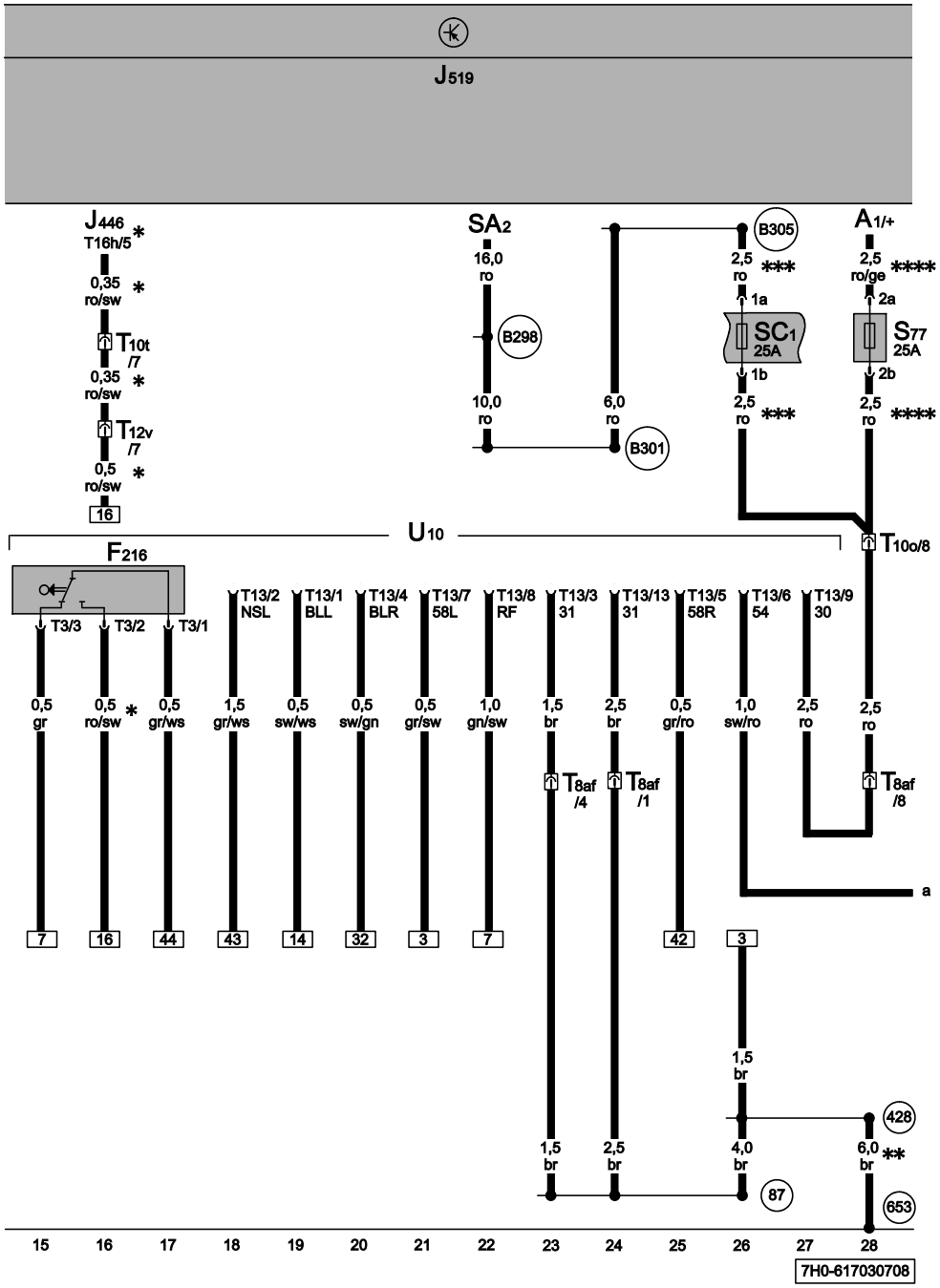
⇒ guided fault finding



ws = white
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gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

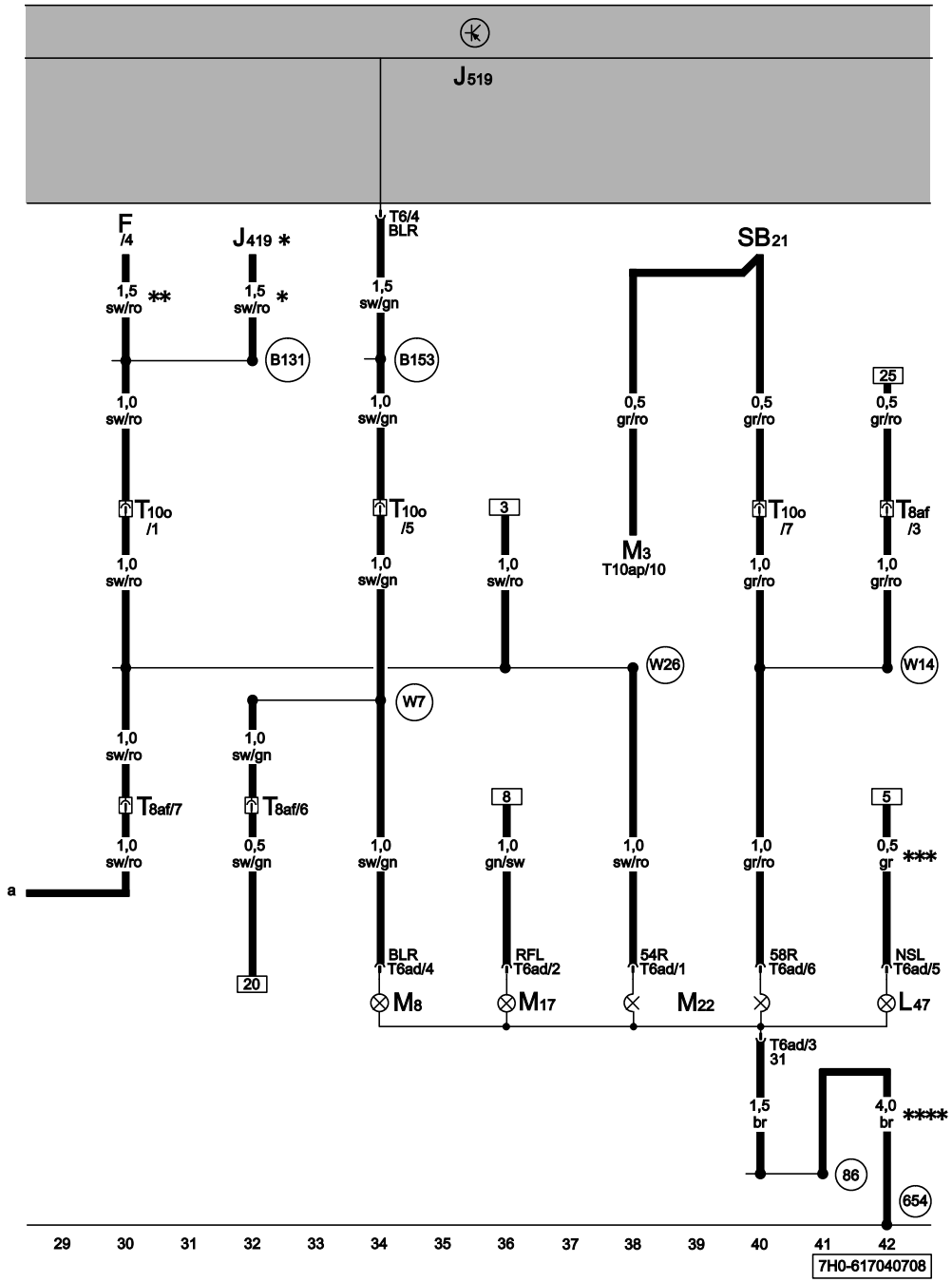
F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal) in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox, signal output only
***	For Multivan only



Trailer socket, rear fog light cut-out contact switch, fuses

A1	Second battery
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
S77	Terminal 30 fuse, trailer towing attachment
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with parking aid only
**	cross-section depends on equipment
***	for models without second battery only
****	for models with second battery only

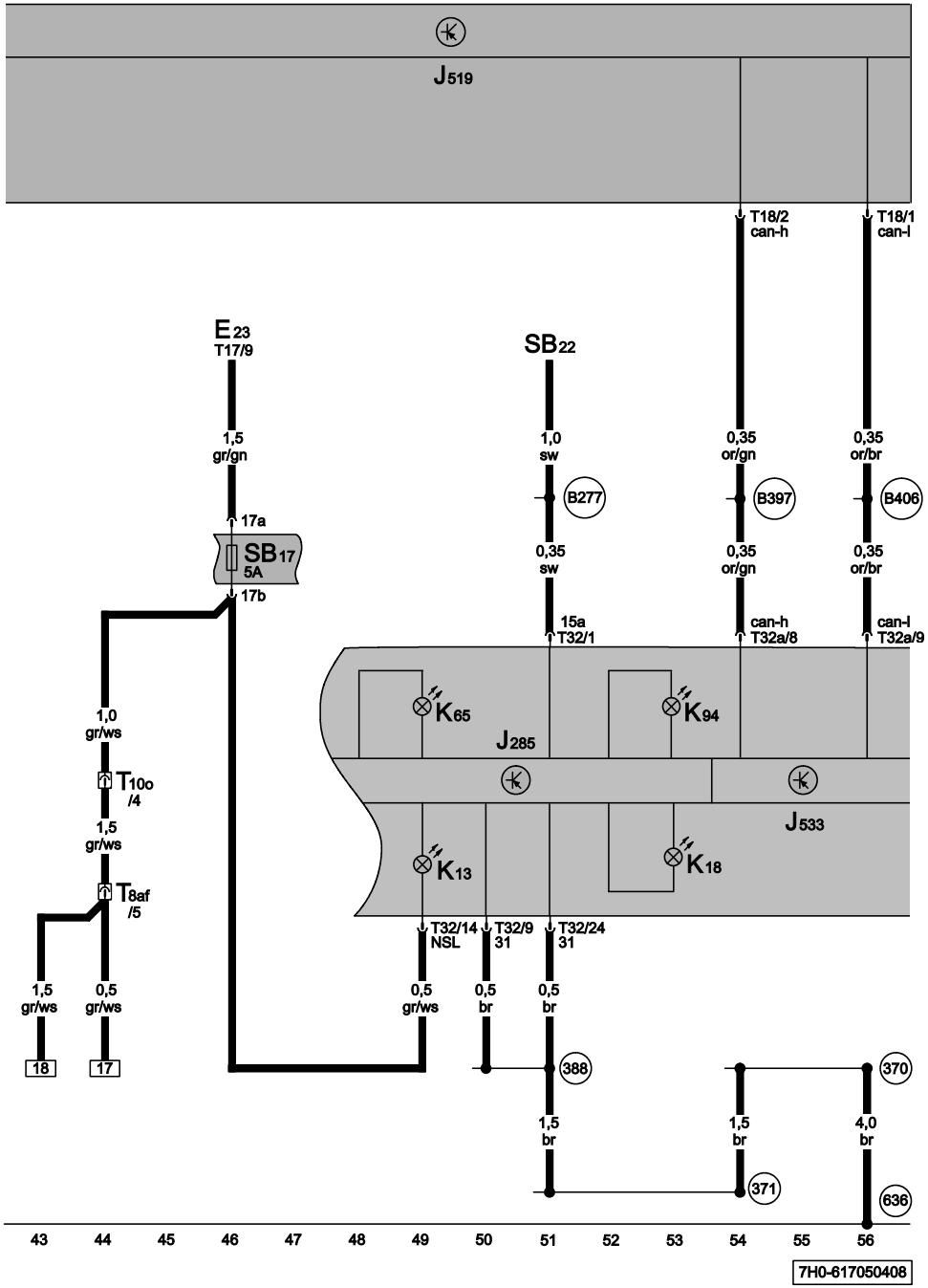
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb, rear right fog light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
L47	Rear right fog light bulb
M3	Right side light bulb
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	For Multivan only
****	cross-section depends on equipment



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Control unit in dash panel insert, warning lamps, fuses

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

Telephone preparation (9ZG)

from November 2007

Notes:

For information concerning

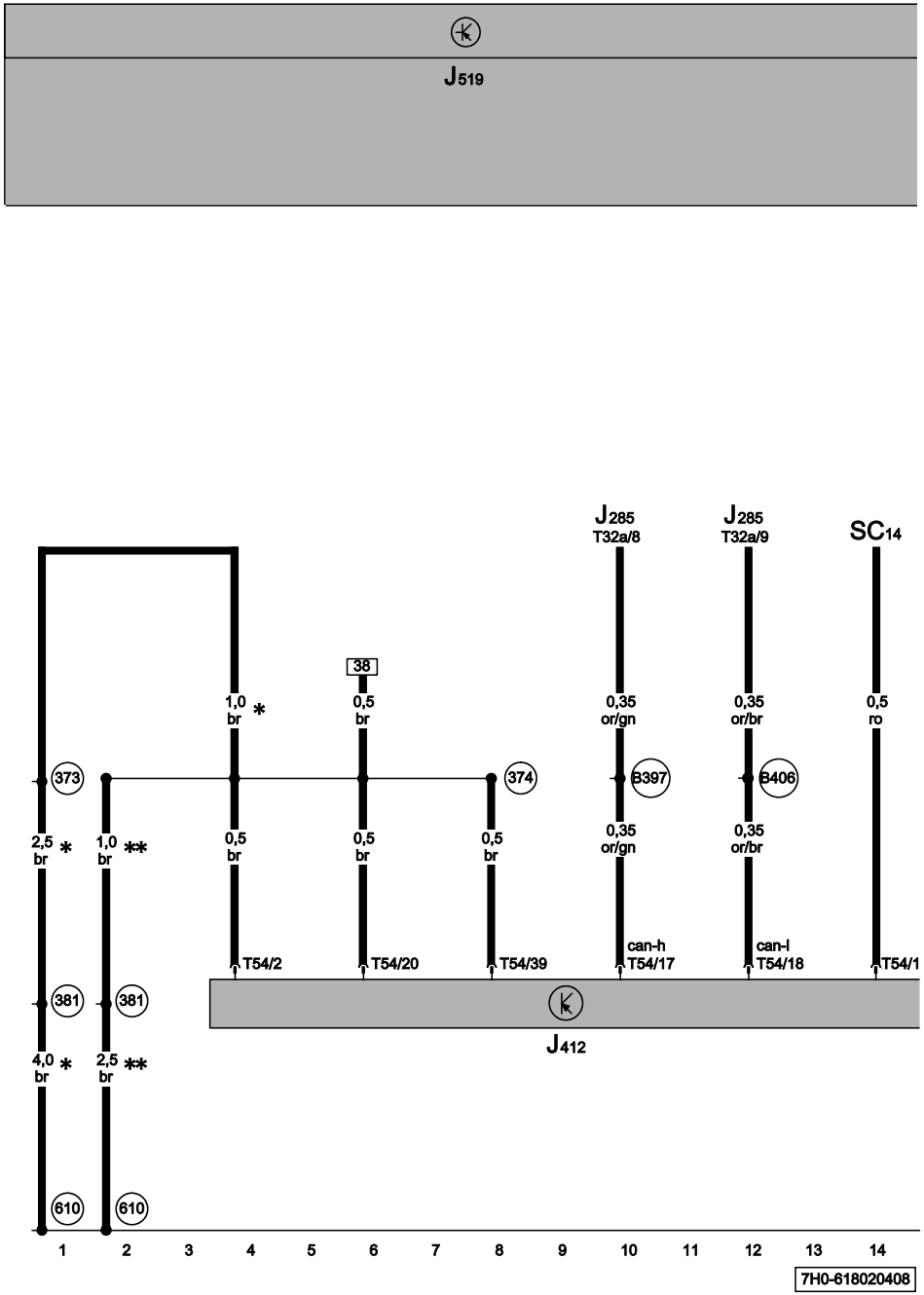
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

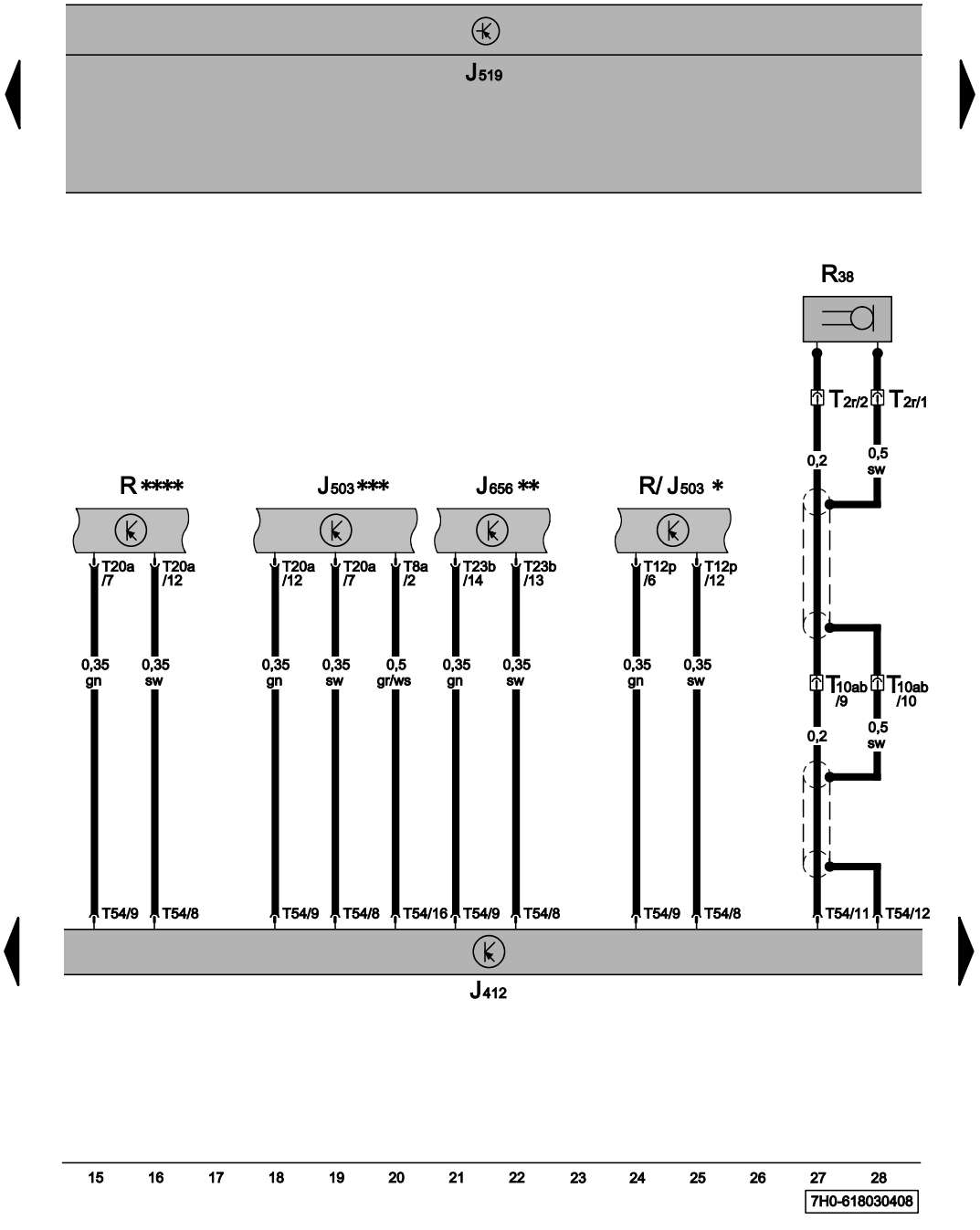
⇒ guided fault finding



Mobile telephone operating electronics control unit, fuses

J285	Control unit in dash panel insert
J412	Mobile telephone operating electronics control unit
J519	Onboard supply control unit
SC14	Fuse 14 on fuse holder C
T32a	32-pin connector, green
T54	54-pin connector, black
373	Earth connection 8, in main wiring harness
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with sound package only (9VE/ 9VK)
**	for models with 2, 4 or 8 loudspeakers only (8RD/ 8RE/ 8RM)

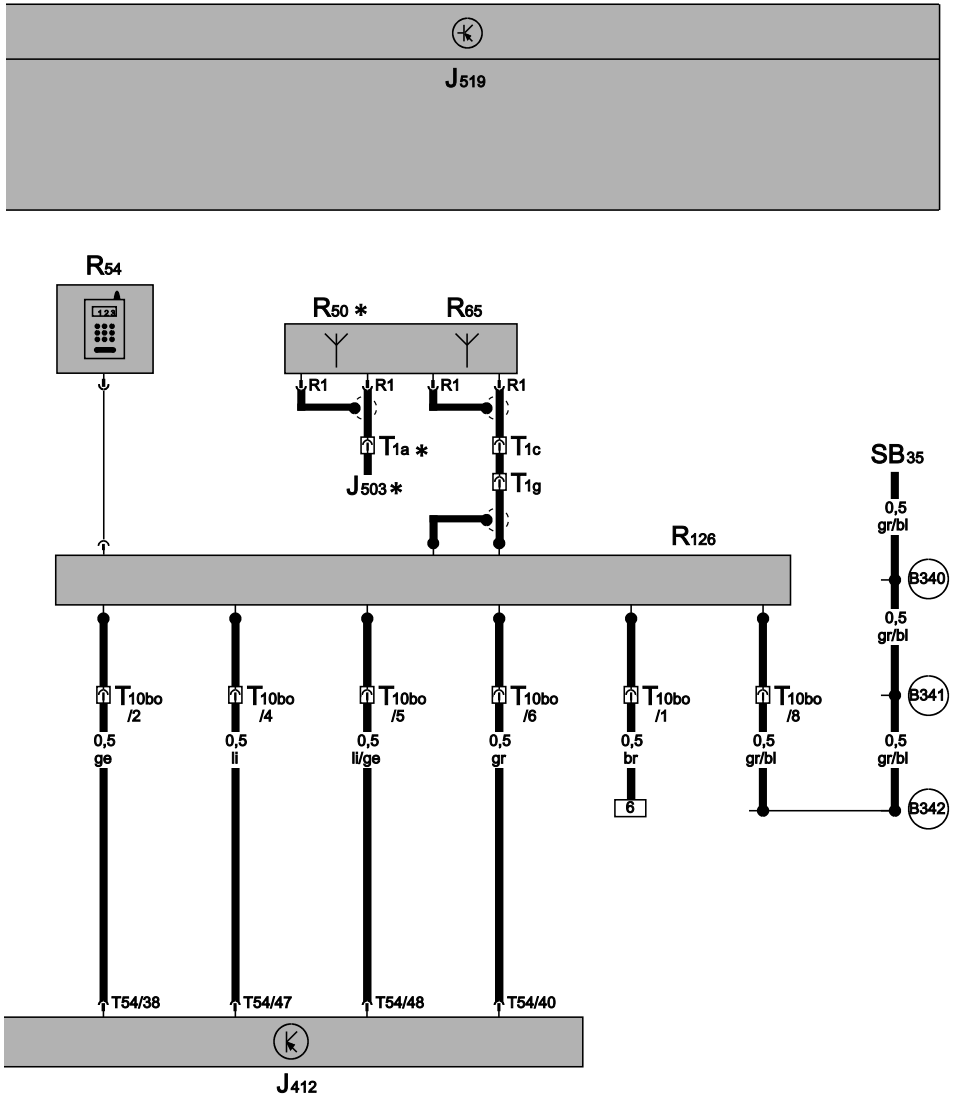
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ro	=	red
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gn	=	green
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gr	=	grey
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Mobile telephone operating electronics control unit, telephone microphone, control unit with display for radio and navigation, radio

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
R38	Telephone microphone
T2r	2-pin connector
T8a	8-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
T12p	12-pin connector, green
T20a	20-pin connector, on radio three parts
T23b	23-pin connector, black
T54	54-pin connector, black
*	for models without voice amplification (VX0), radio / navigation system (7Q2), radio system Delta (8UT), R110 (8YG), RCD200 (8UA) or RCD200 MP3 (8AN) only
**	for models with voice amplification (VX2), radio and navigation system (7Q2) or radio system Delta (8UT) only
***	for models with radio navigation system only (7Q5/7Q7)
****	for models with preparation for radio (8UB) only



Mobile telephone operating electronics control unit, telephone bracket, telephone aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R50	Navigation system aerial
R54	Mobile telephone
R65	Telephone aerial
R126	Telephone bracket
SB35	Fuse 35 on fuse holder B
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1g	Single pin connector, near telephone bracket
T10bo	10-pin connector, black, near telephone bracket
T54	54-pin connector, black
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
*	for models with radio / navigation system only (7Q2, 7Q5, 7Q7)

ws	=	white
sw	=	black
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink

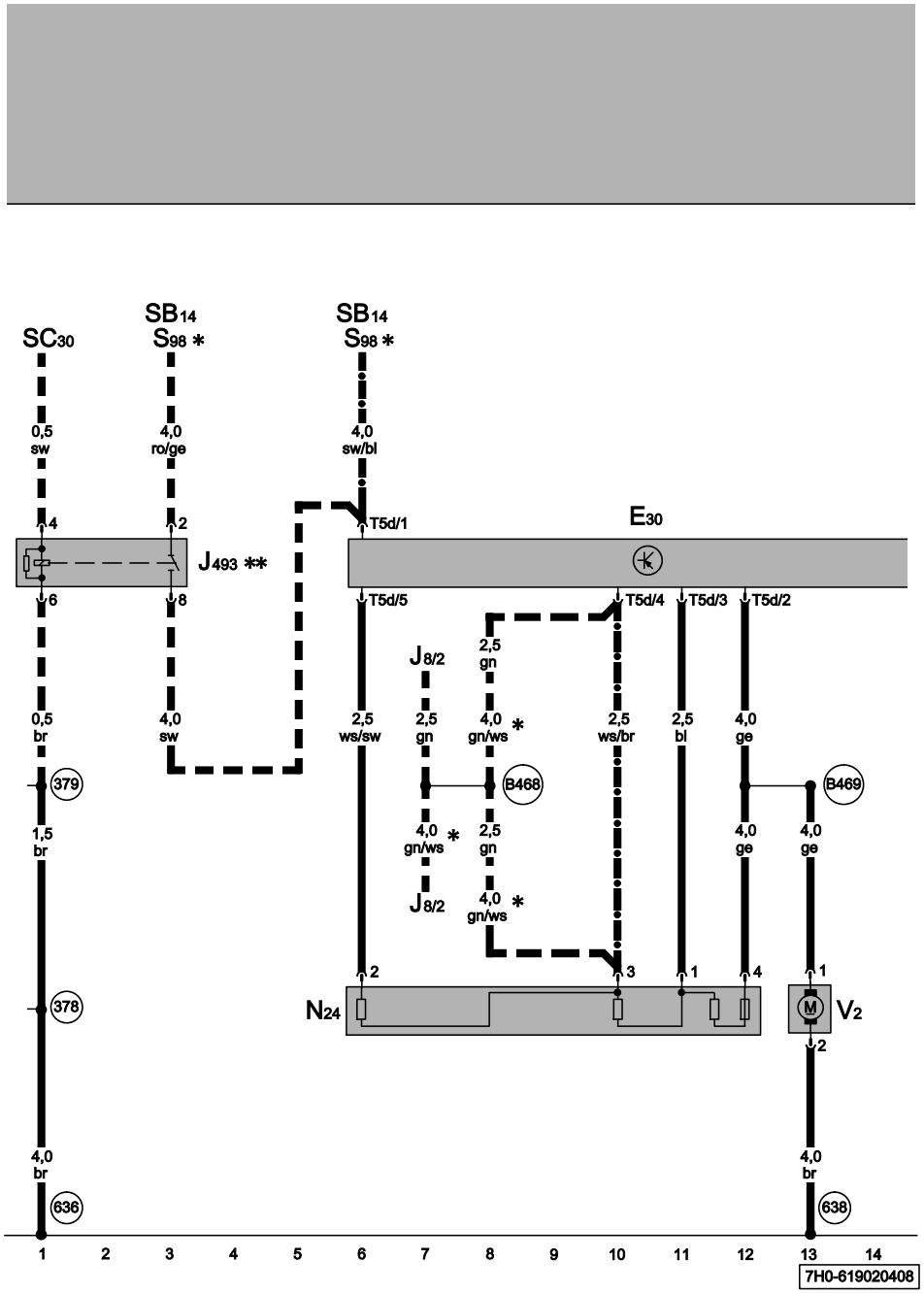
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Multivan, camper and shuttle vehicles**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



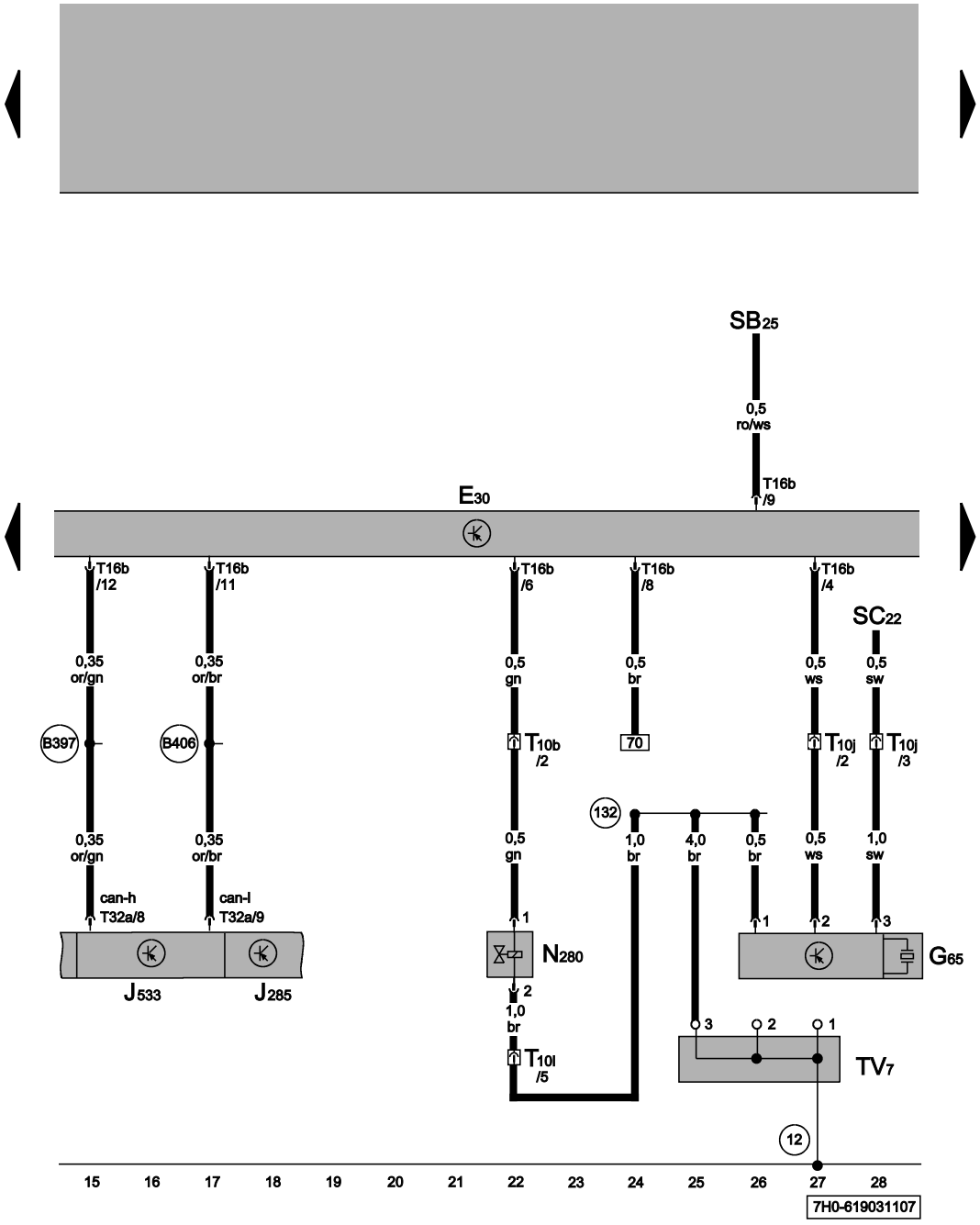
Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

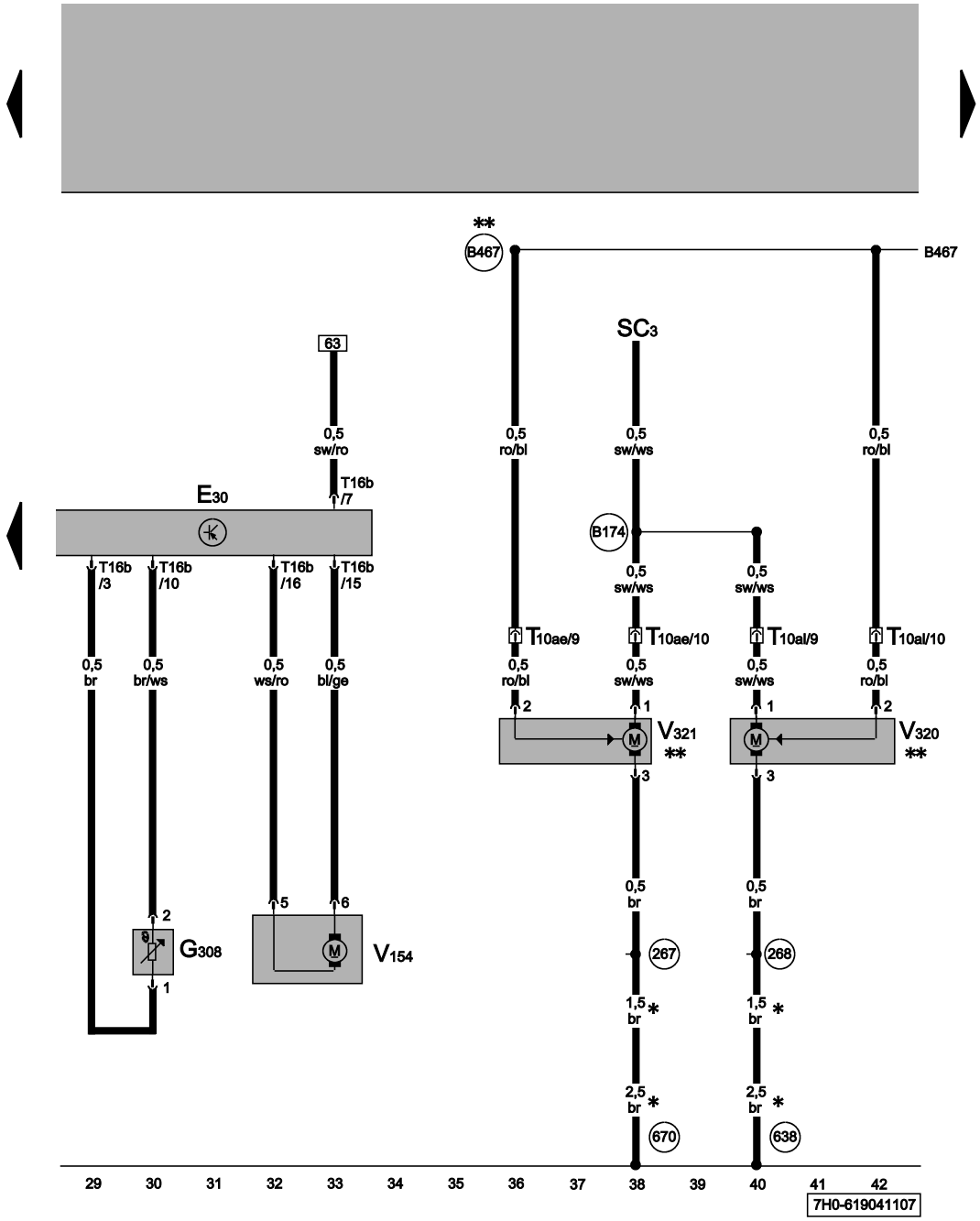
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface



E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

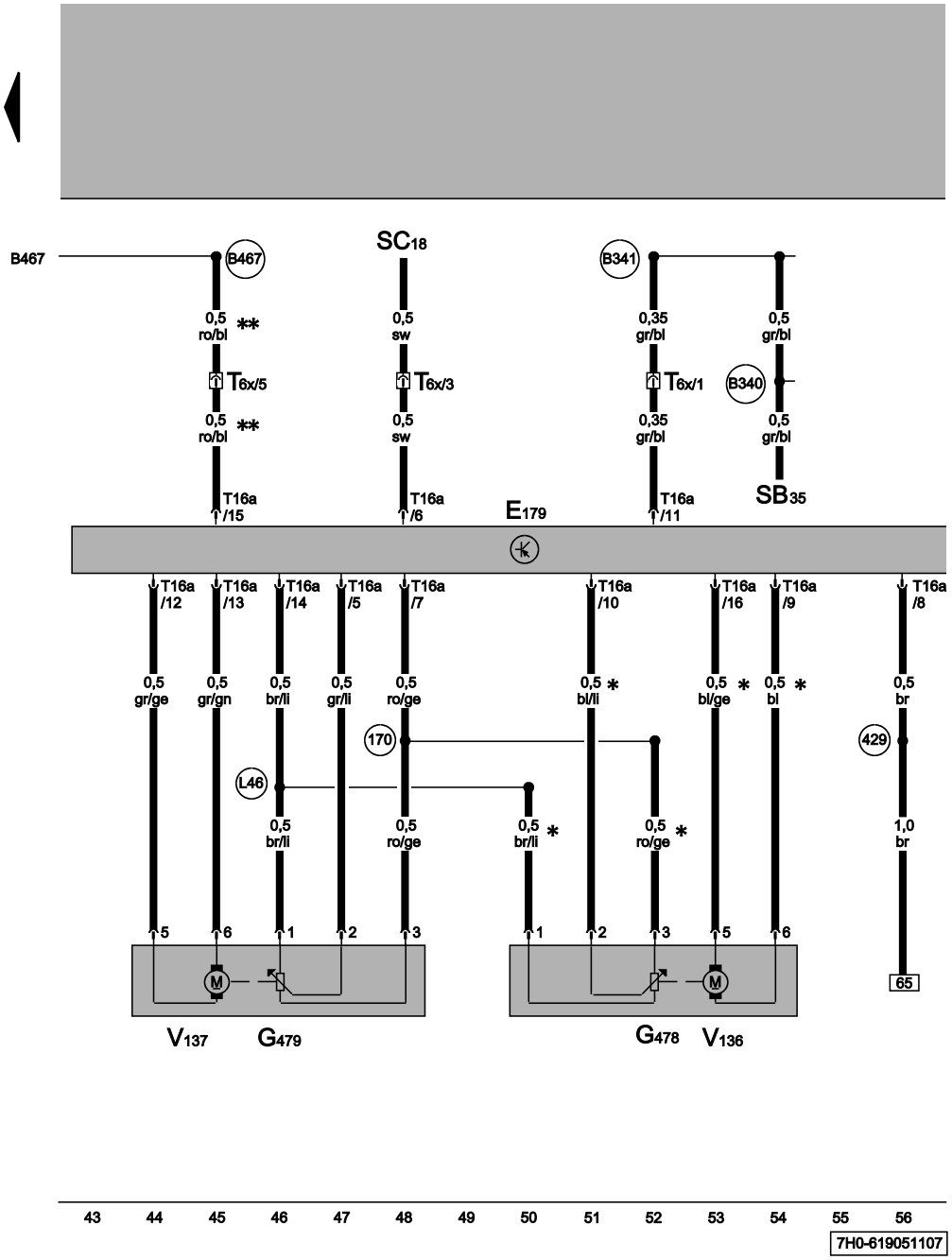
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Evaporator temperature sensor, fresh air and air recirculation flap control motor, air conditioning system switch, auxiliary blower

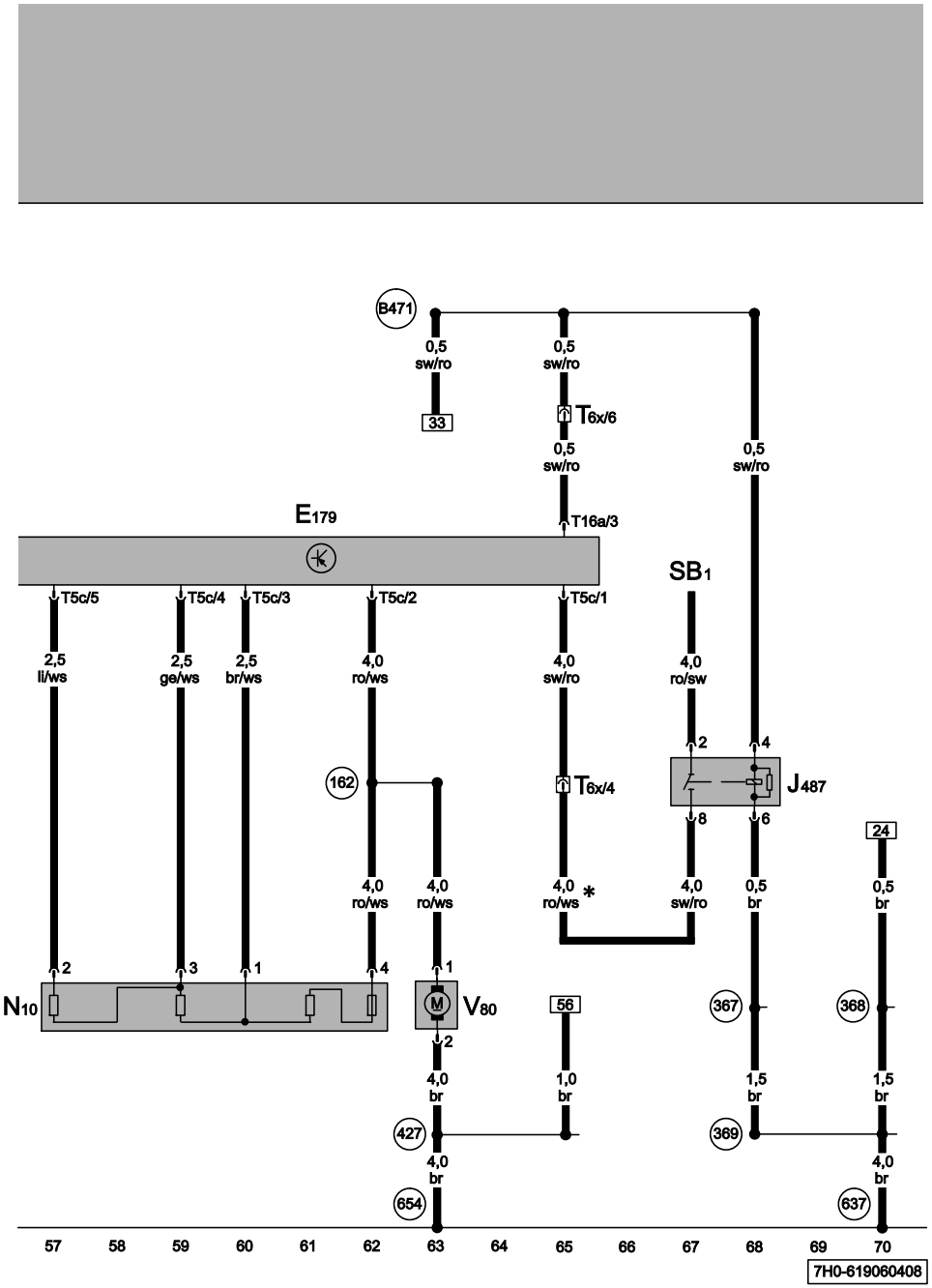
E30	Air conditioning system switch
G308	Evaporator temperature sensor
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
V320	Right auxiliary blower
V321	Left auxiliary blower
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	Depends on equipment
**	for models with auxiliary blower, in front doors



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness
*	applicable from November 2007

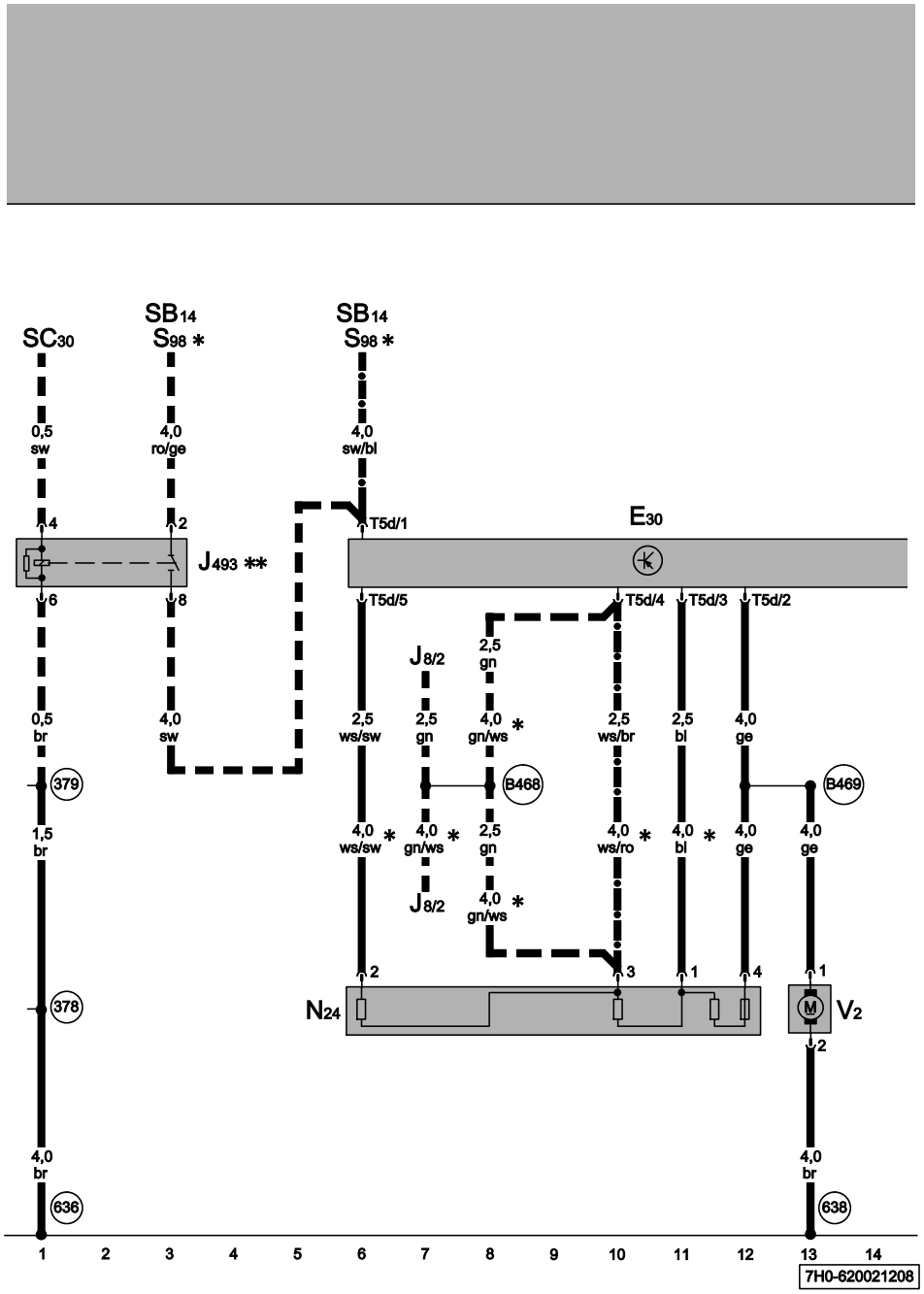
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

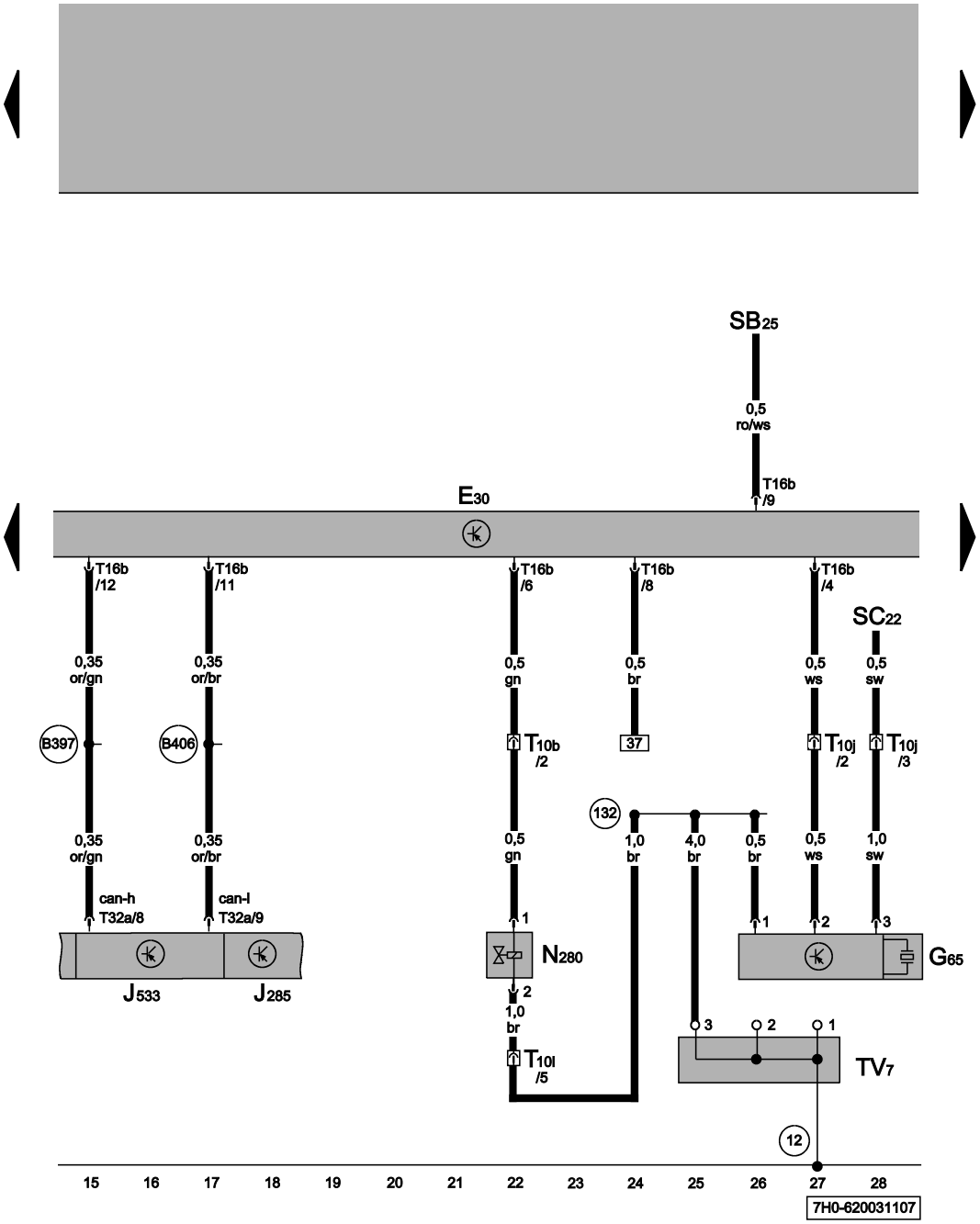


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

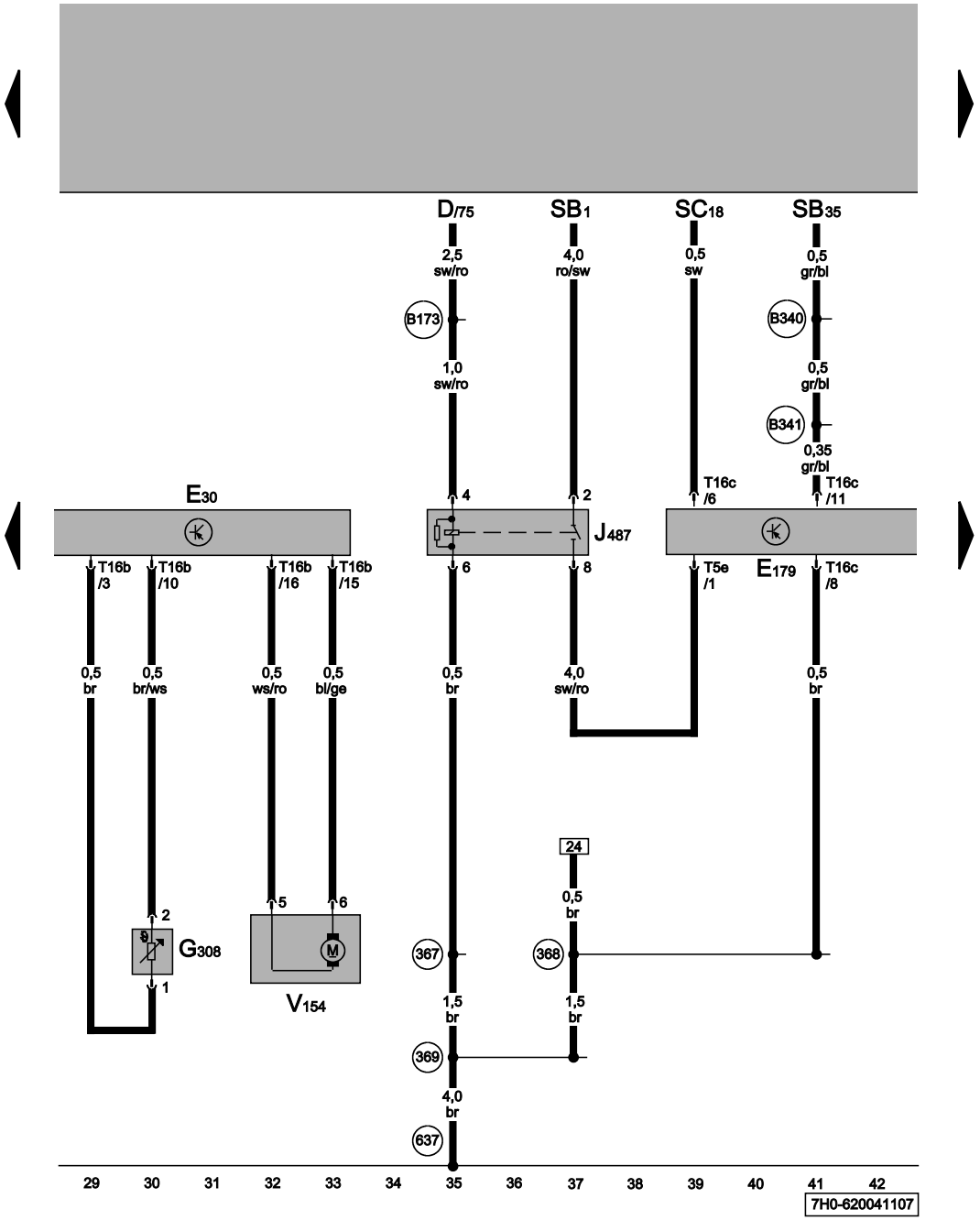
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



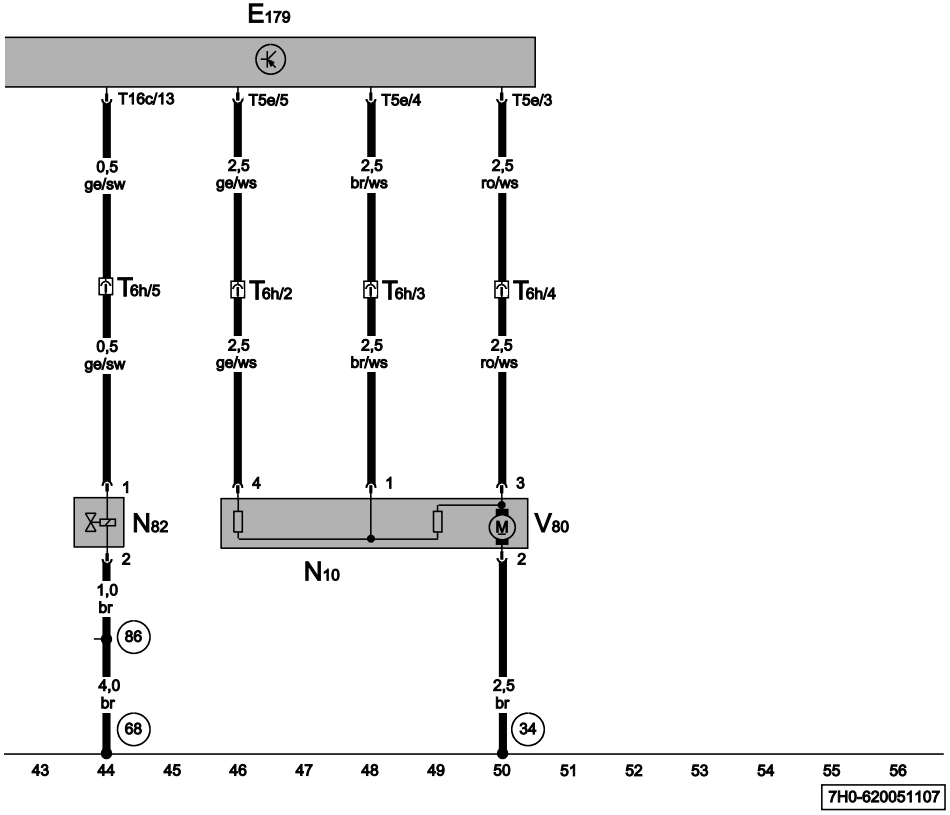
Air conditioning system switch, evaporator temperature sensor, fresh air/recirculated air flap control motor, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
J487	Fresh air blower isolation relay
SB1	Fuse 1 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T5e	5-pin connector
T16b	16-pin connector, black
T16c	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower, series resistor for rear fresh air blower, rear fresh air blower switch, coolant shut-off valve

E179	Rear fresh air blower switch
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

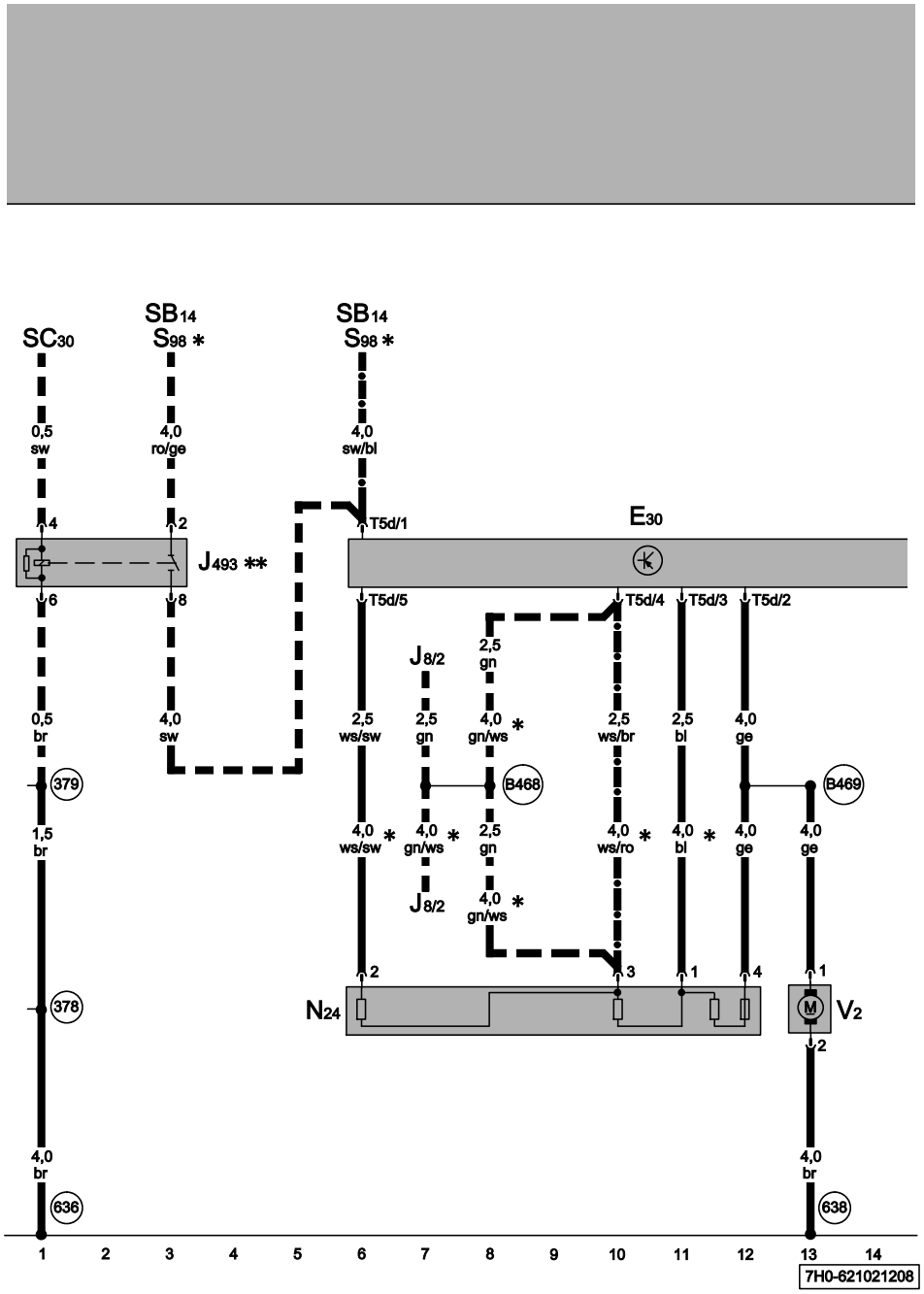
Air conditioning system - front, 2nd heat exchanger in 2nd seat row

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

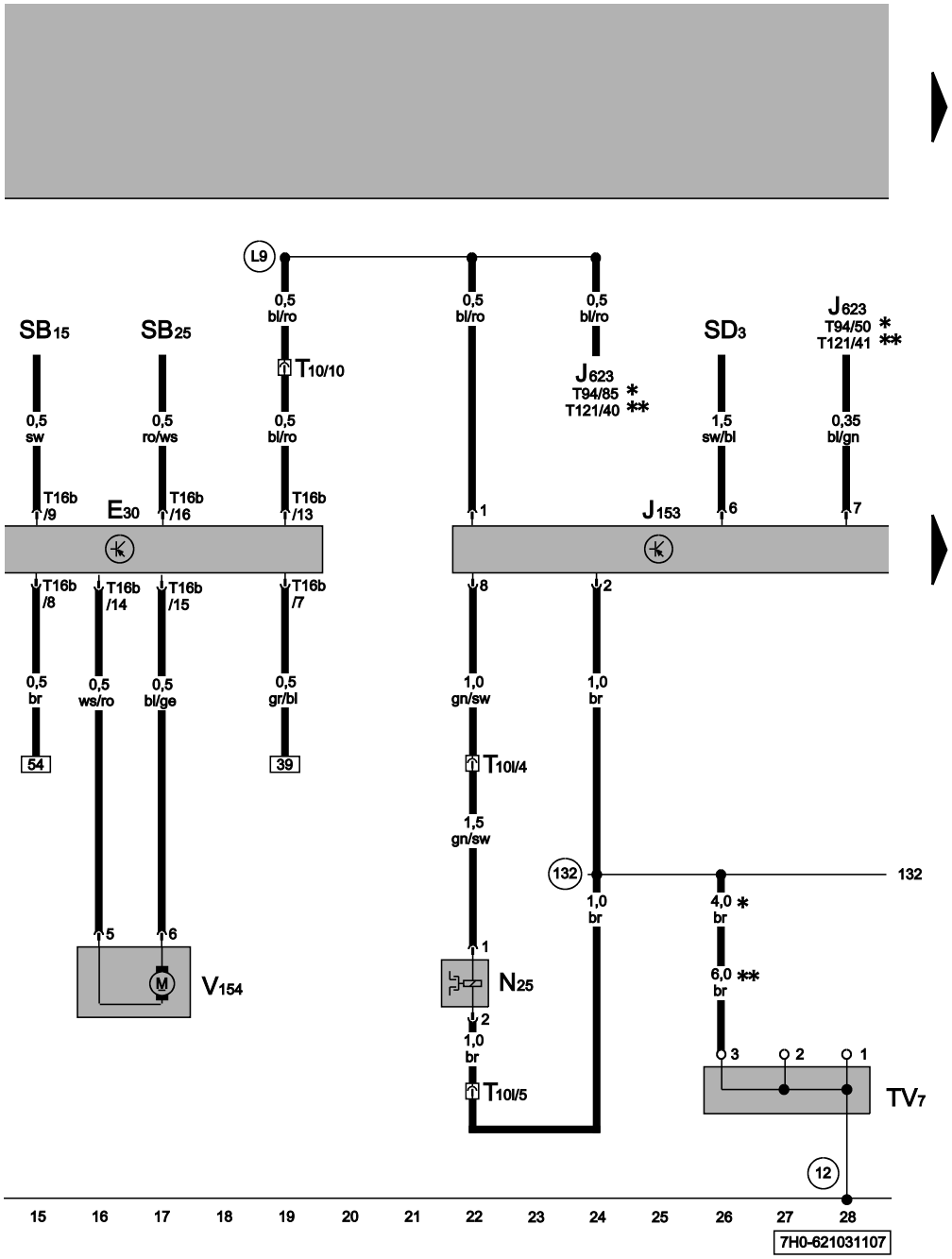


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

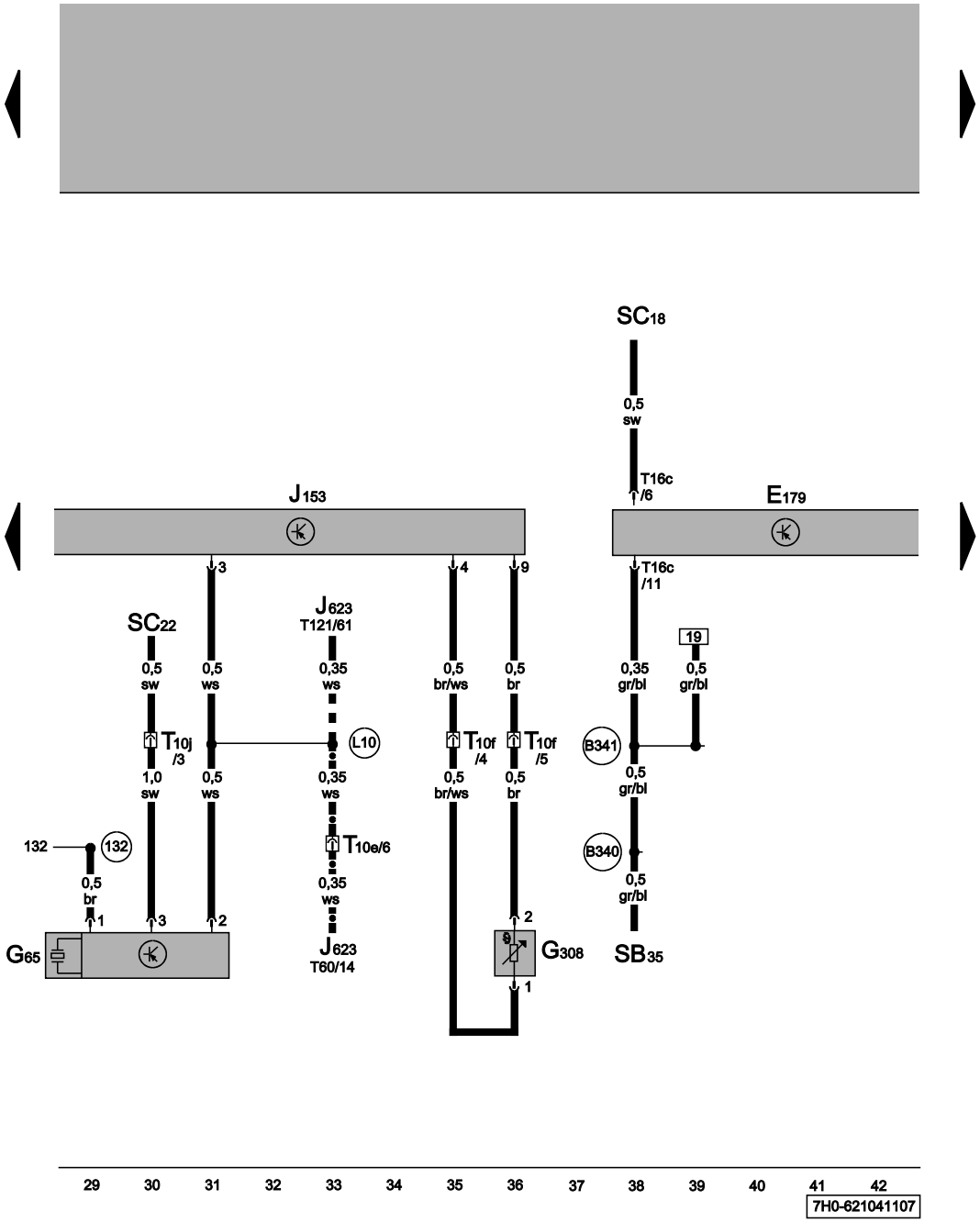
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch

E30	Air conditioning system switch
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only



Magnetic clutch control unit, high pressure sender, evaporator temperature sensor, rear fresh air blower switch

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
J623	Engine control unit
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
132	Earth connection 3, in engine compartment wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L10	Connection 2, in air conditioning system wiring harness

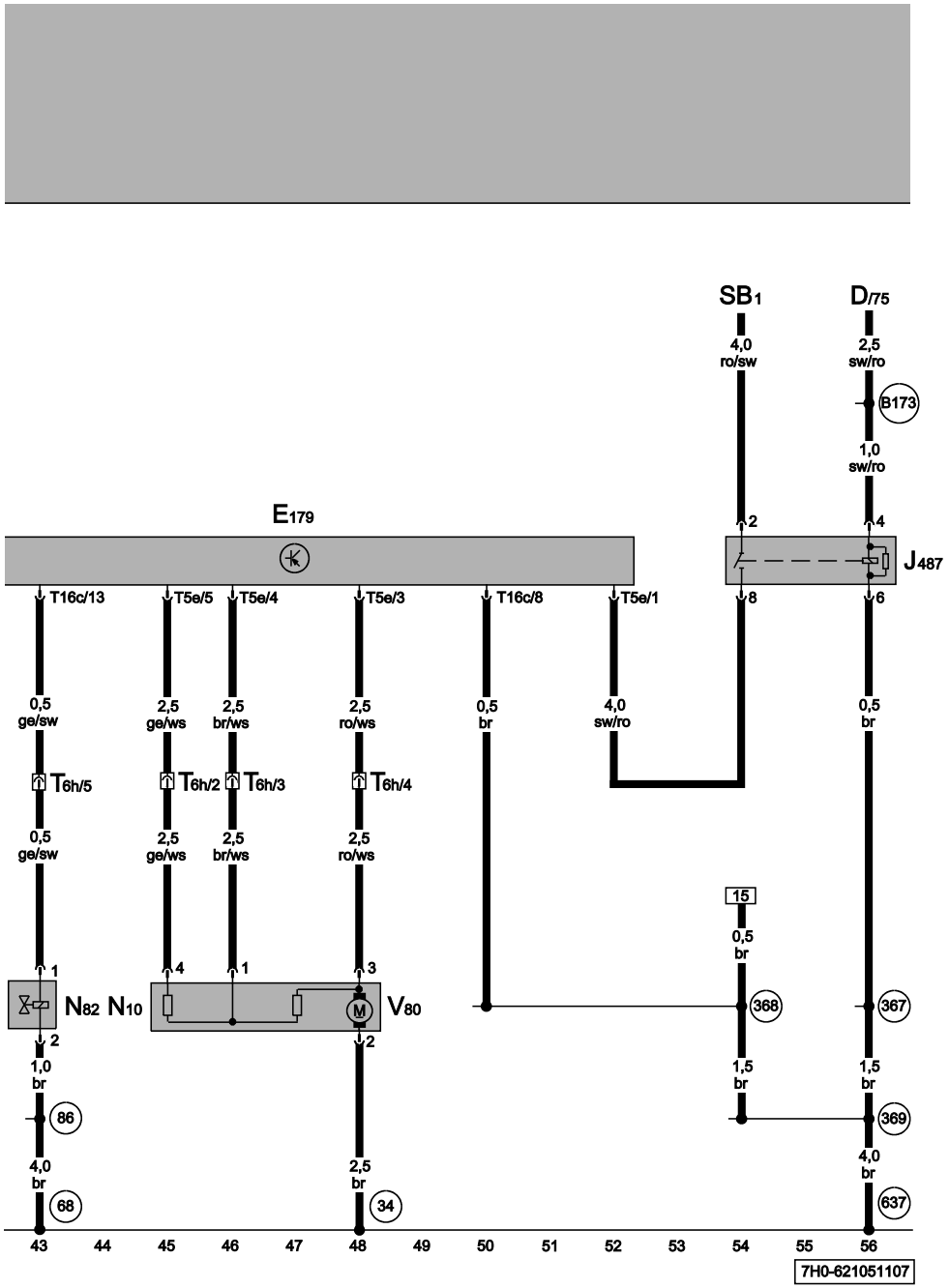
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for models with engine codes AXB, AXC, BRR and BRS only

for models with engine codes AXA, BDL, BDM and BKK only

ws = white

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch, coolant shut-off valve

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16c	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness

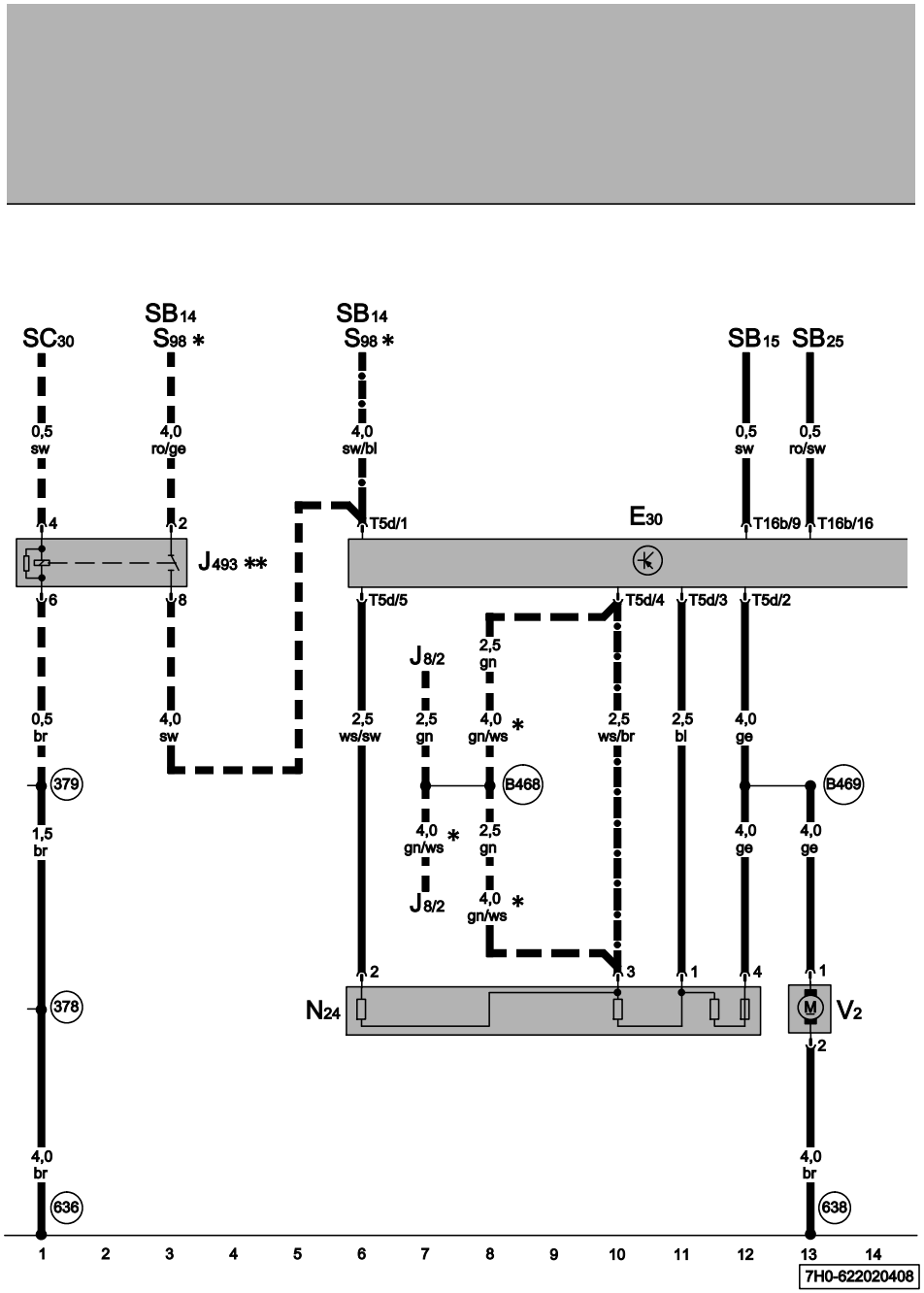
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Multivan, camper and shuttle vehicles and traveller**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

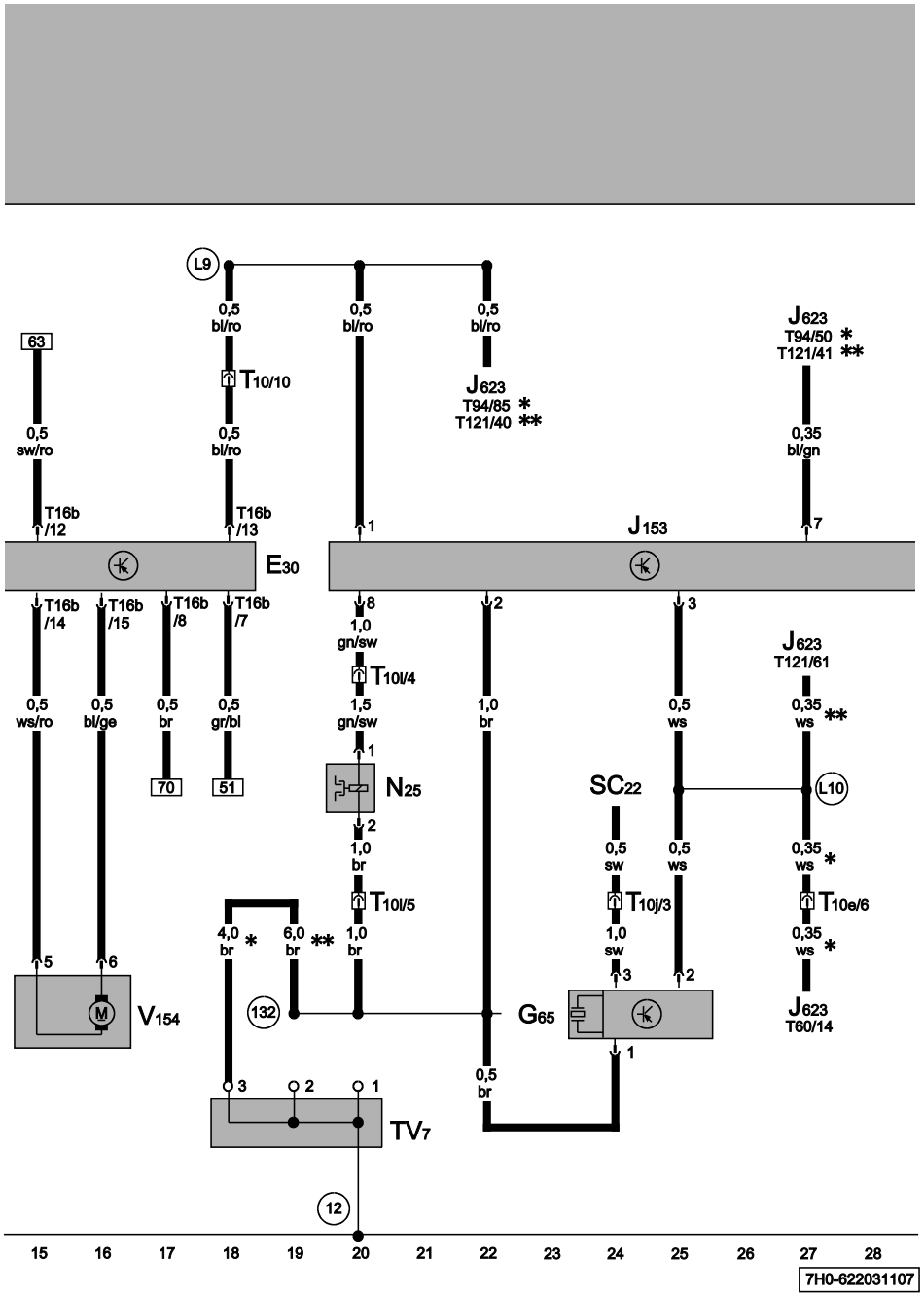
Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations
<fo:exter	for models with auxiliary coolant heater only

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uniform"/
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<fo:exter for models without auxiliary coolant heater only
nal-
graphic
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tools/
png-
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scaling="
uniform"/
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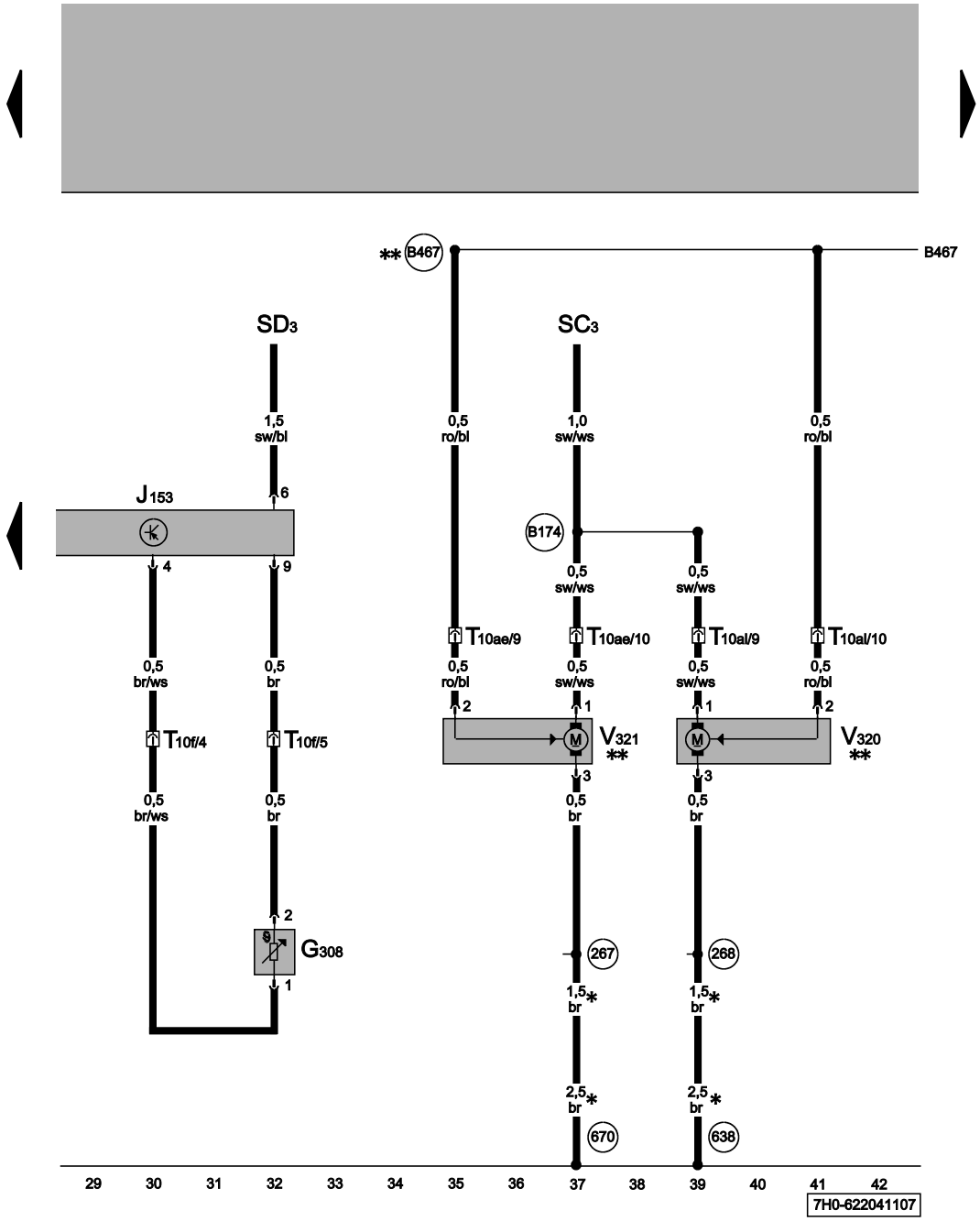
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

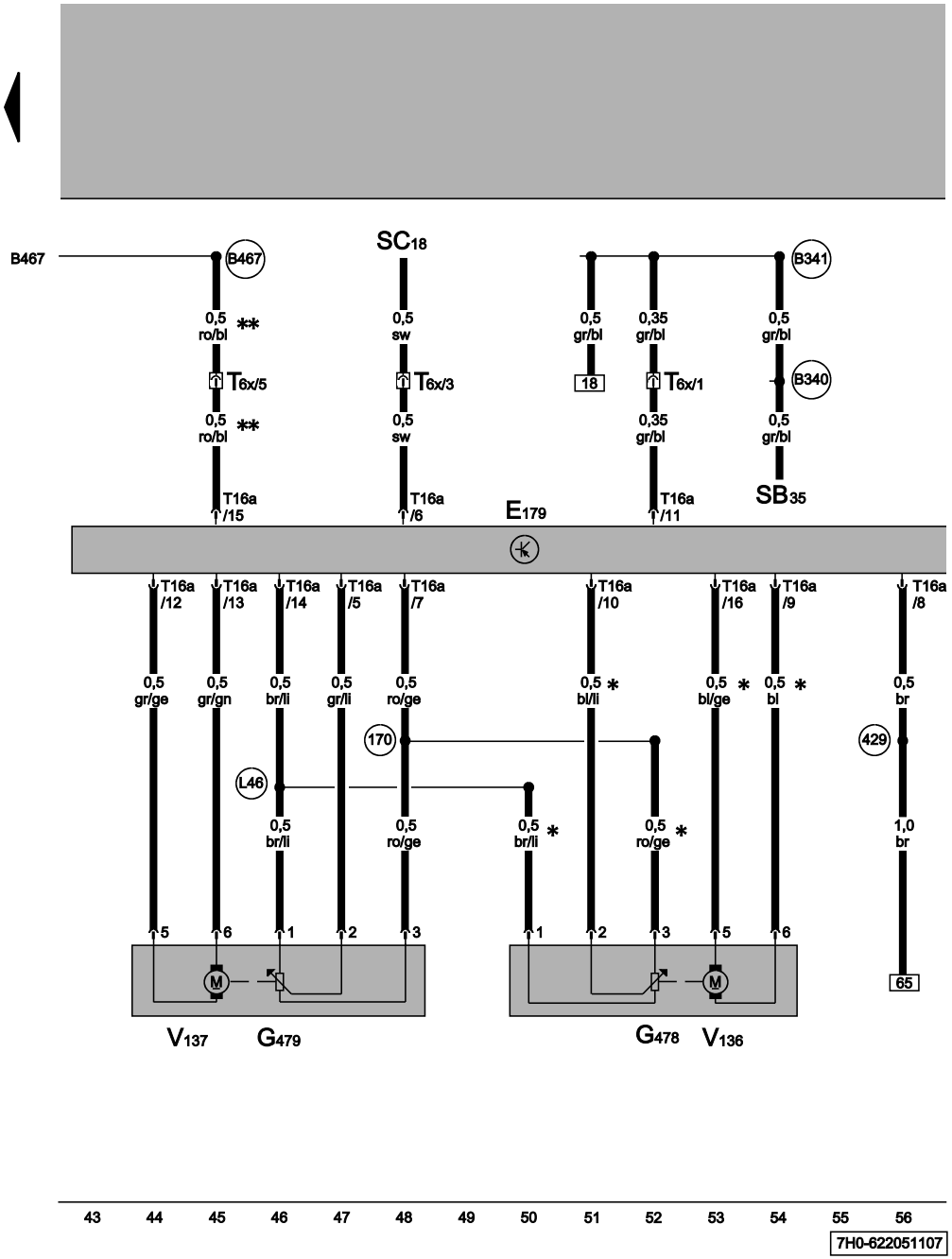
E30	Air conditioning system switch
G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Evaporator temperature sensor, magnetic clutch control unit, auxiliary blower

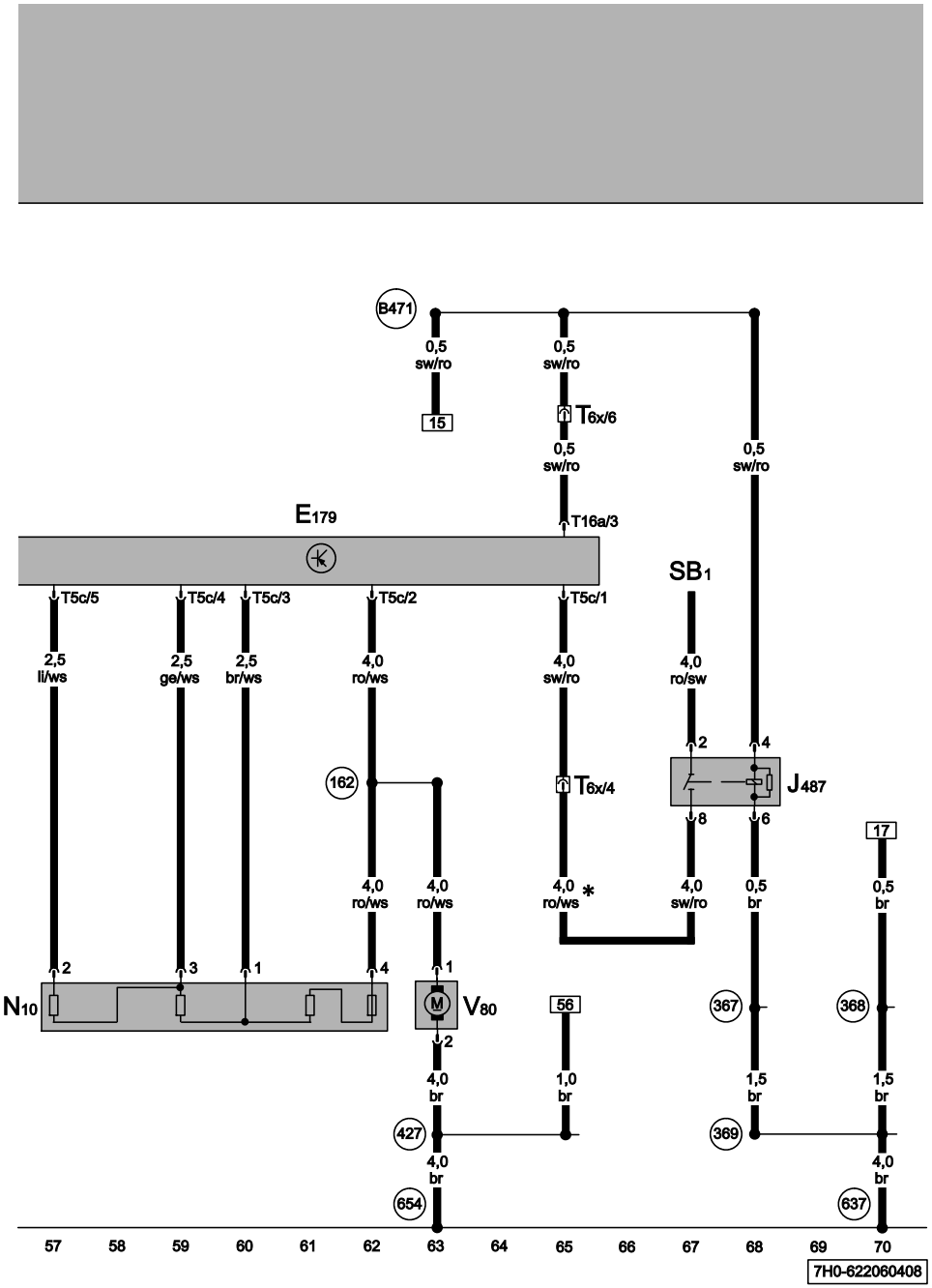
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
SC3	Fuse 3 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
B467	Connection 3 in main wiring harness
*	Depends on equipment
**	for models with auxiliary blower, in front doors



Potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B467	Connection 3 in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with rear air distribution control motor only
**	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness
*	applicable from November 2007

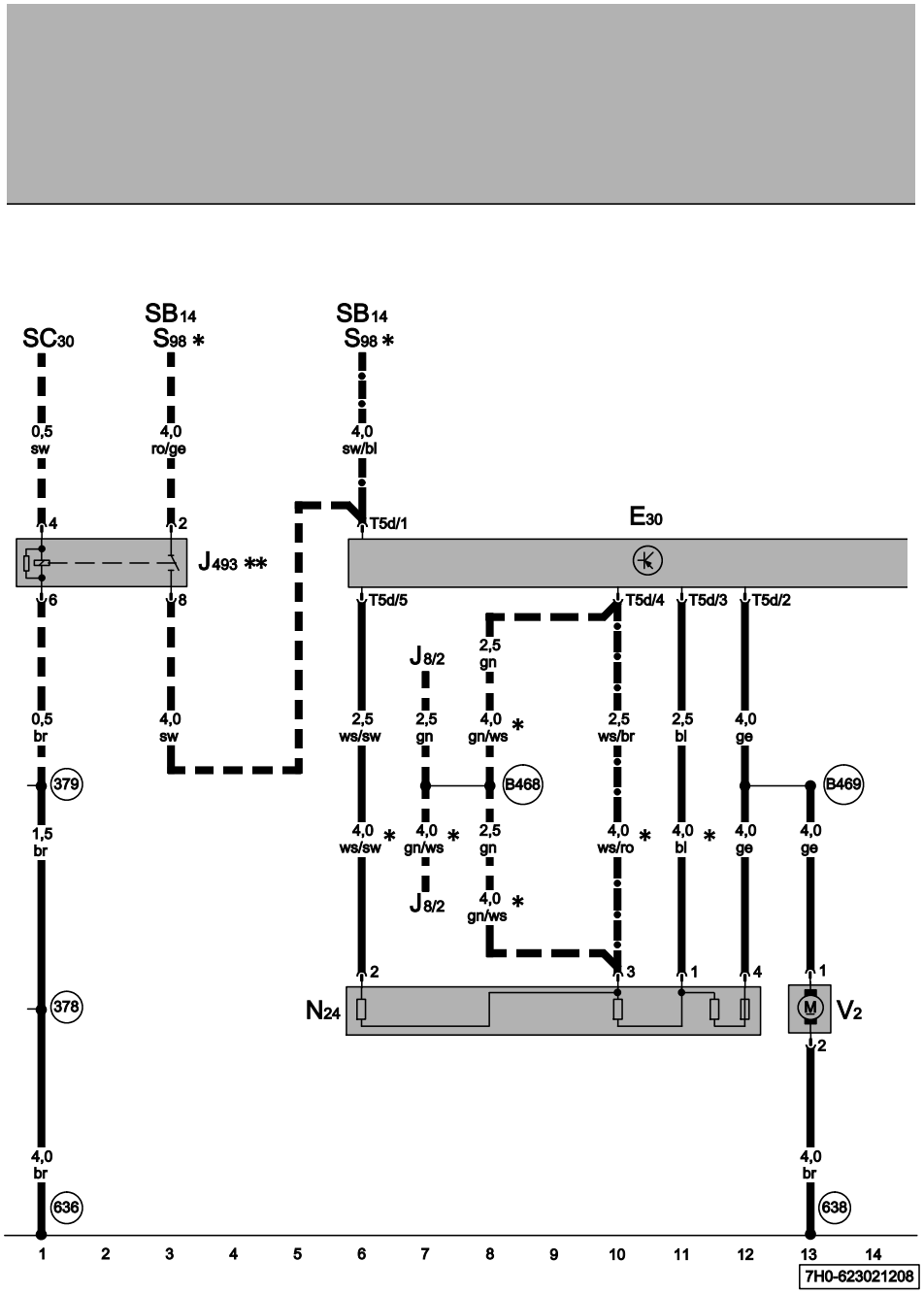
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **hybrid vehicle**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

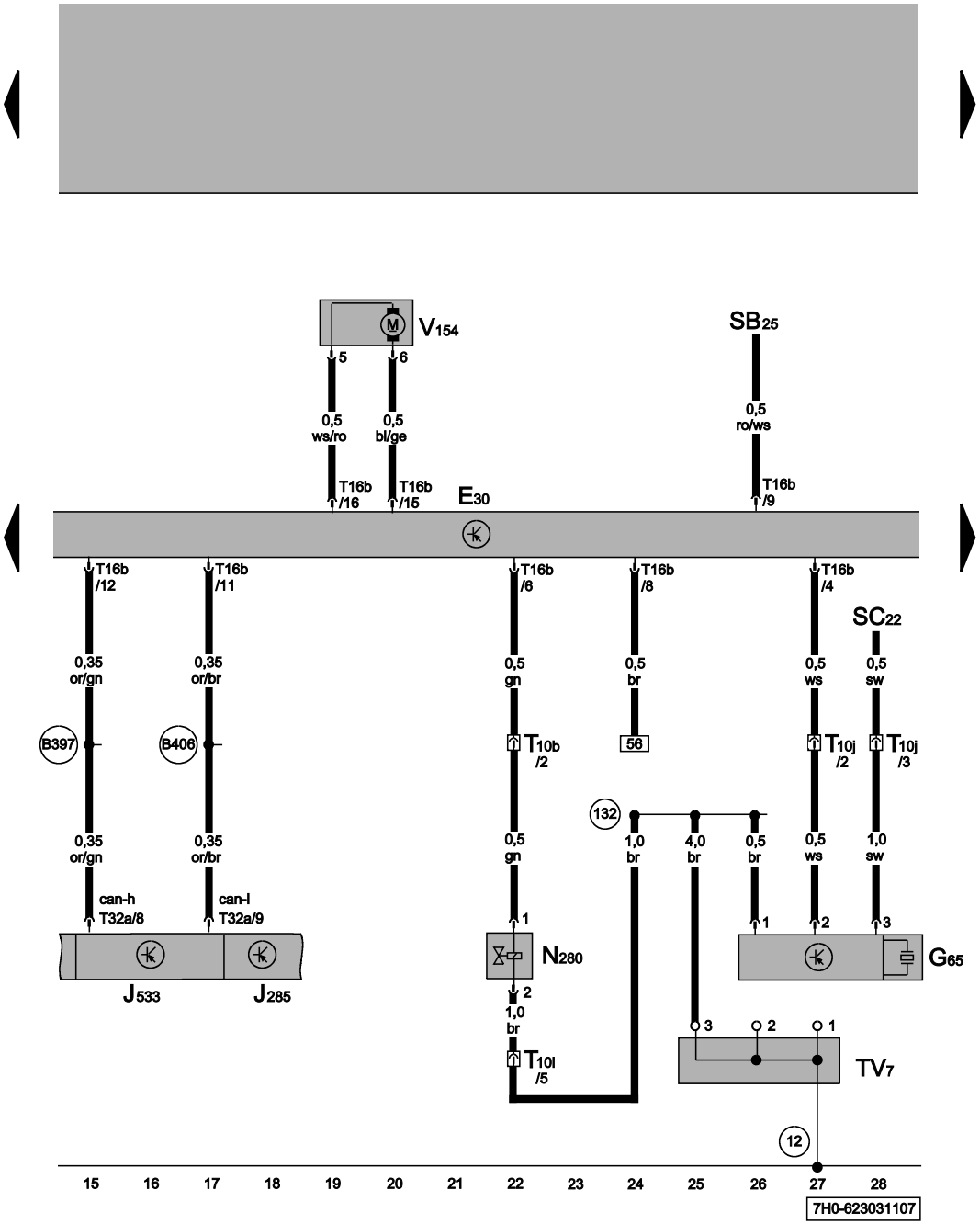


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

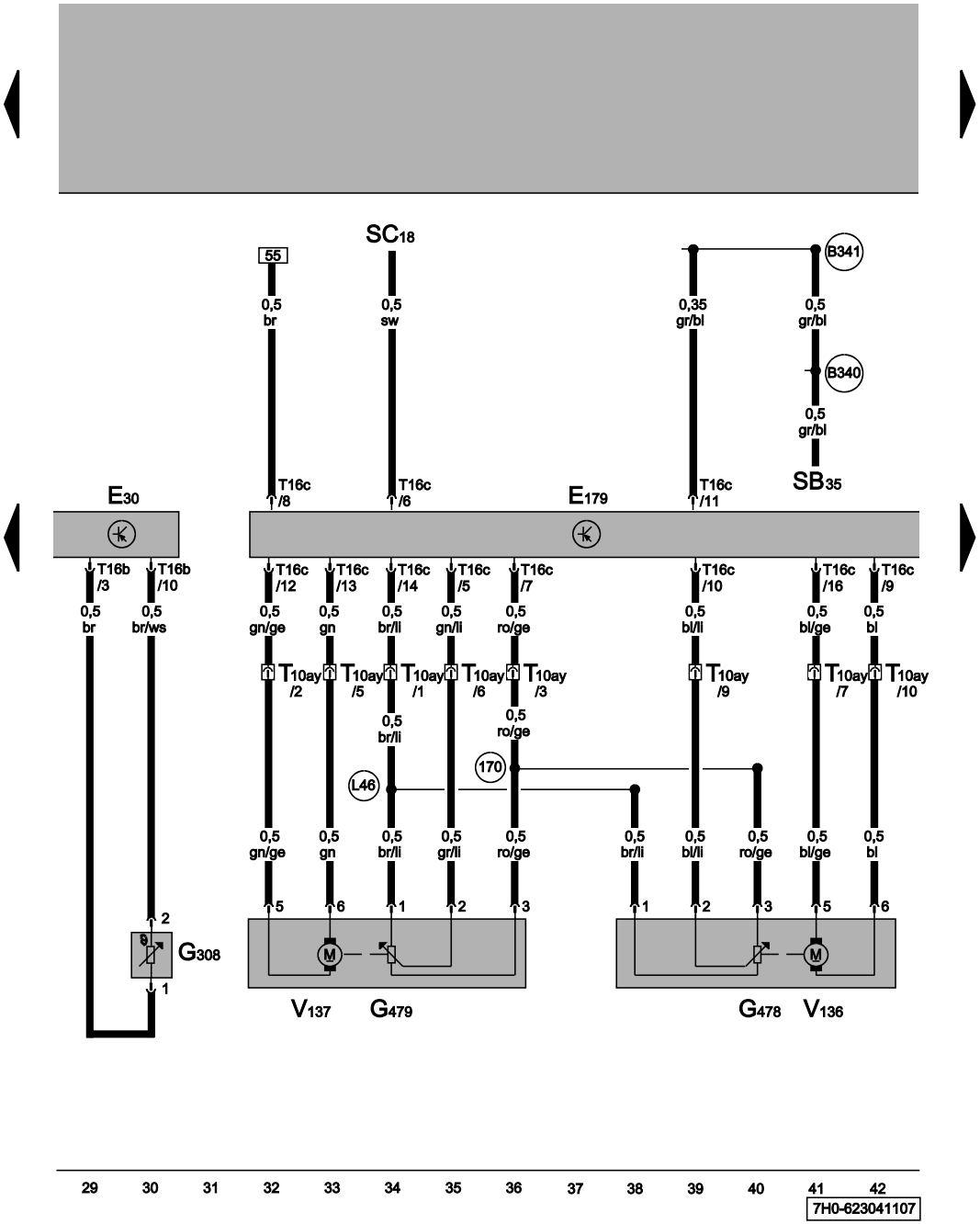
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface, fresh air and air recirculation flap control motor

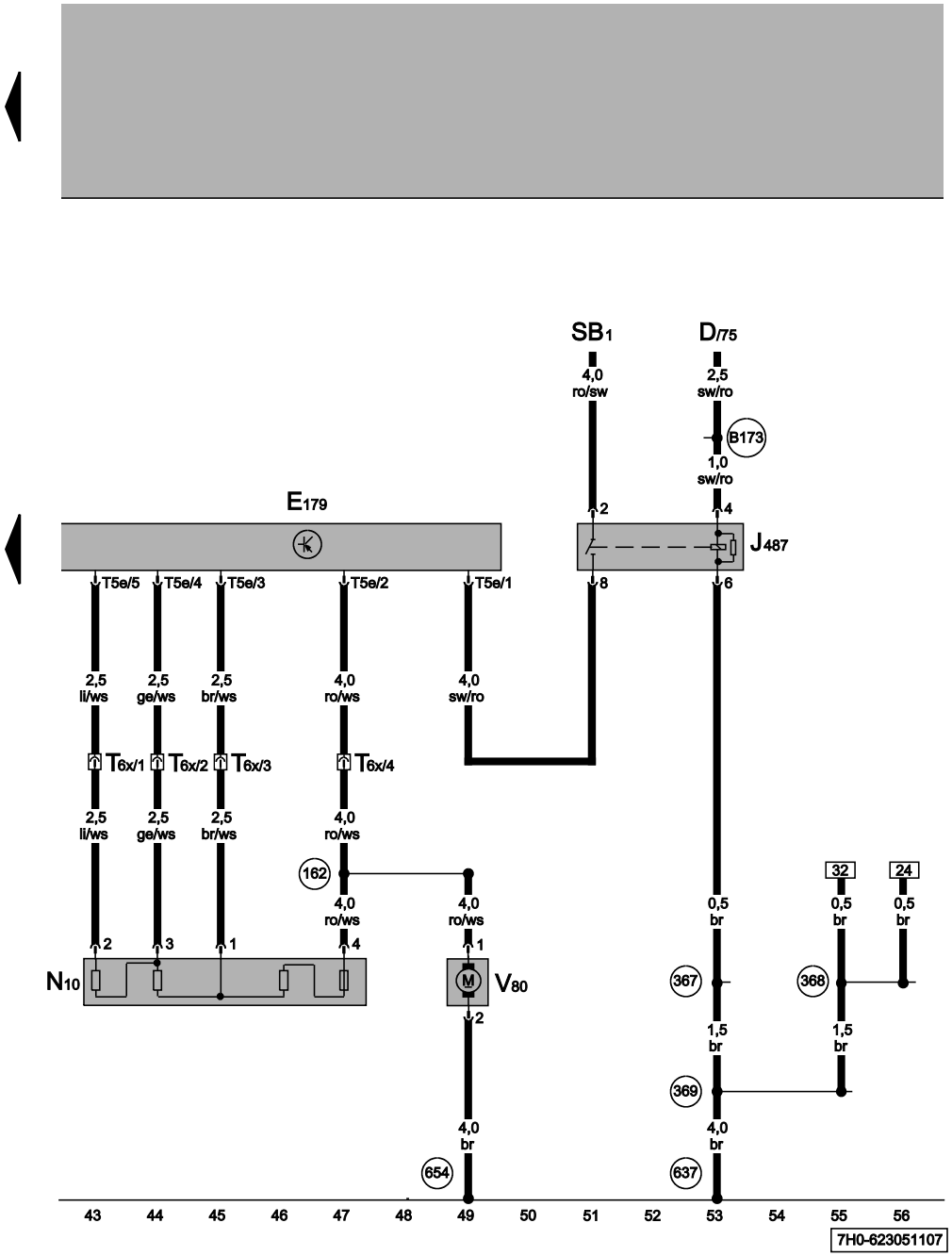
E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



Rear fresh air blower switch, evaporator temperature sensor, rear air distribution control motor, potentiometer for rear temperature flap motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

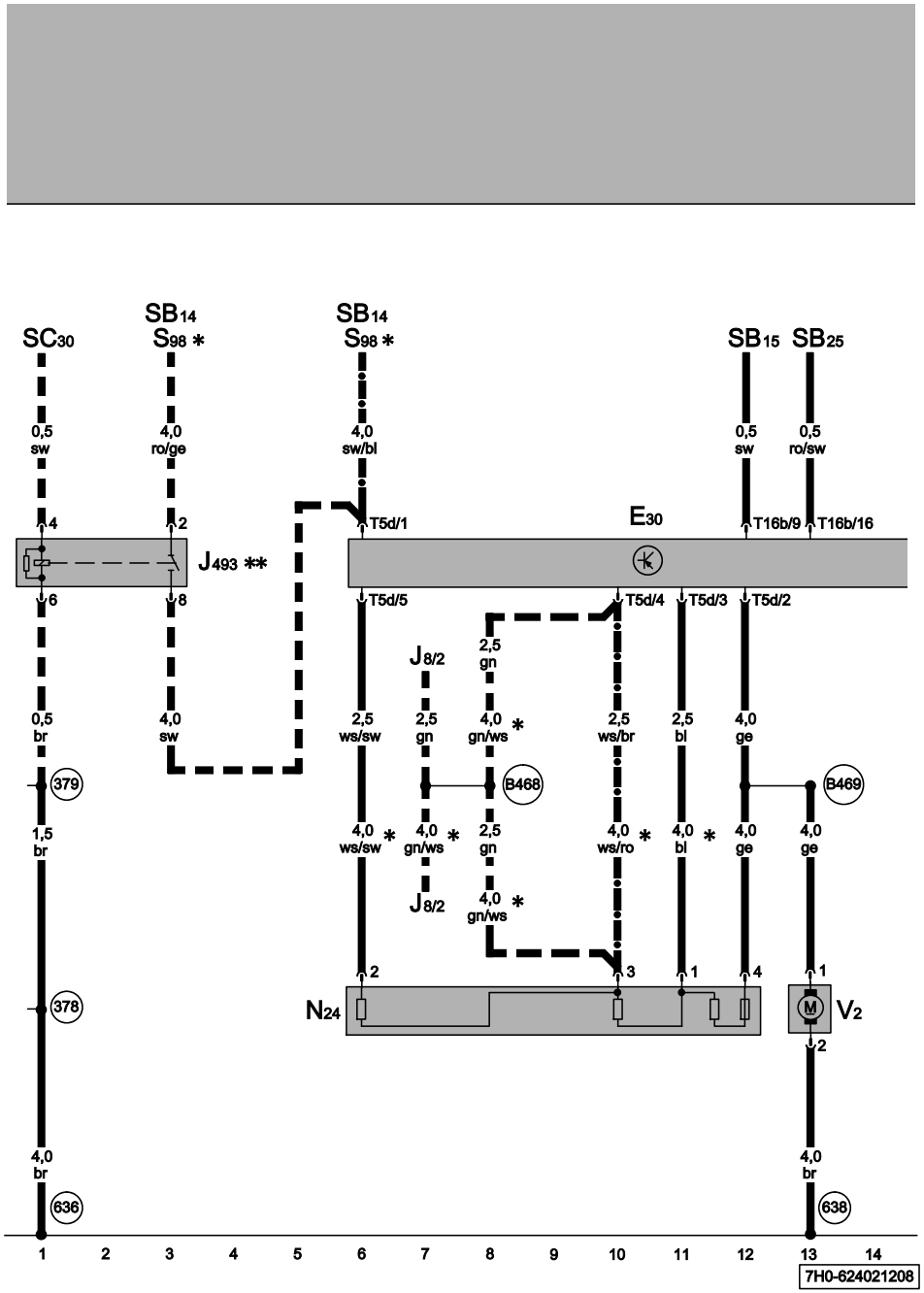
Air conditioning system - front and rear, 2nd operating unit in dash panel

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **hybrid vehicle**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

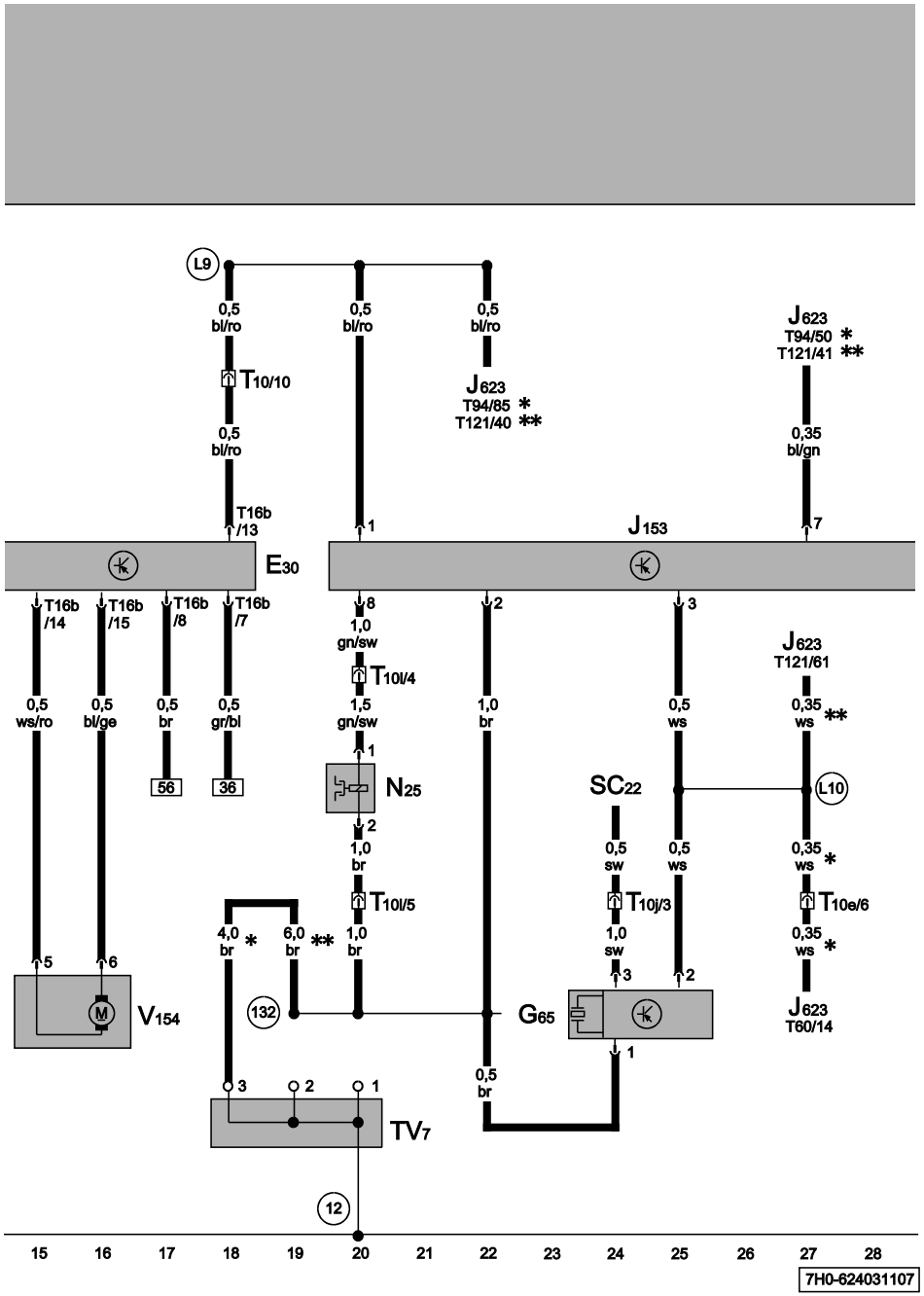


ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations
<fo:exter	for models with auxiliary coolant heater only
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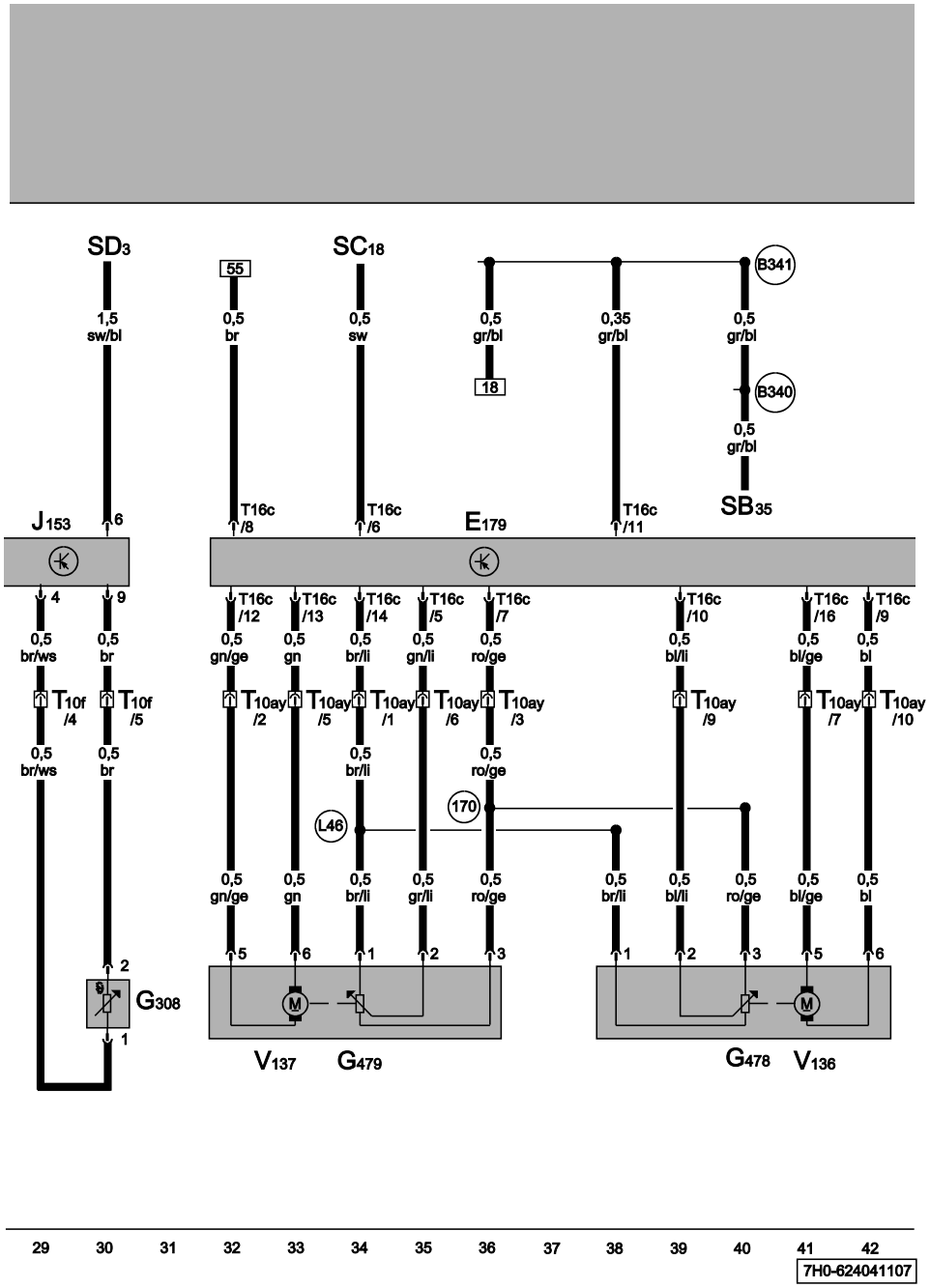
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<fo:exter for models without auxiliary coolant heater only
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graphic
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samba/
tools/
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ro = red ft_icons/
br = brown m_k_m.p
gn = green ng"
bl = blue content-
gr = grey width="2
li = purple 0pt"
ge = yellow scaling="
or = orange uniform"/
rs = pink >



ws = white
sw = black
ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

E30	Air conditioning system switch
G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only

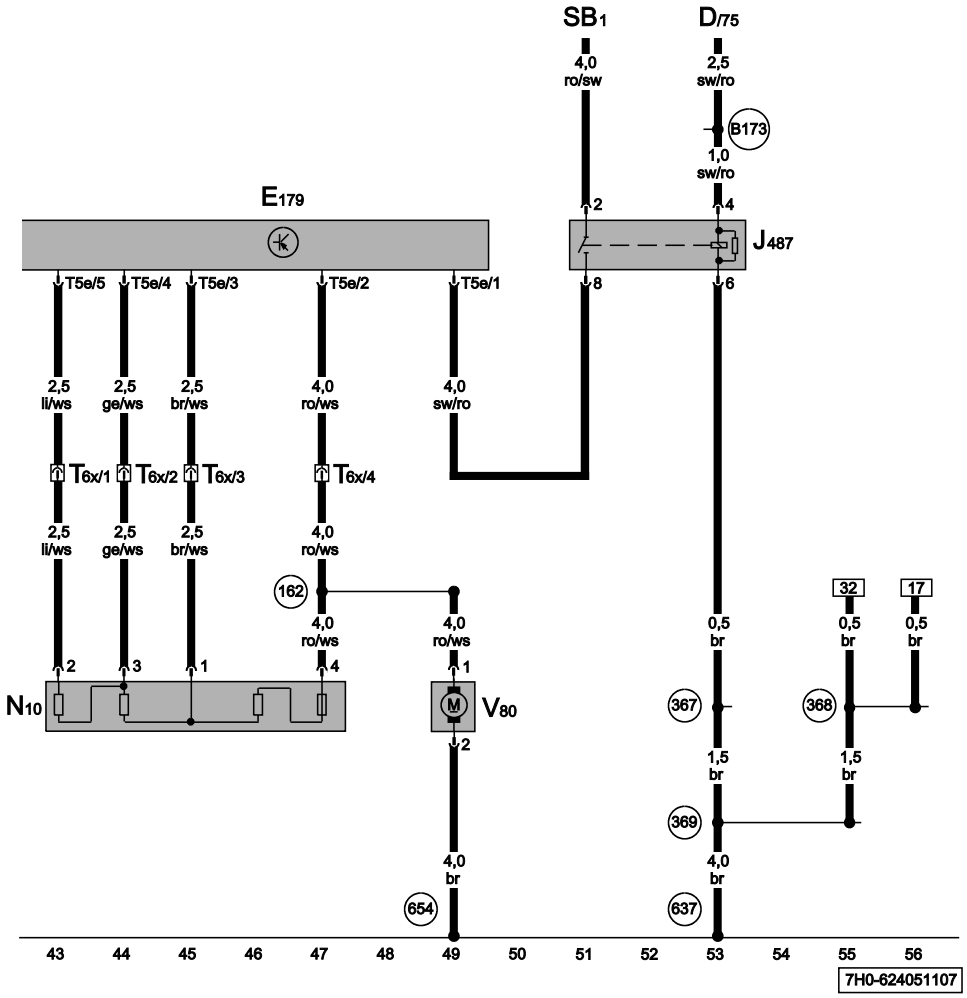


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, evaporator temperature sensor, rear fresh air blower switch, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

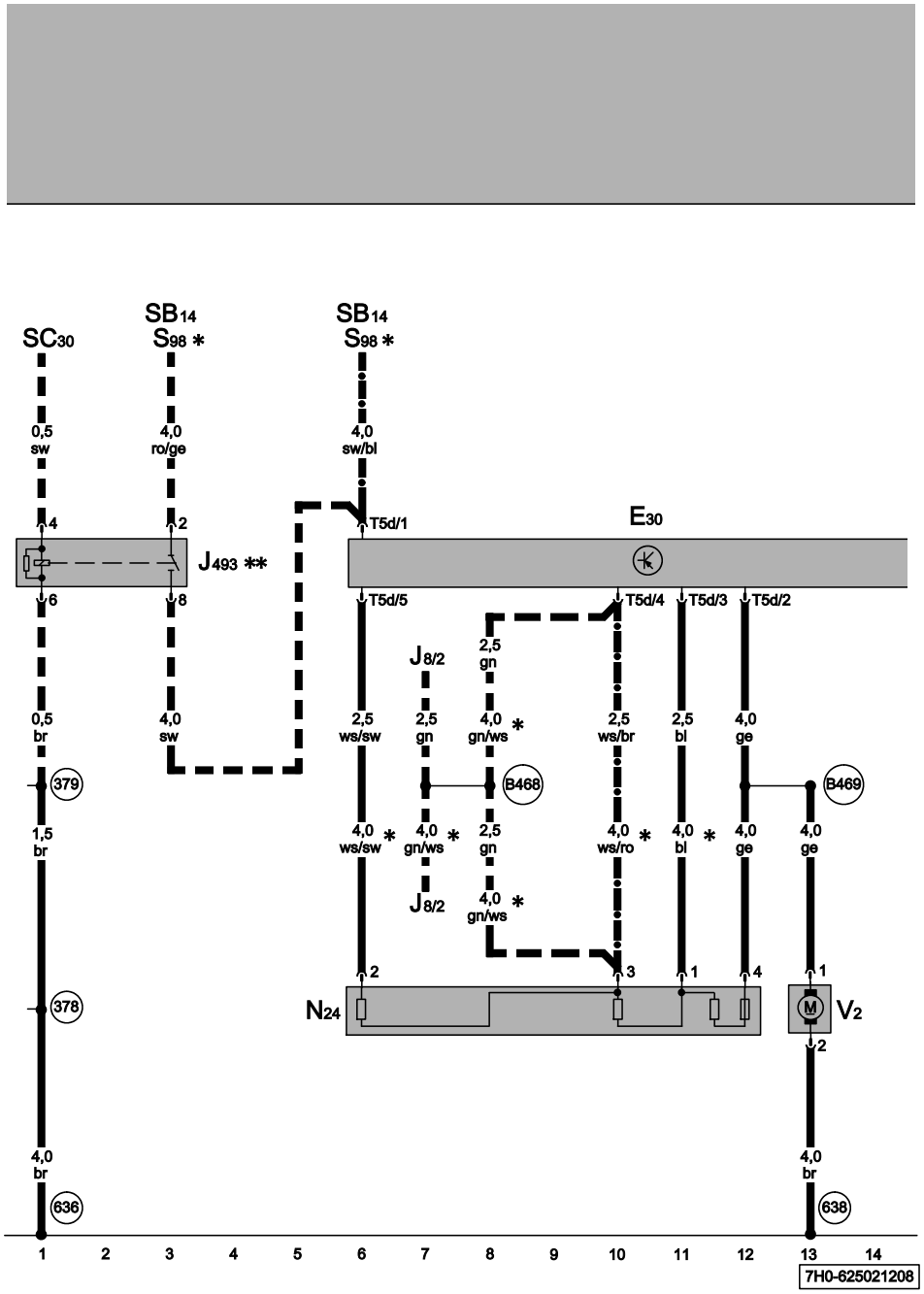
Air conditioning system - front, without 2nd heat exchanger

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

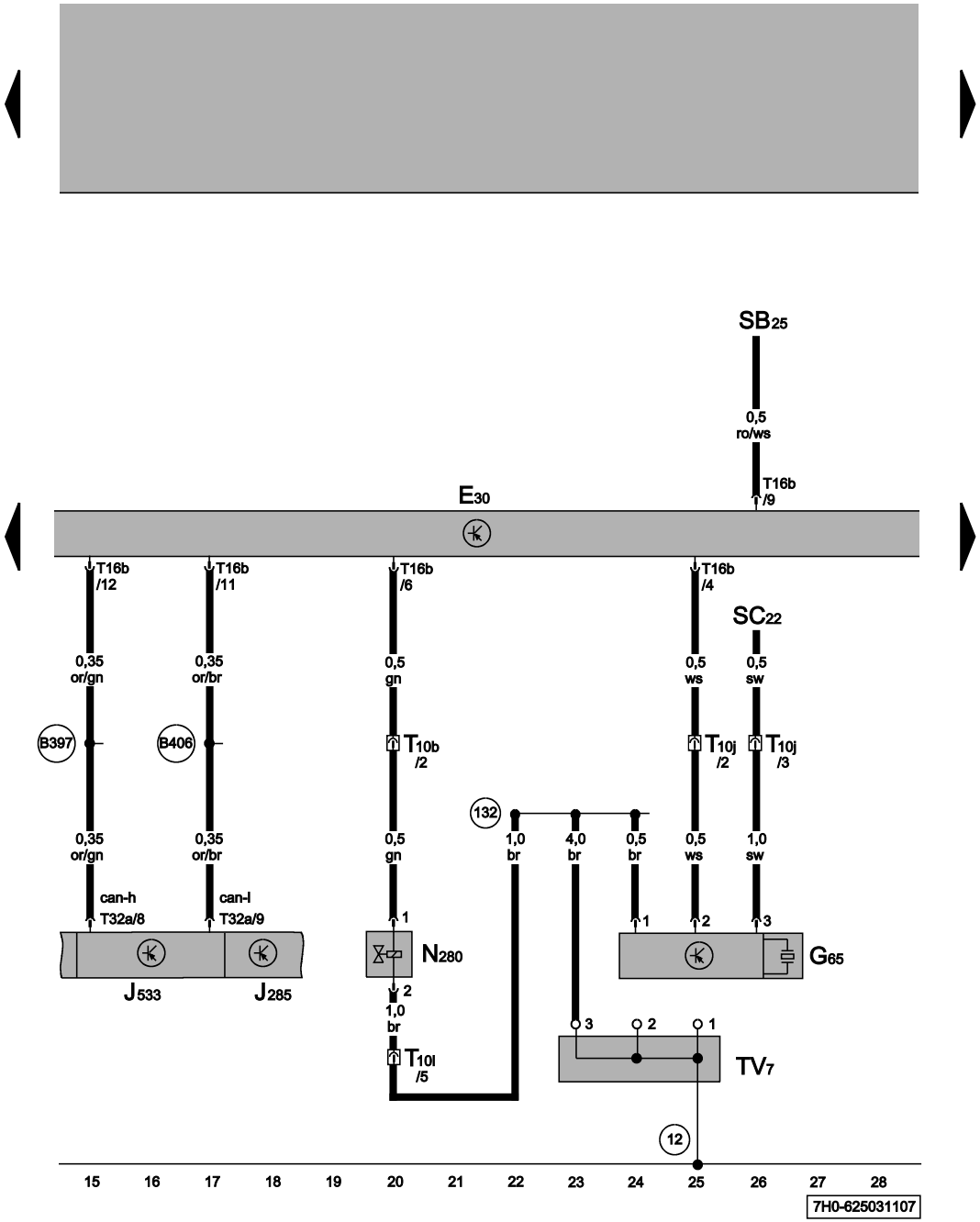


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

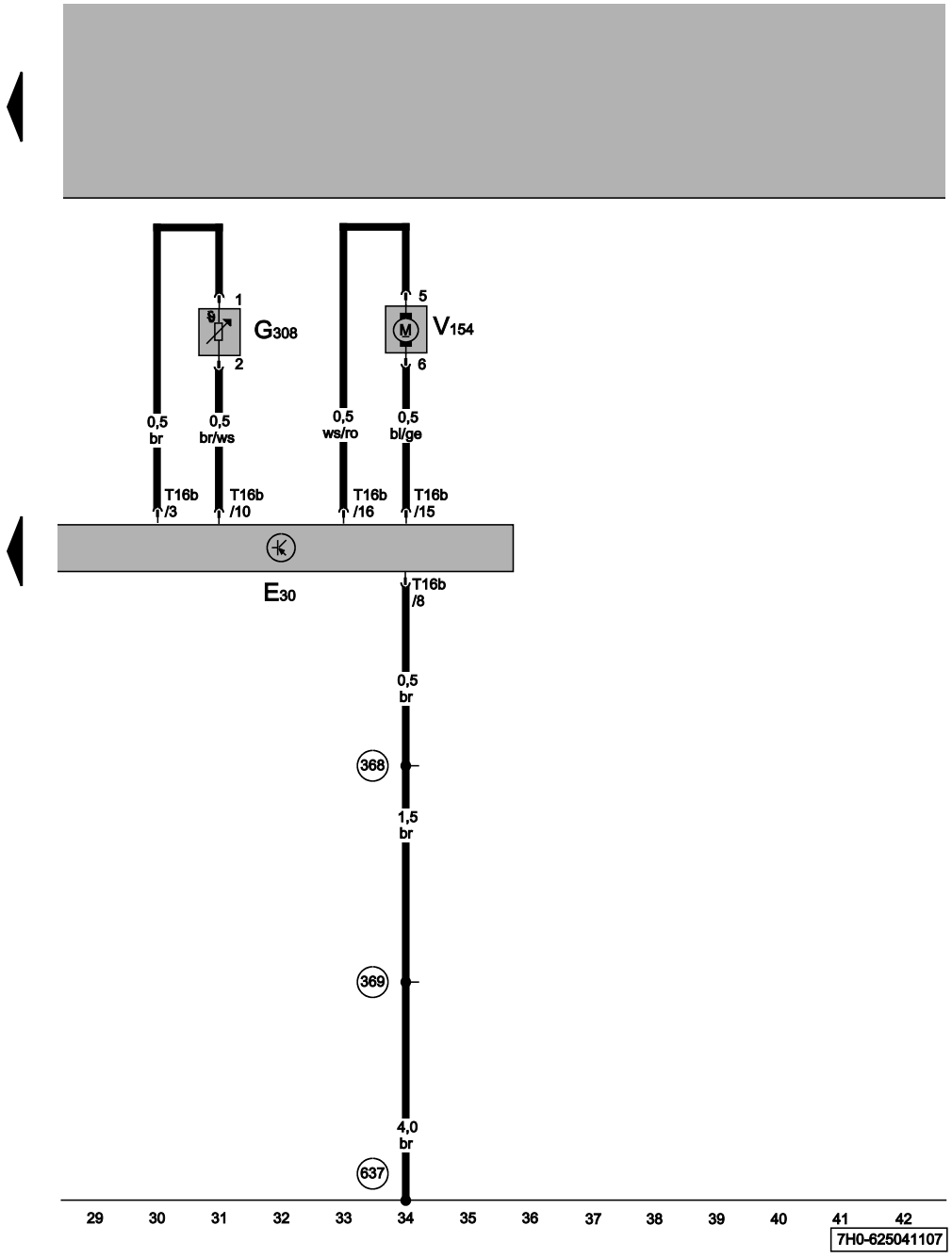
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



Air conditioning system switch, evaporator temperature sensor, fresh air and air recirculated air flap control motor

E30	Air conditioning system switch
G308	Evaporator temperature sensor
T16b	16-pin connector, black
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

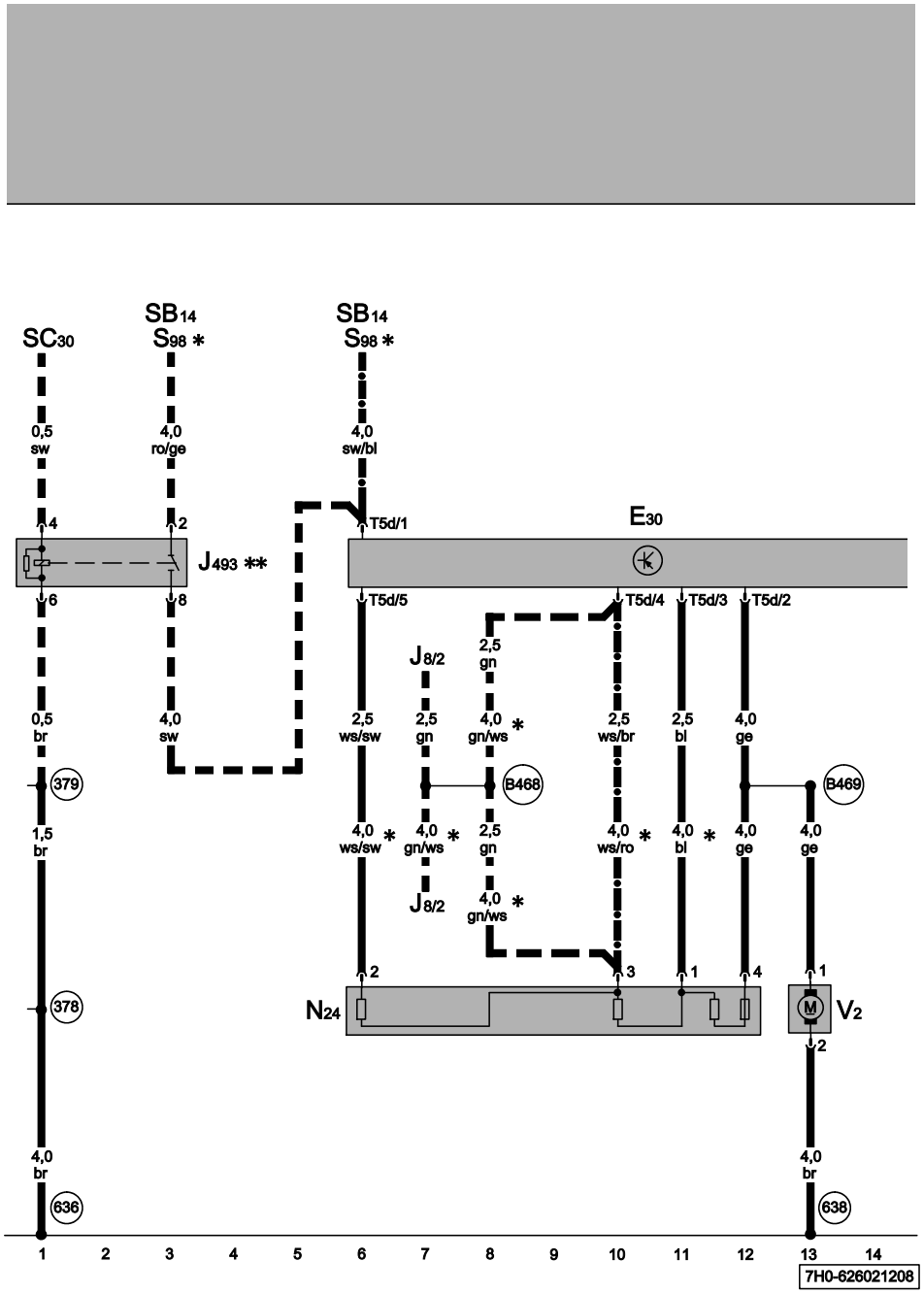
Air conditioning system - front, without 2nd heat exchanger

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Panel van, Kombi-, double cab and plank bed vehicles**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



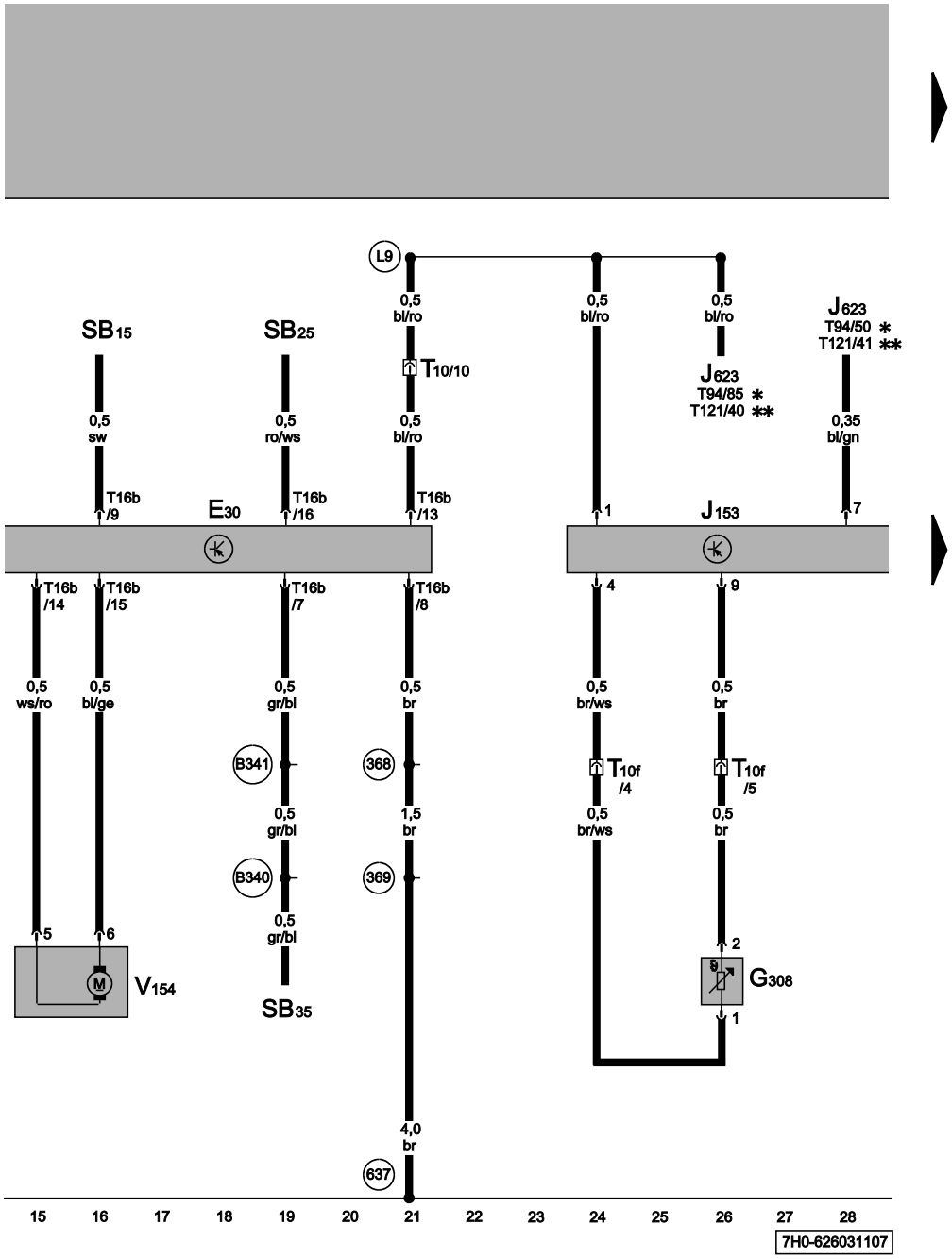
Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>
for models with auxiliary coolant heater only

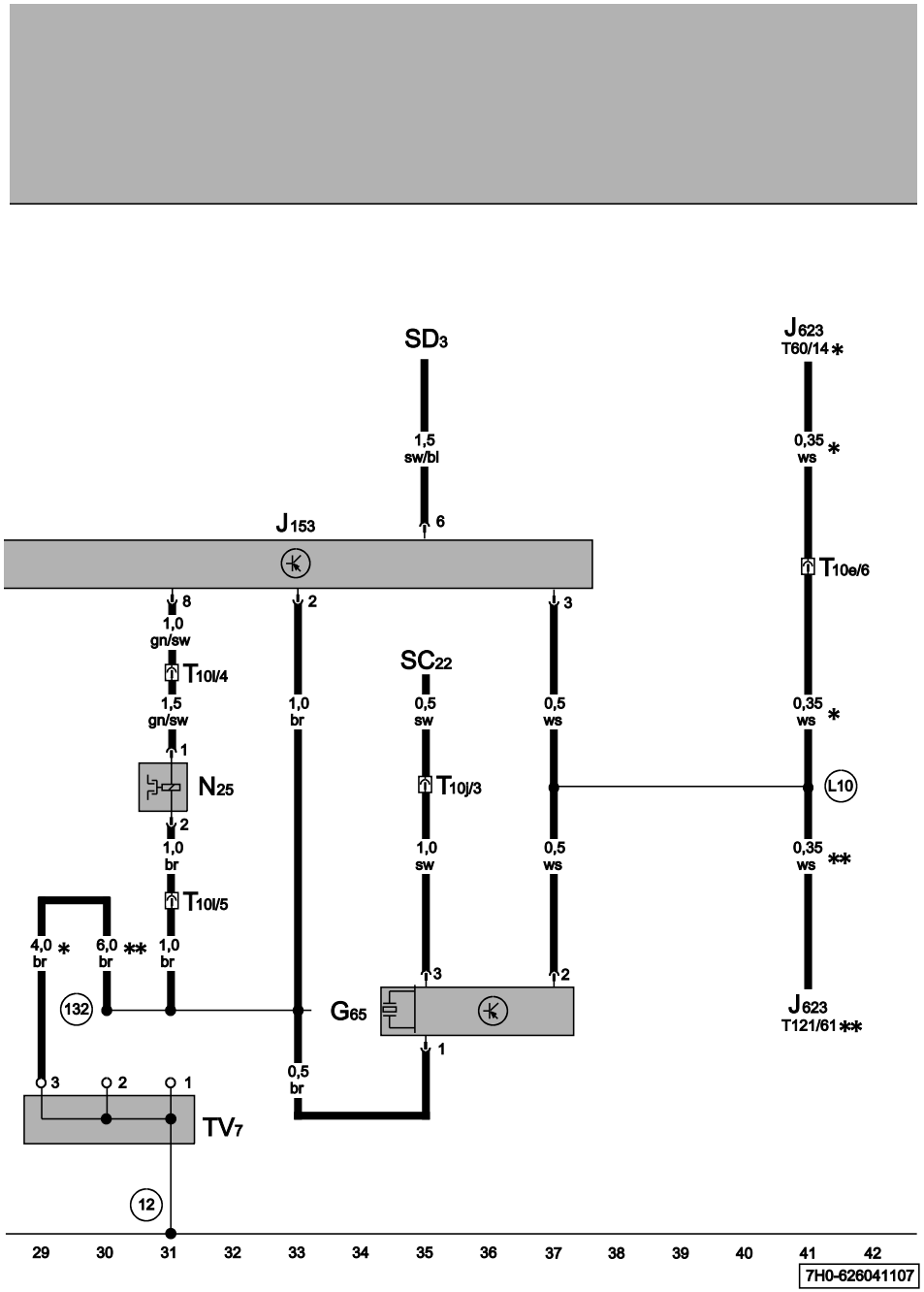
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only

Air conditioning system switch, evaporator temperature sensor, magnetic clutch control unit, fresh air/recirculated air flap control motor



E30	Air conditioning system switch
G308	Evaporator temperature sensor
J153	Magnetic clutch control unit
J623	Engine control unit
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SB35	Fuse 35 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
V154	Fresh air/recirculated air flap control motor
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High pressure sender, magnetic clutch control unit, air conditioning system magnetic coupling

G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
SD3	Fuse 3 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only

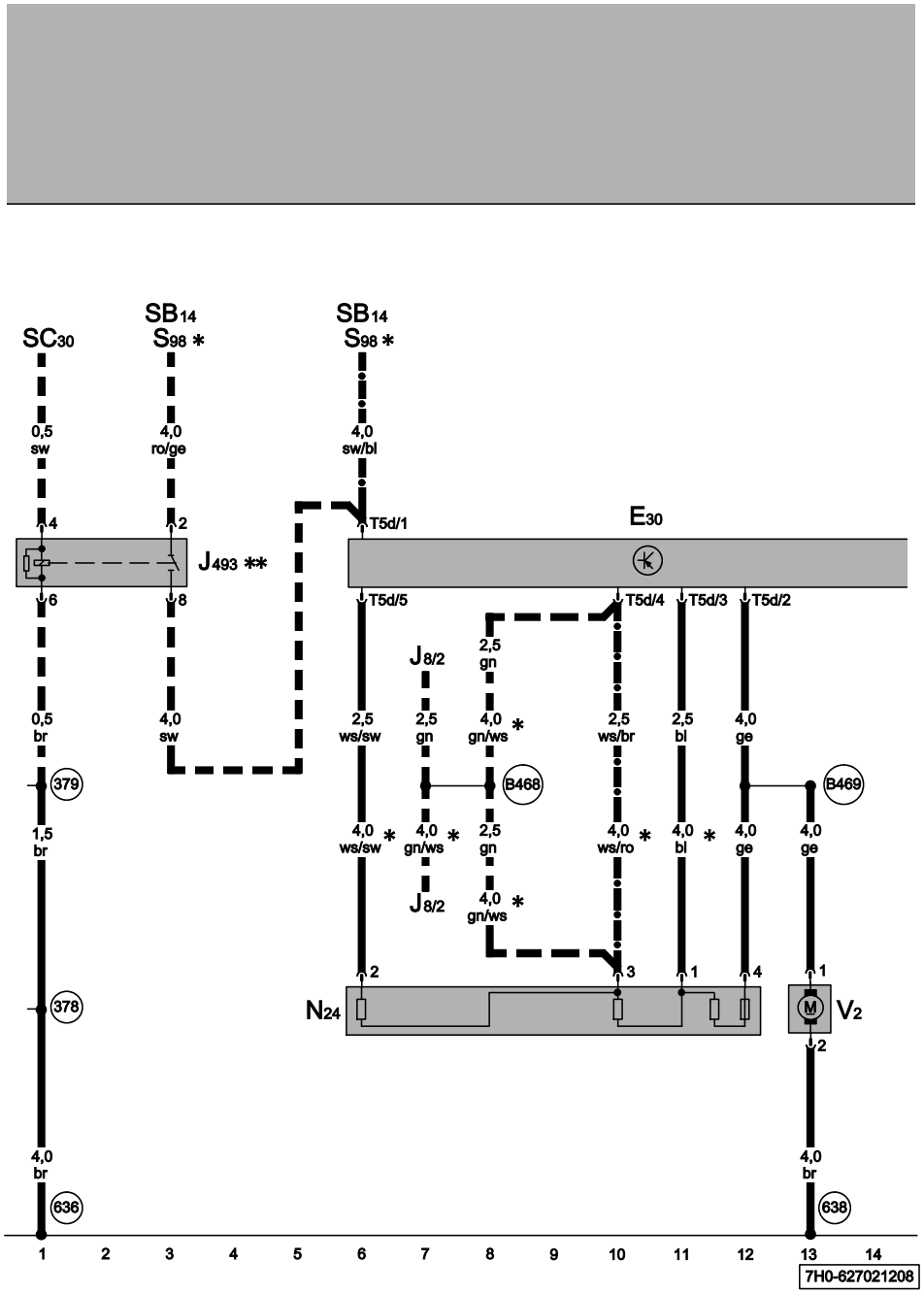
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

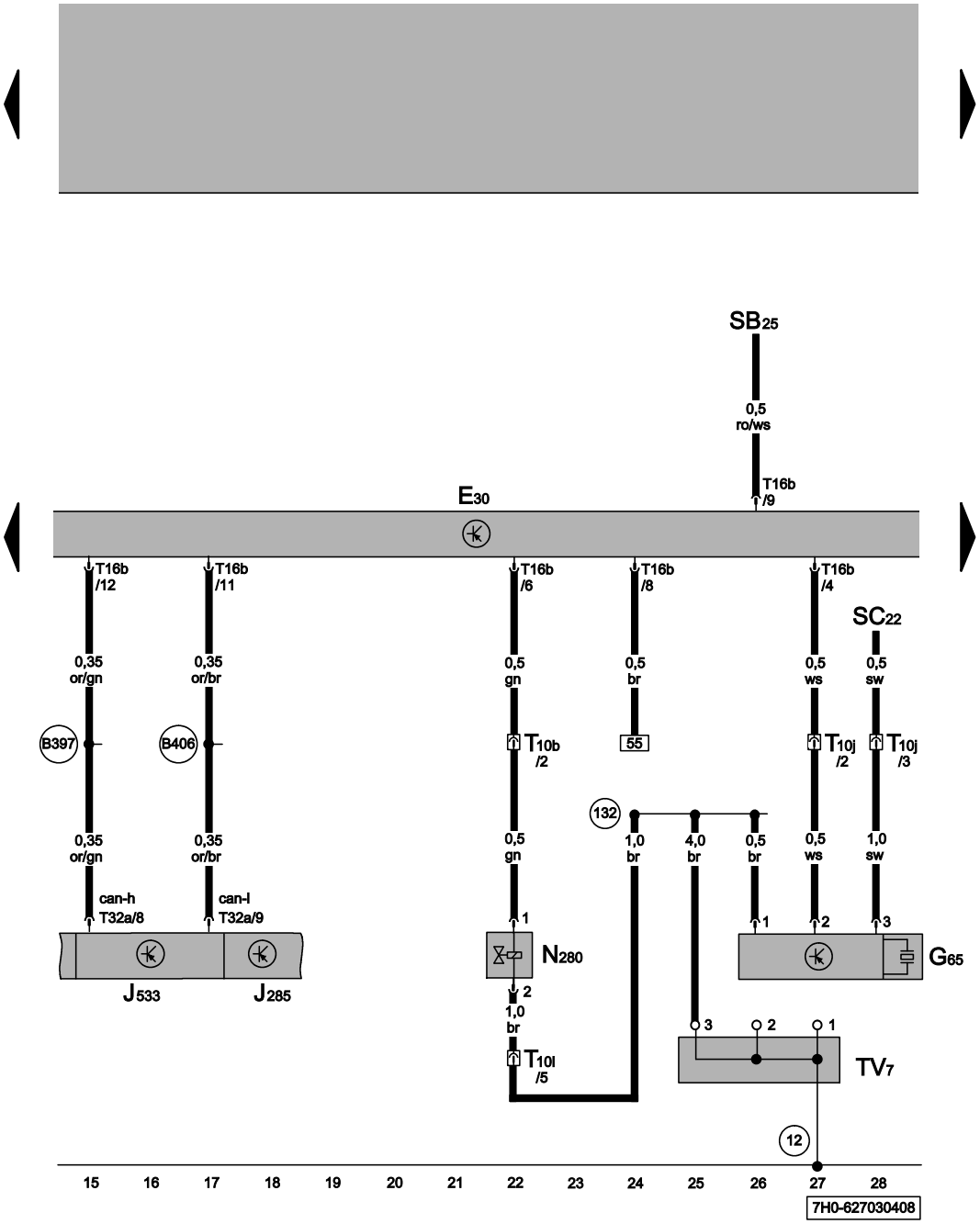


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

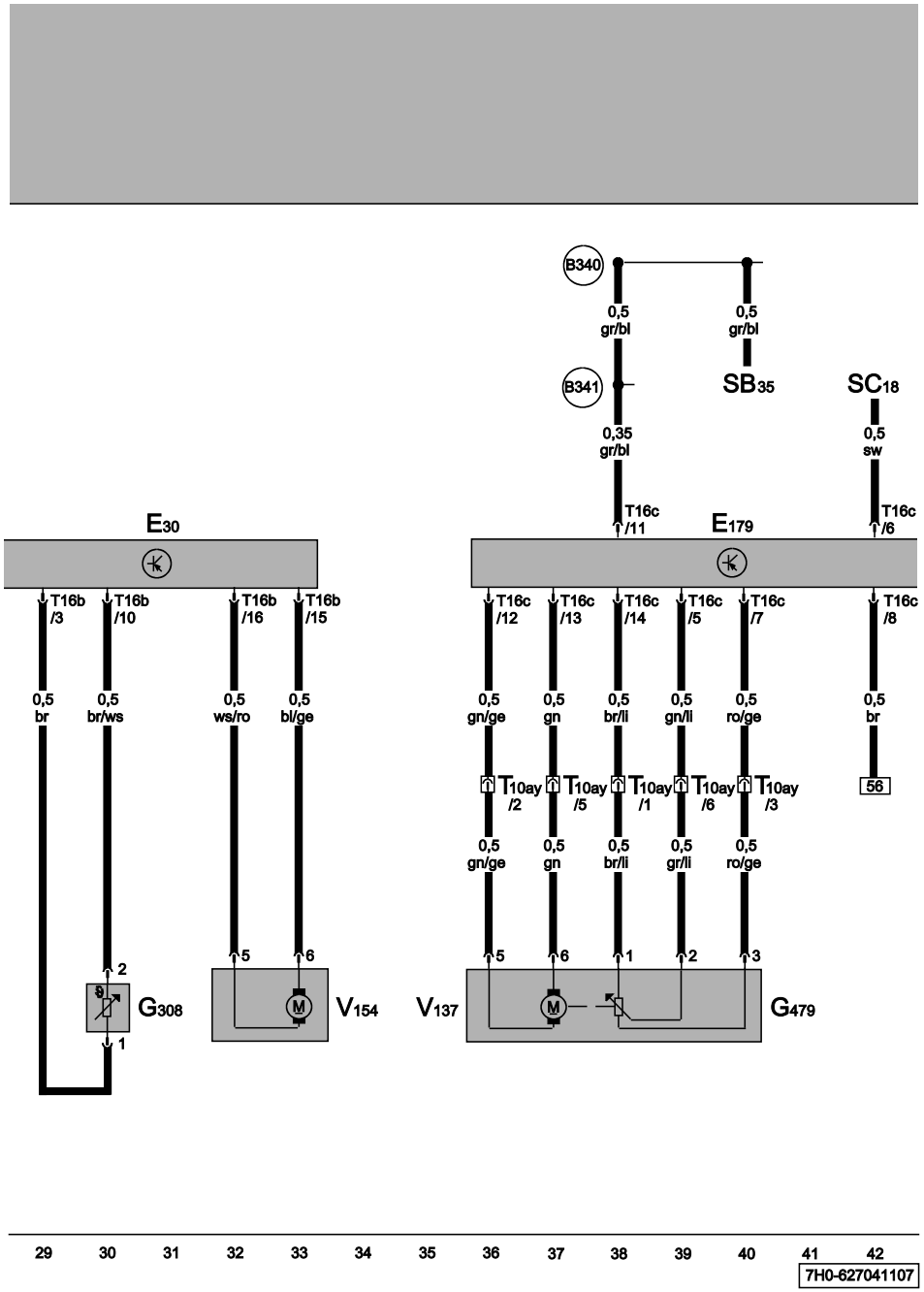
<fo:external-graphic src="../PDOC/
for models without auxiliary coolant heater only



ws = white
sw = black
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br = brown
gn = green
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gr = grey
li = purple
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or = orange
rs = pink

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

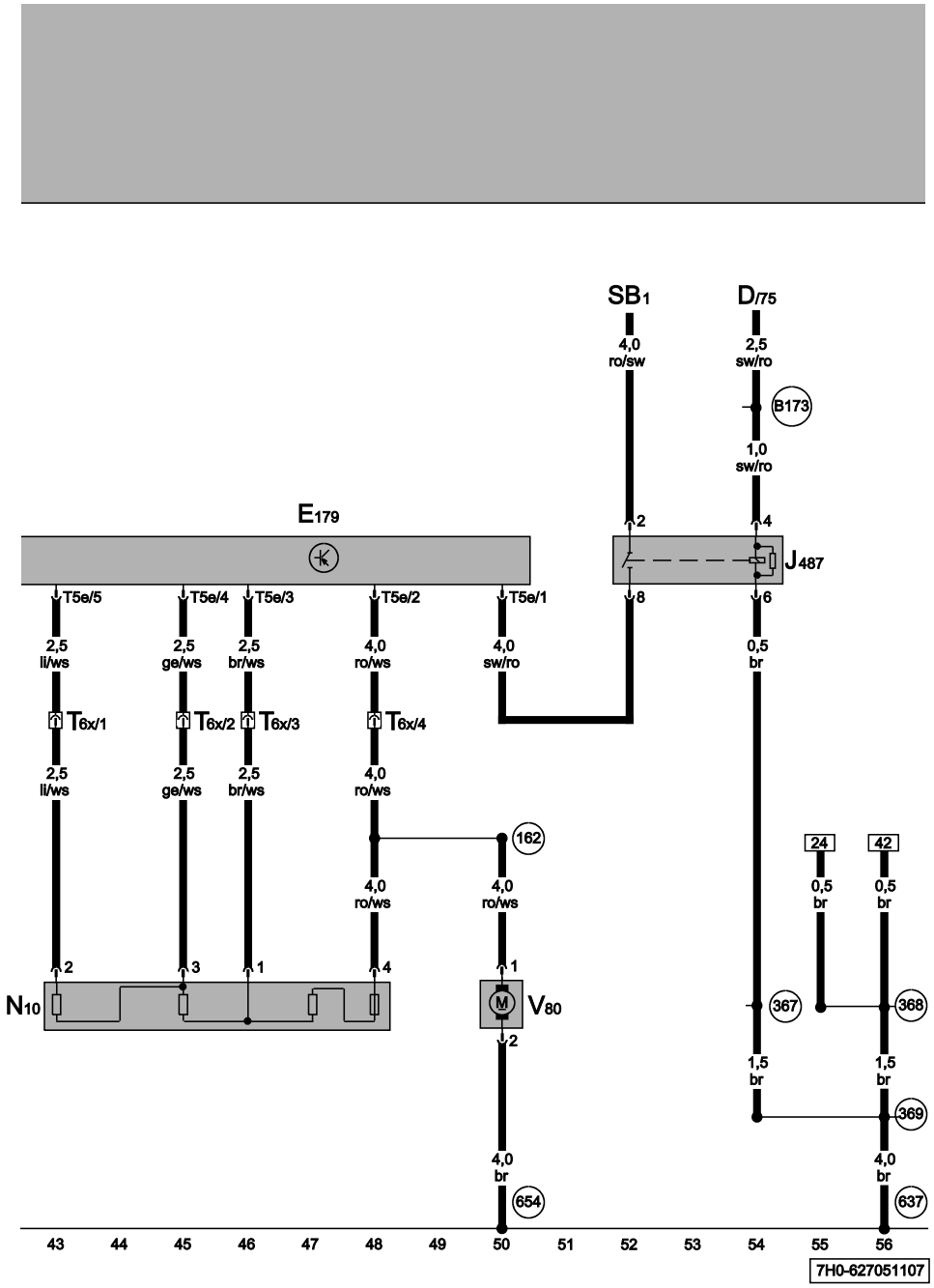


Air conditioning system switch, rear fresh air blower switch, evaporator temperature sensor, potentiometer for rear temperature flap control motor, fresh air and air recirculation flap control motor

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T10ay	10-pin connector, red, coupling station under front passenger seat
T16b	16-pin connector, black
T16c	16-pin connector, black
V137	Rear temperature flap control motor
V154	Fresh air/recirculated air flap control motor
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower



D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness

ws	=	white
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ro	=	red
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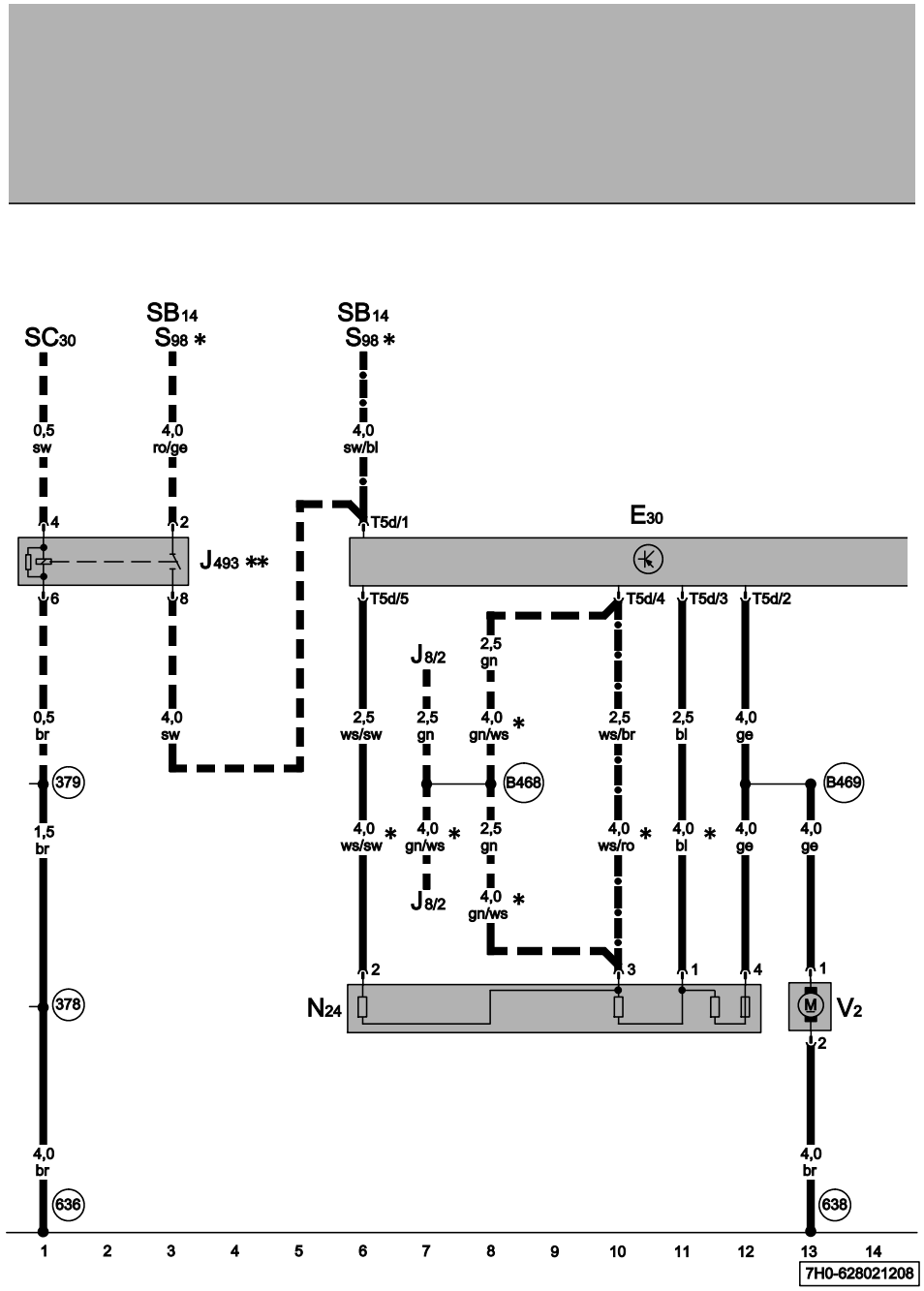
Air conditioning system - front, 2nd heat exchanger rear right

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

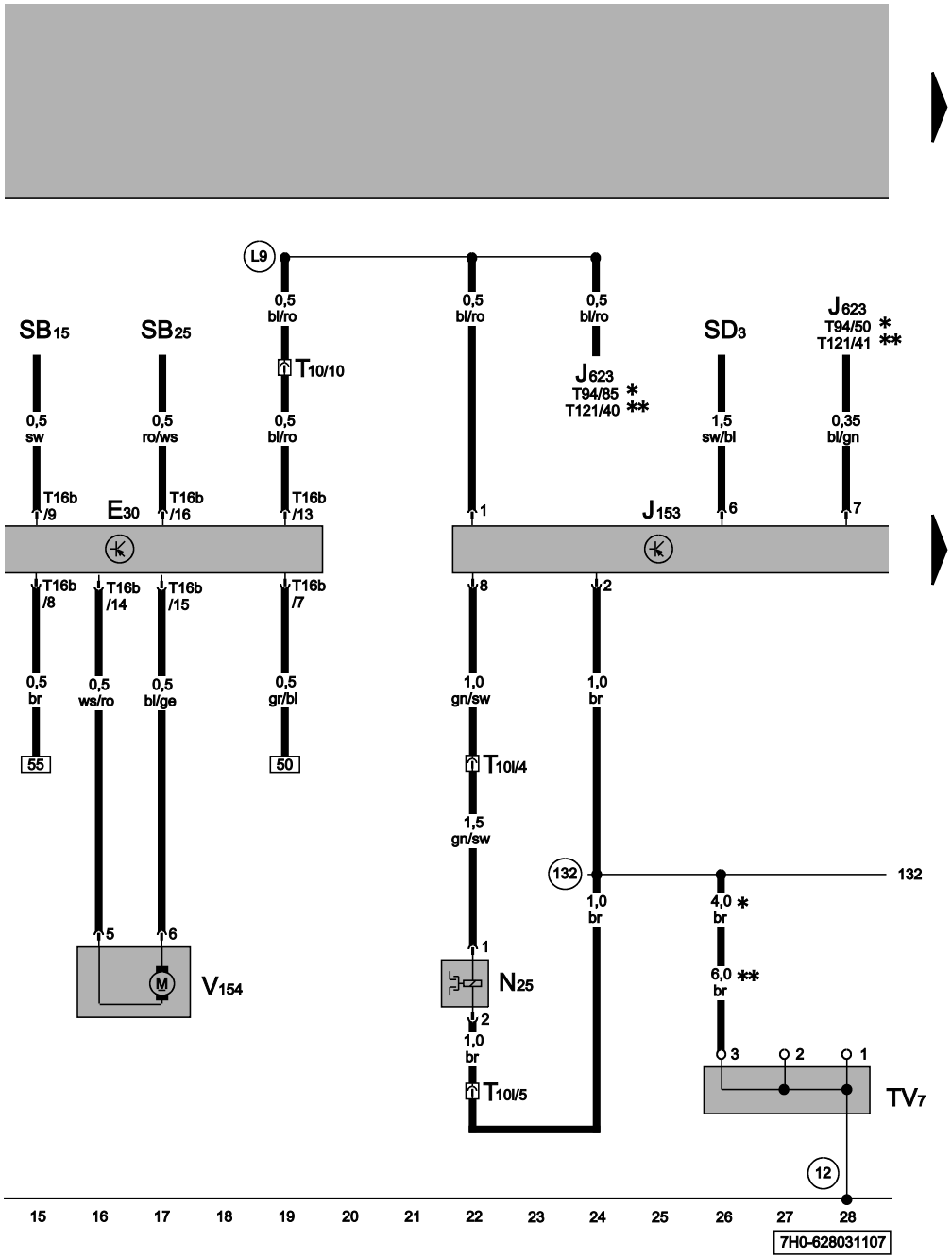


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	applicable from November 2007
**	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

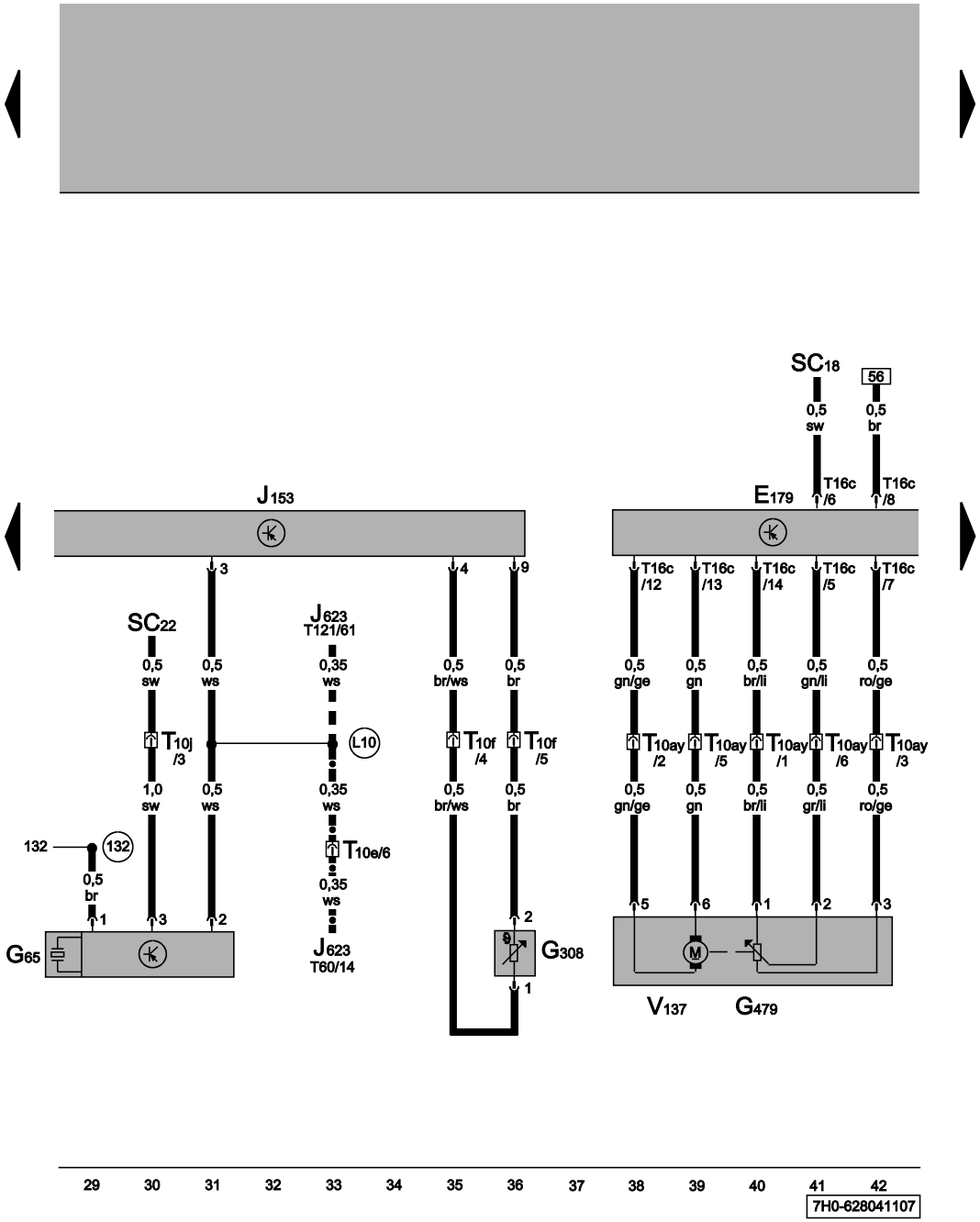
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for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, air conditioning system switch

E30	Air conditioning system switch
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SD3	Fuse 3 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only



ws = white

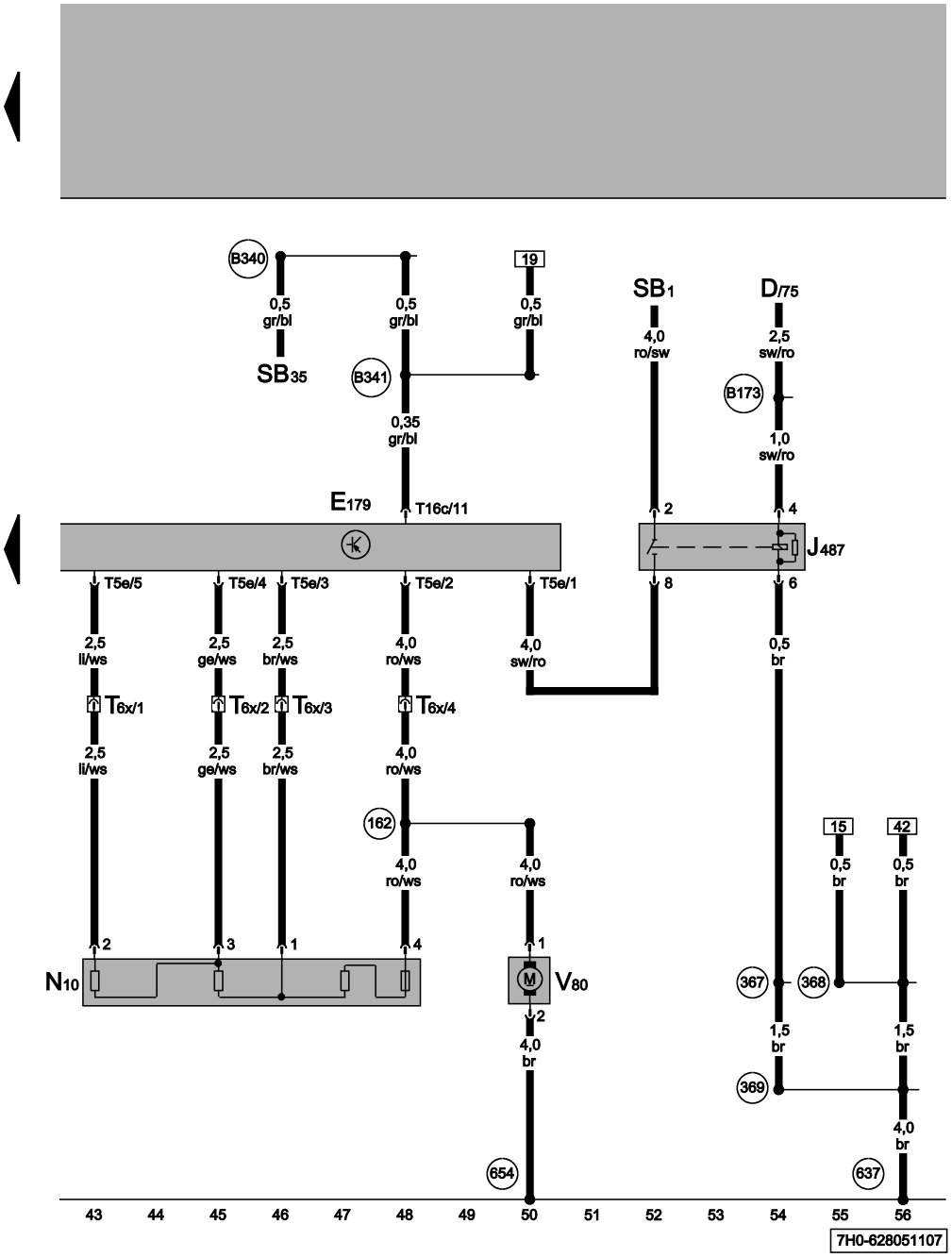
Rear fresh air blower switch, evaporator temperature sensor, high pressure sender, magnetic clutch control unit, rear temperature flap control motor, potentiometer for rear temperature flap control motor

E179	Rear fresh air blower switch
G65	High pressure sender
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
J623	Engine control unit
SC18	Fuse 18 on fuse holder C
SC22	Fuse 22 on fuse holder C
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ay	10-pin connector, red, coupling station under front passenger seat
T16c	16-pin connector, black
T60	60-pin connector
T121	121-pin connector
V137	Rear temperature flap control motor
132	Earth connection 3, in engine compartment wiring harness
L10	Connection 2, in air conditioning system wiring harness

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for models with engine codes AXB, AXC, BRR and BRS only

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for models with engine codes AXA, BDL, BDM and BKK only

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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, fresh air blower isolation relay, series resistor for rear fresh air blower, rear fresh air blower

D	Ignition/starter switch
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
SB35	Fuse 35 on fuse holder B
T5e	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16c	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B173	Positive connection 2 (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

Day driving light

from June 2007

Notes:

For information concerning

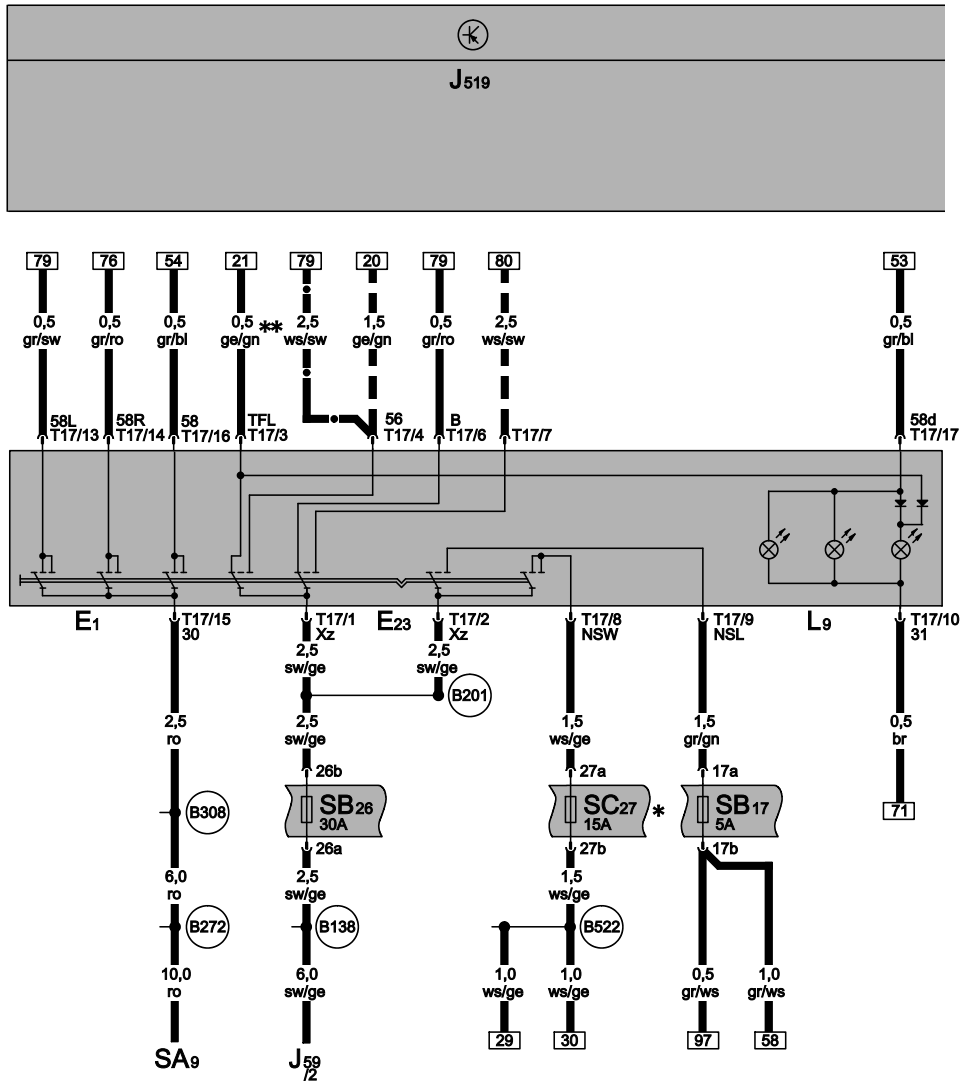
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch

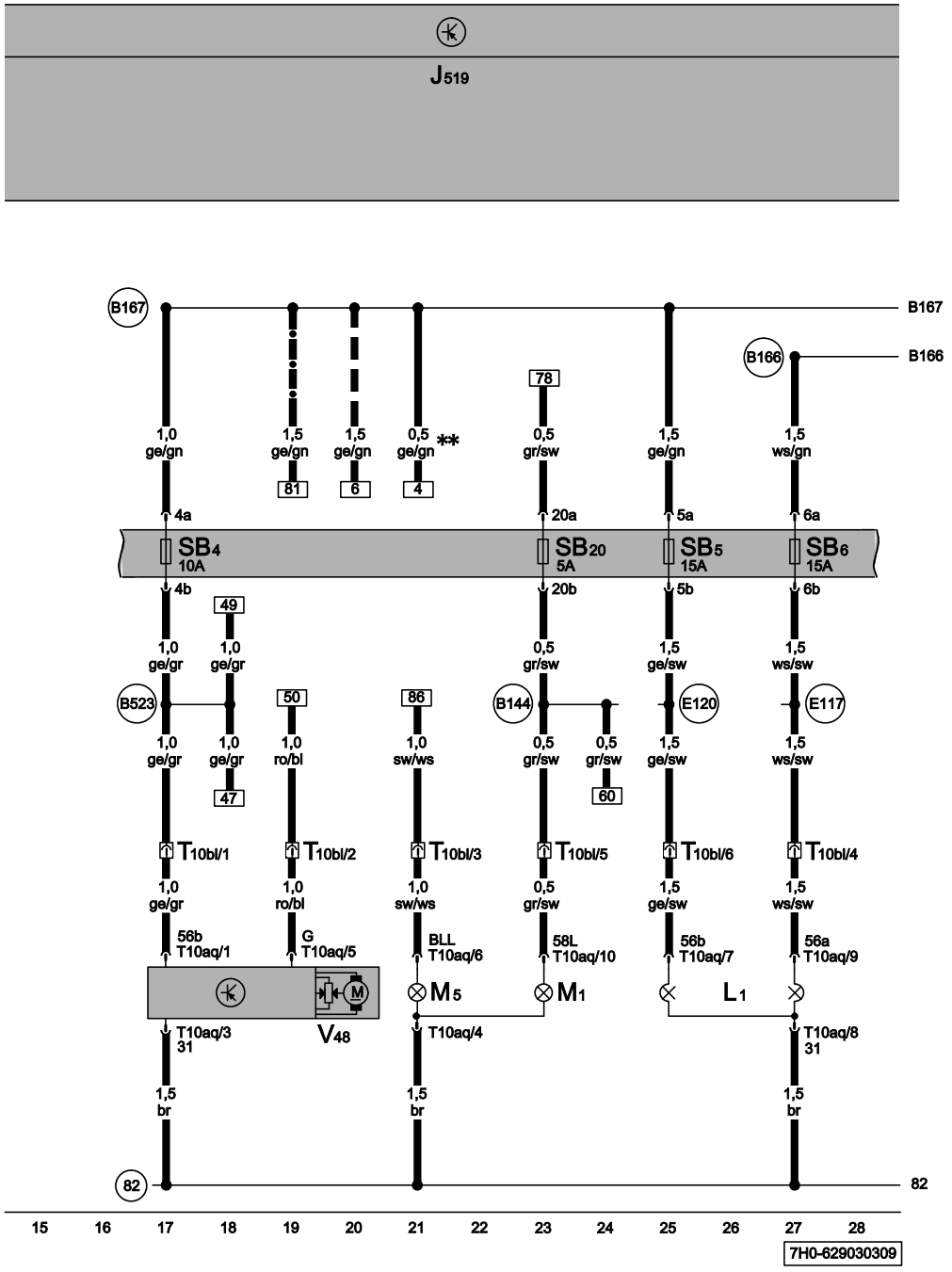
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
SC27	Fuse 27 on fuse holder C
T17	17-pin connector
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights

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for multivan, business, caravelle and camper Comfortline only

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applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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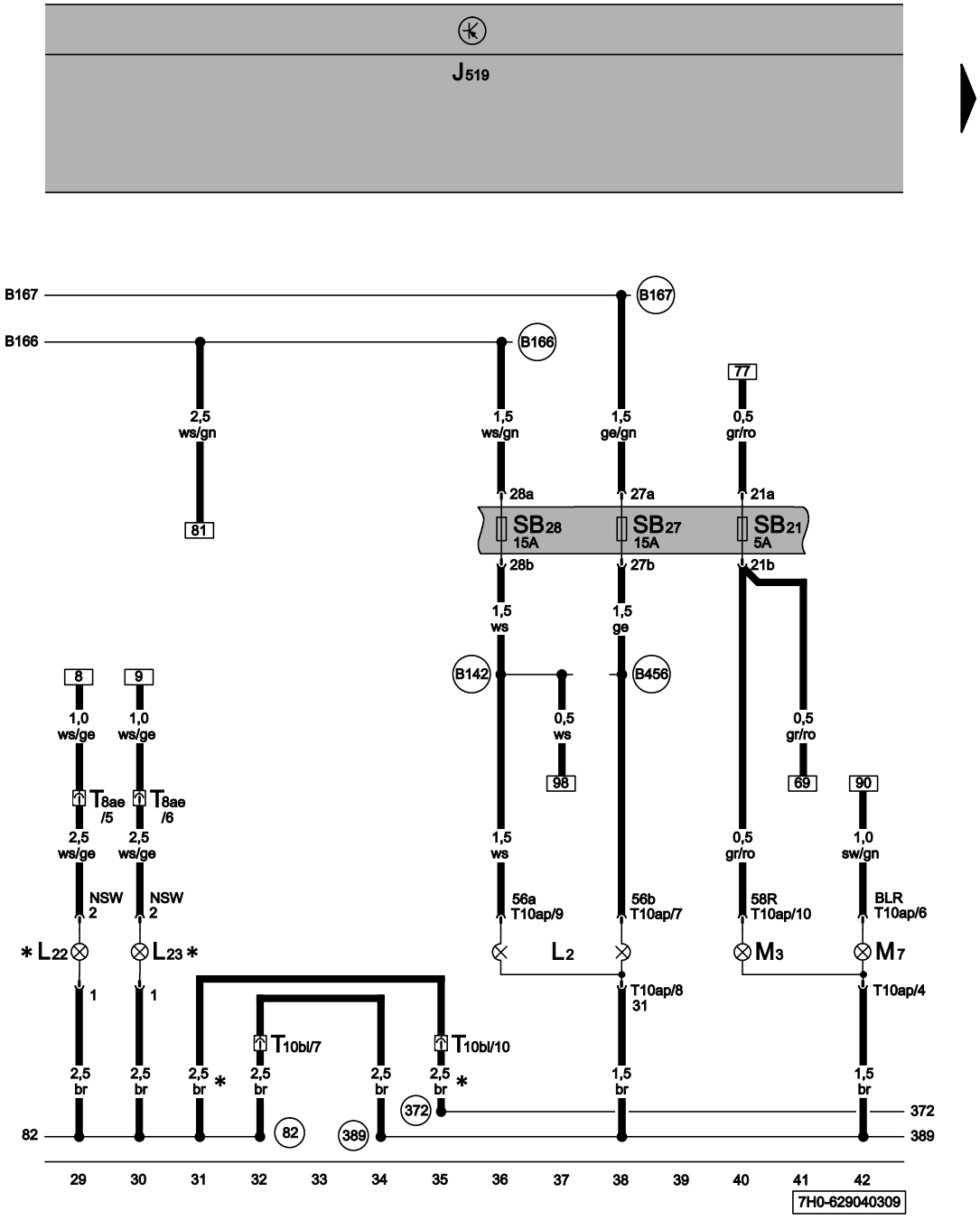
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Left headlight twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor

J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
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or	=	orange
rs	=	pink

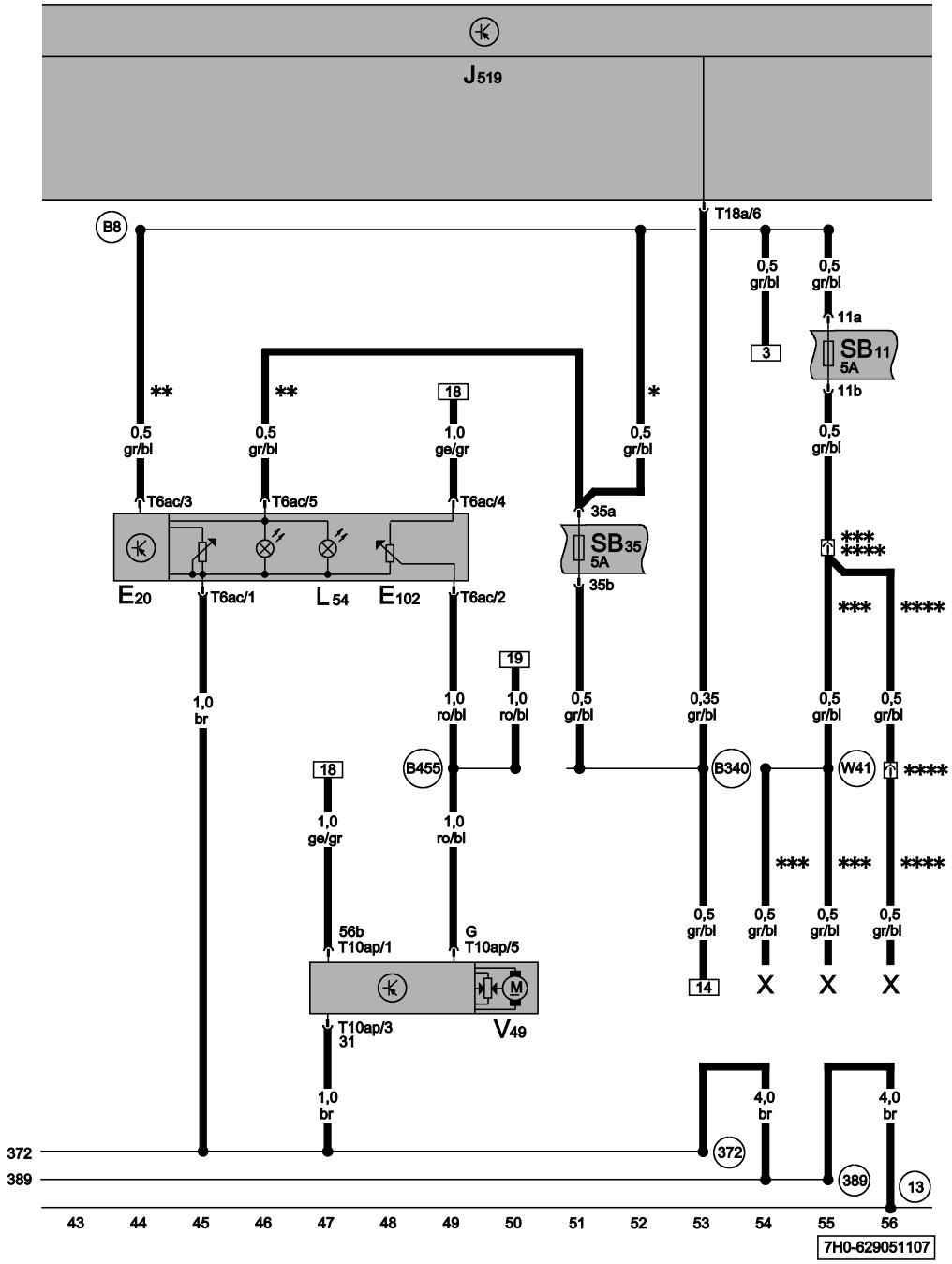
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, fog light bulb

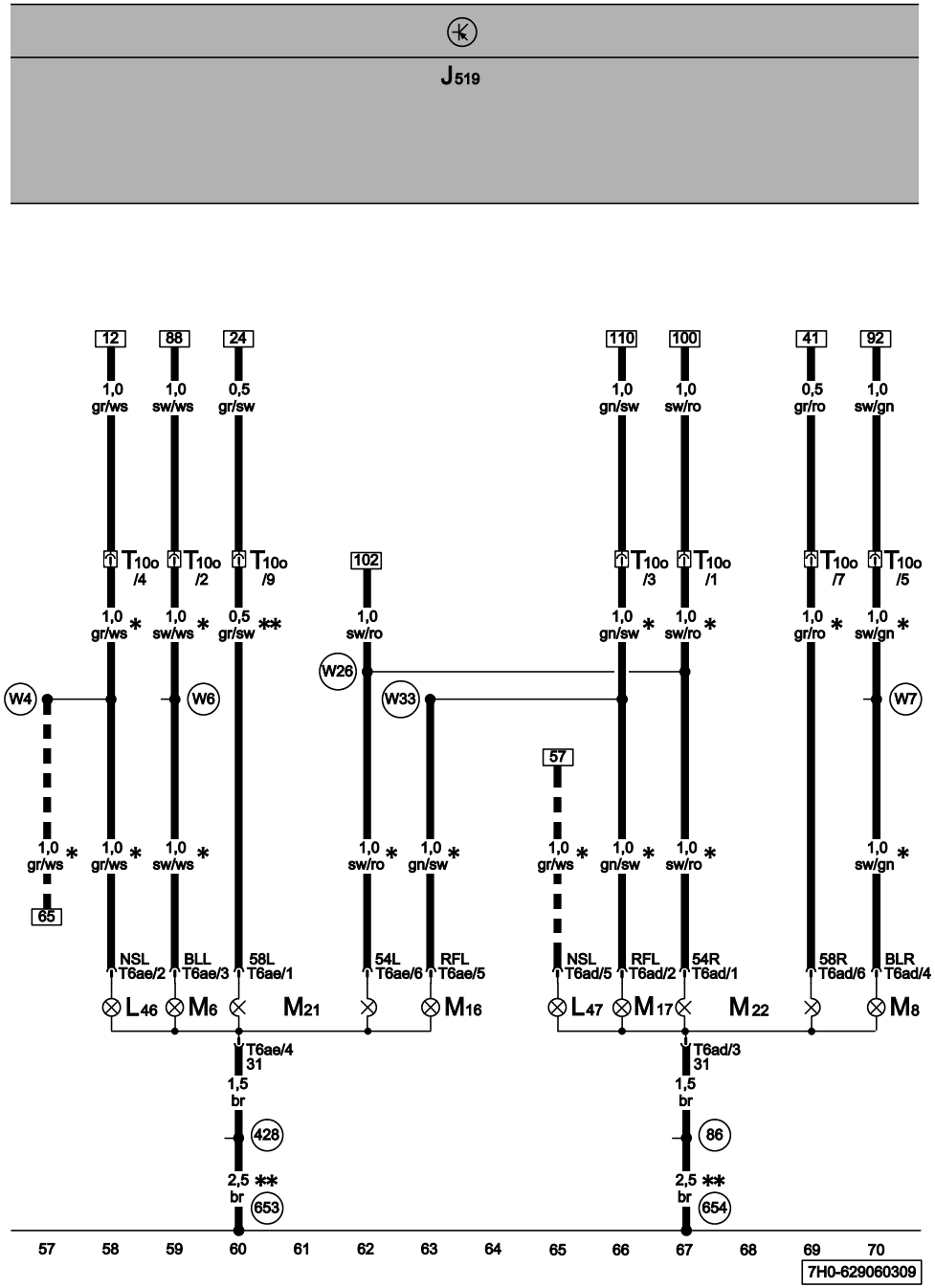
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
*	for models with front fog light only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
W41	Positive connection (58), in licence plate lights wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	⇒ tail lights plank bed Current Flow Diagram
****	⇒ basic equipment/ rear wing doors Current Flow Diagram

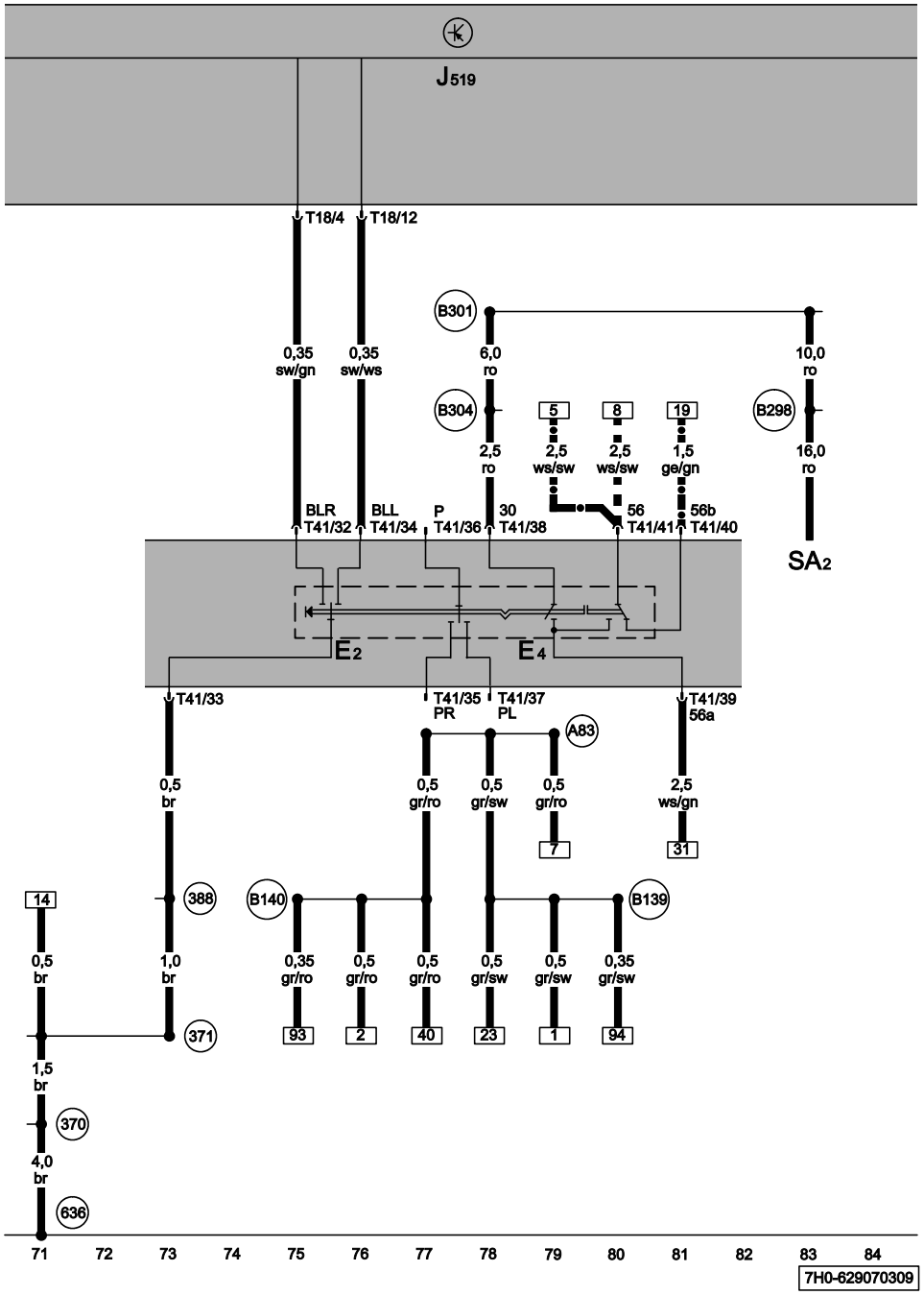


ws = white

Left and right brake and tail light bulb, rear left and right turn signal bulb, reversing light, rear fog light

J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
W4	Connection 1 (rear fog lights), in rear wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	not for double cab and plank bed vehicles
**	cross-section depends on equipment
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Onboard supply control unit, turn signal switch, headlight dipper/flasher switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness

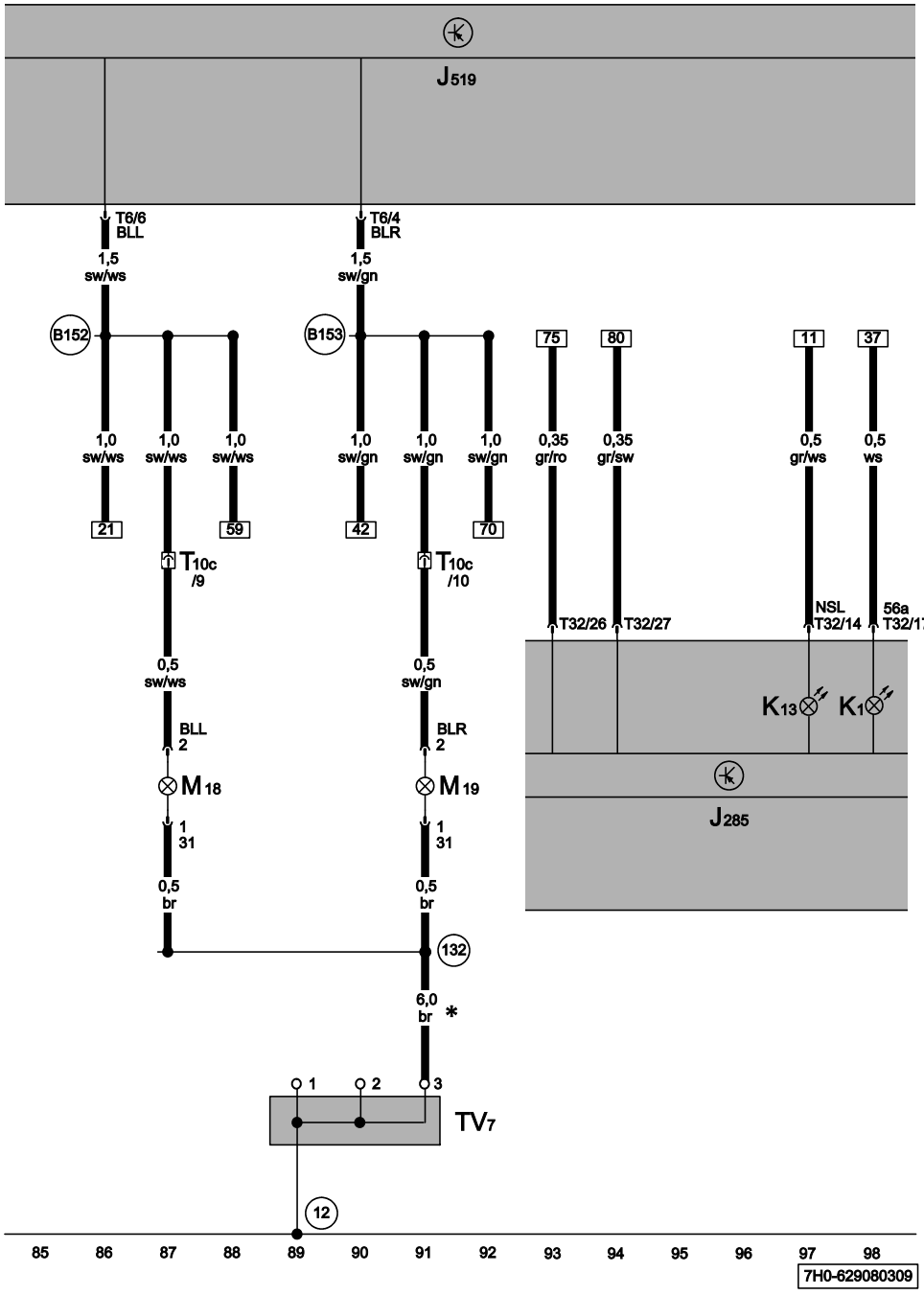
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for multivan, business, caravelle and camper Comfortline only

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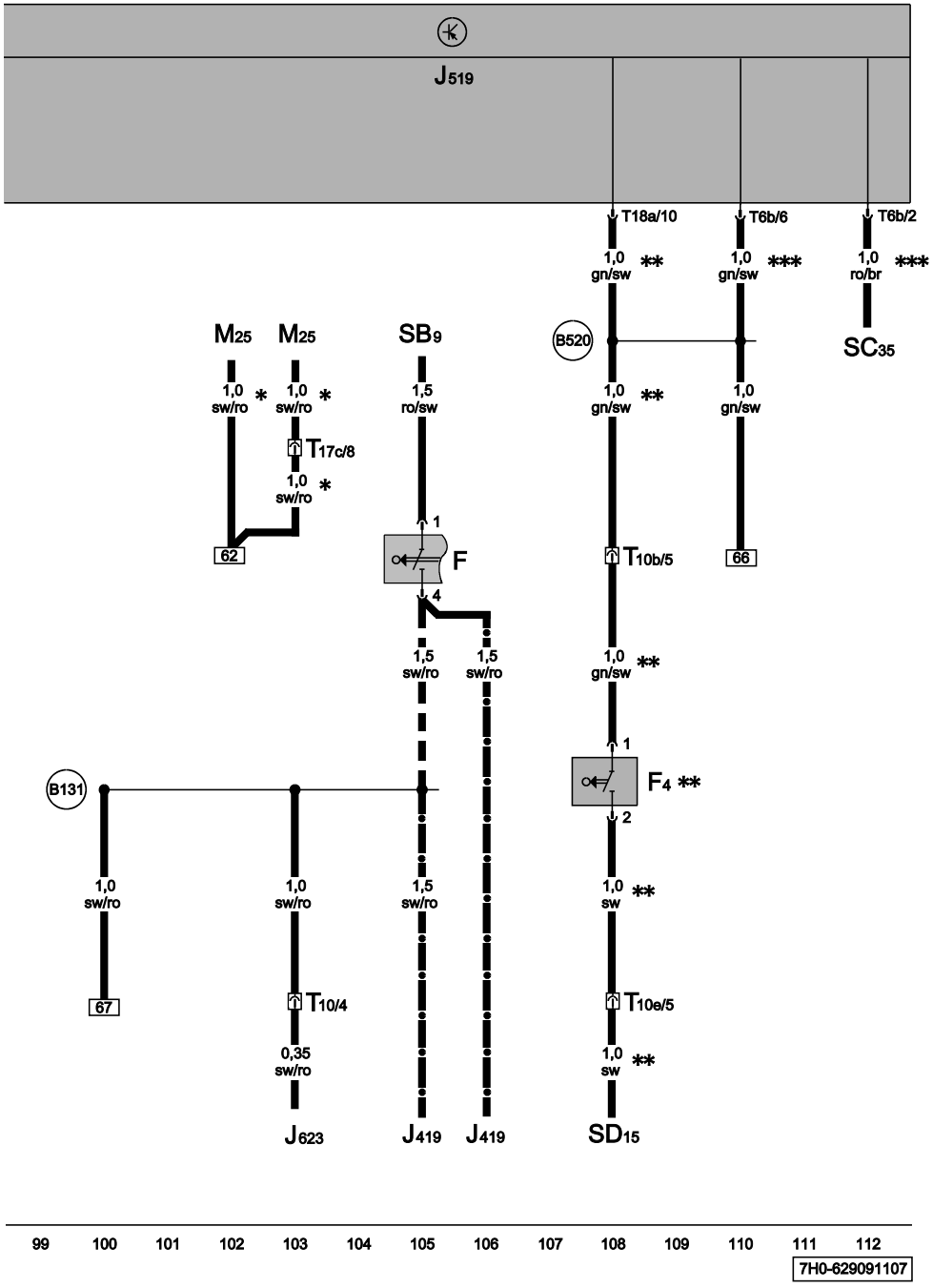
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or	=	orange
rs	=	pink



Onboard supply control unit, warning lamps, side mounted turn signal bulbs, control unit in dash panel insert

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 4.0 possible

ws	=	white
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ basic equipment/ rear wing doors Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
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Headlight - multivan and camper

from June 2007

Notes:

For information concerning

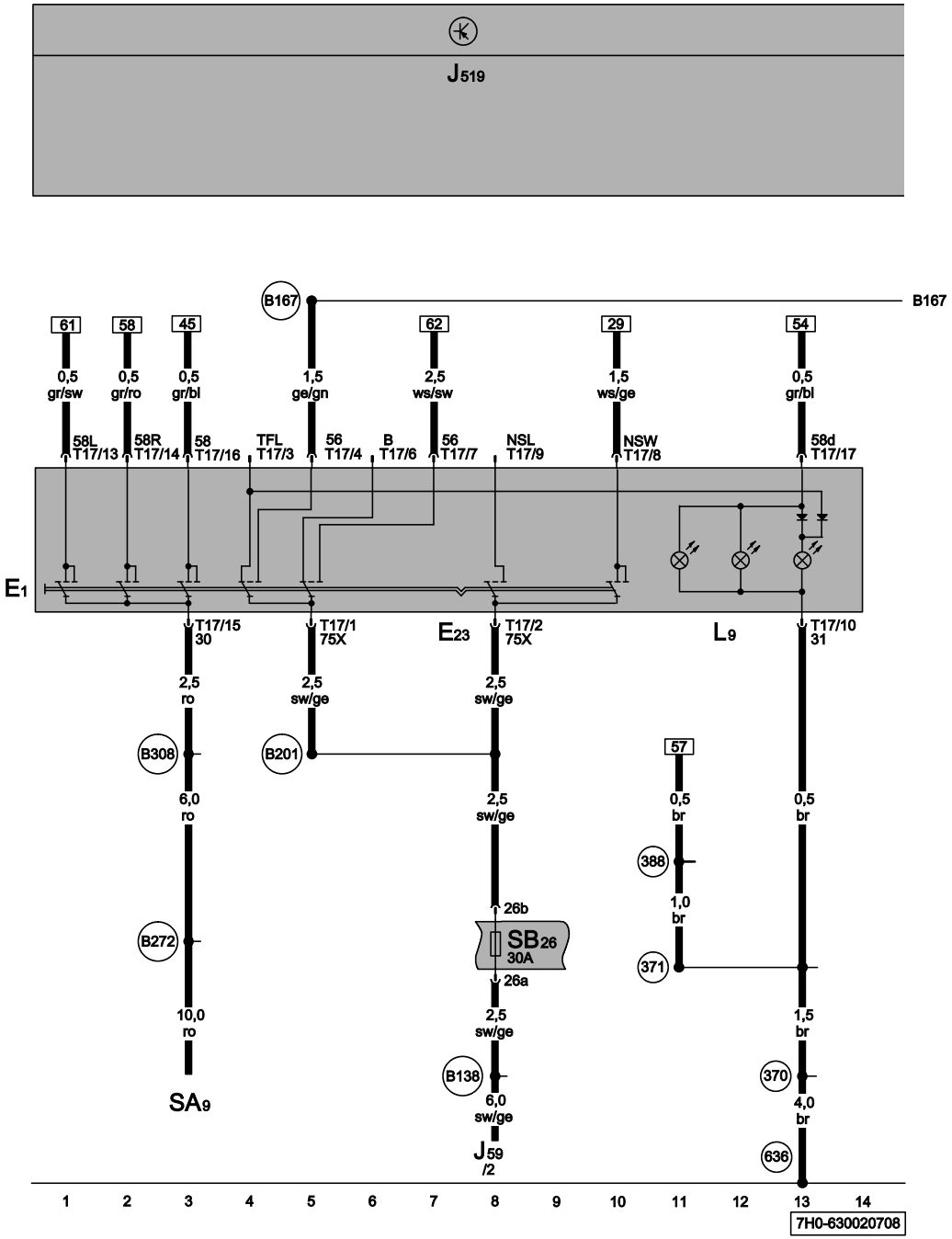
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

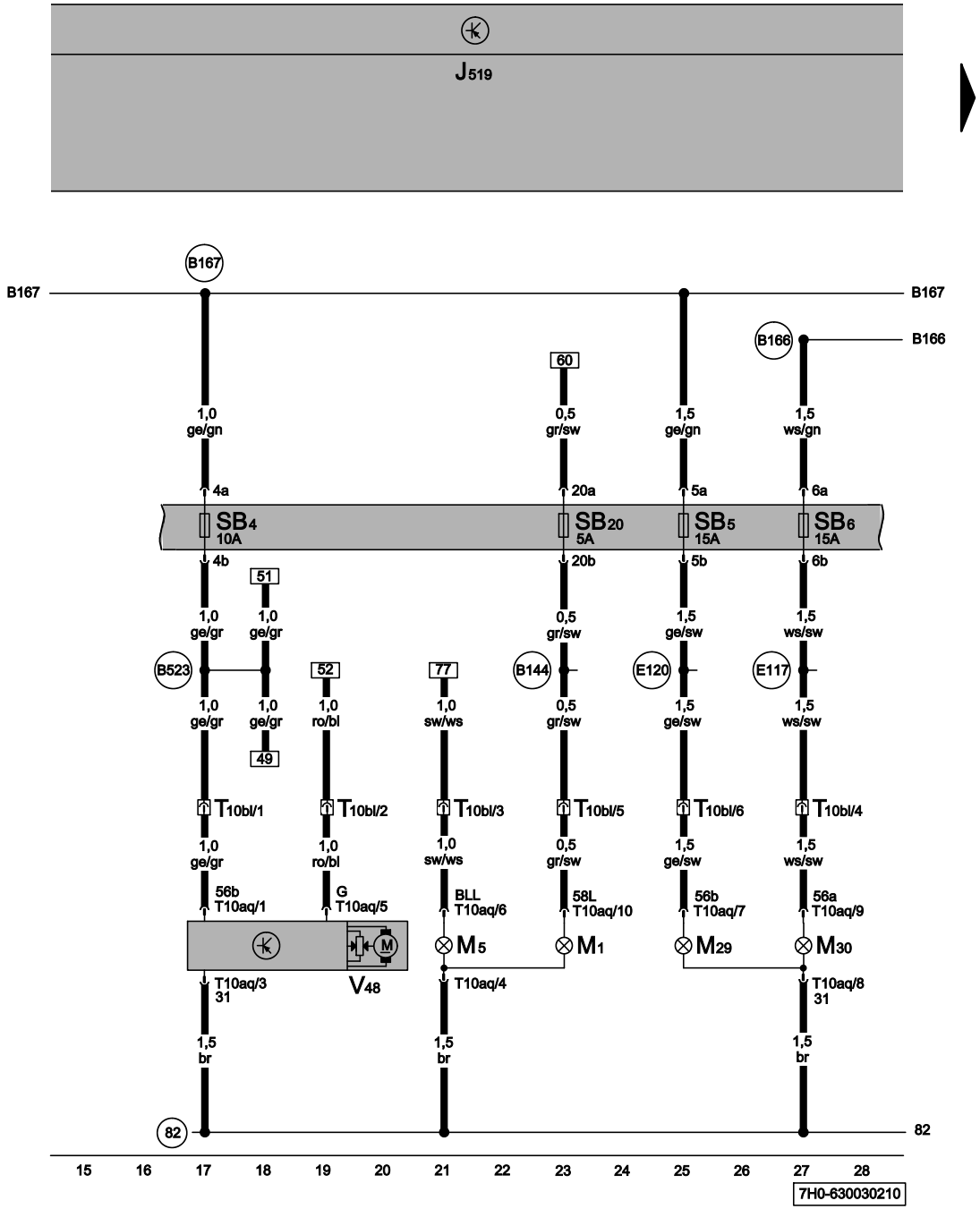
⇒ guided fault finding



Lighting switch, front and rear fog light switch, fuse SB26

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness

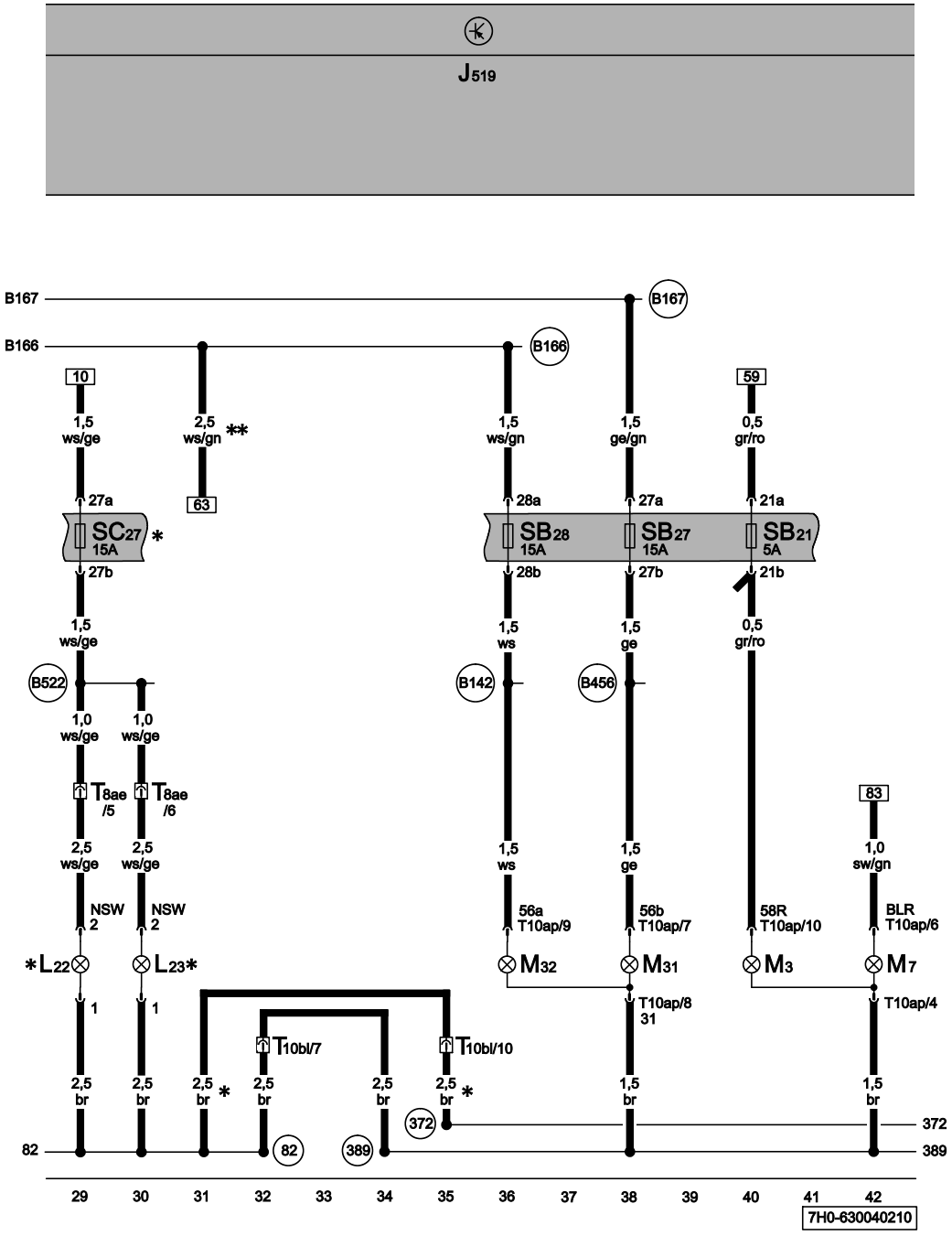
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
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rs = pink

Fuses, dipped beam bulb, main beam bulb, left headlight range control motor, side light bulb, front left turn signal bulb

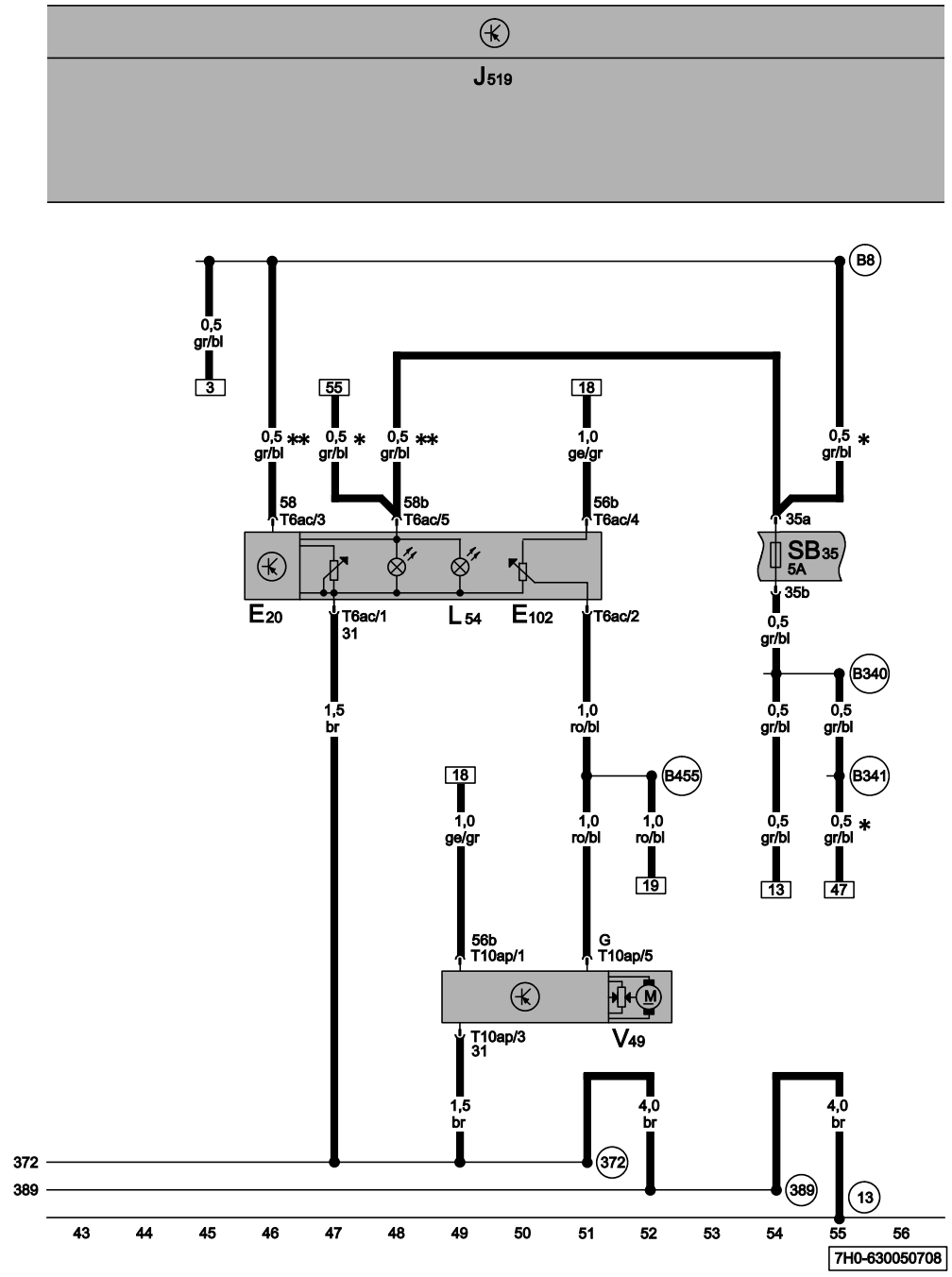
J519	Onboard supply control unit
M1	Left side light bulb
M5	Front left turn signal bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T14	14-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, dipped beam bulb, main beam bulb, right side light bulb, front right turn signal bulb

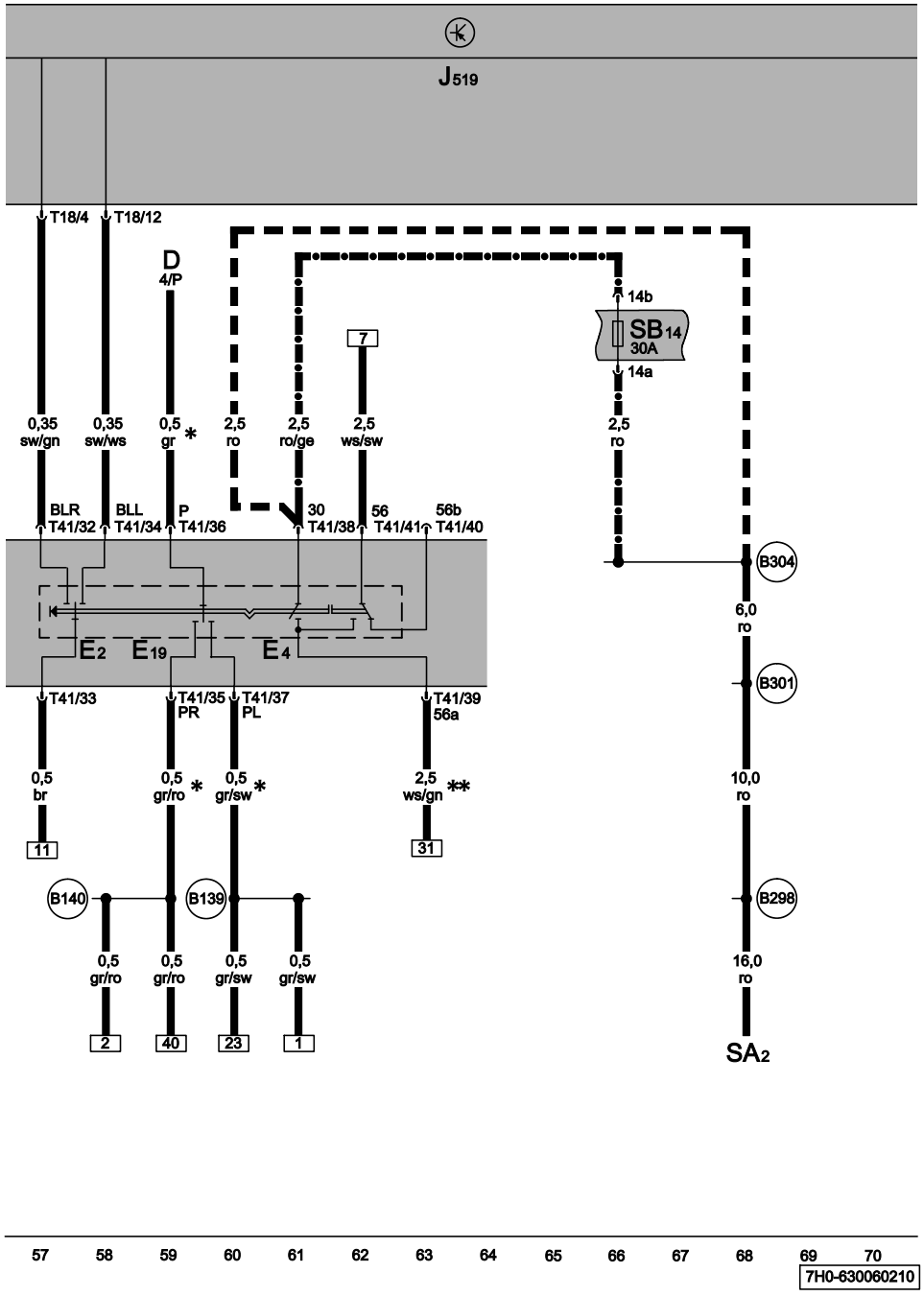
J519	Onboard supply control unit
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M31	Right dipped beam bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



Fuse, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, fuses

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB14	Fuse 14 on fuse holder B
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

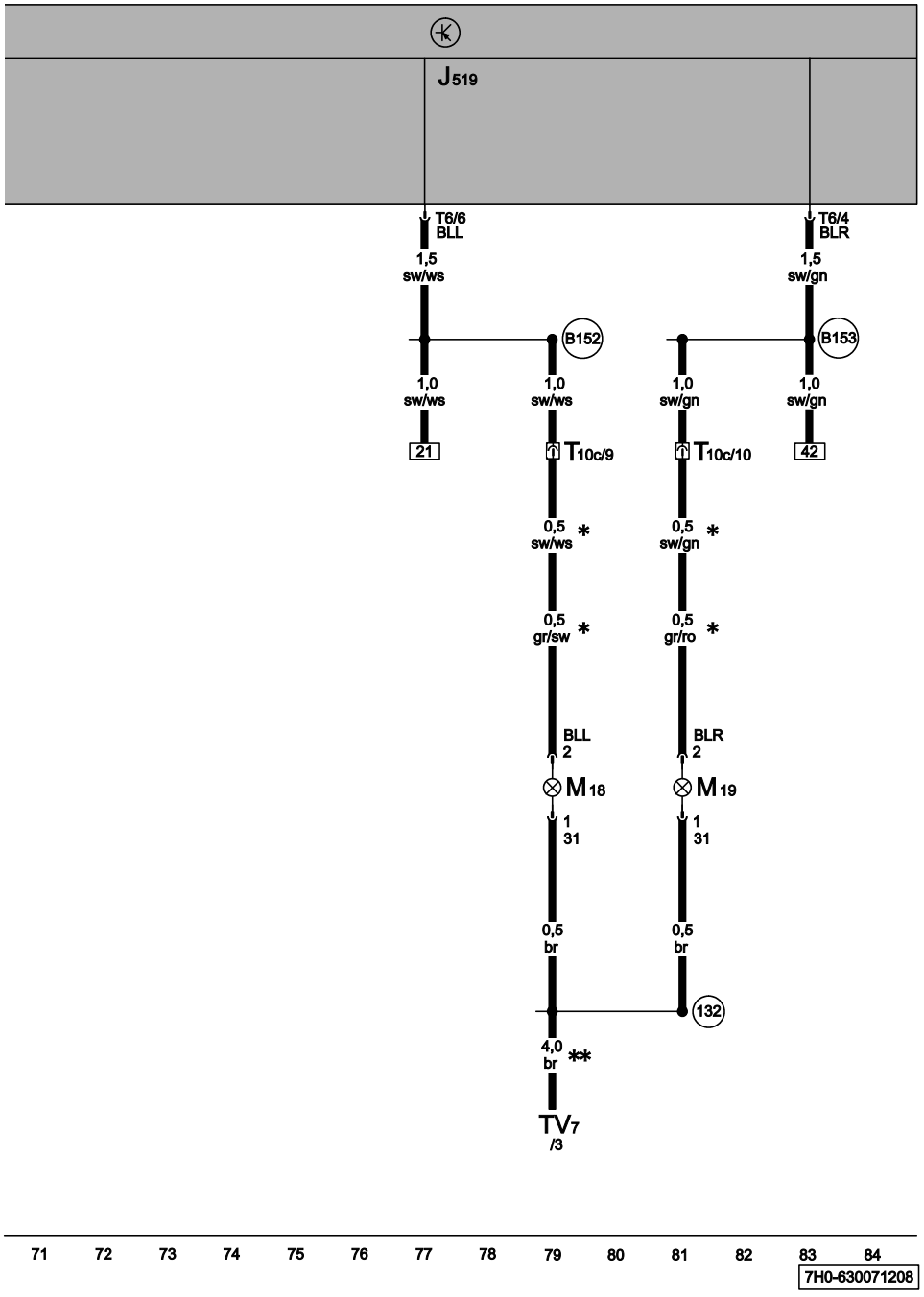
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applicable up to May 2008

<fo:external-graphic src="../PDOC/
applicable from June 2008

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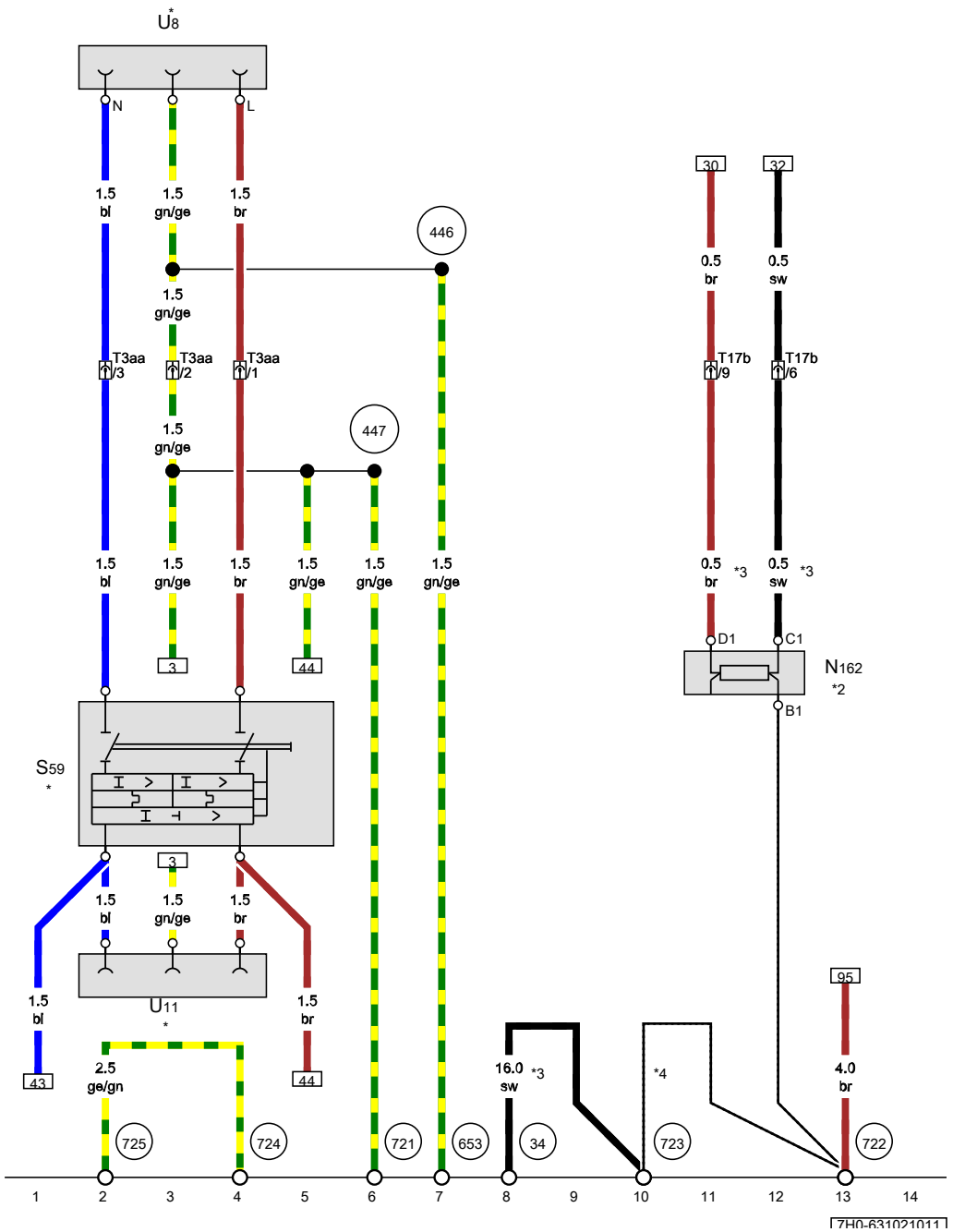
Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	depends on equipment
**	Cross-section 6.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Camping equipment

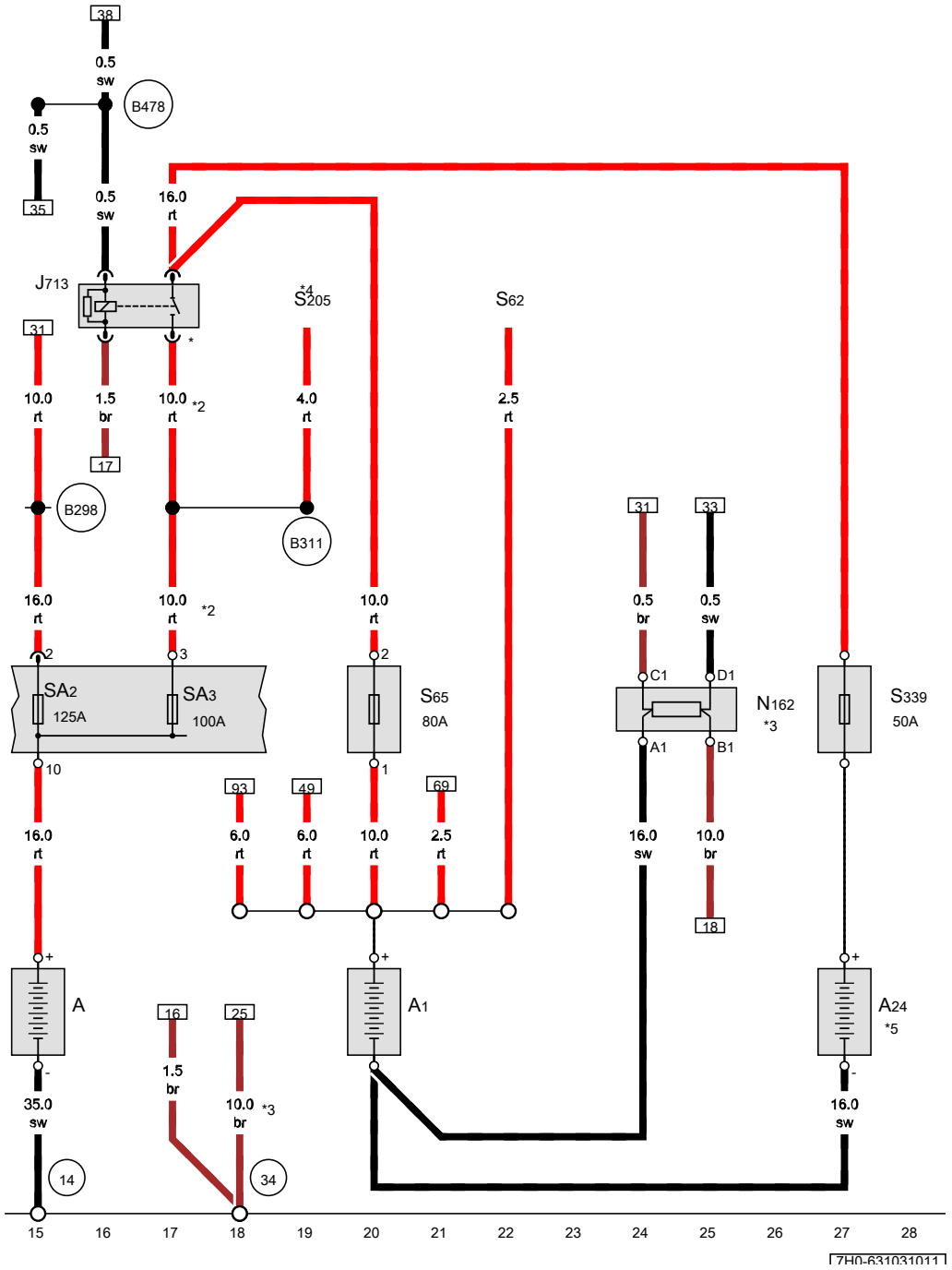
From June 2007



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Battery charge control measuring resistor, 220 V automatic personnel protection circuit breaker, Exterior socket, 230 V, 110 V, Interior socket, 230 V, 110 V

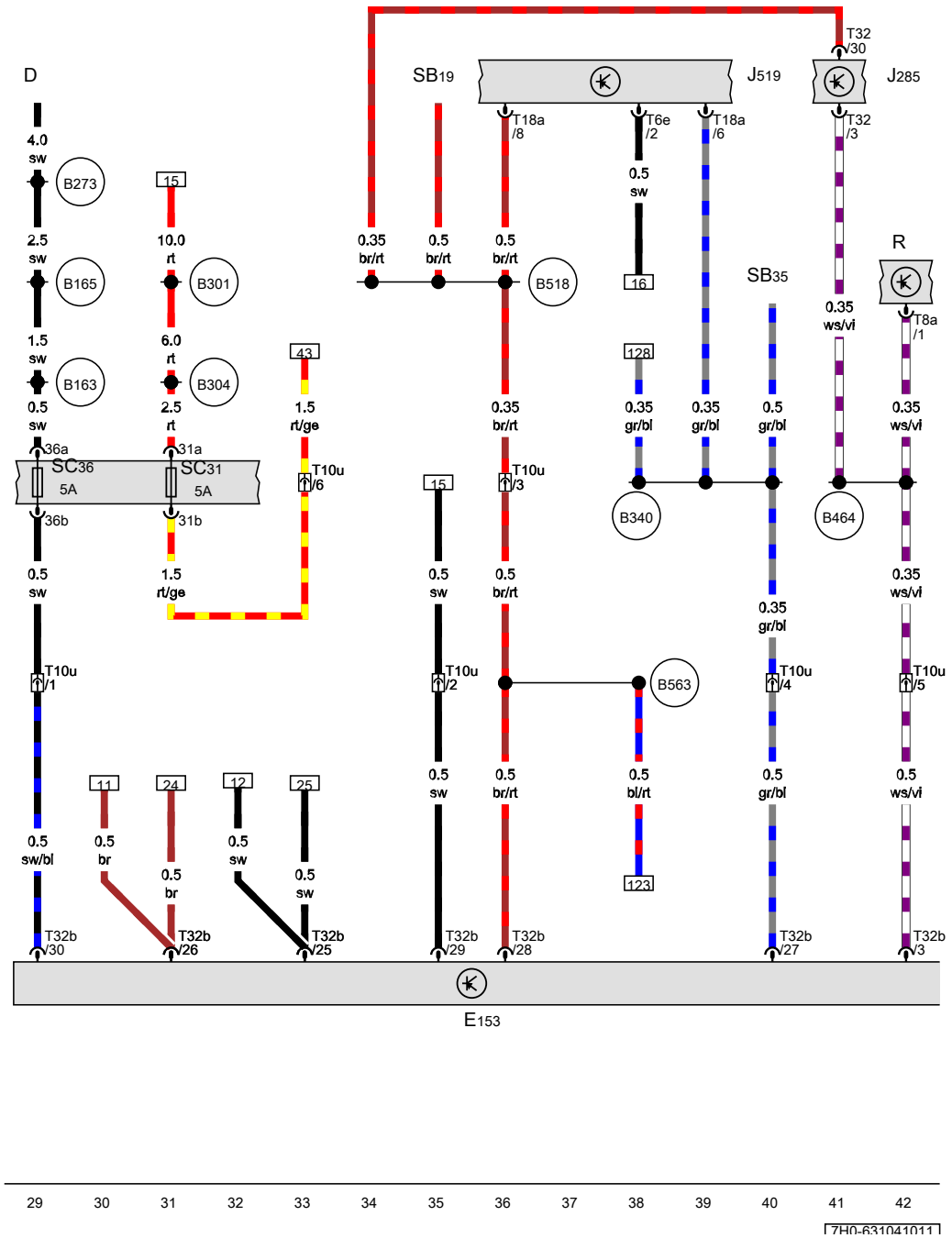
N162	Battery charge control measuring resistor
S59	220 V automatic personnel protection circuit breaker
T3aa	3-pin connector, near left D-pillar
T17b	17-pin connector, in cupboard, bottom
U8	Exterior socket, 230 V, 110 V
U11	Interior socket, 230 V, 110 V
34	Earth point, under driver seat
446	Earth conductor connection 1
447	Earth conductor connection 2
653	Earth point, on left D-pillar
721	Earth point 1, for special constructions
722	Earth point 2, for special constructions
723	Earth point 3, for special constructions
724	Earth point 4, for special constructions
725	Earth point 5, for special constructions
*	Only models with DC/AC converter
*2	in cupboard, next to refrigerator, bottom
*3	Only models with battery for special vehicles
*4	Earth connection above cupboard floor



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Second battery charging circuit relay, Battery charge control measuring resistor

A	Battery
A1	Second battery
A24	Battery for special vehicle
J713	Second battery charging circuit relay
N162	Battery charge control measuring resistor, under seat on front left
SA2	Fuse 2 in fuse holder A
SA3	Fuse 3 in fuse holder A
S62	Auxiliary heater fuse
S65	2nd battery fuse
S205	Fuse 2 (30)
S339	Battery fuse in special vehicle
14	Earth point, on gearbox
34	Earth point, under driver seat
B298	Positive connection 2 (30), in main wiring harness
B311	Positive connection 15 (30), in main wiring harness
B478	Connection 14, in main wiring harness
*	Screw connection possible
*2	Cross-section 16.0 possible
*3	Only models with no battery for special vehicles
*4	Only models with electric sliding door
*5	Only models with battery for special vehicles



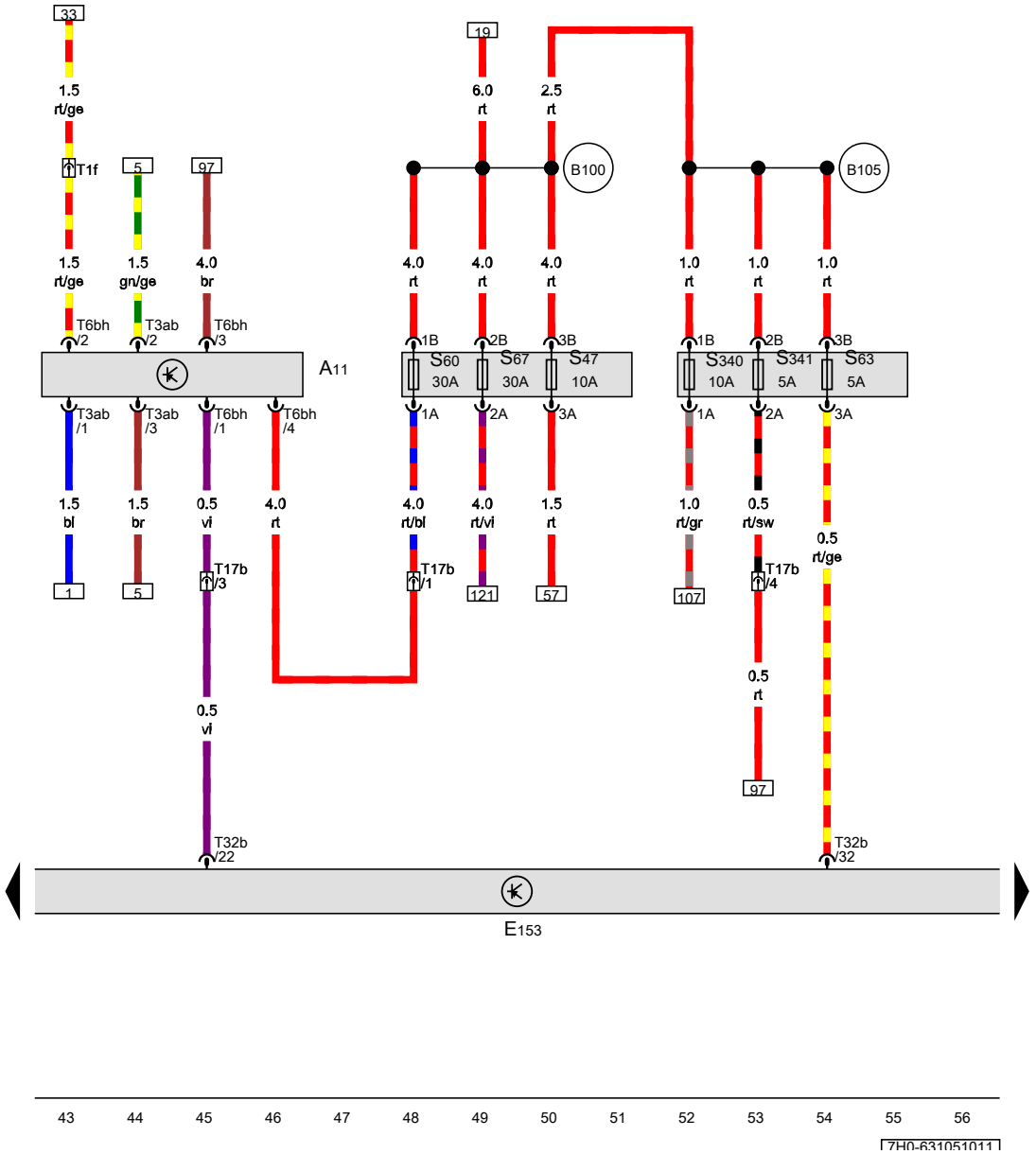
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ro = red
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gn = green
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Operating and display unit for camping equipment

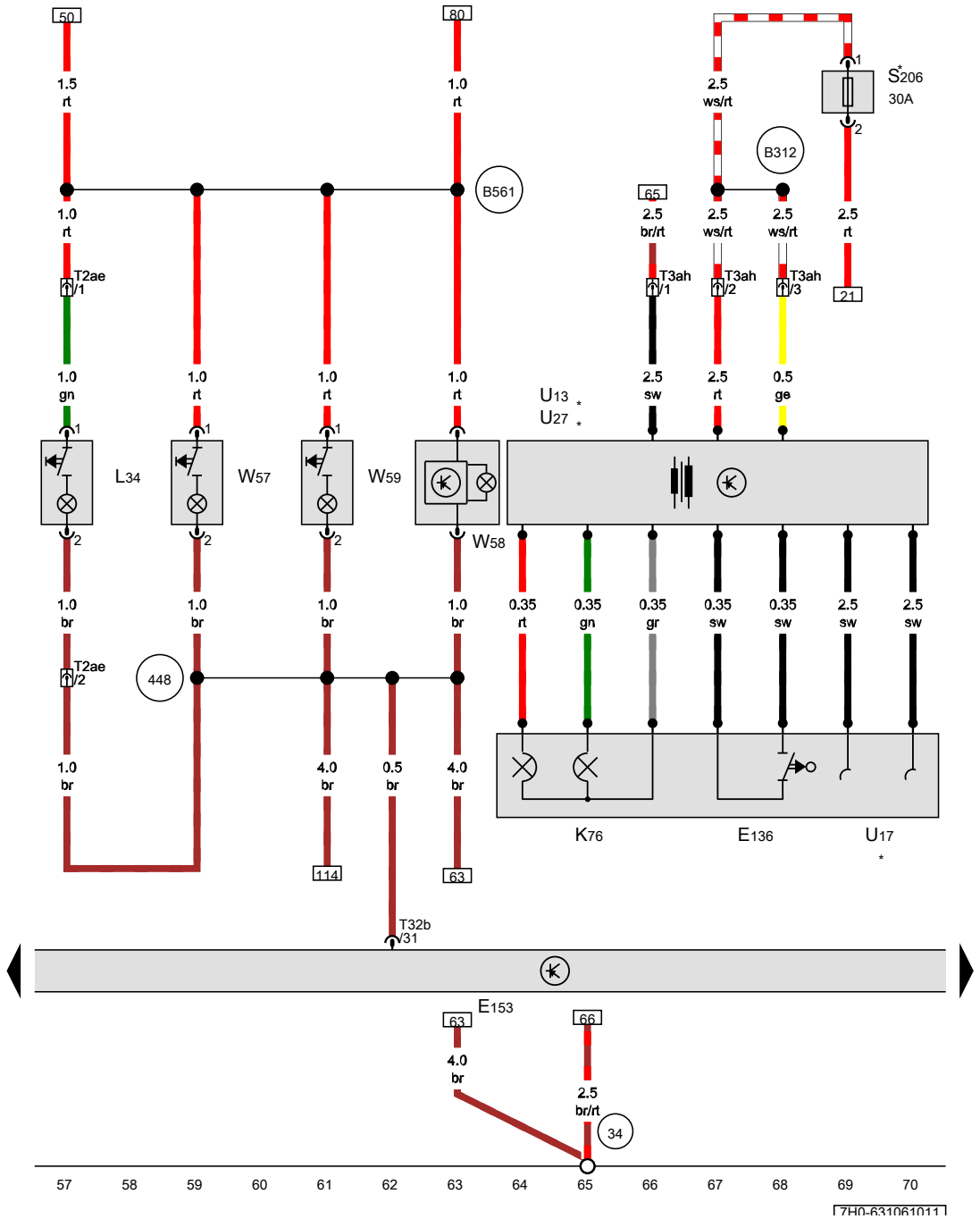
D	Ignition/starter switch
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J519	Onboard supply control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SC31	Fuse 31 on fuse holder C
SB35	Fuse 35 on fuse holder B
SC36	Fuse 36 on fuse holder C
T6e	6-pin connector
T8a	8-pin connector
T10u	10-pin connector, under driver seat
T18a	18-pin connector
T32	32-pin connector
T32b	32-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness

Onboard supply charger unit, Operating and display unit for camping equipment

A11	Onboard supply charger unit
E153	Operating and display unit for camping equipment
S47	Reading light and interior light fuse
S60	Charging unit fuse
S63	Display unit fuse
S67	Convertible roof actuation fuse
S340	Cool box fuse
S341	Water pump fuse
T1f	Single connector, in cupboard, bottom
T3ab	3-pin connector
T6bh	6-pin connector
T17b	17-pin connector, in cupboard, bottom
T32b	32-pin connector
B100	Positive connection 4, in Camper wiring harness
B105	Positive connection 5, in Camper wiring harness



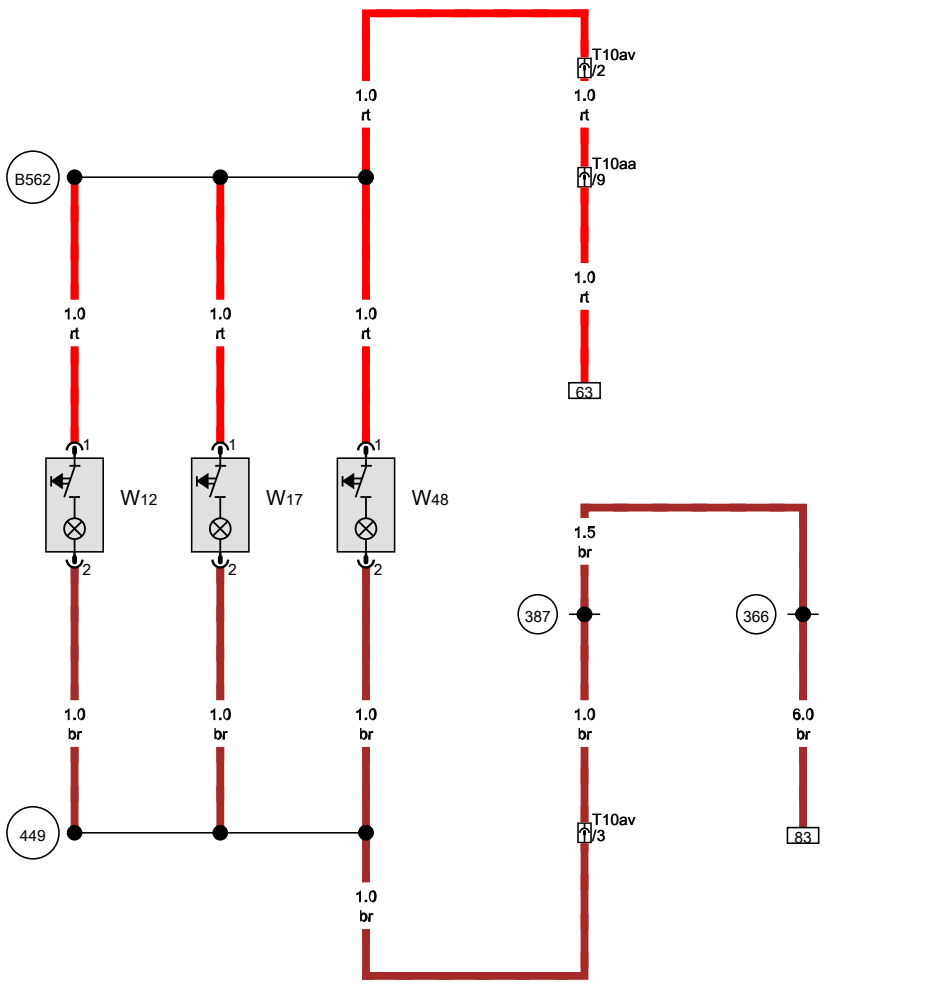
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ge	=	yellow
or	=	orange
rs	=	pink

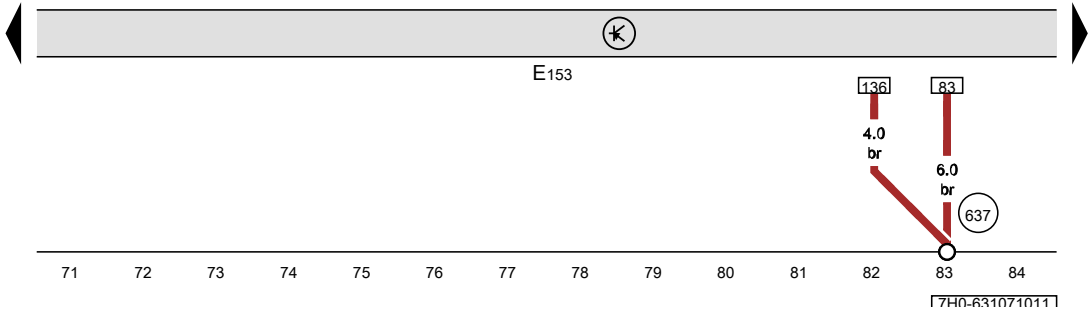


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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rs = pink

DC/AC converter switch, Operating and display unit for camping equipment, Map reading light bulb, DC/AC converter with socket, 12 V - 230 V, Interior socket 2, 230 V, 110 V, DC/AC converter with socket, 12 V - 115 V, Kitchenette light 1, Kitchenette light 2, Kitchenette light 3

E136	DC/AC converter switch
E153	Operating and display unit for camping equipment
K76	Electric socket warning lamp
L34	Map reading light bulb
S206	Fuse 3 (30)
T2ae	2-pin connector, near map reading lamp
T3ah	3-pin connector, on DC/AC converter
T32b	32-pin connector
U13	DC/AC converter with socket, 12 V - 230 V
U17	Interior socket 2, 230 V, 110 V
U27	DC/AC converter with socket, 12 V - 115 V
W57	Kitchenette light 1
W58	Kitchenette light 2
W59	Kitchenette light 3
34	Earth point, under driver seat
448	Earth connection 1, in Camper wiring harness
B312	Positive connection 16 (30), in main wiring harness
B561	Positive connection 1, in Camper wiring harness
*	Only models with DC/AC converter

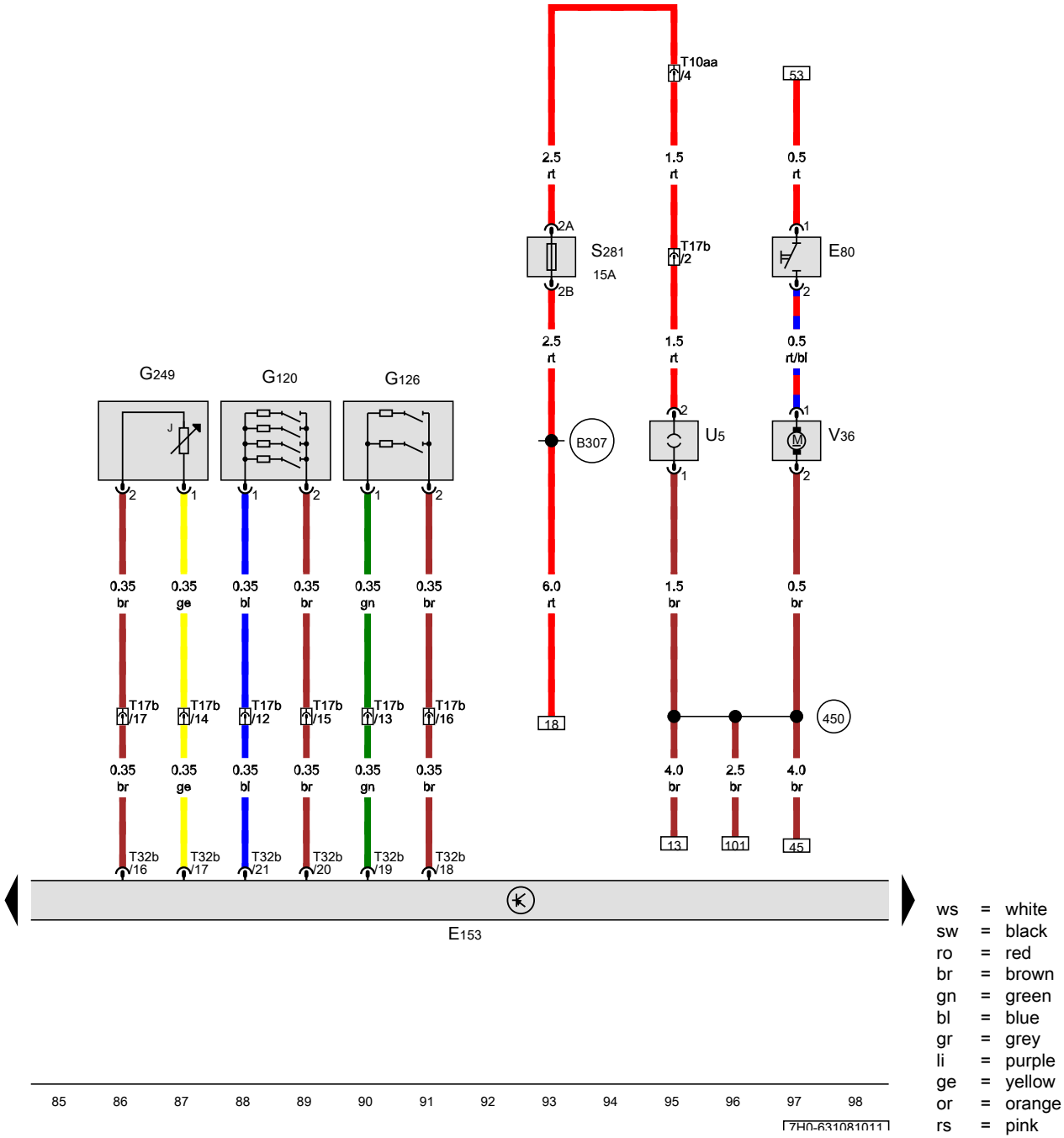




Operating and display unit for camping equipment, Rear right reading light, Right interior light, Rear right interior light

E153	Operating and display unit for camping equipment
T10aa	10-pin connector, in coupling point for front seat, left
T10av	10-pin connector, in coupling point for front seat, right
W12	Rear right reading light
W17	Right interior light
W48	Rear right interior light
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
449	Earth connection 2, in Camper wiring harness
637	Earth point, airbag control unit
B562	Positive connection 2, in Camper wiring harness

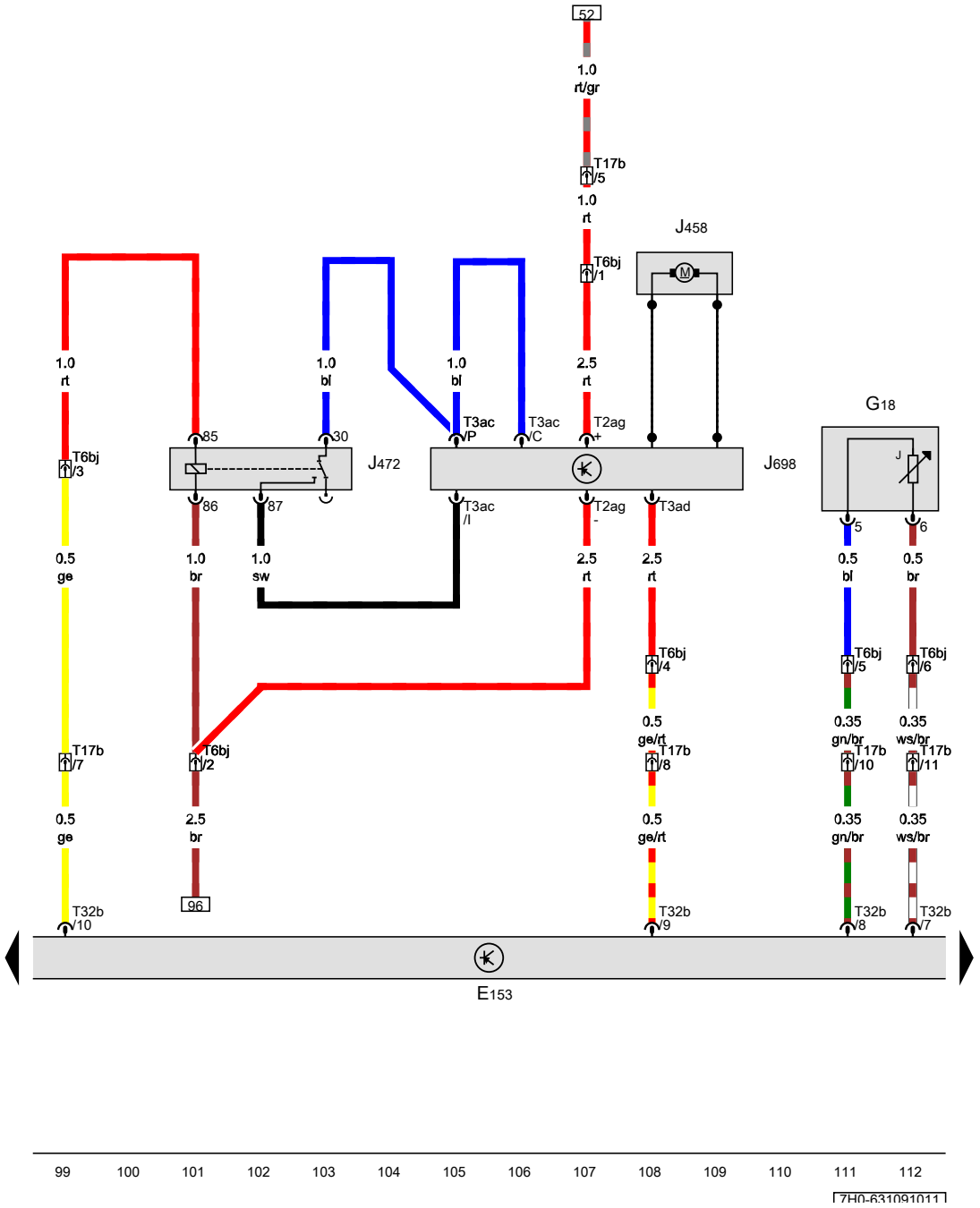
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li	=	purple
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rs	=	pink



Water pump switch, Operating and display unit for camping equipment, Water level sender, Waste water level sender, Ambient temperature sender 2, Electric socket 3 fuse, 12 V socket, Coolant pump

E80	Water pump switch
E153	Operating and display unit for camping equipment
G120	Water level sender
G126	Waste water level sender
G249	Ambient temperature sender 2
S281	Electric socket 3 fuse
T10aa	10-pin connector, in coupling point for front seat, left
T17b	17-pin connector, in cupboard, bottom
T32b	32-pin connector
U5	12 V socket
V36	Coolant pump
450	Earth connection 3, in Camper wiring harness
B307	Positive connection 11 (30), in main wiring harness

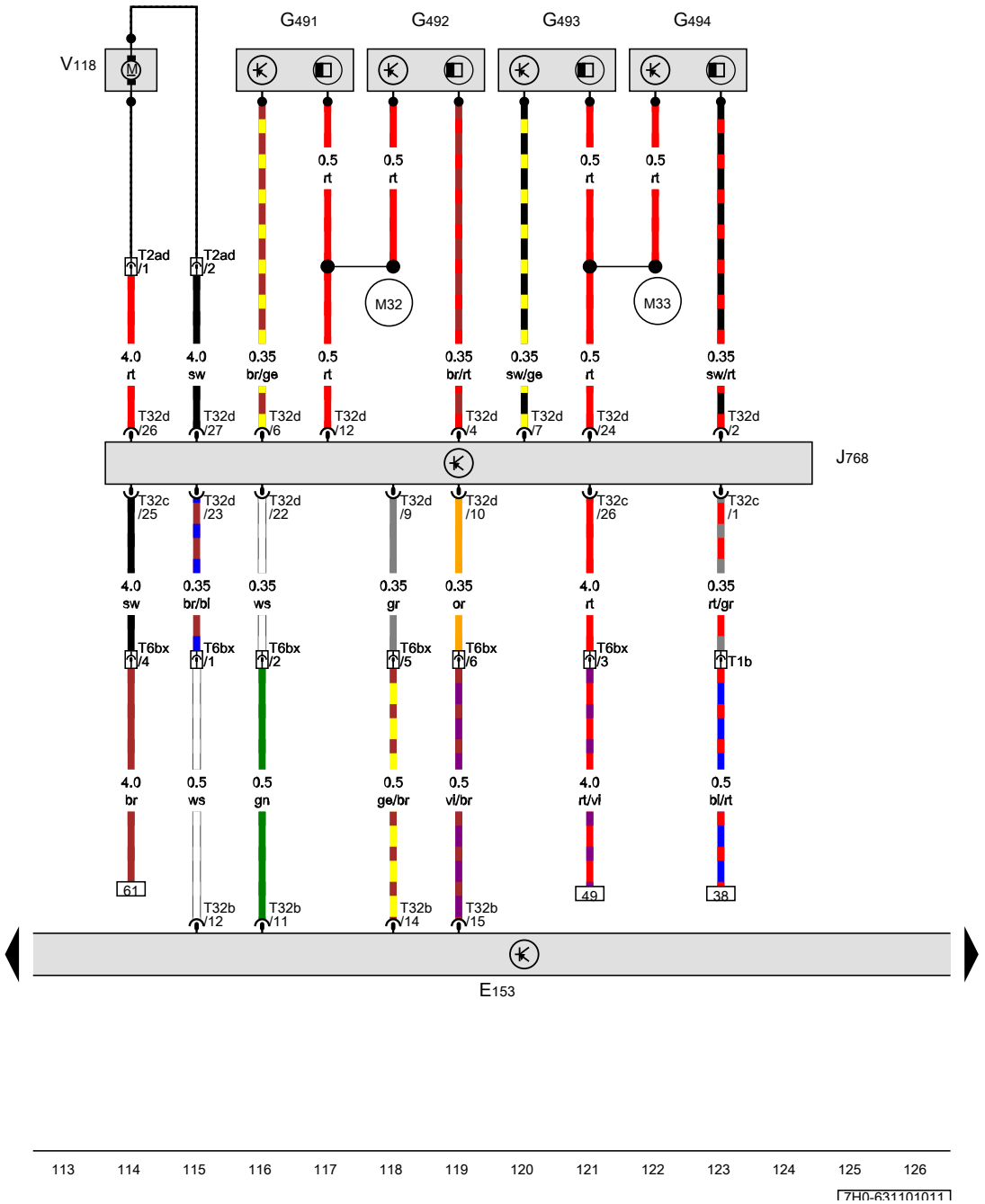
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, Temperature sensor, Refrigerator compressor, Refrigerator compressor relay, Refrigerator box

E153	Operating and display unit for camping equipment
G18	Temperature sensor
J458	Refrigerator compressor
J472	Refrigerator compressor relay
J698	Refrigerator box
T2ag	2-pin connector
T3ac	3-pin connector
T3ad	3-pin connector
T6bj	6-pin connector, near refrigerator box
T17b	17-pin connector, in cupboard, bottom
T32b	32-pin connector

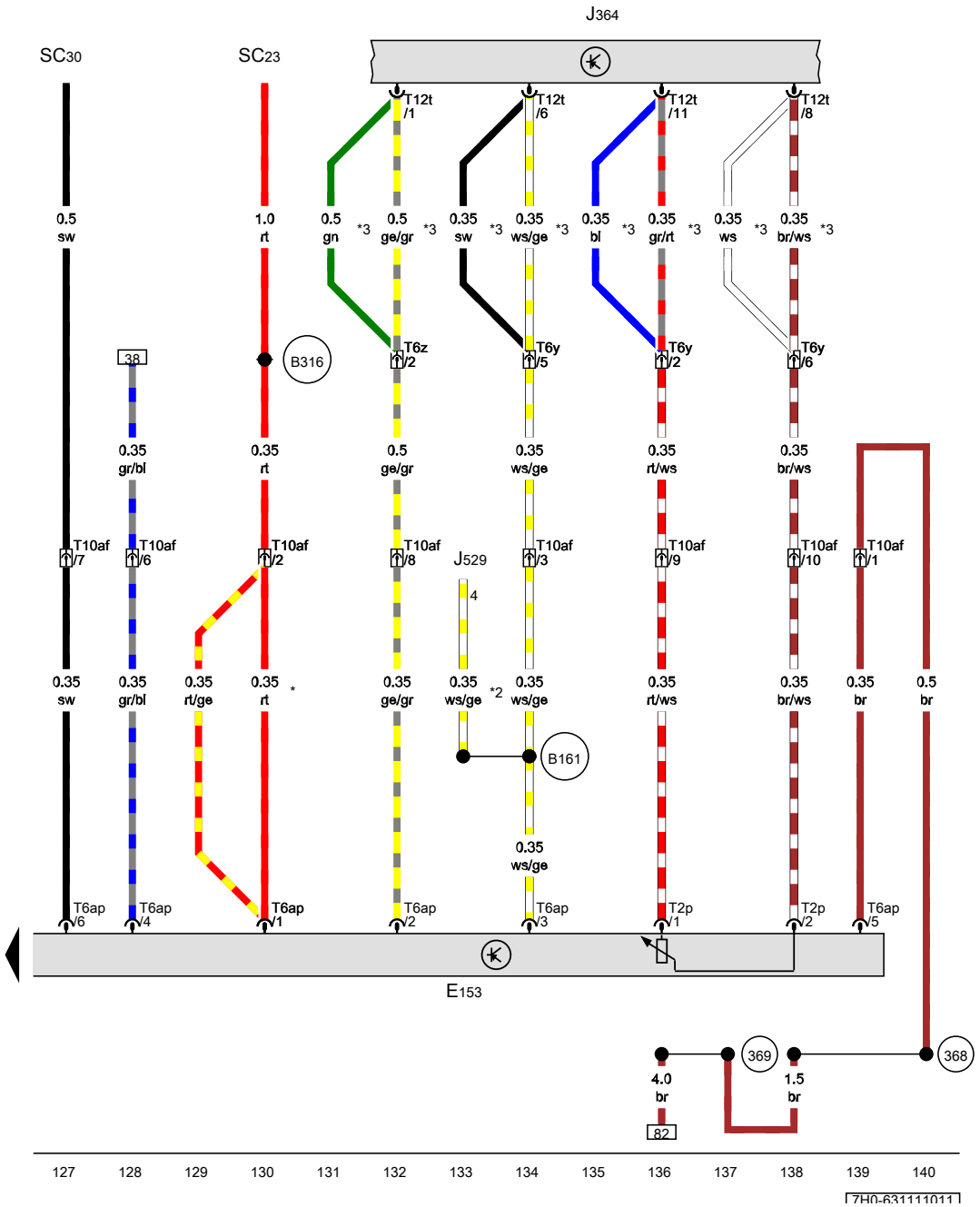
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ro	=	red
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Operating and display unit for camping equipment, Roof hydraulics control unit, Convertible roof actuation hydraulic pump

E153	Operating and display unit for camping equipment
G491	Roof hydraulics sender 1
G492	Roof hydraulics sender 2
G493	Roof hydraulics sender 3
G494	Roof hydraulics sender 4
J768	Roof hydraulics control unit
T1b	Single connector, near roof hydraulics control unit
T2ad	2-pin connector, black
T6bx	6-pin connector, near roof hydraulics control unit
T32b	32-pin connector
T32c	32-pin connector
T32d	32-pin connector
V118	Convertible roof actuation hydraulic pump
M32	Connection 1, in wiring harness for roof operation
M33	Connection 2, in wiring harness for roof operation

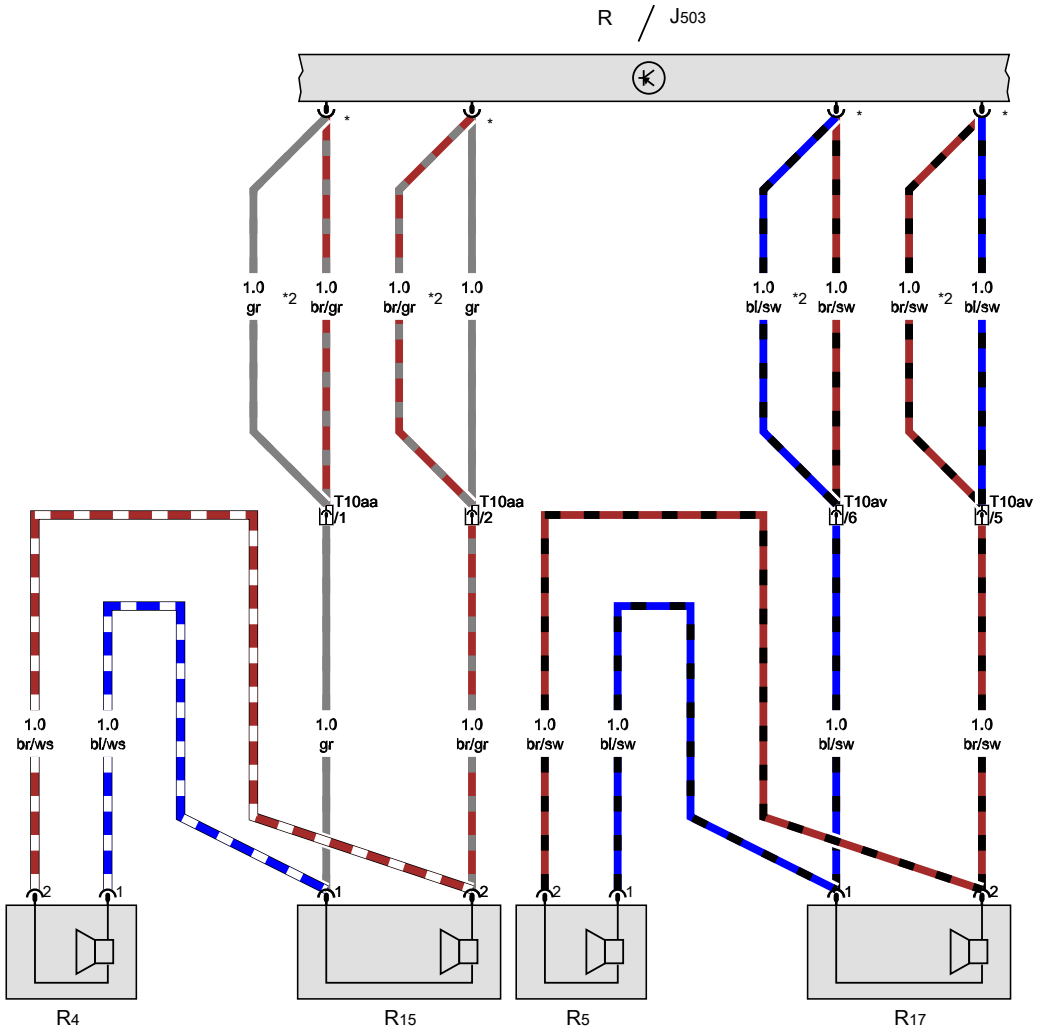
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rs	=	pink



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Operating and display unit for camping equipment, Auxiliary heater control unit

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J529	Anti-theft and tilt system control unit
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector
T6ap	6-pin connector
T6y	6-pin connector, Coupling point under front passenger seat
T6z	6-pin connector, Coupling point under front passenger seat
T10af	10-pin connector, in left A-pillar coupling station
T12t	12-pin connector
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
B161	Connection (ATA), in interior wiring harness
B316	Positive connection 2 (30a) in main wiring harness
*	From November 2007
*2	For models with anti-theft alarm system
*3	Wiring colour depends on equipment



Radio, Rear left loudspeaker, Rear right loudspeaker, Rear left bass loudspeaker, Rear right bass loudspeaker, 10-pin connector, 10-pin connector

J503	Control unit with display for radio and navigation
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T10aa	10-pin connector, dark brown
T10av	10-pin connector, brown
*	see applicable current flow diagram for radio/ radio navigation system
*2	From November 2007

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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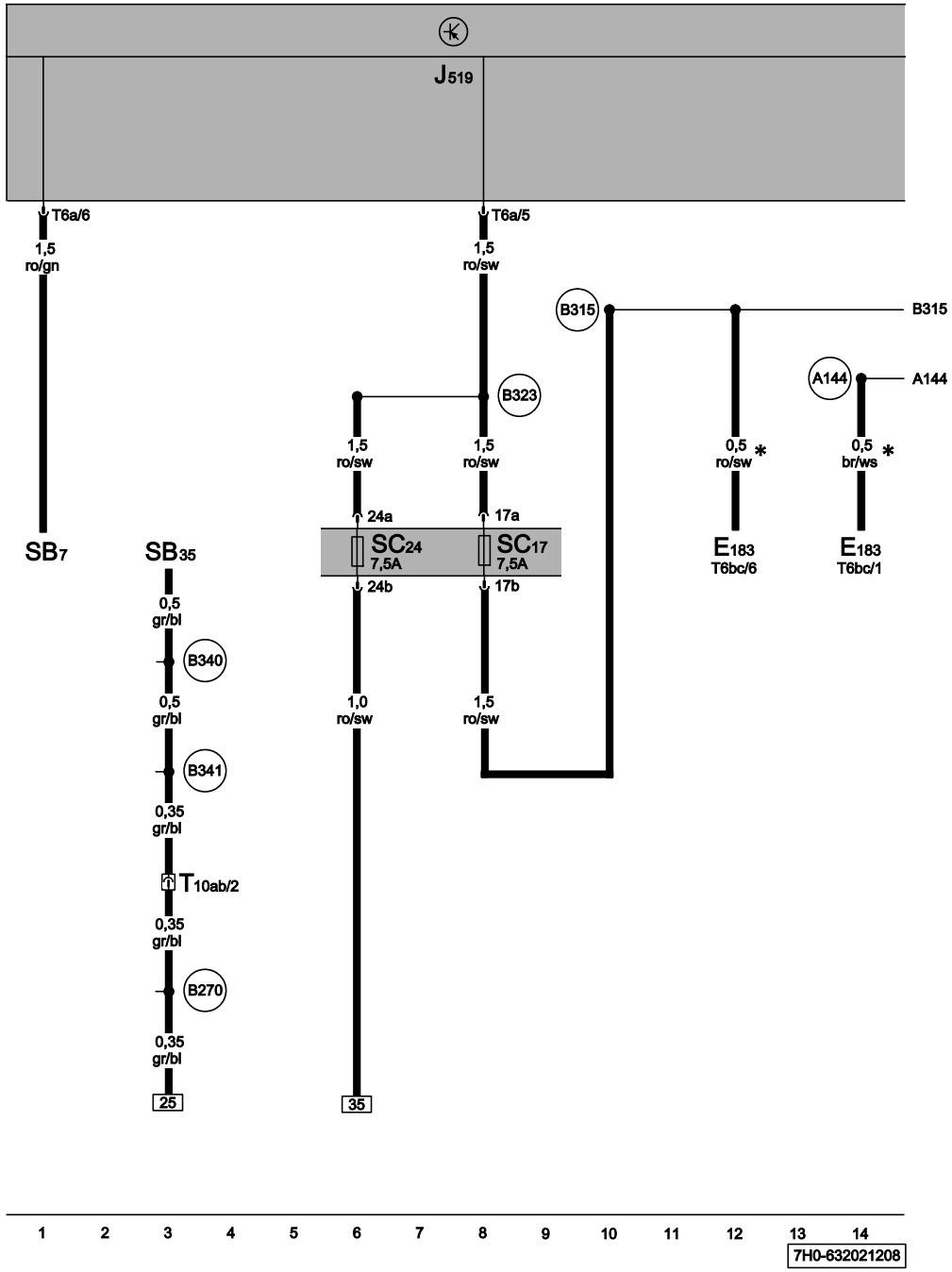
Interior lighting for box-type delivery van or hybrid vehicle with roof console in headlining

⇒ **Interior light concept standard 9CU**
⇒ **Basic equipment, multivan Startline, multivan Beach A8B/A8J/A9A**
⇒ **Flat roof 3R0**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

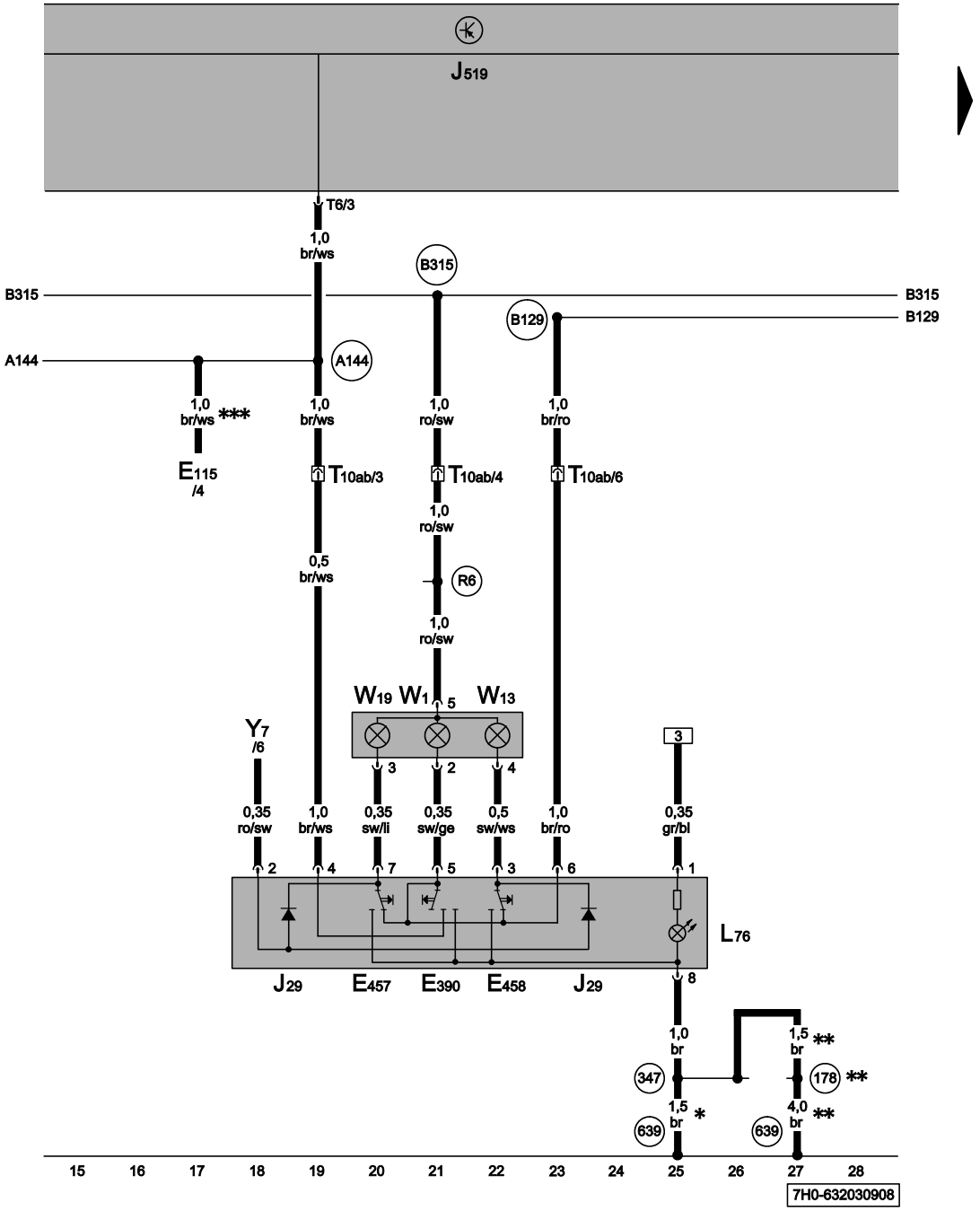
⇒ guided fault finding



Fuses, interior monitor deactivation switch

E183	Interior monitor deactivation switch
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ

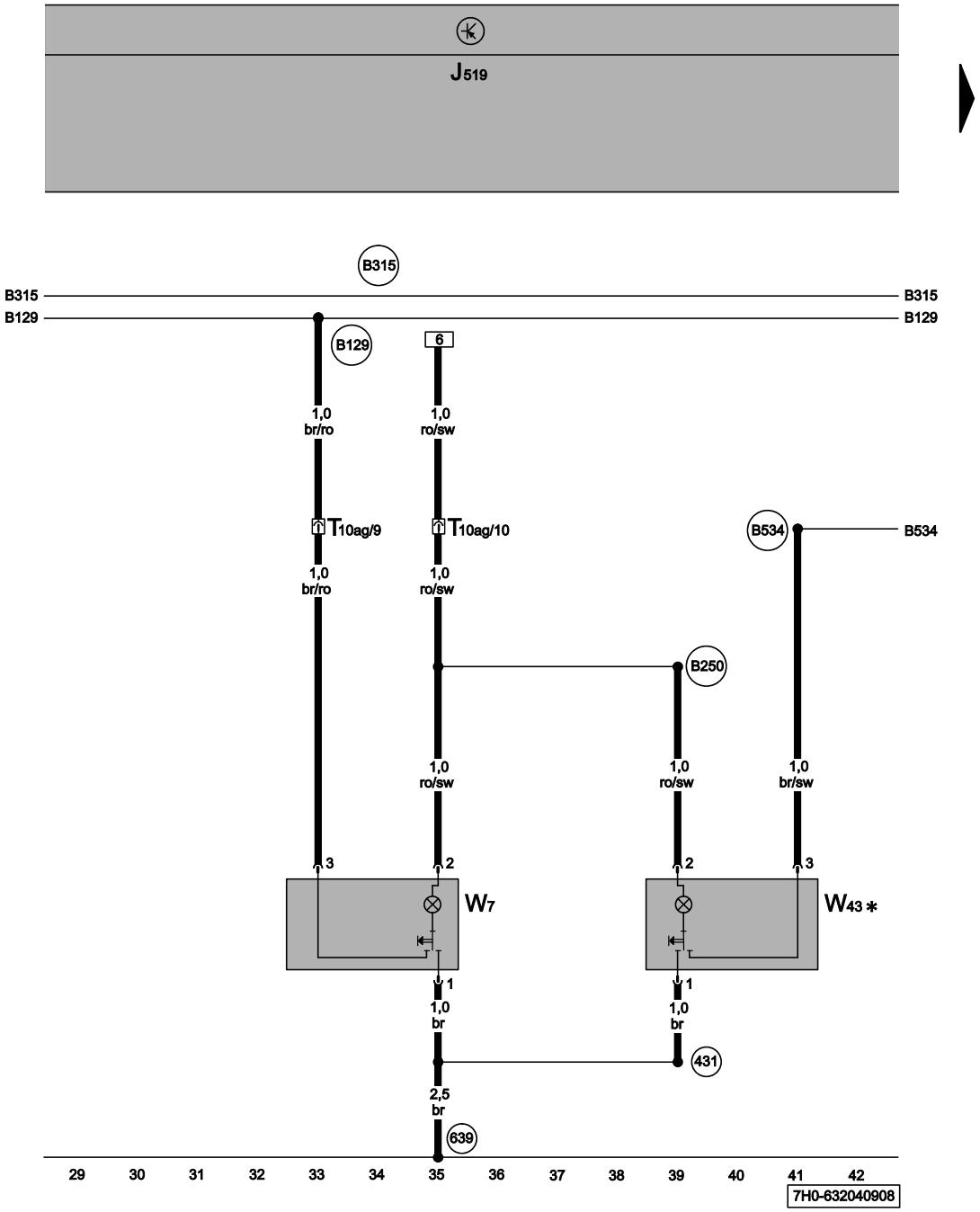
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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

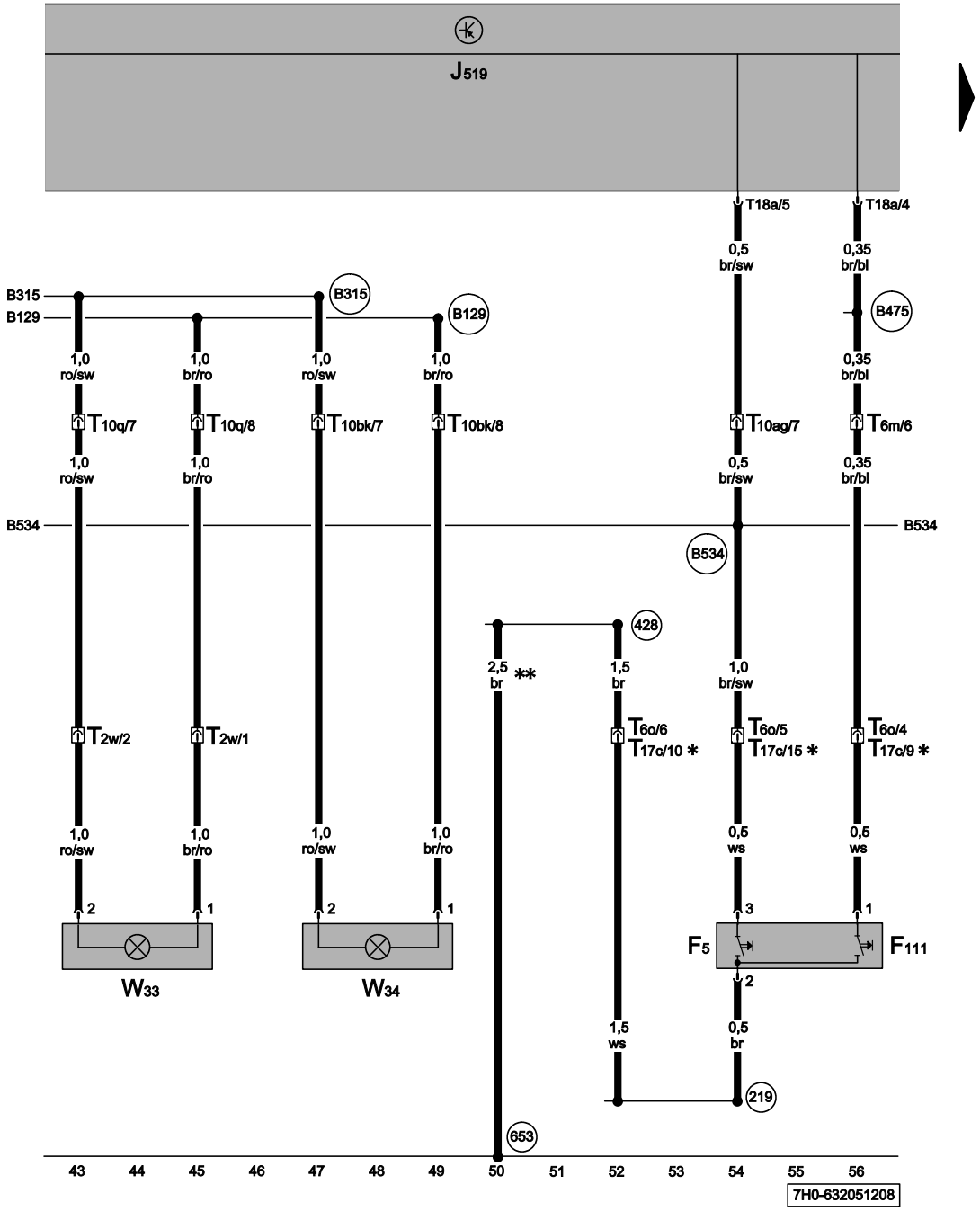
E115	Interior light switch (taxi)
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
T6	6-pin connector, black
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	for models with taxi equipment only, applicable from November 2007



ws = white
sw = black
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Interior light, centre and rear (for models with sliding doors only)

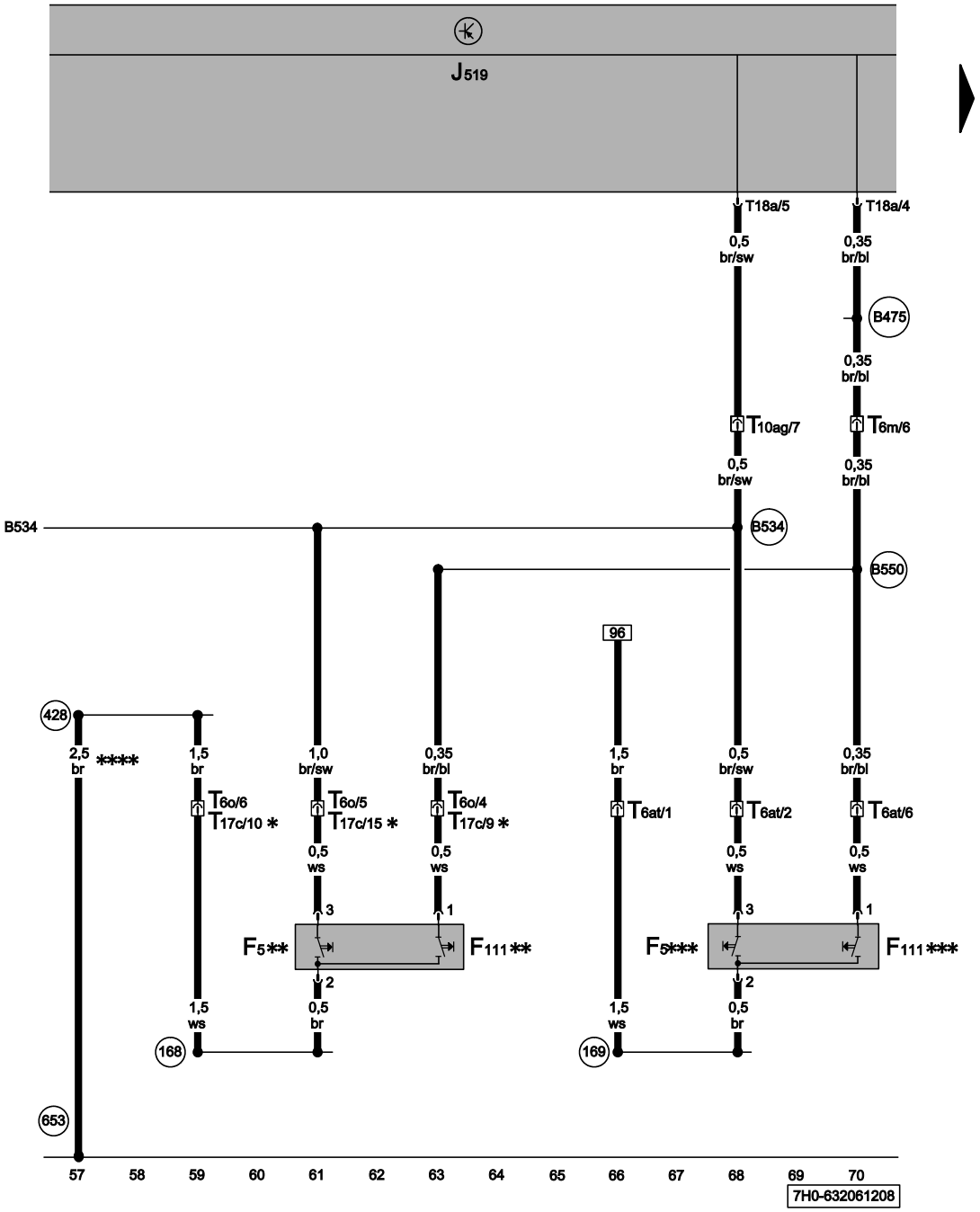
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	depends on equipment



ws = white
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rs = pink

Luggage compartment light switch (for models with rear lid only), rear entry lights

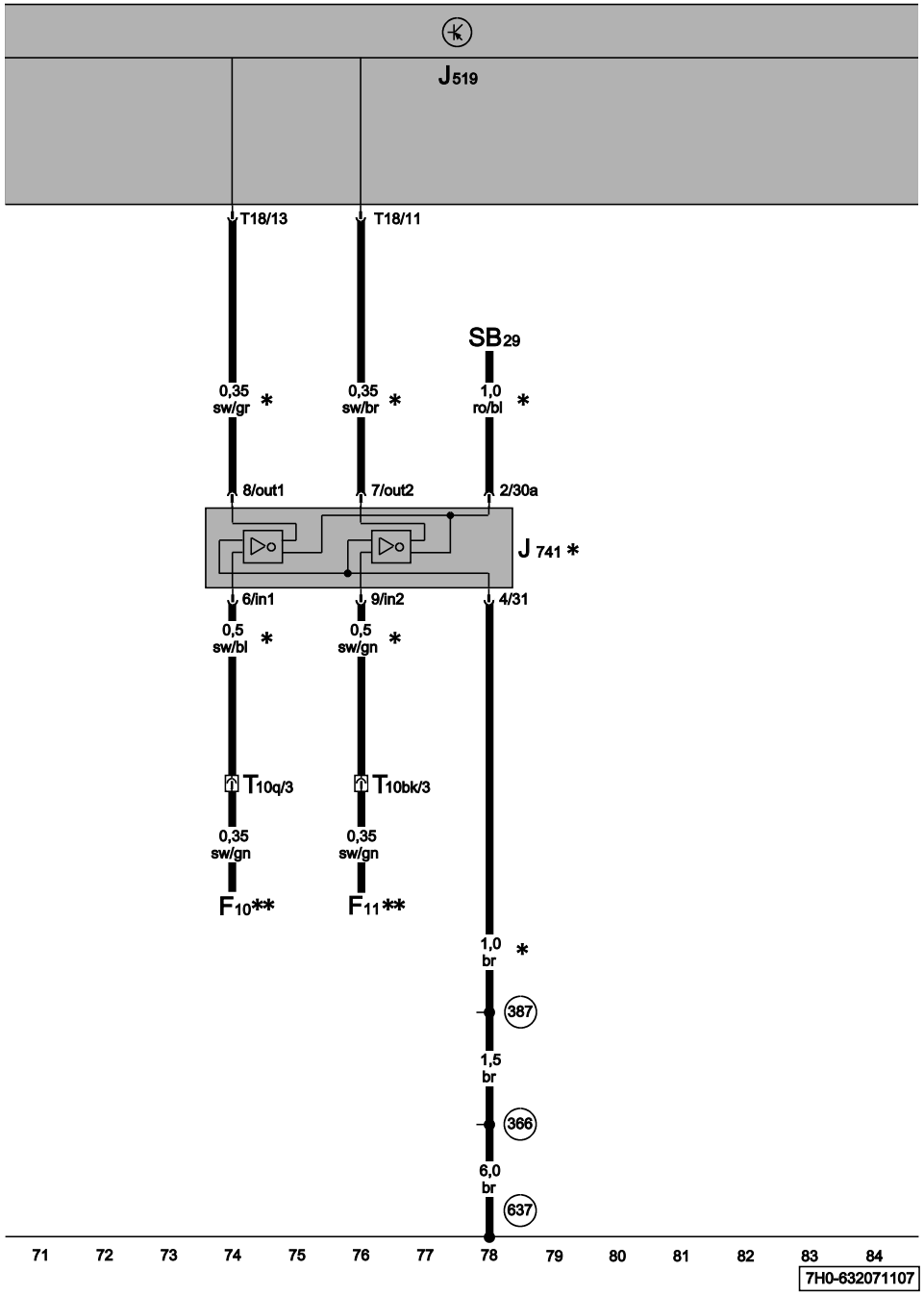
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	cross-section depends on equipment



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br = brown
gn = green
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gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

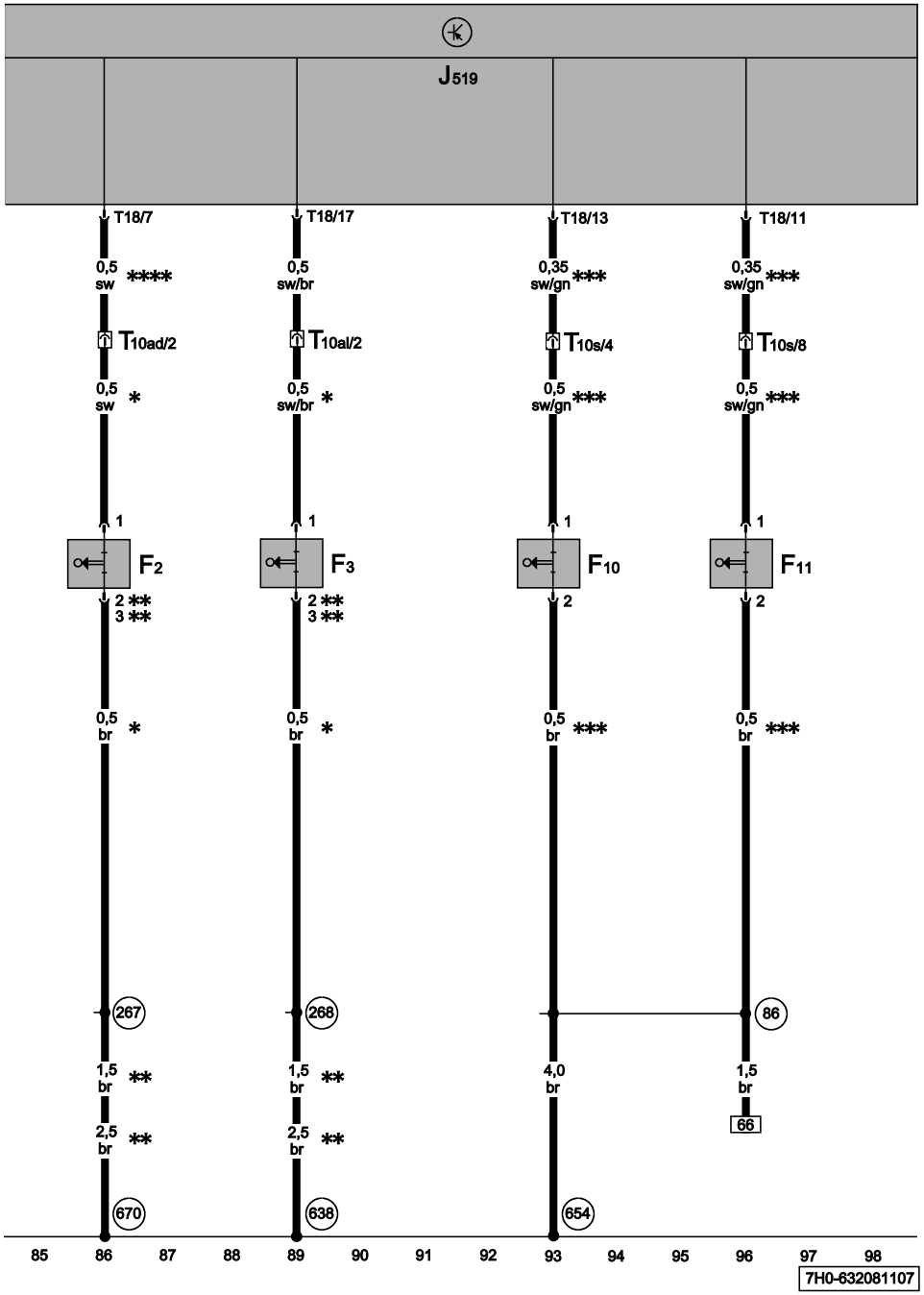
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
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rs = pink

Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

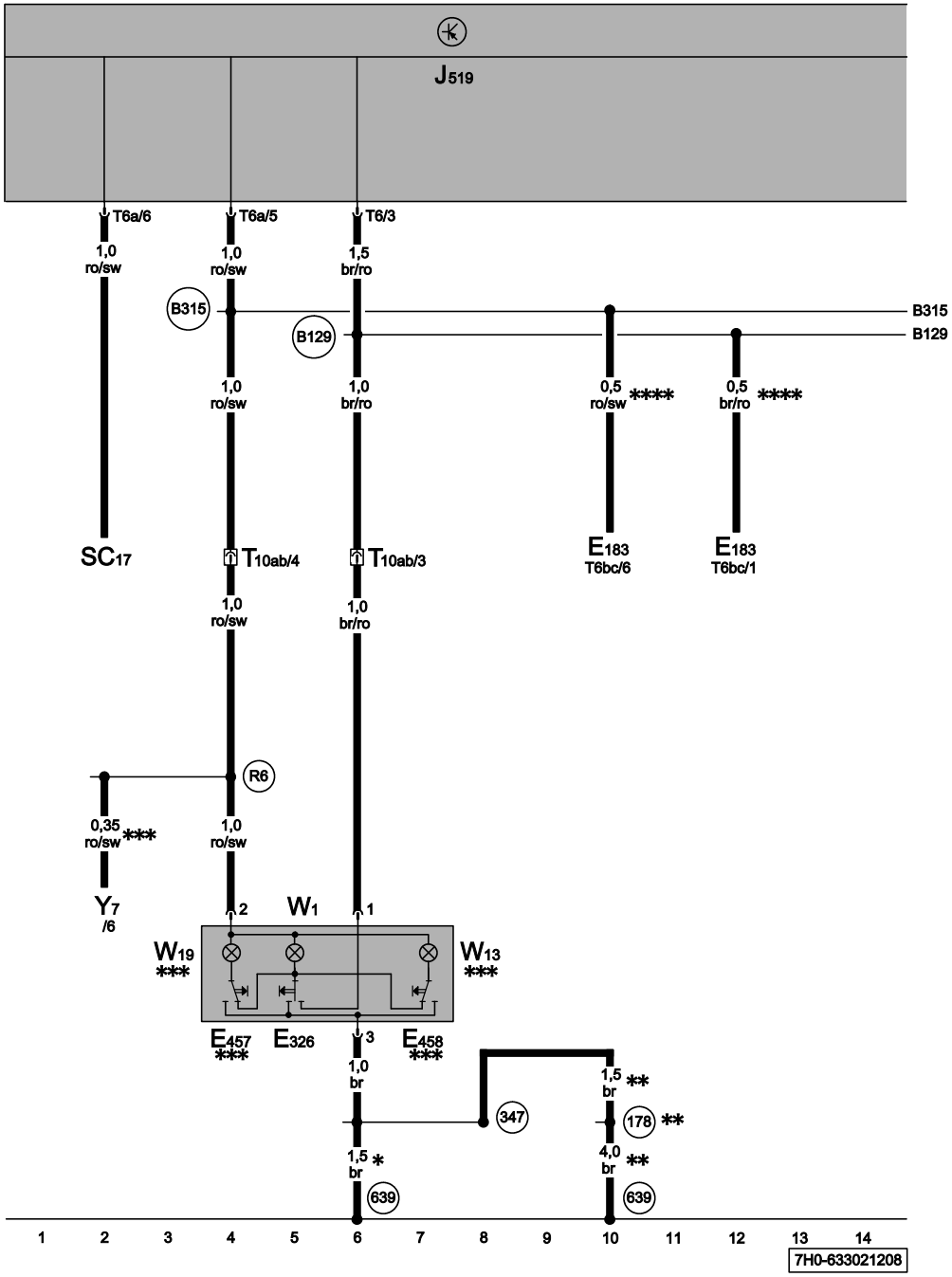
Interior lighting for box-type delivery van or hybrid vehicle without roof console in headlining

⇒ **Interior light concept standard 9CU**
⇒ **Basic equipment, multivan Startline, multivan Beach A8B/A8J/A9A**
⇒ **Flat roof 3R0**
⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

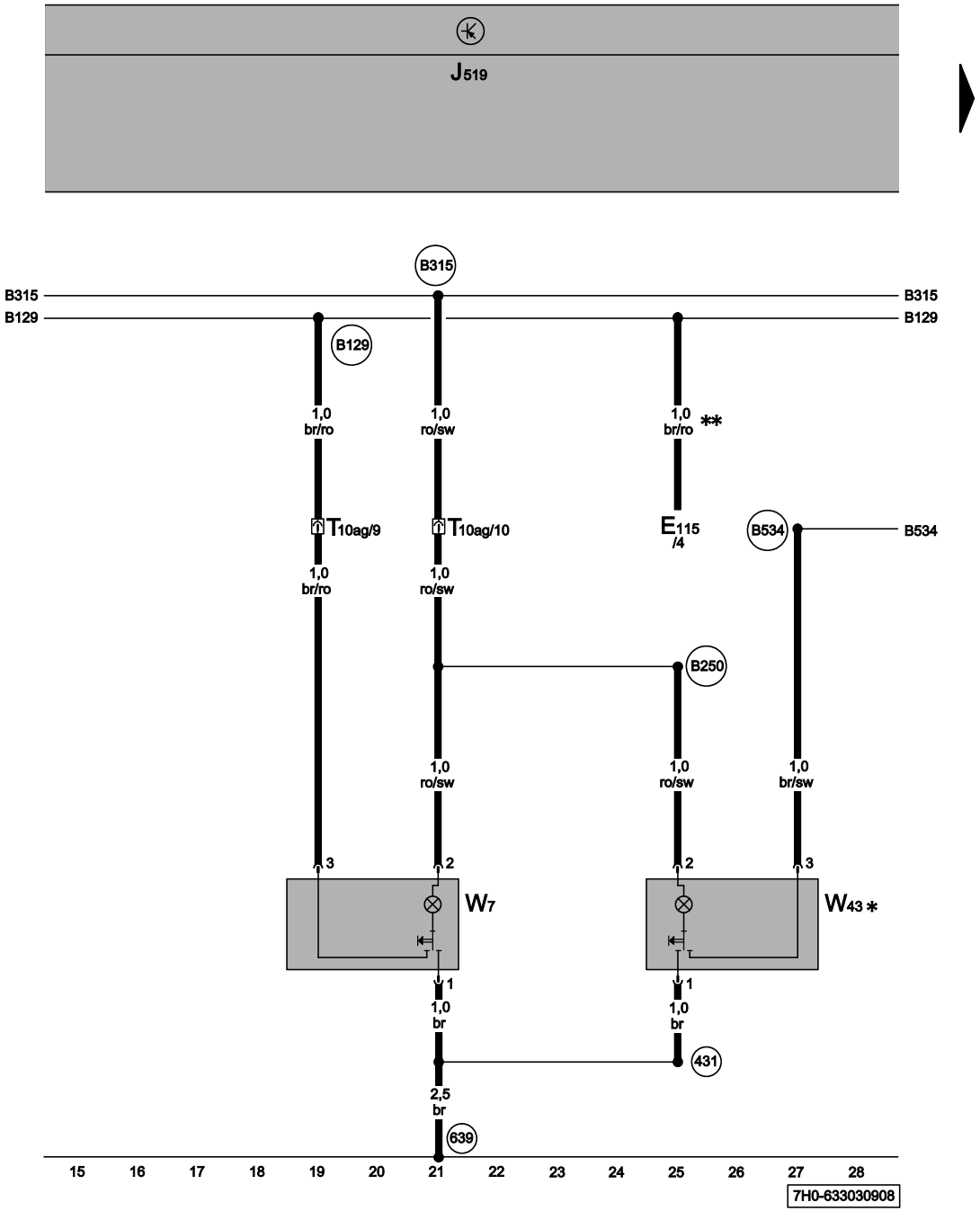
⇒ guided fault finding



ws = white
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ro = red
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rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

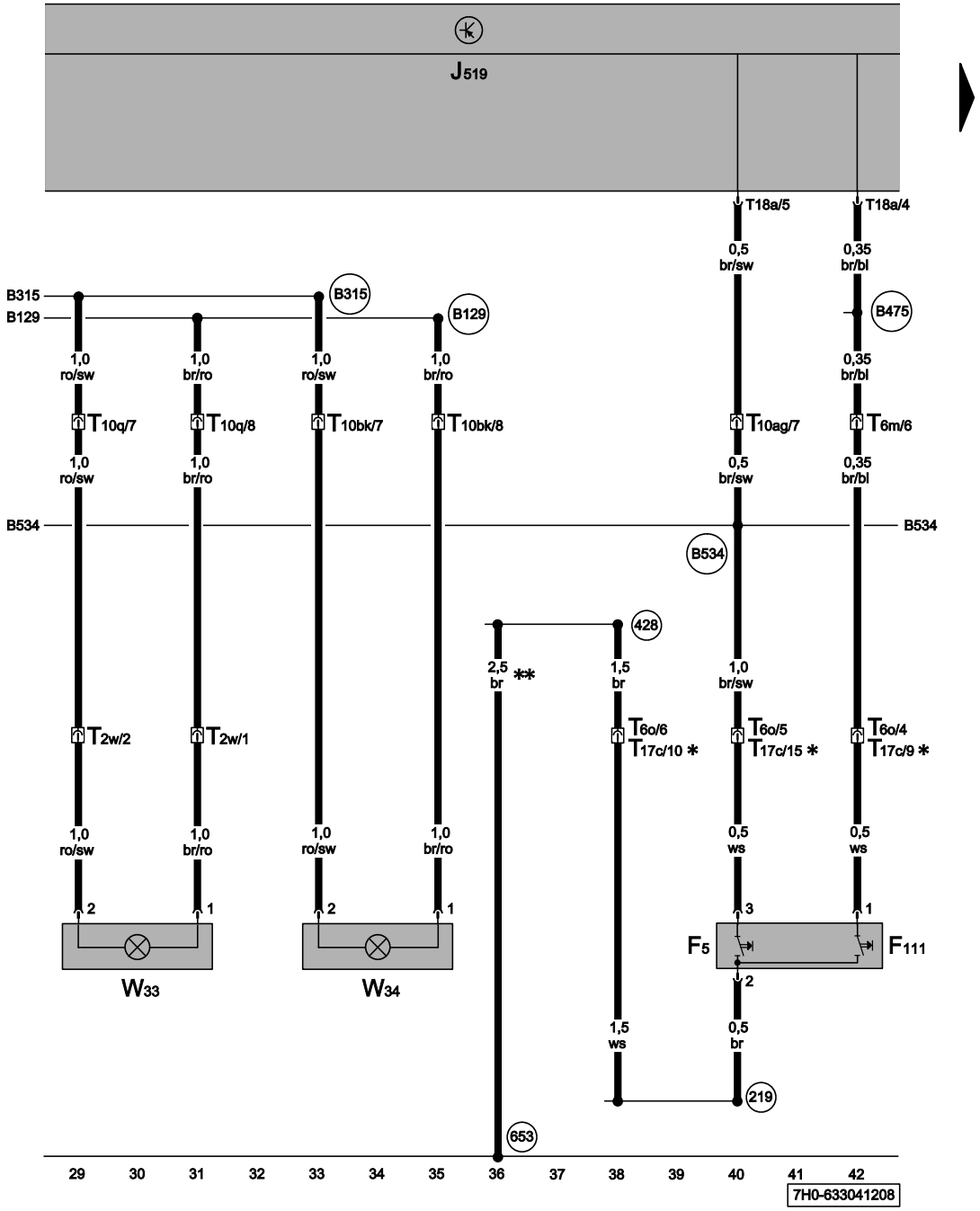
E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	depends on equipment
****	for models with anti-theft alarm system only 7AL/7AQ



Interior light, front and rear (for models with sliding doors only)

E115	Interior light switch (taxi)
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	depends on equipment
**	for models with taxi equipment only, applicable from November 2007

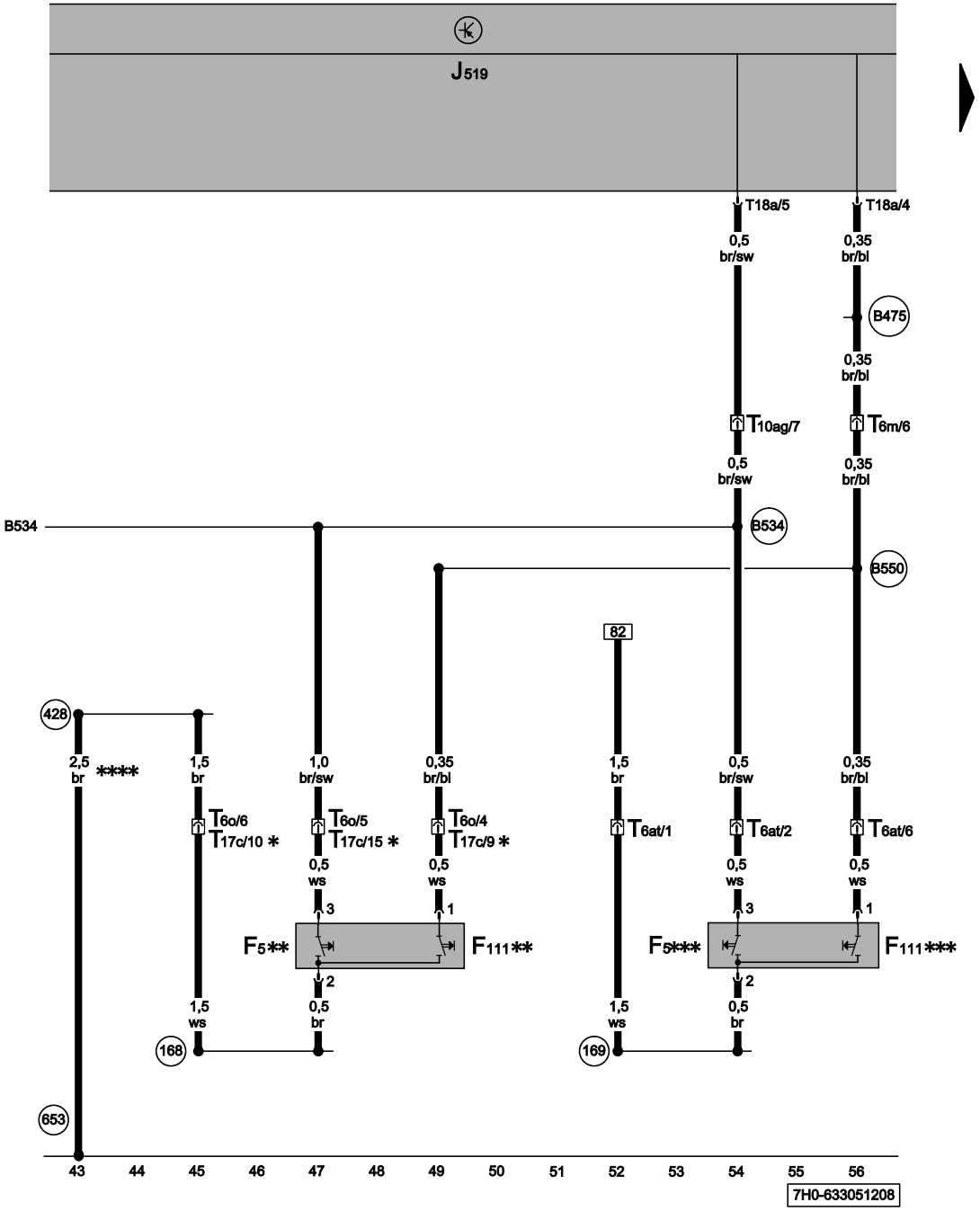
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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Luggage compartment light switch (for models with rear lid only), rear entry lights

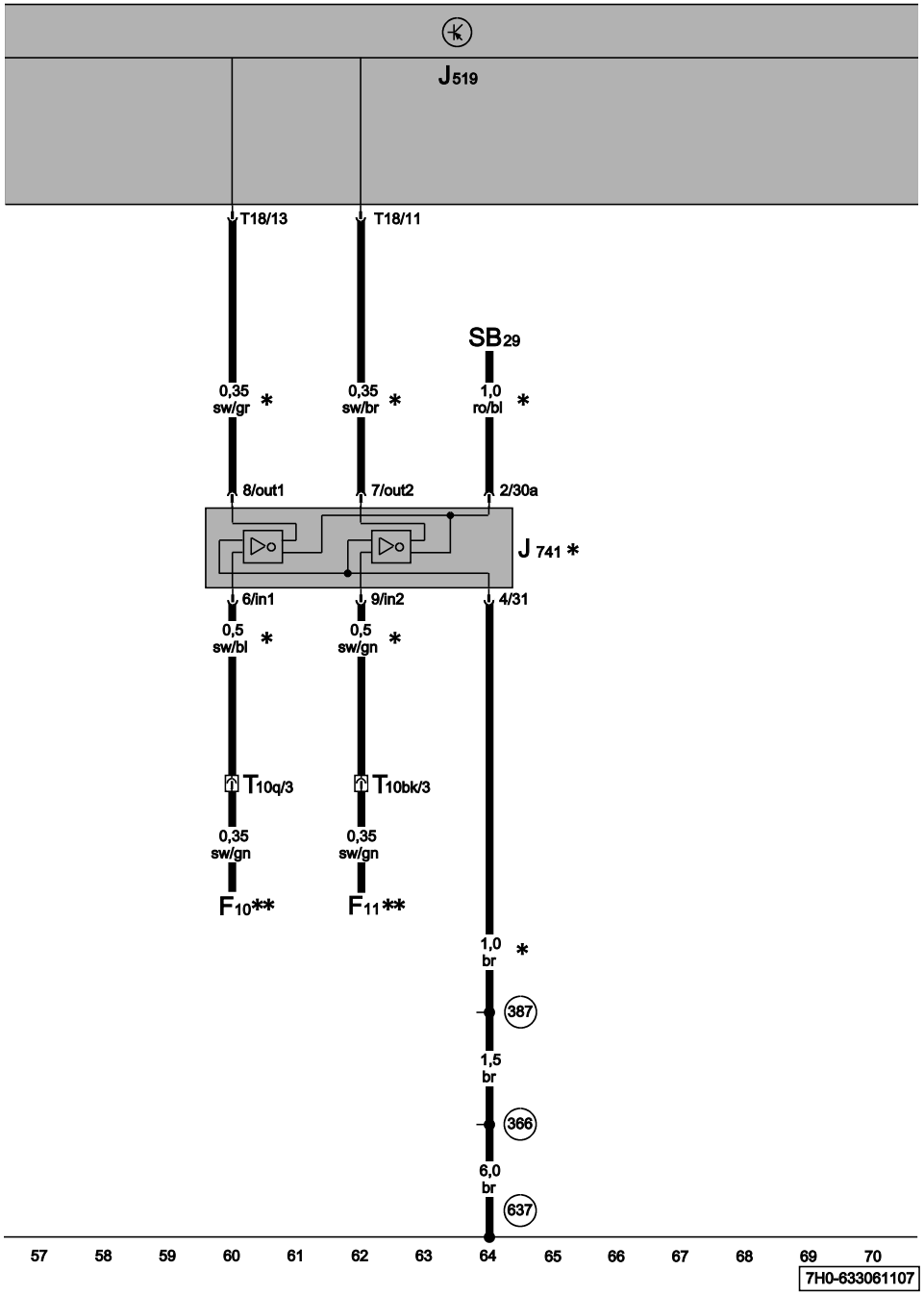
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	applicable from November 2006
**	cross-section depends on equipment



ws = white
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Luggage compartment light switch (for models with rear wing doors only)

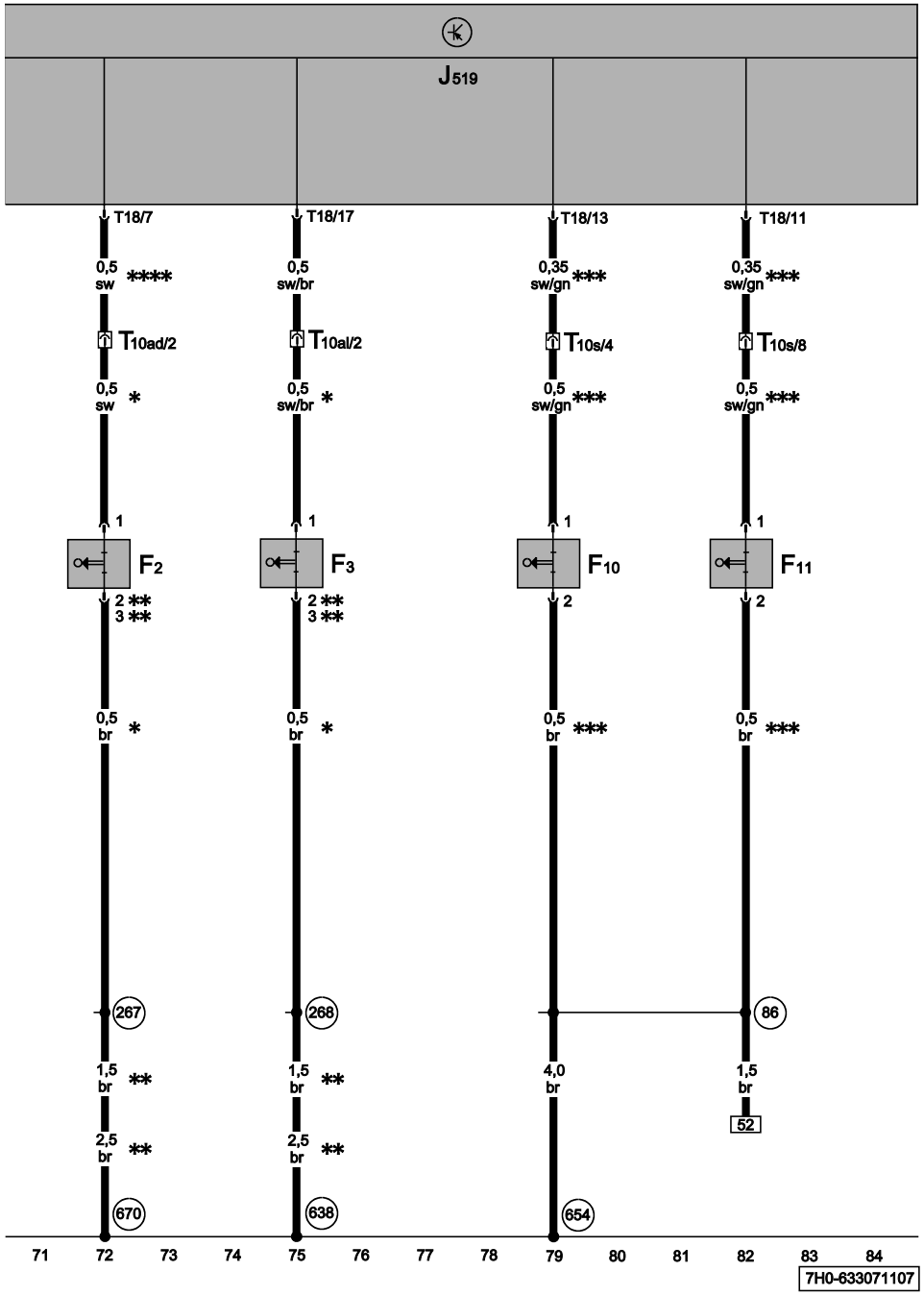
F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	applicable from November 2006
**	On door lock in left rear wing door
***	on door lock in right rear wing door, is dropped from November 2006
****	cross-section depends on equipment



