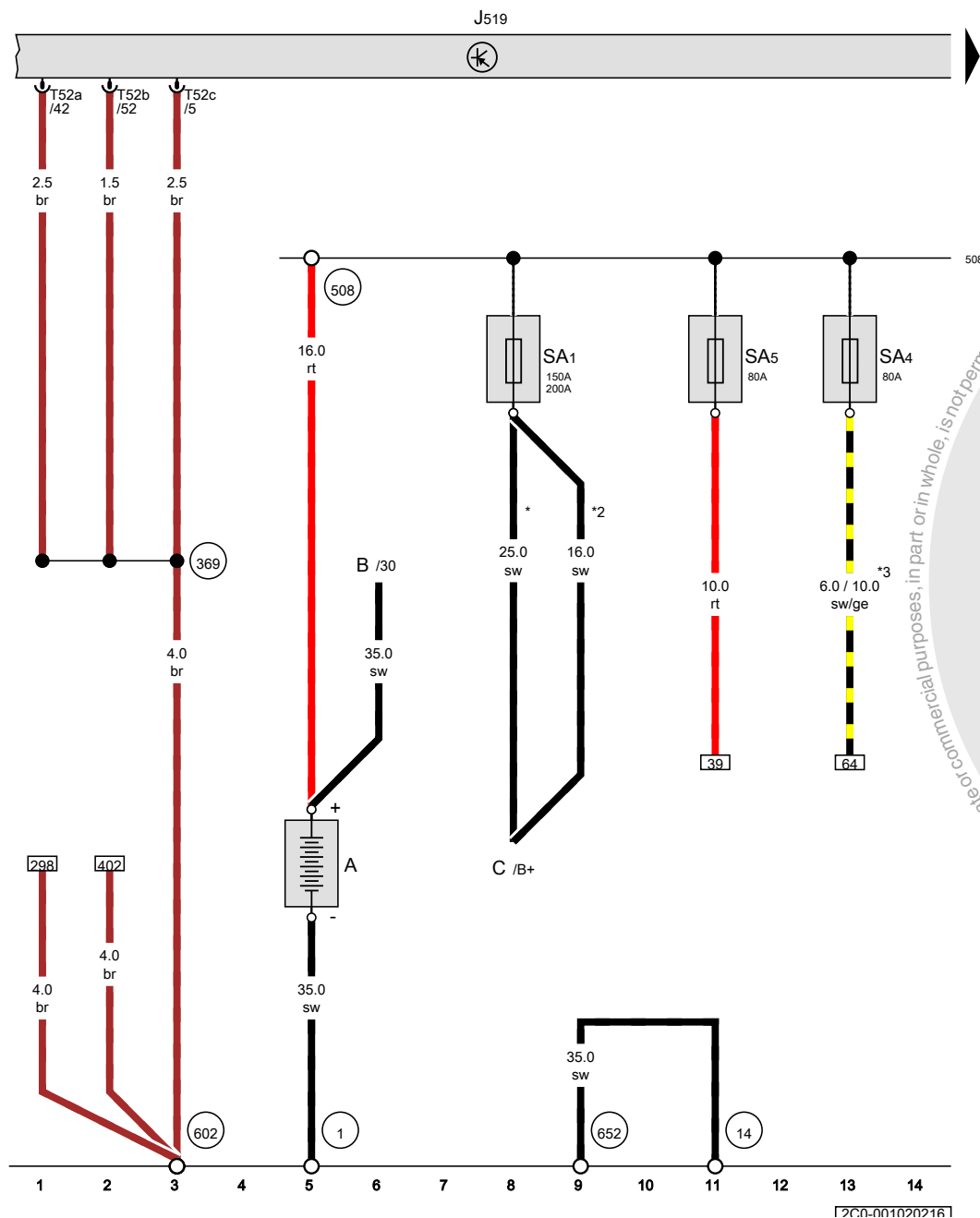


Basic equipment

From August 2010

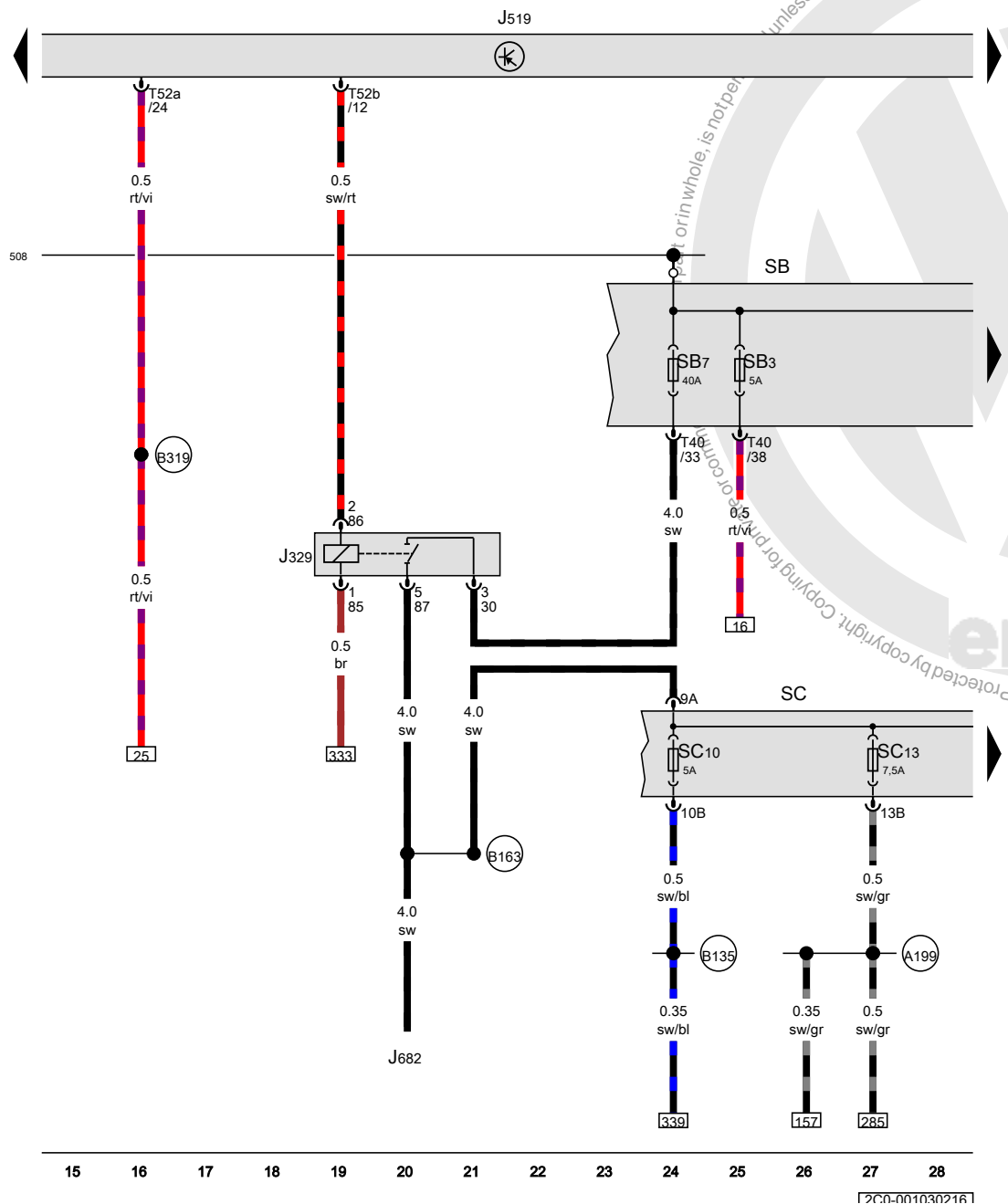


Battery, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A



- A Battery
- B Starter
- C Alternator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 369 Earth connection 4, in main wiring harness
- 508 Threaded connection (30) on E-box
- 602 Earth point, in front left footwell
- 652 Earth point, engine and gearbox earth
- * Only models with 140A alternator
- *2 Only models with 90 A/ 120 A alternator
- *3 According to equipment

- ws = white
- sw = black
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Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B319 Positive connection 5 (30a) in main wiring harness

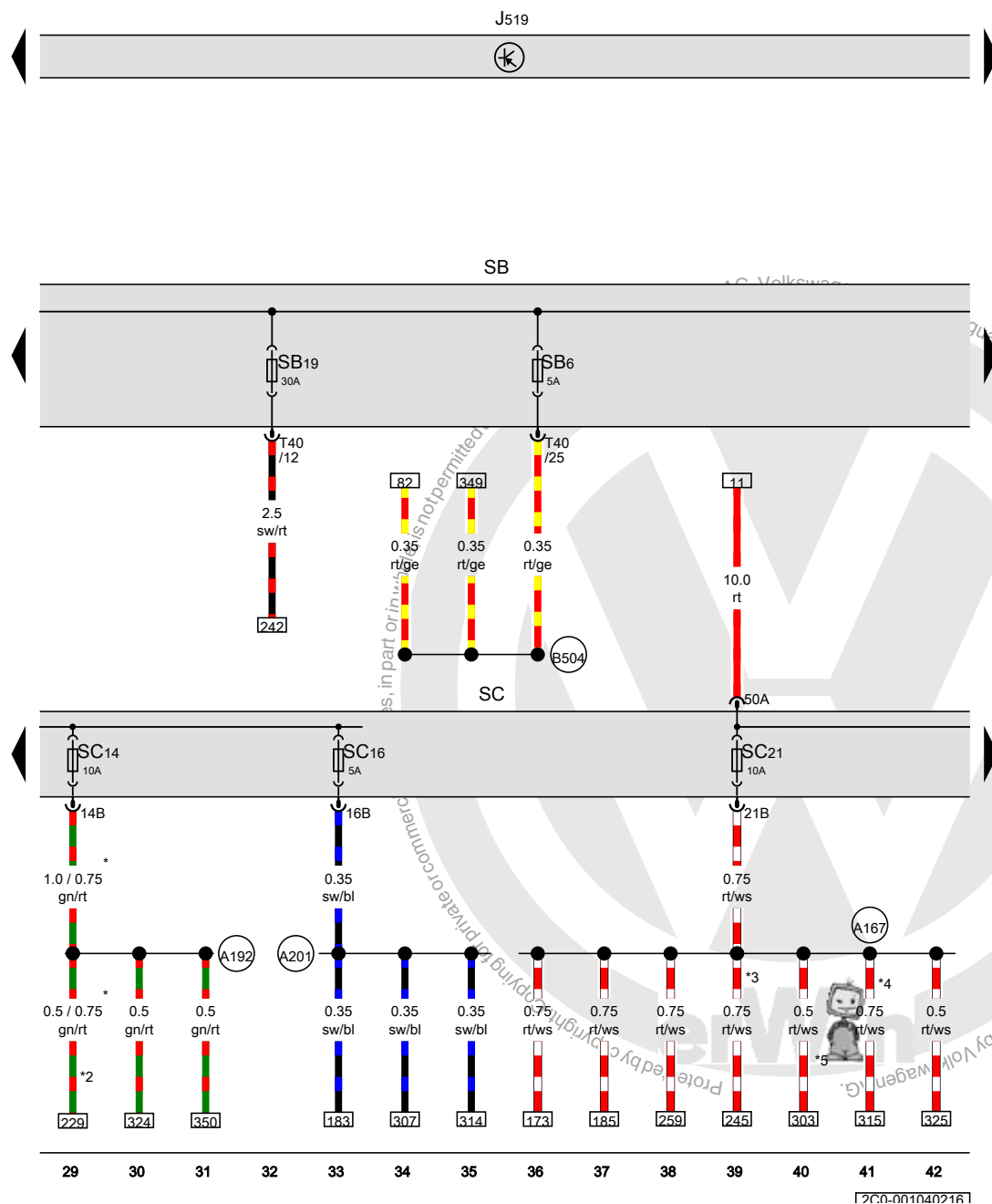
Onboard supply control unit, Fuse holder B, Fuse holder C

- J519 Onboard supply control unit
 SB Fuse holder B
 SB6 Fuse 6 on fuse holder B
 SC Fuse holder C
 SC14 Fuse 14 on fuse holder C
 SC16 Fuse 16 on fuse holder C
 SB19 Fuse 19 on fuse holder B
 SC21 Fuse 21 on fuse holder C
 T40 40-pin connector, black

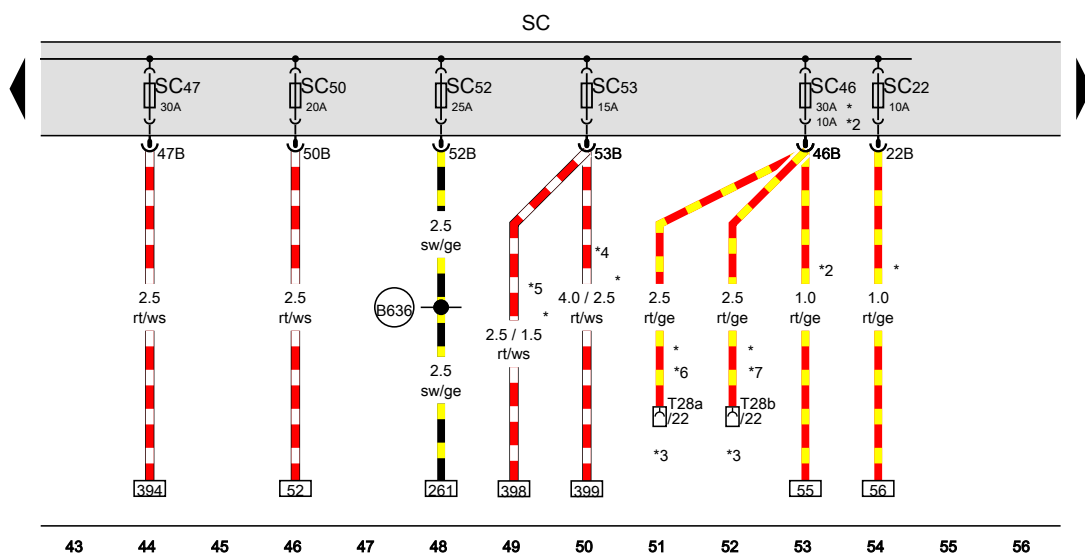
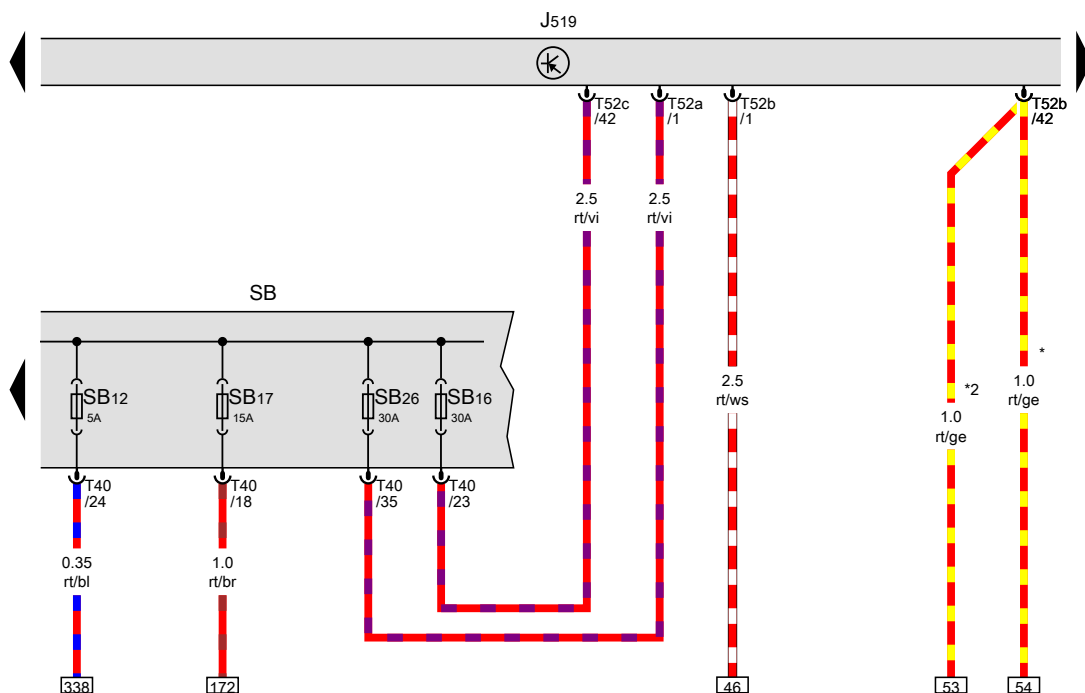
- A167 Positive connection 3 (30a) in dash panel wiring harness
 A192 Positive connection 3 (15a) in dash panel wiring harness
 A201 Positive connection 6 (15a) in dash panel wiring harness
 B504 Positive connection 8 (30a), in interior wiring harness

- * From May 2011
 *2 Not for models with dual clutch gearbox
 *3 Only models with rain and light sensor
 *4 Only models with auxiliary coolant heater
 *5 Only Camper

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Onboard supply control unit, Fuse holder B, Fuse holder C



- J519 Onboard supply control unit
 SB Fuse holder B
 SB12 Fuse 12 on fuse holder B
 SB16 Fuse 16 on fuse holder B
 SB17 Fuse 17 on fuse holder B
 SB26 Fuse 26 on fuse holder B
 SC Fuse holder C
 SC22 Fuse 22 on fuse holder C
 SC46 Fuse 46 on fuse holder C
 SC47 Fuse 47 on fuse holder C
 SC50 Fuse 50 on fuse holder C
 SC52 Fuse 52 on fuse holder C
 SC53 Fuse 53 on fuse holder C
 T28a 28-pin connector, in left A-pillar coupling station
 T28b 28-pin connector, in right A-pillar coupling station
 T40 40-pin connector, black
 T52a 52-pin connector, black
 T52b 52-pin connector, white
 T52c 52-pin connector, brown
 B636 Connection (supplementary heater), in main wiring harness
 * From May 2011
 *2 Up to April 2011
 *3 see applicable current flow diagram for convenience system
 *4 According to equipment
 *5 Only models with 12 V socket
 *6 Only left-hand drive models
 *7 Only right-hand drive models

ws = white
 sw = black
 ro = red
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 br = brown
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 gr = grey
 li = purple
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1200-001050216

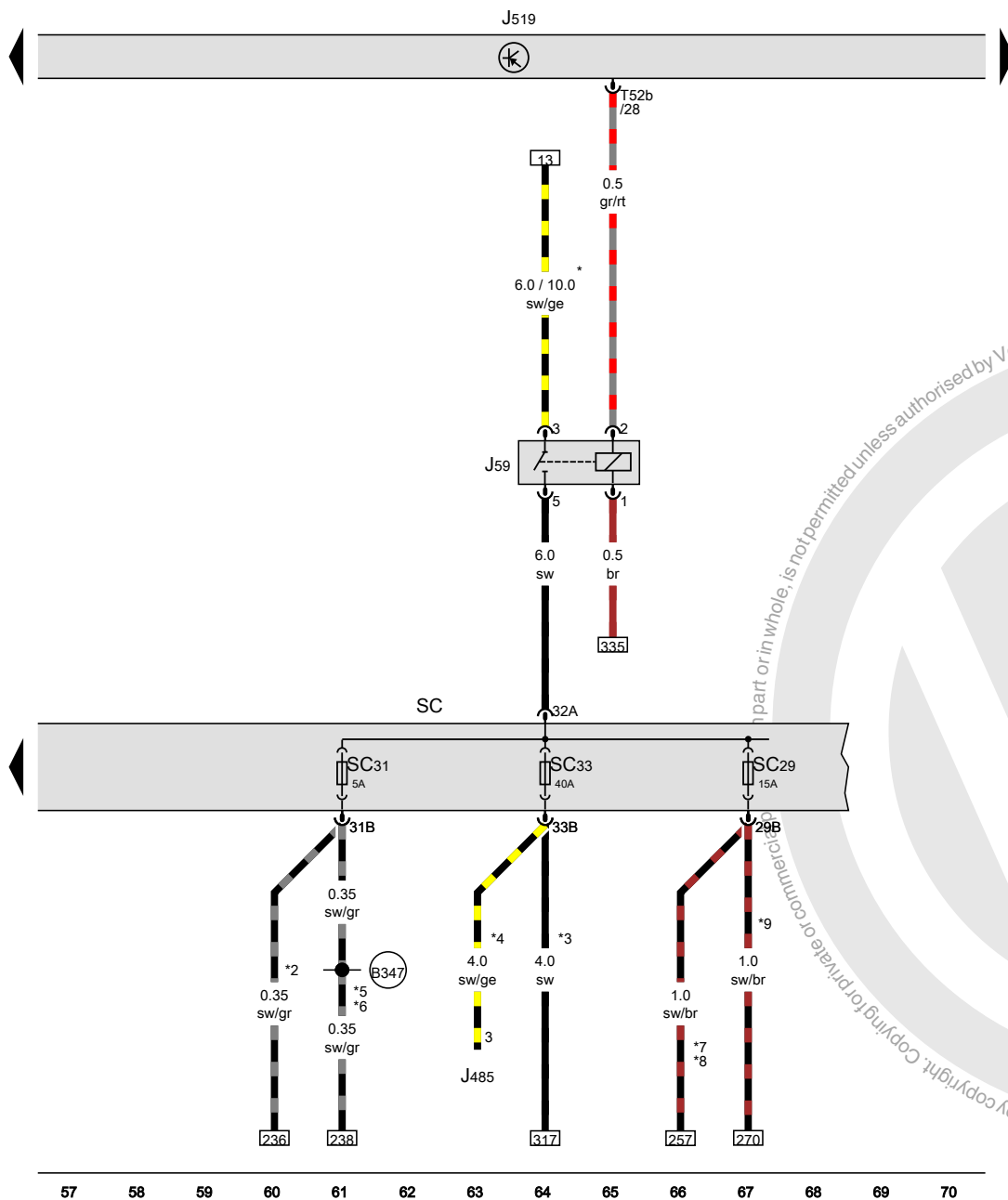
X-contact relief relay, Onboard supply control unit, Fuse holder C

- J59 X-contact relief relay
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- SC Fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T52b 52-pin connector, white

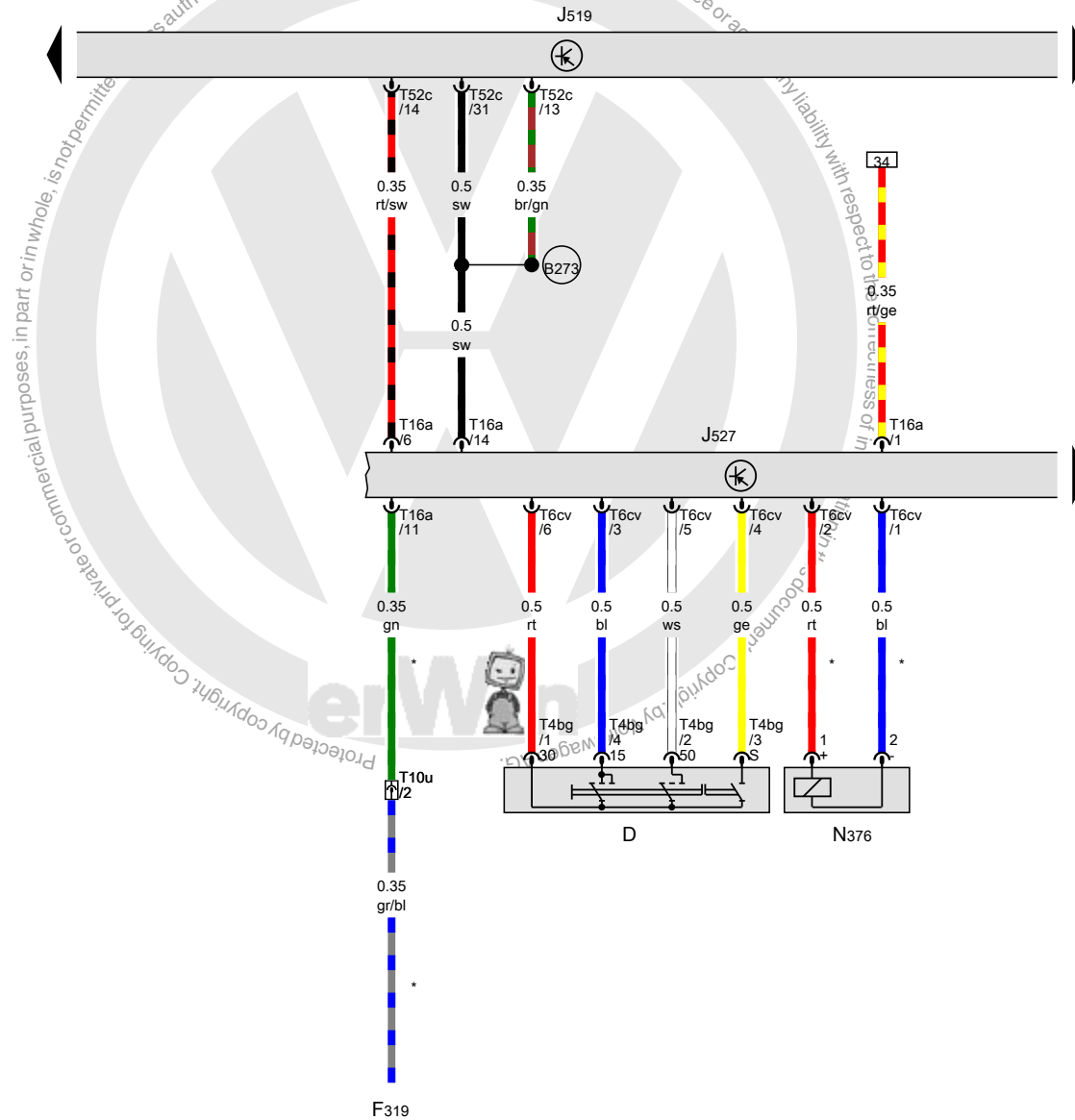
B347 Connection 2 (75), in main wiring harness

- * According to equipment
- *2 Only models with air conditioning system/ Climatronic
- *3 Only models with no auxiliary coolant heater
- *4 Only models with auxiliary coolant heater
- *5 Only models with no air conditioning system/Climatronic
- *6 Only models with seat heating
- *7 Only models with rear window wiper
- *8 Only models with wing doors
- *9 Only models with rear lid

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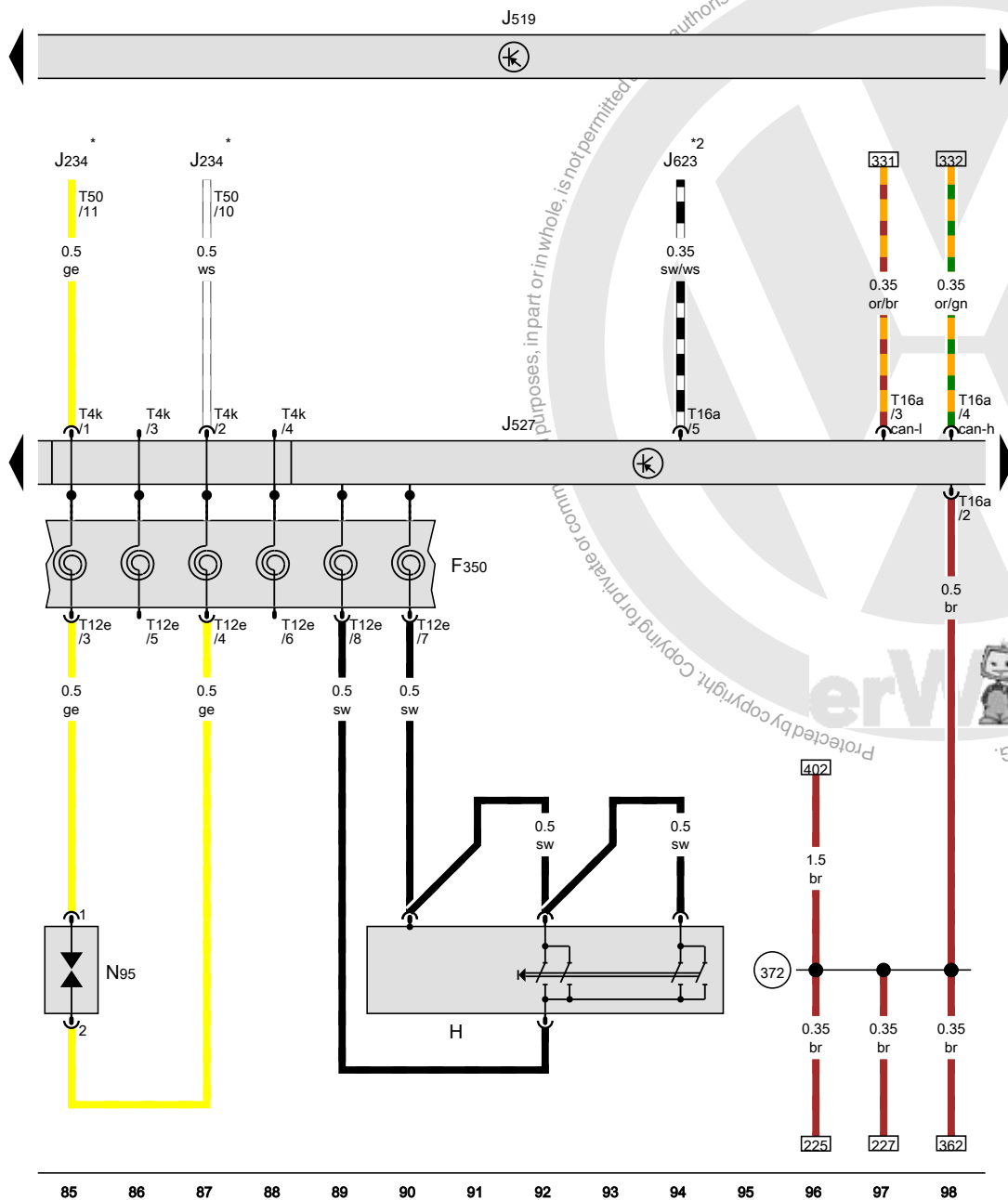
17C0-0010602161



Ignition/starter switch, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid

- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid, on ignition/starter switch
- T4bg 4-pin connector, black
- T6cv 6-pin connector, white
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector, black
- T52c 52-pin connector, brown
- B273 Positive connection (15), in main wiring harness
- * Only models with dual clutch gearbox

Horn plate, Onboard supply control unit, Steering column electronics control unit, Driver side airbag igniter

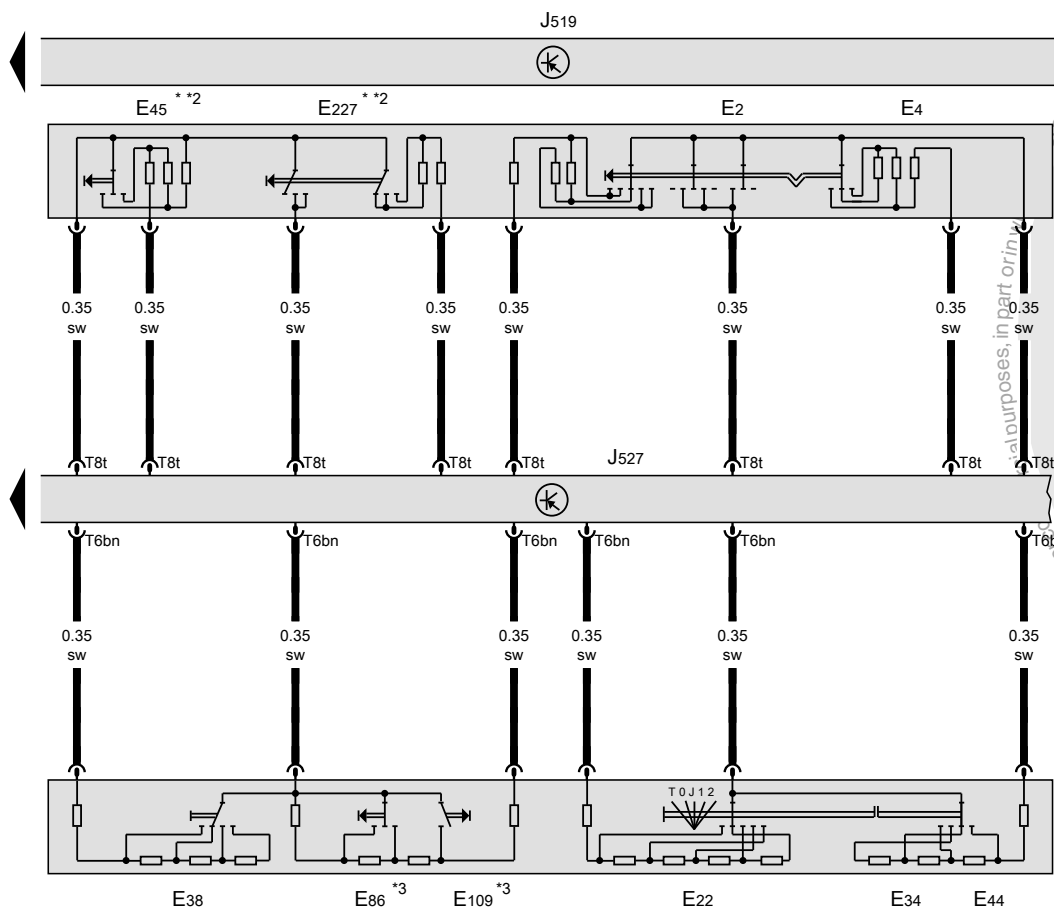


- F350 Coil connector
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector, yellow
- T12e 12-pin connector, yellow
- T16a 16-pin connector, black
- T50 50-pin connector

372 Earth connection 7, in main wiring harness

- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for engine

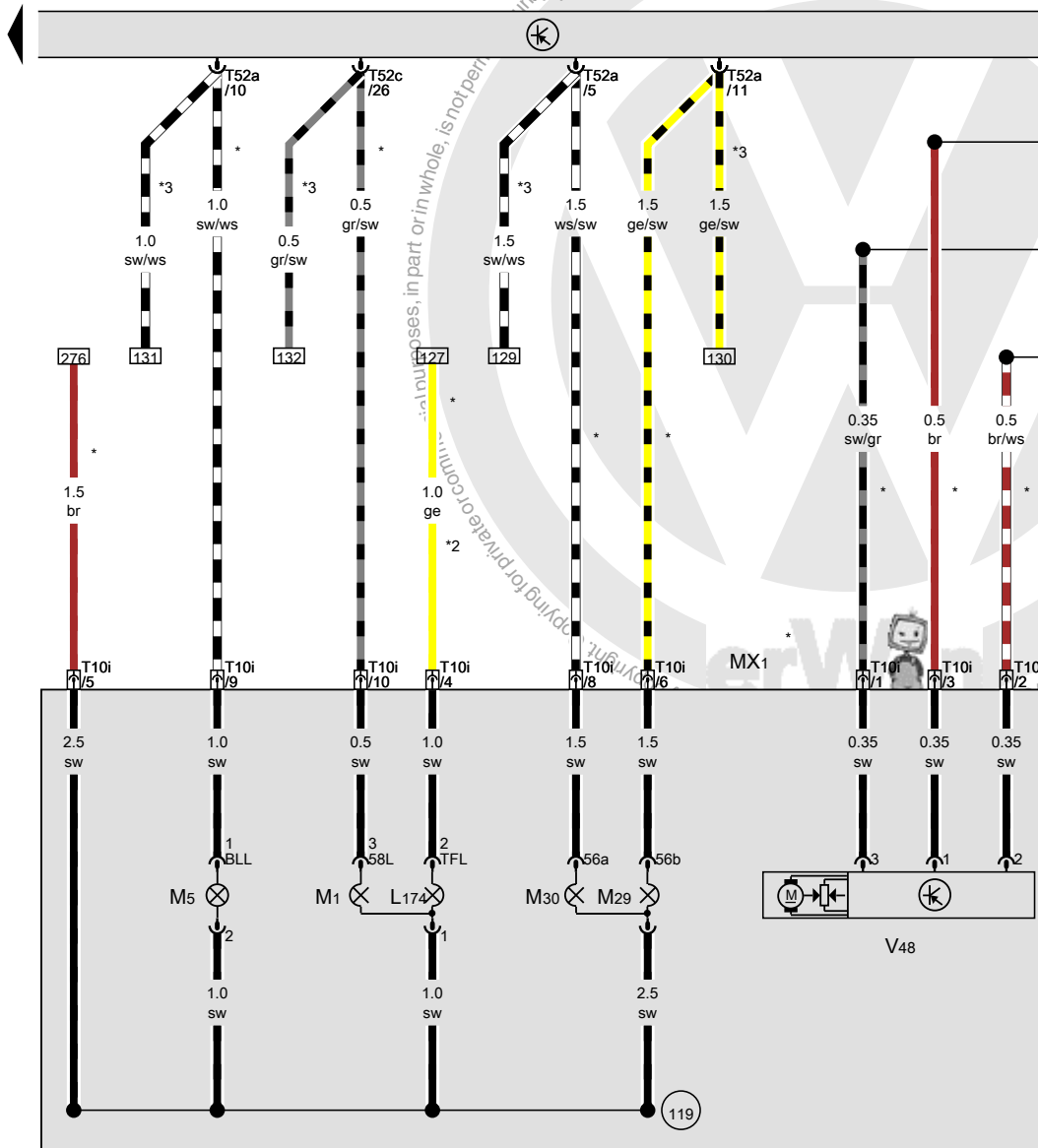
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Turn signal switch, Headlight dipper and flasher switch, Intermittent wiper switch, Rear wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- E227 Cruise control system (CCS) SET button
- J527 Onboard supply control unit
- J527 Steering column electronics control unit
- T6bn 6-pin connector, white
- T8t 8-pin connector, white
- * Only models with cruise control system (CCS)
- *2 Only models with no multifunction steering wheel
- *3 Only models with multifunction display

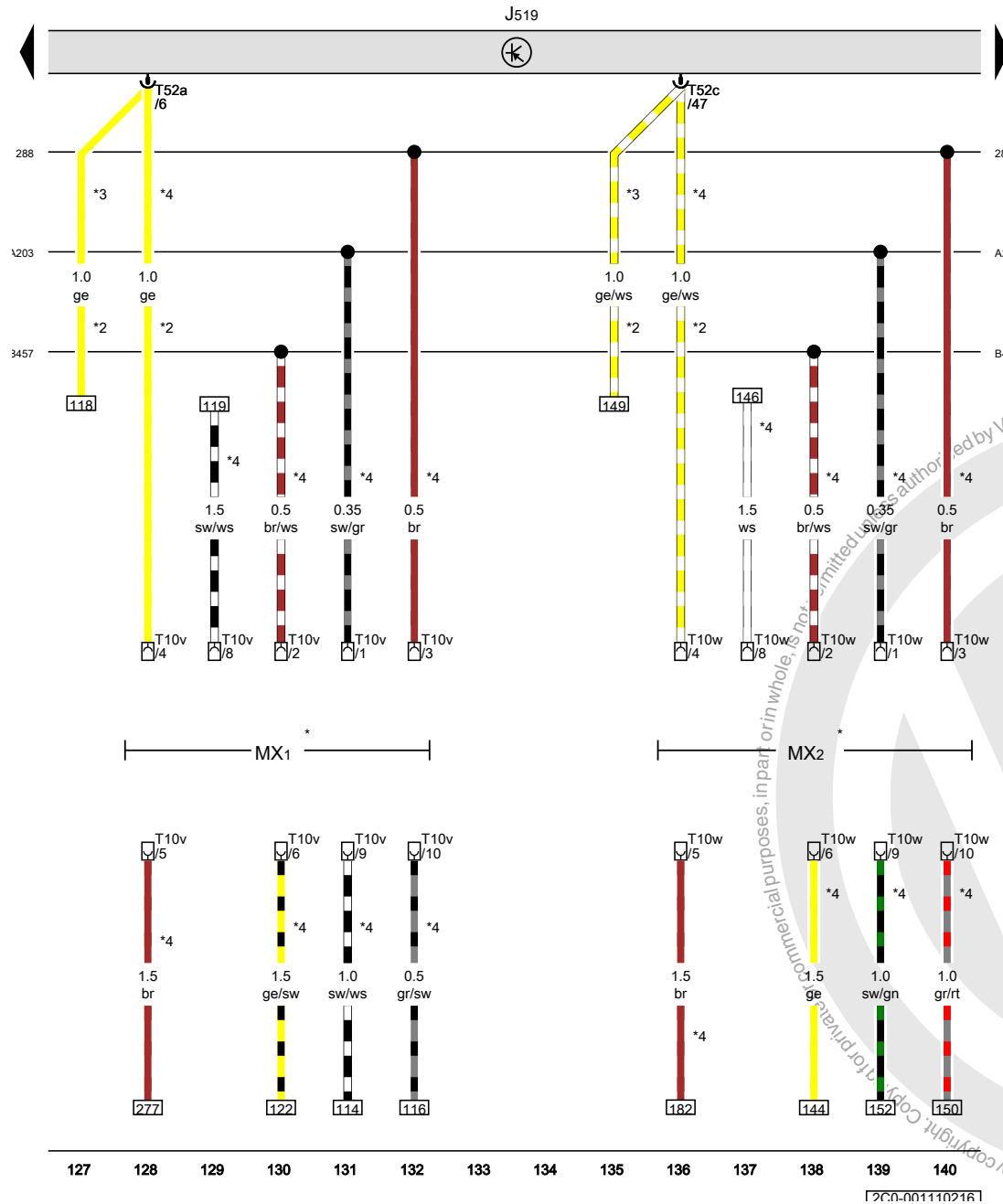
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Onboard supply control unit, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T10i 10-pin connector, on left headlight
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- V48 Left headlight range control motor
- 119 Earth connection 1, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with H4 headlights
- *2 Only models with daytime running lights
- *3 Only models with H7 headlights

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 gr = grey
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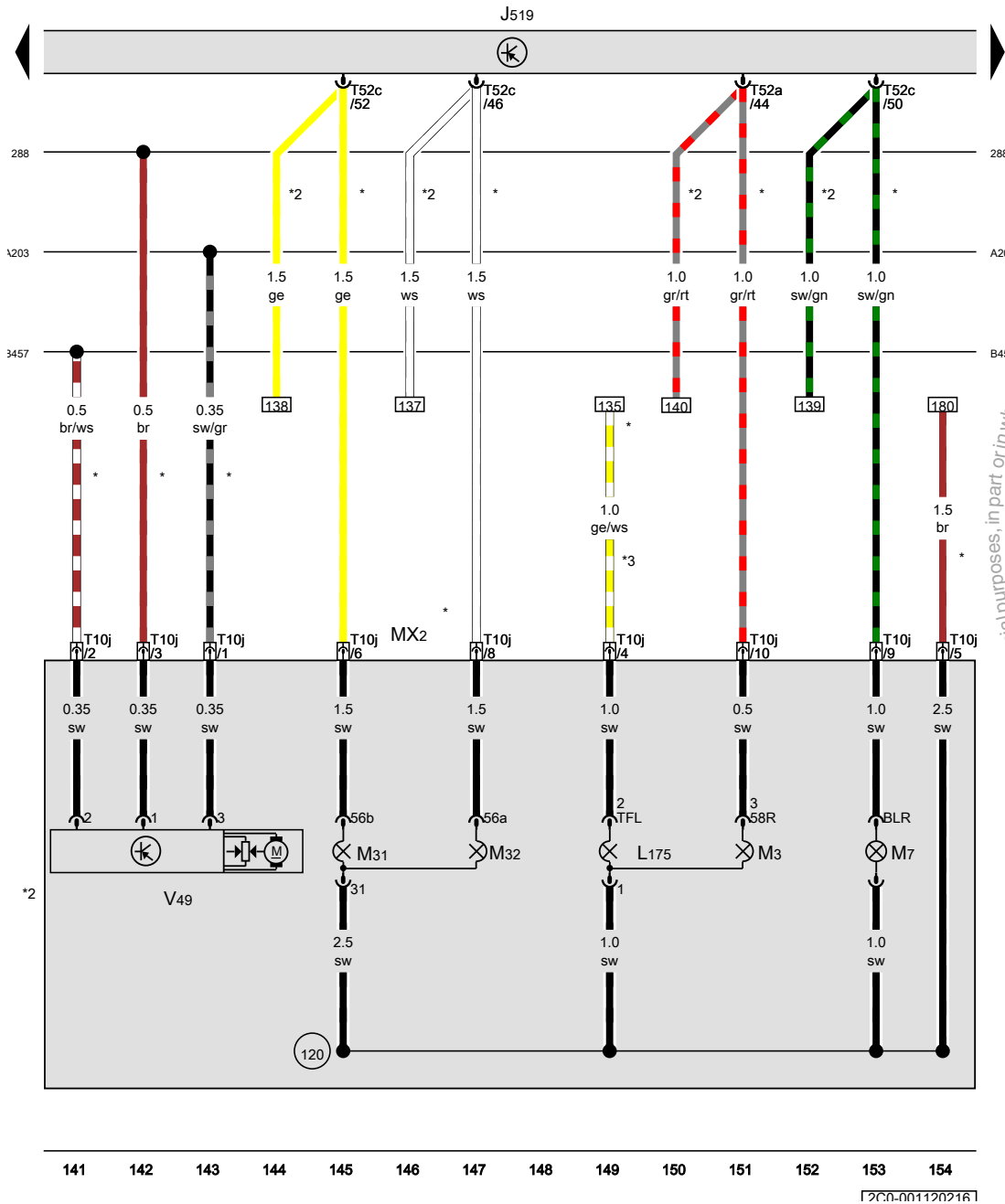
Onboard supply control unit

- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- T10v 10-pin connector, on left headlight, black
- T10w 10-pin connector, on right headlight, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- (288) Earth connection (HRC), in dash panel wiring harness
- (A203) Positive connection 7 (15a) in dash panel wiring harness
- (B457) Connection 1 (potentiometer), in main wiring harness

- * see applicable current flow diagram for headlights
- *2 Only models with daytime running lights
- *3 Only models with H4 headlights
- *4 Only models with H7 headlights

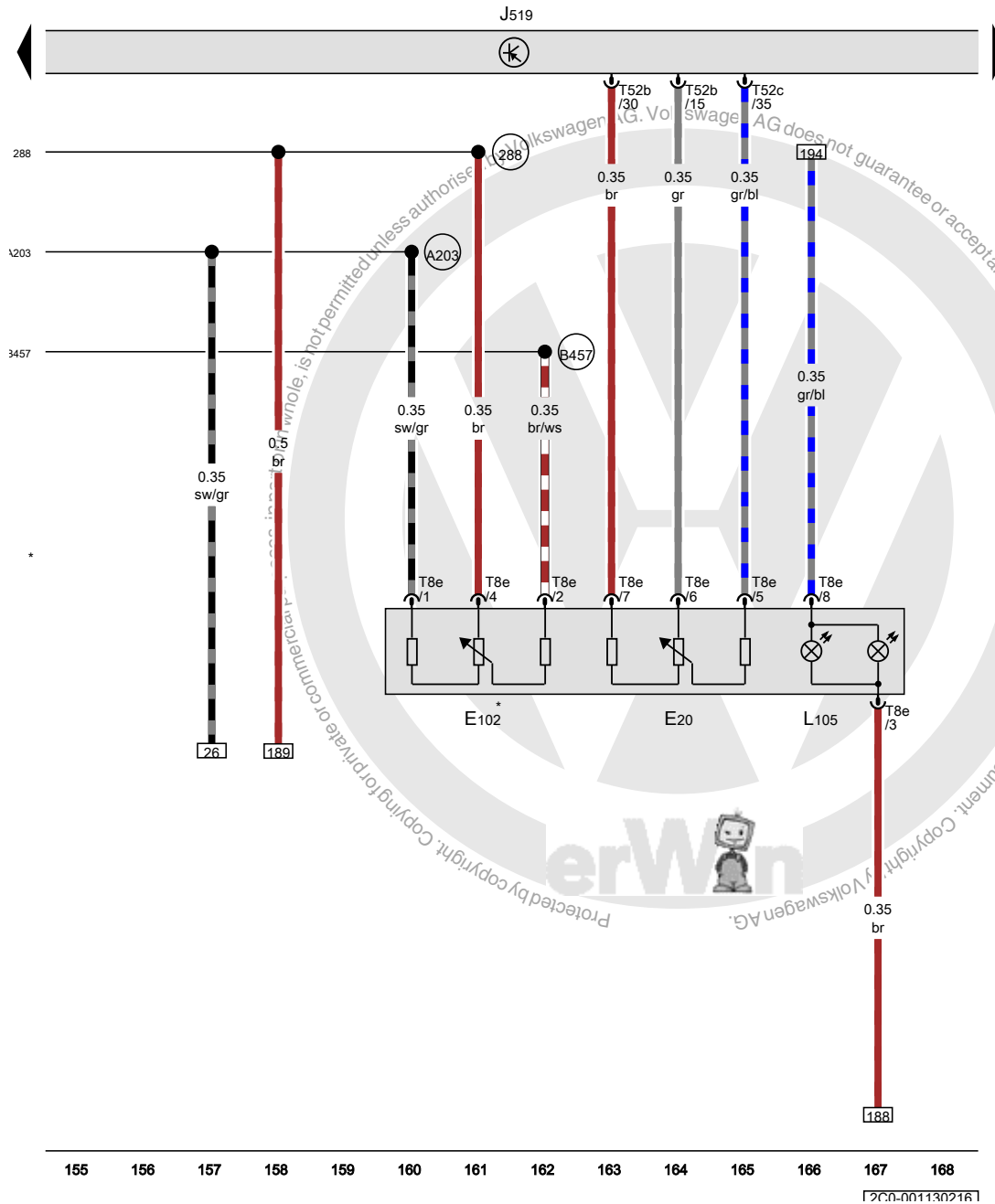
- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

- | | |
|-------------|--|
| J519 | Onboard supply control unit |
| L175 | Right daytime running light bulb |
| MX2 | Front right headlight |
| M3 | Right side light bulb |
| M7 | Front right turn signal bulb |
| M31 | Right headlight dipped beam bulb |
| M32 | Right headlight main beam bulb |
| T10j | 10-pin connector, on right headlight |
| T52a | 52-pin connector, black |
| T52c | 52-pin connector, brown |
| V49 | Right headlight range control motor |
| 120 | Earth connection 2, in headlight wiring harness |
| 288 | Earth connection (HRC), in dash panel wiring harness |
| A203 | Positive connection 7 (15a) in dash panel wiring harness |
| B457 | Connection 1 (potentiometer), in main wiring harness |
| * | Only models with H4 headlights |
| *2 | Only models with H7 headlights |
| *3 | Only models with daytime running lights |

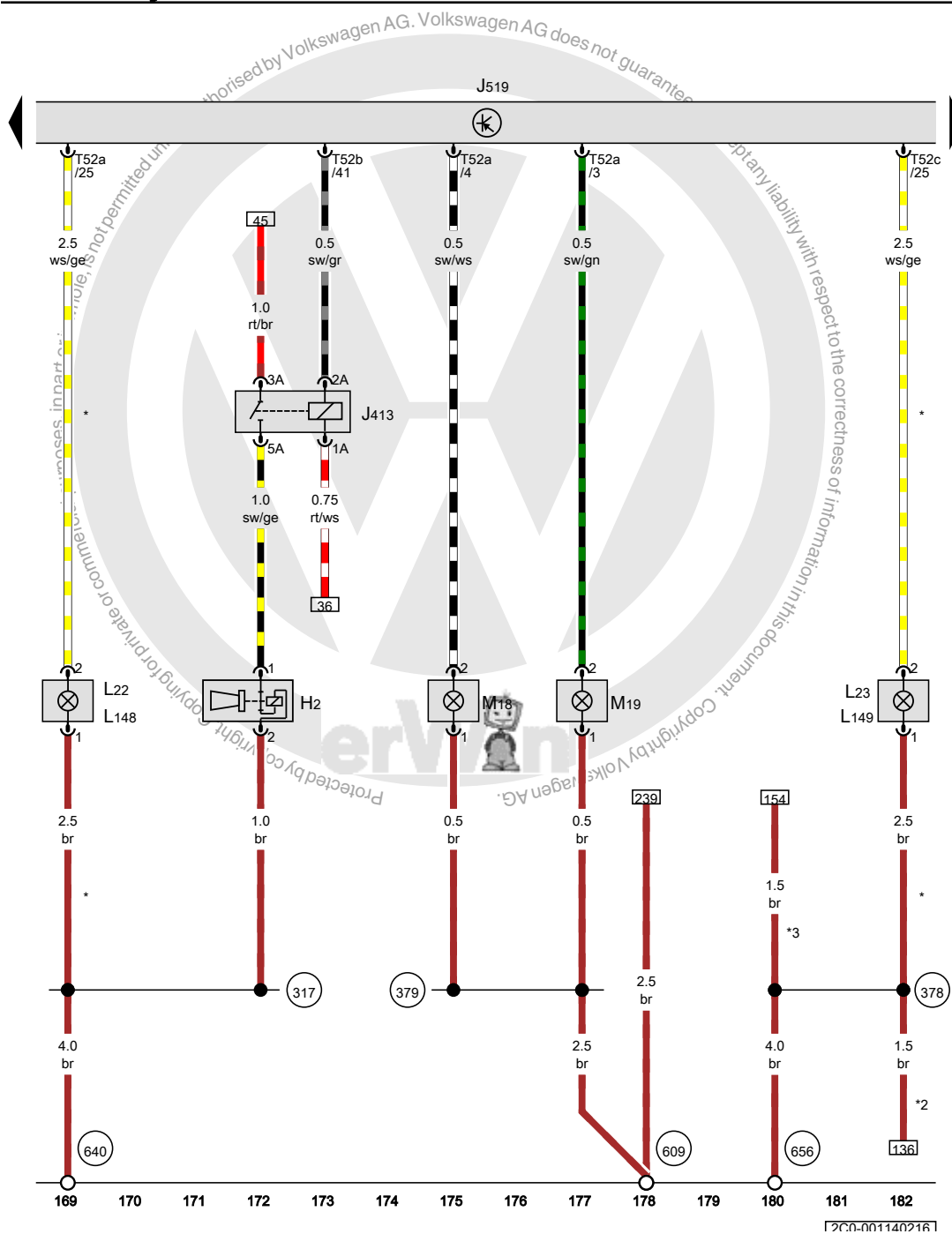
ws = white
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Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with no automatic headlight range control



Treble horn, Horn relay, Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left cornering light bulb, Right cornering light bulb, Left turn signal repeater bulb, Right turn signal repeater bulb

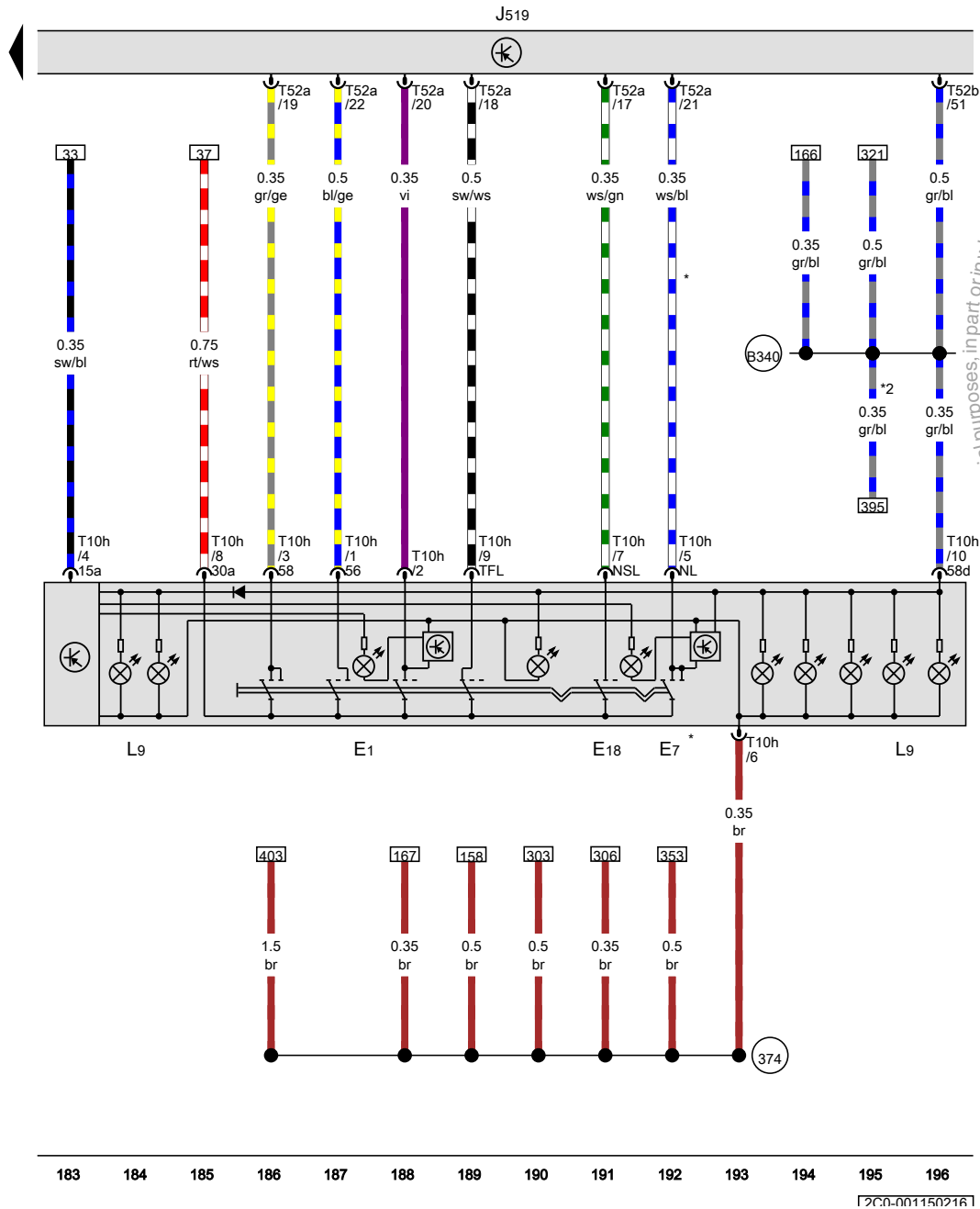
- H2 Treble horn
- J413 Horn relay
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L148 Left cornering light bulb
- L149 Right cornering light bulb
- M18 Left turn signal repeater bulb
- M19 Right turn signal repeater bulb
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 317 Earth connection 7, in engine compartment wiring harness
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 609 Earth point, on right in plenum chamber
- 640 Earth point 2, left in engine compartment
- 656 Earth point, on right headlight

- * Only models with fog lights
- *2 Only models with H7 headlights
- *3 Only models with H4 headlights

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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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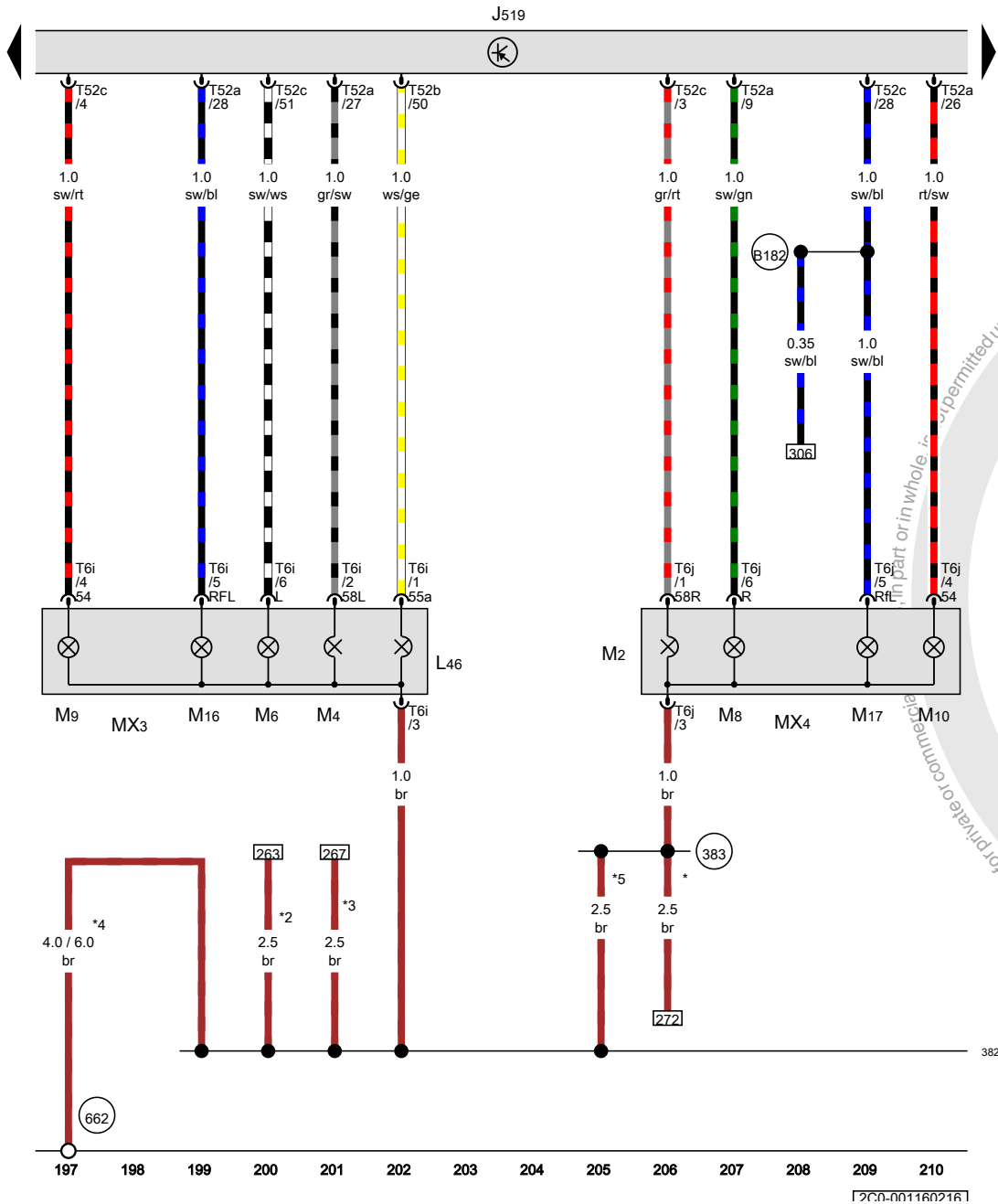
Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit



- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- L9 Light switch illumination bulb
- T10h 10-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- 374 Earth connection 9, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with fog lights
- *2 According to equipment

ws = white
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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
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Onboard supply control unit, Left tail light, Right tail light

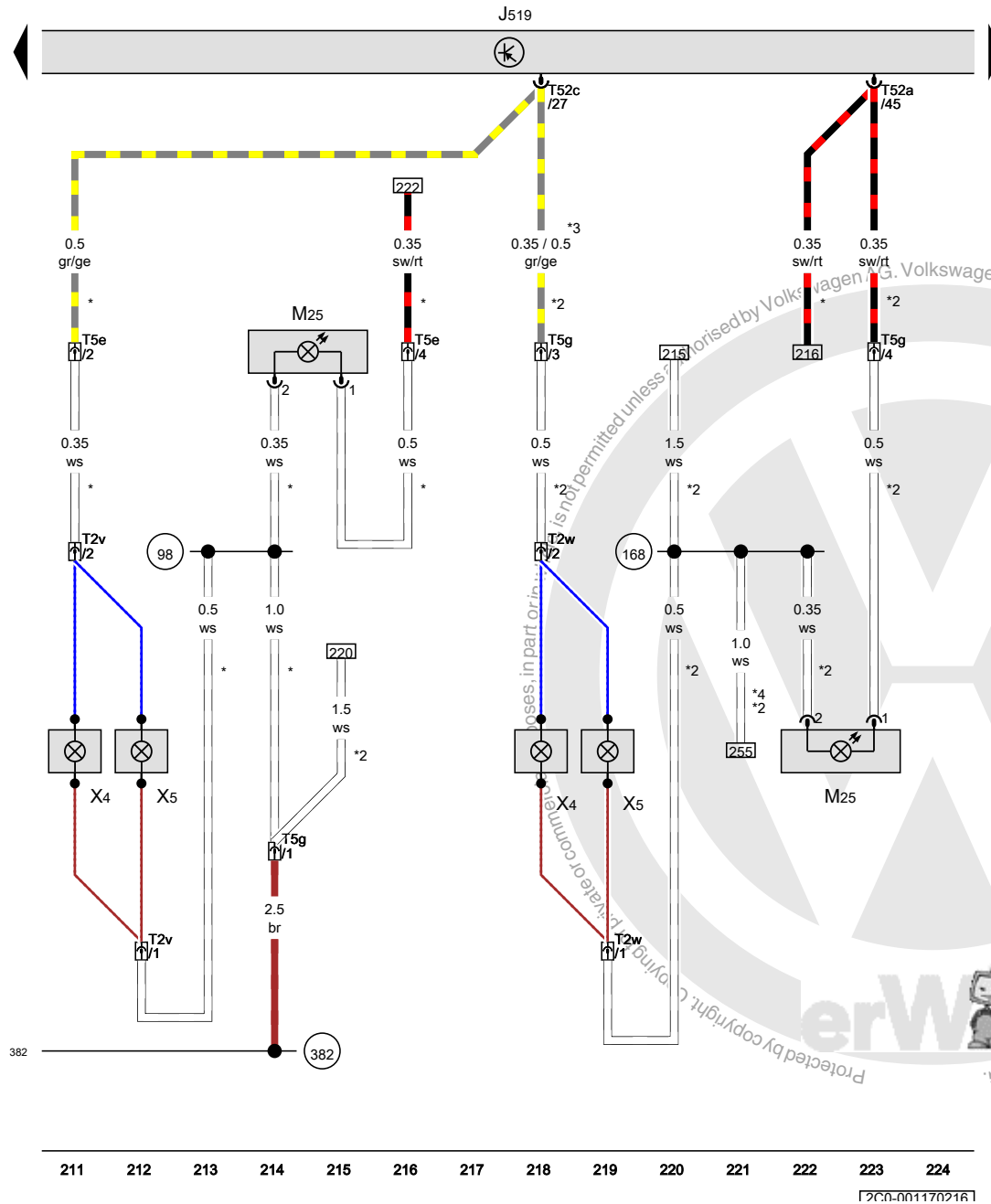


- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- MX4 Right tail light
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T6i 6-pin connector, black
- T6j 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- B182 Connection (RL), in interior wiring harness
- * Optional equipment
- *2 Only models with wing doors
- *3 Only models with rear lid
- *4 According to equipment
- *5 Only models with basic equipment

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
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 gr = grey
 li = purple
 vi = purple
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Onboard supply control unit, High-level brake light bulb, Left number plate light, Right number plate light

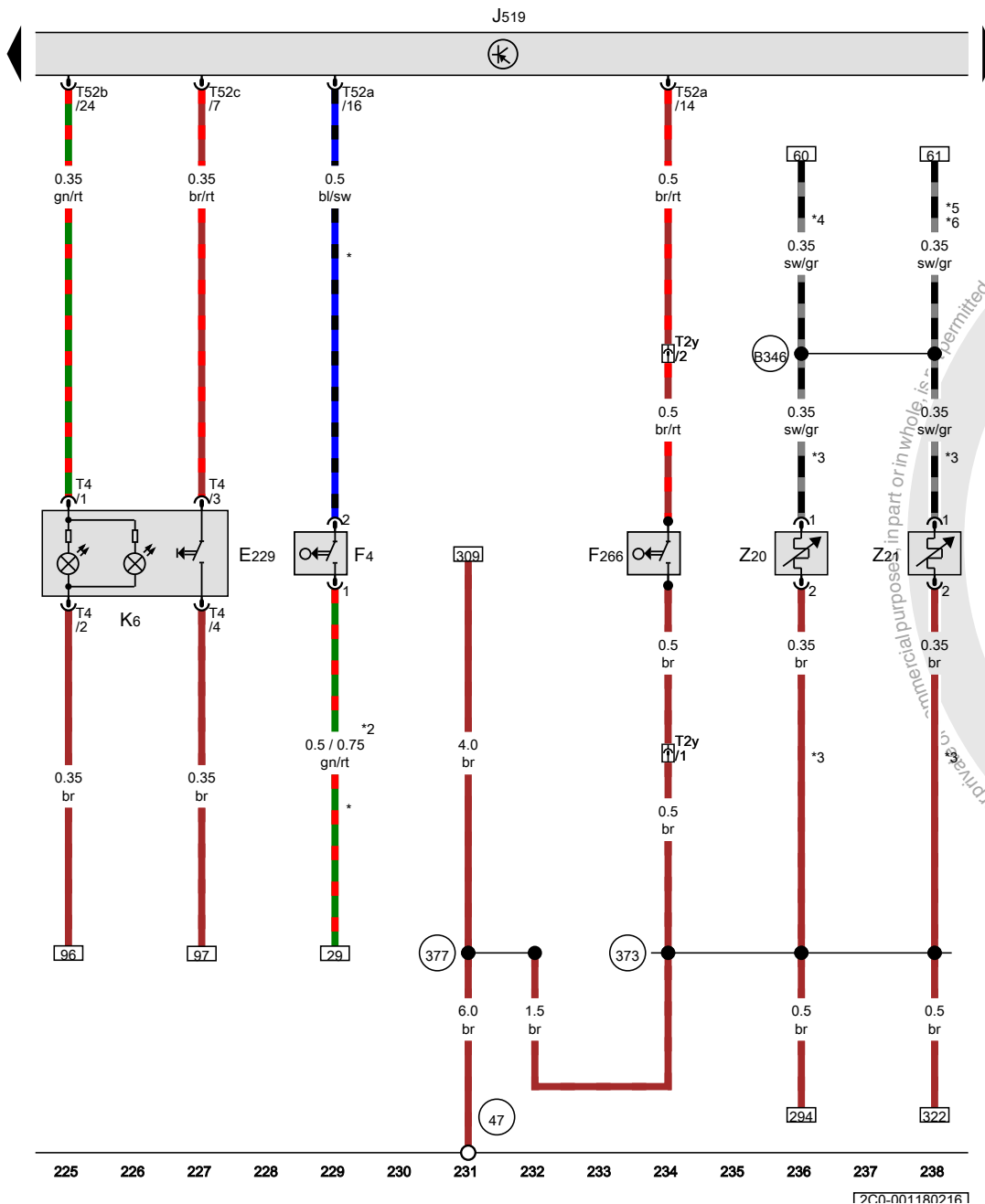


- J519 Onboard supply control unit
- M25 High-level brake light bulb
- T2v 2-pin connector, in rear lid, black
- T2w 2-pin connector, in rear left wing door, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, light pink
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- X4 Left number plate light
- X5 Right number plate light

- 98 Earth connection, in rear lid wiring harness
- 168 Earth connection, in rear left wing door wiring harness
- 382 Earth connection 17, in main wiring harness
- * Only models with rear lid
- *2 Only models with wing doors
- *3 According to equipment
- *4 Only models with rear window wiper

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Hazard warning lights button, Reversing light switch, Bonnet contact switch, Onboard supply control unit, Left washer jet heater element, Right washer jet heater element

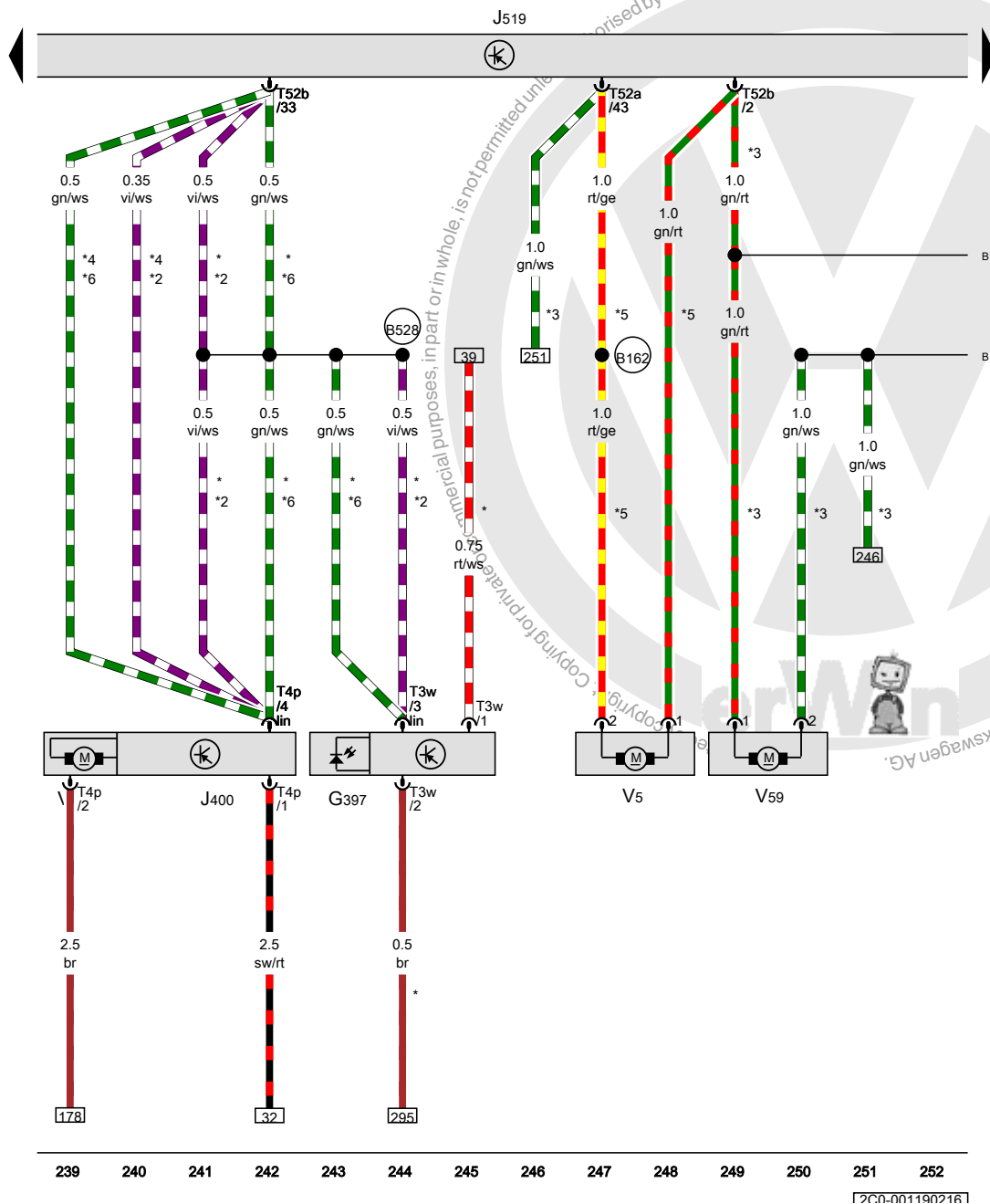


- E229 Hazard warning lights button
- F4 Reversing light switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2y 2-pin connector, near right headlight
- T4 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Not for models with dual clutch gearbox
- *2 From May 2011
- *3 Only models with heated washer jets
- *4 Only models with air conditioning system/ Climatronic
- *5 Only models with no air conditioning system/ Climatronic
- *6 Only models with seat heating

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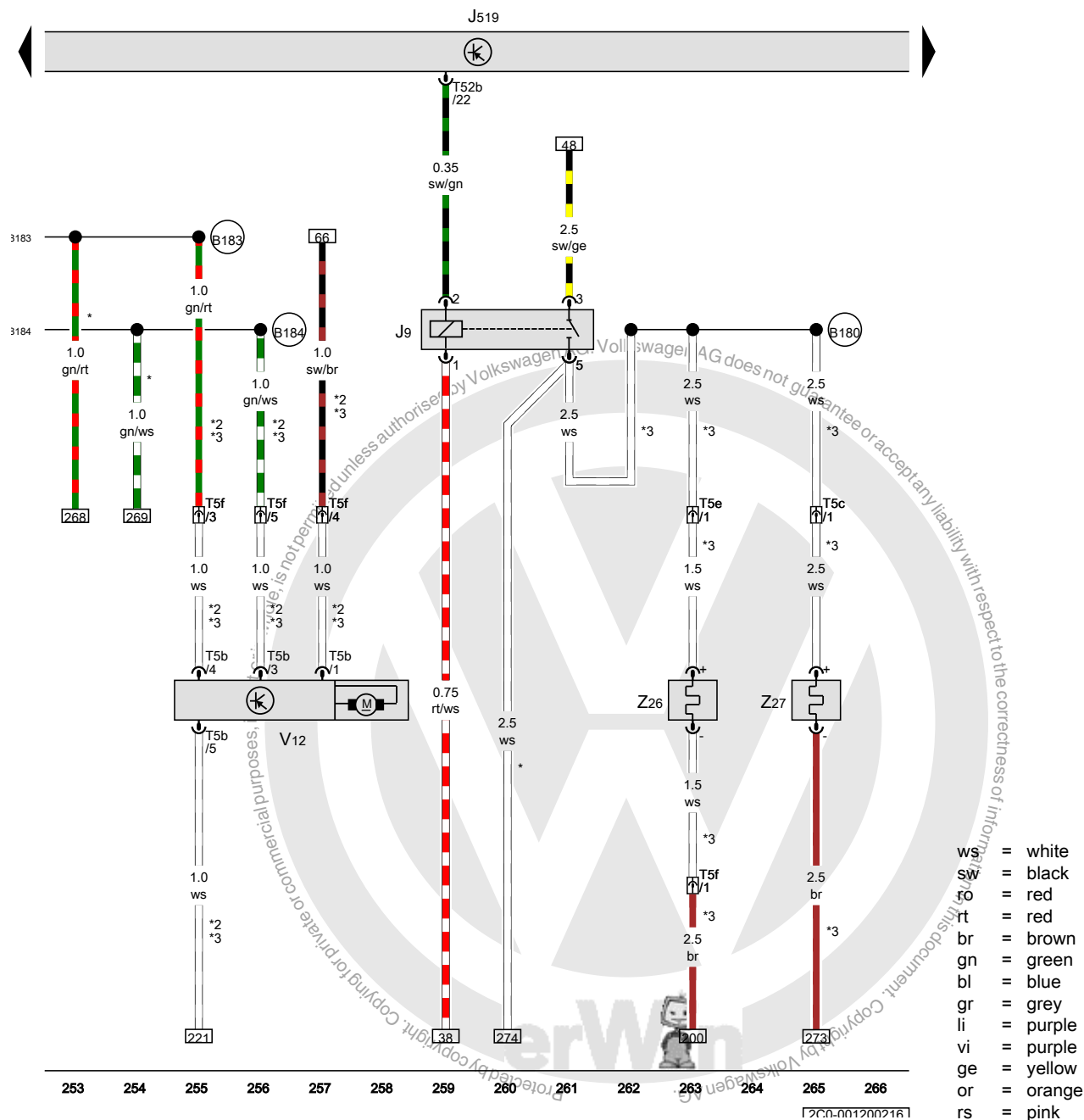


Rain and light sensor, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Washer pump, Windscreen and rear window washer pump

- G397 Rain and light sensor
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- T3w 3-pin connector
- T4p 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V Windscreen wiper motor
- V5 Washer pump
- V59 Windscreen and rear window washer pump

- B162 Connection (75a), in interior wiring harness
- B183 Connection 1 (washer pump), in interior wiring harness
- B184 Connection 2 (washer pump), in interior wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- * Only models with rain and light sensor
- *2 Up to April 2011
- *3 Only models with rear window wiper
- *4 Only models with no rain and light sensor
- *5 Only models with no rear window wiper
- *6 From May 2011

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Heated rear window relay, Onboard supply control unit, Rear window wiper motor, Heated rear window in left wing door, Heated rear window in right wing door

- J9 Heated rear window relay
- J519 Onboard supply control unit
- T5b 5-pin connector
- T5c 5-pin connector, in rear right side panel, light pink
- T5e 5-pin connector, in rear left side panel, black
- T5f 5-pin connector, in rear left side panel, light pink
- T52b 52-pin connector, white
- V12 Rear window wiper motor
- Z26 Heated rear window in left wing door
- Z27 Heated rear window in right wing door
- B180 Connection (heated rear window), in interior wiring harness
- B183 Connection 1 (washer pump), in interior wiring harness
- B184 Connection 2 (washer pump), in interior wiring harness
- * Only models with rear lid
- *2 Only models with rear window wiper
- *3 Only models with wing doors

Onboard supply control unit, Rear window wiper motor, Heated rear window

- J519 Onboard supply control unit
 T4 4-pin connector
 T5c 5-pin connector, in rear right side panel, light pink
 T5e 5-pin connector, in rear left side panel, black
 V12 Rear window wiper motor
 Z1 Heated rear window

209 Earth connection 6, in engine compartment wiring harness

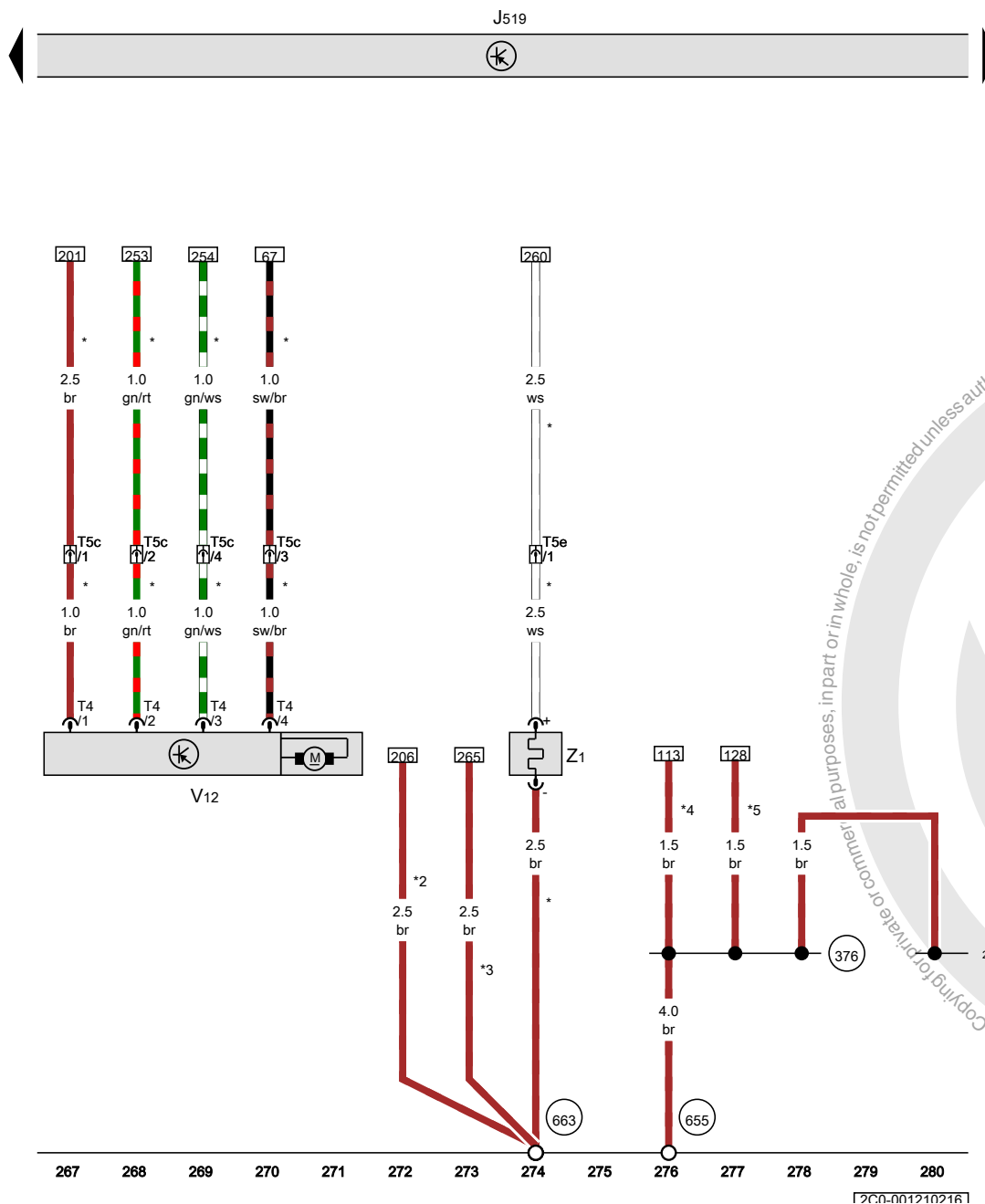
376 Earth connection 11, in main wiring harness

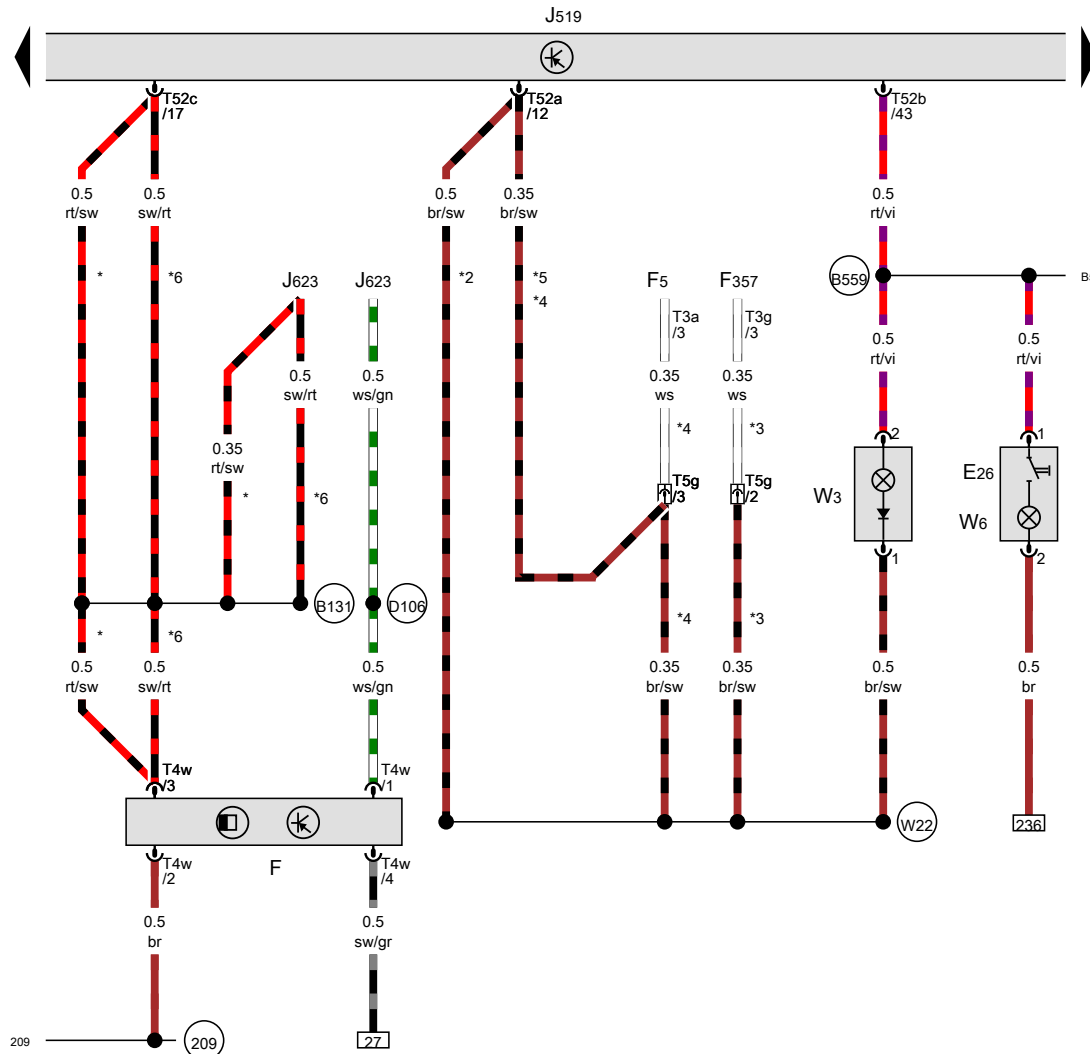
655 Earth point, on left headlight

663 Earth point, rear right side panel

- * Only models with rear lid
 *2 Optional equipment
 *3 Only models with wing doors
 *4 Only models with H4 headlights
 *5 Only models with H7 headlights

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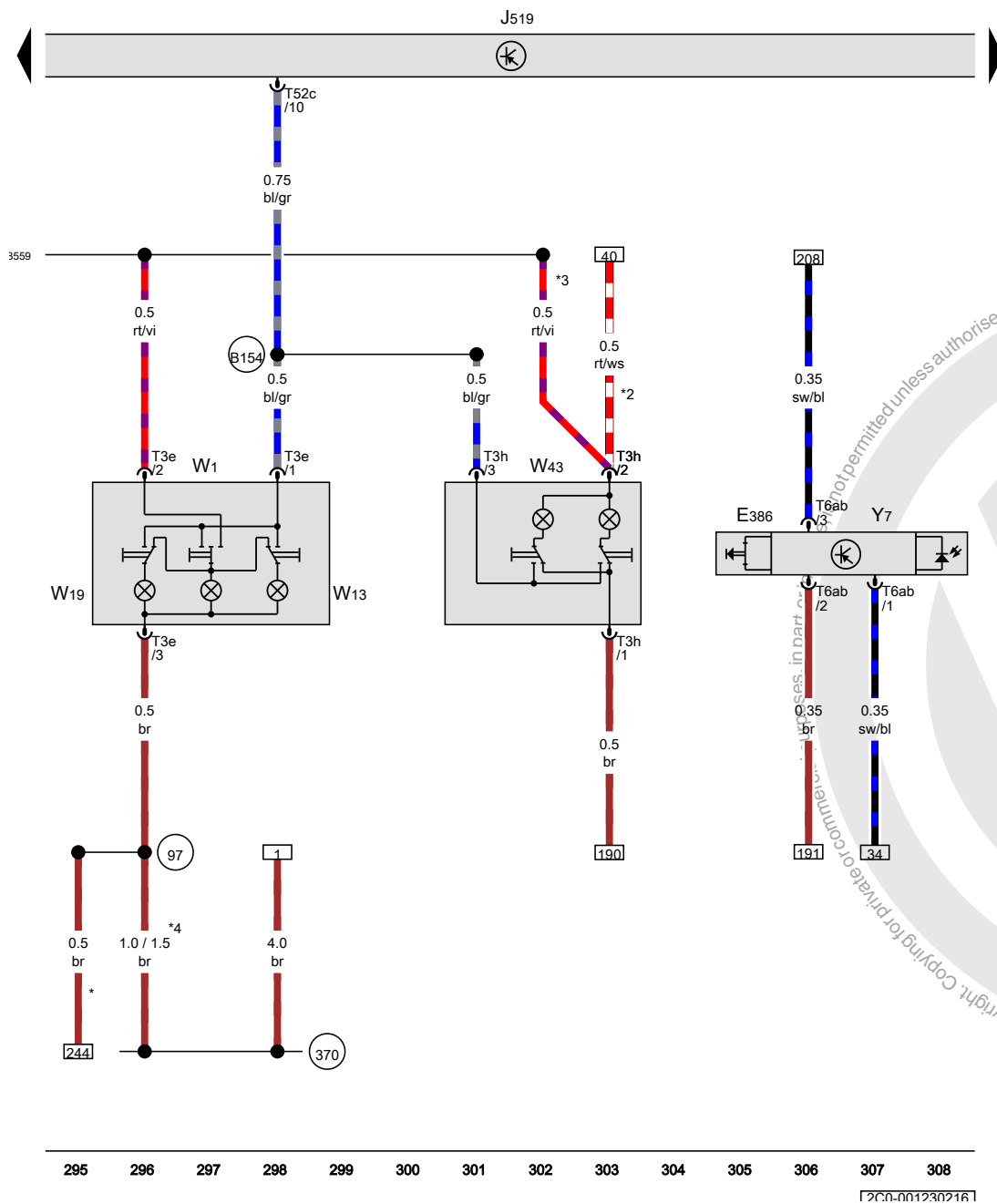




Glove compartment light switch, Brake light switch, Onboard supply control unit, Luggage compartment light, Glove compartment light

- E26 Glove compartment light switch
- F Brake light switch
- F5 Luggage compartment light switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- J623 Engine control unit
- T1 1-pin connector
- T3a 3-pin connector
- T3g 3-pin connector
- T4w 4-pin connector
- T5g 5-pin connector, in rear left side panel, light pink
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- W3 Luggage compartment light
- W6 Glove compartment light
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- W22 Connection (door contact switch), in rear wiring harness
- * Up to April 2011
- *2 Only models with luggage compartment light
- *3 Only models with wing doors
- *4 Only models with rear lid
- *5 Only models with no luggage compartment light
- *6 From May 2011

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 or = orange
 rs = pink

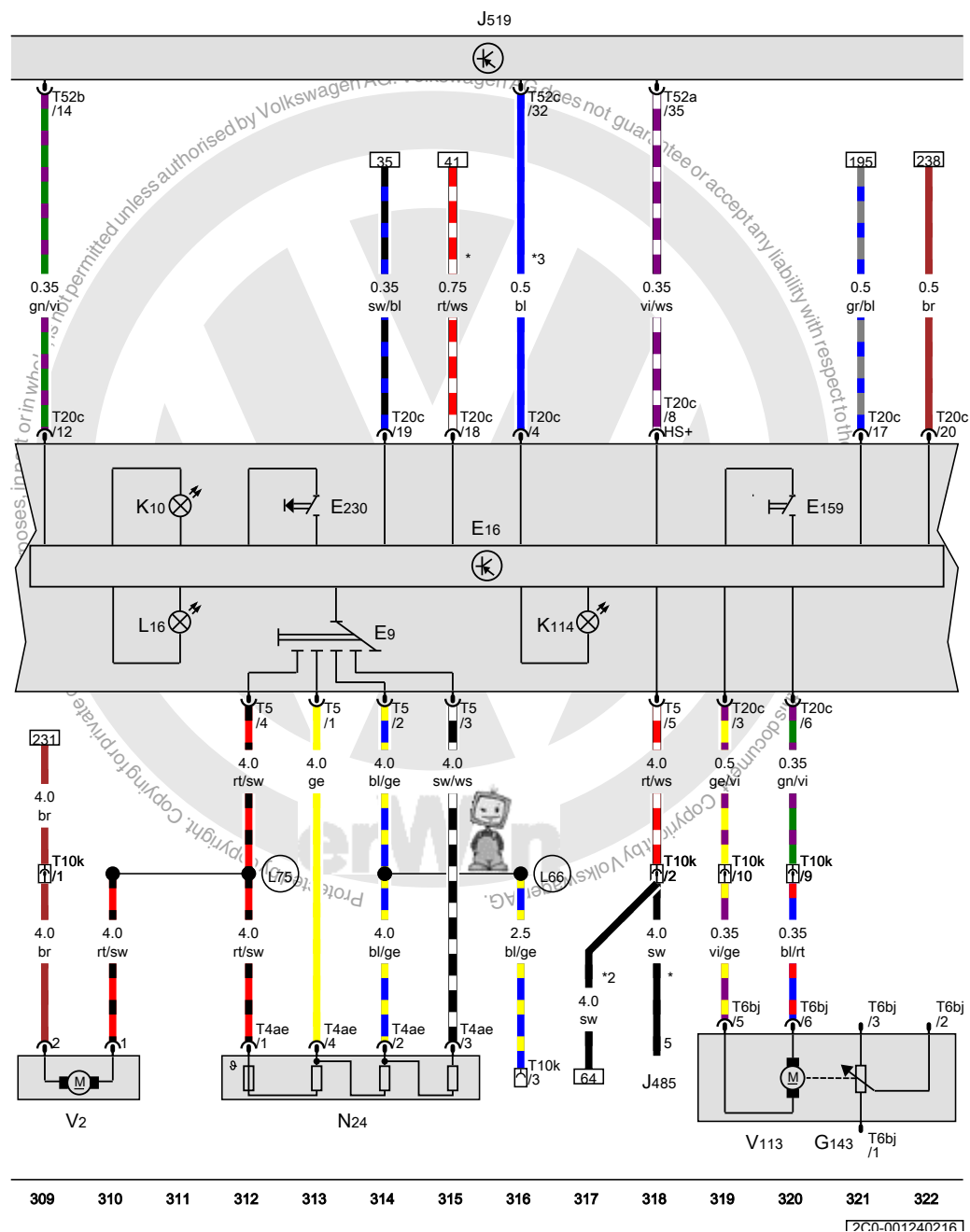


Anti-dazzle interior mirror button, Onboard supply control unit, Front interior light, Rear interior light, Automatic anti-dazzle interior mirror

- E386 Anti-dazzle interior mirror button
- J519 Onboard supply control unit
- T3e 3-pin connector
- T3h 3-pin connector
- T6ab 6-pin connector
- T52c 52-pin connector, brown
- W1 Front interior light
- W13 Front passenger reading light
- W19 Driver side reading light
- W43 Rear interior light
- Y7 Automatic anti-dazzle interior mirror
- 97 Earth connection 1, in air conditioning system wiring harness
- 370 Earth connection 5, in main wiring harness
- B154 Connection 1 (DCT), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- * Only models with rain and light sensor
- *2 Only Camper
- *3 Not for Camper
- *4 From May 2011

ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
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Fresh air blower switch, Heater/heat output switch, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Air recirculation flap control motor



- E9 Fresh air blower switch
- E16 Heater/heat output switch
- E159 Fresh air and air recirculation flap switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- T4ae 4-pin connector
- T5 5-pin connector
- T6bj 6-pin connector
- T10k 10-pin connector, behind dash panel, right
- T20c 20-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- V2 Fresh air blower
- V113 Air recirculation flap control motor

L66 Connection, in heater blower wiring harness

L75 Connection 2, in heater blower wiring harness

- * Only models with auxiliary coolant heater
- *2 Only models with no auxiliary coolant heater
- *3 Only models with start/stop system

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Onboard supply control unit, Data bus diagnostic interface,
Diagnostic connection

J519	Onboard supply control unit
J533	Data bus diagnostic interface, on left under dash panel
J743	Mechatronic unit for dual clutch gearbox
T16	16-pin connector
T20	20-pin connector, red
T52c	52-pin connector, brown
U31	Diagnostic connection

367 Earth connection 2, in main wiring harness

A178 Connection (infotainment CAN bus, high), in dash panel wiring harness

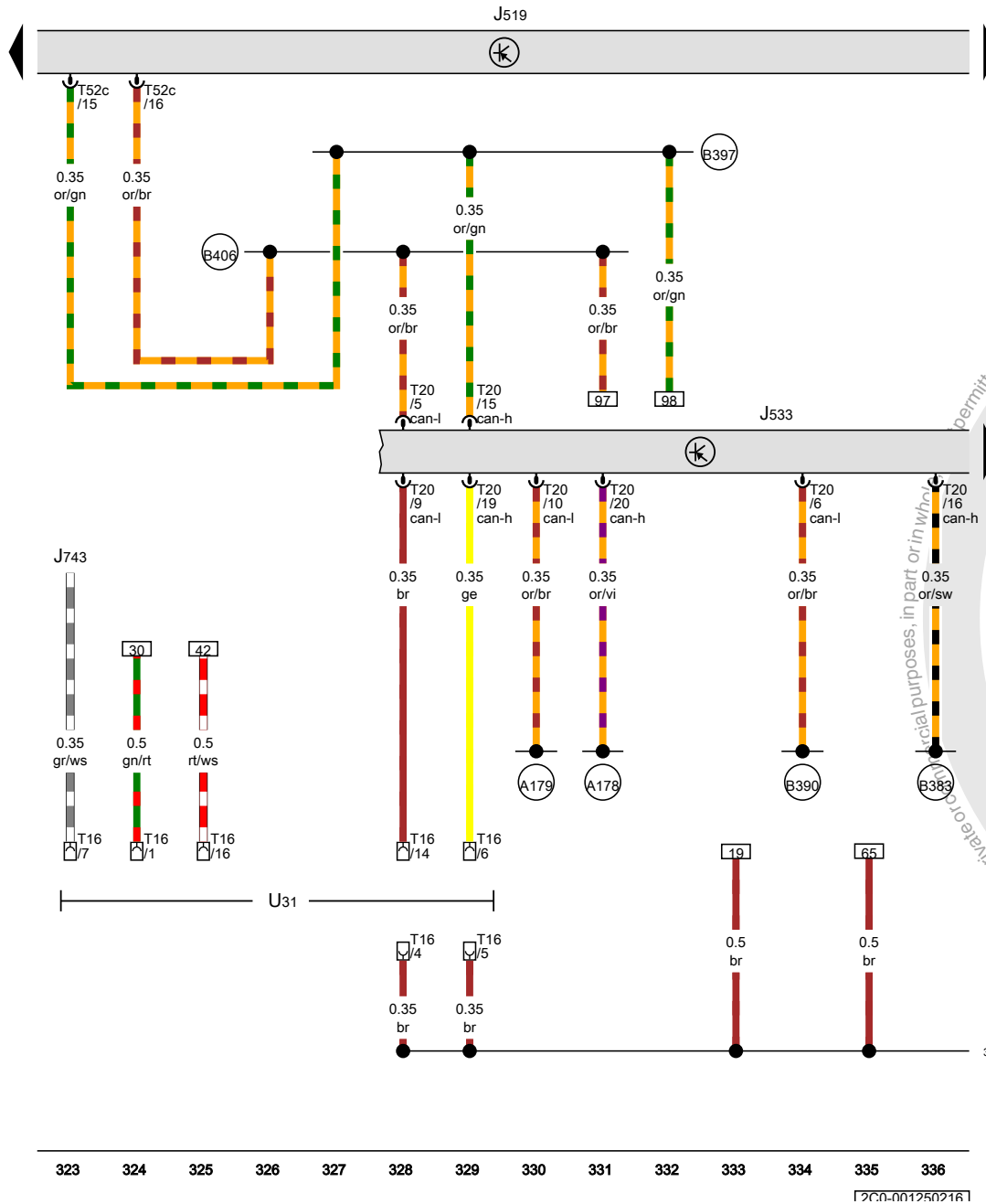
A179 Connection (infotainment CAN bus, low), in dash panel wiring harness

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

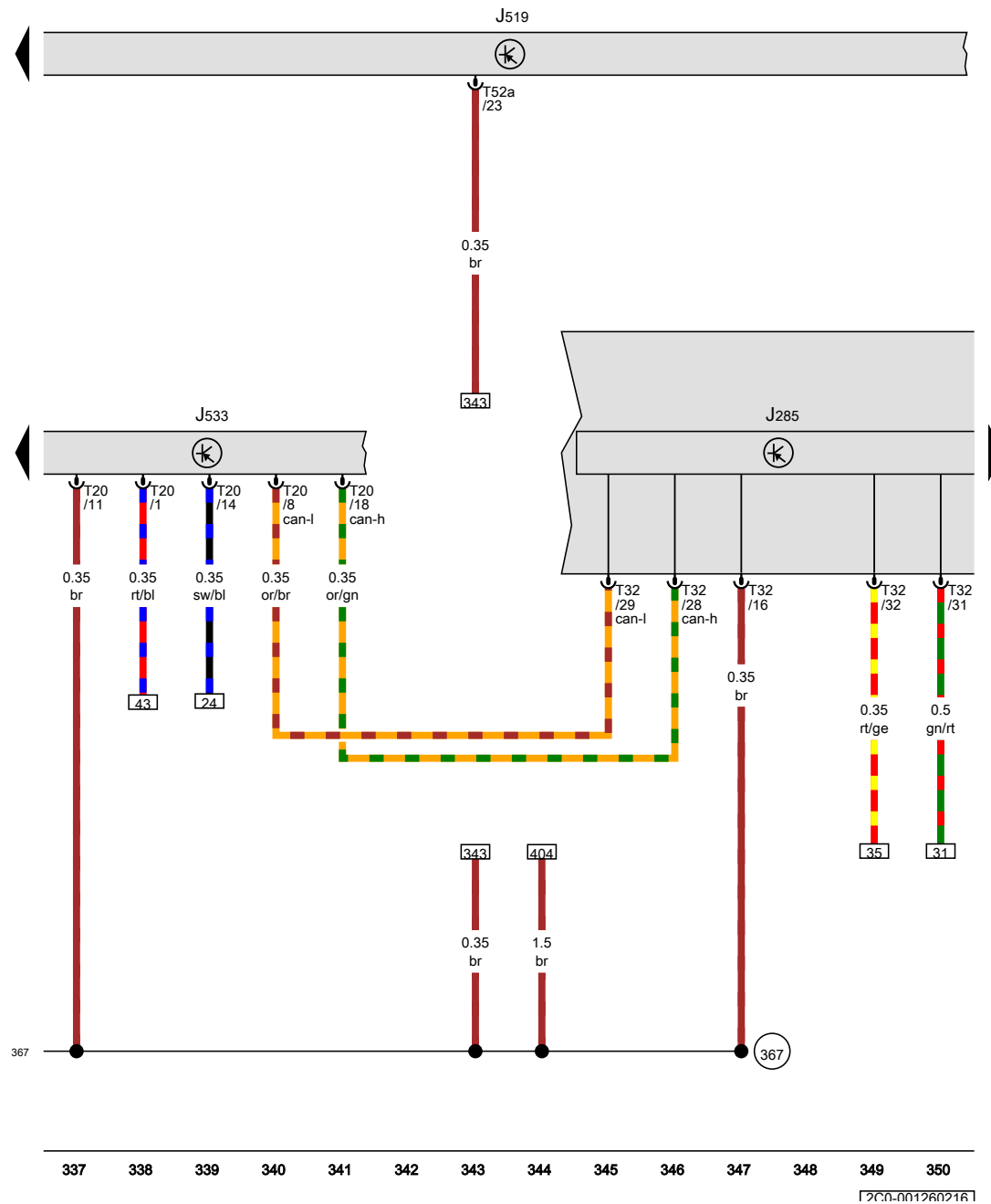
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

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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or = orange
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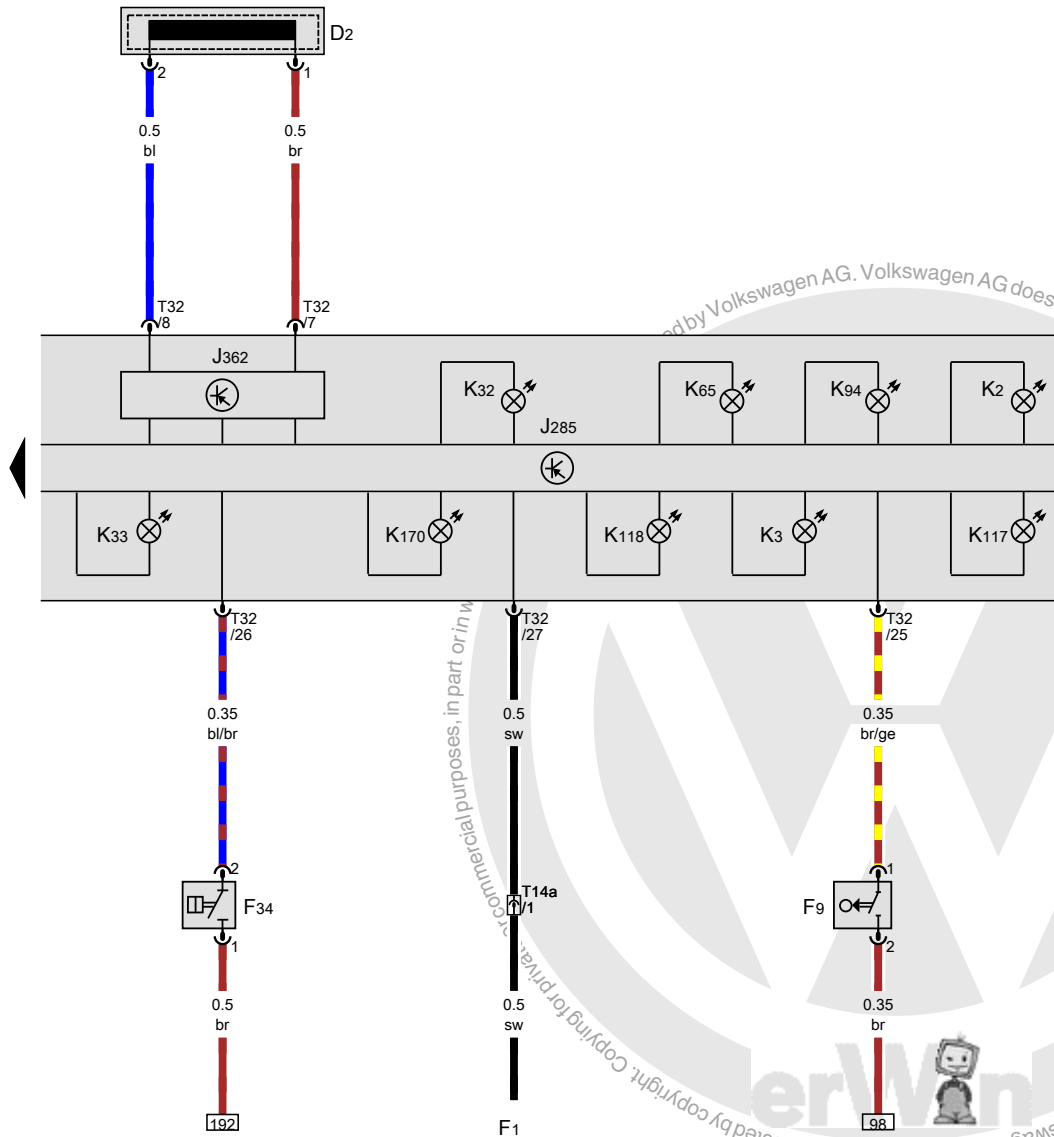


Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface, on left under dash panel
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52a 52-pin connector, black
- 367 Earth connection 2, in main wiring harness

Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Control unit in dash panel insert, Bulb failure warning lamp

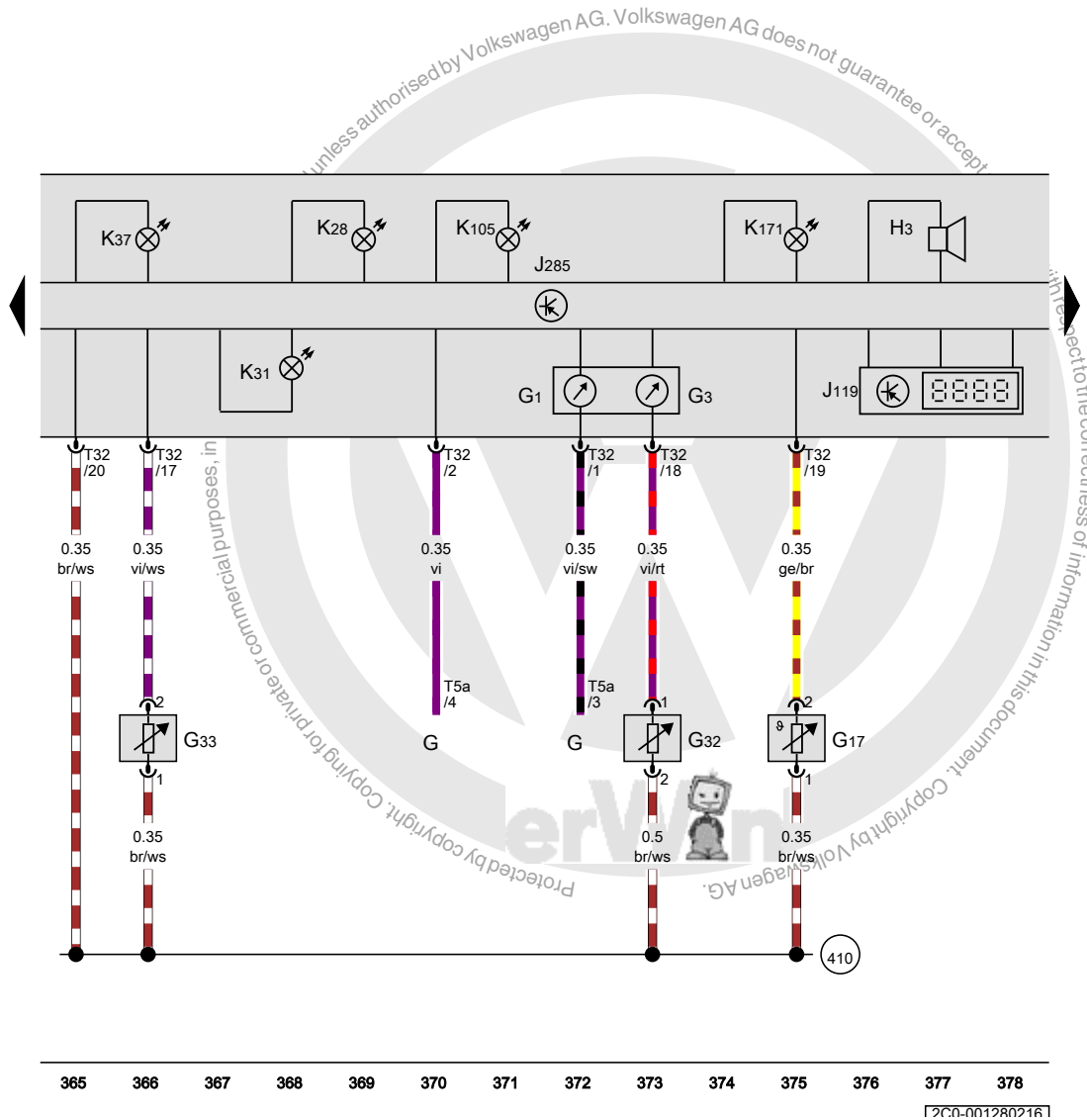
- D2 Immobiliser reader coil
- F1 Oil pressure switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K32 Brake pad warning lamp
- K33 Brake fluid level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K117 Immobiliser warning lamp
- K118 Brake system warning lamp
- K170 Bulb failure warning lamp
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue



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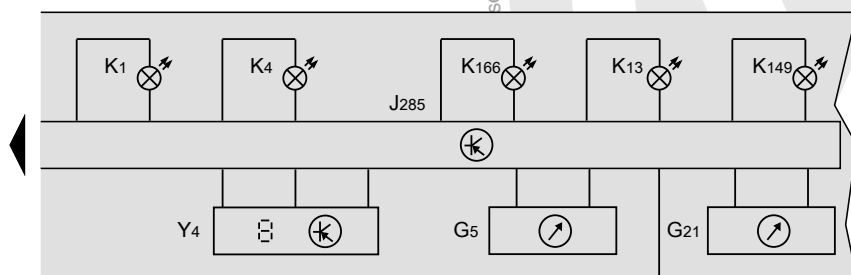
Fuel gauge, Coolant temperature gauge, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Multifunction indicator, Control unit in dash panel insert, Coolant temperature and coolant shortage warning lamp, Washer fluid level warning lamp, Reserve fuel warning lamp, Bonnet open warning lamp

- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K37 Washer fluid level warning lamp
- K105 Reserve fuel warning lamp
- K171 Bonnet open warning lamp
- T5a 5-pin connector
- T32 32-pin connector, blue
- 410 Earth connection 1 (sender earth) in main wiring harness



Rev. counter, Speedometer, Control unit in dash panel insert, Main beam warning lamp, Side light warning lamp, Rear fog light warning lamp, Engine electronics warning lamp, Door open warning lamp, Trip counter

- G5 Rev. counter
- G21 Speedometer
- J285 Control unit in dash panel insert
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- K149 Engine electronics warning lamp
- K166 Door open warning lamp
- Y4 Trip counter
- Output for speed signal

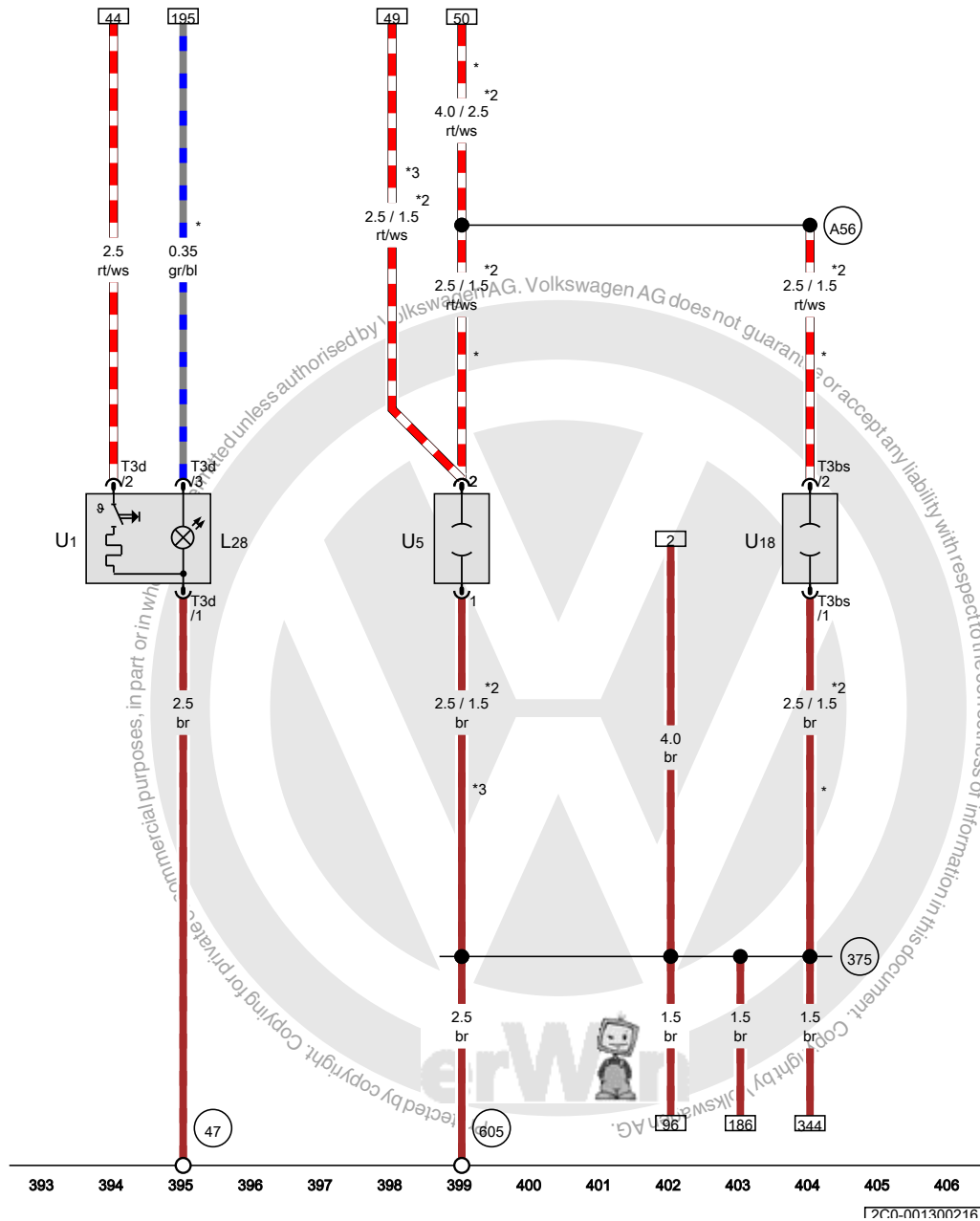


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Cigarette lighter, 12 V socket, 12 V socket 2

- L28 Cigarette lighter illumination bulb
- T3bs 3-pin connector
- T3d 3-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in rear centre console
- U18 12 V socket 2, in rear left side panel

- (47) Earth point, in front right footwell
- (375) Earth connection 10, in main wiring harness
- (605) Earth point, on top end of steering column
- (A56) Positive connection 2 (30), in dash panel wiring harness
- * According to equipment
- *2 From May 2011
- *3 Only models with 12 V socket



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Convenience system with electric window regulators

From August 2010



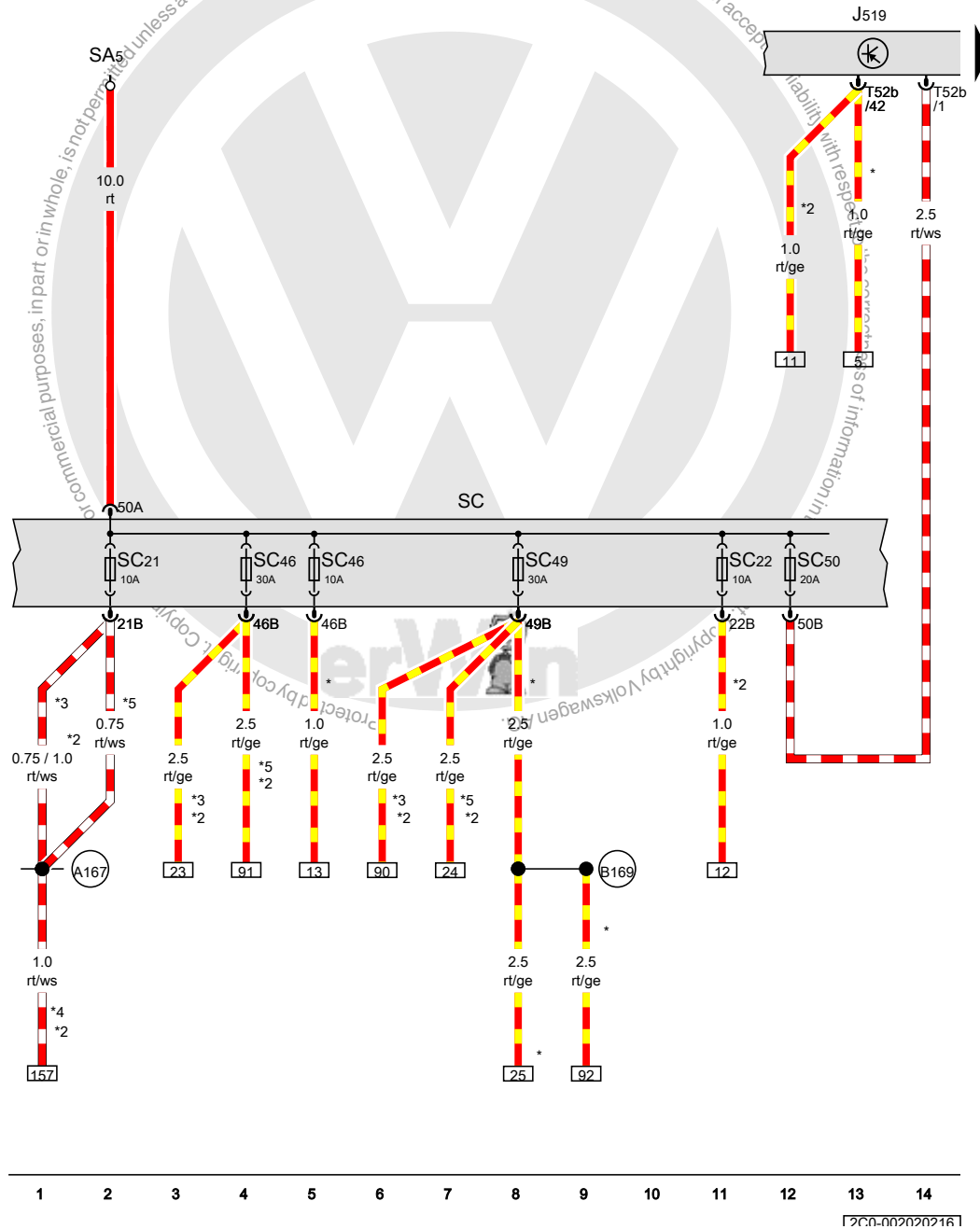
Onboard supply control unit, Fuse 5 in fuse holder A, Fuse holder C

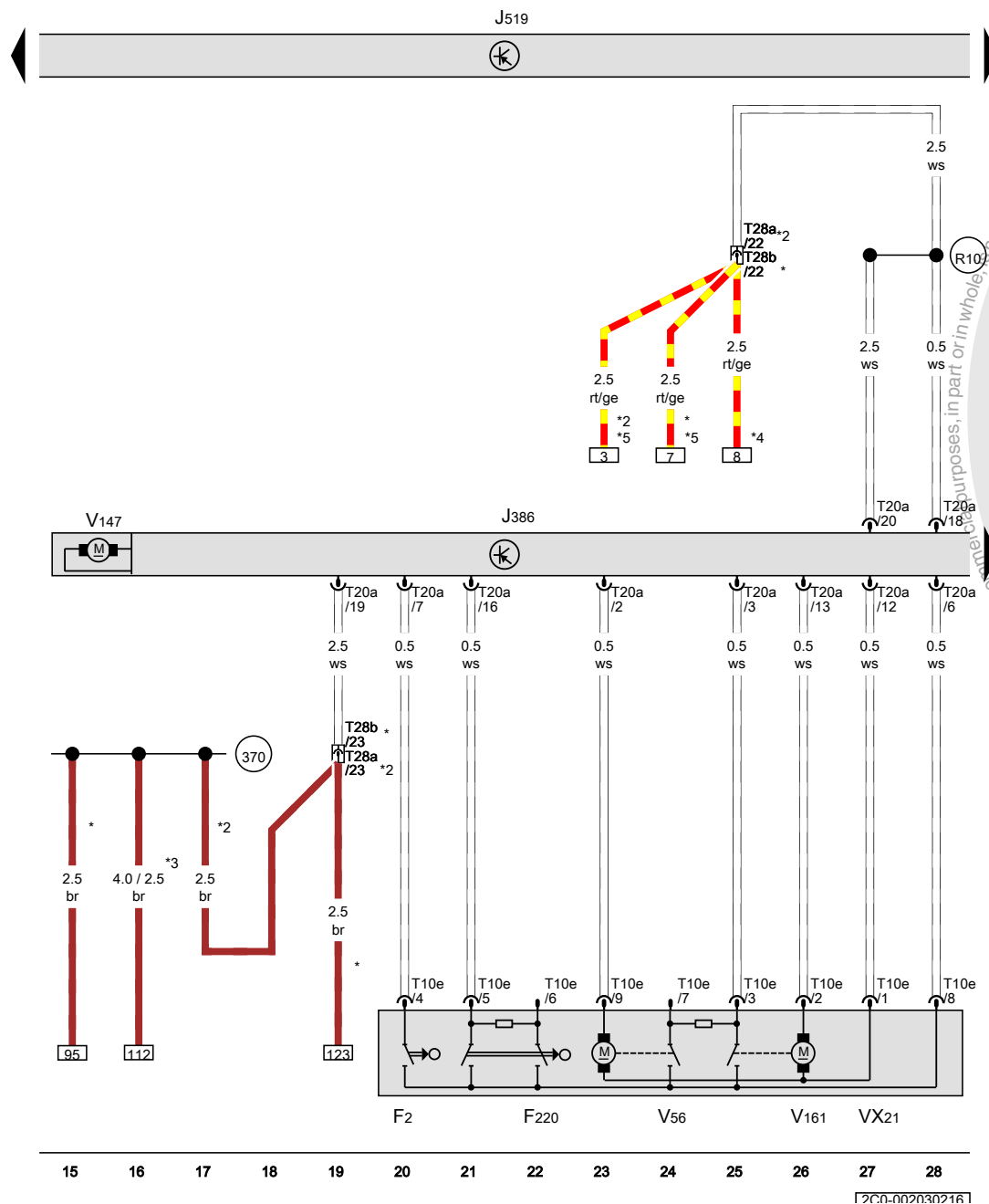
- J519 Onboard supply control unit
- SA5 Fuse 5 in fuse holder A
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T52b 52-pin connector, white

(A167) Positive connection 3 (30a) in dash panel wiring harness

(B169) Positive connection 1 (30), in interior wiring harness

- * Up to April 2011
- *2 From May 2011
- *3 Only left-hand drive models
- *4 Only Camper
- *5 Only right-hand drive models





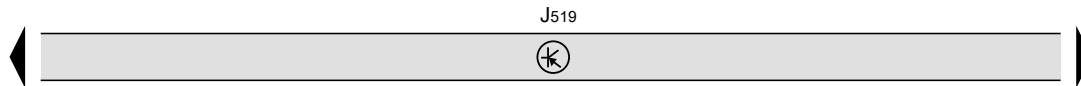
Driver door contact switch, Driver side central locking lock unit, Driver door control unit, Onboard supply control unit, Driver door lock unit, Driver door central locking motor, Driver side window regulator motor, Driver door central locking SAFELOCK function motor

- F2 Driver door contact switch
- F220 Driver side central locking lock unit
- J386 Driver door control unit
- J519 Onboard supply control unit
- T10e 10-pin connector, black
- T20a 20-pin connector, black
- T28a 28-pin connector, in left A-pillar coupling station, black
- T28b 28-pin connector, in right A-pillar coupling station, black
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V147 Driver side window regulator motor
- V161 Driver door central locking SAFELOCK function motor

370 Earth connection 5, in main wiring harness

R10 Positive connection 1 (30), in driver door wiring harness

- * Only right-hand drive models
- *2 Only left-hand drive models
- *3 From November 2012
- *4 Up to April 2011
- *5 From May 2011

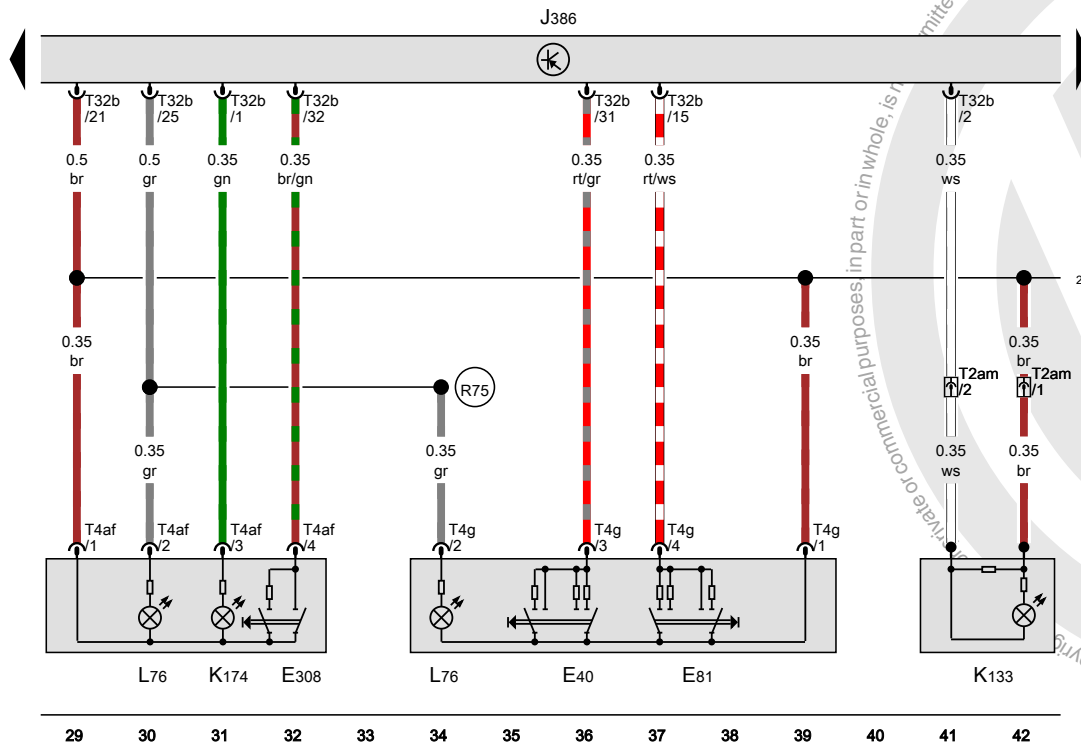


Front left window regulator switch, Front right window regulator switch in driver door, Driver side interior locking button for central locking system, Driver door control unit, Onboard supply control unit, Central locking SAFELOCK function warning lamp

- E40 Front left window regulator switch
- E81 Front right window regulator switch in driver door
- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- J519 Onboard supply control unit
- K133 Central locking SAFELOCK function warning lamp
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2am 2-pin connector, in driver door
- T4af 4-pin connector
- T4g 4-pin connector
- T32b 32-pin connector

205 Earth connection, in driver door wiring harness

R75 Connection 1 (58d), in door control unit wiring harness

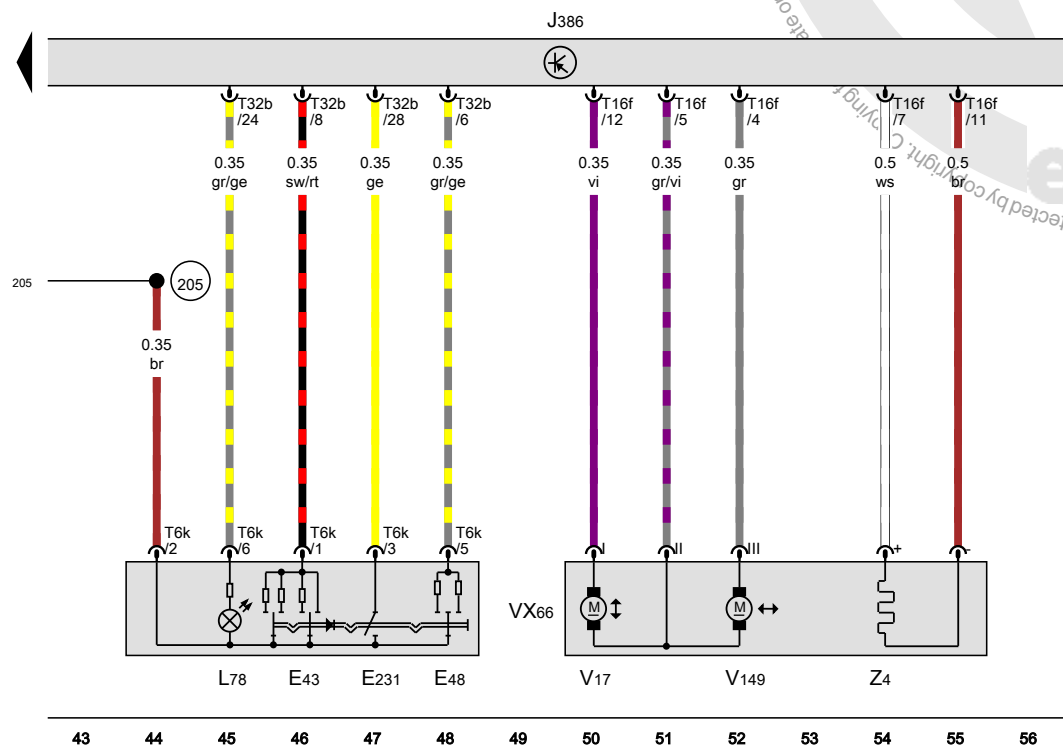


- ws = white
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- rs = pink



Mirror adjustment switch, Mirror adjustment changeover switch, Exterior mirror heater button, Driver door control unit, Onboard supply control unit, Driver side mirror adjustment motor 2, Left exterior mirror, Heated exterior mirror on driver side

- E43 Mirror adjustment switch
- E48 Mirror adjustment changeover switch
- E231 Exterior mirror heater button
- J386 Driver door control unit
- J519 Onboard supply control unit
- L78 Mirror adjustment switch illumination bulb
- T6k 6-pin connector
- T16f 16-pin connector
- T32b 32-pin connector
- V17 Driver side mirror adjustment motor 2
- VX66 Left exterior mirror
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side
- 205 Earth connection, in driver door wiring harness

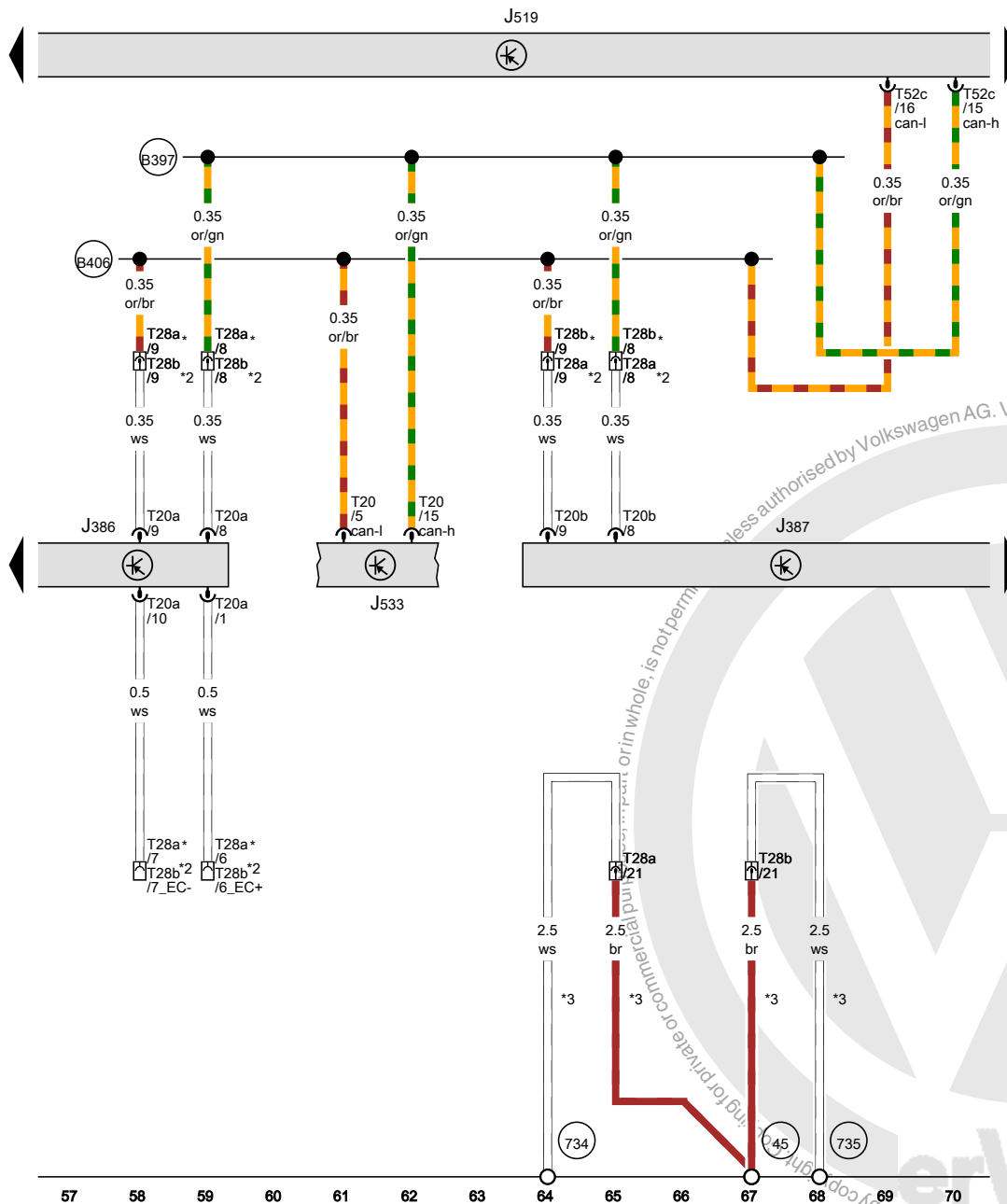


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Driver door control unit, Front passenger door control unit,
Onboard supply control unit, Data bus diagnostic interface

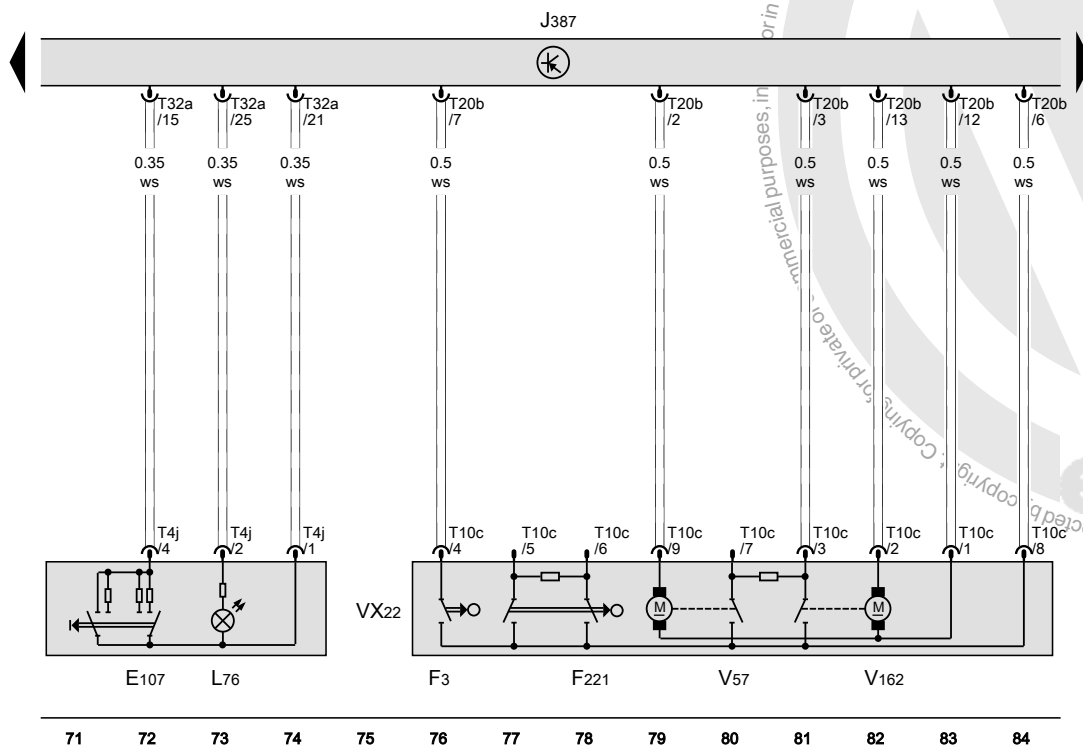
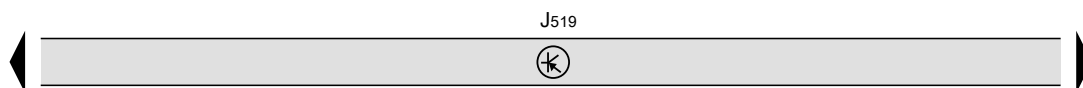
- | | |
|------|--|
| J386 | Driver door control unit |
| J387 | Front passenger door control unit |
| J519 | Onboard supply control unit |
| J533 | Data bus diagnostic interface |
| T20 | 20-pin connector, red |
| T20a | 20-pin connector, black |
| T20b | 20-pin connector, black |
| T28a | 28-pin connector, in left A-pillar coupling station, black |
| T28b | 28-pin connector, in right A-pillar coupling station, black |
| T52c | 52-pin connector, brown |
| 45 | Earth point, centre behind dash panel |
| 734 | Earth point in front left door |
| 735 | Earth point in front right door |
| B397 | Connection 1 (convenience CAN bus, high), in main wiring harness |
| B406 | Connection 1 (convenience CAN bus, low), in main wiring harness |
| * | Only left-hand drive models |
| *2 | Only right-hand drive models |
| *3 | Only models with radio navigation system |

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



Window regulator switch in front passenger door, Front passenger door contact switch, Front passenger side central locking lock unit, Front passenger door control unit, Onboard supply control unit, Front passenger door lock unit, Front passenger door central locking motor, Front passenger door central locking SAFELOCK function motor

- E107 Window regulator switch in front passenger door
- F3 Front passenger door contact switch
- F221 Front passenger side central locking lock unit
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- L76 Button illumination bulb
- T4j 4-pin connector
- T10c 10-pin connector, black
- T20b 20-pin connector, black
- T32a 32-pin connector
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

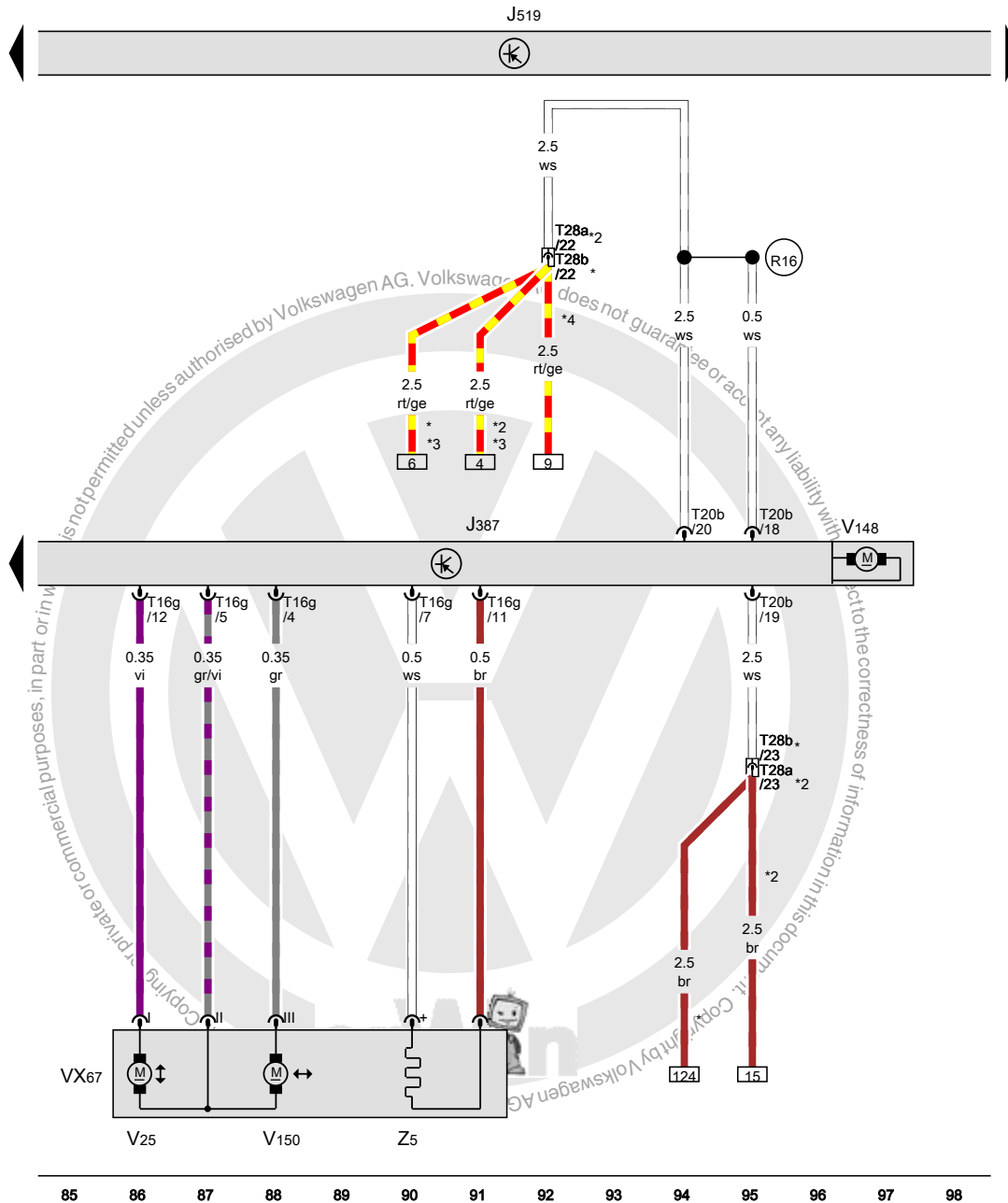


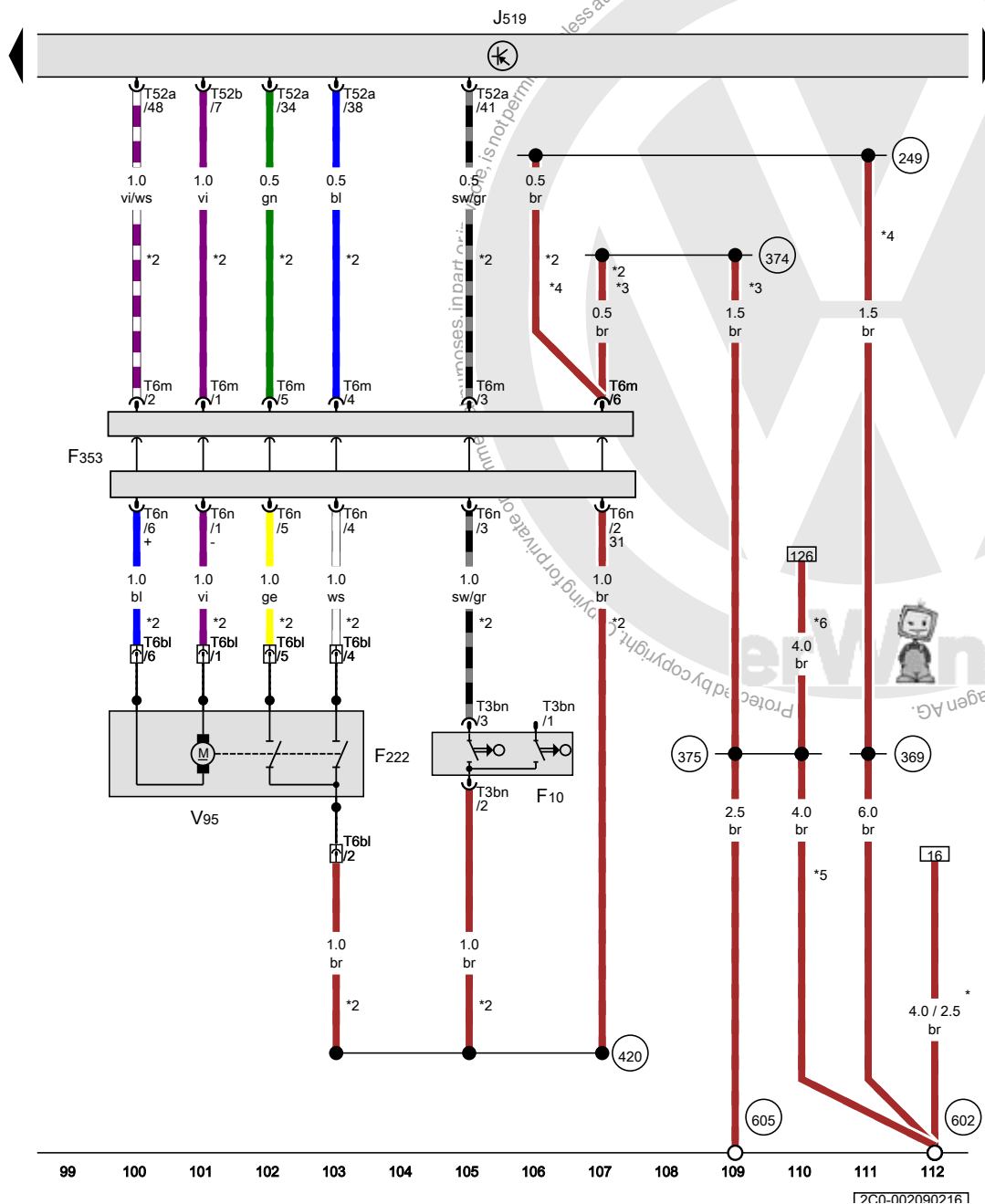
- ws = white
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Front passenger door control unit, Onboard supply control unit, Front passenger side mirror adjustment motor 2, Right exterior mirror, Front passenger side window regulator motor, Heated exterior mirror on front passenger side

- J387 Front passenger door control unit
- J519 Onboard supply control unit
- T16g 16-pin connector
- T20b 20-pin connector, black
- T28a 28-pin connector, in left A-pillar coupling station, black
- T28b 28-pin connector, in right A-pillar coupling station, black
- V25 Front passenger side mirror adjustment motor 2
- VX67 Right exterior mirror
- V148 Front passenger side window regulator motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side
- R16 Positive connection 1 (30), in front passenger door wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 From May 2011
- *4 Up to April 2011

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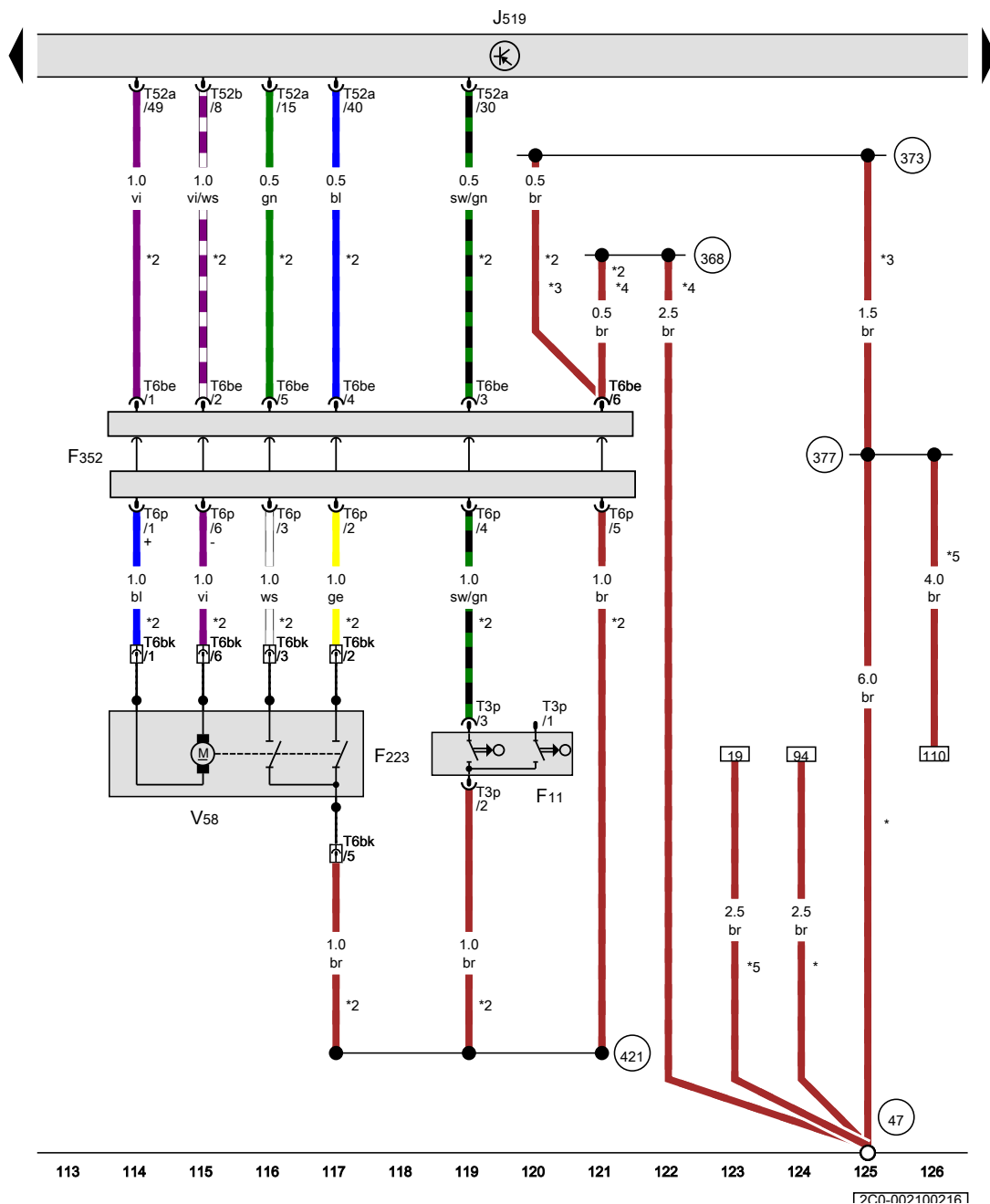


Rear left door contact switch, Rear left central locking lock unit, Contact strip in left sliding door, Onboard supply control unit

- F10 Rear left door contact switch
- F222 Rear left central locking lock unit
- F353 Contact strip in left sliding door
- J519 Onboard supply control unit
- T3bn 3-pin connector
- T6bl 6-pin connector, in left sliding door, black
- T6m 6-pin connector
- T6n 6-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V95 Left sliding door central locking motor
- 249 Earth connection 2, in interior wiring harness
- 369 Earth connection 4, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 420 Earth connection 1, in left sliding door wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column

- * From November 2012
- *2 Only models with left sliding door
- *3 From May 2011
- *4 Up to April 2011
- *5 Only left-hand drive models
- *6 Only right-hand drive models

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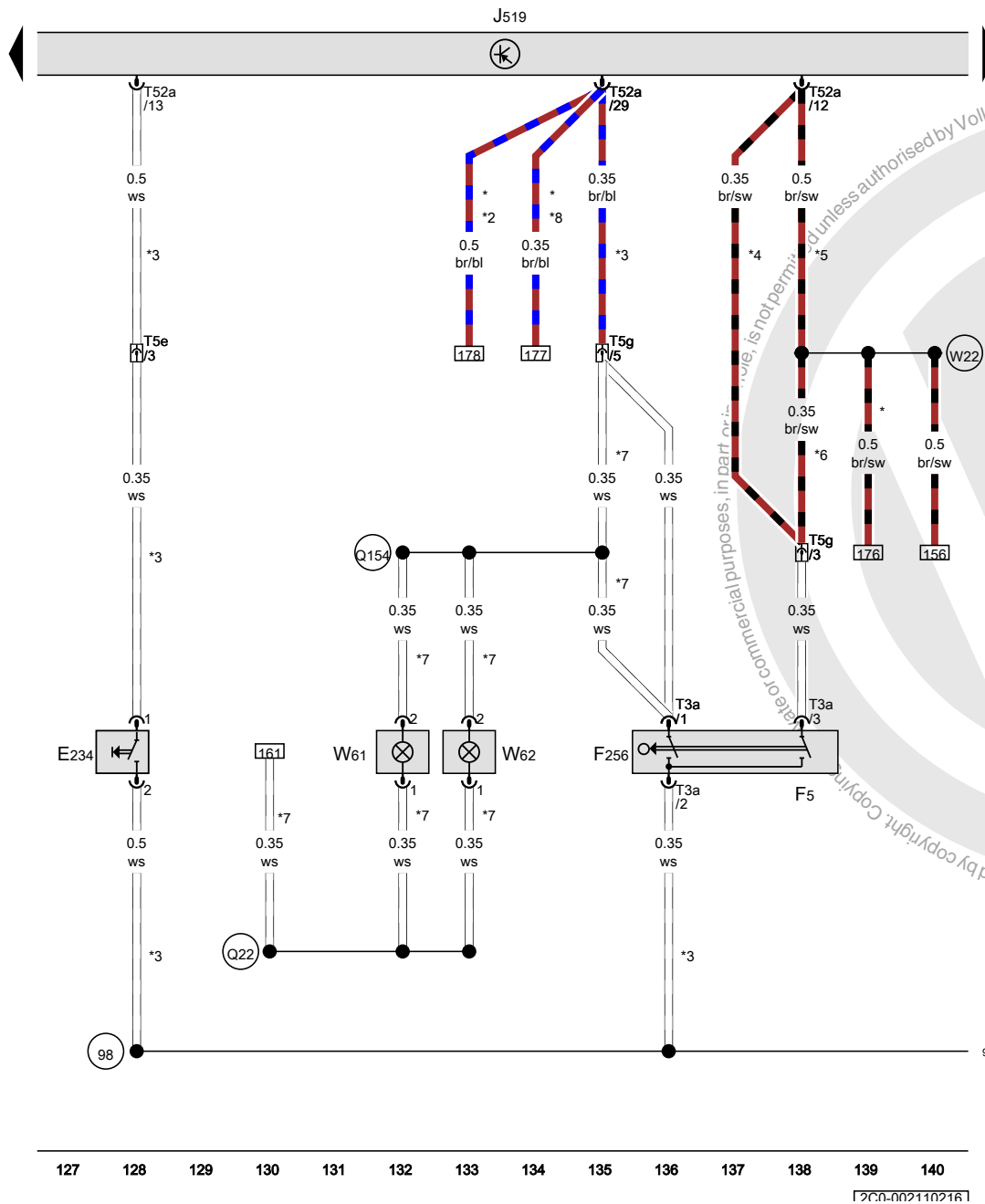
Rear right door contact switch, Rear right central locking lock unit, Contact strip in right sliding door, Onboard supply control unit

- F11 Rear right door contact switch
- F223 Rear right central locking lock unit
- F352 Contact strip in right sliding door
- J519 Onboard supply control unit
- T3p 3-pin connector
- T6be 6-pin connector
- T6bk 6-pin connector, in right sliding door
- T6p 6-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V58 Right sliding door central locking motor

- 47 Earth point, in front right footwell
- 368 Earth connection 3, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 421 Earth connection 1, in right sliding door wiring harness
- * Only left-hand drive models
- *2 Only models with right sliding door
- *3 From May 2011
- *4 Up to April 2011
- *5 Only right-hand drive models

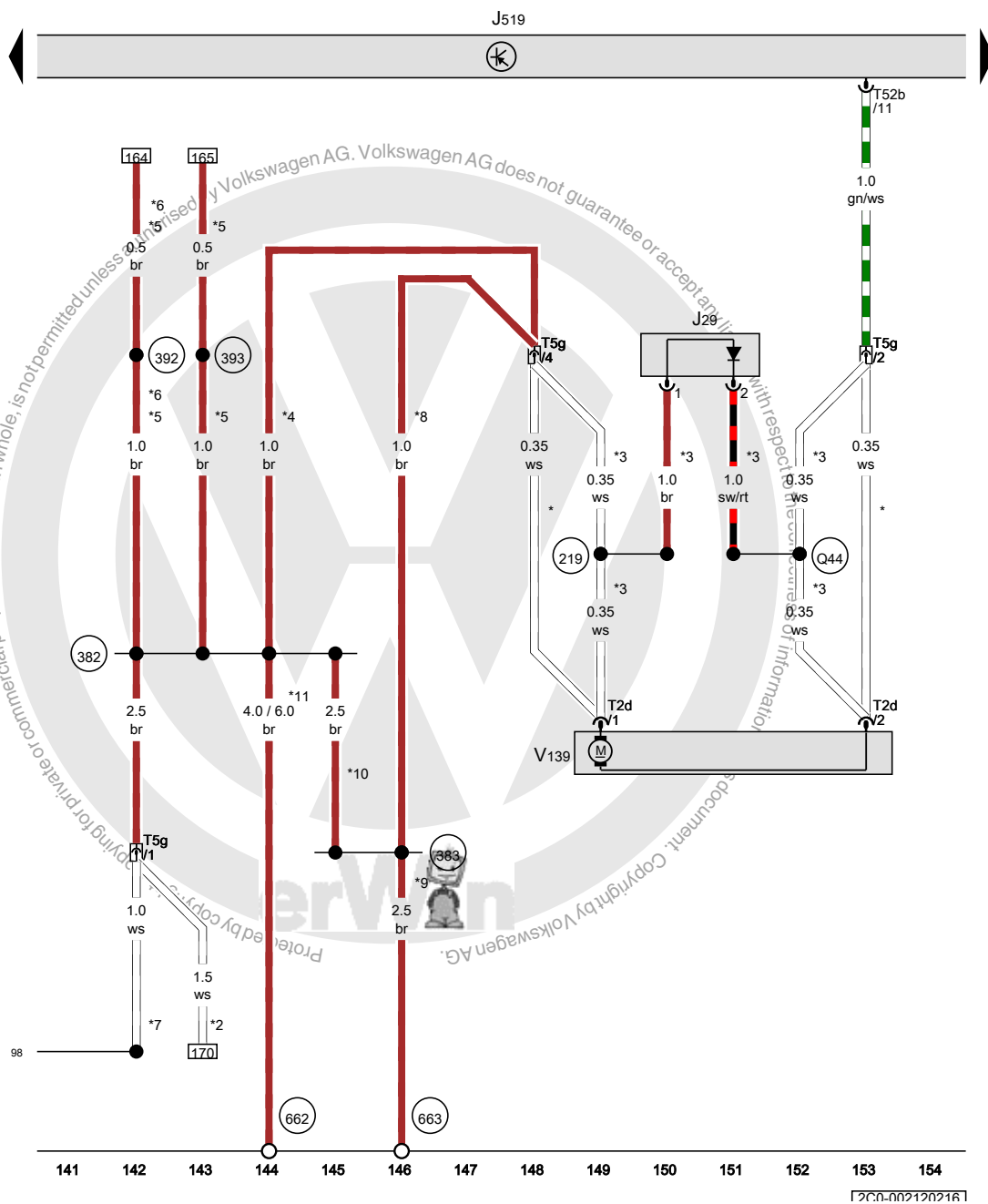
ws = white
 sw = black
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 gn = green
 bl = blue
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 or = orange
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Rear lid handle release button, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Surround lighting 1 in rear lid, Surround lighting 2 in rear lid



- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T3a 3-pin connector
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- W61 Surround lighting 1 in rear lid
- W62 Surround lighting 2 in rear lid
- 98 Earth connection, in rear lid wiring harness
- Q22 Connection 1, in rear lid wiring harness
- Q154 Connection (rear lid contact switch), in rear lid wiring harness
- W22 Connection (door contact switch), in rear wiring harness
- * Only models with wing doors
- *2 Up to April 2014
- *3 Only models with rear lid
- *4 Only models with no luggage compartment light
- *5 Only models with luggage compartment light
- *6 Only panel van
- *7 Only Camper
- *8 From May 2014

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 ro = red
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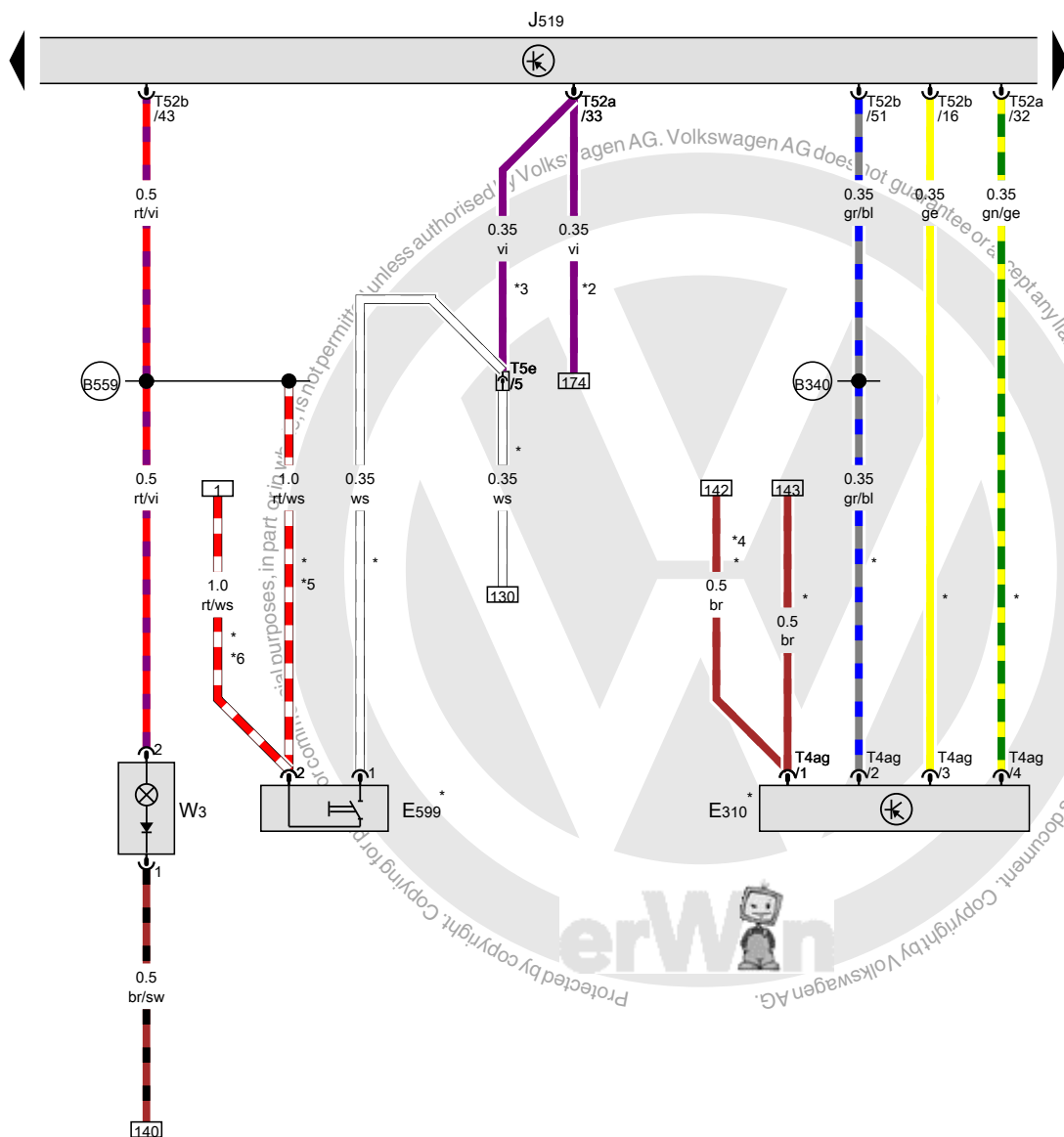
Blocking diode, Onboard supply control unit, Rear lid release motor

- J29 Blocking diode
- J519 Onboard supply control unit
- T2d 2-pin connector
- T5g 5-pin connector, in rear left side panel, brown
- T52b 52-pin connector, white
- V139 Rear lid release motor

- 98 Earth connection, in rear lid wiring harness
- 219 Earth connection 2, in rear lid wiring harness
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 392 Earth connection 27, in main wiring harness
- 393 Earth connection 28, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- Q44 Connection 2, in rear lid wiring harness

- * Only panel van
- *2 Only models with wing doors
- *3 Only Kombi models
- *4 Up to April 2011
- *5 Only Camper
- *6 Only Caddy Maxi
- *7 Only models with rear lid
- *8 From May 2011
- *9 Optional equipment
- *10 Only models with basic equipment
- *11 According to equipment

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- or = orange
- rs = pink



Rear left interior locking button for central locking system,
Interior illumination switch, Onboard supply control unit,
Luggage compartment light

- E310 Rear left interior locking button for central locking system, in luggage compartment, rear left
- E599 Interior illumination switch
- J519 Onboard supply control unit
- T4ag 4-pin connector
- T5e 5-pin connector, in rear left side panel, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- W3 Luggage compartment light

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

B559 Positive connection 1 (30g), in main wiring harness

- * Only Camper
- *2 Only models with wing doors
- *3 Only models with rear lid
- *4 Only Caddy Maxi
- *5 Up to April 2011
- *6 From May 2011

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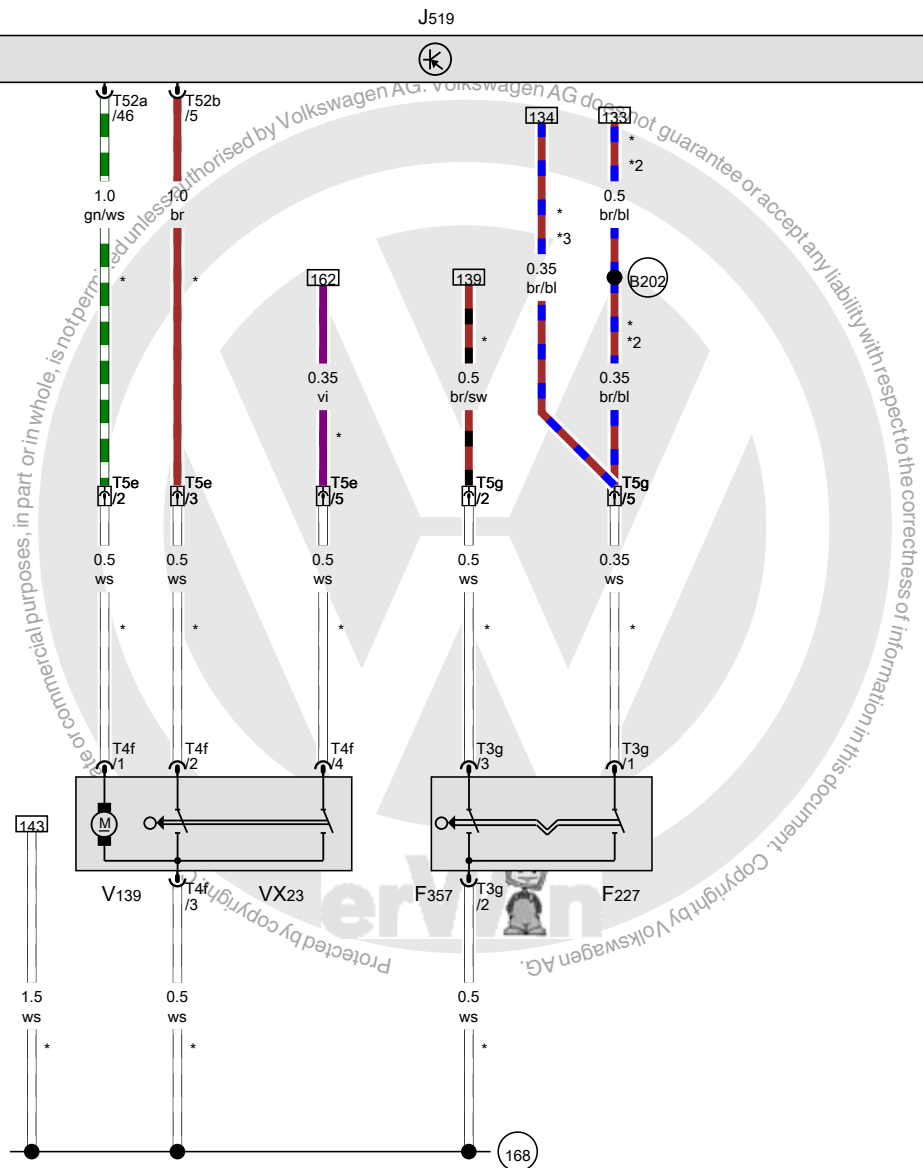
Rear left door contact switch, Left luggage compartment light switch, Onboard supply control unit, Rear left door lock unit, Rear lid release motor

- F227 Rear left door contact switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- T3g 3-pin connector
- T4f 4-pin connector, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- VX23 Rear left door lock unit
- V139 Rear lid release motor

168 Earth connection, in rear left wing door wiring harness

B202 Connection 3 (DCt), in interior wiring harness

- * Only models with wing doors
- *2 Up to April 2014
- *3 From May 2014



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Climatic

From August 2010



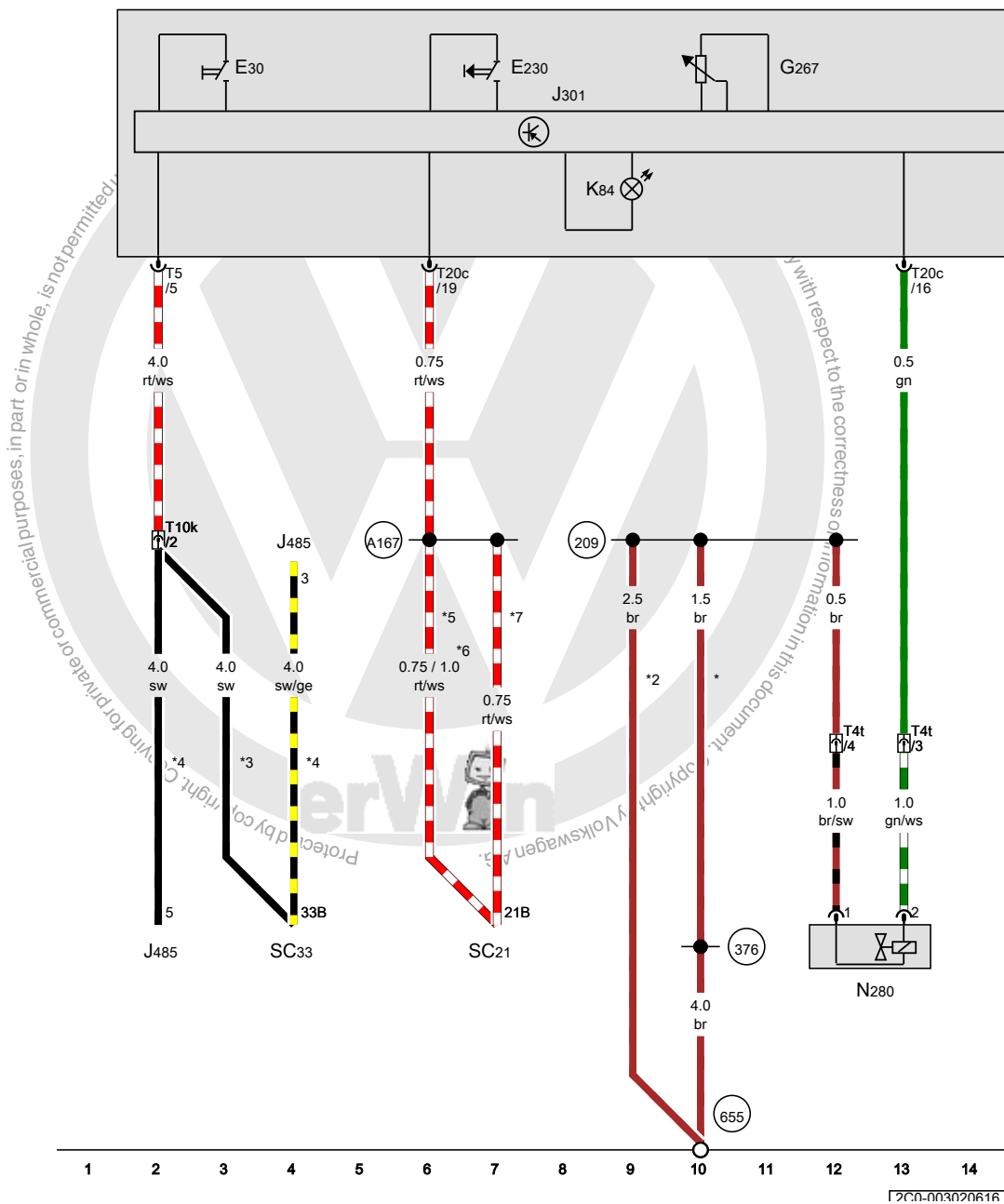
Air conditioning system control unit, Air conditioner compressor regulating valve

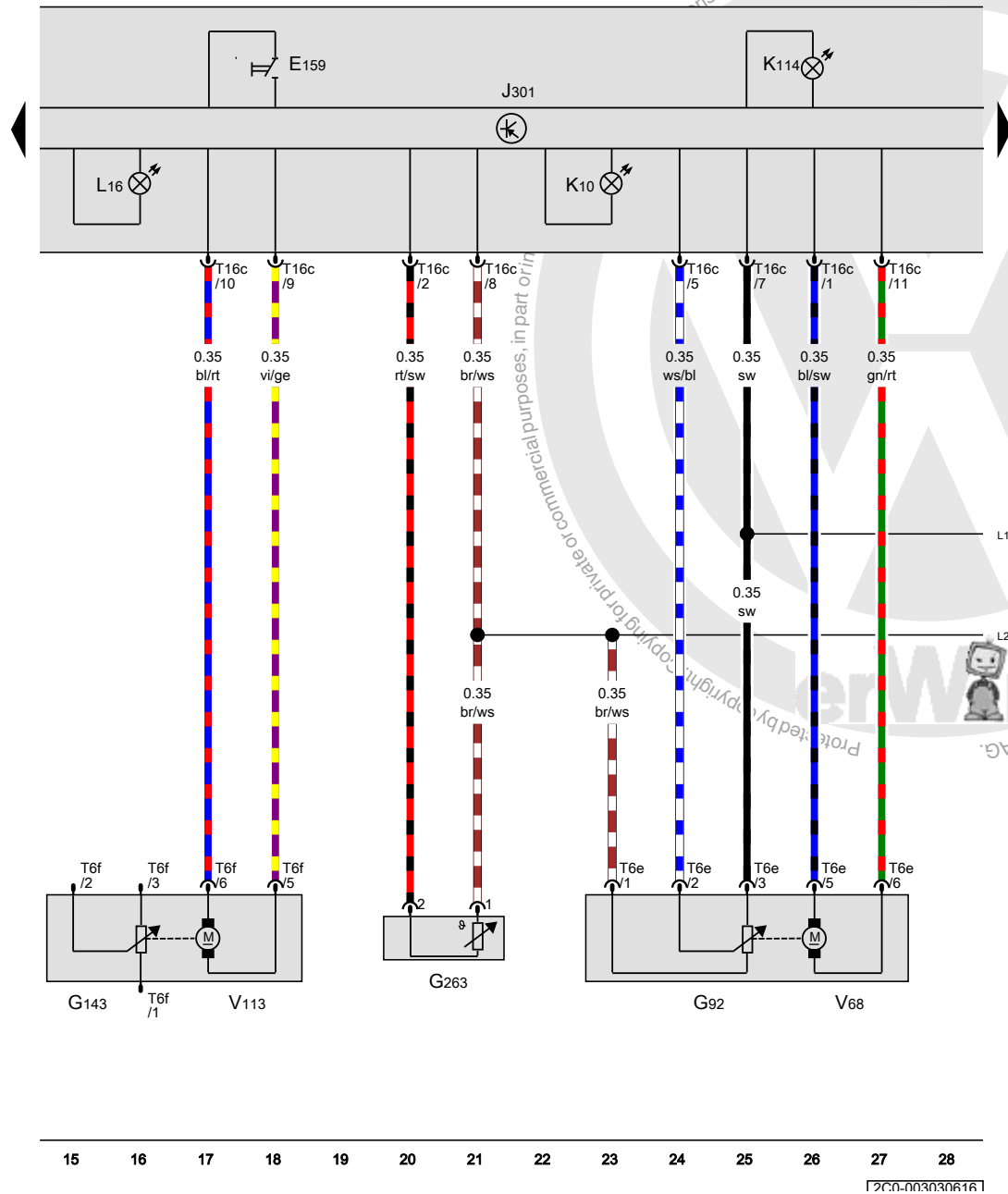
- E30 Air conditioning system switch
- E230 Heated rear window button
- G267 Potentiometer for temperature selection rotary knob
- J301 Air conditioning system control unit
- J485 Auxiliary heater operation relay
- K84 Air conditioning system warning lamp
- N280 Air conditioner compressor regulating valve
- SC21 Fuse 21 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T4t 4-pin connector, front left in engine compartment, black
- T5 5-pin connector
- T10k 10-pin connector
- T20c 20-pin connector, black

- (209) Earth connection 6, in engine compartment wiring harness
- (376) Earth connection 11, in main wiring harness
- (655) Earth point, on left headlight
- (A167) Positive connection 3 (30a) in dash panel wiring harness

- * Up to April 2012
- *2 From May 2012
- *3 Only models with no auxiliary coolant heater
- *4 Only models with auxiliary coolant heater
- *5 Only left-hand drive models
- *6 From May 2011
- *7 Only right-hand drive models

- 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



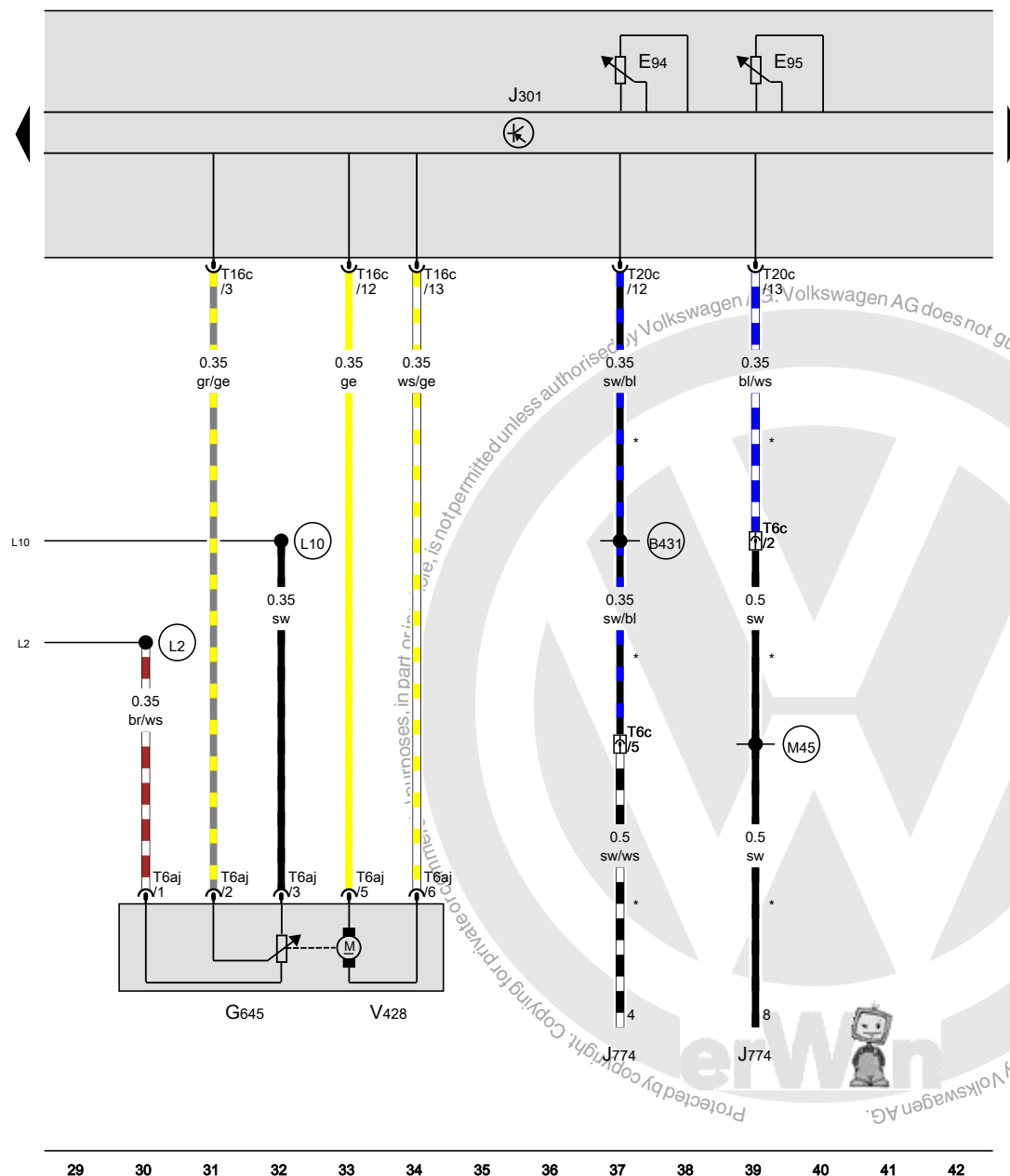


Potentiometer for temperature flap control motor, Evaporator output temperature sender, Air conditioning system control unit, Temperature flap control motor

- E159 Fresh air and air recirculation flap switch
- G92 Potentiometer for temperature flap control motor
- G143 Potentiometer for air recirculation flap control motor
- G263 Evaporator output temperature sender
- J301 Air conditioning system control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- T6e 6-pin connector
- T6f 6-pin connector, blue
- T16c 16-pin connector
- V68 Temperature flap control motor
- V113 Air recirculation flap control motor

- L2 Connection in air conditioning system wiring harness
- L10 Connection 2, in air conditioning system wiring harness

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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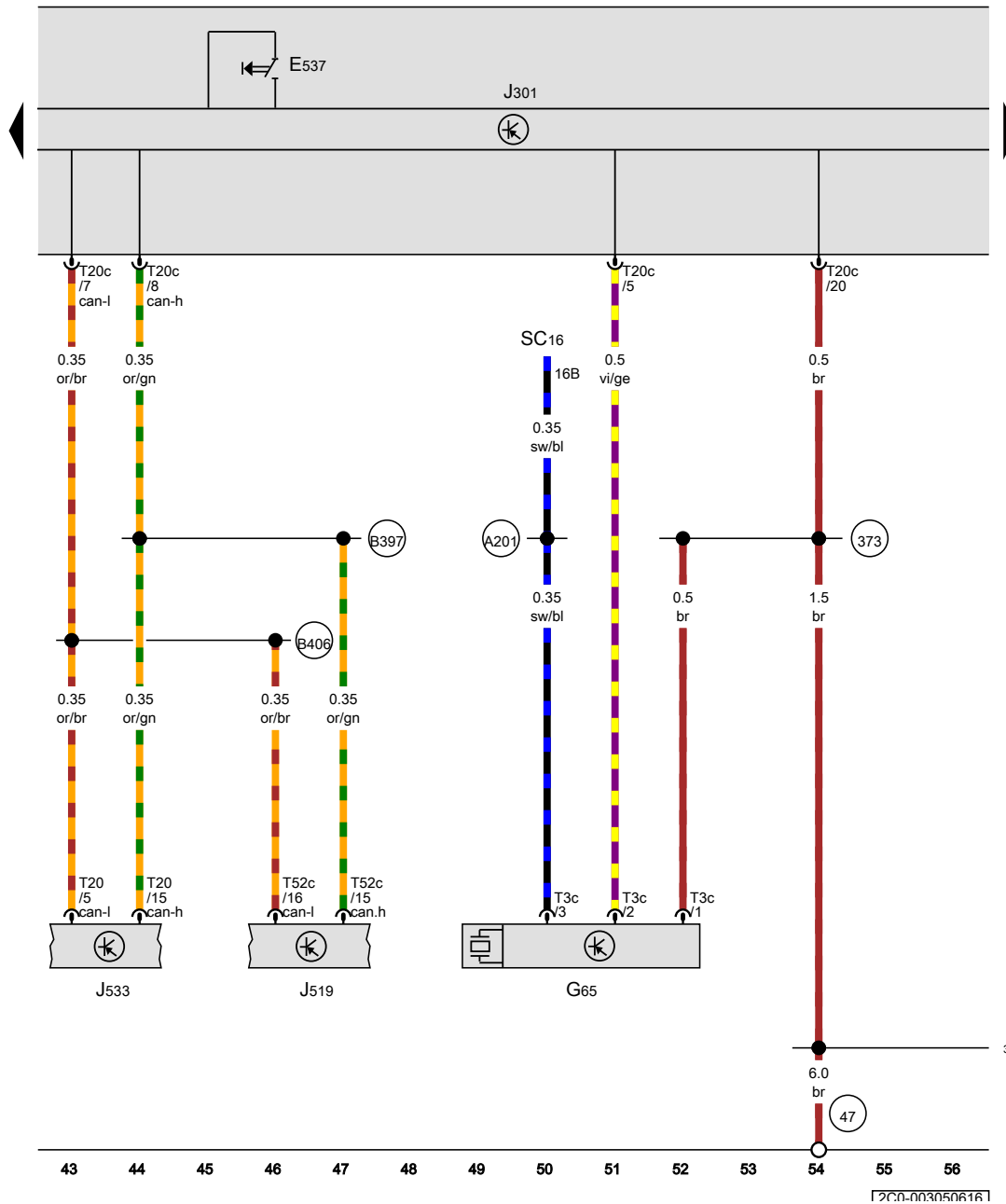
Potentiometer for air distribution flap control motor, Air conditioning system control unit, Air distribution flap control motor

- E94 Heated driver seat regulator
- E95 Heated front passenger seat regulator
- G645 Potentiometer for air distribution flap control motor
- J301 Air conditioning system control unit
- J774 Heated front seats control unit
- T6aj 6-pin connector
- T6c 6-pin connector, under seat on front left
- T16c 16-pin connector
- T20c 20-pin connector, black
- V428 Air distribution flap control motor

- B431 Connection (seat heating), in main wiring harness
- L2 Connection in air conditioning system wiring harness
- L10 Connection 2, in air conditioning system wiring harness
- M45 Connection 5, in driver seat wiring harness
- * Only models with seat heating

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- gr = grey
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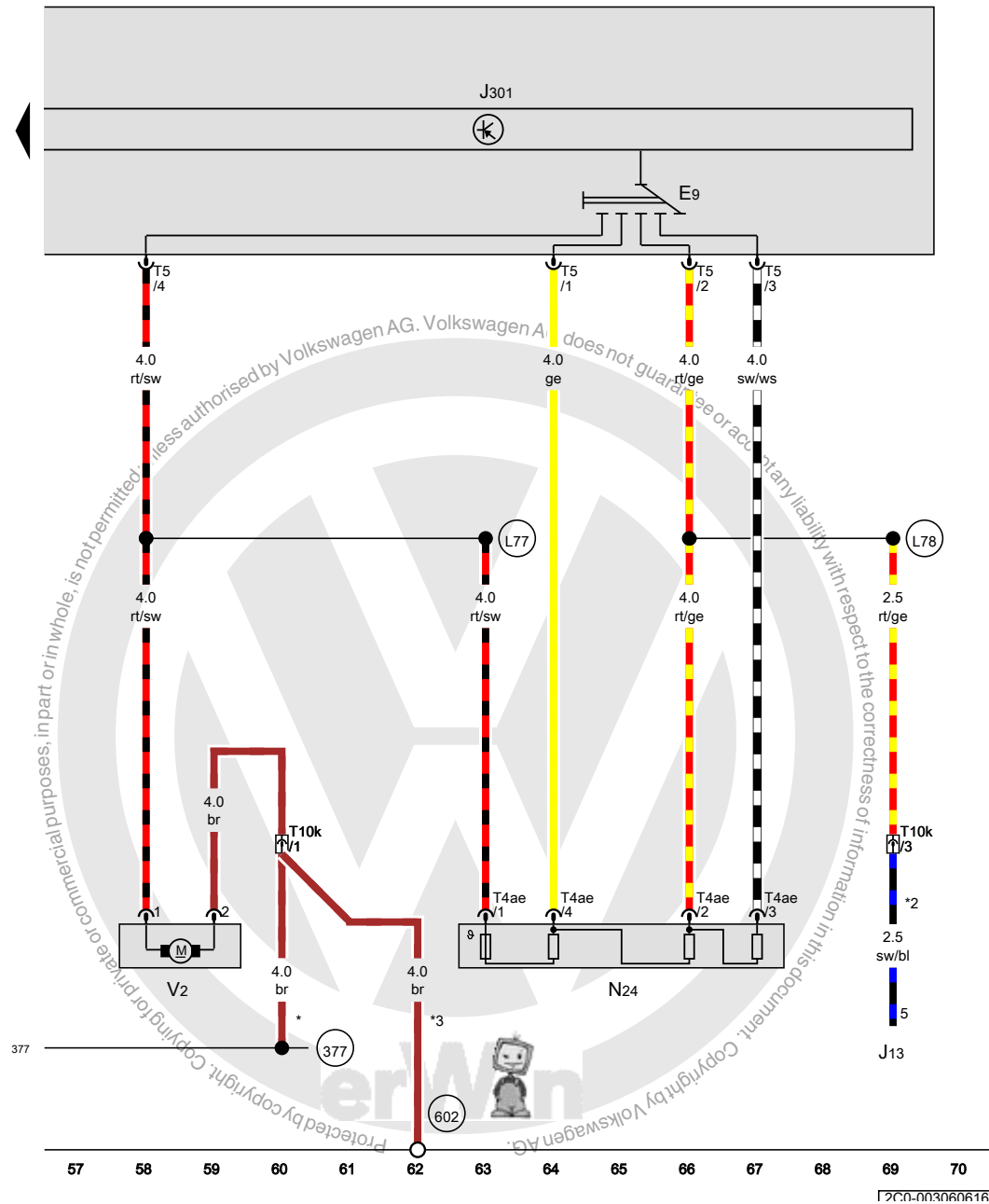
High-pressure sender, Air conditioning system control unit,
Onboard supply control unit, Data bus diagnostic interface



- E537 Instant heating button
- G65 High-pressure sender
- J301 Air conditioning system control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC16 Fuse 16 on fuse holder C
- T3c 3-pin connector
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T52c 52-pin connector, brown

- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

Fresh air blower switch, Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower



- E9 Fresh air blower switch
- J13 Fresh air blower relay
- J301 Air conditioning system control unit
- N24 Fresh air blower series resistor with overheating fuse
- T4ae 4-pin connector
- T5 5-pin connector
- T10k 10-pin connector
- V2 Fresh air blower

- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- L77 Connection, in fresh air blower wiring harness
- L78 Connection 1, in fresh air blower wiring harness

- * Only left-hand drive models
- *2 Only models with auxiliary coolant heater
- *3 Only right-hand drive models

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- br = brown
- gn = green
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- vi = purple
- ge = yellow
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- rs = pink

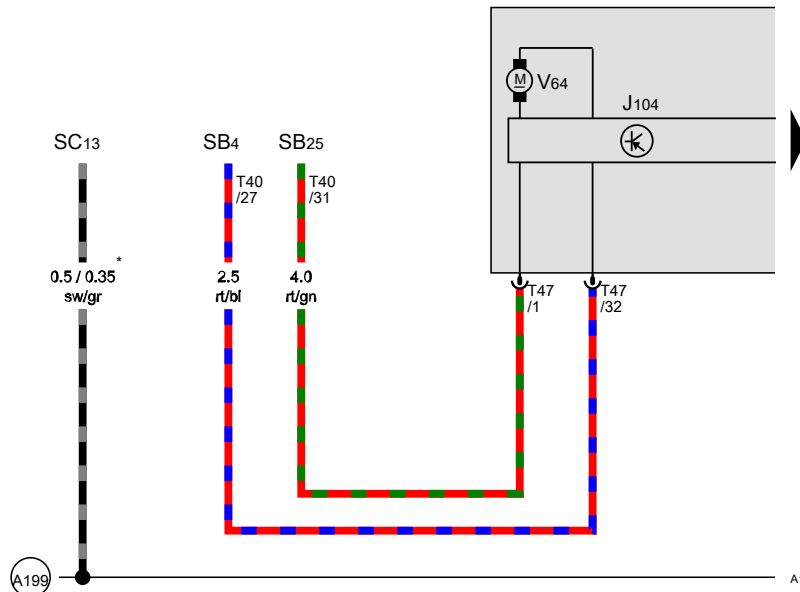
Anti-lock brake system (ABS) with electronic stabilisation program (ESP)

From August 2010

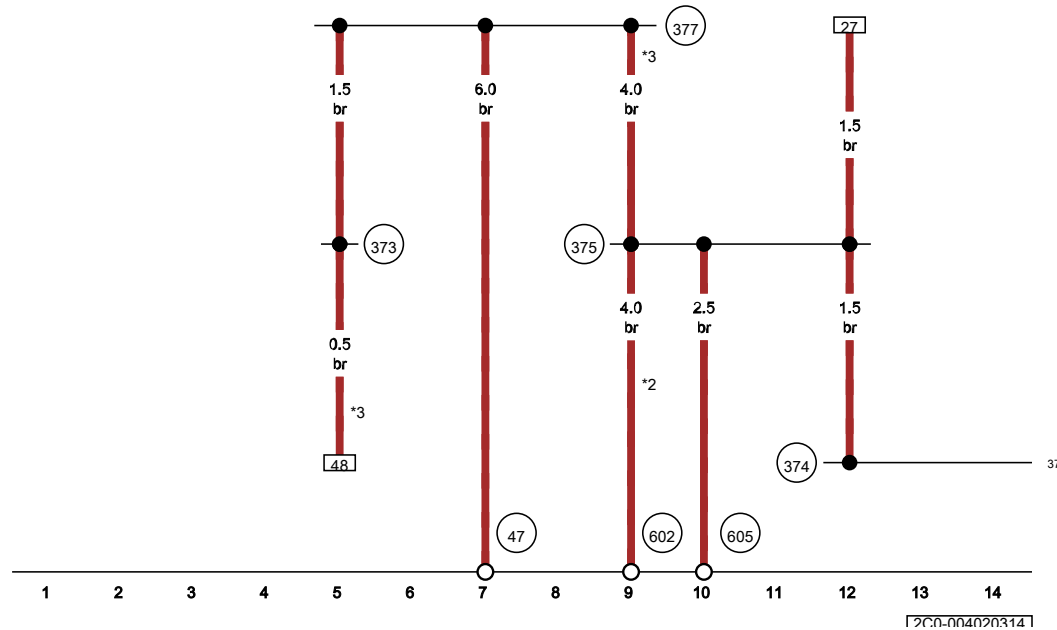


ABS control unit, ABS hydraulic pump

- J104 ABS control unit, on right in engine compartment
- SB4 Fuse 4 on fuse holder B
- SC13 Fuse 13 on fuse holder C
- SB25 Fuse 25 on fuse holder B
- T40 40-pin connector
- T47 47-pin connector
- V64 ABS hydraulic pump

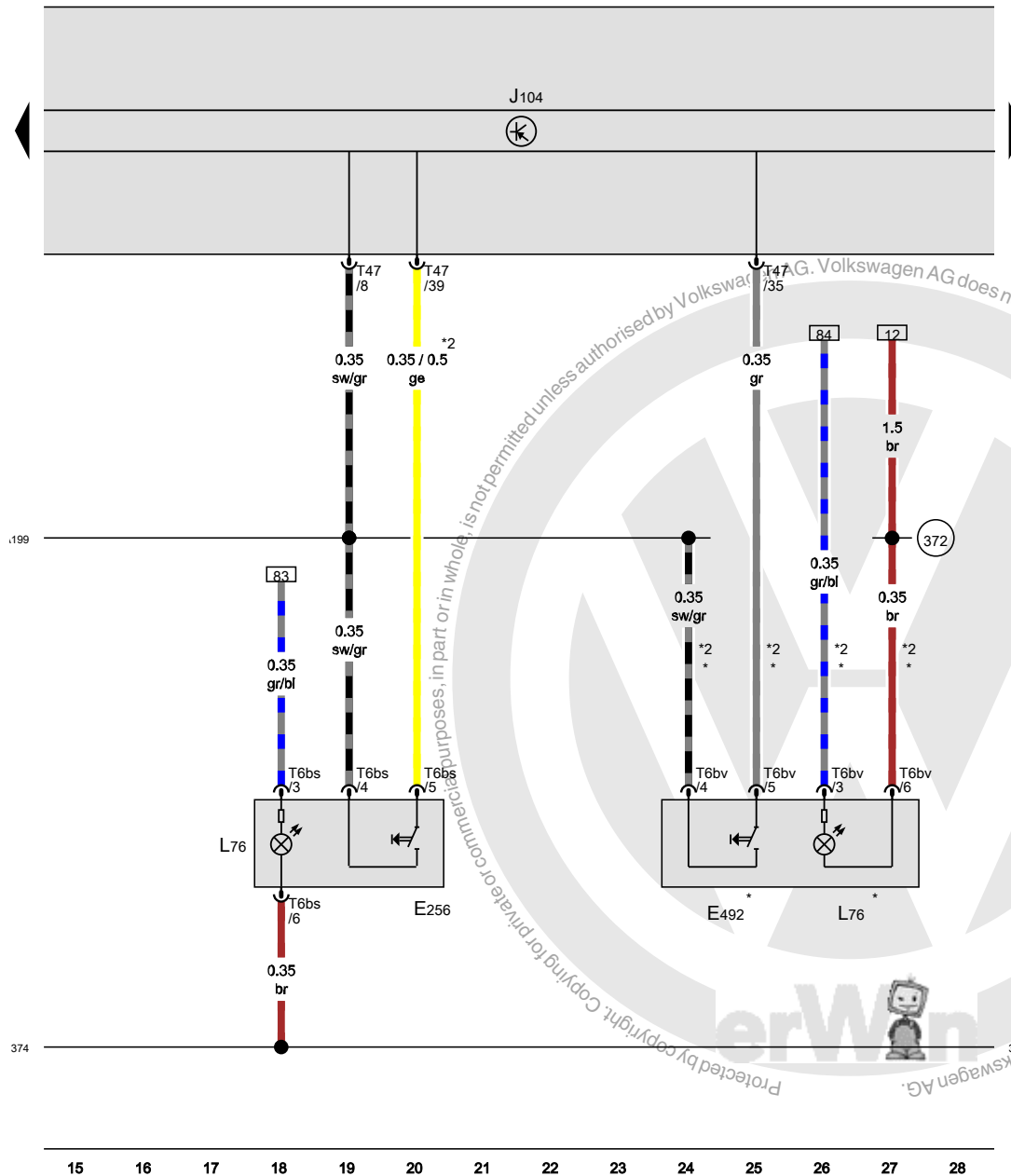


- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- A199 Positive connection 4 (15a) in dash panel wiring harness
- * From November 2011
- *2 Only left-hand drive models
- *3 Only right-hand drive models



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TCS and ESP button, Tyre Pressure Loss Indicator button, ABS control unit

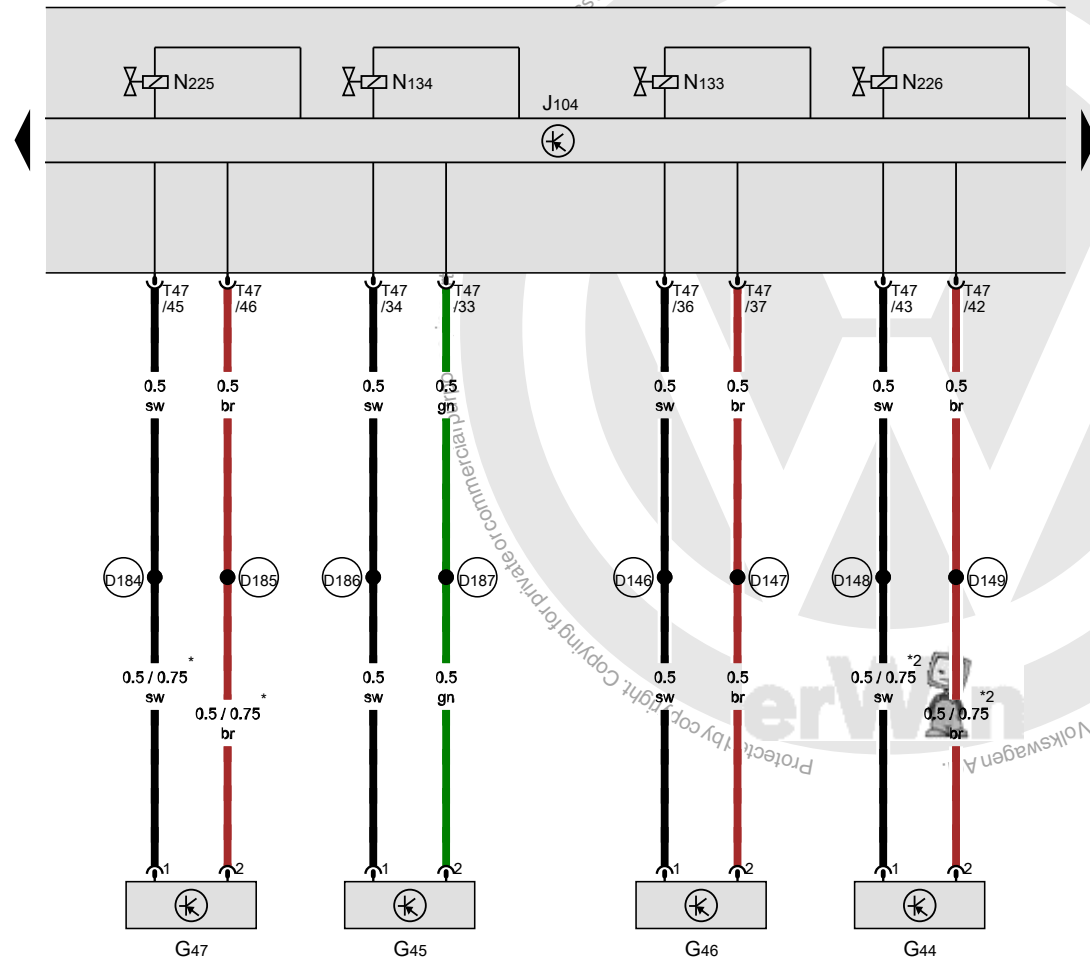


- E256 TCS and ESP button
- E492 Tyre Pressure Loss Indicator button
- J104 ABS control unit, on right in engine compartment
- L76 Button illumination bulb
- T6bs 6-pin connector, white
- T6bv 6-pin connector
- T47 47-pin connector

- 372 Earth connection 7, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness

- * According to equipment
- *2 From November 2013

- ws = white
- sw = black
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
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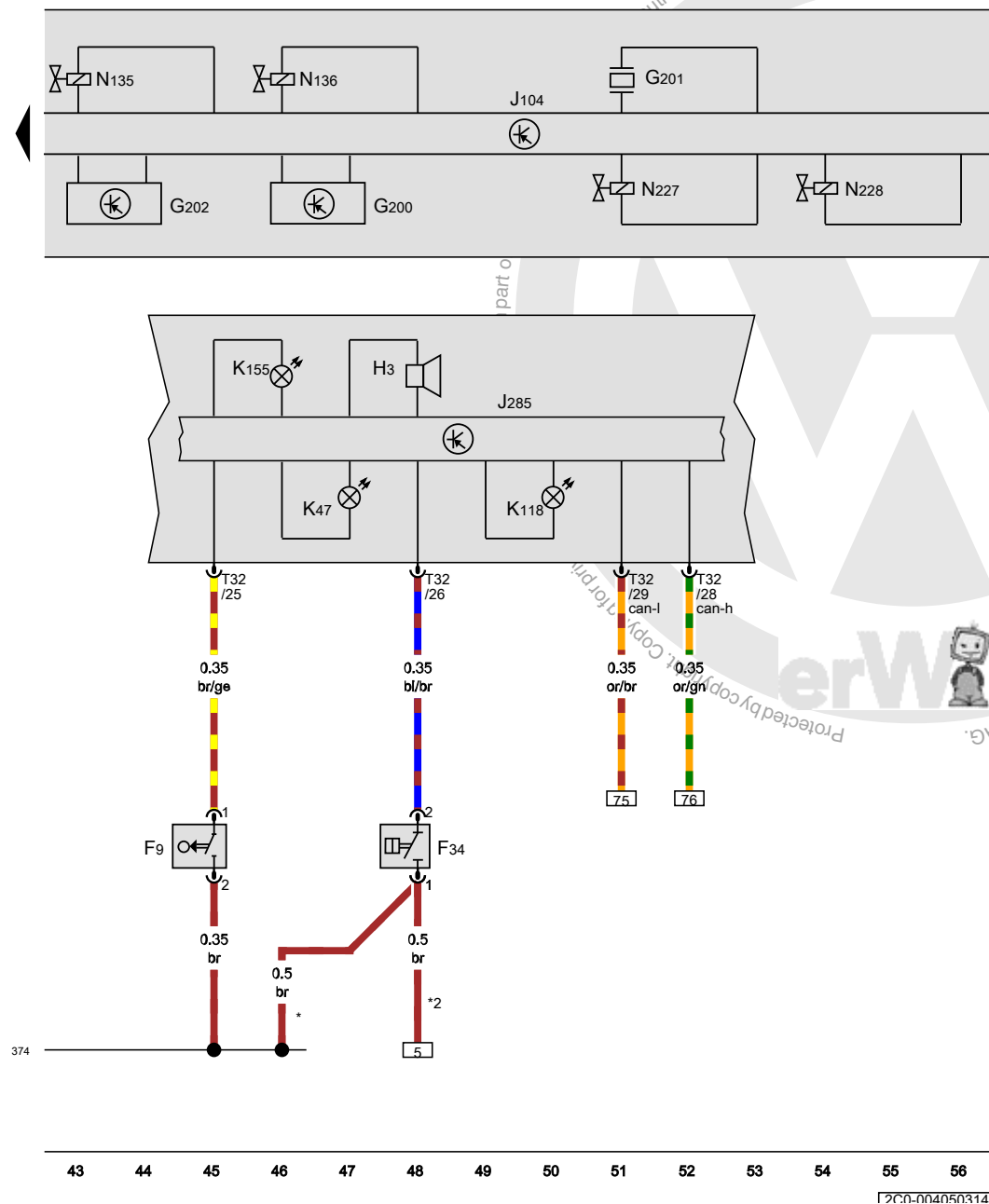
Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit, on right in engine compartment
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N225 Vehicle stabilization program switch valve 1
- N226 Vehicle stabilization program switch valve 2
- T47 47-pin connector

- 374 Earth connection 9, in main wiring harness
- D146 Connection (rear left speed sensor +), in engine compartment wiring harness
- D147 Connection (rear left speed sensor -), in engine compartment wiring harness
- D148 Connection (rear right speed sensor +), in engine compartment wiring harness
- D149 Connection (rear right speed sensor -), in engine compartment wiring harness
- D184 Connection (front left speed sensor +), in engine compartment wiring harness
- D185 Connection (front left speed sensor -), in engine compartment wiring harness
- D186 Connection (front right speed sensor +), in engine compartment wiring harness
- D187 Connection (front right speed sensor -), in engine compartment wiring harness

- * From November 2012
- *2 Only models with all-wheel drive

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- sw = black
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Handbrake warning switch, Brake fluid level warning contact, ABS control unit, Control unit in dash panel insert, ABS warning lamp, Brake system warning lamp, ESP and TCS warning lamp

- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- G200 Lateral acceleration sender
- G201 Brake pressure sender 1
- G202 Yaw rate sender
- H3 Buzzer and gong
- J104 ABS control unit, on right in engine compartment
- J285 Control unit in dash panel insert
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K155 ESP and TCS warning lamp
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- N227 Vehicle stabilization program high-pressure valve 1
- N228 Vehicle stabilization program high-pressure valve 2
- T32 32-pin connector, blue

374 Earth connection 9, in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

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ABS control unit, ABS hydraulic unit

- G251 Longitudinal acceleration sender
- J104 ABS control unit, on right in engine compartment
- N55 ABS hydraulic unit
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- T47 47-pin connector

13 Earth point, on right in engine compartment

624 Earth point, starter battery

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

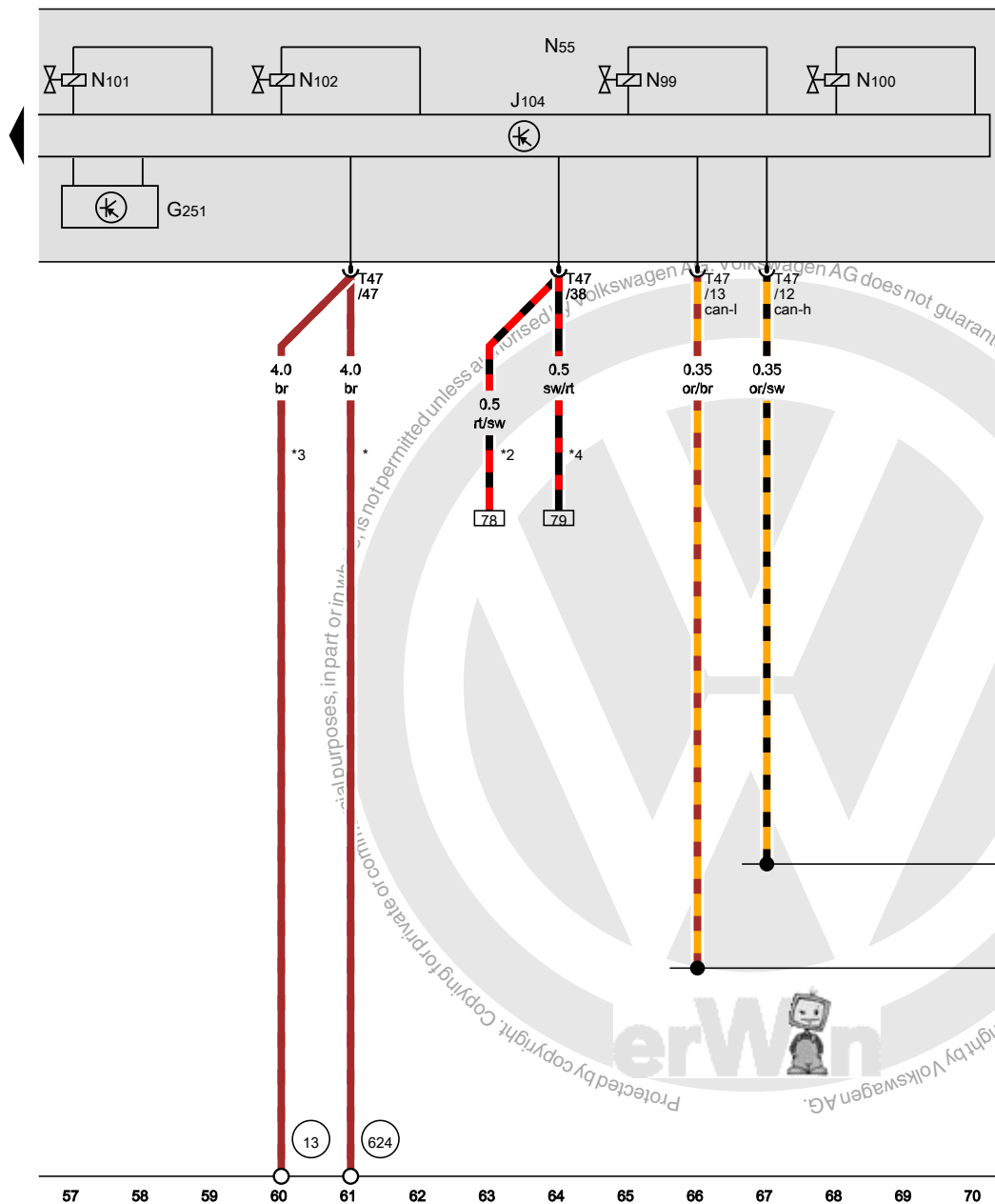
* Only right-hand drive models

*2 Up to April 2011

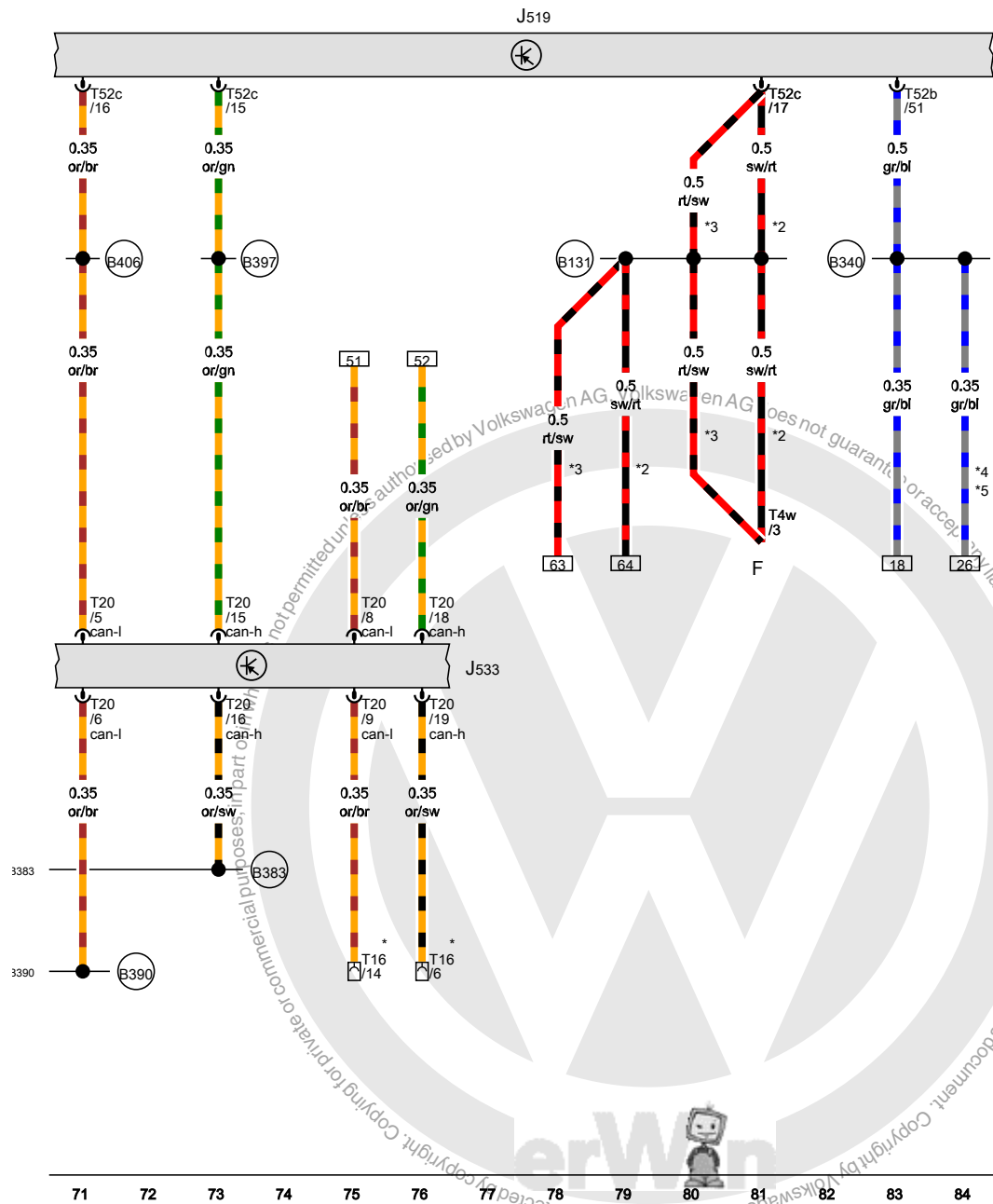
*3 Only left-hand drive models

*4 From May 2011

ws = white
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Data bus diagnostic interface

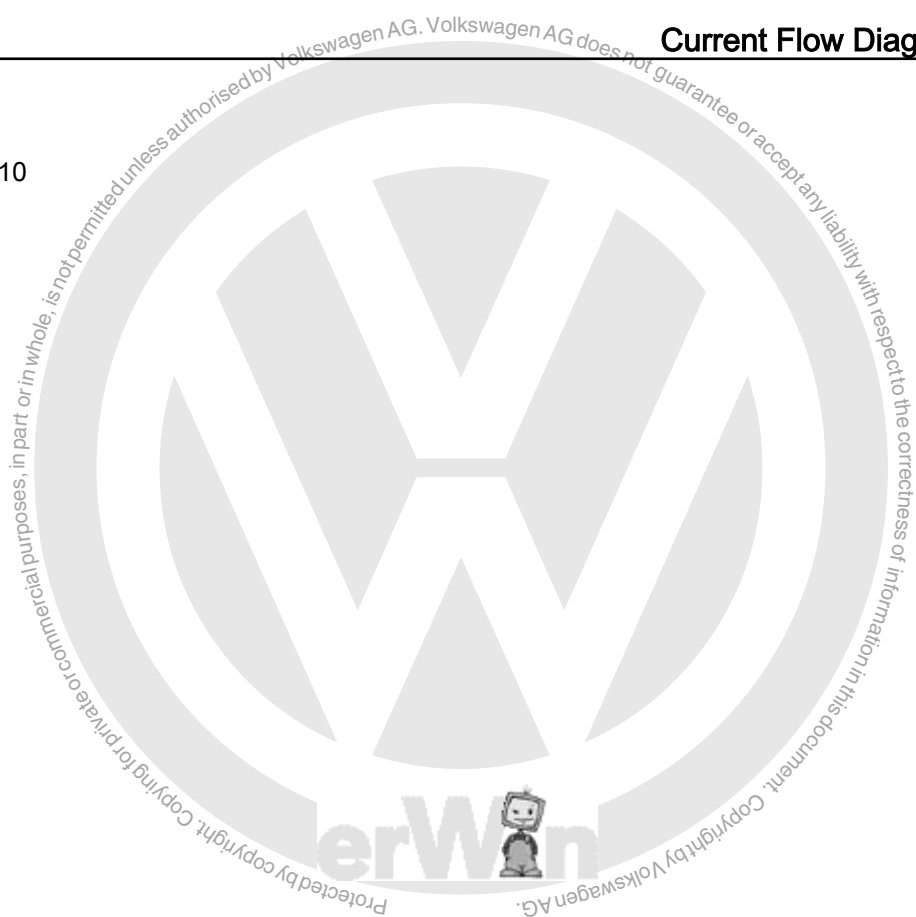
- F Brake light switch
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T4w 4-pin connector, black
- T16 16-pin connector
- T20 20-pin connector, red
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

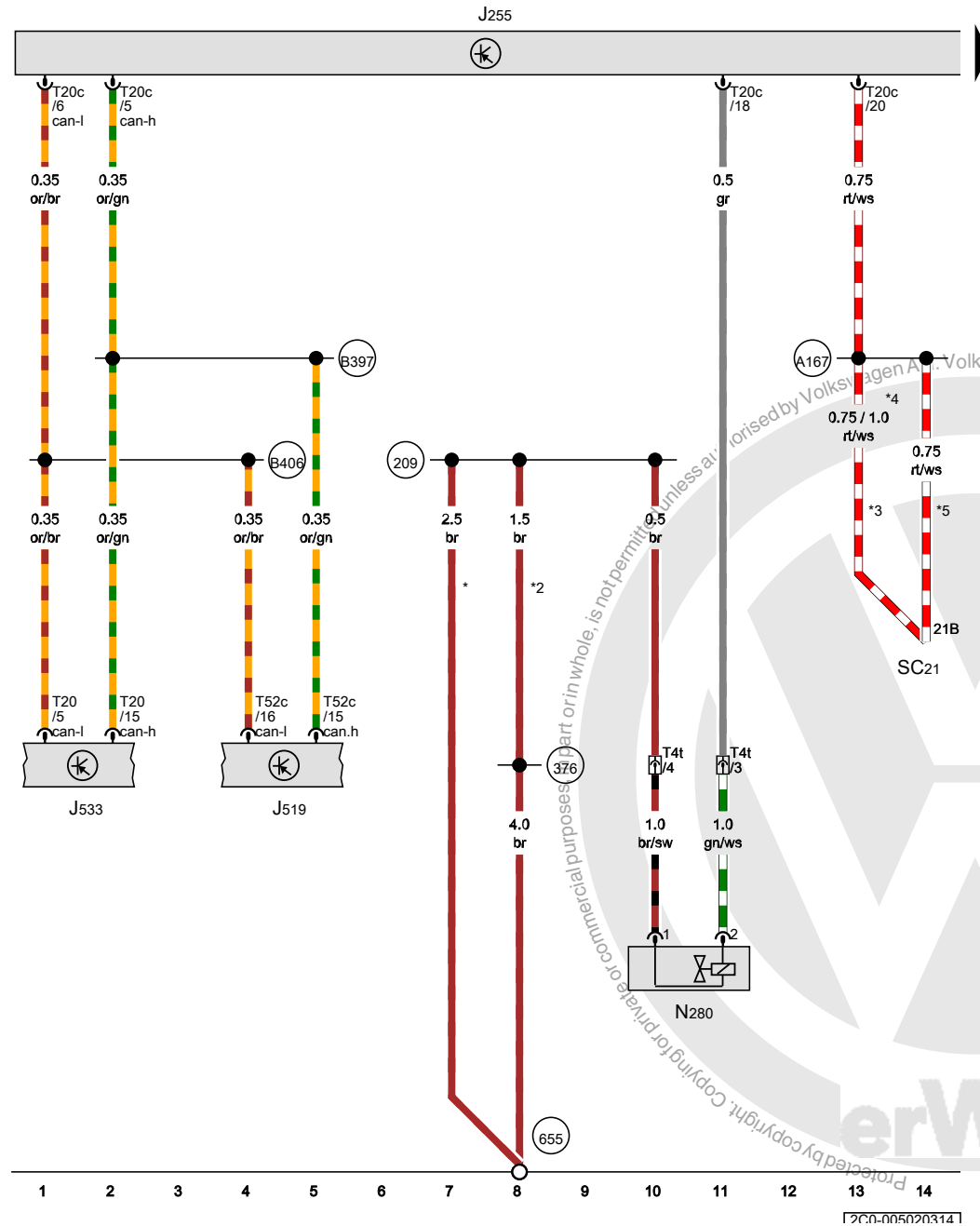
- B131 Connection (54), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 From May 2011
- *3 Up to April 2011
- *4 From November 2013
- *5 According to equipment

- ws = white
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- rs = pink

Climatronic

From August 2010

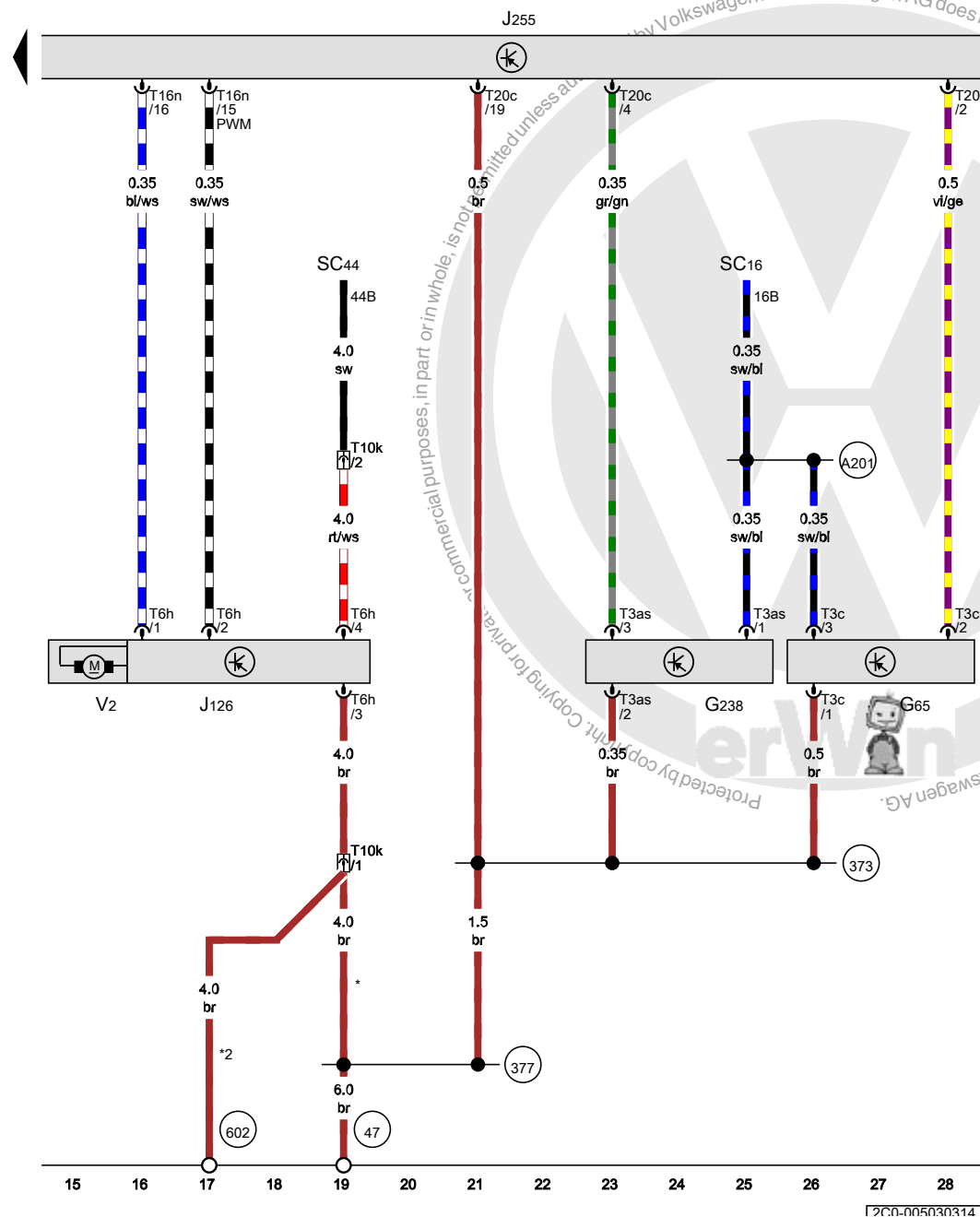




Climatronic control unit, Onboard supply control unit, Data bus diagnostic interface, Air conditioner compressor regulating valve