Dual signal inverter relay

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
*	for models with mechanical sliding door and anti-theft alarm system only
**	⇒ Current Flow Diagram: convenience system

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
654	Earth point, right D-pillar
670	Earth point 2, left A-pillar
*	for models without central locking only
**	depends on equipment
***	for models with mechanical sliding door and without anti-theft alarm system only
****	for models without taxi equipment only, from November 2007 for all levels of equipment

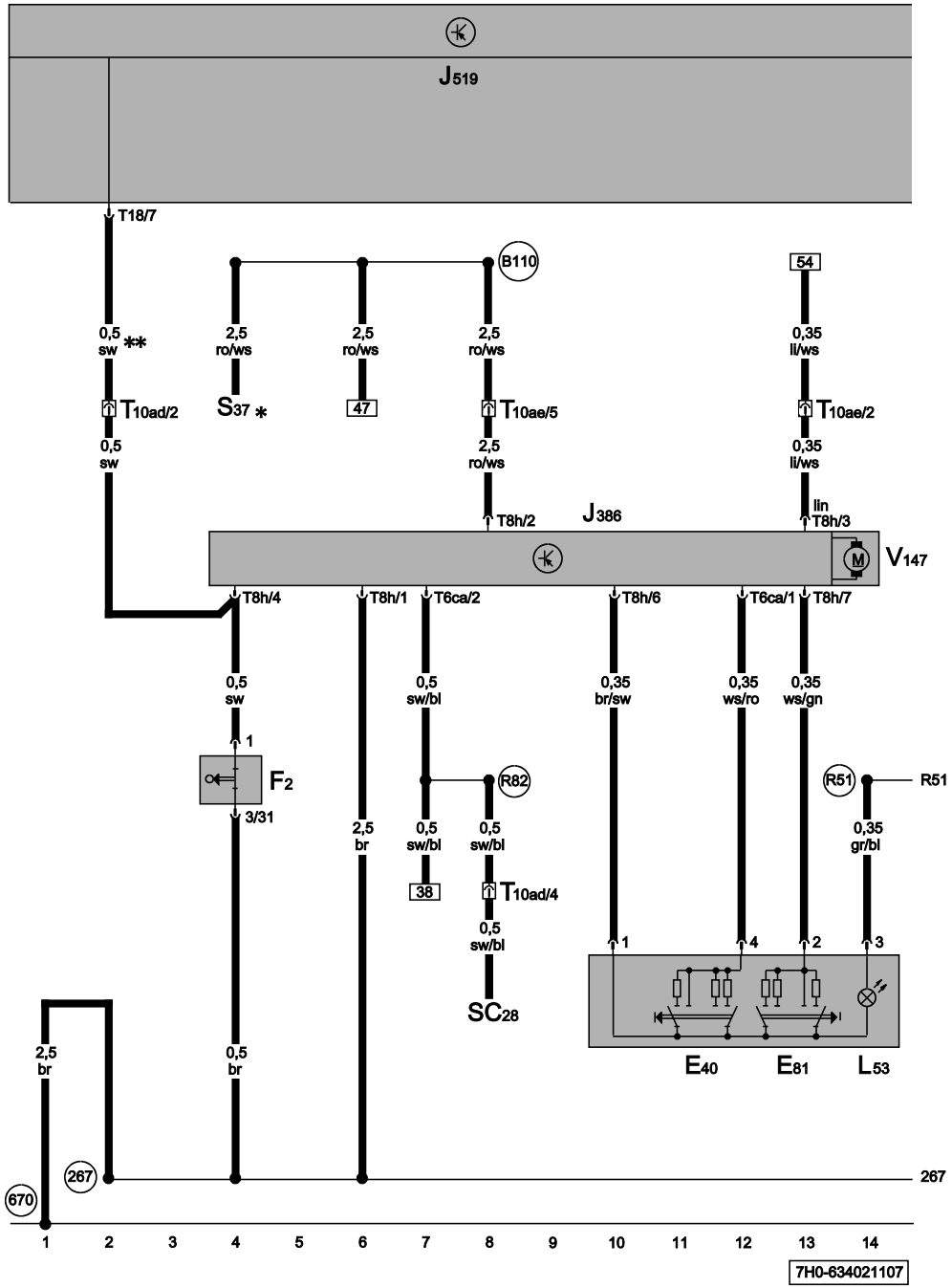
Exterior mirror, electric

⇒ **Window regulator, electric**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

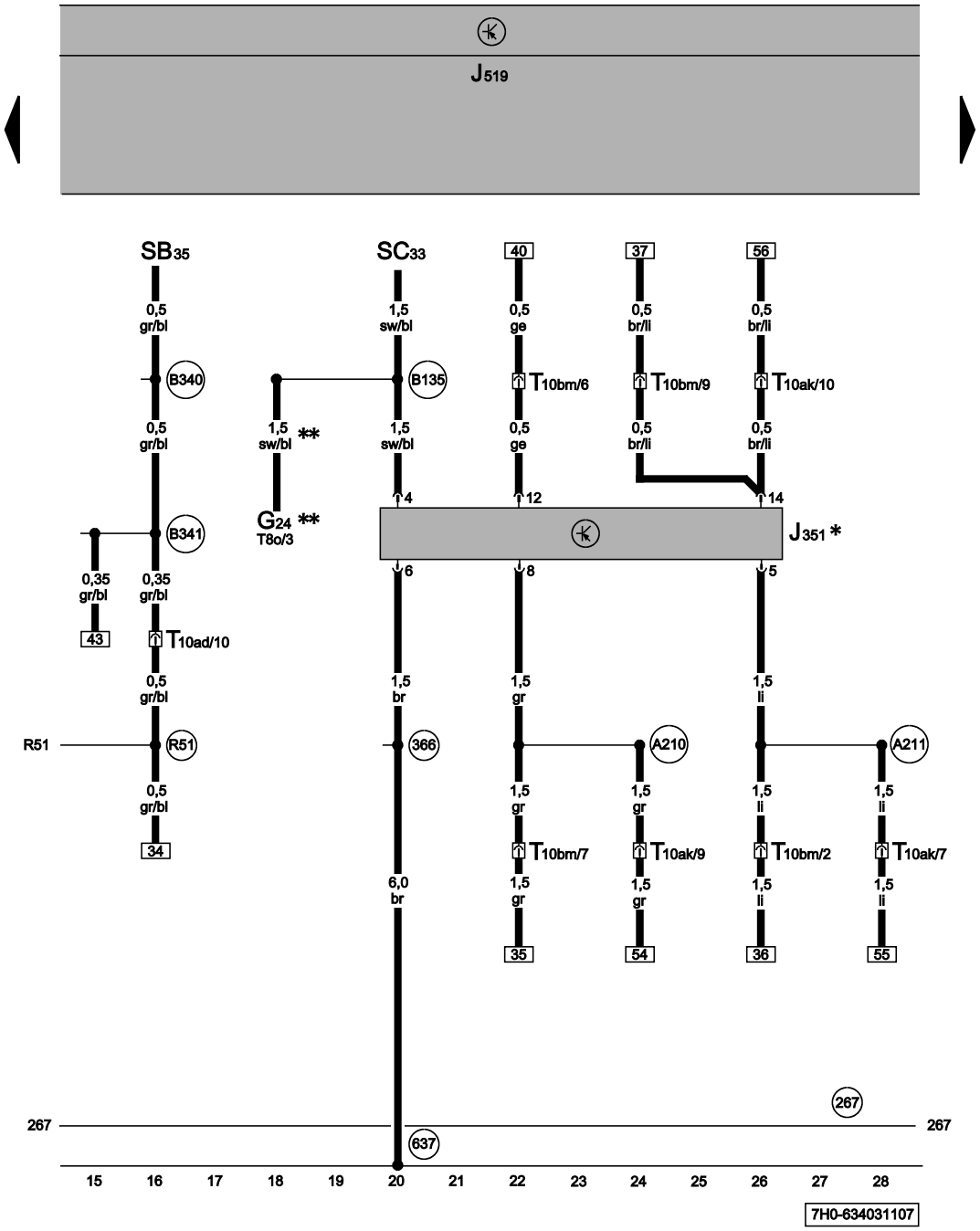
⇒ guided fault finding



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Fuses, front window regulator switch in driver door, driver door control unit, driver side window regulator motor, driver door contact switch

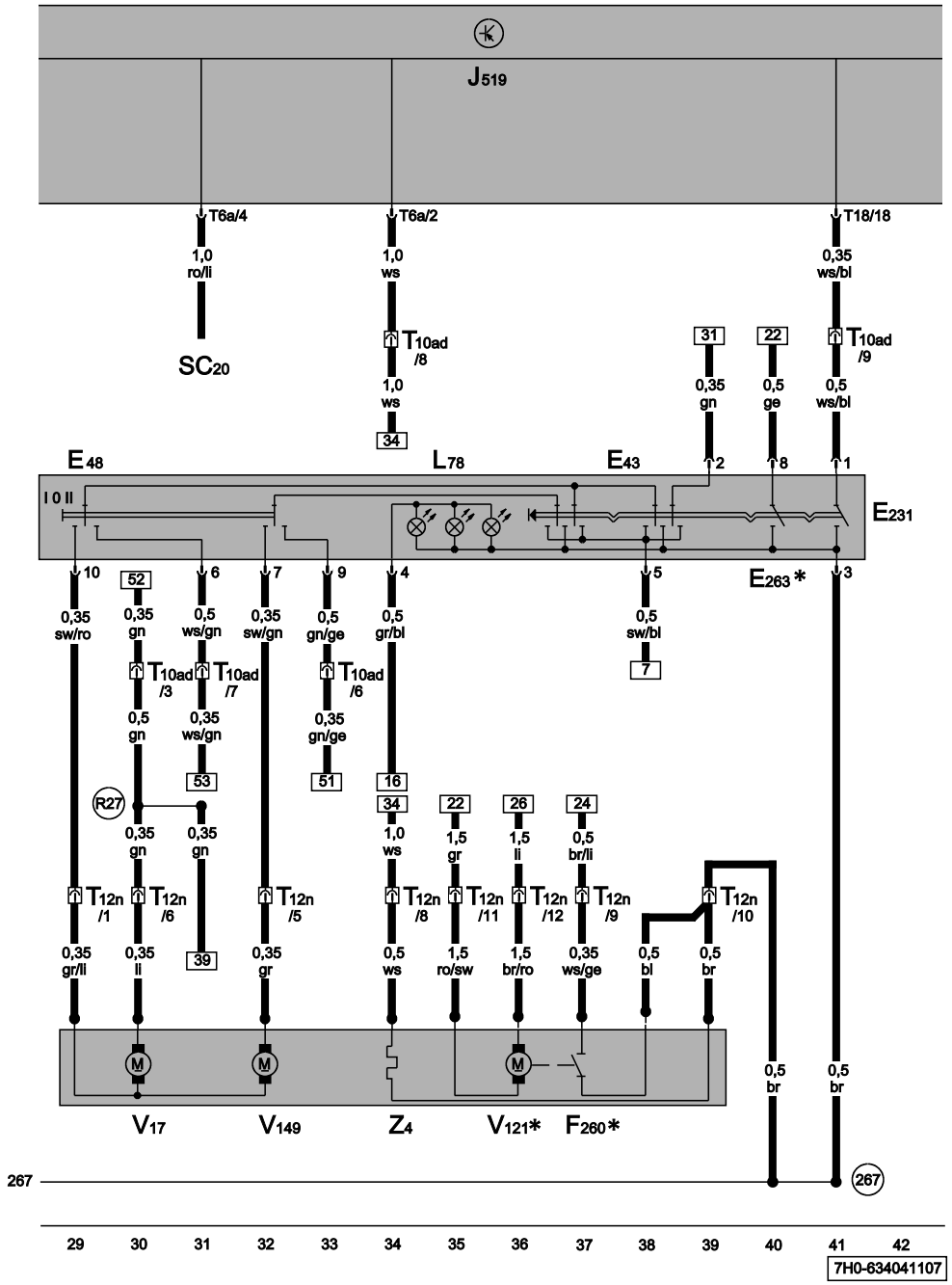
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
F2	Driver door contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T6ca	6-pin connector
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T18	18-pin connector, black
V147	Driver side window regulator motor
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations
**	for models without taxi equipment only, from November 2007 for all levels of equipment



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Fuses, folding exterior mirror control unit

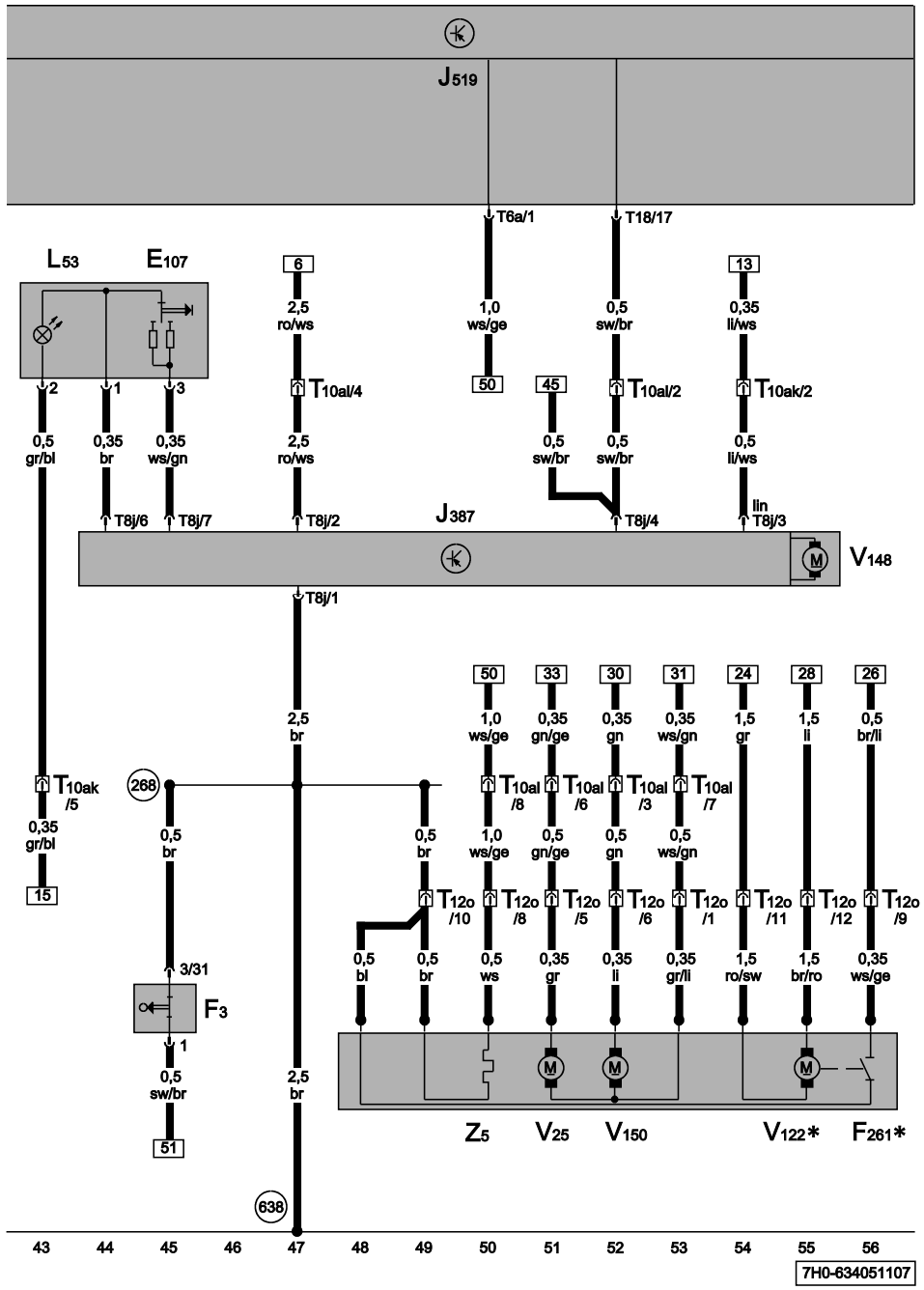
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	for models with folding exterior mirror only
**	for models with tachograph only



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Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
R27	Connection (mirror adjustment), in driver door wiring harness
*	for models with folding exterior mirror only



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li = purple
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rs = pink

Window regulator switch, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F3	Front passenger door contact switch
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T8j	8-pin connector
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only

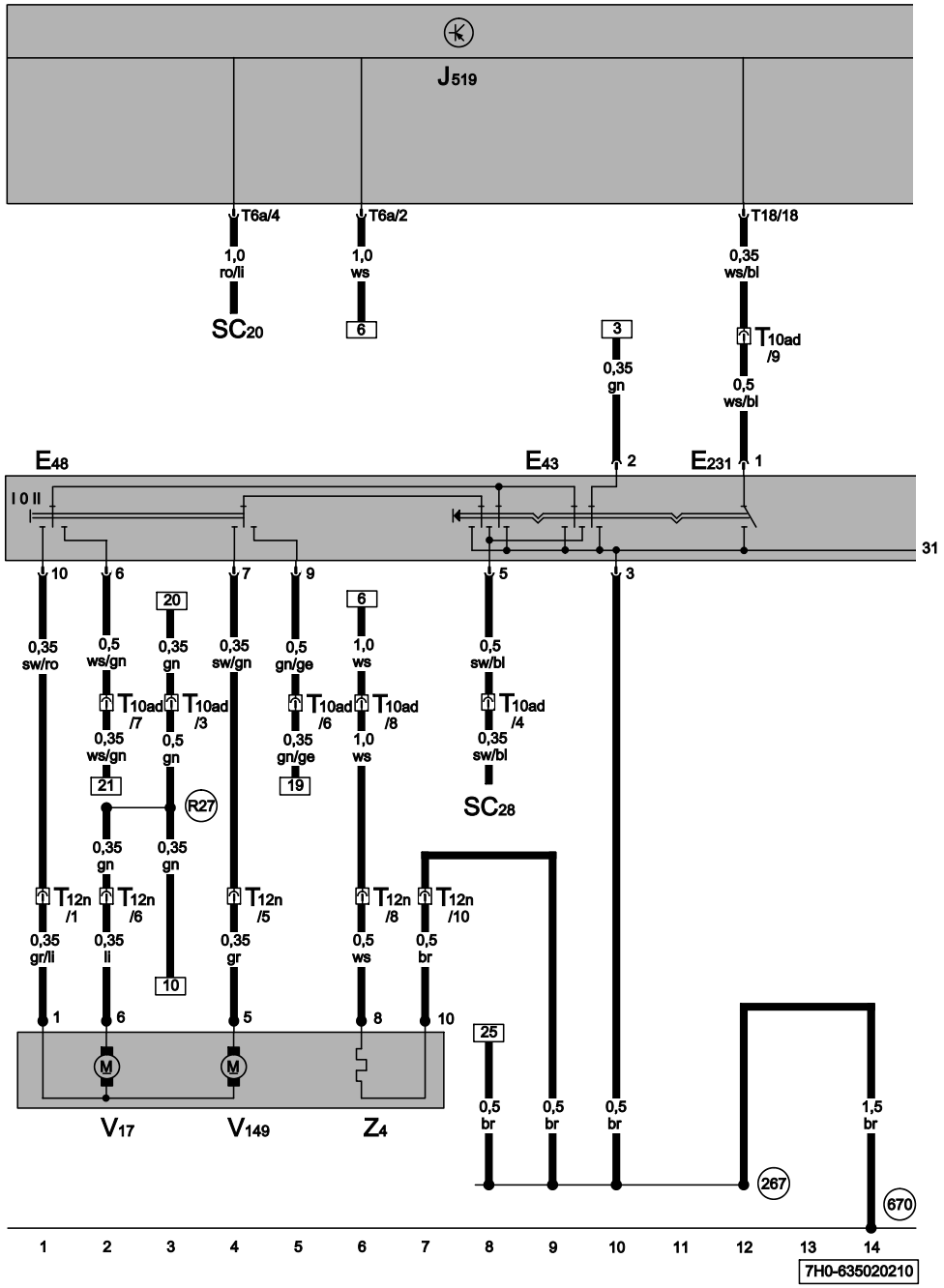
Exterior mirror, electric

⇒ **without electric window regulator**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

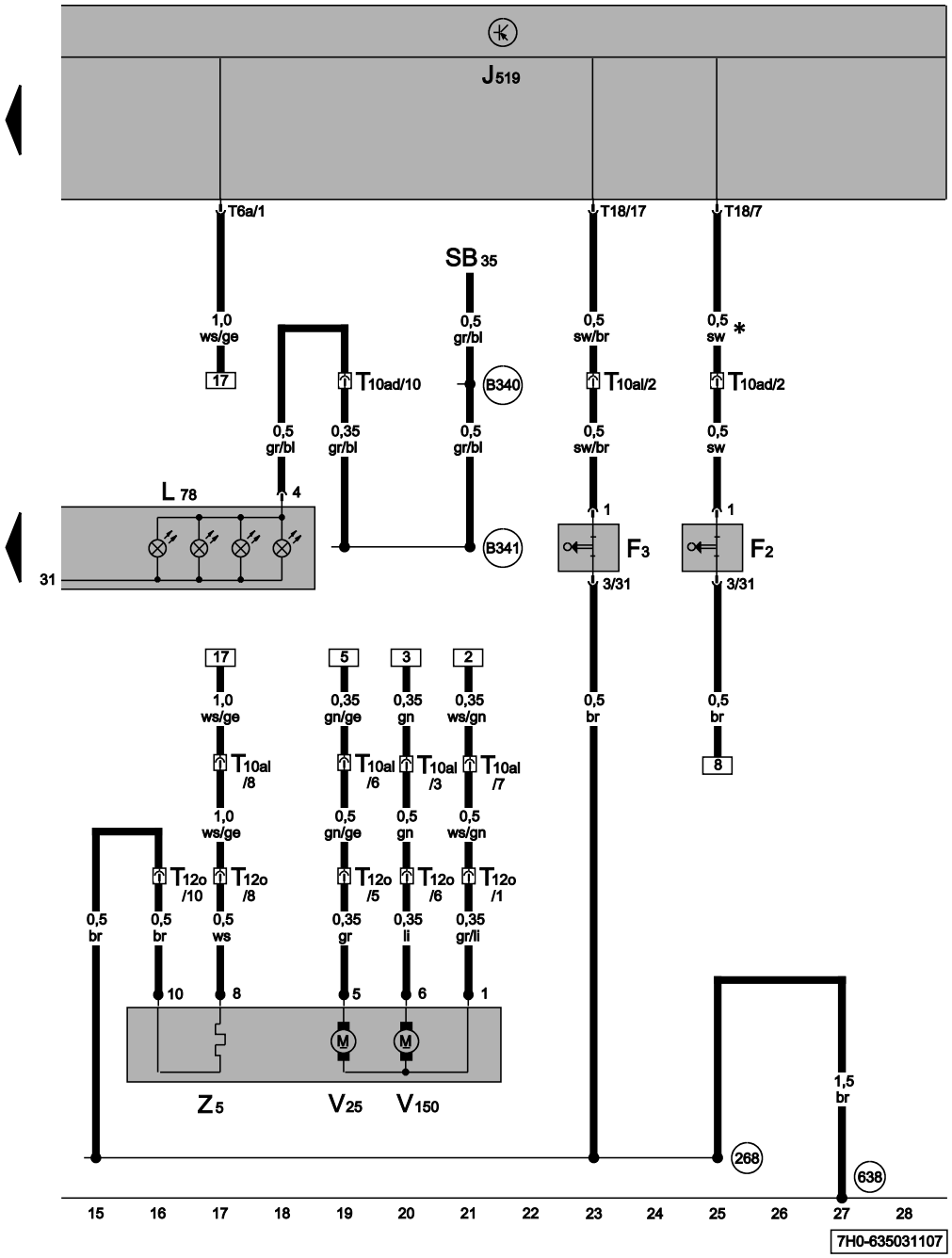
⇒ guided fault finding



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Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Driver door contact switch, front passenger door contact switch, front passenger side mirror adjustment motor, front passenger side heated exterior mirror

F2	Driver door contact switch
F3	Front passenger door contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models without taxi equipment only, from November 2007 for all levels of equipment

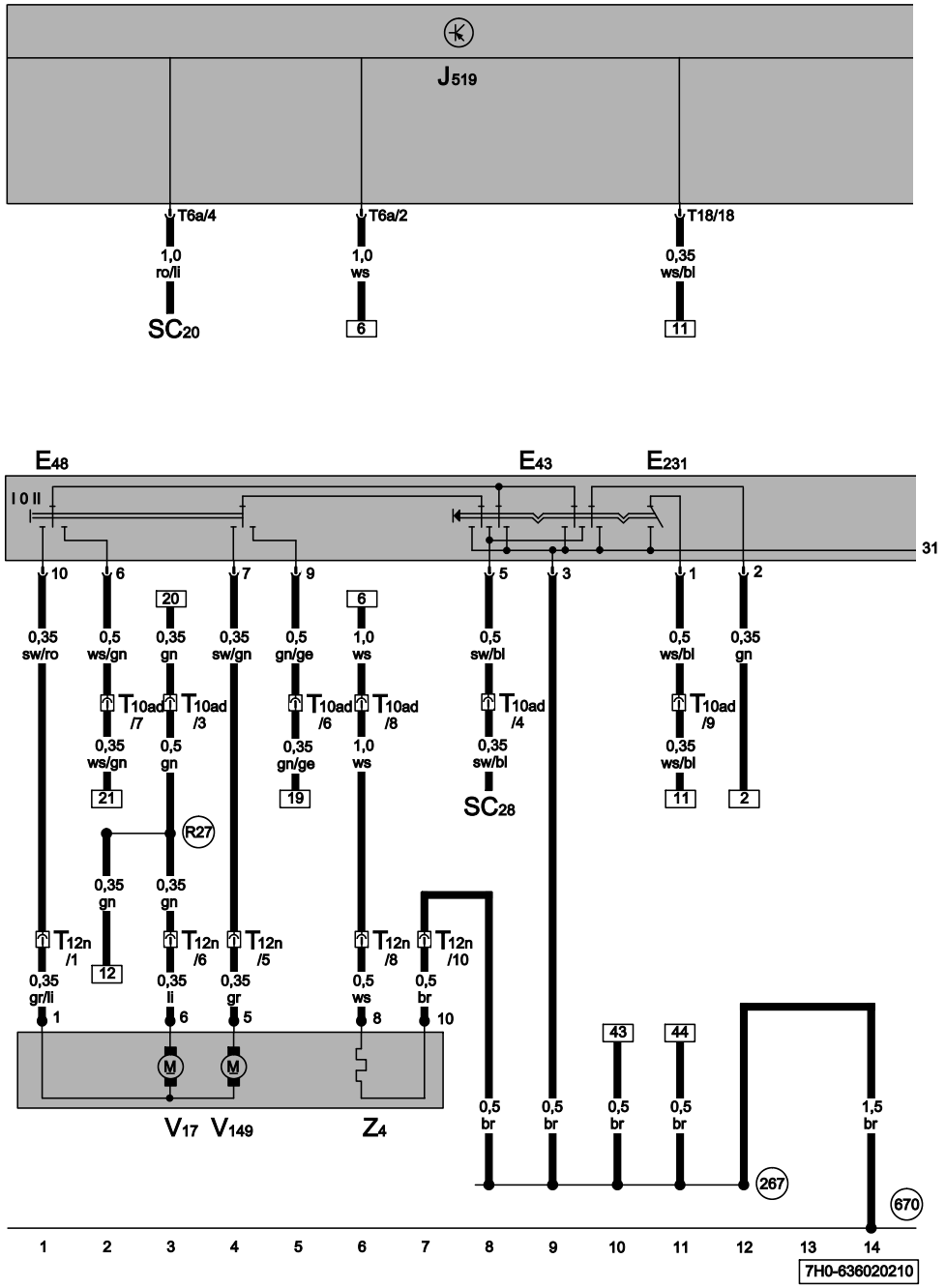
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

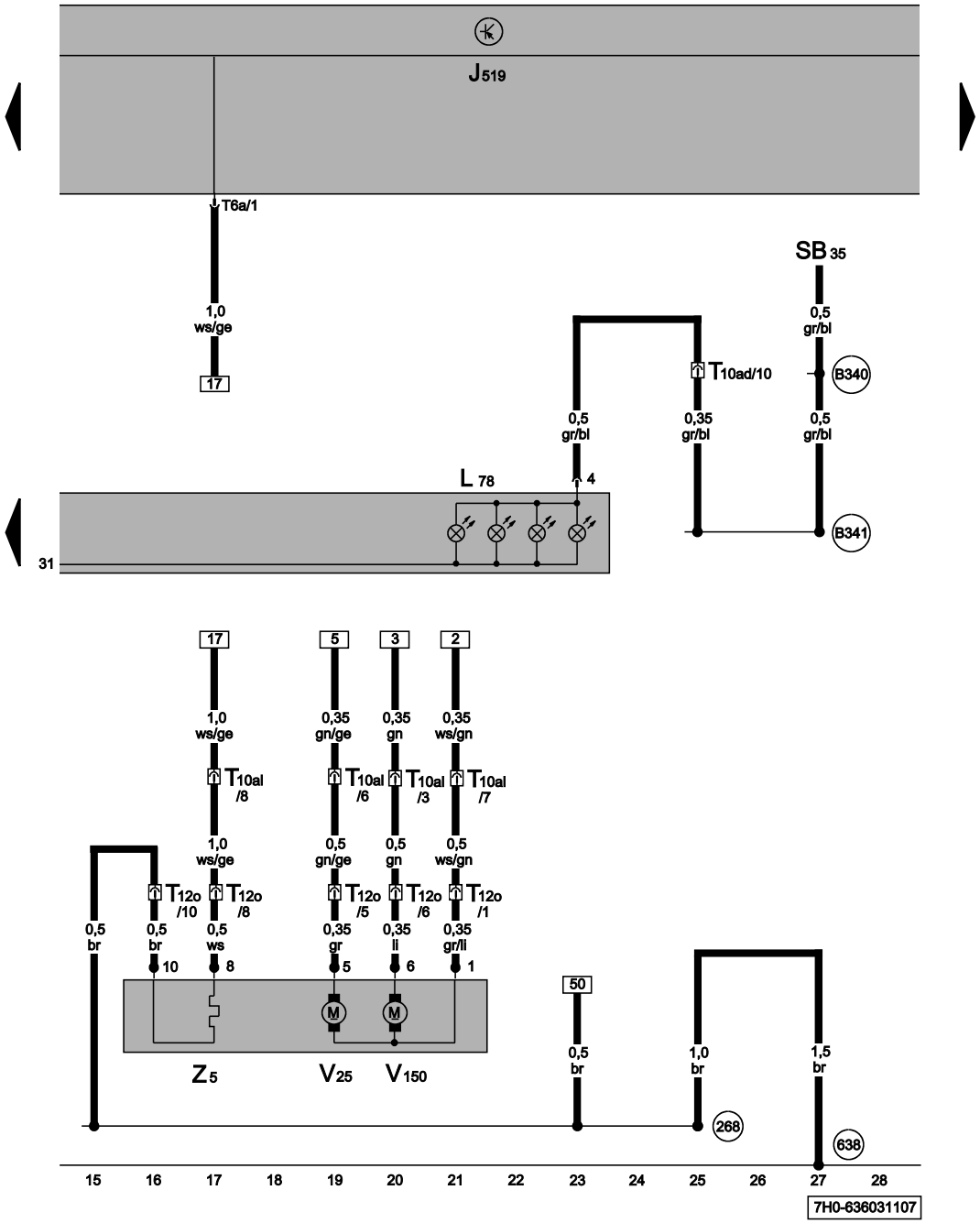
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
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rs = pink

Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

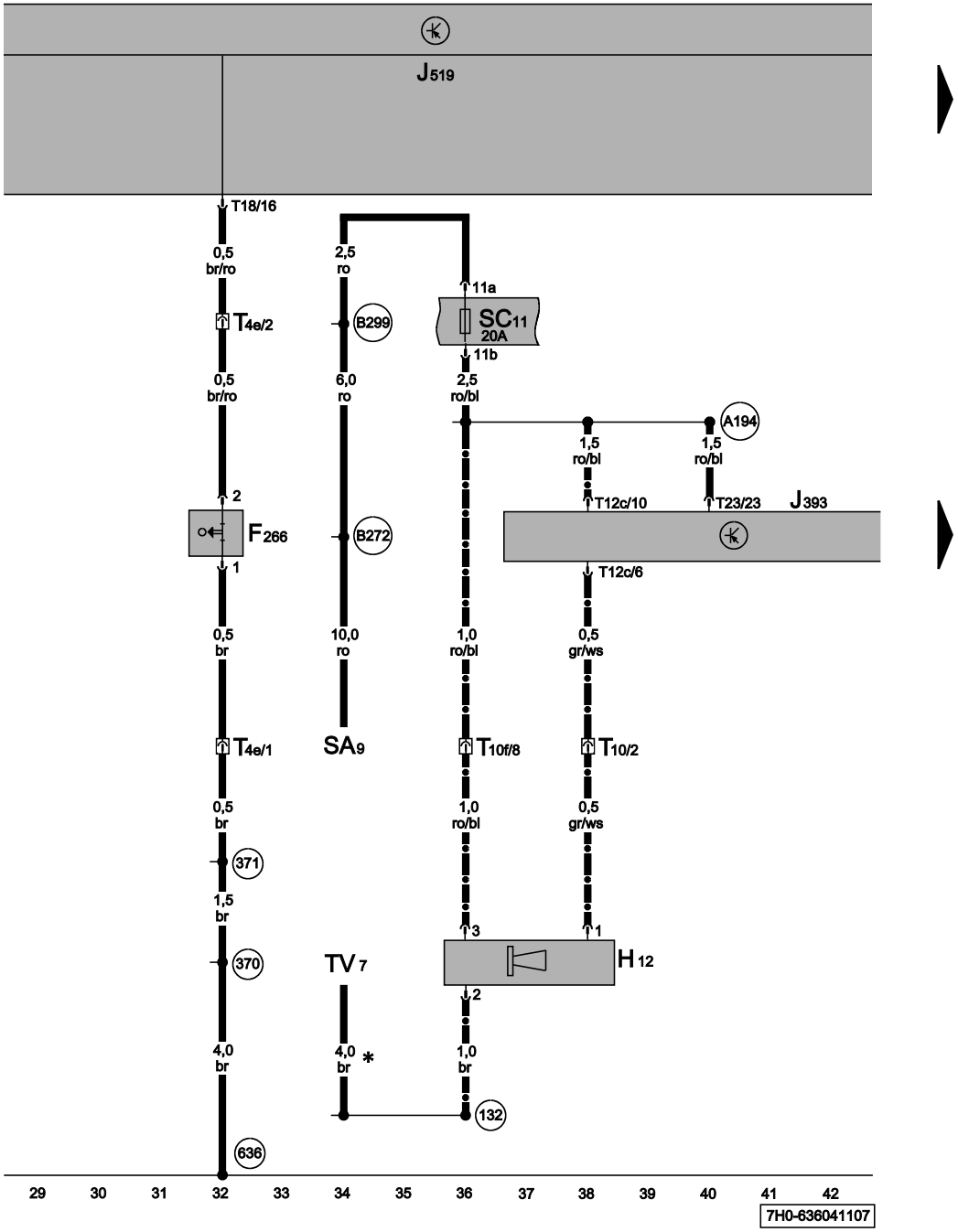
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness



Front passenger mirror adjustment motor, front passenger side heated exterior mirror

J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

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ge	=	yellow
or	=	orange
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ws = white

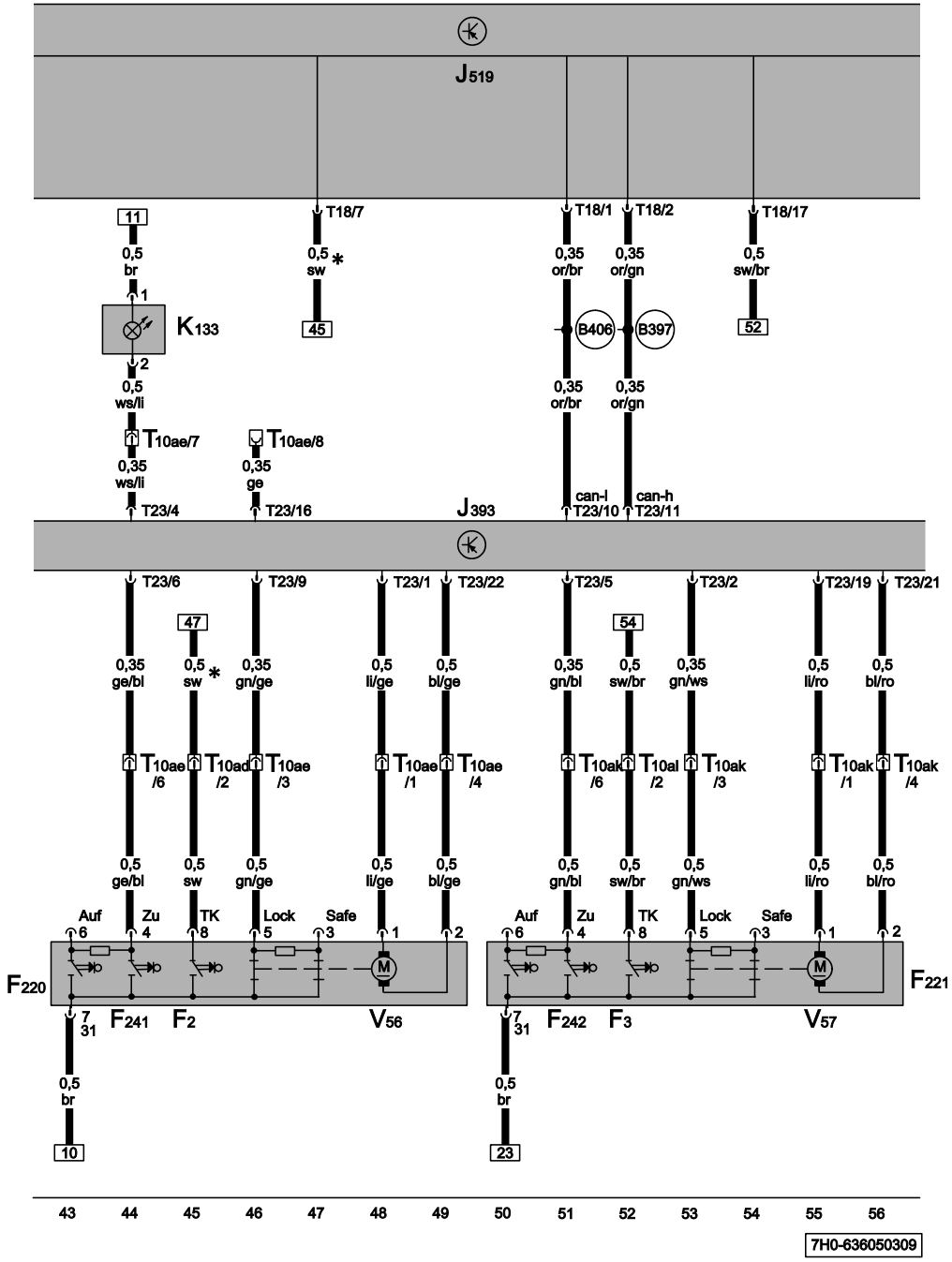
Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible

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for models with anti-theft alarm system only

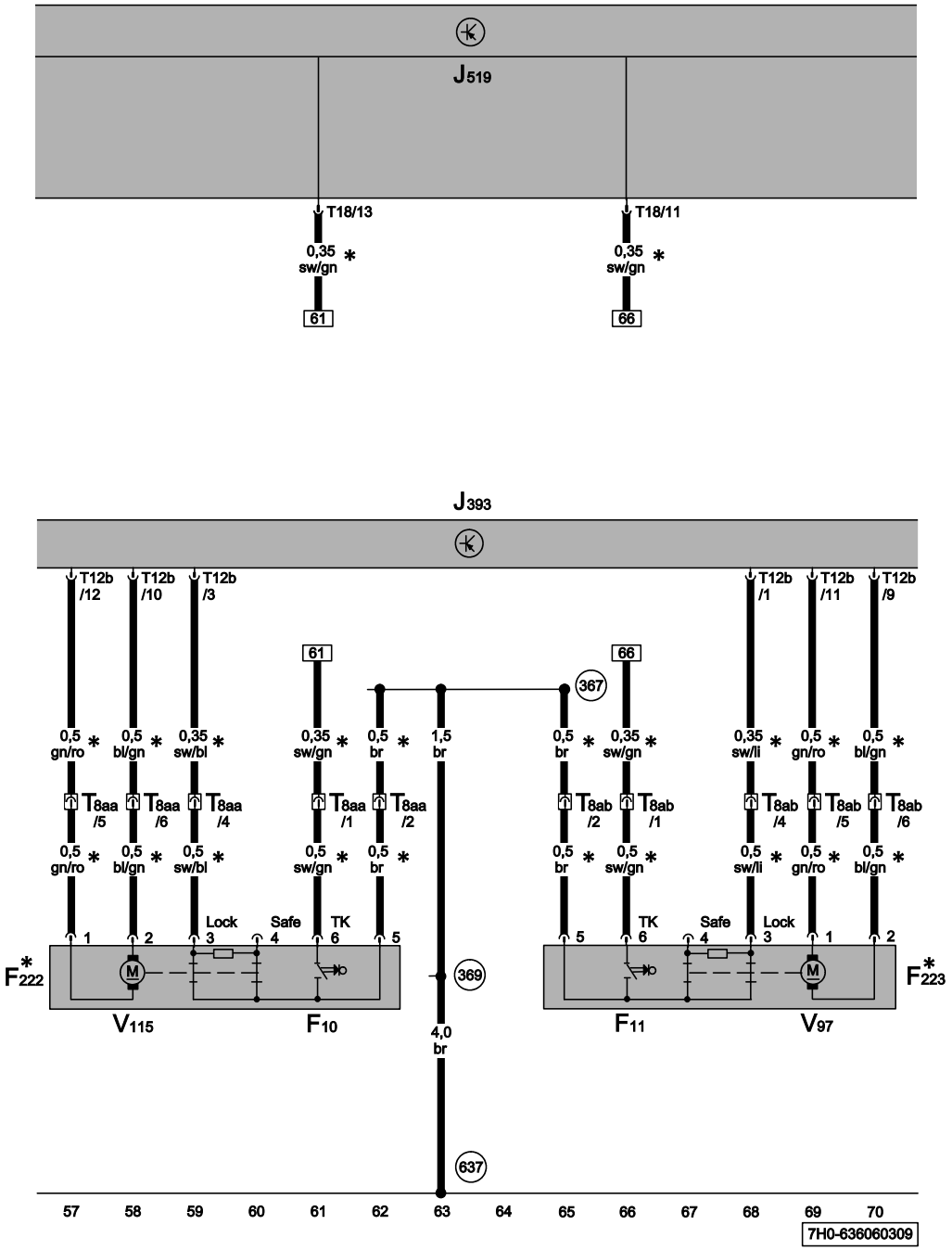
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ge	=	yellow	
or	=	orange	
rs	=	pink	



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models without taxi equipment only

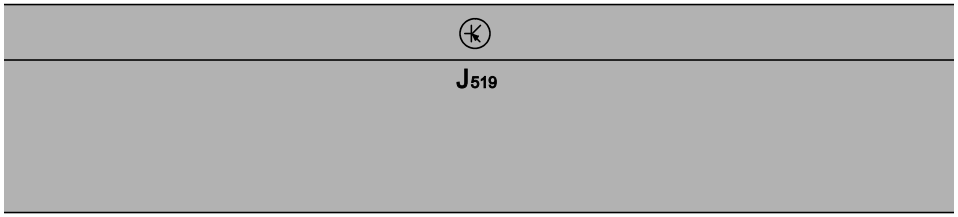
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rs	=	pink

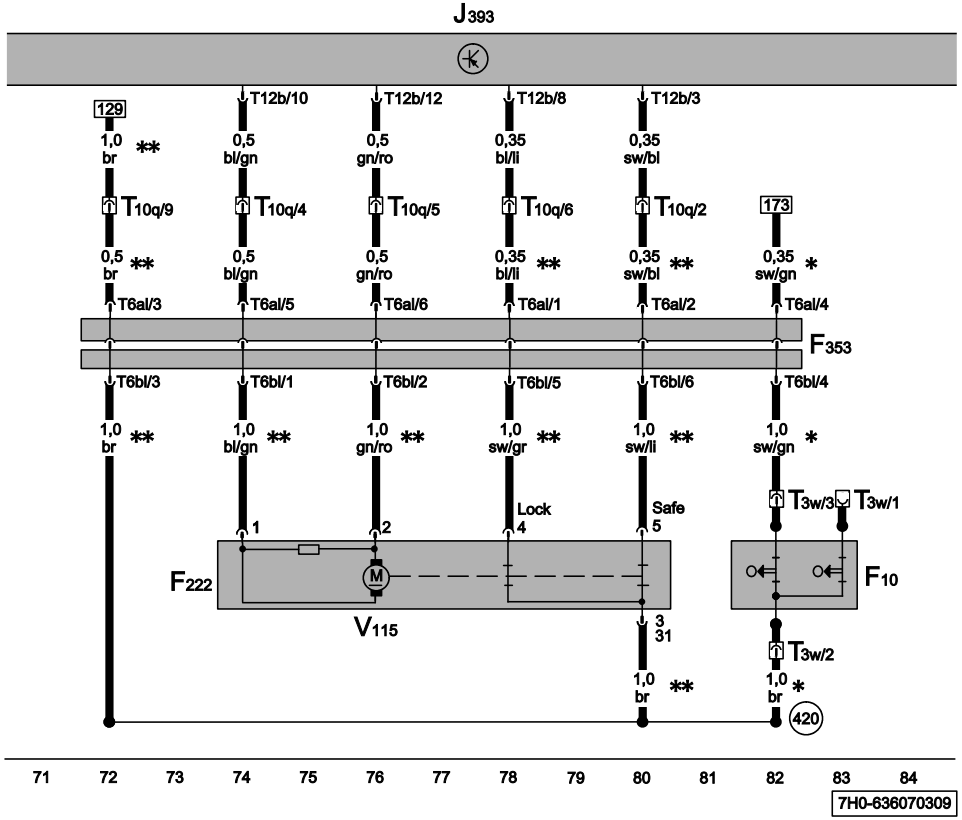


Rear left and right central locking lock unit, rear left and right door contact switch, convenience system central control unit

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

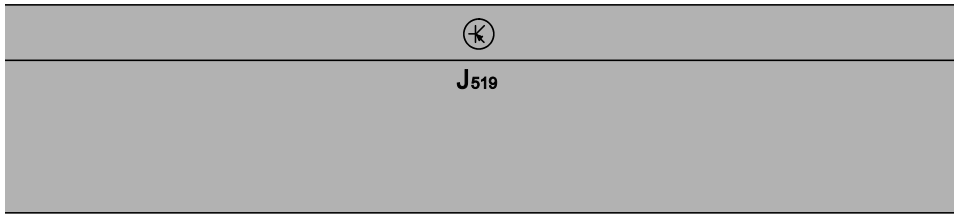


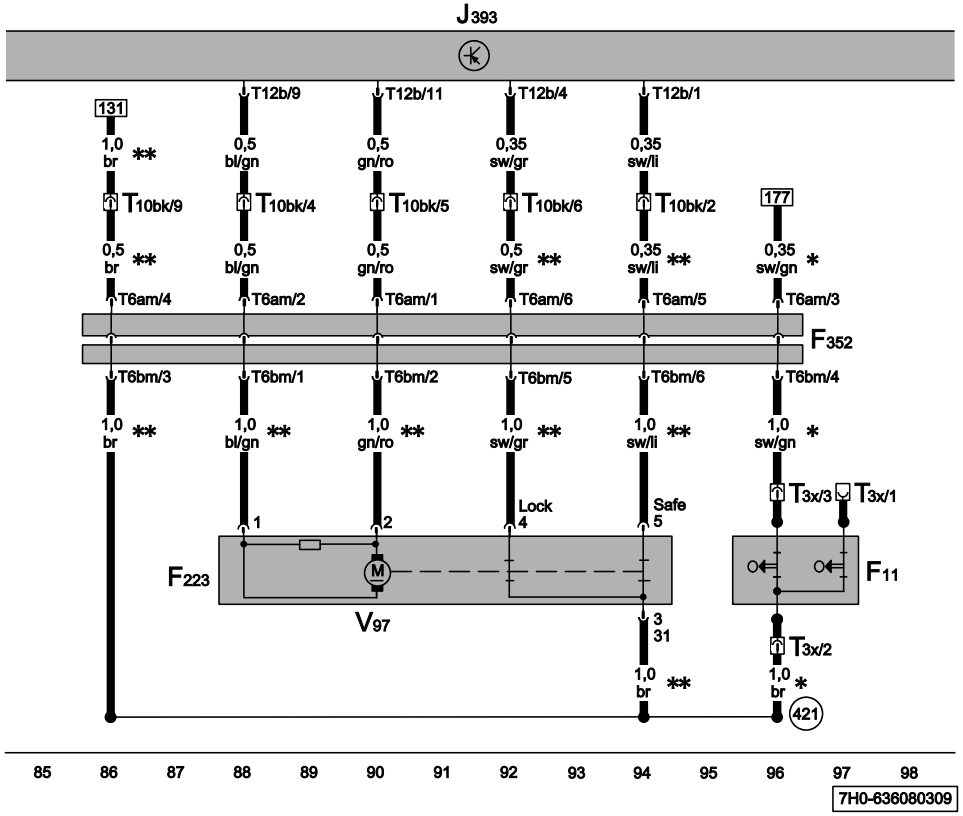


Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

ws	=	white
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

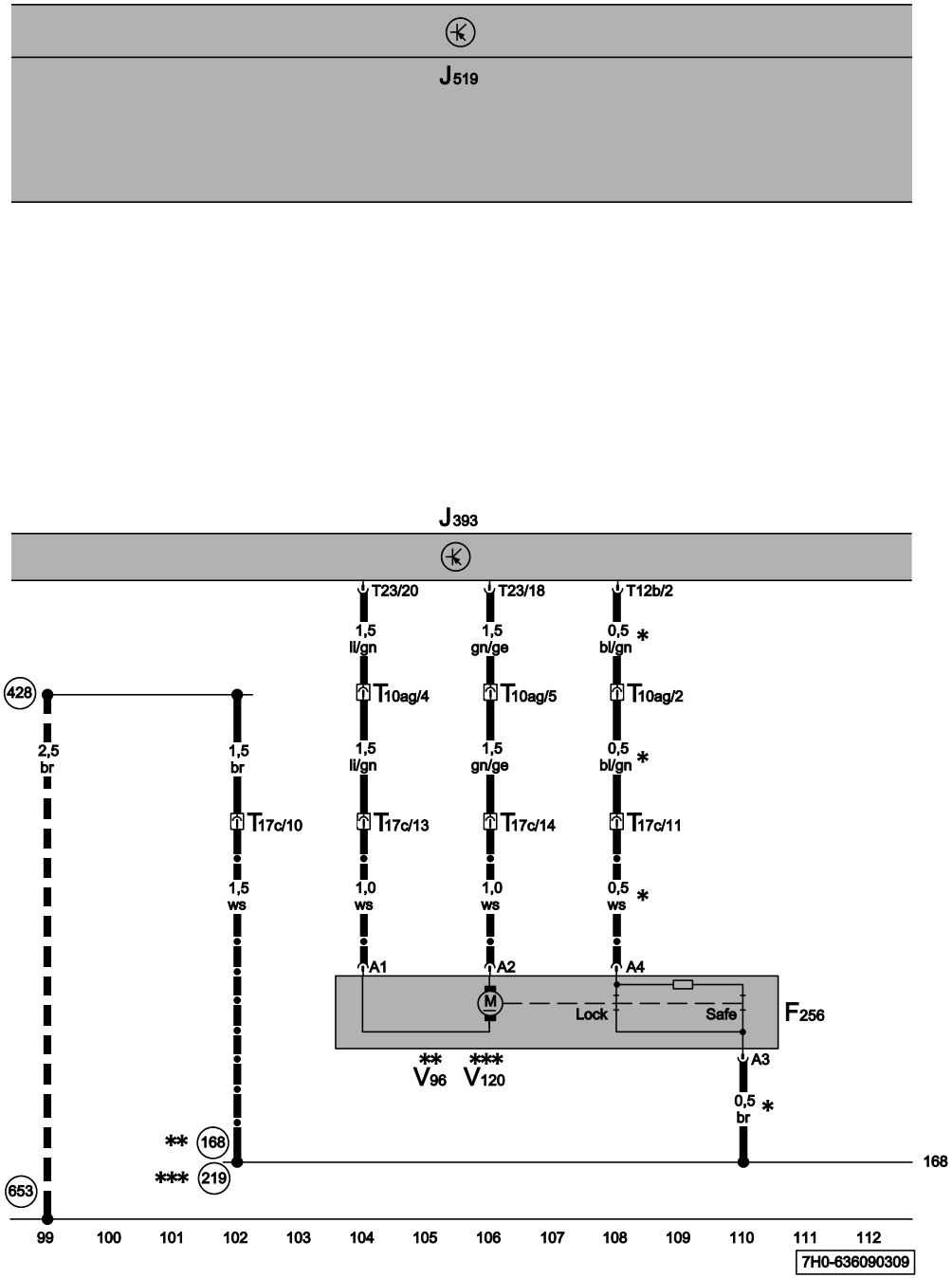




Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

ws	=	white
sw	=	black
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gn	=	green
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Rear lid lock unit, convenience system central control unit, rear lid lock motor

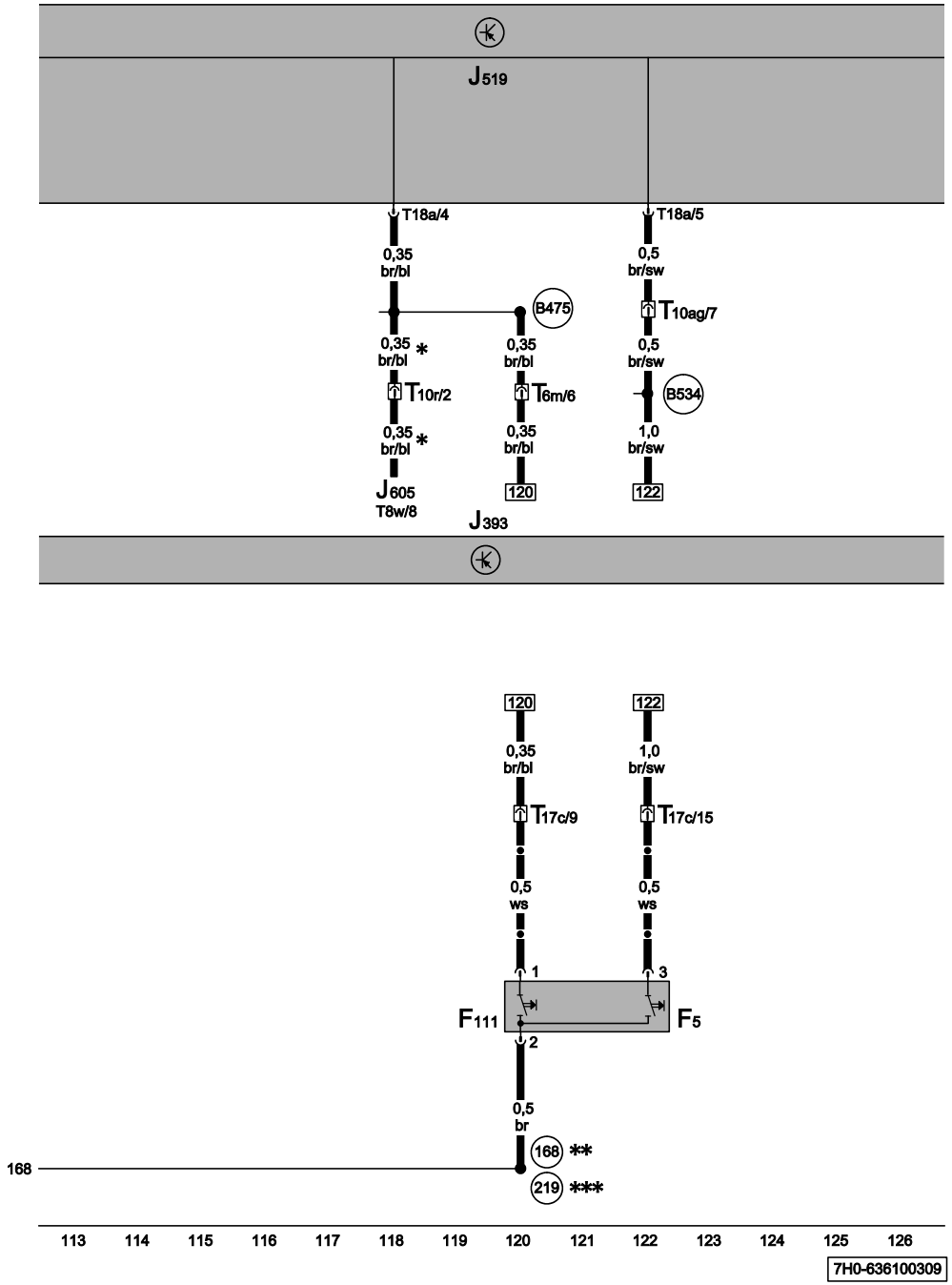
F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid interior locking only
**	for models with rear wing doors only
***	for models with rear lid only

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cross-section depends on equipment

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wire colour is white and wire is printed

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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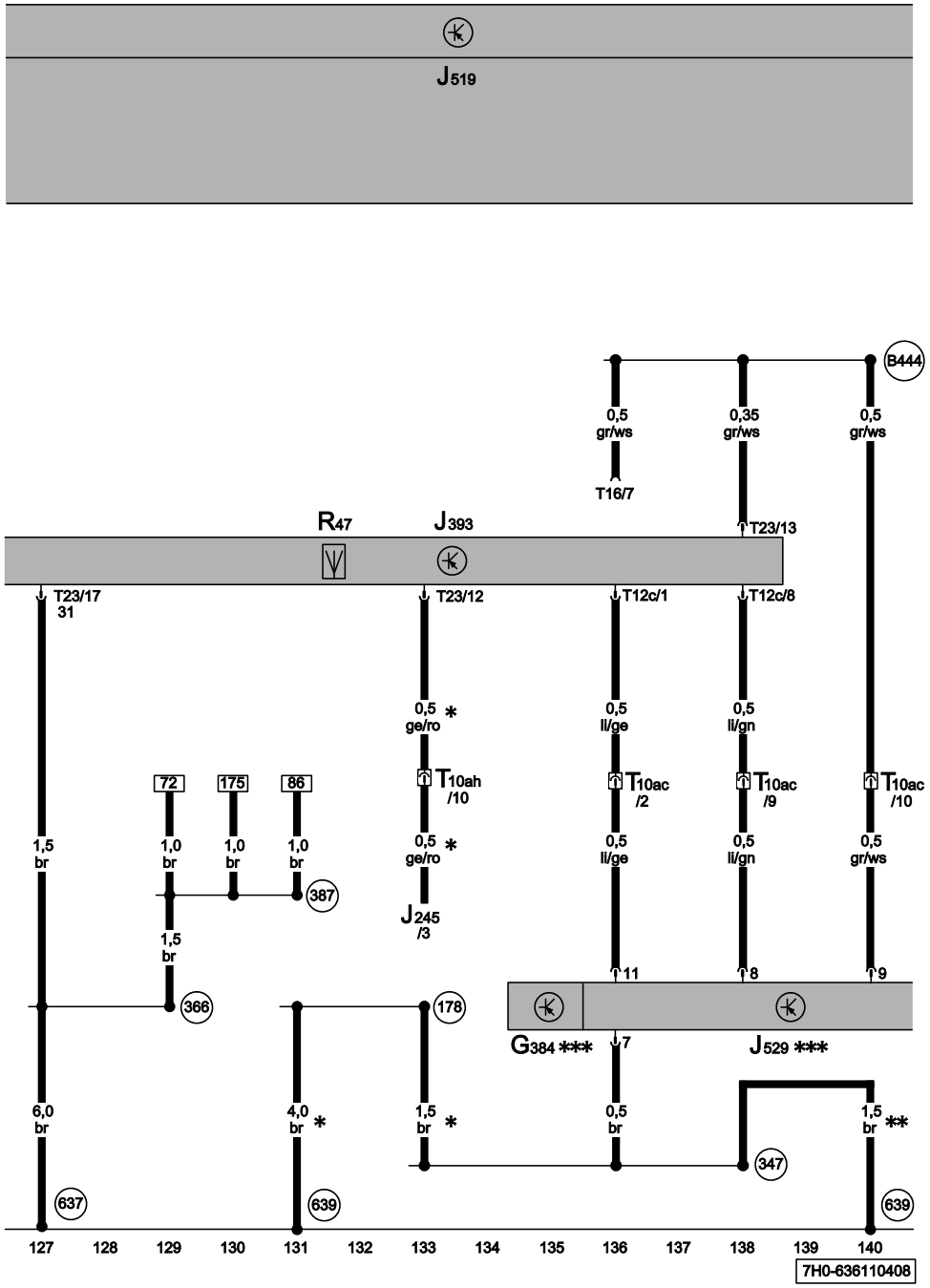


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with rear lid and power latching system only
**	for models with rear wing doors only
***	for models with rear lid only

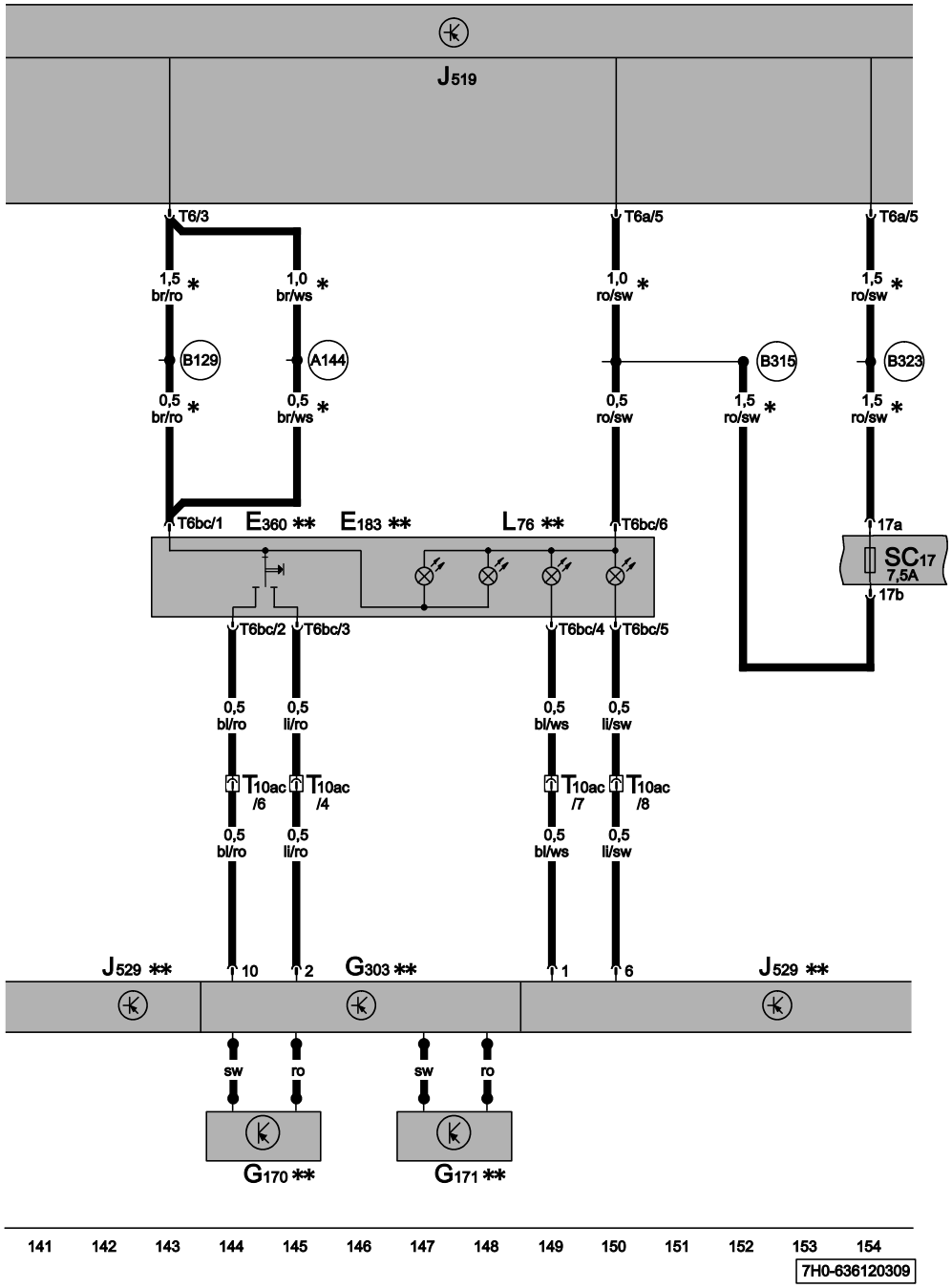
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wire colour is white and wire is printed



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Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

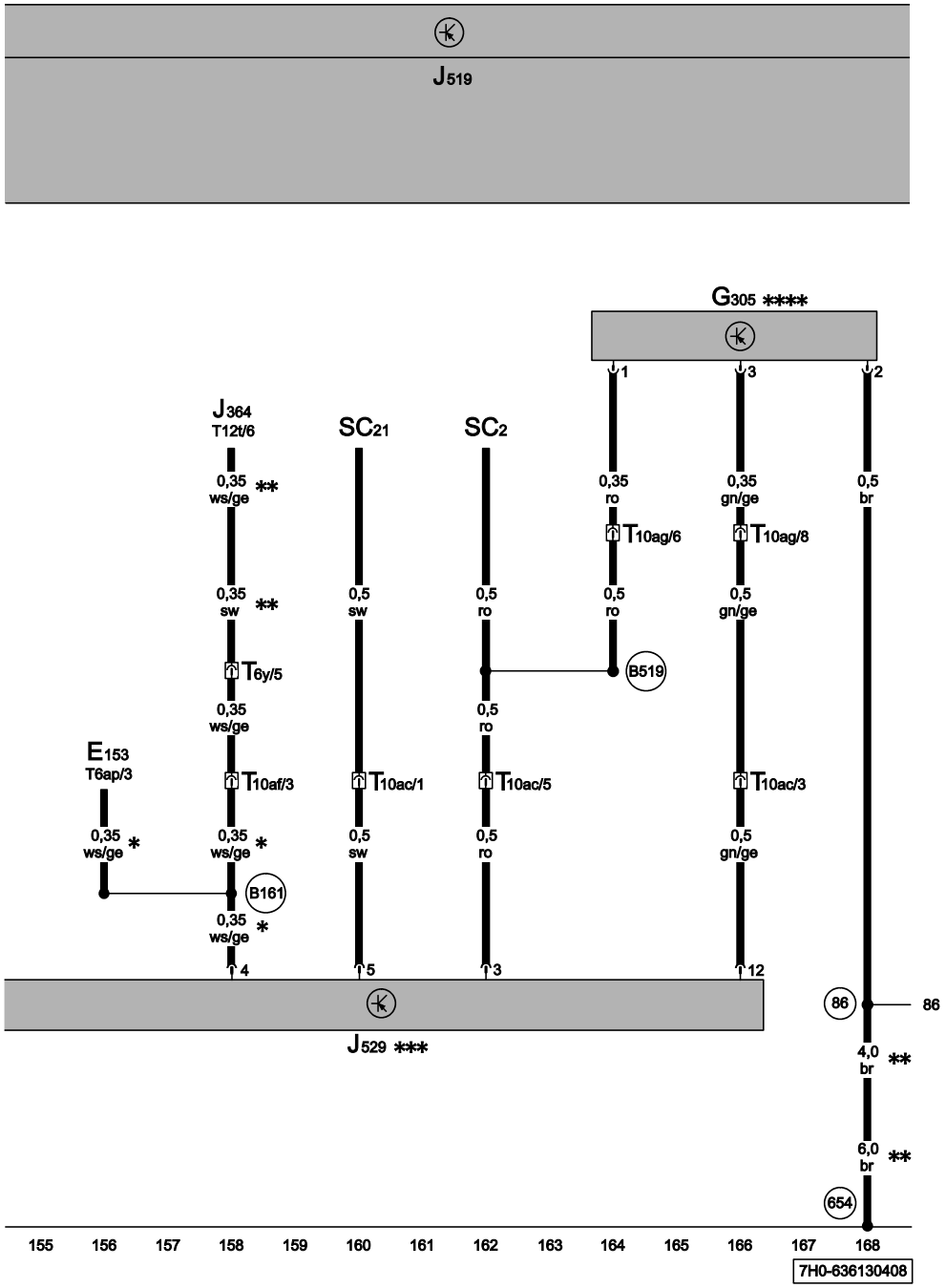
G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sliding/tilting sunroof
**	for models without sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

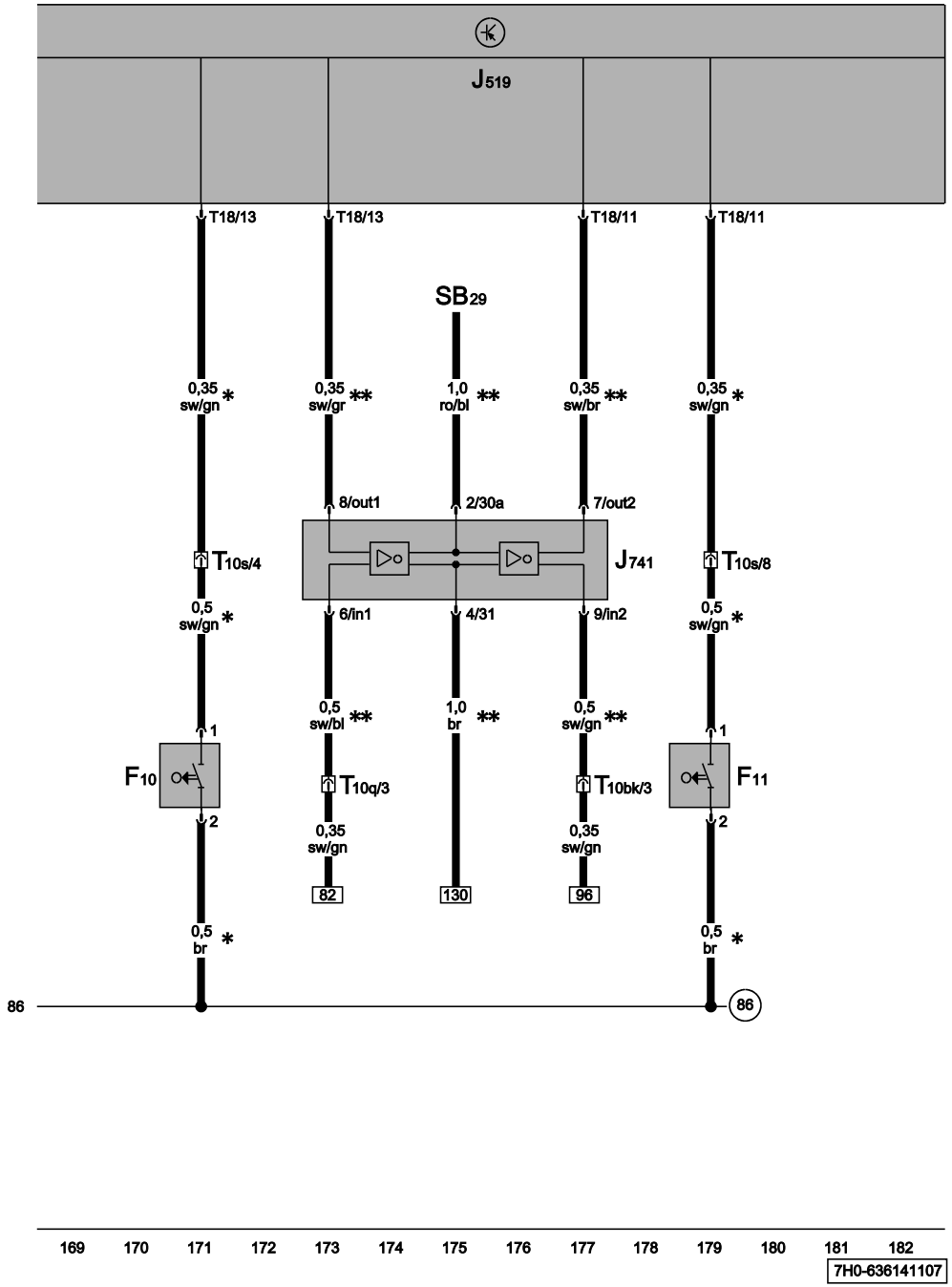
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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for Camper with auxiliary air heater only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

ws	=	white
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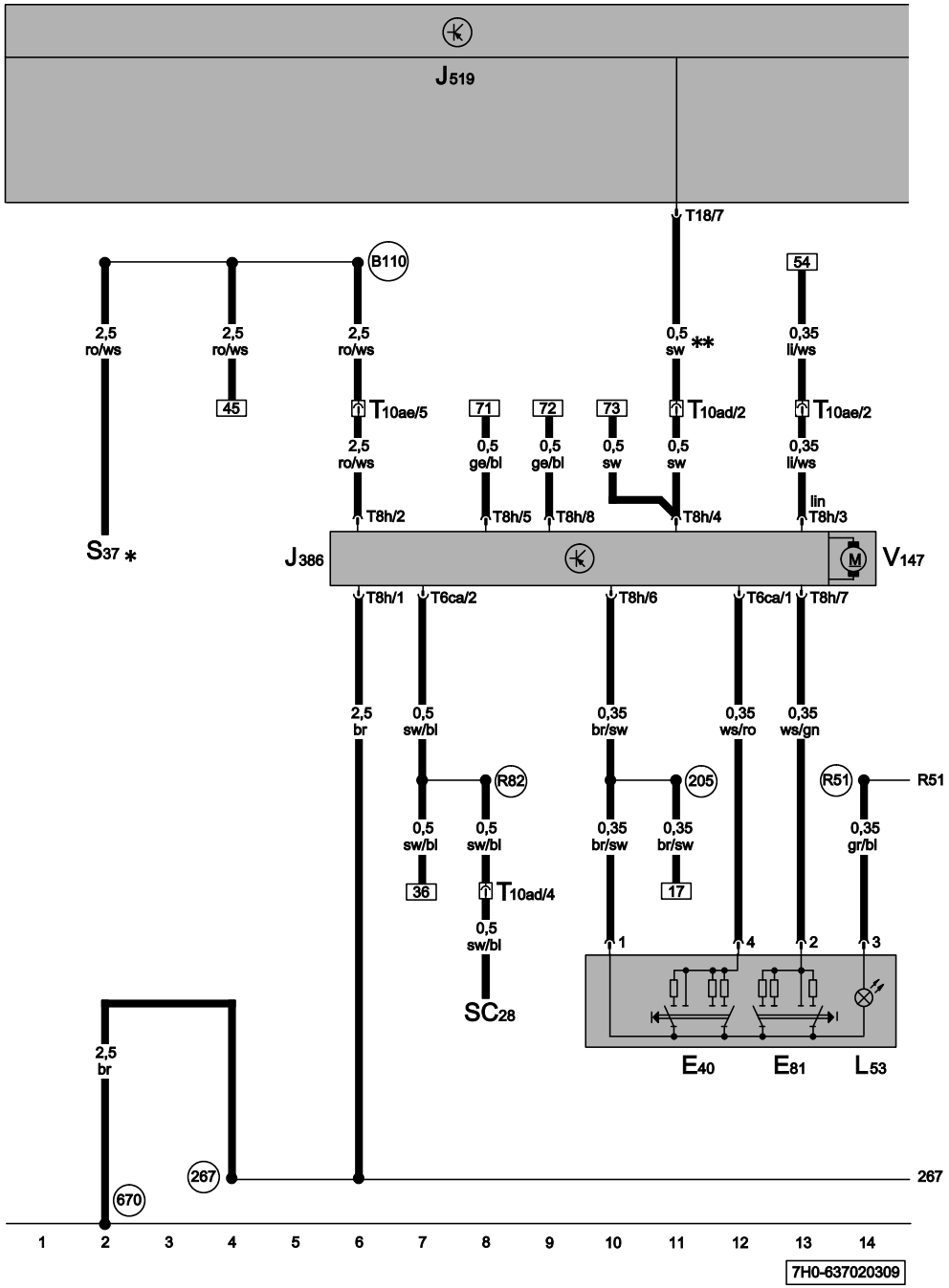
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

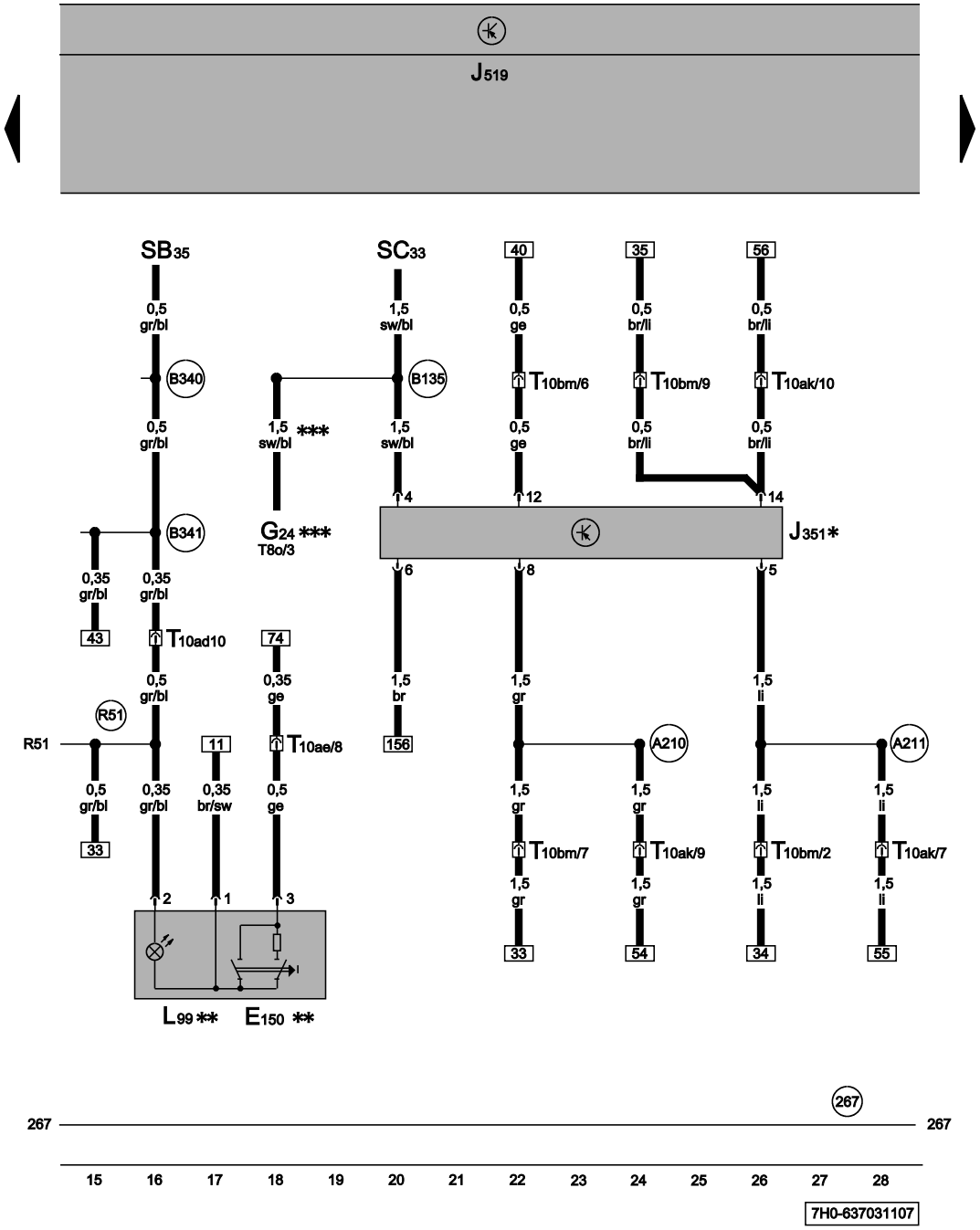
⇒ guided fault finding



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Fuses, front window regulator switch, driver door control unit, driver side window regulator motor

E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T6ca	6-pin connector
T8h	8-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T18	18-pin connector, black
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations
**	for models without taxi equipment only, from November 2007 for all levels of equipment

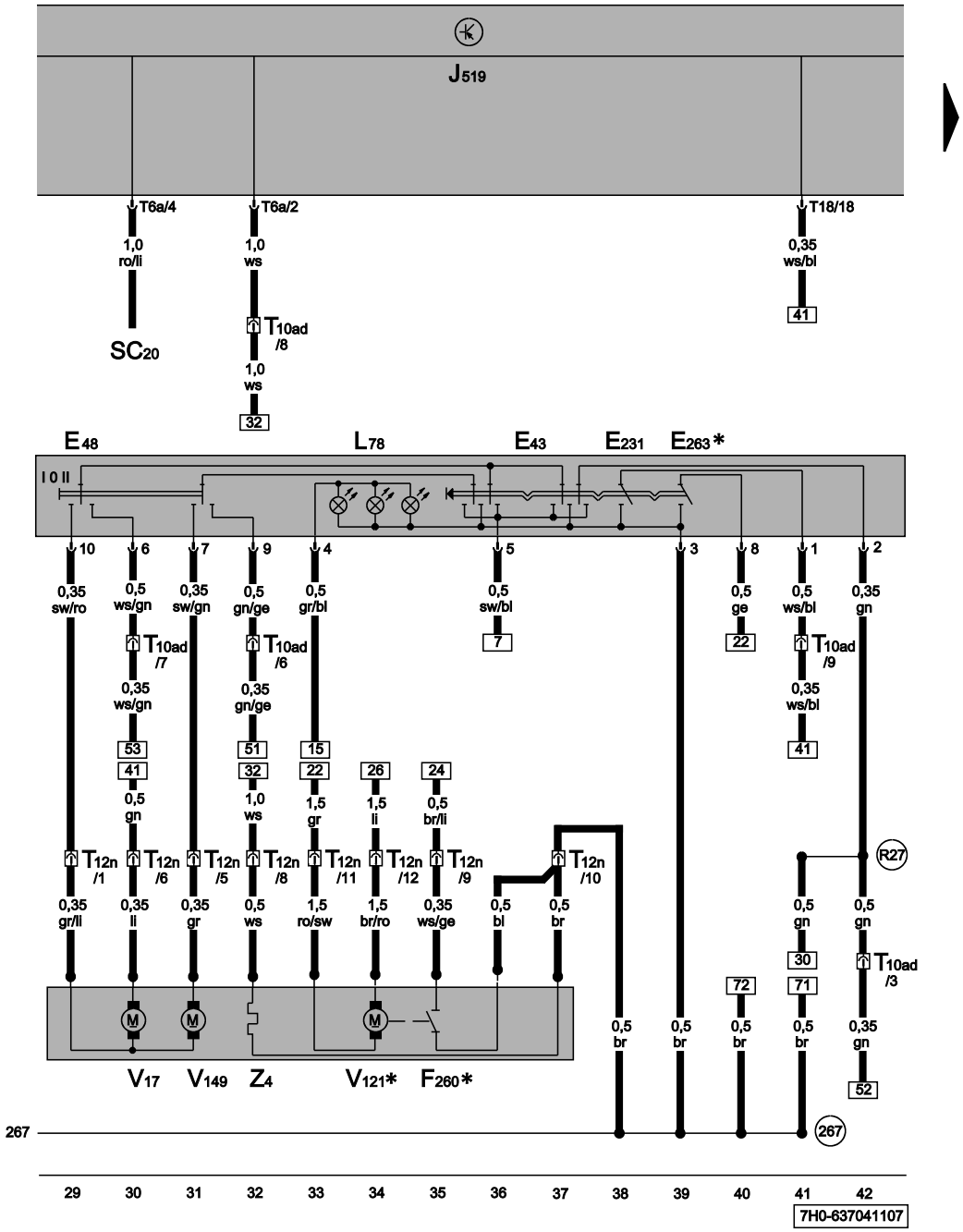


ws = white
sw = black
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Fuses, driver side interior locking switch, folding exterior mirror control unit

E150	Driver side interior locking switch
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
L99	Interior lock switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness

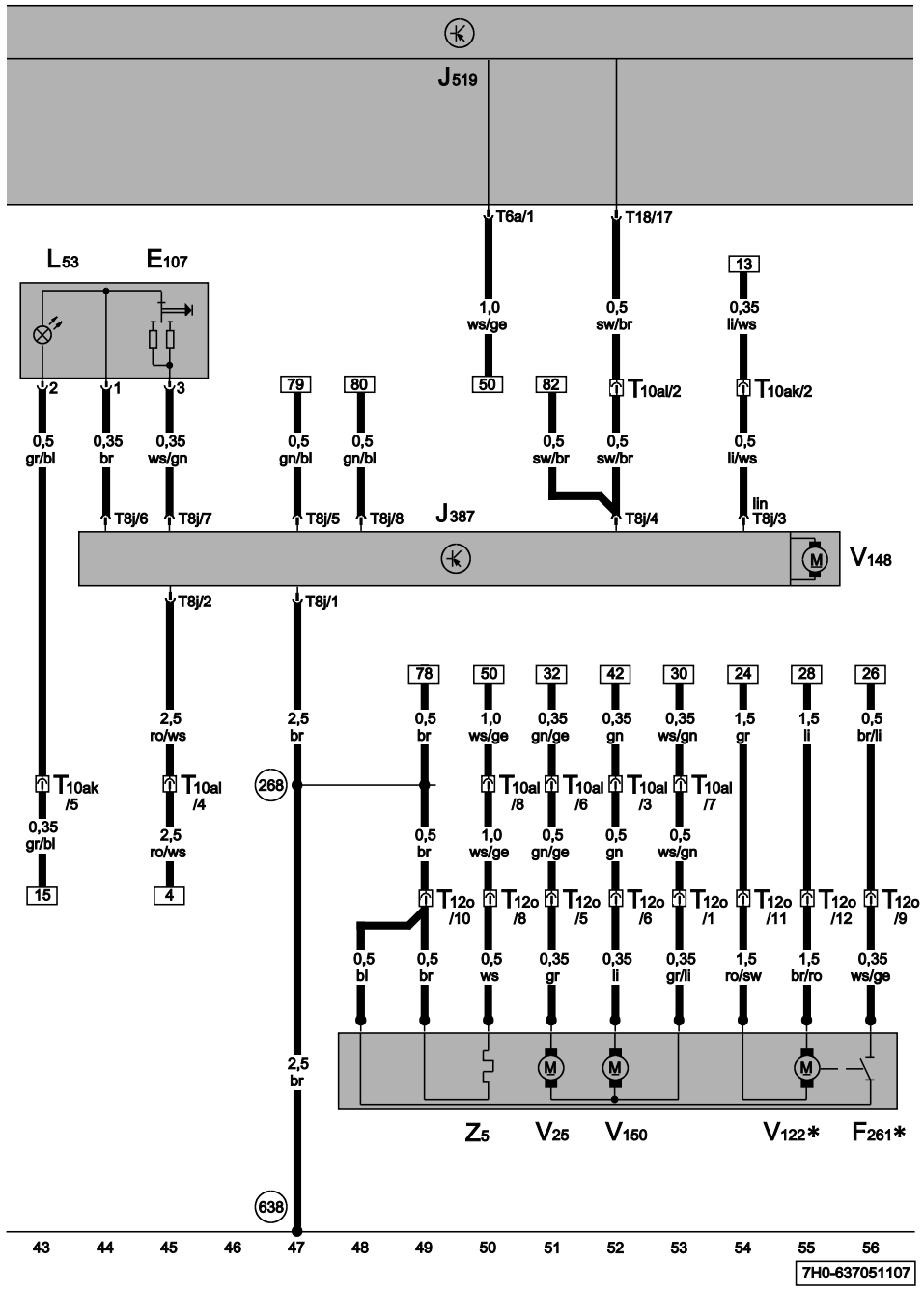
* for models with folding exterior mirror only
** for models with interior locking switch only
*** for models with tachograph only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

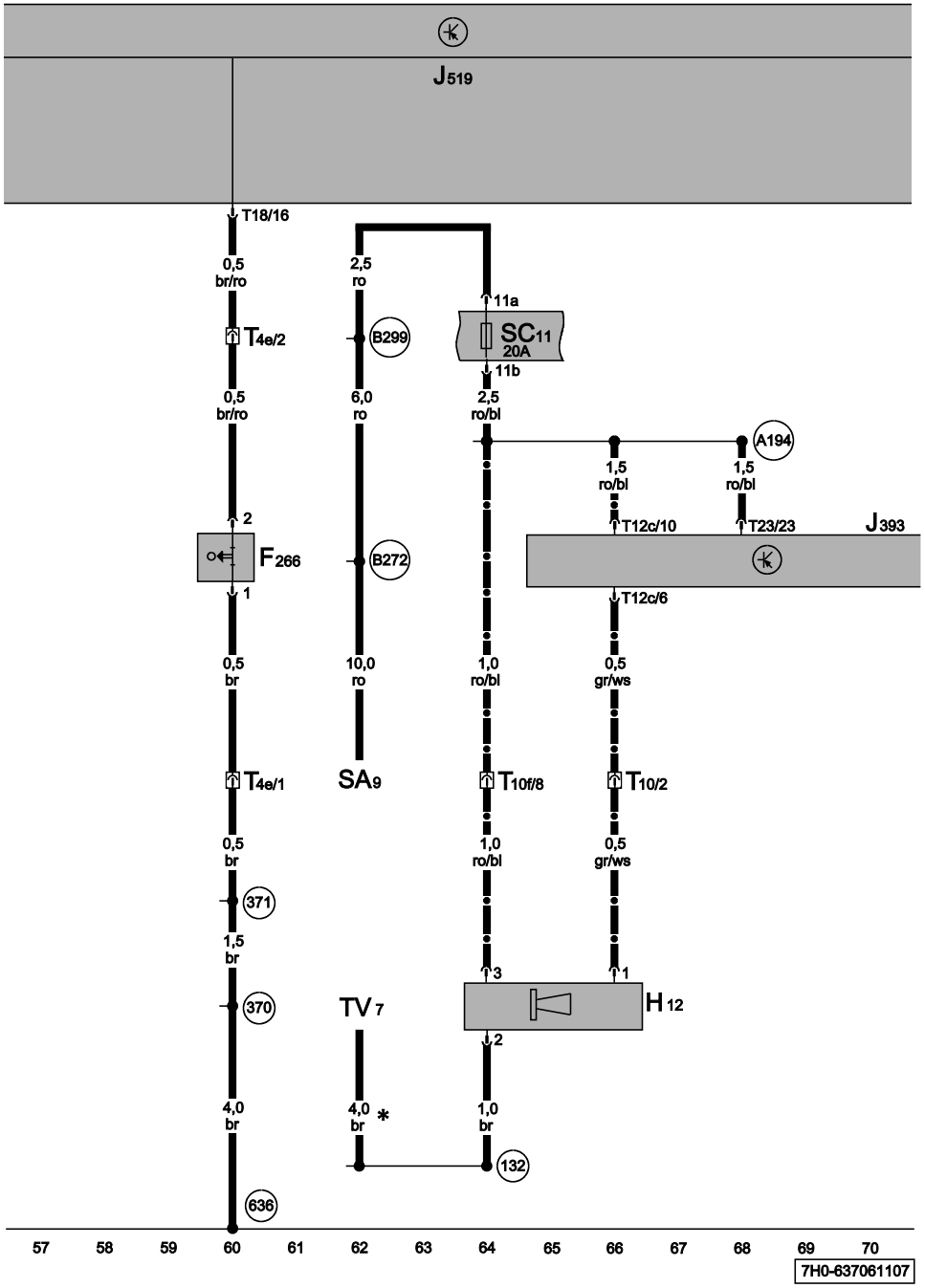
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
R27	Connection (mirror adjustment), in driver door wiring harness
*	for models with folding exterior mirror only



Window regulator switch in front passenger door, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T8j	8-pin connector
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only

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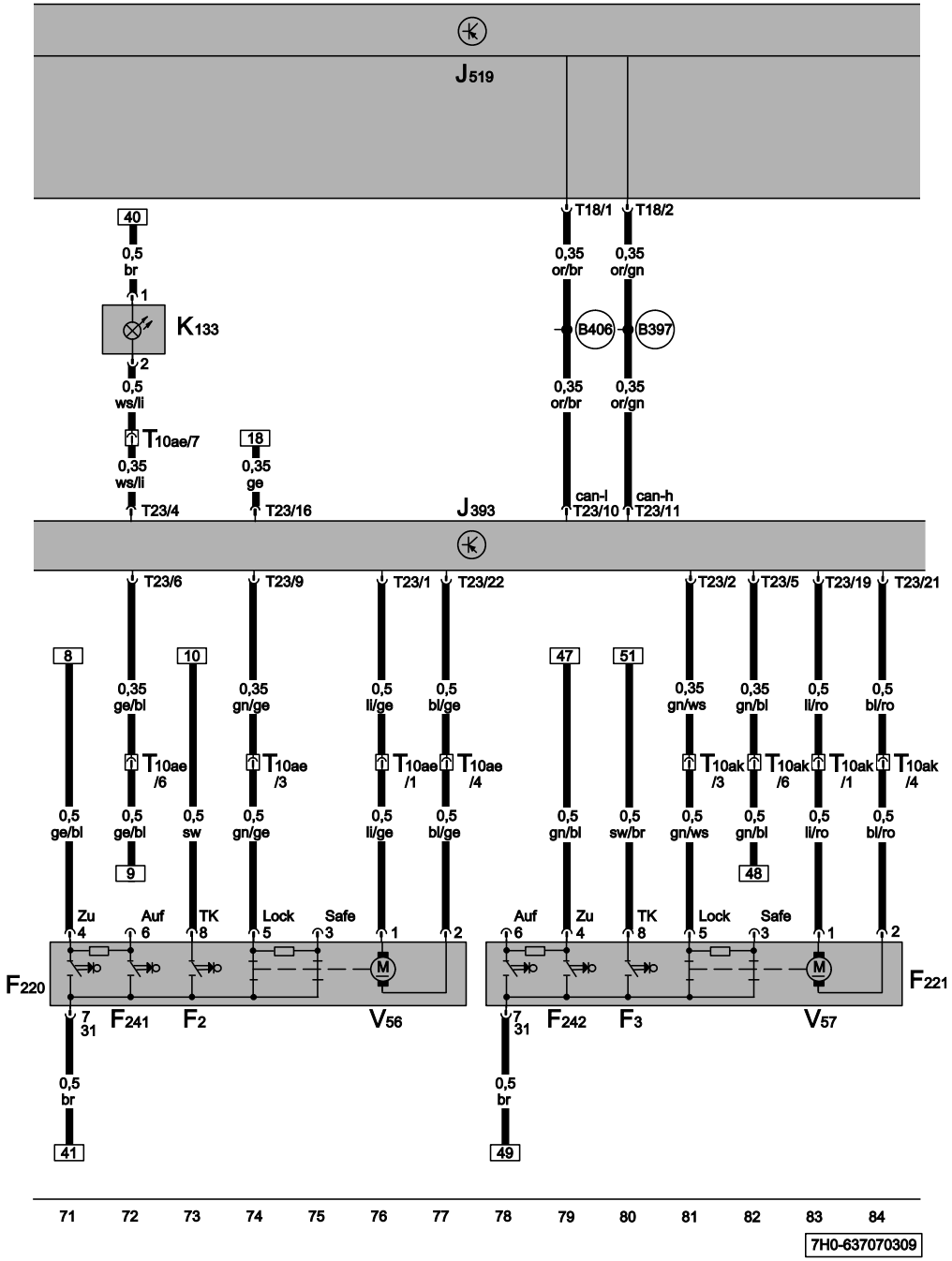


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Convenience system central control unit, alarm horn, bonnet contact switch, fuses

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
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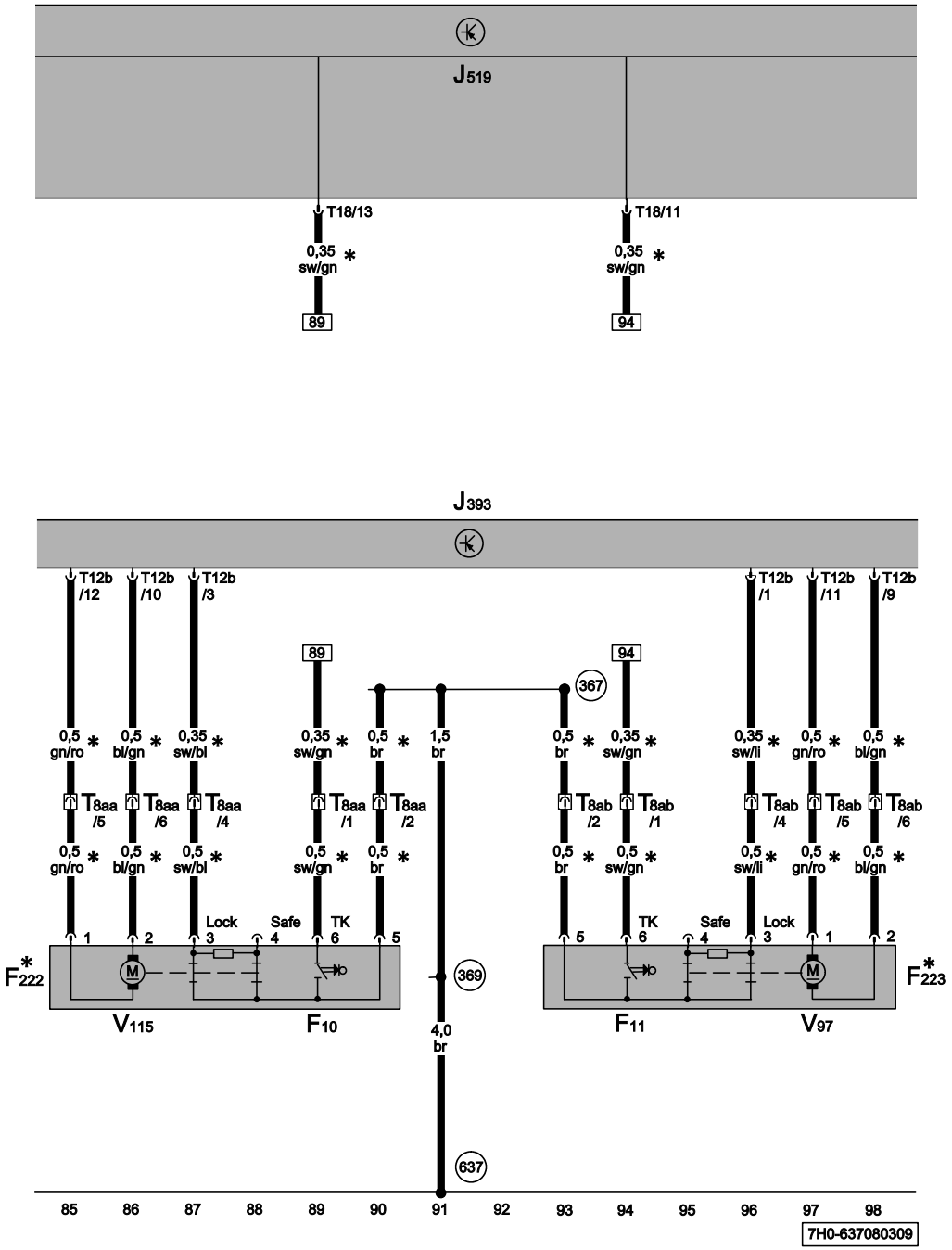
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or	=	orange	
rs	=	pink	



Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

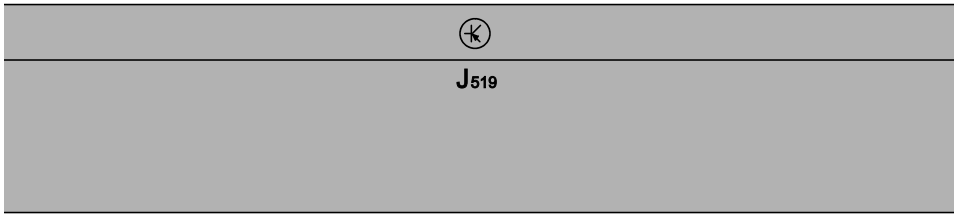
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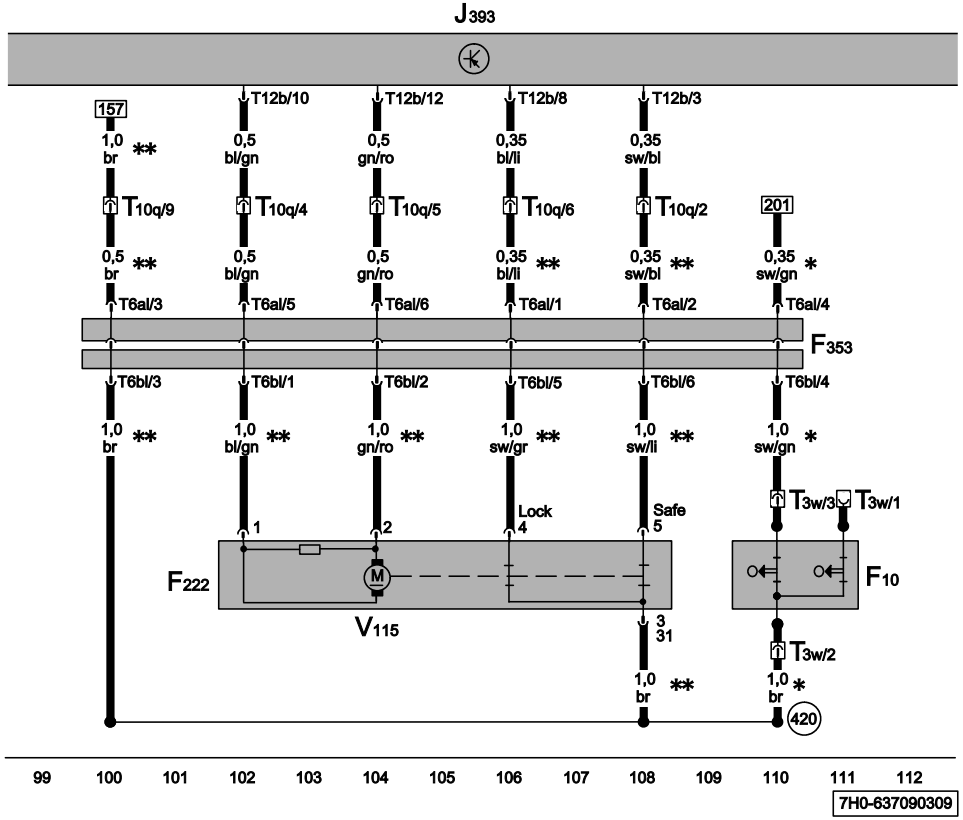


Rear left and right central locking lock unit, rear left and right door contact switch, convenience system central control unit

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only

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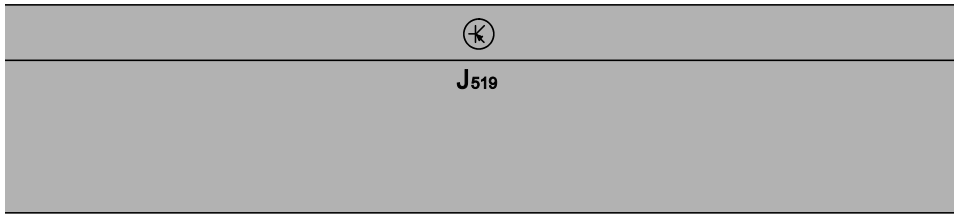


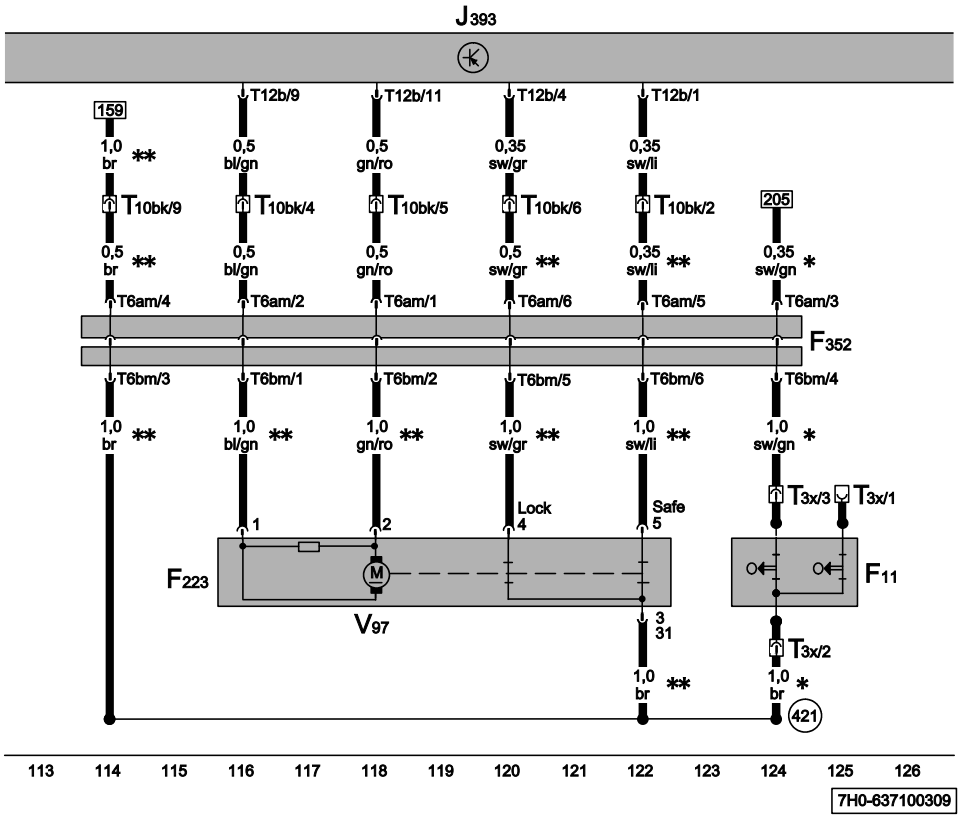


Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

ws	=	white
sw	=	black
ro	=	red
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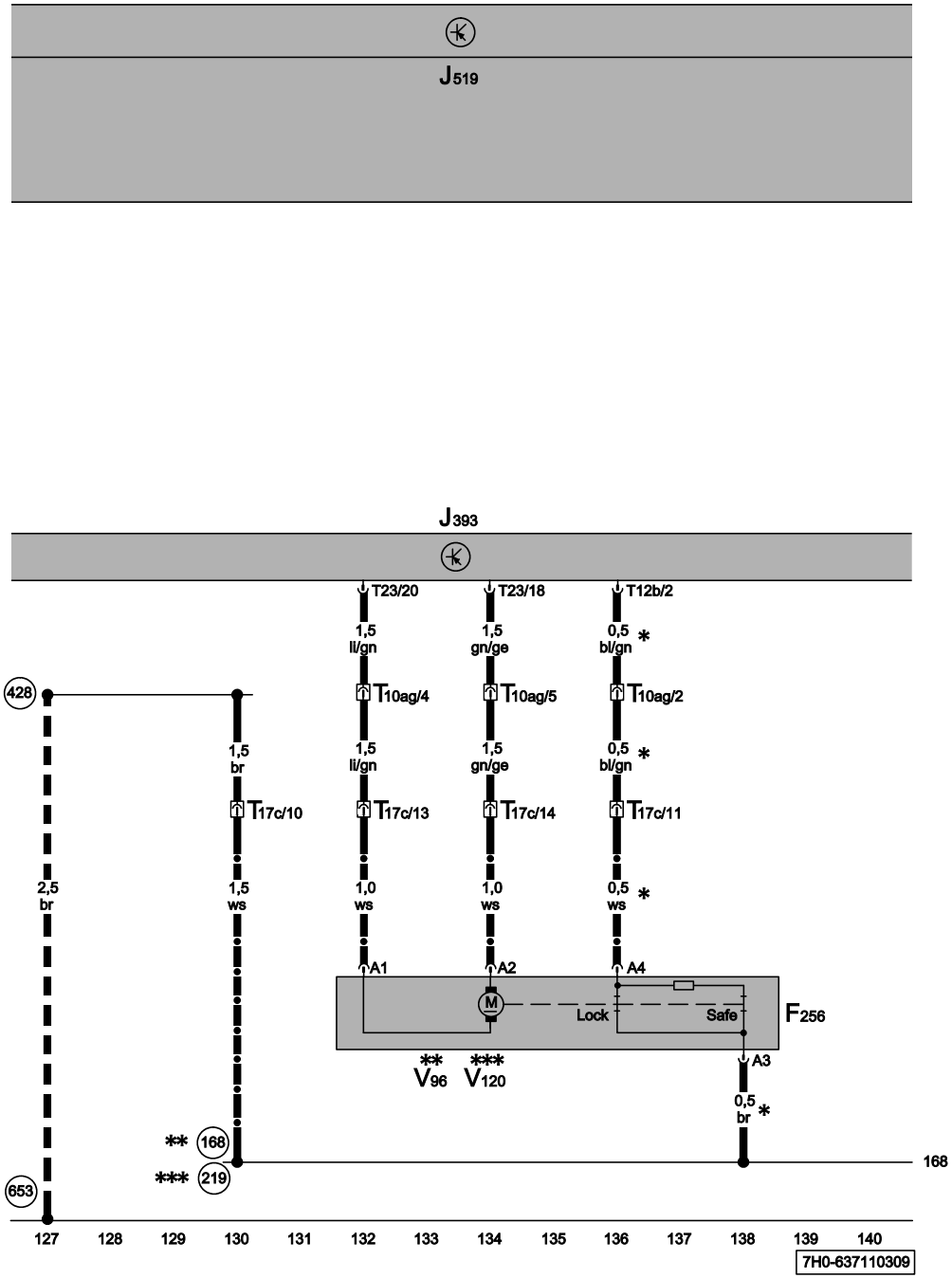




Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

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rs	=	pink



ws = white

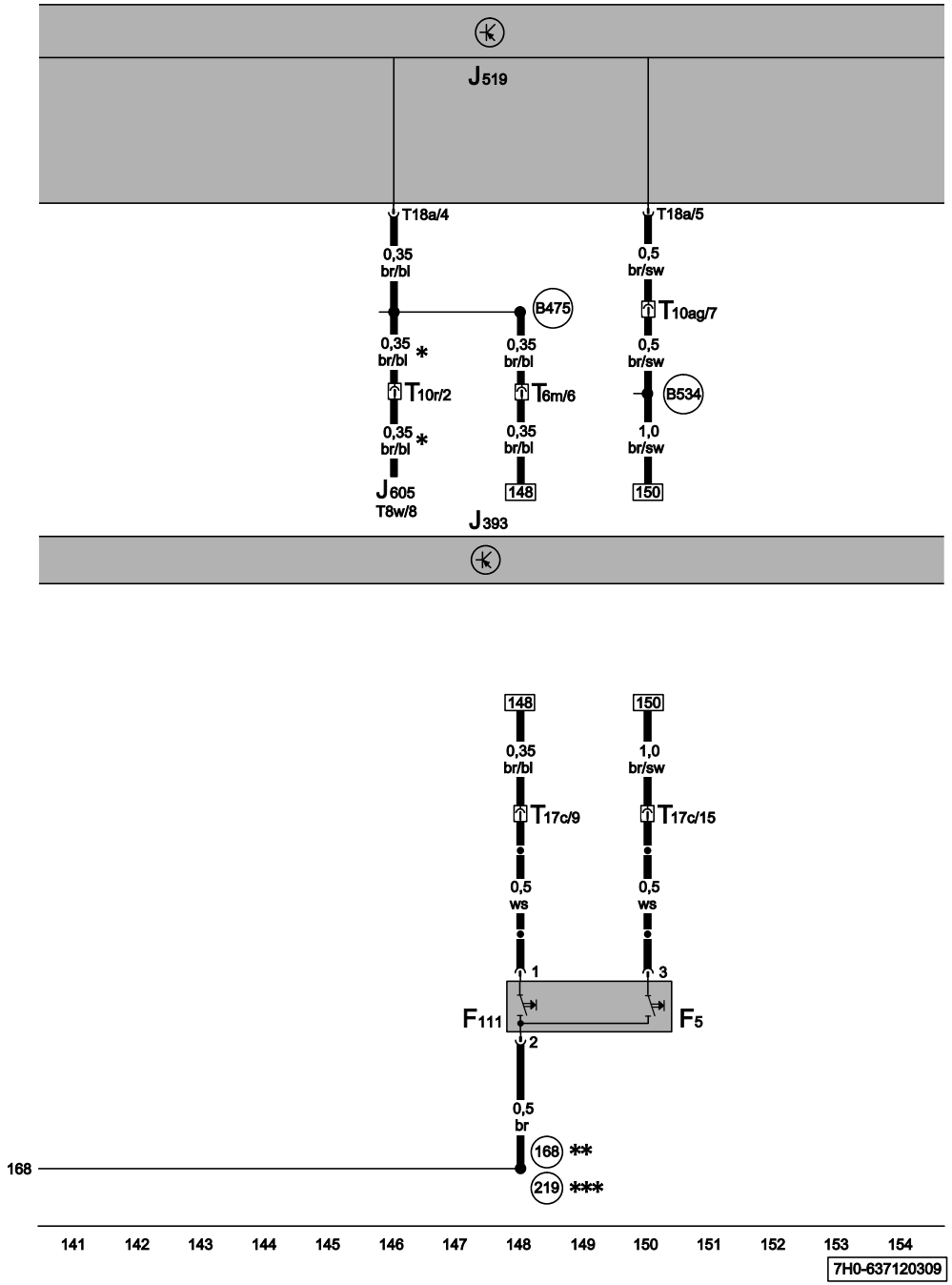
Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid interior locking only
**	for models with rear wing doors only
***	for models with rear lid only

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cross-section depends on equipment

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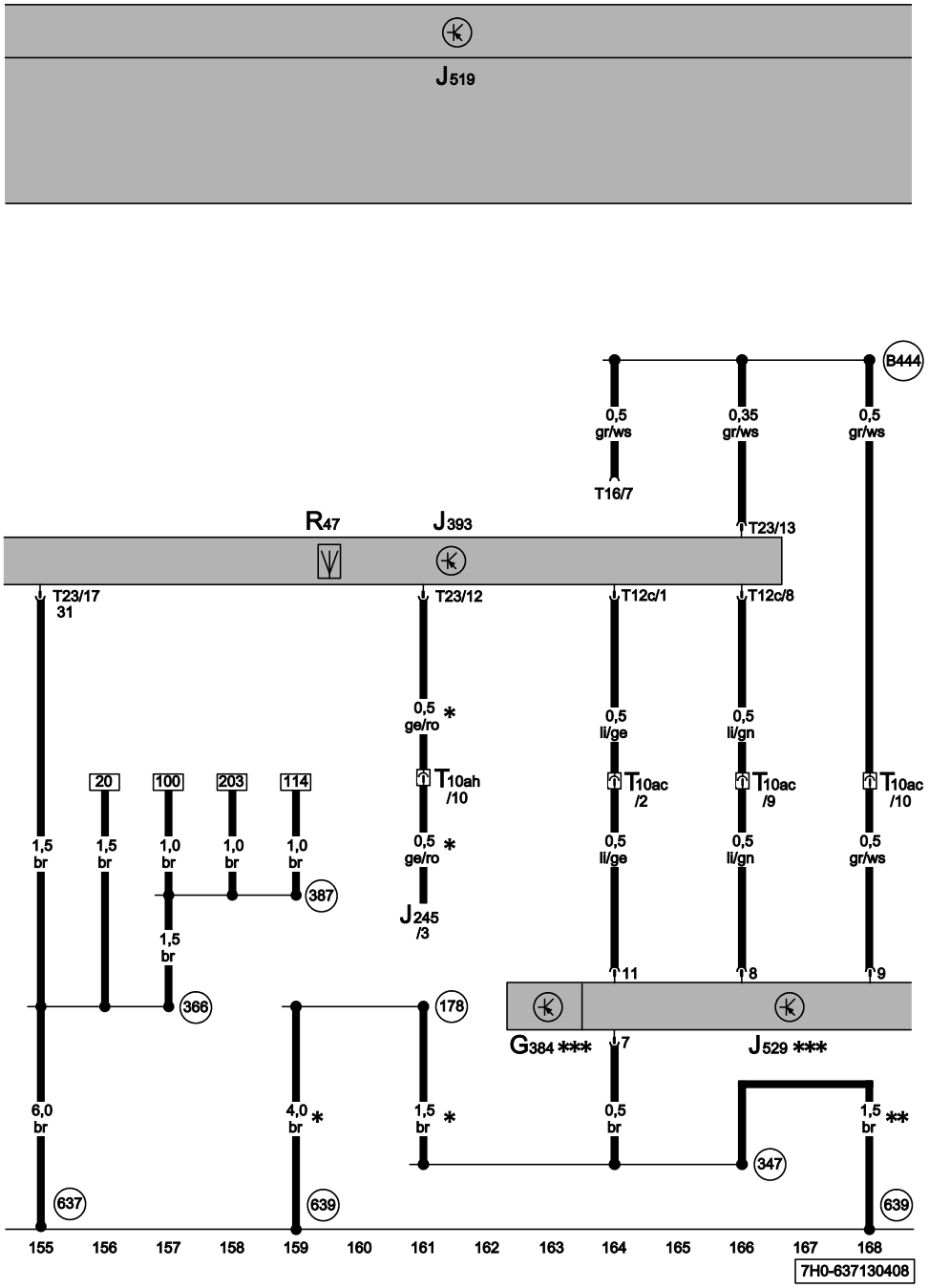


ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
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Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with rear lid and power latching system only
**	for models with rear wing doors only
***	for models with rear lid only

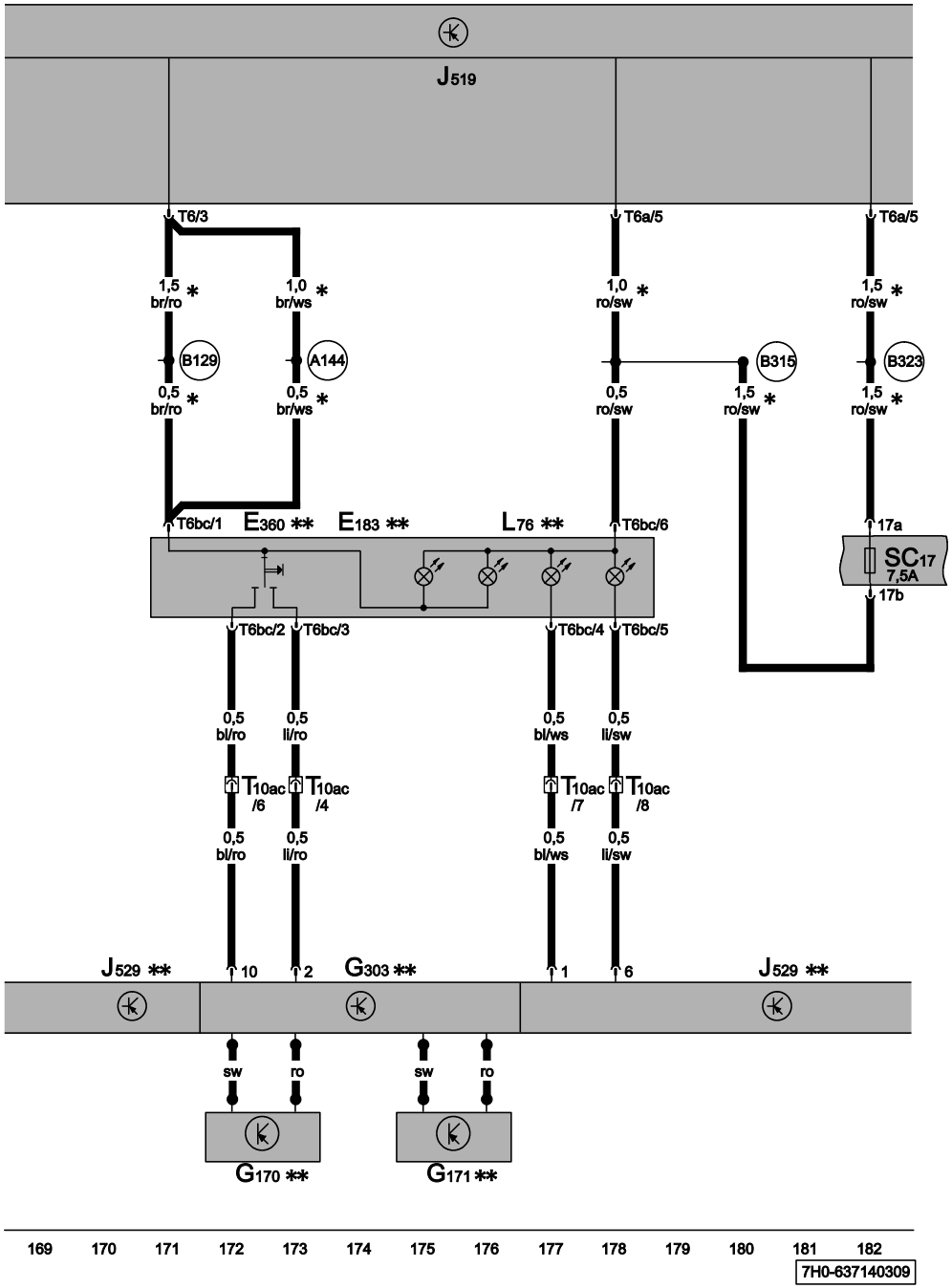
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wire colour is white and wire is printed



ws = white
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Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

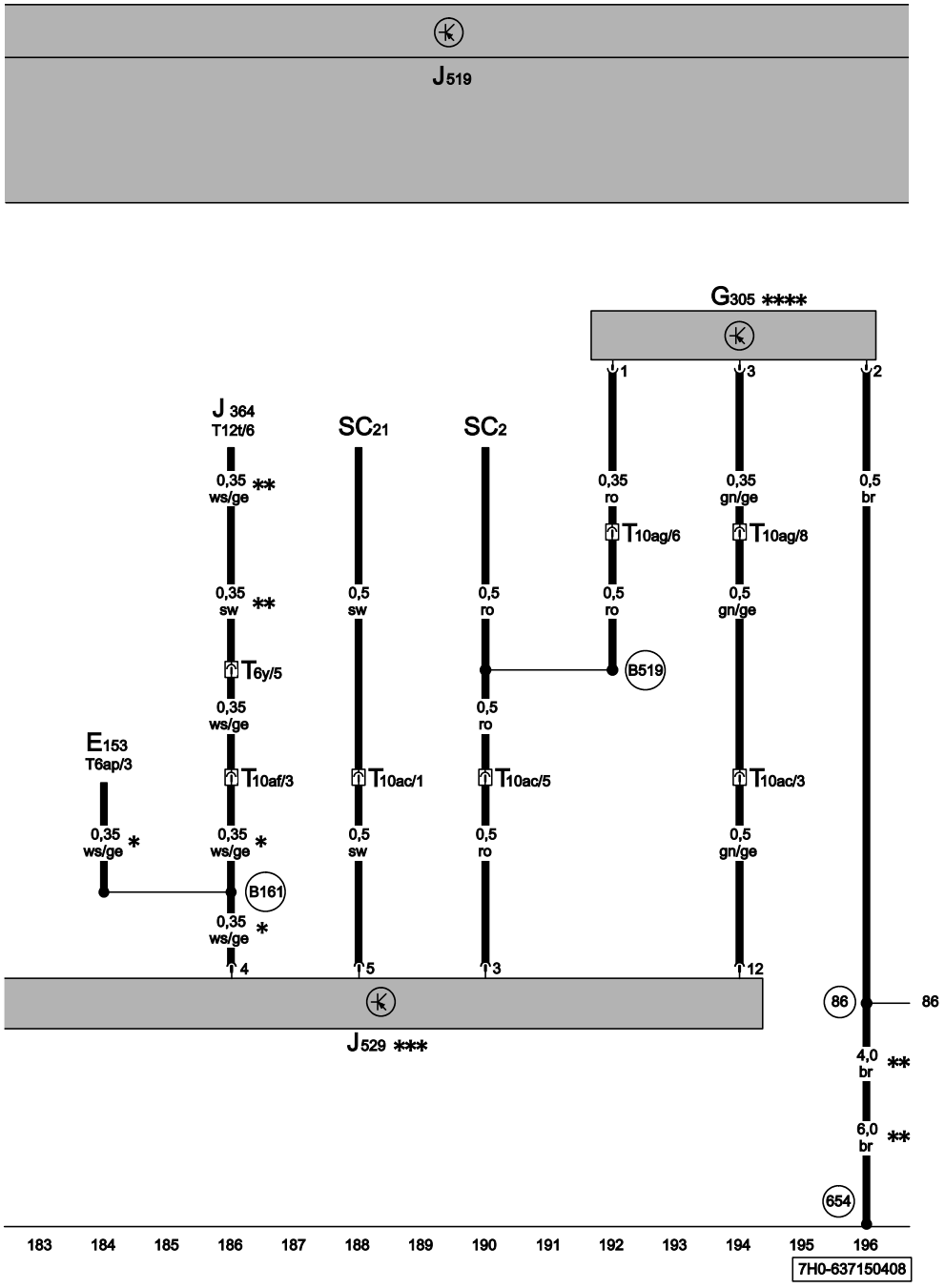
G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sliding/tilting sunroof
**	for models without sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



ws = white
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Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

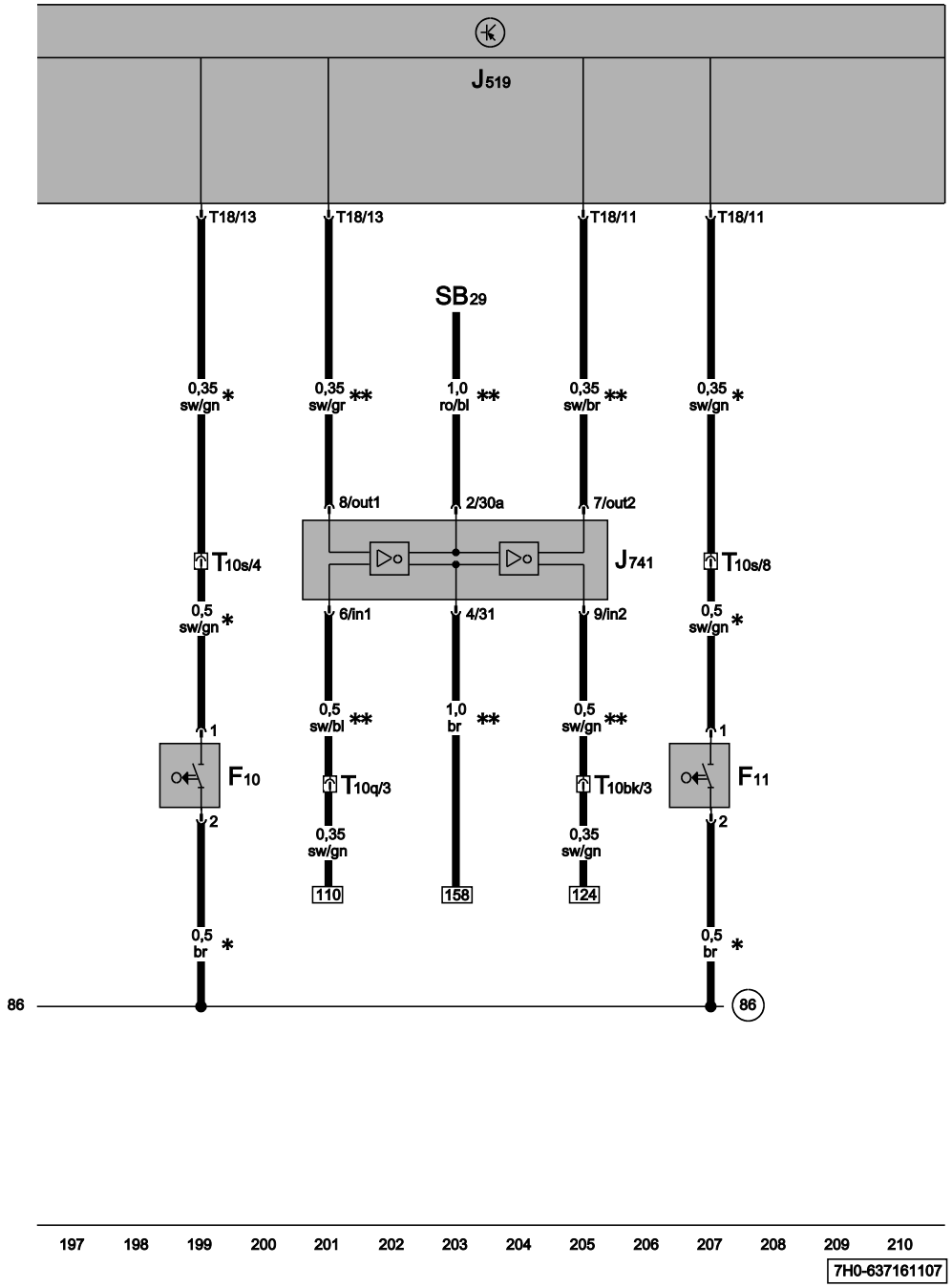
E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ



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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

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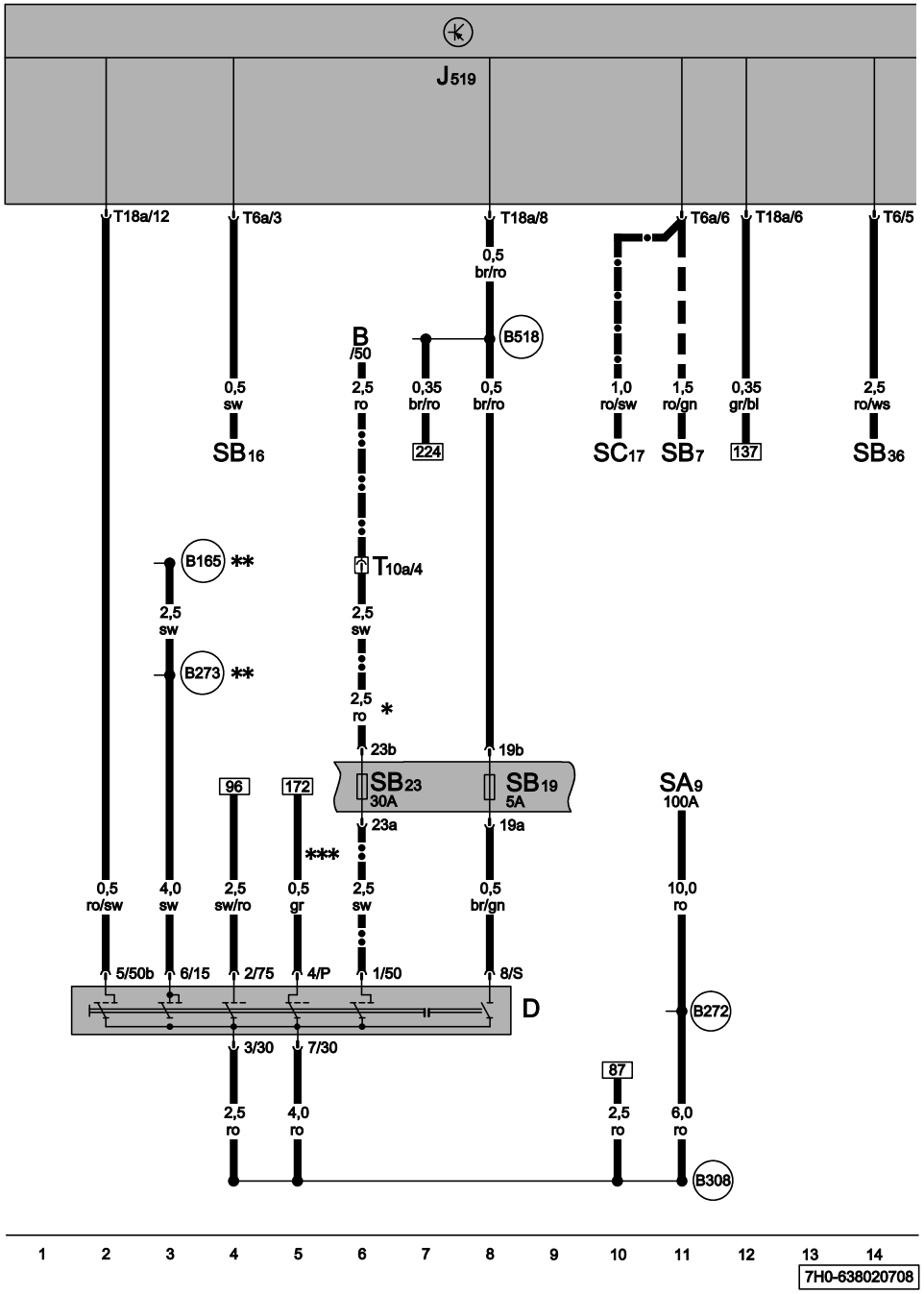
Basic equipment

⇒ **Cruise control system**
⇒ **Multifunction display**
⇒ **Extended servicing intervals**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

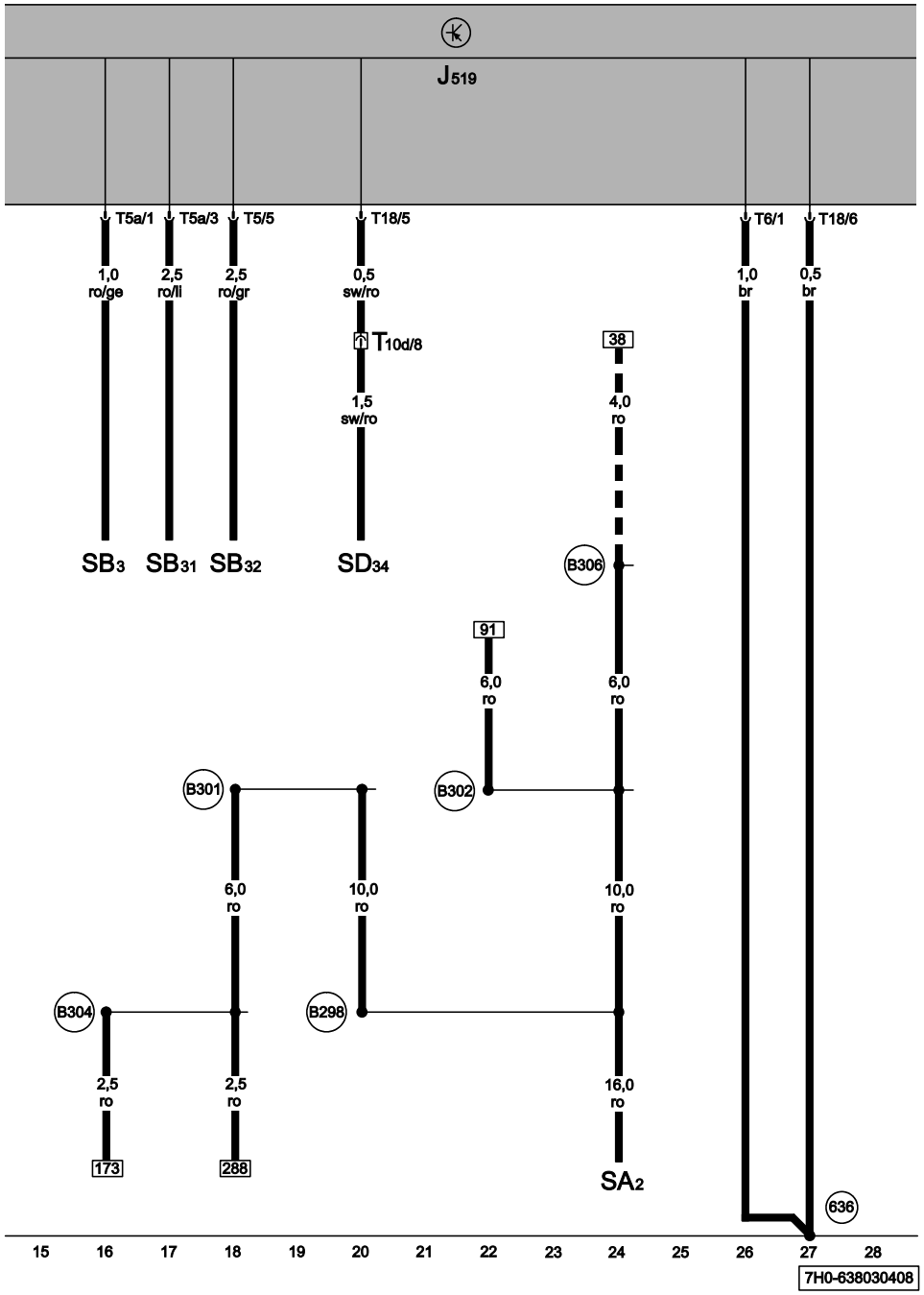


Onboard power supply control unit, ignition/starter switch, fuses

B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
*	applicable from November 2007
**	⇒ Fuse concept 2 Current Flow Diagram
***	for models without day driving light only

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for models without roof console only

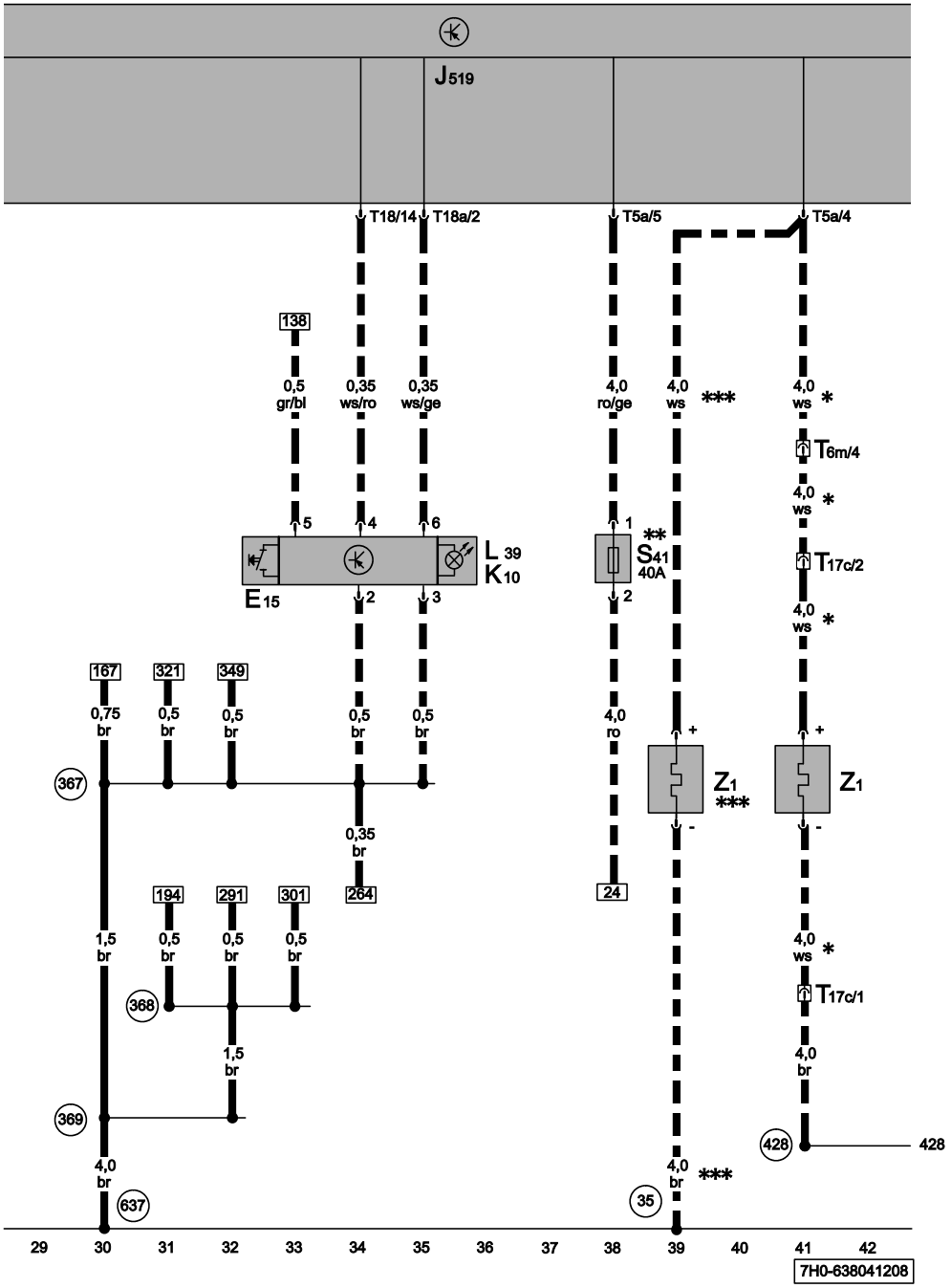


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sw = black
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Onboard power supply control unit, fuses

J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SD34	Fuse 34 on fuse holder D
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness

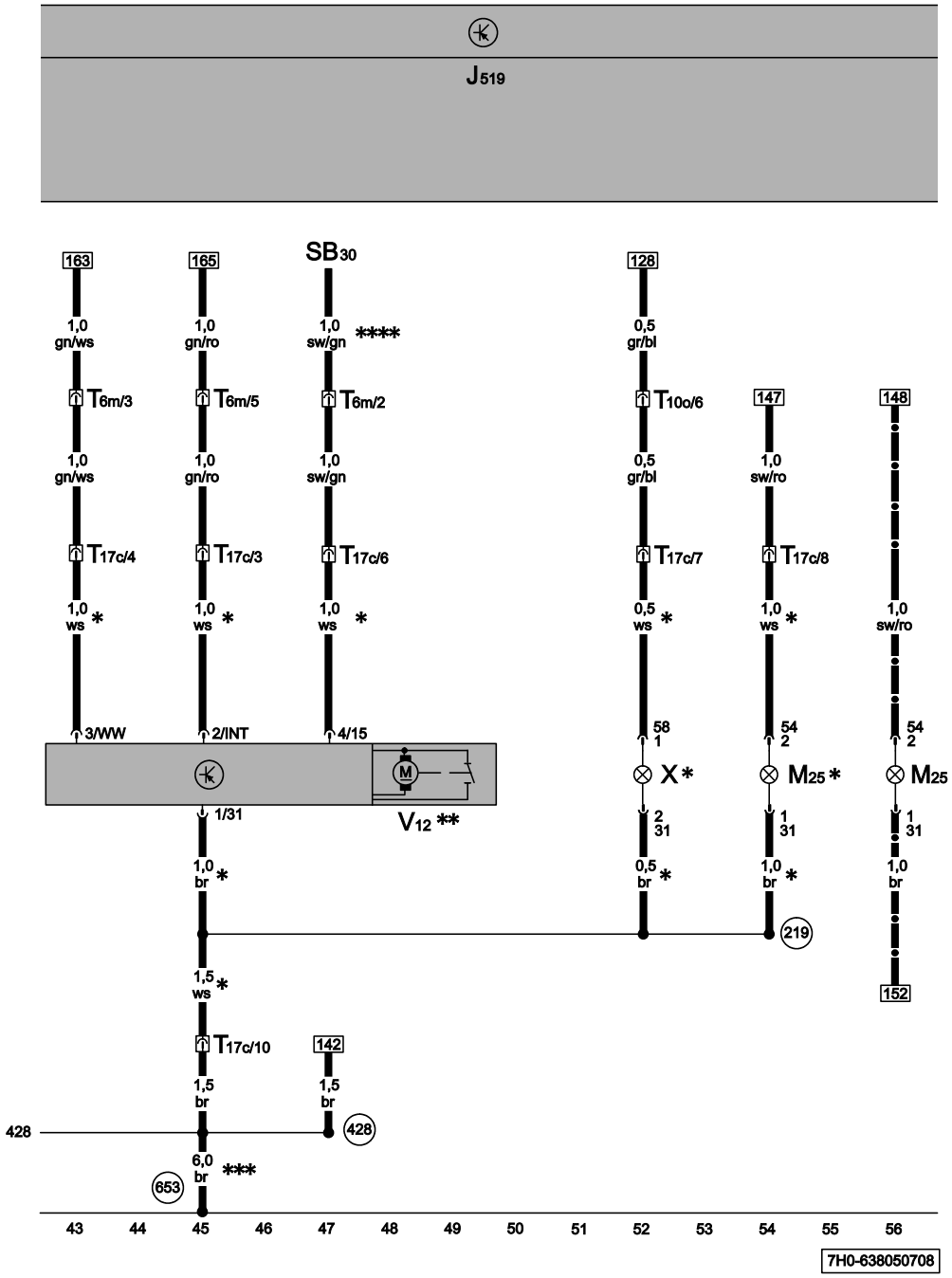
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rs = pink

Onboard supply control unit, heated rear window switch, heated rear window, heated rear window single fuse

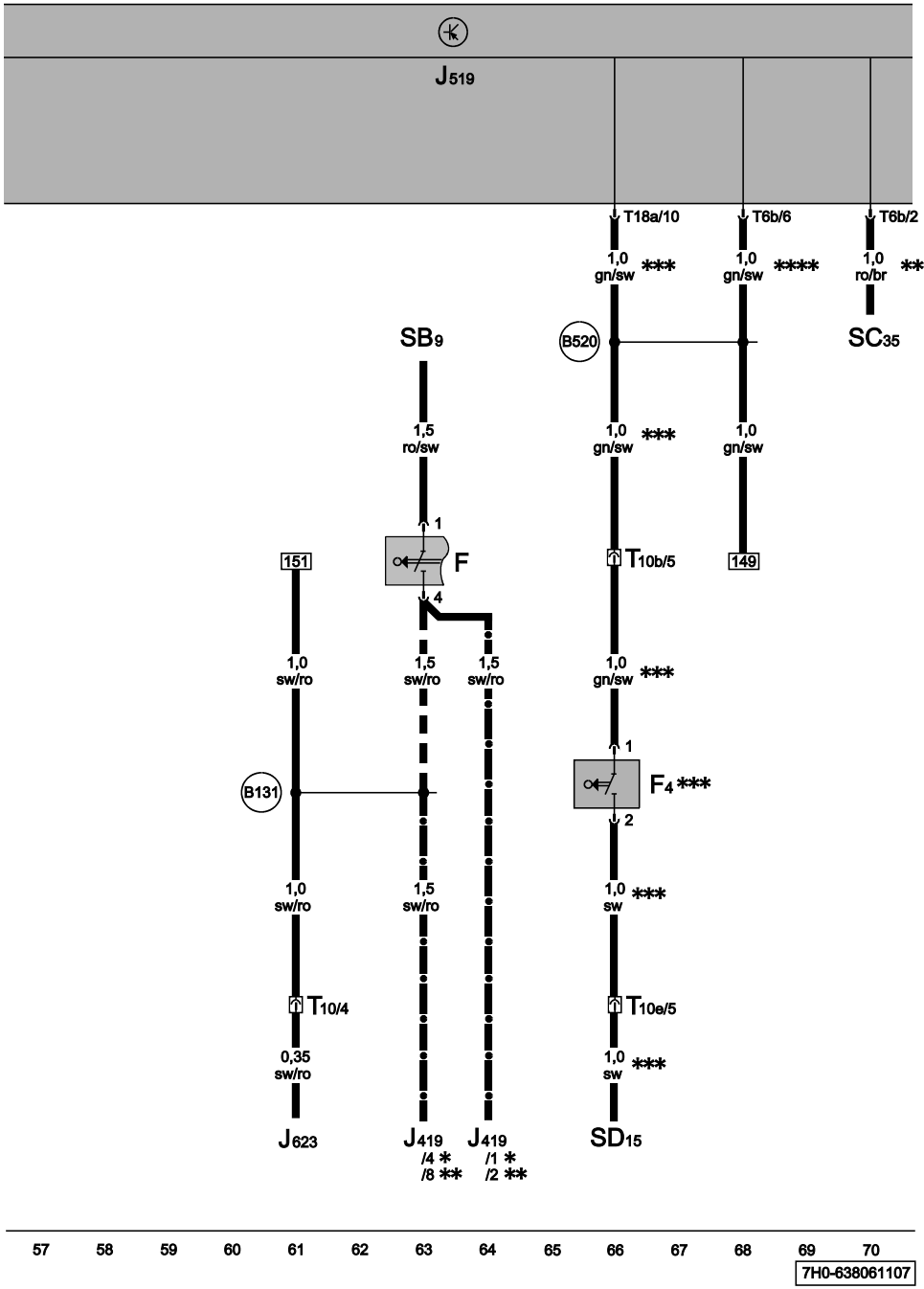
E15	Heated rear window switch
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
S41	Heated rear window fuse
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18	18-pin connector, black
T18a	18-pin connector, brown
Z1	Heated rear window
35	Earth point, under front passenger seat
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
428	Earth connection 4, in left rear end wiring harness
637	Earth point, airbag control unit
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	on relay carrier (1) cockpit ⇒ Fitting Locations
***	for models with driver-/ double cab only
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, rear window wiper motor, number plate light, high level brake light bulb

J519	Onboard supply control unit
M25	High level brake light bulb
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
V12	Rear window wiper motor
X	Number plate light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	for models with rear window wiper only
***	cross-section depends on equipment
****	for models without washer jets heater element only
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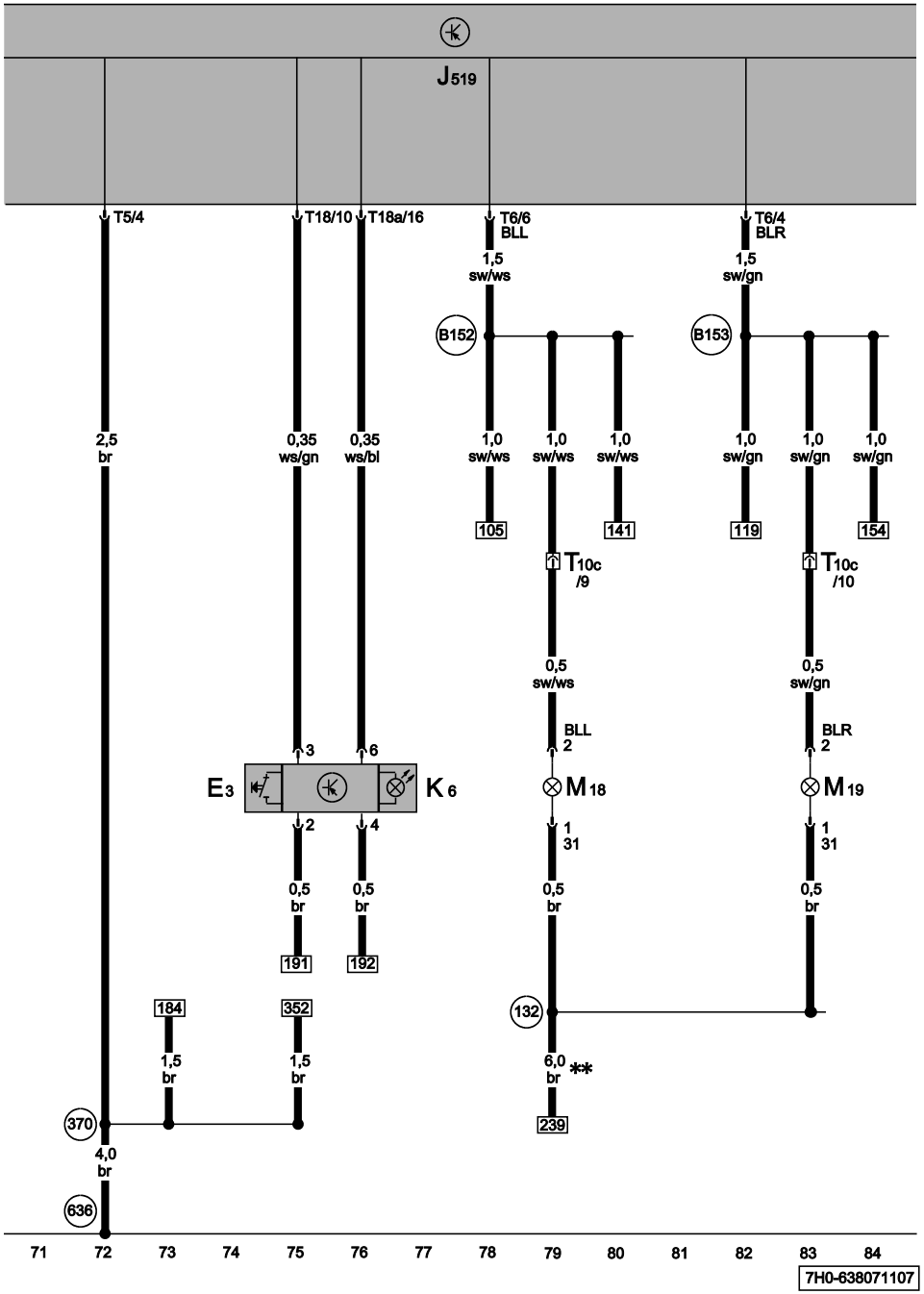
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Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	only models with ESP and without serial trailer towing coupling
**	only models with ESP and serial trailer towing coupling
***	for models with manual gearbox only
****	for models with automatic gearbox only
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or	=	orange
rs	=	pink

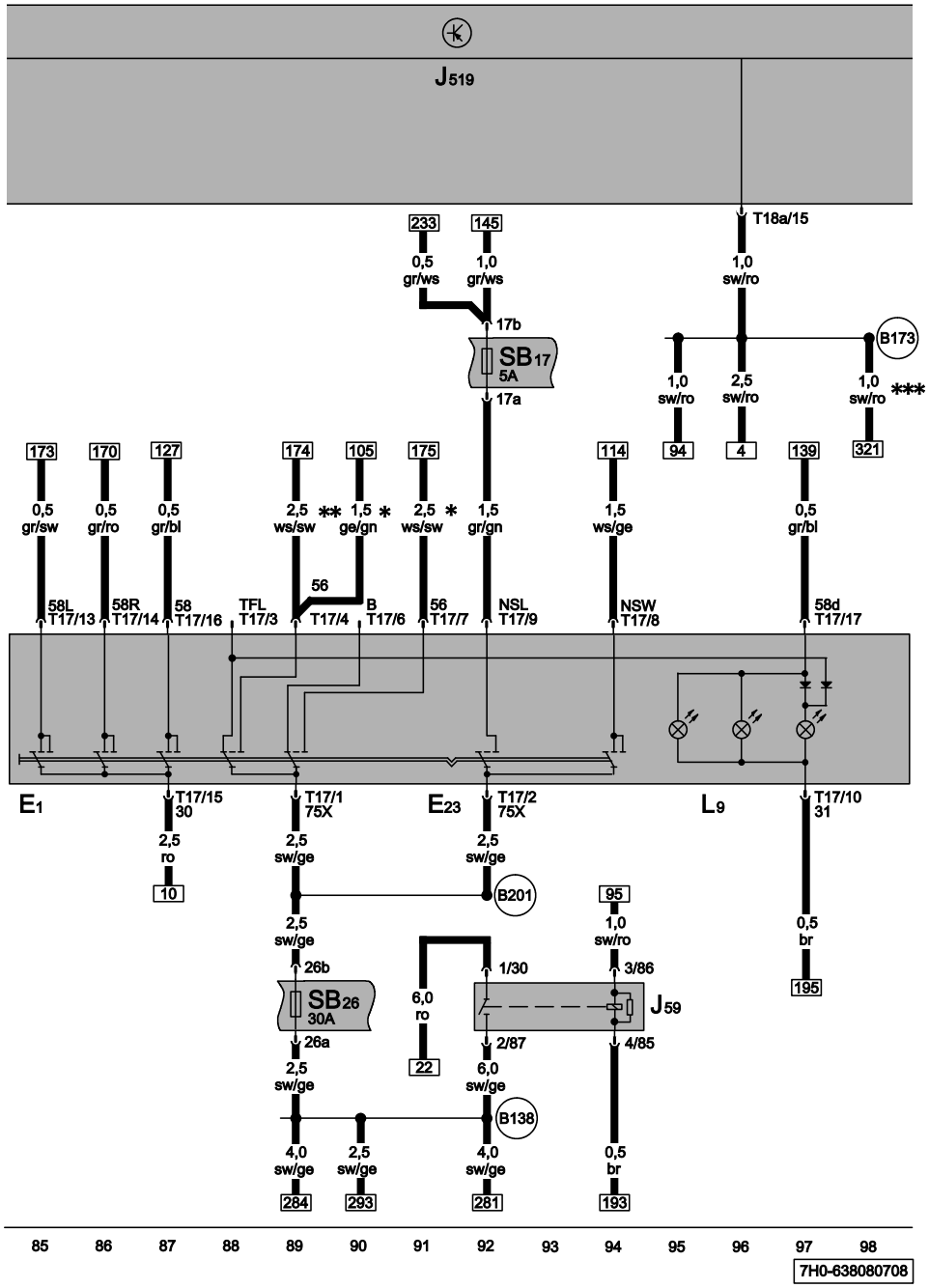
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

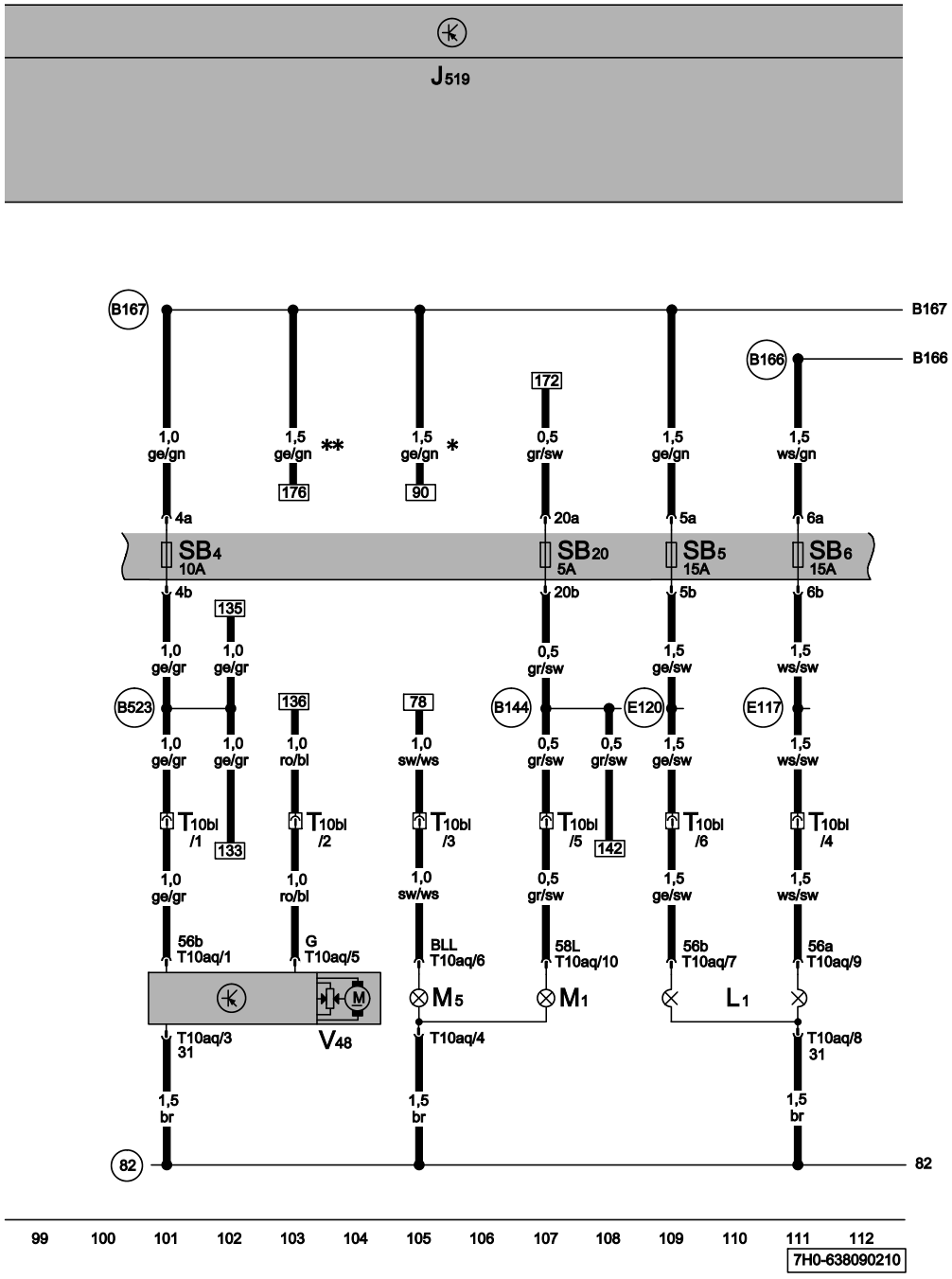
E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T5	5-pin connector, black
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
**	Cross-section 4.0 possible



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch, fuses

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only

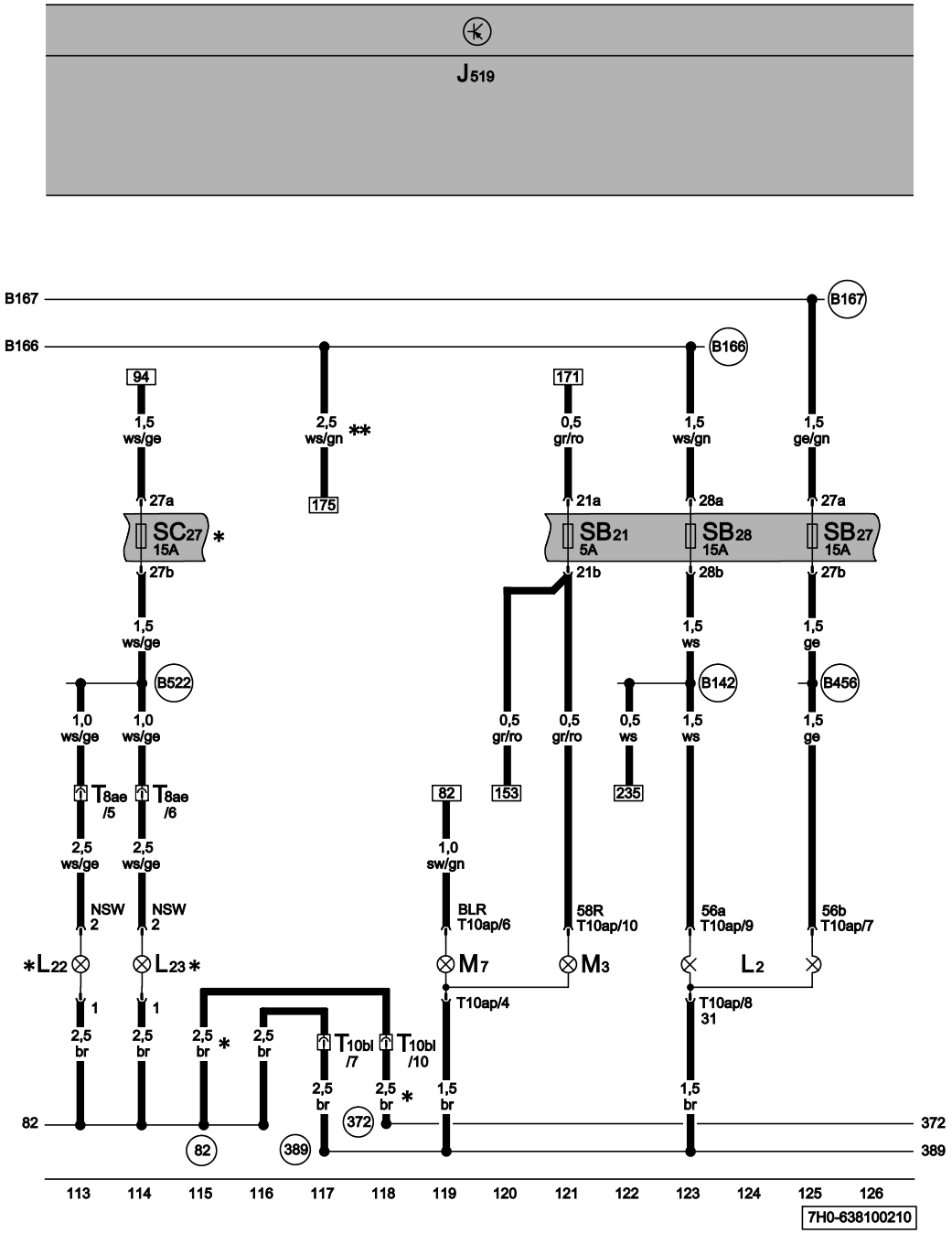
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
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bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

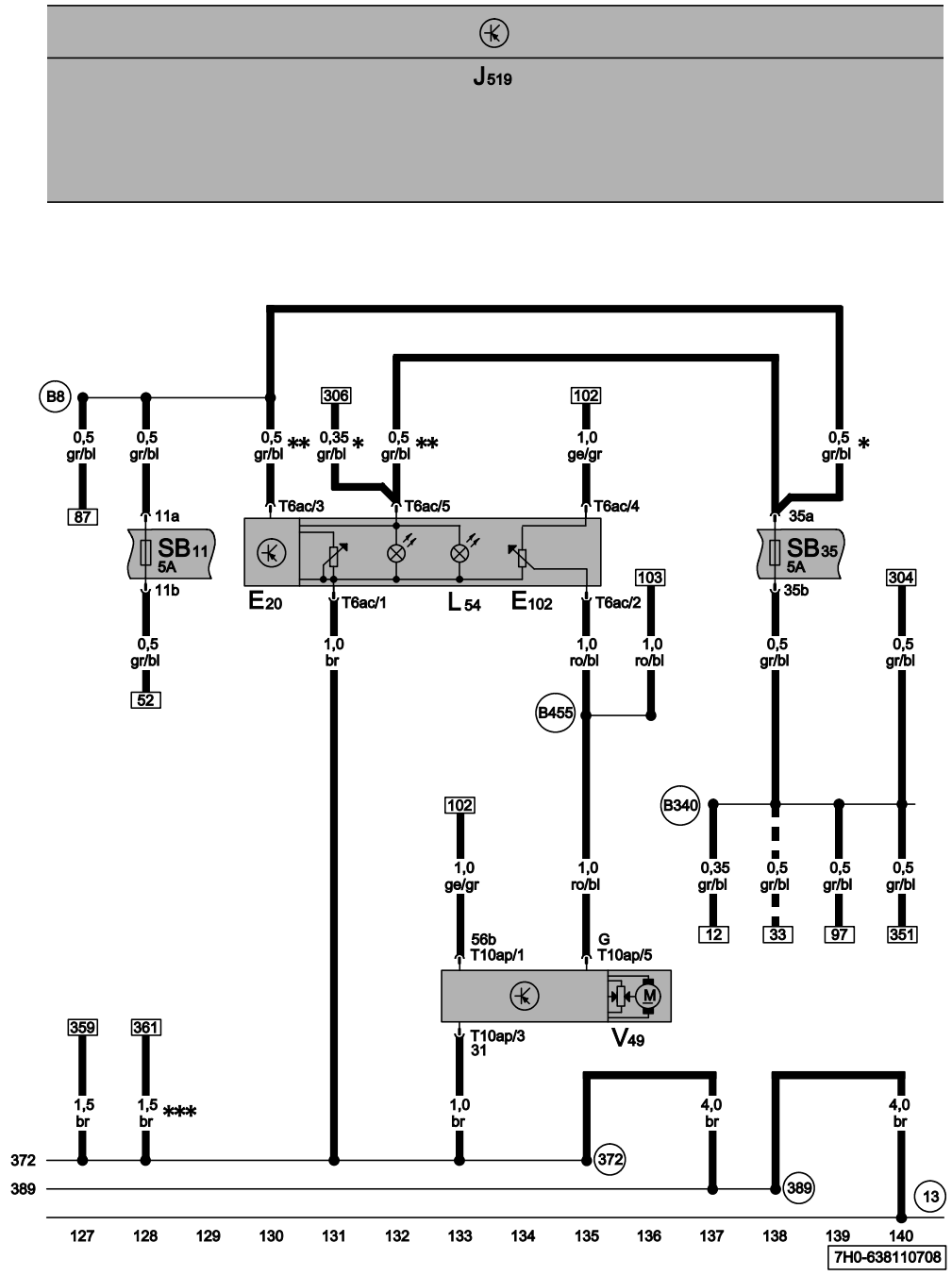
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right headlight twin filament bulb, fog light bulb, right side light bulb, front right turn signal bulb

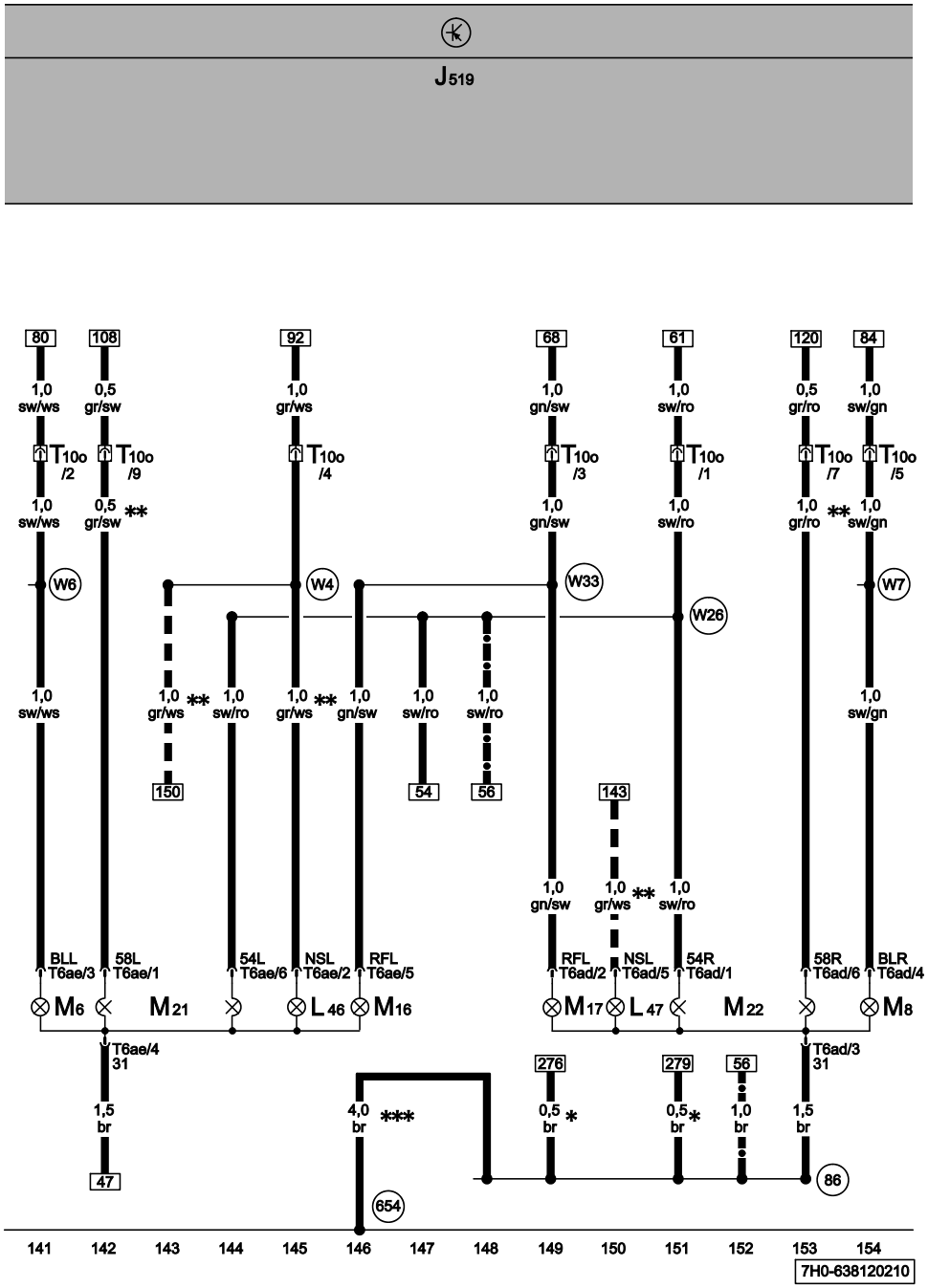
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, fuses

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	for models with dual tone horn only
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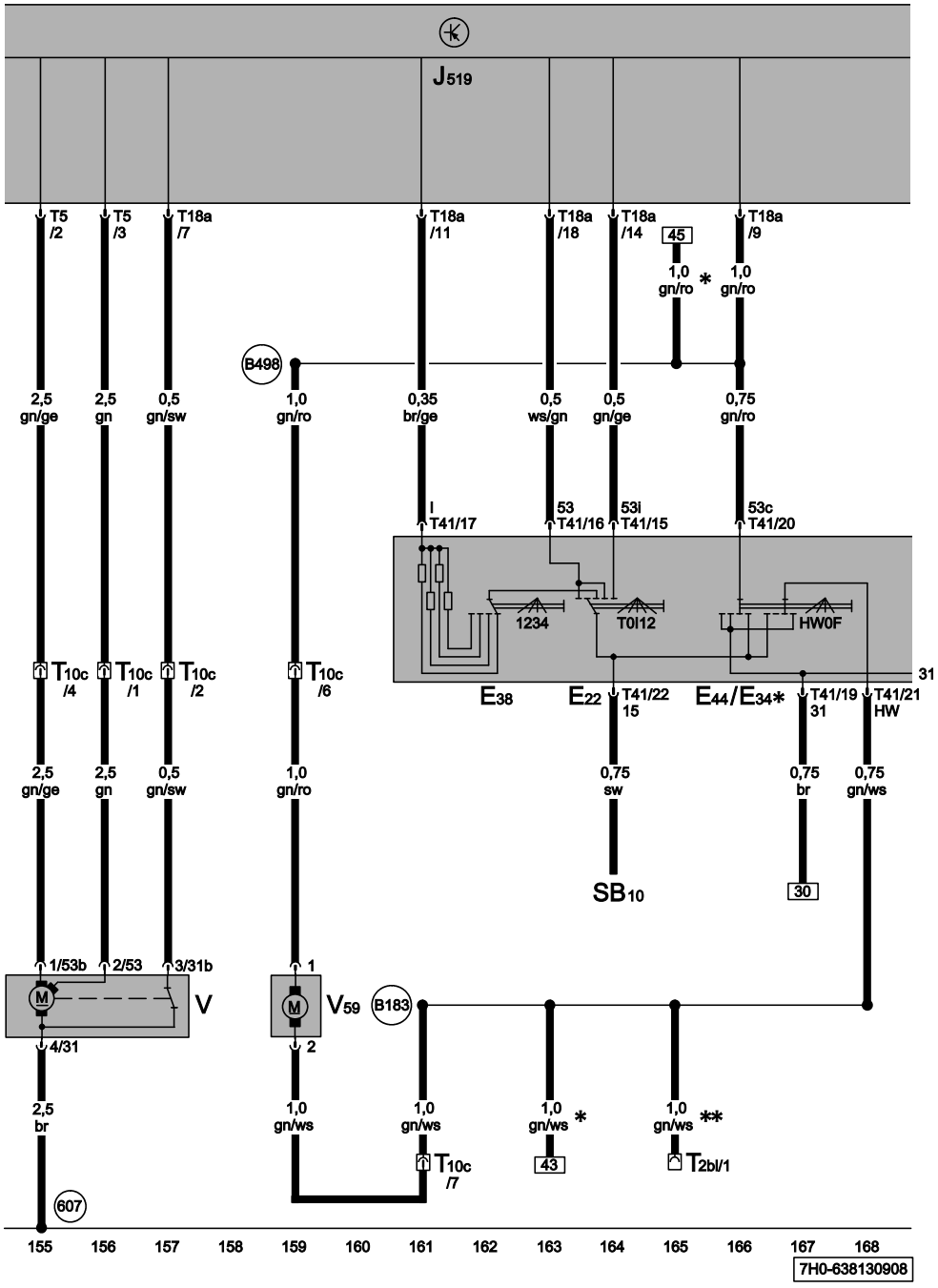
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Left brake and tail light bulb, right brake and tail light bulb, reversing light

J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
W4	Connection 1 (rear fog lights), in rear wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without towing coupling only (1D0)
***	cross-section depends on equipment
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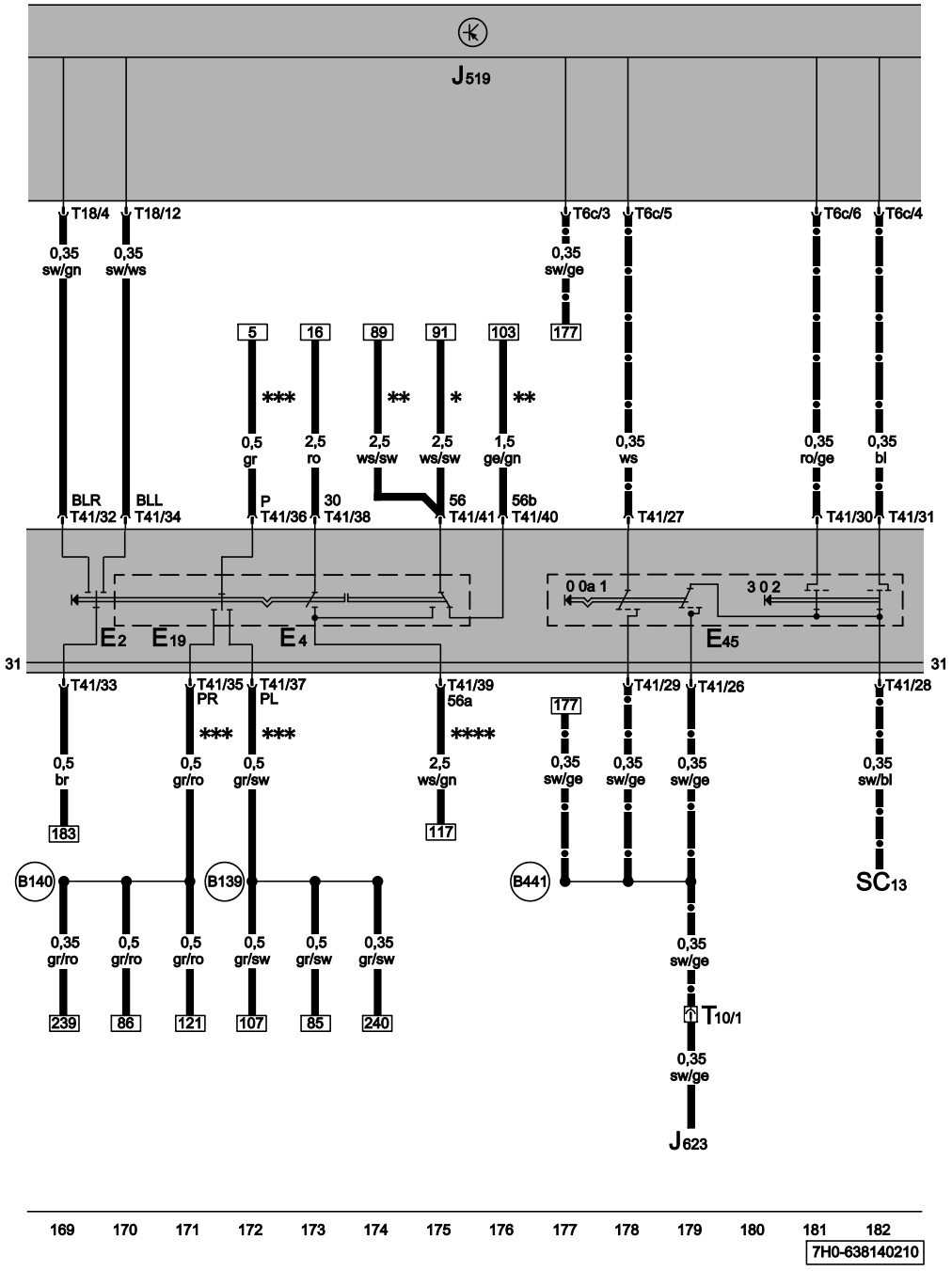
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

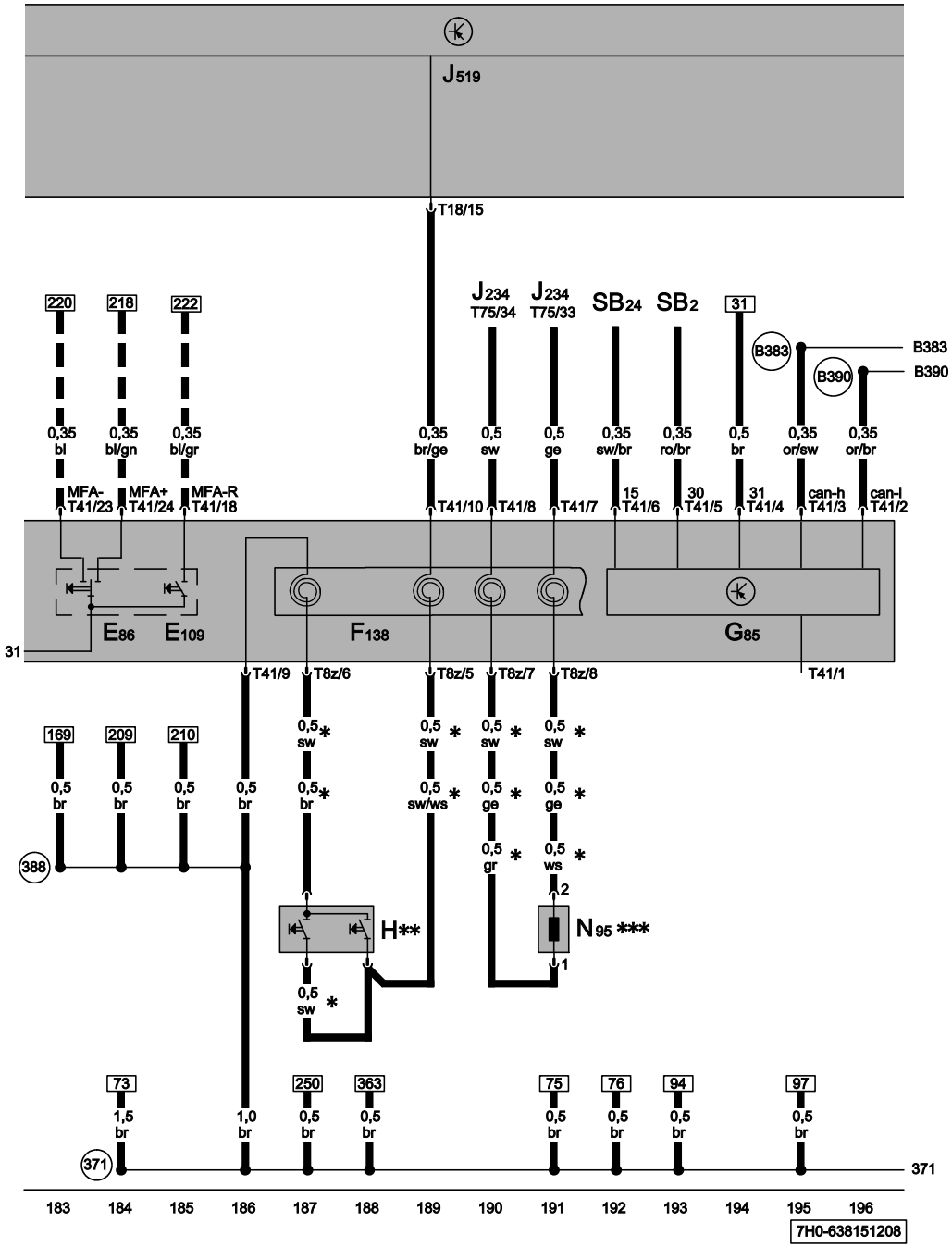
E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T2bl	2-pin connector, black, rear wiper warning lamp interface
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	for models with rear window wiper only
**	for models with optimal equipment police (UF4) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J519	Onboard supply control unit
J623	Engine control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for models without day driving light only
****	for models without taxi equipment only
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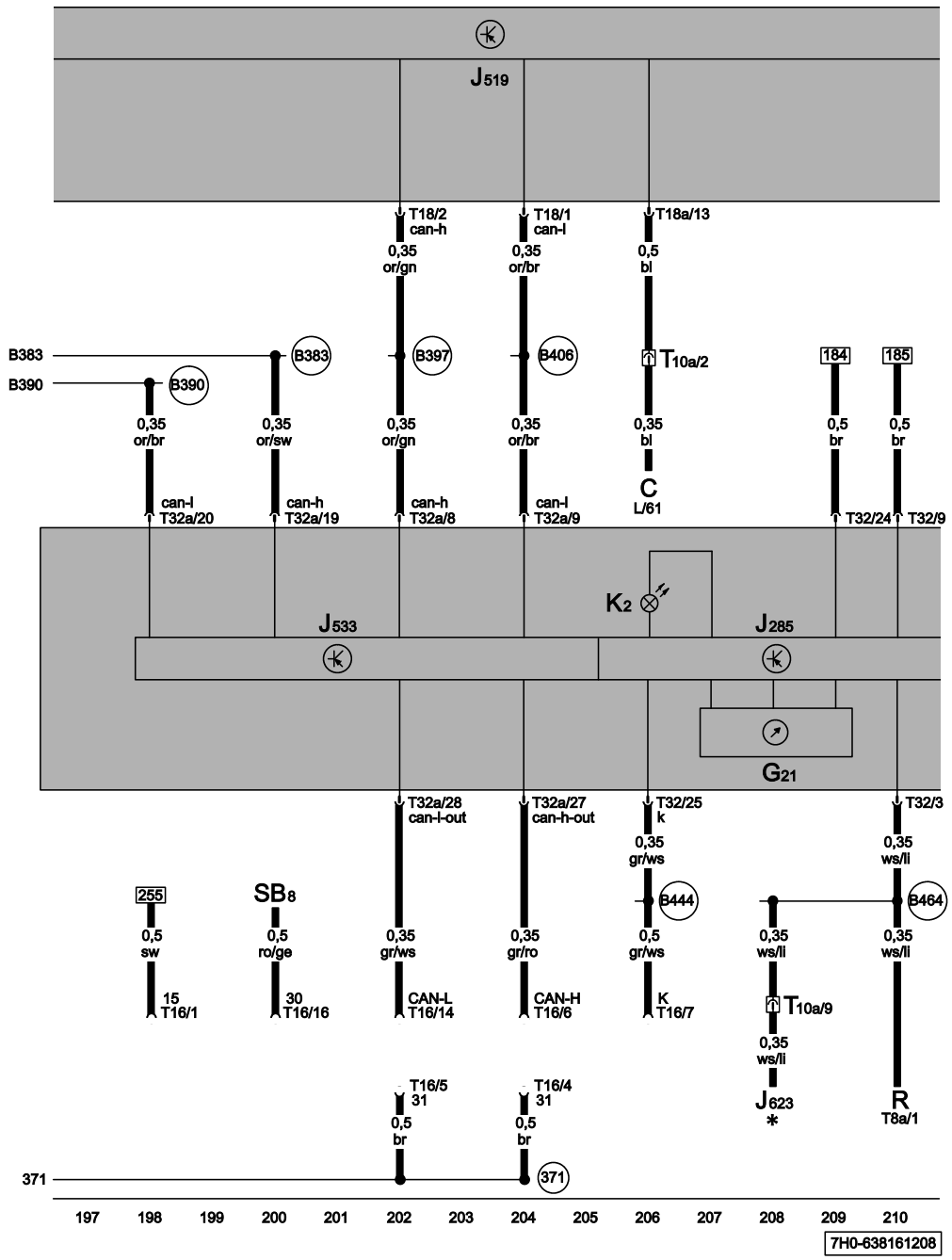


Onboard supply control unit, horn plate, driver side airbag igniter, airbag coil connector and return ring with slip ring, steering angle sender, multifunction display call-up button, multifunction display memory switch

E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
(371)	Earth connection 6, in main wiring harness
(388)	Earth connection 23, in main wiring harness
(B383)	Connection 1 (drive train CAN bus, high), in main wiring harness
(B390)	Connection 1 (drive train CAN bus, low), in main wiring harness
*	depends on equipment
**	for models without multifunction steering wheel only ⇒ Multifunction display Current Flow Diagram
***	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
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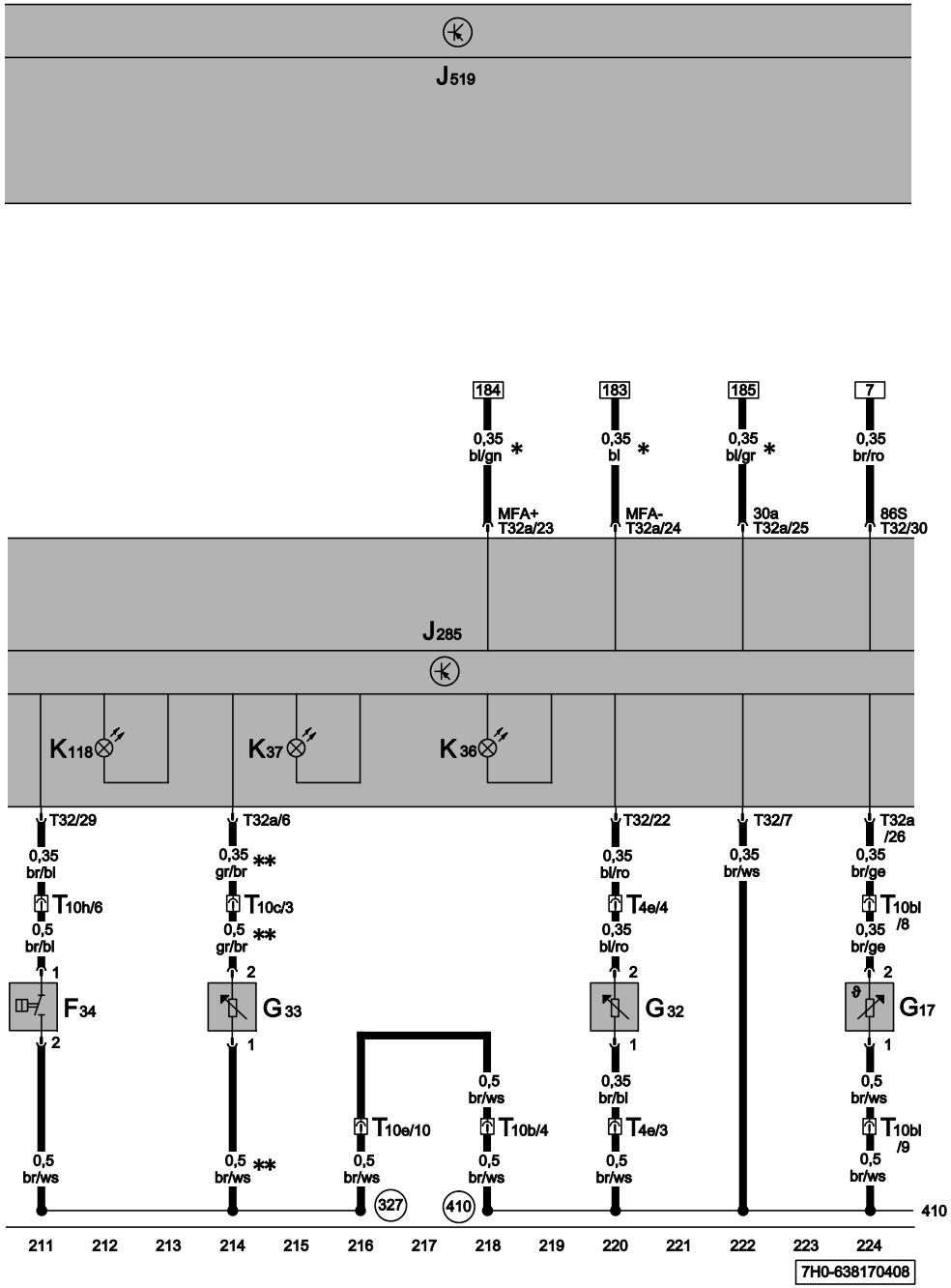
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or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, control unit in dash panel insert, diagnostic connector, data bus diagnostic interface, alternator, speedometer, alternator warning lamp

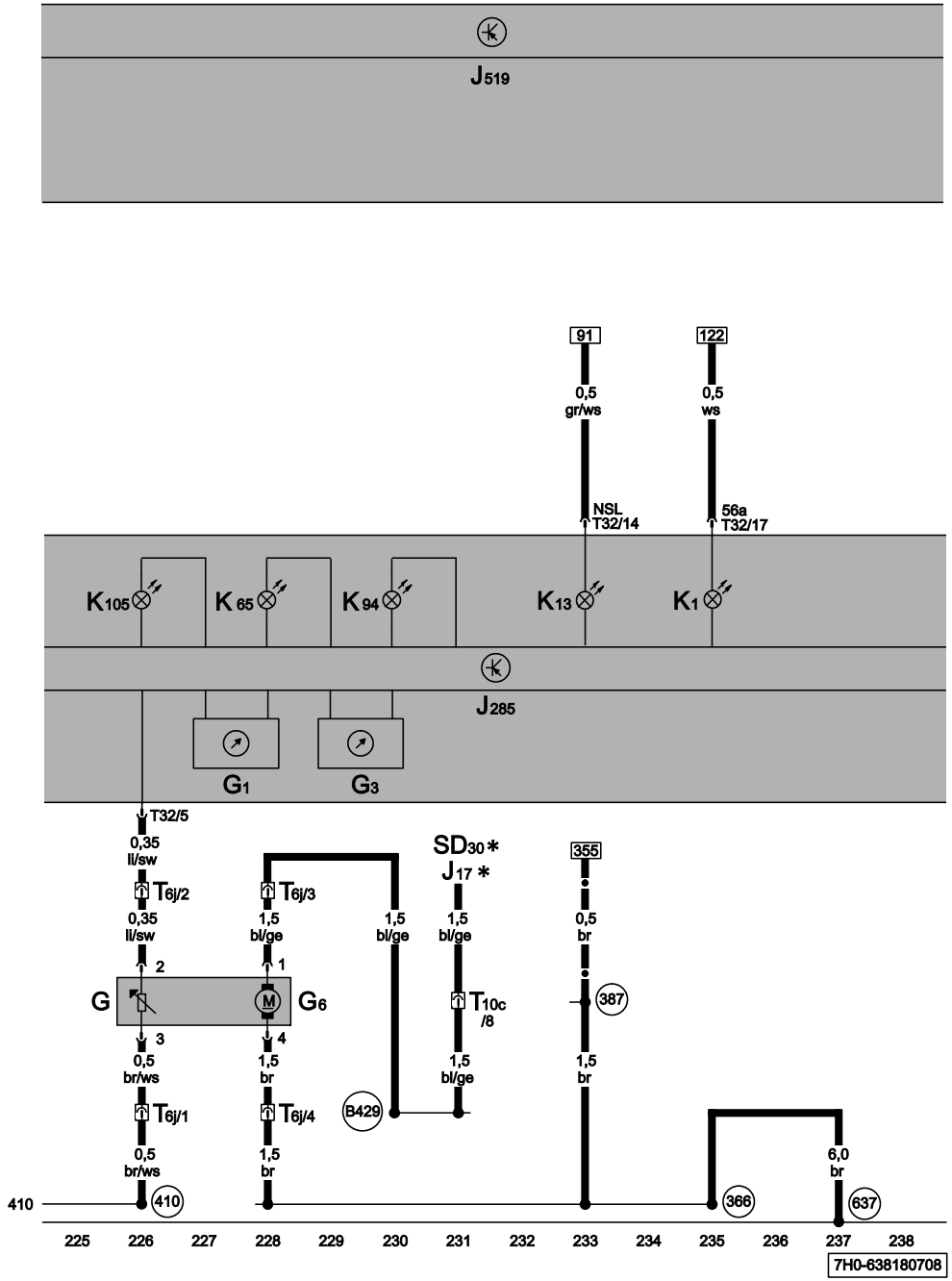
C	Alternator
G21	Speedometer
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
J623	Engine control unit
K2	Alternator warning lamp
R	Radio
SB8	Fuse 8 on fuse holder B
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	⇒ engine Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only
**	for models with windscreen washer fluid level sender only



Dash panel insert, fuel gauge, coolant temperature gauge, warning lamps, fuel pump, fuel gauge sender

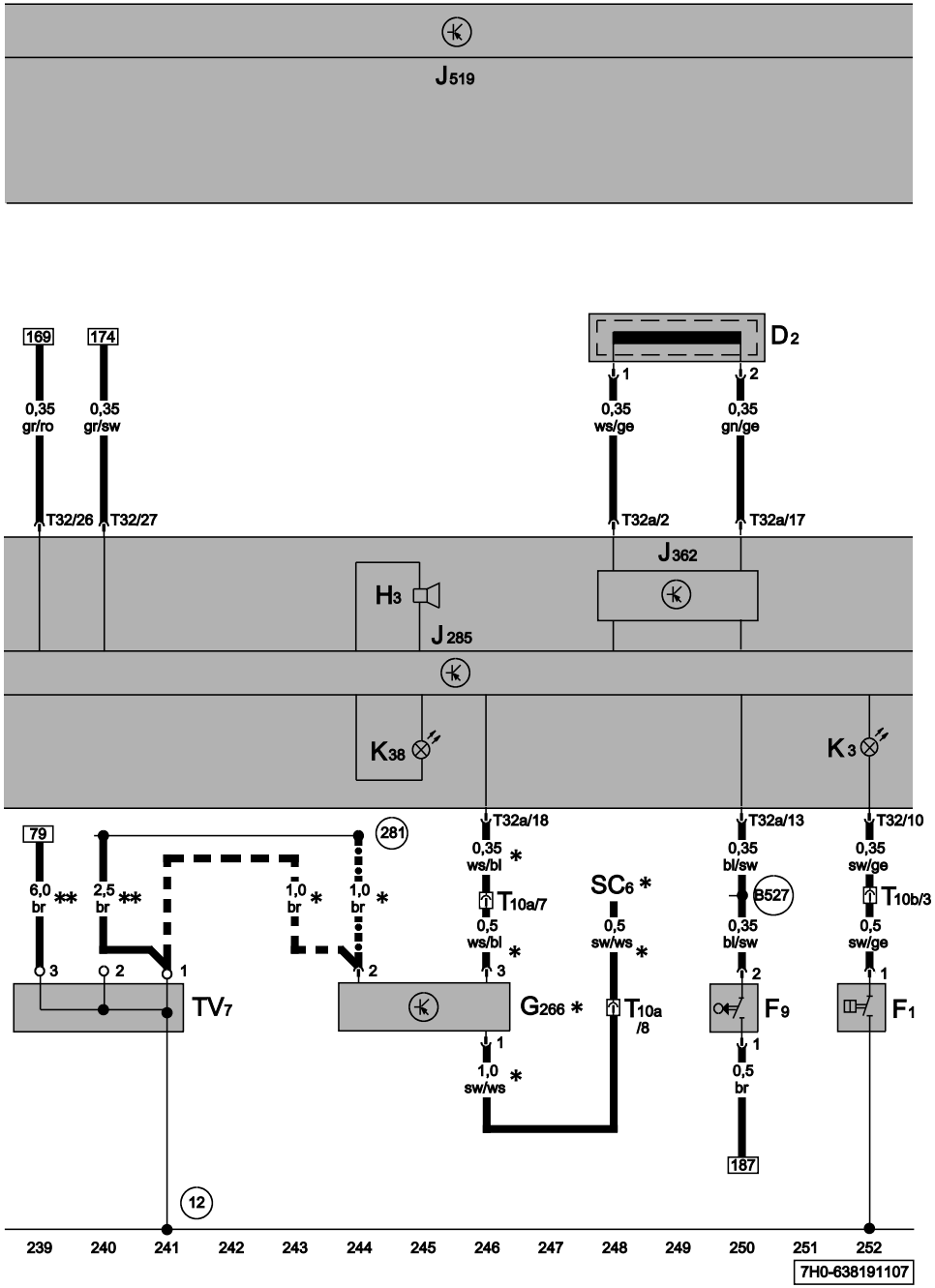
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
SD30	Fuse 30 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	⇒ engine Current Flow Diagram

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for models with multimedia bus for external audio source (9WL) only

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br	=	brown	
gn	=	green	
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white

Dash panel insert, warning lamps, oil pressure switch, oil level and oil temperature sender, handbrake warning switch, immobiliser reader coil, buzzer and gong

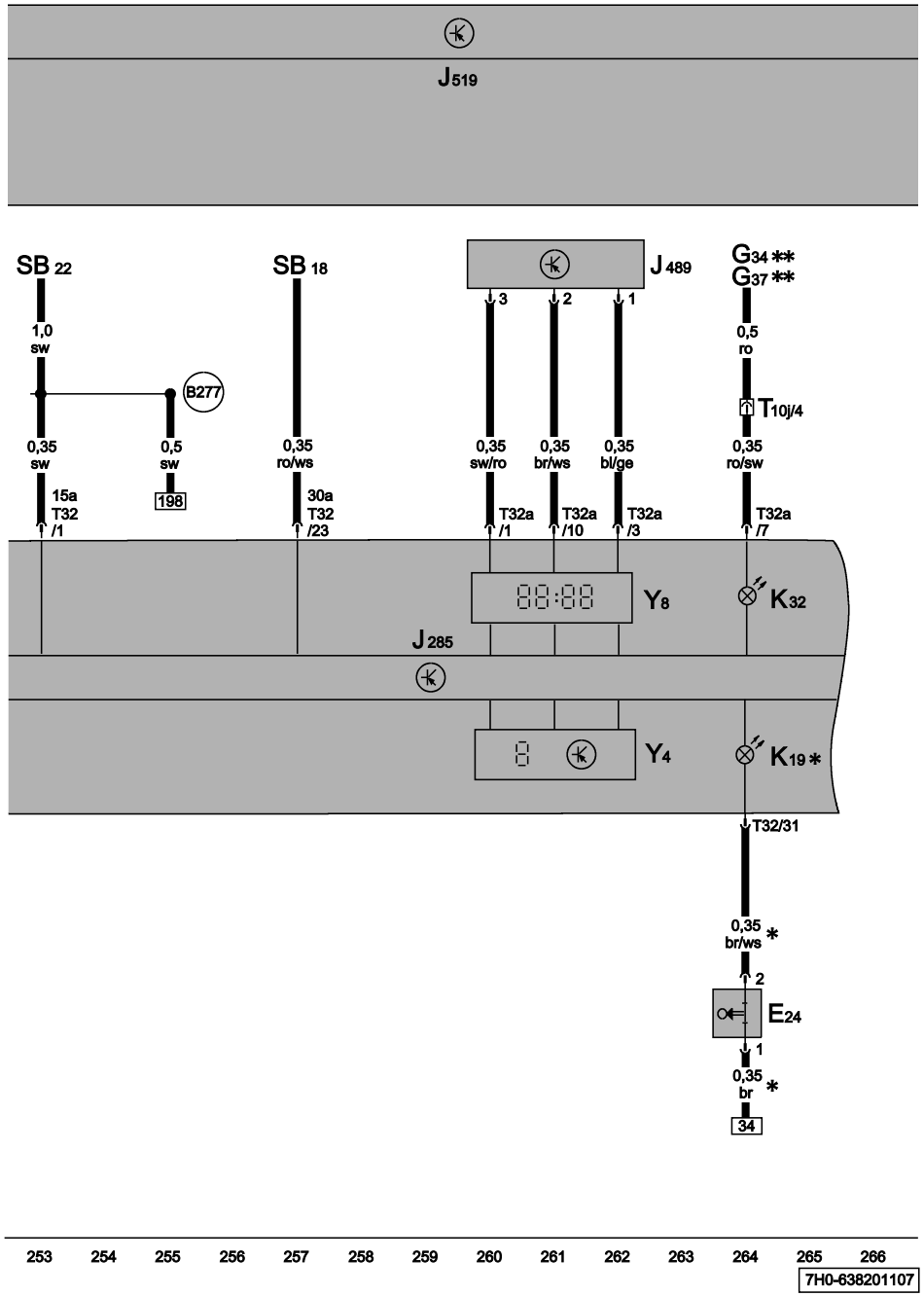
D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B527	Connection (handbrake), in main wiring harness
*	for models with extended servicing intervals only
**	Cross-section 4.0 possible

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for models with manual gearbox only

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for models with automatic gearbox only

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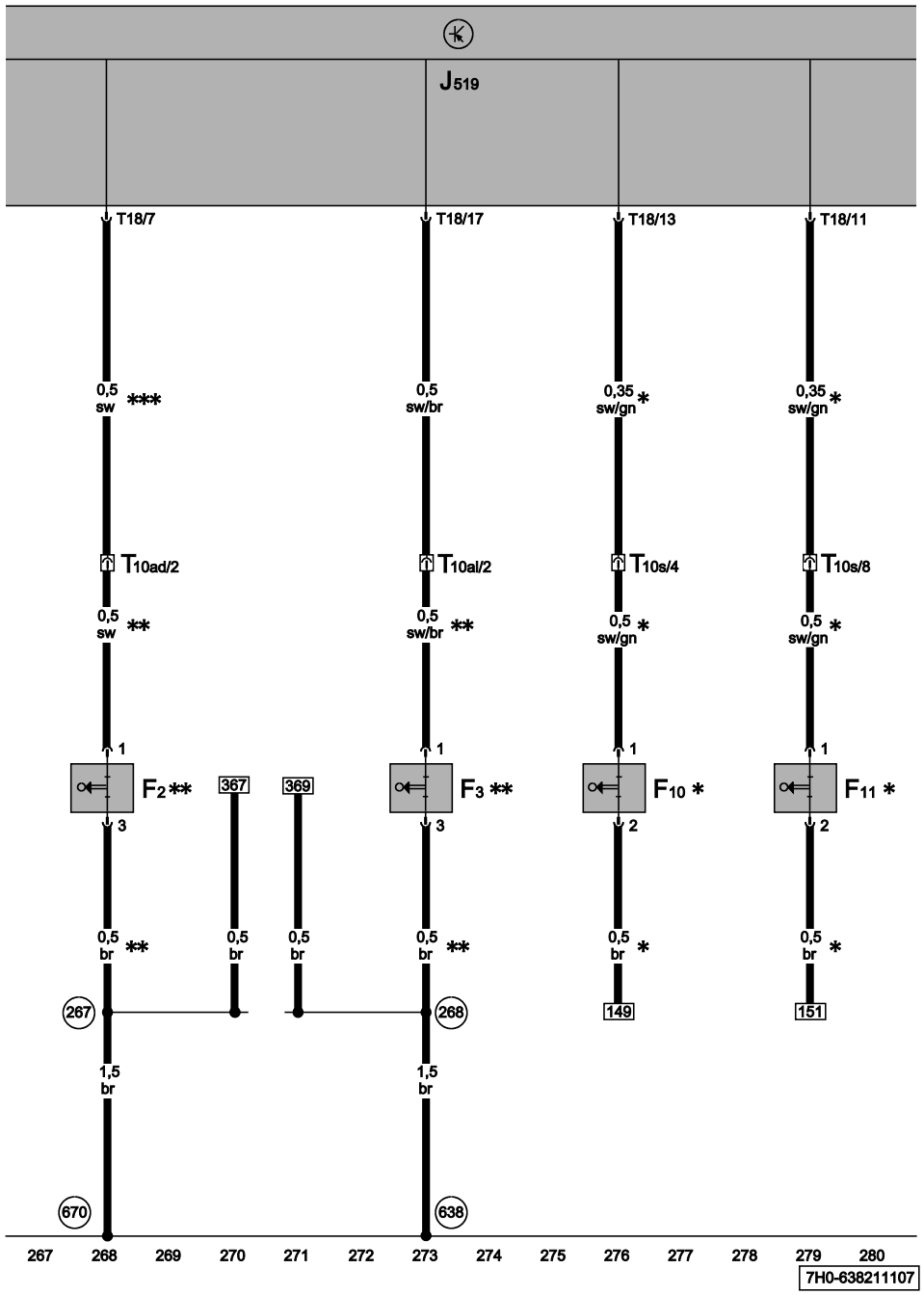
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Dash panel insert, seat belt warning system warning lamp, brake pad warning lamp, belt switch, brake pad wear sender, radio controlled clock

E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J519	Onboard supply control unit
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	for models with belt switch only
**	⇒ ABS Current Flow Diagram

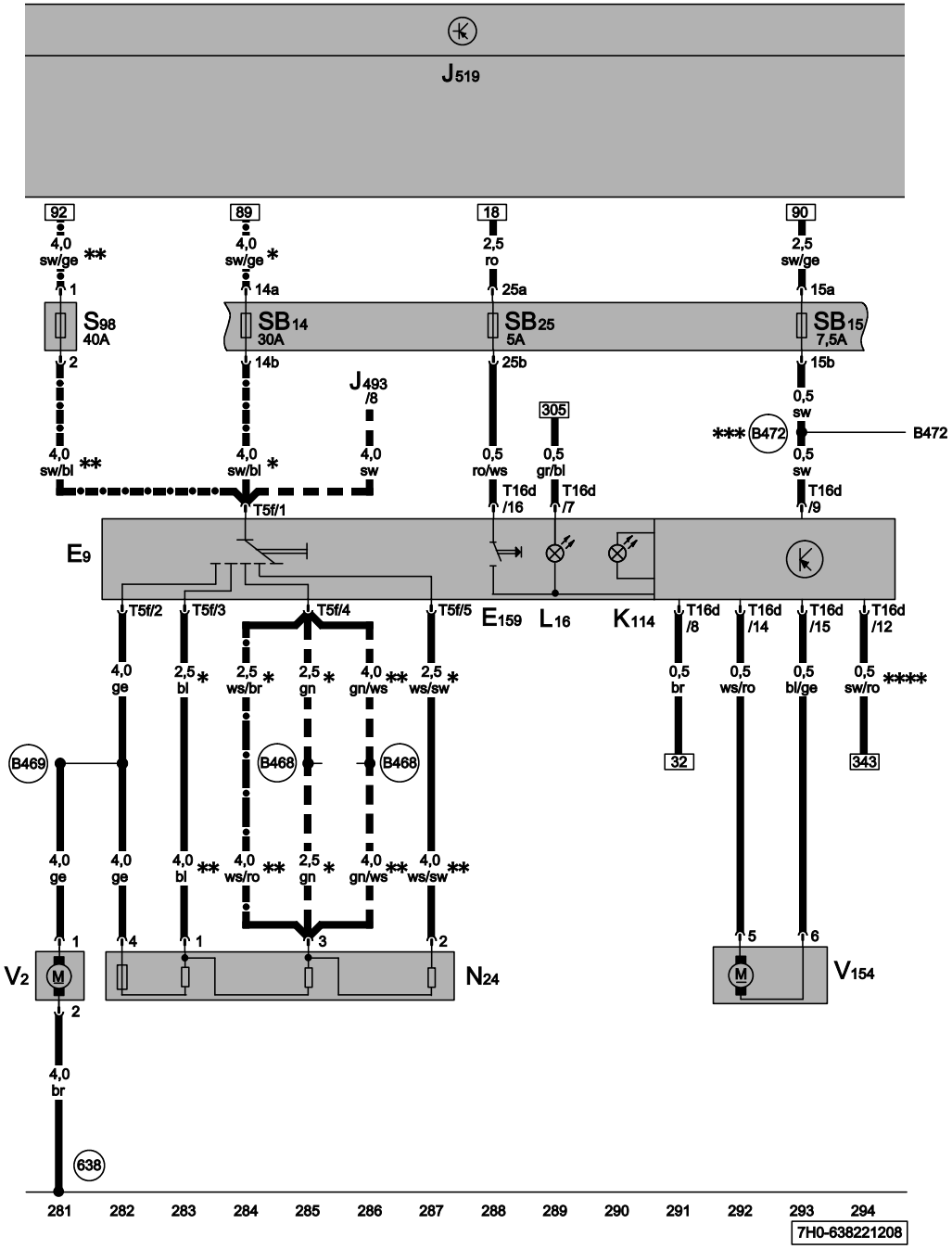
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or	=	orange
rs	=	pink



Onboard supply control unit, door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without central locking only
***	for models without taxi equipment only, from November 2007 for all levels of equipment

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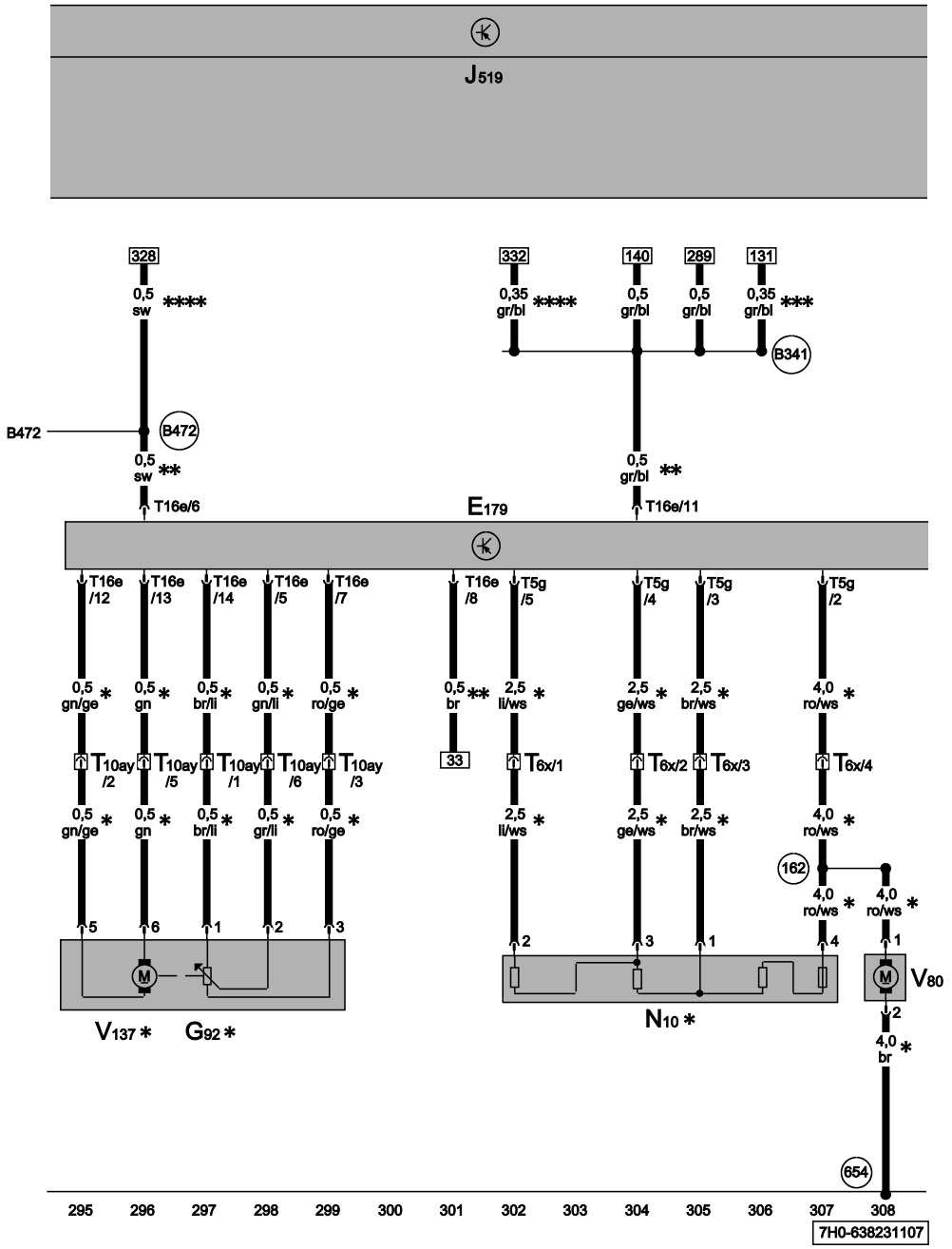
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Fuses, fresh air blower switch, fresh air and air recirculation flap switch, fresh air blower, fresh air blower series resistor with overheating fuse, fresh air and air recirculation flap control motor

E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB14	Fuse 14 on fuse holder B
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness
*	applicable up to October 2007
**	applicable from November 2007
***	depends on equipment
****	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
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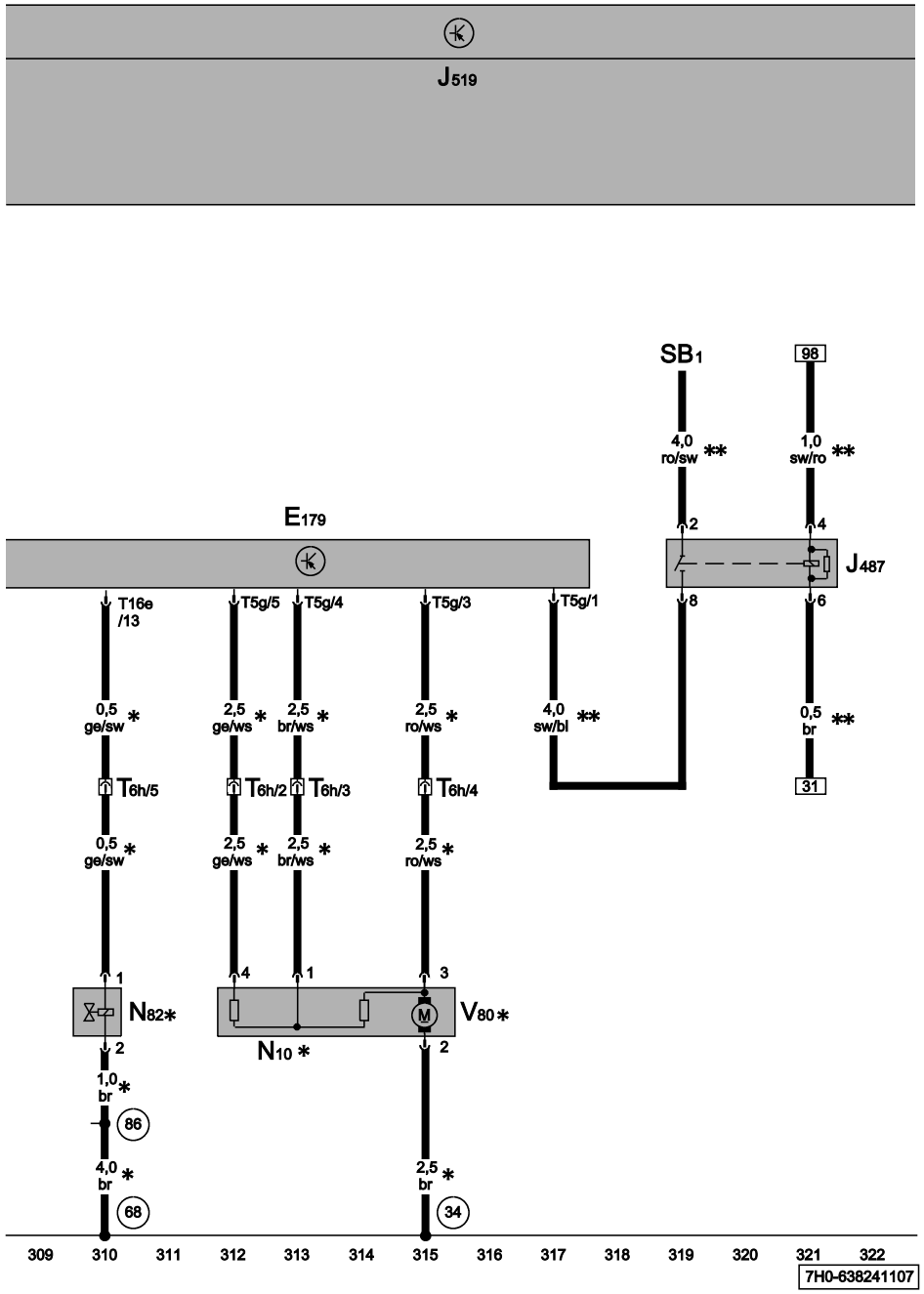
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, rear temperature flap control motor, potentiometer for temperature flap control motor

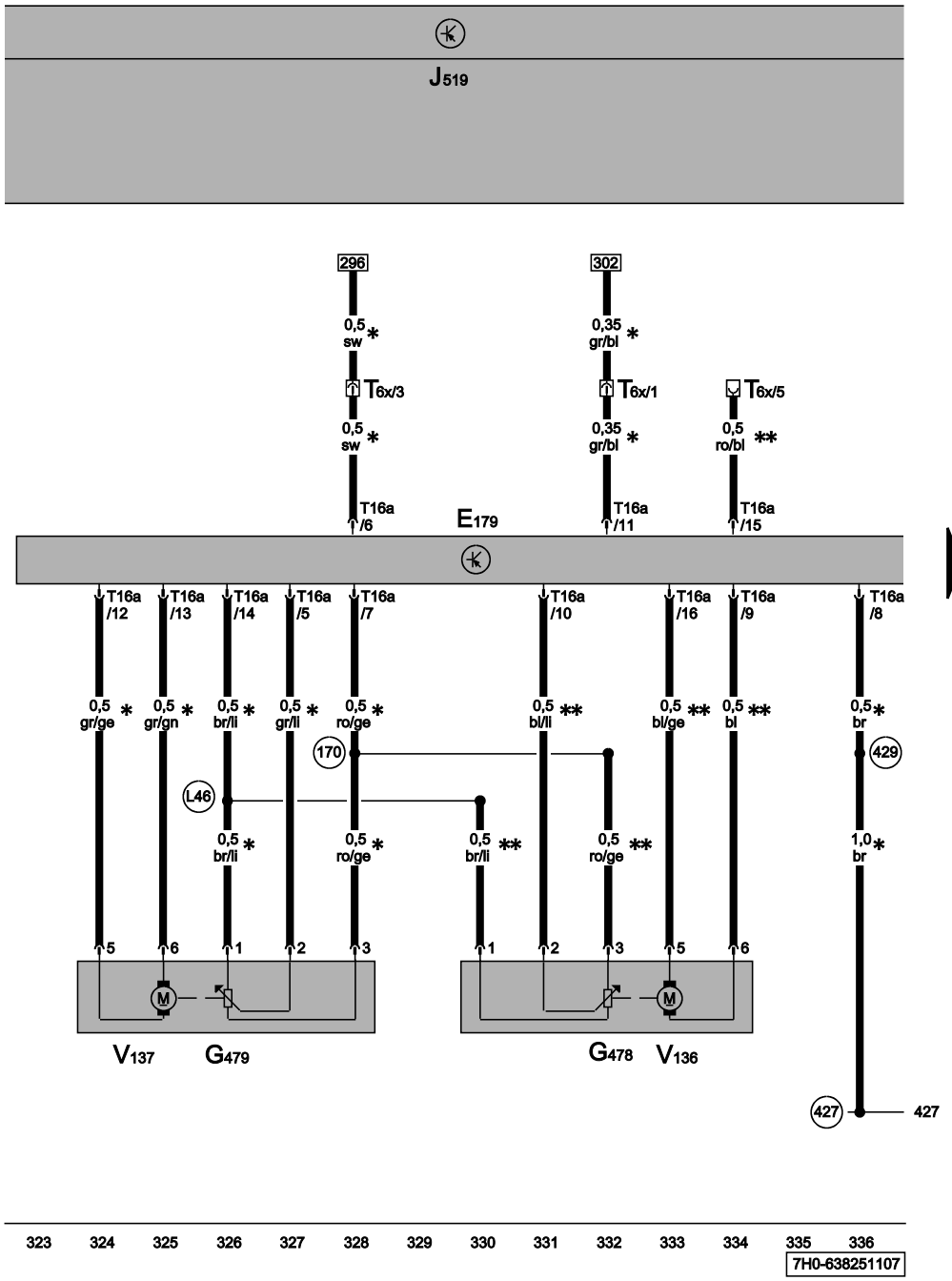
E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
162	Earth connection, in blower motor wiring harness
654	Earth point, right D-pillar
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	for box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only, not for double cab
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only
***	for models without dimming instruments illumination only
****	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay, coolant shut-off valve

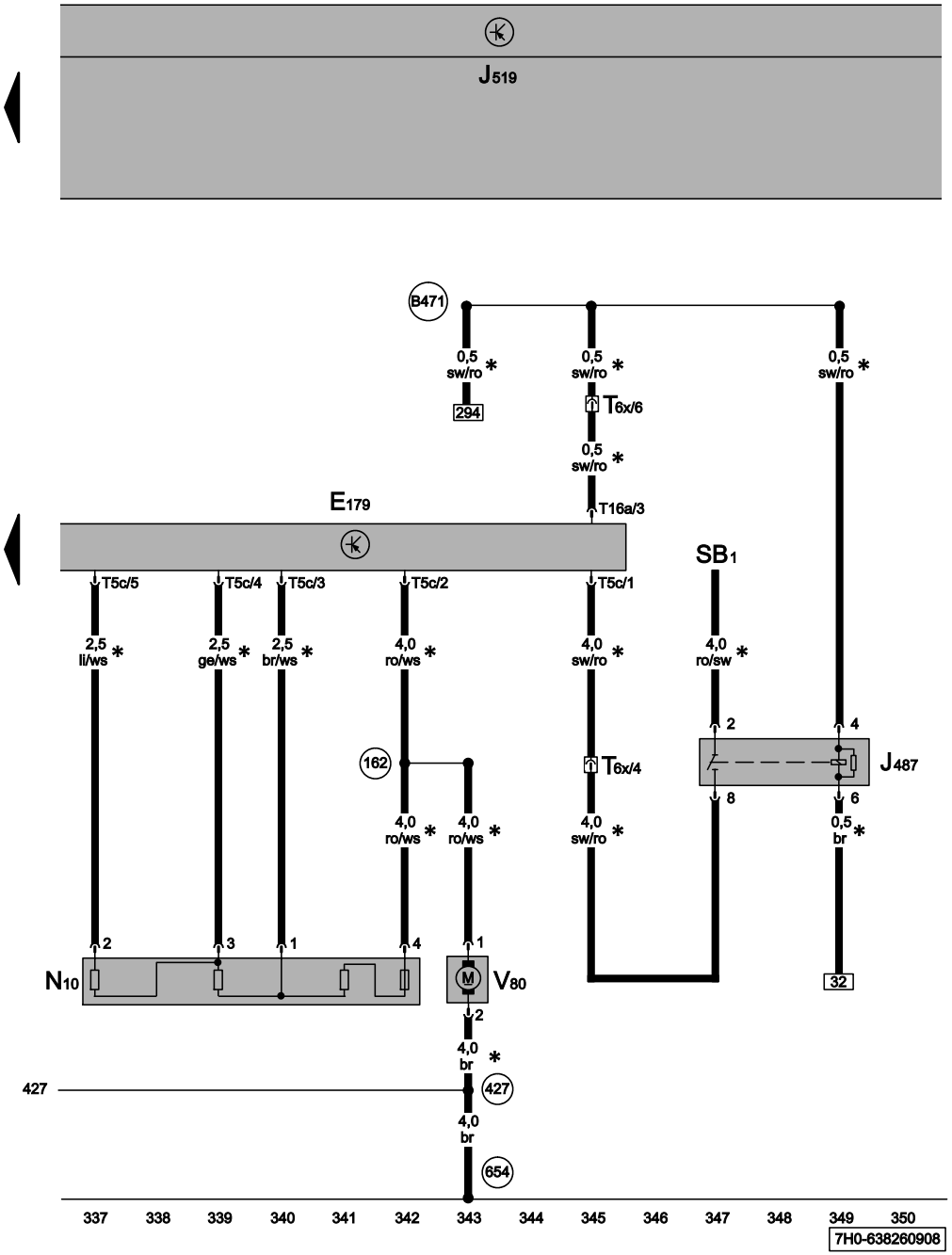
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16e	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
*	for models with double cab only
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only



Rear fresh air blower switch, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap motor

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J519	Onboard supply control unit
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
427	Earth connection 3, in right rear end wiring harness
429	Earth connection 4, in right rear end wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, not for camper

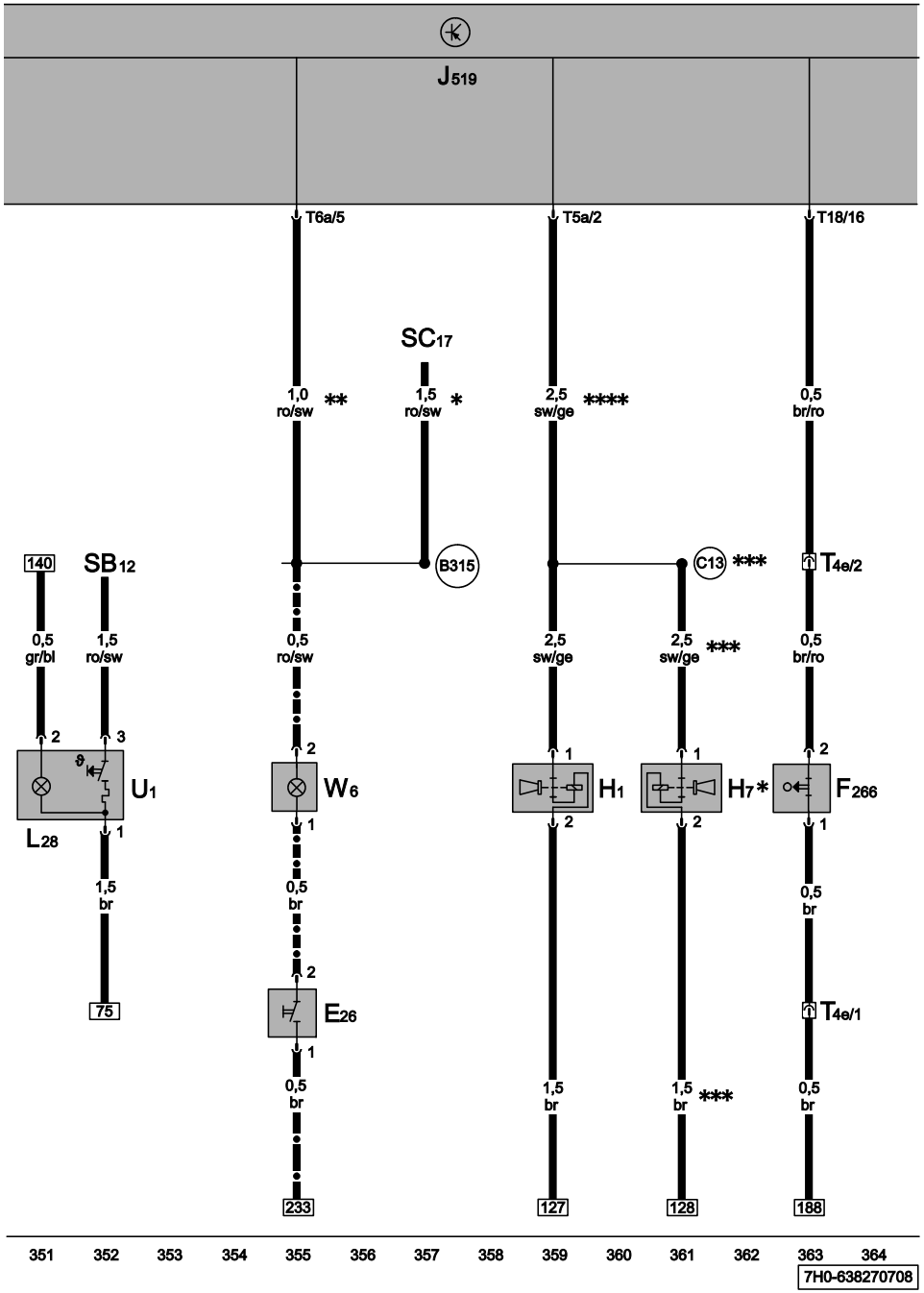
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

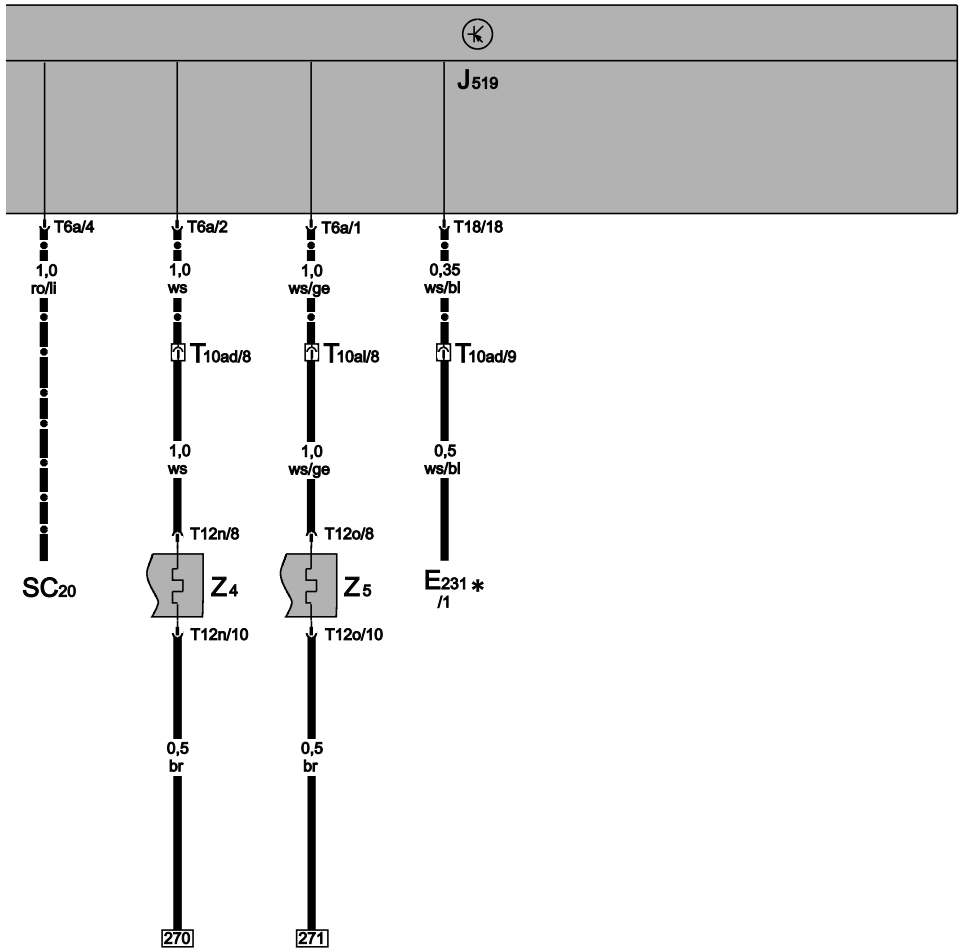
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

E26	Glove compartment light switch
F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
SC17	Fuse 17 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with roof console only ⇒ interior lights Current Flow Diagram
**	for models without roof console only ⇒ interior lights Current Flow Diagram
***	for models with dual tone horn only
****	for models without optimal equipment police only
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Onboard supply control unit, exterior mirror heater button, heated exterior mirror

E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
*	⇒ Current Flow Diagram: convenience system without window regulator
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with heated exterior mirrors and without electric window regulator only

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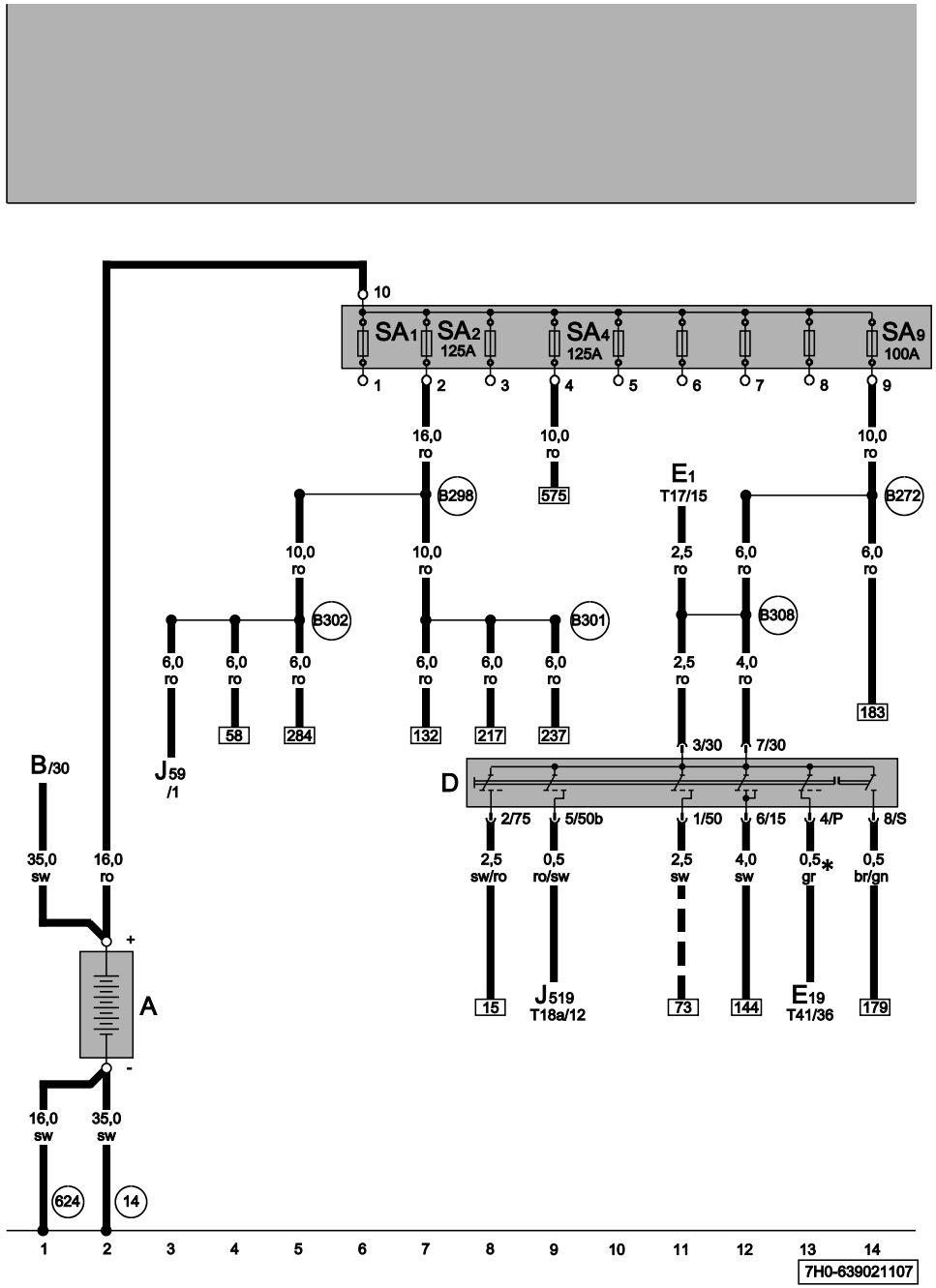
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

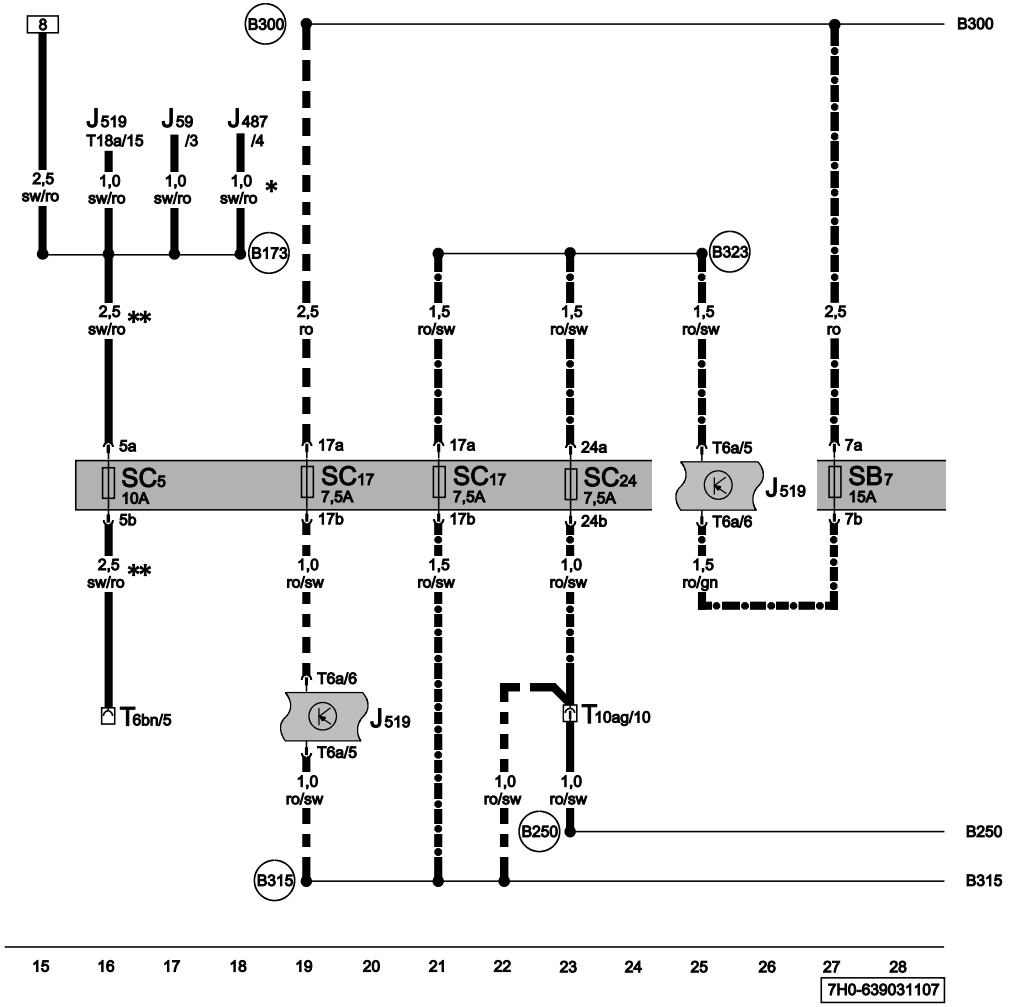


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Battery, starter, ignition/starter switch, fuses SA1, SA2, SA4 and SA9

A	Battery
B	Starter
D	Ignition/starter switch
E1	Light switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA9	Fuse 9 on fuse holder A
T17	17-pin connector
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	for models without day driving light only
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ws = white

Fuses SB7, SC5, SC17 and SC24

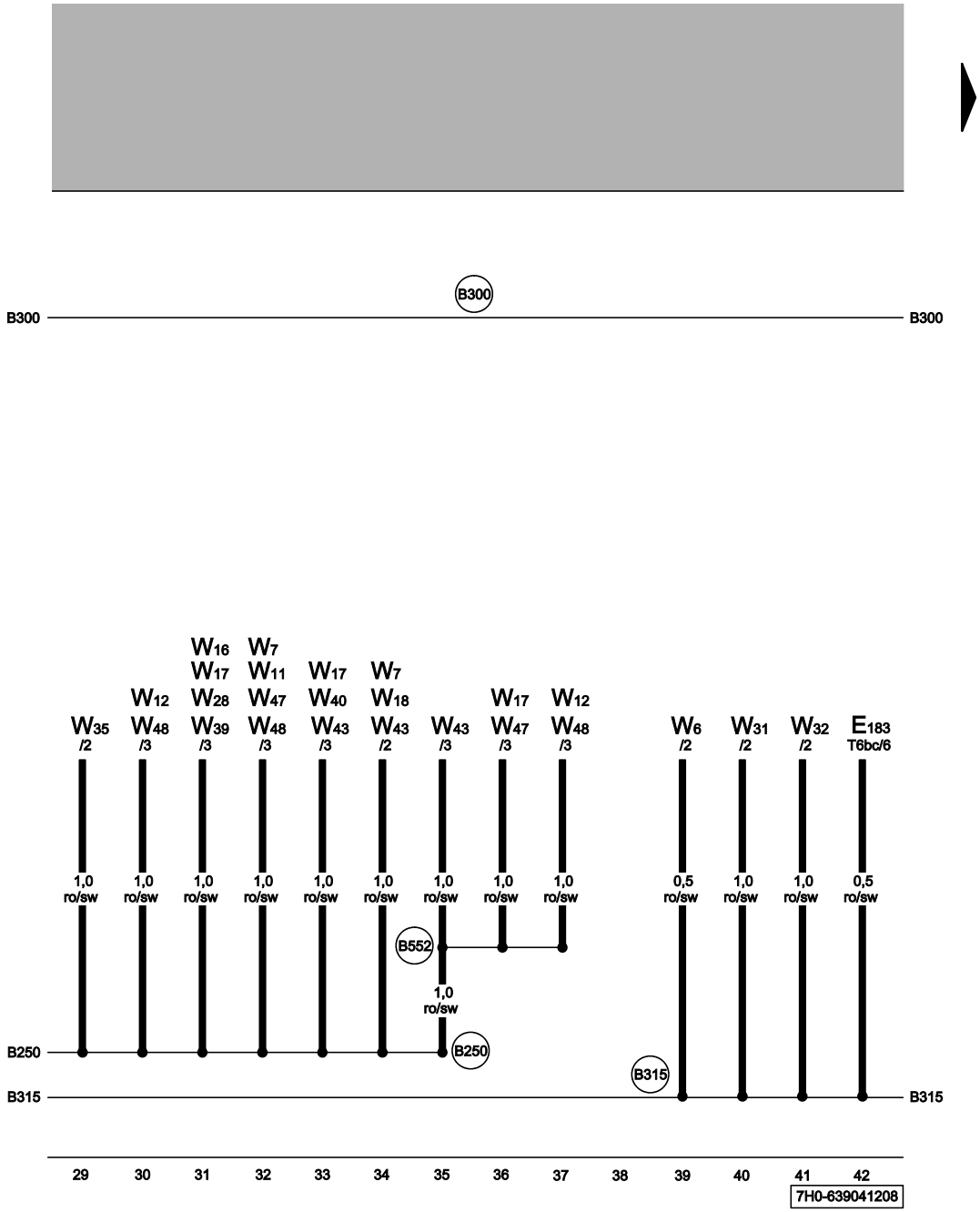
J59	X-contact relief relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bn	6-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T18a	18-pin connector, brown
B173	Positive connection 2 (X), in interior wiring harness
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment
**	for models with electric interface only

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for models without roof console only

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for models with roof console only

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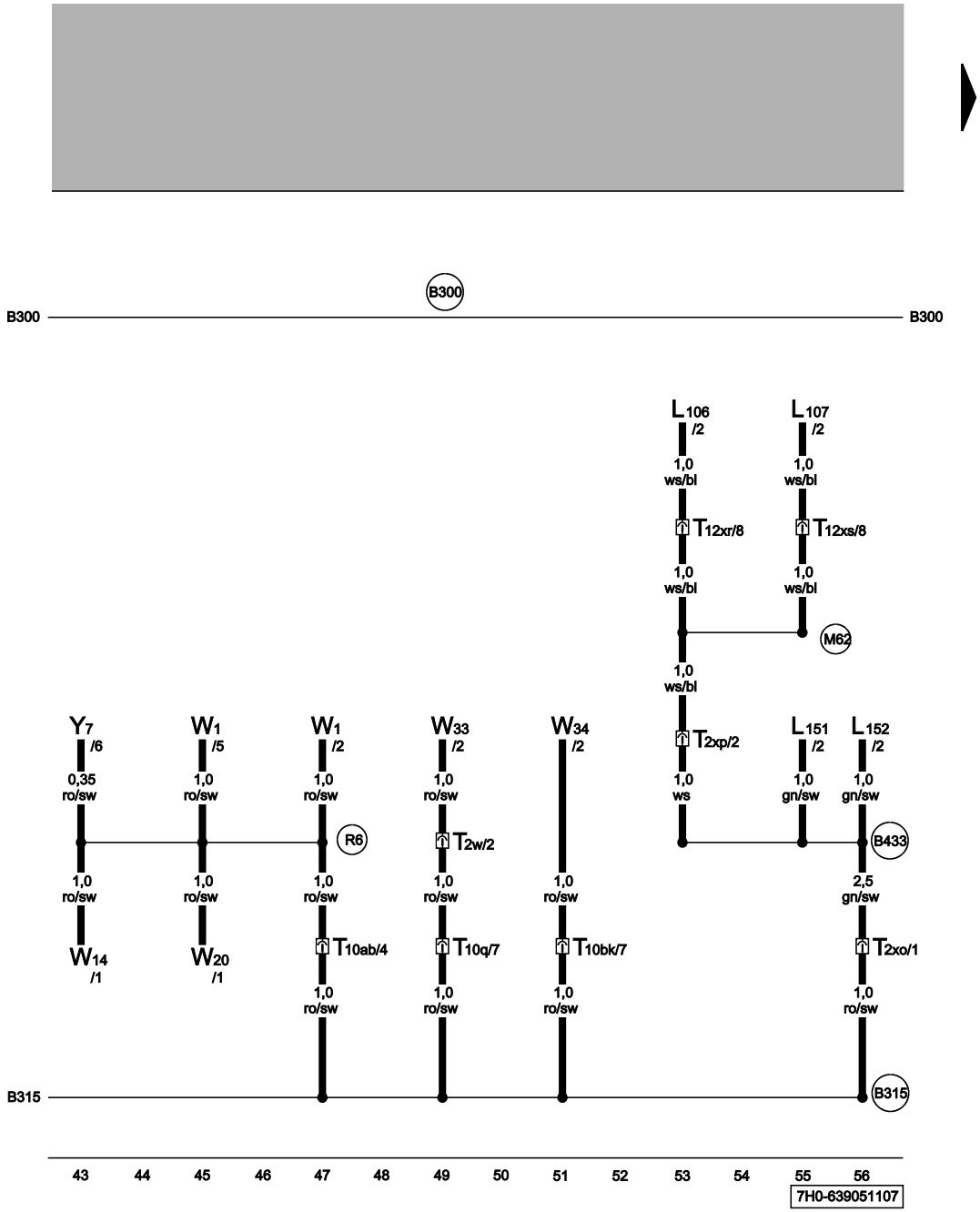
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Illumination

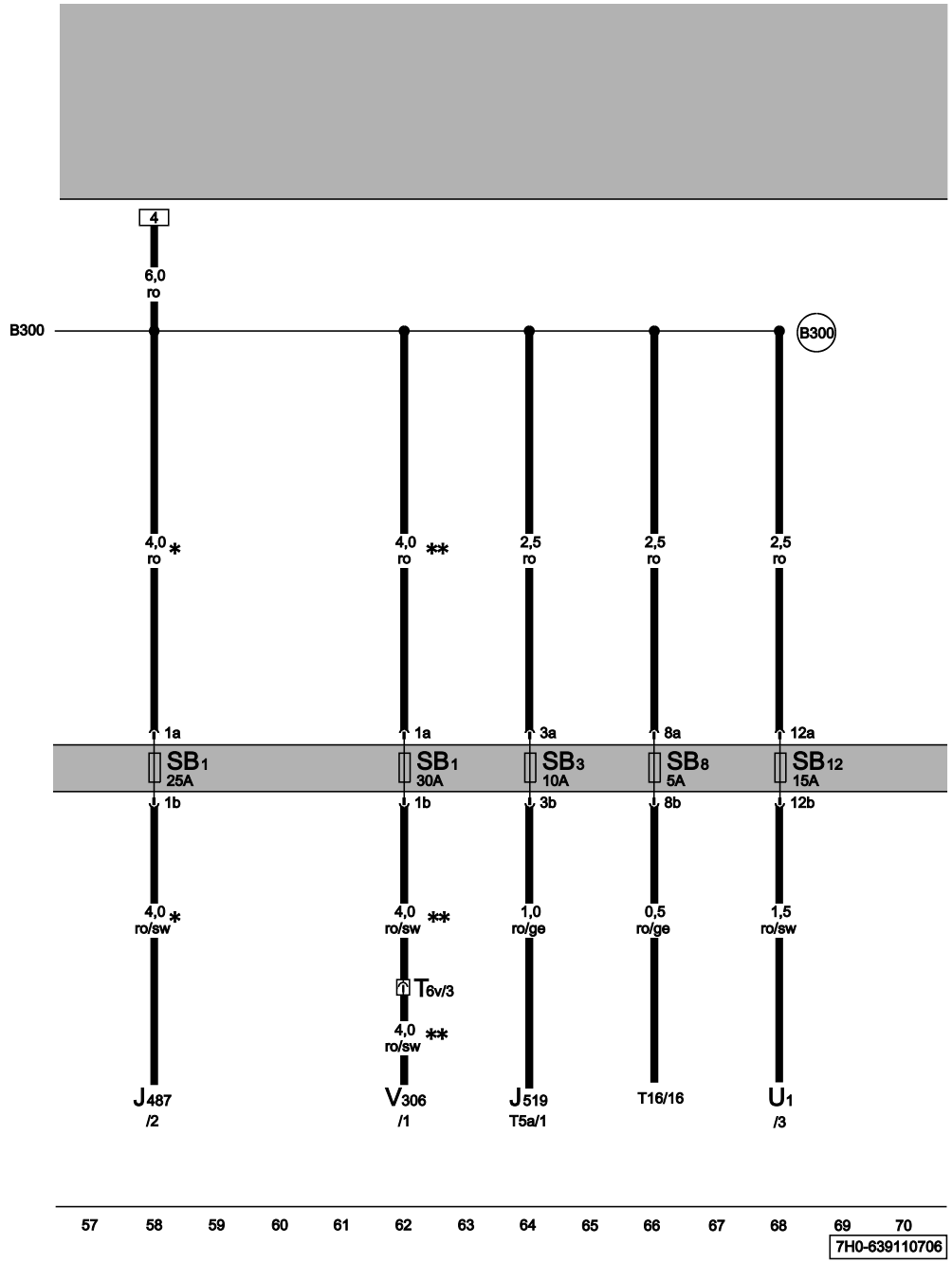
E183	Interior monitor deactivation switch
W6	Glove compartment light
W7	Centre interior light
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W18	Luggage compartment light on left
W28	Front interior light in high roof
W31	Front left entry light
W32	Front right entry light
W35	Right luggage compartment light
W39	Left centre reading light
W40	Right centre reading light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
T6bc	6-pin connector, blue
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness



ws = white
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gn = green
bl = blue
gr = grey
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or = orange
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Illumination

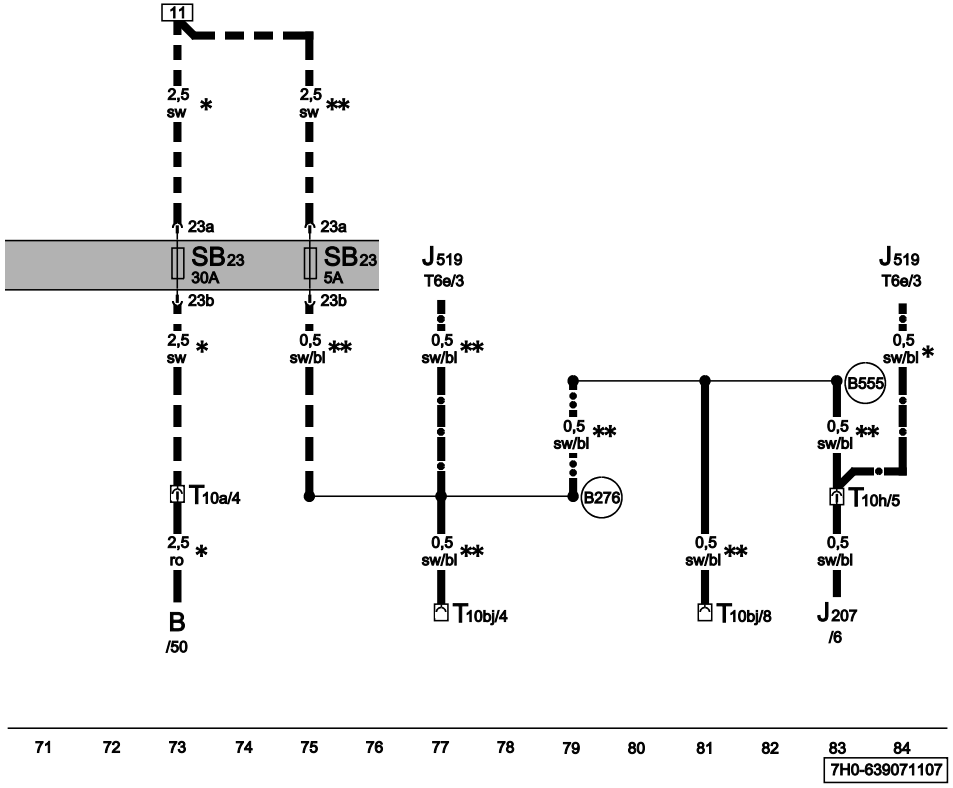
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
T2w	2-pin connector, black, lower left B-pillar
T2xo	2-pin connector
T2xp	2-pin connector
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12xr	12-pin connector
T12xs	12-pin connector
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness



Fuses SB1, SB3, SB8 and SB12

J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5a	5-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
V306	Rear blower Bitron regulation motor
B300	Positive connection 4 (30), in main wiring harness
*	for models without Climatronic only
**	for models with Climatronic only

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ro	=	red
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or	=	orange
rs	=	pink



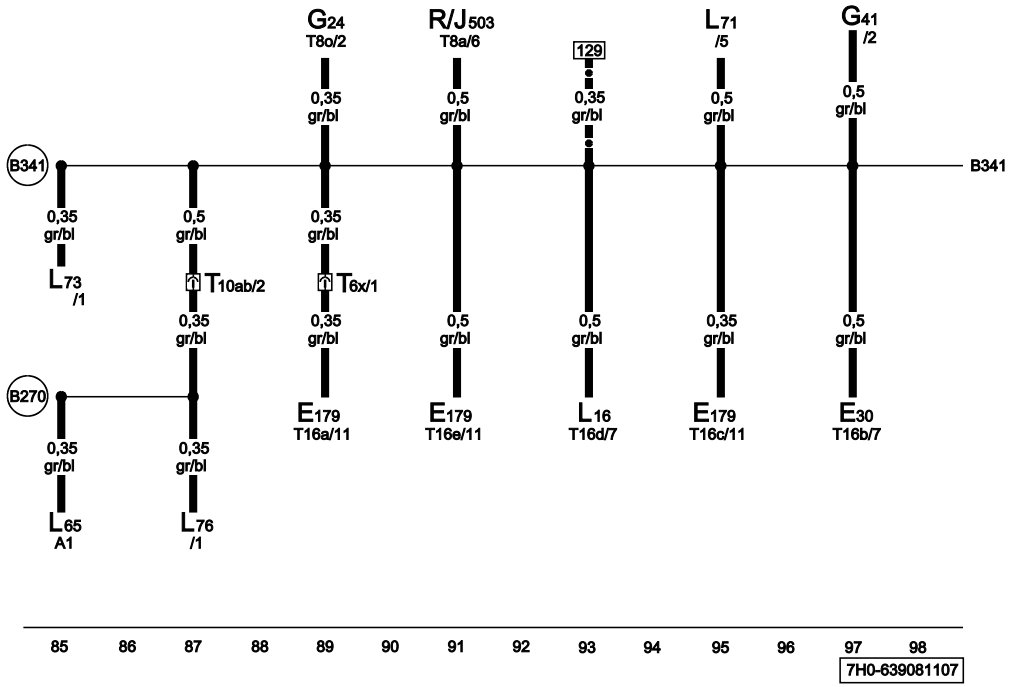
Fuses SB23

B	Starter
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models without electric interface only
**	for models with electric interface only
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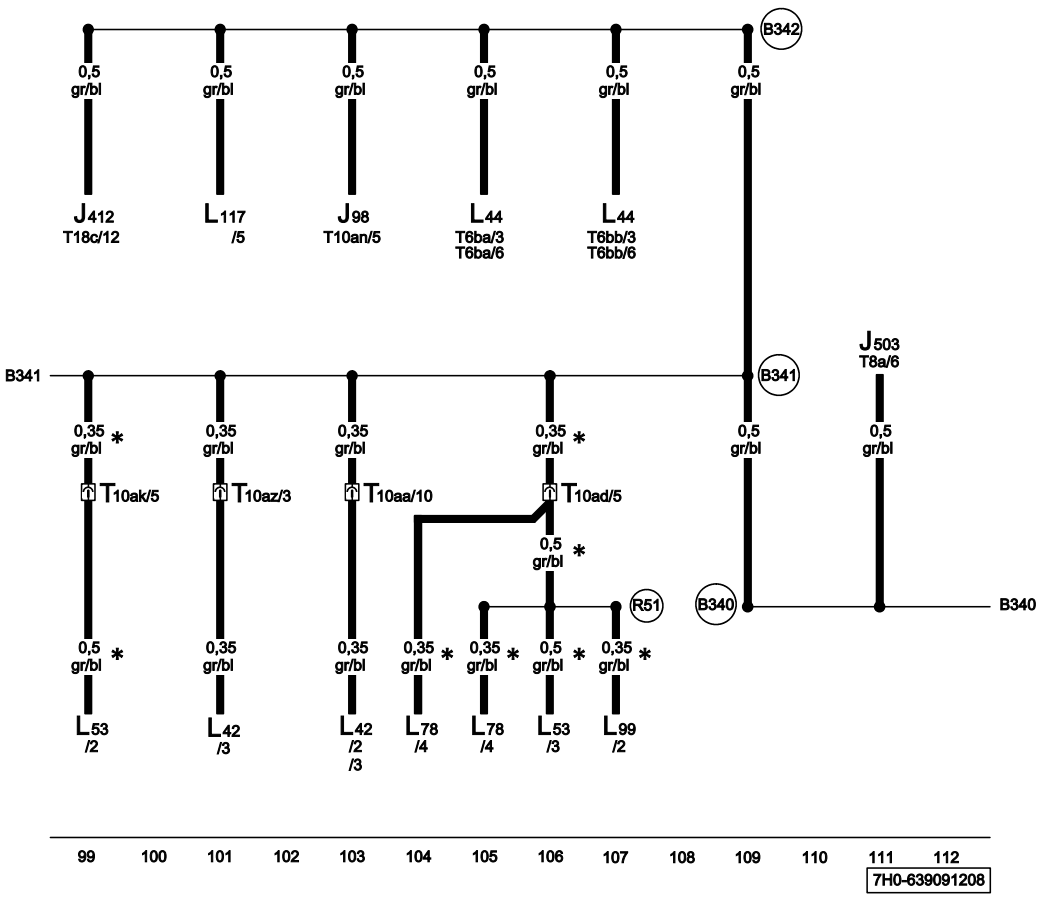


ws = white
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ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G24	Tachograph
G41	Taxi meter
J503	Control unit with display for radio and navigation system
L16	Fresh air regulator illumination bulb
L65	Sliding sunroof switch illumination bulb
L71	Traction control switch illumination bulb
L73	Interior light switch illumination bulb (taxi)
L76	Button illumination bulb
R	Radio
T6x	6-pin connector, purple, coupling station under front passenger seat
T8a	8-pin connector, black
T8o	8-pin connector, white
T10ab	10-pin connector, white, coupling station on left of A-pillar
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
B270	Connection (58s), in roof wiring harness
B341	Connection 2 (58d), in main wiring harness

<fo:exter for models without dimming instruments illumination only
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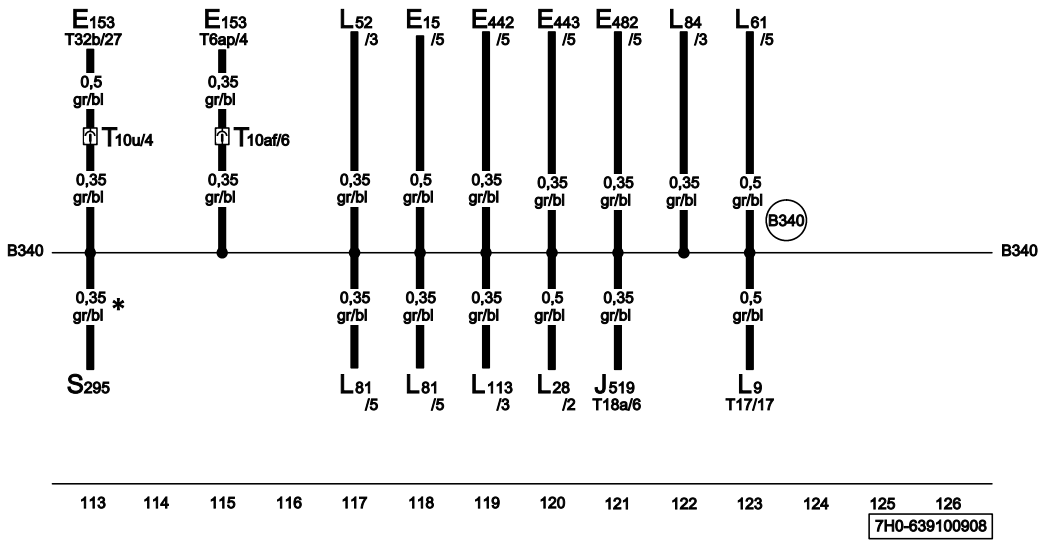
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Illumination

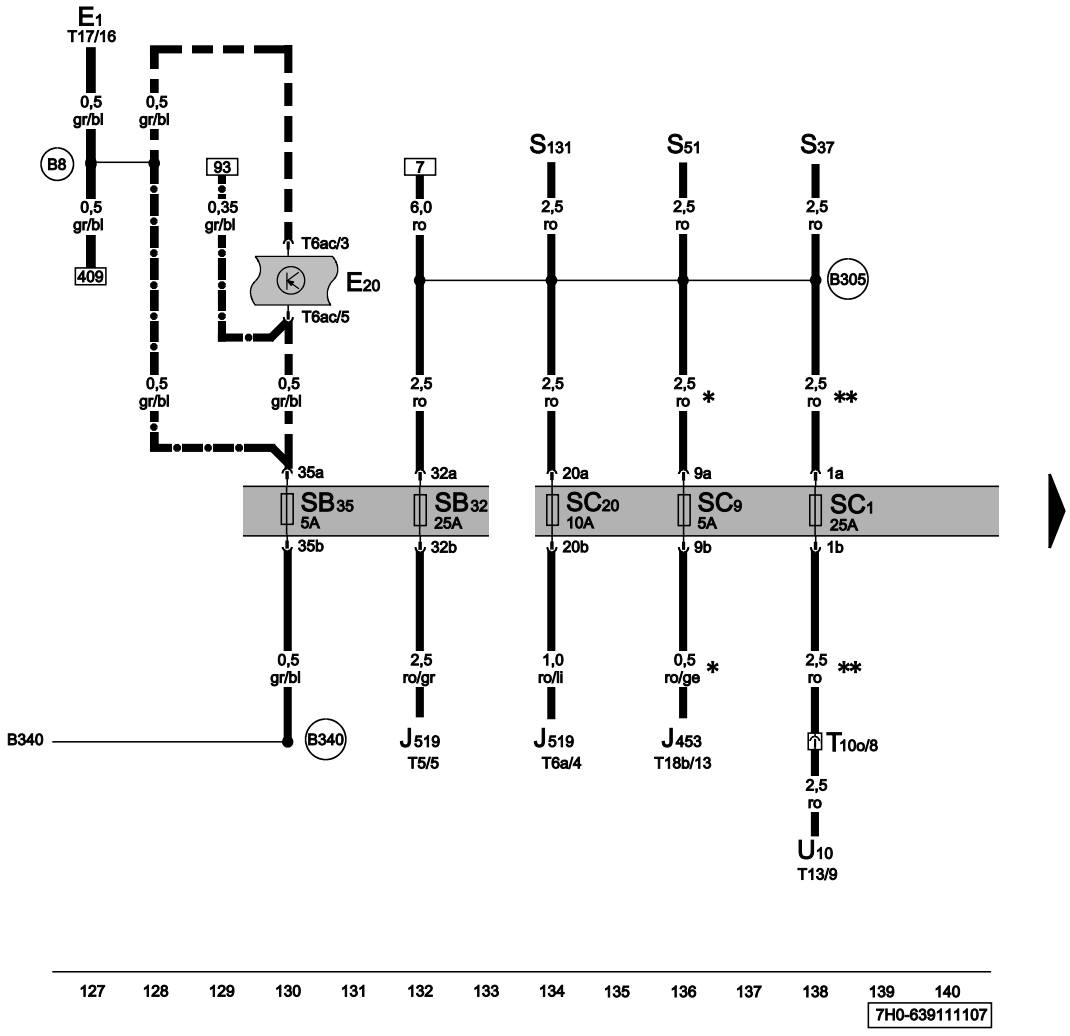
J98	Gearshift indicator control unit
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
L42	Socket illumination bulb
L44	Seat heating switch illumination bulb
L53	Window regulator switch illumination bulb
L78	Mirror adjustment switch illumination bulb
L117	Parking aid switch illumination bulb
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10an	10-pin connector, black
T10az	10-pin connector, white, coupling station under front passenger seat
T18c	18-pin connector, VDA connection
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness

Illumination and fuse S295

E15	Heated rear window switch
E153	Operating and display unit for camping equipment
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
L9	Light switch illumination bulb
L28	Cigarette lighter illumination bulb
L52	Light connection for fader regulator
L61	Differential lock switch illumination bulb
L81	Roof ventilator switch illumination bulb
L84	Red Cross light switch illumination bulb
L113	Rotating light and siren switch illumination bulb
S295	Special vehicle fuse 5
T6ap	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T17	17-pin connector
T18a	18-pin connector, brown
T32b	32-pin connector, black
B340	Connection 1 (58d), in main wiring harness
*	for models with electric interface only



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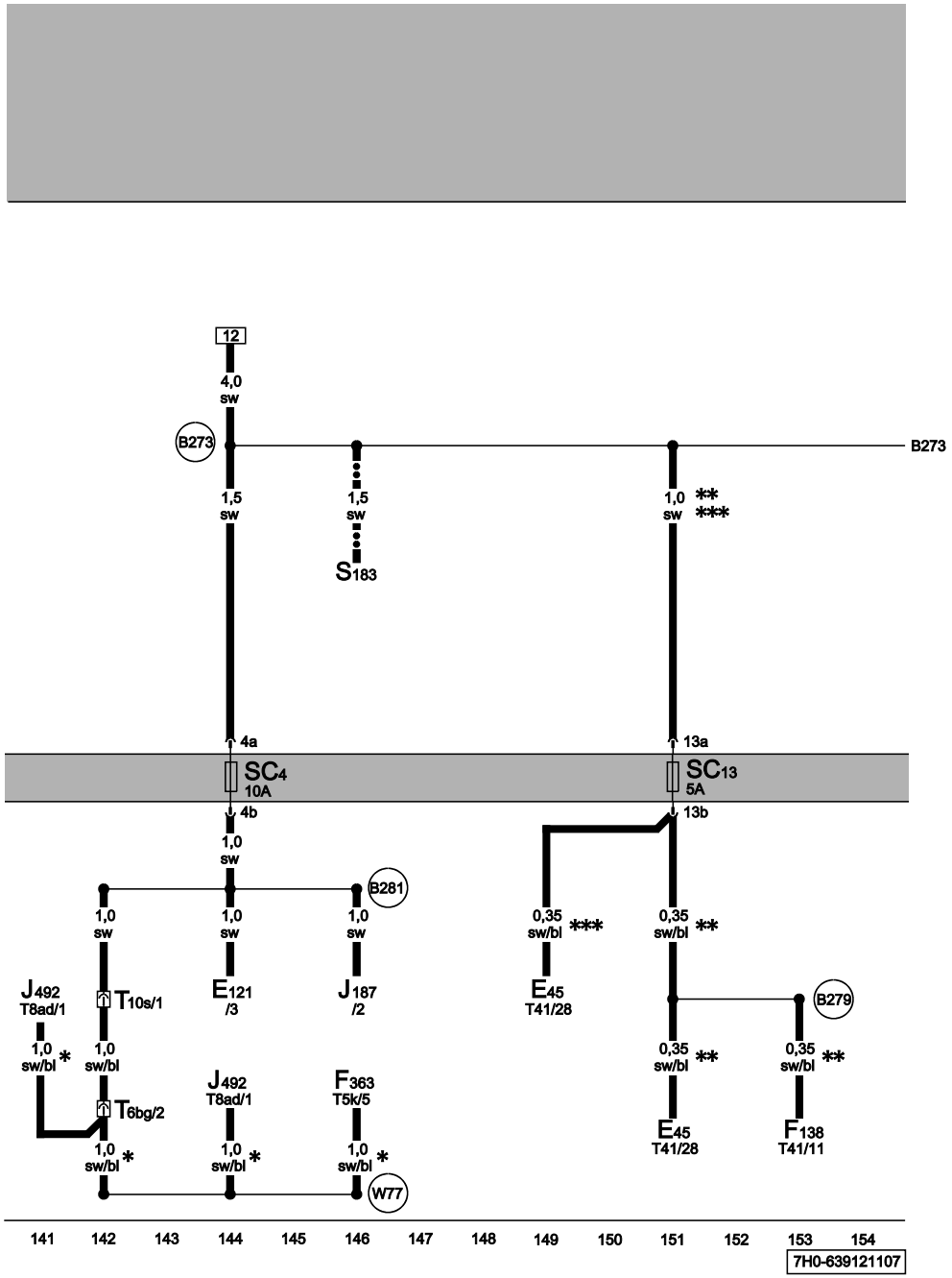


Fuses S37, S51, S131, SB32, SB35, SC1, SC9 and SC20

E1	Light switch
E20	Switches and instruments illumination regulator
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
S51	Fuse
S131	Fuse 1
SB32	Fuse 32 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC20	Fuse 20 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T18b	18-pin connector, black
U10	Trailer socket
B8	Positive connection (58), in light switch wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	for models with towing coupling (1D1/1D2) and without second battery (8FA) only

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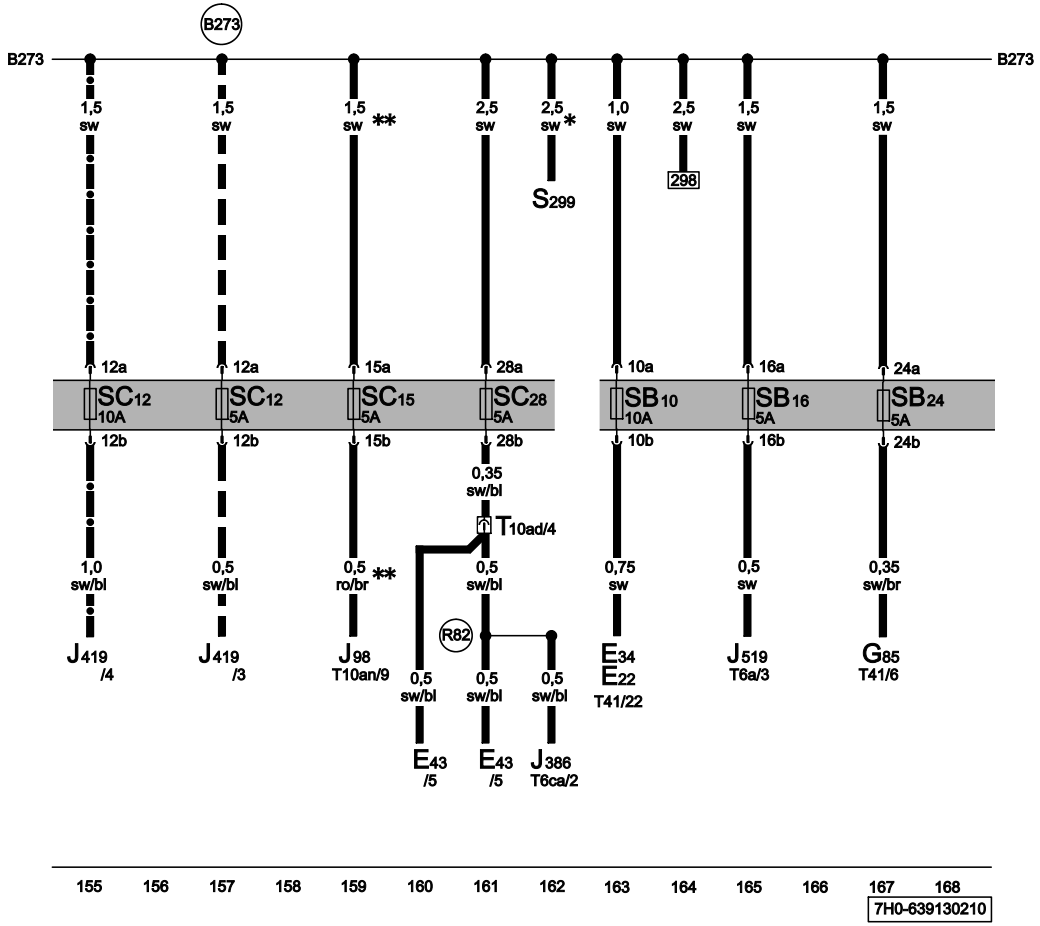


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Fuses S183, SC4 and SC13

E45	Cruise control system switch
E121	Rear differential lock switch
F138	Airbag coil connector and return spring with slip ring
F363	Rear differential lock vacuum switch
J187	Differential lock control unit
J492	Four-wheel drive control unit
S183	Taxi meter and alarm system fuse
SC4	Fuse 4 on fuse holder C
SC13	Fuse 13 on fuse holder C
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	depends on equipment
**	for models with operating unit in steering wheel for radio and CCS only
***	for models with cruise control system only

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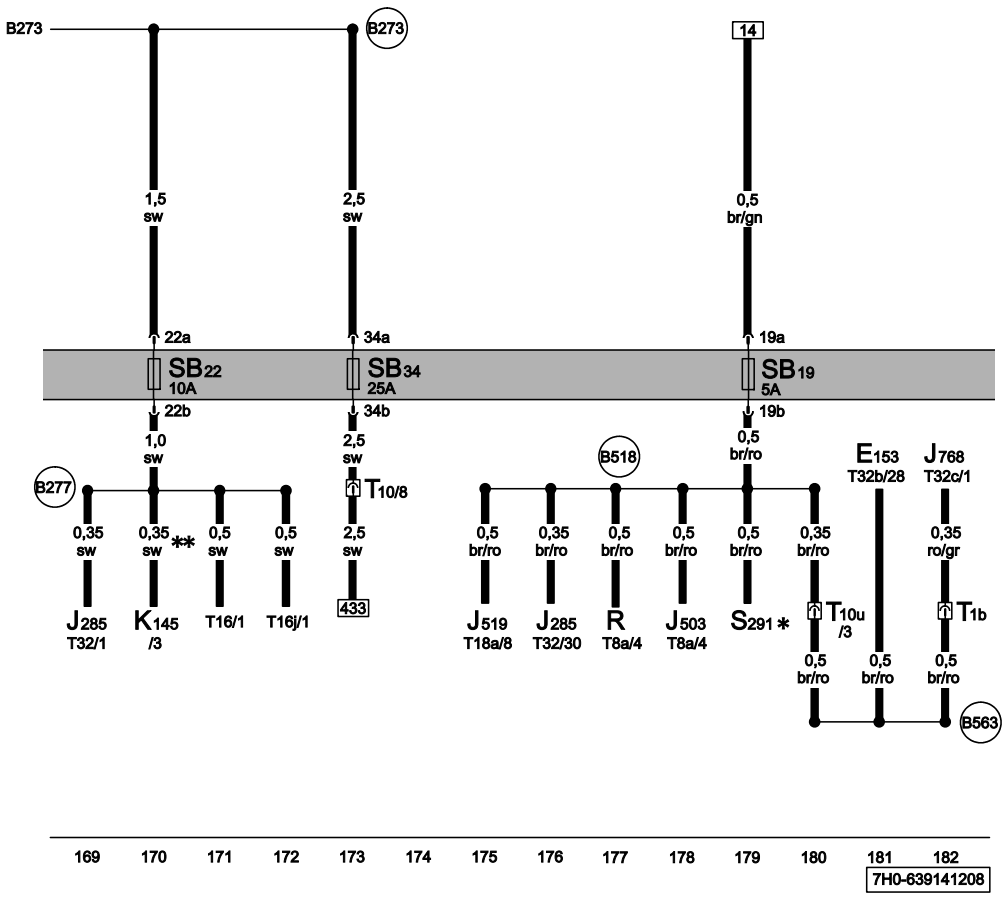
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Fuses S299, SB10, SB16, SB24, SC12, SC15 and SC28

E22	Intermittent wiper switch
E34	Rear wiper switch
E43	Mirror adjustment switch
G85	Steering angle sender
J98	Gearshift indicator control unit
J386	Driver door control unit
J419	Brake light additional relay
J519	Onboard supply control unit
S299	Special vehicle fuse 9
SB10	Fuse 10 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB24	Fuse 24 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T6ca	6-pin connector
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	for models with electric interface only
**	for models with automatic gearbox only
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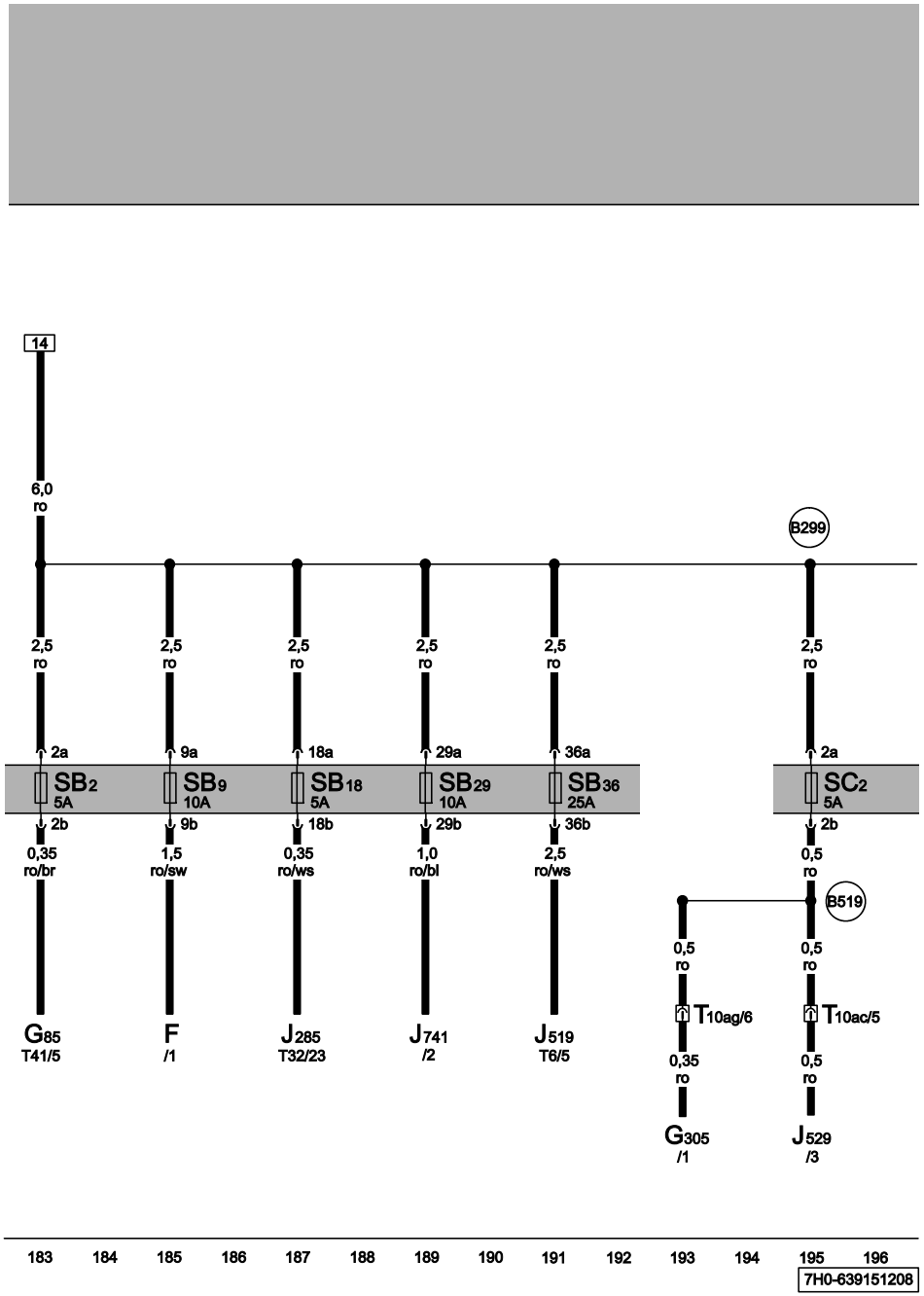
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Fuses S291, SB19, SB22 and SB34

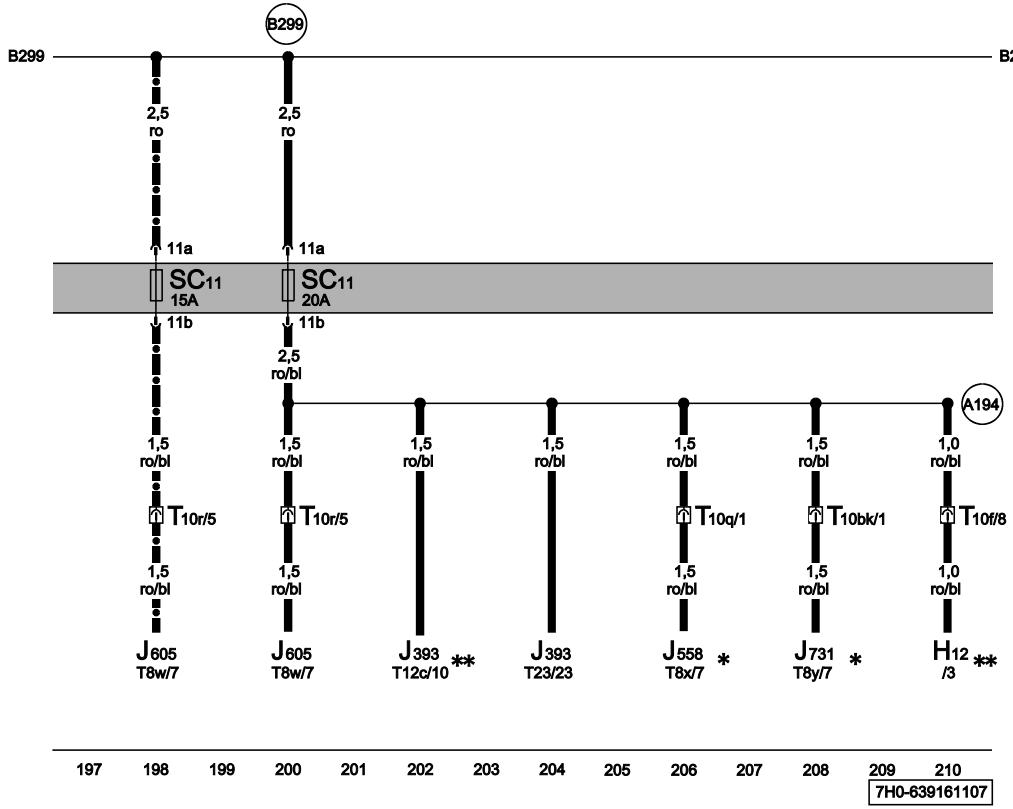
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J768	Roof hydraulics control unit
K145	Front passenger side airbag deactivated warning lamp
R	Radio
S291	Special vehicle fuse 1
SB19	Fuse 19 on fuse holder B
SB22	Fuse 22 on fuse holder B
SB34	Fuse 34 on fuse holder B
T1b	Single connector, grey, near roof hydraulics control unit
T8a	8-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10u	10-pin connector, blue, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
T32c	32-pin connector, black
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	for models with electric interface only
**	for models with key operated switch to deactivate front passenger side airbag only



Fuses SB2, SB9, SB18, SB29, SB36 and SC2

F	Brake light switch
G85	Steering angle sender
G305	Interior monitor send and receive module 2
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J741	Dual signal inverter relay
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB29	Fuse 29 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
T6	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T32	32-pin connector, blue
T41	41-pin connector
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness

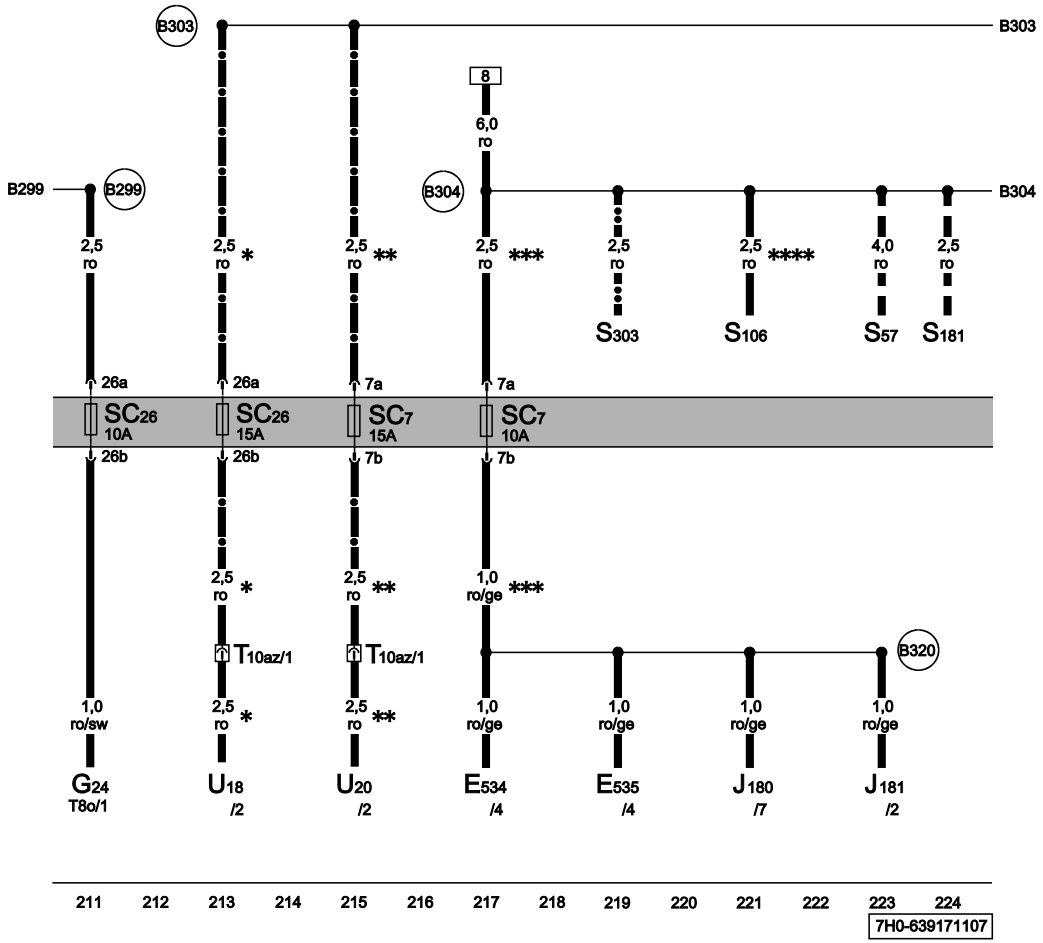
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse SC11

H12	Alarm horn
J393	Convenience system central control unit
J558	Left sliding door control unit
J605	Rear lid control unit
J731	Right sliding door control unit
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T8x	8-pin connector, black, coupling station left D-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12c	12-pin connector
T23	23-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with power latching system, without electric sliding door only
**	for models with anti-theft alarm system only
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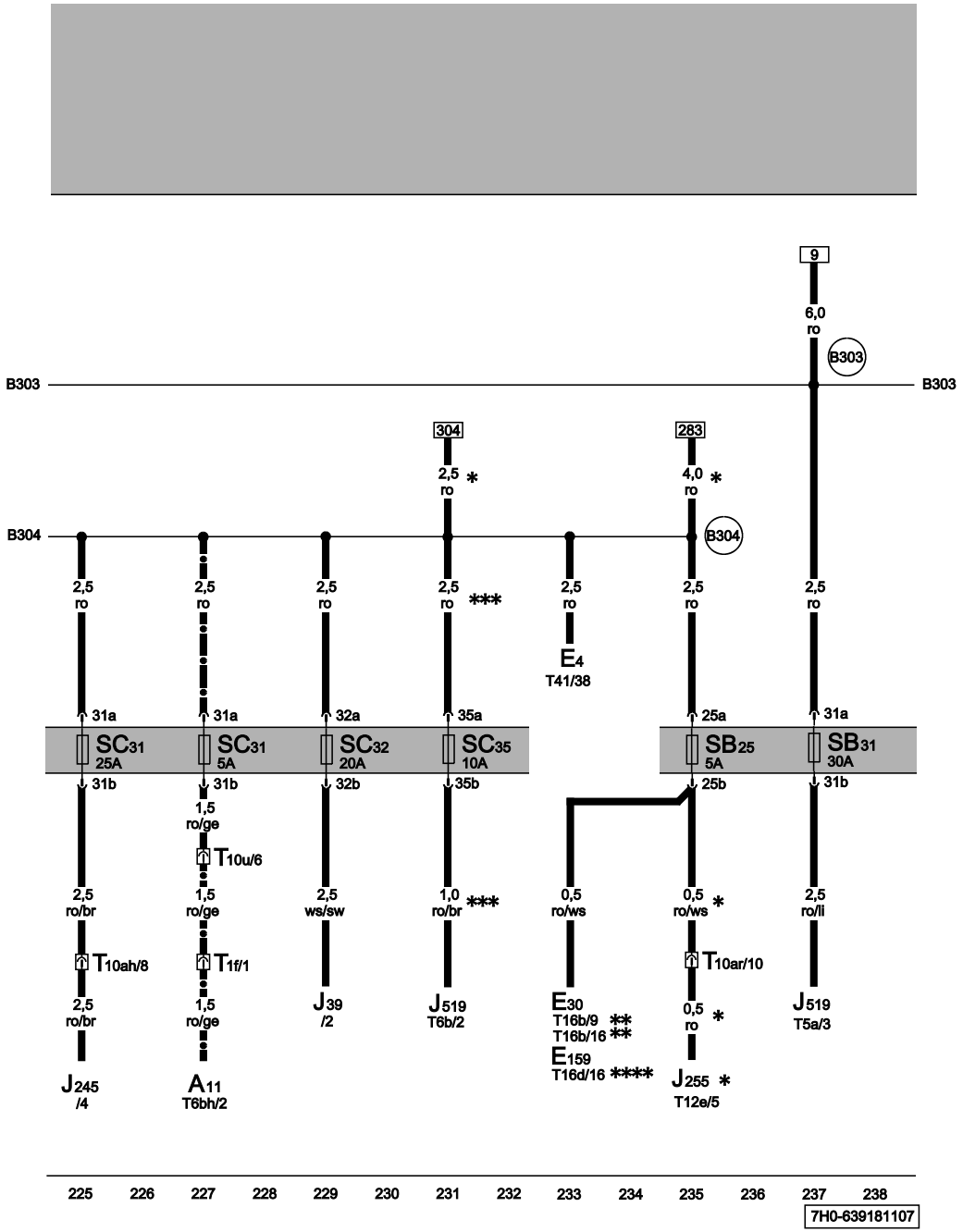
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Fuses S57, S106, S181, S303, SC7 and SC26

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
G24	Tachograph
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
S57	Alarm system fuse
S106	Rotating light fuse
S181	Taxi alarm system 2 fuse
S303	Special vehicle fuse 13
SC7	Fuse 7 on fuse holder C
SC26	Fuse 26 on fuse holder C
T8o	8-pin connector, white
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U20	12 V socket 4
B299	Positive connection 3 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	for business and multivan only
**	for business, multivan, camper and caravelle only
***	for models with roof ventilator only
****	for models with rotating light only/ Red Cross light
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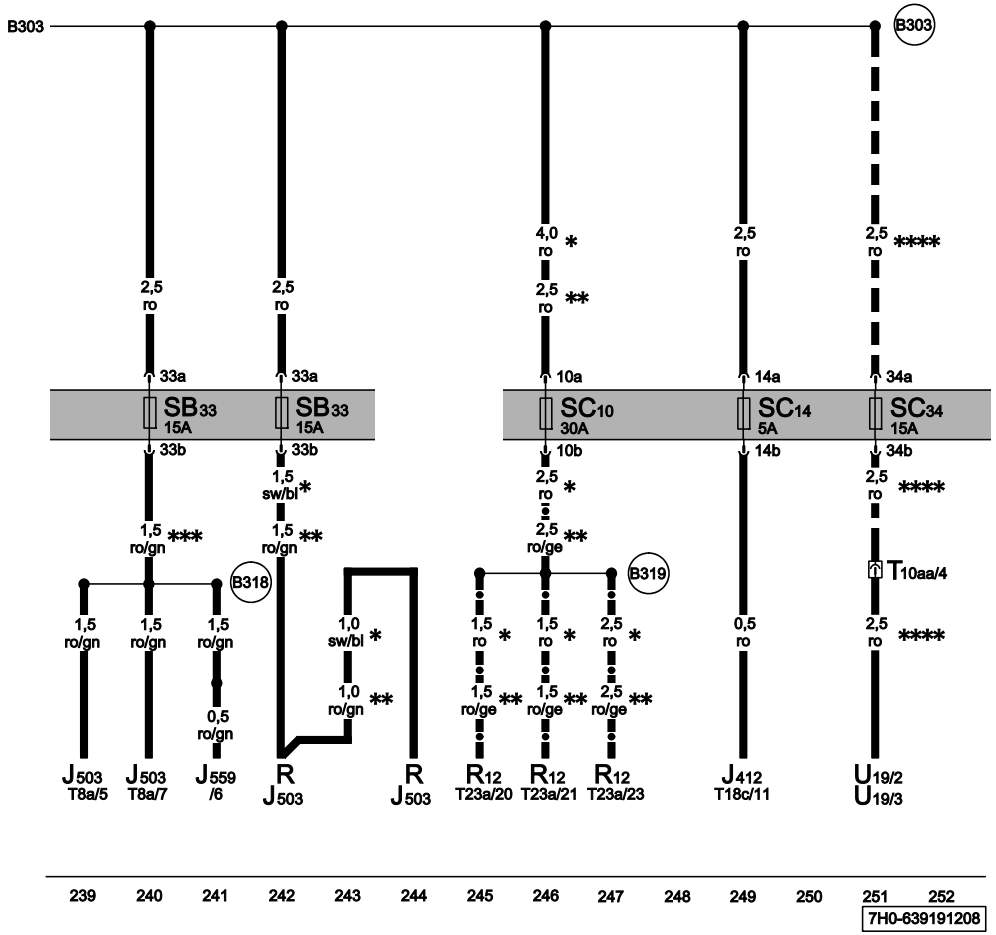
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Fuses SB25, SB31, SC31, SC32 and SC35

A11	Onboard supply charger unit
E4	Headlight dipper/flasher switch
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J255	Climatronic control unit
J519	Onboard supply control unit
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T1f	Single pin connector, black, in lower cupboard
T5a	5-pin connector, brown
T6b	6-pin connector, red
T6bh	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T41	41-pin connector
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with automatic gearbox only
****	for models without air conditioning system only
<fo:exter	for camper only, applicable from November 2006

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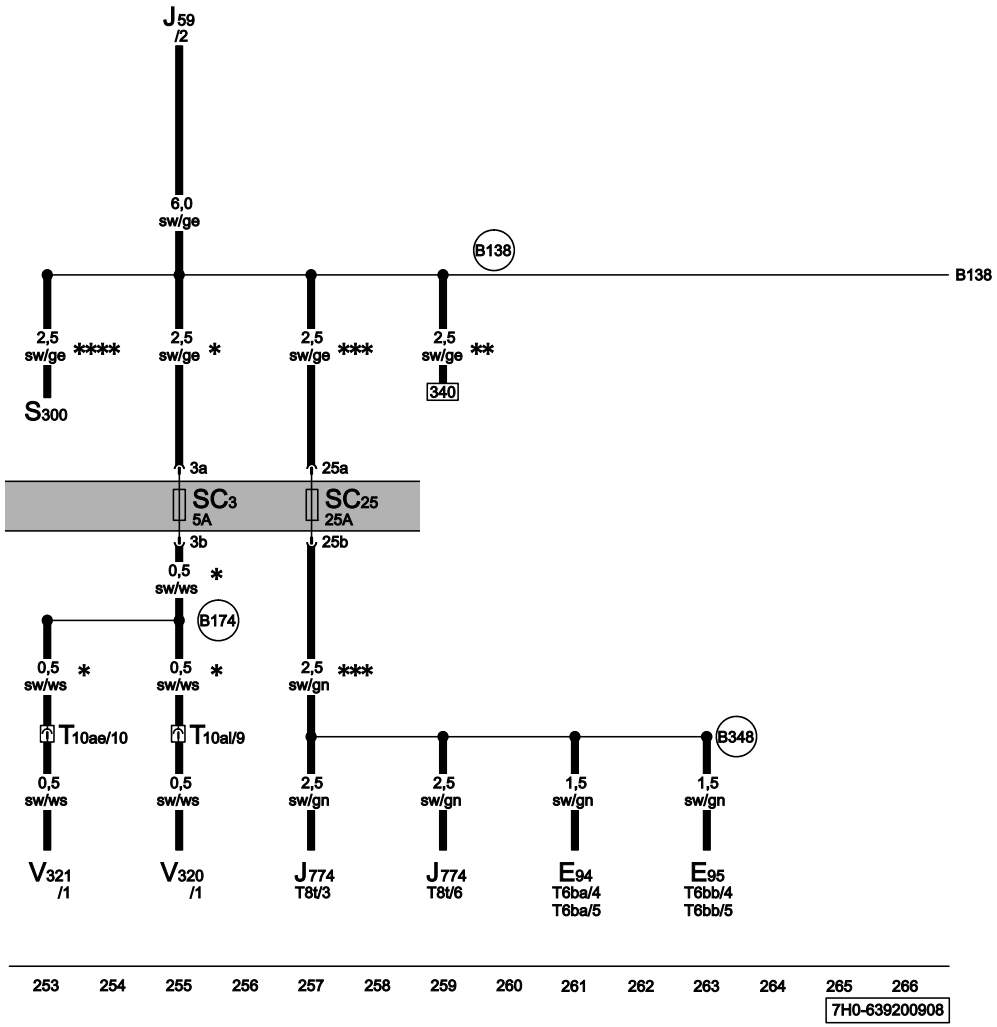
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Fuses SB33, SC10, SC14 and SC34

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J559	Traffic information control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC34	Fuse 34 on fuse holder C
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T18c	18-pin connector, VDA connection
T23a	23-pin connector, red
U19	12 V socket 3
B303	Positive connection 7 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with radio system only
**	for models with radio navigation system only
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for business, shuttle and caravelle only
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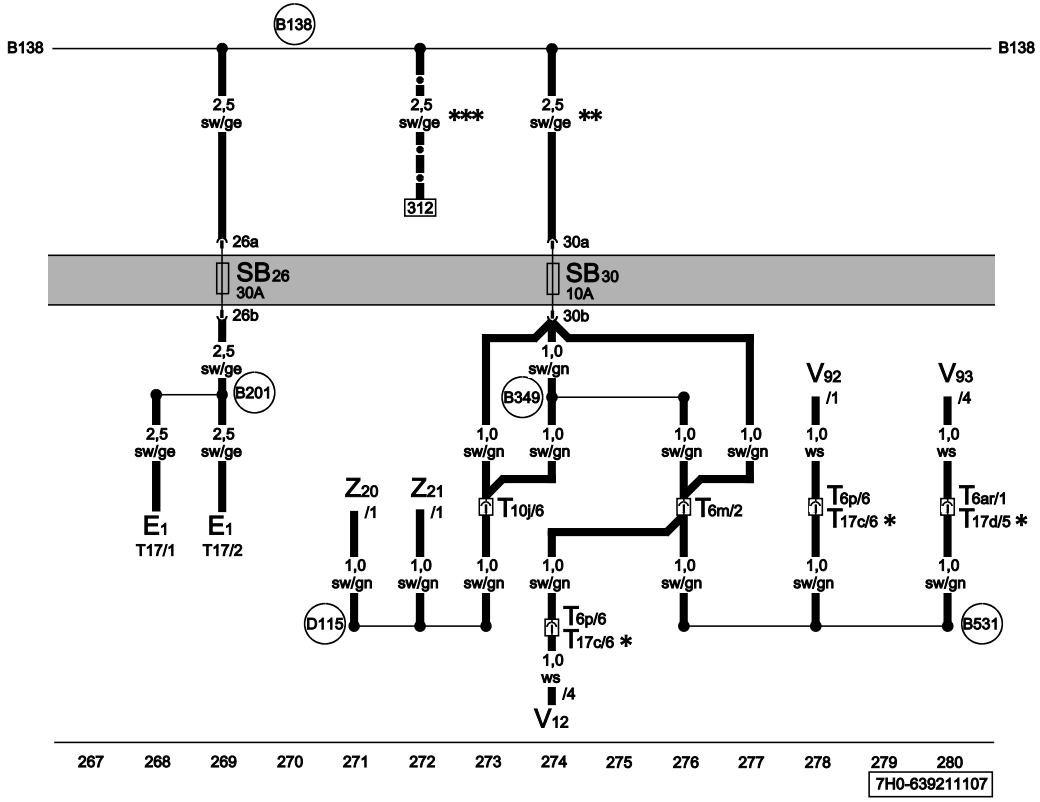
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Fuses S300, SC3 and SC25

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J774	Heated front seats control unit
S300	Special vehicle fuse 10
SC3	Fuse 3 on fuse holder C
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8t	8-pin connector
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
B138	Positive connection (X), in interior wiring harness
B174	Positive connection 3 (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
*	depends on equipment
**	for models with auxiliary coolant heater only
***	for models with seat heating only
****	for models with electric interface only

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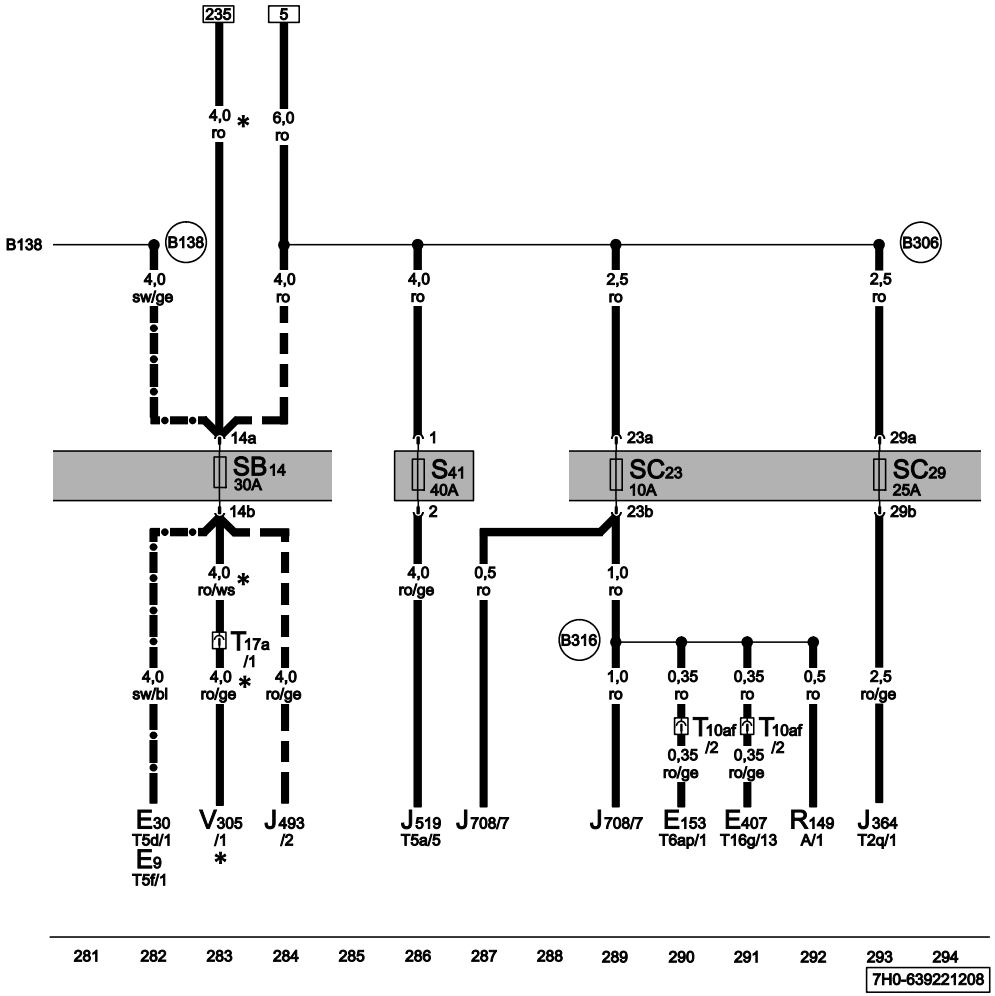


Fuses SB26 and SB30

E1	Light switch
SB26	Fuse 26 on fuse holder B
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6ar	6-pin connector, red, coupling station on right of D-pillar
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T17d	17-pin connector, black, coupling station on right of D-pillar
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B349	Connection 2 (75A), in main wiring harness
B531	Positive connection (75), in roof wiring harness
D115	Connection 13, in engine compartment wiring harness
*	applicable from November 2006
**	depends on equipment
***	for models without air conditioning system only
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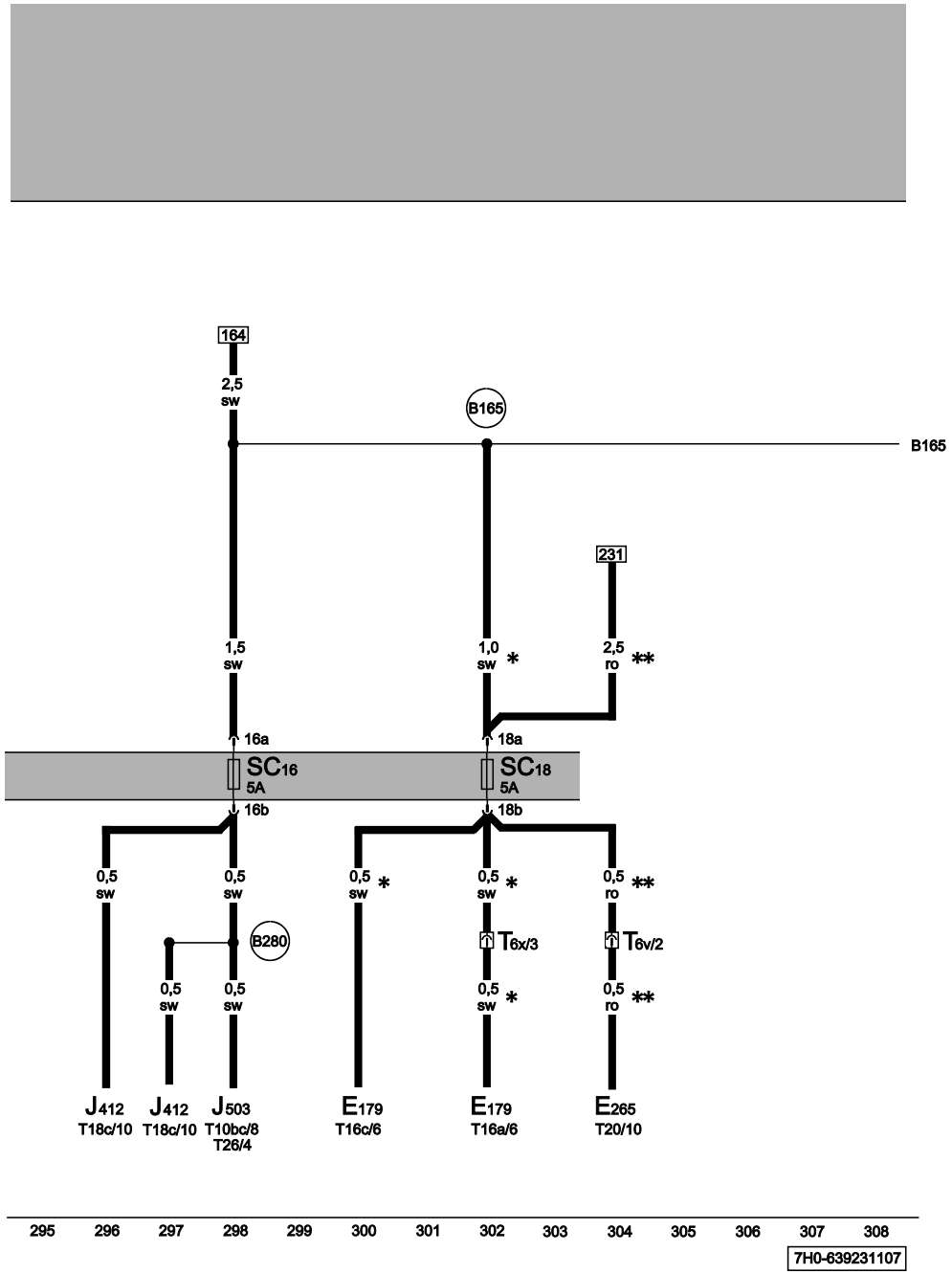
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Fuses S41, SB14, SC23 and SC29

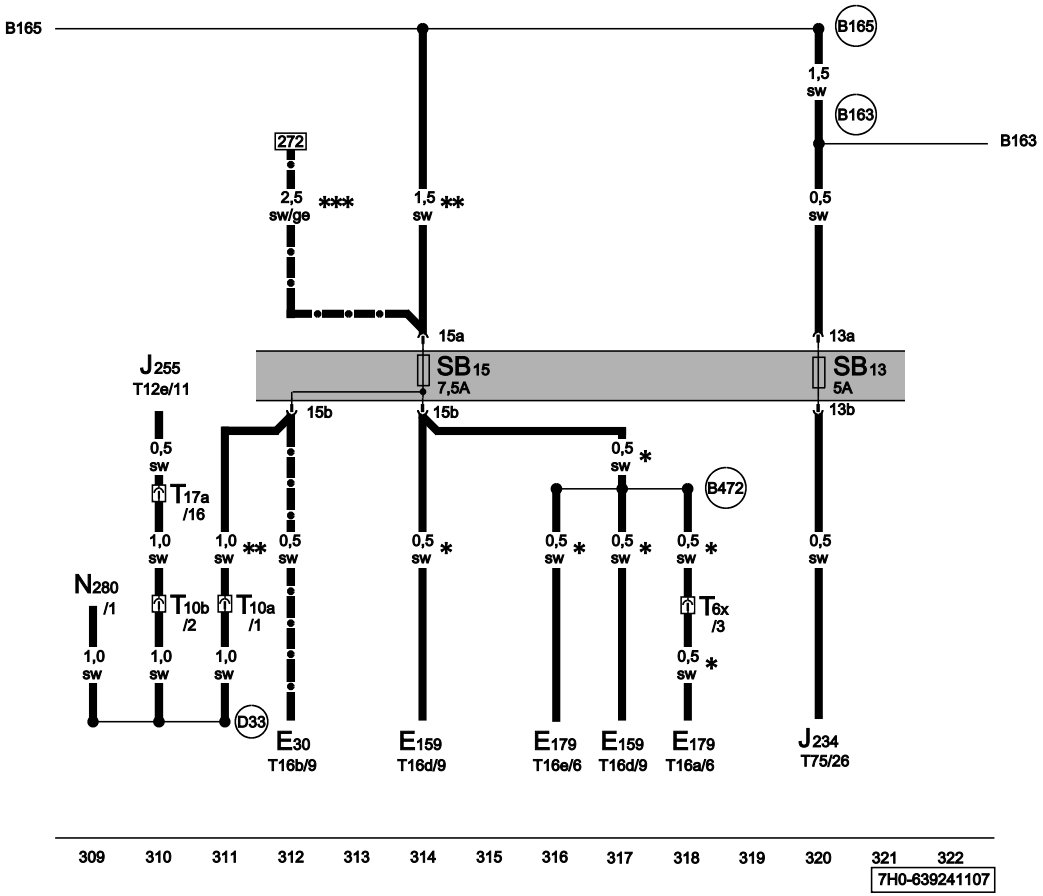
E9	Fresh air blower switch
E30	Air conditioning system switch
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
J708	Residual heat relay
R149	Remote control receiver for auxiliary coolant heater
S41	Heated rear window fuse
SB14	Fuse 14 on fuse holder B
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T5a	5-pin connector, brown
T5d	5-pin connector
T5f	5-pin connector
T6ap	6-pin connector
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	for models with Climatronic only
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<fo:external-graphic src="../	for models without auxiliary coolant heater only



Fuses SC16 and SC18

E179	Rear fresh air blower switch
E265	Operating and display unit for rear Climatronic
J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6x	6-pin connector, purple, coupling station under front passenger seat
T10bc	10-pin connector, red
T16a	16-pin connector, black
T16c	16-pin connector, black
T18c	18-pin connector, VDA connection
T20	20-pin connector
T26	26-pin connector
B165	Positive connection 2 (15), in interior wiring harness
B280	Positive connection 4 (15a), in main wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only

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rs	=	pink

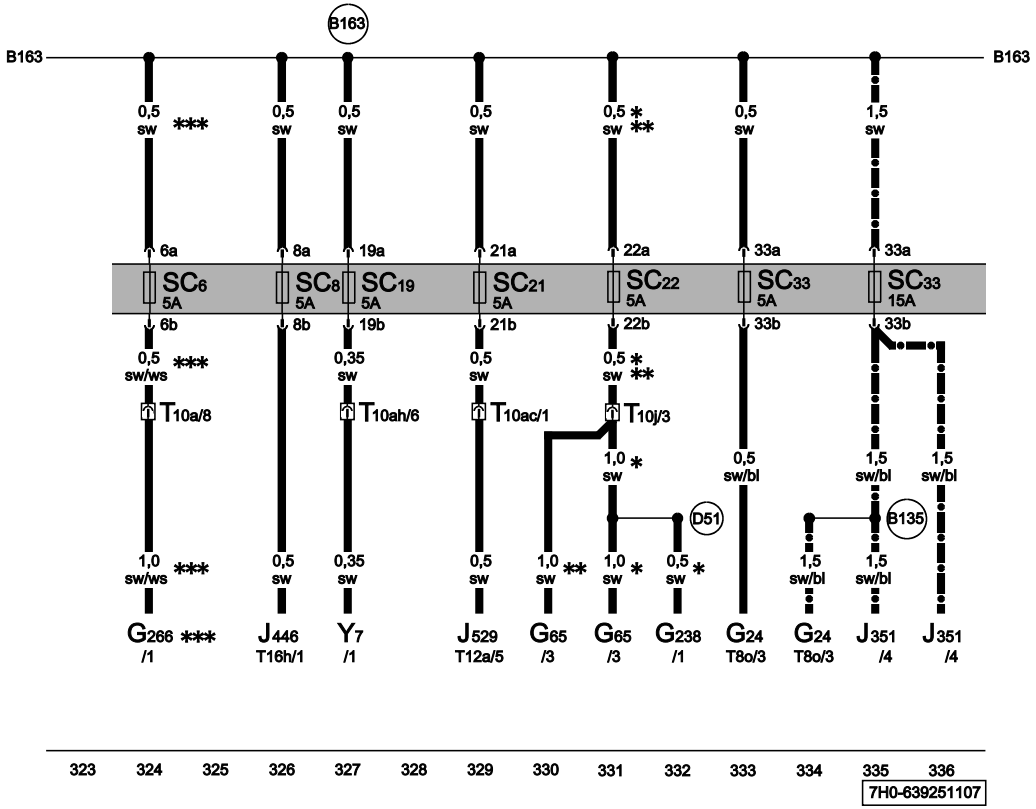


ws = white

Fuses SB13 and SB15

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J255	Climatronic control unit
N280	Air conditioning system compressor regulating valve
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T6x	6-pin connector, purple, coupling station under front passenger seat
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T12e	12-pin connector, black
T16a	16-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	models with heater, depends on equipment only
**	for models with Climatronic and engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models without air conditioning system only
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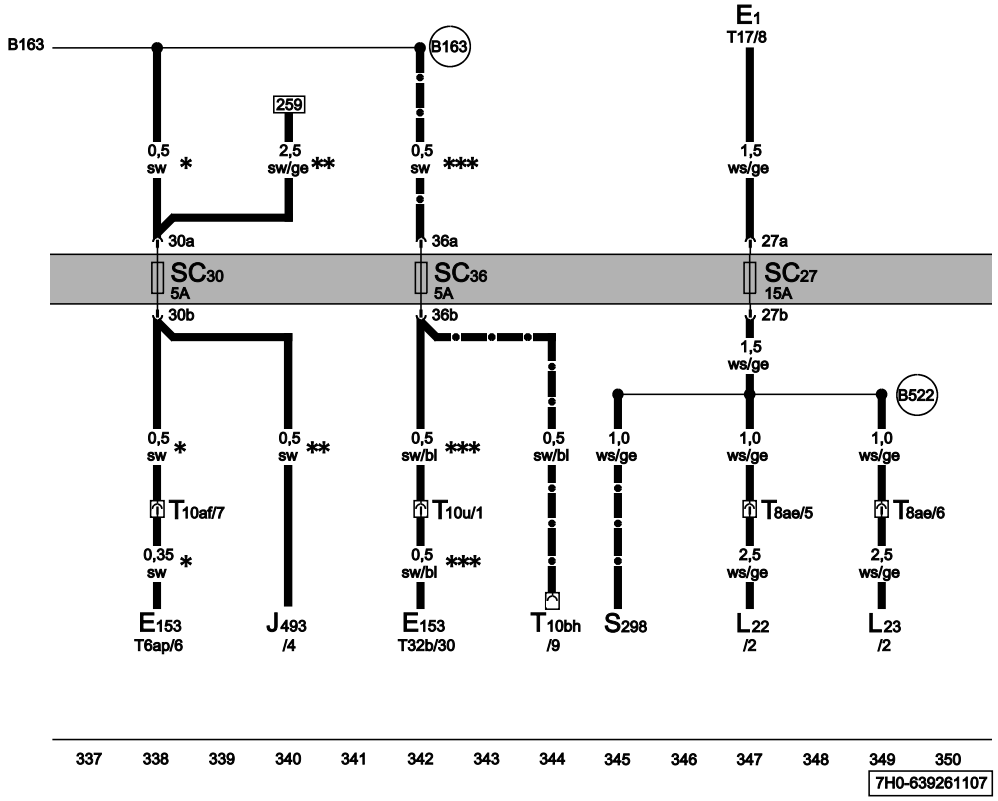


ws = white

Fuses SC6, SC8, SC19, SC21, SC22 and SC33

G24	Tachograph
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J351	Folding exterior mirror control unit
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, brown
Y7	Automatic anti-dazzle interior mirror
B135	Connection 1 (15a), in interior wiring harness
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with extended servicing intervals only
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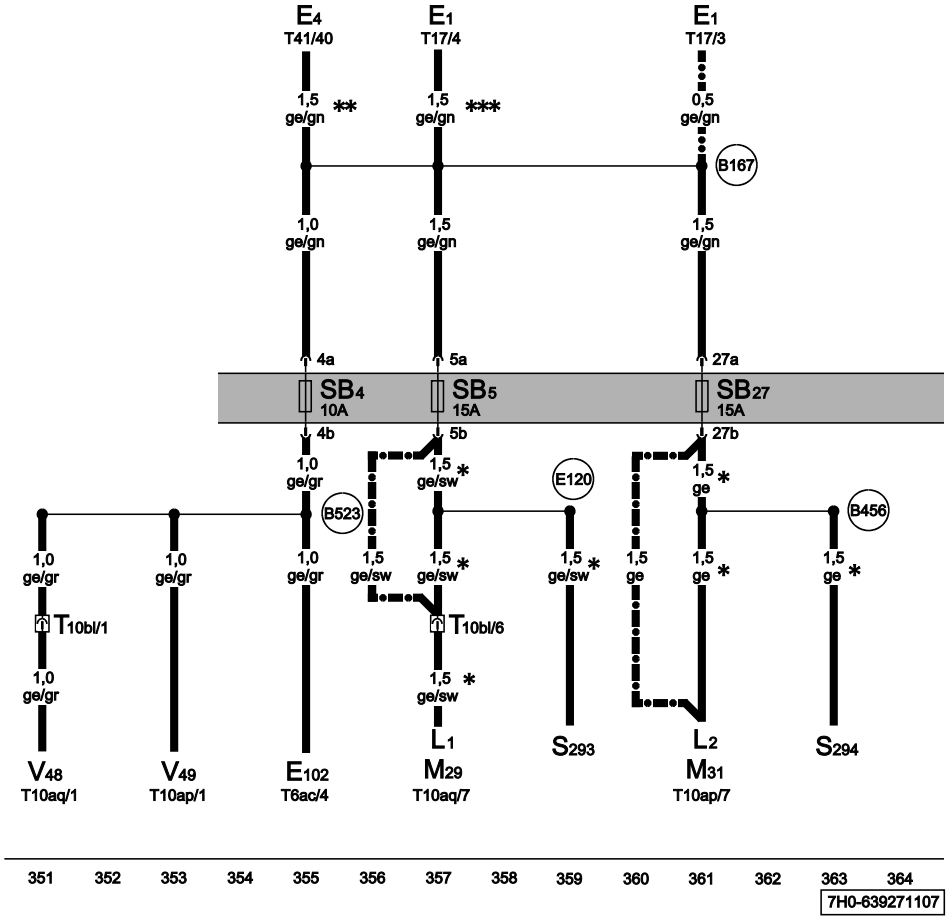


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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S298, SC27, SC30 and SC36

E1	Light switch
E153	Operating and display unit for camping equipment
J493	Auxiliary coolant heater relay
L22	Left fog light bulb
L23	Right fog light bulb
S298	Special vehicle fuse 8
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6ap	6-pin connector
T8ae	8-pin connector, black, near headlight, front right
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T17	17-pin connector
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for Camper with auxiliary air heater only
**	for models with auxiliary coolant heater only
***	for camper only