- | | |
|------|--|
| J255 | Climatronic control unit |
| J519 | Onboard supply control unit |
| J533 | Data bus diagnostic interface |
| N280 | Air conditioner compressor regulating valve |
| SC21 | Fuse 21 on fuse holder C |
| T4t | 4-pin connector, front left in engine compartment, black |
| T20 | 20-pin connector, red |
| T20c | 20-pin connector, black |
| T52c | 52-pin connector, brown |
| 209 | Earth connection 6, in engine compartment wiring harness |
| 376 | Earth connection 11, in main wiring harness |
| 655 | Earth point, on left headlight |
| A167 | Positive connection 3 (30a) in dash panel wiring harness |
| B397 | Connection 1 (convenience CAN bus, high), in main wiring harness |
| B406 | Connection 1 (convenience CAN bus, low), in main wiring harness |
| * | From May 2012 |
| *2 | Up to April 2012 |
| *3 | Only left-hand drive models |
| *4 | From May 2011 |
| *5 | Only right-hand drive models |

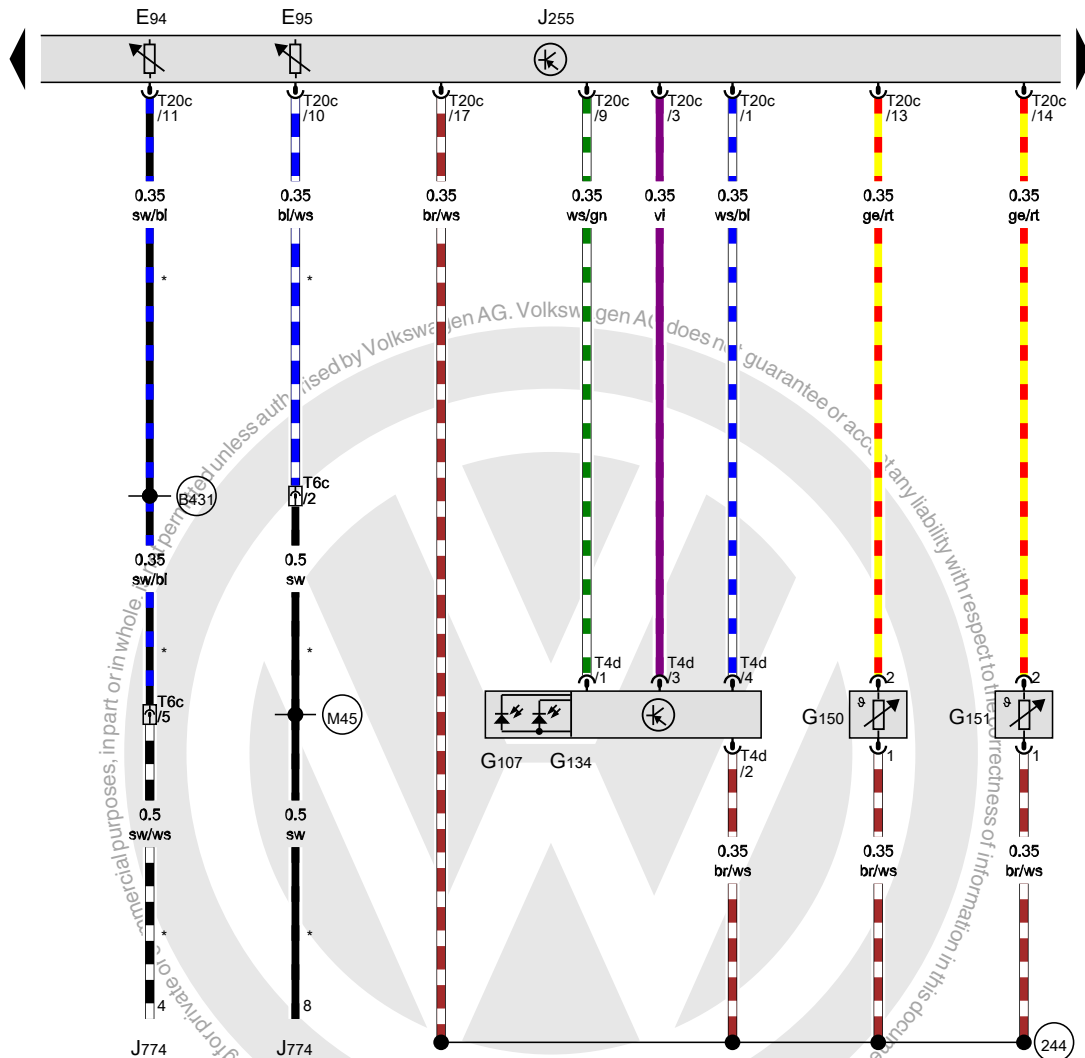
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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink



High-pressure sender, Air quality sensor, Fresh air blower control unit, Climatronic control unit, Fuse 16 on fuse holder C, Fuse 44 on fuse holder C, Fresh air blower

- G65 High-pressure sender
- G238 Air quality sensor
- J126 Fresh air blower control unit
- J255 Climatronic control unit
- SC16 Fuse 16 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- T3as 3-pin connector, grey
- T3c 3-pin connector
- T6h 6-pin connector, brown
- T10k 10-pin connector, black
- T16n 16-pin connector
- T20c 20-pin connector, black
- V2 Fresh air blower
- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- A201 Positive connection 6 (15a) in dash panel wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models

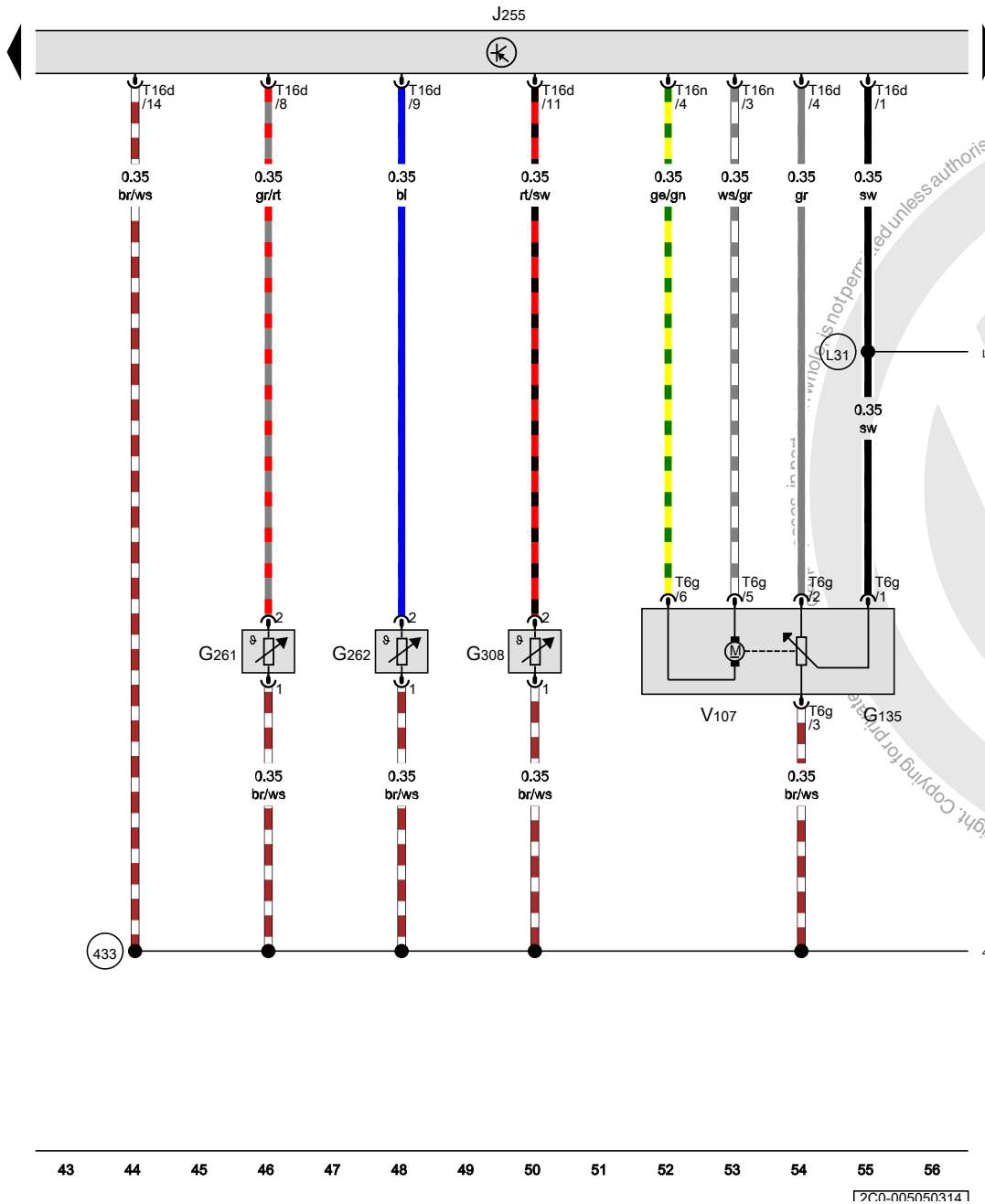
ws = white
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Sunlight penetration photosensor, Sunlight penetration photosensor 2, Left vent temperature sender, Right vent temperature sender, Climatronic control unit

- E94 Heated driver seat regulator
 - E95 Heated front passenger seat regulator
 - G107 Sunlight penetration photosensor
 - G134 Sunlight penetration photosensor 2
 - G150 Left vent temperature sender
 - G151 Right vent temperature sender
 - J255 Climatronic control unit
 - J774 Heated front seats control unit
 - T4d 4-pin connector
 - T6c 6-pin connector, under seat on front left, green
 - T20c 20-pin connector, black
 - 244** Earth connection (sender earth), in Climatronic wiring harness
 - B431** Connection (seat heating), in main wiring harness
 - M45** Connection 5, in driver seat wiring harness
- * Only models with seat heating

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

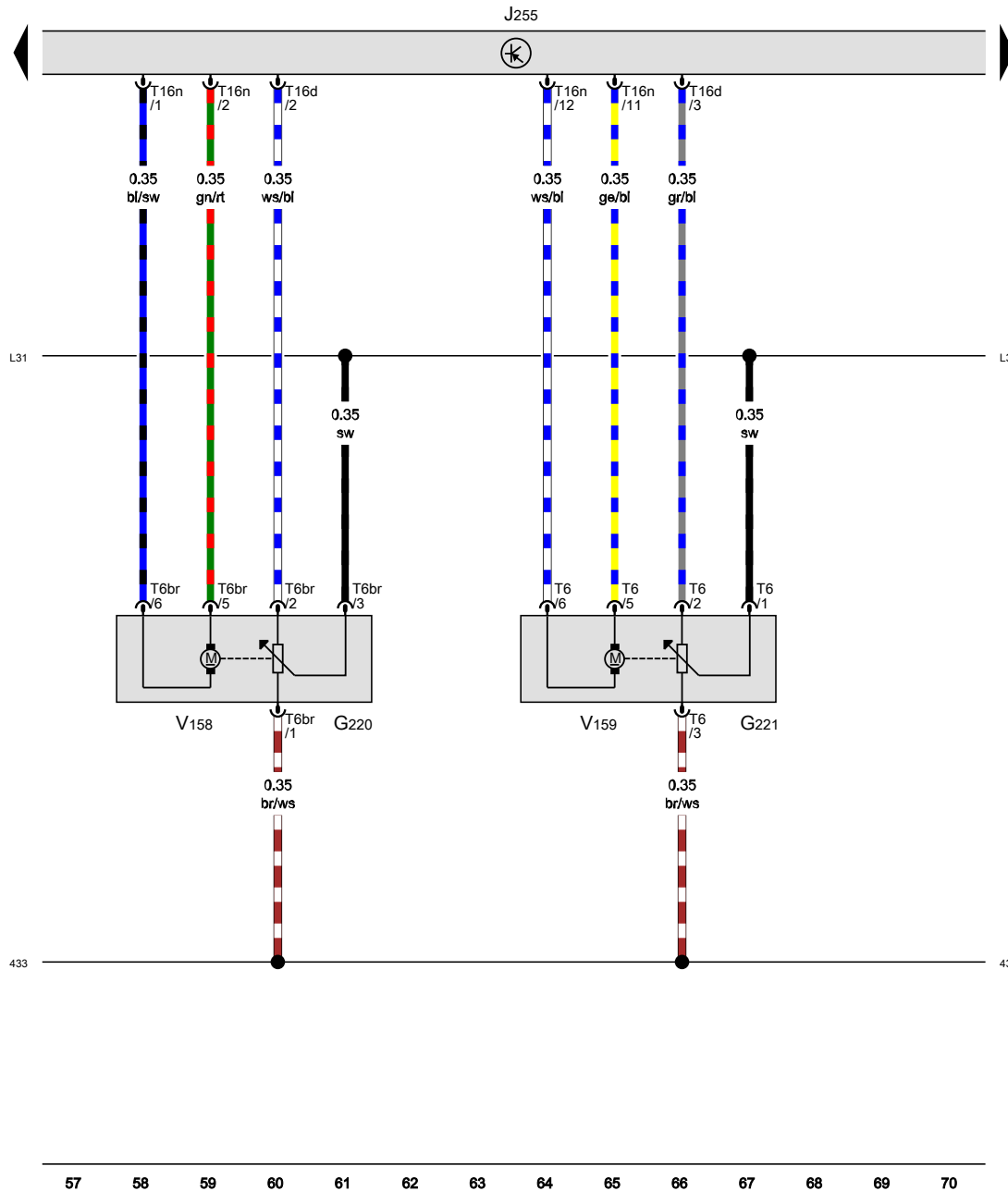


Potentiometer for defroster flap control motor, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Climatronic control unit, Defroster flap control motor

- G135 Potentiometer for defroster flap control motor
- G261 Left footwell vent temperature sender
- G262 Right footwell vent temperature sender
- G308 Evaporator temperature sensor
- J255 Climatronic control unit
- T6g 6-pin connector, blue
- T16d 16-pin connector
- T16n 16-pin connector
- V107 Defroster flap control motor

- 433 Earth connection 2 (sender earth), in Climatronic wiring harness
- L31 Connection (5V), in air conditioning system wiring harness

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

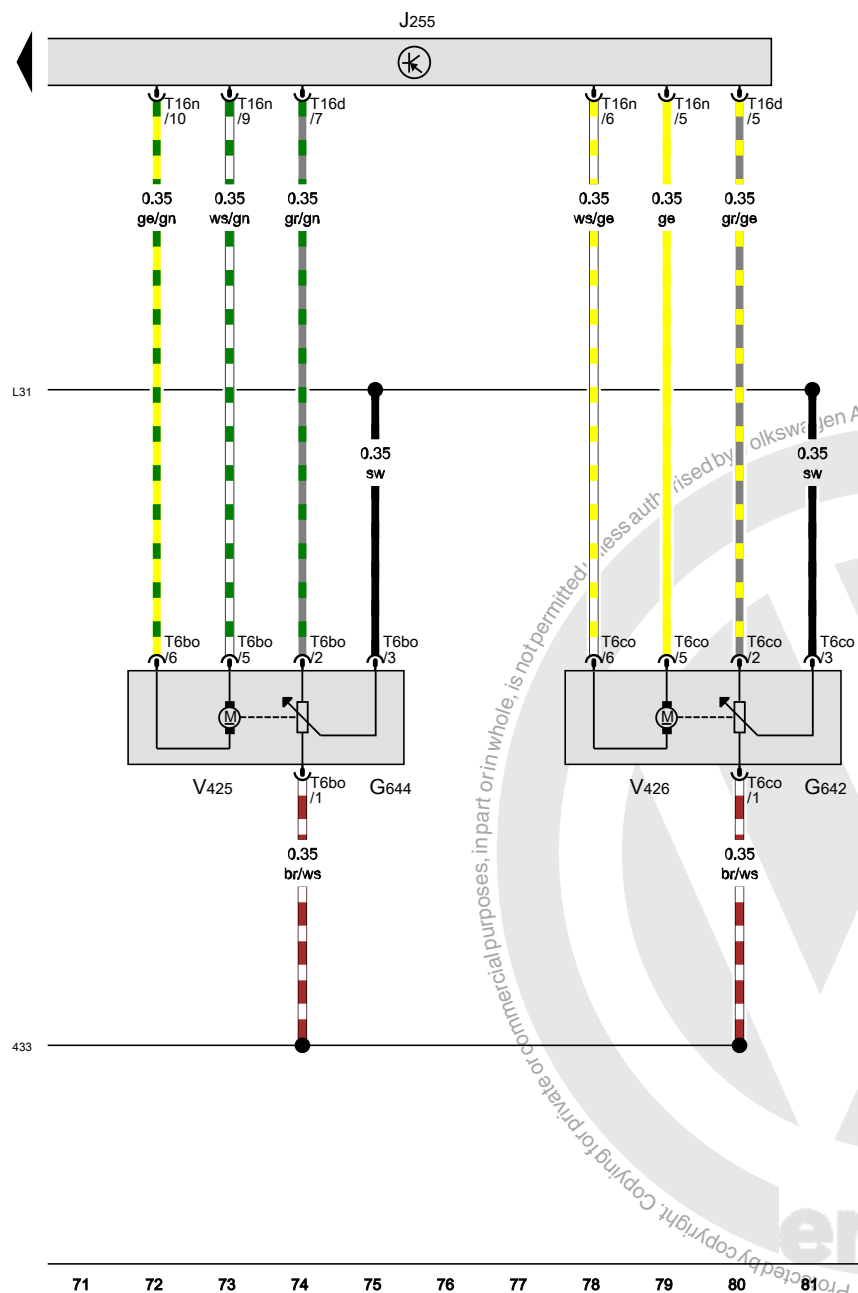


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 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
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Potentiometer for left temperature flap control motor,
 Potentiometer for right temperature flap control motor,
 Climatronic control unit, Left temperature flap control motor,
 Right temperature flap control motor

- G220 Potentiometer for left temperature flap control motor
- G221 Potentiometer for right temperature flap control motor
- J255 Climatronic control unit
- T6 6-pin connector, blue
- T6br 6-pin connector, blue
- T16d 16-pin connector
- T16n 16-pin connector
- V158 Left temperature flap control motor
- V159 Right temperature flap control motor

- 433 Earth connection 2 (sender earth), in Climatronic wiring harness
- L31 Connection (5V), in air conditioning system wiring harness



Potentiometer for front air distribution flap control motor, Potentiometer for fresh air/air recirculation, air flow flap control motor, Climatronic control unit, Fresh air/air recirculation, air flow flap control motor, Front air distribution flap control motor

- G642 Potentiometer for front air distribution flap control motor
- G644 Potentiometer for fresh air/air recirculation, air flow flap control motor
- J255 Climatronic control unit
- T6bo 6-pin connector, blue
- T6co 6-pin connector, blue
- T16d 16-pin connector
- T16n 16-pin connector
- V425 Fresh air/air recirculation, air flow flap control motor
- V426 Front air distribution flap control motor

- 433 Earth connection 2 (sender earth), in Climatronic wiring harness
- L31 Connection (5V), in air conditioning system wiring harness

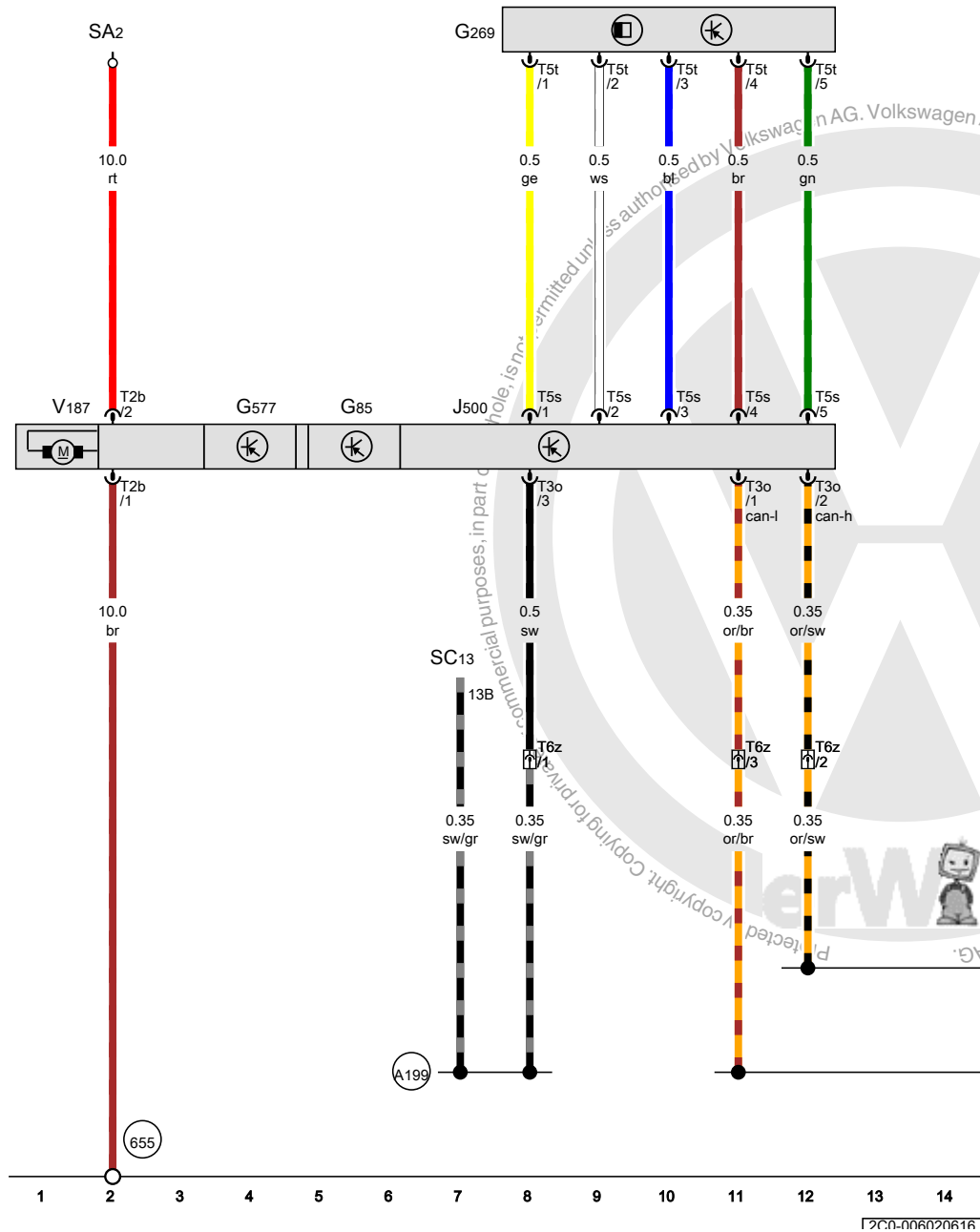
- ws = white
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- or = orange
- rs = pink

Electromechanical power steering

From August 2010

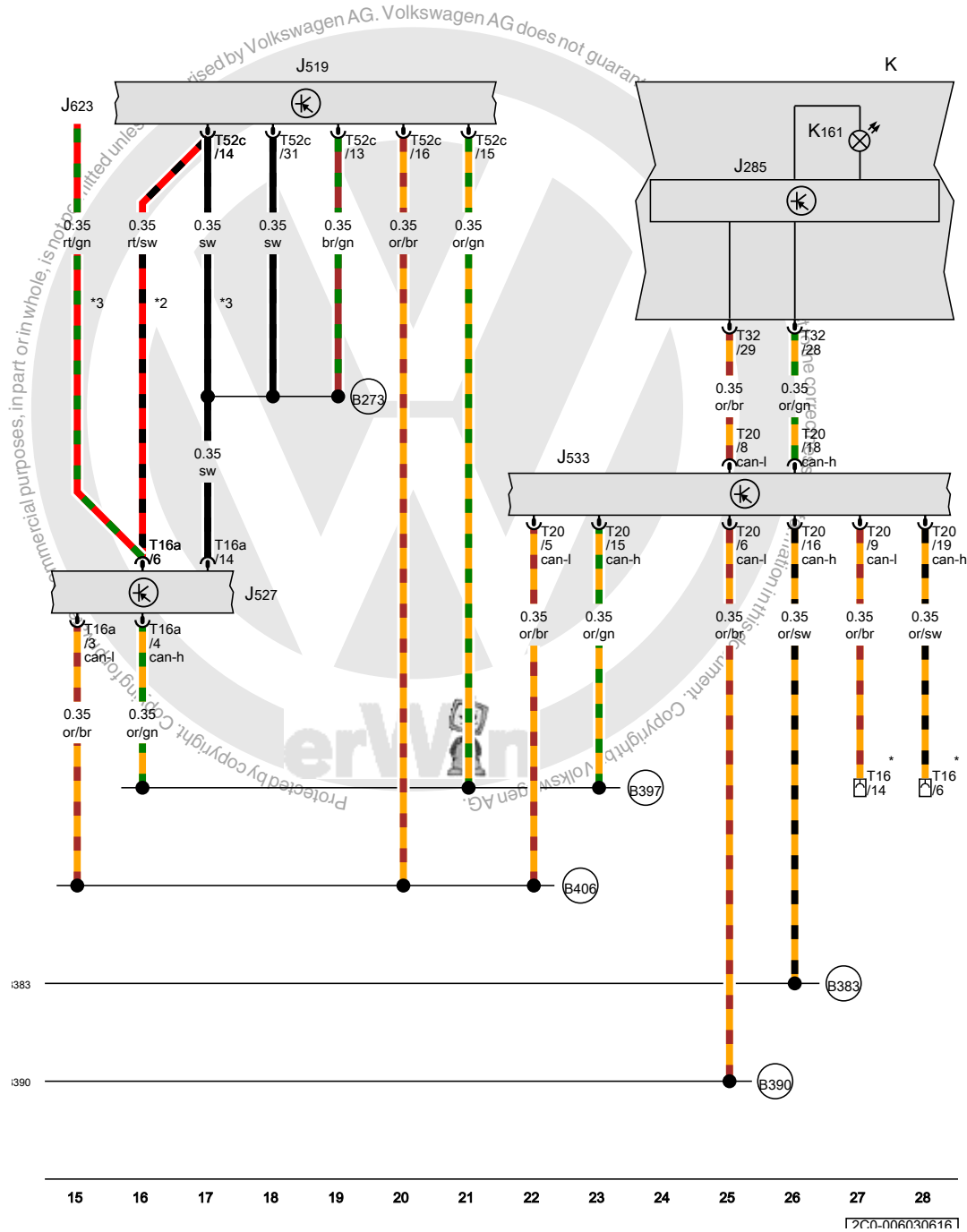


Steering angle sender, Steering motor speed sender, Power steering control unit, Fuse 2 in fuse holder A, Fuse 13 on fuse holder C, Electromechanical power steering motor



- G85 Steering angle sender
- G269 Steering moment sender
- G577 Steering motor speed sender
- J500 Power steering control unit, on front axle carrier
- SA2 Fuse 2 in fuse holder A
- SC13 Fuse 13 on fuse holder C
- T2b 2-pin connector, black
- T3o 3-pin connector, black
- T5s 5-pin connector, black
- T5t 5-pin connector
- T6z 6-pin connector, near left headlight, black
- V187 Electromechanical power steering motor
- 655 Earth point, on left headlight
- A199 Positive connection 4 (15a) 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

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- sw = black
- ro = red
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- rs = pink



Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Dash panel insert, Electromechanical power steering warning lamp

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K Dash panel insert
- K161 Electromechanical power steering warning lamp
- T16 16-pin connector
- T16a 16-pin connector, black
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- B273 Positive connection (15), 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only models with no start/stop system
- *3 Only models with start/stop system

- 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

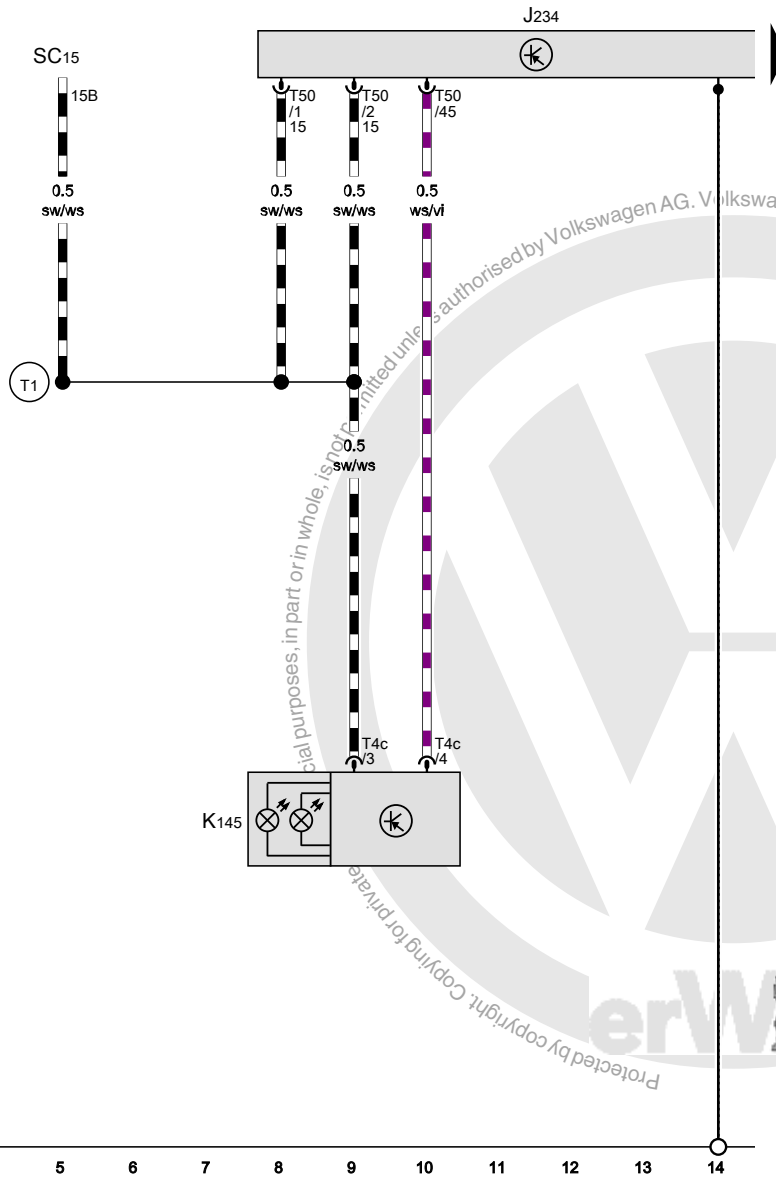
Airbag systems

From August 2010



Airbag control unit, Front passenger side airbag deactivated warning lamp

- J234 Airbag control unit, under centre console
- K145 Front passenger side airbag deactivated warning lamp, in centre of dash panel
- SC15 Fuse 15 on fuse holder C
- T4c 4-pin connector, black
- T50 50-pin connector
- T1 Positive connection 1, in airbag wiring harness



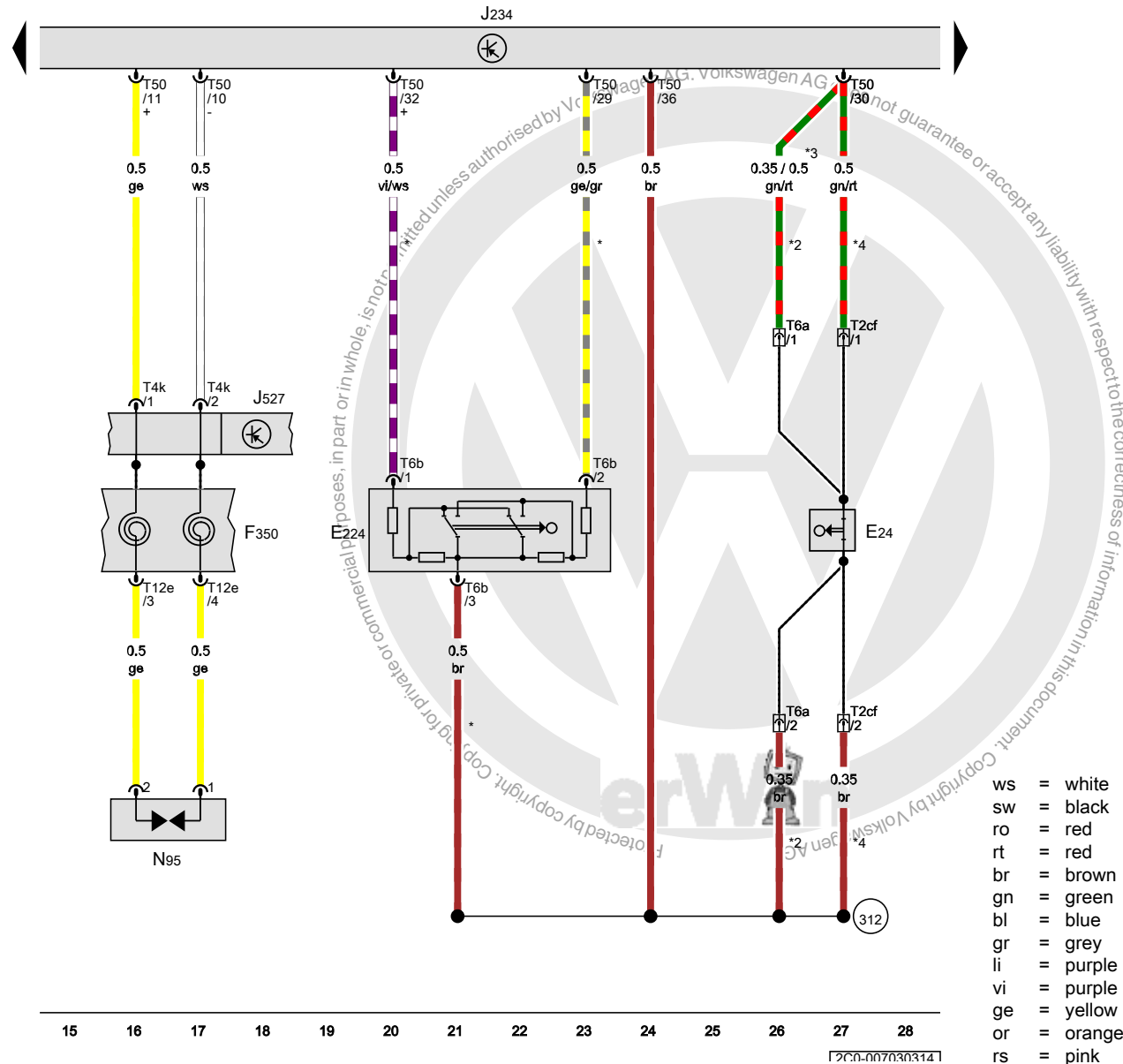
- ws = white
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- rs = pink

Driver side belt switch, Key operated switch to deactivate front passenger side airbag, Airbag control unit, Steering column electronics control unit, Driver side airbag igniter

- E24 Driver side belt switch
- E224 Key operated switch to deactivate front passenger side airbag
- F350 Coil connector
- J234 Airbag control unit, under centre console
- J527 Steering column electronics control unit
- N95 Driver side airbag igniter
- T2cf 2-pin connector, under driver seat, black
- T4k 4-pin connector, yellow
- T6a 6-pin connector, under driver seat, red
- T6b 6-pin connector, yellow
- T12e 12-pin connector, yellow
- T50 50-pin connector

312 Earth connection 2, in airbag wiring harness

- * Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor
- *2 Up to April 2014
- *3 From November 2011
- *4 From May 2014

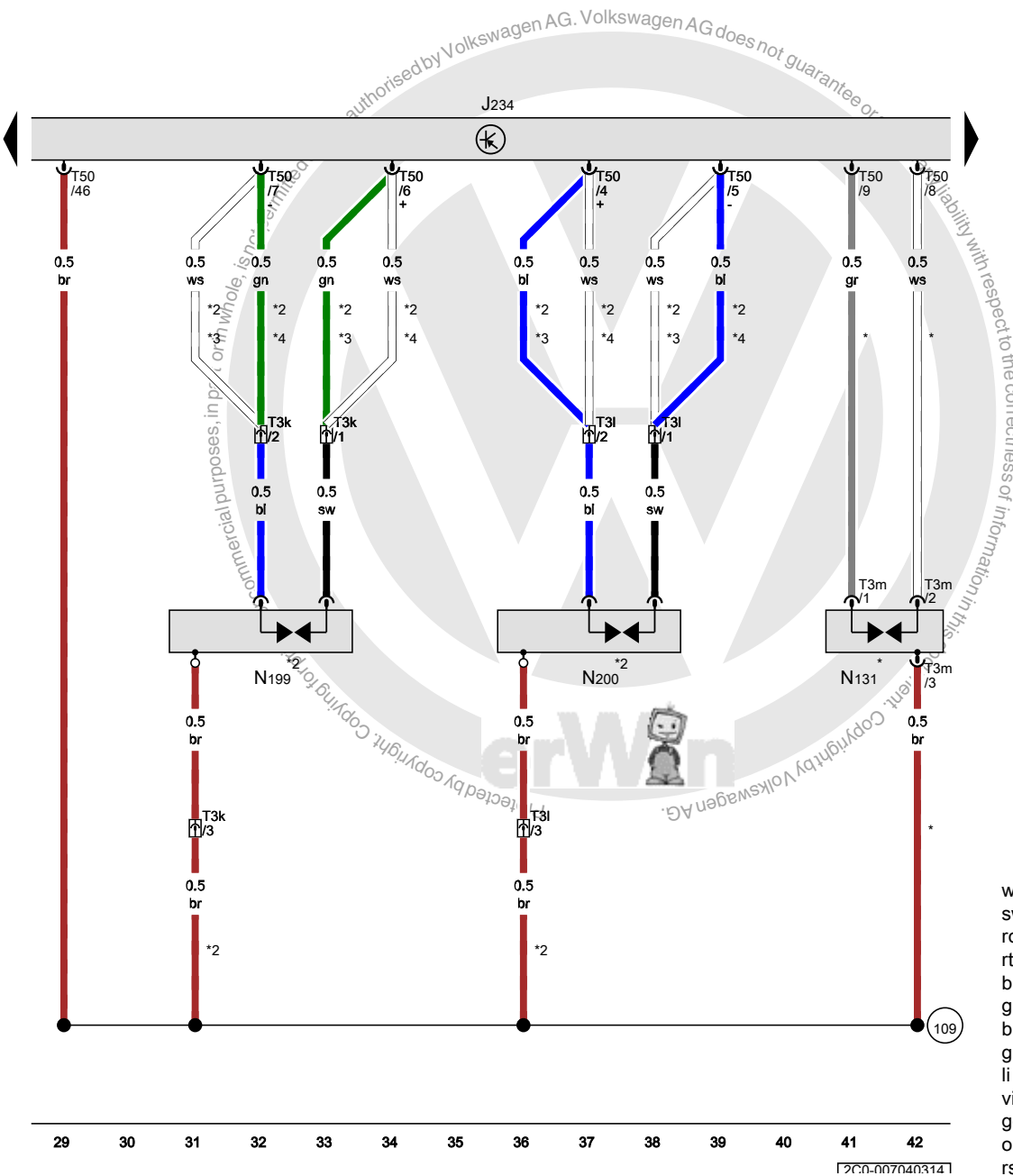


**Airbag control unit, Front passenger side airbag igniter 1,
Side airbag igniter on driver side, Side airbag igniter on front
passenger side**

- J234 Airbag control unit, under centre console
- N131 Front passenger side airbag igniter 1
- N199 Side airbag igniter on driver side
- N200 Side airbag igniter on front passenger side
- T3k 3-pin connector, under seat on front left
- T3l 3-pin connector, under seat on front right
- T3m 3-pin connector
- T50 50-pin connector

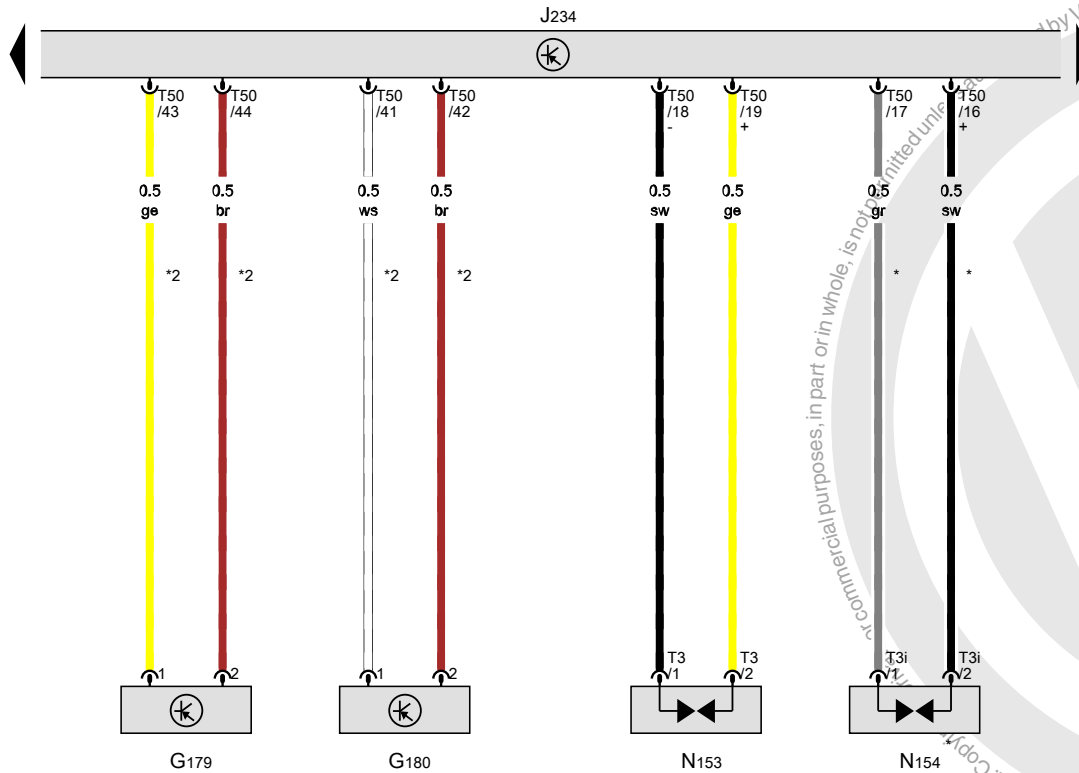
109 Earth connection, in airbag wiring harness

- * Only models with front passenger airbag
- *2 Only models with side airbags
- *3 Only left-hand drive models
- *4 Only right-hand drive models



- ws = white
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Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Airbag control unit, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1



- G179 Side airbag crash sensor on driver side
- G180 Side airbag crash sensor on front passenger side
- J234 Airbag control unit, under centre console
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- T3 3-pin connector
- T3i 3-pin connector
- T50 50-pin connector
- * Only models with passenger side belt tensioner
- *2 Only models with side airbags

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43 44 45 46 47 48 49 50 51 52 53 54 55 56

7200-007050314

Buzzer and gong, Airbag control unit, Control unit in dash panel insert, Data bus diagnostic interface, Seat belt warning system warning lamp, Airbag warning lamp

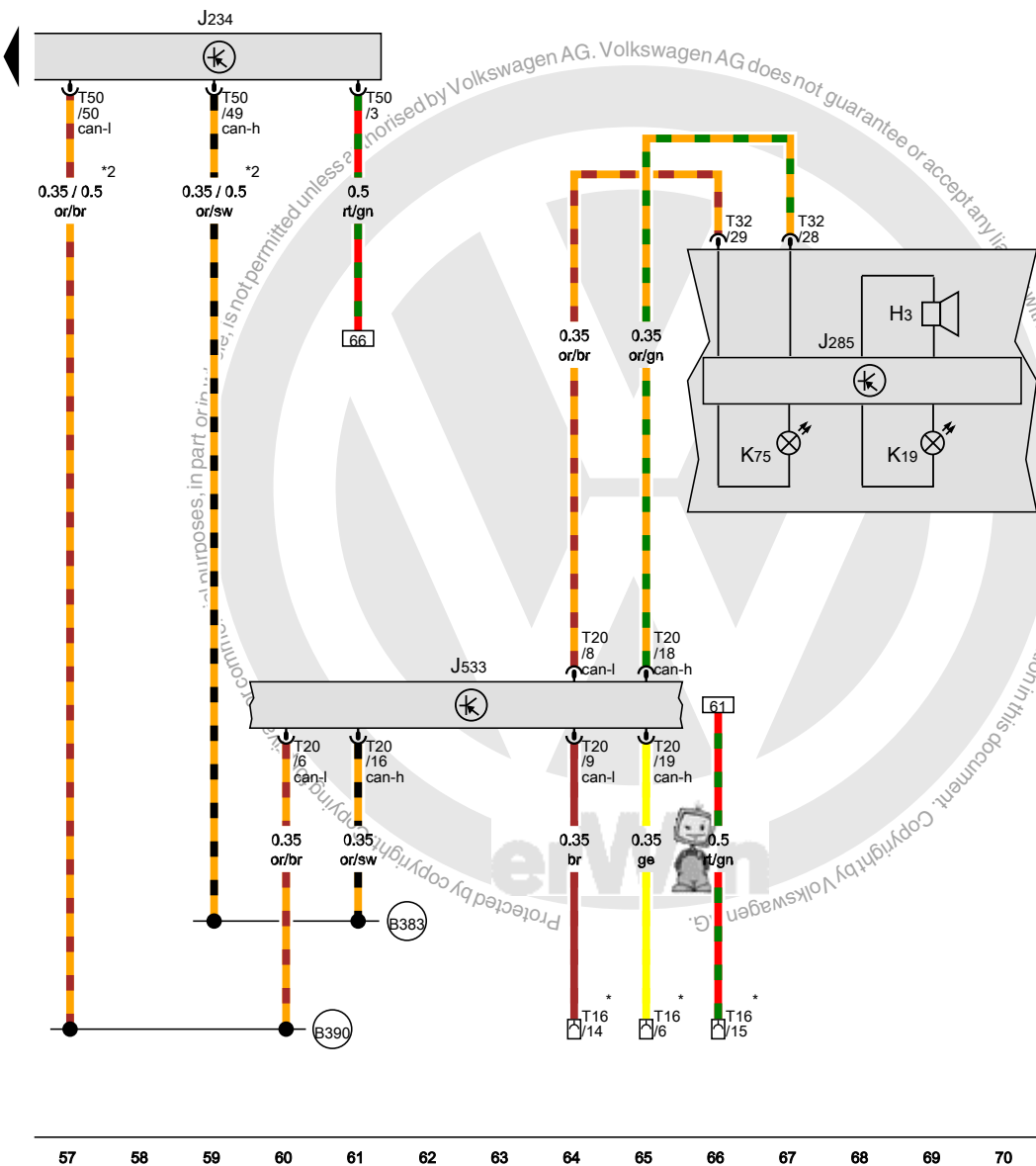
- H3 Buzzer and gong
- J234 Airbag control unit, under centre console
- J285 Control unit in dash panel insert
- J533 Data bus diagnostic interface
- K19 Seat belt warning system warning lamp
- K75 Airbag warning lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T50 50-pin connector

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Diagnostic connection

*2 From November 2011



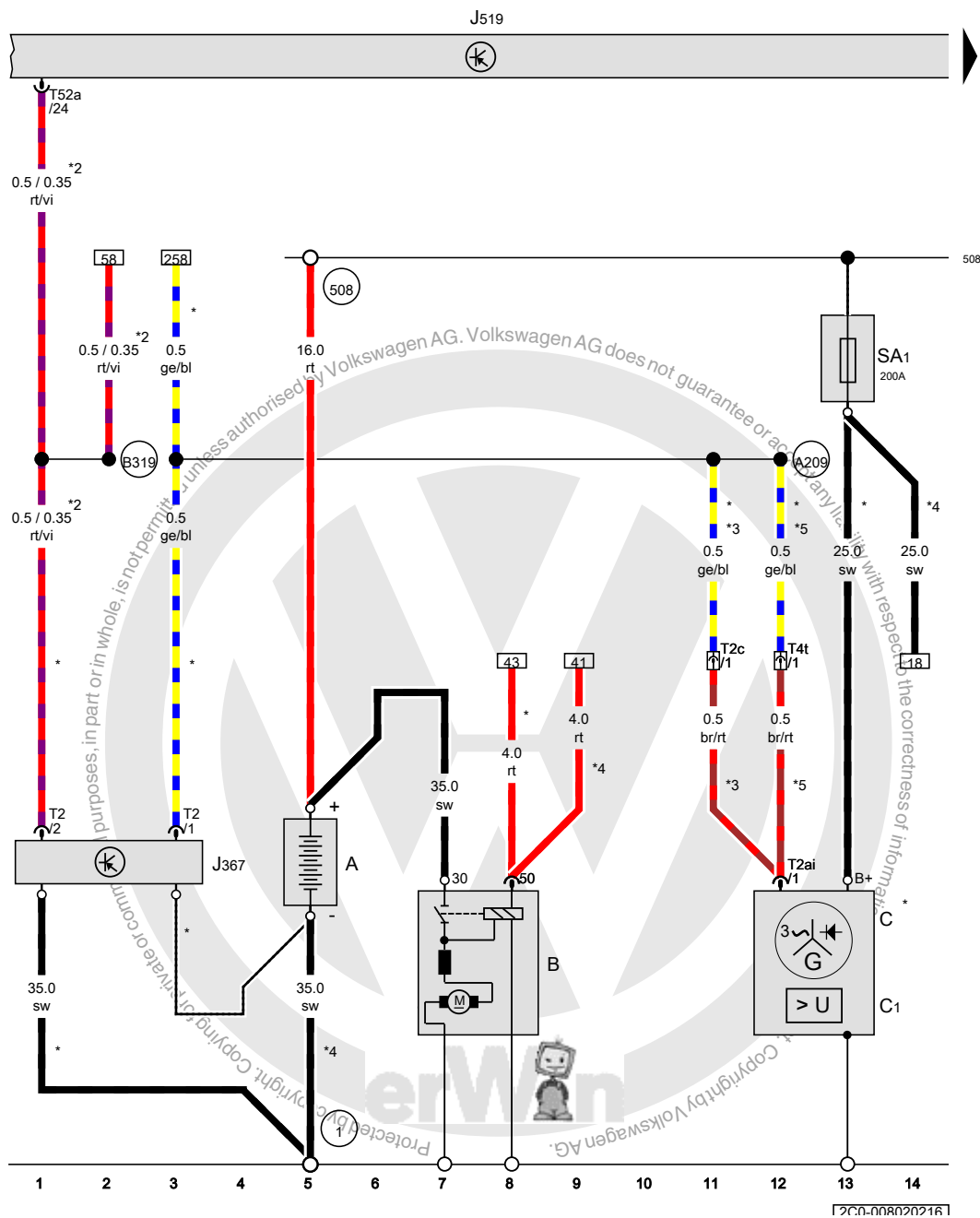
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1.6l diesel engine , CAYD,CAYE

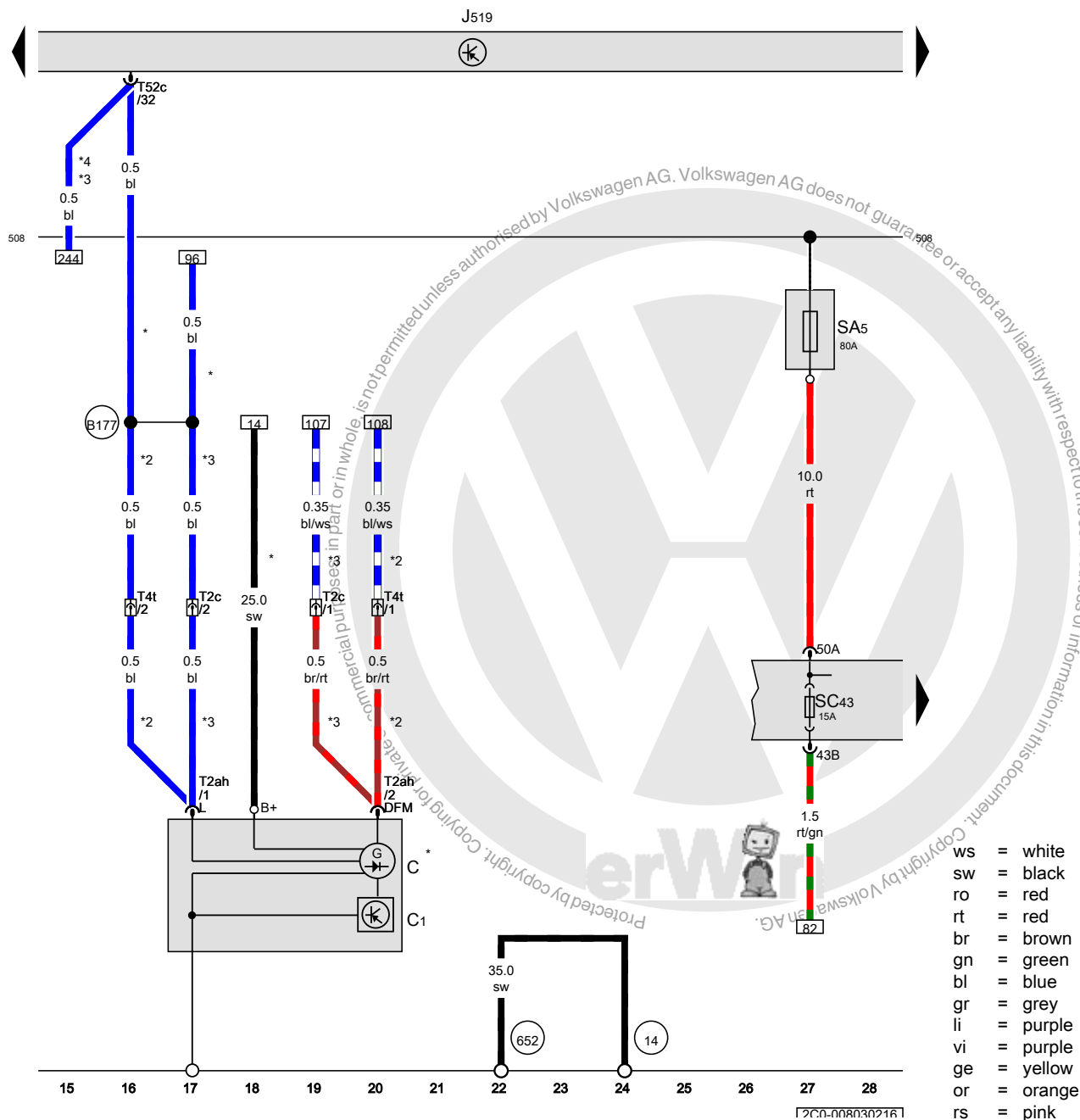
From August 2010



**Battery, Starter, Alternator, Battery monitor control unit,
Onboard supply control unit, Fuse 1 in fuse holder A**

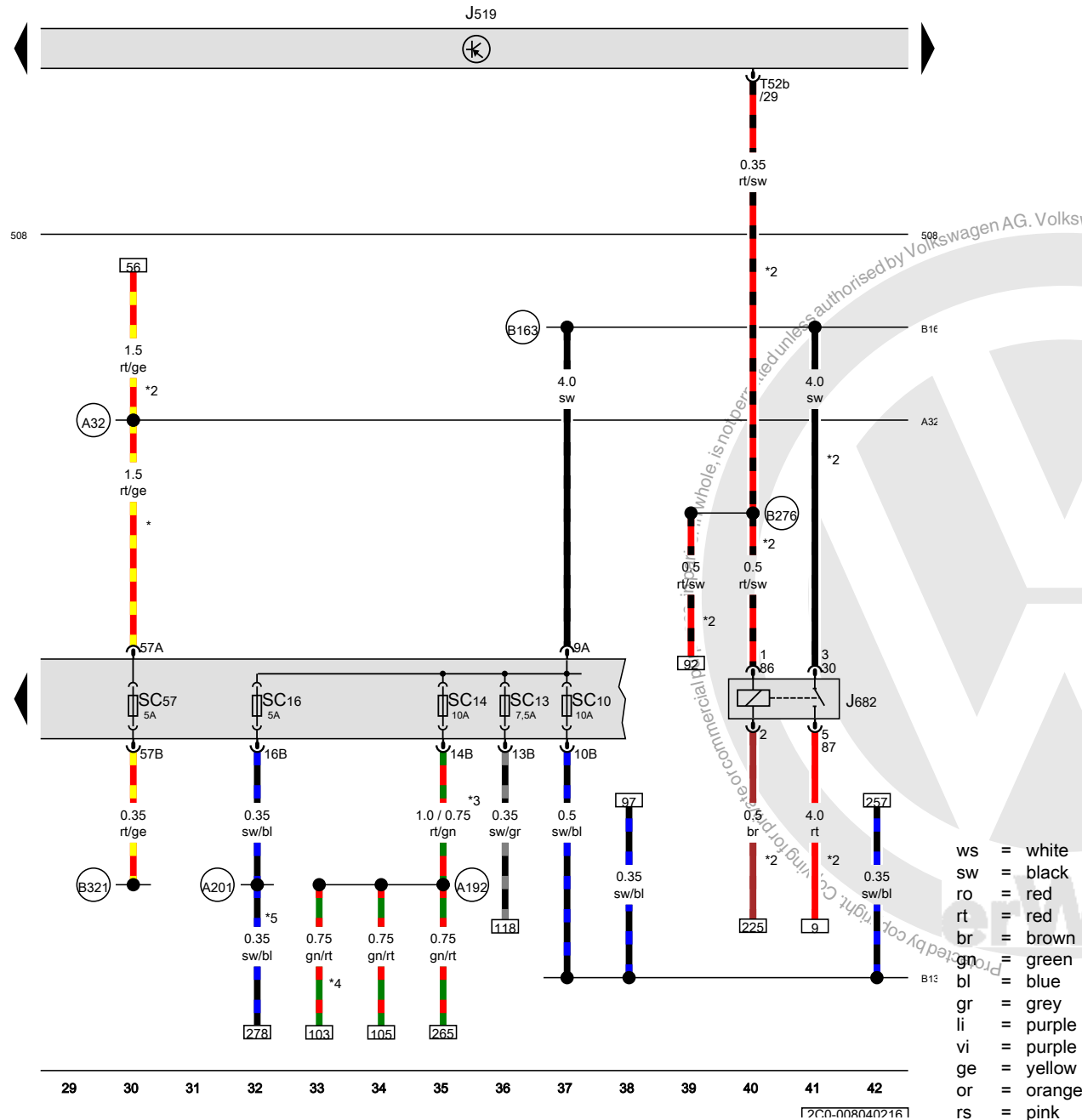


- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2 2-pin connector, black
- T2ai 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52a 52-pin connector, black
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only models with start/stop system
- *2 Only right-hand drive models
- *3 Only models with no air conditioning system
- *4 Only models with no start/stop system
- *5 Only models with air conditioning system



Alternator, Onboard supply control unit, Fuse 5 in fuse holder A, Fuse 43 on fuse holder C

- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector, brown
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with no start/stop system
- *2 Only models with air conditioning system
- *3 Only models with no air conditioning system
- *4 Only models with start/stop system



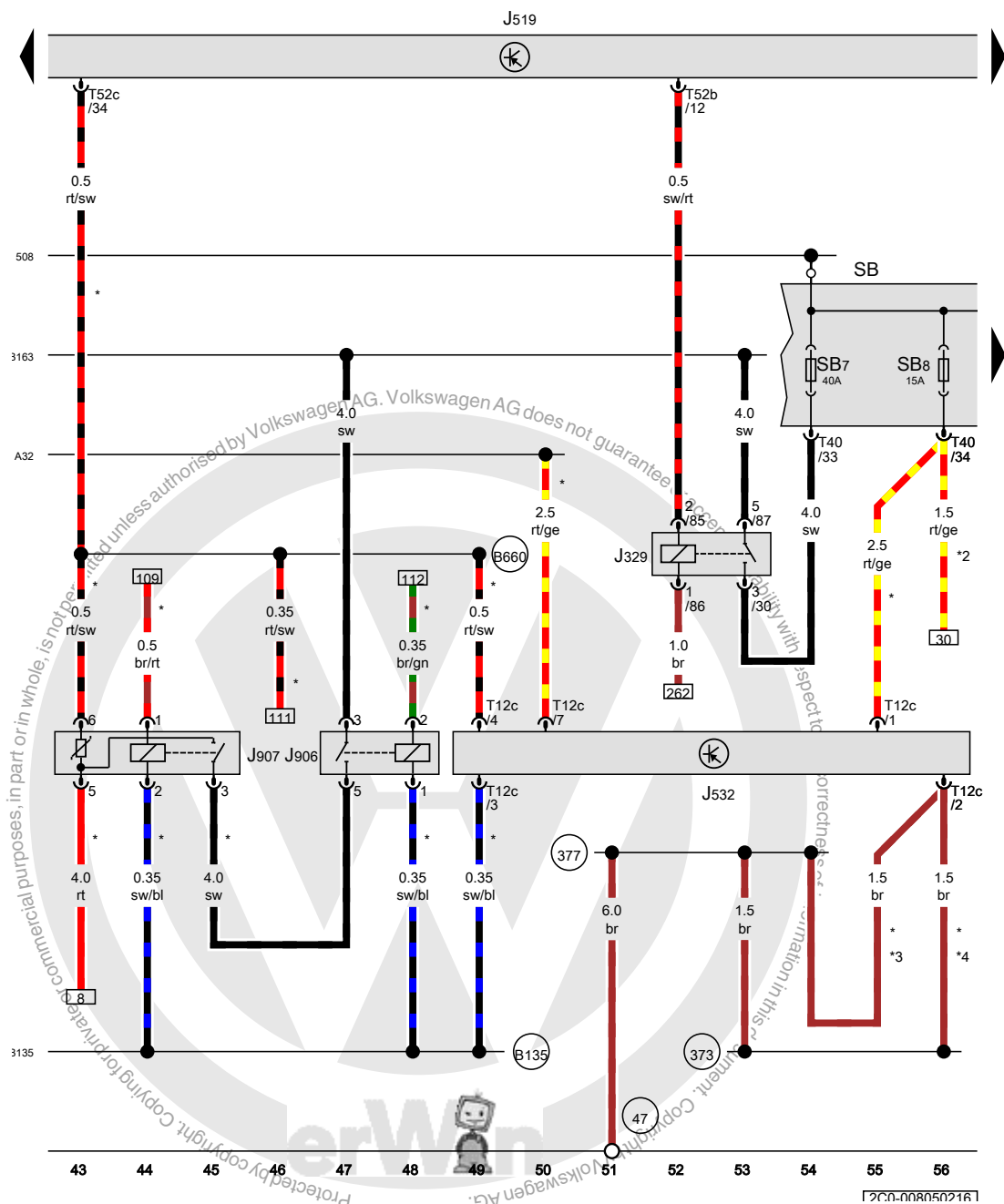
Onboard supply control unit, Terminal 50 voltage supply relay, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C, Fuse 57 on fuse holder C

- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B321 Positive connection 7 (30a) in main wiring harness

- * Only models with start/stop system
- *2 Only models with no start/stop system
- *3 From May 2011
- *4 Only models with crankcase breather heater element
- *5 Only models with flexible service interval display

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Terminal 15 voltage supply relay, Onboard supply control unit, Voltage stabiliser, Starter relay 1, Starter relay 2, Fuse holder B

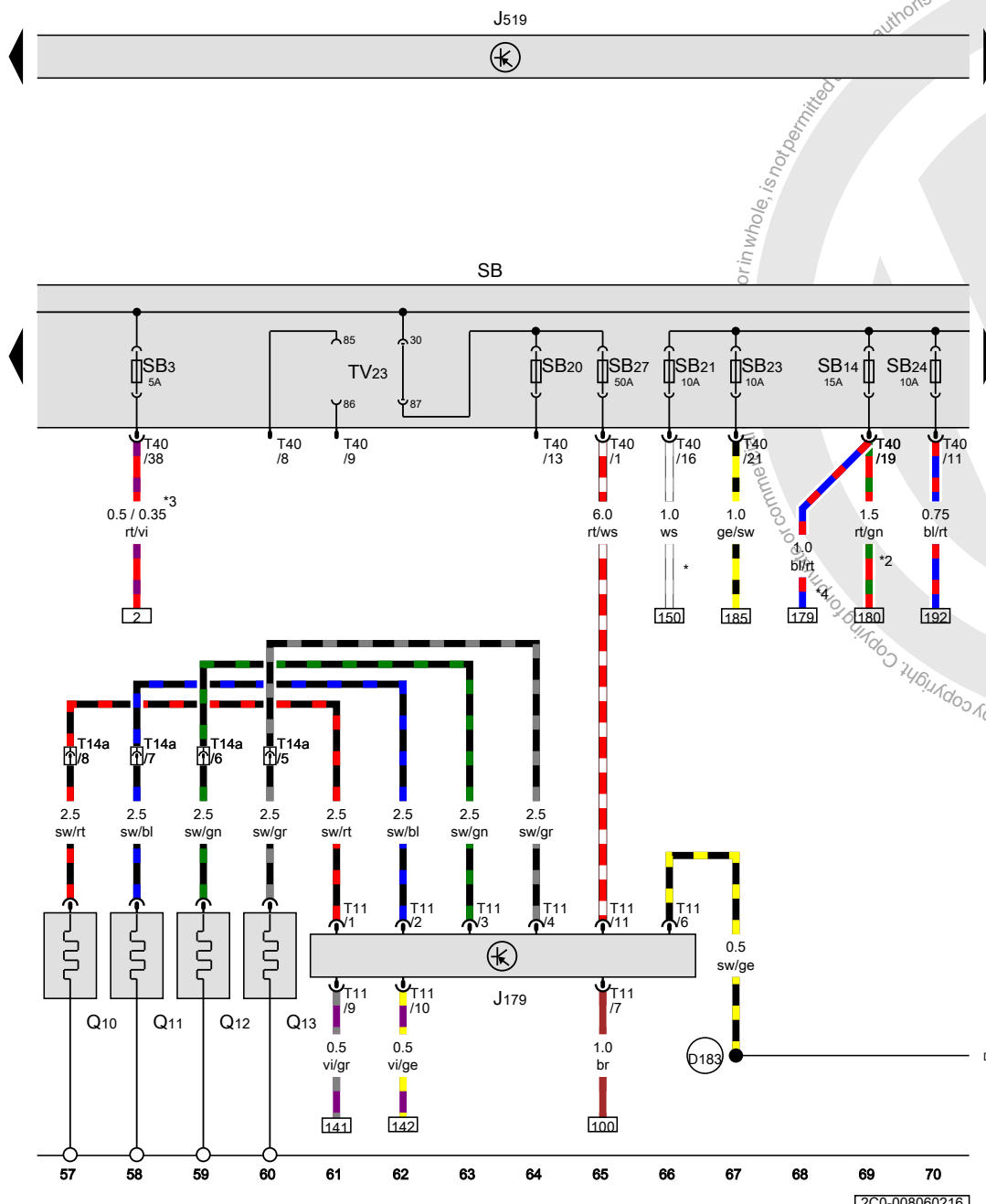
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- T12c 12-pin connector, black
- T40 40-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness

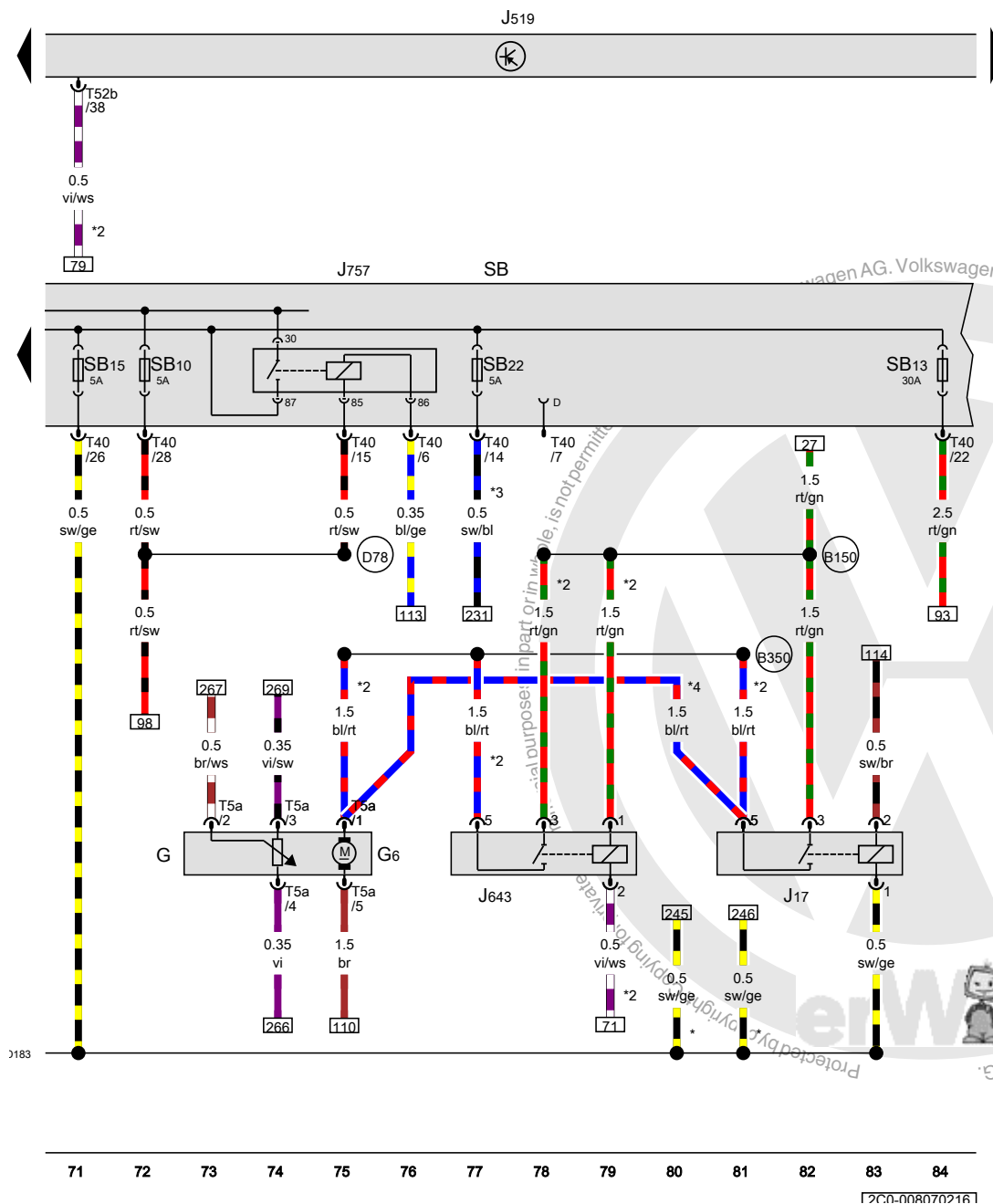
- * Only models with start/stop system
- *2 Only models with no start/stop system
- *3 Only right-hand drive models
- *4 Only left-hand drive models

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Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge



- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector, black
- D183 Connection 4 (87a), in engine compartment wiring harness
- * Only models with Euro 5 emission standard
- *2 Up to April 2011
- *3 Only right-hand drive models
- *4 From May 2011



Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay, Engine component current supply relay, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T5a 5-pin connector, black
- T40 40-pin connector, black
- T52b 52-pin connector, white

B150 Positive connection 2 (30a), in interior wiring harness

B350 Positive connection 1 (87a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

D183 Connection 4 (87a), in engine compartment wiring harness

* Only models with auxiliary air heater

*2 Only models with auxiliary heating

*3 Only models with manual gearbox

*4 Only models with no auxiliary heater

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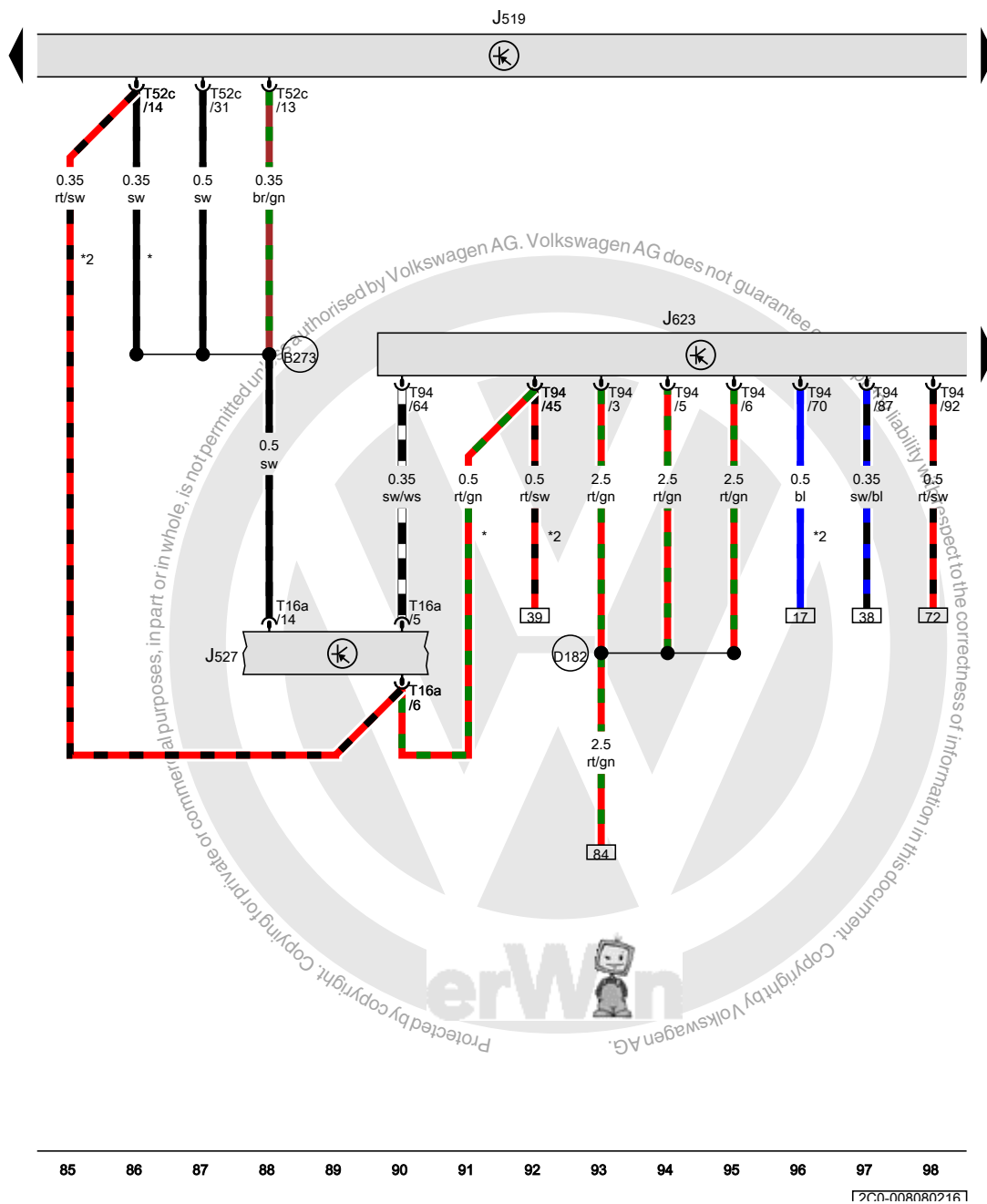
Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T52c 52-pin connector, brown
- T94 94-pin connector

B273 Positive connection (15), in main wiring harness

D182 Connection 3 (87a), in engine compartment wiring harness

- * Only models with start/stop system
- *2 Only models with no start/stop system



Air mass meter, Onboard supply control unit, Engine control unit, Heater element for crankcase breather

- G70 Air mass meter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T3ag 3-pin connector, black
- T94 94-pin connector

131 Earth connection 2, in engine compartment wiring harness

382 Earth connection 17, in main wiring harness

383 Earth connection 18, in main wiring harness

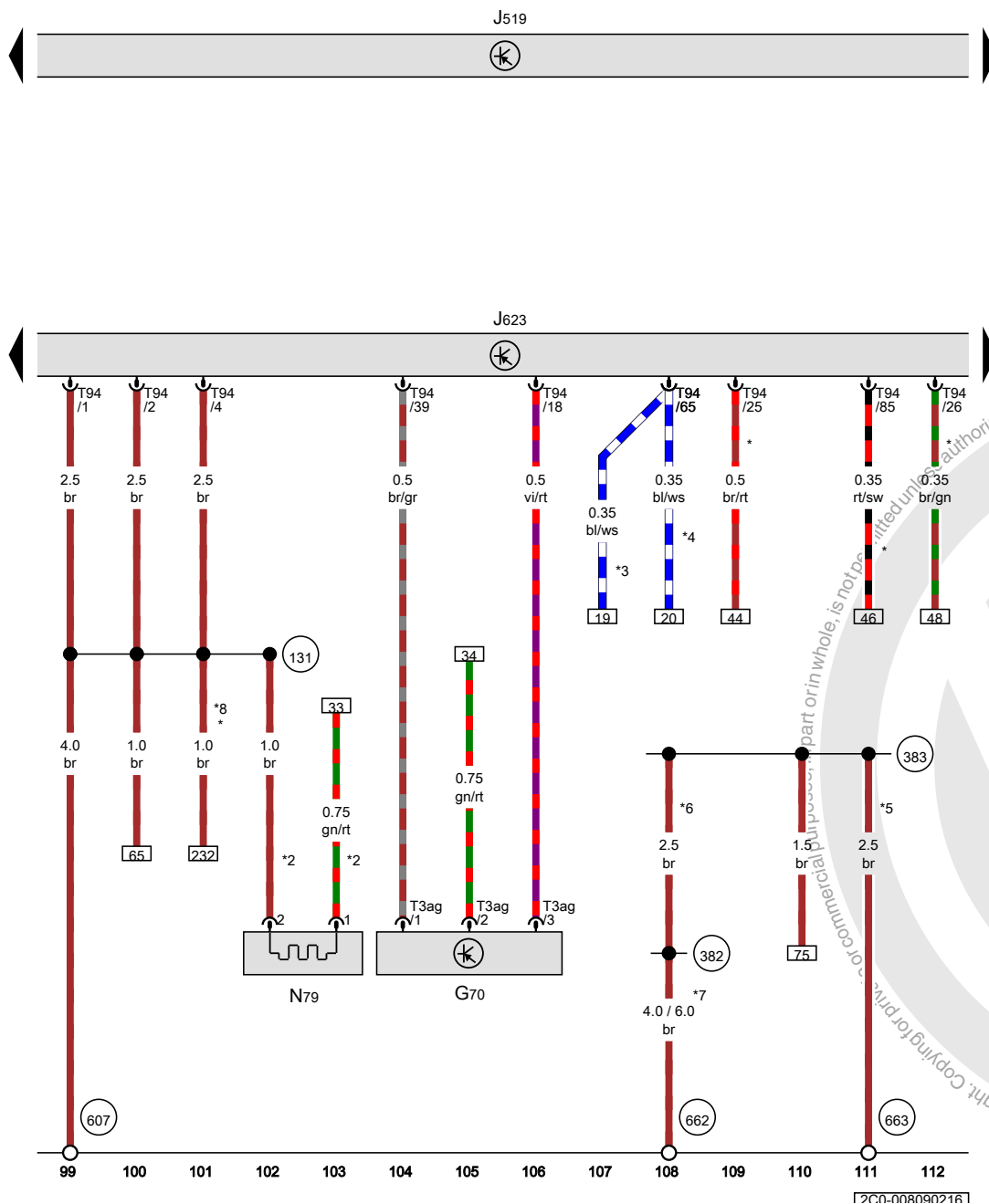
607 Earth point, on left in plenum chamber

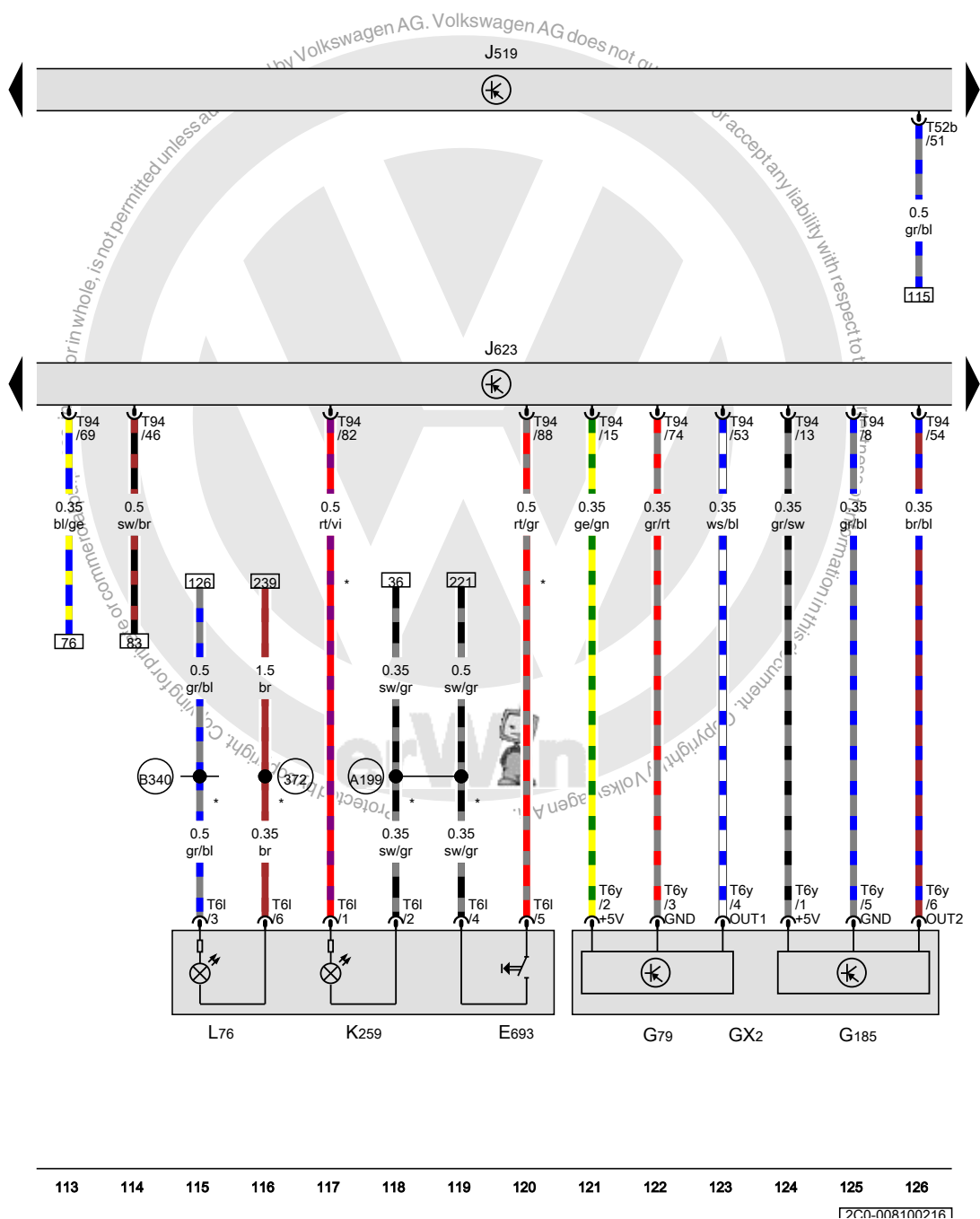
662 Earth point, rear left side panel

663 Earth point, rear right side panel

- * Only models with start/stop system
- *2 Only models with crankcase breather heater element
- *3 Only models with no air conditioning system
- *4 Only models with air conditioning system
- *5 Optional equipment
- *6 Only models with basic equipment
- *7 According to equipment
- *8 Only models with manual gearbox

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Start/Stop operation button, Accelerator pedal module,
Onboard supply control unit, Engine control unit

- E693 Start/Stop operation button
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- T6l 6-pin connector, blue
- T6y 6-pin connector, black
- T52b 52-pin connector, white
- T94 94-pin connector

- 372 Earth connection 7, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with start/stop system

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Charge pressure sender, Intake air temperature sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Onboard supply control unit, Engine control unit

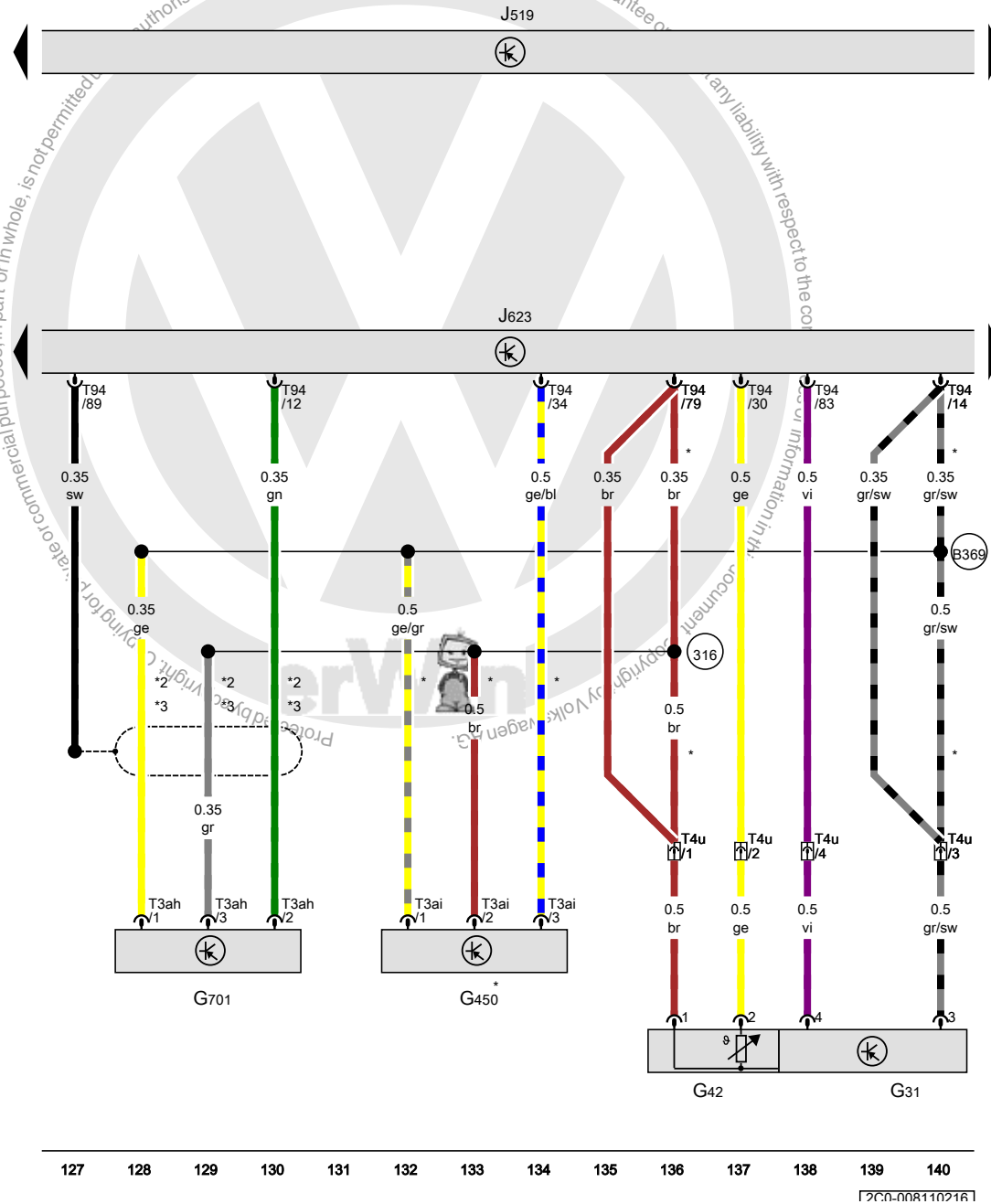
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ah 3-pin connector, brown
- T3ai 3-pin connector
- T4u 4-pin connector, front left in engine compartment, black
- T94 94-pin connector

316 Earth connection (sender earth 2) in engine wiring harness

B369 Connection 1 (5V), in main wiring harness

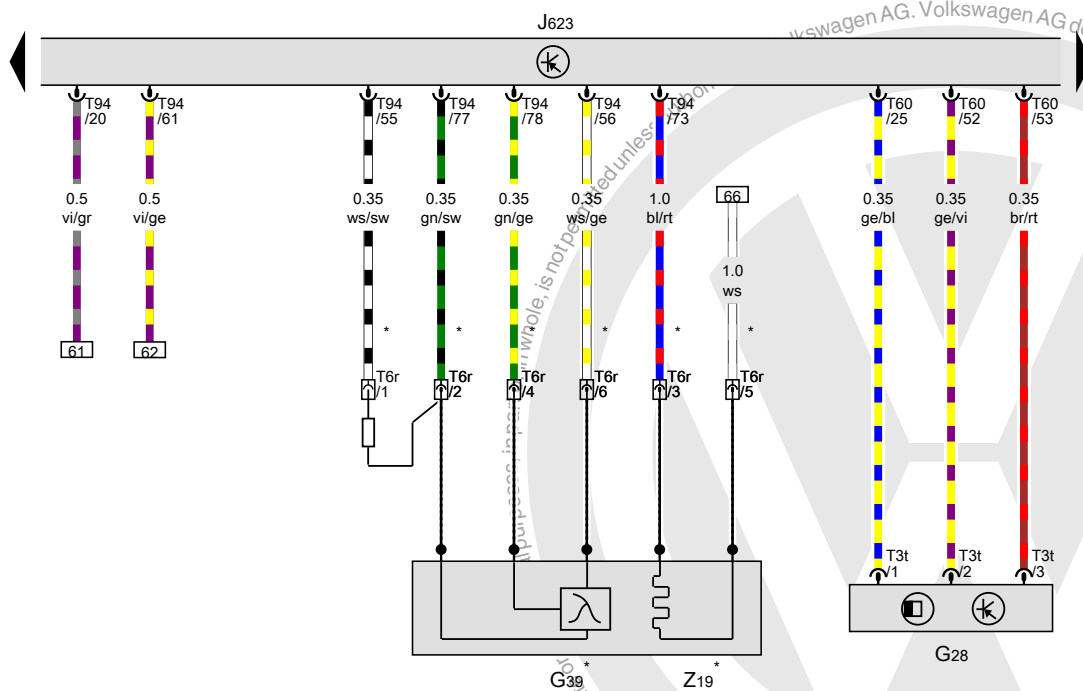
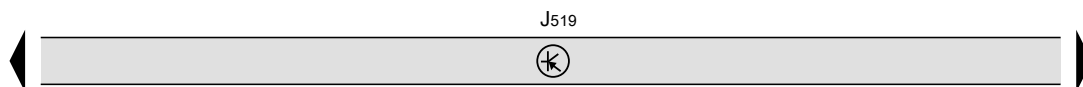
- * Only models with Euro 5 emission standard
- *2 Only models with manual gearbox
- *3 Only models with start/stop system

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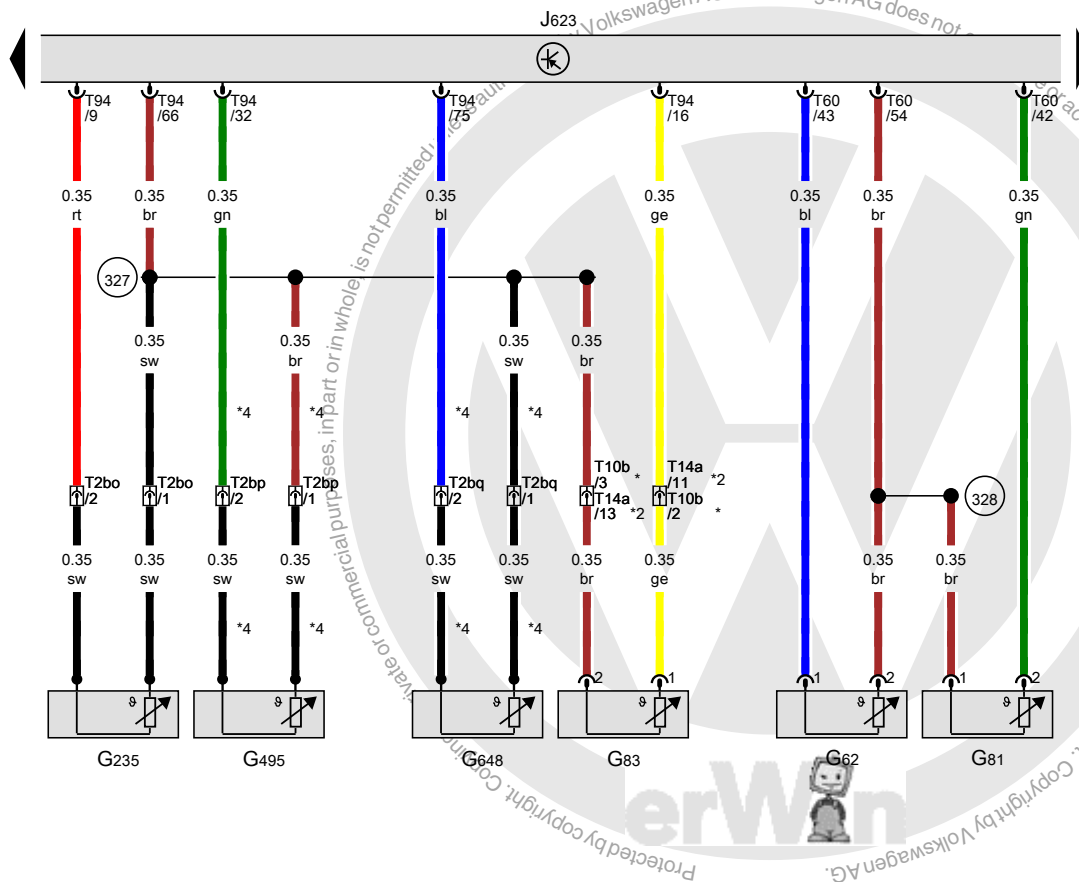
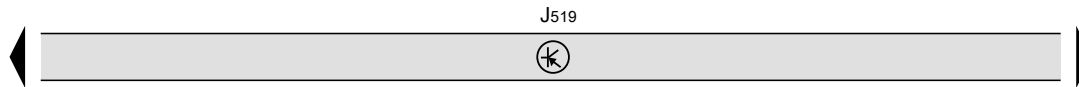


Engine speed sender, Lambda probe, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G39 Lambda probe
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3t 3-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T60 60-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- * Only models with Euro 5 emission standard



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Coolant temperature sender, Fuel temperature sender, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Onboard supply control unit, Engine control unit

G62 Coolant temperature sender

G81 Fuel temperature sender

G83 Radiator outlet coolant temperature sender

G235 Exhaust gas temperature sender 1

G495 Exhaust gas temperature sender 3

G648 Exhaust gas temperature sender 4

J519 Onboard supply control unit

J623 Engine control unit, central in plenum chamber

T2bo 2-pin connector, in rear of engine compartment, black

T2bp 2-pin connector, in rear of engine compartment, brown

T2bq 2-pin connector, in rear of engine compartment, orange

T10b 10-pin connector, near left headlight, black

T14a 14-pin connector, near left headlight, black

T60 60-pin connector

T94 94-pin connector

327 Earth connection (sender earth), in engine compartment wiring harness

328 Earth connection 2 (sender earth), in engine compartment wiring harness

* Up to April 2011

*2 From May 2011

*3 Only models with manual gearbox

*4 Only models with Euro 5 emission standard

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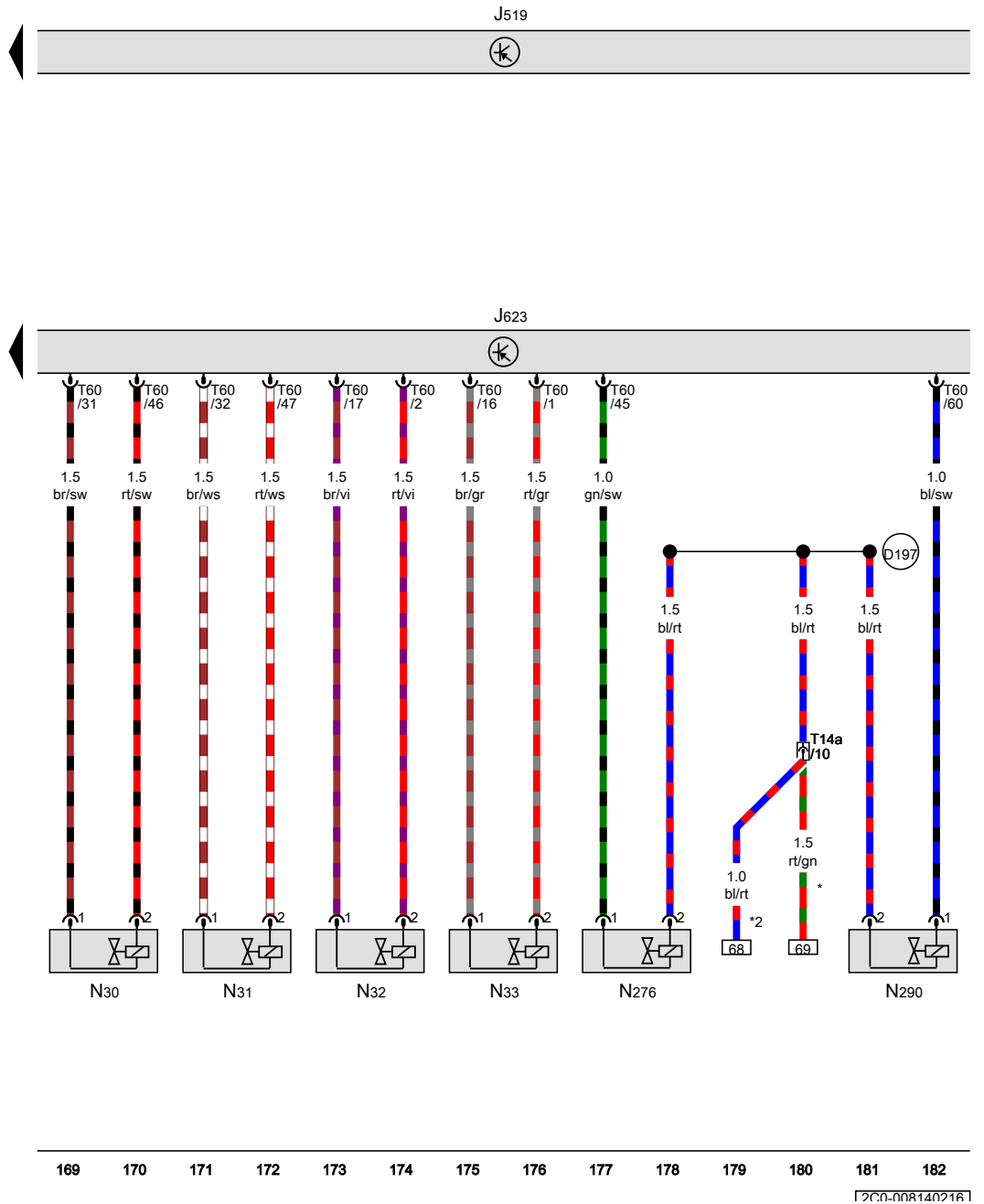
Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T14a	14-pin connector, near left headlight, black
T60	60-pin connector

(D197) Connection 5 (87a), in engine compartment wiring harness

* Up to April 2011

*2 From May 2011



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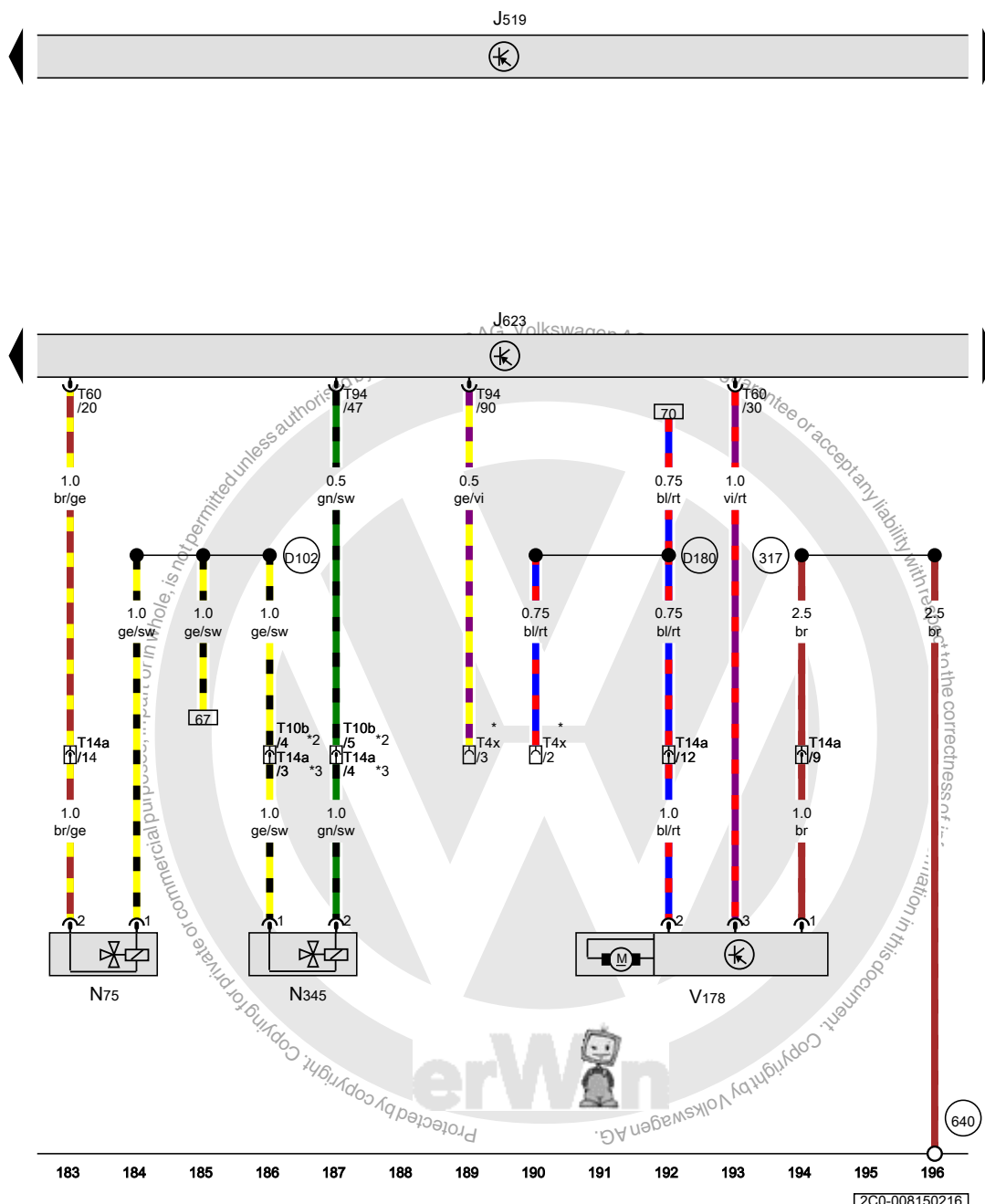
Onboard supply control unit, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump 2

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T4x 4-pin connector, on radiator fan, bottom left, black
- T10b 10-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2

- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D102 Connection 2 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness

- * Radiator fan connection
- *2 Up to April 2011
- *3 From May 2011

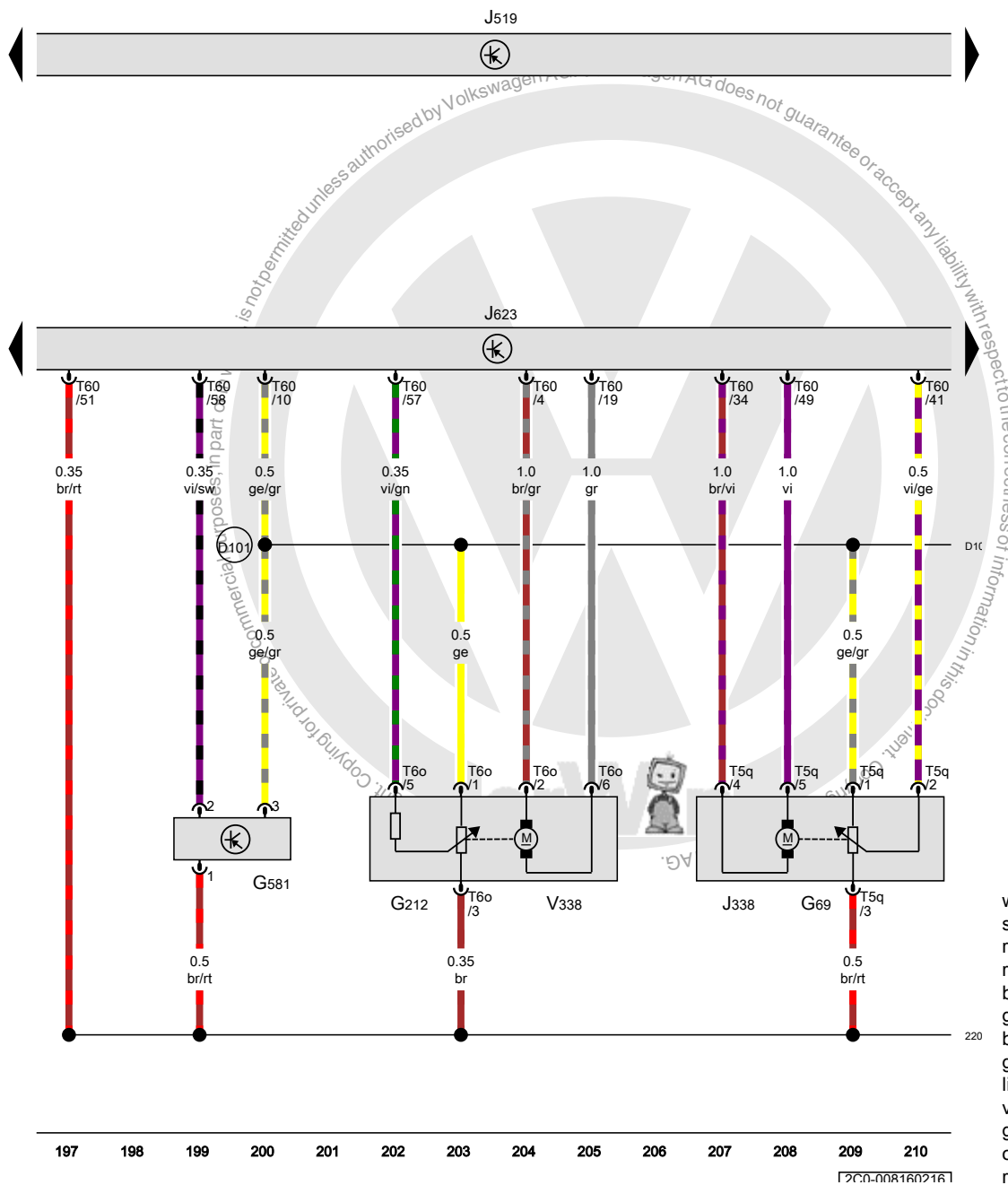
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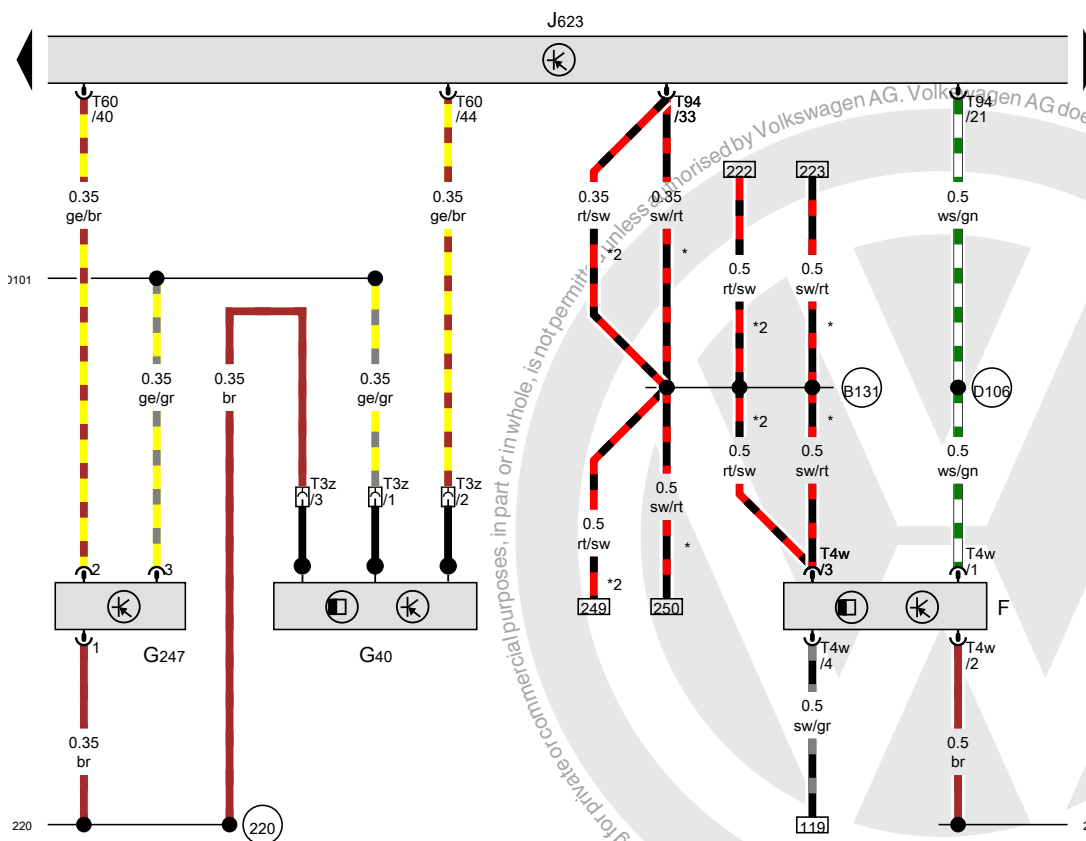
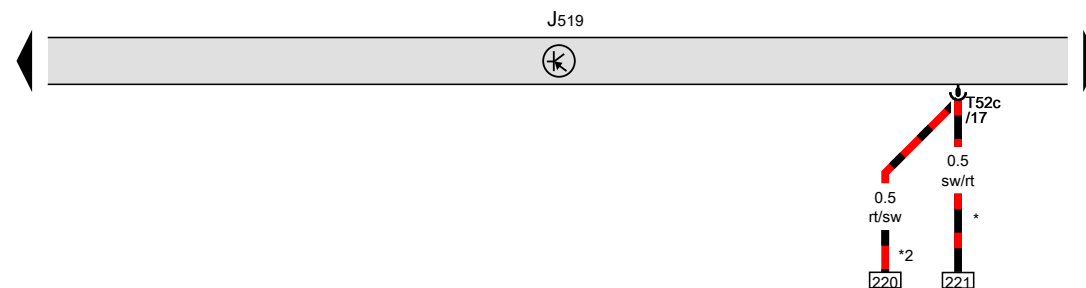


Throttle valve potentiometer, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Throttle valve module, Onboard supply control unit, Engine control unit, Exhaust gas recirculation control motor

- G69 Throttle valve potentiometer
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5q 5-pin connector, black
- T6o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

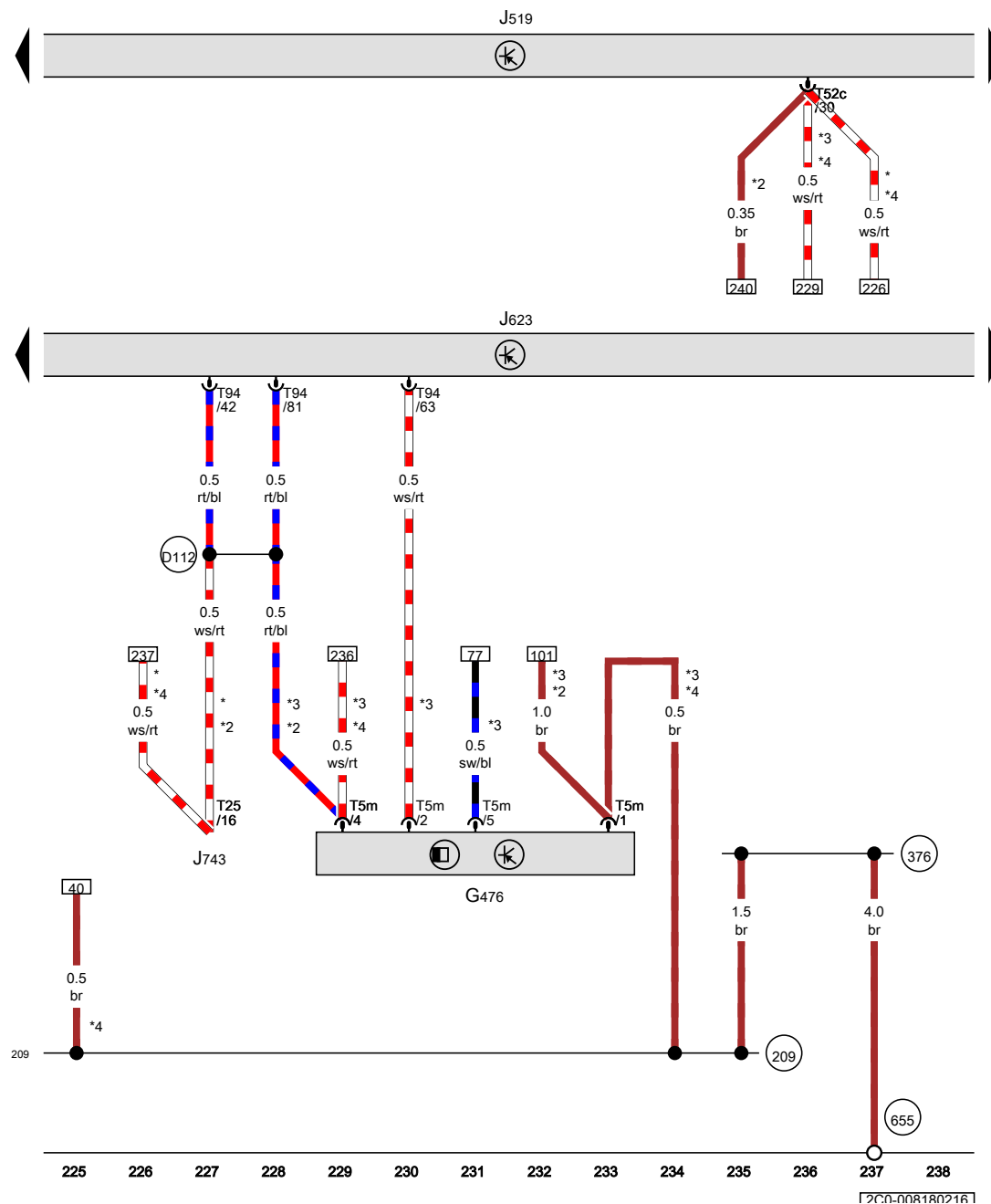




Brake light switch, Hall sender, Fuel pressure sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G40 Hall sender
- G247 Fuel pressure sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector, on front of engine, black
- T4w 4-pin connector, black
- T52c 52-pin connector, brown
- T60 60-pin connector
- T94 94-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- B131 Connection (54), in interior wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * From May 2011
- *2 Up to April 2011