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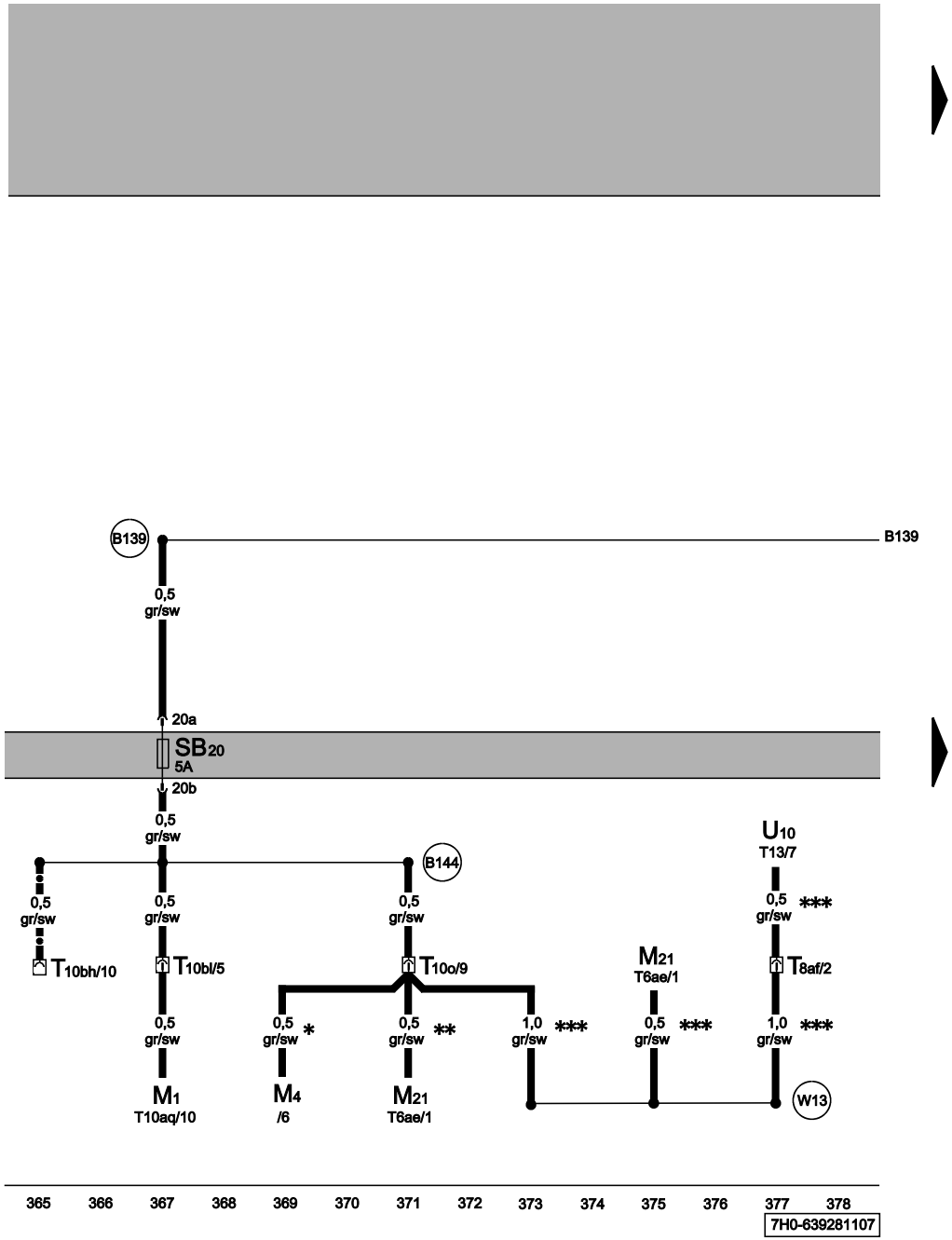
Fuses S293, S294, SB4, SB5 and SB27

E1	Light switch
E4	Headlight dipper/flasher switch
E102	Headlight range control regulator
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M29	Left dipped beam bulb
M31	Right dipped beam bulb
S293	Special vehicle fuse 3
S294	Special vehicle fuse 4
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB27	Fuse 27 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector
T10aq	10-pin connector
T10bl	10-pin connector, black, near front right headlight
T17	17-pin connector
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B523	Connection (56, HRC), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with electric interface only
**	applies only to commercial vehicles, multivan classic, camper and shuttle with base level of equipment
***	for multivan, camper Comfortline and caravelle only

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for models without electric interface only

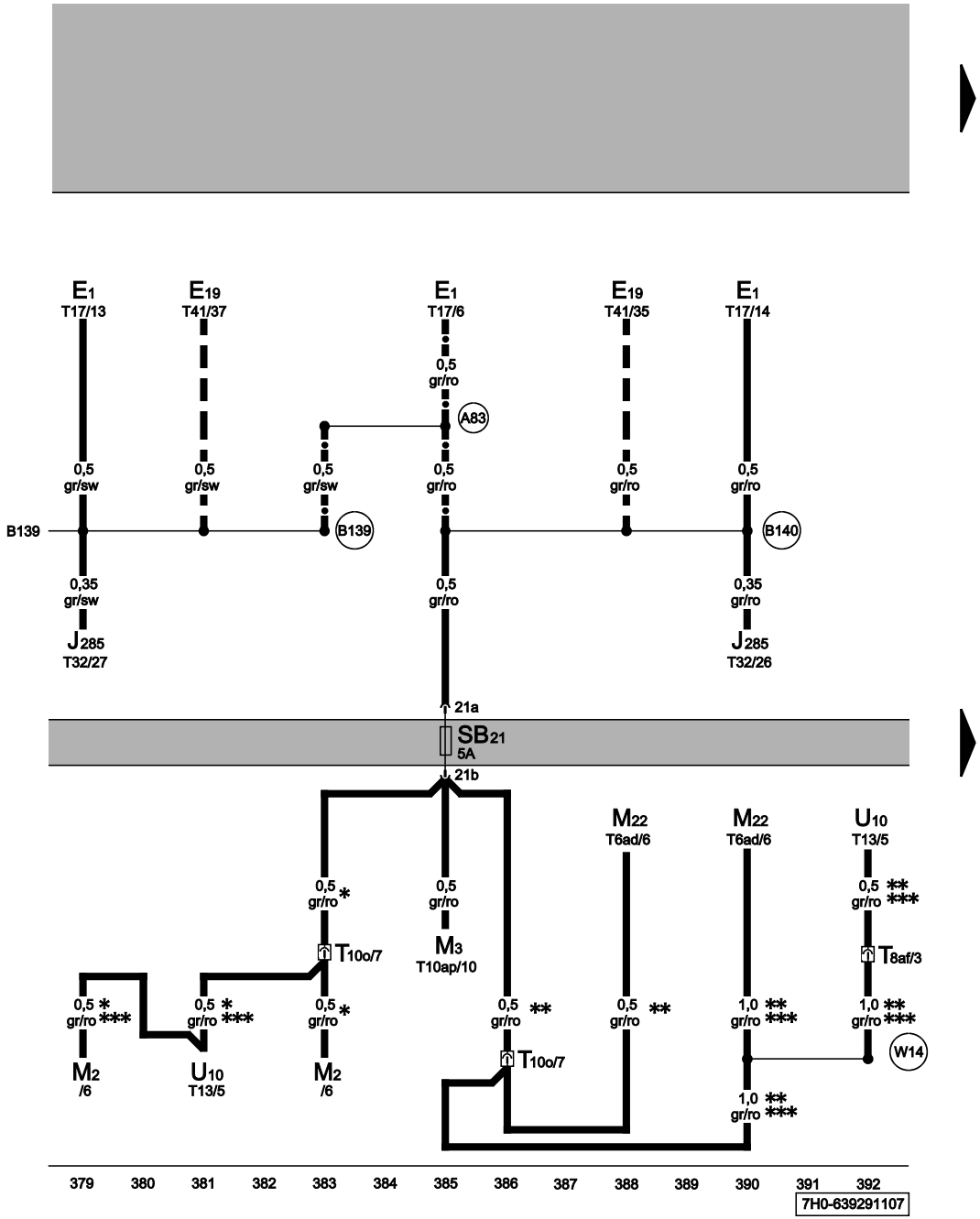
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<fo:exter for models with day driving light only
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ge = yellow scaling="
or = orange uniform"/
rs = pink >



ws = white
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

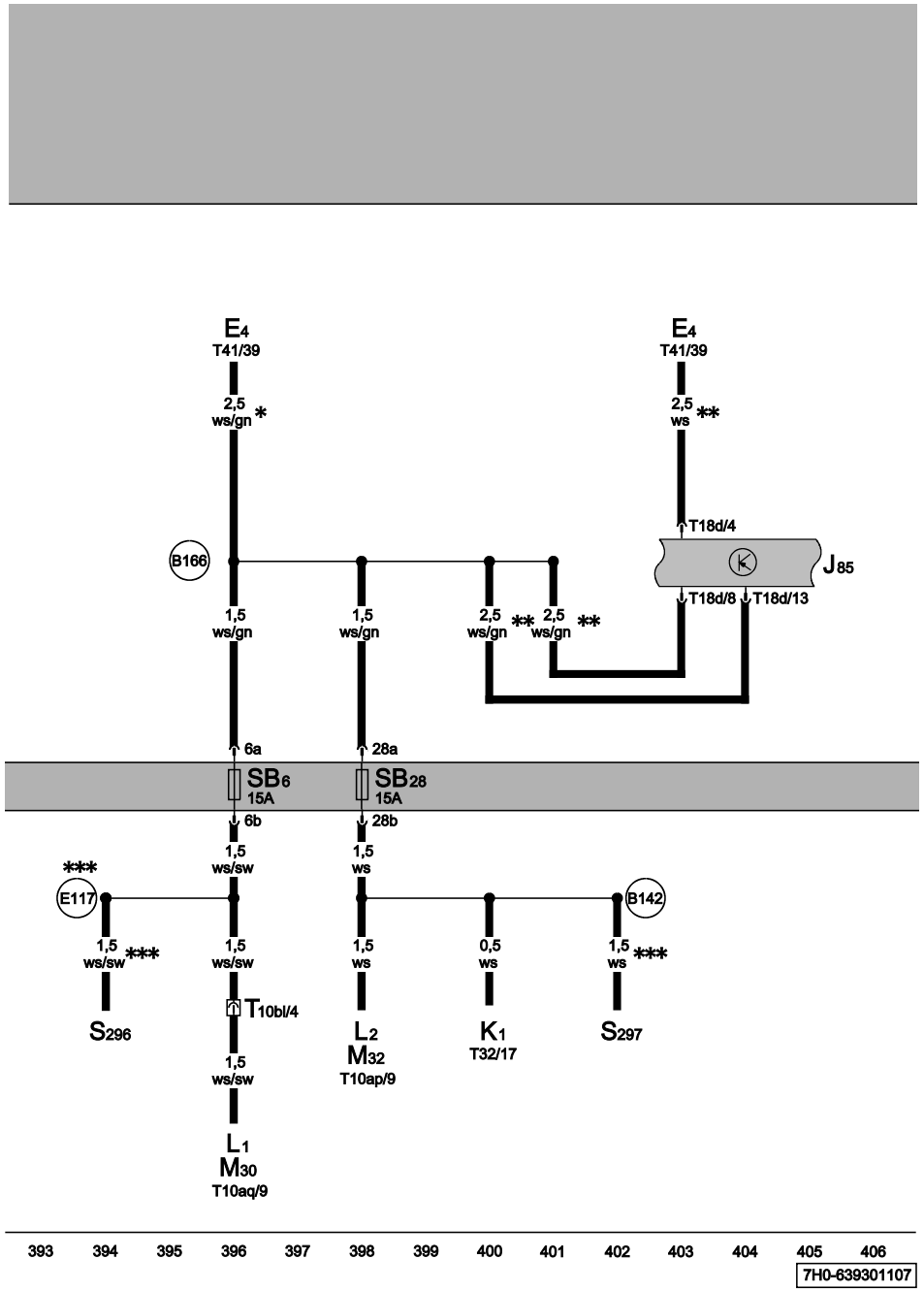
Fuse SB20

M1	Left side light bulb
M4	Left tail light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T13	13-pin connector
U10	Trailer socket
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
W13	Connection (58L), in rear wiring harness
*	for models with double cab/ plank bed only
**	for models without trailer operation only
***	for models with trailer operation only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with electric interface only



Fuse SB21

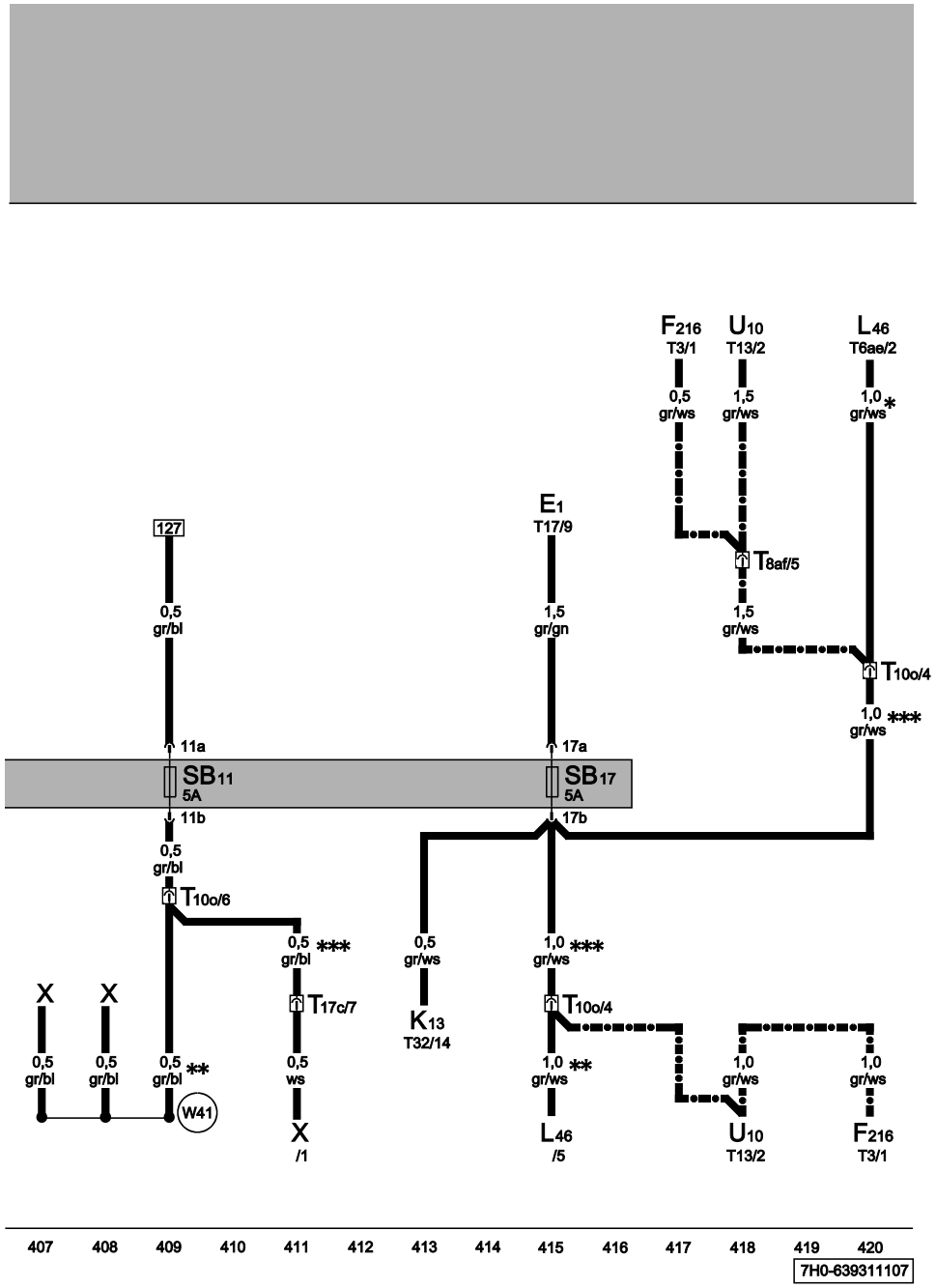
E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M2	Right tail light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
W14	Connection (58R), in rear wiring harness
*	for models with double cab/ plank bed only
**	for multivan, box-type delivery van and hybrid vehicle only
***	for models with trailer operation only
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<fo:external-graphic src="../PDOC/	for models with day driving light only



Fuses S296, S297, SB6 and SB28

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
K1	Main beam warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M32	Right main beam bulb
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T18d	18-pin connector, blue
T32	32-pin connector, blue
T41	41-pin connector
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	for models without taxi equipment only
**	for models with taxi equipment only
***	for models with electric interface only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
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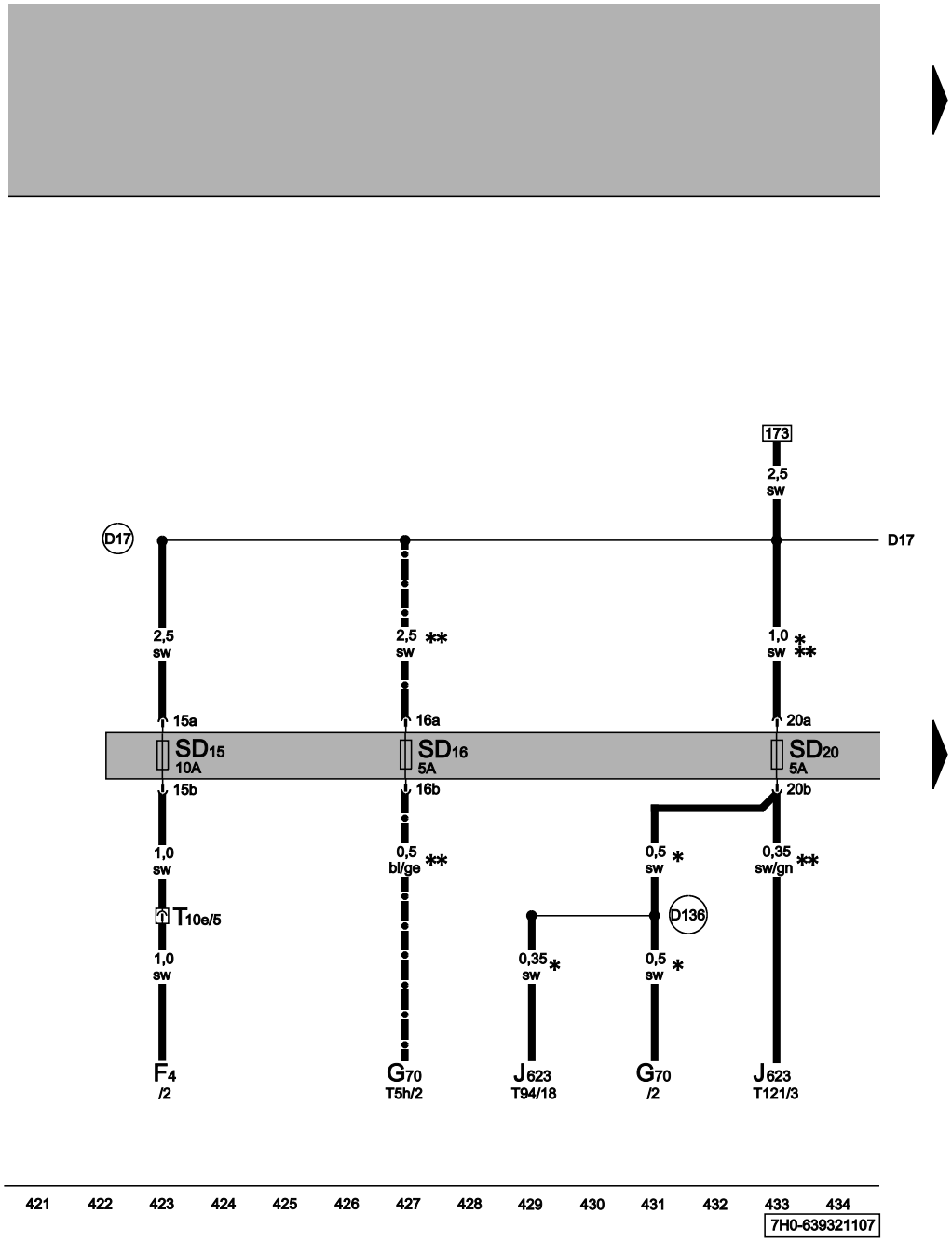


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB11 and SB17

E1	Light switch
F216	Rear fog light cut-out contact switch
K13	Rear fog light warning lamp
L46	Rear left fog light bulb
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T32	32-pin connector, blue
U10	Trailer socket
X	Number plate light
W41	Positive connection (58), in licence plate lights wiring harness
*	for models without trailer operation only
**	for models with double cab/ plank bed only
***	not for models with double cab/ plank bed

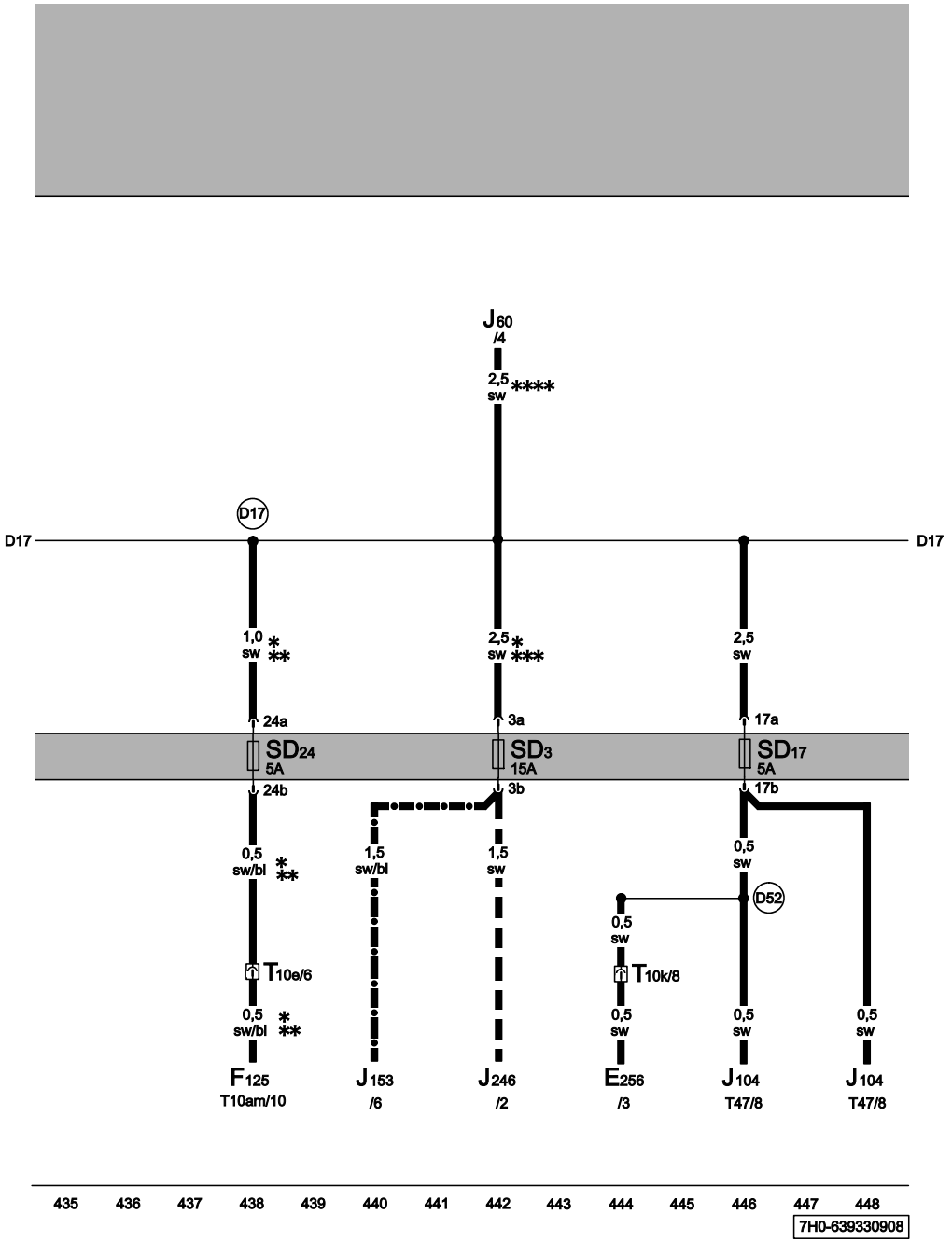
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for models with trailer operation only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD15, SD16 and SD20

F4	Reversing light switch
G70	Air mass meter
J623	Engine control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD20	Fuse 20 on fuse holder D
T5h	5-pin connector, brown
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T94	94-pin connector
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
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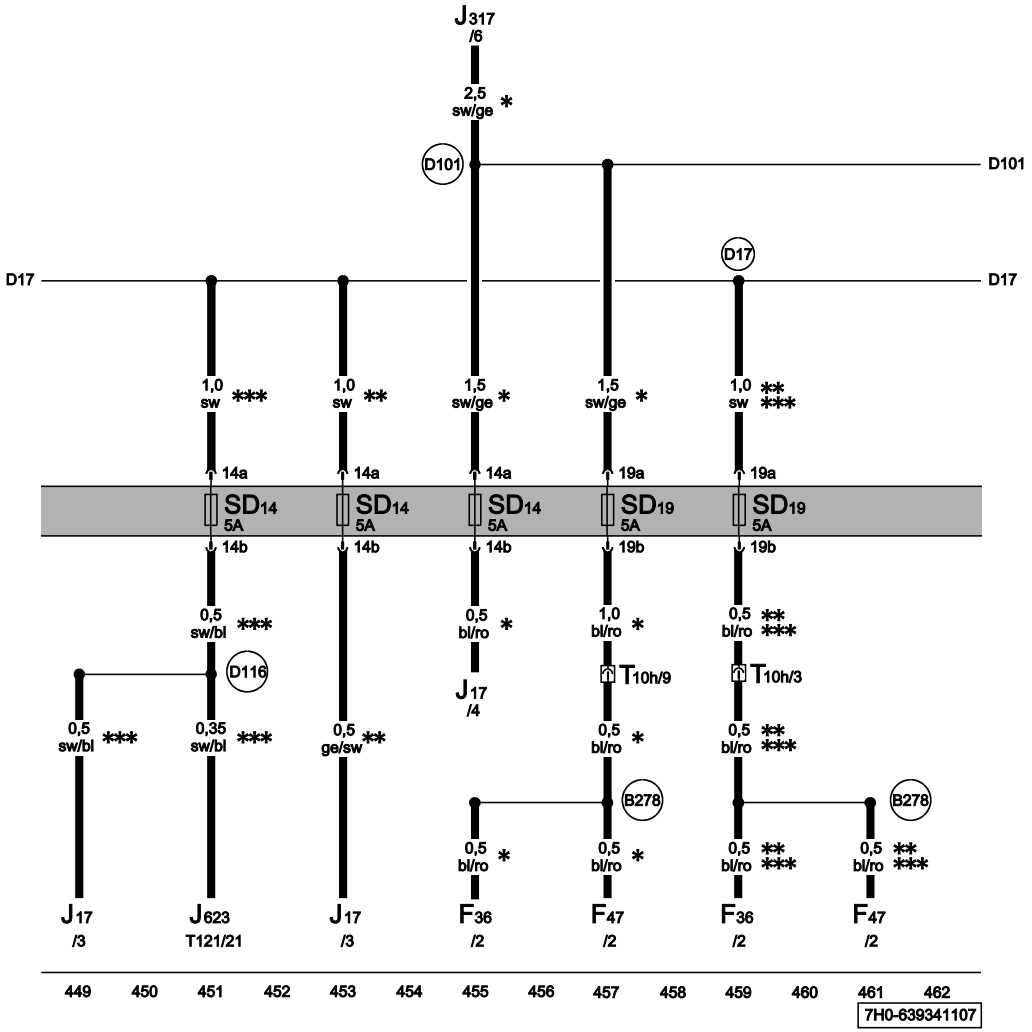
Fuses SD3, SD17 and SD24

E256	TCS and ESP button
F125	Multifunction switch
J60	Automatic gearbox relay
J104	ABS control unit
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T47	47-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with engine codes AXA, AXB, AXC, BRR and BRS only
****	for models with automatic gearbox only
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or	=	orange
rs	=	pink

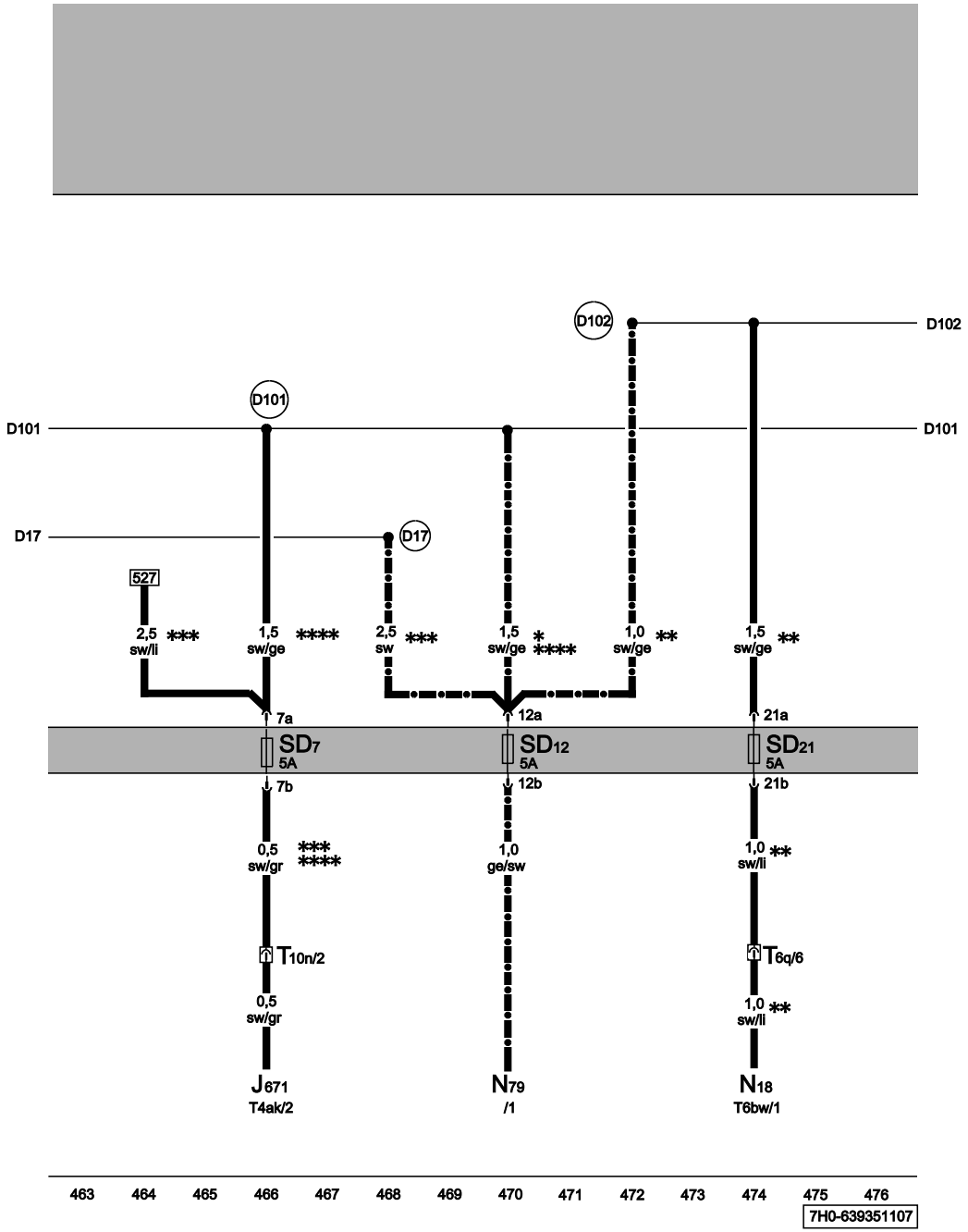
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Fuses SD14 and SD19

F36	Clutch pedal switch
F47	Brake pedal switch
J17	Fuel pump relay
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

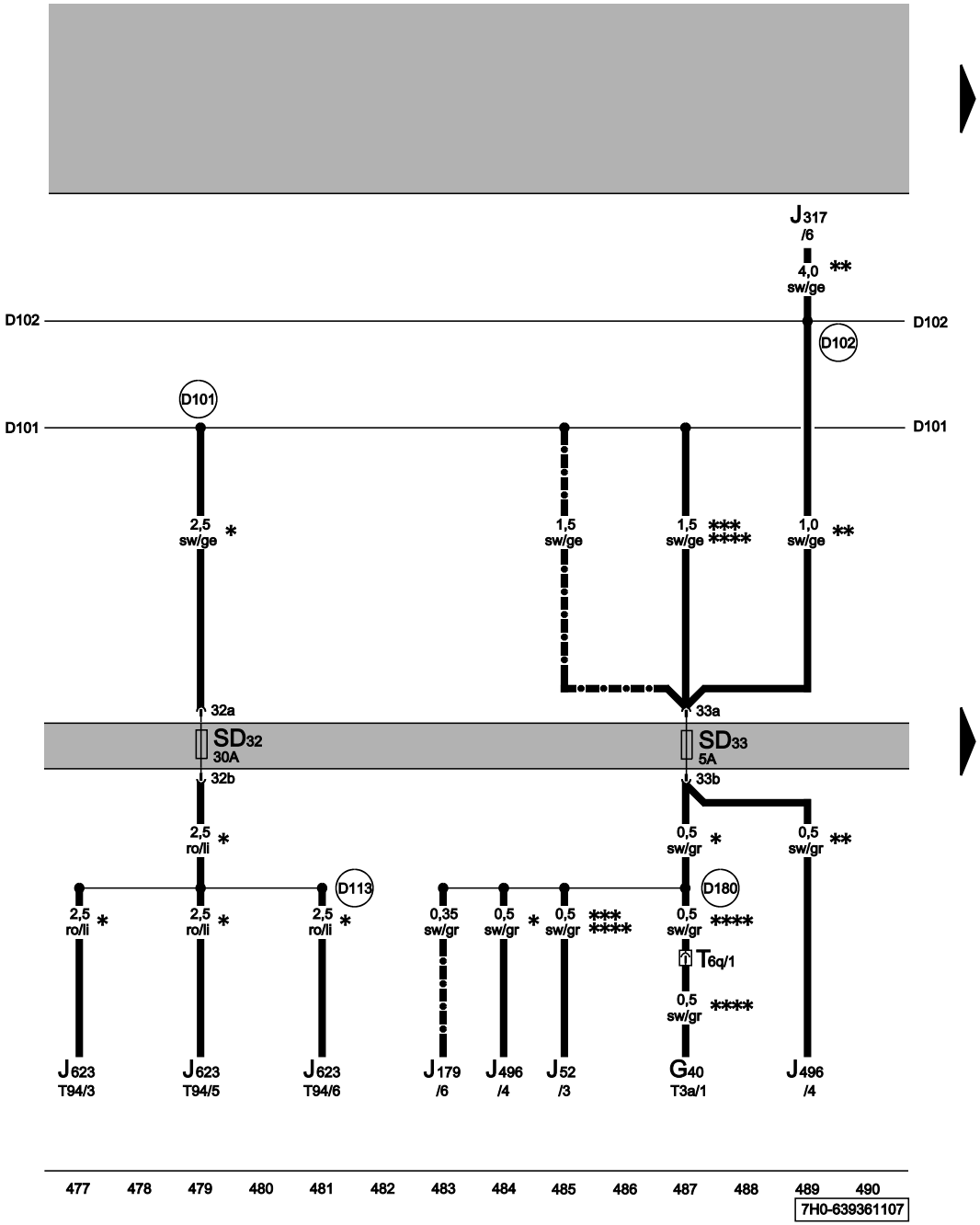
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD7, SD12 and SD21

J671	Radiator fan control unit 2
N18	Exhaust gas recirculation valve
N79	Heater element for crankcase breather
SD7	Fuse 7 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
T4ak	4-pin connector, black, near radiator fan
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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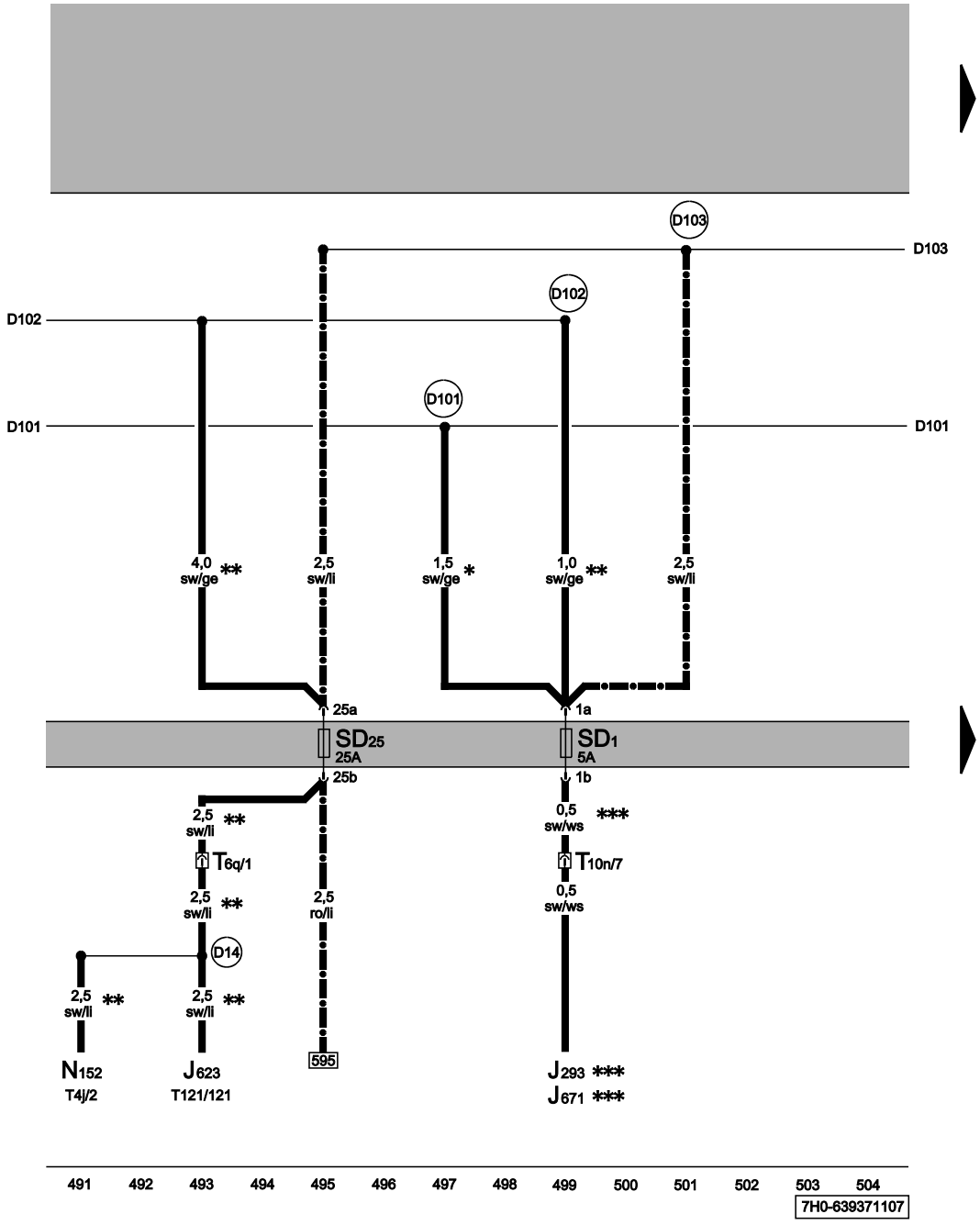


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD32 and SD33

G40	Hall sender
J52	Glow plug relay
J179	Automatic glow period control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T94	94-pin connector
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	models with engine codes AXD, AXE and BLJ only
****	for models with engine codes AXB and AXC only

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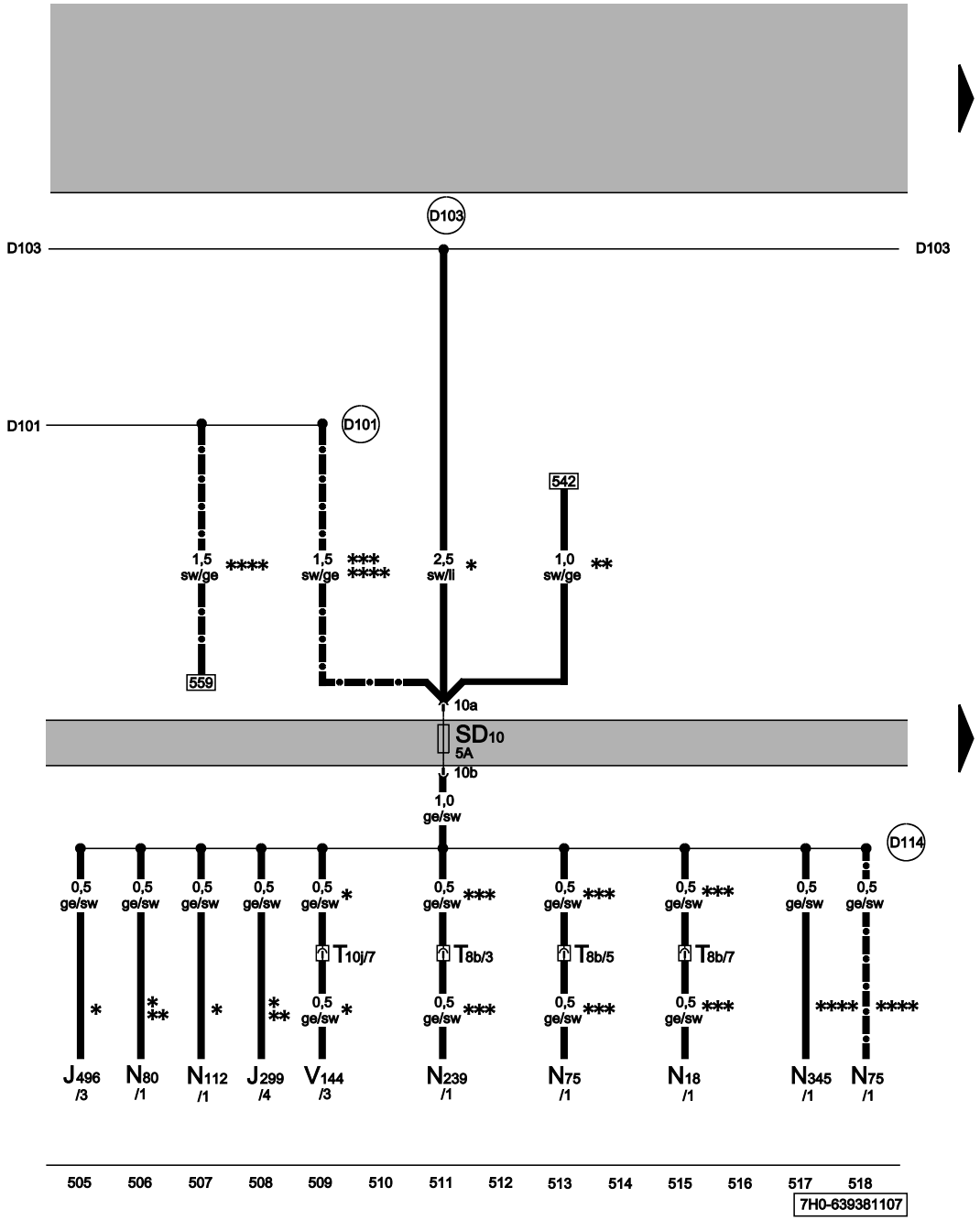


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD1 and SD25

J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N152	Ignition transformer
SD1	Fuse 1 on fuse holder D
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D14	Connection (ignition coil - control unit), in front right wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	⇒ radiator fan Current Flow Diagram
<fo:exter	for models with engine codes BDL, BDM and BKK only

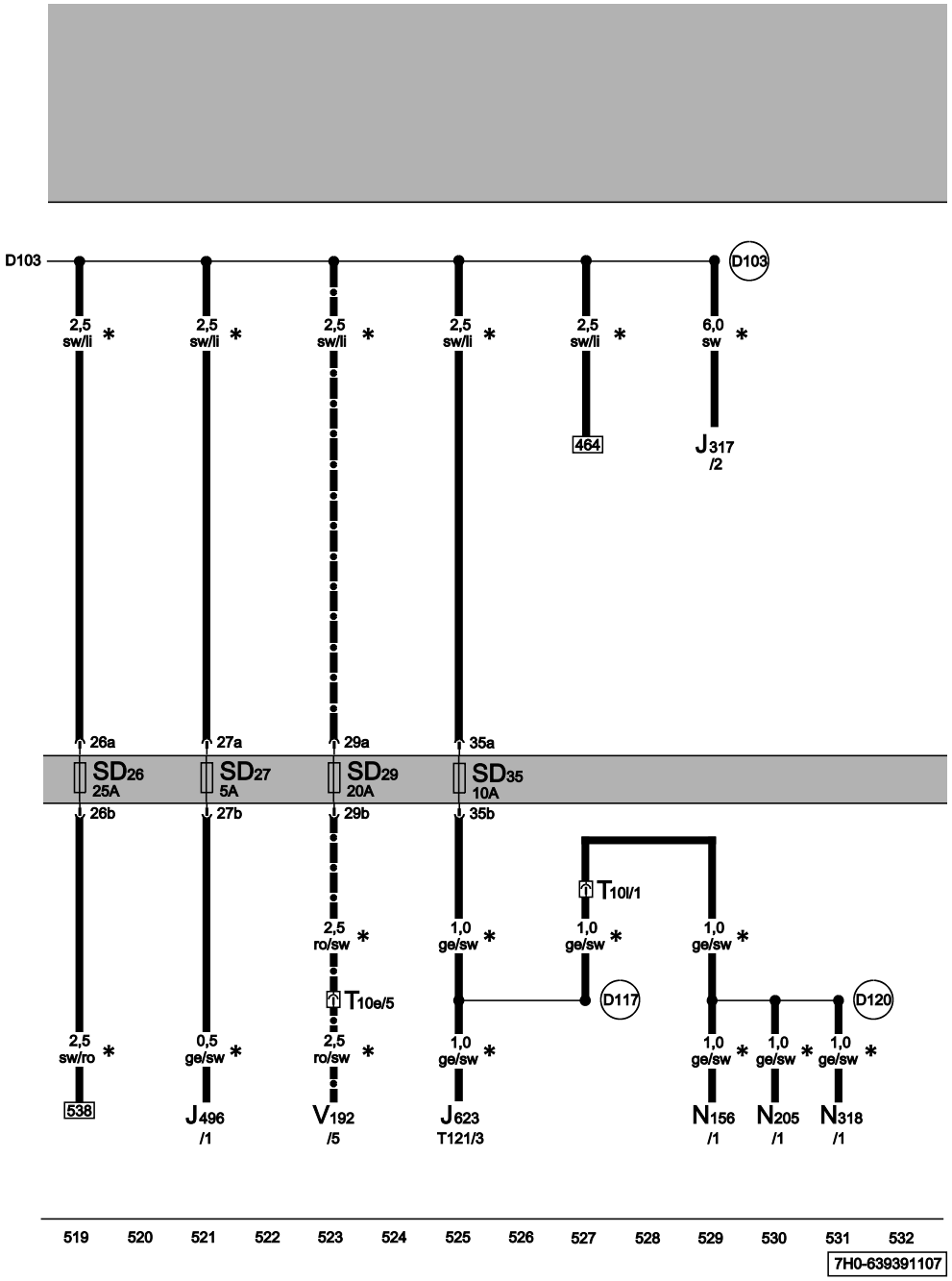
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li = purple
ge = yellow
or = orange
rs = pink

Fuse SD10

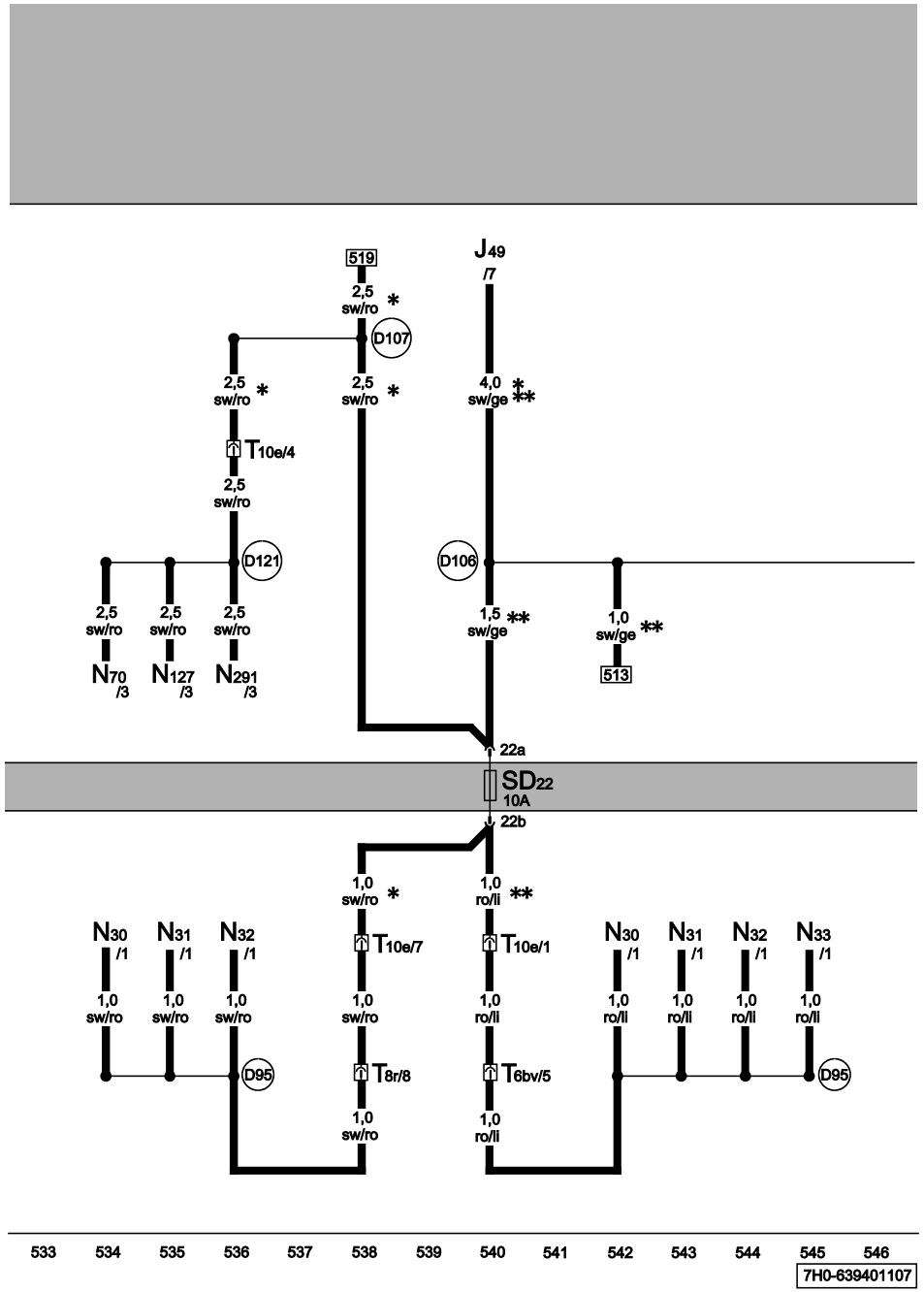
J299	Secondary air pump relay
J496	Additional coolant pump relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
V144	Fuel system diagnostic pump
D101	Connection 1, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
****	for models with engine codes BNZ and BPC only
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or = orange
rs = pink

Fuses SD26, SD27, SD29 and SD35

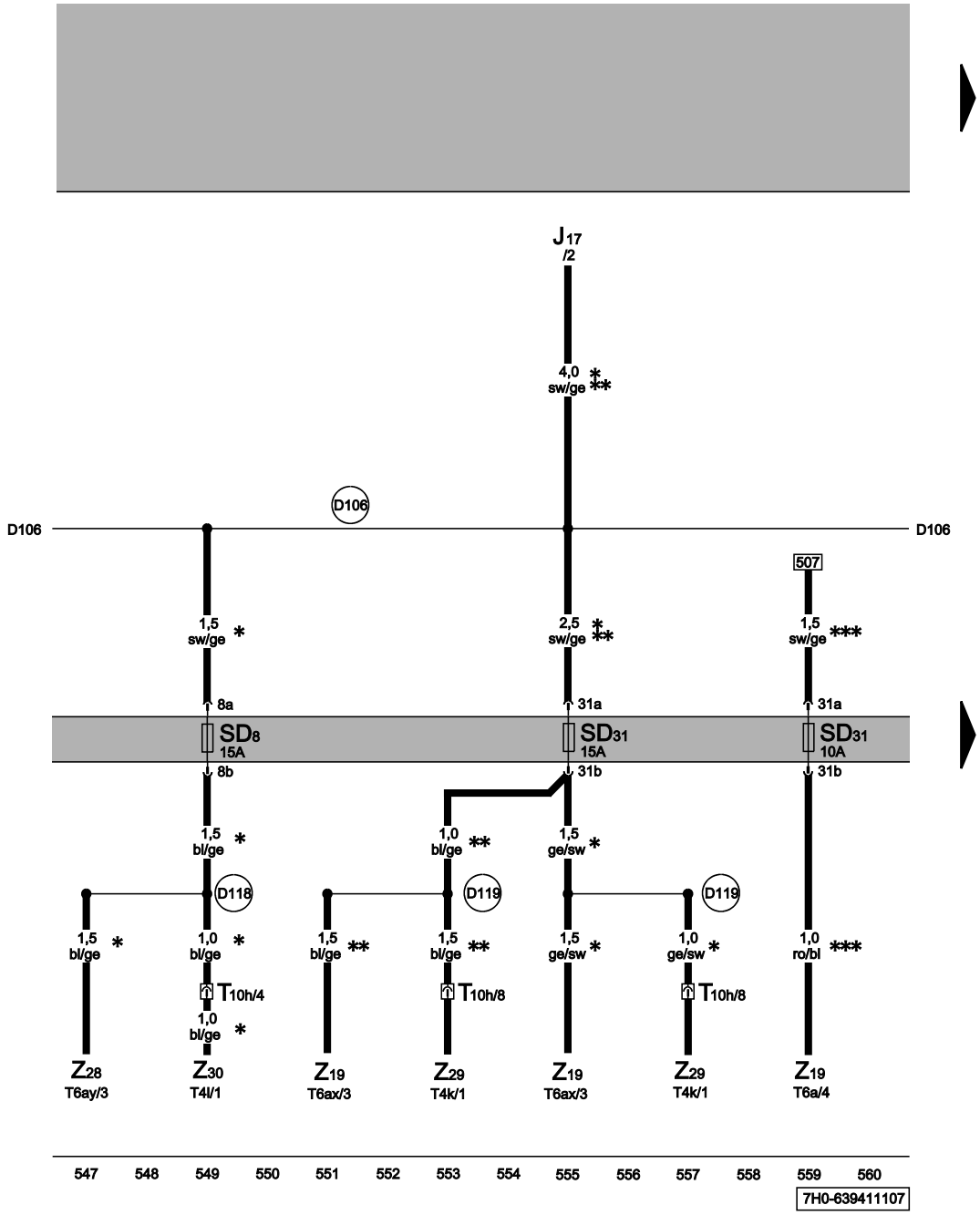
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD35	Fuse 35 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V192	Vacuum pump for brakes
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with automatic gearbox only



Fuse SD22

J49	Electric fuel pump 2 relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD22	Fuse 22 on fuse holder D
T6bv	6-pin connector, black, near cylinder head
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only

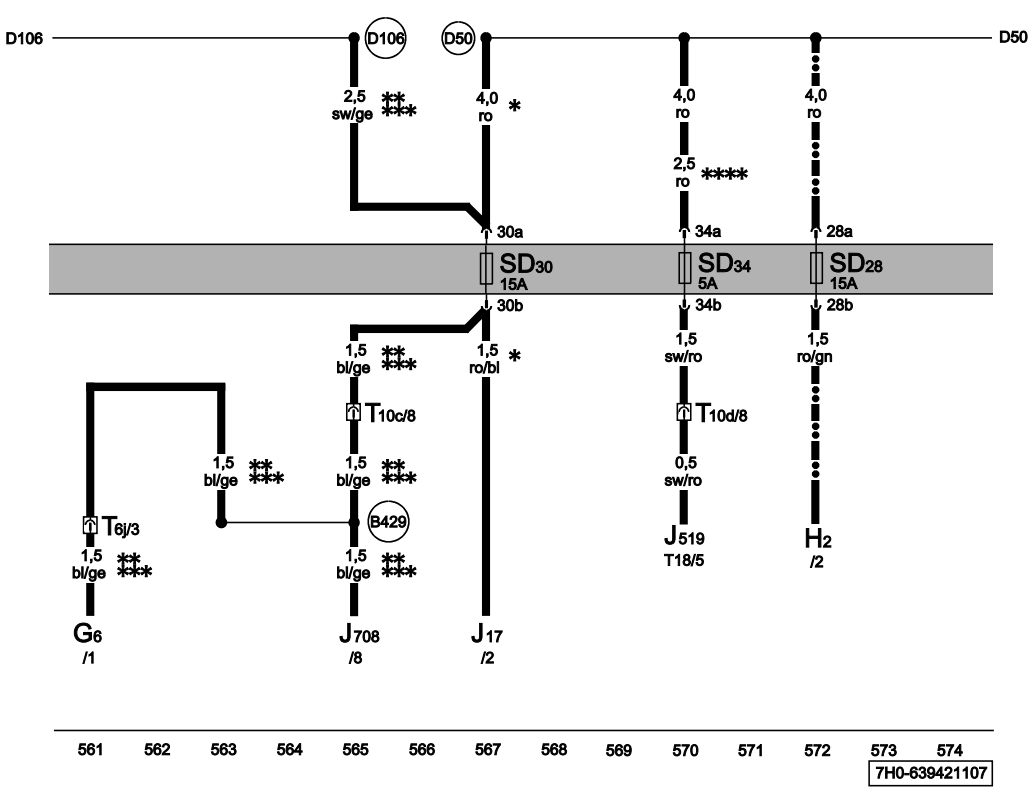
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or	=	orange
rs	=	pink



Fuses SD8 and SD31

J17	Fuel pump relay
SD8	Fuse 8 on fuse holder D
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6a	6-pin connector, black, centre in engine compartment
T6ax	6-pin connector, black, in right engine compartment
T6ay	6-pin connector, brown, on left in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes BNZ, BPC, BRR and BRS only

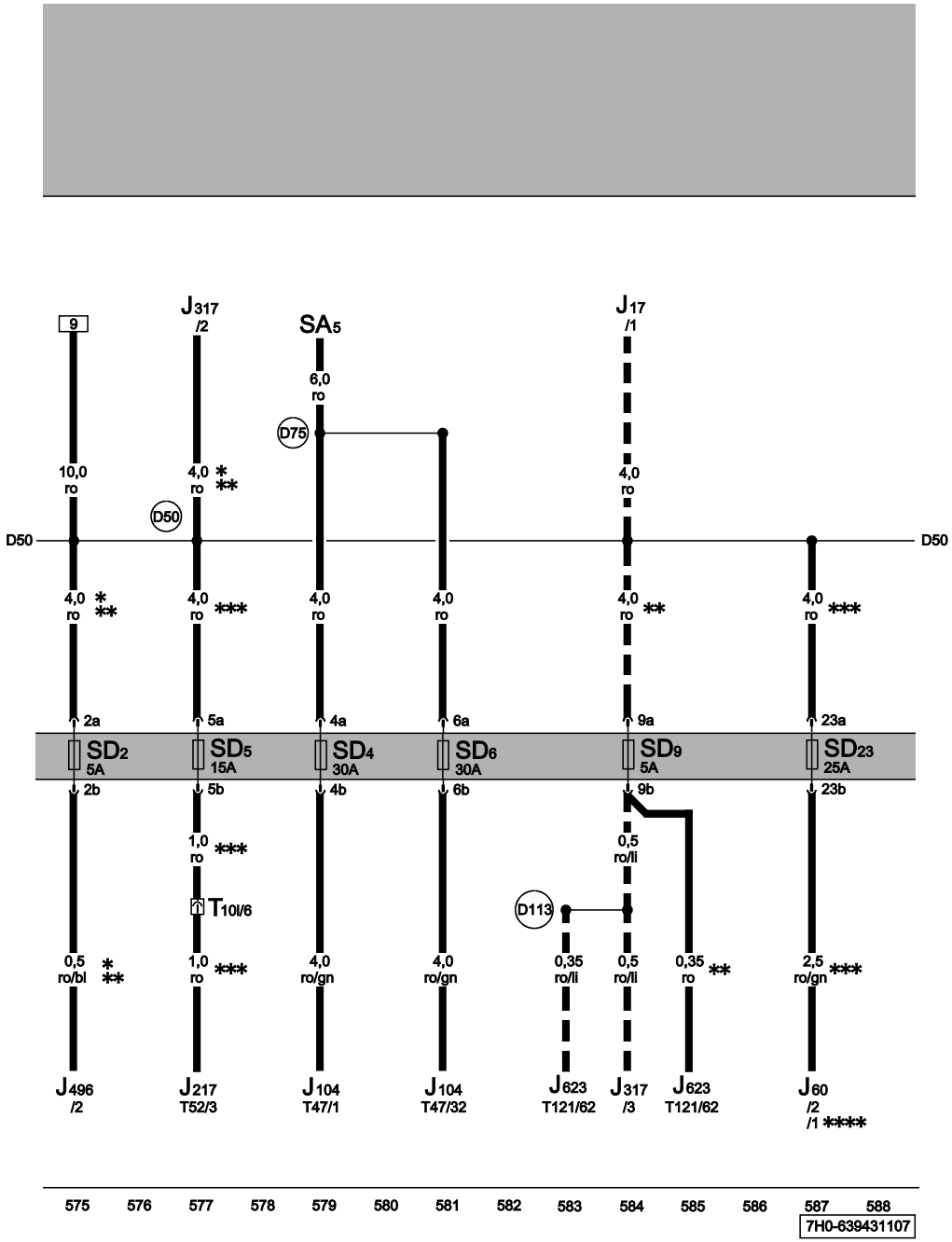
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD28, SD30 and SD34

G6	Fuel system pressurisation pump
H2	Treble tone horn
J17	Fuel pump relay
J519	Onboard supply control unit
J708	Residual heat relay
SD28	Fuse 28 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD34	Fuse 34 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	applicable from November 2007
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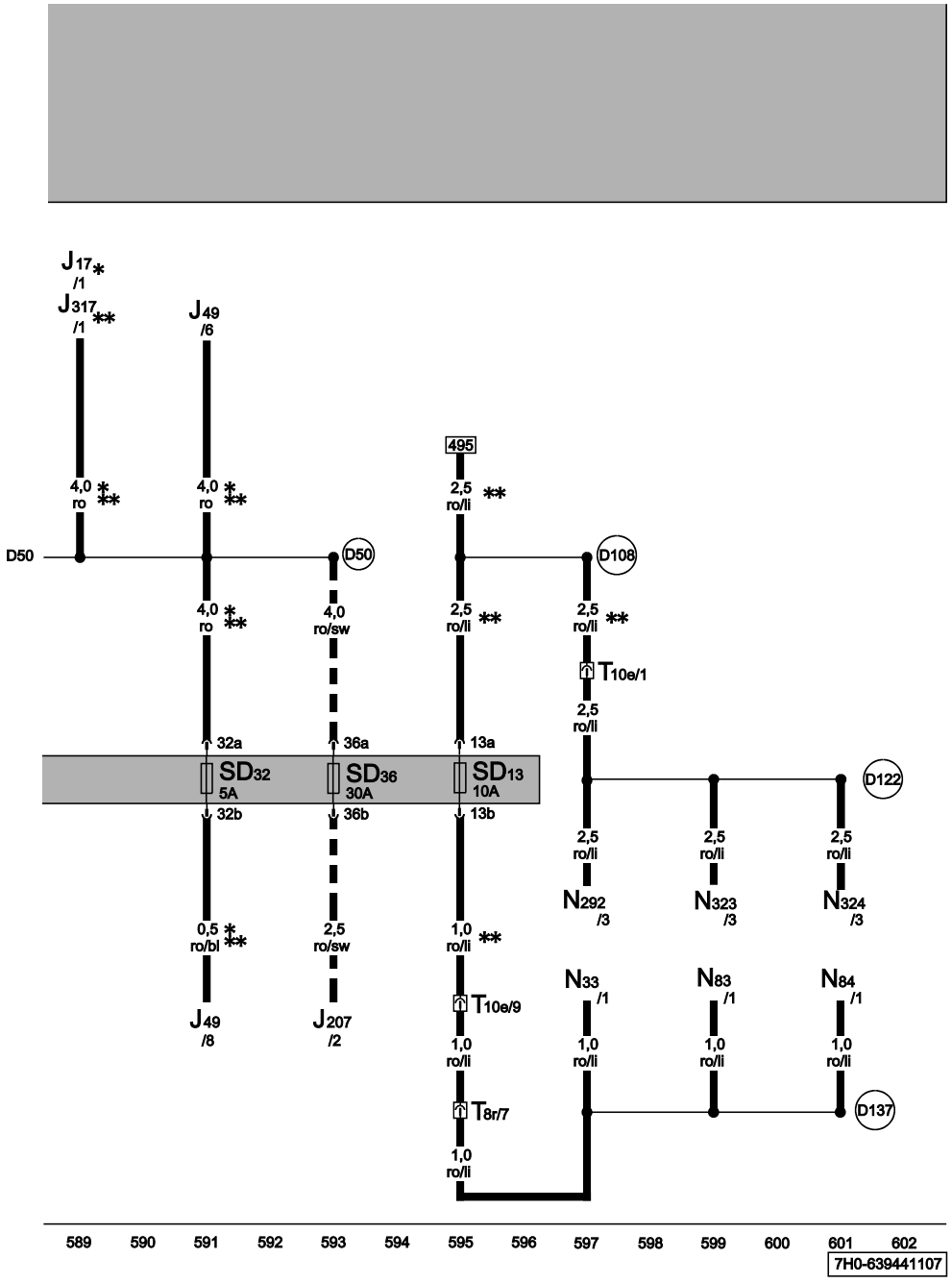


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SA5, SD2, SD4, SD5, SD6, SD9 and SD23

J17	Fuel pump relay
J60	Automatic gearbox relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SA5	Fuse 5 on fuse holder A
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD23	Fuse 23 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D75	Positive connection 2 (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with automatic gearbox only
****	applicable from November 2007
<fo:exter	for models with engine codes BDL, BDM and BKK only

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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD13, SD32 and SD36

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD32	Fuse 32 on fuse holder D
SD36	Fuse 36 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram

2.5 l/96 kW - Turbodiesel engine, engine code BNZ

from November 2007

2.5 l/128 kW - Turbodiesel engine, engine code BPC

from November 2007

Notes:

For information concerning

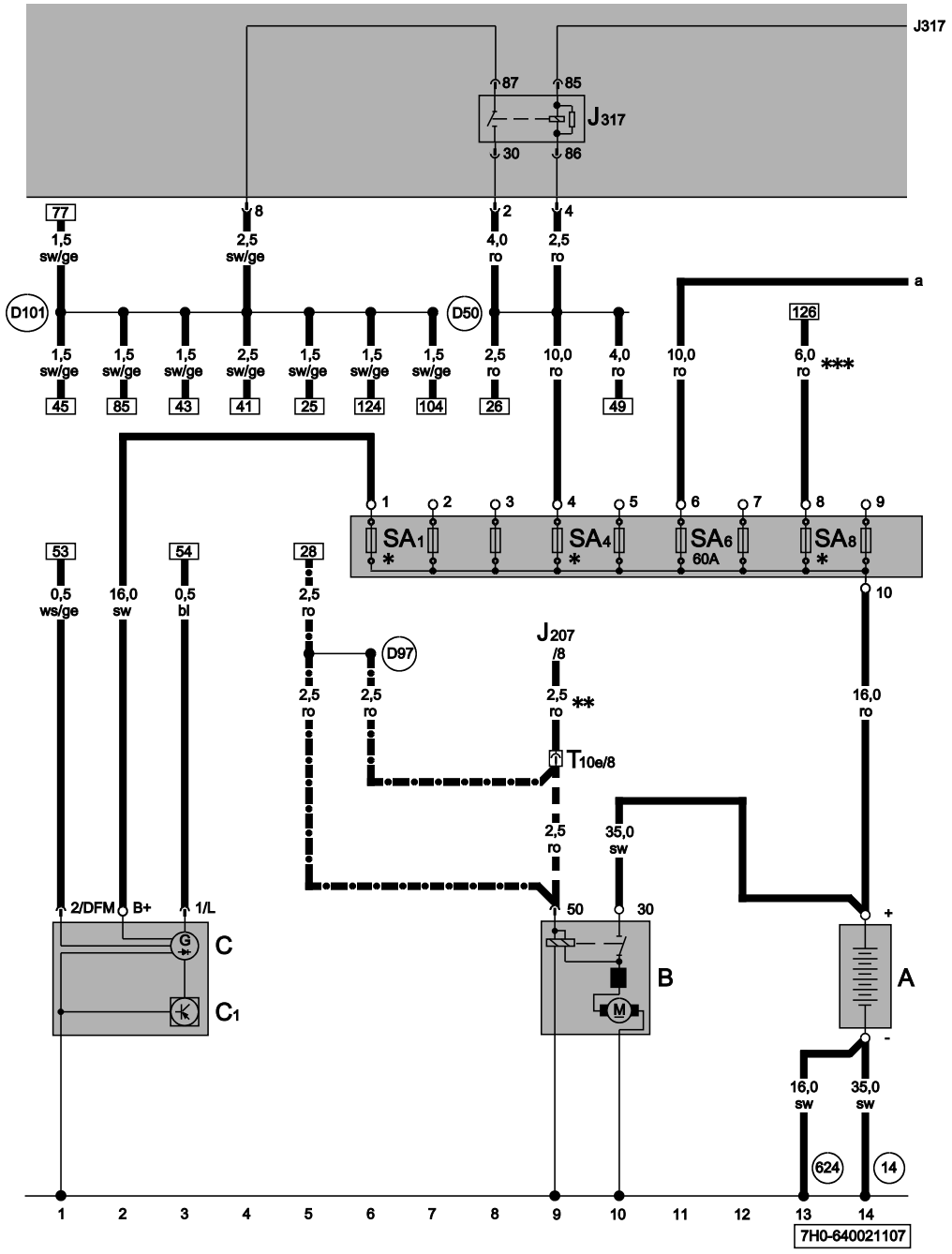
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
***	for models without air conditioning system only

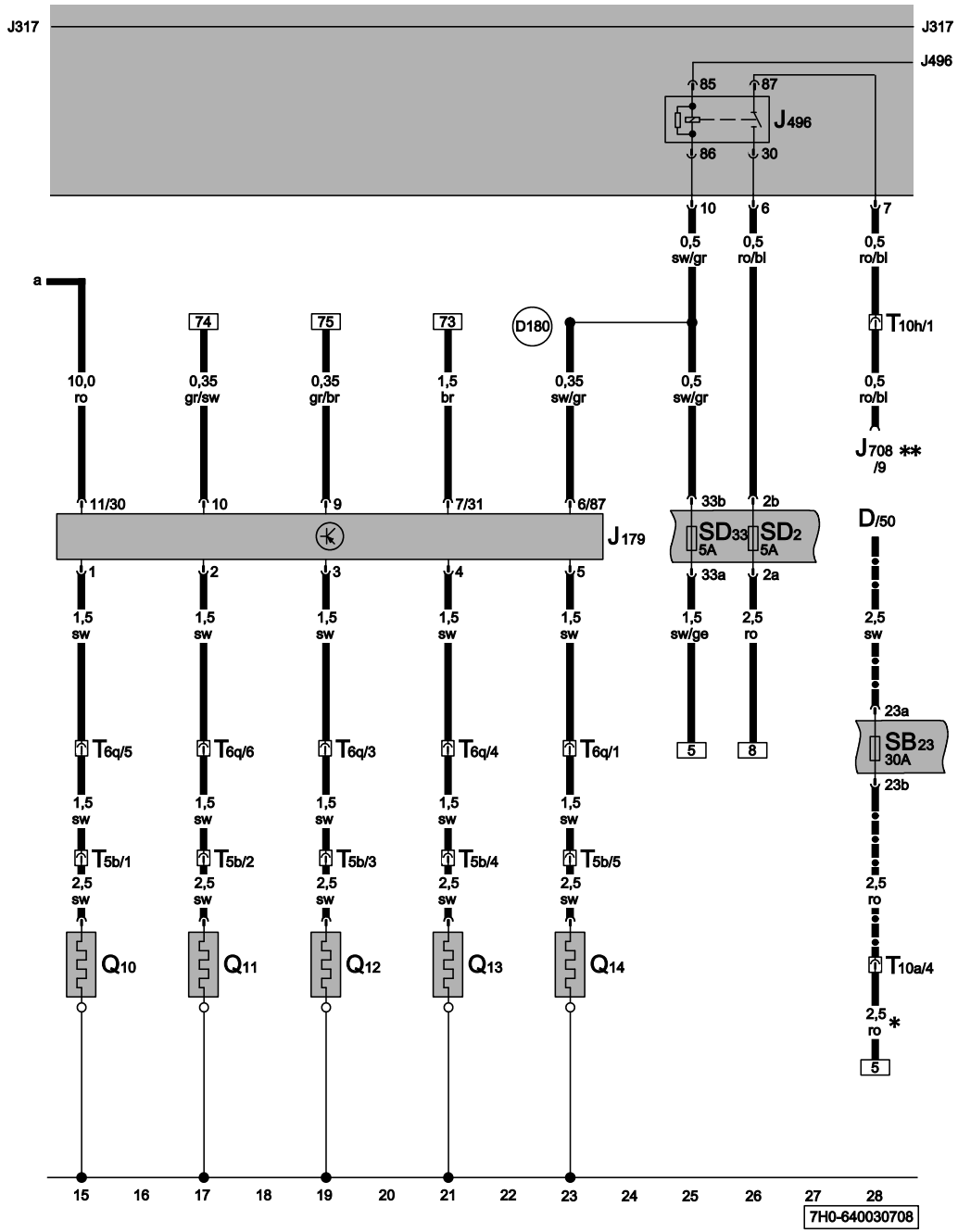
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for models with manual gearbox only

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gr	=	grey
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ge	=	yellow
or	=	orange
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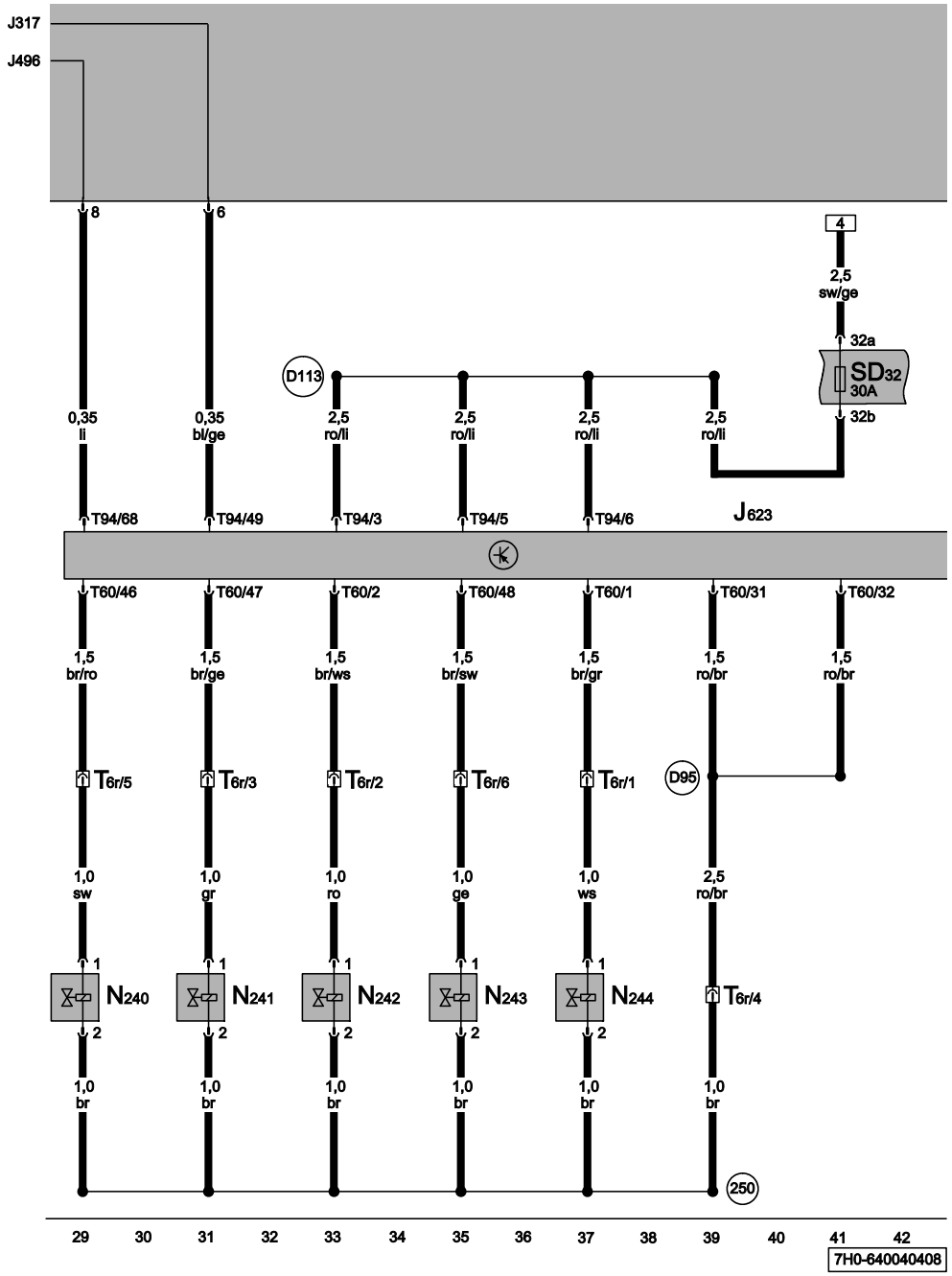
for models with automatic gearbox only

Automatic glow period control unit, additional coolant pump relay, glow plugs, fuses, ignition/starter switch



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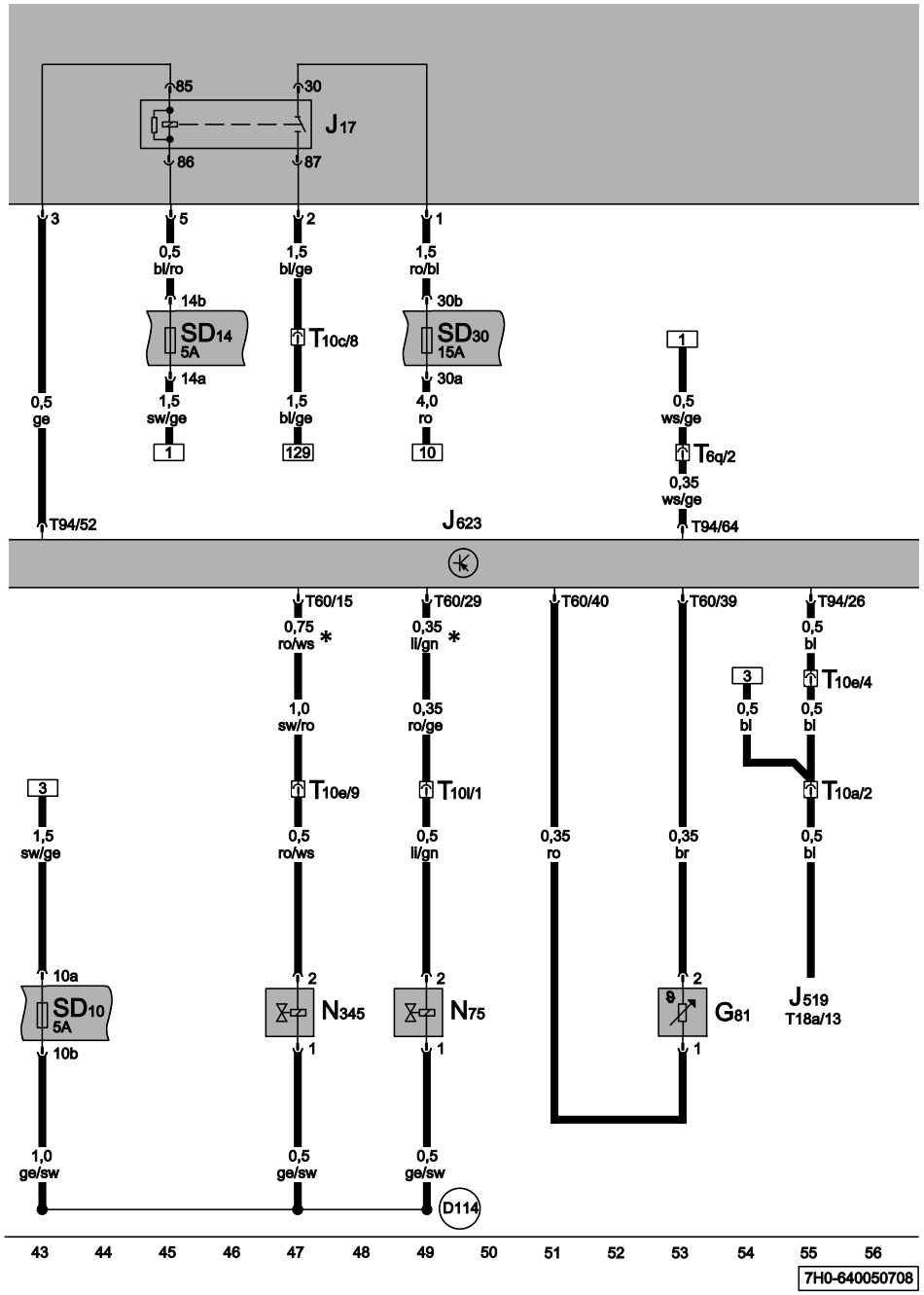
D	Ignition/starter switch
J179	Automatic glow period control unit
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SB23	Fuse 23 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D180	Connection (87a), in engine compartment wiring harness
*	for models with manual gearbox only
**	⇒ auxiliary coolant heater Current Flow Diagram
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with manual gearbox and without electric interface only



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

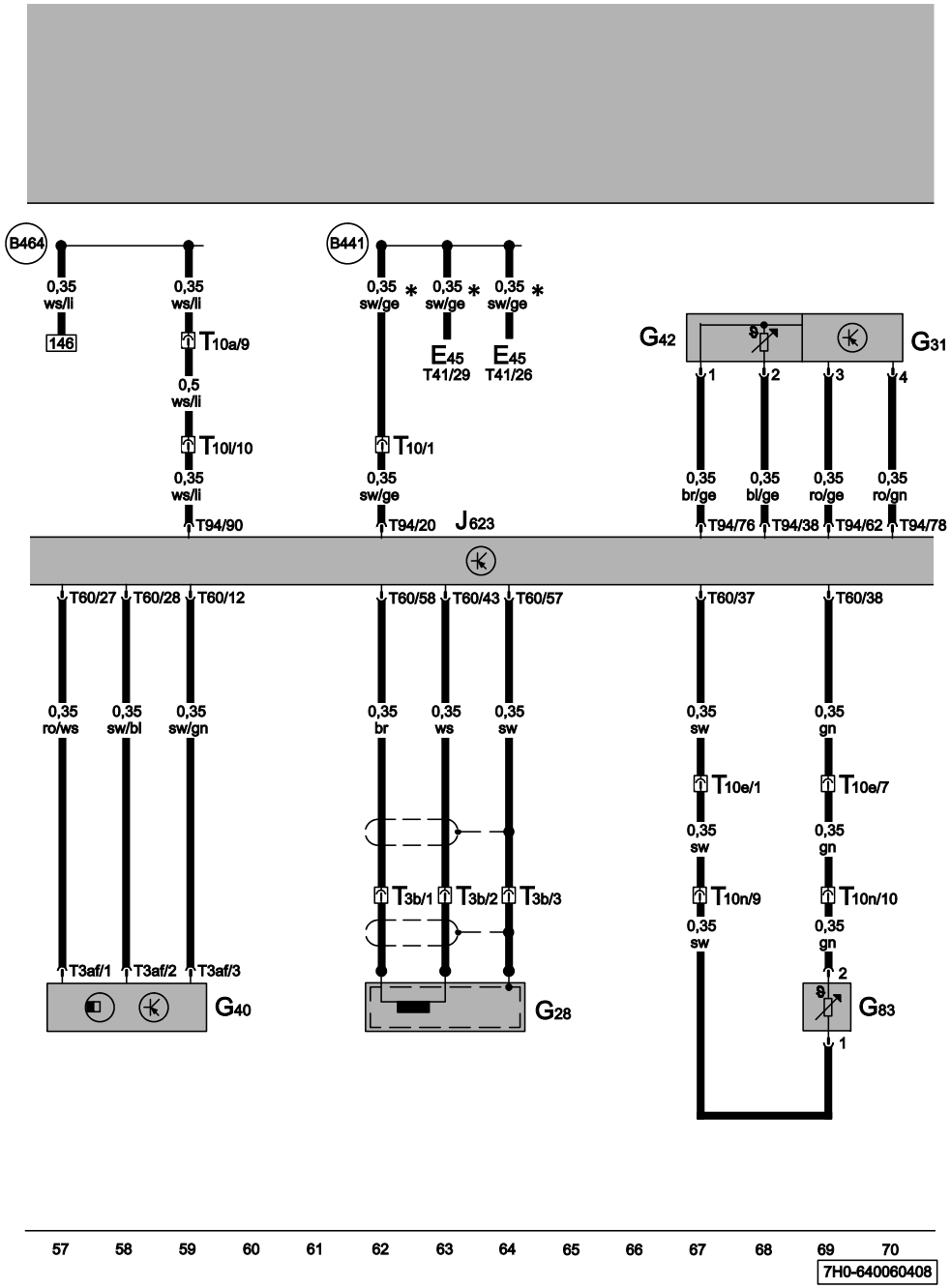
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
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or = orange
rs = pink

Engine control unit, fuel temperature sender, fuel pump relay, charge pressure control solenoid valve, exhaust gas recirculation cooler change-over valve

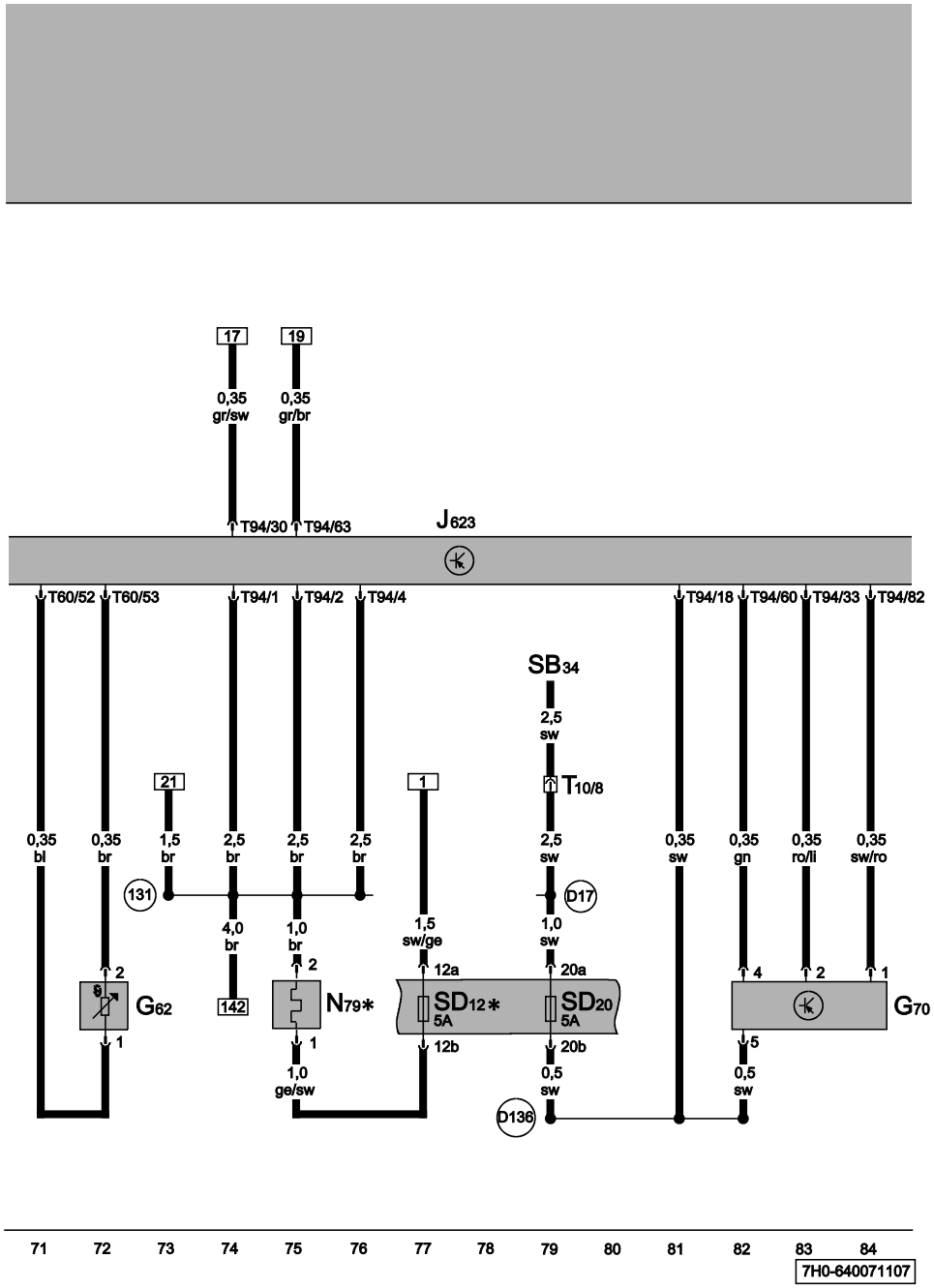
G81	Fuel temperature sender
J17	Fuel pump relay
J519	Onboard supply control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2008



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3b	3-pin connector, grey, on front of engine
T3af	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only

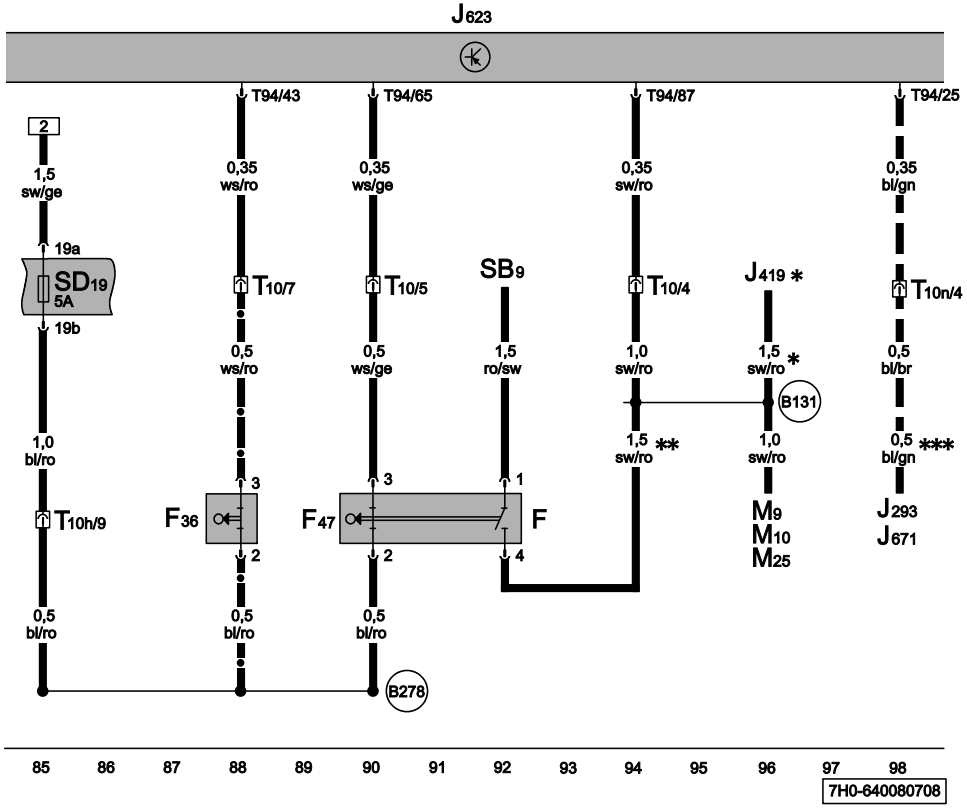


Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with heater element for crankcase breather only

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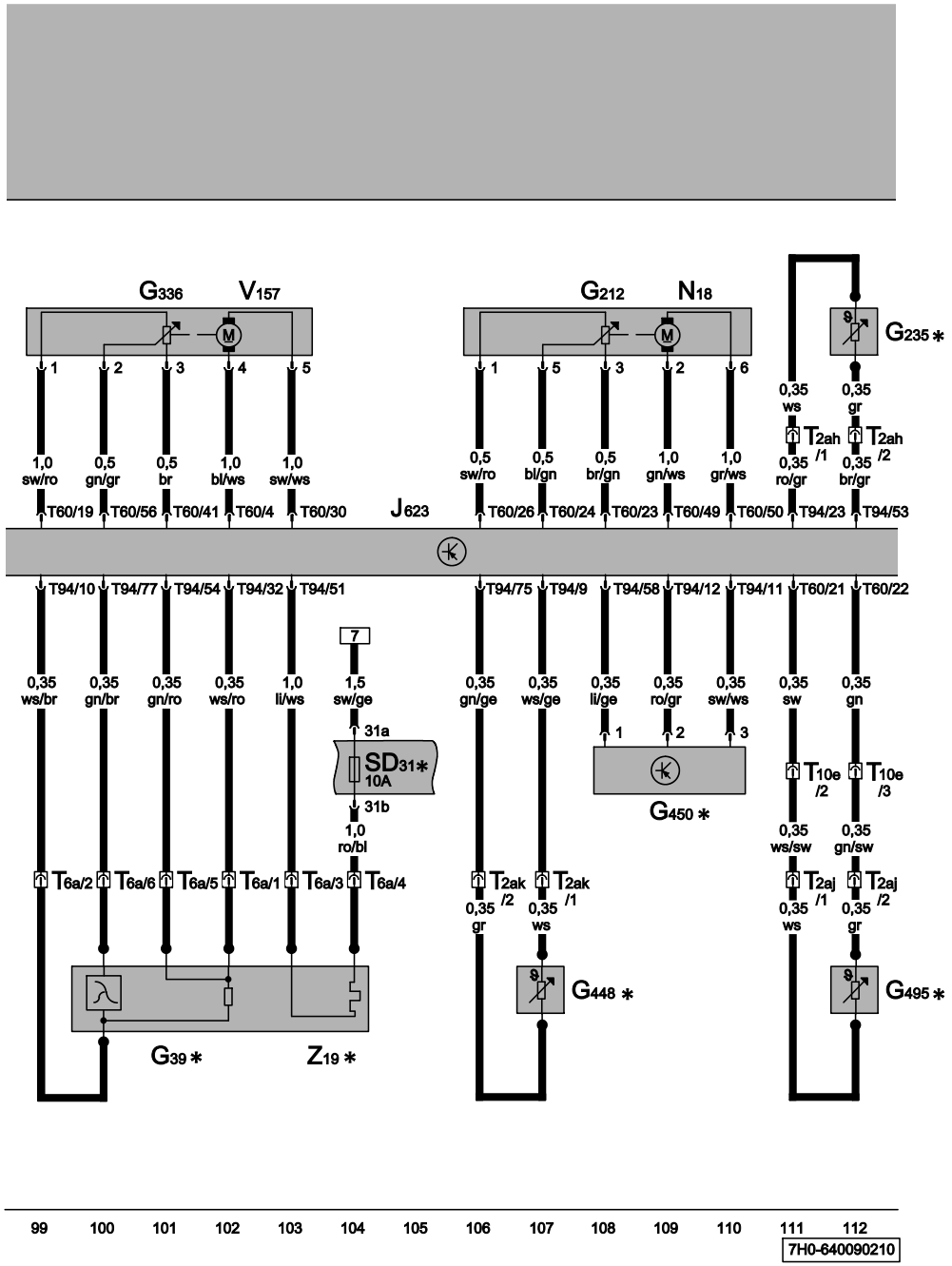
ws = white

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch, brake light bulbs

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	applicable from June 2008
<fo:exter	for models with Climatronic/ air conditioning system only ⇒
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<fo:exter	for models with manual gearbox only
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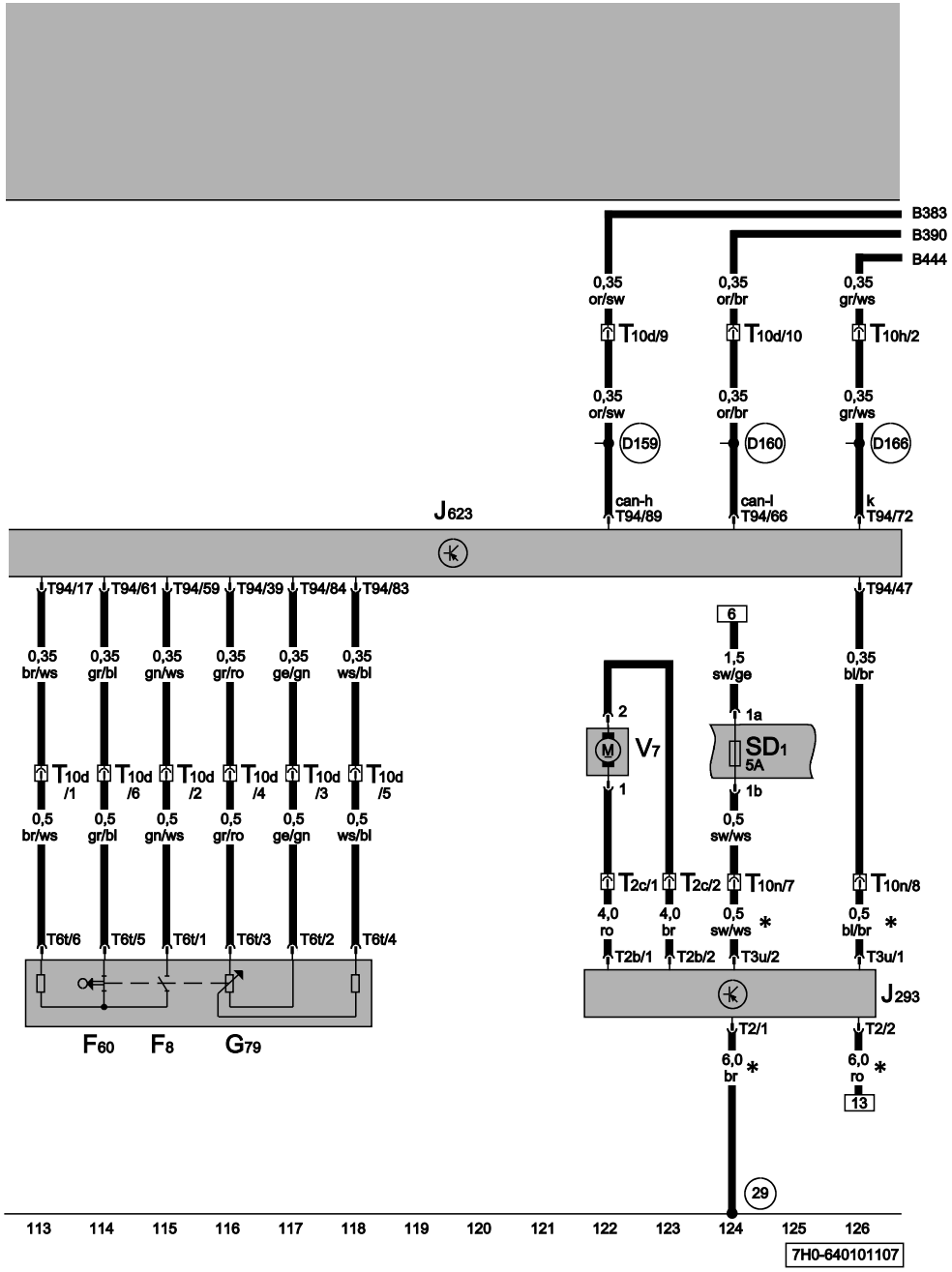


Engine control unit, lambda probe, exhaust gas temperature sender, exhaust gas pressure sensor 1, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, intake manifold flap potentiometer, intake manifold flap motor

G39	Lambda probe
G212	Exhaust gas recirculation potentiometer
G235	Exhaust gas temperature sender 1
G336	Intake manifold flap potentiometer
G448	Exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G495	Exhaust gas temperature sender 3
J623	Engine control unit
N18	Exhaust gas recirculation valve
SD31	Fuse 31 on fuse holder D
T2ah	2-pin connector, black, centre in engine compartment
T2aj	2-pin connector, orange, centre in engine compartment
T2ak	2-pin connector, brown, centre in engine compartment
T6a	6-pin connector, black, centre in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V157	Intake manifold flap motor
Z19	Lambda probe heater
*	for models with particulate filter only

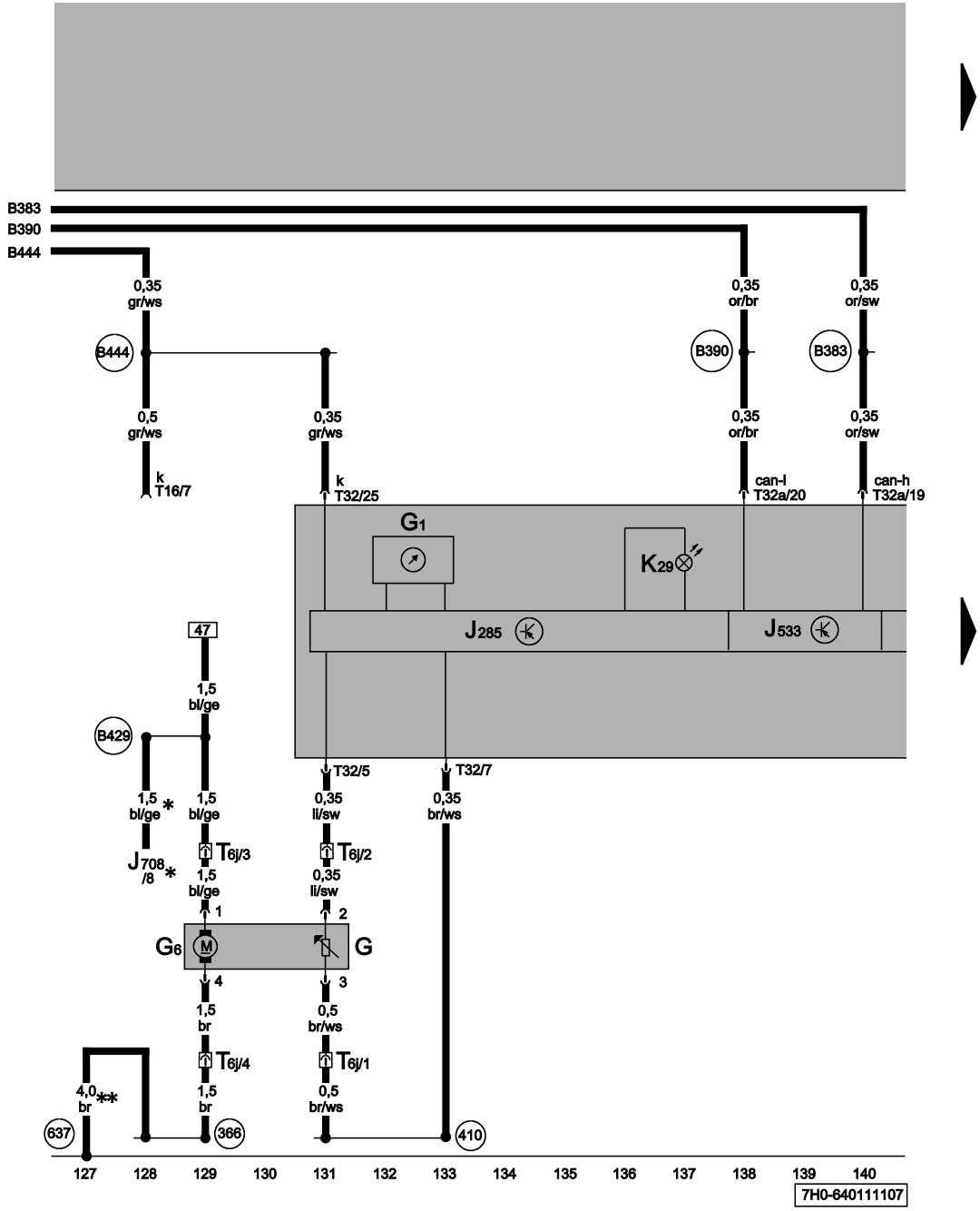
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or	=	orange
rs	=	pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



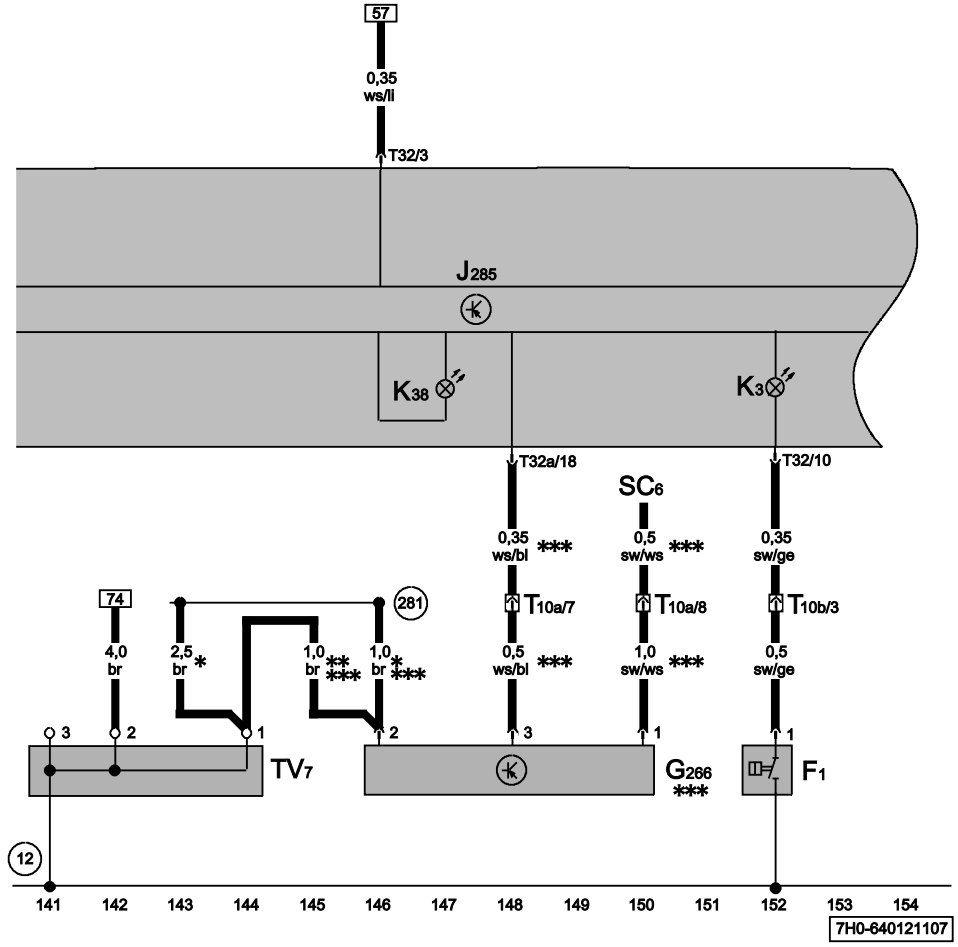
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or = orange
rs = pink

Dash panel insert, fuel gauge sender, fuel system pressurisation pump, warning lamp

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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ge	=	yellow
or	=	orange
rs	=	pink

1.9 l/75 kW - Turbodiesel engine, engine code BRS

from November 2007

1.9 l/62 kW - Turbodiesel engine, engine code BRR

from November 2007

Notes:

For information concerning

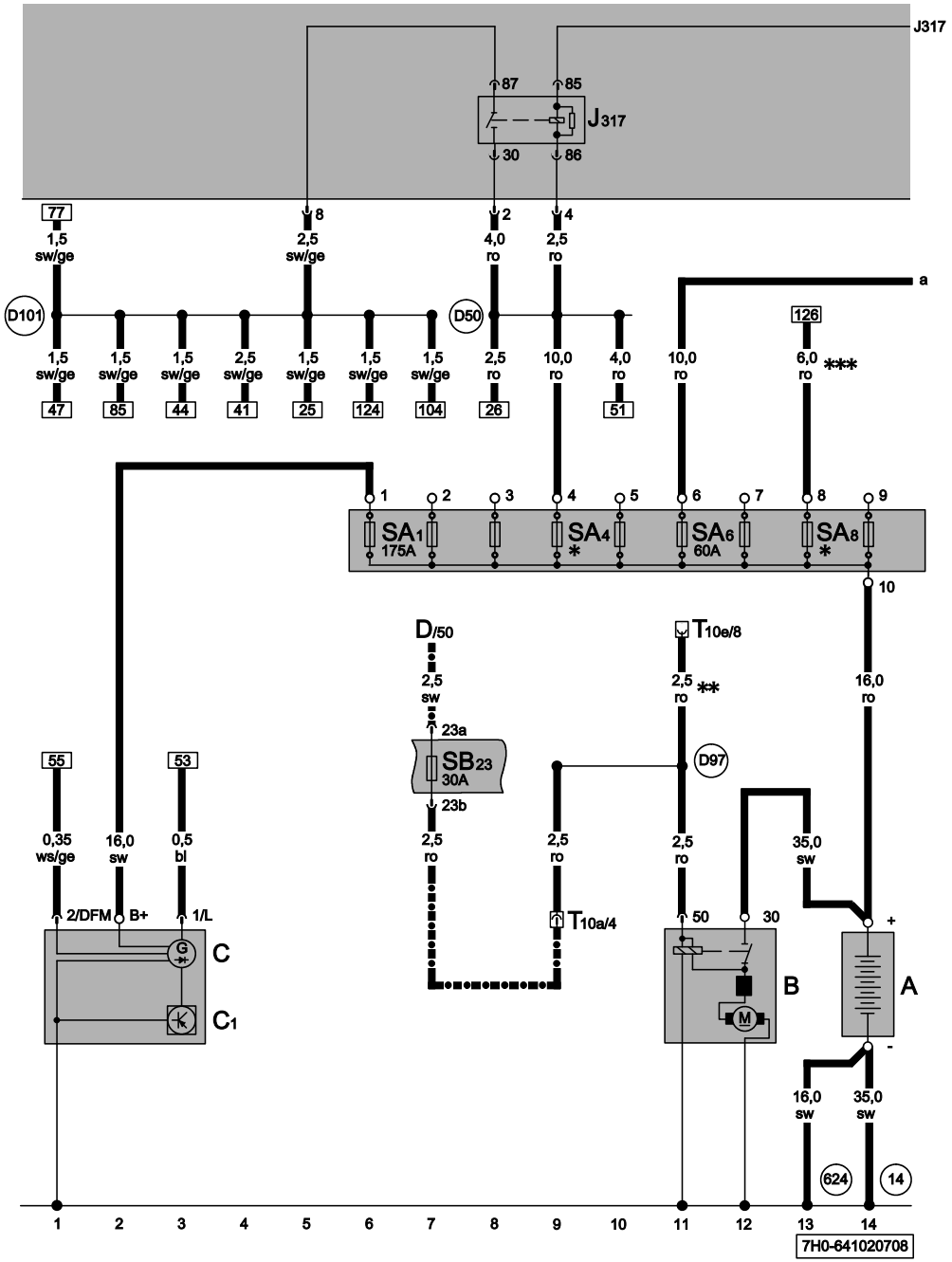
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

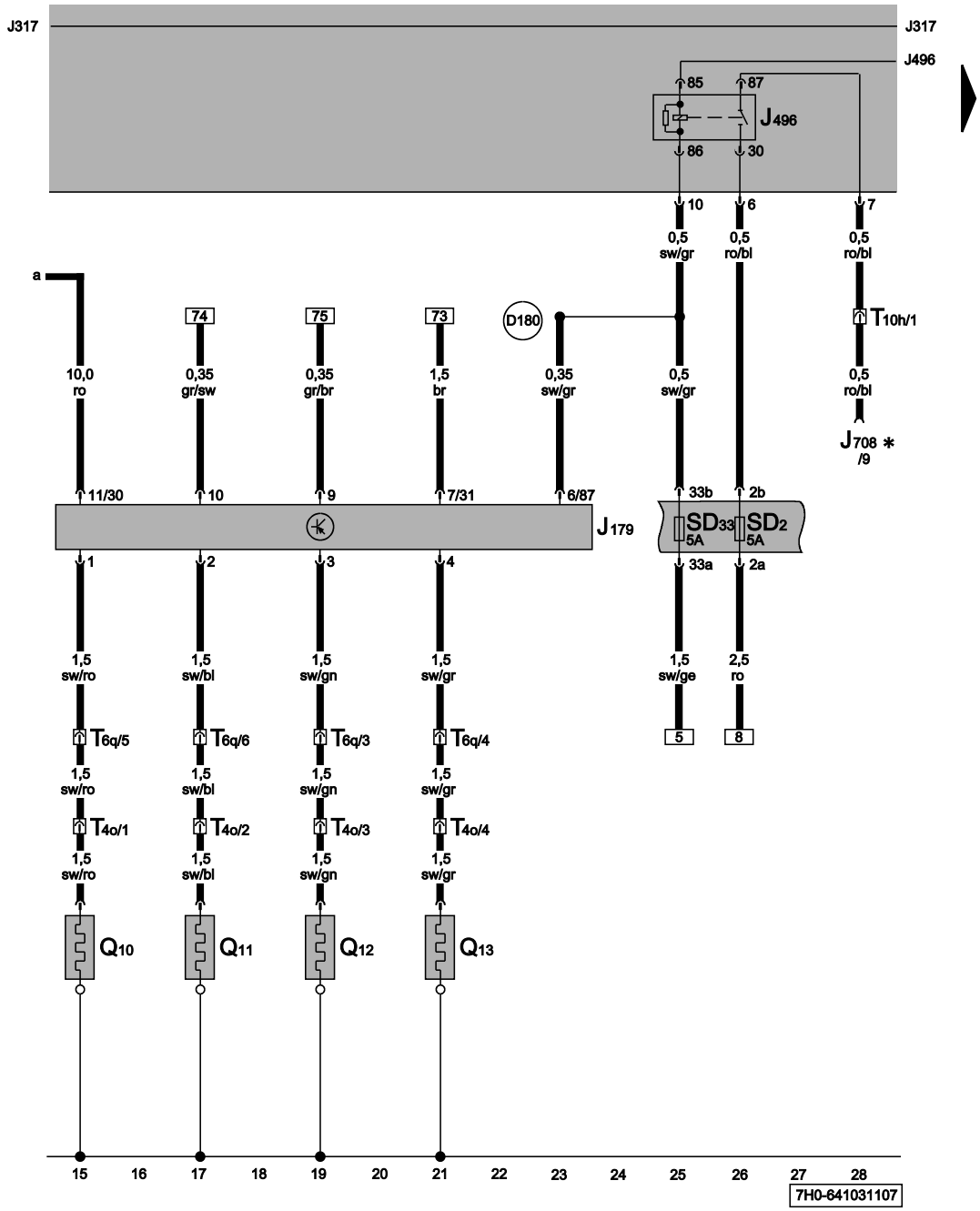


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Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
SB23	Fuse 23 on fuse holder B
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	⇒ electric interface Current Flow Diagram
***	for models without air conditioning system only
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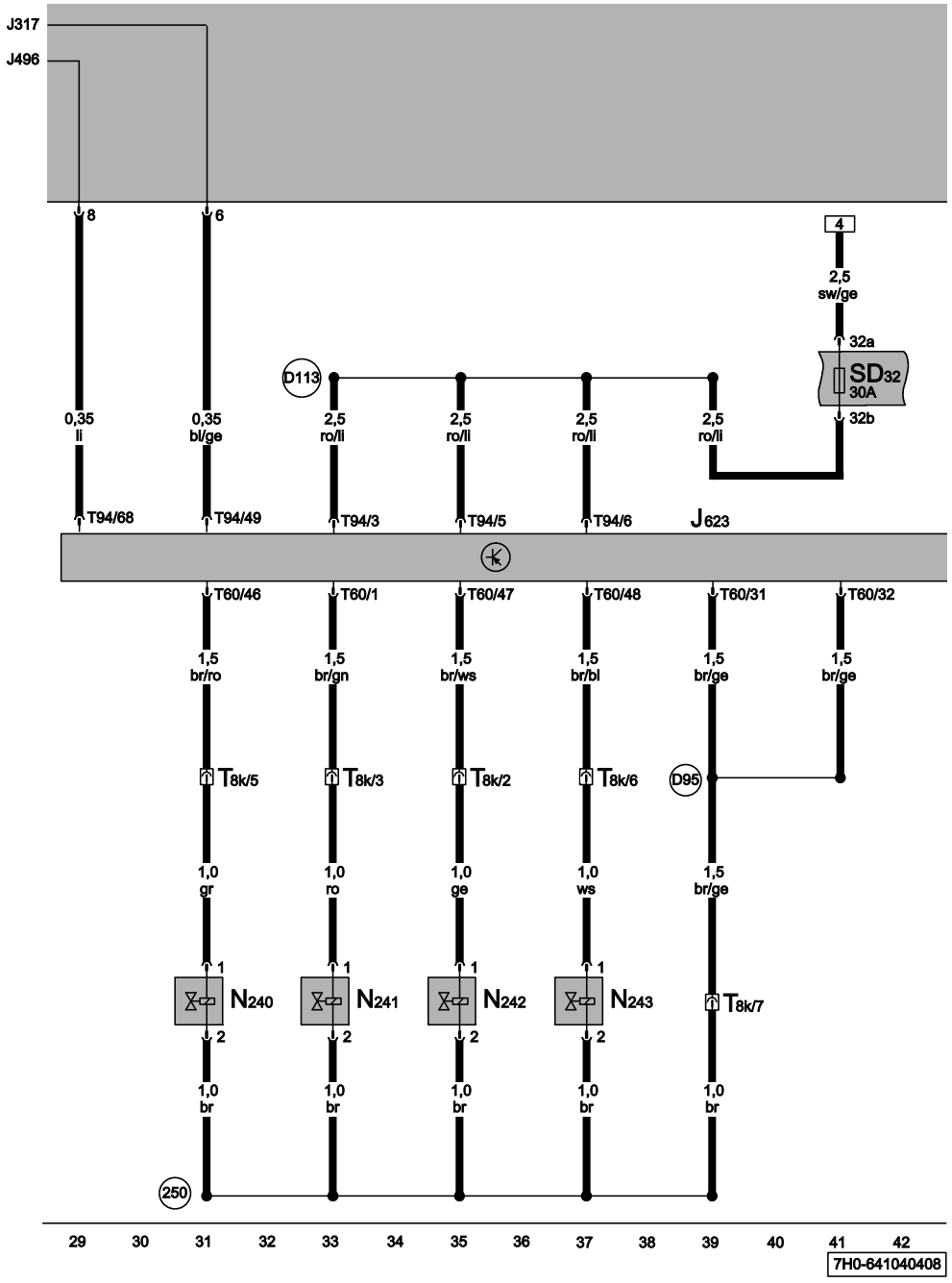
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li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



Automatic glow period control unit, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

J179	Automatic glow period control unit
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T4o	4-pin connector, black, glow plug terminal link
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D180	Connection (87a), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram

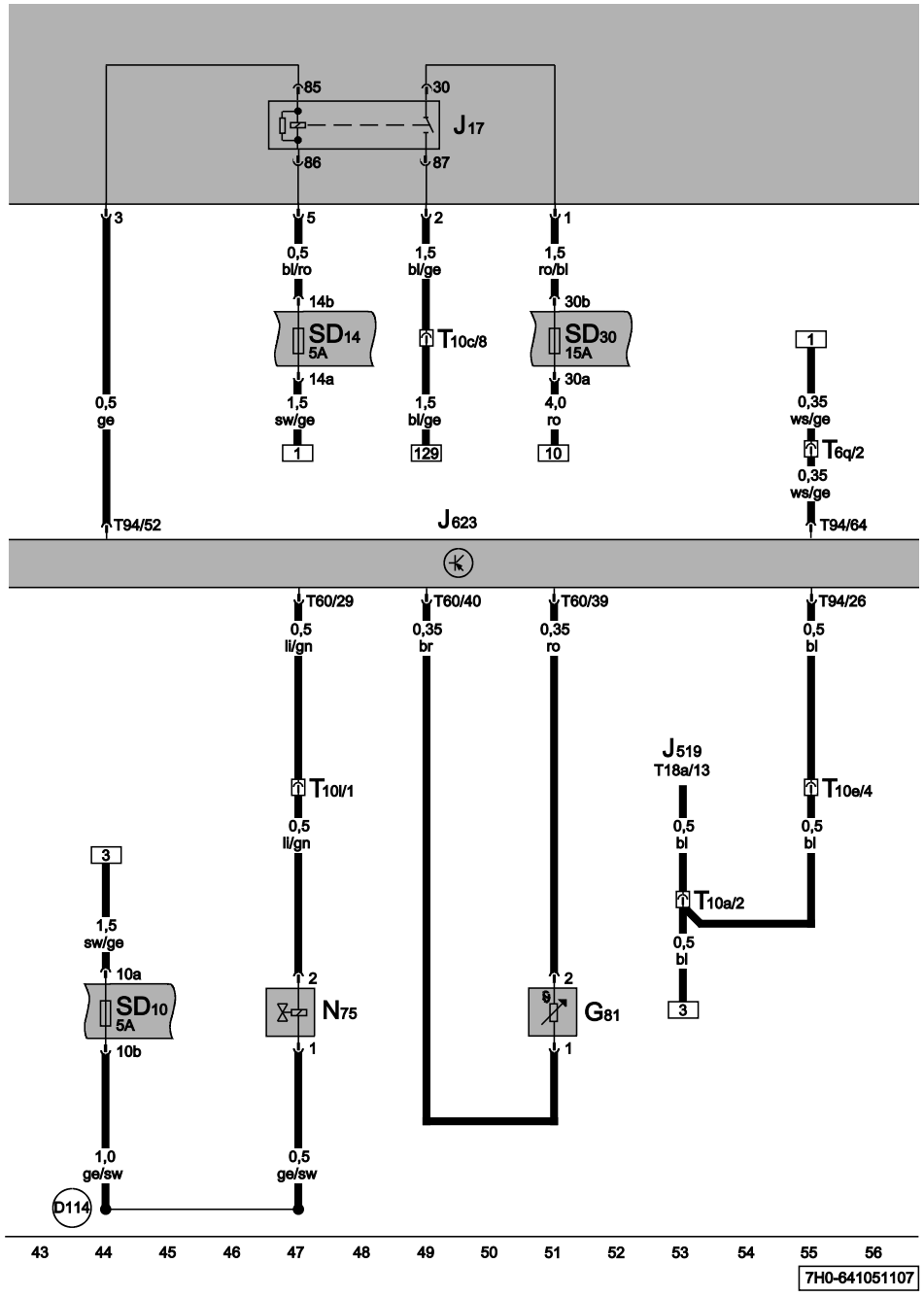
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder D
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
(250)	Earth connection, in diesel engine wiring harness
(D95)	Connection (injectors), in engine compartment wiring harness
(D113)	Connection 11, in engine compartment wiring harness

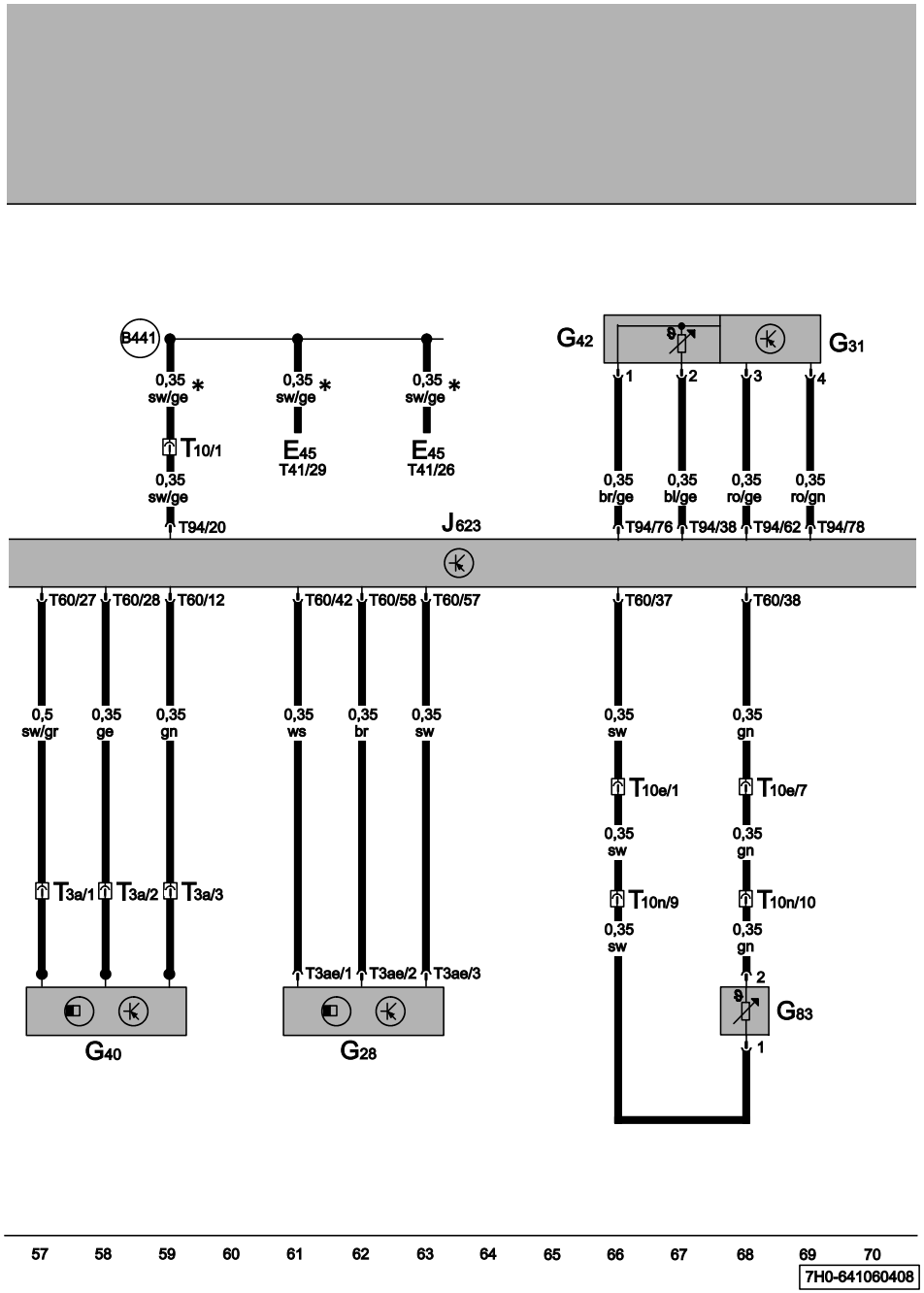
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel temperature sender, fuel pump relay, charge pressure control solenoid valve

G81	Fuel temperature sender
J17	Fuel pump relay
J519	Onboard supply control unit
J623	Engine control unit
N75	Charge pressure control solenoid valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness

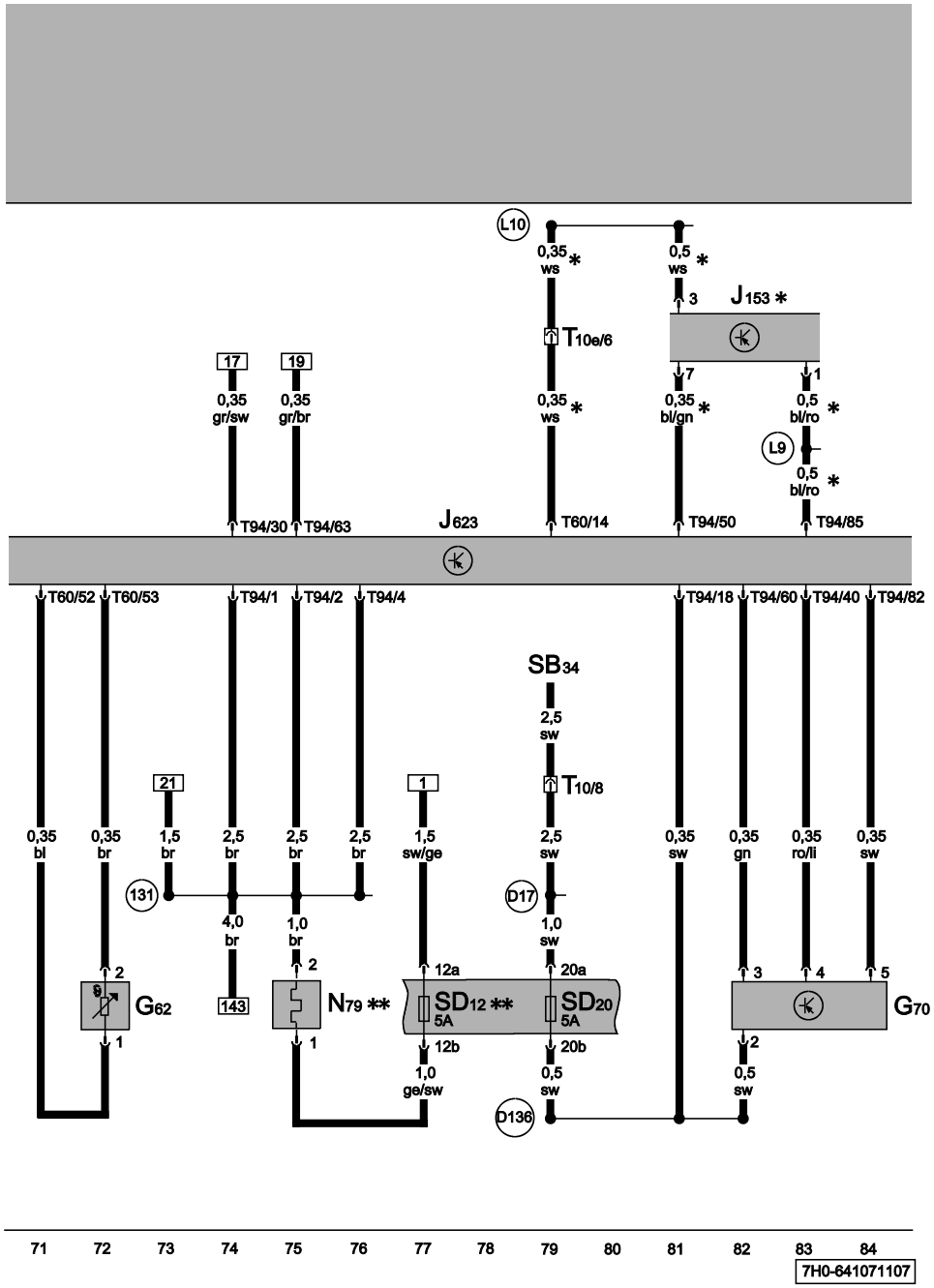
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

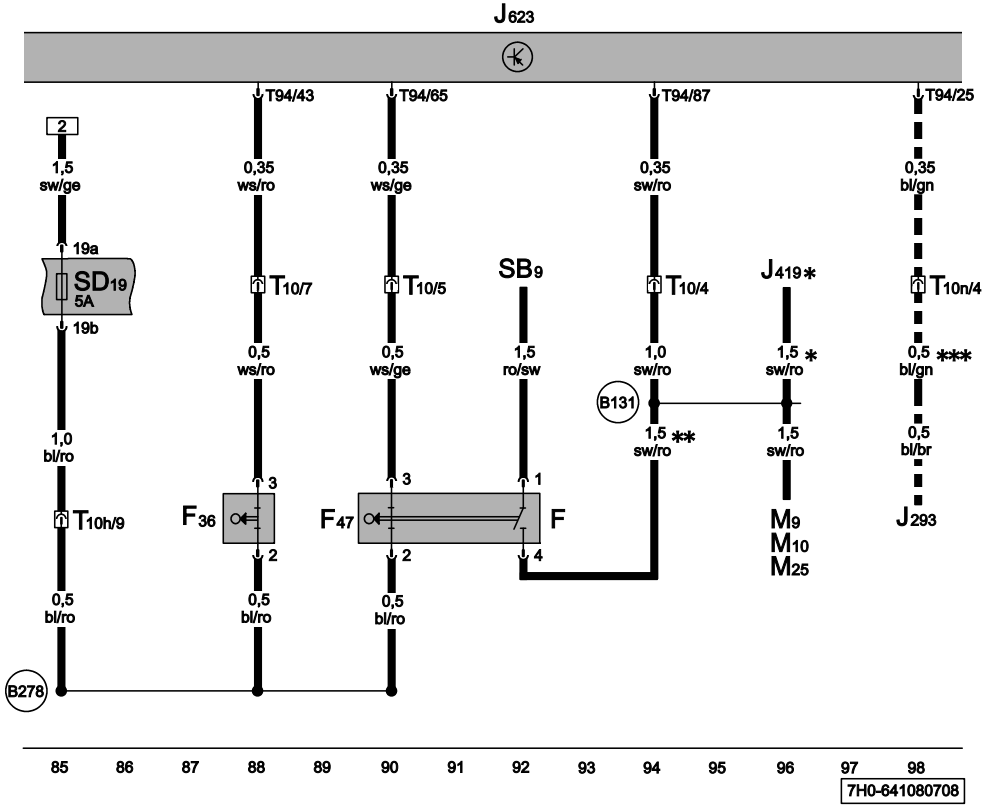
E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3ae	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
*	for models with cruise control system only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather, magnetic clutch control unit

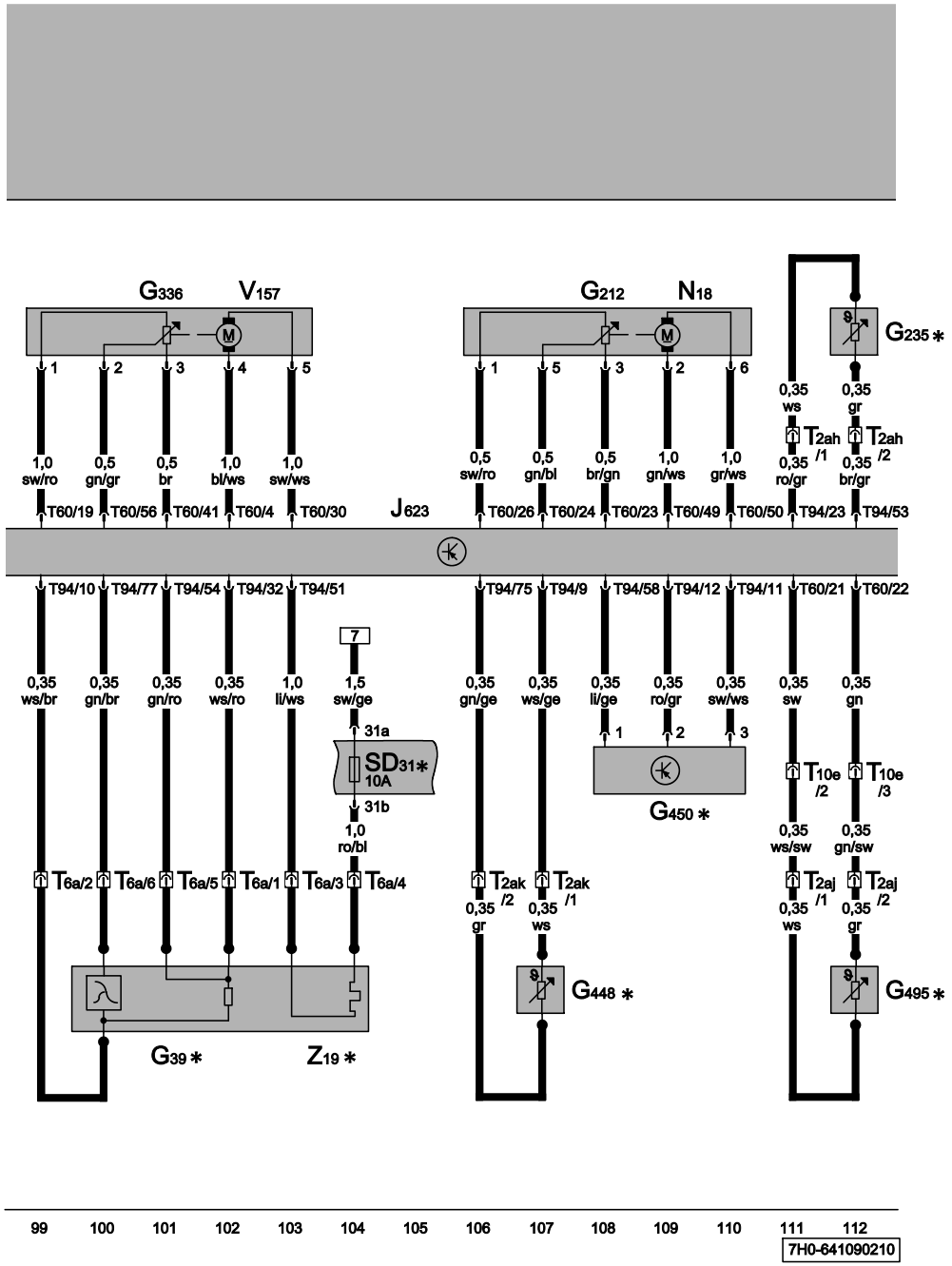
G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	for models with heater element for crankcase breather only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

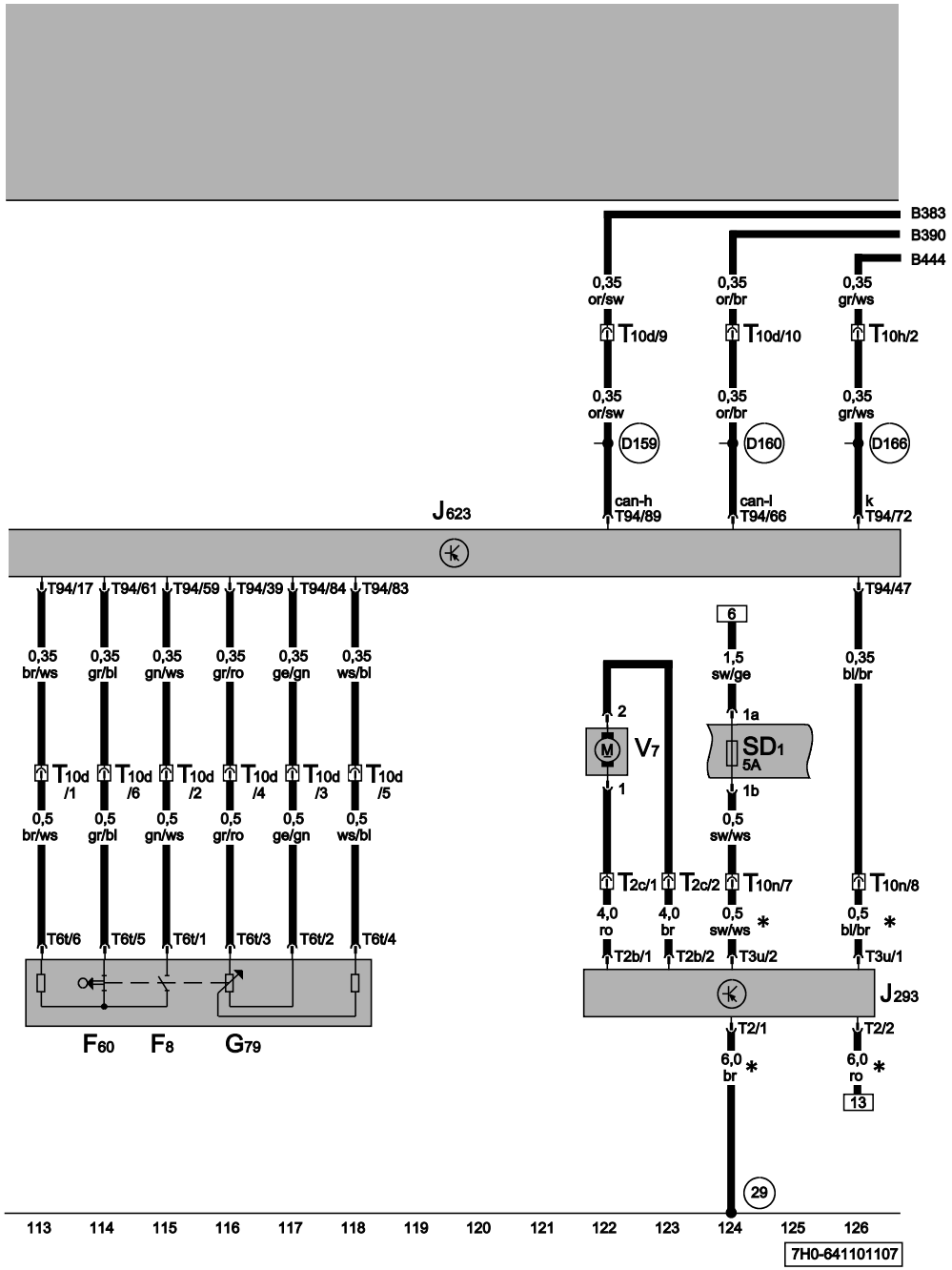
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	applicable from June 2008
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Engine control unit, lambda probe, exhaust gas temperature sender, exhaust gas pressure sensor 1, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, intake manifold flap potentiometer, intake manifold flap motor

G39	Lambda probe
G212	Exhaust gas recirculation potentiometer
G235	Exhaust gas temperature sender 1
G336	Intake manifold flap potentiometer
G448	Exhaust gas temperature sender 2
G450	Exhaust gas pressure sensor 1
G495	Exhaust gas temperature sender 3
J623	Engine control unit
N18	Exhaust gas recirculation valve
SD31	Fuse 31 on fuse holder D
T2ah	2-pin connector, black, centre in engine compartment
T2aj	2-pin connector, orange, centre in engine compartment
T2ak	2-pin connector, brown, centre in engine compartment
T6a	6-pin connector, black, centre in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
V157	Intake manifold flap motor
Z19	Lambda probe heater
*	for models with particulate filter only

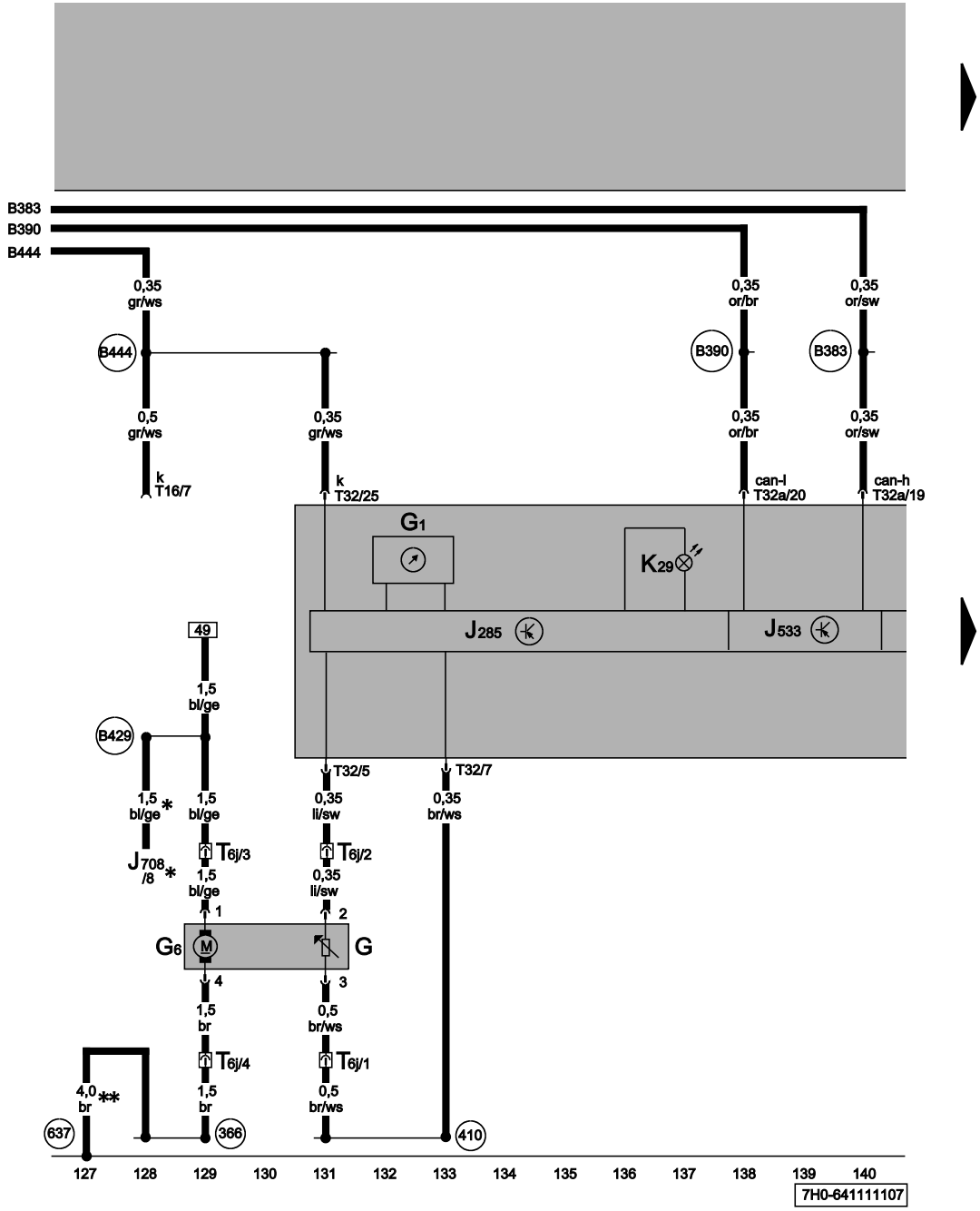
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



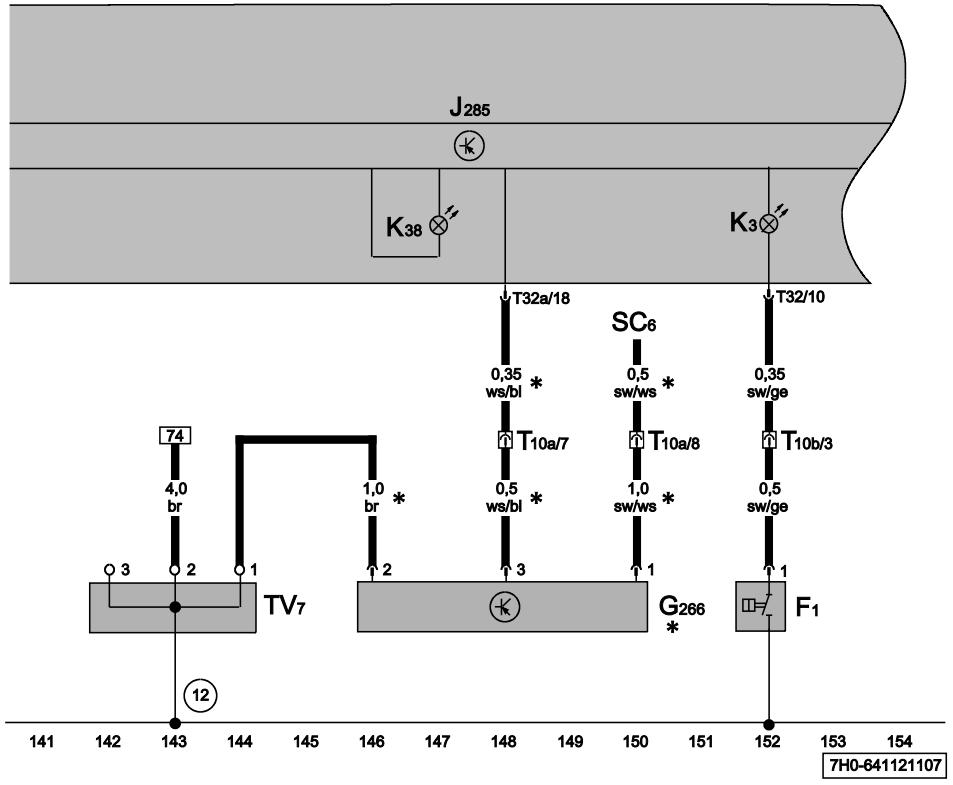
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li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, fuel gauge sender, fuel system pressurisation pump, warning lamp

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
*	for models with extended servicing intervals only



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gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink

1.9 l/77 kW - Turbodiesel engine, engine code AXB

from November 2007

1.9 l/63 kW - Turbodiesel engine, engine code AXC

from November 2007

Notes:

For information concerning

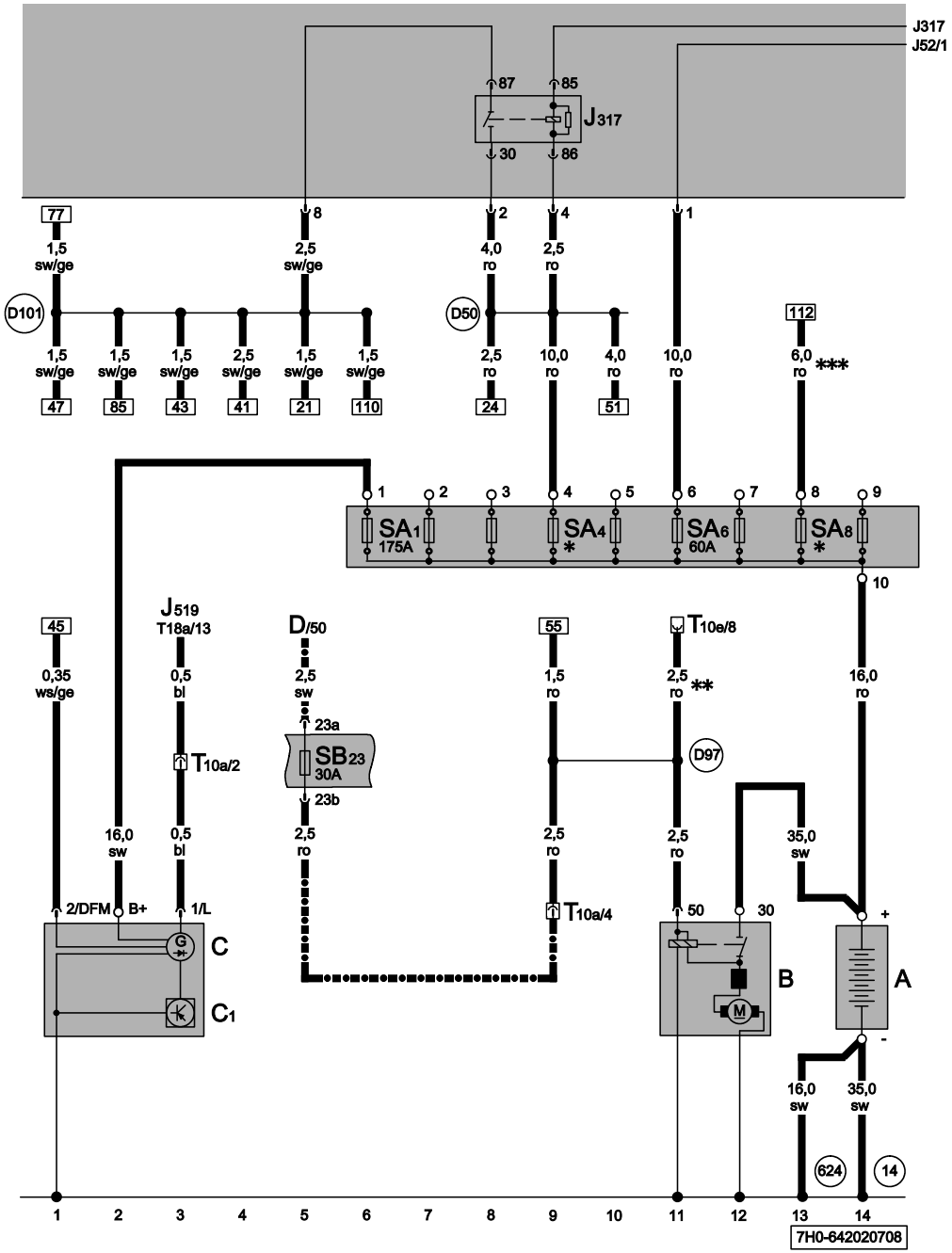
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

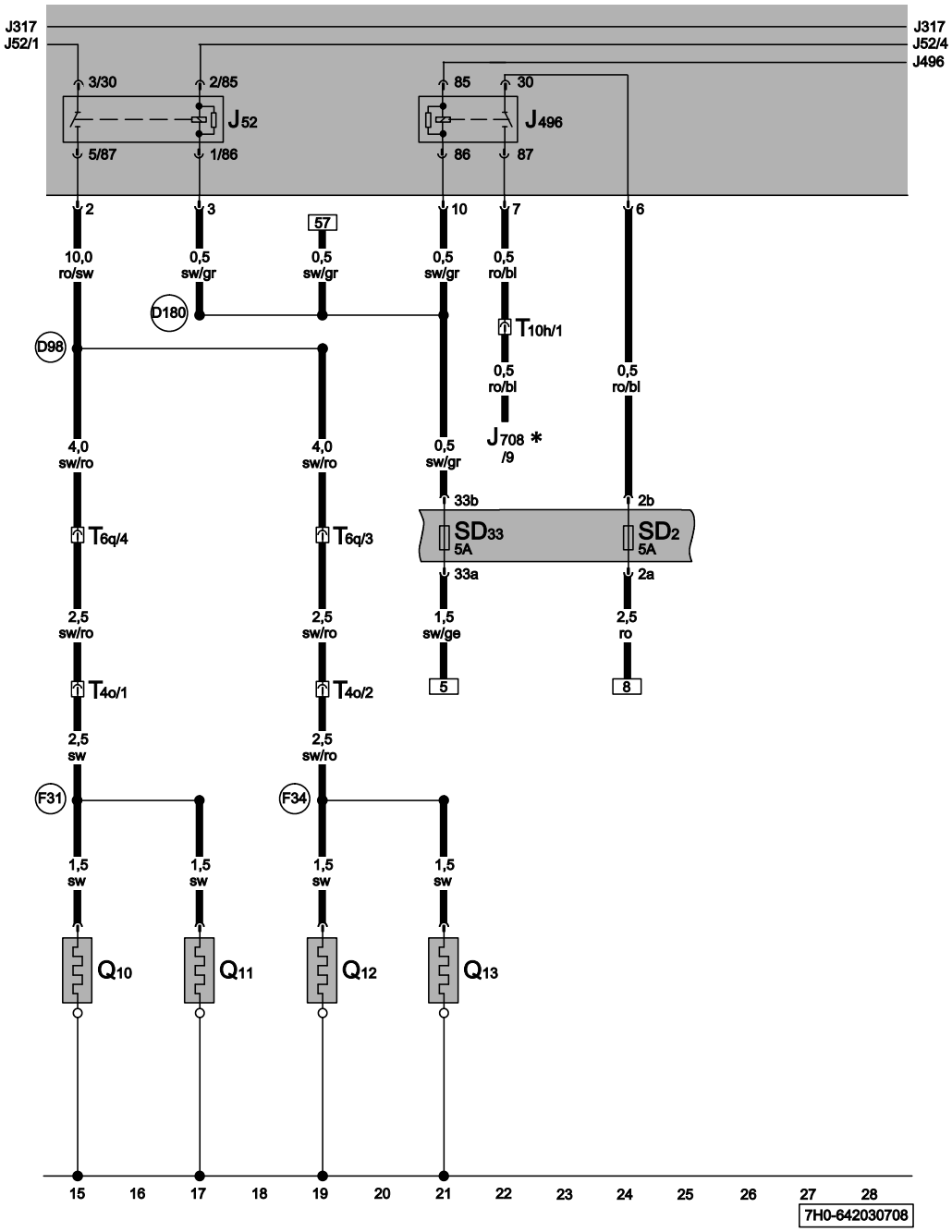


ws = white

Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
D	Ignition/starter switch
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
SB23	Fuse 23 on fuse holder B
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	⇒ electric interface Current Flow Diagram
***	for models without air conditioning system only
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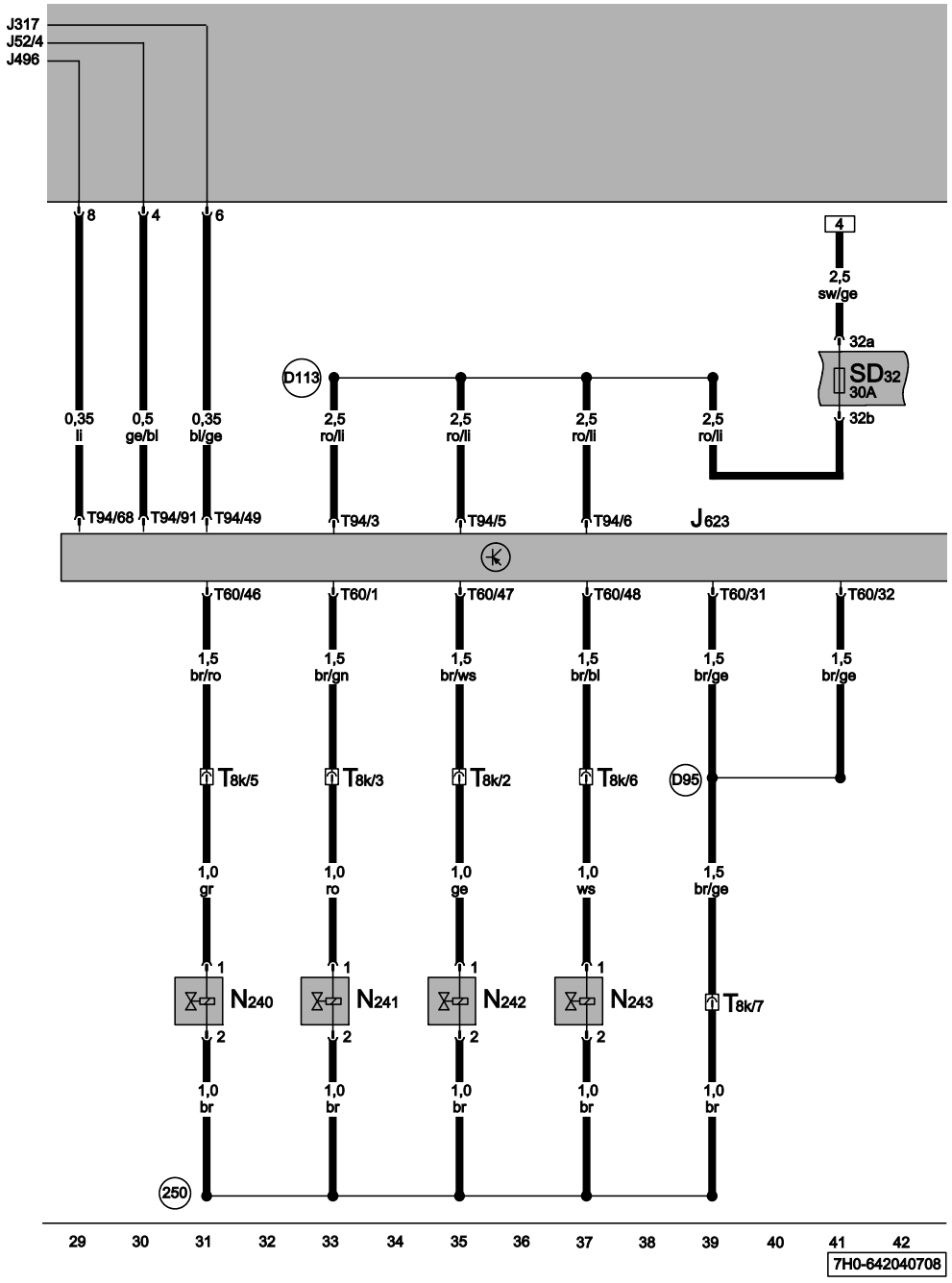
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ge	=	yellow	
or	=	orange	
rs	=	pink	



Glow plug relay, additional coolant pump relay, glow plugs, fuses

J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T4o	4-pin connector, black, glow plug terminal link
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
F31	Connection (engine glow plugs) in diesel direct injection system wiring harness
F34	Connection 2 (engine glow plugs), in diesel direct injection system wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram

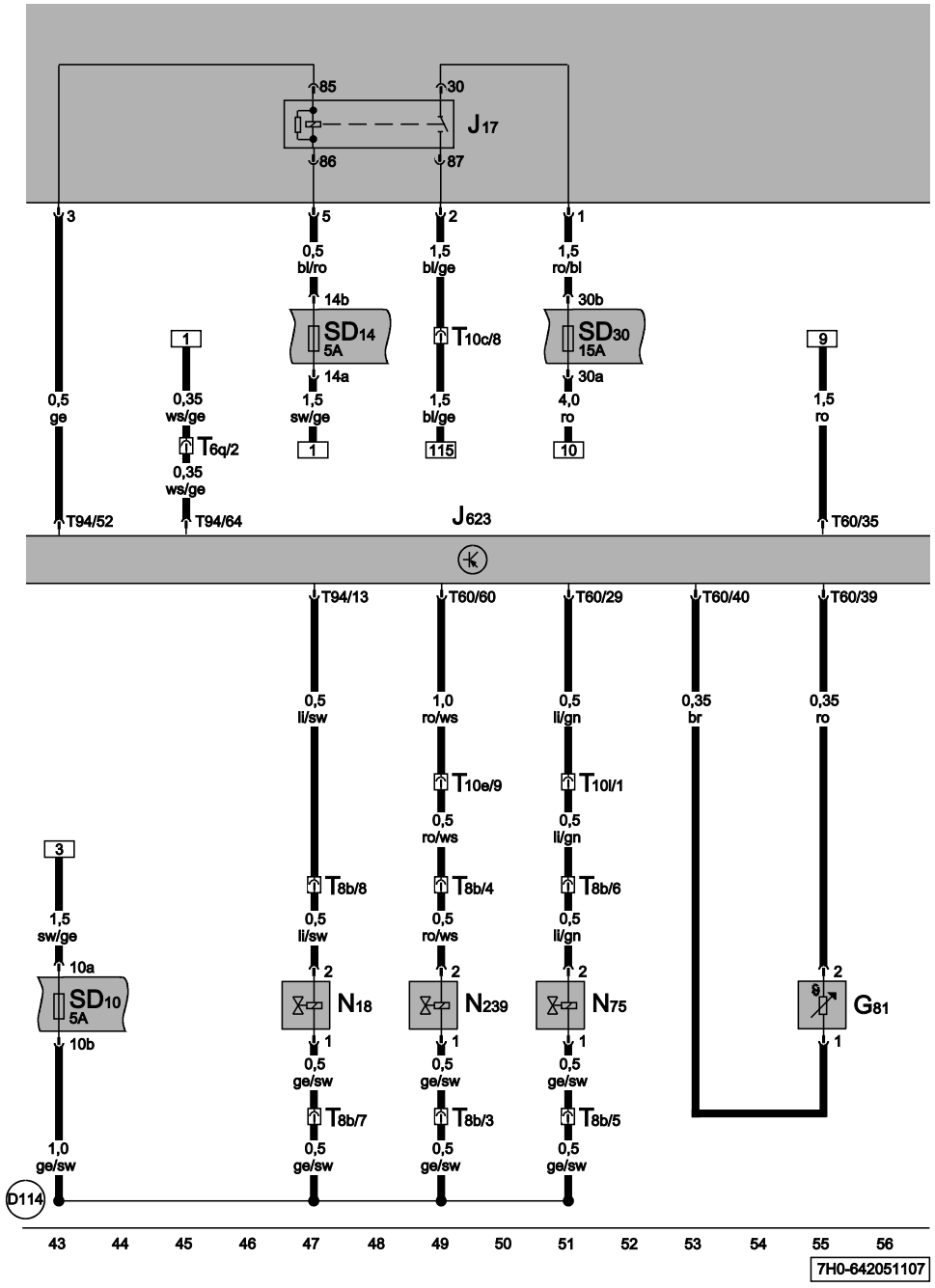
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
SD32	Fuse 32 on fuse holder D
T8k	8-pin connector, black, on left of cylinder head
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

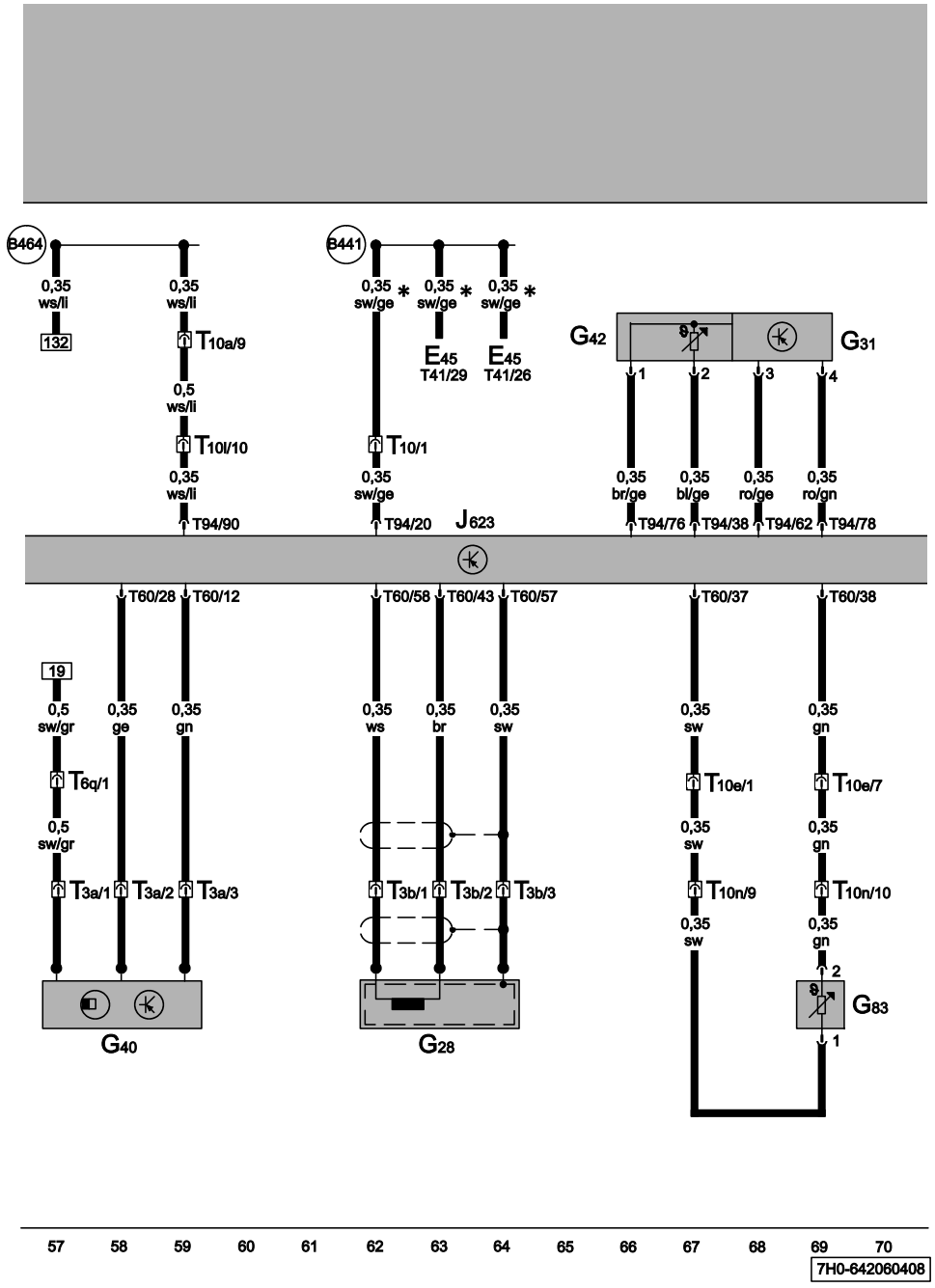
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or	=	orange
rs	=	pink



Engine control unit, fuel pump relay, fuel temperature sender, exhaust gas recirculation valve, charge pressure control solenoid valve, variable intake manifold flap change-over valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T8b	8-connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness

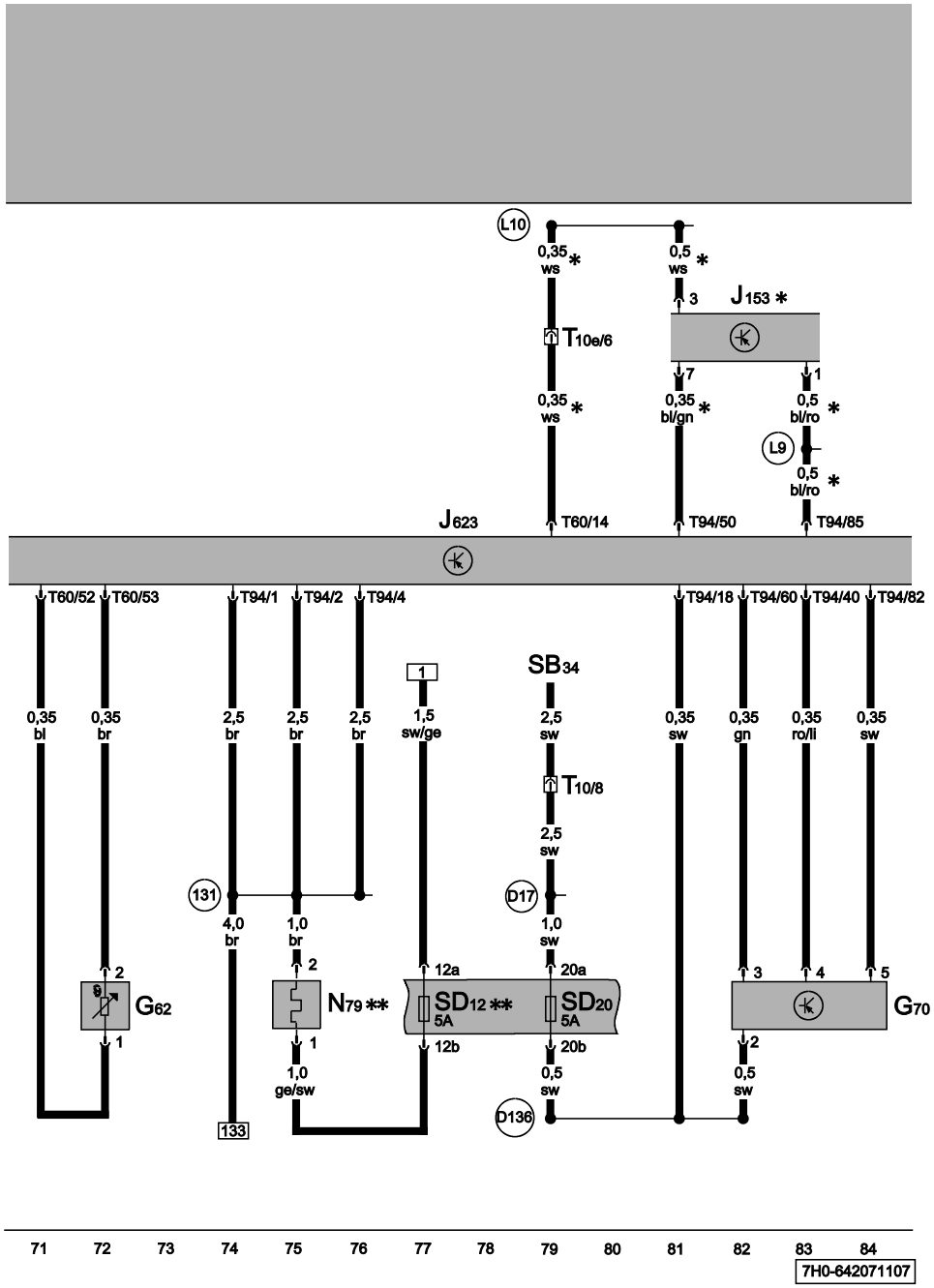
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

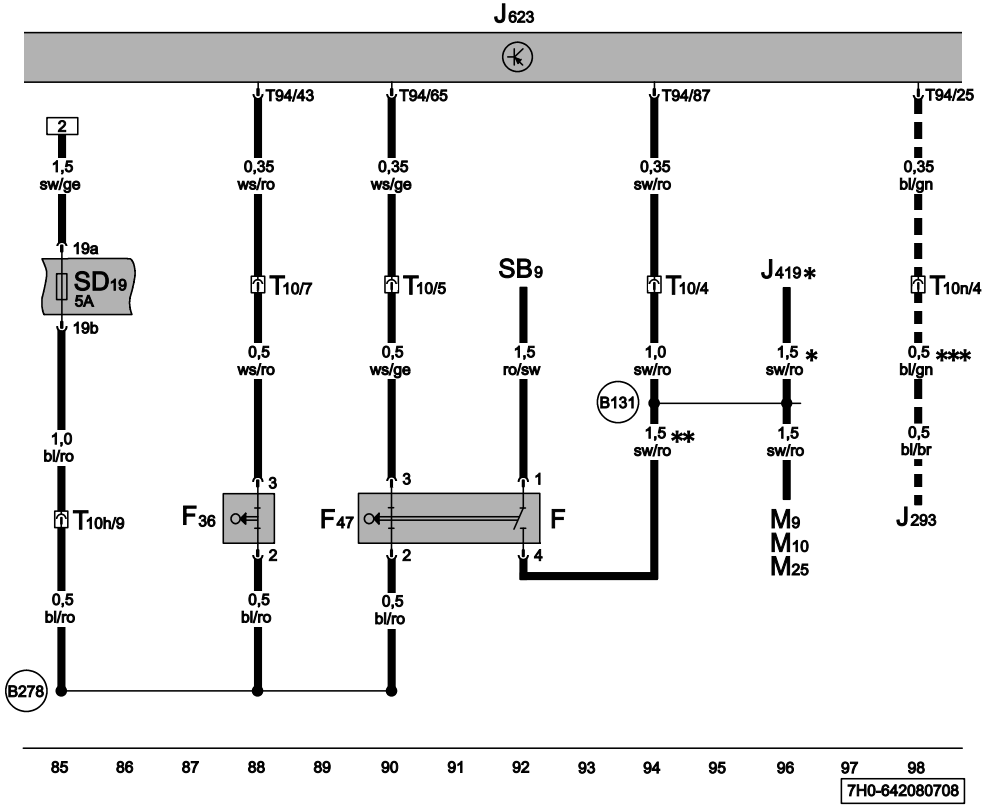
E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, air mass meter, coolant temperature sender, heater element for crankcase breather, magnetic clutch control unit

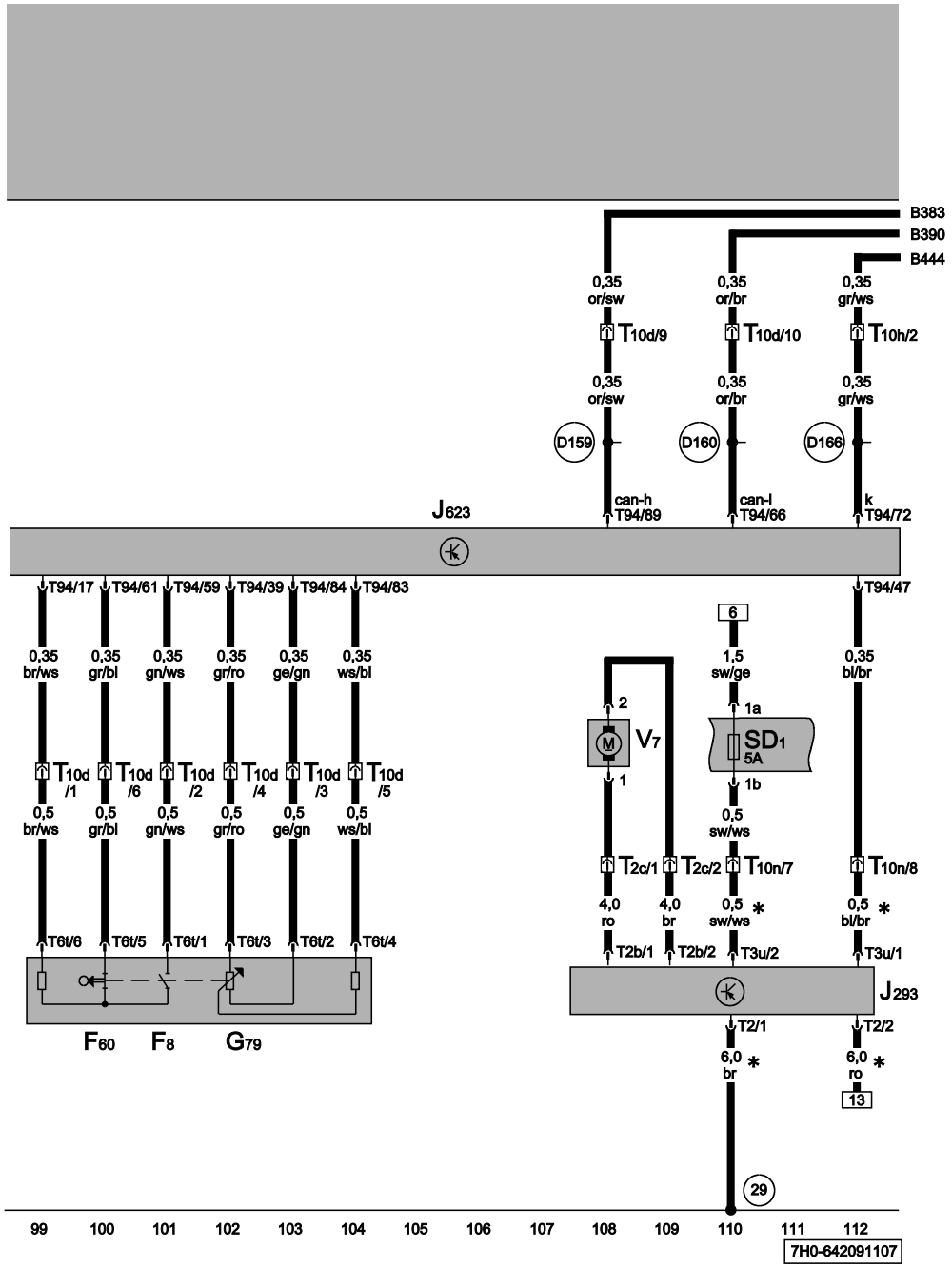
G62	Coolant temperature sender
G70	Air mass meter
J153	Magnetic clutch control unit
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	for models with heater element for crankcase breather only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
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ge = yellow
or = orange
rs = pink

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch

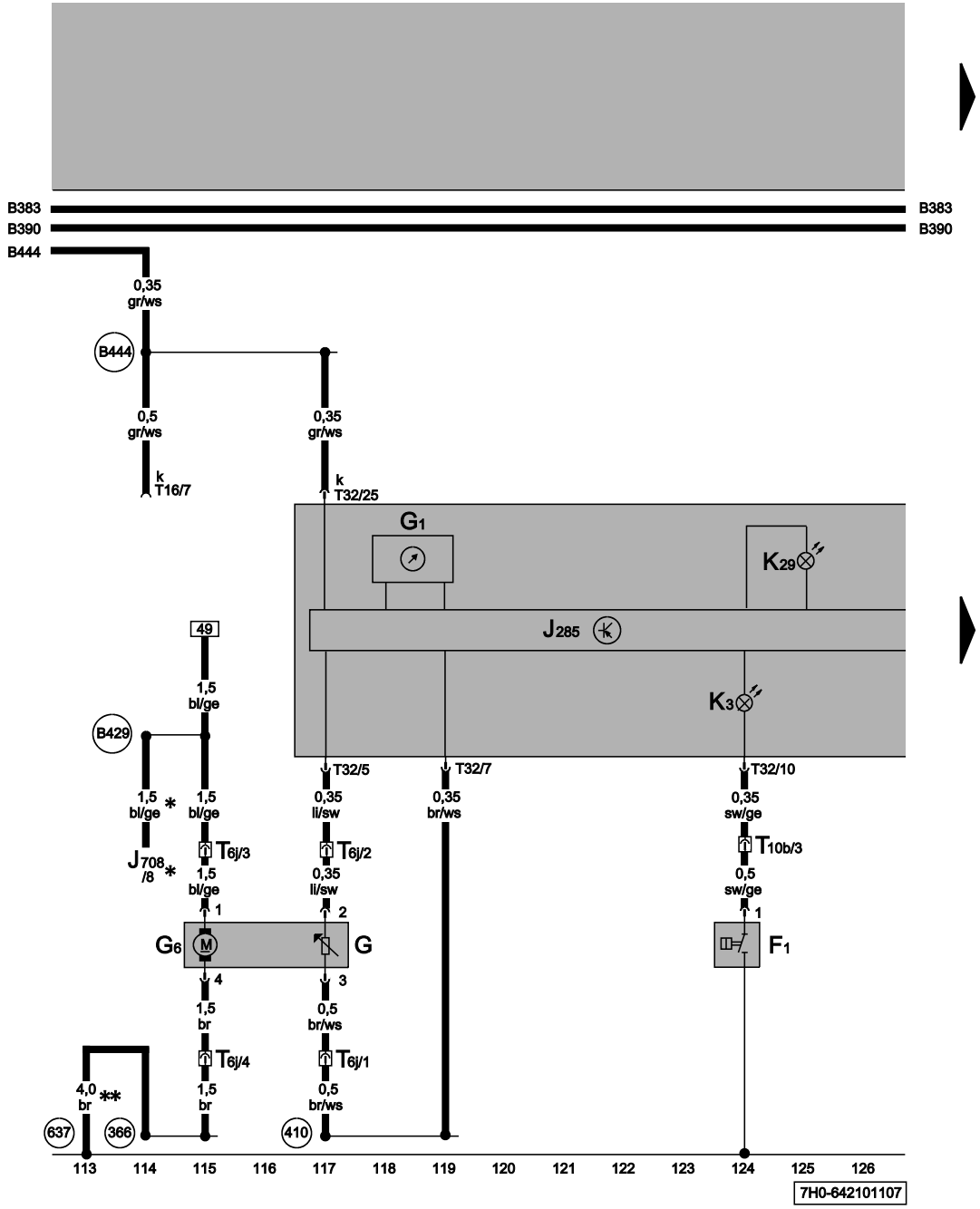
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	applicable from June 2008
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with Climatronic/ air conditioning system only ⇒ Current Flow Diagram for radiator fan



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

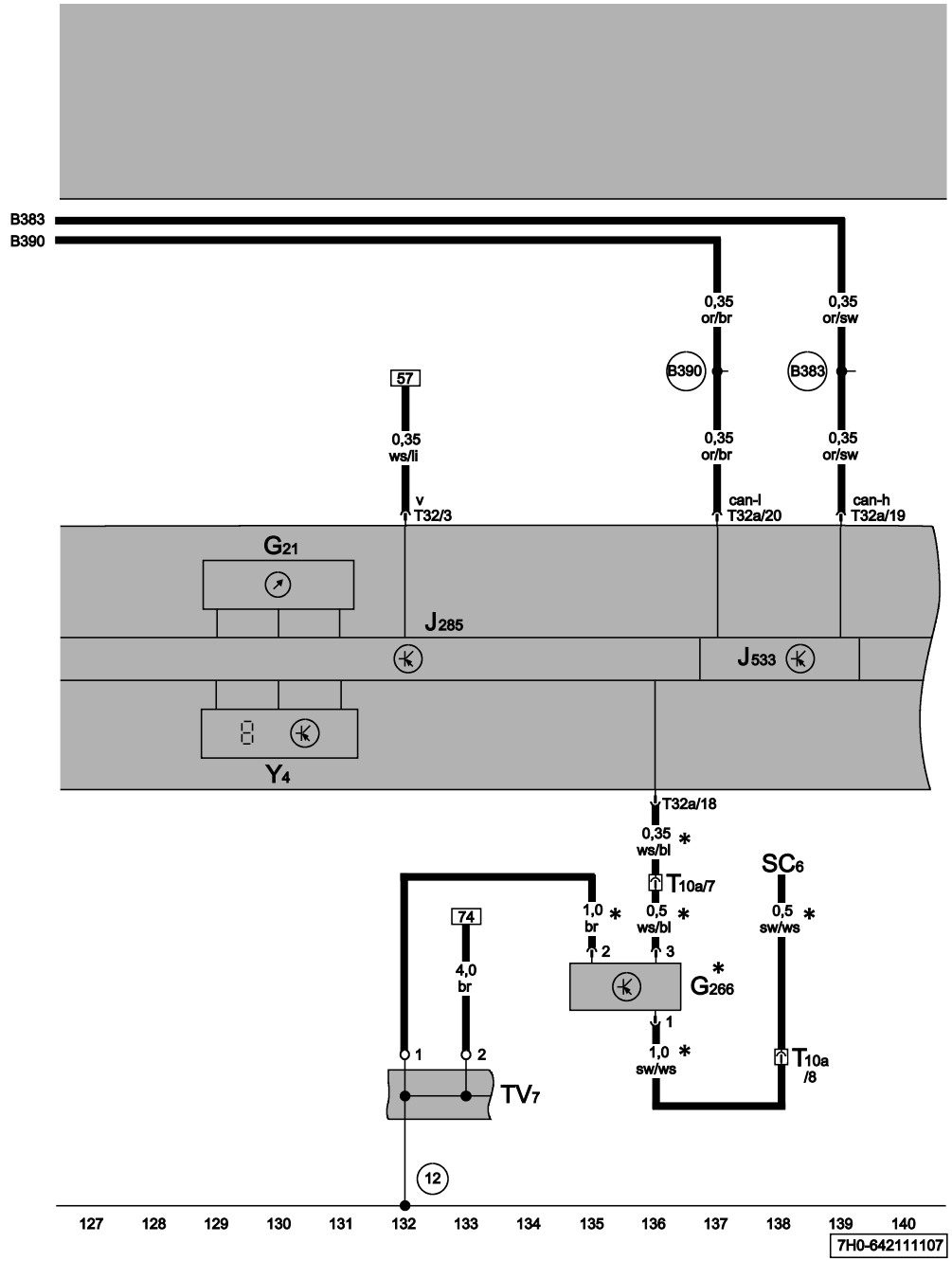
F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



ws = white
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, oil pressure switch, fuel system pressurisation pump, fuel gauge sender, warning lamps

F1	Oil pressure switch
G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J708	Residual heat relay
K3	Oil pressure warning lamp
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, speedometer, data bus diagnostic interface, oil level and oil temperature sender, warning lamps

G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	for models with extended servicing intervals only

2.5 l/96 kW - Turbodiesel engine, engine code AXD
from November 2007

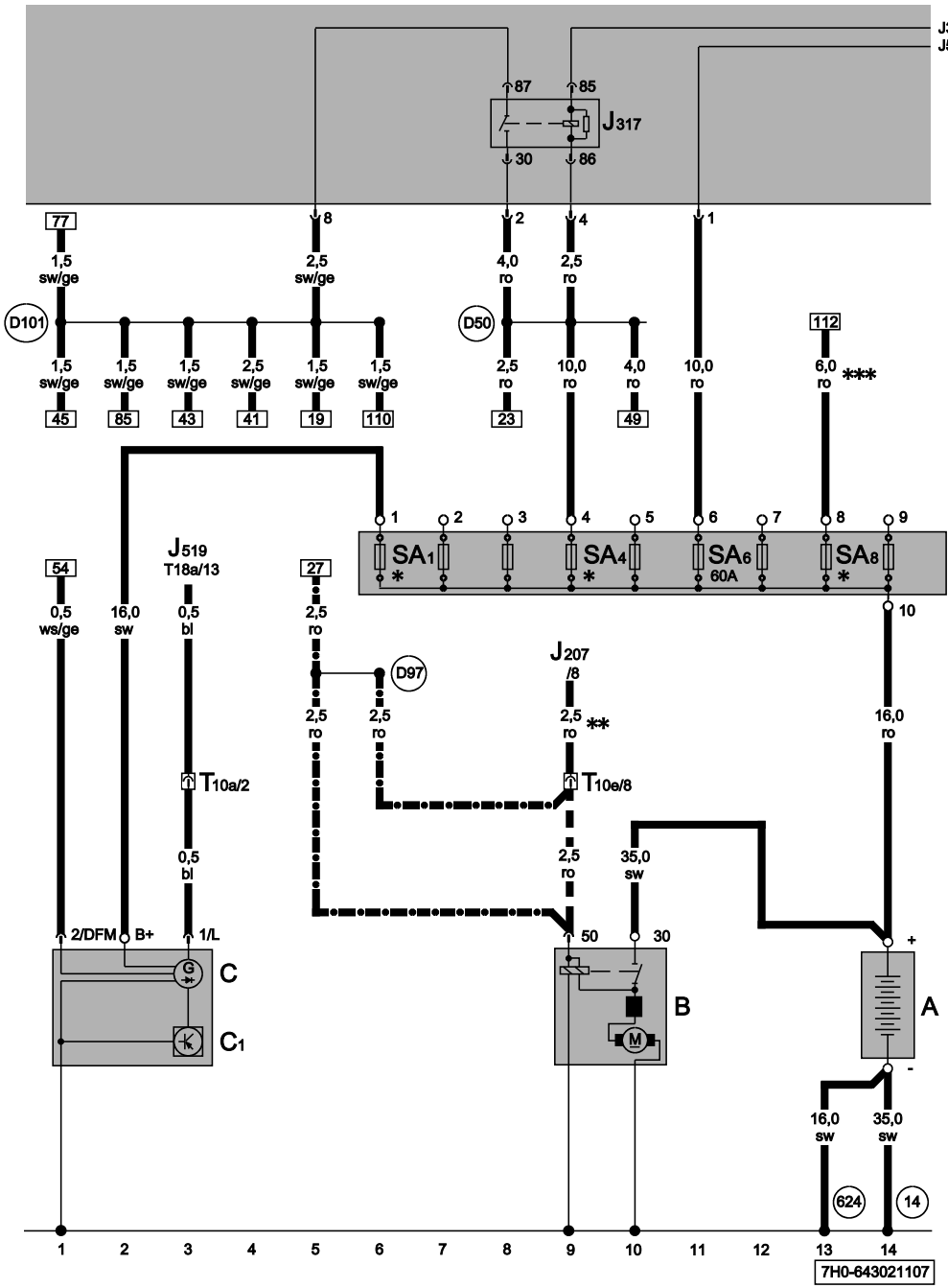
2.5 l/128 kW - Turbodiesel engine, engine code AXE
from November 2007

2.5 l/120 kW - Turbodiesel engine, engine code BLJ
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



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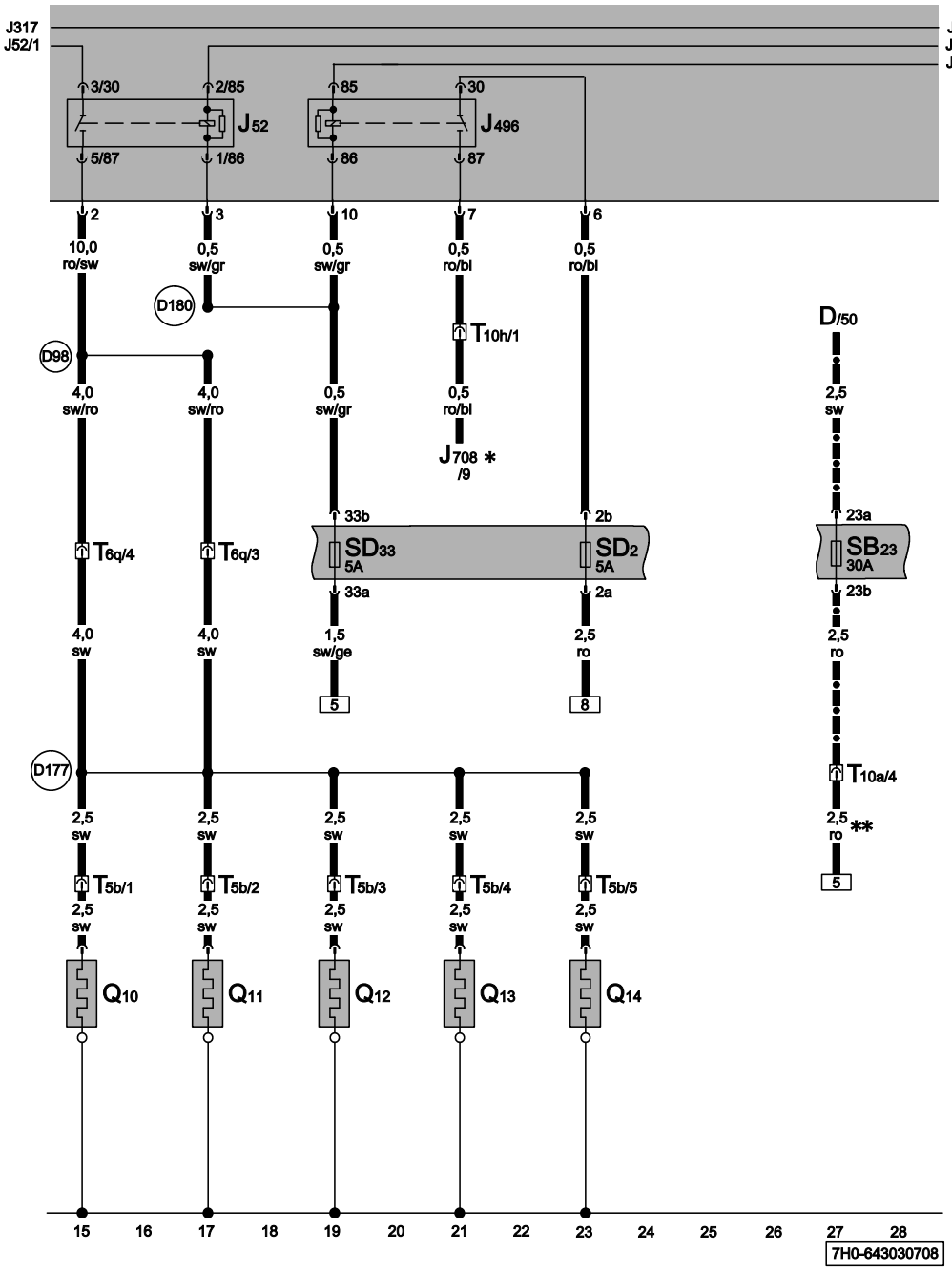
Battery, alternator, starter, fuses, terminal 30 voltage supply relay

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D50	Positive connection (30), in engine compartment wiring harness
D97	Connection (50), in engine compartment right wiring harness
D101	Connection 1, in engine compartment wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
***	for models without air conditioning system only
<fo:exter	for models with manual gearbox only

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ge	=	yellow
or	=	orange
rs	=	pink

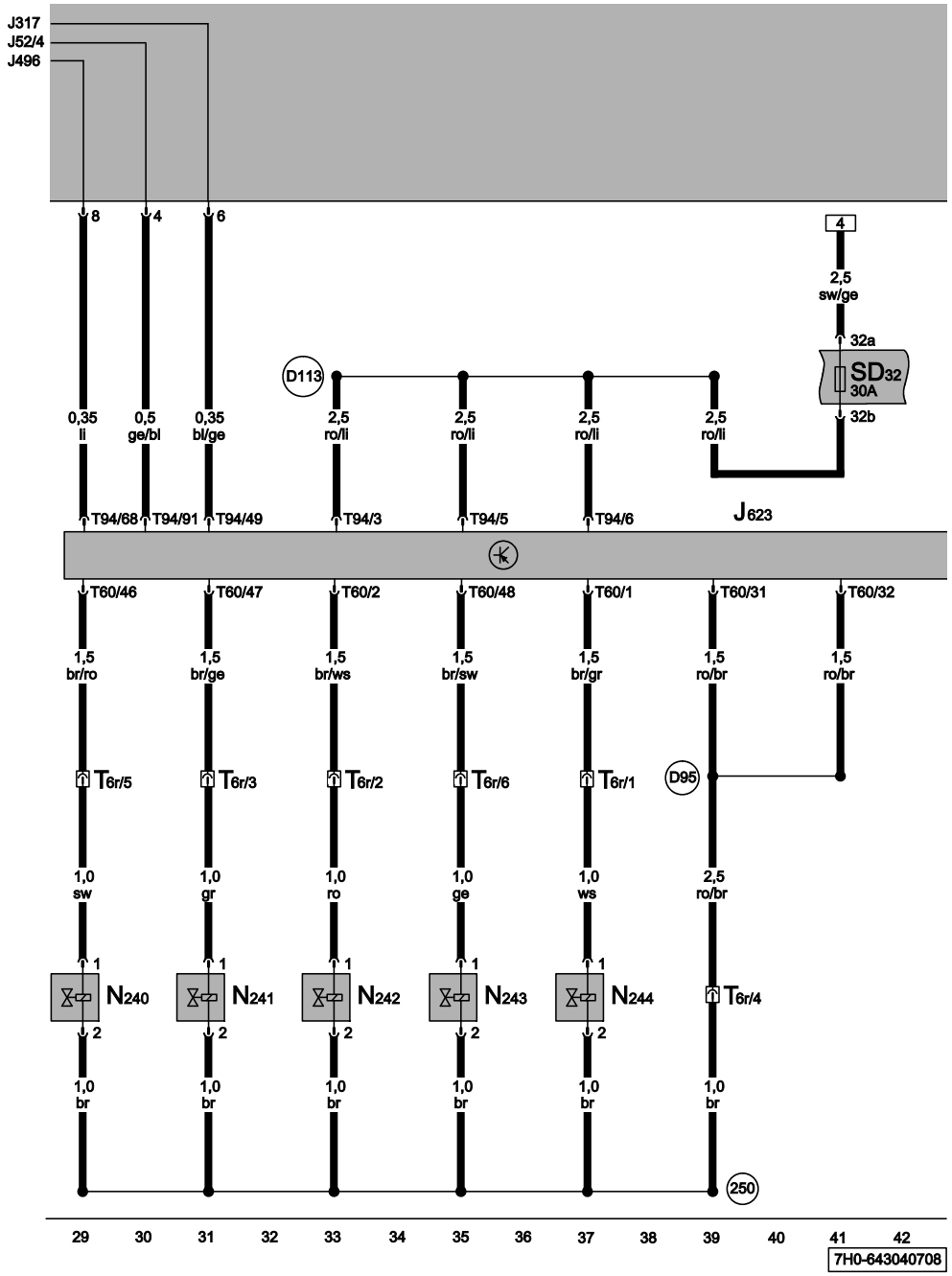
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ws = white
sw = black
ro = red
br = brown
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li = purple
ge = yellow
or = orange
rs = pink

Glow plug relay, additional coolant pump relay, glow plugs, fuses, ignition/starter switch

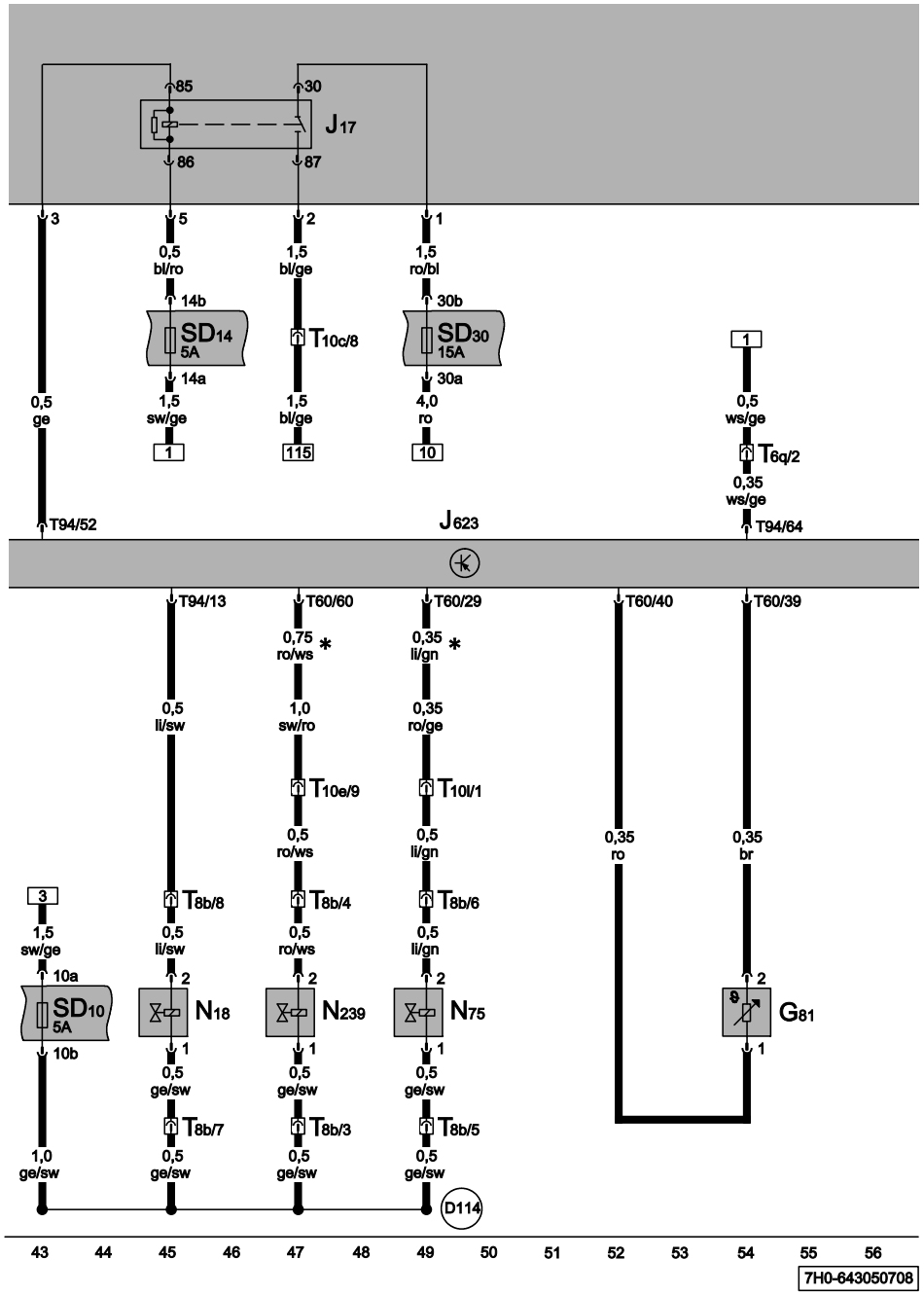
D	Ignition/starter switch
J52	Glow plug relay
J496	Additional coolant pump relay
J708	Residual heat relay
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
Q14	Glow plug 5
SB23	Fuse 23 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5b	5-pin connector, black, on front left cylinder head
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
D98	Connection (glow plugs), in engine compartment wiring harness
D177	Connection 2 (glow plugs), in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram
**	for models with manual gearbox only
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Engine control unit, unit injector valves

J623	Engine control unit
N240	Unit injector valve, No. 1 cyl.
N241	Unit injector valve, No. 2 cyl.
N242	Unit injector valve, No. 3 cyl.
N243	Unit injector valve, No. 4 cyl.
N244	Unit injector valve, No. 5 cyl.
SD32	Fuse 32 on fuse holder D
T6r	6-pin connector, in engine compartment
T60	60-pin connector
T94	94-pin connector
250	Earth connection, in diesel engine wiring harness
D95	Connection (injectors), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

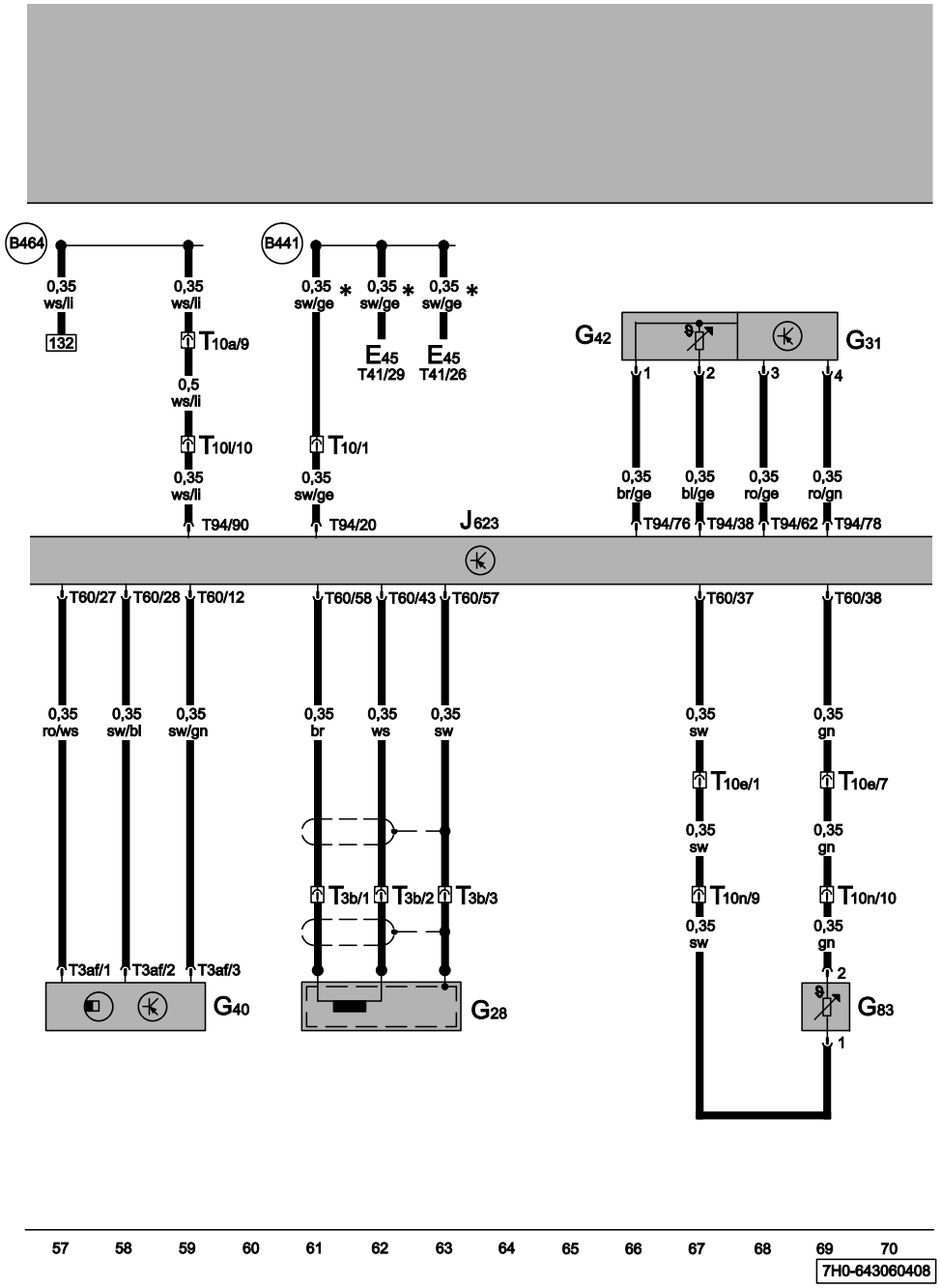
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Engine control unit, fuel temperature sender, fuel pump relay, exhaust gas recirculation valve, charge pressure control solenoid valve, variable intake manifold flap change-over valve

G81	Fuel temperature sender
J17	Fuel pump relay
J623	Engine control unit
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N239	Variable intake manifold flap change-over valve
SD10	Fuse 10 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD30	Fuse 30 on fuse holder D
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T8b	8-connector, black, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
D114	Connection 12, in engine compartment wiring harness
*	applicable from June 2008

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rs	=	pink



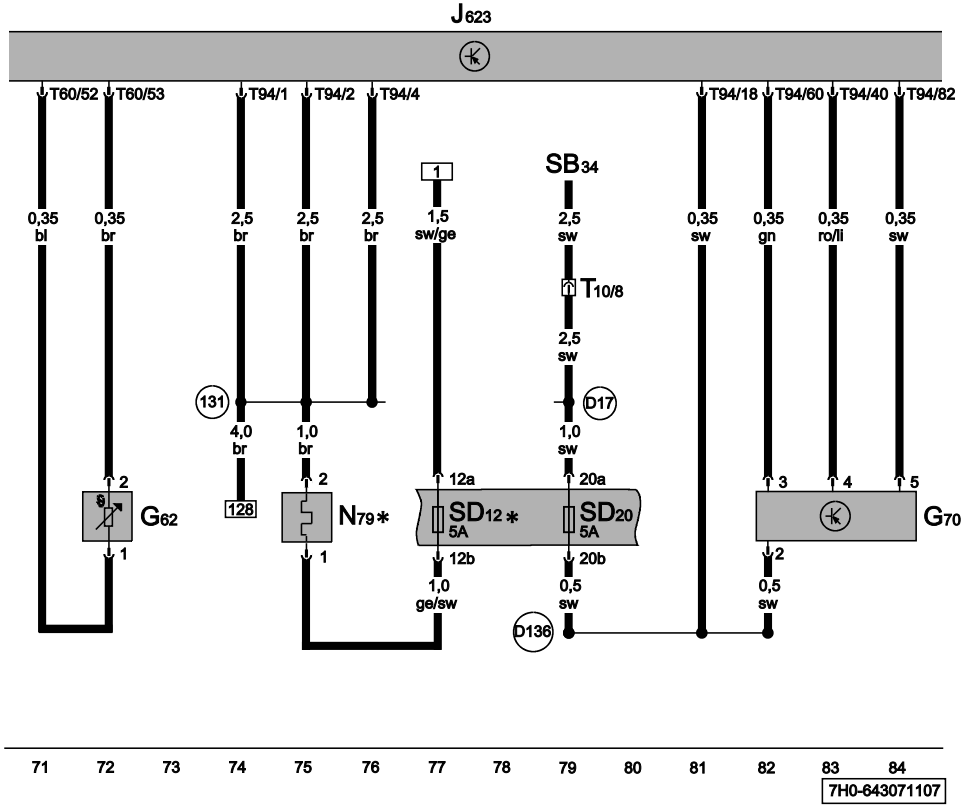
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, engine speed sender, charge air pressure sender, Hall sender, intake air temperature sender, coolant temperature sender

E45	Cruise control system switch
G28	Engine speed sender
G31	Charge air pressure sender
G40	Hall sender
G42	Intake air temperature sender
G83	Radiator outlet coolant temperature sender
J623	Engine control unit
T3b	3-pin connector, grey, on front of engine
T3af	3-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T60	60-pin connector
T94	94-pin connector
B441	Connection (CCS), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with cruise control system only

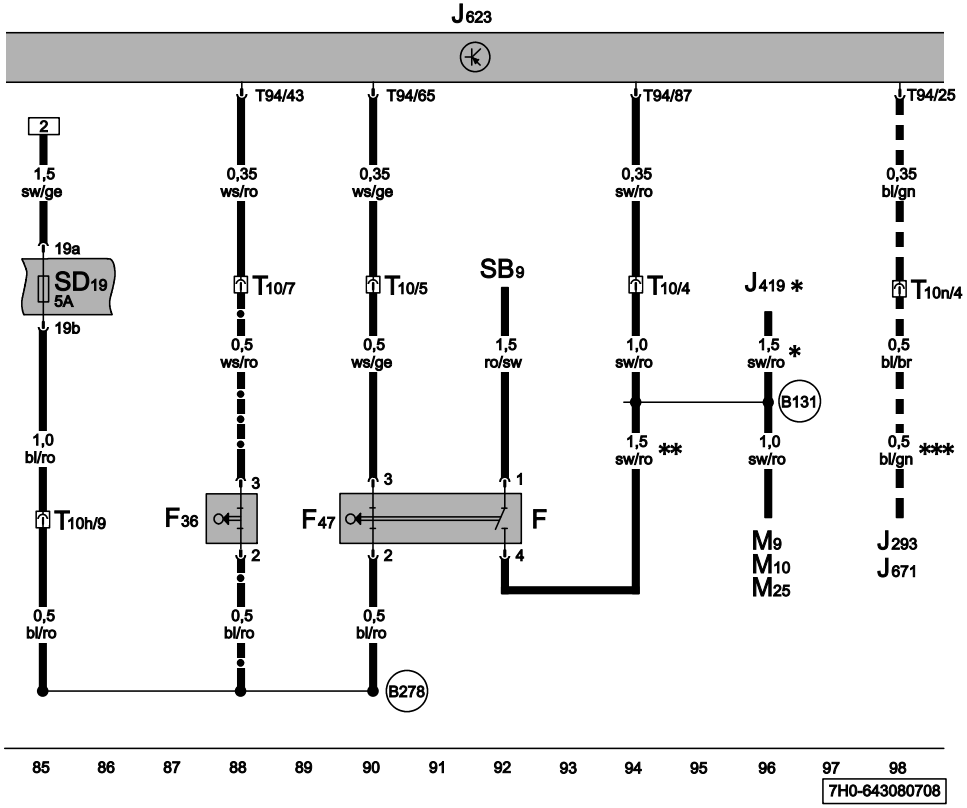
Engine control unit, coolant temperature sender, air mass meter, heater element for crankcase breather

G62	Coolant temperature sender
G70	Air mass meter
J623	Engine control unit
N79	Heater element for crankcase breather
SB34	Fuse 34 on fuse holder B
SD12	Fuse 12 on fuse holder D
SD20	Fuse 20 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
131	Earth connection 2, in engine compartment wiring harness
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with heater element for crankcase breather only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





ws = white

Engine control unit, brake pedal switch, brake light switch, clutch pedal switch, brake light bulbs

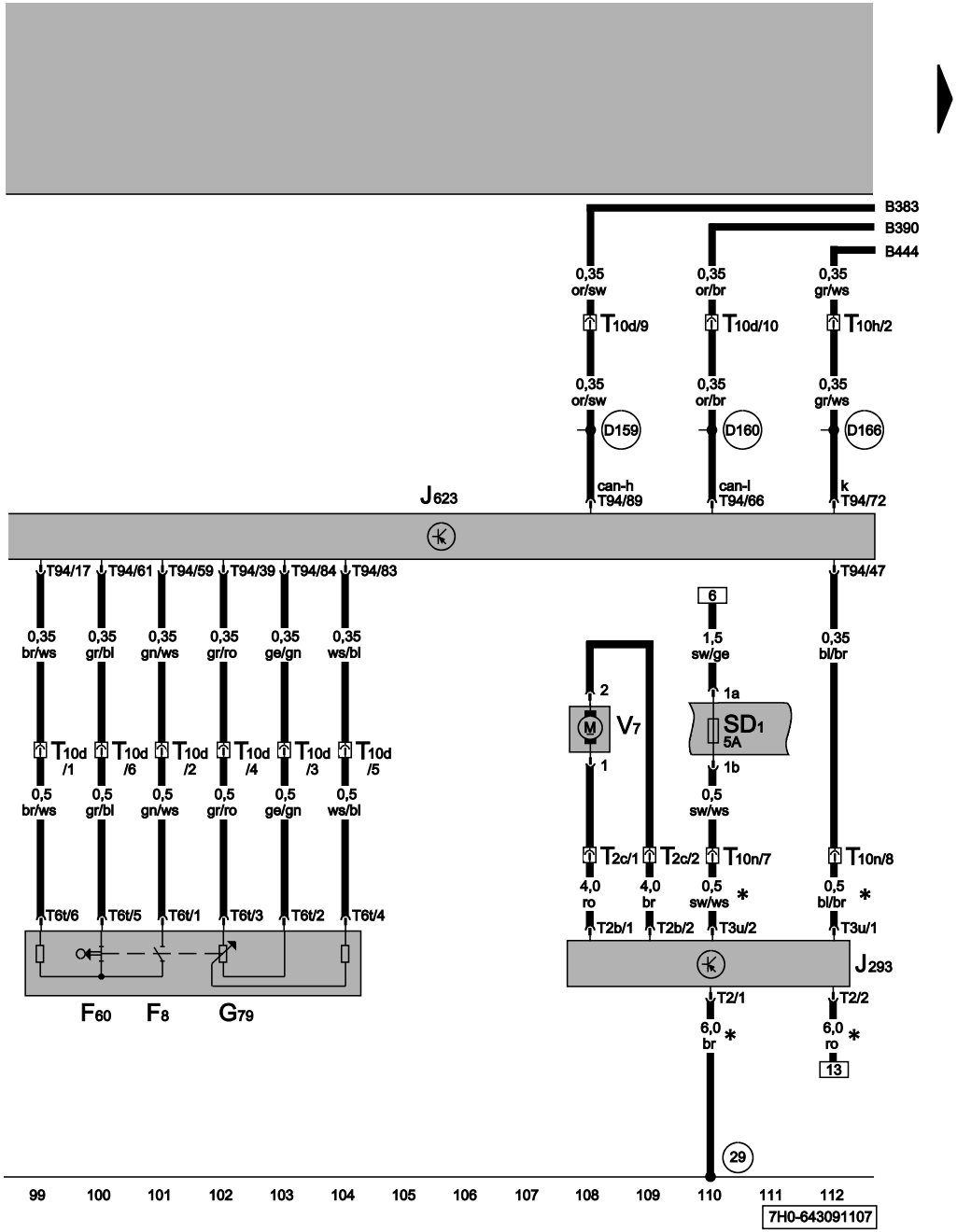
F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J293	Radiator fan control unit
J419	Brake light additional relay
J623	Engine control unit
J671	Radiator fan control unit 2
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SD19	Fuse 19 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
***	applicable from June 2008

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for models with Climatronic/ air conditioning system only ⇒ Current Flow Diagram for radiator fan

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for models with manual gearbox only

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bl	=	blue
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rs	=	pink

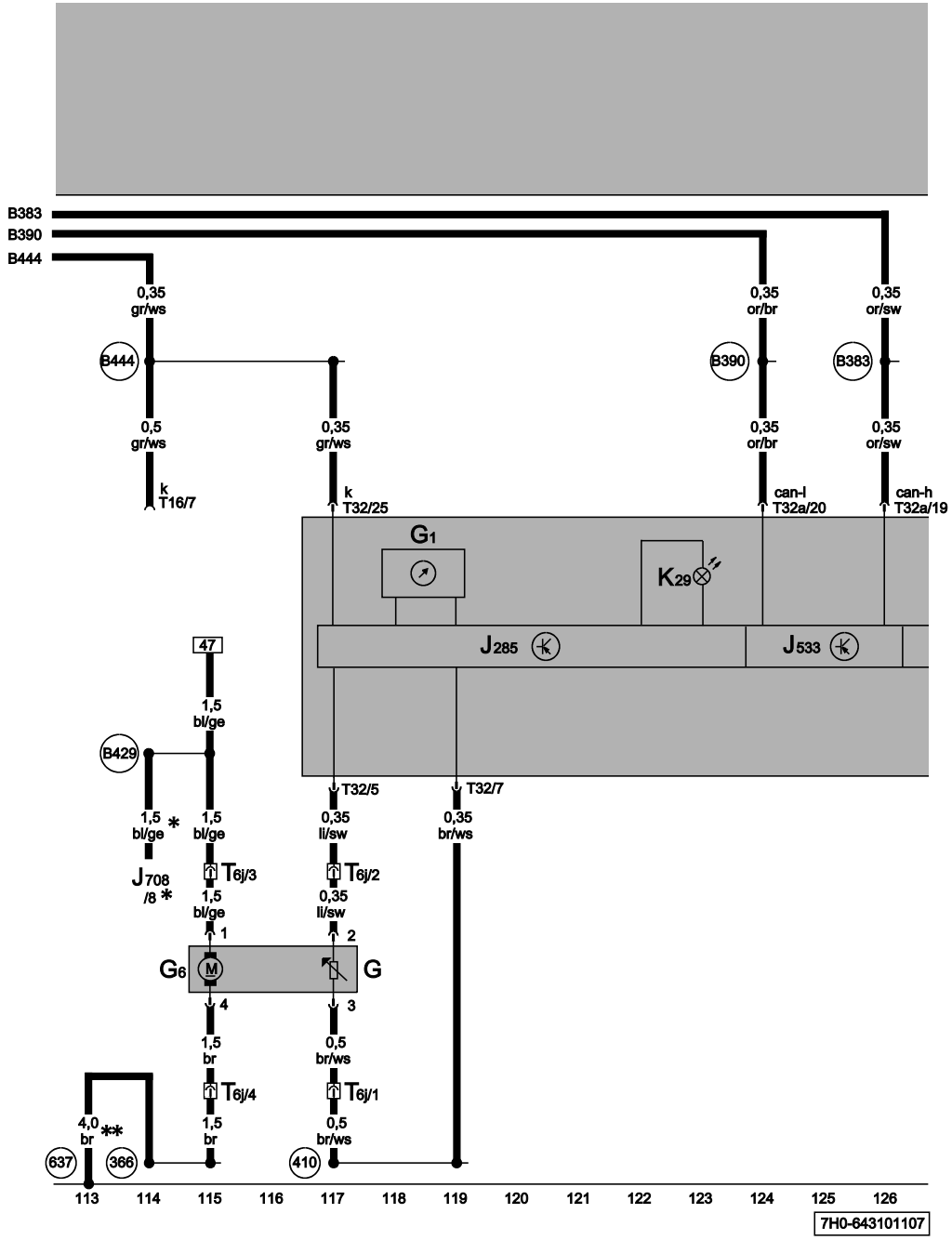
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator fan control unit, radiator fan, accelerator position sender, idling speed switch, kick-down switch

F8	Kick-down switch
F60	Idling speed switch
G79	Accelerator position sender
J293	Radiator fan control unit
J623	Engine control unit
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T6t	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T94	94-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models without air conditioning system only



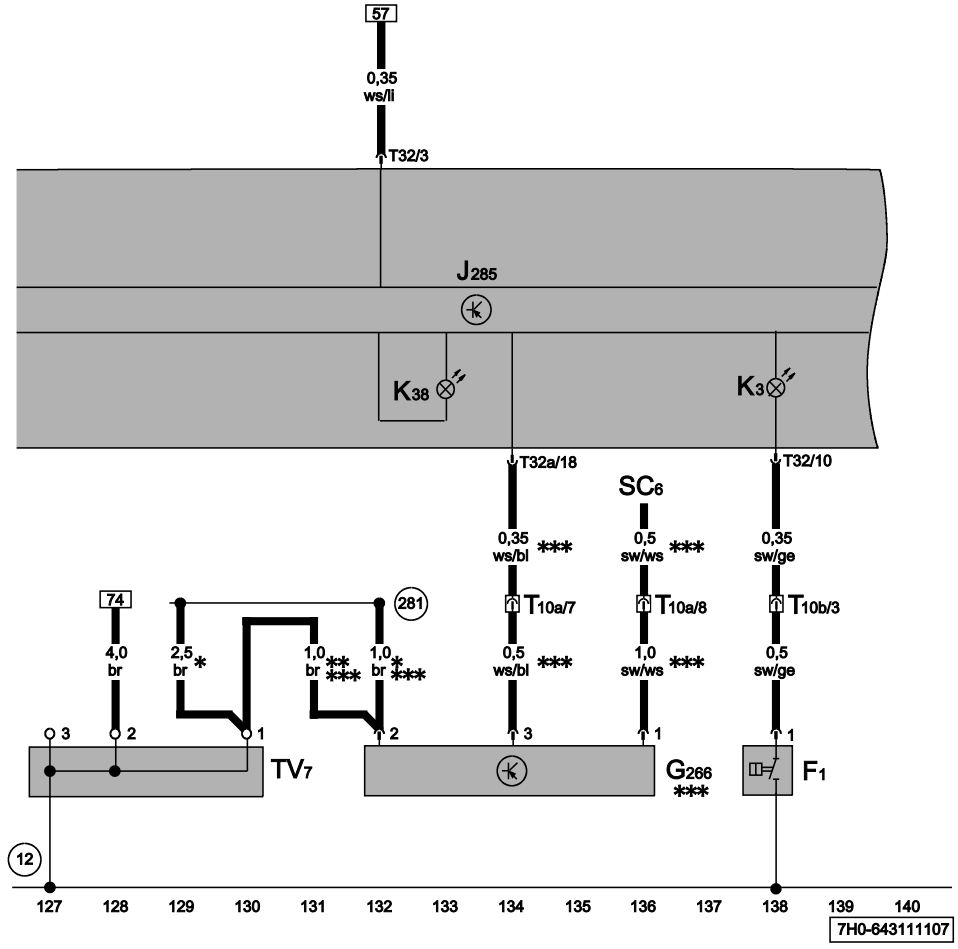
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gn = green
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ge = yellow
or = orange
rs = pink

Dash panel inser, data bus diagnostic interface, fuel gauge sender, fuel system pressurisation pump, warning lamps

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
K29	Glow period warning lamp
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



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3.2 l/173 kW engine (Motronic), engine code BDL

from November 2007

3.2 l/173 kW engine (Motronic), engine code BKK

3.2 l/173 kW engine (Motronic), engine code BDM

3.2 l/173 kW engine (Motronic), engine code BDM

from November 2007

Notes:

For information concerning

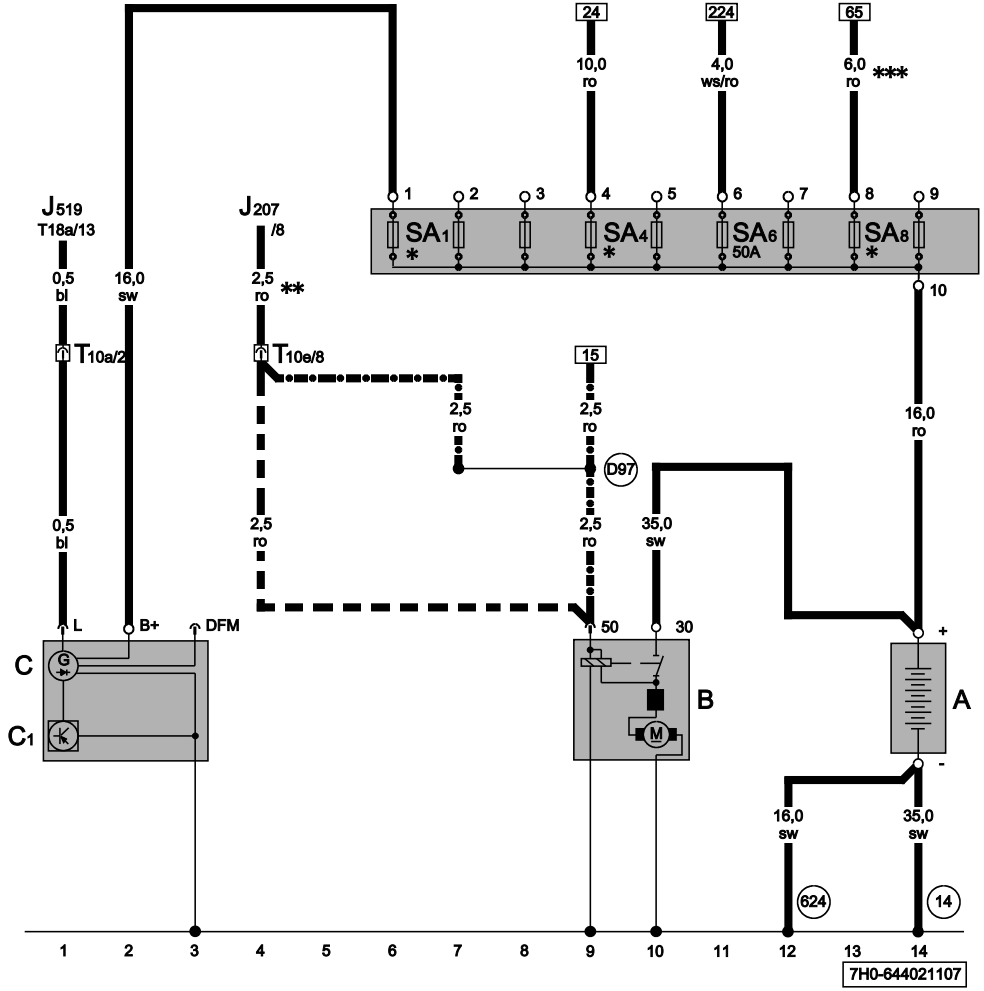
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Starter, battery, alternator, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J207	Starter inhibitor relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram
***	for models without air conditioning system only

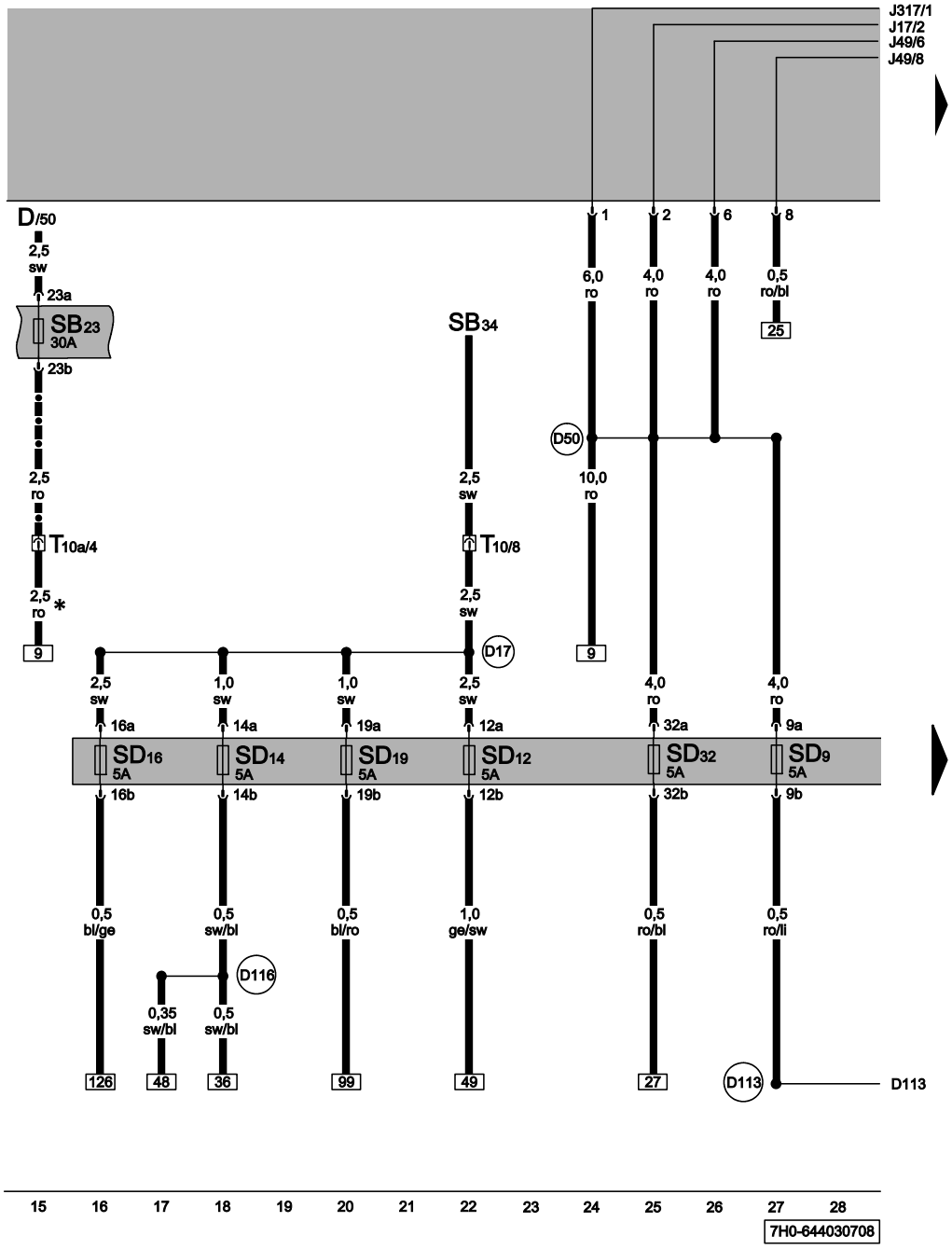
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for models with manual gearbox only

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for models with automatic gearbox only

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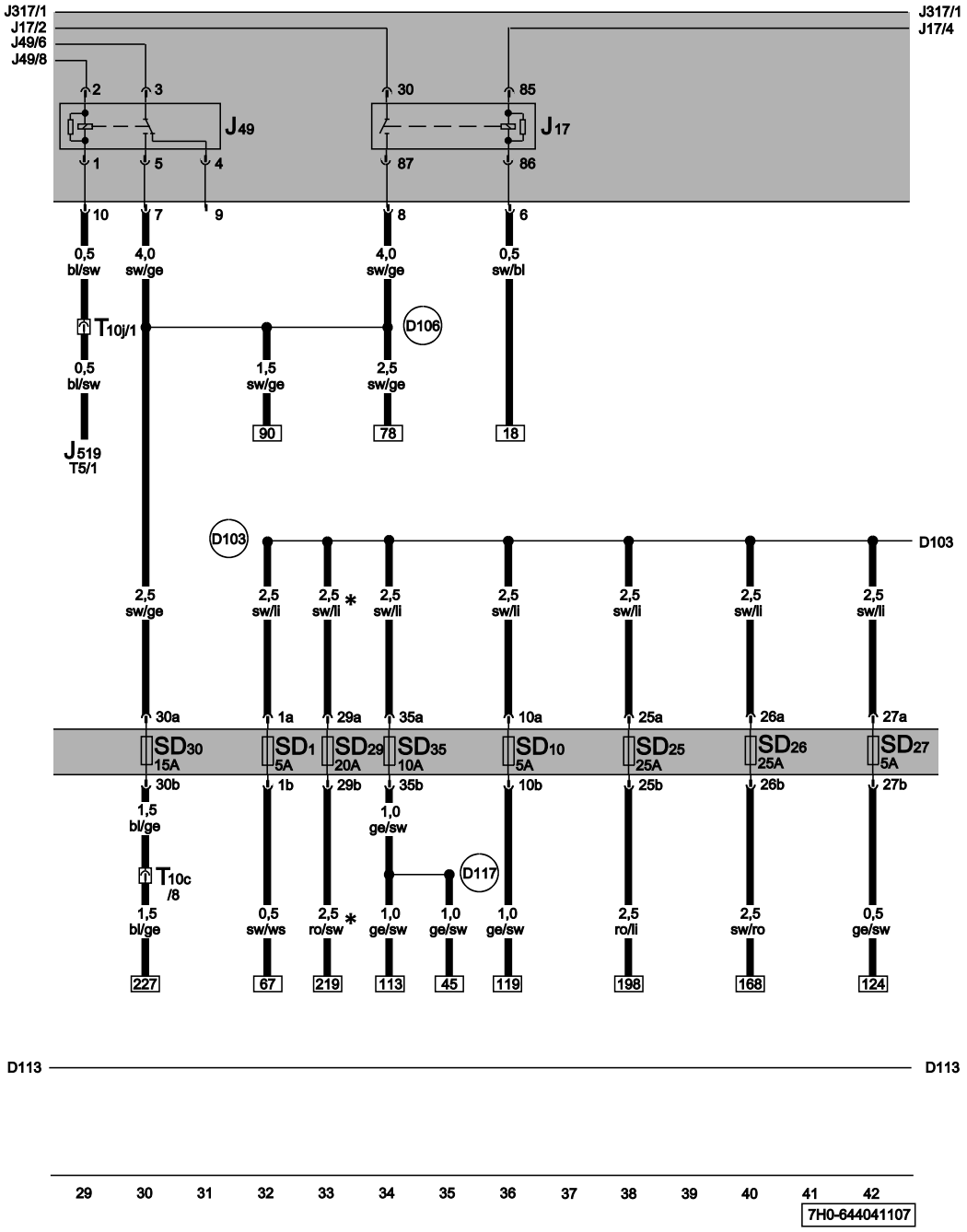
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Fuses

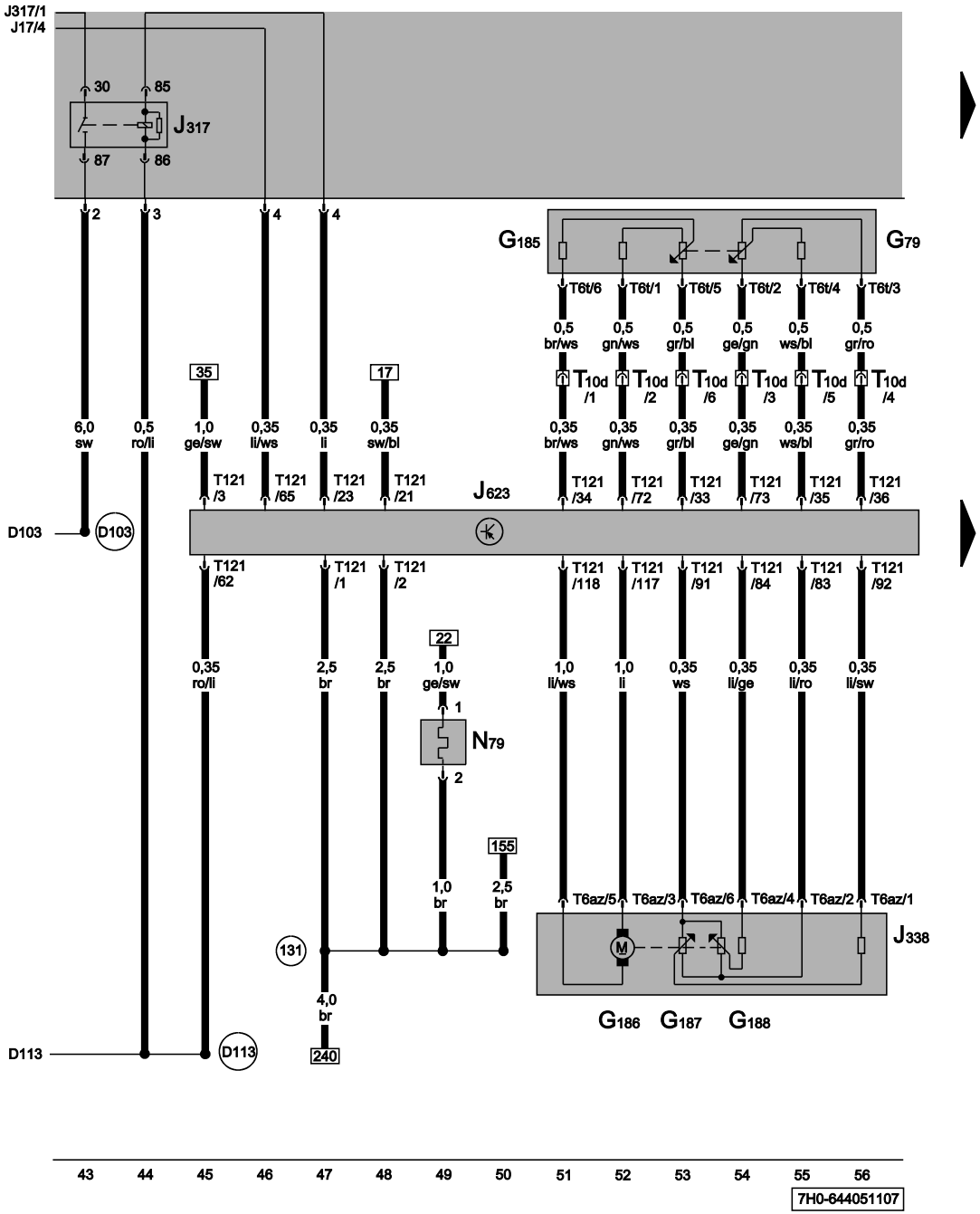
D	Ignition/starter switch
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD9	Fuse 9 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
SD32	Fuse 32 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with manual gearbox only
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or = orange
rs = pink

Fuses, fuel pump relay

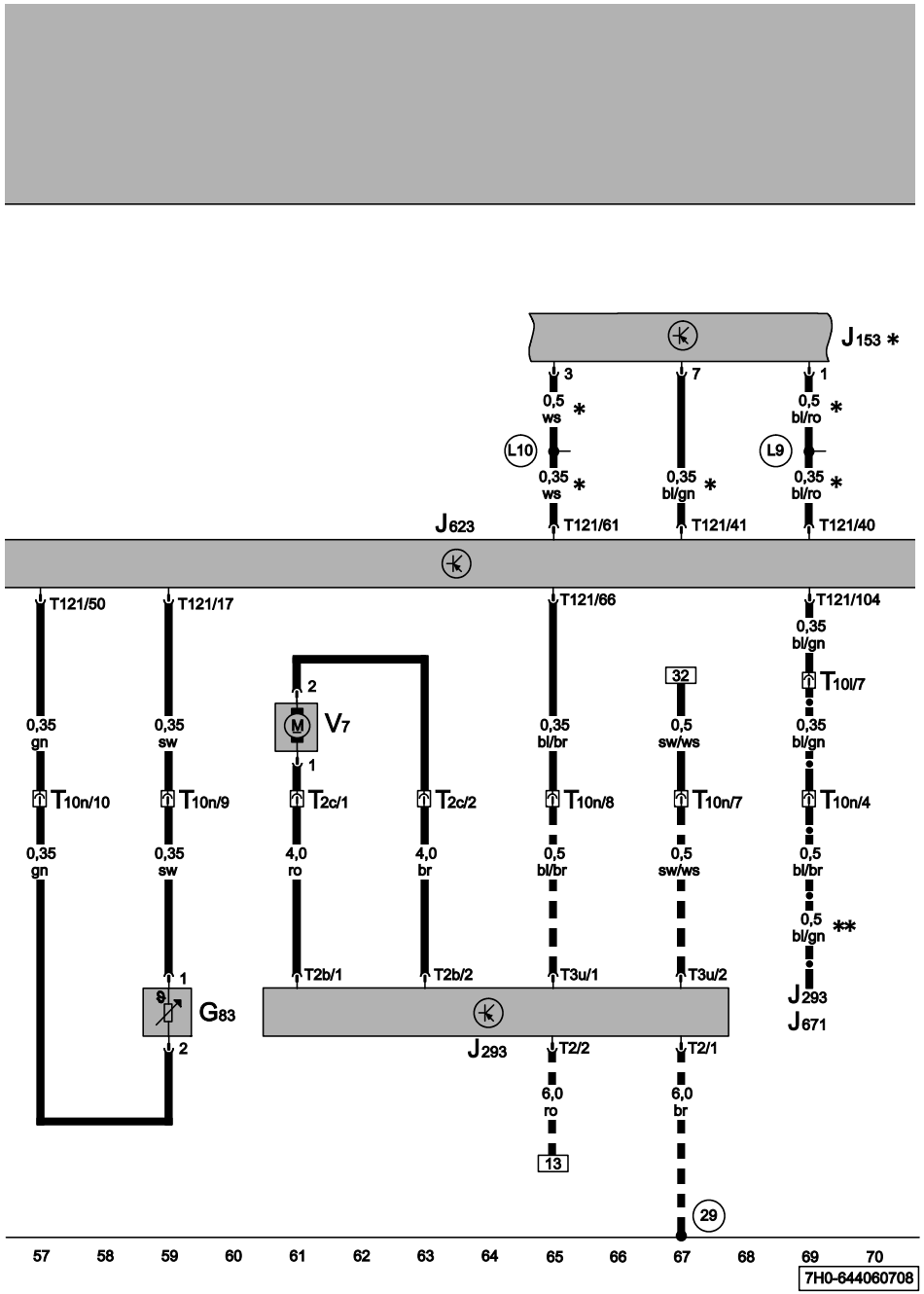
J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD25	Fuse 25 on fuse holder D
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD35	Fuse 35 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D103	Connection 3, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
*	for models with automatic gearbox only



Engine control unit, terminal 30 voltage supply relay, accelerator position sender, throttle valve module, heater element for crankcase breather

G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J317	Terminal 30 voltage supply relay
J338	Throttle valve module
J623	Engine control unit
N79	Heater element for crankcase breather
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector
131	Earth connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink



ws = white

Engine control unit, radiator outlet coolant temperature sender, magnetic clutch control unit, radiator fan control unit, radiator fan

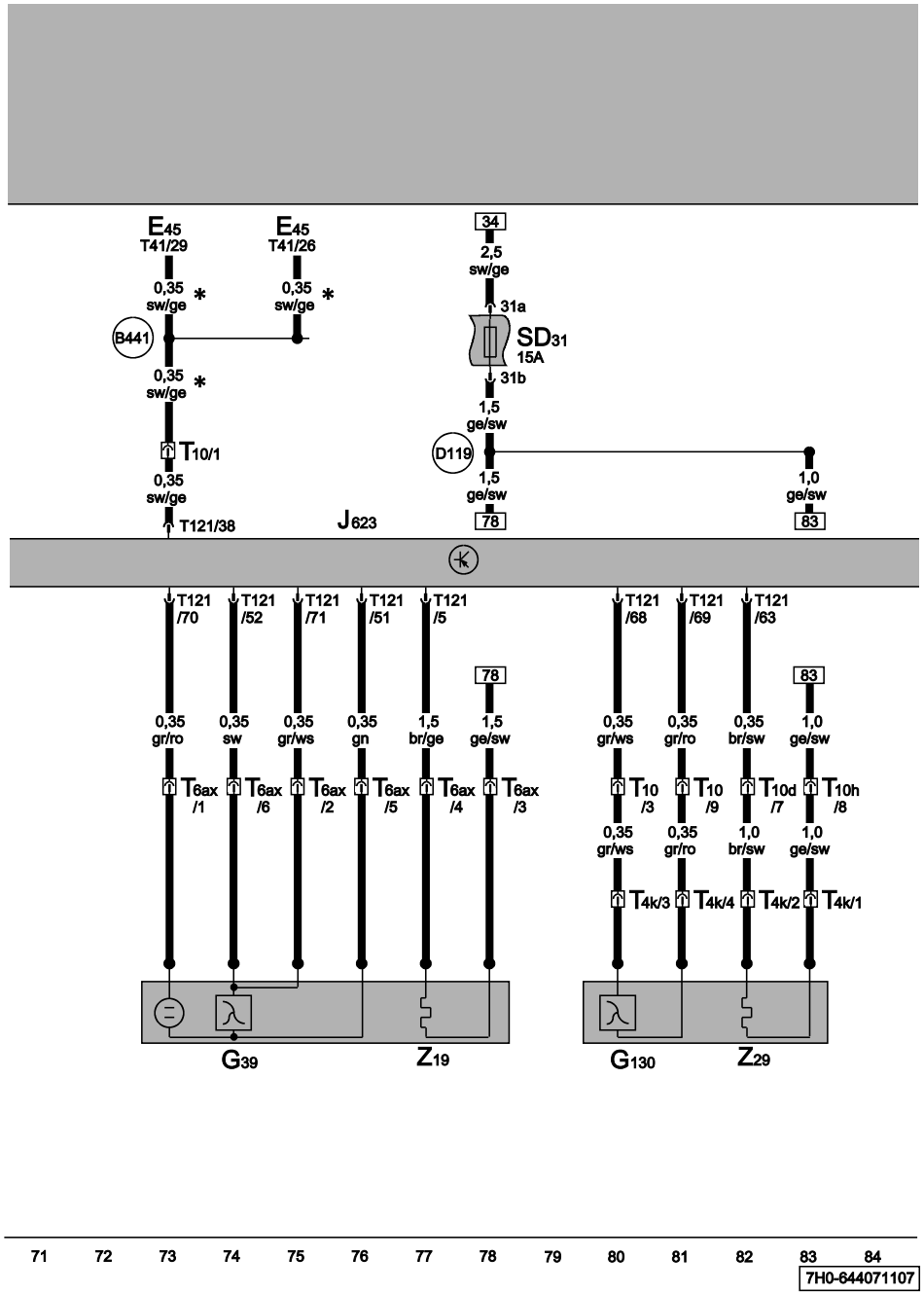
G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	applicable from June 2008

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for models without air conditioning system only

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for models with Climatronic/ air conditioning system only ⇒ Current Flow Diagram for radiator fan

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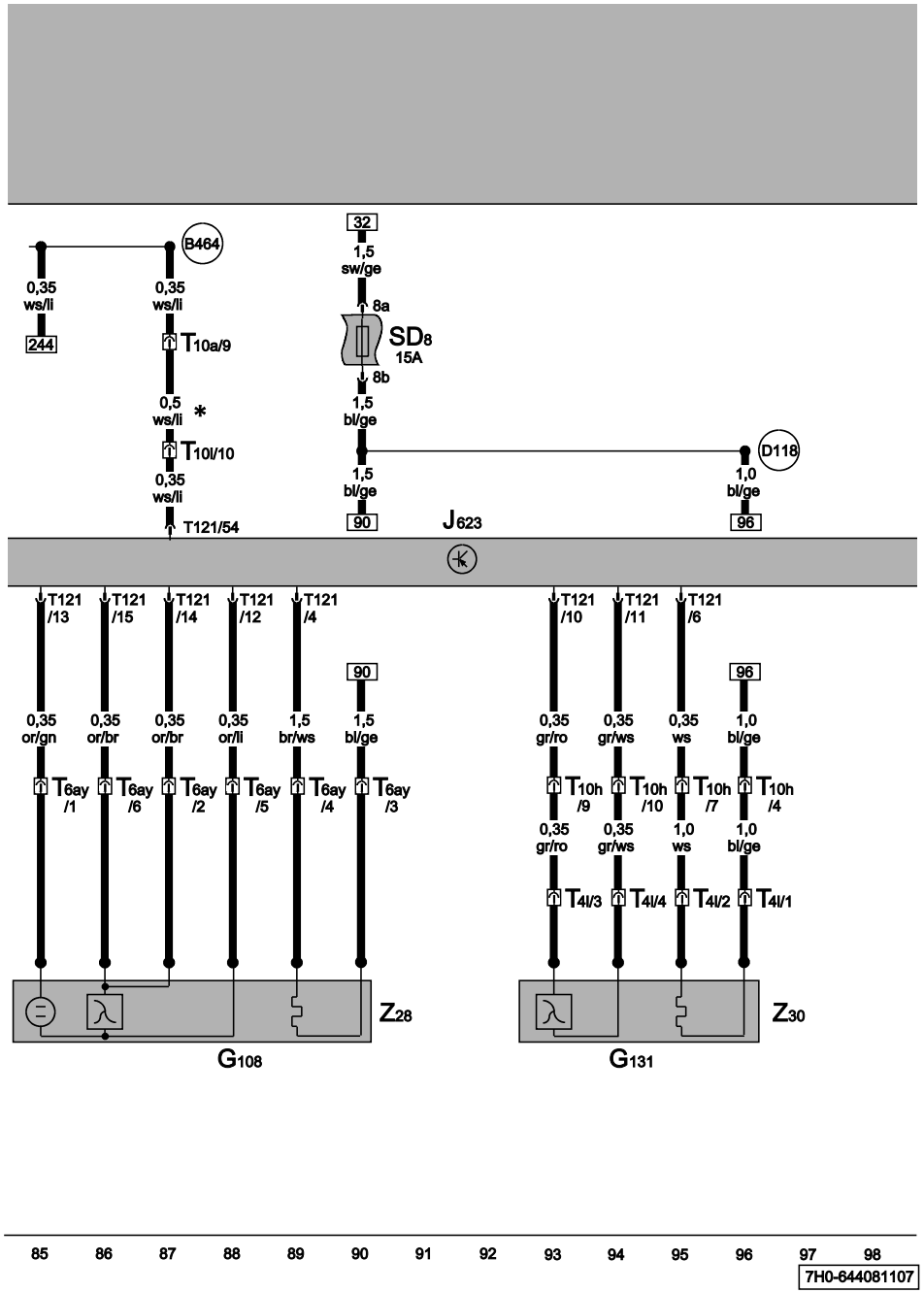
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Engine control unit, lambda probes

E45	Cruise control system switch
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black, on underbody, next to the auxiliary heater
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
B441	Connection (CCS), in main wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with cruise control system only

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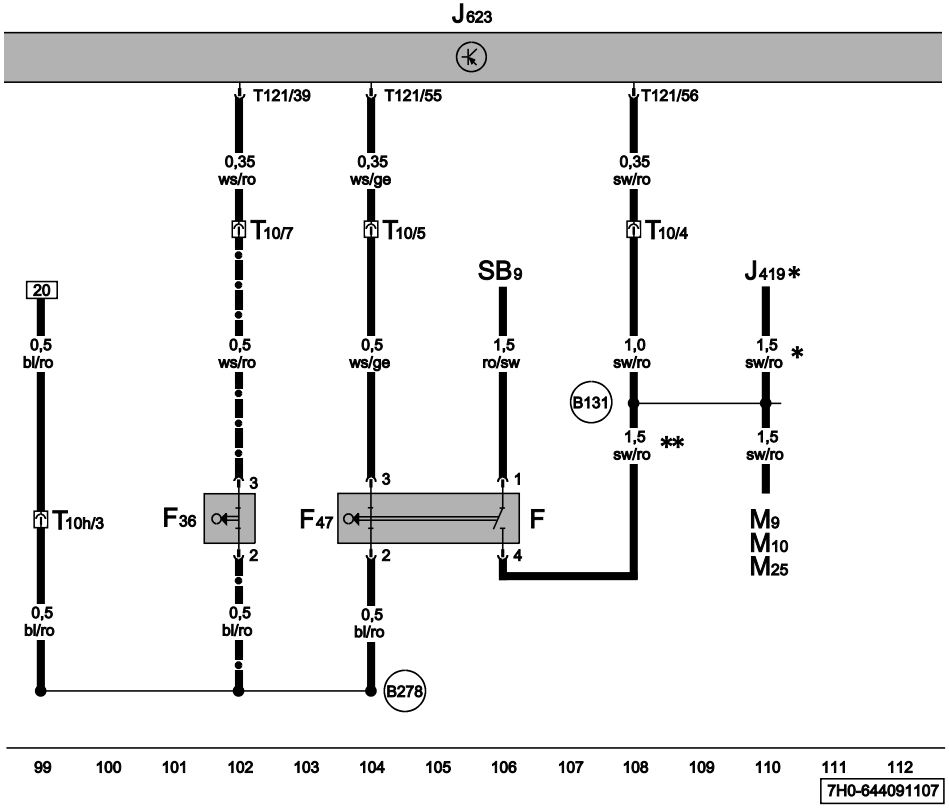


Engine control unit, lambda probes

G108	Lambda probe 2
G131	Lambda probe 2 after catalytic converter
J623	Engine control unit
SD8	Fuse 8 on fuse holder D
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6ay	6-pin connector, brown, on left in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z28	Lambda probe 2 heater
Z30	Lambda probe 2 heater after catalytic converter
B464	Connection (speed signal), in main wiring harness
D118	Connection 16, in engine compartment wiring harness
*	for models with manual gearbox only

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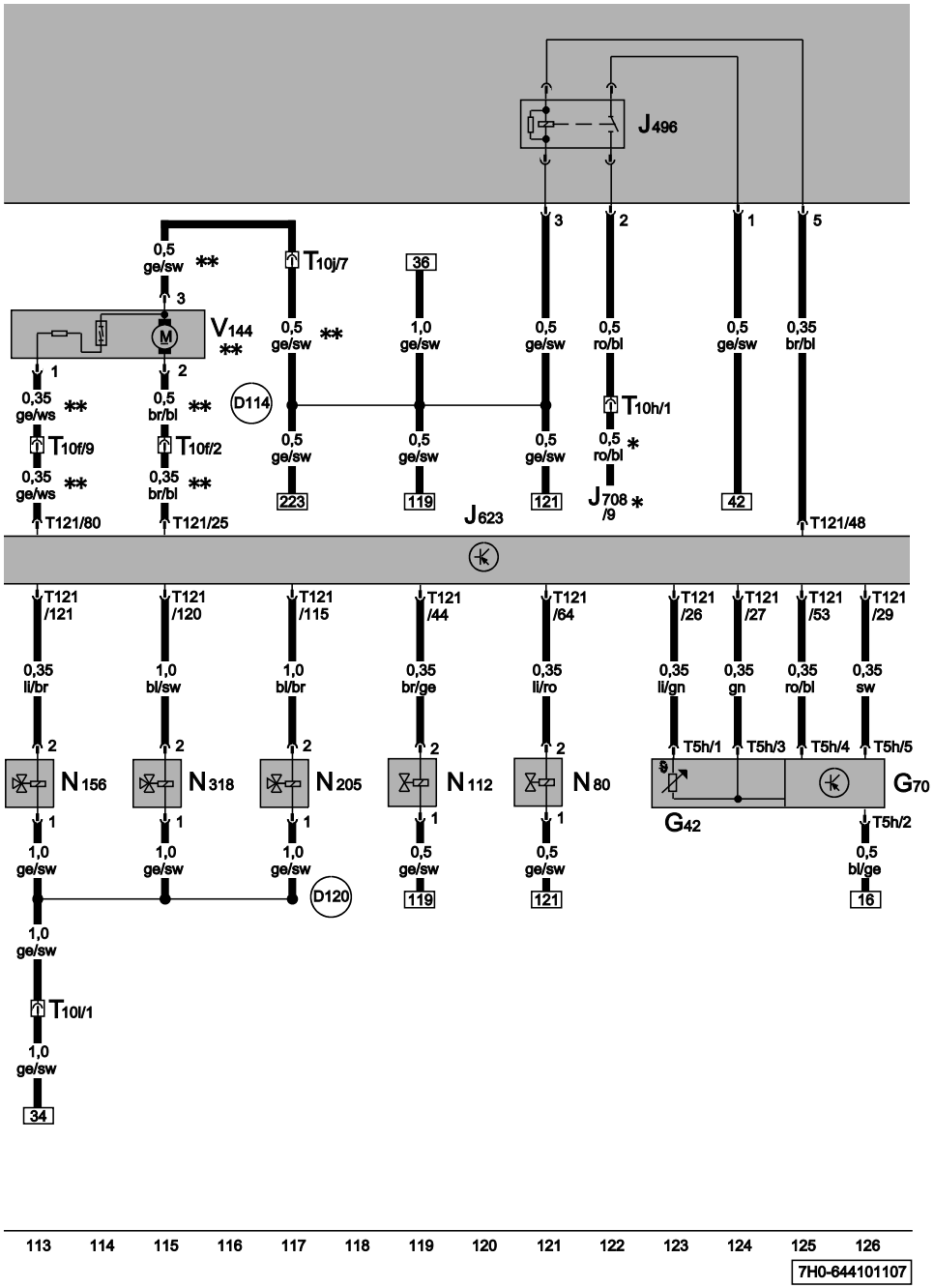




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Engine control unit, brake light switch, clutch pedal switch, brake light bulb

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
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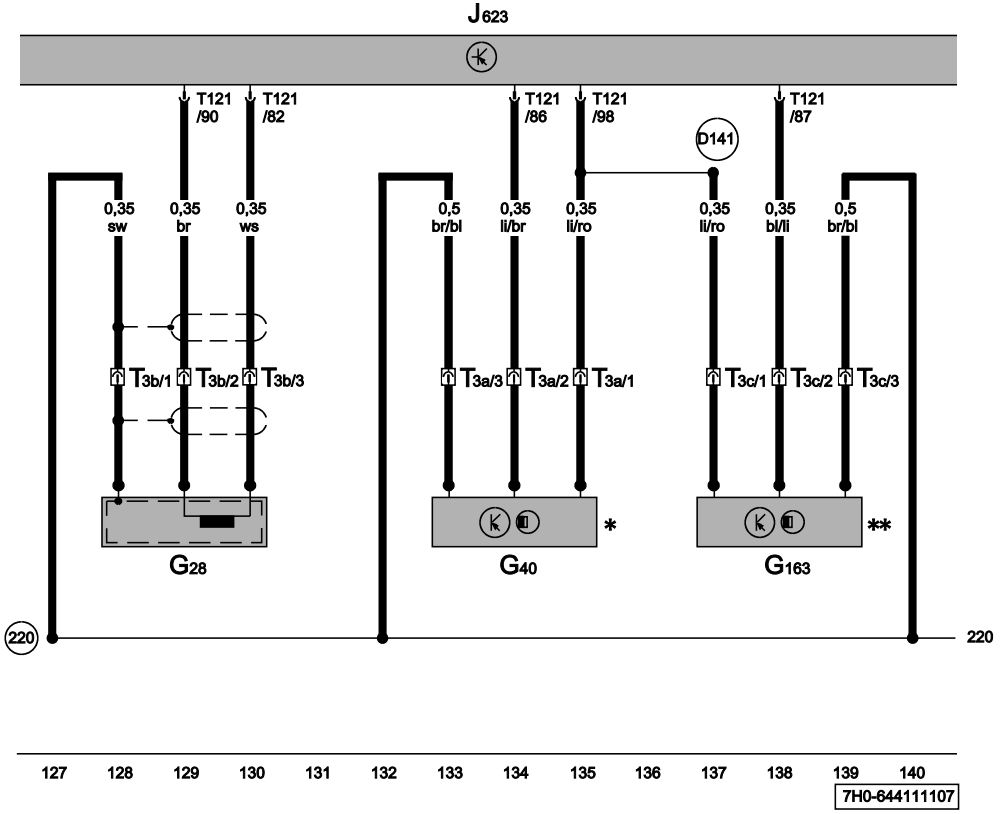
Engine control unit, intake air temperature sender, air mass meter, additional coolant pump relay, valves, fuel system diagnostic pump

G42	Intake air temperature sender
G70	Air mass meter
J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
T5h	5-pin connector, brown
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V144	Fuel system diagnostic pump
D114	Connection 12, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram
**	for models with engine code BDM only

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Engine control unit, engine speed sender, Hall sender

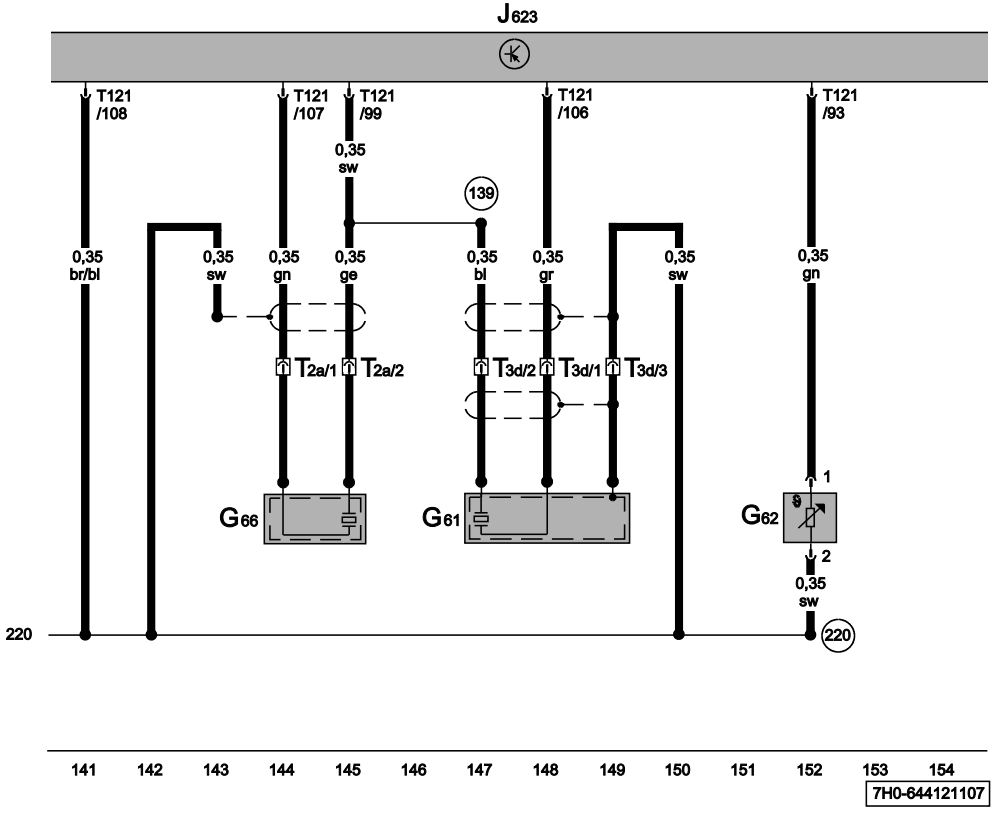
G28	Engine speed sender
G40	Hall sender
G163	Hall sender 2
J623	Engine control unit
T3a	3-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3c	3-pin connector, black, on front of engine
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
D141	Connection (5V), in engine wiring harness
*	Camshaft sender - Inlet valves
**	Camshaft sender - Outlet valves



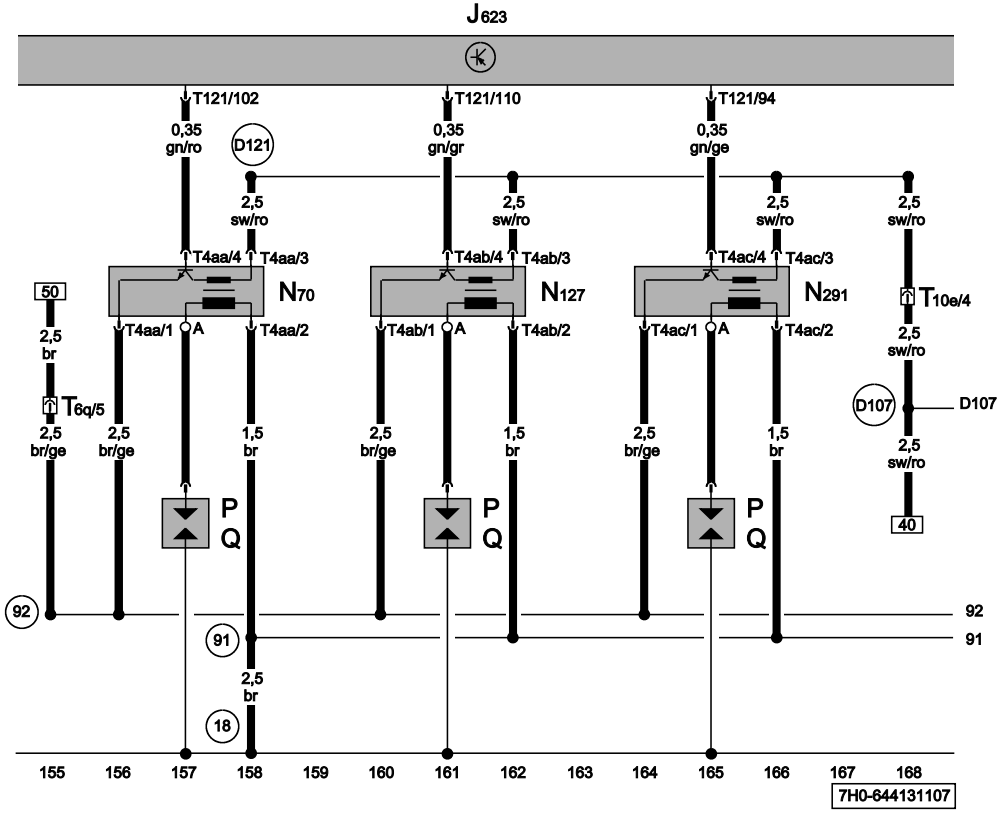
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Engine control unit, knock sensors, coolant temperature sender

G61	Knock sensor 1
G62	Coolant temperature sender
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3d	3-pin connector, black, on front of engine
T121	121-pin connector
139	Earth connection (sender earth), in Motronic wiring harness
220	Earth connection (sender earth), in engine wiring harness



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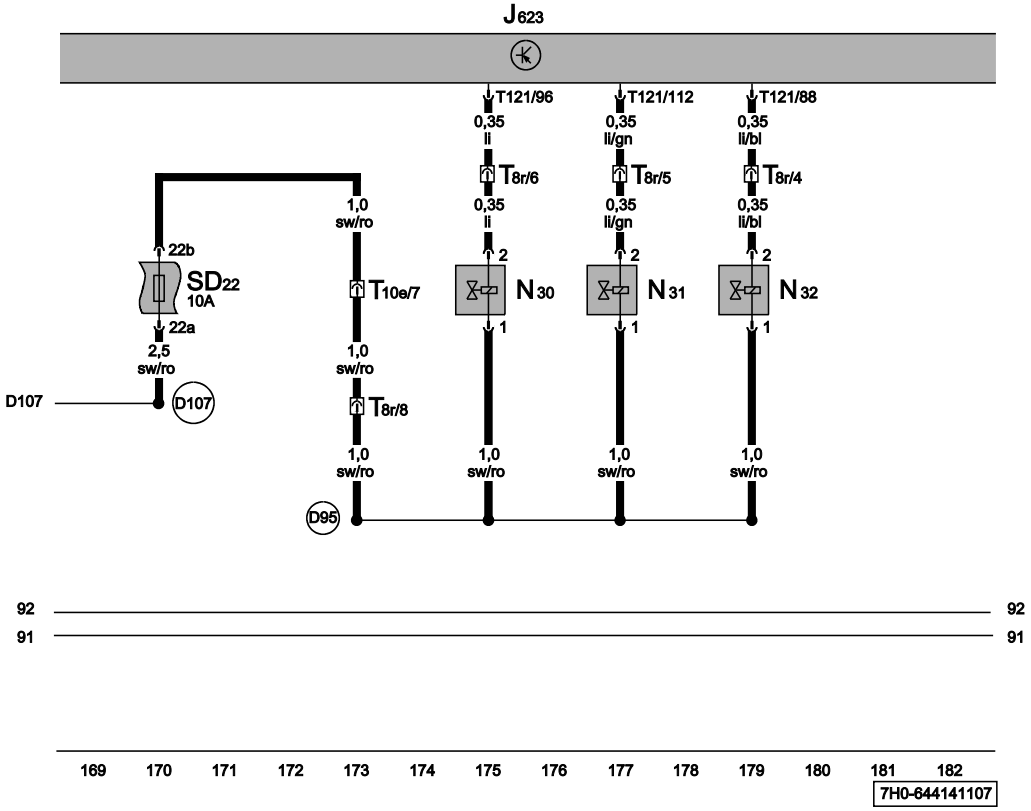
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or = orange
rs = pink

Engine control unit, ignition coils 1 up to 3

J623	Engine control unit
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
P	Spark plug connector
Q	Spark plugs
T4aa	4-pin connector
T4ab	4-pin connector
T4ac	4-pin connector
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
18	Earth point on engine block
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness

Engine control unit, injectors for cylinders 1 to 3, fuse

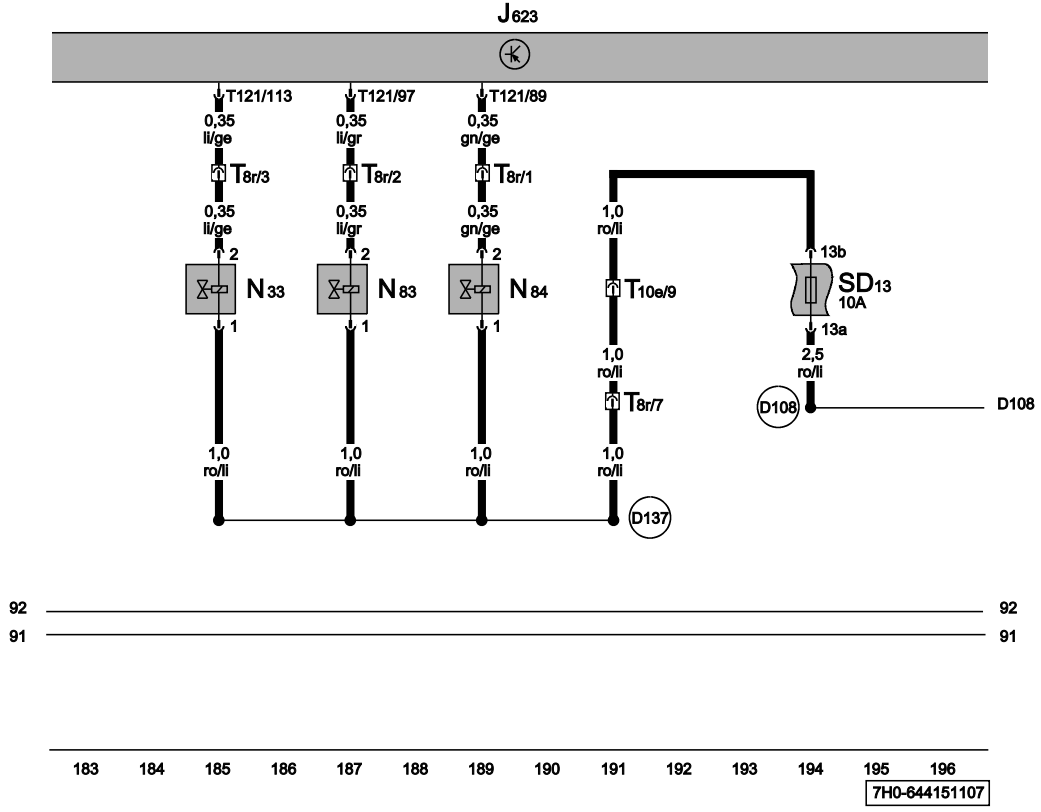
J623	Engine control unit
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
SD22	Fuse 22 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness



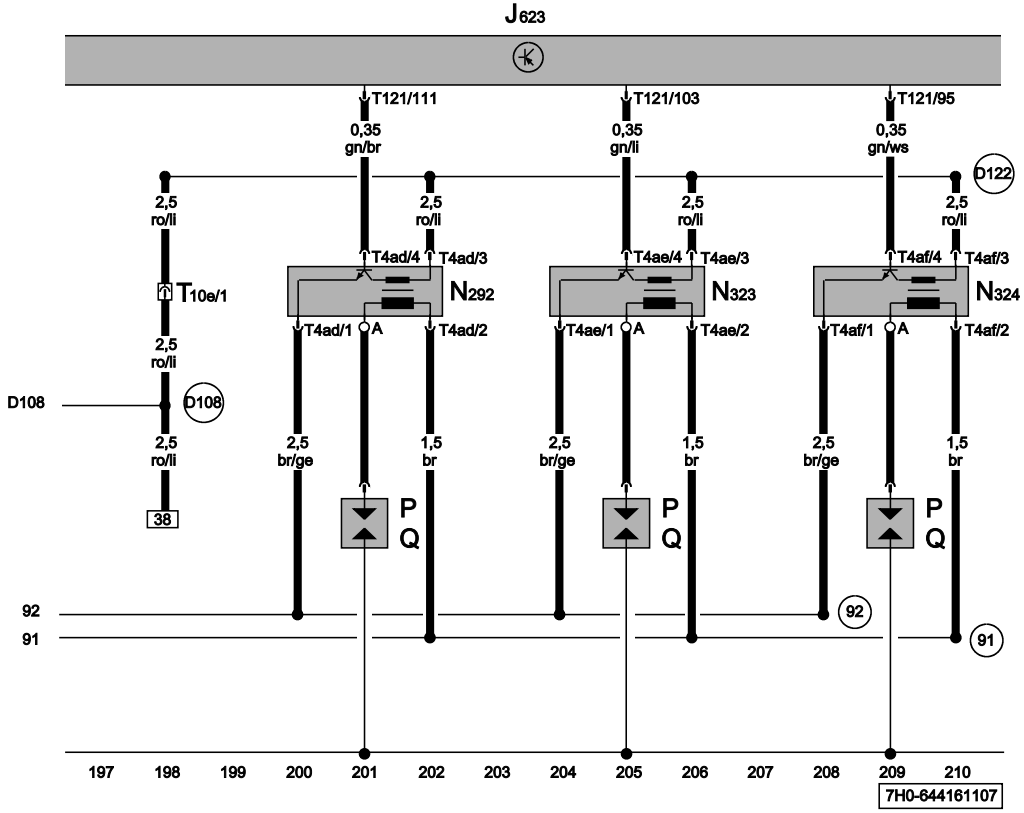
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ge	=	yellow
or	=	orange
rs	=	pink

Engine control unit, injectors for cylinders 4 to 6, fuse

J623	Engine control unit
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
SD13	Fuse 13 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
D108	Connection 6, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness



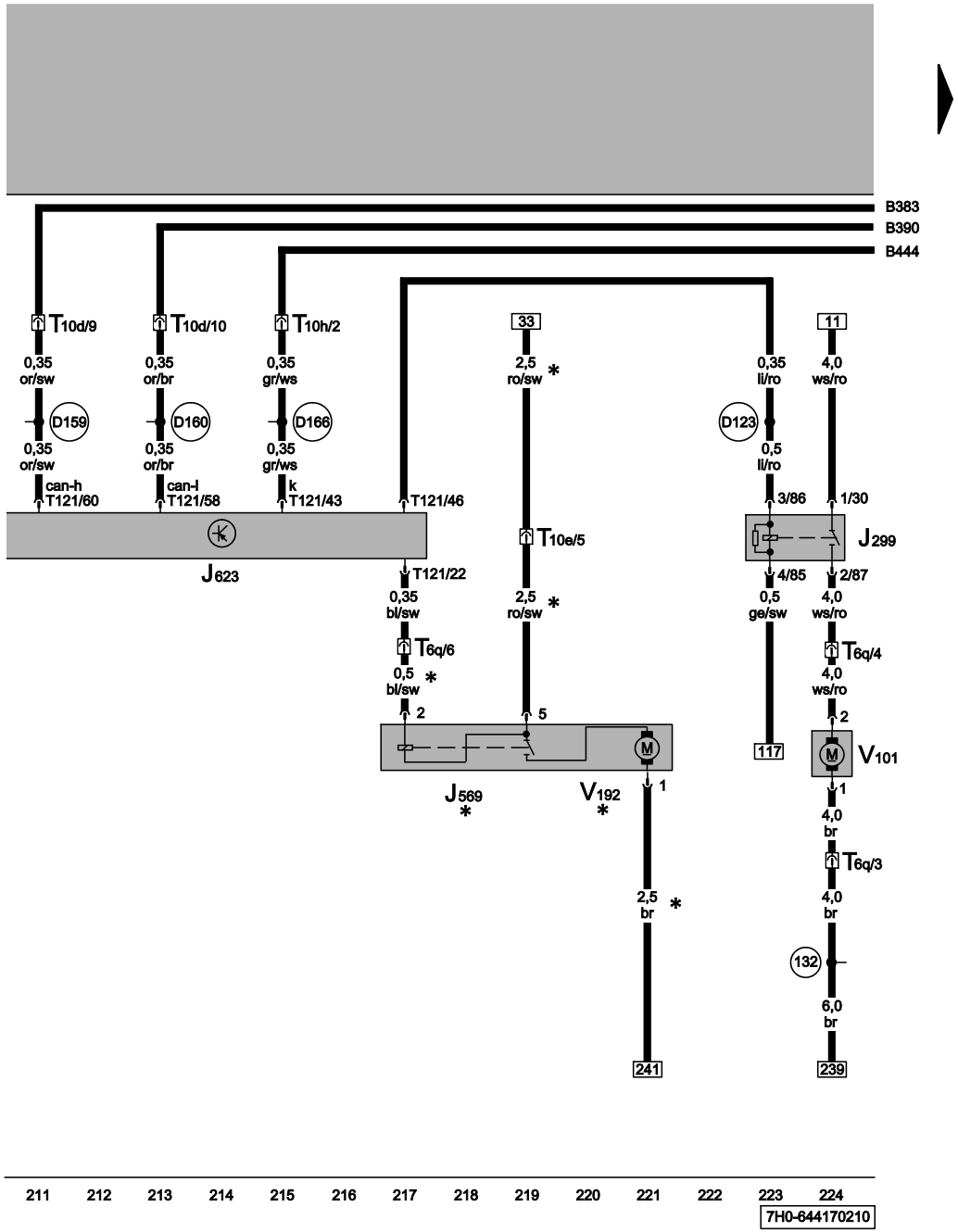
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rs	=	pink



ws = white
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bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, ignition coils 4 up to 6

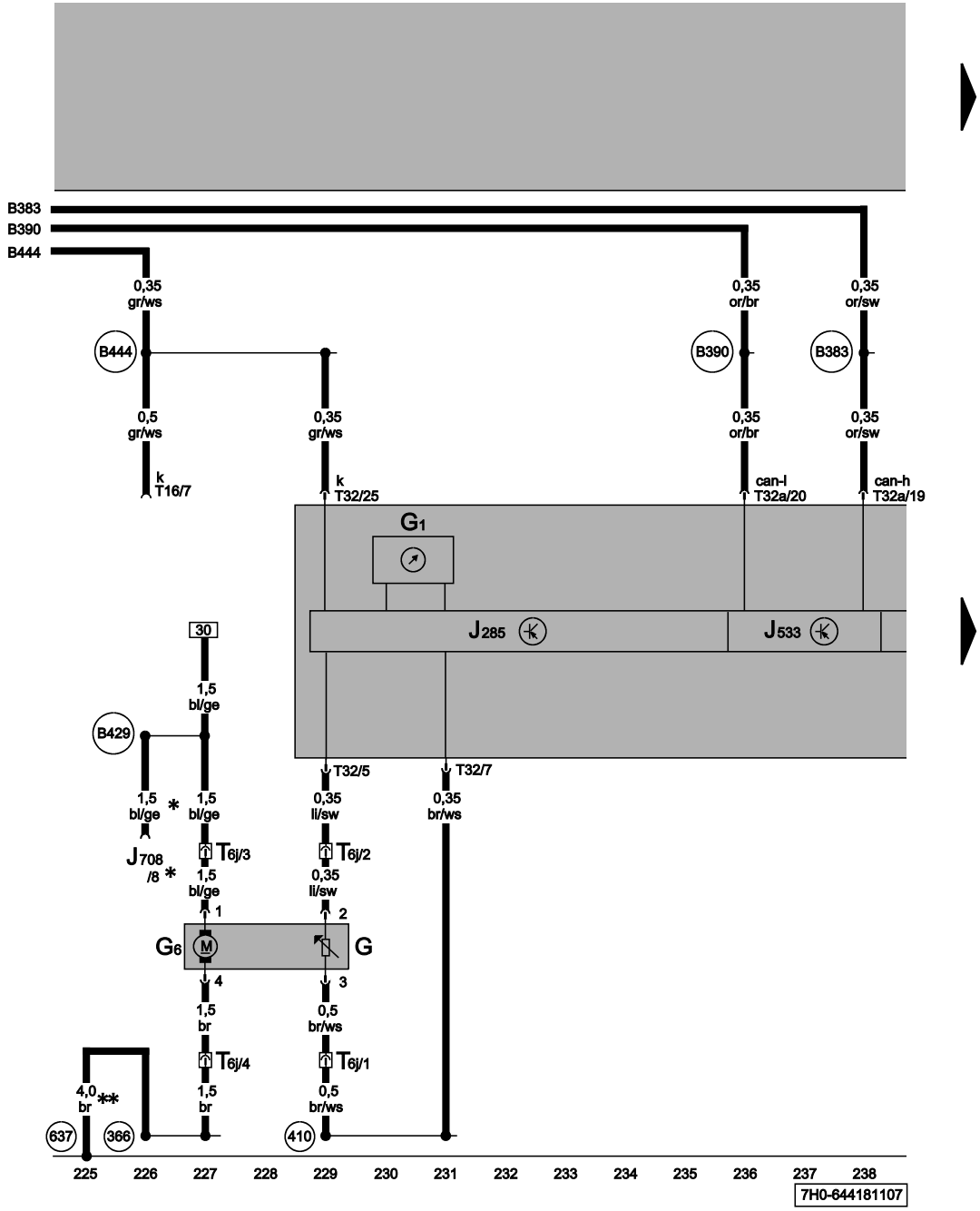
J623	Engine control unit
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
P	Spark plug connector
Q	Spark plugs
T4ad	4-pin connector
T4ae	4-pin connector
T4af	4-pin connector
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T121	121-pin connector
91	Earth connection 1, in fully electronic ignition system wiring harness
92	Earth connection 2, in fully electronic ignition system wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, secondary air pump motor, vacuum pump for brakes

J299	Secondary air pump relay
J569	Brake servo relay
J623	Engine control unit
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
V192	Vacuum pump for brakes
132	Earth connection 3, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with automatic gearbox only



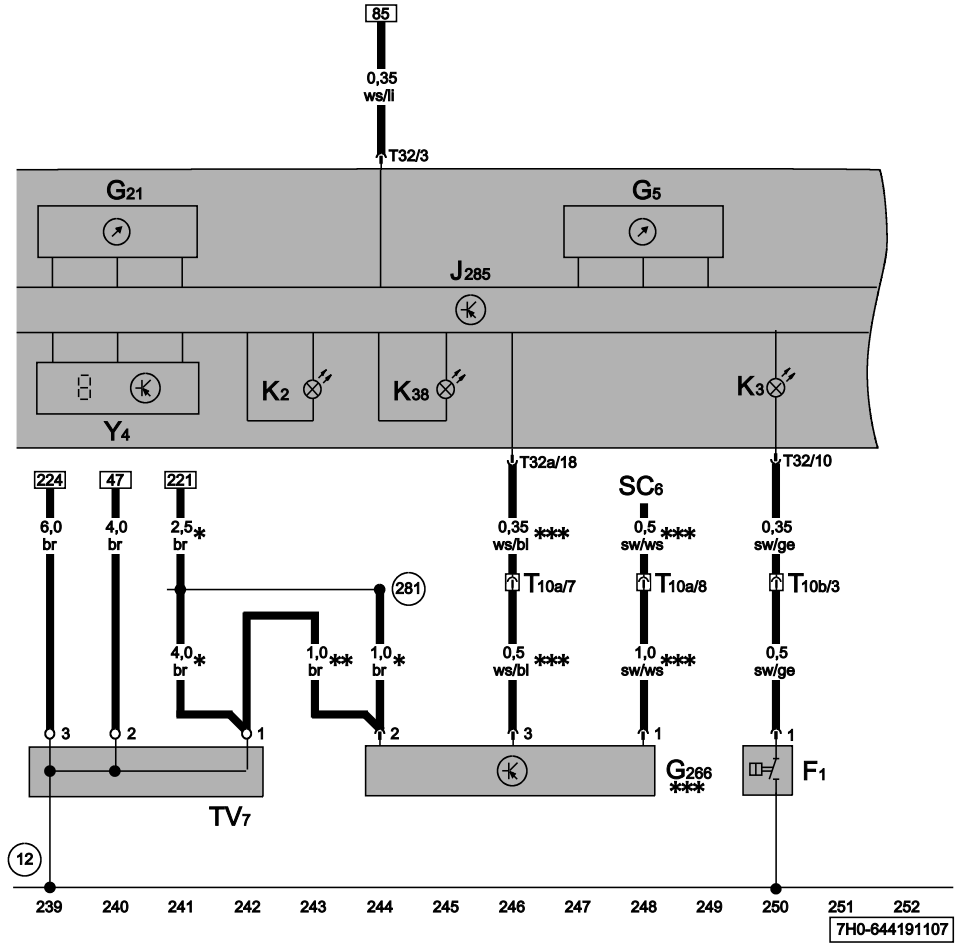
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gr = grey
li = purple
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or = orange
rs = pink

Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G5	Rev. counter
G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K2	Alternator warning lamp
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
*	for models with automatic gearbox only
**	for models with manual gearbox only
***	for models with extended servicing intervals only



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink

2.0 l/85 kW Motronic, engine code AXA

from November 2007

Notes:

For information concerning

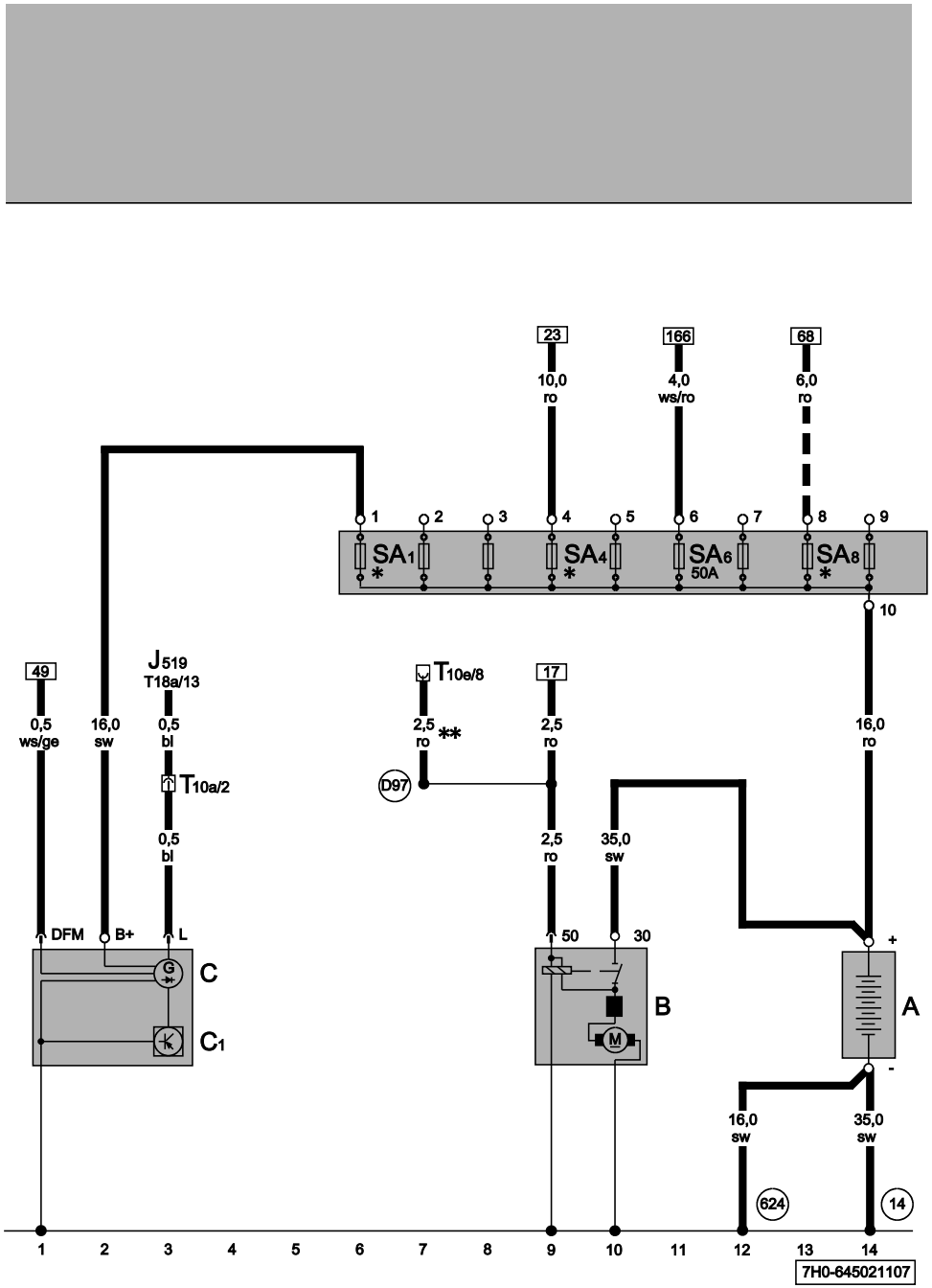
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

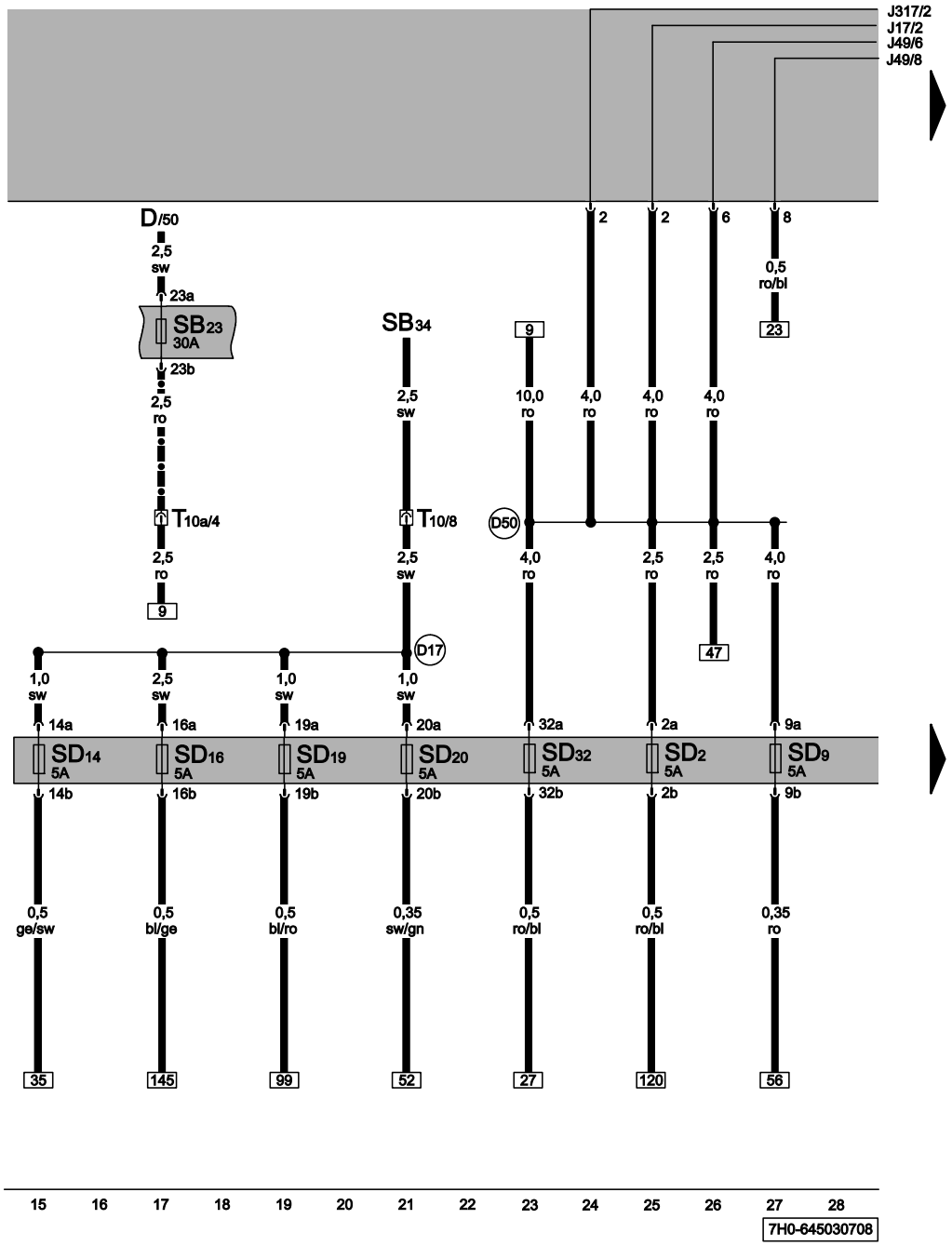


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sw = black
ro = red
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ge = yellow
or = orange
rs = pink

Battery, alternator, starter, fuses

A	Battery
B	Starter
C	Alternator
C1	Voltage regulator
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA8	Fuse 8 on fuse holder A
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
14	Earth point, on gearbox
624	Earth point, starter battery
D97	Connection (50), in engine compartment right wiring harness
*	fuse rating depends on equipment ⇒ Fitting Locations
**	⇒ electric interface Current Flow Diagram

<fo:exter for models without air conditioning system only
nal-
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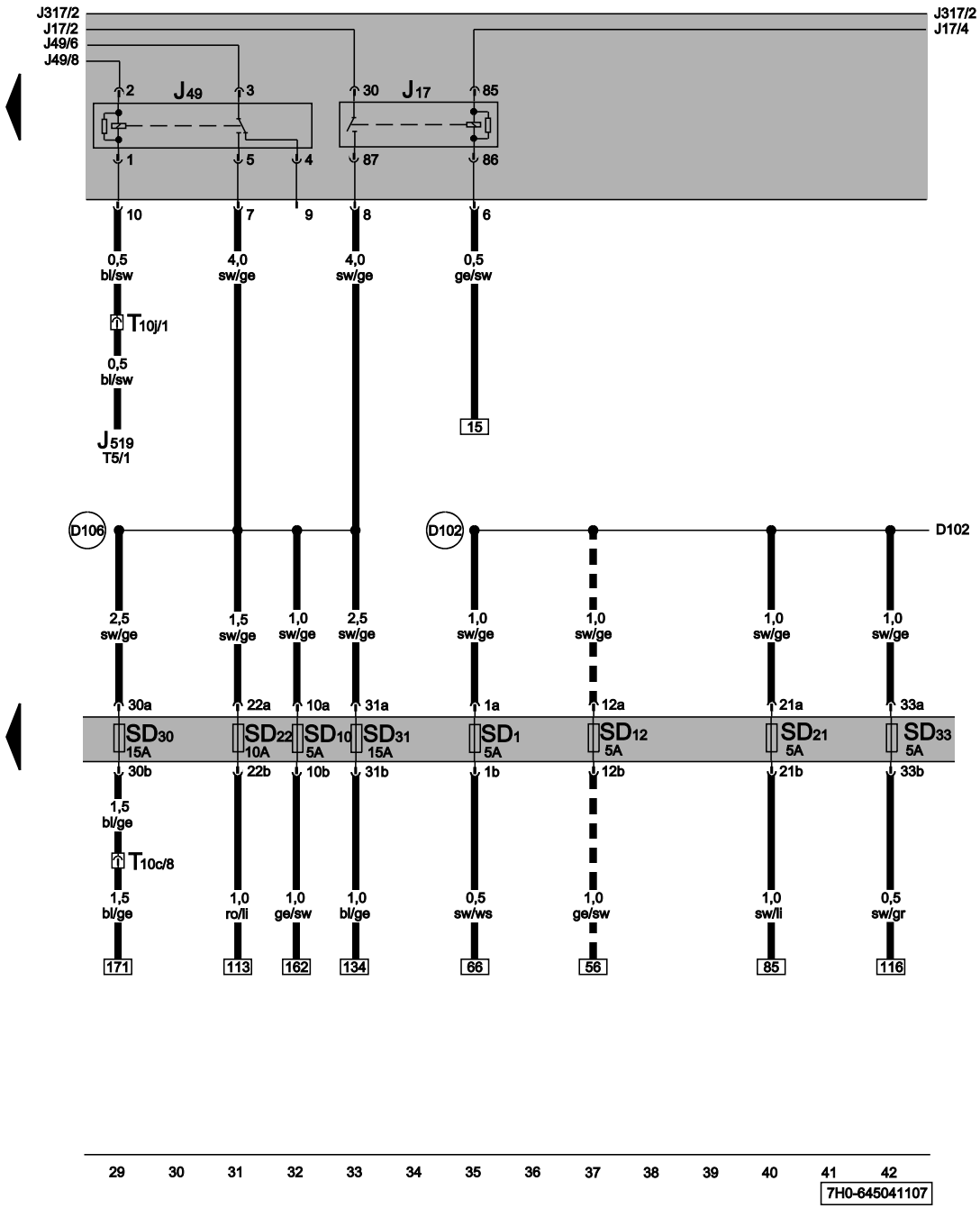
Fuses

D	Ignition/starter switch
SB23	Fuse 23 on fuse holder B
SB34	Fuse 34 on fuse holder B
SD2	Fuse 2 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD14	Fuse 14 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD19	Fuse 19 on fuse holder D
SD20	Fuse 20 on fuse holder D
SD32	Fuse 32 on fuse holder D
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D50	Positive connection (30), in engine compartment wiring harness

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for models with manual gearbox and without electric interface only

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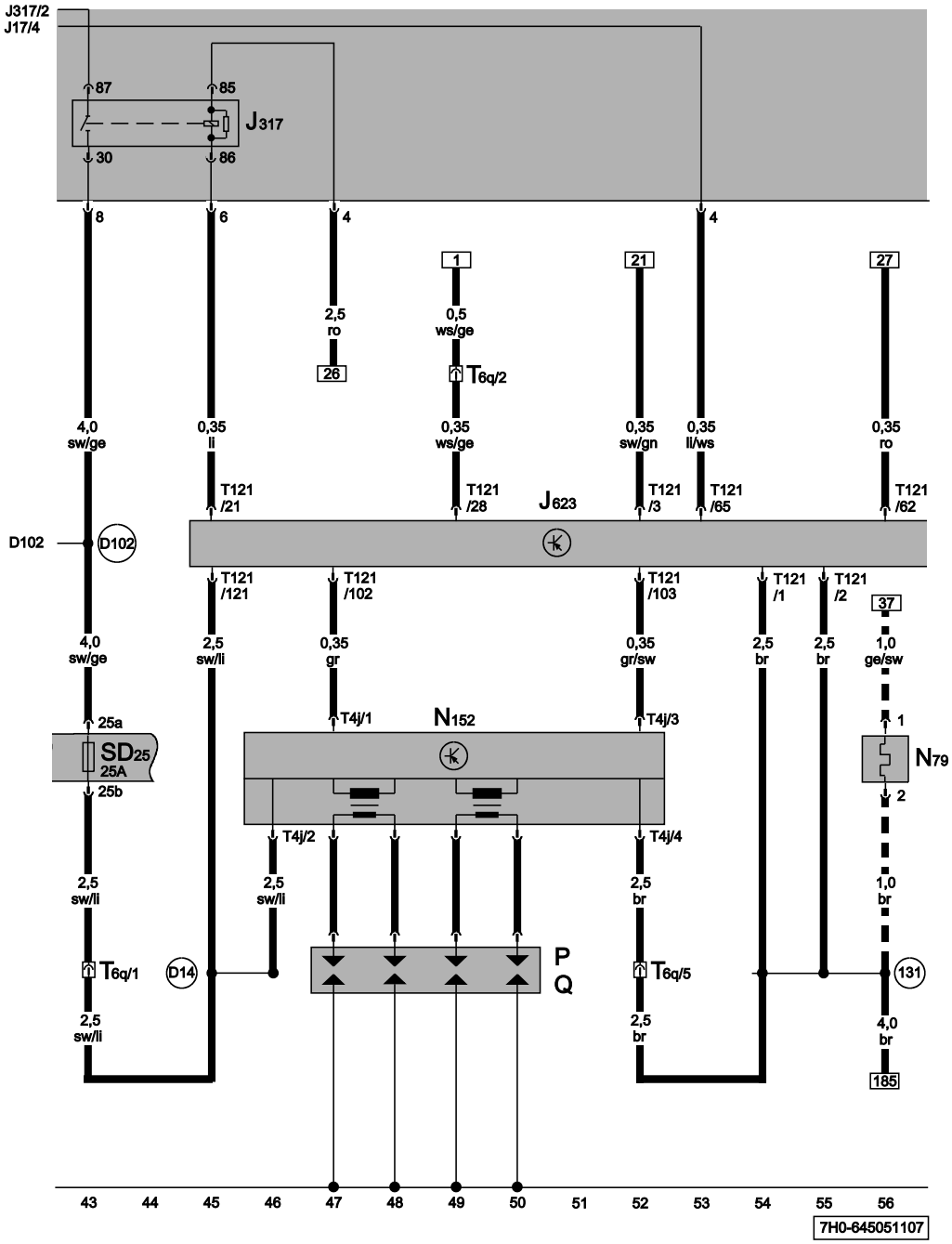
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or = orange
rs = pink

Fuses, fuel pump relay

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
SD1	Fuse 1 on fuse holder D
SD10	Fuse 10 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
SD22	Fuse 22 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD31	Fuse 31 on fuse holder D
SD33	Fuse 33 on fuse holder D
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
D102	Connection 2, in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness

<fo:exter for models with heater element for crankcase breather only

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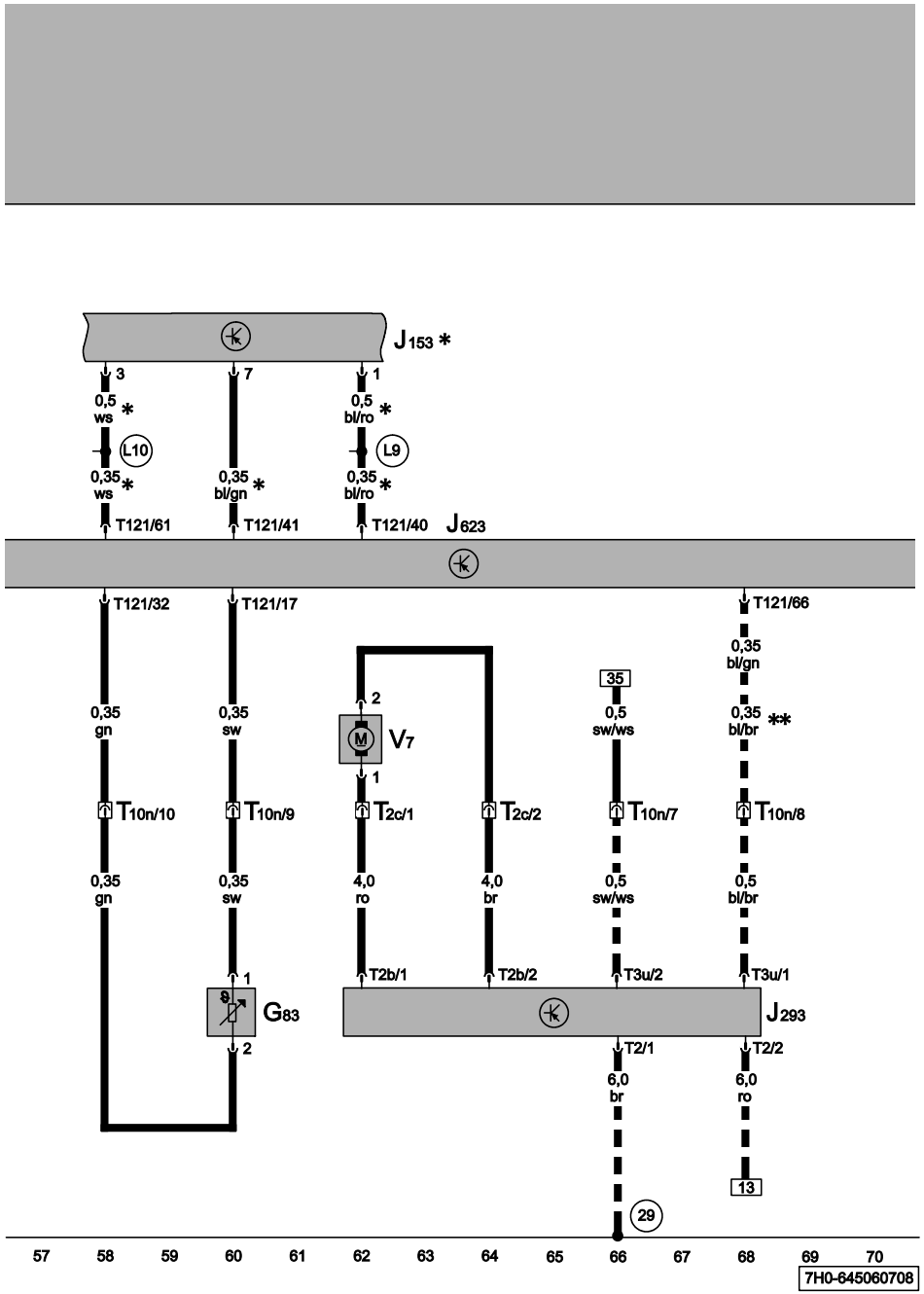
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ge = yellow
or = orange
rs = pink

Engine control unit, terminal 30 voltage supply relay, ignition transformer, spark plug connector, spark plugs, heater element for crankcase breather

J317	Terminal 30 voltage supply relay
J623	Engine control unit
N79	Heater element for crankcase breather
N152	Ignition transformer
P	Spark plug connector
Q	Spark plugs
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T121	121-pin connector
131	Earth connection 2, in engine compartment wiring harness
D14	Connection (ignition coil - control unit), in front right wiring harness
D102	Connection 2, in engine compartment wiring harness

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for models with heater element for crankcase breather only

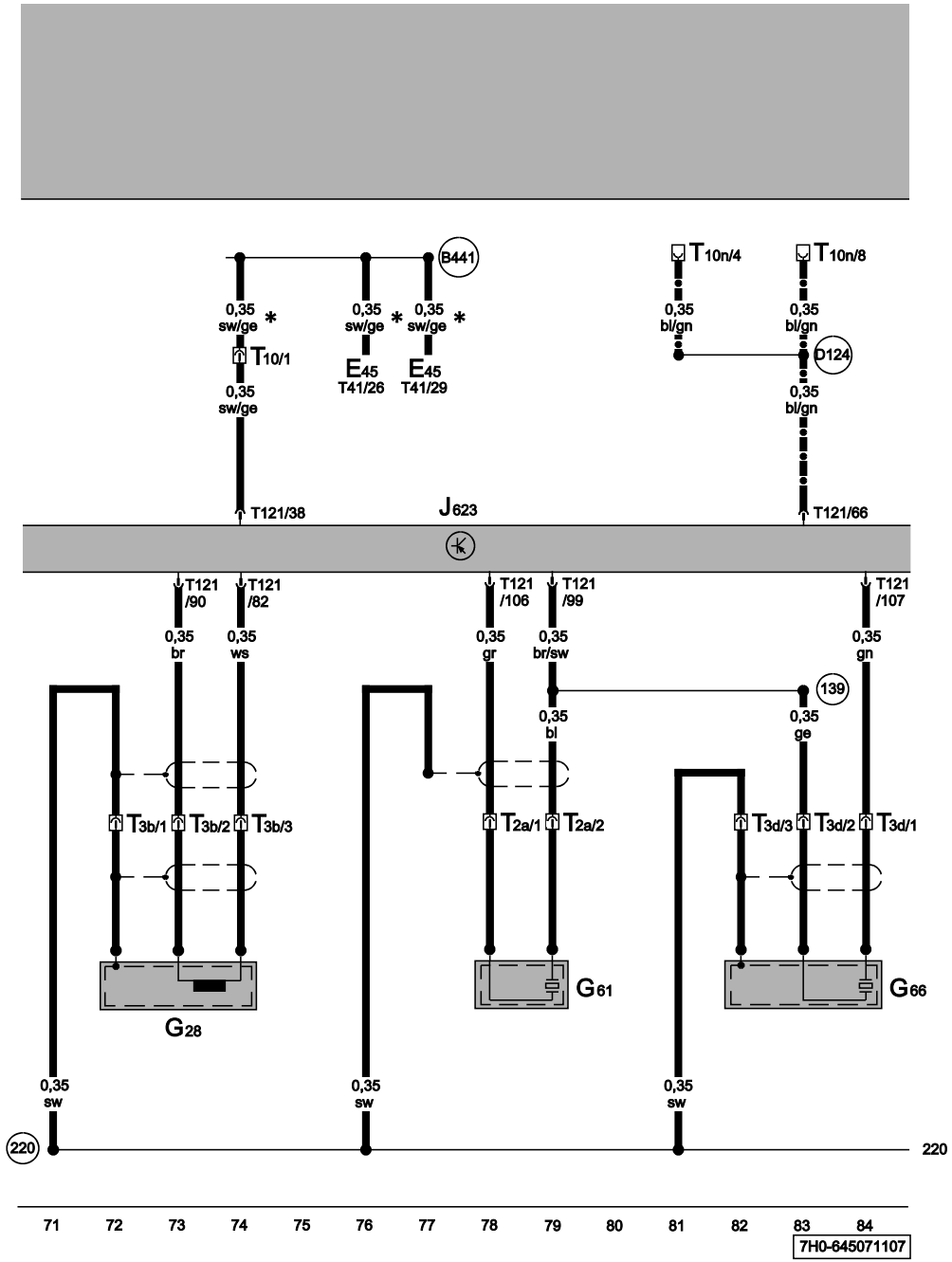


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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine control unit, radiator outlet coolant temperature sender, radiator fan control unit, radiator fan, magnetic clutch control unit

G83	Radiator outlet coolant temperature sender
J153	Magnetic clutch control unit
J293	Radiator fan control unit
J623	Engine control unit
T2	2-pin connector, black
T2b	2-pin connector, black
T2c	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
V7	Radiator fan
29	Earth point, near radiator fan control unit
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with air conditioning system only ⇒ Current Flow Diagram for air conditioning system
**	applicable from June 2008

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for models without air conditioning system only

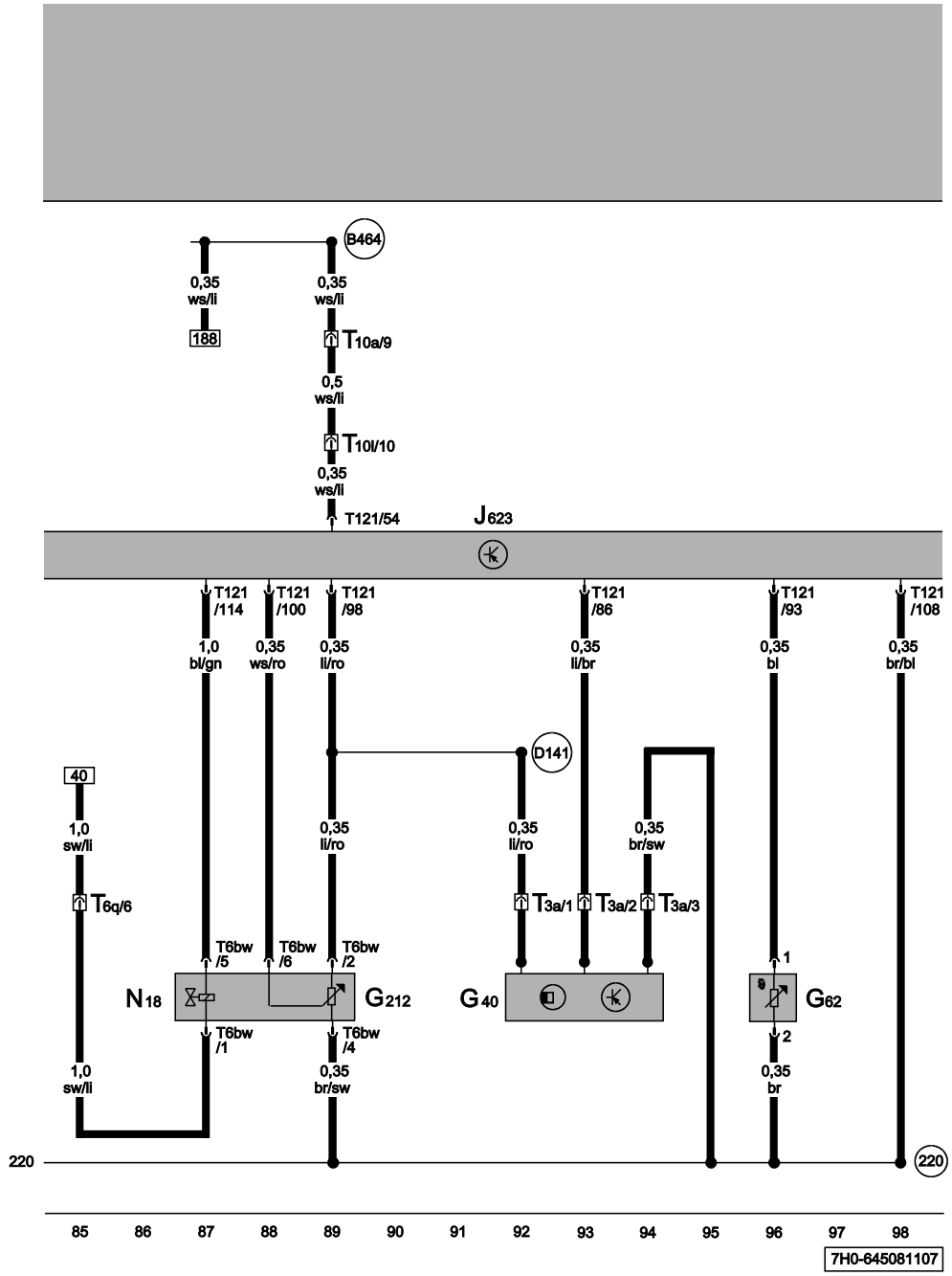


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Engine control unit, engine speed sender, knock sensors 1, knock sensors 2, cruise control system switch

E45	Cruise control system switch
G28	Engine speed sender
G61	Knock sensor 1
G66	Knock sensor 2
J623	Engine control unit
T2a	2-pin connector, black, on front of engine
T3b	3-pin connector, grey, on front of engine
T3d	3-pin connector, black, on front of engine
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T41	41-pin connector
T121	121-pin connector
139	Earth connection (sender earth), in Motronic wiring harness
220	Earth connection (sender earth), in engine wiring harness
B441	Connection (CCS), in main wiring harness
D124	Connection 22, in engine compartment wiring harness
*	for models with cruise control system only
<fo:exter	for models with Climatronic/ air conditioning system only ⇒
nal-	Current Flow Diagram for radiator fan

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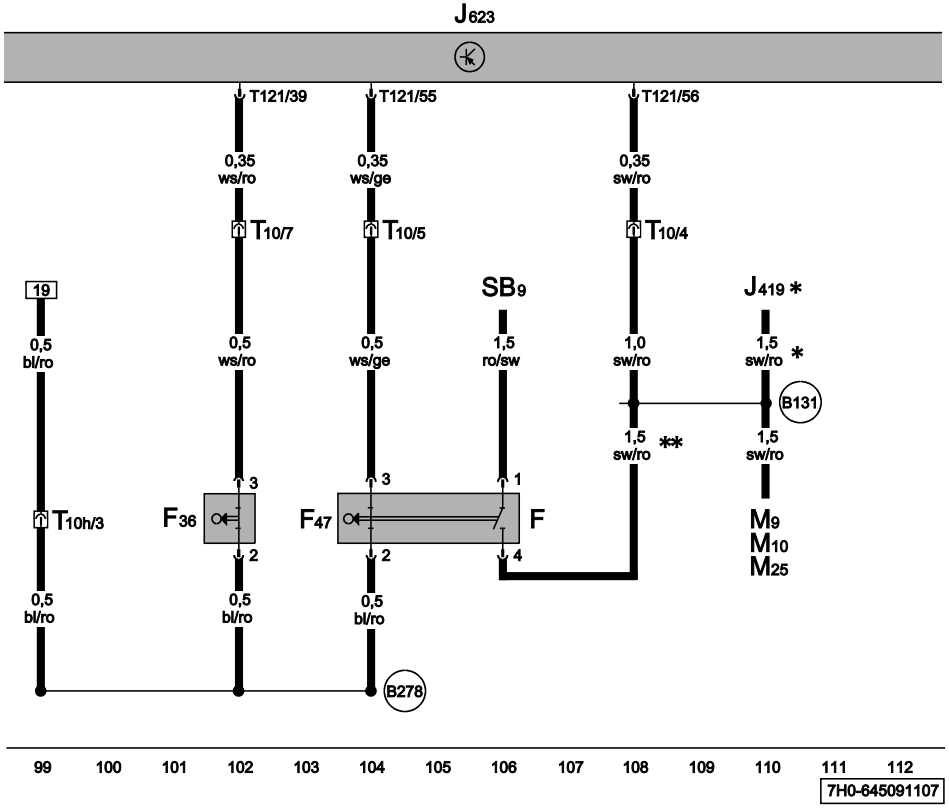


Engine control unit, Hall sender, exhaust gas recirculation potentiometer, exhaust gas recirculation valve, coolant temperature sender

G40	Hall sender
G62	Coolant temperature sender
G212	Exhaust gas recirculation potentiometer
J623	Engine control unit
N18	Exhaust gas recirculation valve
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
220	Earth connection (sender earth), in engine wiring harness
B464	Connection (speed signal), in main wiring harness
D141	Connection (5V), in engine wiring harness

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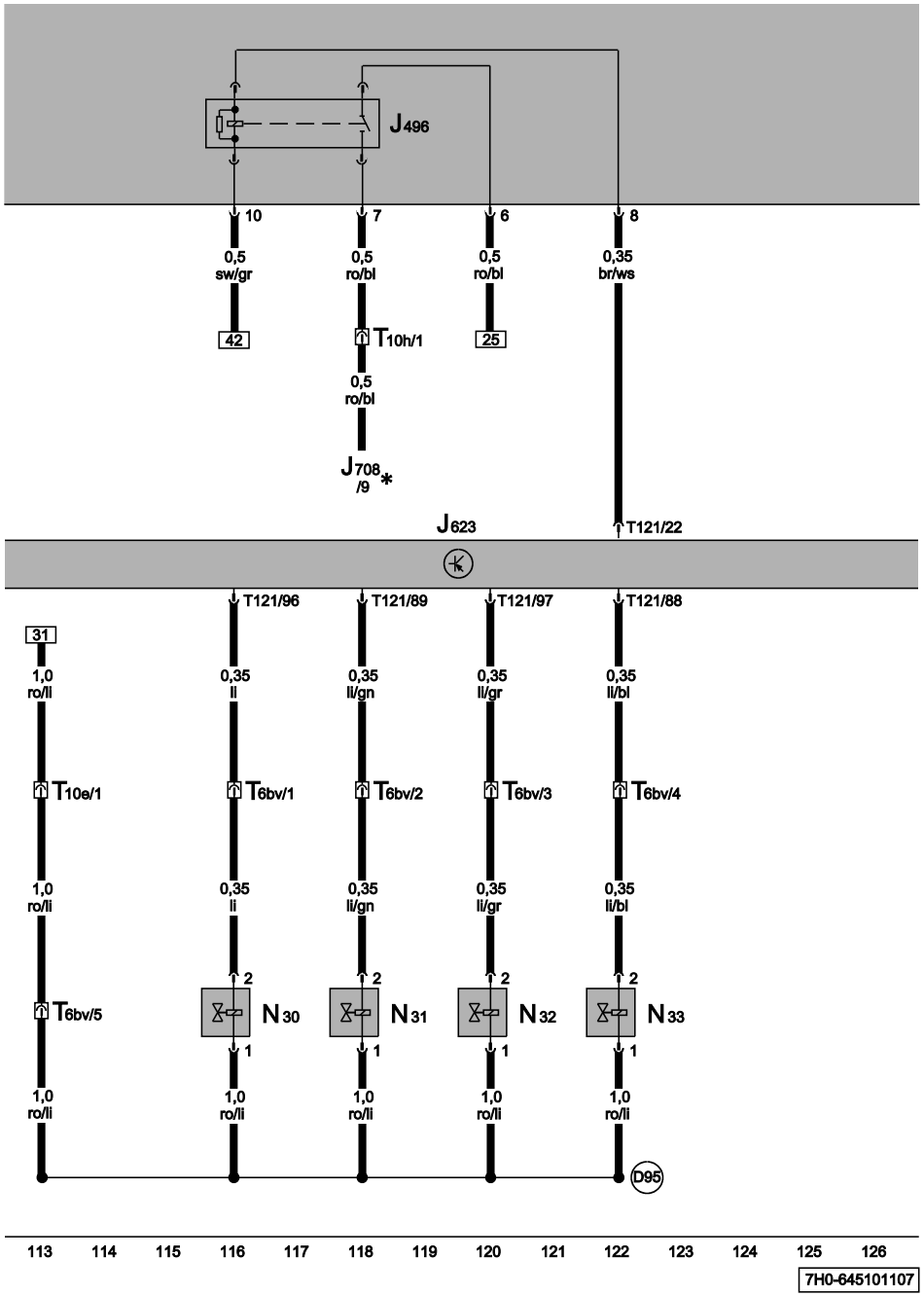




Engine control unit, brake light switch, clutch pedal switch

F	Brake light switch
F36	Clutch pedal switch
F47	Brake pedal switch
J419	Brake light additional relay
J623	Engine control unit
M9	Left brake light bulb
M10	Right brake light bulb
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B131	Connection (54), in interior wiring harness
B278	Positive connection 2 (15a), in main wiring harness
*	for models with ABS and ESP only ⇒ ABS Current Flow Diagram
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram

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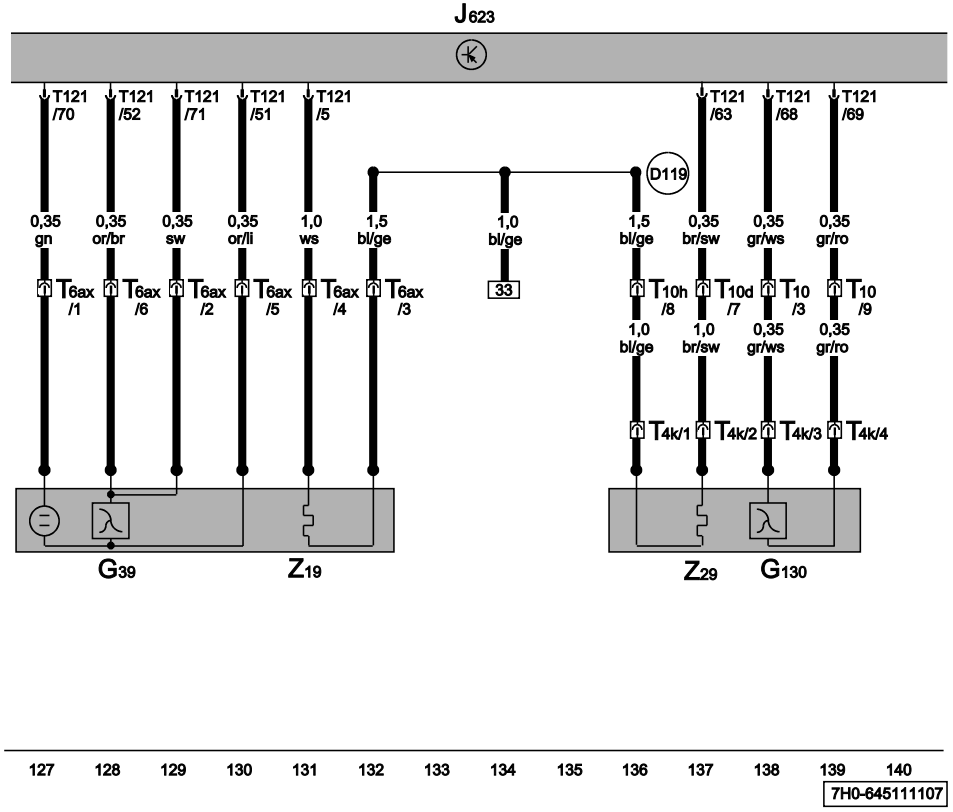
Engine control unit, injector, additional coolant pump relay

J496	Additional coolant pump relay
J623	Engine control unit
J708	Residual heat relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
T6bv	6-pin connector, black, near cylinder head
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
D95	Connection (injectors), in engine compartment wiring harness
*	⇒ auxiliary coolant heater Current Flow Diagram

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rs	=	pink

Engine control unit, lambda probes

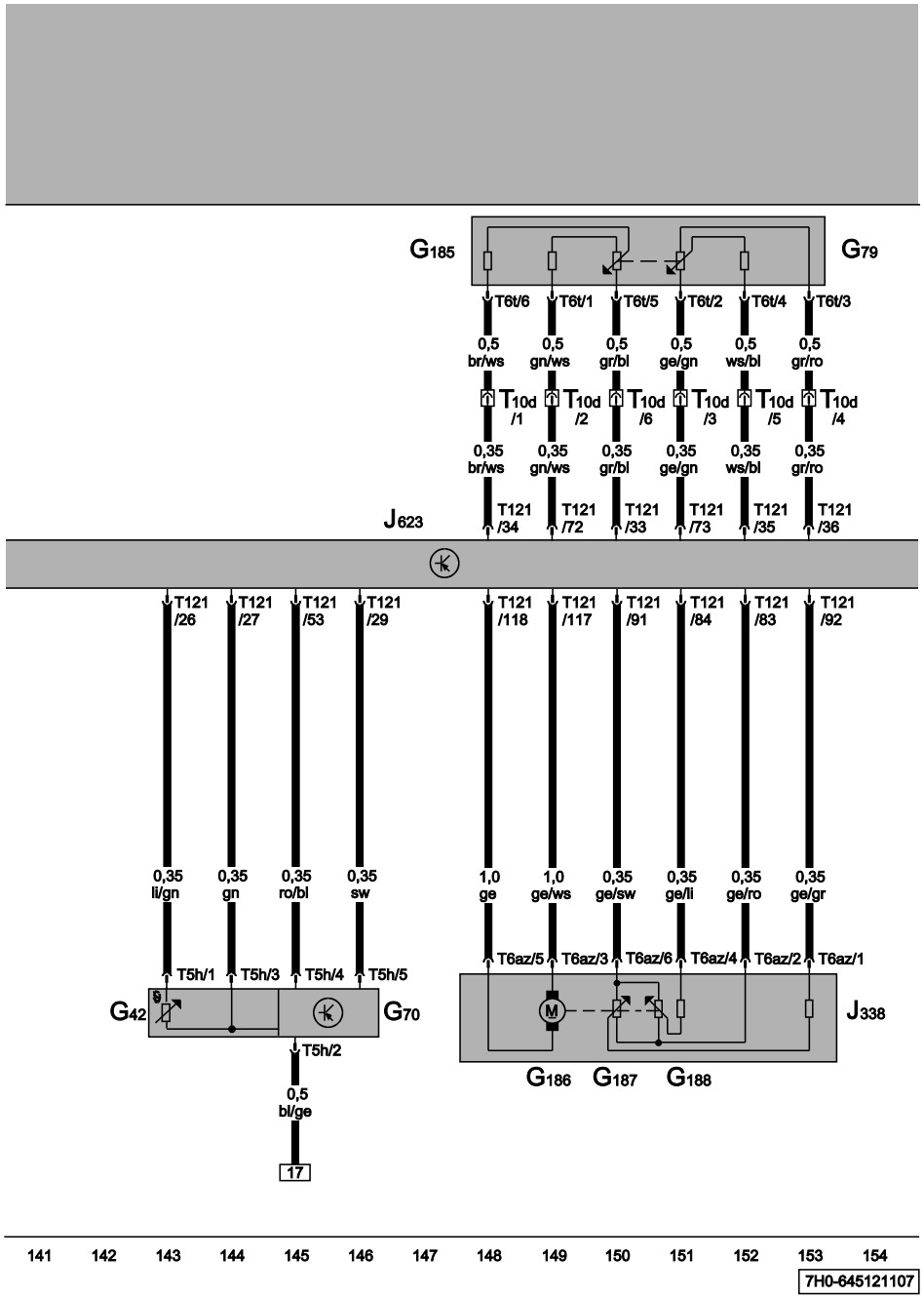
G39	Lambda probe
G130	Lambda probe after catalytic converter
J623	Engine control unit
T4k	4-pin connector, black
T6ax	6-pin connector, black, in right engine compartment
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
Z19	Lambda probe heater
Z29	Lambda probe 1 heater after catalytic converter
D119	Connection 17, in engine compartment wiring harness



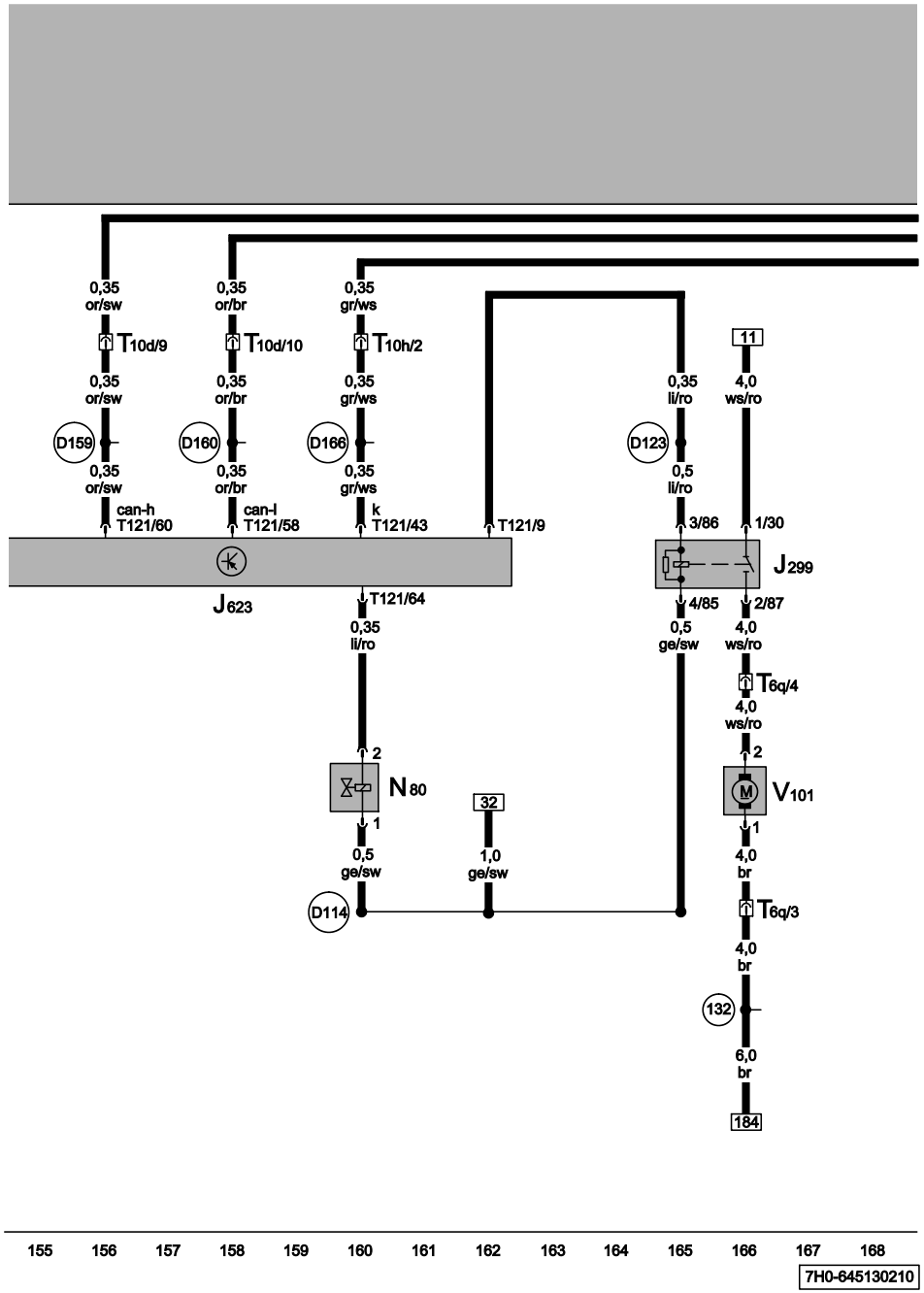
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rs = pink

Engine control unit, accelerator position sender, throttle valve module, air mass meter, intake air temperature sender

G42	Intake air temperature sender
G70	Air mass meter
G79	Accelerator position sender
G185	Accelerator position sender 2
G186	Throttle valve drive (electric power control)
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J623	Engine control unit
T5h	5-pin connector, brown
T6t	6-pin connector
T6az	6-pin connector
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T121	121-pin connector



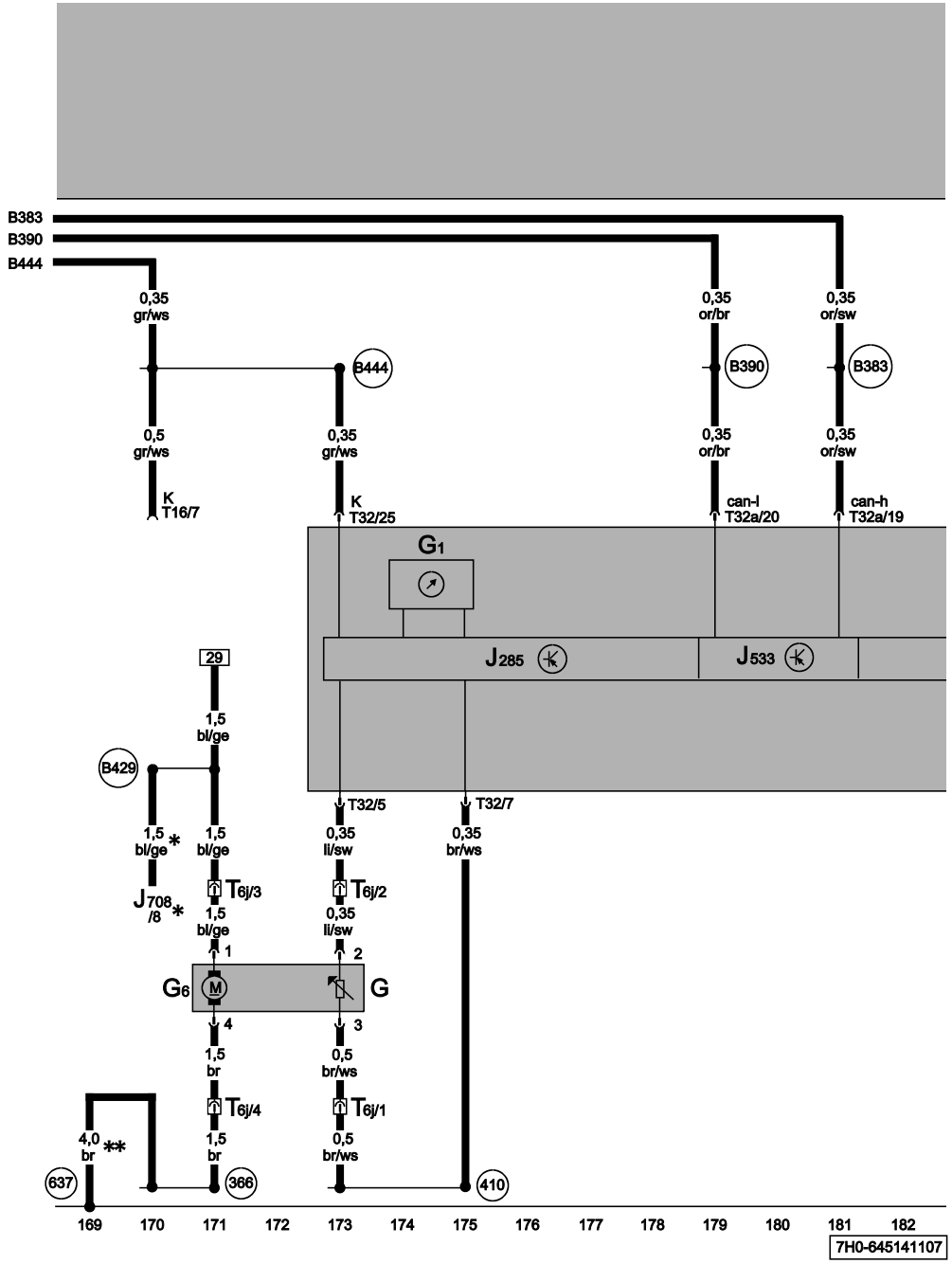
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or	=	orange
rs	=	pink



Engine control unit, secondary air pump relay, secondary air pump motor, active charcoal filter system solenoid valve 1

J299	Secondary air pump relay
J623	Engine control unit
N80	Activated charcoal filter system solenoid valve 1
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
V101	Secondary air pump motor
132	Earth connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
D123	Connection 21, in engine compartment wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness

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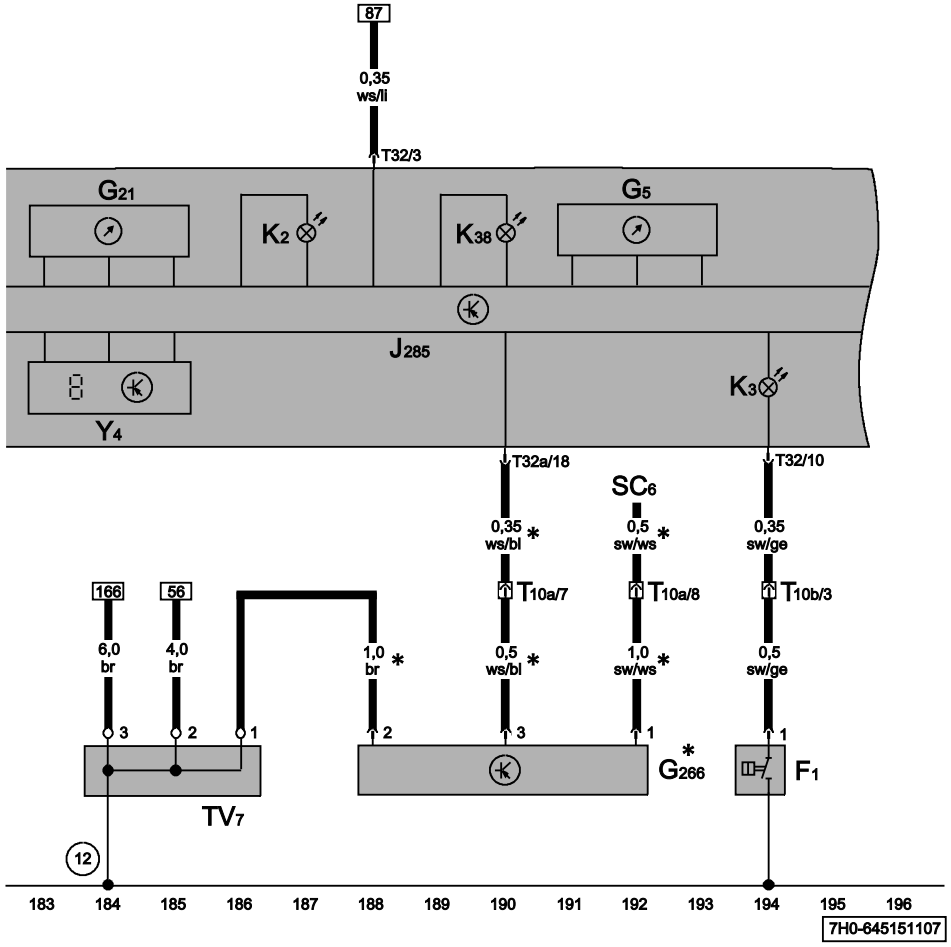
Control unit in dash panel insert, fuel gauge sender, fuel system pressurisation pump

G	Fuel gauge sender
G1	Fuel gauge
G6	Fuel system pressurisation pump
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
J708	Residual heat relay
T6j	6-pin connector, red, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B429	Connection (EFPR), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	depends on equipment ⇒ utilisation of residual heat/ auxiliary coolant heater Current Flow Diagram
**	Cross-section 6.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Control unit in dash panel insert, oil pressure switch, oil level and oil temperature sender, warning lamps

F1	Oil pressure switch
G5	Rev. counter
G21	Speedometer
G266	Oil level and oil temperature sender
J285	Control unit in dash panel insert
K2	Alternator warning lamp
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
Y4	Odometer display
12	Earth point, on left in engine compartment
*	for models with extended servicing intervals only



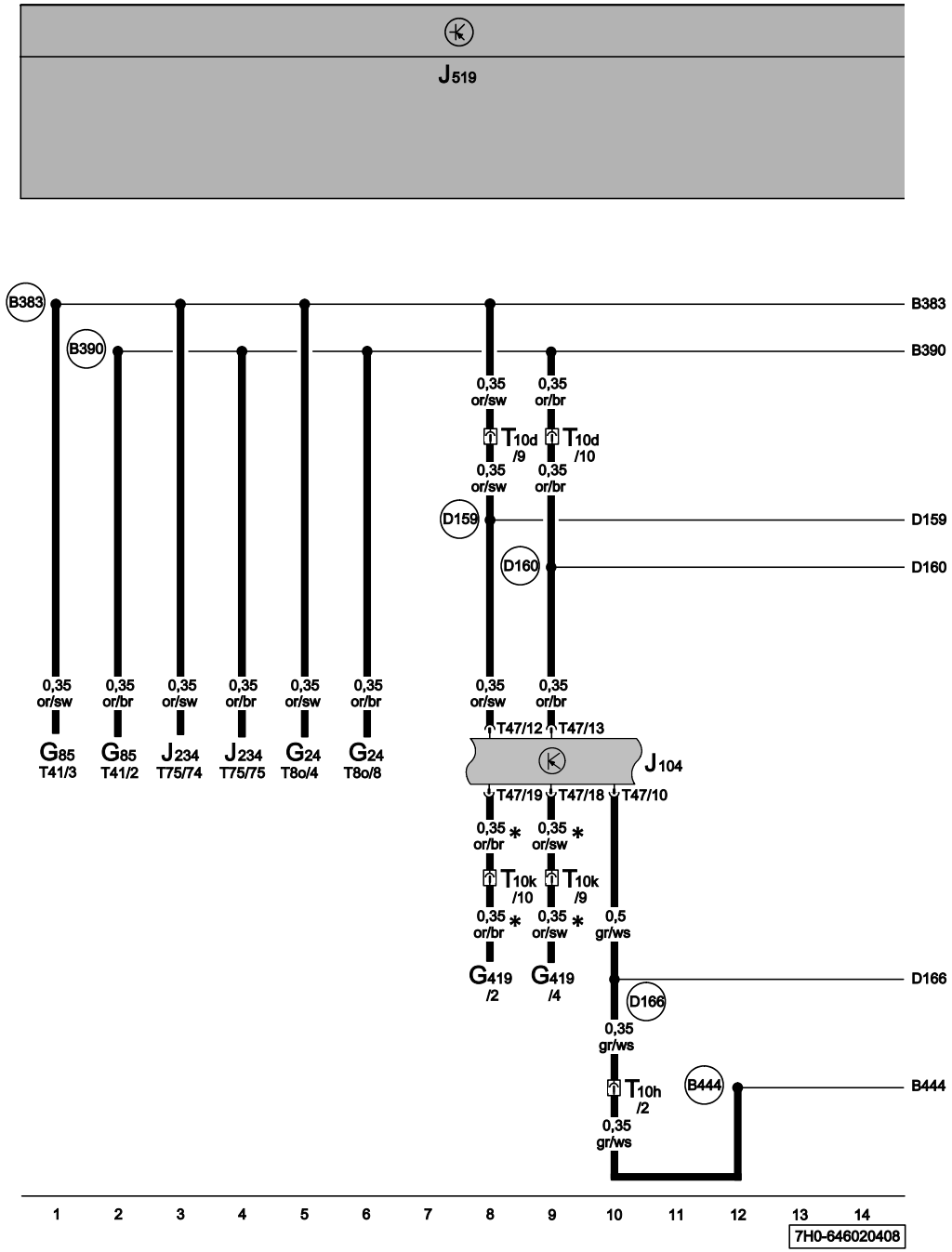
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or	=	orange
rs	=	pink

Data bus systems

⇒ **CAN bus**
⇒ **LIN-Bus**
⇒ **Diagnosis wiring**
from June 2006

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth points

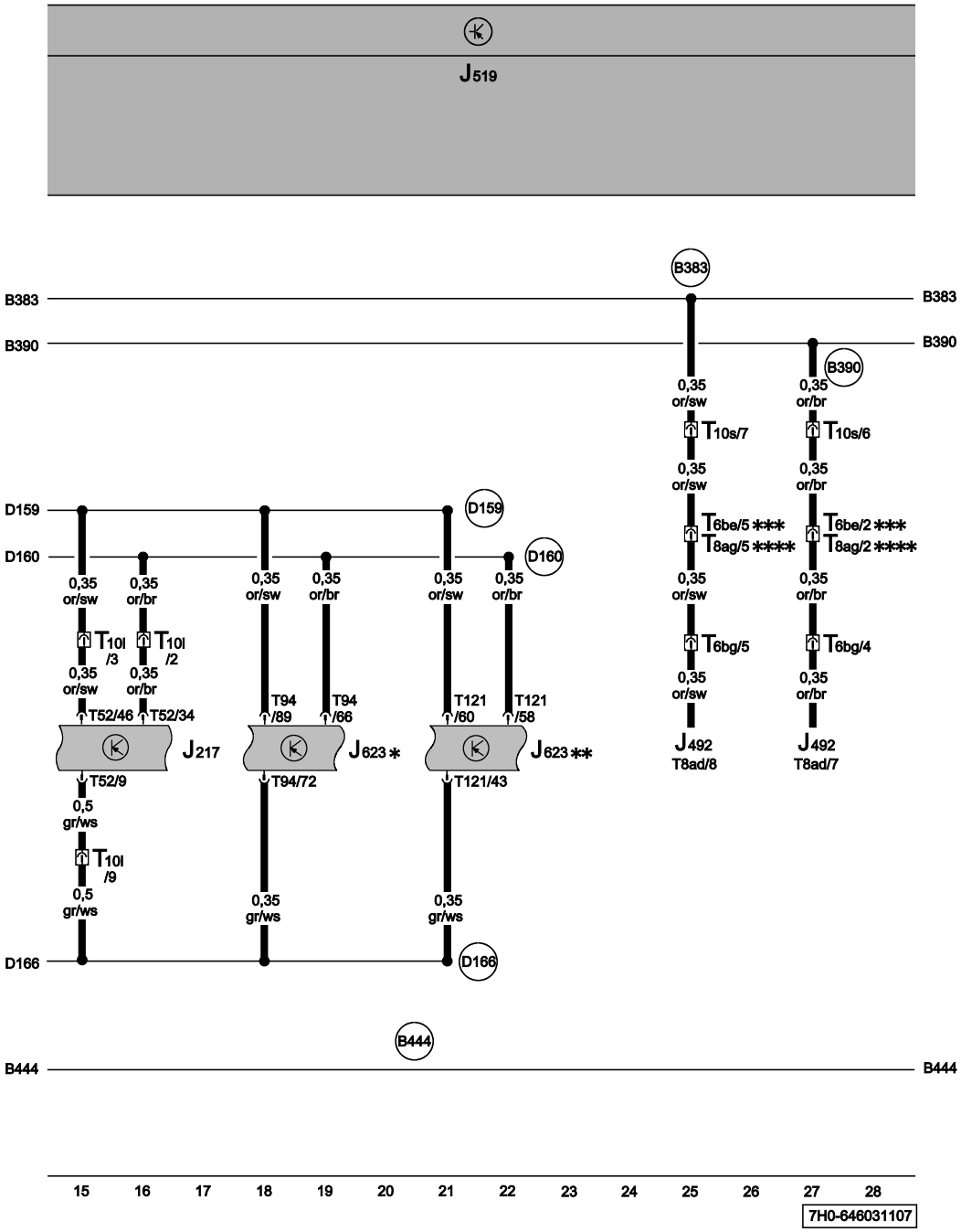
⇒ List of Fitting Locations!



ws = white
sw = black
ro = red
br = brown
gn = green
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Tachograph, steering angle sender, ABS control unit, ESP sensor unit, airbag control unit

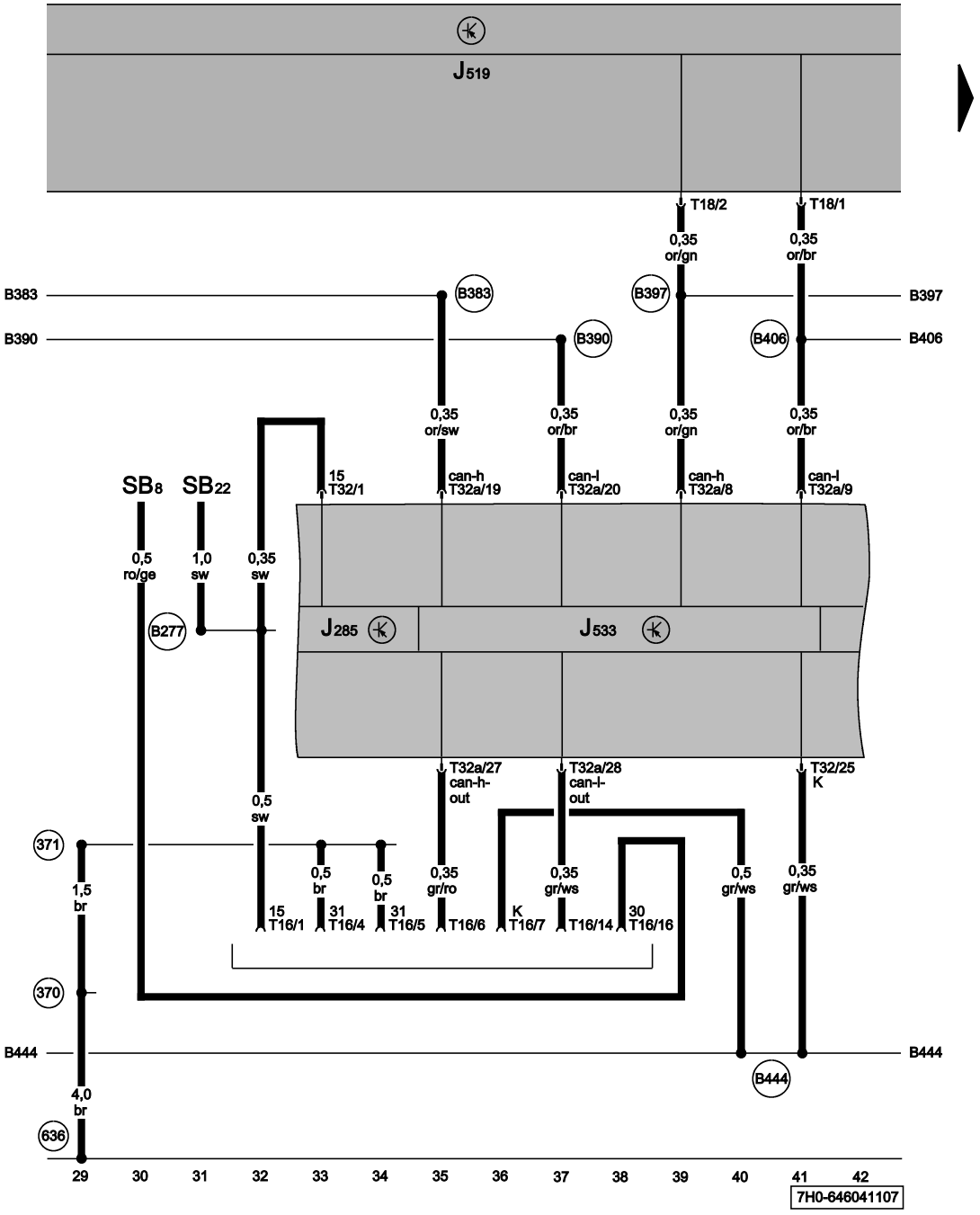
G24	Tachograph
G85	Steering angle sender
G419	ESP sensor unit
J104	ABS control unit
J234	Airbag control unit
J519	Onboard supply control unit
T8o	8-pin connector, white
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T41	41-pin connector
T47	47-pin connector
T75	75-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with ESP only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Automatic gearbox control unit, four-wheel drive control unit, engine control unit

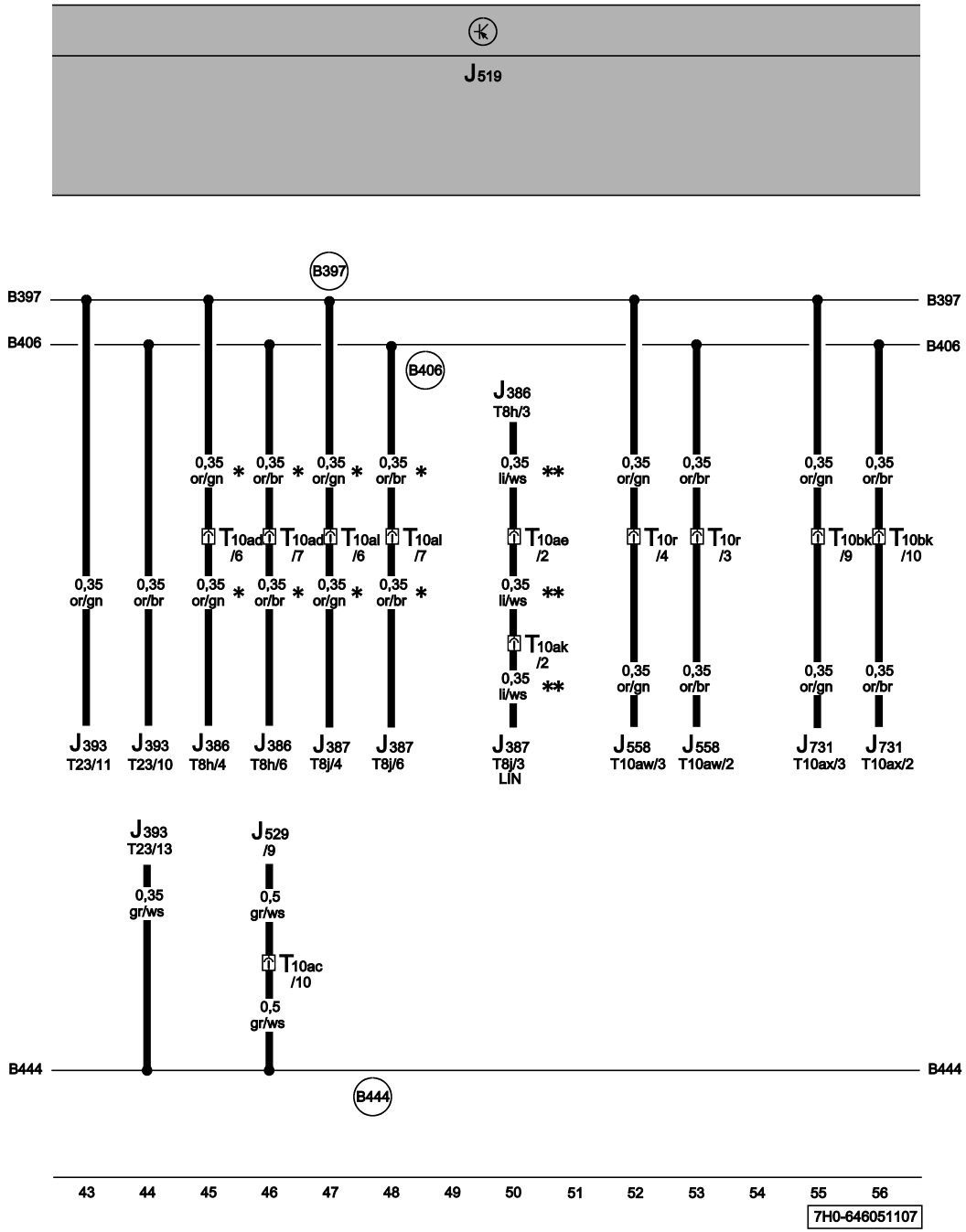
J217	Automatic gearbox control unit
J492	Four-wheel drive control unit
J519	Onboard supply control unit
J623	Engine control unit
T6be	6-pin connector, grey, coupling station on left of D-pillar
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T8ag	8-pin connector, black, coupling station left D-pillar
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10s	10-pin connector, brown, coupling station under driver seat
T52	52-pin connector
T94	94-pin connector
T121	121-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only
***	for multivan, box-type delivery van and hybrid vehicle only
****	for multivan, box-type delivery van and hybrid vehicle only, applicable from November 2006



ws = white
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Control unit in dash panel insert, onboard supply control unit, data bus diagnostic interface, diagnostic connector

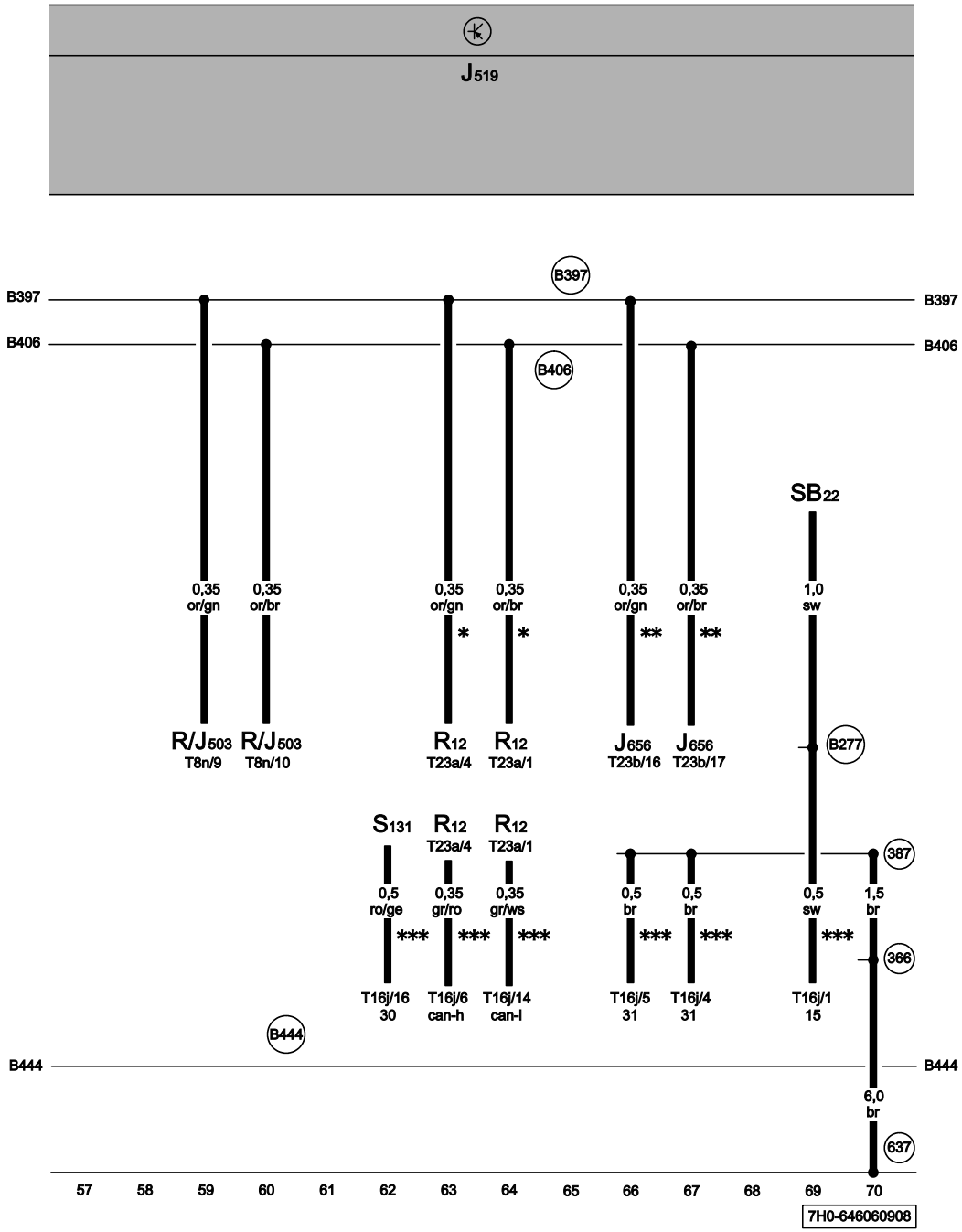
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SB8	Fuse 8 on fuse holder B
SB22	Fuse 22 on fuse holder B
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness



Door control units, convenience system central control unit, sliding door control unit,anti-theft and tilt system control unit

J386	Driver door control unit
J387	Front passenger door control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
T8h	8-pin connector
T8j	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10aw	10-pin connector
T10ax	10-pin connector
T10bk	10-pin connector, grey, coupling station under front passenger seat
T23	23-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	applicable up to July 2006
**	applicable from August 2006

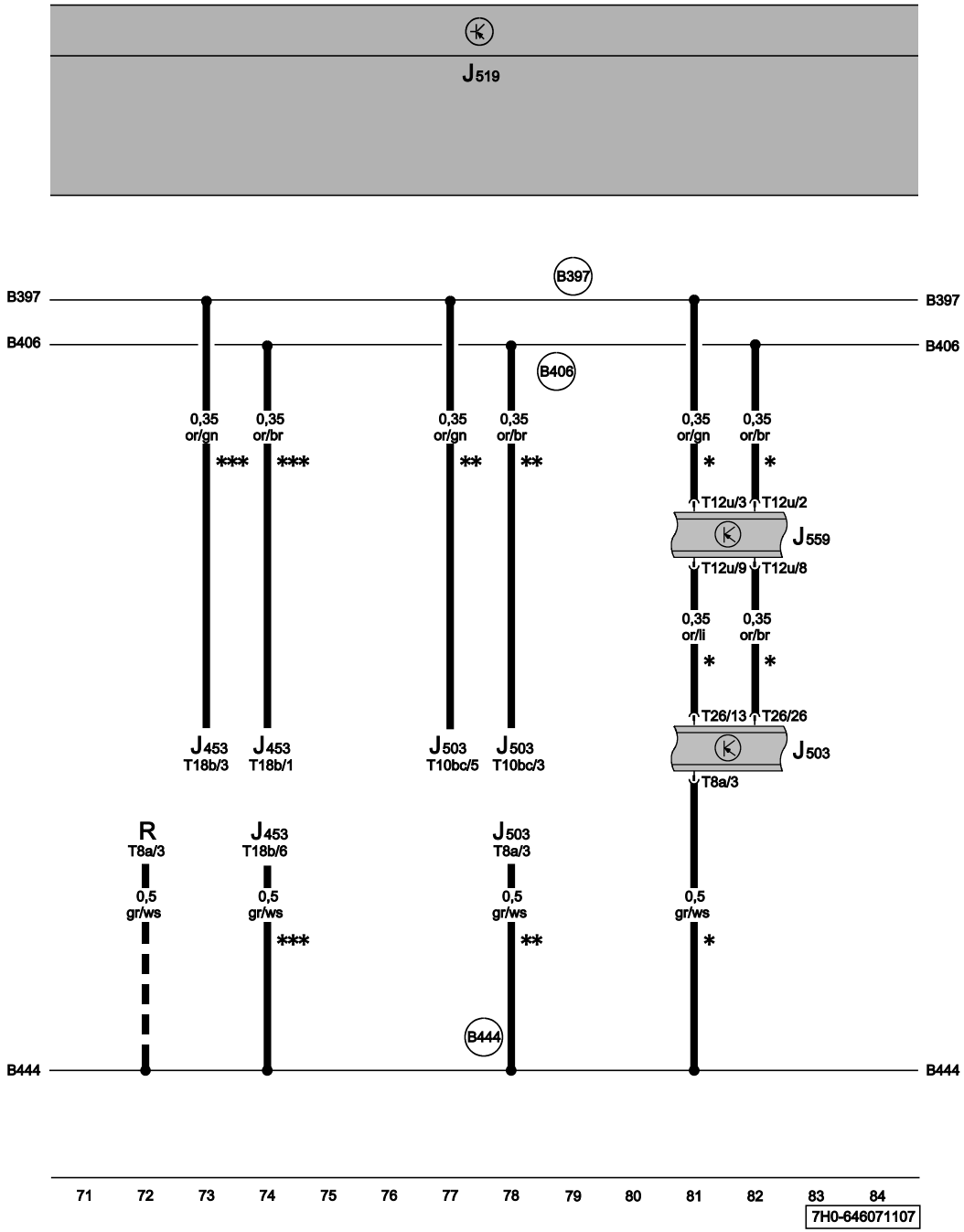
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



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Control unit with display for radio and navigation system, voice amplification control unit, radio, amplifier, diagnostic connector 2

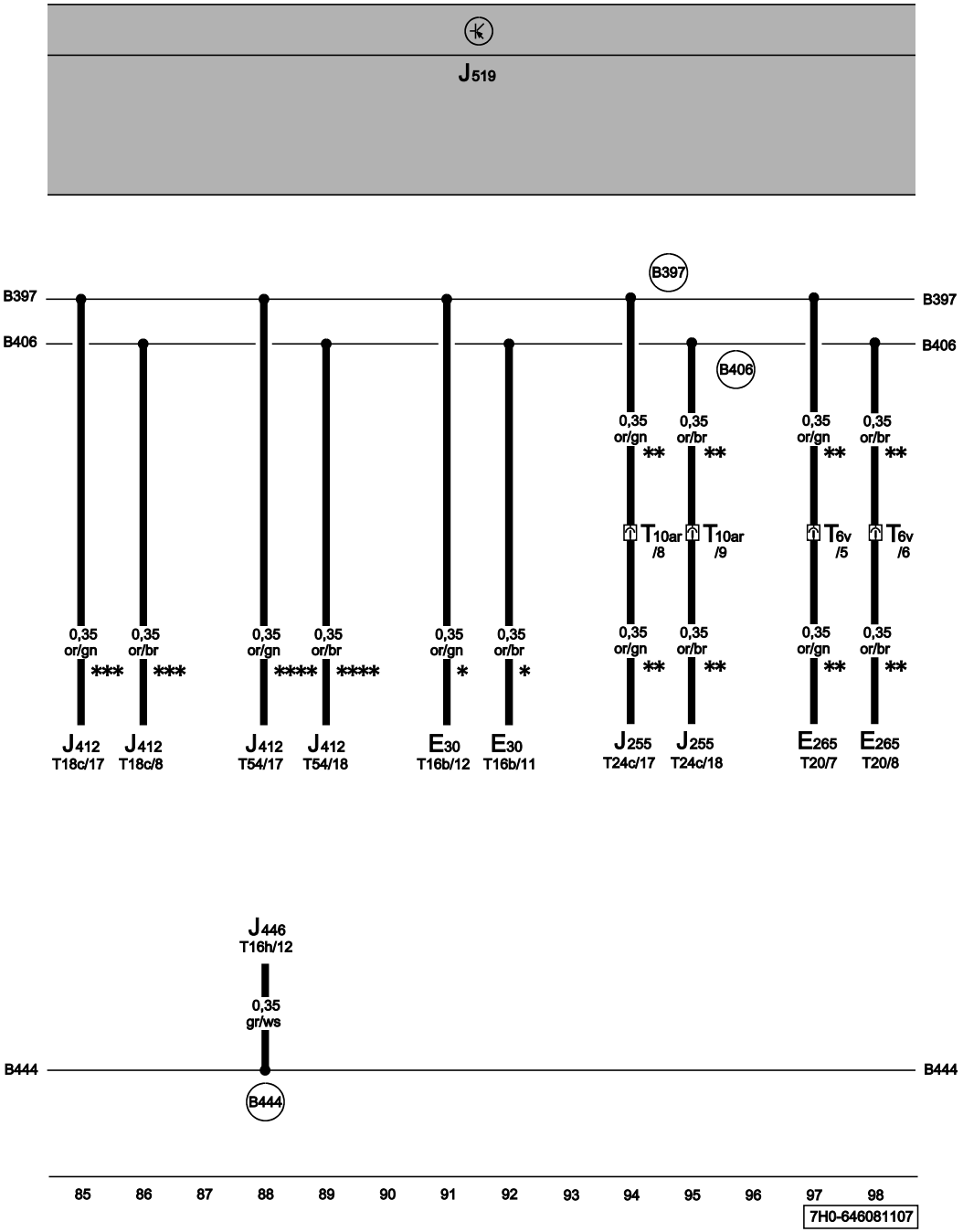
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SB22	Fuse 22 on fuse holder B
T8n	8-pin connector
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
T23a	23-pin connector, red
T23b	23-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sound package or voice amplification only (9VK/VX2)
**	for models with voice amplification only (VX2)
***	for models with digital sound package only (9VE)



ws = white
sw = black
ro = red
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gn = green
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Multifunction steering wheel control unit, control unit with display for radio and navigation system, traffic information control unit, radio

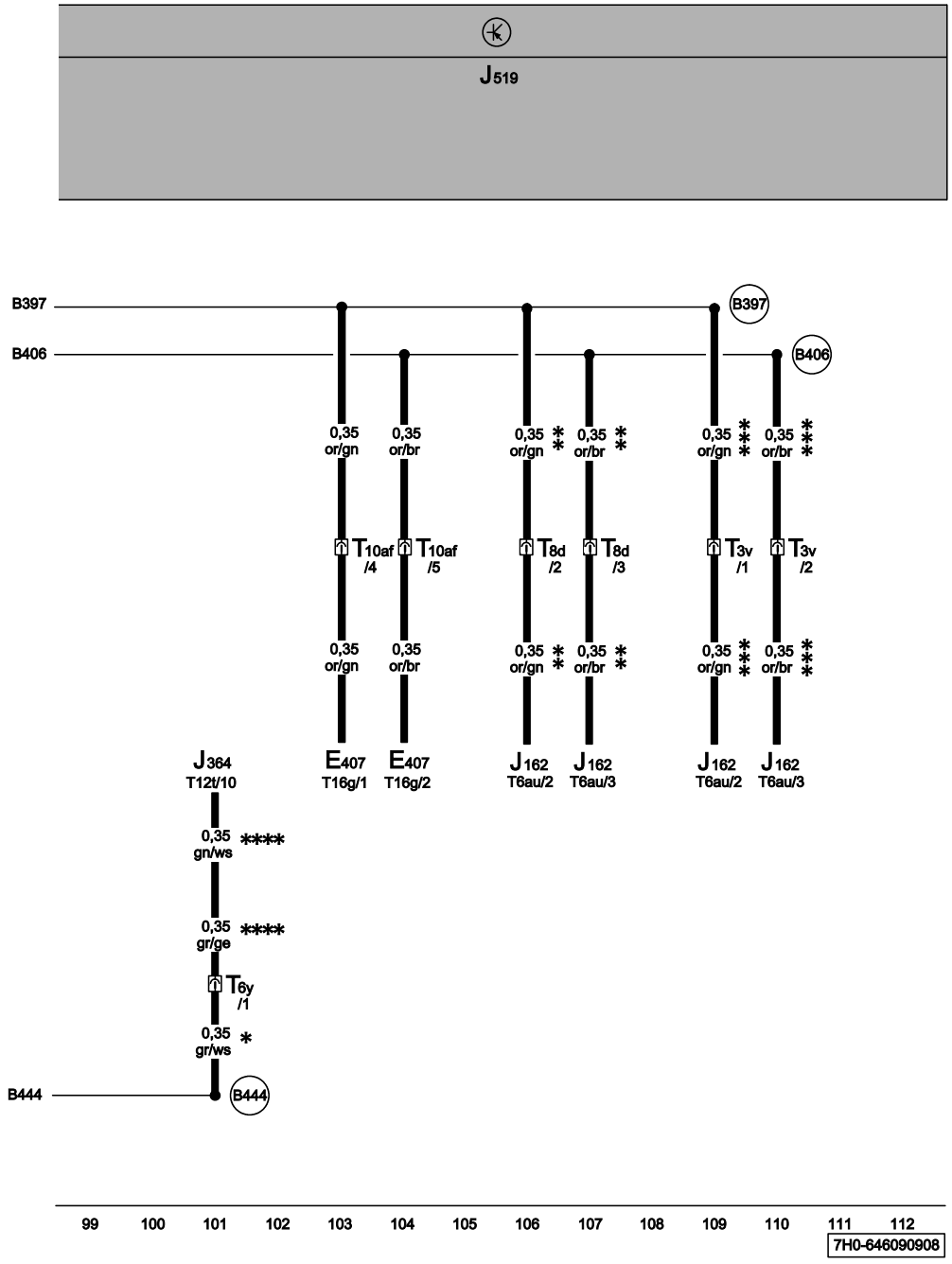
J453	Multifunction steering wheel control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R	Radio
T8a	8-pin connector, black
T10bc	10-pin connector, red
T12u	12-pin connector, black
T18b	18-pin connector, black
T26	26-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with radio navigation system and traffic information evaluation only (7Q7)
**	for models with radio and navigation system with black/white-display only (7Q5)
***	for models with multifunction display only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models with preparation for radio only



Air conditioning system switch, rear Climatronic operating and display unit, Climatronic control unit, mobile telephone operating electronics control unit, parking aid control unit

E30	Air conditioning system switch
E265	Operating and display unit for rear Climatronic
J255	Climatronic control unit
J412	Mobile telephone operating electronics control unit
J446	Parking aid control unit
J519	Onboard supply control unit
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove compartment
T16b	16-pin connector, black
T16h	16-pin connector, brown
T18c	18-pin connector, VDA connection for interface box
T20	20-pin connector
T24c	24-pin connector, brown
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with air conditioning system and engine codes AXD, AXE, BLJ, BNZ and BPC only
**	for models with Climatronic only
***	for models with mobile telephone operating electronics control unit only, applicable up to October 2007
****	for models with mobile telephone operating electronics control unit only, applicable from November 2007

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater operating and display unit, heater control unit, auxiliary heater control unit

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J364	Auxiliary heater control unit
J519	Onboard supply control unit
T3v	3-pin connector, black, on underbody, next to the auxiliary heater
T6y	6-pin connector, blue, coupling station under front passenger seat
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with auxiliary air heater only
**	for models with auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D only
***	for models with auxiliary coolant heater (auxiliary heater) only
****	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Climatronic

from November 2007

Notes:

For information concerning

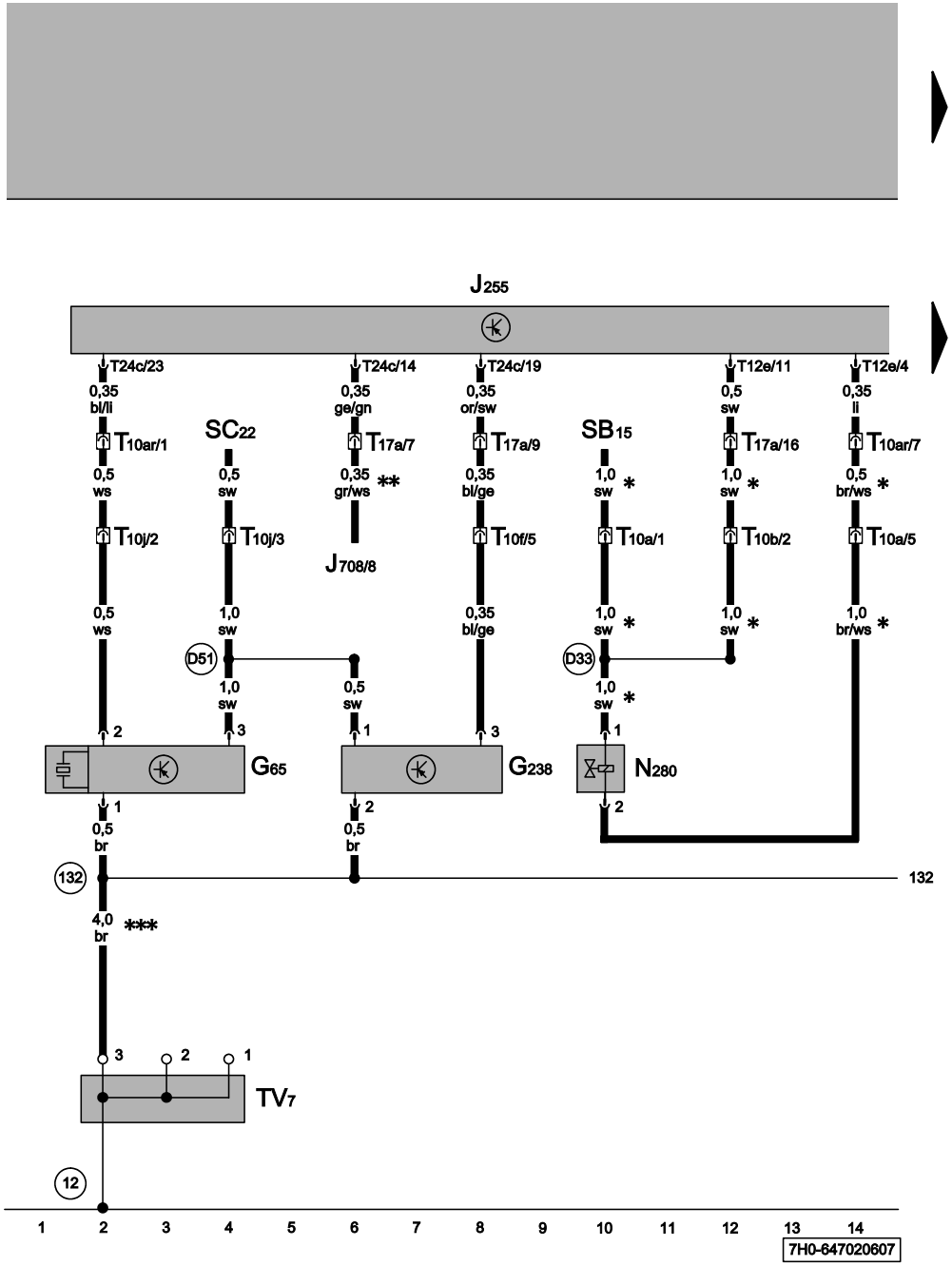
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

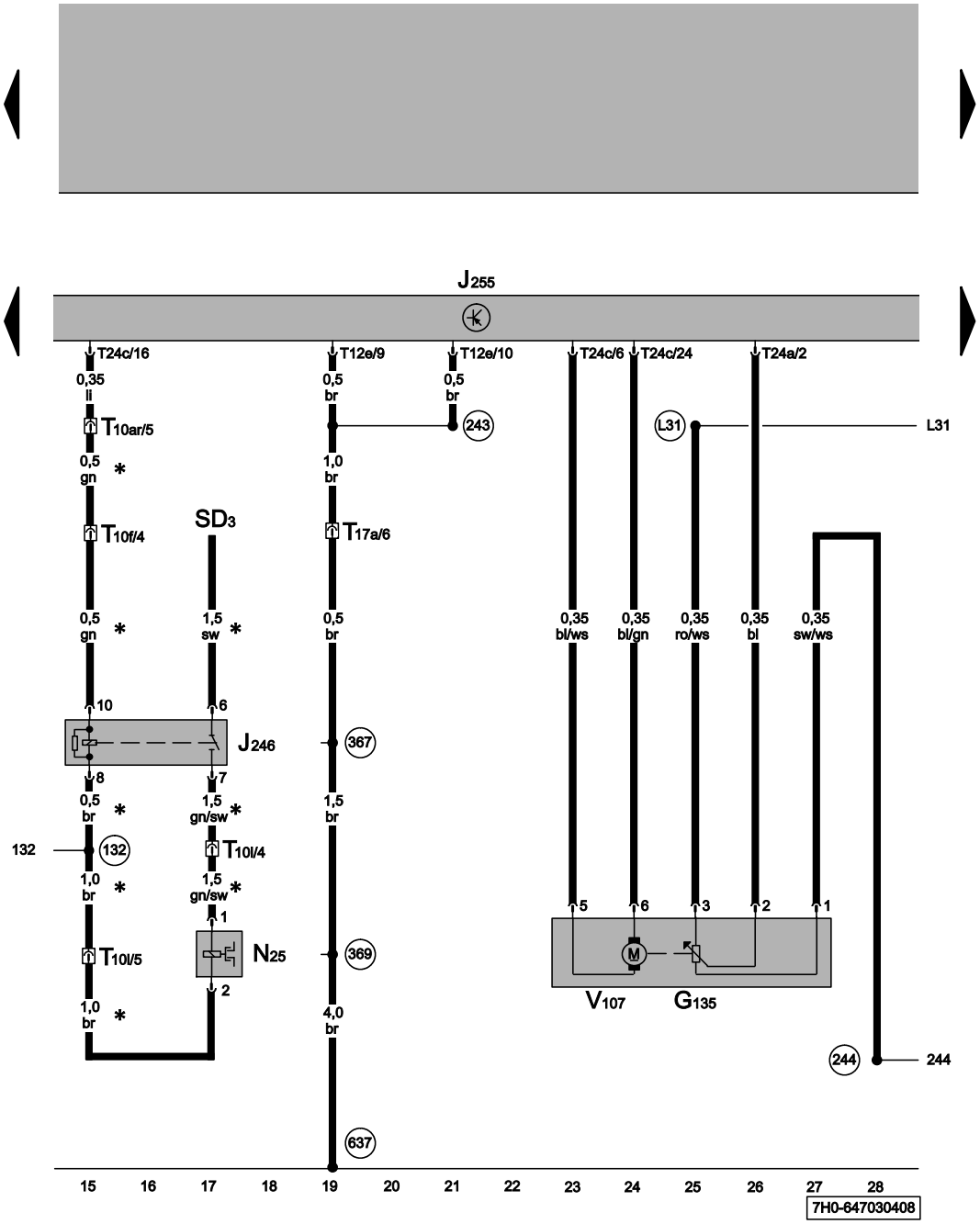
⇒ guided fault finding



ws = white
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Climatronic control unit, high-pressure sender, air quality sensor, compressor regulating valve, air conditioning system

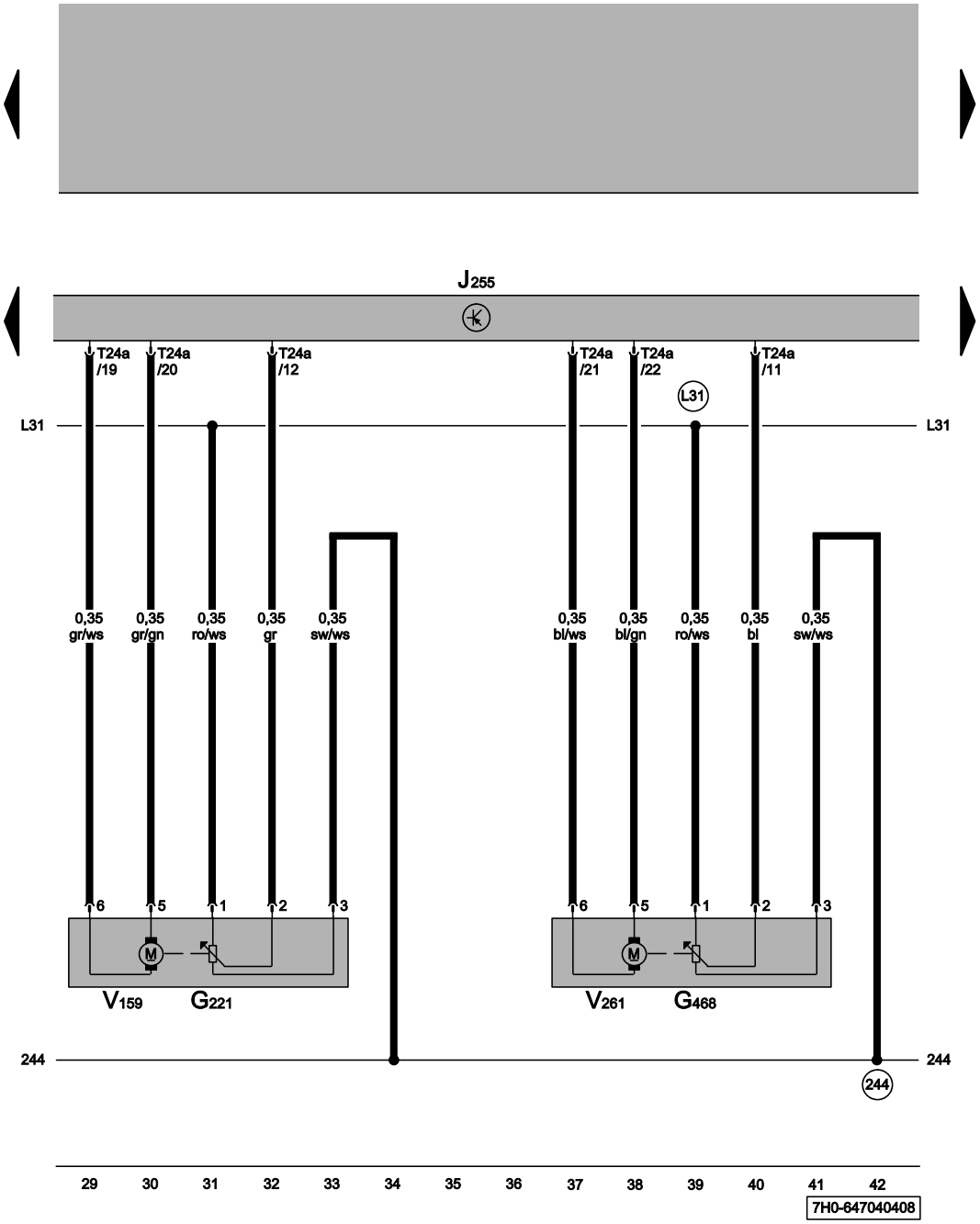
G65	High pressure sender
G238	Air quality sensor
J255	Climatronic control unit
J708	Residual heat relay
N280	Air conditioning system compressor regulating valve
SB15	Fuse 15 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
D33	Positive connection 2 (15), in engine wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
**	function heater support when driving ⇒ auxiliary coolant heating Current Flow Diagram.
***	cross-section depends on equipment



ws = white
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Climatronic control unit, cut-out relay for air conditioning system magnetic coupling, air conditioning system magnetic clutch, defroster flap control motor potentiometer

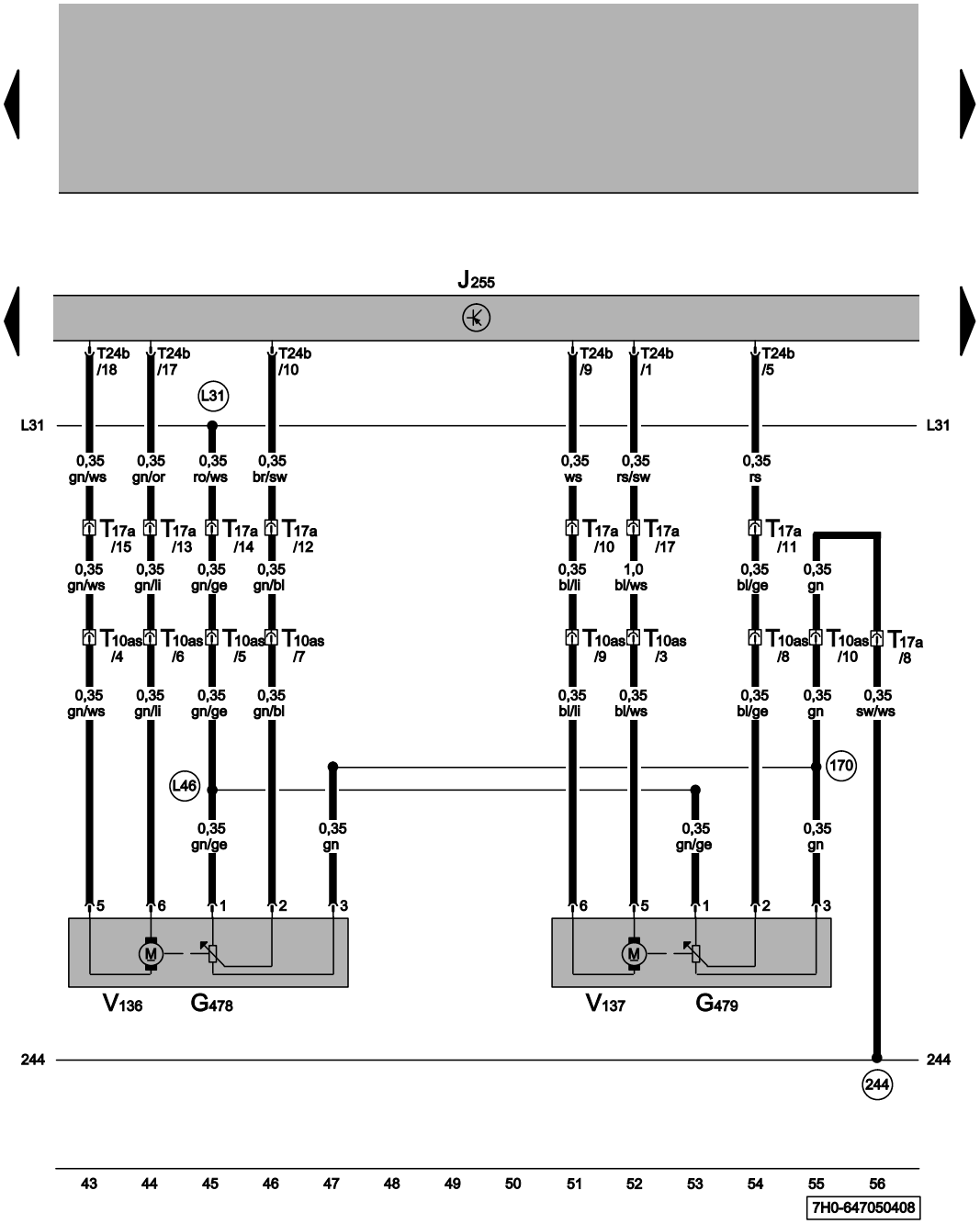
G135	Defroster flap control motor potentiometer
J246	Cut-out relay for air conditioning system magnetic coupling
J255	Climatronic control unit
N25	Air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24a	24-pin connector, black
T24c	24-pin connector, brown
V107	Defroster flap control motor
132	Earth connection 3, in engine compartment wiring harness
243	Earth connection 1, in Climatronic wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
L31	Connection (5V), in air conditioning system wiring harness
*	not for models with engine codes AXD, AXE, BLJ, BNZ and BPC only



Climatronic control unit, potentiometer for right temperature flap control motor, potentiometer for footwell vent control motor

G221	Potentiometer for right temperature flap control motor
G468	Potentiometer for footwell vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
V159	Right temperature flap control motor
V261	Footwell flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

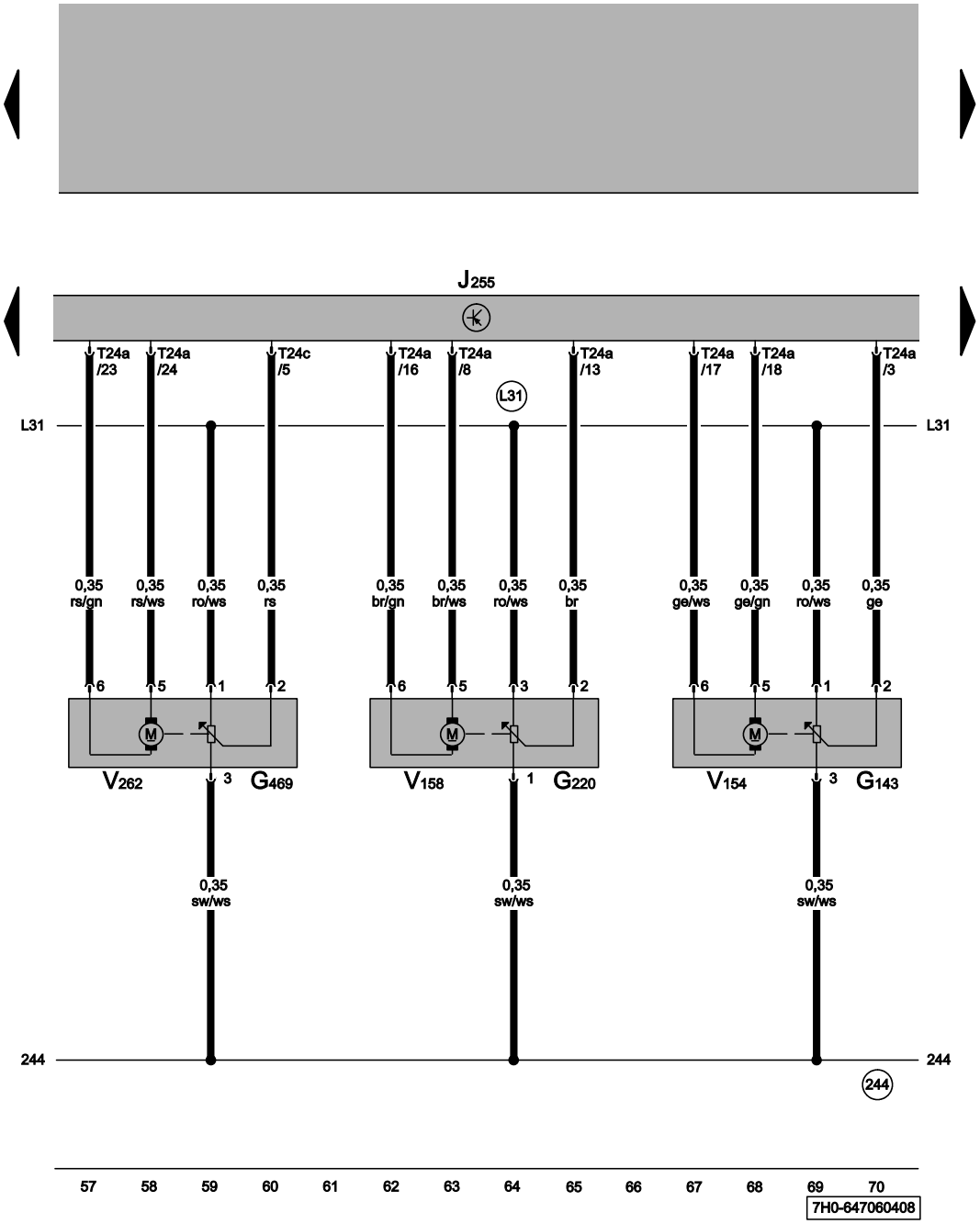
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
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gn = green
bl = blue
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Climatronic control unit, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

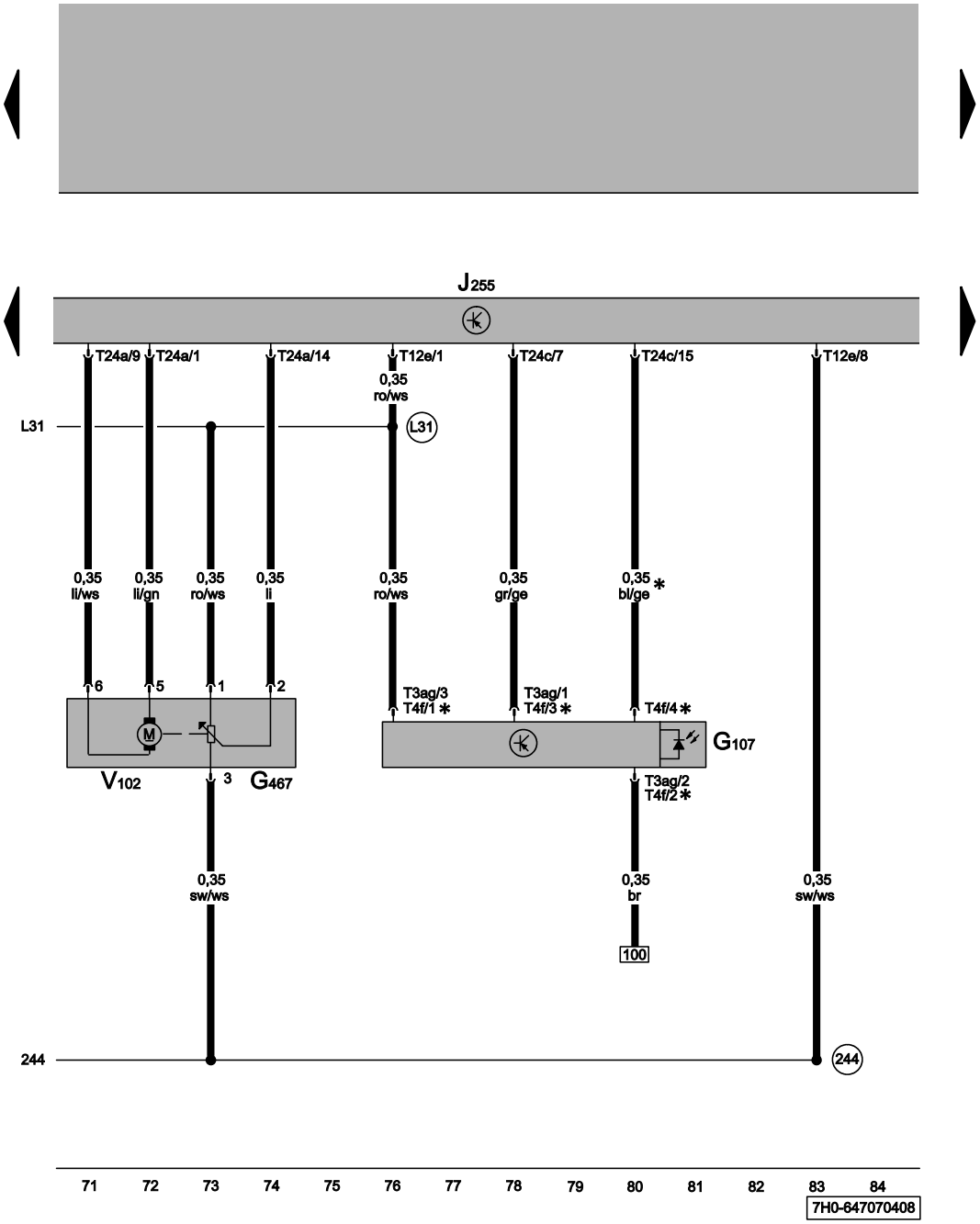
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J255	Climatronic control unit
T10as	10-pin connector, yellow, coupling station under front passenger seat
T17a	17-pin connector, black, behind the glove compartment
T24b	24-pin connector, red
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness



Climatronic control unit, air recirculation flap potentiometer and control motor, left temperature flap potentiometer and control motor, side vent potentiometer and control motor

G143	Air recirculation flap control motor potentiometer
G220	Potentiometer for left temperature flap control motor
G469	Potentiometer for side vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
T24c	24-pin connector, brown
V154	Fresh air/recirculated air flap control motor
V158	Left temperature flap control motor
V262	Side vent control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

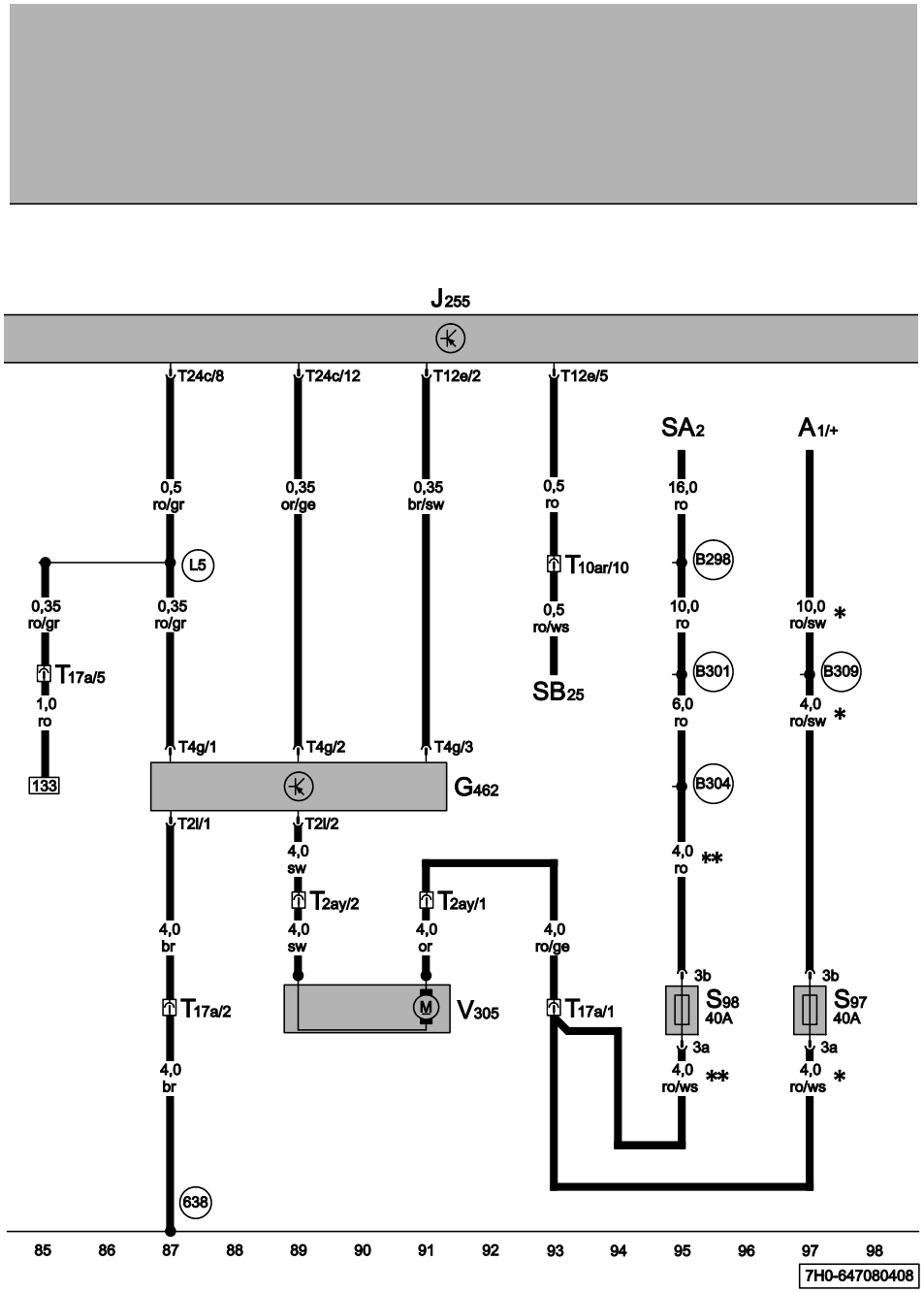
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, sunlight penetration photosensor, centre vent potentiometer and control motor

G107	Sunlight penetration photosensor
G467	Potentiometer for centre vent control motor
J255	Climatronic control unit
T3ag	3-pin connector, black
T4f	4-pin connector, black
T12e	12-pin connector, black
T24a	24-pin connector, black
T24c	24-pin connector, brown
V102	Central vents control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	For Multivan only

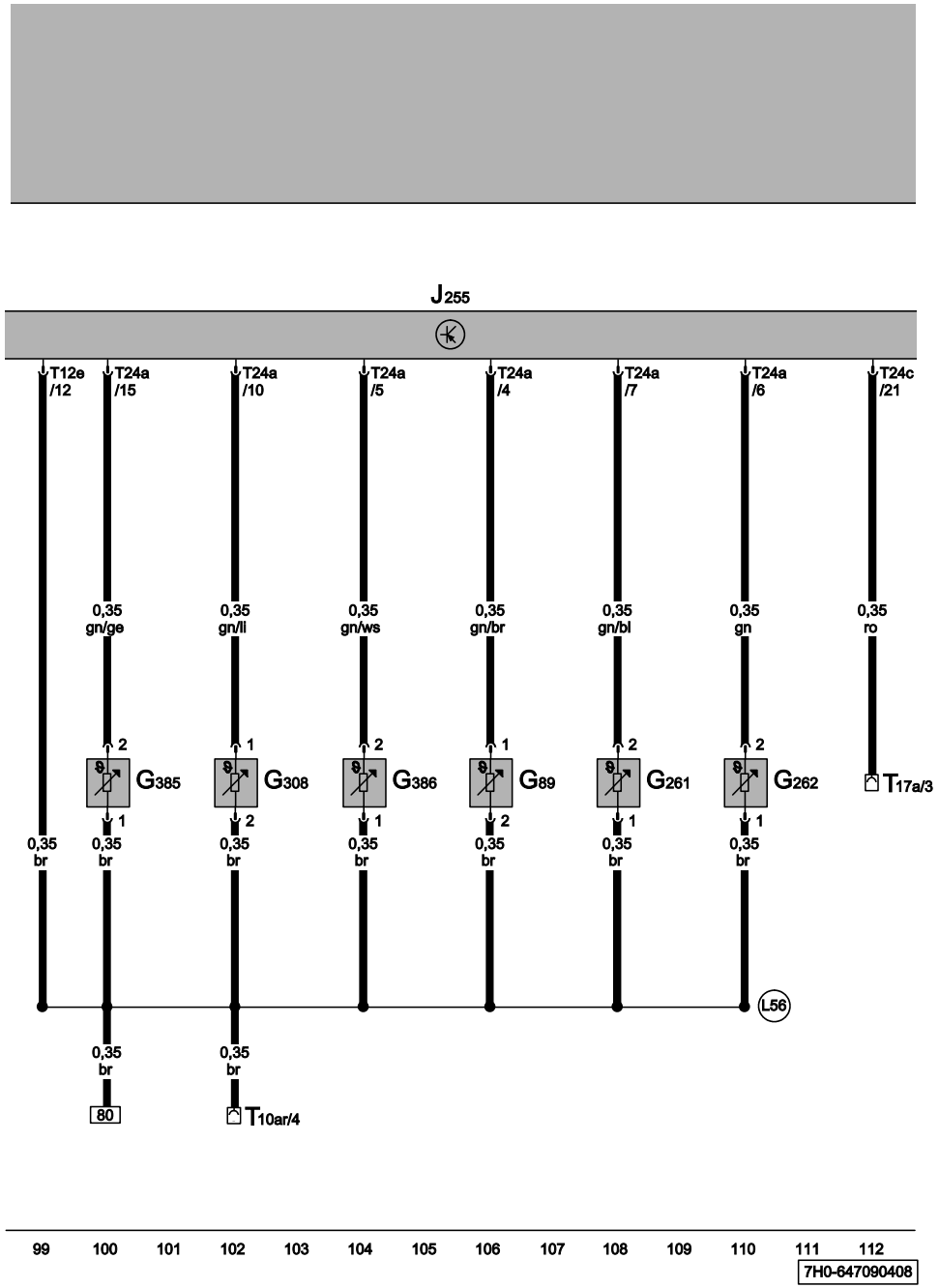
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Climatronic control unit, sender for front Bitron blower regulation, fresh air blower fuse, blower regulation motor

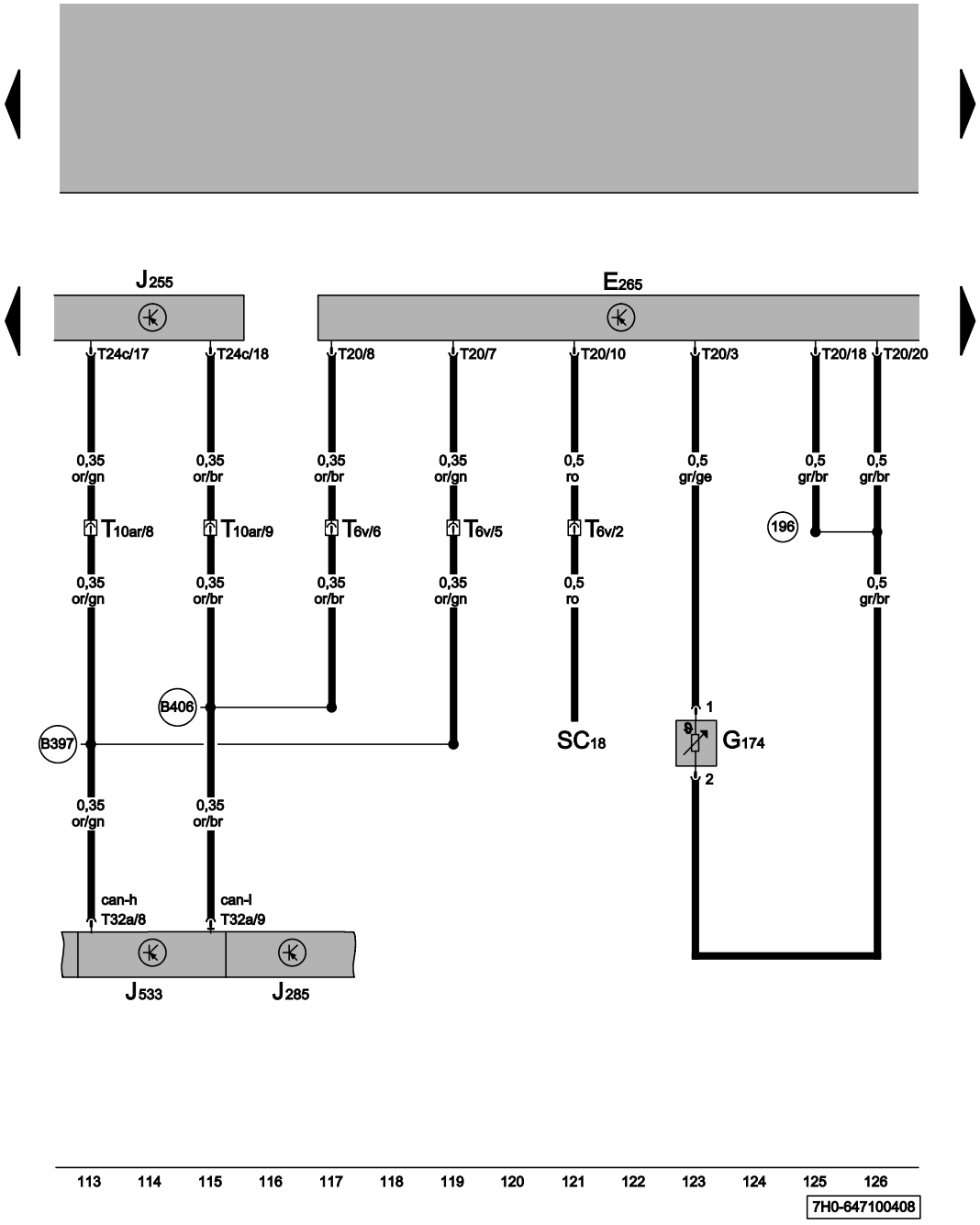
A1	Second battery
G462	Front blower Bitron regulation sender
J255	Climatronic control unit
S97	Fresh air blower fuse 1
S98	Fresh air blower fuse 2
SA2	Fuse 2 on fuse holder A
SB25	Fuse 25 on fuse holder B
T2l	2-pin connector, black
T2ay	2-pin connector, black
T4g	4-pin connector, black
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V305	Front blower Bitron regulation motor
638	Earth point, right A-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only



Climatronic control unit, fresh air intake duct temperature sensor, footwell vent temperature sender, evaporator temperature sensor, chest vent temperature sensor

G89	Fresh air intake duct temperature sensor
G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G308	Evaporator temperature sensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
J255	Climatronic control unit
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24a	24-pin connector, black
T24c	24-pin connector, brown
L56	Connection (sender), in Climatronic wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



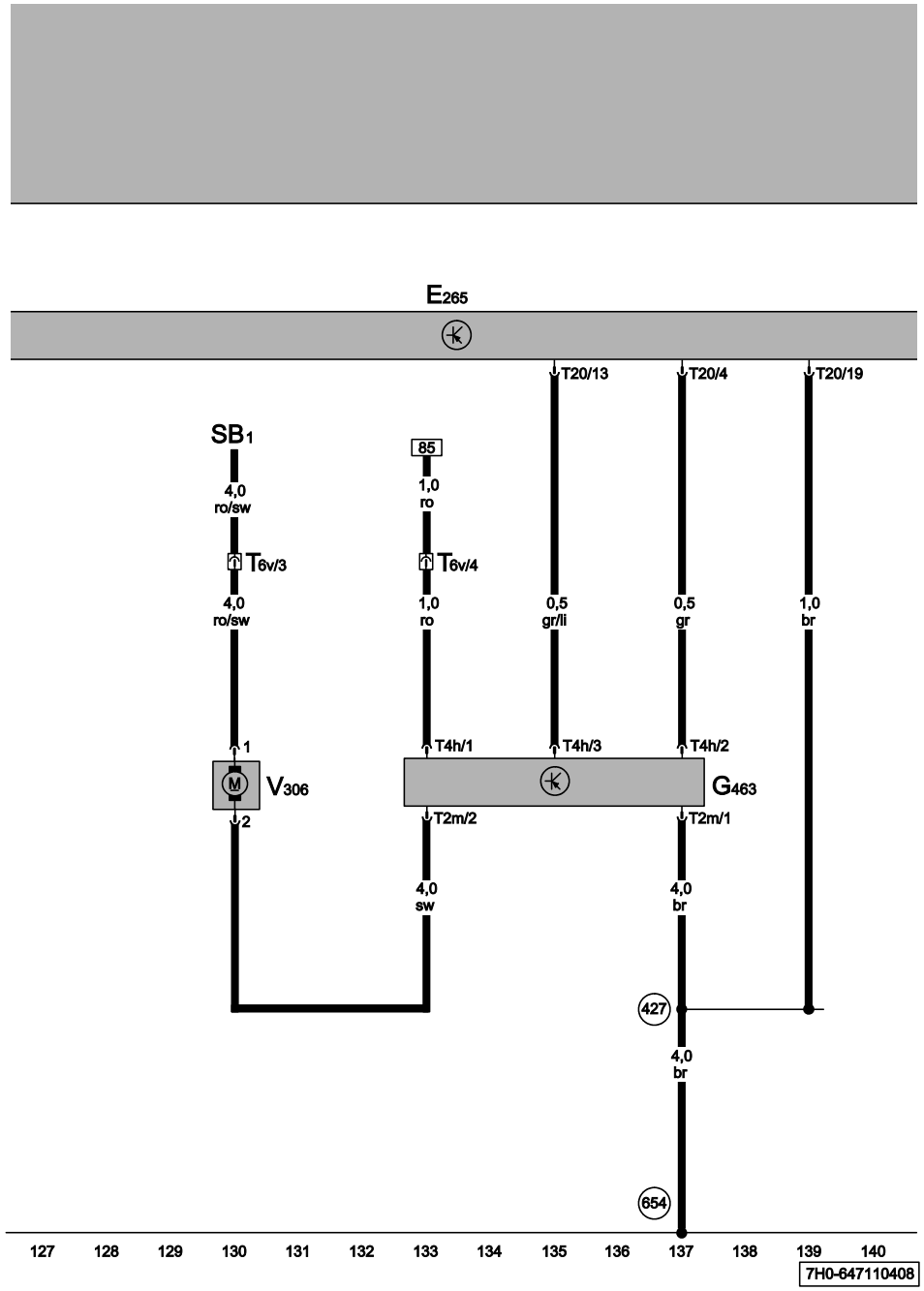
Climatronic control unit, rear Climatronic operating and display unit, rear vent temperature sender

E265	Operating and display unit for rear Climatronic
G174	Rear vent temperature sender
J255	Climatronic control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove compartment
T20	20-pin connector
T24c	24-pin connector, brown
T32a	32-pin connector, green
196	Earth connection 3, in rear wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

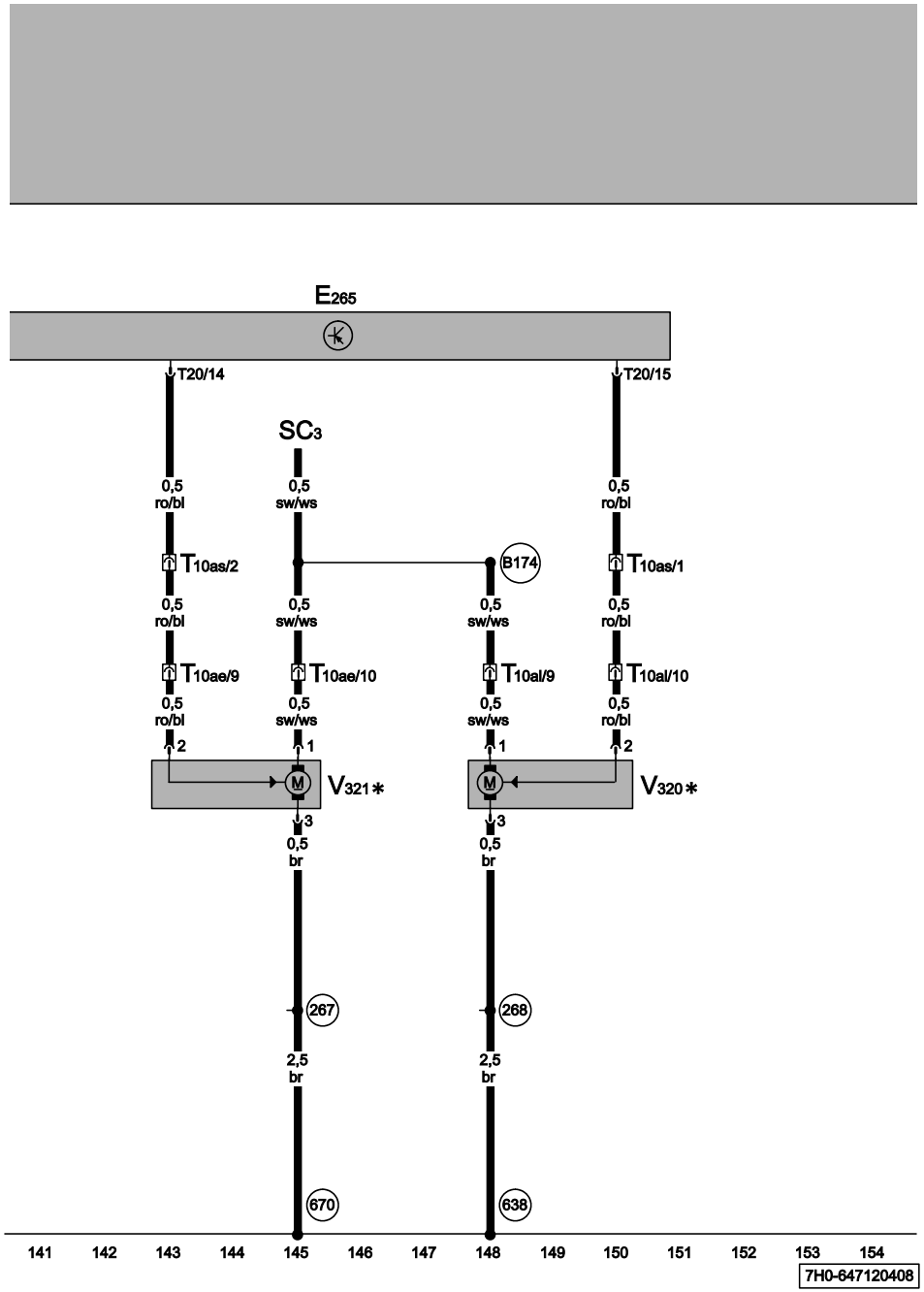
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear Climatronic operating and display unit, rear blower Bitron regulation motor, rear blower regulation sender

E265	Operating and display unit for rear Climatronic
G463	Rear blower regulation sender
SB1	Fuse 1 on fuse holder B
T2m	2-pin connector
T4h	4-pin connector
T6v	6-pin connector, red, coupling station under front passenger seat
T20	20-pin connector
V306	Rear blower Bitron regulation motor
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Operating and display unit for rear Climatronic, right auxiliary blower, left auxiliary blower

E265	Operating and display unit for rear Climatronic
SC3	Fuse 3 on fuse holder C
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10as	10-pin connector, yellow, coupling station under front passenger seat
T20	20-pin connector
V320	Right auxiliary blower
V321	Left auxiliary blower
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
B174	Positive connection 3 (X), in interior wiring harness
*	for models with auxiliary blower, in front doors

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Tail lights - plank bed

⇒ **Trailer operation (1D1/1D2)**

from November 2007

Notes:

For information concerning

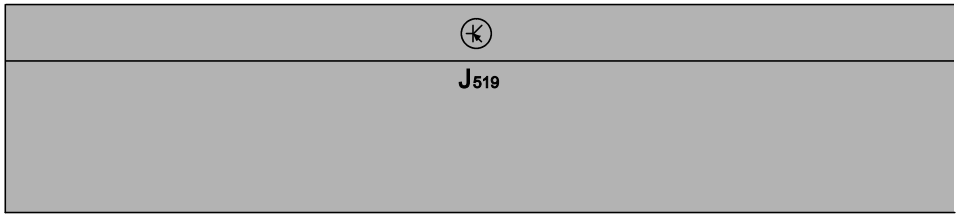
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

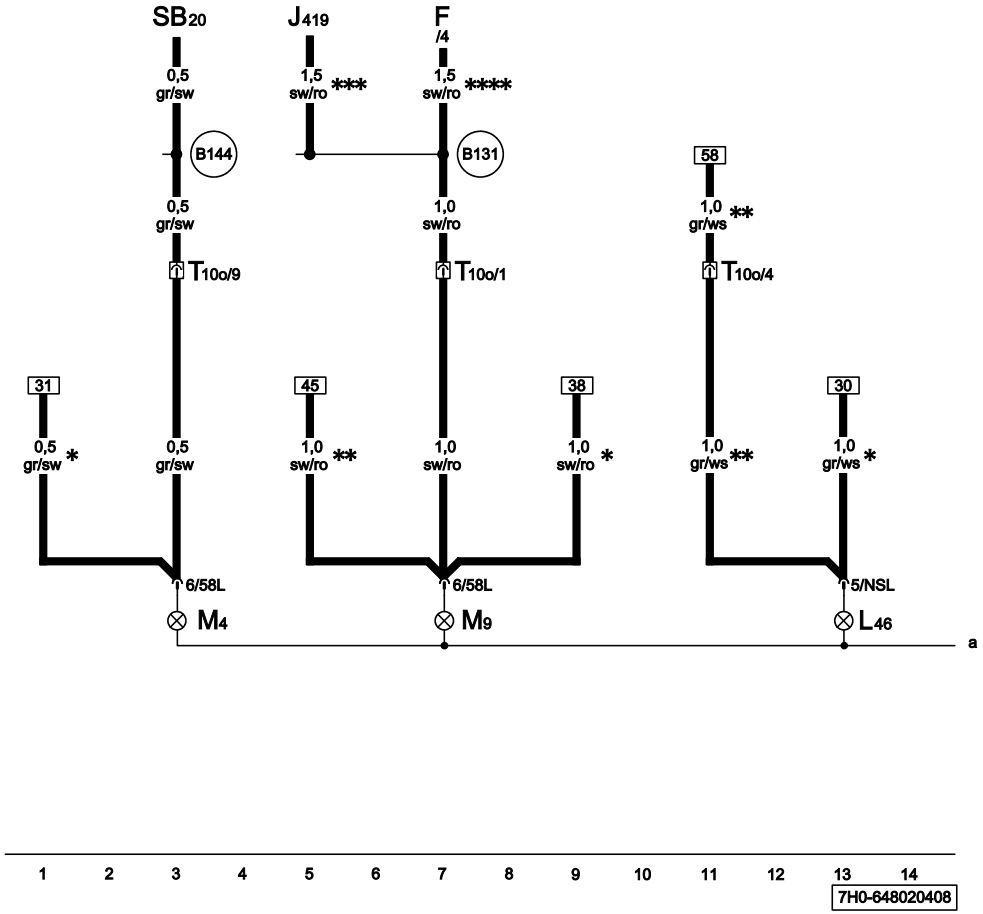
⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding

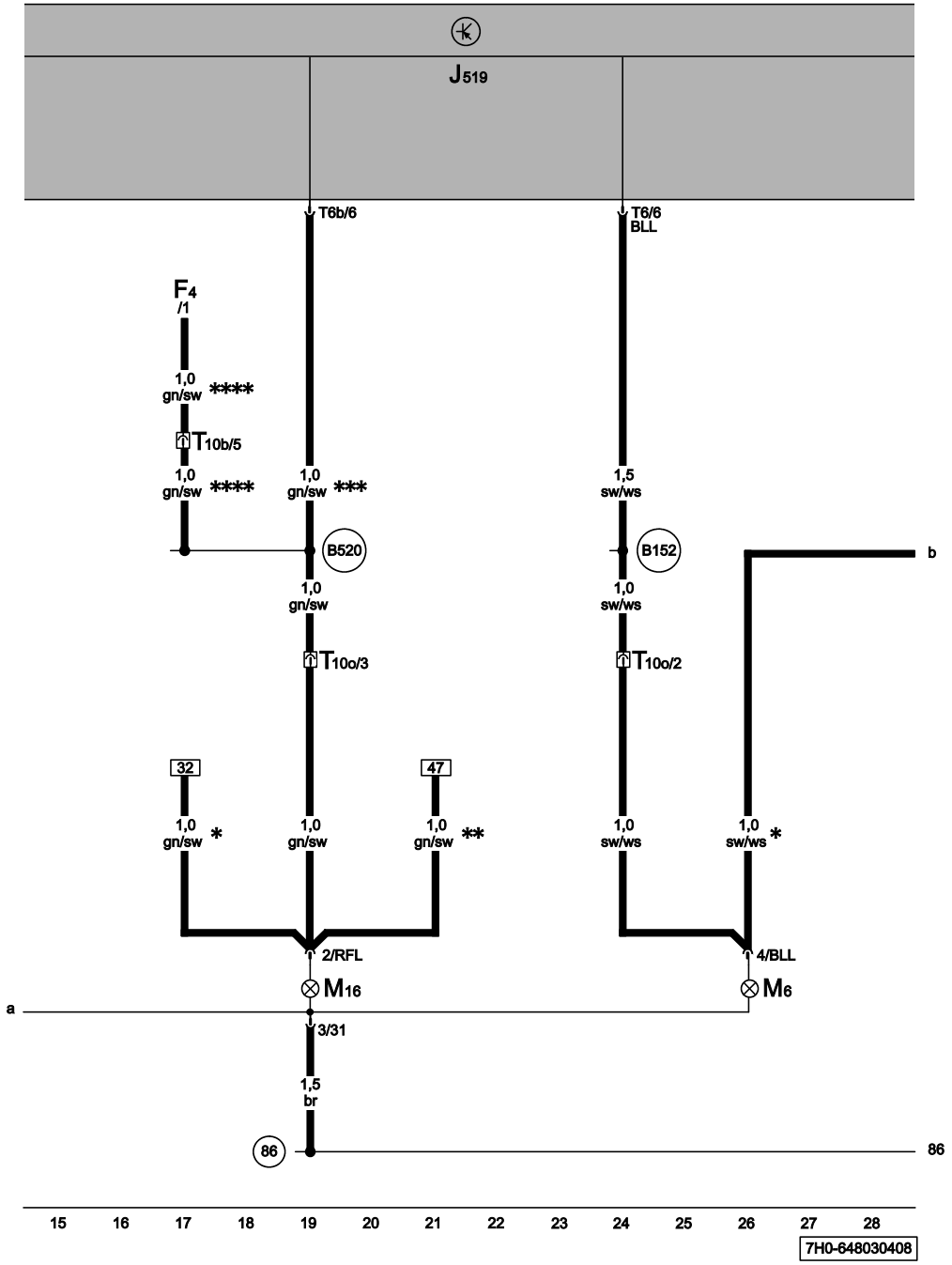




Onboard supply control unit, rear left fog light bulb, left tail light bulb, left brake light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
L46	Rear left fog light bulb
M4	Left tail light bulb
M9	Left brake light bulb
SB20	Fuse 20 on fuse holder B
T10o	10-pin connector, light-green, coupling station under driver seat
B131	Connection (54), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with ESP only ⇒ ABS Current Flow Diagram
****	for models without ESP only

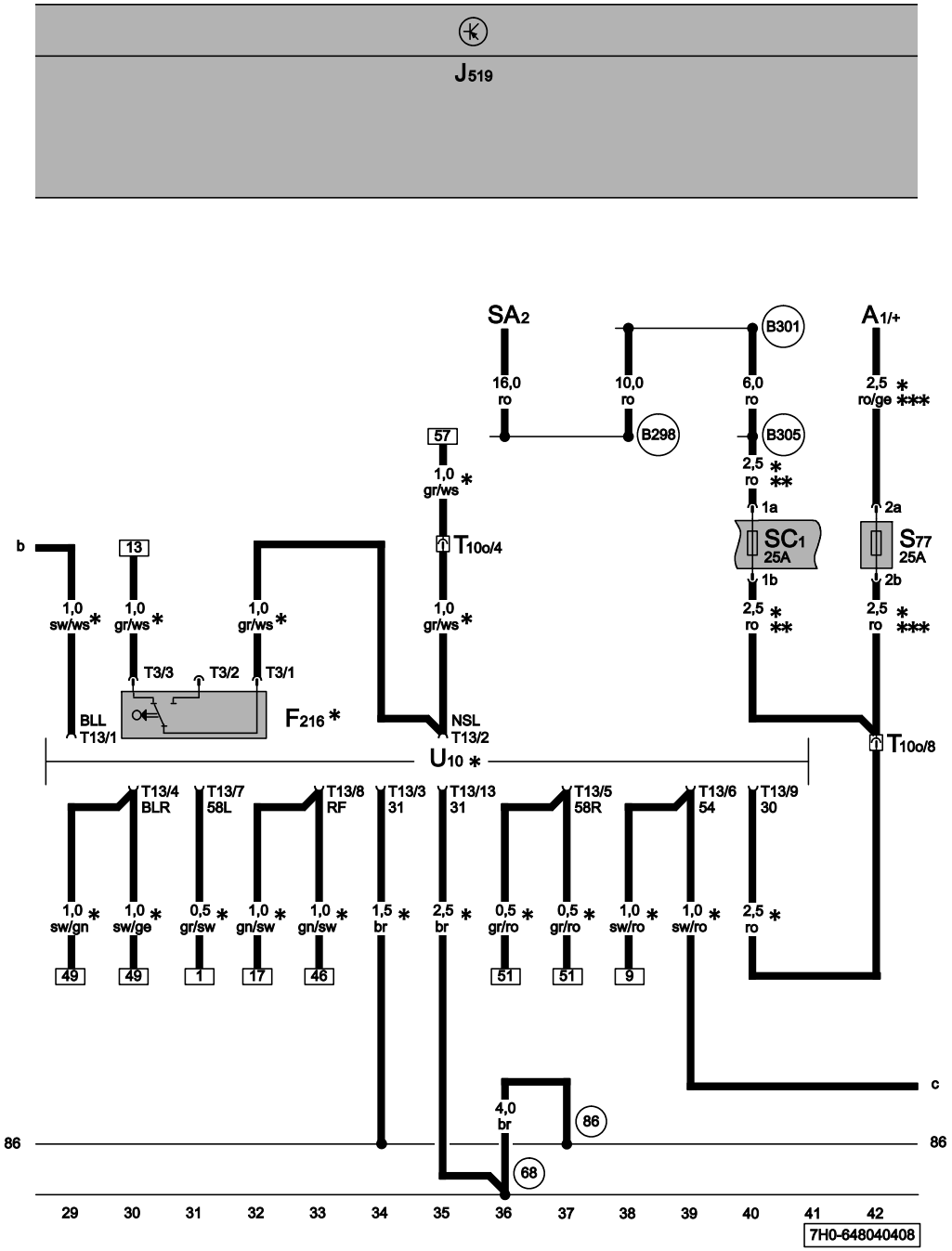
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gn	=	green
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gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard power supply control unit, rear left turn signal bulb, left reversing light bulb

F4	Reversing light switch
J519	Onboard supply control unit
M6	Rear left turn signal bulb
M16	Left reversing light bulb
T6	6-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only
***	for models with automatic gearbox only
****	for models with manual gearbox only

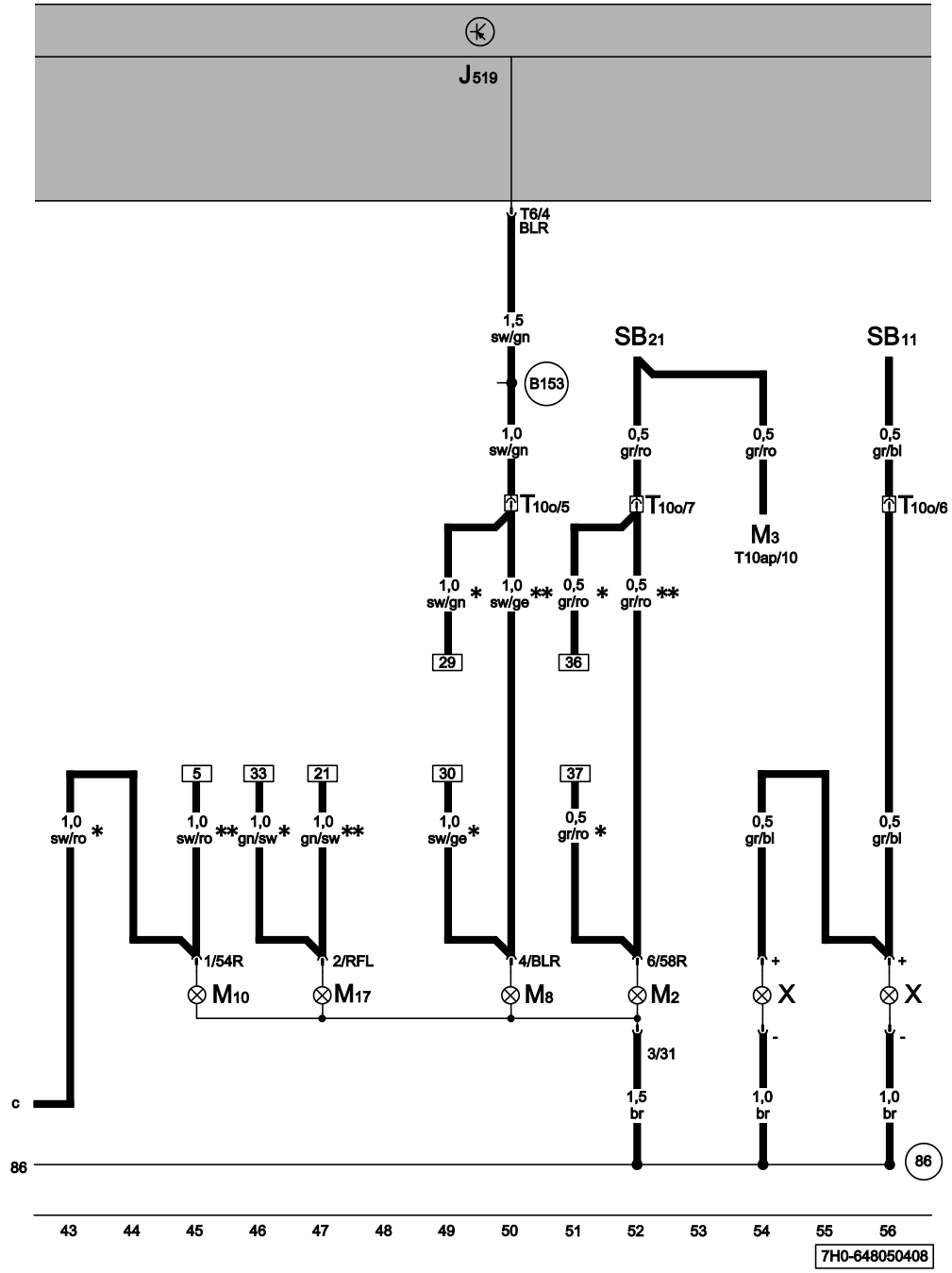
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, trailer socket, rear fog light cut-out contact switch

A1	Second battery
F216	Rear fog light cut-out contact switch
J519	Onboard supply control unit
S77	Terminal 30 fuse, trailer towing attachment
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
U10	Trailer socket
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with trailer socket only
**	for models without second battery only
***	for models with second battery only

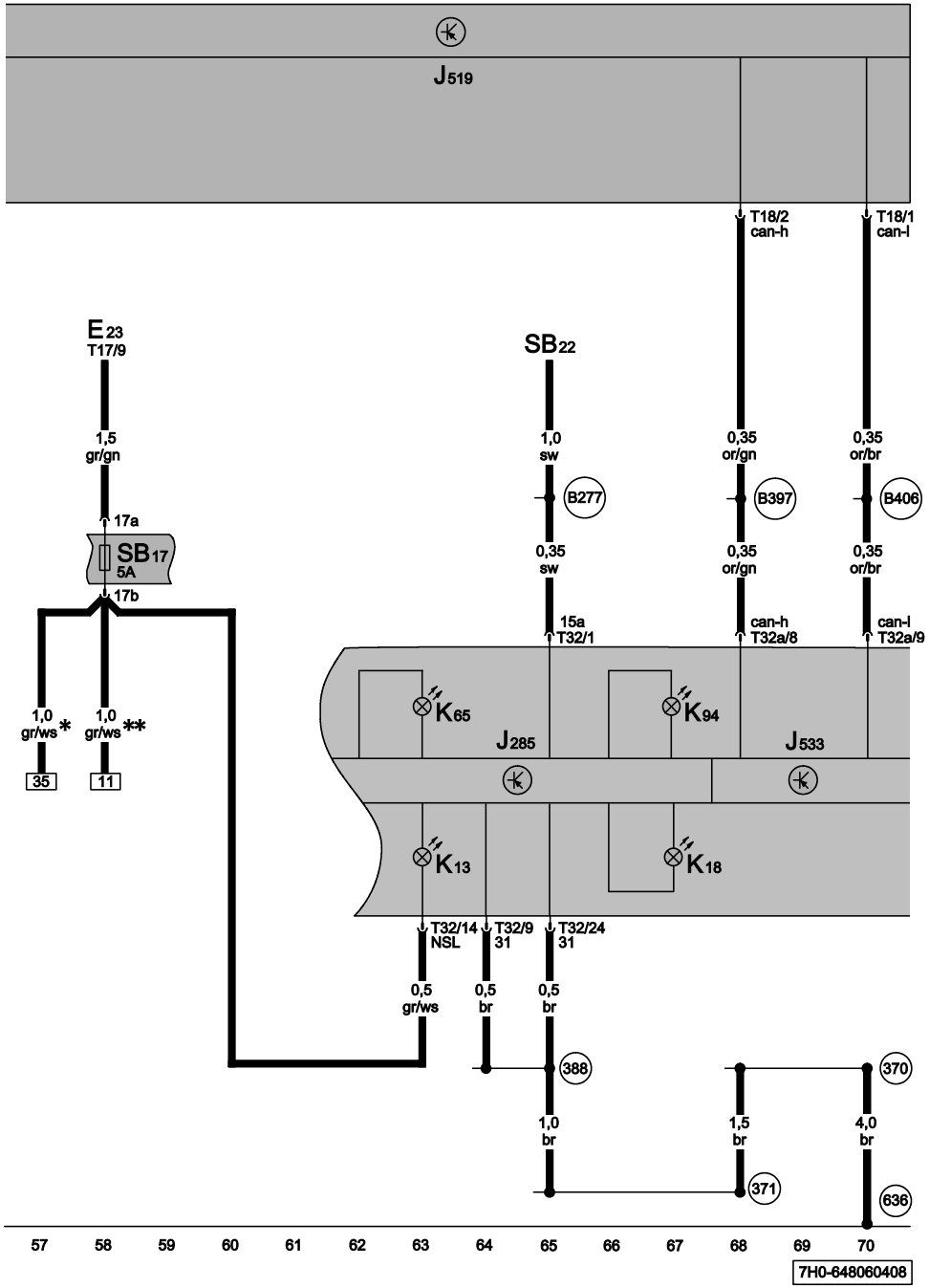
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, right tail light bulb, rear right turn signal bulb, right brake light bulb, right reversing light bulb

J519	Onboard supply control unit
M2	Right tail light bulb
M3	Right side light bulb
M8	Rear right turn signal bulb
M10	Right brake light bulb
M17	Right reversing light bulb
SB11	Fuse 11 on fuse holder B
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
X	Number plate light
86	Earth connection 1, in rear wiring harness
B153	Connection (RTS), in interior wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with trailer socket only
**	for models without trailer socket only

Airbag systems

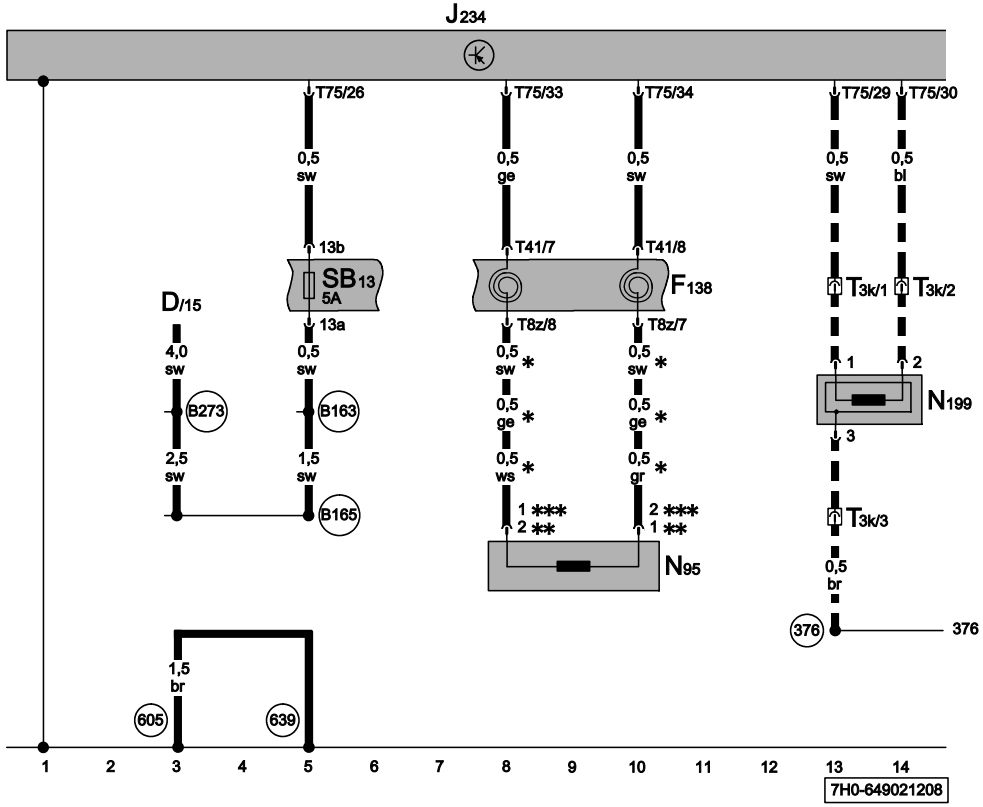
⇒ **Driver and front passenger airbag**
⇒ **Belt tensioner**
⇒ **Side airbag**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

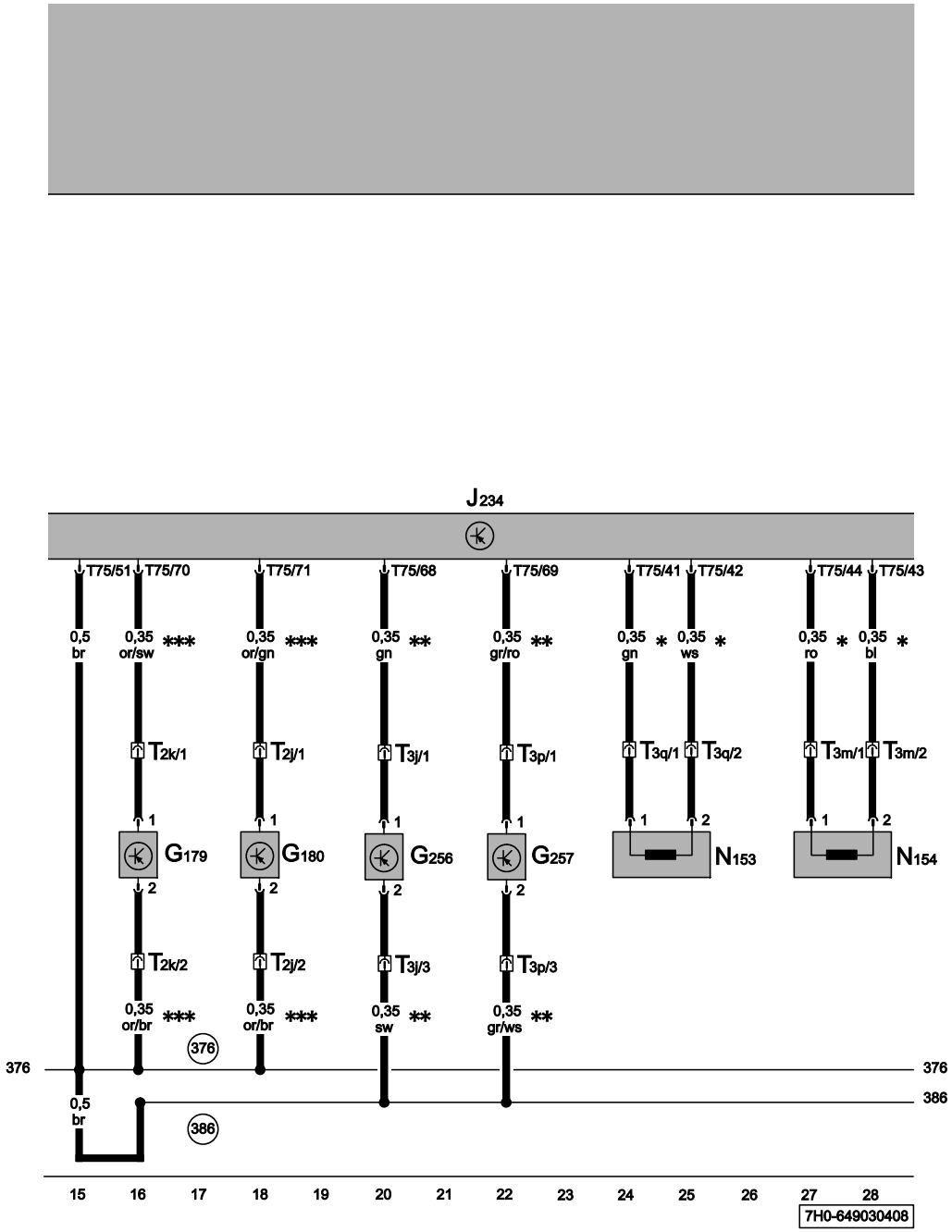




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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Airbag control unit, airbag coil connector and return spring with slip ring, driver side airbag igniter

D	Ignition/starter switch
F138	Airbag coil connector and return spring with slip ring
J234	Airbag control unit
N95	Driver side airbag igniter
N199	Side airbag igniter on driver side
SB13	Fuse 13 on fuse holder B
T3k	3-pin connector, yellow, under driver seat
T8z	8-pin connector, yellow, in steering wheel
T41	41-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
605	Earth point, on top end of steering column
639	Earth point, left A-pillar
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
*	depends on equipment
**	for models without multifunction steering wheel only
***	for models with multifunction display only
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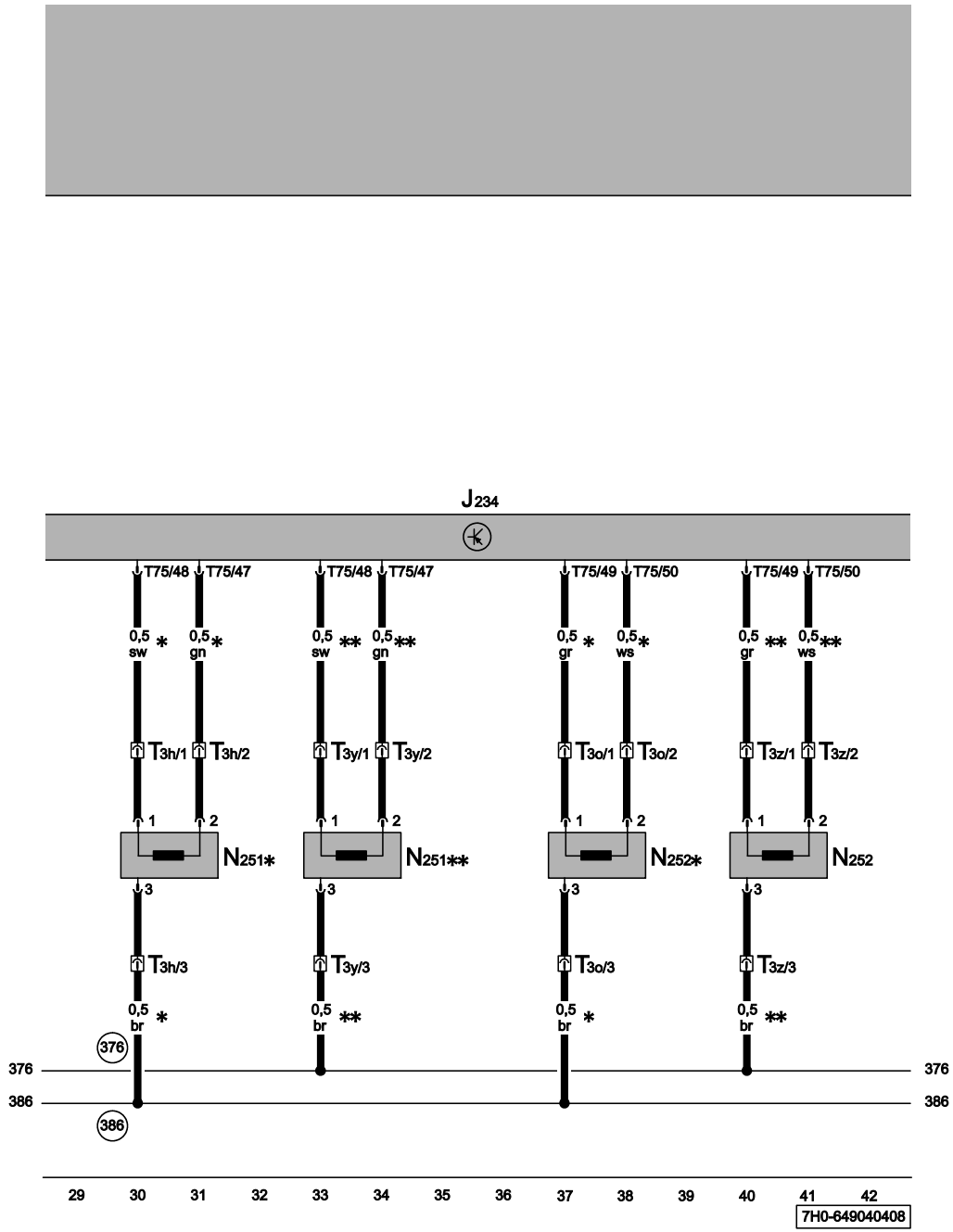
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br = brown
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gr = grey
li = purple
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or = orange
rs = pink

Airbag control unit, side airbag crash sensors, belt tensioner igniter

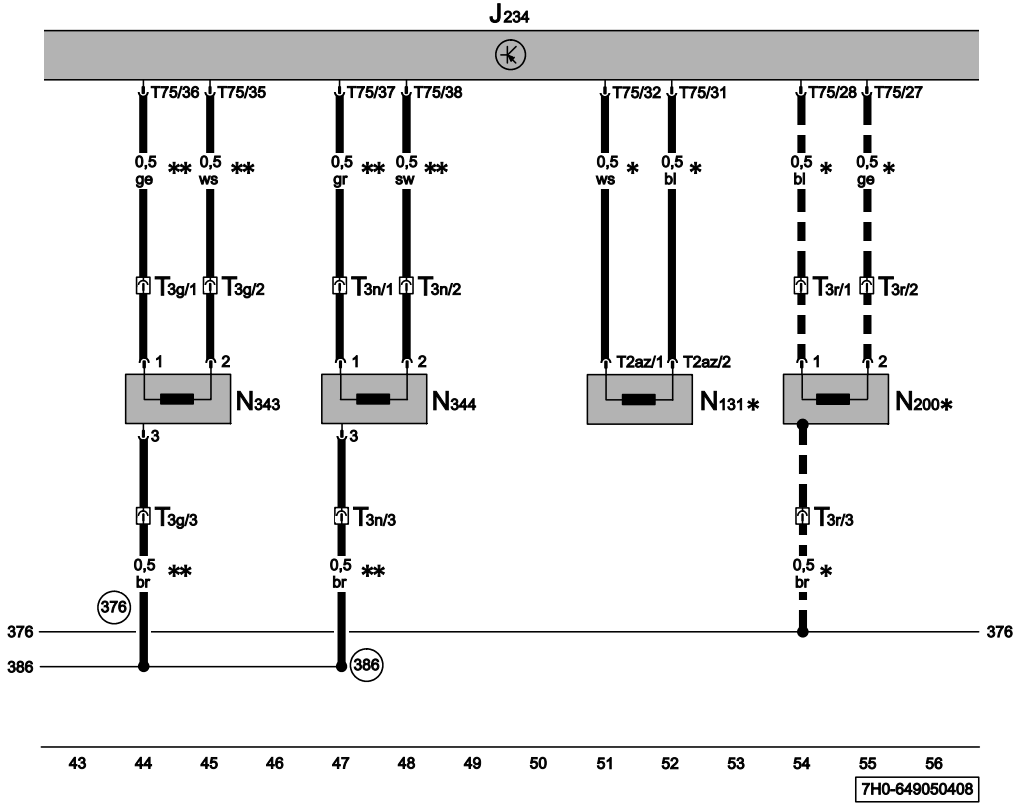
G179	Side airbag crash sensor on driver side
G180	Side airbag crash sensor on front passenger side
G256	Rear side airbag crash sensor on driver side
G257	Rear side airbag crash sensor on front passenger side
J234	Airbag control unit
N153	Driver seat belt tensioner igniter 1
N154	Front passenger side seat belt tensioner igniter 1
T2j	2-pin connector, yellow, coupling station under front passenger seat
T2k	2-pin connector, yellow, under driver seat
T3j	3-pin connector, yellow, coupling station under driver seat
T3m	3-pin connector, yellow, coupling station under front passenger seat
T3p	3-pin connector, yellow, coupling station under front passenger seat
T3q	3-pin connector, yellow, coupling station under driver seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
386	Earth connection 21, in main wiring harness
*	for models with belt tensioners only
**	for models with rear side airbag only
***	for models without side airbag only

Airbag control unit, curtain airbag igniter

J234	Airbag control unit
N251	Driver side curtain airbag igniter
N252	Front passenger side curtain airbag igniter
T3h	3-pin connector, yellow, coupling station under driver seat
T3o	3-pin connector, yellow, coupling station under front passenger seat
T3y	3-pin connector, yellow, on left B-pillar
T3z	3-pin connector, yellow, on right B-pillar
T75	75-pin connector
(376)	Earth connection 11, in main wiring harness
(386)	Earth connection 21, in main wiring harness
*	for multivan, box-type delivery van and hybrid vehicle only
**	for models with double cab/ plank bed only



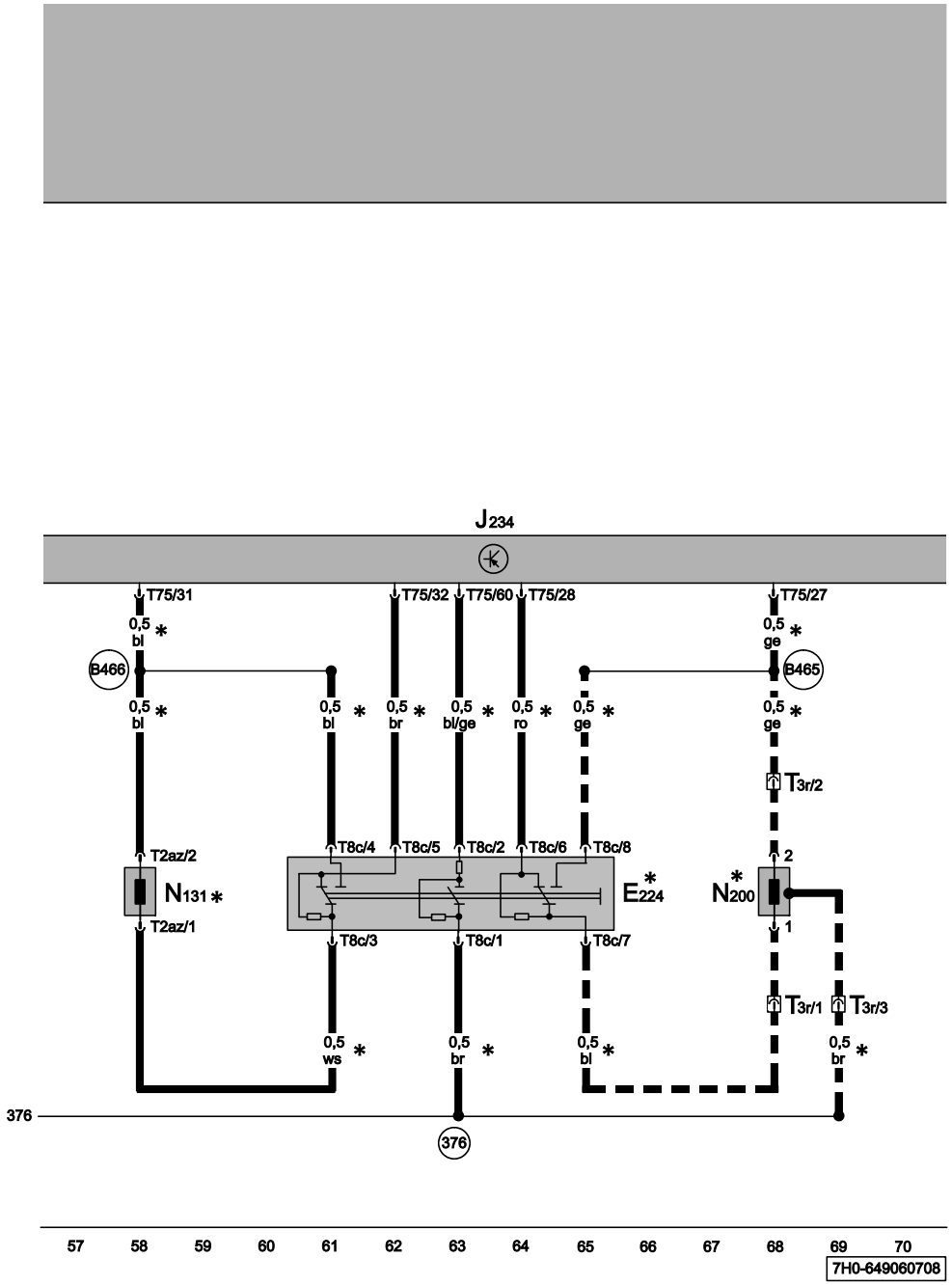
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Airbag control unit, airbag igniter

J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
N343	Driver side curtain airbag rear igniter
N344	Front passenger side curtain airbag rear igniter
T2az	2-pin connector, yellow, on airbag
T3g	3-pin connector, yellow, coupling station under driver seat
T3n	3-pin connector, yellow, coupling station under front passenger seat
T3r	3-pin connector, yellow, coupling station under front passenger seat
T75	75-pin connector
376	Earth connection 11, in main wiring harness
386	Earth connection 21, in main wiring harness
*	for models without key operated switch to deactivate front passenger side airbag only
**	for models with curtain airbag rear only
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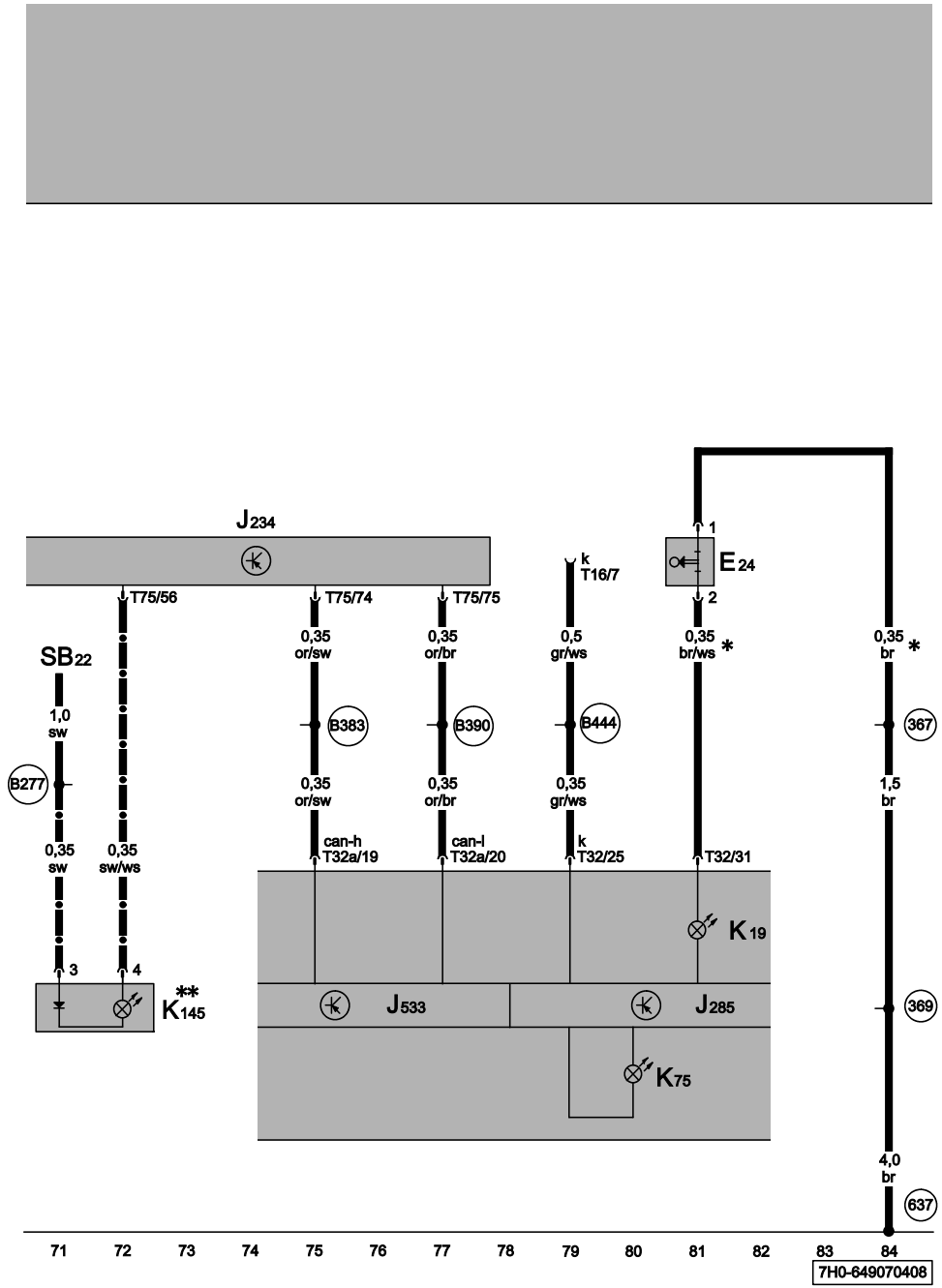
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Airbag control unit, key operated switch to deactivate front passenger airbag, airbag igniter

E224	Key operated switched to deactivate front passenger side airbag
J234	Airbag control unit
N131	Front passenger side airbag igniter 1
N200	Side airbag igniter on front passenger side
T2az	2-pin connector, yellow, on airbag
T3r	3-pin connector, yellow, coupling station under front passenger seat
T8c	8-pin connector
T75	75-pin connector
376	Earth connection 11, in main wiring harness
B465	Connection 1 in main wiring harness
B466	Connection 2 in main wiring harness
*	for models with key operated switch to deactivate front passenger side airbag only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	for models without side airbag only

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Airbag control unit, control unit in dash panel insert, warning lamps, driver side belt switch

E24	Driver side belt switch
J234	Airbag control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
K19	Seat belt warning system warning lamp
K75	Airbag warning lamp
K145	Front passenger side airbag deactivated warning lamp
SB22	Fuse 22 on fuse holder B
T16	16-pin connector, diagnostic connector
T32	32-pin connector, blue
T32a	32-pin connector, green
T75	75-pin connector
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B277	Positive connection 1 (15a), in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with driver side belt switch only
**	depends on equipment
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt"	for models with key operated switch to deactivate front passenger side airbag only

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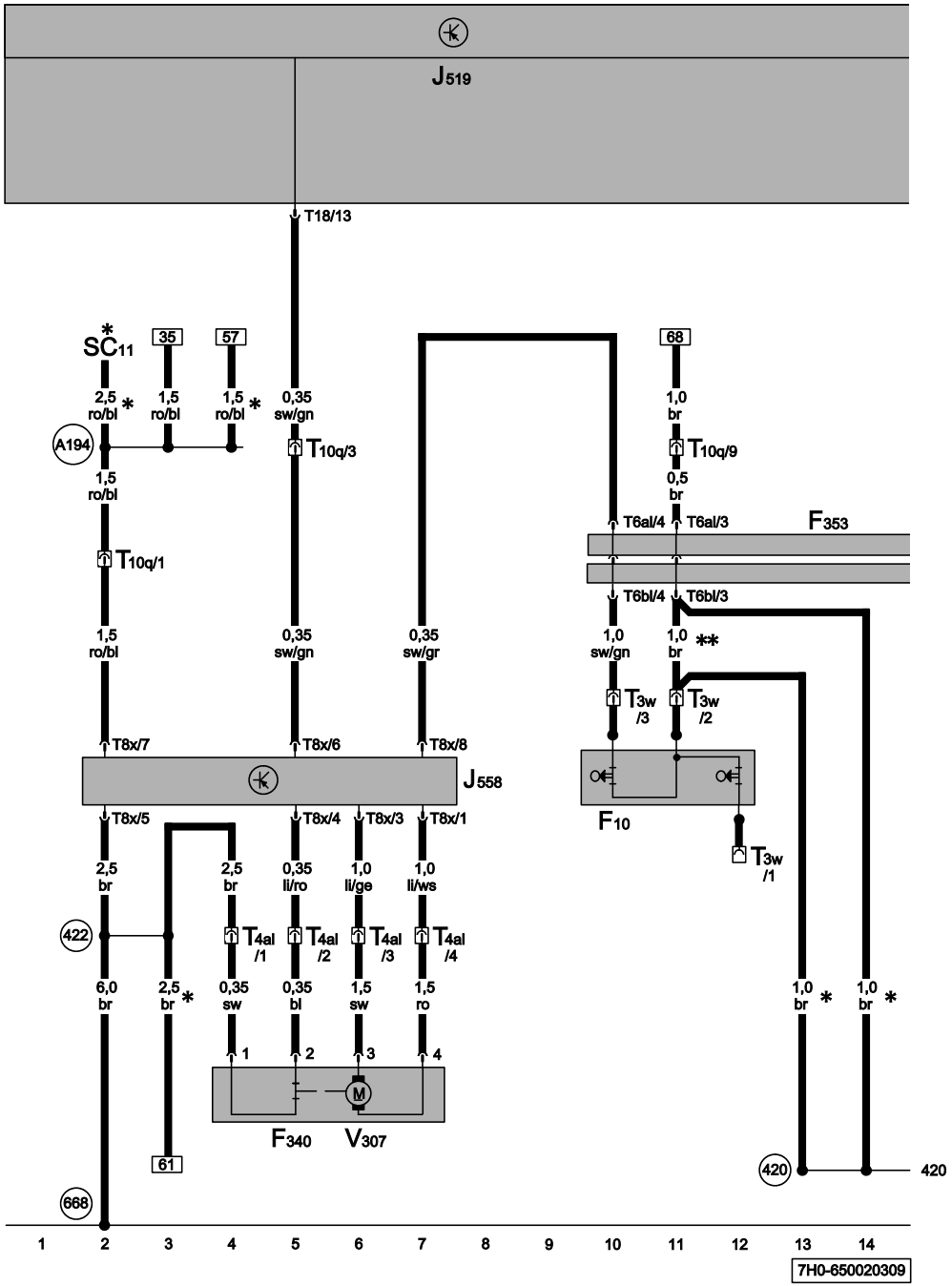
Power latching system

⇒ **Power latching system - right sliding door (GX3/ GZ4/ GZ7)**
⇒ **Power latching system - left sliding door (GZ3/ GZ4)**
⇒ **Power latching system - rear lid (4E7/ 4E9)**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

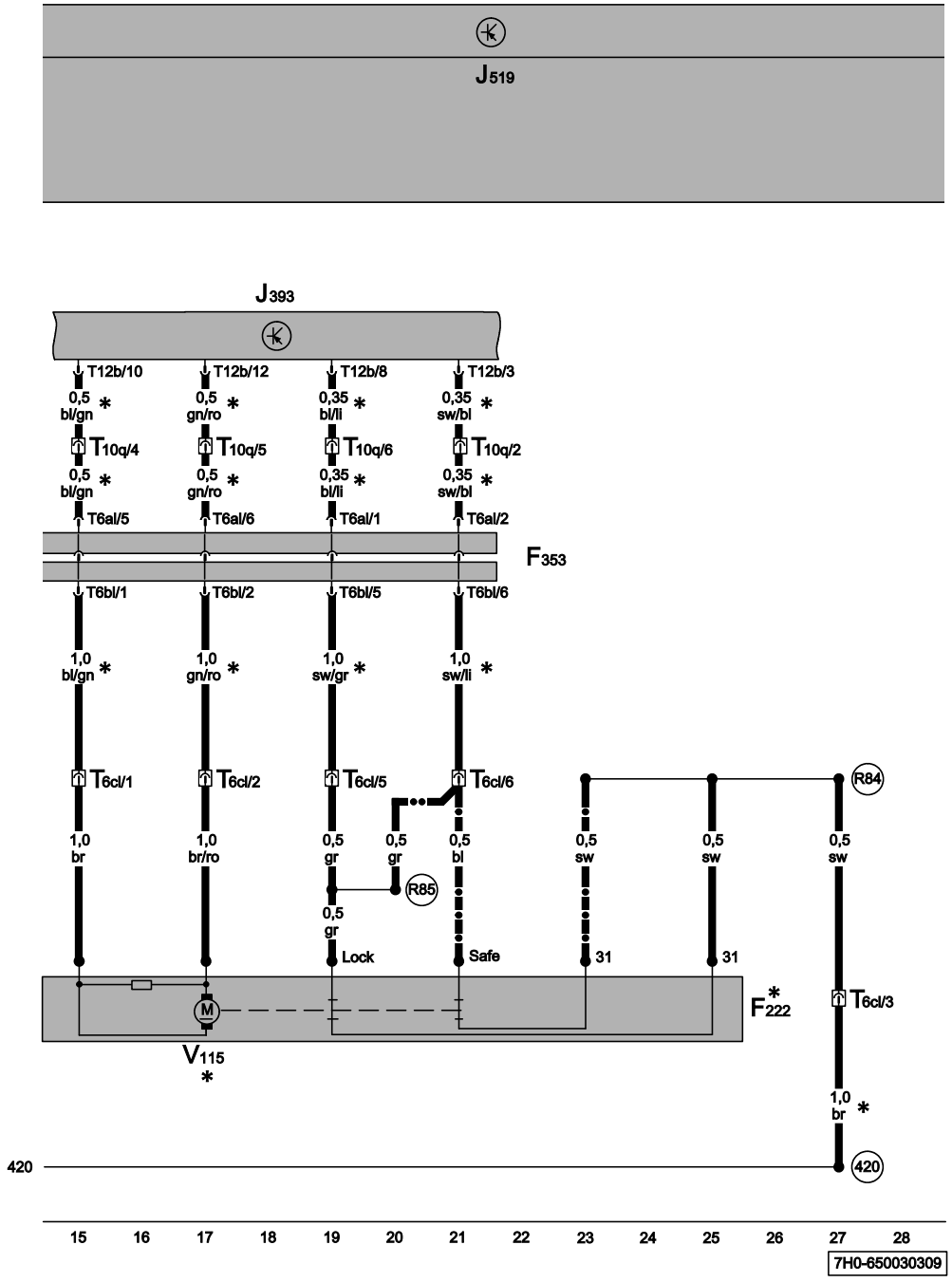
⇒ guided fault finding



Door contact switch and rear left door power latching system contact switch, left sliding door contact strip, left sliding door control unit, rear left door power latching motor

F10	Rear left door contact switch
F340	Rear left door power latching system contact switch
F353	Left sliding door contact strip
J519	Onboard supply control unit
J558	Left sliding door control unit
SC11	Fuse 11 on fuse holder C
T3w	3-pin connector, rear left door contact switch
T4al	4-pin connector, black, on left C-pillar
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T8x	8-pin connector, black, coupling station left D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T18	18-pin connector, black
V307	Rear left door power latching motor
420	Earth connection 1, in left sliding door wiring harness
422	Earth connection 1, in left rear end wiring harness
668	Earth point 2, left D-pillar
A194	Connection (convenience system), in main wiring harness
*	for models with central locking only
**	for models without central locking only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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or	=	orange
rs	=	pink

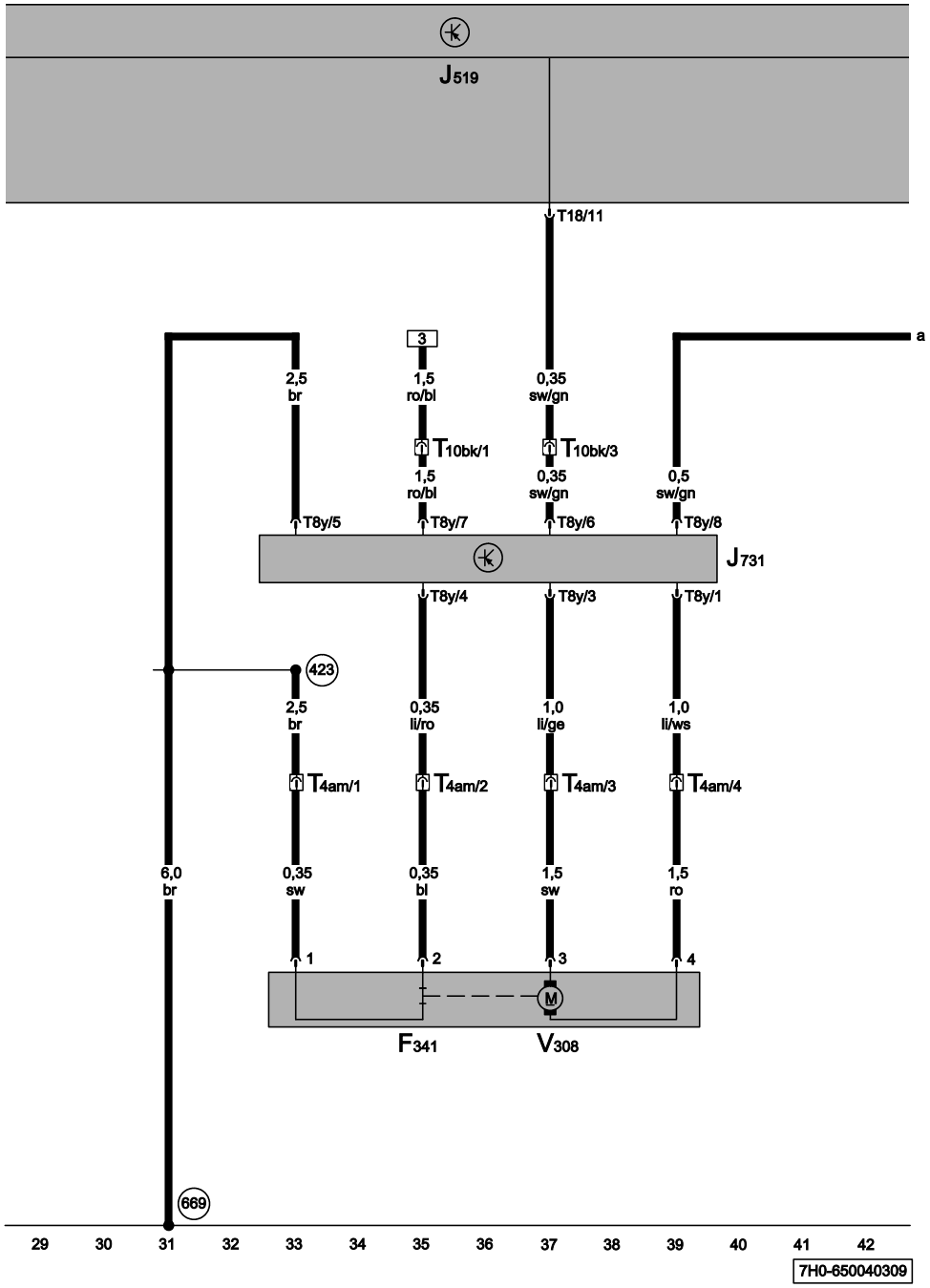


Convenience system central control unit, rear left central locking lock unit

F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T6cl	6-pin connector, black, in left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
R84	Connection 1 (central locking) in rear left door wiring harness
R85	Connection 2 (central locking) in rear left door wiring harness
*	for models with central locking only
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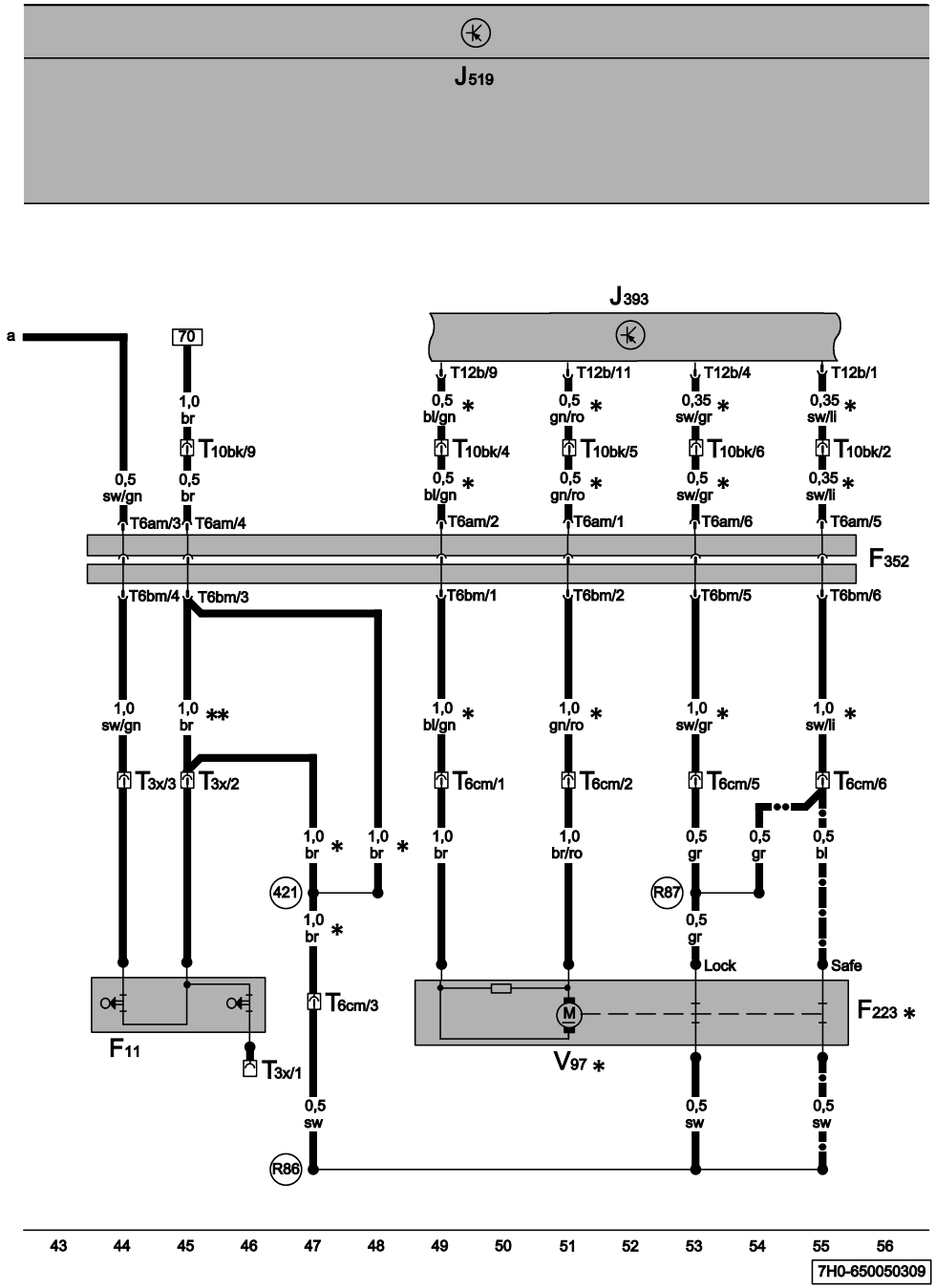
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or	=	orange	
rs	=	pink	



Right sliding door control unit, rear right power latching motor

F341	Rear right door power latching system contact switch
J519	Onboard supply control unit
J731	Right sliding door control unit
T4am	4-pin connector, black, on right C-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
V308	Rear right power latching motor
423	Earth connection 1, in right rear end wiring harness
669	Earth point 2, right D-pillar

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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rs	=	pink



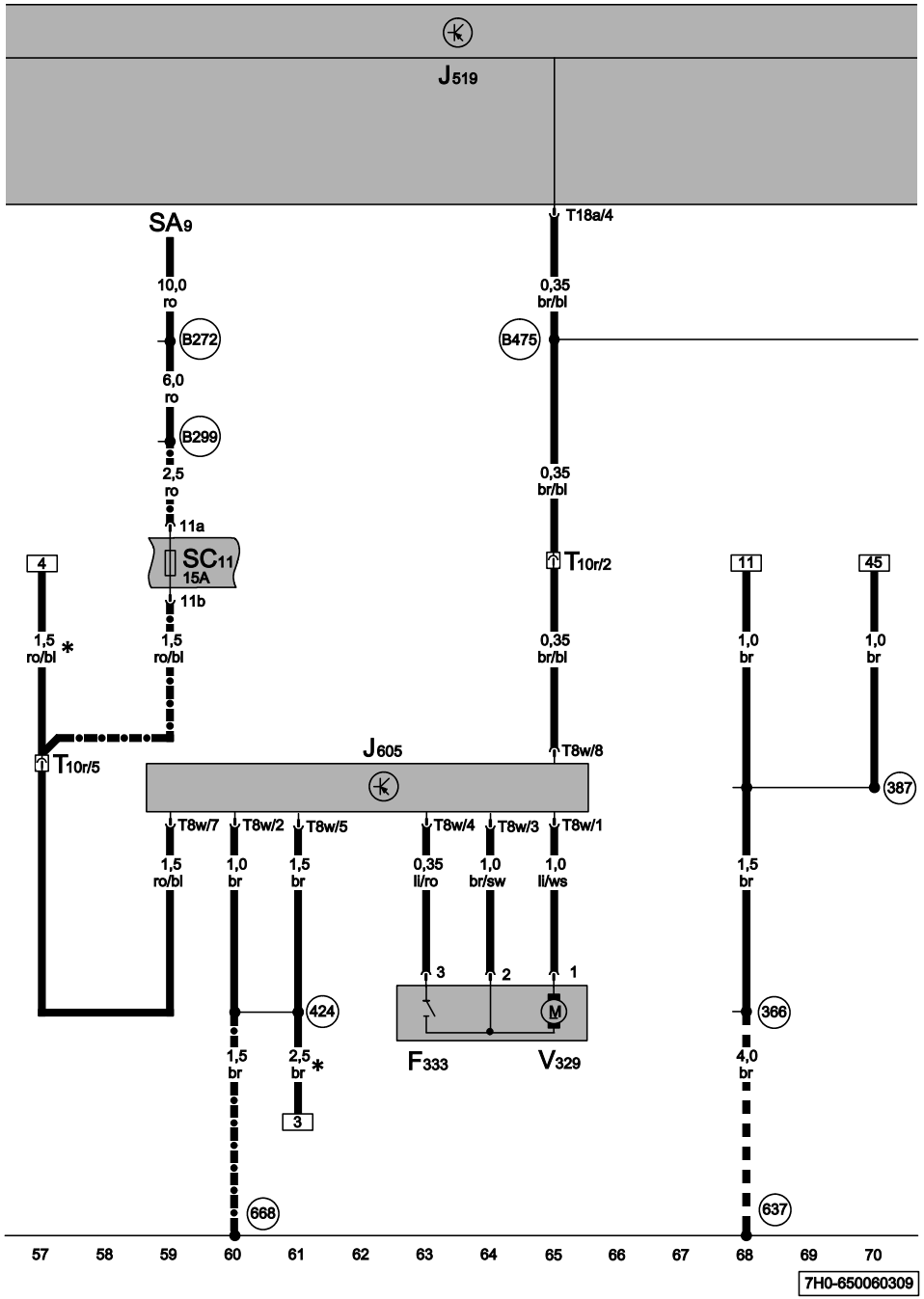
Rear right door contact switch, rear right central locking lock unit, right sliding door contact strip, rear right door central locking motor

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T6cm	6-pin connector, black, in right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
R86	Connection 1 (central locking) in rear right door wiring harness
R87	Connection 2 (central locking) in rear right door wiring harness
*	for models with central locking only
**	for models without central locking only
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rs	=	pink

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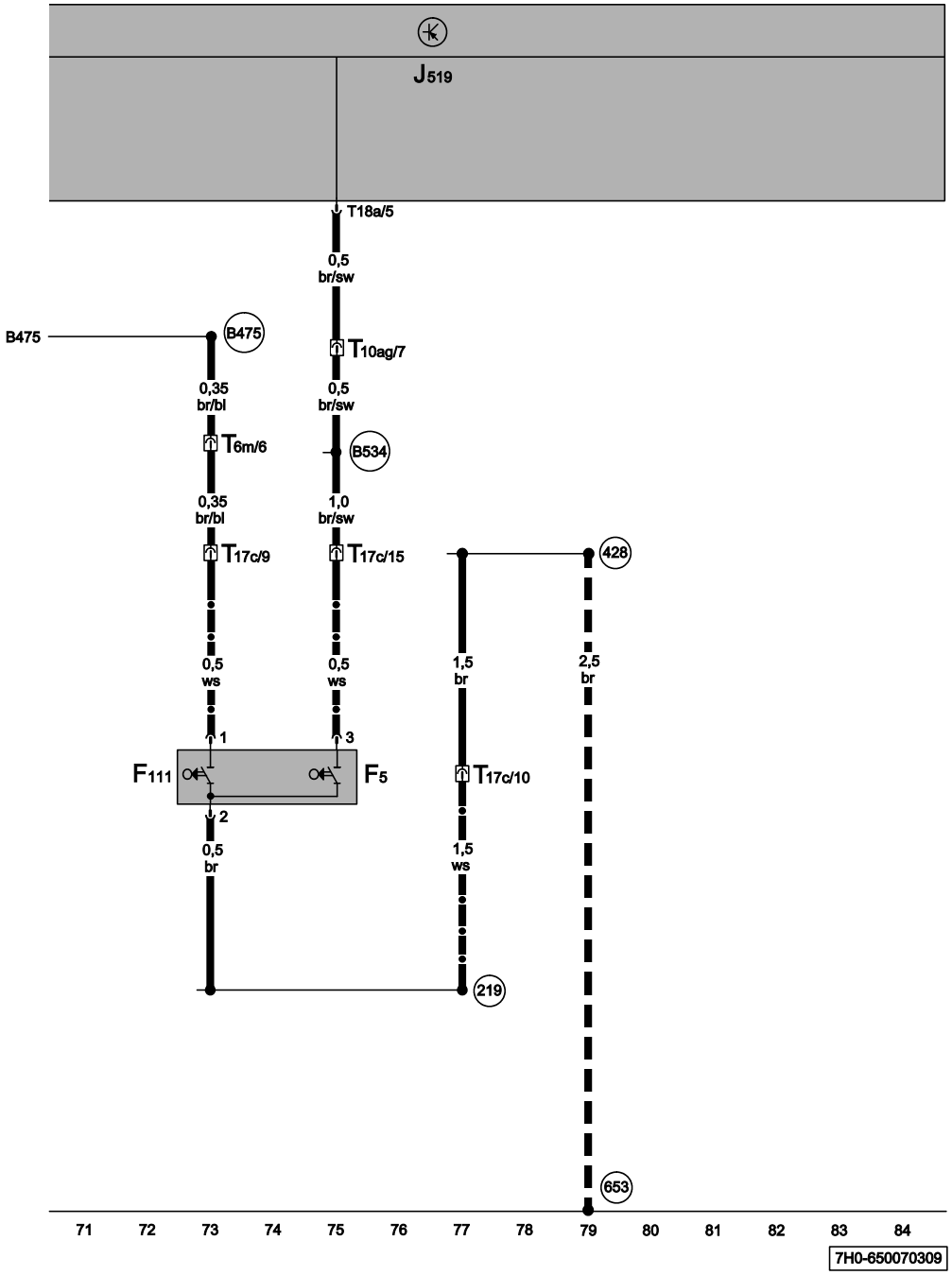
ws = white

Onboard power supply control unit, rear lid control unit, power latching motor, power latching system limit switch

F333	Power latching system limit switch, luggage compartment locked
J519	Onboard supply control unit
J605	Rear lid control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T10r	10-pin connector, white, coupling station under driver seat
T18a	18-pin connector, brown
V329	Power latching motor
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
424	Earth connection 2, in left rear end wiring harness
637	Earth point, airbag control unit
668	Earth point 2, left D-pillar
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
B475	Connection 11 in main wiring harness
*	for models with central locking only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="	Cross-section 6.0 possible

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li	=	purple
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or	=	orange
rs	=	pink

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ws = white

Luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness

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Cross-section 6.0/ 10.0 possible

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wire colour is white and wire is printed

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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

ng" content- width="2 0pt" scaling=" uniform"/ >

Interior lighting double cab/ plank bed

from February 2004

Notes:

For information concerning

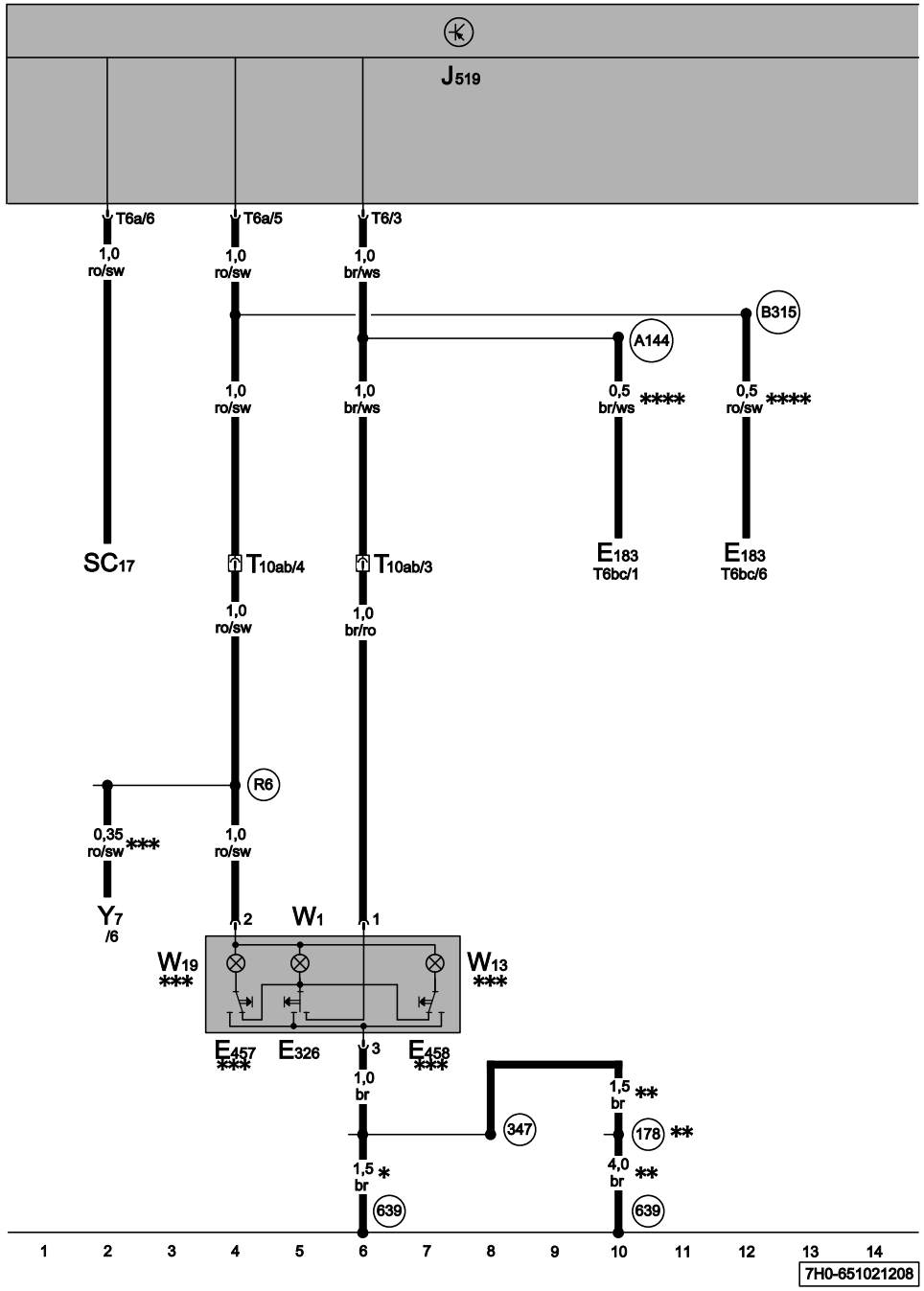
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

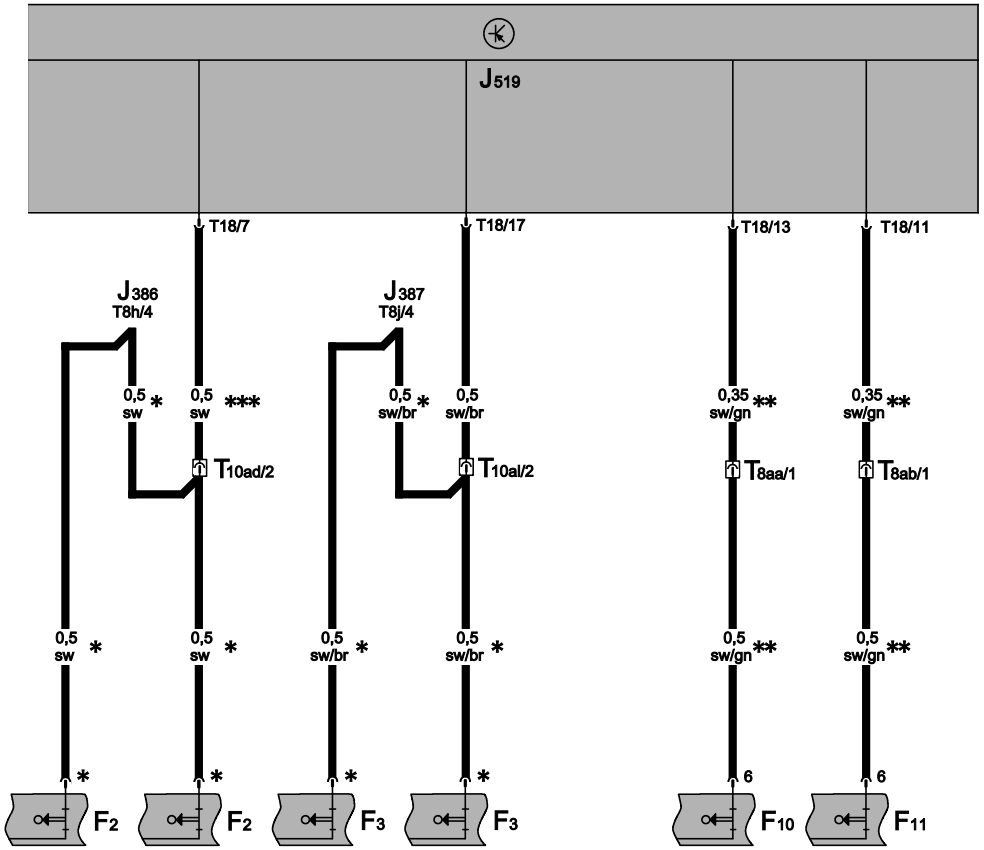
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	depends on equipment
****	for models with anti-theft alarm system only 7AL/7AQ



Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J386	Driver door control unit
J387	Front passenger door control unit
J519	Onboard supply control unit
T8h	8-pin connector
T8j	8-pin connector
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
*	depends on equipment ⇒ window regulator/basic equipment/ convenience system Current Flow Diagram
**	for models with double cab only
***	depends on equipment ⇒ basic equipment/taxi equipment Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

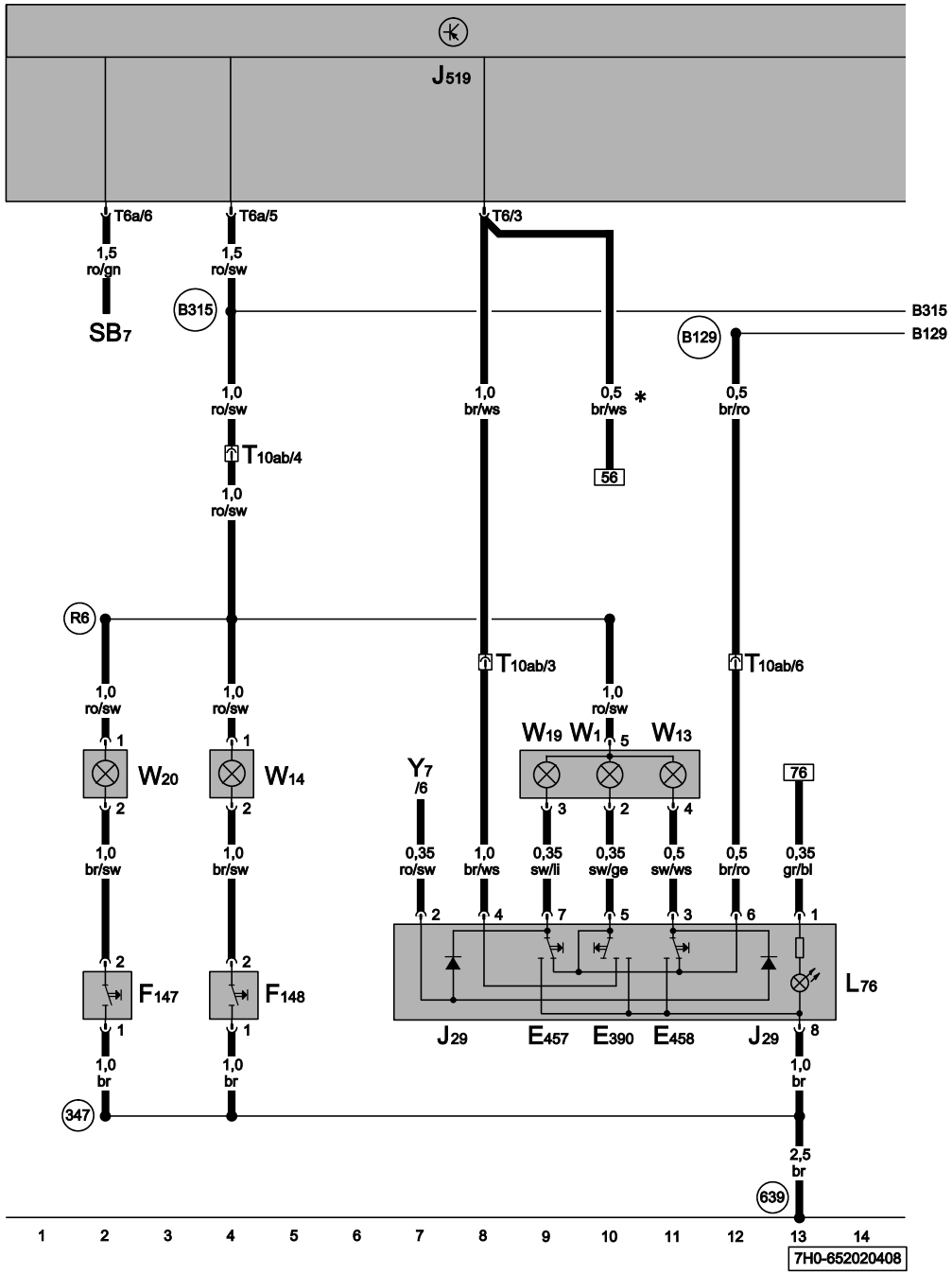
Interior lighting multivan and camper

⇒ **Illuminated vanity mirror**
⇒ **Luggage compartment light**
⇒ **Step illumination**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

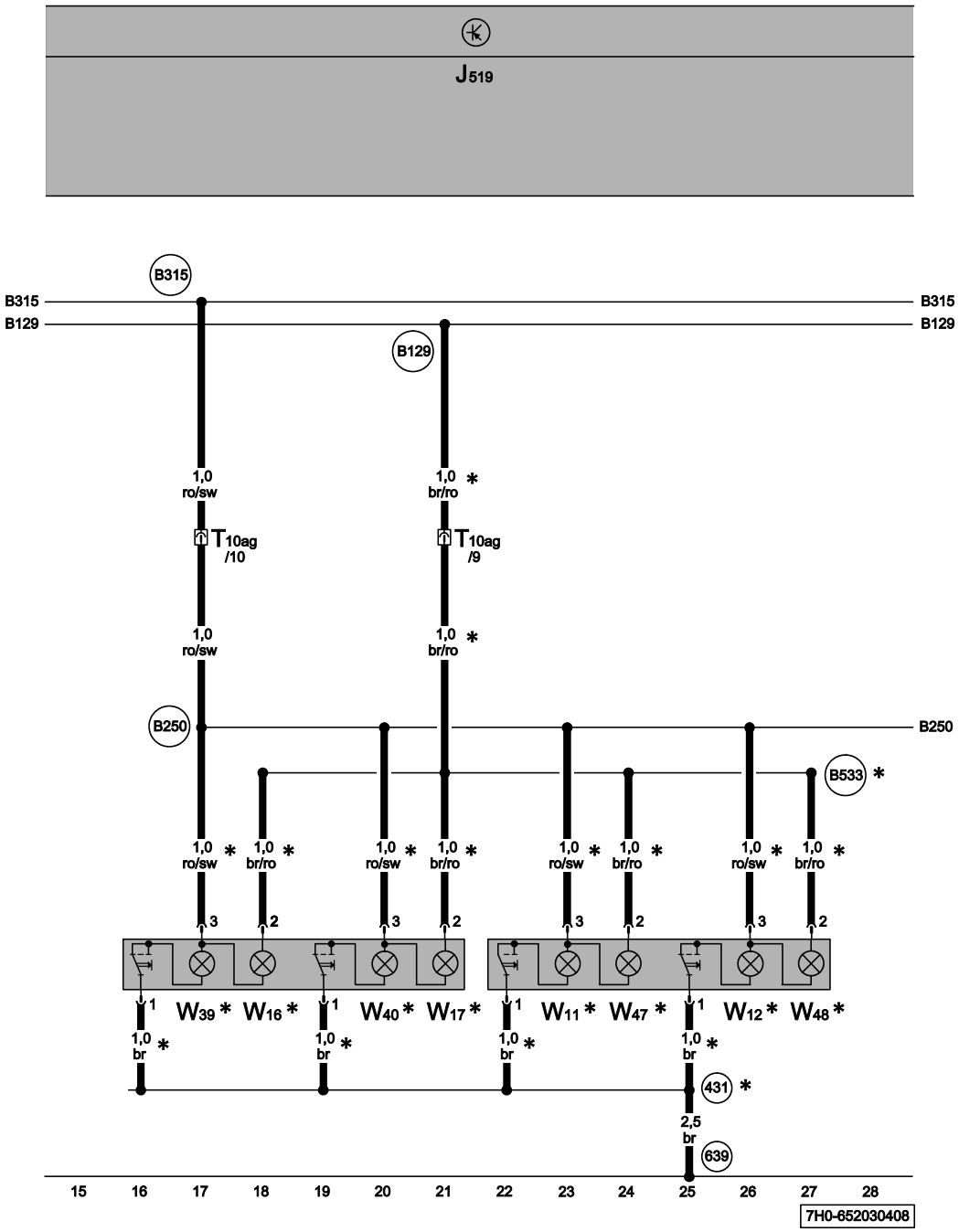
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, illuminated vanity mirror, driver and front passenger side reading lights

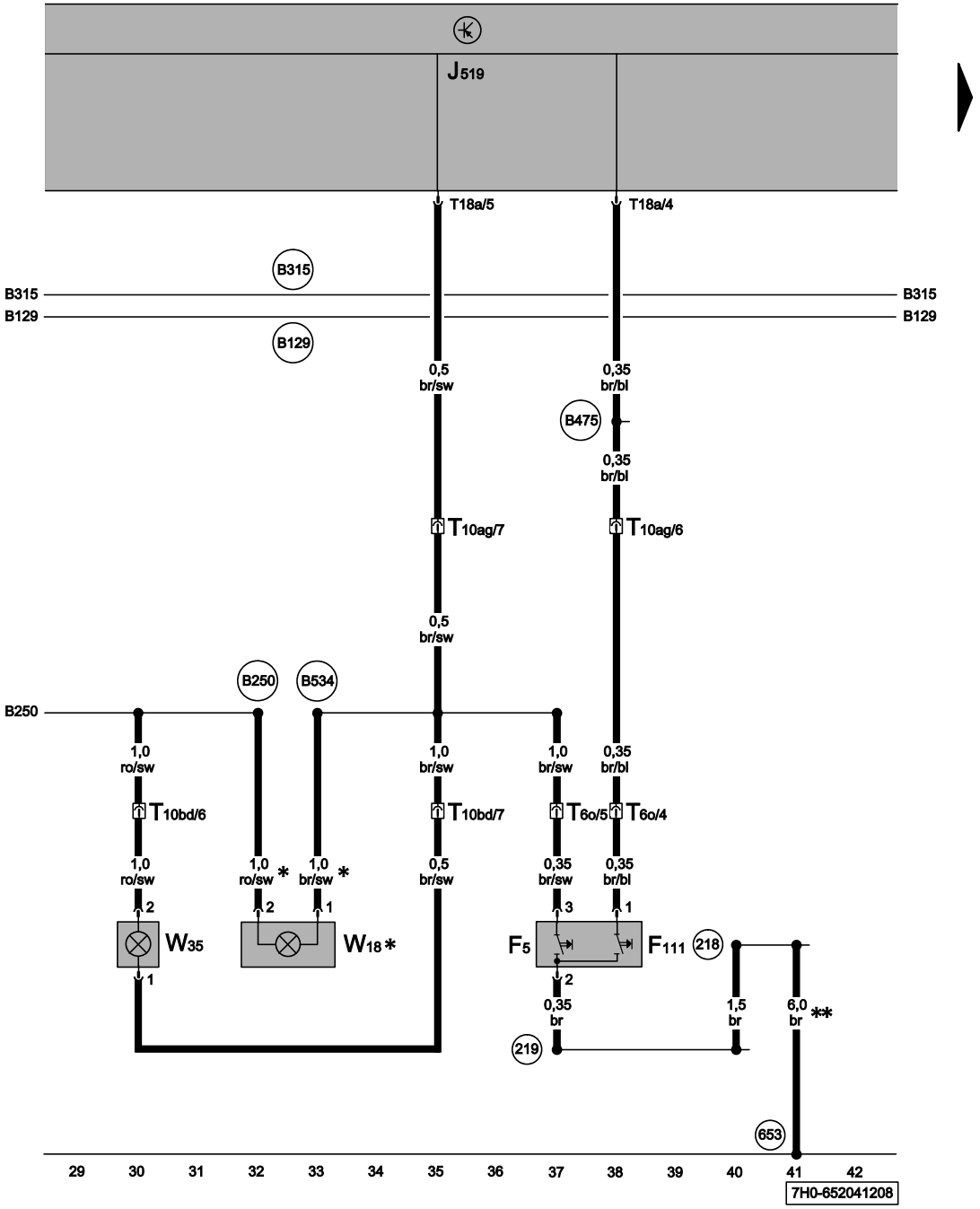
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
F147	Driver vanity mirror contact switch
F148	Front passenger side vanity mirror contact switch
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
SB7	Fuse 7 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W14	Front passenger side illuminated vanity mirror
W19	Driver side reading light
W20	Driver side illuminated vanity mirror
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ



Rear interior lights, centre and rear reading lights

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W39	Left centre reading light
W40	Right centre reading light
W47	Rear left interior light
W48	Rear right interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	For Multivan only

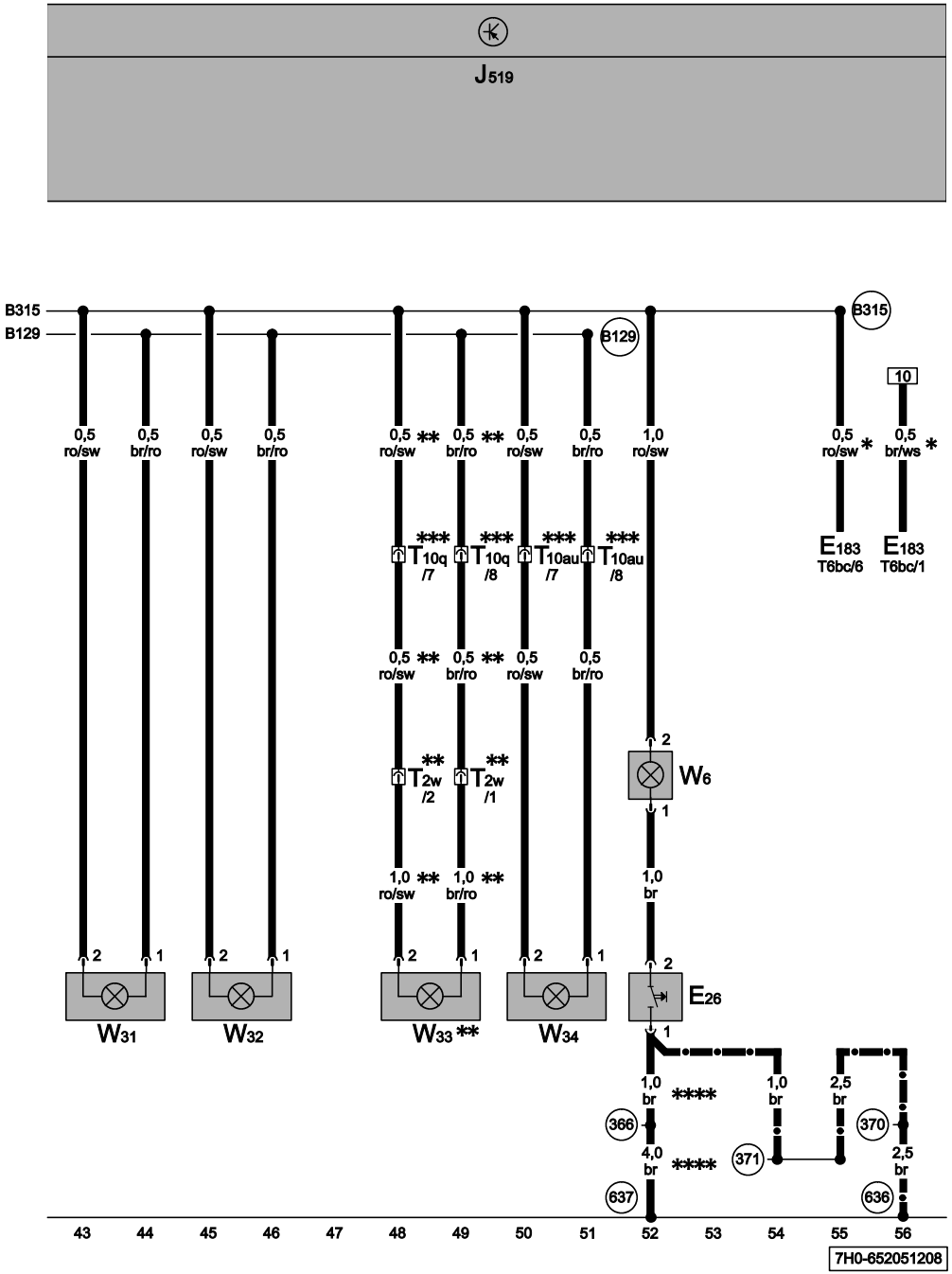
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch, luggage compartment light on left and right

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
T18a	18-pin connector, brown
W18	Luggage compartment light on left
W35	Right luggage compartment light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	For Multivan only
**	Cross-section 4.0 possible

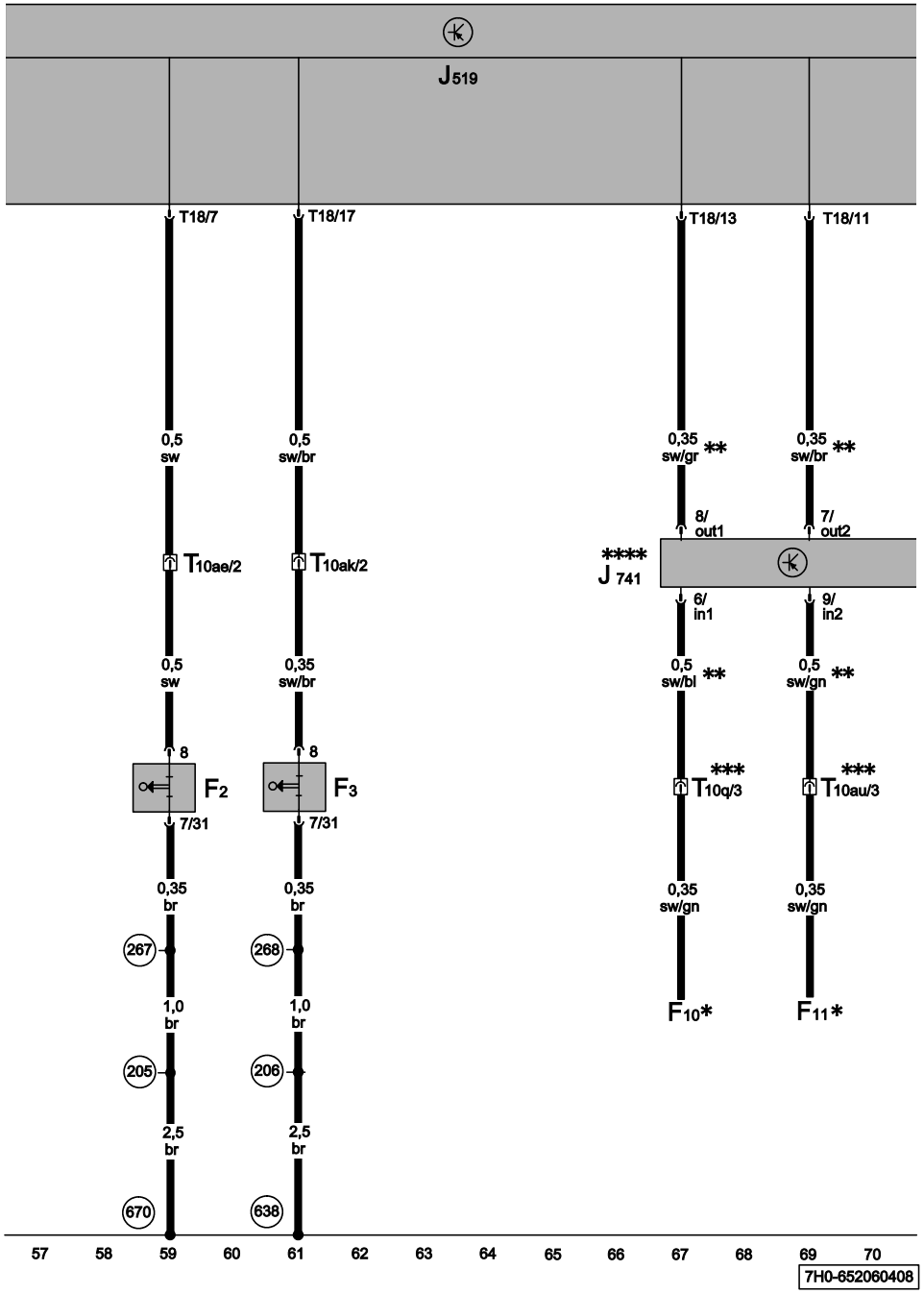


ws = white

Glove compartment light switch, glove compartment light, front left and right entry light, rear left and right entry light, interior monitoring switch

E26	Glove compartment light switch
E183	Interior monitor deactivation switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6bc	6-pin connector, blue
T10q	10-pin connector, grey, coupling station under driver seat
T10au	10-pin connector, black, coupling station under front passenger seat
W6	Glove compartment light
W31	Front left entry light
W32	Front right entry light
W33	Rear left entry light
W34	Rear right entry light
366	Earth connection 1, in main wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
637	Earth point, airbag control unit
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	For Multivan only
***	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
****	applicable from June 2003
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/	applicable up to May 2003

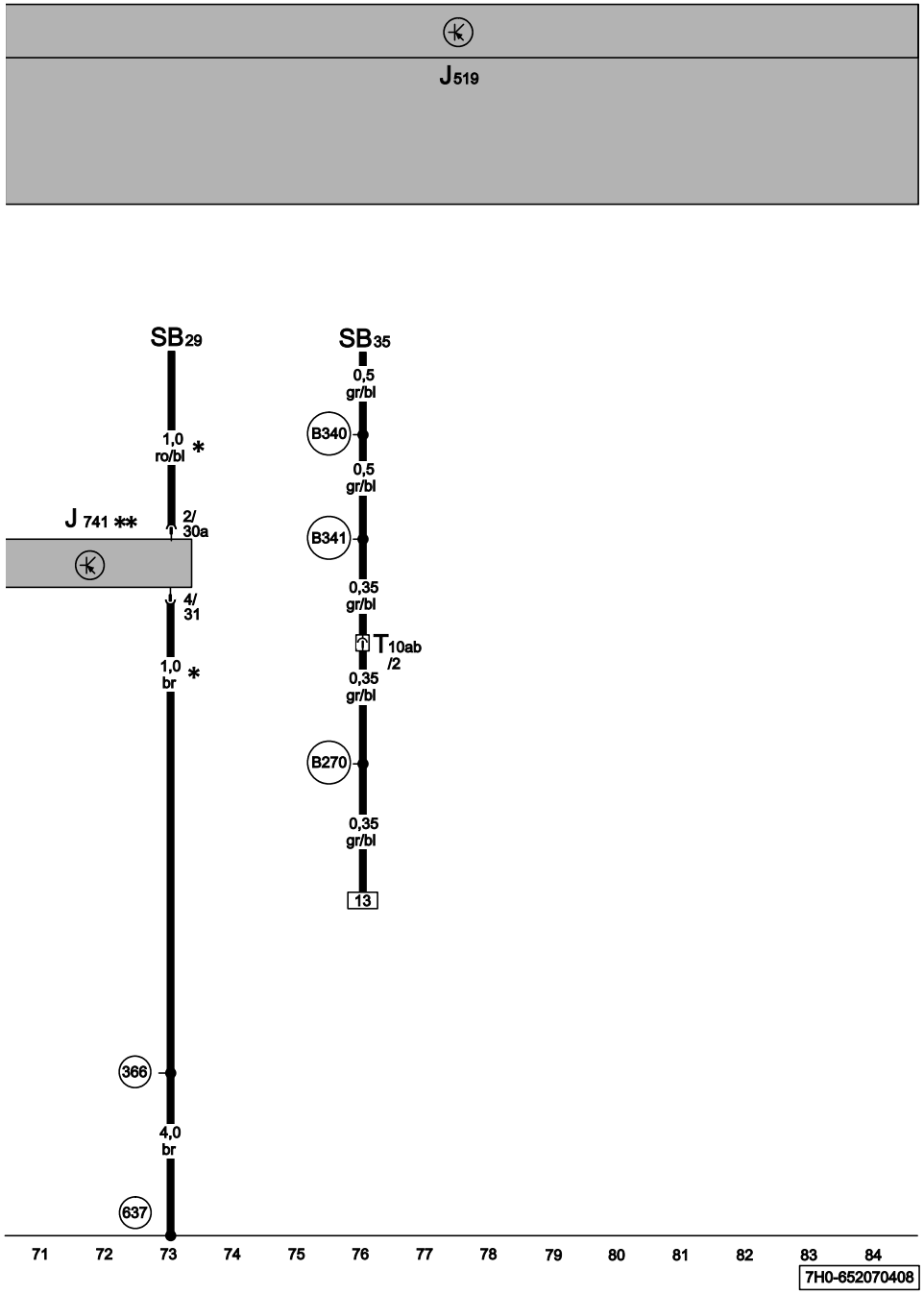
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li	=	purple	scaling="
ge	=	yellow	uniform"/
or	=	orange	>
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Driver and front passenger side door contact switch, rear left and right door contact switch, dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	⇒ Current Flow Diagram: convenience system
**	for models without electric sliding doors/power latching system only, applicable from June 2003
***	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
****	on relay carrier (2) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dual signal inverter relay

J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
SB35	Fuse 35 on fuse holder B
T10ab	10-pin connector, white, coupling station on left of A-pillar
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
B270	Connection (58s), in roof wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
*	for models without electric sliding doors/power latching system only, applicable from June 2003
**	on relay carrier (2) cockpit ⇒ Fitting Locations

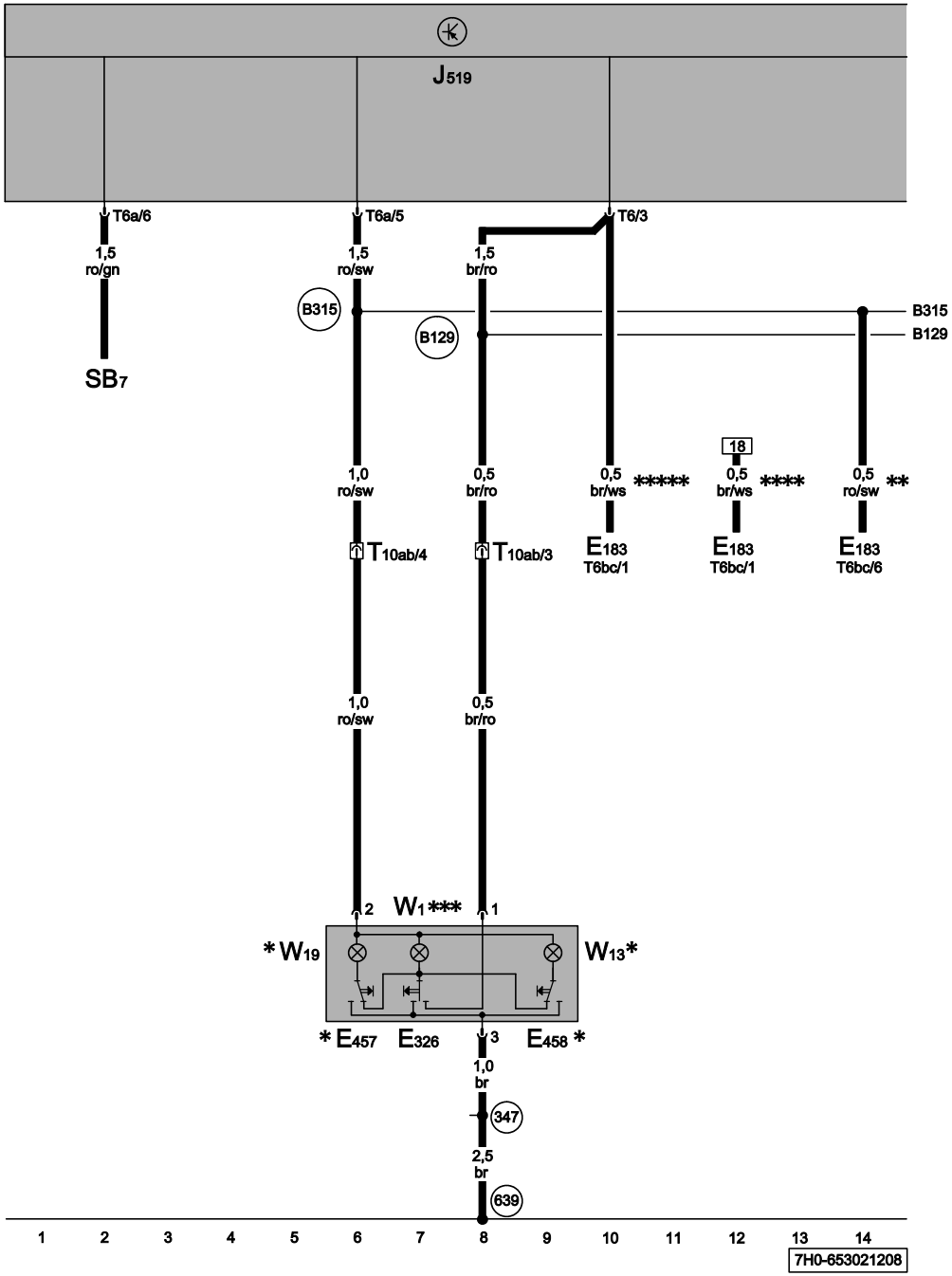
Utility vehicles interior lighting (box-type delivery van or hybrid vehicle, double cab/ plank bed)

⇒ **Luggage compartment illumination**
⇒ **Step illumination**
from March 2003

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

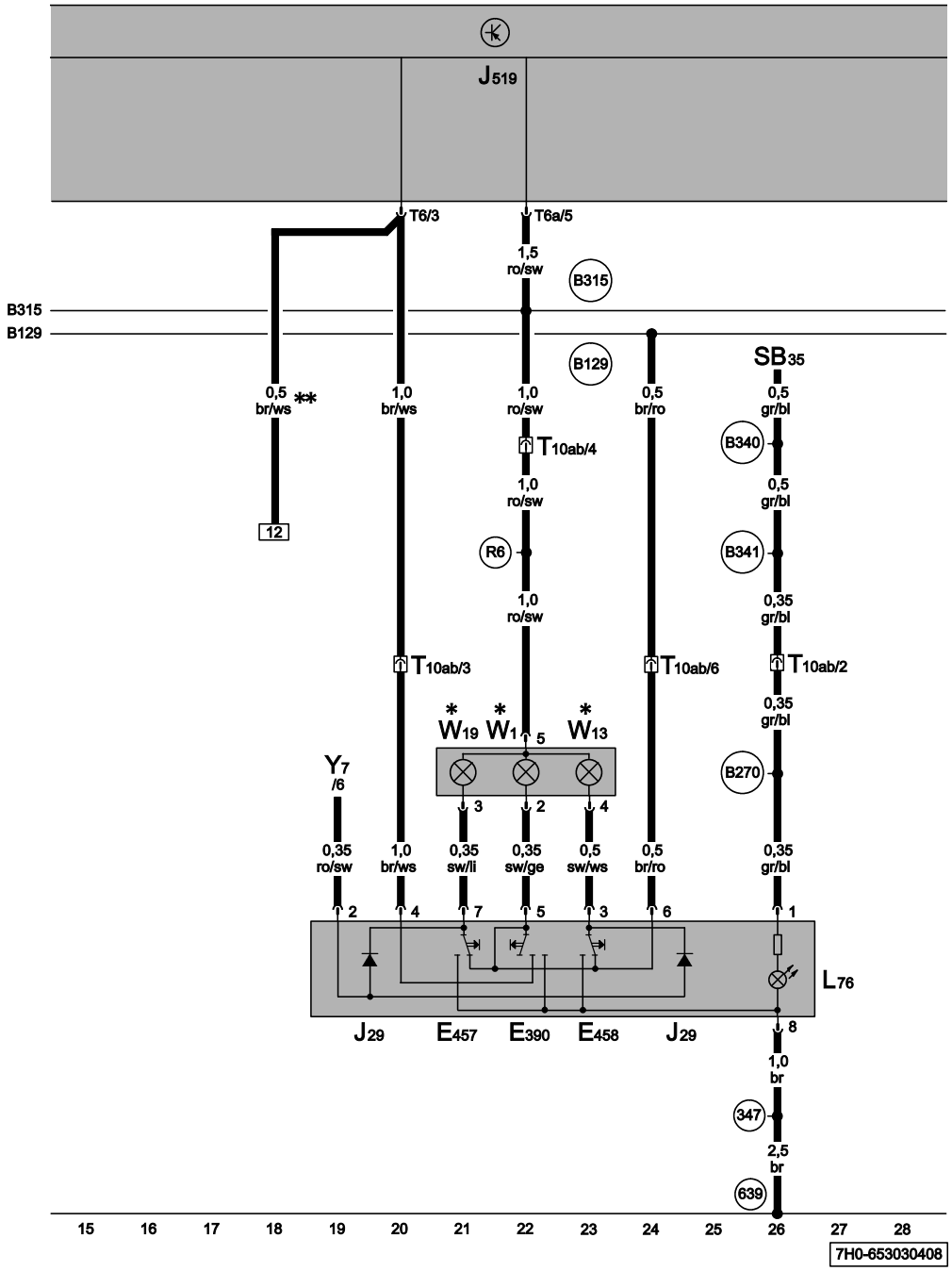


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SB7	Fuse 7 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness

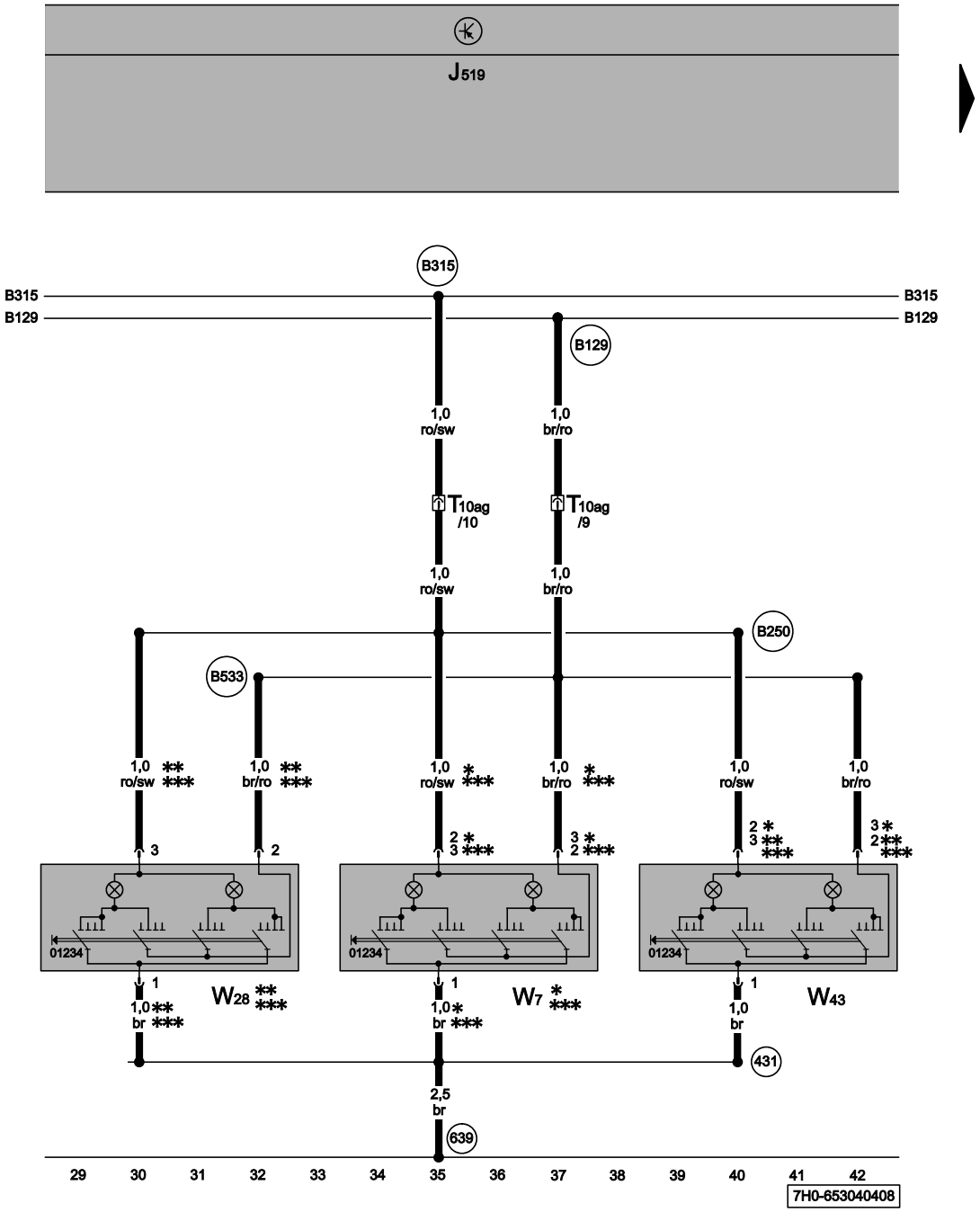
*	depends on equipment
**	for models with anti-theft alarm system only 7AL/7AQ
***	for models without roof console only
****	for models with anti-theft alarm system only 7AL/7AQ and roof console
*****	for models with anti-theft alarm system only 7AL/7AQ and without roof console



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights

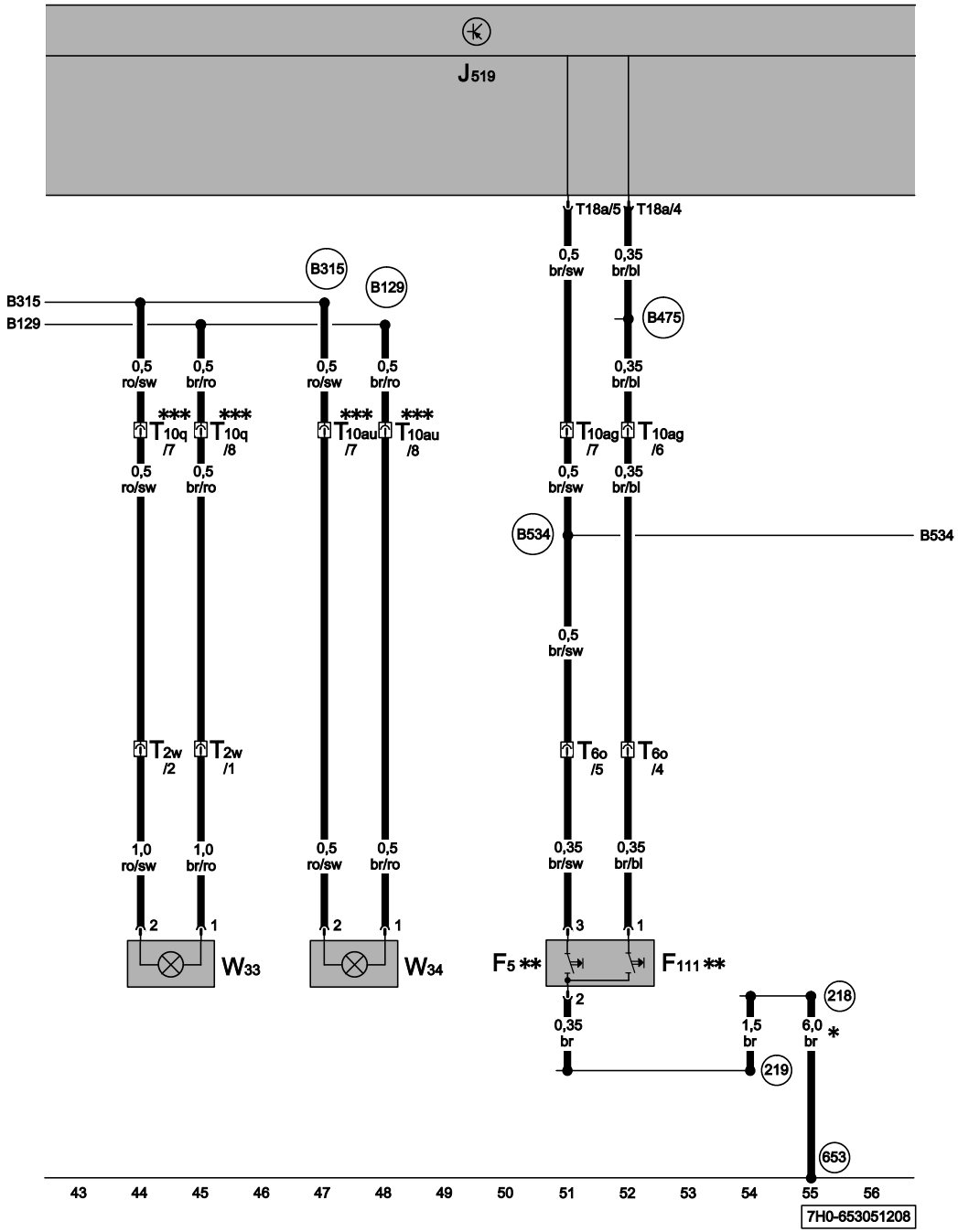
E390	Interior lighting central switch button
E457	Driver side reading light button
E458	Front passenger side reading light button
J29	Blocking diode
J519	Onboard supply control unit
L76	Button illumination bulb
SB35	Fuse 35 on fuse holder B
T6	6-pin connector, black
T6a	6-pin connector, brown
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B270	Connection (58s), in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models with roof console only
**	for models with anti-theft alarm system only 7AL/7AQ and roof console



Front interior light, centre and rear (for models with sliding doors only)

J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
W7	Centre interior light
W28	Front interior light in high roof
W43	Rear interior light
431	Earth connection 2, in roof wiring harness
639	Earth point, left A-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B250	Positive connection in roof wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B533	Connection 1 (DCt), in roof wiring harness
*	for models with flat roof without roof ventilator only
**	for models with middle hight roof only
***	for models with high roof only

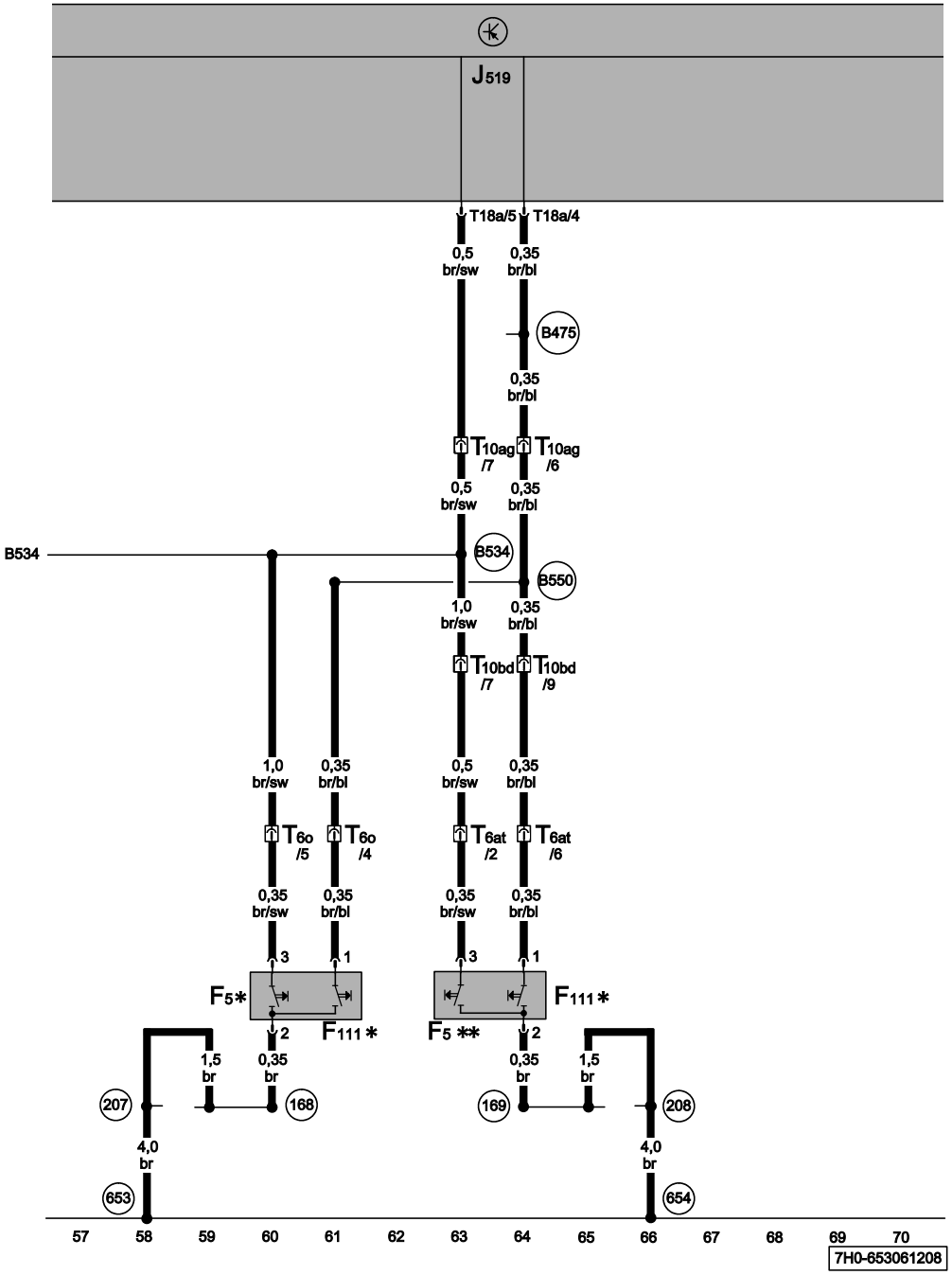
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Luggage compartment light switch (for models with rear lid only), rear entry lights

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T2w	2-pin connector, black, lower left B-pillar
T6o	6-pin connector, red, coupling station on left of D-pillar
T10q	10-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18a	18-pin connector, brown
W33	Rear left entry light
W34	Rear right entry light
218	Earth connection 1, in rear lid wiring harness
219	Earth connection 2, in rear lid wiring harness
653	Earth point, left D-pillar
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	Cross-section 4.0 possible
**	on door lock in rear lid
***	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram

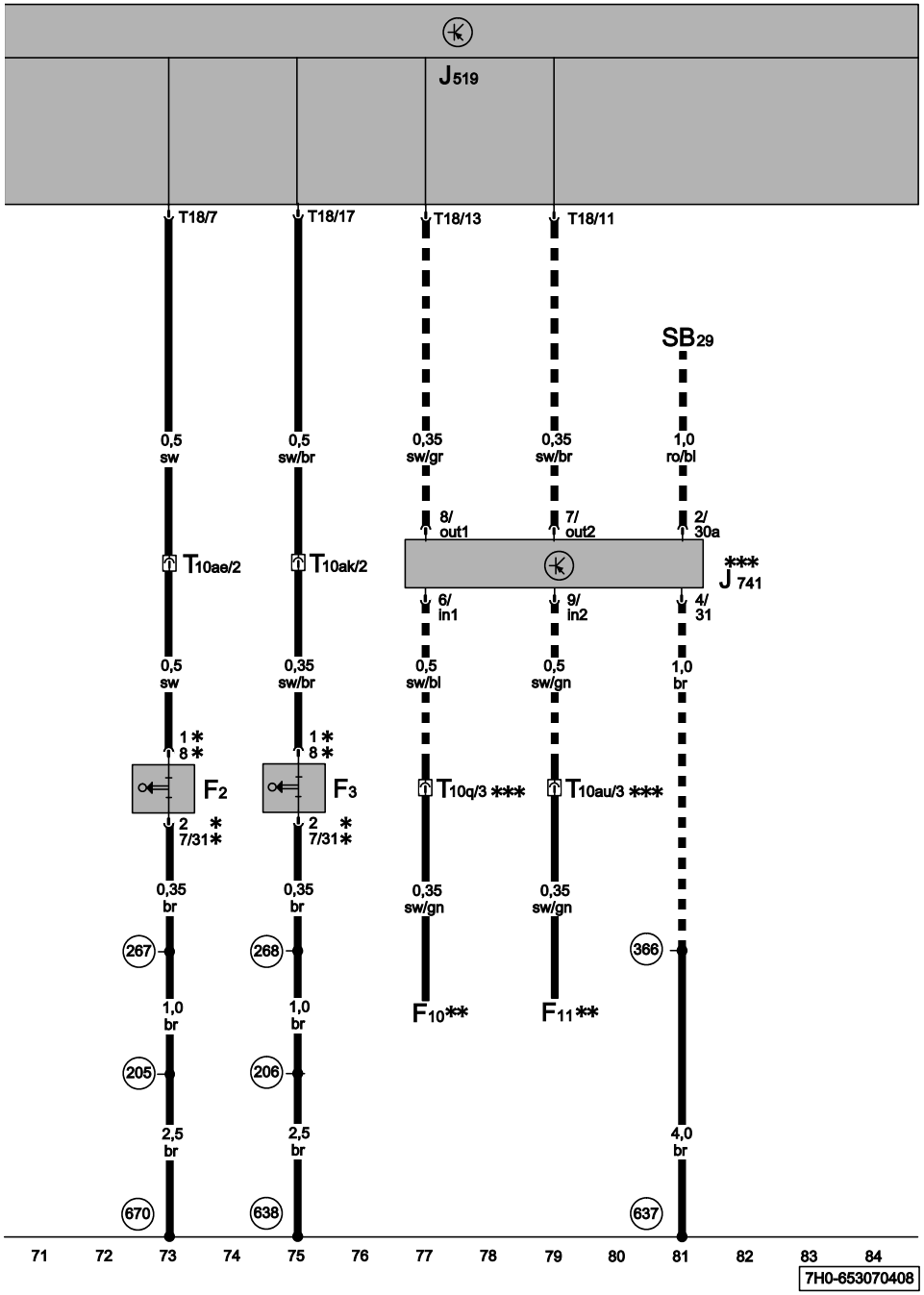
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li	=	purple
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch (for models with rear wing doors only)

F5	Luggage compartment light switch
F111	Rear lid contact switch
J519	Onboard supply control unit
T6o	6-pin connector, red, coupling station on left of D-pillar
T6at	6-pin connector, blue, coupling station on right of D-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bd	10-pin connector, green, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
169	Earth connection, in rear right wing door wiring harness
207	Earth connection, in rear left door wiring harness
208	Earth connection, in rear right door wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
B550	Connection 1 (rear wing doors switch), in roof wiring harness
*	On door lock in left rear wing door
**	On door lock in right rear wing door



ws = white

Driver and front passenger side door contact switch, rear door contact switch (for models with sliding doors), dual signal inverter relay

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10au	10-pin connector, black, coupling station under front passenger seat
T18	18-pin connector, black
205	Earth connection, in driver door wiring harness
206	Earth connection, in door wiring harness, front passenger side
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	depends on equipment
**	⇒ Current Flow Diagram: convenience system
***	models up to May 2003 ⇒ adapter wire inverter relay Current Flow Diagram
****	on relay carrier (2) cockpit ⇒ Fitting Locations
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or	=	orange	>
rs	=	pink	

Parking aid (PDC)

from January 2007

Notes:

For information concerning

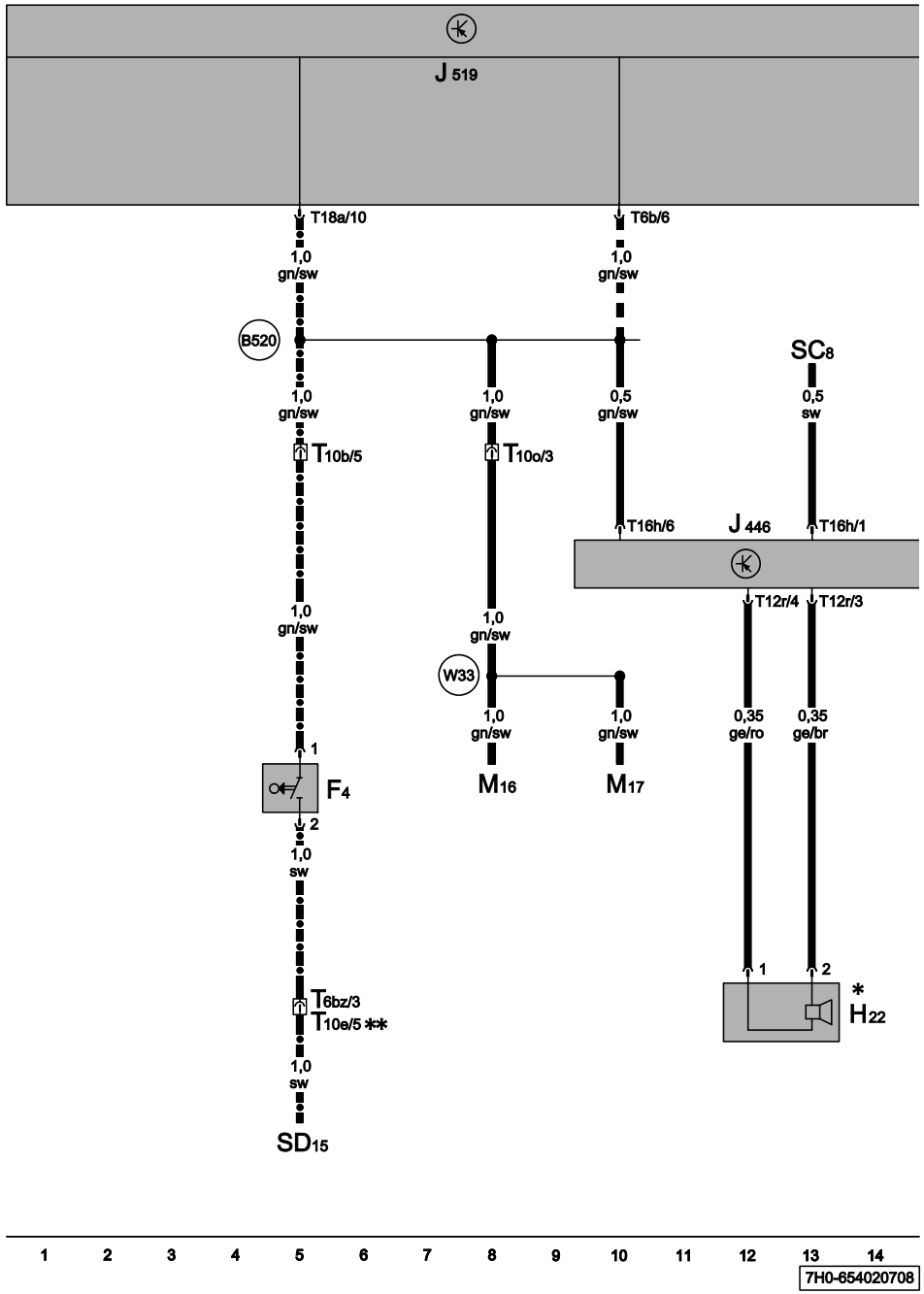
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Onboard supply control unit, parking aid control unit, reversing light switch, front parking aid warning buzzer, fuses

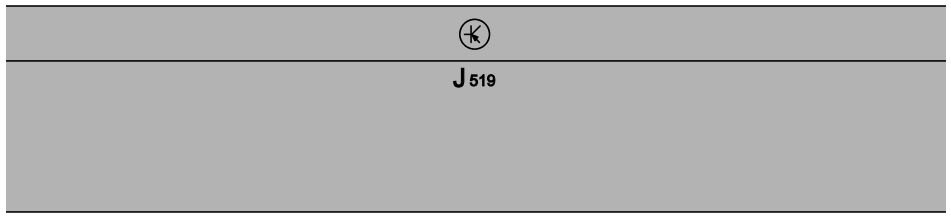
F4	Reversing light switch
H22	Front parking aid warning buzzer
J446	Parking aid control unit
J519	Onboard supply control unit
M16	Left reversing light bulb
M17	Right reversing light bulb
SC8	Fuse 8 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T6bz	6-pin connector, light-pink, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12r	12-pin connector, brown
T16h	16-pin connector, brown
T18a	18-pin connector, brown
B520	Connection (RL), in main wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with parking aid front and rear only
**	applicable from June 2007

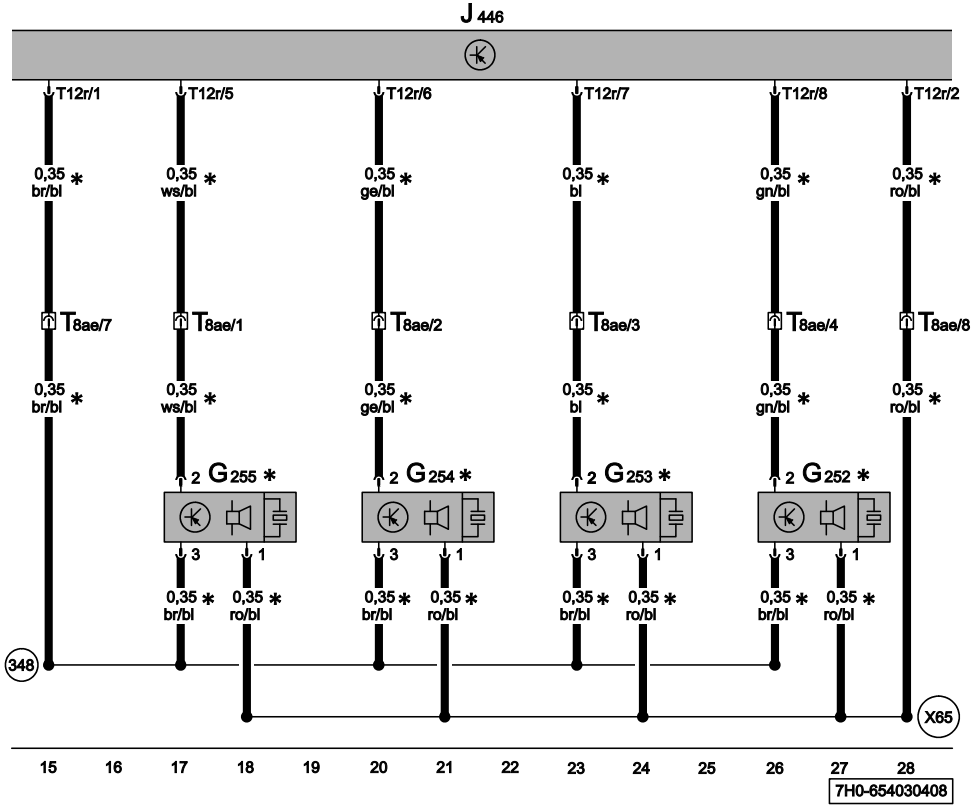
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for models with manual gearbox only

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for models with automatic gearbox only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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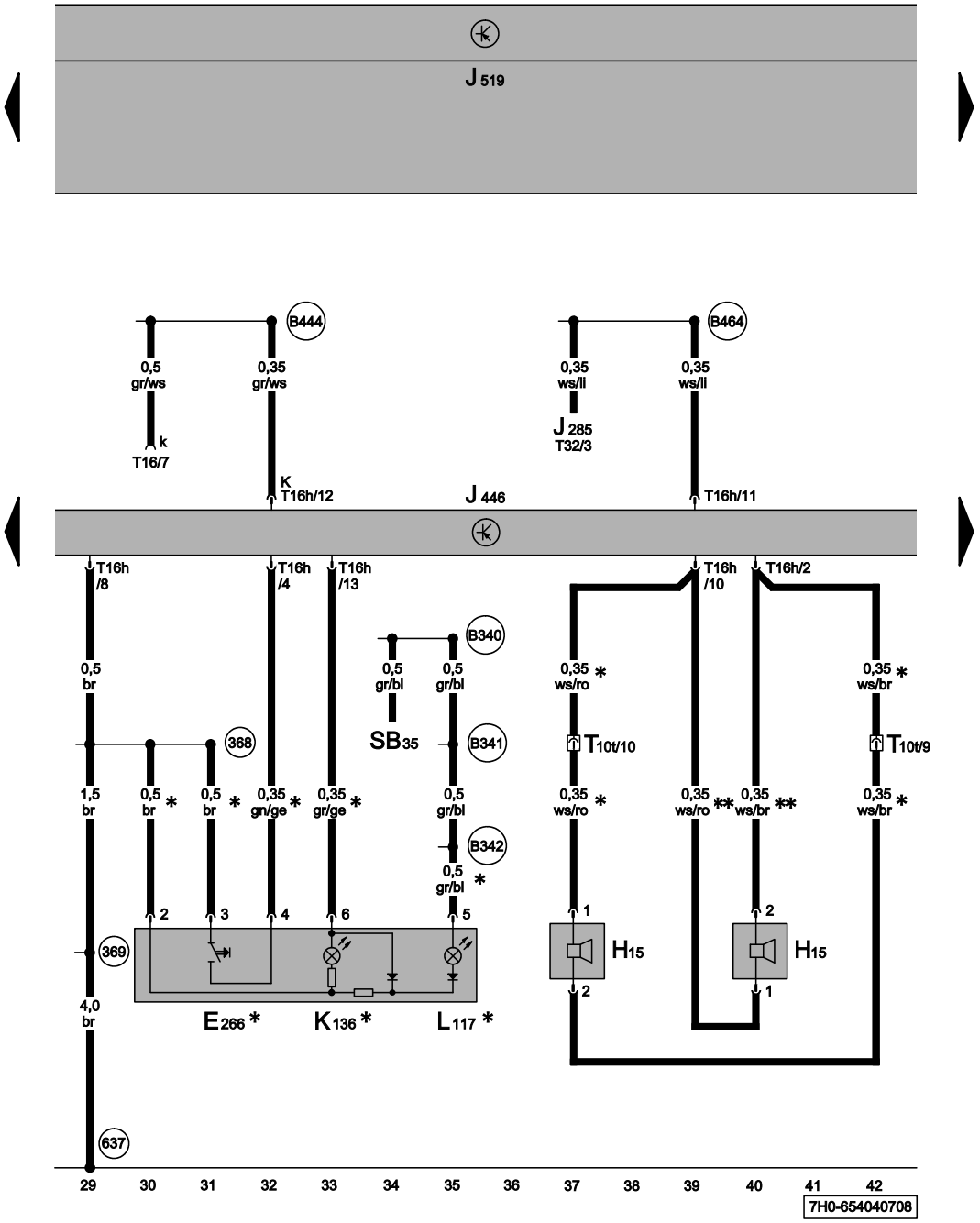




Parking aid control unit, front parking aid sender

G252	Front right parking aid sender
G253	Front centre right parking aid sender
G254	Front centre left parking aid sender
G255	Front left parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T8ae	8-pin connector, black, near headlight, front right
T12r	12-pin connector, brown
348	Earth connection (parking aid), in front bumper wiring harness
X65	Connection (parking aid), in front bumper wiring harness
*	for models with parking aid front and rear only

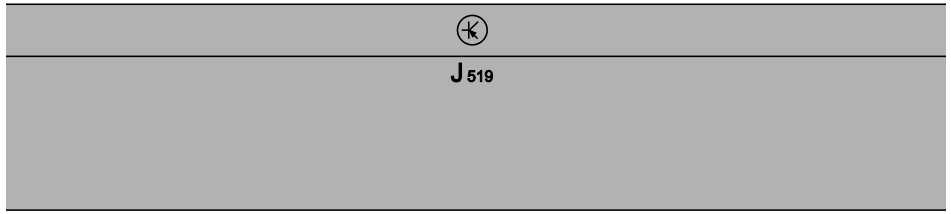
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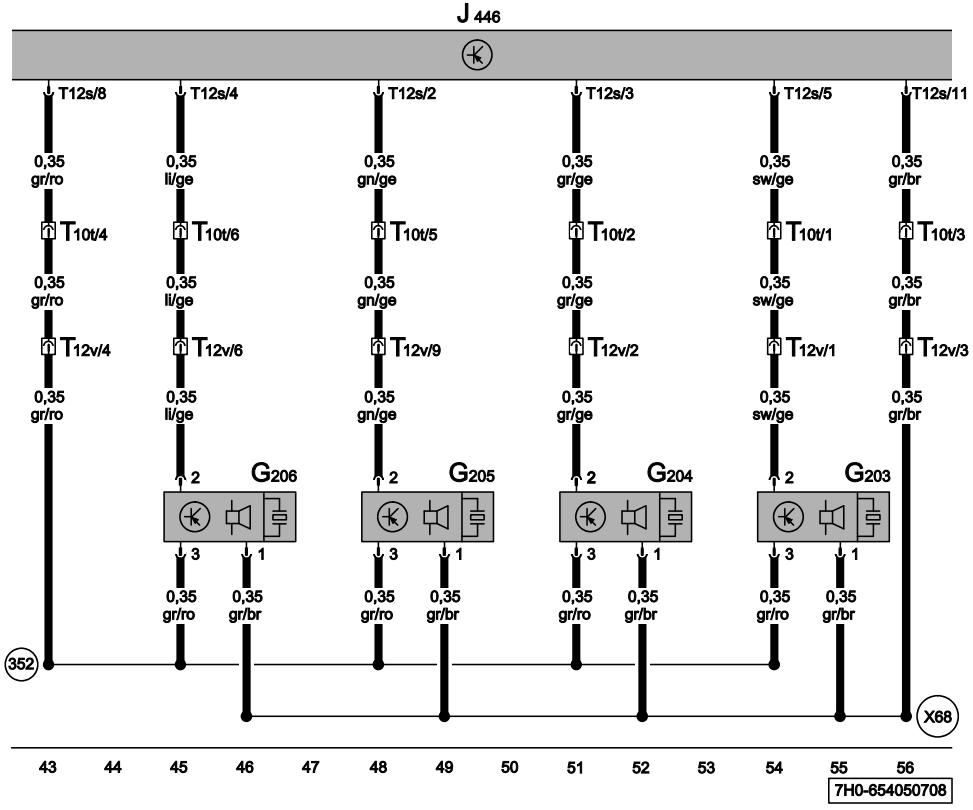
Parking aid control unit, parking aid button, parking aid warning buzzer, diagnostic connector

E266	Parking aid button
H15	Rear parking aid warning buzzer
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
K136	Parking aid warning lamp
L117	Parking aid switch illumination bulb
SB35	Fuse 35 on fuse holder B
T10t	10-pin connector, black, coupling station under driver seat
T16	16-pin connector, diagnostic connector
T16h	16-pin connector, brown
T32	32-pin connector, blue
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	for models with parking aid front and rear only
**	for models with rear parking aid only

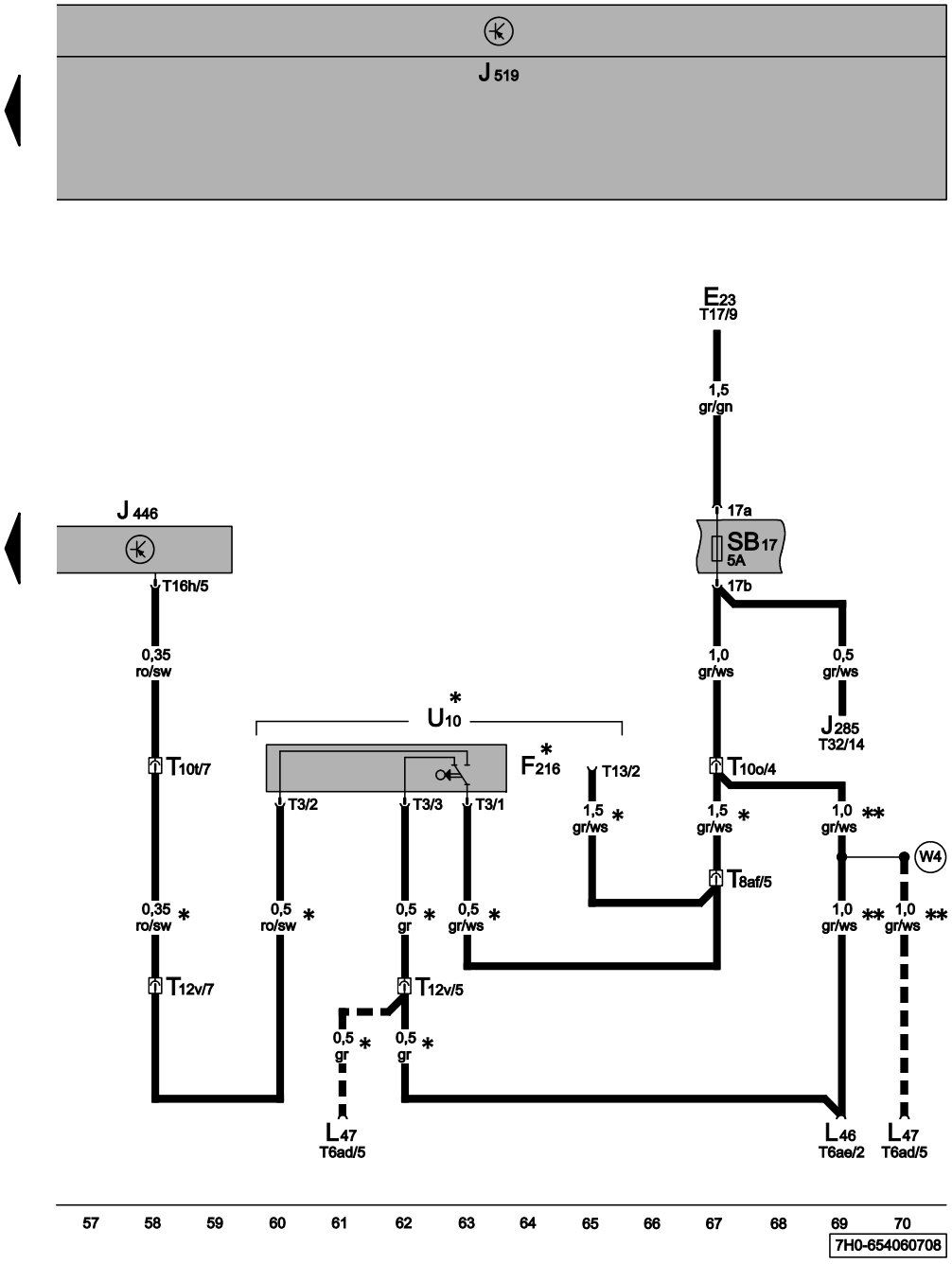


Parking aid control unit, rear parking aid sender

G203	Rear left parking aid sender
G204	Rear centre left parking aid sender
G205	Rear centre right parking aid sender
G206	Rear right parking aid sender
J446	Parking aid control unit
J519	Onboard supply control unit
T10t	10-pin connector, black, coupling station under driver seat
T12s	12-pin connector, black
T12v	12-pin connector, black, coupling station on left of D-pillar
352	Earth connection (parking aid), in rear bumper wiring harness
X68	Connection (parking aid), in rear bumper wiring harness



ws	=	white
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bl	=	blue
gr	=	grey
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rs	=	pink



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Parking aid control unit, rear fog light cut-out contact switch, trailer socket, rear left fog light bulb

E23	Front and rear fog light switch
F216	Rear fog light cut-out contact switch
J285	Control unit in dash panel insert
J446	Parking aid control unit
J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ad	6-pin connector
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
T17	17-pin connector
T32	32-pin connector, blue
U10	Trailer socket
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models with trailer operation only
**	for models without trailer operation only

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for Multivan only, applicable from June 2007

Trailer operation

from January 2007

Notes:

For information concerning

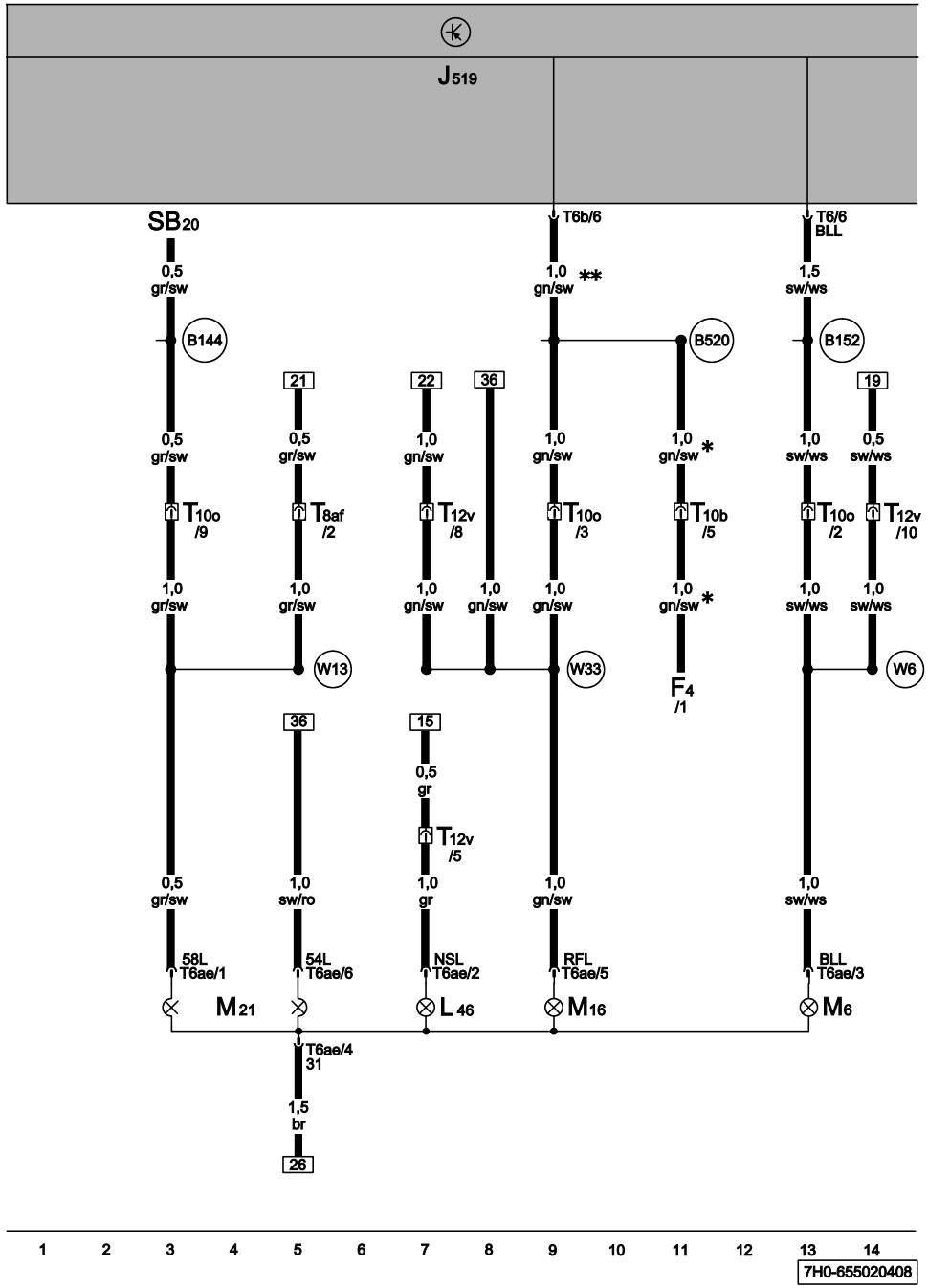
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

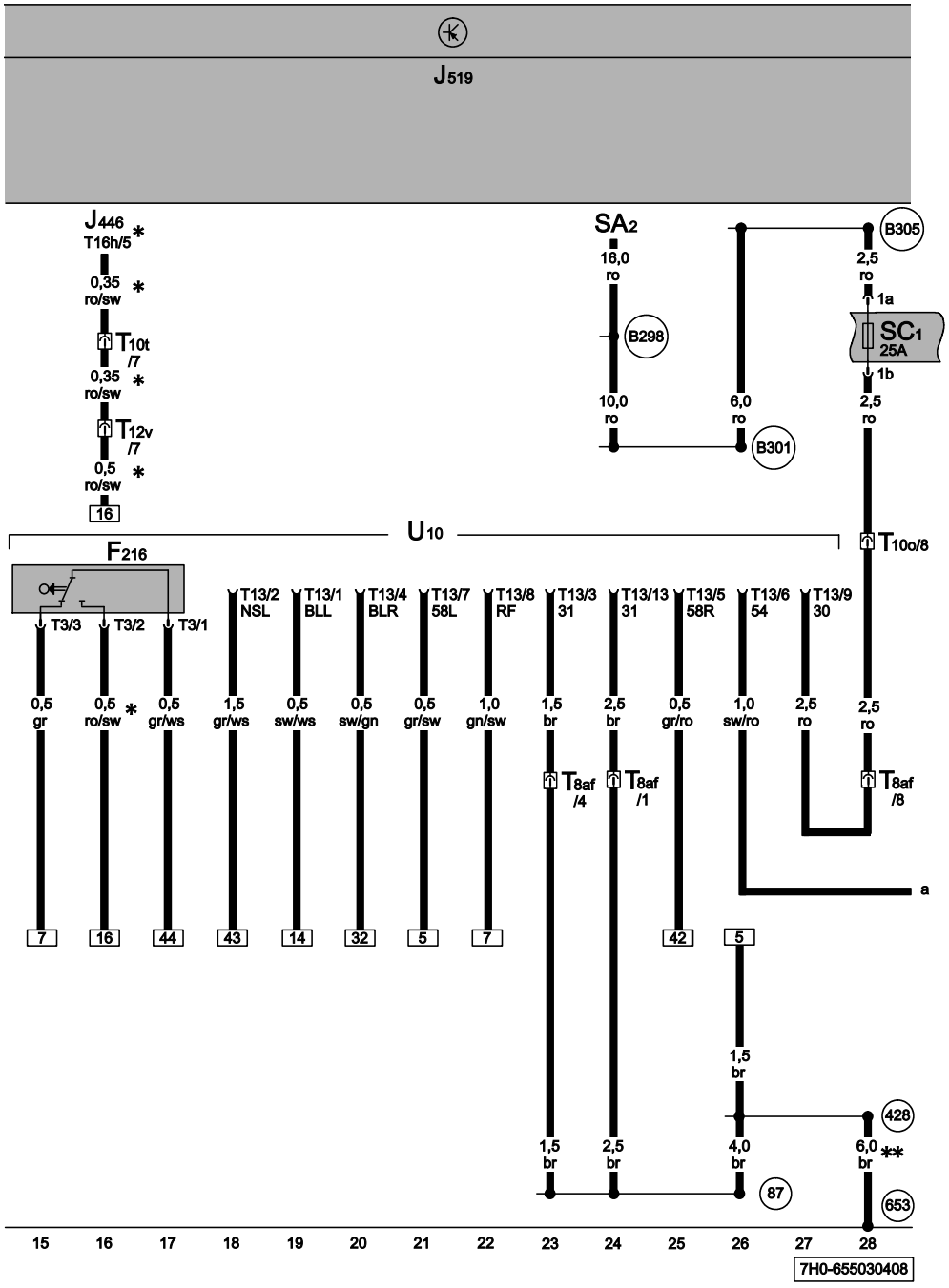
⇒ guided fault finding



ws = white
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rs = pink

Left brake and tail light bulb, rear left fog light bulb, rear left turn signal bulb, left reversing light bulb

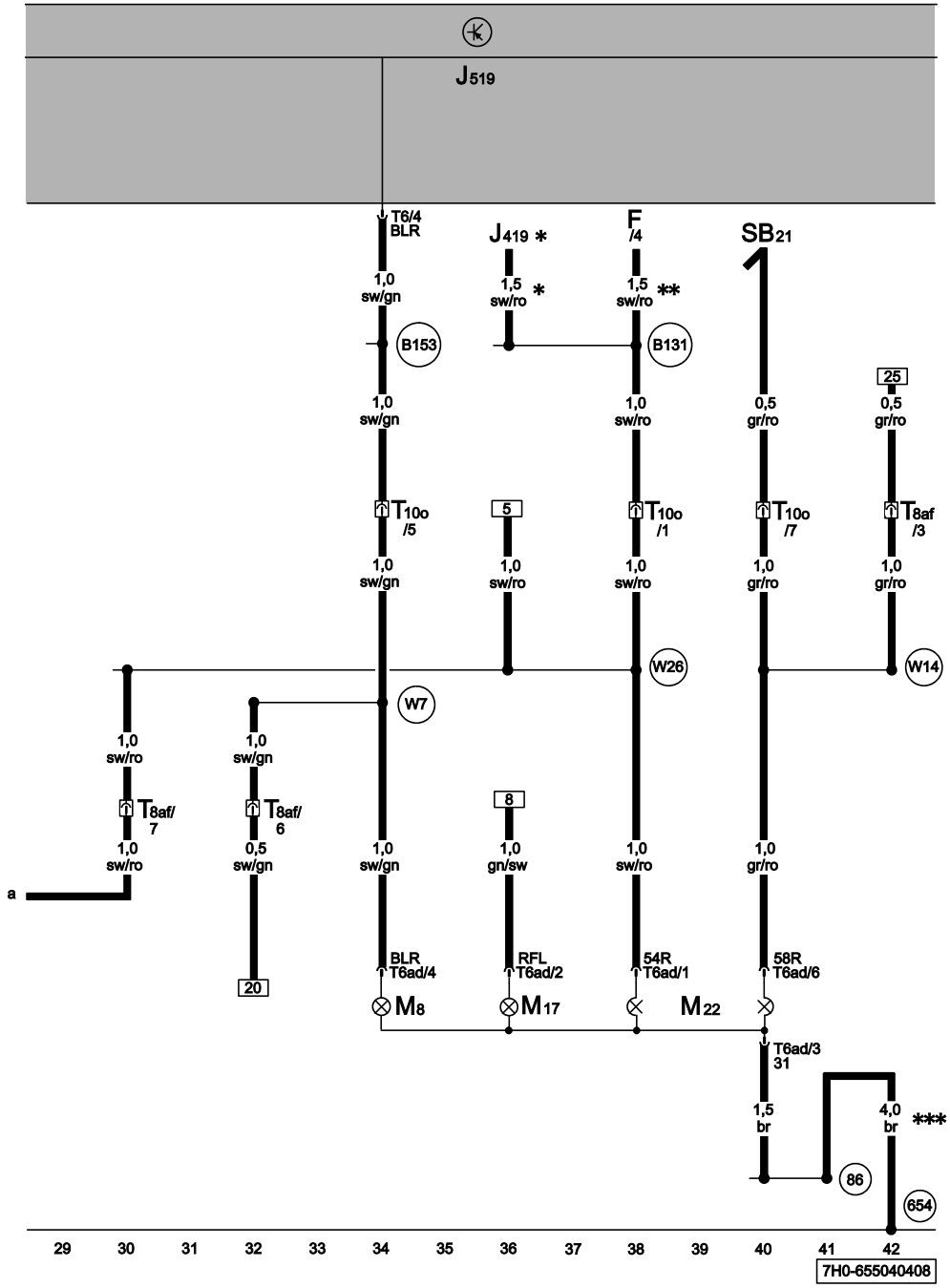
F4	Reversing light switch
J519	Onboard supply control unit
L46	Rear left fog light bulb
M6	Rear left turn signal bulb
M16	Left reversing light bulb
M21	Left brake and tail light bulb
SB20	Fuse 20 on fuse holder B
T6	6-pin connector, black
T6b	6-pin connector, red
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
B144	Positive connection (58L), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B520	Connection (RL), in main wiring harness
W6	Connection (left turn signal), in rear wiring harness
W13	Connection (58L), in rear wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox, signal output only



ws = white
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Trailer socket, rear fog light cut-out contact switch

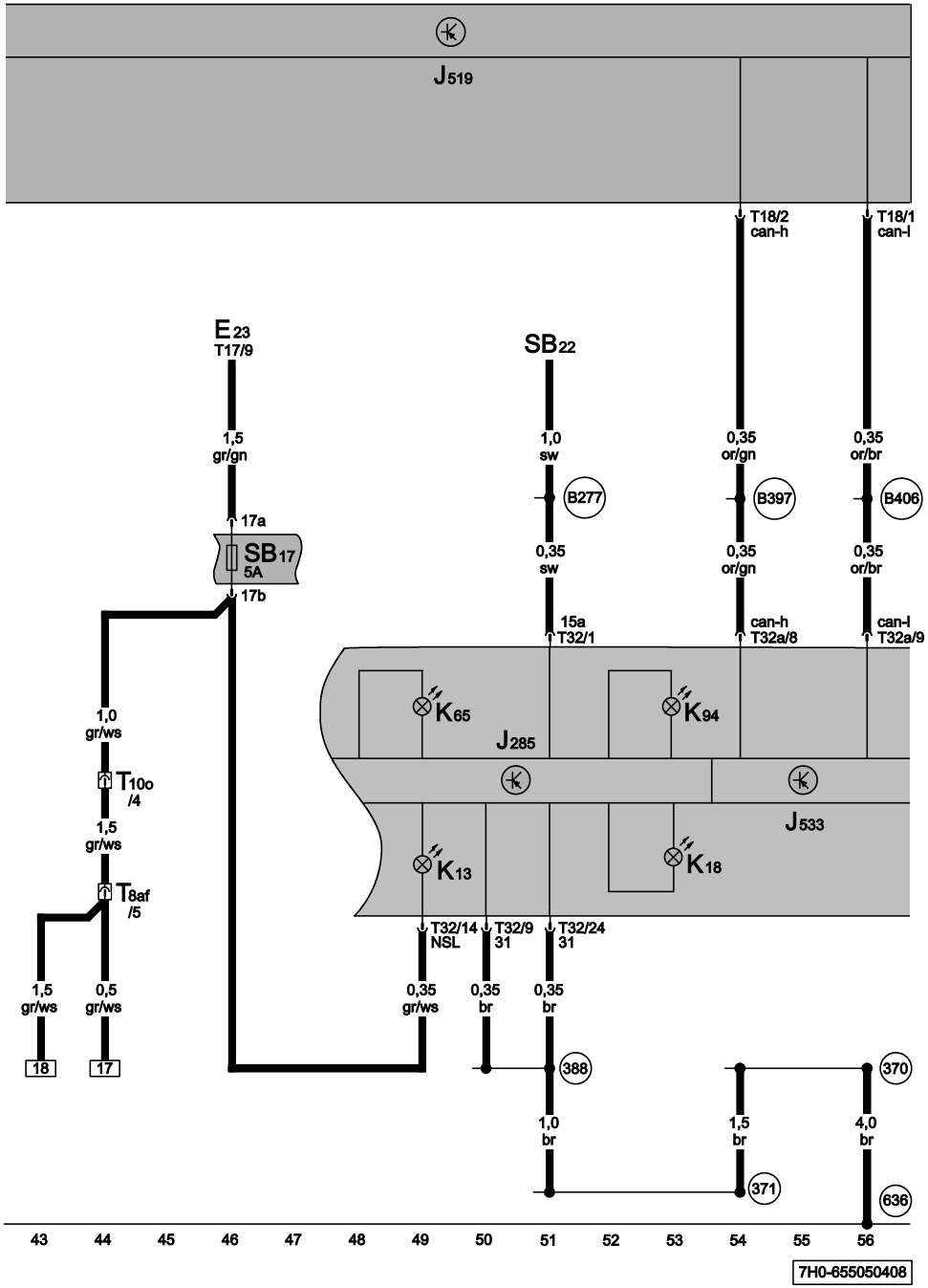
F216	Rear fog light cut-out contact switch
J446	Parking aid control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC1	Fuse 1 on fuse holder C
T3	3-pin connector, trailer socket
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10t	10-pin connector, black, coupling station under driver seat
T12v	12-pin connector, black, coupling station on left of D-pillar
T13	13-pin connector
T16h	16-pin connector, brown
U10	Trailer socket
87	Earth connection 2, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
*	for models with parking aid only
**	cross-section depends on equipment



ws = white
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Right brake and tail light bulb, rear right turn signal bulb, right reversing light bulb

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M8	Rear right turn signal bulb
M17	Right reversing light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6	6-pin connector, black
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W7	Connection (right turn signal), in rear wiring harness
W14	Connection (58R), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
*	for models with ESP only ⇒ ABS Current Flow Diagram
**	for models without ESP only
***	cross-section depends on equipment



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Control unit in dash panel insert, warning lamps

E23	Front and rear fog light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
K13	Rear fog light warning lamp
K18	Trailer operation warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
SB17	Fuse 17 on fuse holder B
SB22	Fuse 22 on fuse holder B
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17	17-pin connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

Day driving light

from November 2007

Notes:

For information concerning

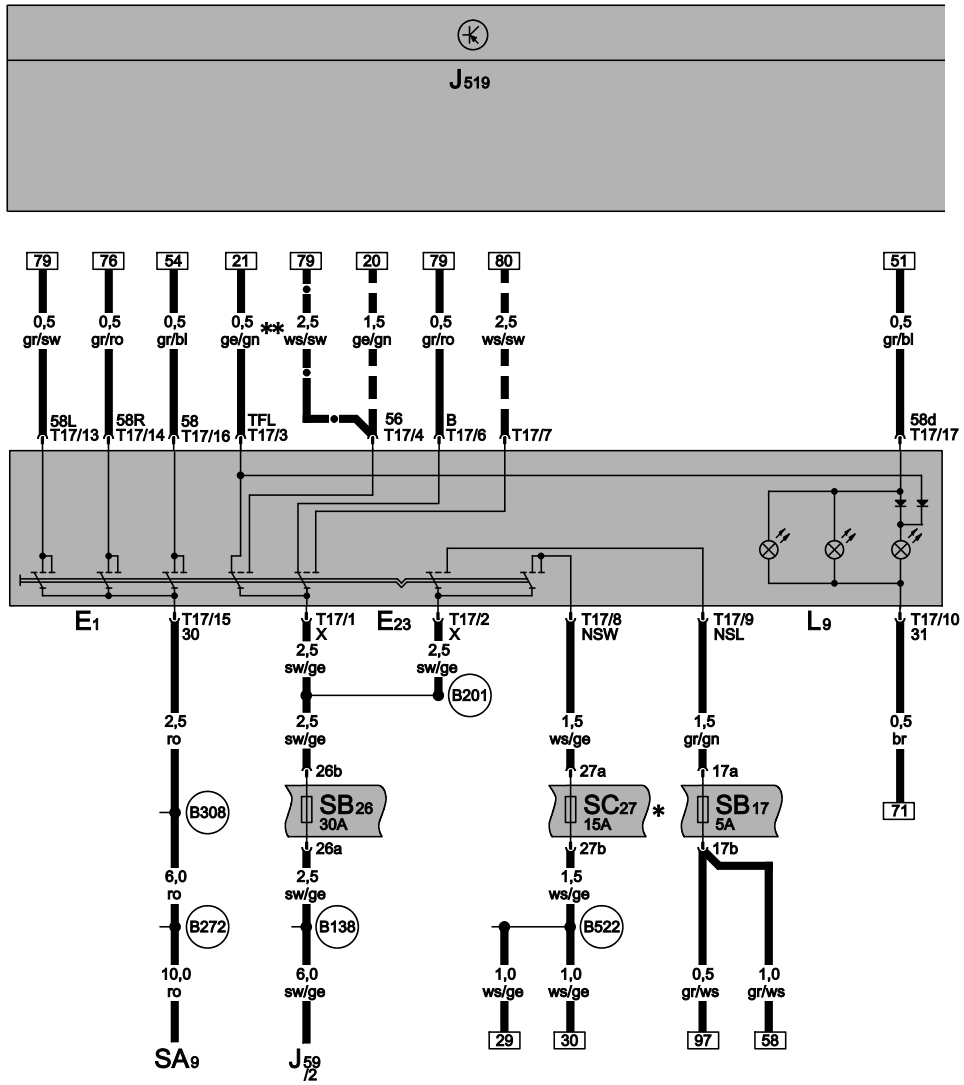
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch, fuses

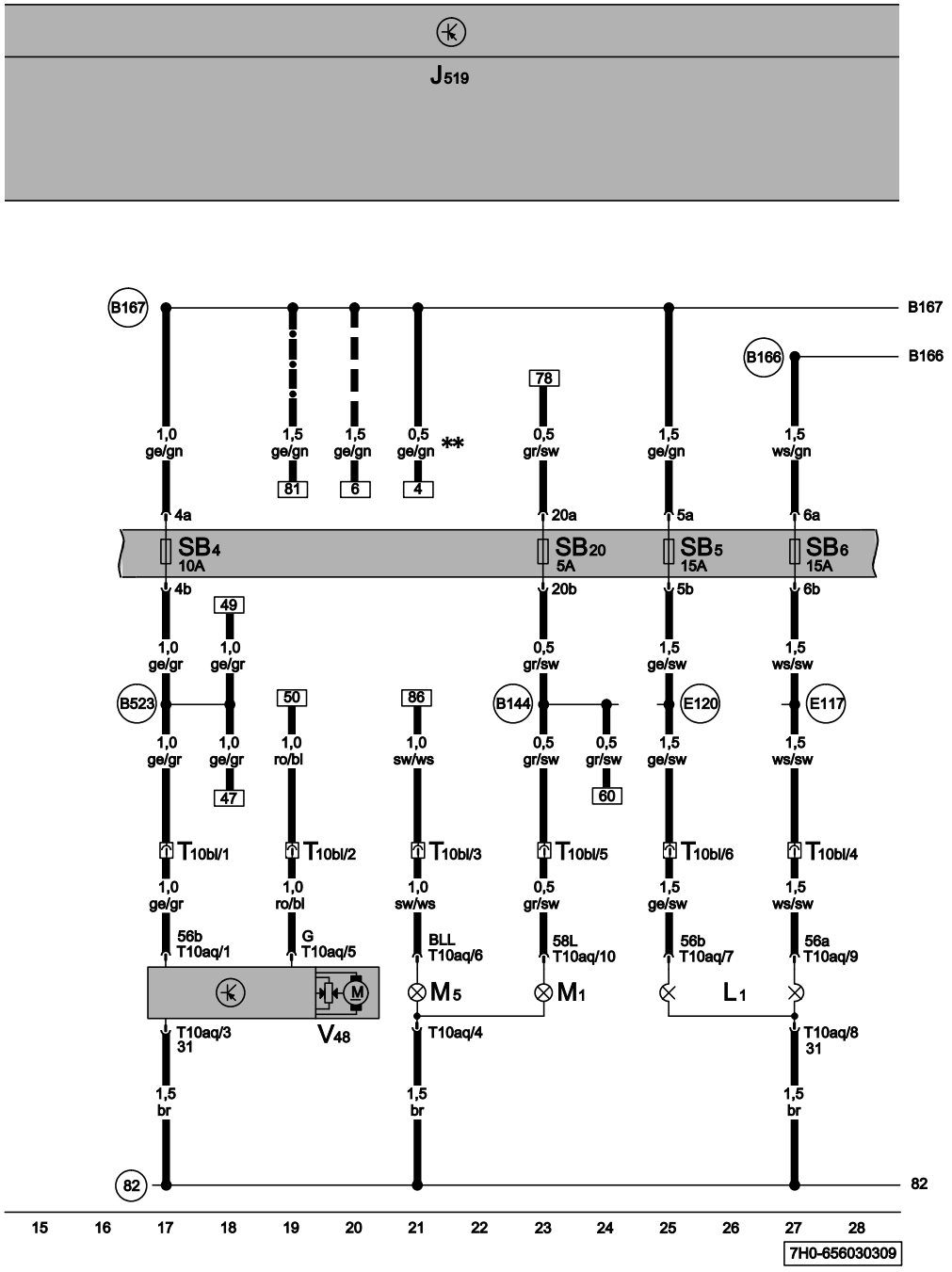
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
SC27	Fuse 27 on fuse holder C
T17	17-pin connector
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights

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for multivan, business, caravelle and camper Comfortline only

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applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles

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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white

Left headlight twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor, fuses

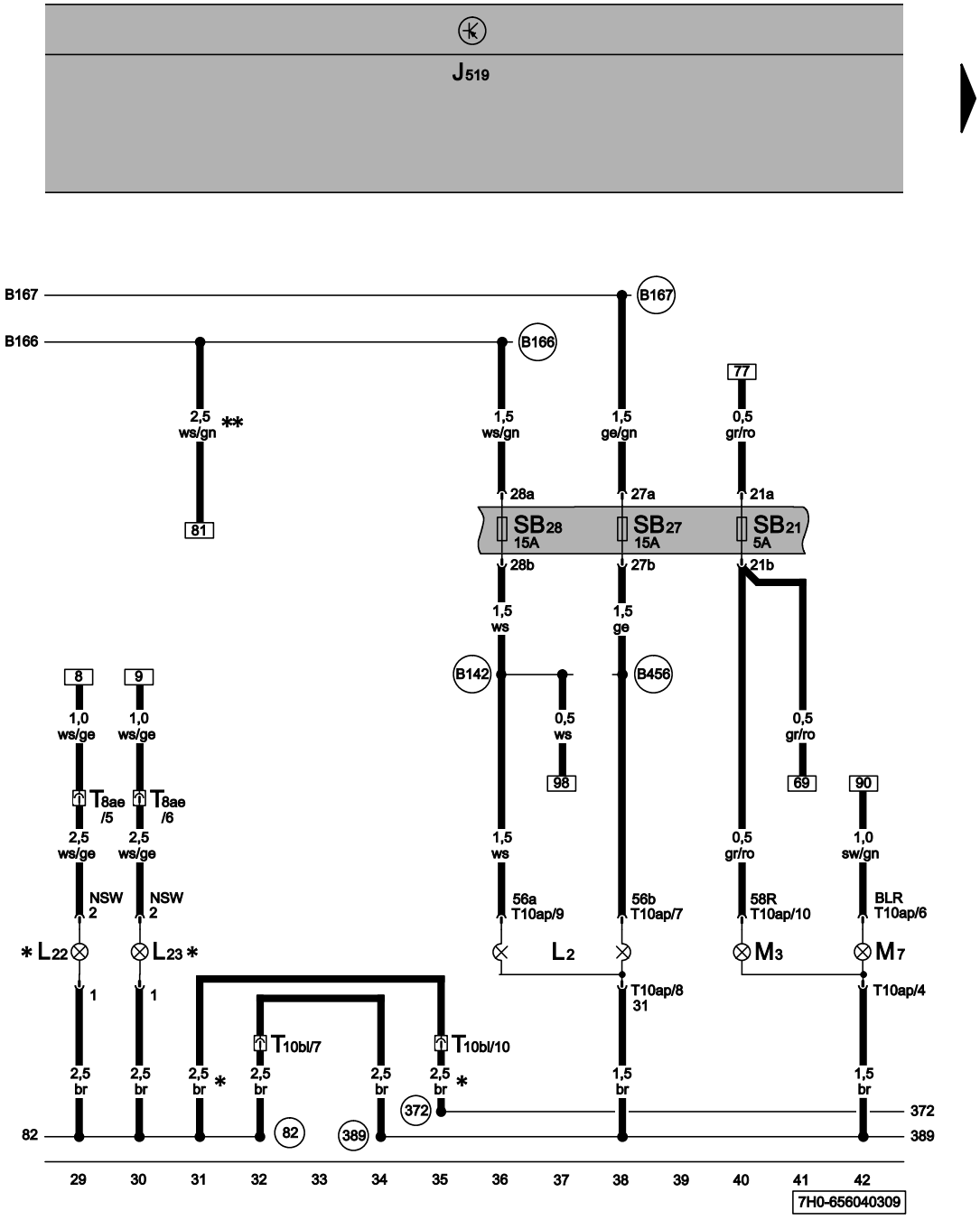
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
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ge	=	yellow
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rs	=	pink

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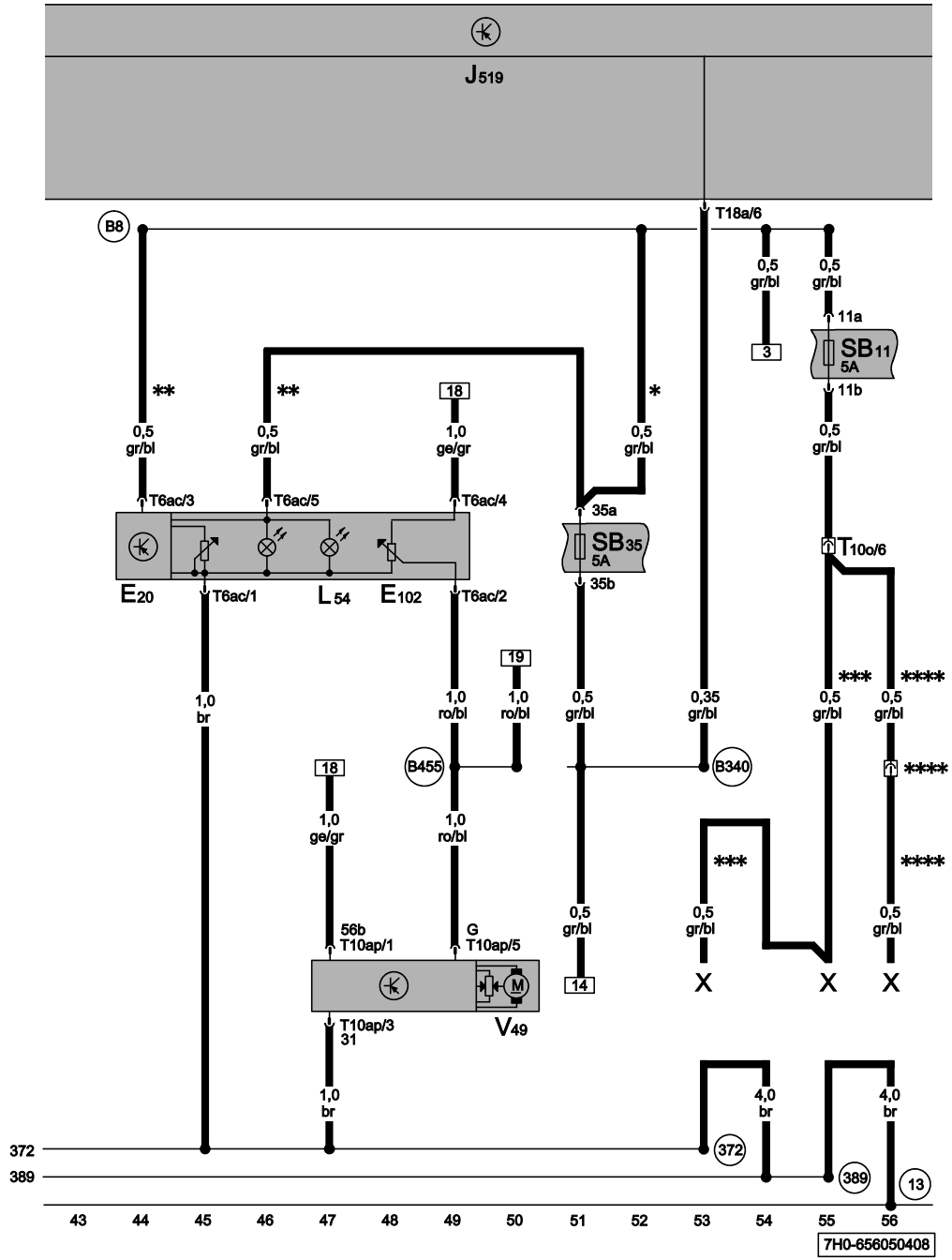
applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, fog light bulb, fuses

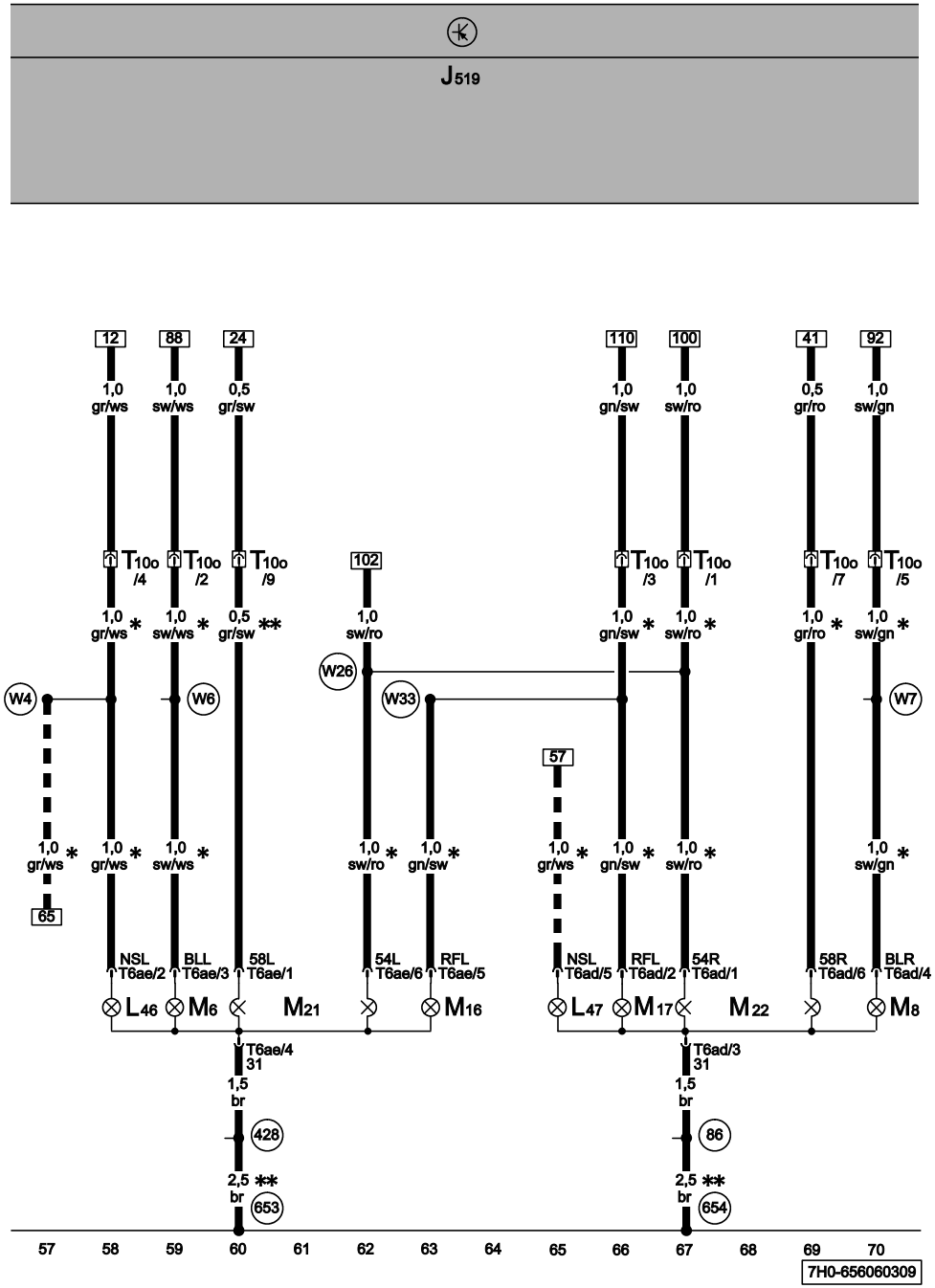
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



ws = white
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br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light, fuses

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	⇒ tail lights plank bed Current Flow Diagram
****	⇒ basic equipment/ rear wing doors Current Flow Diagram

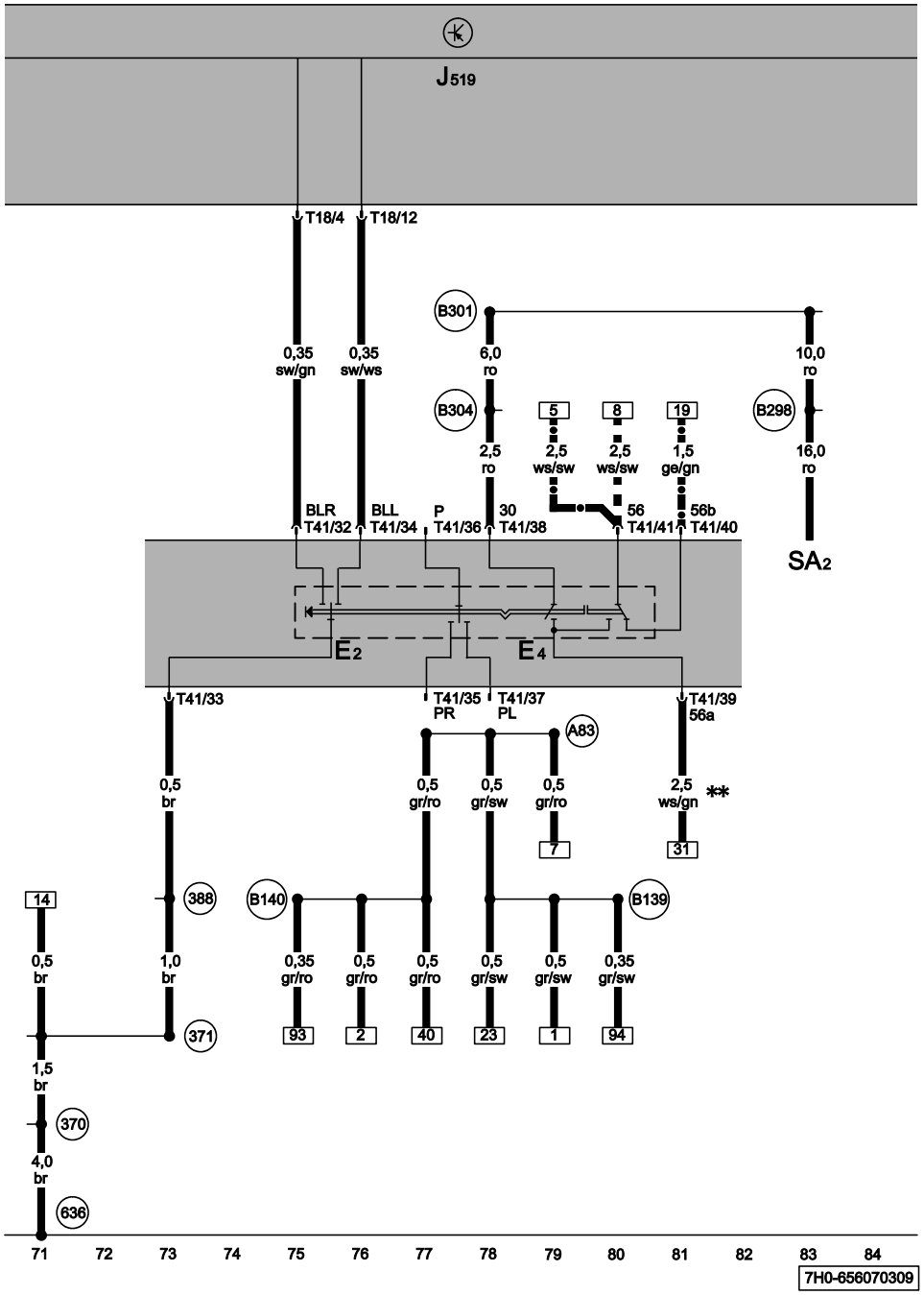


ws = white

Left and right brake and tail light bulb, rear left and right turn signal bulb, reversing light, rear fog light

J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
W4	Connection 1 (rear fog lights), in rear wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	not for double cab and plank bed vehicles
**	cross-section depends on equipment
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ge	=	yellow	scaling="
or	=	orange	uniform"/
rs	=	pink	>



Onboard supply control unit, turn signal switch, headlight dipper/flasher switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
**	for models without taxi equipment only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-	for multivan, business, caravelle and camper Comfortline only

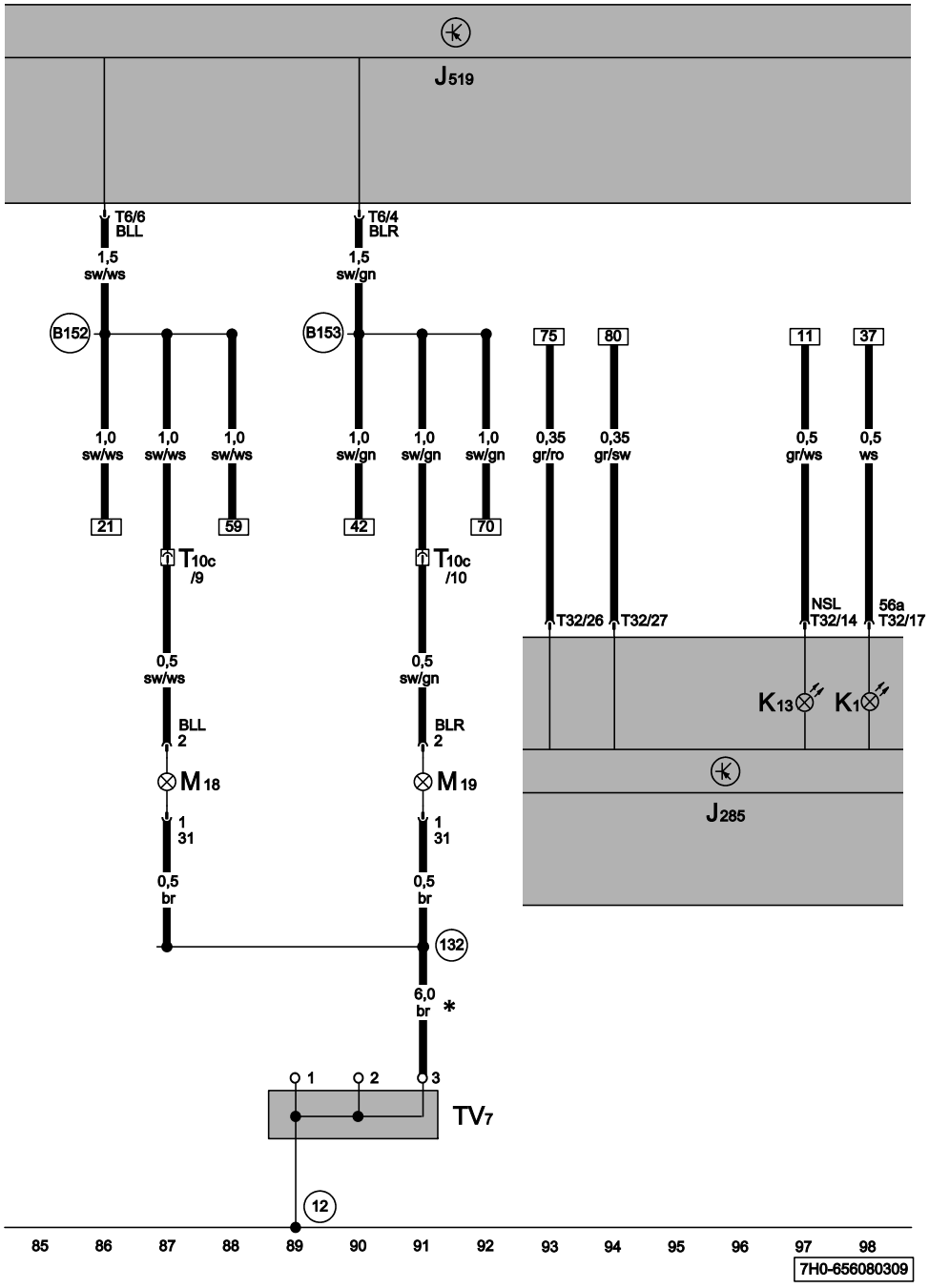
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br	=	brown
gn	=	green
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ge	=	yellow
or	=	orange
rs	=	pink

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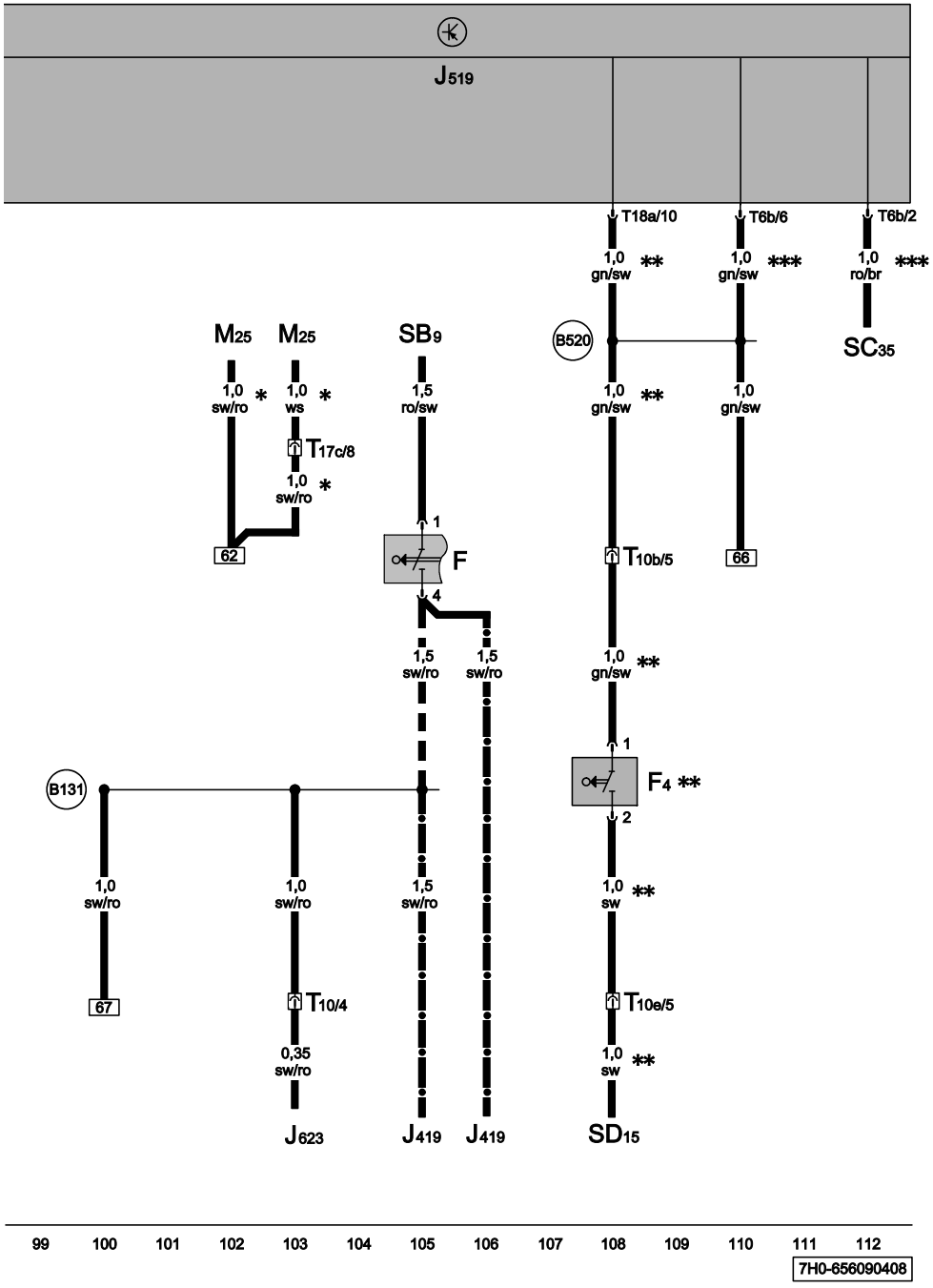
applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles



Onboard supply control unit, warning lamps, side mounted turn signal bulbs, control unit in dash panel insert

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 4.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ basic equipment/ rear wing doors Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
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<fo:external-graphic src="/../PDOC/	for models with ABS and ESP only ⇒ ABS Current Flow Diagram

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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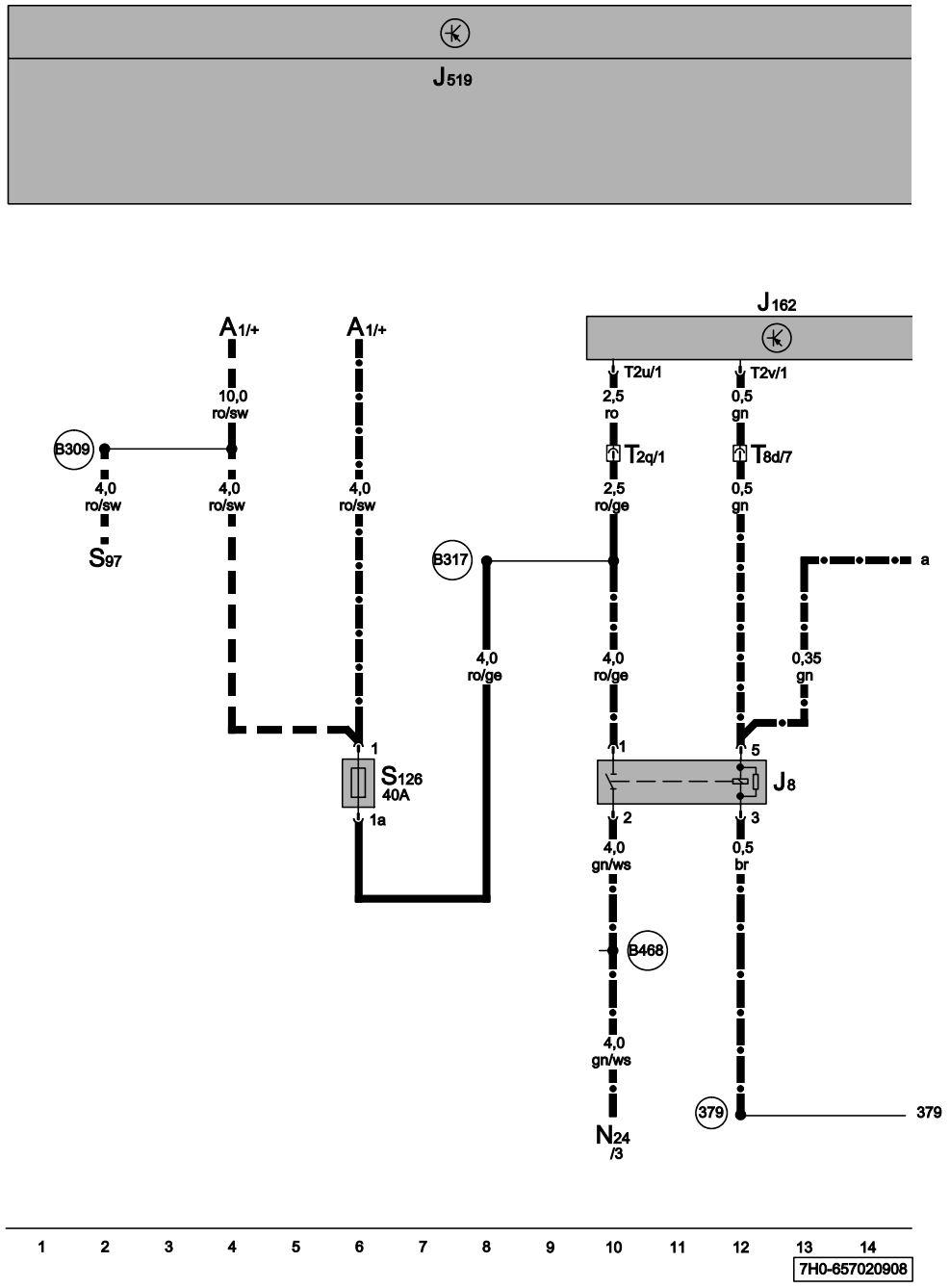
Auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D

⇒ **with time switch clock (7VE)**
⇒ **with remote control (7VL)**
⇒ **Utilisation of residual heat**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Heater control unit, auxiliary heater fuse, auxiliary heater relay

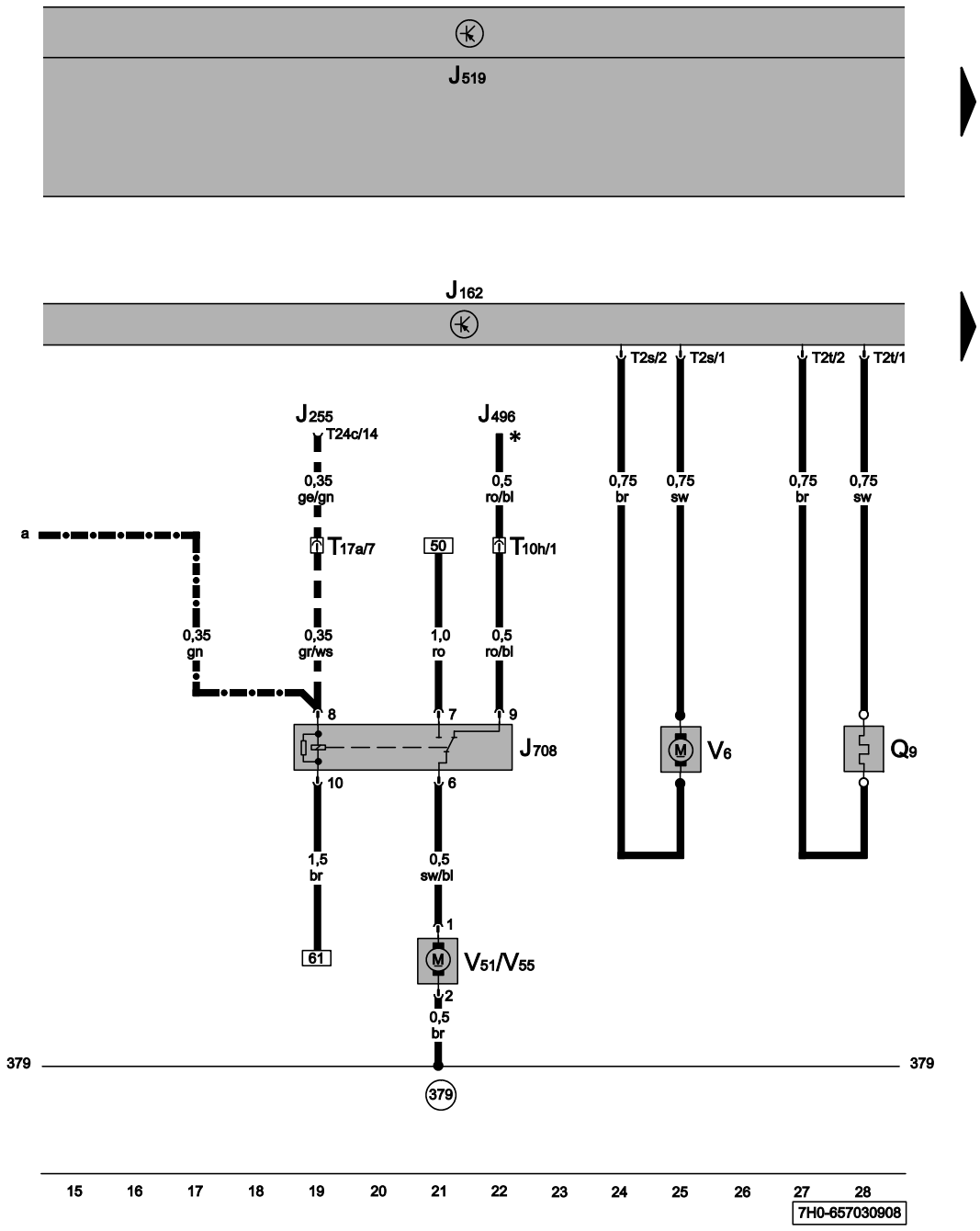
A1	Second battery
J8	Auxiliary heater relay
J162	Heater control unit
J519	Onboard supply control unit
N24	Fresh air blower series resistor with overheating fuse
S97	Fresh air blower fuse 1
S126	Auxiliary heater fuse
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
379	Earth connection 14, in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
B317	Positive connection 3 (30a), in main wiring harness
B468	Connection 4 in main wiring harness

<fo:exter for models without Climatronic only
nal-
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uniform"/
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nal-
graphic
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PDOC/
samba/

ws = white

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

tools/
png-
convert/
out//slp/
ft_icons/
m_m.png
" content-
width="2
0pt"
scaling="
uniform"/
>



Heater control unit, residual heat relay, circulation pump, continued coolant circulation pump, glow plug for heater, combustion air blower

J162	Heater control unit
J255	Climatronic control unit
J496	Additional coolant pump relay
J519	Onboard supply control unit
J708	Residual heat relay
Q9	Glow plug for heater
T2s	2-pin connector
T2t	2-pin connector
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V6	Combustion air blower
V51	Continued coolant circulation pump
V55	Circulation pump
379	Earth connection 14, in main wiring harness
*	⇒ engine Current Flow Diagram

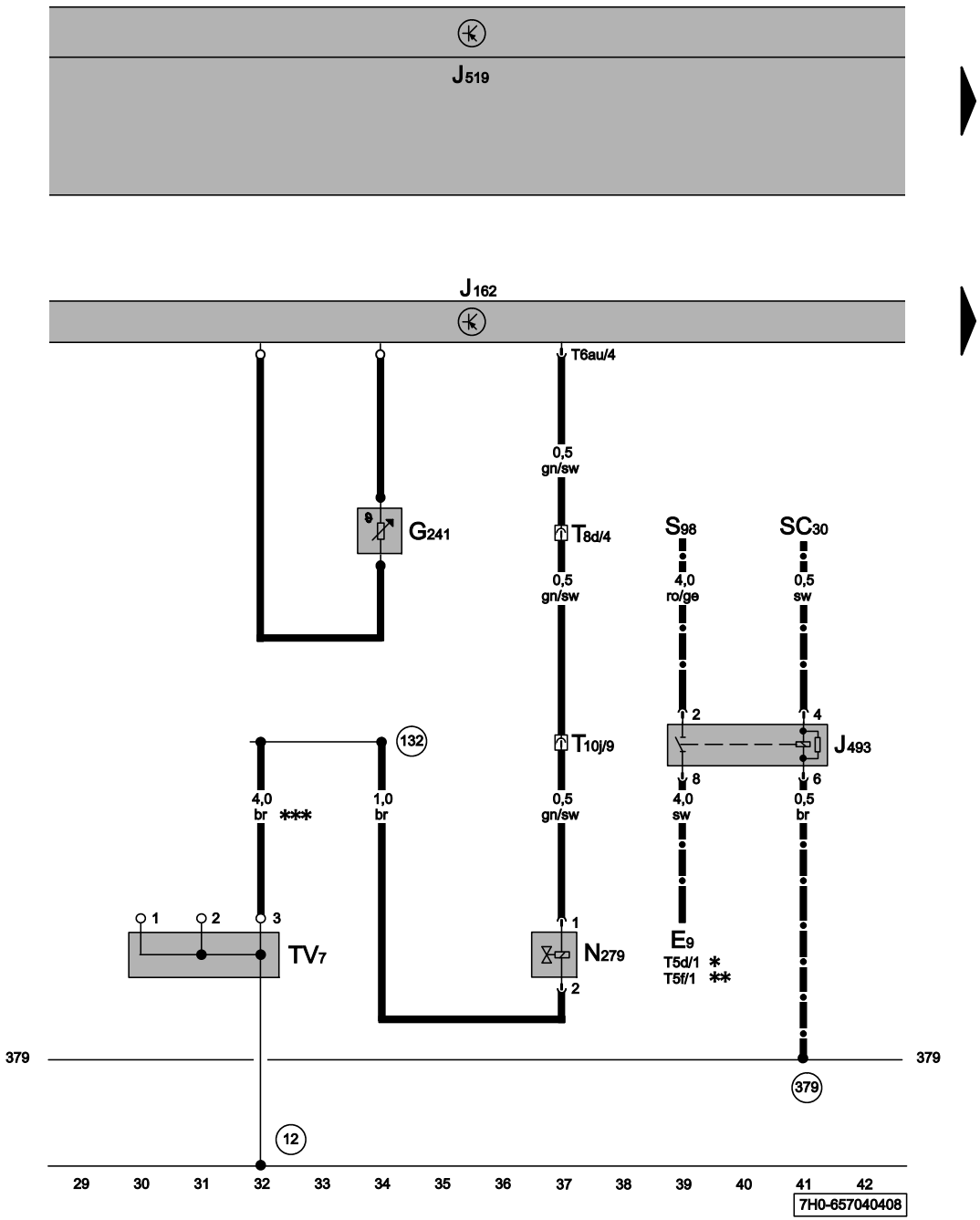
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for models without Climatronic only

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for models with Climatronic only

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ro	=	red
br	=	brown
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ge	=	yellow
or	=	orange
rs	=	pink

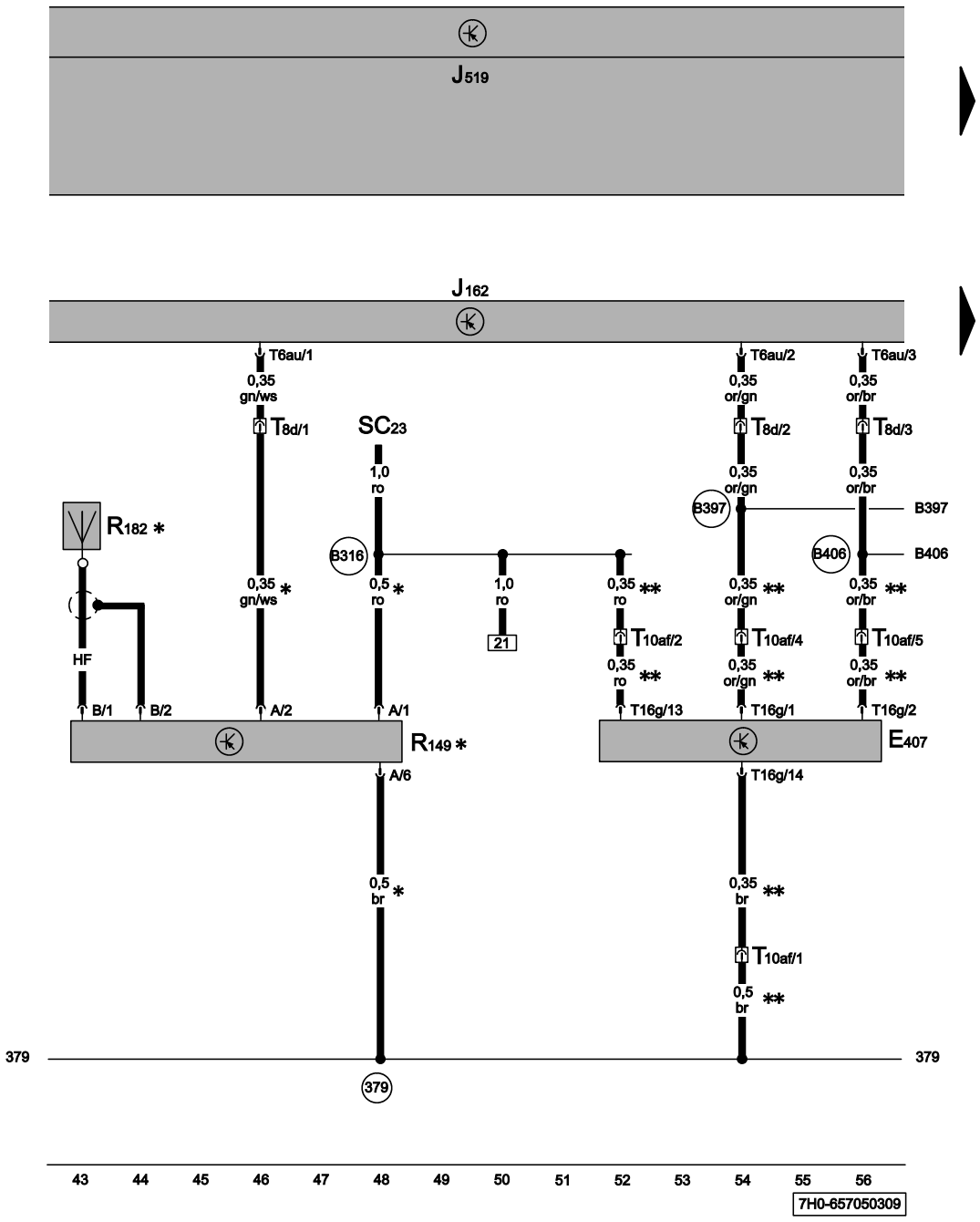
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, auxiliary coolant heater relay, coolant temperature sender for heater, heater coolant shut-off valve

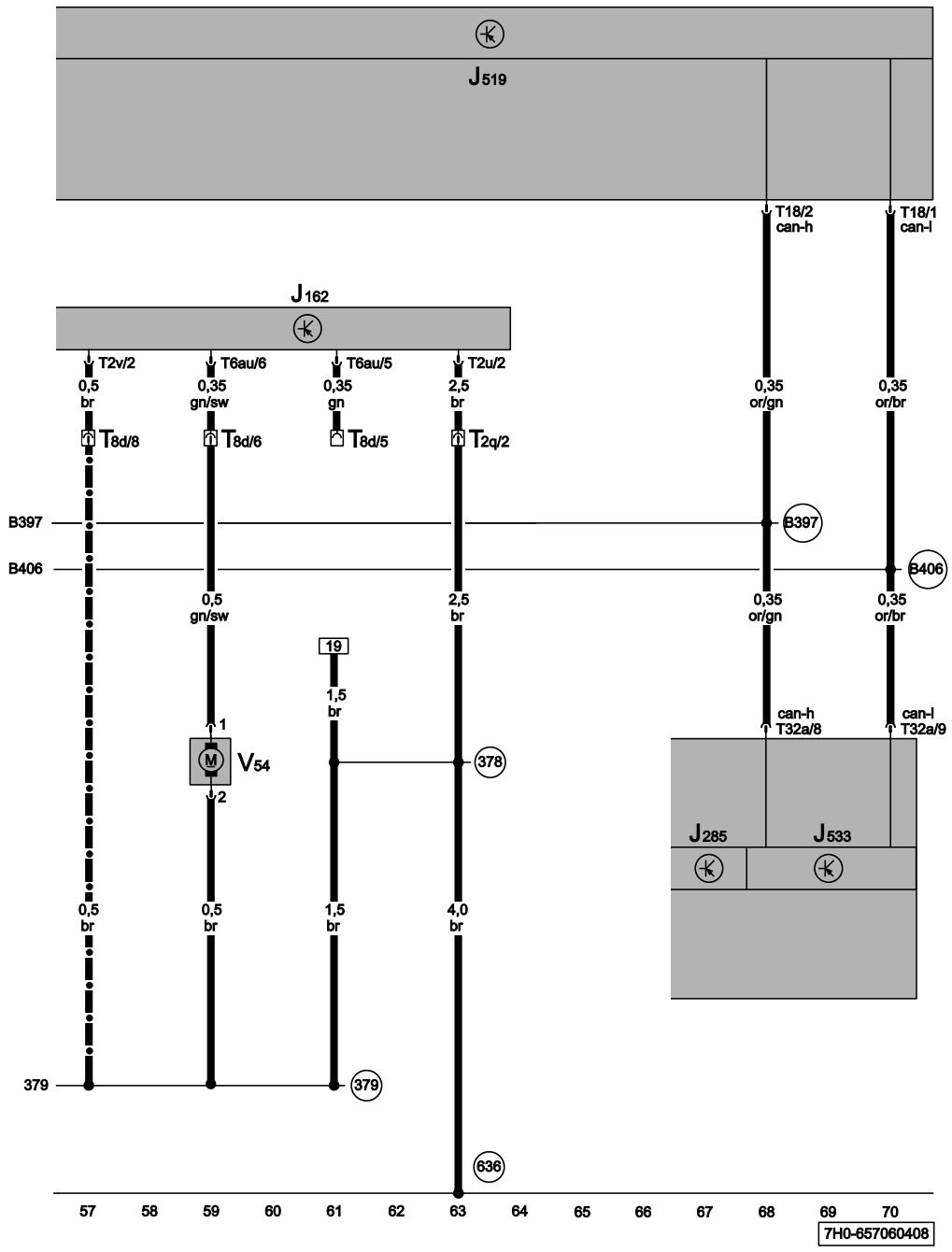
E9	Fresh air blower switch
G241	Coolant temperature sender for heater
J162	Heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
N279	Heater coolant shut-off valve
S98	Fresh air blower fuse 2
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T5f	5-pin connector
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
379	Earth connection 14, in main wiring harness
*	for models with air conditioning system only
**	for models without air conditioning system only
***	Cross-section 6.0 for engine codes AXA, BDL, BDM and BKK only
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, auxiliary heater operating and display unit, remote control receiver for auxiliary coolant heater, auxiliary heater aerial

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J519	Onboard supply control unit
R149	Remote control receiver for auxiliary coolant heater
R182	Auxiliary heater aerial
SC23	Fuse 23 on fuse holder C
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
379	Earth connection 14, in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with remote control receiver for auxiliary coolant heater only
**	for models with auxiliary heater operating and display unit only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Heater control unit, metering pump, control unit in dash panel insert

J162	Heater control unit
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T2u	2-pin connector, black
T2v	2-pin connector, black
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T18	18-pin connector, black
T32a	32-pin connector, green
V54	Metering pump
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

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for models without Climatronic only

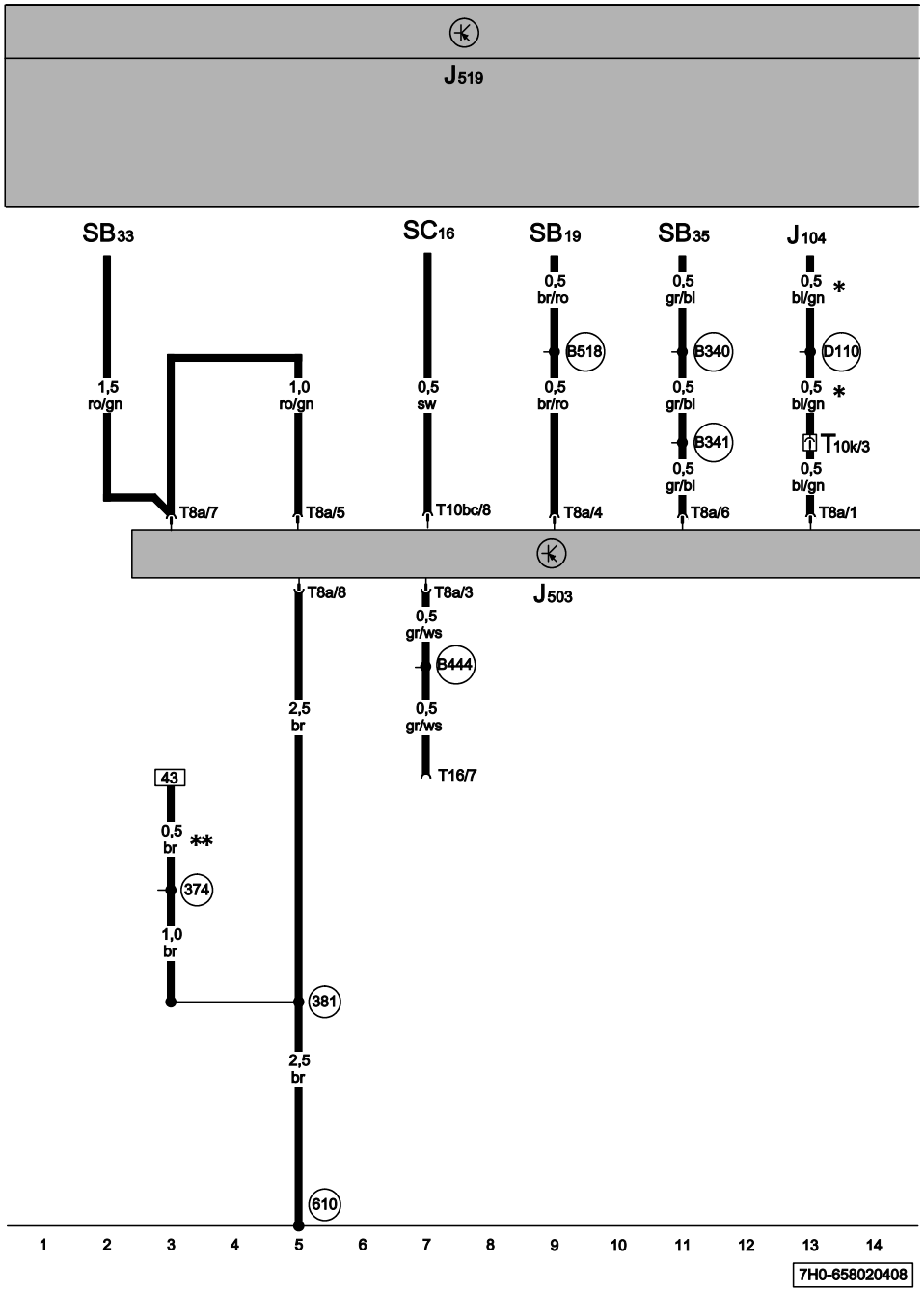
Radio and navigation system with monochrome display (7Q5)

⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

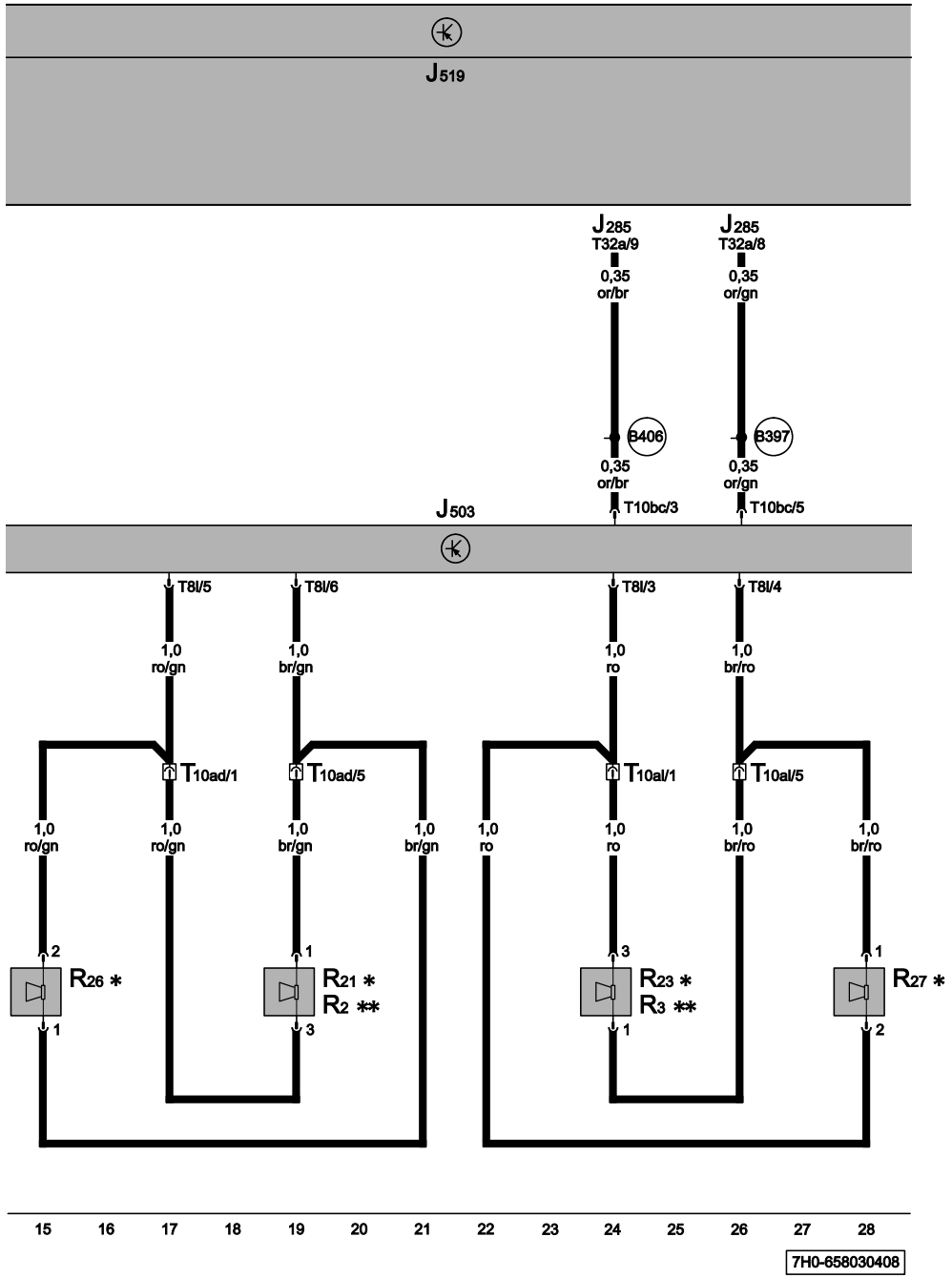
⇒ guided fault finding



Control unit with display for radio and navigation system, voltage supply

J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T8a	8-pin connector, black
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10bc	10-pin connector, red
T16	16-pin connector, diagnostic connector
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B518	Connection (86s), in main wiring harness
D110	Connection 8, in engine compartment wiring harness
*	depends on equipment ⇒ ABS Current Flow Diagram
**	for models with telephone preparation for mobile telephone (9ZG) only

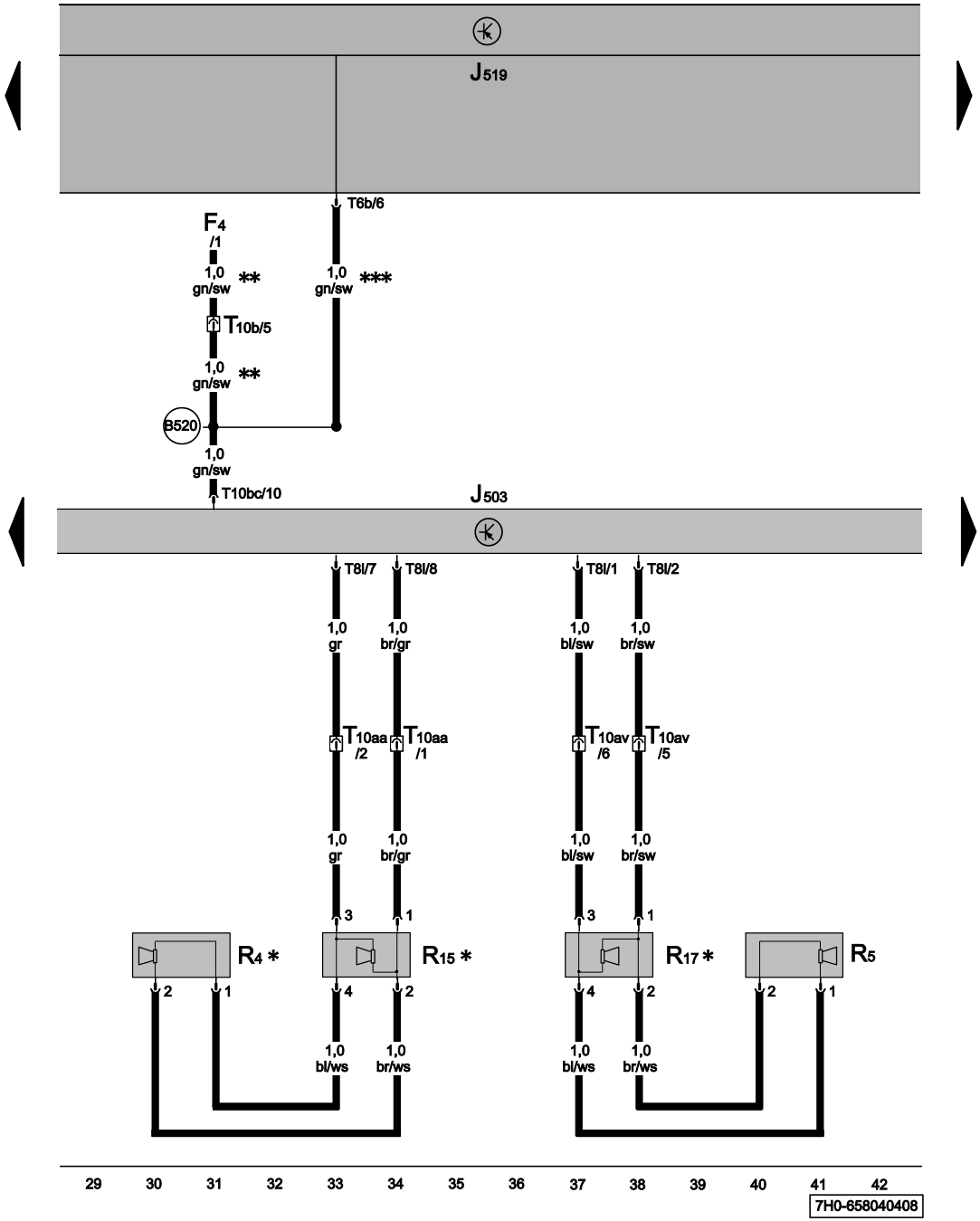
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, front loudspeaker

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T10bc	10-pin connector, red
T32a	32-pin connector, green
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
*	for models with 4 or 8 loudspeakers (8RE/ 8RM) only
**	for models with 2 loudspeakers (8RD) only

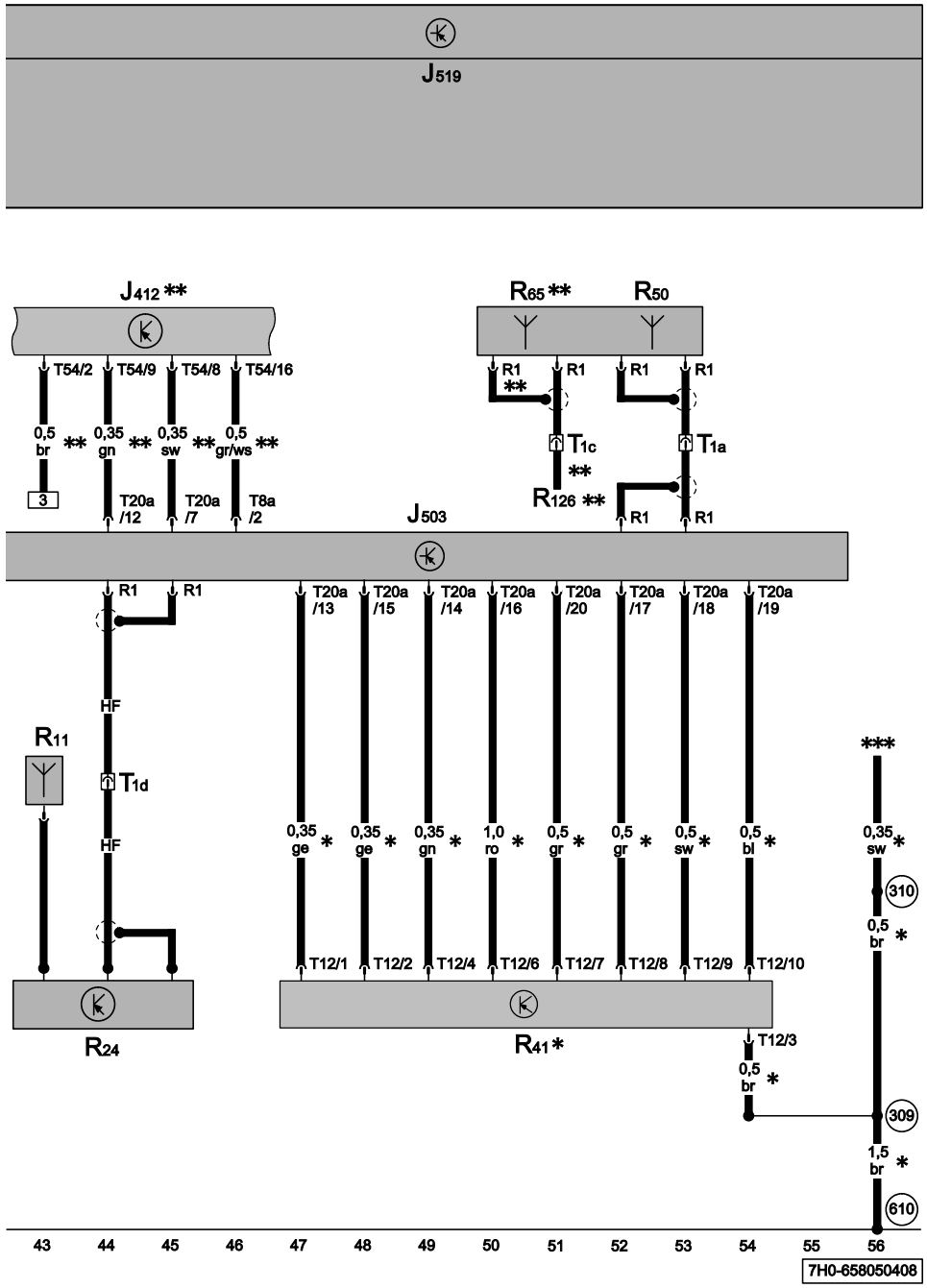
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, rear loudspeaker

F4	Reversing light switch
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T6b	6-pin connector, red
T8l	8-pin connector, brown
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
T10bc	10-pin connector, red
B520	Connection (RL), in main wiring harness
*	for models with 8 loudspeakers (8RM) only
**	for models with manual gearbox only (G0C/ G0K/ G0L)
***	for models with automatic gearbox (G1A) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, aerial, aerial amplifier, CD changer

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T20a	20-pin connector, on radio three parts
T54	54-pin connector, black
309	Earth connection 1, screening, in CD changer wiring harness
310	Earth connection 2, screening, in CD changer wiring harness
610	Earth point (audio), under centre console, front
*	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
**	for models with telephone preparation for mobile telephone (9ZG) only
***	Wiring open end

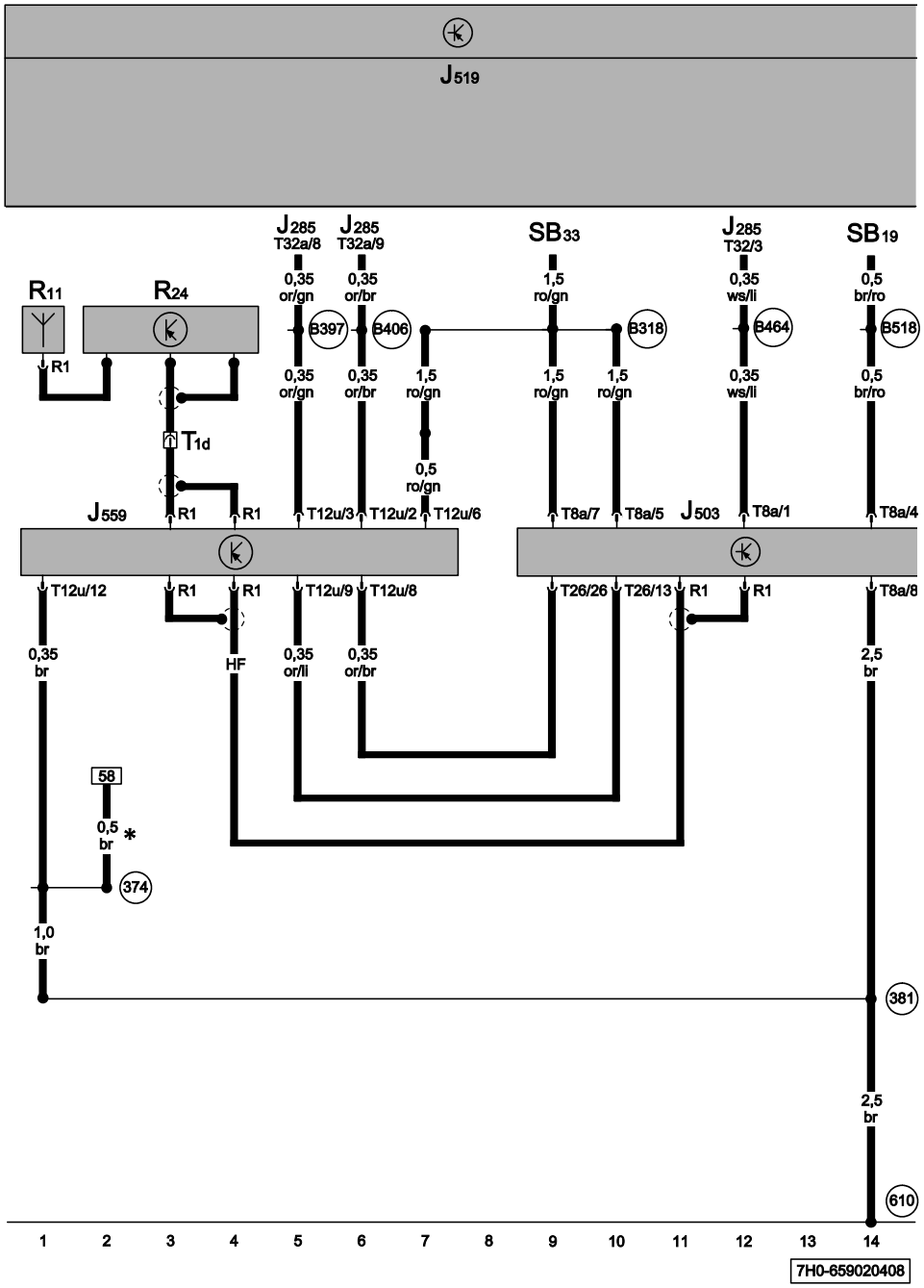
Radio and navigation system with colour display (7Q7)