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Clutch position sender, Onboard supply control unit, Engine control unit

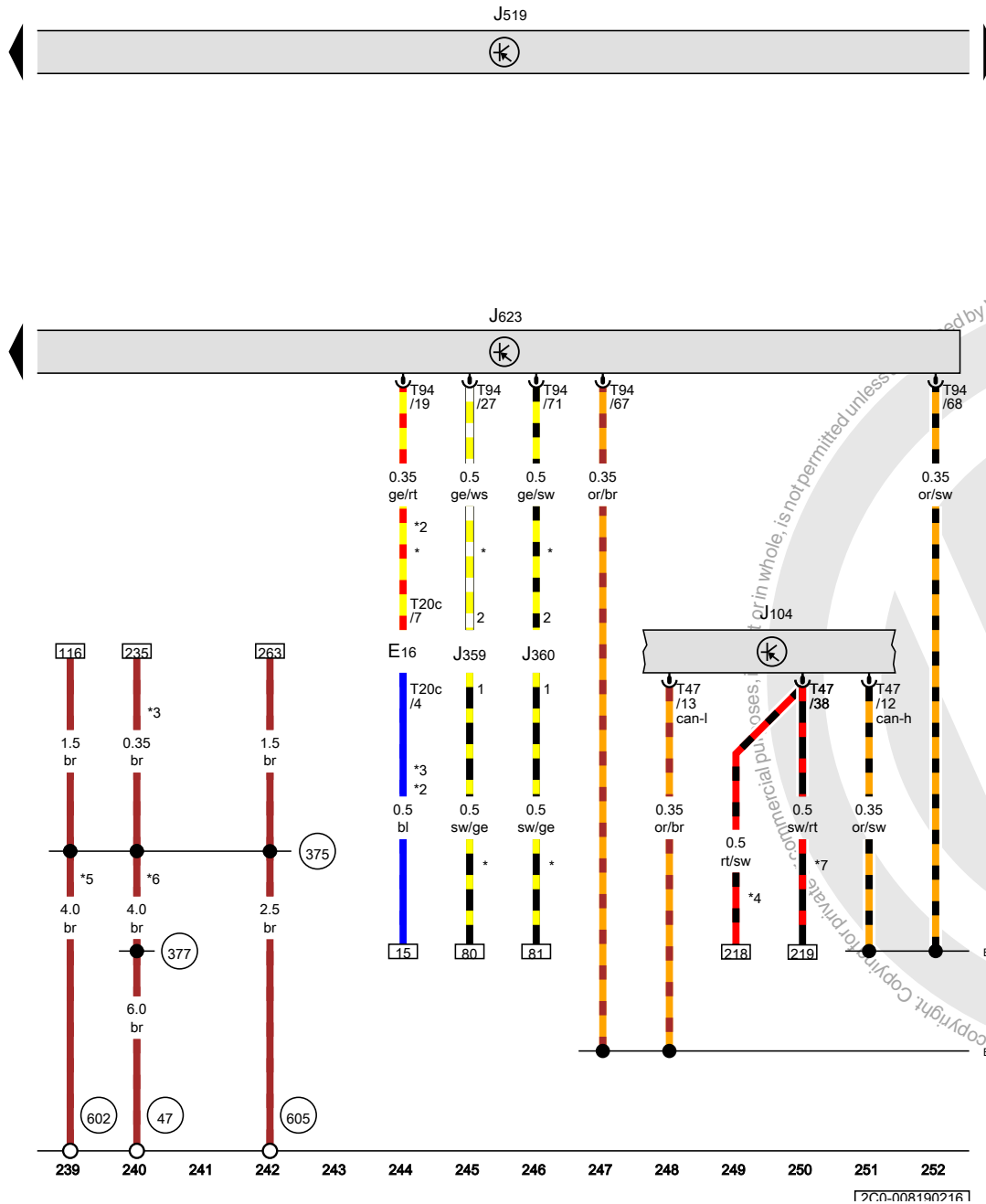
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- J743 Mechatronic unit for dual clutch gearbox
- T5m 5-pin connector, black
- T25 25-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- D112 Connection 10 in engine compartment wiring harness

- * Only models with dual clutch gearbox 0AM
- *2 Only models with start/stop system
- *3 Only models with manual gearbox
- *4 Only models with no start/stop system

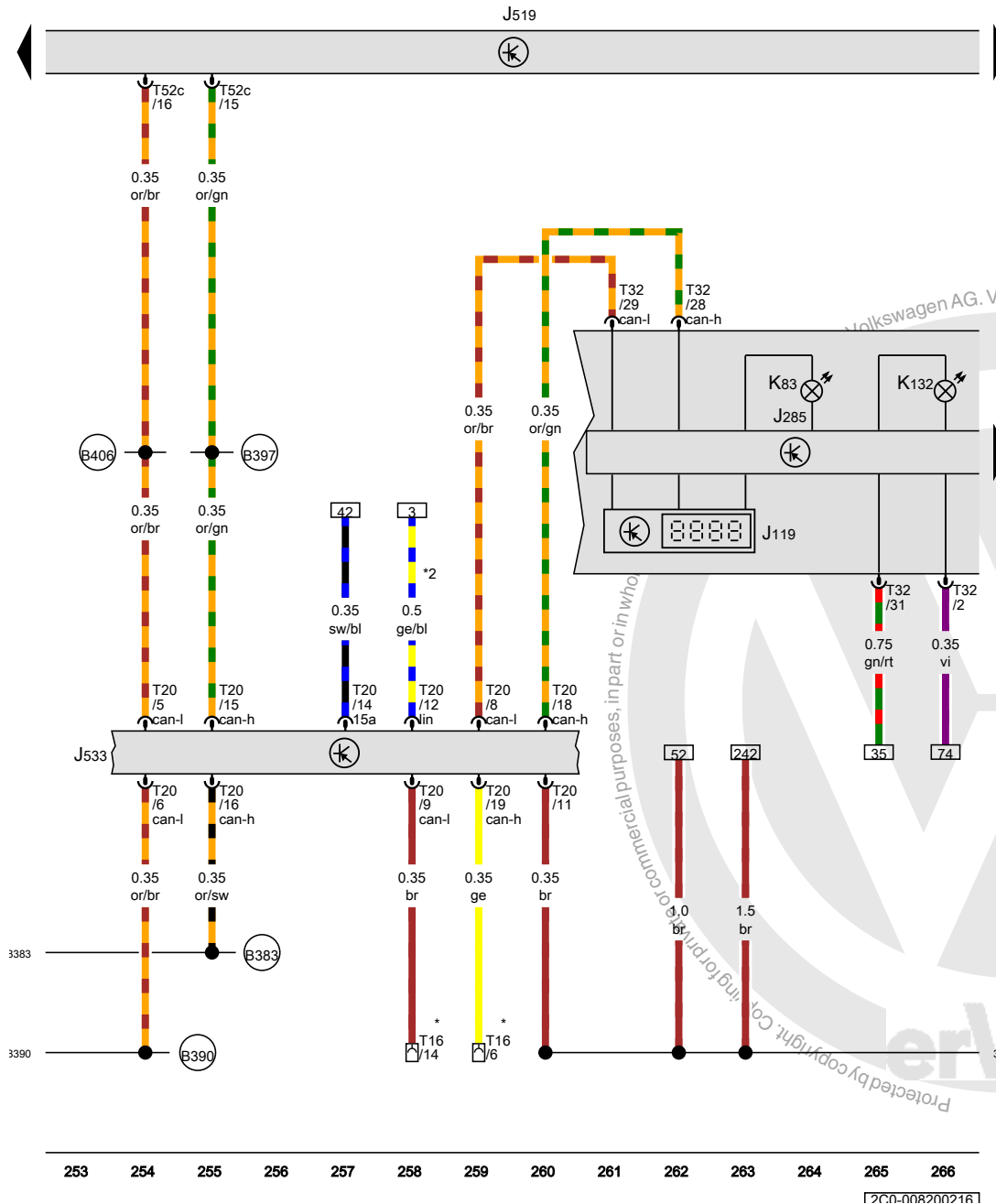
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Onboard supply control unit, Engine control unit



- E16 Heater/heat output switch
- J104 ABS control unit
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T20c 20-pin connector, black
- T47 47-pin connector
- T94 94-pin connector
- (47) Earth point, in front right footwell
- (375) Earth connection 10, in main wiring harness
- (377) Earth connection 12, in main wiring harness
- (602) Earth point, in front left footwell
- (605) Earth point, on top end of steering column
- (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 auxiliary air heater
- *2 Only models with no air conditioning system
- *3 Only models with start/stop system
- *4 Up to April 2011
- *5 Only left-hand drive models
- *6 Only right-hand drive models
- *7 From May 2011

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 or = orange
 rs = pink

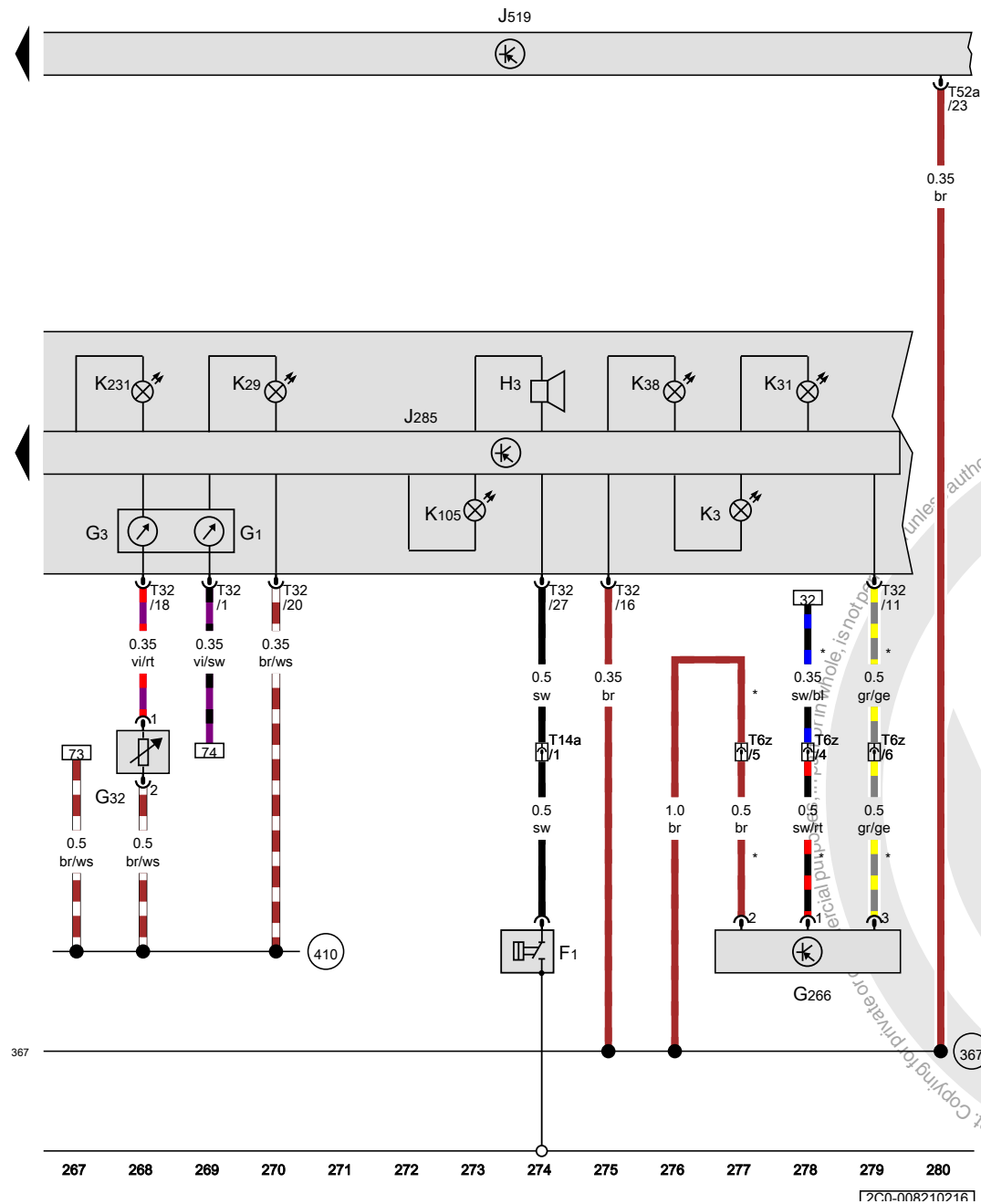


**Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface**

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K83 Exhaust emissions warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection
- *2 Only models with start/stop system

- 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



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

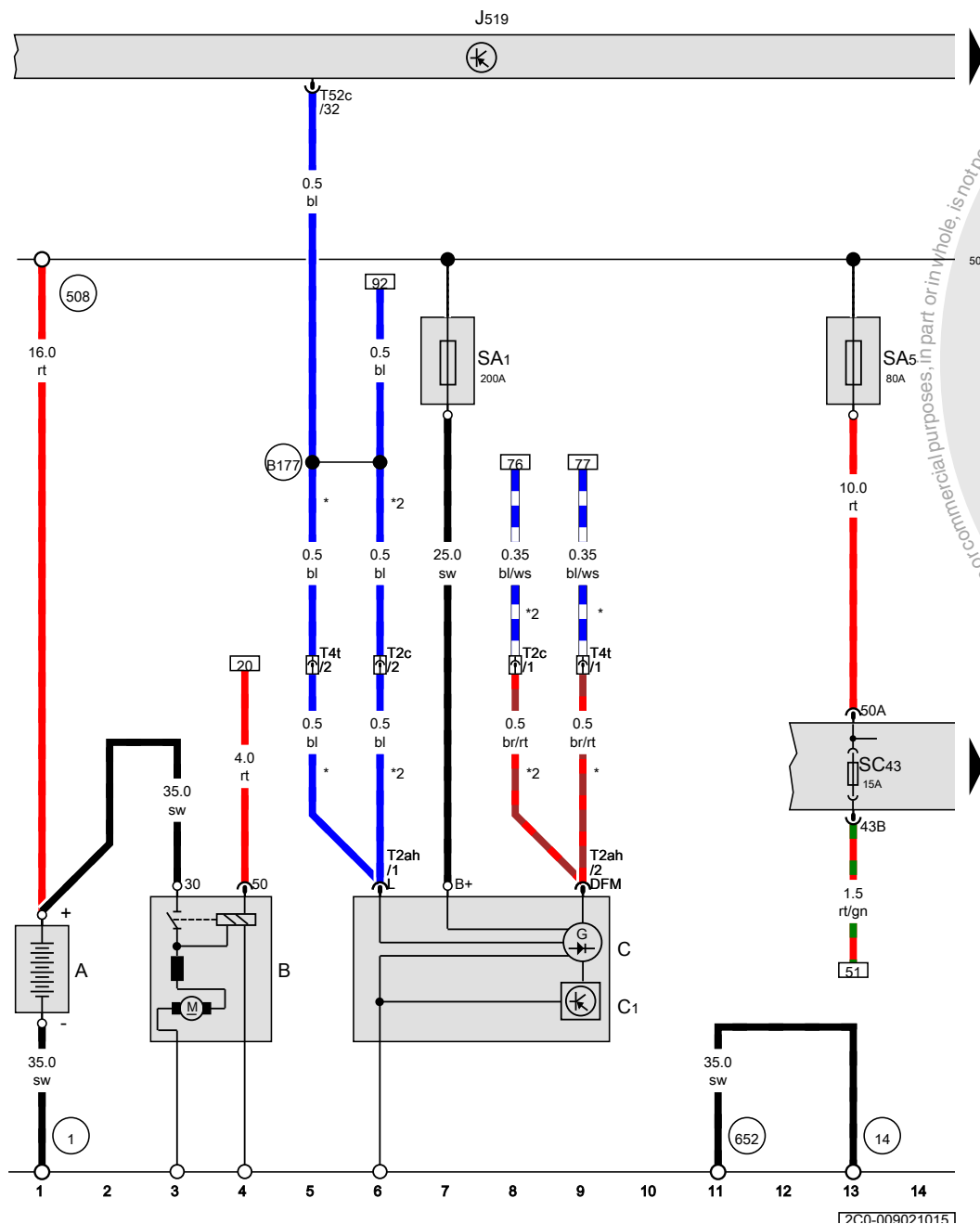
* Only models with flexible service interval display

- 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

2.0l diesel engine , CFHC,CFHE,CFHF,CLCA

From August 2010

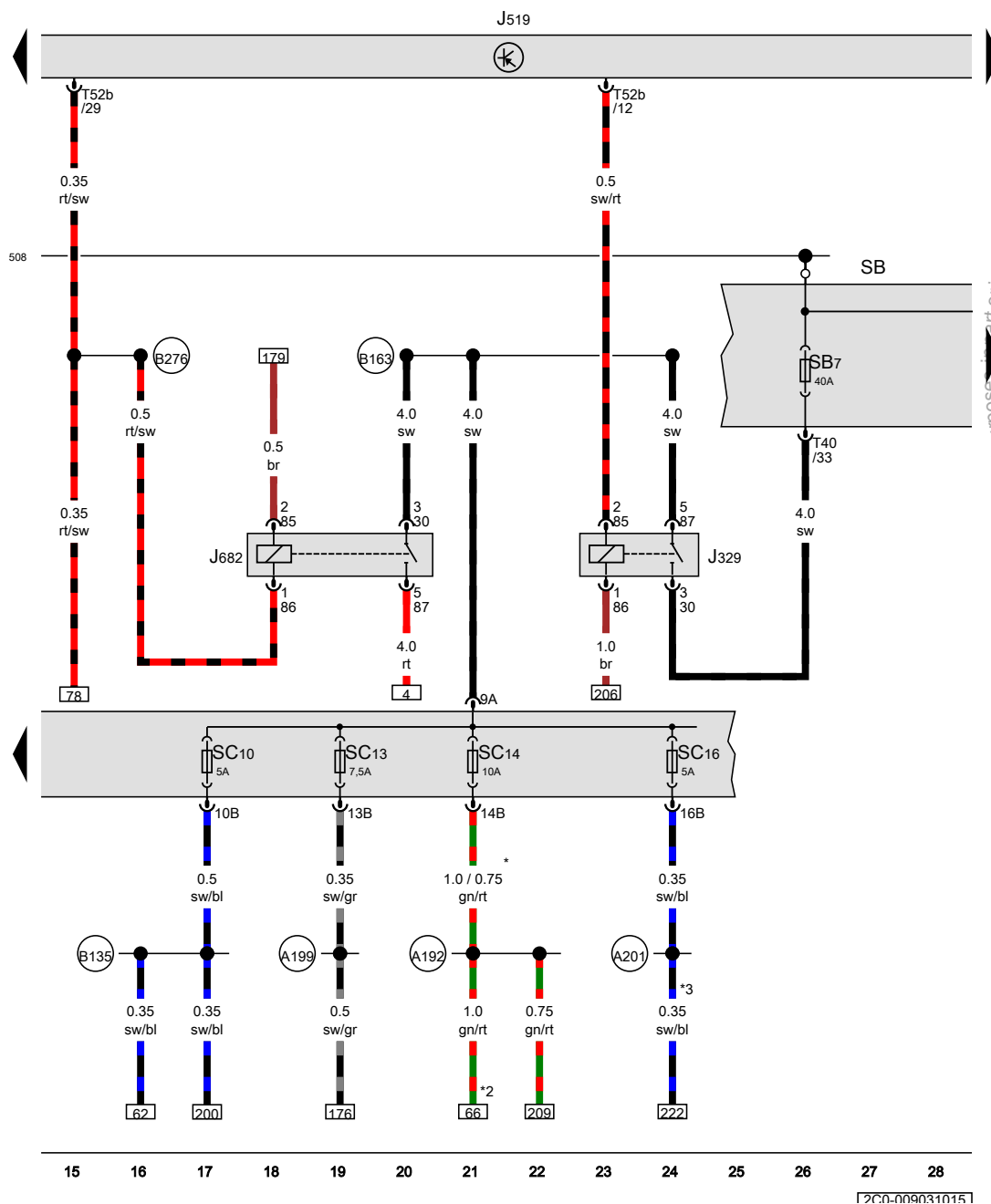




**Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C**

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

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



Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white
- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness

- * From May 2011
- *2 Only models with crankcase breather heater element
- *3 Only models with flexible service interval display

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

Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge

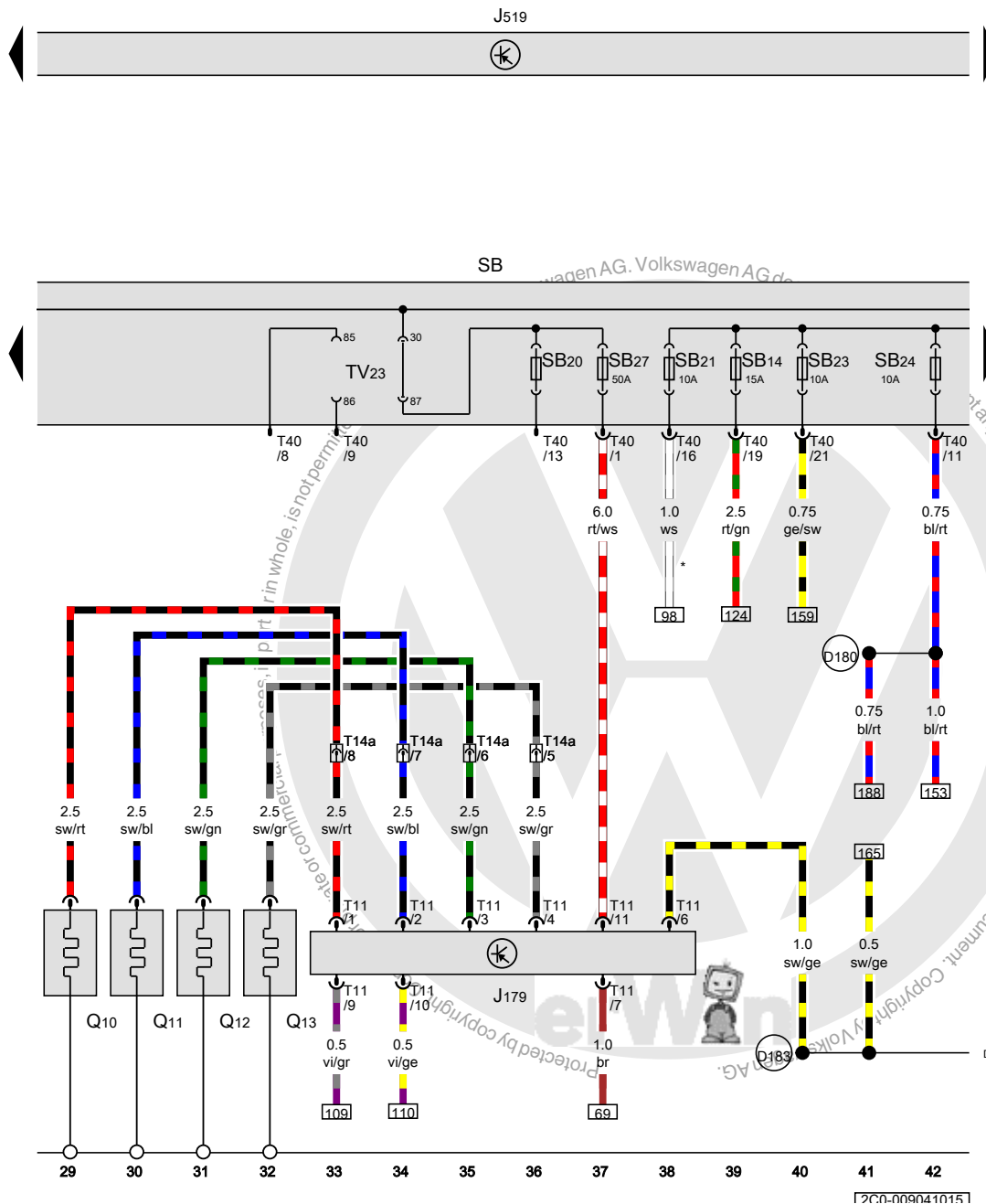
- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector

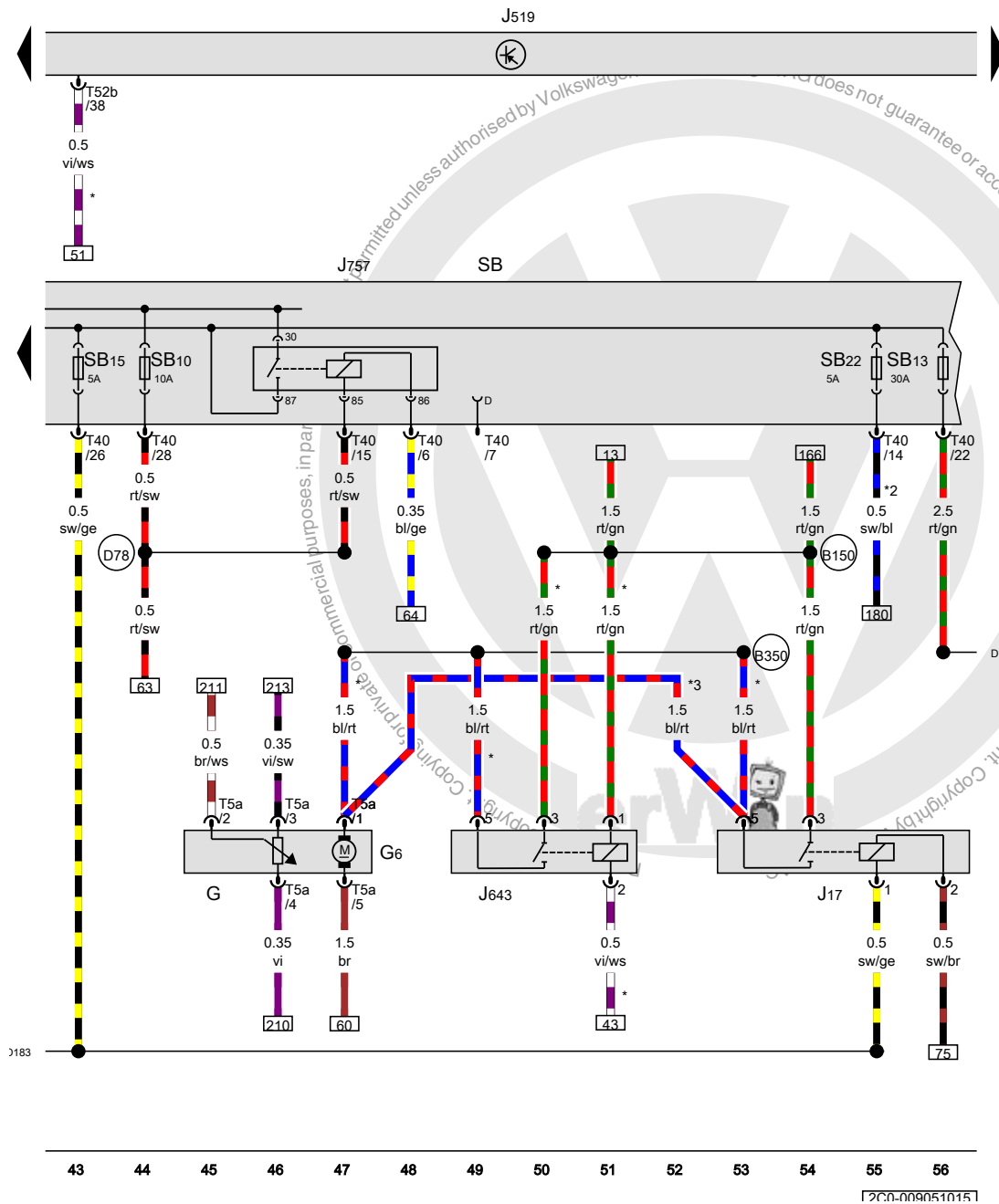
D180 Connection (87a), in engine compartment wiring harness

D183 Connection 4 (87a) in engine compartment wiring harness

* Not for models with Euro 4 emission standard

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





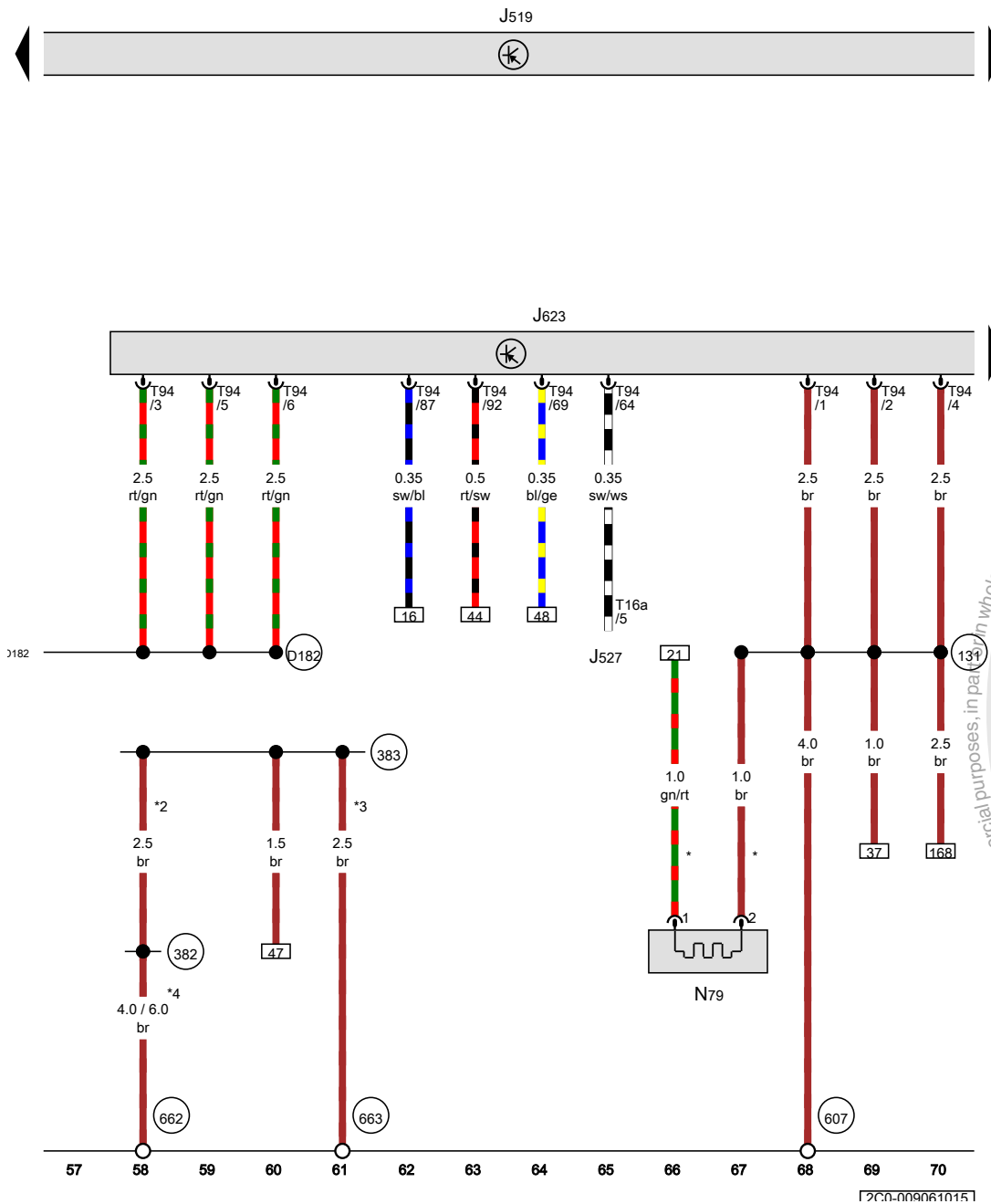
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay, Engine component current supply relay, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T5a 5-pin connector, black
- T40 40-pin connector
- T52b 52-pin connector, white

- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with auxiliary heating
- *2 Only models with manual gearbox
- *3 Only models with no auxiliary heater

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

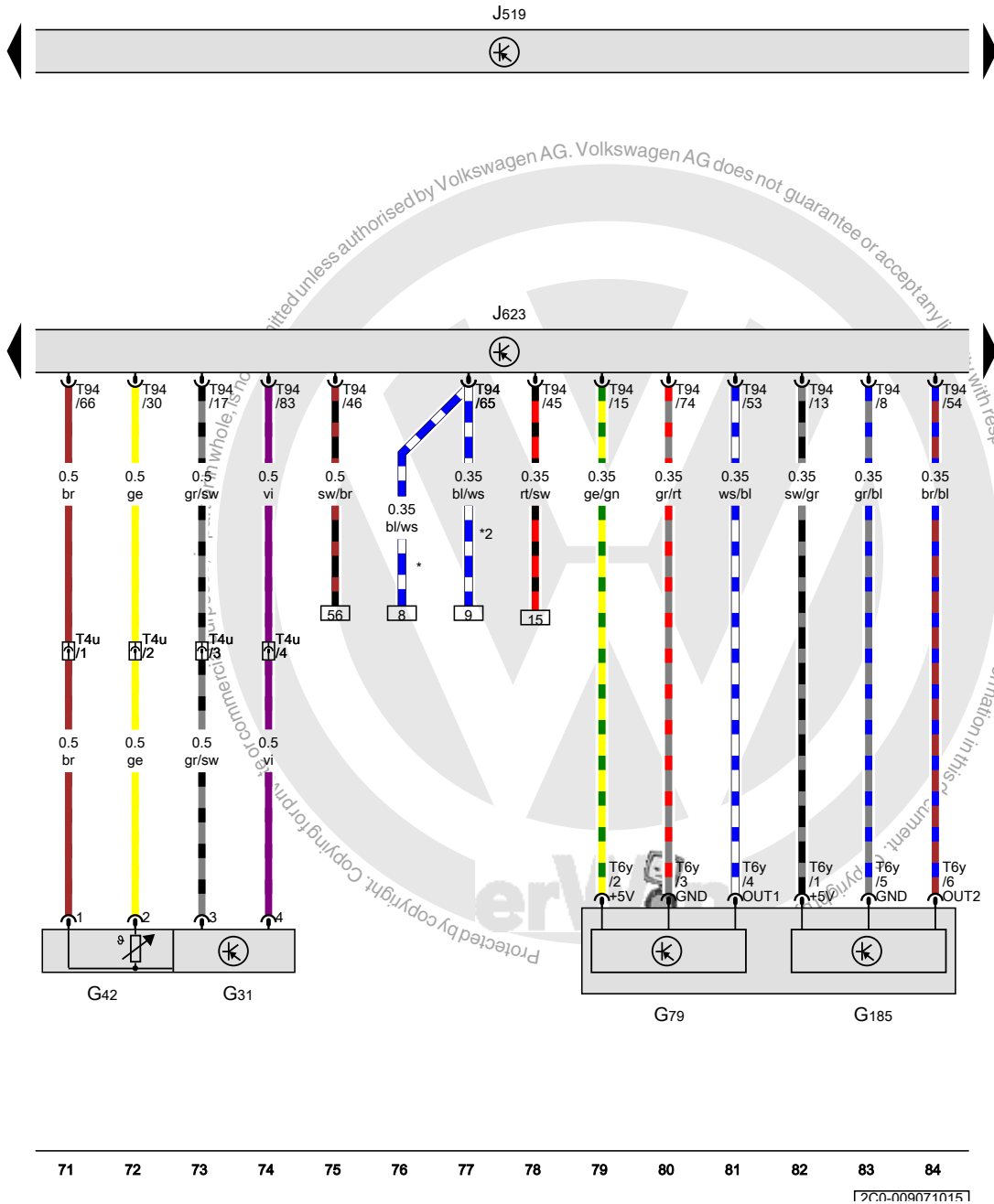
Onboard supply control unit, Engine control unit, Heater element for crankcase breather



- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T16a 16-pin connector
- T94 94-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 607 Earth point, on left in plenum chamber
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with basic equipment
- *3 Optional equipment
- *4 According to equipment

Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

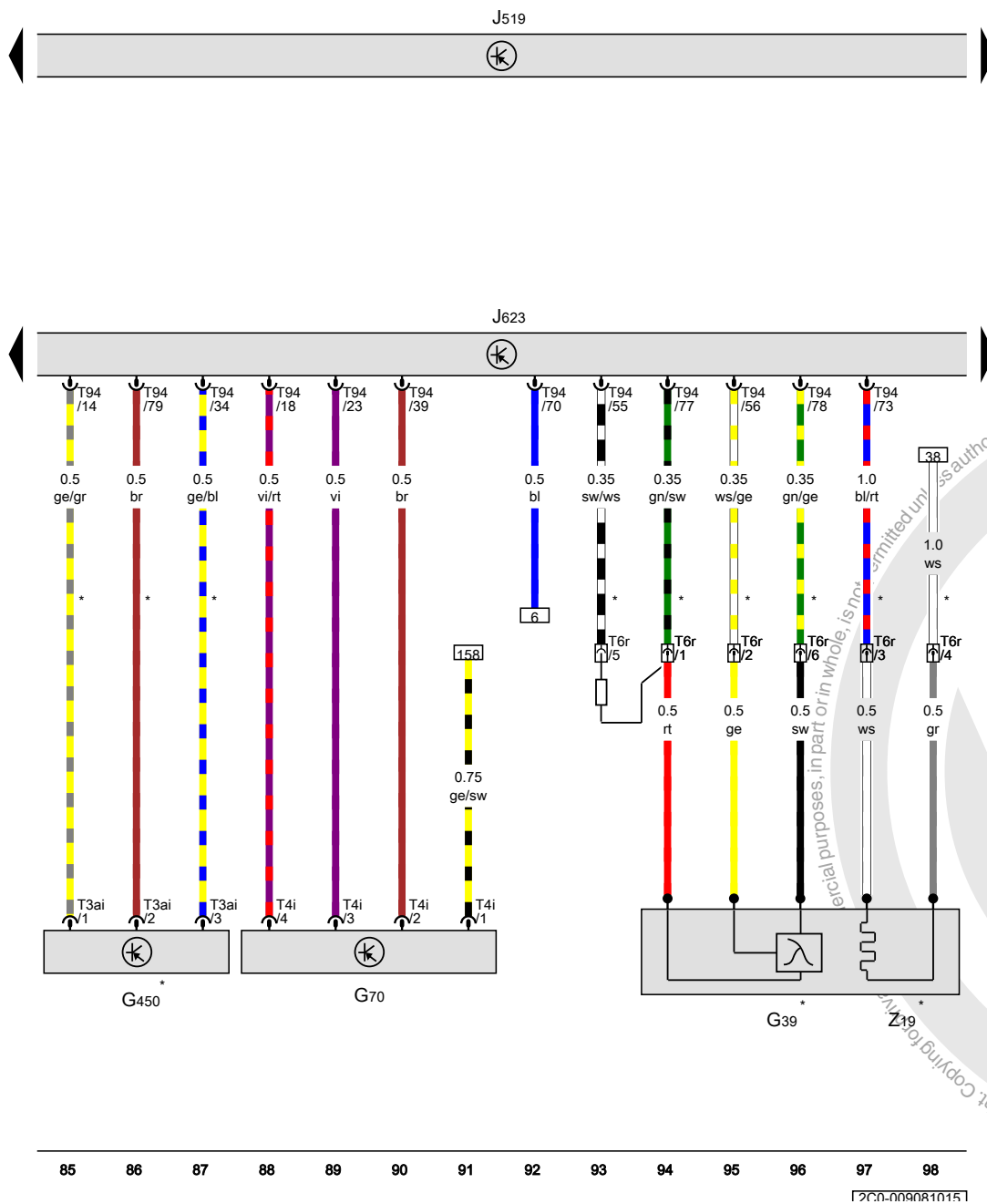
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4u 4-pin connector, front left in engine compartment, black
- T6y 6-pin connector, black
- T94 94-pin connector
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



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

Lambda probe, Air mass meter, Exhaust gas pressure sensor 1, Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G70 Air mass meter
- G450 Exhaust gas pressure sensor 1
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ai 3-pin connector
- T4i 4-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater
- * Not for models with Euro 4 emission standard



- ws = white
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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

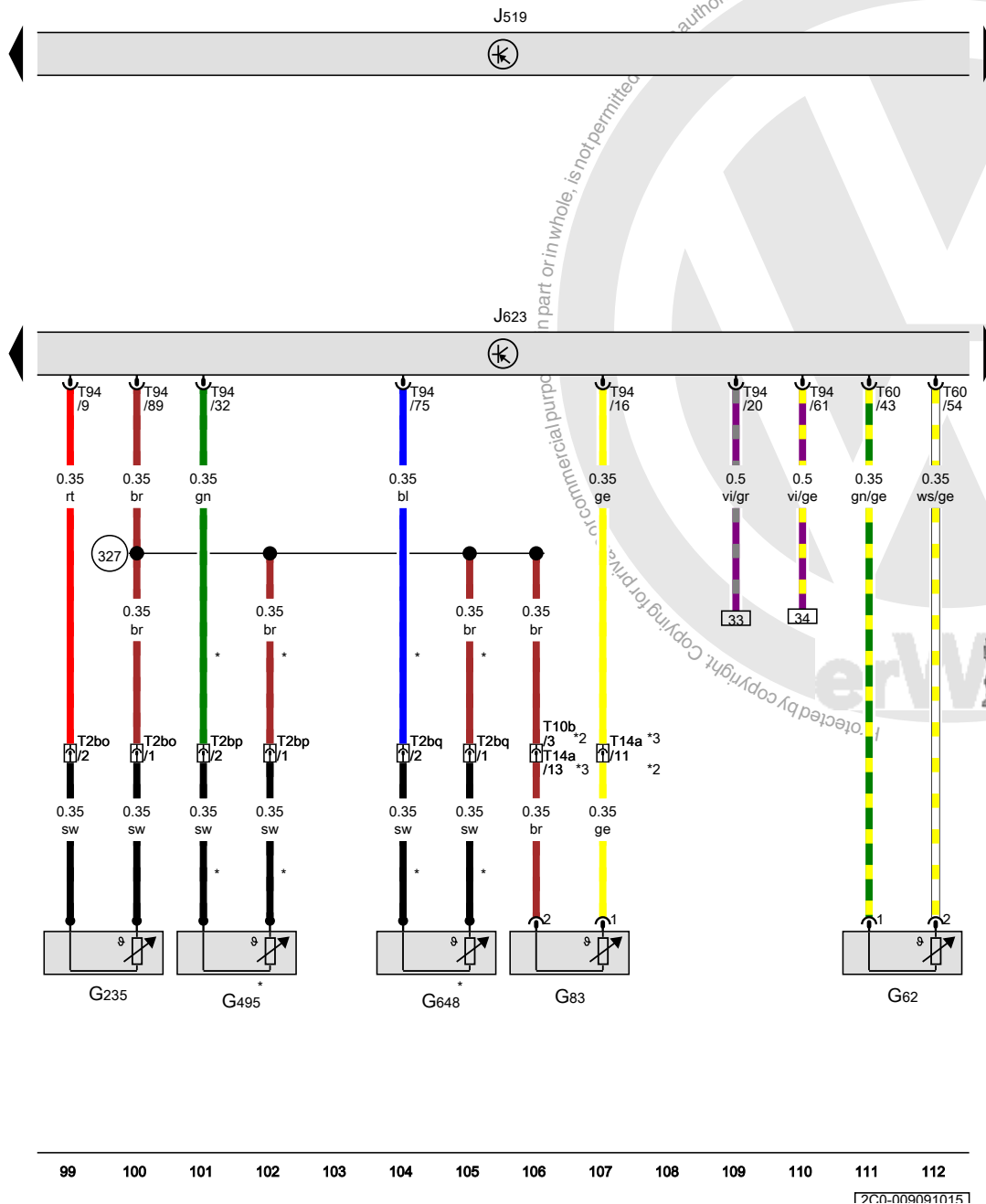
- | | |
|------|--|
| G62 | Coolant temperature sender |
| G83 | Radiator outlet coolant temperature sender |
| G235 | Exhaust gas temperature sender 1 |
| G495 | Exhaust gas temperature sender 3 |
| G648 | Exhaust gas temperature sender 4 |
| J519 | Onboard supply control unit |
| J623 | Engine control unit, central in plenum chamber |
| T2bo | 2-pin connector, in rear of engine compartment, black |
| T2bp | 2-pin connector, in rear of engine compartment, brown |
| T2bq | 2-pin connector, in rear of engine compartment, orange |
| T10b | 10-pin connector, near left headlight, black |
| T14a | 14-pin connector, near left headlight, black |
| T60 | 60-pin connector |
| T94 | 94-pin connector |

327 Earth connection (sender earth), in engine compartment wiring harness

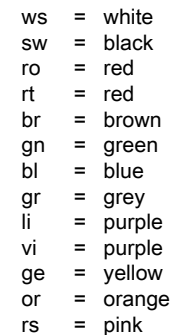
* Not for models with Euro 4 emission standard

*2 Up to April 2011

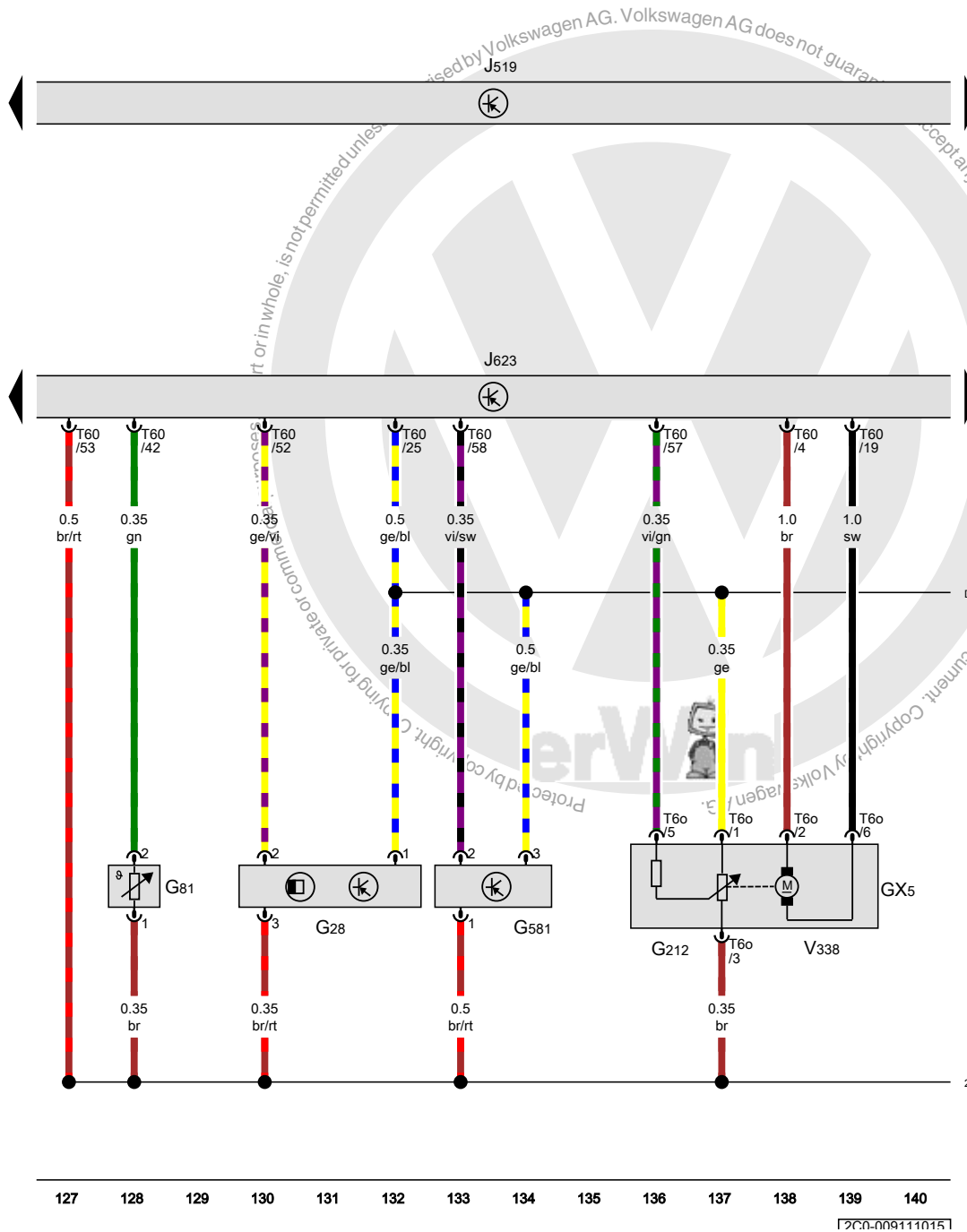
*3 From May 2011



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



J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
N30	Injector, cylinder 1
N31	Injector, cylinder 2
N32	Injector, cylinder 3
N33	Injector, cylinder 4
N276	Fuel pressure regulating valve
N290	Fuel metering valve
T14a	14-pin connector, near left headlight, black
T60	60-pin connector
D189	Connection (87a) in engine prewiring harness

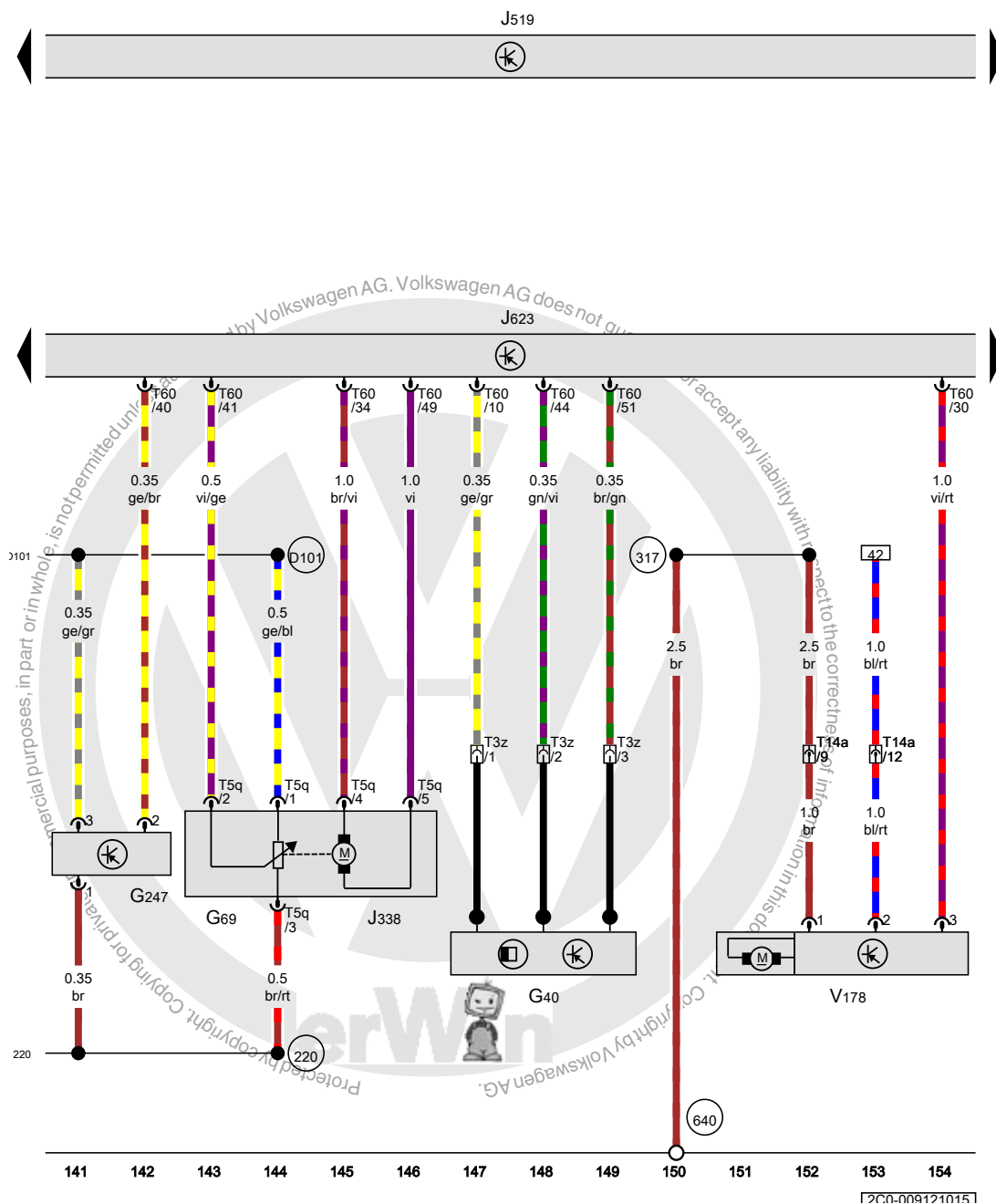


Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

- 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



Hall sender, Throttle valve potentiometer, Fuel pressure sender, Throttle valve module, Onboard supply control unit, Engine control unit, Coolant circulation pump 2

- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector, on front of engine, black
- T5q 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- V178 Coolant circulation pump 2

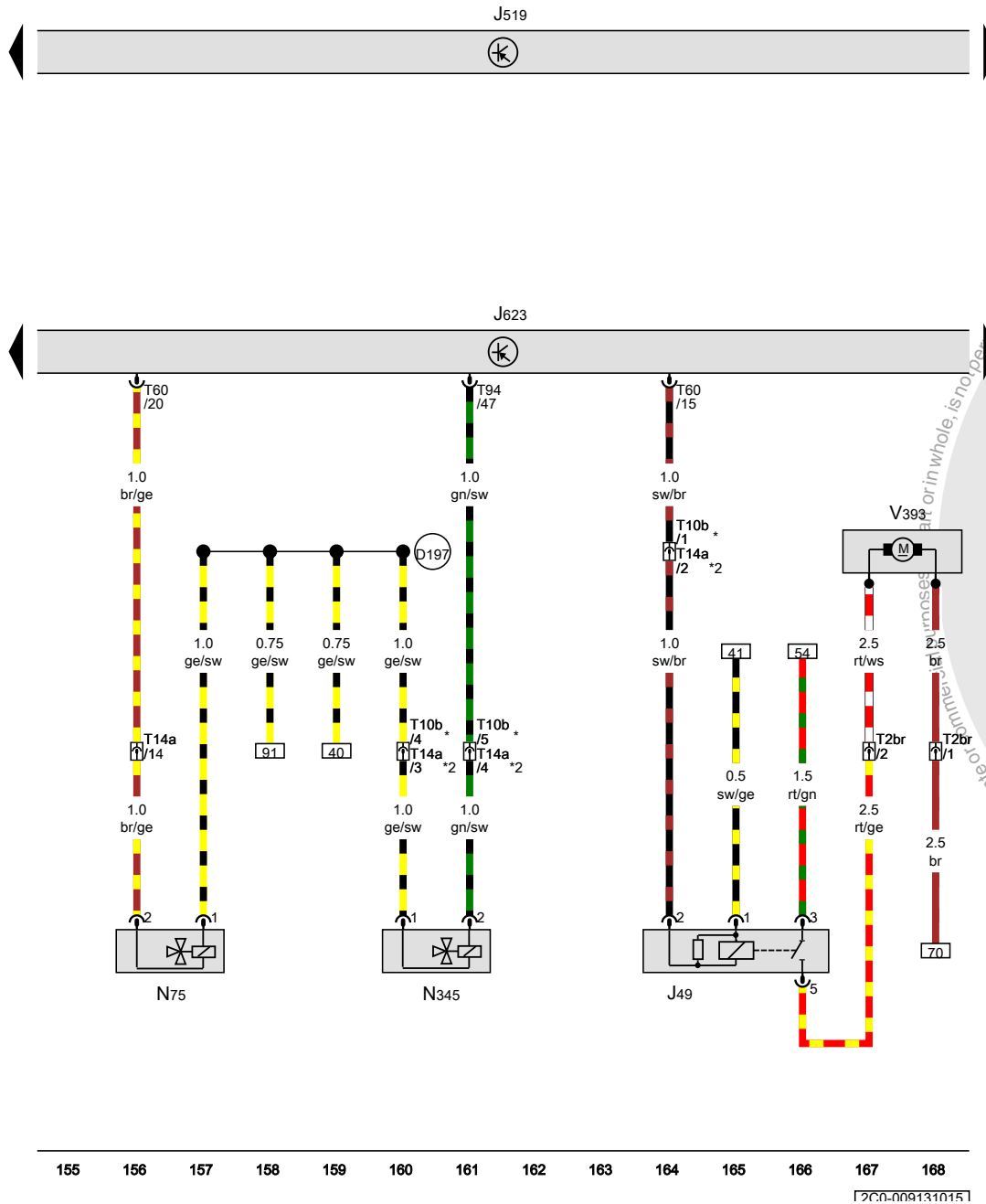
- 220 Earth connection (sender earth), in engine wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D101 Connection 1 in engine compartment wiring harness

Electric fuel pump 2 relay,
Onboard supply control unit,
Engine control unit, Charge pressure control solenoid valve,
Exhaust gas recirculation cooler changeover valve,
Supplementary fuel pump

- J49 Electric fuel pump 2 relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2br 2-pin connector, in rear right of engine compartment, black
- T10b 10-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- V393 Supplementary fuel pump

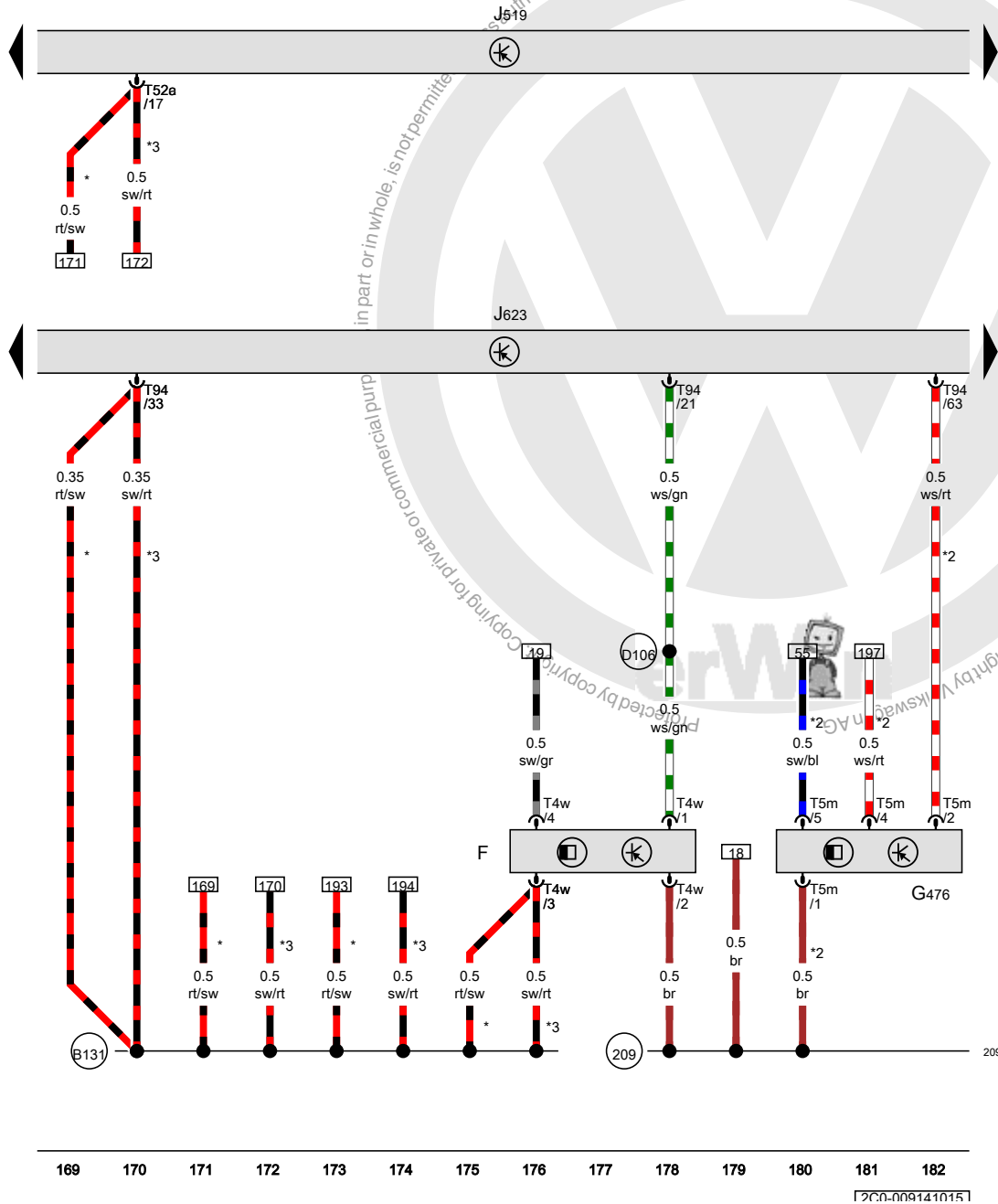
D197 Connection 5 (87a) in engine compartment wiring harness

* Up to April 2011
*2 From May 2011



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

17C0-009131015



Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

209 Earth connection 6, in engine compartment wiring harness

B131 Connection (54), in interior wiring harness

D106 Connection 4 in engine compartment wiring harness

- * Up to April 2011
- *2 Only models with manual gearbox
- *3 From May 2011

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

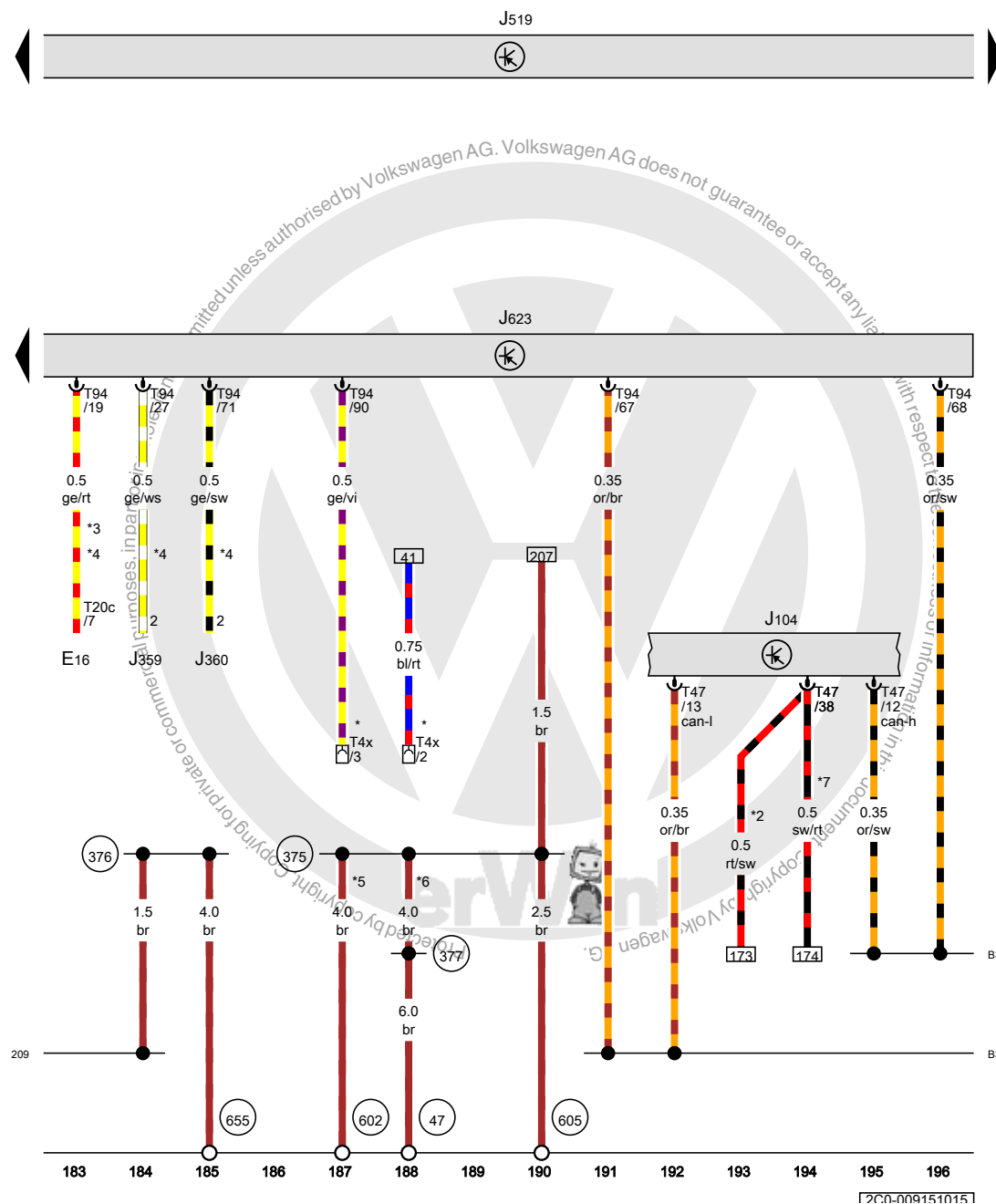
Onboard supply control unit, Engine control unit

- E16 Heater/heat output switch
- J104 ABS control unit
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4x 4-pin connector, on radiator fan, bottom left, black
- T20c 20-pin connector, black
- T47 47-pin connector
- T94 94-pin connector

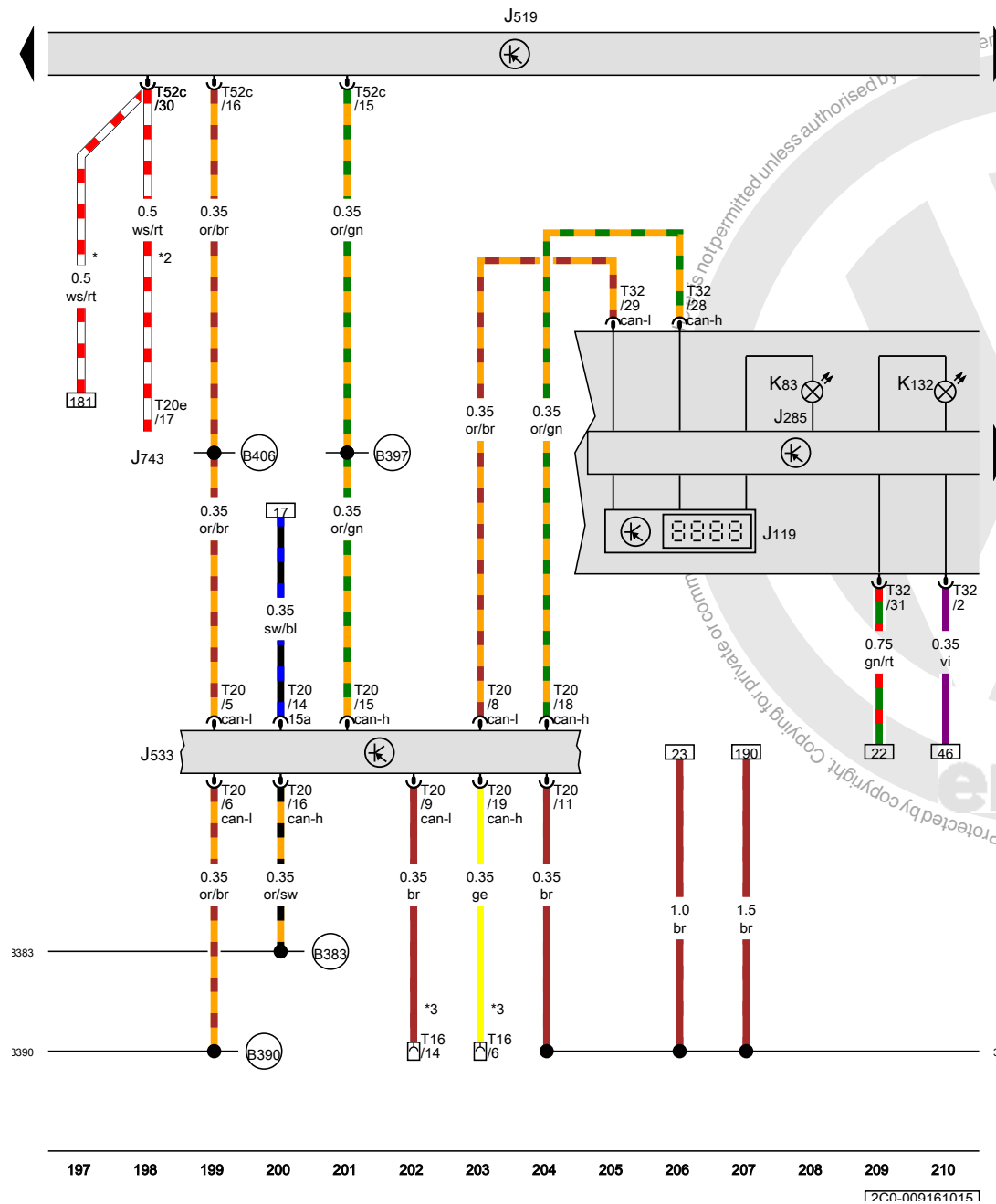
- 47 Earth point, in front right footwell
- 209 Earth connection 6, in engine compartment wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Radiator fan connection
- *2 Up to April 2011
- *3 Only models with no air conditioning system
- *4 Only models with auxiliary air heater
- *5 Only left-hand drive models
- *6 Only right-hand drive models
- *7 From May 2011

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

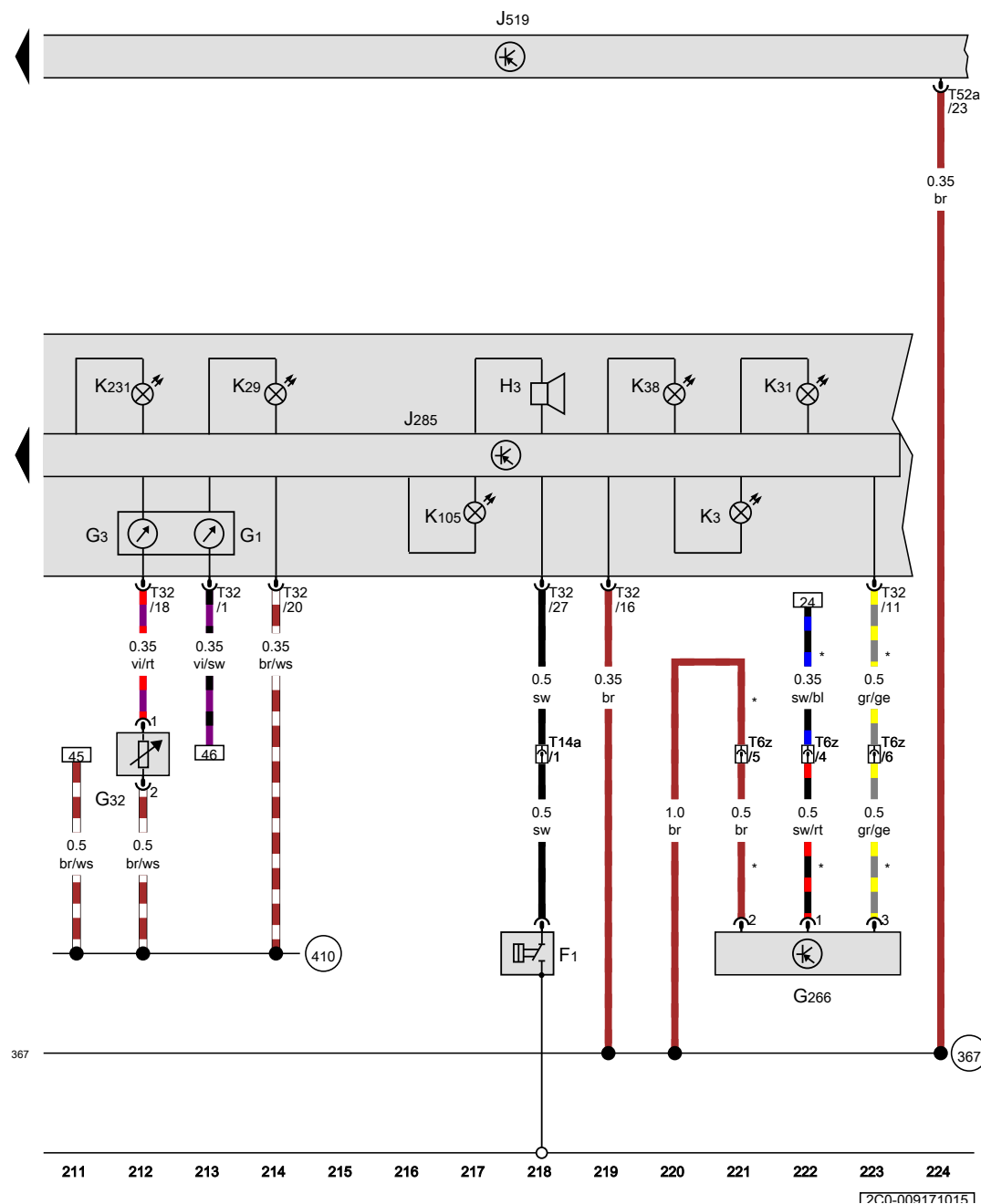


**Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface**



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- K83 Exhaust emissions warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T20e 20-pin connector, black
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with manual gearbox
- *2 Only models with dual clutch gearbox (DSG)
- *3 Diagnostic connection



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

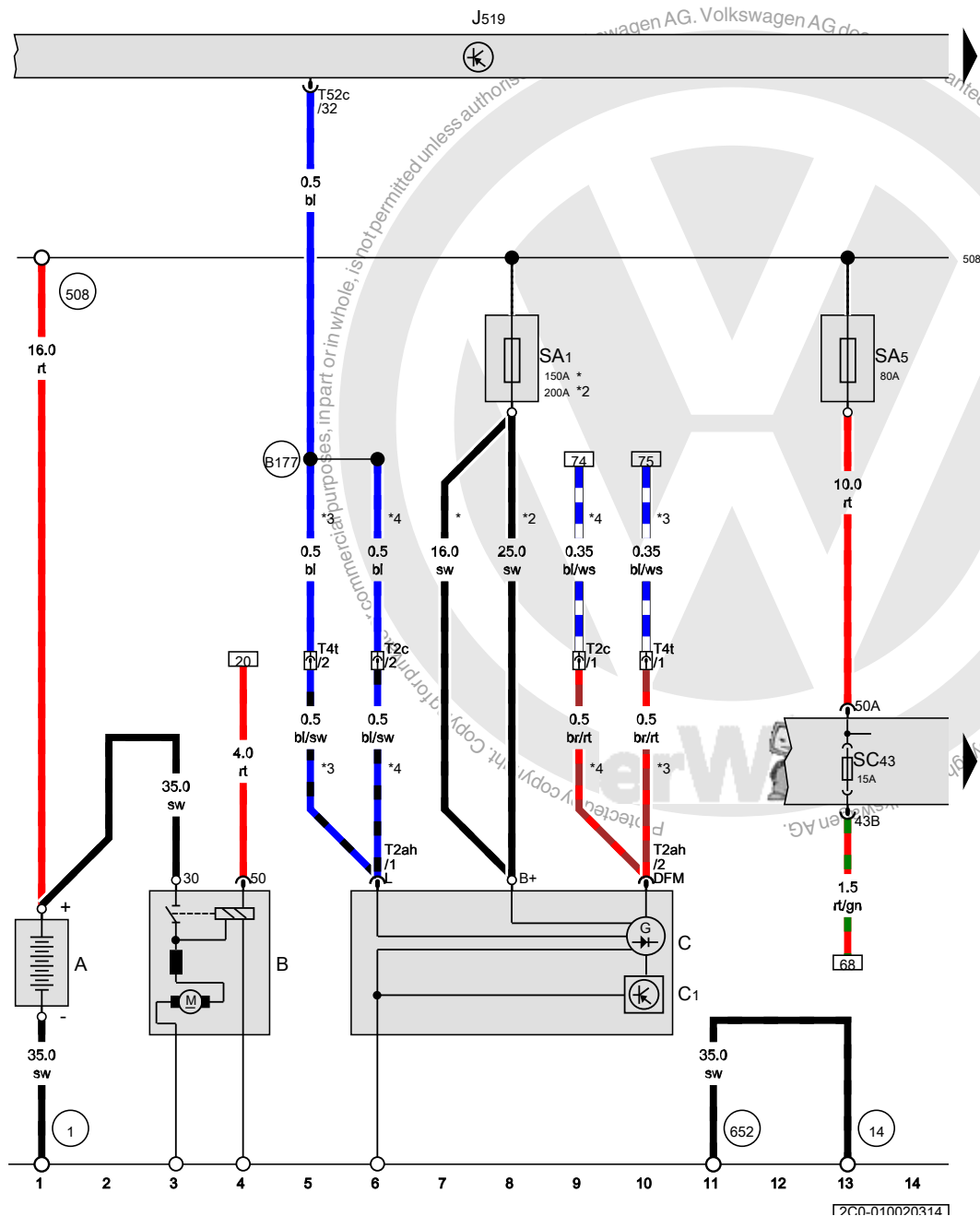
* Only models with flexible service interval display

- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

2.0l petrol engine , BSX

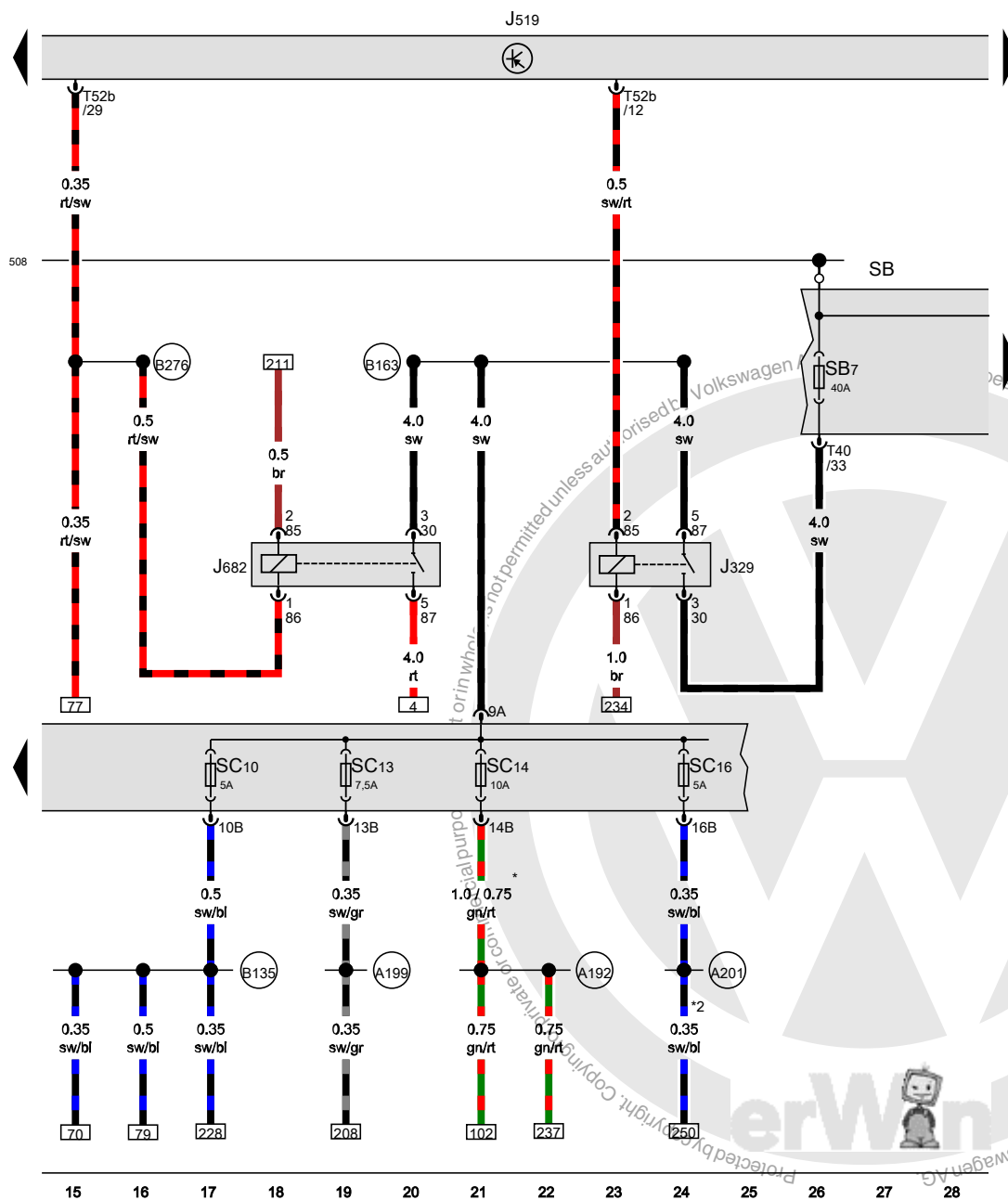
From August 2010





Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system



Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white

508 Threaded connection (30) on E-box

A192 Positive connection 3 (15a) in dash panel wiring harness

A199 Positive connection 4 (15a) in dash panel wiring harness

A201 Positive connection 6 (15a) in dash panel wiring harness

B135 Connection 1 (15a), in interior wiring harness

B163 Positive connection 1 (15), in interior wiring harness

B276 Positive connection (50), in main wiring harness

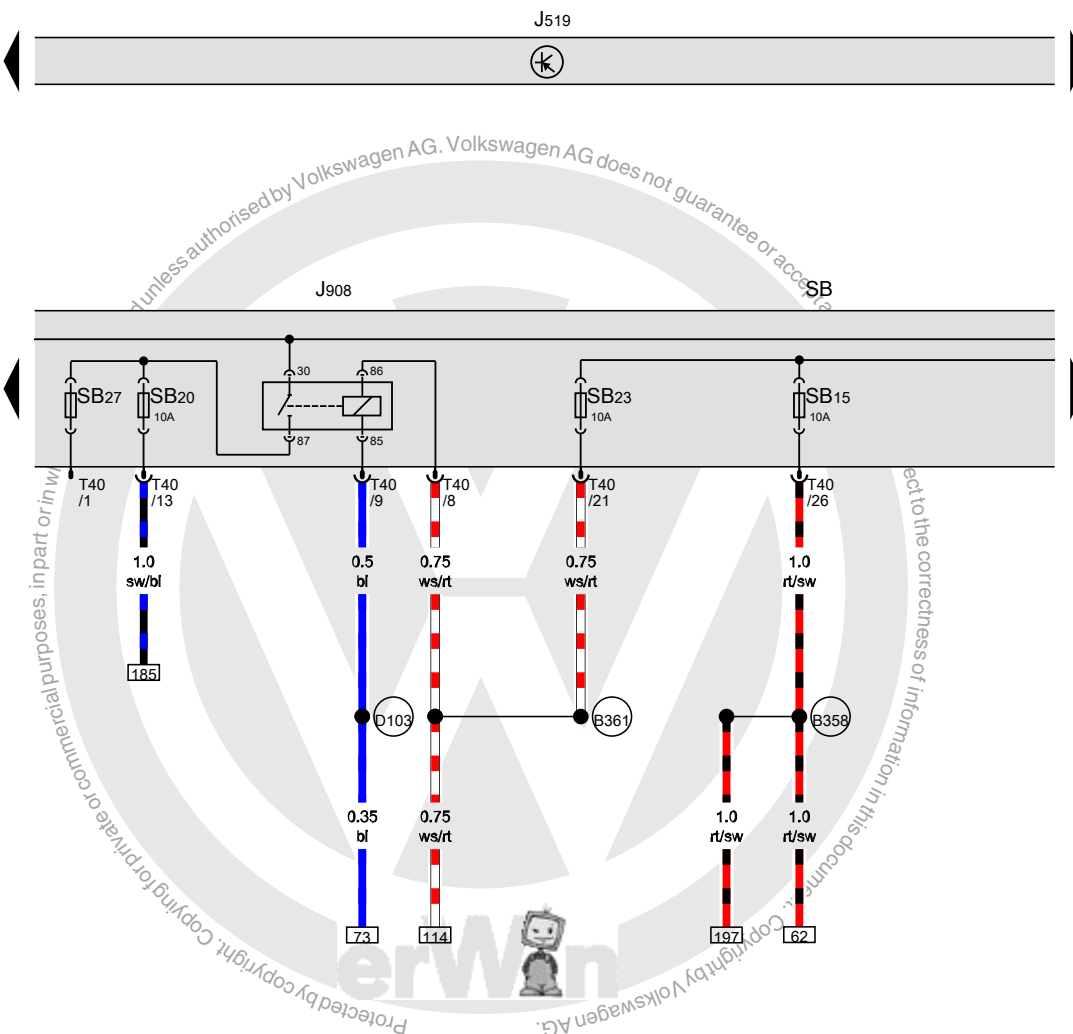
From May 2011

Only models with flexible service interval display

Onboard supply control unit, Relay for gas shut-off valves,
Fuse holder B

- J519 Onboard supply control unit
- J908 Relay for gas shut-off valves
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T40 40-pin connector

- (B358) Positive connection 9 (87a) in main wiring harness
- (B361) Positive connection 12 (87a) in main wiring harness
- (D103) Connection 3 in engine compartment wiring harness



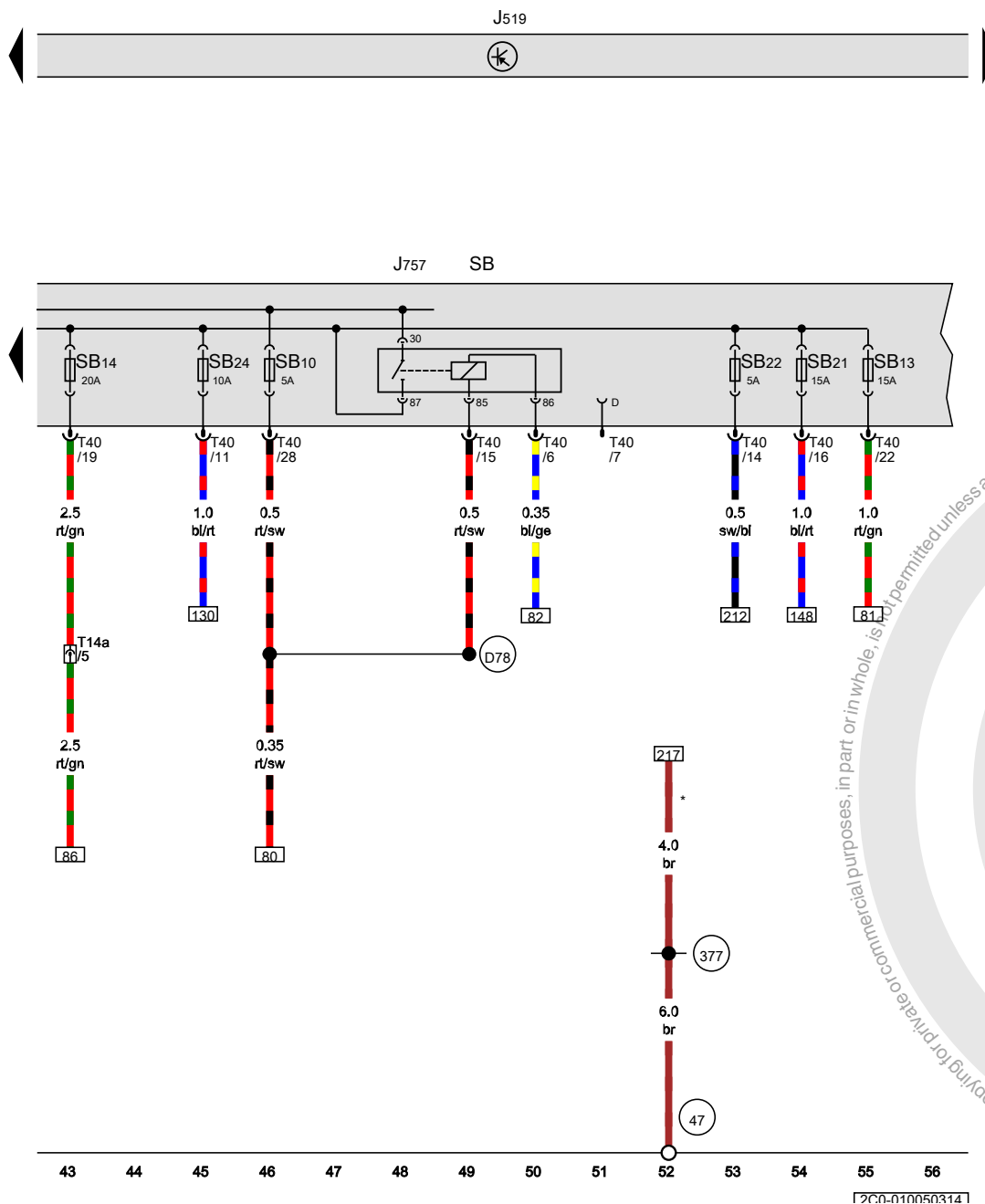
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector

- 47 Earth point, in front right footwell
- 377 Earth connection 12, in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Only right-hand drive models

- 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

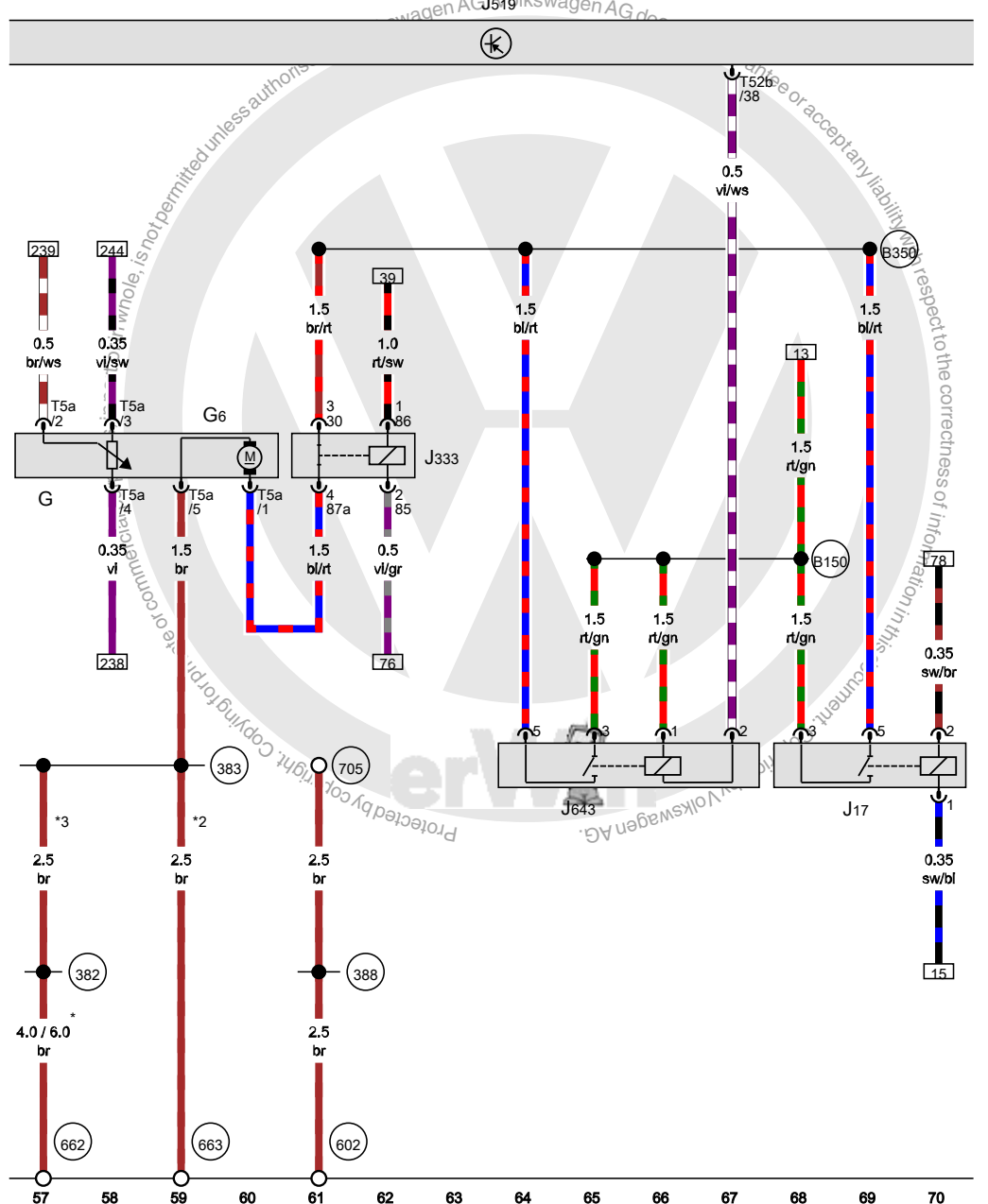


Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuel pump switch-off relay, Onboard supply control unit, Fuel supply relay

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J333 Fuel pump switch-off relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white

- (382) Earth connection 17, in main wiring harness
- (383) Earth connection 18, in main wiring harness
- (388) Earth connection 23, in main wiring harness
- (602) Earth point, in front left footwell
- (662) Earth point, rear left side panel
- (663) Earth point, rear right side panel
- (705) Earth point on fuel tank
- (B150) Positive connection 2 (30a), in interior wiring harness
- (B350) Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment

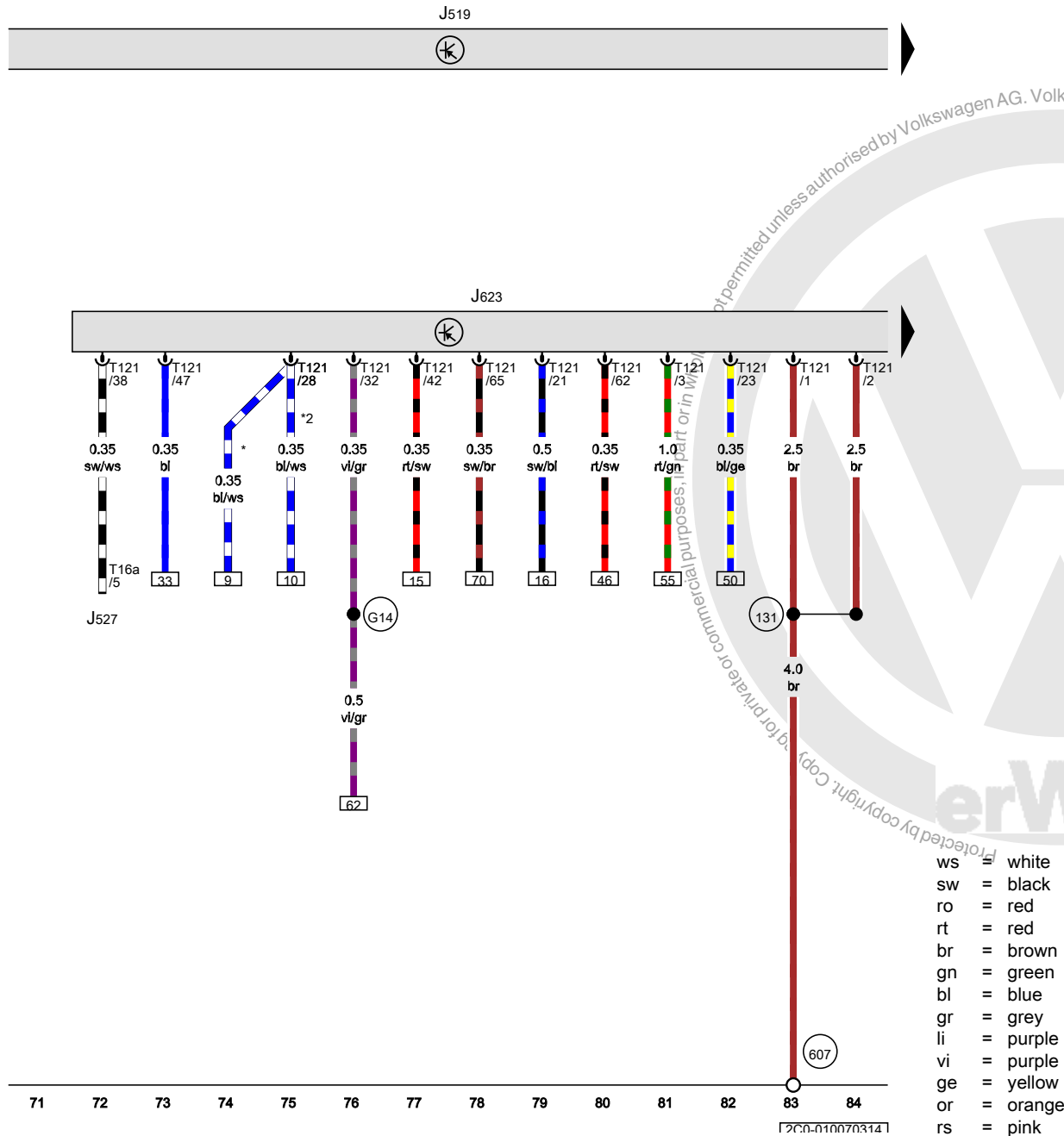
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gn = green
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gr = grey
li = purple
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ge = yellow
or = orange
rs = pink



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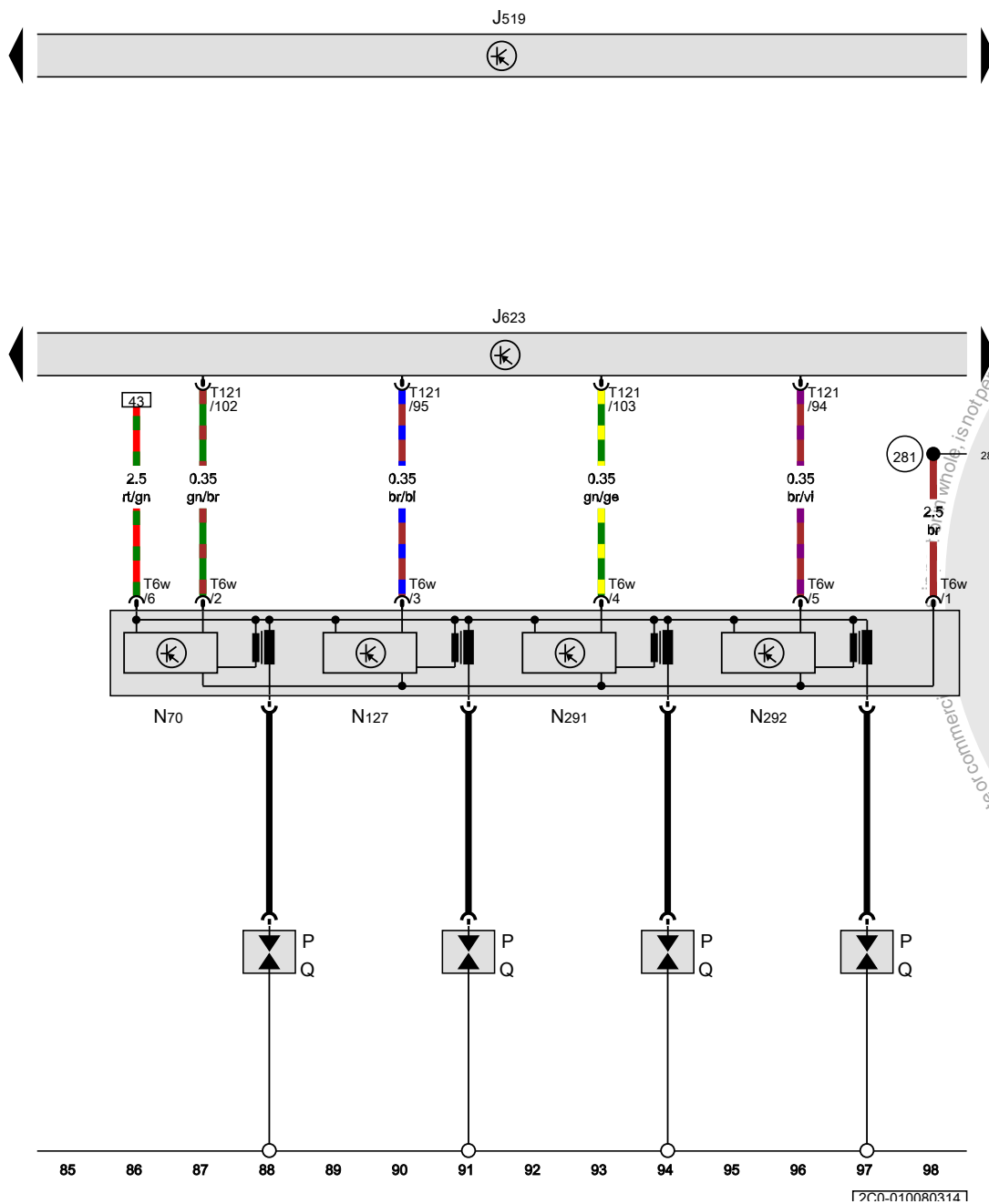
Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T121 121-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 607 Earth point, on left in plenum chamber
- G14 Connection 3 in gas mode wiring harness
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



Onboard supply control unit, Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plugs

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T6w 6-pin connector, black
- T121 121-pin connector
- 281 Earth point 1, engine prewiring harness



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

Throttle valve module, Onboard supply control unit, Engine control unit, Heater element for crankcase breather, Activated charcoal filter solenoid valve 1

G186	Throttle valve drive for electric throttle
G187	Throttle valve drive angle sender 1 for electric throttle
G188	Throttle valve drive angle sender 2 for electric throttle
J338	Throttle valve module
J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
N79	Heater element for crankcase breather
N80	Activated charcoal filter solenoid valve 1
T6t	6-pin connector, black
T14a	14-pin connector, near left headlight, black
T121	121-pin connector

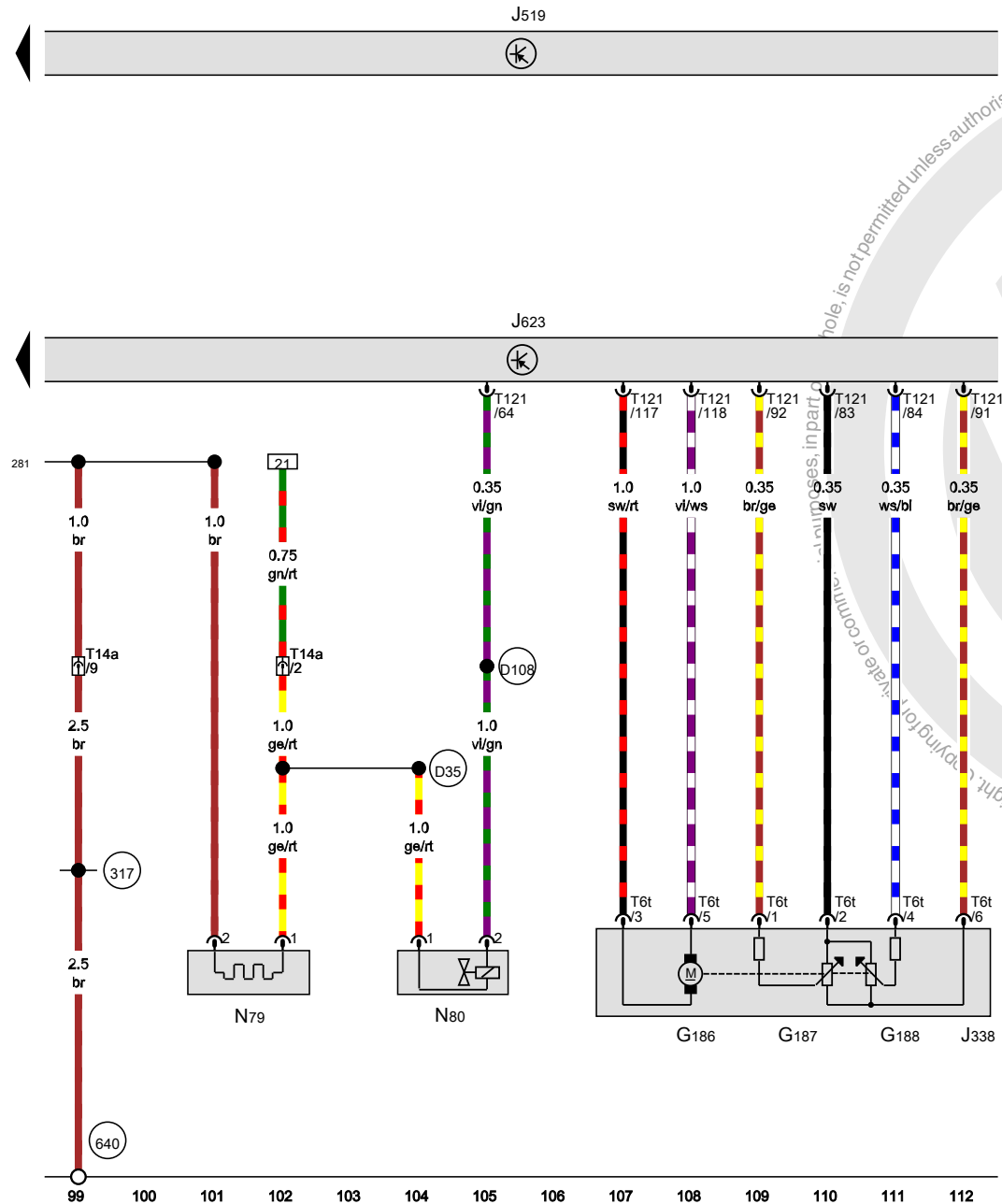
(281) Earth point 1, engine prewiring harness

(317) Earth connection 7, in engine compartment wiring harness

(640) Earth point 2, left in engine compartment

(D35) Positive connection 1 (15a) in engine prewiring harness

(D108) Connection 6 in engine compartment wiring harness



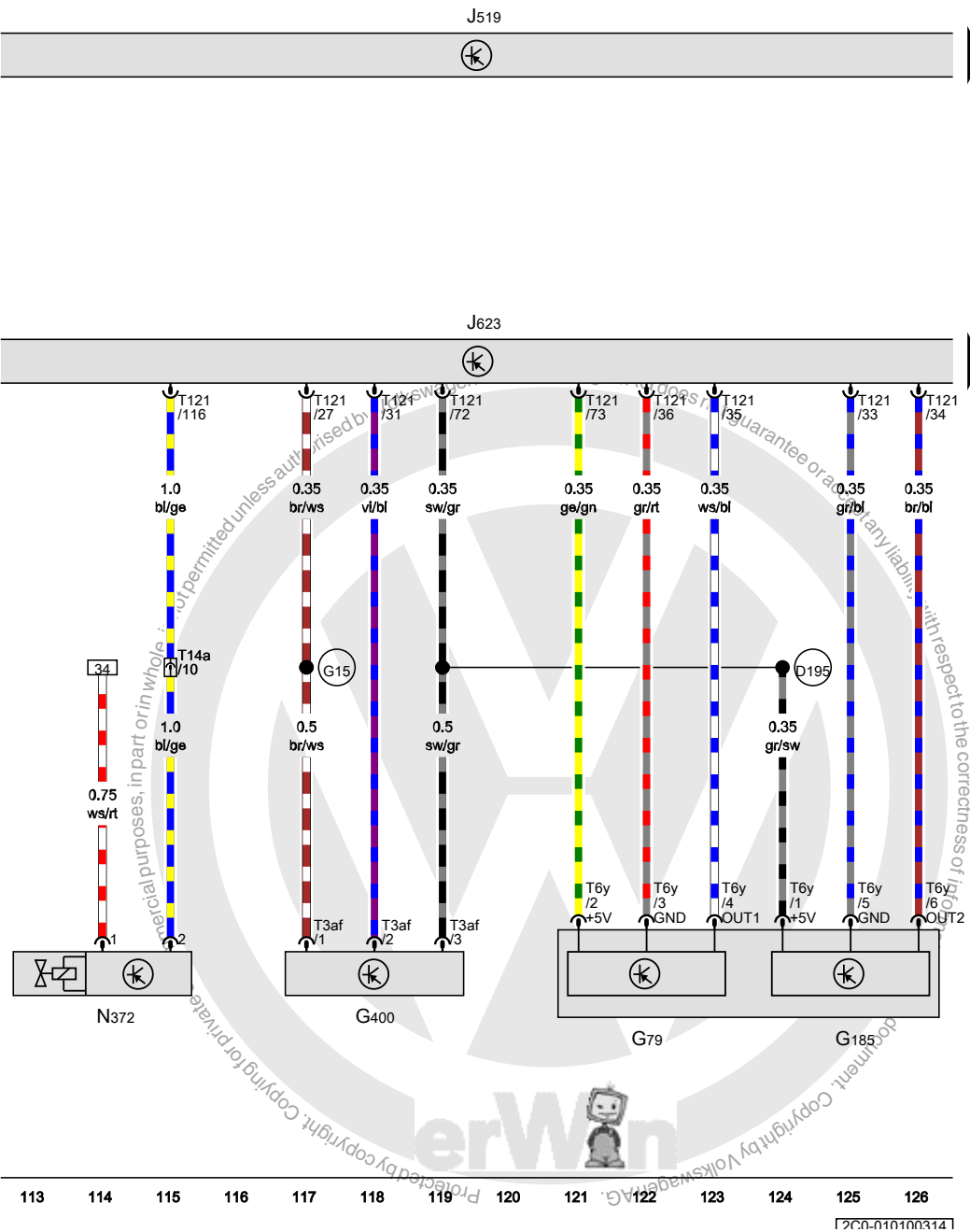
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sw = black
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bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Accelerator position sender, Accelerator position sender 2, Tank pressure sensor, Onboard supply control unit, Engine control unit, High-pressure valve for gas mode

- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G400 Tank pressure sensor
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N372 High-pressure valve for gas mode
- T3af 3-pin connector, black
- T6y 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

D195 Connection 1 (5V) in engine compartment wiring harness

G15 Connection 4 in gas mode wiring harness



Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T4x 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

D95 Connection (injectors), in engine compartment wiring harness

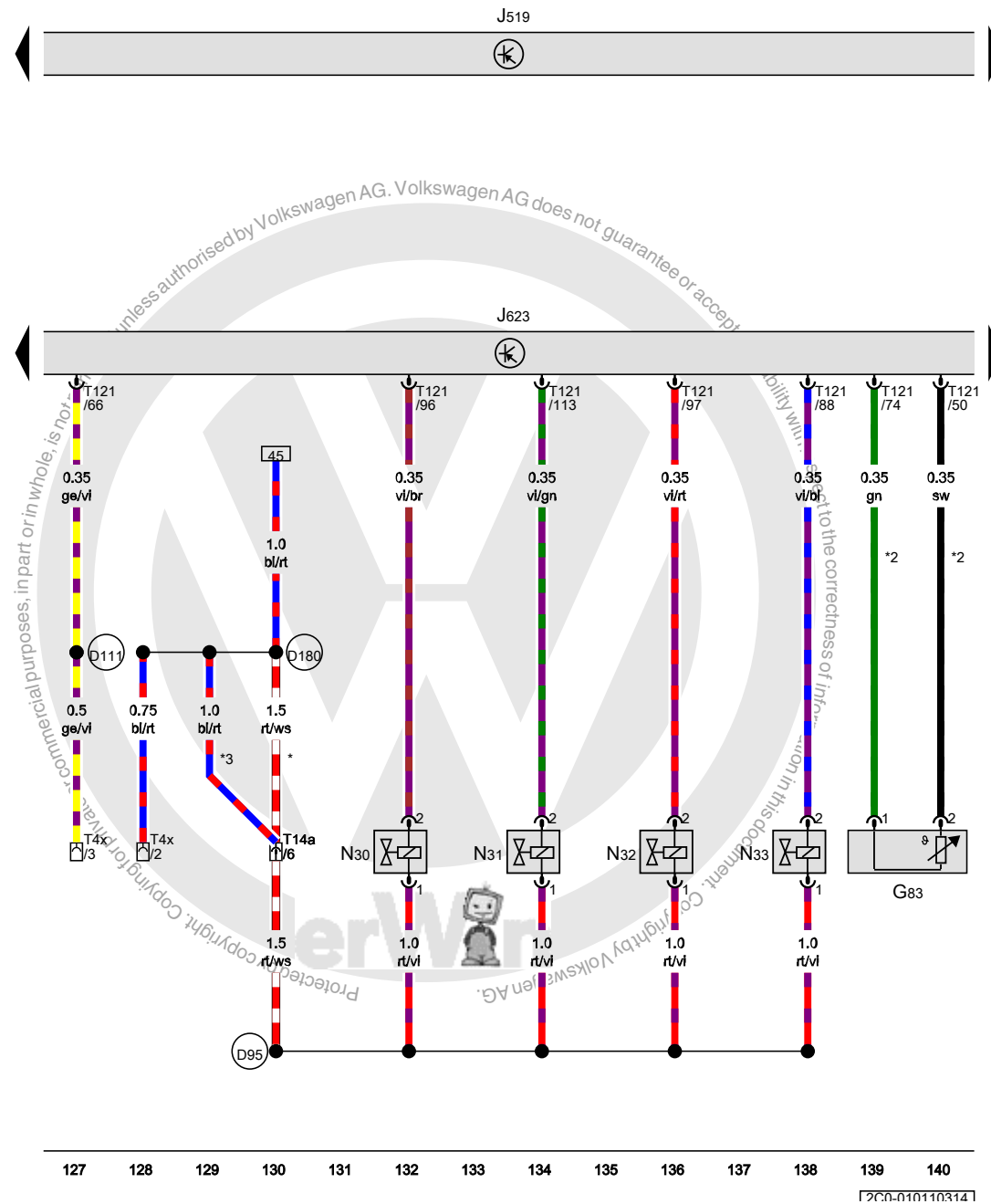
D111 Connection 9 in engine compartment wiring harness