⇒ **Traffic information control unit**
⇒ **2, 4 or 8 loudspeakers (8RD, 8RE, 8RM)**
⇒ **Telephone preparation for mobile telephone (9ZG)**
⇒ **Without or with CD changer (7A0, 7A1, 7A2)**
from June 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

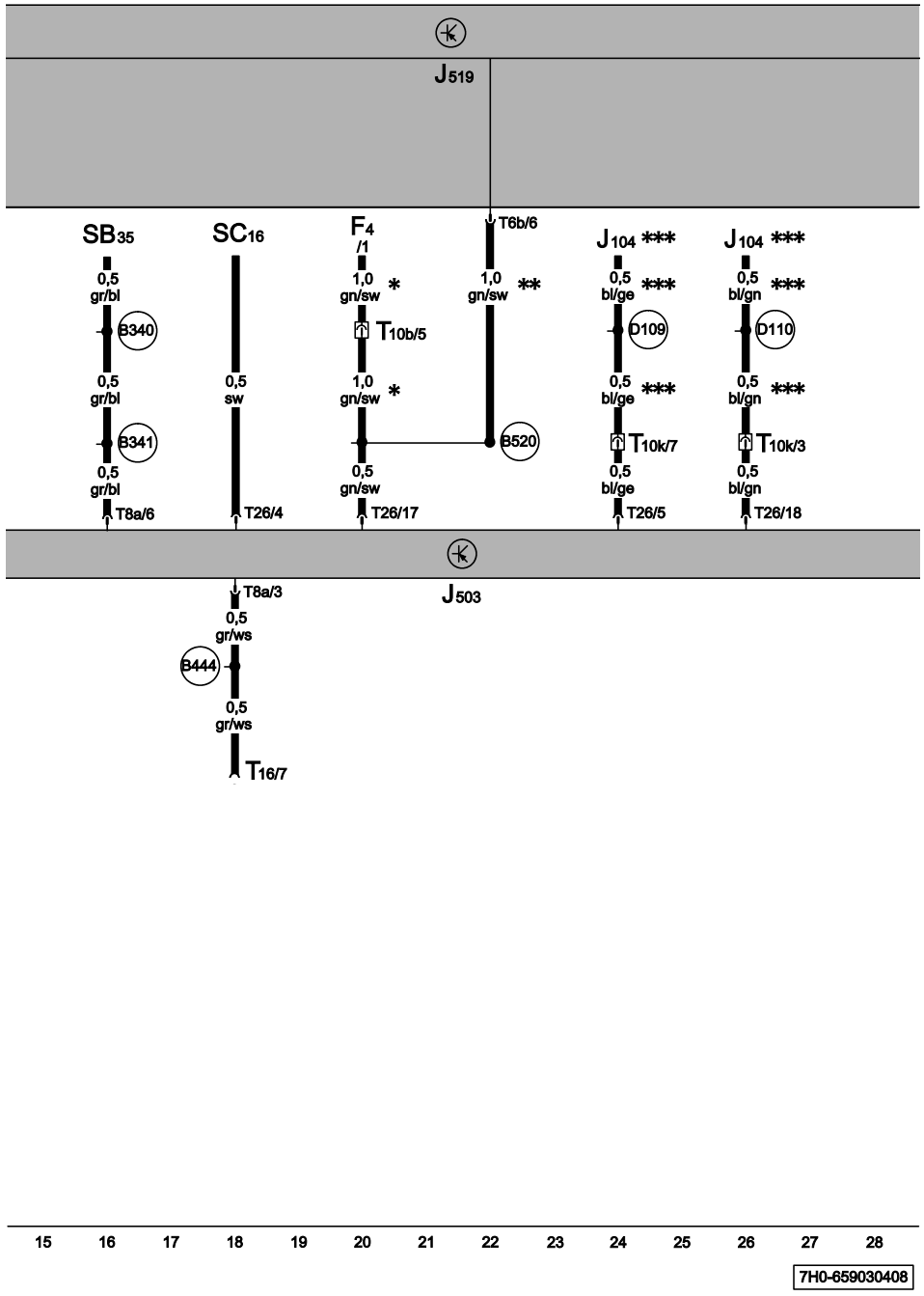
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voltage supply, traffic information control unit, aerial, aerial amplifier

J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R1	Aerial connection
R11	Aerial
R24	Aerial amplifier
SB19	Fuse 19 on fuse holder B
SB33	Fuse 33 on fuse holder B
T1d	Single connector, right A-pillar
T8a	8-pin connector, black
T12u	12-pin connector, black
T26	26-pin connector
T32	32-pin connector, blue
T32a	32-pin connector, green
374	Earth connection 9, in main wiring harness
381	Earth connection 16, in main wiring harness
610	Earth point (audio), under centre console, front
B318	Positive connection 4 (30a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
*	for models with telephone preparation for mobile telephone (9ZG) only



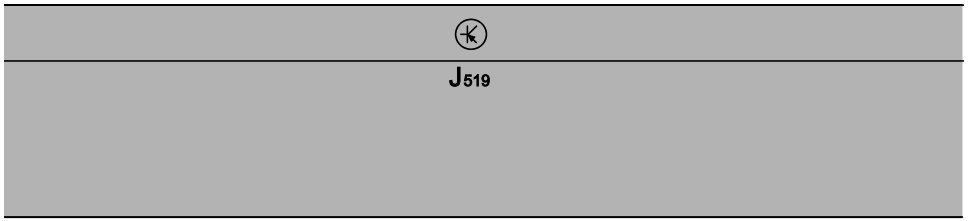
Control unit with display for radio and navigation system, voltage supply, reversing light switch

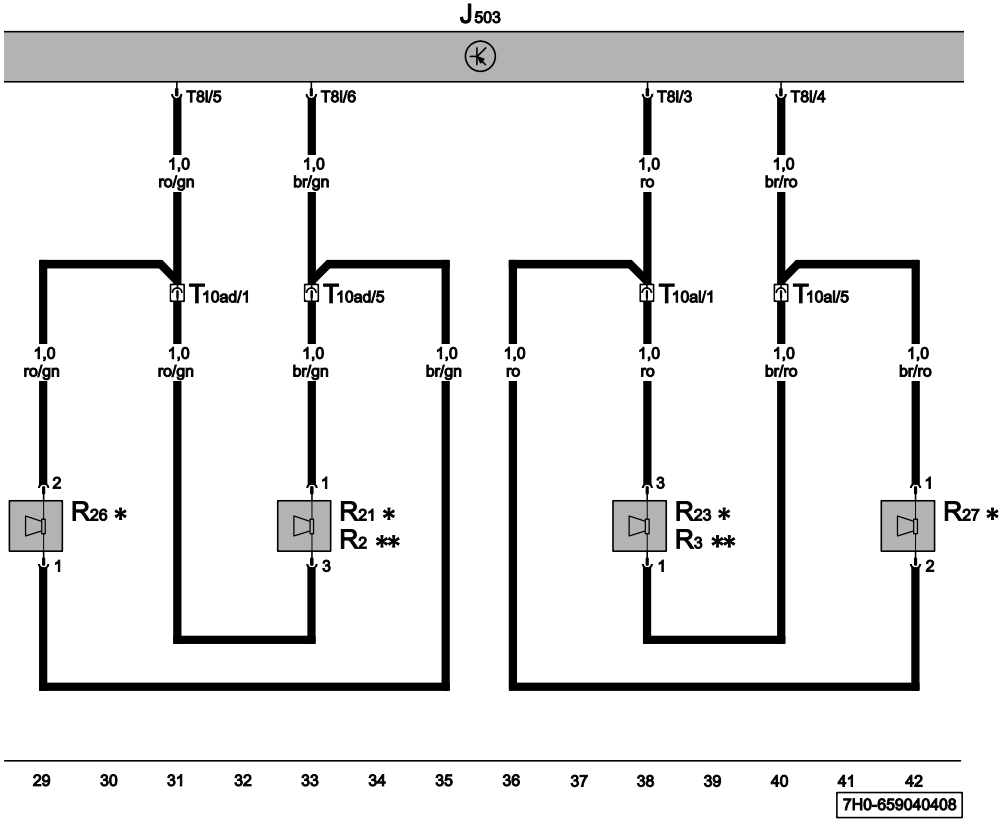
F4	Reversing light switch
J104	ABS control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC16	Fuse 16 on fuse holder C
T6b	6-pin connector, red
T8a	8-pin connector, black
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T26	26-pin connector
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B520	Connection (RL), in main wiring harness
D109	Connection 7, in engine compartment wiring harness
D110	Connection 8, in engine compartment wiring harness
*	for models with manual gearbox only (G0C/ G0K/ G0L)
**	for models with automatic gearbox (G1A) only
***	depends on equipment ⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

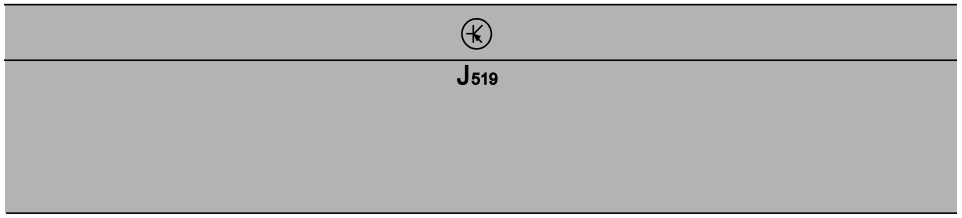
Control unit with display for radio and navigation system, front loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R2	Front left loudspeaker
R3	Front right loudspeaker
R21	Front left bass loudspeaker
R23	Front right bass loudspeaker
R26	Front left mid-range and treble loudspeaker
R27	Front right mid-range and treble loudspeaker
T8l	8-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
*	for models with 2 loudspeakers (8RD) only
**	for models with 4 or 8 loudspeakers (8RE/ 8RM) only



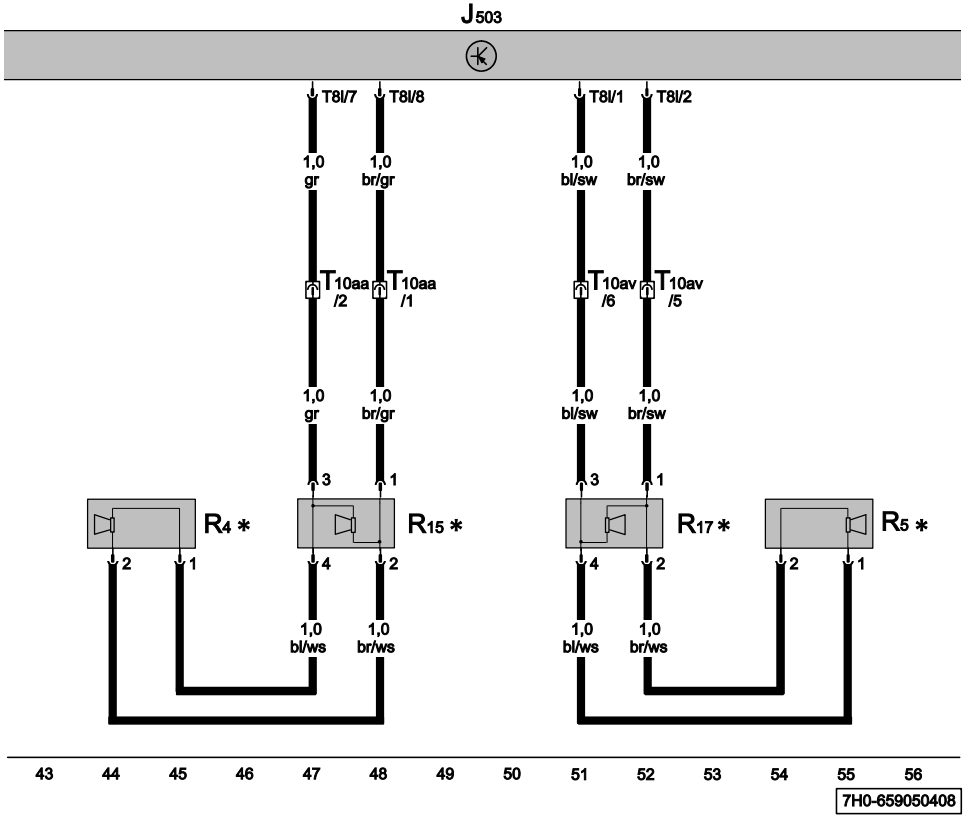


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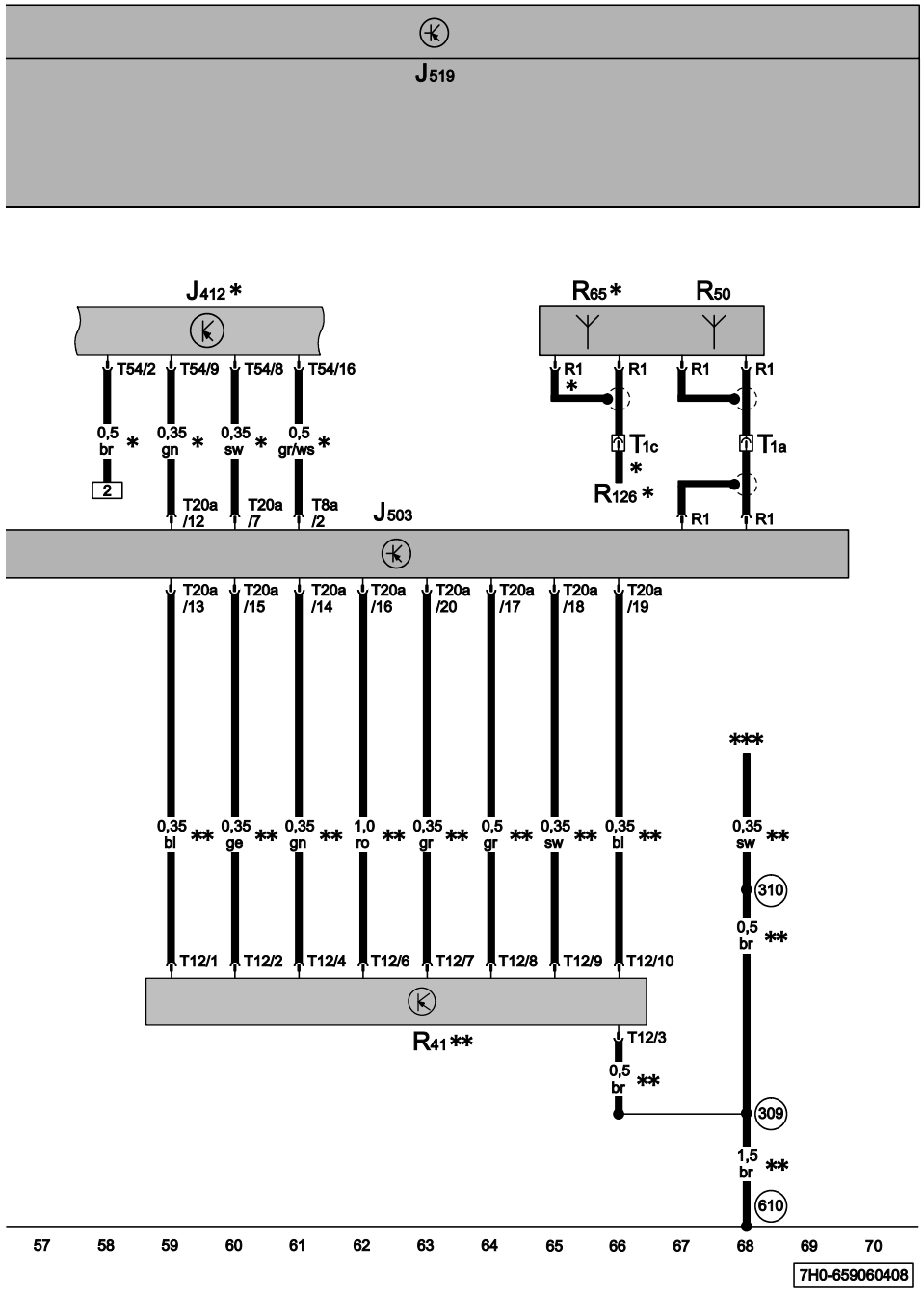


Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T8l	8-pin connector, brown
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	for models with 8 loudspeakers (8RM) only



ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Control unit with display for radio and navigation system, mobile telephone operating electronics control unit, CD changer, navigation system aerial

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R1	Aerial connection
R41	CD changer
R50	Navigation system aerial
R65	Telephone aerial
R126	Telephone bracket
T1a	Single connector, right A-pillar
T1c	Single connector, right A-pillar
T8a	8-pin connector, black
T12	12-pin connector, black, CD changer
T20a	20-pin connector, on radio three parts
T54	54-pin connector, black
(309)	Earth connection 1, screening, in CD changer wiring harness
(310)	Earth connection 2, screening, in CD changer wiring harness
(610)	Earth point (audio), under centre console, front
*	for models with telephone preparation for mobile telephone (9ZG) only
**	for models with CD changer of prepared for CD changer (7A1/ 7A2) only
***	Wiring open end

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Taxi equipment

from November 2007

Notes:

For information concerning

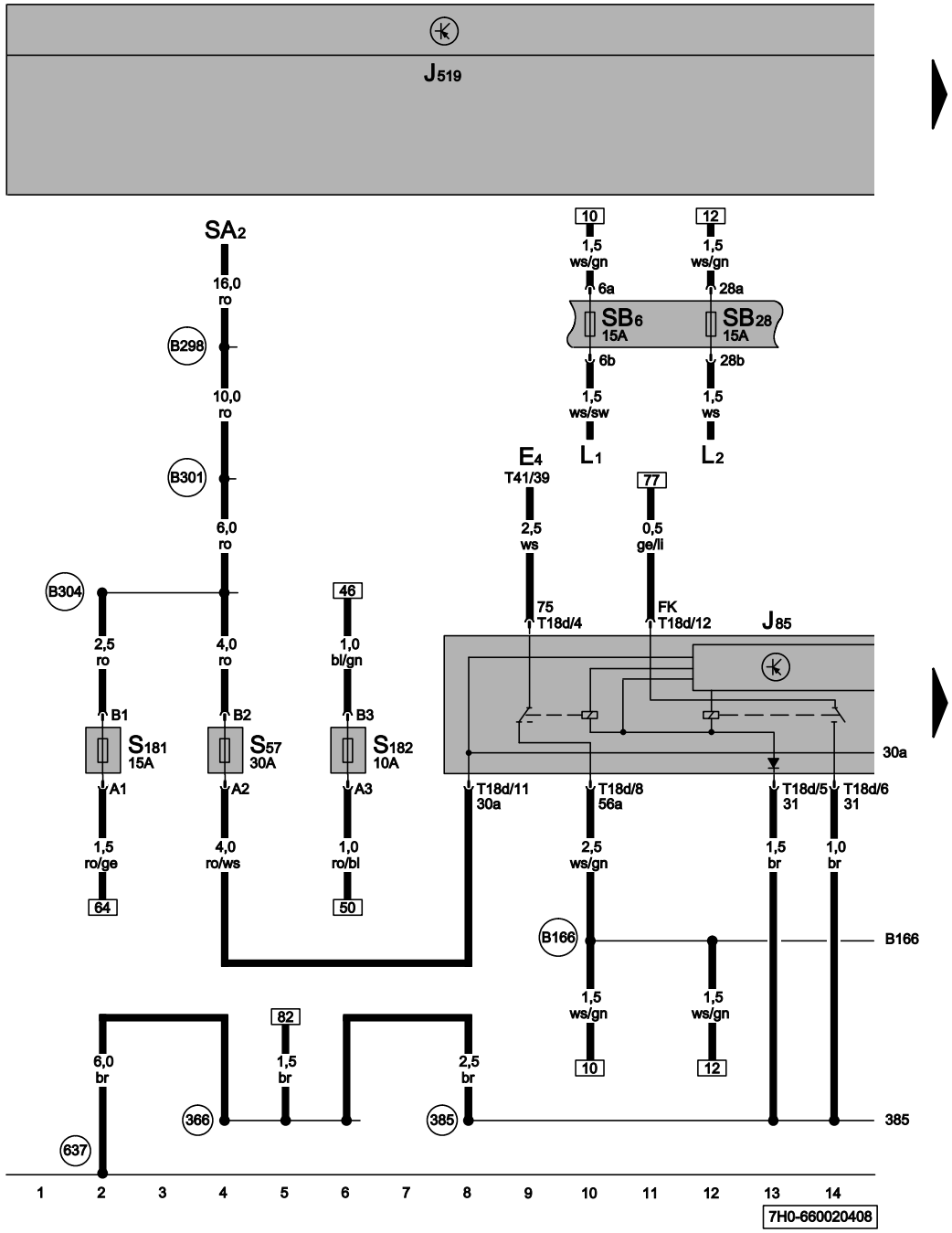
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

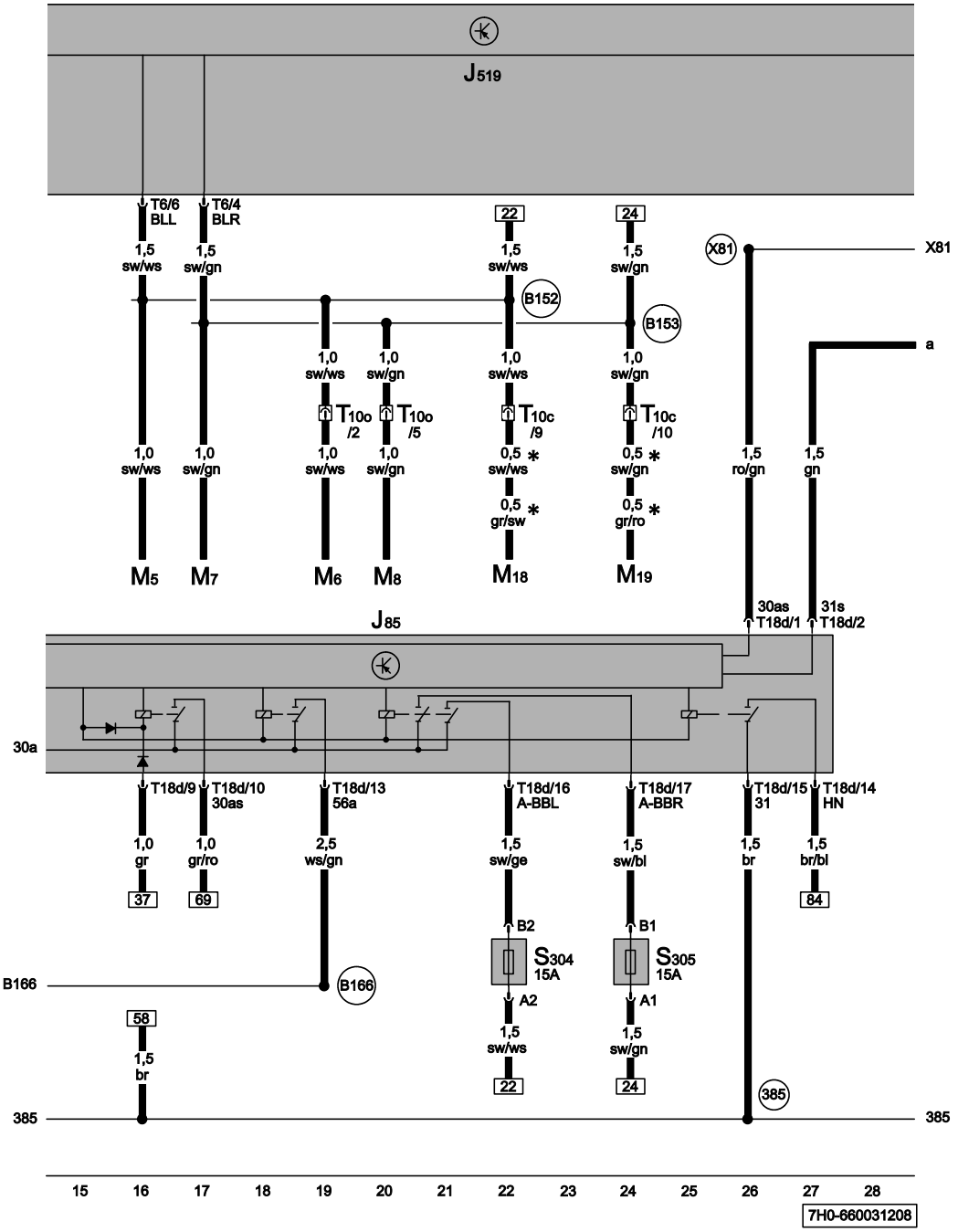
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, taxi alarm system control unit, headlight dipper/ flasher switch

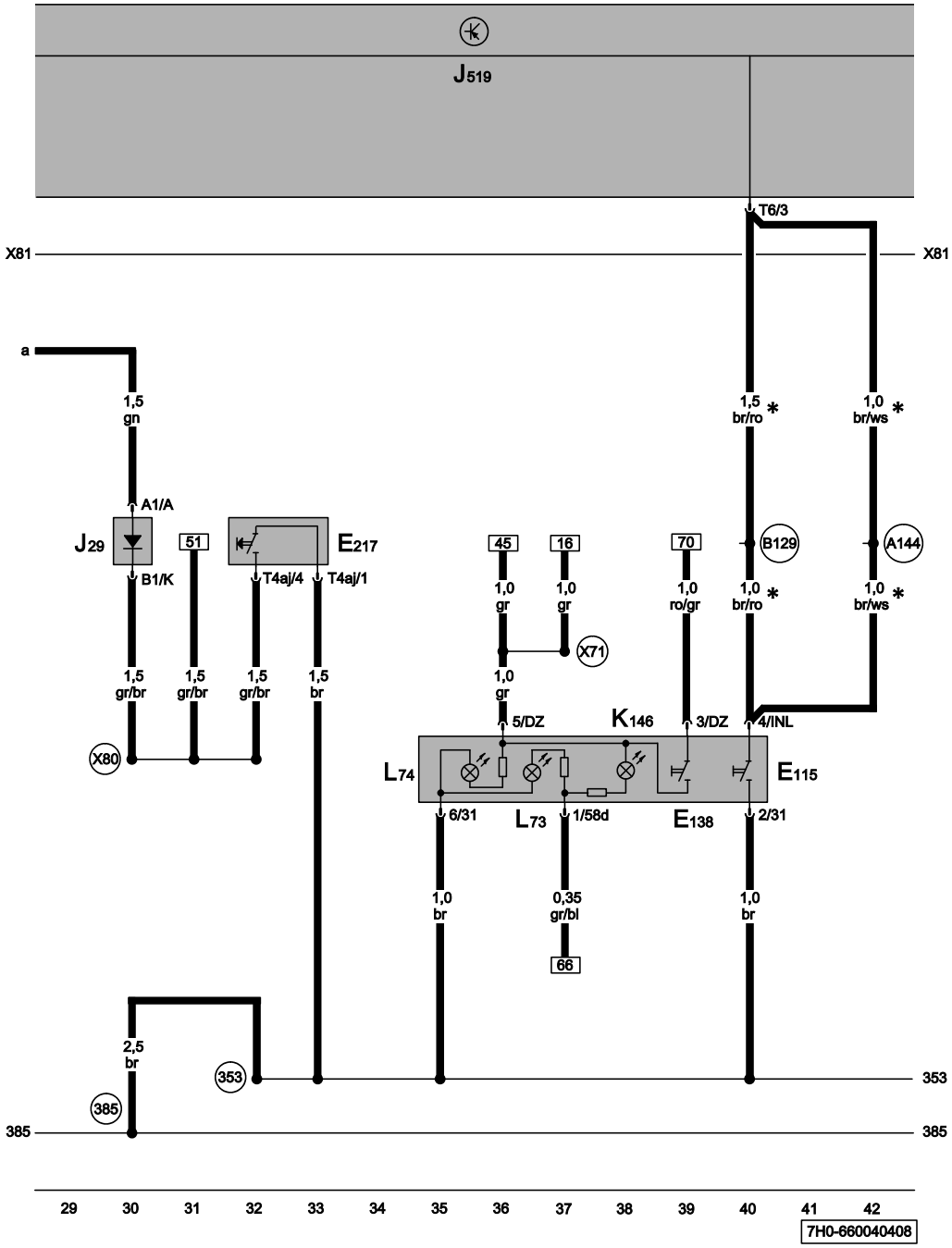
E4	Headlight dipper/flasher switch
J85	Alarm system control unit
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
S57	Alarm system fuse
S181	Taxi alarm system 2 fuse
S182	Taxi meter fuse
SA2	Fuse 2 on fuse holder A
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T18d	18-pin connector, blue
T41	41-pin connector
366	Earth connection 1, in main wiring harness
385	Earth connection 20, in main wiring harness
637	Earth point, airbag control unit
B166	Connection (56a), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Alarm system control unit, onboard supply control unit, turn signal bulb, fuses

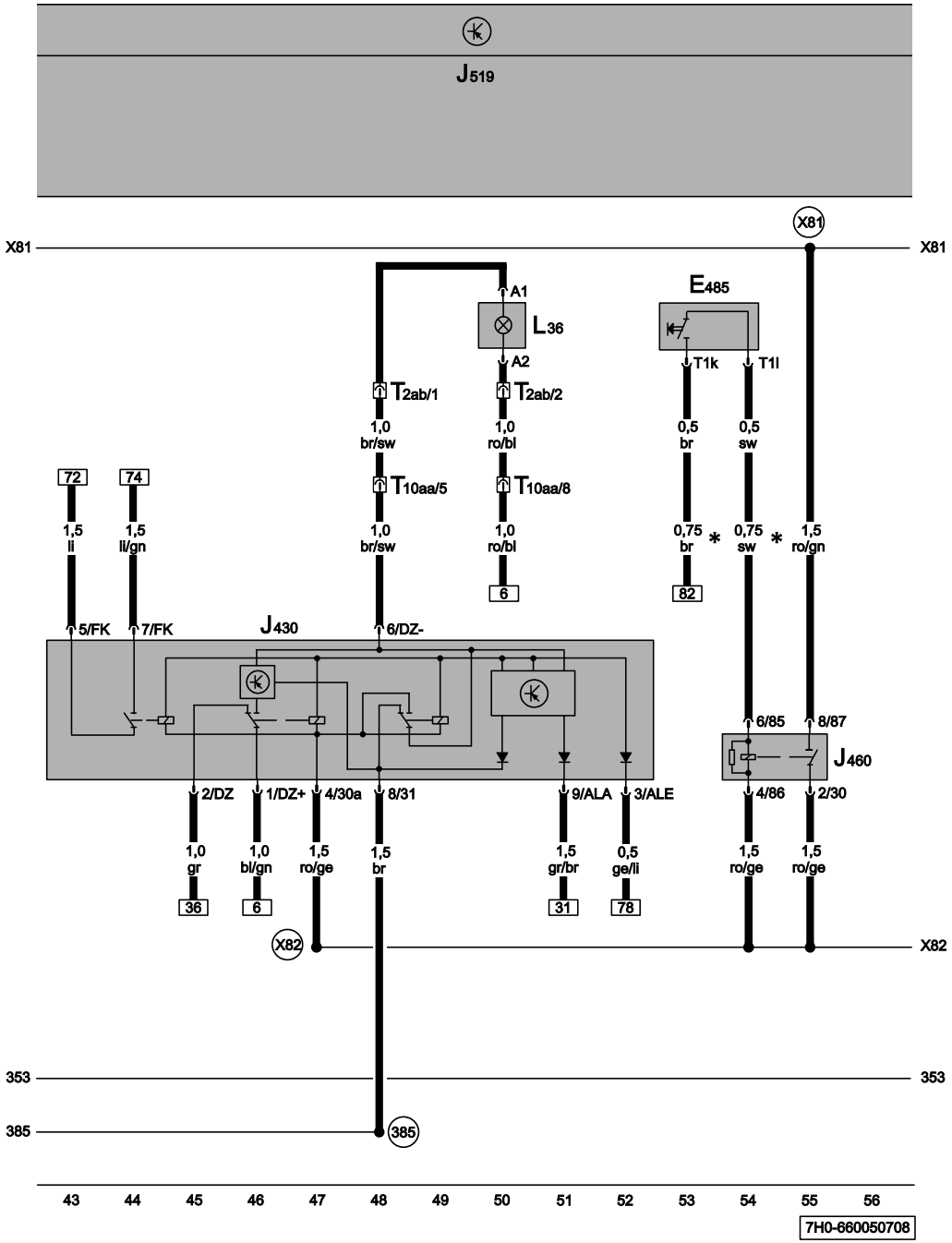
J85	Alarm system control unit
J519	Onboard supply control unit
M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M8	Rear right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
S304	Special vehicle fuse 14
S305	Special vehicle fuse 15
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T18d	18-pin connector, blue
385	Earth connection 20, in main wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
B166	Connection (56a), in interior wiring harness
X81	Connection 4, in taxi wiring harness
*	depends on equipment



Interior light switch (taxi), taxi sign switch, alarm system off switch, blocking diode, roof sign warning lamp

E115	Interior light switch (taxi)
E138	Taxi sign switch
E217	Alarm system off switch
J29	Blocking diode
J519	Onboard supply control unit
K146	Roof sign warning lamp
L73	Interior light switch illumination bulb (taxi)
L74	Taxi sign switch illumination bulb
T4aj	4-pin connector
T6	6-pin connector, black
353	Earth connection, in taxi wiring harness
385	Earth connection 20, in main wiring harness
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
X71	Connection 3, in taxi wiring harness
X80	Connection 1, in taxi alarm system wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram

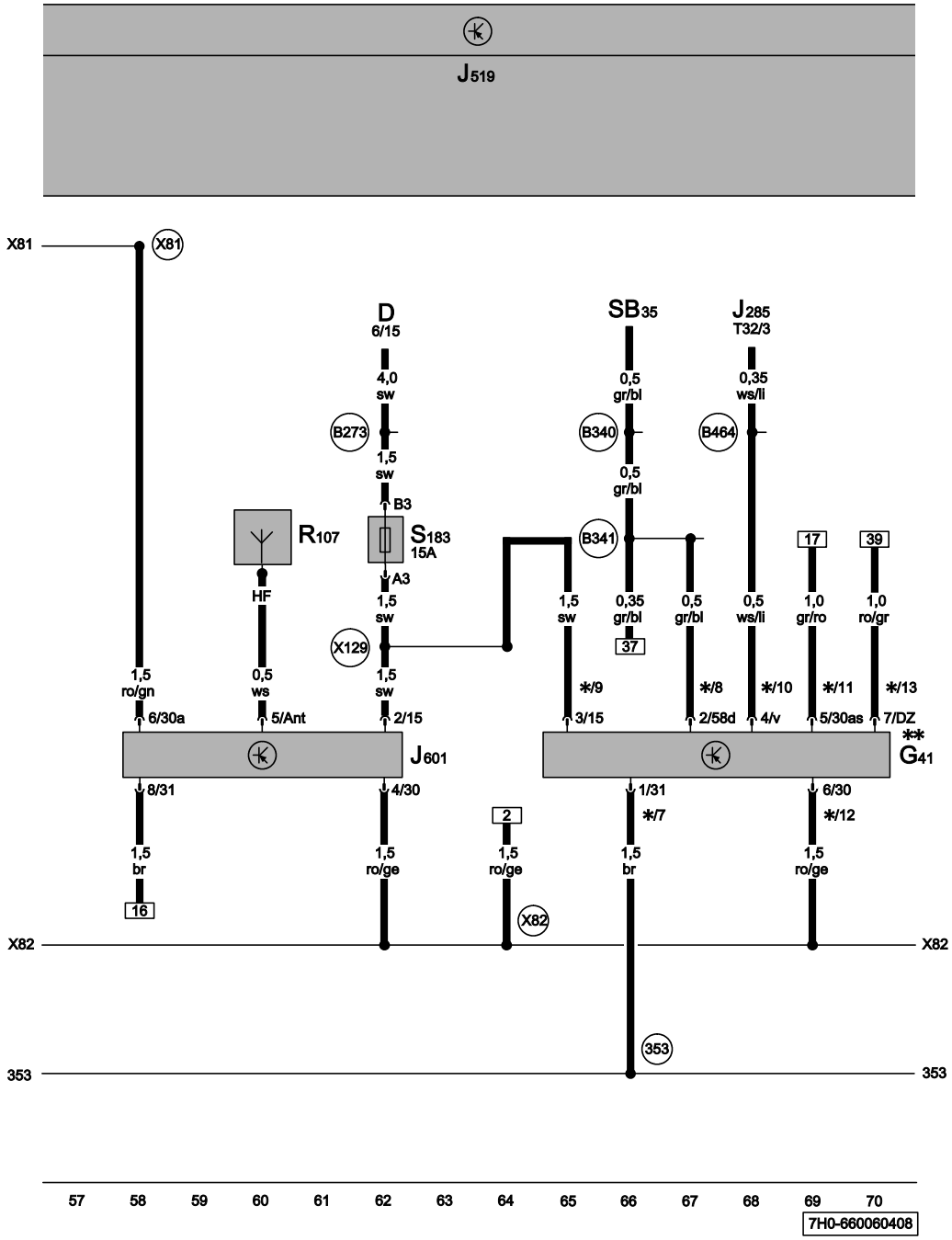
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Taxi alarm system 2 control unit, alarm system relay 1, taxi roof sign light bulb, taxi alarm active button

E485	Taxi alarm active button
J430	Taxi alarm system 2 control unit
J460	Alarm system relay 1
J519	Onboard supply control unit
L36	Taxi roof sign light bulb
T1k	Single connector
T1l	Single connector
T2ab	2-pin connector, black, B-pillar upper left
T10aa	10-pin connector, dark brown, coupling station under driver seat
385	Earth connection 20, in main wiring harness
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
*	applicable from June 2008

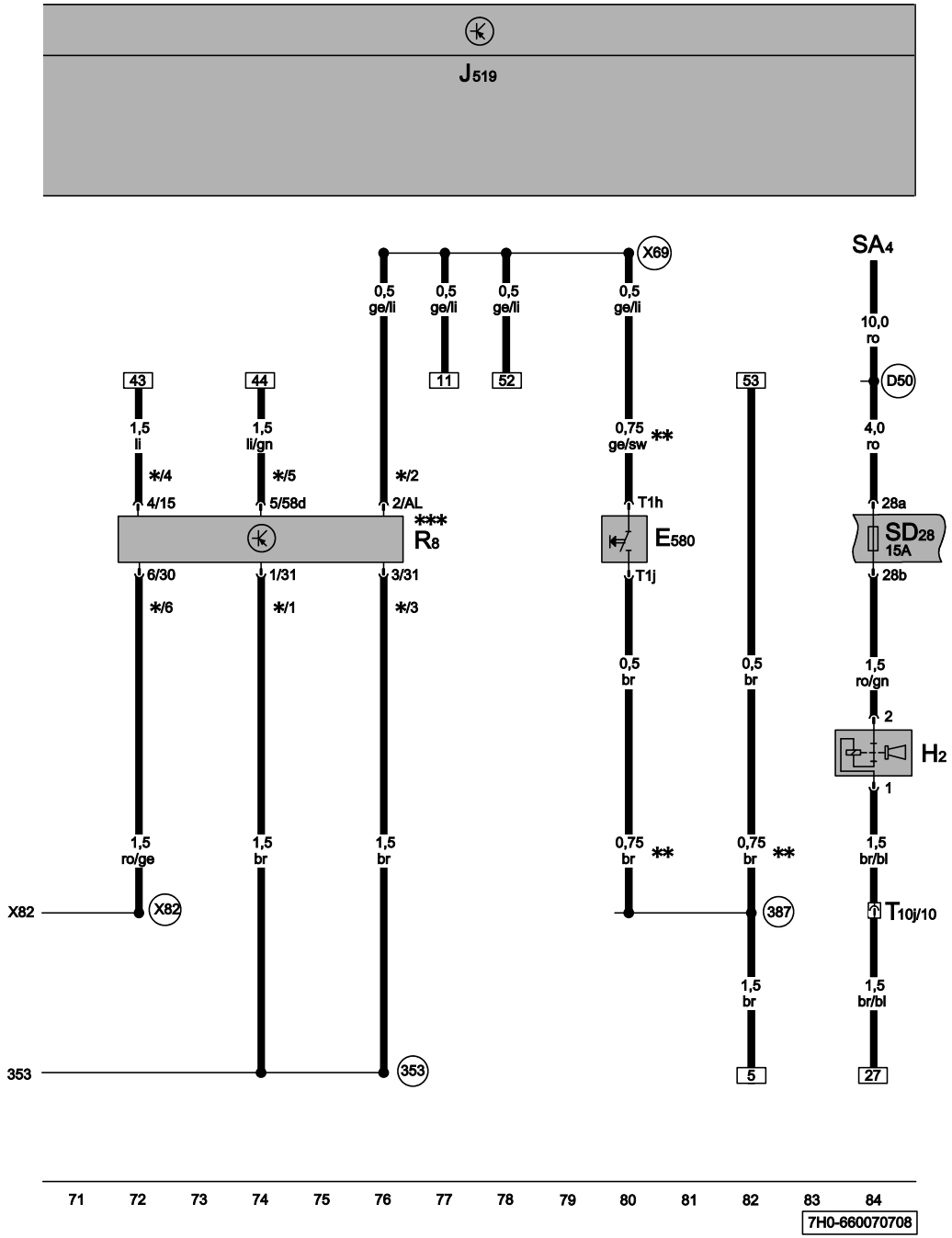
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Taxi meter, taxi alarm remote control, control unit, remote controlled taxi alarm aerial, fuses

D	Ignition/starter switch
G41	Taxi meter
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J601	Taxi alarm remote control, control unit
R107	Remote controlled taxi alarm aerial
S183	Taxi meter and alarm system fuse
SB35	Fuse 35 on fuse holder B
T32	32-pin connector, blue
353	Earth connection, in taxi wiring harness
B273	Positive connection (15), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
X81	Connection 4, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
X129	Positive connection 1 (15), in taxi wiring harness
*	wiring open end/ wire number, if taxi meter not installed
**	the scope depends on the equipment



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, treble horn, passive taxi alarm button, two-way radio

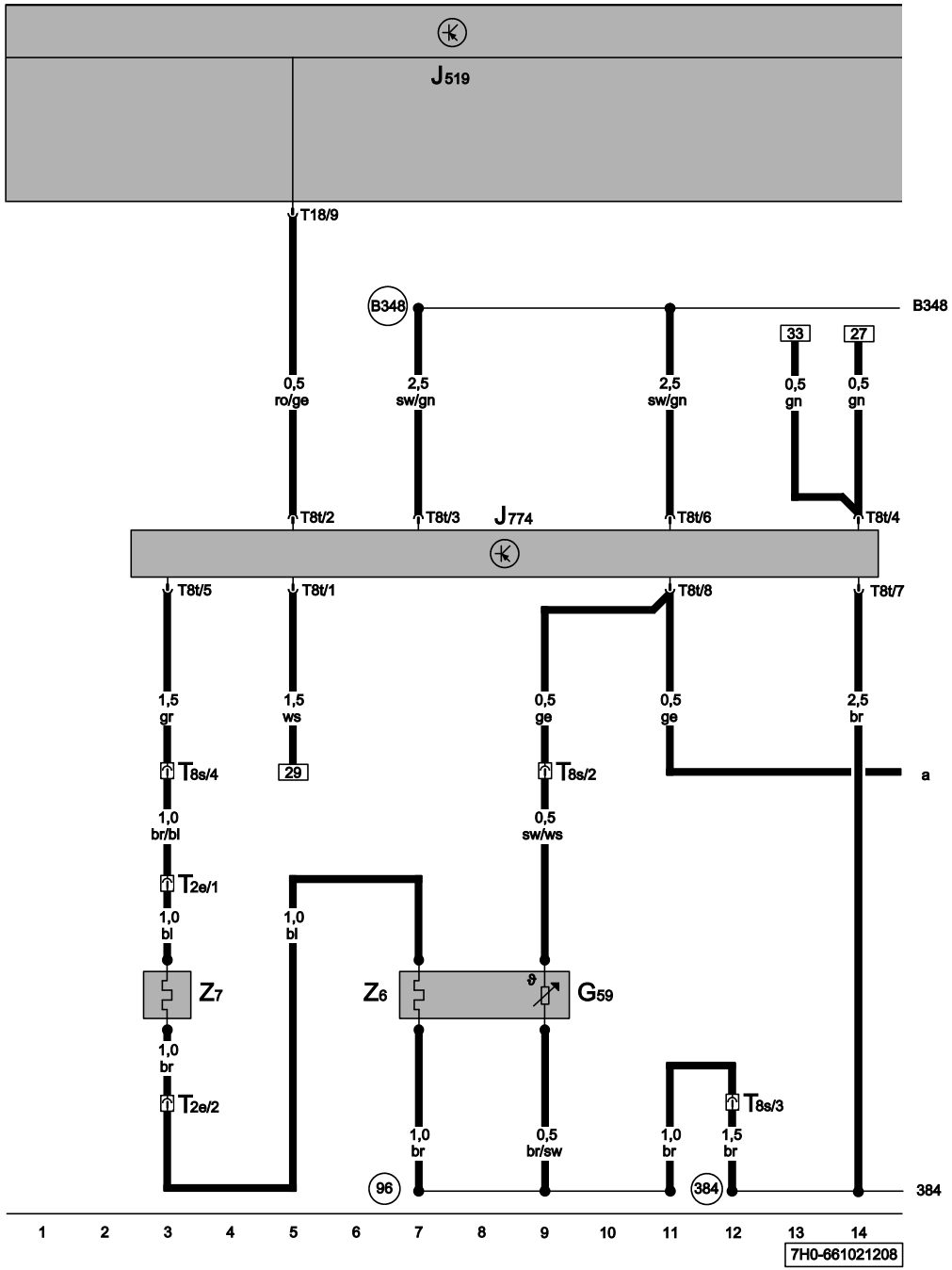
E580	Taxi alarm passive button
H2	Treble tone horn
J519	Onboard supply control unit
R8	Two-way radio
SA4	Fuse 4 on fuse holder A
SD28	Fuse 28 on fuse holder D
T1h	Single connector
T1j	Single connector
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
353	Earth connection, in taxi wiring harness
387	Earth connection 22, in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
X69	Connection 1, in taxi wiring harness
X82	Positive connection 1 (30a), in taxi wiring harness
*	wiring open end/ wire number, if two-way radio not installed
**	applicable from June 2008
***	the scope depends on the equipment

Seat heating

⇒ **seat with loth cover**
⇒ **seat with imitate leather cover**
from January 2007

Notes:
For information concerning
- Position of relays and fuses
- Pin connectors
- Control units and relays
- Earth points

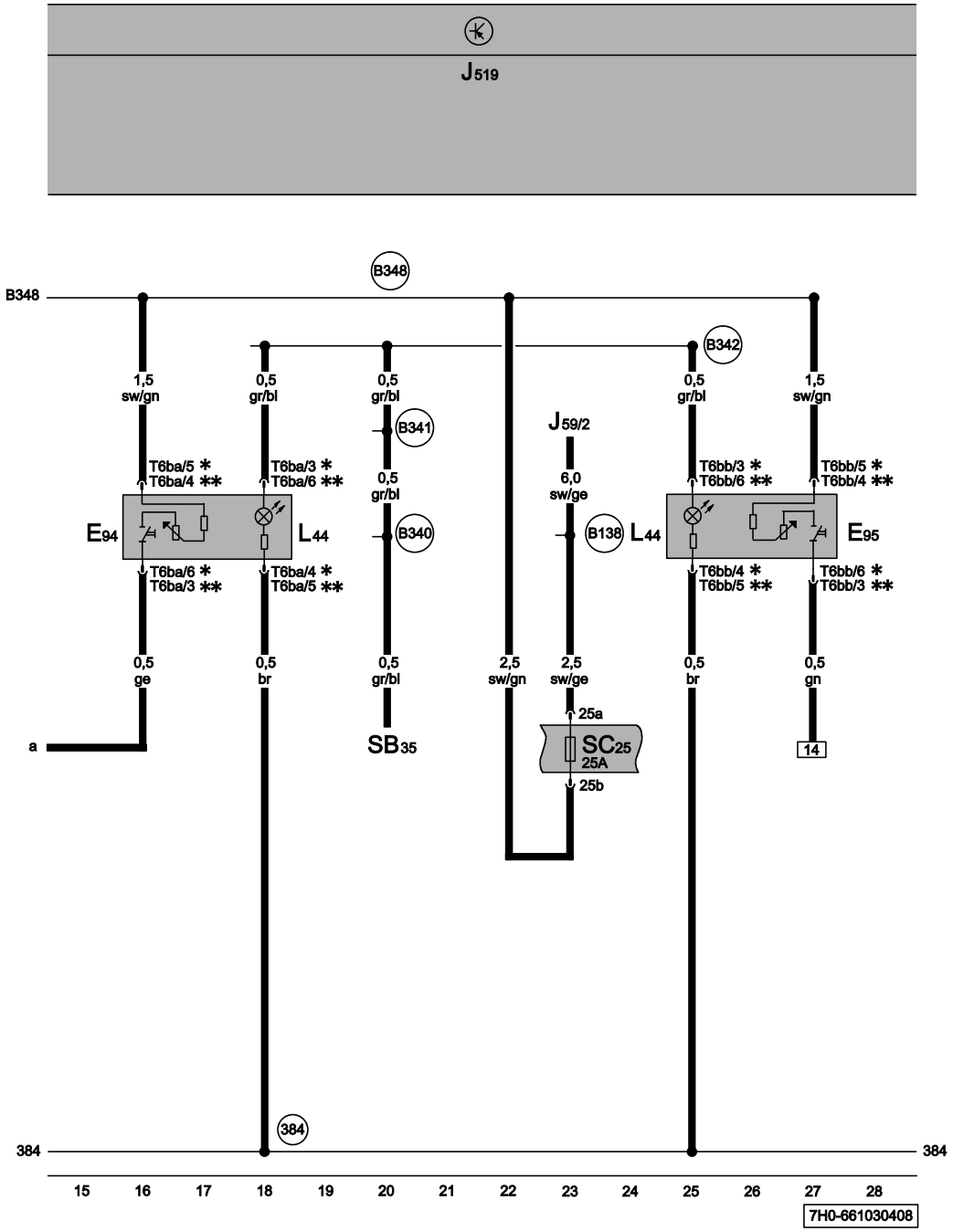
⇒ List of Fitting Locations!



Heated front seats control unit, heated driver seat, driver seat temperature sensor

G59	Driver seat temperature sensor
J519	Onboard supply control unit
J774	Heated front seats control unit
T2e	2-pin connector, black, in driver seat
T8s	8-pin connector, black, under driver seat
T8t	8-pin connector
T18	18-pin connector, black
Z6	Heated driver seat cushion
Z7	Heated driver seat backrest
96	Earth connection 1, in seat heating wiring harness
384	Earth connection 19, in main wiring harness
B348	Connection 1 (75A), in main wiring harness

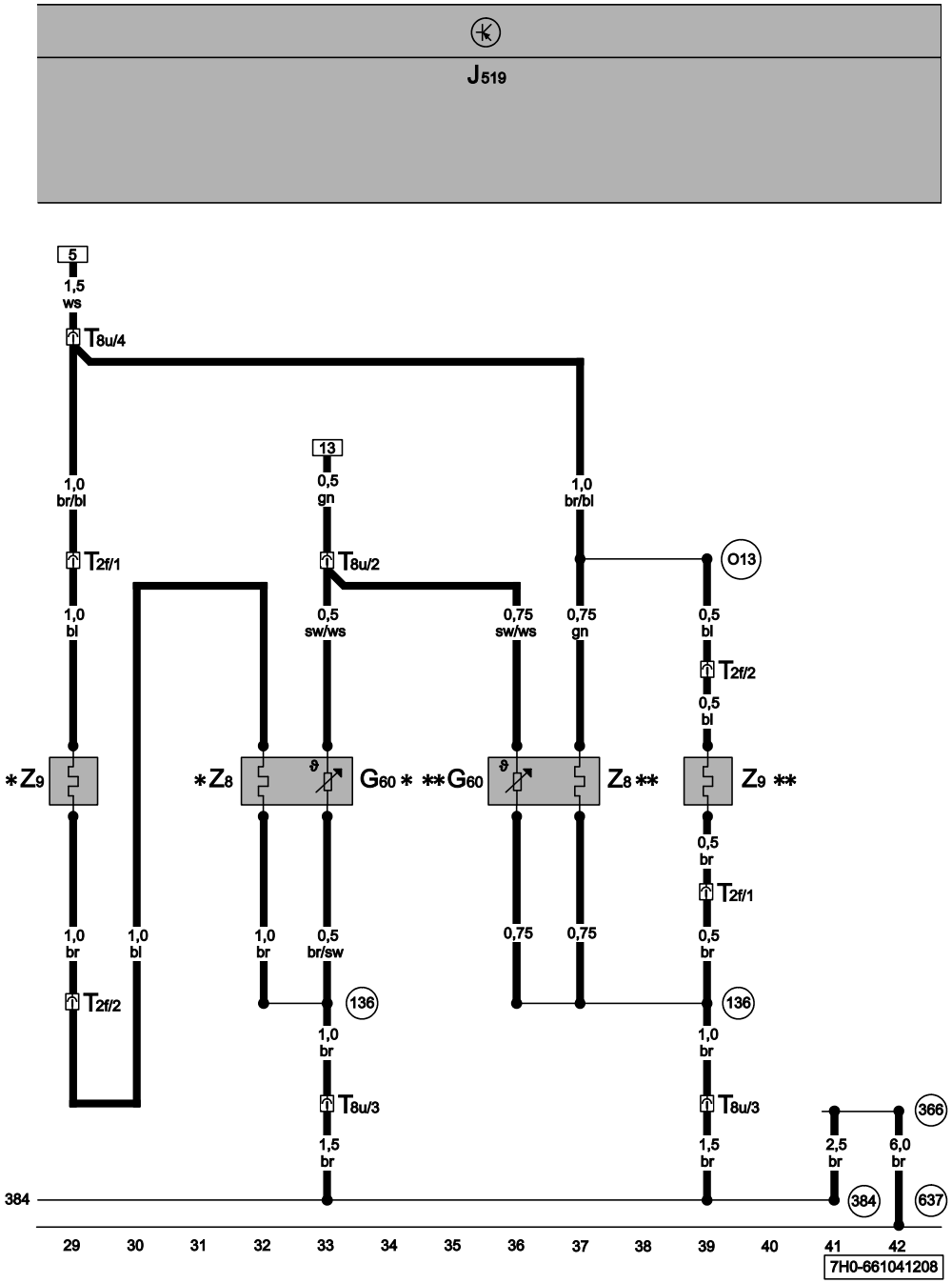
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Heated front passenger seat regulator, heated front passenger seat regulator, fuses

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J519	Onboard supply control unit
L44	Seat heating switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
384	Earth connection 19, in main wiring harness
B138	Positive connection (X), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B348	Connection 1 (75A), in main wiring harness
*	for convenience-dash panel only
**	for standard-dash panel only

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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front passenger seat temperature sensor, heated front passenger seat

G60	Front passenger seat temperature sensor
J519	Onboard supply control unit
T2f	2-pin connector, black, in front passenger seat
T8u	8-pin connector, black, under front passenger seat
Z8	Heated front passenger seat cushion
Z9	Heated front passenger seat backrest
136	Earth connection 2, in seat heating wiring harness
366	Earth connection 1, in main wiring harness
384	Earth connection 19, in main wiring harness
637	Earth point, airbag control unit
O13	Connection 2, in seat heating wiring harness
*	only for single seat on front passenger side
**	only for double seat on front passenger side

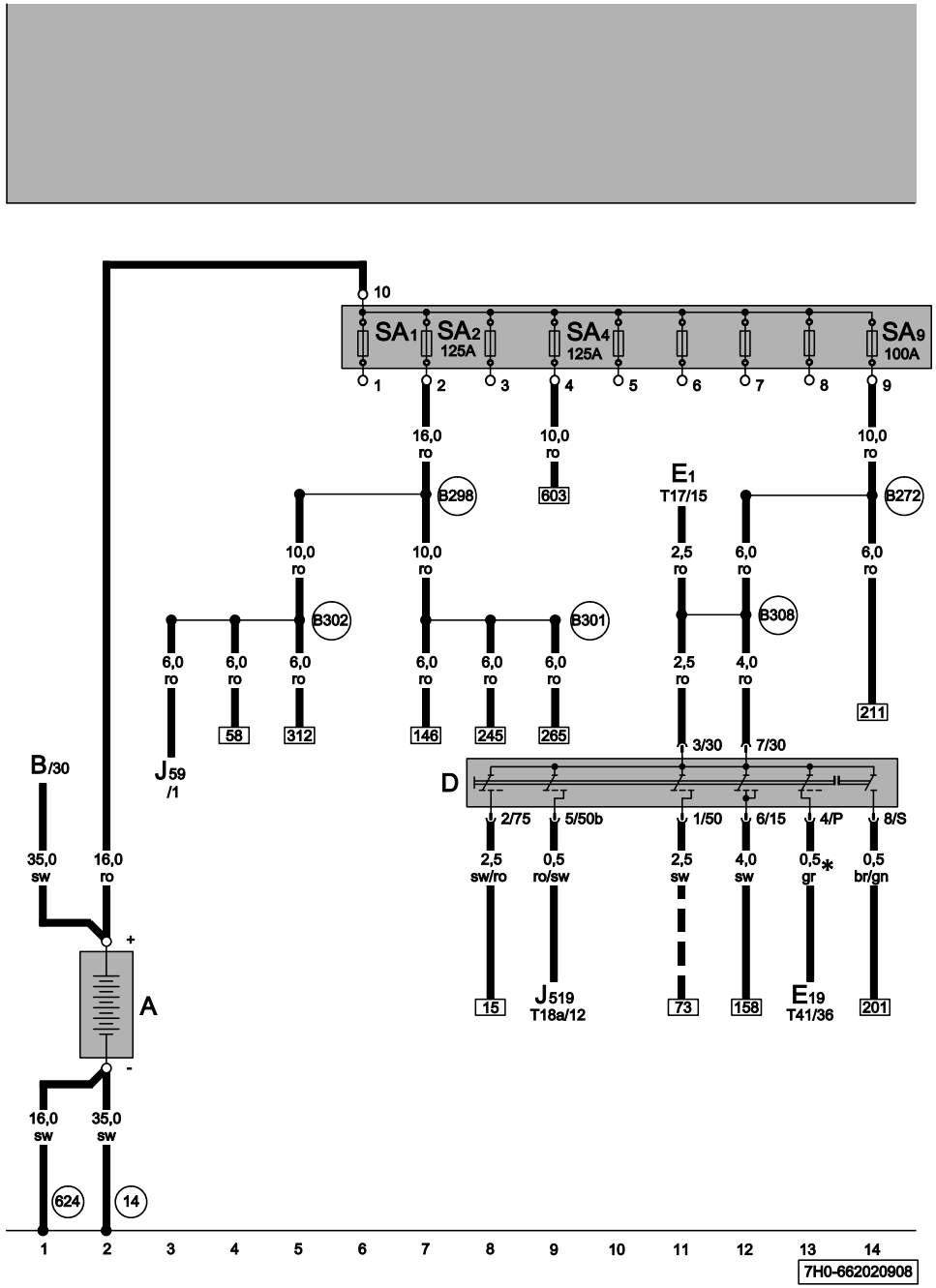
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



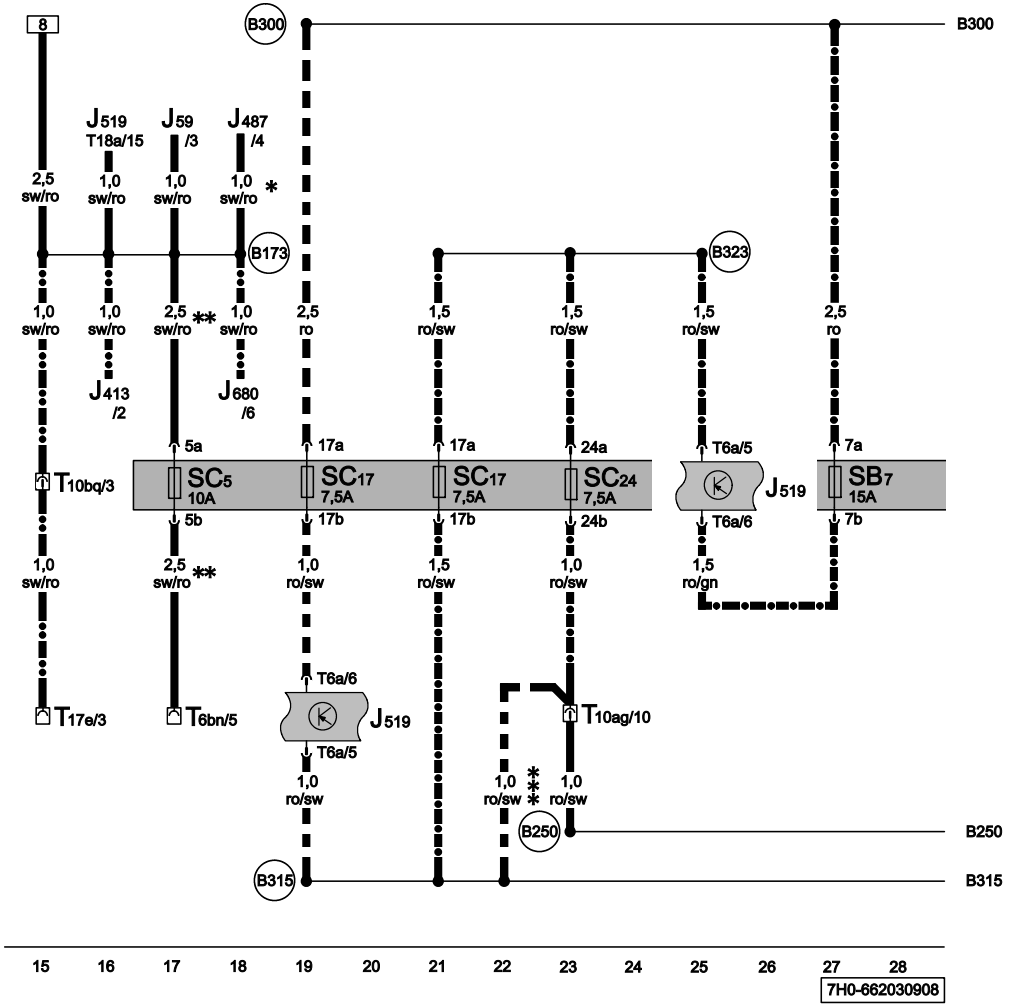
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Battery, starter, ignition/starter switch, fuses SA1, SA2, SA4 and SA9

A	Battery
B	Starter
D	Ignition/starter switch
E1	Light switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA9	Fuse 9 on fuse holder A
T17	17-pin connector
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	for models without day driving light only

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for models with manual gearbox only

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ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white

Fuses SB7, SC5, SC17 and SC24

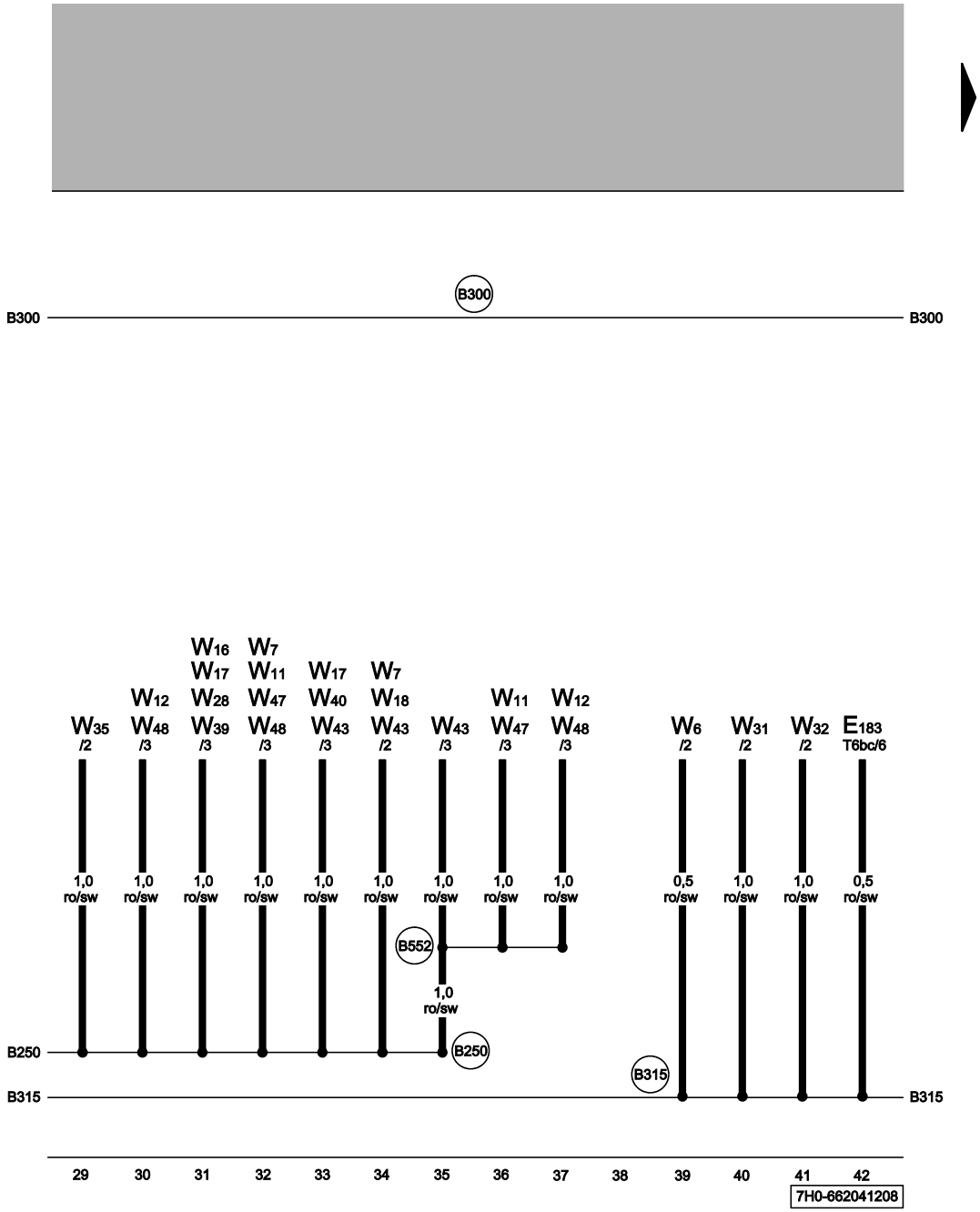
J59	X-contact relief relay
J413	Horn relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
J680	Terminal 75 voltage supply relay 1
SB7	Fuse 7 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bn	6-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
T18a	18-pin connector, brown
B173	Positive connection 2 (X), in interior wiring harness
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment
**	for models with electric interface only
***	not for double cab and plank bed vehicles

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for models without roof console only

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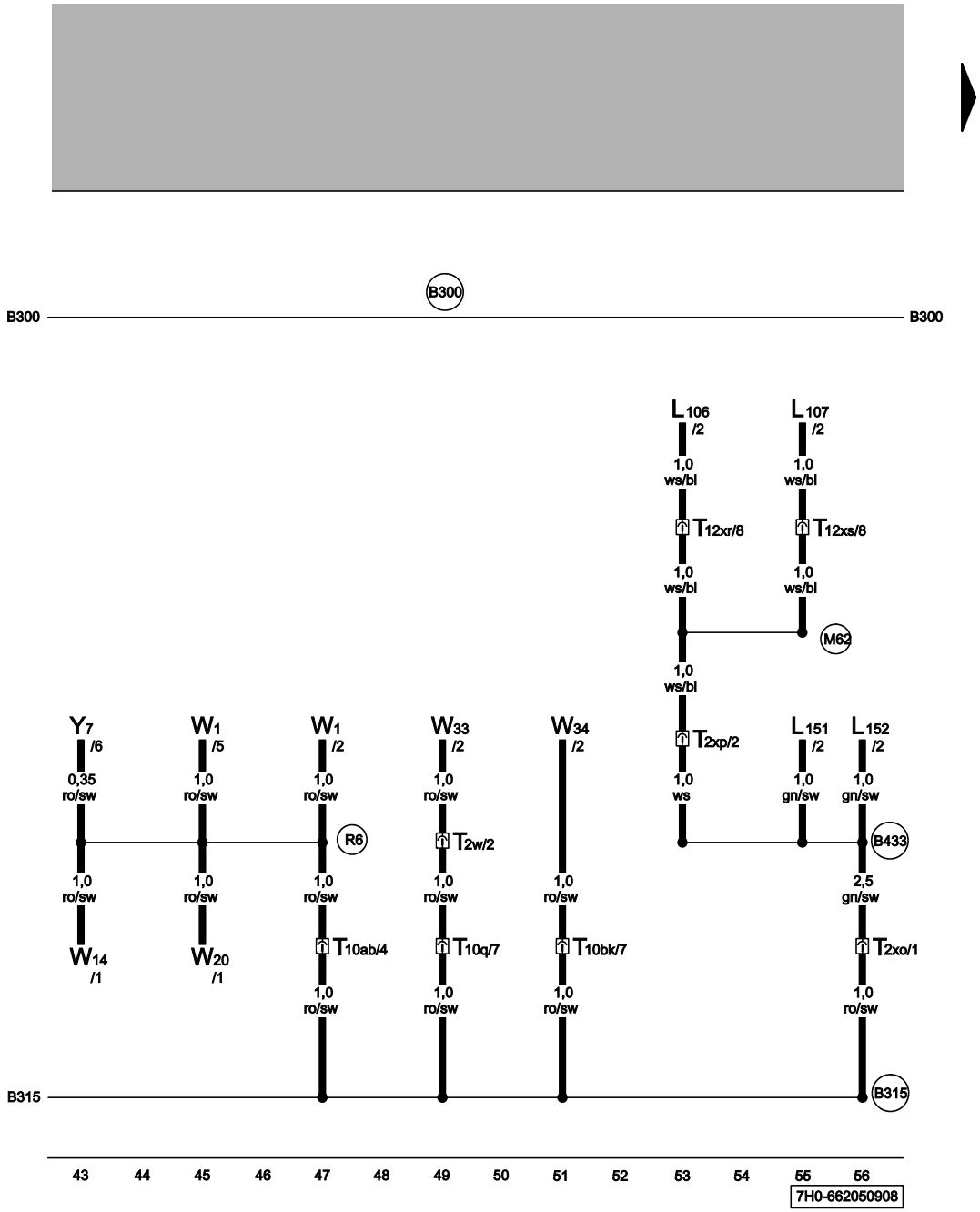
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

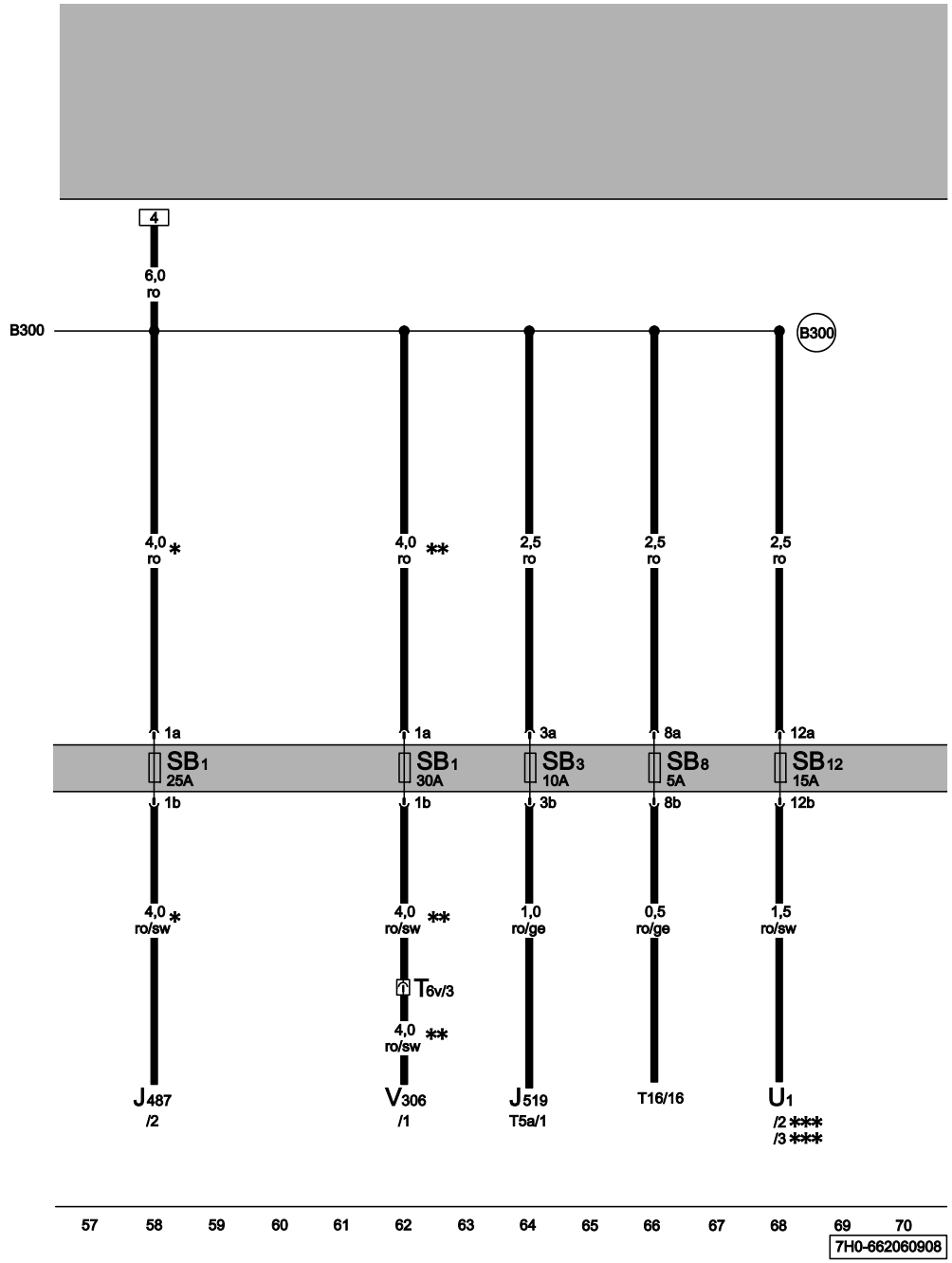
E183	Interior monitor deactivation switch
W6	Glove compartment light
W7	Centre interior light
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W18	Luggage compartment light on left
W28	Front interior light in high roof
W31	Front left entry light
W32	Front right entry light
W35	Right luggage compartment light
W39	Left centre reading light
W40	Right centre reading light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
T6bc	6-pin connector, blue
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

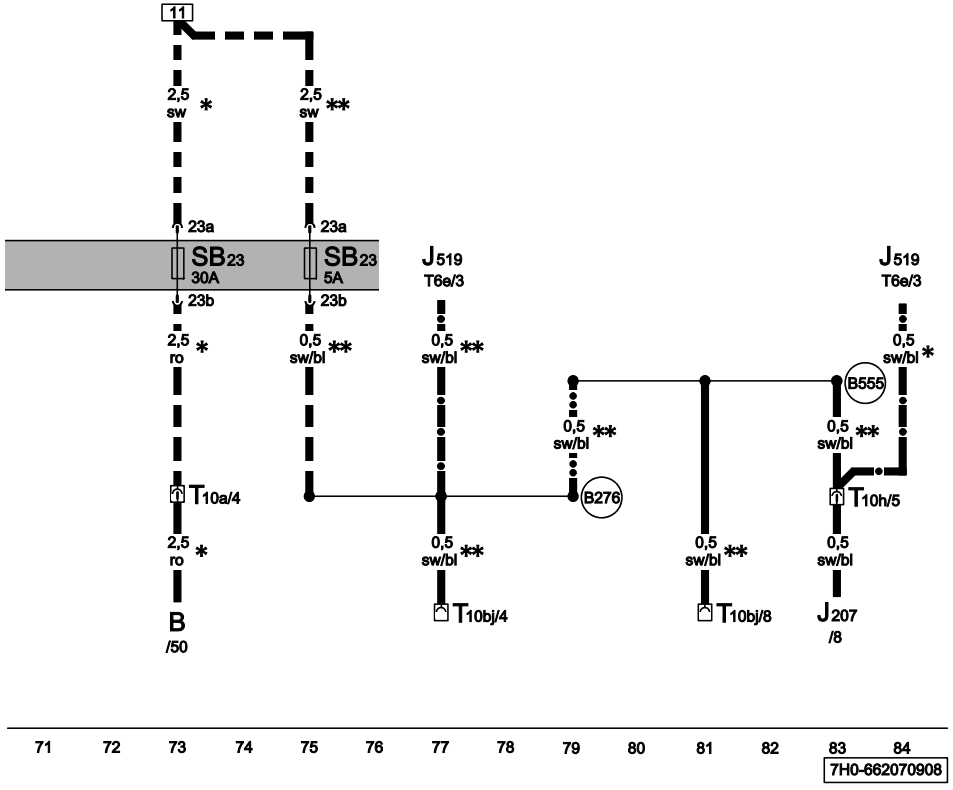
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
T2w	2-pin connector, black, lower left B-pillar
T2xo	2-pin connector
T2xp	2-pin connector
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12xr	12-pin connector
T12xs	12-pin connector
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness



Fuses SB1, SB3, SB8 and SB12

J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5a	5-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
V306	Rear blower Bitron regulation motor
B300	Positive connection 4 (30), in main wiring harness
*	for models without Climatronic only
**	for models with Climatronic only
***	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



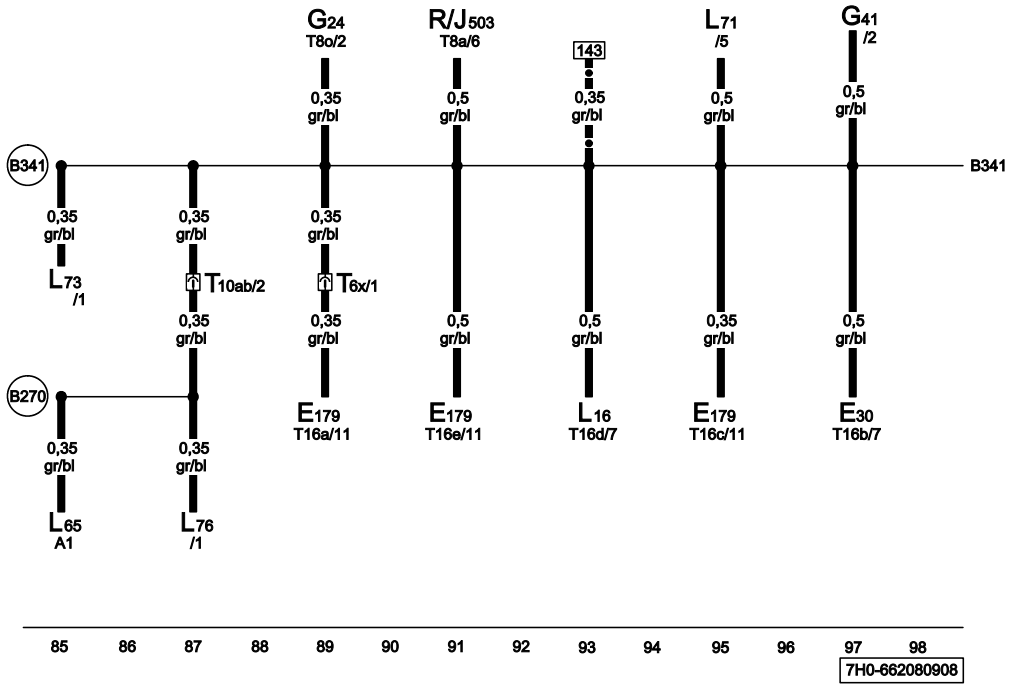
Fuses SB23

B	Starter
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models without electric interface only
**	for models with electric interface only
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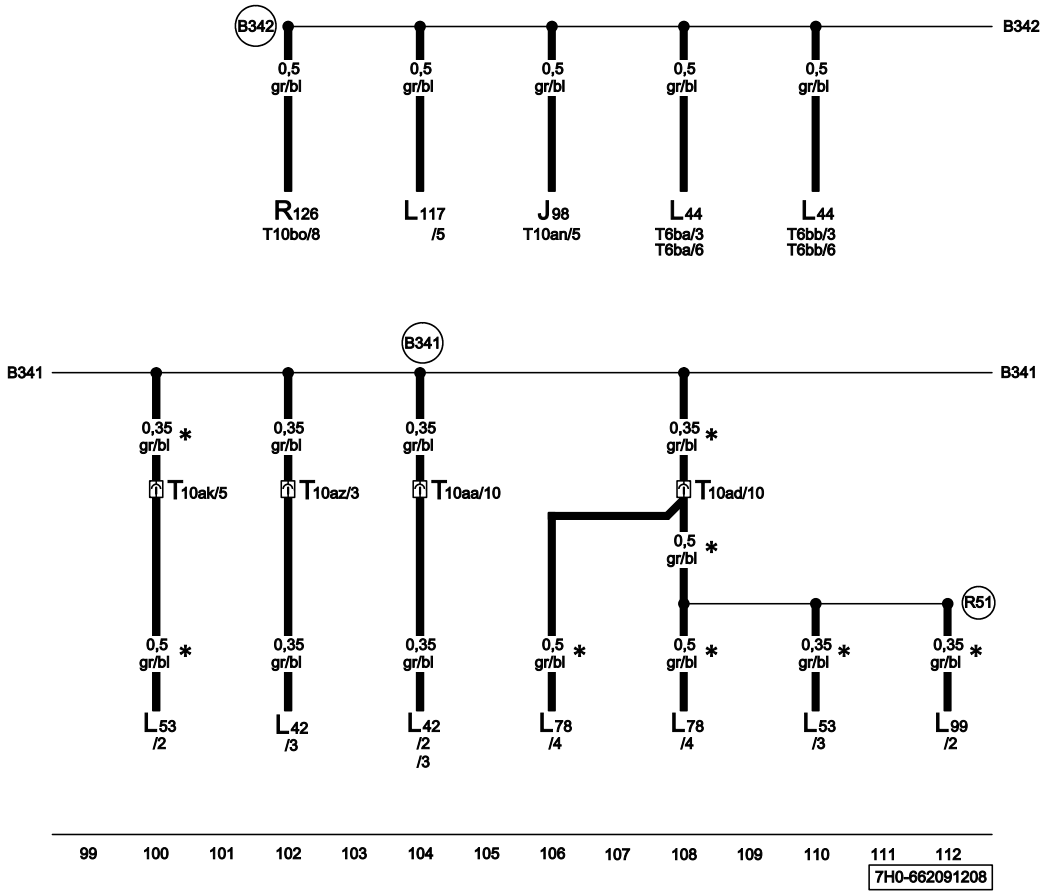
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or = orange
rs = pink

Illumination

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G24	Tachograph
G41	Taxi meter
J503	Control unit with display for radio and navigation system
L16	Fresh air regulator illumination bulb
L65	Sliding sunroof switch illumination bulb
L71	Traction control switch illumination bulb
L73	Interior light switch illumination bulb (taxi)
L76	Button illumination bulb
R	Radio
T6x	6-pin connector, purple, coupling station under front passenger seat
T8a	8-pin connector, black
T8o	8-pin connector, white
T10ab	10-pin connector, white, coupling station on left of A-pillar
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
B270	Connection (58s), in roof wiring harness
B341	Connection 2 (58d), in main wiring harness

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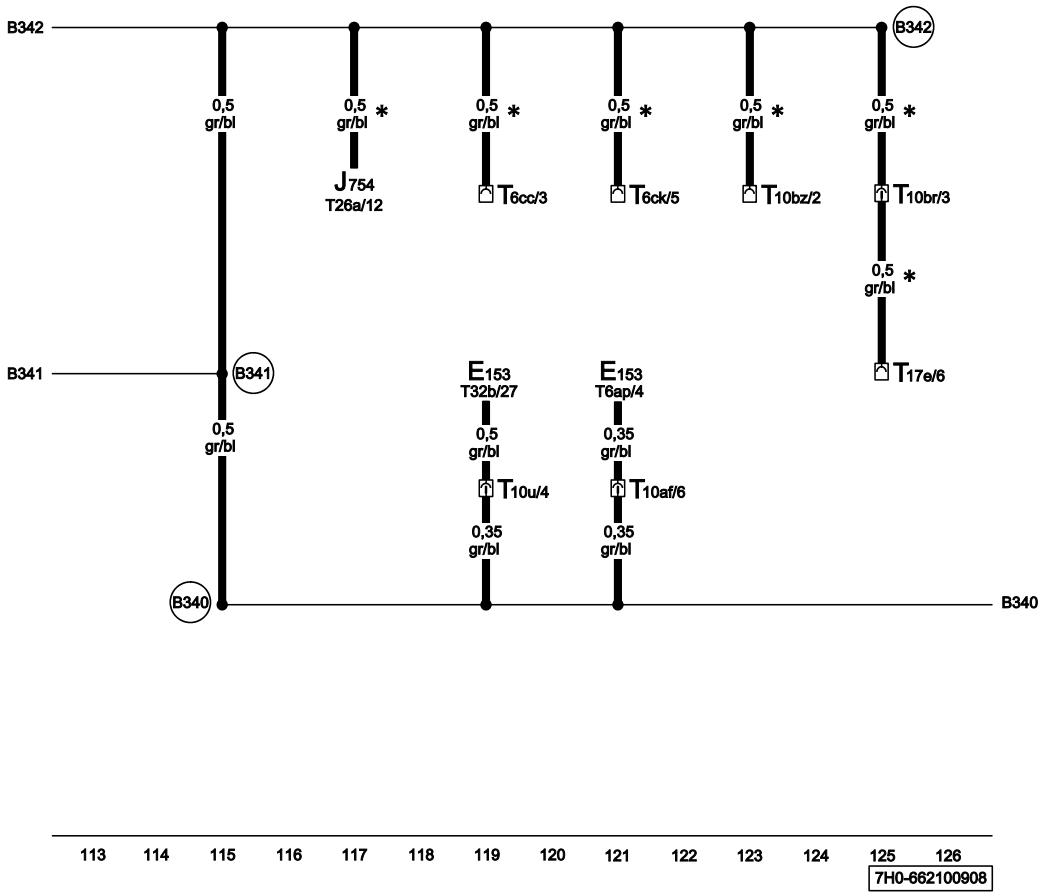




Illumination

J98	Gearshift indicator control unit
L42	Socket illumination bulb
L44	Seat heating switch illumination bulb
L53	Window regulator switch illumination bulb
L78	Mirror adjustment switch illumination bulb
L99	Interior lock switch illumination bulb
L117	Parking aid switch illumination bulb
R126	Telephone bracket
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10an	10-pin connector, black
T10az	10-pin connector, white, coupling station under front passenger seat
T10bo	10-pin connector, black, near telephone bracket
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	depends on equipment

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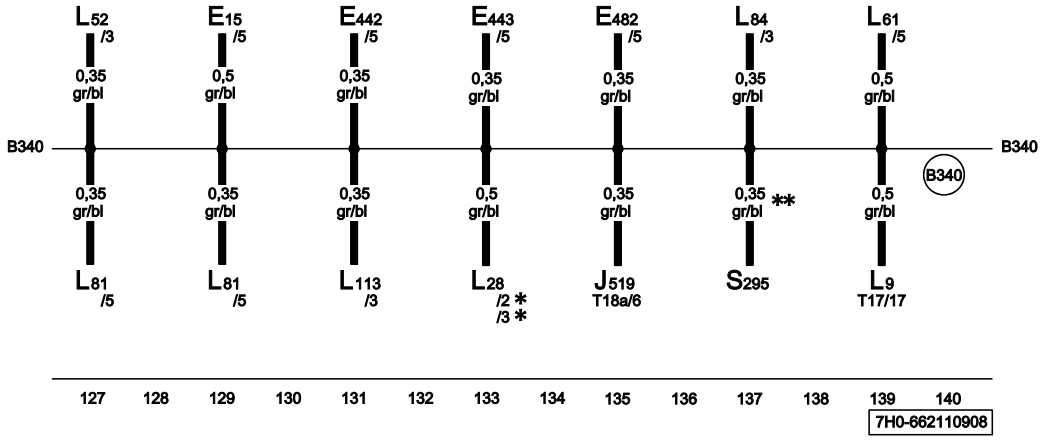
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Illumination

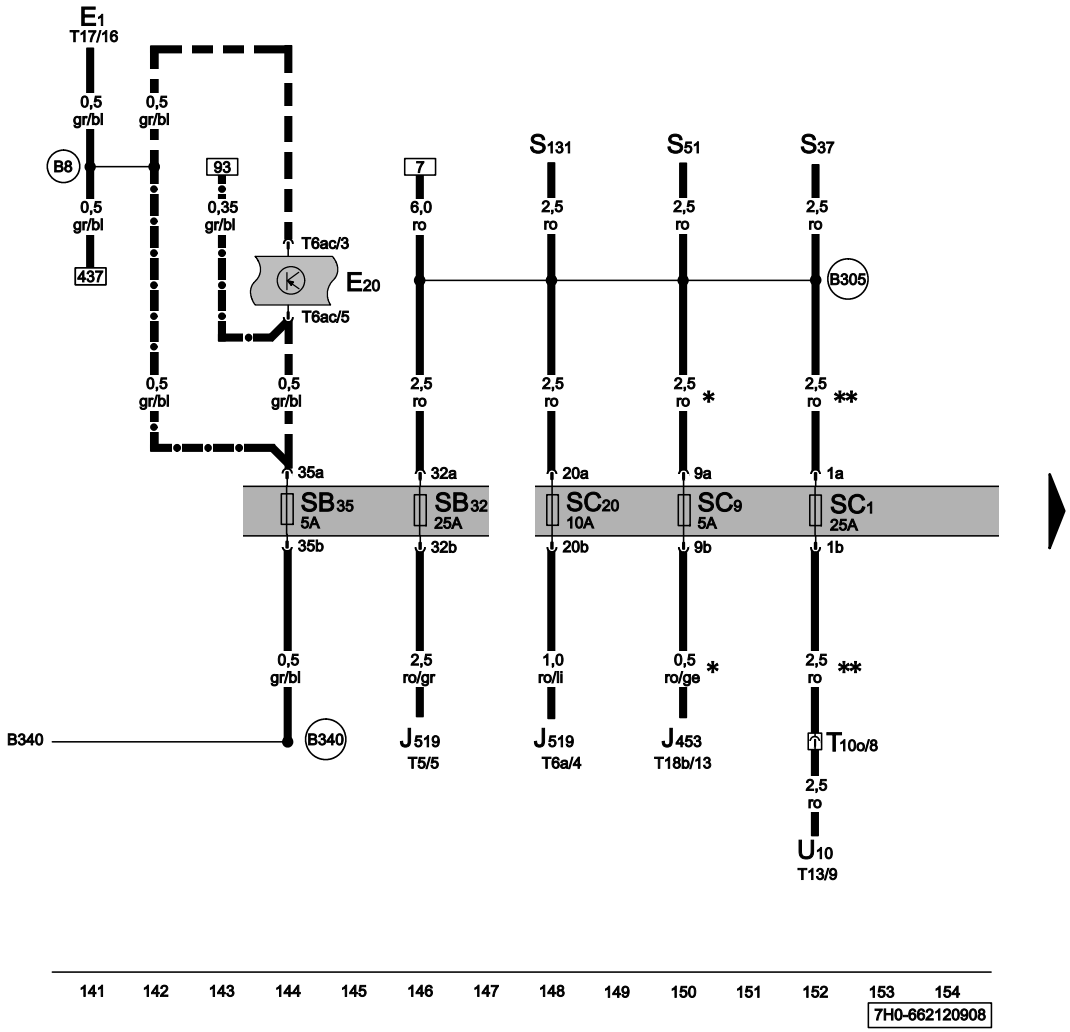
E153	Operating and display unit for camping equipment
J754	Accident data memory
T6ap	6-pin connector
T6cc	6-pin connector, black, 2-way radio switch interface
T6ck	6-pin connector, black, interior light switch interface
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T10bz	10-pin connector, green, navigation system interface, under front passenger seat
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
T26a	26-pin connector, black, under front passenger seat
T32b	32-pin connector, black
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
*	for models with optimal equipment police (UF5/UF7) only

Illumination and fuse S295

E15	Heated rear window switch
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
L9	Light switch illumination bulb
L28	Cigarette lighter illumination bulb
L52	Light connection for fader regulator
L61	Differential lock switch illumination bulb
L81	Roof ventilator switch illumination bulb
L84	Red Cross light switch illumination bulb
L113	Rotating light and siren switch illumination bulb
S295	Special vehicle fuse 5
T17	17-pin connector
T18a	18-pin connector, brown
B340	Connection 1 (58d), in main wiring harness
*	depends on equipment
**	for models with electric interface only



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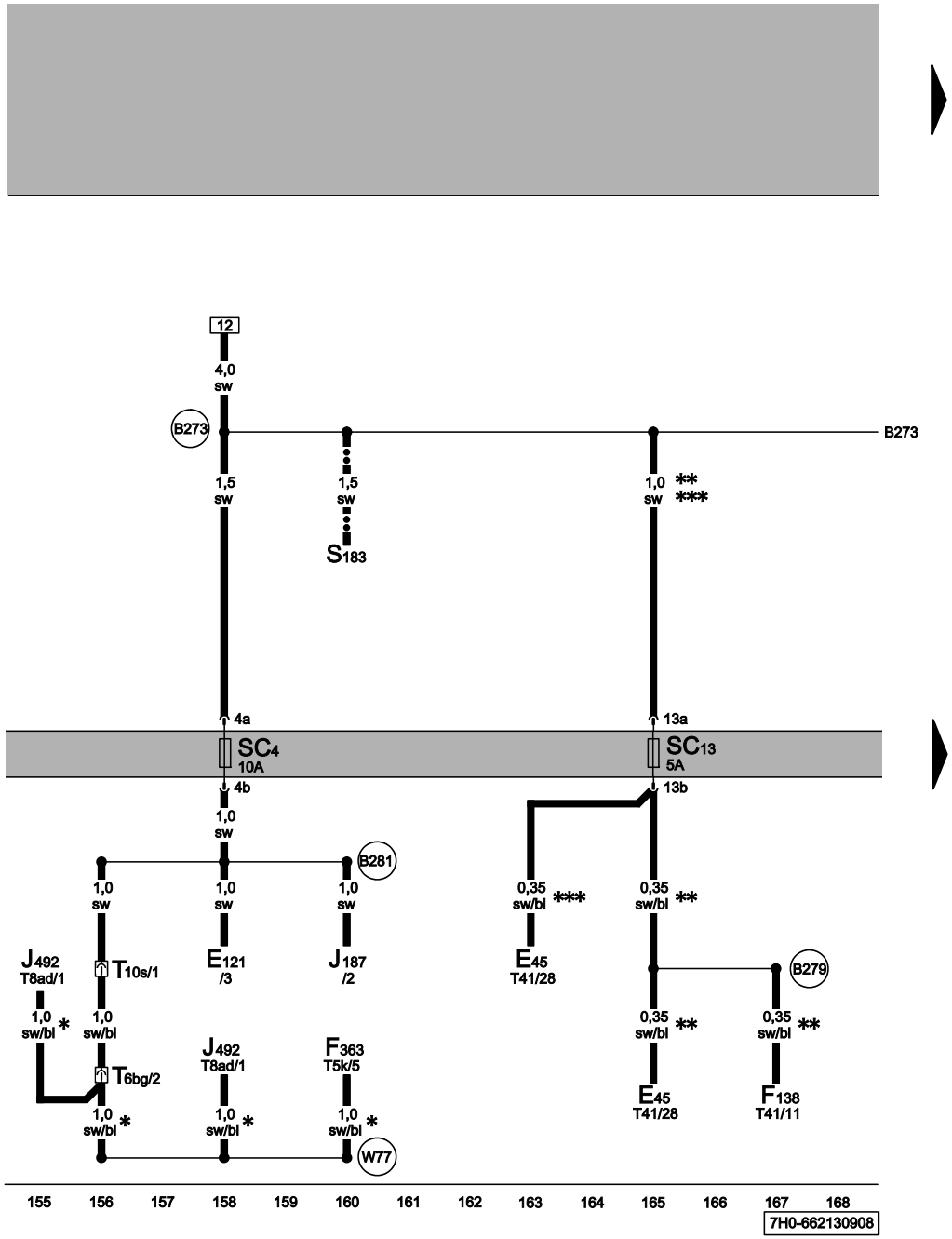


Fuses S37, S51, S131, SB32, SB35, SC1, SC9 and SC20

E1	Light switch
E20	Switches and instruments illumination regulator
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
S51	Fuse
S131	Fuse 1
SB32	Fuse 32 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC20	Fuse 20 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T18b	18-pin connector, black
U10	Trailer socket
B8	Positive connection (58), in light switch wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	for models with towing coupling (1D1/1D2) and without second battery (8FA) only

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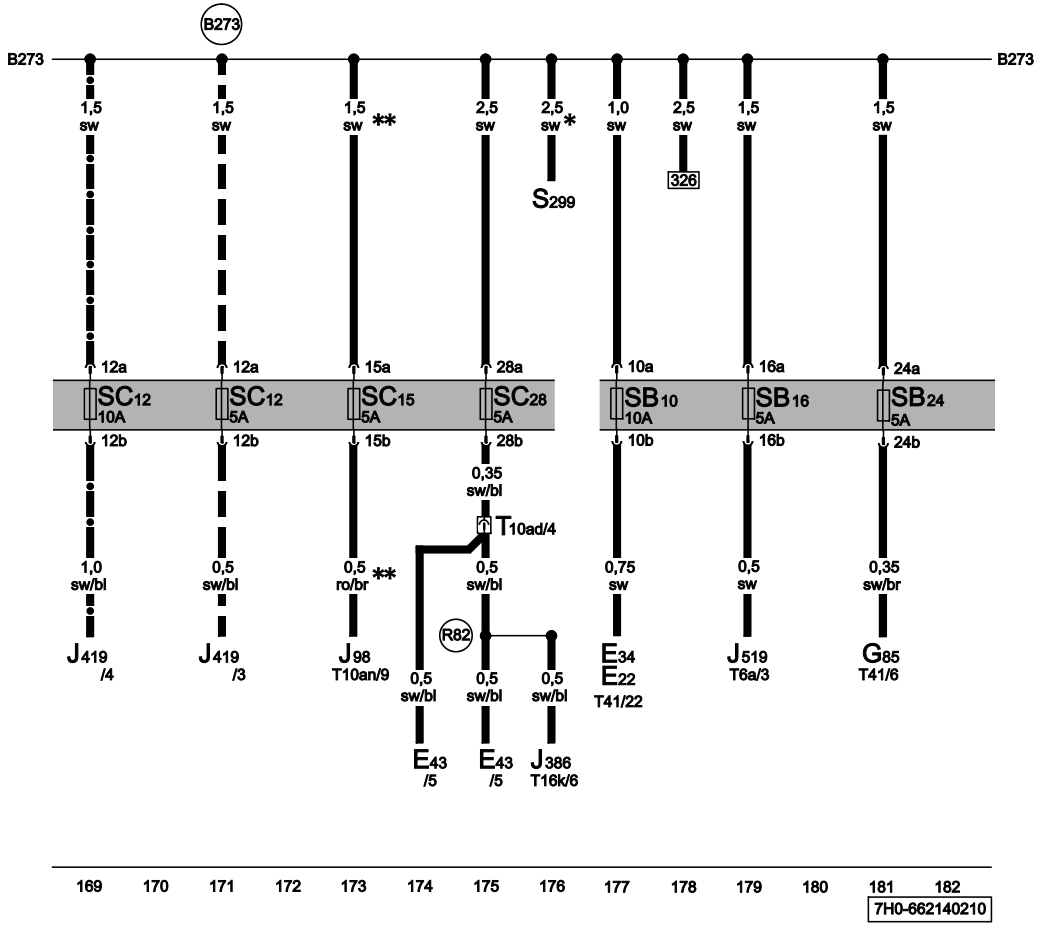


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Fuses S183, SC4 and SC13

E45	Cruise control system switch
E121	Rear differential lock switch
F138	Airbag coil connector and return spring with slip ring
F363	Rear differential lock vacuum switch
J187	Differential lock control unit
J492	Four-wheel drive control unit
S183	Taxi meter and alarm system fuse
SC4	Fuse 4 on fuse holder C
SC13	Fuse 13 on fuse holder C
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	depends on equipment
**	for models with operating unit in steering wheel for radio and CCS only
***	for models with cruise control system only

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for models with taxi equipment only



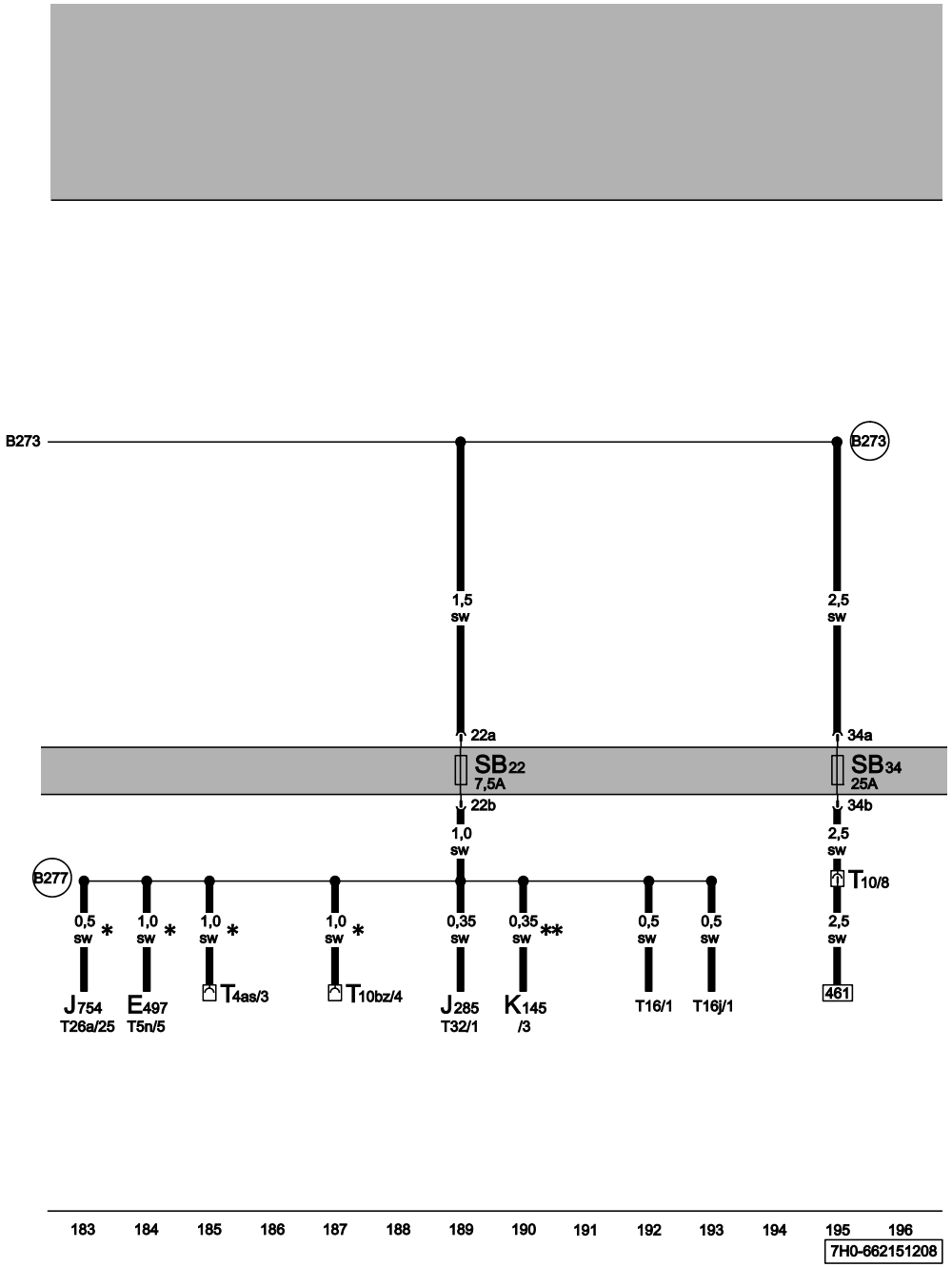
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Fuses S299, SB10, SB16, SB24, SC12, SC15 and SC28

E22	Intermittent wiper switch
E34	Rear wiper switch
E43	Mirror adjustment switch
G85	Steering angle sender
J98	Gearshift indicator control unit
J386	Driver door control unit
J419	Brake light additional relay
J519	Onboard supply control unit
S299	Special vehicle fuse 9
SB10	Fuse 10 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB24	Fuse 24 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T16k	16-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	for models with electric interface only
**	for models with automatic gearbox only
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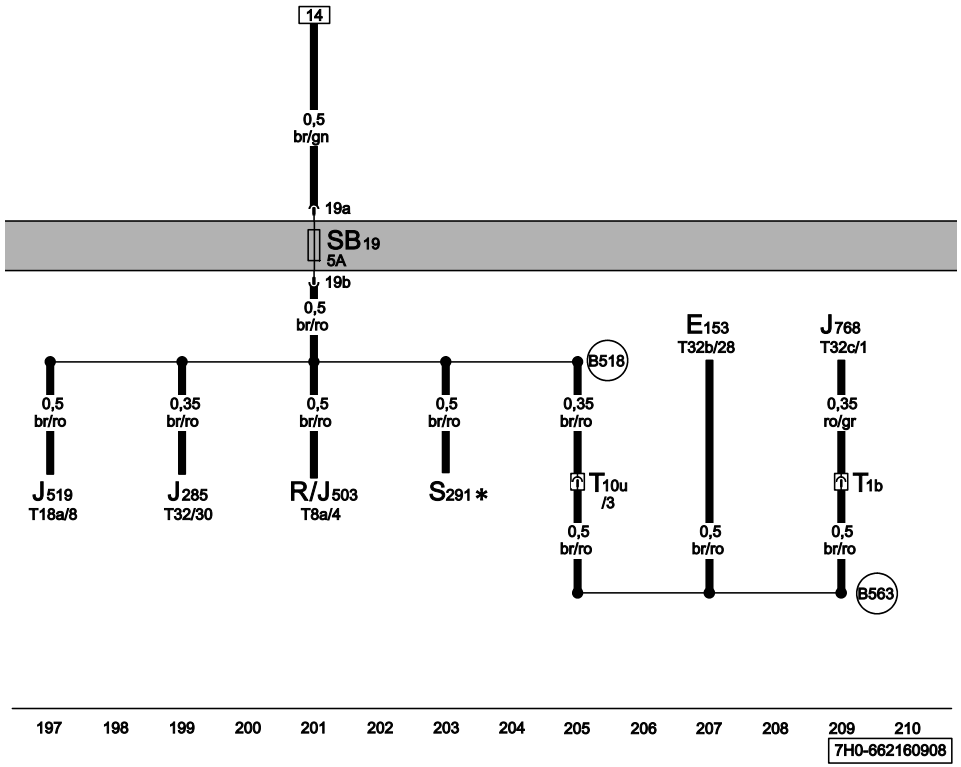
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Fuses SB22 and SB34

E497	Accident data recorder button
J285	Control unit in dash panel insert
J754	Accident data memory
K145	Front passenger side airbag deactivated warning lamp
SB22	Fuse 22 on fuse holder B
SB34	Fuse 34 on fuse holder B
T4as	4-pin connector, black, engine continues to run with no key button interface
T5n	5-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10bz	10-pin connector, green, navigation system interface, under front passenger seat
T16	16-pin connector, diagnostic connector
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
*	for models with optimal equipment police (UF5/UF7) only
**	for models with key operated switch to deactivate front passenger side airbag only

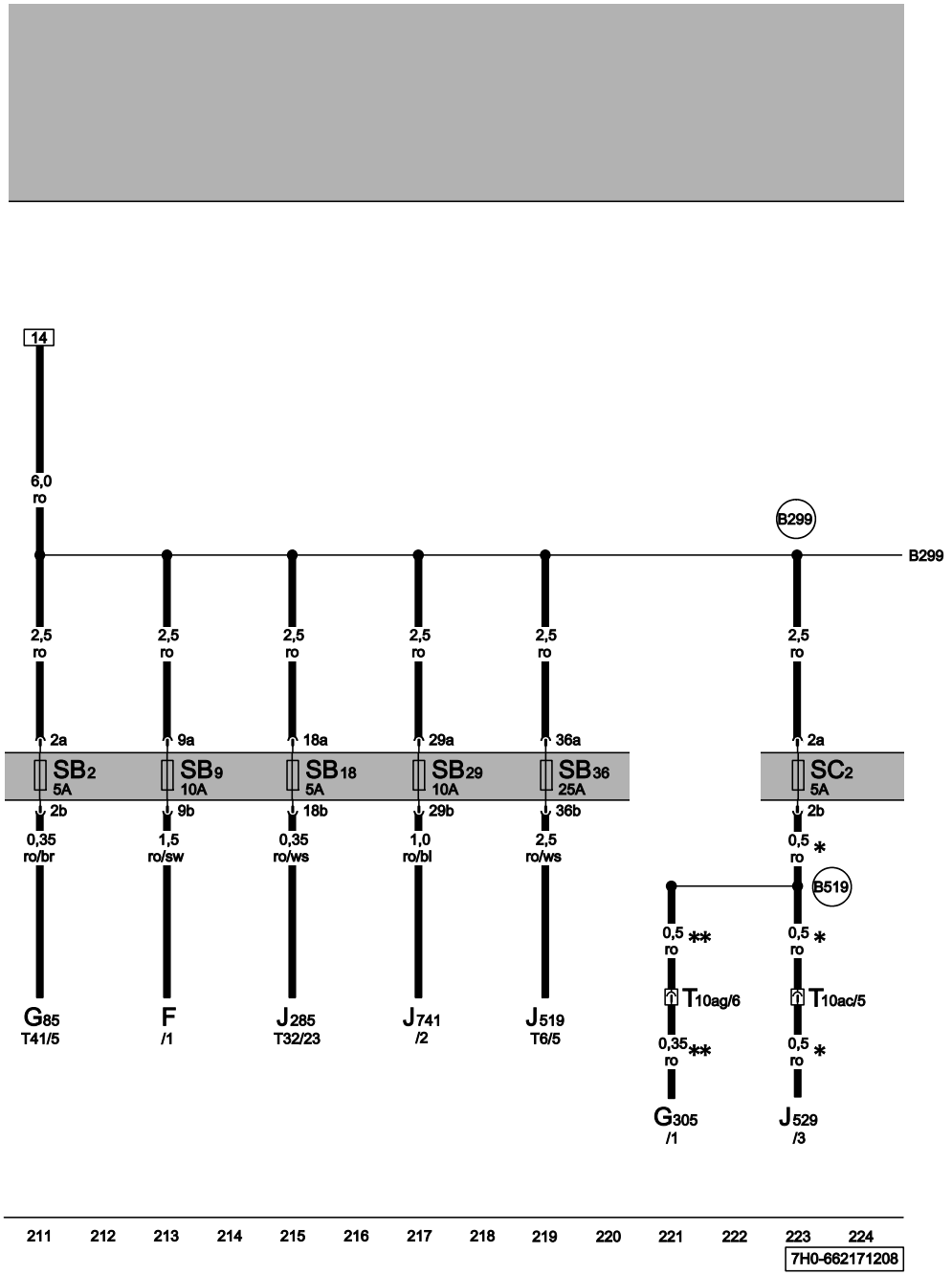
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or	=	orange
rs	=	pink



Fuses S291 and SB19

E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J768	Roof hydraulics control unit
R	Radio
S291	Special vehicle fuse 1
SB19	Fuse 19 on fuse holder B
T1b	Single connector, grey, near roof hydraulics control unit
T8a	8-pin connector, black
T10u	10-pin connector, blue, coupling station under driver seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
T32c	32-pin connector, black
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	for models with electric interface only

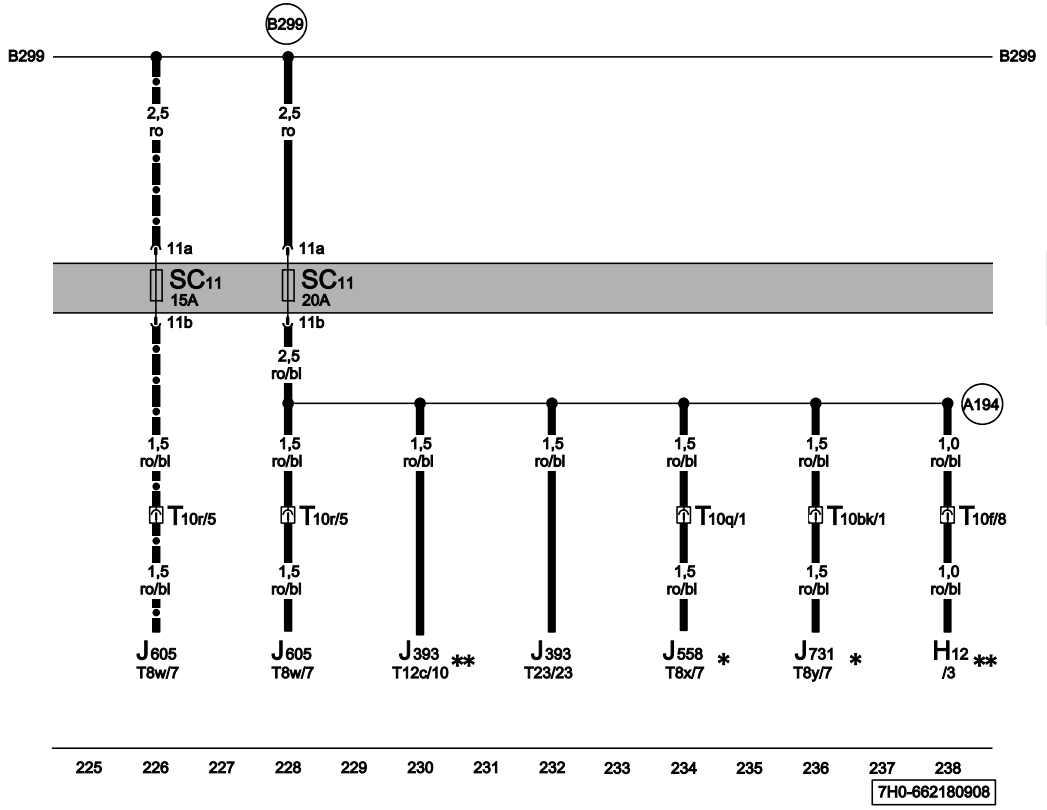
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ge	=	yellow
or	=	orange
rs	=	pink



Fuses SB2, SB9, SB18, SB29, SB36 and SC2

F	Brake light switch
G85	Steering angle sender
G305	Interior monitor send and receive module 2
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J741	Dual signal inverter relay
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB29	Fuse 29 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
T6	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T32	32-pin connector, blue
T41	41-pin connector
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with anti-theft alarm system only 7AL

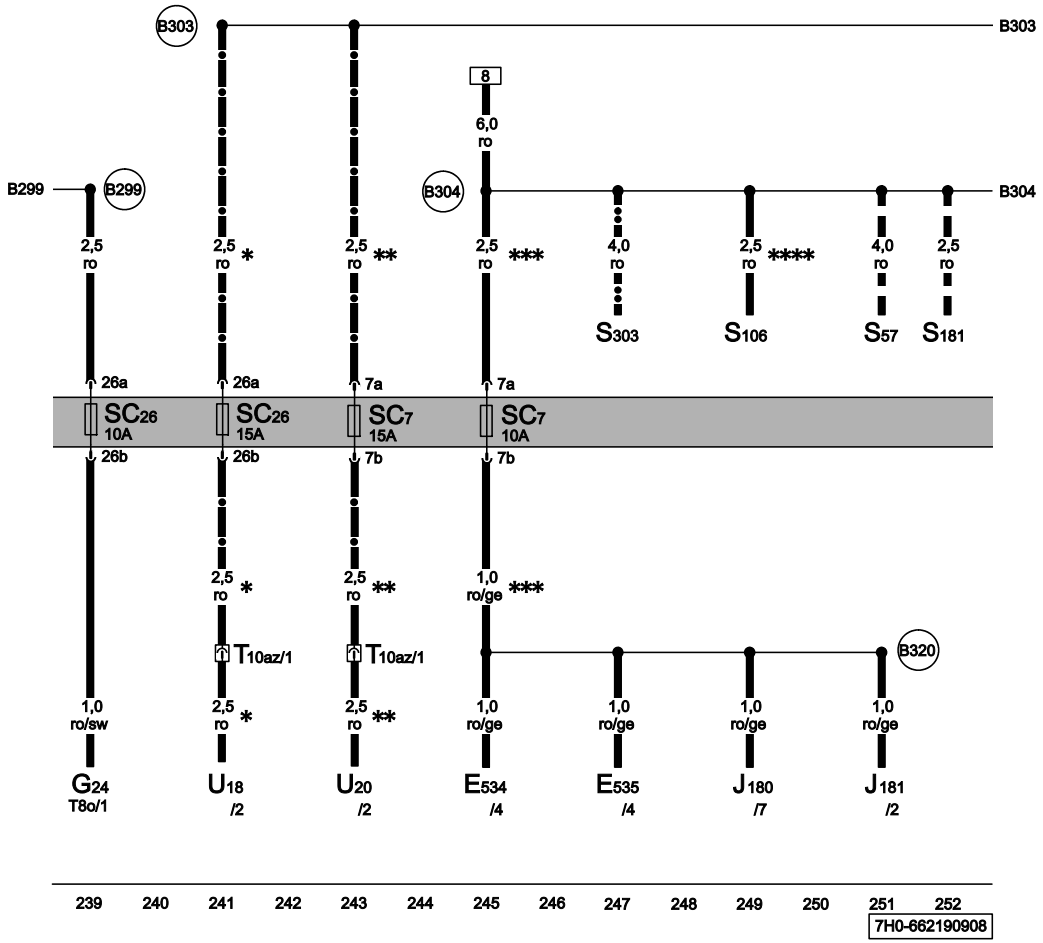
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or	=	orange
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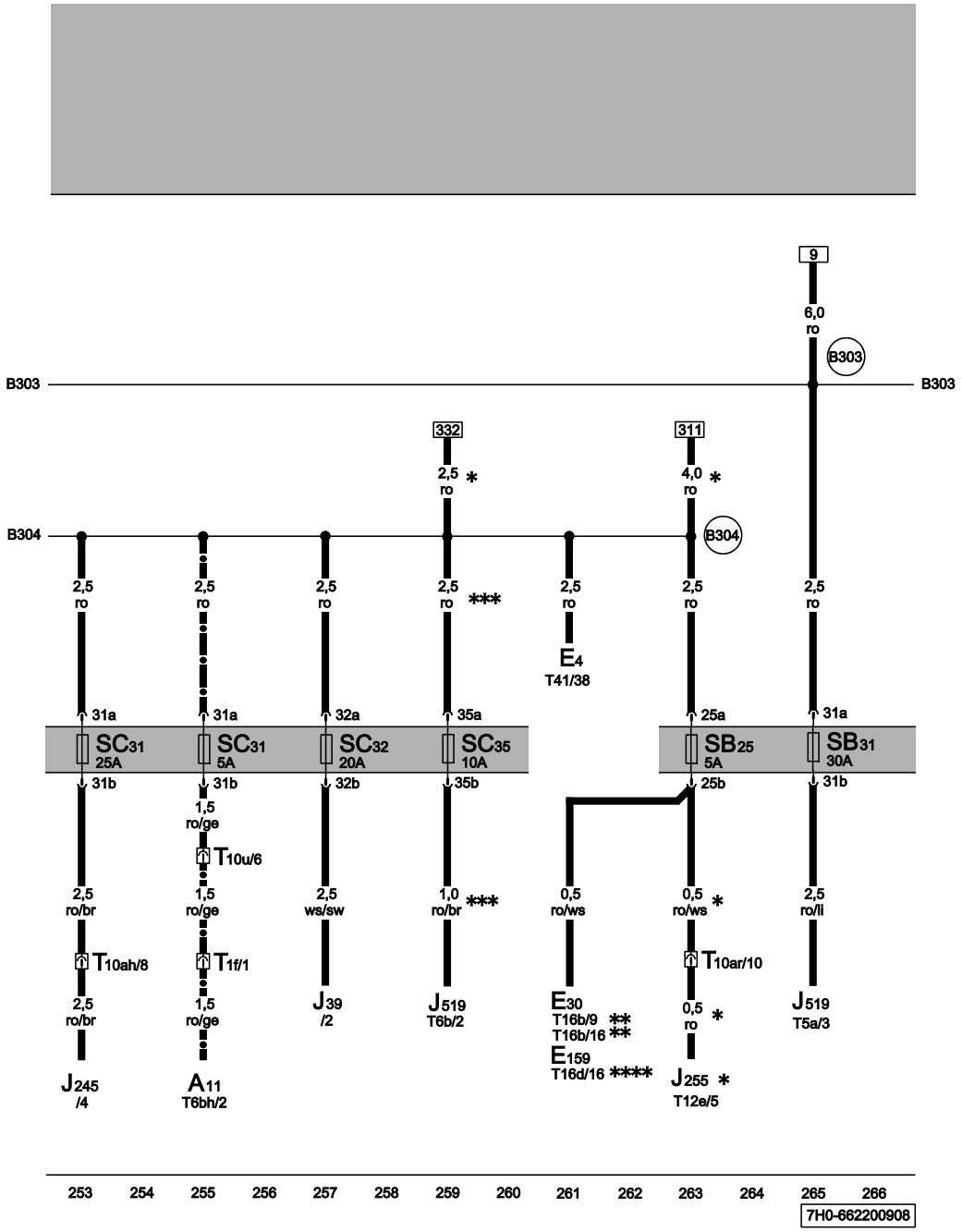
Fuse SC11

H12	Alarm horn
J393	Convenience system central control unit
J558	Left sliding door control unit
J605	Rear lid control unit
J731	Right sliding door control unit
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T8x	8-pin connector, black, coupling station left D-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12c	12-pin connector
T23	23-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with power latching system, without electric sliding door only
**	for models with anti-theft alarm system only
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Fuses S57, S106, S181, S303, SC7 and SC26

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
G24	Tachograph
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
S57	Alarm system fuse
S106	Rotating light fuse
S181	Taxi alarm system 2 fuse
S303	Special vehicle fuse 13
SC7	Fuse 7 on fuse holder C
SC26	Fuse 26 on fuse holder C
T8o	8-pin connector, white
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U20	12 V socket 4
B299	Positive connection 3 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	for multivan only, not for multivan Startline
**	for caravelle, multivan, multivan Startline and camper Beach only
***	for models with roof ventilator only
****	for models with rotating light only/ Red Cross light
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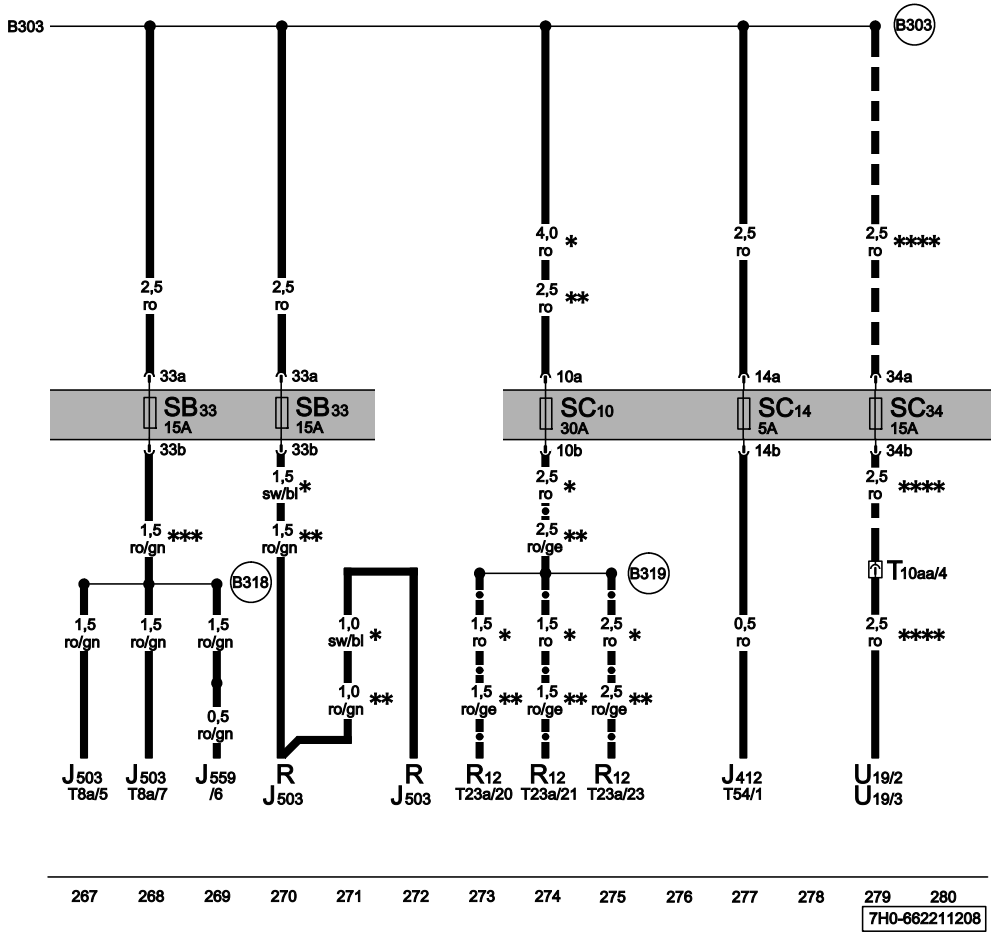
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Fuses SB25, SB31, SC31, SC32 and SC35

A11	Onboard supply charger unit
E4	Headlight dipper/flasher switch
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J255	Climatronic control unit
J519	Onboard supply control unit
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T1f	Single pin connector, black, in lower cupboard
T5a	5-pin connector, brown
T6b	6-pin connector, red
T6bh	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T41	41-pin connector
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with automatic gearbox only
****	for models without air conditioning system only
<fo:exter	for camper only, applicable from November 2006

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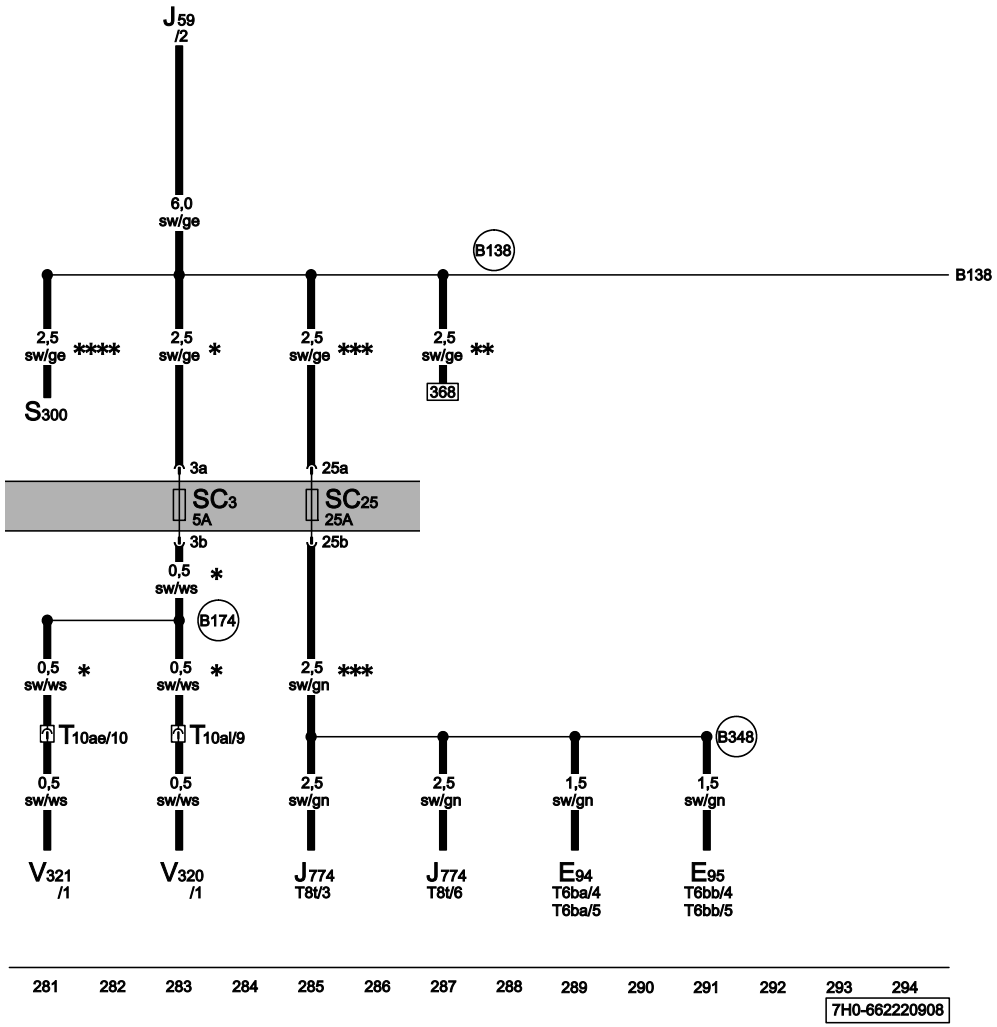
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Fuses SB33, SC10, SC14 and SC34

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J559	Traffic information control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC34	Fuse 34 on fuse holder C
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T23a	23-pin connector, red
T54	54-pin connector, black
U19	12 V socket 3
B303	Positive connection 7 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with radio system only
**	for models with radio navigation system only
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for shuttle and caravelle only
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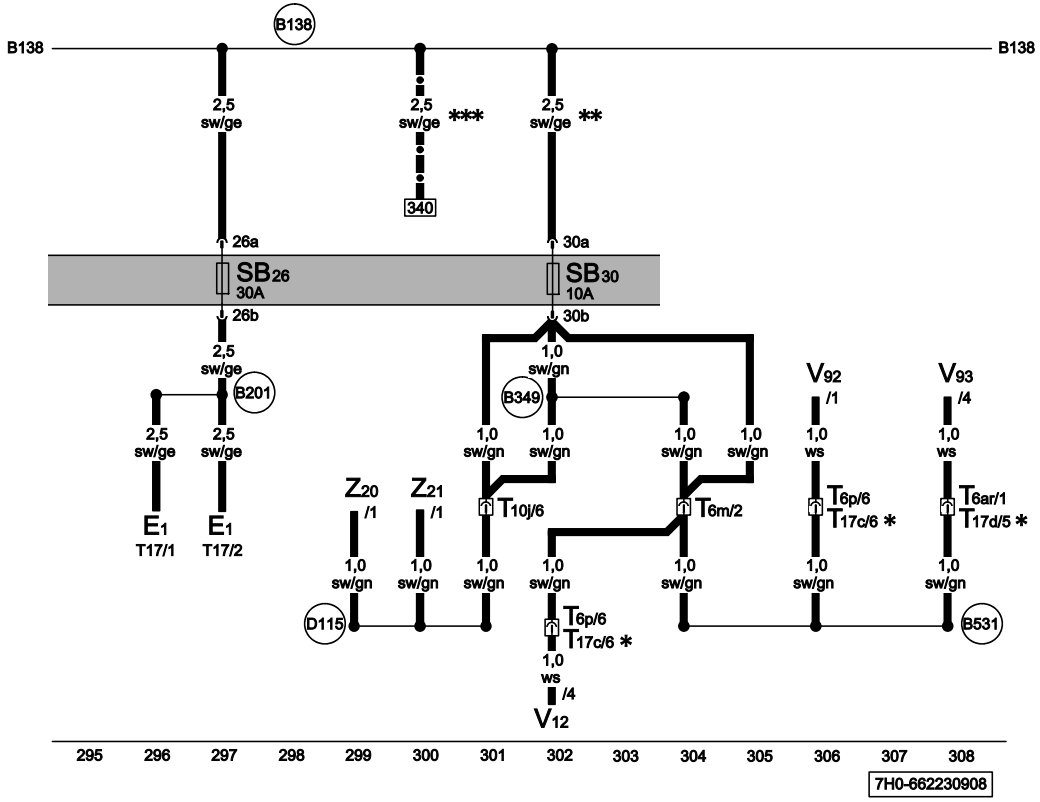
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Fuses S300, SC3 and SC25

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J774	Heated front seats control unit
S300	Special vehicle fuse 10
SC3	Fuse 3 on fuse holder C
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8t	8-pin connector
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
V320	Right auxiliary blower
V321	Left auxiliary blower
B138	Positive connection (X), in interior wiring harness
B174	Positive connection 3 (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
*	depends on equipment
**	for models with auxiliary coolant heater only
***	for models with seat heating only
****	for models with electric interface only

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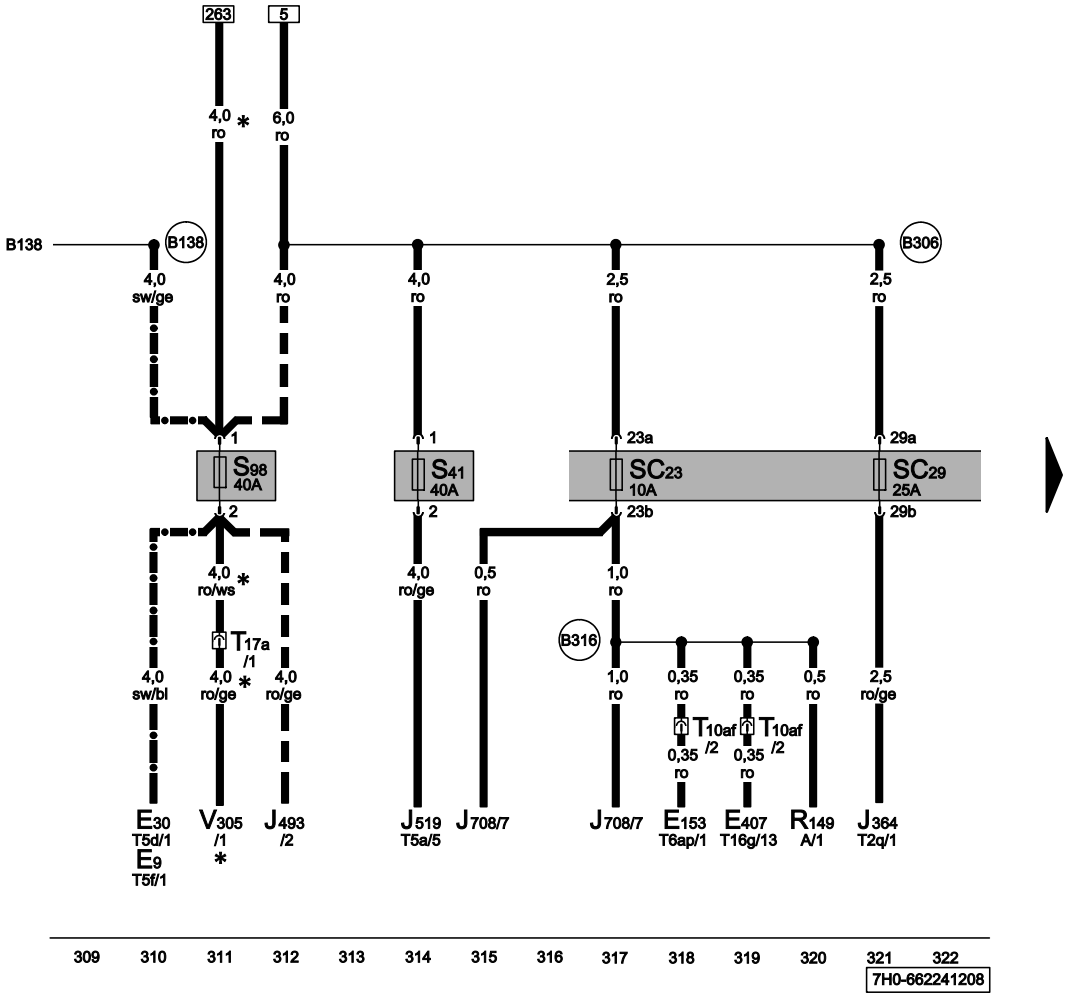


ws = white

Fuses SB26 and SB30

E1	Light switch
SB26	Fuse 26 on fuse holder B
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6ar	6-pin connector, red, coupling station on right of D-pillar
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T17d	17-pin connector, black, coupling station on right of D-pillar
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B349	Connection 2 (75A), in main wiring harness
B531	Positive connection (75), in roof wiring harness
D115	Connection 13, in engine compartment wiring harness
*	applicable from November 2006
**	depends on equipment
***	for models without air conditioning system only
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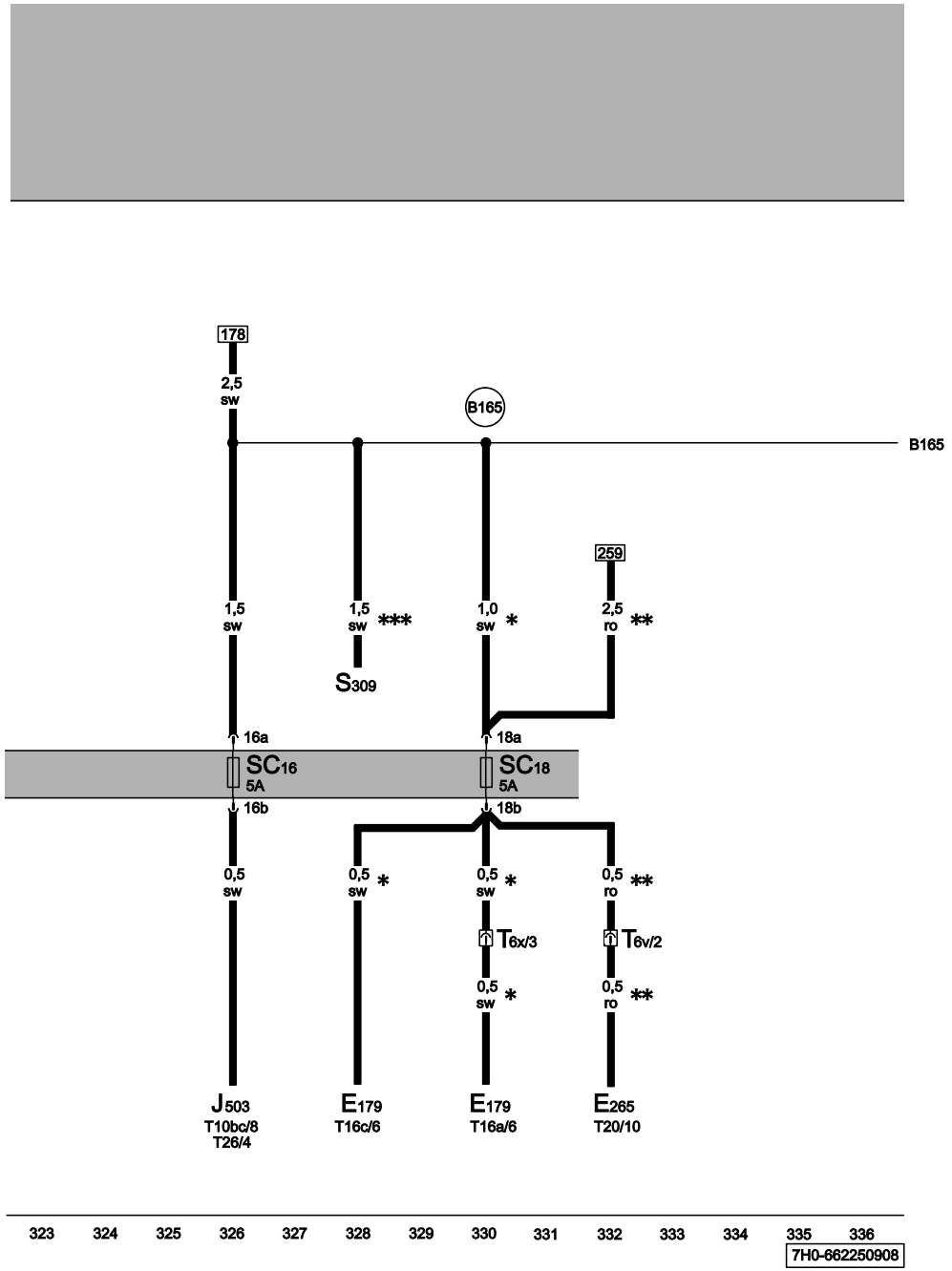


Fuses S41, S98, SC23 and SC29

E9	Fresh air blower switch
E30	Air conditioning system switch
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
J708	Residual heat relay
R149	Remote control receiver for auxiliary coolant heater
S41	Heated rear window fuse
S98	Fresh air blower fuse 2
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T5a	5-pin connector, brown
T5d	5-pin connector
T5f	5-pin connector
T6ap	6-pin connector
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	for models with Climatronic only

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for models with auxiliary coolant heater only

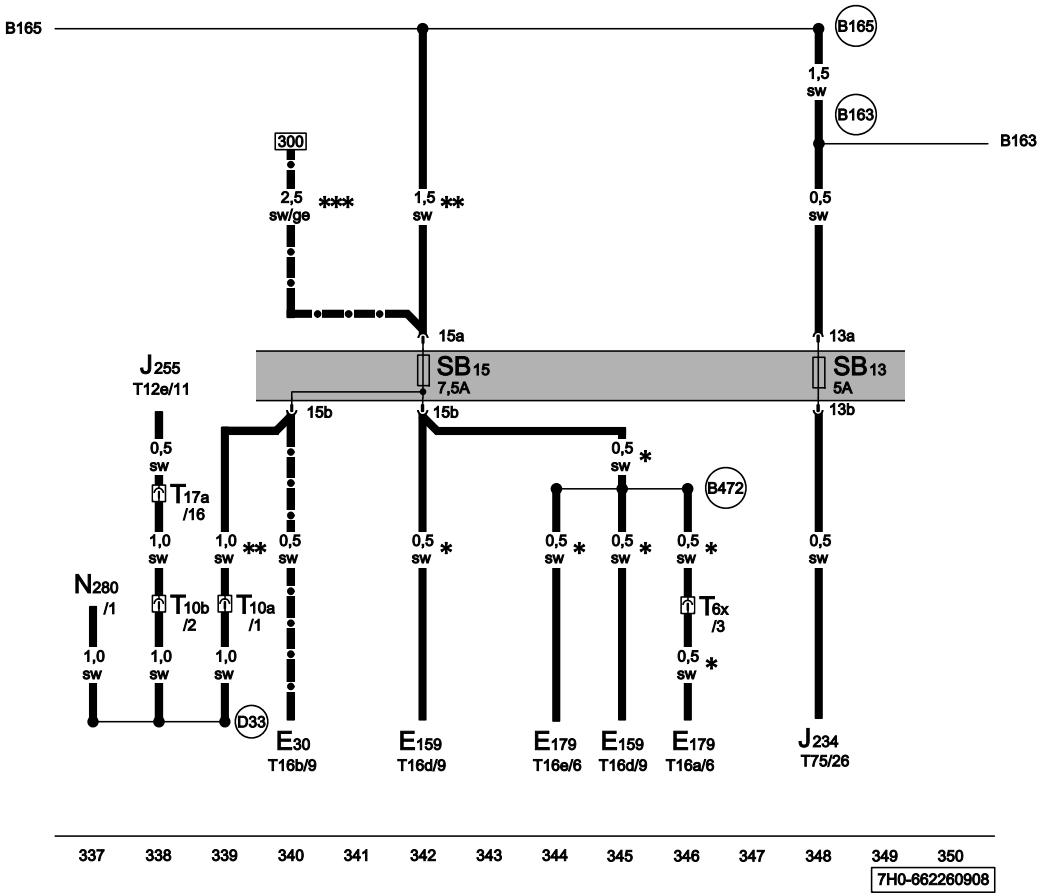
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for models without auxiliary coolant heater only



Fuses S309, SC16 and SC18

E179	Rear fresh air blower switch
E265	Operating and display unit for rear Climatronic
J503	Control unit with display for radio and navigation system
S309	Special vehicle fuse 19
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6x	6-pin connector, purple, coupling station under front passenger seat
T10bc	10-pin connector, red
T16a	16-pin connector, black
T16c	16-pin connector, black
T20	20-pin connector
T26	26-pin connector
B165	Positive connection 2 (15), in interior wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only
***	for models with optimal equipment police (UF7) only

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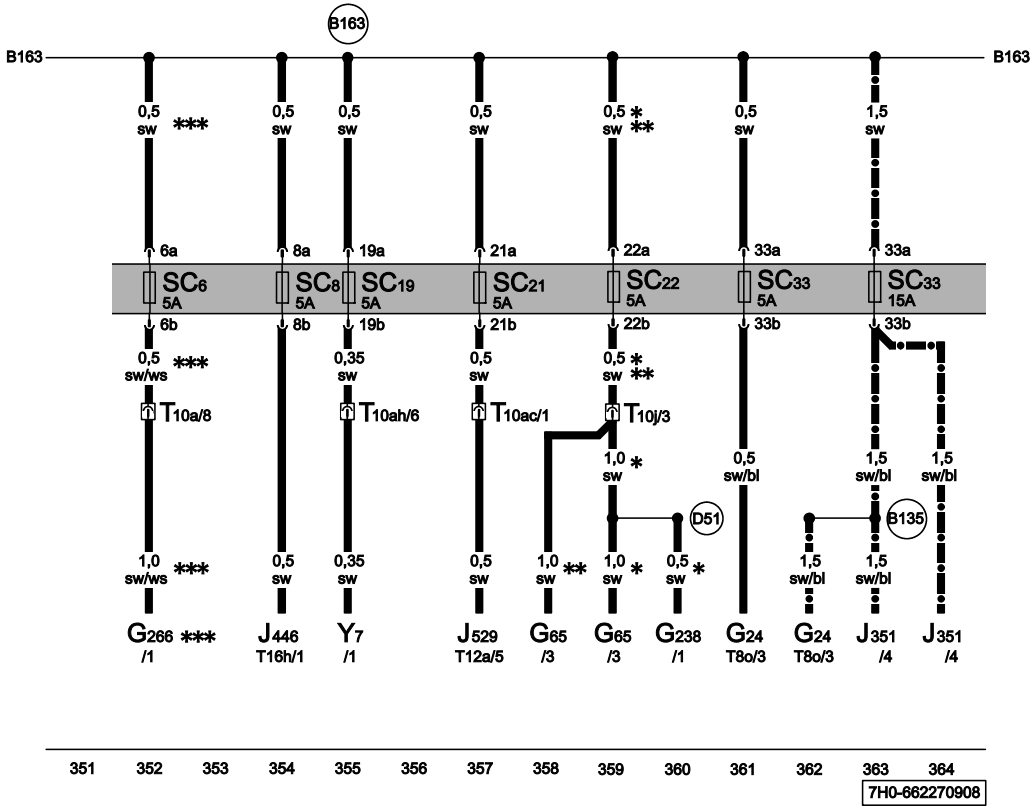


ws = white

Fuses SB13 and SB15

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J255	Climatronic control unit
N280	Air conditioning system compressor regulating valve
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T6x	6-pin connector, purple, coupling station under front passenger seat
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T12e	12-pin connector, black
T16a	16-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	models with heater, depends on equipment only
**	for models with Climatronic and engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models without air conditioning system only
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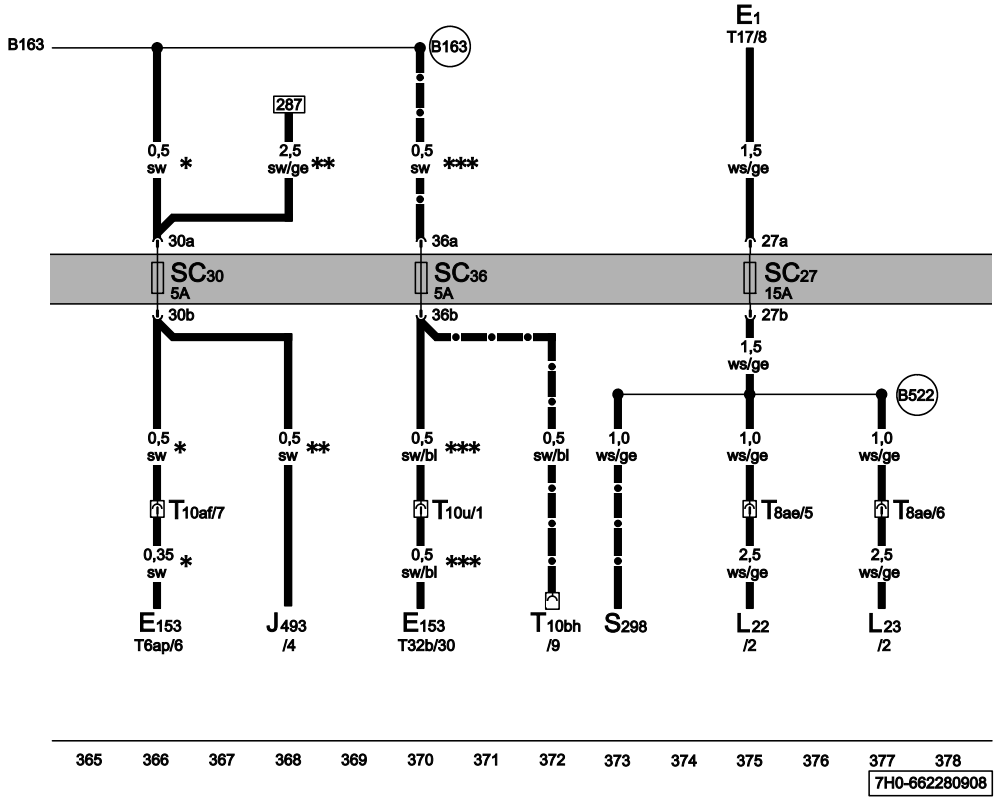


ws = white

Fuses SC6, SC8, SC19, SC21, SC22 and SC33

G24	Tachograph
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J351	Folding exterior mirror control unit
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, brown
Y7	Automatic anti-dazzle interior mirror
B135	Connection 1 (15a), in interior wiring harness
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
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***	for models with extended servicing intervals only
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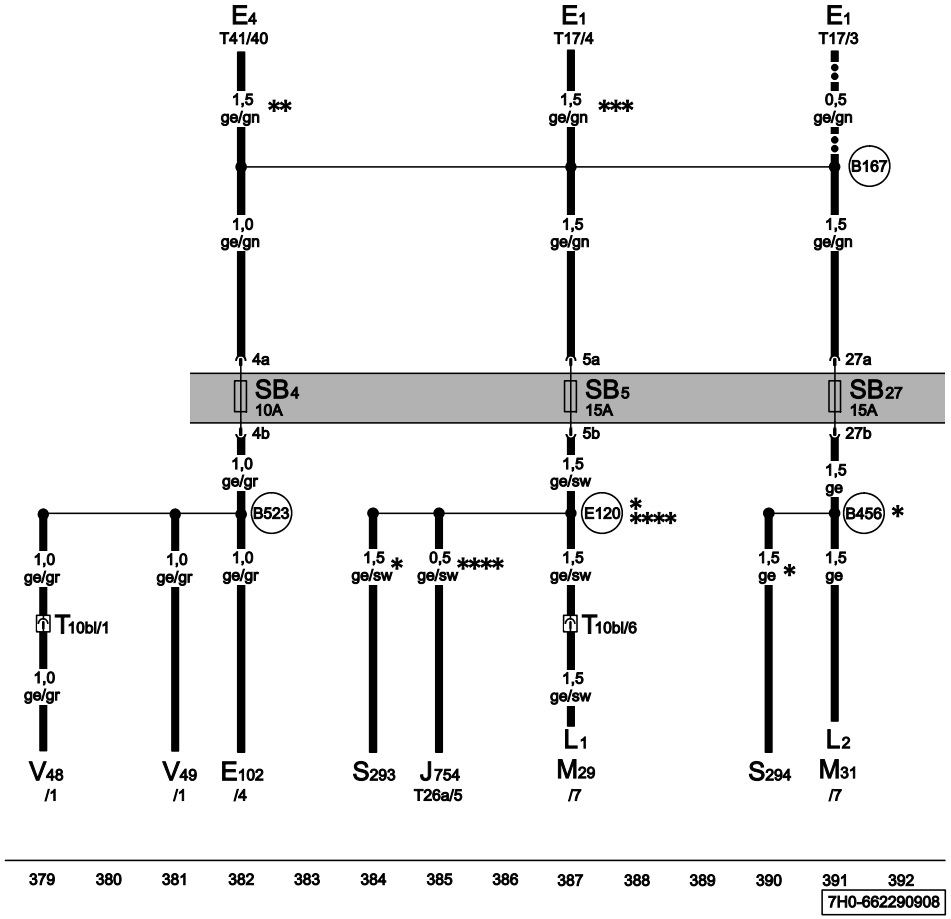


ws = white
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li = purple
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or = orange
rs = pink

Fuses S298, SC27, SC30 and SC36

E1	Light switch
E153	Operating and display unit for camping equipment
J493	Auxiliary coolant heater relay
L22	Left fog light bulb
L23	Right fog light bulb
S298	Special vehicle fuse 8
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6ap	6-pin connector
T8ae	8-pin connector, black, near headlight, front right
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T17	17-pin connector
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for Camper with auxiliary air heater only
**	for models with auxiliary coolant heater only
***	for camper only

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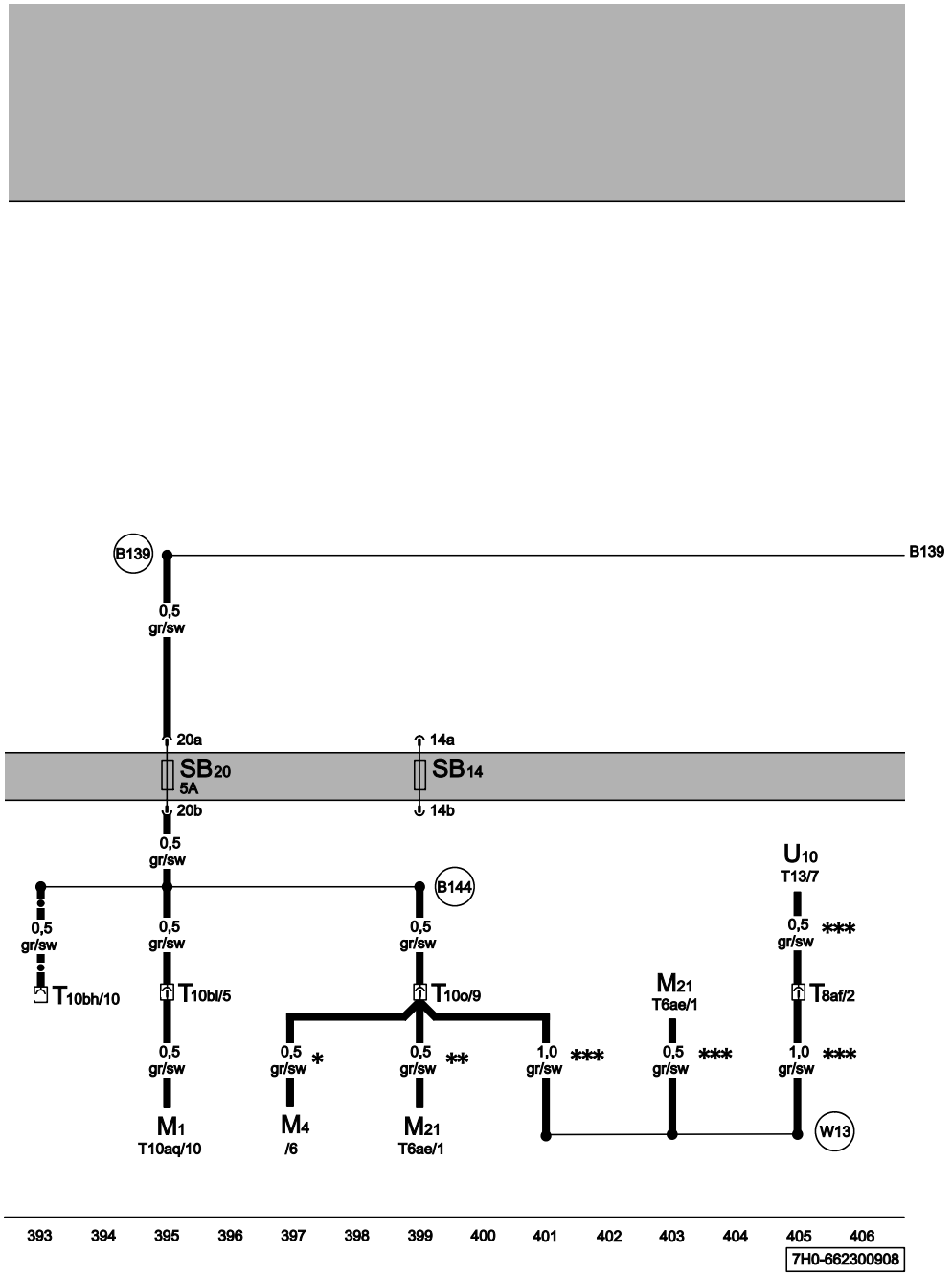


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Fuses S293, S294, SB4, SB5 and SB27

E1	Light switch
E4	Headlight dipper/flasher switch
E102	Headlight range control regulator
J754	Accident data memory
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M29	Left dipped beam bulb
M31	Right dipped beam bulb
S293	Special vehicle fuse 3
S294	Special vehicle fuse 4
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB27	Fuse 27 on fuse holder B
T10bl	10-pin connector, black, near front right headlight
T17	17-pin connector
T26a	26-pin connector, black, under front passenger seat
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B523	Connection (56, HRC), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with electric interface only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for multivan, business, caravelle and camper Comfortline only
****	for models with accident data memory only
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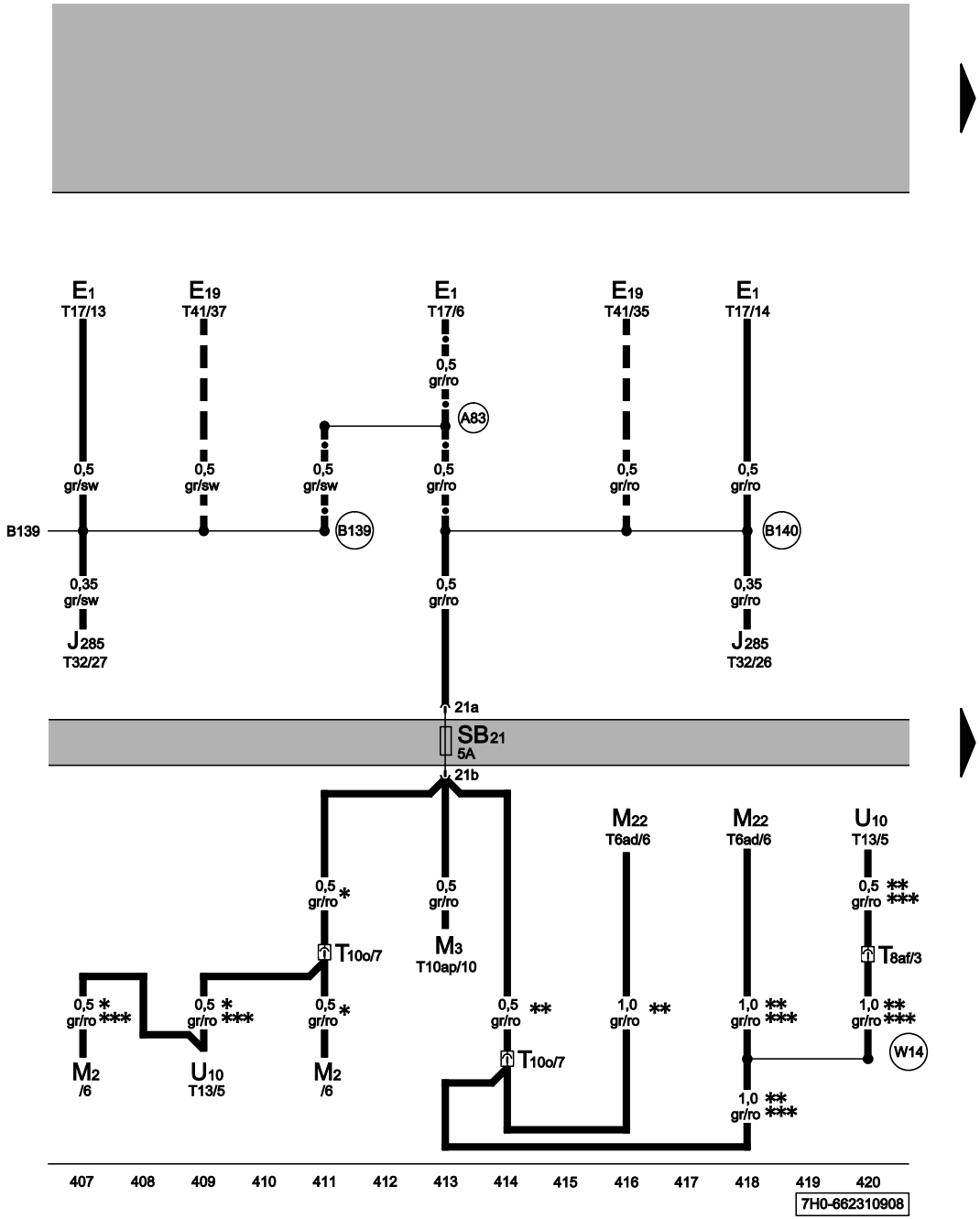


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Fuses SB14 and SB20

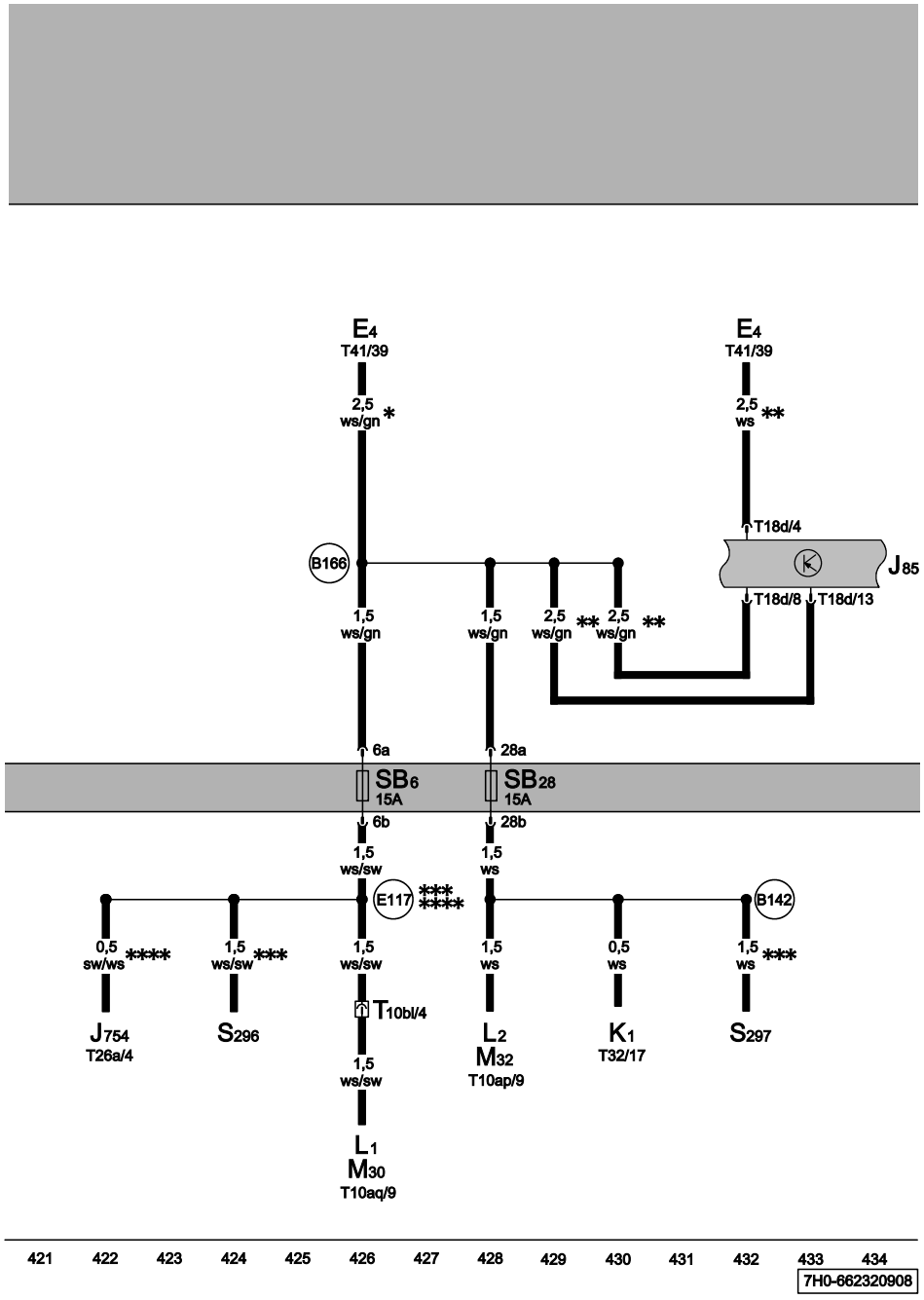
M1	Left side light bulb
M4	Left tail light bulb
M21	Left brake and tail light bulb
SB14	Fuse 14 on fuse holder B
SB20	Fuse 20 on fuse holder B
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T13	13-pin connector
U10	Trailer socket
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
W13	Connection (58L), in rear wiring harness
*	for models with double cab/ plank bed only
**	for models without trailer operation only
***	for models with trailer operation only
<fo:exter	for models with electric interface only

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Fuse SB21

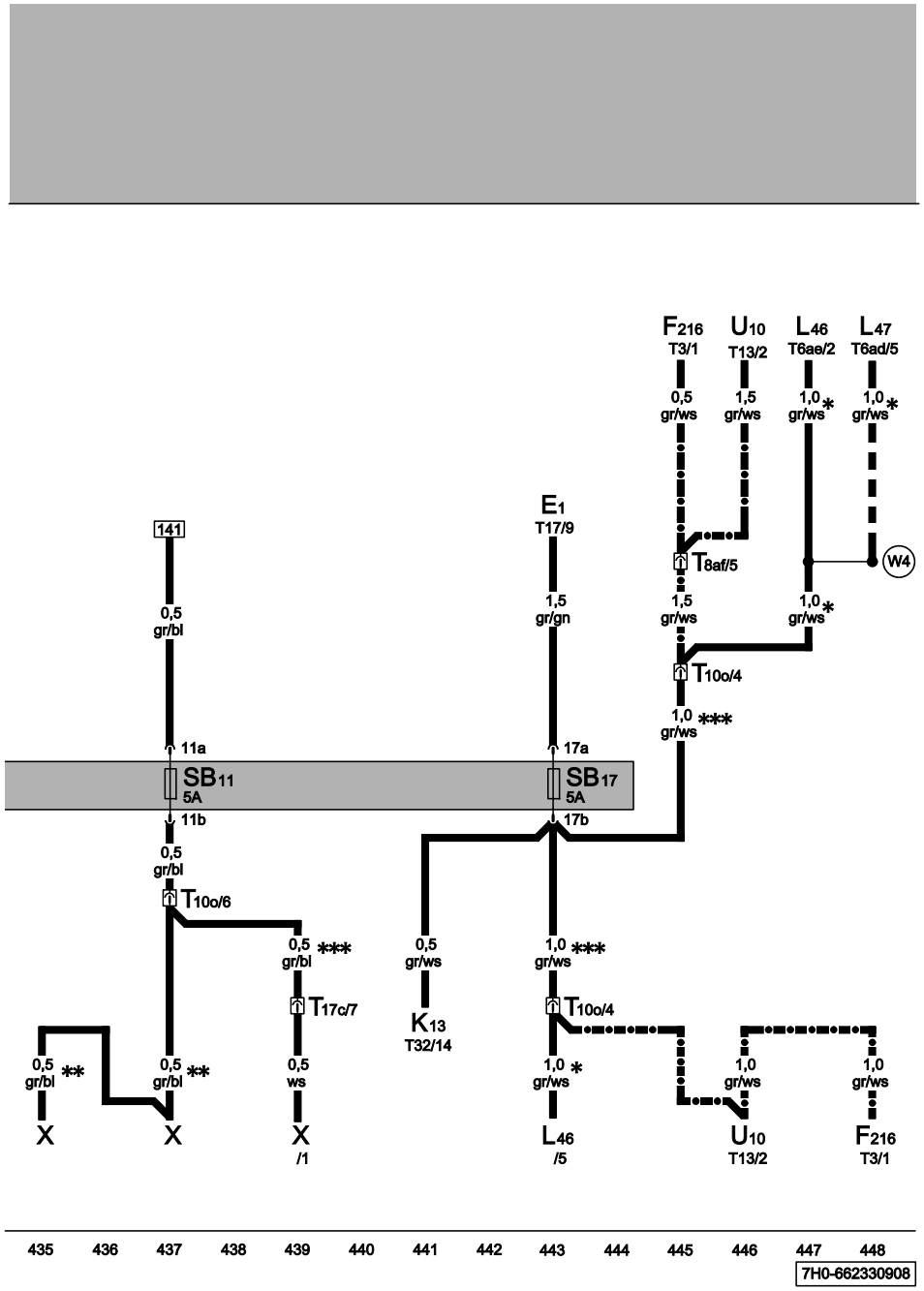
E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M2	Right tail light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
W14	Connection (58R), in rear wiring harness
*	for models with double cab/ plank bed only
**	for multivan, box-type delivery van and hybrid vehicle only
***	for models with trailer operation only
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Fuses S296, S297, SB6 and SB28

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
J754	Accident data memory
K1	Main beam warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M32	Right main beam bulb
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T18d	18-pin connector, blue
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
T41	41-pin connector
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	for models without taxi equipment only
**	for models with taxi equipment only
***	for models with electric interface only
****	for models with accident data memory only

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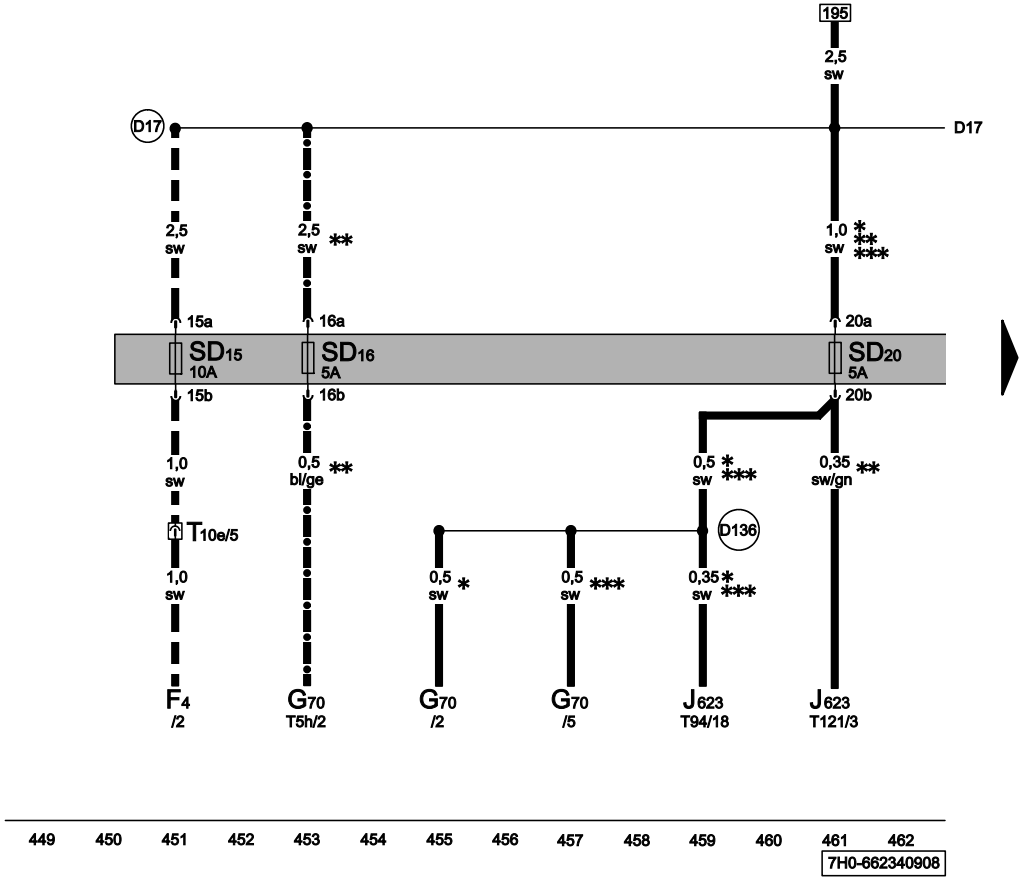
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Fuses SB11 and SB17

E1	Light switch
F216	Rear fog light cut-out contact switch
K13	Rear fog light warning lamp
L46	Rear left fog light bulb
L47	Rear right fog light bulb
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ad	6-pin connector
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T32	32-pin connector, blue
U10	Trailer socket
X	Number plate light
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models without trailer operation only
**	for double cab and plank bed vehicles only
***	not for double cab and plank bed vehicles
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or	=	orange
rs	=	pink

convert/
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ws = white

Fuses SD15, SD16 and SD20

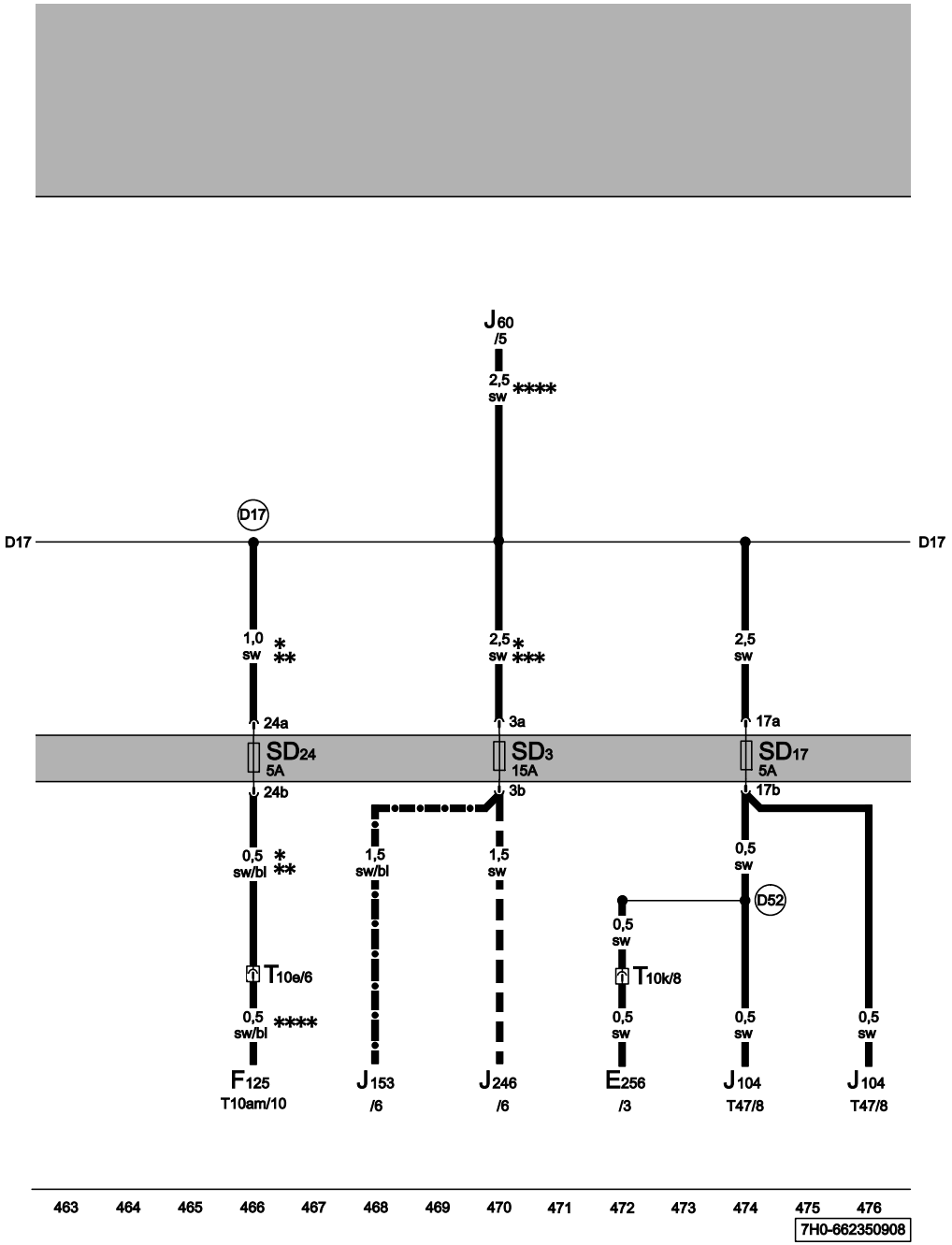
F4	Reversing light switch
G70	Air mass meter
J623	Engine control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD20	Fuse 20 on fuse holder D
T5h	5-pin connector, brown
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T94	94-pin connector
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BNZ and BPC only

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for models with manual gearbox only

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for models with engine codes BDL, BDM and BKK only

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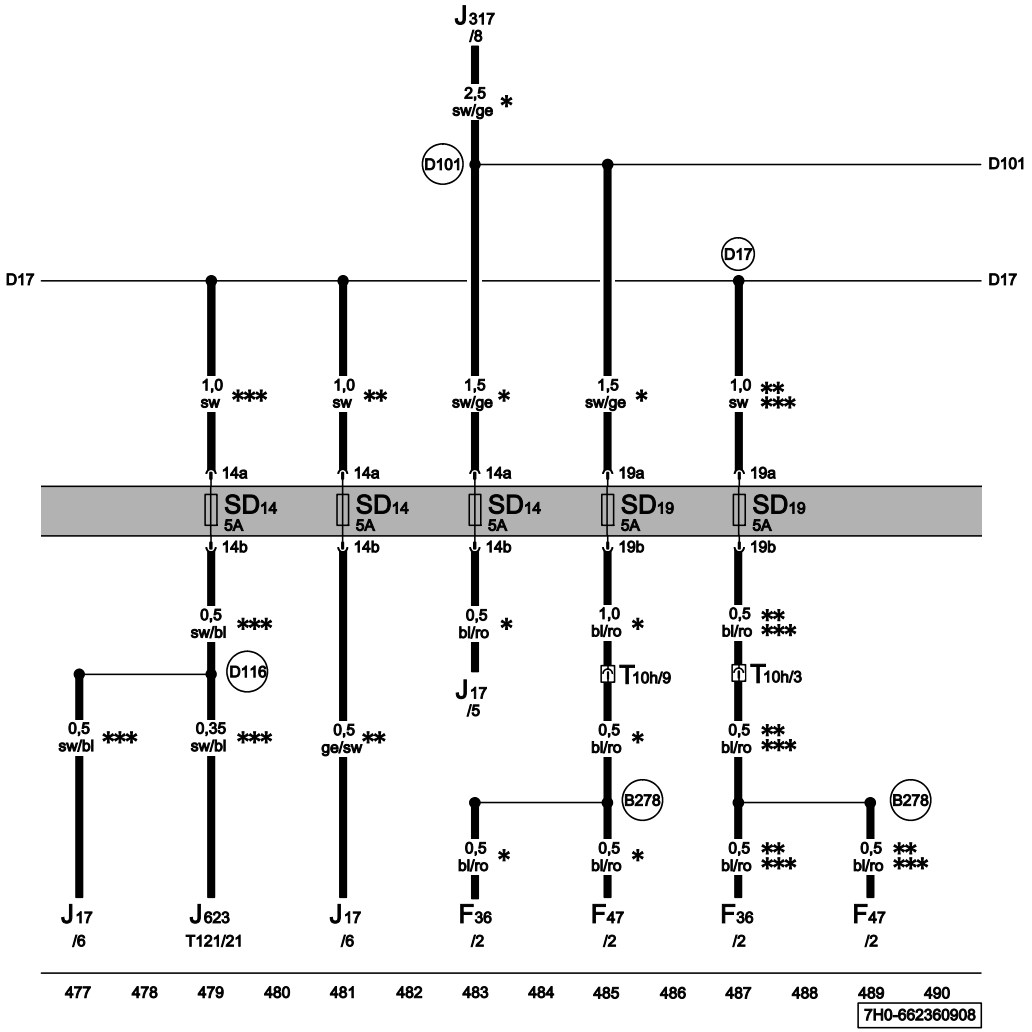
Fuses SD3, SD17 and SD24

E256	TCS and ESP button
F125	Multifunction switch
J60	Automatic gearbox relay
J104	ABS control unit
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T47	47-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with engine codes AXA, AXB, AXC, BRR and BRS only
****	for models with automatic gearbox only
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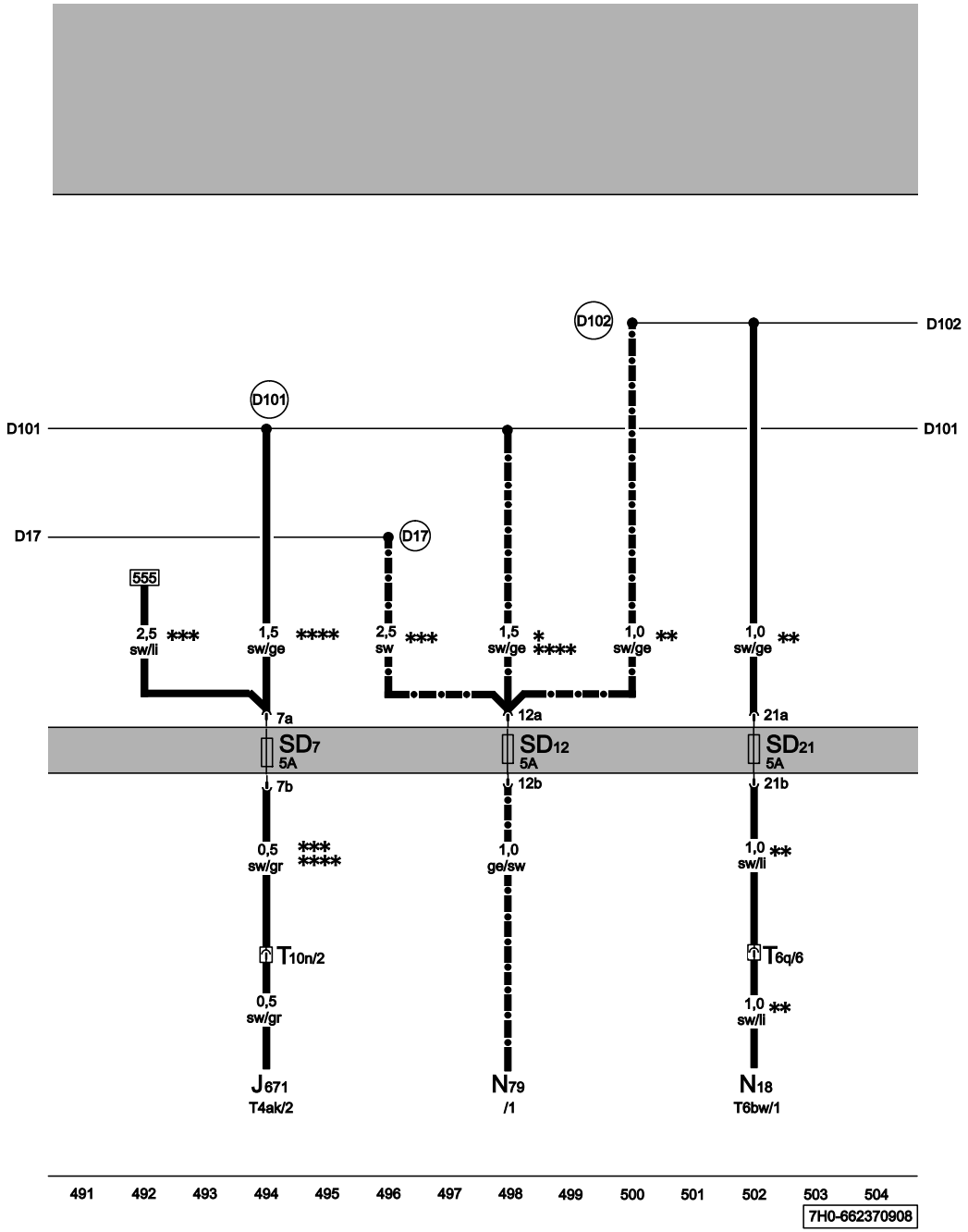
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Fuses SD14 and SD19

F36	Clutch pedal switch
F47	Brake pedal switch
J17	Fuel pump relay
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

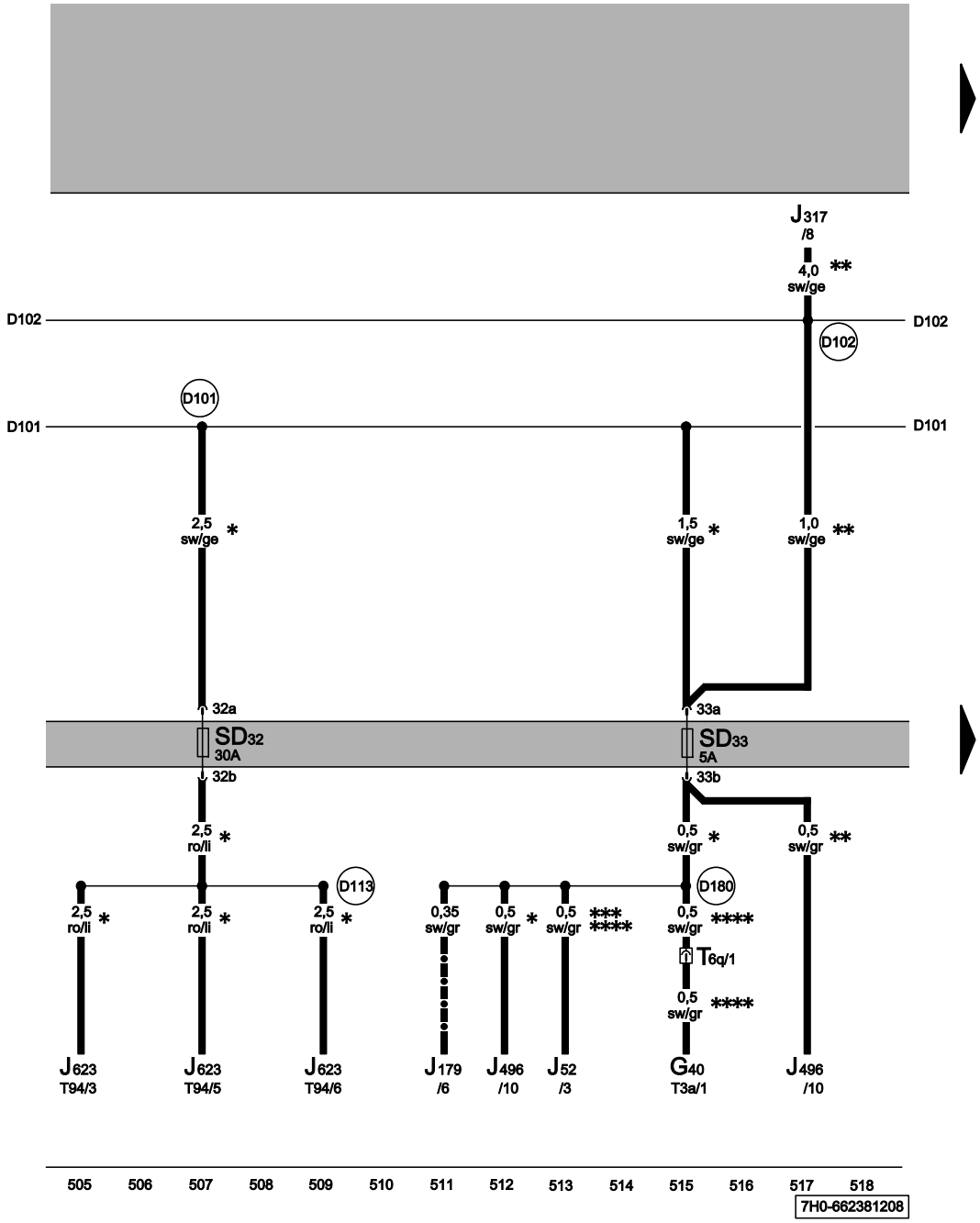
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ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD7, SD12 and SD21

J671	Radiator fan control unit 2
N18	Exhaust gas recirculation valve
N79	Heater element for crankcase breather
SD7	Fuse 7 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
T4ak	4-pin connector, black, near radiator fan
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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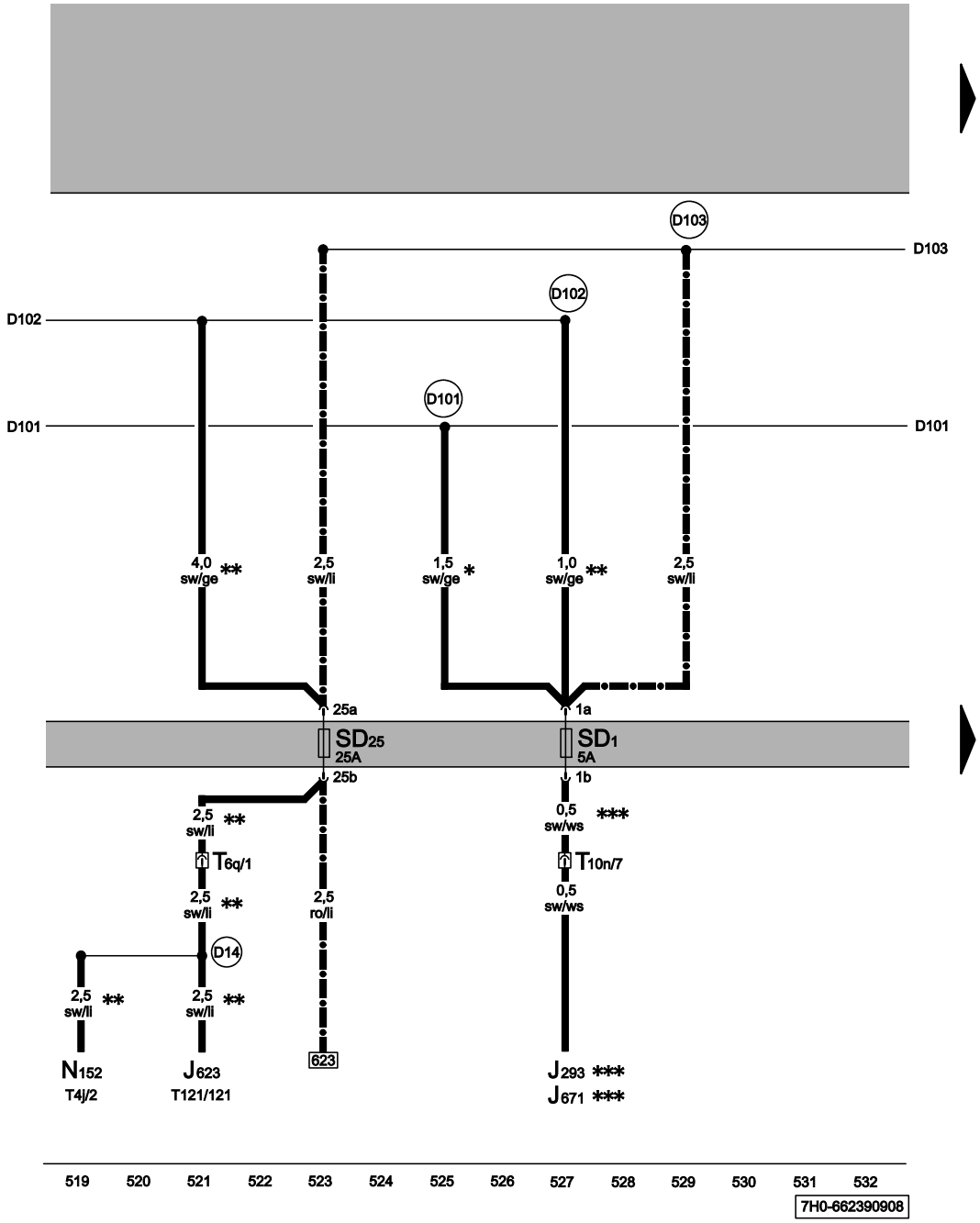


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bl = blue
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li = purple
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or = orange
rs = pink

Fuses SD32 and SD33

G40	Hall sender
J52	Glow plug relay
J179	Automatic glow period control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T94	94-pin connector
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	models with engine codes AXD, AXE and BLJ only
****	for models with engine codes AXB and AXC only

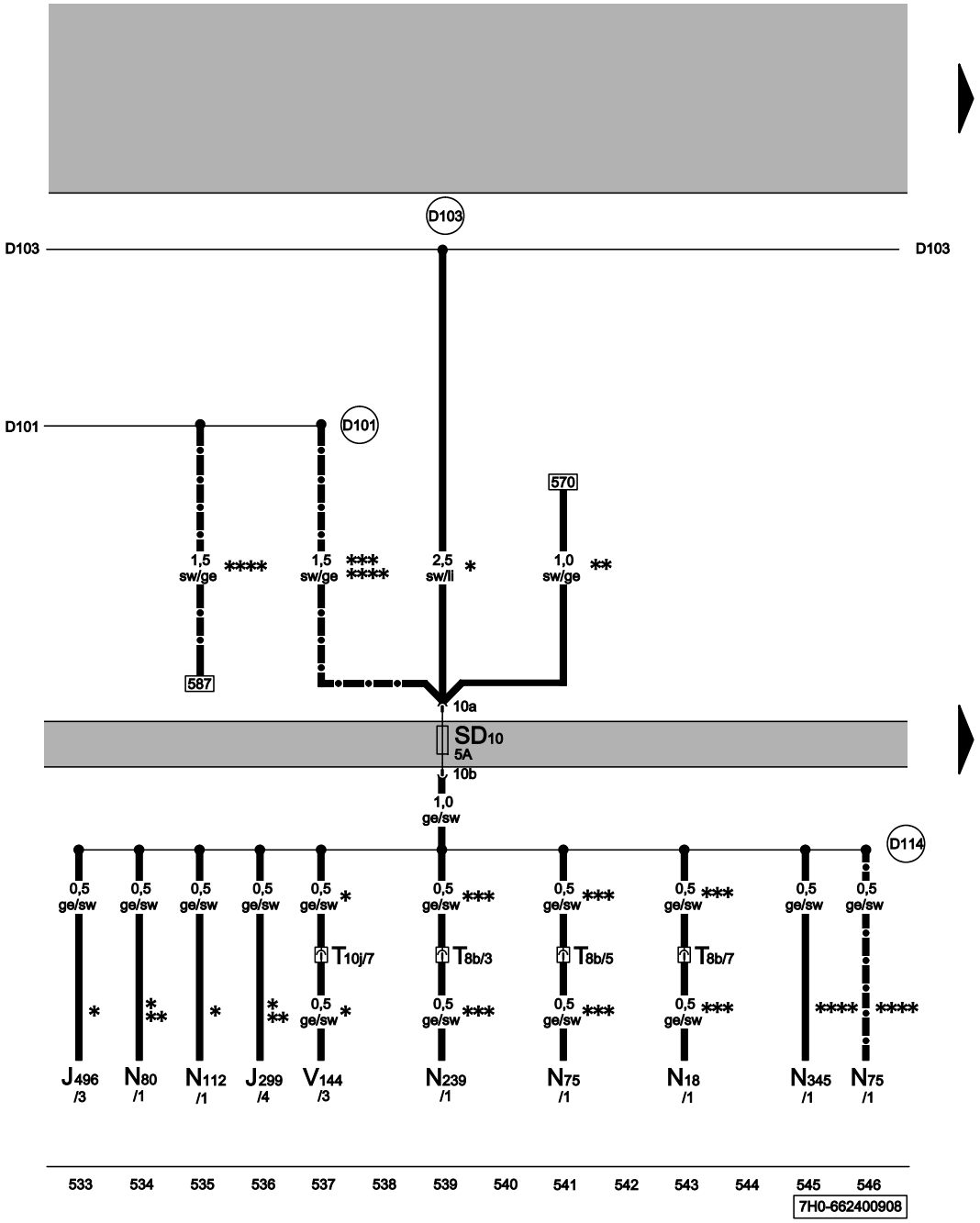
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for models with engine codes BNZ, BPC, BRR and BRS only



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or = orange
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Fuses SD1 and SD25

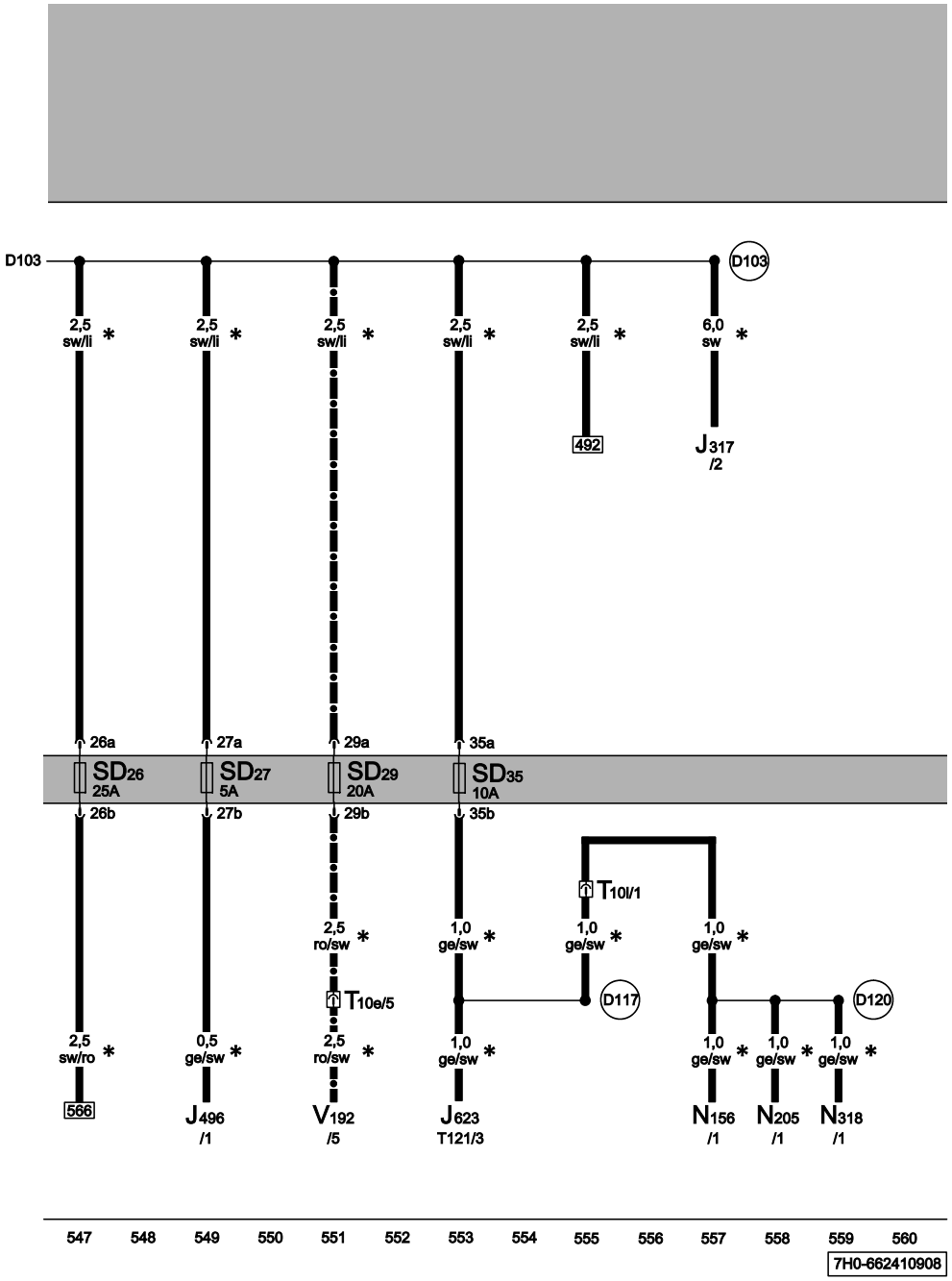
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N152	Ignition transformer
SD1	Fuse 1 on fuse holder D
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D14	Connection (ignition coil - control unit), in front right wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	⇒ radiator fan Current Flow Diagram
<fo:exter	for models with engine codes BDL, BDM and BKK only
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Fuse SD10

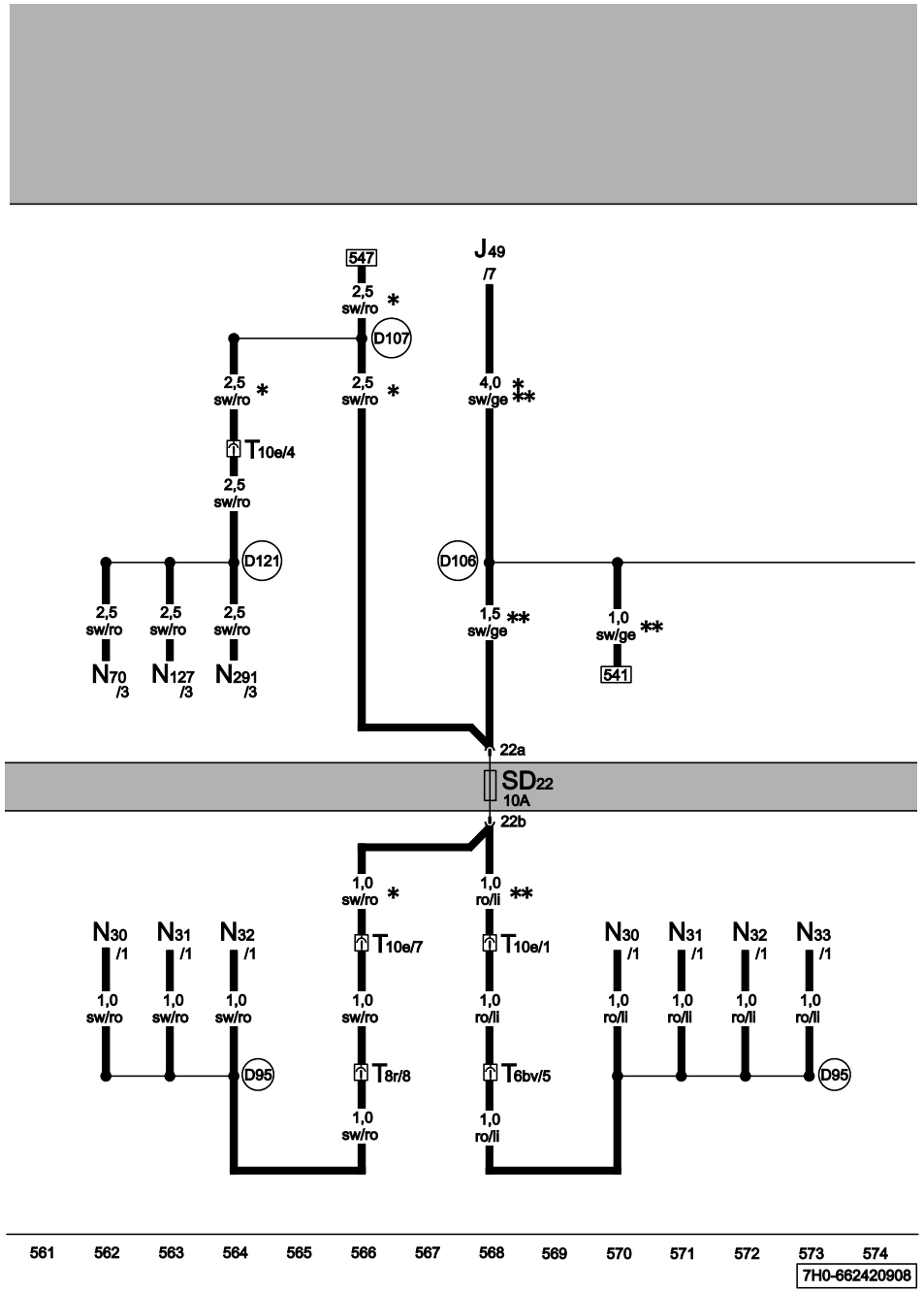
J299	Secondary air pump relay
J496	Additional coolant pump relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
V144	Fuel system diagnostic pump
D101	Connection 1, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
****	for models with engine codes BNZ and BPC only
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sw = black
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ge = yellow
or = orange
rs = pink

Fuses SD26, SD27, SD29 and SD35

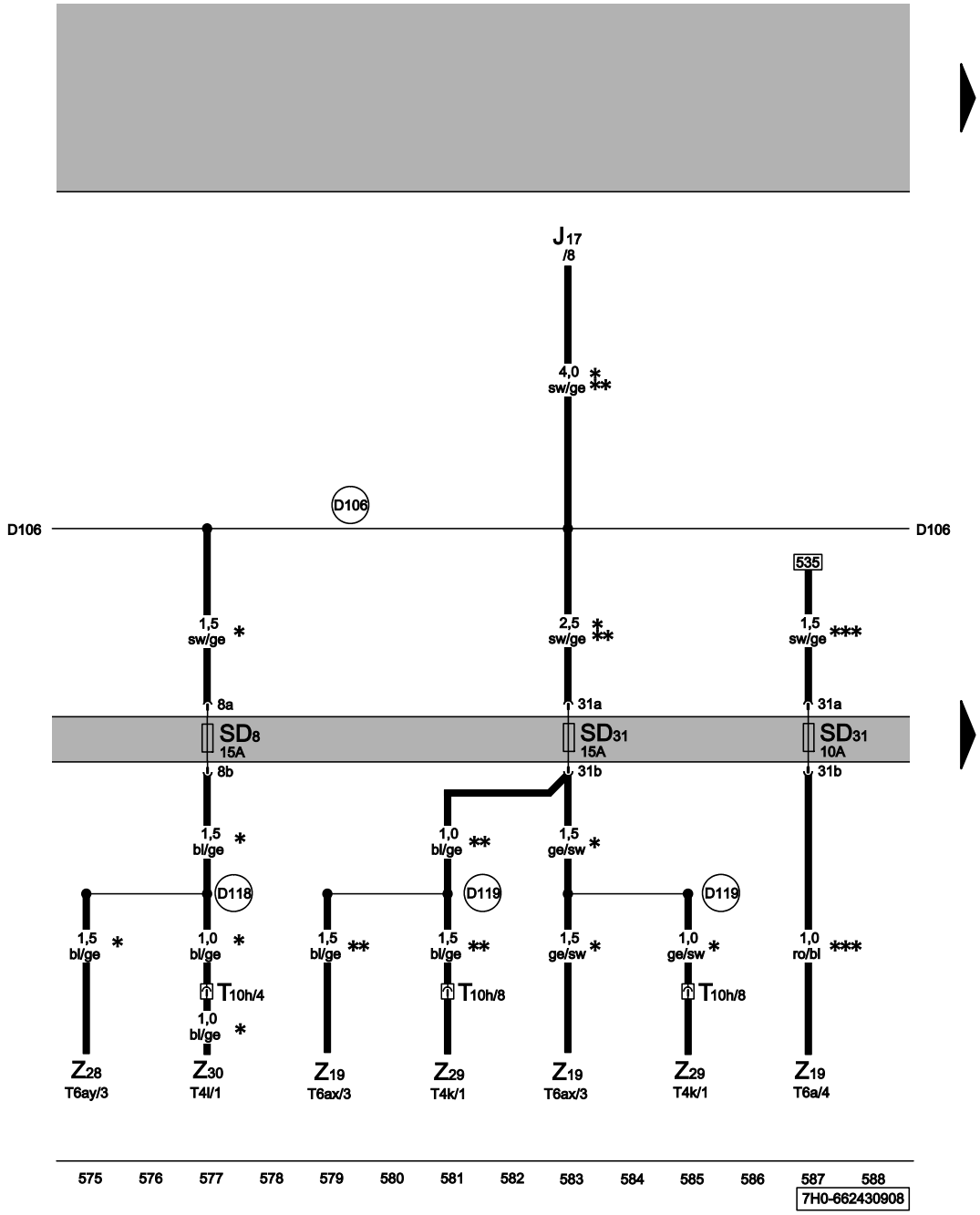
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD35	Fuse 35 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V192	Vacuum pump for brakes
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
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Fuse SD22

J49	Electric fuel pump 2 relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD22	Fuse 22 on fuse holder D
T6bv	6-pin connector, black, near cylinder head
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only

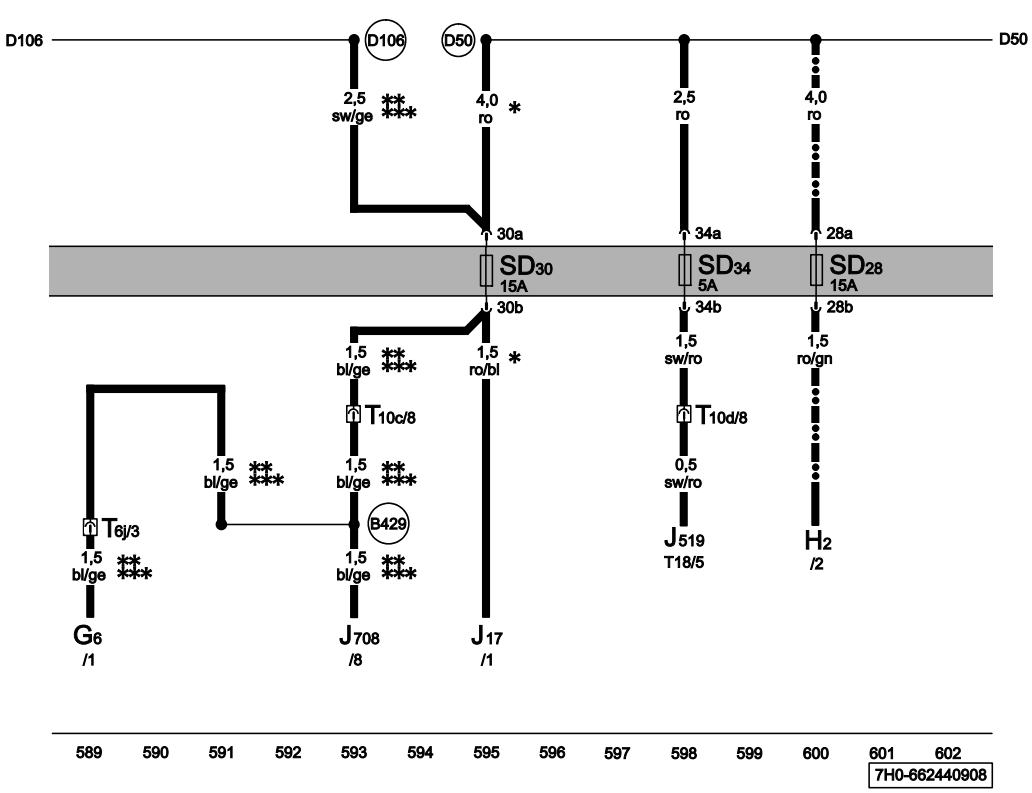
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or	=	orange
rs	=	pink



Fuses SD8 and SD31

J17	Fuel pump relay
SD8	Fuse 8 on fuse holder D
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6a	6-pin connector, black, centre in engine compartment
T6ax	6-pin connector, black, in right engine compartment
T6ay	6-pin connector, brown, on left in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes BNZ, BPC, BRR and BRS only

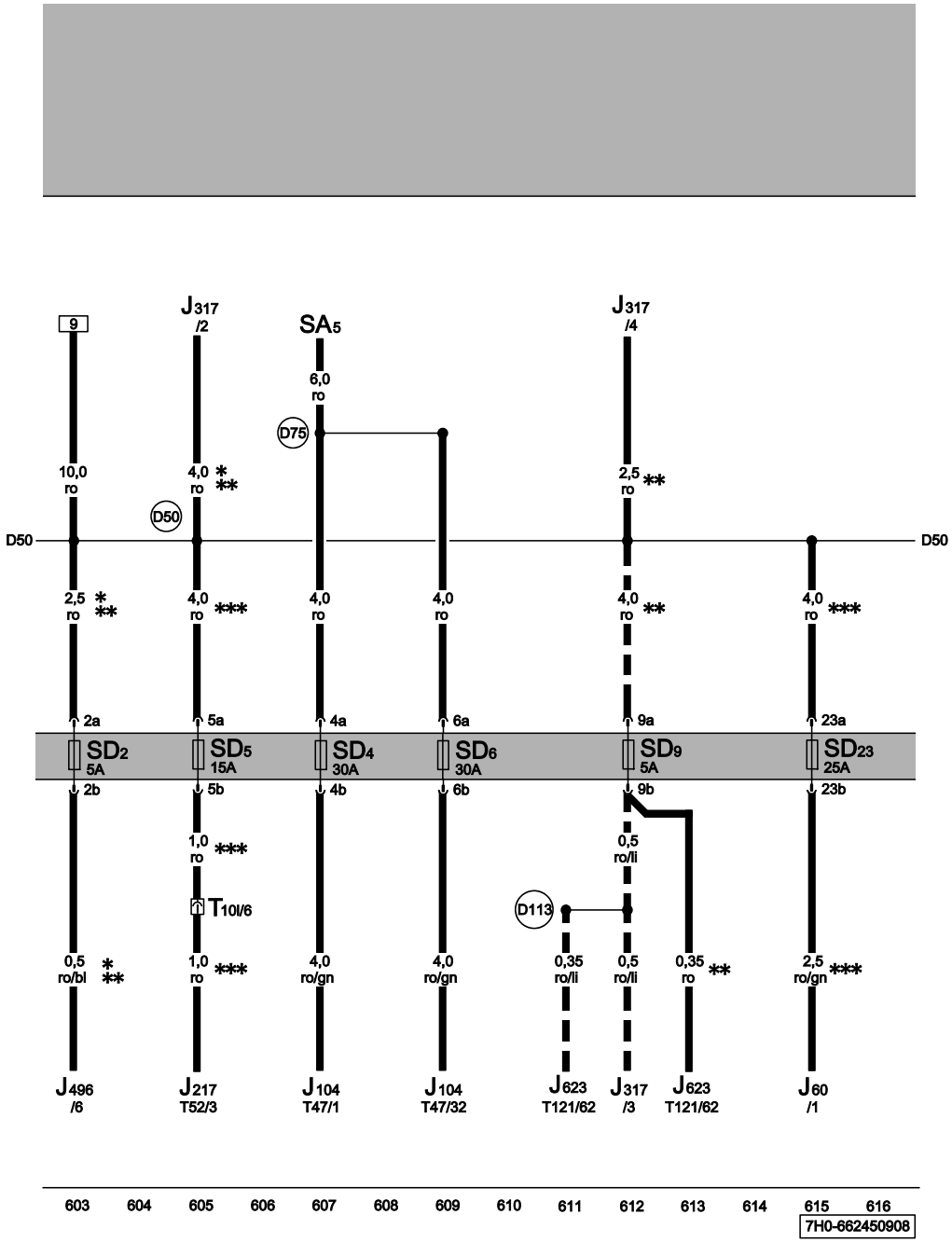
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or	=	orange
rs	=	pink



ws = white
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bl = blue
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ge = yellow
or = orange
rs = pink

Fuses SD28, SD30 and SD34

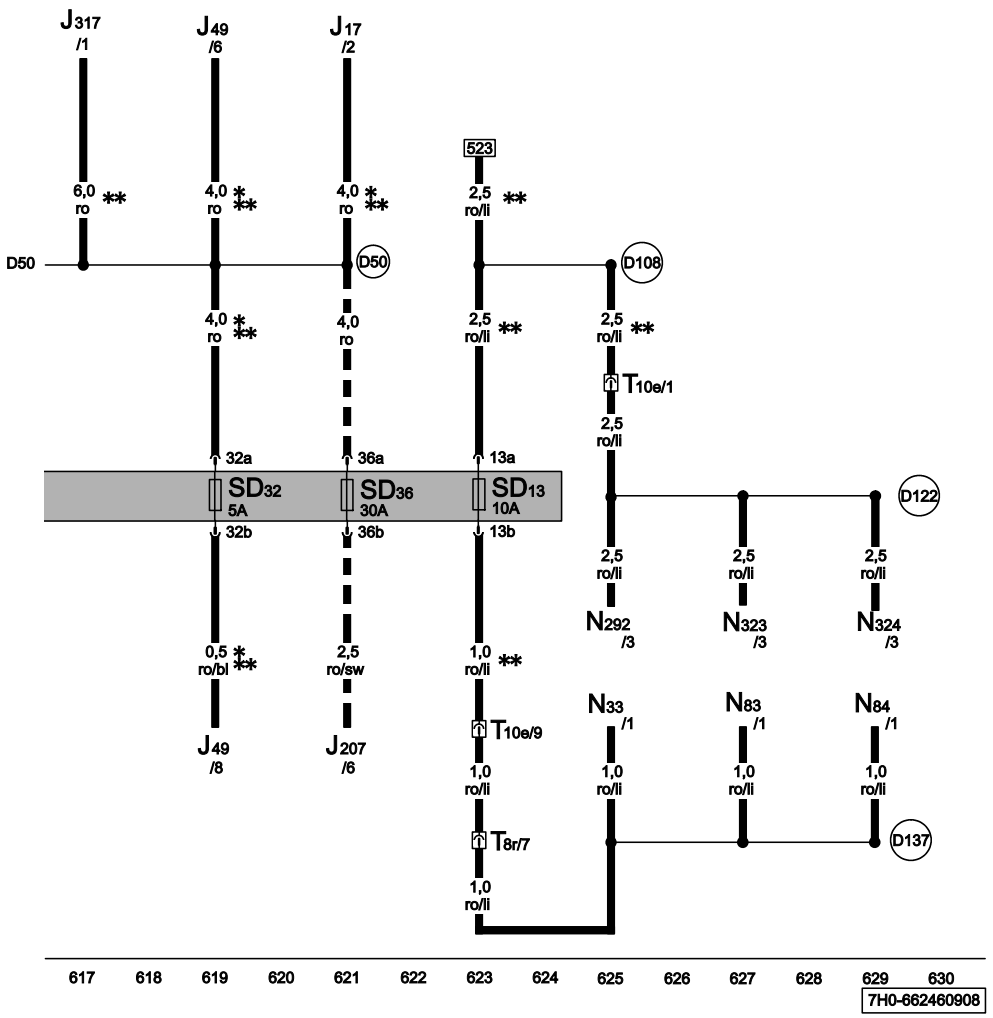
G6	Fuel system pressurisation pump
H2	Treble tone horn
J17	Fuel pump relay
J519	Onboard supply control unit
J708	Residual heat relay
SD28	Fuse 28 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD34	Fuse 34 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
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ro = red
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SA5, SD2, SD4, SD5, SD6, SD9 and SD23

J60	Automatic gearbox relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SA5	Fuse 5 on fuse holder A
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD23	Fuse 23 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D75	Positive connection 2 (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with automatic gearbox only
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD13, SD32 and SD36

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD32	Fuse 32 on fuse holder D
SD36	Fuse 36 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
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Climatronic

from June 2008

Notes:

For information concerning

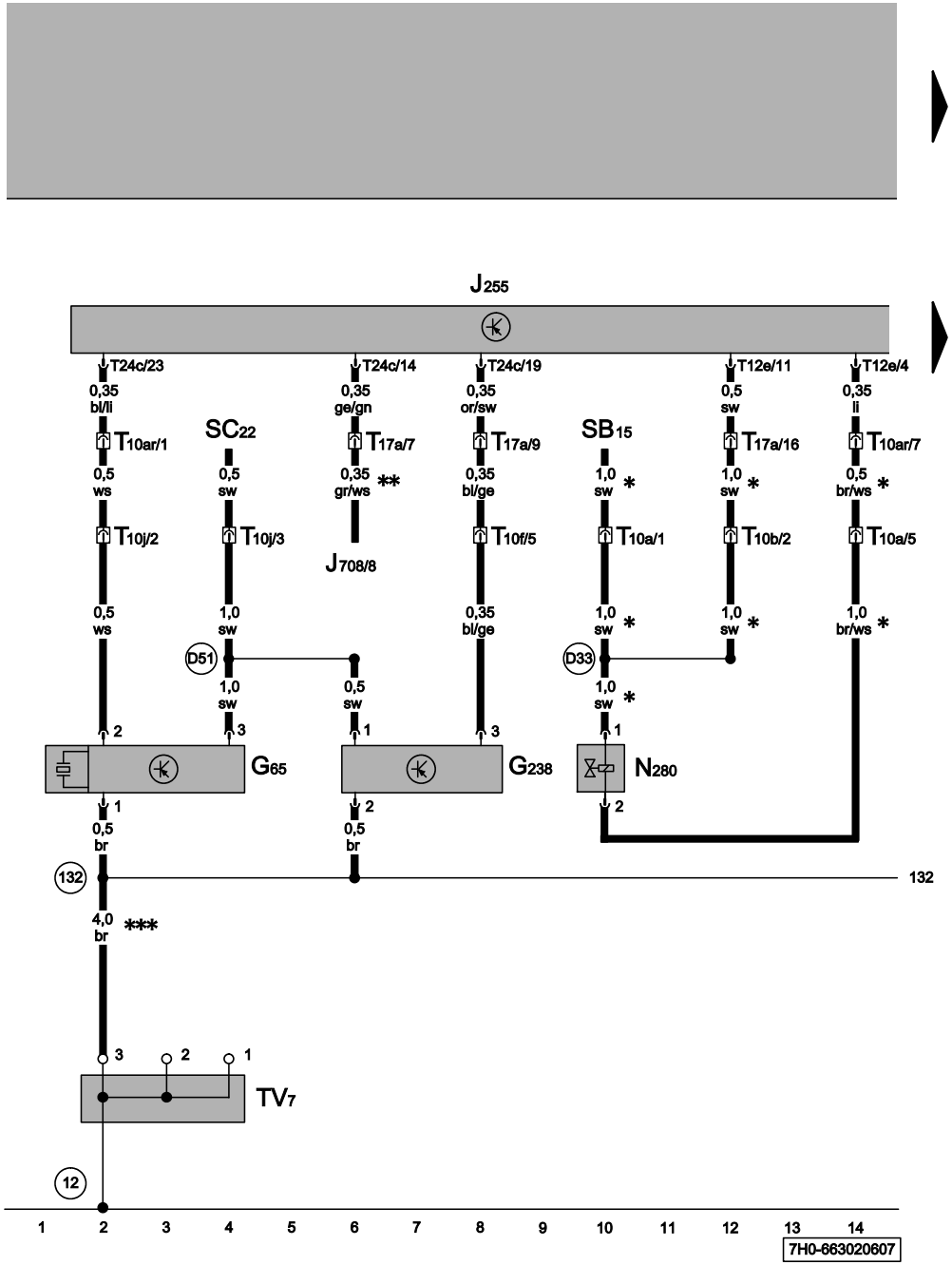
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

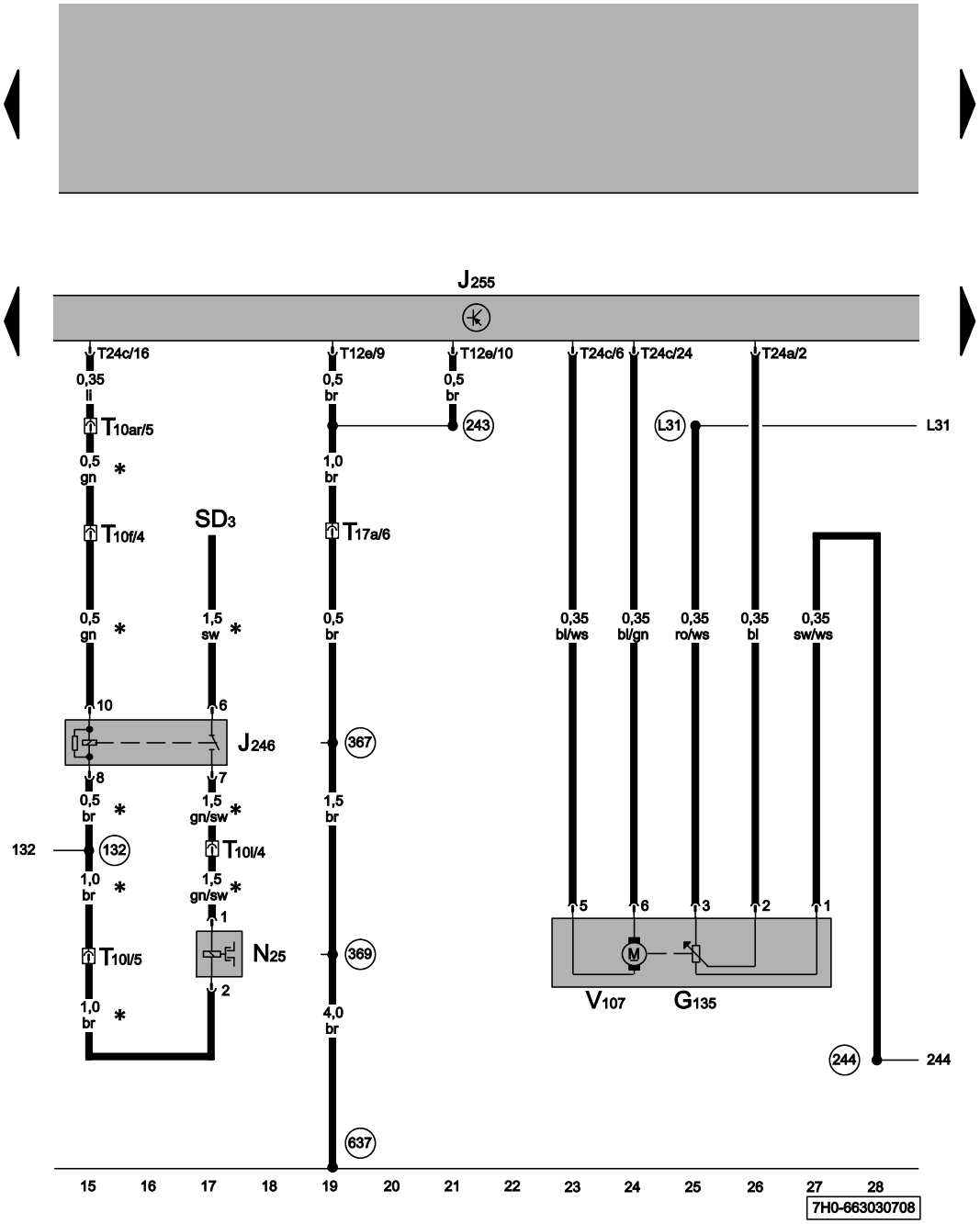
⇒ guided fault finding



Climatronic control unit, high-pressure sender, air quality sensor, compressor regulating valve, air conditioning system

G65	High pressure sender
G238	Air quality sensor
J255	Climatronic control unit
J708	Residual heat relay
N280	Air conditioning system compressor regulating valve
SB15	Fuse 15 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
D33	Positive connection 2 (15), in engine wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
**	function heater support when driving ⇒ auxiliary coolant heating Current Flow Diagram.
***	Cross-section 6.0 possible

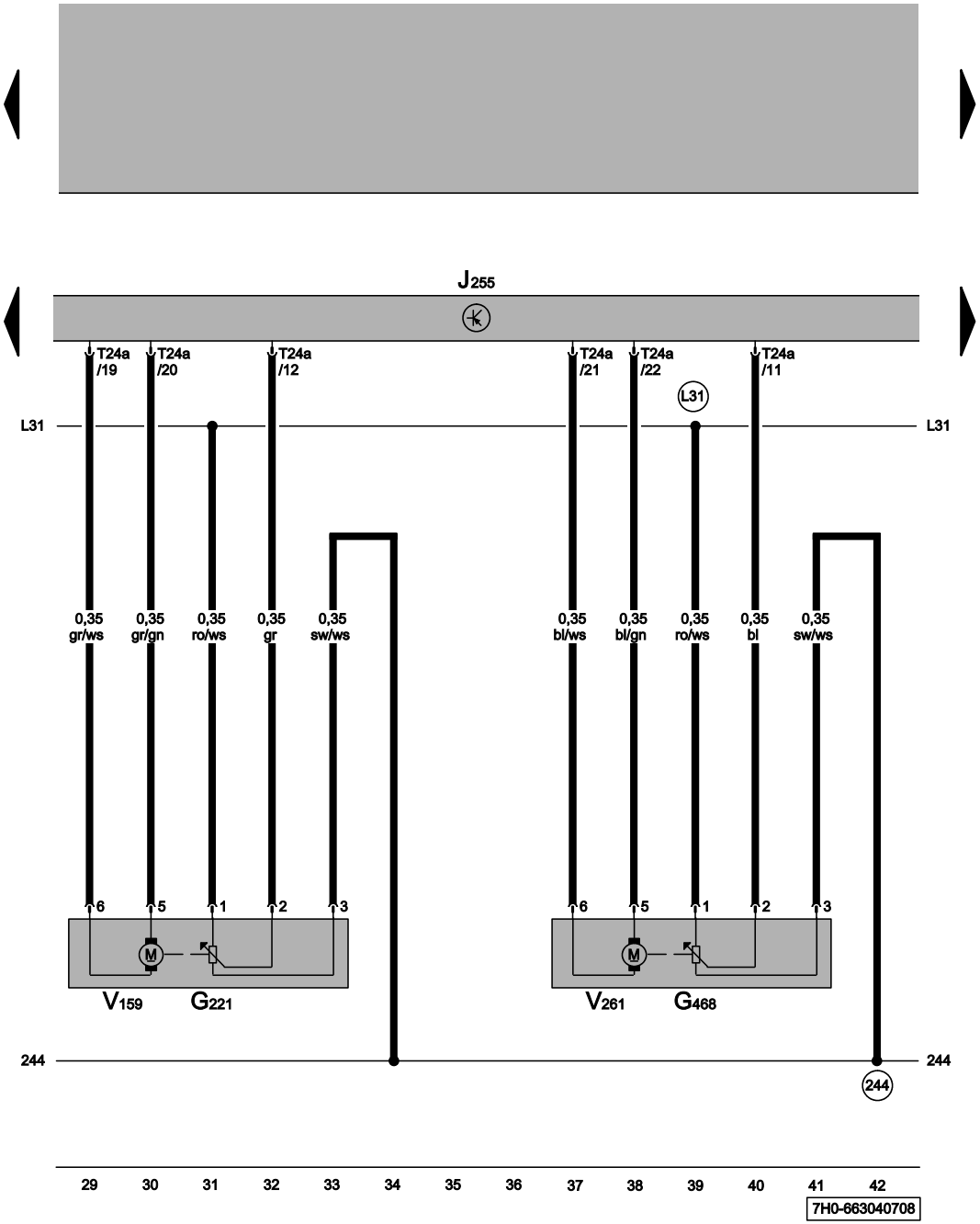
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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or = orange
rs = pink

Climatronic control unit, cut-out relay for air conditioning system magnetic coupling, air conditioning system magnetic clutch, defroster flap control motor potentiometer

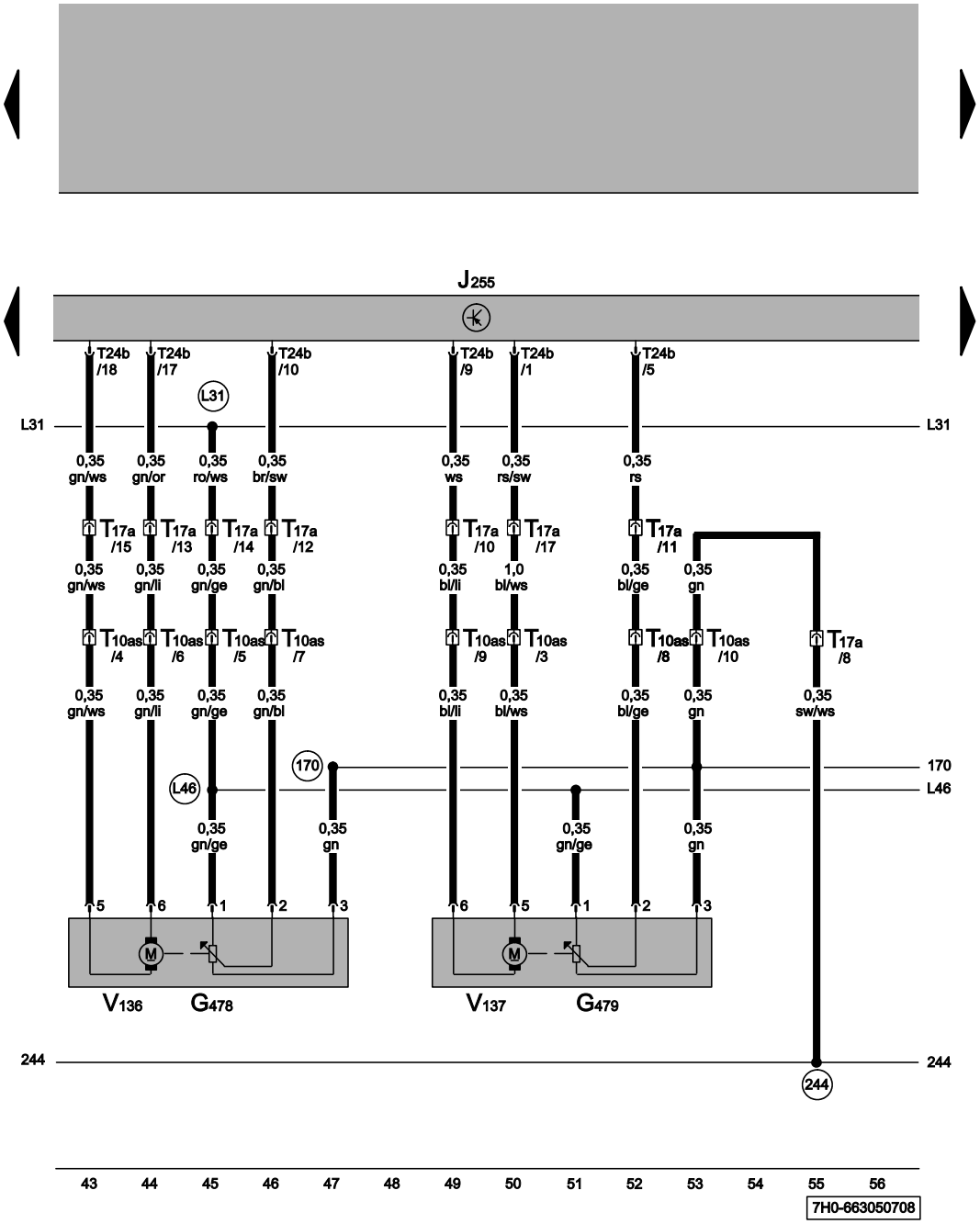
G135	Defroster flap control motor potentiometer
J246	Cut-out relay for air conditioning system magnetic coupling
J255	Climatronic control unit
N25	Air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24a	24-pin connector, black
T24c	24-pin connector, brown
V107	Defroster flap control motor
132	Earth connection 3, in engine compartment wiring harness
243	Earth connection 1, in Climatronic wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
L31	Connection (5V), in air conditioning system wiring harness
*	not for models with engine codes AXD, AXE, BLJ, BNZ and BPC only



Climatronic control unit, potentiometer for right temperature flap control motor, potentiometer for footwell vent control motor

G221	Potentiometer for right temperature flap control motor
G468	Potentiometer for footwell vent control motor
J255	Climatronic control unit
T24a	24-pin connector, black
V159	Right temperature flap control motor
V261	Footwell flap control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness

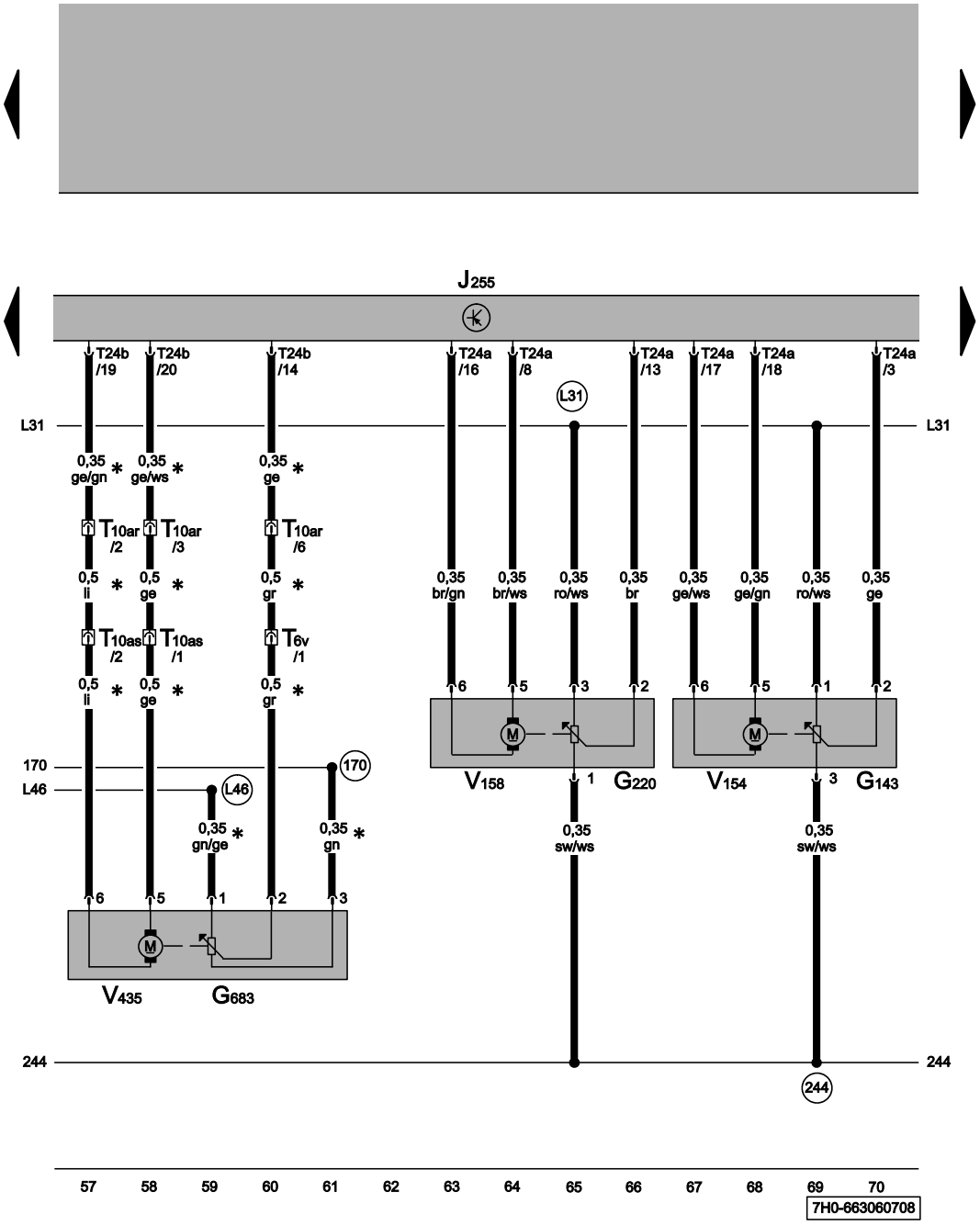
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ge	=	yellow
or	=	orange
rs	=	pink



Climatronic control unit, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap control motor

G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
J255	Climatronic control unit
T10as	10-pin connector, yellow, coupling station under front passenger seat
T17a	17-pin connector, black, behind the glove compartment
T24b	24-pin connector, red
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

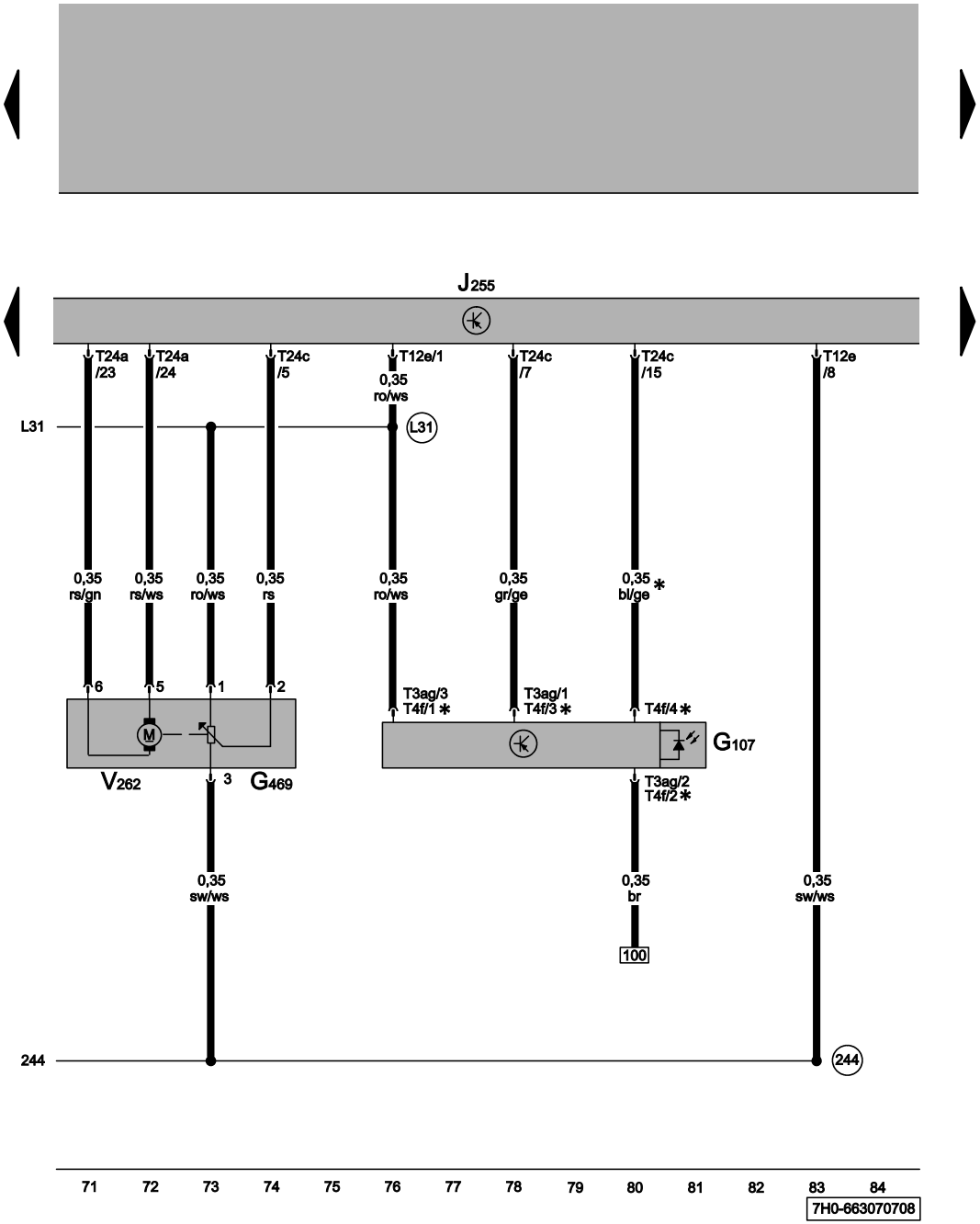
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
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rs = pink

Climatronic control unit, air recirculation flap potentiometer and control motor, left temperature flap potentiometer and control motor, potentiometer for rear air distribution control motor 2

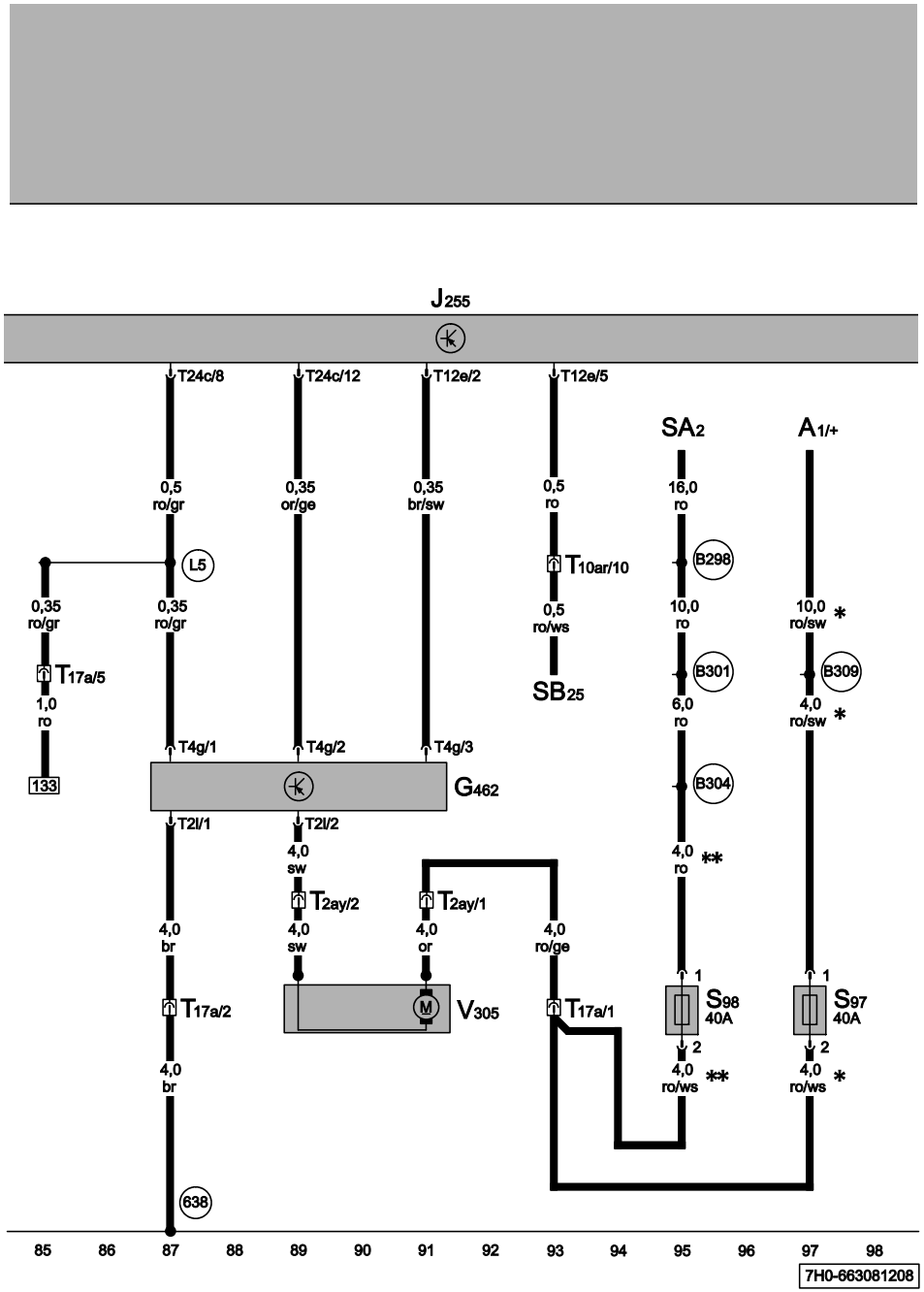
G143	Air recirculation flap control motor potentiometer
G220	Potentiometer for left temperature flap control motor
G683	Potentiometer for rear air distribution control motor 2
J255	Climatronic control unit
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove compartment
T10as	10-pin connector, yellow, coupling station under front passenger seat
T24a	24-pin connector, black
T24b	24-pin connector, red
V154	Fresh air/recirculated air flap control motor
V158	Left temperature flap control motor
V435	Rear air distribution control motor 2
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
*	for models with side window vent only (6CE)



Climatronic control unit, sunlight penetration photosensor, potentiometer for side vent control motor

G107	Sunlight penetration photosensor
G469	Potentiometer for side vent control motor
J255	Climatronic control unit
T3ag	3-pin connector, black
T4f	4-pin connector, black
T12e	12-pin connector, black
T24a	24-pin connector, black
T24c	24-pin connector, brown
V262	Side vent control motor
244	Earth connection (sender earth), in Climatronic wiring harness
L31	Connection (5V), in air conditioning system wiring harness
*	For Multivan only

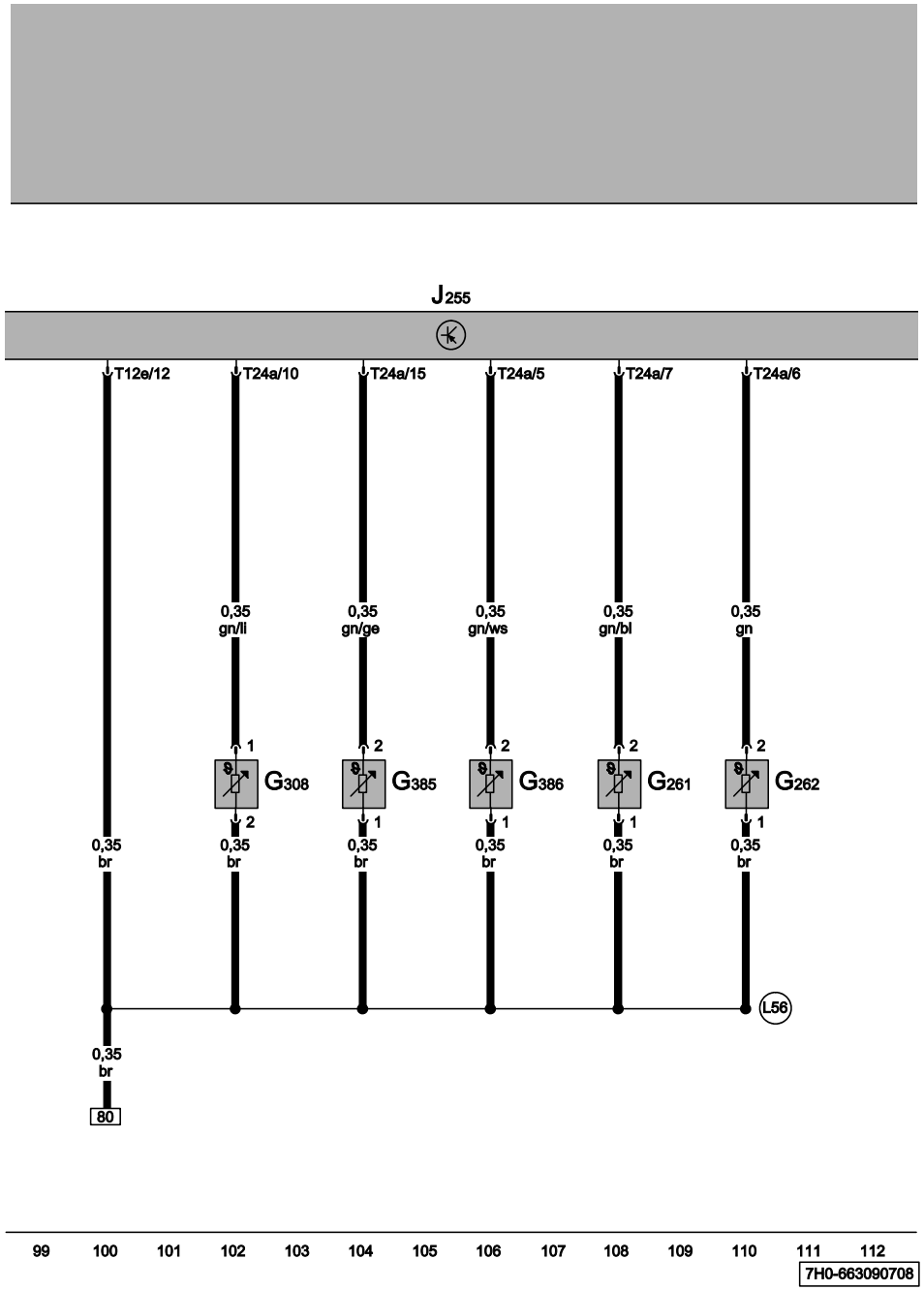
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Climatronic control unit, sender for front Bitron blower regulation, fresh air blower fuse, blower regulation motor

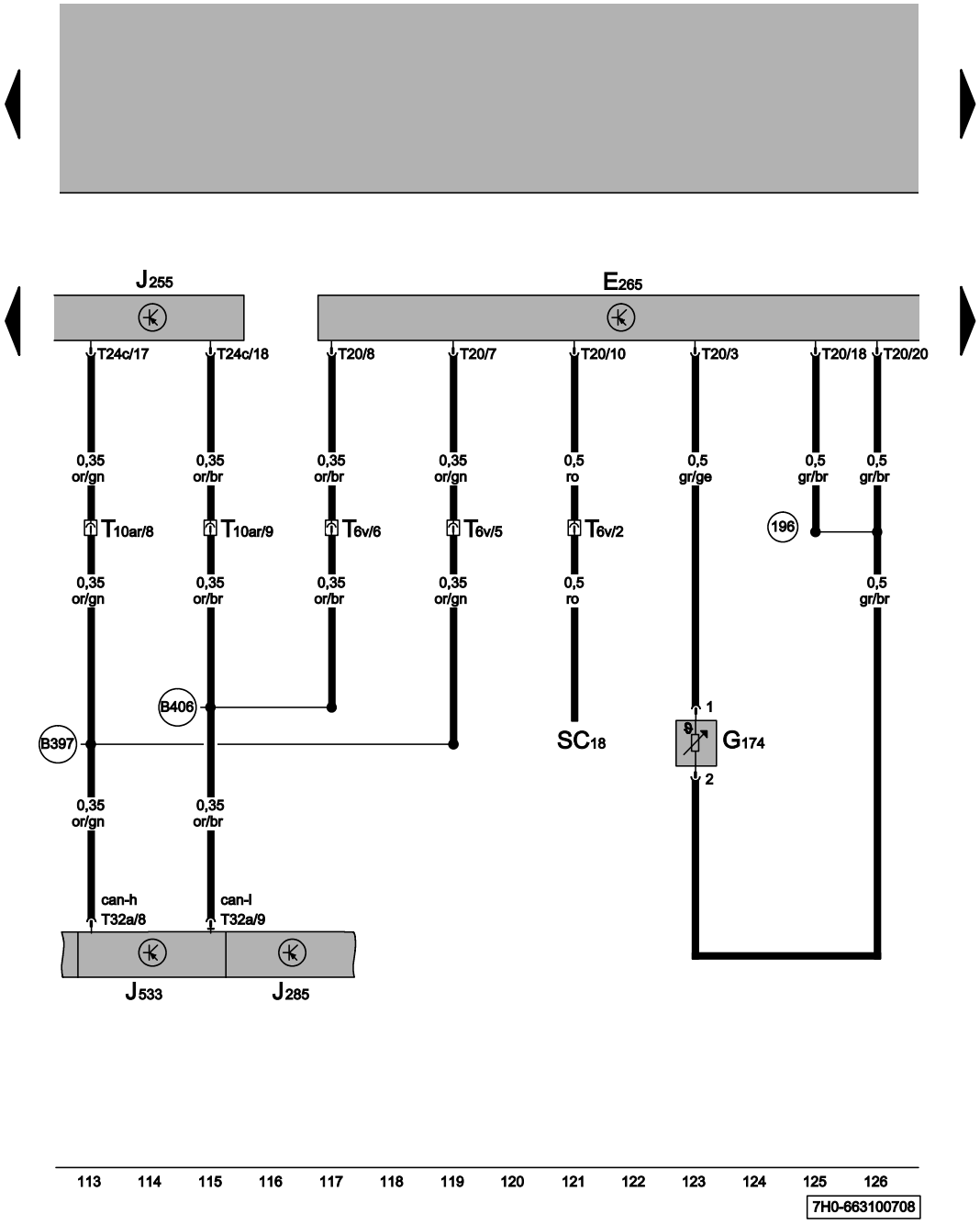
A1	Second battery
G462	Front blower Bitron regulation sender
J255	Climatronic control unit
S97	Fresh air blower fuse 1
S98	Fresh air blower fuse 2
SA2	Fuse 2 on fuse holder A
SB25	Fuse 25 on fuse holder B
T2l	2-pin connector, black
T2ay	2-pin connector, black
T4g	4-pin connector, black
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T24c	24-pin connector, brown
V305	Front blower Bitron regulation motor
638	Earth point, right A-pillar
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B309	Positive connection 13 (30), in main wiring harness
L5	Connection 1, in evaporator housing unit wiring harness
*	for models with auxiliary coolant heater only
**	for models without auxiliary coolant heater only



Climatronic control unit, footwell vent temperature sender, evaporator temperature sensor, chest vent temperature sensor

G261	Left footwell vent temperature sender
G262	Right footwell vent temperature sender
G308	Evaporator temperature sensor
G385	Front left chest vent temperature sensor
G386	Front right chest vent temperature sensor
J255	Climatronic control unit
T12e	12-pin connector, black
T24a	24-pin connector, black
L56	Connection (sender), in Climatronic wiring harness

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ro	=	red
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



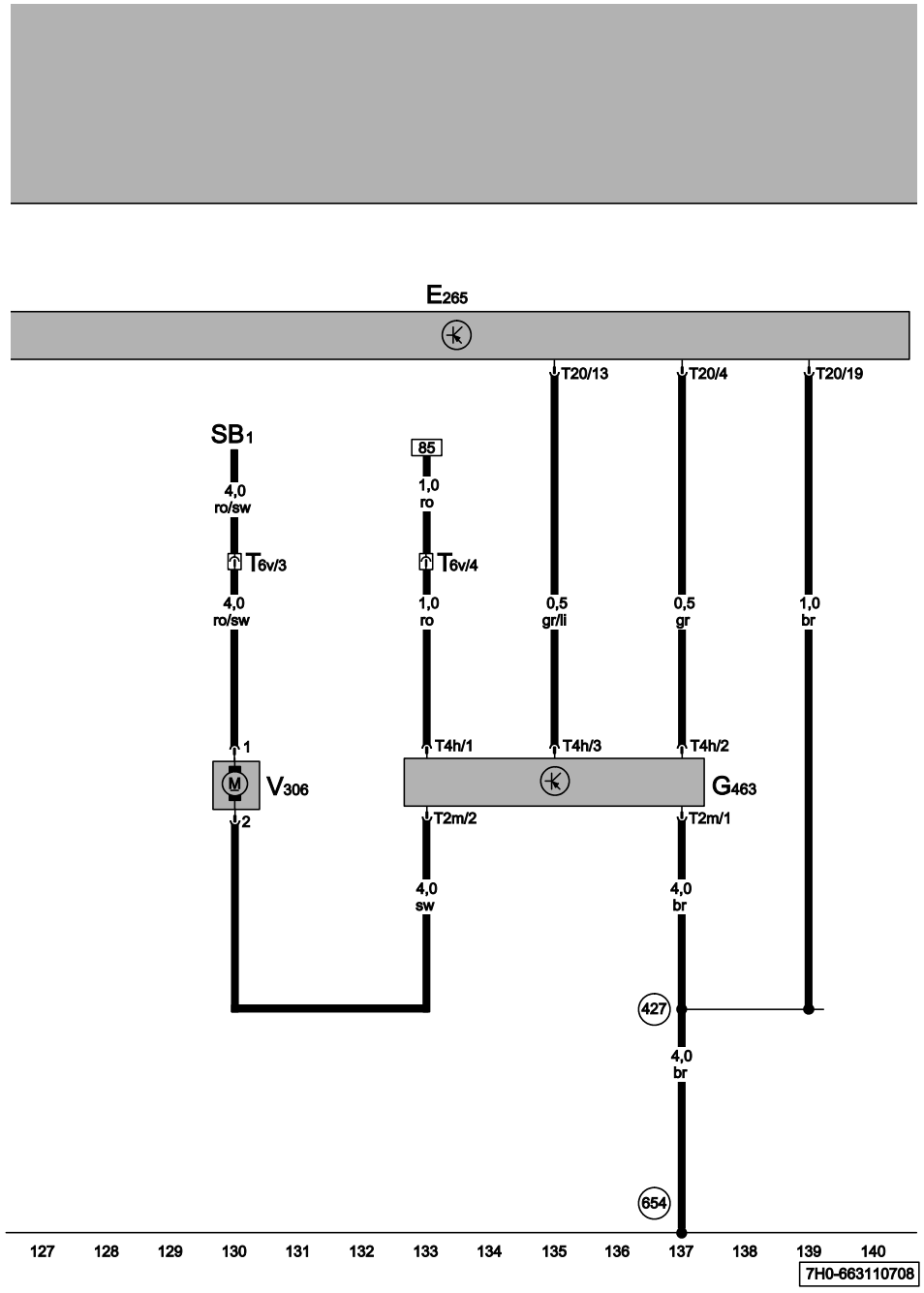
Climatronic control unit, rear Climatronic operating and display unit, rear vent temperature sender

E265	Operating and display unit for rear Climatronic
G174	Rear vent temperature sender
J255	Climatronic control unit
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove compartment
T20	20-pin connector
T24c	24-pin connector, brown
T32a	32-pin connector, green
196	Earth connection 3, in rear wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Rear Climatronic operating and display unit, rear blower Bitron regulation motor, rear blower regulation sender

E265	Operating and display unit for rear Climatronic
G463	Rear blower regulation sender
SB1	Fuse 1 on fuse holder B
T2m	2-pin connector
T4h	4-pin connector
T6v	6-pin connector, red, coupling station under front passenger seat
T20	20-pin connector
V306	Rear blower Bitron regulation motor
427	Earth connection 3, in right rear end wiring harness
654	Earth point, right D-pillar



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radiator fan (450W + 220/300W), for air conditioning system/Climatronic

⇒ **1 Radiator fan control unit**

⇒ **Engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS**

from June 2008

Notes:

For information concerning

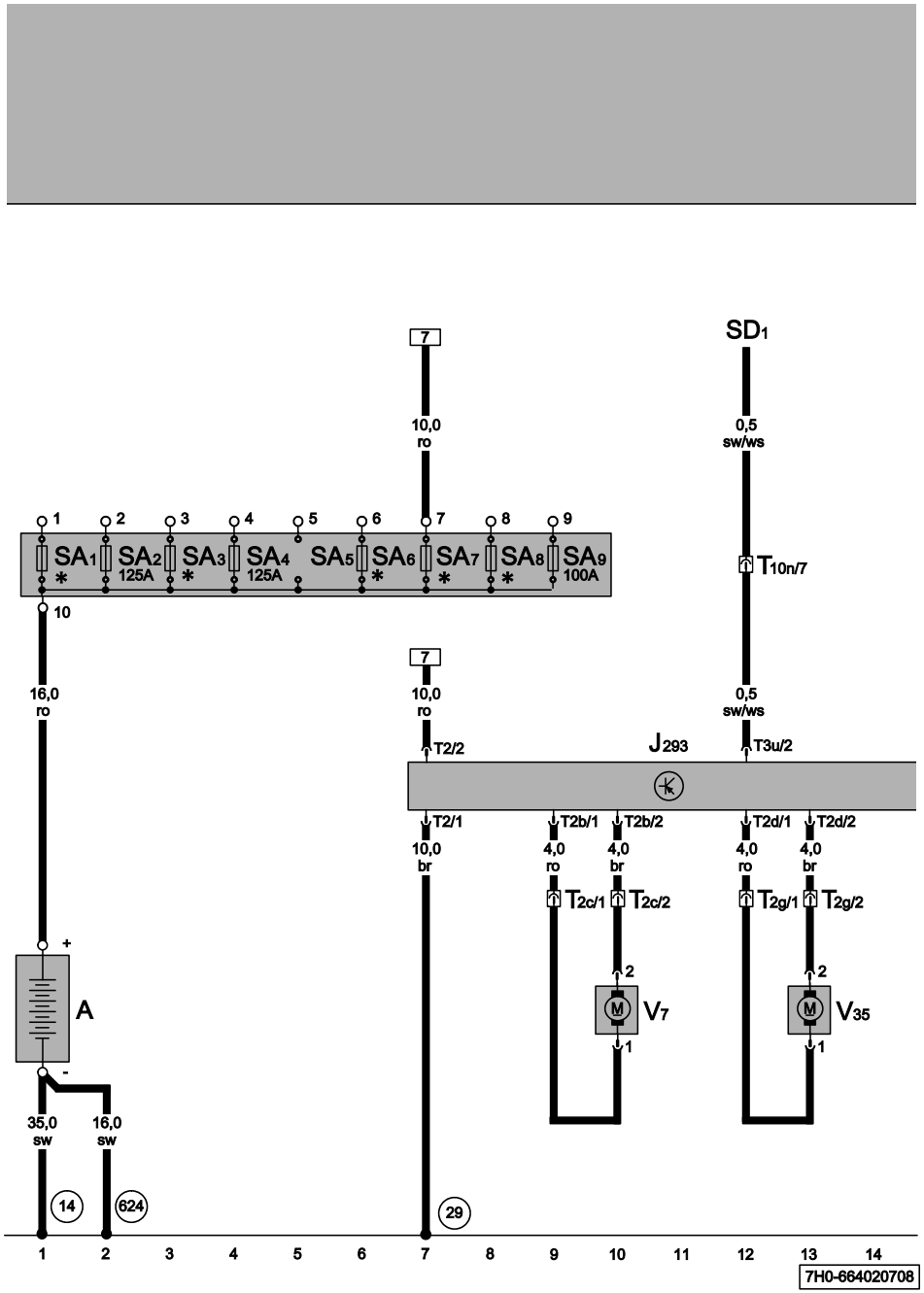
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



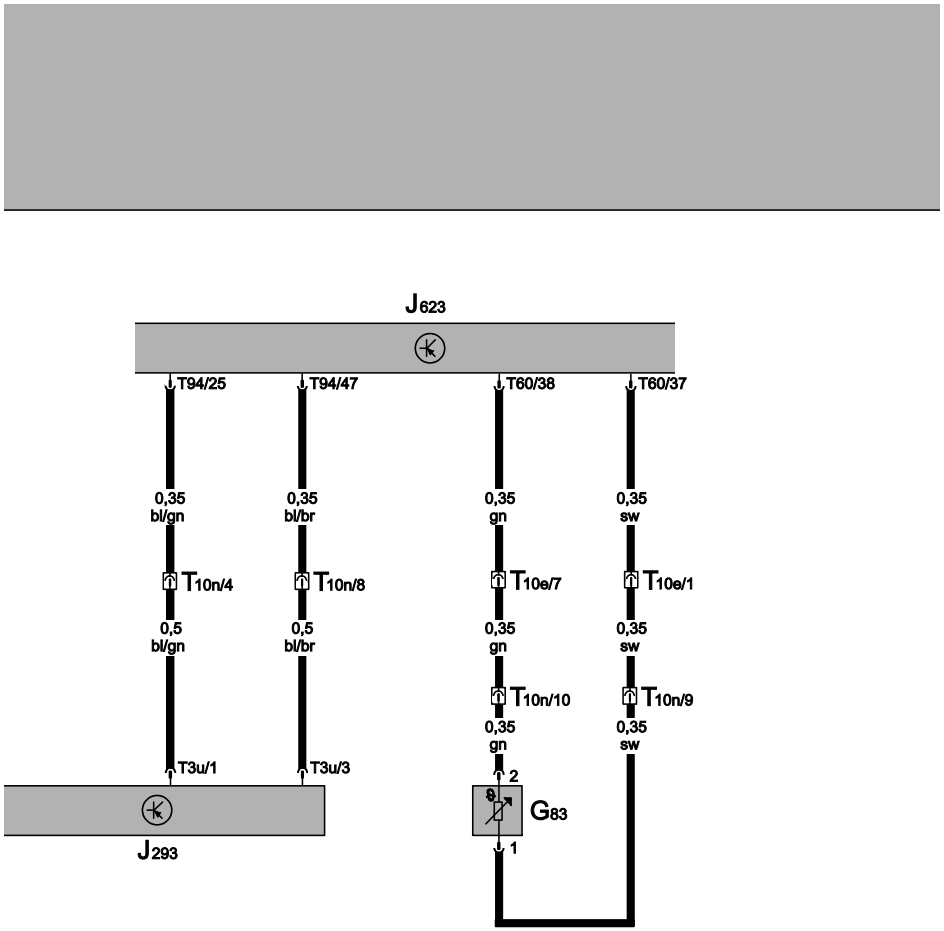
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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuses, radiator fan control unit, radiator fan and radiator fan on right

A	Battery
J293	Radiator fan control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T2d	2-pin connector, black
T2g	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V35	Right radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	fuse rating depends on equipment ⇒ Fitting Locations

Radiator outlet coolant temperature sender, engine control unit

G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Radiator fan (600W + 220/300W), for air conditioning system/Climatronic

⇒ **2 Radiator fan control units**

⇒ **Models with engine codes AXD, AXE, BDL, BDM, BKK, BLJ, BNZ and BPC**

from June 2008

Notes:

For information concerning

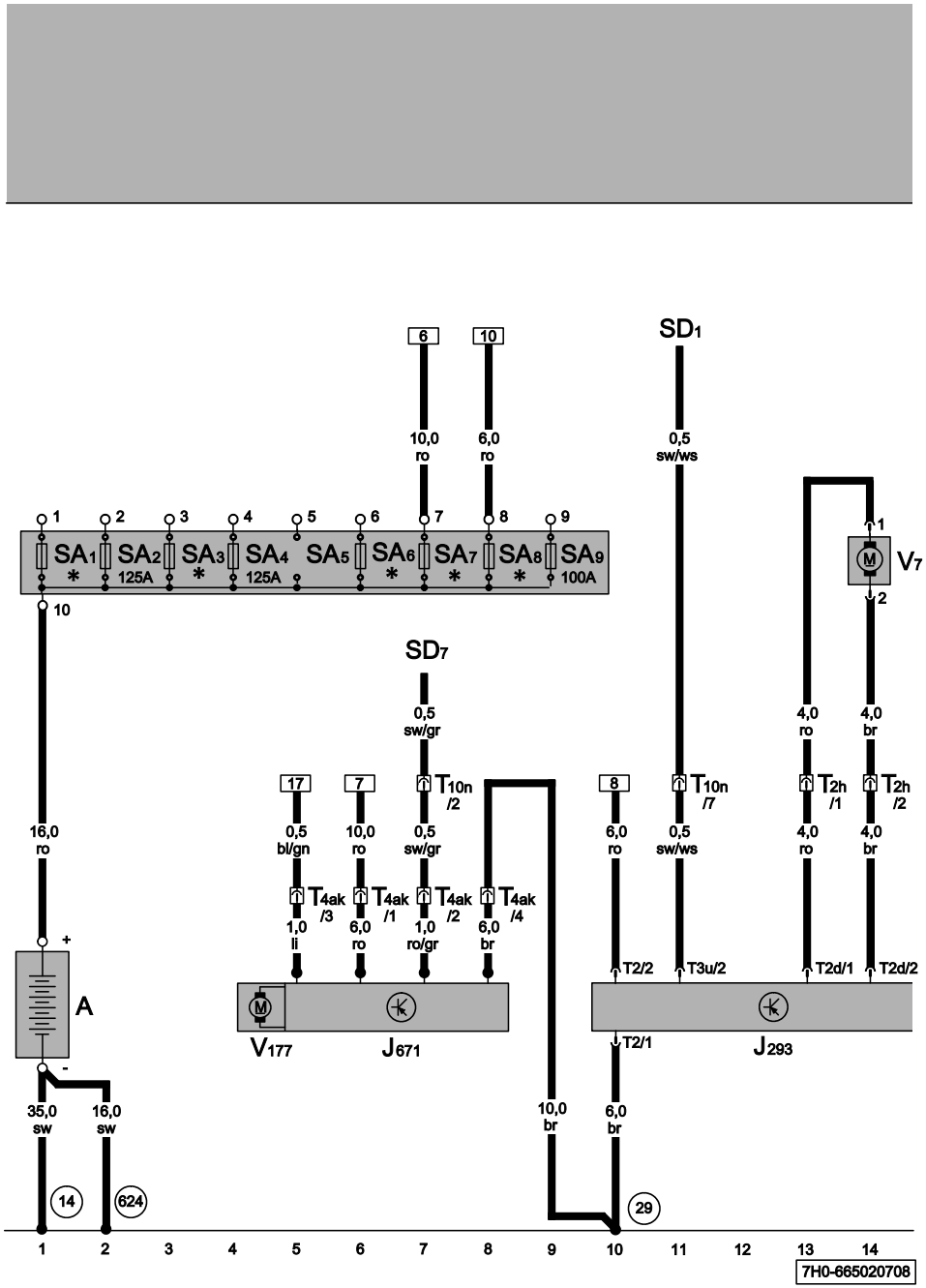
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

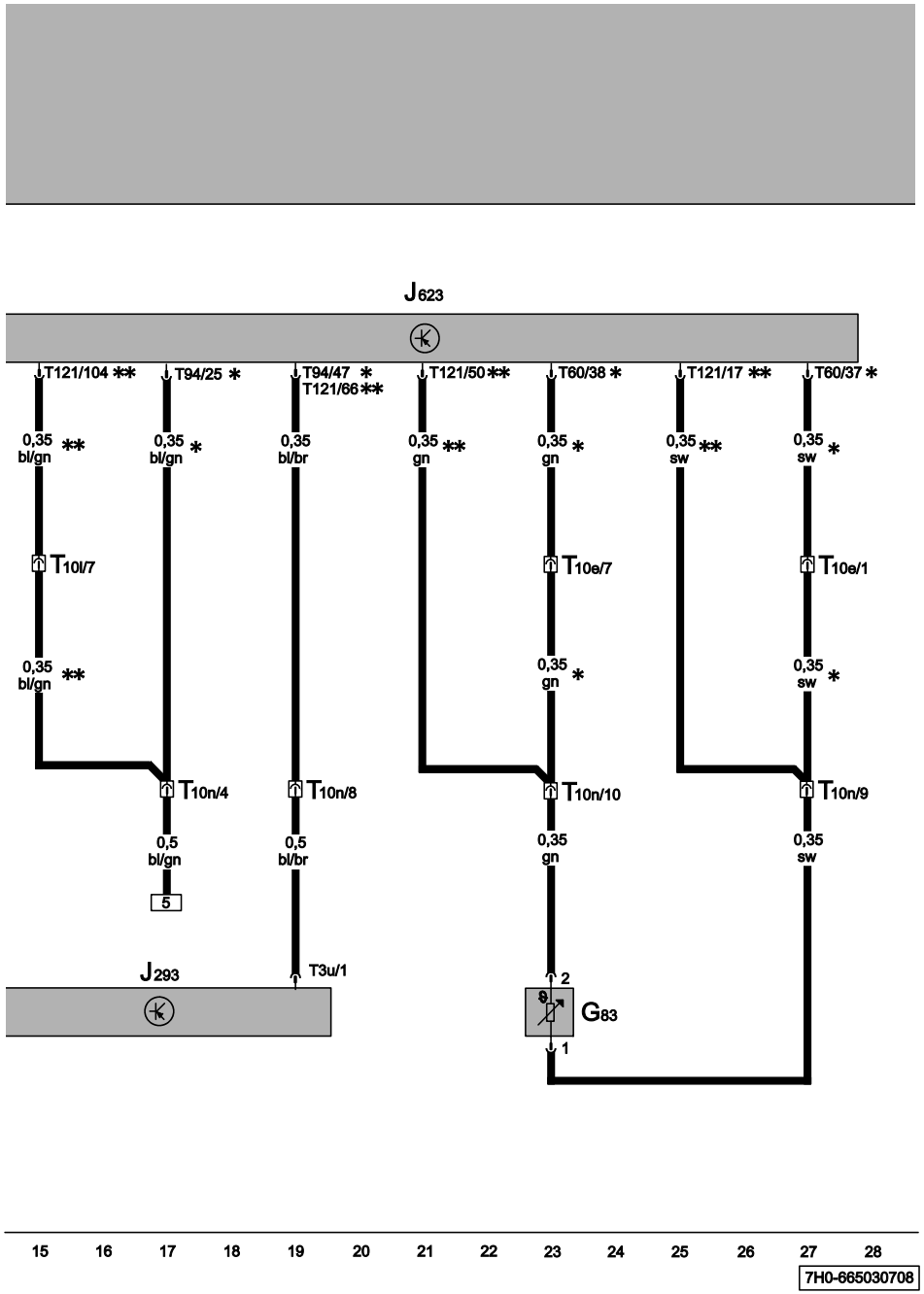
⇒ guided fault finding



Battery, fuses, radiator fan control unit, radiator fan and radiator fan 2

A	Battery
J293	Radiator fan control unit
J671	Radiator fan control unit 2
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
SD7	Fuse 7 on fuse holder D
T2	2-pin connector, black
T2d	2-pin connector, black
T2h	2-pin connector, black, on lower of radiator fan
T3u	3-pin connector, black
T4ak	4-pin connector, black, near radiator fan
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V177	Radiator fan 2
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	fuse rating depends on equipment ⇒ Fitting Locations

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Radiator outlet coolant temperature sender, engine control unit, radiator fan control unit

G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
*	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
**	for models with engine codes BDL, BDM and BKK only

ws	=	white
sw	=	black
ro	=	red
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ge	=	yellow
or	=	orange
rs	=	pink

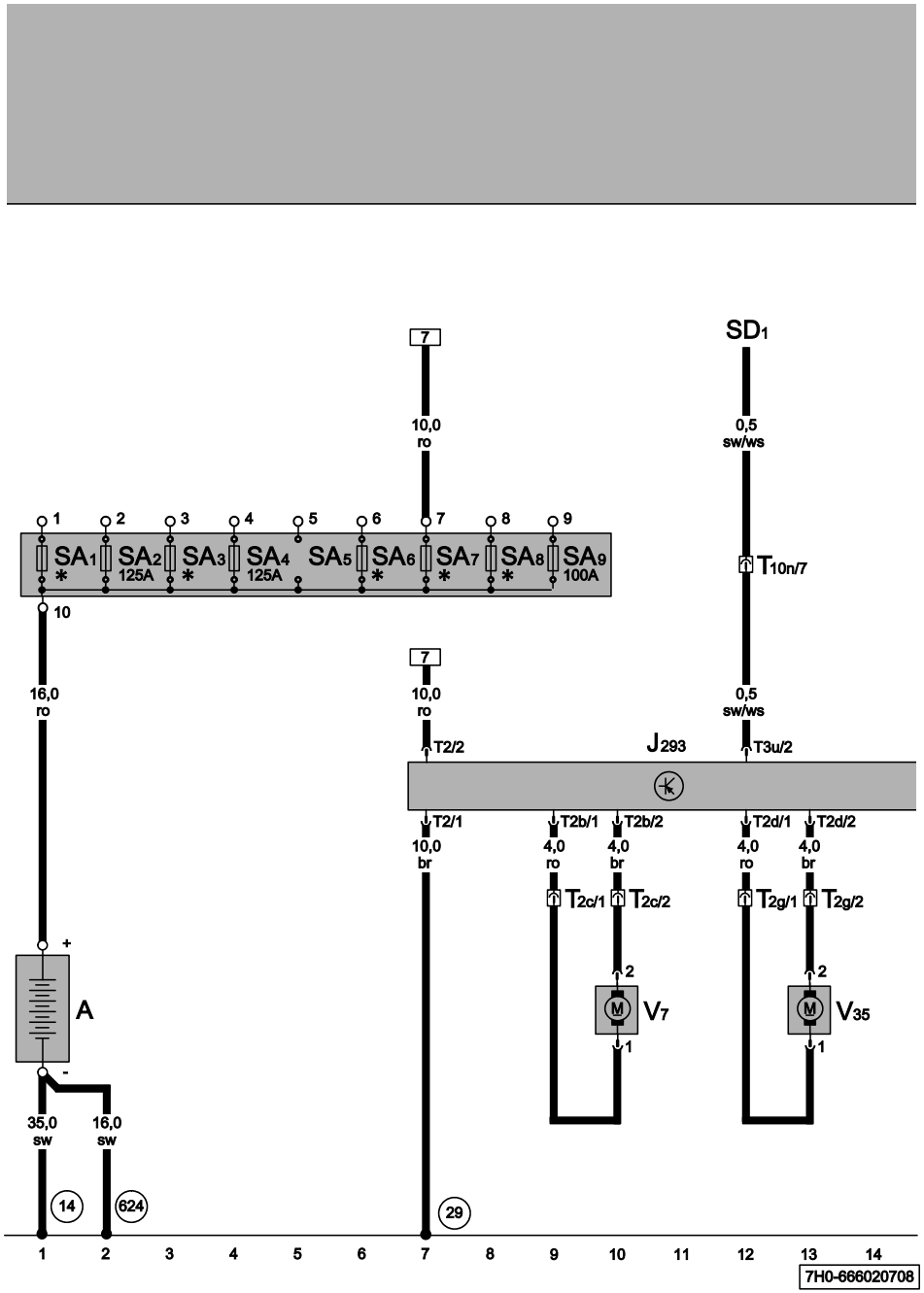
Radiator fan (450W + 220/300W), for air conditioning system/Climatronic

⇒ **1 Radiator fan control unit**
⇒ **Engine codes AXA, BDL, BDM, BKK**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



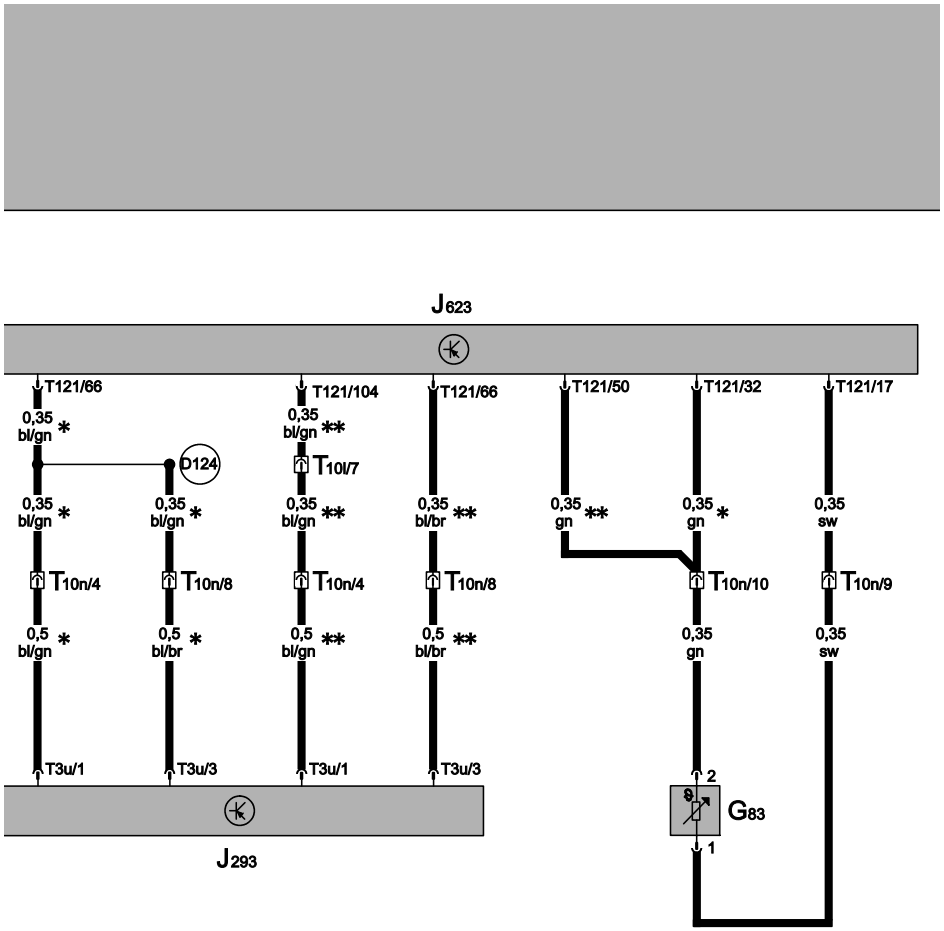
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Battery, fuses, radiator fan control unit, radiator fan and radiator fan on right

A	Battery
J293	Radiator fan control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA5	Fuse 5 on fuse holder A
SA6	Fuse 6 on fuse holder A
SA7	Fuse 7 on fuse holder A
SA8	Fuse 8 on fuse holder A
SA9	Fuse 9 on fuse holder A
SD1	Fuse 1 on fuse holder D
T2	2-pin connector, black
T2b	2-pin connector, brown
T2c	2-pin connector, black, near radiator fan
T2d	2-pin connector, black
T2g	2-pin connector, black, near radiator fan
T3u	3-pin connector, black
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
V7	Radiator fan
V35	Right radiator fan
14	Earth point, on gearbox
29	Earth point, near radiator fan control unit
624	Earth point, starter battery
*	fuse rating depends on equipment ⇒ Fitting Locations

Radiator outlet coolant temperature sender, engine control unit, radiator fan control unit

G83	Radiator outlet coolant temperature sender
J293	Radiator fan control unit
J623	Engine control unit
T3u	3-pin connector, black
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D124	Connection 22, in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only



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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

7H0-666030708

Day driving light

from June 2008

Notes:

For information concerning

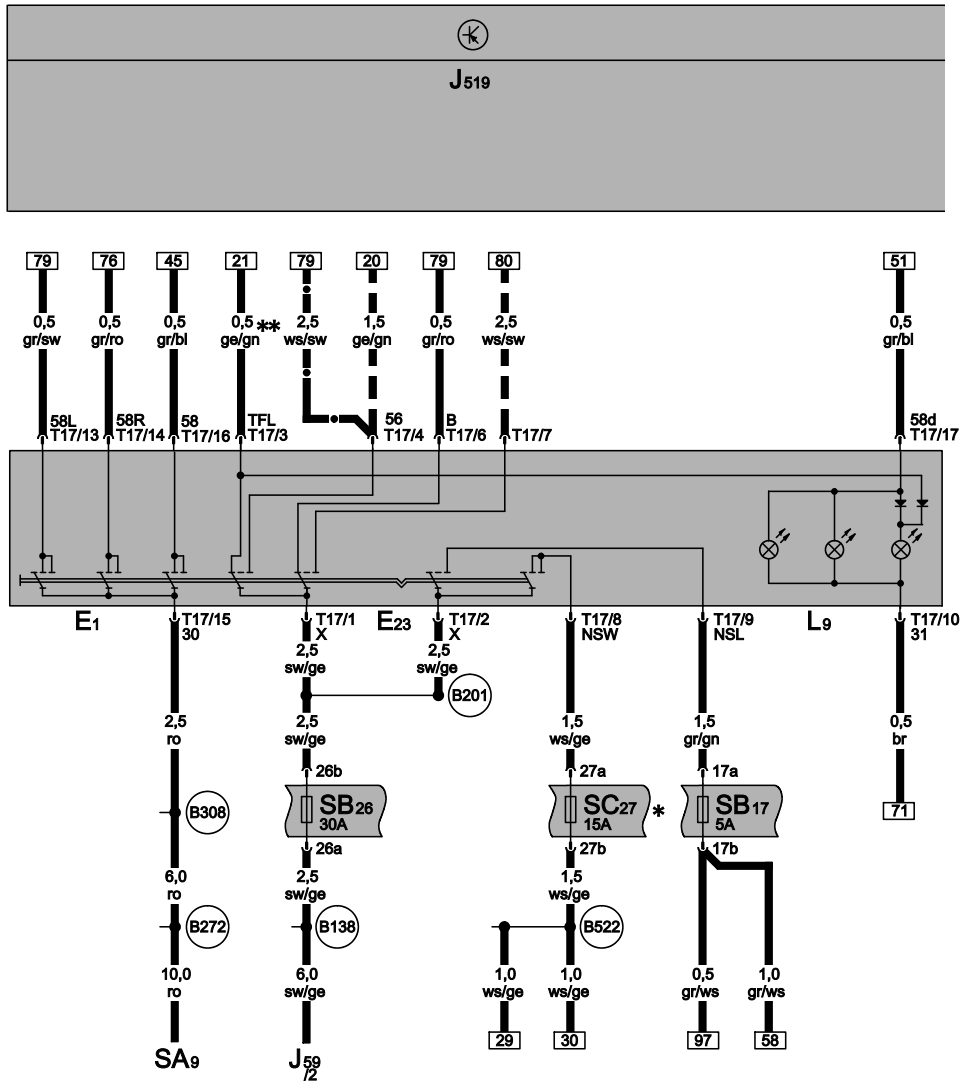
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch, fuses

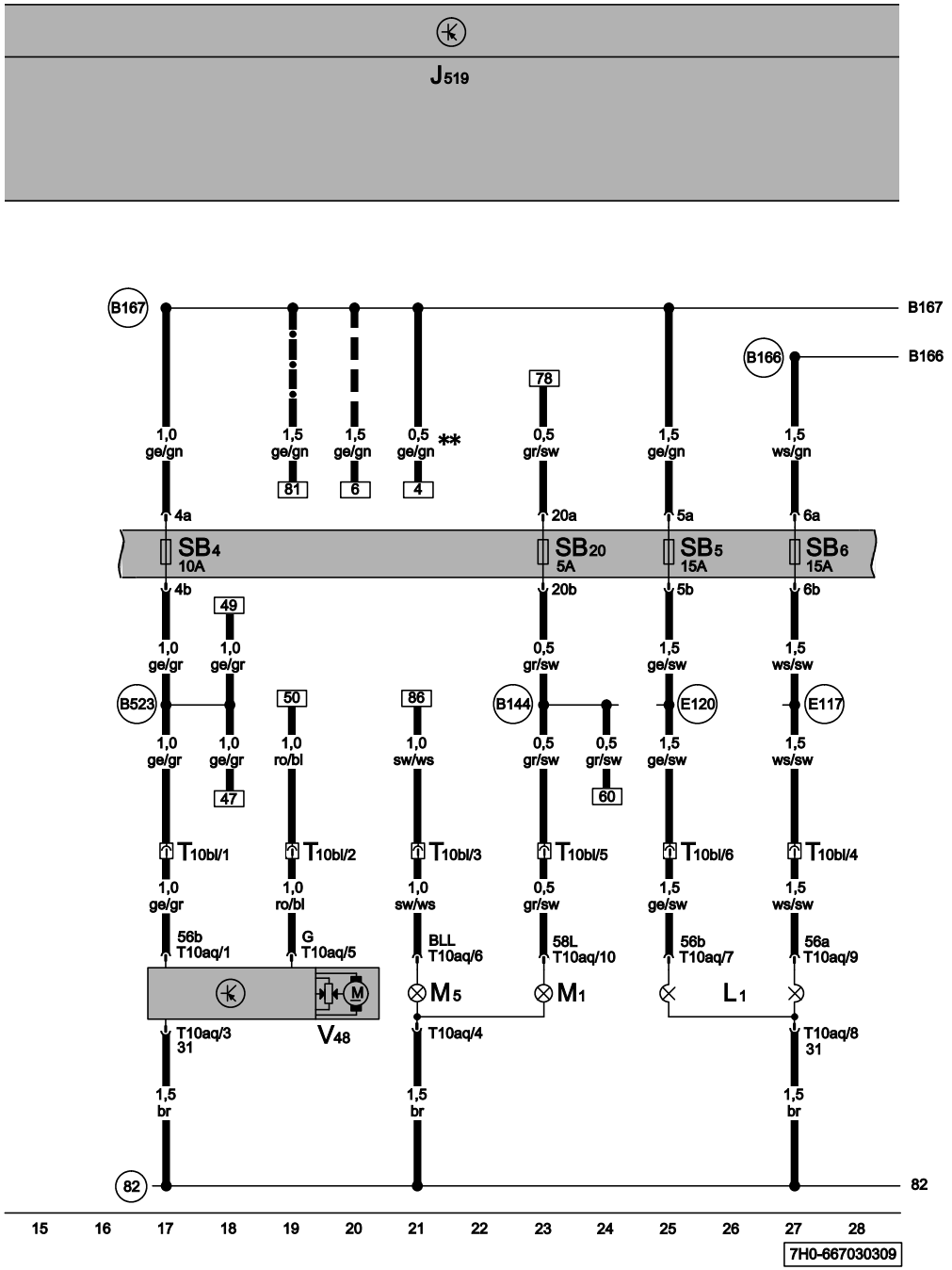
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
SC27	Fuse 27 on fuse holder C
T17	17-pin connector
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights

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for multivan, business, caravelle and camper Comfortline only

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applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles

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ge	=	yellow
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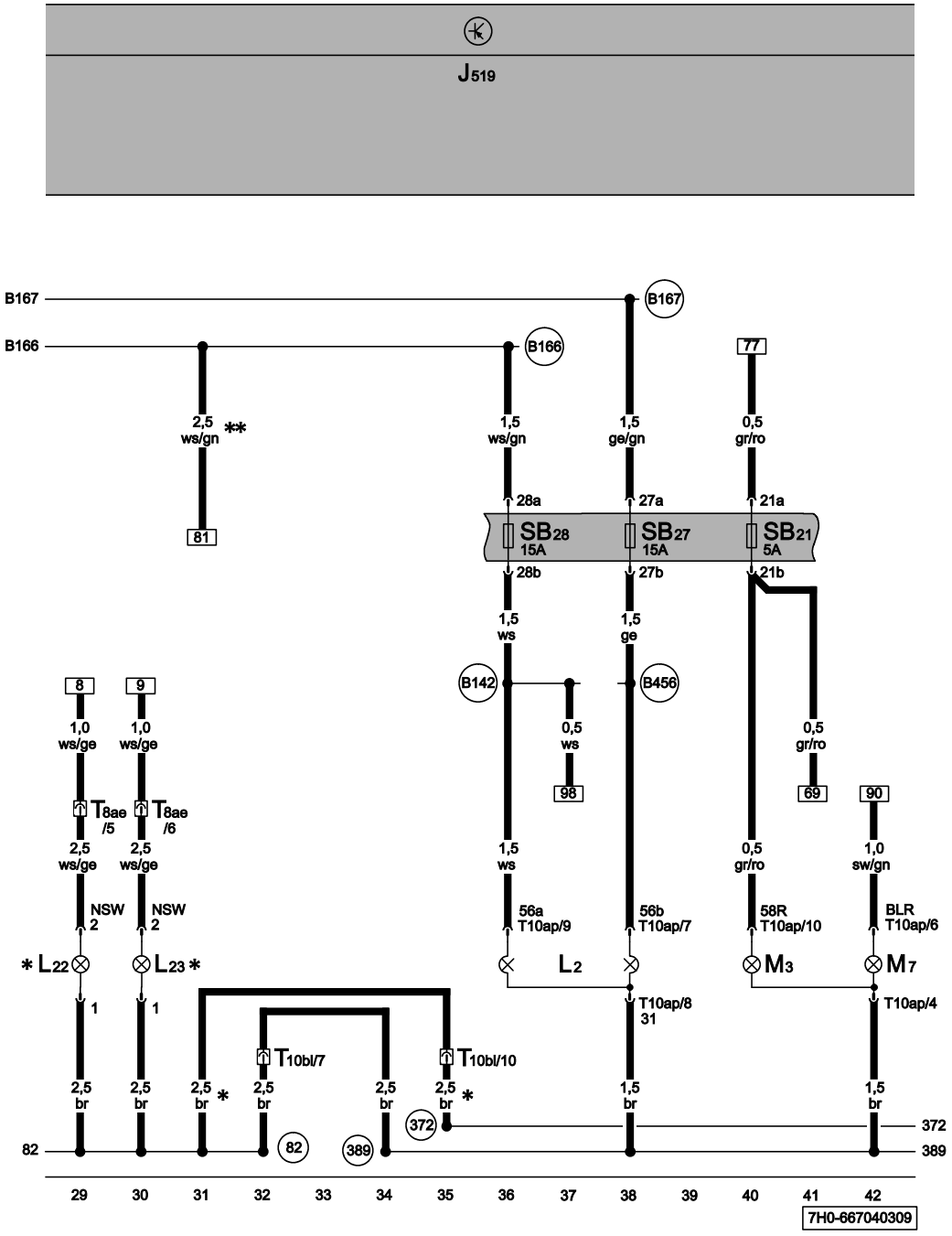
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Left headlight twin filament bulb, left side light bulb, front left turn signal bulb, left headlight range control motor, fuses

J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	not for models with gas discharge headlights ⇒ Current Flow Diagram for gas discharge headlights
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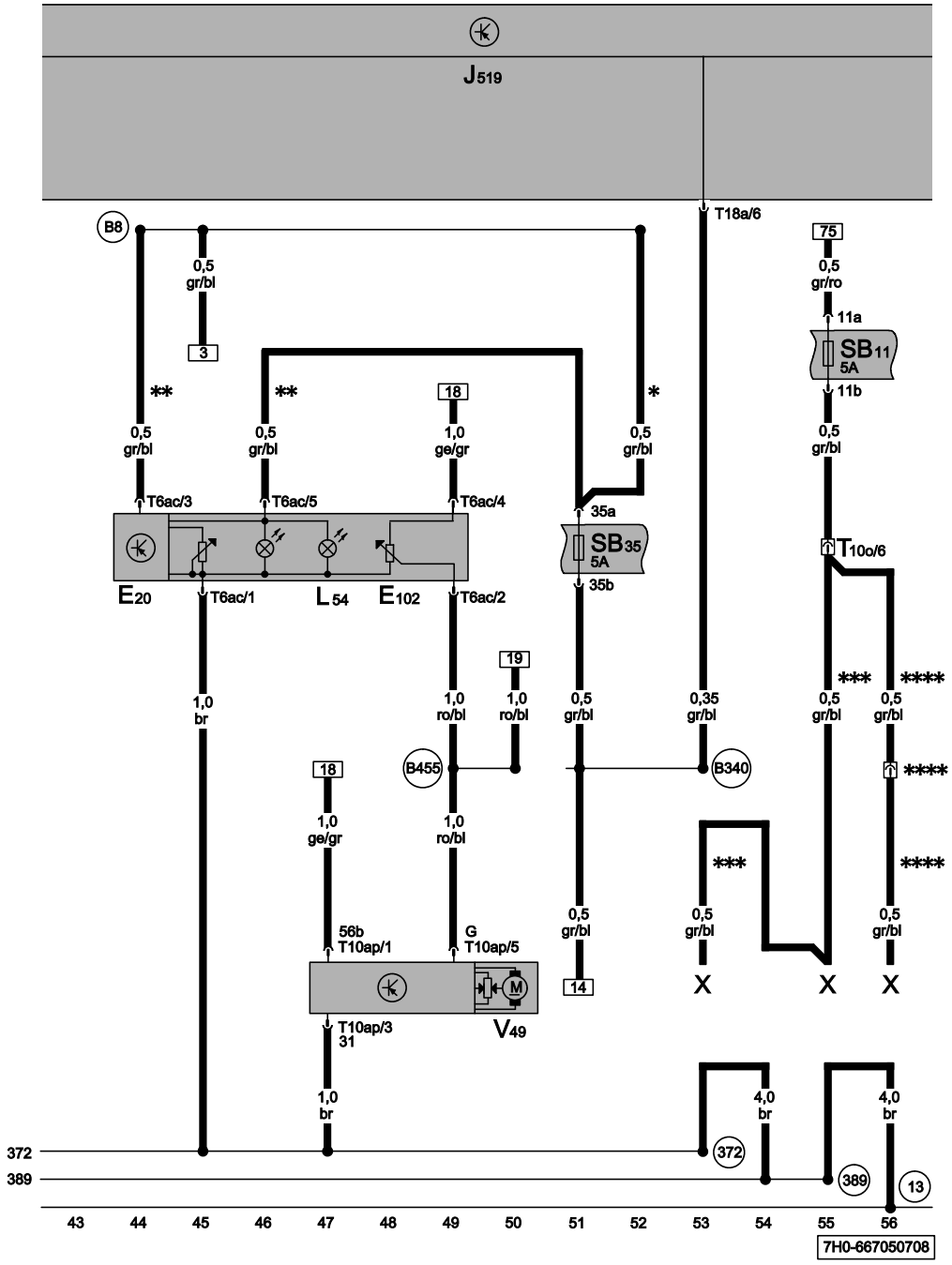
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ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Right headlight twin filament bulb, right side light bulb, front right turn signal bulb, fog light bulb, fuses

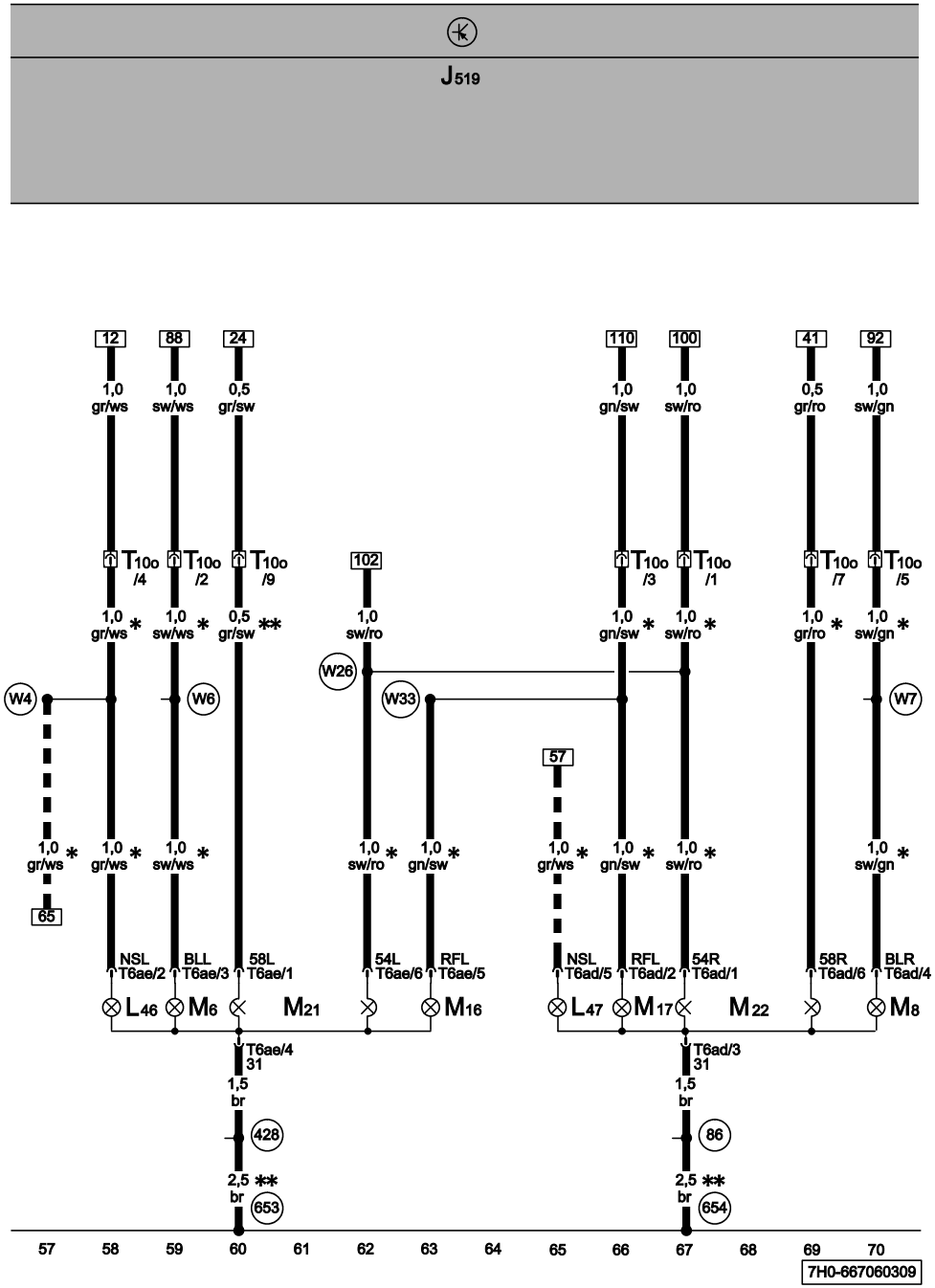
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, number plate light, fuses

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
T18a	18-pin connector, brown
V49	Right headlight range control motor
X	Number plate light
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	⇒ tail lights plank bed Current Flow Diagram
****	⇒ basic equipment/ rear wing doors Current Flow Diagram

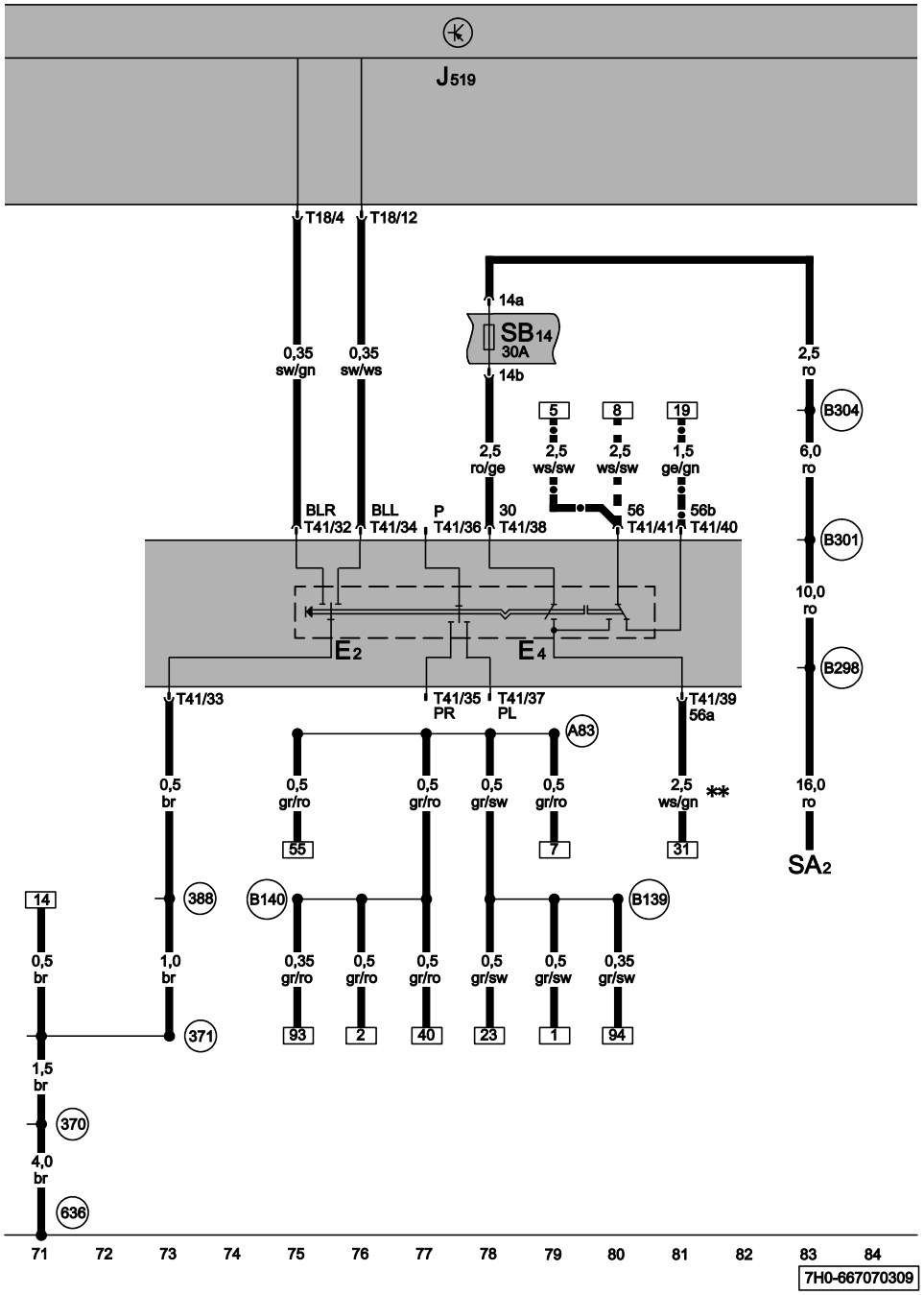


ws = white

Left and right brake and tail light bulb, rear left and right turn signal bulb, reversing light, rear fog light

J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
654	Earth point, right D-pillar
W4	Connection 1 (rear fog lights), in rear wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	not for double cab and plank bed vehicles
**	cross-section depends on equipment
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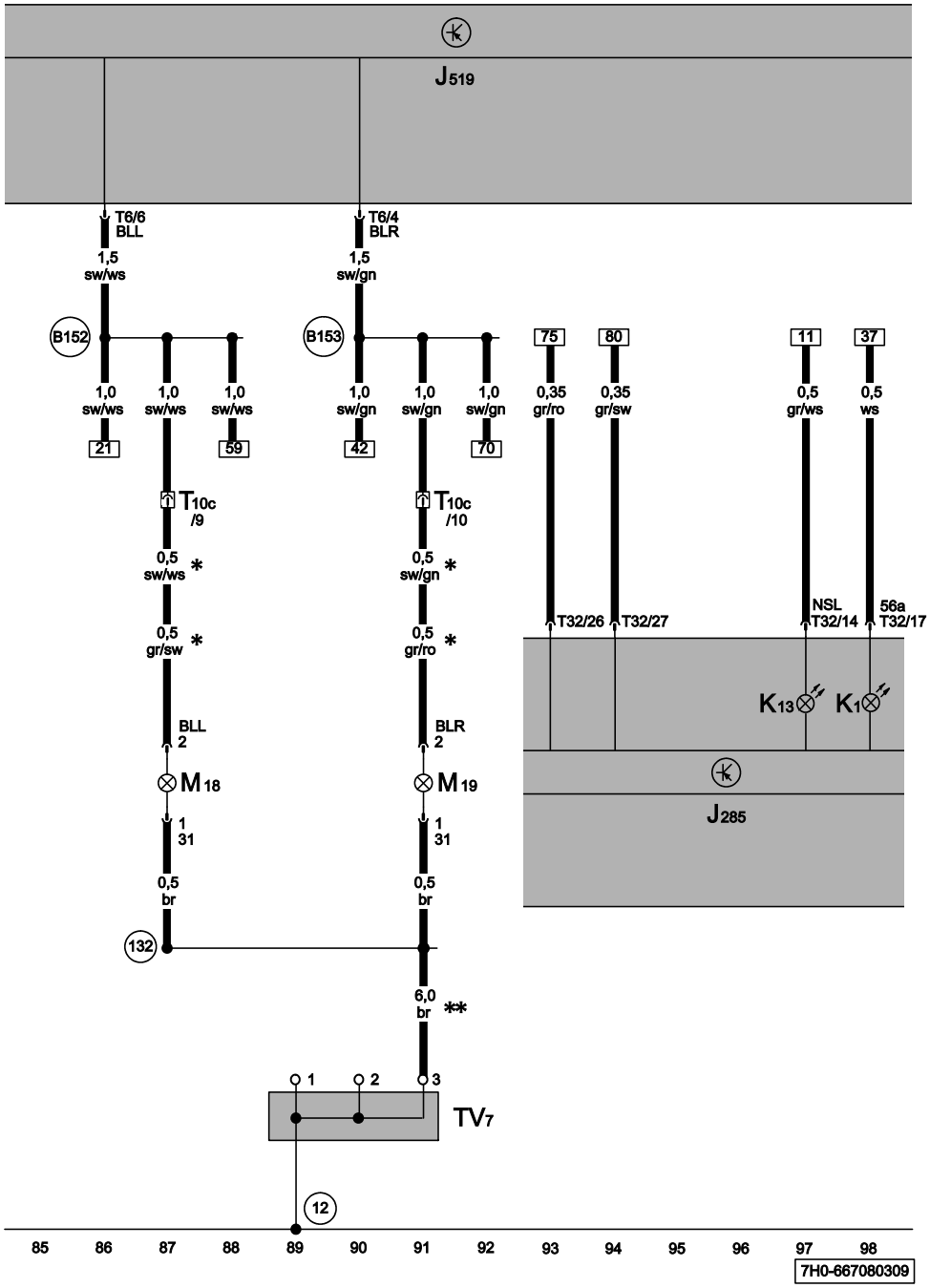
Onboard supply control unit, turn signal switch, headlight dipper/flasher switch, fuses

E2	Turn signal switch
E4	Headlight dipper/flasher switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB14	Fuse 14 on fuse holder B
T18	18-pin connector, black
T41	41-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
**	for models without taxi equipment only
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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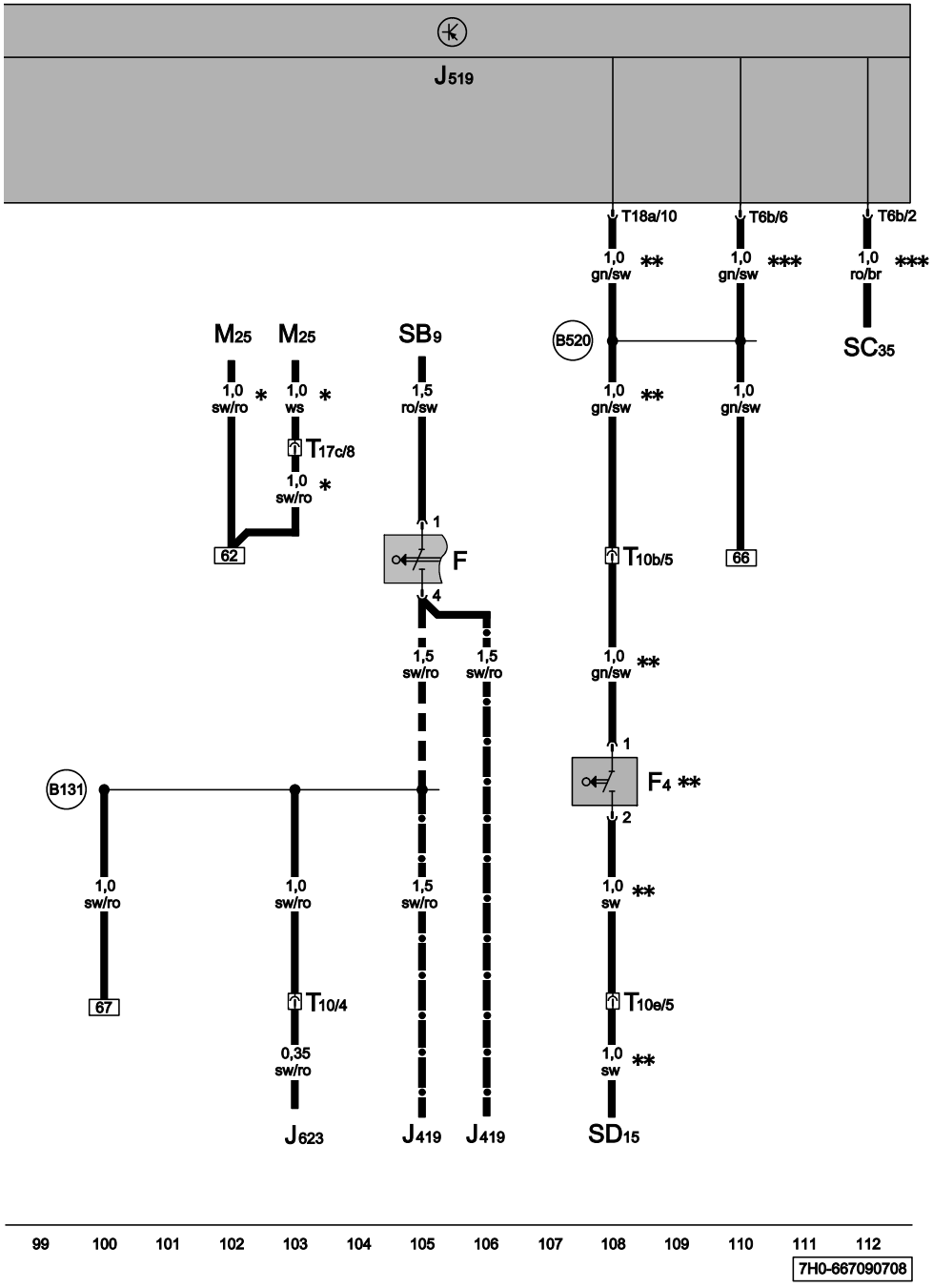
applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles



Onboard supply control unit, warning lamps, side mounted turn signal bulbs, control unit in dash panel insert

J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	depends on equipment
**	Cross-section 4.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
M25	High level brake light bulb
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	⇒ basic equipment/ rear wing doors Current Flow Diagram
**	for models with manual gearbox only
***	for models with automatic gearbox only
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or	=	orange
rs	=	pink

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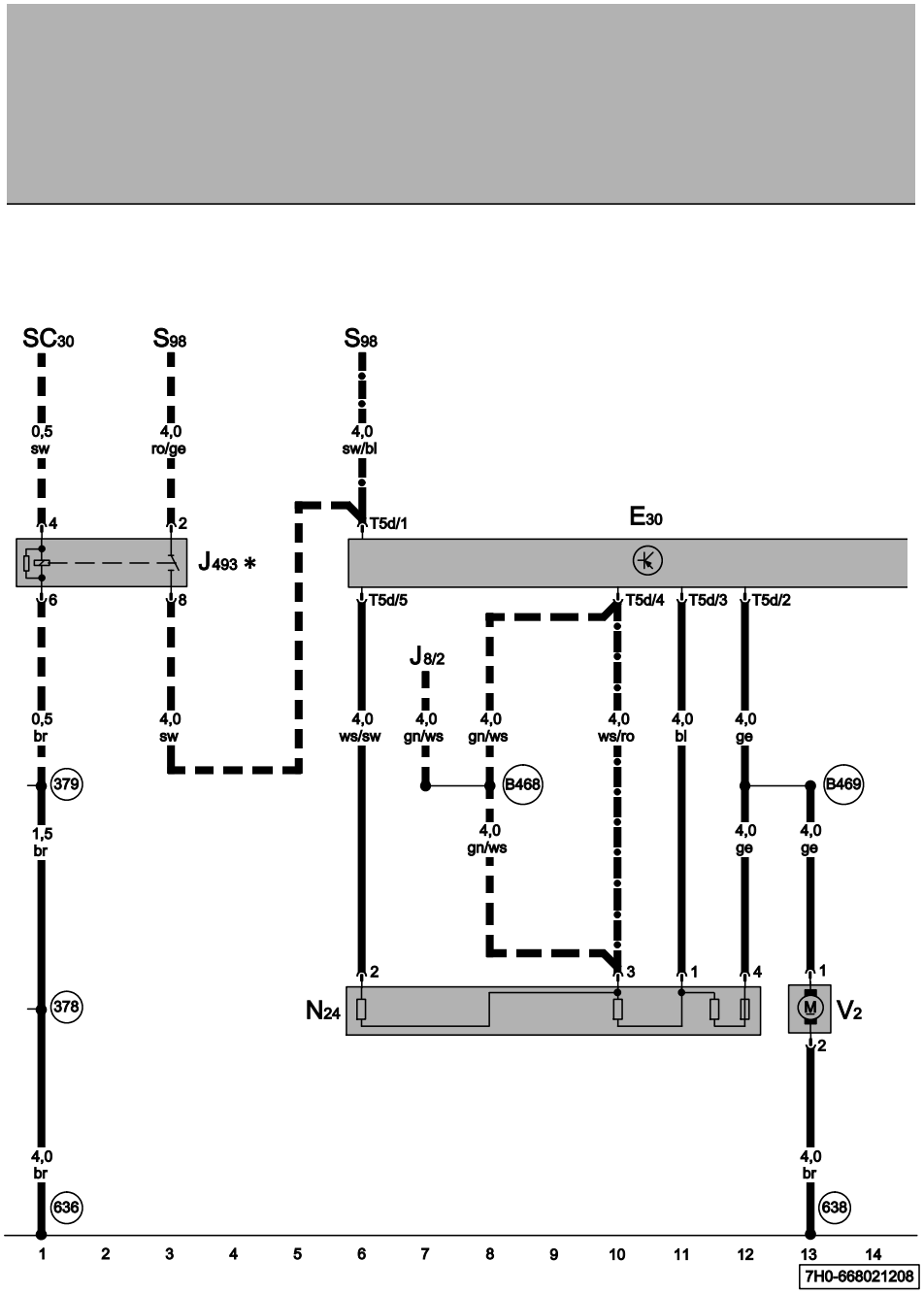
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **Engine codes AXD, AXE, BLJ, BNZ and BPC**
⇒ **Multivan, camper and shuttle vehicles**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



ws = white

Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

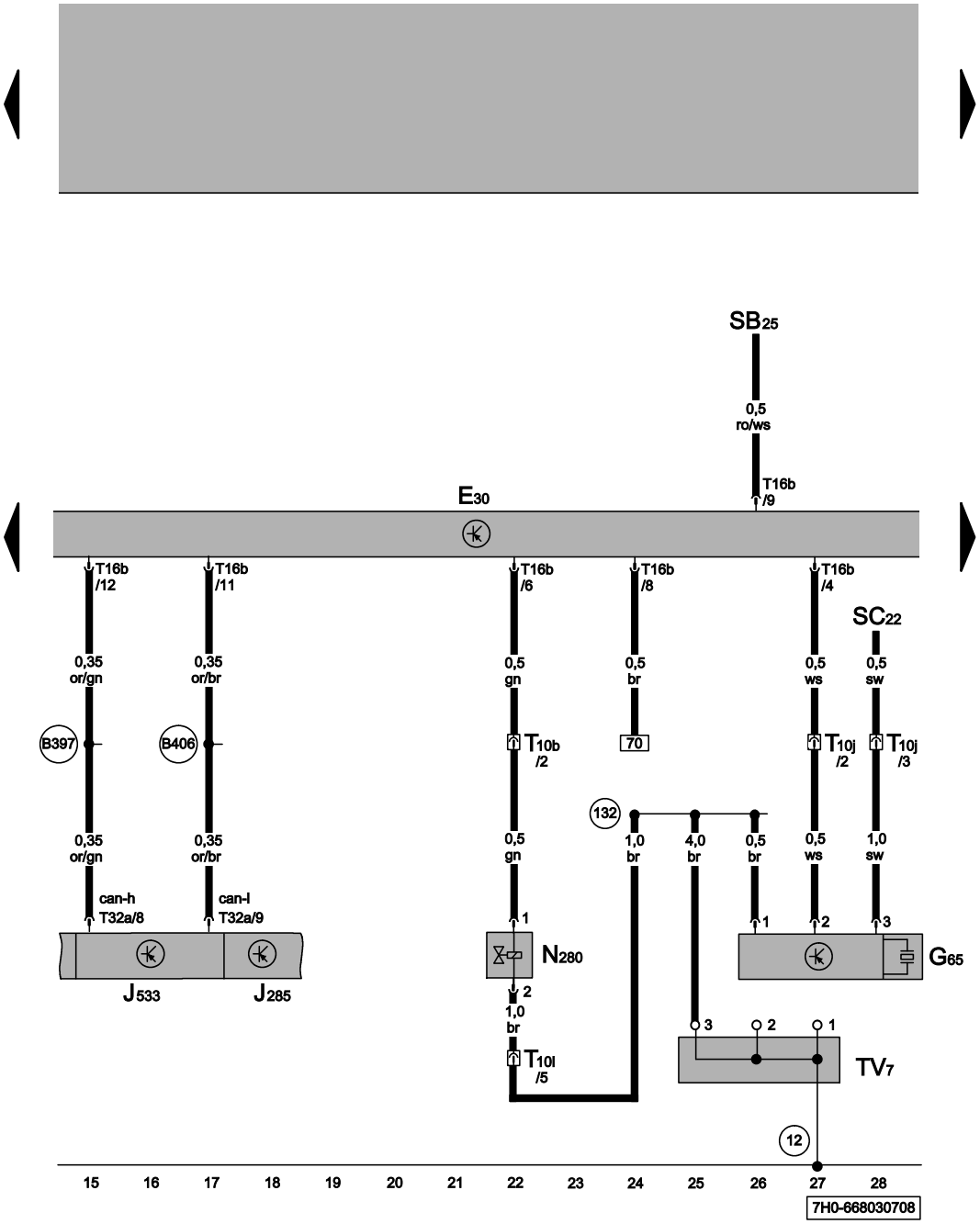
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for models with auxiliary coolant heater only

for models without auxiliary coolant heater only

sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

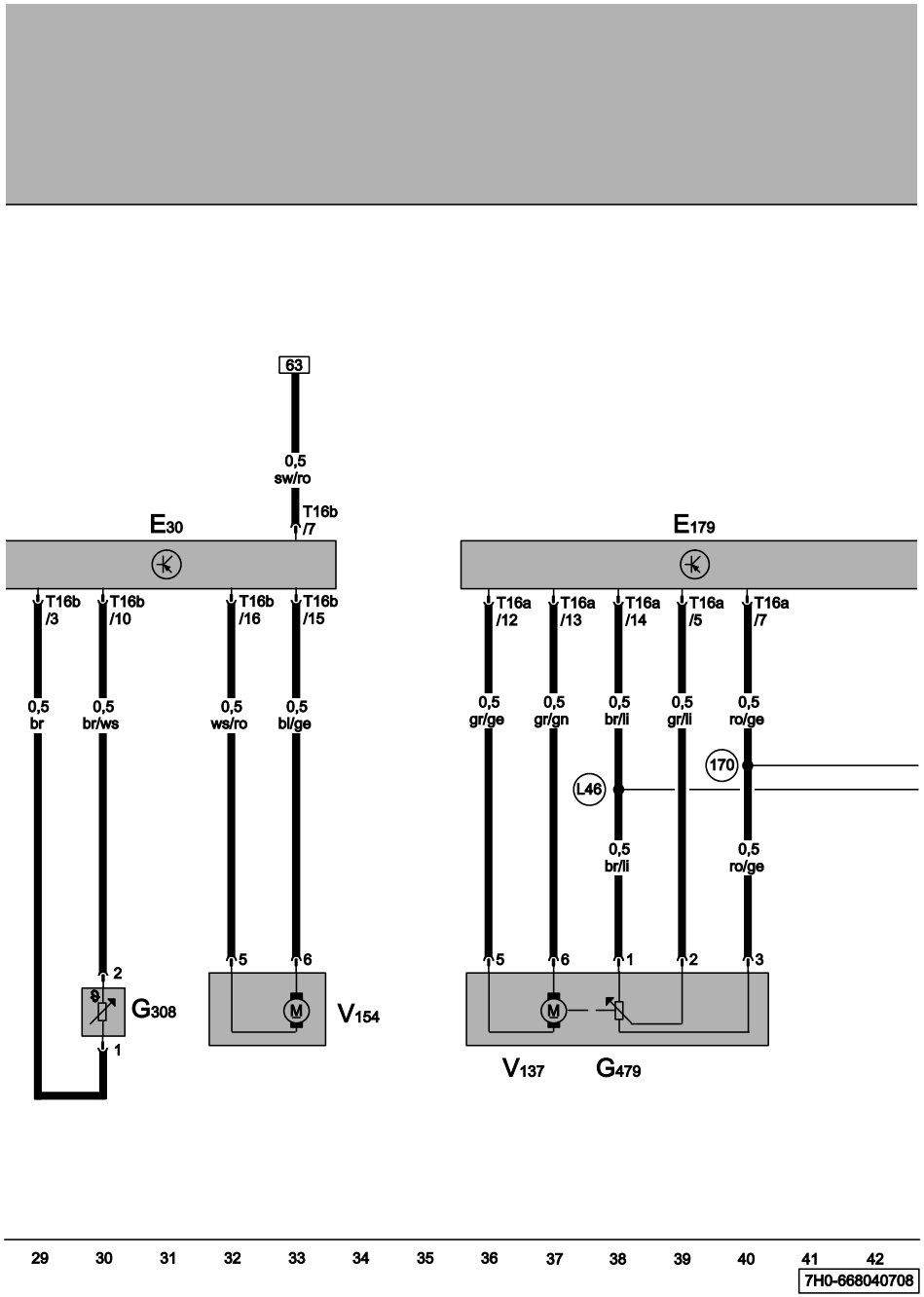
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