D180 Connection (87a), in engine compartment wiring harness

* From May 2011

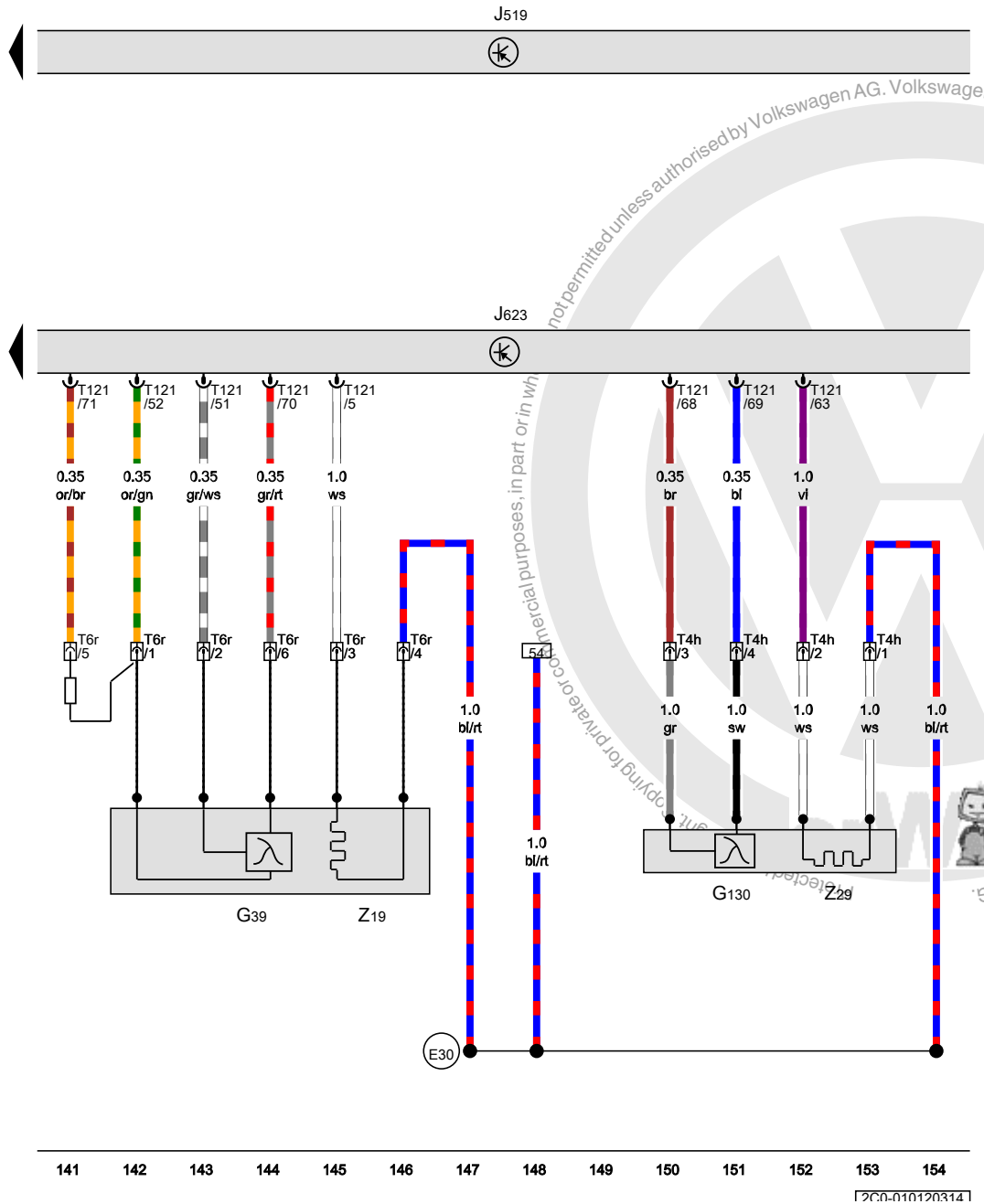
*2 Only models with air conditioning system

*3 Up to April 2011



Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



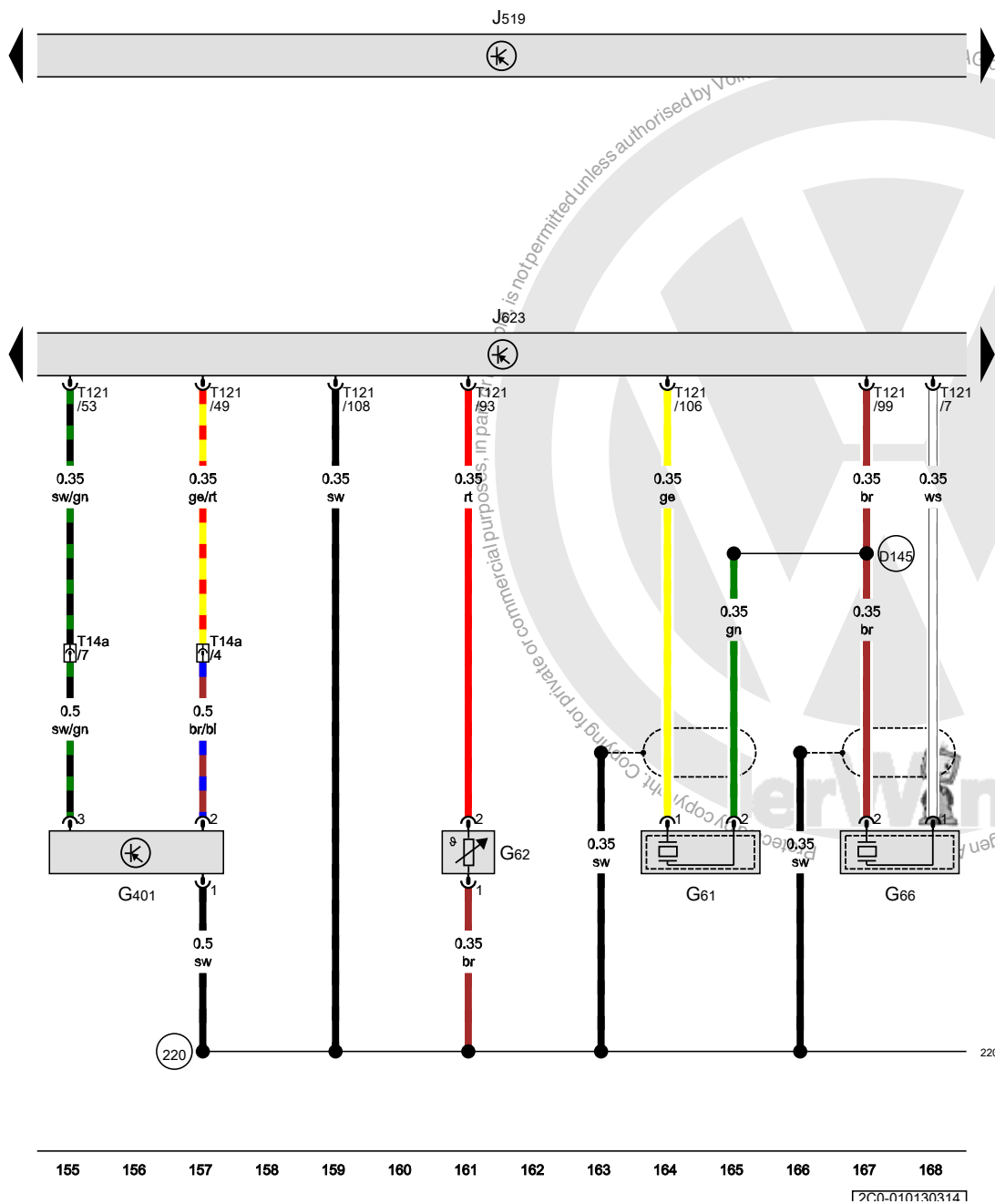
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- ge = yellow
- or = orange
- rs = pink

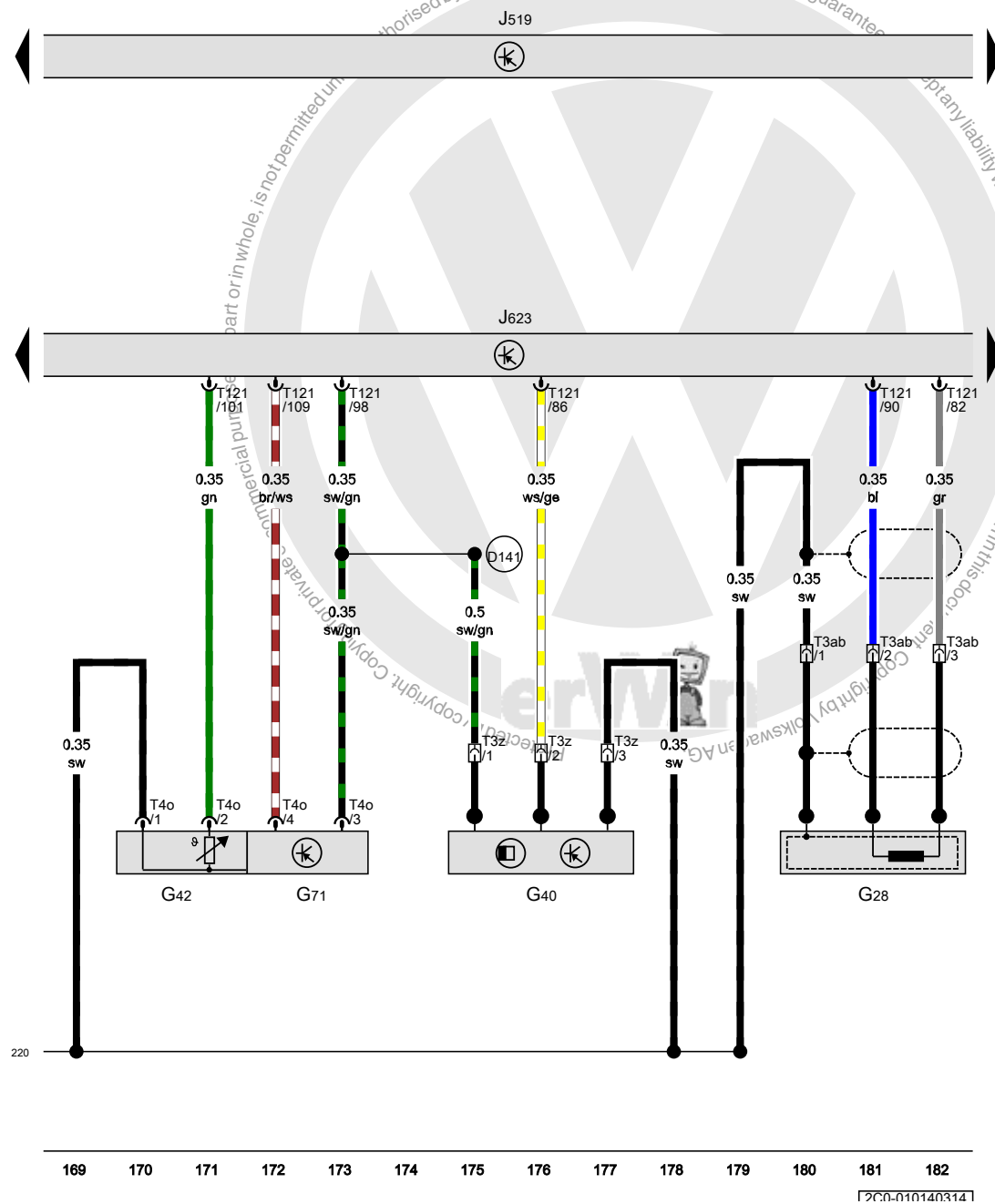
Knock sensor 1, Coolant temperature sender, Knock sensor 2, Gas rail sensor, Onboard supply control unit, Engine control unit

- G61 Knock sensor 1
- G62 Coolant temperature sender
- G66 Knock sensor 2
- G401 Gas rail sensor
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

220 Earth connection (sender earth), in engine wiring harness

D145 Connection (knock sensors), in engine prewiring harness





Engine speed sender, Hall sender, Intake air temperature sender, Intake manifold pressure sender, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T3z 3-pin connector, on front of engine, black
- T4o 4-pin connector, black
- T121 121-pin connector

220 Earth connection (sender earth), in engine wiring harness

D141 Connection (5V) in engine prewiring harness

* Radiator fan connection

- 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

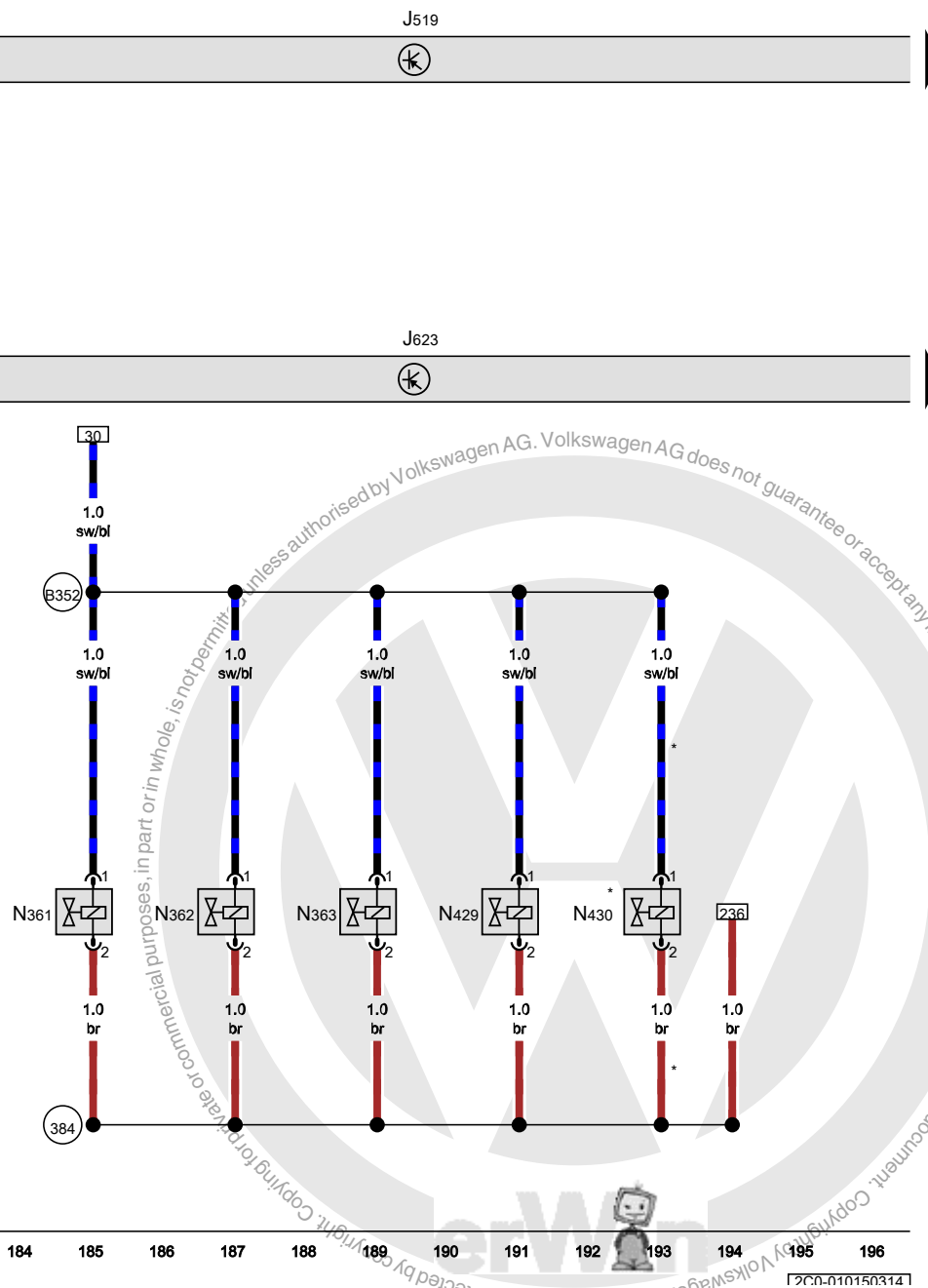
Onboard supply control unit, Engine control unit, Fuel tank shut-off valve 1, Fuel tank shut-off valve 2, Fuel tank shut-off valve 3, Fuel tank shut-off valve 4, Fuel tank shut-off valve 5

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- N363 Fuel tank shut-off valve 3
- N429 Fuel tank shut-off valve 4
- N430 Fuel tank shut-off valve 5

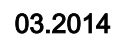
384 Earth connection 19, in main wiring harness

B352 Positive connection 3 (87a) in main wiring harness

* Only Caddy Maxi



- 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



Clutch position sender, Onboard supply control unit, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5m 5-pin connector, black
- T47 47-pin connector
- T52c 52-pin connector, brown
- T121 121-pin connector

209 Earth connection 6, in engine compartment wiring harness

375 Earth connection 10, in main wiring harness

376 Earth connection 11, in main wiring harness

602 Earth point, in front left footwell

605 Earth point, on top end of steering column

655 Earth point, on left headlight

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

D109 Connection 7 in engine compartment wiring harness

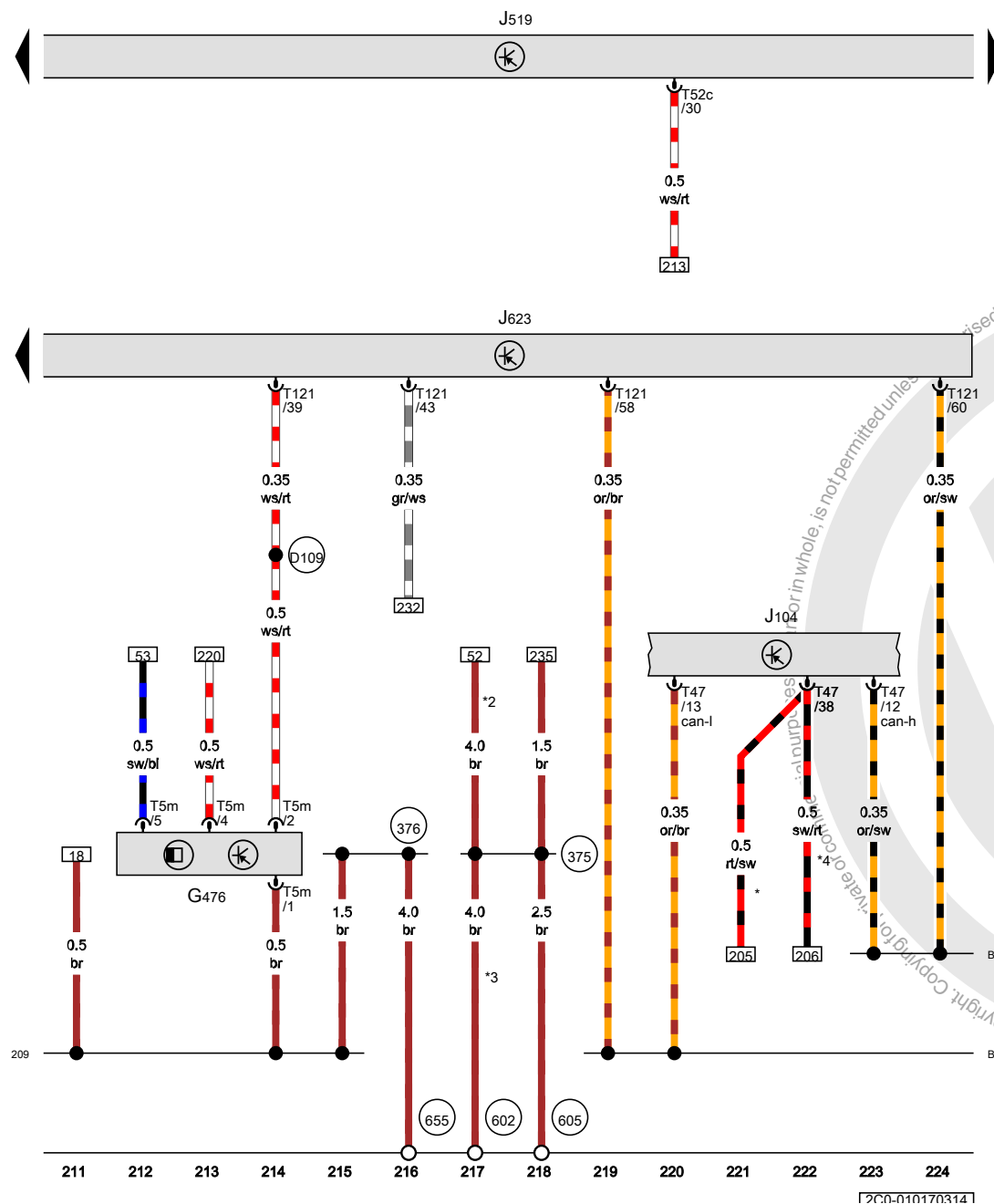
* Up to April 2011

*2 Only right-hand drive models

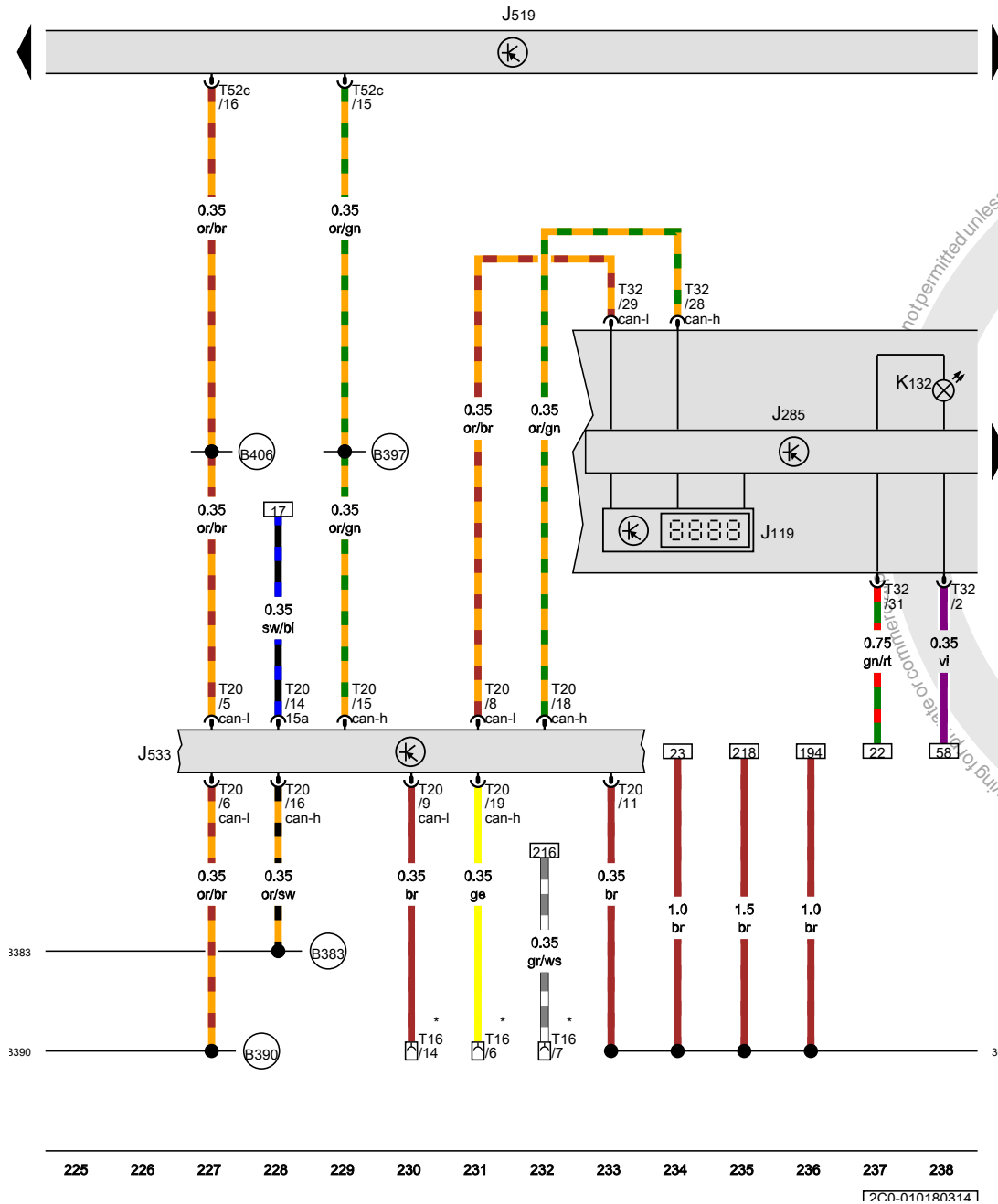
*3 Only left-hand drive models

*4 From May 2011

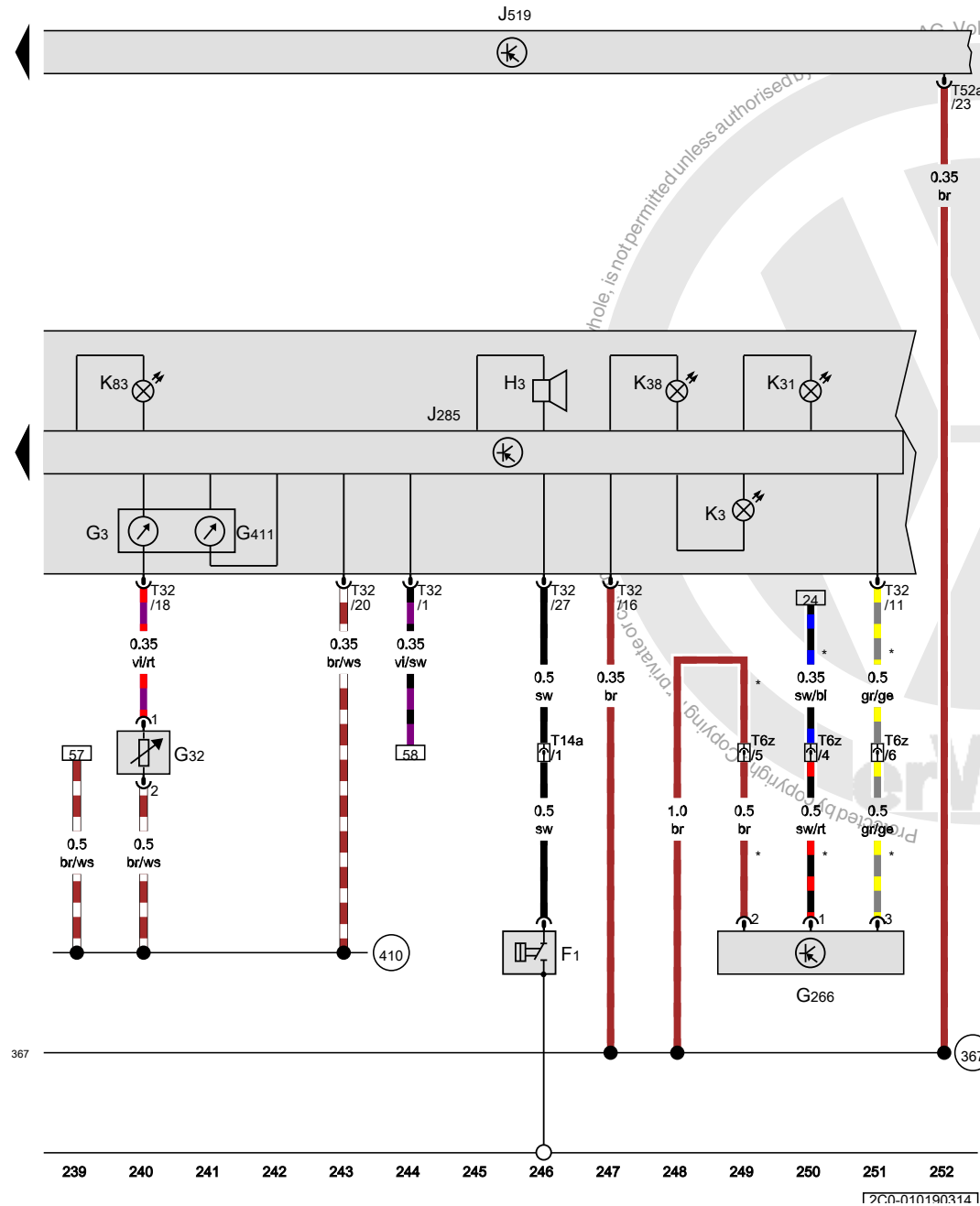
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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
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li = purple
vi = purple
ge = yellow
or = orange
rs = pink



Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



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



Oil pressure switch, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Natural gas gauge, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- G411 Natural gas gauge
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- T6z 6-pin connector, near left headlight
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

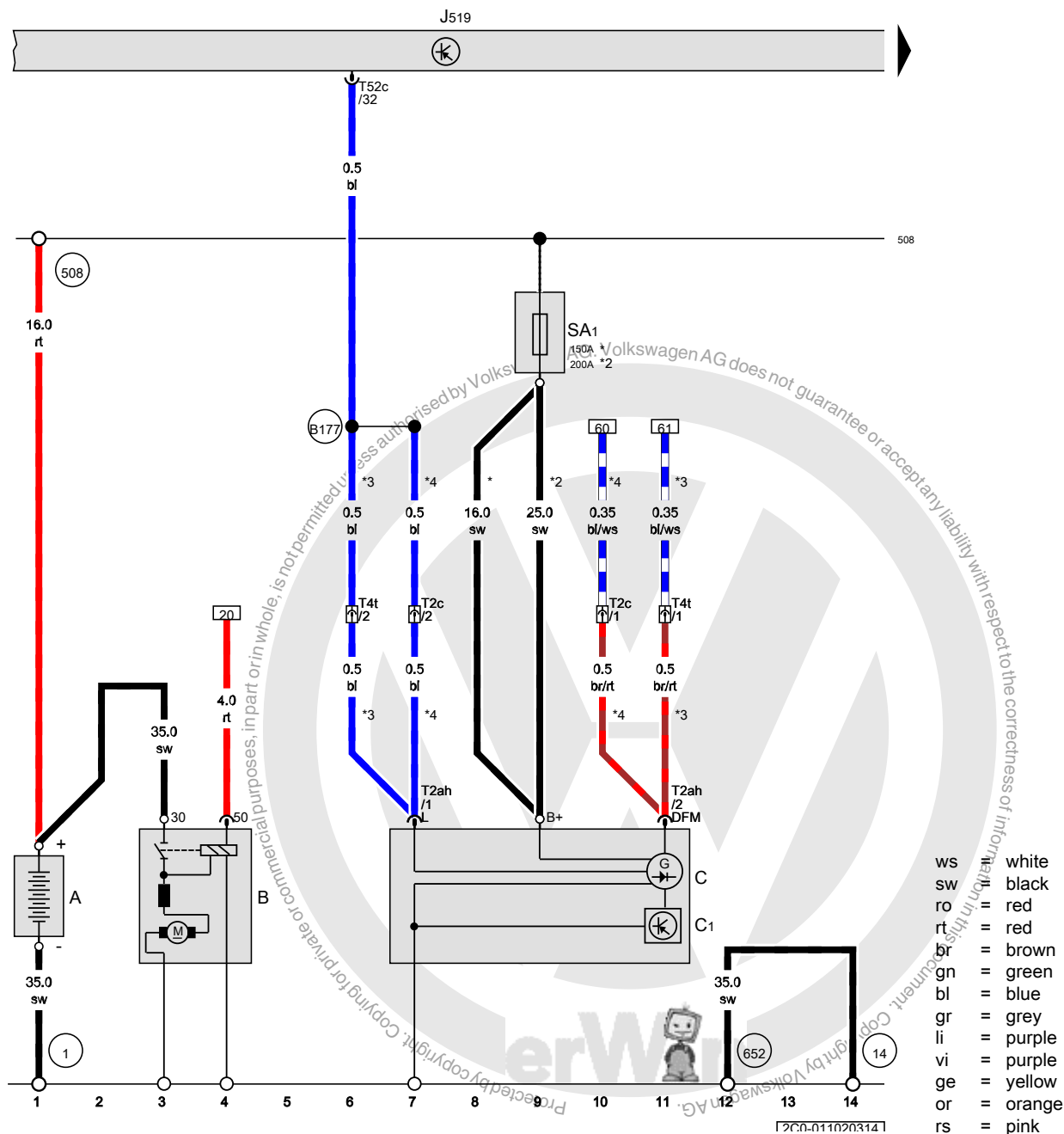
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.2l petrol engine , CBZA, CBZB

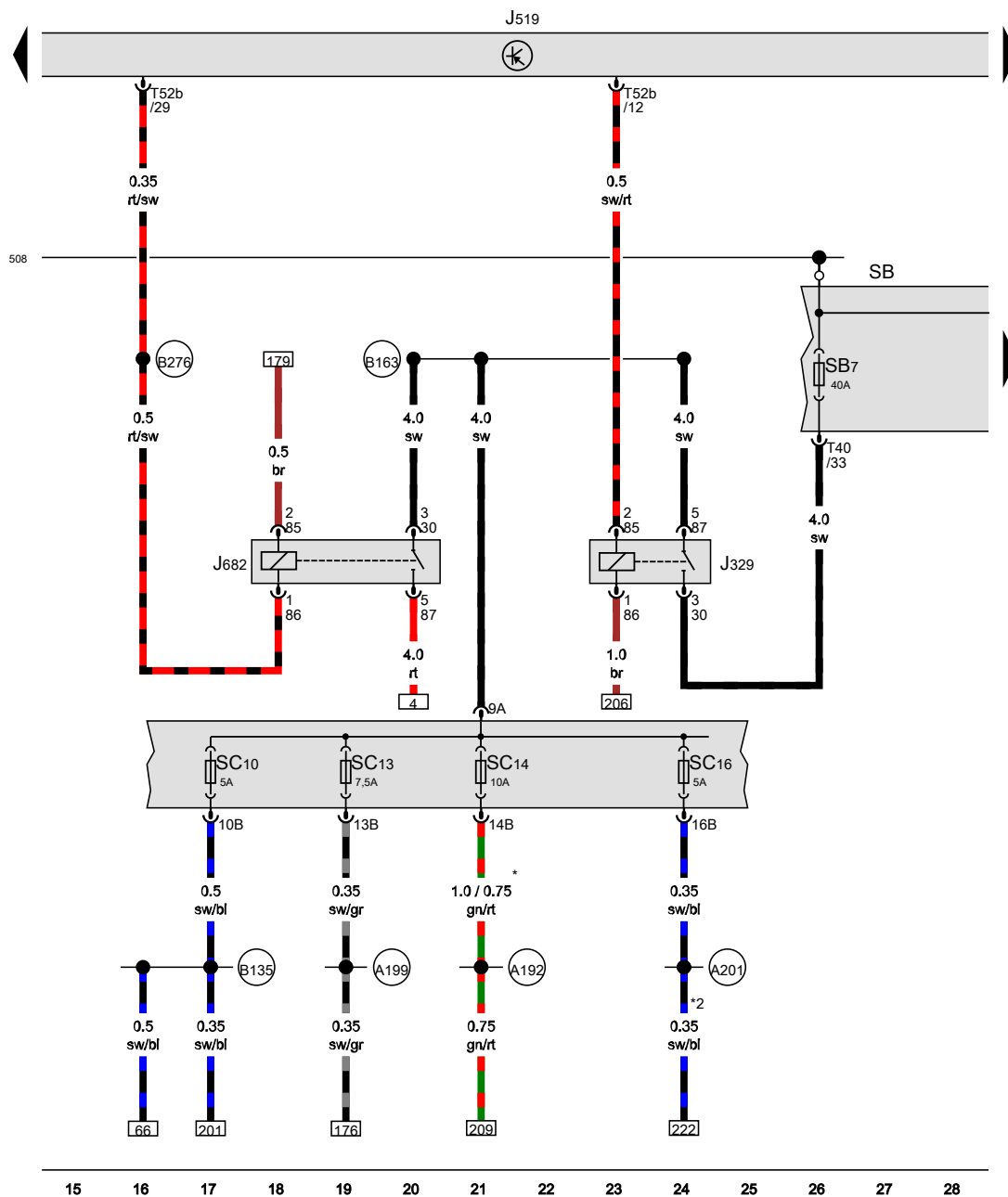
From August 2010



Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system



Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15) in interior wiring harness
- B276 Positive connection (50), in main wiring harness

* From May 2011

*2 Only models with flexible service interval display

- 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

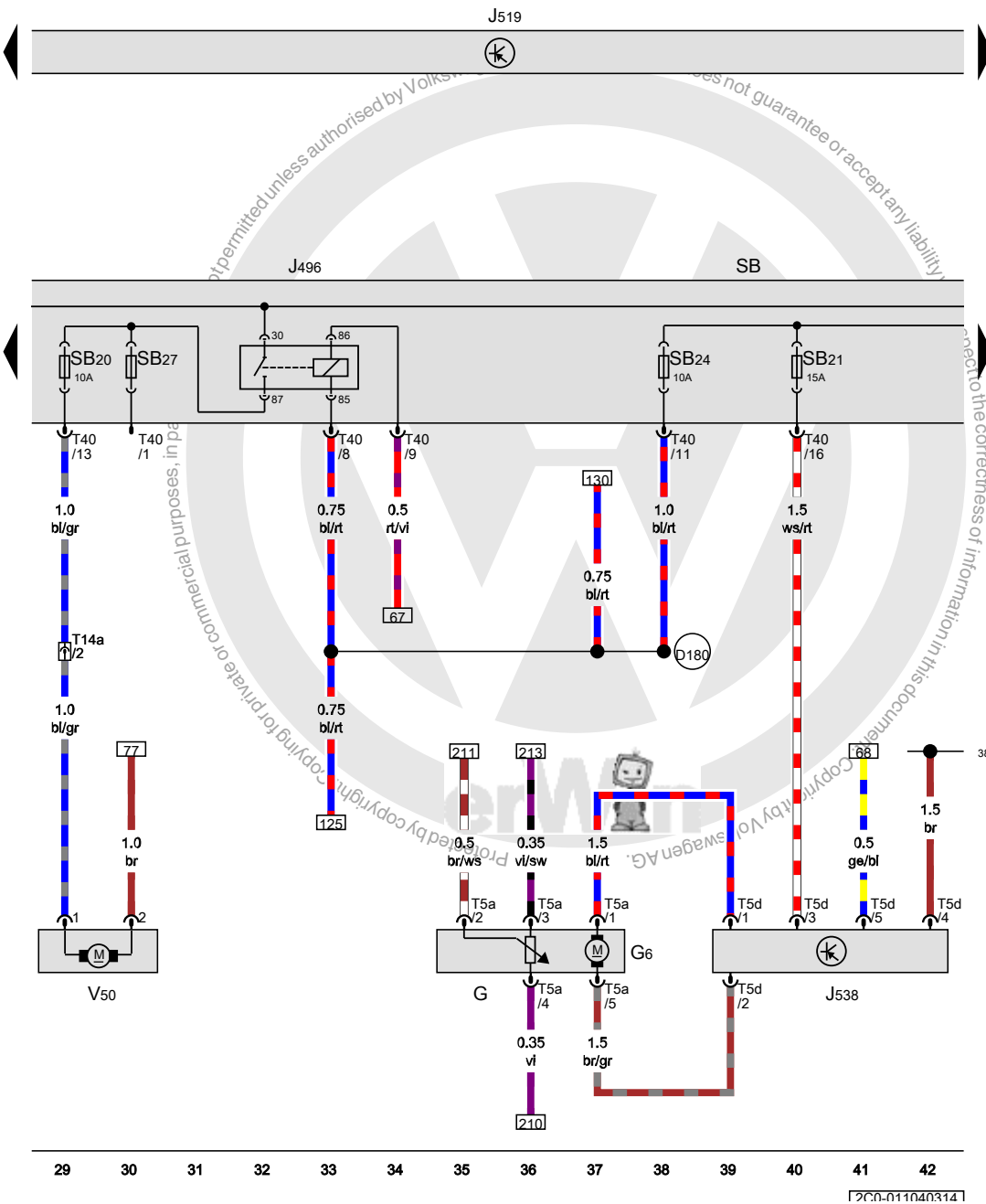
12C0-0110303141

Fuel gauge sender, Fuel system pressurisation pump, Additional coolant pump relay, Onboard supply control unit, Fuel pump control unit, Fuse holder B, Coolant circulation pump

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T5a 5-pin connector, black
- T5d 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- V50 Coolant circulation pump

383 Earth connection 18, in main wiring harness

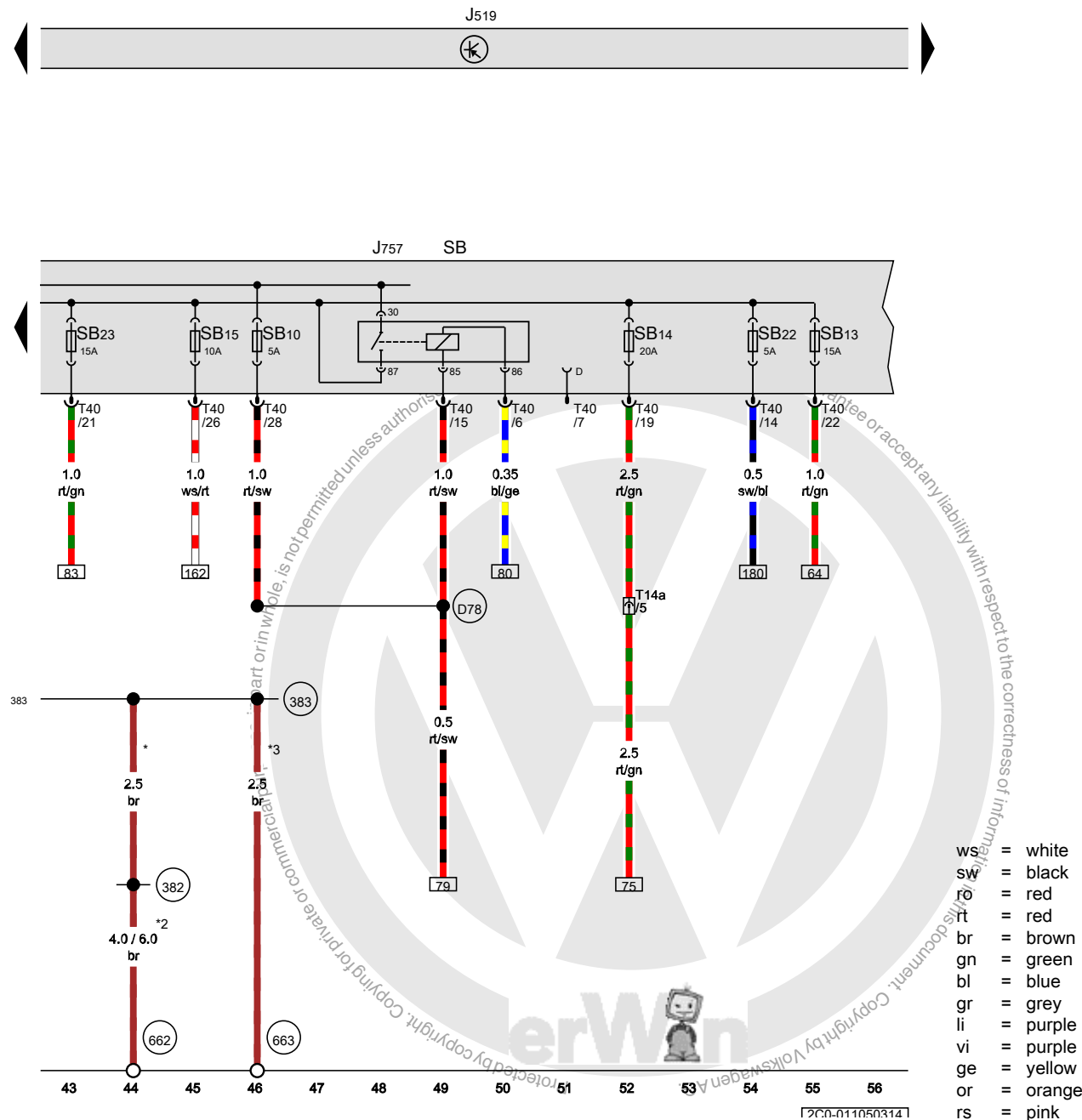
D180 Connection (87a), in engine compartment wiring harness



- 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

Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Only models with basic equipment
- *2 According to equipment
- *3 Optional equipment

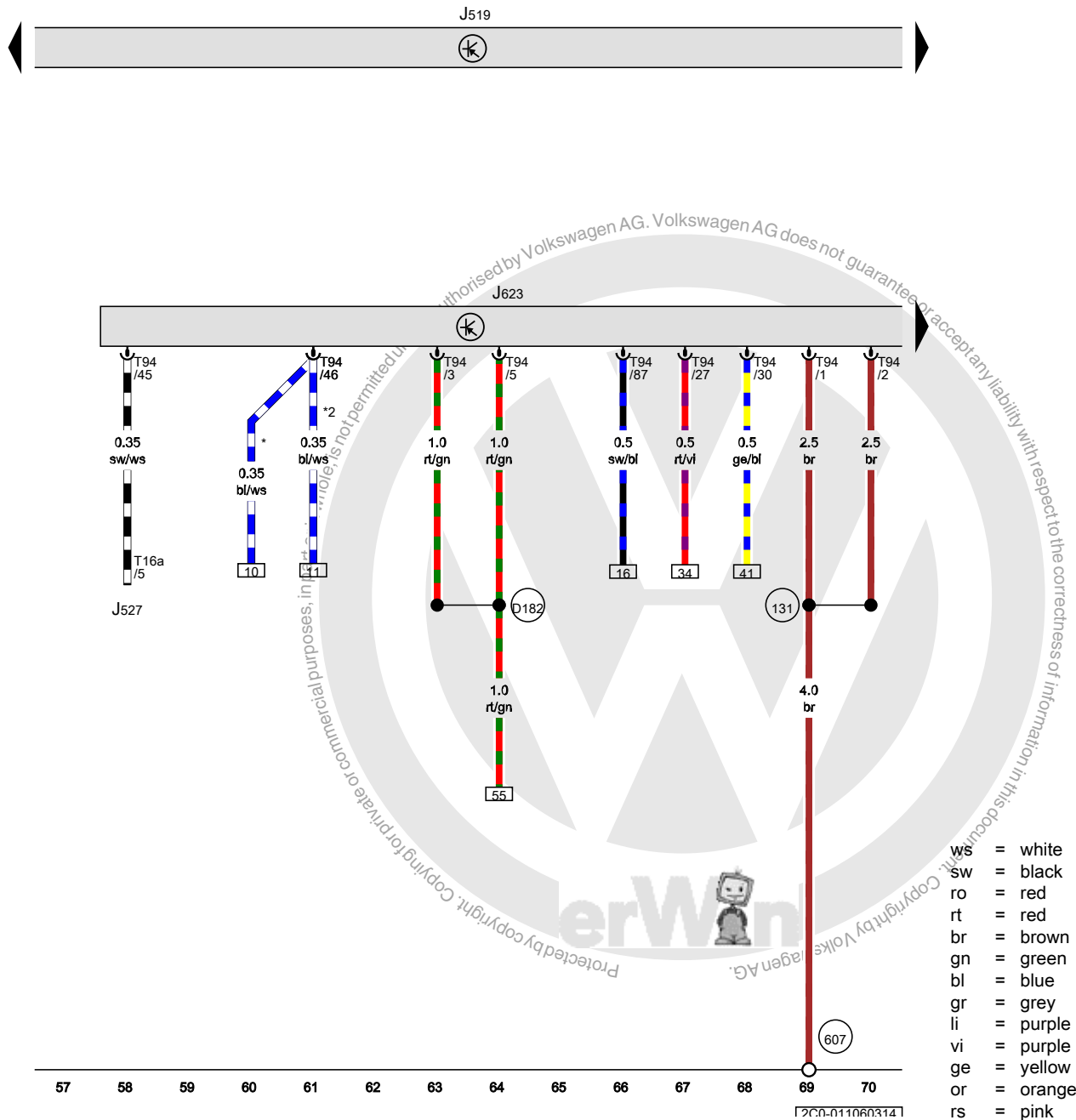


Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T94 94-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 607 Earth point, on left in plenum chamber
- D182 Connection 3 (87a) in engine compartment wiring harness

- * Only models with no air conditioning system
- *2 Only models with air conditioning system



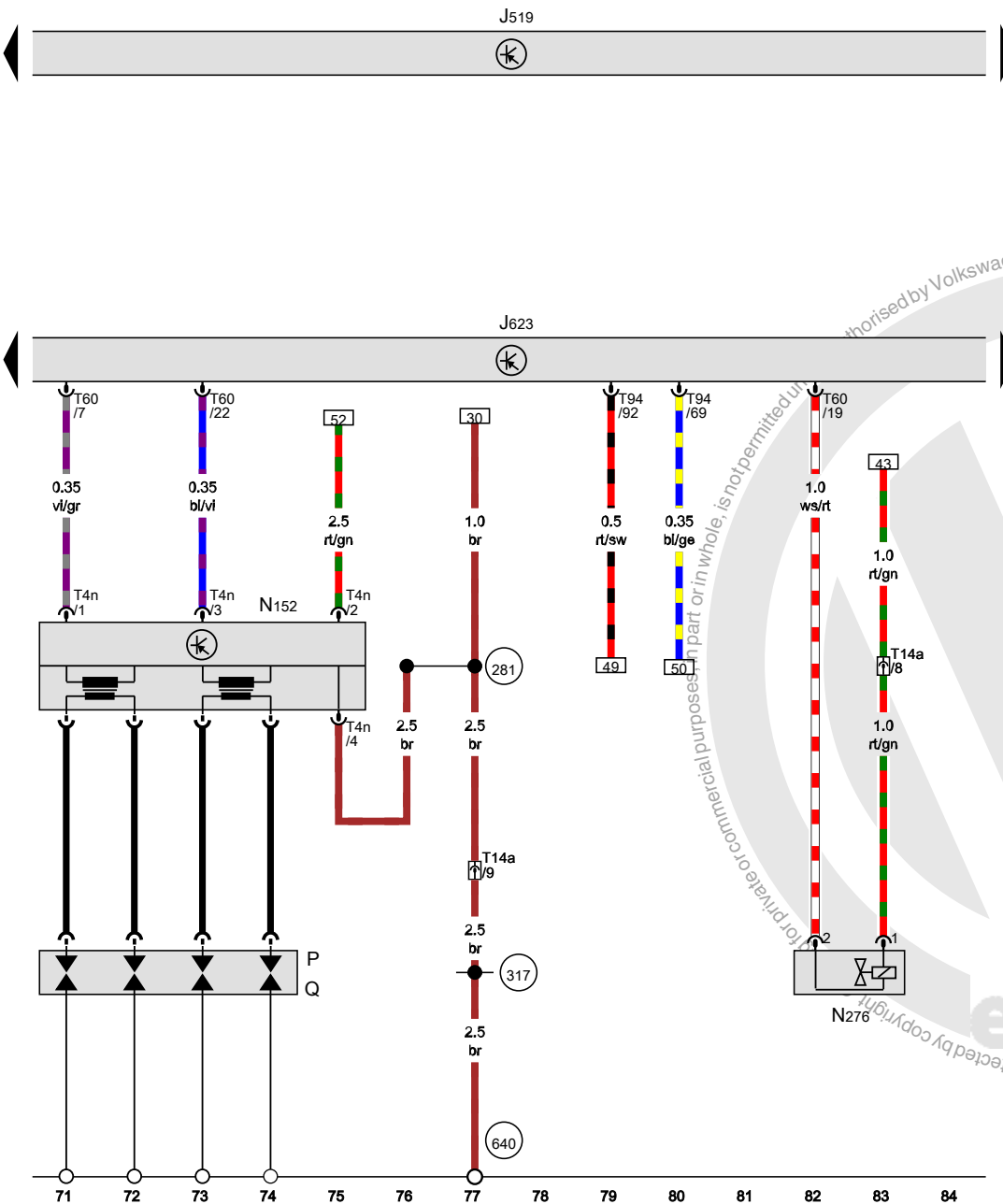
Onboard supply control unit, Engine control unit, Ignition transformer, Fuel pressure regulating valve, Spark plugs

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- N276 Fuel pressure regulating valve
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector

281 Earth point 1, engine prewiring harness

317 Earth connection 7, in engine compartment wiring harness

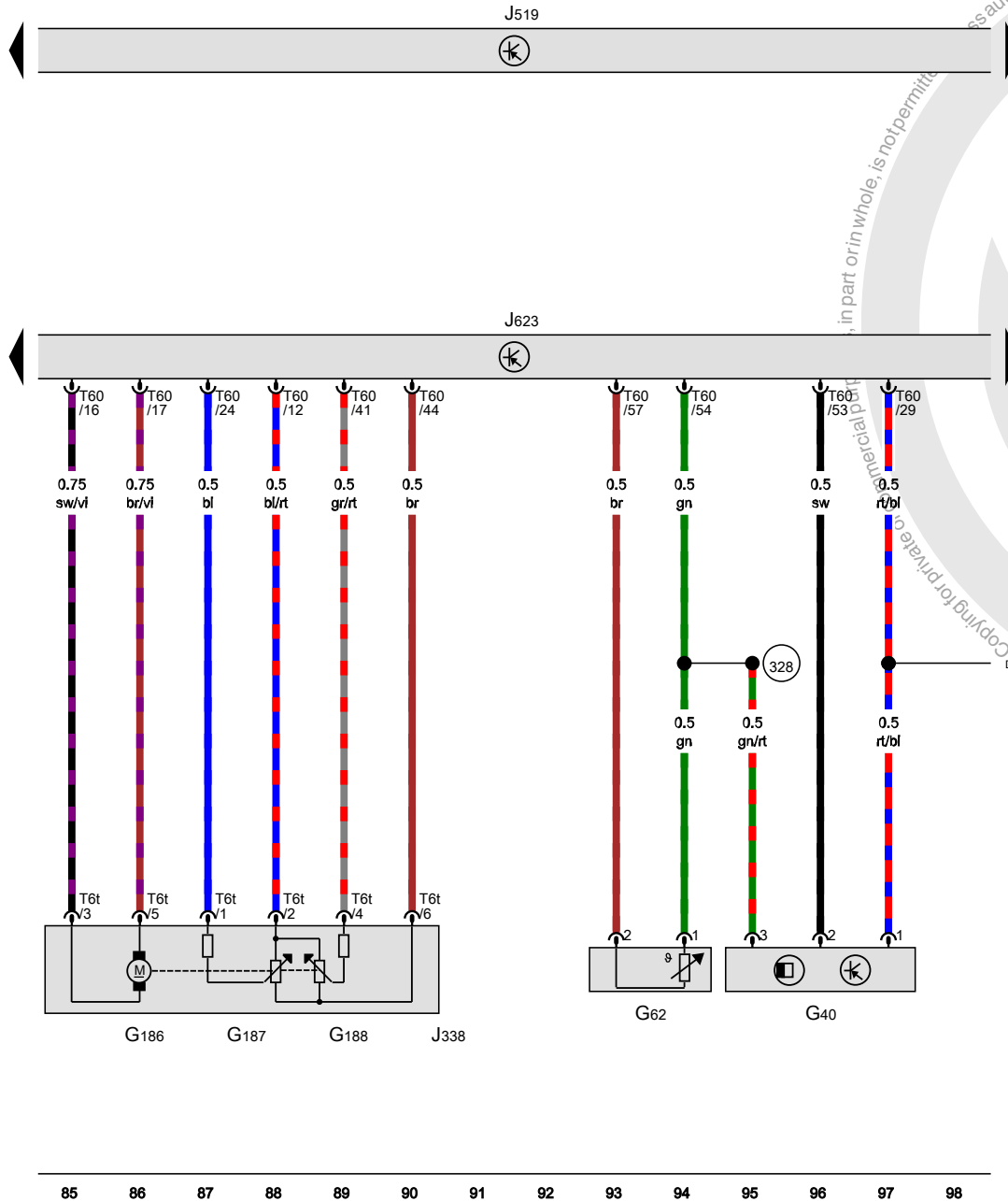
640 Earth point 2, left in engine compartment



- 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

Hall sender, Coolant temperature sender, Throttle valve module, Onboard supply control unit, Engine control unit

- G40 Hall sender
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6t 6-pin connector, black
- T60 60-pin connector
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness



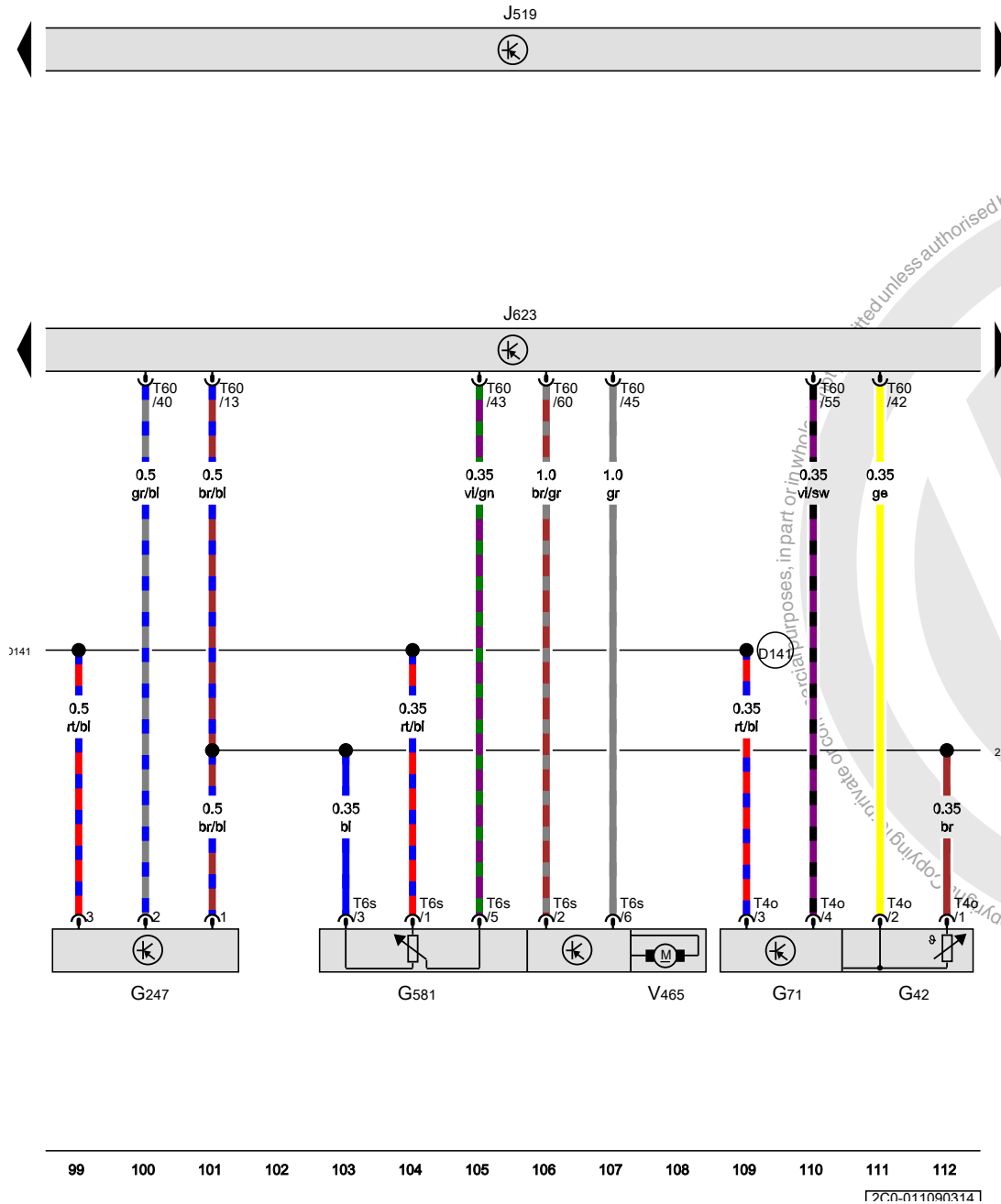
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- rs = pink

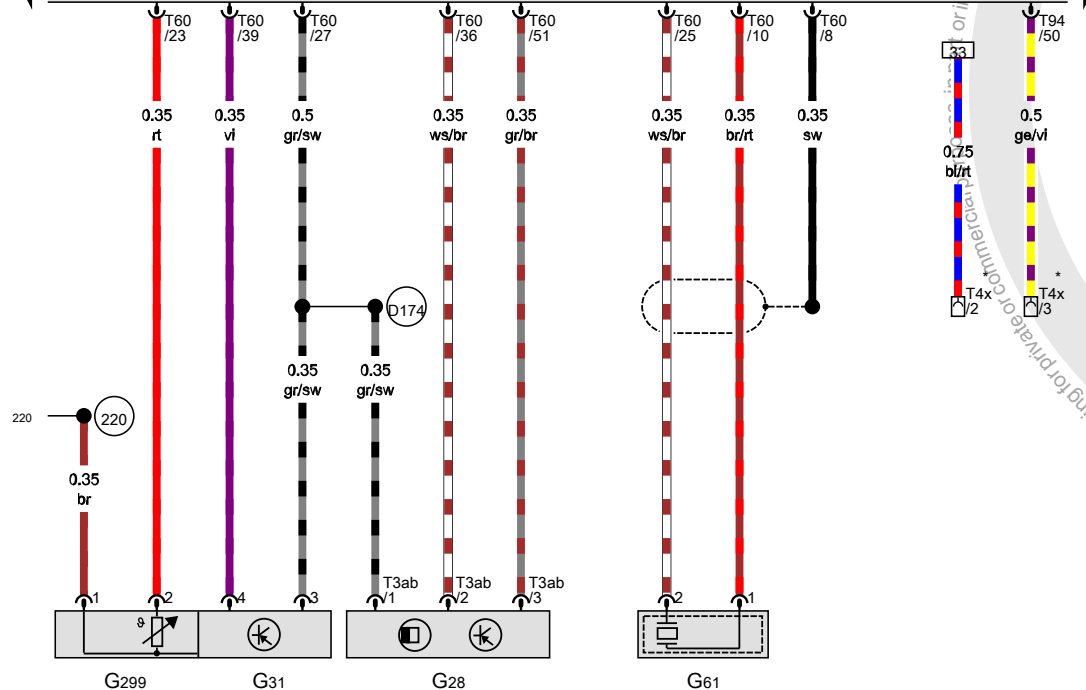
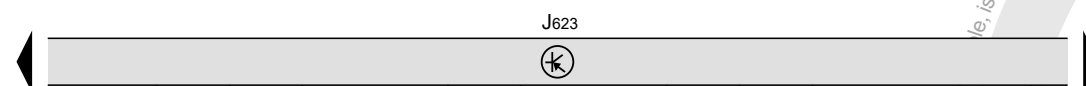
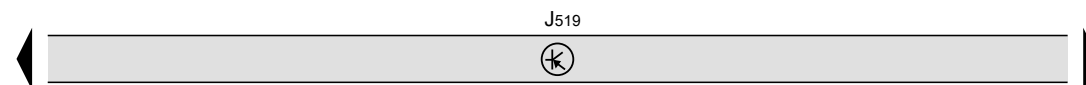
12C0-011080314

Intake air temperature sender, Intake manifold pressure sender, Fuel pressure sender, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit, Charge pressure positioner

- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4o 4-pin connector, black
- T6s 6-pin connector, grey
- T60 60-pin connector
- V465 Charge pressure positioner

- 220 Earth connection (sender earth), in engine wiring harness
- D141 Connection (5V) in engine prewiring harness





Engine speed sender, Charge pressure sender, Knock sensor 1, Intake air temperature sender 2, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G61 Knock sensor 1
- G299 Intake air temperature sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, black
- T4x 4-pin connector, on radiator fan, bottom left
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

D174 Connection 2 (5V) in engine prewiring harness

* Radiator fan connection

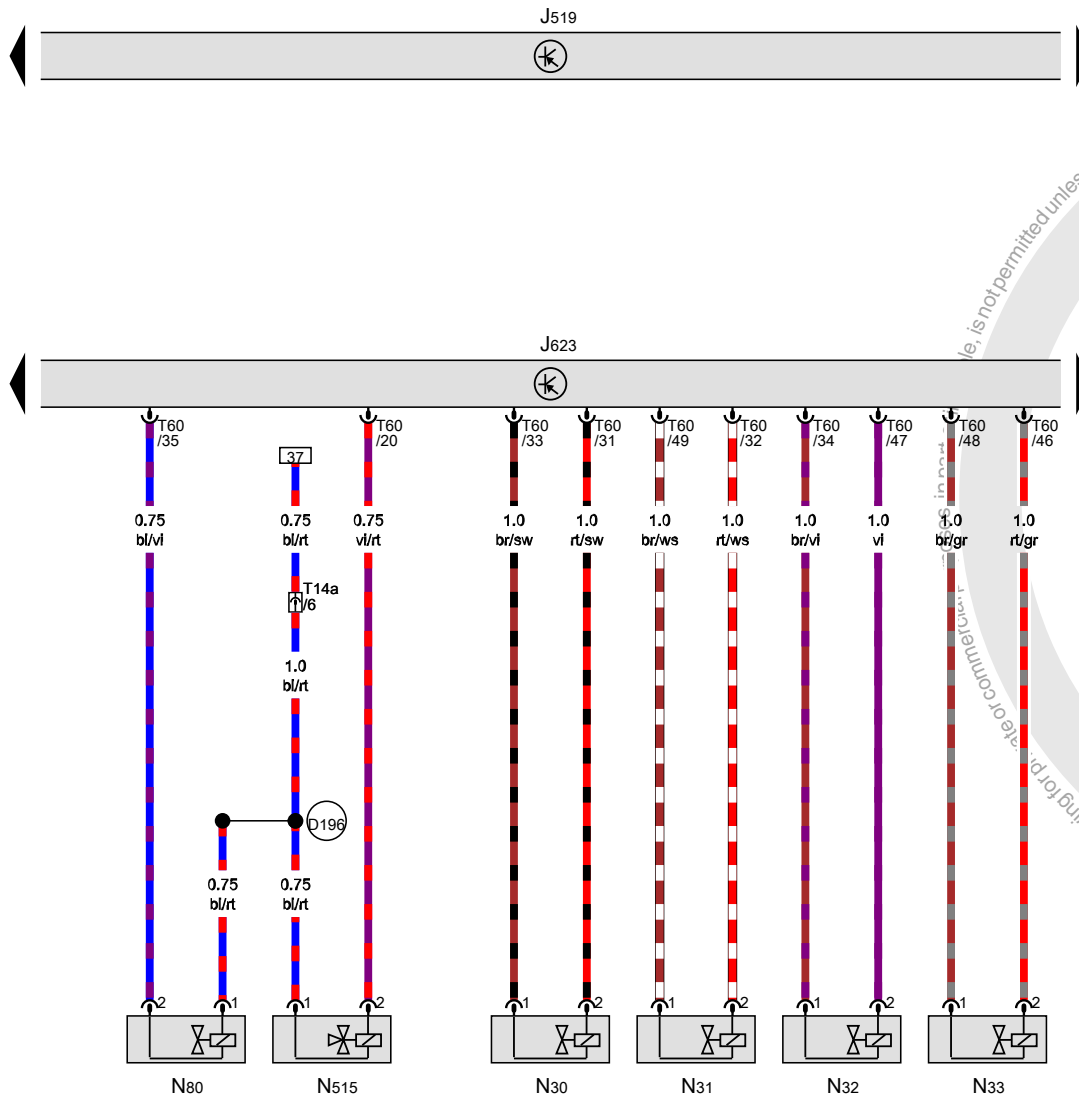
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

113 114 115 116 117 118 119 120 121 122 123 124 125 126

[200-011100314]

Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Activated charcoal filter solenoid valve 1, Coolant regulating valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N80 Activated charcoal filter solenoid valve 1
- N515 Coolant regulating valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- D196 Connection 2 (87a) in engine prewiring harness

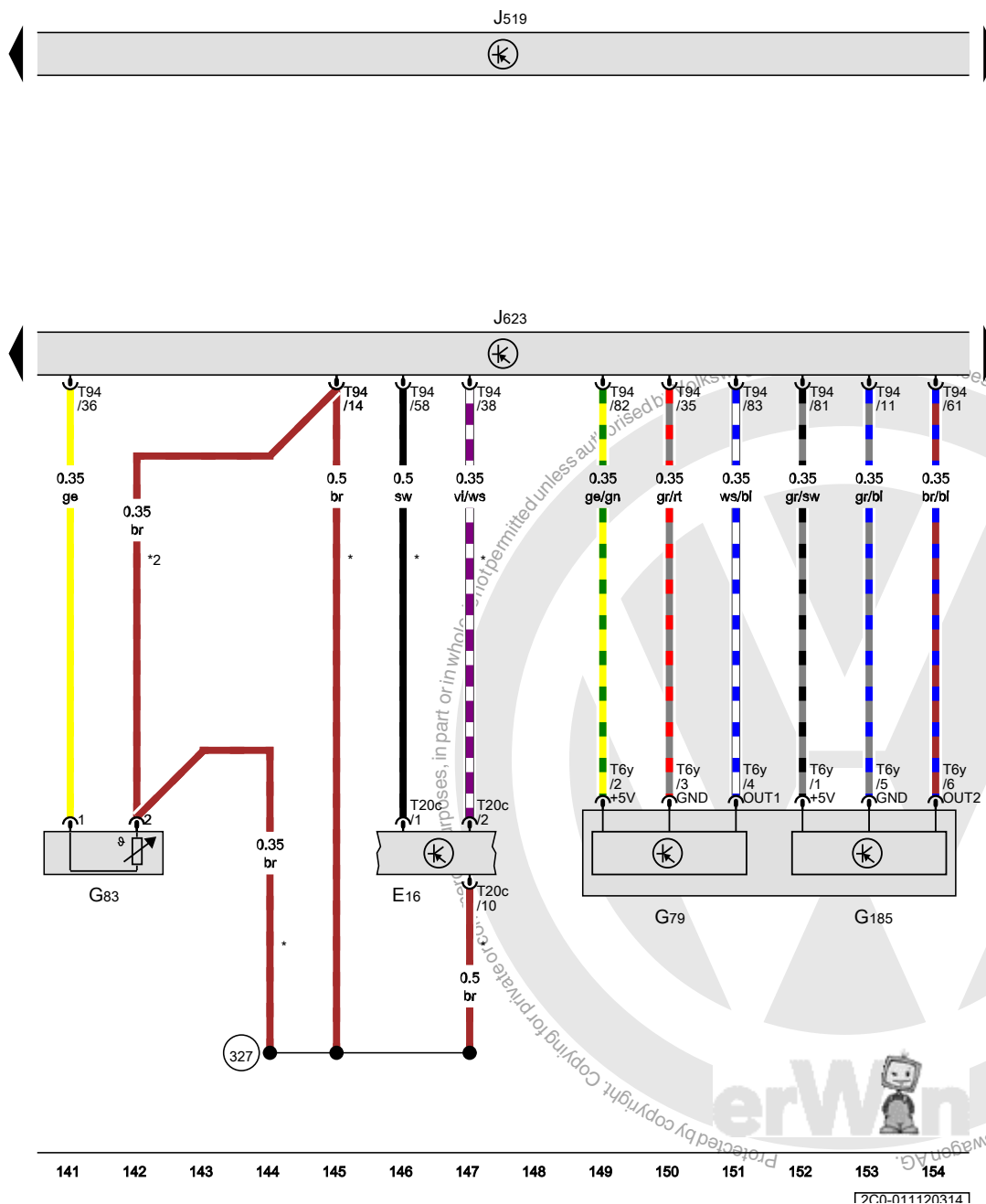


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Accelerator position sender, Radiator outlet coolant temperature sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

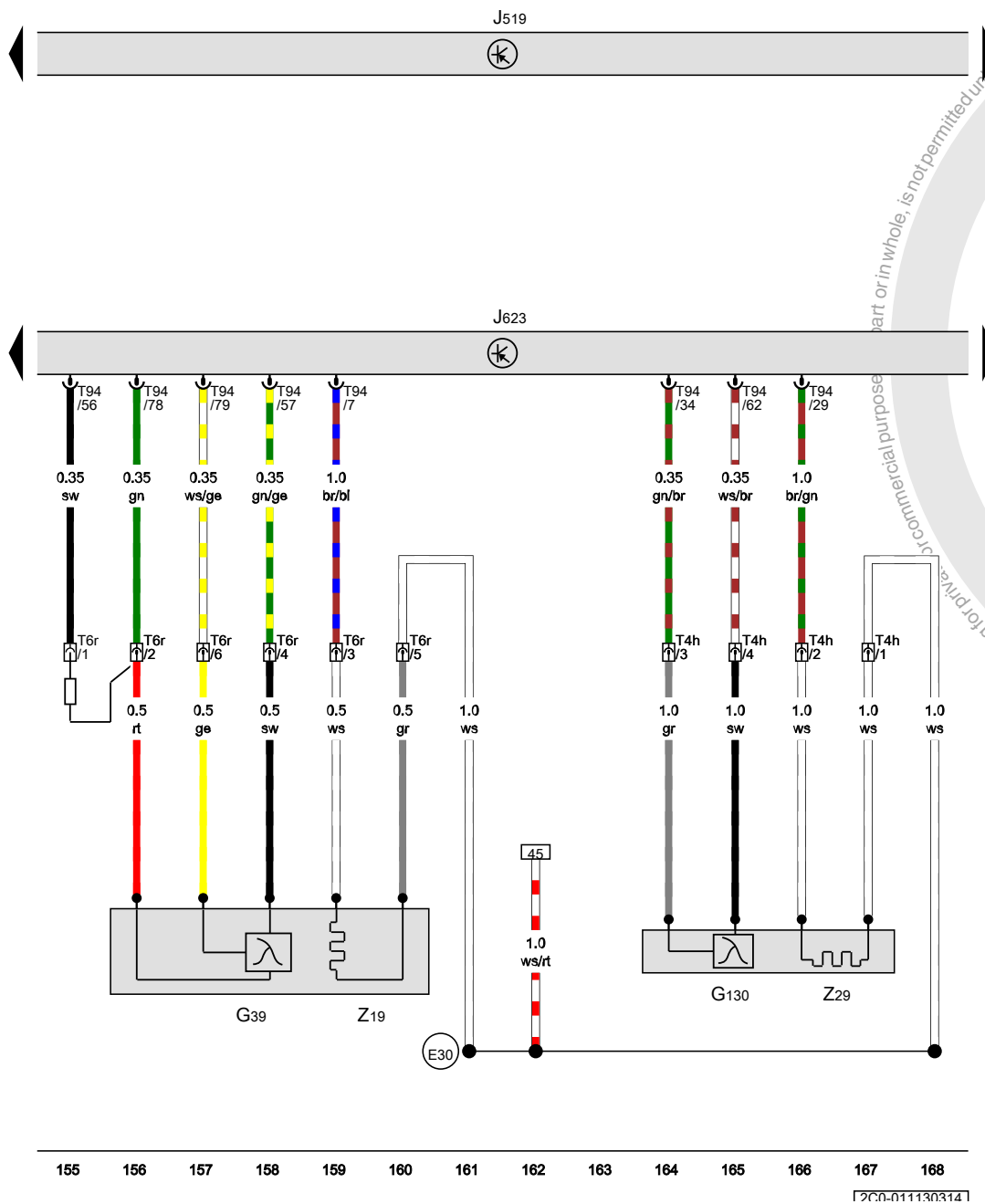
- E16 Heater/heat output switch
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6y 6-pin connector, black
- T20c 20-pin connector, black
- T94 94-pin connector
- (327) Earth connection (sender earth), in engine compartment wiring harness

- * Only models with no air conditioning system
- *2 Only models with air conditioning system

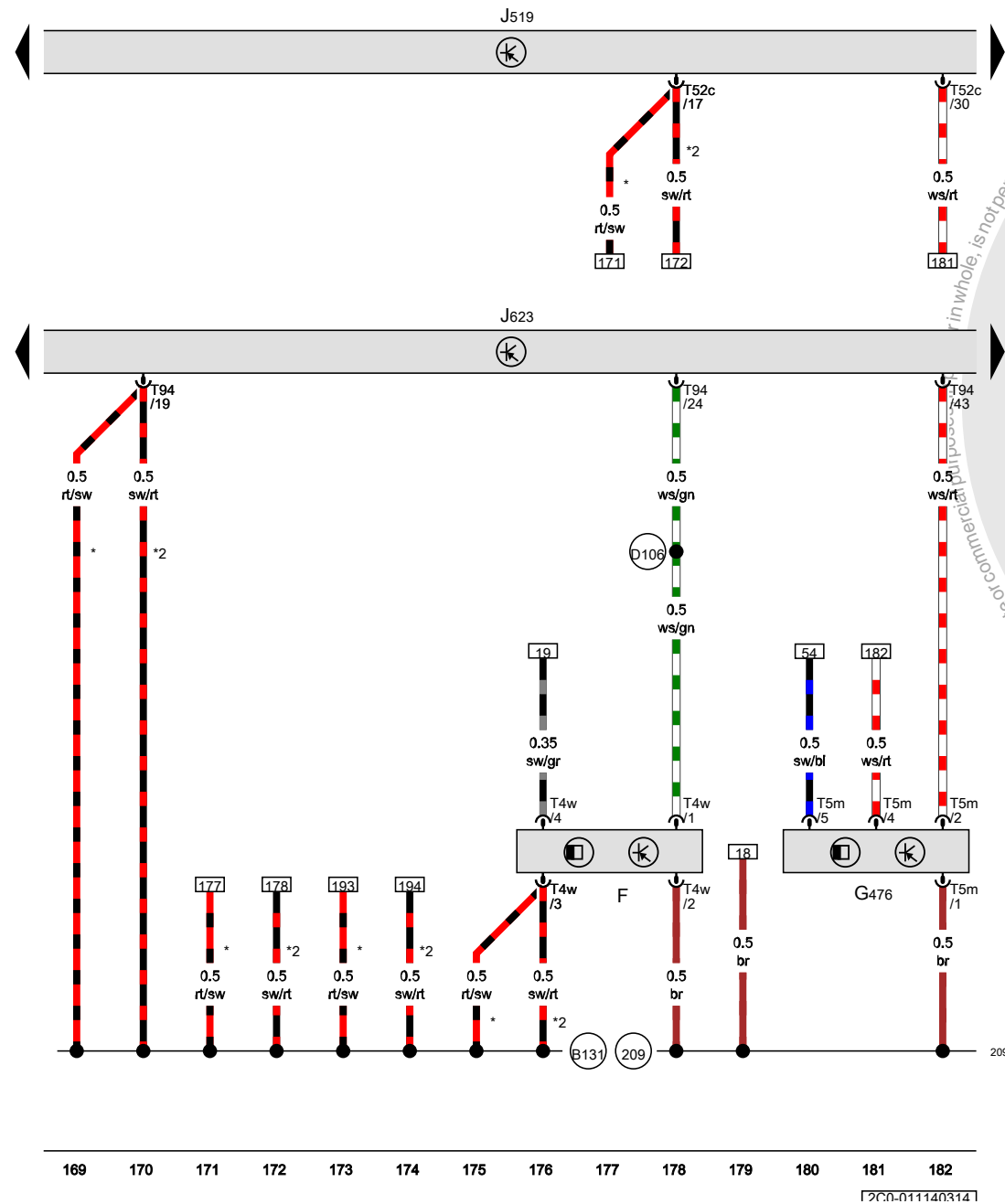


Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit



- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- D106 Connection 4 in engine compartment wiring harness

* Up to April 2011
*2 From May 2011

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

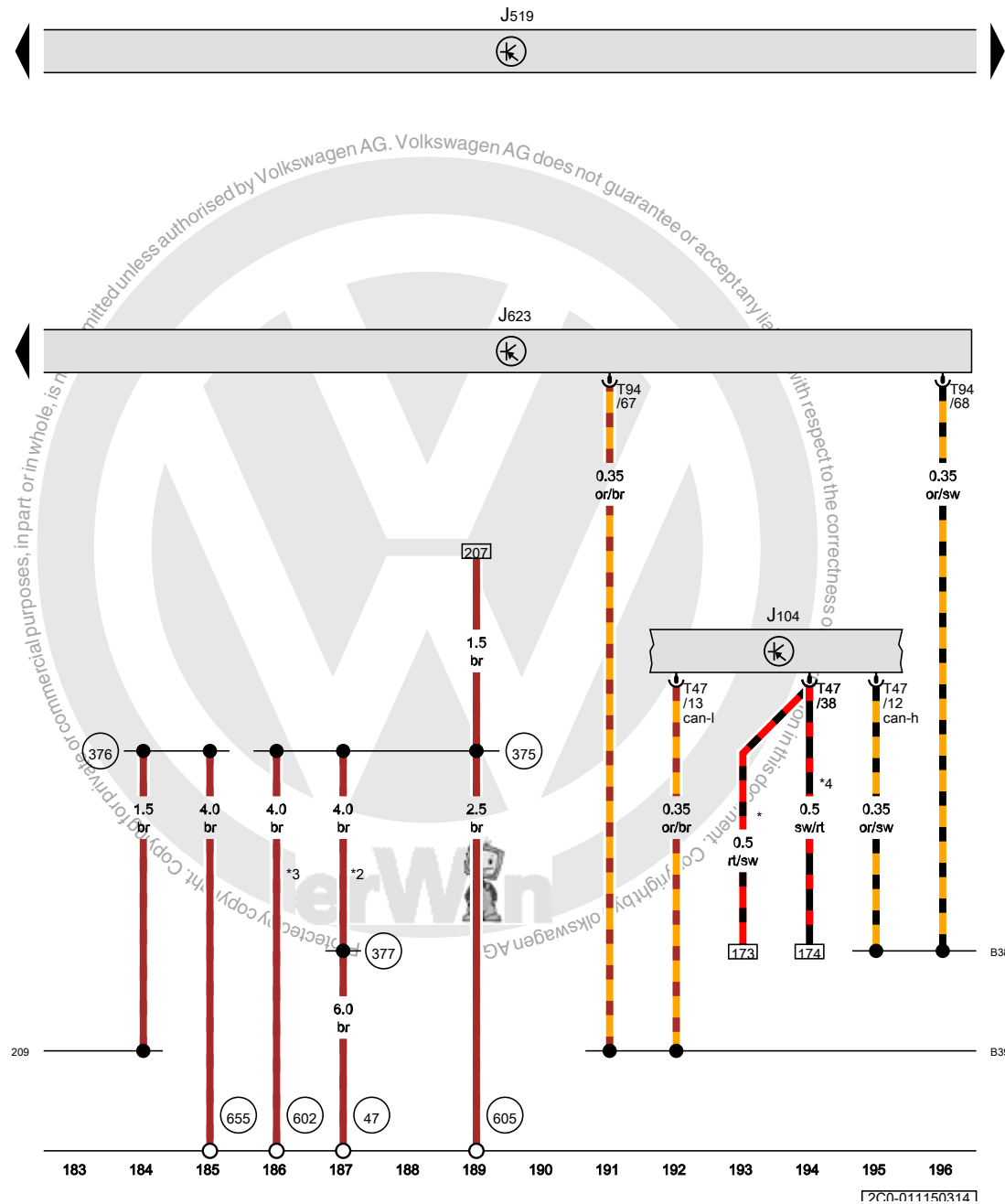
Onboard supply control unit, Engine control unit

J104	ABS control unit
J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
T47	47-pin connector
T94	94-pin connector

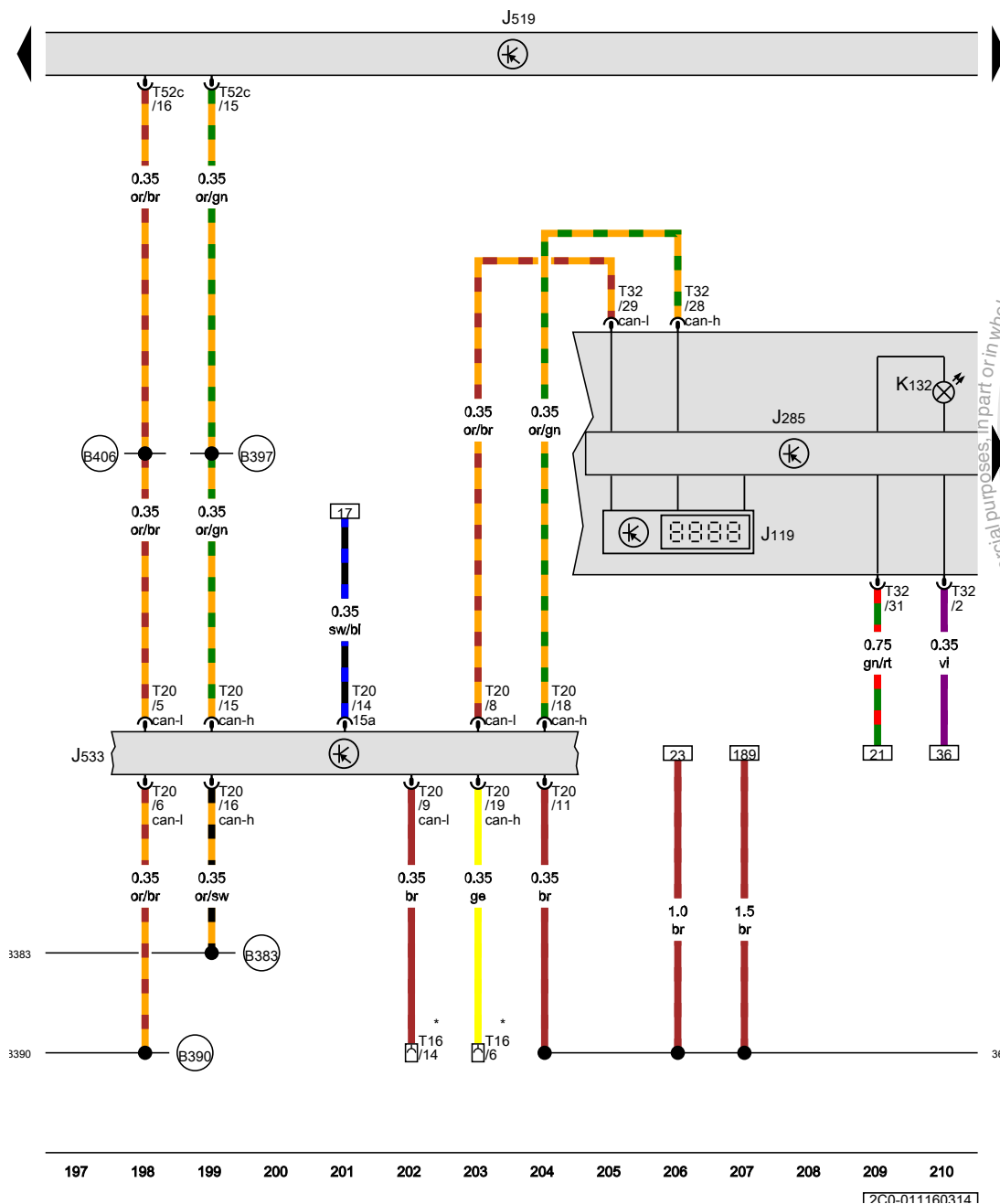
- 47 Earth point, in front right footwell
- 209 Earth connection 6, in engine compartment wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Up to April 2011
- *2 Only right-hand drive models
- *3 Only left-hand drive models
- *4 From May 2011

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



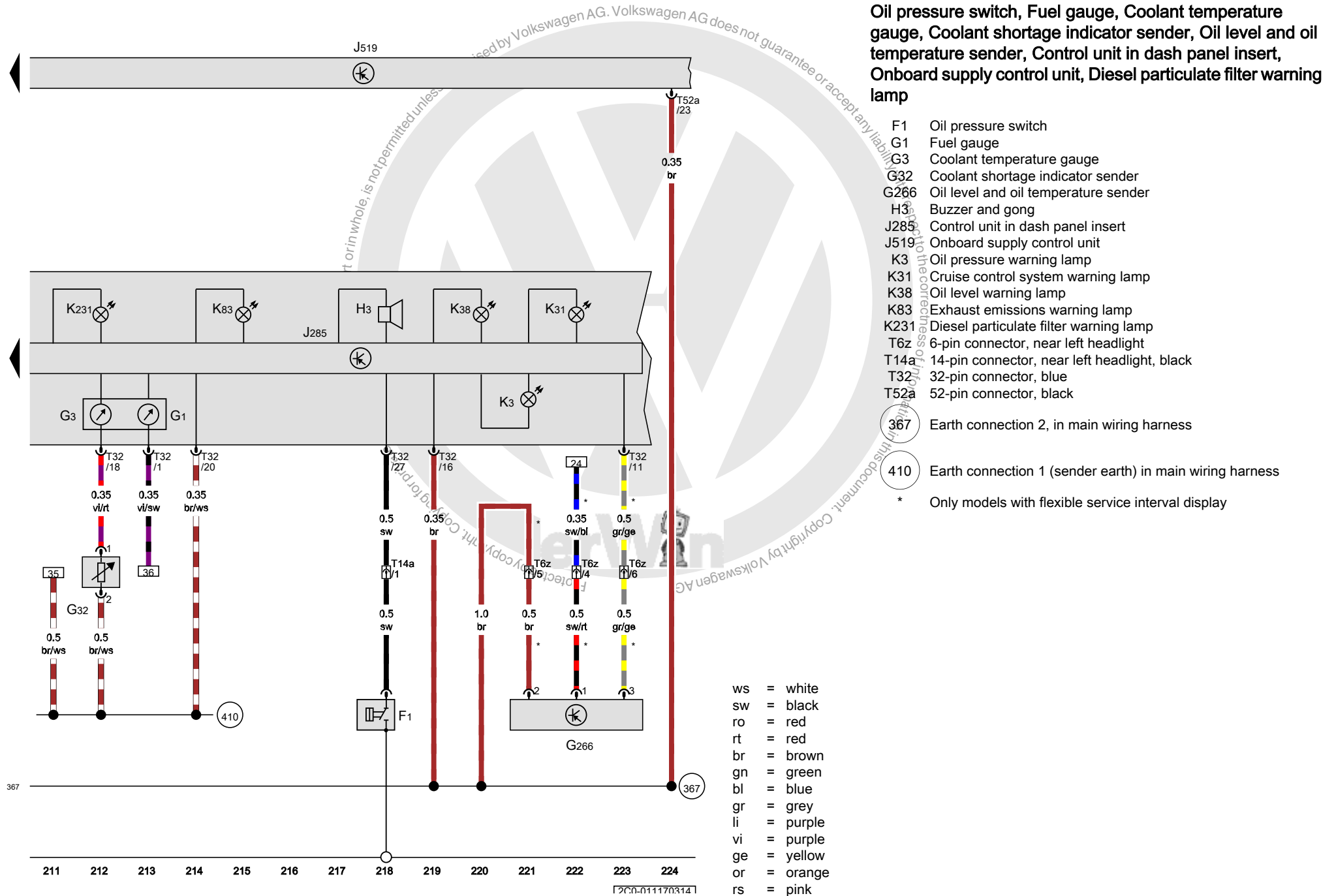
Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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

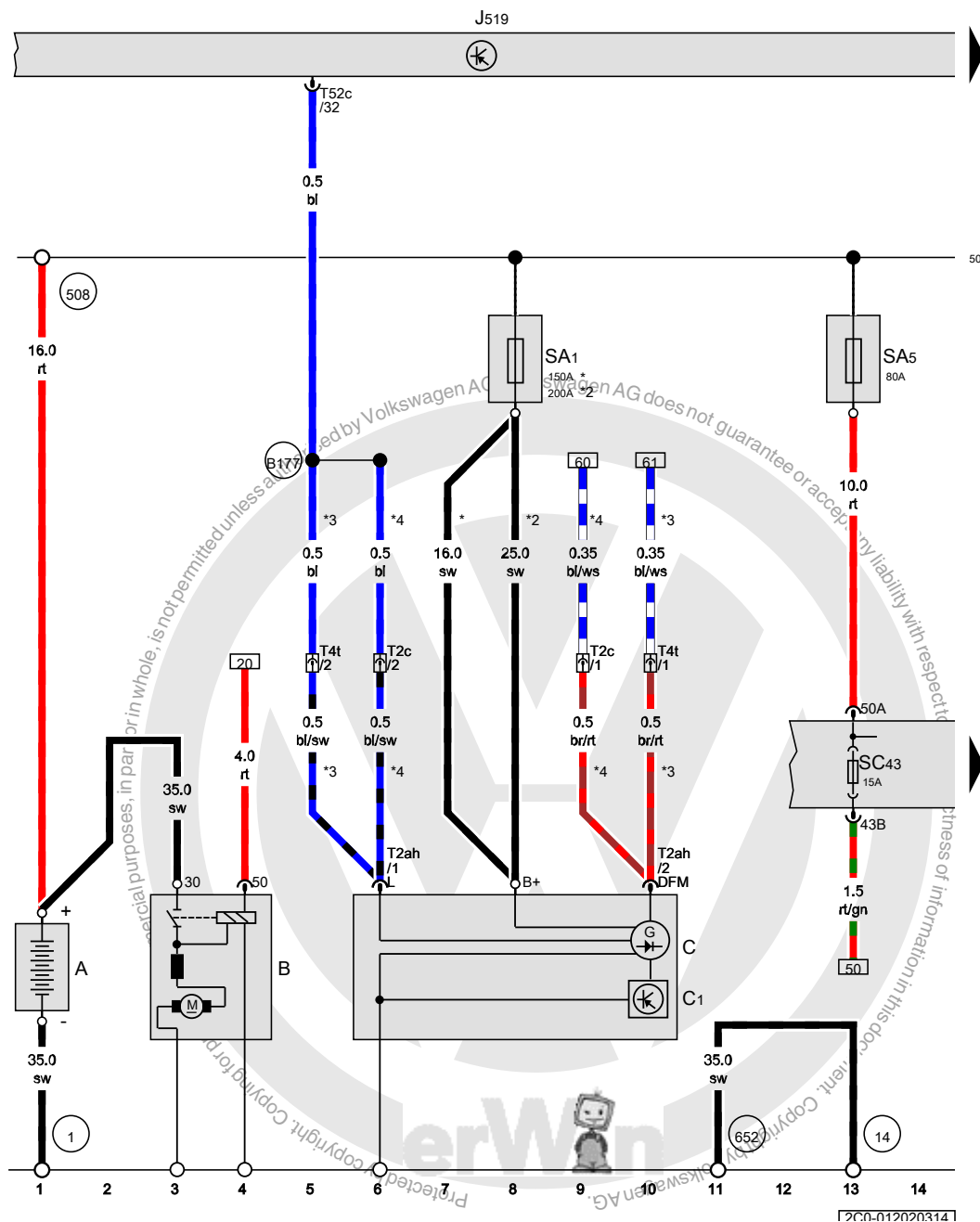


1.6l petrol engine , BSF

From August 2010

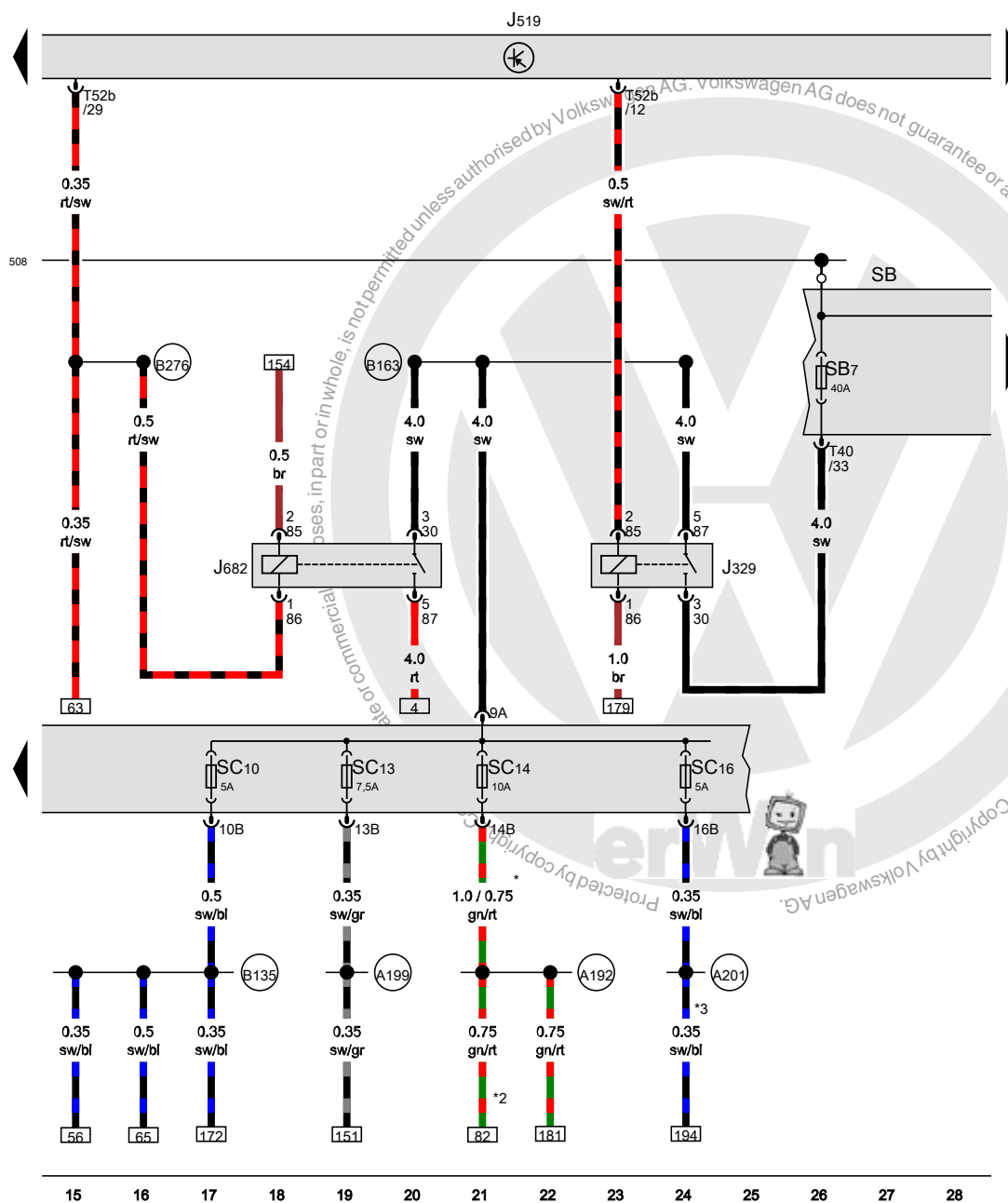


Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system

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Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness

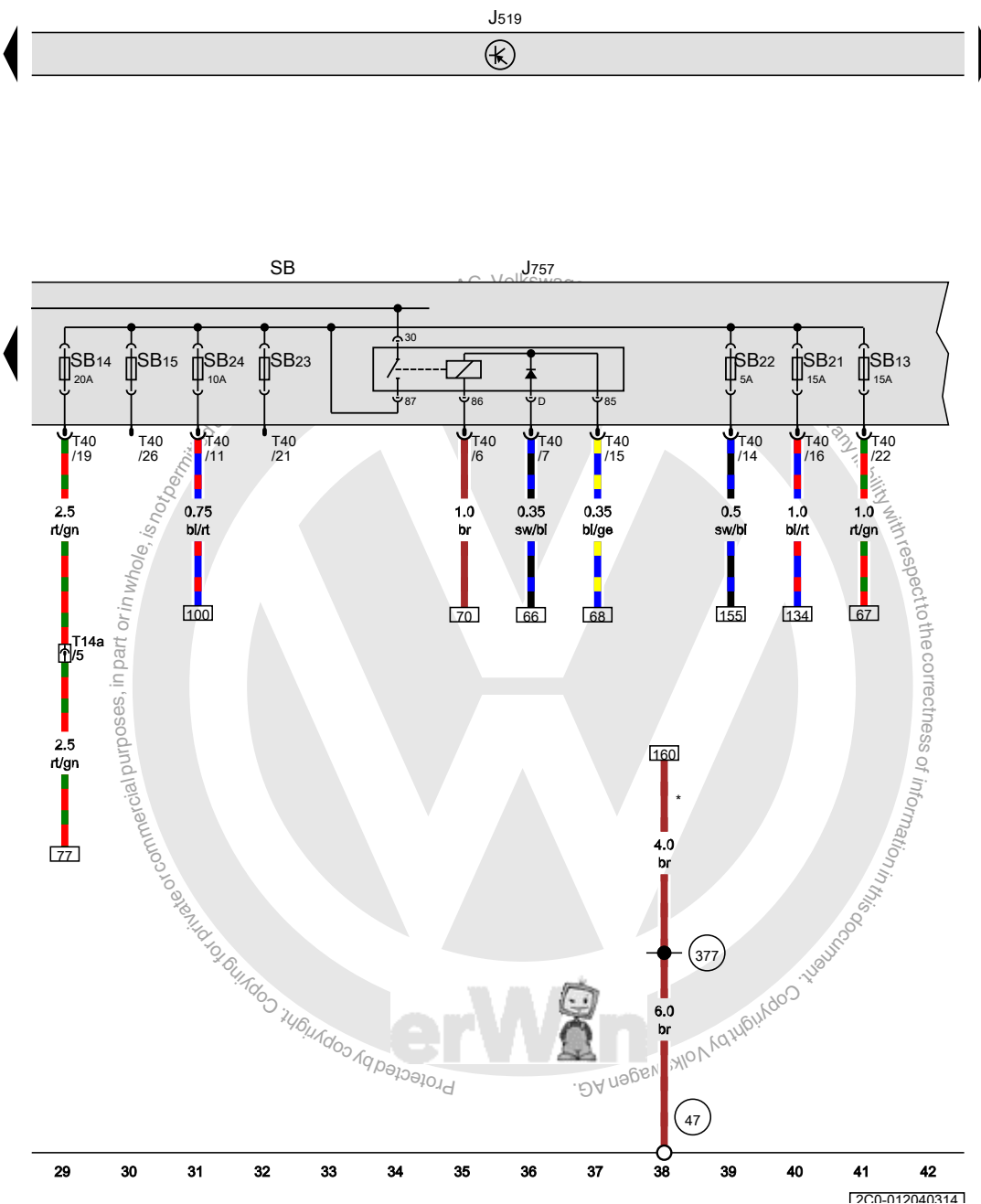
- * From May 2011
- *2 Only models with crankcase breather heater element
- *3 Only models with flexible service interval display

- ws = white
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- br = brown
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Onboard supply control unit, Engine component current supply relay, Fuse holder B

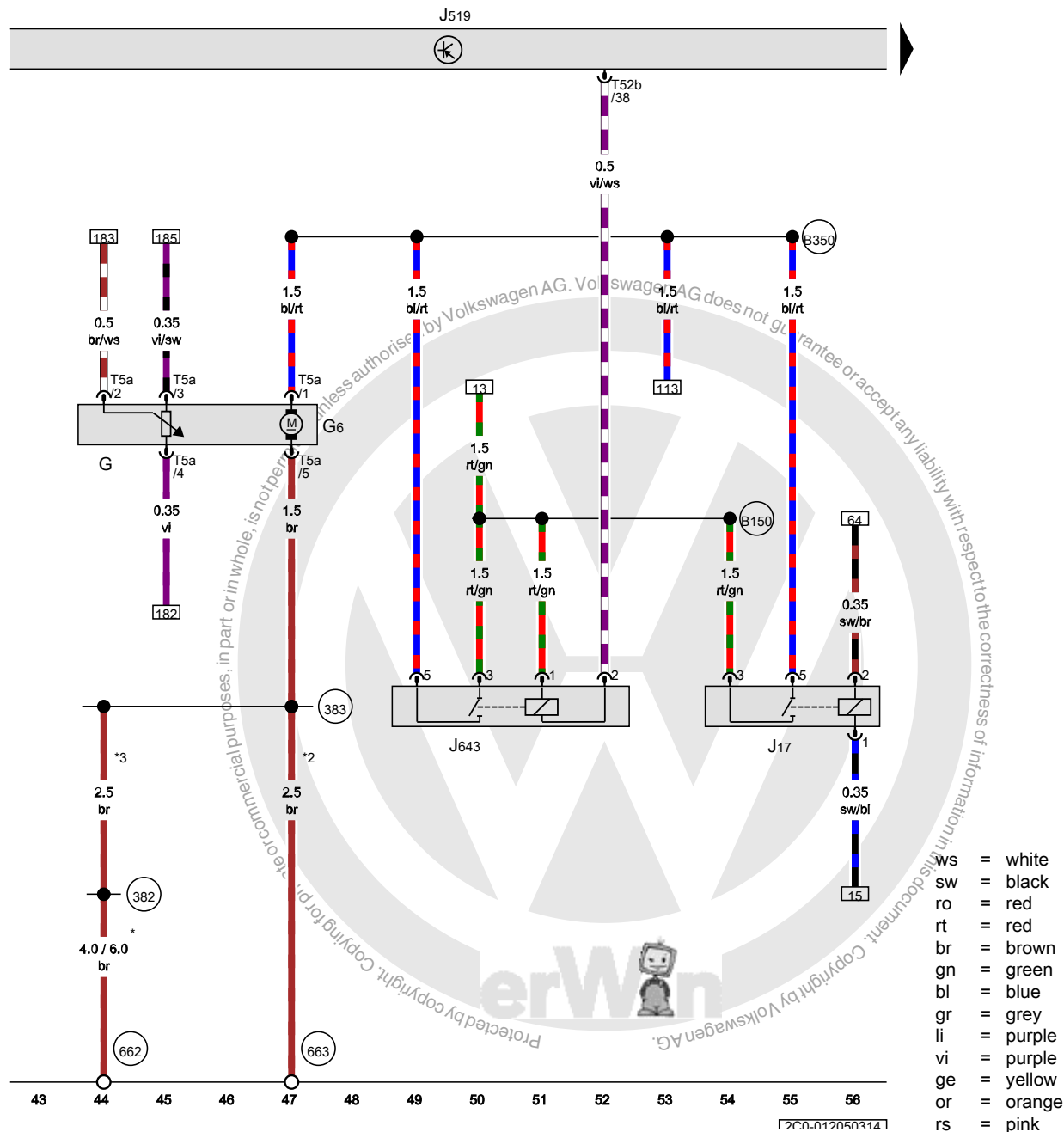
- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector

- 47 Earth point, in front right footwell
- 377 Earth connection 12, in main wiring harness
- * Only right-hand drive models



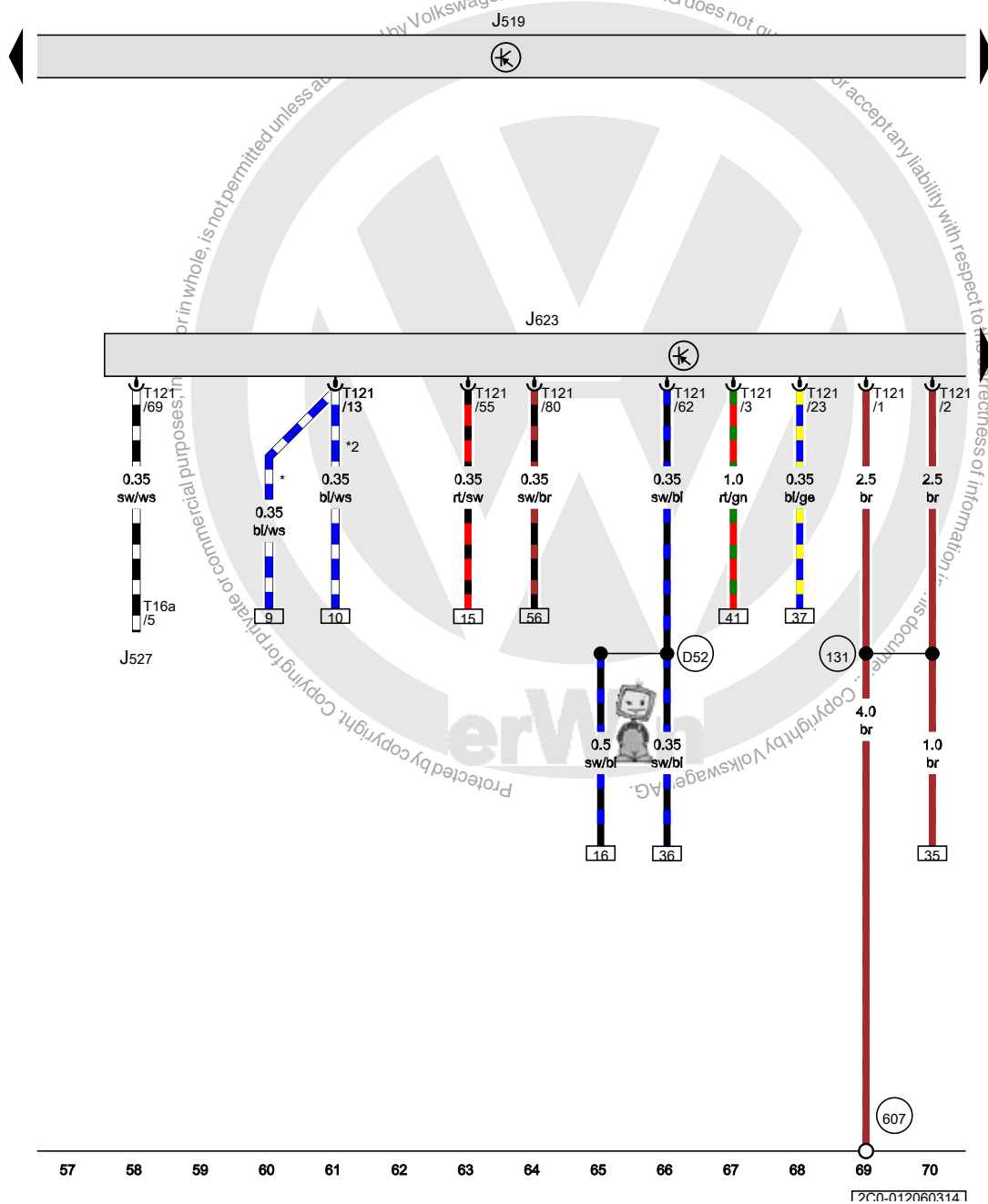
- ws = white
- sw = black
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Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment



Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T121 121-pin connector

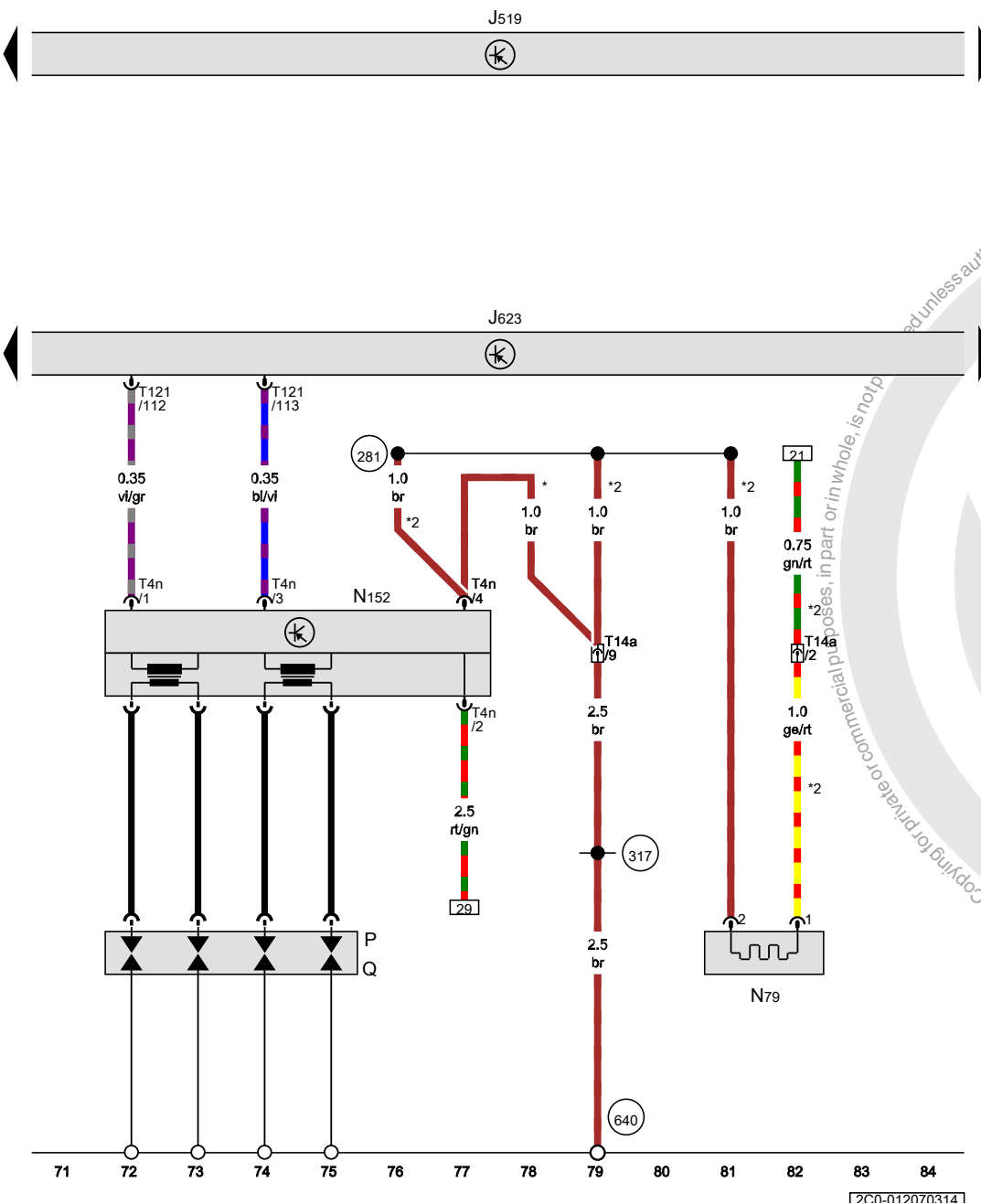
- 131 Earth connection 2, in engine compartment wiring harness
- 607 Earth point, on left in plenum chamber
- D52 Positive connection (15a), in engine compartment wiring harness
- * Only models with no air conditioning system
- *2 Only models with air conditioning system

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gr = grey
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vi = purple
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or = orange
rs = pink

Onboard supply control unit, Engine control unit, Heater element for crankcase breather, Ignition transformer, Spark plugs