High-pressure sender, air conditioner compressor regulating valve, air conditioning system switch, data bus diagnostic interface

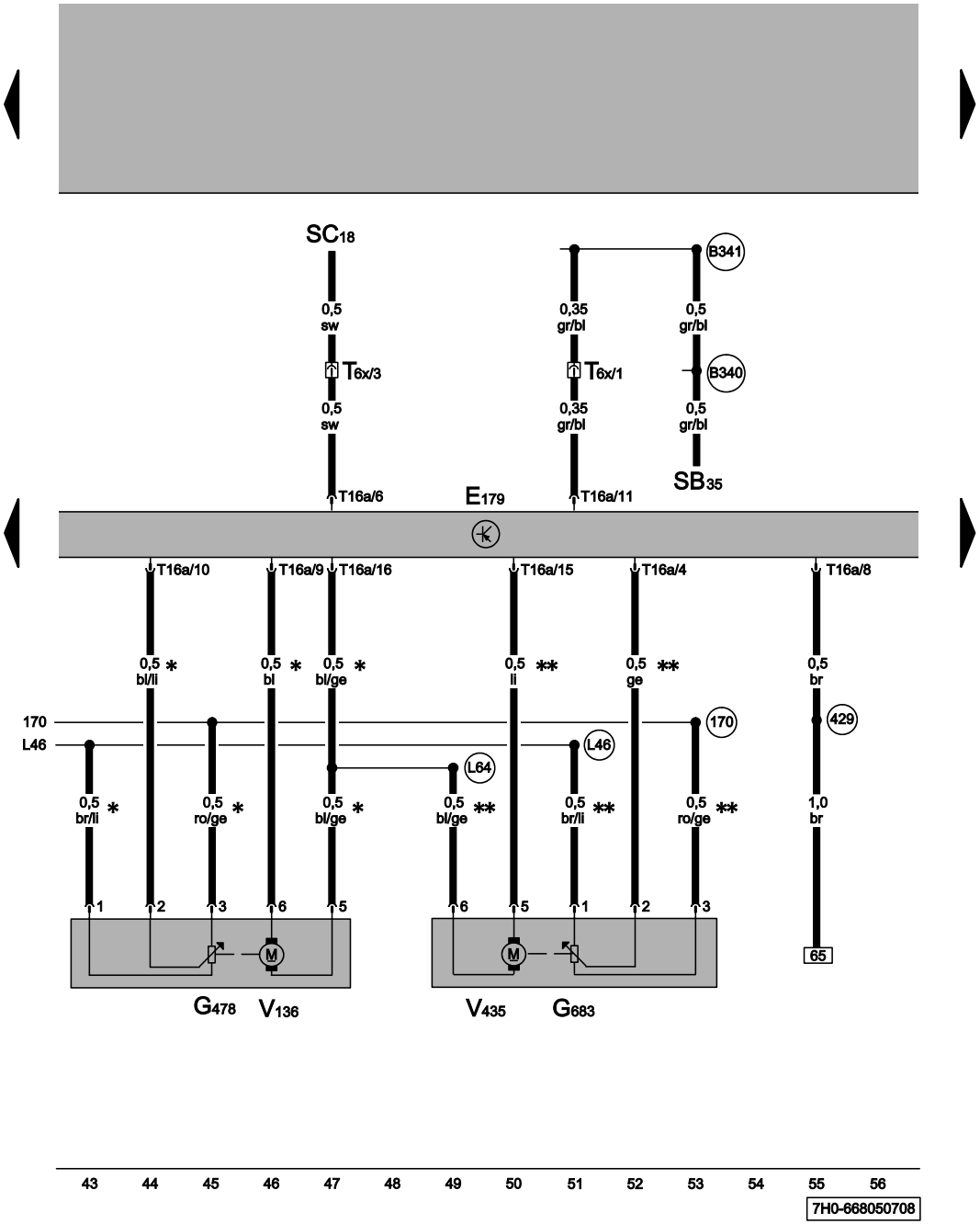
E30	Air conditioning system switch
G65	High pressure sender
J285	Control unit in dash panel insert
J533	Data bus diagnostic interface
N280	Air conditioning system compressor regulating valve
SB25	Fuse 25 on fuse holder B
SC22	Fuse 22 on fuse holder C
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness



Evaporator temperature sensor, fresh air and air recirculation flap control motor, temperature flap control motor potentiometer, air conditioning system switch, rear fresh air blower switch

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
T16a	16-pin connector, black
T16b	16-pin connector, black
V137	Rear temperature flap control motor
V154	Fresh air/recirculated air flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

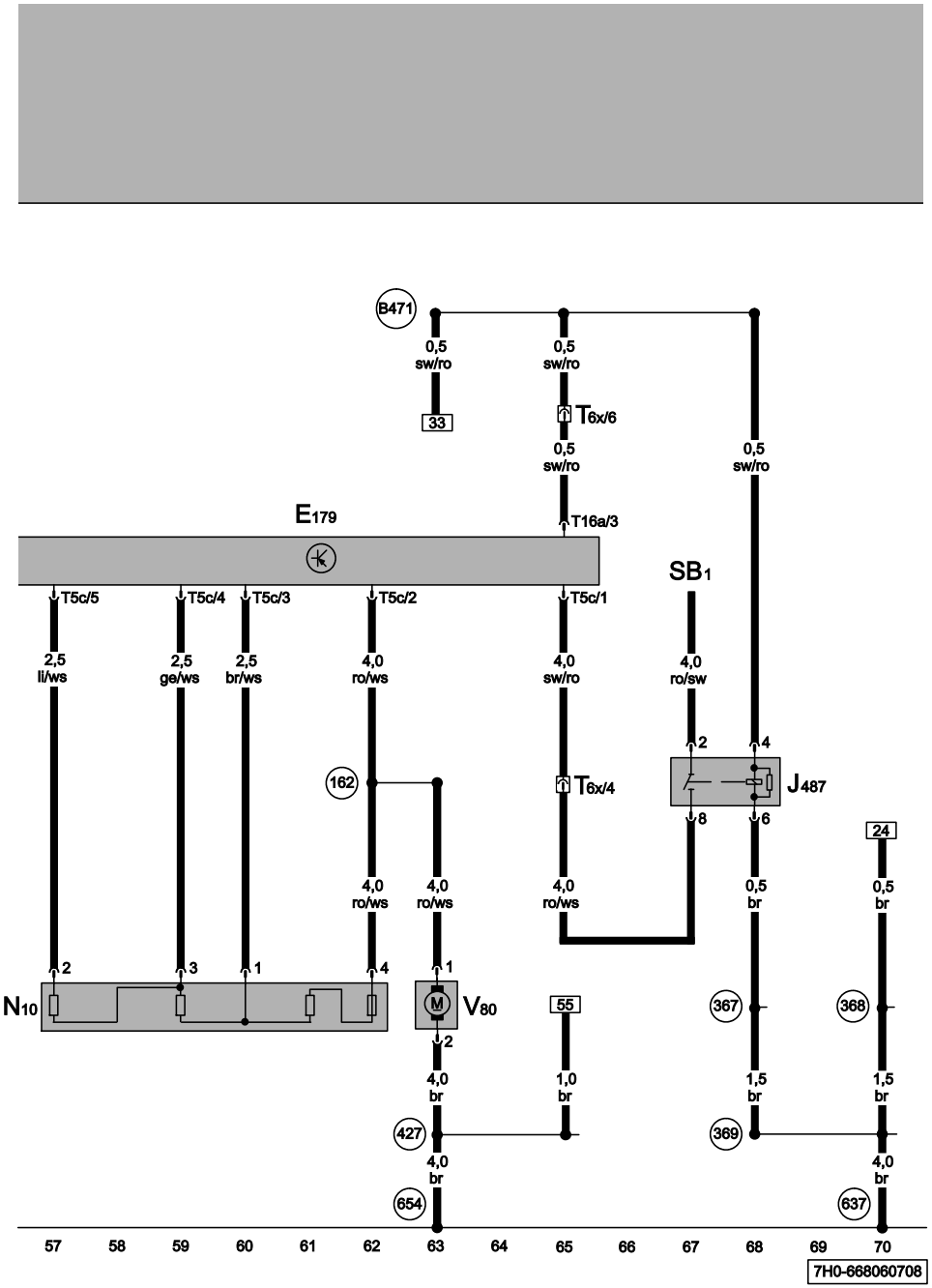
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Potentiometer for rear air distribution control motor, potentiometer for rear air distribution control motor 2, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G683	Potentiometer for rear air distribution control motor 2
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V435	Rear air distribution control motor 2
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
L64	Connection (control motor), in rear Climatronic wiring harness
*	for models with rear air distribution control motor only
**	for models with side window vent only (6CE)

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness

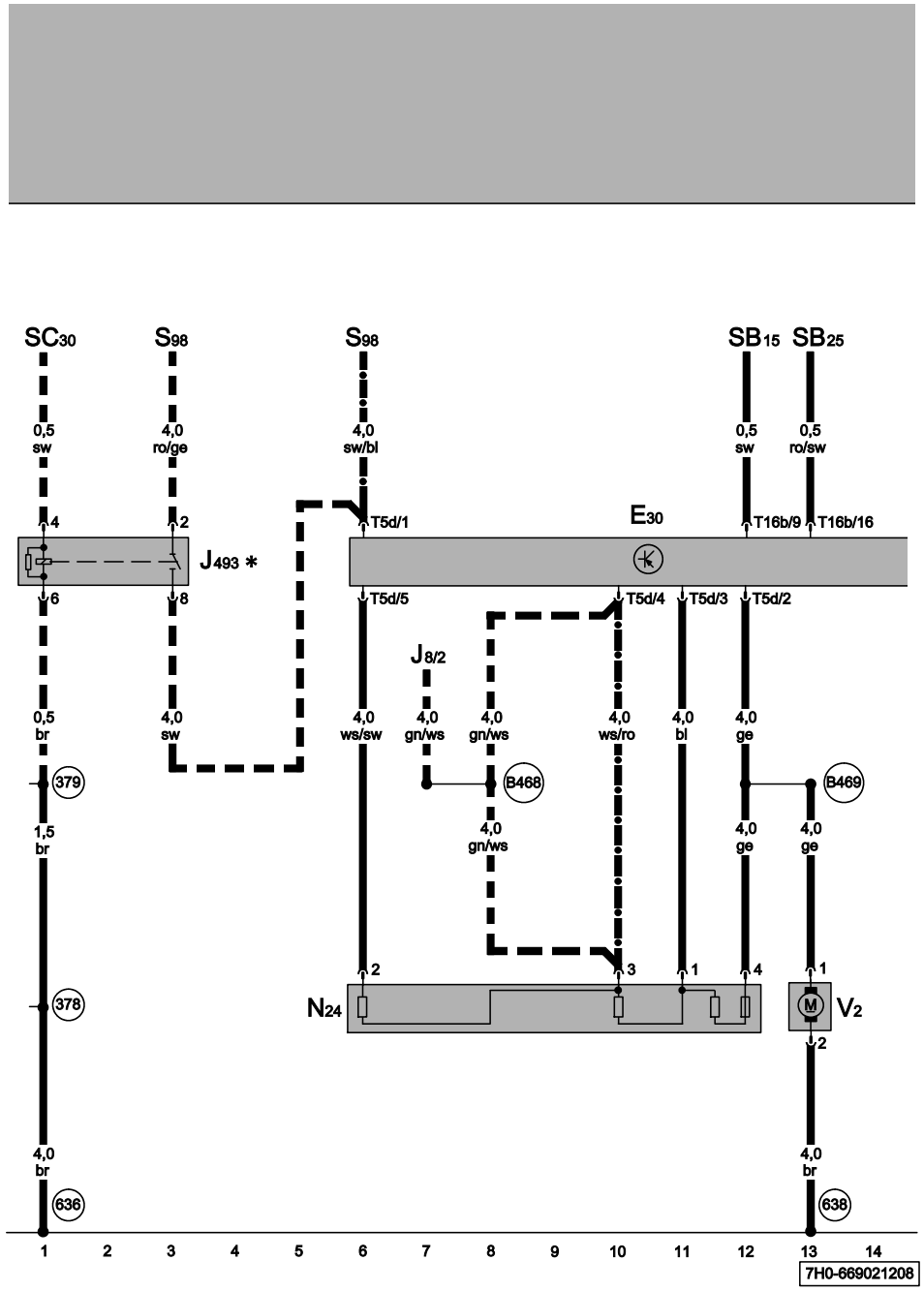
Air conditioning system - front and rear, 2nd operating unit in passenger compartment

⇒ **engine codes AXA, AXB, AXC, BDL, BDM, BKK, BRR and BRS**
⇒ **Multivan, camper and shuttle vehicles and traveller**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

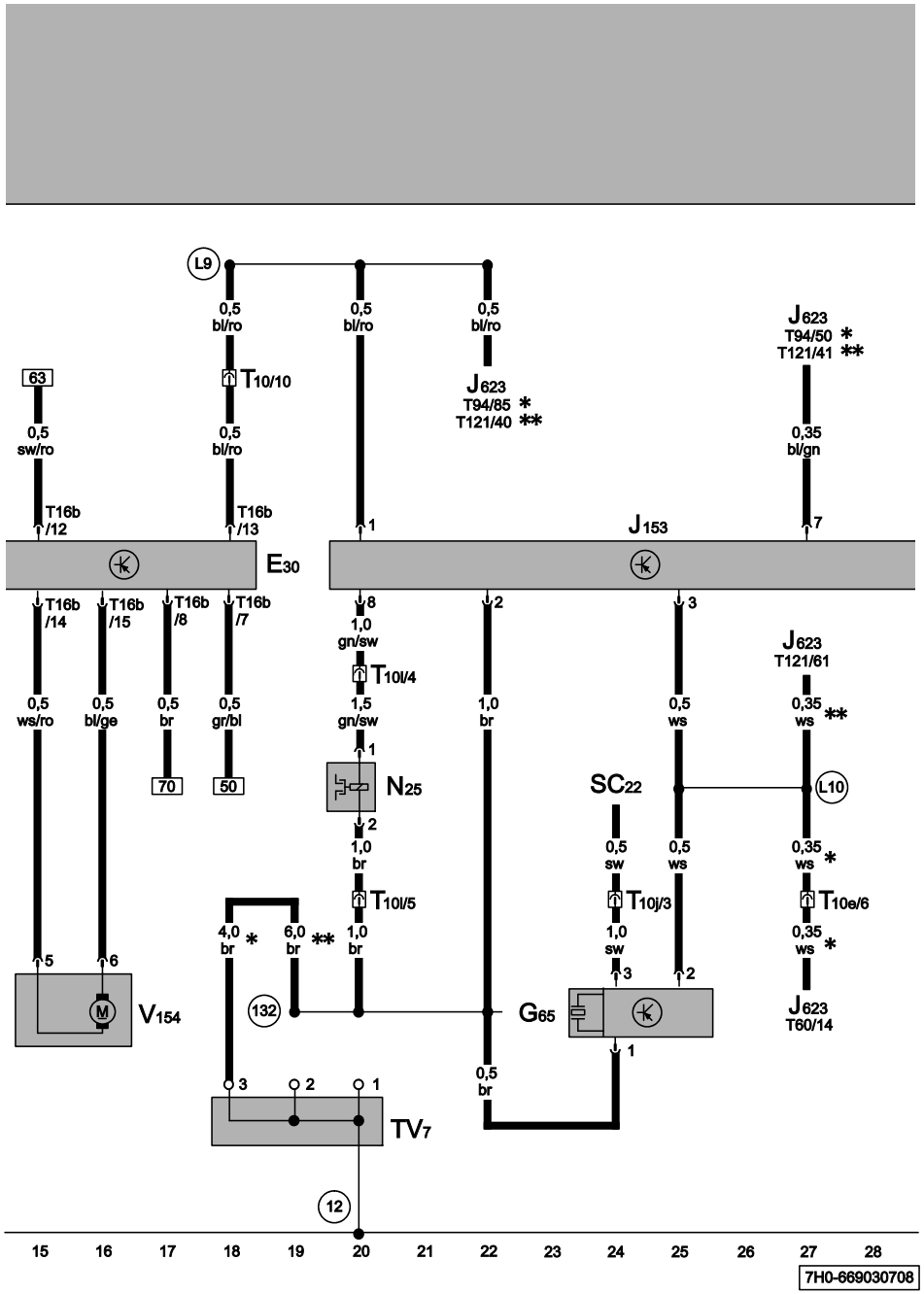


Fresh air blower, fresh air blower series resistor with overheating fuse, air conditioning system switch, auxiliary coolant heater relay

E30	Air conditioning system switch
J8	Auxiliary heater relay
J493	Auxiliary coolant heater relay
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
SC30	Fuse 30 on fuse holder C
T5d	5-pin connector
T16b	16-pin connector, black
V2	Fresh air blower
378	Earth connection 13, in main wiring harness
379	Earth connection 14, in main wiring harness
636	Earth point, onboard supply control unit
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
*	for models with auxiliary coolant heater only, on relay carrier (1) cockpit, ⇒ Fitting Locations

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for models with auxiliary coolant heater only

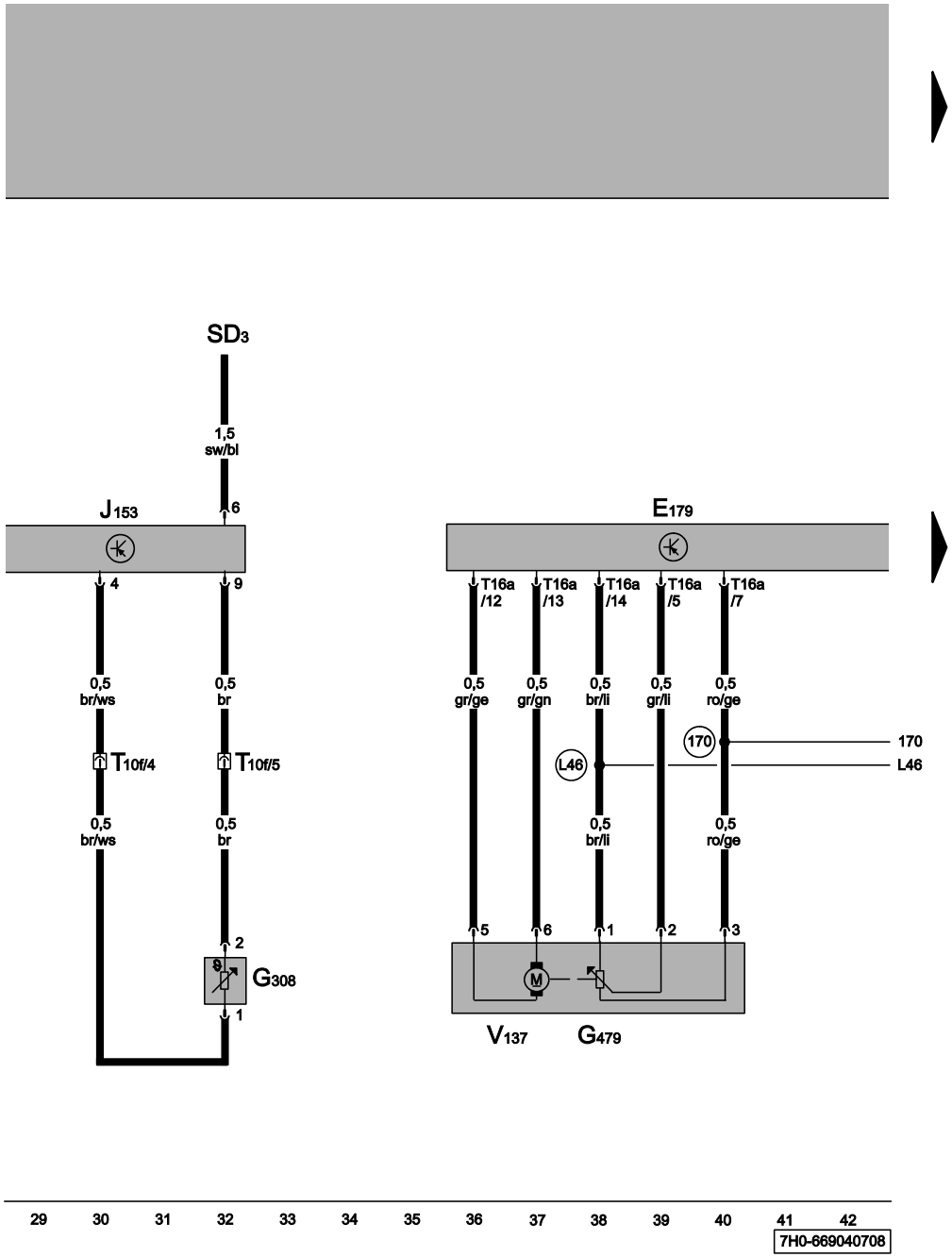
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for models without auxiliary coolant heater only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Magnetic clutch control unit, fresh air and air recirculation flap control motor, air conditioning system magnetic coupling, high-pressure sender, air conditioning system switch

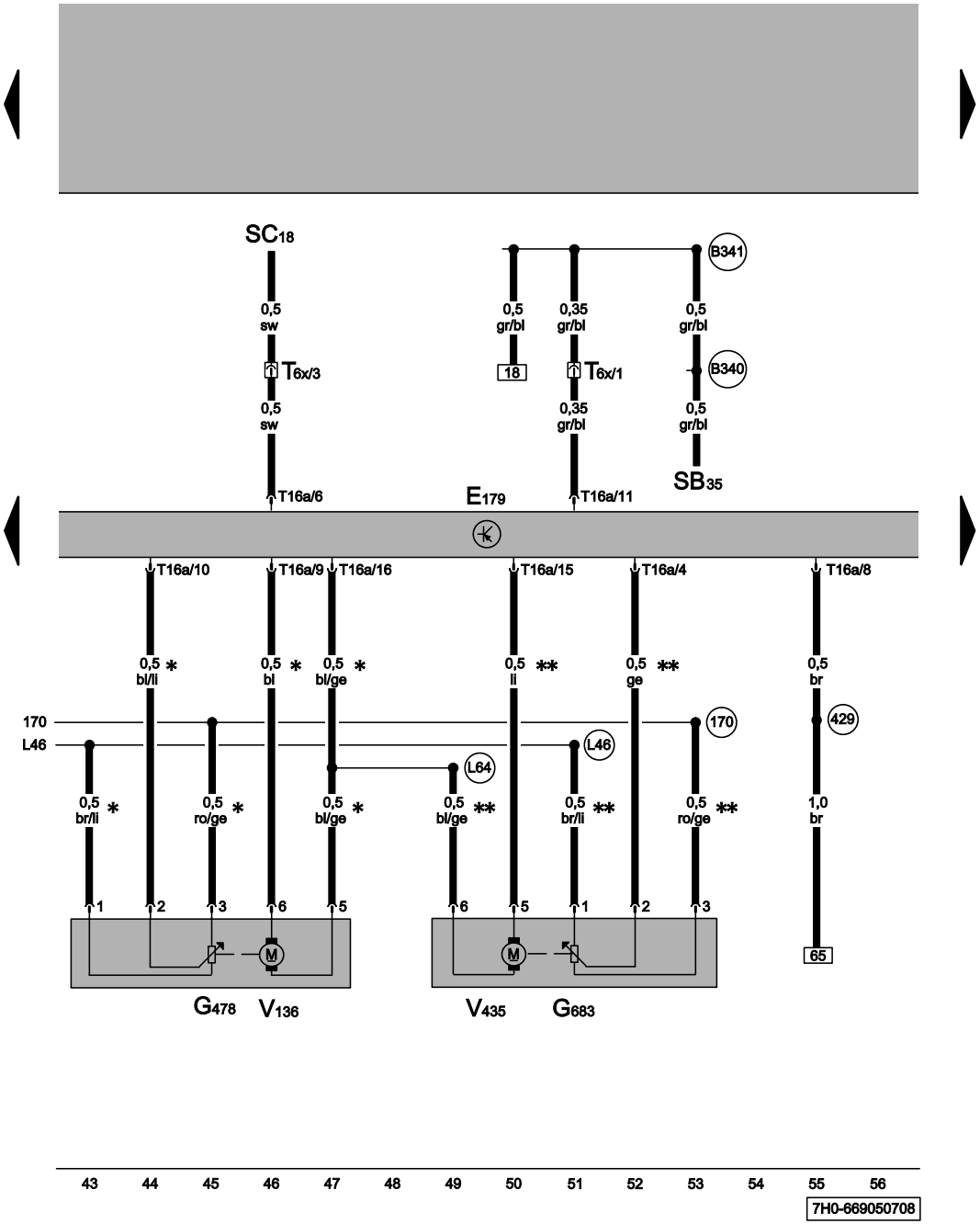
E30	Air conditioning system switch
G65	High pressure sender
J153	Magnetic clutch control unit
J623	Engine control unit
N25	Air conditioning system magnetic coupling
SC22	Fuse 22 on fuse holder C
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T16b	16-pin connector, black
T60	60-pin connector
T94	94-pin connector
T121	121-pin connector
TV7	Terminal 31 wiring junction
V154	Fresh air/recirculated air flap control motor
12	Earth point, on left in engine compartment
132	Earth connection 3, in engine compartment wiring harness
L9	Connection 1, in air conditioning system wiring harness
L10	Connection 2, in air conditioning system wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only



Evaporator temperature sensor, potentiometer for rear temperature flap motor, magnetic clutch control unit, rear fresh air blower switch

E179	Rear fresh air blower switch
G308	Evaporator temperature sensor
G479	Potentiometer for rear temperature flap motor
J153	Magnetic clutch control unit
SD3	Fuse 3 on fuse holder D
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T16a	16-pin connector, black
V137	Rear temperature flap control motor
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness

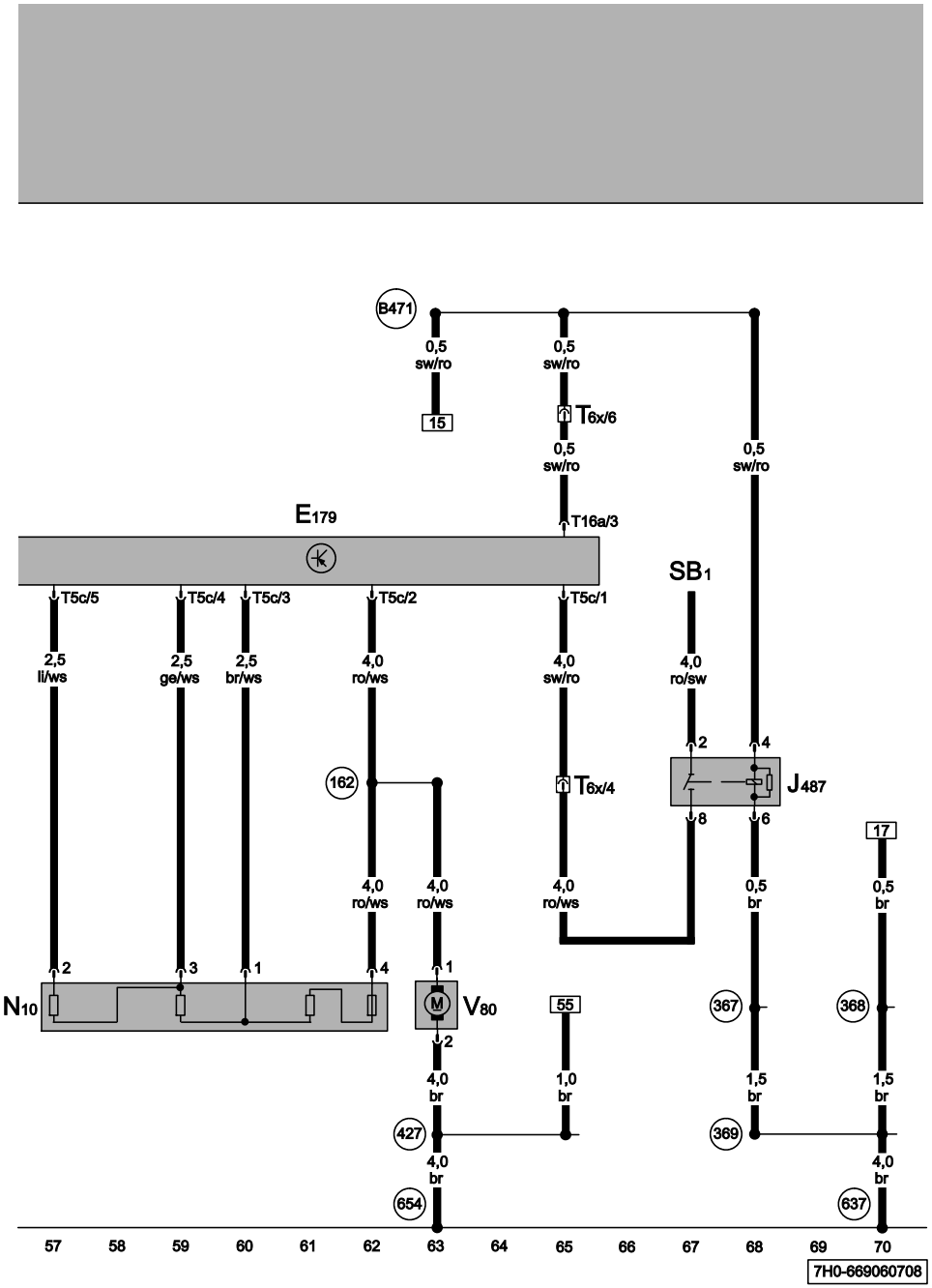
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Potentiometer for rear air distribution control motor, potentiometer for rear air distribution control motor 2, rear fresh air blower switch

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G683	Potentiometer for rear air distribution control motor 2
SB35	Fuse 35 on fuse holder B
SC18	Fuse 18 on fuse holder C
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V435	Rear air distribution control motor 2
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
429	Earth connection 4, in right rear end wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
L64	Connection (control motor), in rear Climatronic wiring harness
*	for models with rear air distribution control motor only
**	for models with side window vent only (6CE)



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower, series resistor for rear fresh air blower, fresh air blower isolation relay, rear fresh air blower switch

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
427	Earth connection 3, in right rear end wiring harness
637	Earth point, airbag control unit
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness

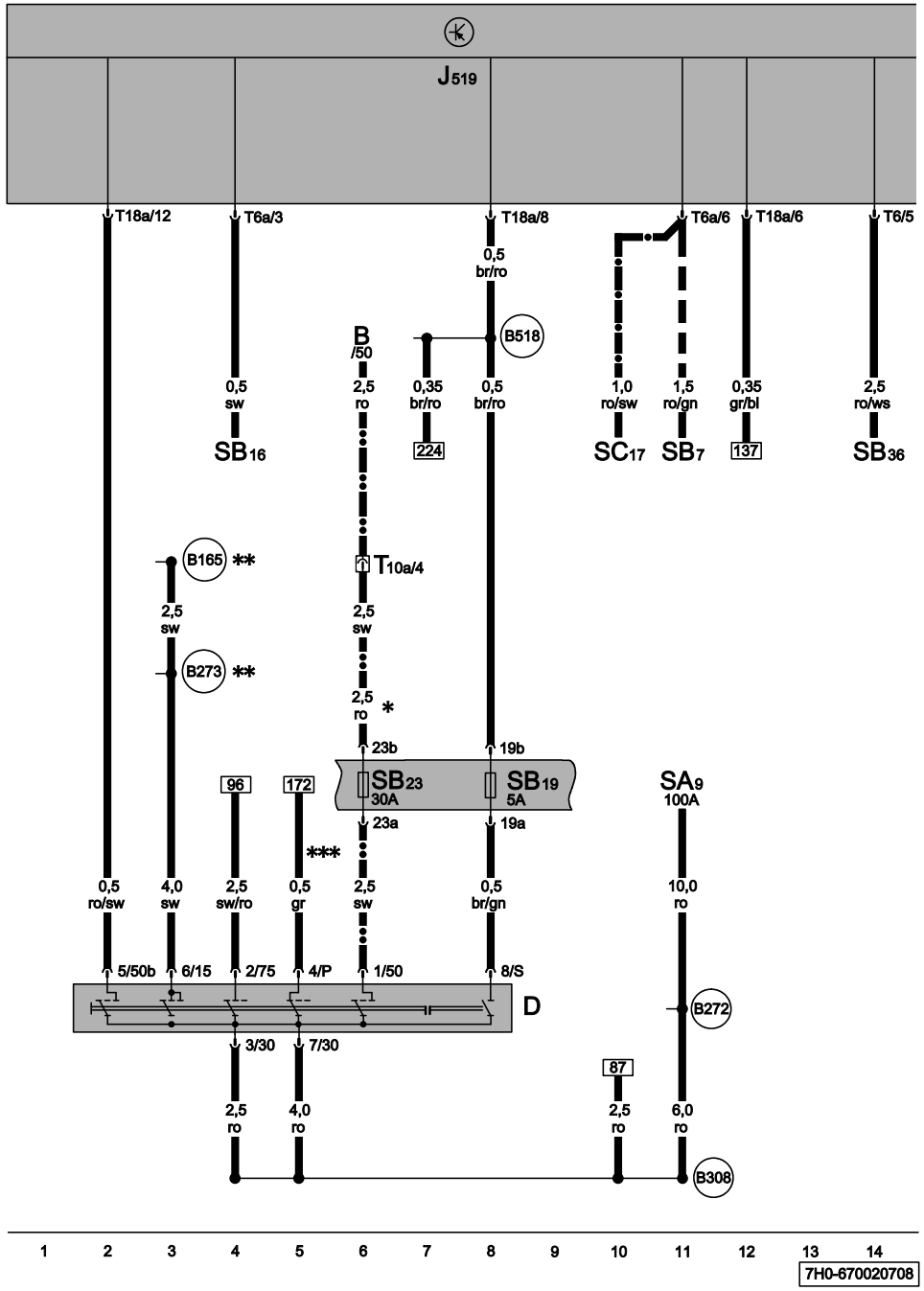
Basic equipment

⇒ **Cruise control system**
⇒ **Multifunction display**
⇒ **Extended servicing intervals**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

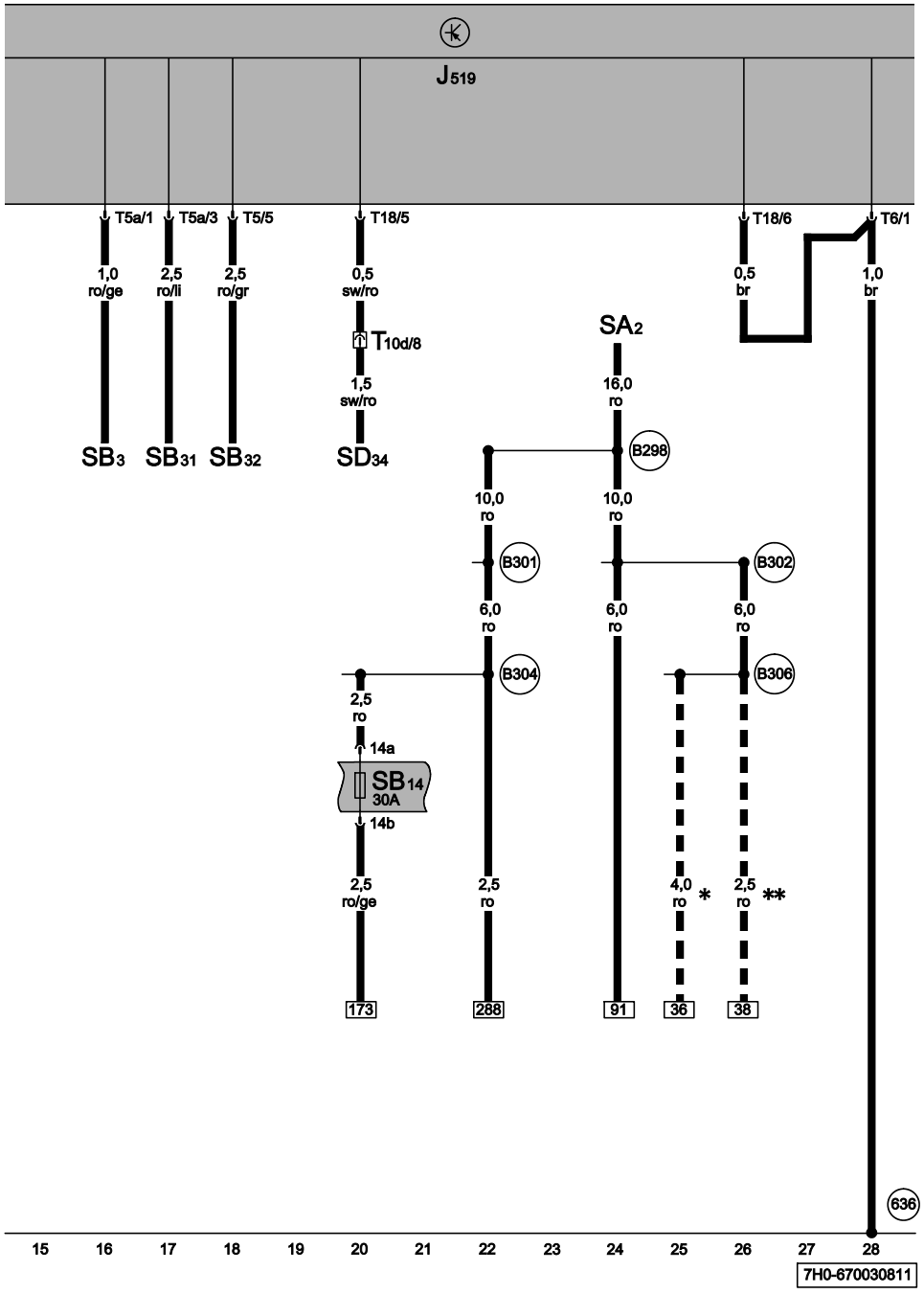
⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



Onboard power supply control unit, ignition/starter switch, fuses

B	Starter
D	Ignition/starter switch
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SB7	Fuse 7 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB19	Fuse 19 on fuse holder B
SB23	Fuse 23 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B165	Positive connection 2 (15), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B273	Positive connection (15), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
B518	Connection (86s), in main wiring harness
*	applicable from November 2007
**	⇒ Fuse concept 2 Current Flow Diagram
***	for models without day driving light only
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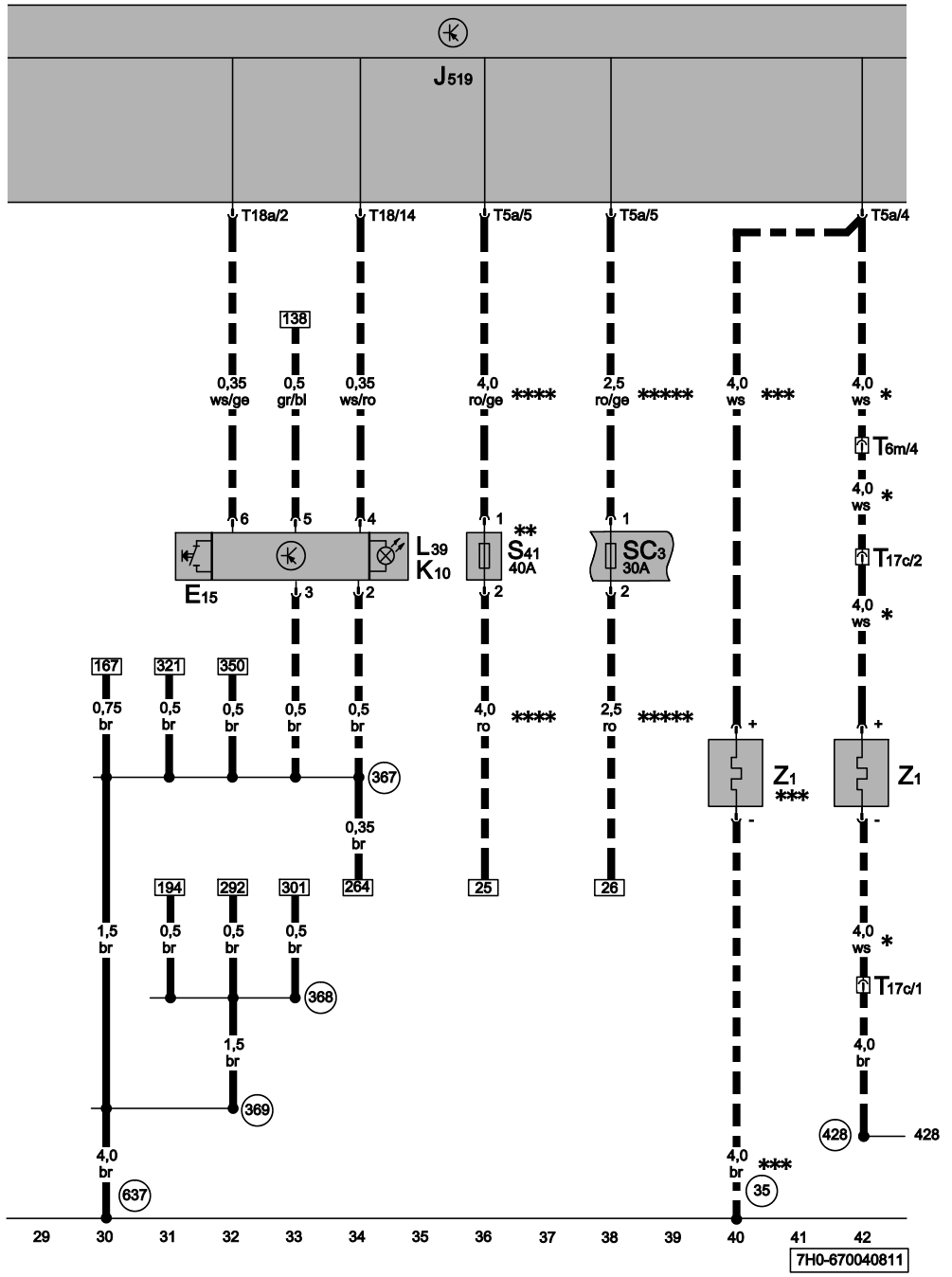
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, fuses

J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB3	Fuse 3 on fuse holder B
SB14	Fuse 14 on fuse holder B
SB31	Fuse 31 on fuse holder B
SB32	Fuse 32 on fuse holder B
SD34	Fuse 34 on fuse holder D
T5	5-pin connector, black
T5a	5-pin connector, brown
T6	6-pin connector, black
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
636	Earth point, onboard supply control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B306	Positive connection 10 (30), in main wiring harness
*	applicable up to October 2008
**	applicable from November 2008

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for models with heated rear window only

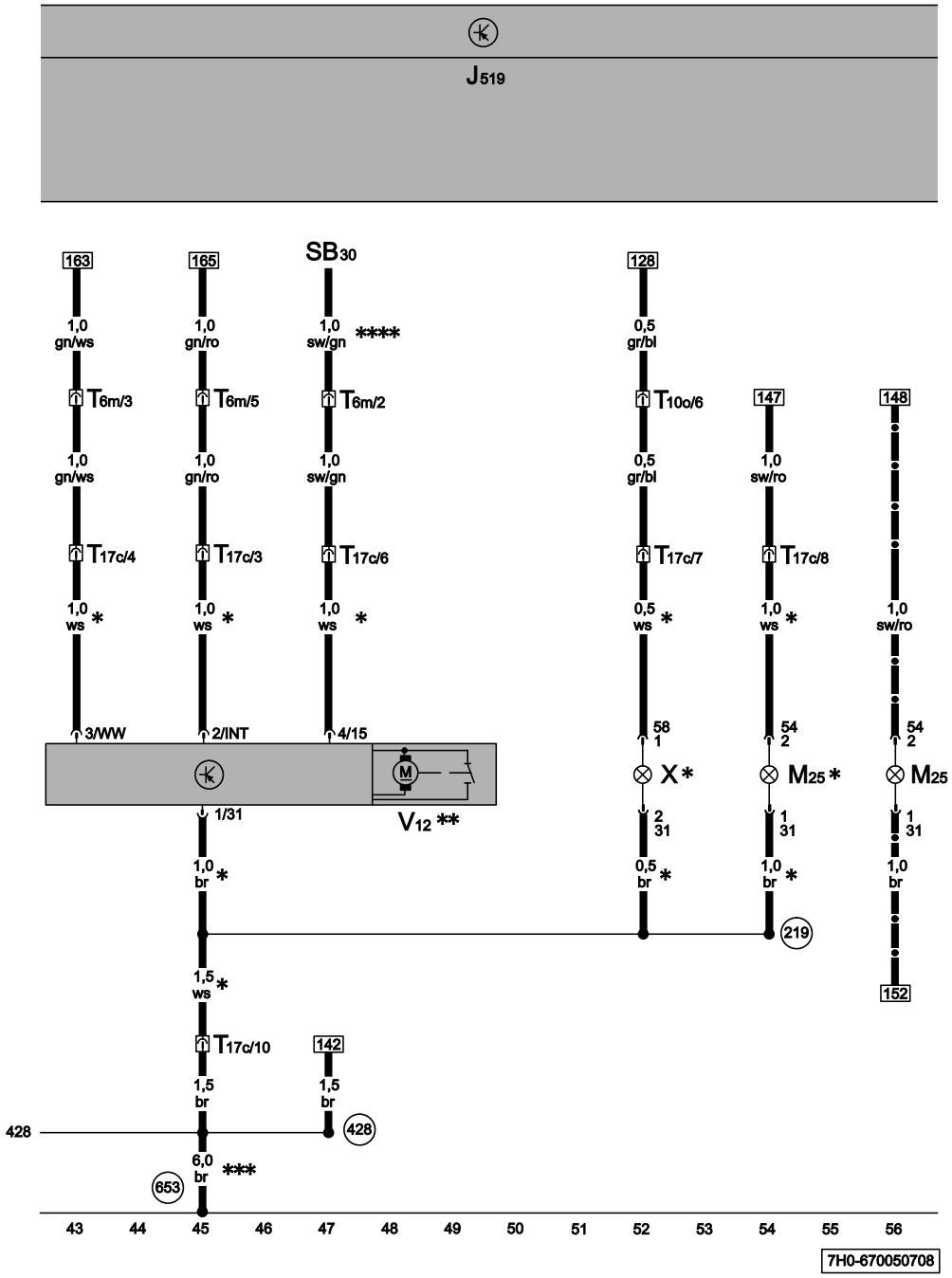


ws = white

Onboard supply control unit, heated rear window switch, heated rear window, heated rear window single fuse

E15	Heated rear window switch
J519	Onboard supply control unit
K10	Heated rear window warning lamp
L39	Heated rear window switch illumination bulb
S41	Heated rear window fuse
SC3	Fuse 3 on fuse holder C
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18	18-pin connector, black
T18a	18-pin connector, brown
Z1	Heated rear window
35	Earth point, under front passenger seat
367	Earth connection 2, in main wiring harness
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
428	Earth connection 4, in left rear end wiring harness
637	Earth point, airbag control unit
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	on relay carrier (1) cockpit ⇒ Fitting Locations
***	for models with driver-/ double cab only
****	applicable up to October 2008
*****	applicable from November 2008
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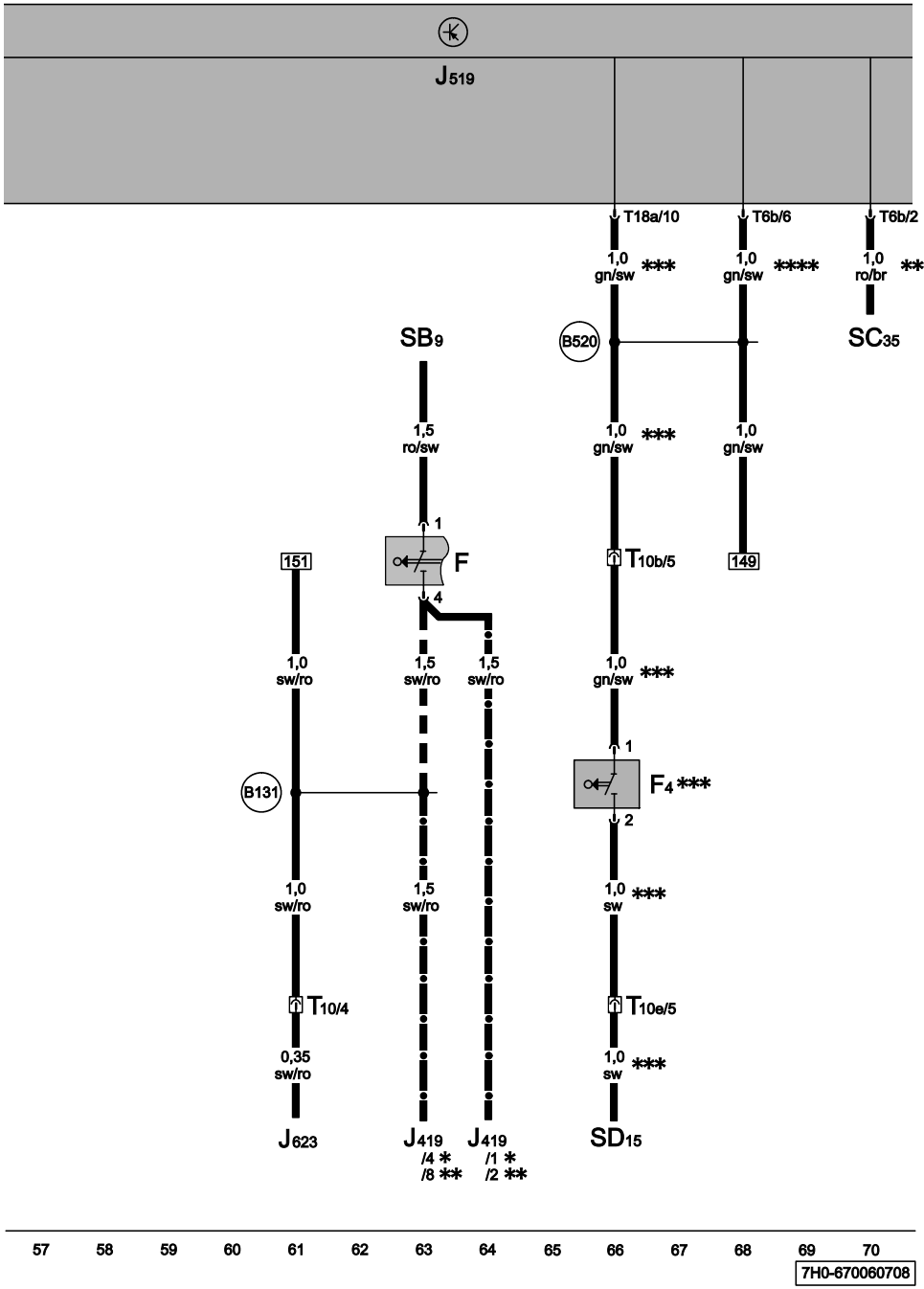
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ws = white
sw = black
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br = brown
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rs = pink

Onboard supply control unit, rear window wiper motor, number plate light, high level brake light bulb

J519	Onboard supply control unit
M25	High level brake light bulb
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
V12	Rear window wiper motor
X	Number plate light
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid only, models with wing door ⇒ Current Flow Diagram rear wing doors
**	for models with rear window wiper only
***	cross-section depends on equipment
****	for models without washer jets heater element only
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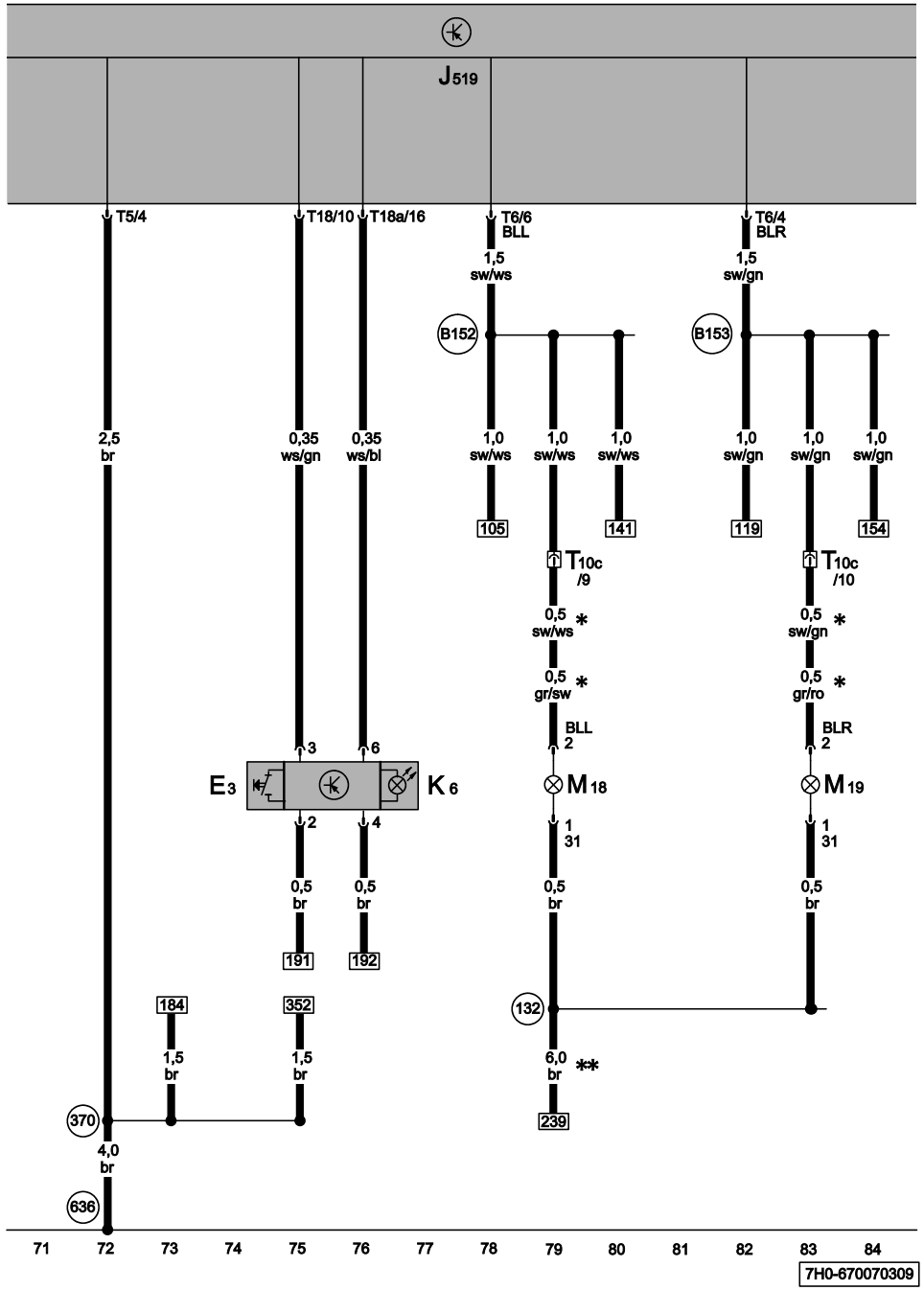
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Onboard power supply control unit, brake light switch, reversing light switch

F	Brake light switch
F4	Reversing light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J623	Engine control unit
SB9	Fuse 9 on fuse holder B
SC35	Fuse 35 on fuse holder C
SD15	Fuse 15 on fuse holder D
T6b	6-pin connector, red
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
B131	Connection (54), in interior wiring harness
B520	Connection (RL), in main wiring harness
*	only models with ESP and without serial trailer towing coupling
**	only models with ESP and serial trailer towing coupling
***	for models with manual gearbox only
****	for models with automatic gearbox only
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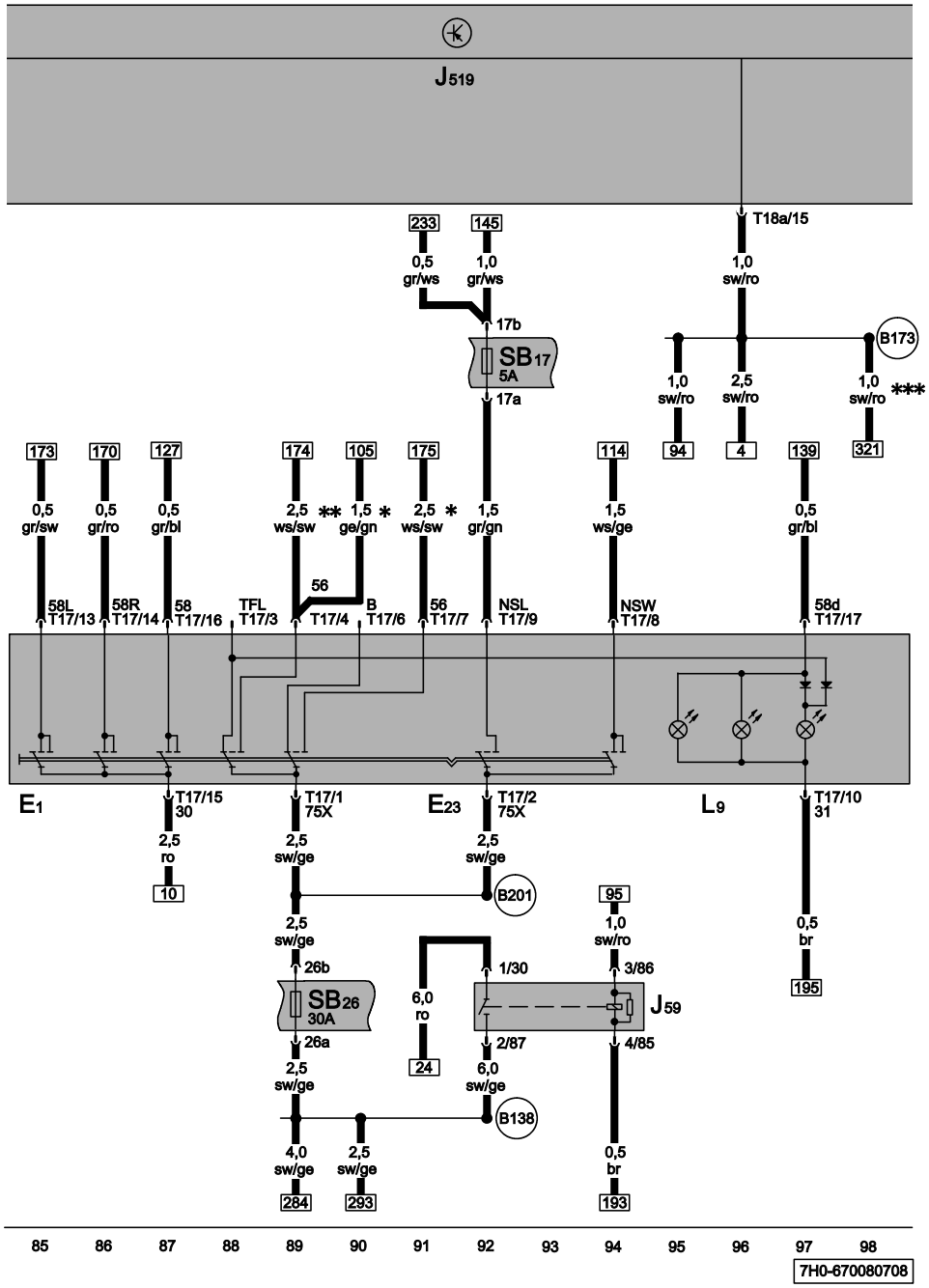
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ro = red
br = brown
gn = green
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or = orange
rs = pink

Onboard supply control unit, hazard warning light switch, left side mounted turn signal bulb, right side mounted turn signal bulb, hazard warning light system warning lamp

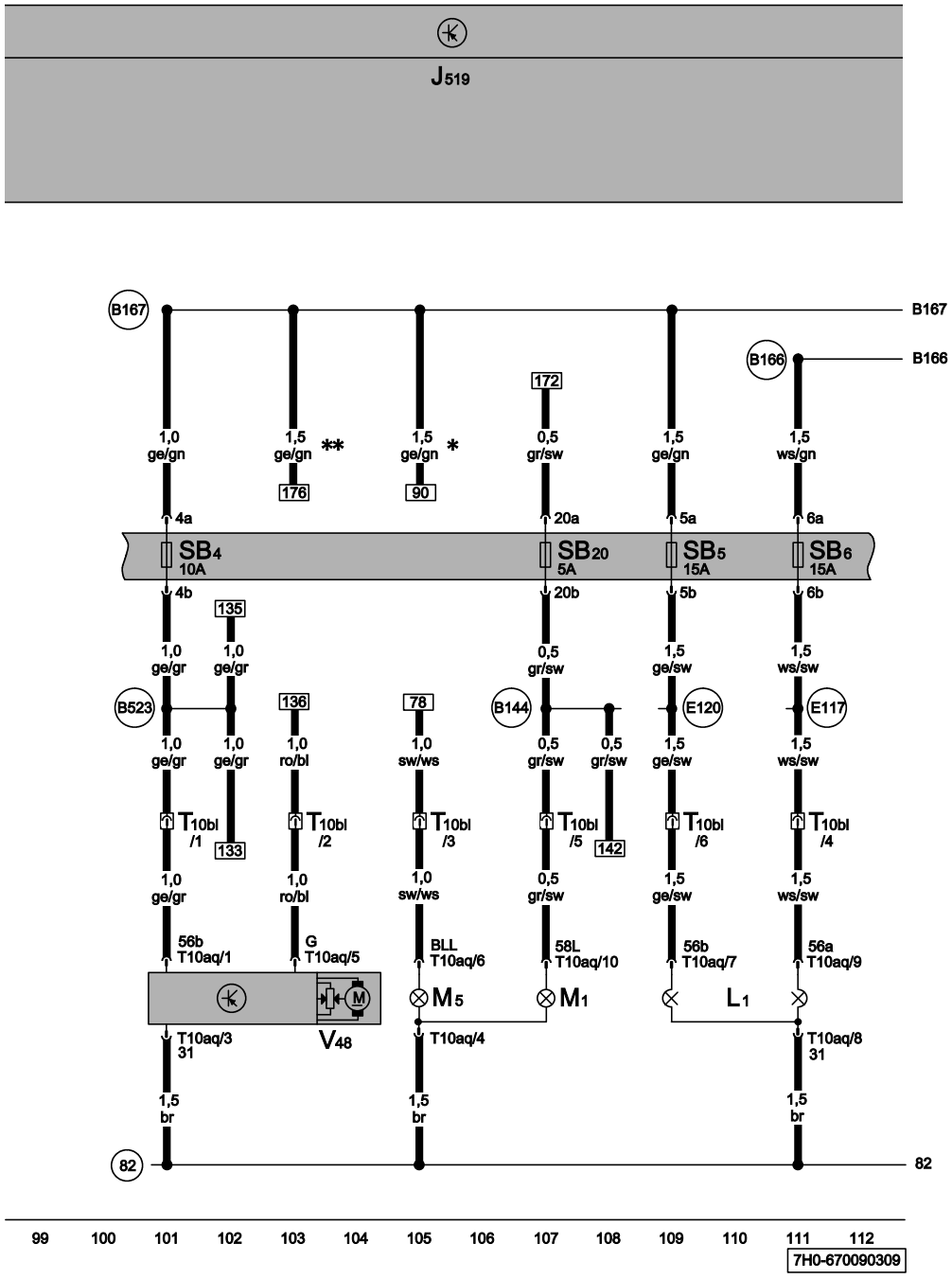
E3	Hazard warning light switch
J519	Onboard supply control unit
K6	Hazard warning light system warning lamp
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T5	5-pin connector, black
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T18a	18-pin connector, brown
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
636	Earth point, onboard supply control unit
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	depends on equipment
**	Cross-section 4.0 possible



Onboard supply control unit, X-contact relief relay, light switch, front and rear fog light switch, fuses

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SB17	Fuse 17 on fuse holder B
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
T18a	18-pin connector, brown
B138	Positive connection (X), in interior wiring harness
B173	Positive connection 2 (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only

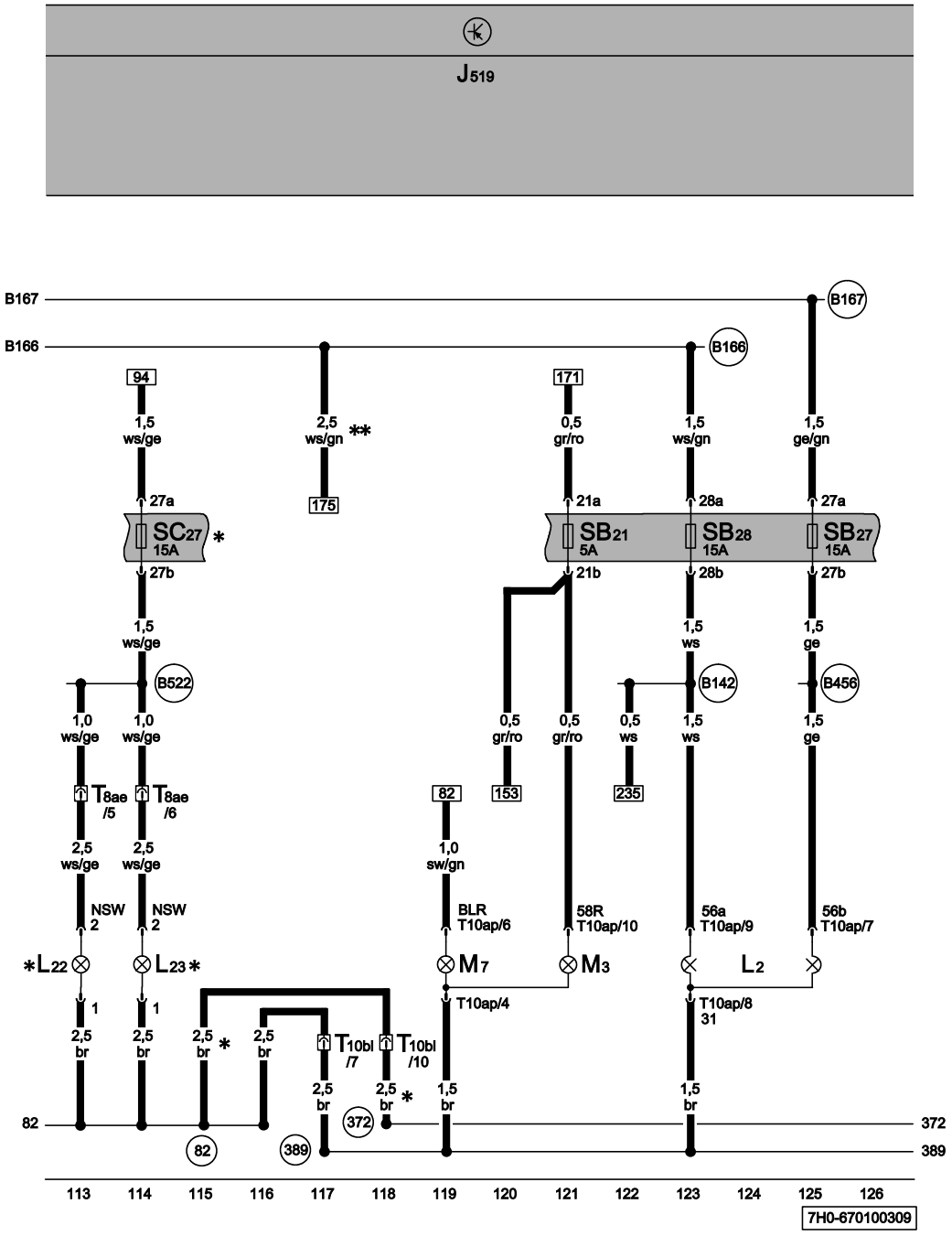
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
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ge = yellow
or = orange
rs = pink

Fuses, left headlight twin filament bulb, left headlight range control motor, side light bulb, front left turn signal bulb

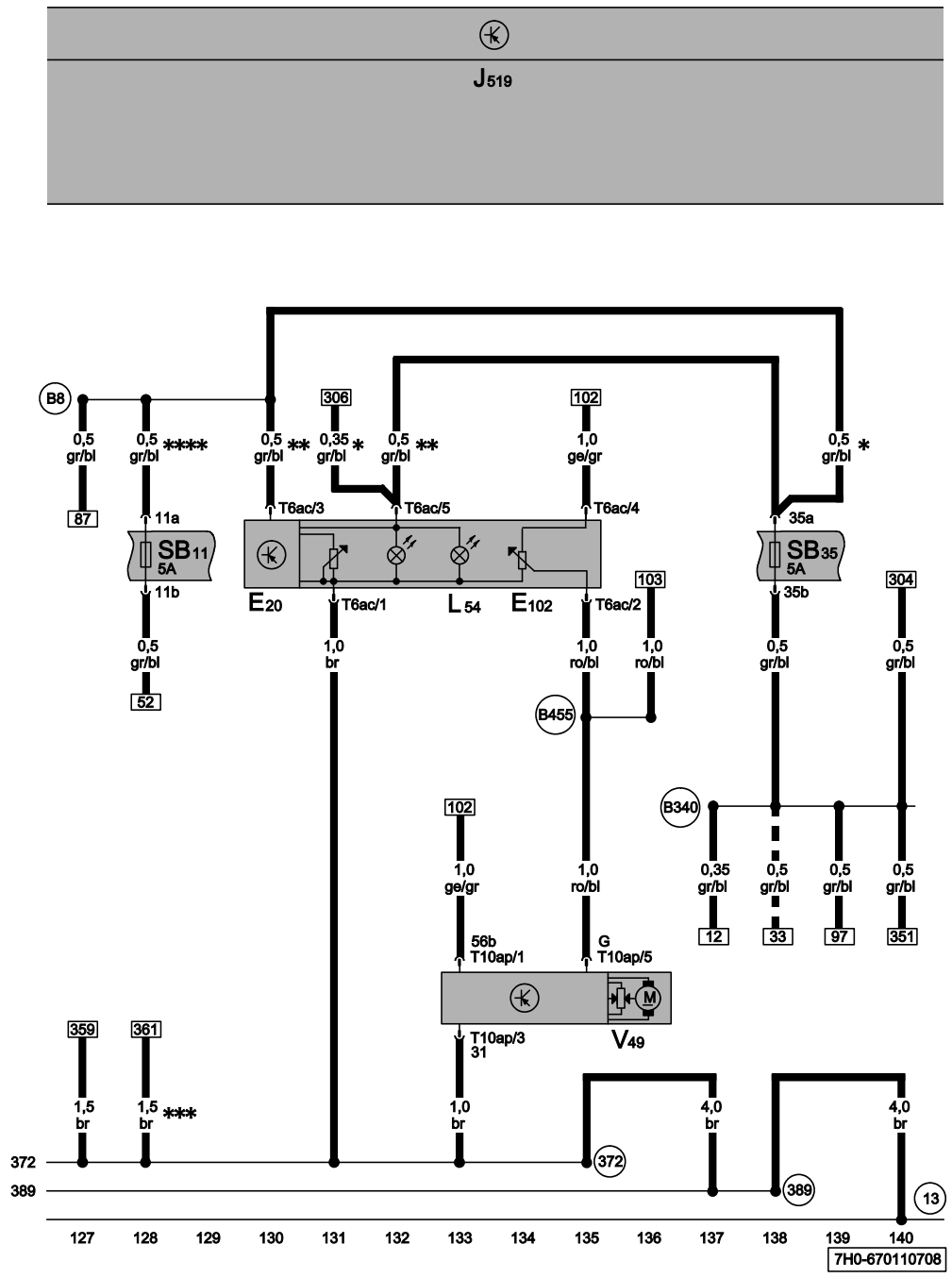
J519	Onboard supply control unit
L1	Left headlight twin filament bulb
M1	Left side light bulb
M5	Front left turn signal bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right headlight twin filament bulb, fog light bulb, right side light bulb, front right turn signal bulb

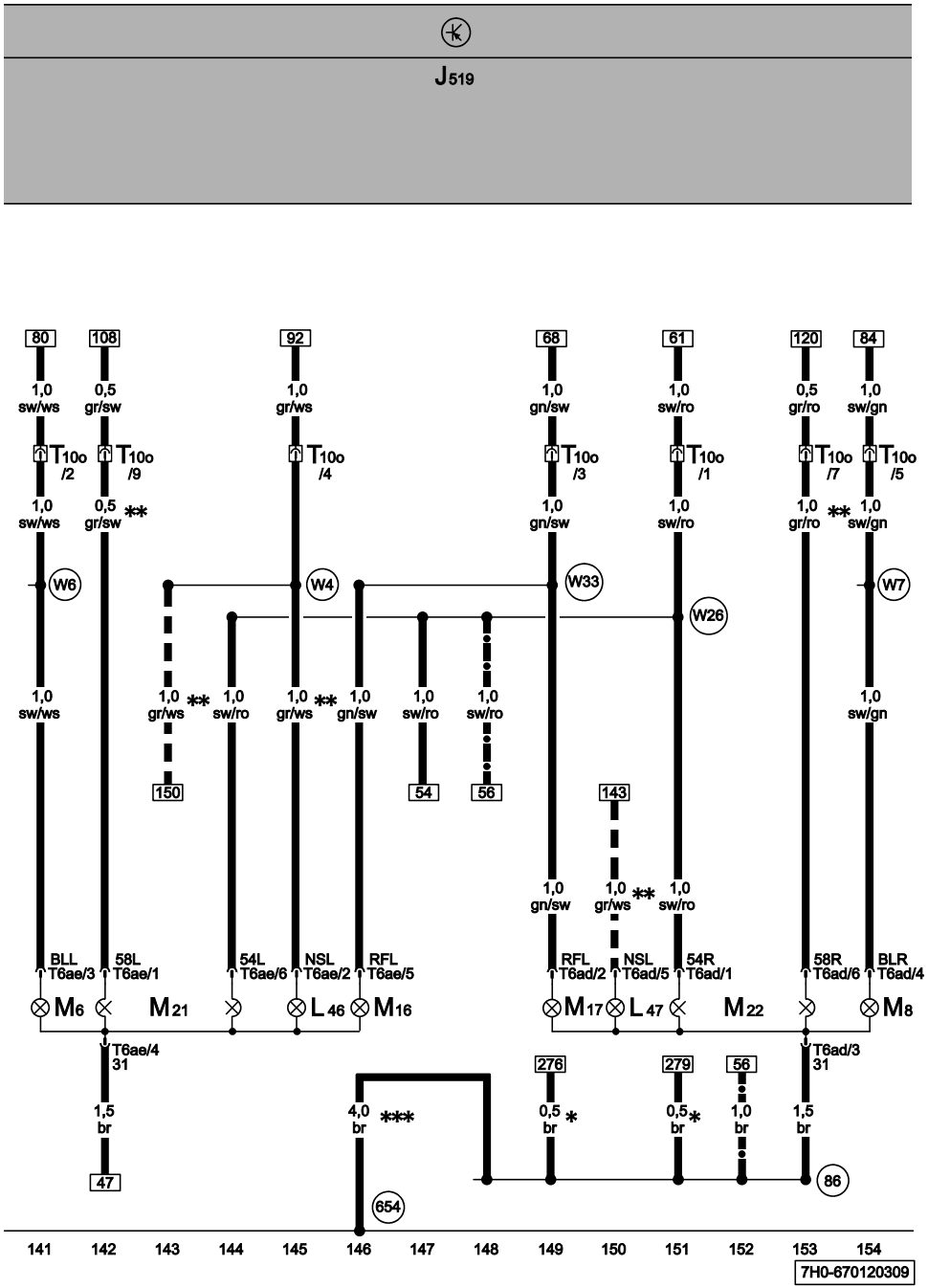
J519	Onboard supply control unit
L2	Right headlight twin filament bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
SB21	Fuse 21 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
SC27	Fuse 27 on fuse holder C
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
*	for models with front fog light only
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Headlight range control regulator, right headlight range control motor, illumination regulators - switches and instruments, fuses

E20	Switches and instruments illumination regulator
E102	Headlight range control regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB11	Fuse 11 on fuse holder B
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
*	for models without dimming instruments illumination only
**	for models with dimming instruments illumination only
***	for models with dual tone horn only
****	for models without day driving light only
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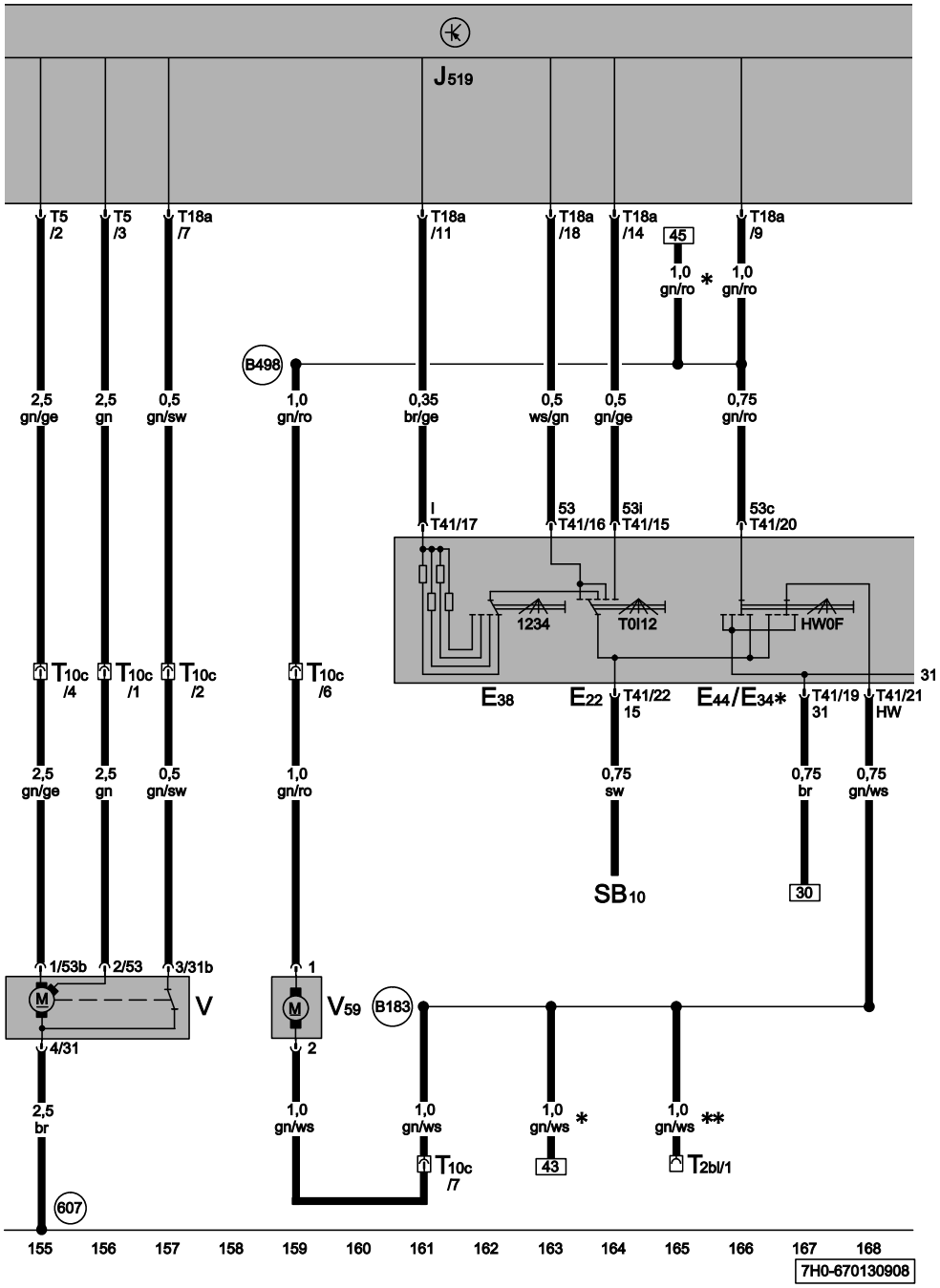
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Left brake and tail light bulb, right brake and tail light bulb, reversing light

J519	Onboard supply control unit
L46	Rear left fog light bulb
L47	Rear right fog light bulb
M6	Rear left turn signal bulb
M8	Rear right turn signal bulb
M16	Left reversing light bulb
M17	Right reversing light bulb
M21	Left brake and tail light bulb
M22	Right brake and tail light bulb
T6ad	6-pin connector
T6ae	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
W4	Connection 1 (rear fog lights), in rear wiring harness
W6	Connection (left turn signal) in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
W26	Positive connection (54), in tail light wiring harness
W33	Connection (reversing light), in rear lid wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without towing coupling only (1D0)
***	cross-section depends on equipment
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or	=	orange
rs	=	pink

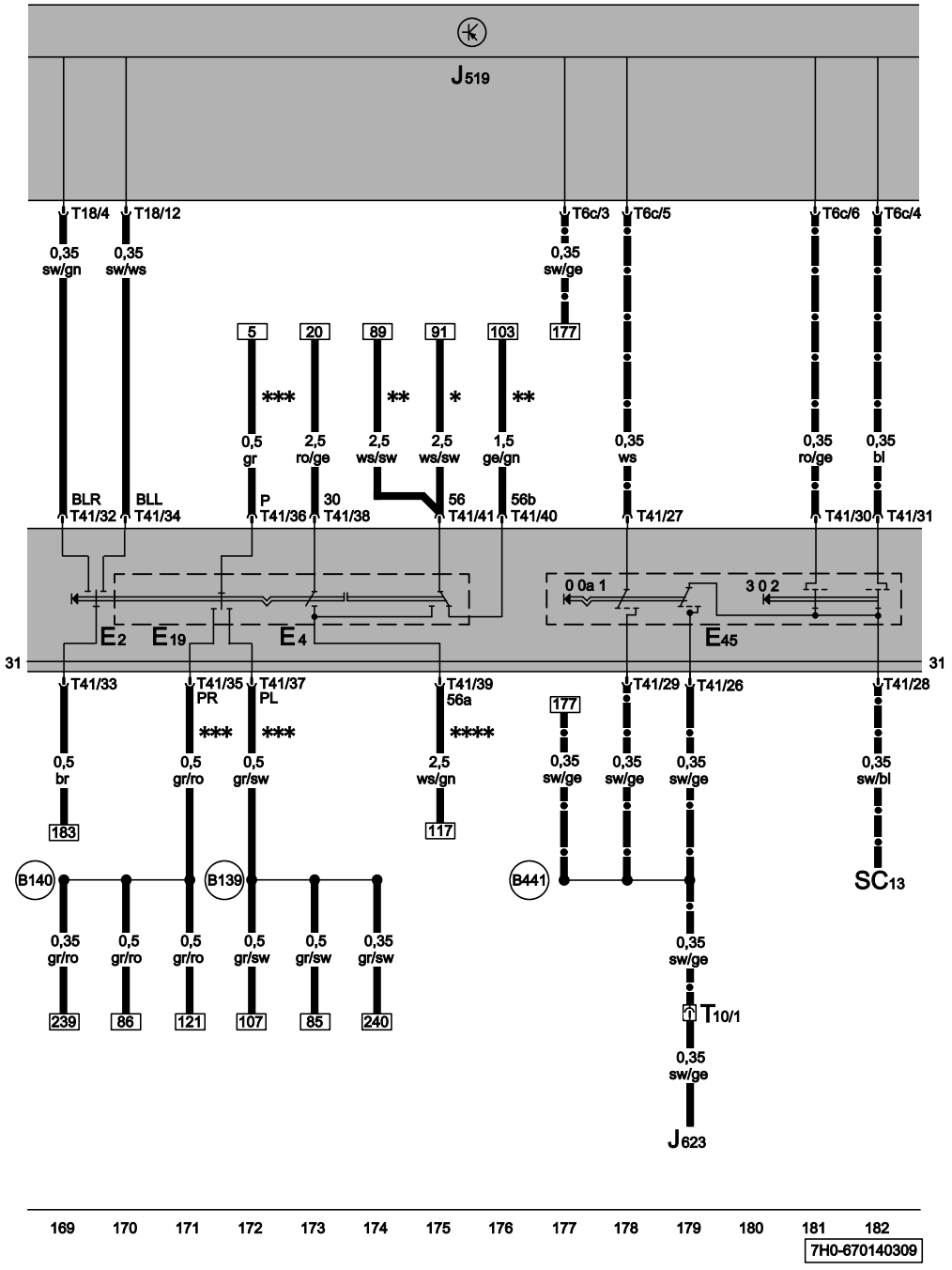
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Onboard power supply control unit, intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump

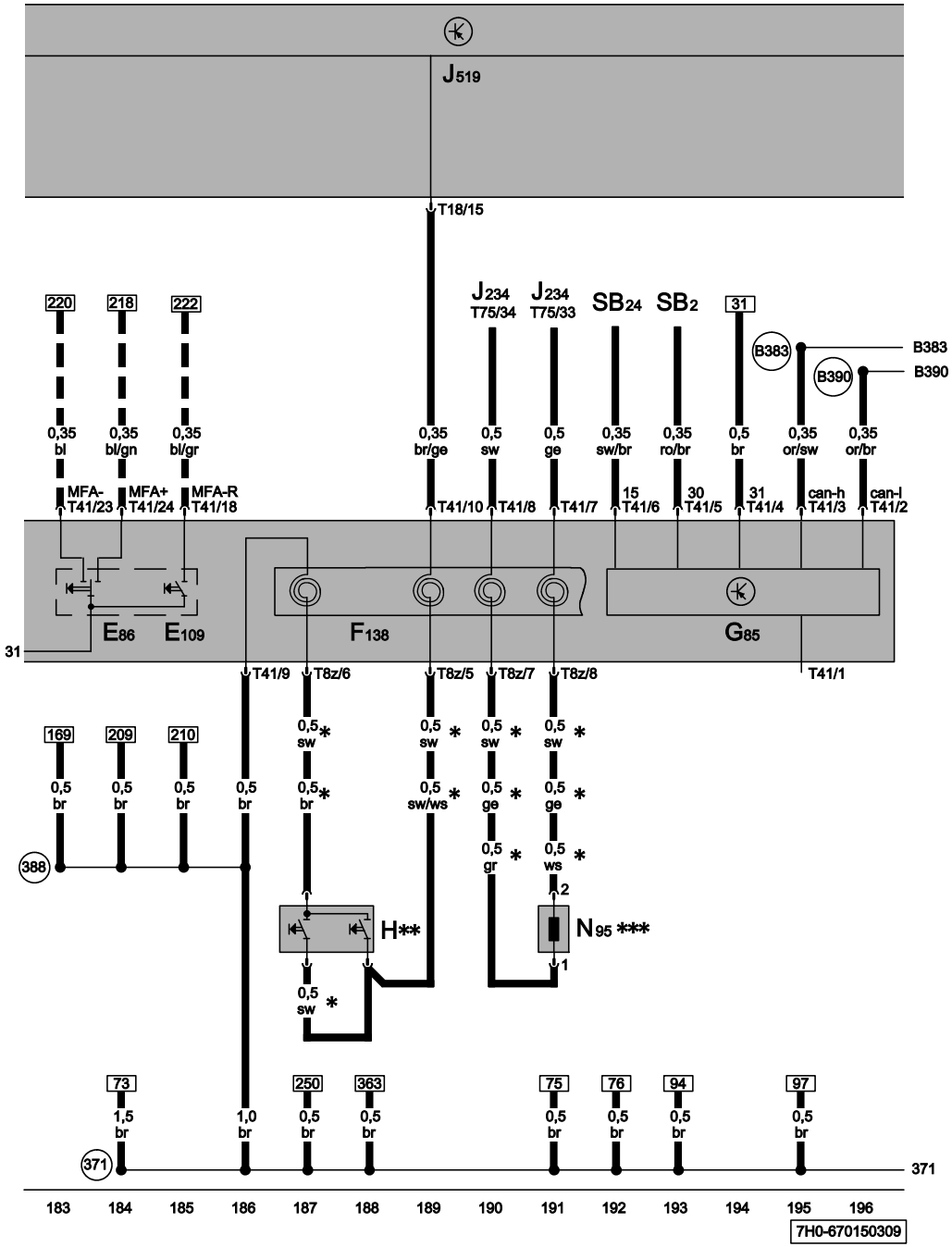
E22	Intermittent wiper switch
E34	Rear wiper switch
E38	Intermittent wiper regulator
E44	Washer pump switch (automatic wash/wipe and headlight washer system)
J519	Onboard supply control unit
SB10	Fuse 10 on fuse holder B
T2bl	2-pin connector, black, rear wiper warning lamp interface
T5	5-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T18a	18-pin connector, brown
T41	41-pin connector
V	Windscreen wiper motor
V59	Windscreen and rear window washer pump
607	Earth point, on left in plenum chamber
B183	Connection 1 (washer pump), in interior wiring harness
B498	Connection 1 (53c), in interior wiring harness
*	for models with rear window wiper only
**	for models with optimal equipment police (UF4) only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, cruise control system switch

E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
E45	Cruise control system switch
J519	Onboard supply control unit
J623	Engine control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B441	Connection (CCS), in main wiring harness
*	for multivan, business, caravelle and camper Comfortline only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for models without day driving light only
****	for models without taxi equipment only
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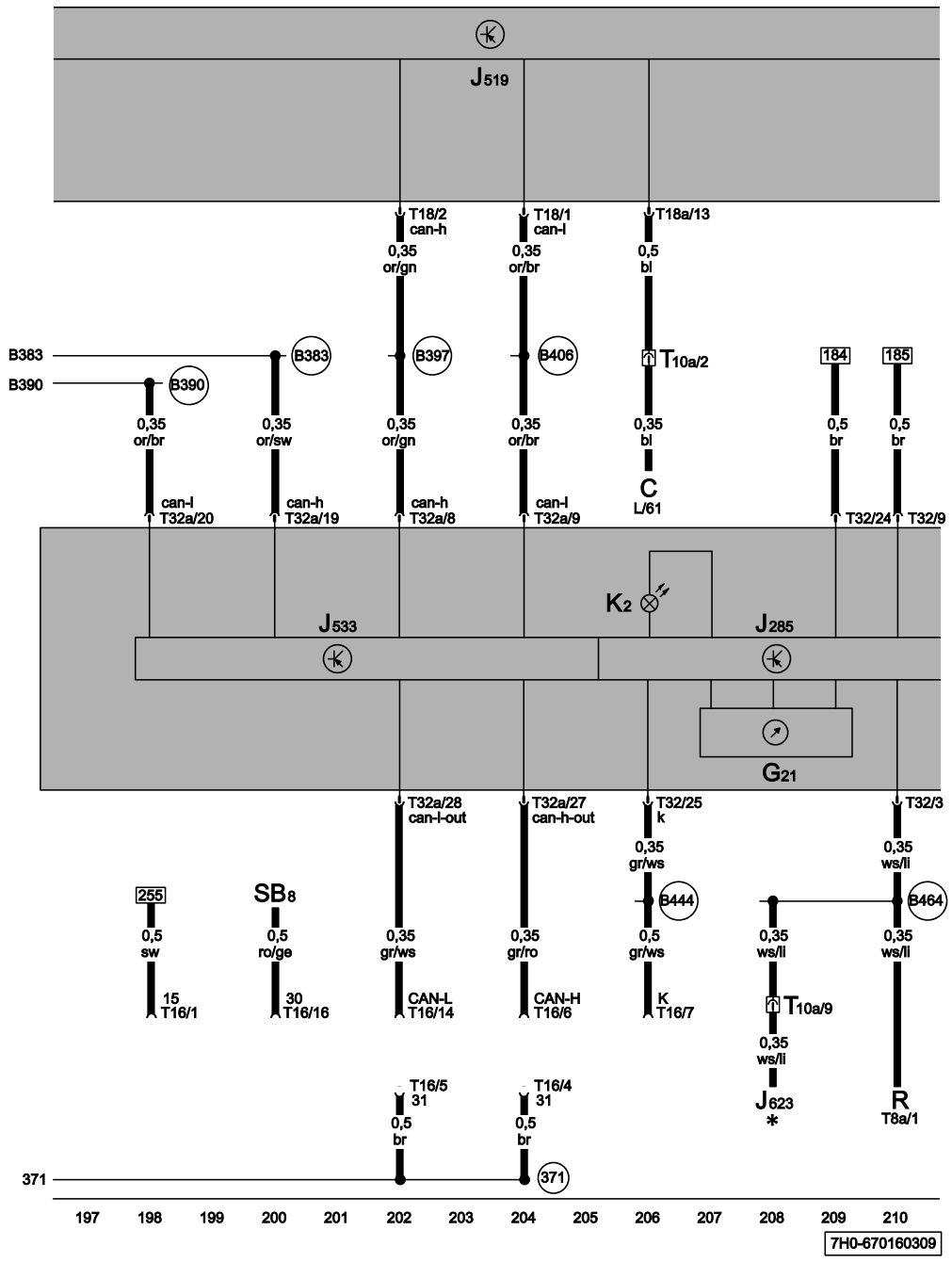
Onboard supply control unit, horn plate, driver side airbag igniter, airbag coil connector and return ring with slip ring, steering angle sender, multifunction display call-up button, multifunction display memory switch

E86	Multifunction display call-up button
E109	Multifunction display memory switch
F138	Airbag coil connector and return spring with slip ring
G85	Steering angle sender
H	Horn plate
J234	Airbag control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
SB2	Fuse 2 on fuse holder B
SB24	Fuse 24 on fuse holder B
T8z	8-pin connector, yellow, in steering wheel
T18	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
*	depends on equipment
**	for models without multifunction steering wheel only ⇒ Multifunction display Current Flow Diagram
***	for models without multifunction steering wheel only ⇒ Current Flow Diagram airbag
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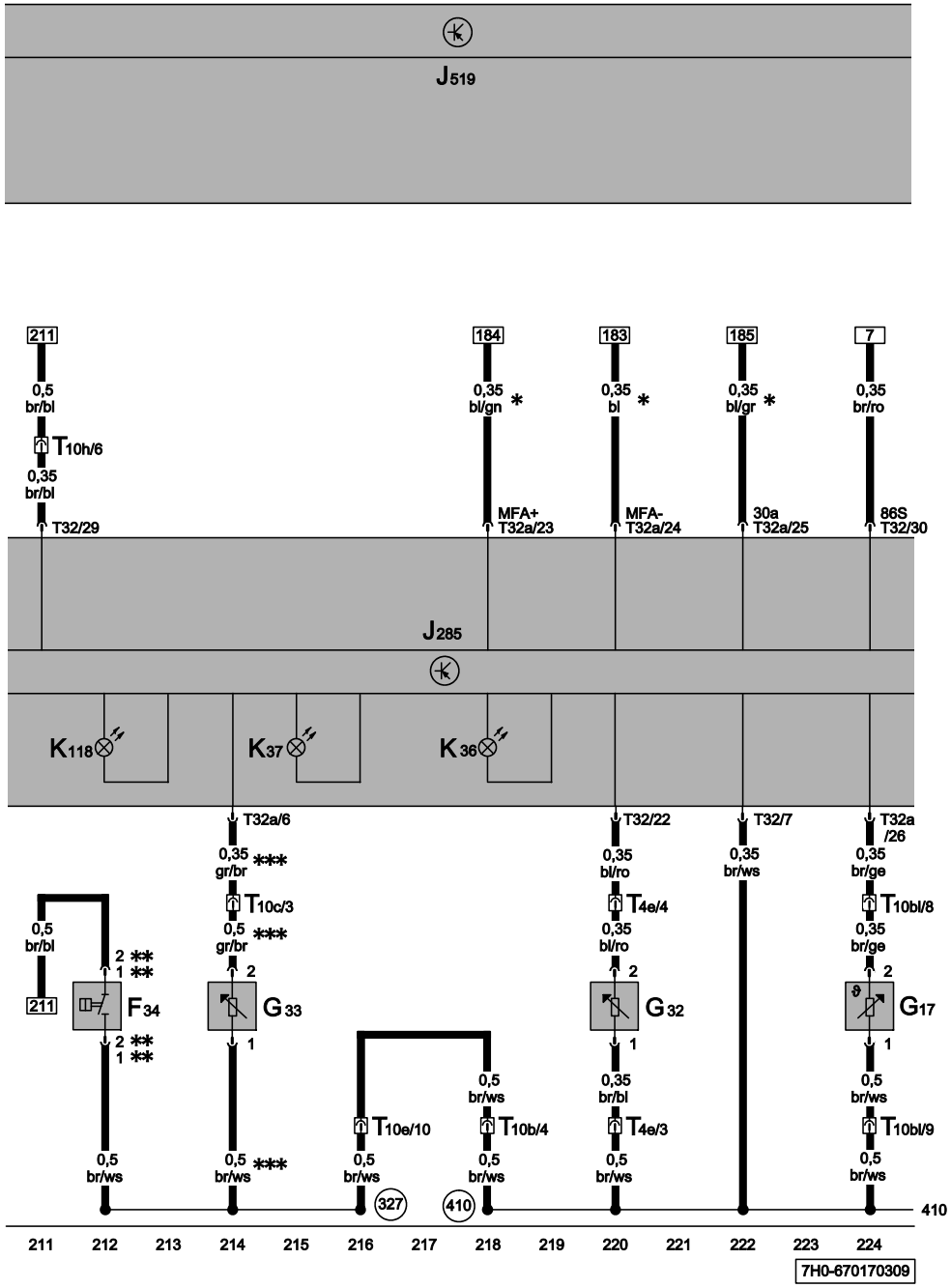
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rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, control unit in dash panel insert, diagnostic connector, data bus diagnostic interface, alternator, speedometer, alternator warning lamp

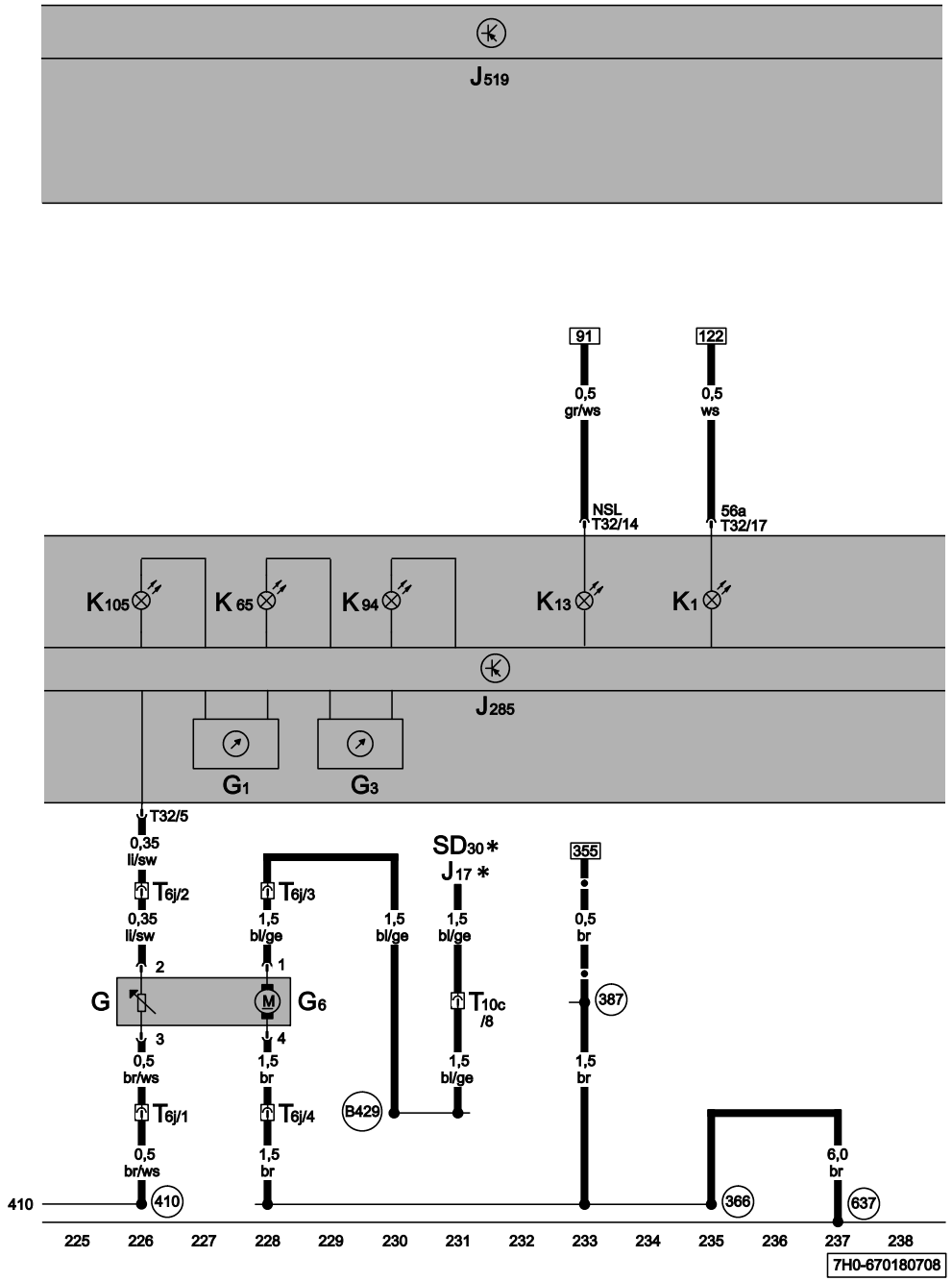
C	Alternator
G21	Speedometer
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
J623	Engine control unit
K2	Alternator warning lamp
R	Radio
SB8	Fuse 8 on fuse holder B
T8a	8-pin connector, black
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32a	32-pin connector, green
371	Earth connection 6, in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
B464	Connection (speed signal), in main wiring harness
*	⇒ Engine Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Dash panel insert, brake fluid level warning contact, coolant shortage indicator sender, warning lamps, ambient temperature sensor, windscreen washer fluid level sender

F34	Brake fluid level warning contact
G17	Ambient temperature sensor
G32	Coolant shortage indicator sender
G33	Windscreen washer fluid level sender
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K36	Coolant shortage warning lamp
K37	Washer fluid level warning lamp
K118	Brake system warning lamp
T4e	4-pin connector, black, near headlight, front right
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bl	10-pin connector, black, near front right headlight
T32	32-pin connector, blue
T32a	32-pin connector, green
327	Earth connection (sender earth), in engine compartment wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
*	for models with multifunction display only
**	depends on equipment
***	for models with windscreen washer fluid level sender only



Dash panel insert, fuel gauge, coolant temperature gauge, warning lamps, fuel pump, fuel gauge sender

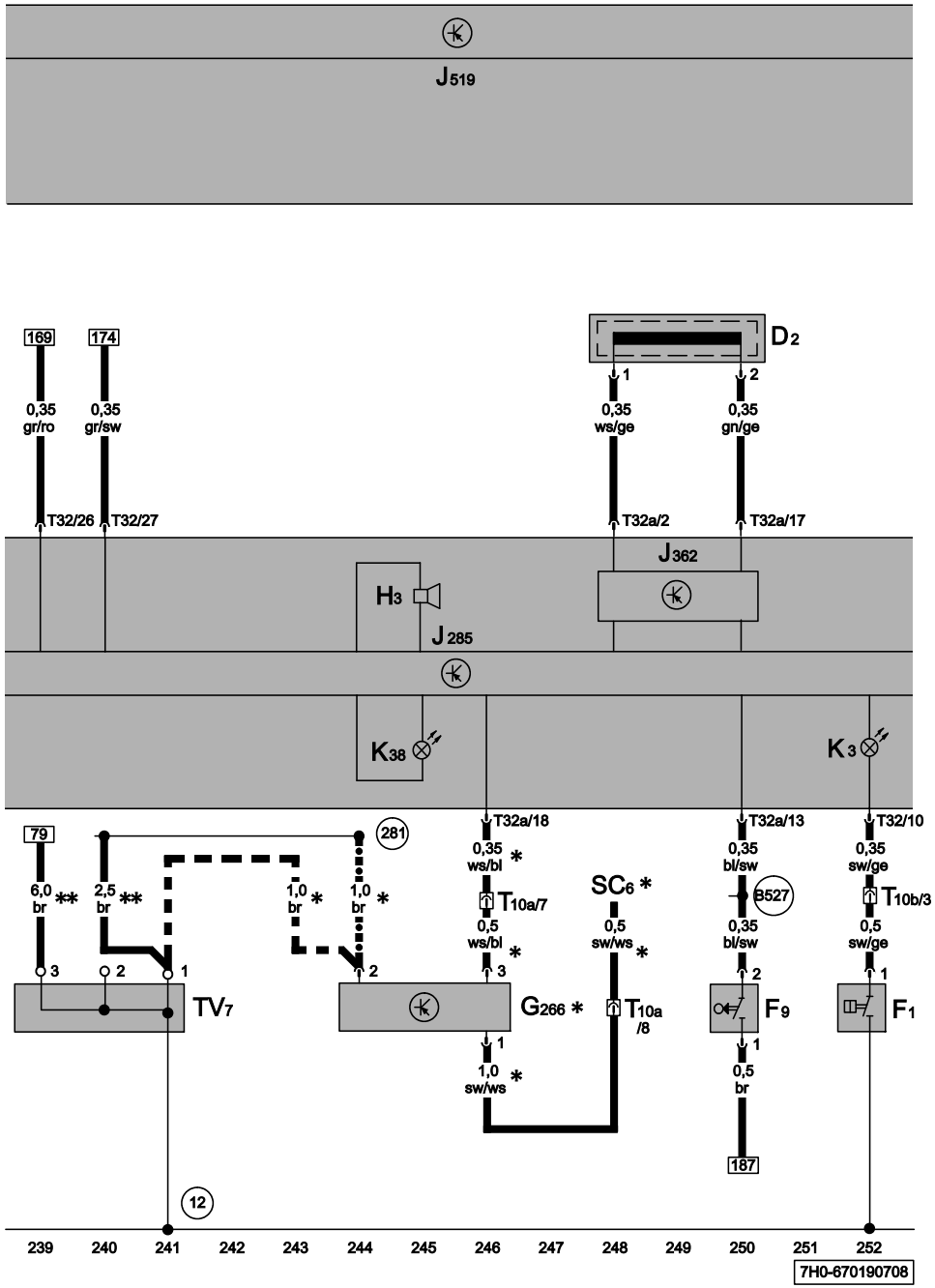
G	Fuel gauge sender
G1	Fuel gauge
G3	Coolant temperature gauge
G6	Fuel system pressurisation pump
J17	Fuel pump relay
J285	Control unit in dash panel insert
J519	Onboard supply control unit
K1	Main beam warning lamp
K13	Rear fog light warning lamp
K65	Left turn signal warning lamp
K94	Right turn signal warning lamp
K105	Reserve fuel warning lamp
SD30	Fuse 30 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
410	Earth connection 1 (sender earth), in main wiring harness
637	Earth point, airbag control unit
B429	Connection (EFPR), in main wiring harness
*	⇒ Engine Current Flow Diagram

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for models with multimedia bus for external audio source (9WL) only

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br	=	brown	
gn	=	green	
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white

Dash panel insert, warning lamps, oil pressure switch, oil level and oil temperature sender, handbrake warning switch, immobiliser reader coil, buzzer and gong

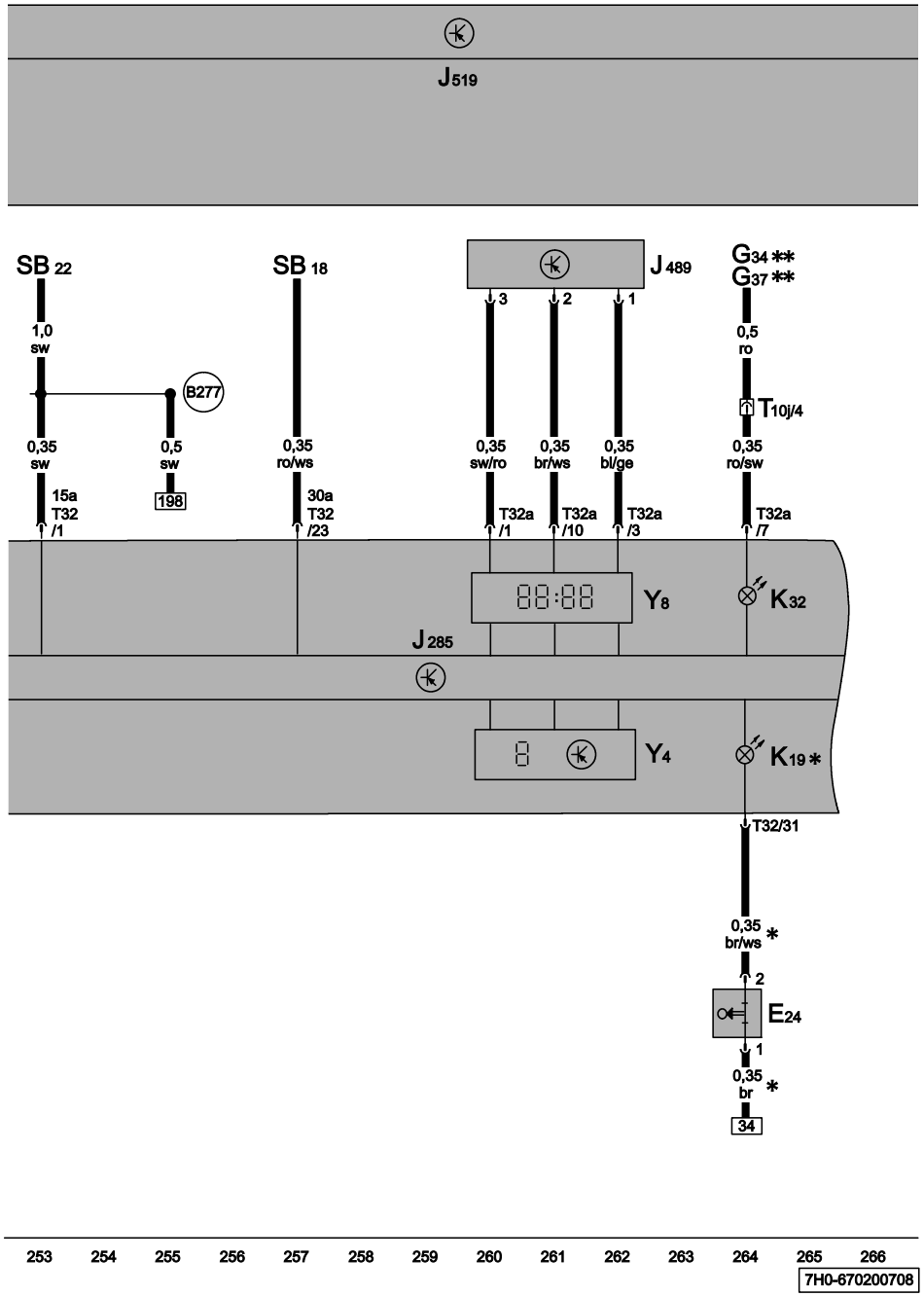
D2	Immobilizer reader coil
F1	Oil pressure switch
F9	Handbrake warning switch
G266	Oil level and oil temperature sender
H3	Buzzer and gong
J285	Control unit in dash panel insert
J362	Immobilizer control unit
J519	Onboard supply control unit
K3	Oil pressure warning lamp
K38	Oil level warning lamp
SC6	Fuse 6 on fuse holder C
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
TV7	Terminal 31 wiring junction
12	Earth point, on left in engine compartment
281	Earth connection 1, in engine harness
B527	Connection (handbrake), in main wiring harness
*	for models with extended servicing intervals only
**	Cross-section 4.0 possible

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for models with manual gearbox only

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for models with automatic gearbox only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

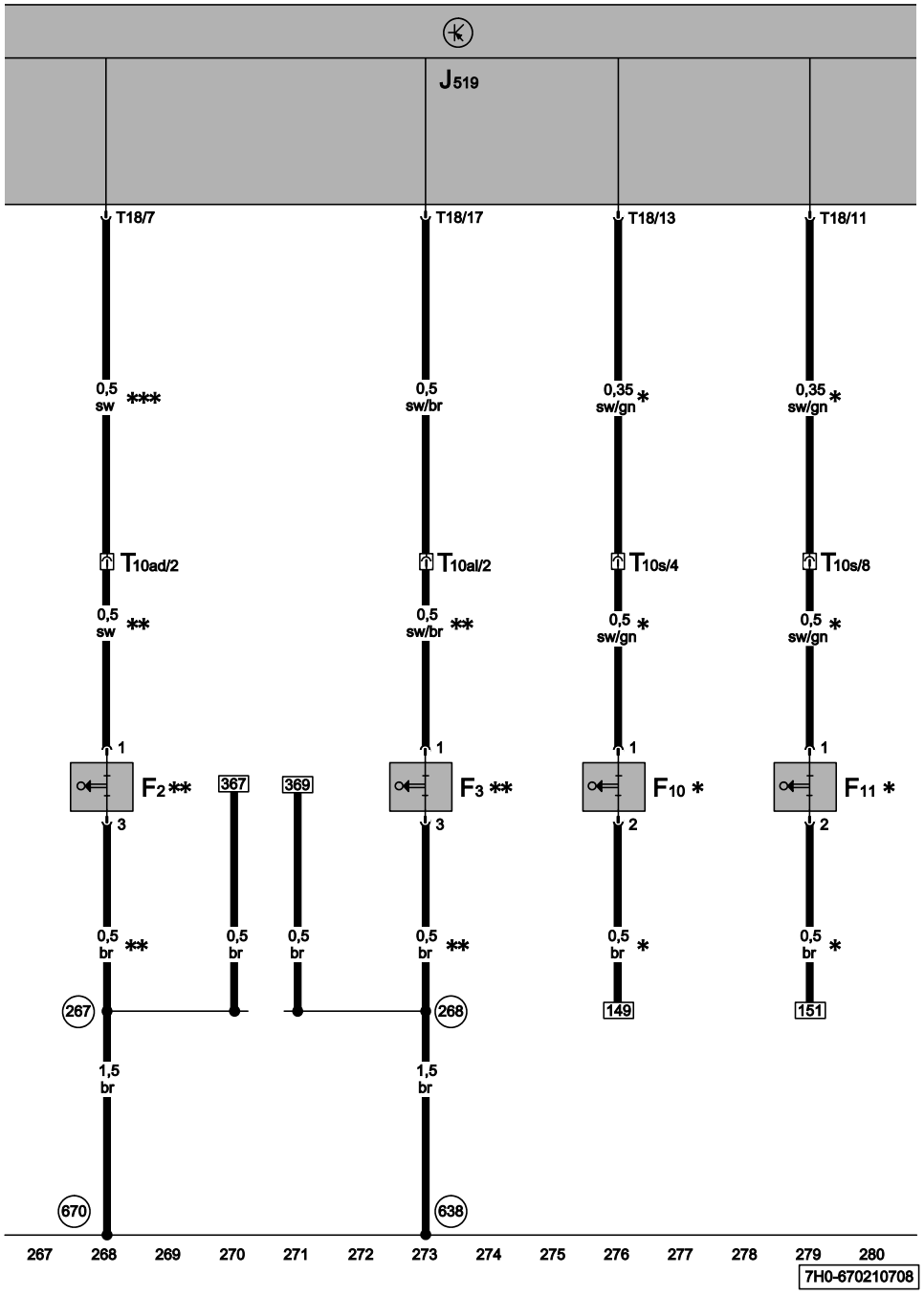
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Dash panel insert, seat belt warning system warning lamp, brake pad warning lamp, belt switch, brake pad wear sender, radio controlled clock

E24	Driver side belt switch
G34	Front left brake pad wear sender
G37	Rear right brake pad wear sender
J285	Control unit in dash panel insert
J489	Radio controlled clock receiver
J519	Onboard supply control unit
K19	Seat belt warning system warning lamp
K32	Brake pad warning lamp
SB18	Fuse 18 on fuse holder B
SB22	Fuse 22 on fuse holder B
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T32	32-pin connector, blue
T32a	32-pin connector, green
Y4	Odometer display
Y8	Radio controlled clock
B277	Positive connection 1 (15a), in main wiring harness
*	for models with belt switch only
**	⇒ ABS Current Flow Diagram

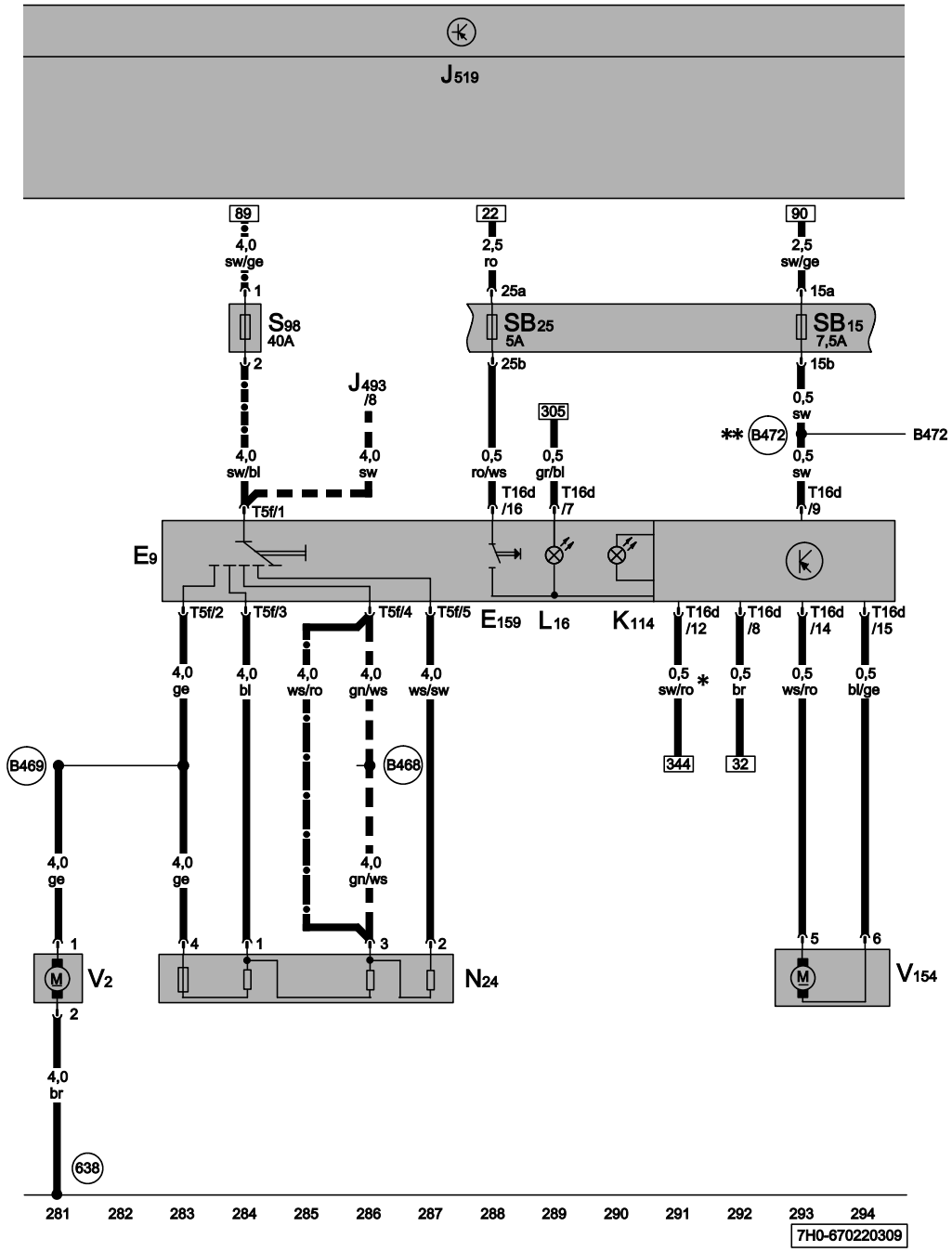
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
T10s	10-pin connector, brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
267	Earth connection 2, in driver door wiring harness
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
670	Earth point 2, left A-pillar
*	for models with mechanical sliding door and without anti-theft alarm system only
**	for models without central locking only
***	for models without taxi equipment only, from November 2007 for all levels of equipment



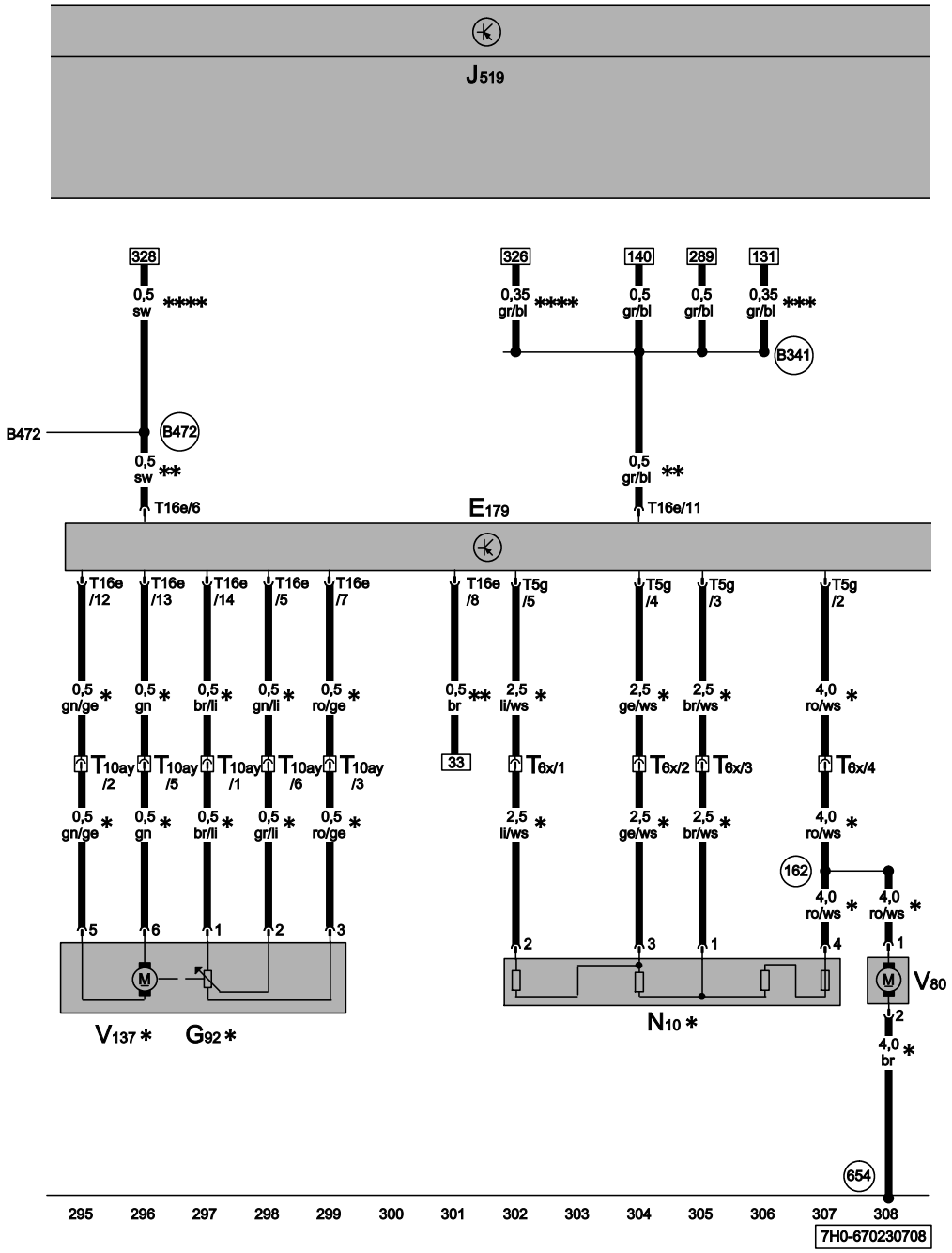
ws = white

Fuses, fresh air blower switch, fresh air and air recirculation flap switch, fresh air blower, fresh air blower series resistor with overheating fuse, fresh air and air recirculation flap control motor

E9	Fresh air blower switch
E159	Fresh air/air recirculation flap switch
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
K114	Fresh air and air recirculation warning lamp
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
S98	Fresh air blower fuse 2
SB15	Fuse 15 on fuse holder B
SB25	Fuse 25 on fuse holder B
T5f	5-pin connector
T16d	16-pin connector, black
V2	Fresh air blower
V154	Fresh air/recirculated air flap control motor
638	Earth point, right A-pillar
B468	Connection 4 in main wiring harness
B469	Connection 5 in main wiring harness
B472	Connection 8 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	depends on equipment
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

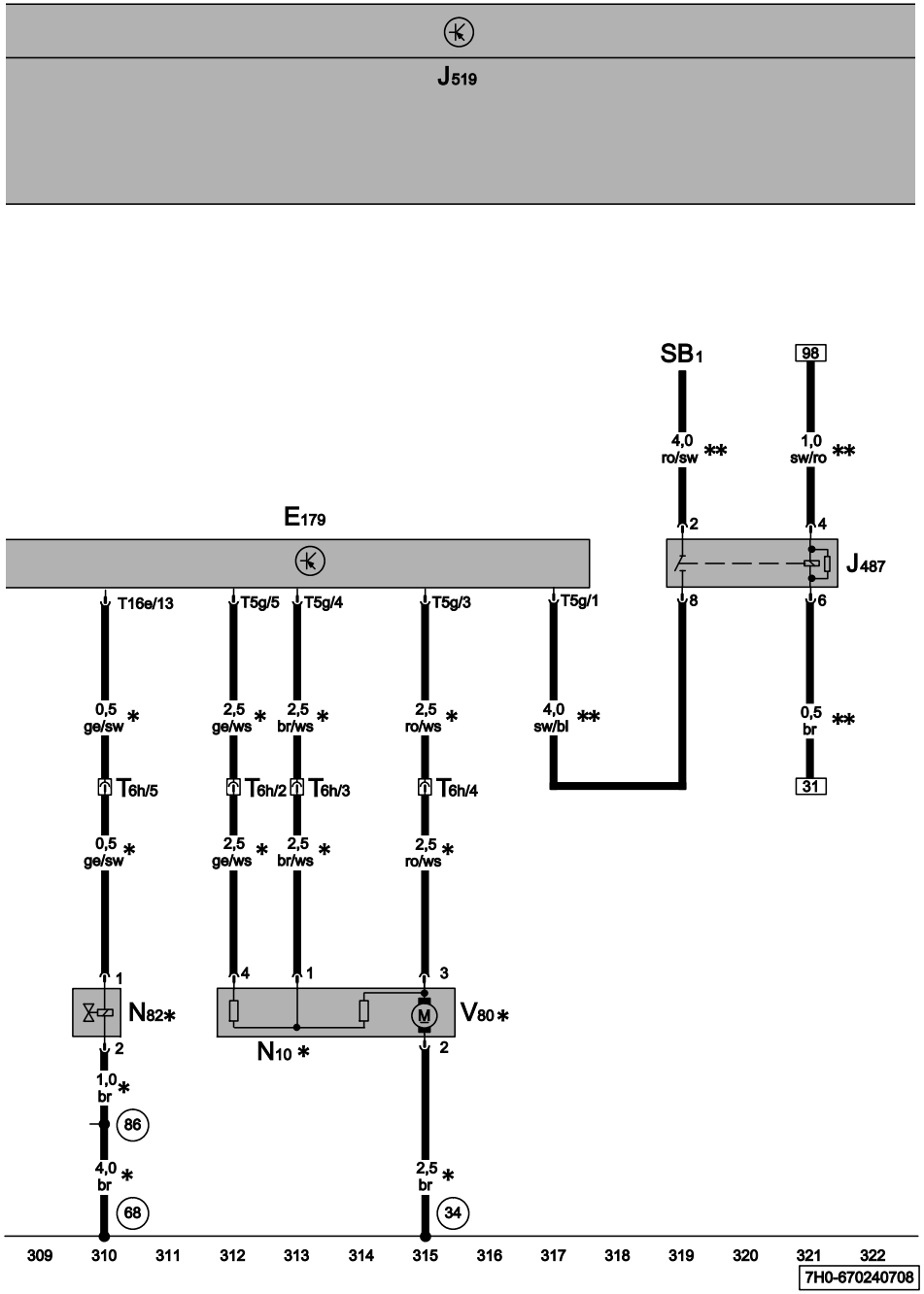
<fo:exter for models with auxiliary coolant heater only
nal-
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uniform"/
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, rear temperature flap control motor, potentiometer for temperature flap control motor

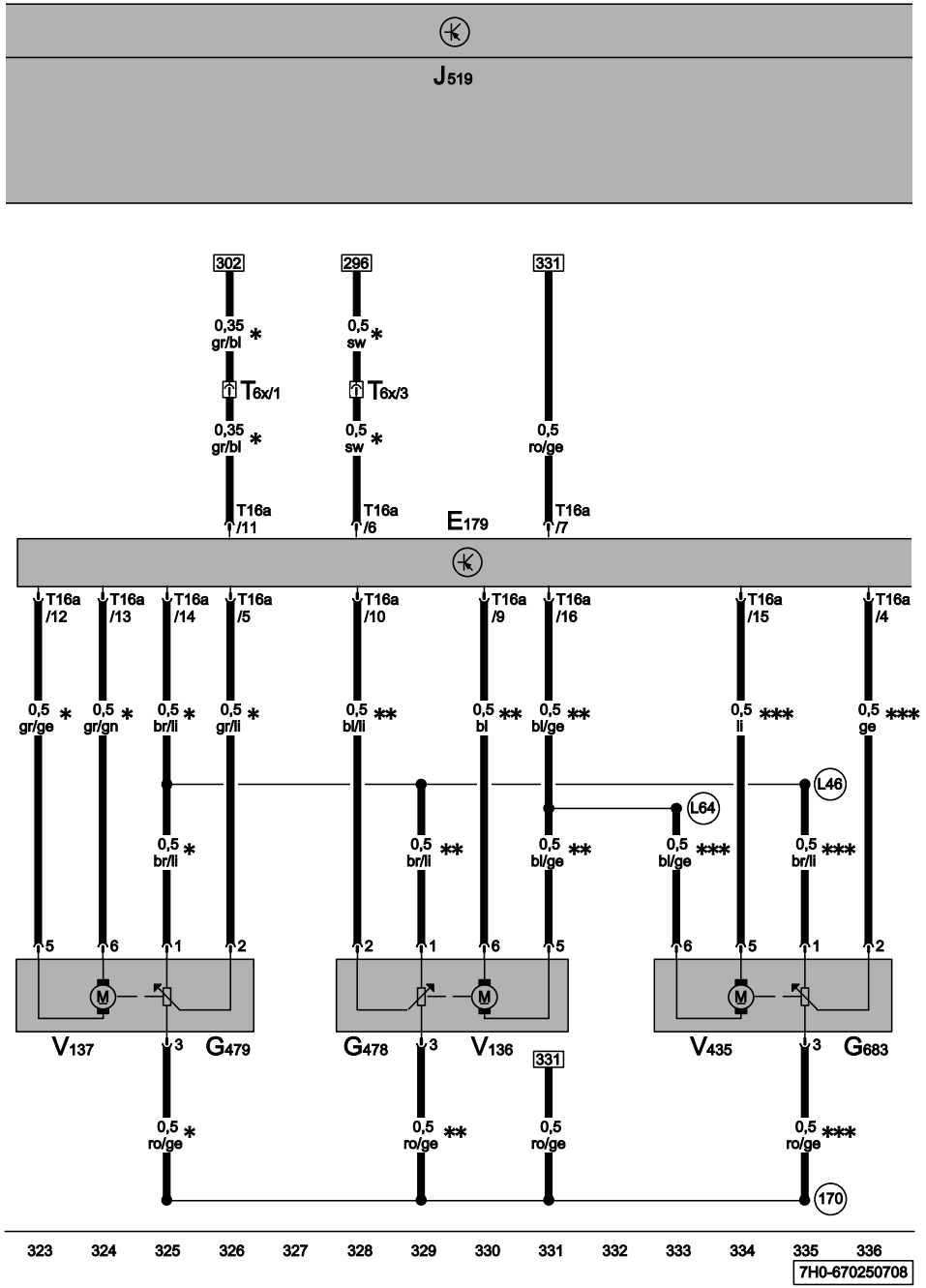
E179	Rear fresh air blower switch
G92	Temperature flap control motor potentiometer
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
T5g	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T10ay	10-pin connector, red, coupling station under front passenger seat
T16e	16-pin connector, black
V80	Rear fresh air blower
V137	Rear temperature flap control motor
162	Earth connection, in blower motor wiring harness
654	Earth point, right D-pillar
B341	Connection 2 (58d), in main wiring harness
B472	Connection 8 in main wiring harness
*	for box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only, not for double cab
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only
***	for models without dimming instruments illumination only
****	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only



Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay, coolant shut-off valve

E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
N82	Coolant shut-off valve
SB1	Fuse 1 on fuse holder B
T5g	5-pin connector
T6h	6-pin connector, purple, coupling station under driver seat
T16e	16-pin connector, black
V80	Rear fresh air blower
34	Earth point, under driver seat
68	Earth point, on left of rear cross member
86	Earth connection 1, in rear wiring harness
*	for models with double cab only
**	for double cab, Box-type delivery van and hybrid vehicle without seperate vehicle interior ventilation only

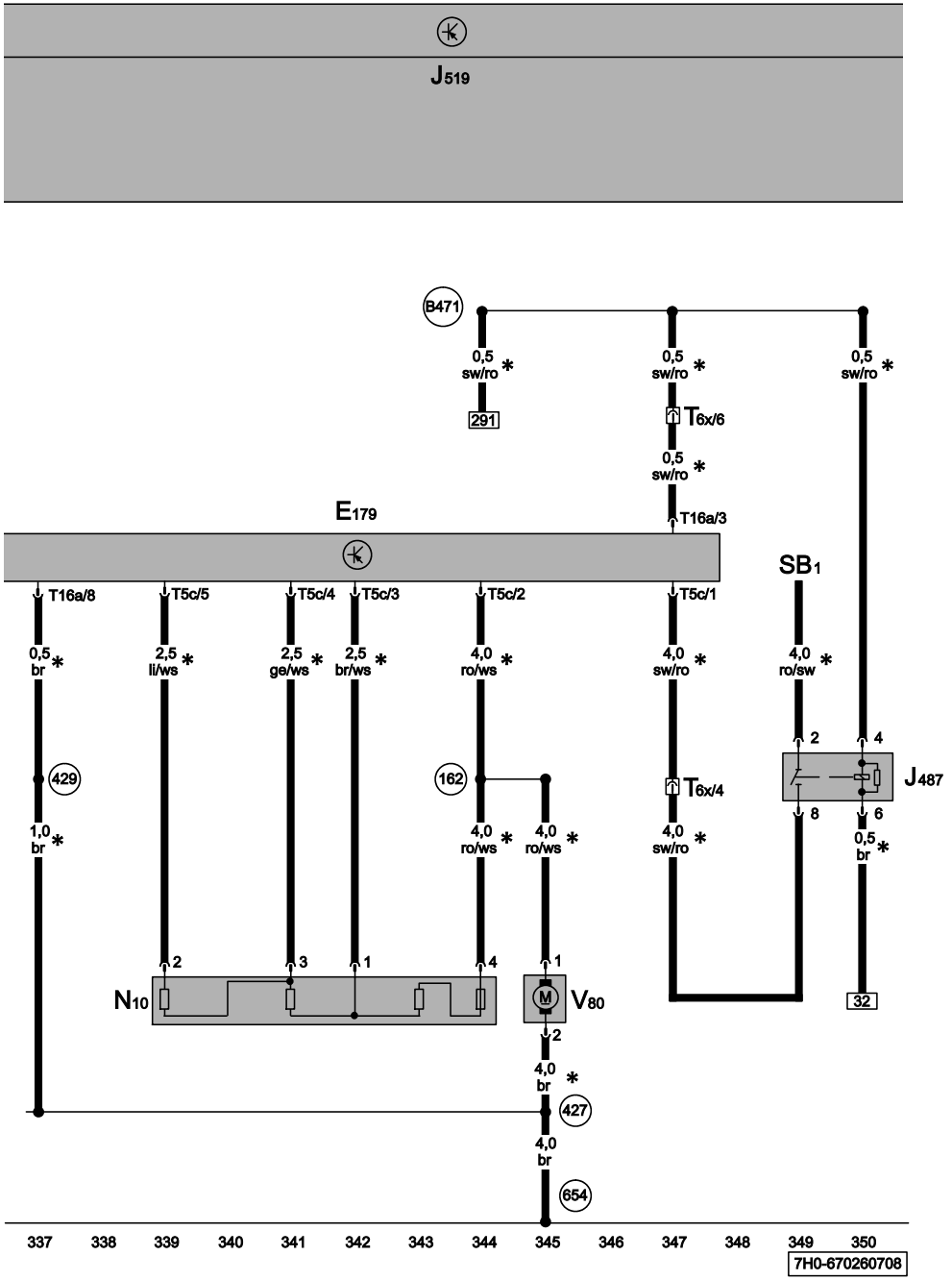
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Rear fresh air blower switch, potentiometer for rear air distribution control motor, potentiometer for rear temperature flap motor, potentiometer for rear air distribution control motor 2

E179	Rear fresh air blower switch
G478	Potentiometer for rear air distribution control motor
G479	Potentiometer for rear temperature flap motor
G683	Potentiometer for rear air distribution control motor 2
J519	Onboard supply control unit
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V136	Rear air distribution control motor
V137	Rear temperature flap control motor
V435	Rear air distribution control motor 2
170	Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
L46	Connection (5 Volt), in Climatronic operating unit wiring harness
L64	Connection (control motor), in rear Climatronic wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only
**	for box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only, not for camper
***	for models with side window vent only (6CE)

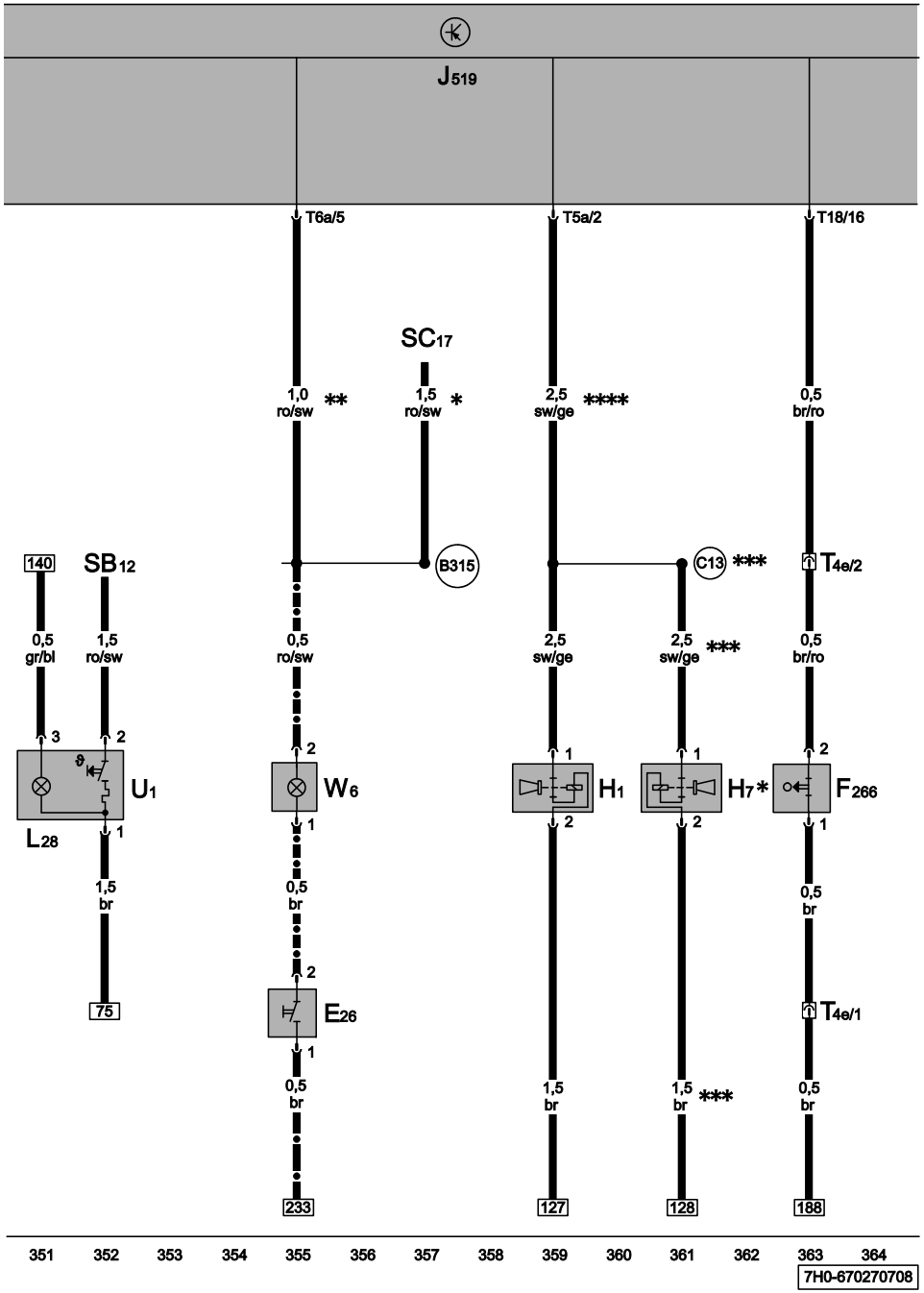
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear fresh air blower switch, series resistor for rear fresh air blower, rear fresh air blower, fresh air blower isolation relay

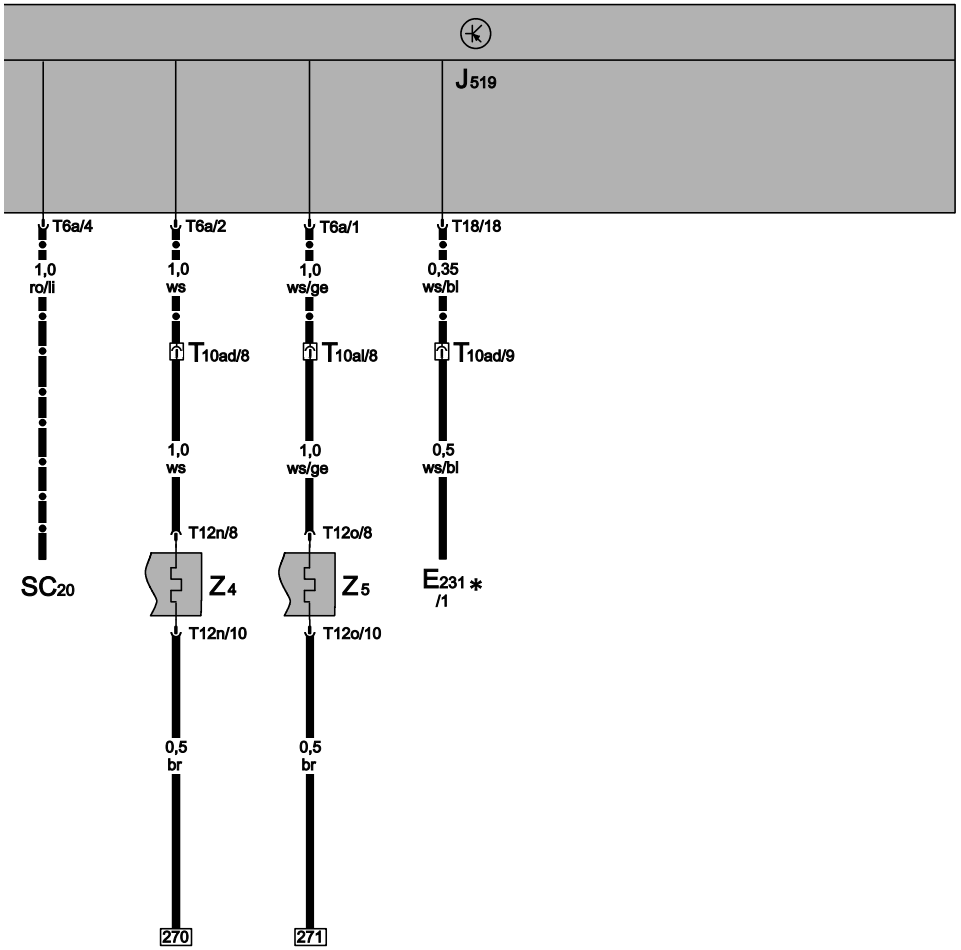
E179	Rear fresh air blower switch
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
N10	Series resistor for rear fresh air blower
SB1	Fuse 1 on fuse holder B
T5c	5-pin connector
T6x	6-pin connector, purple, coupling station under front passenger seat
T16a	16-pin connector, black
V80	Rear fresh air blower
162	Earth connection, in blower motor wiring harness
427	Earth connection 3, in right rear end wiring harness
429	Earth connection 4, in right rear end wiring harness
654	Earth point, right D-pillar
B471	Connection 7 in main wiring harness
*	for camper, box-type delivery van and hybrid vehicle with seperate vehicle interior ventilation only

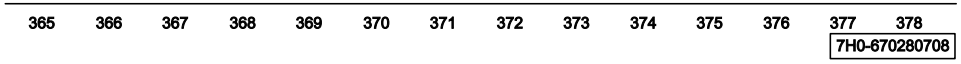


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, cigarette lighter, glove compartment light, glove compartment light switch, horn or dual tone horn, bonnet contact switch

E26	Glove compartment light switch
F266	Bonnet contact switch
H1	Horn or dual tone horn
H7	Bass tone horn
J519	Onboard supply control unit
L28	Cigarette lighter illumination bulb
SB12	Fuse 12 on fuse holder B
SC17	Fuse 17 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T5a	5-pin connector, brown
T6a	6-pin connector, brown
T18	18-pin connector, black
U1	Cigarette lighter
W6	Glove compartment light
B315	Positive connection 1 (30a), in main wiring harness
C13	Positive connection in dual tone horn wiring harness
*	for models with roof console only ⇒ interior lights Current Flow Diagram
**	for models without roof console only ⇒ interior lights Current Flow Diagram
***	for models with dual tone horn only
****	for models without optimal equipment police only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with multimedia bus for external audio source (9WL) only





Onboard supply control unit, exterior mirror heater button, heated exterior mirror

E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T18	18-pin connector, black
Z4	Driver side heated exterior mirror
Z5	Front passenger side heated exterior mirror
*	⇒ Current Flow Diagram: convenience system without window regulator

<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>

for models with heated exterior mirrors and without window regulator only

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

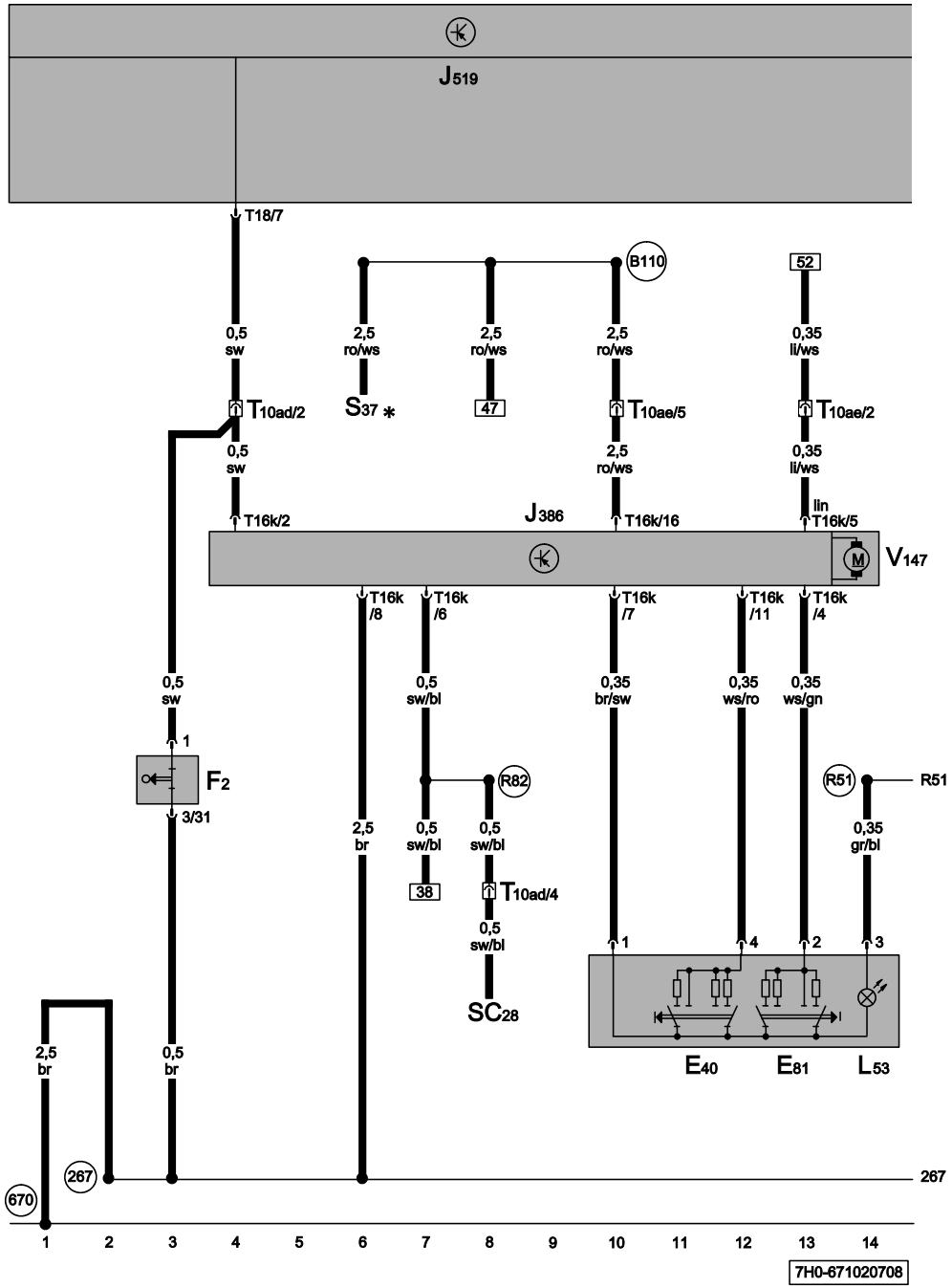
Exterior mirror, electric

⇒ **Window regulator, electric**
⇒ **Without anti-theft alarm system**
⇒ **Without central locking lock unit**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

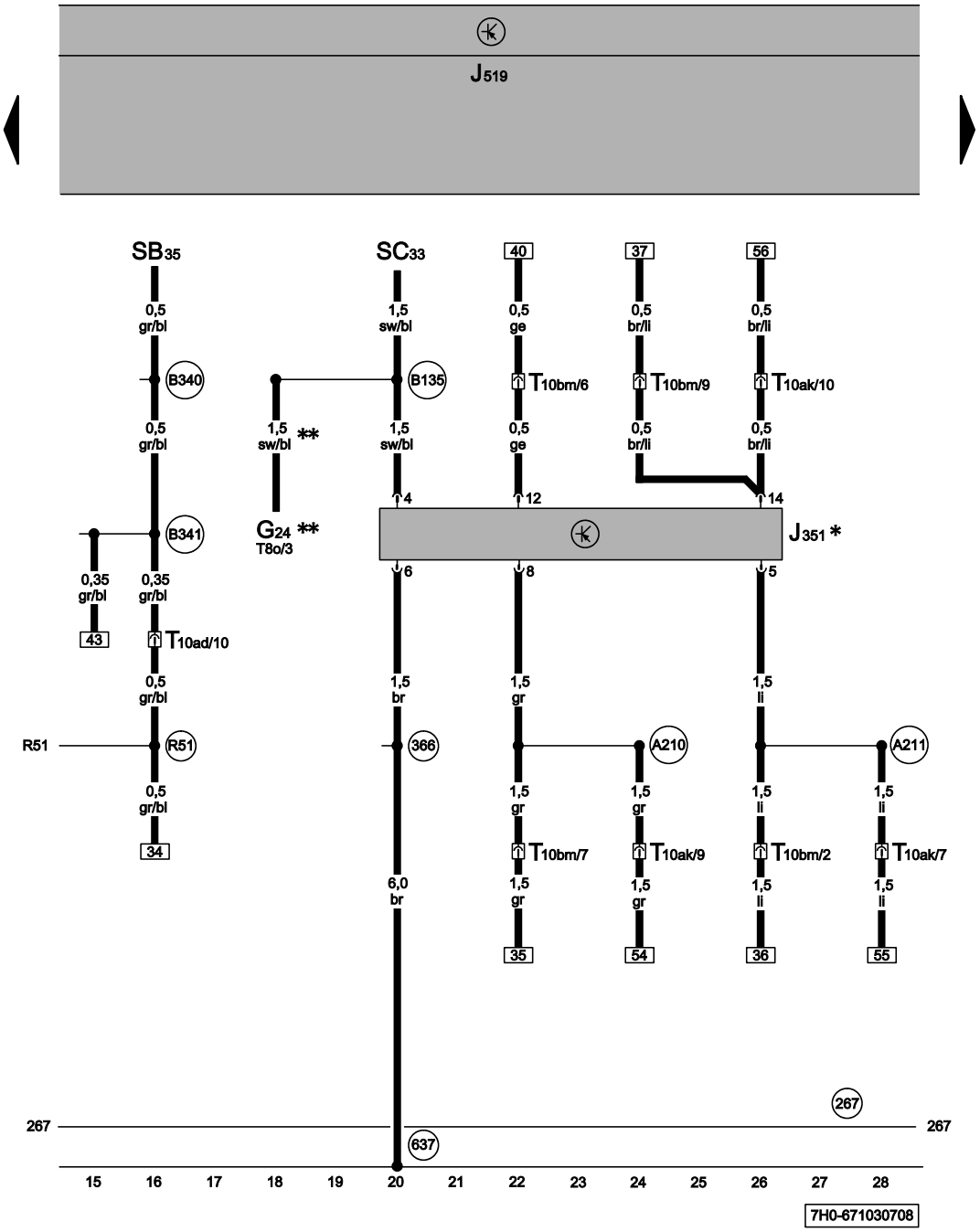
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, front window regulator switch in driver door, driver door control unit, driver side window regulator motor, driver door contact switch

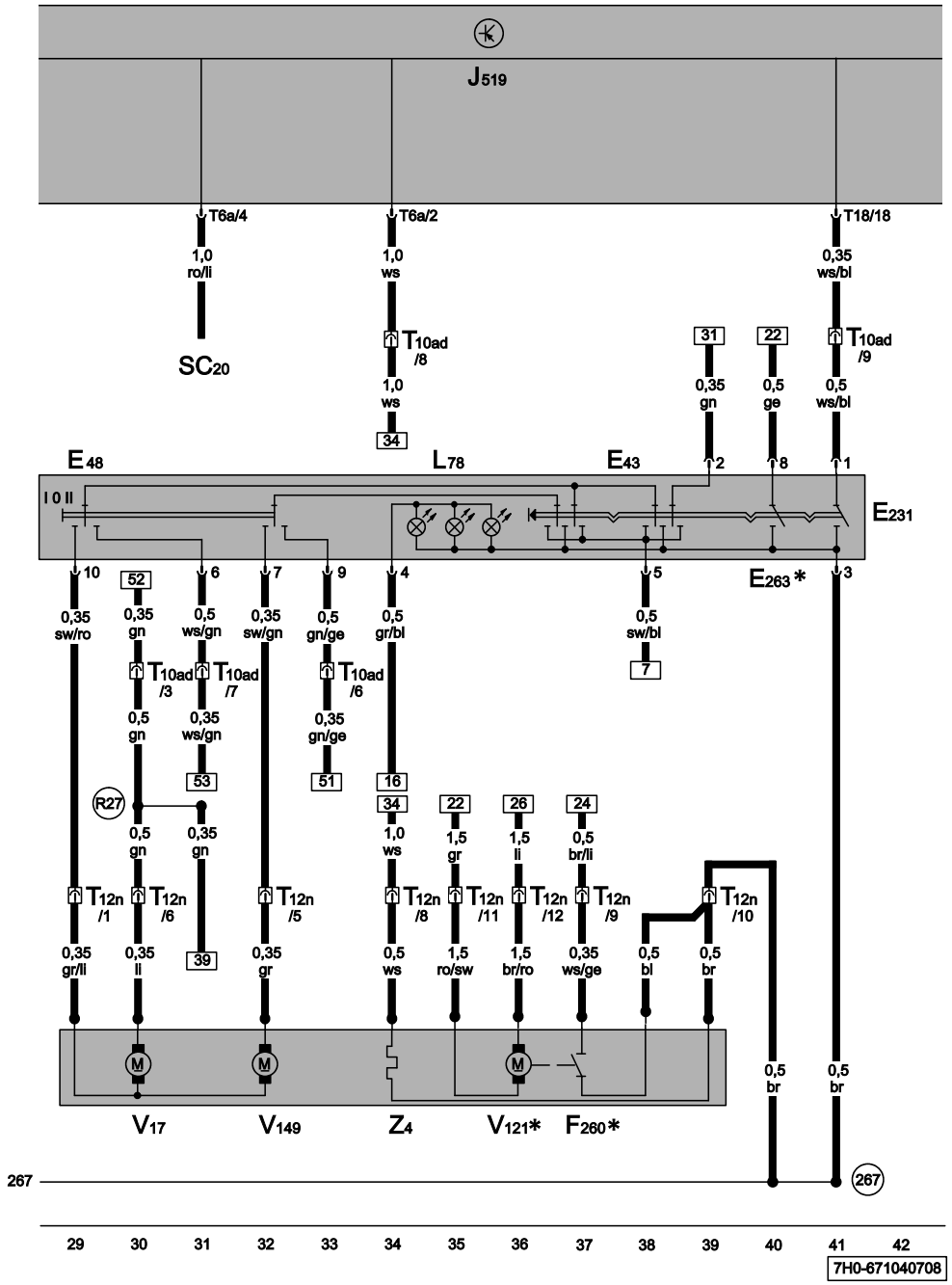
E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
F2	Driver door contact switch
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T16k	16-pin connector, black
T18	18-pin connector, black
V147	Driver side window regulator motor
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, folding exterior mirror control unit

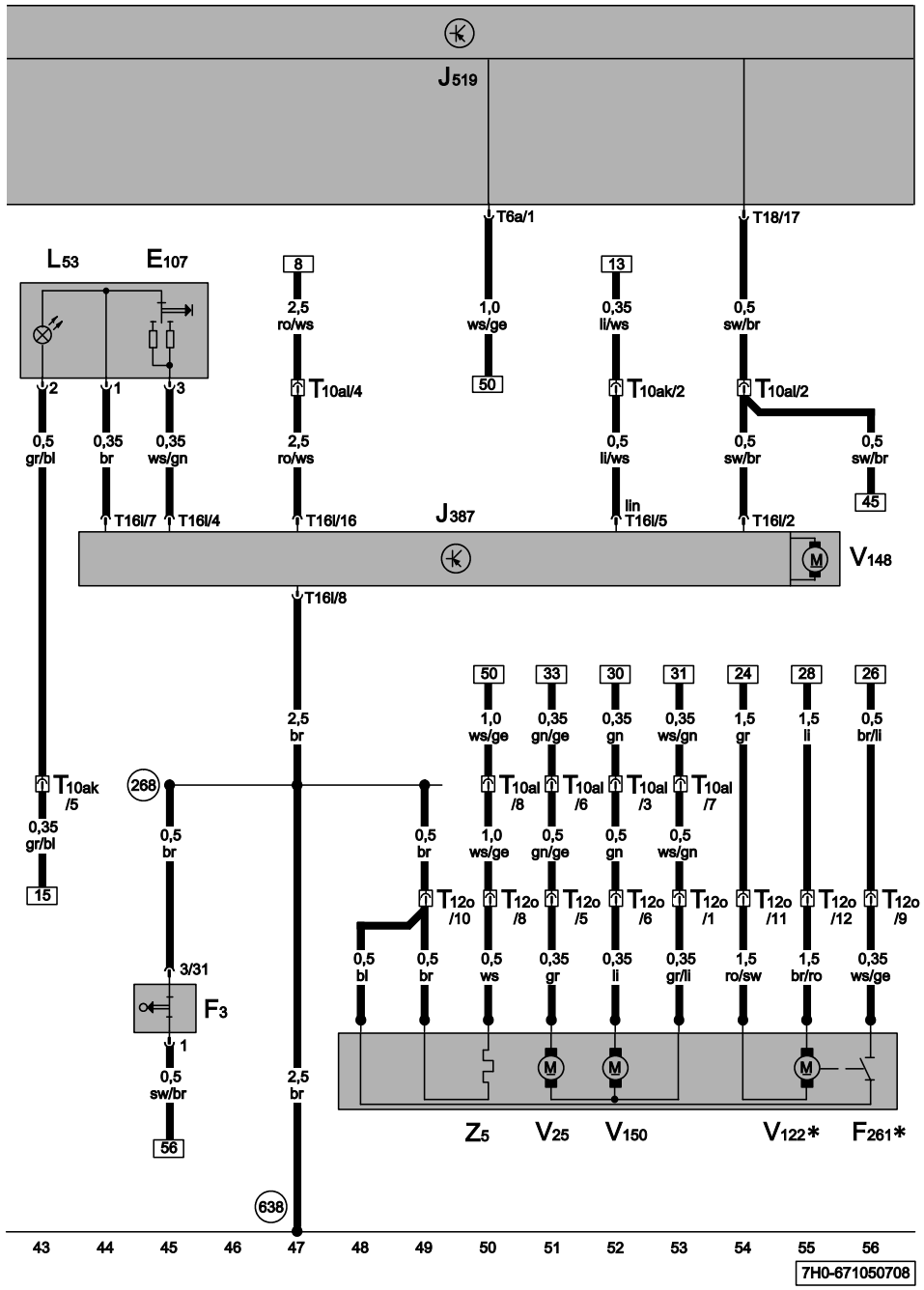
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	for models with folding exterior mirror only
**	for models with tachograph only



Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
R27	Connection (mirror adjustment), in driver door wiring harness
*	for models with folding exterior mirror only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Window regulator switch, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F3	Front passenger door contact switch
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T16l	16-pin connector, black
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

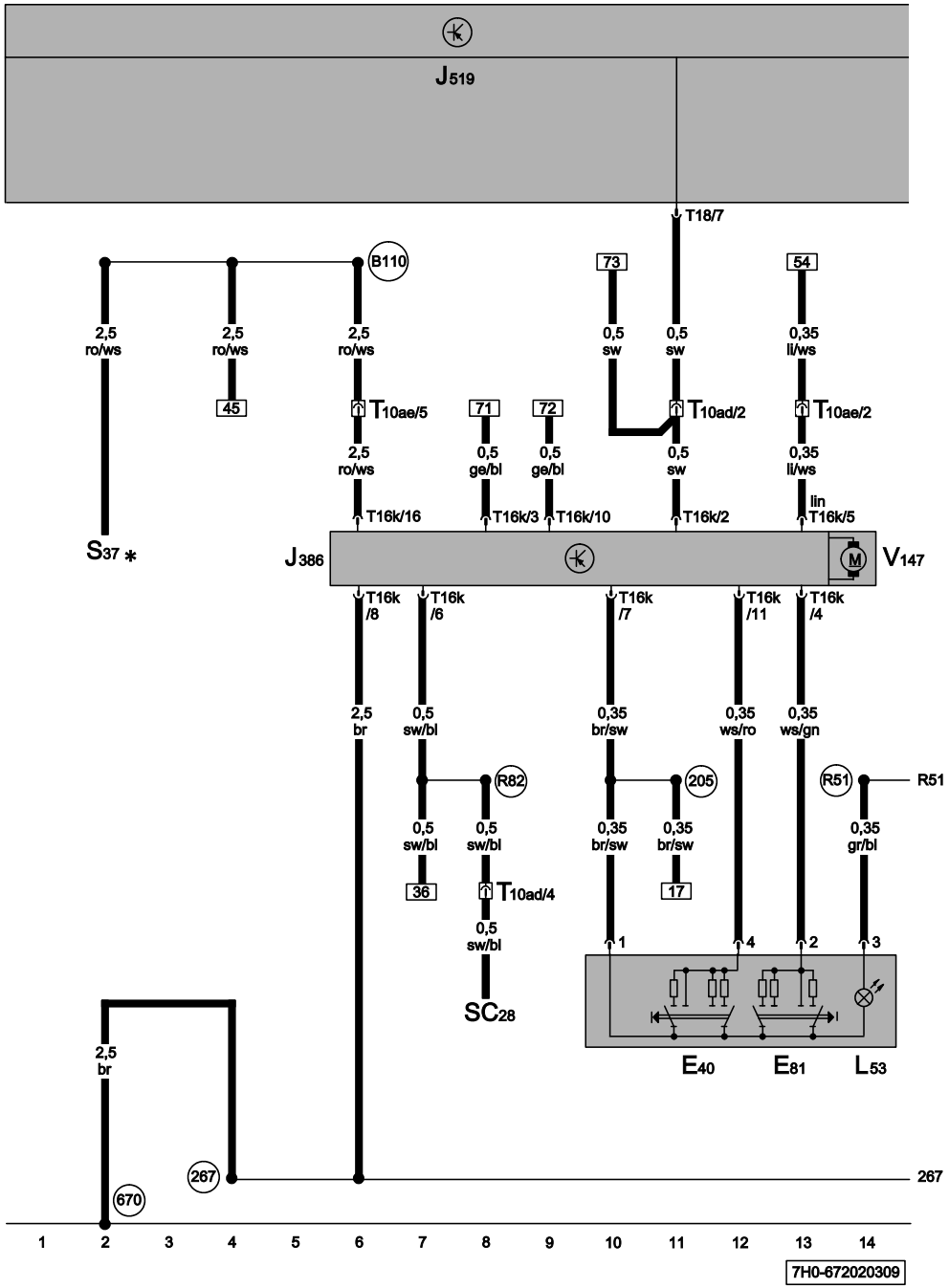
Convenience system

⇒ **Exterior mirror, electric**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Front window regulator**
⇒ **Central locking with remote control**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

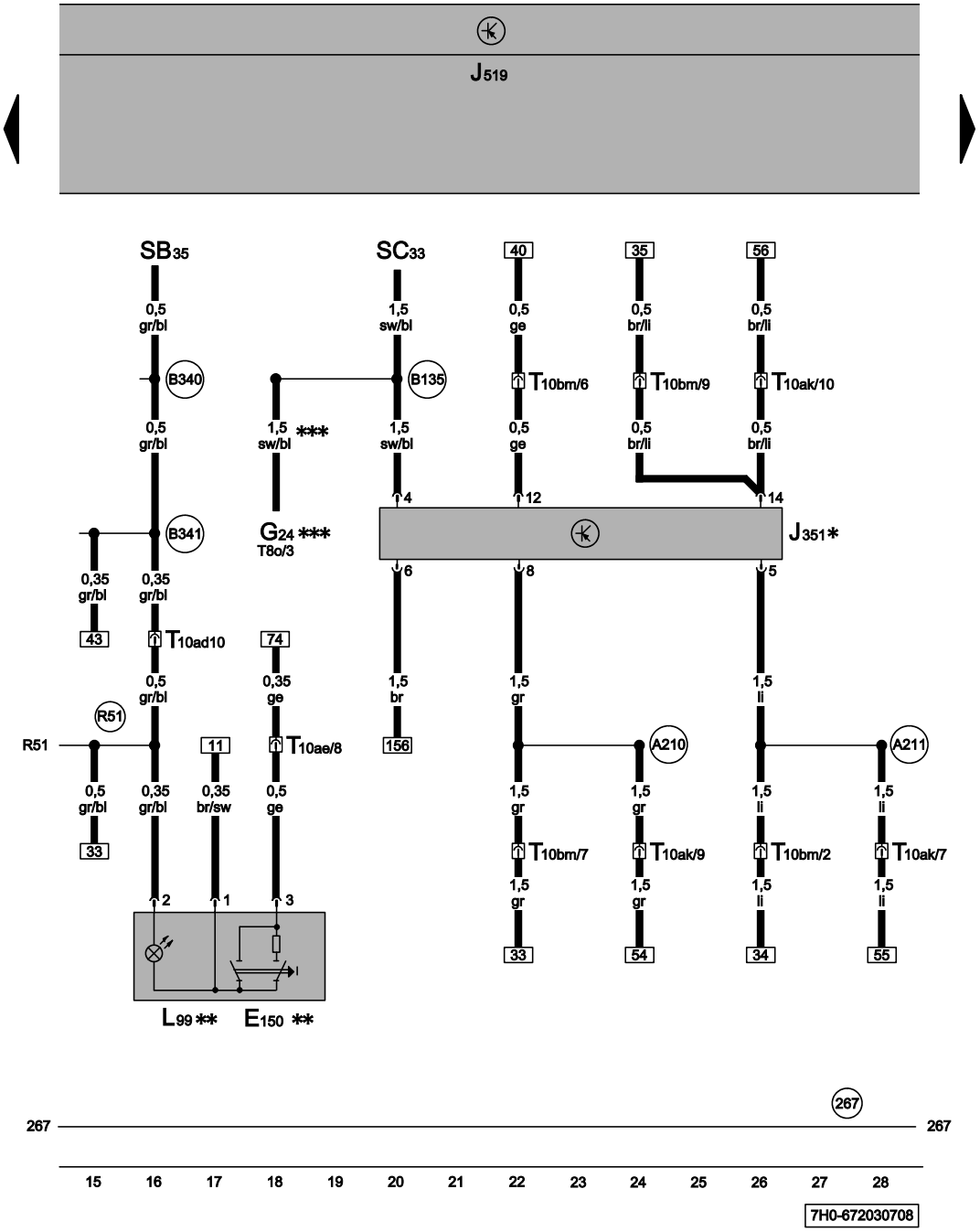
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, front window regulator switch, driver door control unit, driver side window regulator motor

E40	Front left window regulator switch
E81	Front right window regulator switch in driver door
J386	Driver door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
S37	Window regulator single fuse
SC28	Fuse 28 on fuse holder C
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T16k	16-pin connector, black
T18	18-pin connector, black
V147	Driver side window regulator motor
205	Earth connection, in driver door wiring harness
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
B110	Connection (30, window regulator) in interior wiring harness
R51	Connection (58b), in driver side door wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	on relay carrier (1) cockpit ⇒ Fitting Locations

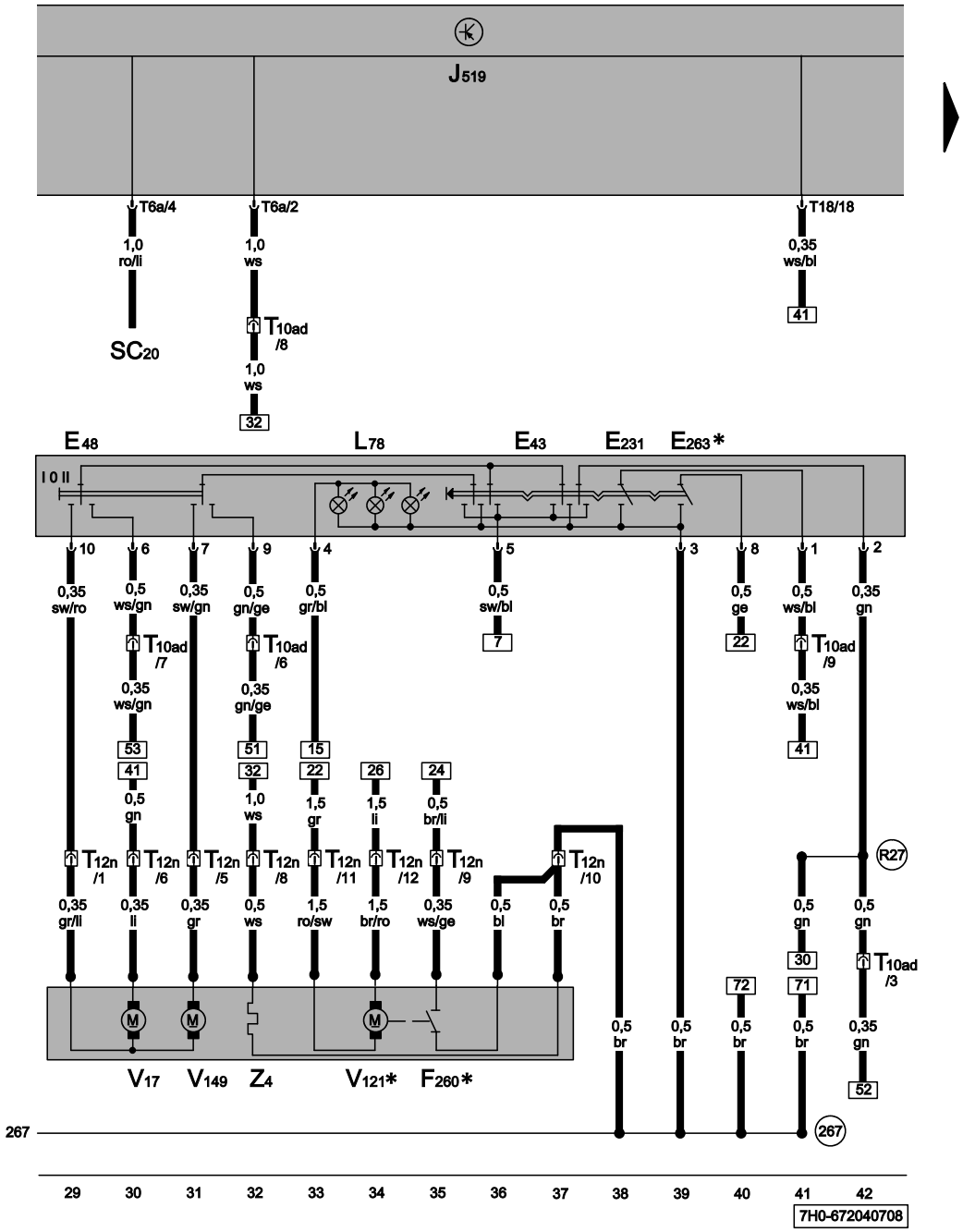


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, driver side interior locking switch, folding exterior mirror control unit

E150	Driver side interior locking switch
G24	Tachograph
J351	Folding exterior mirror control unit
J519	Onboard supply control unit
L99	Interior lock switch illumination bulb
SB35	Fuse 35 on fuse holder B
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10bm	10-pin connector, grey, coupling station on left of A-pillar
267	Earth connection 2, in driver door wiring harness
A210	Connection 1 (fold-in mirror), in dash panel wiring harness
A211	Connection 2 (fold-in mirror), in dash panel wiring harness
B135	Connection 1 (15a), in interior wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness

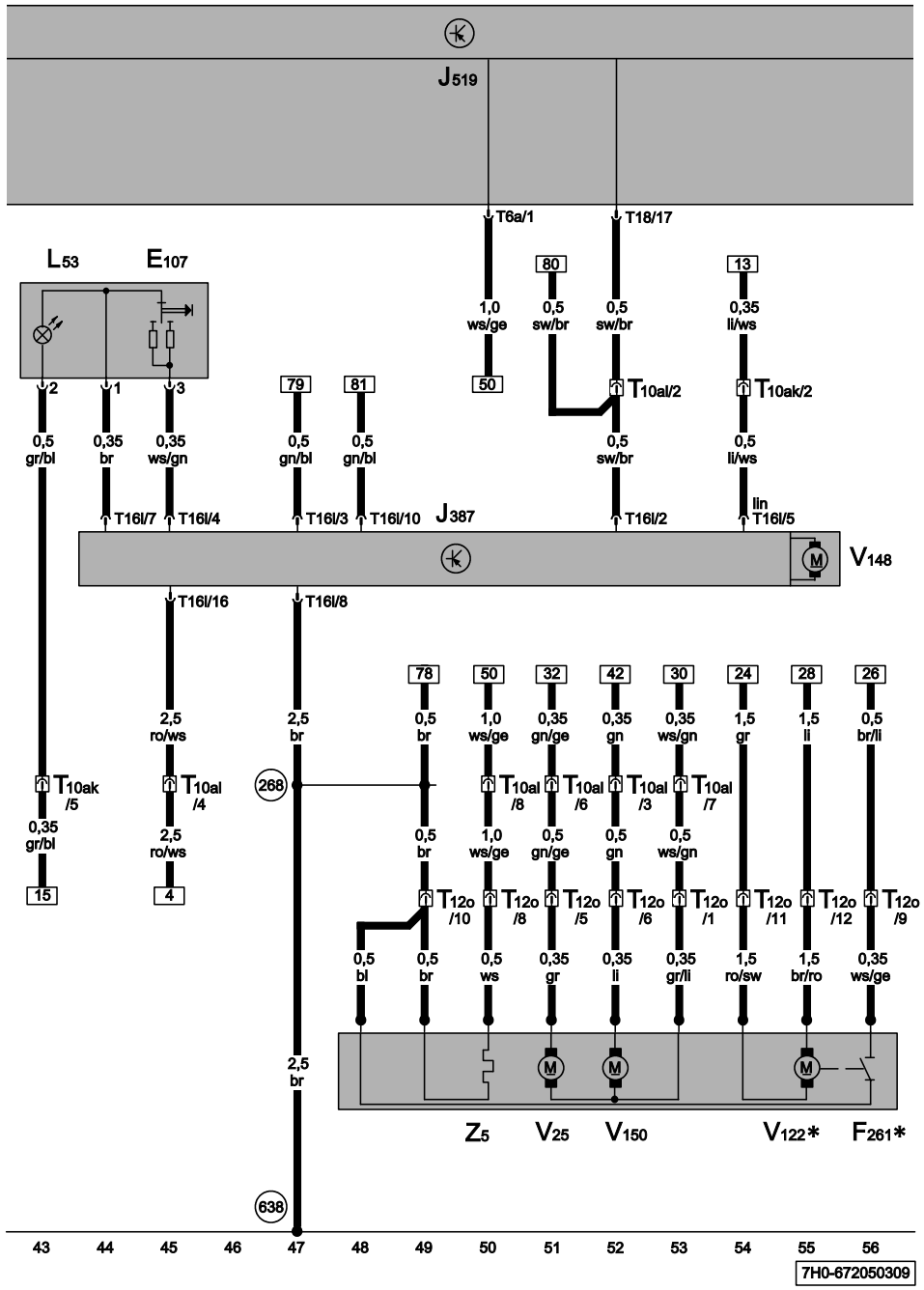
* for models with folding exterior mirror only
** for models with interior locking switch only
*** for models with tachograph only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, mirror adjustment switch, fold-in mirror switch, mirror adjustment motor, folding mirror motor, driver side heated exterior mirror

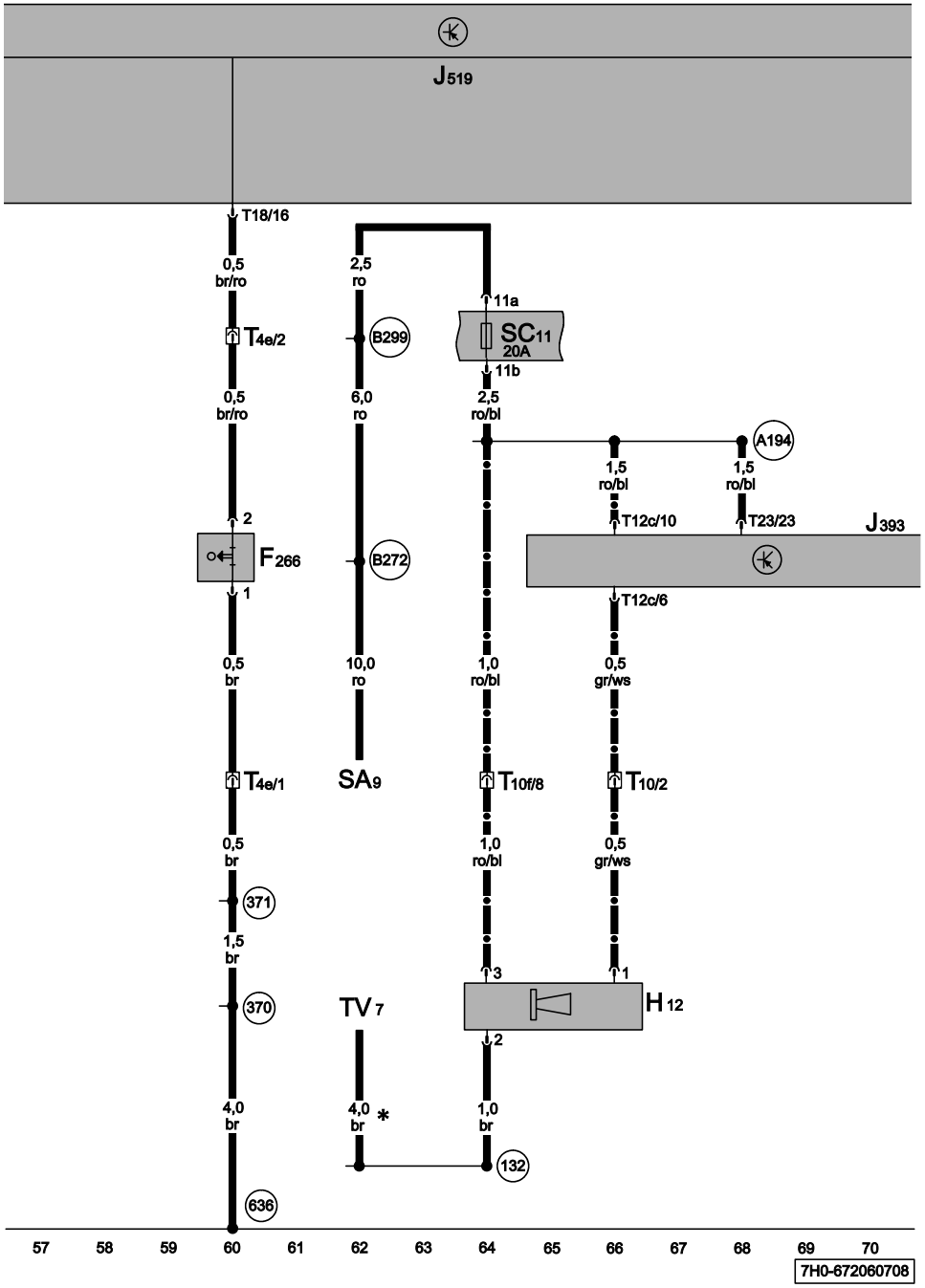
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
E263	Fold-in mirror switch
F260	Driver side fold-in mirror contact switch
J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SC20	Fuse 20 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V121	Driver side fold-in mirror motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
R27	Connection (mirror adjustment), in driver door wiring harness
*	for models with folding exterior mirror only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Window regulator switch, door control unit, mirror adjustment motor, fold-in mirror motor, heated exterior mirror, front passenger side window regulator motor

E107	Window regulator switch in front passenger door
F261	Front passenger side fold-in mirror contact switch
J387	Front passenger door control unit
J519	Onboard supply control unit
L53	Window regulator switch illumination bulb
T6a	6-pin connector, brown
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
T16l	16-pin connector, black
T18	18-pin connector, black
V25	Front passenger side mirror adjustment motor
V122	Front passenger side fold-in mirror motor
V148	Front passenger side window regulator motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
*	for models with folding exterior mirror only



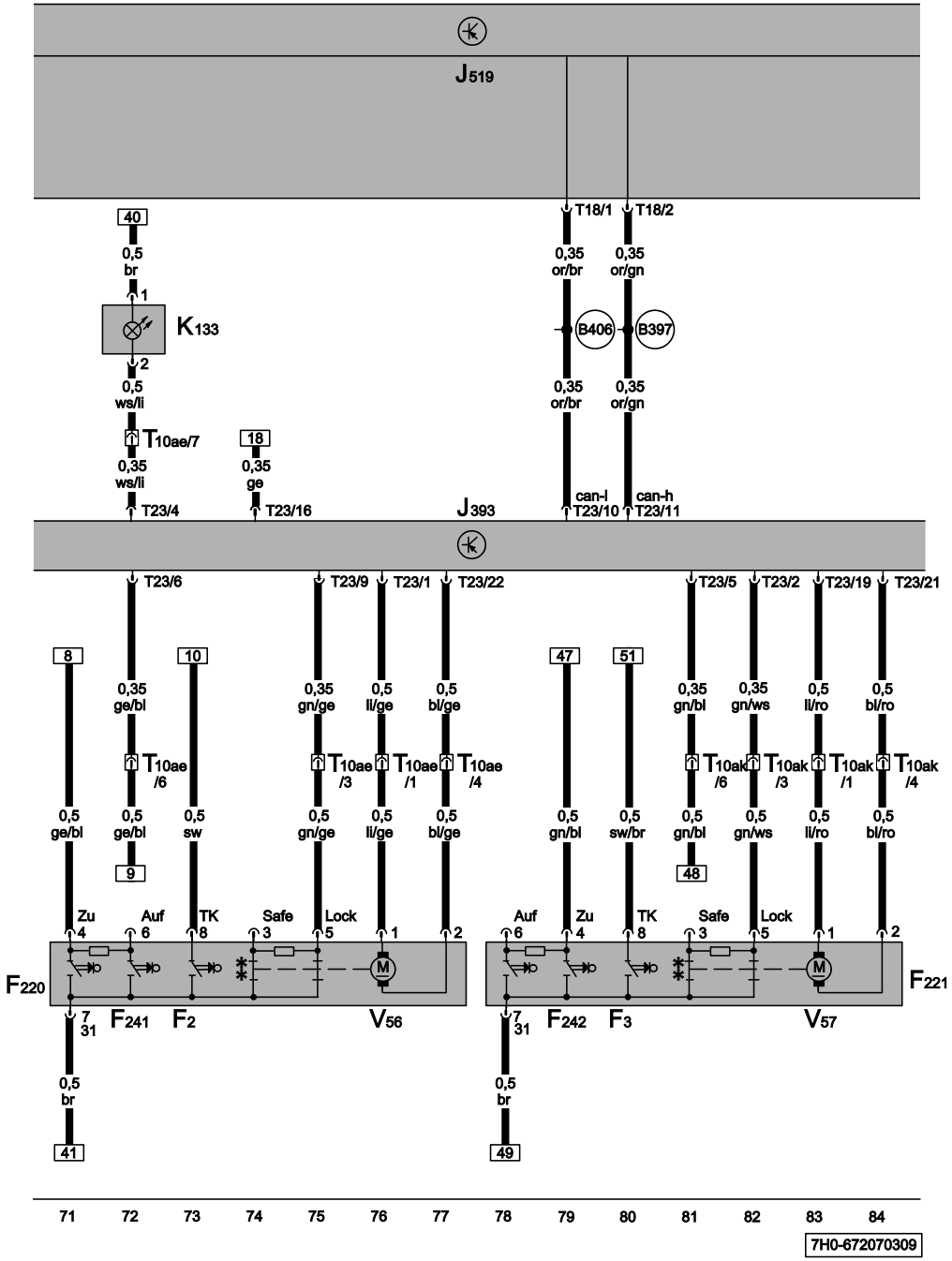
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Convenience system central control unit, alarm horn, bonnet contact switch, fuses

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible
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rs	=	pink

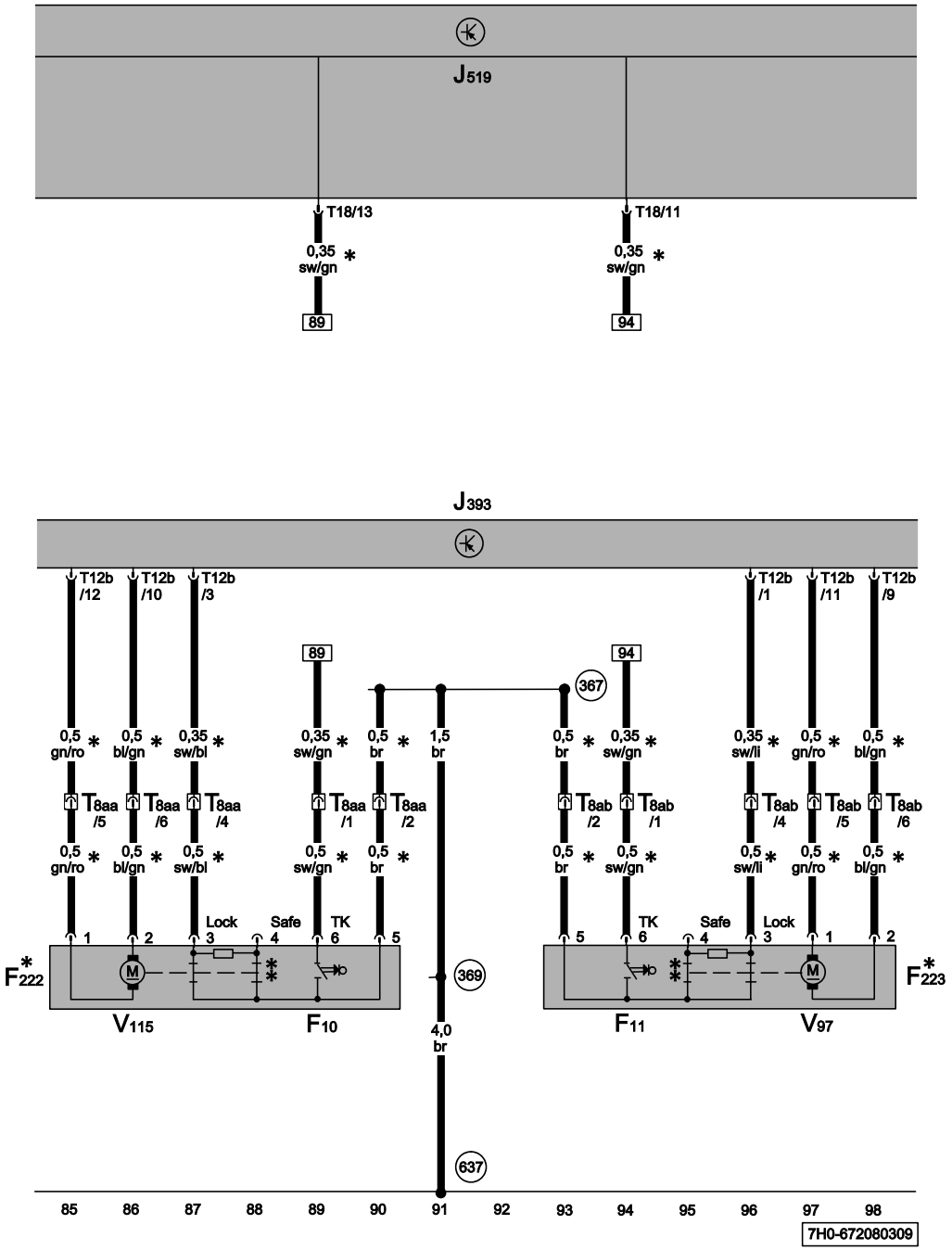
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rs = pink

Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

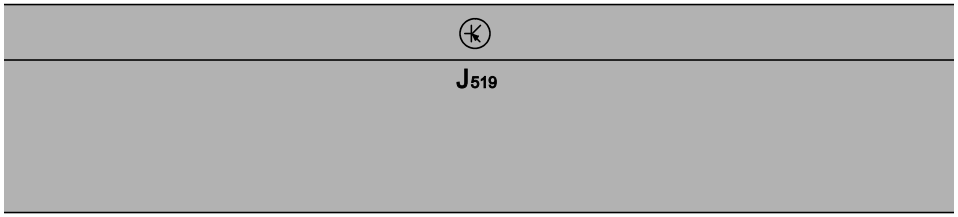
F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
**	for models with deadlock function only

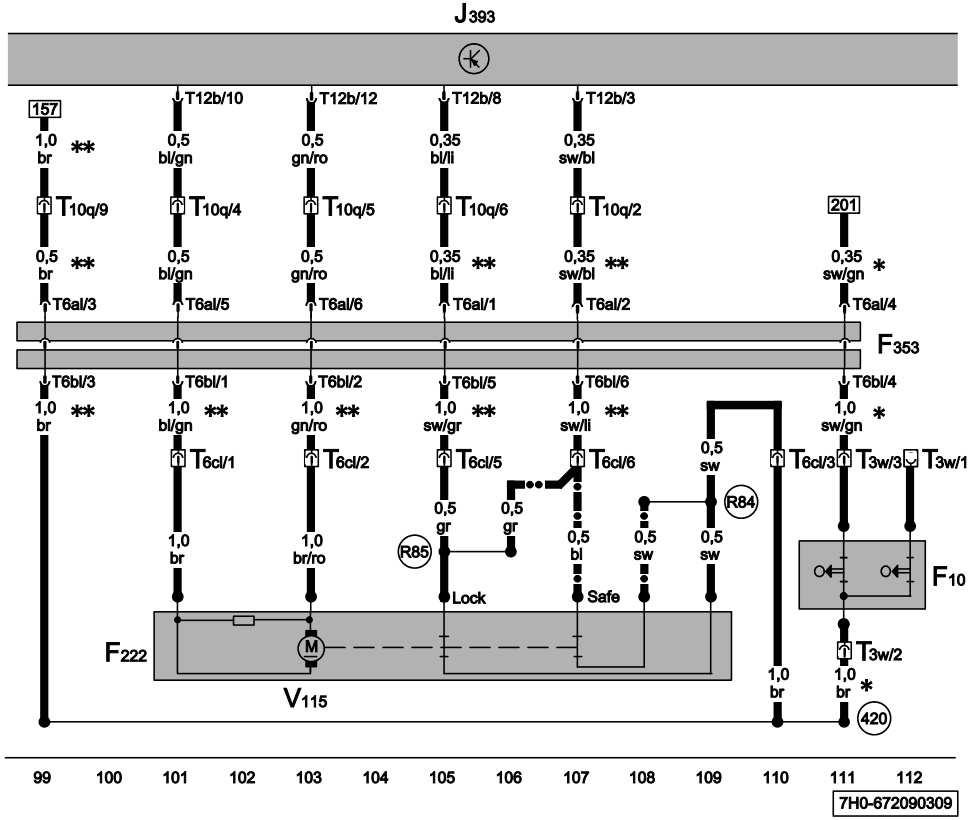


Rear left and right central locking lock unit, rear left and right door contact switch, convenience system central control unit

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	for models with deadlock function only

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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink





Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T6cl	6-pin connector, black, in left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
R84	Connection 1 (central locking) in rear left door wiring harness
R85	Connection 2 (central locking) in rear left door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

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for models with deadlock function only

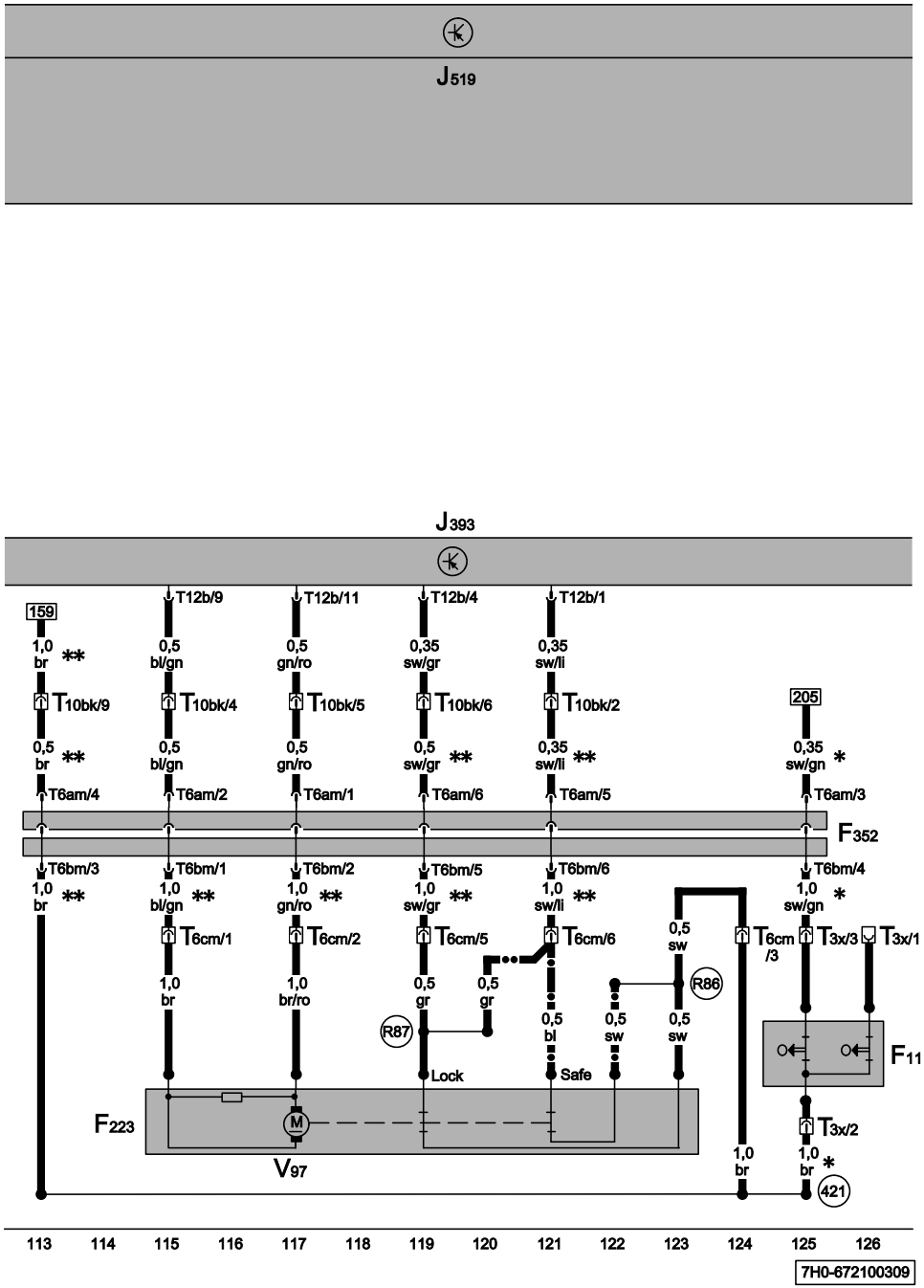
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for models without deadlock function only

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ge	=	yellow
or	=	orange
rs	=	pink

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Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T6cm	6-pin connector, black, in right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
R86	Connection 1 (central locking) in rear right door wiring harness
R87	Connection 2 (central locking) in rear right door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

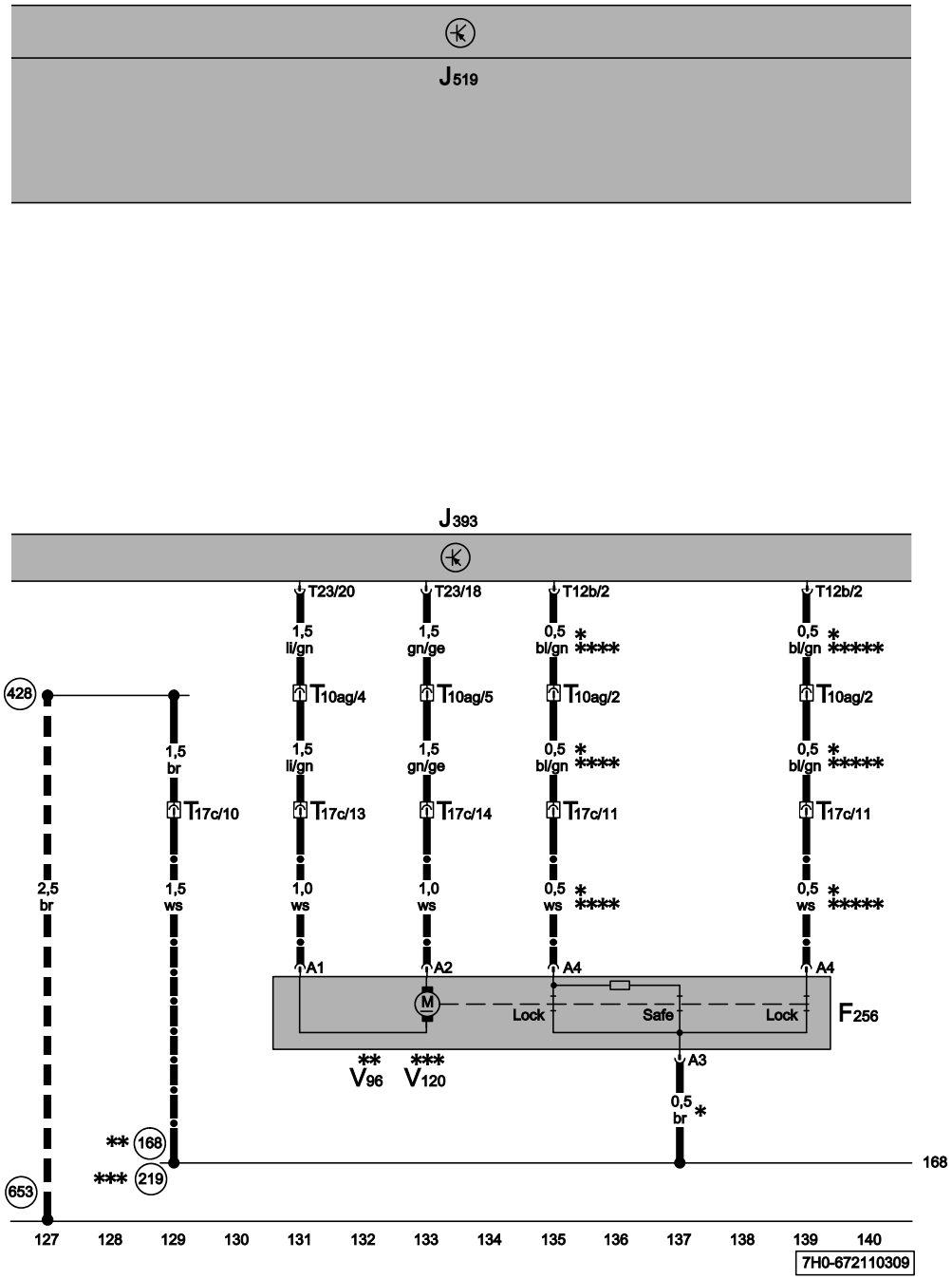
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for models with deadlock function only

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for models without deadlock function only

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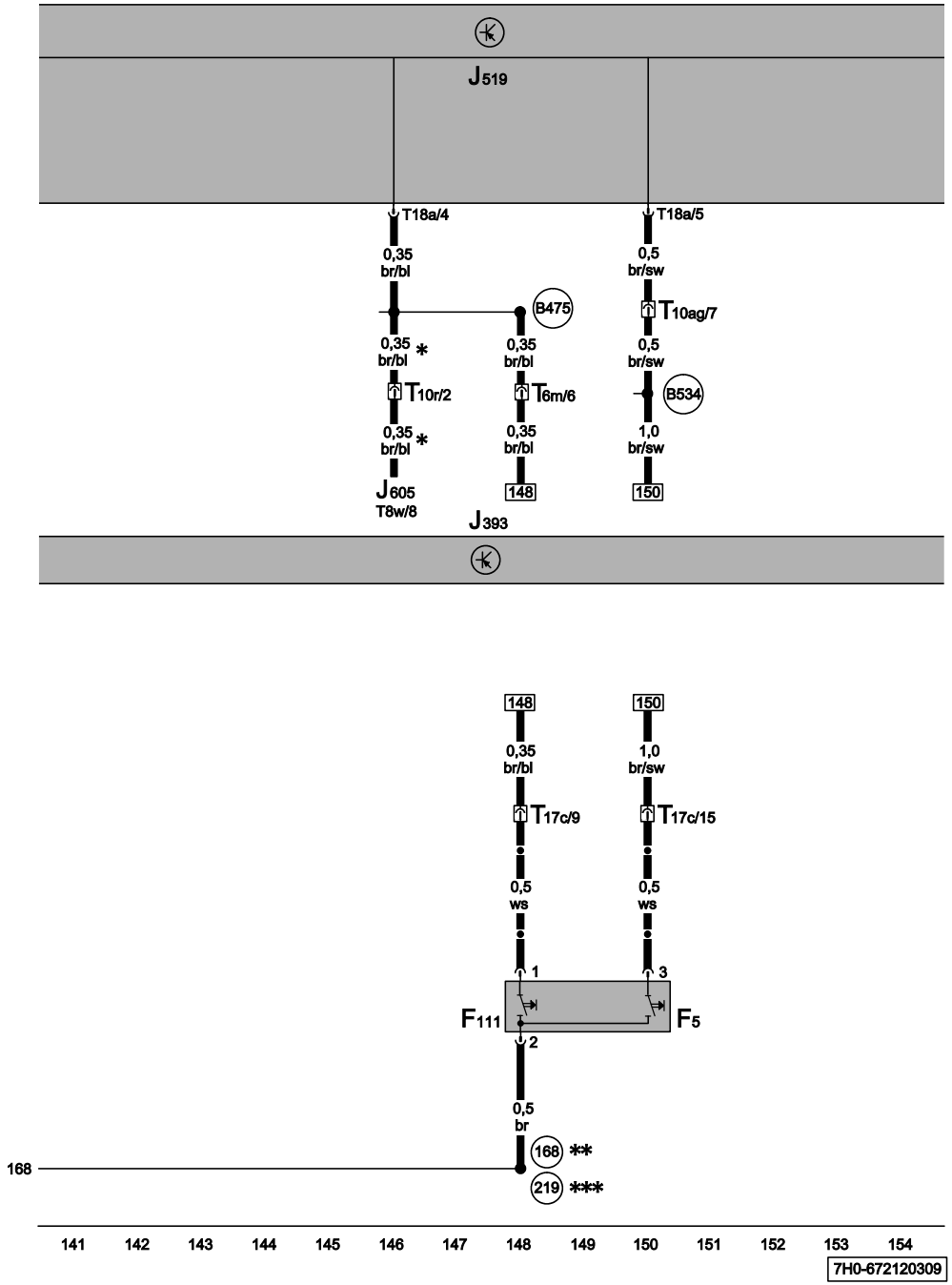
Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid interior locking only
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with deadlock function only
*****	for models without deadlock function only

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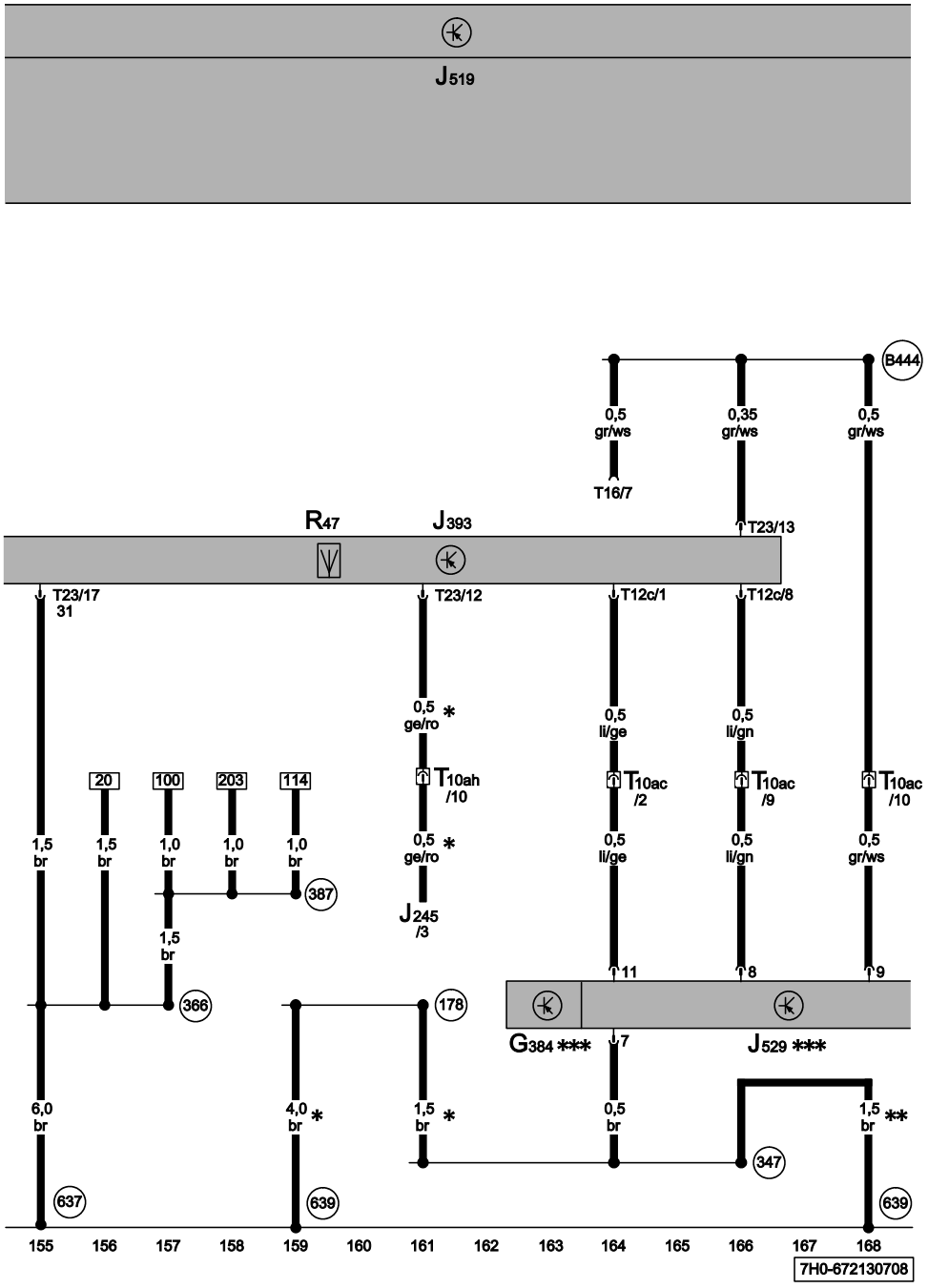


ws = white
sw = black
ro = red
br = brown
gn = green
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gr = grey
li = purple
ge = yellow
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rs = pink

Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with rear lid and power latching system only
**	for models with rear wing doors only
***	for models with rear lid only

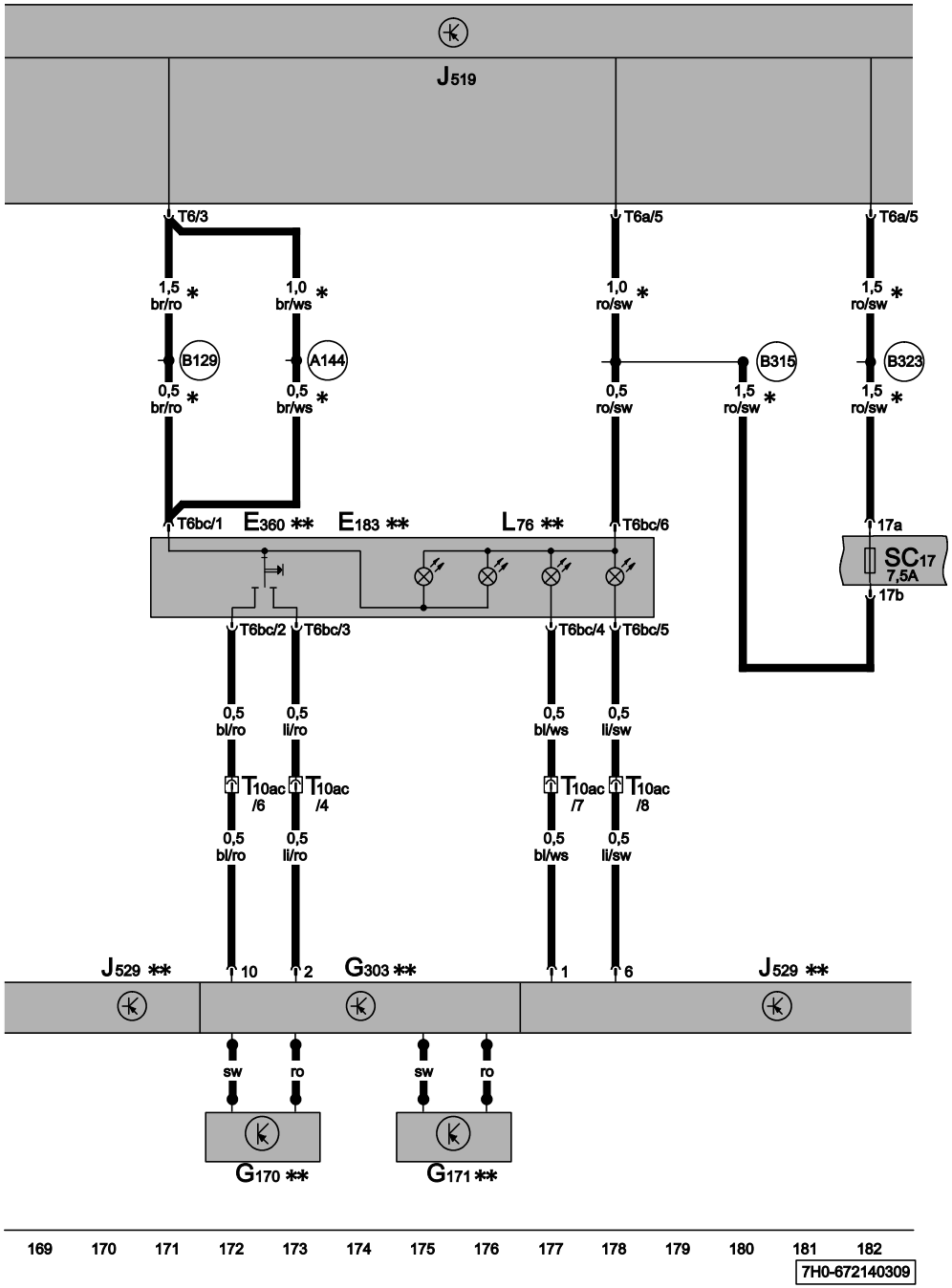
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wire colour is white and wire is printed



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

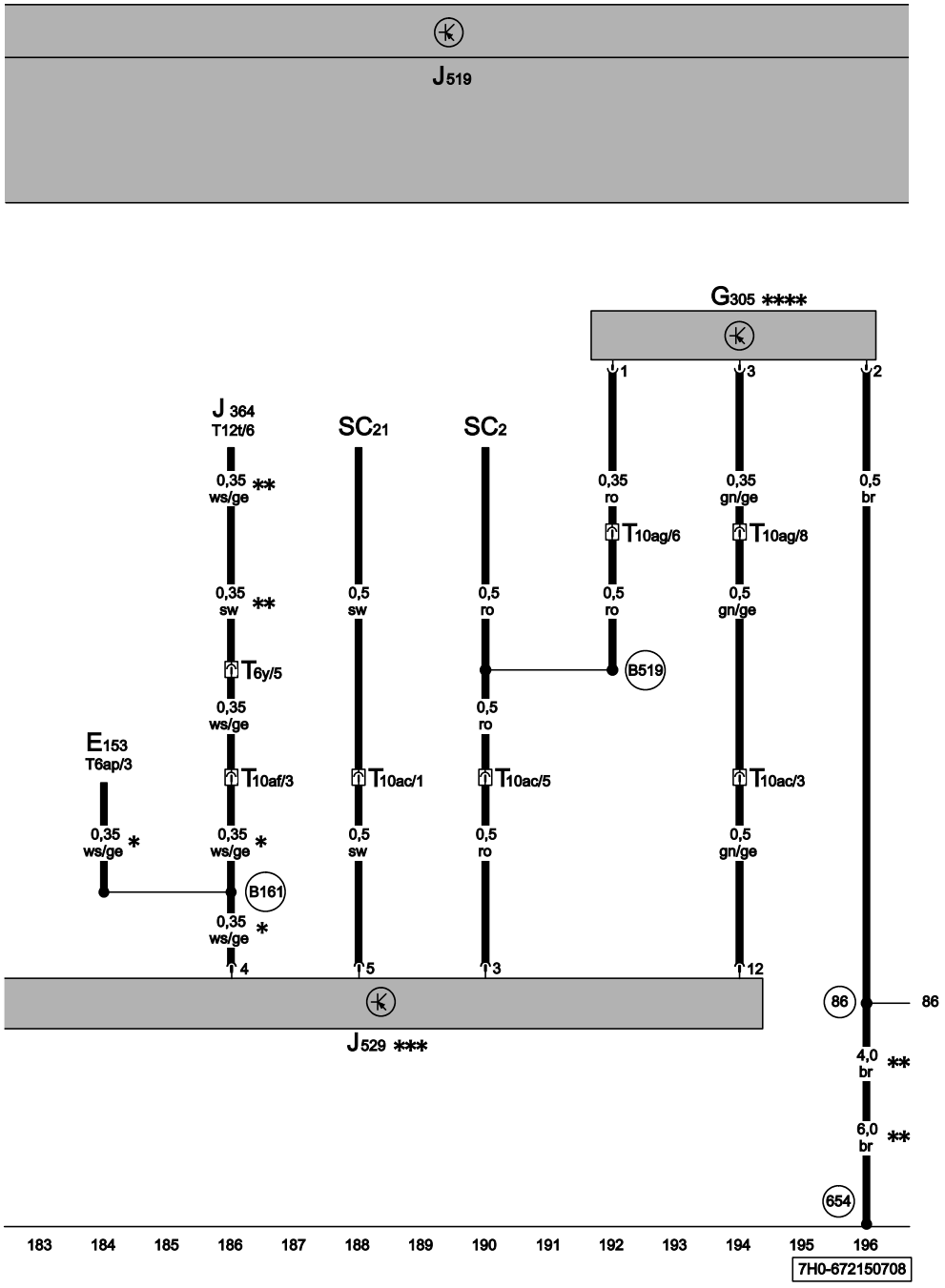
G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sliding/tilting sunroof
**	for models without sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

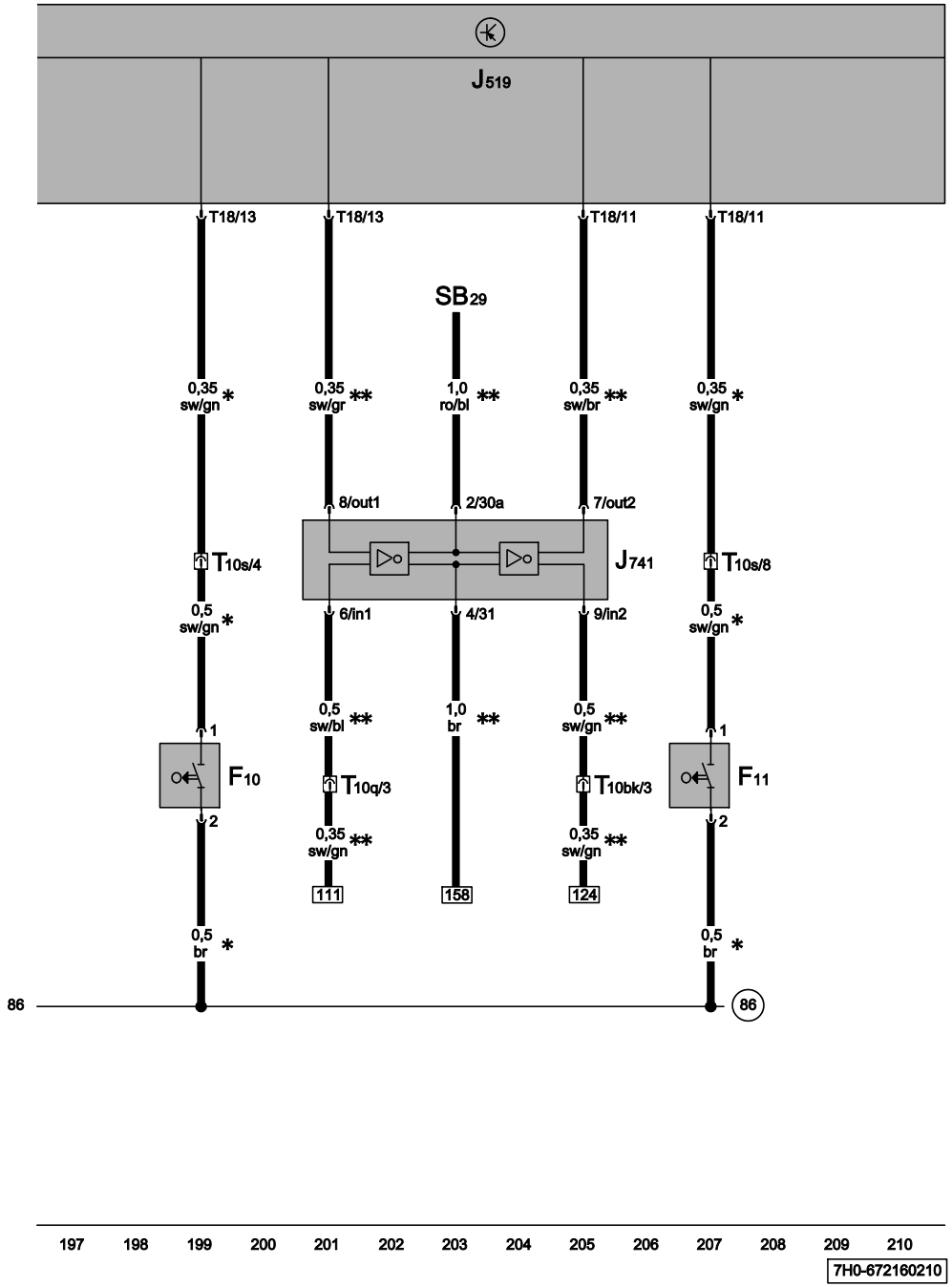
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or	=	orange
rs	=	pink



ws = white
sw = black
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Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for camper only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
(86)	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

ws	=	white
sw	=	black
ro	=	red
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gn	=	green
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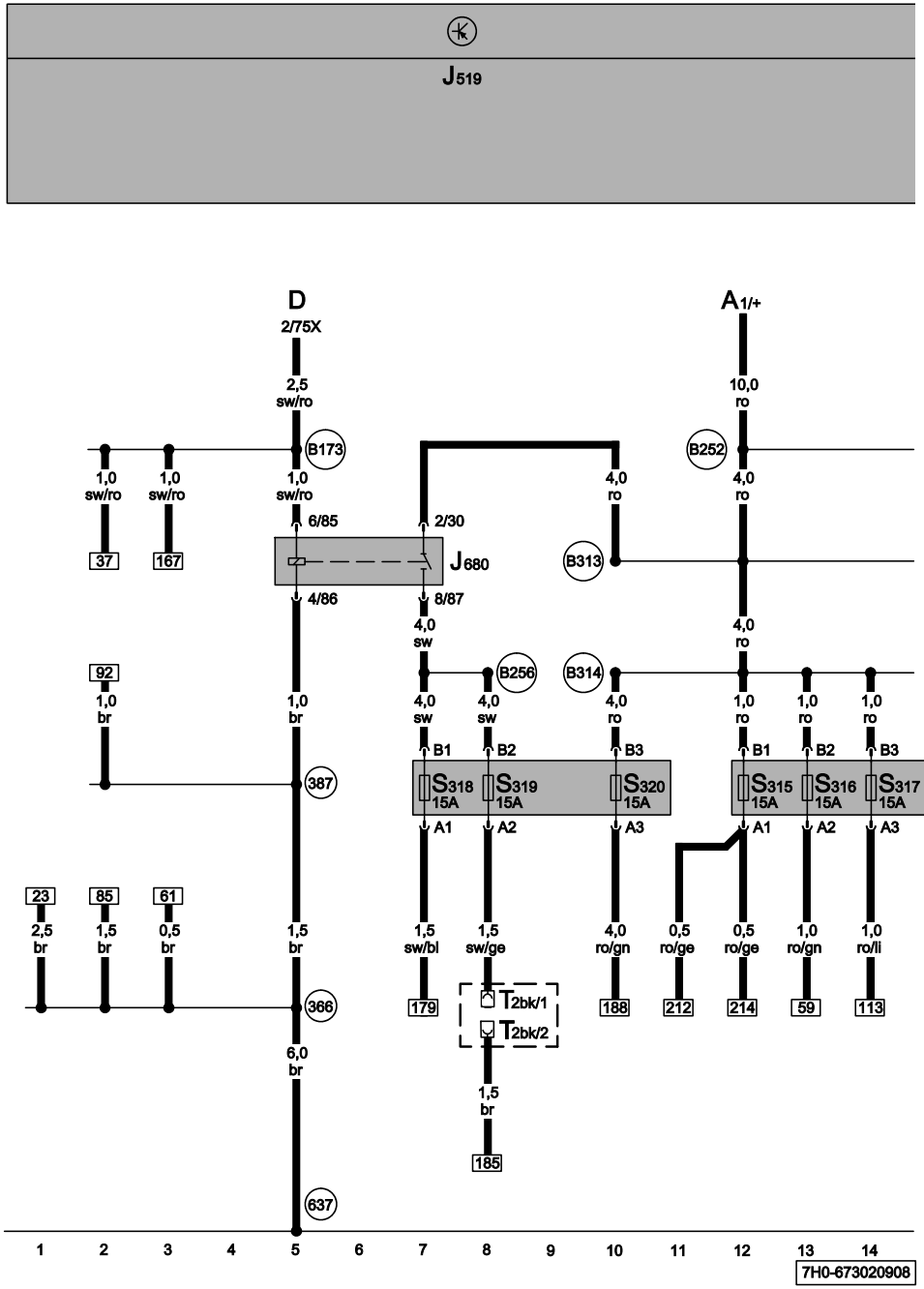
Optimal equipment, police (UF5)

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Accident data memory**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

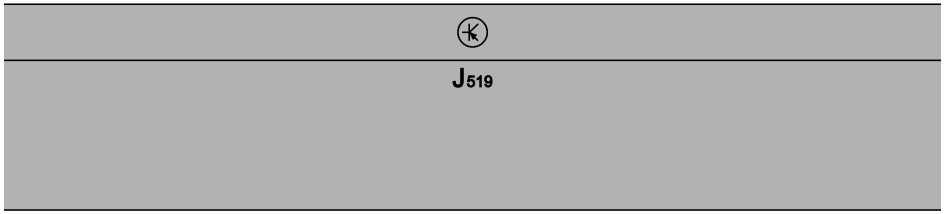
⇒ guided fault finding

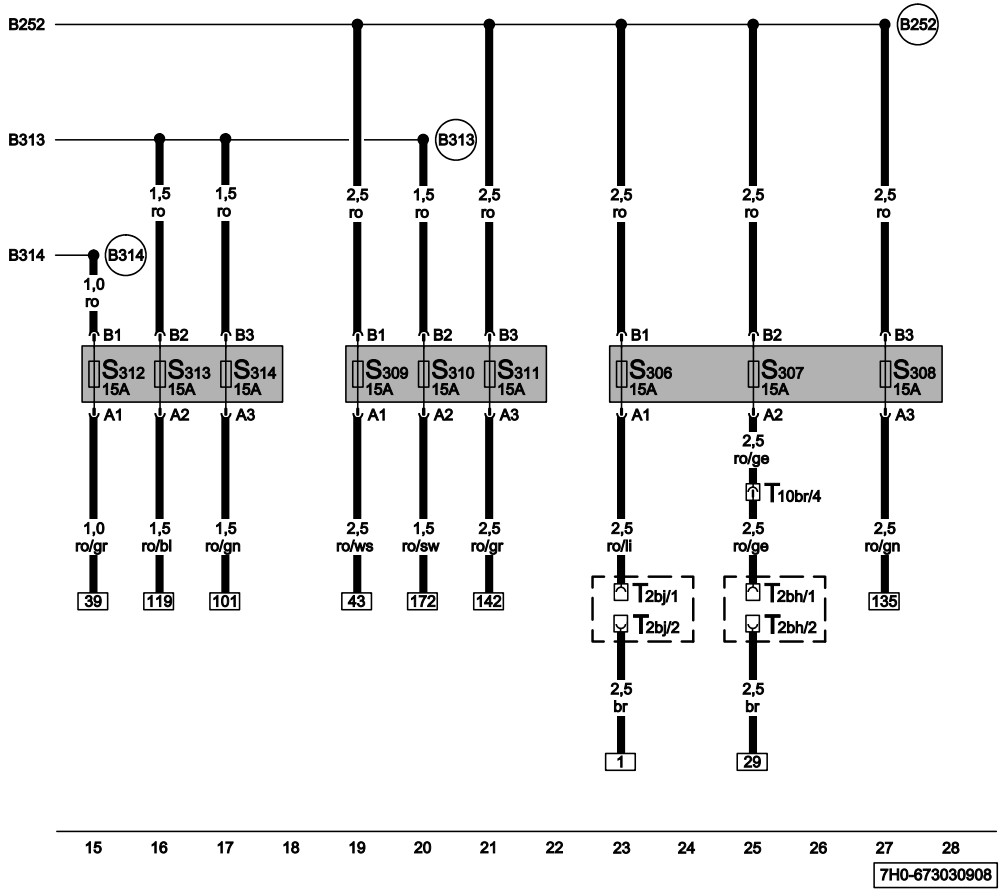


ws = white
sw = black
ro = red
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, terminal 75 voltage supply relay 1, hand-held two-way radio interface

A1	Second battery
D	Ignition/starter switch
J519	Onboard supply control unit
J680	Terminal 75 voltage supply relay 1
S315	Special vehicle fuse 25
S316	Special vehicle fuse 26
S317	Special vehicle fuse 27
S318	Special vehicle fuse 28
S319	Special vehicle fuse 29
S320	Special vehicle fuse 30
T2bk	2-pin connector, black, hand-held two-way radio interface, under front passenger seat
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B252	Positive connection (30, police), in interior wiring harness
B256	Positive connection (75x, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness
B314	Positive connection 18 (30), in main wiring harness

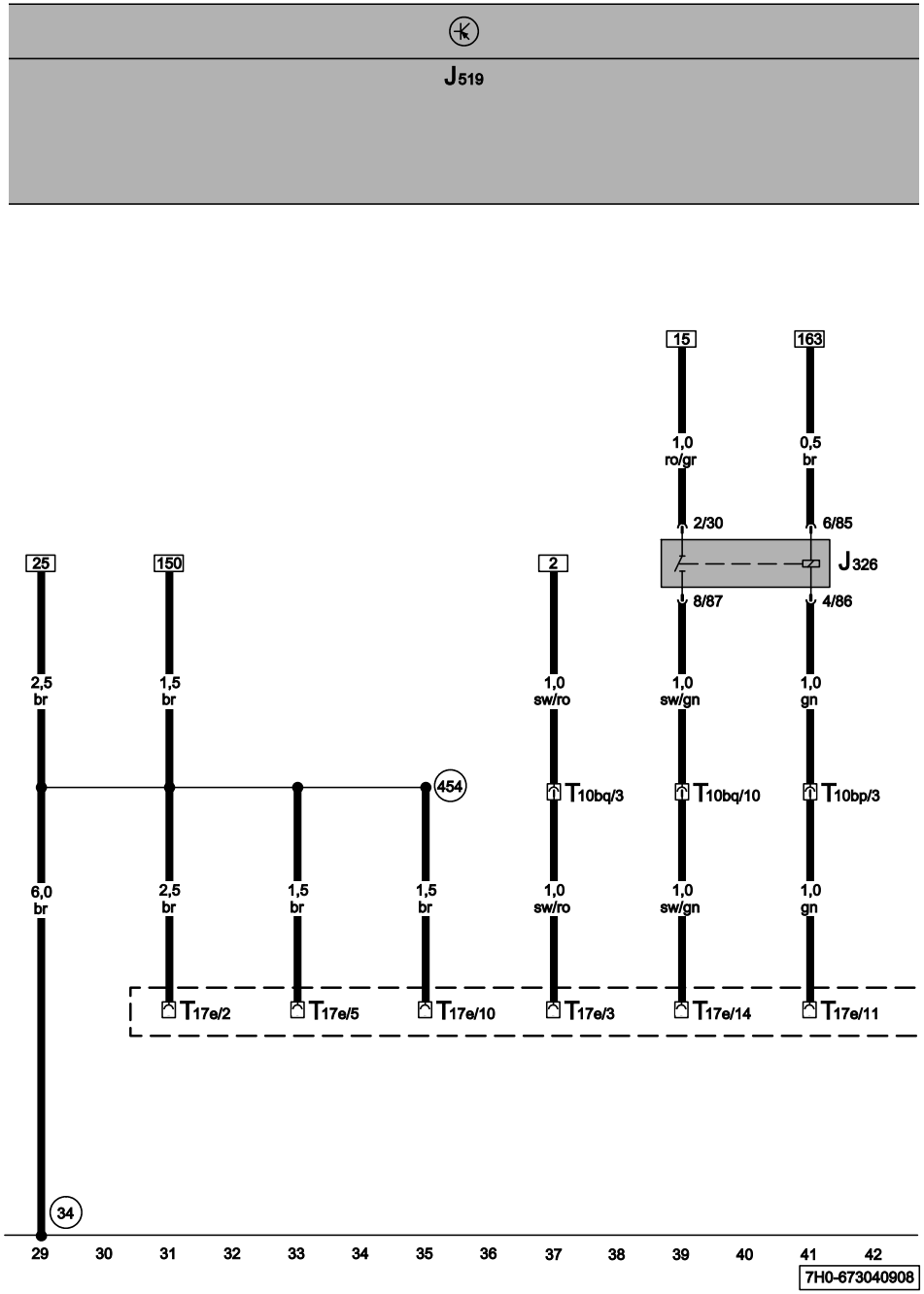




ws = white
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Fuses, socket on table interface, front socket interface

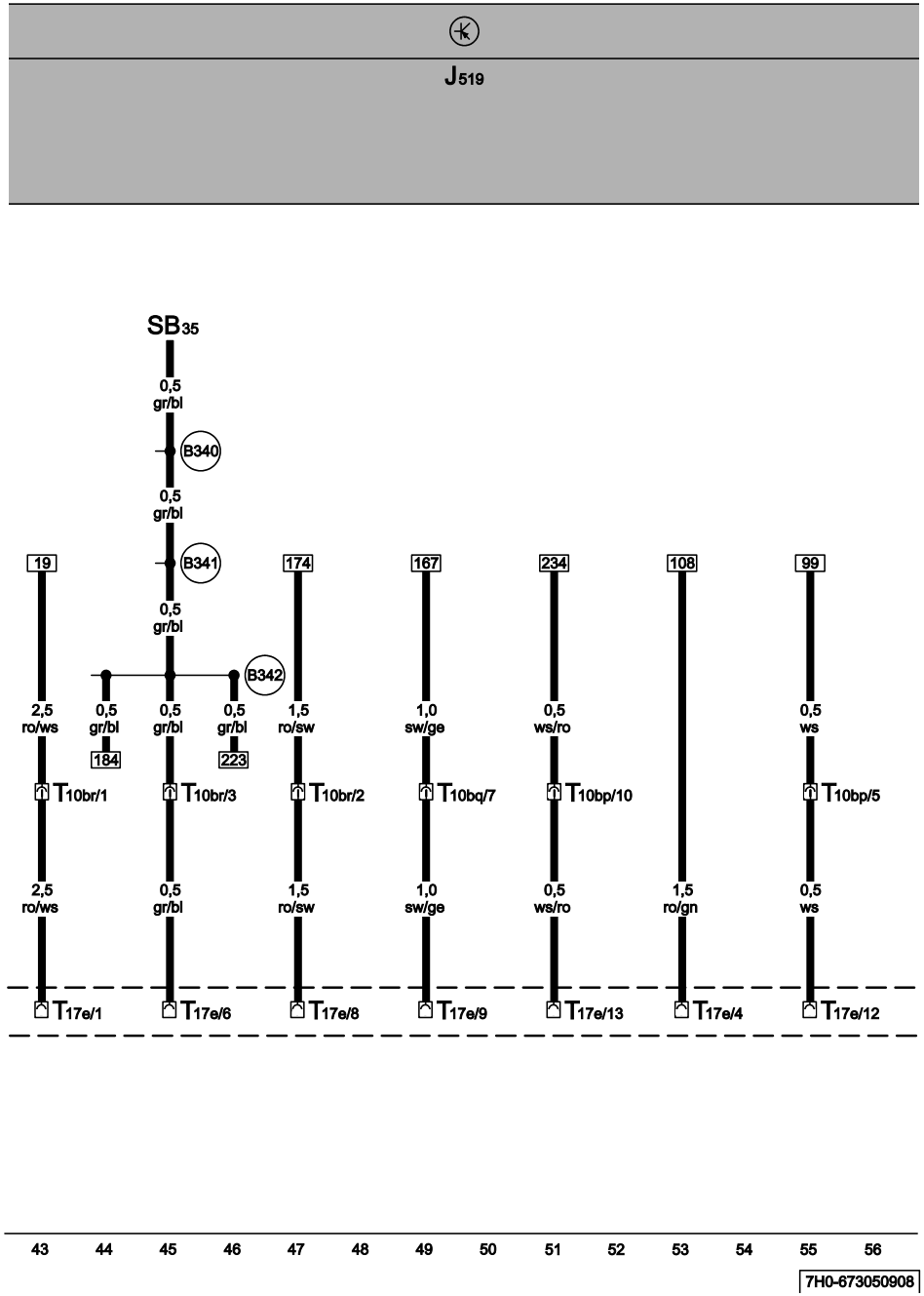
J519	Onboard supply control unit
S306	Special vehicle fuse 16
S307	Special vehicle fuse 17
S308	Special vehicle fuse 18
S309	Special vehicle fuse 19
S310	Special vehicle fuse 20
S311	Special vehicle fuse 21
S312	Special vehicle fuse 22
S313	Special vehicle fuse 23
S314	Special vehicle fuse 24
T2bh	2-pin connector, black, socket on table interface, on lower part of left C-pillar
T2bj	2-pin connector, black, front socket interface, in centre dash panel
T10br	10-pin connector, blue, coupling station under driver seat
B252	Positive connection (30, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness
B314	Positive connection 18 (30), in main wiring harness



Special signals interface, rotating light relay

J326	Rotating light relay
J519	Onboard supply control unit
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
34	Earth point, under driver seat
454	Earth connection 4, in optional equipment wiring harness

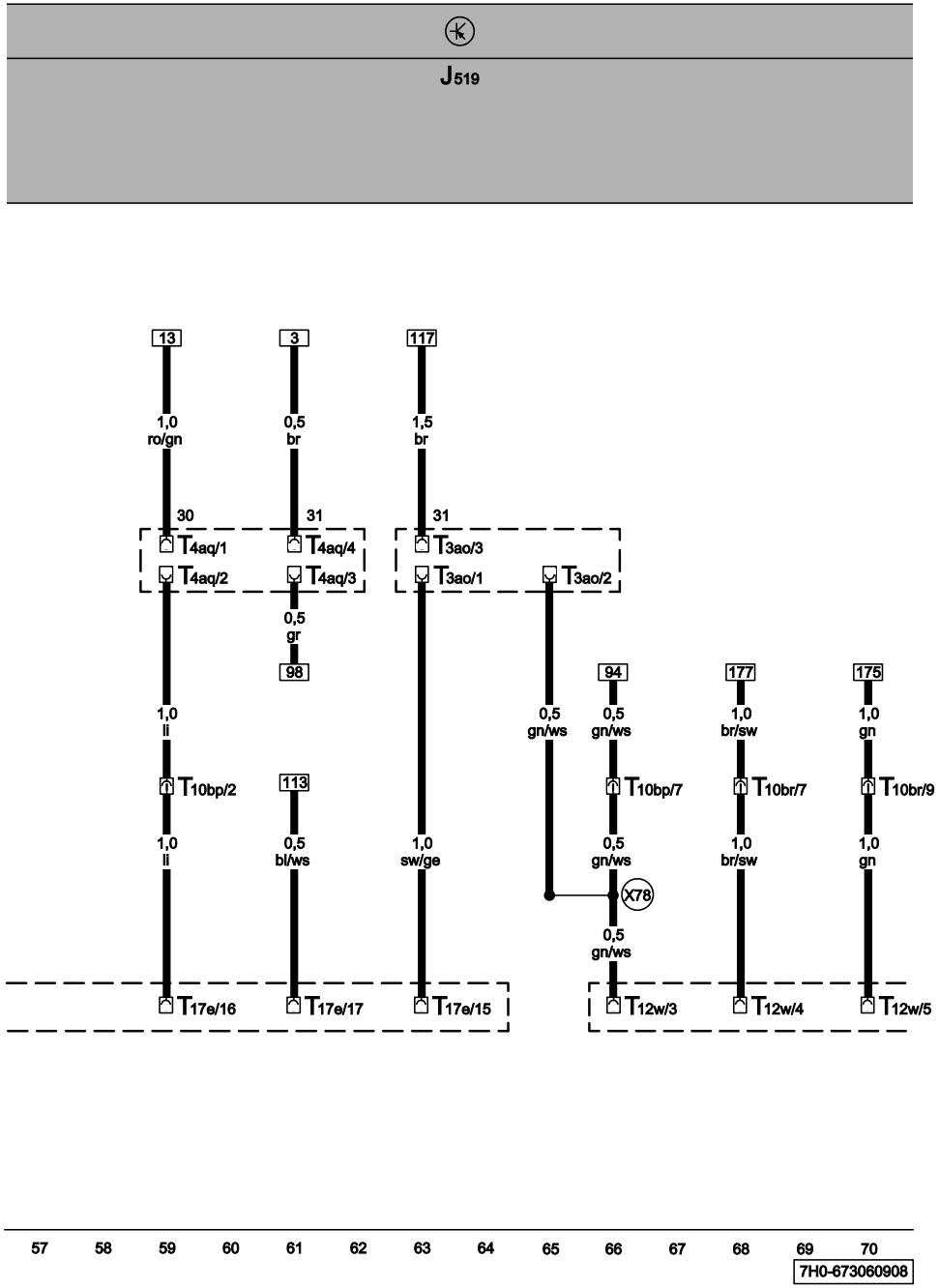
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Special signals interface

J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness

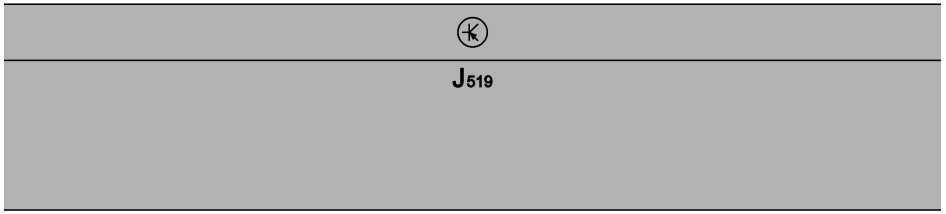
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ge	=	yellow
or	=	orange
rs	=	pink



Special signals interface, third rotating light interface, front 'stop' command light interface

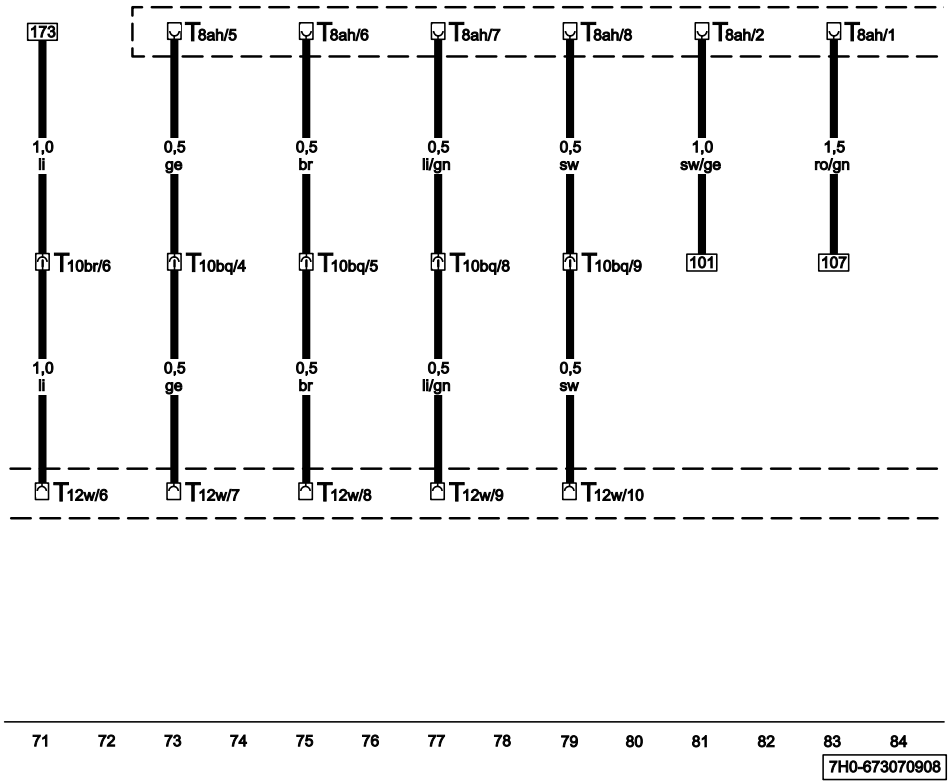
J519	Onboard supply control unit
T3ao	3-pin connector, black, third rotating light interface, under roof, near left D-pillar
T4aq	4-pin connector, black, front 'stop' command light interface, on air filter
T10bp	10-pin connector, green, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
X78	Connection 1, in optional equipment wiring harness

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or	=	orange
rs	=	pink

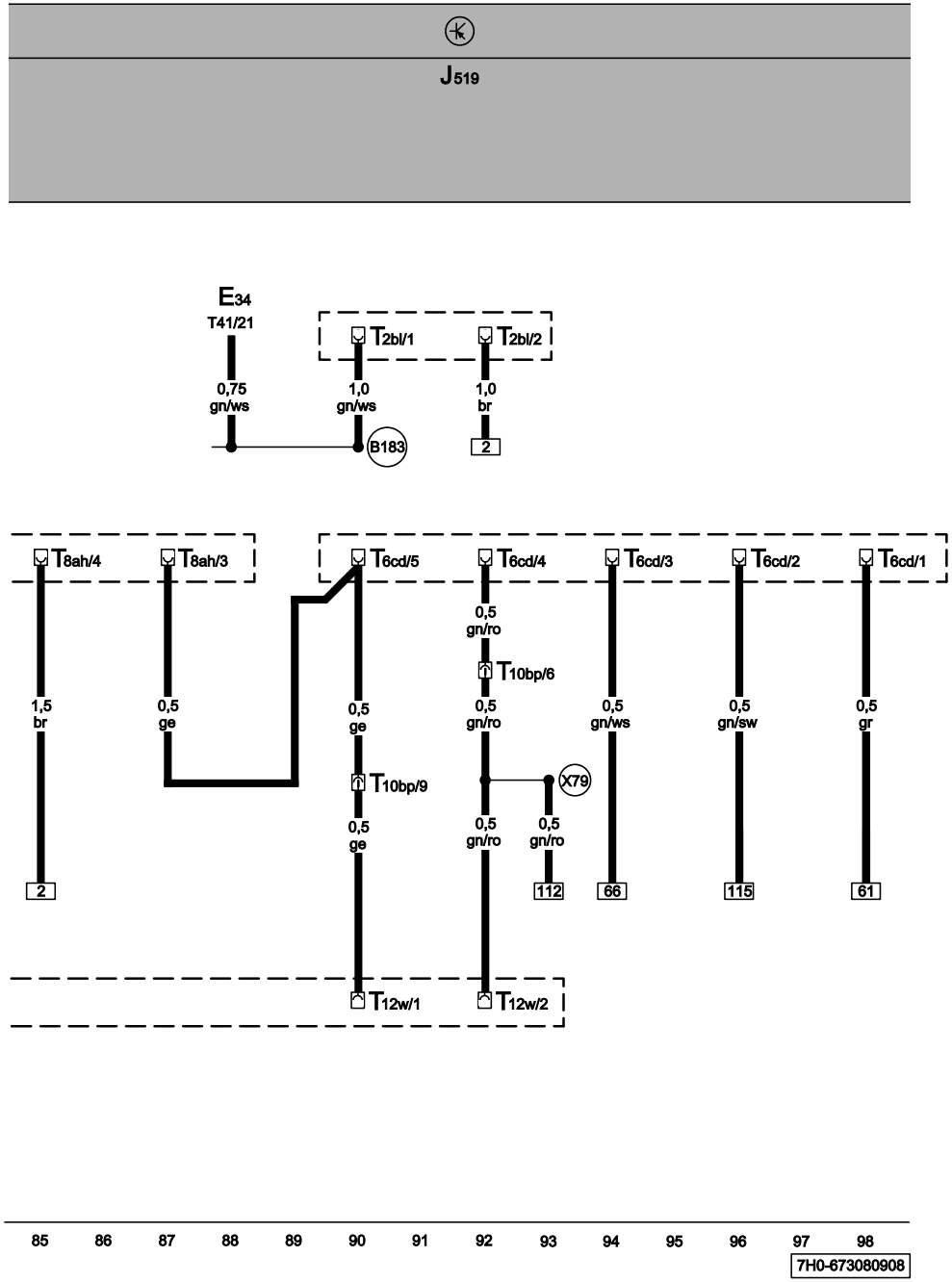


Special signals interface, loudspeaker and front LED speed camera interface

J519	Onboard supply control unit
T8ah	8-pin connector, black, loudspeaker/ front LED speed camera interface, on air filter
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar



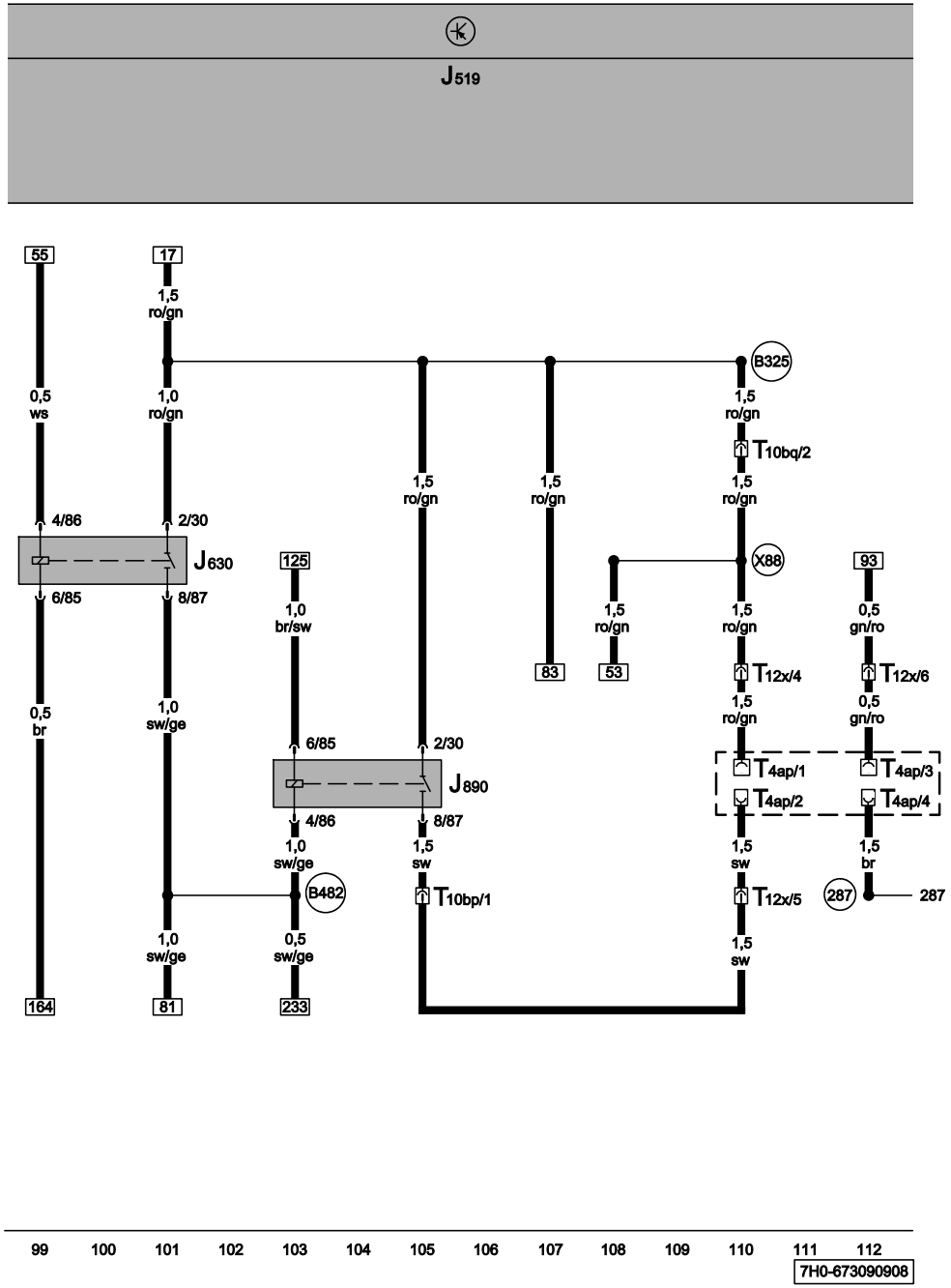
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Special signals interface, loudspeaker and front LED speed camera interface, warning lamps interface, rear wiper warning lamp interface

E34	Rear wiper switch
J519	Onboard supply control unit
T2bl	2-pin connector, black, rear wiper warning lamp interface
T6cd	6-pin connector, black, warning lamps interface
T8ah	8-pin connector, black, loudspeaker/ front LED speed camera interface, on air filter
T10bp	10-pin connector, green, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T41	41-pin connector
B183	Connection 1 (washer pump), in interior wiring harness
X79	Connection 2, in optional equipment wiring harness

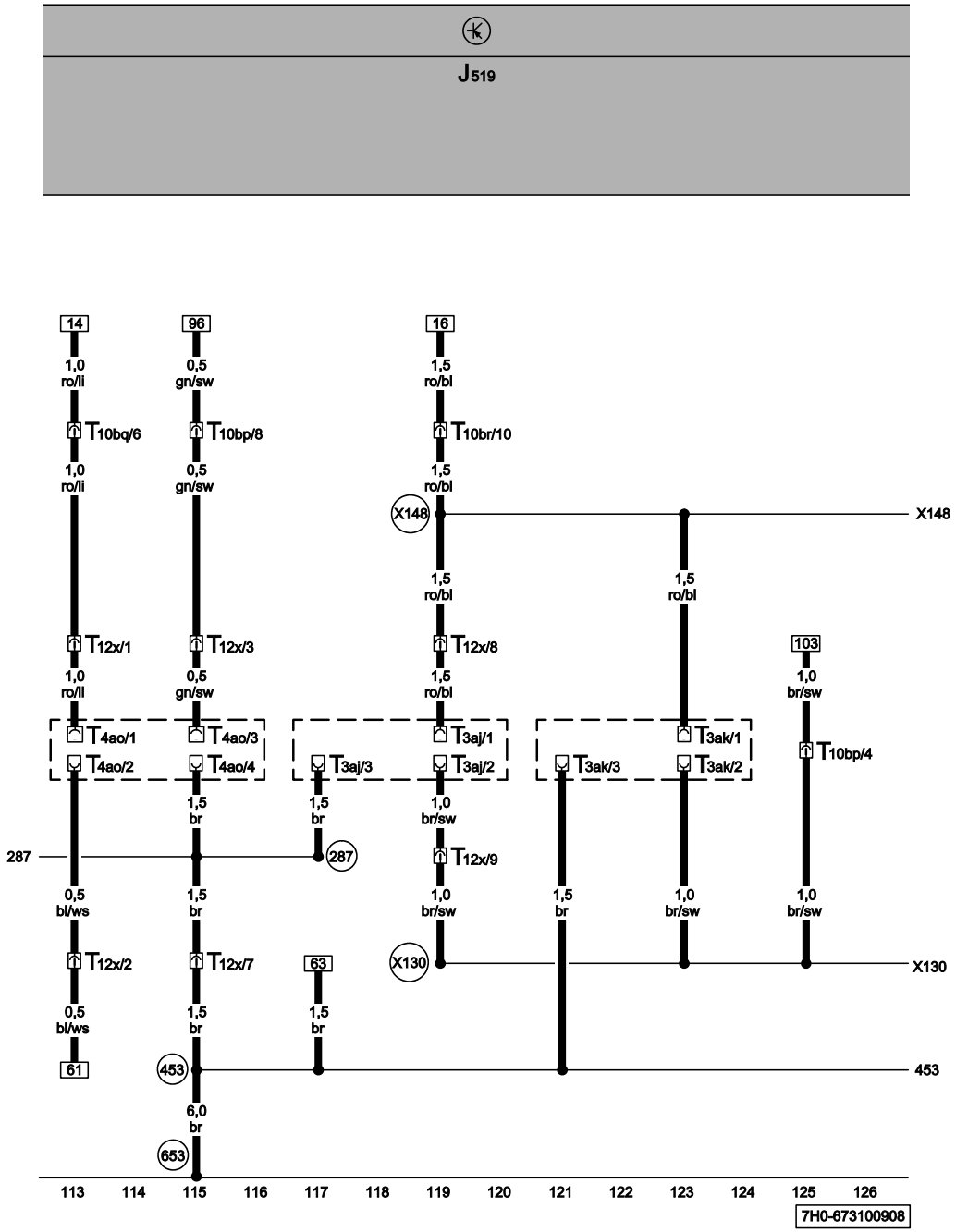
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Flashing lights relay, flashing lights relay 2, rear LED speed camera interface

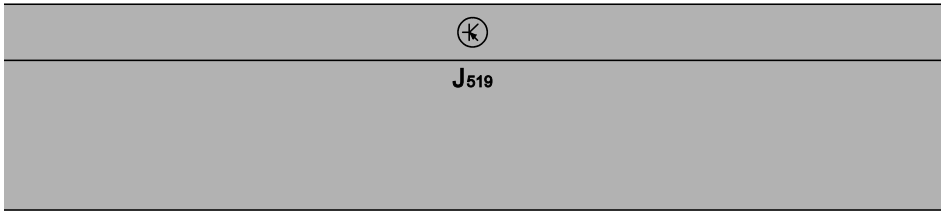
J519	Onboard supply control unit
J630	Flashing lights relay
J890	Flashing lights relay 2
T4ap	4-pin connector, black, rear LED speed camera interface, in rear lid
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T12x	12-pin connector, brown, under roof, near left D-pillar
287	Earth connection, in rear lid feeder wiring harness
B325	Positive connection 11 (30a), in main wiring harness
B482	Connection 18 in main wiring harness
X88	Positive connection (30a, blue flashing light), in optional equipment wiring harness

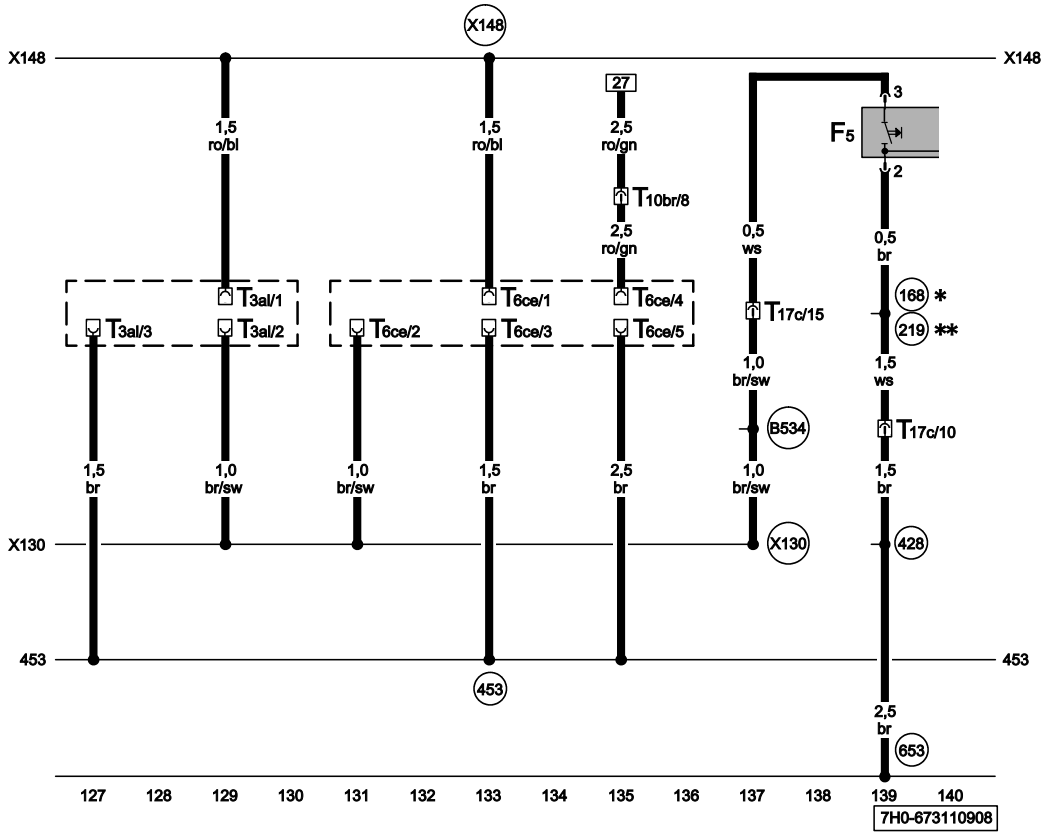


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear luggage compartment light interface, left bottom interior light interface, rear 'stop' command light interface

J519	Onboard supply control unit
T3aj	3-pin connector, black, rear luggage compartment light interface, in rear lid
T3ak	3-pin connector, black, left bottom interior light interface, on wheel arch
T4ao	4-pin connector, black, rear 'stop' command light interface, in rear lid
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12x	12-pin connector, brown, under roof, near left D-pillar
287	Earth connection, in rear lid feeder wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness

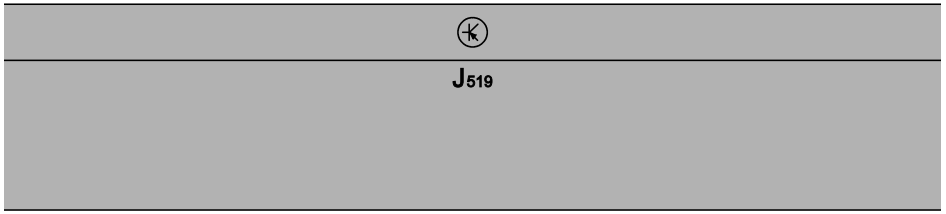


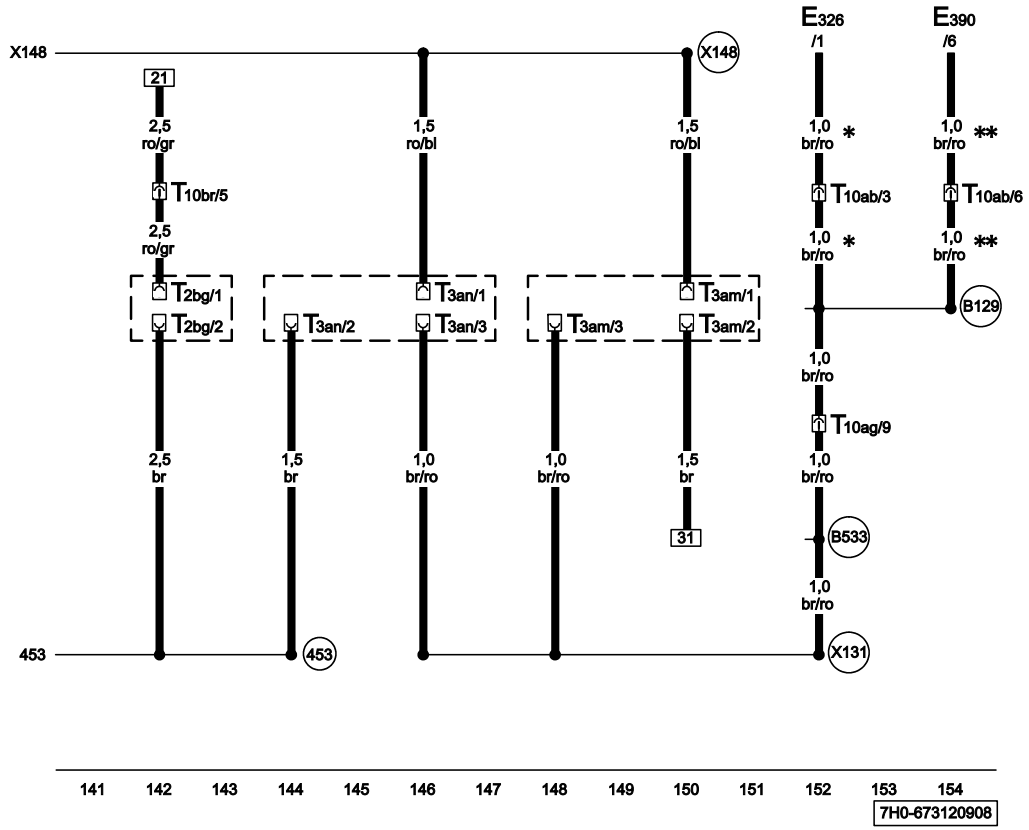


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear interior light interface, interior light/ socket interface, luggage compartment light switch

F5	Luggage compartment light switch
J519	Onboard supply control unit
T3al	3-pin connector, black, rear interior light interface, under roof, between C-pillar and left D-pillar
T6ce	6-pin connector, black, interior light/ socket interface, on lower part of right D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
B534	Connection 1 (luggage compartment switch), in roof wiring harness
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models with rear wing doors only
**	for models with rear lid only

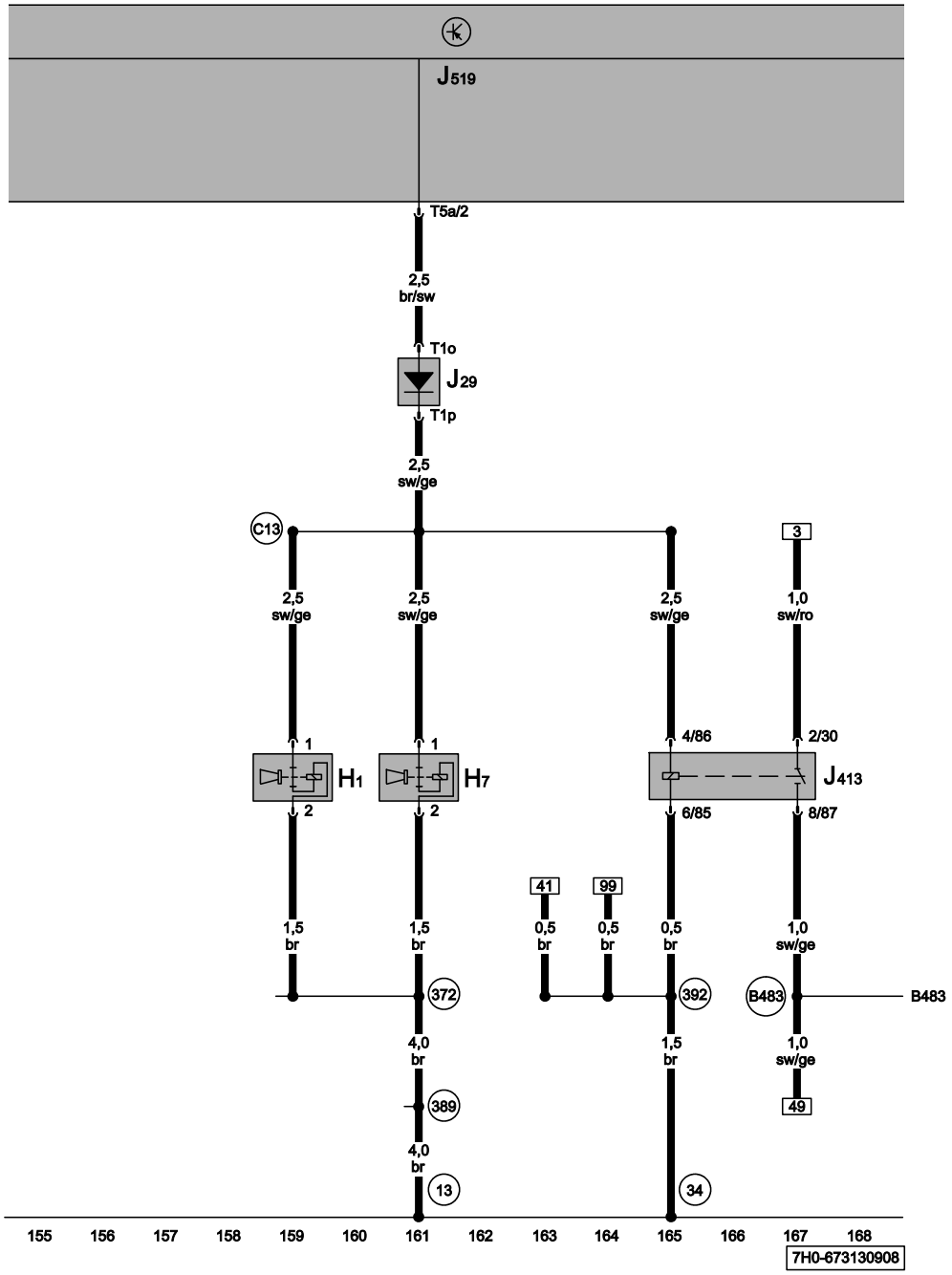




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left socket interface, interior light 1 on table interface, interior light 2 on table interface

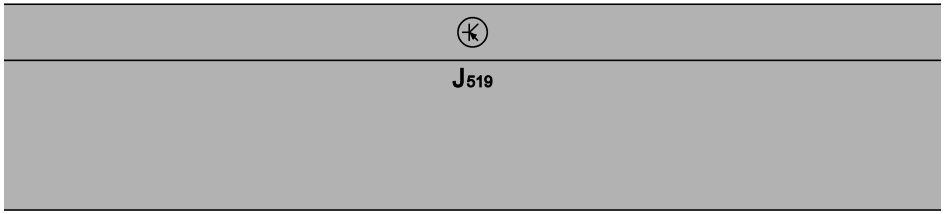
E326	Front interior light button
E390	Interior lighting central switch button
J519	Onboard supply control unit
T2bg	2-pin connector, black, rear left socket interface, on wheel arch
T3am	3-pin connector, black, interior light 1 on table interface, under roof, between B-pillar and left C-pillar
T3an	3-pin connector, black, interior light 2 on table interface, under roof, near left C-pillar
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10br	10-pin connector, blue, coupling station under driver seat
453	Earth connection 3, in optional equipment wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B533	Connection 1 (DCt), in roof wiring harness
X131	Connection 4, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models without roof console only ⇒ interior lights Current Flow Diagram
**	for models with roof console only ⇒ interior lights Current Flow Diagram

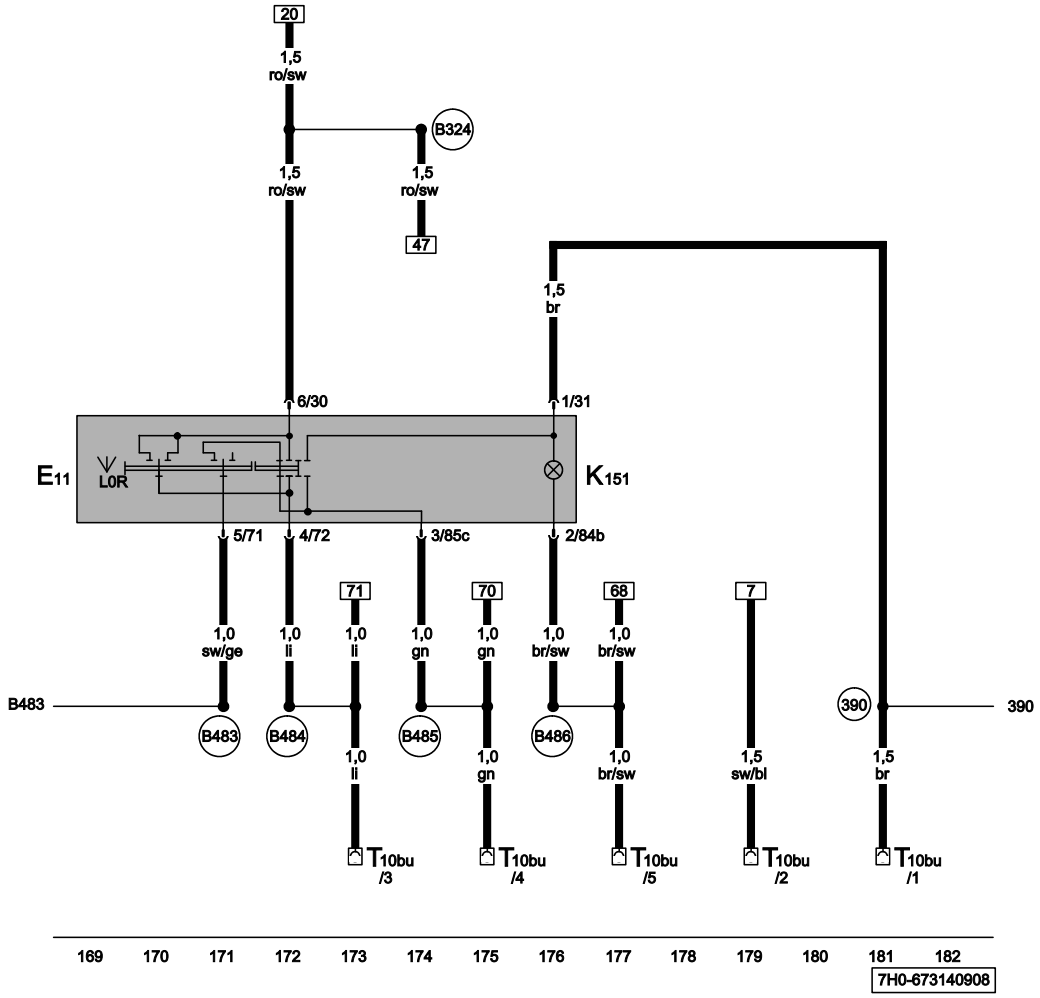


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Horn or dual tone horn, blocking diode, horn relay

H1	Horn or dual tone horn
H7	Bass tone horn
J29	Blocking diode
J413	Horn relay
J519	Onboard supply control unit
T1o	Single connector
T1p	Single connector
T5a	5-pin connector, brown
13	Earth point, on right in engine compartment
34	Earth point, under driver seat
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
392	Earth connection 27, in main wiring harness
B483	Connection 19 in main wiring harness
C13	Positive connection in dual tone horn wiring harness

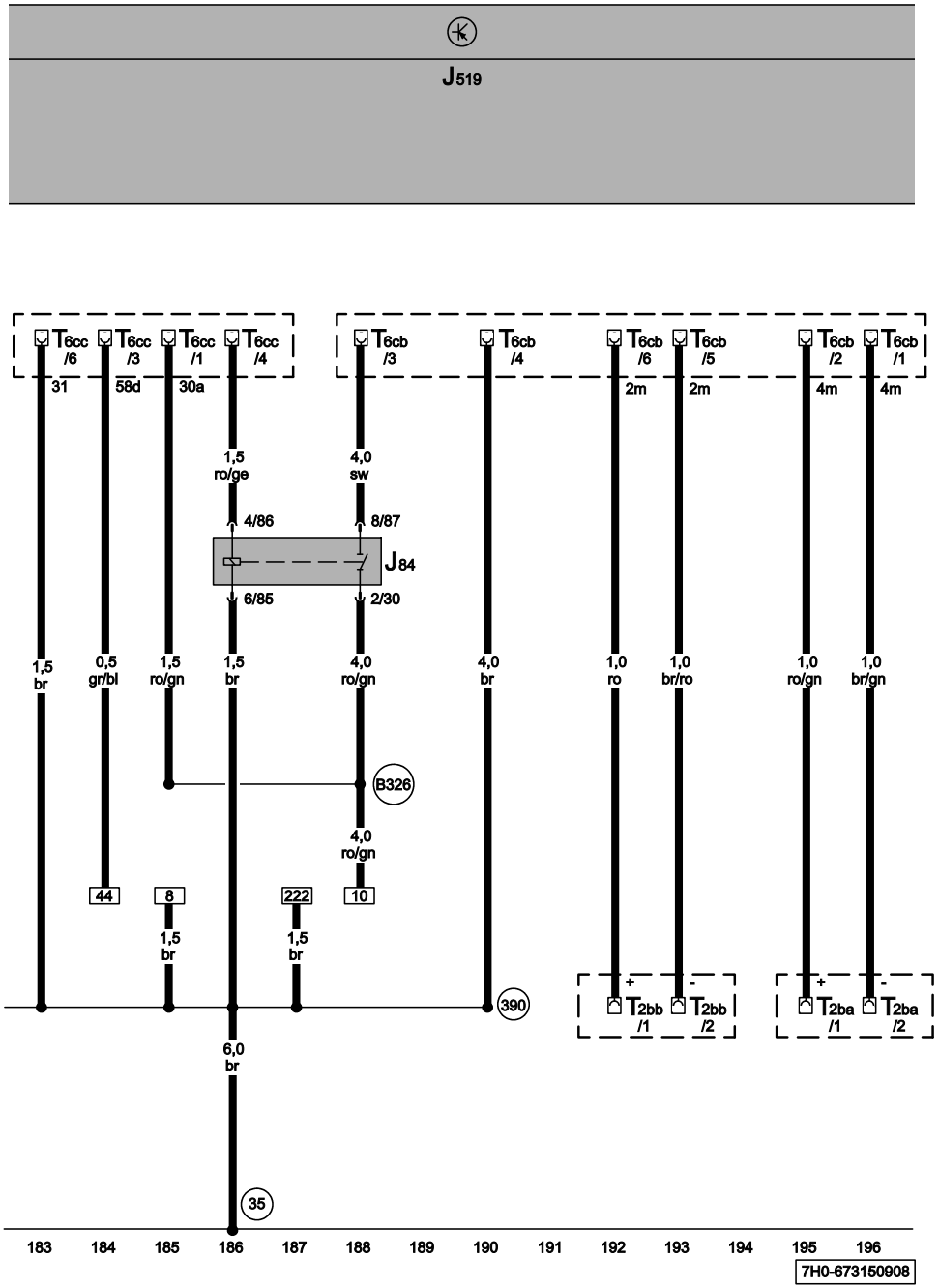




Rotating light and siren system switch, left rotating light warning lamp, flashlight interface

E11	Rotating light and siren system switch
J519	Onboard supply control unit
K151	Left rotating light warning lamp
T10bu	10-pin connector, blue, flashlight interface, under driver seat
390	Earth connection 25, in main wiring harness
B324	Positive connection 10 (30a), in main wiring harness
B483	Connection 19 in main wiring harness
B484	Connection 20 in main wiring harness
B485	Connection 21 in main wiring harness
B486	Connection 22 in main wiring harness

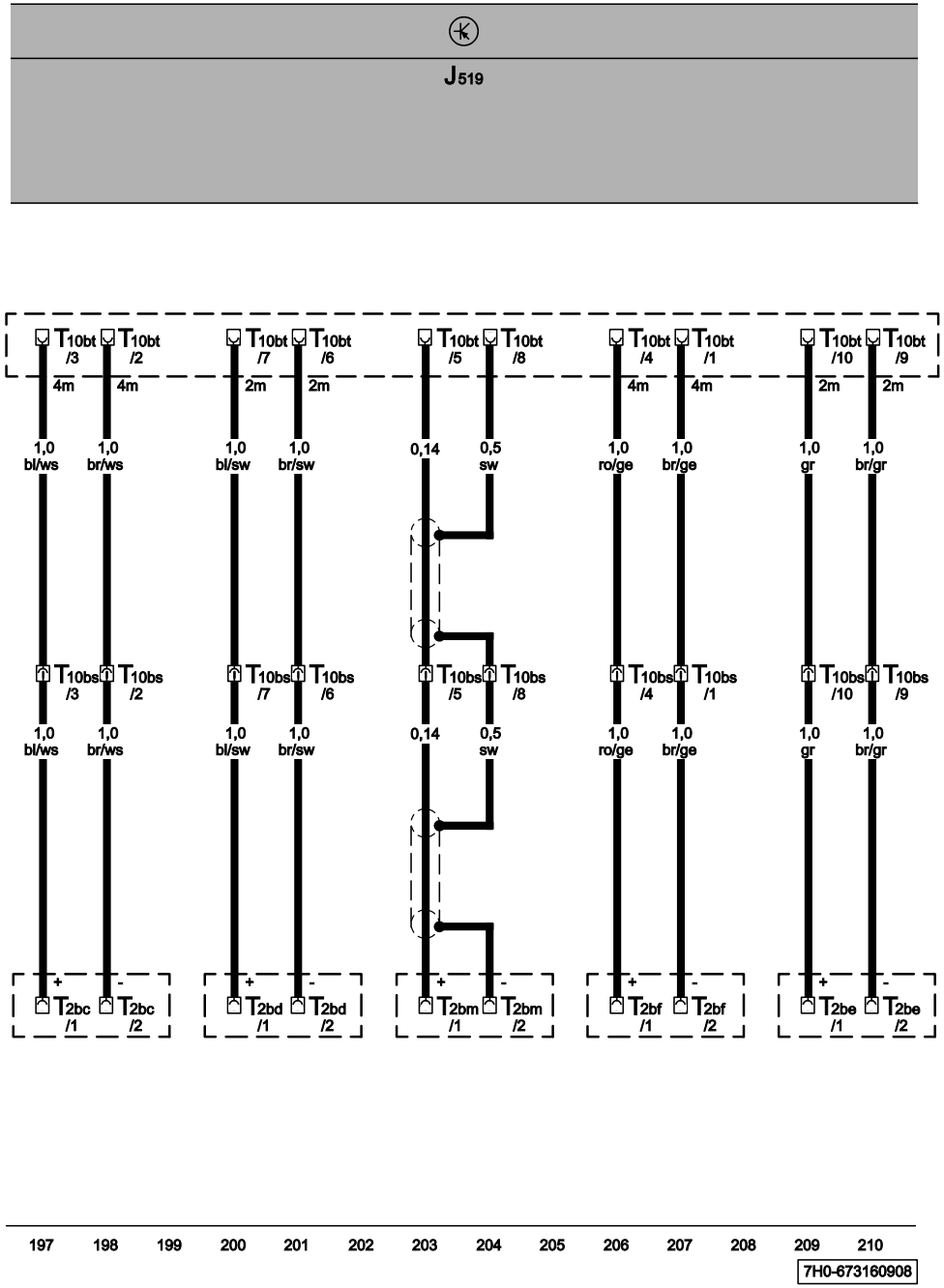
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Two-way radio interface, front loudspeaker interface, two-way radio switch interface, two-way radio cut-off relay

J84	Two-way radio cut-off relay
J519	Onboard supply control unit
T2ba	2-pin connector, black, front loudspeaker interface, in right dash panel
T2bb	2-pin connector, black, front loudspeaker interface, in left dash panel
T6cb	6-pin connector, black, two-way radio interface, under front passenger seat
T6cc	6-pin connector, black, 2-way radio switch interface
35	Earth point, under front passenger seat
390	Earth connection 25, in main wiring harness
B326	Positive connection 12 (30a), in main wiring harness

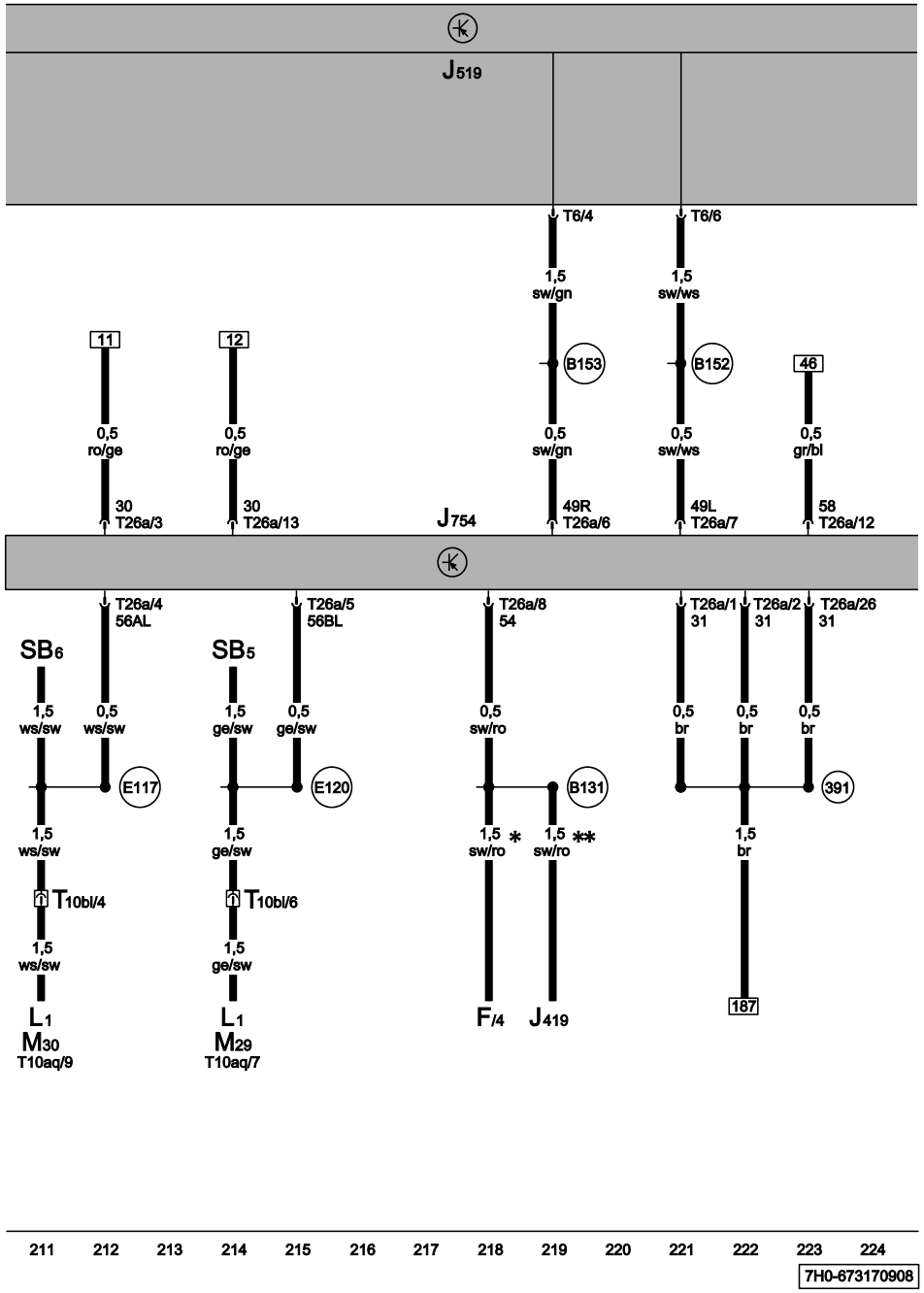
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br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Two-way radio interface, middle loudspeaker interface, rear loudspeaker interface, microphone interface

J519	Onboard supply control unit
T2bc	2-pin connector, black, middle loudspeaker interface, under roof, near right B-pillar
T2bd	2-pin connector, black, middle loudspeaker interface, under roof, near left B-pillar
T2be	2-pin connector, black, rear loudspeaker interface, under roof, between B-pillar and left C-pillar
T2bf	2-pin connector, black, rear loudspeaker interface, under roof, between B-pillar and right C-pillar
T2bm	2-pin connector, black, microphone interface, on interior light
T10bs	10-pin connector, dark brown, coupling station under driver seat
T10bt	10-pin connector, dark brown, two-way radio interface, under front passenger seat

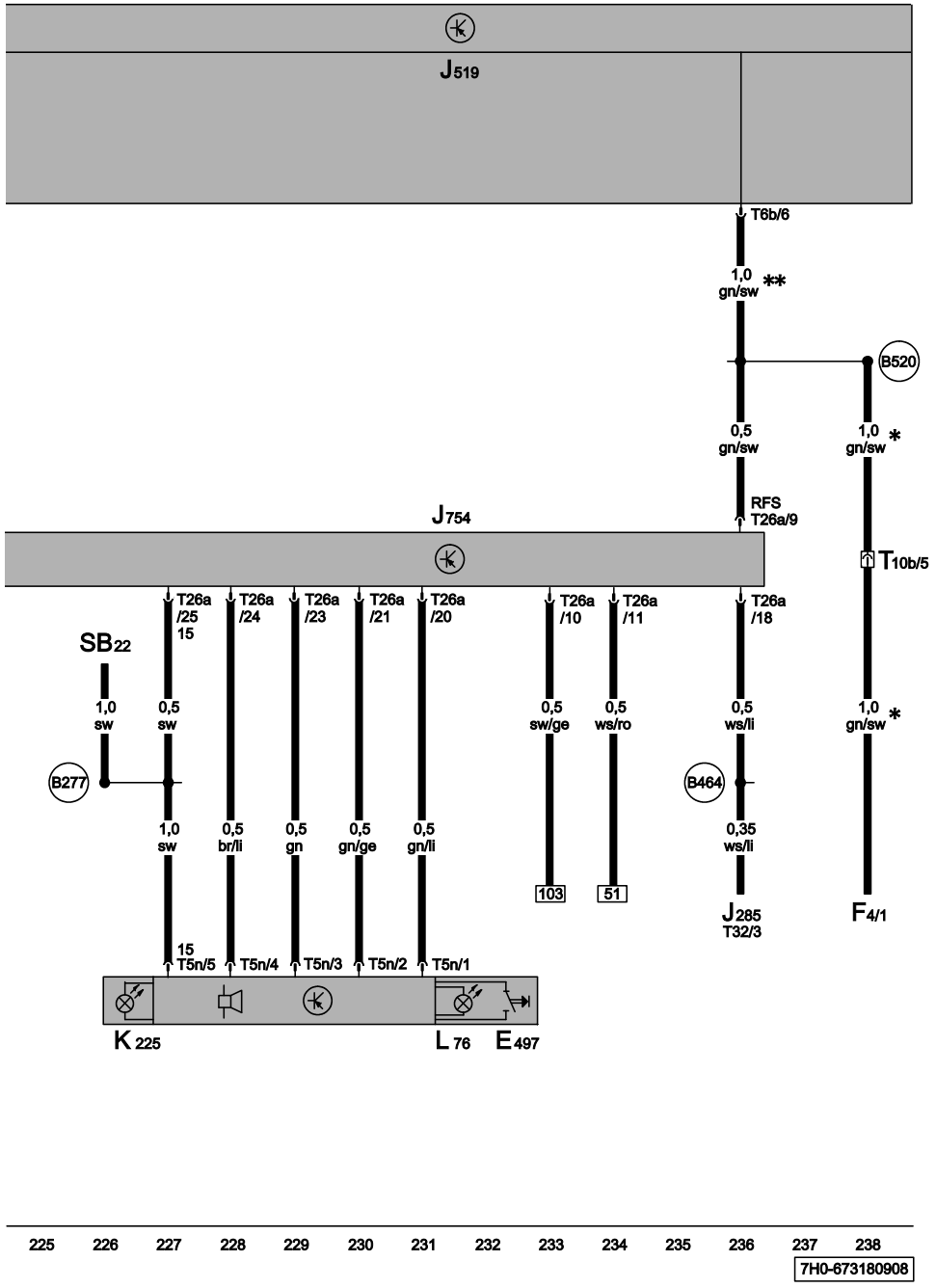
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Accident data memory

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J754	Accident data memory
L1	Left headlight twin filament bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T6	6-pin connector, black
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T26a	26-pin connector, black, under front passenger seat
391	Earth connection 26, in main wiring harness
B131	Connection (54), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with ABS and without ESP only
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Accident data recorder, accident data recorder button, accident recorder warning lamp, button illumination bulb

E497	Accident data recorder button
F4	Reversing light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J754	Accident data memory
K225	Accident recorder warning lamp
L76	Button illumination bulb
SB22	Fuse 22 on fuse holder B
T5n	5-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
B277	Positive connection 1 (15a), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B520	Connection (RL), in main wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox (G1A) only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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ge	=	yellow
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rs	=	pink

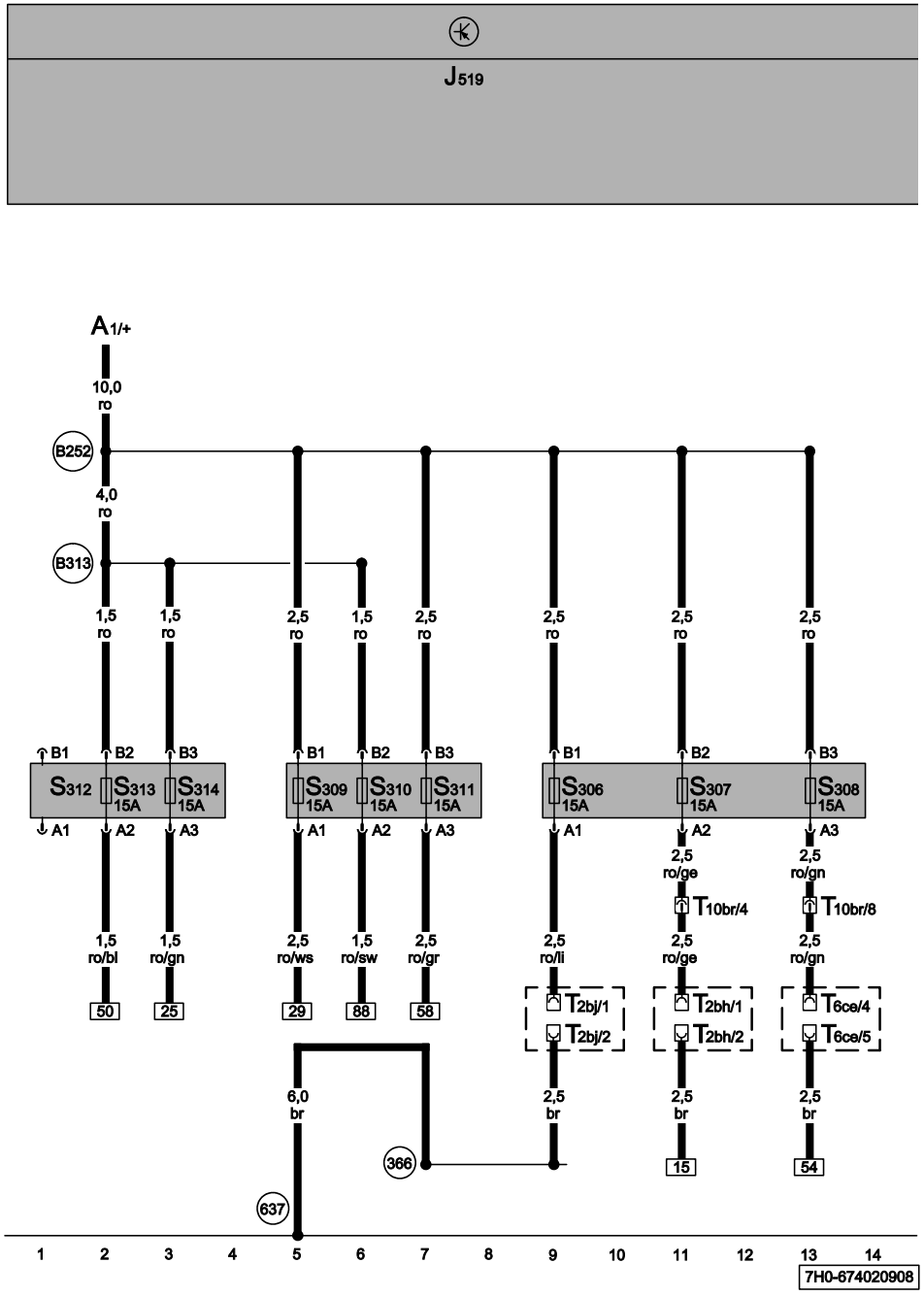
Optimal equipment, police (UF4)

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Accident data memory**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

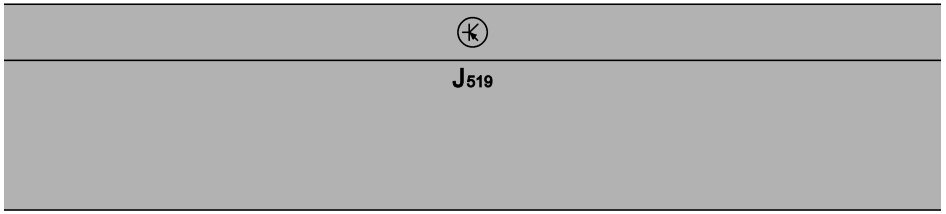
⇒ guided fault finding

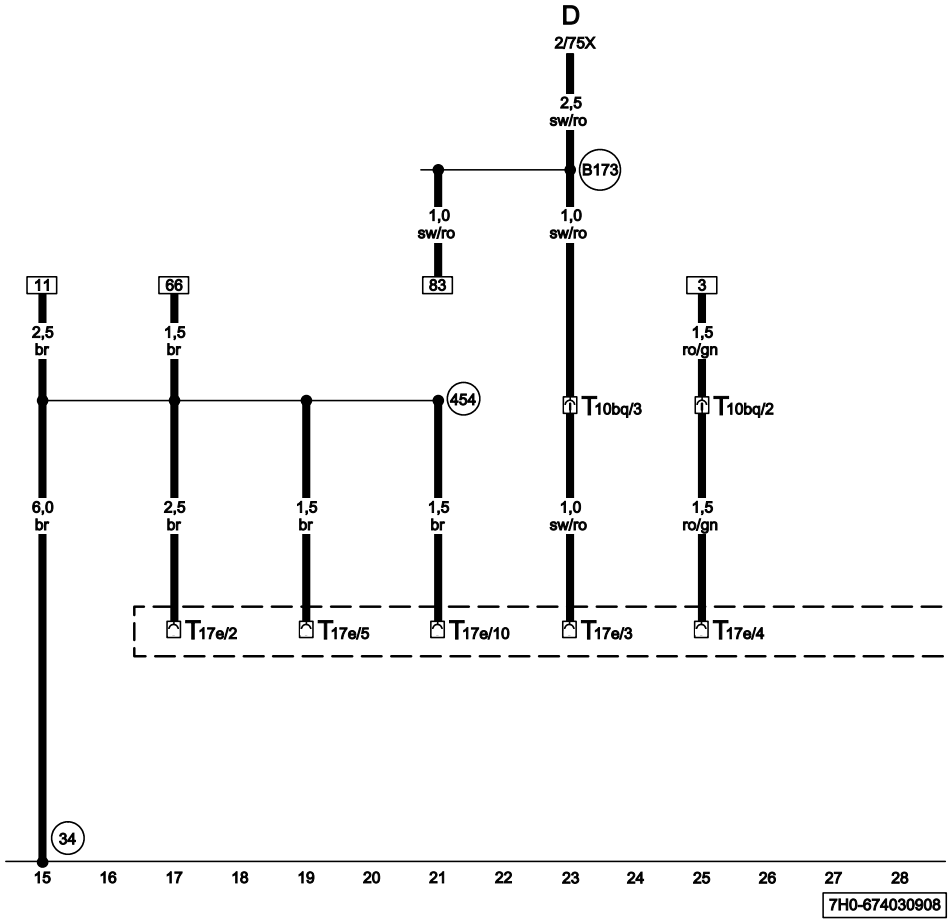


ws = white
sw = black
ro = red
br = brown
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gr = grey
li = purple
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Fuses, socket on table interface, front socket interface, interior light/ socket interface

A1	Second battery
J519	Onboard supply control unit
S306	Special vehicle fuse 16
S307	Special vehicle fuse 17
S308	Special vehicle fuse 18
S309	Special vehicle fuse 19
S310	Special vehicle fuse 20
S311	Special vehicle fuse 21
S312	Special vehicle fuse 22
S313	Special vehicle fuse 23
S314	Special vehicle fuse 24
T2bh	2-pin connector, black, socket on table interface, on lower part of left C-pillar
T2bj	2-pin connector, black, front socket interface, in centre dash panel
T6ce	6-pin connector, black, interior light/ socket interface, on lower part of right D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
B252	Positive connection (30, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness

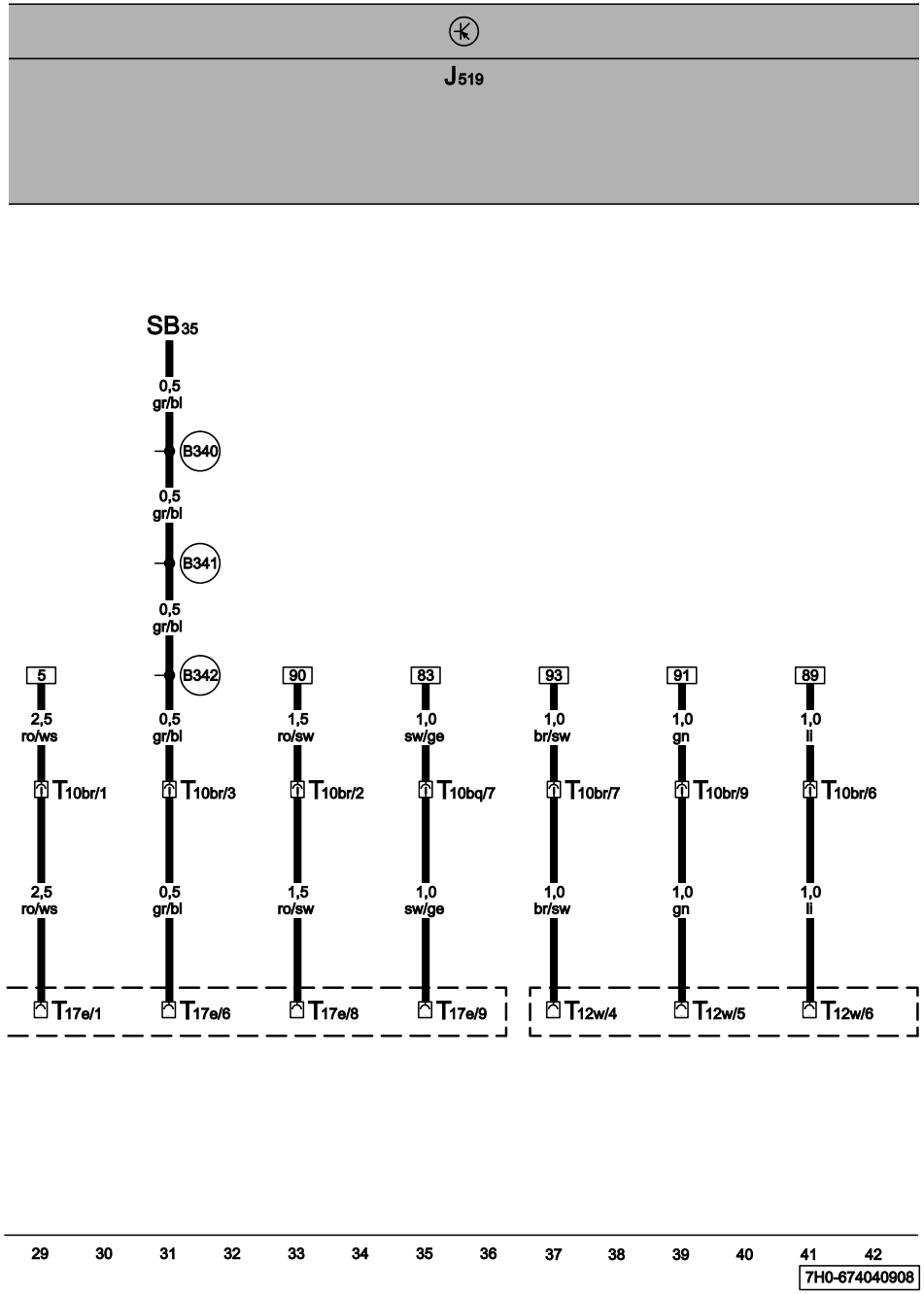




Special signals interface

D	Ignition/starter switch
J519	Onboard supply control unit
T10bq	10-pin connector, orange, coupling station under driver seat
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
34	Earth point, under driver seat
454	Earth connection 4, in optional equipment wiring harness
B173	Positive connection 2 (X), in interior wiring harness

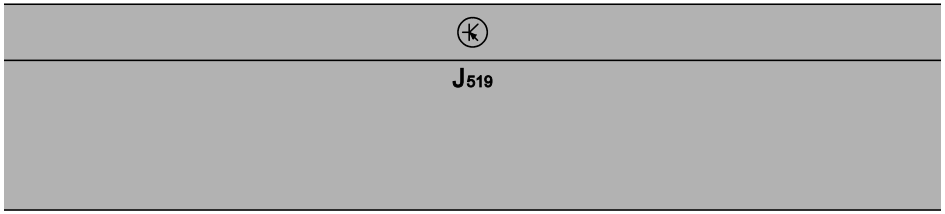
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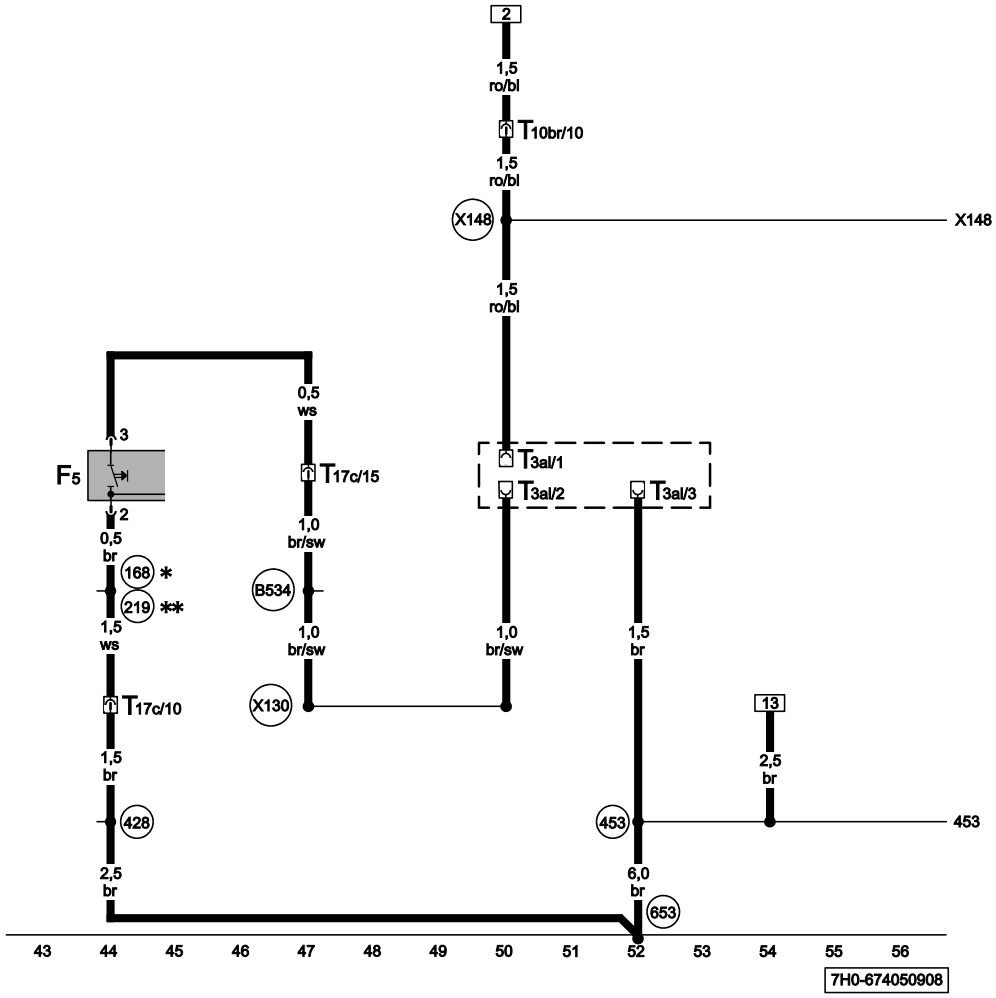


Special signals interface

J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T17e	17-pin connector, black, special signals interface, under roof, near left B-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
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li	=	purple
ge	=	yellow
or	=	orange
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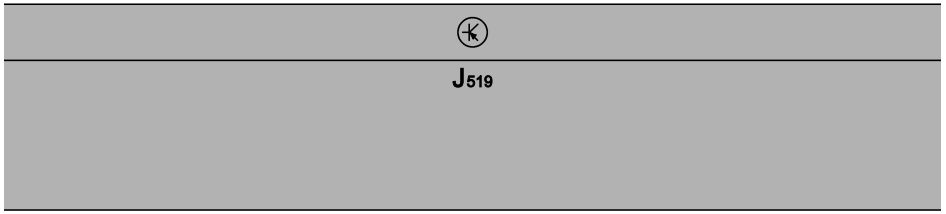


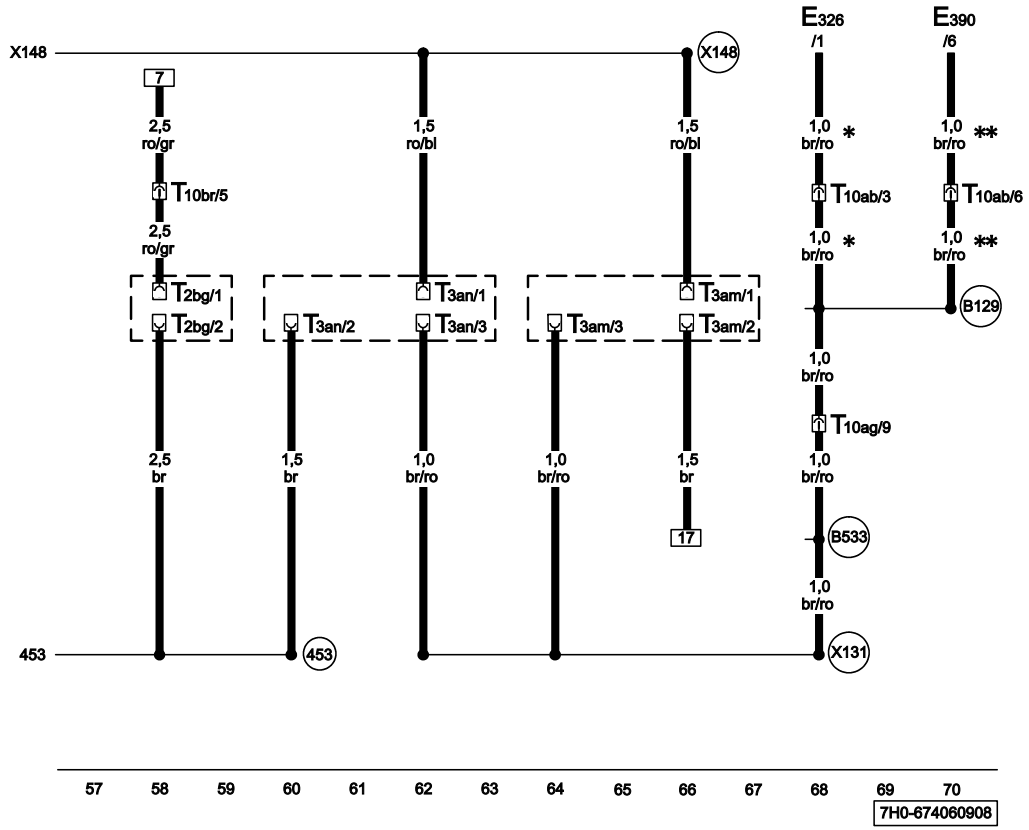


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear interior light interface, luggage compartment light switch

F5	Luggage compartment light switch
J519	Onboard supply control unit
T3al	3-pin connector, black, rear interior light interface, under roof, between C-pillar and left D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
B534	Connection 1 (luggage compartment switch), in roof wiring harness
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models with rear wing doors only
**	for models with rear lid only

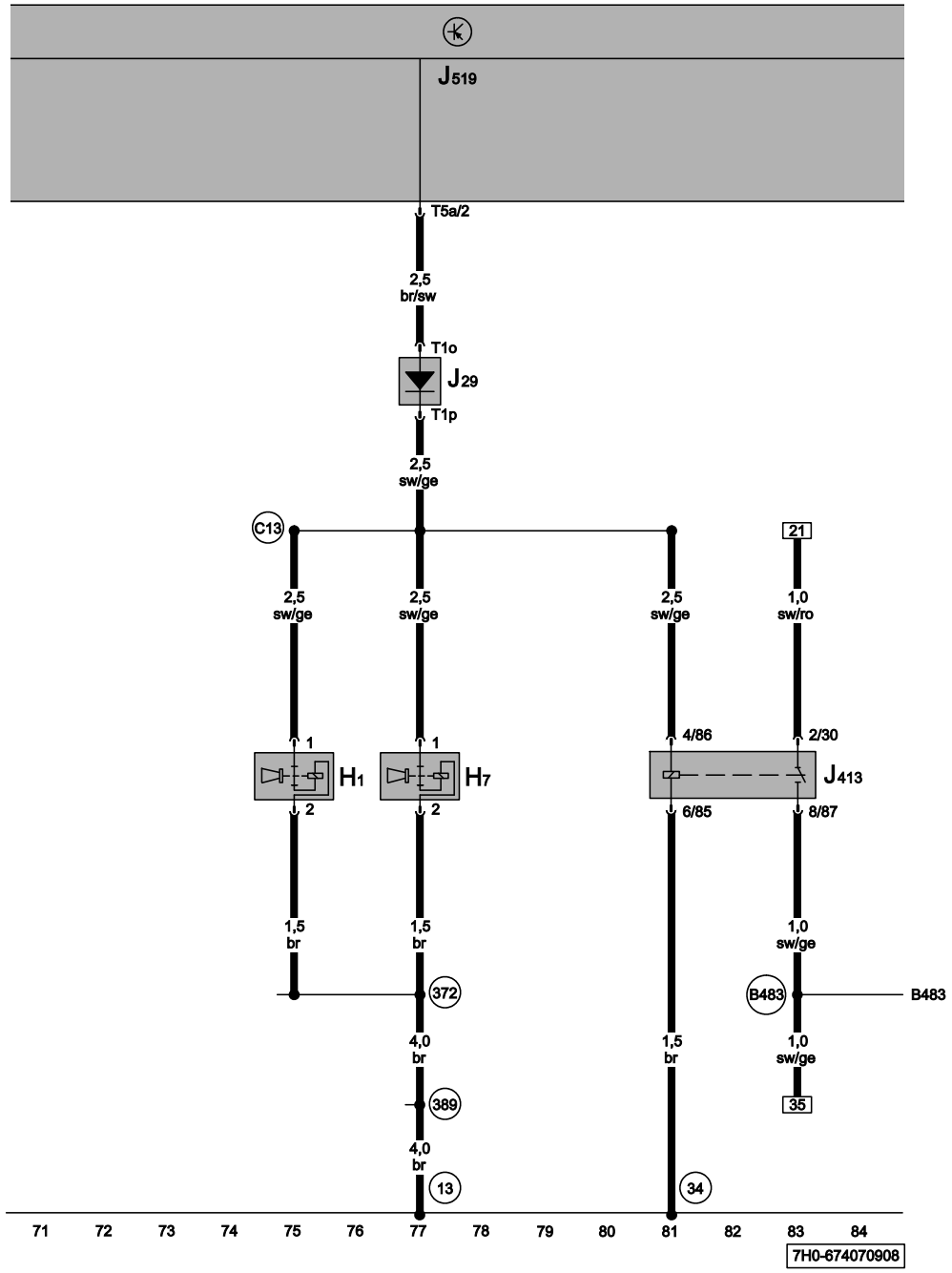




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left socket interface, interior light 1 on table interface, interior light 2 on table interface

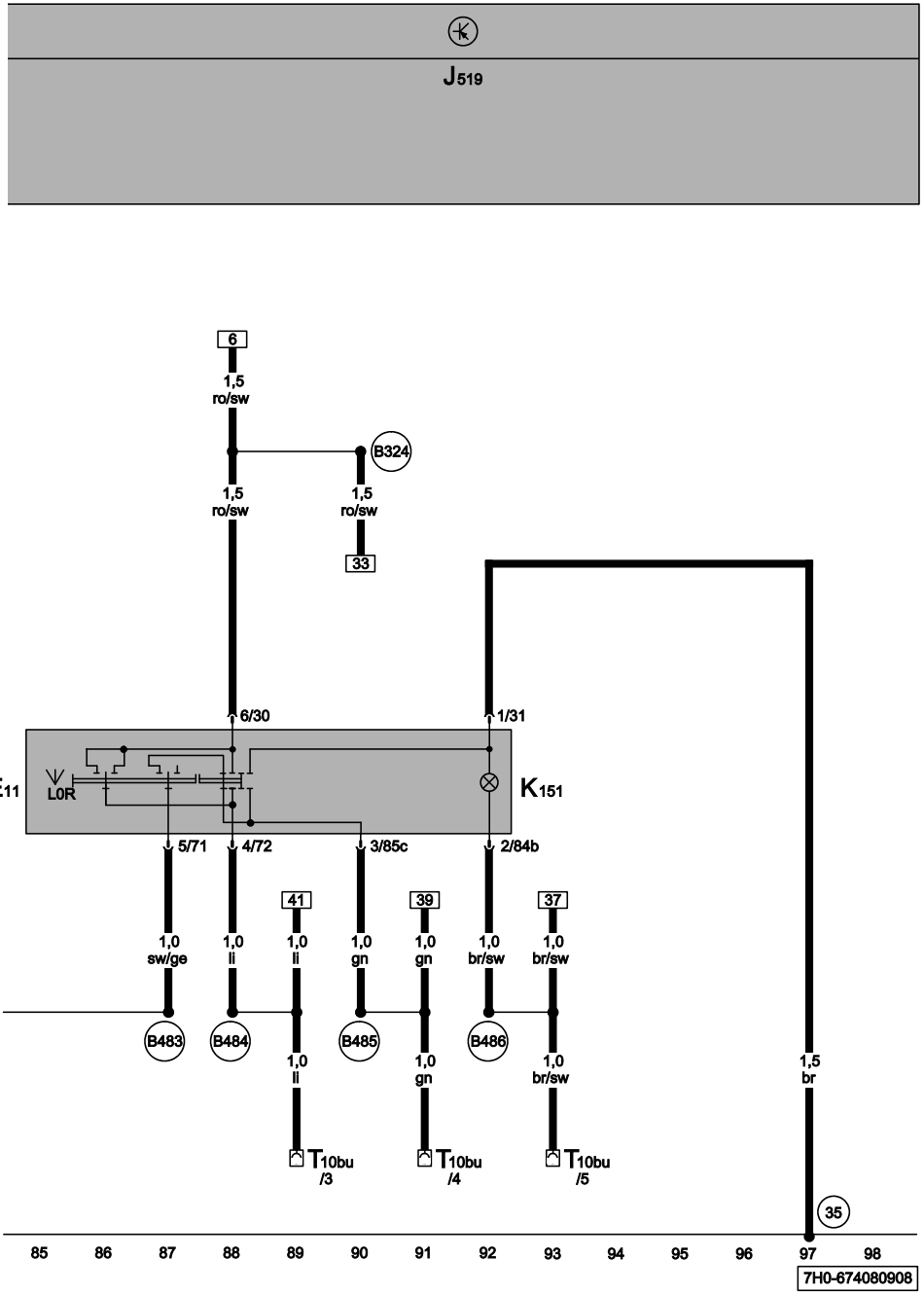
E326	Front interior light button
E390	Interior lighting central switch button
J519	Onboard supply control unit
T2bg	2-pin connector, black, rear left socket interface, on wheel arch
T3am	3-pin connector, black, interior light 1 on table interface, under roof, between B-pillar and left C-pillar
T3an	3-pin connector, black, interior light 2 on table interface, under roof, near left C-pillar
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10br	10-pin connector, blue, coupling station under driver seat
453	Earth connection 3, in optional equipment wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B533	Connection 1 (DCt), in roof wiring harness
X131	Connection 4, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models without roof console only ⇒ interior lights Current Flow Diagram
**	for models with roof console only ⇒ interior lights Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Horn or dual tone horn, blocking diode, horn relay

H1	Horn or dual tone horn
H7	Bass tone horn
J29	Blocking diode
J413	Horn relay
J519	Onboard supply control unit
T1o	Single connector
T1p	Single connector
T5a	5-pin connector, brown
13	Earth point, on right in engine compartment
34	Earth point, under driver seat
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B483	Connection 19 in main wiring harness
C13	Positive connection in dual tone horn wiring harness



Flashlight interface, rotating light and siren system switch, left rotating light warning lamp

E11	Rotating light and siren system switch
J519	Onboard supply control unit
K151	Left rotating light warning lamp
T10bu	10-pin connector, blue, flashlight interface, under driver seat
35	Earth point, under front passenger seat
B324	Positive connection 10 (30a), in main wiring harness
B483	Connection 19 in main wiring harness
B484	Connection 20 in main wiring harness
B485	Connection 21 in main wiring harness
B486	Connection 22 in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

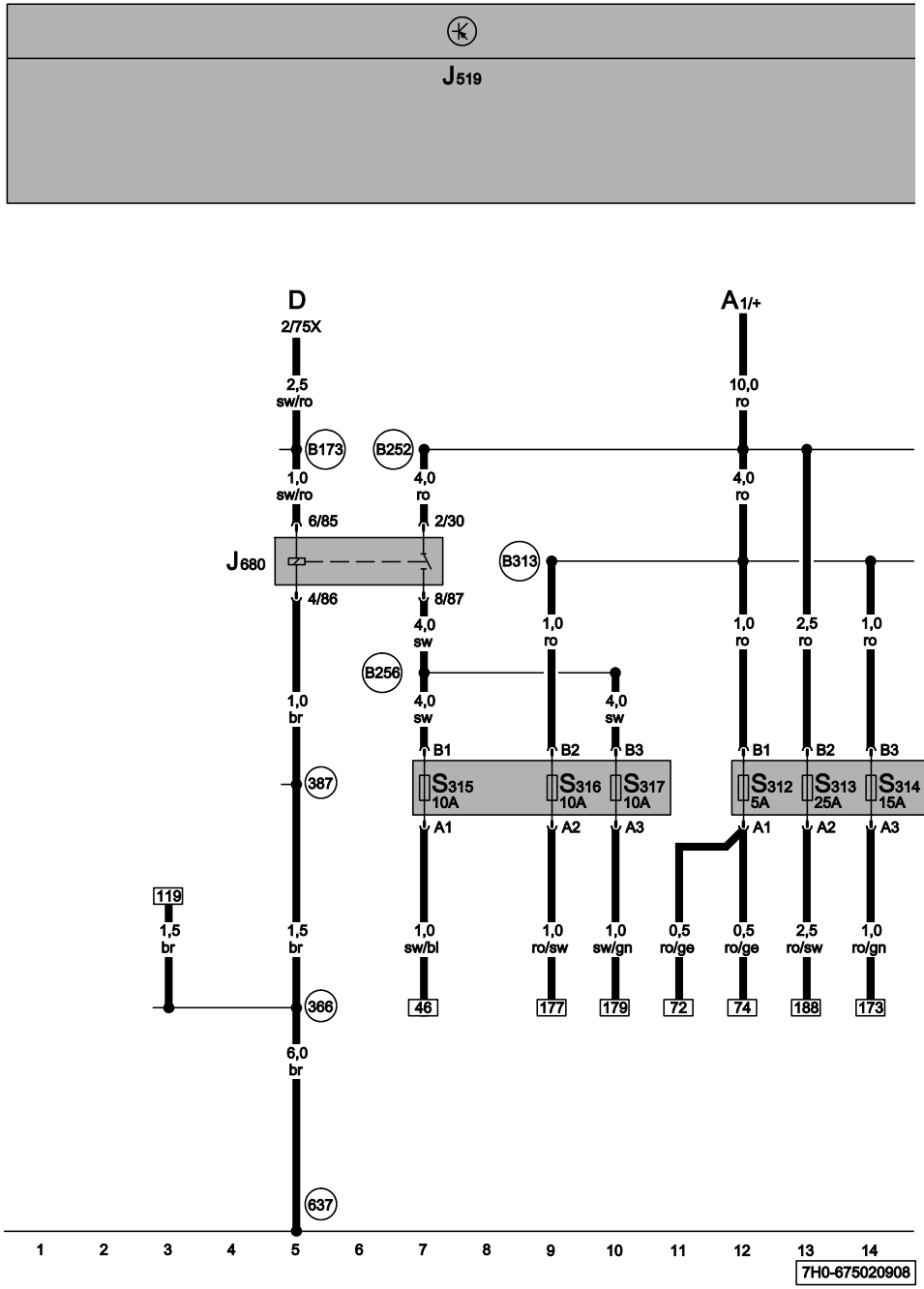
Optimal equipment, police (UF7)

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Accident data memory**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding

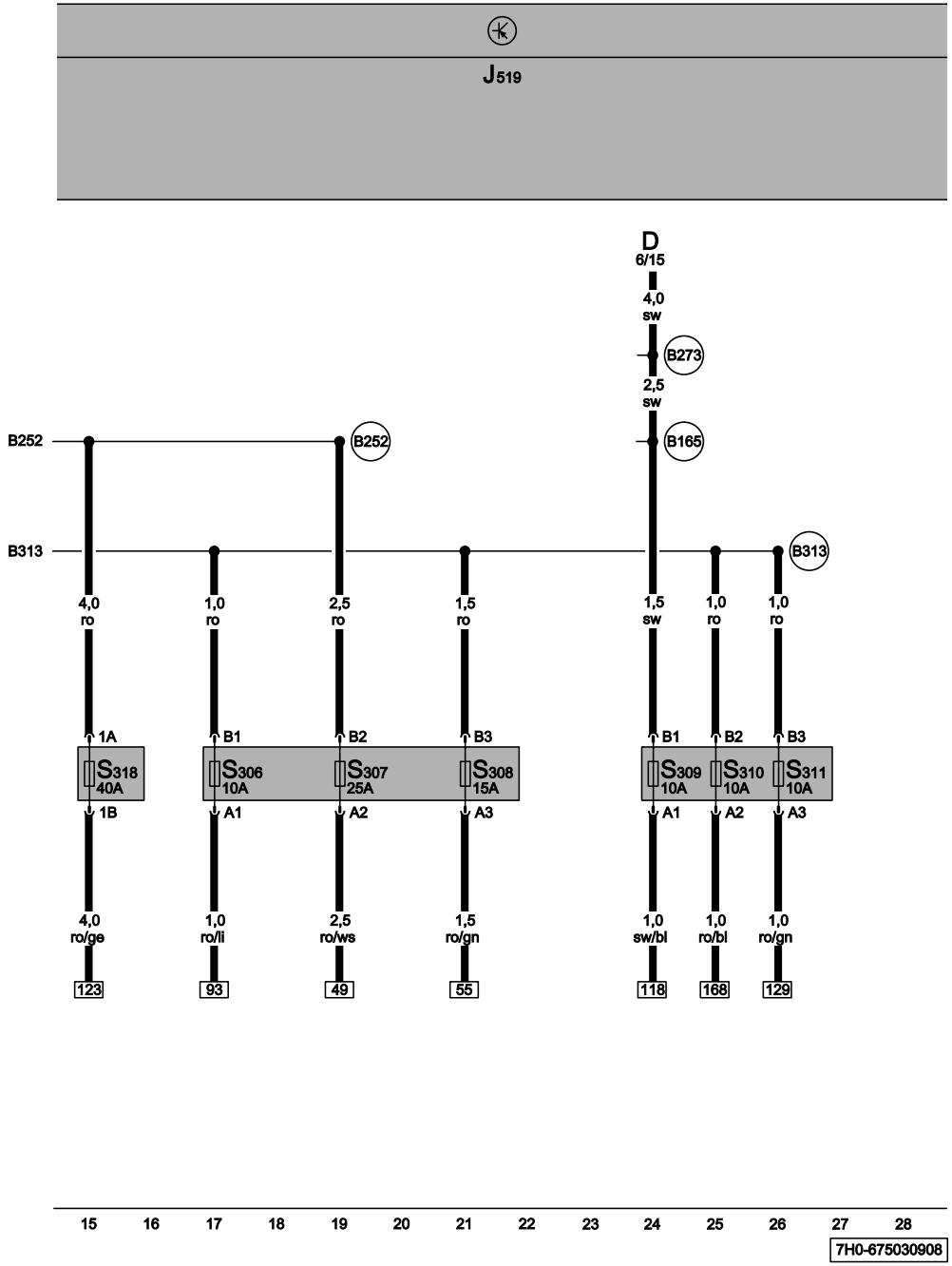


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, terminal 75 voltage supply relay 1