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

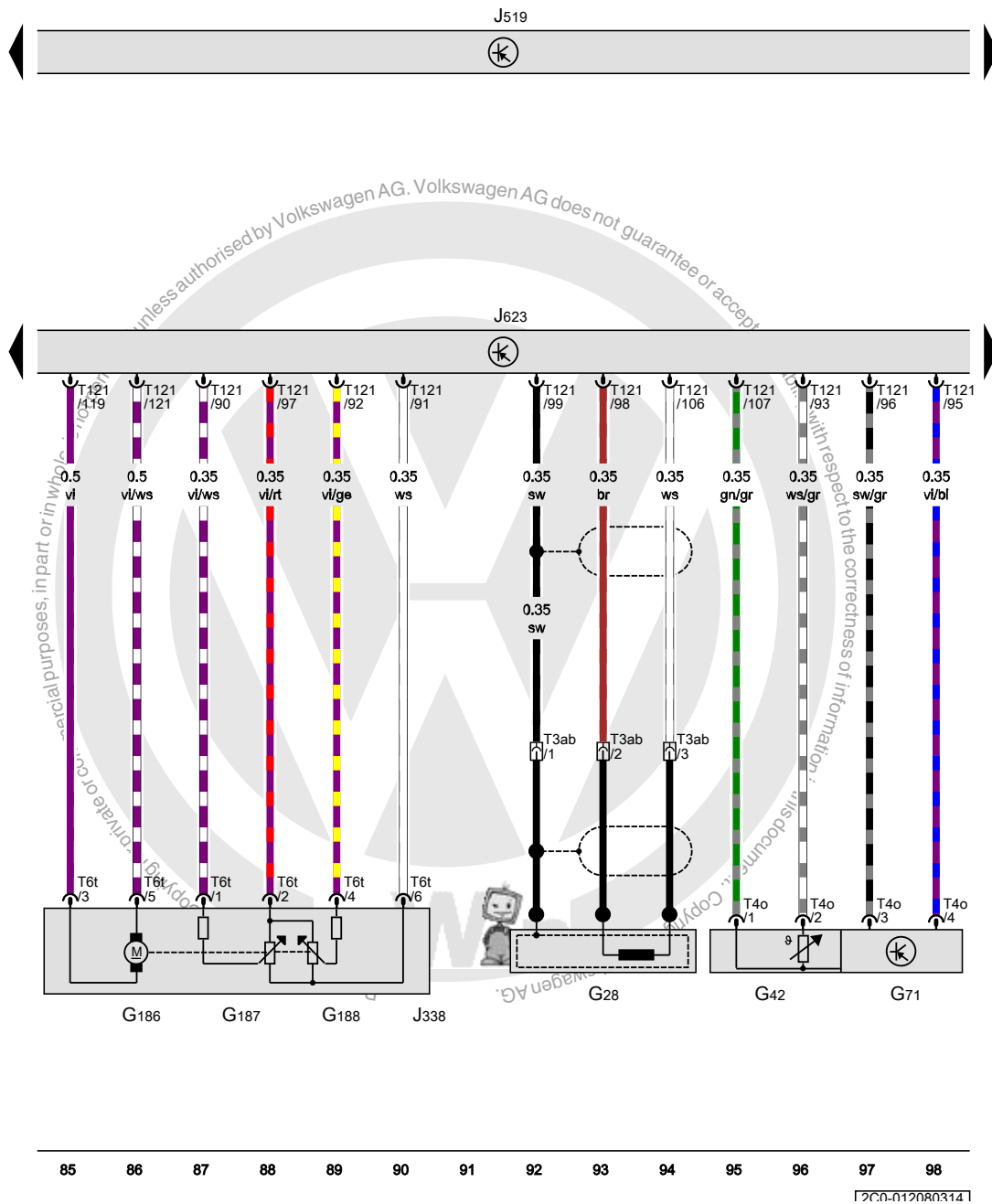
- 281 Earth point 1, engine prewiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- * Only models with no crankcase breather heater element
- *2 Only models with crankcase breather heater element



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 vi = purple
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Engine speed sender, Intake air temperature sender, Intake manifold pressure sender, Throttle valve module, Onboard supply control unit, Engine control unit

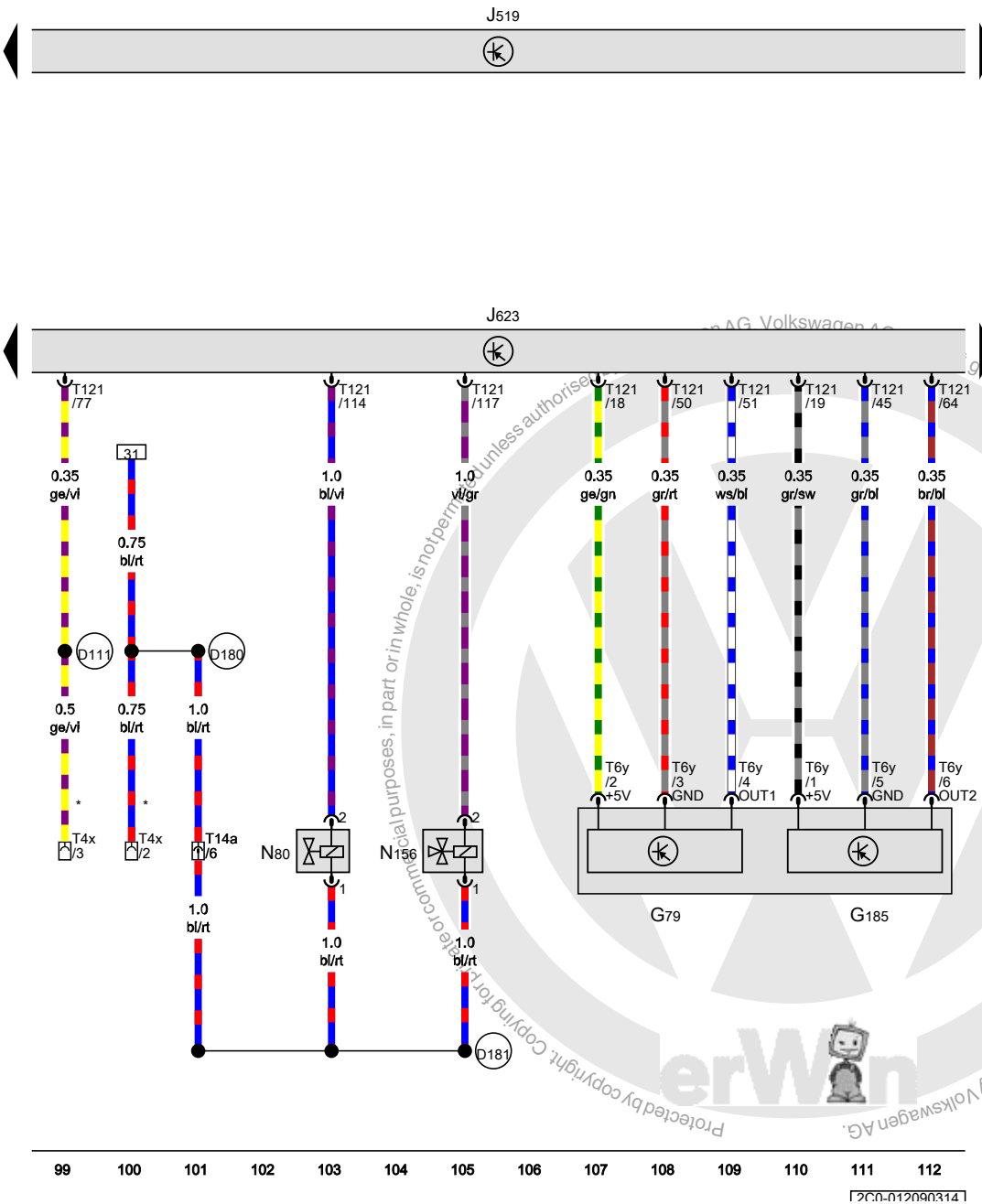
- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T4o 4-pin connector, black
- T6t 6-pin connector, black
- T121 121-pin connector



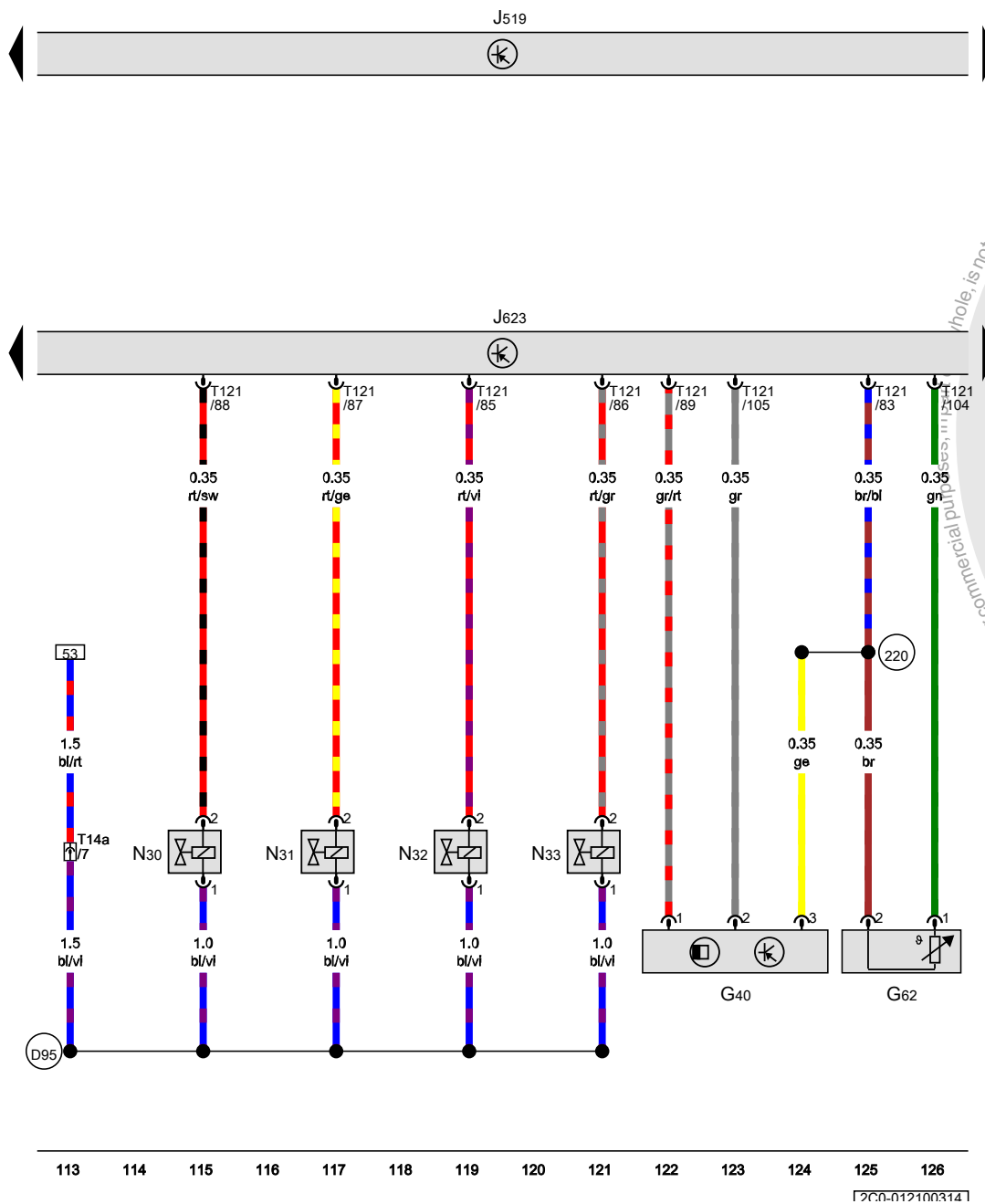
Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit, Activated charcoal filter solenoid valve 1, Variable intake manifold changeover valve

- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N156 Variable intake manifold changeover valve
- T4x 4-pin connector, black
- T6y 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection



Hall sender, Coolant temperature sender, Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

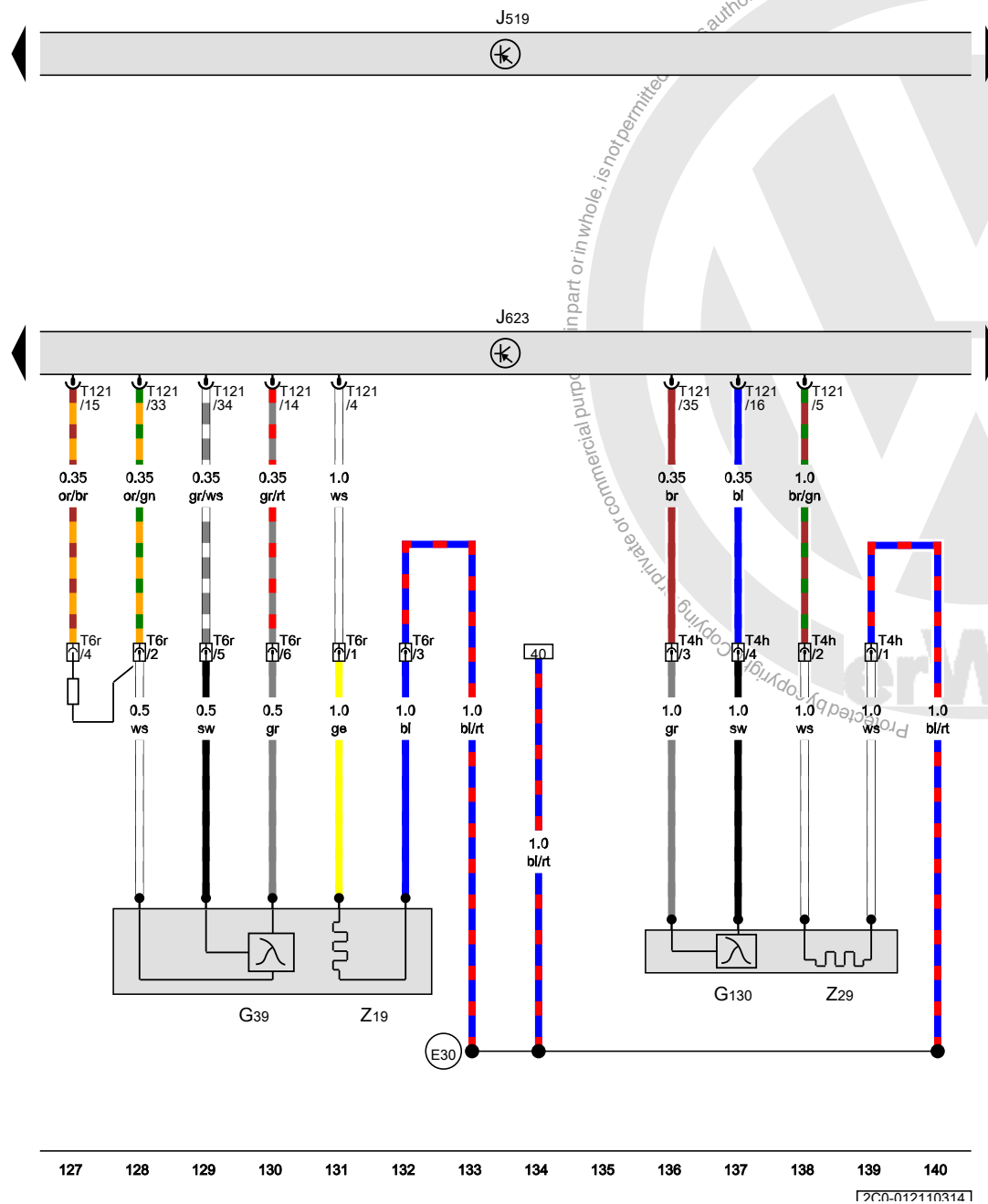


- G40 Hall sender
- G62 Coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- D95 Connection (injectors), in engine compartment wiring harness

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

Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

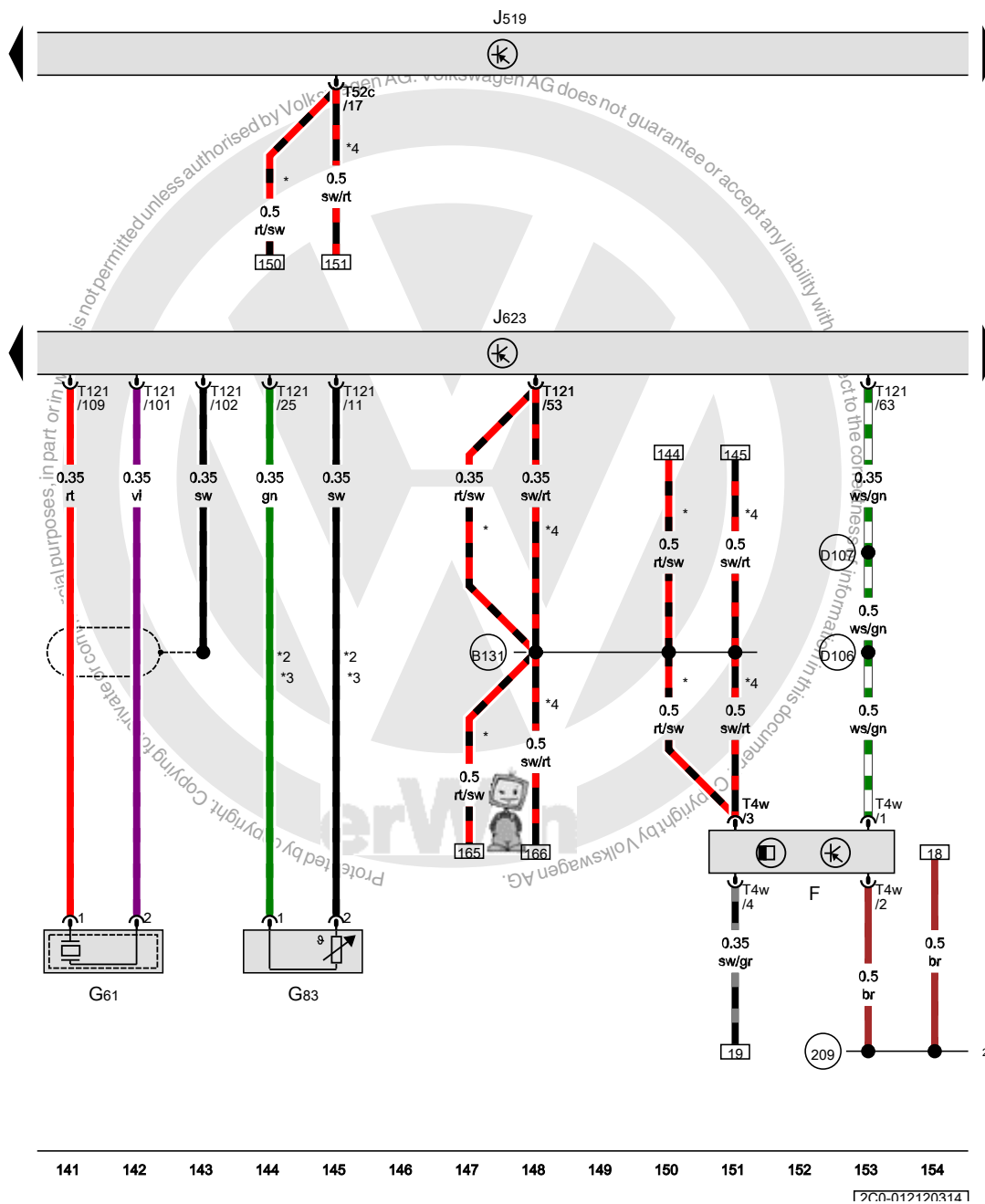
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



Brake light switch, Knock sensor 1, Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G61 Knock sensor 1
- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T52c 52-pin connector, brown
- T121 121-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Up to April 2011
- *2 Only models with trailer socket
- *3 Only models with preparation for trailer coupling
- *4 From May 2011

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

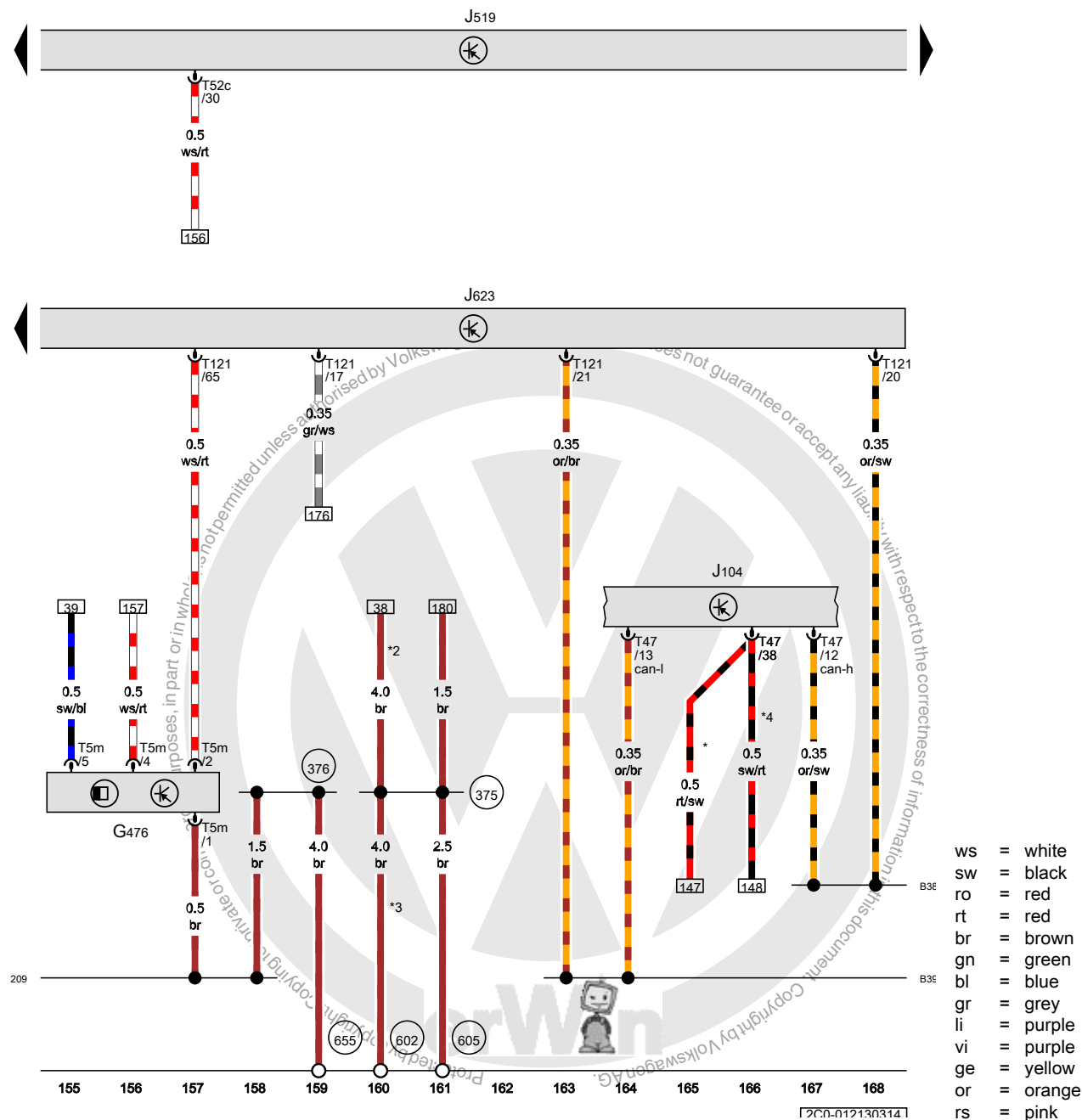


Clutch position sender, Onboard supply control unit, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5m 5-pin connector, black
- T47 47-pin connector
- T52c 52-pin connector, brown
- T121 121-pin connector

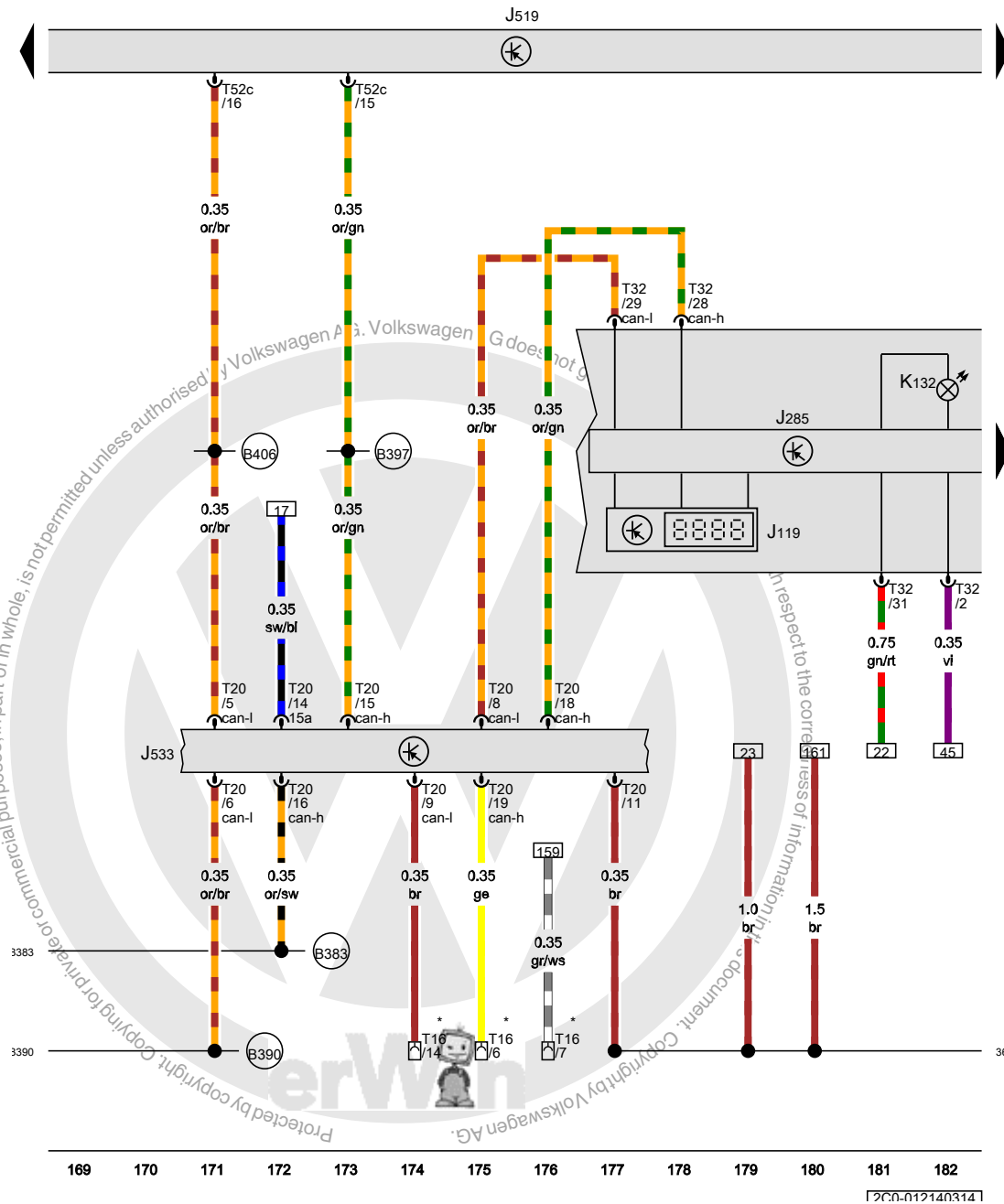
- 209 Earth connection 6, in engine compartment wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Up to April 2011
- *2 Only right-hand drive models
- *3 Only left-hand drive models
- *4 From May 2011

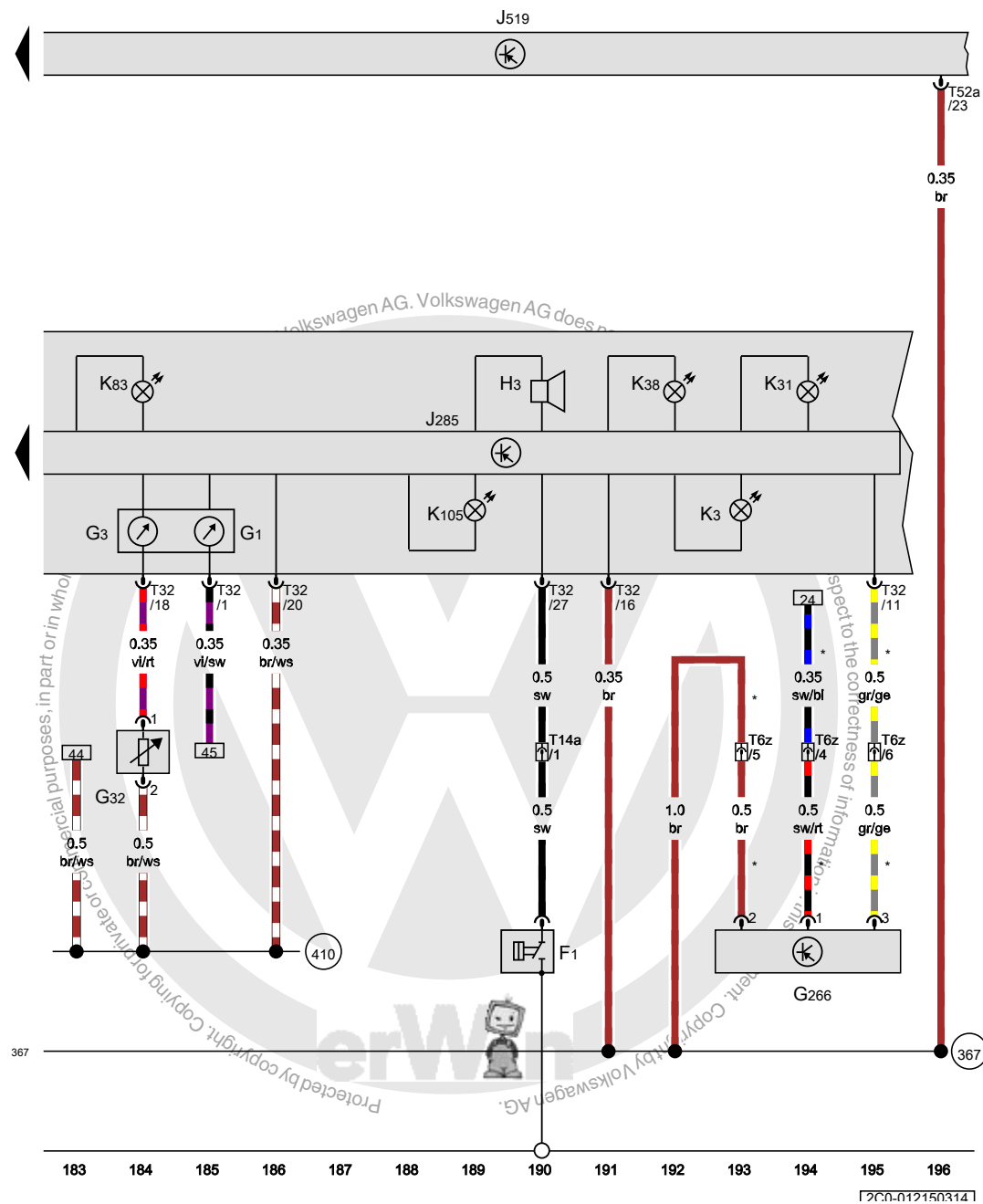


- ws = white
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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown
- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T6z 6-pin connector, near left headlight
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

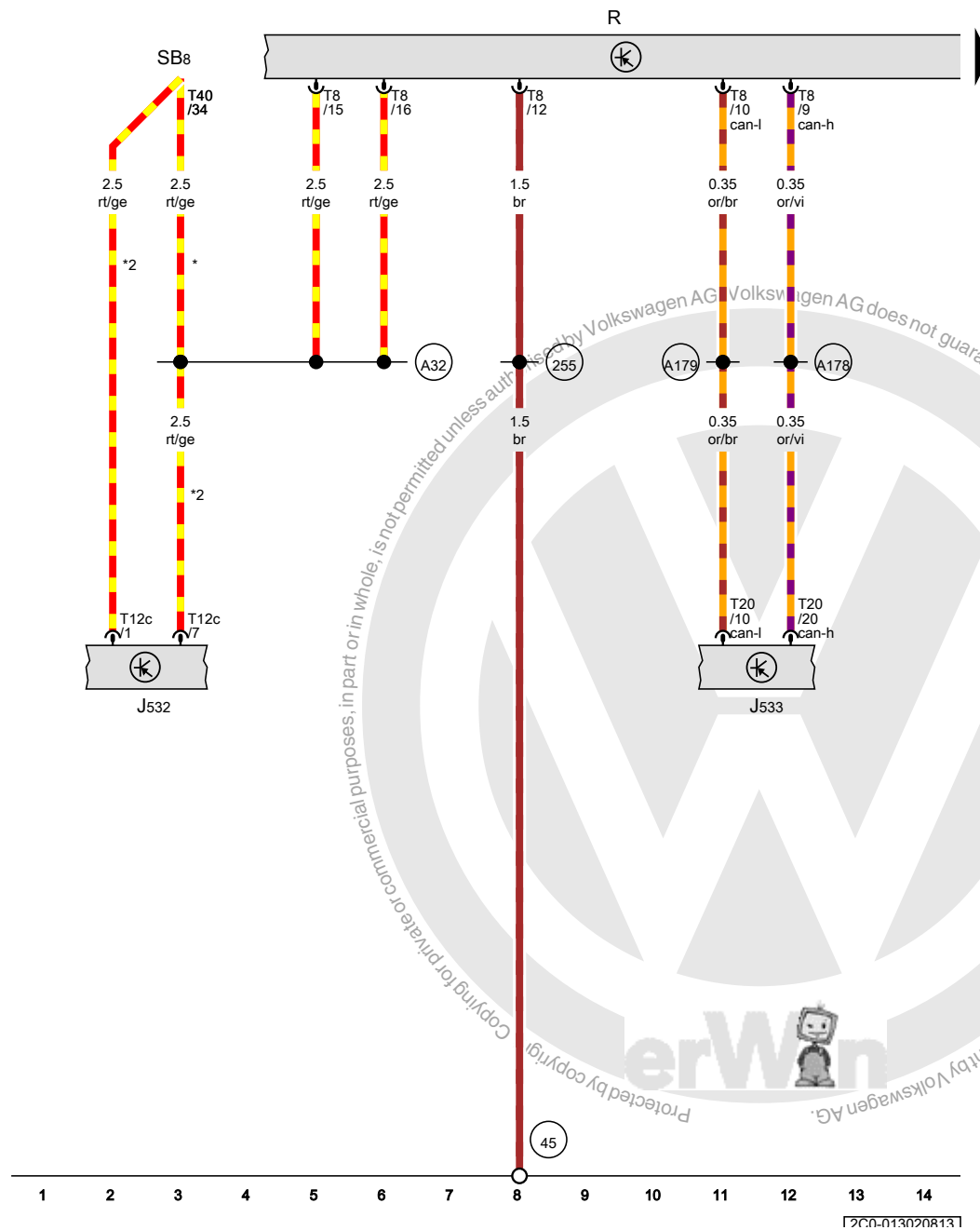
* Only models with flexible service interval display

- ws = white
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Radio system

From August 2010



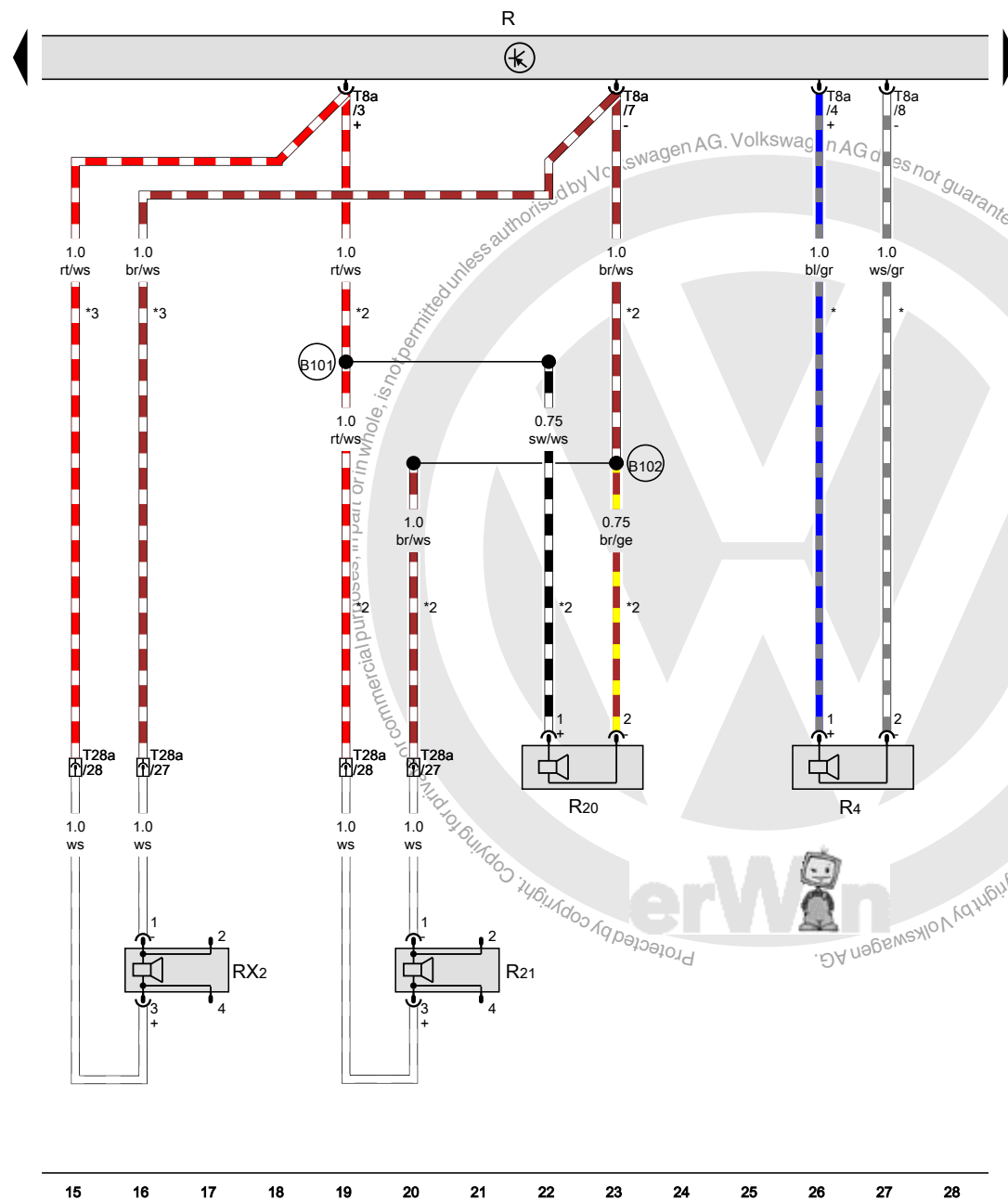


Data bus diagnostic interface, Radio

- J532 Voltage stabiliser
- J533 Data bus diagnostic interface
- R Radio
- SB8 Fuse 8 on fuse holder B
- T8 8-pin connector, black
- T12c 12-pin connector, black
- T20 20-pin connector, red
- T40 40-pin connector

- 45 Earth point, centre behind dash panel
- 255 Earth connection 1, in radio wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * Only models with no start/stop system
- *2 Only models with start/stop system

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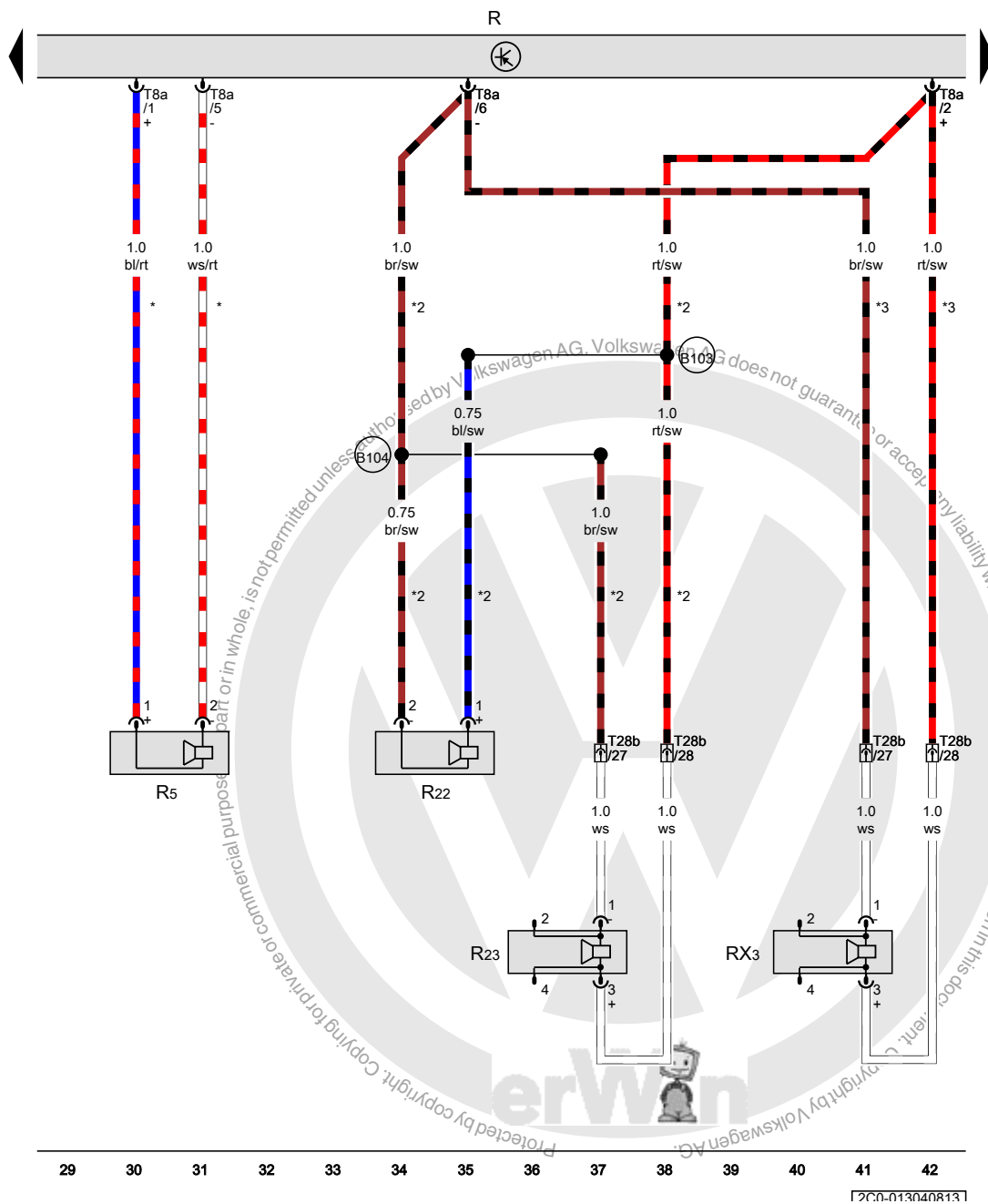


Radio, Front left door loudspeaker, Rear left loudspeaker,
Front left treble loudspeaker, Front left bass loudspeaker

- R Radio
- RX2 Front left door loudspeaker
- R4 Rear left loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T8a 8-pin connector
- T28a 28-pin connector, on left A-pillar
- (B101) Connection (positive, front left speaker), in main wiring harness
- (B102) Connection (negative, front left speaker), in main wiring harness
- * Only models with rear loudspeaker
- *2 Only models with 4 or 6 loudspeakers
- *3 Only models with 2 loudspeakers (8RD)

ws = white
sw = black
ro = red
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bl = blue
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vi = purple
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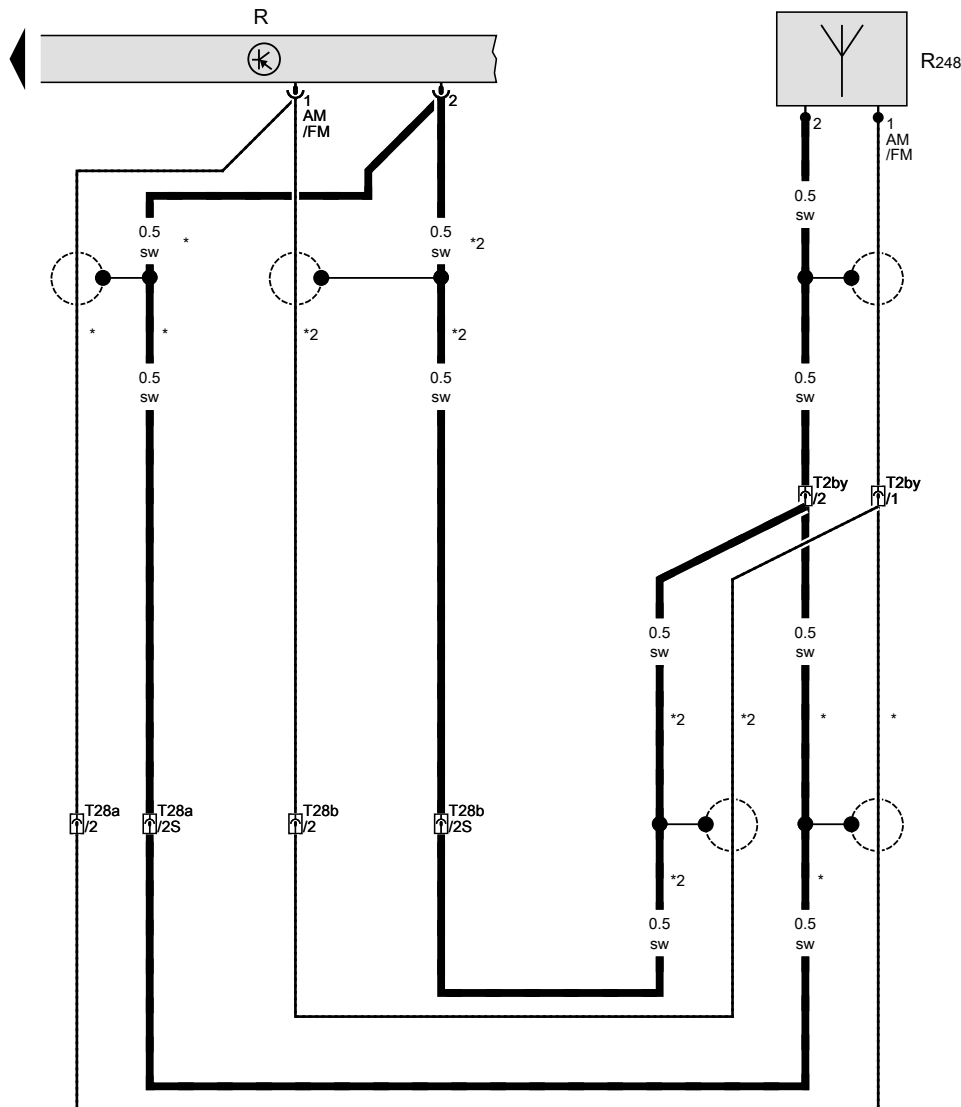
Radio, Front right door loudspeaker, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- R Radio
- RX3 Front right door loudspeaker
- R5 Rear right loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T8a 8-pin connector
- T28b 28-pin connector, on right A-pillar

B103 Connection (positive, front right speaker), in main wiring harness

B104 Connection (negative, front right speaker), in main wiring harness

- * Only models with rear loudspeaker
- *2 Only models with 4 or 6 loudspeakers
- *3 Only models with 2 loudspeakers (8RD)



Radio, Radio aerial

- R Radio
- R248 Radio aerial, in driver side exterior mirror housing
- T2by 2-pin connector, in driver door
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar
- * Only left-hand drive models
- *2 Only right-hand drive models

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- bl = blue
- gr = grey
- li = purple
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- or = orange
- rs = pink

43 44 45 46 47 48 49 50 51 52 53 54 55 56

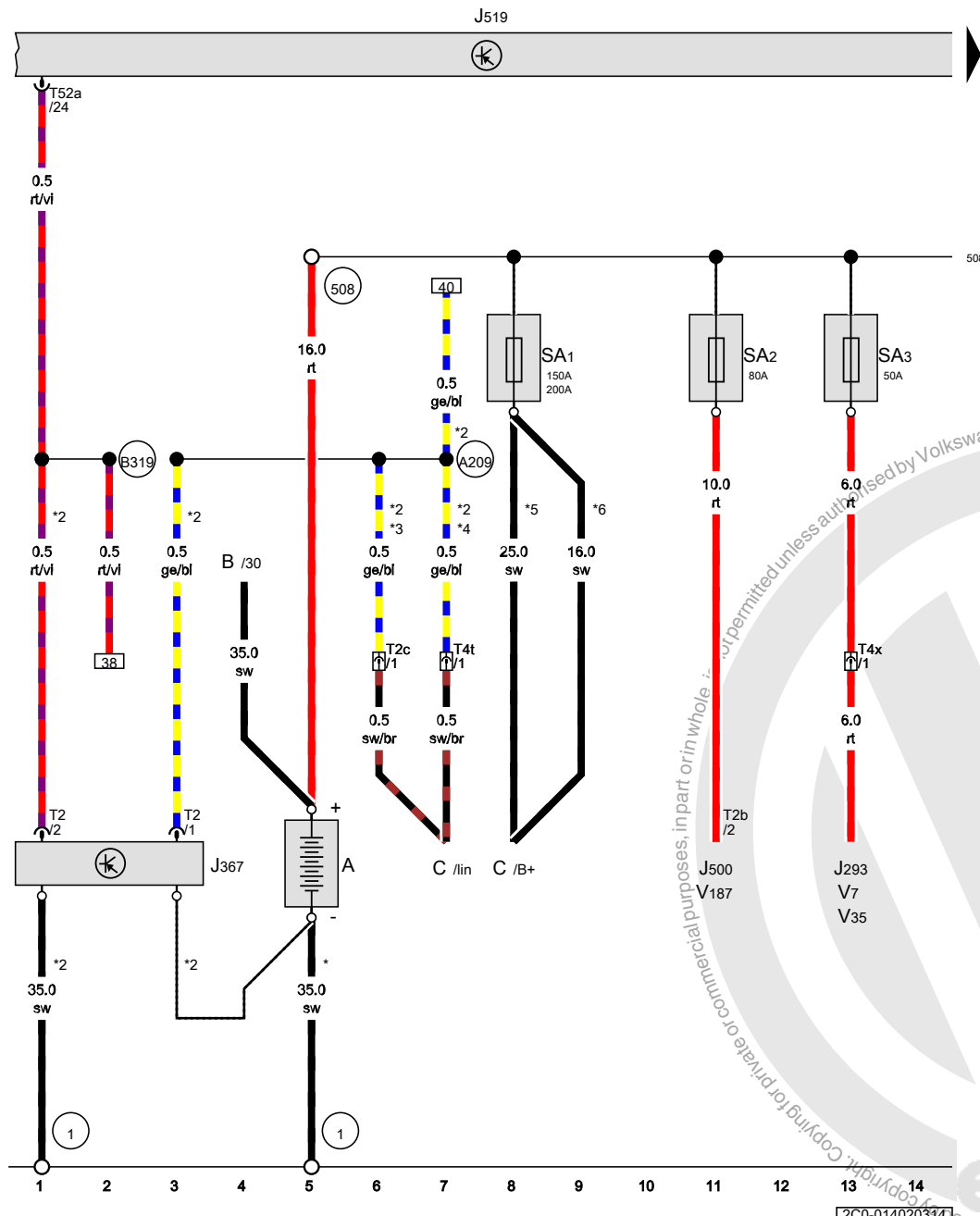
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Fuse assignment for E-box, Low

From August 2010

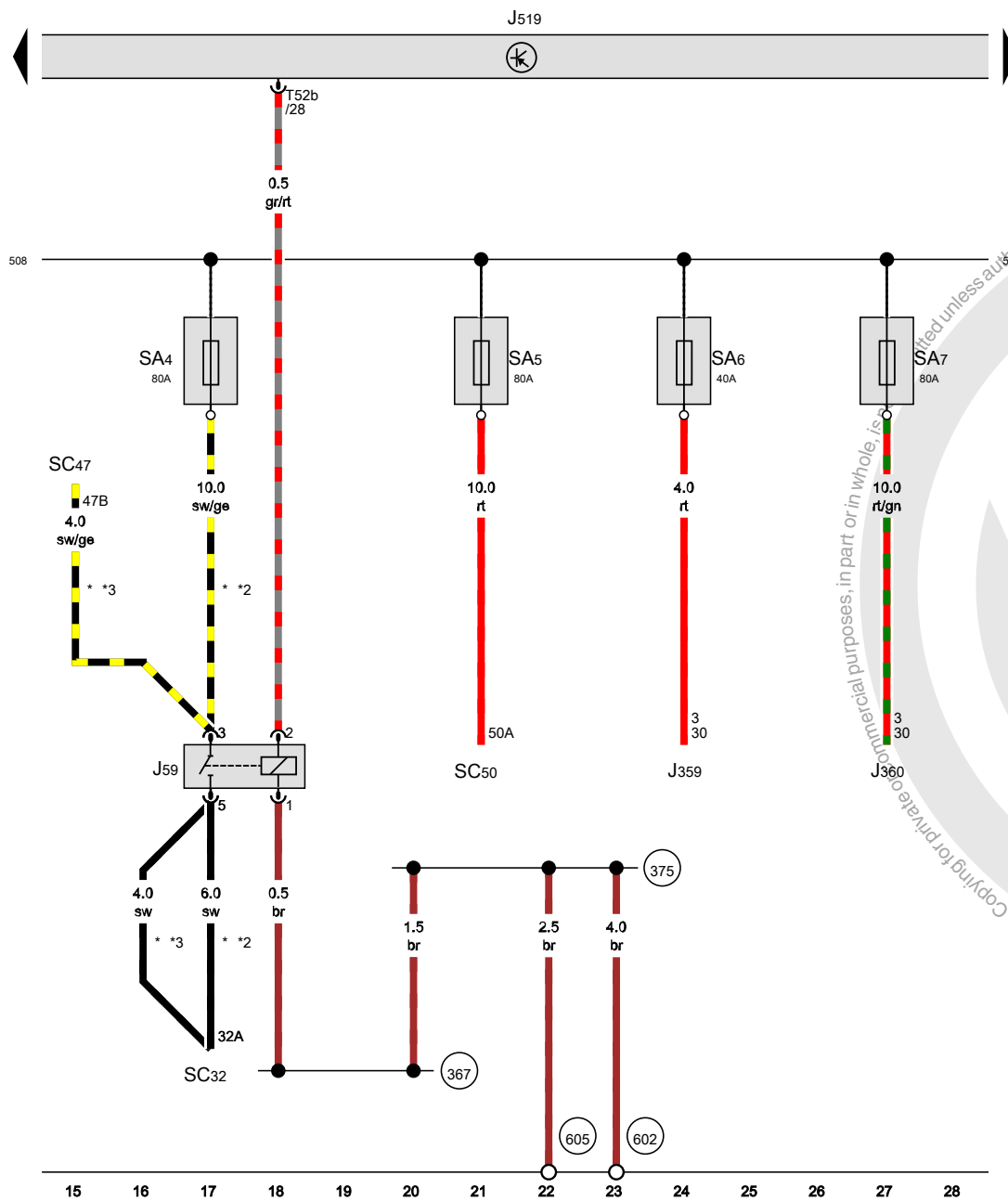


Battery, Battery monitor control unit, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 2 in fuse holder A, Fuse 3 in fuse holder A



- A Battery
- B Starter
- C Alternator
- J293 Radiator fan control unit
- J367 Battery monitor control unit
- J500 Power steering control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA2 Fuse 2 in fuse holder A
- SA3 Fuse 3 in fuse holder A
- T2 2-pin connector
- T2b 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T4x 4-pin connector, black
- T52a 52-pin connector, black
- V7 Radiator fan
- V35 Right radiator fan
- V187 Electromechanical power steering motor
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only models with no start/stop system
- *2 Only models with start/stop system
- *3 Only models with no air conditioning system
- *4 Only models with air conditioning system
- *5 Only models with 140 A alternator
- *6 Only models with 90 A/120 A alternator

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

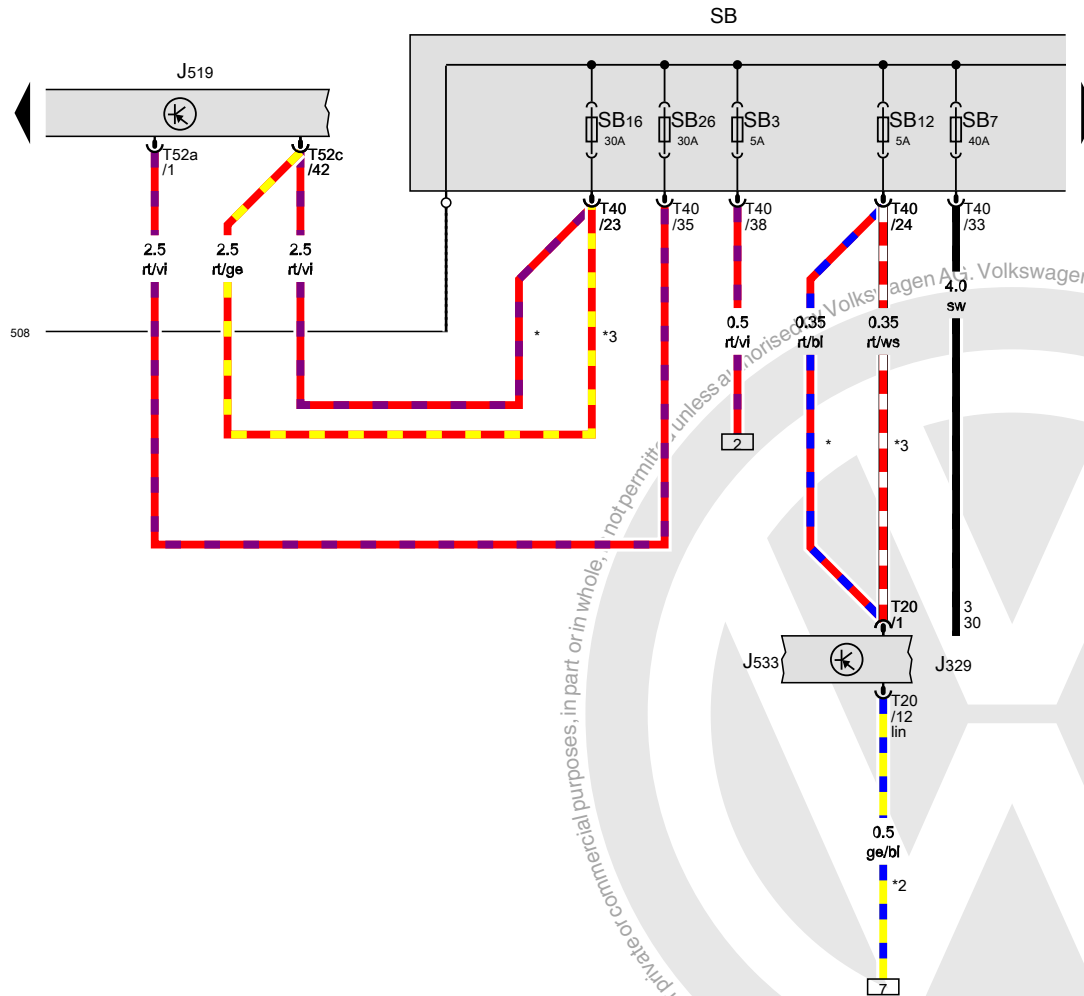


X-contact relief relay, Onboard supply control unit, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A, Fuse 6 in fuse holder A, Fuse 7 in fuse holder A

- J59 X-contact relief relay
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SA6 Fuse 6 in fuse holder A
- SA7 Fuse 7 in fuse holder A
- SC32 Fuse 32 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T52b 52-pin connector, white
- 367 Earth connection 2, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 508 Threaded connection (30) on E-box
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- * From November 2012
- *2 Only models with no Climatronic
- *3 Only models with Climatronic

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

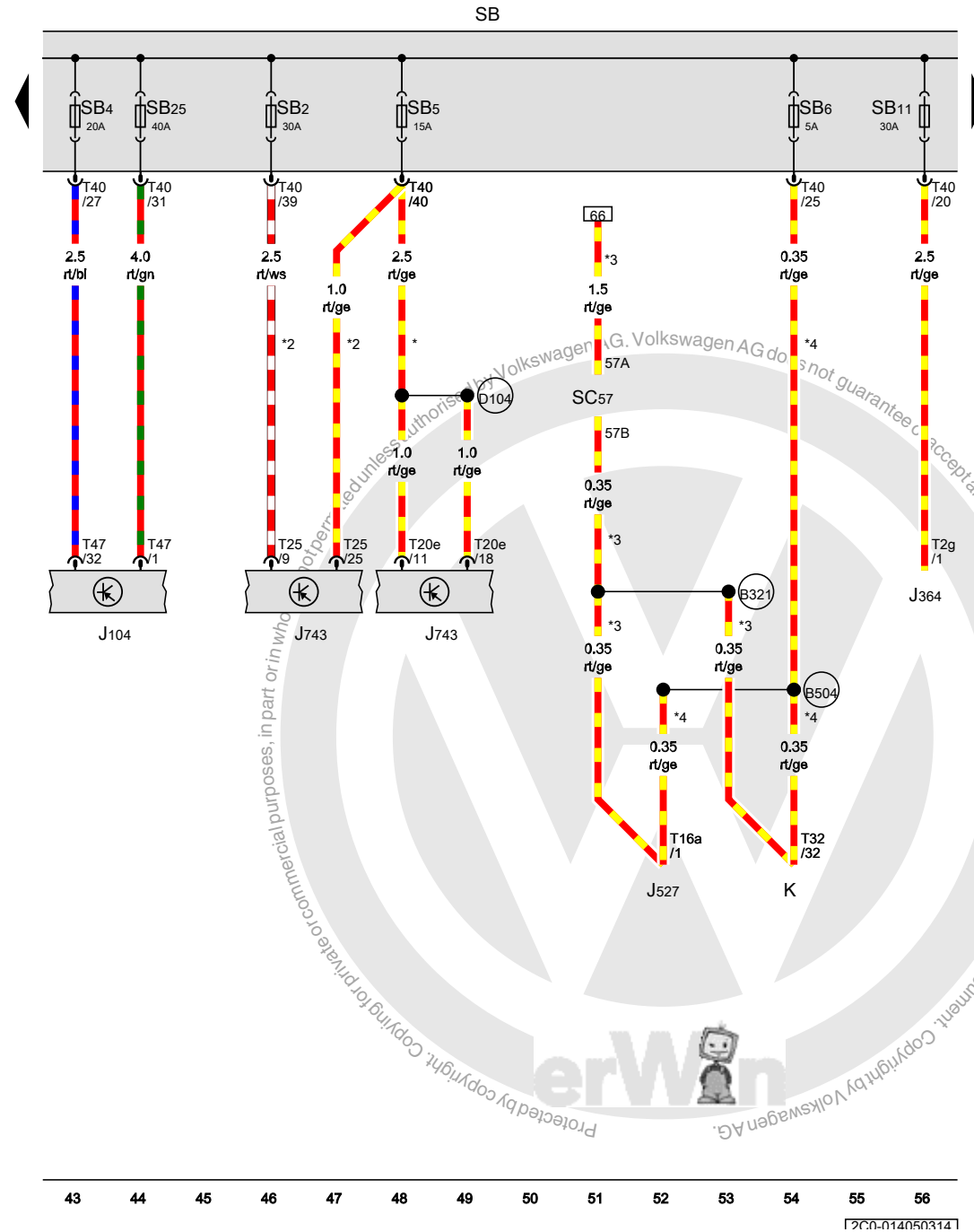
12C0-0140303141



Onboard supply control unit, Fuse holder B, Fuse 3 on fuse holder B, Fuse 7 on fuse holder B, Fuse 12 on fuse holder B, Fuse 16 on fuse holder B, Fuse 26 on fuse holder B

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB26 Fuse 26 on fuse holder B
- T20 20-pin connector, red
- T40 40-pin connector
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- 508 Threaded connection (30) on E-box
- * Only left-hand drive models
- *2 Only models with start/stop system
- *3 Only right-hand drive models

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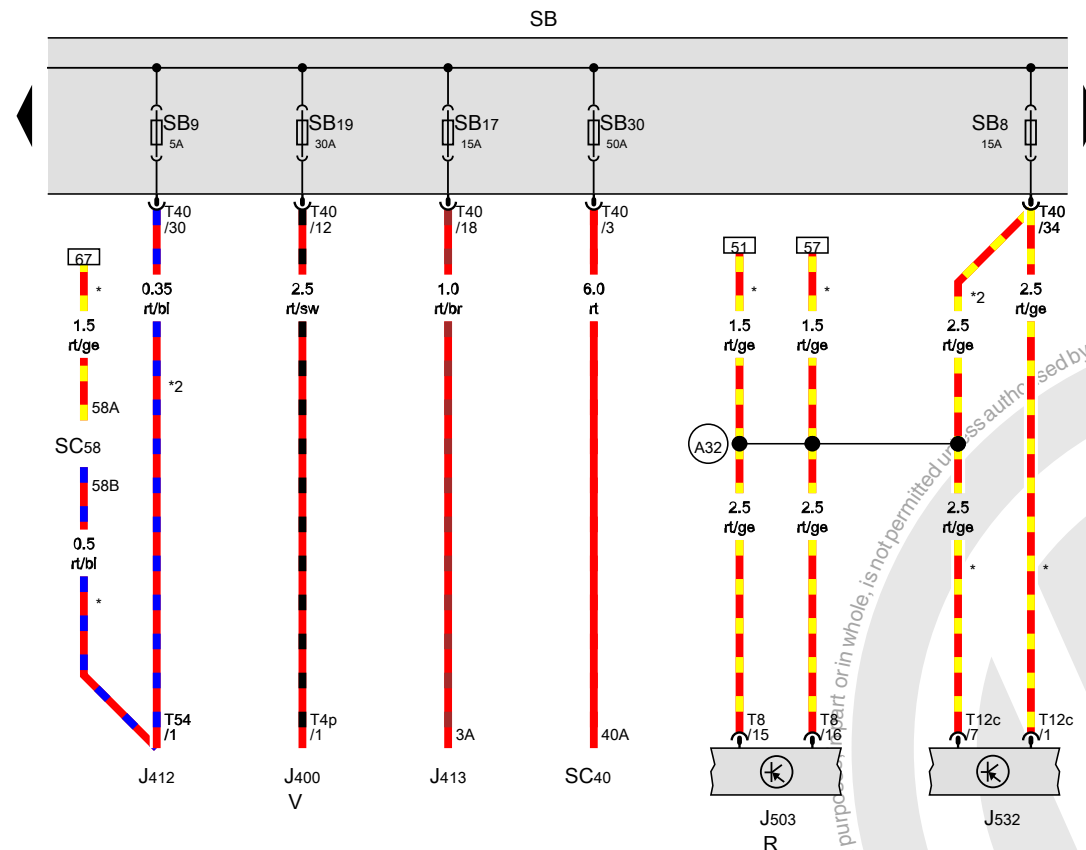


Fuse holder B, Fuse 2 on fuse holder B, Fuse 4 on fuse holder B, Fuse 5 on fuse holder B, Fuse 6 on fuse holder B, Fuse 11 on fuse holder B, Fuse 25 on fuse holder B

- J104 ABS control unit
- J364 Auxiliary heater control unit
- J527 Steering column electronics control unit
- J743 Mechatronic unit for dual clutch gearbox
- K Dash panel insert
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB11 Fuse 11 on fuse holder B
- SB25 Fuse 25 on fuse holder B
- SC57 Fuse 57 on fuse holder C
- T2g 2-pin connector, black
- T16a 16-pin connector
- T20e 20-pin connector, black
- T25 25-pin connector, black
- T32 32-pin connector, blue
- T40 40-pin connector
- T47 47-pin connector

- B321 Positive connection 7 (30a) in main wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness
- D104 Positive connection 2 (30a), in engine compartment wiring harness
- * Only models with dual clutch gearbox 02E
- *2 Only models with dual clutch gearbox 0AM
- *3 Only models with start/stop system
- *4 Only models with no start/stop system

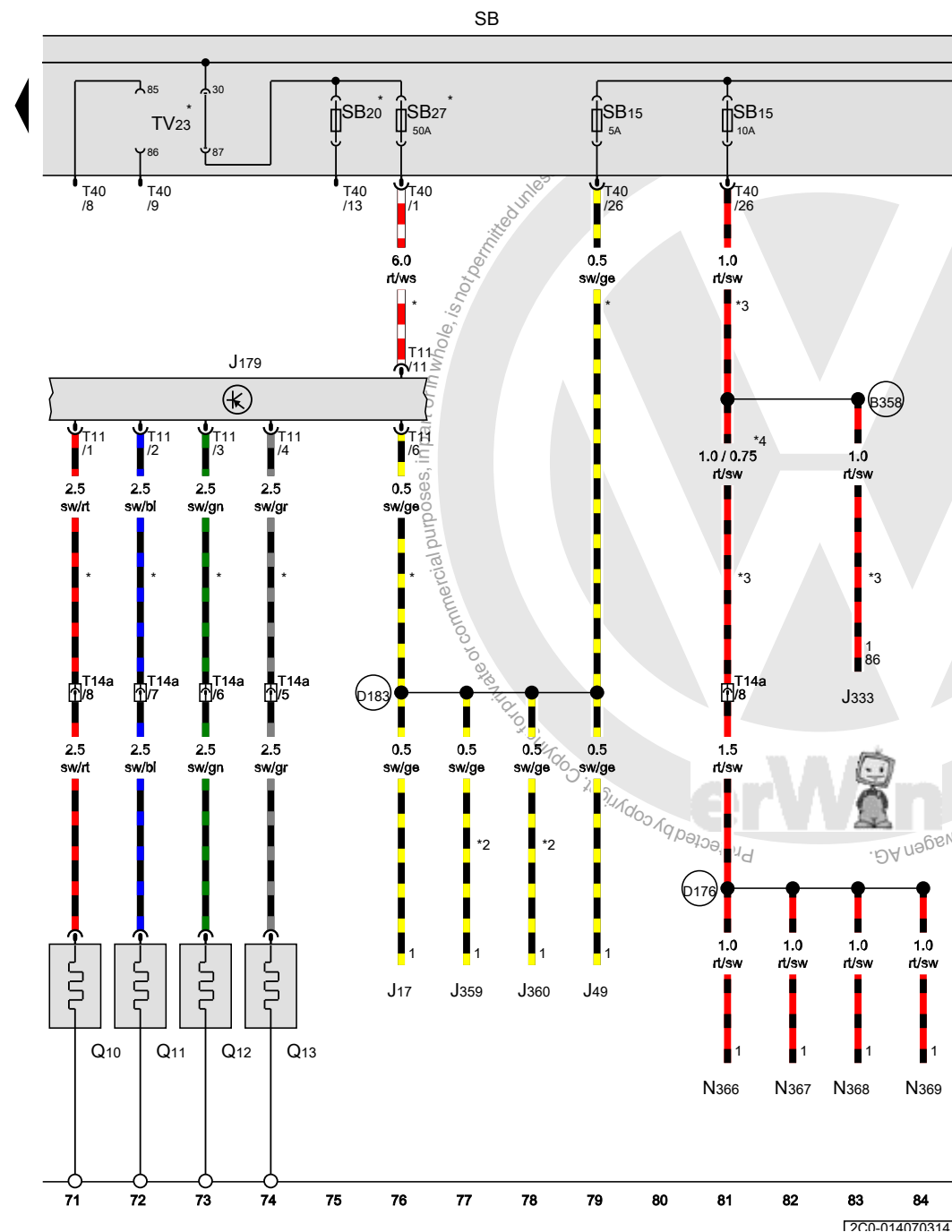
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Radio, Fuse holder B, Fuse 8 on fuse holder B, Fuse 9 on fuse holder B, Fuse 17 on fuse holder B, Fuse 19 on fuse holder B, Fuse 30 on fuse holder B

- J400 Wiper motor control unit
- J412 Mobile telephone operating electronics control unit, under seat on front right
- J413 Horn relay
- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- R Radio
- SB Fuse holder B
- SB8 Fuse 8 on fuse holder B
- SB9 Fuse 9 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SB19 Fuse 19 on fuse holder B
- SB30 Fuse 30 on fuse holder B
- SC40 Fuse 40 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T4p 4-pin connector, black
- T8 8-pin connector, black
- T12c 12-pin connector, black
- T40 40-pin connector
- T54 54-pin connector
- V Windscreen wiper motor
- A32 Positive connection (30), in dash panel wiring harness
- * Only models with start/stop system
- *2 Only models with no start/stop system

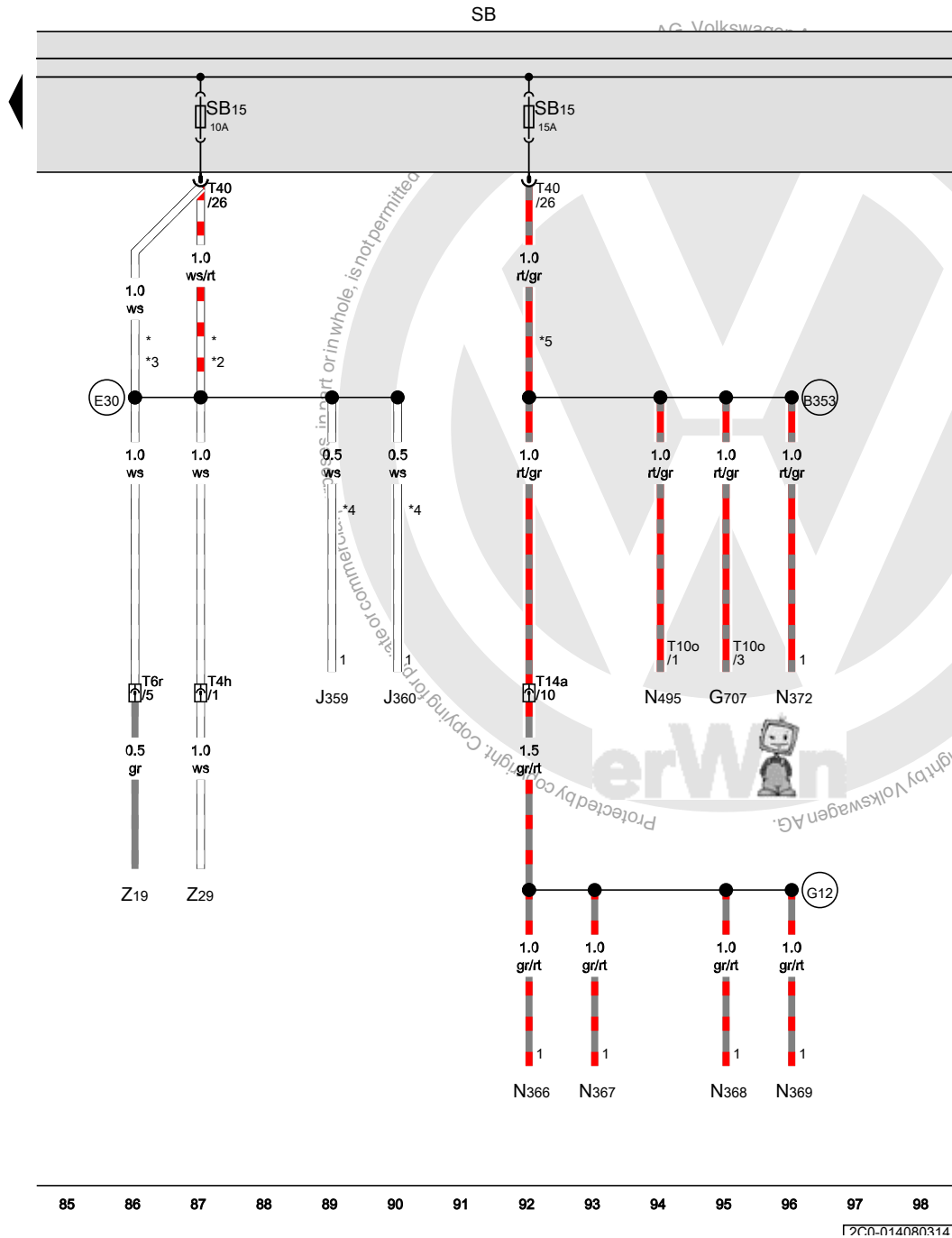
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Fuse holder B, Fuse 15 on fuse holder B, Push-in bridge

- J17 Fuel pump relay
- J49 Electric fuel pump 2 relay
- J179 Automatic glow period control unit, on left under E-box
- J333 Fuel pump switch-off relay
- J359 Low heat output relay
- J360 High heat output relay
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector

- B358 Positive connection 9 (87a) in main wiring harness
- D176 Connection (gas injector), in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with diesel engine
- *2 Only models with auxiliary air heater
- *3 Only models with natural gas engine
- *4 From November 2011



Fuse holder B, Fuse 15 on fuse holder B

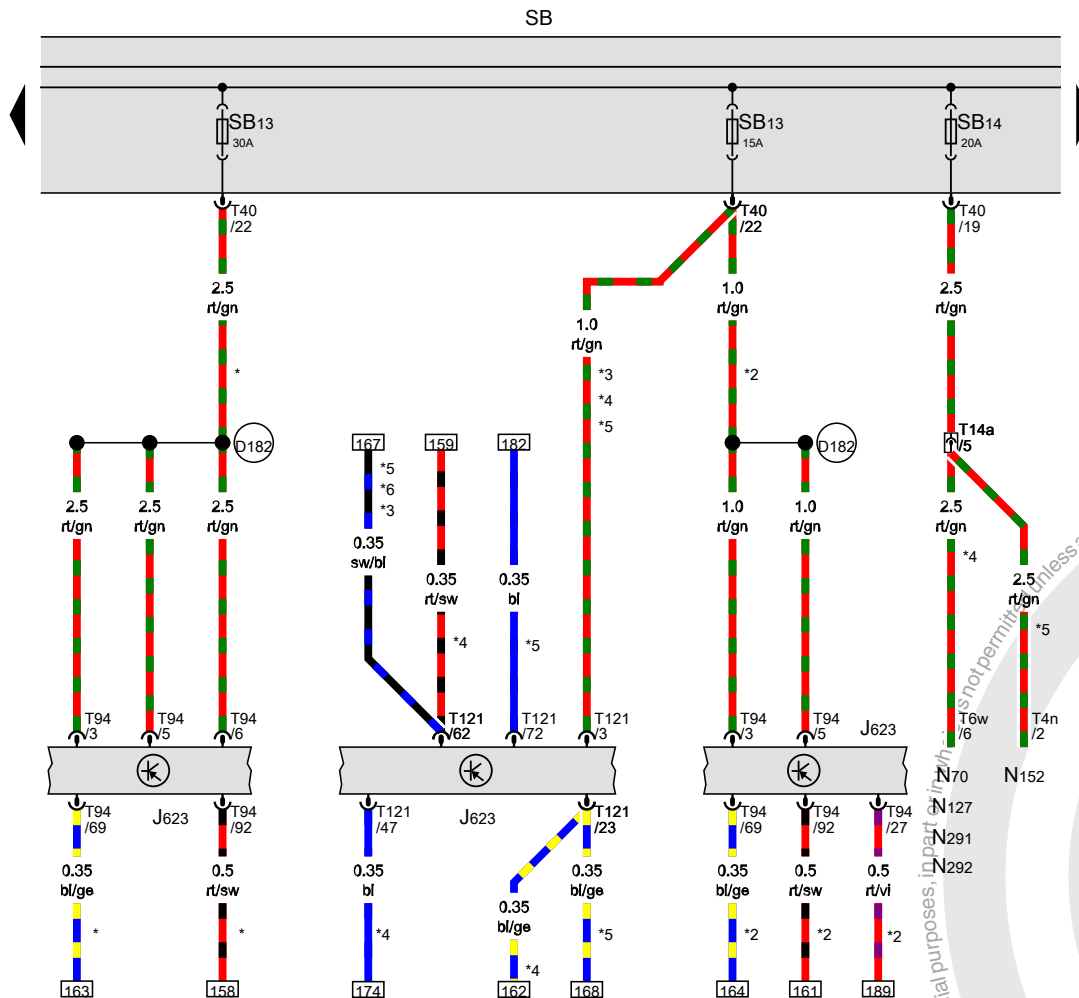
- G707 Gas gauge sender
- J359 Low heat output relay
- J360 High heat output relay
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N372 High-pressure valve for gas mode
- N495 Gas tank valve
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T10o 10-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

B353 Positive connection 4 (87a) in main wiring harness

E30 Connection (87a), in engine wiring harness

G12 Connection 1 in gas mode wiring harness

- * Only models with 1.2l engine
- *2 Up to October 2011
- *3 From November 2011
- *4 Only models with auxiliary air heater
- *5 Only models with BiFuel engine



Fuse holder B, Fuse 13 on fuse holder B, Fuse 14 on fuse holder B

J623 Engine control unit, central in plenum chamber

N70 Ignition coil 1 with output stage

N127 Ignition coil 2 with output stage

N152 Ignition transformer

N291 Ignition coil 3 with output stage

N292 Ignition coil 4 with output stage

SB Fuse holder B

SB13 Fuse 13 on fuse holder B

SB14 Fuse 14 on fuse holder B

T4n 4-pin connector, black

T6w 6-pin connector, black

T14a 14-pin connector, near left headlight

T40 40-pin connector

T94 94-pin connector

T121 121-pin connector

D182 Connection 3 (87a) in engine compartment wiring harness

* Only models with diesel engine

*2 Only models with 1.2l engine

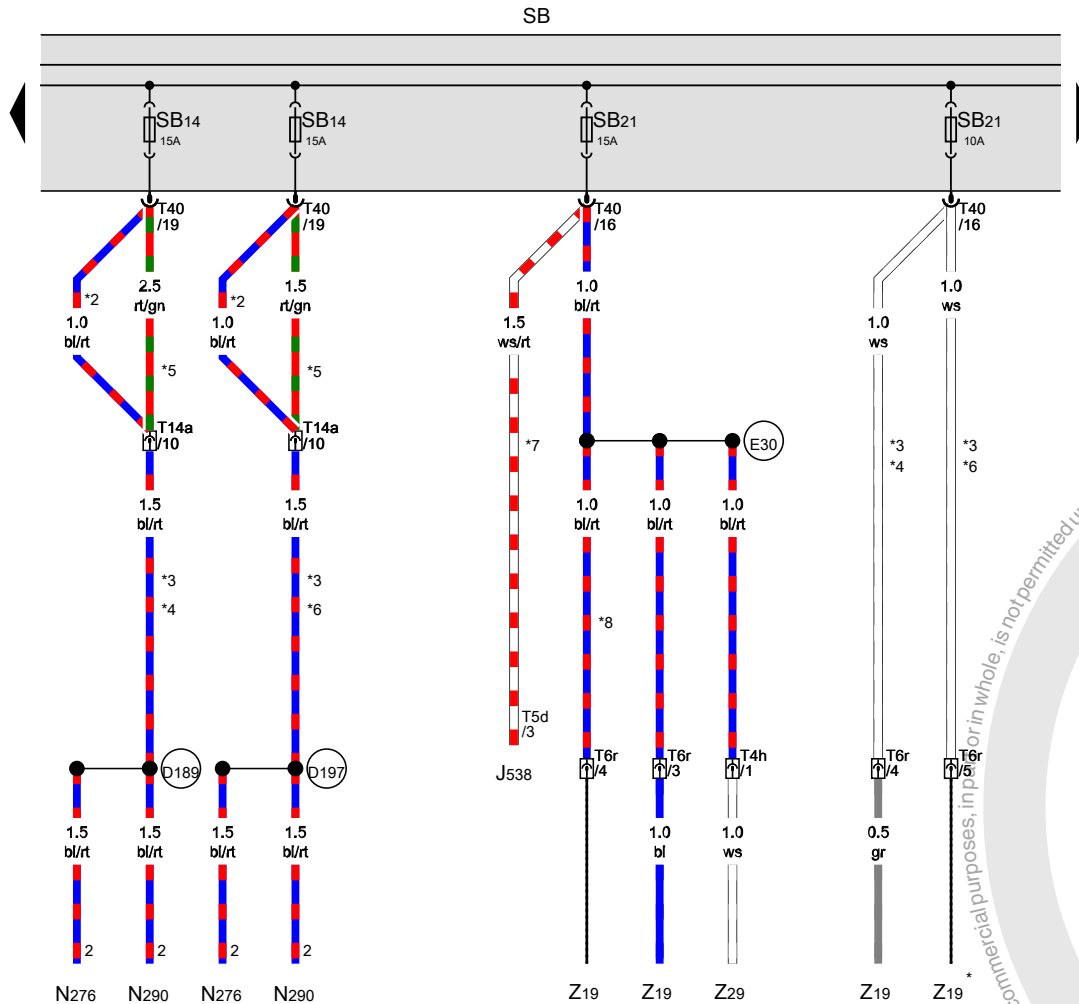
*3 Only models with petrol engine

*4 Only models with natural gas engine

*5 Only models with BiFuel engine

*6 Only models with 1.6l engine

ws = white
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ro = red
rt = red
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li = purple
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rs = pink



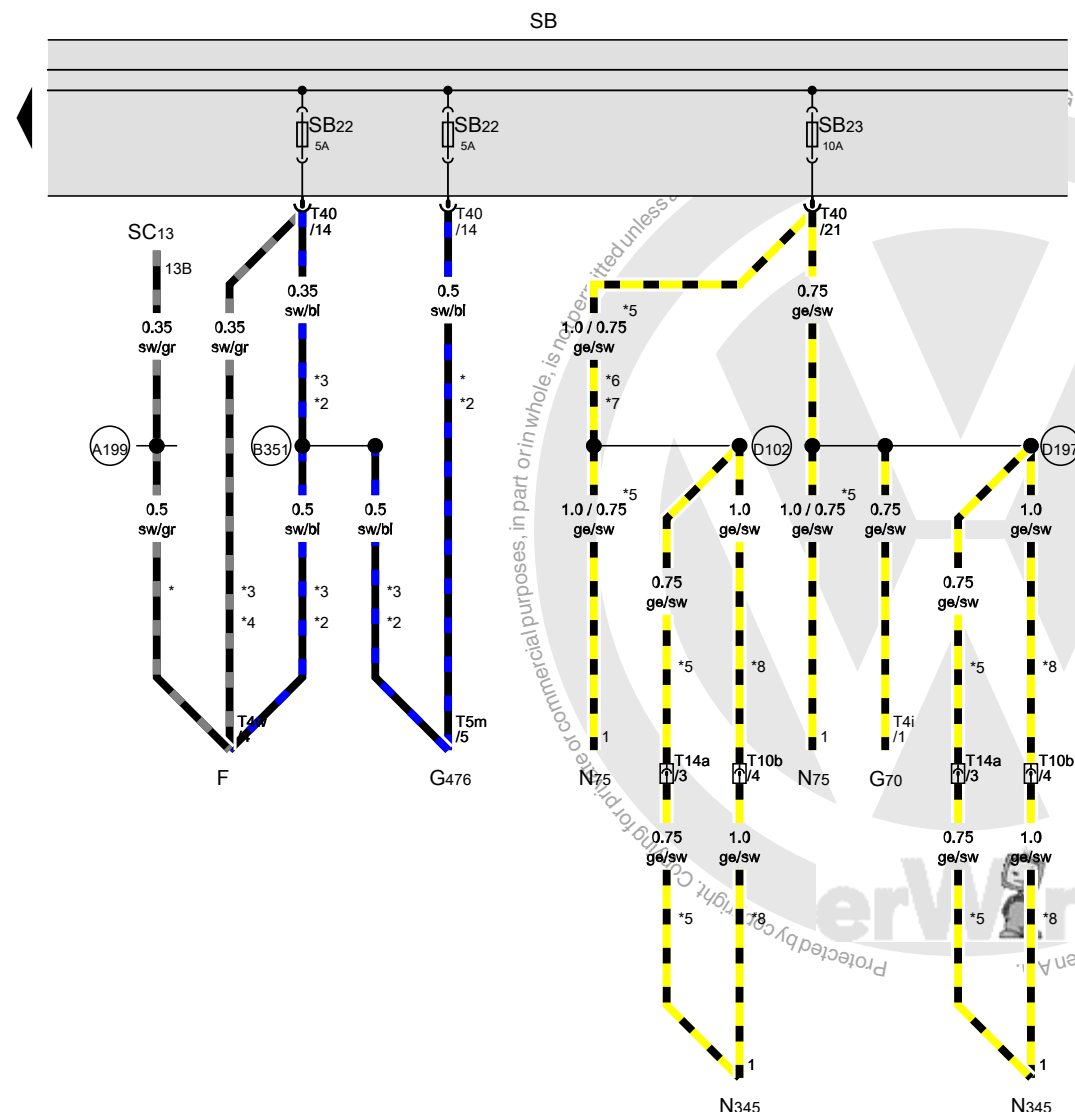
Fuse holder B, Fuse 14 on fuse holder B, Fuse 21 on fuse holder B

- J538 Fuel pump control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- T4h 4-pin connector, in rear of engine compartment, black
- T5d 5-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

- D189 Connection (87a) in engine prewiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- E30 Connection (87a), in engine wiring harness

- * Only models with Euro 5 emission standard
- *2 From November 2011
- *3 Only models with diesel engine
- *4 Only models with 2.0l engine
- *5 Up to October 2011
- *6 Only models with 1.6l engine
- *7 Only models with 1.2l engine
- *8 Only models with natural gas engine

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- bl = blue
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- vi = purple
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- rs = pink



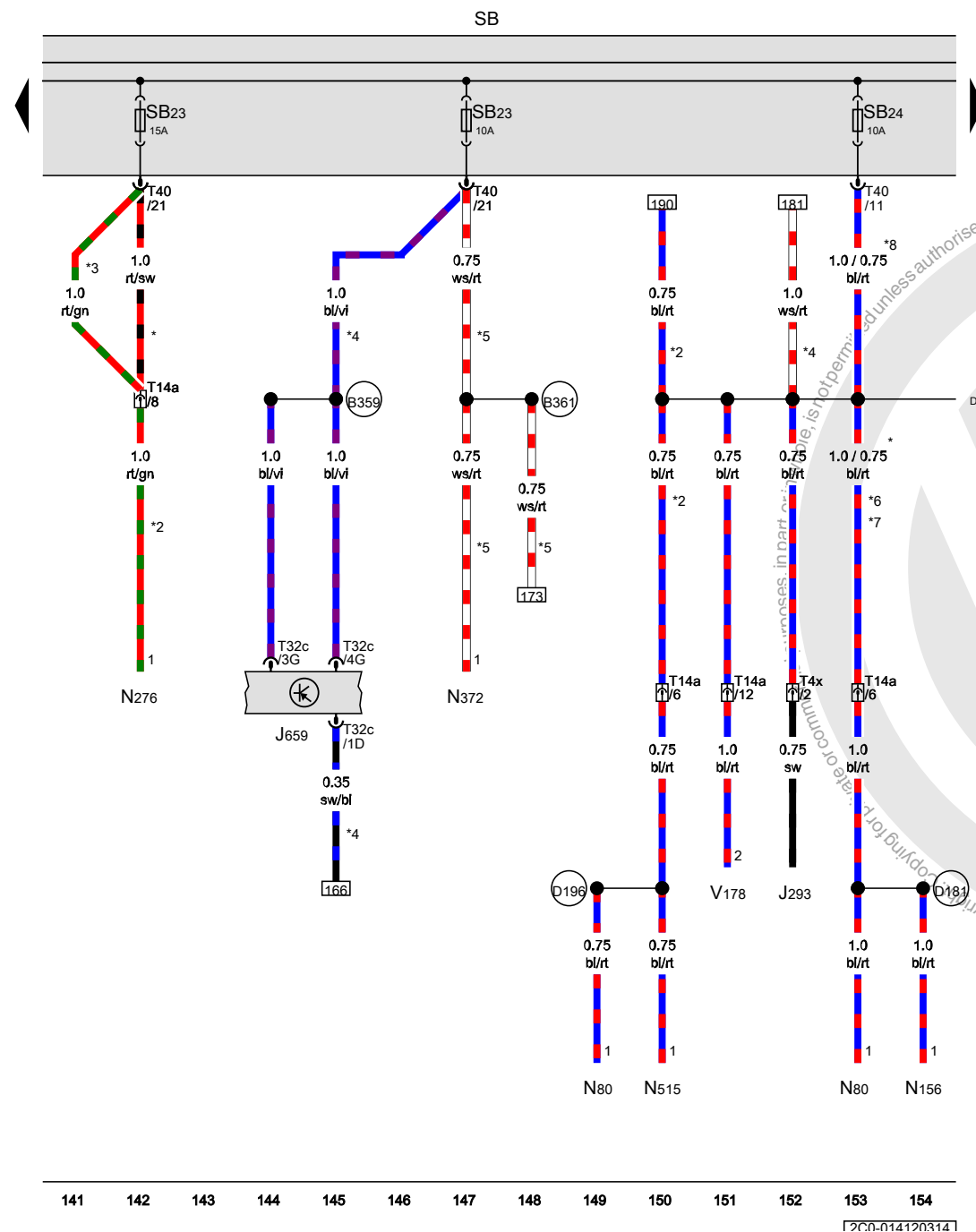
Fuse holder B, Fuse 22 on fuse holder B, Fuse 23 on fuse holder B

- F Brake light switch
- G70 Air mass meter
- G476 Clutch position sender
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- SB Fuse holder B
- SC13 Fuse 13 on fuse holder C
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T4i 4-pin connector, black
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T10b 10-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector

- A199 Positive connection 4 (15a) in dash panel wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness

- * Up to October 2011
- *2 Only models with manual gearbox
- *3 From November 2011
- *4 Only models with dual clutch gearbox (DSG)
- *5 From May 2011
- *6 Only models with diesel engine
- *7 Only models with 1.6l engine
- *8 Up to April 2011

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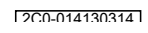
Fuse holder B, Fuse 23 on fuse holder B, Fuse 24 on fuse holder B

- J293 Radiator fan control unit
- J659 Gas mode control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N156 Variable intake manifold changeover valve
- N276 Fuel pressure regulating valve
- N372 High-pressure valve for gas mode
- N515 Coolant regulating valve
- SB Fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T4x 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T32c 32-pin connector, grey
- T40 40-pin connector
- V178 Coolant circulation pump 2

- B359 Positive connection 10 (87a) in main wiring harness
- B361 Positive connection 12 (87a) in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- D196 Connection 2 (87a) in engine prewiring harness

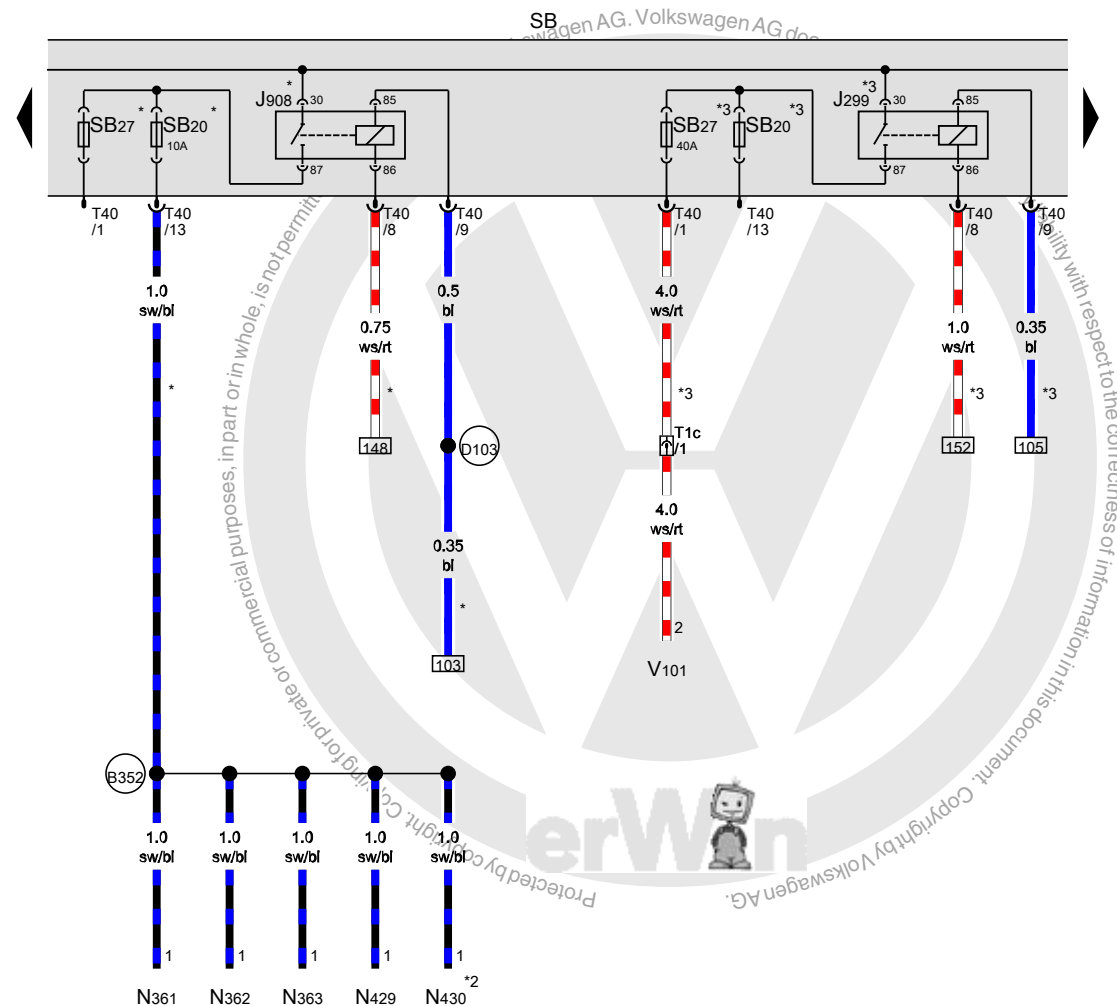
- * From November 2011
- *2 Only models with 1.2l engine
- *3 Up to October 2011
- *4 Only models with BiFuel engine
- *5 Only models with natural gas engine
- *6 Only models with 1.6l engine
- *7 Only models with petrol engine
- *8 According to equipment

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Engine component current supply relay, Fuse holder B, Fuse 10 on fuse holder B

- | | |
|------|---|
| J757 | Engine component current supply relay |
| N30 | Injector, cylinder 1 |
| N31 | Injector, cylinder 2 |
| N32 | Injector, cylinder 3 |
| N33 | Injector, cylinder 4 |
| SB | Fuse holder B |
| SC10 | Fuse 10 on fuse holder C |
| SB10 | Fuse 10 on fuse holder B |
| T14a | 14-pin connector, near left headlight, black |
| T40 | 40-pin connector |
| 131 | Earth connection 2, in engine compartment wiring harness |
| 607 | Earth point, on left in plenum chamber |
| B135 | Connection 1 (15a), in interior wiring harness |
| D52 | Positive connection (15a), in engine compartment wiring harness |
| D78 | Positive connection 1 (30a), in engine compartment wiring harness |
| D95 | Connection (injectors), in engine compartment wiring harness |
| D180 | Connection (87a), in engine compartment wiring harness |
| * | Up to April 2011 |
| *2 | Only models with natural gas engine |
| *3 | From May 2011 |
| *4 | Only models with 1.2l engine |
| *5 | Only models with diesel engine |
| *6 | Only models with BiFuel engine |
| *7 | Only models with 1.6l engine |
| *8 | Only models with petrol engine |
| *9 | From November 2011 |
| *10 | Only Caddy Maxi |



Secondary air pump relay, Relay for gas shut-off valves,
Fuse holder B, Fuse 20 on fuse holder B, Fuse 27 on fuse
holder B

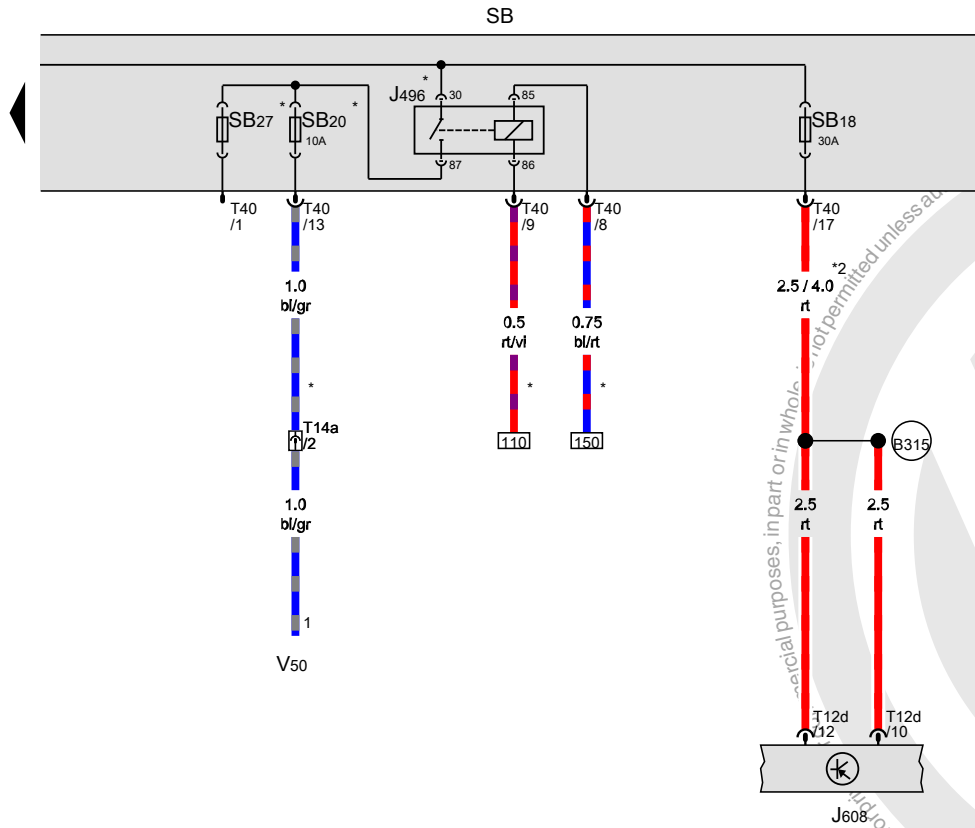
- J299 Secondary air pump relay
- J908 Relay for gas shut-off valves
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- N363 Fuel tank shut-off valve 3
- N429 Fuel tank shut-off valve 4
- N430 Fuel tank shut-off valve 5
- SB Fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T1c Single connector, on left in engine compartment, black
- T40 40-pin connector
- V101 Secondary air pump motor

B352 Positive connection 3 (87a) in main wiring harness

D103 Connection 3 in engine compartment wiring harness

- * Only models with natural gas engine
- *2 Only Caddy Maxi
- *3 Only models with BiFuel engine

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Additional coolant pump relay, Fuse holder B, Fuse 18 on fuse holder B, Fuse 20 on fuse holder B, Fuse 27 on fuse holder B

- J496 Additional coolant pump relay
- J608 Special vehicle control unit
- SB Fuse holder B
- SB18 Fuse 18 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T12d 12-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- V50 Coolant circulation pump
- B315 Positive connection 1 (30a) in main wiring harness

- * Only models with 1.2l engine
- *2 According to equipment

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Trailer coupling

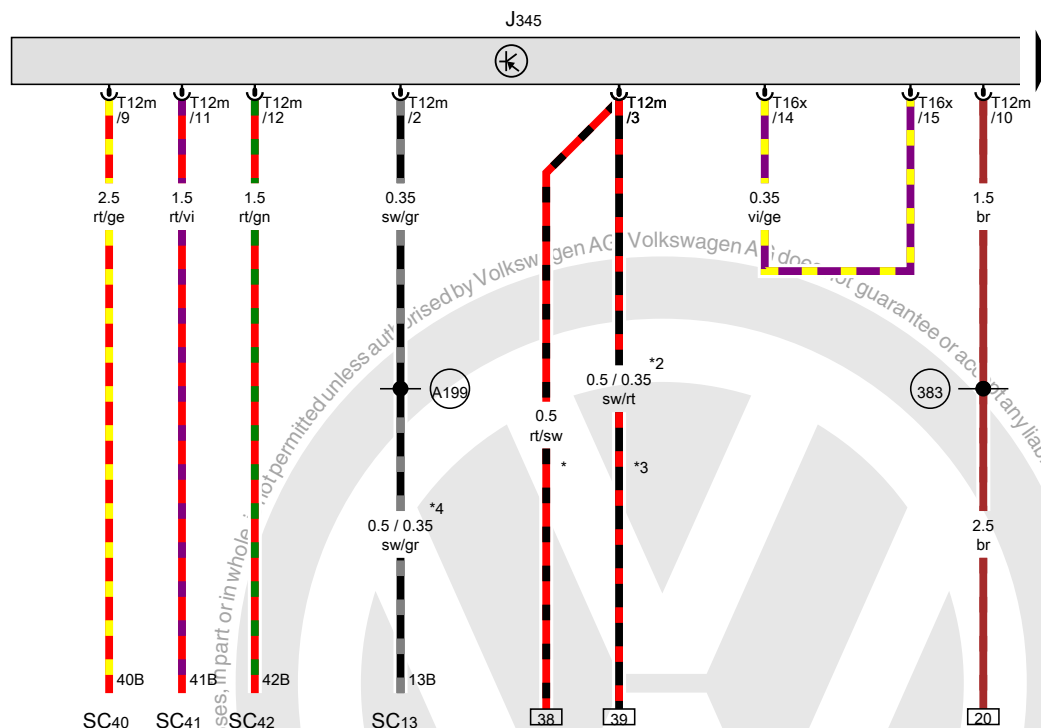
From August 2010



Trailer detector control unit

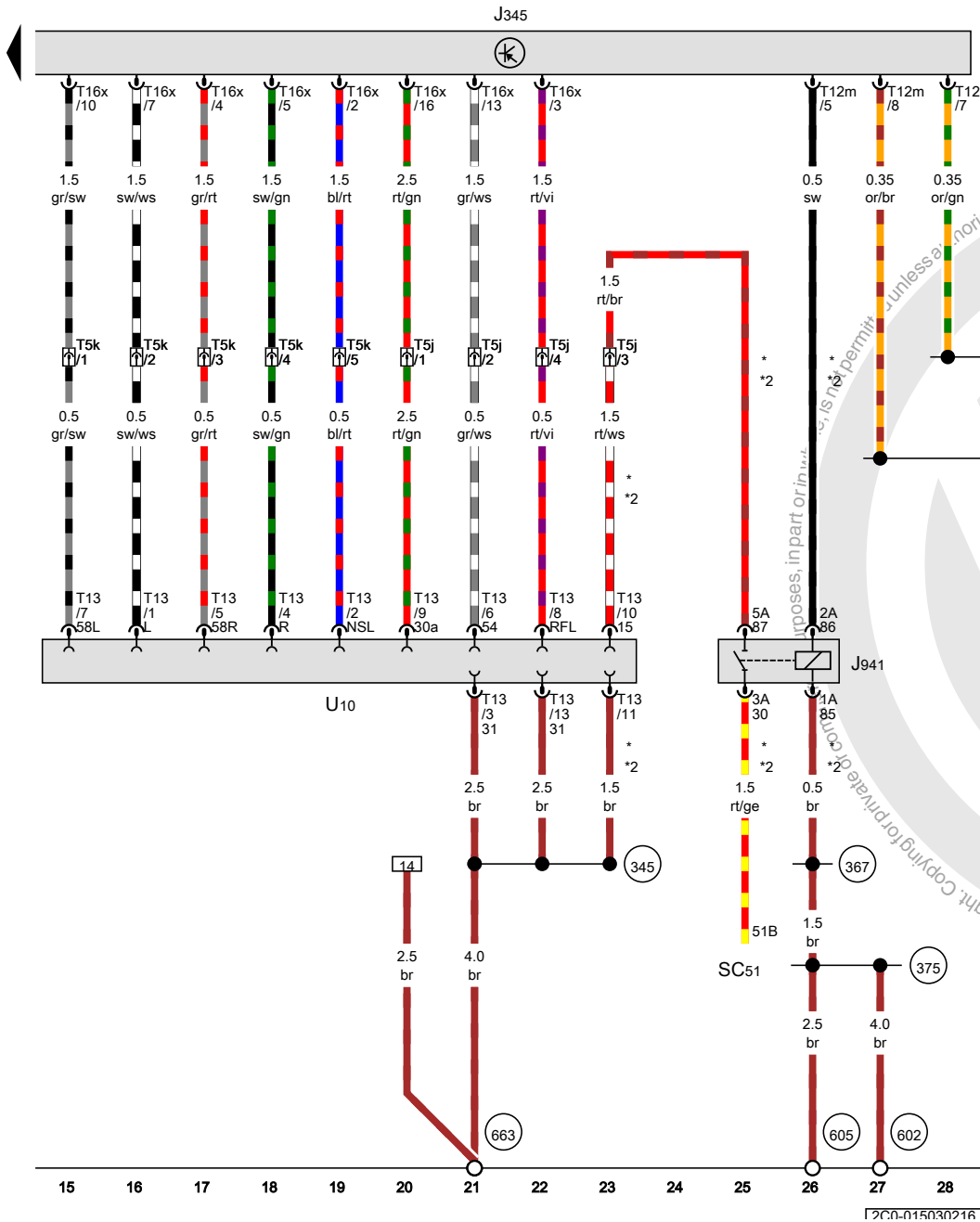
- J345 Trailer detector control unit, in rear right side panel
- SC13 Fuse 13 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- T12m 12-pin connector, red
- T16x 16-pin connector, black

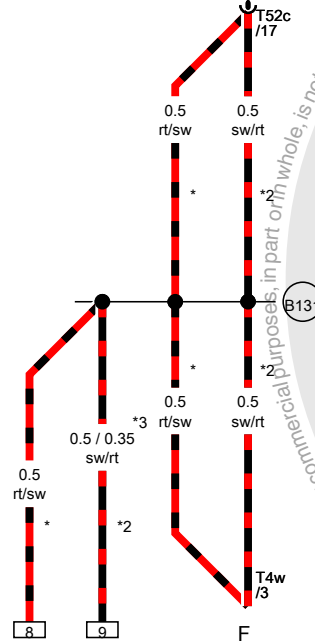
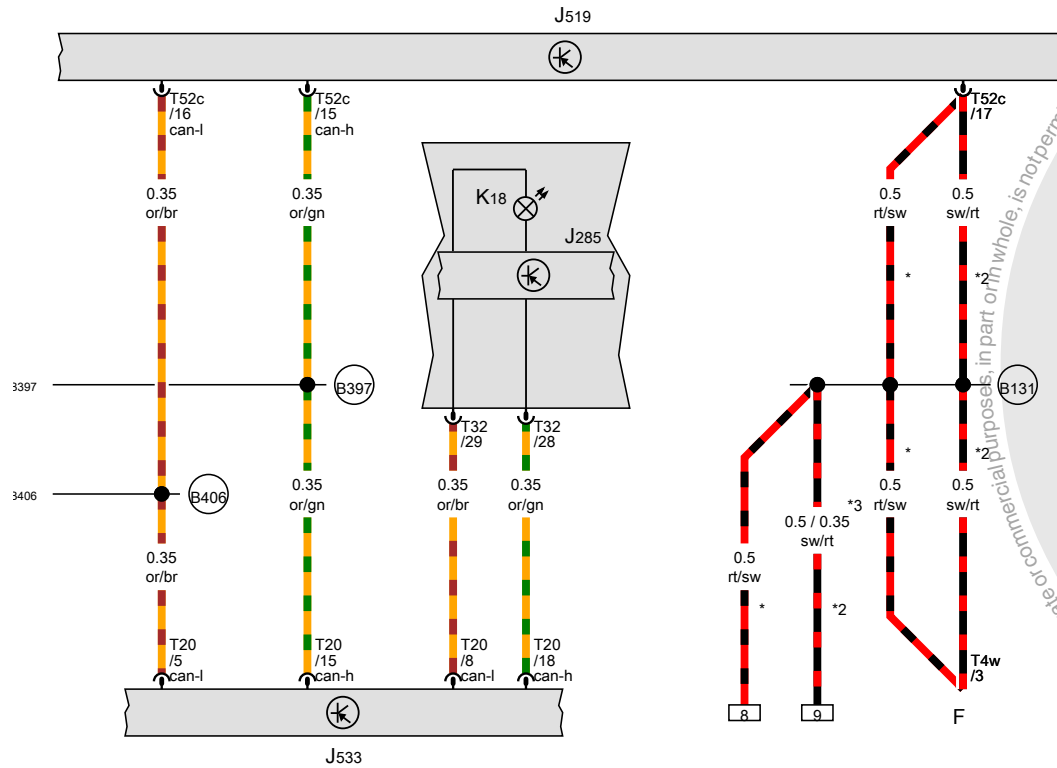
- 383 Earth connection 18, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- * Up to April 2011
- *2 From May 2013
- *3 From May 2011
- *4 From November 2011



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Trailer detector control unit, Trailer voltage supply relay,
Trailer socket





Control unit in dash panel insert, Data bus diagnostic interface, Trailer operation warning lamp

- F Brake light switch
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K18 Trailer operation warning lamp
- T4w 4-pin connector, black
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- B131 Connection (54), 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
- * Up to April 2011
- *2 From May 2011
- *3 From May 2013

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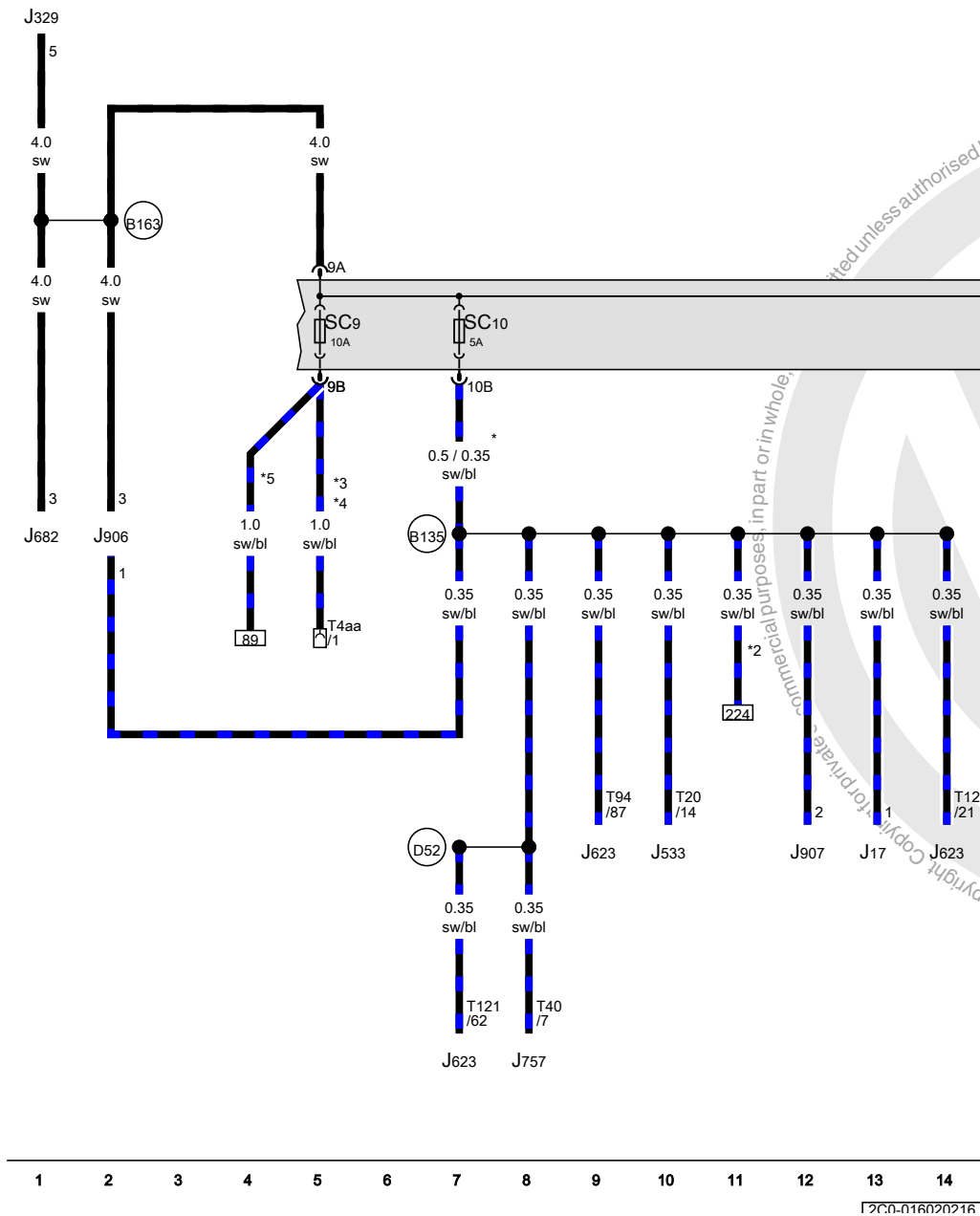
Fuses in interior

From August 2010



Fuse 9 on fuse holder C, Fuse 10 on fuse holder C

- J17 Fuel pump relay
- J329 Terminal 15 voltage supply relay
- J533 Data bus diagnostic interface
- J623 Engine control unit
- J682 Terminal 50 voltage supply relay
- J757 Engine component current supply relay, in E-box
- J906 Starter relay 1
- J907 Starter relay 2
- SC9 Fuse 9 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- T4aa 4-pin connector, Coupling point for in-car video surveillance, black
- T20 20-pin connector, red
- T40 40-pin connector
- T94 94-pin connector
- T121 121-pin connector
- (B135) Connection 1 (15a), in interior wiring harness
- (B163) Positive connection 1 (15), in interior wiring harness
- (D52) Positive connection (15a), in engine compartment wiring harness
- * From November 2012
- *2 Only models with start/stop system
- *3 Only models with special police equipment
- *4 Up to October 2011
- *5 Only models with interface for special functions



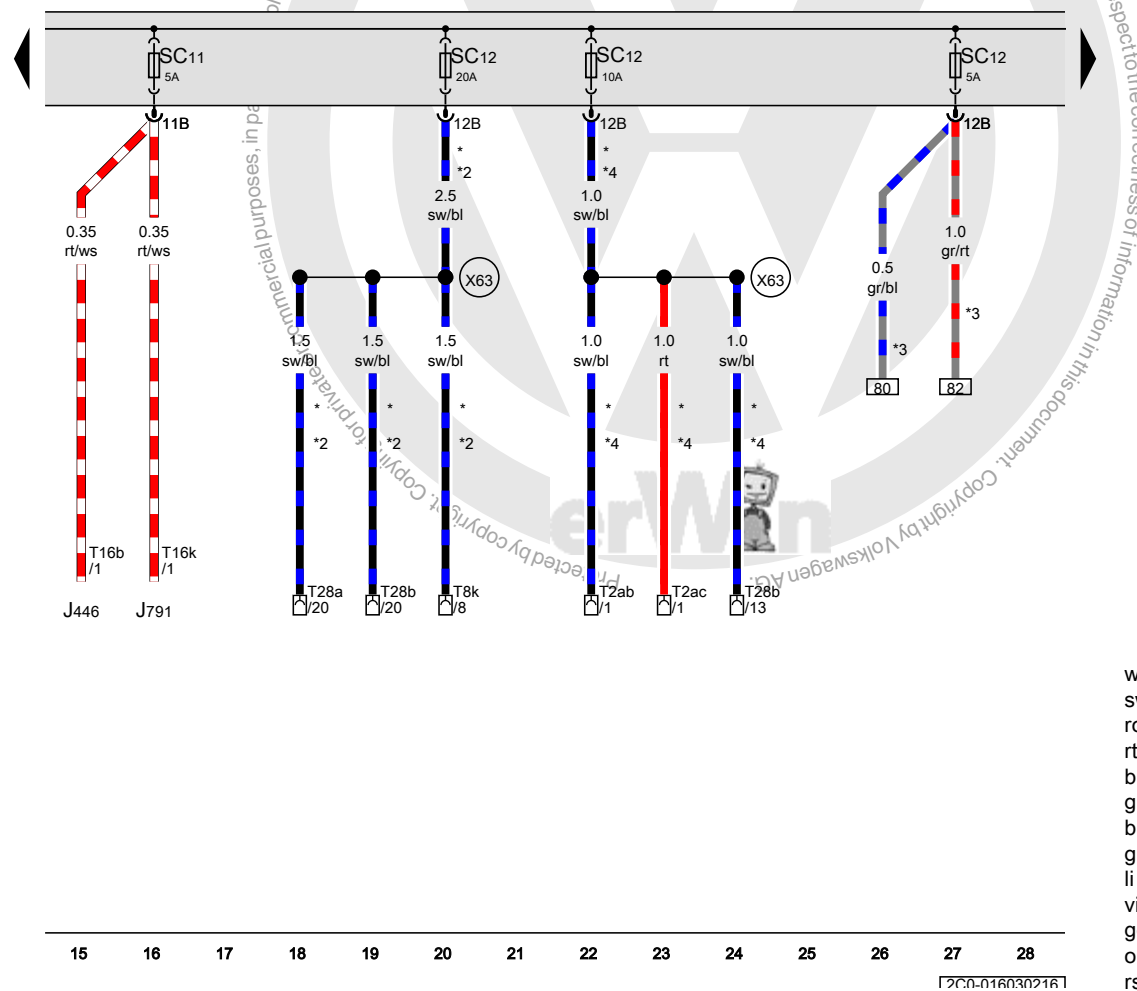
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Fuse 11 on fuse holder C, Fuse 12 on fuse holder C

- J446 Parking aid control unit
- J791 Park assist steering control unit
- SC11 Fuse 11 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- T2ab 2-pin connector, For charging station for electric torch, police, black
- T2ac 2-pin connector, For charging station for hand-held 2-way radio, police, black
- T8k 8-pin connector, black
- T16b 16-pin connector, brown
- T16k 16-pin connector, brown
- T28a 28-pin connector, in left A-pillar coupling station
- T28b 28-pin connector, in right A-pillar coupling station

X63 Positive connection 1 (15a), in optional equipment wiring harness

- * Only models with special police equipment
- *2 From November 2011
- *3 Only models with taxi equipment
- *4 Up to October 2011



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Fuse 13 on fuse holder C

- E102 Headlight range control regulator
- E256 Button for TCS and electronic stabilisation program
- E492 Tyre Pressure Loss Indicator button
- F Brake light switch
- J104 ABS control unit
- J492 All-wheel drive control unit
- J500 Power steering control unit
- SC13 Fuse 13 on fuse holder C
- T3o 3-pin connector, black
- T4w 4-pin connector, black
- T6bs 6-pin connector, white
- T6bv 6-pin connector
- T6z 6-pin connector, near left headlight, black
- T8b 8-pin connector, black
- T8e 8-pin connector, black
- T10i 10-pin connector, on left headlight, black
- T10j 10-pin connector, on right headlight, black
- T47 47-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor

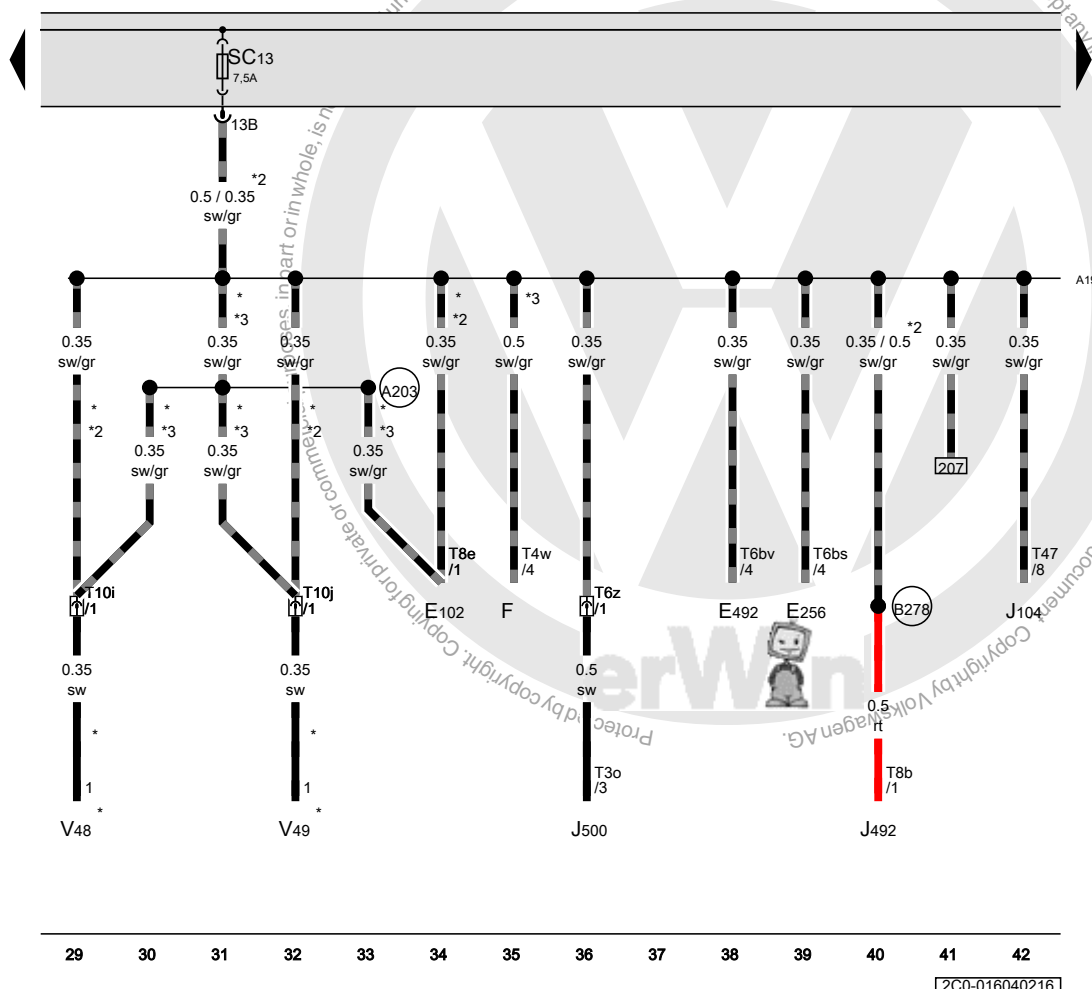
A199 Positive connection 4 (15a) in dash panel wiring harness

A203 Positive connection 7 (15a) in dash panel wiring harness

B278 Positive connection 2 (15a) in main wiring harness

- * Only models with no automatic headlight range control
- *2 From November 2011
- *3 Up to October 2011

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bl = blue
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Fuse 14 on fuse holder C

- E313 Selector lever
- E693 Start/Stop operation button
- F4 Reversing light switch
- G70 Air mass meter
- J485 Auxiliary heater operation relay
- J743 Mechatronic unit for dual clutch gearbox
- N79 Heater element for crankcase breather
- N80 Activated charcoal filter solenoid valve 1
- SC14 Fuse 14 on fuse holder C
- T3ag 3-pin connector, black
- T6l 6-pin connector, blue
- T10u 10-pin connector, under selector lever
- T14a 14-pin connector, near left headlight, black
- T16 16-pin connector
- T20e 20-pin connector, black
- T25 25-pin connector, black
- U31 Diagnostic connection, on left under dash panel

A192 Positive connection 3 (15a) in dash panel wiring harness

A199 Positive connection 4 (15a) in dash panel wiring harness

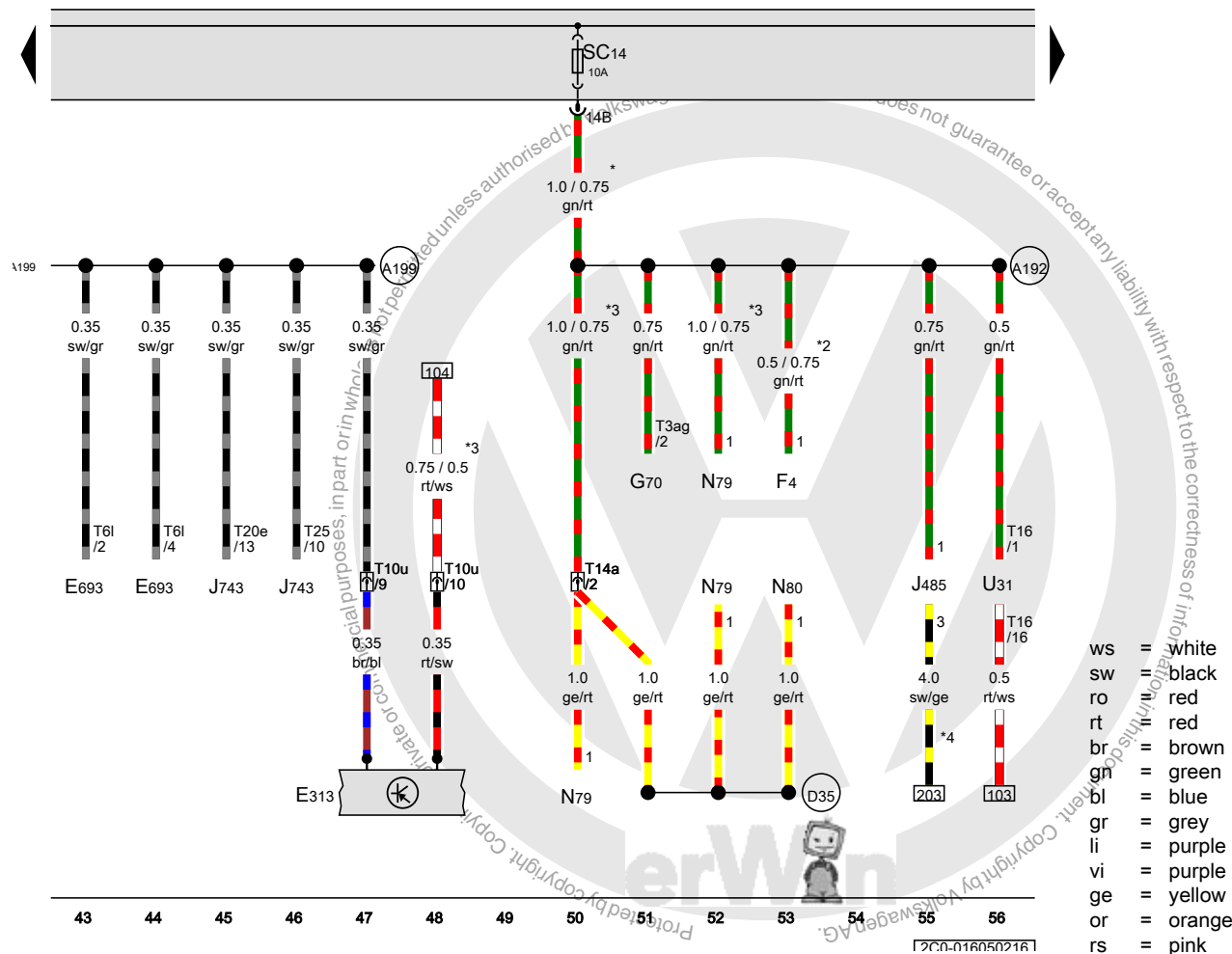
D35 Positive connection 1 (15a) in engine prewiring harness

* From May 2011

*2 From May 2012

*3 From November 2011

*4 Only models with no Climatronic



Fuse 15 on fuse holder C, Fuse 16 on fuse holder C

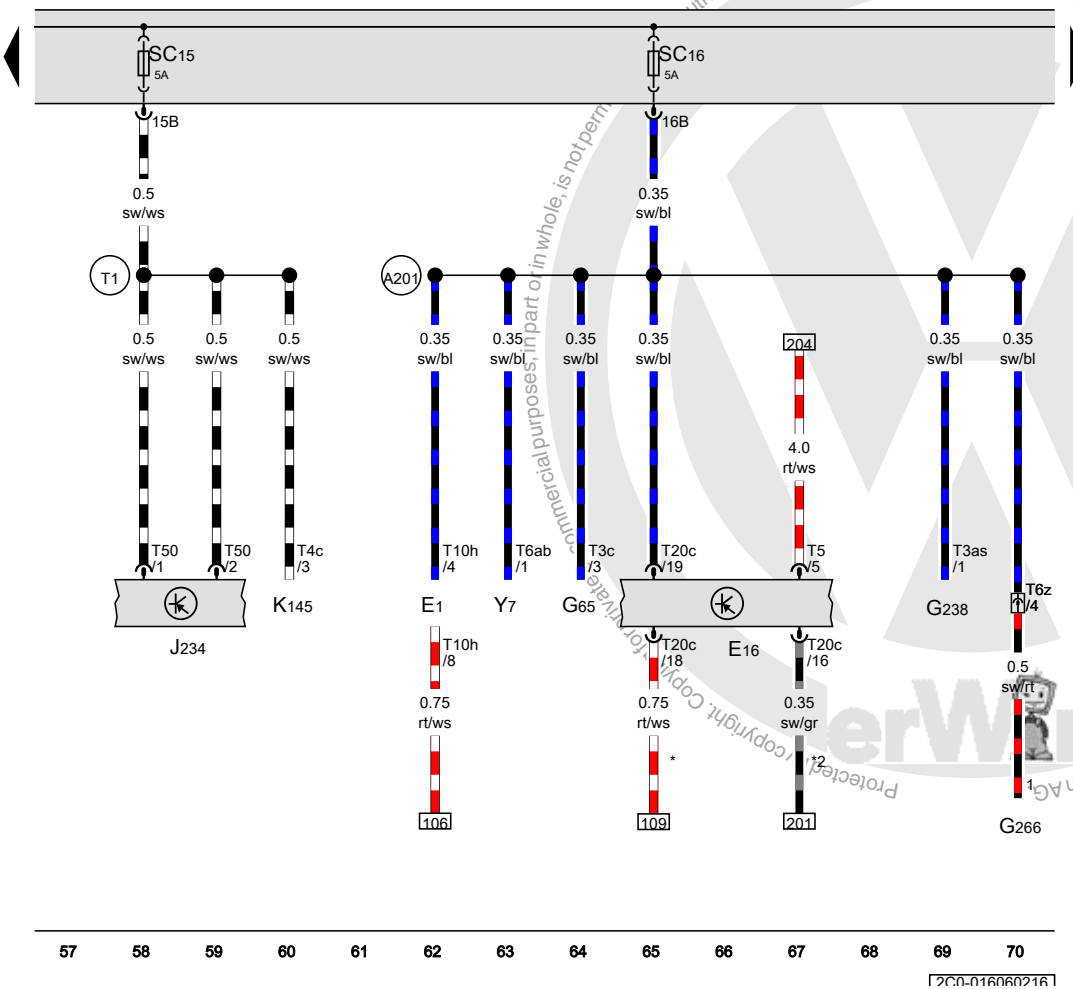
- E1 Light switch
- E16 Heater/heat output switch
- G65 High-pressure sender
- G238 Air quality sensor
- G266 Oil level and oil temperature sender
- J234 Airbag control unit, under centre console
- K145 Front passenger side airbag deactivated warning lamp, in centre of dash panel
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T3as 3-pin connector, grey
- T3c 3-pin connector
- T4c 4-pin connector, black
- T5 5-pin connector, black
- T6ab 6-pin connector, black
- T6z 6-pin connector, near left headlight, black
- T10h 10-pin connector, black
- T20c 20-pin connector, black
- T50 50-pin connector
- Y7 Automatic anti-dazzle interior mirror

A201 Positive connection 6 (15a) in dash panel wiring harness

T1 Positive connection 1, in airbag wiring harness

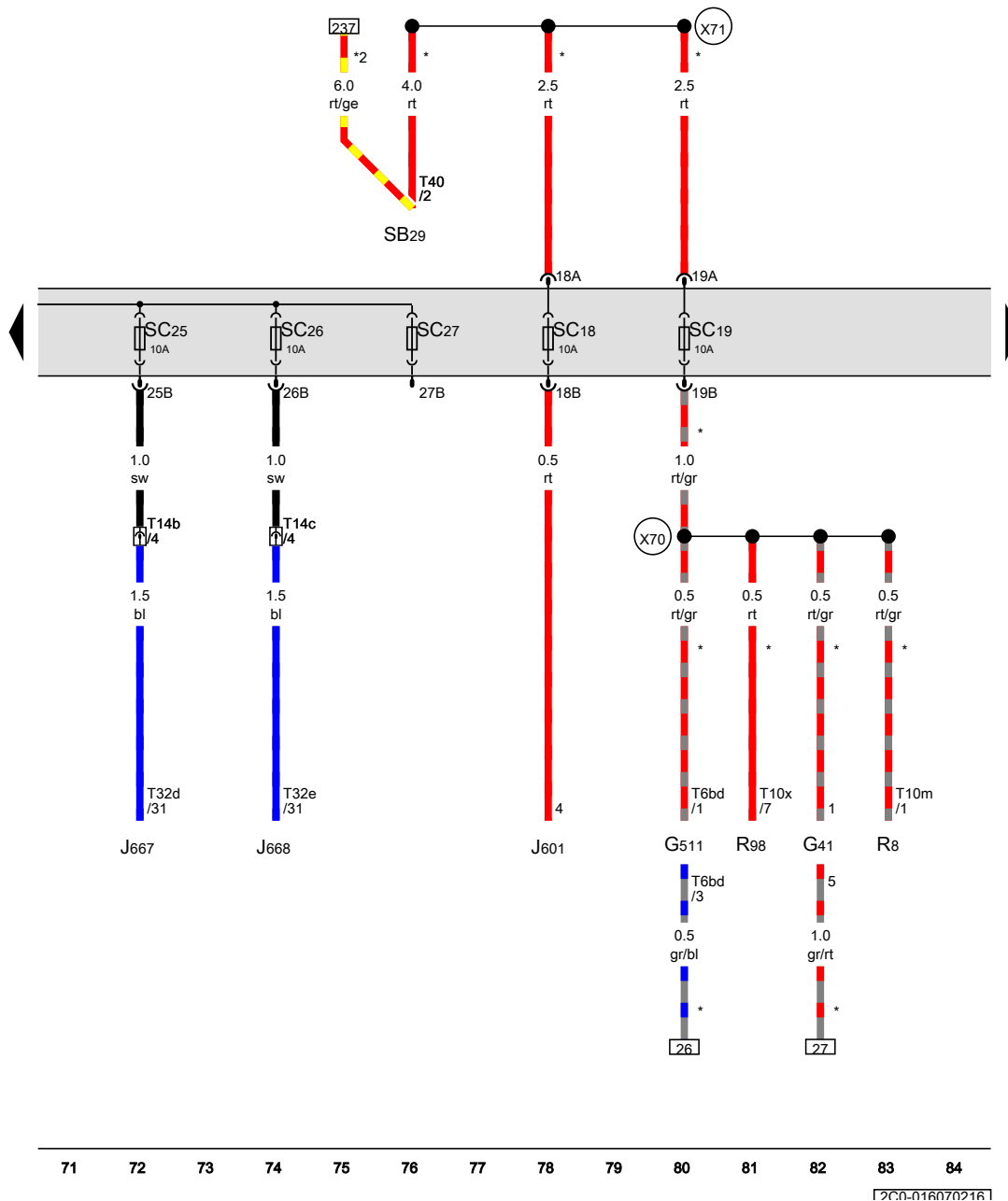
* Only models with auxiliary coolant heater

*2 Only models with seat heating



- 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

Fuse 18 on fuse holder C, Fuse 19 on fuse holder C, Fuse 25 on fuse holder C, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C

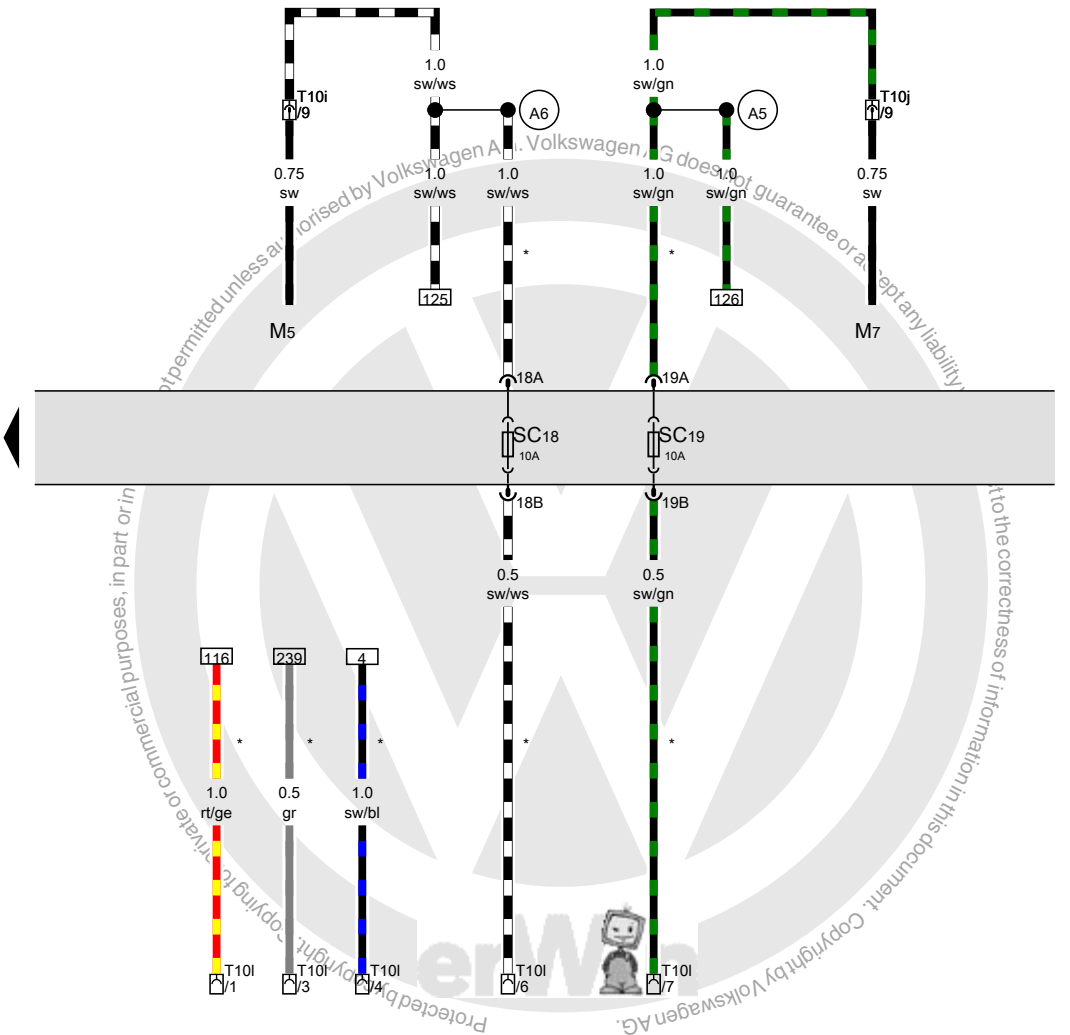


- G41 Taximeter
- G511 Mirror taximeter
- J601 Taxi alarm remote control, control unit
- J667 Output module for left headlight
- J668 Output module for right headlight
- R8 Two-way radio
- R98 Printer
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SB29 Fuse 29 on fuse holder B, in E-box
- T6bd 6-pin connector, black
- T10m 10-pin connector, black
- T10x 10-pin connector, purple
- T14b 14-pin connector, on left headlight, black
- T14c 14-pin connector, on right headlight, black
- T32d 32-pin connector
- T32e 32-pin connector
- T40 40-pin connector
- X70 Connection 2, in taxi wiring harness
- X71 Connection 3, in taxi wiring harness
- * Only models with taxi equipment
- *2 Only models with special police equipment

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Fuse 18 on fuse holder C, Fuse 19 on fuse holder C

- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- T10i 10-pin connector, on left headlight
- T10j 10-pin connector, on right headlight
- T10l 10-pin connector, in centre console, under radio
- A5 Positive connection (right turn signal), in dash panel wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- * Only models with interface for special functions



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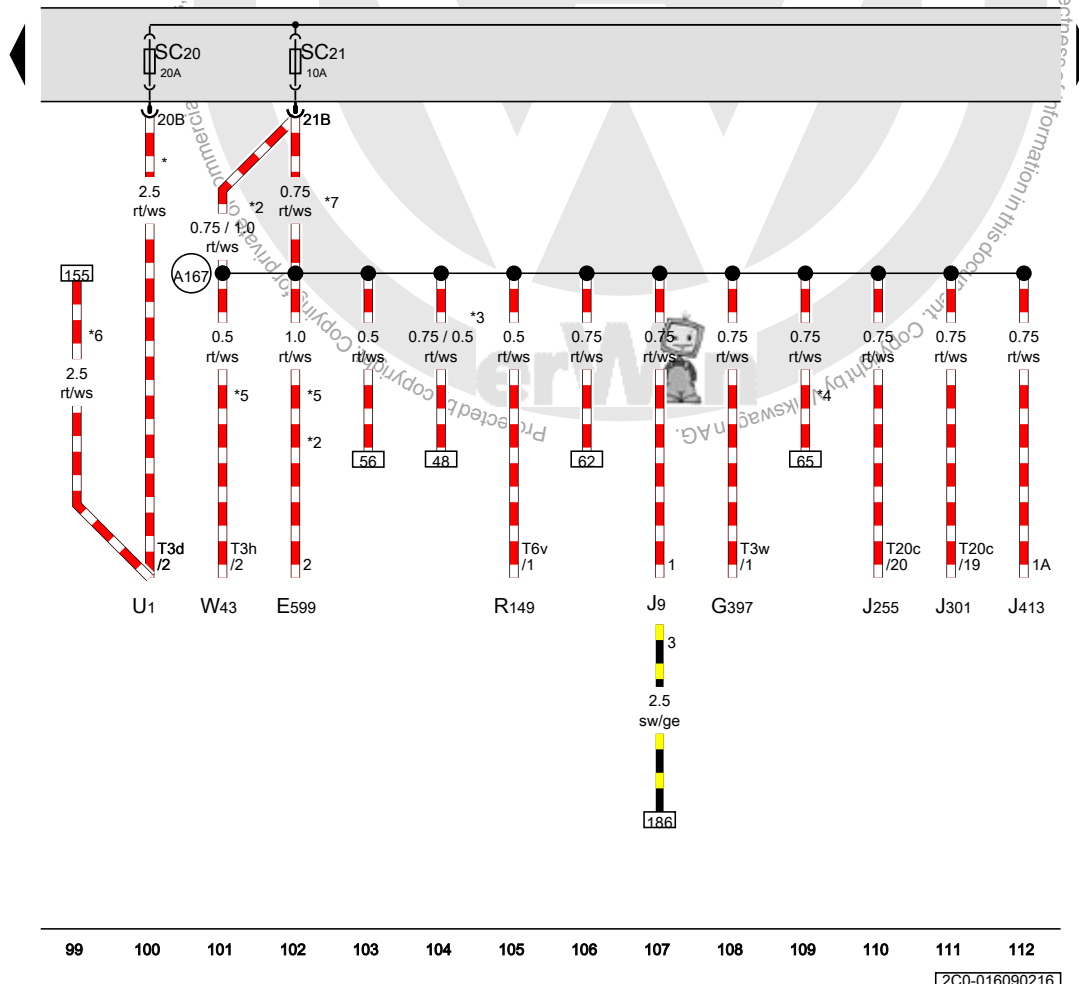
Fuse 20 on fuse holder C, Fuse 21 on fuse holder C

- E599 Interior illumination switch
- G397 Rain and light sensor
- J9 Heated rear window relay
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J413 Horn relay
- R149 Remote control receiver for auxiliary coolant heater
- SC20 Fuse 20 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- T3d 3-pin connector
- T3h 3-pin connector, black
- T3w 3-pin connector
- T6v 6-pin connector, blue
- T20c 20-pin connector
- U1 Cigarette lighter
- W43 Rear interior light

A167 Positive connection 3 (30a) in dash panel wiring harness

- * From November 2012
- *2 From May 2011
- *3 From November 2011
- *4 Only models with auxiliary coolant heater
- *5 Only Camper
- *6 Up to October 2012
- *7 Only right-hand drive models

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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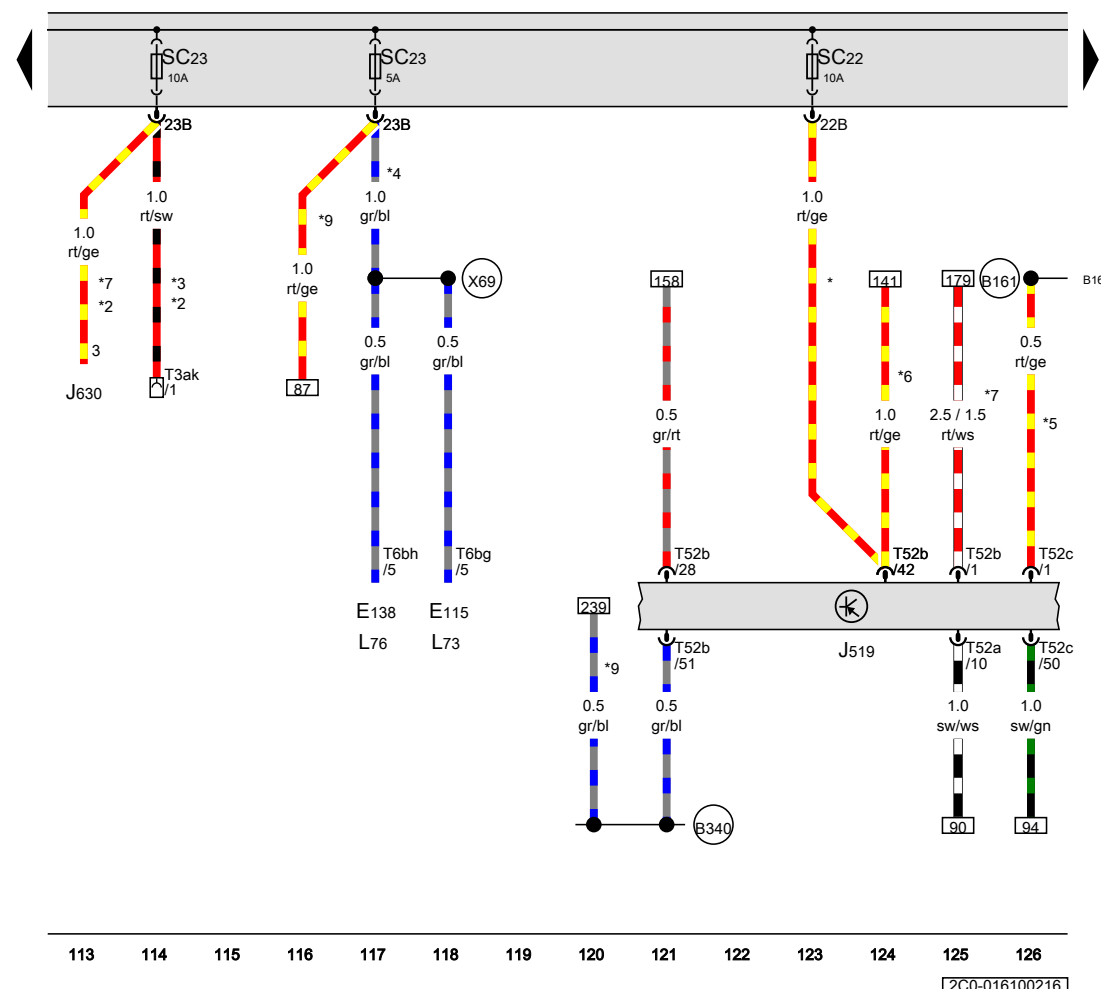
Fuse 22 on fuse holder C, Fuse 23 on fuse holder C

- E115 Interior light switch (taxi)
- E138 Taxi sign switch
- J519 Onboard supply control unit
- J630 Flashing lights relay
- L73 Interior light switch illumination bulb (taxi)
- L76 Button illumination bulb
- SC22 Fuse 22 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T3ak 3-pin connector, Coupling point for front speed camera, black
- T6bg 6-pin connector, black
- T6bh 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

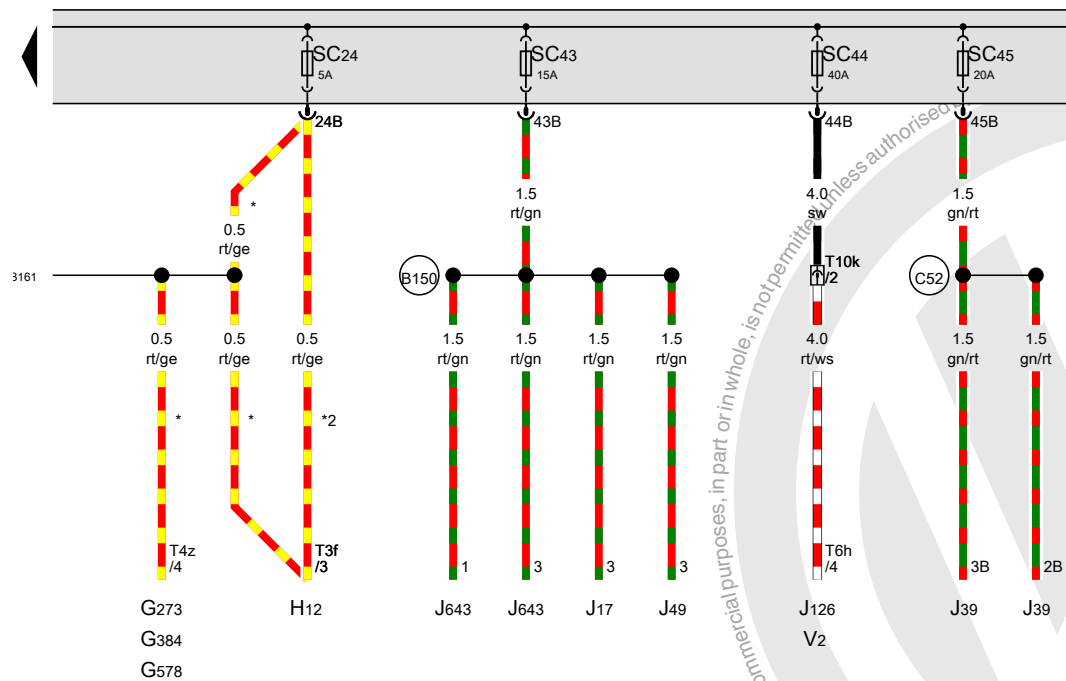
- B161 Connection (ATA), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- X69 Connection 1, in taxi wiring harness

- * From May 2011
- *2 Only models with special police equipment
- *3 Up to October 2011
- *4 Only models with taxi equipment
- *5 Only models with interior monitor
- *6 Up to April 2011
- *7 From November 2011
- *8 Only models with rear lid
- *9 Only models with interface for special functions

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Fuse 24 on fuse holder C, Fuse 43 on fuse holder C, Fuse 44 on fuse holder C, Fuse 45 on fuse holder C



- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- G578 Anti-theft alarm sensor
- H12 Alarm horn
- J17 Fuel pump relay
- J39 Headlight washer system relay
- J49 Electric fuel pump 2 relay
- J126 Fresh air blower control unit
- J643 Fuel supply relay
- SC24 Fuse 24 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC44 Fuse 44 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- T3f 3-pin connector, black
- T4z 4-pin connector, black
- T6h 6-pin connector, brown
- T10k 10-pin connector, black
- V2 Fresh air blower

- B150 Positive connection 2 (30a), in interior wiring harness
- B161 Connection (ATA), in interior wiring harness
- C52 Positive connection (30), in headlight washer wiring harness

- * Only models with interior monitor
- *2 Only models with no interior monitor
- *3 Only models with rear window wiper
- *4 Only models with wing doors
- *5 Only models with no auxiliary coolant heater

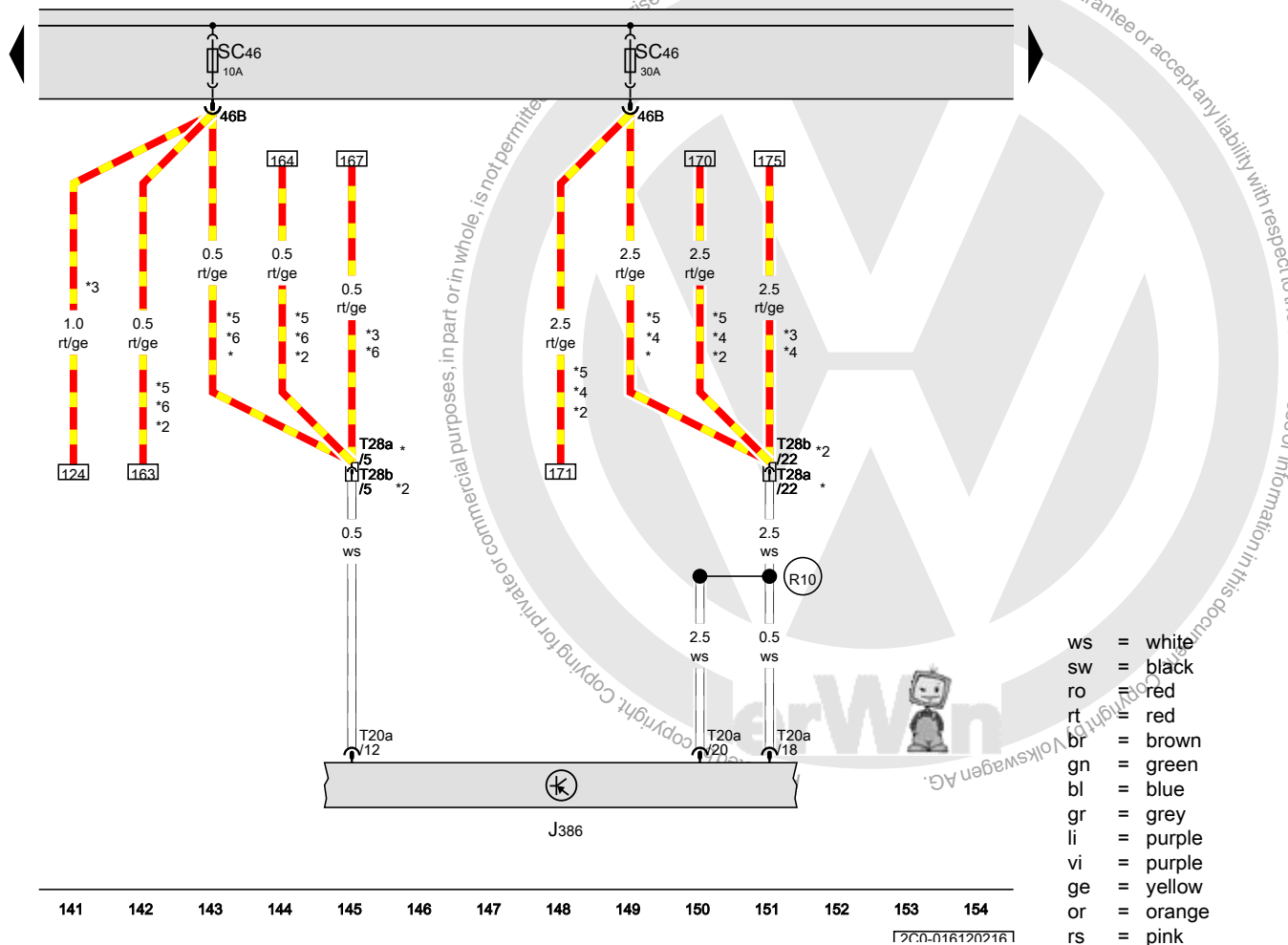
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Fuse 46 on fuse holder C

- J386 Driver door control unit
- SC46 Fuse 46 on fuse holder C
- T20a 20-pin connector
- T28a 28-pin connector, in left A-pillar coupling station
- T28b 28-pin connector, in right A-pillar coupling station

R10 Positive connection 1 (30), in driver door wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Up to April 2011
- *4 Only models with electric window regulators
- *5 From May 2011
- *6 Only vehicles without electric window regulators



141 142 143 144 145 146 147 148 149 150 151 152 153 154

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Fuse 47 on fuse holder C, Fuse 48 on fuse holder C, Fuse 49 on fuse holder C

- J59 X-contact relief relay
- J387 Front passenger door control unit
- J774 Heated front seats control unit, under driver seat
- SA4 Fuse 4 in fuse holder A
- SC47 Fuse 47 on fuse holder C
- SC48 Fuse 48 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- T6c 6-pin connector, under driver seat, green
- T8g 8-pin connector
- T20b 20-pin connector
- T28a 28-pin connector, in left A-pillar coupling station

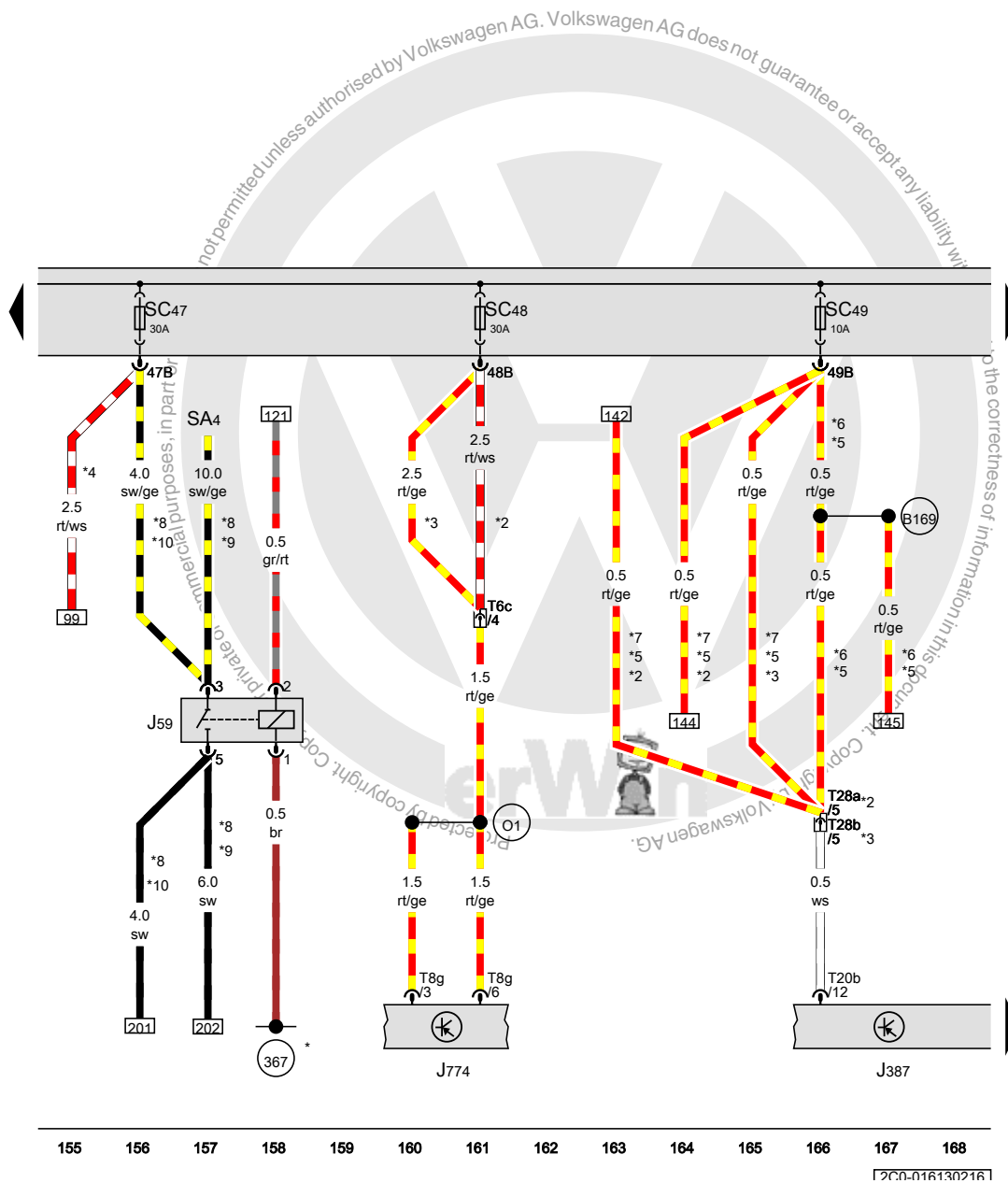
367 Earth connection 2, in main wiring harness

B169 Positive connection 1 (30), in interior wiring harness

O1 Positive connection (30), in seat heating wiring harness

- * see applicable current flow diagram for basic equipment
- *2 Only right-hand drive models
- *3 Only left-hand drive models
- *4 Up to October 2012
- *5 Only vehicles without electric window regulators
- *6 Up to April 2011
- *7 From May 2011
- *8 From November 2012
- *9 Only models with no Climatronic
- *10 Only models with Climatronic

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Fuse 49 on fuse holder C, Fuse 50 on fuse holder C, Fuse 51 on fuse holder C

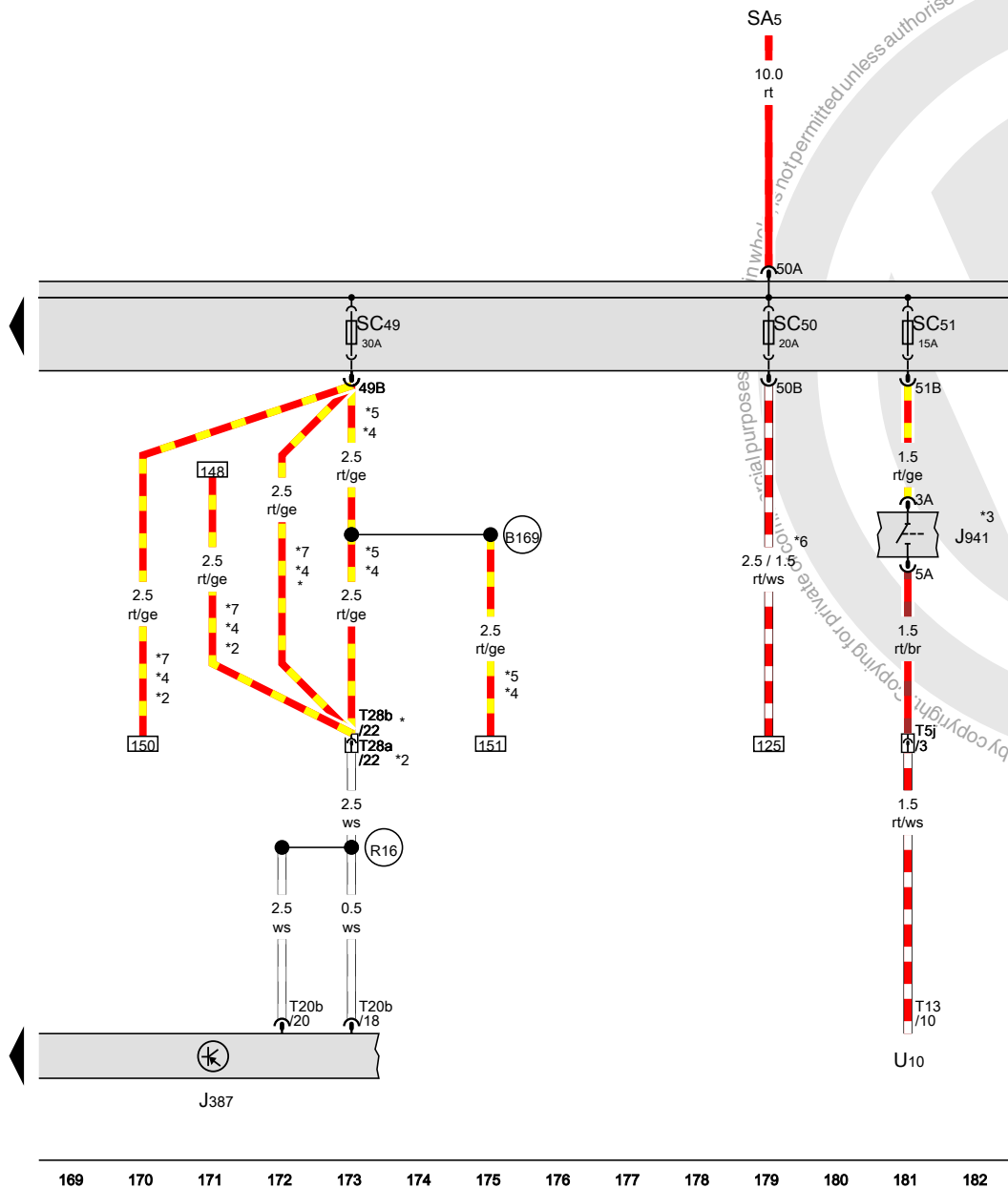
- J387 Front passenger door control unit
- J941 Trailer voltage supply relay
- SA5 Fuse 5 in fuse holder A
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- T5j 5-pin connector, in rear right side panel, brown
- T13 13-pin connector
- T20b 20-pin connector
- T28b 28-pin connector, in right A-pillar coupling station
- U10 Trailer socket

B169 Positive connection 1 (30), in interior wiring harness

R16 Positive connection 1 (30), in front passenger door wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 see applicable current flow diagram for towing bracket
- *4 Only models with electric window regulators
- *5 Up to April 2011
- *6 From November 2011
- *7 From May 2011

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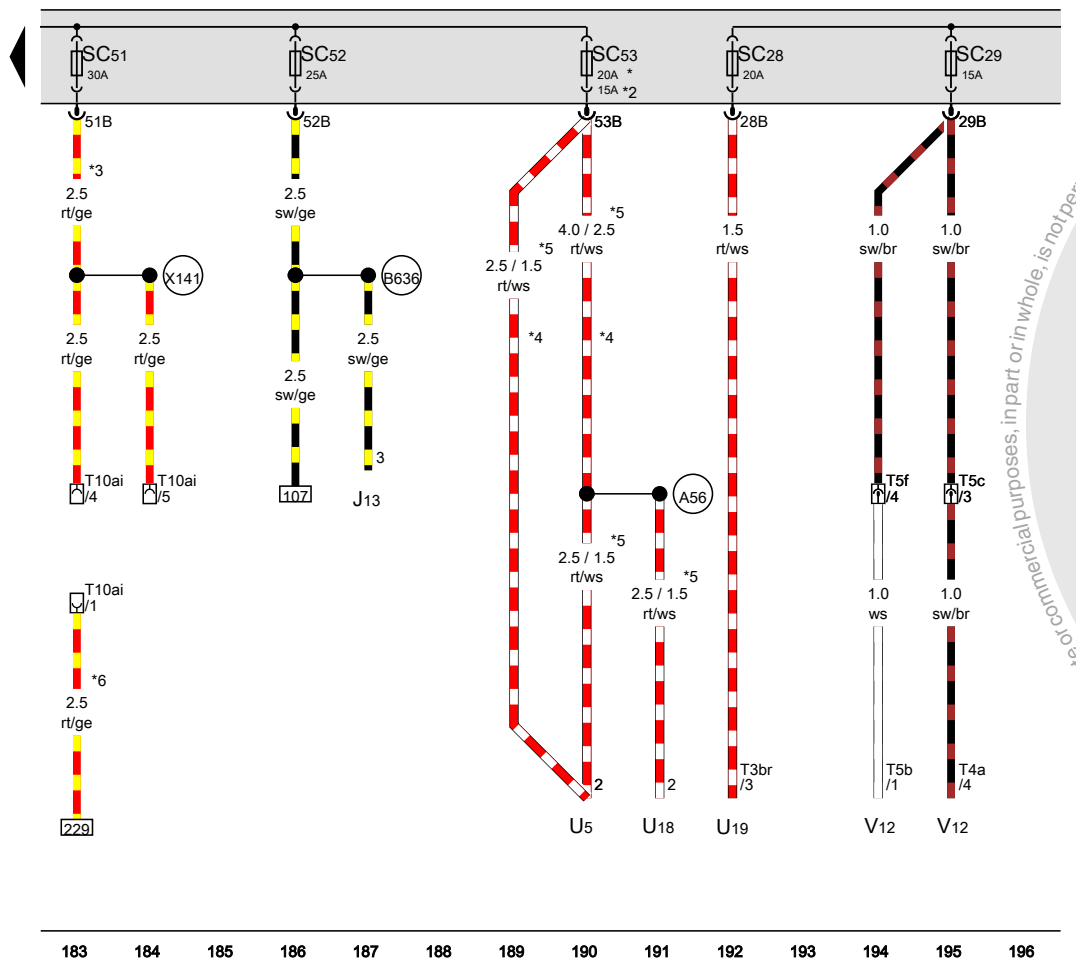


Fuse 28 on fuse holder C, Fuse 29 on fuse holder C, Fuse 51 on fuse holder C, Fuse 52 on fuse holder C

- J13 Fresh air blower relay
- SC28 Fuse 28 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T3br 3-pin connector
- T4a 4-pin connector, black
- T5b 5-pin connector
- T5c 5-pin connector, in rear right side panel, light pink
- T5f 5-pin connector, in rear left side panel, light pink
- T10ai 10-pin connector, on right A-pillar, black
- U5 12 V socket
- U18 12 V socket 2
- U19 12 V socket 3
- V12 Rear window wiper motor

- A56 Positive connection 2 (30), in dash panel wiring harness
- B636 Connection (supplementary heater), in main wiring harness
- X141 Positive connection 4 (30a) in siren system wiring harness
- * From November 2012
- *2 Up to October 2012
- *3 Only models with special police equipment
- *4 According to equipment
- *5 From May 2011
- *6 Up to October 2011

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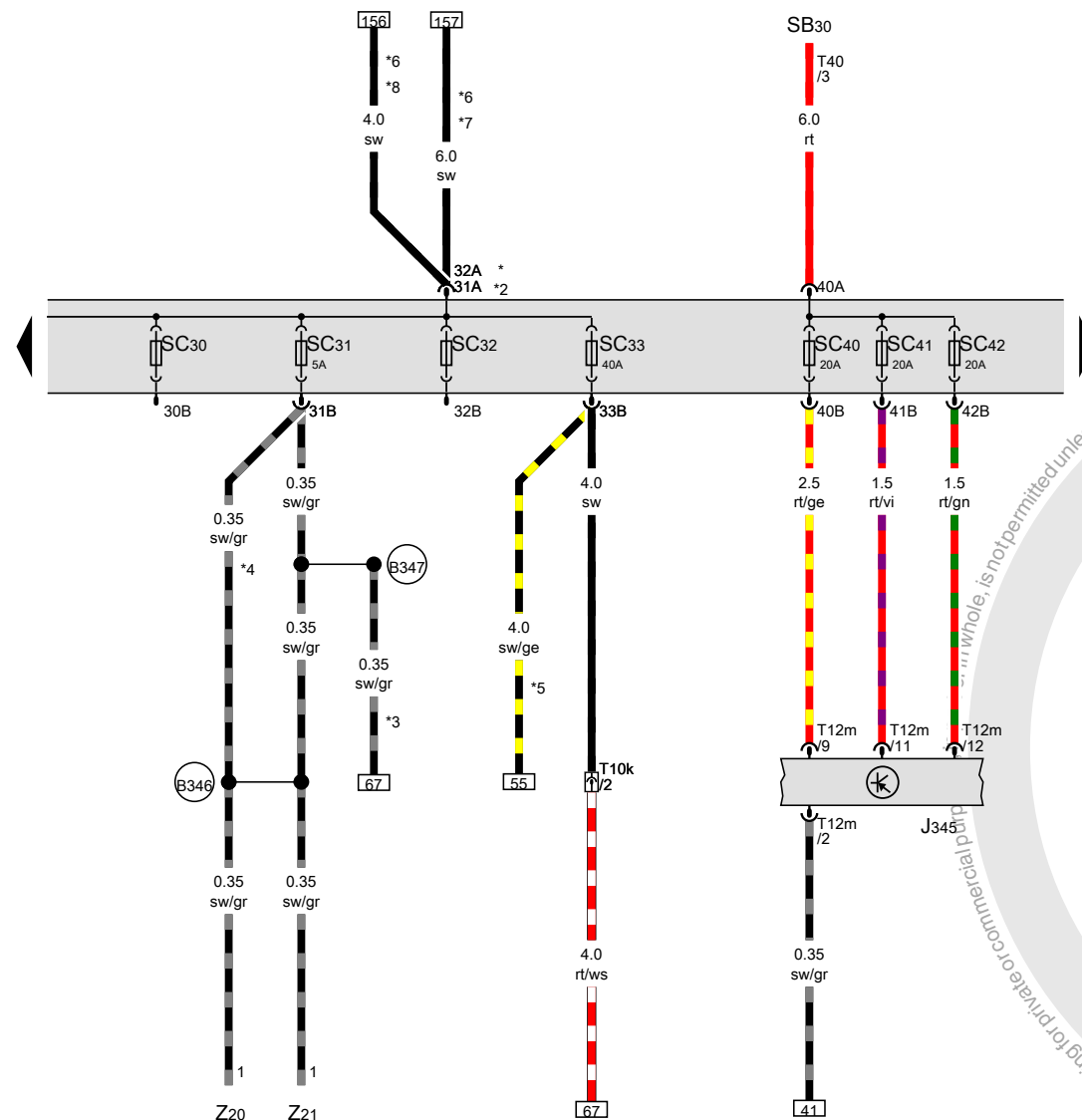
183 184 185 186 187 188 189 190 191 192 193 194 195 196

197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Fuse 30 on fuse holder C, Fuse 31 on fuse holder C, Fuse 32 on fuse holder C, Fuse 33 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C, Fuse 42 on fuse holder C

- J345 Trailer detector control unit
- SB30 Fuse 30 on fuse holder B, in E-box
- SC30 Fuse 30 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- T10k 10-pin connector, behind dash panel, right, black
- T12m 12-pin connector, red
- T40 40-pin connector
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element
- B346 Connection 1 (75), in main wiring harness
- B347 Connection 2 (75), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Only models with seat heating
- *4 Only models with no seat heating
- *5 Only models with no Climatronic
- *6 From November 2012
- *7 Only models with no Climatronic
- *8 Only models with Climatronic

ws = white
sw = black
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Fuse 57 on fuse holder C, Fuse 58 on fuse holder C

- J412 Mobile telephone operating electronics control unit, under seat on front right
- J503 Control unit with display for radio and navigation
- J527 Steering column electronics control unit
- J532 Voltage stabiliser
- K Dash panel insert
- R Radio
- SB6 Fuse 6 on fuse holder B, in E-box
- SB8 Fuse 8 on fuse holder B, in E-box
- SB9 Fuse 9 on fuse holder B, in E-box
- SC57 Fuse 57 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T8 8-pin connector, black
- T12c 12-pin connector, black
- T16a 16-pin connector
- T32 32-pin connector, blue
- T40 40-pin connector
- T54 54-pin connector

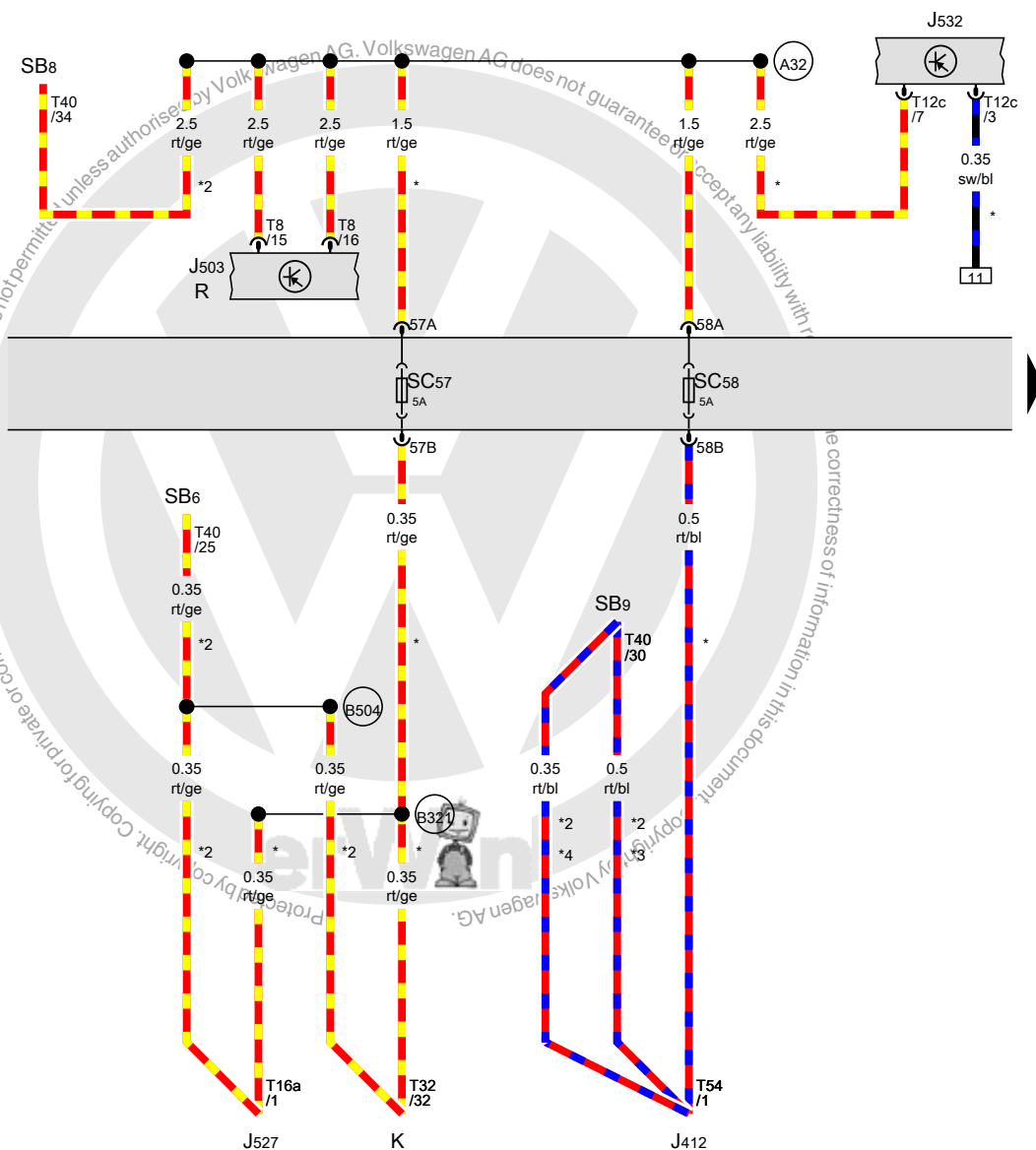
(A32) Positive connection (30), in dash panel wiring harness

(B321) Positive connection 7 (30a) in main wiring harness

(B504) Positive connection 8 (30a), in interior wiring harness

- * Only models with start/stop system
- *2 Only models with no start/stop system
- *3 Only right-hand drive models
- *4 Only left-hand drive models

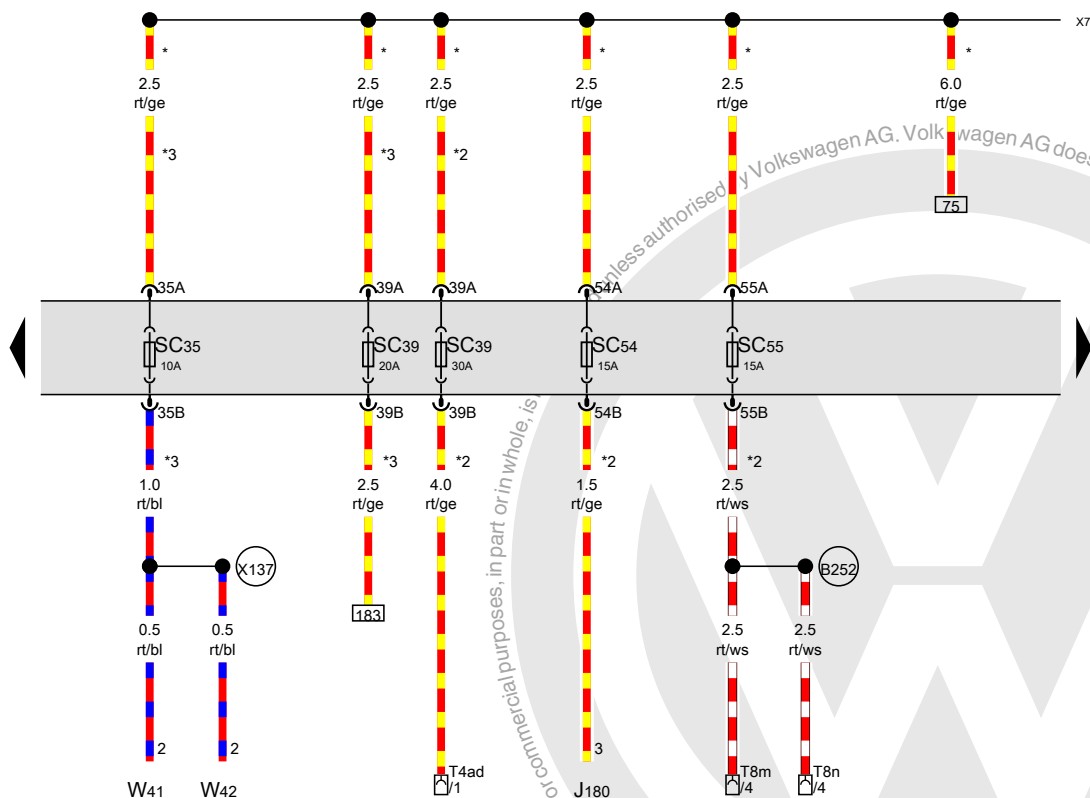
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211 212 213 214 215 216 217 218 219 220 221 222 223 224

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Fuse 35 on fuse holder C, Fuse 39 on fuse holder C, Fuse 54 on fuse holder C, Fuse 55 on fuse holder C



- J180 Switch-over relay 1 for roof ventilator
- SC35 Fuse 35 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T4ad 4-pin connector, behind radio, black
- T8m 8-pin connector, on right C-pillar, black
- T8n 8-pin connector, on left C-pillar, black
- W41 Fluorescent light in rear of high roof
- W42 Fluorescent light in centre of high roof

(B252) Positive connection (30, police), in interior wiring harness

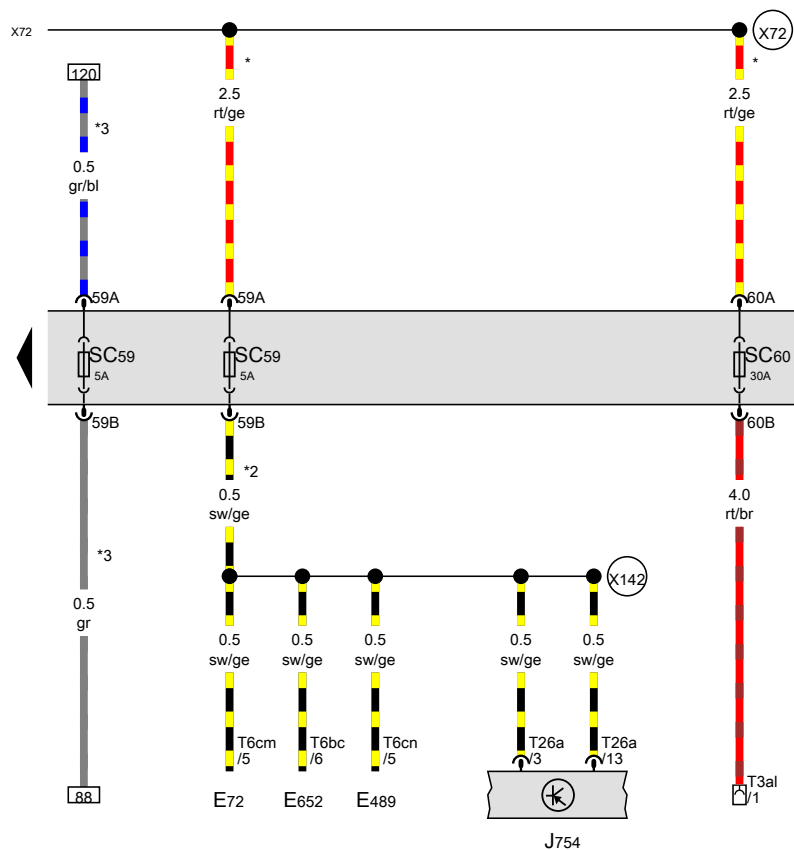
(X72) Positive connection (30), in police wiring harness

(X137) Positive connection 2 (30a) in siren system wiring harness

Only models with special police equipment
From November 2011
Up to October 2011

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Fuse 59 on fuse holder C, Fuse 60 on fuse holder C



- E72 2-way radio switch
- E489 Ignition bypass button
- E652 Button for daytime running light switch-off
- J754 Accident data memory
- SC59 Fuse 59 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T3al 3-pin connector, Coupling point for 2-way radio, black
- T6bc 6-pin connector, black
- T6cm 6-pin connector, black
- T6cn 6-pin connector, black
- T26a 26-pin connector, black
- X72 Positive connection (30), in police wiring harness
- X142 Positive connection 3 (30), in optional equipment wiring harness
- * Only models with special police equipment
- *2 From November 2011
- *3 Only models with interface for special functions

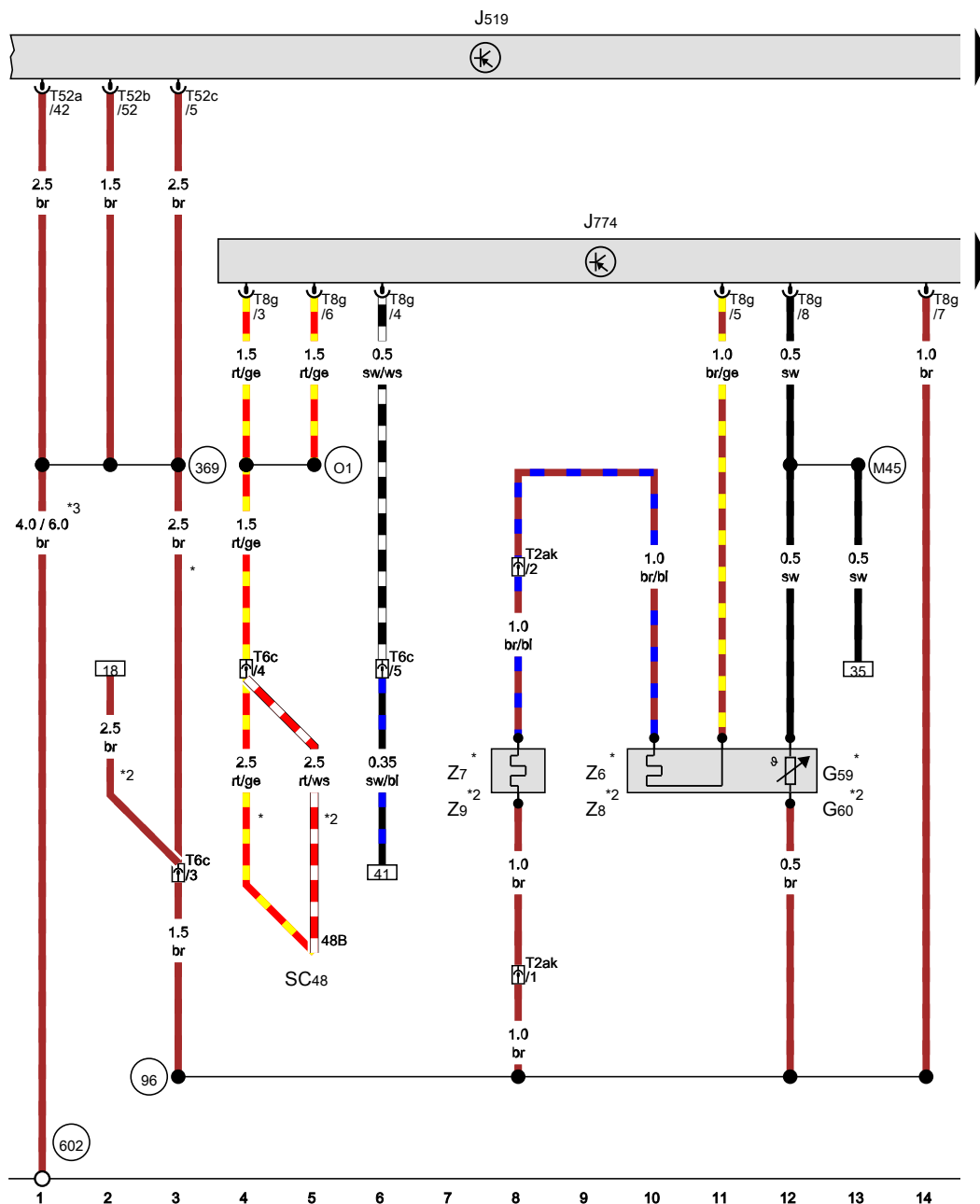
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Seat heating

From August 2010



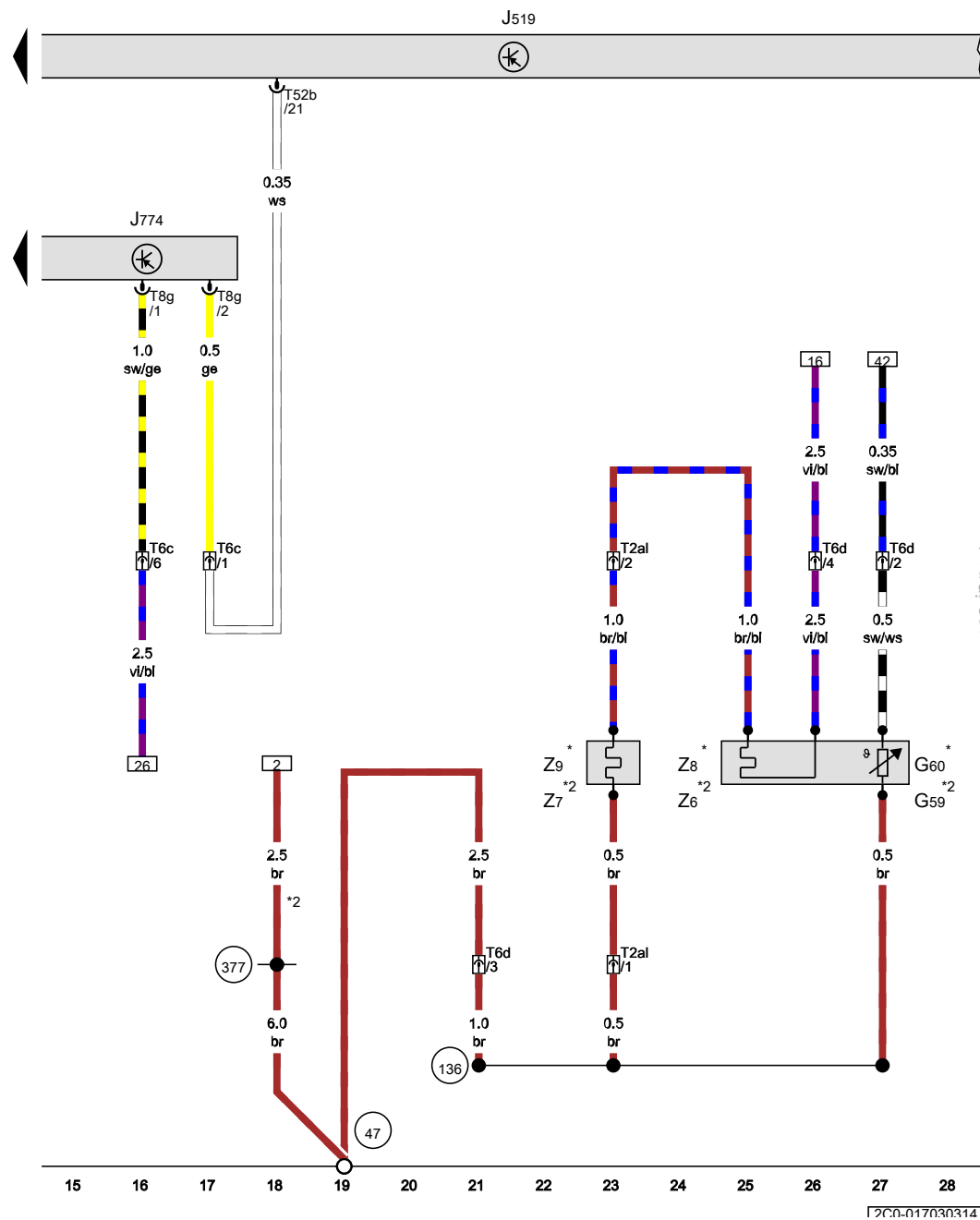


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Driver seat temperature sensor, Front passenger seat temperature sensor, Onboard supply control unit, Heated front seats control unit, Heated seat cushion for driver seat, Heated backrest for driver seat, Heated seat cushion for front passenger seat, Heated backrest for front passenger seat

- G59 Driver seat temperature sensor
- G60 Front passenger seat temperature sensor
- J519 Onboard supply control unit
- J774 Heated front seats control unit, under seat on front left
- SC48 Fuse 48 on fuse holder C
- T2ak 2-pin connector, under seat on front left
- T6c 6-pin connector, under seat on front left
- T8g 8-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat
- 96 Earth connection 1, in seat heating wiring harness
- 369 Earth connection 4, in main wiring harness
- 602 Earth point, in front left footwell
- M45 Connection 5, in driver seat wiring harness
- O1 Positive connection (30), in seat heating wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 From November 2011

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Driver seat temperature sensor, Front passenger seat temperature sensor, Onboard supply control unit, Heated front seats control unit, Heated seat cushion for driver seat, Heated backrest for driver seat, Heated seat cushion for front passenger seat, Heated backrest for front passenger seat

- G59 Driver seat temperature sensor
- G60 Front passenger seat temperature sensor
- J519 Onboard supply control unit
- J774 Heated front seats control unit, under seat on front left
- T2al 2-pin connector, under seat on front right
- T6c 6-pin connector, under seat on front left
- T6d 6-pin connector, under seat on front right
- T8g 8-pin connector
- T52b 52-pin connector, white
- Z6 Heated seat cushion for driver seat
- Z7 Heated backrest for driver seat
- Z8 Heated seat cushion for front passenger seat
- Z9 Heated backrest for front passenger seat

- 47 Earth point, in front right footwell
- 136 Earth connection 2, in seat heating wiring harness
- 377 Earth connection 12, in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models

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 or = orange
 rs = pink

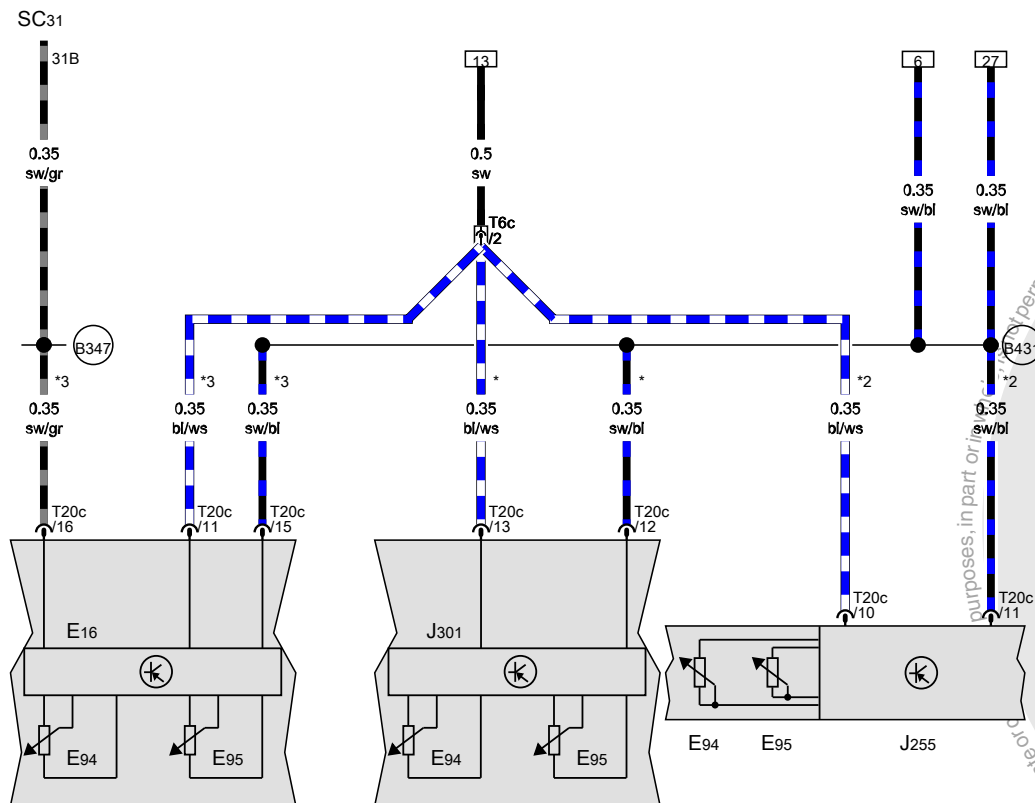
Heated driver seat regulator, Heated front passenger seat regulator

- E16 Heater/heat output switch
- E94 Heated driver seat regulator
- E95 Heated front passenger seat regulator
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- SC31 Fuse 31 on fuse holder C
- T6c 6-pin connector, under seat on front left
- T20c 20-pin connector

B347 Connection 2 (75), in main wiring harness

B431 Connection (seat heating), in main wiring harness

- * Only models with Climatic
- *2 Only models with Climatronic
- *3 Only models with no air conditioning system



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- gr = grey
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- or = orange
- rs = pink

29 30 31 32 33 34 35 36 37 38 39 40 41 42

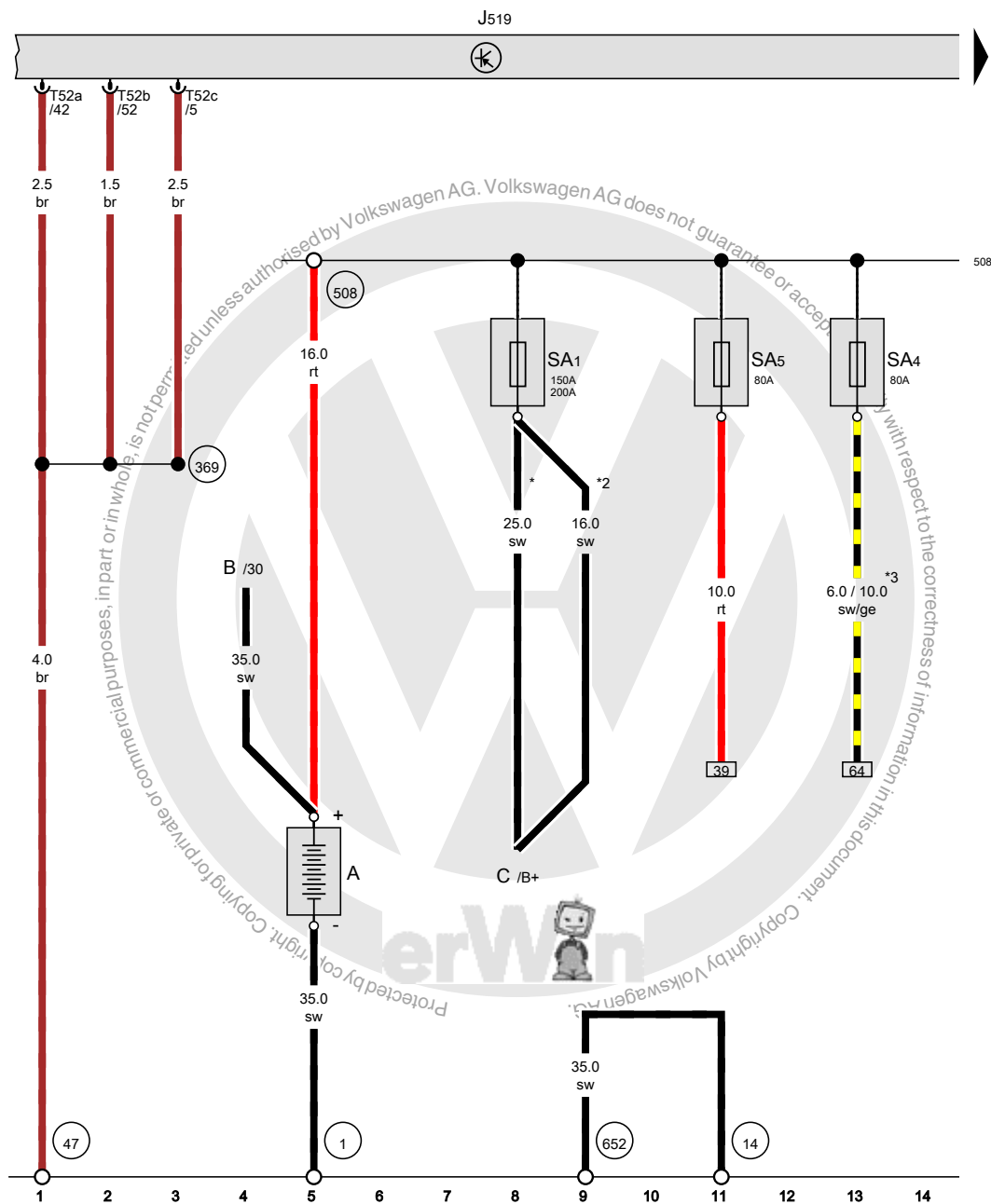
17040314

Basic equipment, right-hand drive

From August 2010



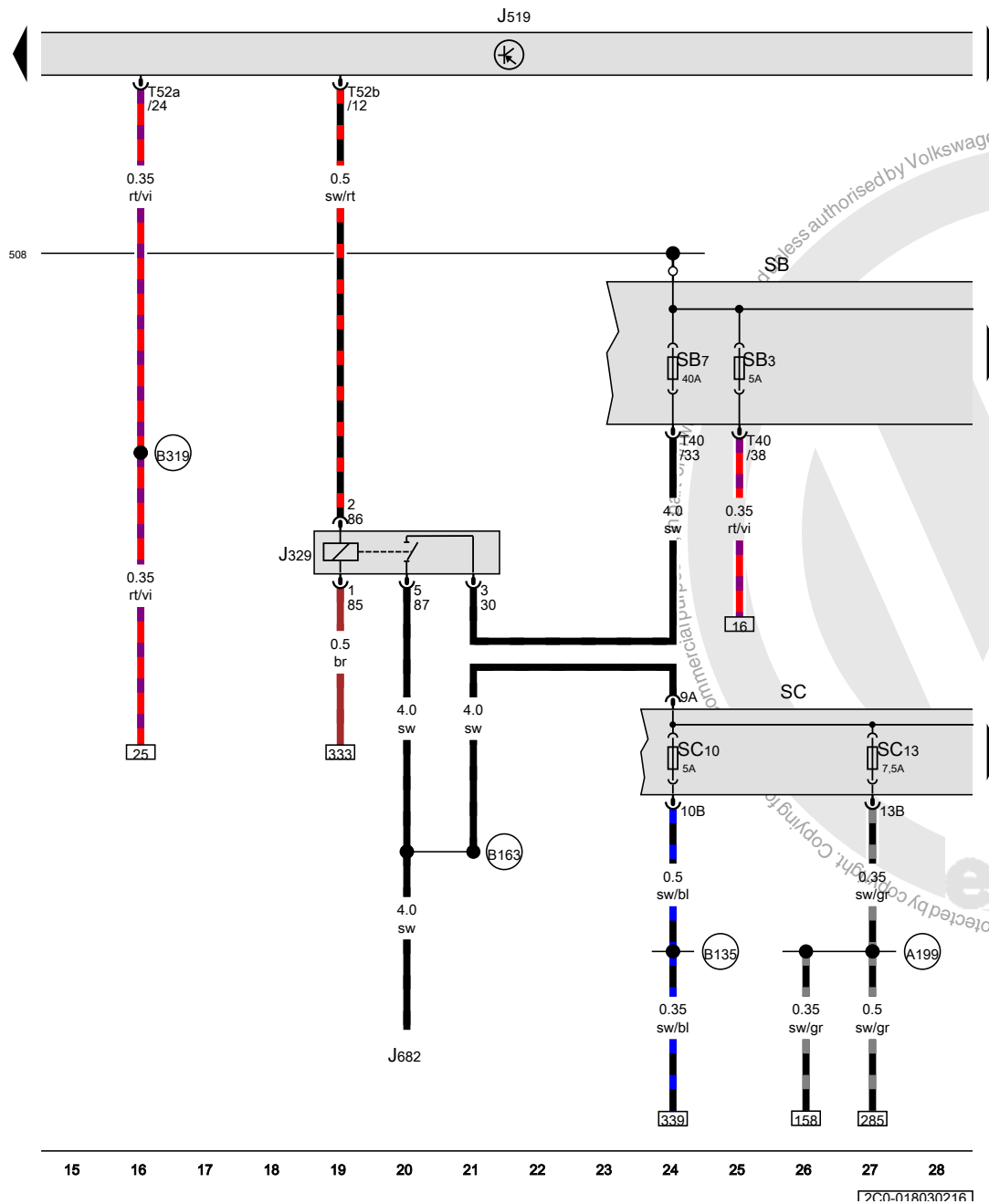
Battery, Onboard supply control unit, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A



- A Battery
- B Starter
- C Alternator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 47 Earth point, in front right footwell
- 369 Earth connection 4, in main wiring harness
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- * Only models with 140A alternator
- *2 Only models with 90 A/ 120 A alternator
- *3 According to equipment

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 sw = black
 ro = red
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 br = brown
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 bl = blue
 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse holder C

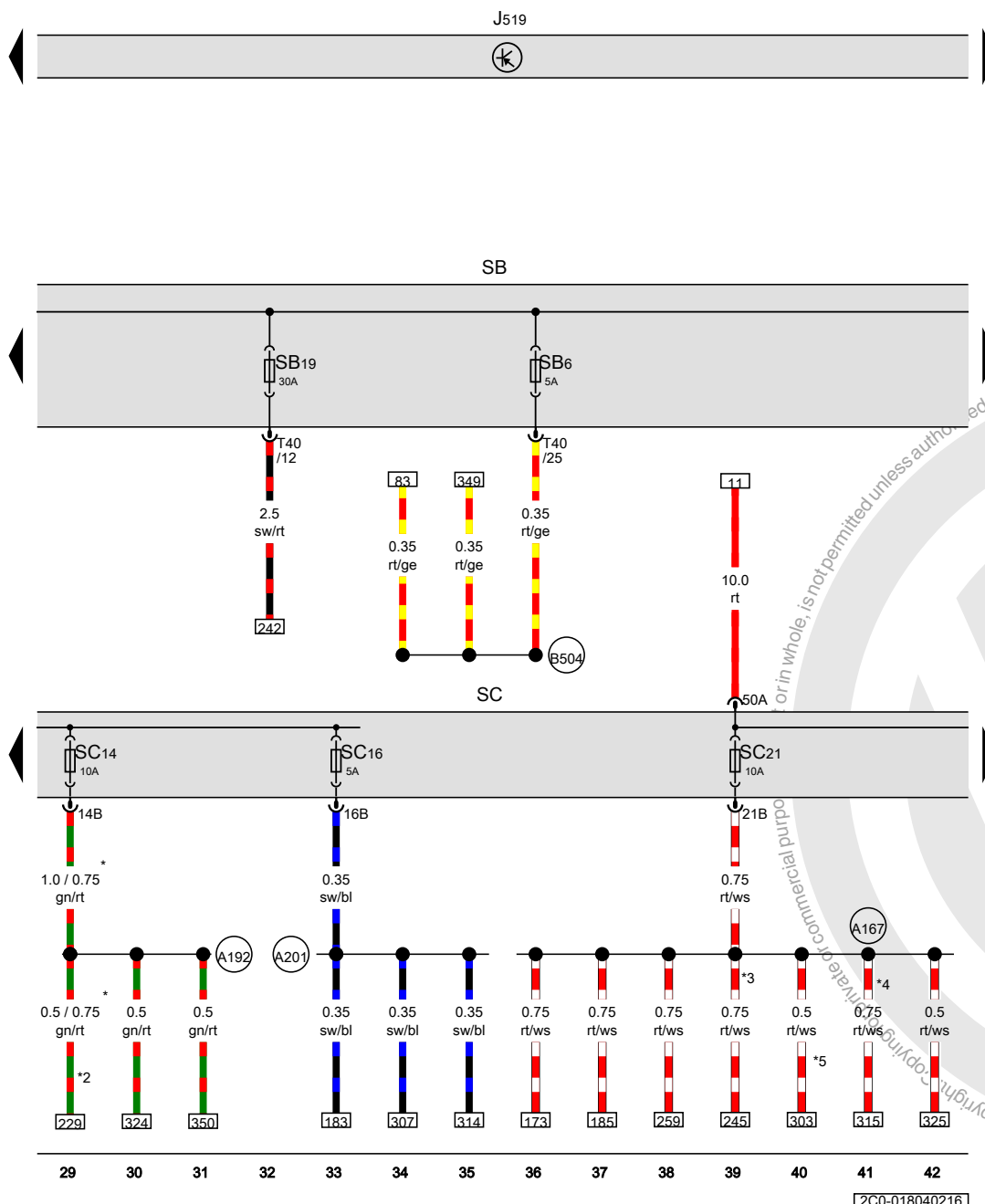


- | | |
|------|----------------------------------|
| J329 | Terminal 15 voltage supply relay |
| J519 | Onboard supply control unit |
| J682 | Terminal 50 voltage supply relay |
| SB | Fuse holder B |
| SB3 | Fuse 3 on fuse holder B |
| SB7 | Fuse 7 on fuse holder B |
| SC | Fuse holder C |
| SC10 | Fuse 10 on fuse holder C |
| SC13 | Fuse 13 on fuse holder C |
| T40 | 40-pin connector |
| T52a | 52-pin connector, black |
| T52b | 52-pin connector, white |

- | | |
|------|--|
| 508 | Threaded connection (30) on E-box |
| A199 | Positive connection 4 (15a) in dash panel wiring harness |
| B135 | Connection 1 (15a), in interior wiring harness |
| B163 | Positive connection 1 (15), in interior wiring harness |
| B319 | Positive connection 5 (30a) in main wiring harness |

ws	=	white
sw	=	black
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li	=	purple
vi	=	purple
ge	=	yellow
or	=	orange
rs	=	pink

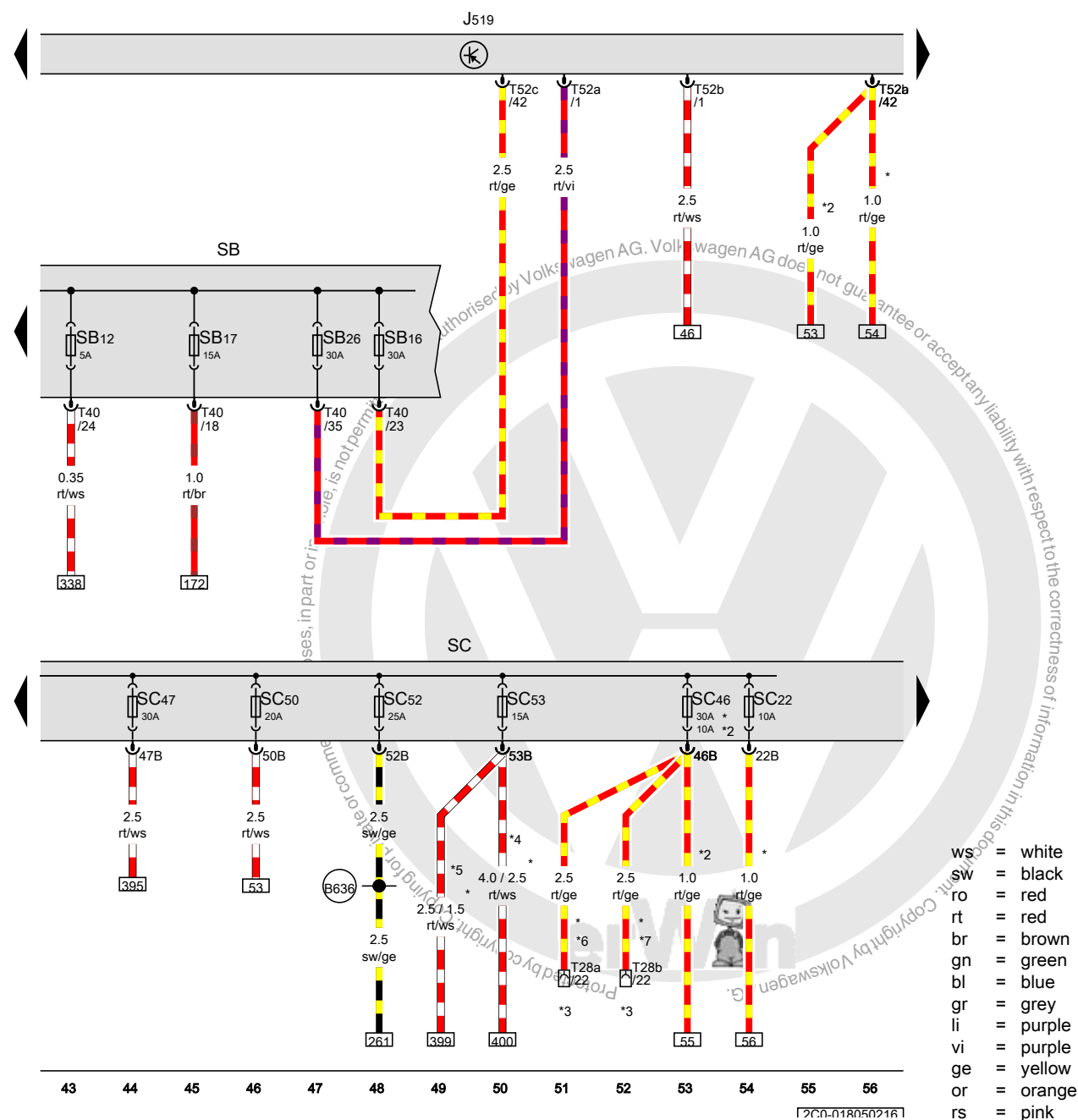
Onboard supply control unit, Fuse holder B, Fuse holder C



- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SB19 Fuse 19 on fuse holder B
- SC21 Fuse 21 on fuse holder C
- T40 40-pin connector

- A167 Positive connection 3 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness
- * From May 2011
- *2 Not for models with dual clutch gearbox
- *3 Only models with rain and light sensor
- *4 Only models with auxiliary coolant heater
- *5 Only Camper

Onboard supply control unit, Fuse holder B, Fuse holder C



- J519 Onboard supply control unit
- SB Fuse holder B
- SB12 Fuse 12 on fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SC22 Fuse 22 on fuse holder C
- SB26 Fuse 26 on fuse holder B
- SC Fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T28a 28-pin connector, in left A-pillar coupling station
- T28b 28-pin connector, in right A-pillar coupling station
- T40 40-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- B636 Connection (supplementary heater), in main wiring harness
- * From May 2011
- *2 Up to April 2011
- *3 see applicable current flow diagram for convenience system
- *4 According to equipment
- *5 Only models with 12 V socket
- *6 Only left-hand drive models
- *7 Only right-hand drive models

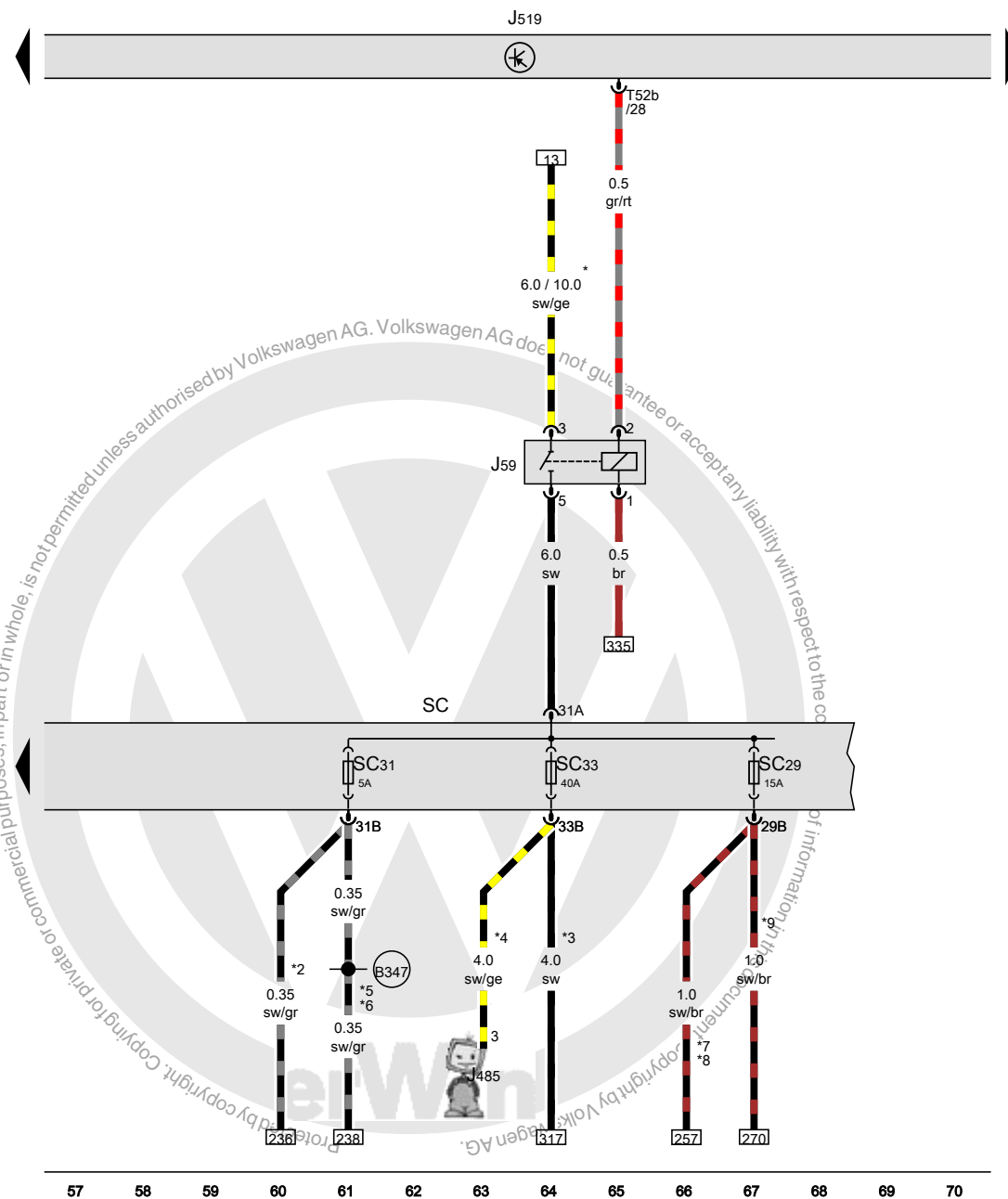
X-contact relief relay, Onboard supply control unit, Fuse holder C

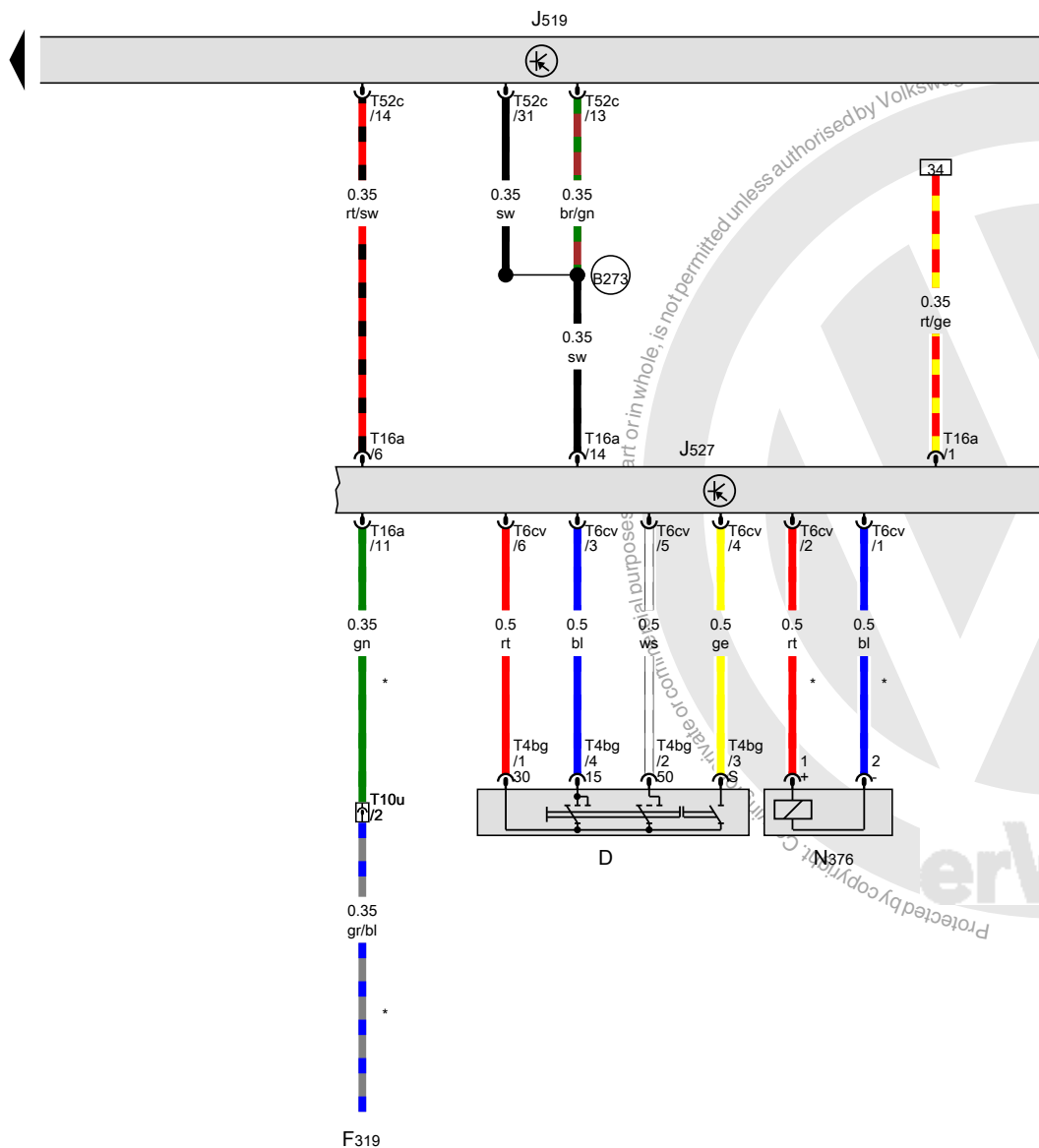
- J59 X-contact relief relay
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- SC Fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- T52b 52-pin connector, white

B347 Connection 2 (75), in main wiring harness

- * According to equipment
- *2 Only models with air conditioning system/ Climatronic
- *3 Only models with no auxiliary coolant heater
- *4 Only models with auxiliary coolant heater
- *5 Only models with no air conditioning system/Climatronic
- *6 Only models with seat heating
- *7 Only models with rear window wiper
- *8 Only models with wing doors
- *9 Only models with rear lid

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Ignition/starter switch, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid

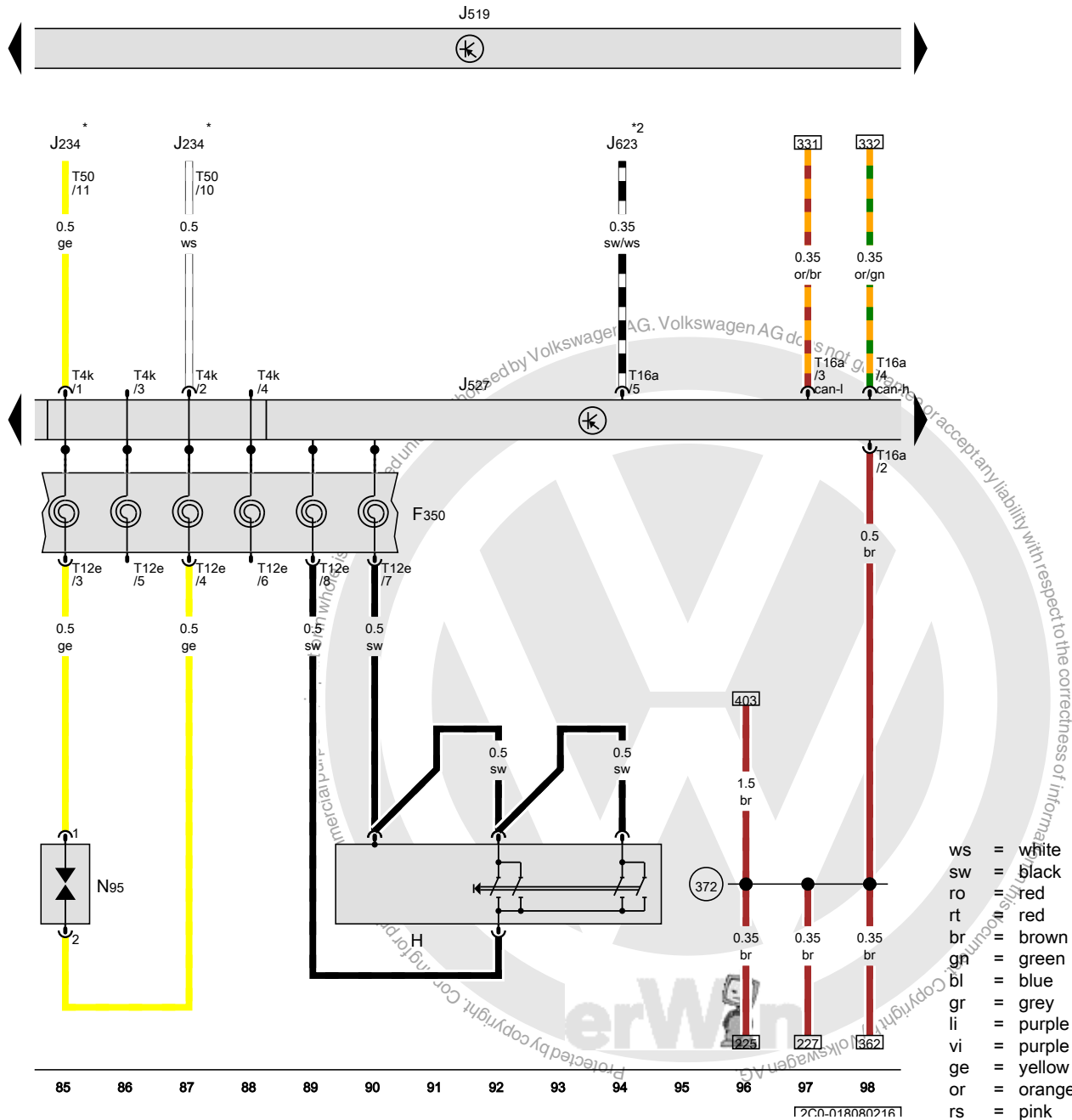
- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- N376 Ignition key withdrawal lock solenoid, on ignition/starter switch
- T4bg 4-pin connector, black
- T6cv 6-pin connector, white
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector, black
- T52c 52-pin connector, brown