A1	Second battery
D	Ignition/starter switch
J519	Onboard supply control unit
J680	Terminal 75 voltage supply relay 1
S312	Special vehicle fuse 22
S313	Special vehicle fuse 23
S314	Special vehicle fuse 24
S315	Special vehicle fuse 25
S316	Special vehicle fuse 26
S317	Special vehicle fuse 27

366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B252	Positive connection (30, police), in interior wiring harness
B256	Positive connection (75x, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness

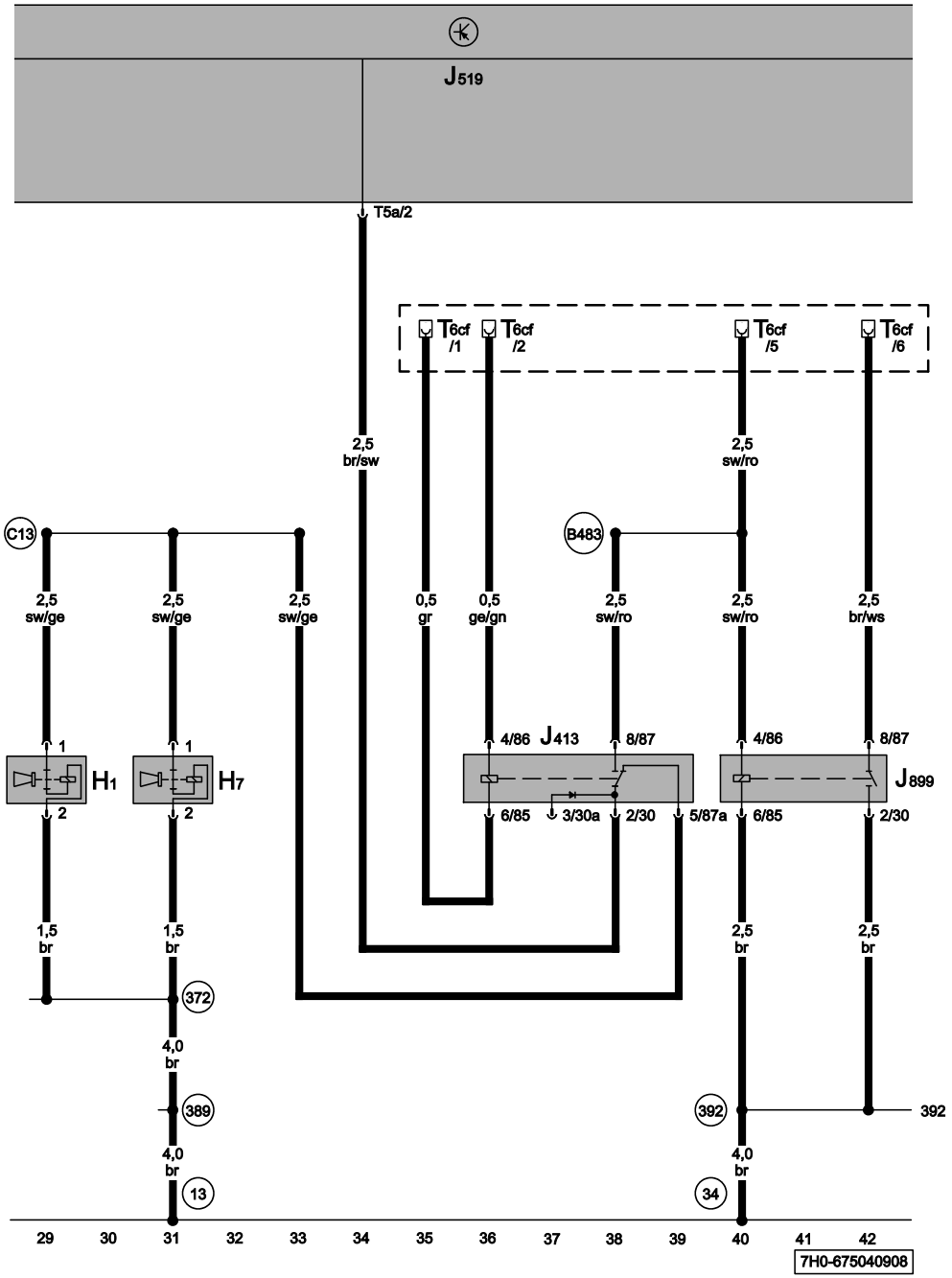


Fuses

D	Ignition/starter switch
J519	Onboard supply control unit
S306	Special vehicle fuse 16
S307	Special vehicle fuse 17
S308	Special vehicle fuse 18
S309	Special vehicle fuse 19
S310	Special vehicle fuse 20
S311	Special vehicle fuse 21
S318	Special vehicle fuse 28

B165	Positive connection 2 (15), in interior wiring harness
B252	Positive connection (30, police), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B313	Positive connection 17 (30), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Horn or dual tone horn, horn relay, onboard supply control unit, signal system 4 interface

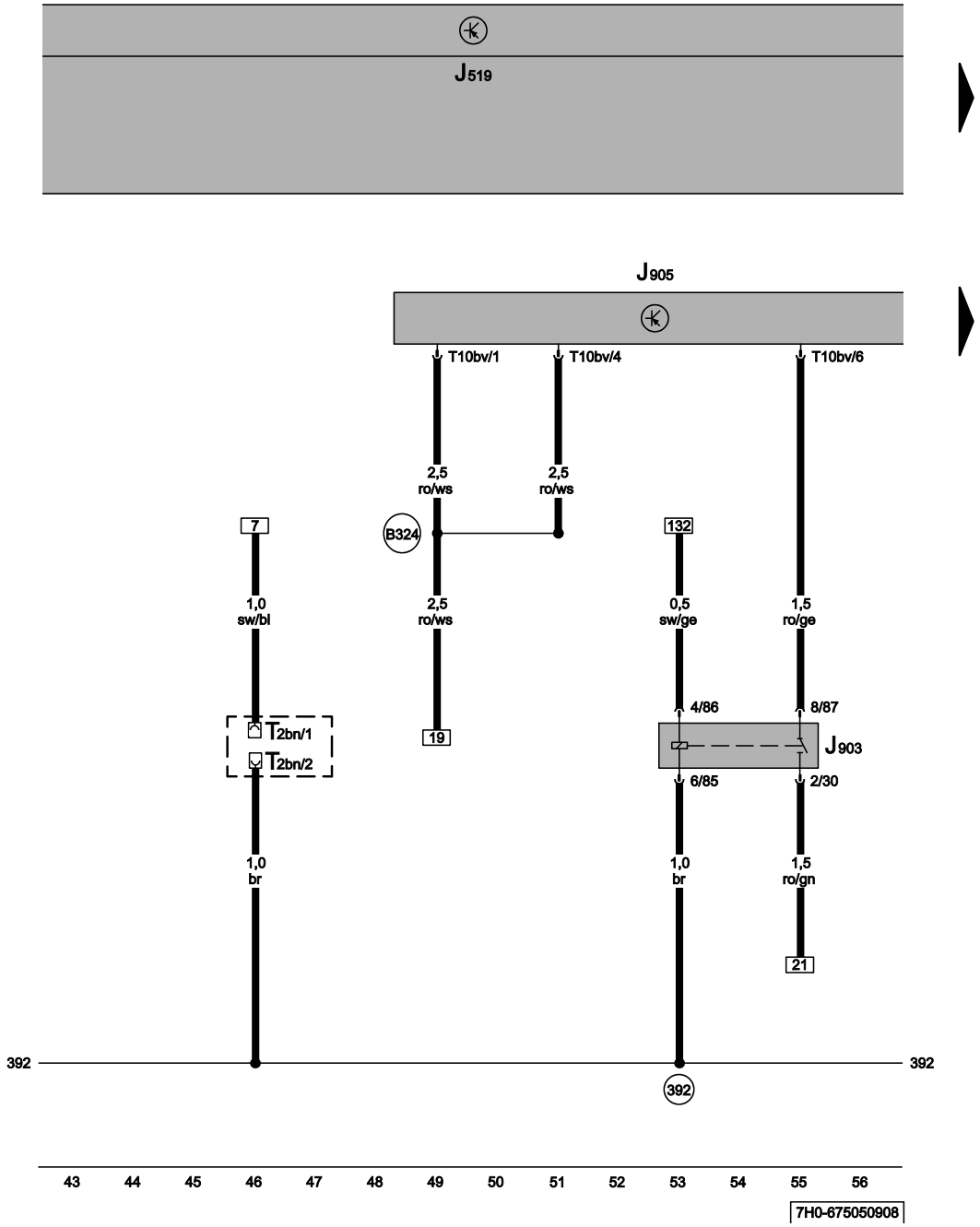
H1	Horn or dual tone horn
H7	Bass tone horn
J413	Horn relay
J899	Horn relay 2
J519	Onboard supply control unit
T5a	5-pin connector, brown
T6cf	6-pin connector, white, signal system 4 interface, under front passenger seat
13	Earth point, on right in engine compartment
34	Earth point, under driver seat
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
392	Earth connection 27, in main wiring harness
B483	Connection 19 in main wiring harness
C13	Positive connection in dual tone horn wiring harness

Engine continues to run without key control unit, engine continues to run without key relay 1, flashlight interface

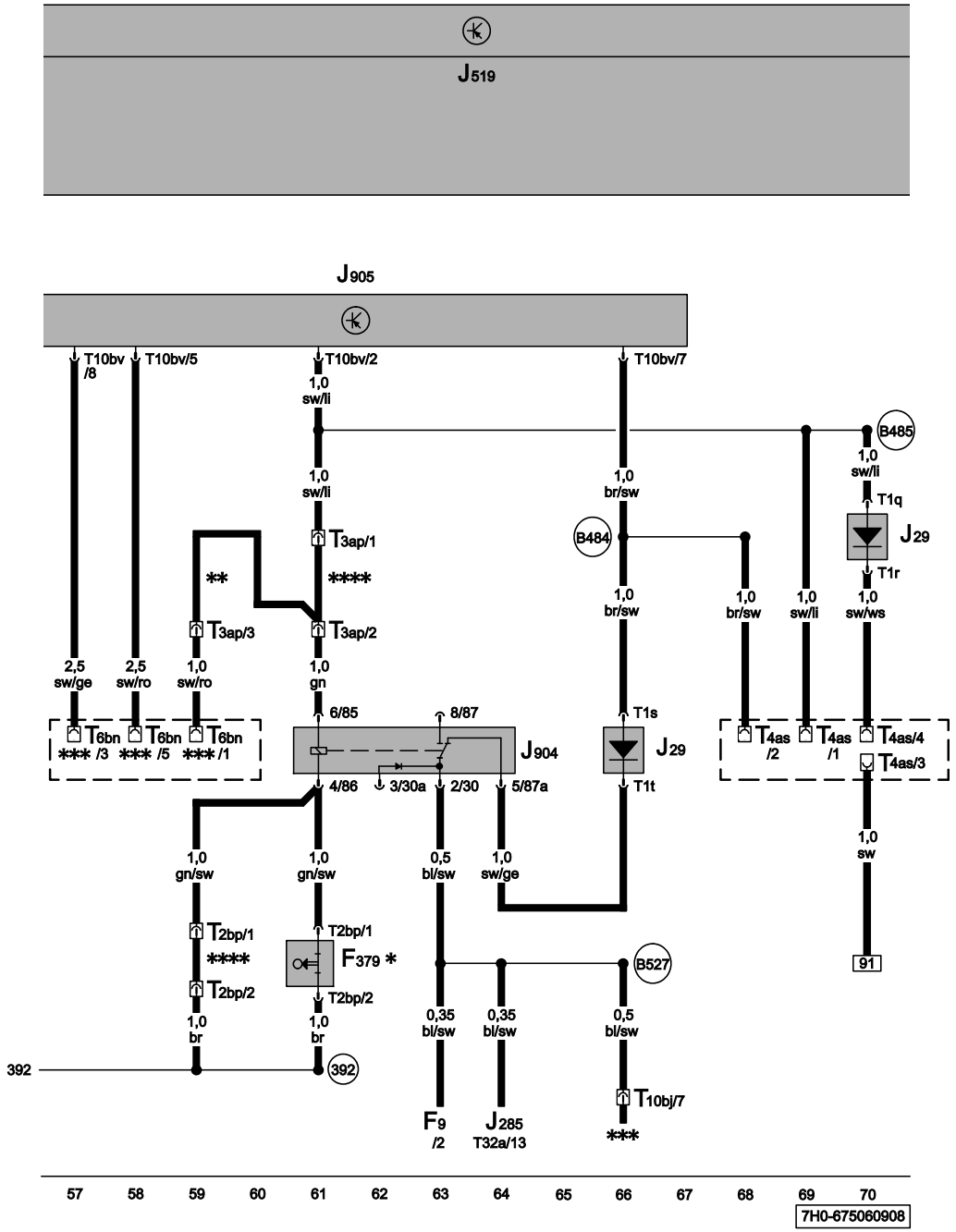
J519 Onboard supply control unit
J903 Engine continues to run without key relay 1
J905 Engine continues to run without key control unit
T2bn 2-pin connector, black, flashlight interface, under driver seat
T10bv 10-pin connector, pink

392 Earth connection 27, in main wiring harness

B324 Positive connection 10 (30a), in main wiring harness



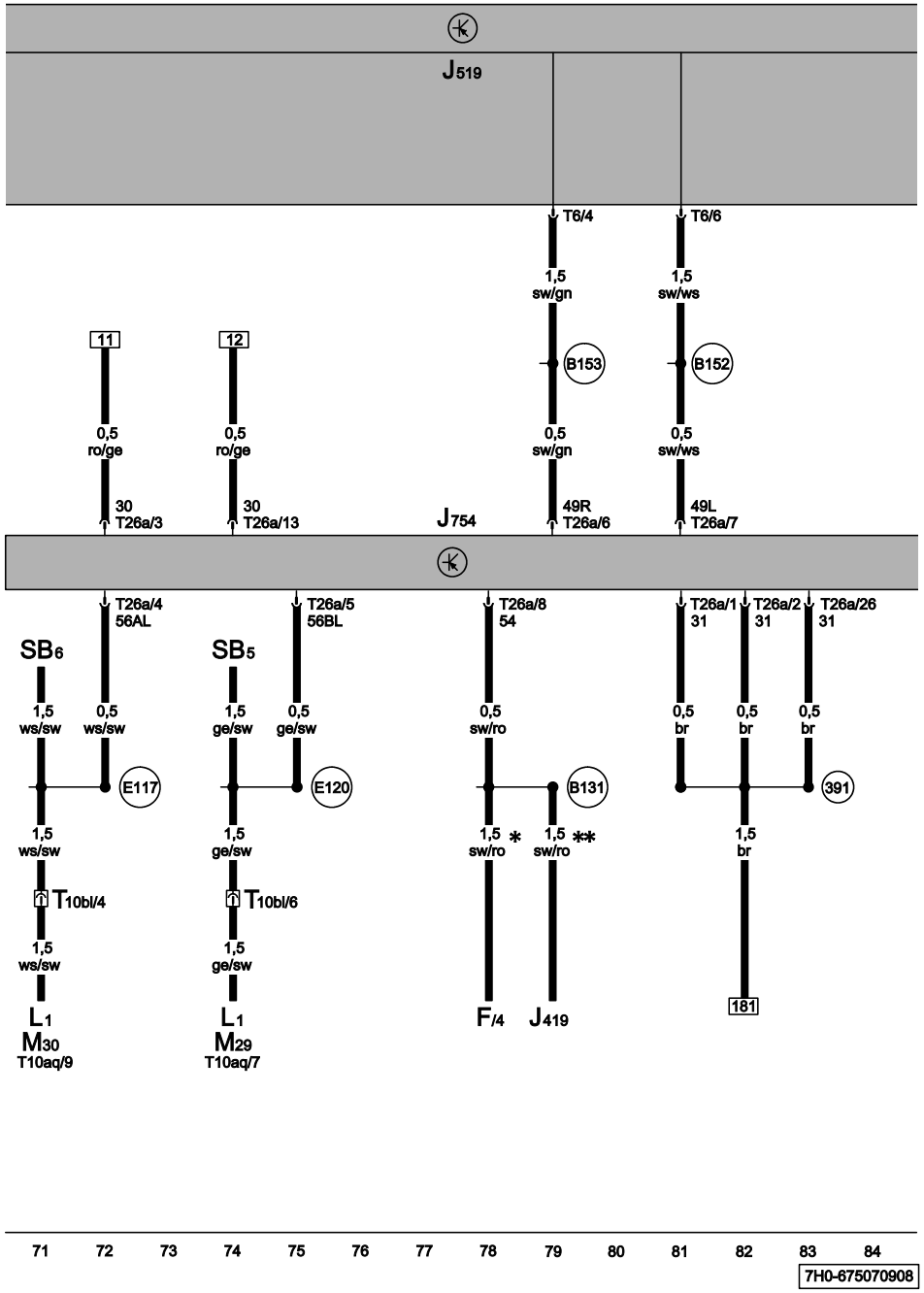
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Engine continues to run without key control unit, engine continues to run without key relay 2, blocking diode, clutch pedal switch 2, engine continues to run with no key button interface

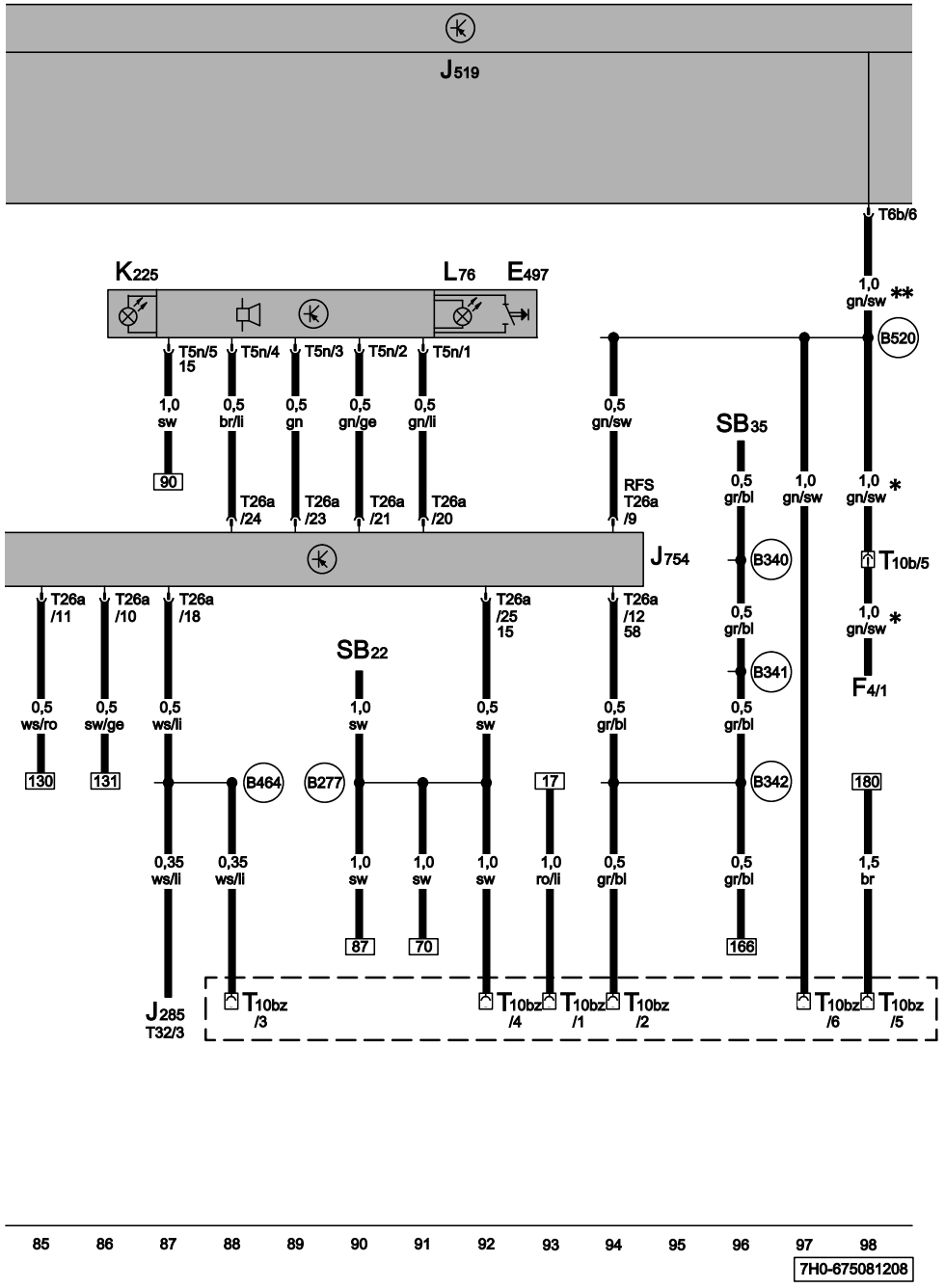
F9	Handbrake warning switch
F379	Clutch pedal switch 2
J29	Blocking diode
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J904	Engine continues to run without key relay 2
J905	Engine continues to run without key control unit
T1q	Single connector
T1r	Single connector
T1s	Single connector
T1t	Single connector
T2bp	2-pin connector, black, clutch pedal switch interface
T3ap	3-pin connector, black, automatic gearbox/ manual gearbox push-in bridge
T4as	4-pin connector, black, engine continues to run with no key button interface
T6bn	6-pin connector, grey, coupling station under driver seat
T10bj	10-pin connector, yellow, coupling station under driver seat
T10bv	10-pin connector, pink
T32a	32-pin connector, green
392	Earth connection 27, in main wiring harness
B484	Connection 20 in main wiring harness
B485	Connection 21 in main wiring harness
B527	Connection (handbrake), in main wiring harness
*	for models with manual gearbox only
**	manual gearbox push-in bridge
***	⇒ Current Flow Diagram interface for special vehicles
****	automatic gearbox push-in bridge



Accident data memory

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J754	Accident data memory
L1	Left headlight twin filament bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T6	6-pin connector, black
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T26a	26-pin connector, black, under front passenger seat
391	Earth connection 26, in main wiring harness
B131	Connection (54), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with ABS and without ESP only
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram

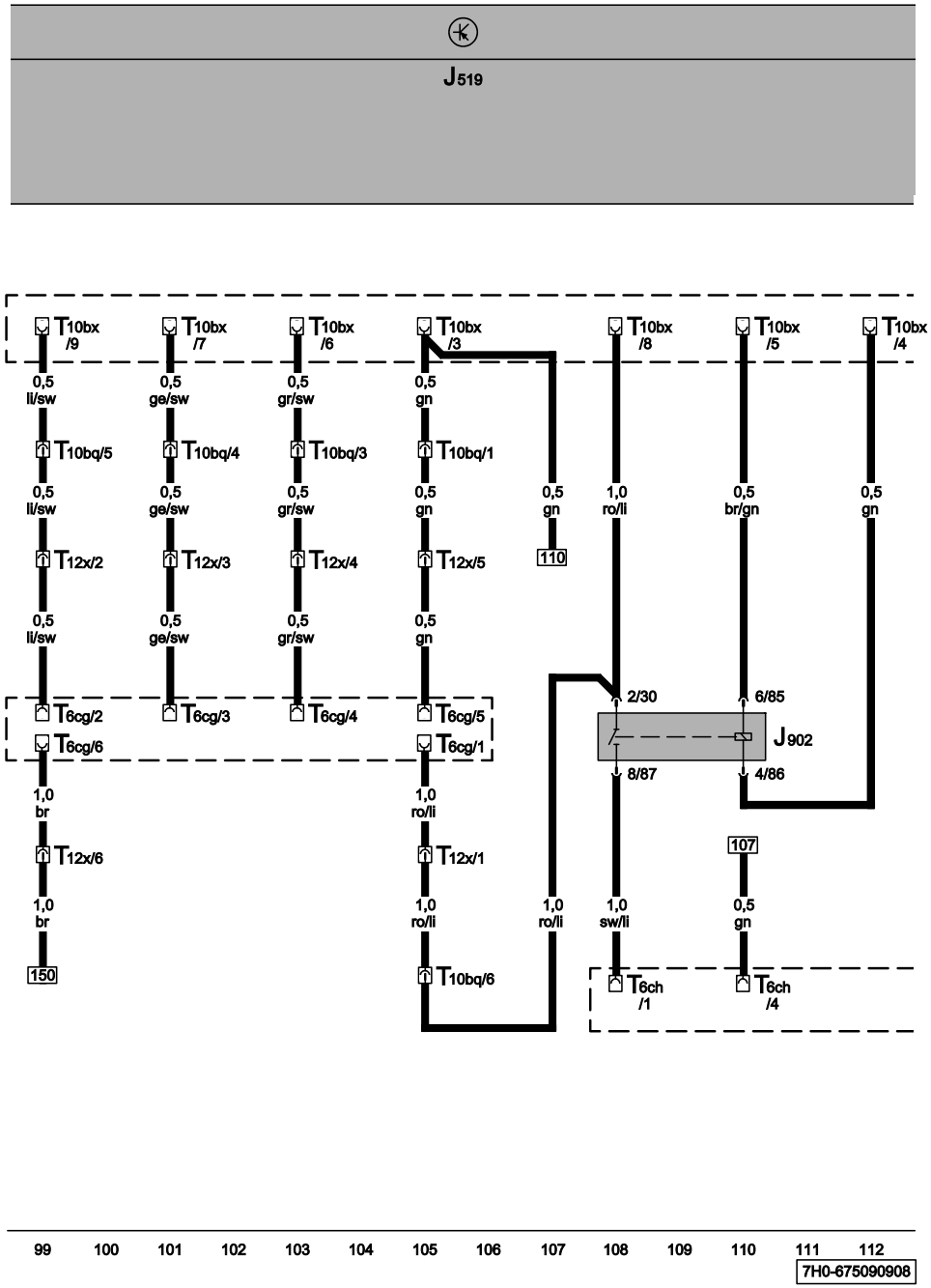
ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Accident data recorder, accident data recorder button, accident recorder warning lamp, button illumination bulb, navigation system interface

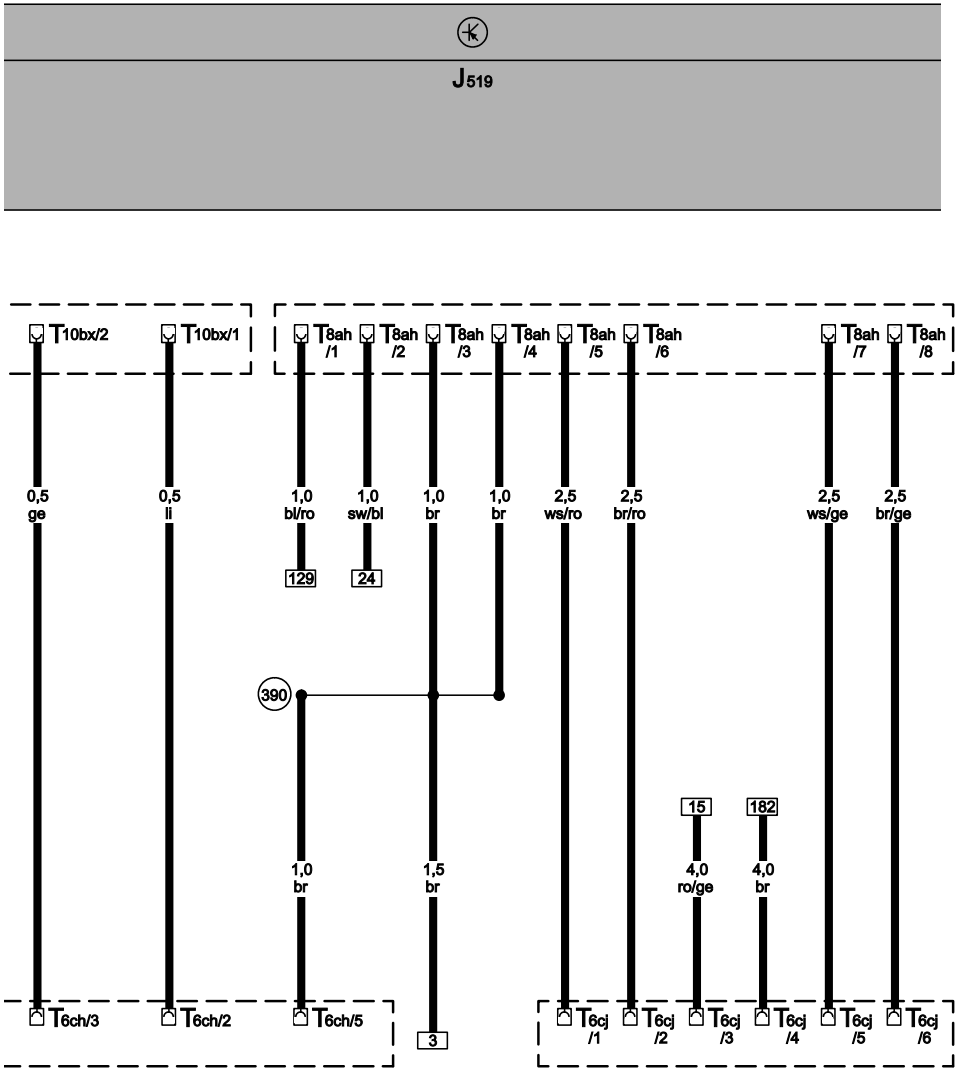
E497	Accident data recorder button
F4	Reversing light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J754	Accident data memory
K225	Accident recorder warning lamp
L76	Button illumination bulb
SB22	Fuse 22 on fuse holder B
SB35	Fuse 35 on fuse holder B
T5n	5-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T10bz	10-pin connector, green, navigation system interface, under front passenger seat
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
B277	Positive connection 1 (15a), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B520	Connection (RL), in main wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox (G1A) only



Relay for front 'stop' command light, front 'stop' command light interface, rear 'stop' command light interface, signal system 3 interface

J519	Onboard supply control unit
J902	Relay for front 'stop' command light
T6cg	6-pin connector, black, rear 'stop' command light interface, in rear lid
T6ch	6-pin connector, black, front 'stop' command light interface, on air filter
T10bq	10-pin connector, orange, coupling station under driver seat
T10bx	10-pin connector, blue, signal system 3 interface, under front passenger seat
T12x	12-pin connector, brown, under roof, near left D-pillar

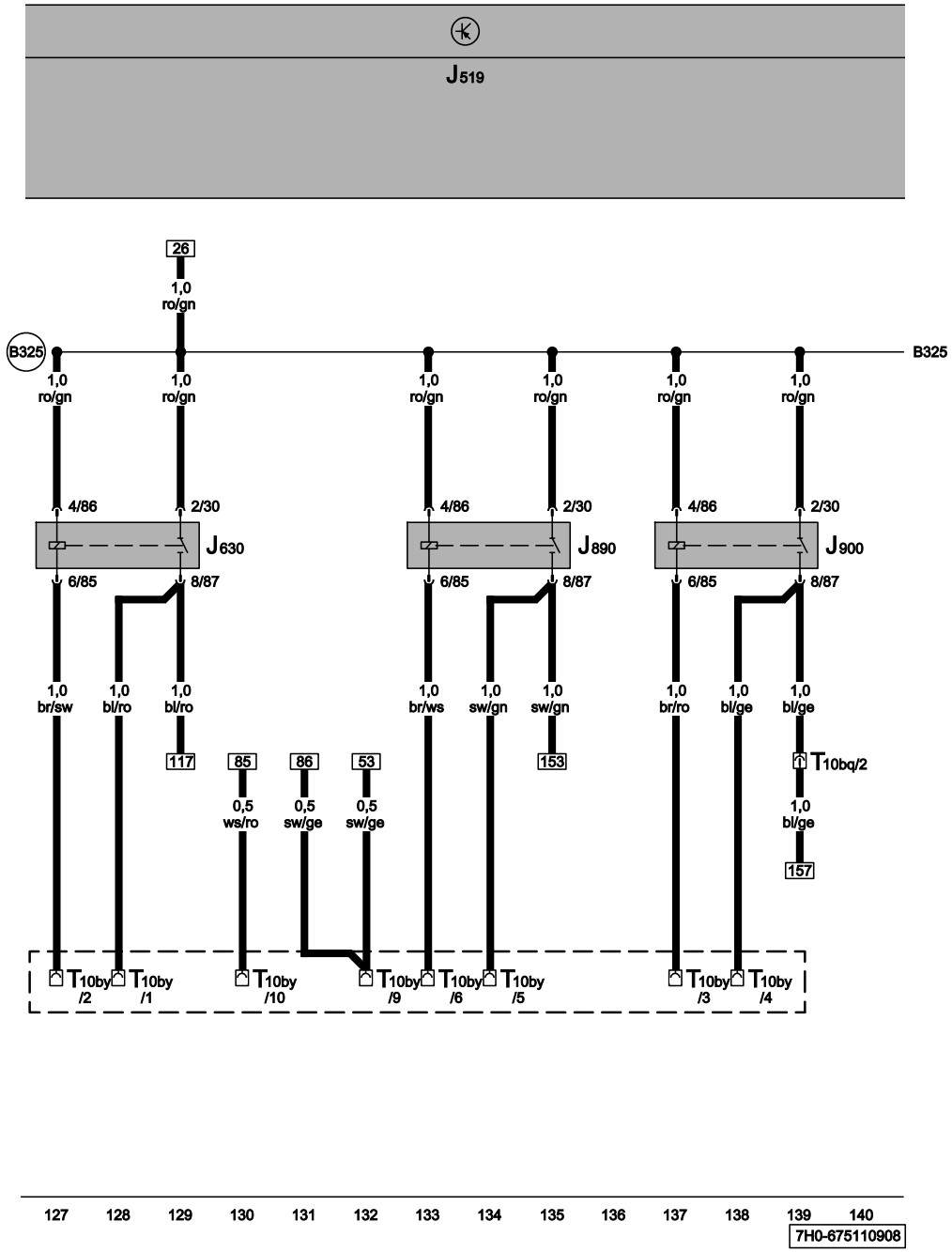
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Front 'stop' command light interface, signal system 1 interface, signal system 3 interface, loudspeaker/ front LED speed camera interface

T6ch	6-pin connector, black, front 'stop' command light interface, on air filter
T6cj	6-pin connector, black, signal system 1 interface, under front passenger seat
T8ah	8-pin connector, black, loudspeaker/ front LED speed camera interface, on air filter
T10bx	10-pin connector, blue, signal system 3 interface, under front passenger seat
390	Earth connection 25, in main wiring harness

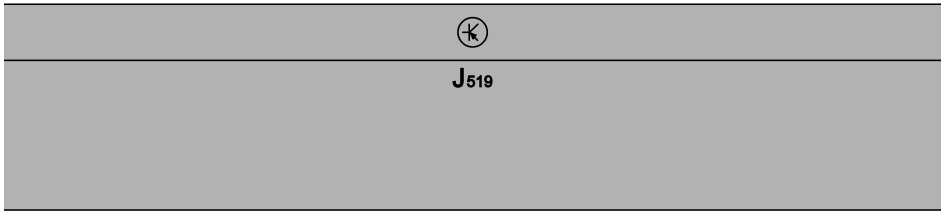
ws	=	white
sw	=	black
ro	=	red
br	=	brown
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bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

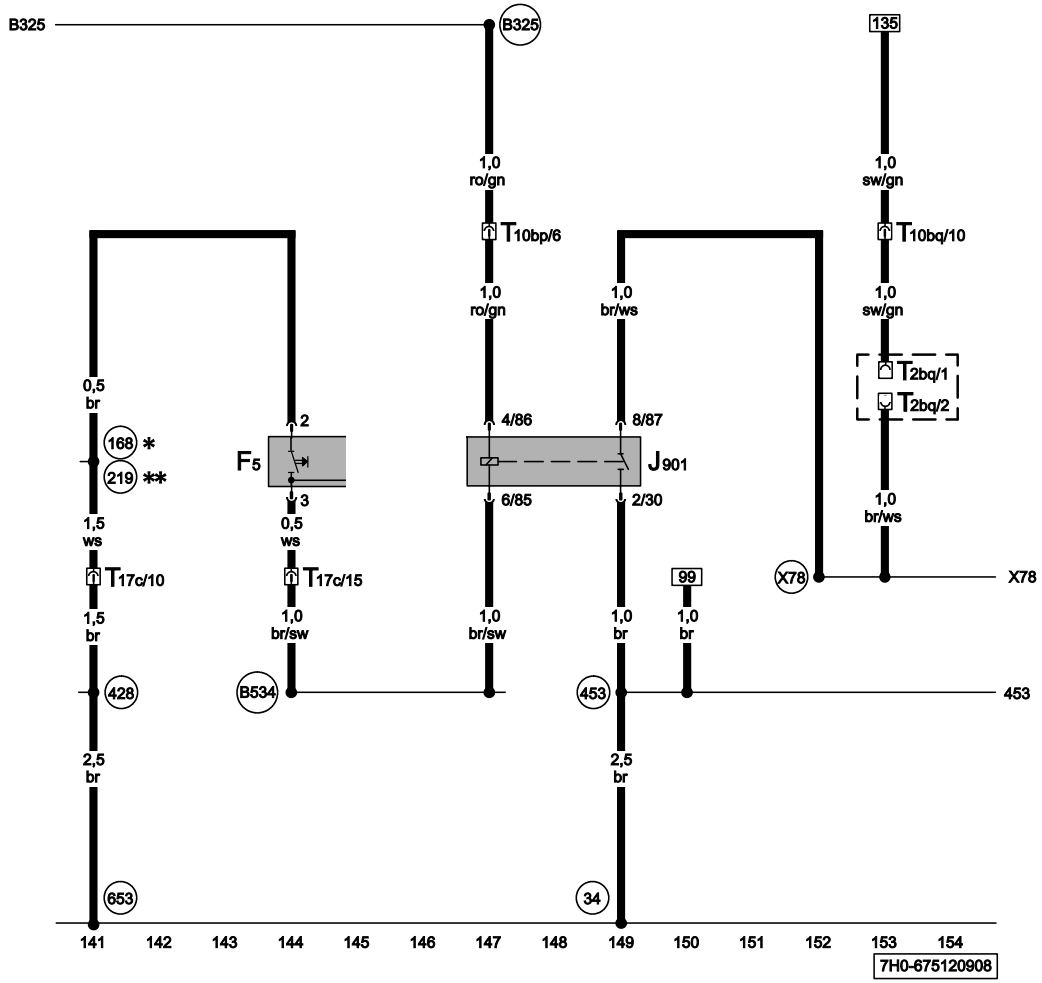


Flashing lights relay, flashing lights relay 2, flashing lights relay 3, signal system 2 interface

J519	Onboard supply control unit
J630	Flashing lights relay
J890	Flashing lights relay 2
J900	Flashing lights relay 3
T10bq	10-pin connector, orange, coupling station under driver seat
T10by	10-pin connector, black, signal system 2 interface, under front passenger seat
B325	Positive connection 11 (30a), in main wiring harness

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

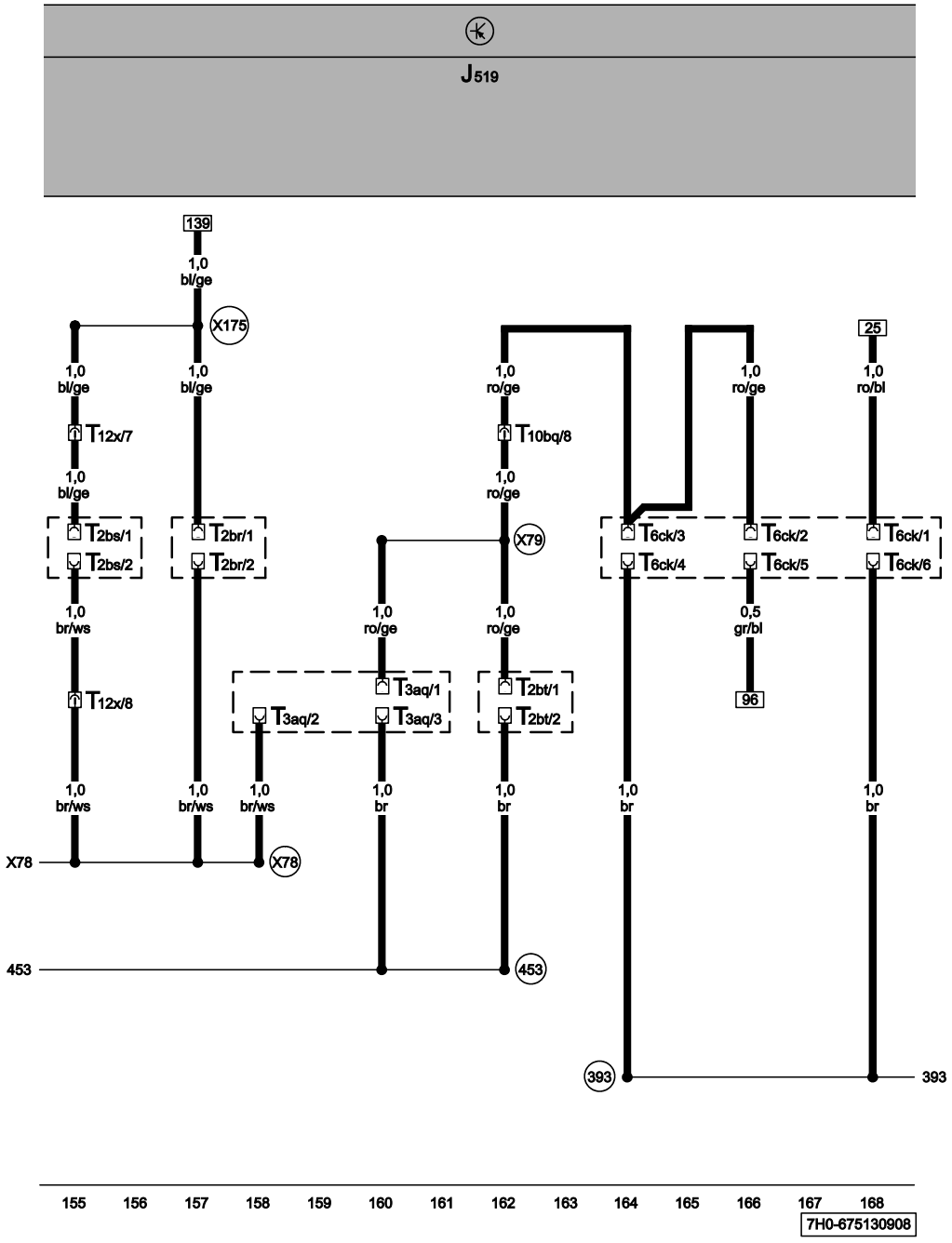




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Luggage compartment light switch, flashing lights relay 4, rear LED speed camera interface

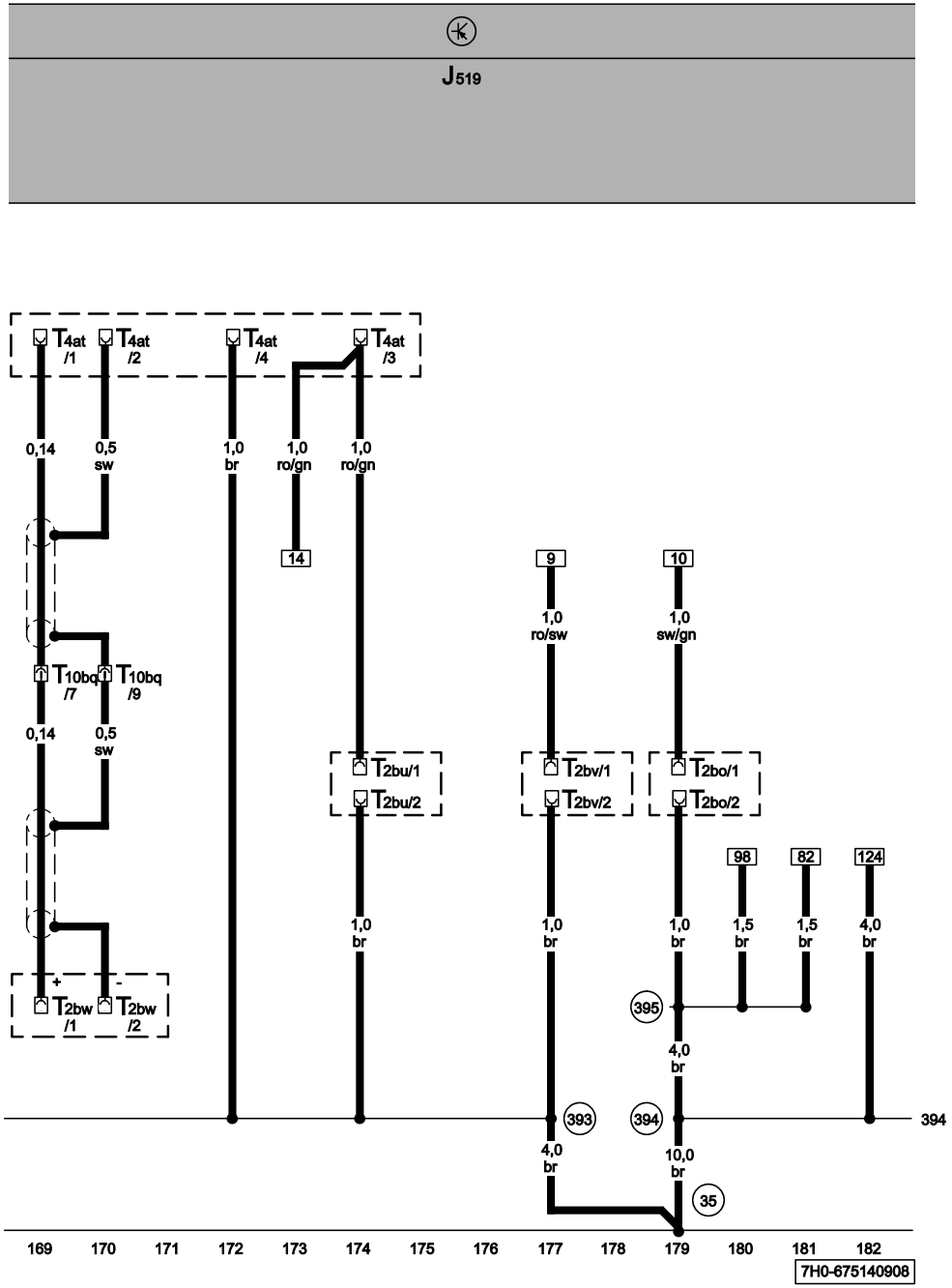
F5	Luggage compartment light switch
J519	Onboard supply control unit
J901	Flashing lights relay 4
T2bq	2-pin connector, black, rear LED speed camera interface (blue)
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
34	Earth point, under driver seat
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
B325	Positive connection 11 (30a), in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
X78	Connection 1, in optional equipment wiring harness
*	for models with rear wing doors only
**	for models with rear lid only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear LED speed camera interface, interior light on table interface, rear interior light interface, interior light switch interface

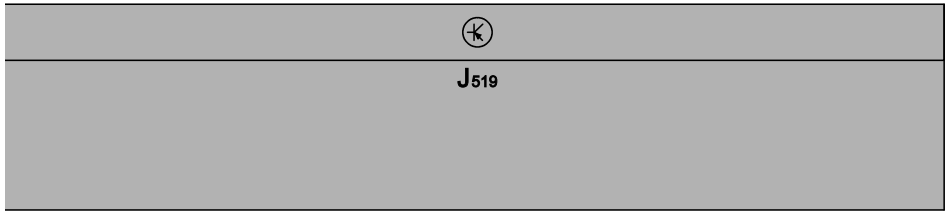
J519	Onboard supply control unit
T2br	2-pin connector, black, rear LED speed camera interface (yellow)
T2bs	2-pin connector, black, rear LED speed camera interface (yellow), in rear lid
T2bt	2-pin connector, black, interior light on table interface
T3aq	3-pin connector, black, rear interior light interface
T6ck	6-pin connector, black, interior light switch interface
T10bq	10-pin connector, orange, coupling station under driver seat
T12x	12-pin connector, brown, under roof, near left D-pillar
393	Earth connection 28, in main wiring harness
453	Earth connection 3, in optional equipment wiring harness
X78	Connection 1, in optional equipment wiring harness
X79	Connection 2, in optional equipment wiring harness
X175	Positive connection (30a), in optional equipment wiring harness



ws = white
sw = black
ro = red
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gr = grey
li = purple
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rs = pink

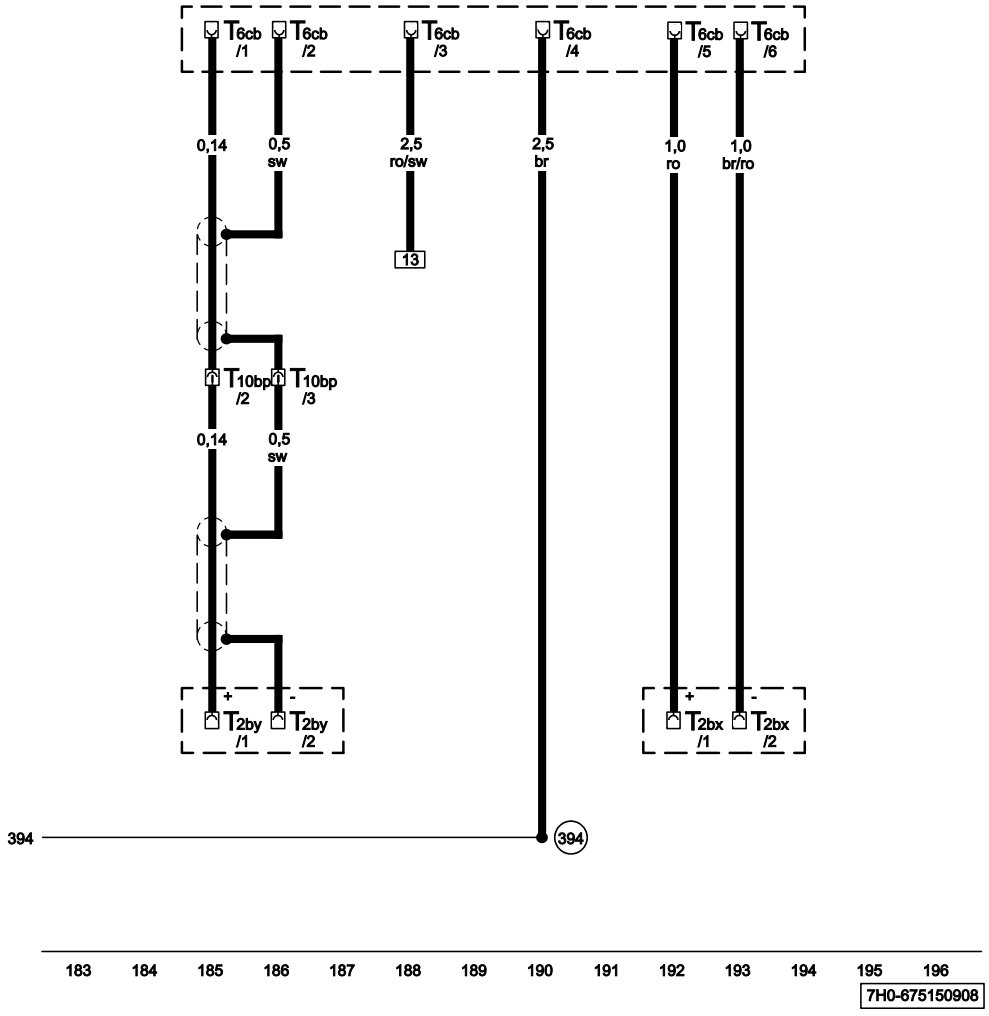
Flashlight interface, map reading light bulb interface, hand-held two-way radio interface, telephone microphone interface, telephone interface

J519	Onboard supply control unit
T2bo	2-pin connector, black, flashlight interface, under front passenger seat
T2bu	2-pin connector, white, map reading light bulb interface
T2bv	2-pin connector, black, hand-held two-way radio interface, under front passenger seat
T2bw	2-pin connector, black, telephone microphone interface
T4at	4-pin connector, black, telephone interface
T10bq	10-pin connector, orange, coupling station under driver seat
35	Earth point, under front passenger seat
393	Earth connection 28, in main wiring harness
394	Earth connection 29, in main wiring harness
395	Earth connection 30, in main wiring harness



Two-way radio loudspeaker interface, two-way radio unit microphone interface, two-way radio interface

J519	Onboard supply control unit
T2bx	2-pin connector, green, two-way radio loudspeaker interface
T2by	2-pin connector, black, two-way radio unit microphone interface
T6cb	6-pin connector, black, two-way radio interface, under front passenger seat
T10bp	10-pin connector, green, coupling station under driver seat
394	Earth connection 29, in main wiring harness



ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Interior lighting double cab/ plank bed

from November 2007

Notes:

For information concerning

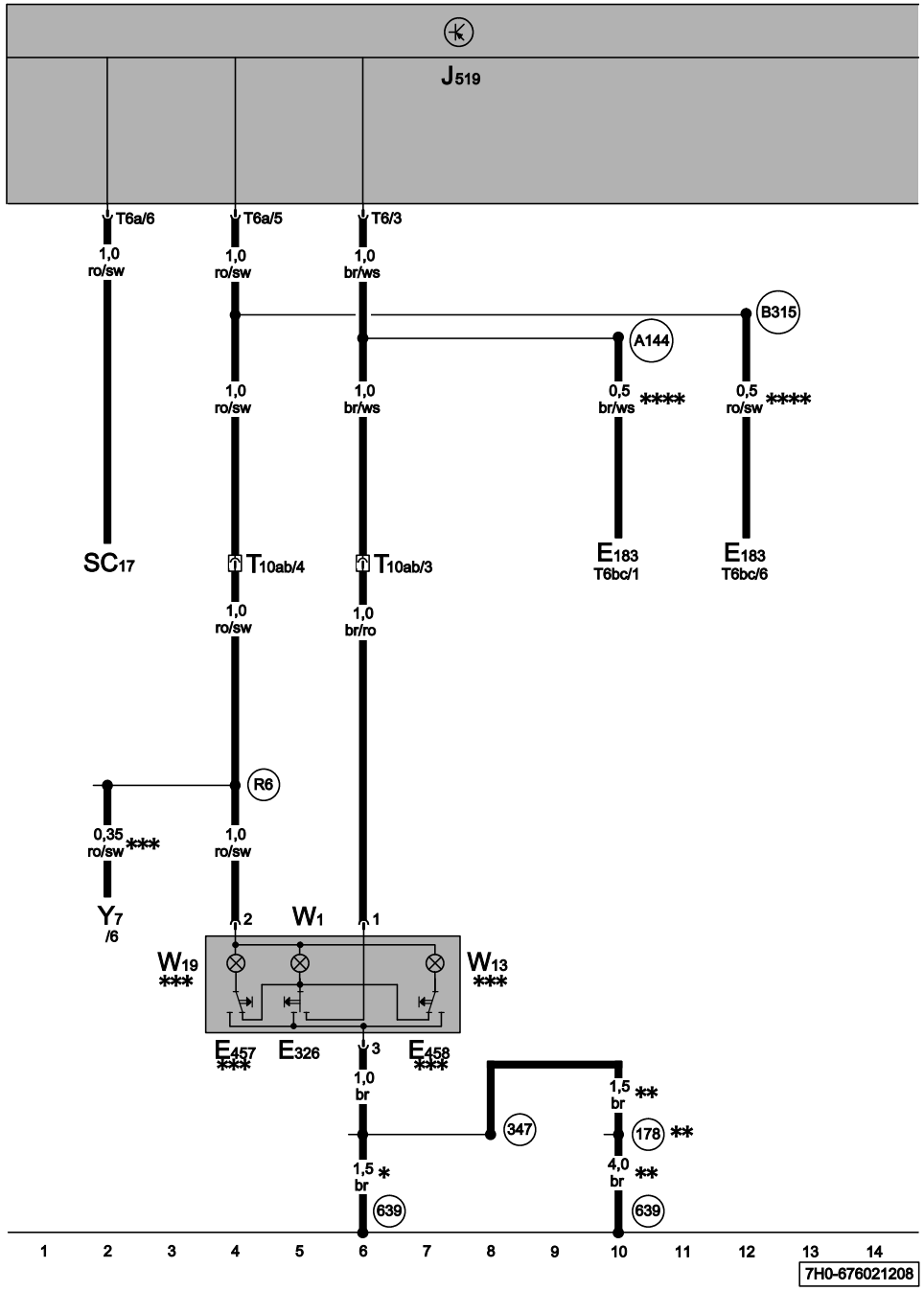
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

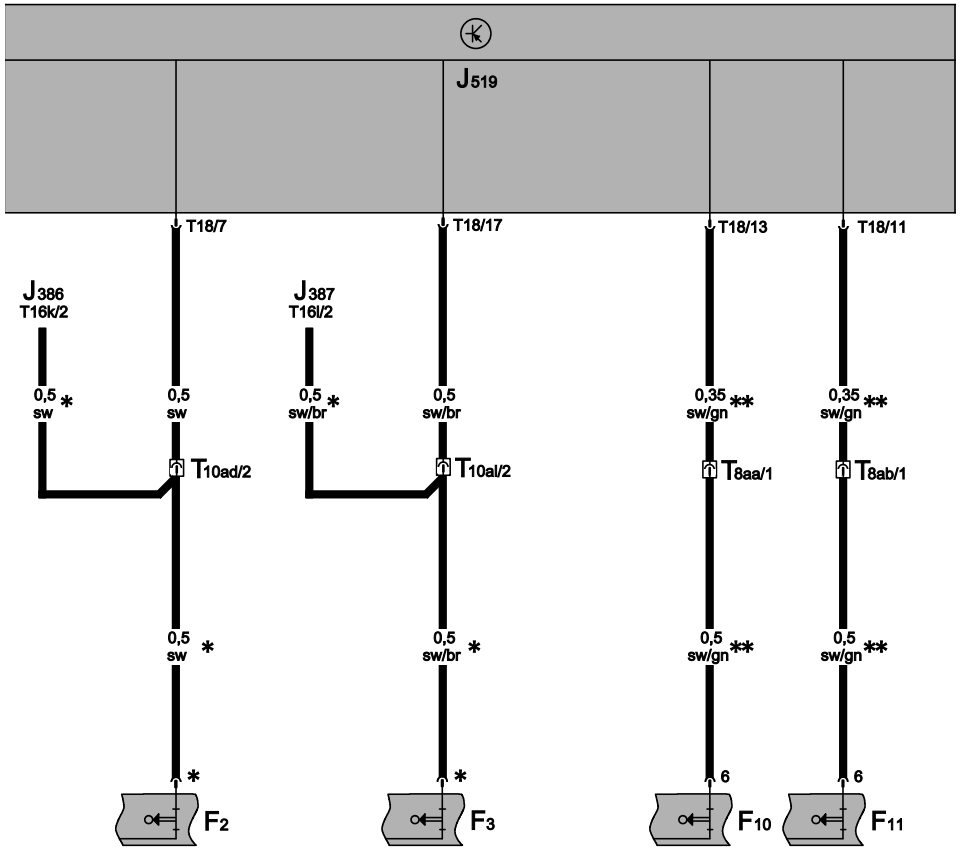
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Front interior light, driver and front passenger side reading lights, interior monitoring switch

E183	Interior monitor deactivation switch
E326	Front interior light button
E457	Driver side reading light button
E458	Front passenger side reading light button
J519	Onboard supply control unit
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ab	10-pin connector, white, coupling station on left of A-pillar
W1	Front interior light
W13	Front passenger side reading light
W19	Driver side reading light
Y7	Automatic anti-dazzle interior mirror
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
639	Earth point, left A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B315	Positive connection 1 (30a), in main wiring harness
R6	Positive connection 1, in interior light wiring harness
*	for models without sliding/tilting sunroof
**	for models with sliding/tilting sunroof
***	depends on equipment
****	for models with anti-theft alarm system only 7AL/7AQ



Door contact switch

F2	Driver door contact switch
F3	Front passenger door contact switch
F10	Rear left door contact switch
F11	Rear right door contact switch
J386	Driver door control unit
J387	Front passenger door control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T16k	16-pin connector, black
T16l	16-pin connector, black
T18	18-pin connector, black
*	depends on equipment ⇒ window regulator/basic equipment/ convenience system Current Flow Diagram
**	for models with double cab only

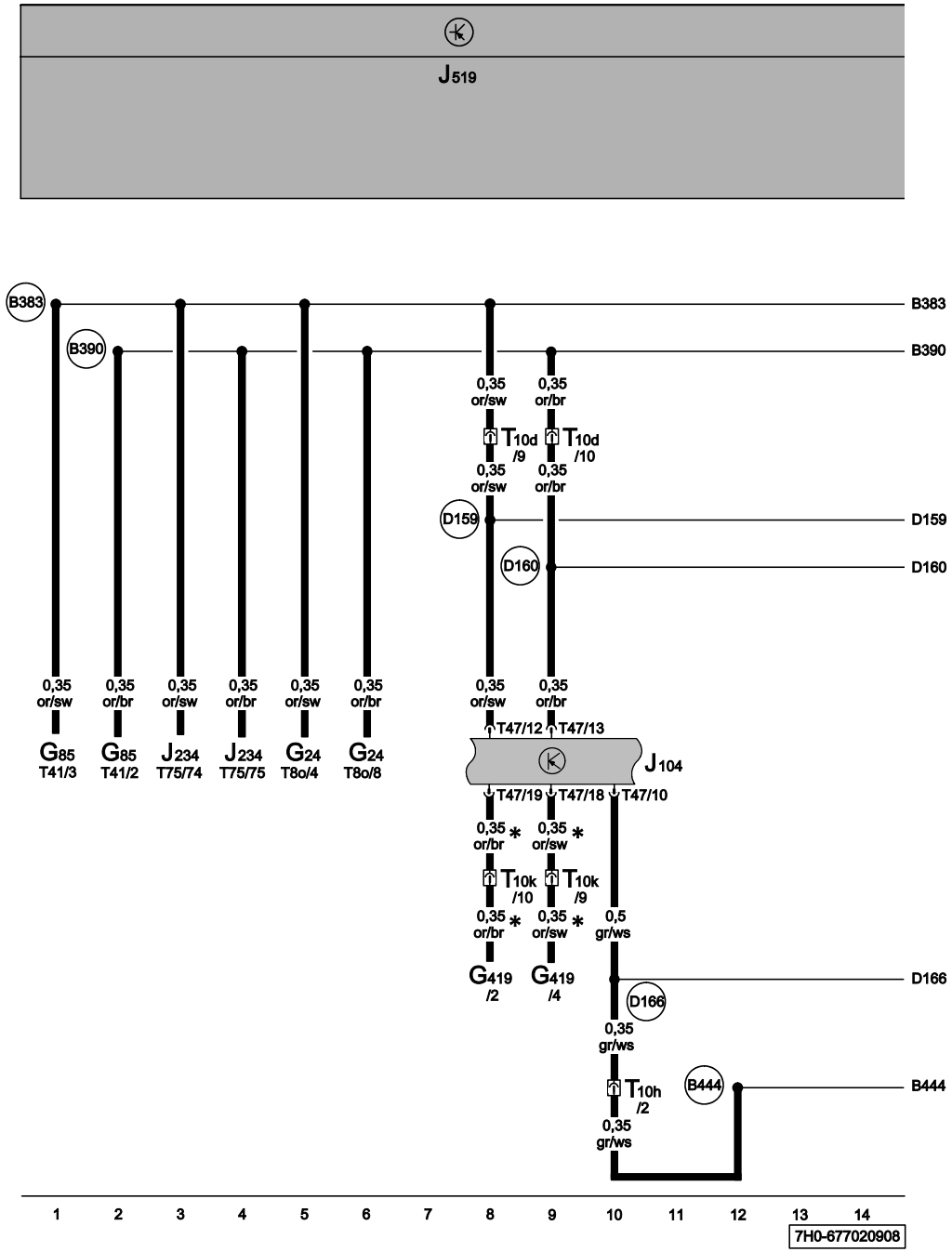
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Data bus systems

⇒ **CAN bus**
⇒ **LIN-Bus**
⇒ **Diagnosis wiring**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth points

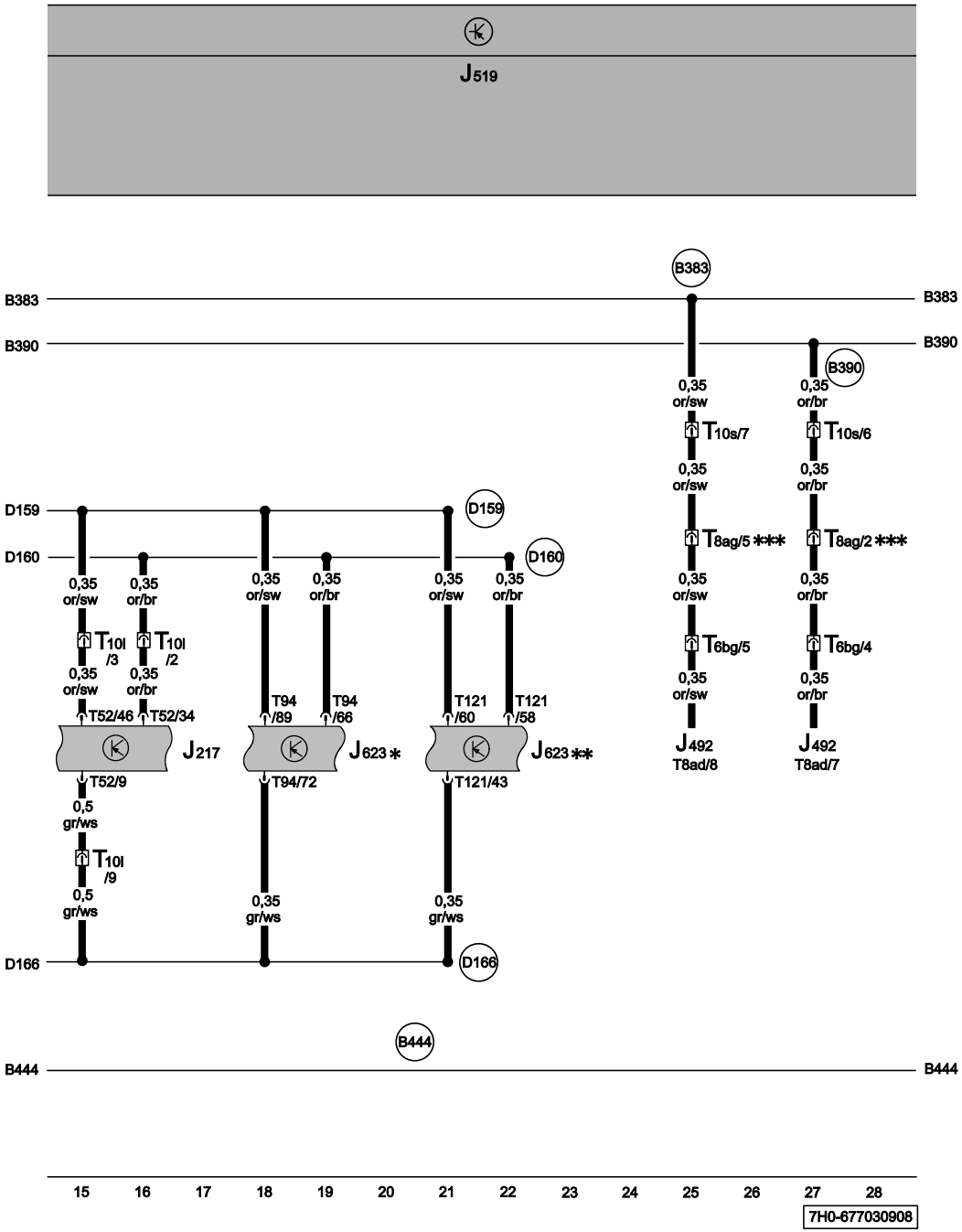
⇒ List of Fitting Locations!



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Tachograph, steering angle sender, ABS control unit, ESP sensor unit, airbag control unit

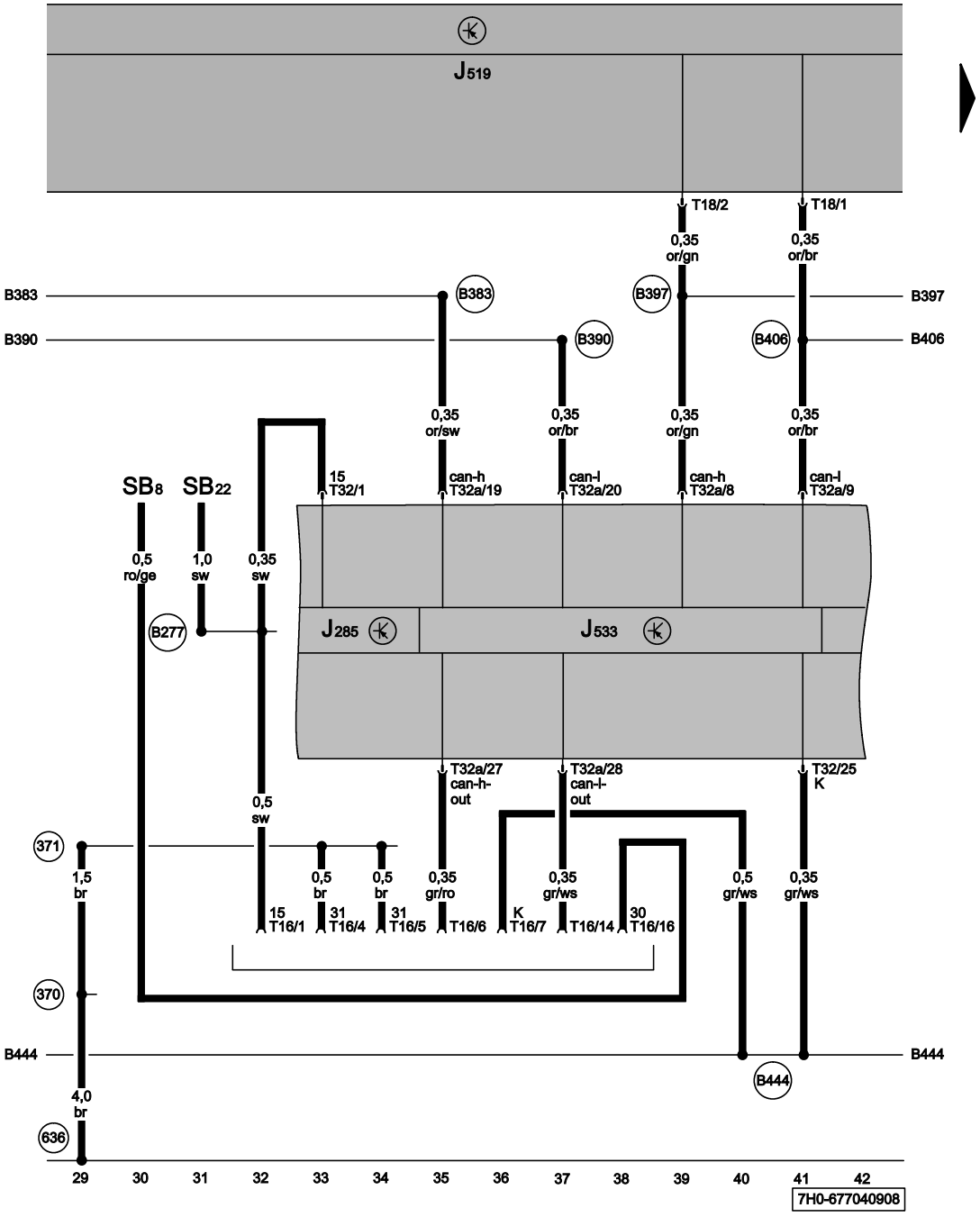
G24	Tachograph
G85	Steering angle sender
G419	ESP sensor unit
J104	ABS control unit
J234	Airbag control unit
J519	Onboard supply control unit
T8o	8-pin connector, white
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T41	41-pin connector
T47	47-pin connector
T75	75-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with ESP only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Automatic gearbox control unit, four-wheel drive control unit, engine control unit

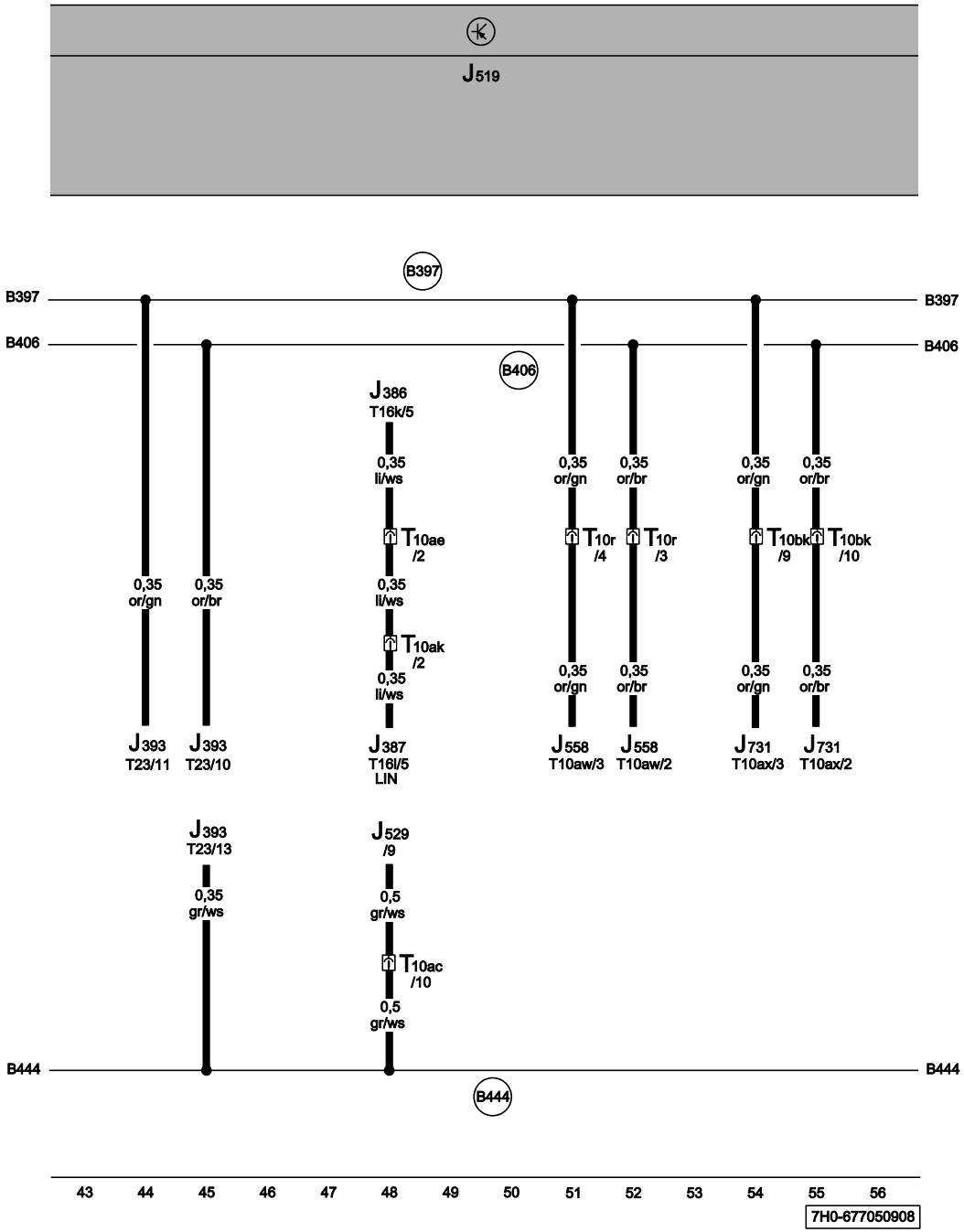
J217	Automatic gearbox control unit
J492	Four-wheel drive control unit
J519	Onboard supply control unit
J623	Engine control unit
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T8ag	8-pin connector, black, coupling station left D-pillar
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T10s	10-pin connector, brown, coupling station under driver seat
T52	52-pin connector
T94	94-pin connector
T121	121-pin connector
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
D159	Connection (high bus), in engine compartment wiring harness
D160	Connection (low bus), in engine compartment wiring harness
D166	Connection (K-diagnosis wiring), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine codes AXA, BDL, BDM and BKK only
***	for multivan, box-type delivery van and hybrid vehicle only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit in dash panel insert, onboard supply control unit, data bus diagnostic interface, diagnostic connector

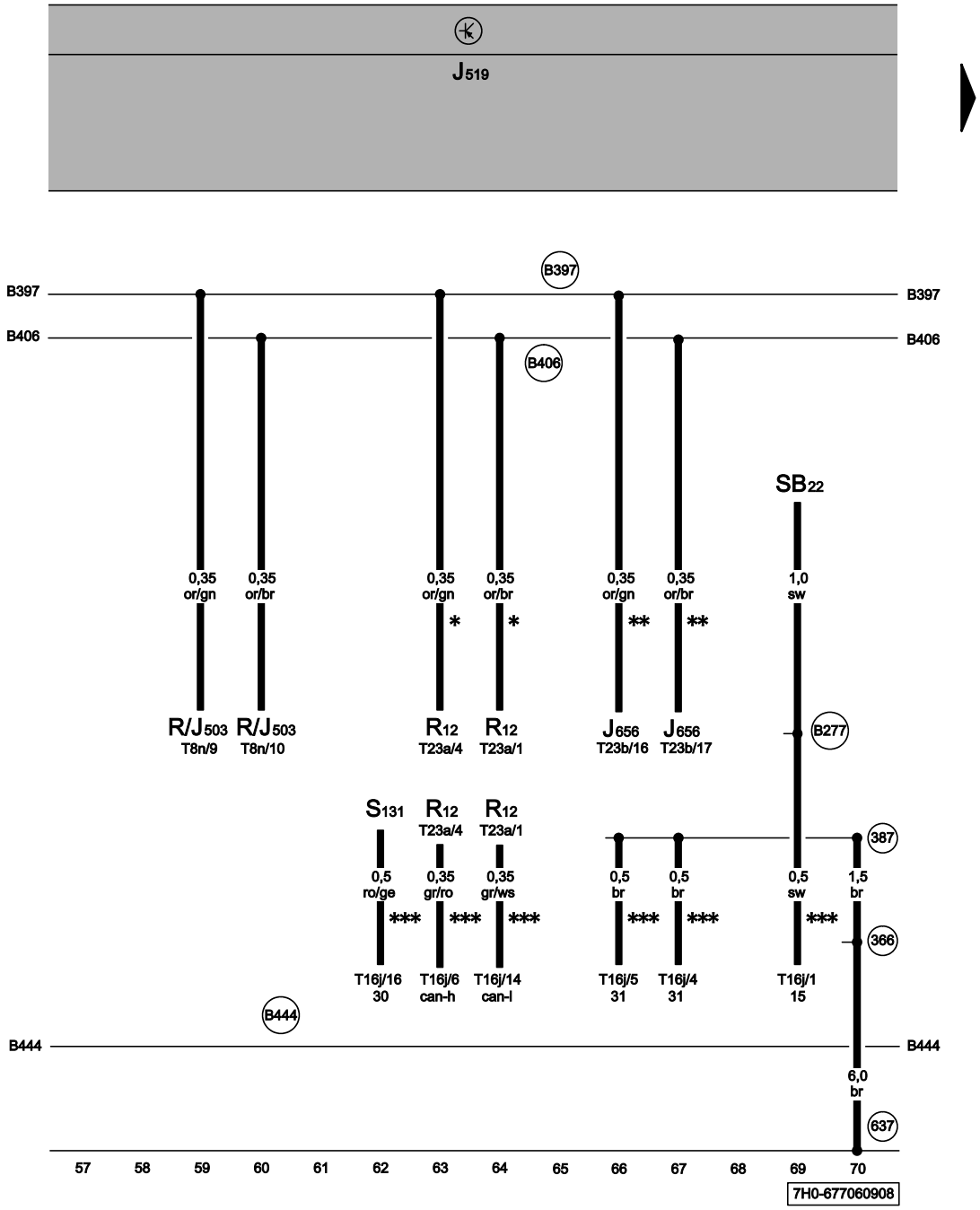
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J533	Data bus diagnostic interface
SB8	Fuse 8 on fuse holder B
SB22	Fuse 22 on fuse holder B
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T32	32-pin connector, blue
T32a	32-pin connector, green
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
B277	Positive connection 1 (15a), in main wiring harness
B383	Connection 1 (drive train CAN bus, high), in main wiring harness
B390	Connection 1 (drive train CAN bus, low), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness



Door control units, convenience system central control unit, sliding door control unit,anti-theft and tilt system control unit

J386	Driver door control unit
J387	Front passenger door control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J558	Left sliding door control unit
J731	Right sliding door control unit
T10r	10-pin connector, white, coupling station under driver seat
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10aw	10-pin connector
T10ax	10-pin connector
T10bk	10-pin connector, grey, coupling station under front passenger seat
T16k	16-pin connector, black
T16l	16-pin connector, black
T23	23-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness

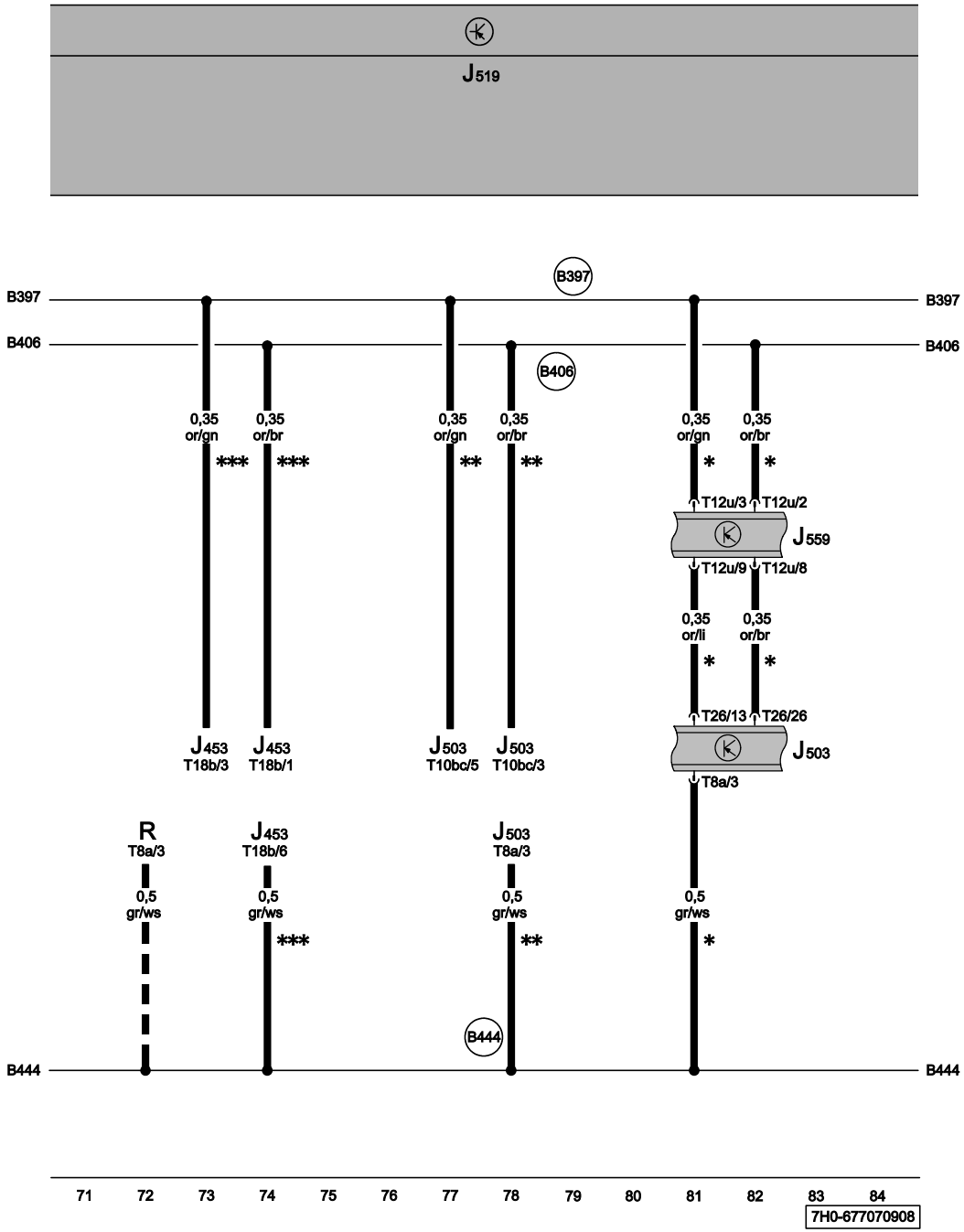
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or	=	orange
rs	=	pink



ws = white
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ro = red
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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Control unit with display for radio and navigation system, voice amplification control unit, radio, amplifier, diagnostic connector 2

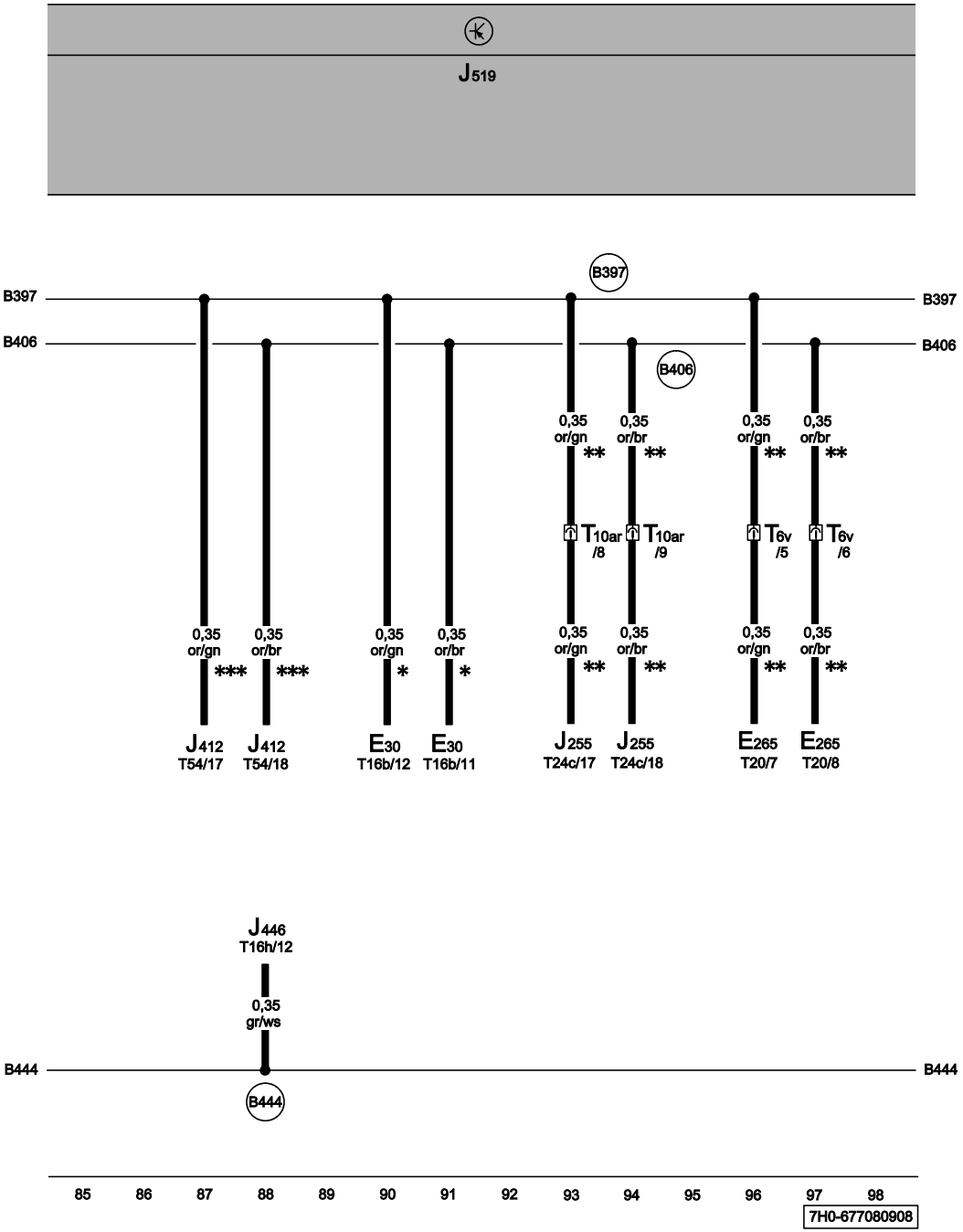
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J656	Voice amplification control unit
R	Radio
R12	Amplifier
S131	Fuse 1
SB22	Fuse 22 on fuse holder B
T8n	8-pin connector
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
T23a	23-pin connector, red
T23b	23-pin connector, black
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B277	Positive connection 1 (15a), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sound package or voice amplification only (9VK/VX2)
**	for models with voice amplification only (VX2)
***	for models with digital sound package only (9VE)



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Multifunction steering wheel control unit, control unit with display for radio and navigation system, traffic information control unit, radio

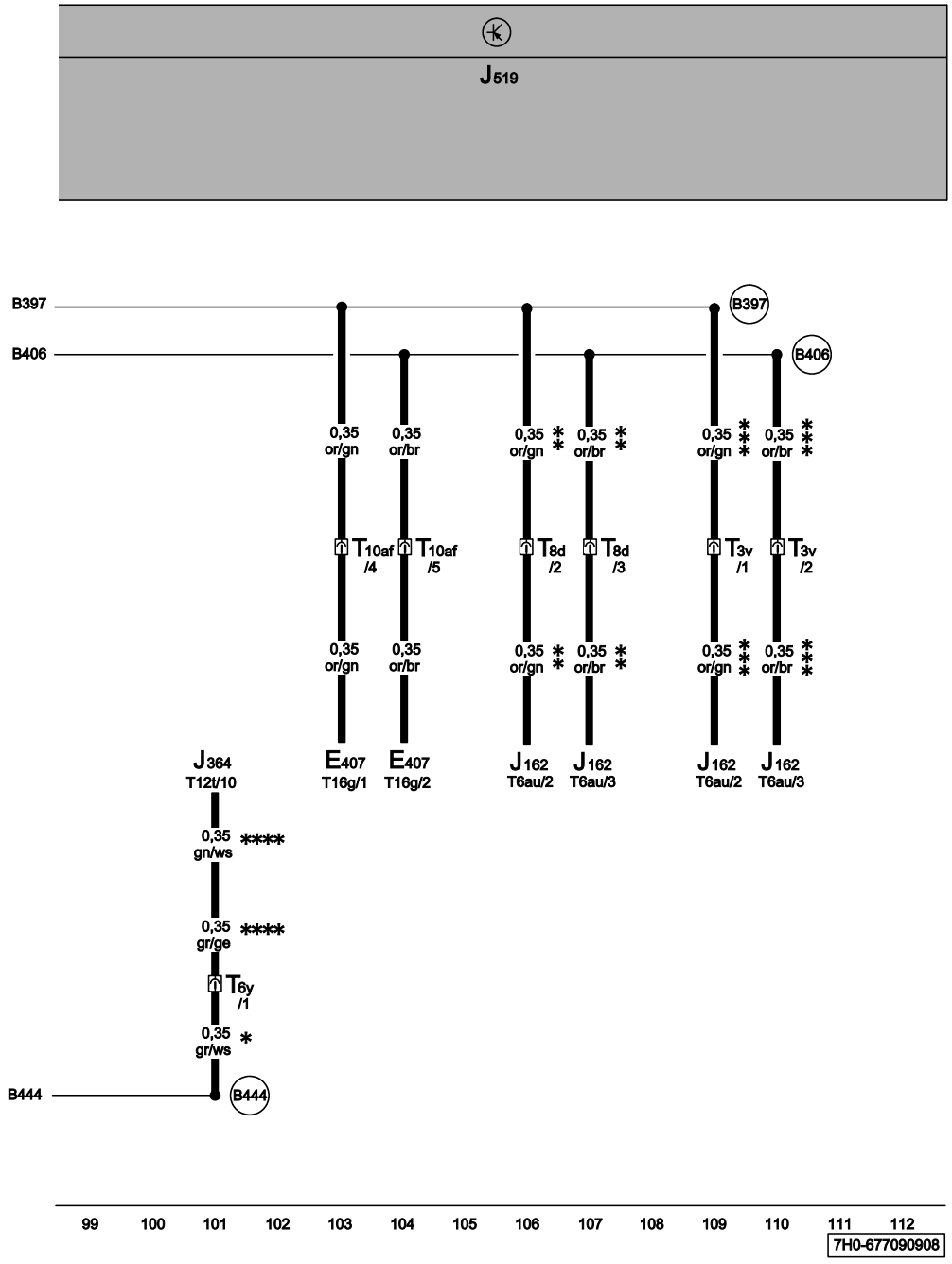
J453	Multifunction steering wheel control unit
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J559	Traffic information control unit
R	Radio
T8a	8-pin connector, black
T10bc	10-pin connector, red
T12u	12-pin connector, black
T18b	18-pin connector, black
T26	26-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with radio navigation system and traffic information evaluation only (7Q7)
**	for models with radio and navigation system with black/white-display only (7Q5)
***	for models with multifunction display only
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Air conditioning system switch, rear Climatronic operating and display unit, Climatronic control unit, mobile telephone operating electronics control unit, parking aid control unit

E30	Air conditioning system switch
E265	Operating and display unit for rear Climatronic
J255	Climatronic control unit
J412	Mobile telephone operating electronics control unit
J446	Parking aid control unit
J519	Onboard supply control unit
T6v	6-pin connector, red, coupling station under front passenger seat
T10ar	10-pin connector, green, behind the glove compartment
T16b	16-pin connector, black
T16h	16-pin connector, brown
T20	20-pin connector
T24c	24-pin connector, brown
T54	54-pin connector, black
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with air conditioning system and engine codes AXD, AXE, BLJ, BNZ and BPC only
**	for models with Climatronic only
***	only models with mobile telephone operating electronics control unit

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Auxiliary heater operating and display unit, heater control unit, auxiliary heater control unit

E407	Auxiliary heater operating and display unit
J162	Heater control unit
J364	Auxiliary heater control unit
J519	Onboard supply control unit
T3v	3-pin connector, black, on underbody, next to the auxiliary heater
T6y	6-pin connector, blue, coupling station under front passenger seat
T6au	6-pin connector, black
T8d	8-pin connector, black, on underbody, next to the auxiliary heater
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
T16g	16-pin connector
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with auxiliary air heater only
**	for models with auxiliary coolant heater Thermo Top Z / C-B, Thermo Top Z / C-D only
***	for models with auxiliary coolant heater (auxiliary heater) only
****	depends on equipment

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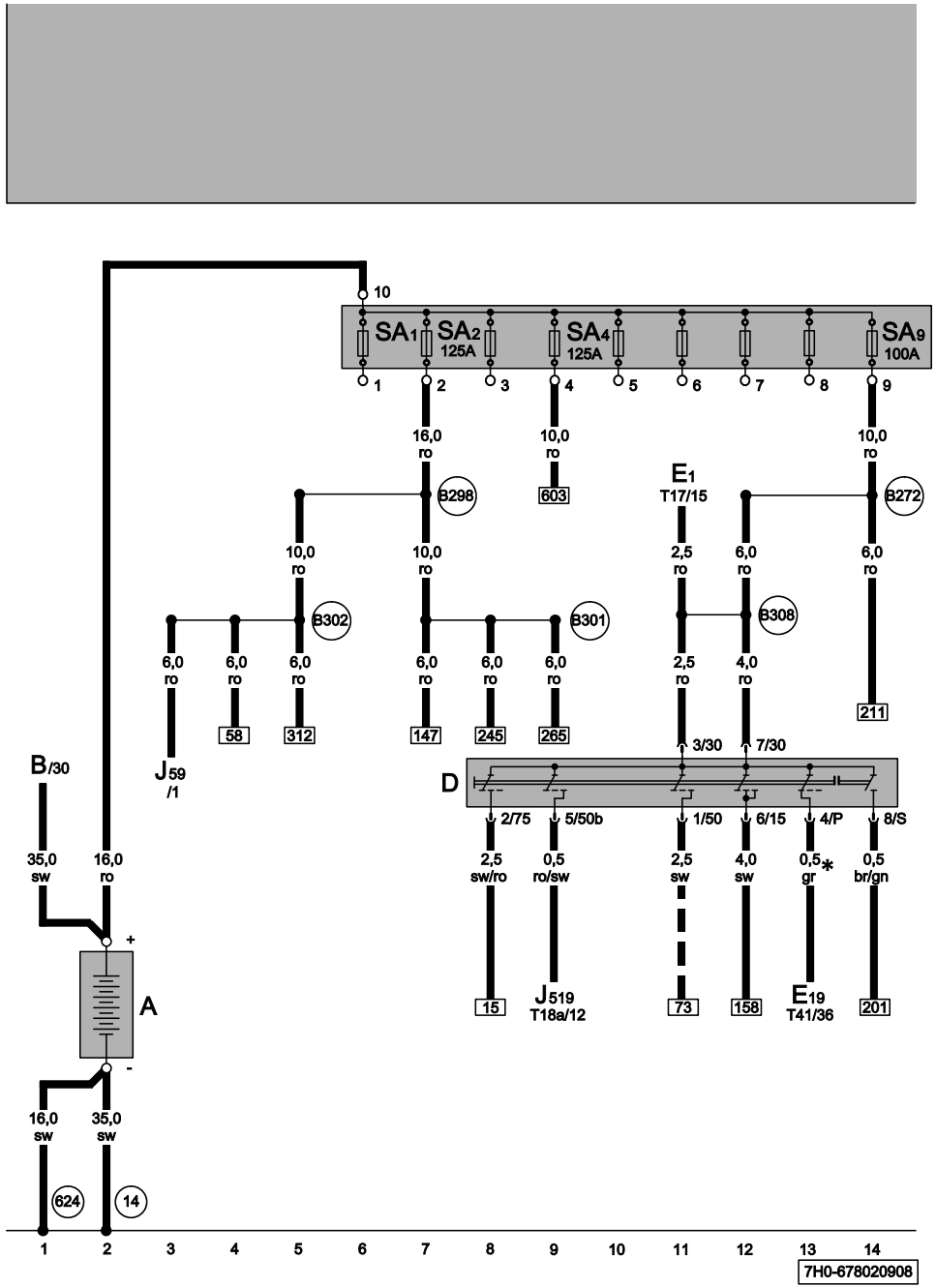
Fuse concept 2

⇒ **Fuses SB**
⇒ **Fuses SC**
⇒ **Fuses SD**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



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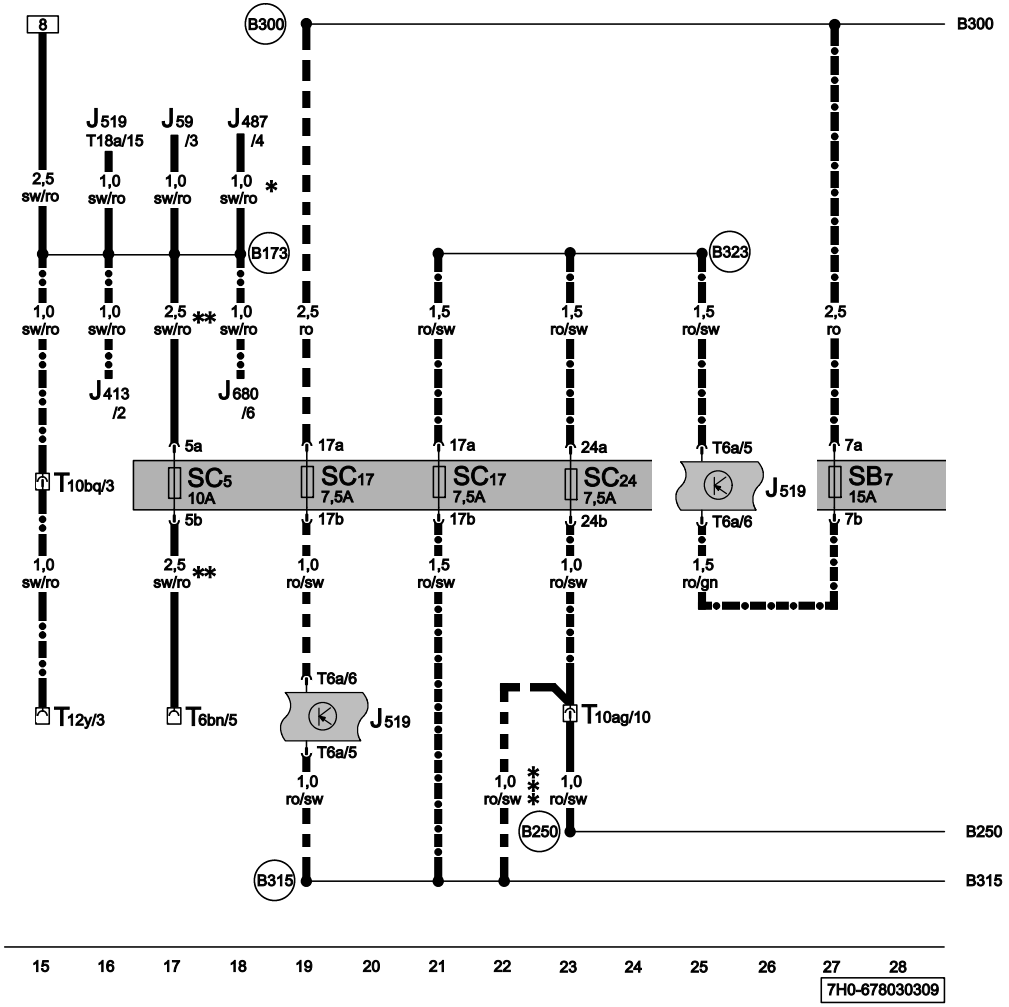
Battery, starter, ignition/starter switch, fuses SA1, SA2, SA4 and SA9

A	Battery
B	Starter
D	Ignition/starter switch
E1	Light switch
E19	Parking light switch
J59	X-contact relief relay
J519	Onboard supply control unit
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA4	Fuse 4 on fuse holder A
SA9	Fuse 9 on fuse holder A
T17	17-pin connector
T18a	18-pin connector, brown
T41	41-pin connector
14	Earth point, on gearbox
624	Earth point, starter battery
B272	Positive connection (30), in main wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B302	Positive connection 6 (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	for models without day driving light only

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for models with manual gearbox only

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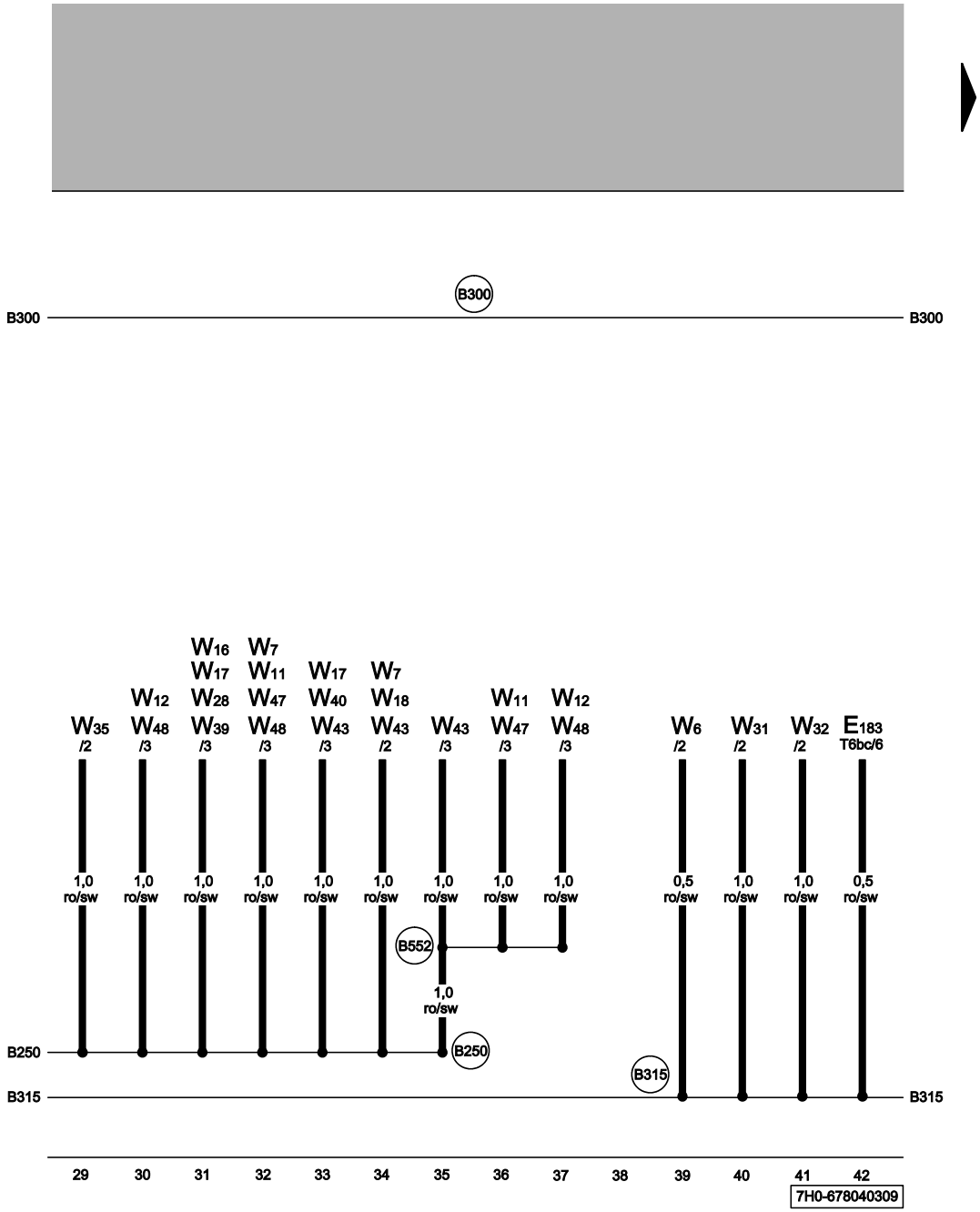
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Fuses SB7, SC5, SC17 and SC24

J59	X-contact relief relay
J413	Horn relay
J487	Fresh air blower isolation relay
J519	Onboard supply control unit
J680	Terminal 75 voltage supply relay 1
SB7	Fuse 7 on fuse holder B
SC5	Fuse 5 on fuse holder C
SC17	Fuse 17 on fuse holder C
SC24	Fuse 24 on fuse holder C
T6a	6-pin connector, brown
T6bn	6-pin connector, grey, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
T18a	18-pin connector, brown
B173	Positive connection 2 (X), in interior wiring harness
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment
**	for models with electric interface only
***	not for double cab and plank bed vehicles
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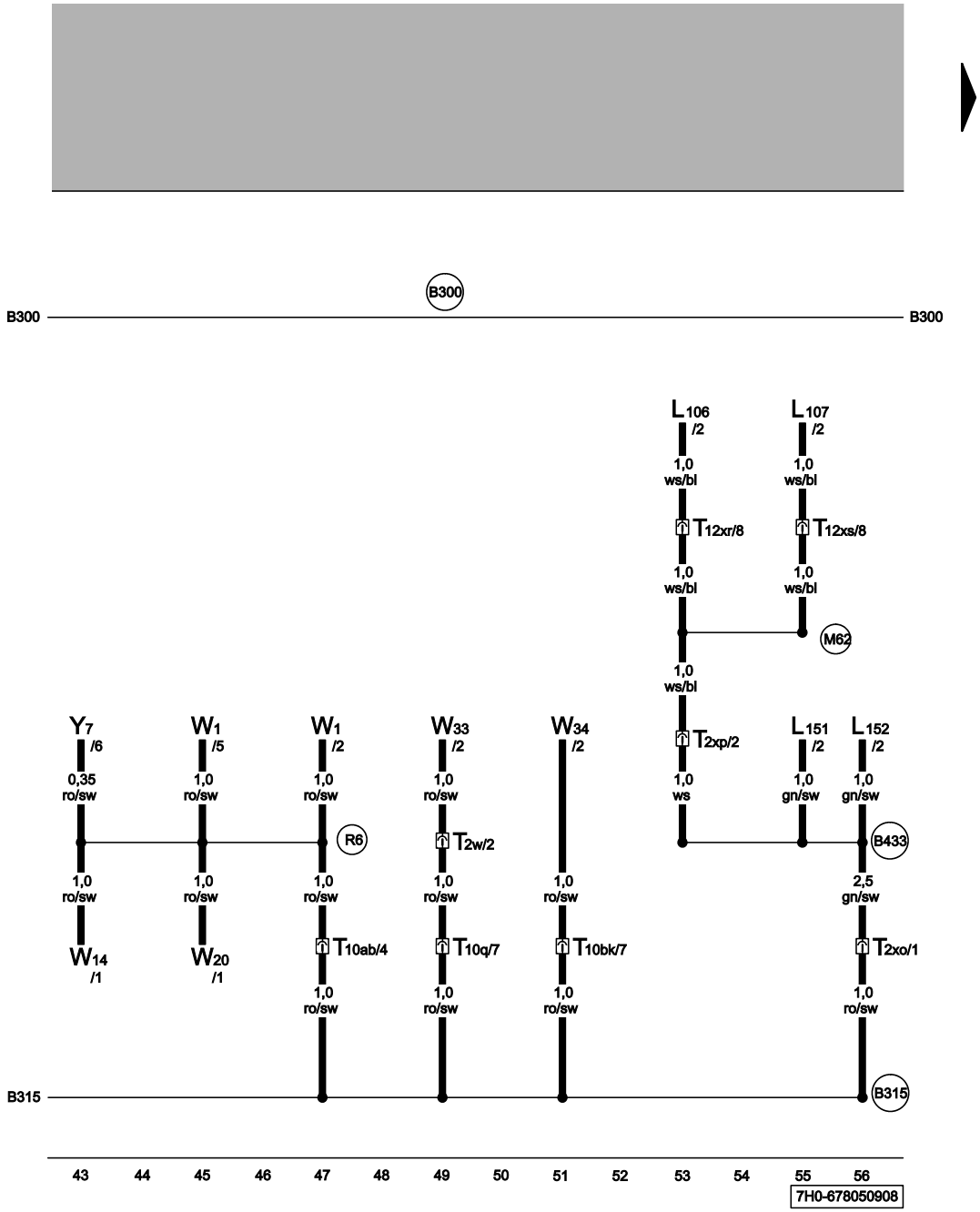
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gr	=	grey
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
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or = orange
rs = pink

Illumination

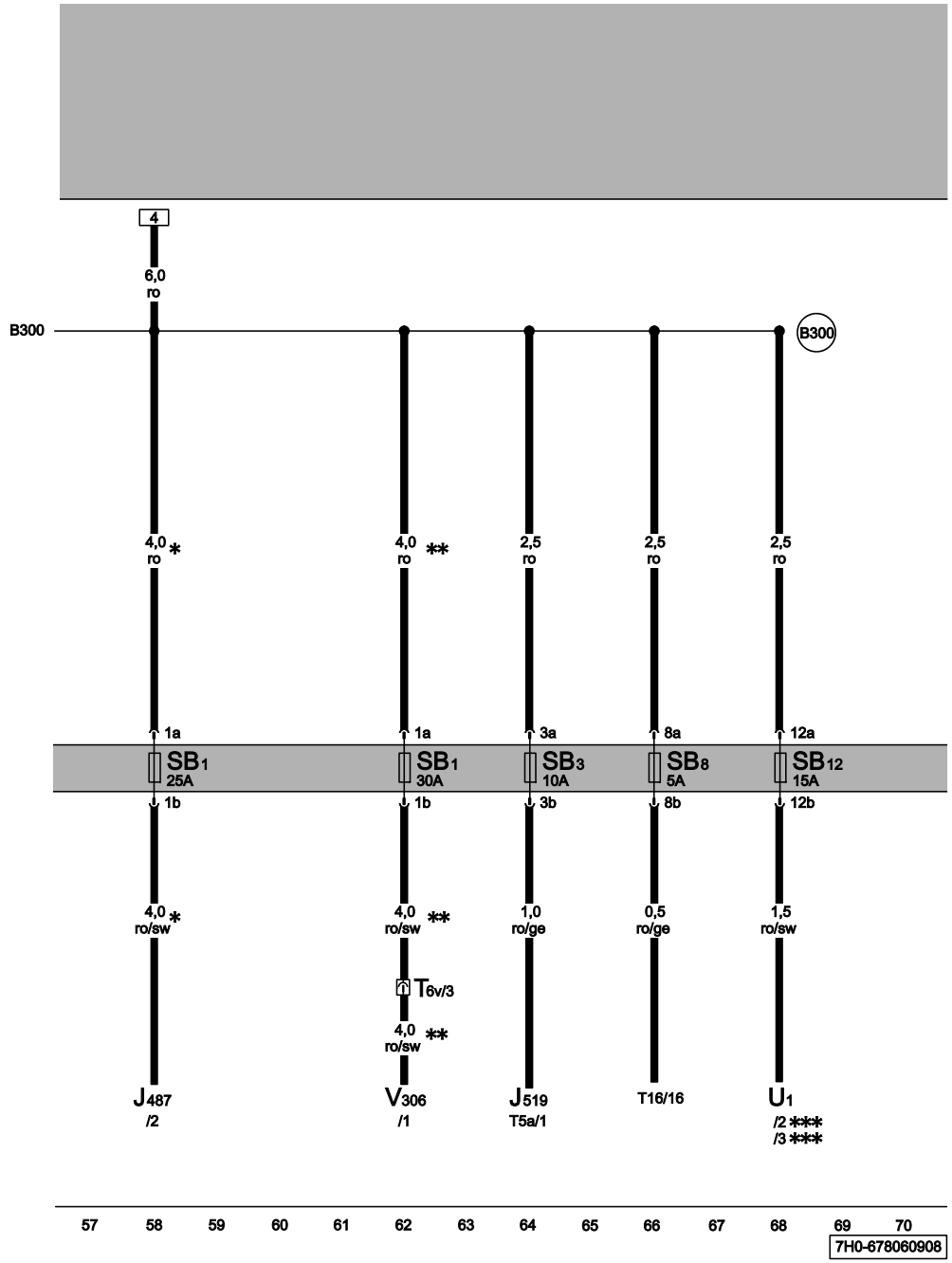
E183	Interior monitor deactivation switch
W6	Glove compartment light
W7	Centre interior light
W11	Rear left reading light
W12	Rear right reading light
W16	Left interior light
W17	Right interior light
W18	Luggage compartment light on left
W28	Front interior light in high roof
W31	Front left entry light
W32	Front right entry light
W35	Right luggage compartment light
W39	Left centre reading light
W40	Right centre reading light
W43	Rear interior light
W47	Rear left interior light
W48	Rear right interior light
T6bc	6-pin connector, blue
B250	Positive connection in roof wiring harness
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B552	Positive connection 2, in roof wiring harness



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

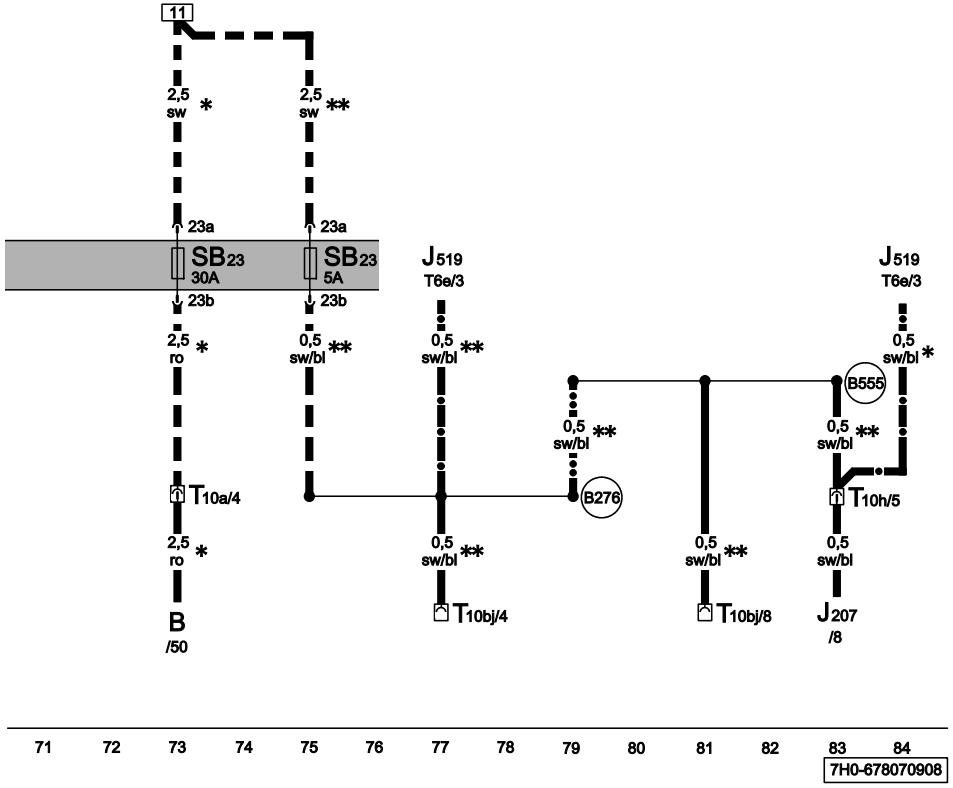
L106	Rear left footwell illumination bulb
L107	Rear right footwell illumination bulb
L151	Front left footwell illumination bulb
L152	Front right footwell illumination bulb
W1	Front interior light
W14	Front passenger side illuminated vanity mirror
W20	Driver side illuminated vanity mirror
W33	Rear left entry light
W34	Rear right entry light
Y7	Automatic anti-dazzle interior mirror
T2w	2-pin connector, black, lower left B-pillar
T2xo	2-pin connector
T2xp	2-pin connector
T10q	10-pin connector, grey, coupling station under driver seat
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12xr	12-pin connector
T12xs	12-pin connector
B300	Positive connection 4 (30), in main wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B433	Connection (footwell light), in main wiring harness
M62	Connection 2, in rear seat wiring harness
R6	Positive connection 1, in interior light wiring harness



Fuses SB1, SB3, SB8 and SB12

J487	Fresh air blower isolation relay
J519	Onboard supply control unit
SB1	Fuse 1 on fuse holder B
SB3	Fuse 3 on fuse holder B
SB8	Fuse 8 on fuse holder B
SB12	Fuse 12 on fuse holder B
T5a	5-pin connector, brown
T6v	6-pin connector, red, coupling station under front passenger seat
T16	16-pin connector, diagnostic connector
U1	Cigarette lighter
V306	Rear blower Bitron regulation motor
B300	Positive connection 4 (30), in main wiring harness
*	for models without Climatronic only
**	for models with Climatronic only
***	depends on equipment

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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rs	=	pink



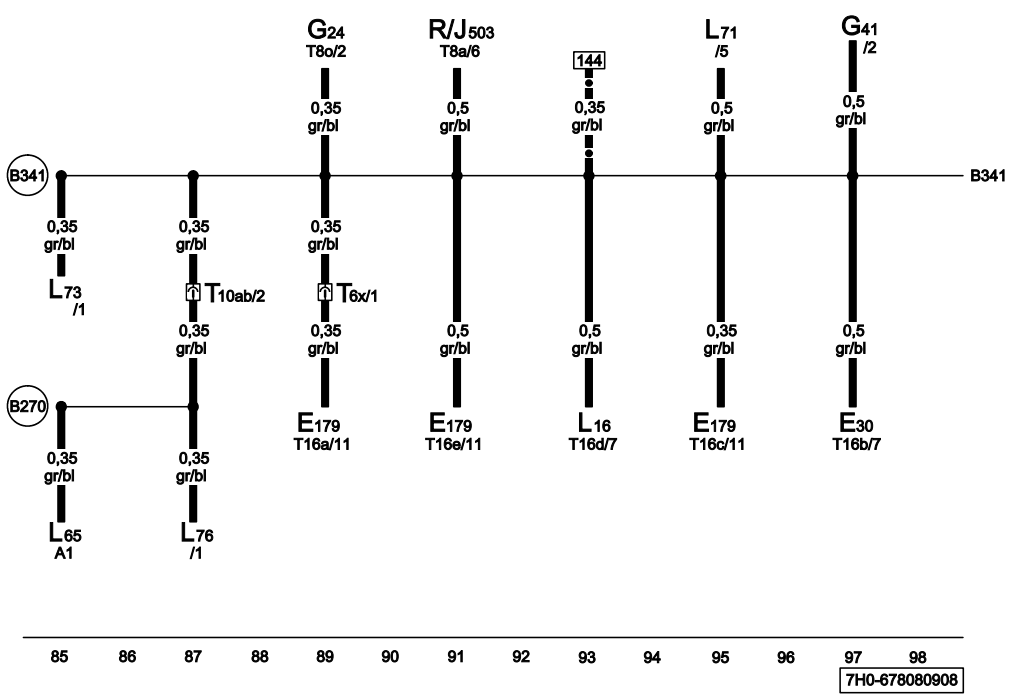
Fuses SB23

B	Starter
J207	Starter inhibitor relay
J519	Onboard supply control unit
SB23	Fuse 23 on fuse holder B
T6e	6-pin connector, red
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T10bj	10-pin connector, yellow, coupling station under driver seat
B276	Positive connection (50), in main wiring harness
B555	Positive connection 2 (50), in main wiring harness
*	for models without electric interface only
**	for models with electric interface only
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
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rs	=	pink

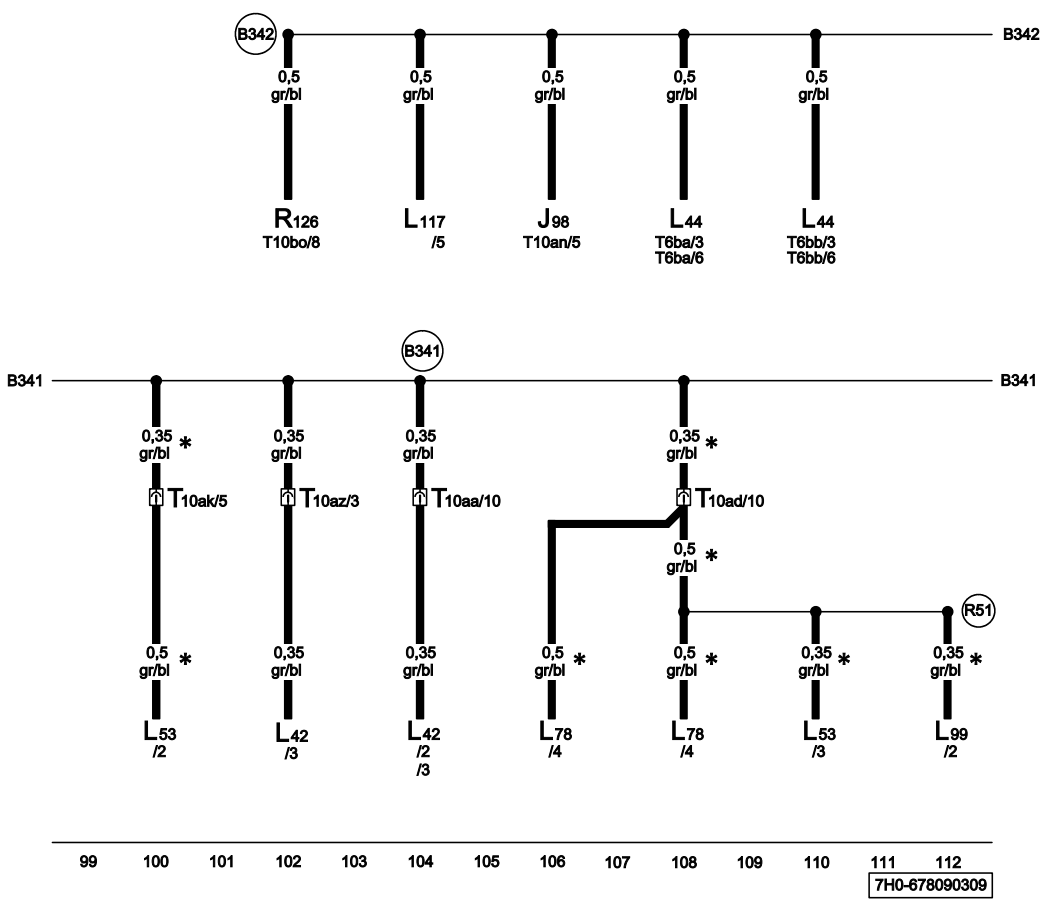


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ro = red
br = brown
gn = green
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li = purple
ge = yellow
or = orange
rs = pink

Illumination

E30	Air conditioning system switch
E179	Rear fresh air blower switch
G24	Tachograph
G41	Taxi meter
J503	Control unit with display for radio and navigation system
L16	Fresh air regulator illumination bulb
L65	Sliding sunroof switch illumination bulb
L71	Traction control switch illumination bulb
L73	Interior light switch illumination bulb (taxi)
L76	Button illumination bulb
R	Radio
T6x	6-pin connector, purple, coupling station under front passenger seat
T8a	8-pin connector, black
T8o	8-pin connector, white
T10ab	10-pin connector, white, coupling station on left of A-pillar
T16a	16-pin connector, black
T16b	16-pin connector, black
T16c	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
B270	Connection (58s), in roof wiring harness
B341	Connection 2 (58d), in main wiring harness

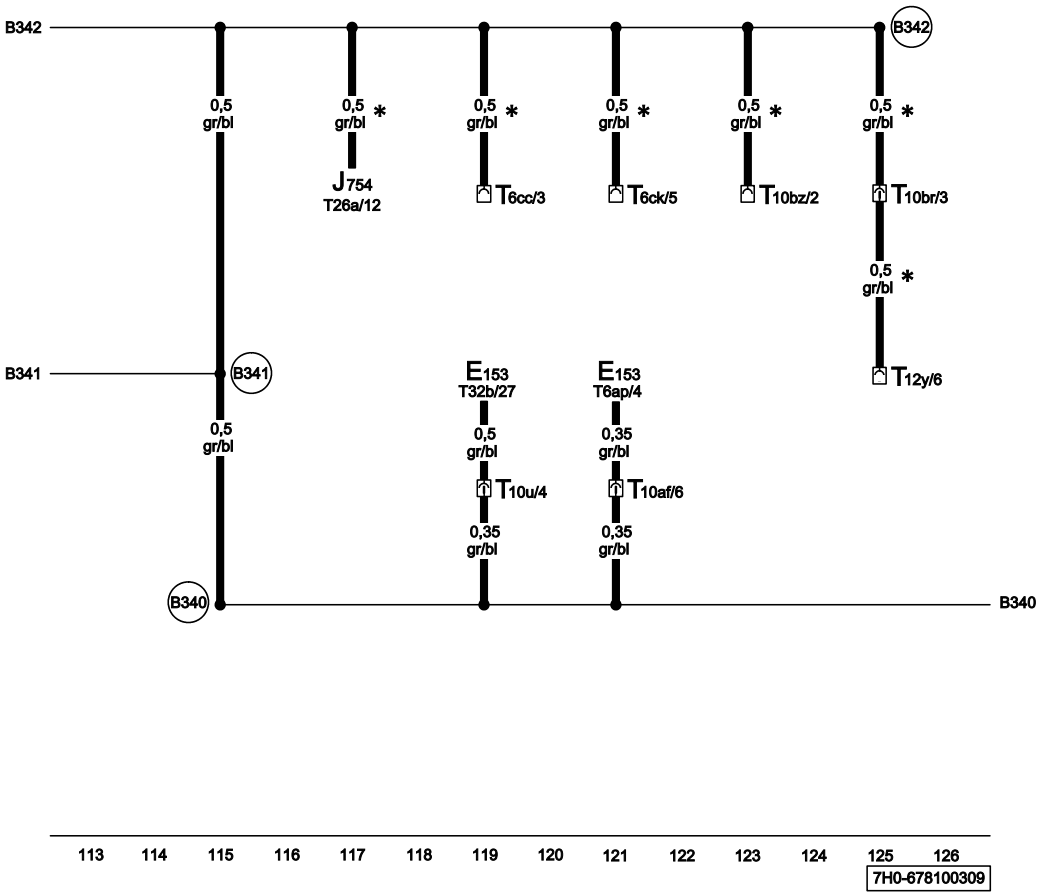
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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Illumination

J98	Gearshift indicator control unit
L42	Socket illumination bulb
L44	Seat heating switch illumination bulb
L53	Window regulator switch illumination bulb
L78	Mirror adjustment switch illumination bulb
L99	Interior lock switch illumination bulb
L117	Parking aid switch illumination bulb
R126	Telephone bracket
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10an	10-pin connector, black
T10az	10-pin connector, white, coupling station under front passenger seat
T10bo	10-pin connector, black, near telephone bracket
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
R51	Connection (58b), in driver side door wiring harness
*	depends on equipment



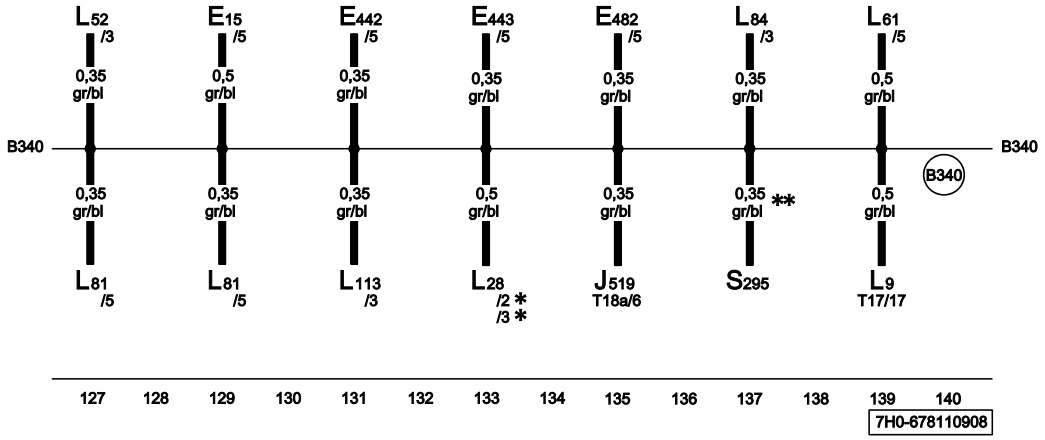
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Illumination

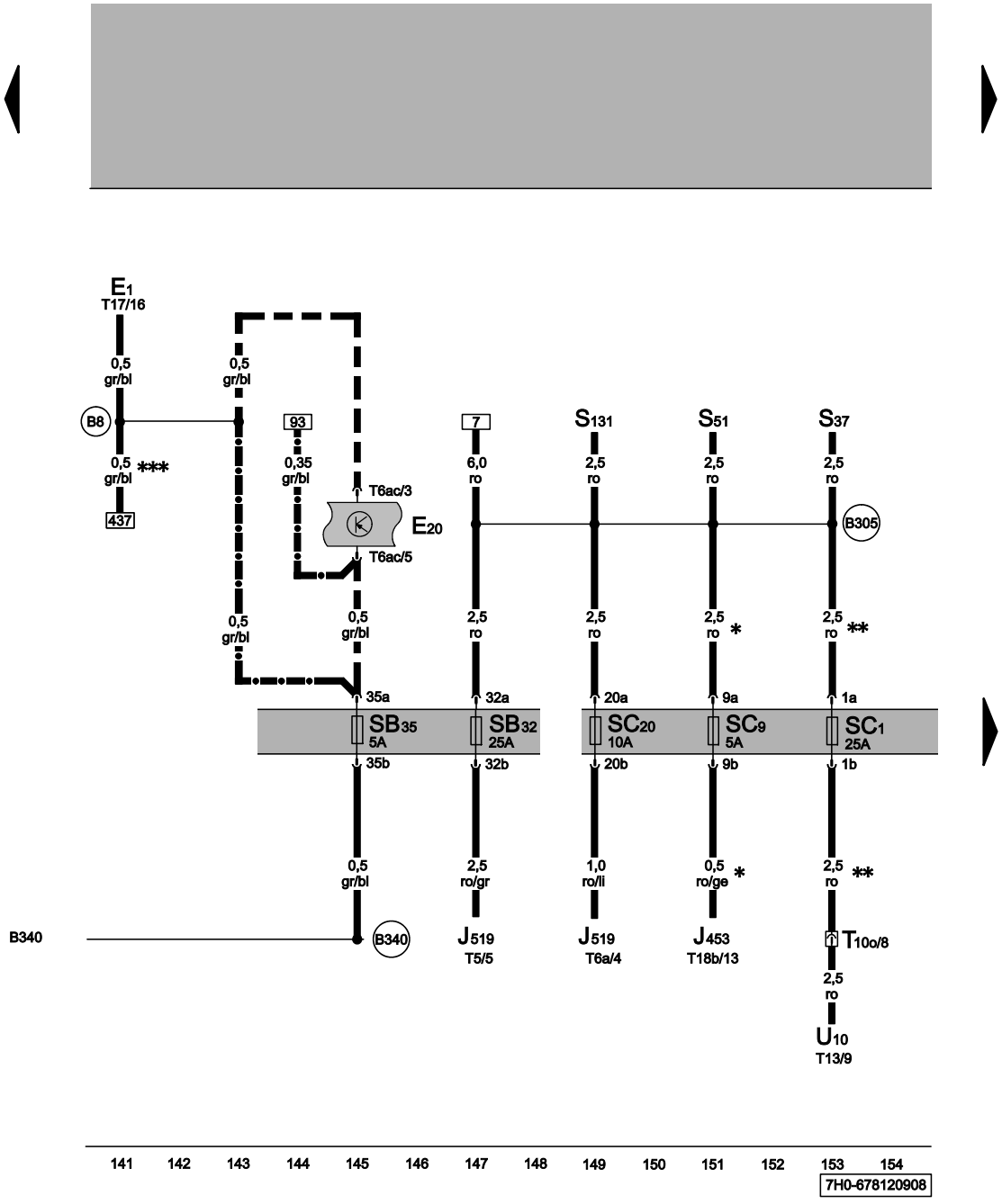
E153	Operating and display unit for camping equipment
J754	Accident data memory
T6ap	6-pin connector
T6cc	6-pin connector, black, 2-way radio switch interface
T6ck	6-pin connector, black, interior light switch interface
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T10bz	10-pin connector, green, navigation system interface, under front passenger seat
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
T26a	26-pin connector, black, under front passenger seat
T32b	32-pin connector, black
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness
*	for models with optimal equipment police (UF5/UF7) only

Illumination and fuse S295

E15	Heated rear window switch
E442	Sliding door button
E443	Button to deactivate sliding door
E482	Right sliding door button
J519	Onboard supply control unit
L9	Light switch illumination bulb
L28	Cigarette lighter illumination bulb
L52	Light connection for fader regulator
L61	Differential lock switch illumination bulb
L81	Roof ventilator switch illumination bulb
L84	Red Cross light switch illumination bulb
L113	Rotating light and siren switch illumination bulb
S295	Special vehicle fuse 5
T17	17-pin connector
T18a	18-pin connector, brown
B340	Connection 1 (58d), in main wiring harness
*	depends on equipment
**	for models with electric interface only



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ro	=	red
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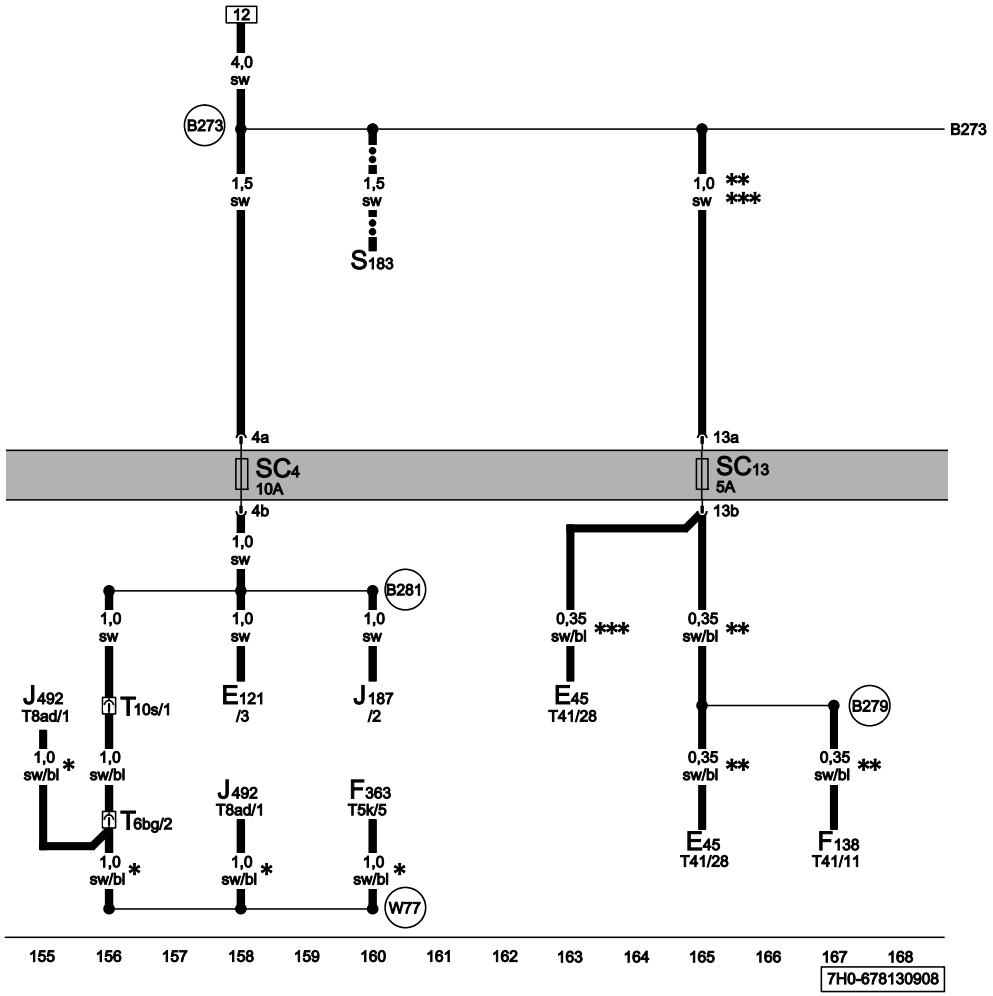
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Fuses S37, S51, S131, SB32, SB35, SC1, SC9 and SC20

E1	Light switch
E20	Switches and instruments illumination regulator
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
S37	Window regulator single fuse
S51	Fuse
S131	Fuse 1
SB32	Fuse 32 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC1	Fuse 1 on fuse holder C
SC9	Fuse 9 on fuse holder C
SC20	Fuse 20 on fuse holder C
T5	5-pin connector, black
T6a	6-pin connector, brown
T6ac	6-pin connector
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T18b	18-pin connector, black
U10	Trailer socket
B8	Positive connection (58), in light switch wiring harness
B305	Positive connection 9 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
*	for models with operating unit in steering wheel for radio and CCS only
**	for models with towing coupling (1D1/1D2) and without second battery (8FA) only
***	for models without day driving light only
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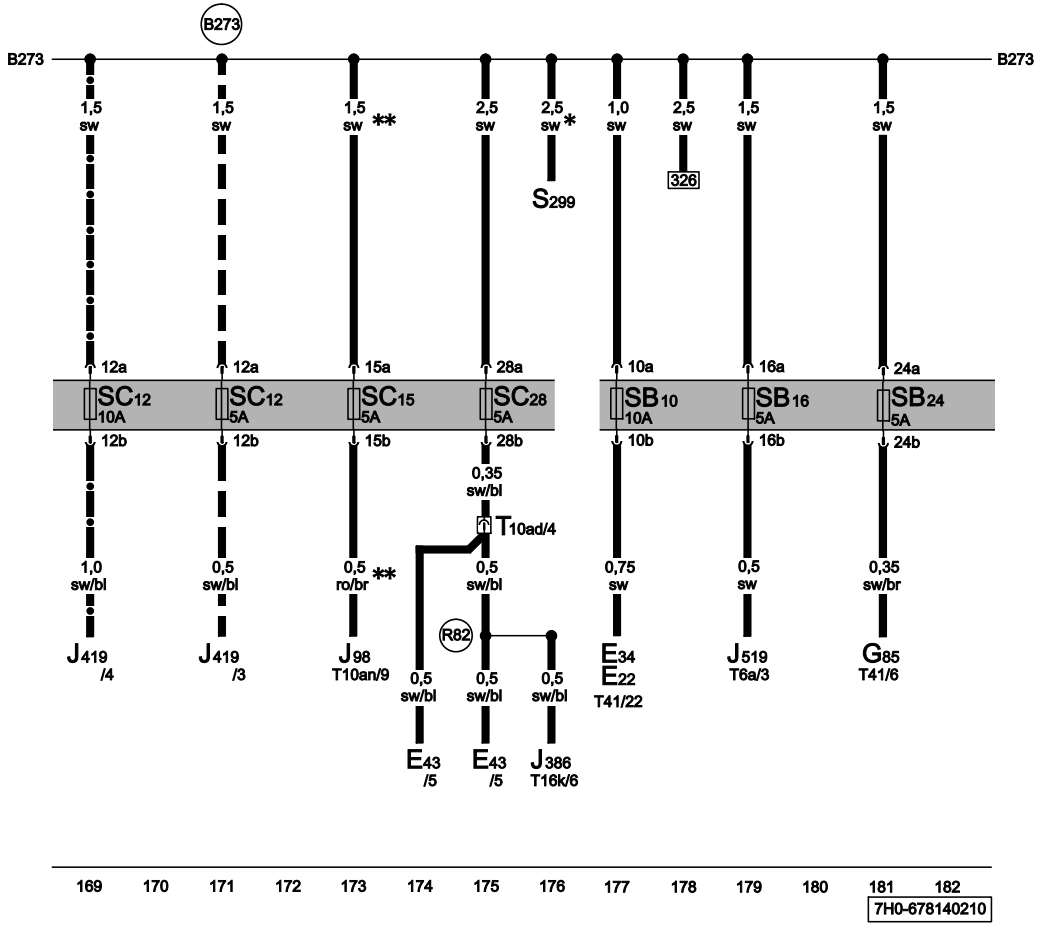


ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S183, SC4 and SC13

E45	Cruise control system switch
E121	Rear differential lock switch
F138	Airbag coil connector and return spring with slip ring
F363	Rear differential lock vacuum switch
J187	Differential lock control unit
J492	Four-wheel drive control unit
S183	Taxi meter and alarm system fuse
SC4	Fuse 4 on fuse holder C
SC13	Fuse 13 on fuse holder C
T5k	5-pin connector
T6bg	6-pin connector, black, near rear differential
T8ad	8-pin connector, black
T10s	10-pin connector, brown, coupling station under driver seat
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
B279	Positive connection 3 (15a), in main wiring harness
B281	Positive connection 5 (15a), in main wiring harness
W77	Positive connection 1 (15) in four-wheel drive wiring harness
*	depends on equipment
**	for models with operating unit in steering wheel for radio and CCS only
***	for models with cruise control system only

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Fuses S299, SB10, SB16, SB24, SC12, SC15 and SC28

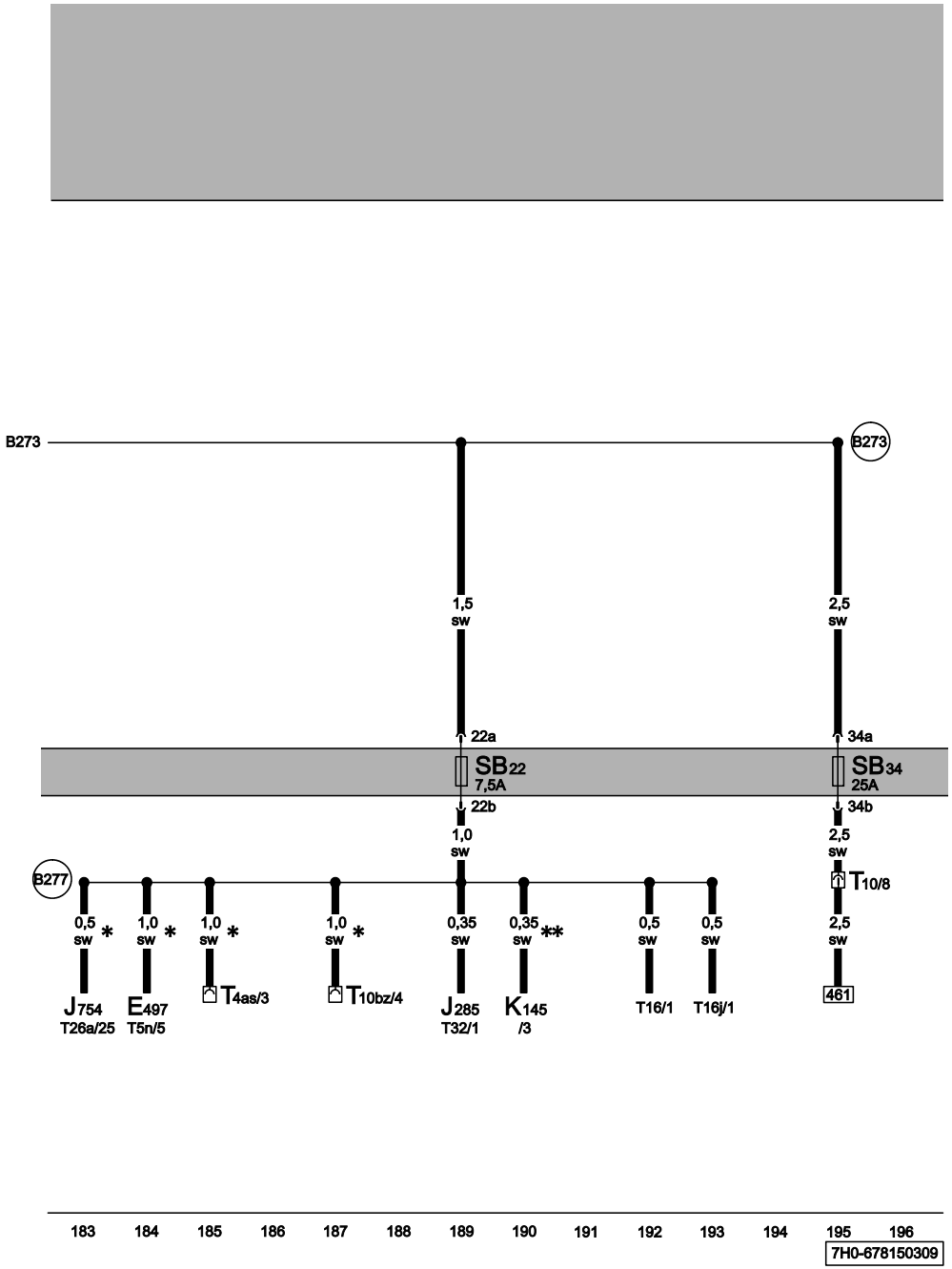
E22	Intermittent wiper switch
E34	Rear wiper switch
E43	Mirror adjustment switch
G85	Steering angle sender
J98	Gearshift indicator control unit
J386	Driver door control unit
J419	Brake light additional relay
J519	Onboard supply control unit
S299	Special vehicle fuse 9
SB10	Fuse 10 on fuse holder B
SB16	Fuse 16 on fuse holder B
SB24	Fuse 24 on fuse holder B
SC12	Fuse 12 on fuse holder C
SC15	Fuse 15 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10an	10-pin connector, black
T16k	16-pin connector, black
T41	41-pin connector
B273	Positive connection (15), in main wiring harness
R82	Positive connection 1 (15a), in driver door wiring harness
*	for models with electric interface only
**	for models with automatic gearbox only

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for models with ABS and ESP only

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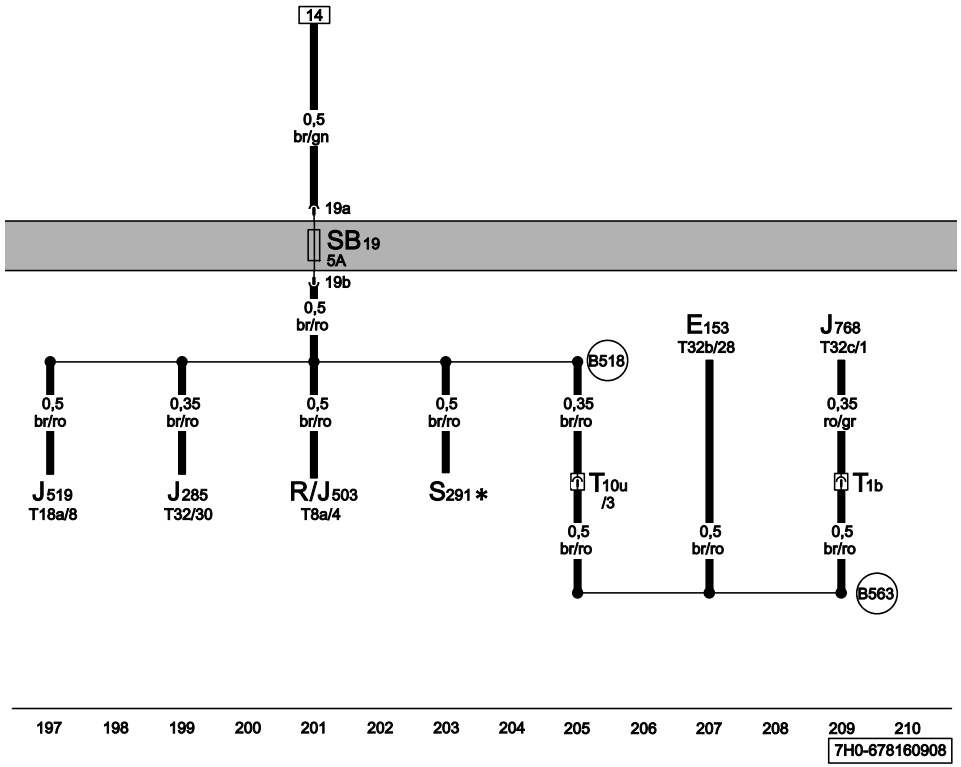
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Fuses SB22 and SB34

E497	Accident data recorder button
J285	Control unit in dash panel insert
J754	Accident data memory
K145	Front passenger side airbag deactivated warning lamp
SB22	Fuse 22 on fuse holder B
SB34	Fuse 34 on fuse holder B
T4as	4-pin connector, black, engine continues to run with no key button interface
T5n	5-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10bz	10-pin connector, green, navigation system interface, under front passenger seat
T16	16-pin connector, diagnostic connector
T16j	16-pin connector, diagnostic connector 2, under front passenger seat
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
B273	Positive connection (15), in main wiring harness
B277	Positive connection 1 (15a), in main wiring harness
*	for models with optimal equipment police (UF5/UF7) only
**	for models with key operated switch to deactivate front passenger side airbag only

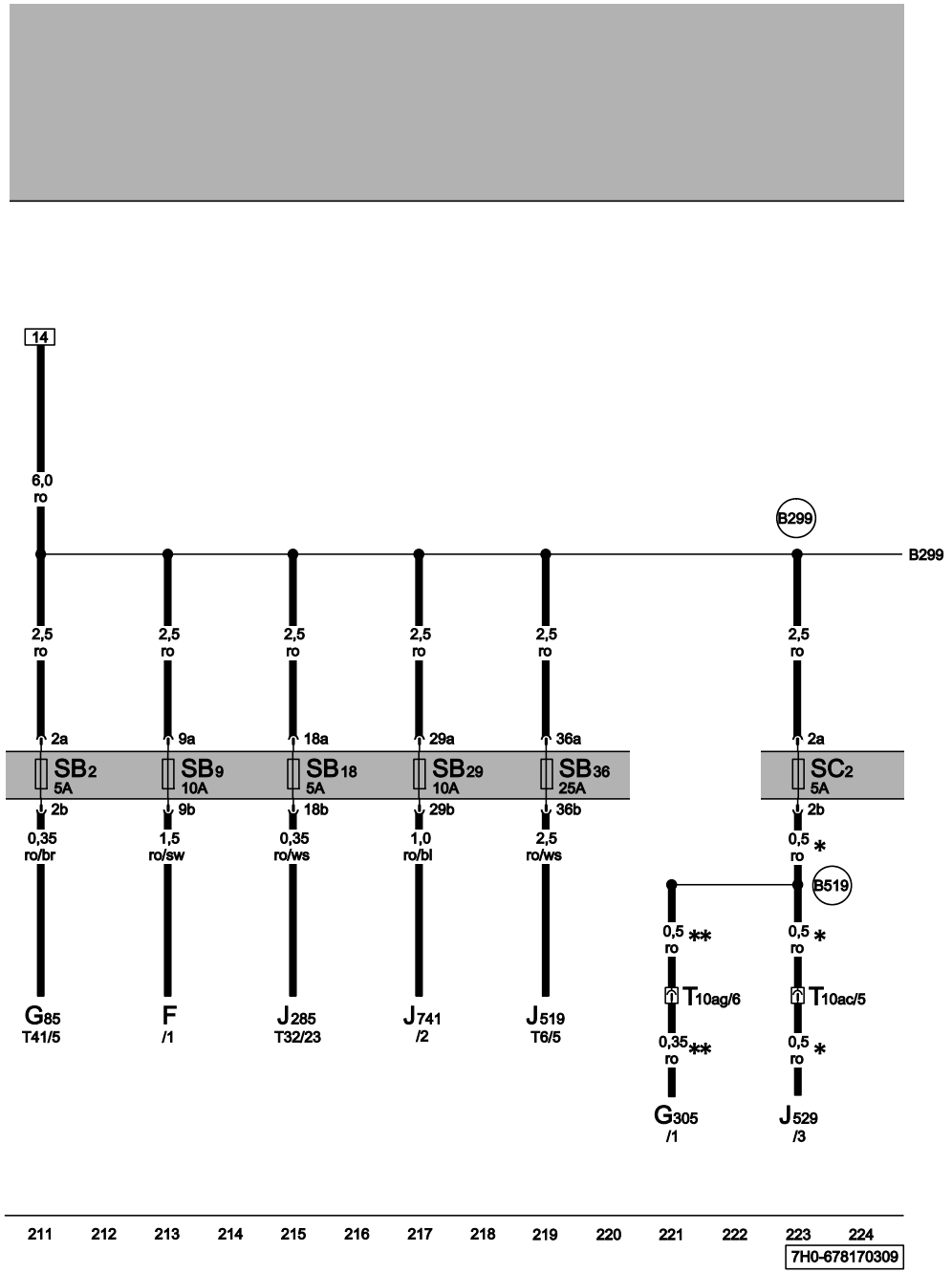
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses S291 and SB19

E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
J768	Roof hydraulics control unit
R	Radio
S291	Special vehicle fuse 1
SB19	Fuse 19 on fuse holder B
T1b	Single connector, grey, near roof hydraulics control unit
T8a	8-pin connector, black
T10u	10-pin connector, blue, coupling station under driver seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
T32c	32-pin connector, black
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness
*	for models with electric interface only

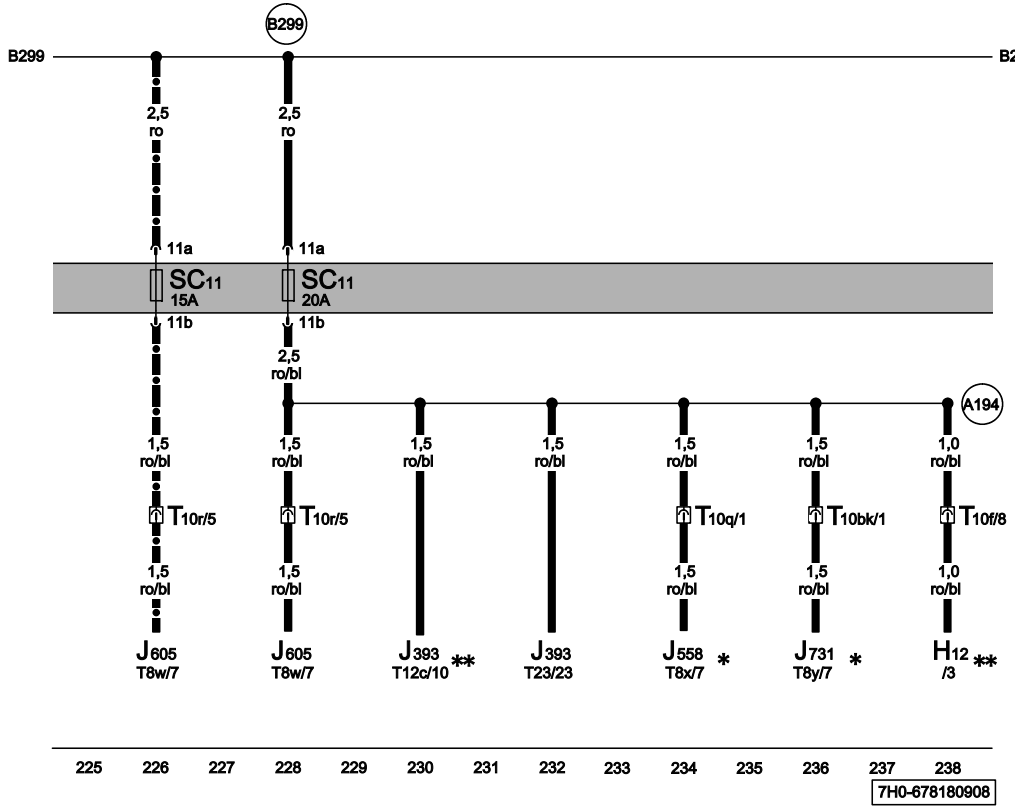
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rs	=	pink



ws = white
sw = black
ro = red
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gr = grey
li = purple
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or = orange
rs = pink

Fuses SB2, SB9, SB18, SB29, SB36 and SC2

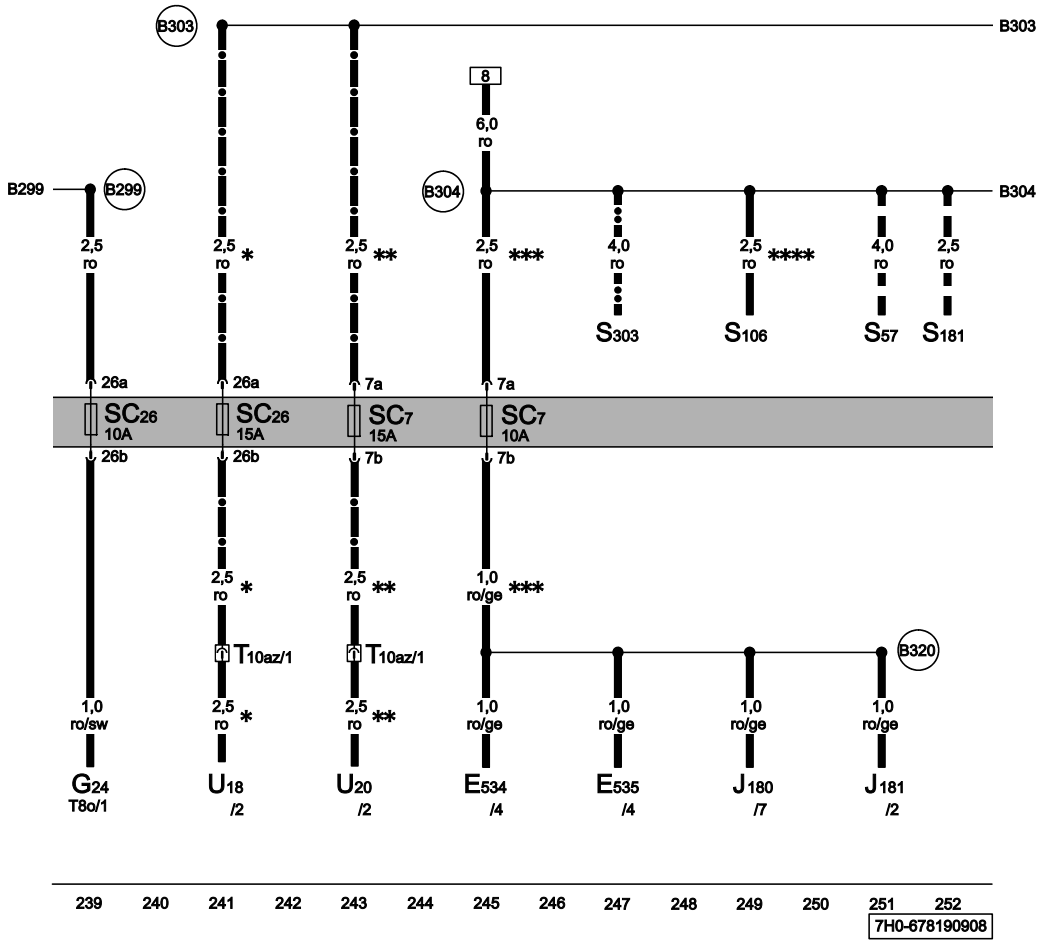
F	Brake light switch
G85	Steering angle sender
G305	Interior monitor send and receive module 2
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
J741	Dual signal inverter relay
SB2	Fuse 2 on fuse holder B
SB9	Fuse 9 on fuse holder B
SB18	Fuse 18 on fuse holder B
SB29	Fuse 29 on fuse holder B
SB36	Fuse 36 on fuse holder B
SC2	Fuse 2 on fuse holder C
T6	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T32	32-pin connector, blue
T41	41-pin connector
B299	Positive connection 3 (30), in main wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for models with anti-theft alarm system only 7AL/7AQ
**	for models with anti-theft alarm system only 7AL



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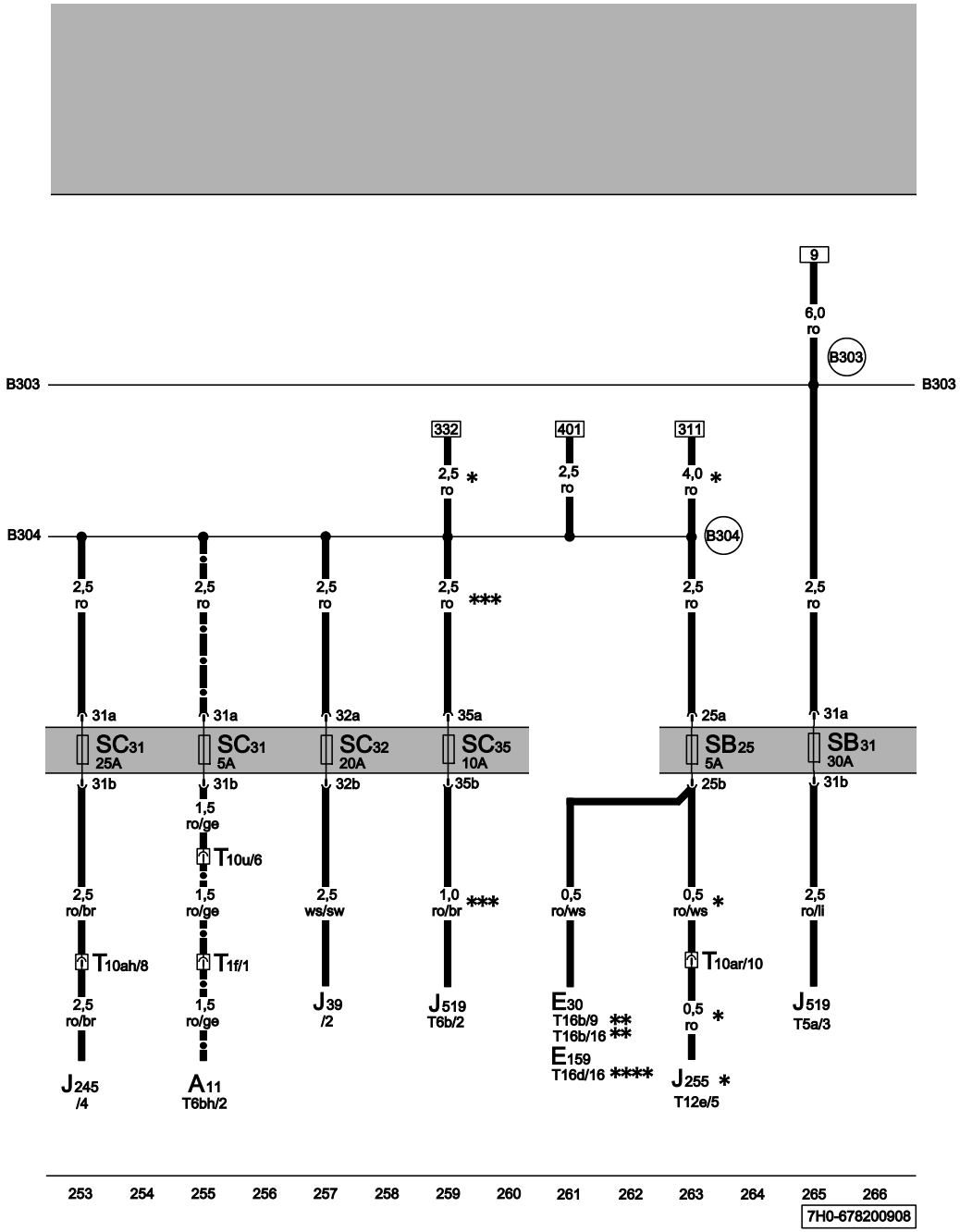
Fuse SC11

H12	Alarm horn
J393	Convenience system central control unit
J558	Left sliding door control unit
J605	Rear lid control unit
J731	Right sliding door control unit
SC11	Fuse 11 on fuse holder C
T8w	8-pin connector, black, coupling station left D-pillar
T8x	8-pin connector, black, coupling station left D-pillar
T8y	8-pin connector, black, coupling station on right of D-pillar
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T10q	10-pin connector, grey, coupling station under driver seat
T10r	10-pin connector, white, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12c	12-pin connector
T23	23-pin connector
A194	Connection (convenience system), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	for models with power latching system, without electric sliding door only
**	for models with anti-theft alarm system only
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Fuses S57, S106, S181, S303, SC7 and SC26

E534	Switch for roof ventilator to ventilate load area
E535	Switch for roof ventilator to extract air from load area
G24	Tachograph
J180	Switch-over relay 1 for roof ventilator
J181	Switch-over relay 2 for roof ventilator
S57	Alarm system fuse
S106	Rotating light fuse
S181	Taxi alarm system 2 fuse
S303	Special vehicle fuse 13
SC7	Fuse 7 on fuse holder C
SC26	Fuse 26 on fuse holder C
T8o	8-pin connector, white
T10az	10-pin connector, white, coupling station under front passenger seat
U18	12 V socket 2
U20	12 V socket 4
B299	Positive connection 3 (30), in main wiring harness
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B320	Positive connection 6 (30a), in main wiring harness
*	for multivan only, not for multivan Startline
**	for caravelle, multivan, multivan Startline and camper Beach only
***	for models with roof ventilator only
****	for models with rotating light only/ Red Cross light
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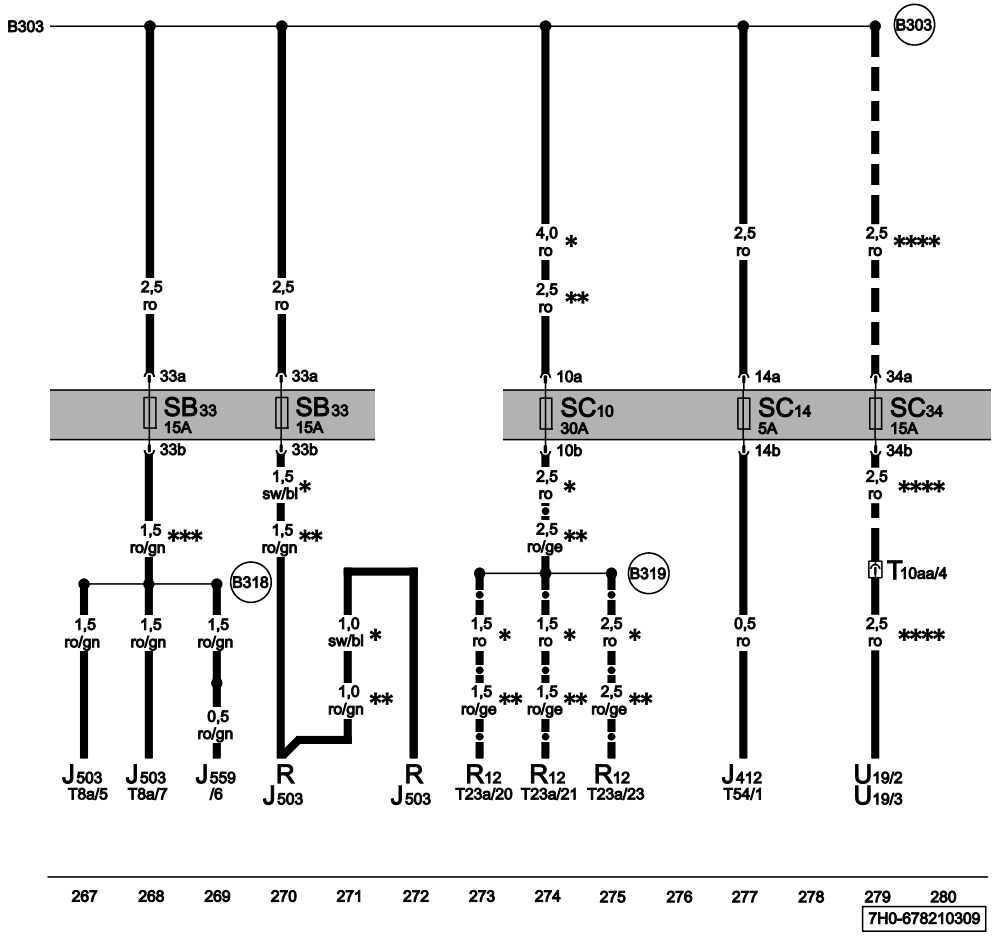


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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SB25, SB31, SC31, SC32 and SC35

A11	Onboard supply charger unit
E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
J39	Headlight washer system relay
J245	Sliding sunroof adjustment control unit
J255	Climatronic control unit
J519	Onboard supply control unit
SB25	Fuse 25 on fuse holder B
SB31	Fuse 31 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC32	Fuse 32 on fuse holder C
SC35	Fuse 35 on fuse holder C
T1f	Single pin connector, black, in lower cupboard
T5a	5-pin connector, brown
T6b	6-pin connector, red
T6bh	6-pin connector
T10u	10-pin connector, blue, coupling station under driver seat
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T10ar	10-pin connector, green, behind the glove compartment
T12e	12-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
B303	Positive connection 7 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with automatic gearbox only
****	for models without air conditioning system only
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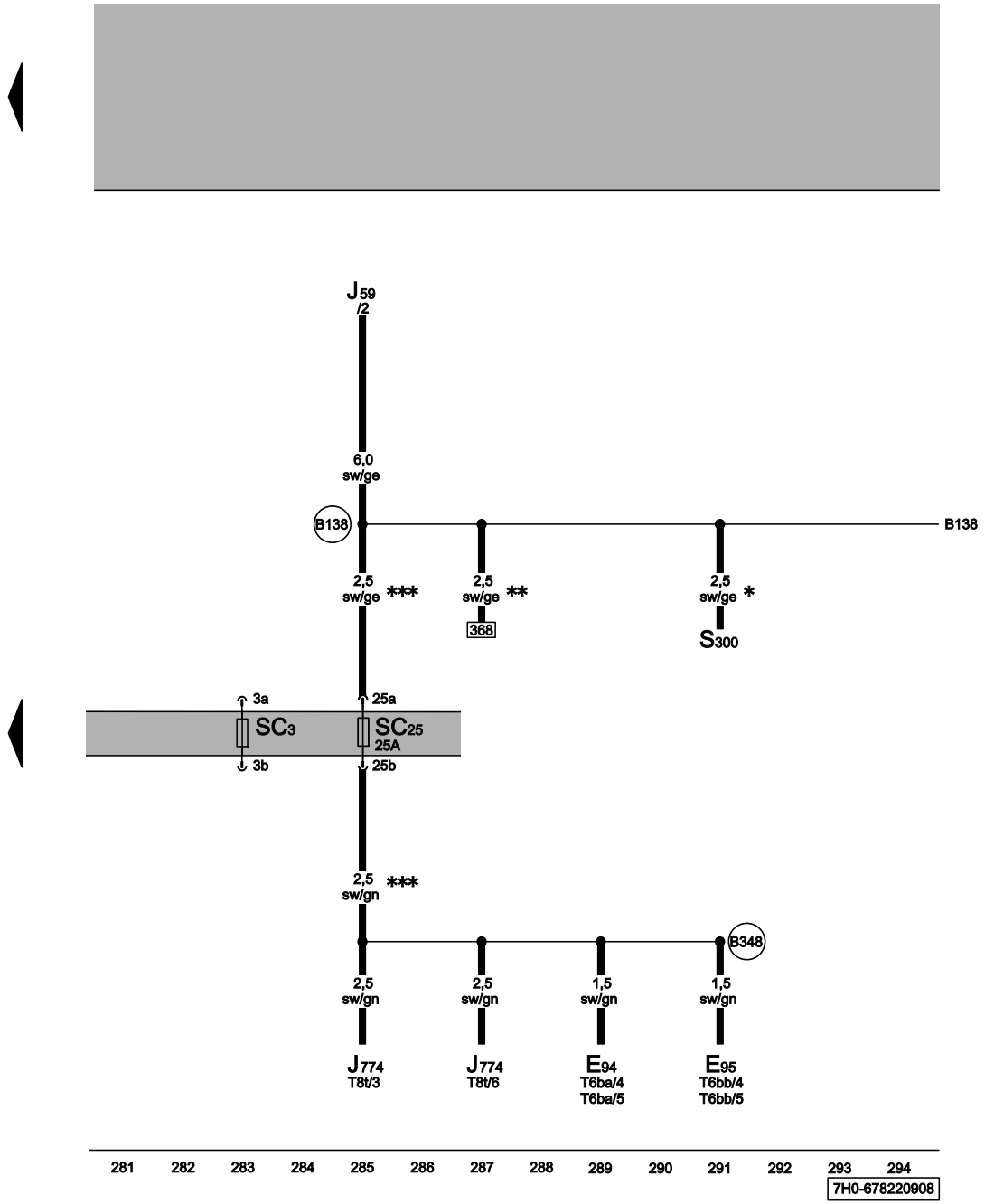
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Fuses SB33, SC10, SC14 and SC34

J412	Mobile telephone operating electronics control unit
J503	Control unit with display for radio and navigation system
J559	Traffic information control unit
R	Radio
R12	Amplifier
SB33	Fuse 33 on fuse holder B
SC10	Fuse 10 on fuse holder C
SC14	Fuse 14 on fuse holder C
SC34	Fuse 34 on fuse holder C
T8a	8-pin connector, black
T10aa	10-pin connector, dark brown, coupling station under driver seat
T23a	23-pin connector, red
T54	54-pin connector, black
U19	12 V socket 3
B303	Positive connection 7 (30), in main wiring harness
B318	Positive connection 4 (30a), in main wiring harness
B319	Positive connection 5 (30a), in main wiring harness
*	for models with radio system only
**	for models with radio navigation system only
***	for models with radio navigation system and traffic information evaluation only (7Q7)
****	for shuttle and caravelle only
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or	=	orange
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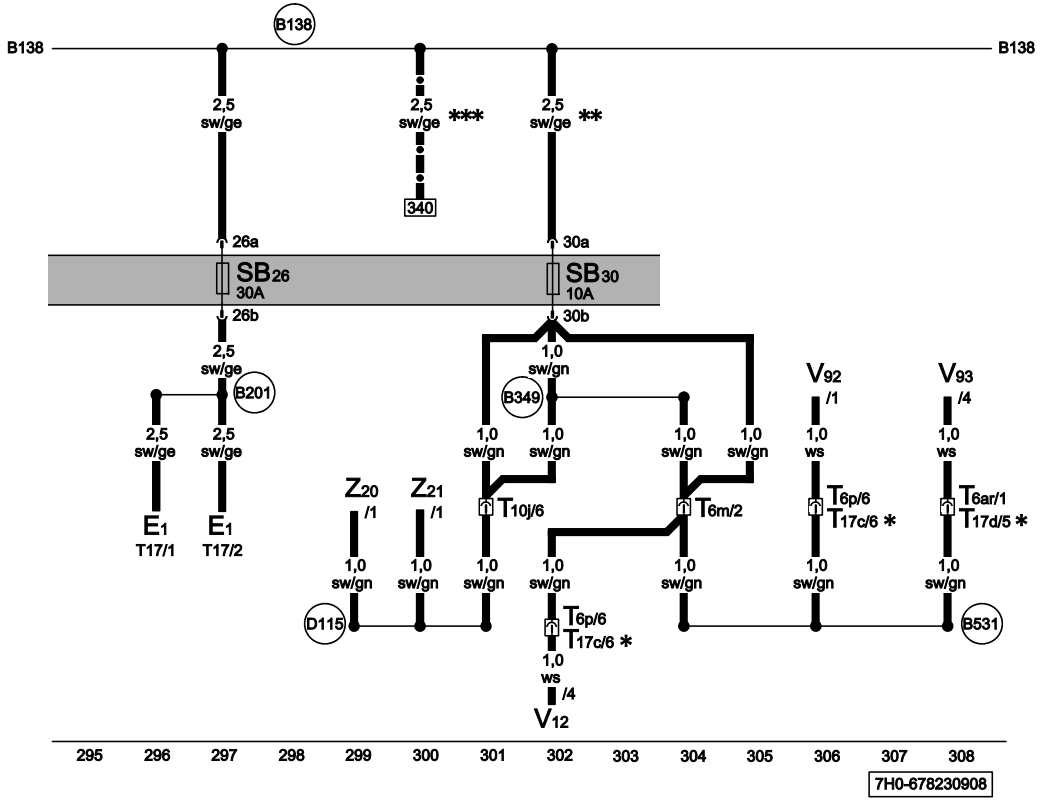
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Fuses S300, SC3 and SC25

E94	Heated driver seat regulator
E95	Heated front passenger seat regulator
J59	X-contact relief relay
J774	Heated front seats control unit
S300	Special vehicle fuse 10
SC3	Fuse 3 on fuse holder C
SC25	Fuse 25 on fuse holder C
T6ba	6-pin connector, green
T6bb	6-pin connector, green
T8t	8-pin connector
B138	Positive connection (X), in interior wiring harness
B348	Connection 1 (75A), in main wiring harness
*	for models with electric interface only
**	for models with auxiliary coolant heater only
***	for models with seat heating only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
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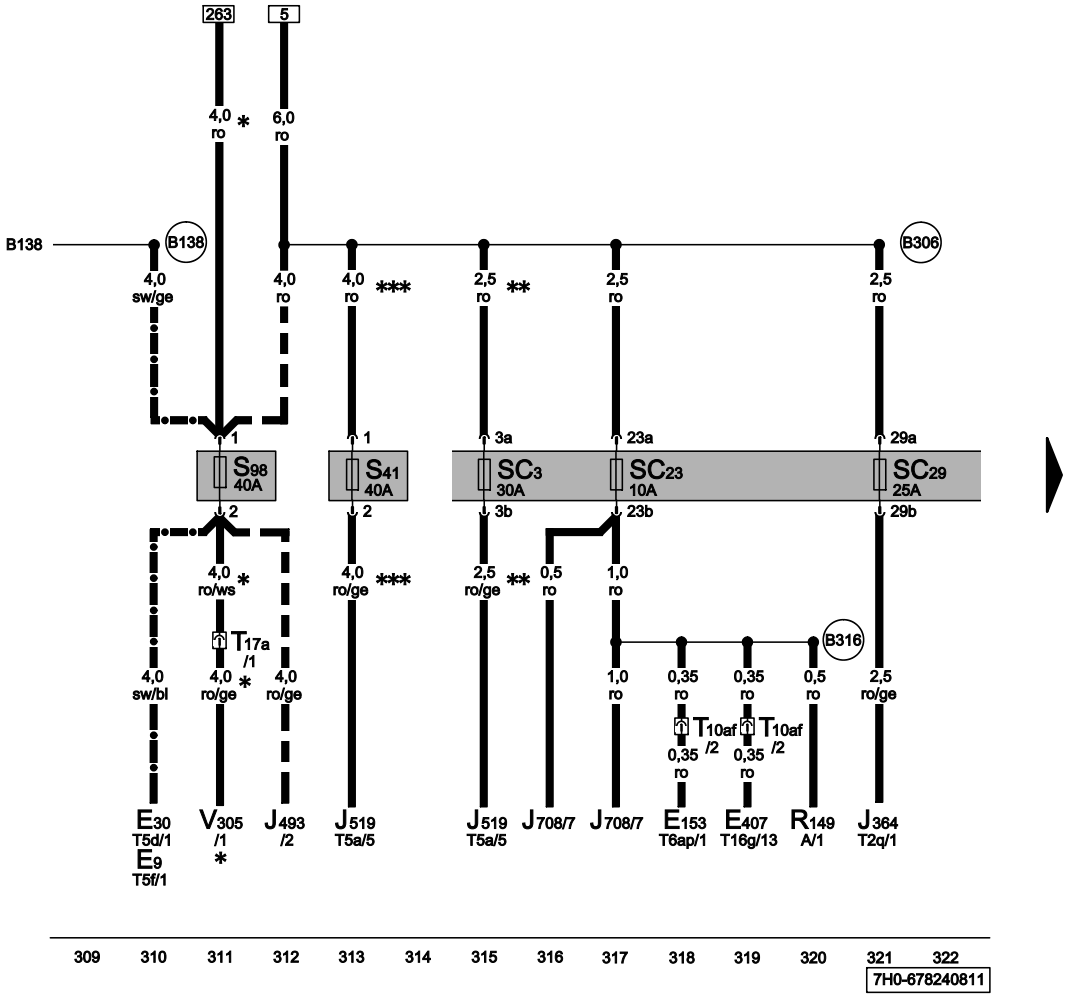


ws = white

Fuses SB26 and SB30

E1	Light switch
SB26	Fuse 26 on fuse holder B
SB30	Fuse 30 on fuse holder B
T6m	6-pin connector, red, coupling station on left of A-pillar
T6p	6-pin connector, brown, coupling station on left of D-pillar
T6ar	6-pin connector, red, coupling station on right of D-pillar
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T17d	17-pin connector, black, coupling station on right of D-pillar
V12	Rear window wiper motor
V92	Rear left wing door window wiper motor
V93	Rear right wing door window wiper motor
Z20	Left washer jet heater element
Z21	Right washer jet heater element
B138	Positive connection (X), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B349	Connection 2 (75A), in main wiring harness
B531	Positive connection (75), in roof wiring harness
D115	Connection 13, in engine compartment wiring harness
*	applicable from November 2006
**	depends on equipment
***	for models without air conditioning system only
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nal-	AXE, BLJ, BNZ and BPC only
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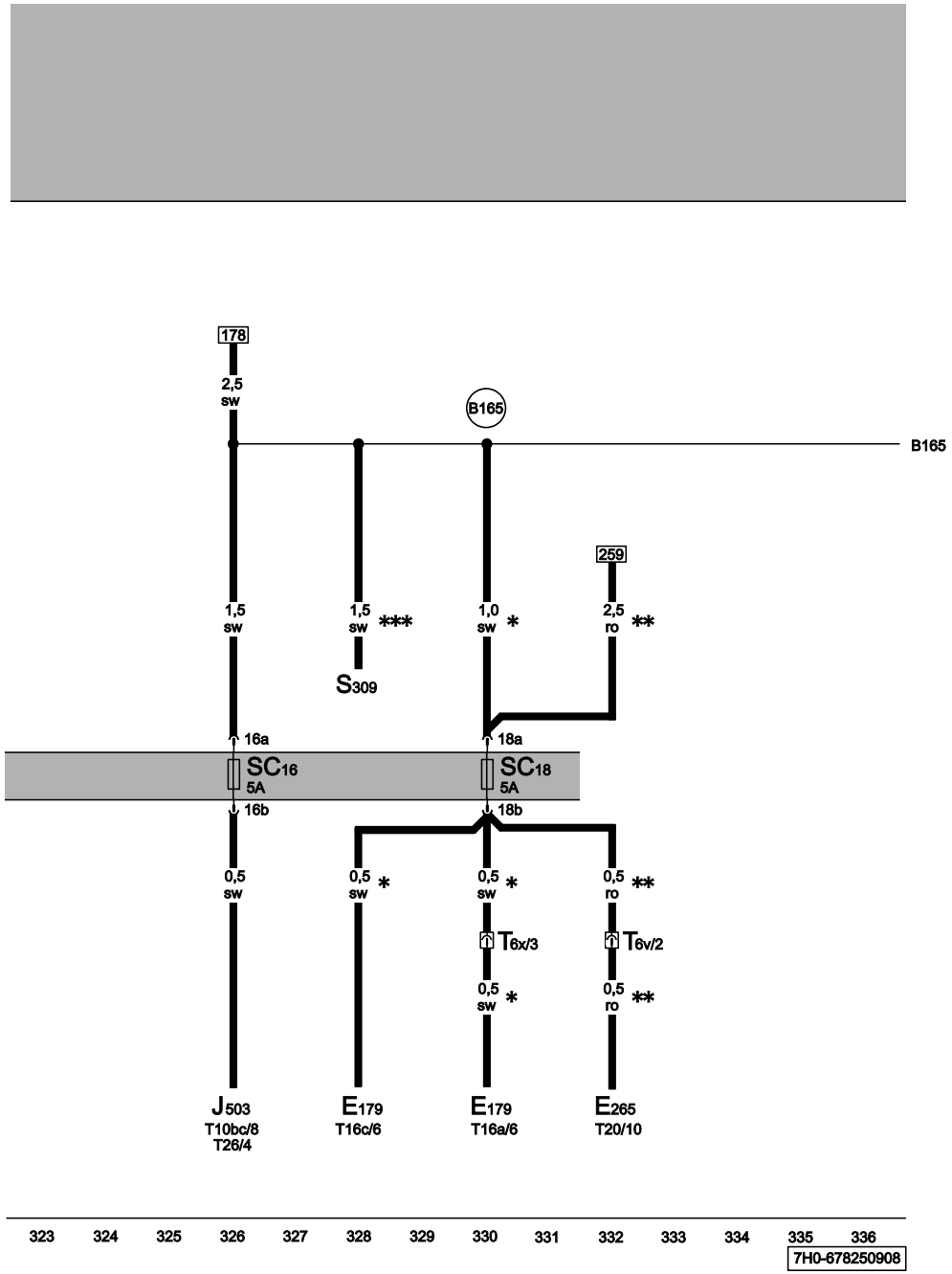
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Fuses S41, S98, SC3, SC23 and SC29

E9	Fresh air blower switch
E30	Air conditioning system switch
E153	Operating and display unit for camping equipment
E407	Auxiliary heater operating and display unit
J364	Auxiliary heater control unit
J493	Auxiliary coolant heater relay
J519	Onboard supply control unit
J708	Residual heat relay
R149	Remote control receiver for auxiliary coolant heater
S41	Heated rear window fuse
S98	Fresh air blower fuse 2
SC3	Fuse 3 on fuse holder C
SC23	Fuse 23 on fuse holder C
SC29	Fuse 29 on fuse holder C
T2q	2-pin connector, black, on underbody, next to the auxiliary heater
T5a	5-pin connector, brown
T5d	5-pin connector
T5f	5-pin connector
T6ap	6-pin connector
T10af	10-pin connector, blue, coupling station on left of A-pillar
T16g	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
V305	Front blower Bitron regulation motor
B138	Positive connection (X), in interior wiring harness
B306	Positive connection 10 (30), in main wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	for models with Climatronic only
**	applicable from November 2008
***	applicable up to October 2008
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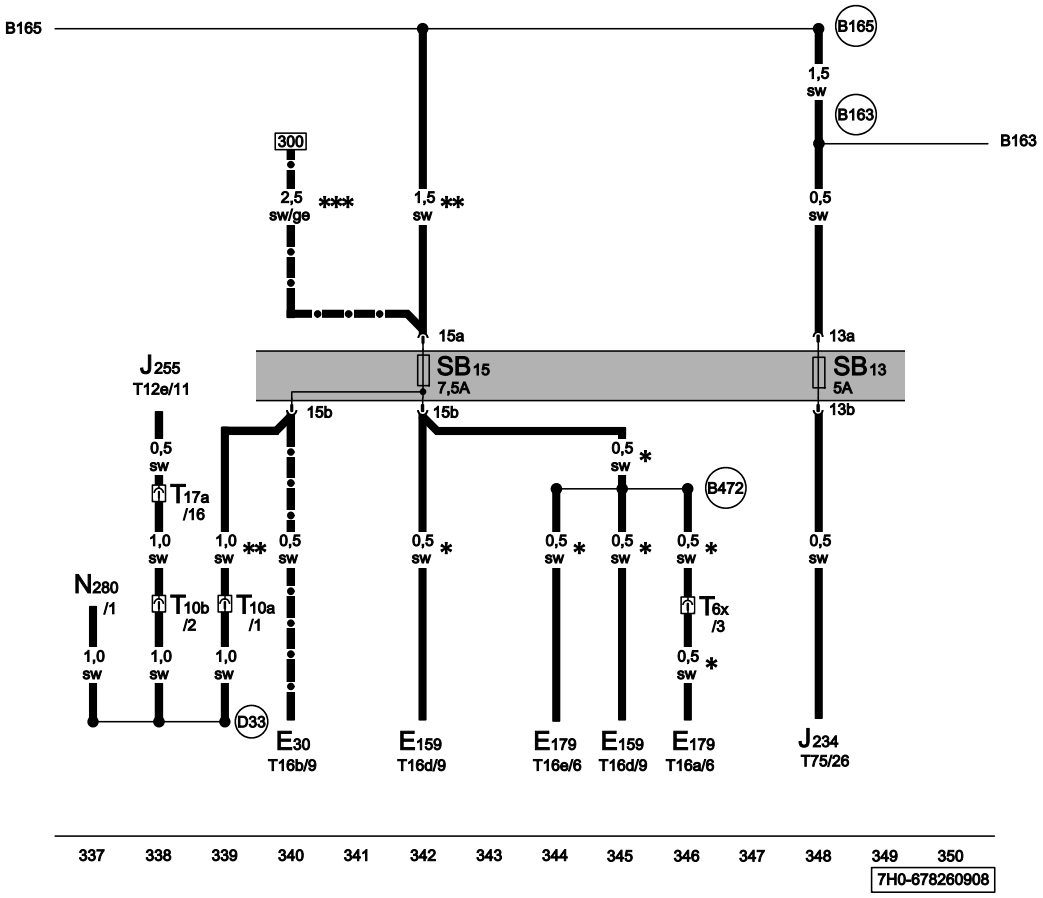
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ge	=	yellow
or	=	orange
rs	=	pink



Fuses S309, SC16 and SC18

E179	Rear fresh air blower switch
E265	Operating and display unit for rear air conditioning system
J503	Control unit with display for radio and navigation system
S309	Special vehicle fuse 19
SC16	Fuse 16 on fuse holder C
SC18	Fuse 18 on fuse holder C
T6v	6-pin connector, red, coupling station under front passenger seat
T6x	6-pin connector, purple, coupling station under front passenger seat
T10bc	10-pin connector, red
T16a	16-pin connector, black
T16c	16-pin connector, black
T20	20-pin connector
T26	26-pin connector
B165	Positive connection 2 (15), in interior wiring harness
*	for models with air conditioning system only
**	for models with Climatronic only
***	for models with optimal equipment police (UF7) only

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rs	=	pink

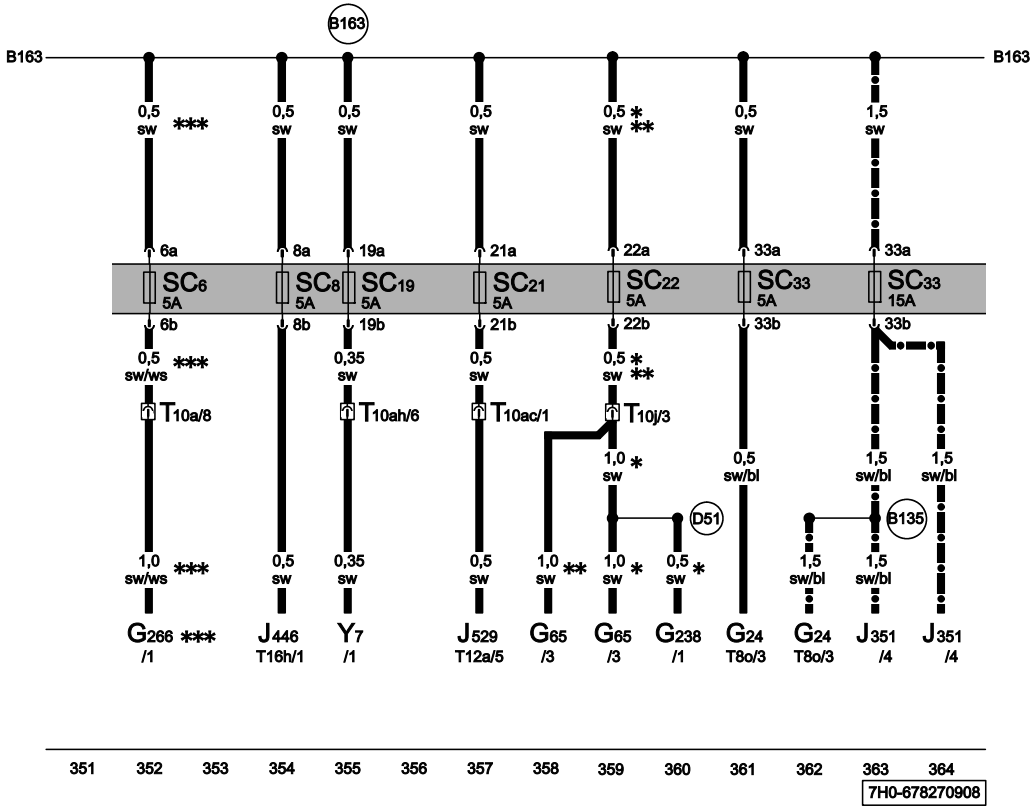


Fuses SB13 and SB15

E30	Air conditioning system switch
E159	Fresh air/air recirculation flap switch
E179	Rear fresh air blower switch
J234	Airbag control unit
J255	Climatronic control unit
N280	Air conditioning system compressor regulating valve
SB13	Fuse 13 on fuse holder B
SB15	Fuse 15 on fuse holder B
T6x	6-pin connector, purple, coupling station under front passenger seat
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T12e	12-pin connector, black
T16a	16-pin connector, black
T16b	16-pin connector, black
T16d	16-pin connector, black
T16e	16-pin connector, black
T17a	17-pin connector, black, behind the glove compartment
T75	75-pin connector
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B472	Connection 8 in main wiring harness
D33	Positive connection 2 (15), in engine wiring harness
*	models with heater, depends on equipment only
**	for models with Climatronic and engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models without air conditioning system only
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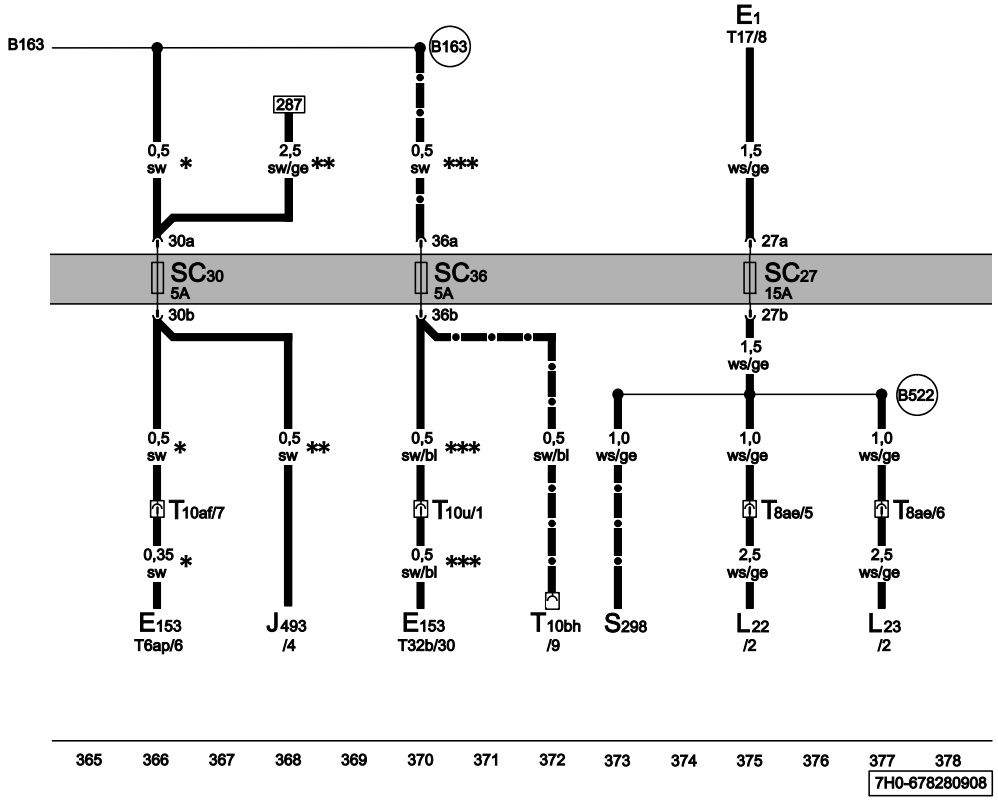


ws = white

Fuses SC6, SC8, SC19, SC21, SC22 and SC33

G24	Tachograph
G65	High pressure sender
G238	Air quality sensor
G266	Oil level and oil temperature sender
J351	Folding exterior mirror control unit
J446	Parking aid control unit
J529	Anti-theft and tilt system control unit
SC6	Fuse 6 on fuse holder C
SC8	Fuse 8 on fuse holder C
SC19	Fuse 19 on fuse holder C
SC21	Fuse 21 on fuse holder C
SC22	Fuse 22 on fuse holder C
SC33	Fuse 33 on fuse holder C
T8o	8-pin connector, white
T10a	10-pin connector, brown, coupling station on electronics box, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12a	12-pin connector
T16h	16-pin connector, brown
Y7	Automatic anti-dazzle interior mirror
B135	Connection 1 (15a), in interior wiring harness
B163	Positive connection 1 (15), in interior wiring harness
D51	Positive connection 1 (15), in engine compartment wiring harness
*	for models with Climatronic only
**	for models with air conditioning system only
***	for models with extended servicing intervals only
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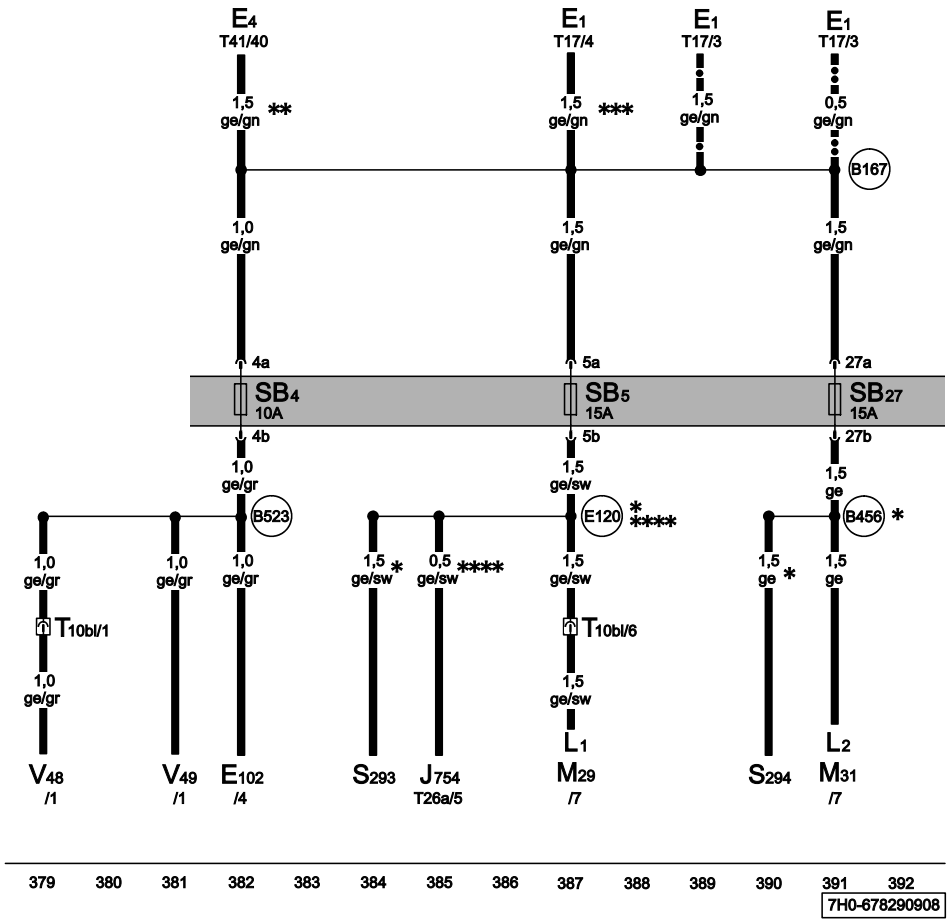
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or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses S298, SC27, SC30 and SC36

E1	Light switch
E153	Operating and display unit for camping equipment
J493	Auxiliary coolant heater relay
L22	Left fog light bulb
L23	Right fog light bulb
S298	Special vehicle fuse 8
SC27	Fuse 27 on fuse holder C
SC30	Fuse 30 on fuse holder C
SC36	Fuse 36 on fuse holder C
T6ap	6-pin connector
T8ae	8-pin connector, black, near headlight, front right
T10u	10-pin connector, blue, coupling station under driver seat
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10bh	10-pin connector, purple, coupling station under driver seat
T17	17-pin connector
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B522	Connection (FL), in main wiring harness
*	for Camper with auxiliary air heater only
**	for models with auxiliary coolant heater only
***	for camper only
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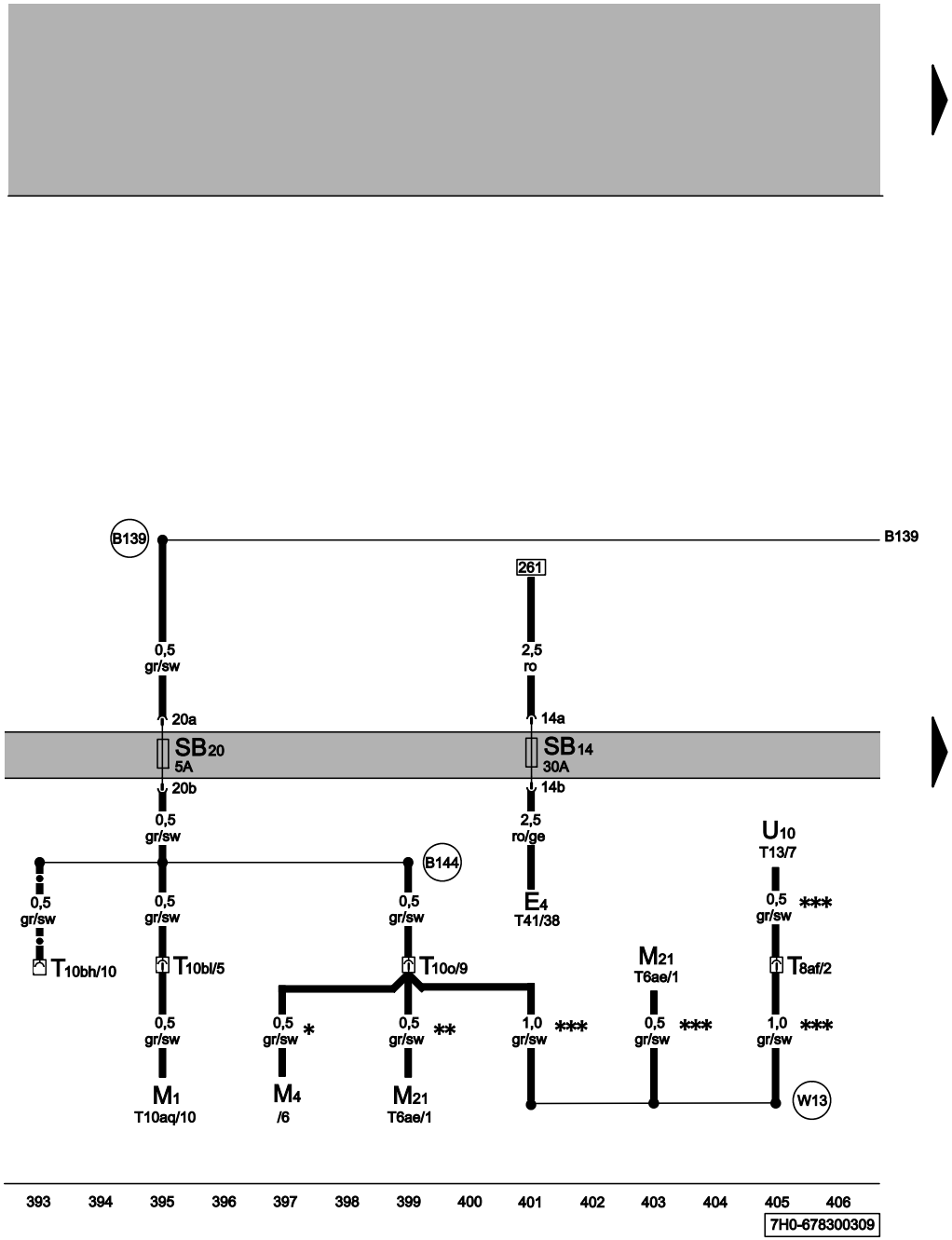


ws = white

Fuses S293, S294, SB4, SB5 and SB27

E1	Light switch
E4	Headlight dipper/flasher switch
E102	Headlight range control regulator
J754	Accident data memory
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M29	Left dipped beam bulb
M31	Right dipped beam bulb
S293	Special vehicle fuse 3
S294	Special vehicle fuse 4
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB27	Fuse 27 on fuse holder B
T10bl	10-pin connector, black, near front right headlight
T17	17-pin connector
T26a	26-pin connector, black, under front passenger seat
T41	41-pin connector
V48	Left headlight range control motor
V49	Right headlight range control motor
B167	Connection (56b), in interior wiring harness
B456	Connection (56b), in main wiring harness
B523	Connection (56, HRC), in main wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with electric interface only
**	applies only to multivan classic, shuttle, camper with base level of equipment and commercial vehicles
***	for multivan, business, caravelle and camper Comfortline only
****	for models with accident data memory only
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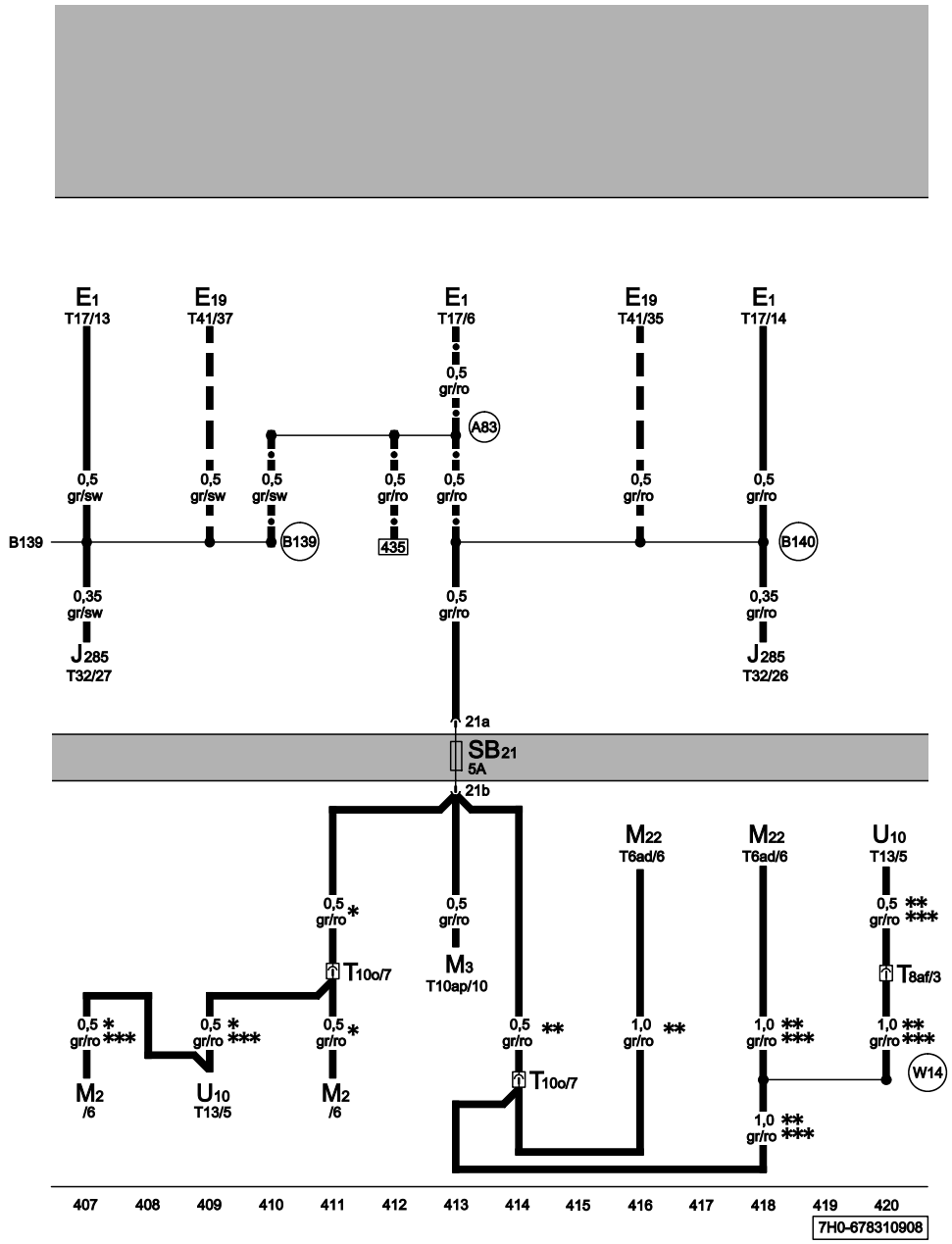
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nal- headlights only
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ws = white
sw = black
ro = red
br = brown
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li = purple
ge = yellow
or = orange
rs = pink

Fuses SB14 and SB20

E4	Headlight dipper/flasher switch
M1	Left side light bulb
M4	Left tail light bulb
M21	Left brake and tail light bulb
SB14	Fuse 14 on fuse holder B
SB20	Fuse 20 on fuse holder B
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10aq	10-pin connector, black, on left of headlight
T10bh	10-pin connector, purple, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T13	13-pin connector
T41	41-pin connector
U10	Trailer socket
B139	Connection (LPL), in interior wiring harness
B144	Positive connection (58L), in interior wiring harness
W13	Connection (58L), in rear wiring harness
*	for models with double cab/ plank bed only
**	for models without trailer operation only
***	for models with trailer operation only
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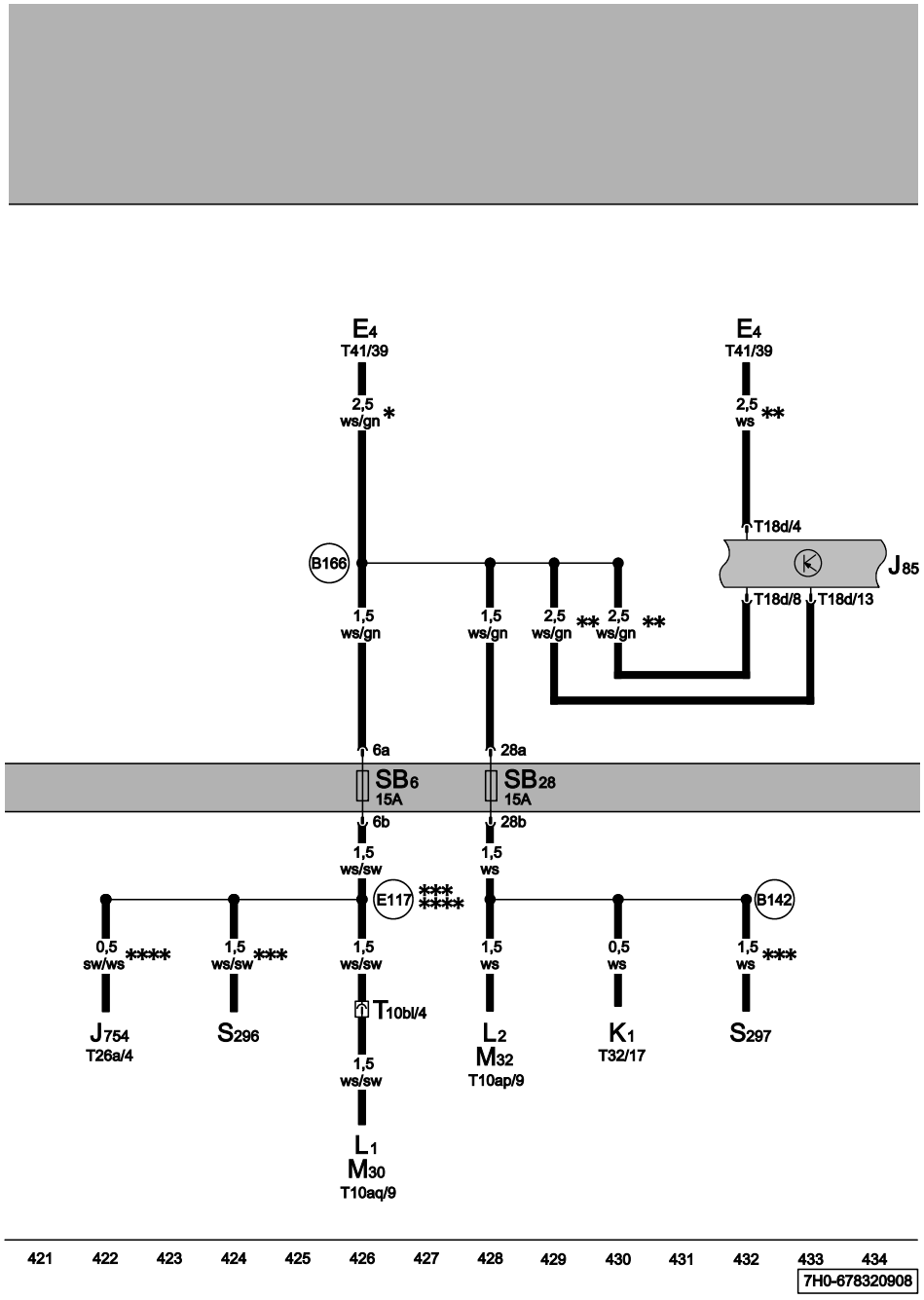
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li = purple
ge = yellow
or = orange
rs = pink

Fuse SB21

E1	Light switch
E19	Parking light switch
J285	Control unit in dash panel insert
M2	Right tail light bulb
M3	Right side light bulb
M22	Right brake and tail light bulb
SB21	Fuse 21 on fuse holder B
T6ad	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T10ap	10-pin connector, black, on right of headlight
T13	13-pin connector
T17	17-pin connector
T32	32-pin connector, blue
T41	41-pin connector
U10	Trailer socket
A83	Connection (day driving light), in dash panel wiring harness
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
W14	Connection (58R), in rear wiring harness
*	for models with double cab/ plank bed only
**	for multivan, box-type delivery van and hybrid vehicle only
***	for models with trailer operation only
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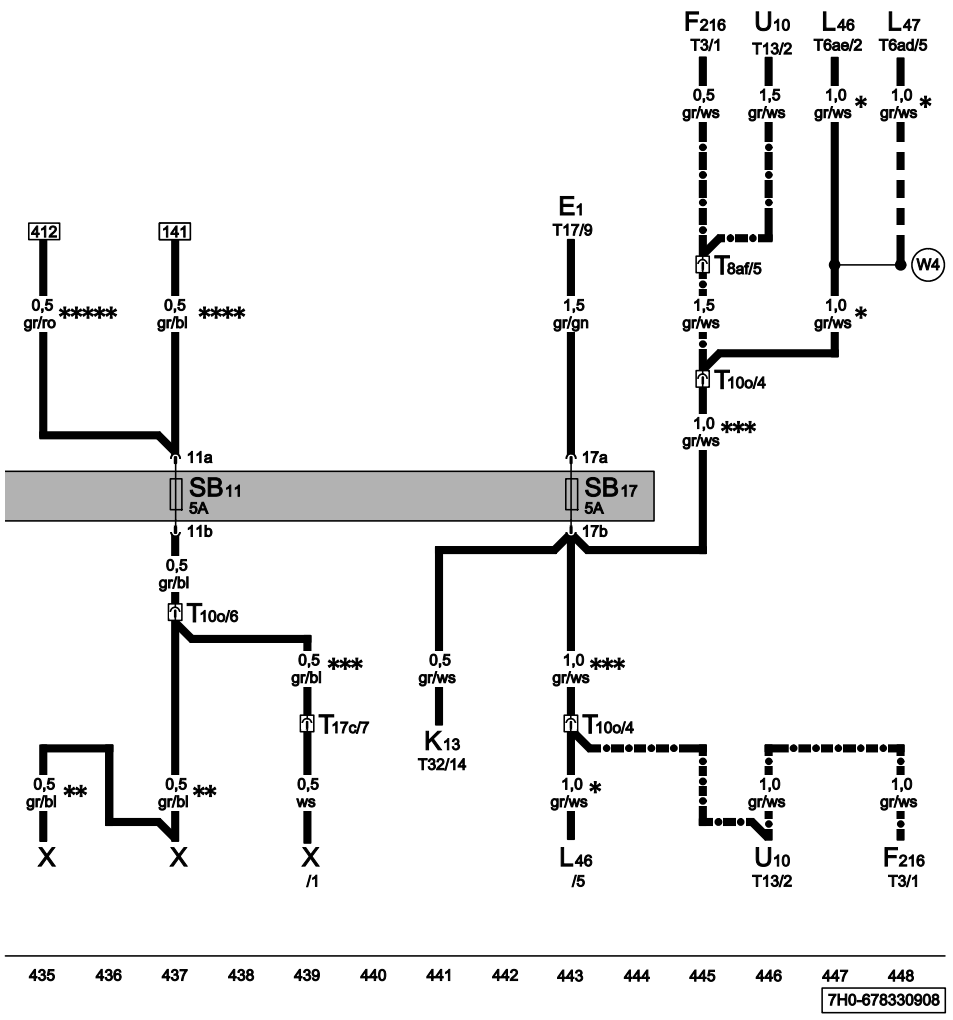
for models with day driving light only



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or = orange
rs = pink

Fuses S296, S297, SB6 and SB28

E4	Headlight dipper/flasher switch
J85	Alarm system control unit
J754	Accident data memory
K1	Main beam warning lamp
L1	Left headlight twin filament bulb
L2	Right headlight twin filament bulb
M30	Left main beam bulb
M32	Right main beam bulb
S296	Special vehicle fuse 6
S297	Special vehicle fuse 7
SB6	Fuse 6 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10ap	10-pin connector, black, on right of headlight
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T18d	18-pin connector, blue
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
T41	41-pin connector
B142	Positive connection 2 (56a), in interior wiring harness
B166	Connection (56a), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
*	for models without taxi equipment only
**	for models with taxi equipment only
***	for models with electric interface only
****	for models with accident data memory only



ws = white

Fuses SB11 and SB17

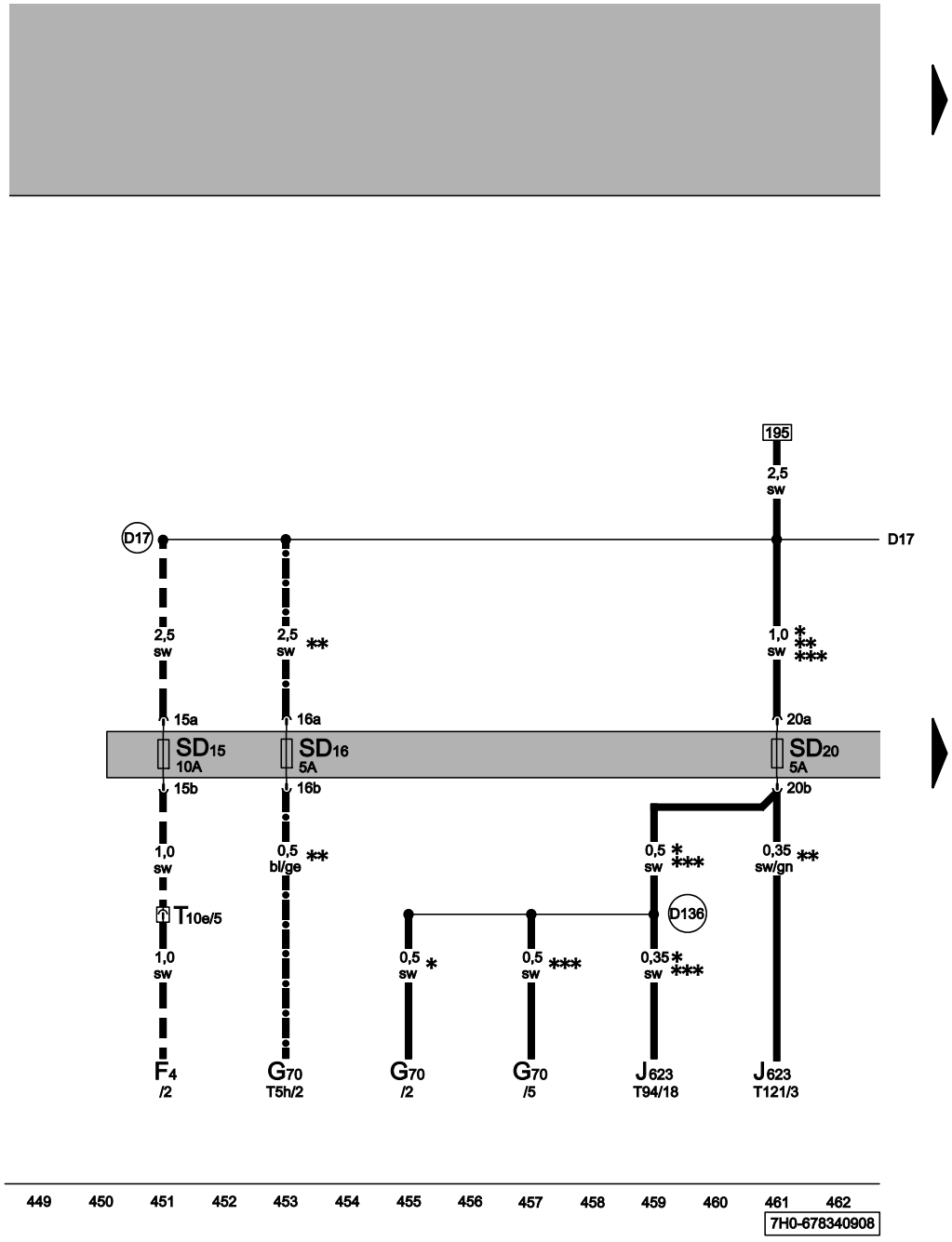
E1	Light switch
F216	Rear fog light cut-out contact switch
K13	Rear fog light warning lamp
L46	Rear left fog light bulb
L47	Rear right fog light bulb
SB11	Fuse 11 on fuse holder B
SB17	Fuse 17 on fuse holder B
T3	3-pin connector, trailer socket
T6ad	6-pin connector
T6ae	6-pin connector
T8af	8-pin connector, black, coupling station left D-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T13	13-pin connector
T17	17-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T32	32-pin connector, blue
U10	Trailer socket
X	Number plate light
W4	Connection 1 (rear fog lights), in rear wiring harness
*	for models without trailer operation only
**	for models with double cab/ plank bed only
***	not for double cab and plank bed vehicles
****	for models without day driving light only
*****	for models with day driving light only

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For Multivan only

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for models with trailer operation only

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or	=	orange
rs	=	pink

tools/ png-convert/ out//slp/ ft_icons/ m_k_m.png" content-width="20pt" scaling="uniform"/>



ws = white

Fuses SD15, SD16 and SD20

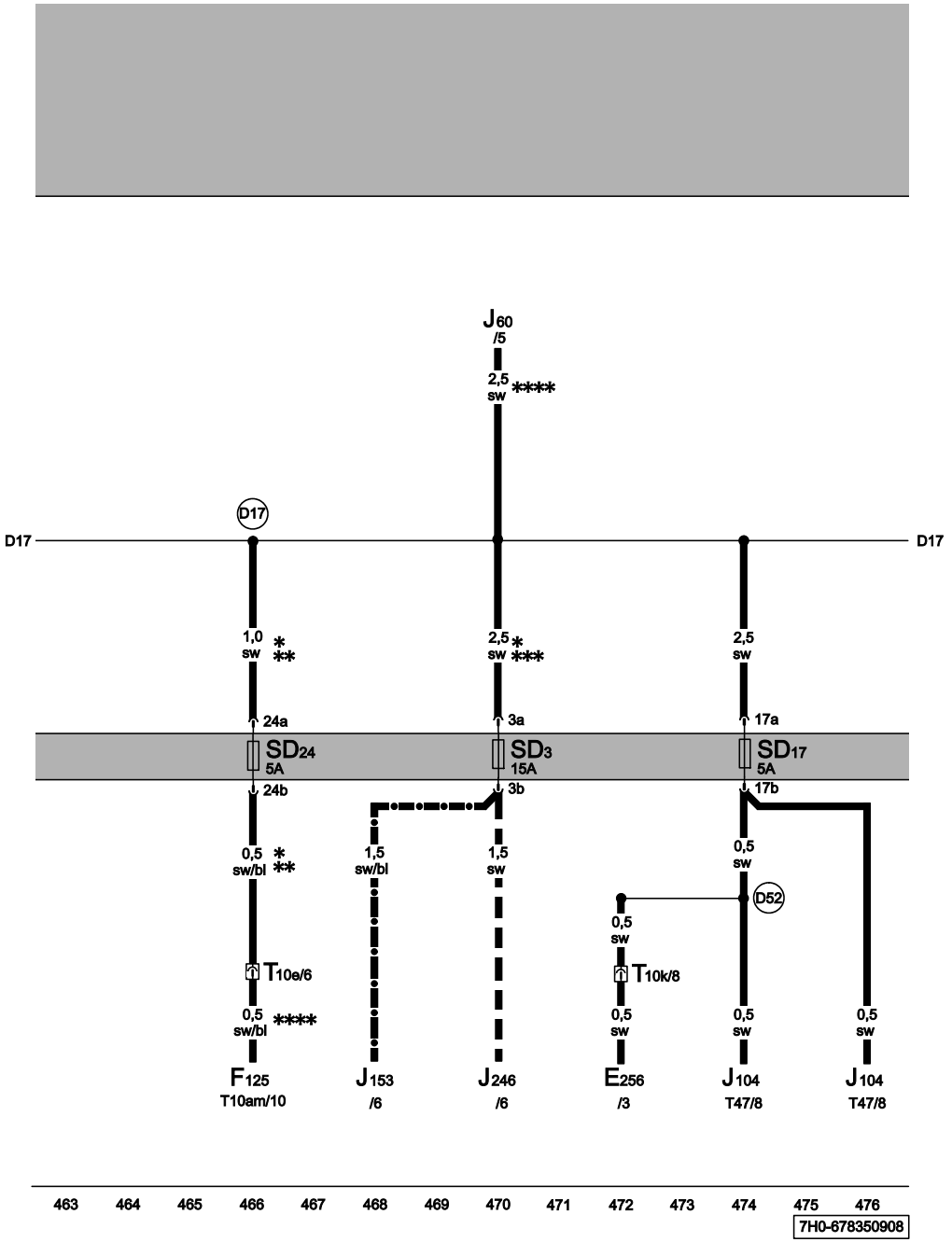
F4	Reversing light switch
G70	Air mass meter
J623	Engine control unit
SD15	Fuse 15 on fuse holder D
SD16	Fuse 16 on fuse holder D
SD20	Fuse 20 on fuse holder D
T5h	5-pin connector, brown
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T94	94-pin connector
T121	121-pin connector
D17	Positive connection 1 (15), in engine harness
D136	Positive connection 2 (15a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BNZ and BPC only

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<fo:exter for models with engine codes BDL, BDM and BKK only
nal-
graphic
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gn	=	green
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or	=	orange
rs	=	pink

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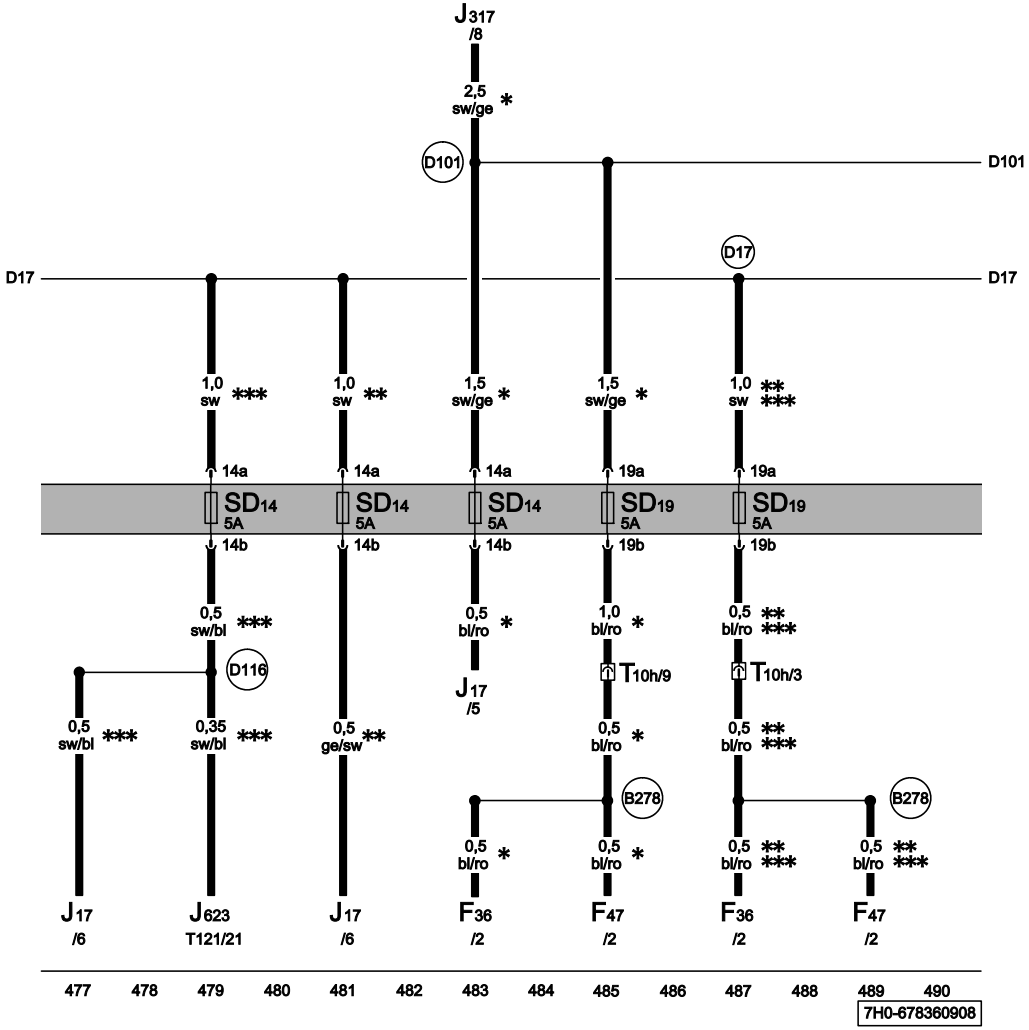
Fuses SD3, SD17 and SD24

E256	TCS and ESP button
F125	Multifunction switch
J60	Automatic gearbox relay
J104	ABS control unit
J153	Magnetic clutch control unit
J246	Cut-out relay for air conditioning system magnetic coupling
SD3	Fuse 3 on fuse holder D
SD17	Fuse 17 on fuse holder D
SD24	Fuse 24 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10k	10-pin connector, purple, coupling station on electronics box, in engine compartment
T10am	10-pin connector, black, on gearbox
T47	47-pin connector
D17	Positive connection 1 (15), in engine harness
D52	Positive connection (15a), in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
***	for models with engine codes AXA, AXB, AXC, BRR and BRS only
****	for models with automatic gearbox only
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or	=	orange
rs	=	pink

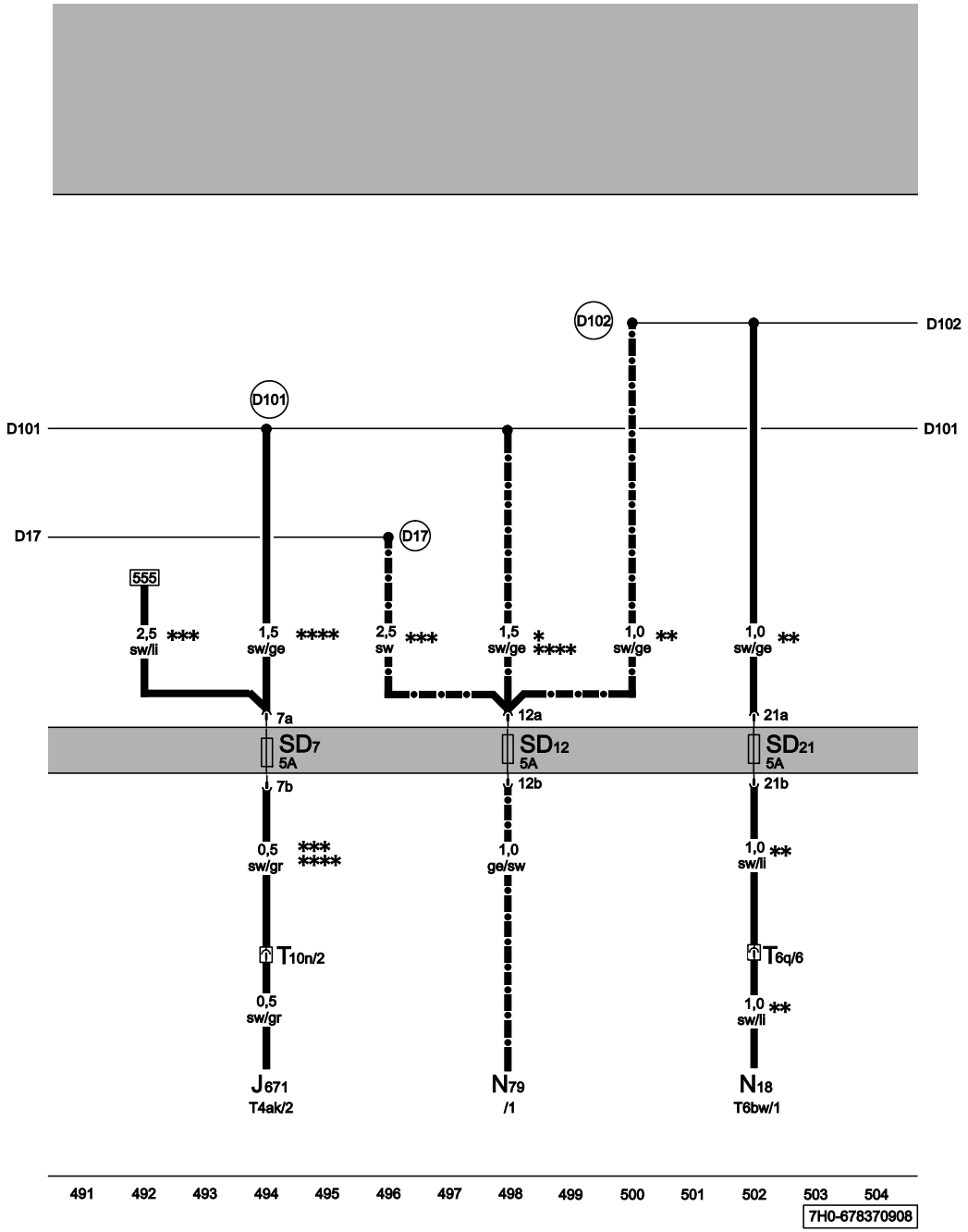
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Fuses SD14 and SD19

F36	Clutch pedal switch
F47	Brake pedal switch
J17	Fuel pump relay
J317	Terminal 30 voltage supply relay
J623	Engine control unit
SD14	Fuse 14 on fuse holder D
SD19	Fuse 19 on fuse holder D
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
T121	121-pin connector
B278	Positive connection 2 (15a), in main wiring harness
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D116	Connection 14, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

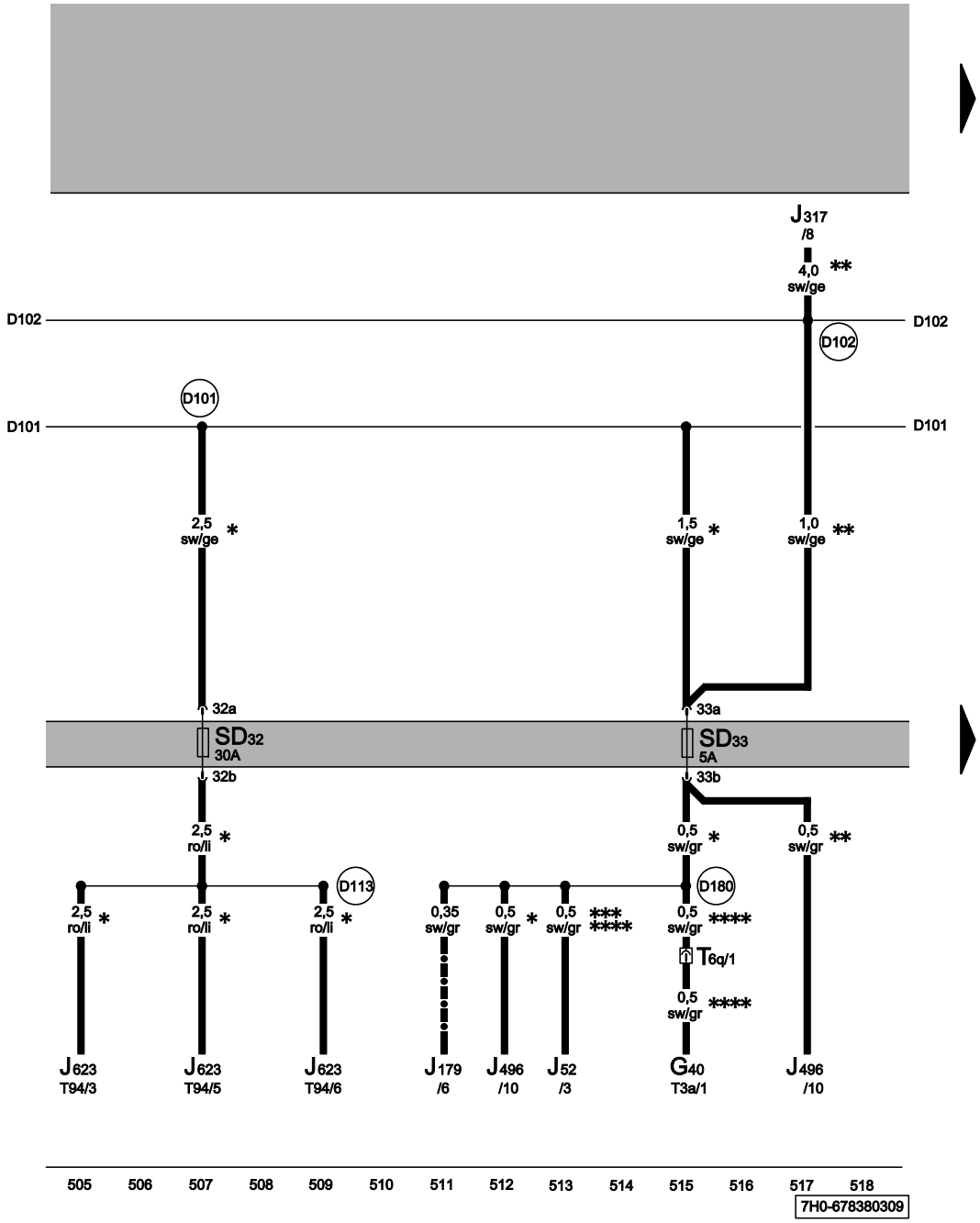
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or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD7, SD12 and SD21

J671	Radiator fan control unit 2
N18	Exhaust gas recirculation valve
N79	Heater element for crankcase breather
SD7	Fuse 7 on fuse holder D
SD12	Fuse 12 on fuse holder D
SD21	Fuse 21 on fuse holder D
T4ak	4-pin connector, black, near radiator fan
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T6bw	6-pin connector, on exhaust gas recirculation potentiometer
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
D17	Positive connection 1 (15), in engine harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only
****	for models with engine codes AXD, AXE, BLJ, BNZ and BPC only
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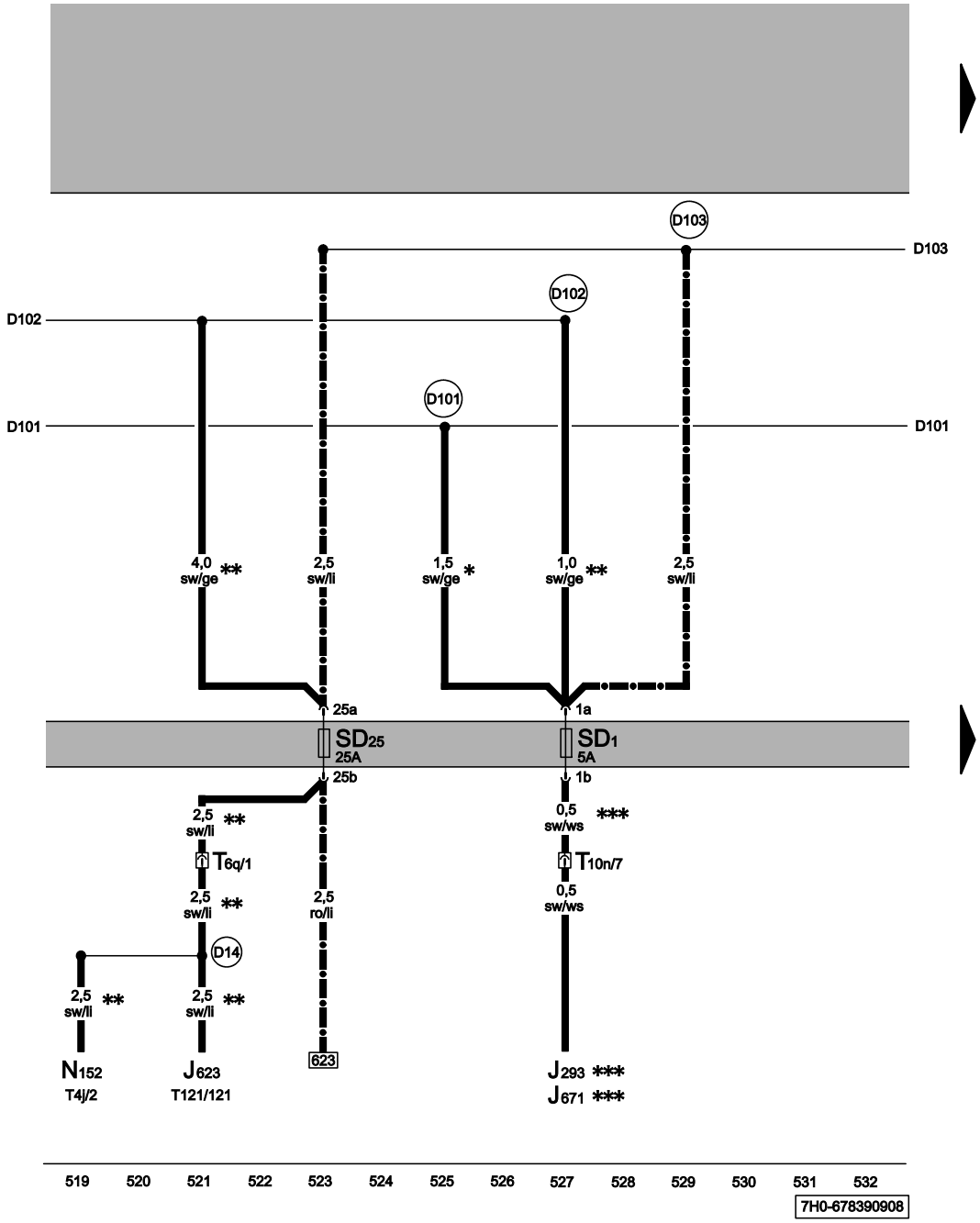


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD32 and SD33

G40	Hall sender
J52	Glow plug relay
J179	Automatic glow period control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SD32	Fuse 32 on fuse holder D
SD33	Fuse 33 on fuse holder D
T3a	3-pin connector, black, on front of engine
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T94	94-pin connector
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
D180	Connection (87a), in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	models with engine codes AXD, AXE and BLJ only
****	for models with engine codes AXB and AXC only

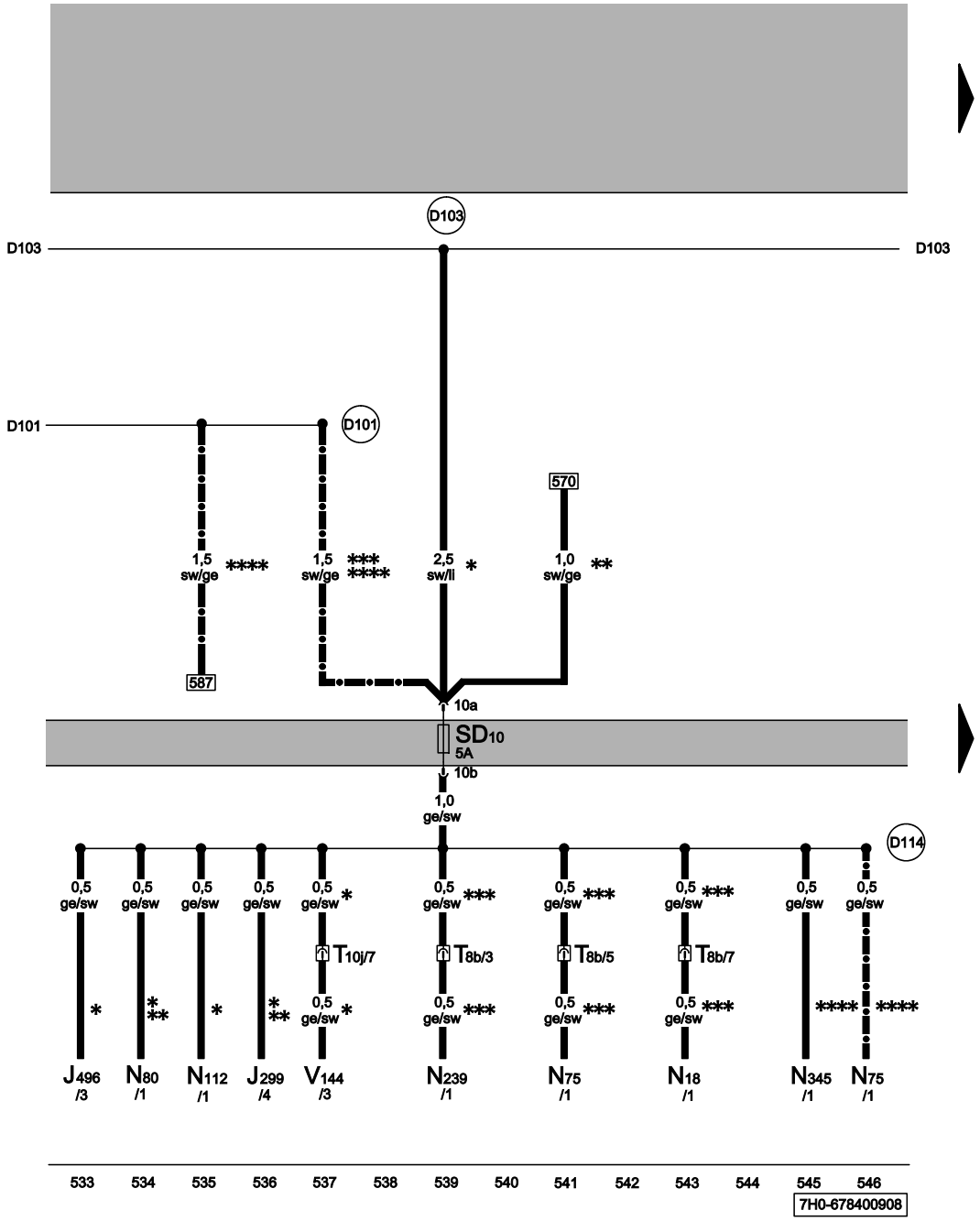
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for models with engine codes BNZ, BPC, BRR and BRS only



ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD1 and SD25

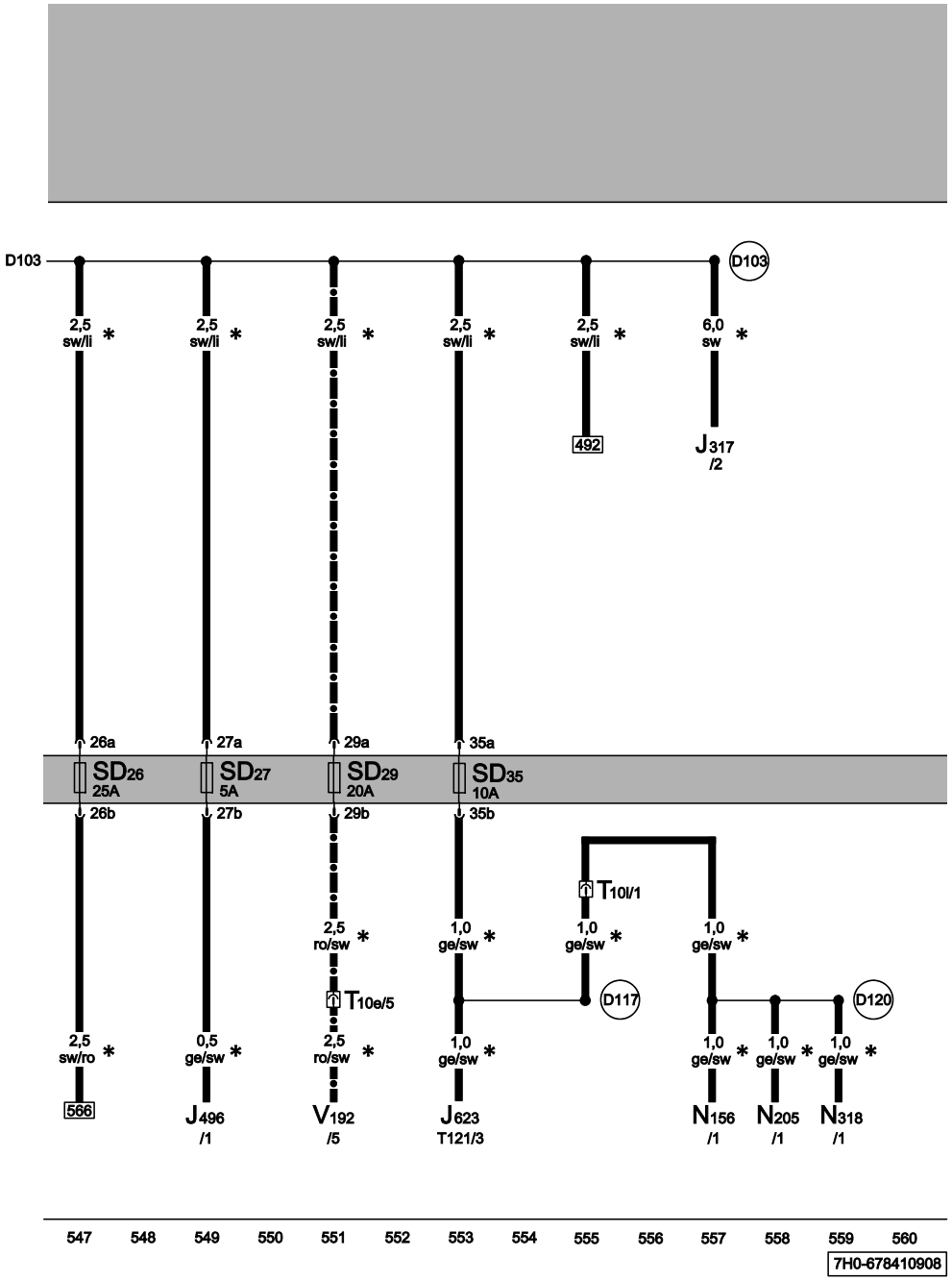
J293	Radiator fan control unit
J623	Engine control unit
J671	Radiator fan control unit 2
N152	Ignition transformer
SD1	Fuse 1 on fuse holder D
SD25	Fuse 25 on fuse holder D
T4j	4-pin connector, black
T6q	6-pin connector, brown, coupling station on electronics box, in engine compartment
T10n	10-pin connector, black, coupling station on electronics box, in engine compartment
T121	121-pin connector
D14	Connection (ignition coil - control unit), in front right wiring harness
D101	Connection 1, in engine compartment wiring harness
D102	Connection 2, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	⇒ radiator fan Current Flow Diagram
<fo:exter	for models with engine codes BDL, BDM and BKK only
nal- graphic src="/../ PDOC/ samba/ tools/ png- convert/ out//slp/ ft_icons/ m_k_m.p ng" content- width="2 0pt" scaling=" uniform"/ >	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse SD10

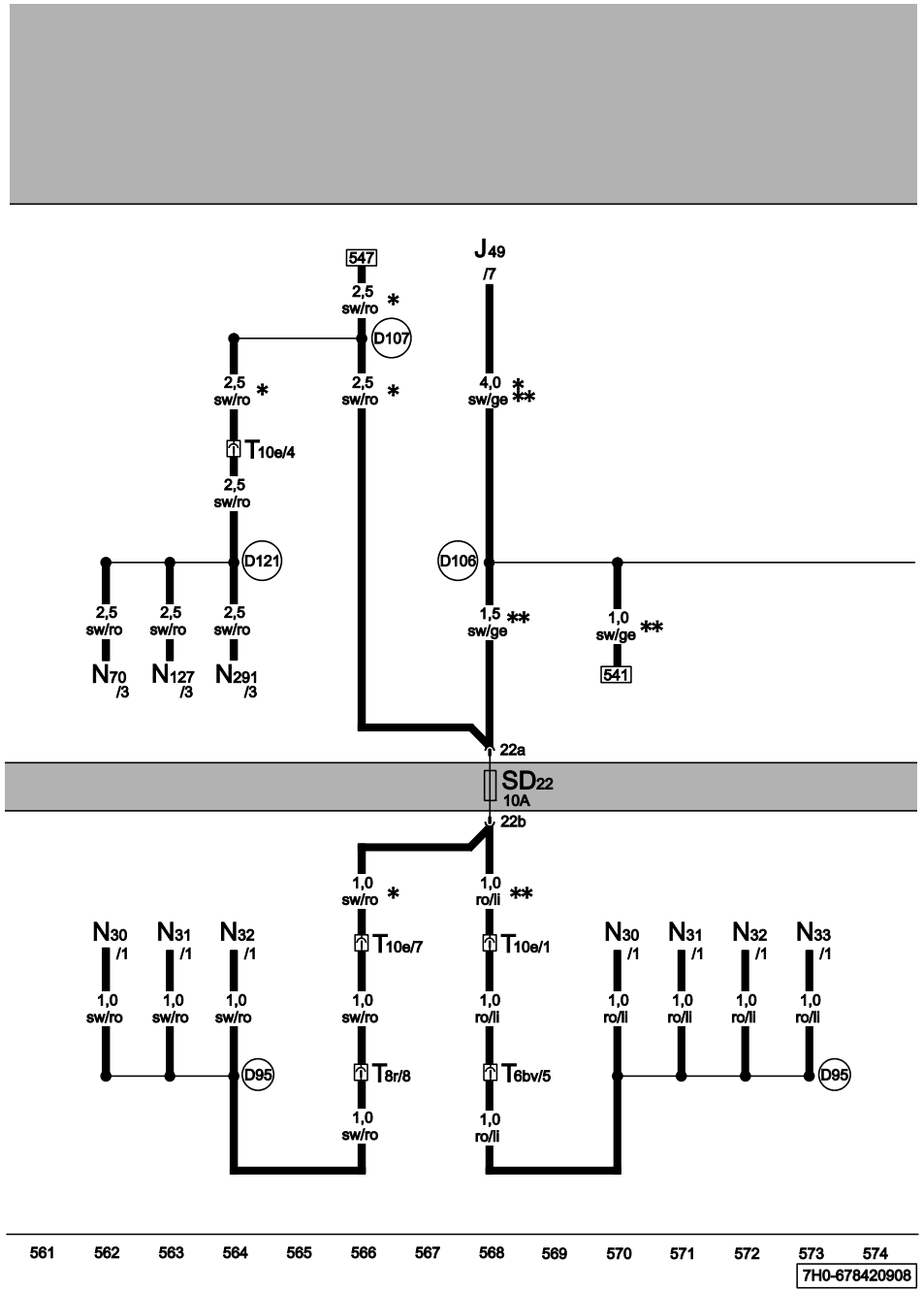
J299	Secondary air pump relay
J496	Additional coolant pump relay
N18	Exhaust gas recirculation valve
N75	Charge pressure control solenoid valve
N80	Activated charcoal filter system solenoid valve 1
N112	Secondary air inlet valve
N239	Variable intake manifold flap change-over valve
N345	Exhaust gas recirculation cooler change-over valve
SD10	Fuse 10 on fuse holder D
T8b	8-pin connector, black, in engine compartment
T10j	10-pin connector, dark brown, coupling station on electronics box, in engine compartment
V144	Fuel system diagnostic pump
D101	Connection 1, in engine compartment wiring harness
D103	Connection 3, in engine compartment wiring harness
D114	Connection 12, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes AXB, AXC, AXD, AXE and BLJ only
****	for models with engine codes BNZ and BPC only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with engine codes BRR and BRS only



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sw = black
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gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD26, SD27, SD29 and SD35

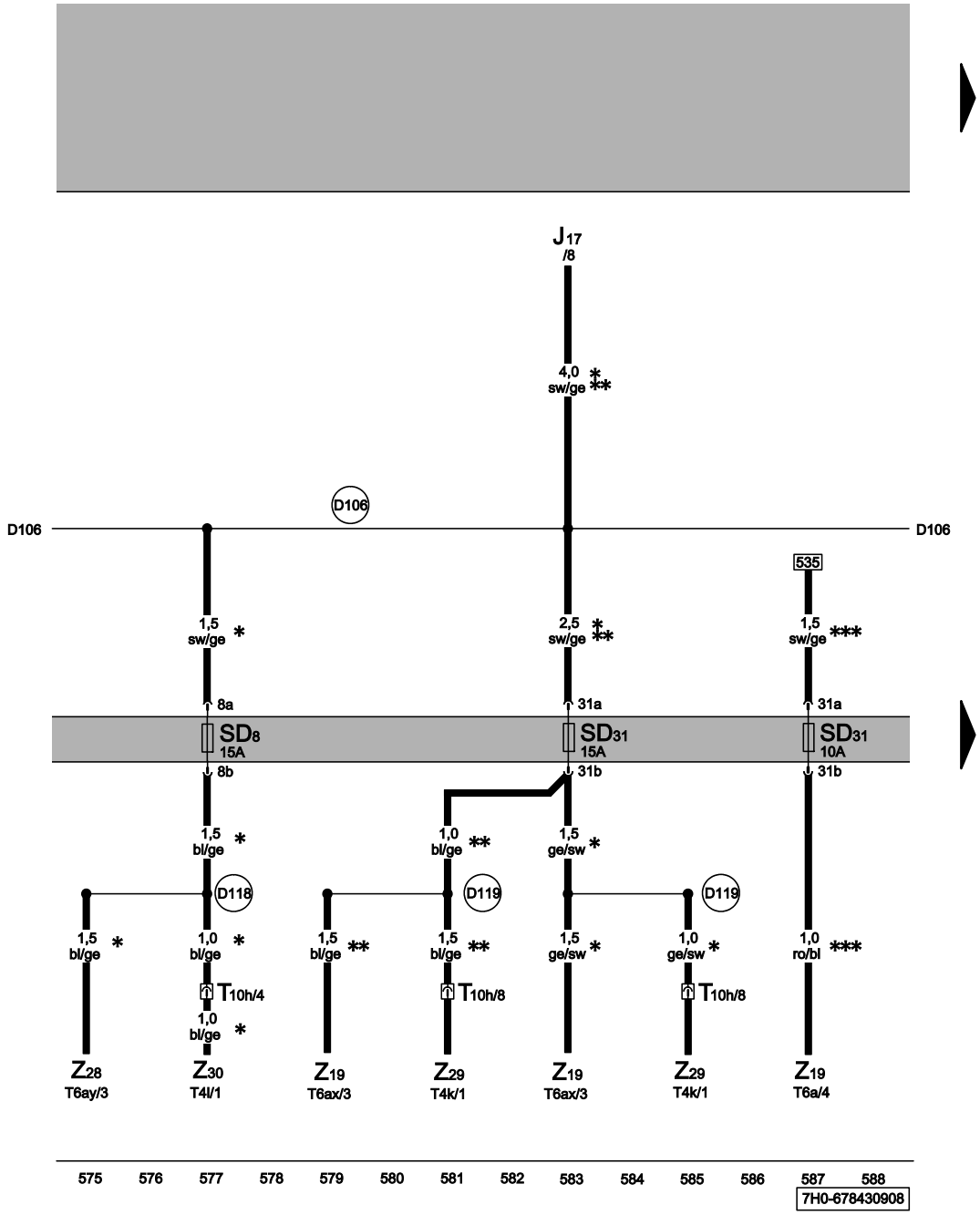
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
N156	Variable intake manifold change-over valve
N205	Inlet camshaft control valve 1
N318	Exhaust camshaft control valve 1
SD26	Fuse 26 on fuse holder D
SD27	Fuse 27 on fuse holder D
SD29	Fuse 29 on fuse holder D
SD35	Fuse 35 on fuse holder D
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T121	121-pin connector
V192	Vacuum pump for brakes
D103	Connection 3, in engine compartment wiring harness
D117	Connection 15, in engine compartment wiring harness
D120	Connection 18, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with automatic gearbox only



Fuse SD22

J49	Electric fuel pump 2 relay
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N70	Ignition coil 1 with output stage
N127	Ignition coil 2 with output stage
N291	Ignition coil 3 with output stage
SD22	Fuse 22 on fuse holder D
T6bv	6-pin connector, black, near cylinder head
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D95	Connection (injectors), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
D107	Connection 5, in engine compartment wiring harness
D121	Connection 19, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only

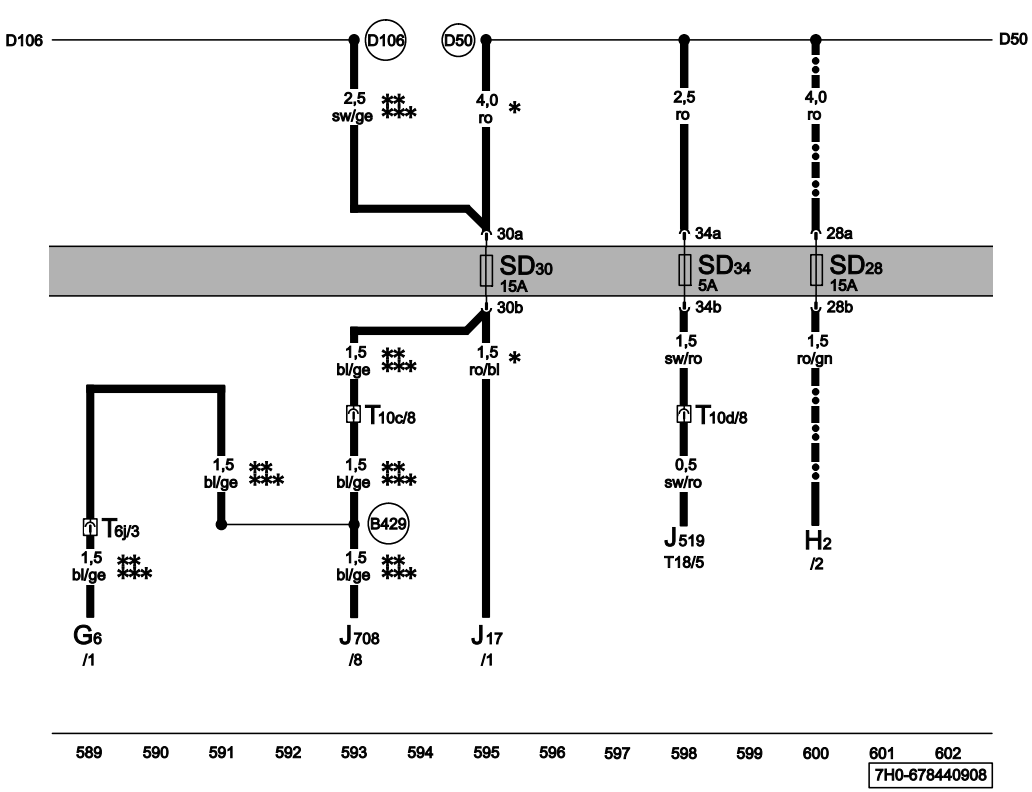
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Fuses SD8 and SD31

J17	Fuel pump relay
SD8	Fuse 8 on fuse holder D
SD31	Fuse 31 on fuse holder D
T4k	4-pin connector, black
T4l	4-pin connector, brown, on underbody, next to the auxiliary heater
T6a	6-pin connector, black, centre in engine compartment
T6ax	6-pin connector, black, in right engine compartment
T6ay	6-pin connector, brown, on left in engine compartment
T10h	10-pin connector, orange, coupling station on electronics box, in engine compartment
Z19	Lambda probe heater
Z28	Lambda probe 2 heater
Z29	Lambda probe 1 heater after catalytic converter
Z30	Lambda probe 2 heater after catalytic converter
D106	Connection 4, in engine compartment wiring harness
D118	Connection 16, in engine compartment wiring harness
D119	Connection 17, in engine compartment wiring harness
*	for models with engine codes BDL, BDM and BKK only
**	for models with engine code AXA only
***	for models with engine codes BNZ, BPC, BRR and BRS only

ws	=	white
sw	=	black
ro	=	red
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rs	=	pink

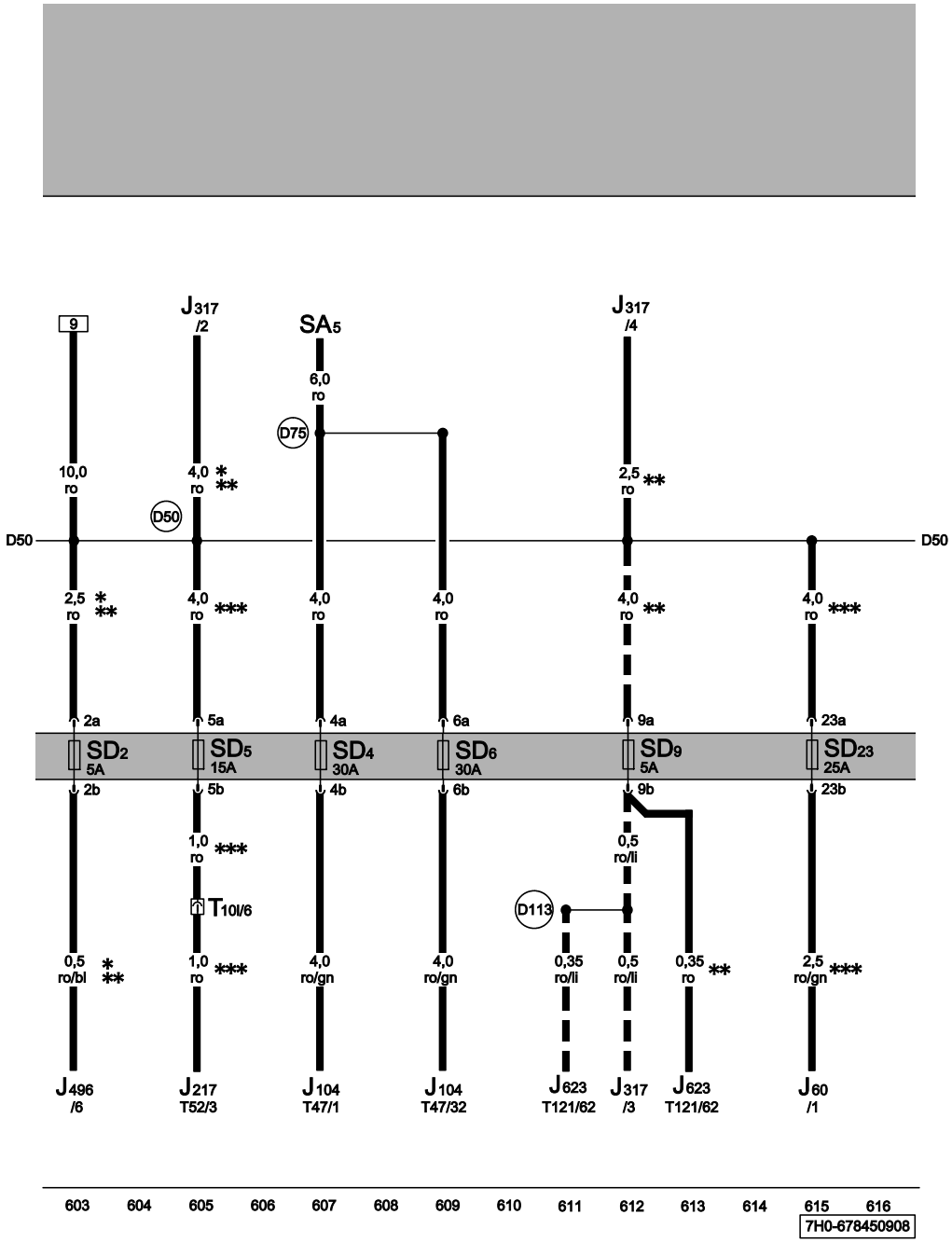


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD28, SD30 and SD34

G6	Fuel system pressurisation pump
H2	Treble tone horn
J17	Fuel pump relay
J519	Onboard supply control unit
J708	Residual heat relay
SD28	Fuse 28 on fuse holder D
SD30	Fuse 30 on fuse holder D
SD34	Fuse 34 on fuse holder D
T6j	6-pin connector, red, coupling station under driver seat
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10d	10-pin connector, blue, coupling station on electronics box, in engine compartment
T18	18-pin connector, black
B429	Connection (EFPR), in main wiring harness
D50	Positive connection (30), in engine compartment wiring harness
D106	Connection 4, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with engine codes BDL, BDM and BKK only

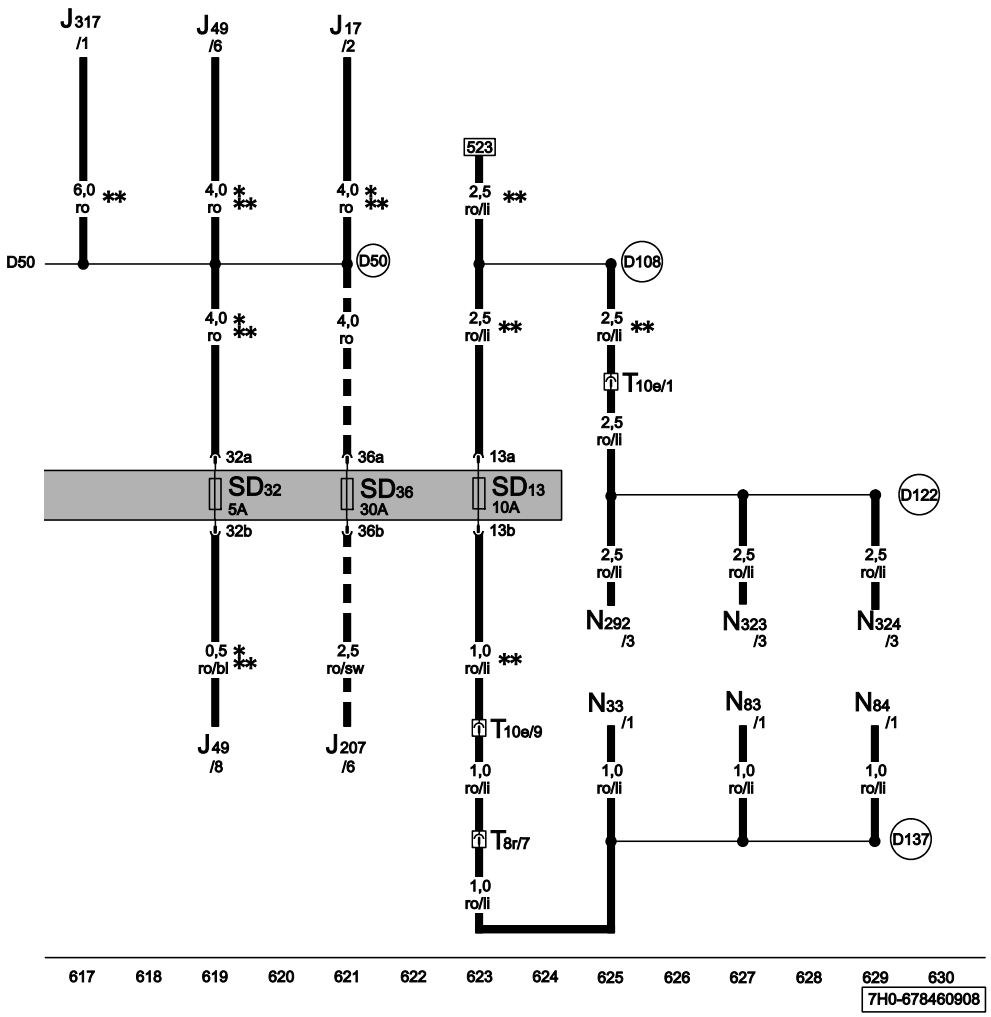
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for models with taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SA5, SD2, SD4, SD5, SD6, SD9 and SD23

J60	Automatic gearbox relay
J104	ABS control unit
J217	Automatic gearbox control unit
J317	Terminal 30 voltage supply relay
J496	Additional coolant pump relay
J623	Engine control unit
SA5	Fuse 5 on fuse holder A
SD2	Fuse 2 on fuse holder D
SD4	Fuse 4 on fuse holder D
SD5	Fuse 5 on fuse holder D
SD6	Fuse 6 on fuse holder D
SD9	Fuse 9 on fuse holder D
SD23	Fuse 23 on fuse holder D
T10l	10-pin connector, light-green, coupling station on electronics box, in engine compartment
T47	47-pin connector
T52	52-pin connector
T121	121-pin connector
D50	Positive connection (30), in engine compartment wiring harness
D75	Positive connection 2 (30), in engine compartment wiring harness
D113	Connection 11, in engine compartment wiring harness
*	for models with engine codes AXB, AXC, AXD, AXE, BLJ, BNZ, BPC, BRR and BRS only
**	for models with engine code AXA only
***	for models with automatic gearbox only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m_m.png" content-width="20pt" scaling="uniform"/>	for models with engine codes BDL, BDM and BKK only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses SD13, SD32 and SD36

J17	Fuel pump relay
J49	Electric fuel pump 2 relay
J207	Starter inhibitor relay
J317	Terminal 30 voltage supply relay
N33	Injector, cylinder 4
N83	Injector, cylinder 5
N84	Injector, cylinder 6
N292	Ignition coil 4 with output stage
N323	Ignition coil 5 with output stage
N324	Ignition coil 6 with output stage
SD13	Fuse 13 on fuse holder D
SD32	Fuse 32 on fuse holder D
SD36	Fuse 36 on fuse holder D
T8r	8-pin connector, black, in engine compartment
T10e	10-pin connector, white, coupling station on electronics box, in engine compartment
D50	Positive connection (30), in engine compartment wiring harness
D108	Connection 6, in engine compartment wiring harness
D122	Connection 20, in engine compartment wiring harness
D137	Connection 2 (injectors), in engine compartment wiring harness
*	for models with engine code AXA only
**	for models with engine codes BDL, BDM and BKK only
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_m.png" content-width="20pt" scaling="uniform"/>	models with automatic gearbox / electric interface only ⇒ applicable Current Flow Diagram

Turn signal, roof

from June 2008

Notes:

For information concerning

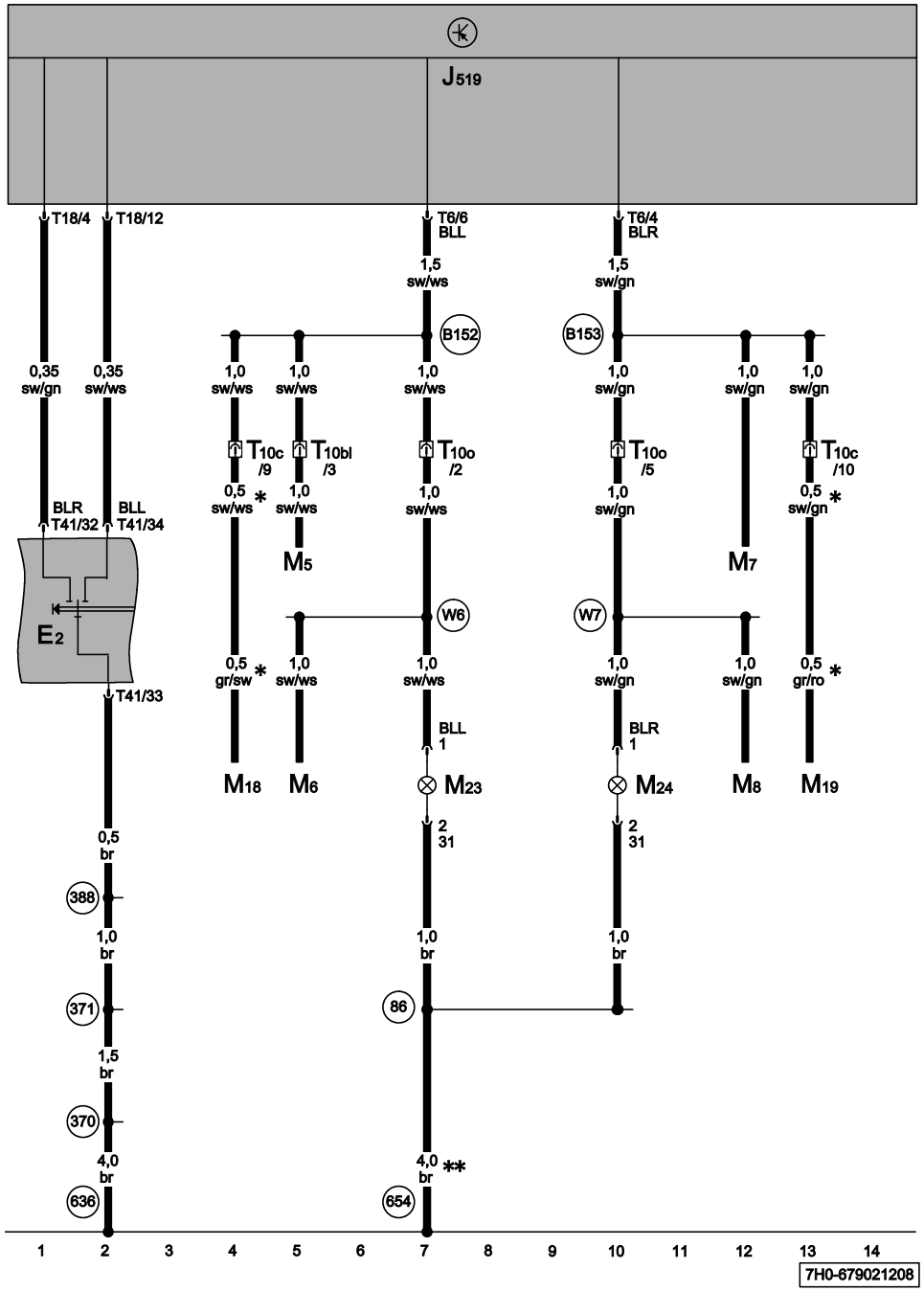
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
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rs = pink

Turn signal switch, roof turn mounted signal bulb

E2	Turn signal switch
J519	Onboard supply control unit
M5	Front left turn signal bulb
M6	Rear left turn signal bulb
M7	Front right turn signal bulb
M8	Rear right turn signal bulb
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
M23	Left roof turn mounted signal bulb
M24	Right roof mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
T10o	10-pin connector, light-green, coupling station under driver seat
T10bl	10-pin connector, black, near front right headlight
T18	18-pin connector, black
T41	41-pin connector
86	Earth connection 1, in rear wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
654	Earth point, right D-pillar
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
W6	Connection (left turn signal), in rear wiring harness
W7	Connection (right turn signal), in rear wiring harness
*	depends on equipment
**	cross-section depends on equipment

Multifunction display (4LF/4LL)

from August 2008

Notes:

For information concerning

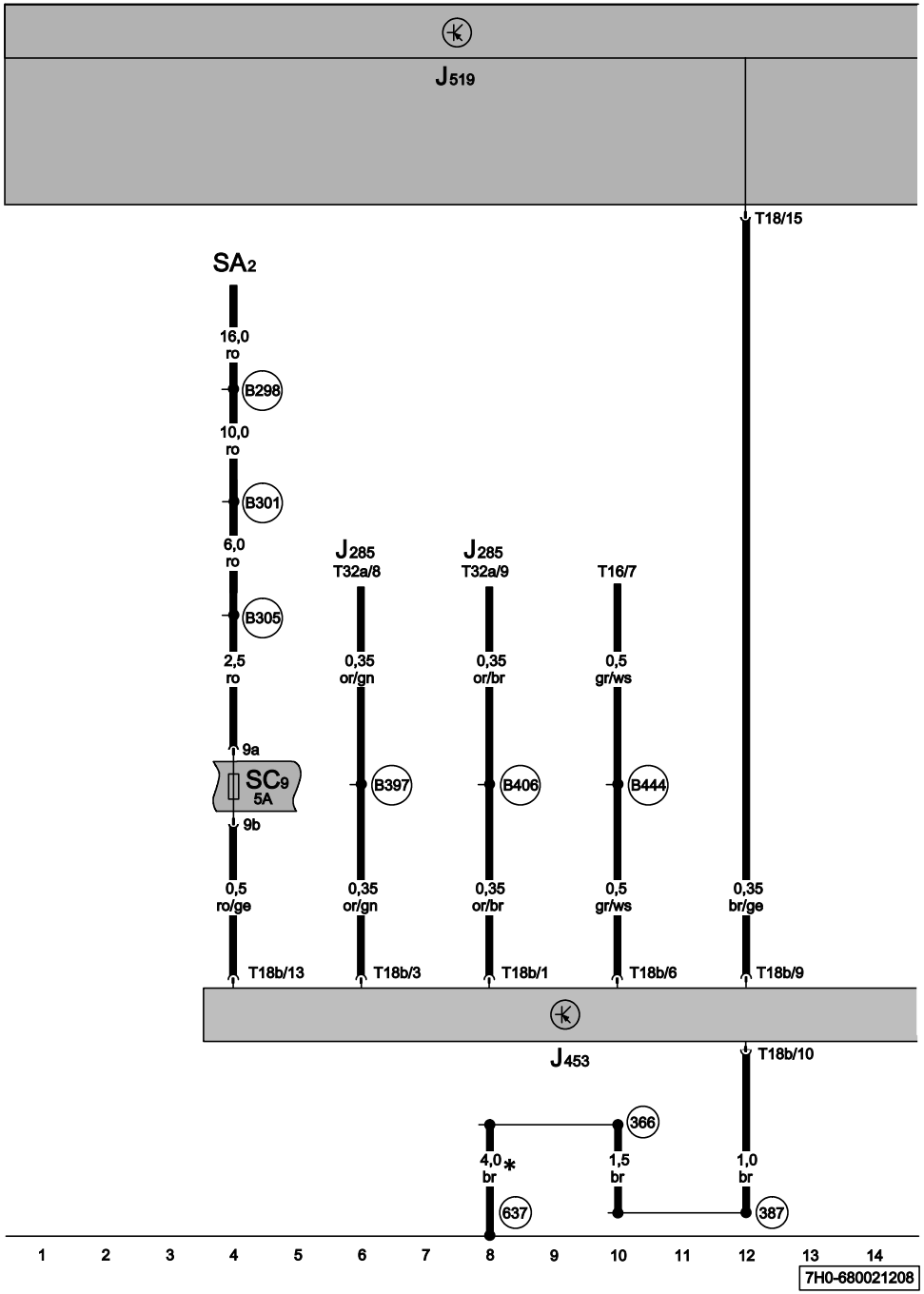
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

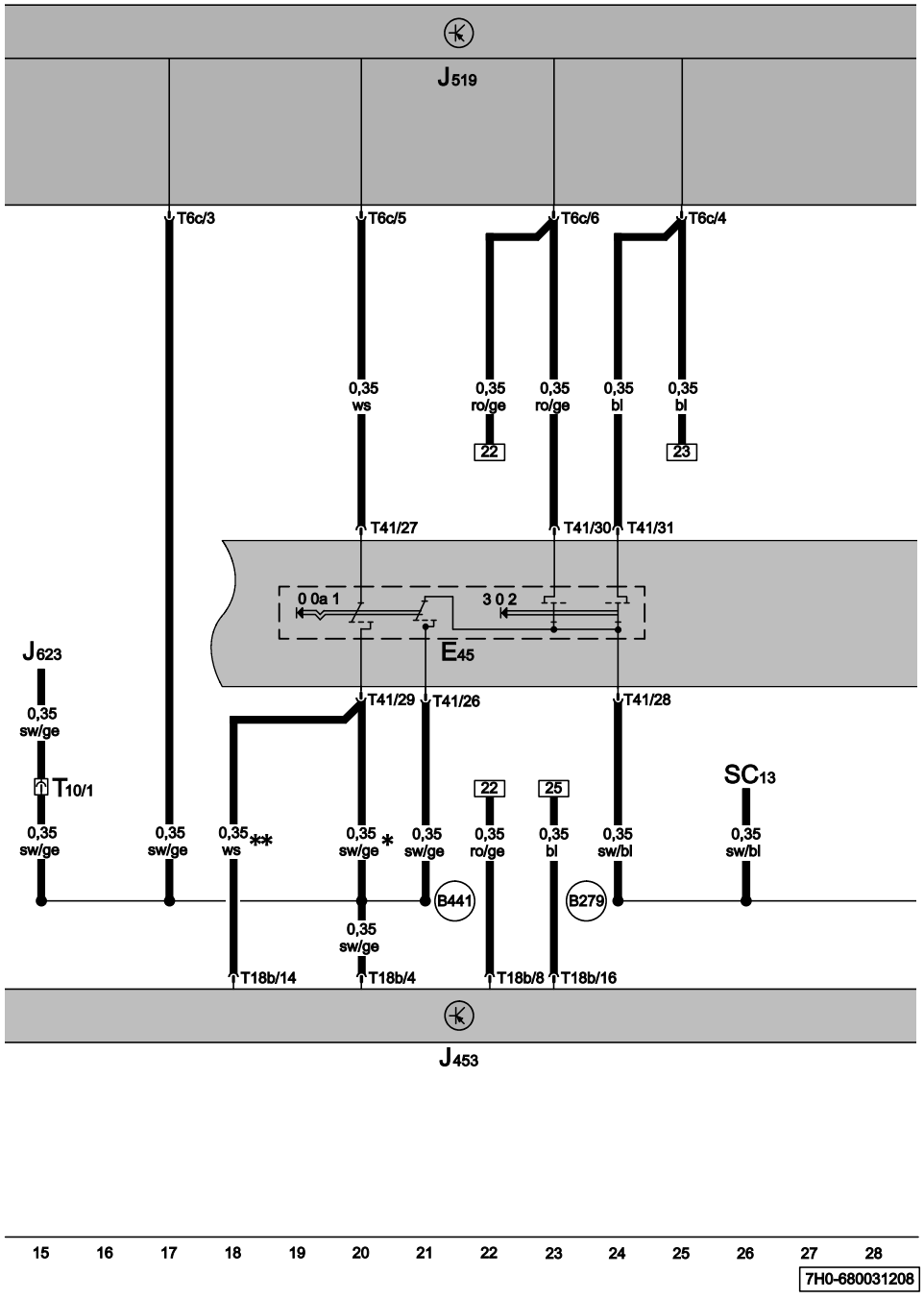
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

Onboard supply control unit, multifunction steering wheel control unit

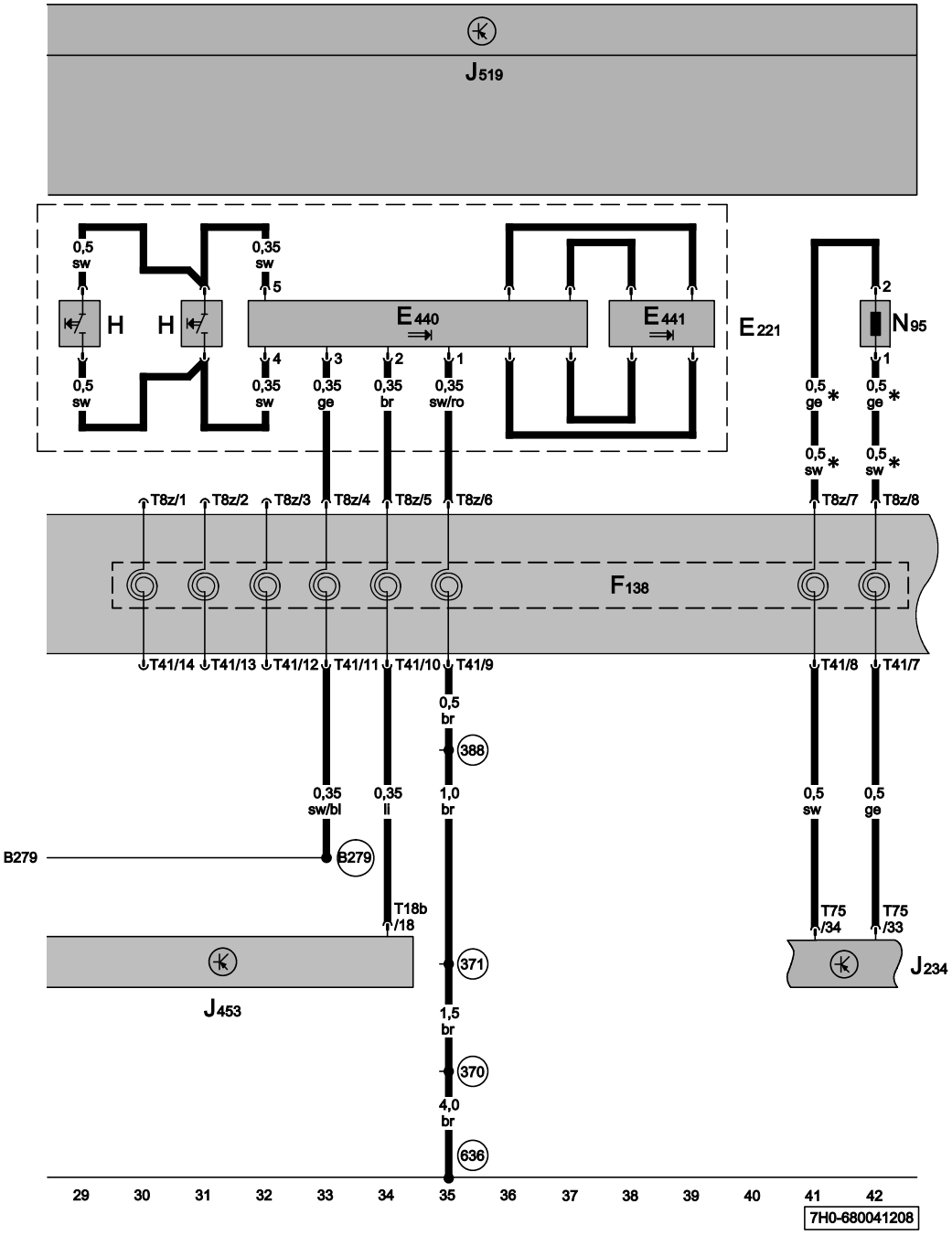
J285	Control unit in dash panel insert
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SC9	Fuse 9 on fuse holder C
T16	16-pin connector, diagnostic connector
T18	18-pin connector, black
T18b	18-pin connector, black
T32a	32-pin connector, green
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B305	Positive connection 9 (30), in main wiring harness
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
B444	Connection 1 (diagnosis), in main wiring harness
*	Cross-section 6.0 possible



Onboard supply control unit, multifunction steering wheel control unit, cruise control system switch

E45	Cruise control system switch
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
J623	Engine control unit
SC13	Fuse 13 on fuse holder C
T6c	6-pin connector, black
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T18b	18-pin connector, black
T41	41-pin connector
B279	Positive connection 3 (15a), in main wiring harness
B441	Connection (CCS), in main wiring harness
*	for models with operating unit in steering wheel for radio CCS and telephone only
**	for models with operating unit in steering wheel for radio and CCS only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
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Onboard supply control unit, multifunction steering wheel control unit, operating unit in steering wheel, airbag coil connector and return ring with slip ring

E221	Operating unit in steering wheel
E440	Multifunction buttons on left in steering wheel
E441	Multifunction buttons on right in steering wheel
F138	Airbag coil connector and return spring with slip ring
H	Horn plate
J234	Airbag control unit
J453	Multifunction steering wheel control unit
J519	Onboard supply control unit
N95	Driver side airbag igniter
T8z	8-pin connector, yellow, in steering wheel
T18b	18-pin connector, black
T41	41-pin connector
T75	75-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
B279	Positive connection 3 (15a), in main wiring harness
*	depends on equipment

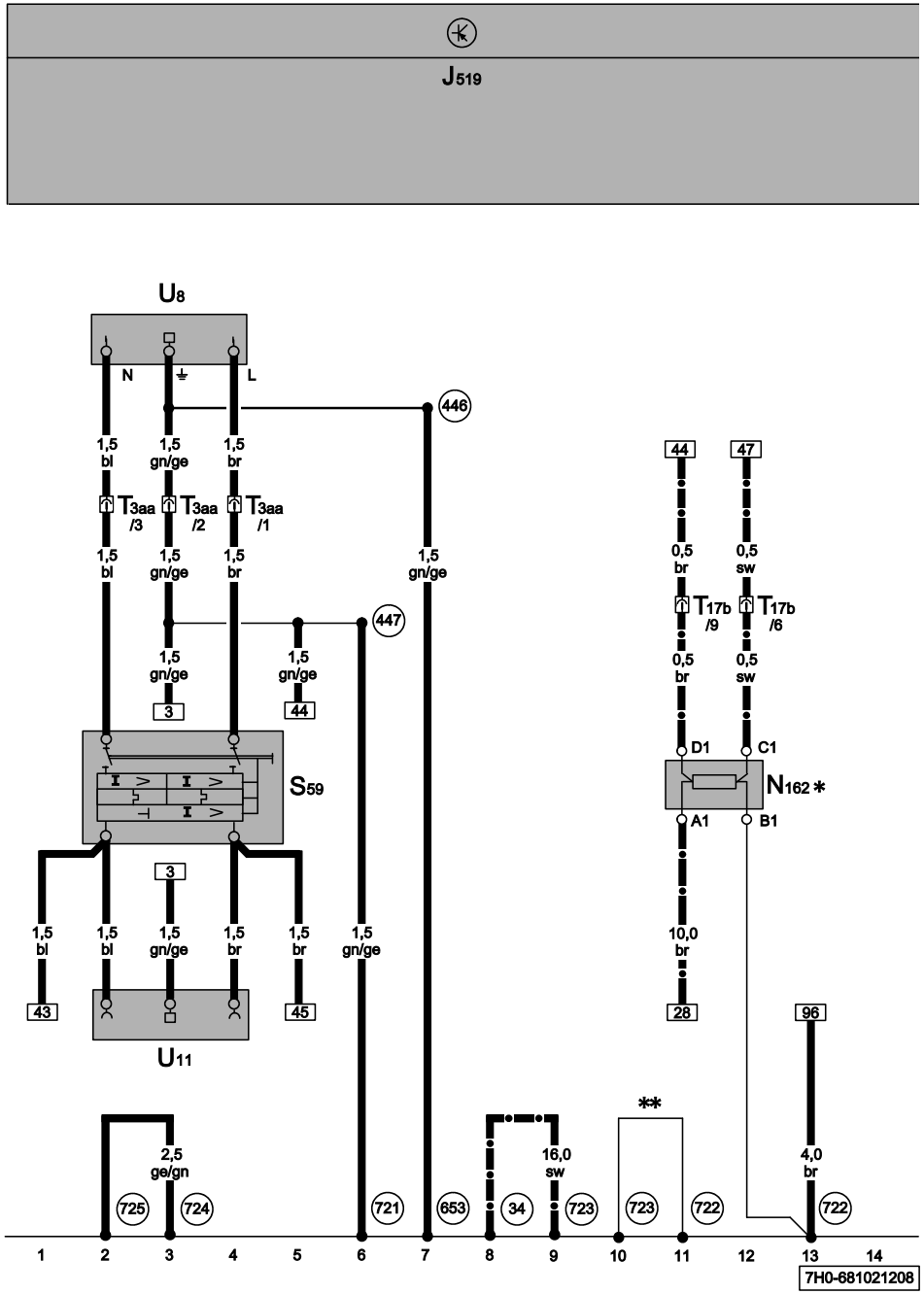
Camping equipment

⇒ **California Trendline**
⇒ **California Comfortline**
from November 2008

Notes:
For information concerning
- Position of relays and fuses
- Pin connectors
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

⇒ guided fault finding



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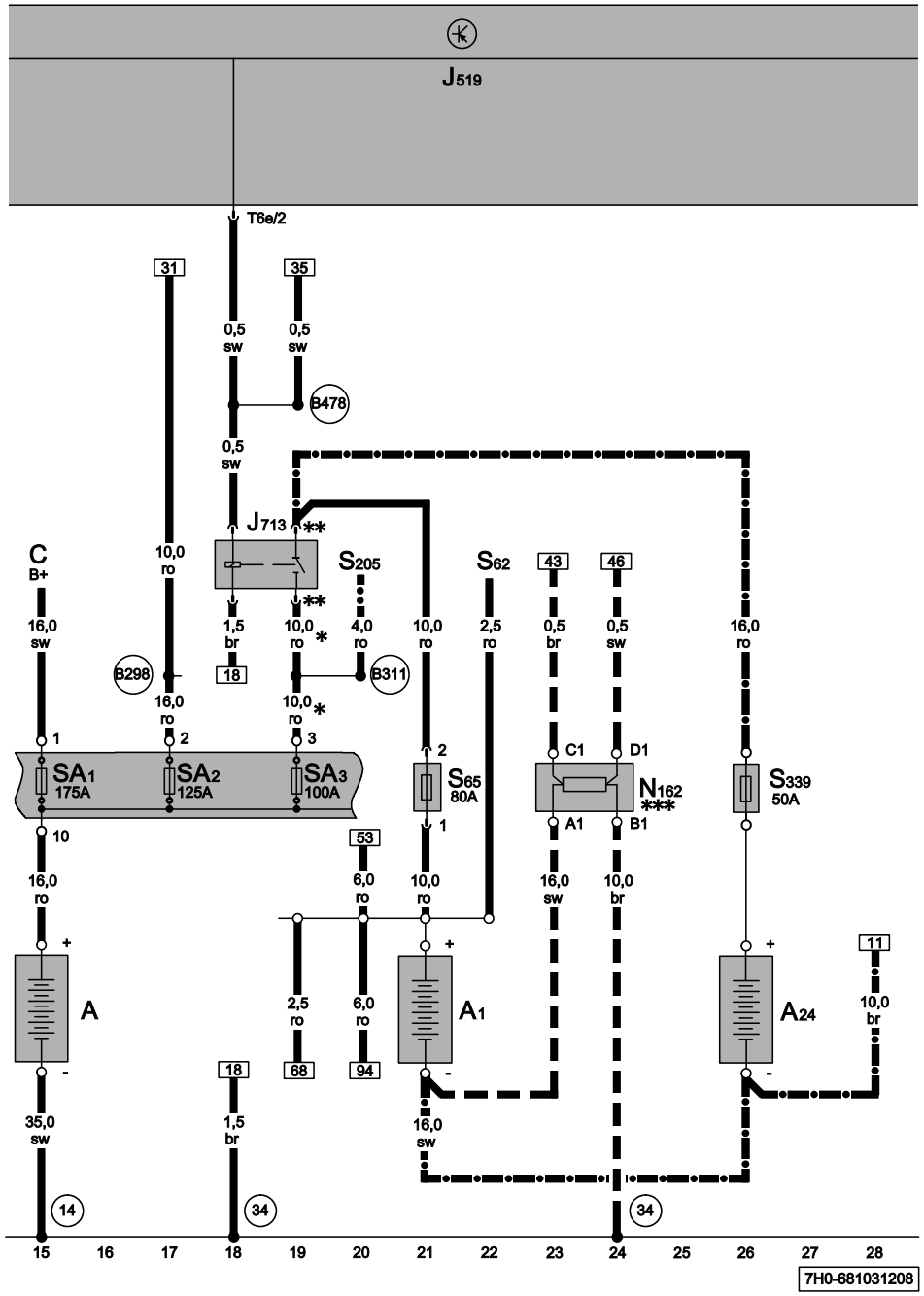
220 V, 110 V external socket, 220 V, 110 V internal socket, 220 V automatic personnel protection circuit breaker, battery charge control measuring resistor

J519	Onboard supply control unit
N162	Battery charge control measuring resistor
S59	220 V automatic personnel protection circuit breaker
T3aa	3-pin connector, white, near left D-pillar
T17b	17-pin connector, black, in lower cupboard
U8	230 V external socket, 220 V, 110 V
U11	Internal socket, 230 V, 110 V, near sink
34	Earth point, under driver seat
446	Earth conductor connection 1
447	Earth conductor connection 2
653	Earth point, left D-pillar
721	Earth point 1 for special constructions
722	Earth point 2 for special constructions
723	Earth point 3 for special constructions
724	Earth point 4 for special constructions
725	Earth point 5 for special constructions
*	in cupboard, next to lower refrigerator ⇒ Fitting Locations camper
**	Earth connection via the cupboard floor

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for models with battery for special vehicles only

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rs	=	pink	



ws = white

Battery, second battery, battery for special vehicle, second battery charging circuit relay, battery charge control measuring resistor, fuses

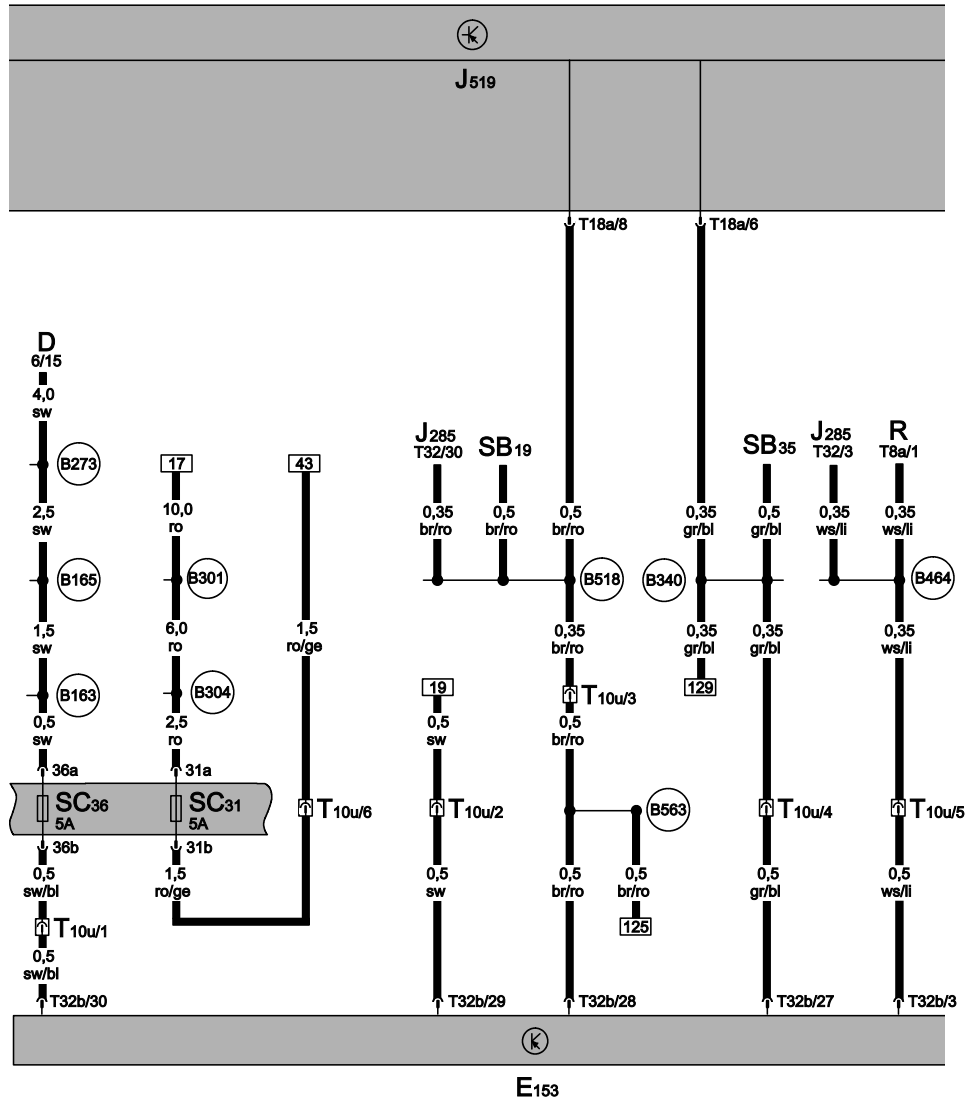
A	Battery
A1	Second battery
A24	Battery for special vehicle, in cupboard
C	Alternator
J519	Onboard supply control unit
J713	Second battery charging circuit relay, left seat box
N162	Battery charge control measuring resistor
S62	Auxiliary heater fuse
S65	2nd battery fuse, left seat box
S205	Fuse 2 (30)
S339	Battery fuse in special vehicle
SA1	Fuse 1 on fuse holder A
SA2	Fuse 2 on fuse holder A
SA3	Fuse 3 on fuse holder A
T6e	6-pin connector, red
14	Earth point, on gearbox
34	Earth point, under driver seat
B298	Positive connection 2 (30), in main wiring harness
B311	Positive connection 15 (30), in main wiring harness
B478	Connection 14 in main wiring harness
*	Cross-section 16.0 possible
**	screw connection possible
***	On left in seat box

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for models with battery for special vehicles only

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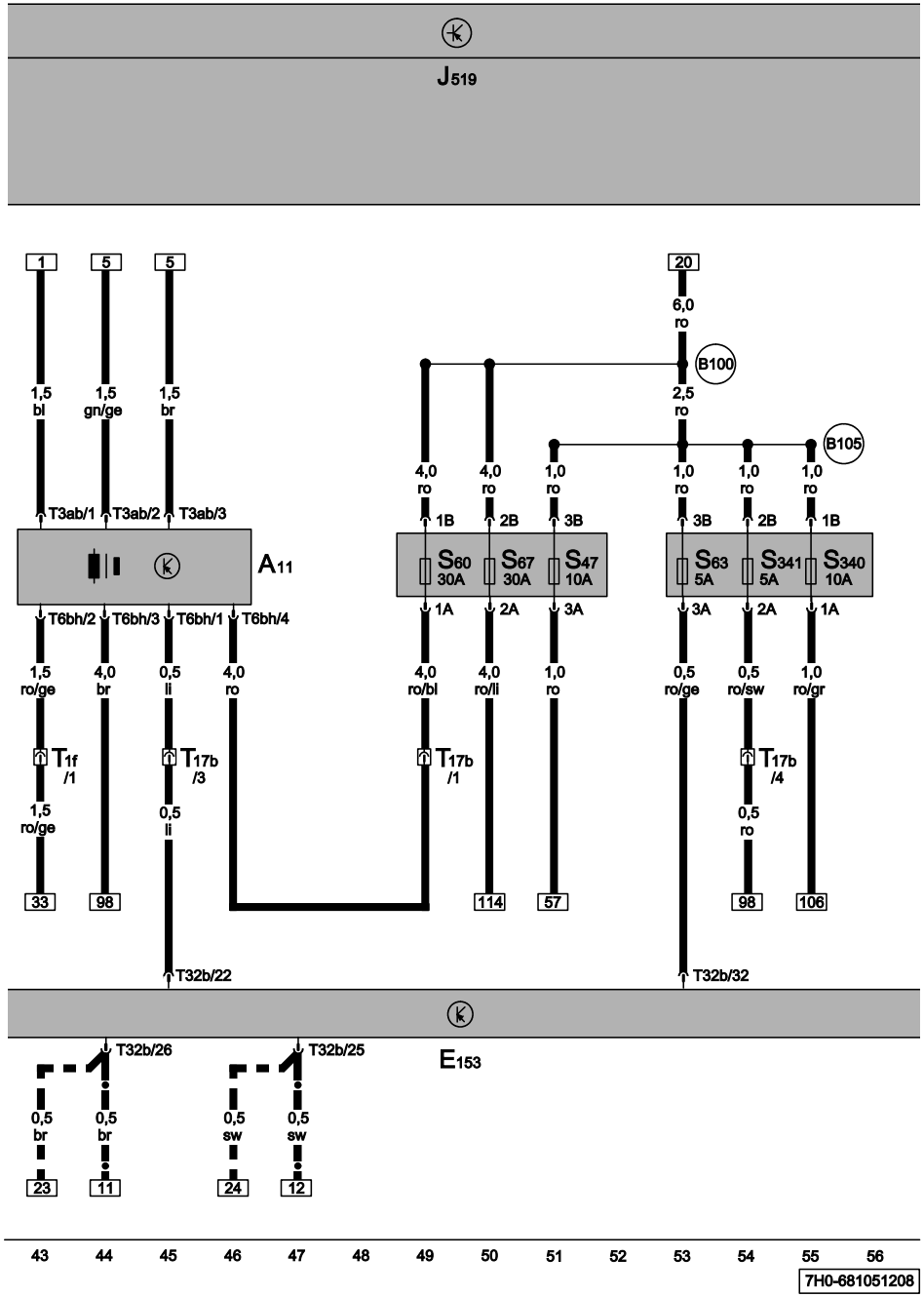
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ws = white
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ro = red
br = brown
gn = green
bl = blue
gr = grey
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or = orange
rs = pink

Fuses, operating and display unit for camping equipment, onboard supply control unit

D	Ignition/starter switch
E153	Operating and display unit for camping equipment
J285	Control unit in dash panel insert
J519	Onboard supply control unit
R	Radio
SB19	Fuse 19 on fuse holder B
SB35	Fuse 35 on fuse holder B
SC31	Fuse 31 on fuse holder C
SC36	Fuse 36 on fuse holder C
T8a	8-pin connector, black
T10u	10-pin connector, blue, coupling station under driver seat
T18a	18-pin connector, brown
T32	32-pin connector, blue
T32b	32-pin connector, black
B163	Positive connection 1 (15), in interior wiring harness
B165	Positive connection 2 (15), in interior wiring harness
B273	Positive connection (15), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
B340	Connection 1 (58d), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B518	Connection (86s), in main wiring harness
B563	Positive connection 3, in Camper wiring harness



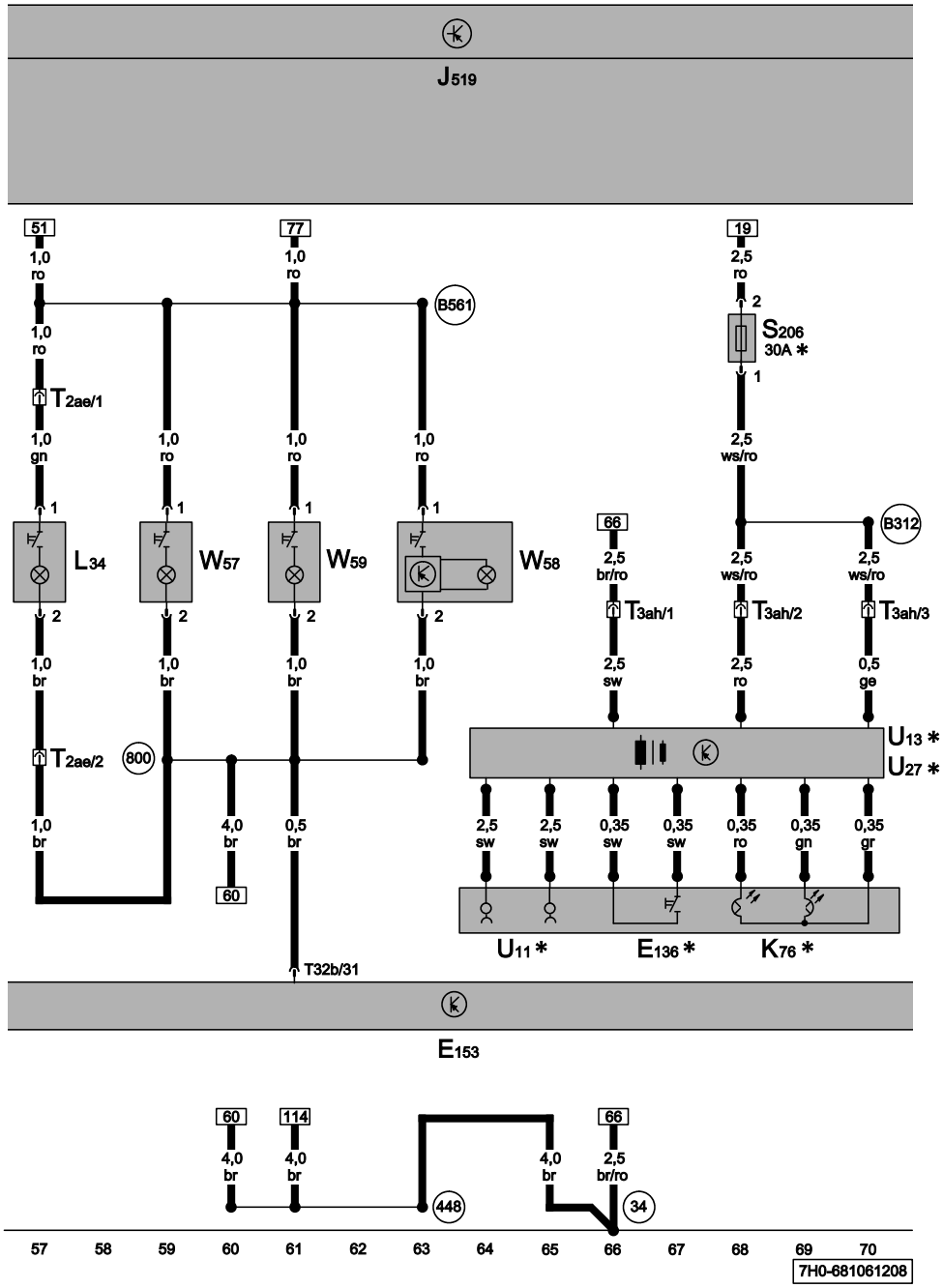
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Onboard supply charger unit, fuses, operating and display unit for camping equipment

A11	Onboard supply charger unit
E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
S47	Reading light and interior light fuse, blue
S60	Charging unit fuse, black
S63	Display unit fuse, black
S67	Convertible roof actuation fuse, white
S340	Refrigerator box fuse, grey
S341	Water pump fuse, violet
T1f	Single pin connector, black, in lower cupboard
T3ab	3-pin connector
T6bh	6-pin connector
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black
B100	Positive connection 4, in Camper wiring harness
B105	Positive connection 5, in Camper wiring harness

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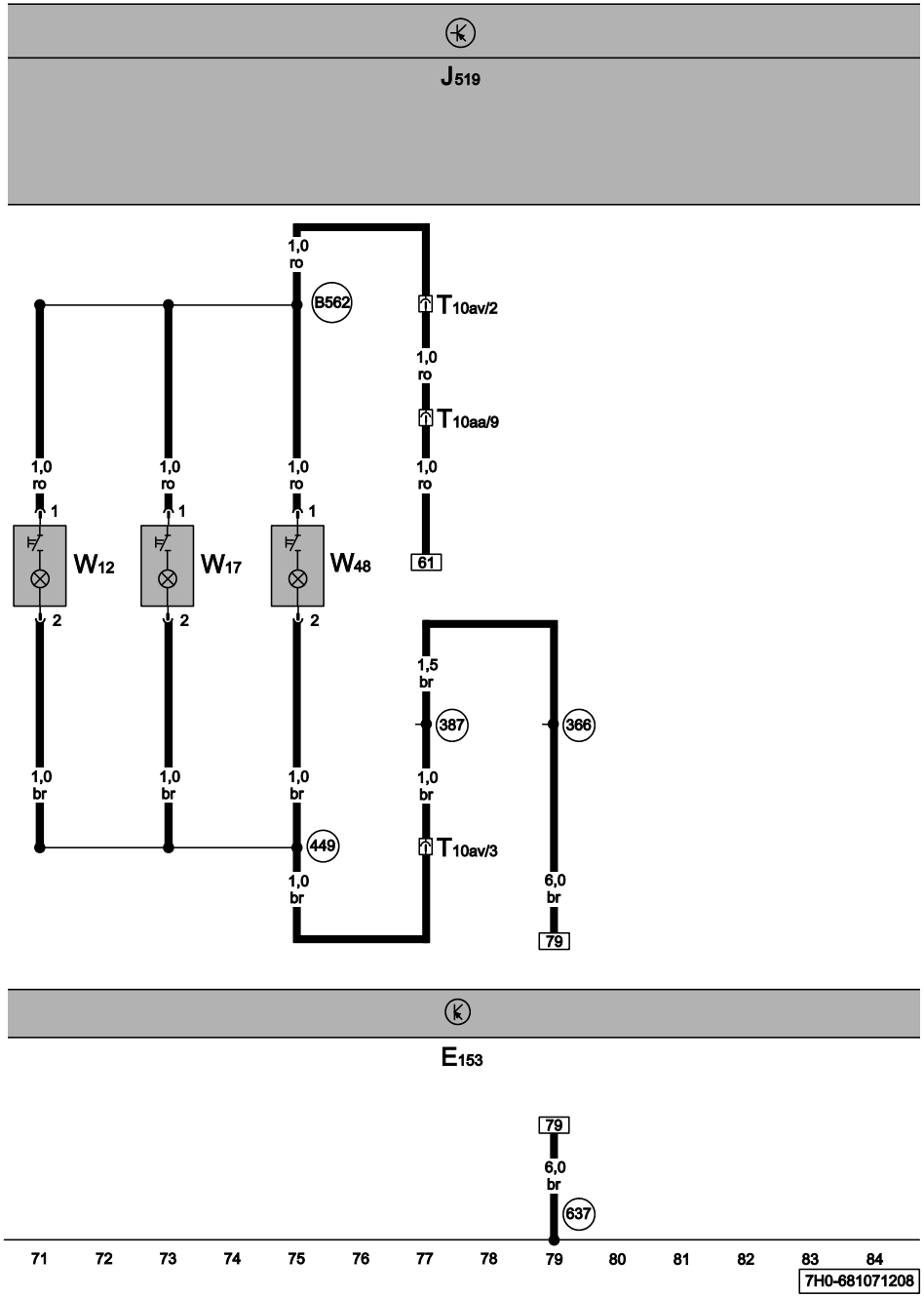
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Operating and display unit for camping equipment, map reading light bulb, kitchenette light, fuse, transformer with socket

E136	Transformer switch
E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
K76	Electric socket warning lamp
L34	Map reading light bulb
S206	Fuse 3 (30)
T2ae	2-pin connector, near map reading light bulb
T3ah	3-pin connector, black, on transformer
T32b	32-pin connector, black
U11	Interior socket, 230 V, 110 V
U13	Transformer with socket, 12 V - 230 V
U27	Transformer with socket, 12 V - 115 V
W57	Kitchenette light 1
W58	Kitchenette light 2
W59	Kitchenette light 3
34	Earth point, under driver seat
448	Earth connection 1, in camper wiring harness
800	Earth connection 4, in camper wiring harness
B312	Positive connection 16 (30), in main wiring harness
B561	Positive connection 1, in Camper wiring harness
*	only for models with AC/DC converter with socket, 12 V-230 V/ 12 V-115 V

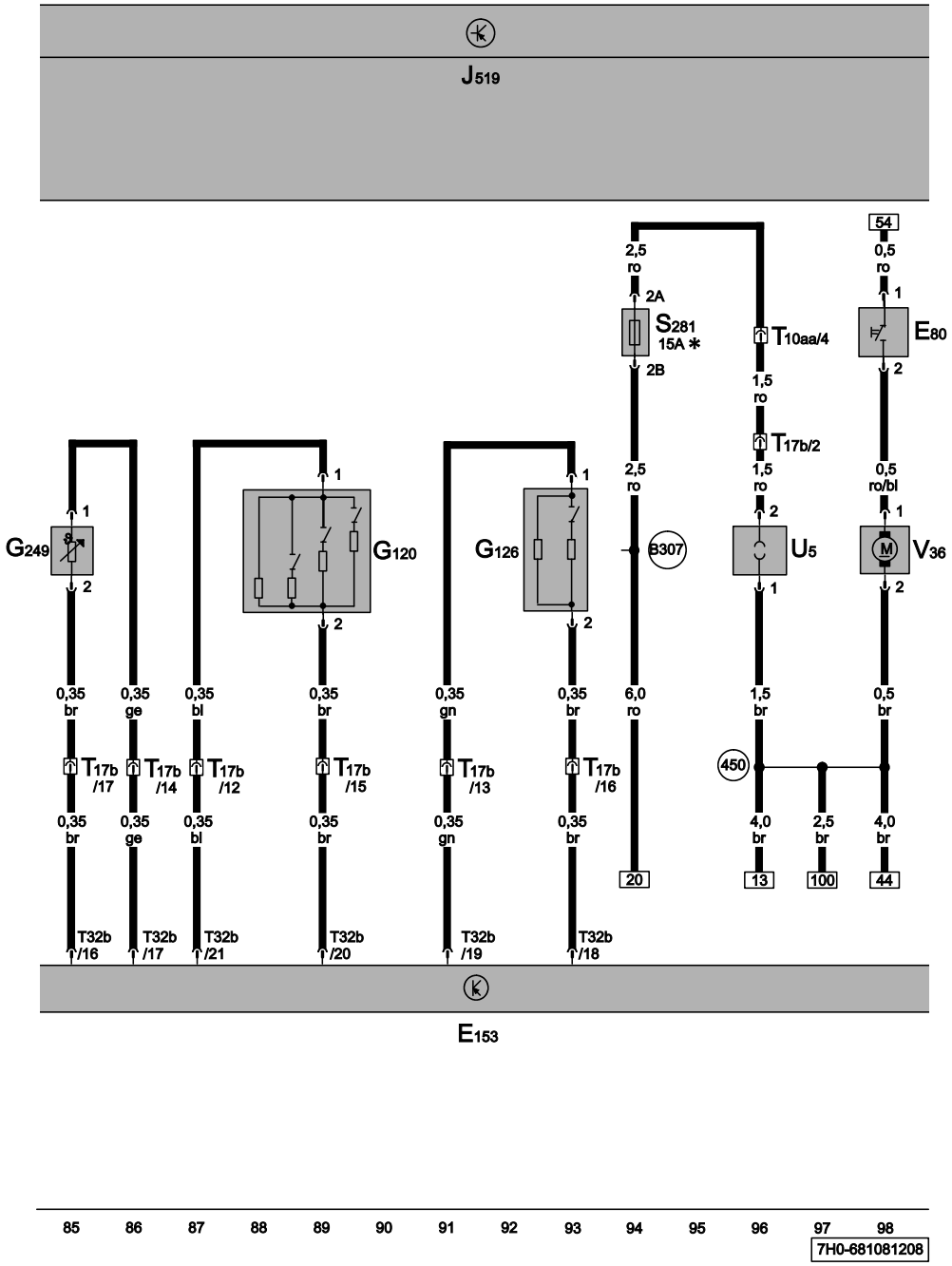
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or	=	orange
rs	=	pink



Operating and display unit for camping equipment, rear right reading light, right interior light, rear right interior light

E153	Operating and display unit for camping equipment
J519	Onboard supply control unit
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
W12	Rear right reading light
W17	Right interior light
W48	Rear right interior light
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
449	Earth connection 2, in camper wiring harness
637	Earth point, airbag control unit
B562	Positive connection 2, in Camper wiring harness

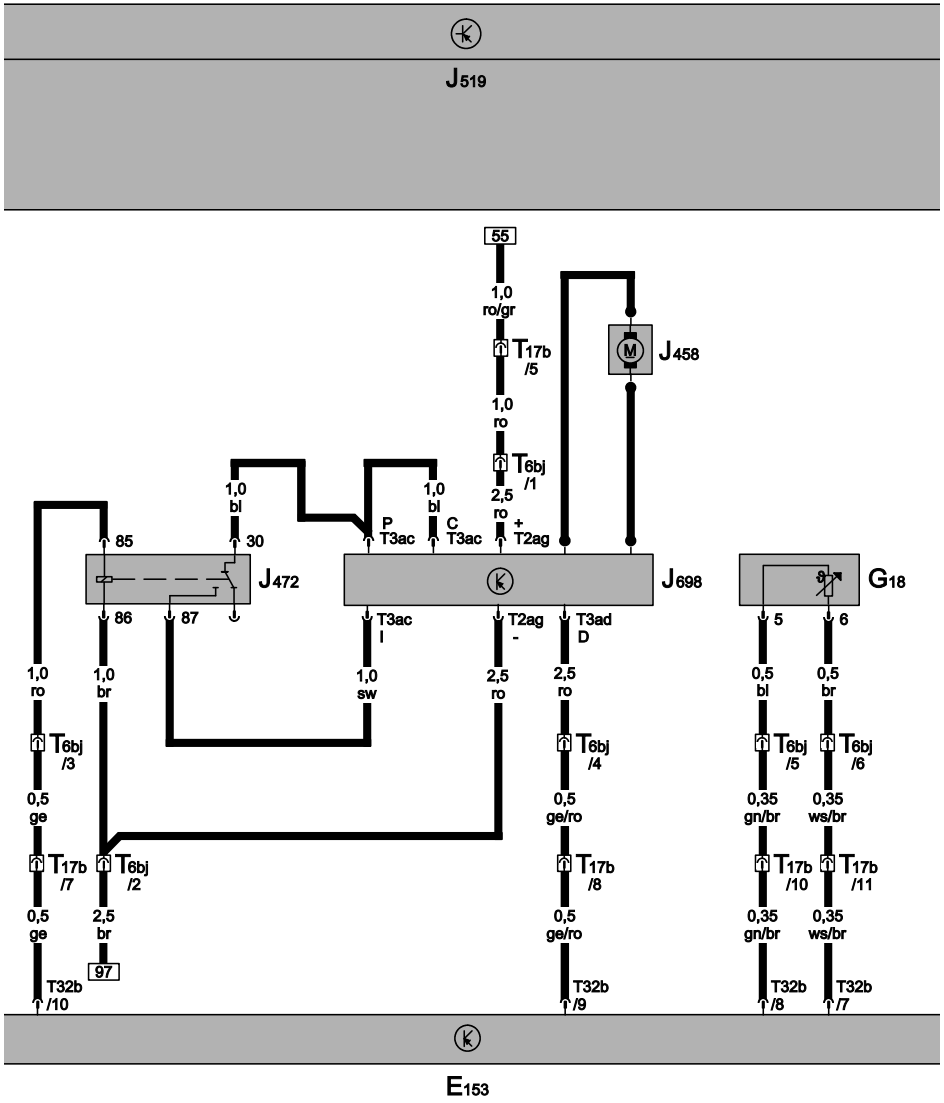
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or	=	orange
rs	=	pink



Operating and display unit for camping equipment, water level sender, ambient temperature sender 2, 12 V socket, water pump switch, water pump, fuse, waste water level sender

E80	Water pump switch
E153	Operating and display unit for camping equipment
G120	Water level sender
G126	Waste water level sender
G249	Ambient temperature sender 2
J519	Onboard supply control unit
S281	Electric socket 3 fuse
T10aa	10-pin connector, dark brown, coupling station under driver seat
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black
U5	12 V socket, near sink
V36	Water pump
450	Earth connection 3, in camper wiring harness
B307	Positive connection 11 (30), in main wiring harness
*	On relay carrier, left seat box, ⇒ Fitting Locations

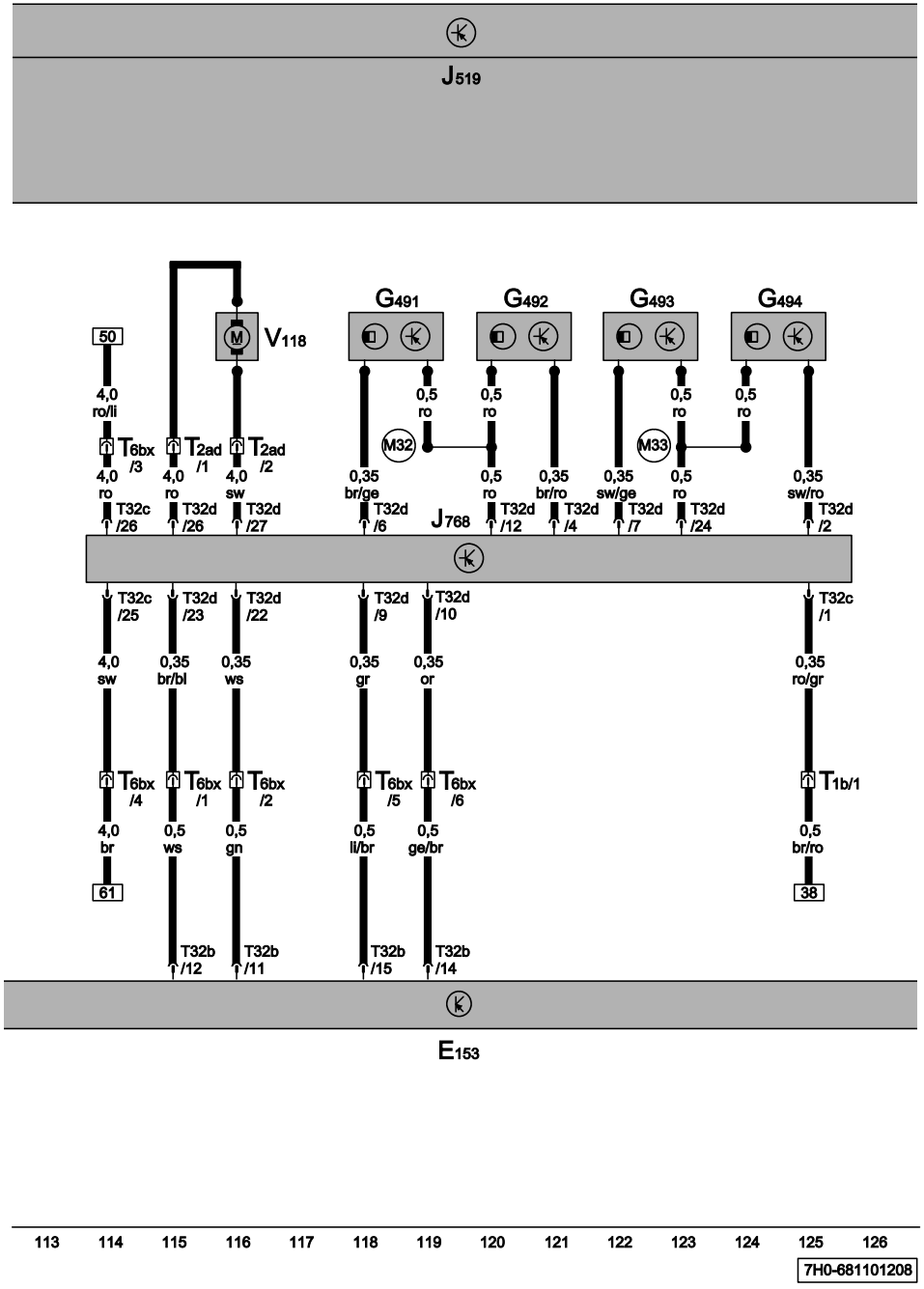
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or	=	orange
rs	=	pink



Operating and display unit for camping equipment, refrigerator box, refrigerator compressor relay, temperature sensor

E153	Operating and display unit for camping equipment
G18	Temperature sensor
J458	Refrigerator compressor
J472	Refrigerator compressor relay
J519	Onboard supply control unit
J698	Refrigerator box
T2ag	2-pin connector
T3ac	3-pin connector
T3ad	3-pin connector
T6bj	6-pin connector, light-grey, near refrigerator box
T17b	17-pin connector, black, in lower cupboard
T32b	32-pin connector, black

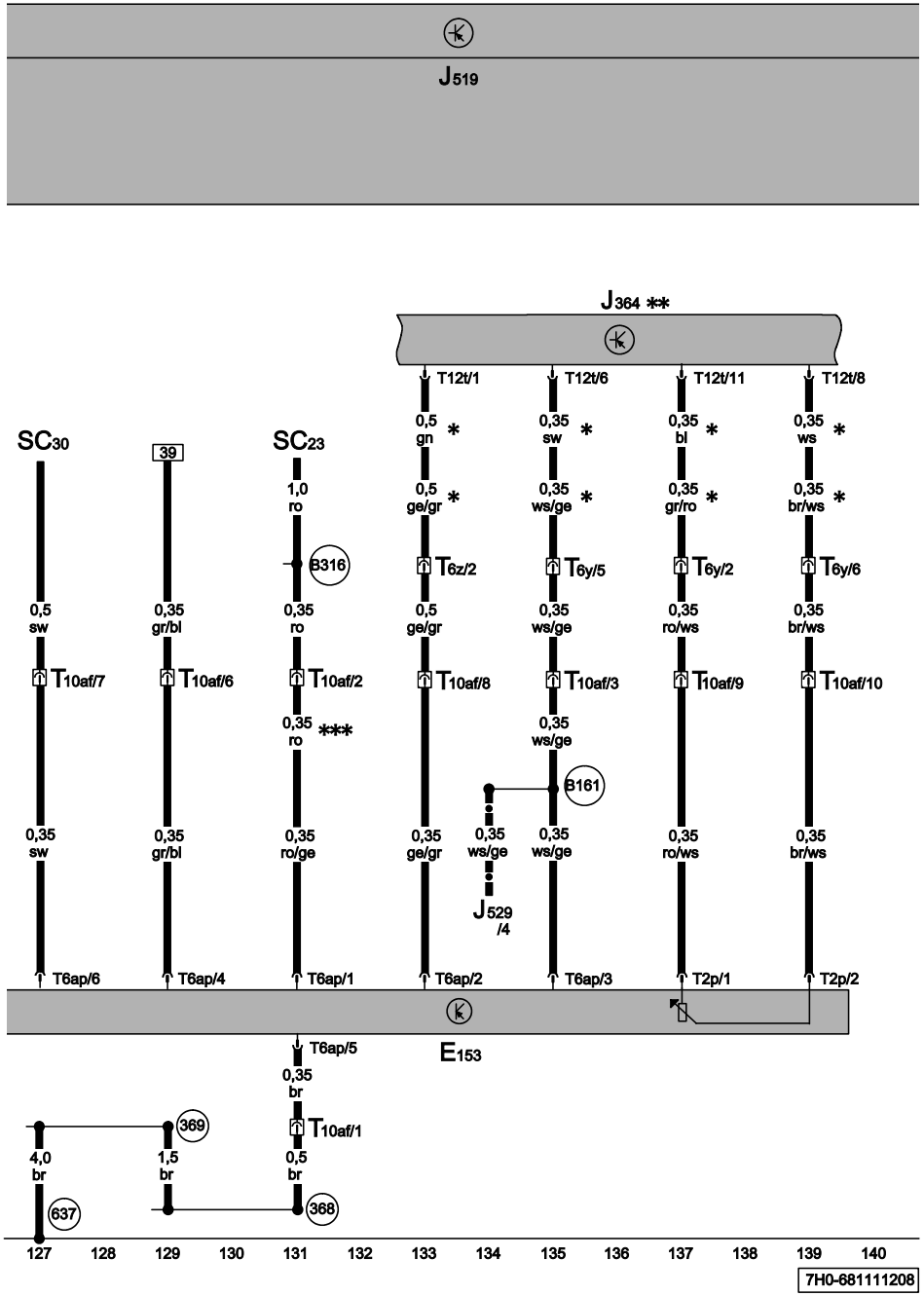
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or	=	orange
rs	=	pink



Operating and display unit for camping equipment, roof hydraulics control unit, roof hydraulics sender, convertible roof actuation hydraulic pump

E153	Operating and display unit for camping equipment
G491	Roof hydraulics sender 1
G492	Roof hydraulics sender 2
G493	Roof hydraulics sender 3
G494	Roof hydraulics sender 4
J519	Onboard supply control unit
J768	Roof hydraulics control unit
T1b	Single connector, grey, near roof hydraulics control unit
T2ad	2-pin connector, black
T6bx	6-pin connector, black, near roof hydraulics control unit
T32b	32-pin connector, black
T32c	32-pin connector, black
T32d	32-pin connector, blue
V118	Convertible roof actuation hydraulic pump
M32	Connection 1, in roof actuation wiring harness
M33	Connection 2, in roof actuation wiring harness

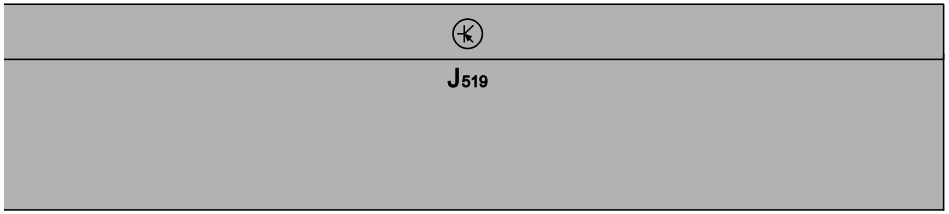
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or	=	orange
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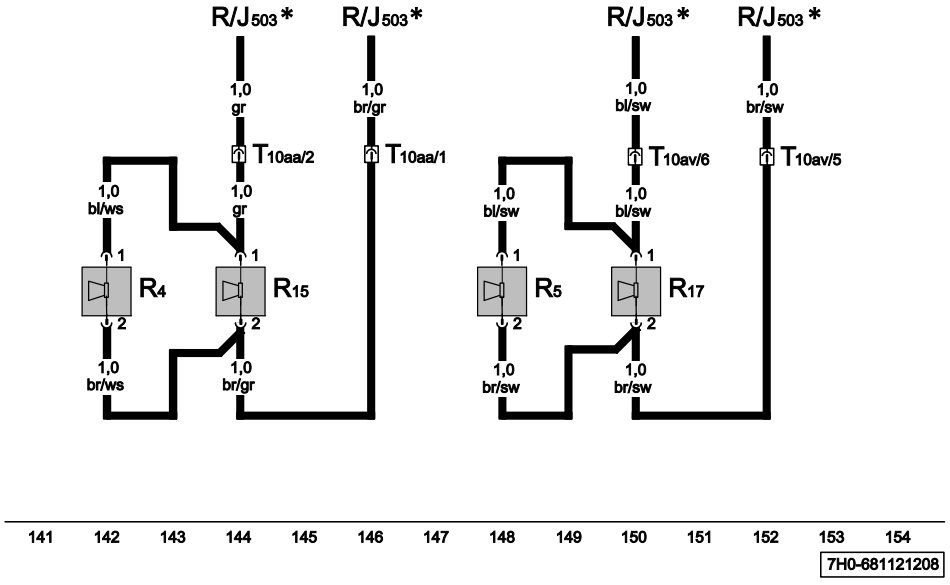
Operating and display unit for camping equipment, auxiliary heater control unit, fuses

E153	Operating and display unit for camping equipment
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC23	Fuse 23 on fuse holder C
SC30	Fuse 30 on fuse holder C
T2p	2-pin connector, black
T6y	6-pin connector, blue, coupling station under front passenger seat
T6z	6-pin connector, brown, coupling station under front passenger seat
T6ap	6-pin connector, black
T10af	10-pin connector, blue, coupling station on left of A-pillar
T12t	12-pin connector, black
368	Earth connection 3, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
B161	Connection (ATA), in interior wiring harness
B316	Positive connection 2 (30a), in main wiring harness
*	depends on equipment
**	for models with auxiliary air heater only
***	applicable from November 2007
<fo:external-graphic src="/../PDOC/samba/tools/png-convert/out//slp/ft_icons/m_k_m.png" content-width="20pt" scaling="uniform"/>	for models with anti-theft alarm system only



Control unit with display for radio and navigation system, rear loudspeaker

J503	Control unit with display for radio and navigation system
J519	Onboard supply control unit
R	Radio
R4	Rear left loudspeaker
R5	Rear right loudspeaker
R15	Rear left bass loudspeaker
R17	Rear right bass loudspeaker
T10aa	10-pin connector, dark brown, coupling station under driver seat
T10av	10-pin connector, brown, coupling station under front passenger seat
*	⇒ Current Flow Diagram for radio/radio/navigation system



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sw	=	black
ro	=	red
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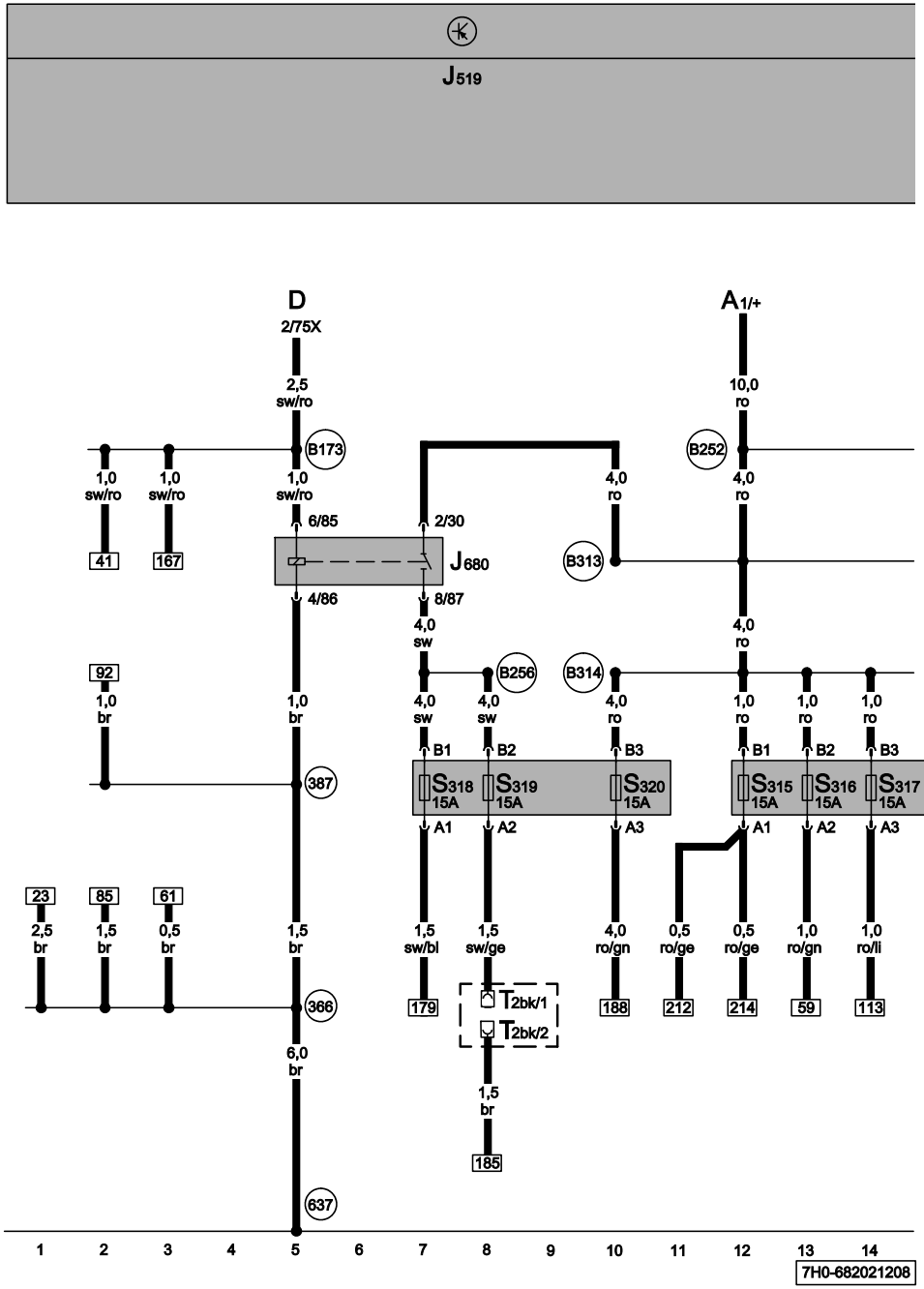
Optimal equipment, police (UF5)

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Accident data memory**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

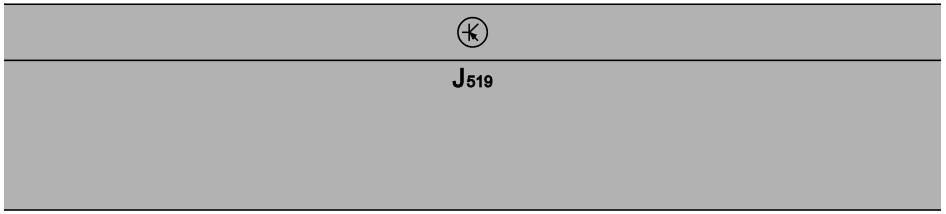
⇒ guided fault finding

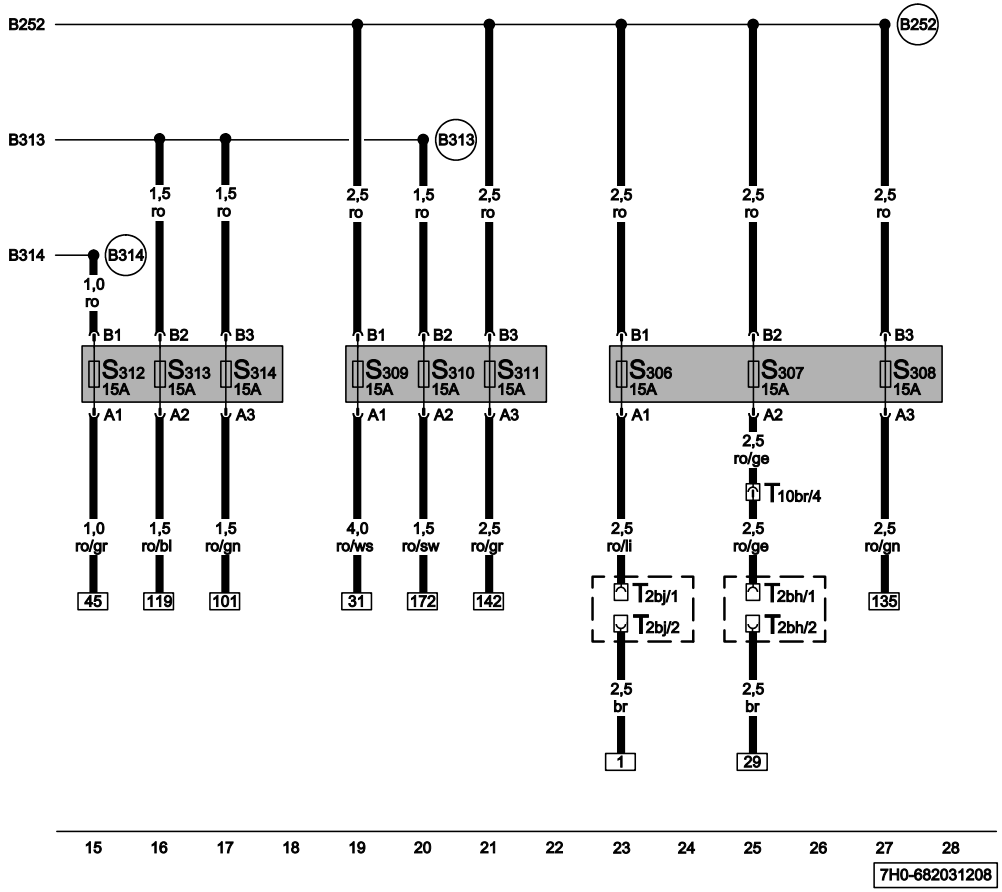


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sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, terminal 75 voltage supply relay 1, hand-held two-way radio interface

A1	Second battery
D	Ignition/starter switch
J519	Onboard supply control unit
J680	Terminal 75 voltage supply relay 1
S315	Special vehicle fuse 25
S316	Special vehicle fuse 26
S317	Special vehicle fuse 27
S318	Special vehicle fuse 28
S319	Special vehicle fuse 29
S320	Special vehicle fuse 30
T2bk	2-pin connector, black, hand-held two-way radio interface, under front passenger seat
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
B173	Positive connection 2 (X), in interior wiring harness
B252	Positive connection (30, police), in interior wiring harness
B256	Positive connection (75x, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness
B314	Positive connection 18 (30), in main wiring harness

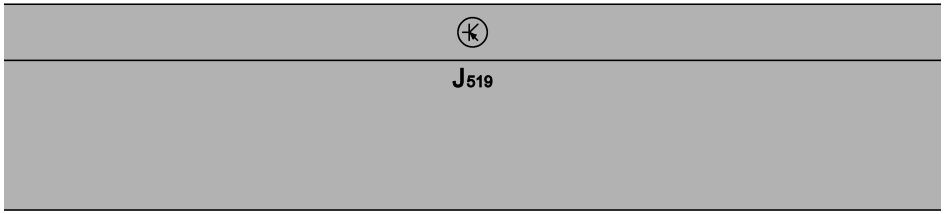




Fuses, socket on table interface, front socket interface

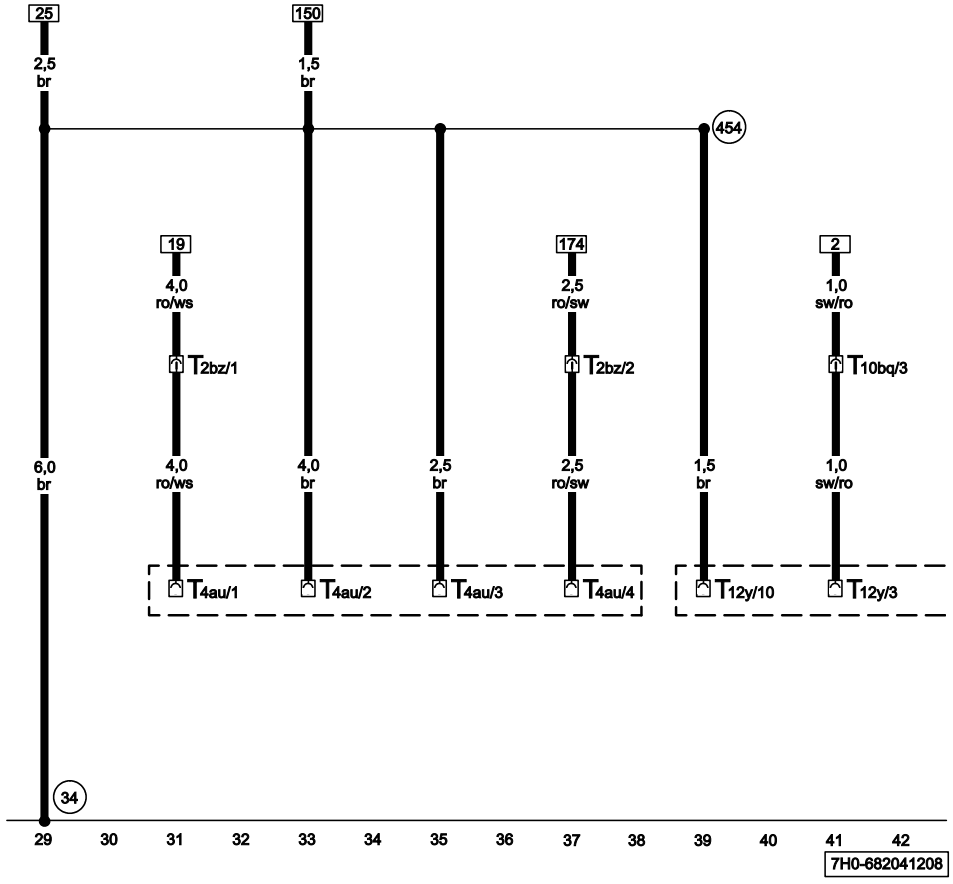
J519	Onboard supply control unit
S306	Special vehicle fuse 16
S307	Special vehicle fuse 17
S308	Special vehicle fuse 18
S309	Special vehicle fuse 19
S310	Special vehicle fuse 20
S311	Special vehicle fuse 21
S312	Special vehicle fuse 22
S313	Special vehicle fuse 23
S314	Special vehicle fuse 24
T2bh	2-pin connector, black, socket on table interface, on lower part of left C-pillar
T2bj	2-pin connector, black, front socket interface, in centre dash panel
T10br	10-pin connector, blue, coupling station under driver seat
B252	Positive connection (30, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness
B314	Positive connection 18 (30), in main wiring harness

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ro	=	red
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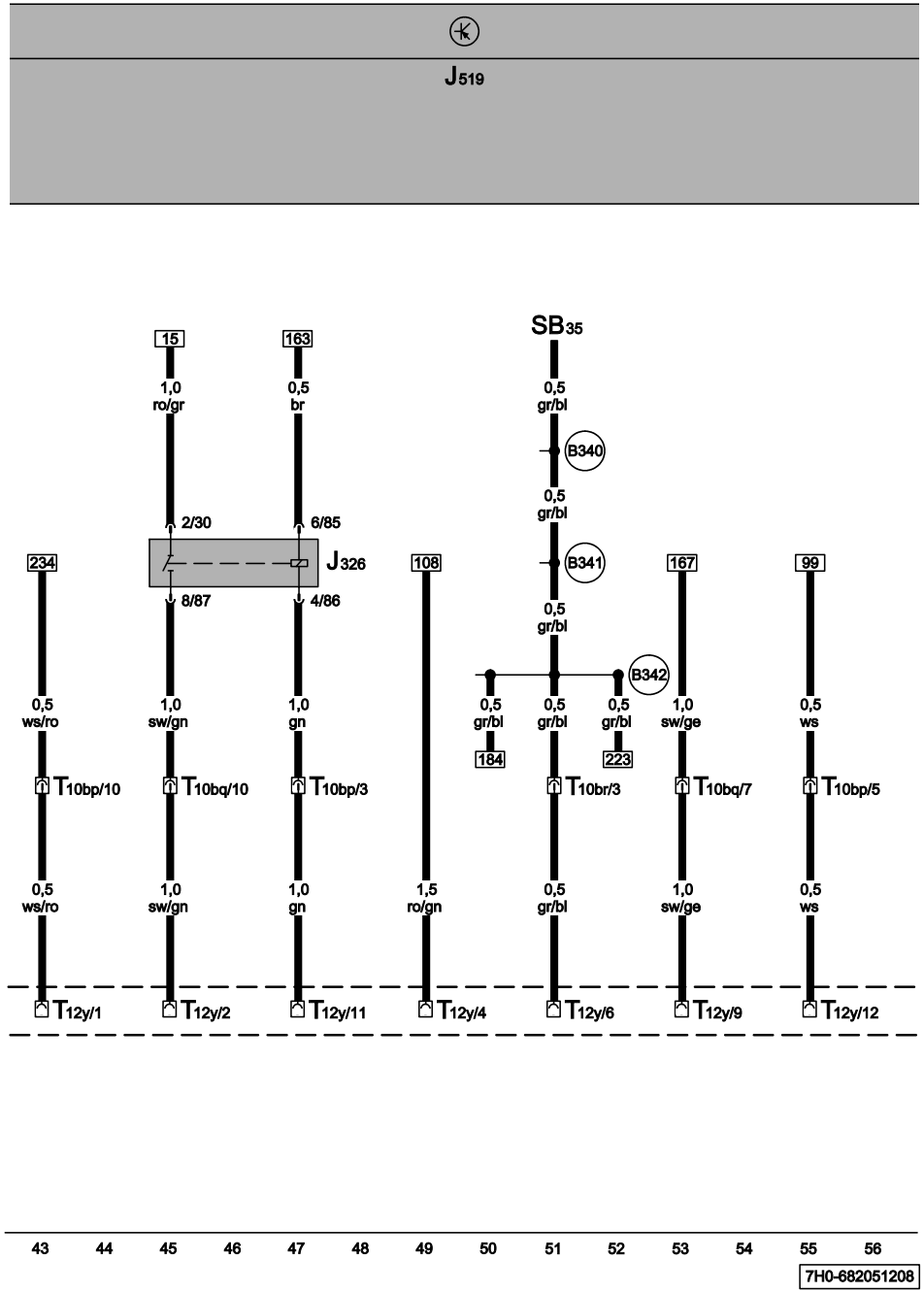


Special signals interface

J519	Onboard supply control unit
T2bz	2-pin connector, black, coupling station, under driver seat
T4au	4-pin connector, black, special signals interface, under roof, near left B-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
34	Earth point, under driver seat
454	Earth connection 4, in optional equipment wiring harness



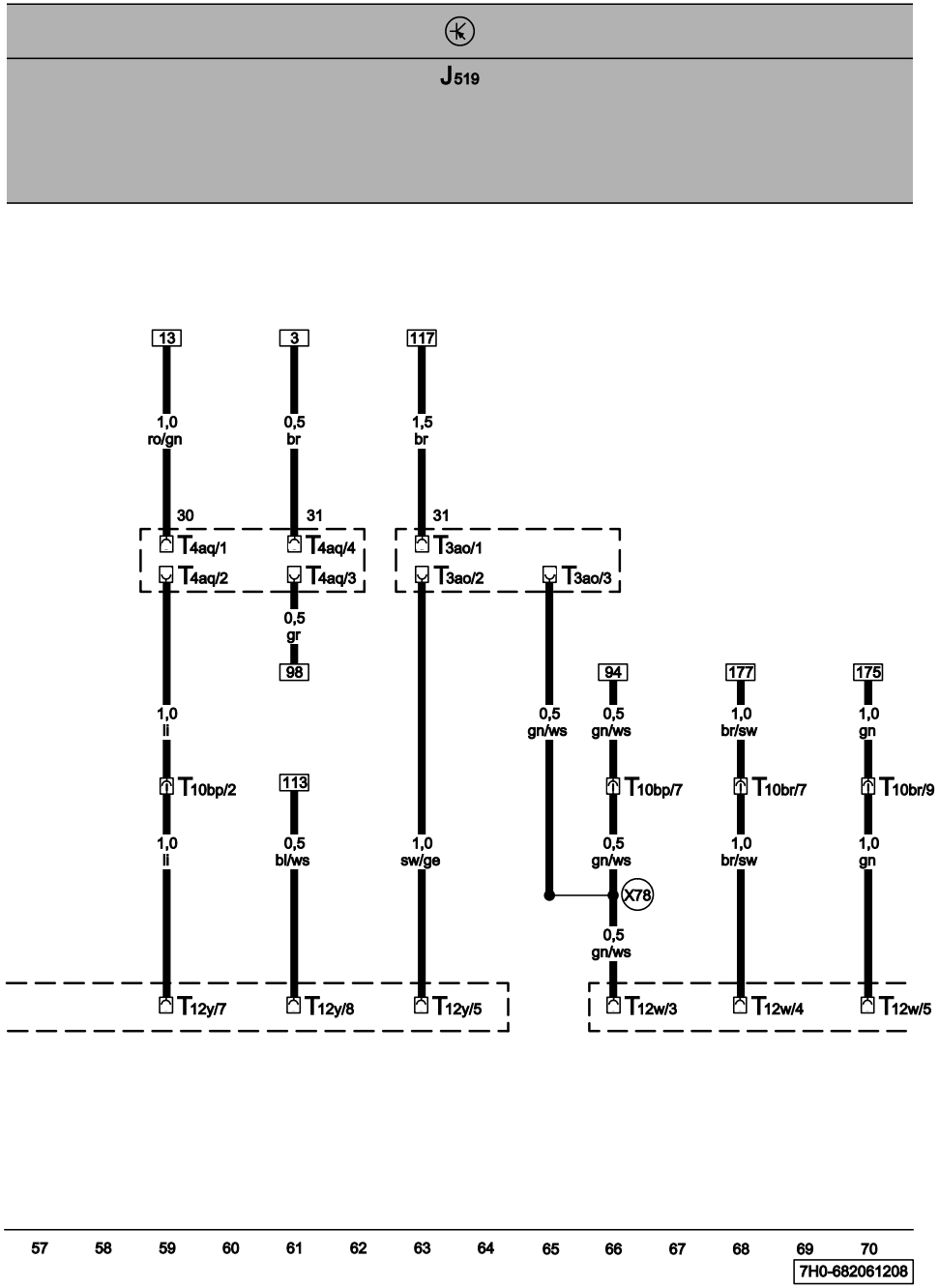
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bl = blue
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li = purple
ge = yellow
or = orange
rs = pink



Special signals interface, rotating light relay

J326	Rotating light relay
J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness

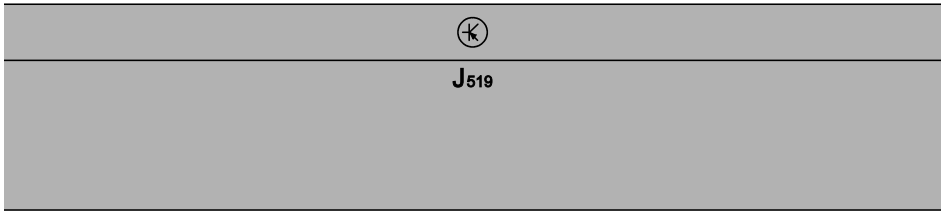
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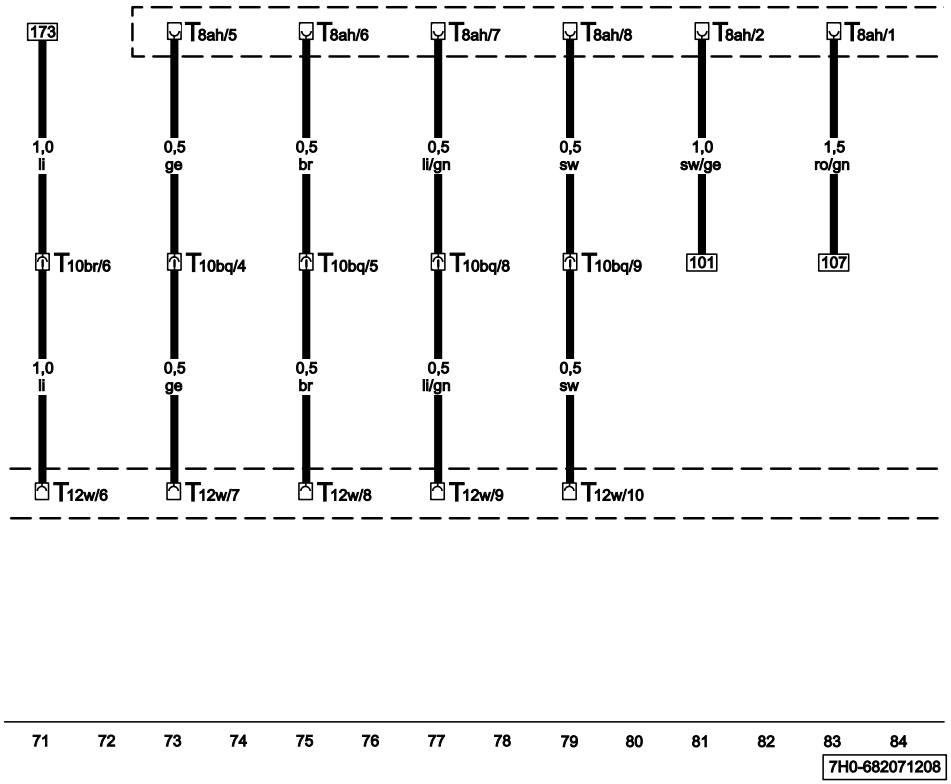


Special signals interface, third rotating light interface, front 'stop' command light interface

J519	Onboard supply control unit
T3ao	3-pin connector, black, third rotating light interface, under roof, near left D-pillar
T4aq	4-pin connector, black, front 'stop' command light interface, on air filter
T10bp	10-pin connector, green, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
X78	Connection 1, in optional equipment wiring harness

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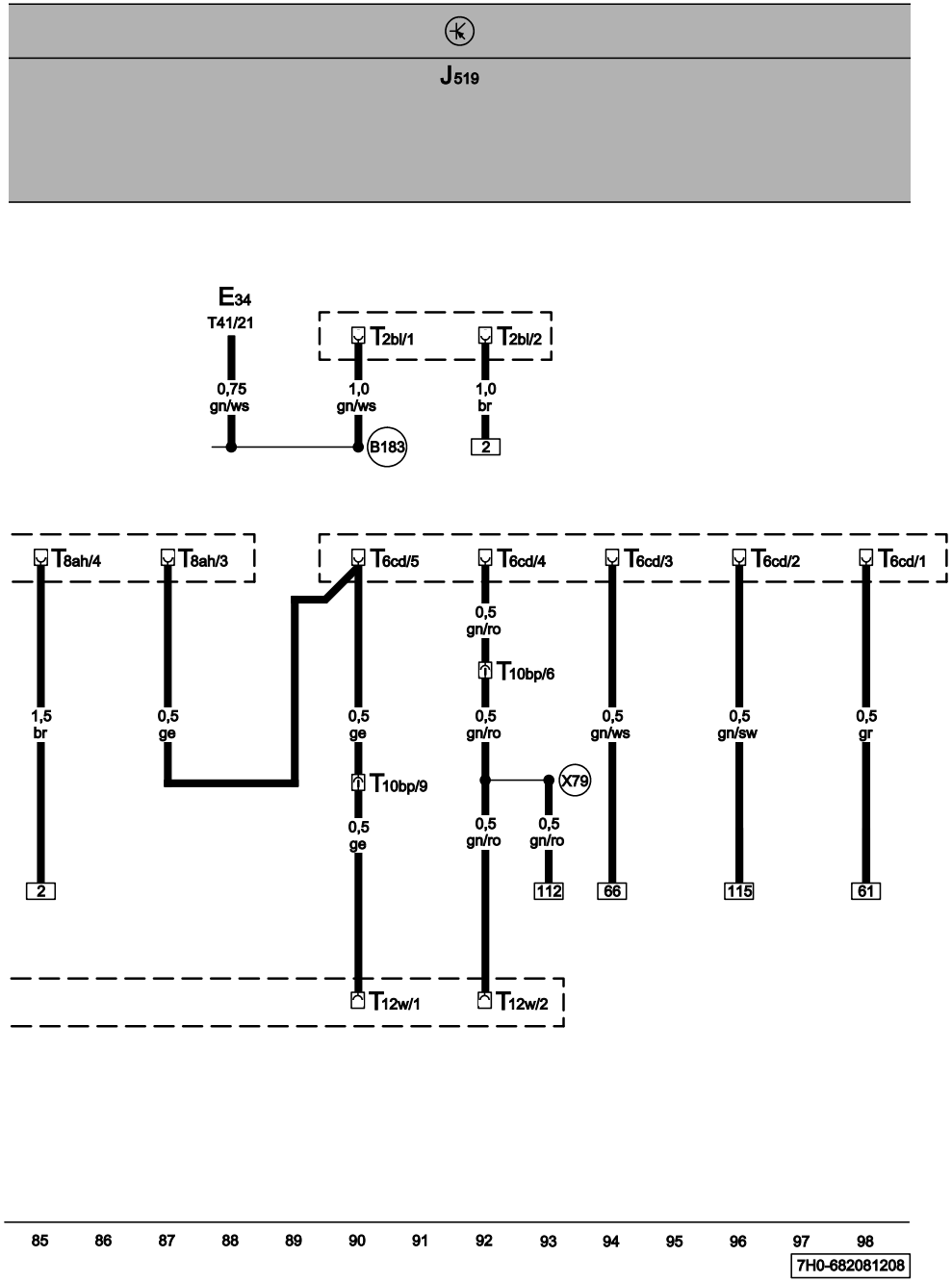




Special signals interface, loudspeaker and front LED speed camera interface

J519	Onboard supply control unit
T8ah	8-pin connector, black, loudspeaker/ front LED speed camera interface, on air filter
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar

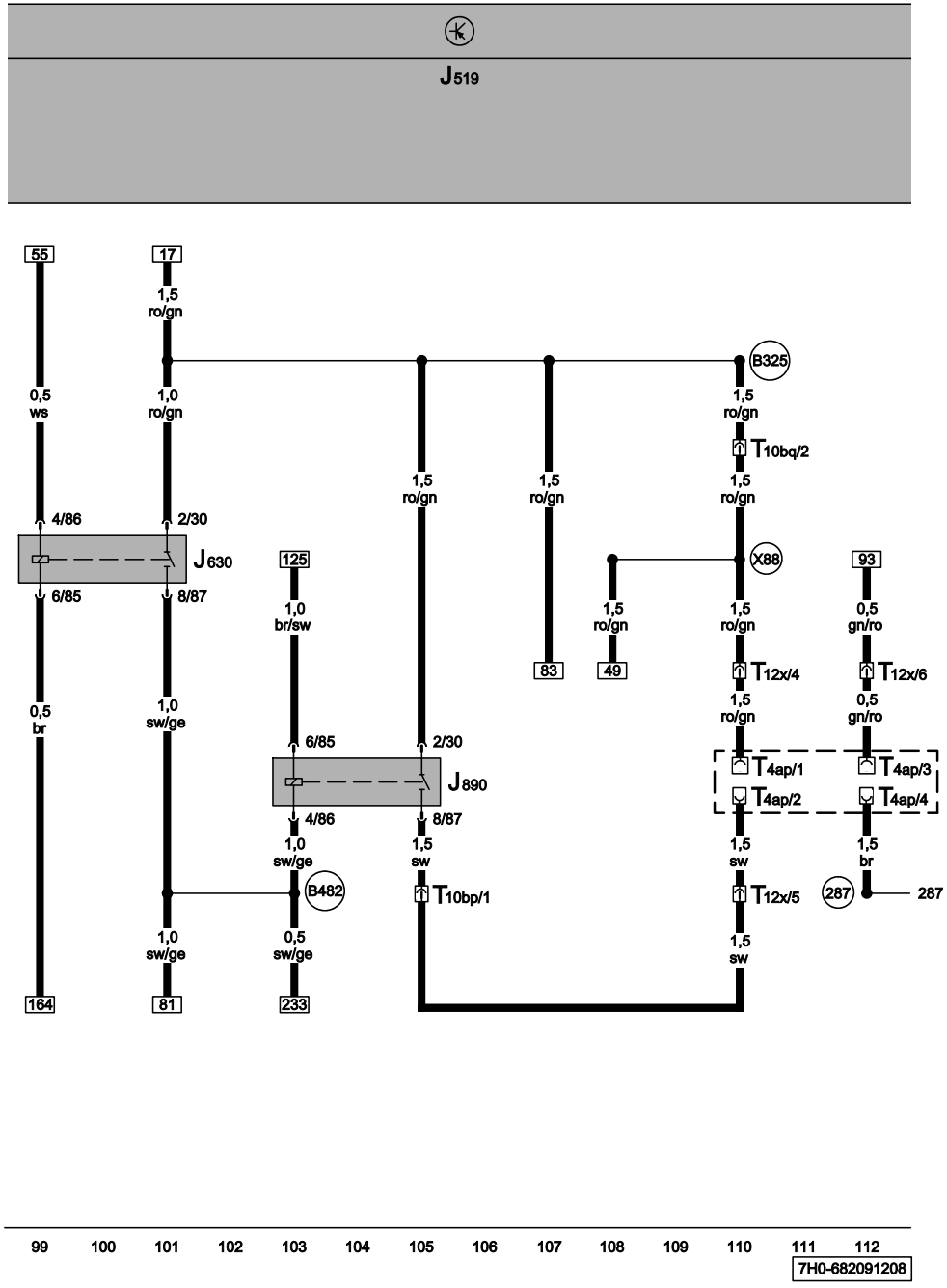
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br	=	brown
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bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Special signals interface, loudspeaker and front LED speed camera interface, warning lamps interface, rear wiper warning lamp interface

E34	Rear wiper switch
J519	Onboard supply control unit
T2bl	2-pin connector, black, rear wiper warning lamp interface
T6cd	6-pin connector, black, warning lamps interface
T8ah	8-pin connector, black, loudspeaker/ front LED speed camera interface, on air filter
T10bp	10-pin connector, green, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T41	41-pin connector
B183	Connection 1 (washer pump), in interior wiring harness
X79	Connection 2, in optional equipment wiring harness

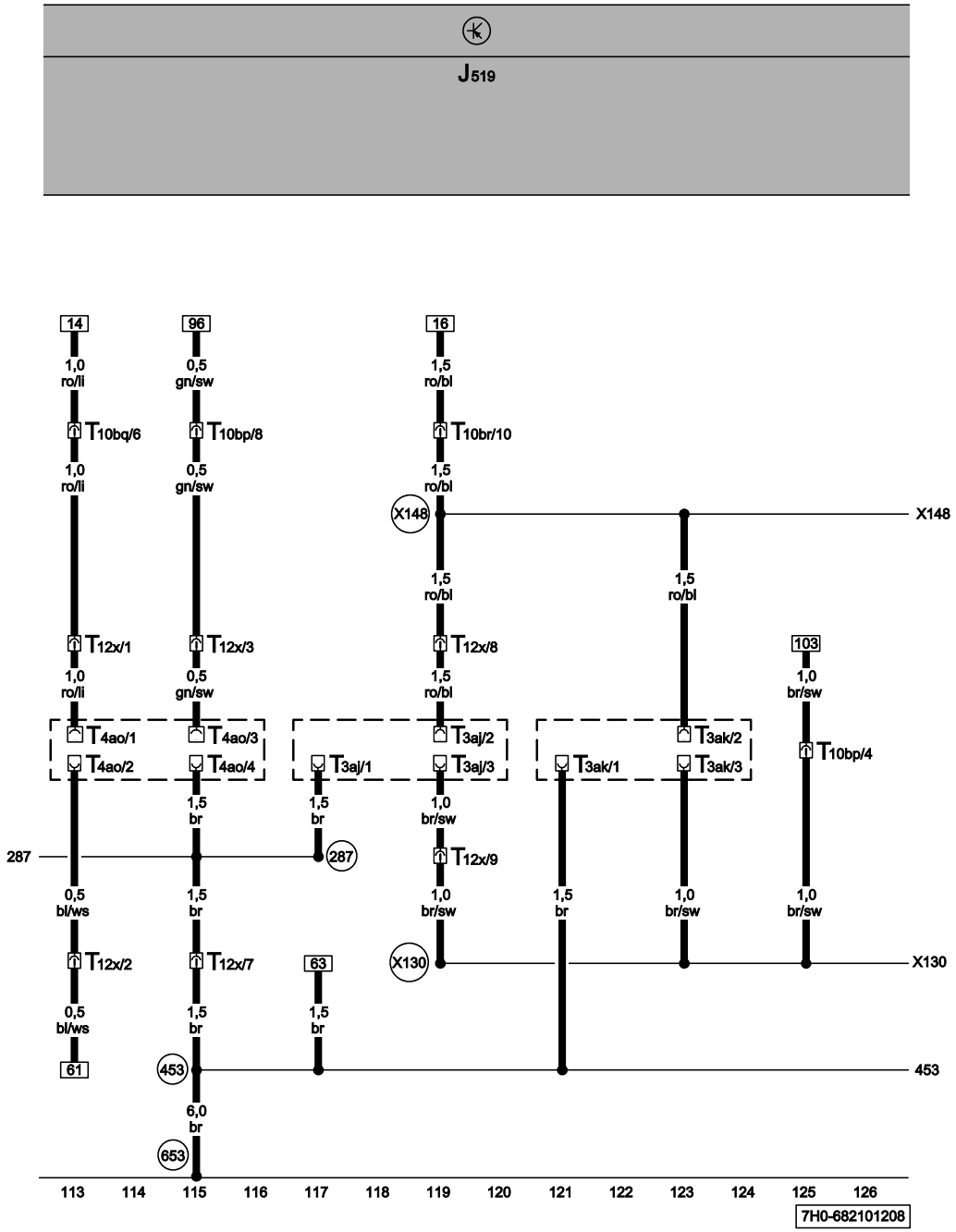
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Flashing lights relay, flashing lights relay 2, rear LED speed camera interface

J519	Onboard supply control unit
J630	Flashing lights relay
J890	Flashing lights relay 2
T4ap	4-pin connector, black, rear LED speed camera interface, in rear lid
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T12x	12-pin connector, brown, under roof, near left D-pillar
287	Earth connection, in rear lid feeder wiring harness
B325	Positive connection 11 (30a), in main wiring harness
B482	Connection 18 in main wiring harness
X88	Positive connection (30a, blue flashing light), in optional equipment wiring harness

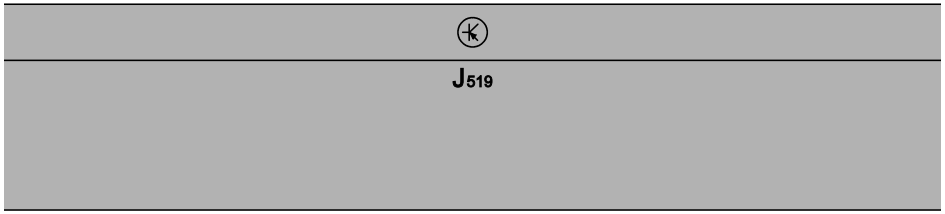
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rs	=	pink

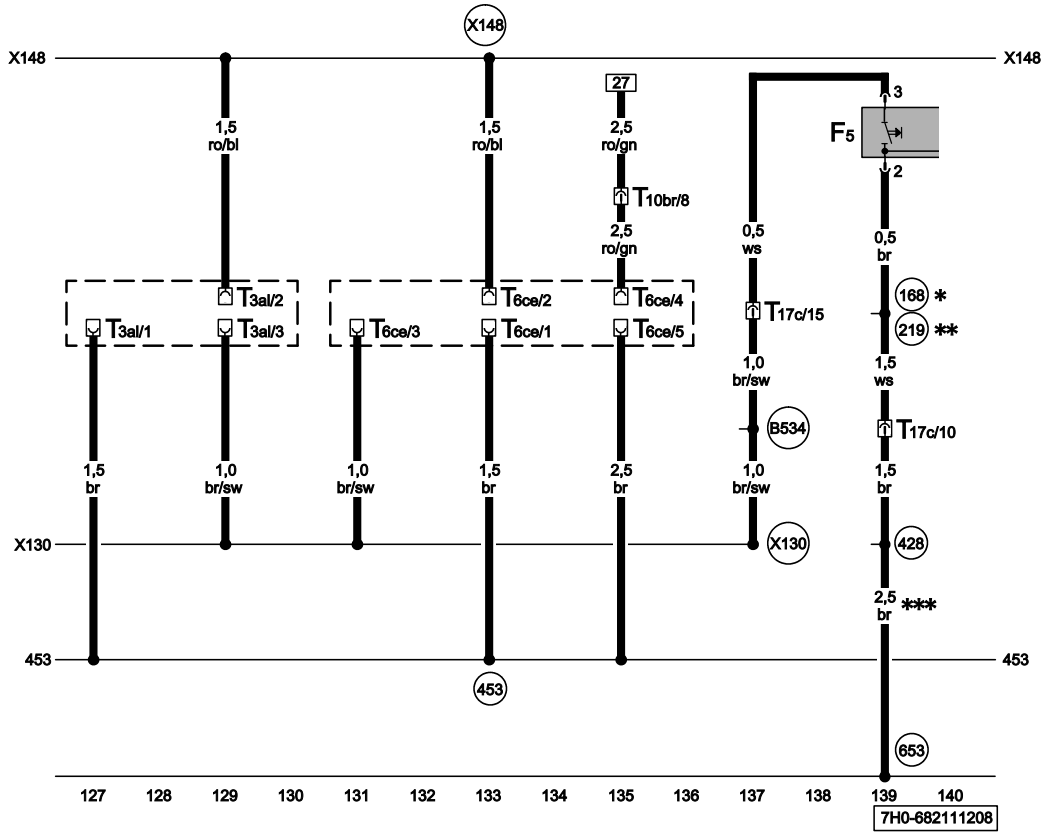


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear luggage compartment light interface, left bottom interior light interface, rear 'stop' command light interface

J519	Onboard supply control unit
T3aj	3-pin connector, black, rear luggage compartment light interface, in rear lid
T3ak	3-pin connector, black, left bottom interior light interface, on wheel arch
T4ao	4-pin connector, black, rear 'stop' command light interface, in rear lid
T10bp	10-pin connector, green, coupling station under driver seat
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12x	12-pin connector, brown, under roof, near left D-pillar
287	Earth connection, in rear lid feeder wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness

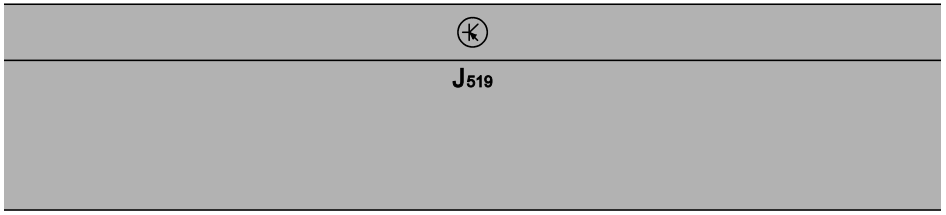


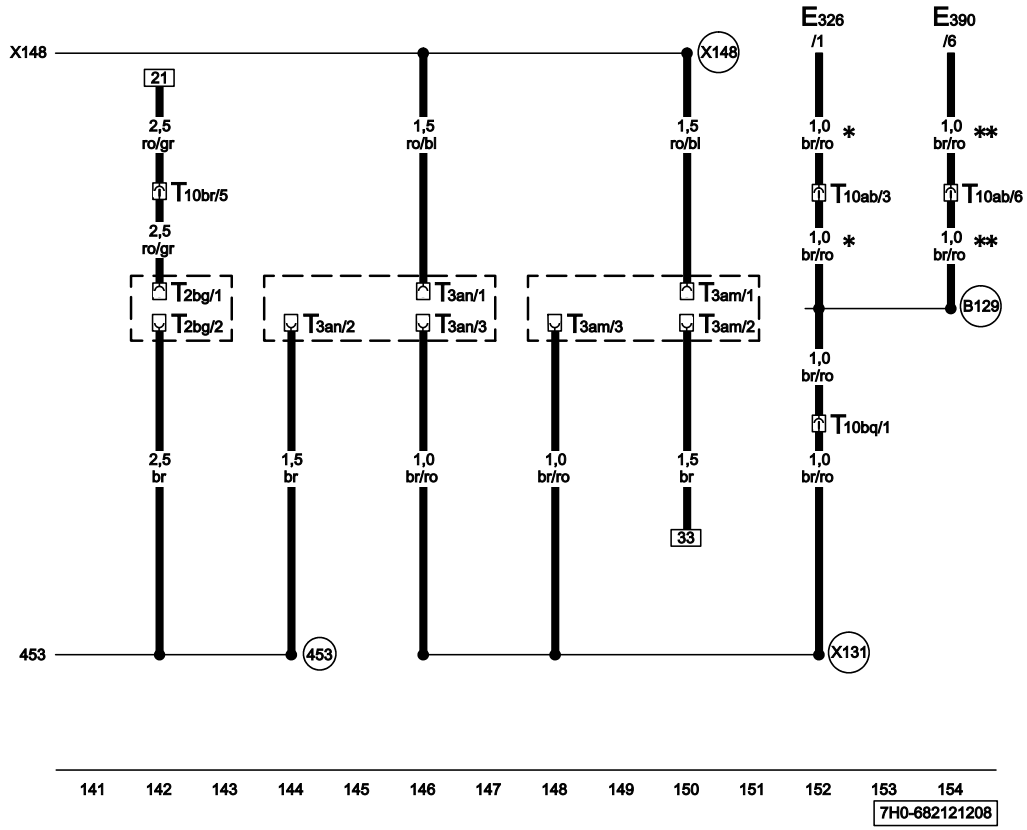


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear interior light interface, interior light/ socket interface, luggage compartment light switch

F5	Luggage compartment light switch
J519	Onboard supply control unit
T3al	3-pin connector, black, rear interior light interface, under roof, between C-pillar and left D-pillar
T6ce	6-pin connector, black, interior light/ socket interface, on lower part of right D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
B534	Connection 1 (luggage compartment switch), in roof wiring harness
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models with rear wing doors only
**	for models with rear lid only
***	cross-section depends on equipment

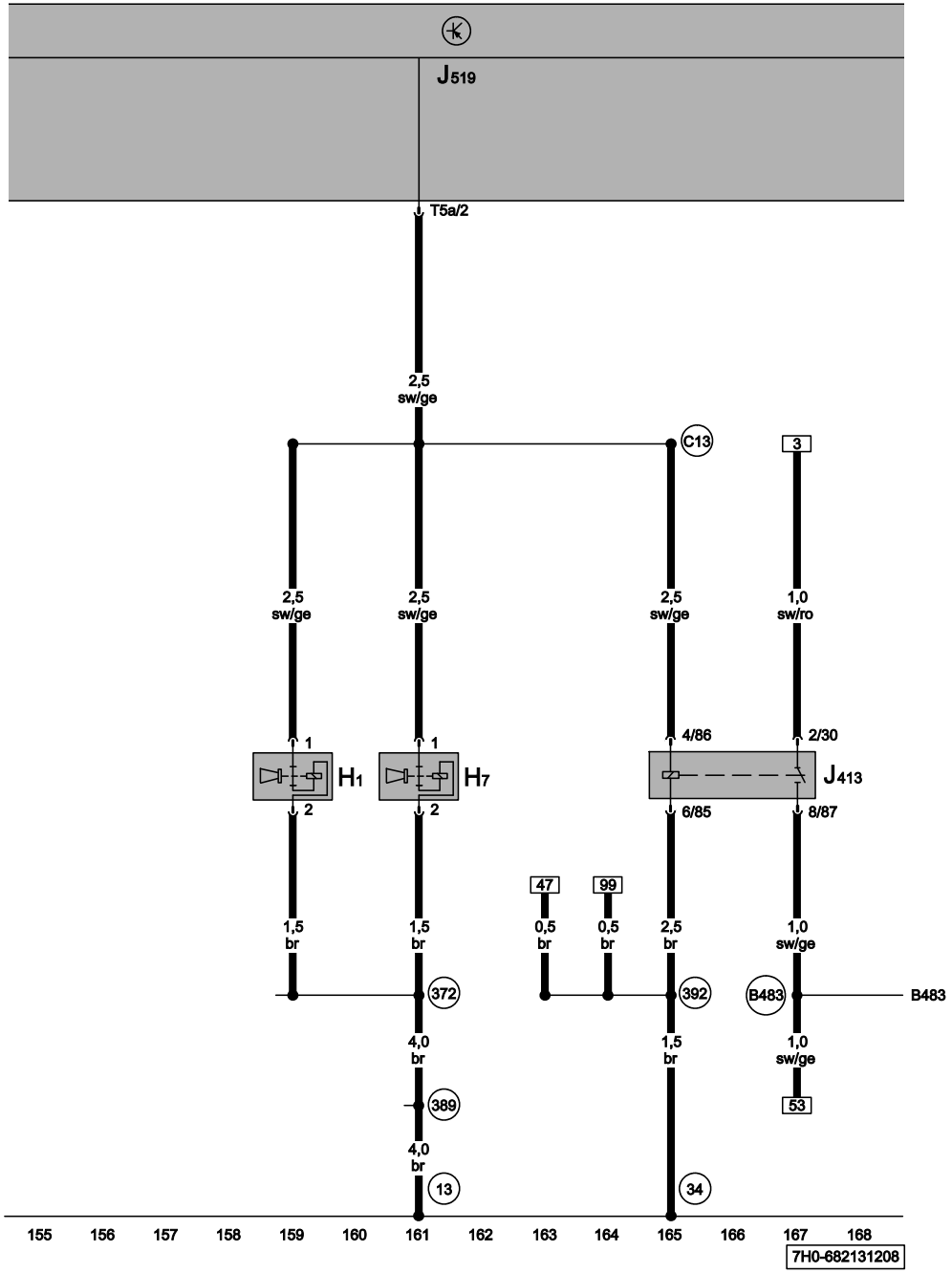




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left socket interface, interior light 1 on table interface, interior light 2 on table interface

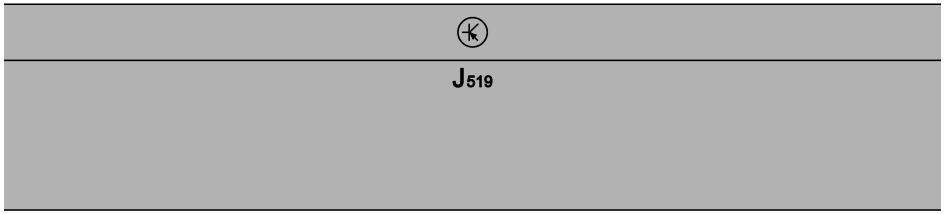
E326	Front interior light button
E390	Interior lighting central switch button
J519	Onboard supply control unit
T2bg	2-pin connector, black, rear left socket interface, on wheel arch
T3am	3-pin connector, black, interior light 1 on table interface, under roof, between B-pillar and left C-pillar
T3an	3-pin connector, black, interior light 2 on table interface, under roof, near left C-pillar
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
453	Earth connection 3, in optional equipment wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
X131	Connection 4, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models without roof console only ⇒ interior lights Current Flow Diagram
**	for models with roof console only ⇒ interior lights Current Flow Diagram

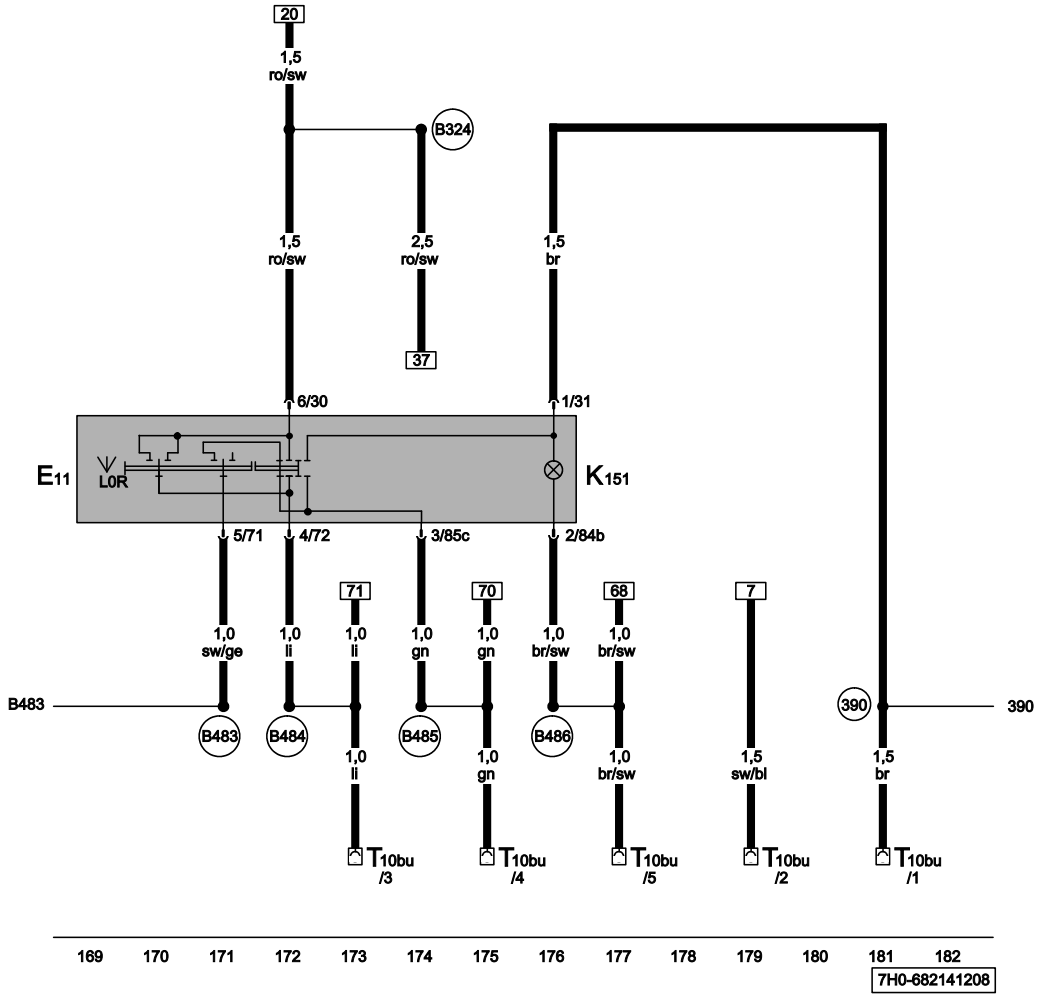


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Horn or dual tone horn, horn relay

H1	Horn or dual tone horn
H7	Bass tone horn
J413	Horn relay
J519	Onboard supply control unit
T5a	5-pin connector, brown
13	Earth point, on right in engine compartment
34	Earth point, under driver seat
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
392	Earth connection 27, in main wiring harness
B483	Connection 19 in main wiring harness
C13	Positive connection in dual tone horn wiring harness

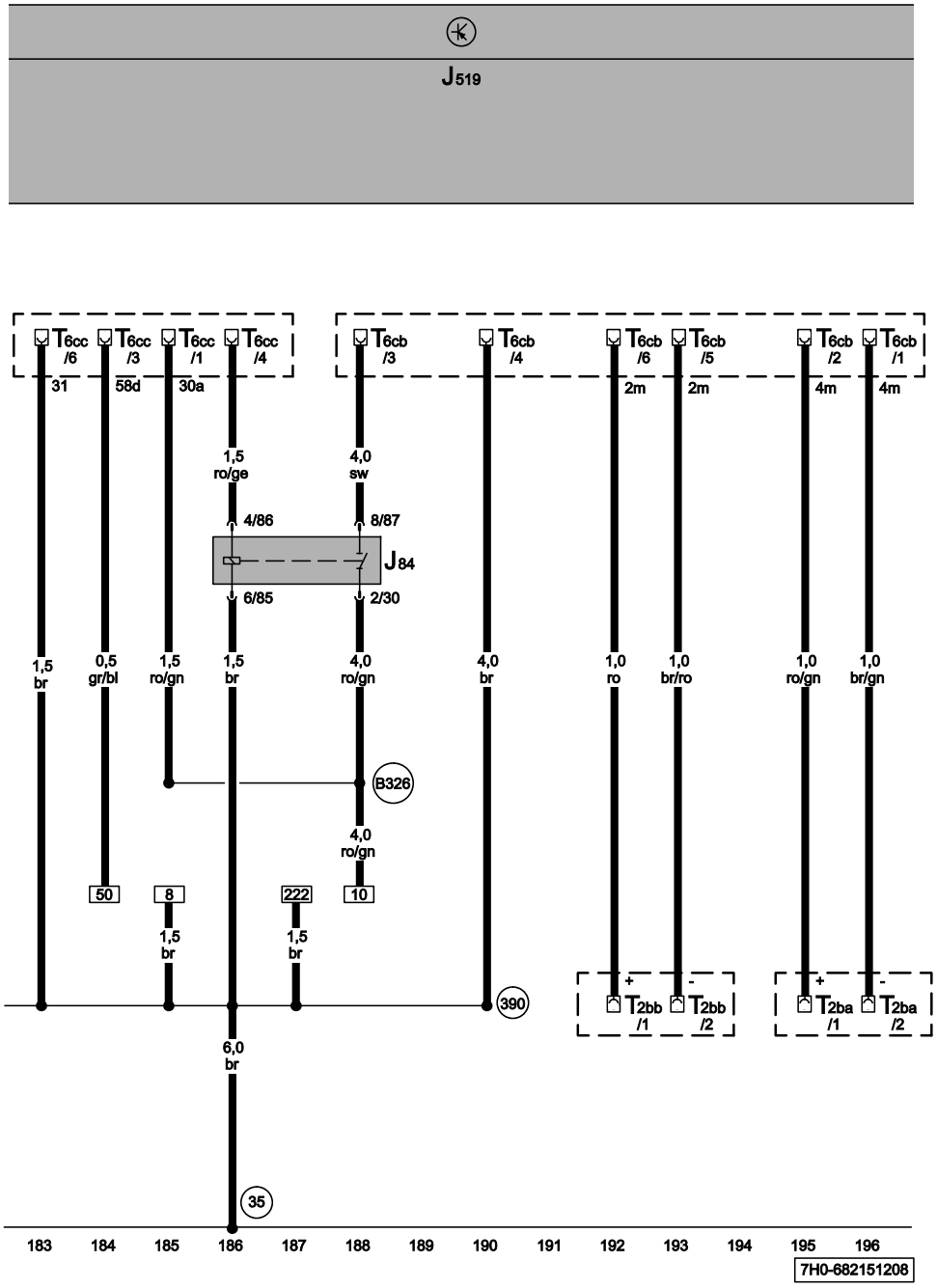




Rotating light and siren system switch, left rotating light warning lamp, flashlight interface

E11	Rotating light and siren system switch
J519	Onboard supply control unit
K151	Left rotating light warning lamp
T10bu	10-pin connector, blue, flashlight interface, under driver seat
390	Earth connection 25, in main wiring harness
B324	Positive connection 10 (30a), in main wiring harness
B483	Connection 19 in main wiring harness
B484	Connection 20 in main wiring harness
B485	Connection 21 in main wiring harness
B486	Connection 22 in main wiring harness

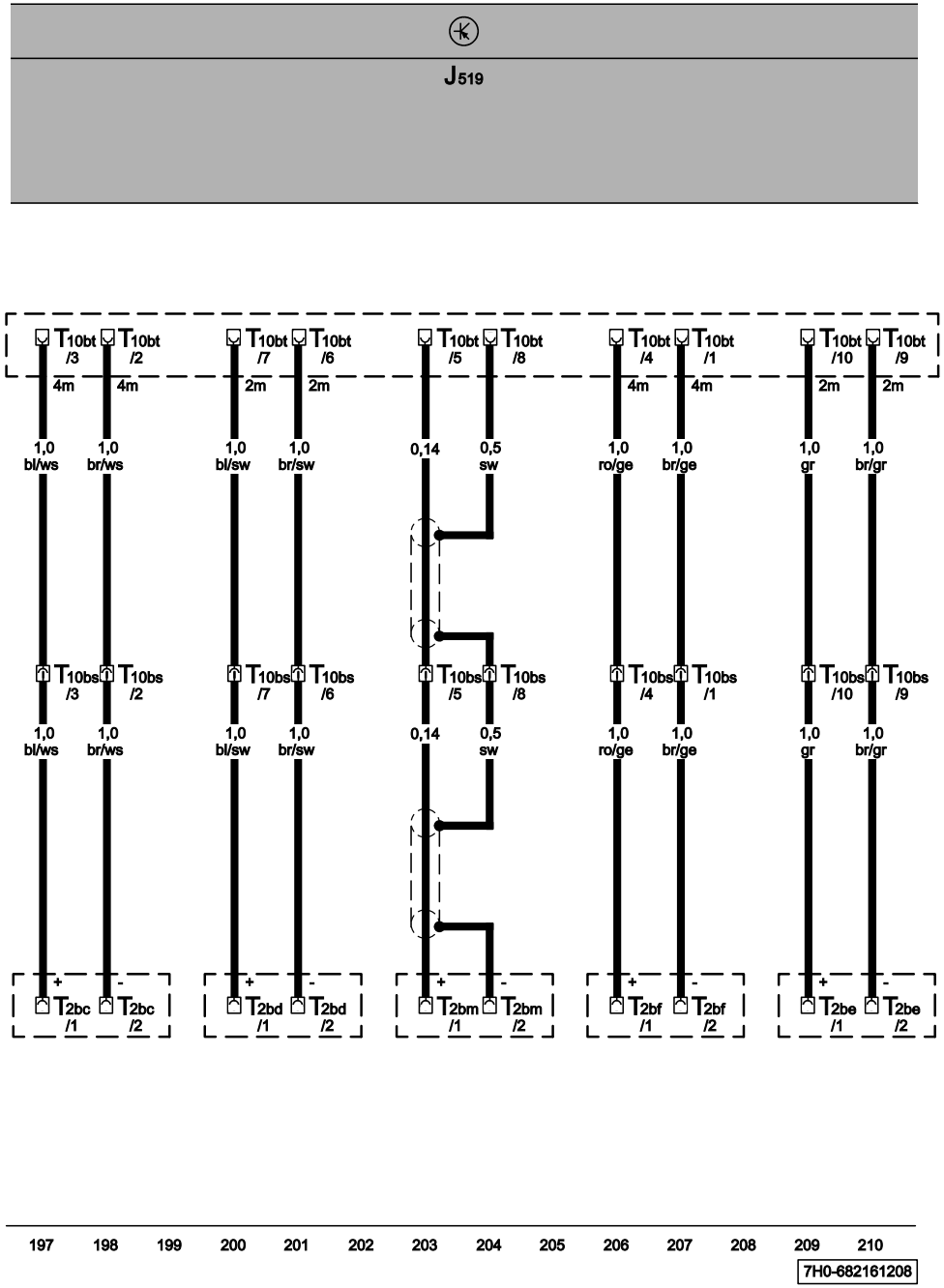
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
or	=	orange
rs	=	pink



Two-way radio interface, front loudspeaker interface, two-way radio switch interface, two-way radio cut-off relay

J84	Two-way radio cut-off relay
J519	Onboard supply control unit
T2ba	2-pin connector, black, front loudspeaker interface, in right dash panel
T2bb	2-pin connector, black, front loudspeaker interface, in left dash panel
T6cb	6-pin connector, black, two-way radio interface, under front passenger seat
T6cc	6-pin connector, black, 2-way radio switch interface
35	Earth point, under front passenger seat
390	Earth connection 25, in main wiring harness
B326	Positive connection 12 (30a), in main wiring harness

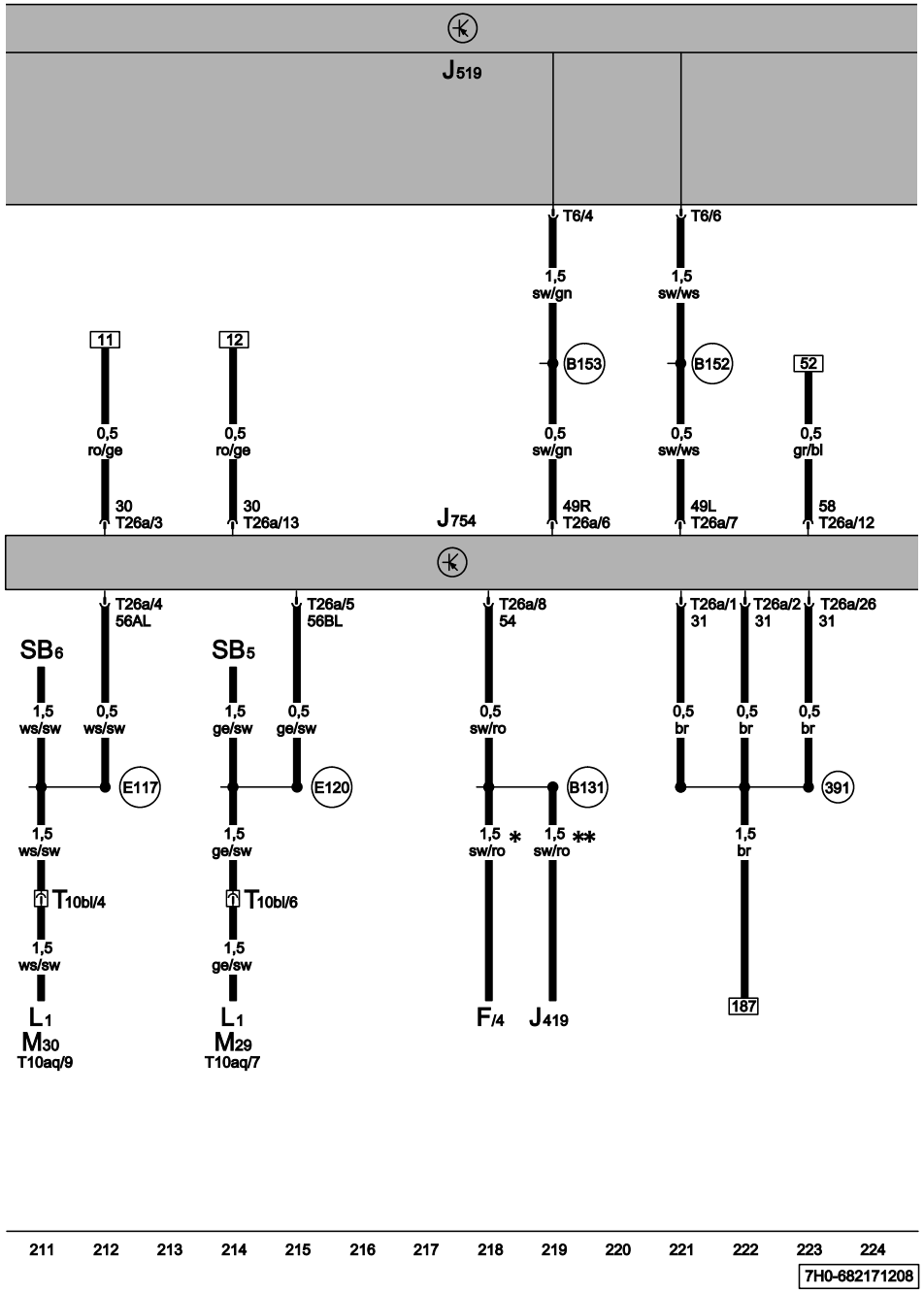
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Two-way radio interface, middle loudspeaker interface, rear loudspeaker interface, microphone interface

J519	Onboard supply control unit
T2bc	2-pin connector, black, middle loudspeaker interface, under roof, near right B-pillar
T2bd	2-pin connector, black, middle loudspeaker interface, under roof, near left B-pillar
T2be	2-pin connector, black, rear loudspeaker interface, under roof, between B-pillar and left C-pillar
T2bf	2-pin connector, black, rear loudspeaker interface, under roof, between B-pillar and right C-pillar
T2bm	2-pin connector, black, microphone interface, on interior light
T10bs	10-pin connector, dark brown, coupling station under driver seat
T10bt	10-pin connector, dark brown, two-way radio interface, under front passenger seat

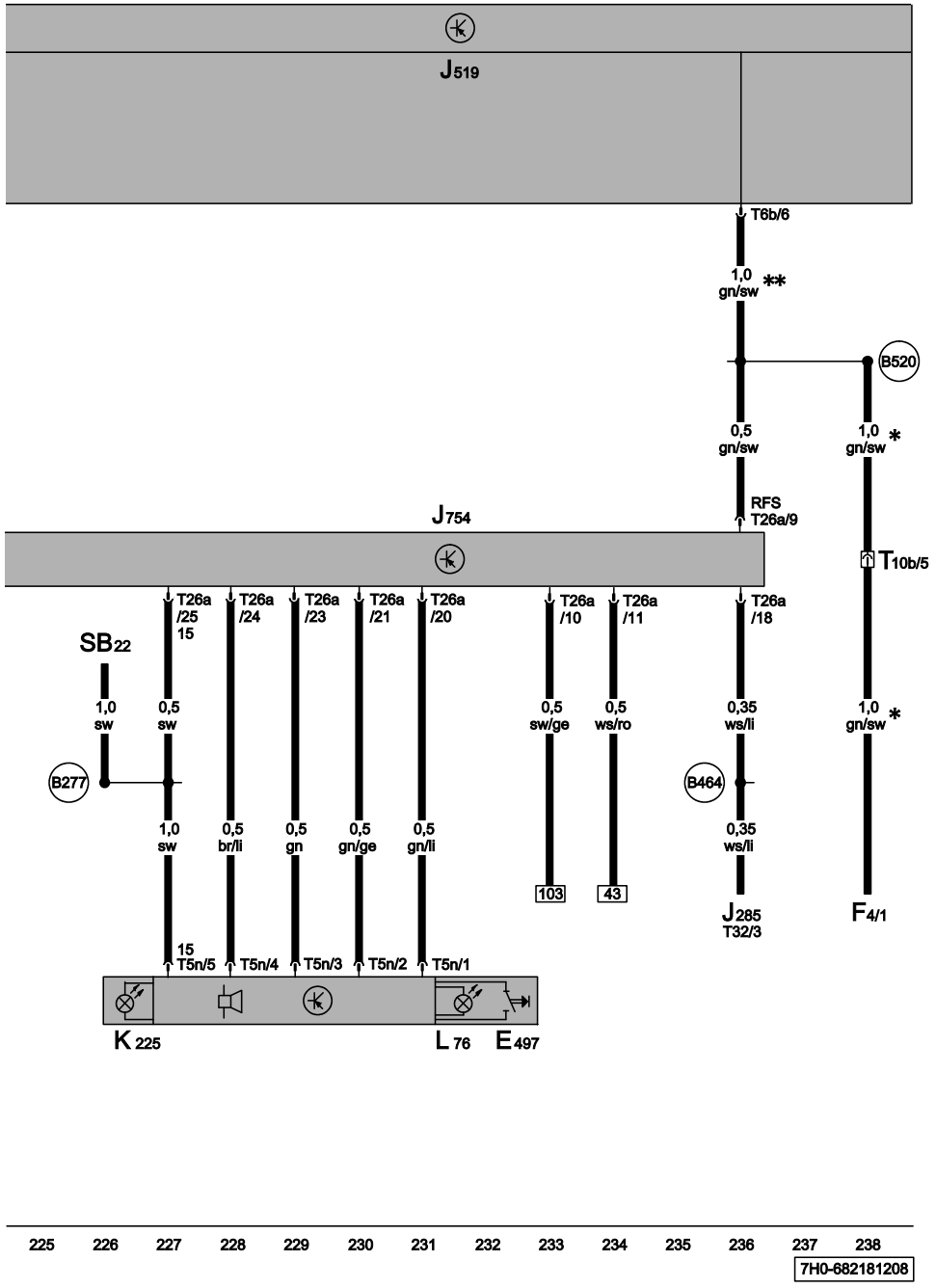
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Accident data memory

F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
J754	Accident data memory
L1	Left headlight twin filament bulb
M29	Left dipped beam bulb
M30	Left main beam bulb
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
T6	6-pin connector, black
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
T26a	26-pin connector, black, under front passenger seat
391	Earth connection 26, in main wiring harness
B131	Connection (54), in interior wiring harness
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
*	for models with ABS and without ESP only
**	for models with ABS and ESP only ⇒ ABS Current Flow Diagram

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Accident data recorder, accident data recorder button, accident recorder warning lamp, button illumination bulb

E497	Accident data recorder button
F4	Reversing light switch
J285	Control unit in dash panel insert
J519	Onboard supply control unit
J754	Accident data memory
K225	Accident recorder warning lamp
L76	Button illumination bulb
SB22	Fuse 22 on fuse holder B
T5n	5-pin connector, black
T6b	6-pin connector, red
T10b	10-pin connector, red, coupling station on electronics box, in engine compartment
T26a	26-pin connector, black, under front passenger seat
T32	32-pin connector, blue
B277	Positive connection 1 (15a), in main wiring harness
B464	Connection (speed signal), in main wiring harness
B520	Connection (RL), in main wiring harness
*	for models with manual gearbox only
**	for models with automatic gearbox (G1A) only

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rs	=	pink

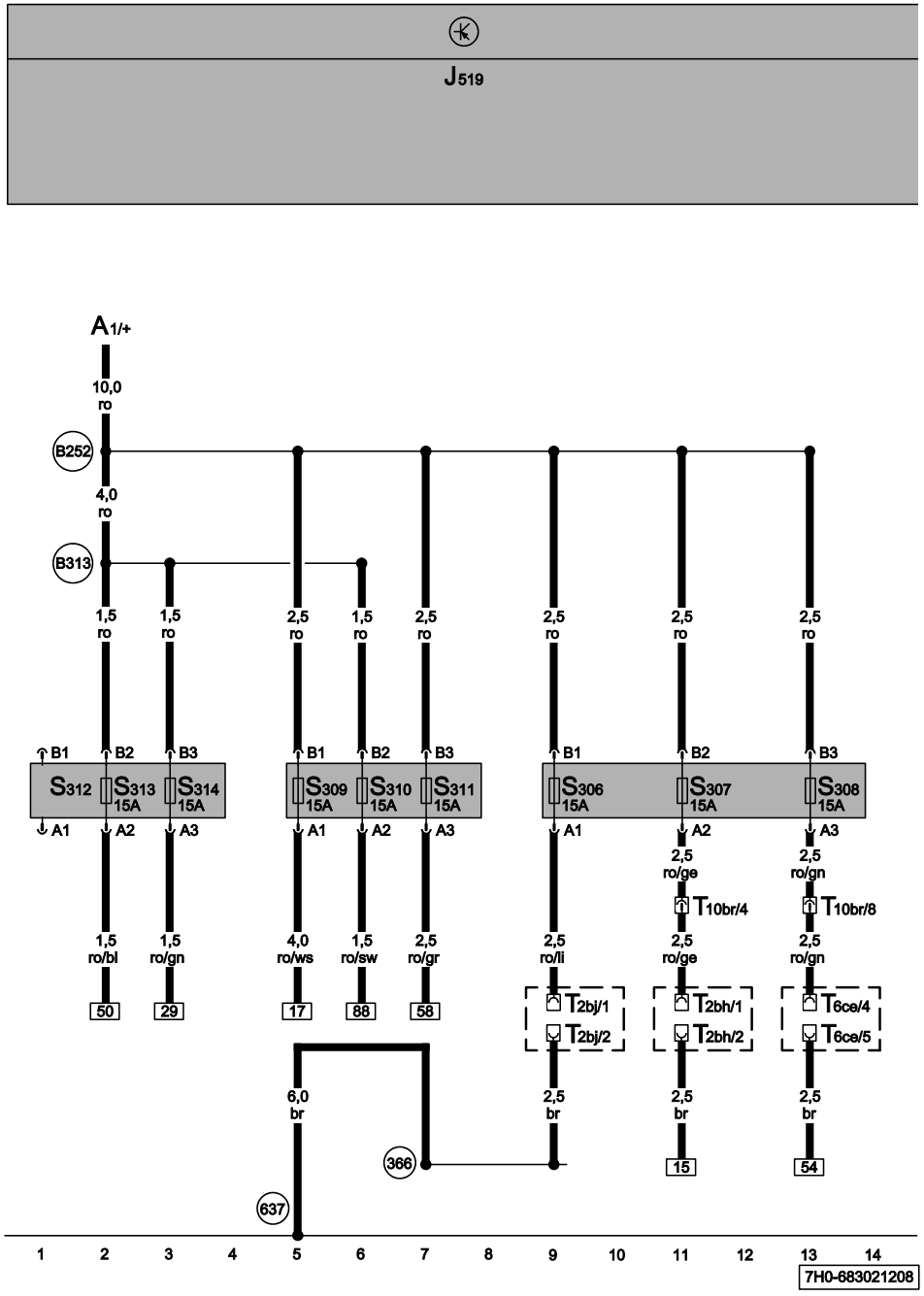
Optimal equipment, police (UF4)

⇒ **Radio system**
⇒ **Special signal system**
⇒ **Accident data memory**
from June 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

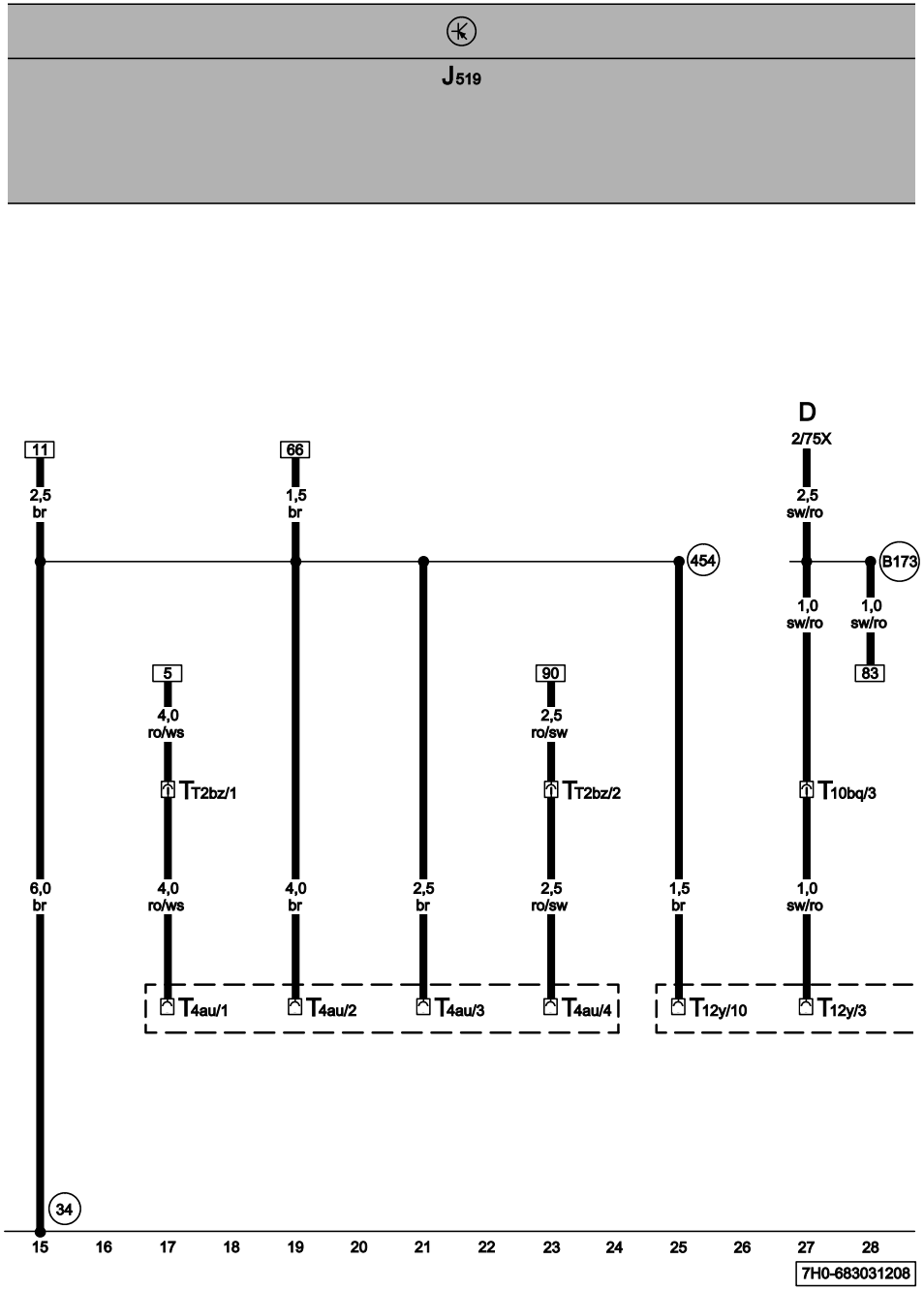
⇒ guided fault finding



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bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, socket on table interface, front socket interface, interior light/ socket interface

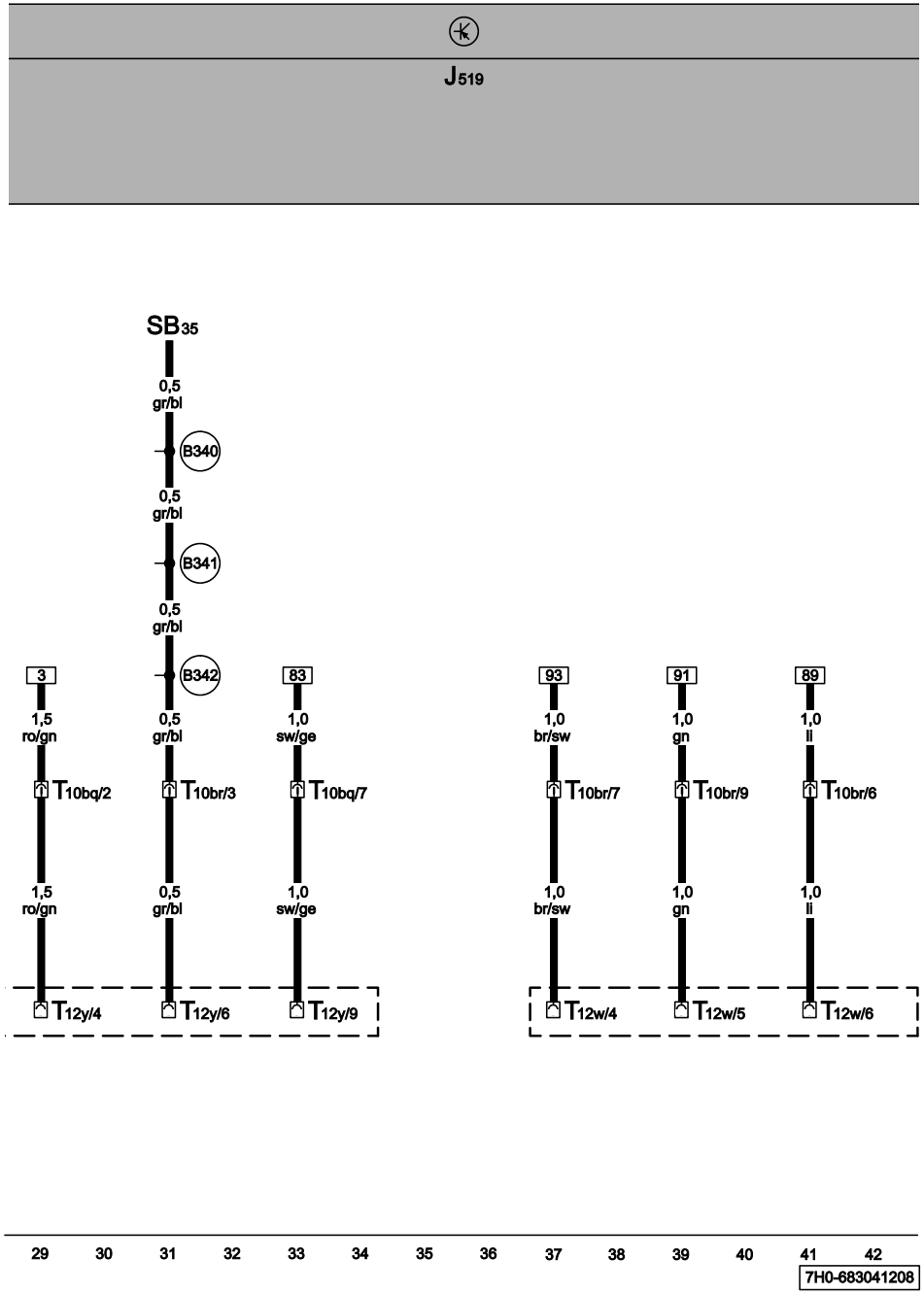
A1	Second battery
J519	Onboard supply control unit
S306	Special vehicle fuse 16
S307	Special vehicle fuse 17
S308	Special vehicle fuse 18
S309	Special vehicle fuse 19
S310	Special vehicle fuse 20
S311	Special vehicle fuse 21
S312	Special vehicle fuse 22
S313	Special vehicle fuse 23
S314	Special vehicle fuse 24
T2bh	2-pin connector, black, socket on table interface, on lower part of left C-pillar
T2bj	2-pin connector, black, front socket interface, in centre dash panel
T6ce	6-pin connector, black, interior light/ socket interface, on lower part of right D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
366	Earth connection 1, in main wiring harness
637	Earth point, airbag control unit
B252	Positive connection (30, police), in interior wiring harness
B313	Positive connection 17 (30), in main wiring harness



Special signals interface

D	Ignition/starter switch
J519	Onboard supply control unit
T2bz	2-pin connector, black, coupling station, under driver seat
T4au	4-pin connector, black, special signals interface, under roof, near left B-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
34	Earth point, under driver seat
454	Earth connection 4, in optional equipment wiring harness
B173	Positive connection 2 (X), in interior wiring harness

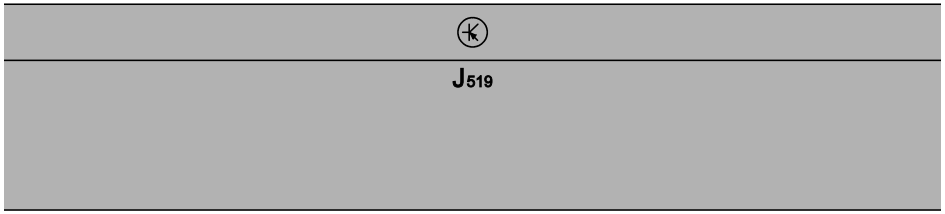
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

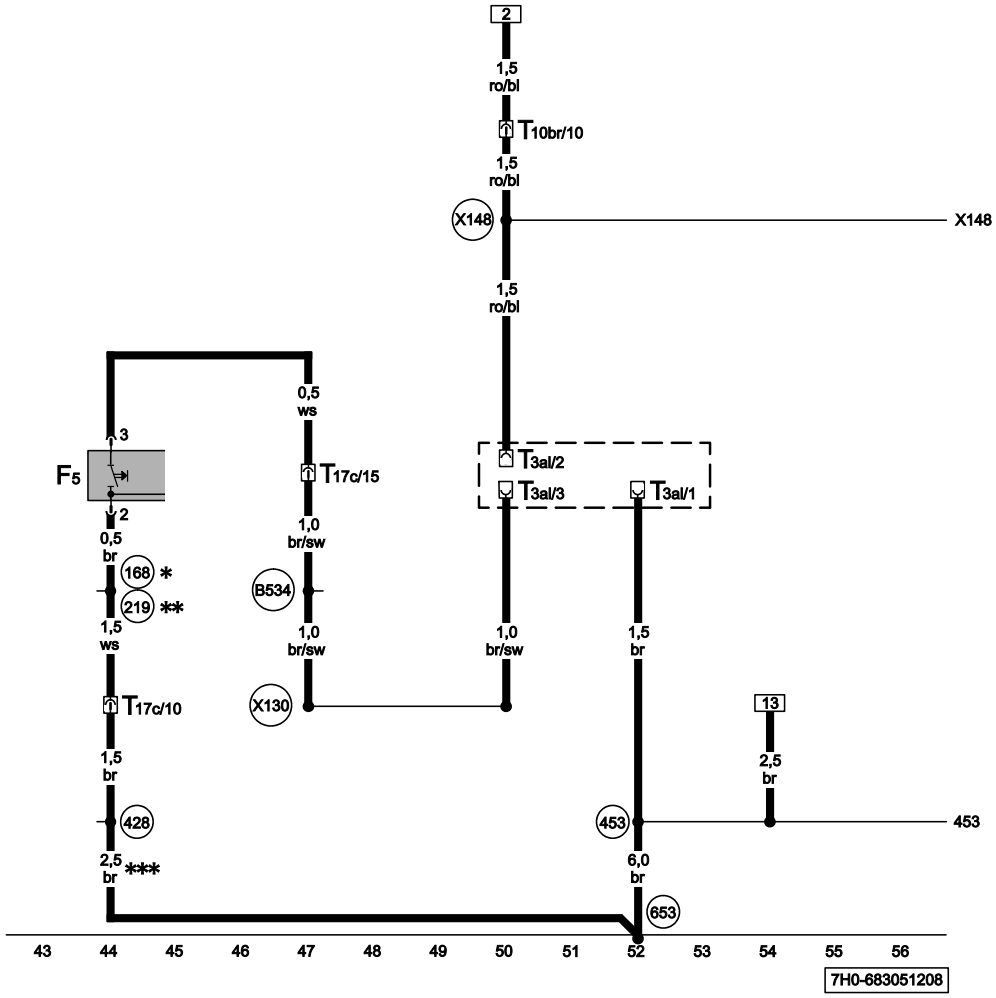


Special signals interface

J519	Onboard supply control unit
SB35	Fuse 35 on fuse holder B
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
T12w	12-pin connector, black, special signals interface, under roof, near left B-pillar
T12y	12-pin connector, black, special signals interface, under roof, near left B-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B342	Connection 3 (58d), in main wiring harness

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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

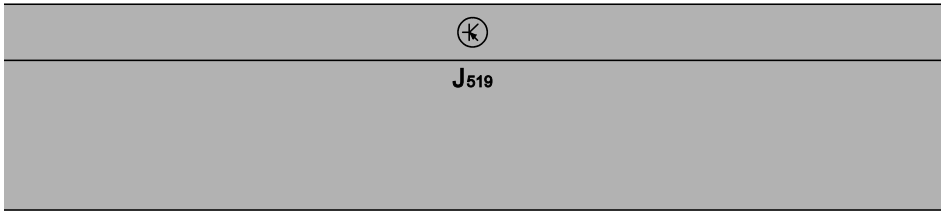


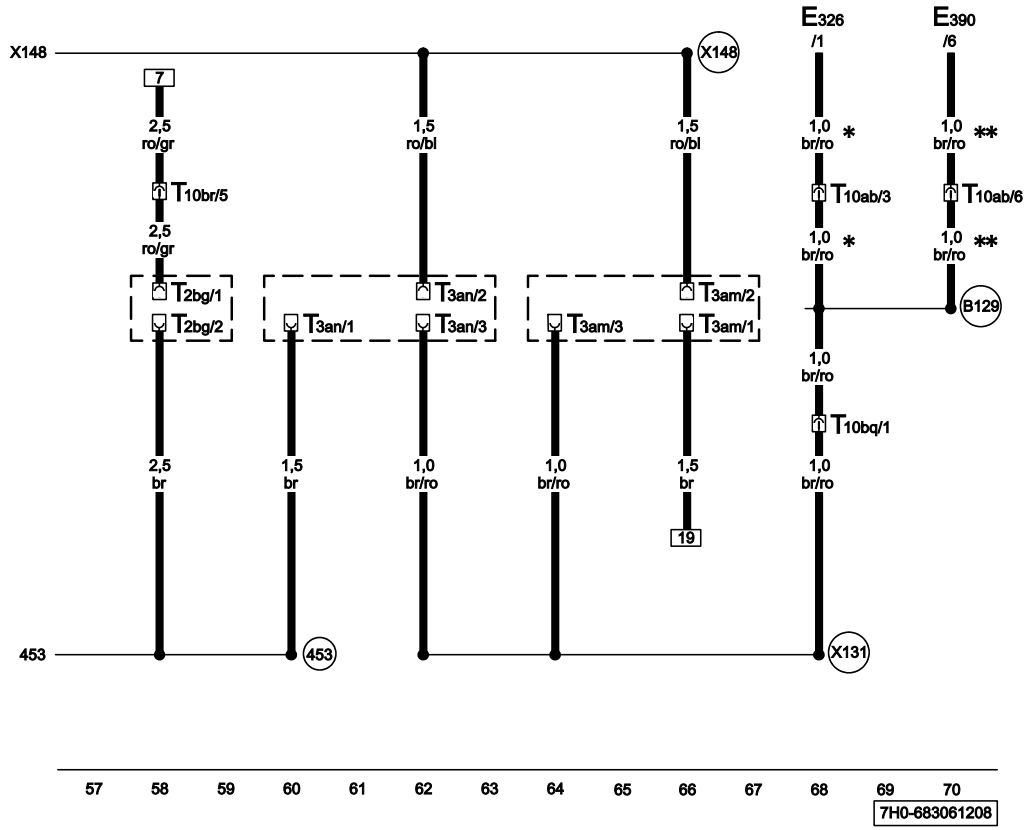


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear interior light interface, luggage compartment light switch

F5	Luggage compartment light switch
J519	Onboard supply control unit
T3al	3-pin connector, black, rear interior light interface, under roof, between C-pillar and left D-pillar
T10br	10-pin connector, blue, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
453	Earth connection 3, in optional equipment wiring harness
653	Earth point, left D-pillar
B534	Connection 1 (luggage compartment switch), in roof wiring harness
X130	Connection 3, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models with rear wing doors only
**	for models with rear lid only
***	cross-section depends on equipment

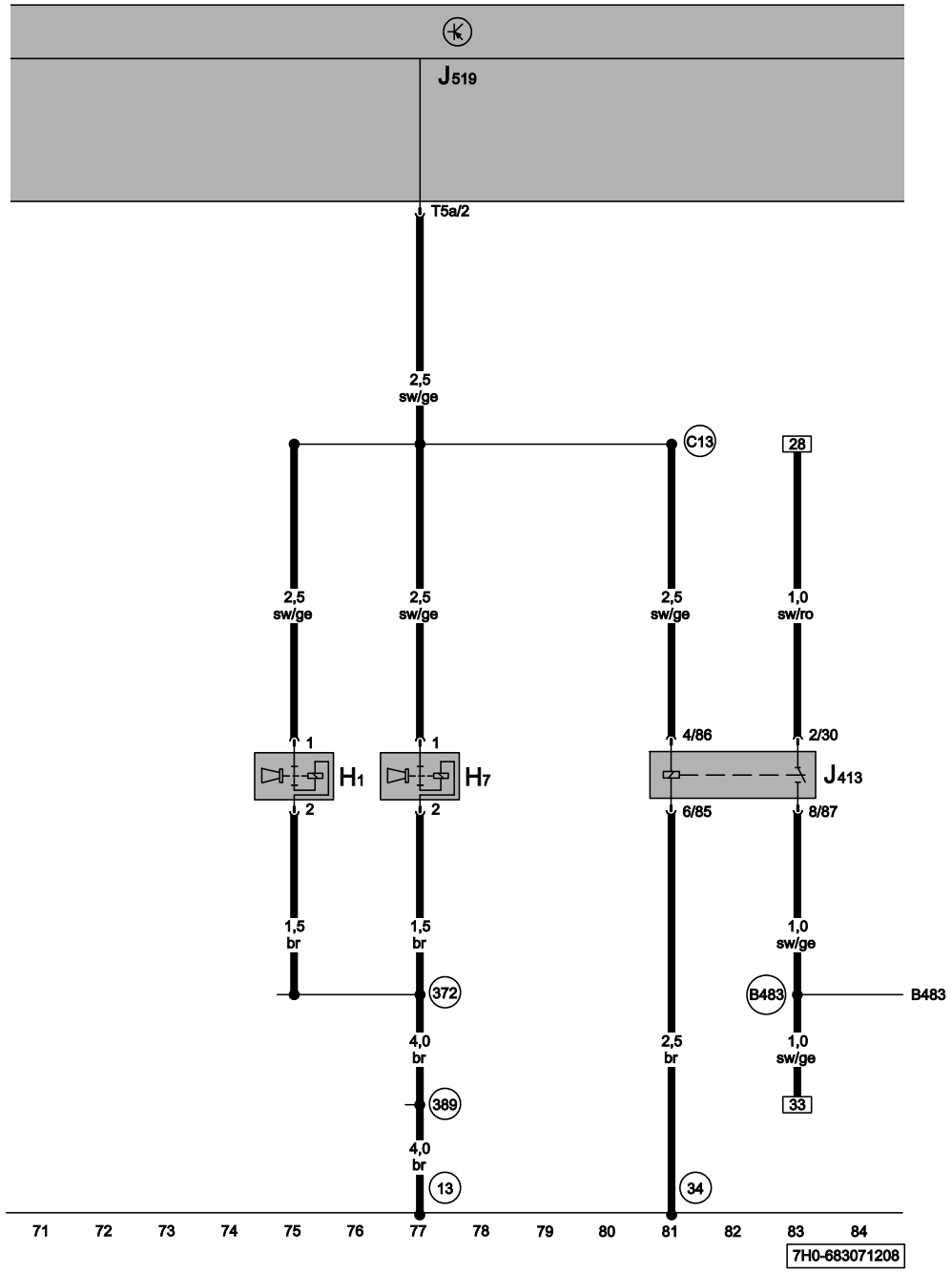




ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Rear left socket interface, interior light 1 on table interface, interior light 2 on table interface

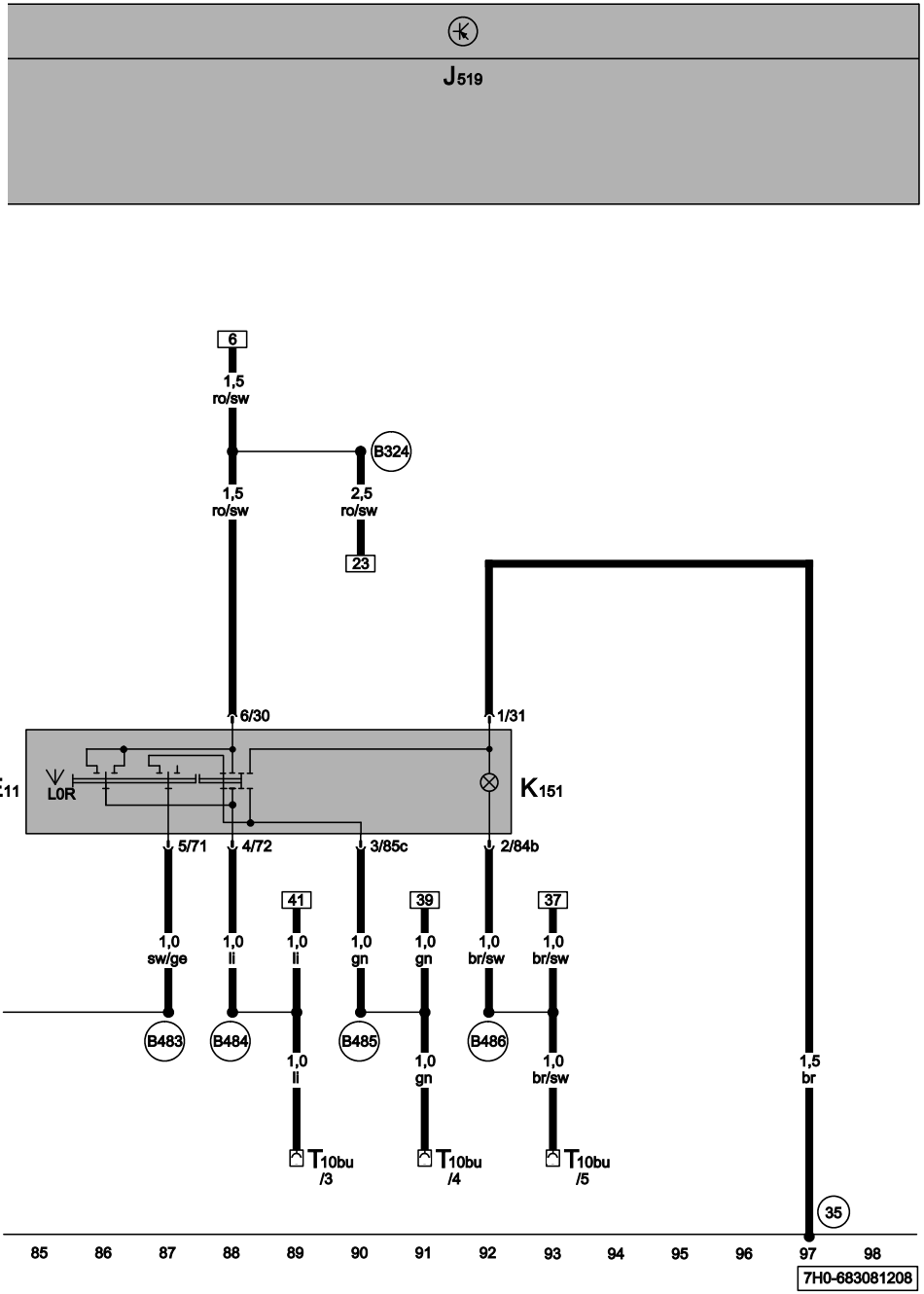
E326	Front interior light button
E390	Interior lighting central switch button
J519	Onboard supply control unit
T2bg	2-pin connector, black, rear left socket interface, on wheel arch
T3am	3-pin connector, black, interior light 1 on table interface, under roof, between B-pillar and left C-pillar
T3an	3-pin connector, black, interior light 2 on table interface, under roof, near left C-pillar
T10ab	10-pin connector, white, coupling station on left of A-pillar
T10bq	10-pin connector, orange, coupling station under driver seat
T10br	10-pin connector, blue, coupling station under driver seat
453	Earth connection 3, in optional equipment wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
X131	Connection 4, in optional equipment wiring harness
X148	Positive connection 7 (30), in optional equipment wiring harness
*	for models without roof console only ⇒ interior lights Current Flow Diagram
**	for models with roof console only ⇒ interior lights Current Flow Diagram



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Horn or dual tone horn, horn relay

H1	Horn or dual tone horn
H7	Bass tone horn
J413	Horn relay
J519	Onboard supply control unit
T5a	5-pin connector, brown
13	Earth point, on right in engine compartment
34	Earth point, under driver seat
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B483	Connection 19 in main wiring harness
C13	Positive connection in dual tone horn wiring harness



Flashlight interface, rotating light and siren system switch, left rotating light warning lamp

E11	Rotating light and siren system switch
J519	Onboard supply control unit
K151	Left rotating light warning lamp
T10bu	10-pin connector, blue, flashlight interface, under driver seat
35	Earth point, under front passenger seat
B324	Positive connection 10 (30a), in main wiring harness
B483	Connection 19 in main wiring harness
B484	Connection 20 in main wiring harness
B485	Connection 21 in main wiring harness
B486	Connection 22 in main wiring harness

ws	=	white
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ro	=	red
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gn	=	green
bl	=	blue
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li	=	purple
ge	=	yellow
or	=	orange
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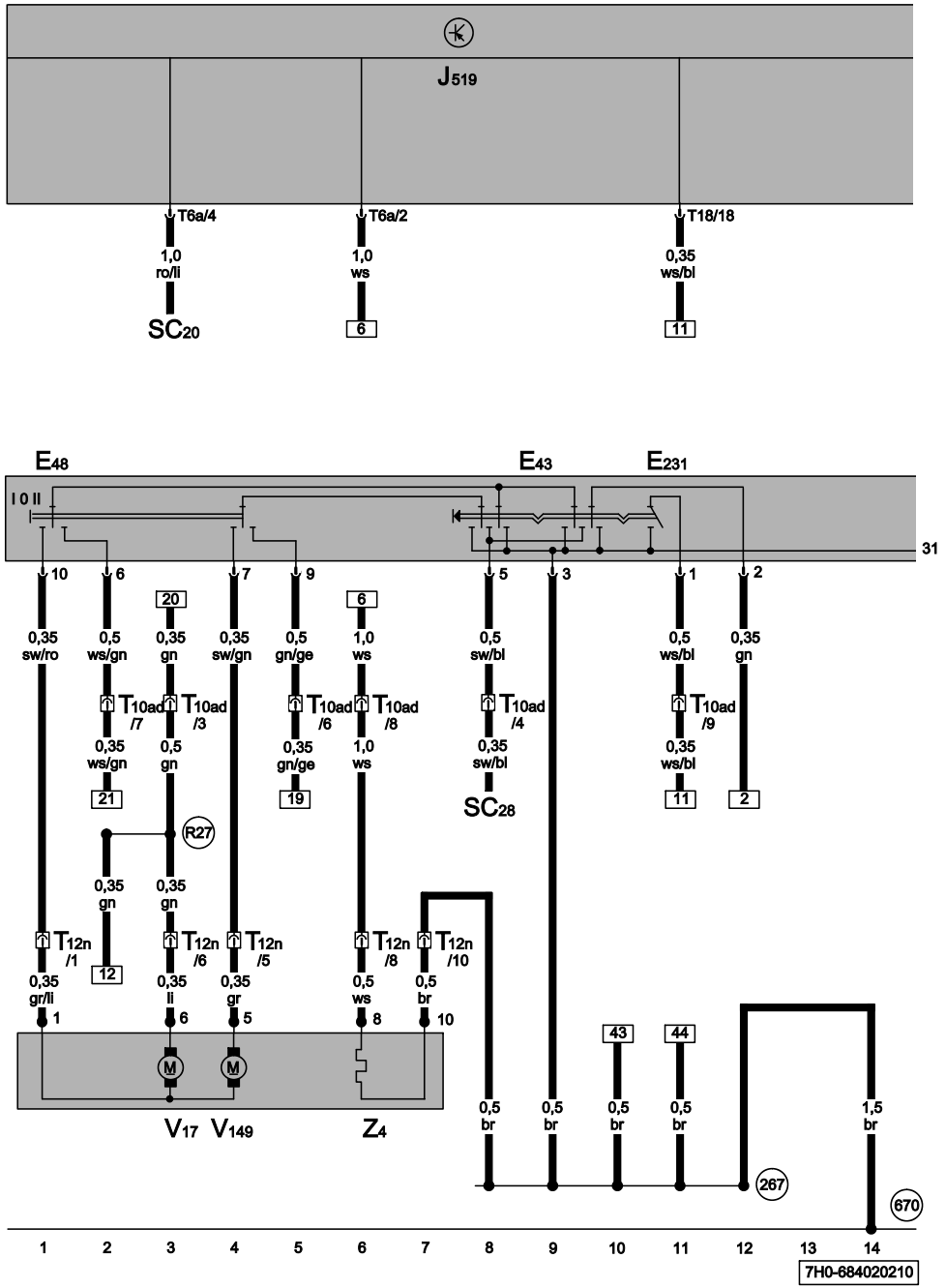
Convenience system, without electric window regulator

⇒ **Electrically adjustable and heated exterior mirrors**
⇒ **Anti-theft alarm system with interior monitoring**
⇒ **Central locking with remote control**
from November 2007

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

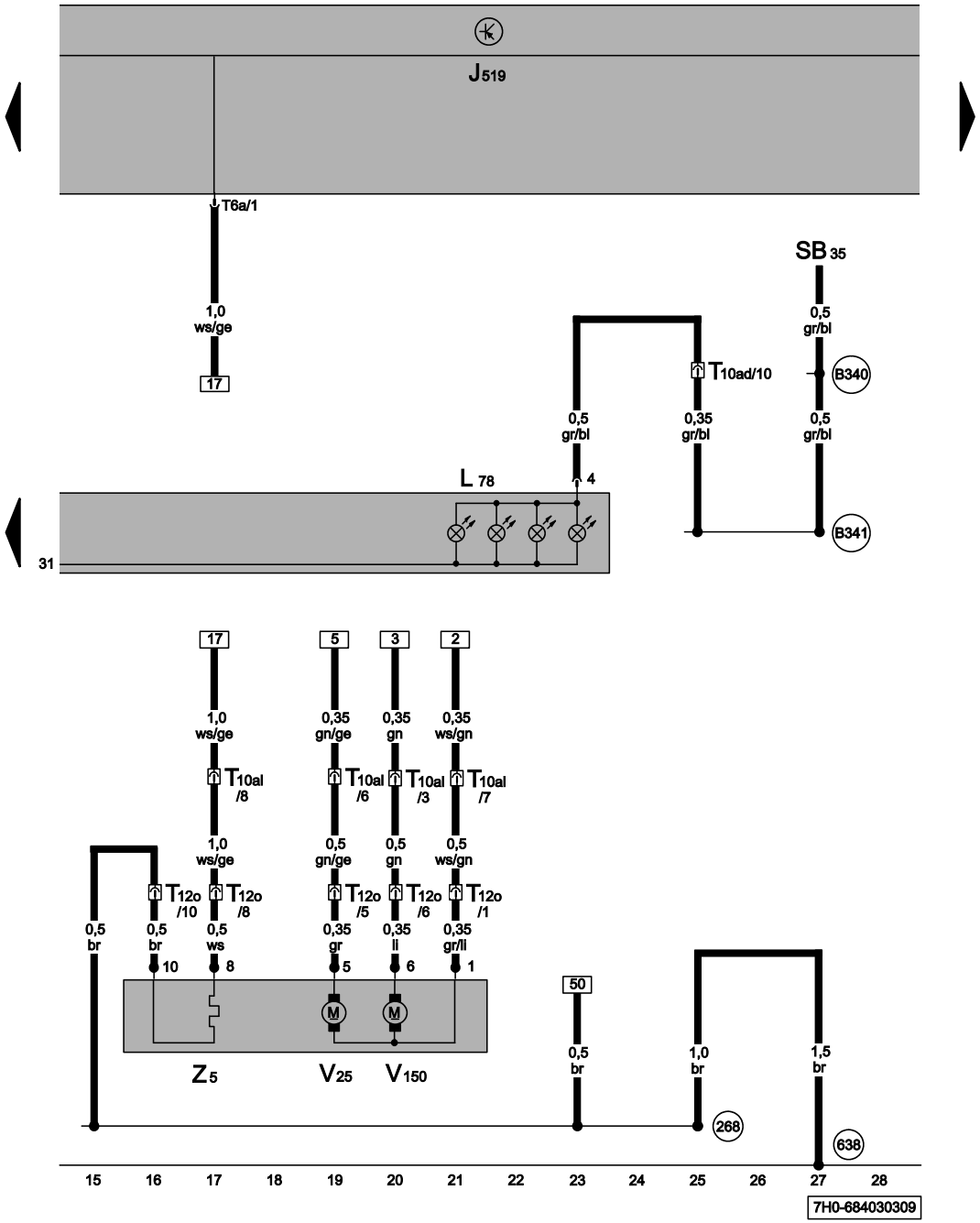
⇒ guided fault finding



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
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li = purple
ge = yellow
or = orange
rs = pink

Mirror adjustment switch, driver side mirror adjustment motor, exterior mirror heater button, driver side heated exterior mirror

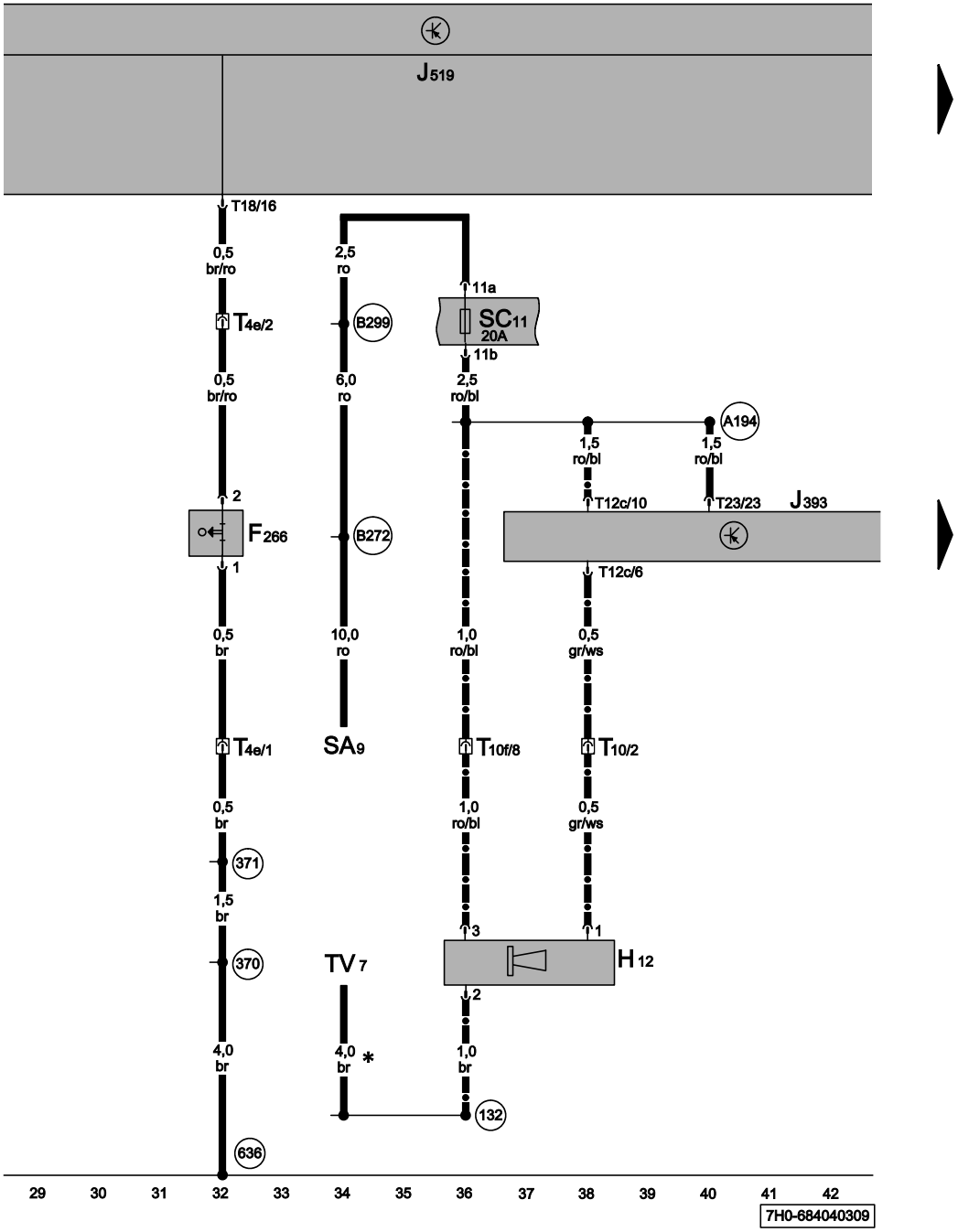
E43	Mirror adjustment switch
E48	Mirror adjustment change-over switch
E231	Exterior mirror heater button
J519	Onboard supply control unit
SC20	Fuse 20 on fuse holder C
SC28	Fuse 28 on fuse holder C
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T12n	12-pin connector, brown, in driver door on exterior mirror
T18	18-pin connector, black
V17	Driver side mirror adjustment motor
V149	Driver side mirror adjustment motor
Z4	Driver side heated exterior mirror
267	Earth connection 2, in driver door wiring harness
670	Earth point 2, left A-pillar
R27	Connection (mirror adjustment), in driver door wiring harness



Front passenger mirror adjustment motor, front passenger side heated exterior mirror

J519	Onboard supply control unit
L78	Mirror adjustment switch illumination bulb
SB35	Fuse 35 on fuse holder B
T6a	6-pin connector, brown
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T12o	12-pin connector, brown, in front passenger door on exterior mirror
V25	Front passenger side mirror adjustment motor
V150	Front passenger side mirror adjustment motor
Z5	Front passenger side heated exterior mirror
268	Earth connection 2, in front passenger side door wiring harness
638	Earth point, right A-pillar
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness

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ws = white

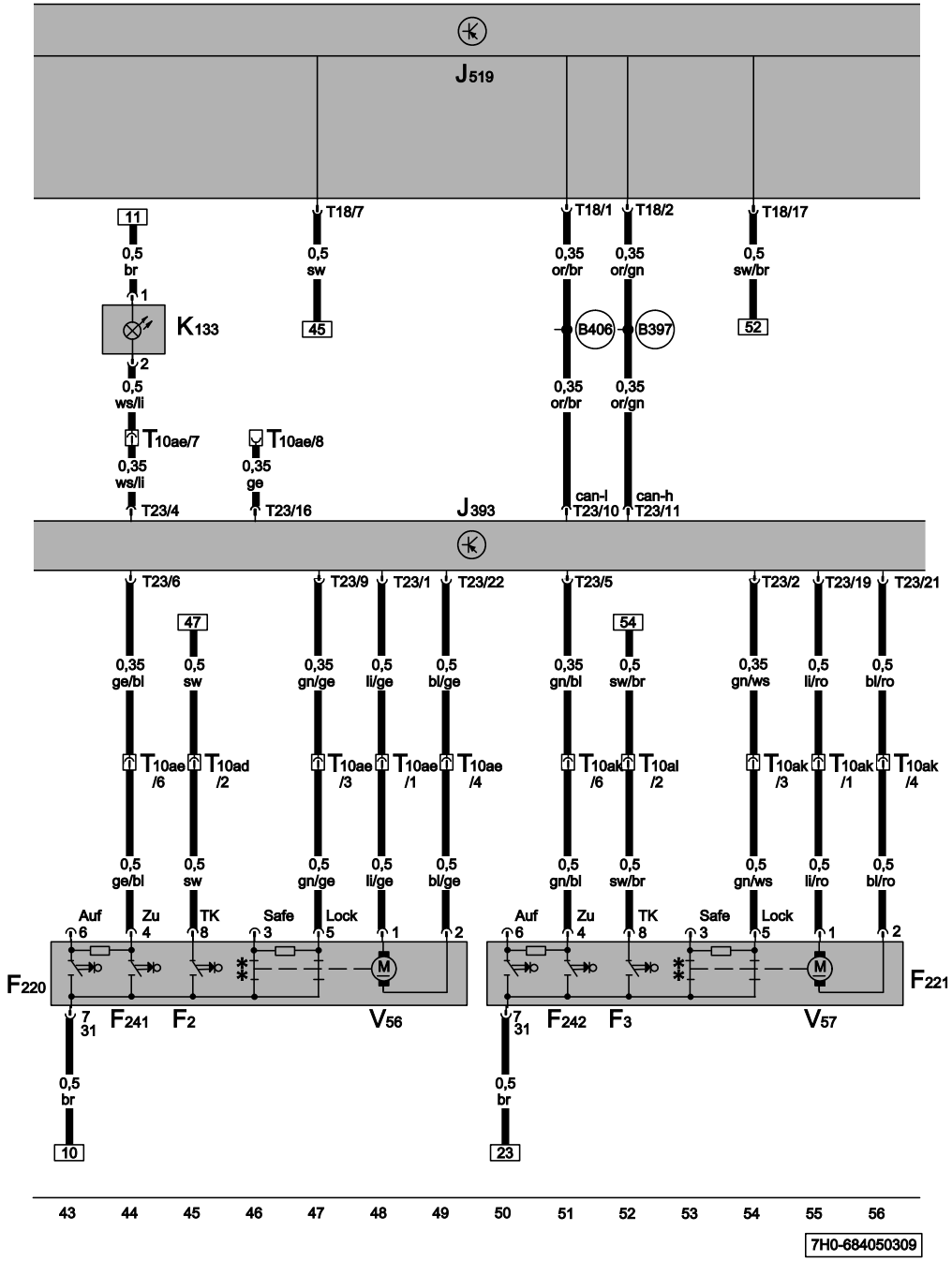
Convenience system central control unit, alarm horn, bonnet contact switch

F266	Bonnet contact switch
H12	Alarm horn
J393	Convenience system central control unit
J519	Onboard supply control unit
SA9	Fuse 9 on fuse holder A
SC11	Fuse 11 on fuse holder C
T4e	4-pin connector, black, near headlight, front right
T10	10-pin connector, black, coupling station on electronics box, in engine compartment
T10f	10-pin connector, green, coupling station on electronics box, in engine compartment
T12c	12-pin connector
T18	18-pin connector, black
T23	23-pin connector
TV7	Terminal 31 wiring junction
132	Earth connection 3, in engine compartment wiring harness
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A194	Connection (convenience system), in main wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	Cross-section 6.0 possible

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for models with anti-theft alarm system only

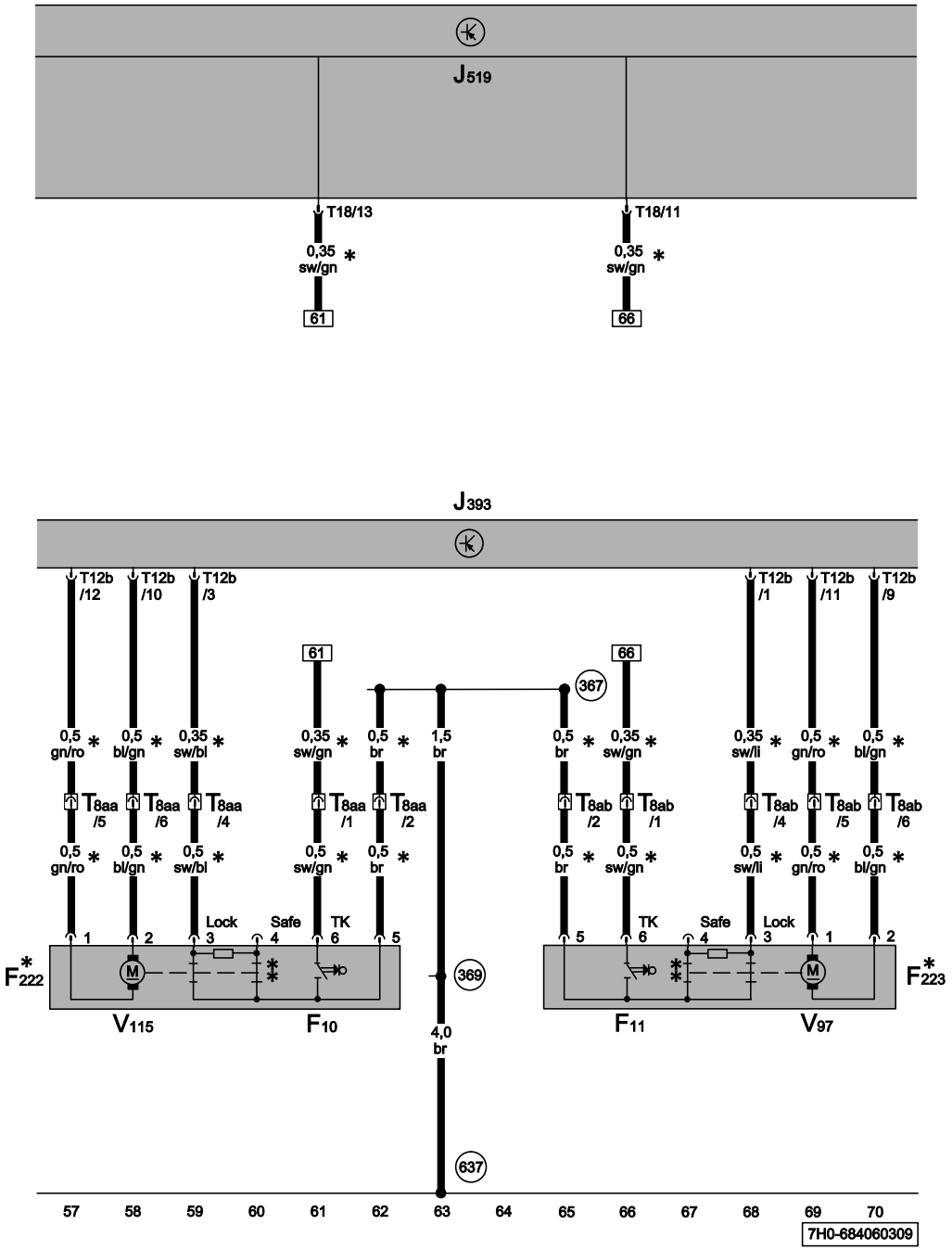
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Driver and front passenger side central locking lock unit, convenience system central control unit, central locking deadlock function warning lamp

F2	Driver door contact switch
F3	Front passenger door contact switch
F220	Driver side central locking lock unit
F221	Front passenger side central locking lock unit
F241	Driver side contact switch in lock cylinder
F242	Front passenger side contact switch in lock cylinder
J393	Convenience system central control unit
J519	Onboard supply control unit
K133	Central locking deadlock function warning lamp -SAFE-
T10ad	10-pin connector, red, coupling station on left of A-pillar
T10ae	10-pin connector, black, coupling station on left of A-pillar
T10ak	10-pin connector, black, coupling station on right of A-pillar
T10al	10-pin connector, red, coupling station on right of A-pillar
T18	18-pin connector, black
T23	23-pin connector
V56	Driver door central locking motor
V57	Front passenger door central locking motor
B397	Connection 1 (convenience CAN bus, high), in main wiring harness
B406	Connection 1 (convenience CAN bus, low), in main wiring harness
**	for models with deadlock function only

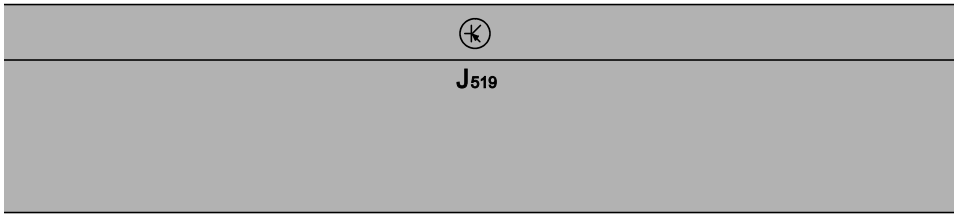
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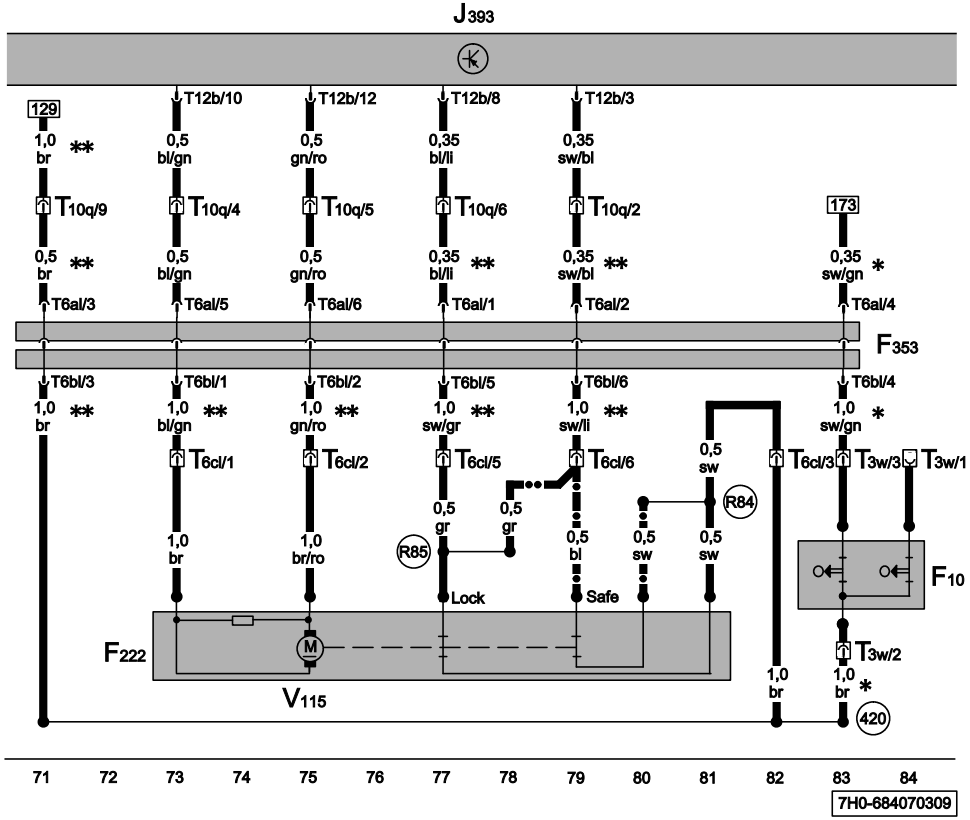


Rear left and right central locking lock unit, rear left and right door contact switch, convenience system central control unit

F10	Rear left door contact switch
F11	Rear right door contact switch
F222	Rear left central locking lock unit
F223	Rear right central locking lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T8aa	8-pin connector, black, left B-pillar
T8ab	8-pin connector, black, right B-pillar
T12b	12-pin connector
T18	18-pin connector, black
V97	Rear right door central locking motor
V115	Rear left door central locking motor
367	Earth connection 2, in main wiring harness
369	Earth connection 4, in main wiring harness
637	Earth point, airbag control unit
*	for models with double cab only
**	for models with deadlock function only

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or	=	orange
rs	=	pink





ws = white

Door contact switch and rear left central locking lock unit, convenience system central control unit, left sliding door contact strip

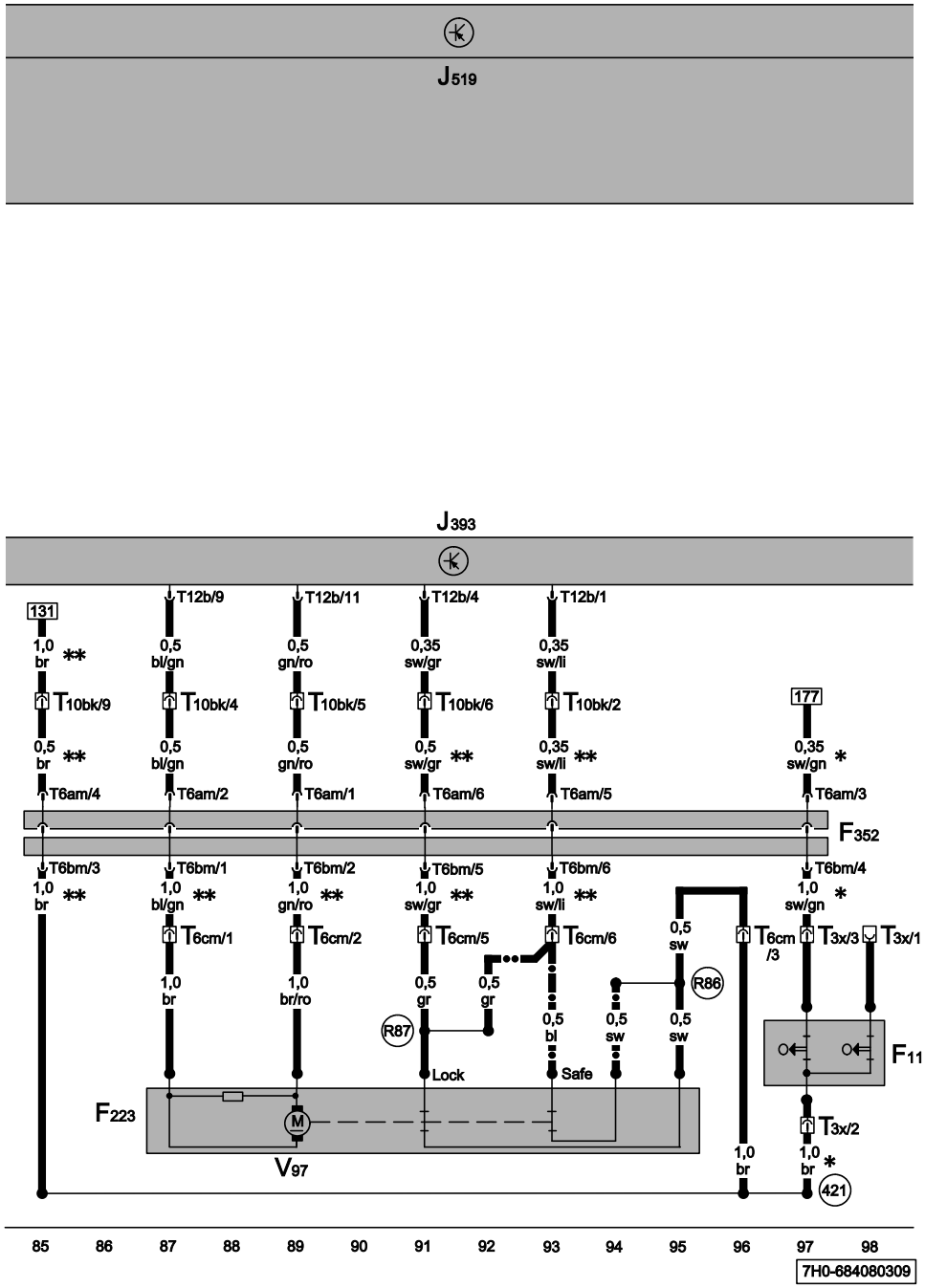
F10	Rear left door contact switch
F222	Rear left central locking lock unit
F353	Left sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3w	3-pin connector, rear left door contact switch
T6al	6-pin connector, contact strip, left B-pillar
T6bl	6-pin connector, contact strip, left sliding door
T6cl	6-pin connector, black, in left sliding door
T10q	10-pin connector, grey, coupling station under driver seat
T12b	12-pin connector
V115	Rear left door central locking motor
420	Earth connection 1, in left sliding door wiring harness
R84	Connection 1 (central locking) in rear left door wiring harness
R85	Connection 2 (central locking) in rear left door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

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for models with deadlock function only

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Door contact switch and rear right central locking lock unit, convenience system central control unit, right sliding door contact strip

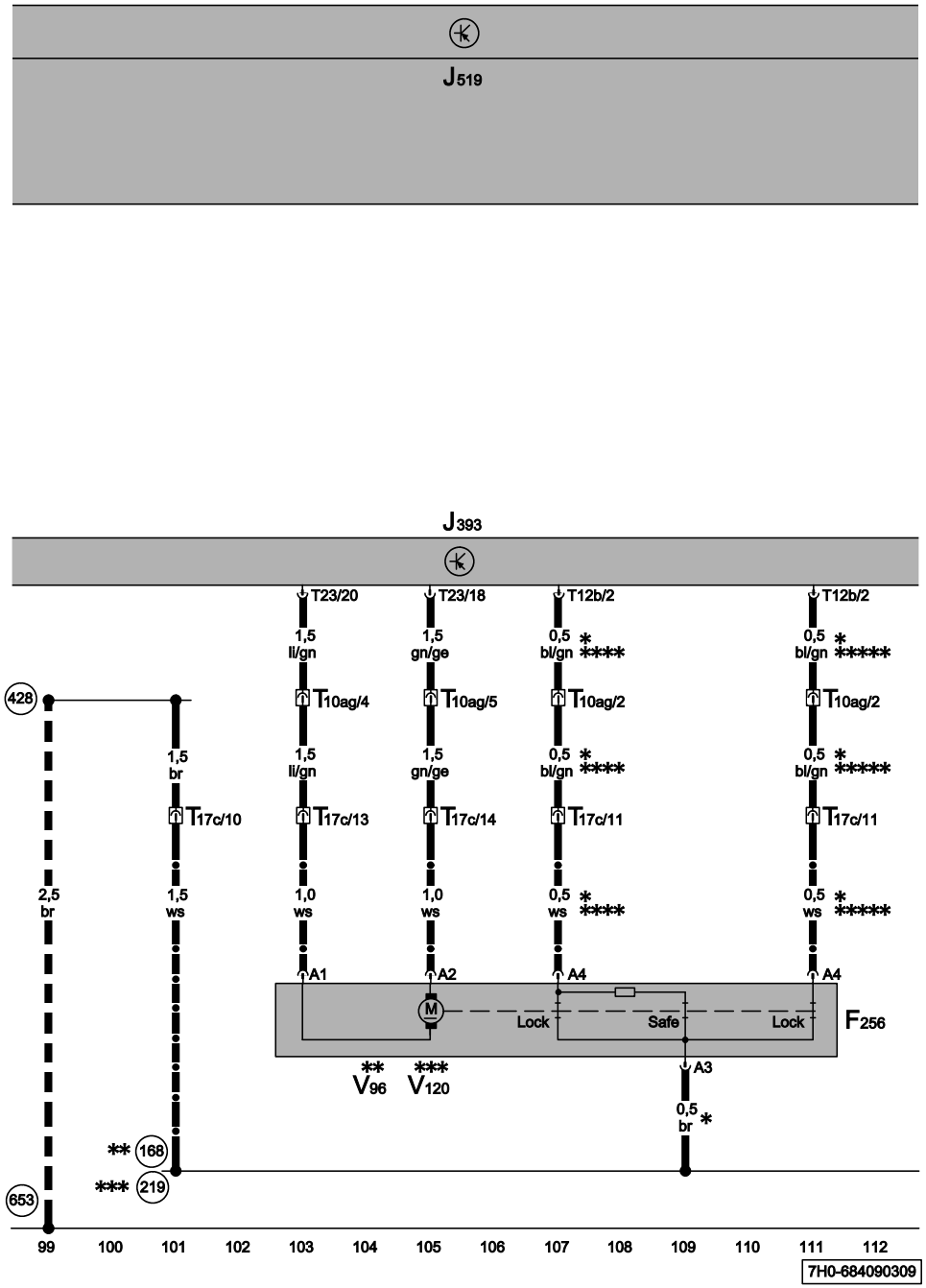
F11	Rear right door contact switch
F223	Rear right central locking lock unit
F352	Right sliding door contact strip
J393	Convenience system central control unit
J519	Onboard supply control unit
T3x	3-pin connector, rear right door contact switch
T6am	6-pin connector, contact strip, right B-pillar
T6bm	6-pin connector, contact strip, right sliding door
T6cm	6-pin connector, black, in right sliding door
T10bk	10-pin connector, grey, coupling station under front passenger seat
T12b	12-pin connector
V97	Rear right door central locking motor
421	Earth connection 1, in right sliding door wiring harness
R86	Connection 1 (central locking) in rear right door wiring harness
R87	Connection 2 (central locking) in rear right door wiring harness
*	for models with mechanical sliding door and anti-theft alarm system only
**	only models without electric sliding doors

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for models with deadlock function only

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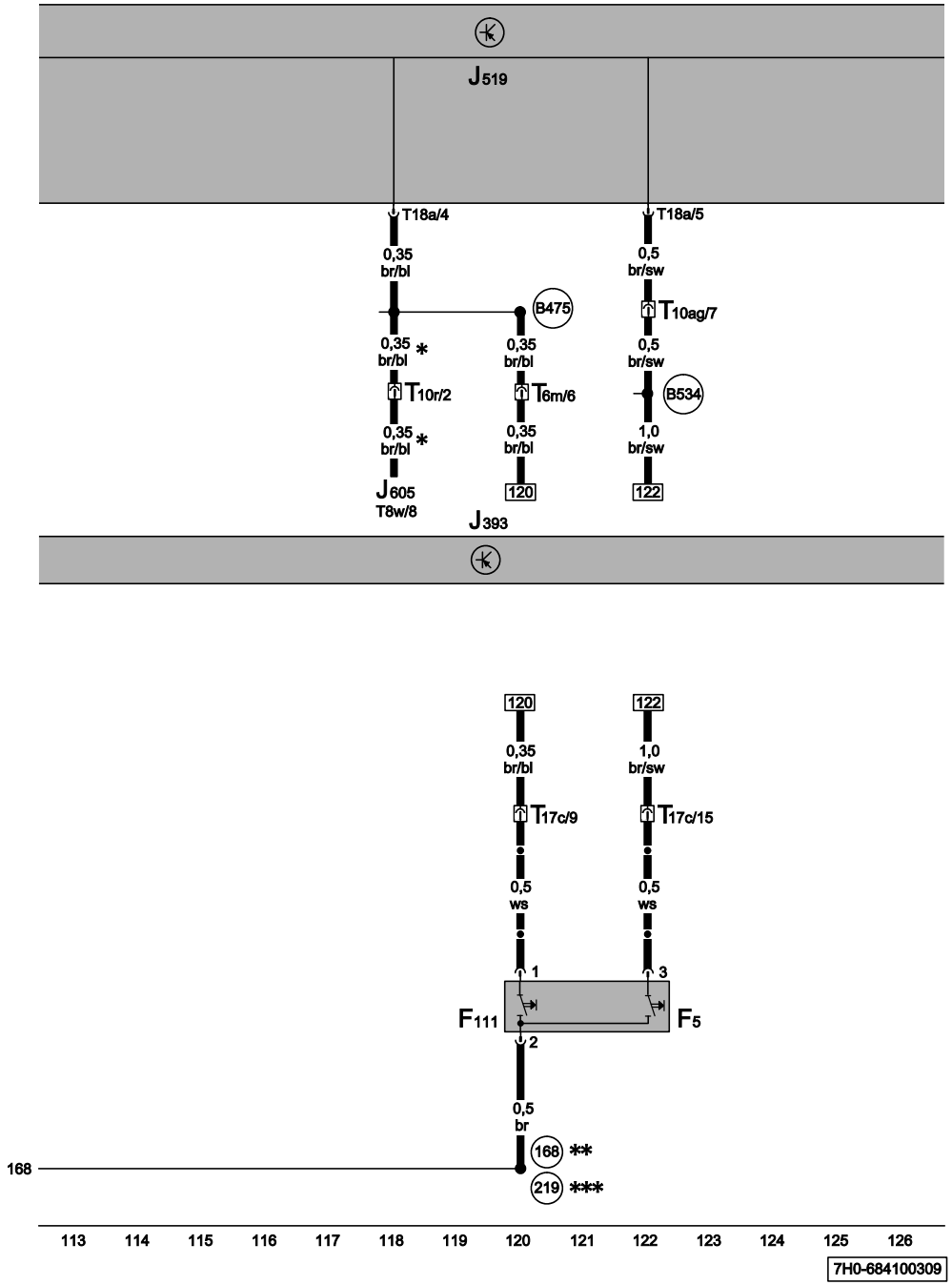
Rear lid lock unit, convenience system central control unit, rear lid lock motor

F256	Rear lid lock unit
J393	Convenience system central control unit
J519	Onboard supply control unit
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12b	12-pin connector
T17c	17-pin connector, black, coupling station on left of D-pillar
T23	23-pin connector
V96	Rear wing door central locking motor
V120	Rear lid lock motor
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
*	for models with rear lid interior locking only
**	for models with rear wing doors only
***	for models with rear lid only
****	for models with deadlock function only
*****	for models without deadlock function only

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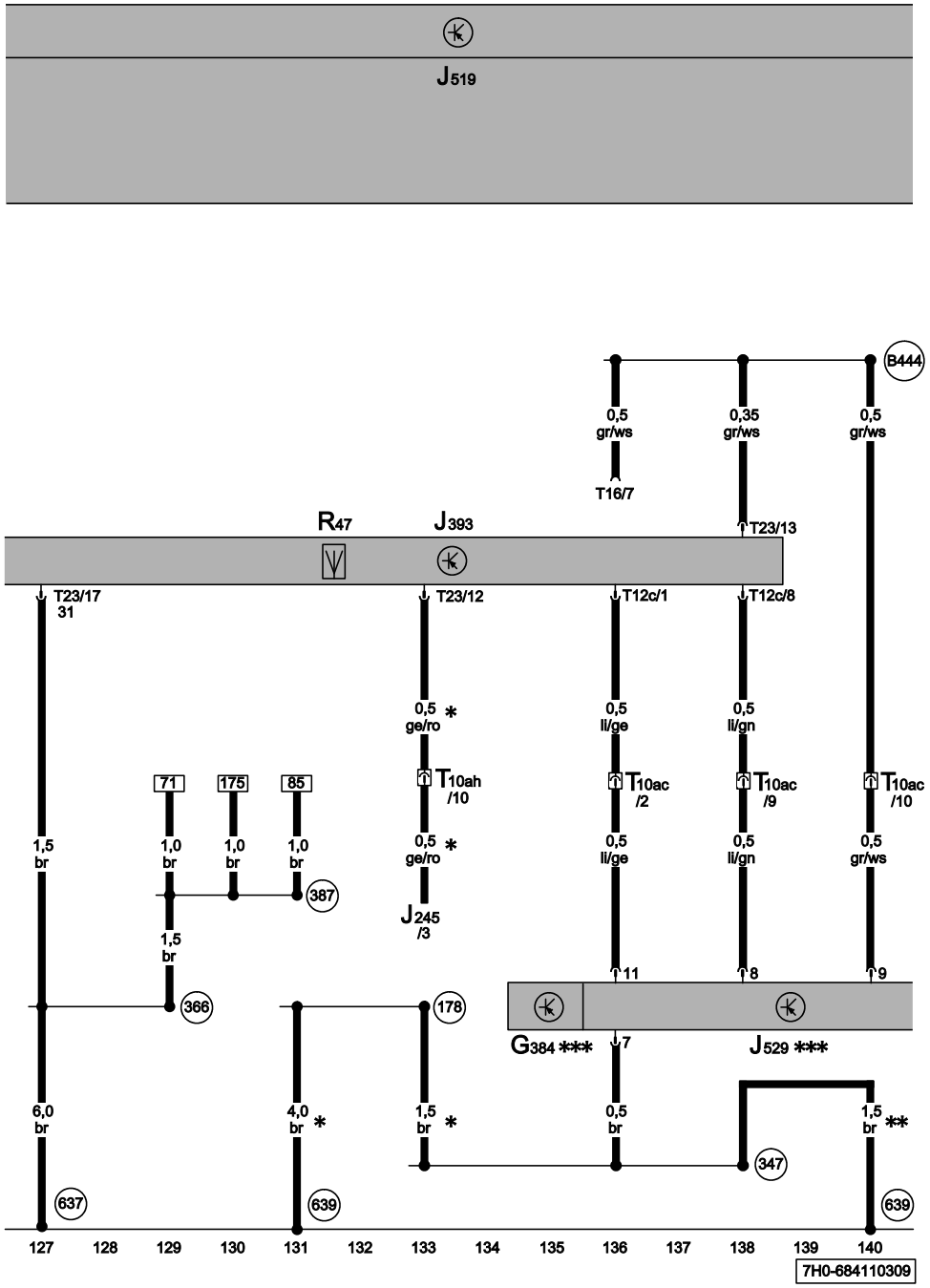


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Convenience system central control unit, luggage compartment light switch, rear lid contact switch

F5	Luggage compartment light switch
F111	Rear lid contact switch
J393	Convenience system central control unit
J519	Onboard supply control unit
J605	Rear lid control unit
T6m	6-pin connector, red, coupling station on left of A-pillar
T8w	8-pin connector
T10r	10-pin connector, white, coupling station under driver seat
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
168	Earth connection, in rear left wing door wiring harness
219	Earth connection 2, in rear lid wiring harness
B475	Connection 11 in main wiring harness
B534	Connection 1 (luggage compartment switch), in roof wiring harness
*	for models with rear lid and power latching system only
**	for models with rear wing doors only
***	for models with rear lid only

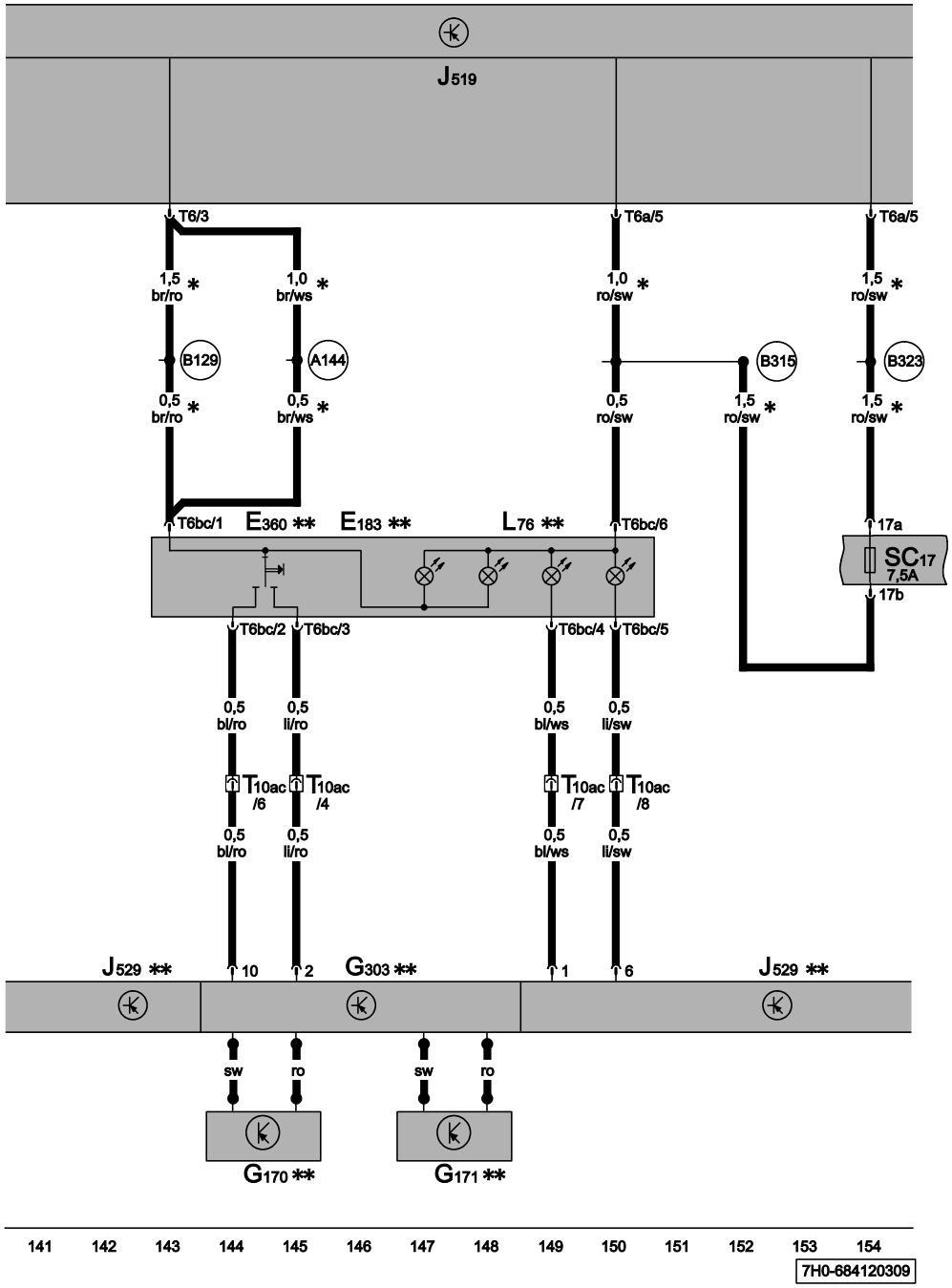
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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Anti-theft and tilt system control unit, vehicle inclination sender, central locking and anti-theft alarm system aerial

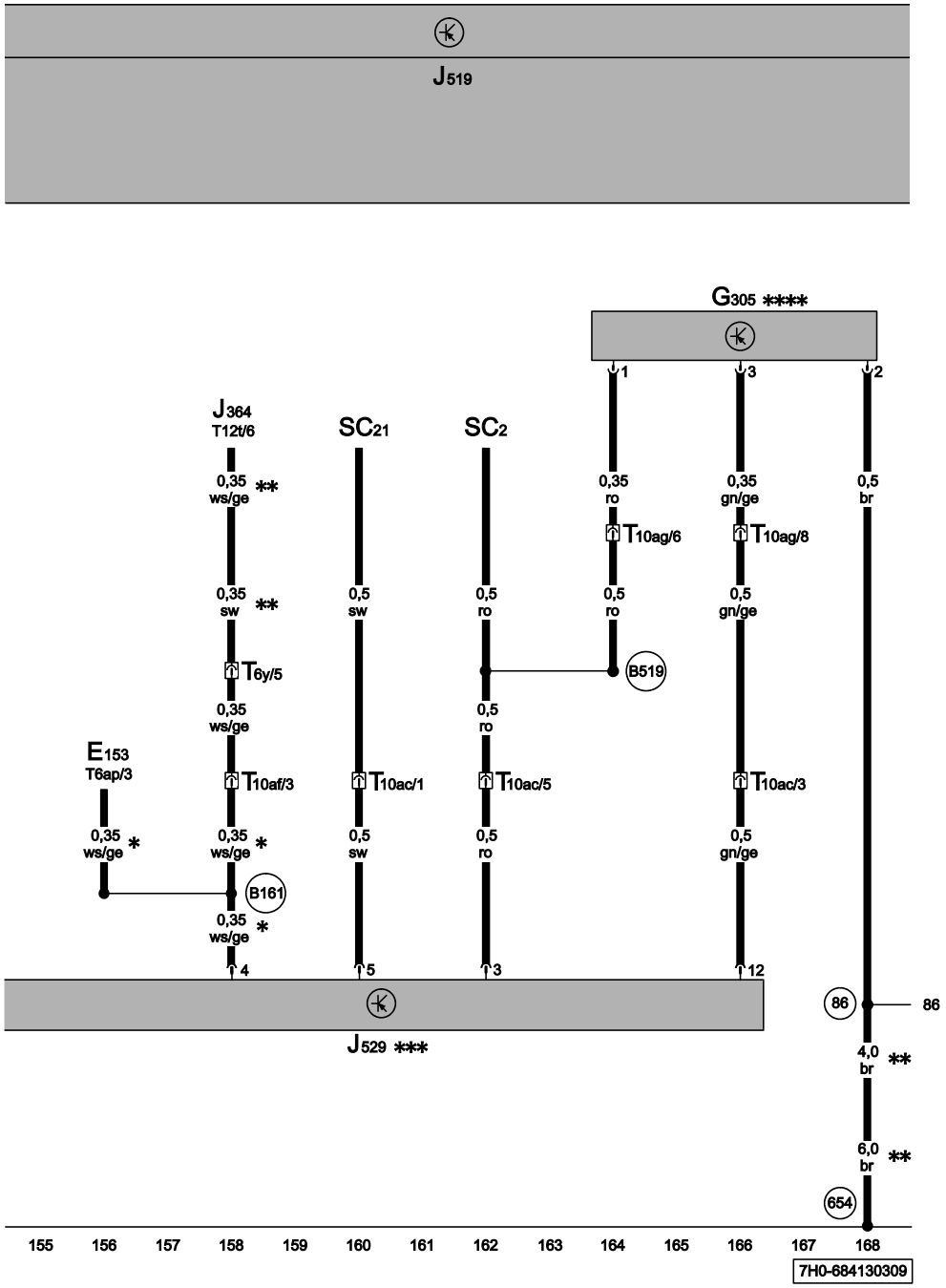
G384	Vehicle inclination sender
J245	Sliding sunroof adjustment control unit
J393	Convenience system central control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
R47	Central locking and anti-theft alarm system aerial
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10ah	10-pin connector, purple, coupling station on left of A-pillar
T12c	12-pin connector
T16	16-pin connector, diagnostic connector
T23	23-pin connector
178	Earth connection, in sliding sunroof wiring harness
347	Earth connection, in roof wiring harness
366	Earth connection 1, in main wiring harness
387	Earth connection 22, in main wiring harness
637	Earth point, airbag control unit
639	Earth point, left A-pillar
B444	Connection 1 (diagnosis), in main wiring harness
*	for models with sliding/tilting sunroof
**	for models without sliding/tilting sunroof
***	for models with anti-theft alarm system only 7AL/7AQ



Anti-theft and tilt system control unit, iInterior monitoring deactivation switch, deactivation button for vehicle inclination sender, ultrasonic sensors

E183	Interior monitor deactivation switch
E360	Deactivation button for vehicle inclination sender
G170	Left ultrasonic sensor for anti-theft alarm system
G171	Right ultrasonic sensor for anti-theft alarm system
G303	Interior monitor send and receive module 1
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
L76	Button illumination bulb
SC17	Fuse 17 on fuse holder C
T6	6-pin connector, black
T6a	6-pin connector, brown
T6bc	6-pin connector, blue
T10ac	10-pin connector, green, coupling station on left of A-pillar
A144	Connection (interior monitoring) in dash panel wiring harness
B129	Connection (interior light, 31l), in interior wiring harness
B315	Positive connection 1 (30a), in main wiring harness
B323	Positive connection 9 (30a), in main wiring harness
*	depends on equipment ⇒ interior lighting Current Flow Diagram
**	for models with anti-theft alarm system only 7AL/7AQ

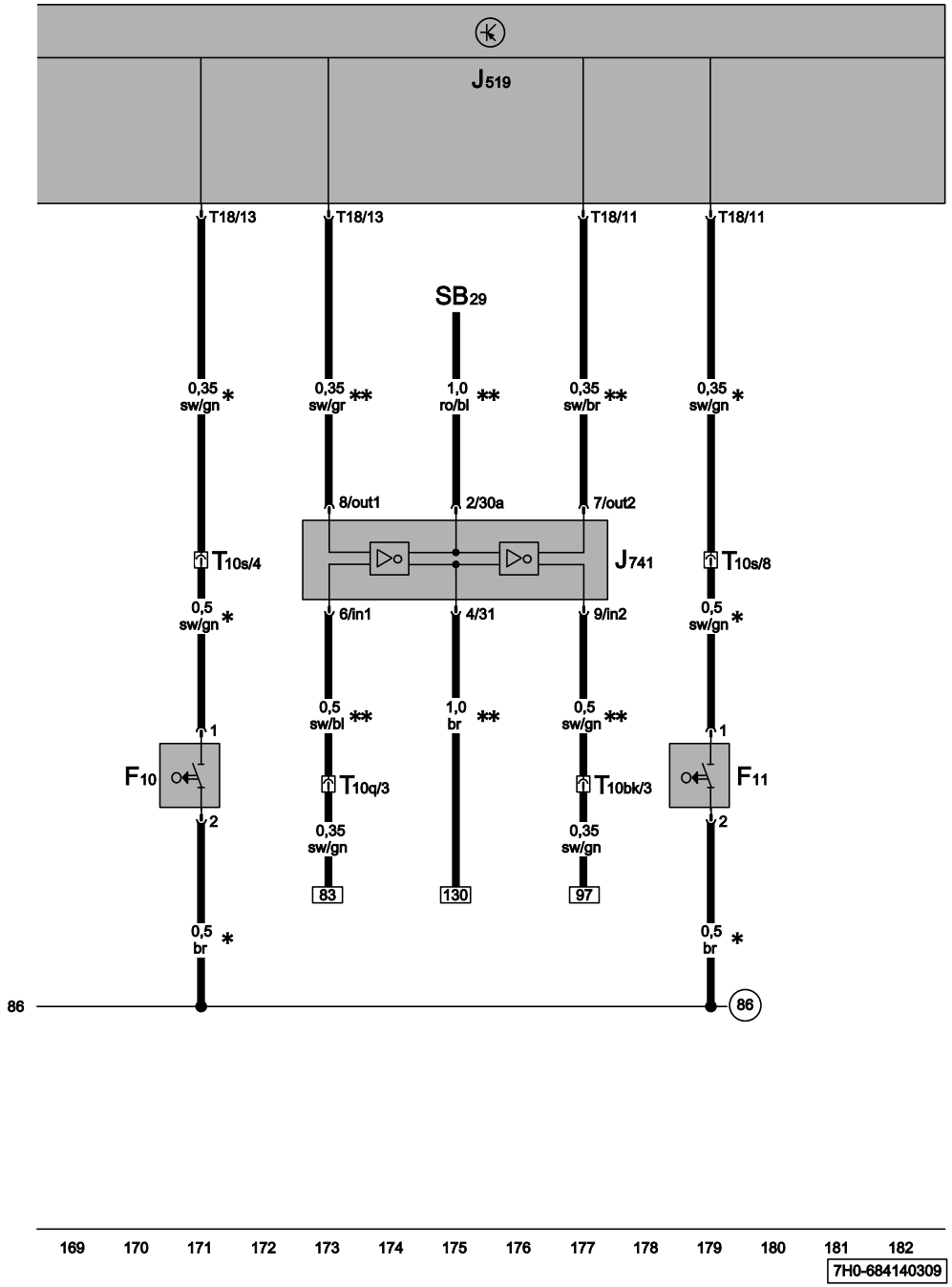
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rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Anti-theft and tilt system control unit, interior monitor send and receive module 2

E153	Operating and display unit for camping equipment
G305	Interior monitor send and receive module 2
J364	Auxiliary heater control unit
J519	Onboard supply control unit
J529	Anti-theft and tilt system control unit
SC2	Fuse 2 on fuse holder C
SC21	Fuse 21 on fuse holder C
T6y	6-pin connector, blue, coupling station under front passenger seat
T6ap	6-pin connector, black
T10ac	10-pin connector, green, coupling station on left of A-pillar
T10af	10-pin connector, blue, coupling station on left of A-pillar
T10ag	10-pin connector, brown, coupling station on left of A-pillar
T12t	12-pin connector, black
86	Earth connection 1, in rear wiring harness
654	Earth point, right D-pillar
B161	Connection (ATA), in interior wiring harness
B519	Connection (30a, CL/ATA/IR), in main wiring harness
*	for Camper with auxiliary air heater only
**	depends on equipment
***	for models with anti-theft alarm system only 7AL/7AQ
****	for models with anti-theft alarm system only 7AL



Onboard supply control unit, dual signal inverter relay, rear left door contact switch, rear right door contact switch

F10	Rear left door contact switch
F11	Rear right door contact switch
J519	Onboard supply control unit
J741	Dual signal inverter relay
SB29	Fuse 29 on fuse holder B
T10q	10-pin connector, grey, coupling station under driver seat
T10s	10-pin connector, brown, coupling station under driver seat
T10bk	10-pin connector, grey, coupling station under front passenger seat
T18	18-pin connector, black
86	Earth connection 1, in rear wiring harness
*	for models with mechanical sliding door and without anti-theft alarm system/ electric sliding doors/power latching system only
**	for models with mechanical sliding door and anti-theft alarm system only

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or	=	orange
rs	=	pink

Gas discharge headlights with automatic headlight range control

from March 2003

Notes:

For information concerning

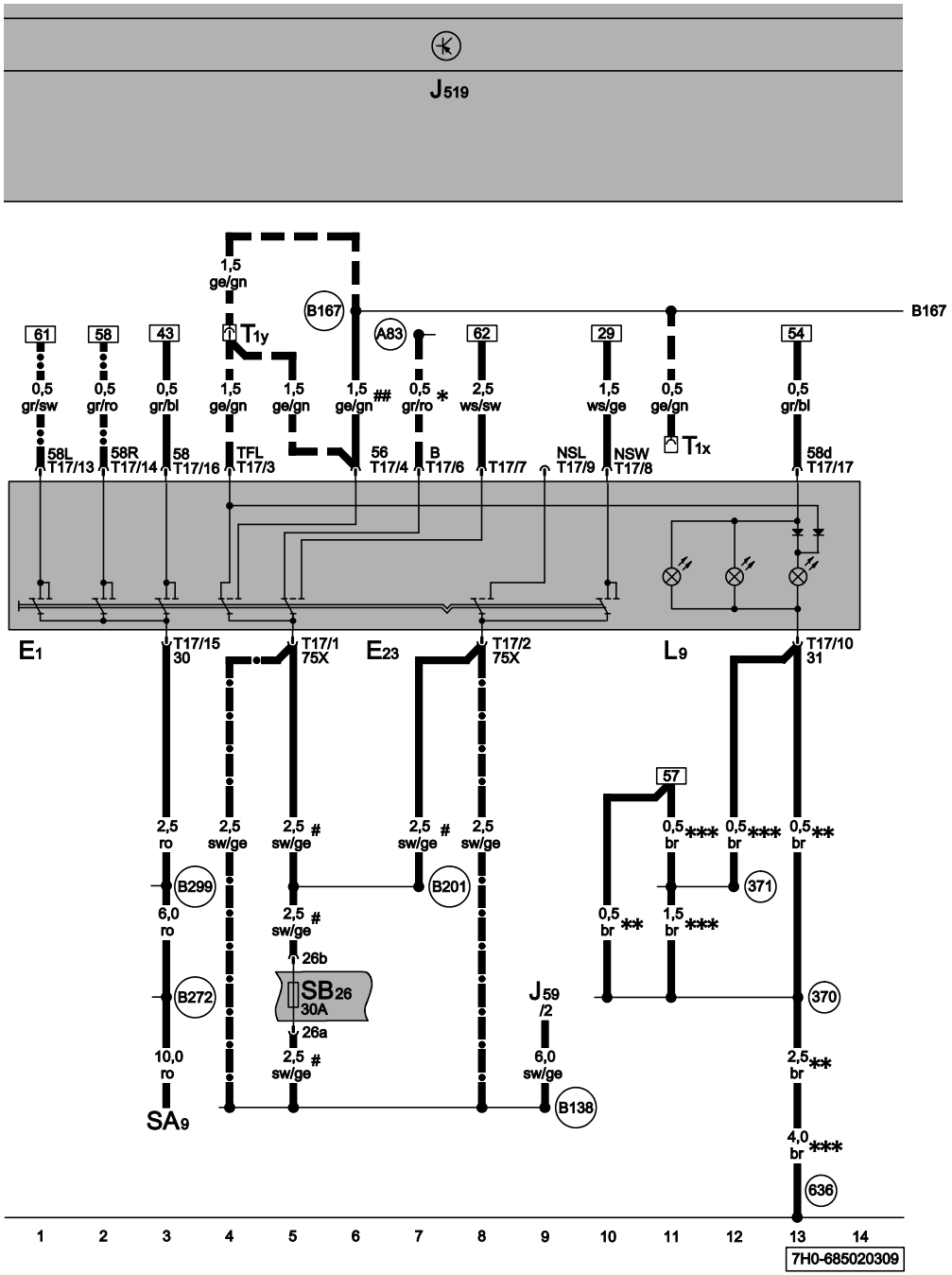
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



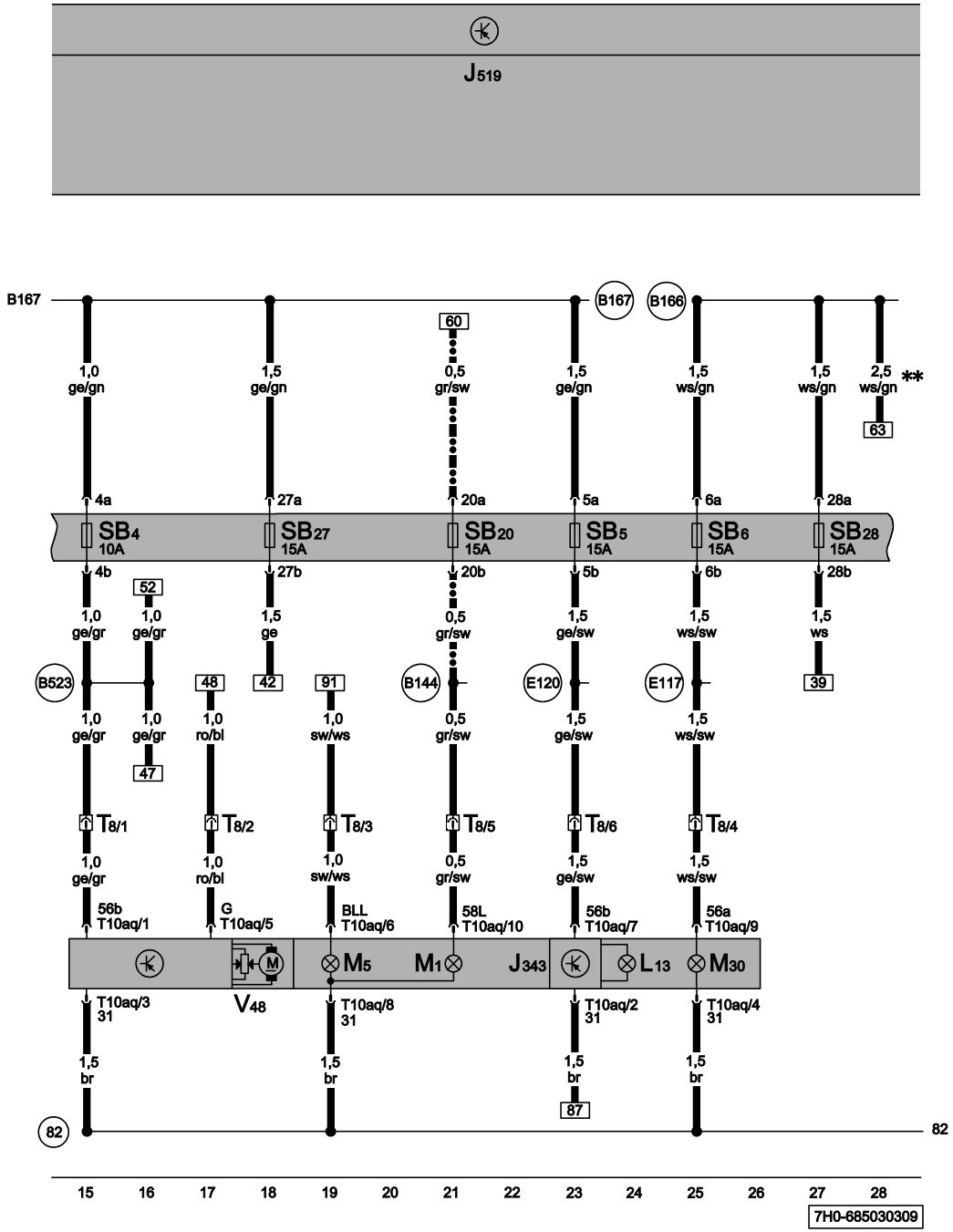
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Light switch, front and rear fog light switch, fuses

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T1x	Single connector, near light switch
T1y	Single connector, near light switch
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B299	Positive connection 3 (30), in main wiring harness
*	⇒ Current Flow Diagram for daytime running lights
**	applicable up to May 2003
***	applicable from June 2003
#	applicable from February 2004
##	for models without day driving light only
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li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white

Fuses, left gas discharge bulb, left headlight main beam bulb, left headlight range control motor, left side light bulb, front left turn signal bulb

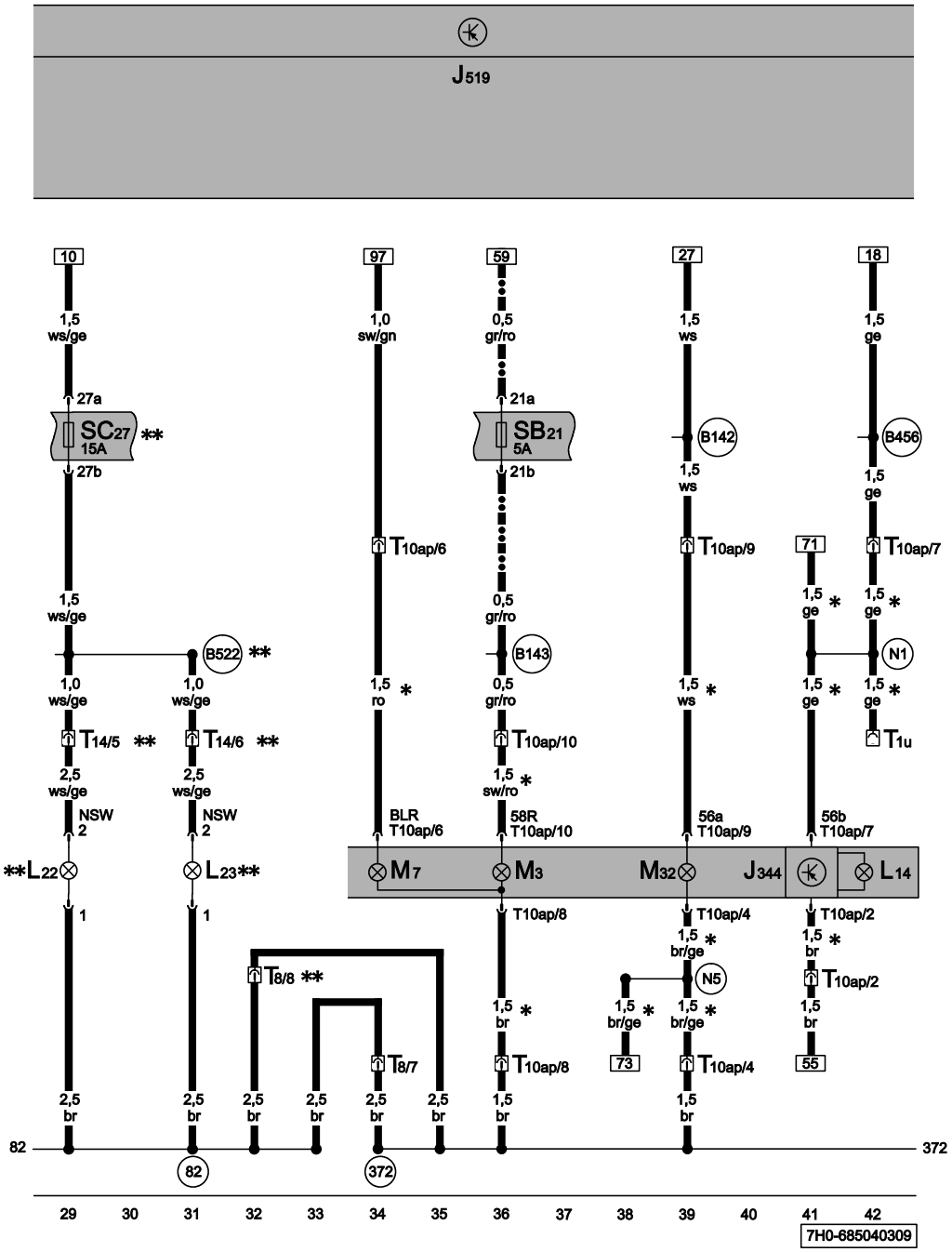
J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	for models without taxi equipment only

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Cross-section 1.0 possible

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

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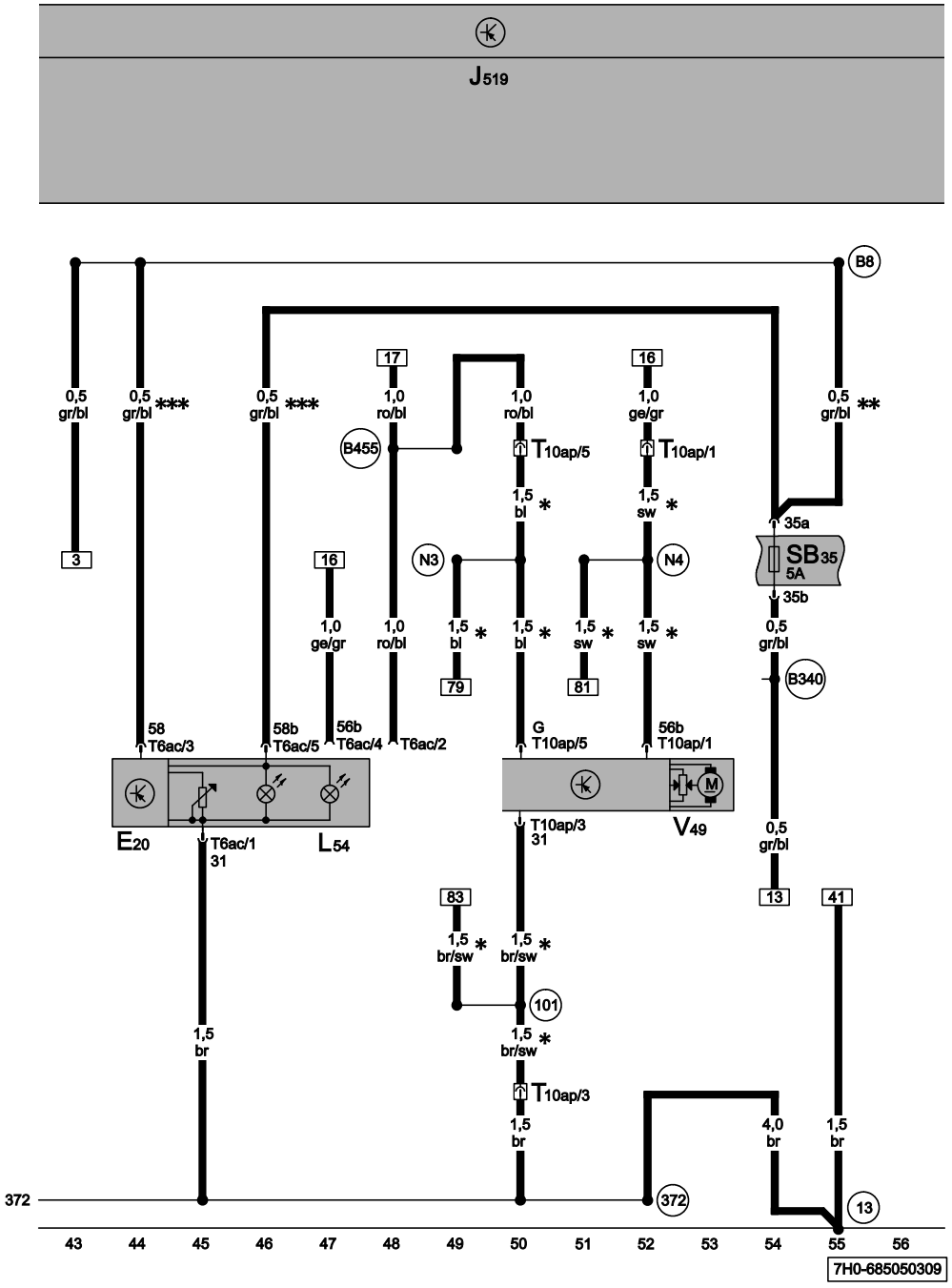


ws = white

Fuses, right gas discharge (xenon) bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb, fog light bulb

J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SC27	Fuse 27 on fuse holder C
T1u	Single connector
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
N1	Positive connection (56bR), in headlight range adjustment wiring harness
N5	Connection 4, in headlight range control wiring harness
*	adapter wire
**	for models with front fog light only
<fo:external-graphic src="../PDOC/samba/tools/png-convert/out//slp/	Cross-section 1.0 possible

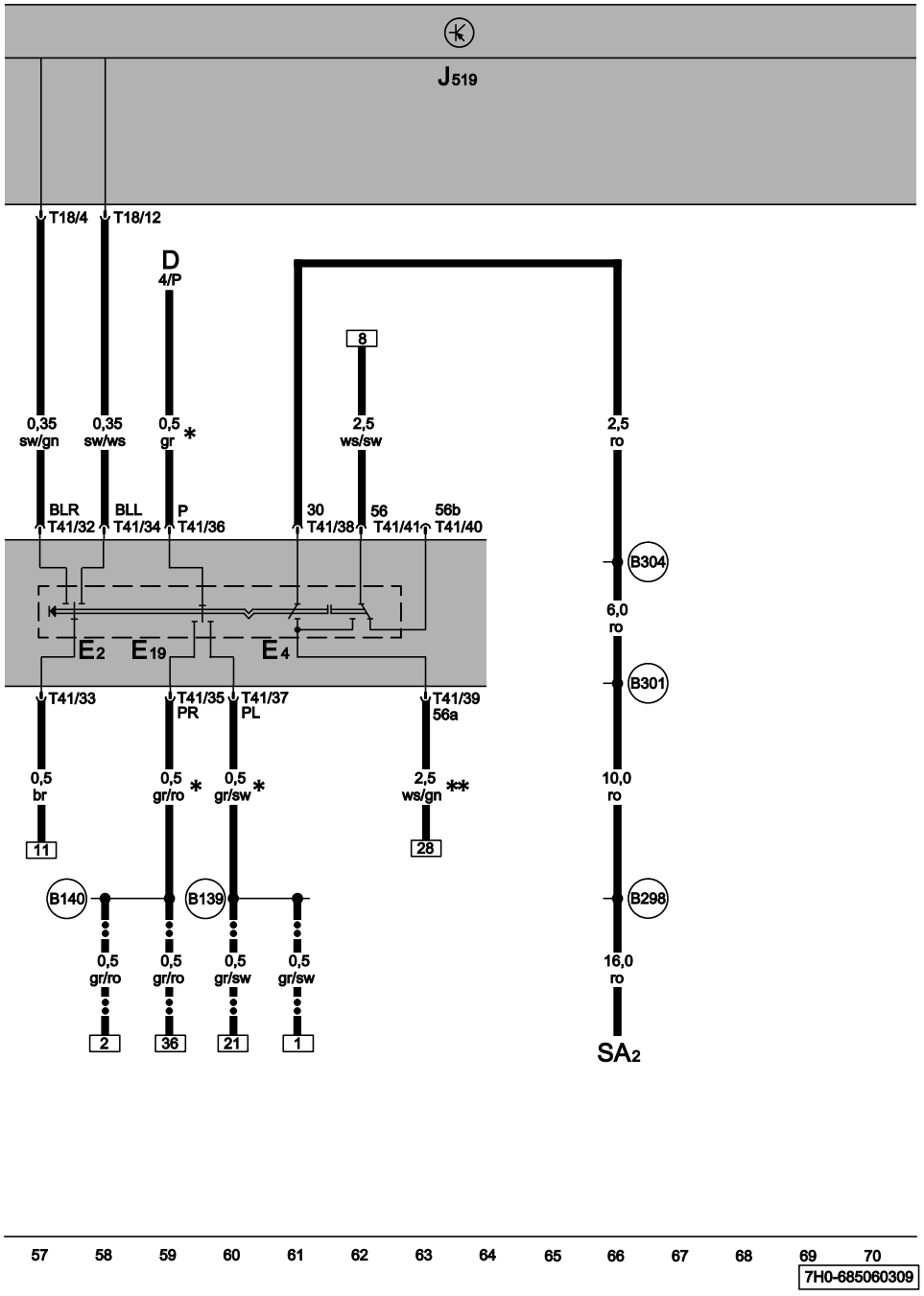
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bl	=	blue	width="2
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or	=	orange	>
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse, right headlight range control motor, switch and instrument illumination regulator

E20	Switches and instruments illumination regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
101	Earth connection, in headlight range adjustment wiring harness
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
N3	Connection 2, in headlight range control wiring harness
N4	Connection 3, in headlight range control wiring harness
*	adapter wire
**	for models without dimming instruments illumination only
***	for models with dimming instruments illumination only

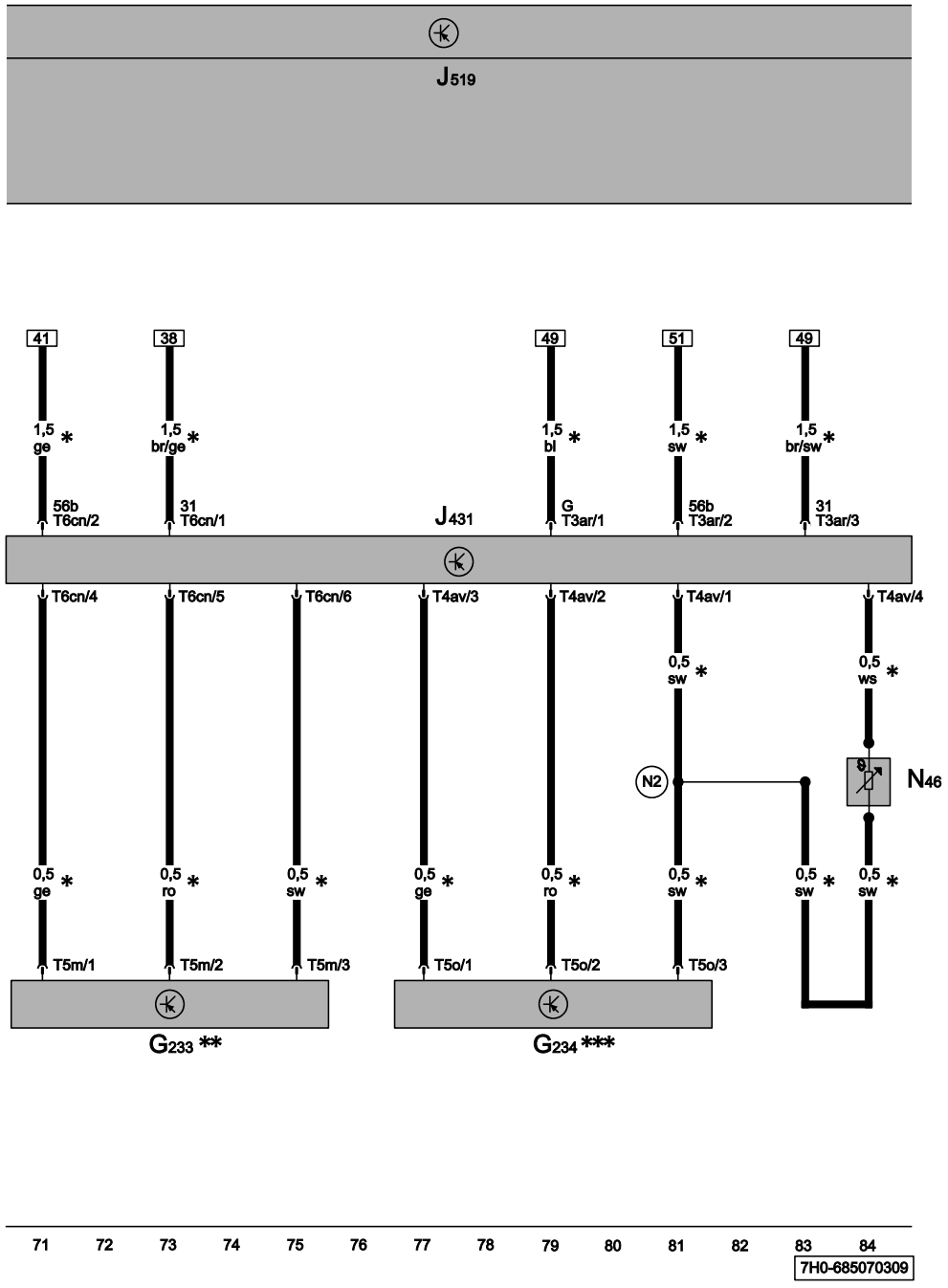


ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only
<fo:exter	applicable up to May 2008

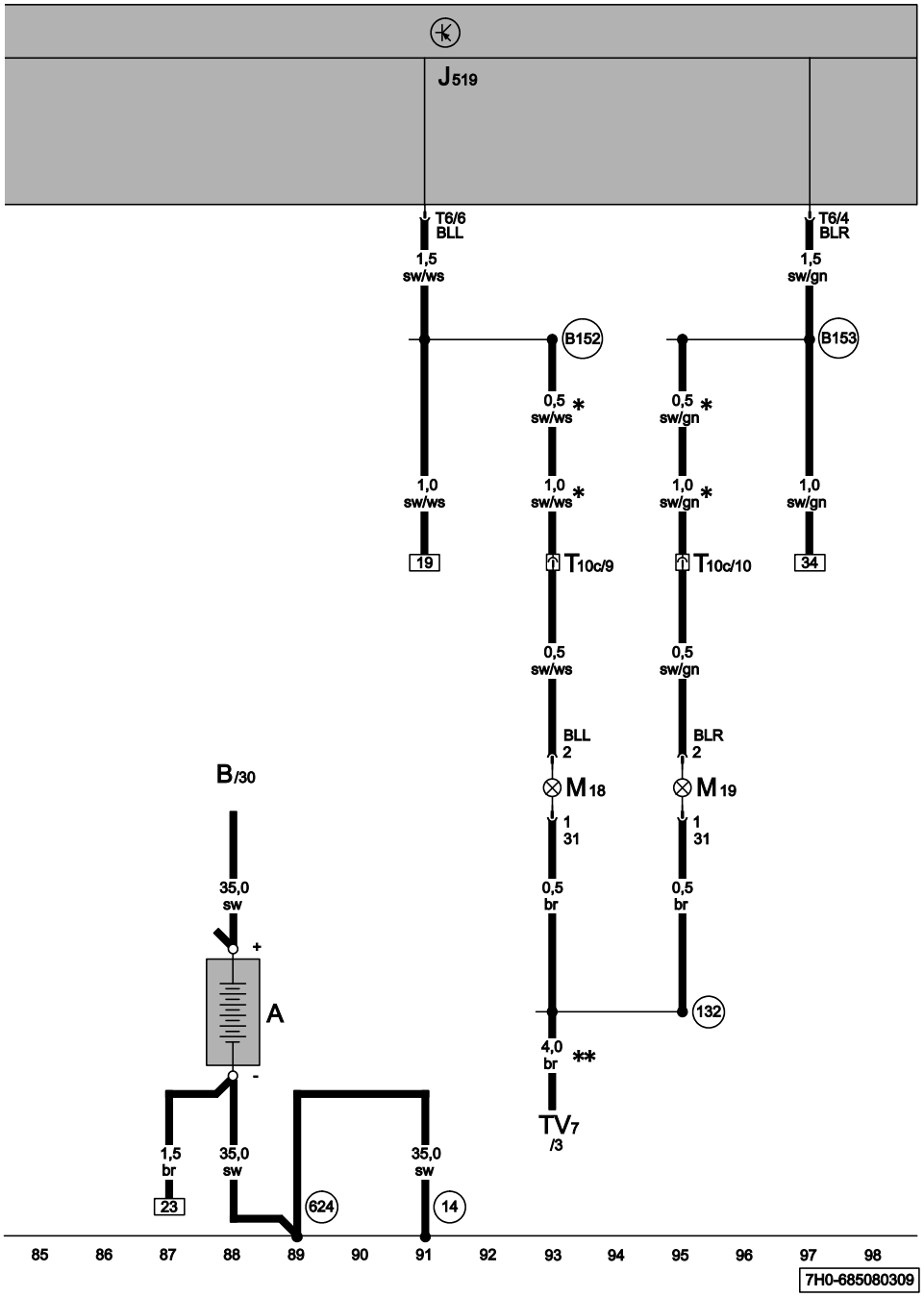
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Headlight range control sender 1, headlight range control sender 2, control unit for headlight range control, measuring resistor

G233	Headlight range control sender 1
G234	Headlight range control sender 2
J431	Headlight range control, control unit
J519	Onboard supply control unit
N46	Measuring resistor
T3ar	3-pin connector, black
T4av	4-pin connector, black
T5m	5-pin connector, blue, on headlight range control sender 1
T5o	5-pin connector, blue, on headlight range control sender 2
T6cn	6-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	adapter wire
**	on front axle
***	on rear axle

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

A	Battery
B	Starter
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
14	Earth point, on gearbox
132	Earth connection 3, in engine compartment wiring harness
624	Earth point, starter battery
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	depends on equipment
**	Cross-section 6.0 possible

Gas discharge headlights with automatic headlight range control

from April 2004

Notes:

For information concerning

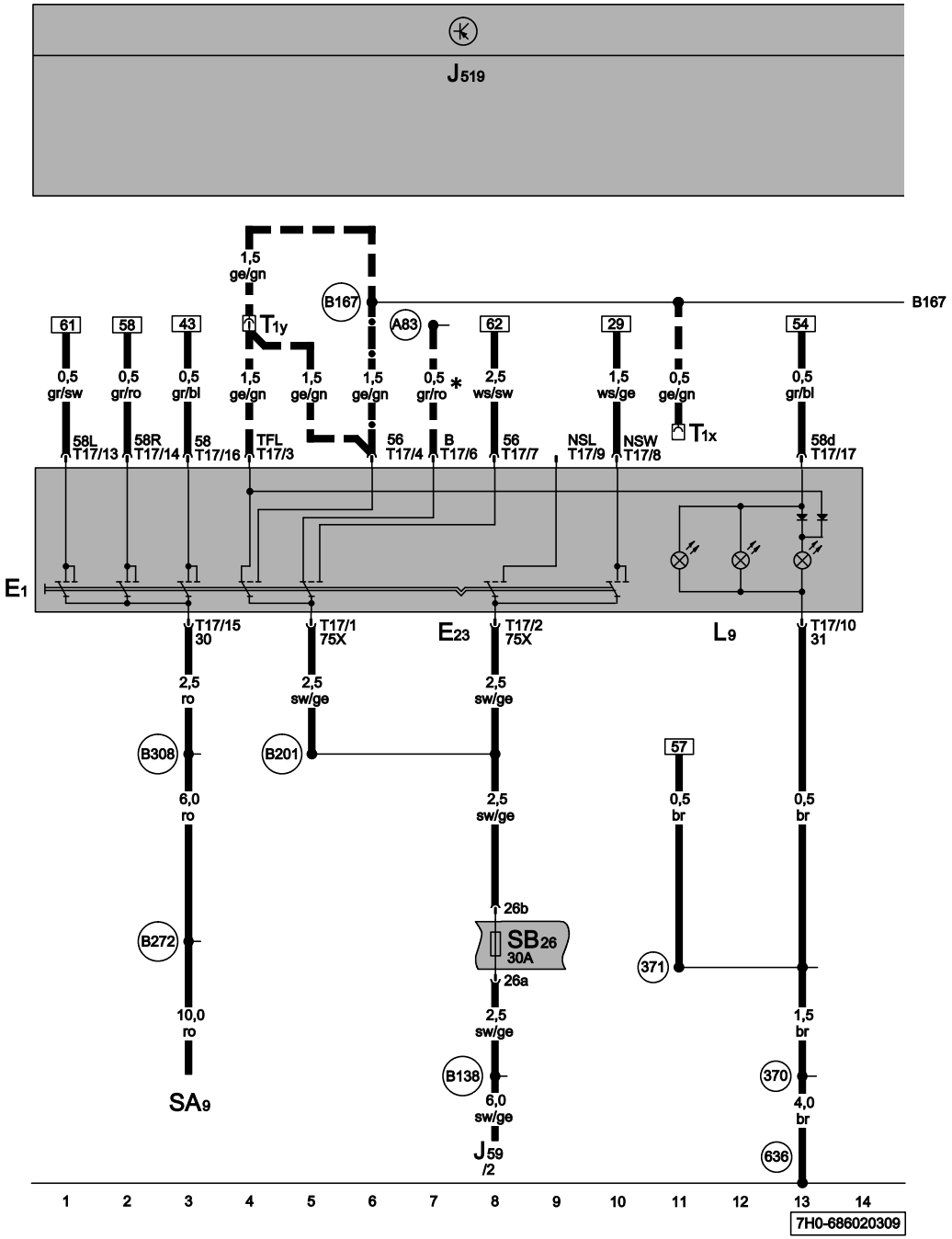
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



Light switch, front and rear fog light switch, fuses

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T1x	Single connector, near light switch
T1y	Single connector, near light switch
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness

* ⇒ Current Flow Diagram for daytime running lights

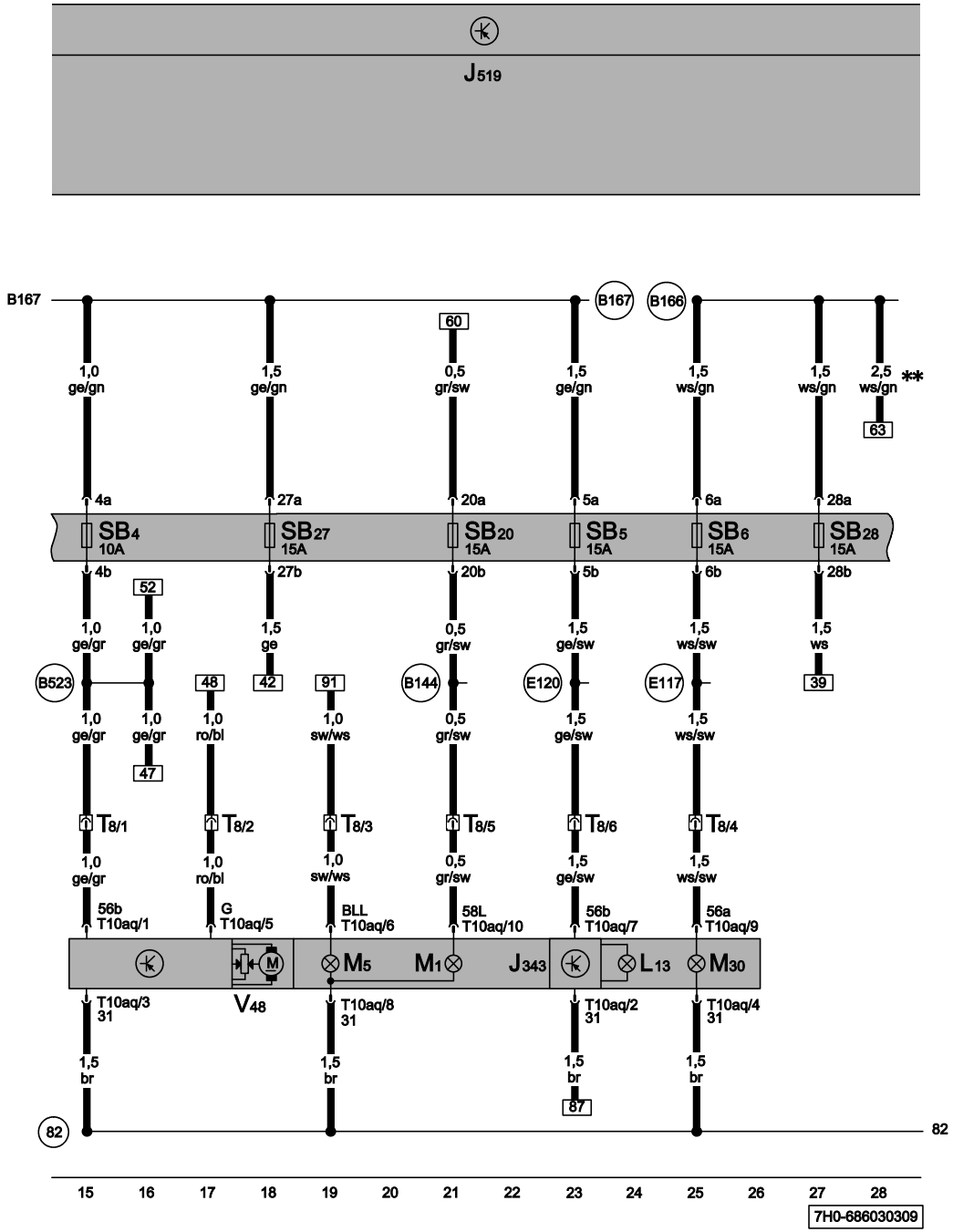
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for models with day driving light only

ws = white

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scaling="
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<fo:exter for models without day driving light only
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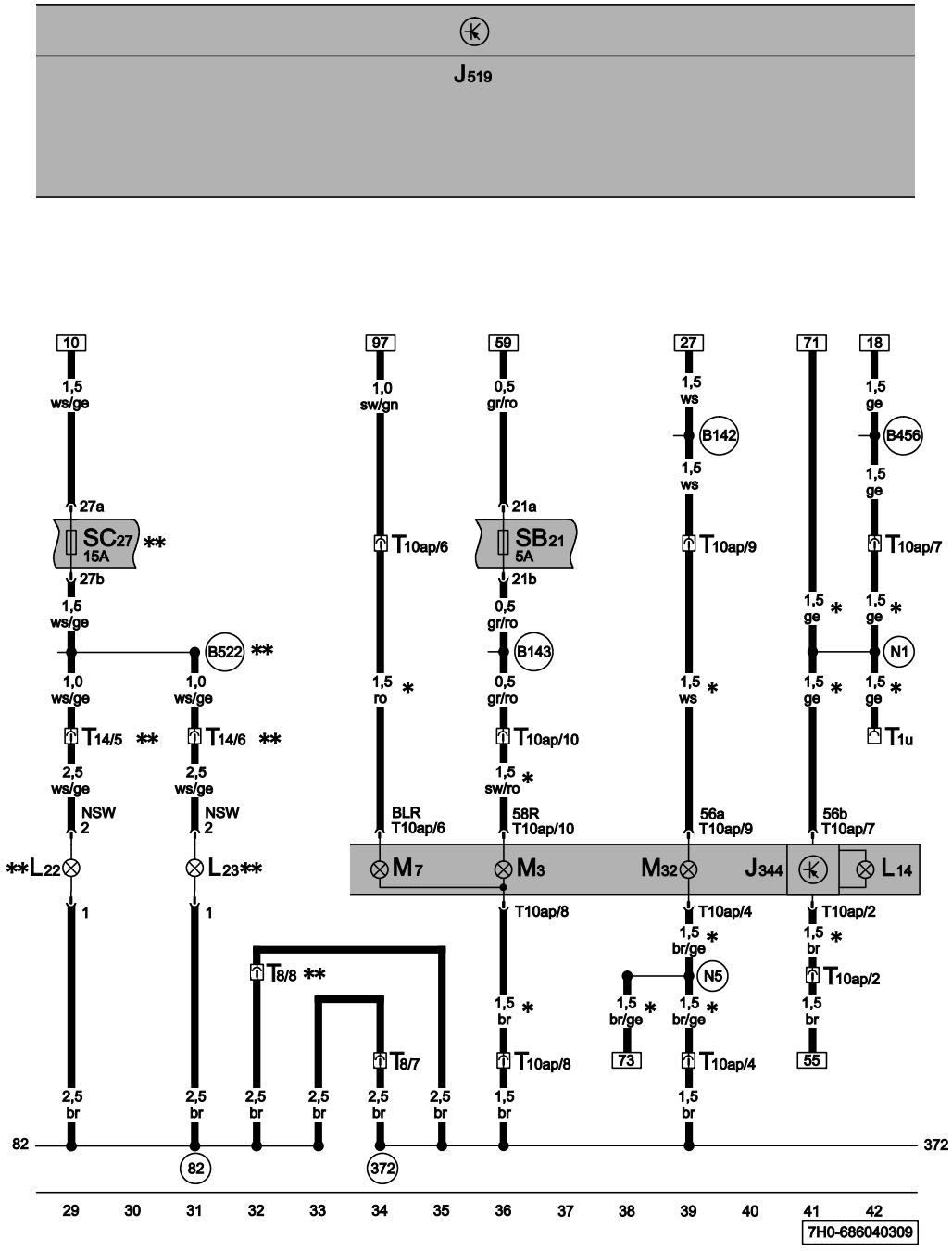
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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, left gas discharge bulb, left headlight main beam bulb, left headlight range control motor, left side light bulb, front left turn signal bulb

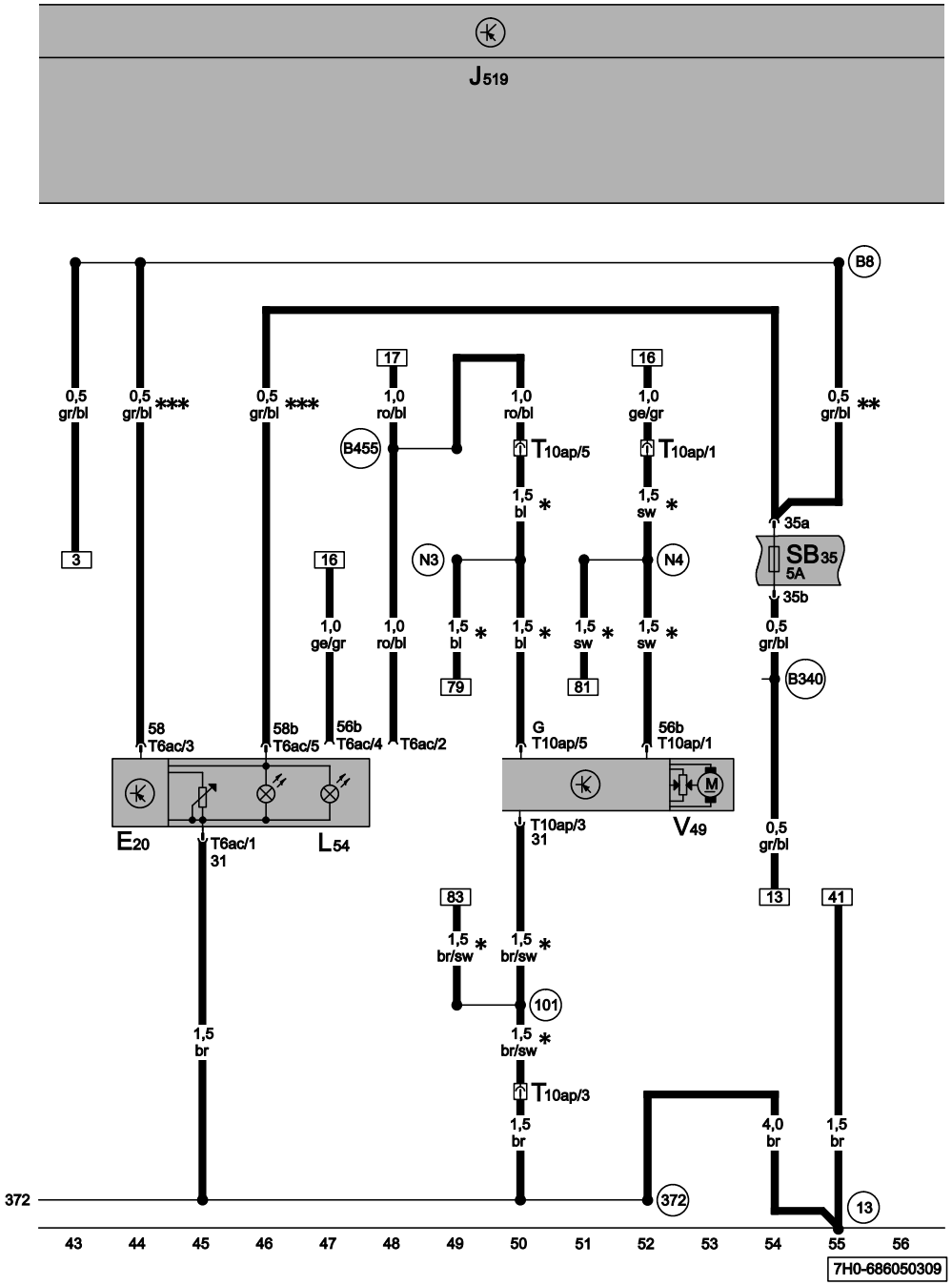
J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T8	8-pin connector, black, near headlight, front right
T10aq	10-pin connector, black, on left of headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right gas discharge (xenon) bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb, fog light bulb

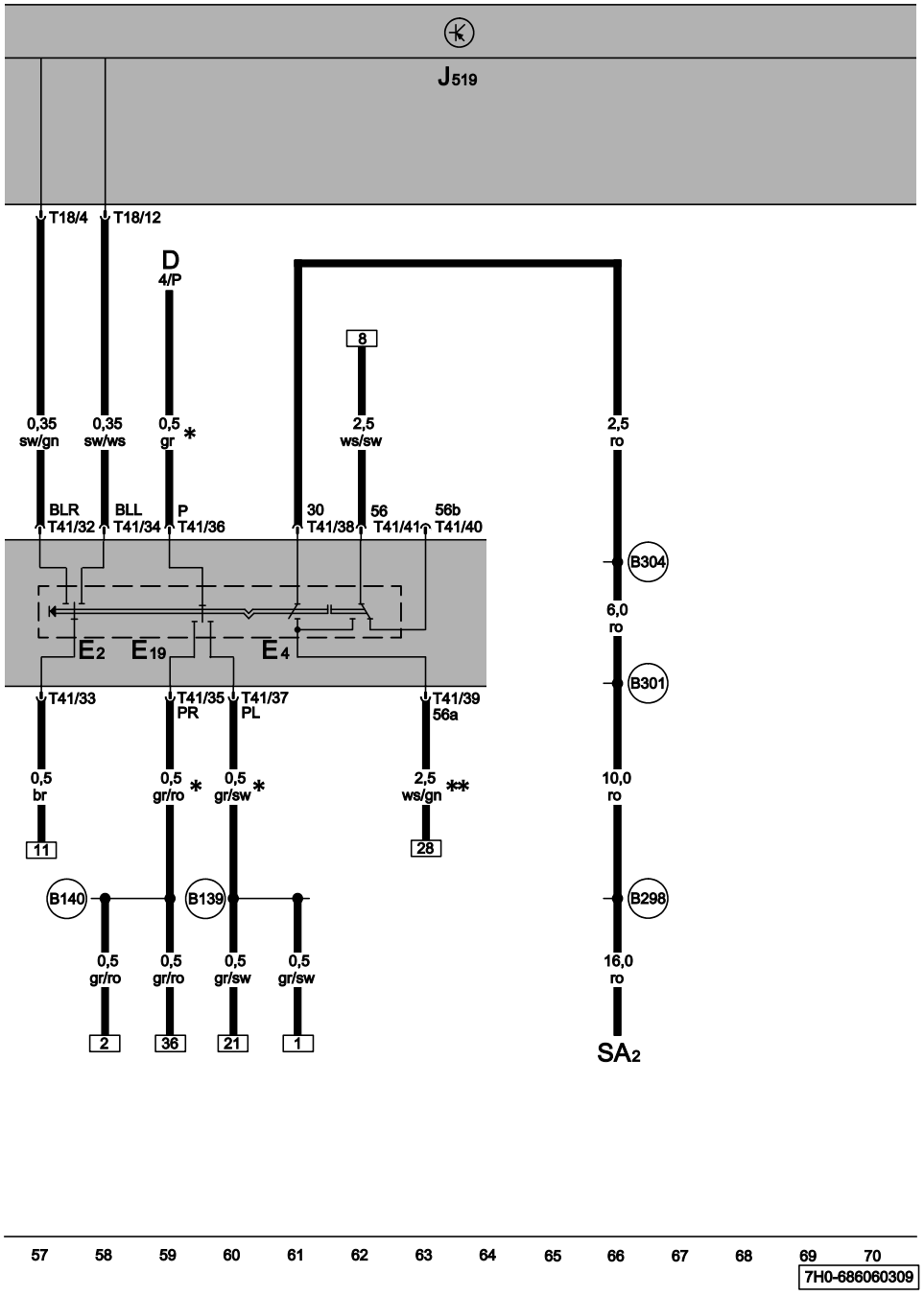
J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SC27	Fuse 27 on fuse holder C
T1u	Single connector
T8	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T14	14-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
N1	Positive connection (56bR), in headlight range adjustment wiring harness
N5	Connection 4, in headlight range control wiring harness
*	adapter wire
**	for models with front fog light only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse, right headlight range control motor, switch and instrument illumination regulator

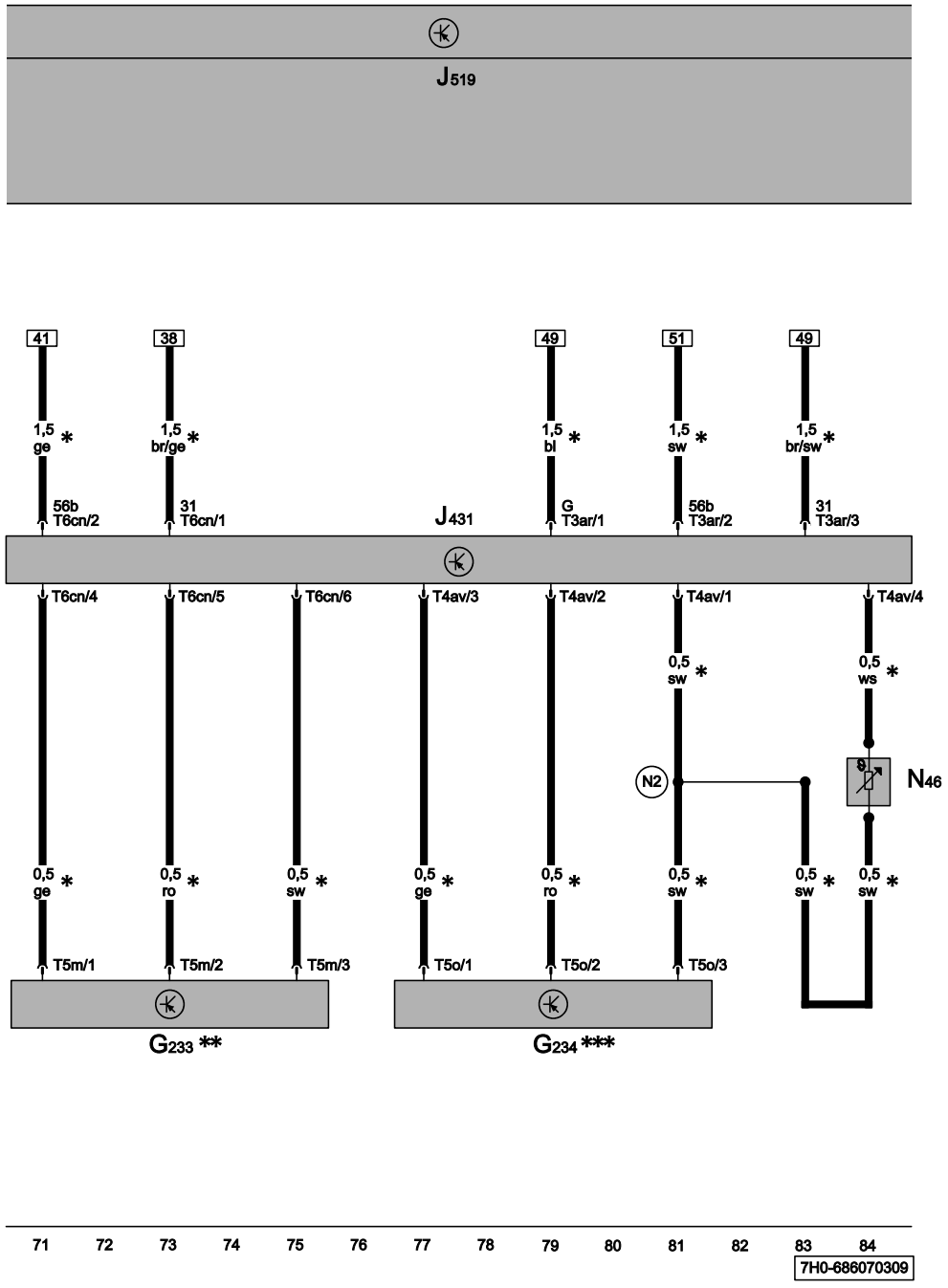
E20	Switches and instruments illumination regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
101	Earth connection, in headlight range adjustment wiring harness
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
N3	Connection 2, in headlight range control wiring harness
N4	Connection 3, in headlight range control wiring harness
*	adapter wire
**	for models without dimming instruments illumination only
***	for models with dimming instruments illumination only



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

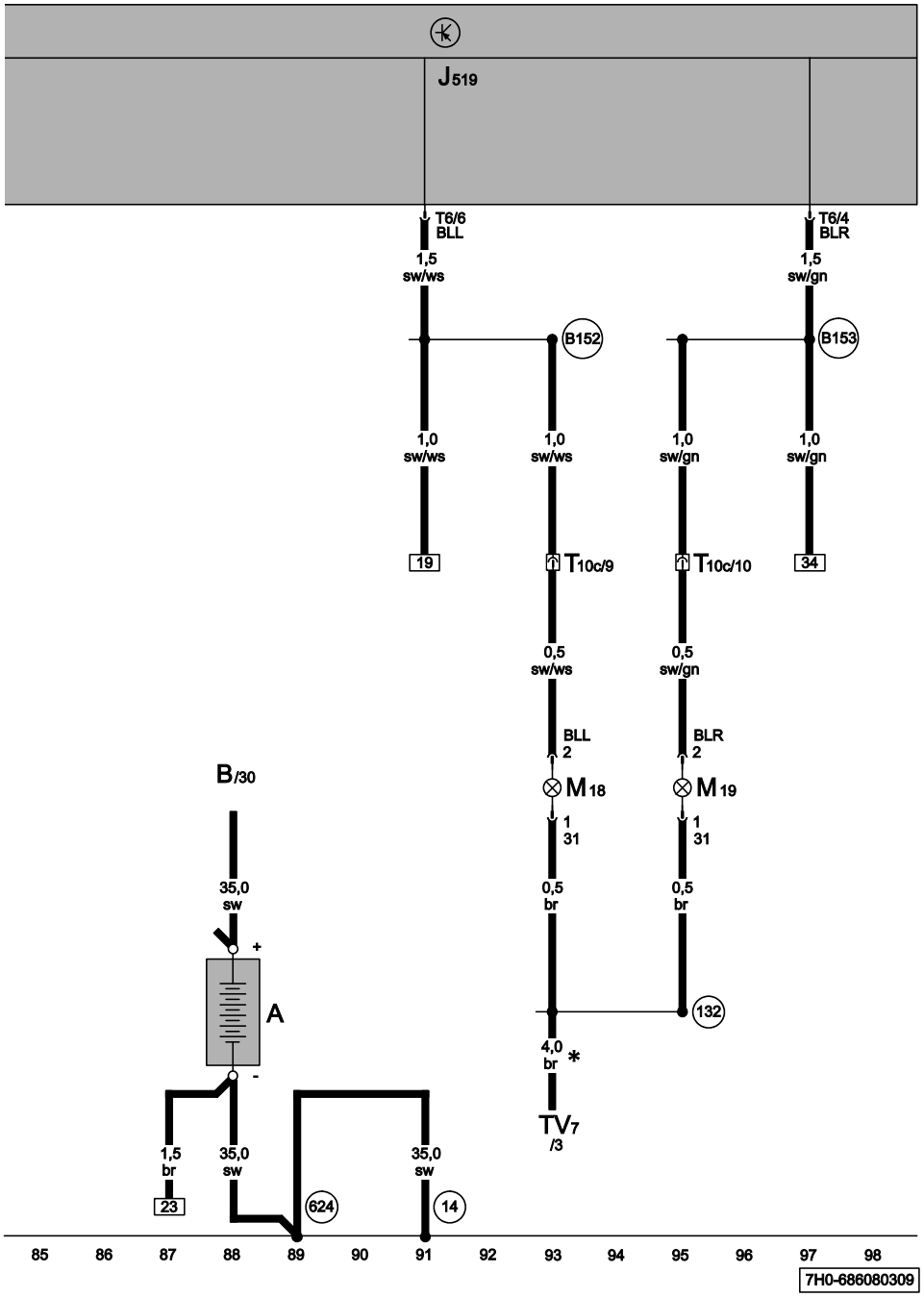
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ro	=	red
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gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Headlight range control sender 1, headlight range control sender 2, control unit for headlight range control, measuring resistor

G233	Headlight range control sender 1
G234	Headlight range control sender 2
J431	Headlight range control, control unit
J519	Onboard supply control unit
N46	Measuring resistor
T3ar	3-pin connector, black
T4av	4-pin connector, black
T5m	5-pin connector, blue, on headlight range control sender 1
T5o	5-pin connector, blue, on headlight range control sender 2
T6cn	6-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	adapter wire
**	on front axle
***	on rear axle

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

A	Battery
B	Starter
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
14	Earth point, on gearbox
132	Earth connection 3, in engine compartment wiring harness
624	Earth point, starter battery
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 6.0 possible

Gas discharge headlights with automatic headlight range control

from January 2005

Notes:

For information concerning

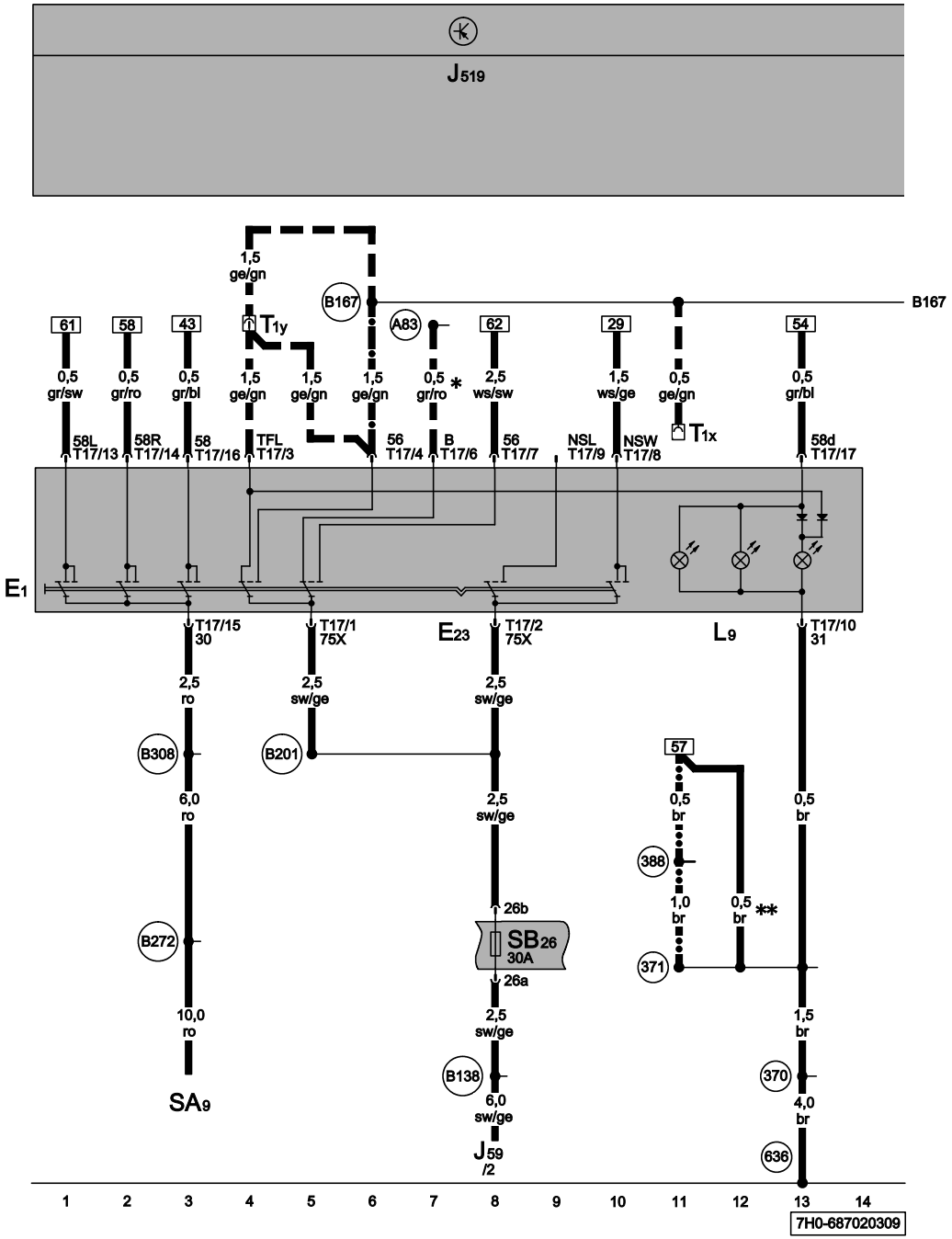
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Light switch, front and rear fog light switch, fuses

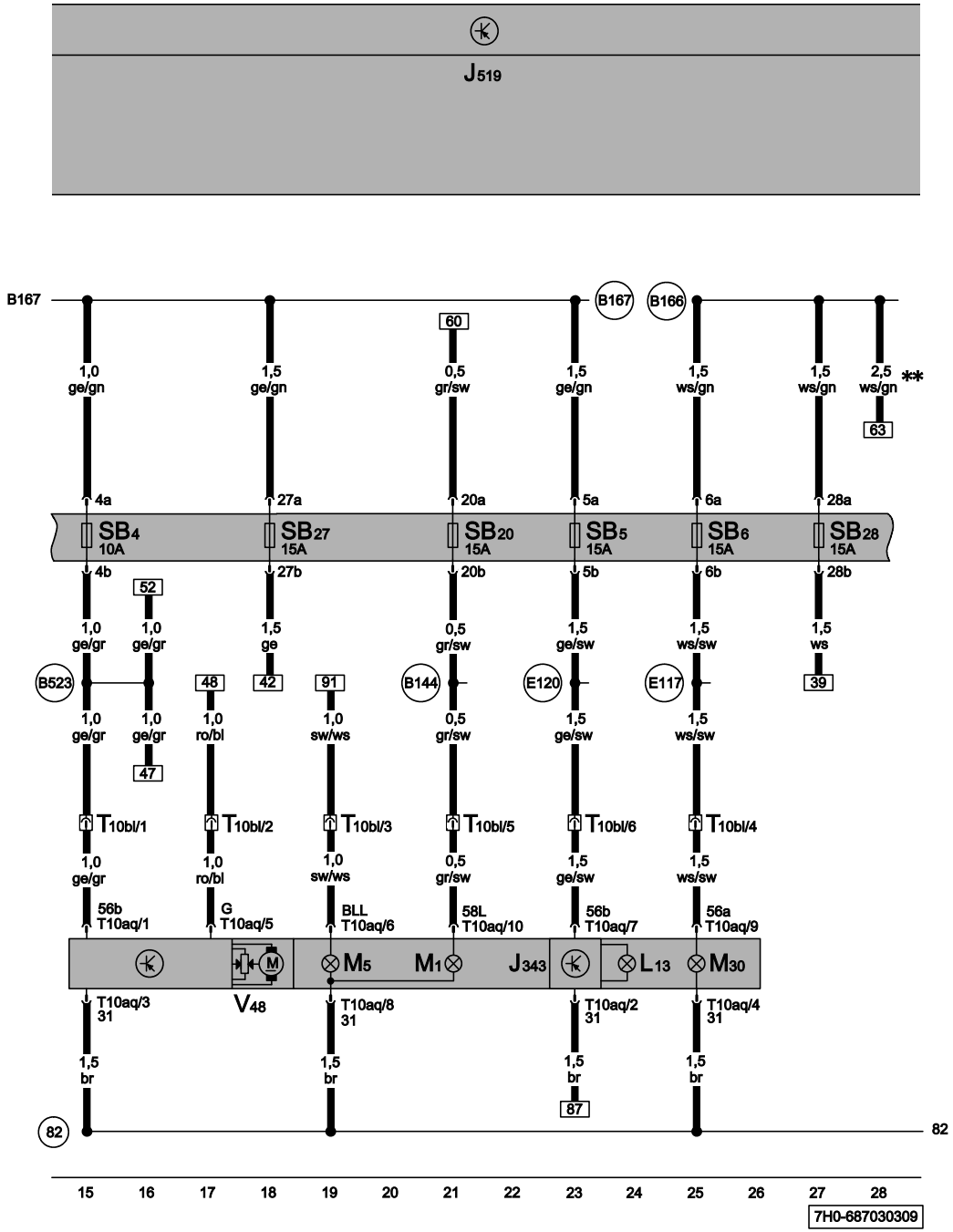
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T1x	Single connector, near light switch
T1y	Single connector, near light switch
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	⇒ Current Flow Diagram for daytime running lights
**	applicable up to December 2005

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for models with day driving light only

m_m.png
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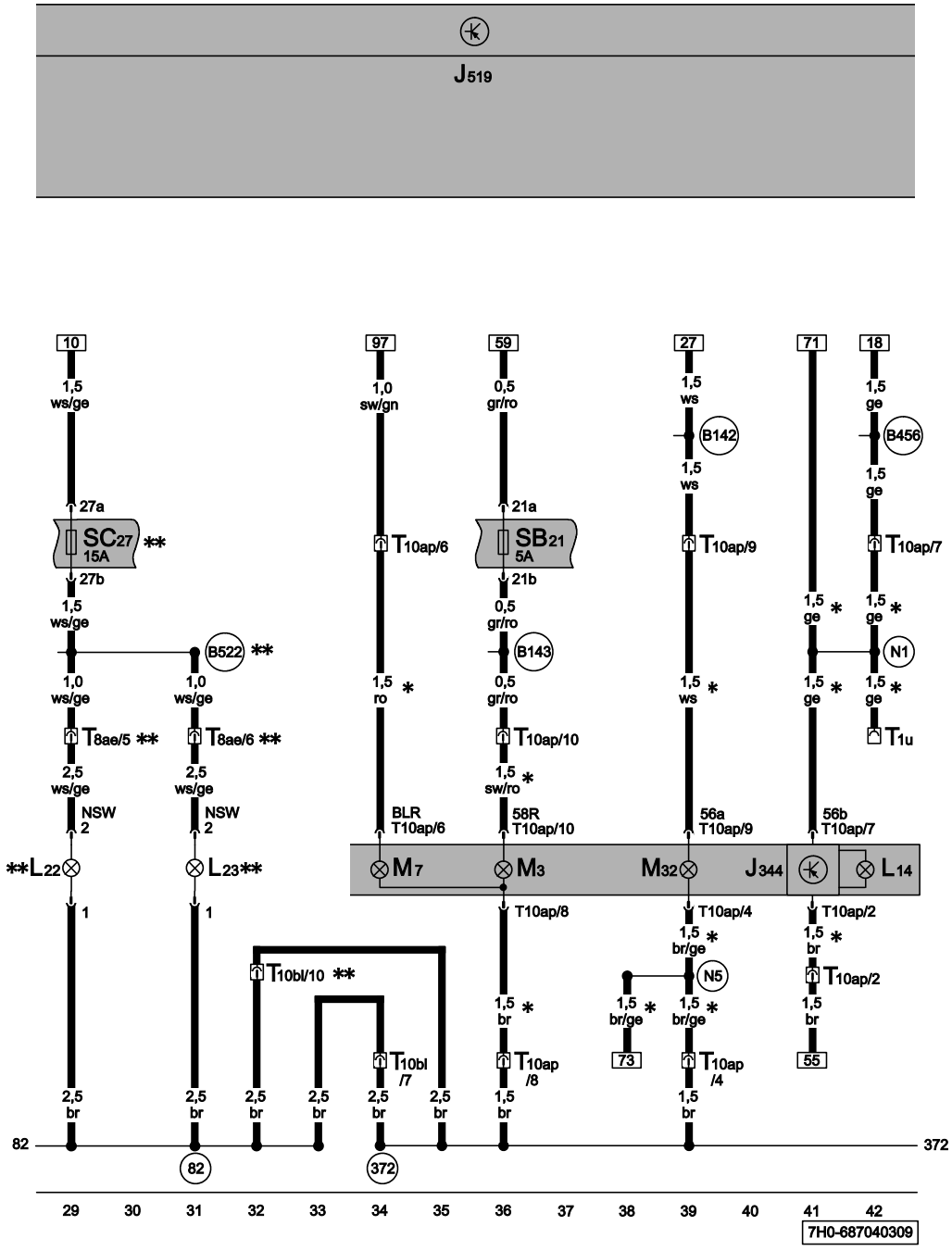
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, left gas discharge bulb, left headlight main beam bulb, left headlight range control motor, left side light bulb, front left turn signal bulb

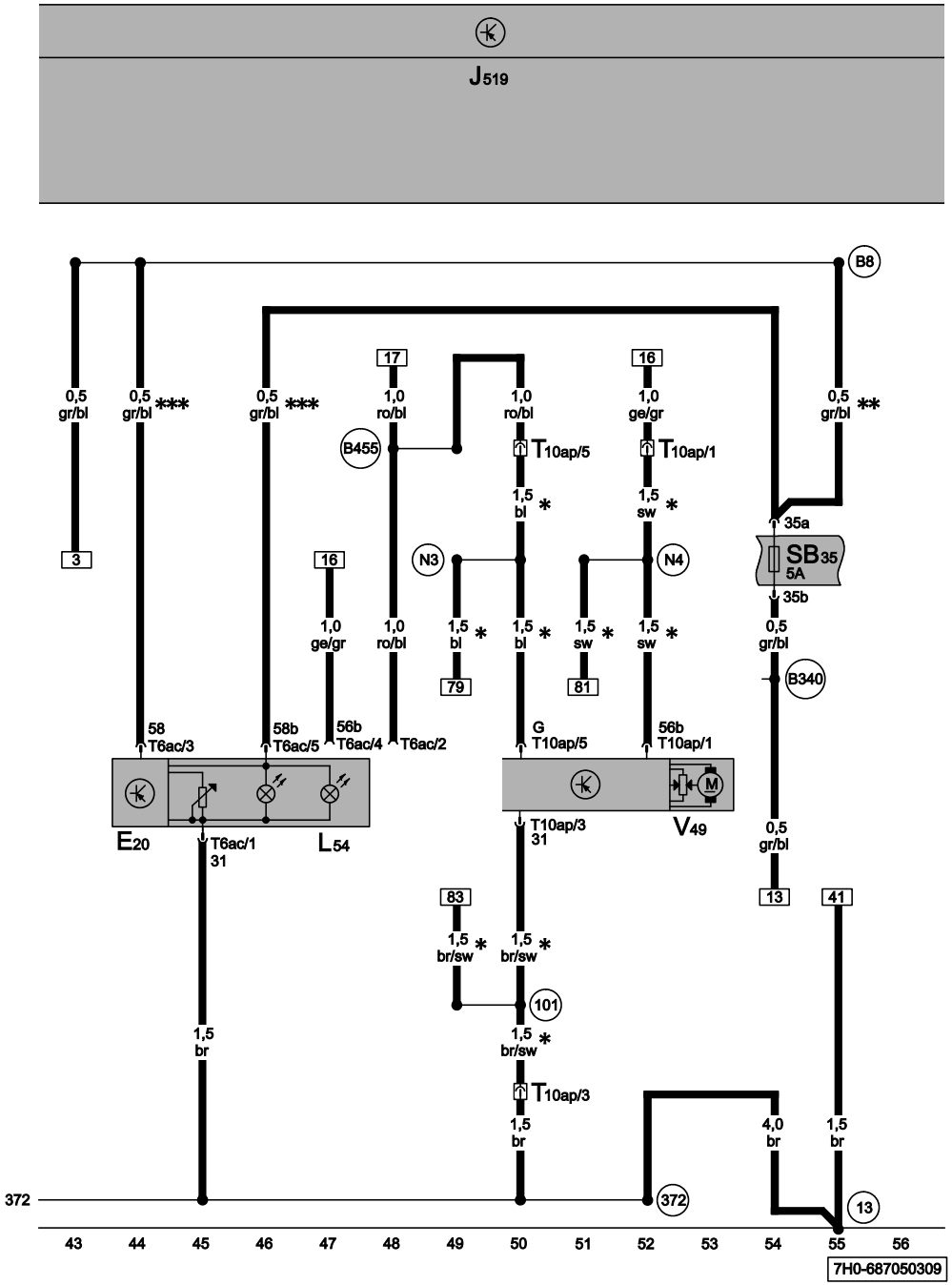
J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right gas discharge (xenon) bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb, fog light bulb

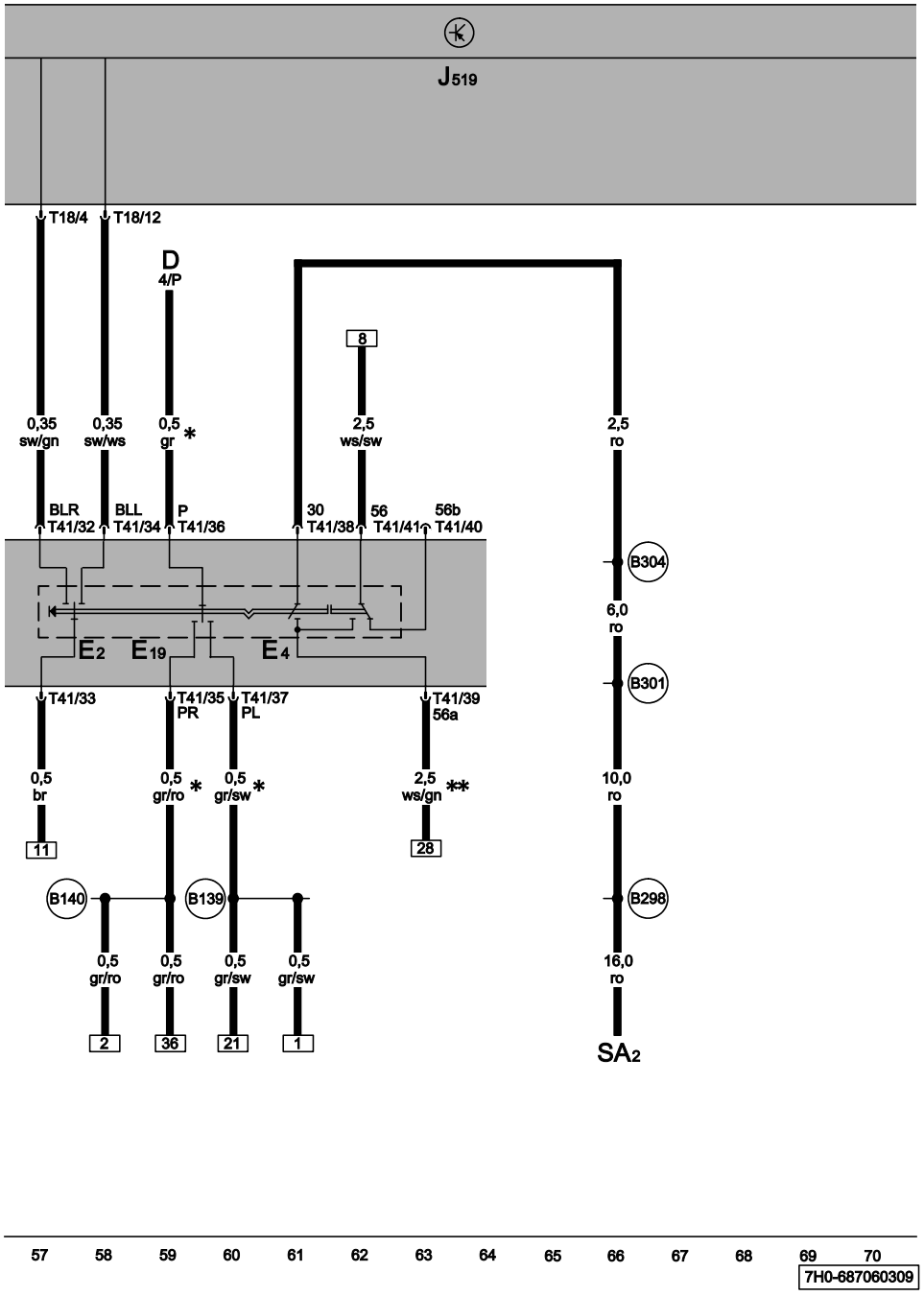
J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SC27	Fuse 27 on fuse holder C
T1u	Single connector
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
82	Earth connection 1, in front left wiring harness
372	Earth connection 7, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B143	Positive connection (58R), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
N1	Positive connection (56bR), in headlight range adjustment wiring harness
N5	Connection 4, in headlight range control wiring harness
*	adapter wire
**	for models with front fog light only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuse, right headlight range control motor, switch and instrument illumination regulator

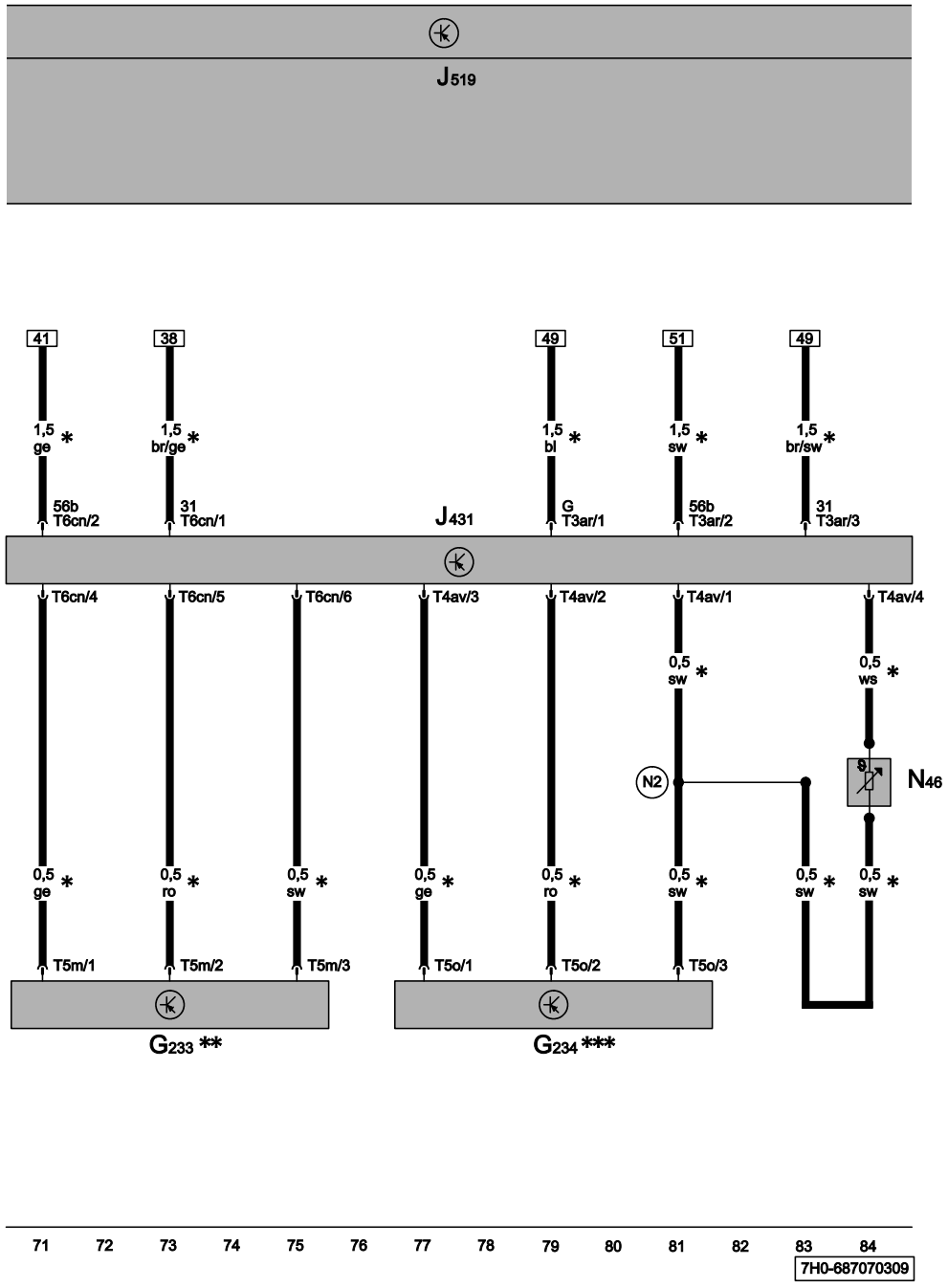
E20	Switches and instruments illumination regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
101	Earth connection, in headlight range adjustment wiring harness
372	Earth connection 7, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
N3	Connection 2, in headlight range control wiring harness
N4	Connection 3, in headlight range control wiring harness
*	adapter wire
**	for models without dimming instruments illumination only
***	for models with dimming instruments illumination only



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

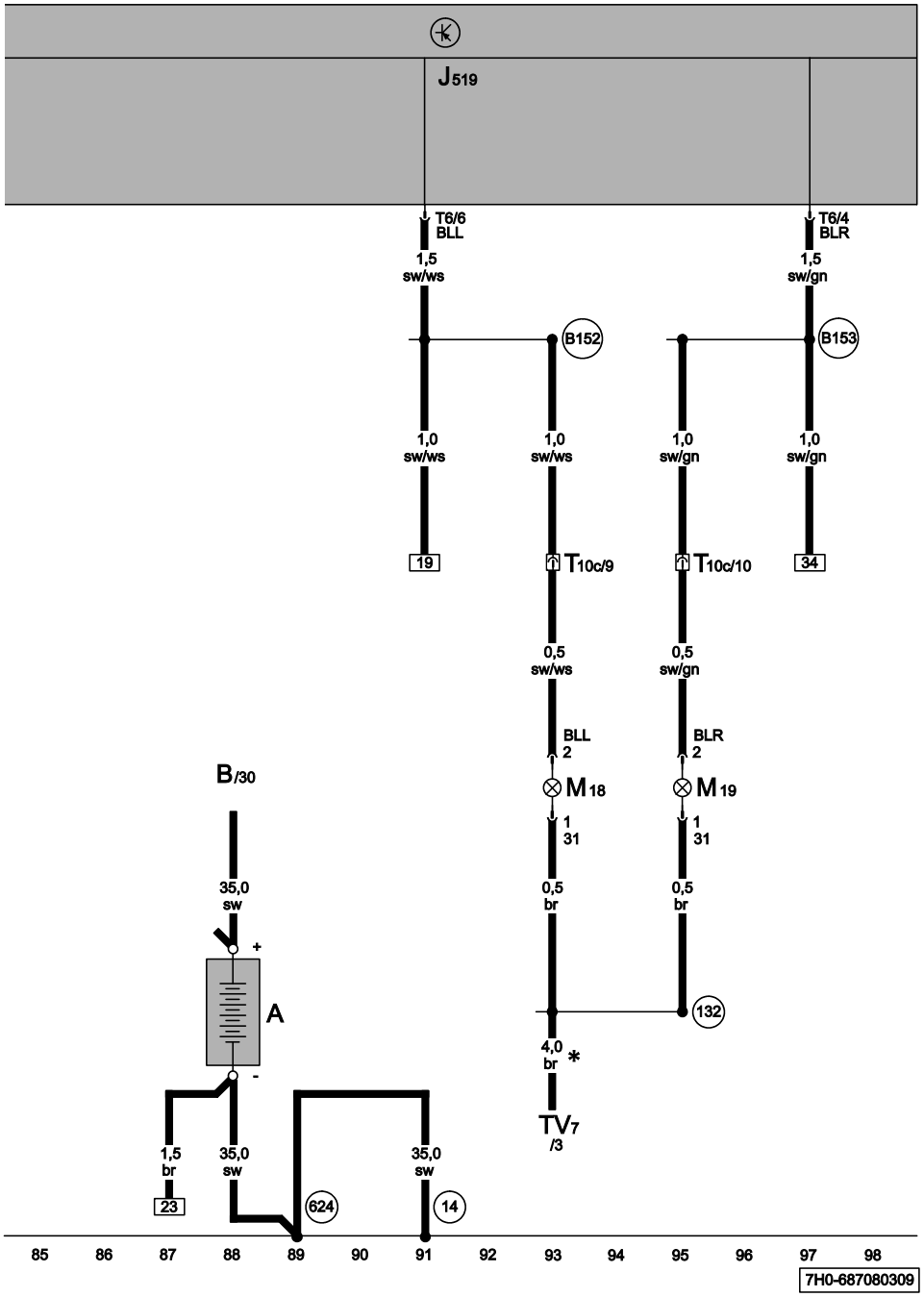
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sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Headlight range control sender 1, headlight range control sender 2, control unit for headlight range control, measuring resistor

G233	Headlight range control sender 1
G234	Headlight range control sender 2
J431	Headlight range control, control unit
J519	Onboard supply control unit
N46	Measuring resistor
T3ar	3-pin connector, black
T4av	4-pin connector, black
T5m	5-pin connector, blue, on headlight range control sender 1
T5o	5-pin connector, blue, on headlight range control sender 2
T6cn	6-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	adapter wire
**	on front axle
***	on rear axle

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

A	Battery
B	Starter
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
14	Earth point, on gearbox
132	Earth connection 3, in engine compartment wiring harness
624	Earth point, starter battery
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 6.0 possible

Gas discharge headlights with automatic headlight range control

from June 2007

Notes:

For information concerning

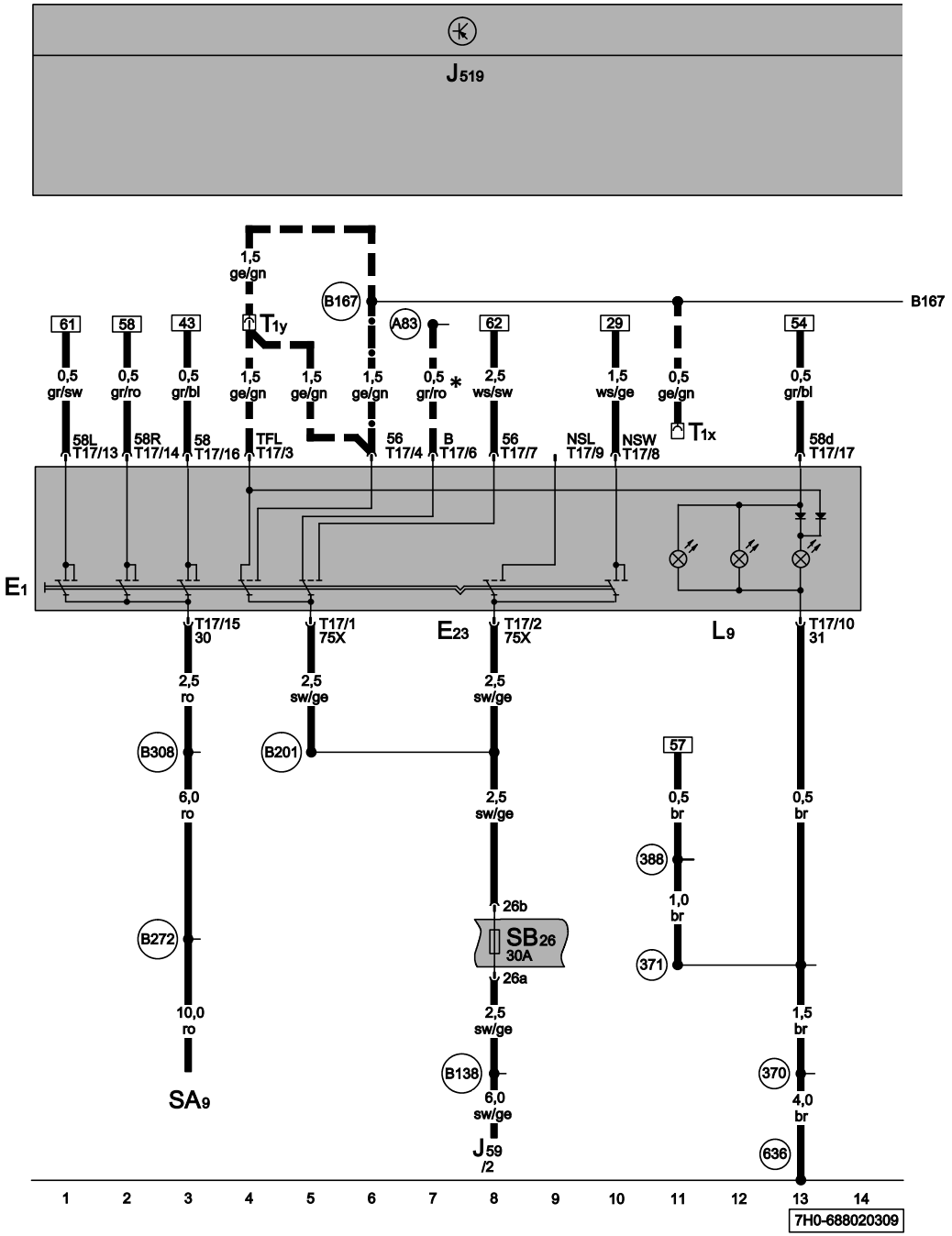
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



ws = white

Light switch, front and rear fog light switch, fuses

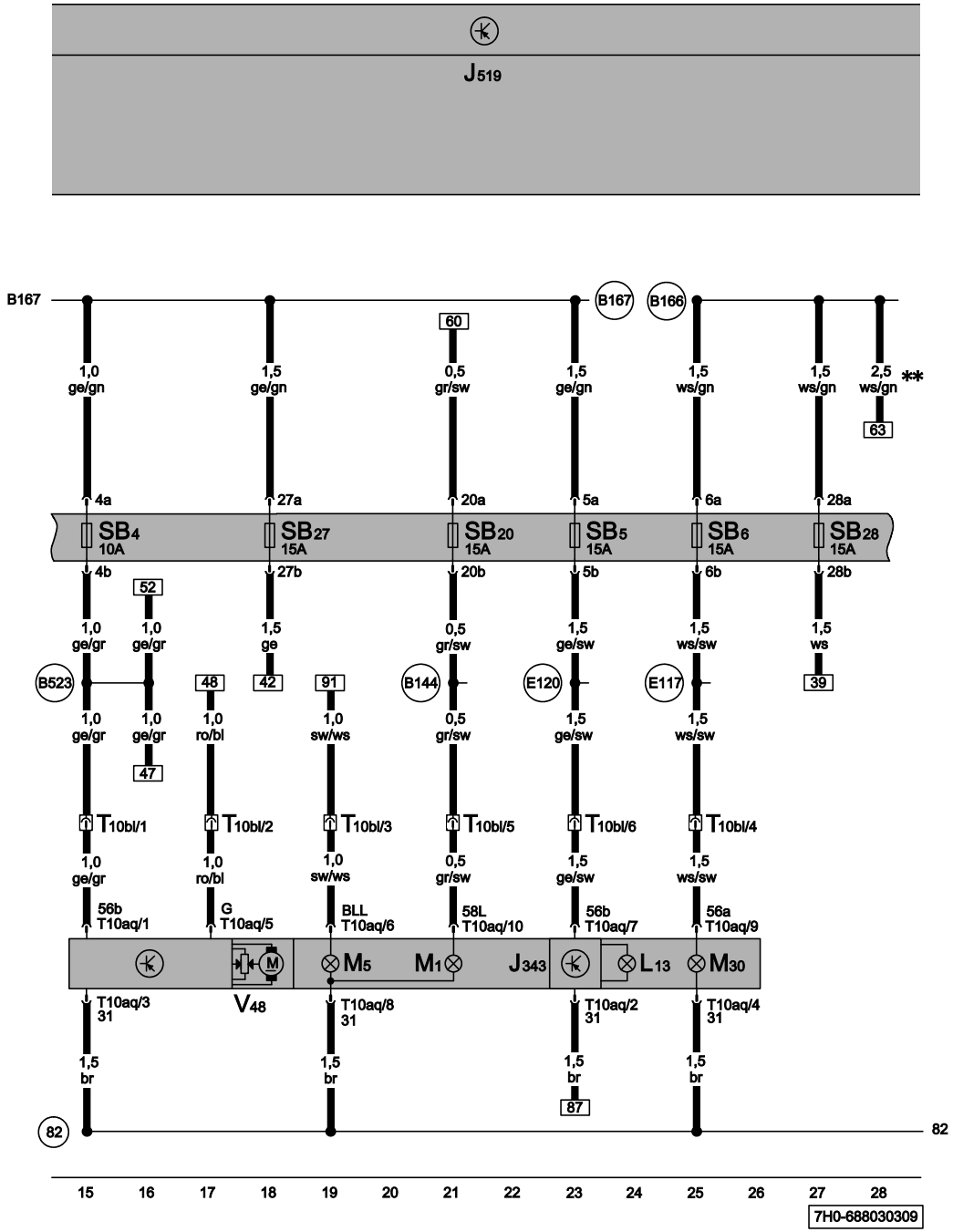
E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T1x	Single connector, near light switch
T1y	Single connector, near light switch
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness

* ⇒ Current Flow Diagram for daytime running lights for models with day driving light only

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br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

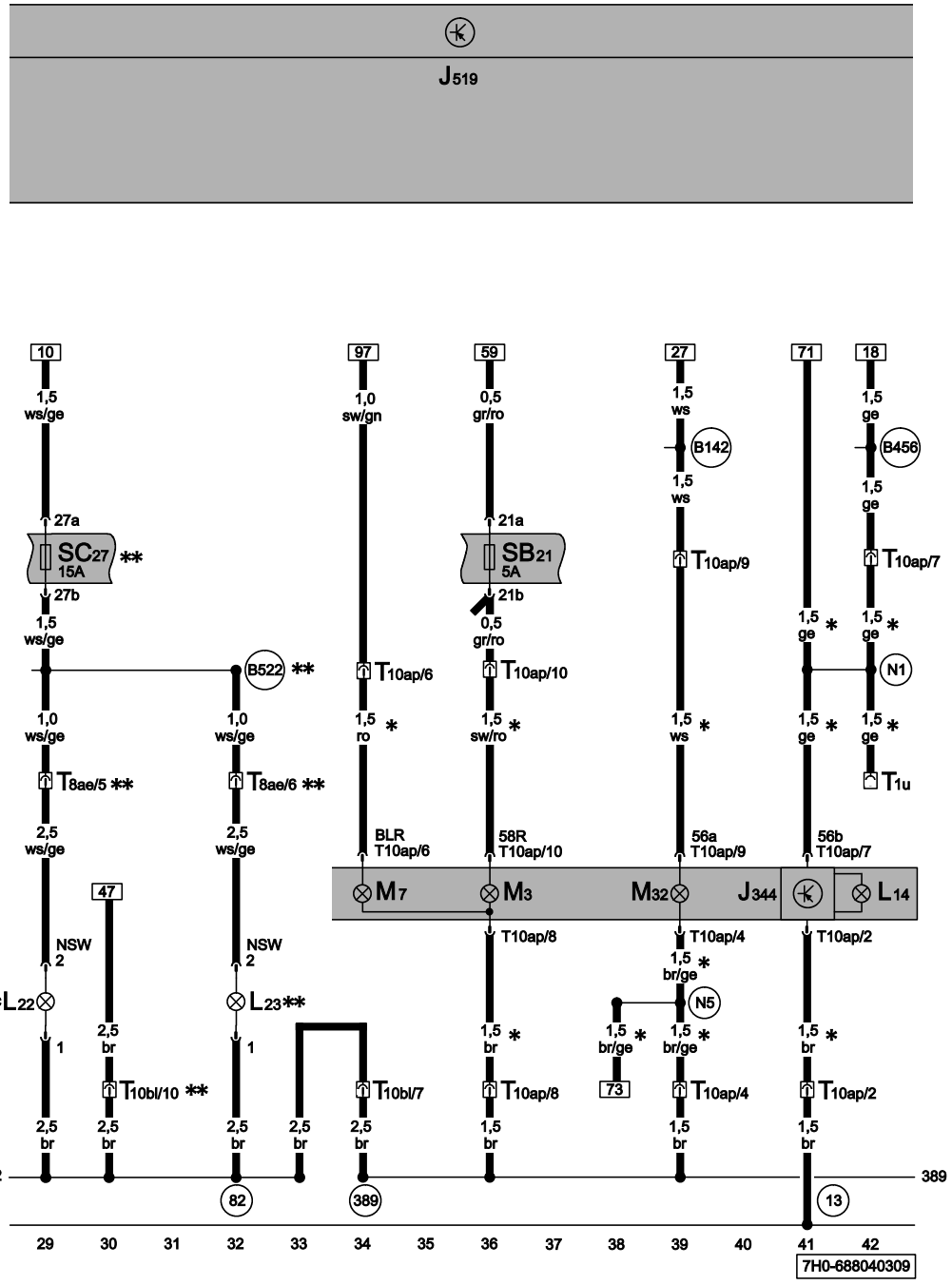
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uniform"/
>



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, left gas discharge bulb, left headlight main beam bulb, left headlight range control motor, left side light bulb, front left turn signal bulb

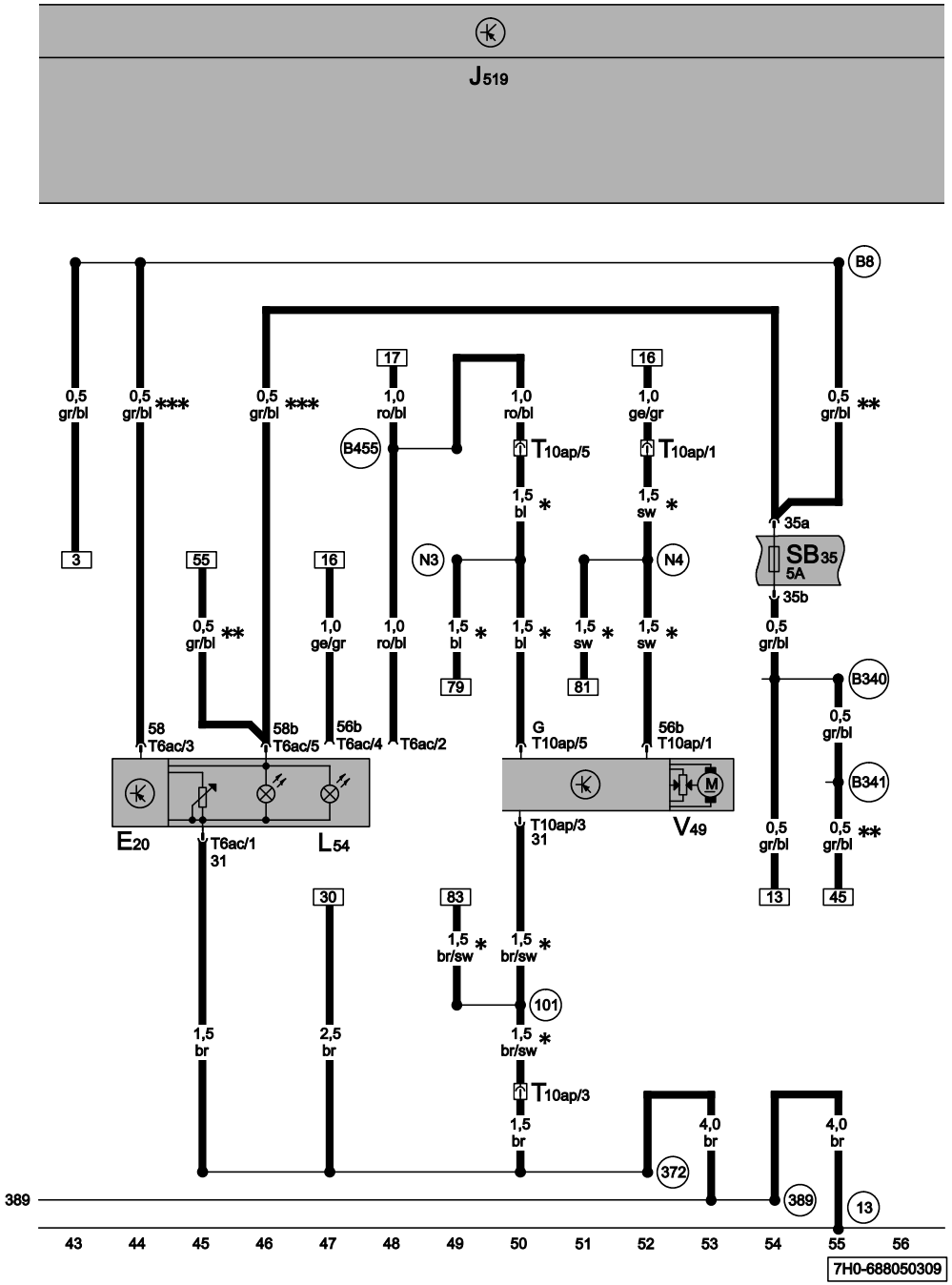
J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right gas discharge (xenon) bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb, fog light bulb

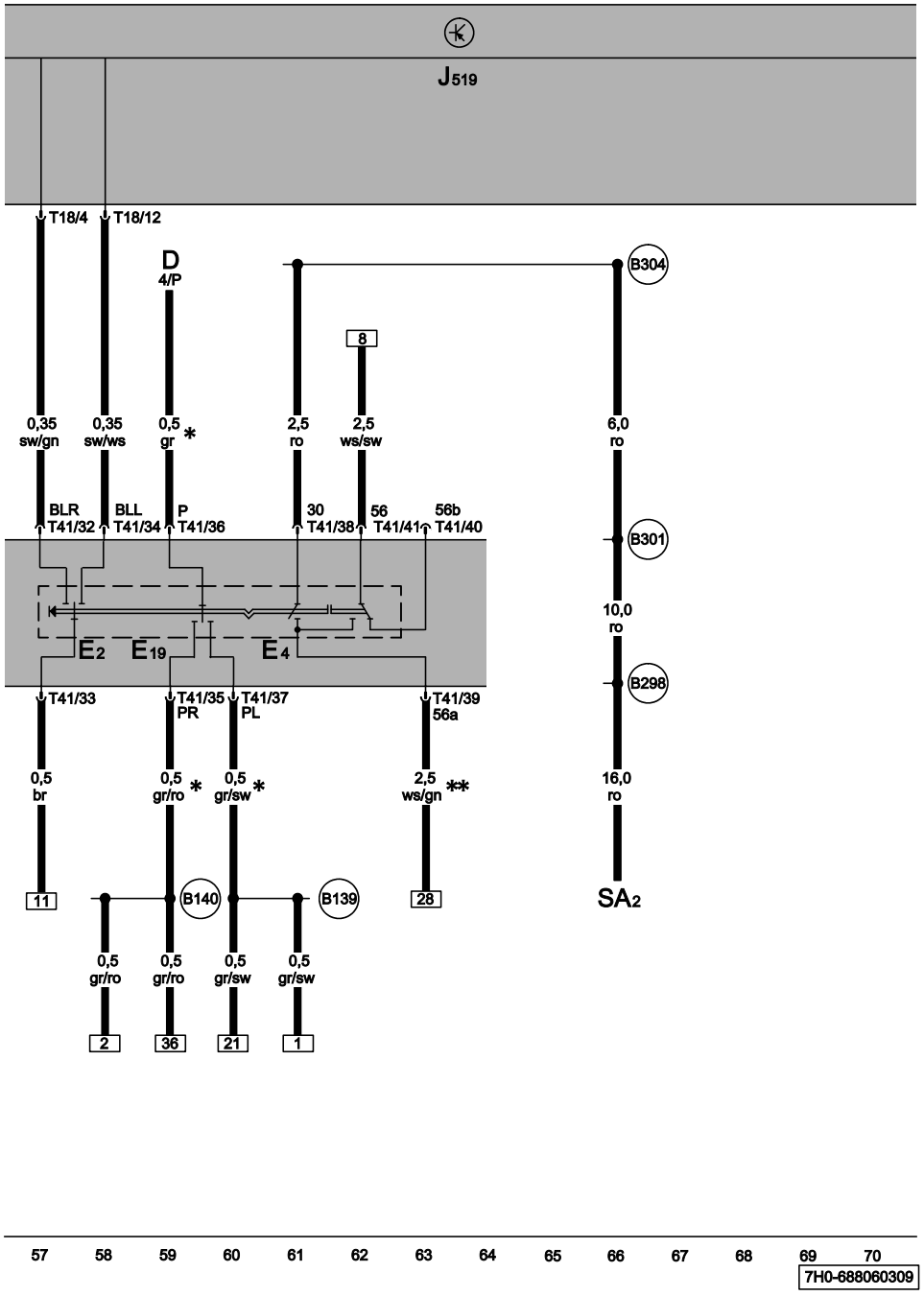
J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SC27	Fuse 27 on fuse holder C
T1u	Single connector
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
13	Earth point, on right in engine compartment
82	Earth connection 1, in front left wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
N1	Positive connection (56bR), in headlight range adjustment wiring harness
N5	Connection 4, in headlight range control wiring harness
*	adapter wire
**	for models with front fog light only



Fuse, right headlight range control motor, switch and instrument illumination regulator

E20	Switches and instruments illumination regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
101	Earth connection, in headlight range adjustment wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
N3	Connection 2, in headlight range control wiring harness
N4	Connection 3, in headlight range control wiring harness
*	adapter wire
**	for models without dimming instruments illumination only
***	for models with dimming instruments illumination only

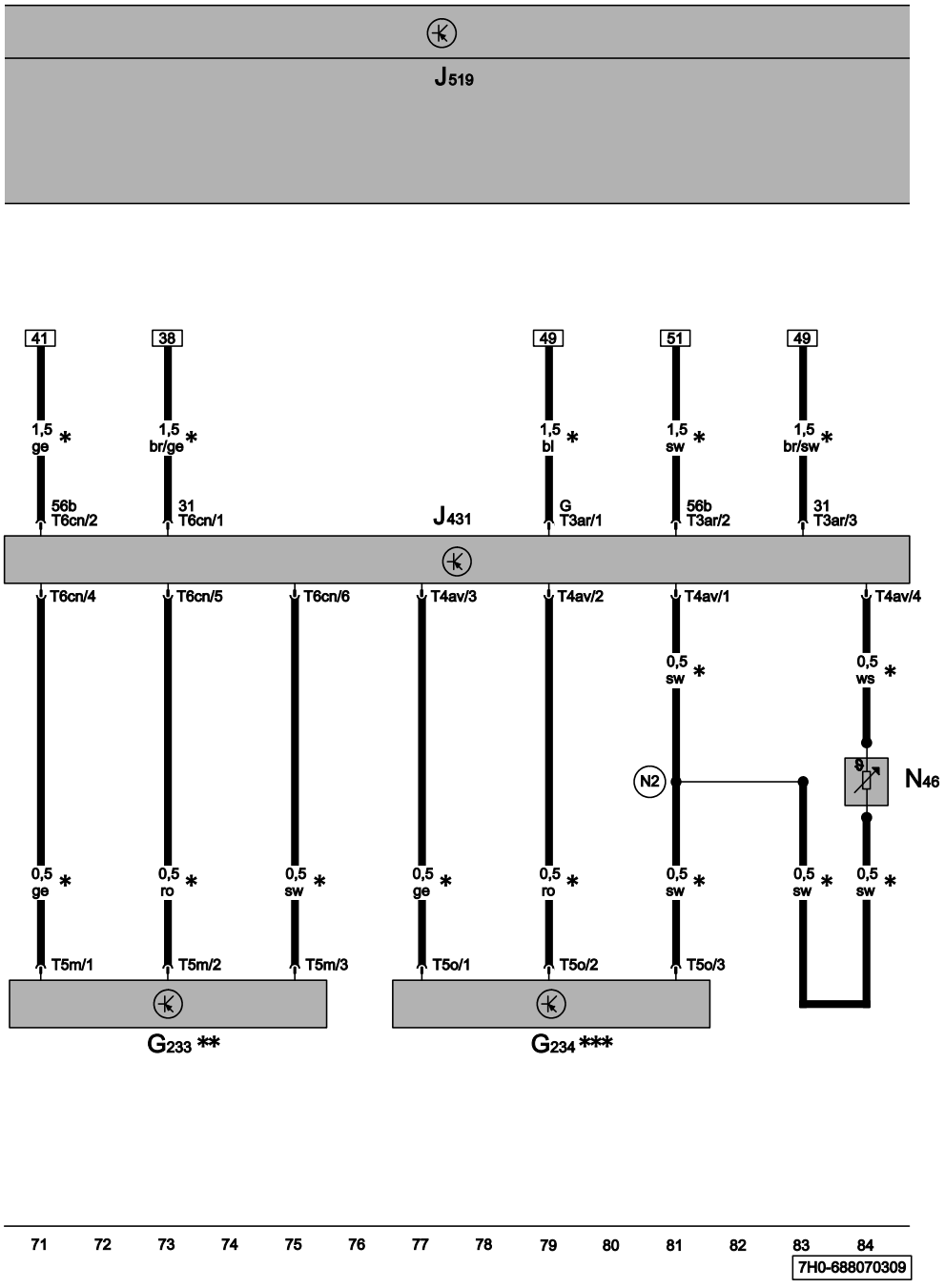
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, fuses

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB14	Fuse 14 on fuse holder B
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

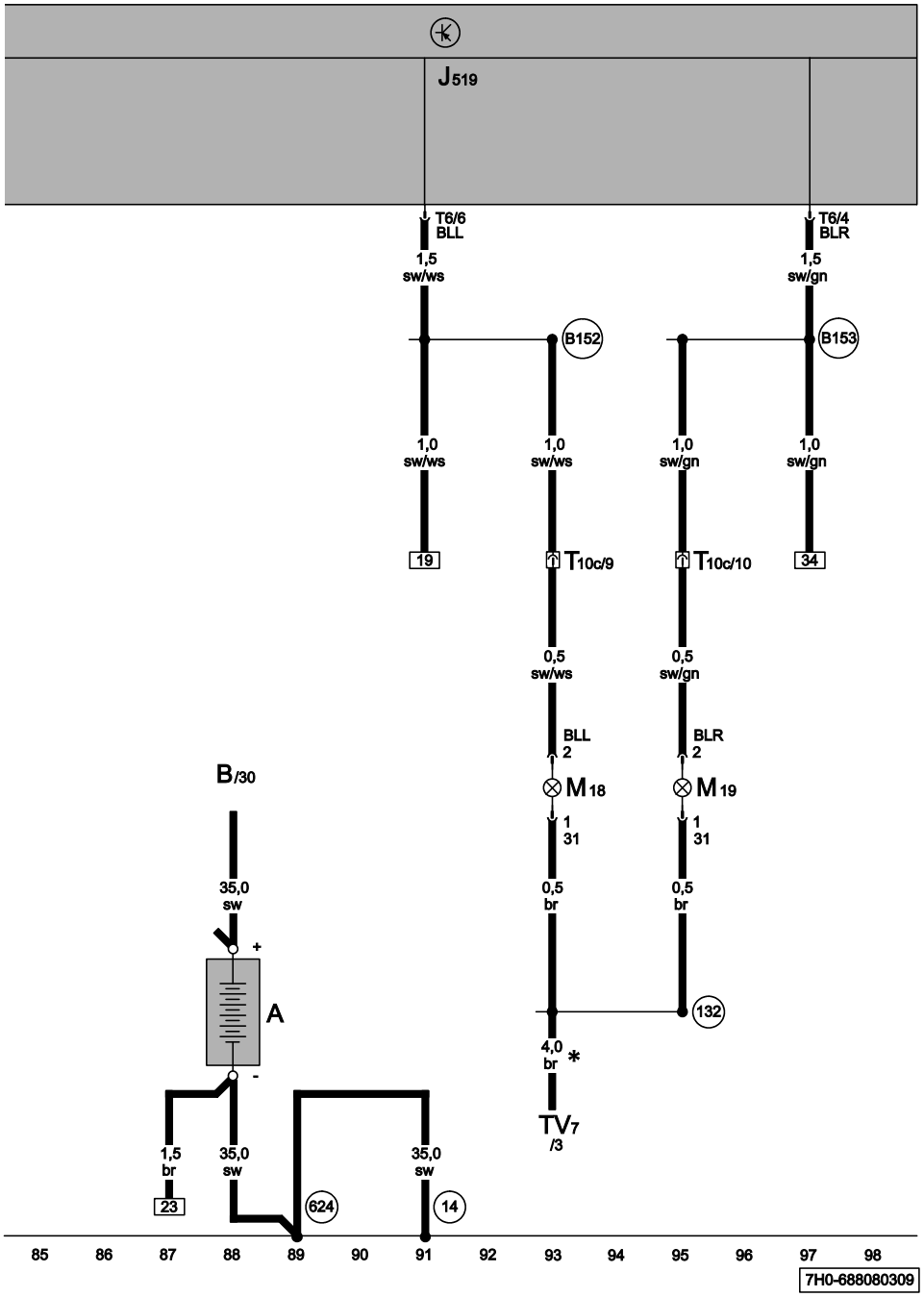
ws	=	white
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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Headlight range control sender 1, headlight range control sender 2, control unit for headlight range control, measuring resistor

G233	Headlight range control sender 1
G234	Headlight range control sender 2
J431	Headlight range control, control unit
J519	Onboard supply control unit
N46	Measuring resistor
T3ar	3-pin connector, black
T4av	4-pin connector, black
T5m	5-pin connector, blue, on headlight range control sender 1
T5o	5-pin connector, blue, on headlight range control sender 2
T6cn	6-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	adapter wire
**	on front axle
***	on rear axle

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

A	Battery
B	Starter
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
14	Earth point, on gearbox
132	Earth connection 3, in engine compartment wiring harness
624	Earth point, starter battery
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	Cross-section 6.0 possible

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

Gas discharge headlights with automatic headlight range control

from November 2007

Notes:

For information concerning

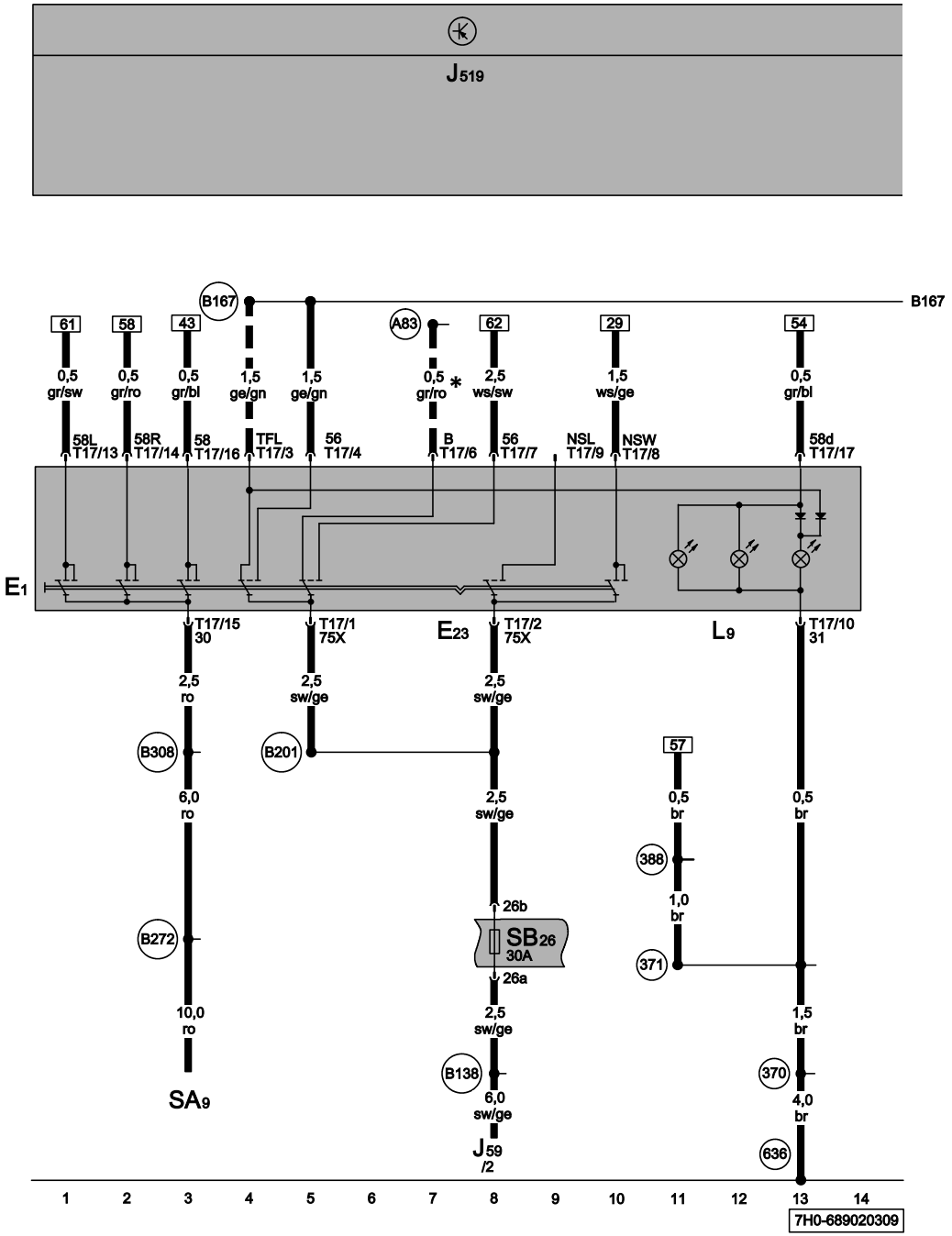
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!

For information concerning

- Fault Finding Programs

⇒ guided fault finding



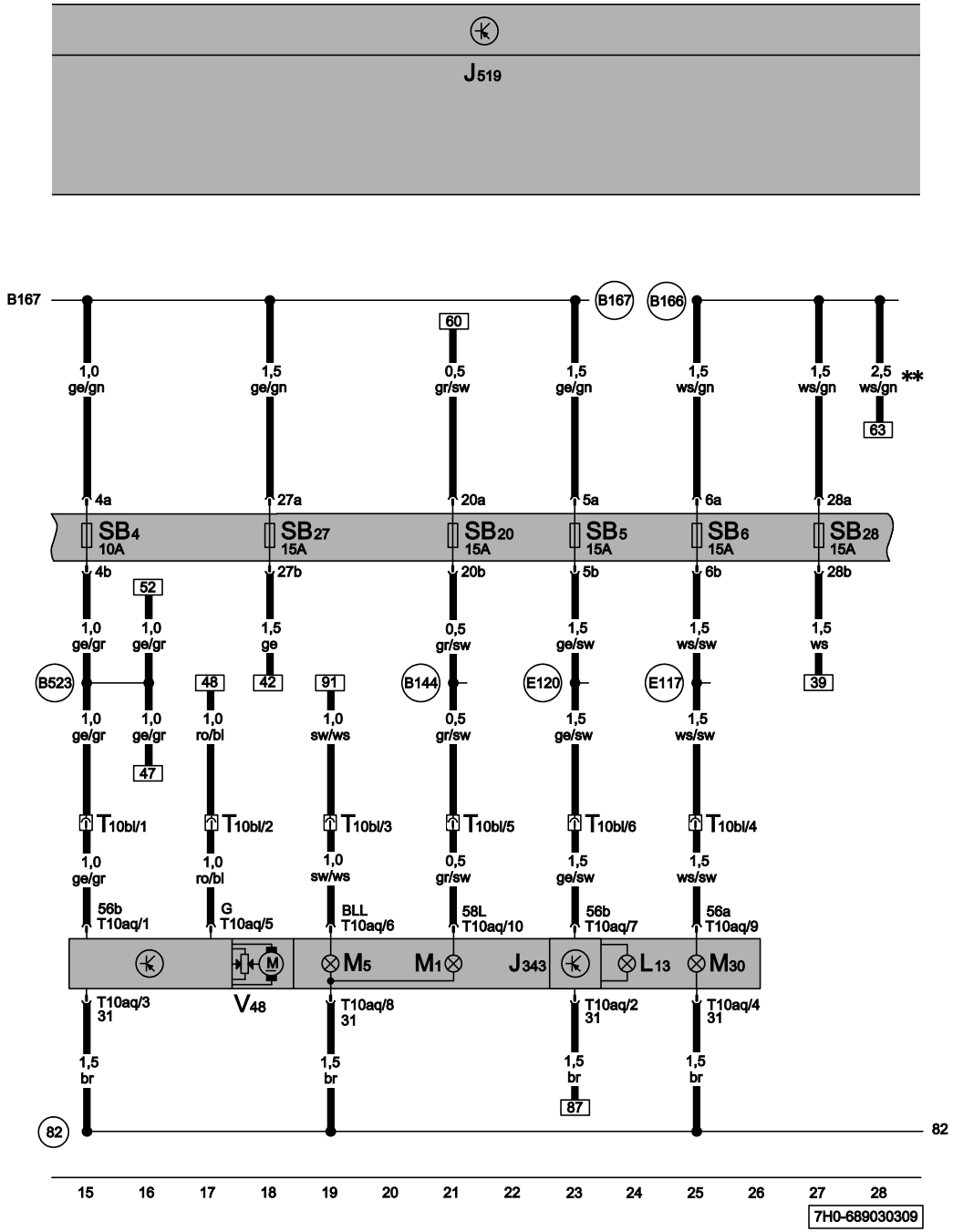
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Light switch, front and rear fog light switch, fuses

E1	Light switch
E23	Front and rear fog light switch
J59	X-contact relief relay
J519	Onboard supply control unit
L9	Light switch illumination bulb
SA9	Fuse 9 on fuse holder A
SB26	Fuse 26 on fuse holder B
T17	17-pin connector
370	Earth connection 5, in main wiring harness
371	Earth connection 6, in main wiring harness
388	Earth connection 23, in main wiring harness
636	Earth point, onboard supply control unit
A83	Connection (day driving light), in dash panel wiring harness
B138	Positive connection (X), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B201	Positive connection 4 (X), in interior wiring harness
B272	Positive connection (30), in main wiring harness
B308	Positive connection 12 (30), in main wiring harness
*	⇒ Current Flow Diagram for daytime running lights for models with day driving light only

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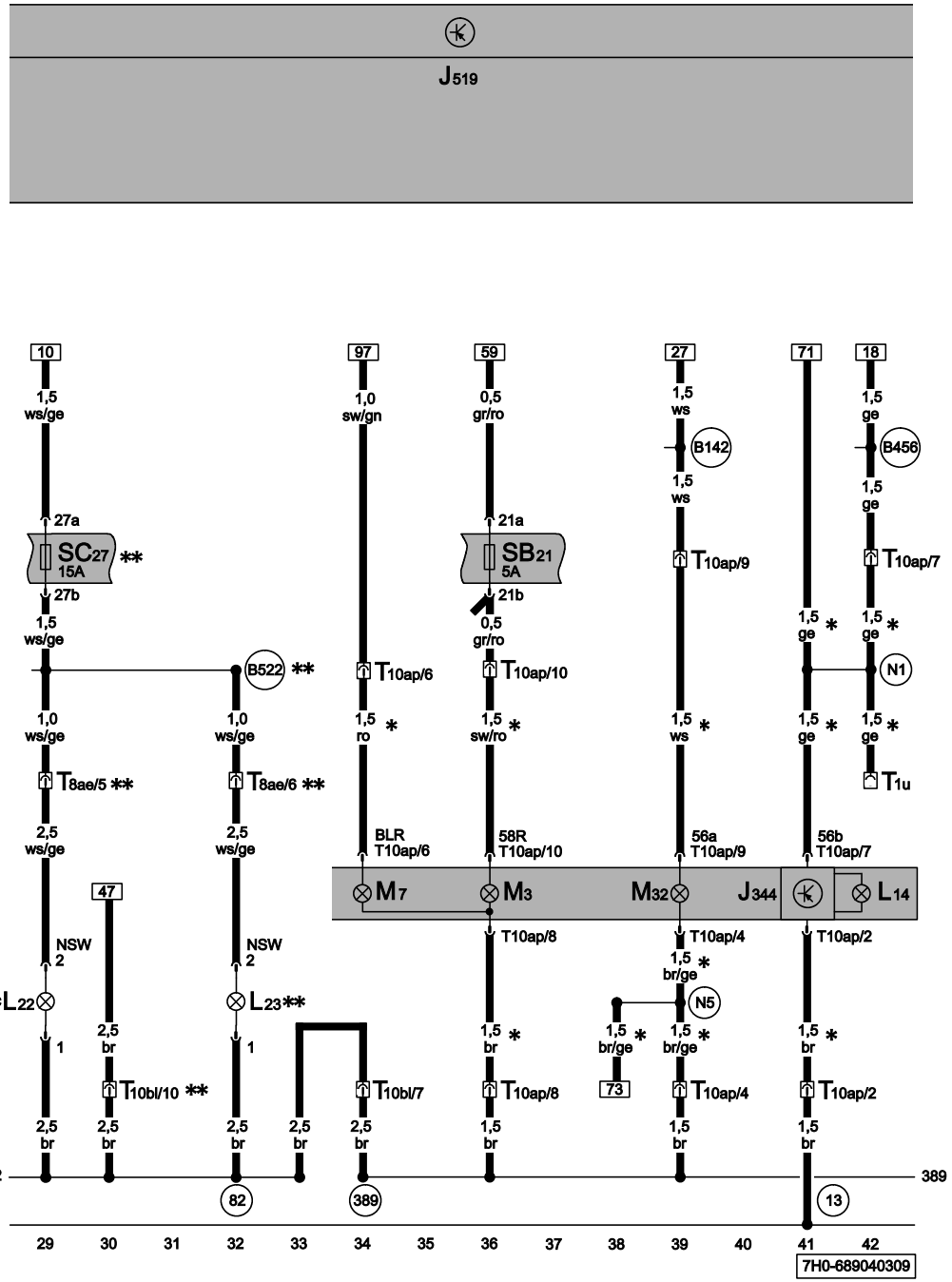
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gn	=	green	>
bl	=	blue	
gr	=	grey	
li	=	purple	
ge	=	yellow	
or	=	orange	
rs	=	pink	



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, left gas discharge bulb, left headlight main beam bulb, left headlight range control motor, left side light bulb, front left turn signal bulb

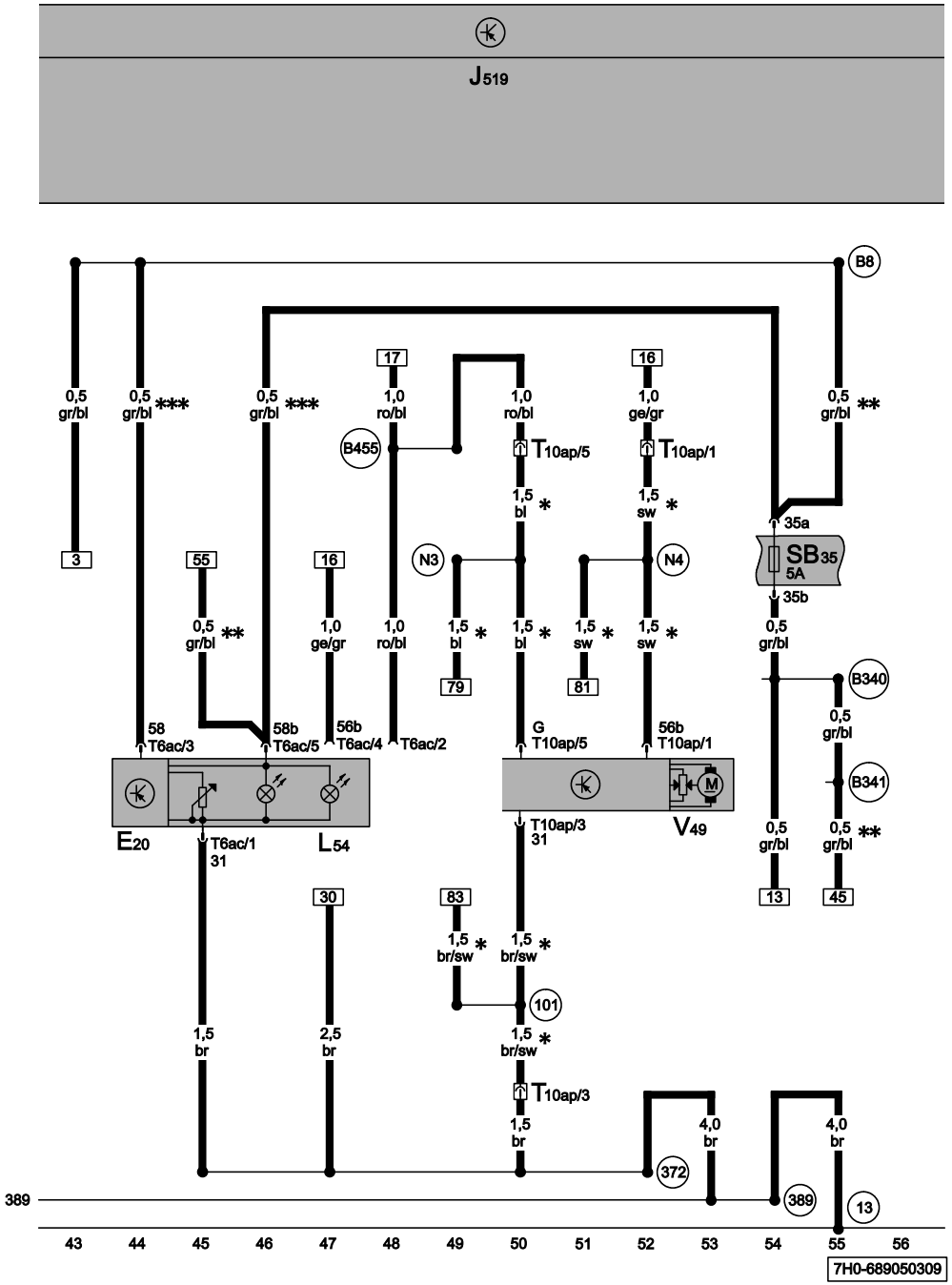
J343	Left gas discharge light control unit
J519	Onboard supply control unit
L13	Left gas discharge (xenon) bulb
M1	Left side light bulb
M5	Front left turn signal bulb
M30	Left main beam bulb
SB4	Fuse 4 on fuse holder B
SB5	Fuse 5 on fuse holder B
SB6	Fuse 6 on fuse holder B
SB20	Fuse 20 on fuse holder B
SB27	Fuse 27 on fuse holder B
SB28	Fuse 28 on fuse holder B
T10aq	10-pin connector, black, on left of headlight
T10bl	10-pin connector, black, near front right headlight
V48	Left headlight range control motor
82	Earth connection 1, in front left wiring harness
B144	Positive connection (58L), in interior wiring harness
B166	Connection (56a), in interior wiring harness
B167	Connection (56b), in interior wiring harness
B523	Connection (56, HRC), in main wiring harness
E117	Connection (56a, left), in dash panel wiring harness
E120	Connection (56b, left), in dash panel wiring harness
**	for models without taxi equipment only



ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

Fuses, right gas discharge (xenon) bulb, right headlight main beam bulb, right side light bulb, front right turn signal bulb, fog light bulb

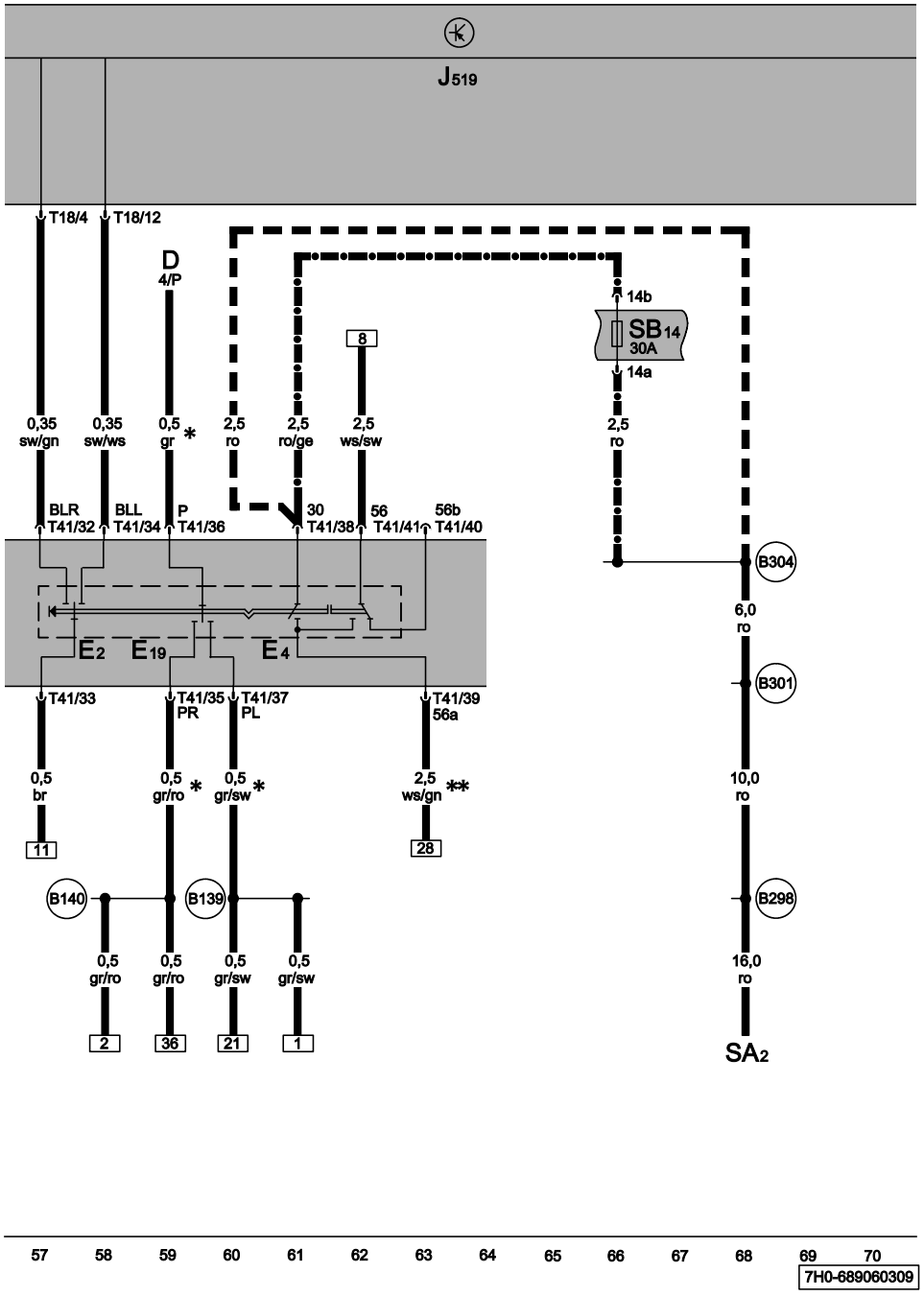
J344	Right gas discharge light control unit
J519	Onboard supply control unit
L14	Right gas discharge (xenon) bulb
L22	Left fog light bulb
L23	Right fog light bulb
M3	Right side light bulb
M7	Front right turn signal bulb
M32	Right main beam bulb
SB21	Fuse 21 on fuse holder B
SC27	Fuse 27 on fuse holder C
T1u	Single connector
T8ae	8-pin connector, black, near headlight, front right
T10ap	10-pin connector, black, on right of headlight
T10bl	10-pin connector, black, near front right headlight
13	Earth point, on right in engine compartment
82	Earth connection 1, in front left wiring harness
389	Earth connection 24, in main wiring harness
B142	Positive connection 2 (56a), in interior wiring harness
B456	Connection (56b), in main wiring harness
B522	Connection (FL), in main wiring harness
N1	Positive connection (56bR), in headlight range adjustment wiring harness
N5	Connection 4, in headlight range control wiring harness
*	adapter wire
**	for models with front fog light only



Fuse, right headlight range control motor, switch and instrument illumination regulator

E20	Switches and instruments illumination regulator
J519	Onboard supply control unit
L54	Headlight range control regulator illumination bulb
SB35	Fuse 35 on fuse holder B
T6ac	6-pin connector
T10ap	10-pin connector, black, on right of headlight
V49	Right headlight range control motor
13	Earth point, on right in engine compartment
101	Earth connection, in headlight range adjustment wiring harness
372	Earth connection 7, in main wiring harness
389	Earth connection 24, in main wiring harness
B8	Positive connection (58), in light switch wiring harness
B340	Connection 1 (58d), in main wiring harness
B341	Connection 2 (58d), in main wiring harness
B455	Connection (HRC), in main wiring harness
N3	Connection 2, in headlight range control wiring harness
N4	Connection 3, in headlight range control wiring harness
*	adapter wire
**	for models without dimming instruments illumination only
***	for models with dimming instruments illumination only

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



Onboard supply control unit, turn signal switch, parking light switch, headlight dipper/flasher switch, fuses

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlight dipper/flasher switch
E19	Parking light switch
J519	Onboard supply control unit
SA2	Fuse 2 on fuse holder A
SB14	Fuse 14 on fuse holder B
T18	18-pin connector, black
T41	41-pin connector
B139	Connection (LPL), in interior wiring harness
B140	Connection (RPL), in interior wiring harness
B298	Positive connection 2 (30), in main wiring harness
B301	Positive connection 5 (30), in main wiring harness
B304	Positive connection 8 (30), in main wiring harness
*	for models without day driving light only
**	for models without taxi equipment only

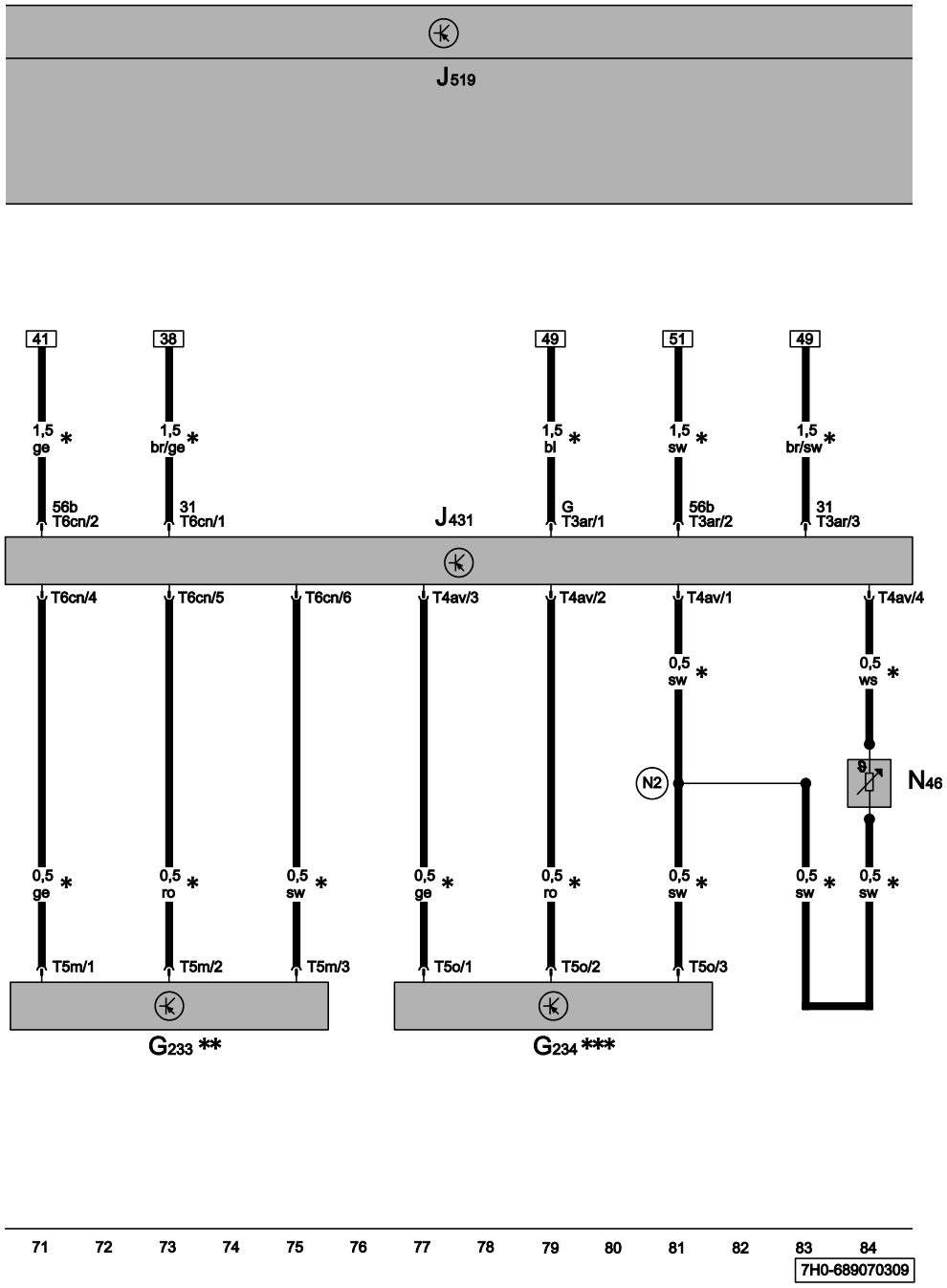
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applicable from June 2008

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ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

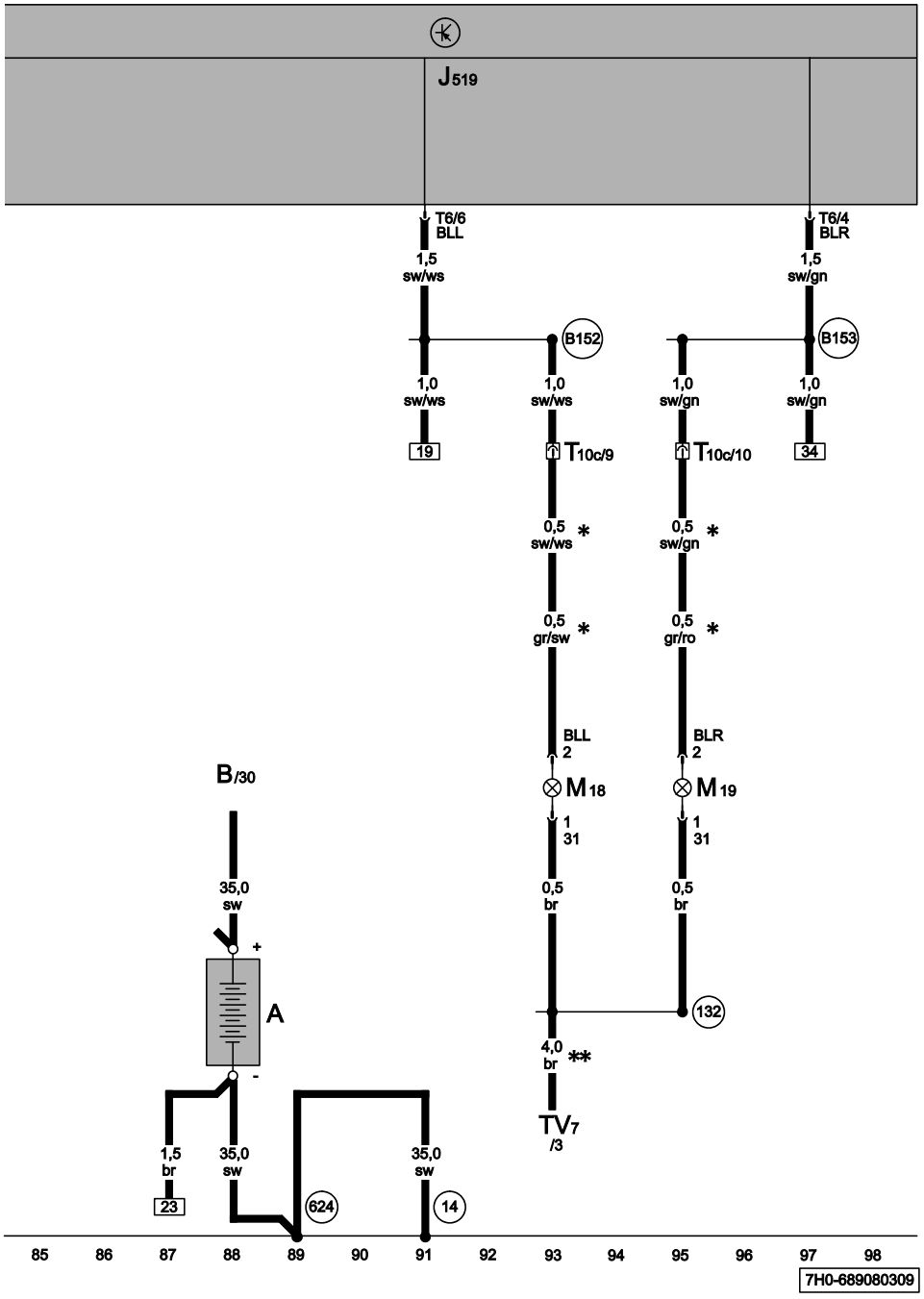
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Headlight range control sender 1, headlight range control sender 2, control unit for headlight range control, measuring resistor

G233	Headlight range control sender 1
G234	Headlight range control sender 2
J431	Headlight range control, control unit
J519	Onboard supply control unit
N46	Measuring resistor
T3ar	3-pin connector, black
T4av	4-pin connector, black
T5m	5-pin connector, blue, on headlight range control sender 1
T5o	5-pin connector, blue, on headlight range control sender 2
T6cn	6-pin connector, black
N2	Connection 1, in headlight range control wiring harness
*	adapter wire
**	on front axle
***	on rear axle

ws	=	white
sw	=	black
ro	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



ws = white
sw = black
ro = red
br = brown
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li = purple
ge = yellow
or = orange
rs = pink

Onboard supply control unit, left side mounted turn signal bulb, right side mounted turn signal bulb

A	Battery
B	Starter
J519	Onboard supply control unit
M18	Left side mounted turn signal bulb
M19	Right side mounted turn signal bulb
T6	6-pin connector, black
T10c	10-pin connector, yellow, coupling station on electronics box, in engine compartment
TV7	Terminal 31 wiring junction
14	Earth point, on gearbox
132	Earth connection 3, in engine compartment wiring harness
624	Earth point, starter battery
B152	Connection (BL), in interior wiring harness
B153	Connection (RTS), in interior wiring harness
*	depends on equipment
**	Cross-section 6.0 possible

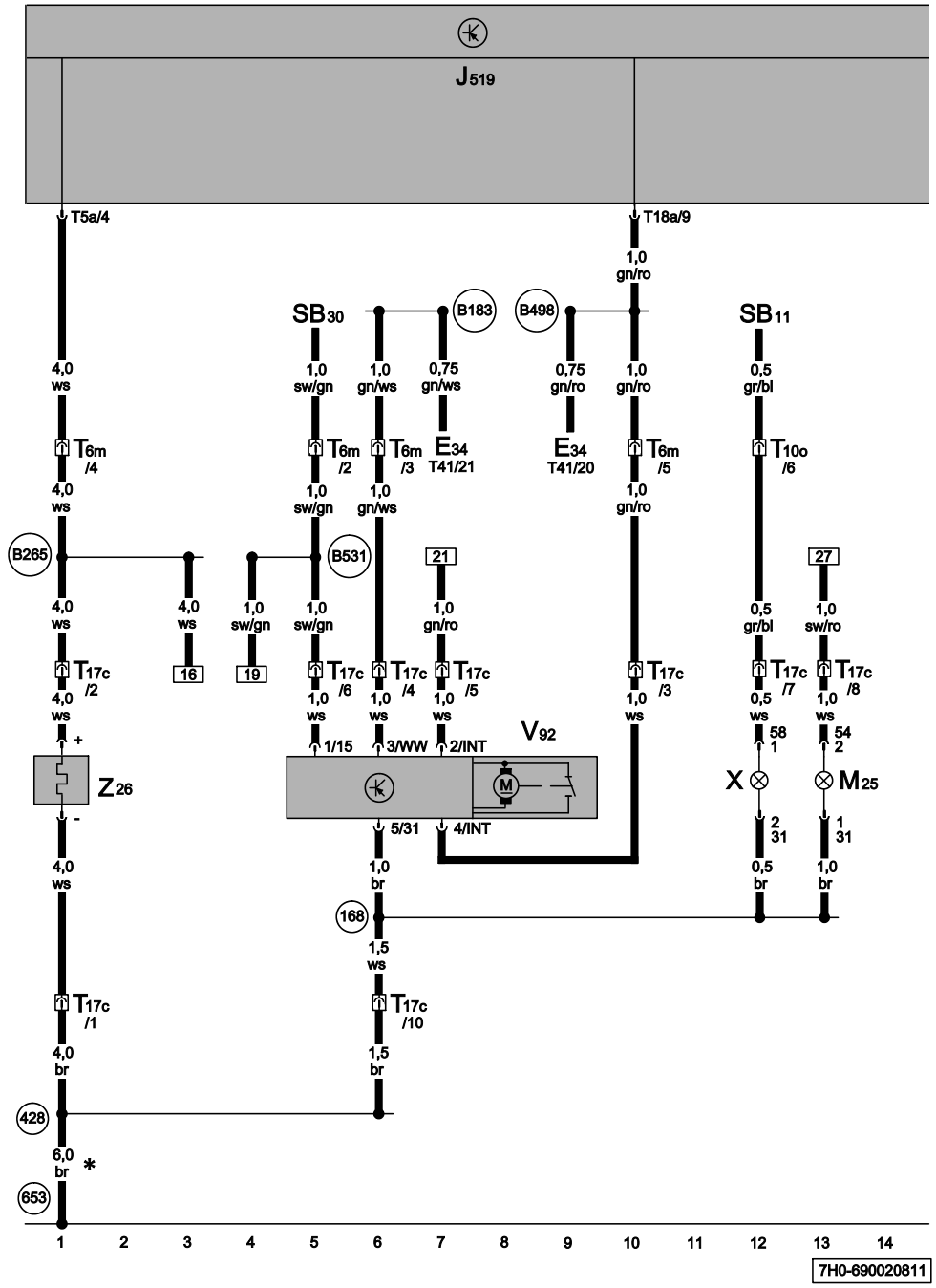
Rear wing doors

⇒ **Heated rear window**
⇒ **Rear window wiper**
from November 2008

Notes:
For information concerning
- Position of relays and fuses
- Multi-pin connections
- Control units and relays
- Earth connections

⇒ List of Fitting Locations!
For information concerning
- Fault Finding Programs

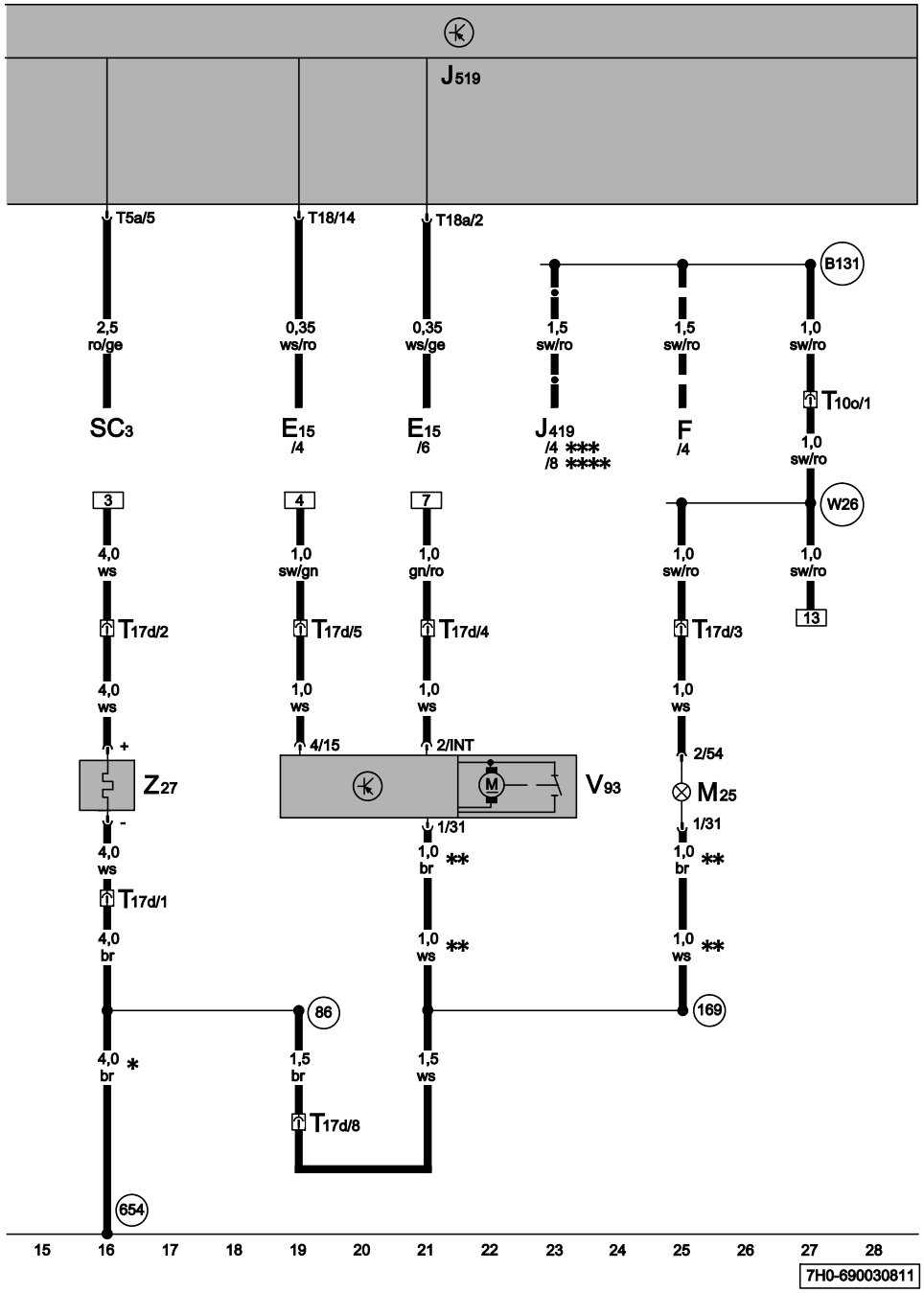
⇒ guided fault finding



Onboard supply control unit, heated rear window in left wing door, rear left wing door window wiper motor, number plate light

E34	Rear wiper switch
J519	Onboard supply control unit
M25	High level brake light bulb
SB11	Fuse 11 on fuse holder B
SB30	Fuse 30 on fuse holder B
T5a	5-pin connector, brown
T6m	6-pin connector, red, coupling station on left of A-pillar
T10o	10-pin connector, light-green, coupling station under driver seat
T17c	17-pin connector, black, coupling station on left of D-pillar
T18a	18-pin connector, brown
T41	41-pin connector
V92	Rear left wing door window wiper motor
X	Number plate light
Z26	Left wing door heated rear window
168	Earth connection, in rear left wing door wiring harness
428	Earth connection 4, in left rear end wiring harness
653	Earth point, left D-pillar
B183	Connection 1 (washer pump), in interior wiring harness
B265	Connection 2, in roof wiring harness
B498	Connection 1 (53c), in interior wiring harness
B531	Positive connection (75), in roof wiring harness
*	cross-section depends on equipment

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or	=	orange
rs	=	pink



High-level brake light bulb, rear right wing door window wiper motor, heated rear window in right wing door

E15	Heated rear window switch
F	Brake light switch
J419	Brake light additional relay
J519	Onboard supply control unit
M25	High level brake light bulb
SC3	Fuse 3 on fuse holder C
T5a	5-pin connector, brown
T10o	10-pin connector, light-green, coupling station under driver seat
T17d	17-pin connector, black, coupling station on right of D-pillar
T18	18-pin connector, black
T18a	18-pin connector, brown
V93	Rear right wing door window wiper motor
Z27	Right wing door heated rear window
86	Earth connection 1, in rear wiring harness
169	Earth connection, in rear right wing door wiring harness
654	Earth point, right D-pillar
B131	Connection (54), in interior wiring harness
W26	Positive connection (54), in tail light wiring harness
*	cross-section depends on equipment
**	depends on equipment
***	only models without serial trailer towing coupling
****	only models with serial trailer towing coupling

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for models without ESP only

<fo:external-graphic src="../PDOC/
for models with ESP only