B273 Positive connection (15), in main wiring harness

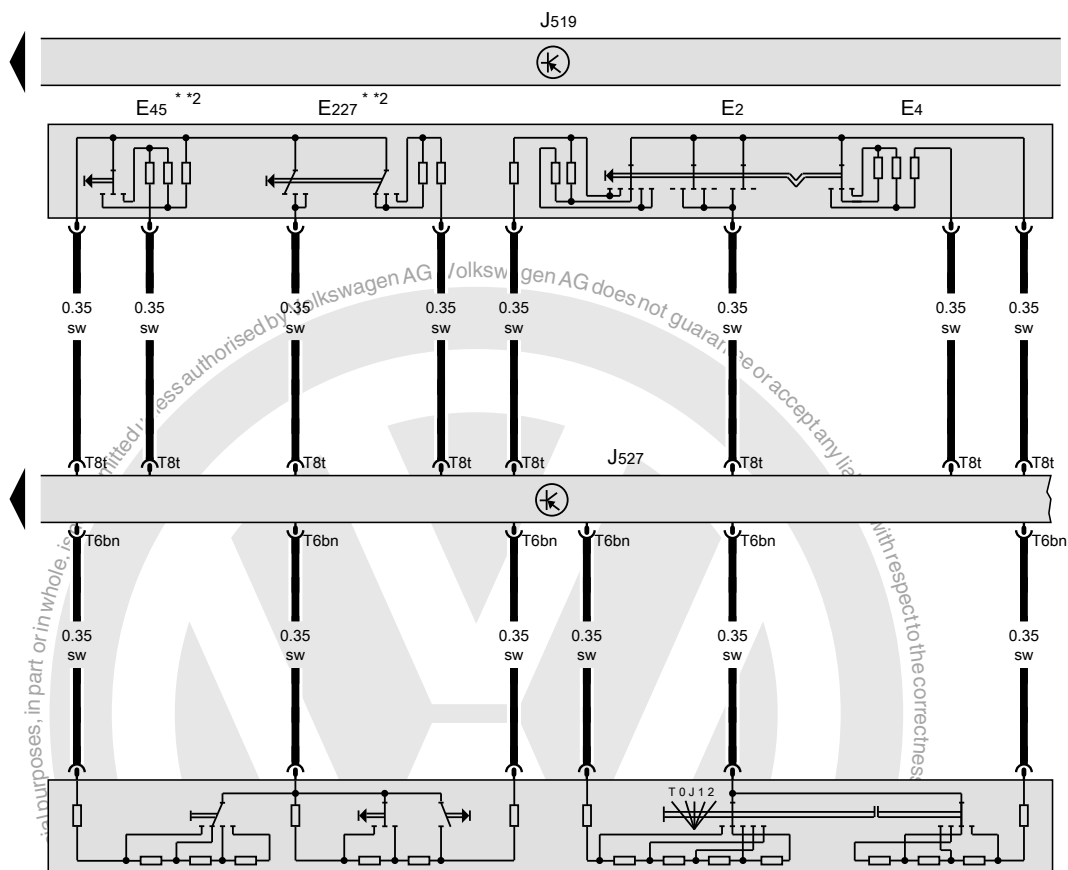
* Only models with dual clutch gearbox

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Horn plate, Onboard supply control unit, Steering column electronics control unit, Driver side airbag igniter



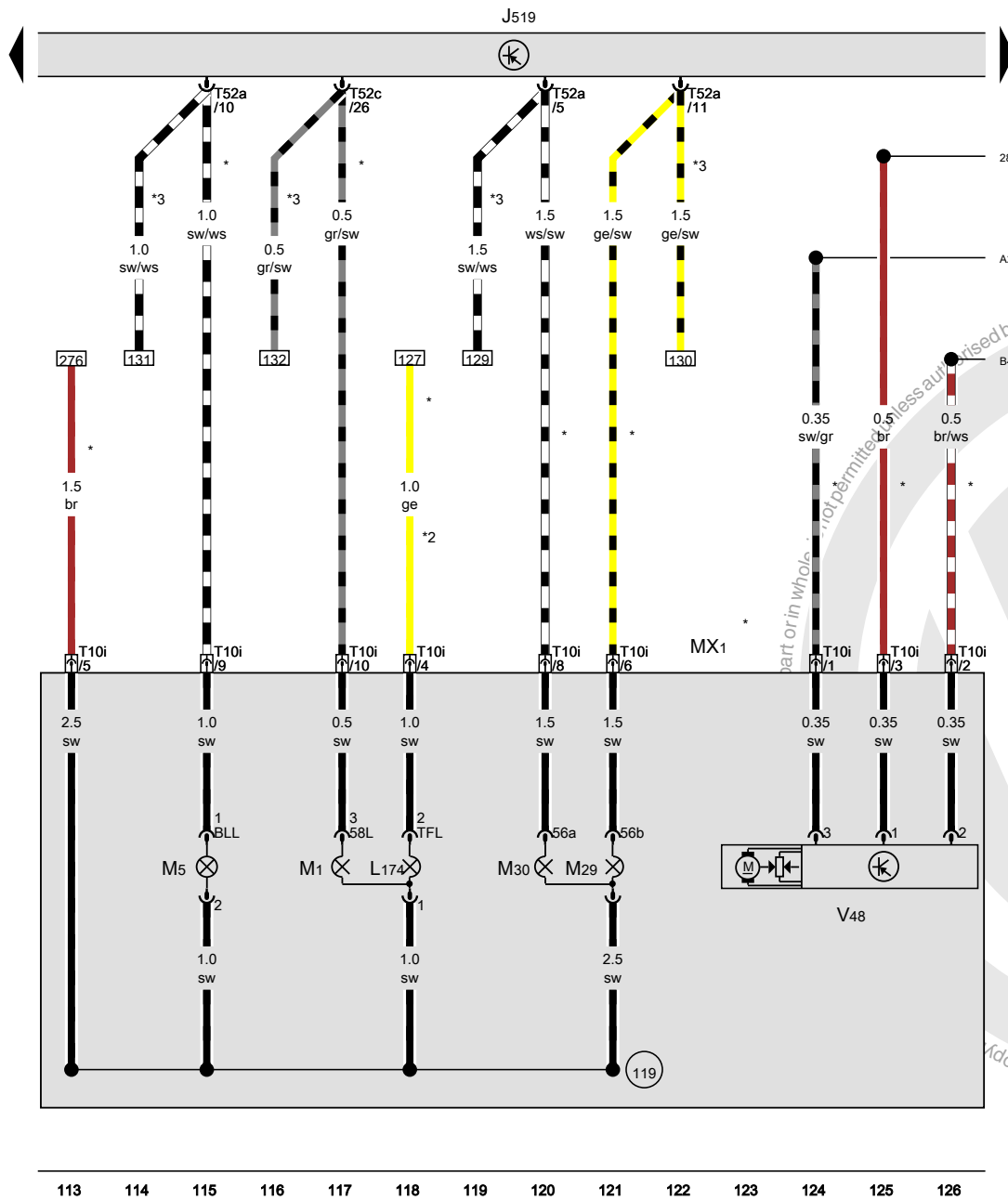
- F350 Coil connector
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector, yellow
- T12e 12-pin connector, yellow
- T16a 16-pin connector, black
- T50 50-pin connector
- 372 Earth connection 7, in main wiring harness
- * see applicable current flow diagram for airbag
- *2 see applicable current flow diagram for engine



Turn signal switch, Headlight dipper and flasher switch, Intermittent wiper switch, Rear wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

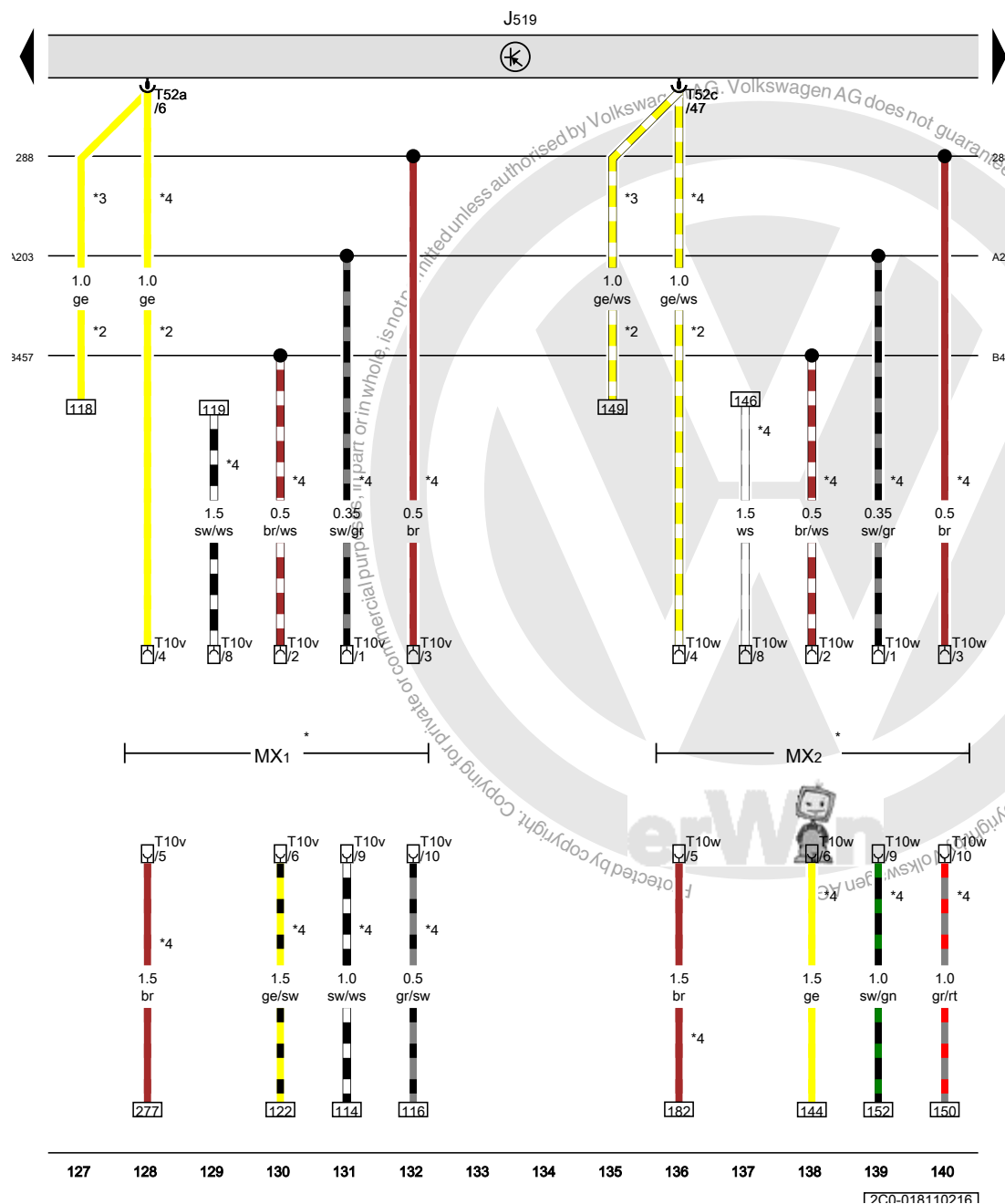
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T6bn 6-pin connector, white
- T8t 8-pin connector, white
- * Only models with cruise control system (CCS)
- *2 Only models with no multifunction steering wheel
- *3 Only models with multifunction display

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Onboard supply control unit, Left daytime running light bulb, Front left headlight, Left side light bulb, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T10i 10-pin connector, on left headlight
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- V48 Left headlight range control motor
- 119 Earth connection 1, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with H4 headlights
- *2 Only models with daytime running lights
- *3 Only models with H7 headlights

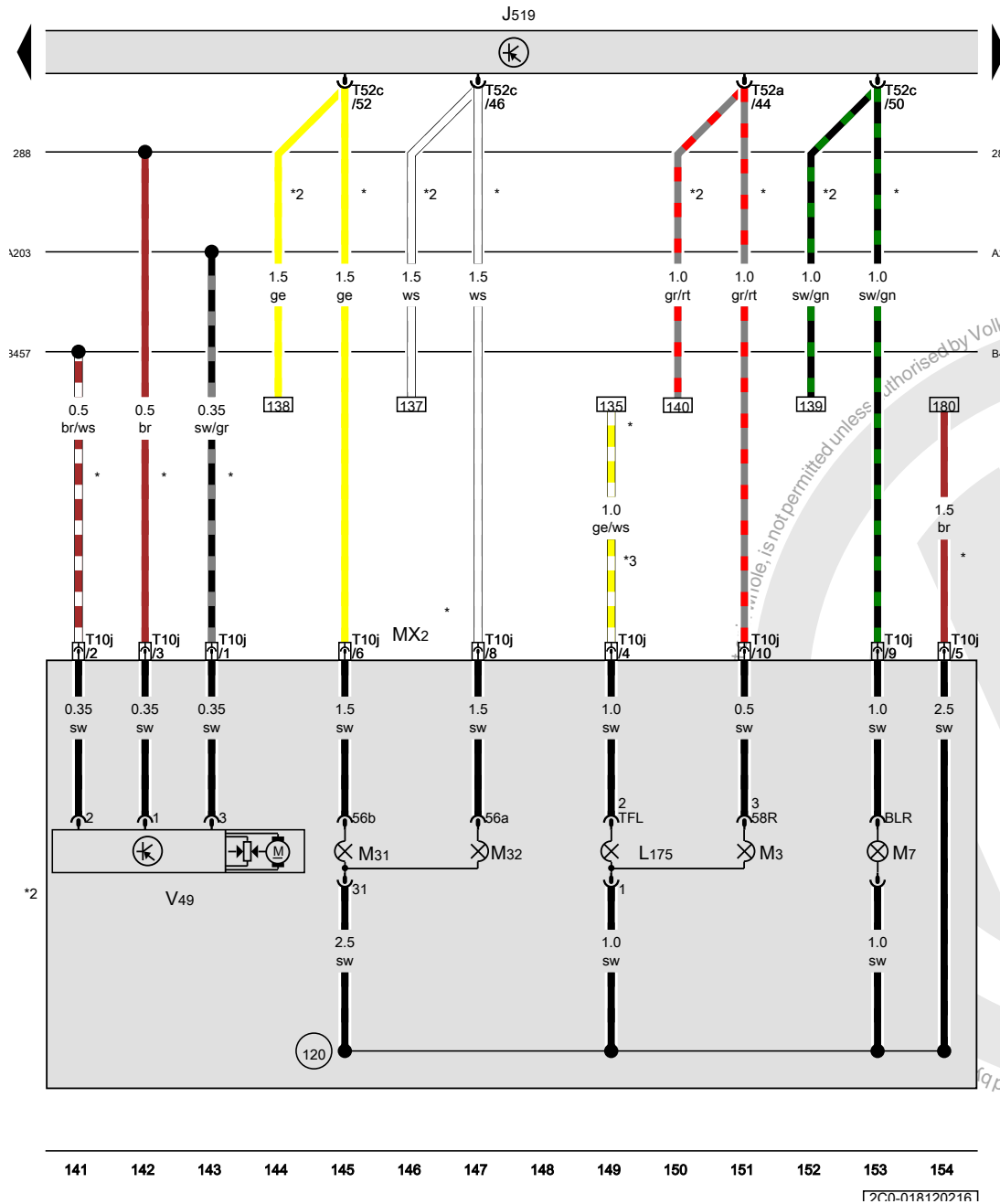


Onboard supply control unit

- J519 Onboard supply control unit
- MX1 Front left headlight
- MX2 Front right headlight
- T10v 10-pin connector, on left headlight, black
- T10w 10-pin connector, on right headlight, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

- * see applicable current flow diagram for headlights
- *2 Only models with daytime running lights
- *3 Only models with H4 headlights
- *4 Only models with H7 headlights

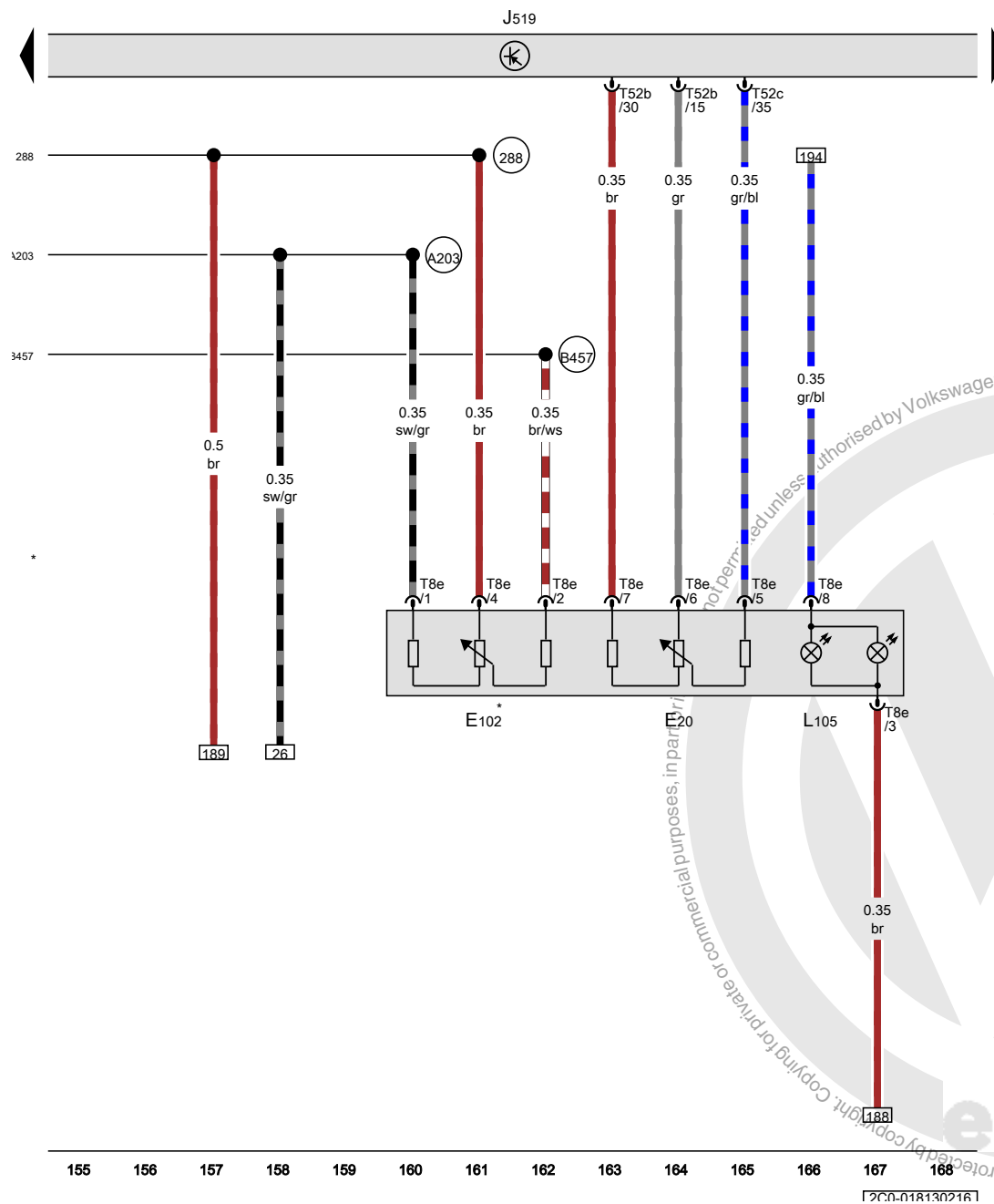


Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

- J519 Onboard supply control unit
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T10j 10-pin connector, on right headlight
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- V49 Right headlight range control motor

- 120 Earth connection 2, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with H4 headlights
- *2 Only models with H7 headlights
- *3 Only models with daytime running lights

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 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink



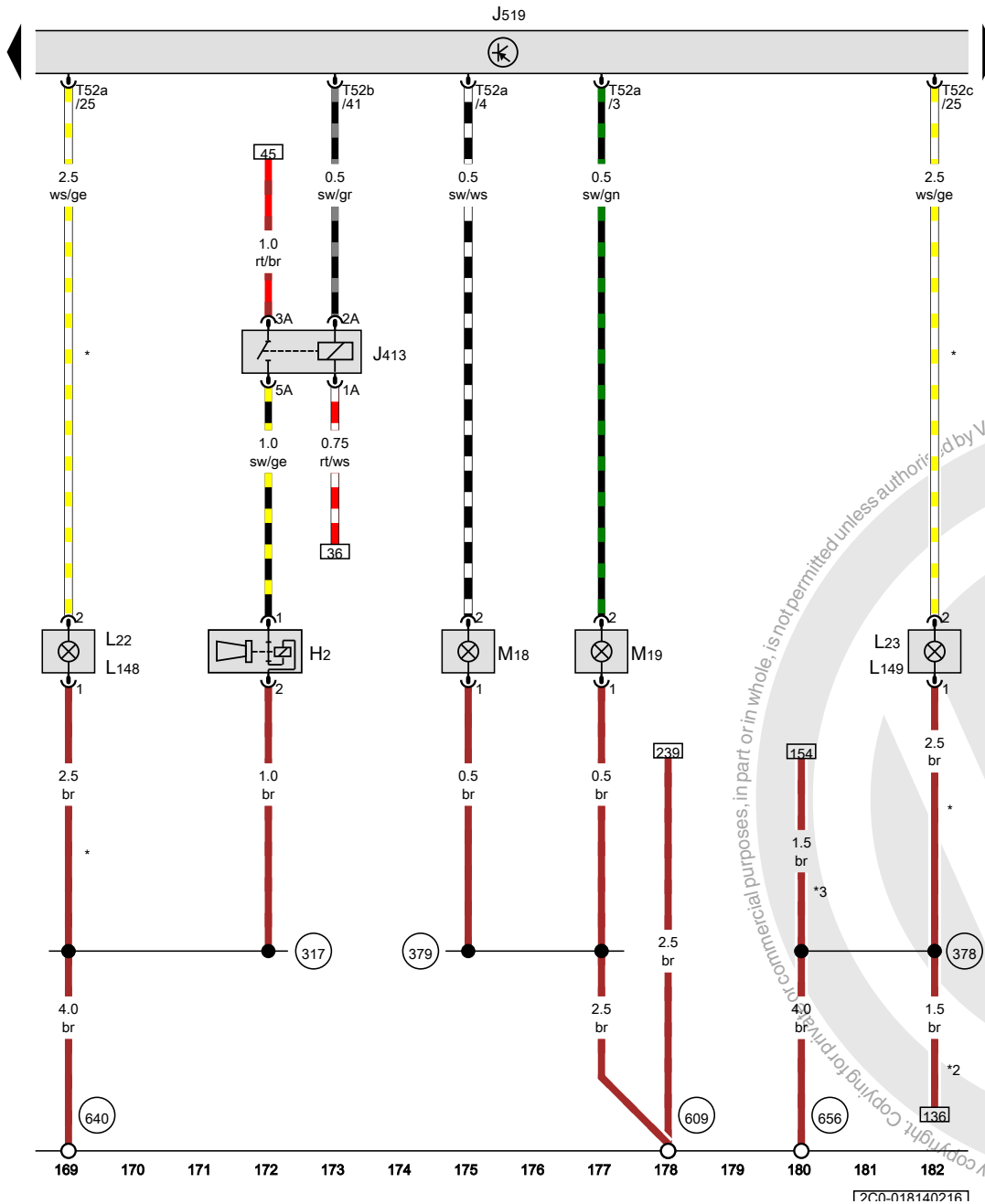
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with no automatic headlight range control

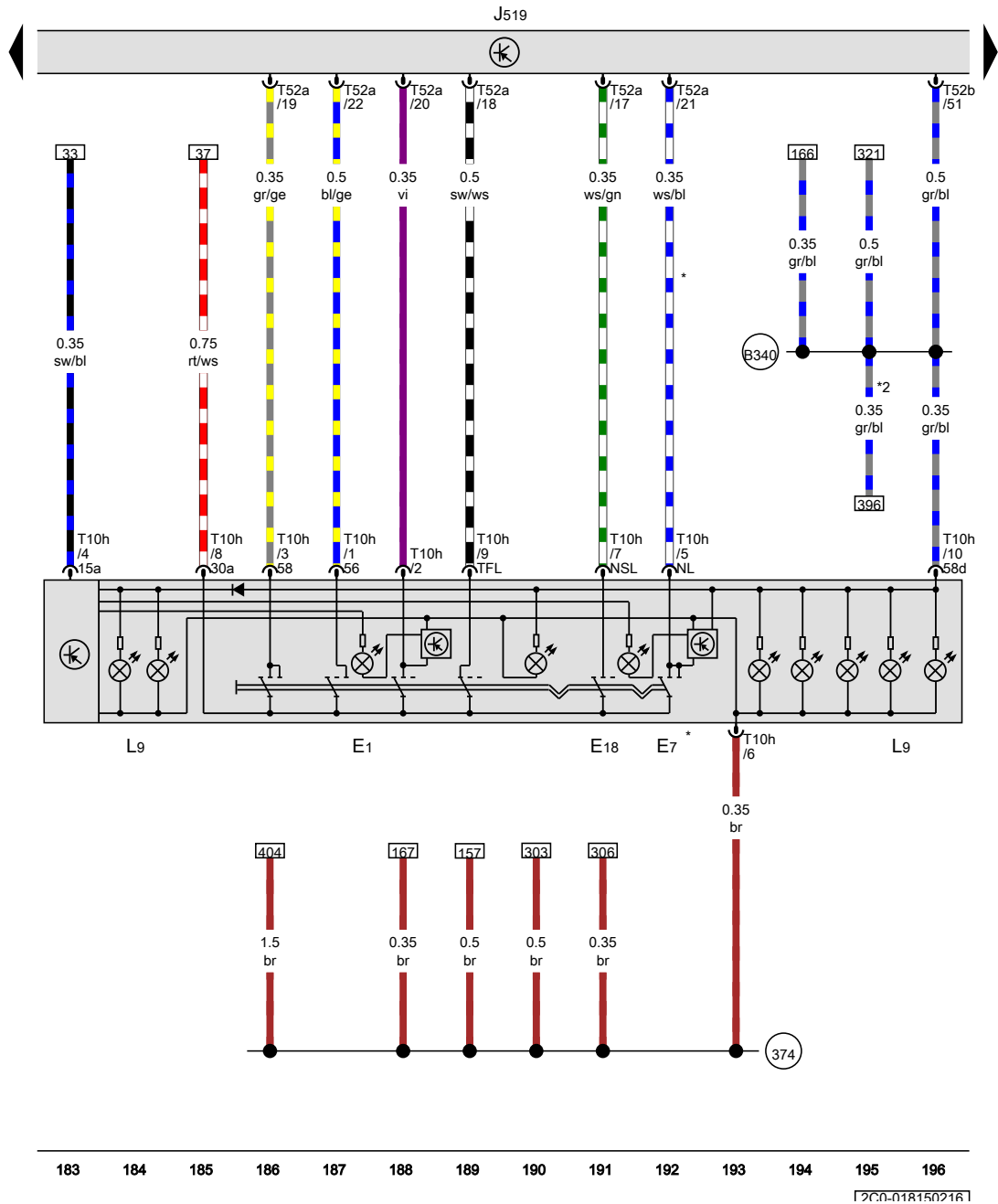
- ws = white
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- ro = red
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- gn = green
- bl = blue
- gr = grey
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Treble horn, Horn relay, Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left cornering light bulb, Right cornering light bulb, Left turn signal repeater bulb, Right turn signal repeater bulb



- H2 Treble horn
- J413 Horn relay
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L148 Left cornering light bulb
- L149 Right cornering light bulb
- M18 Left turn signal repeater bulb
- M19 Right turn signal repeater bulb
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 317 Earth connection 7, in engine compartment wiring harness
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 609 Earth point, on right in plenum chamber
- 640 Earth point 2, left in engine compartment
- 656 Earth point, on right headlight
- * Only models with fog lights
- *2 Only models with H7 headlights
- *3 Only models with H4 headlights

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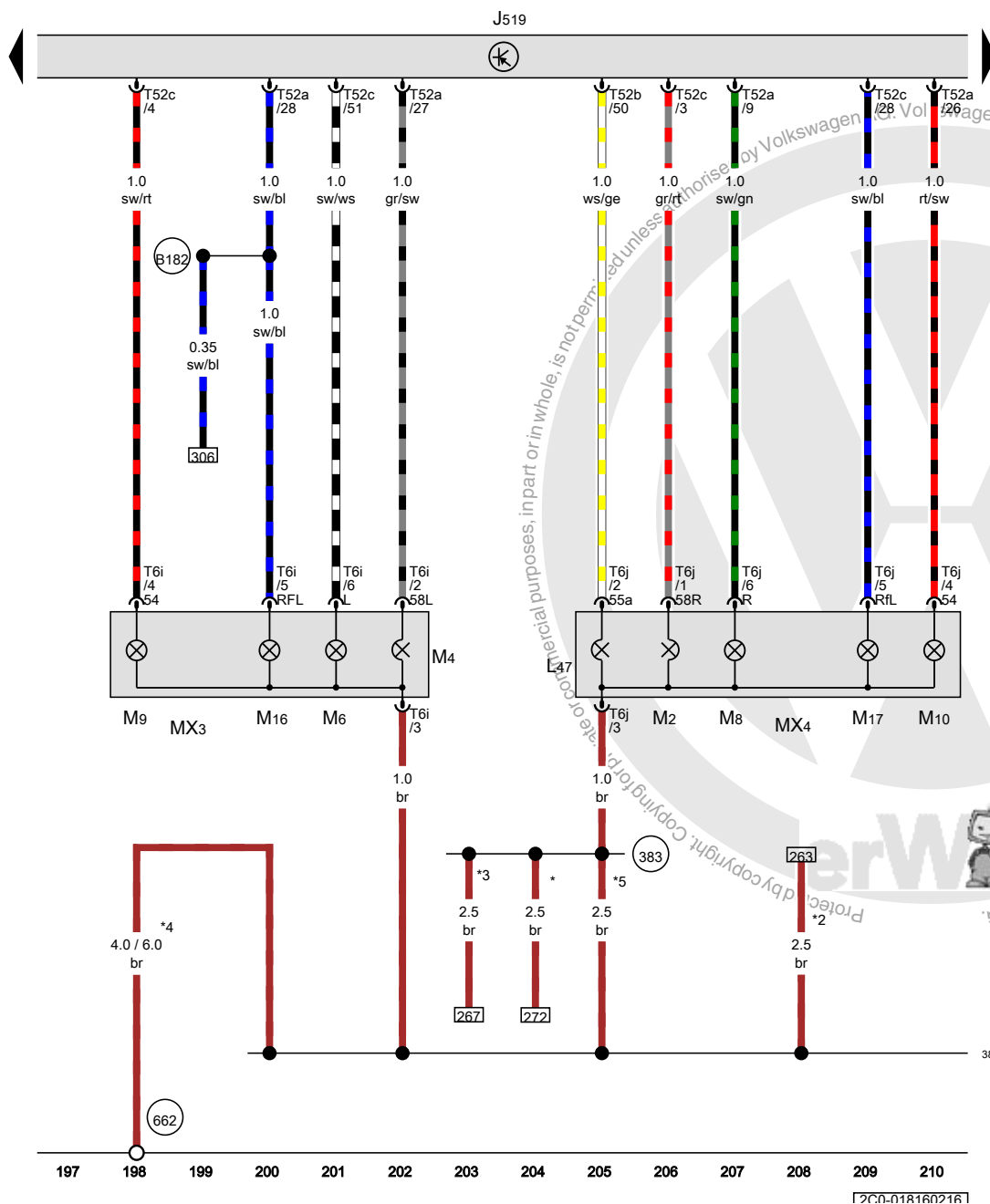


Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit

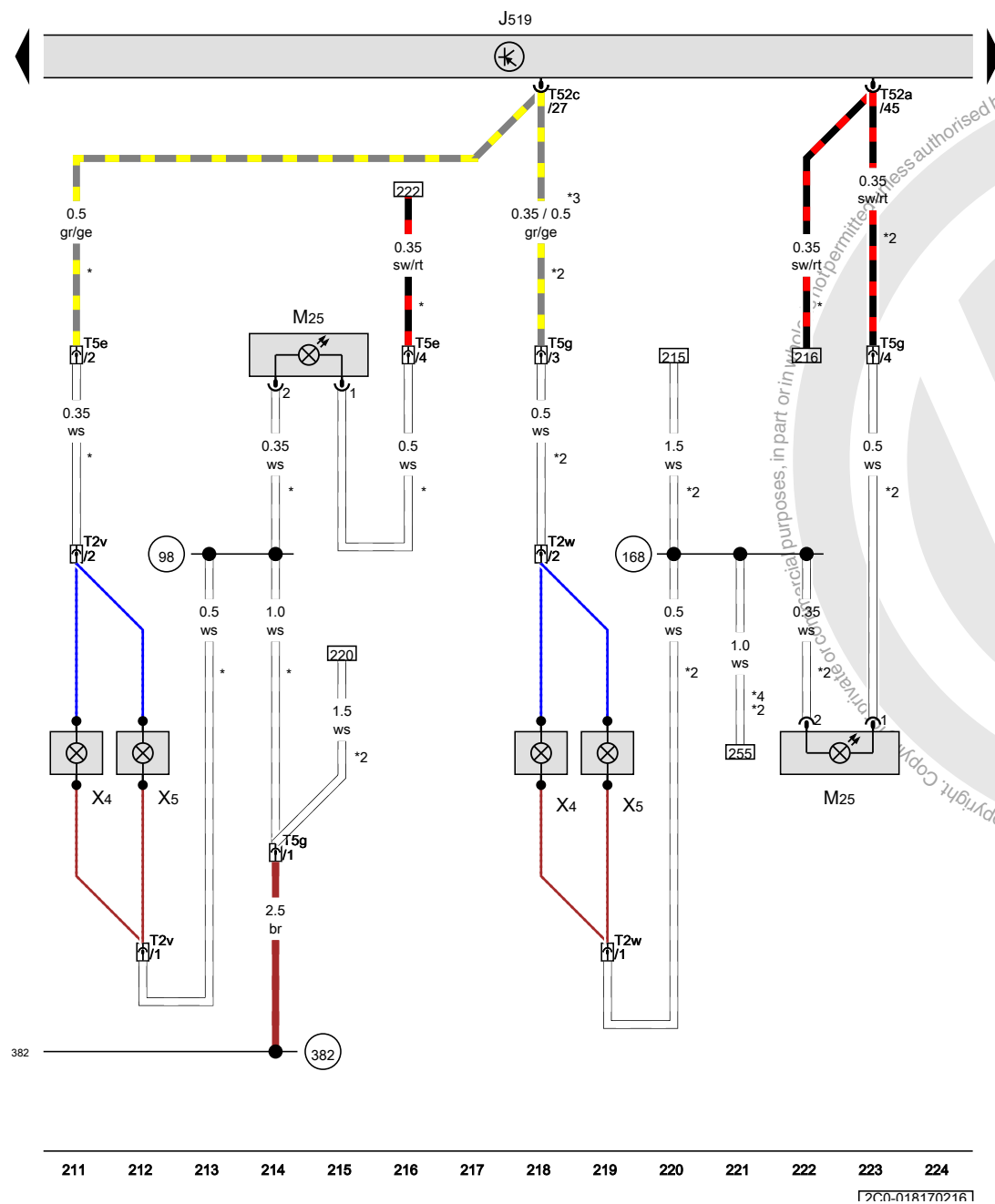
- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- L9 Light switch illumination bulb
- T10h 10-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- 374 Earth connection 9, in main wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with fog lights
- *2 According to equipment

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

Onboard supply control unit, Left tail light, Right tail light



Onboard supply control unit, High-level brake light bulb, Left number plate light, Right number plate light



- J519 Onboard supply control unit
- M25 High-level light bulb
- T2v 2-pin connector, in rear lid, black
- T2w 2-pin connector, in rear left wing door, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, light pink
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- X4 Left number plate light
- X5 Right number plate light

- 98 Earth connection, in rear lid wiring harness
- 168 Earth connection, in rear left wing door wiring harness
- 382 Earth connection 17, in main wiring harness
- * Only models with rear lid
- *2 Only models with wing doors
- *3 According to equipment
- *4 Only models with rear window wiper

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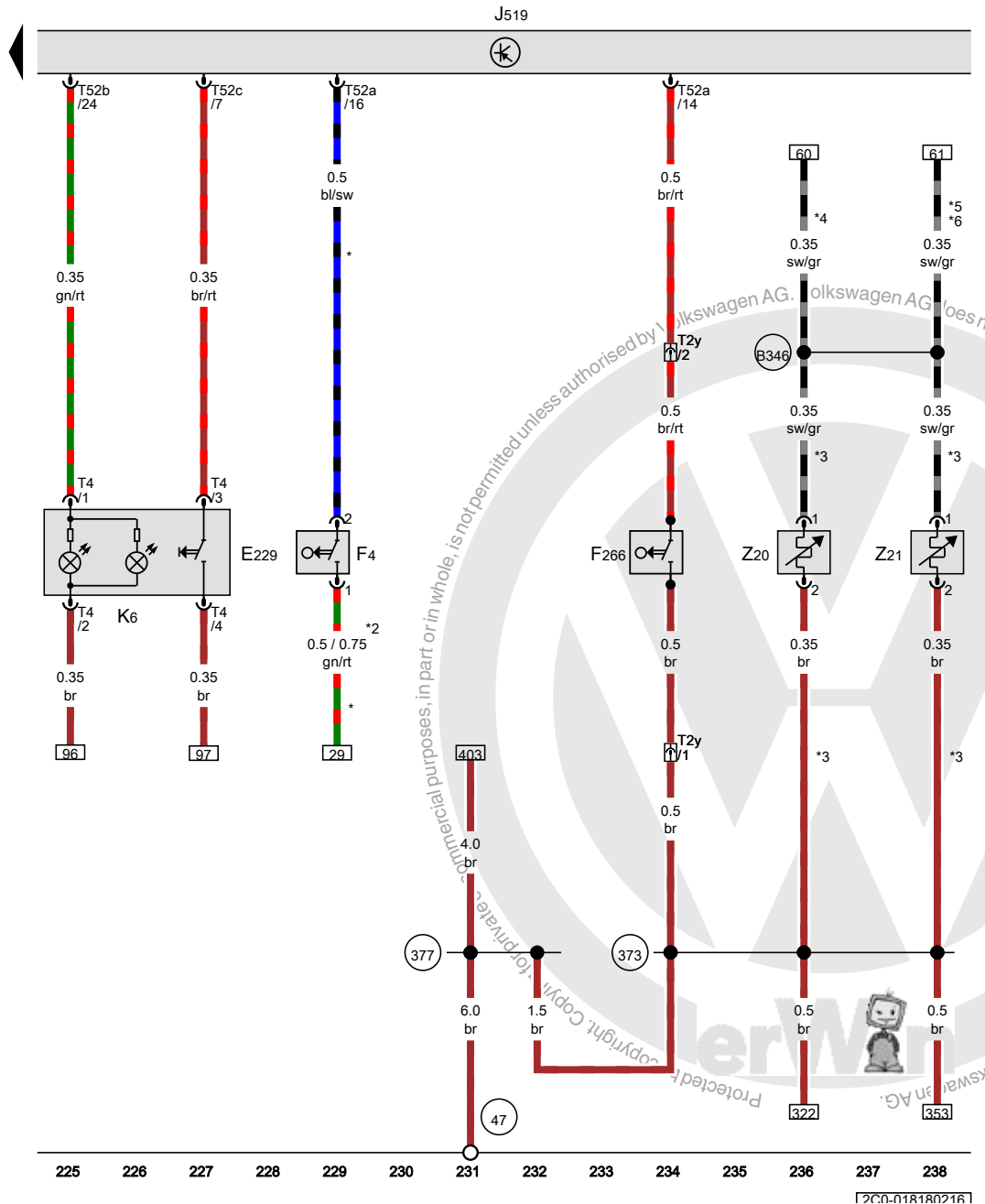
Hazard warning lights button, Reversing light switch, Bonnet contact switch, Onboard supply control unit, Left washer jet heater element, Right washer jet heater element

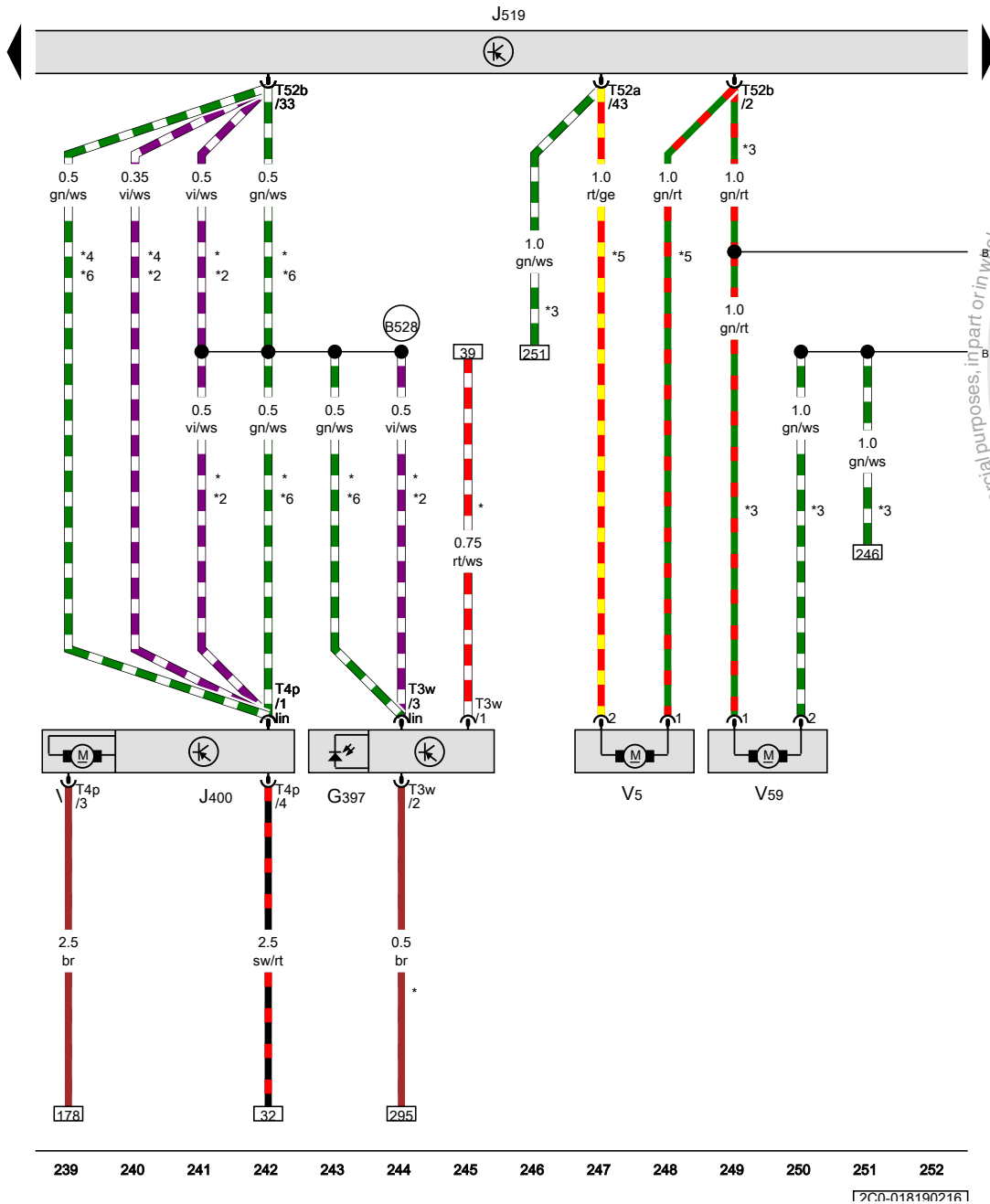
- E229 Hazard warning lights button
- F4 Reversing light switch
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2y 2-pin connector, near right headlight
- T4 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- B346 Connection 1 (75), in main wiring harness

- * Not for models with dual clutch gearbox
- *2 From May 2011
- *3 Only models with heated washer jets
- *4 Only models with air conditioning system/ Climatronic
- *5 Only models with no air conditioning system/Climatronic
- *6 Only models with seat heating

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Rain and light sensor, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Washer pump, Windscreen and rear window washer pump

- G397 Rain and light sensor
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- T3w 3-pin connector
- T4p 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V Windscreen wiper motor
- V5 Washer pump
- V59 Windscreen and rear window washer pump

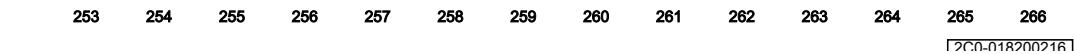
B183 Connection 1 (washer pump), in interior wiring harness

B184 Connection 2 (washer pump), in interior wiring harness

B528 Connection 1 (LIN bus) in main wiring harness

- * Only models with rain and light sensor
- *2 Up to April 2011
- *3 Only models with rear window wiper
- *4 Only models with no rain and light sensor
- *5 Only models with no rear window wiper
- *6 From May 2011

J9	Heated rear window relay
J519	Onboard supply control unit
T5b	5-pin connector
T5c	5-pin connector, in rear right side panel, light pink
T5e	5-pin connector, in rear left side panel, black
T5f	5-pin connector, in rear left side panel, light pink
T52b	52-pin connector, white
V12	Rear window wiper motor
Z26	Heated rear window in left wing door
Z27	Heated rear window in right wing door



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Onboard supply control unit, Rear window wiper motor, Heated rear window

- J519 Onboard supply control unit
 T4 4-pin connector
 T5c 5-pin connector, in rear right side panel, light pink
 T5e 5-pin connector, in rear left side panel, black
 V12 Rear window wiper motor
 Z1 Heated rear window

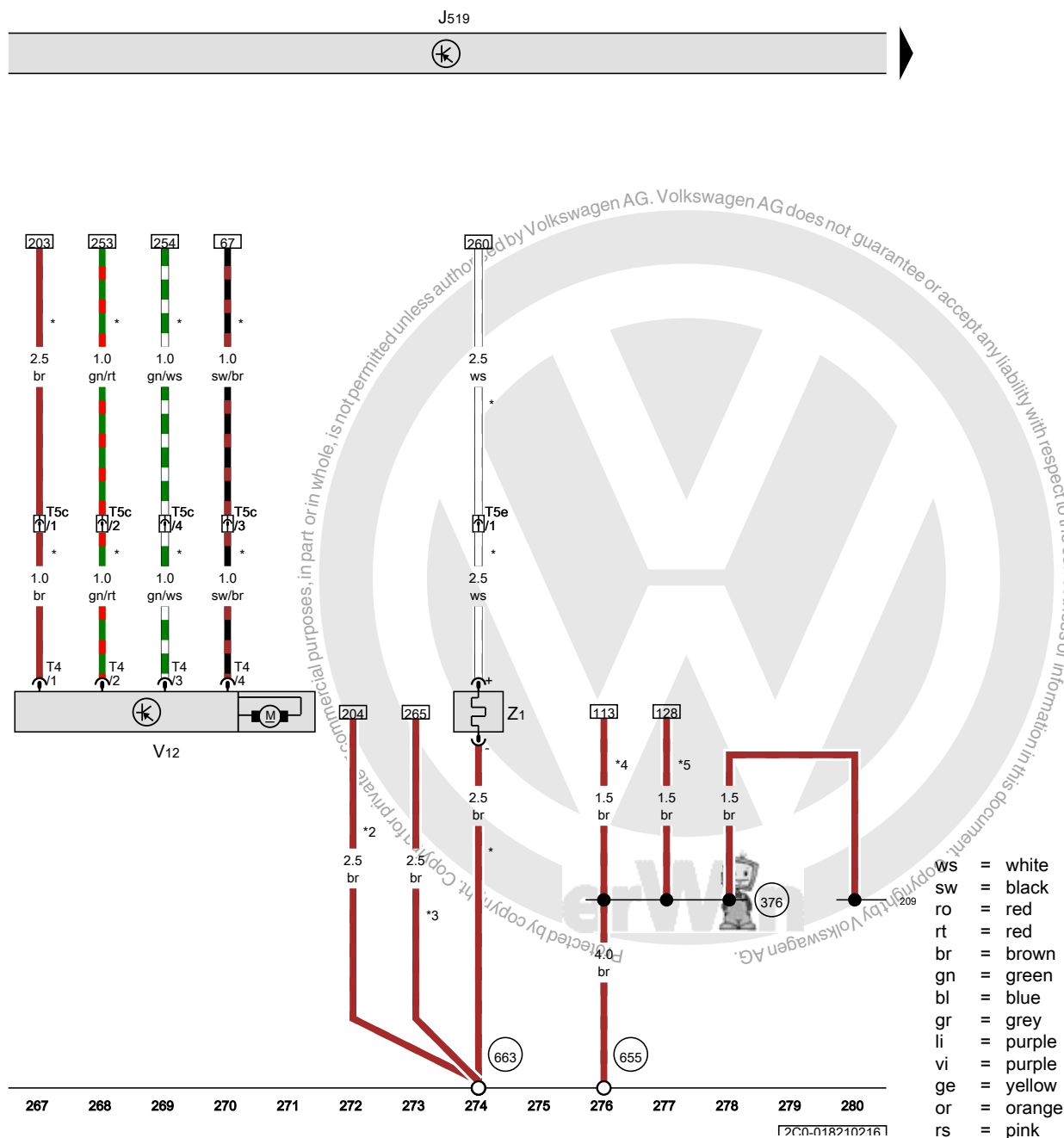
209 Earth connection 6, in engine compartment wiring harness

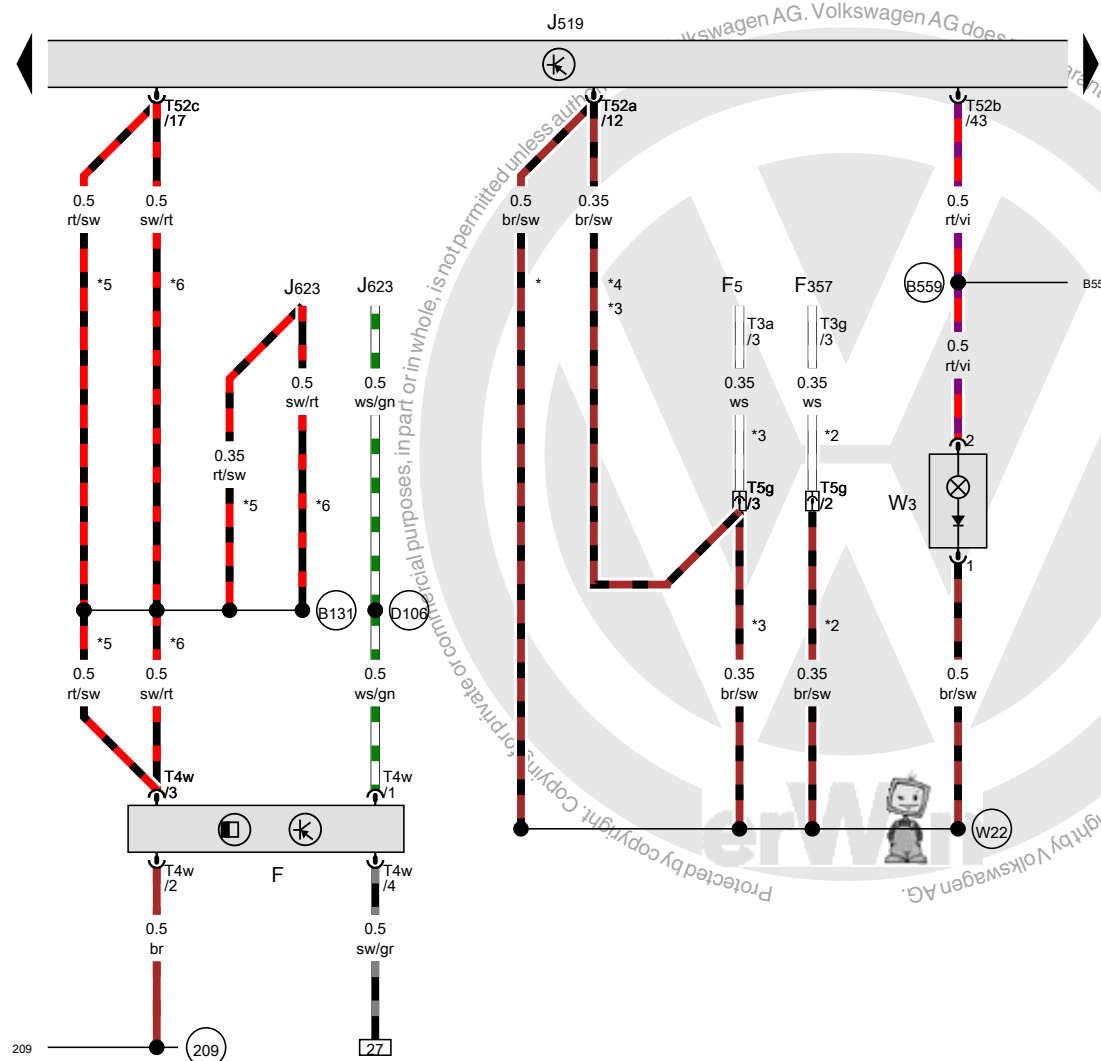
376 Earth connection 11, in main wiring harness

655 Earth point, on left headlight

663 Earth point, rear right side panel

- * Only models with rear lid
 *2 Optional equipment
 *3 Only models with wing doors
 *4 Only models with H4 headlights
 *5 Only models with H7 headlights

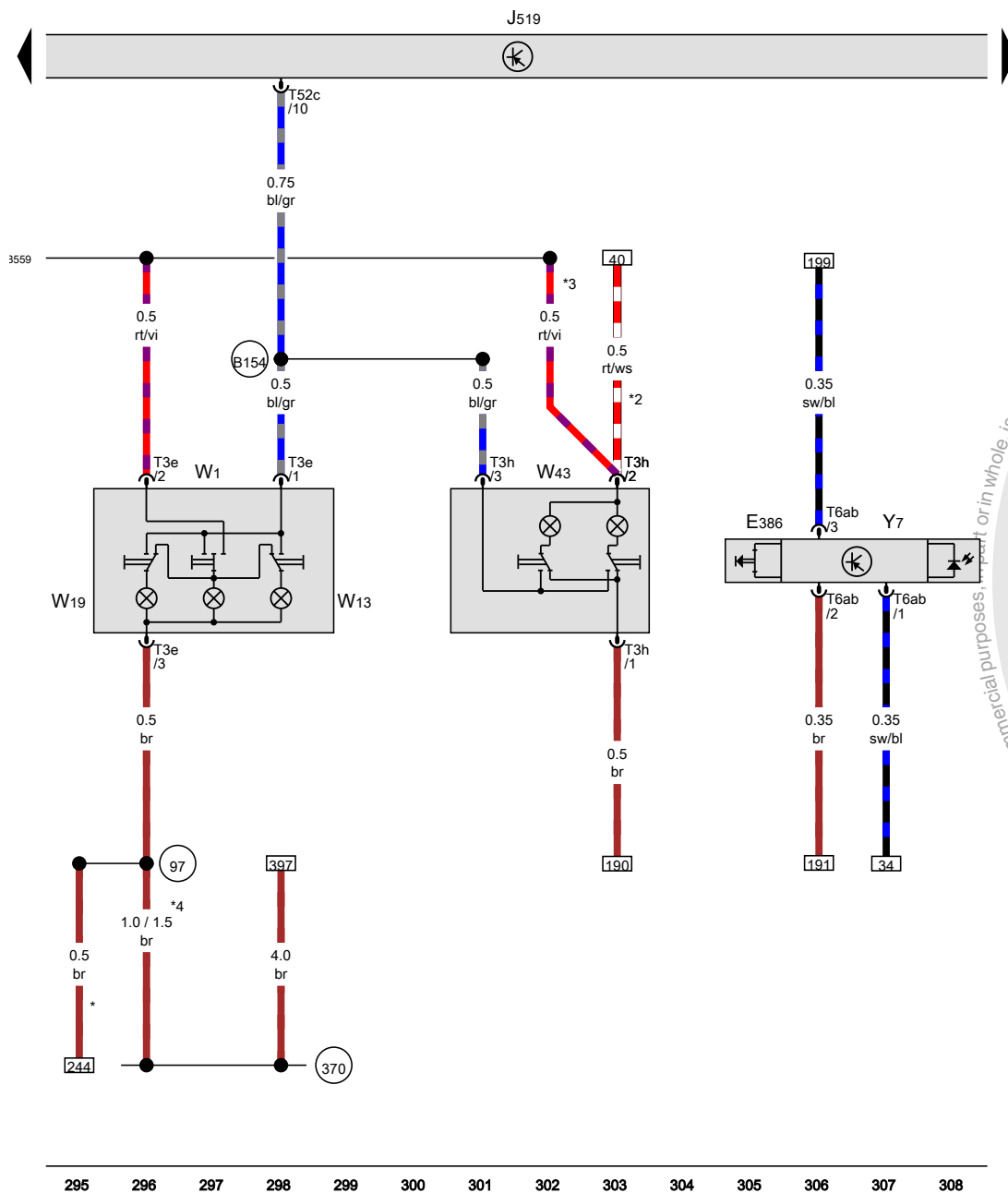




Brake light switch, Onboard supply control unit, Luggage compartment light

- F Brake light switch
- F5 Luggage compartment light switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- J623 Engine control unit
- T1 1-pin connector
- T3a 3-pin connector
- T3g 3-pin connector
- T4w 4-pin connector
- T5g 5-pin connector, in rear left side panel, light pink
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- W3 Luggage compartment light
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- W22 Connection (door contact switch), in rear wiring harness
- * Only models with luggage compartment light
- *2 Only models with wing doors
- *3 Only models with rear lid
- *4 Only models with no luggage compartment light
- *5 Up to April 2011
- *6 From May 2011

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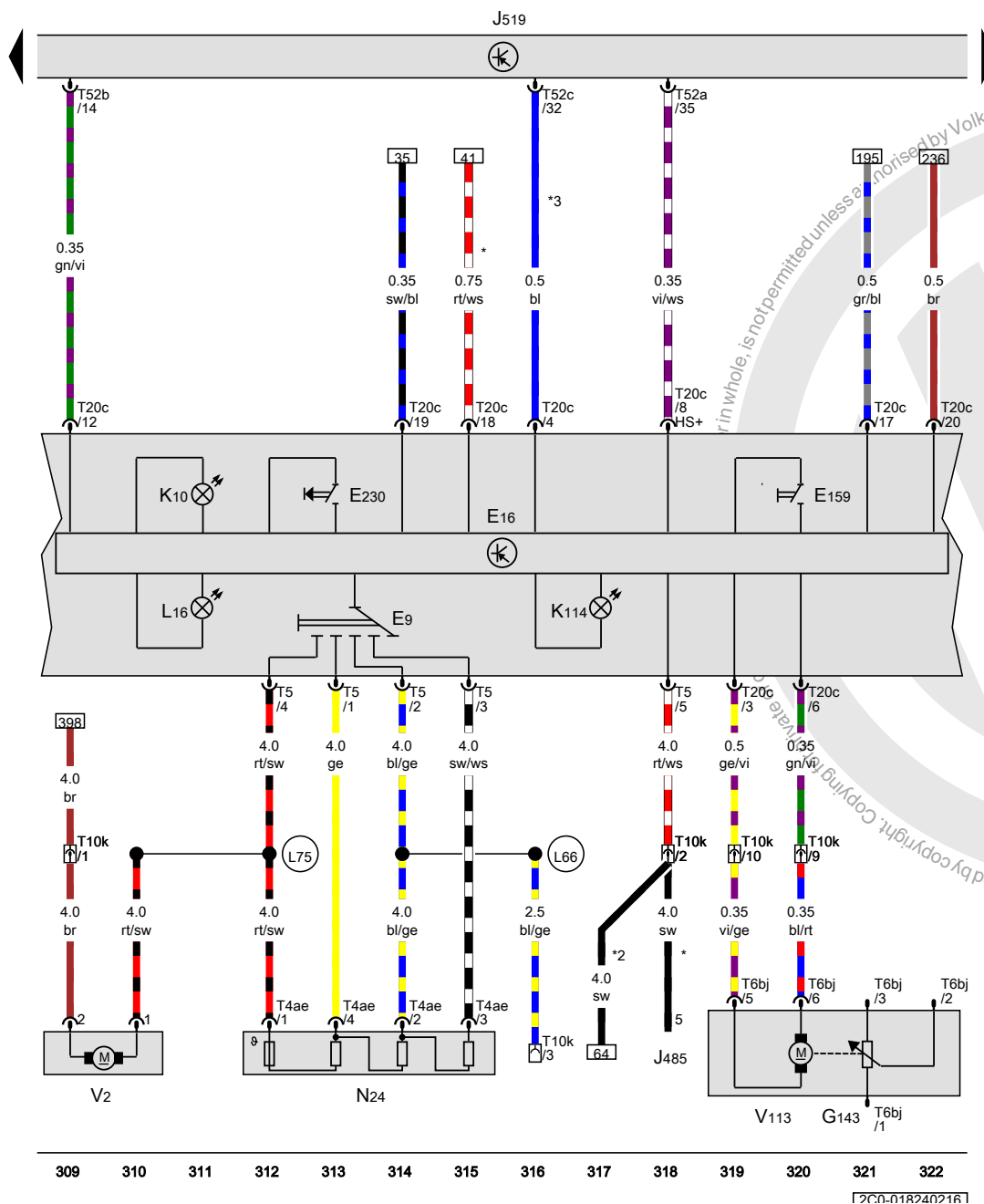


Anti-dazzle interior mirror button, Onboard supply control unit, Front interior light, Rear interior light, Automatic anti-dazzle interior mirror

- E386 Anti-dazzle interior mirror button
- J519 Onboard supply control unit
- T3e 3-pin connector
- T3h 3-pin connector
- T6ab 6-pin connector
- T52c 52-pin connector, brown
- W1 Front interior light
- W13 Front passenger reading light
- W19 Driver side reading light
- W43 Rear interior light
- Y7 Automatic anti-dazzle interior mirror
- 97 Earth connection 1, in air conditioning system wiring harness
- 370 Earth connection 5, in main wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- * Only models with rain and light sensor
- *2 Only Camper
- *3 Not for Camper
- *4 From May 2011

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

Fresh air blower switch, Heater/heat output switch, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Air recirculation flap control motor



- E9 Fresh air blower switch
- E16 Heater/heat output switch
- E159 Fresh air and air recirculation flap switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- T4ae 4-pin connector
- T5 5-pin connector
- T6bj 6-pin connector
- T10k 10-pin connector, behind dash panel, right
- T20c 20-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- V2 Fresh air blower
- V113 Air recirculation flap control motor

L66 Connection, in heater blower wiring harness

L75 Connection 2, in heater blower wiring harness

* Only models with auxiliary coolant heater

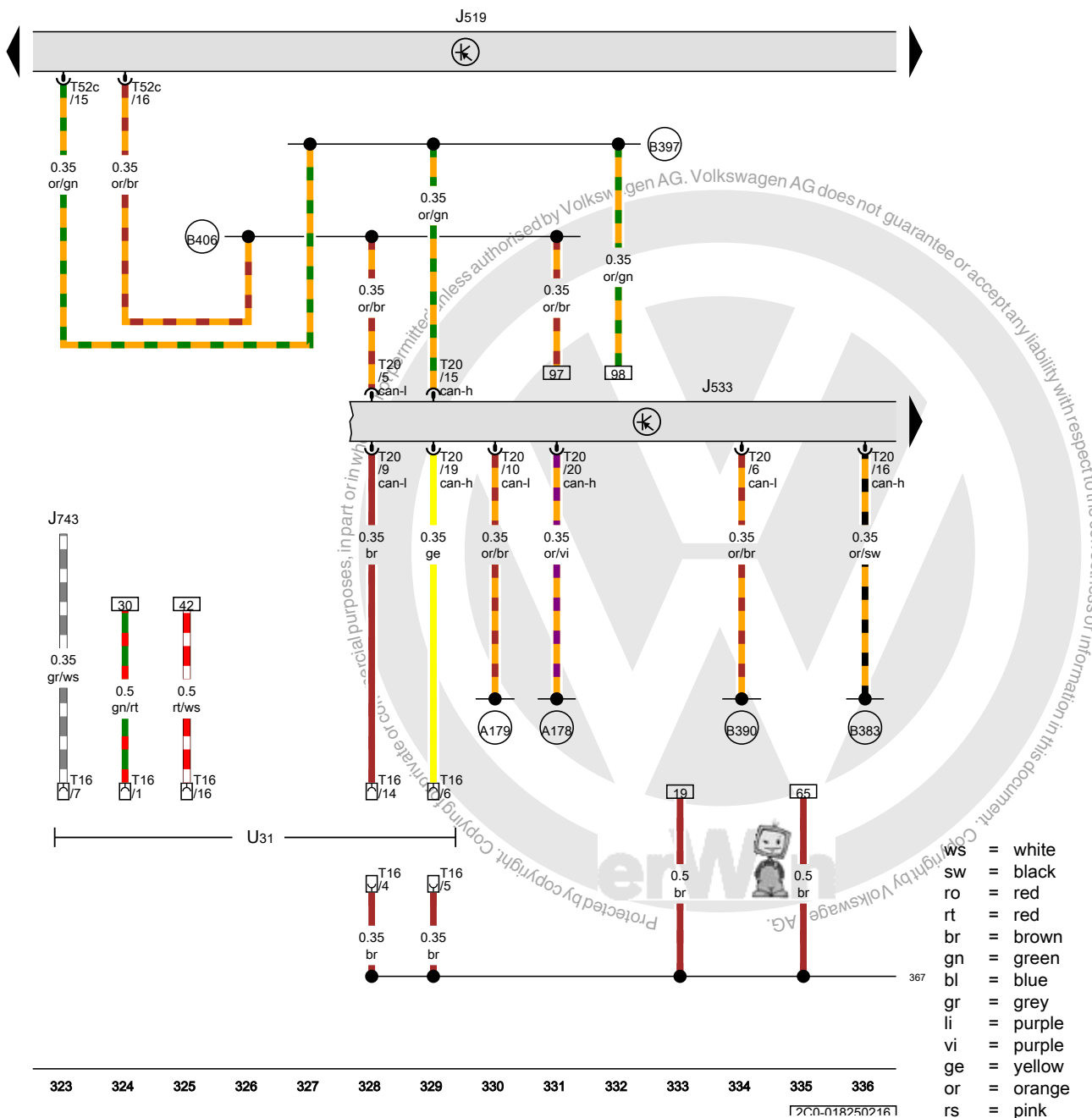
*2 Only models with no auxiliary coolant heater

*3 Only models with start/stop system

Onboard supply control unit, Data bus diagnostic interface,
Diagnostic connection

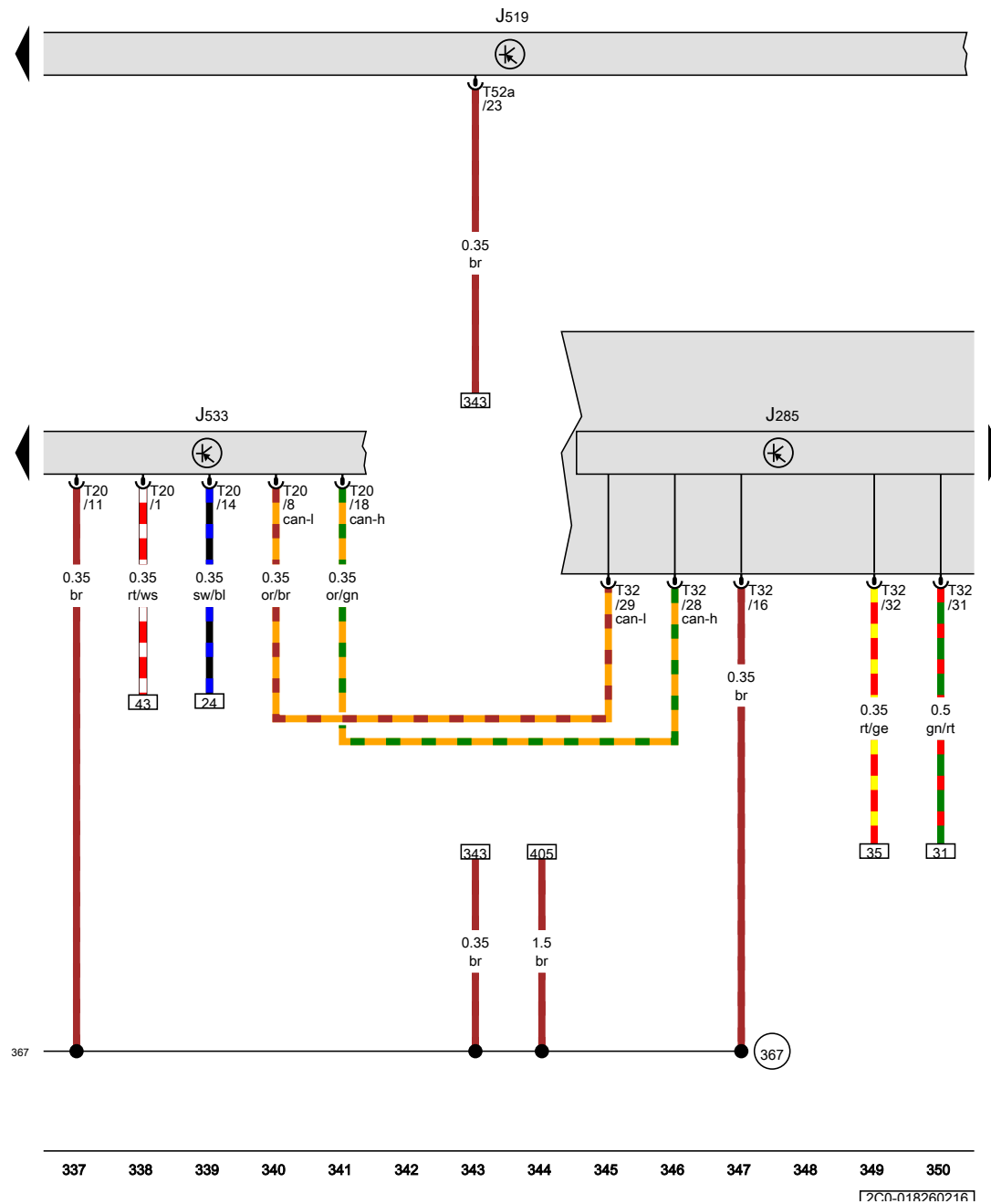
J519 Onboard supply control unit
J533 Data bus diagnostic interface
J743 Mechatronic unit for dual clutch gearbox
T16 16-pin connector
T20 20-pin connector, red
T52c 52-pin connector, brown
U31 Diagnostic connection

- (367) Earth connection 2, in main wiring harness
- (A178) Connection (infotainment CAN bus, high), in dash panel wiring harness
- (A179) Connection (infotainment CAN bus, low), 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
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness



Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

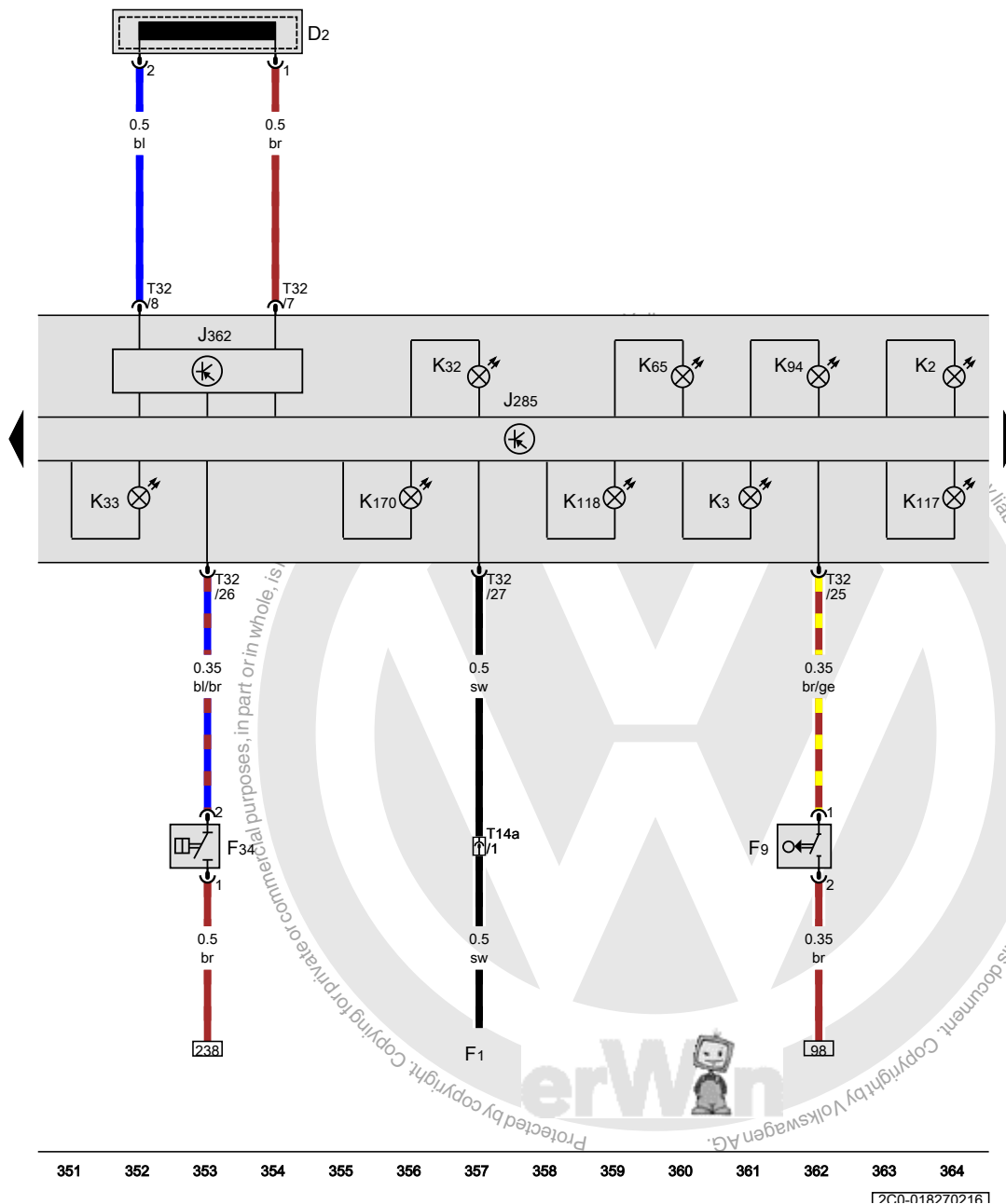
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52a 52-pin connector, black
- 367 Earth connection 2, in main wiring harness



1700-018260216

Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Control unit in dash panel insert, Bulb failure warning lamp

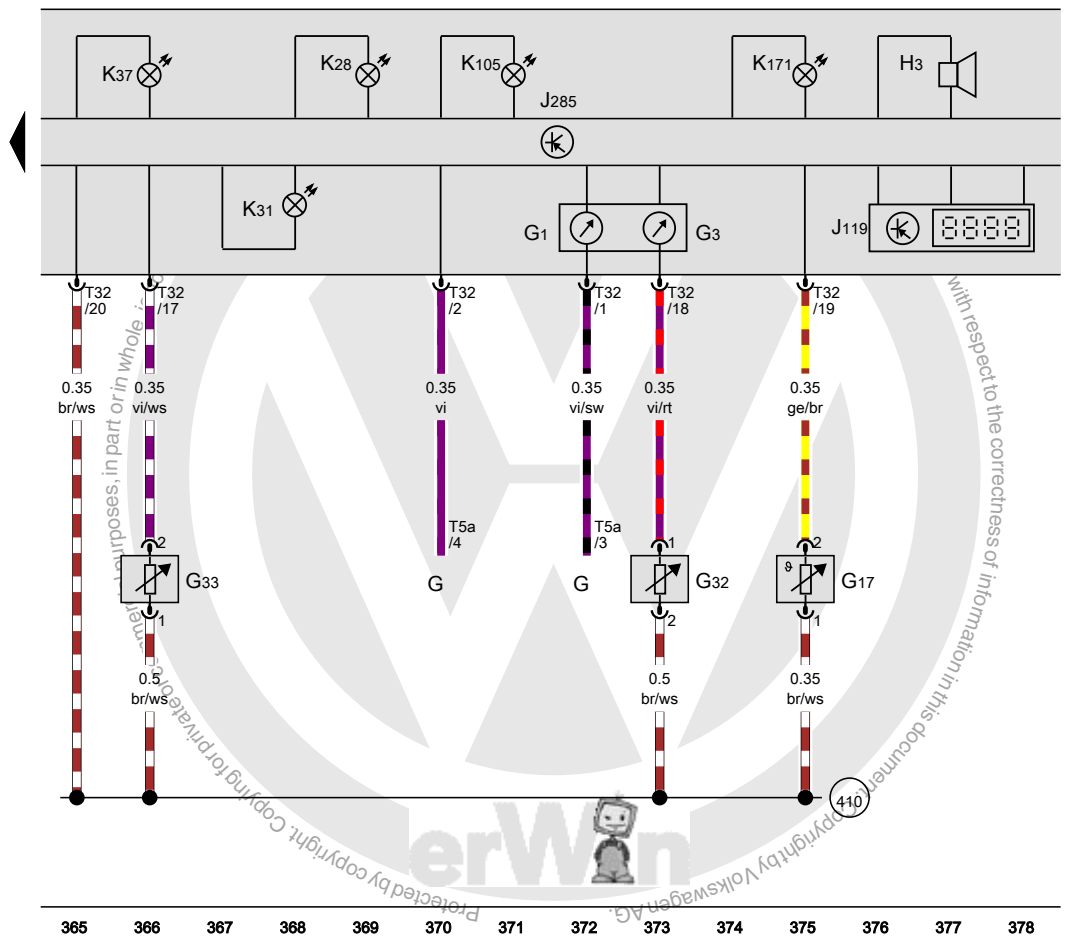
- D2 Immobiliser reader coil
- F1 Oil pressure switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K32 Brake pad warning lamp
- K33 Brake fluid level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K117 Immobiliser warning lamp
- K118 Brake system warning lamp
- K170 Bulb failure warning lamp
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue



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

Fuel gauge, Coolant temperature gauge, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Multifunction indicator, Control unit in dash panel insert, Coolant temperature and coolant shortage warning lamp, Washer fluid level warning lamp, Reserve fuel warning lamp, Bonnet open warning lamp

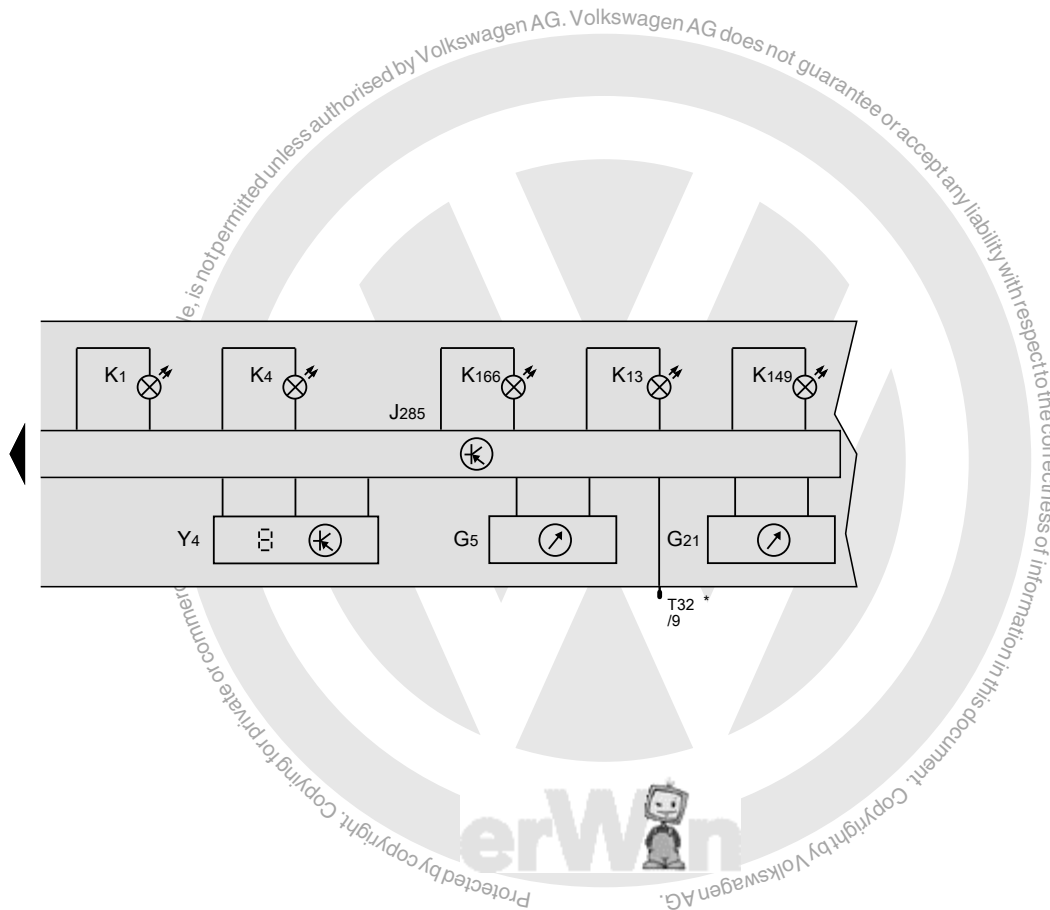
- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K37 Washer fluid level warning lamp
- K105 Reserve fuel warning lamp
- K171 Bonnet open warning lamp
- T5a 5-pin connector
- T32 32-pin connector, blue
- 410 Earth connection 1 (sender earth) in main wiring harness



- 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

Rev. counter, Speedometer, Control unit in dash panel insert, Main beam warning lamp, Side light warning lamp, Rear fog light warning lamp, Engine electronics warning lamp, Door open warning lamp, Trip counter

- G5 Rev. counter
- G21 Speedometer
- J285 Control unit in dash panel insert
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- K149 Engine electronics warning lamp
- K166 Door open warning lamp
- Y4 Trip counter
- * Output for speed signal



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

Cigarette lighter, 12 V socket, 12 V socket 2

- L28 Cigarette lighter illumination bulb
- T3bs 3-pin connector
- T3d 3-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in rear centre console
- U18 12 V socket 2, in rear left side panel

375 Earth connection 10, in main wiring harness

602 Earth point, in front left footwell

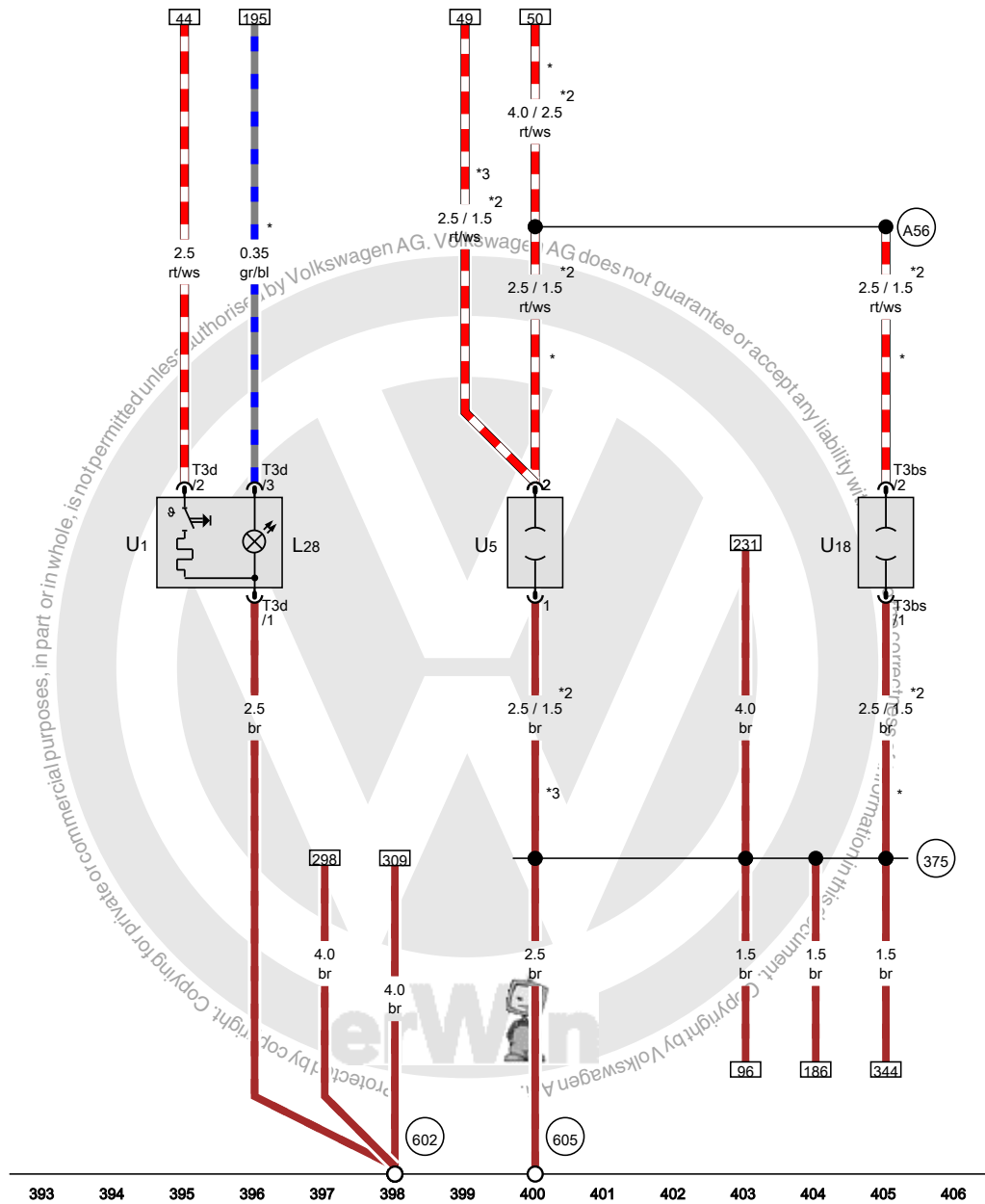
605 Earth point, on top end of steering column

A56 Positive connection 2 (30), in dash panel wiring harness

* According to equipment

*2 From May 2011

*3 Only models with 12 V socket



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

17C00-018300216

Radio navigation system

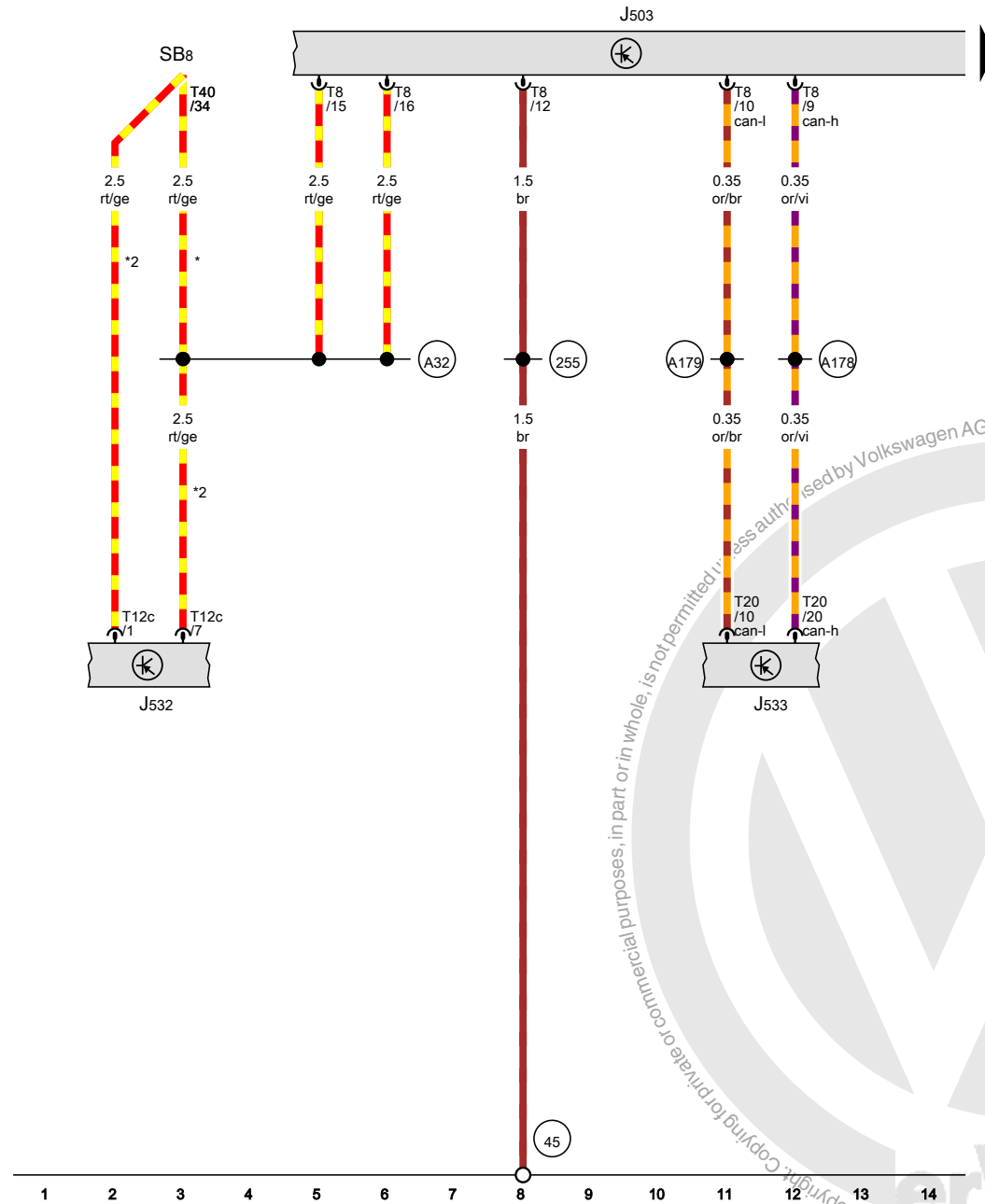
From August 2010



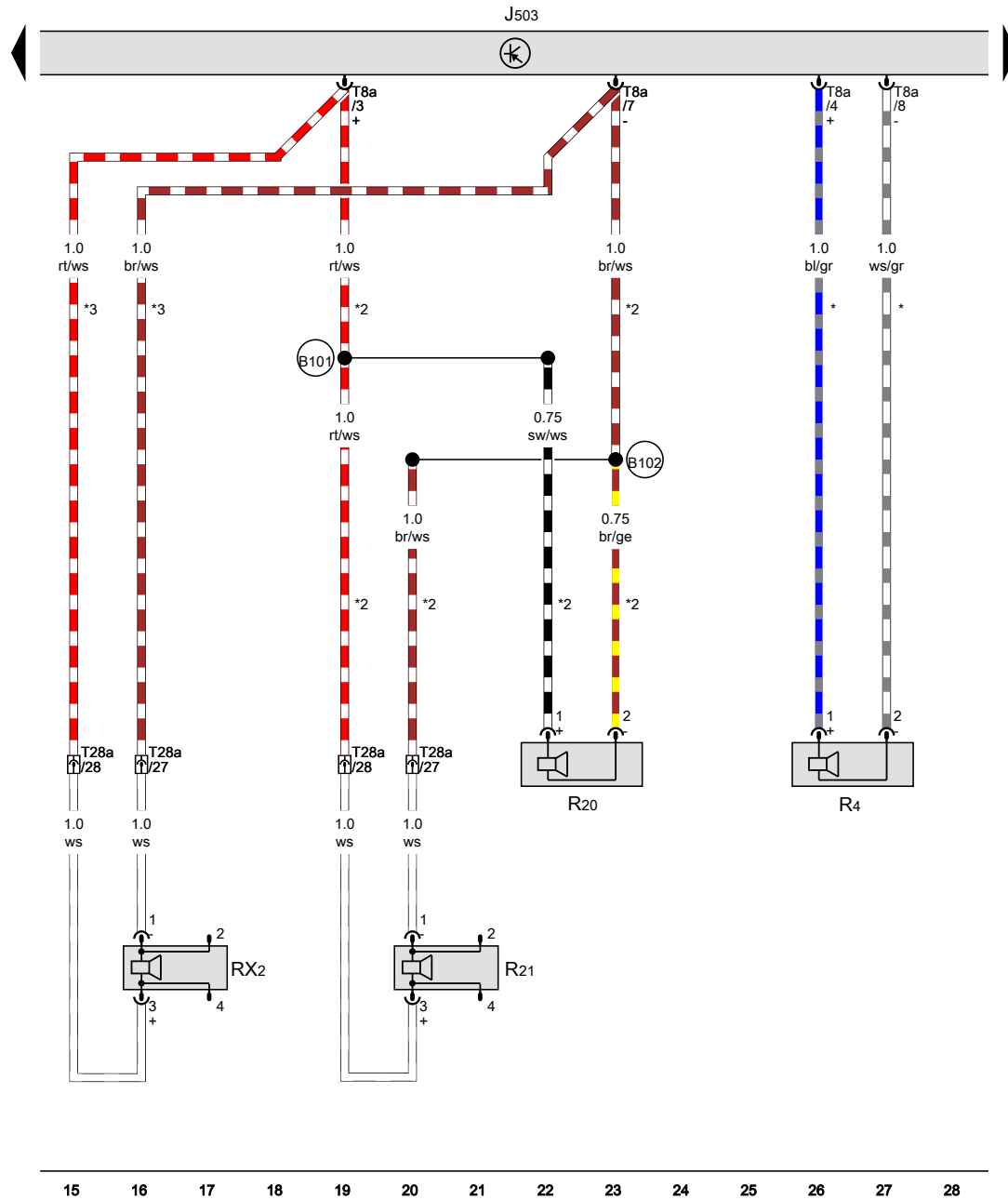
Control unit with display for radio and navigation, Data bus diagnostic interface

- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- J533 Data bus diagnostic interface
- SB8 Fuse 8 on fuse holder B
- T8 8-pin connector, black
- T12c 12-pin connector, black
- T20 20-pin connector, red
- T40 40-pin connector

- 45 Earth point, centre behind dash panel
- 255 Earth connection 1, in radio wiring harness
- A32 Positive connection (30), in dash panel wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * Only models with no start/stop system
- *2 Only models with start/stop system



- 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



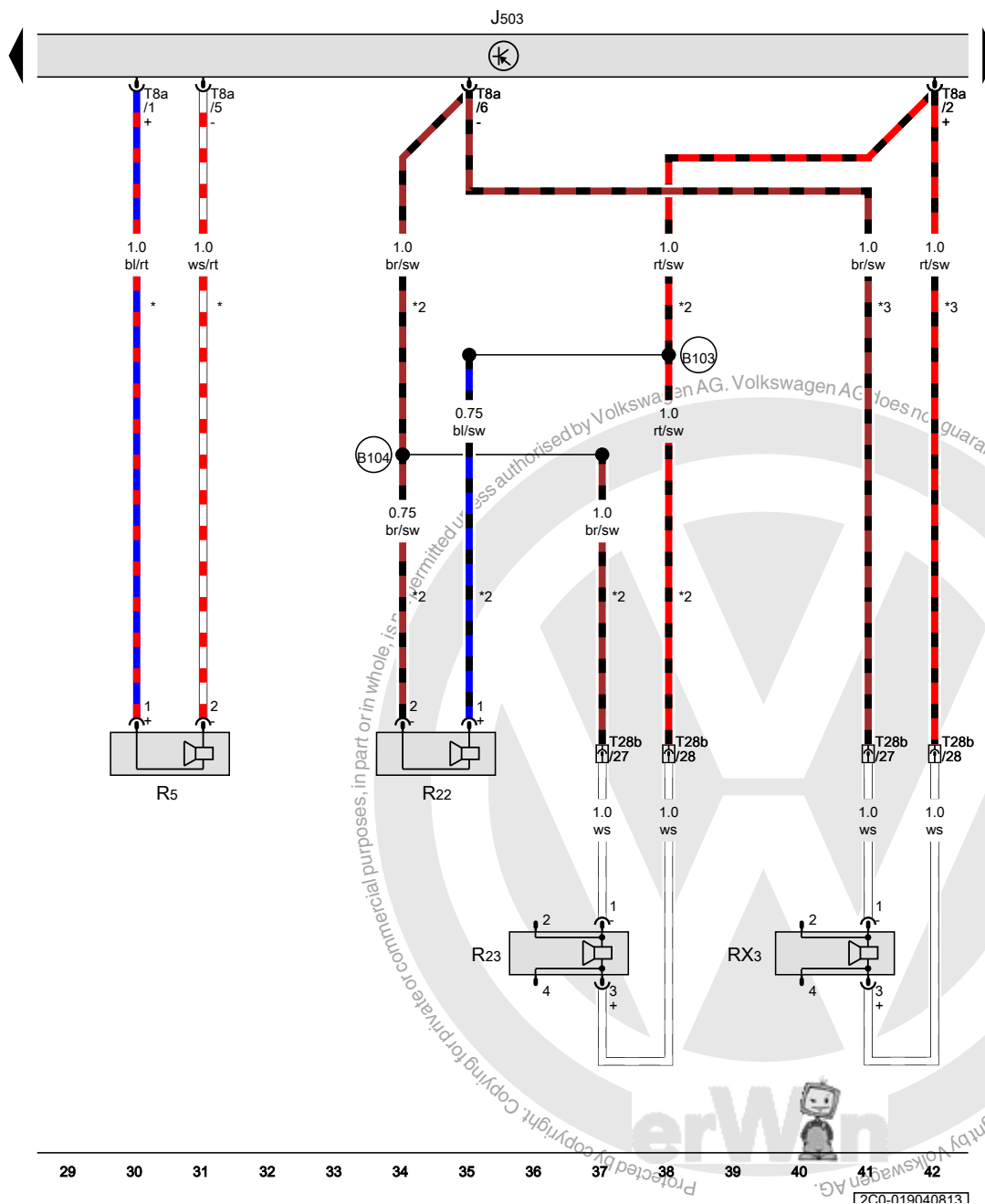
Control unit with display for radio and navigation, Front left door loudspeaker, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- J503 Control unit with display for radio and navigation
- RX2 Front left door loudspeaker
- R4 Rear left loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T8a 8-pin connector
- T28a 28-pin connector, on left A-pillar

- B101 Connection (positive, front left speaker), in main wiring harness
- B102 Connection (negative, front left speaker), in main wiring harness
- * Only models with rear loudspeaker
- *2 Only models with 4 or 6 loudspeakers
- *3 Only models with 2 loudspeakers (8RD)

- 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

12C0-019030R13



Control unit with display for radio and navigation, Front right door loudspeaker, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- RX3 Front right door loudspeaker
- R5 Rear right loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T8a 8-pin connector
- T28b 28-pin connector, on right A-pillar

B103 Connection (positive, front right speaker), in main wiring harness

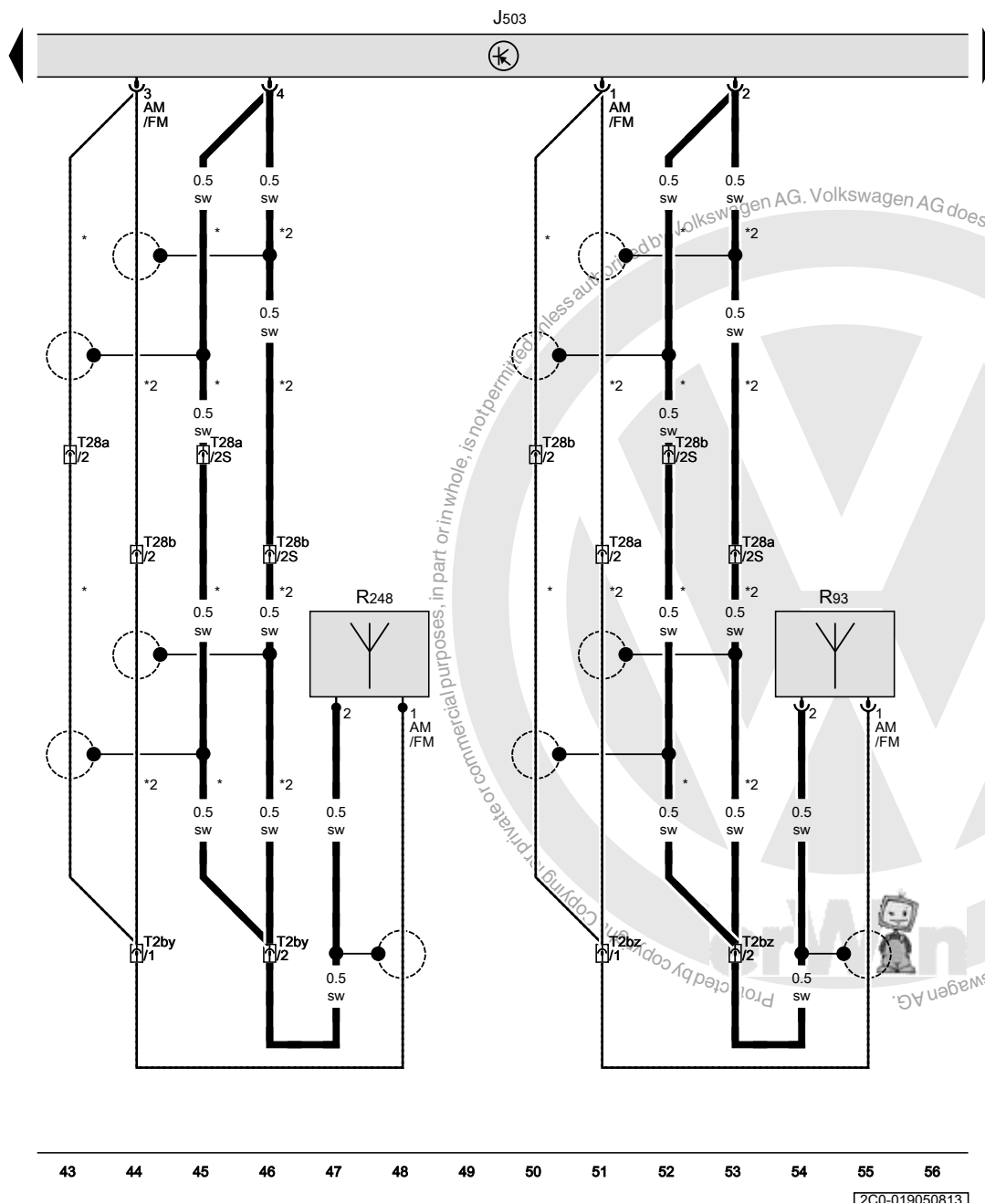
B104 Connection (negative, front right speaker), in main wiring harness

- * Only models with rear loudspeaker
- *2 Only models with 4 or 6 loudspeakers
- *3 Only models with 2 loudspeakers (8RD)

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

Control unit with display for radio and navigation, Radio aerial 2, Radio aerial

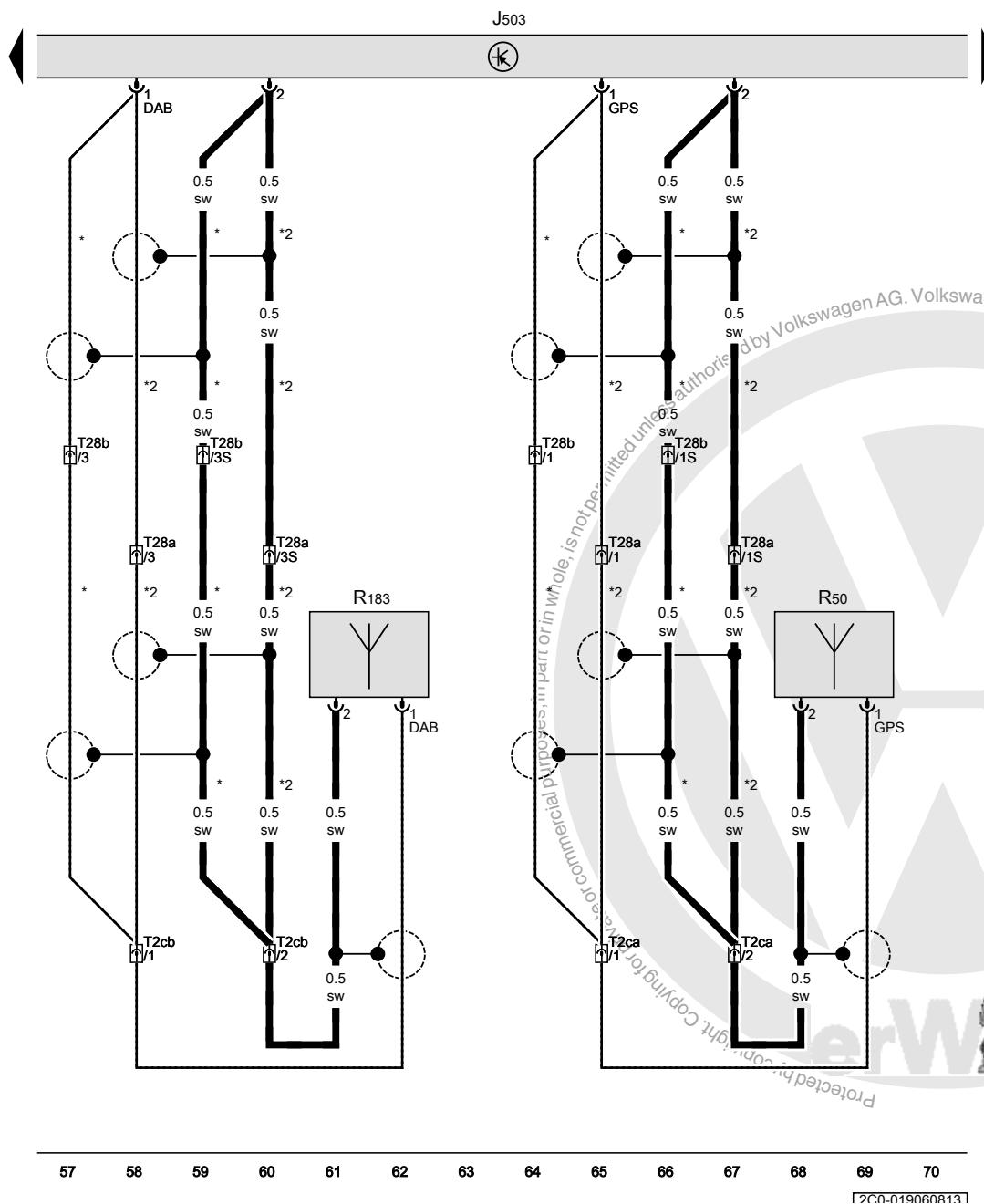
- J503 Control unit with display for radio and navigation
 R93 Radio aerial 2, in front passenger side exterior mirror housing
 R248 Radio aerial, in driver side exterior mirror housing
 T2by 2-pin connector, in driver door, white
 T2bz 2-pin connector, in front passenger door, light brown
 T28a 28-pin connector, on left A-pillar
 T28b 28-pin connector, on right A-pillar
 * Only left-hand drive models
 *2 Only right-hand drive models



- 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

Control unit with display for radio and navigation, GPS aerial, Digital radio aerial

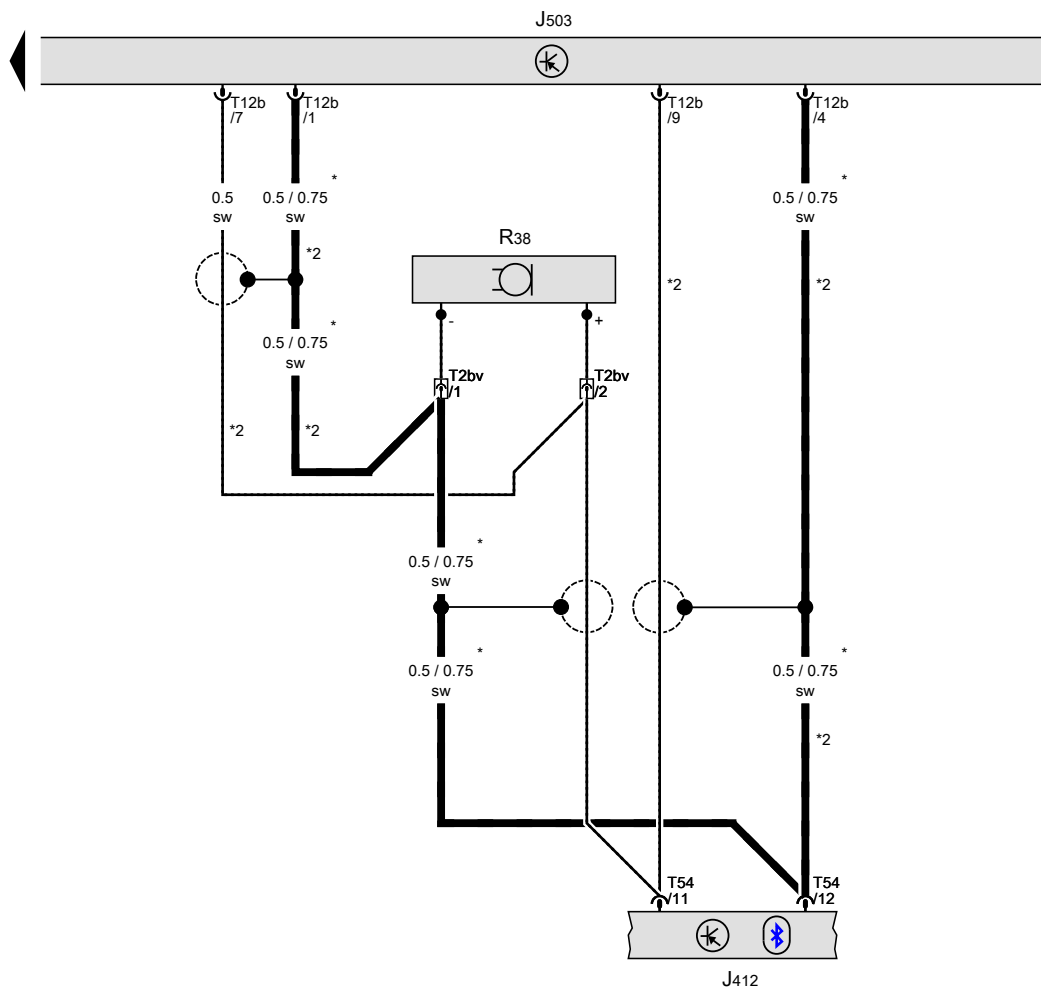
- J503 Control unit with display for radio and navigation
- R50 GPS aerial, in front passenger side exterior mirror housing
- R183 Digital radio aerial, in front passenger side exterior mirror housing
- T2ca 2-pin connector, in front passenger door, blue
- T2cb 2-pin connector, in front passenger door, black
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar
- * Only left-hand drive models
- *2 Only right-hand drive models



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

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

- J412 Mobile telephone operating electronics control unit, under seat on front right
 J503 Control unit with display for radio and navigation
 R38 Telephone microphone
 T2bv 2-pin connector, near front interior light, black
 T12b 12-pin connector, green
 T54 54-pin connector
 * From May 2013
 *2 Only models with radio navigation system and voice control



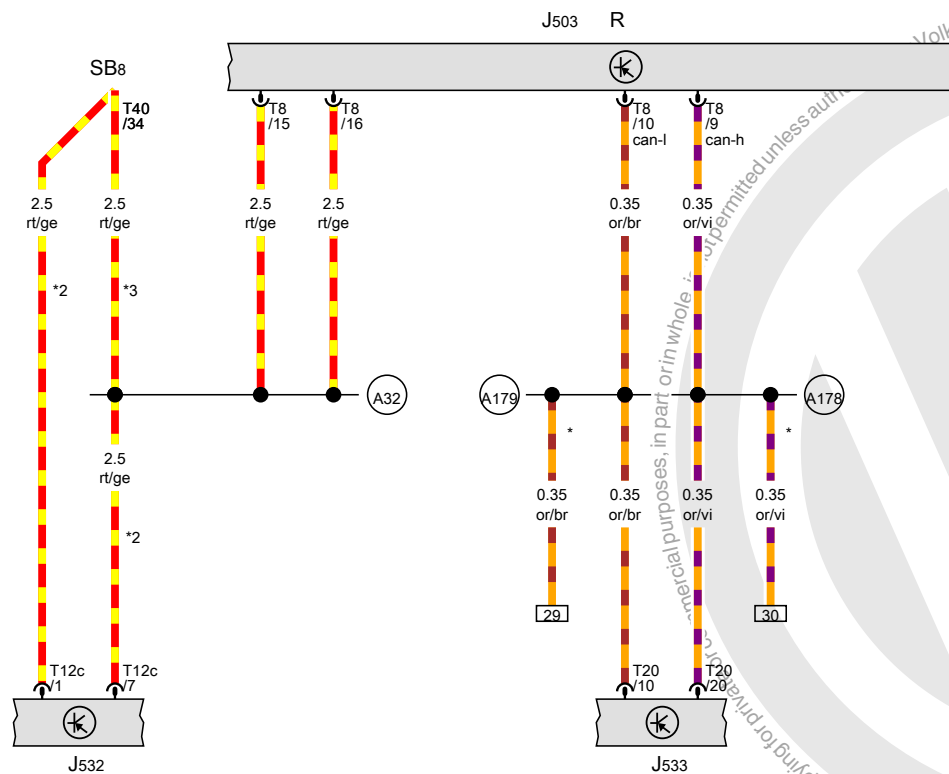
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Multimedia system

From August 2010



Control unit with display for radio and navigation, Data bus diagnostic interface, Radio



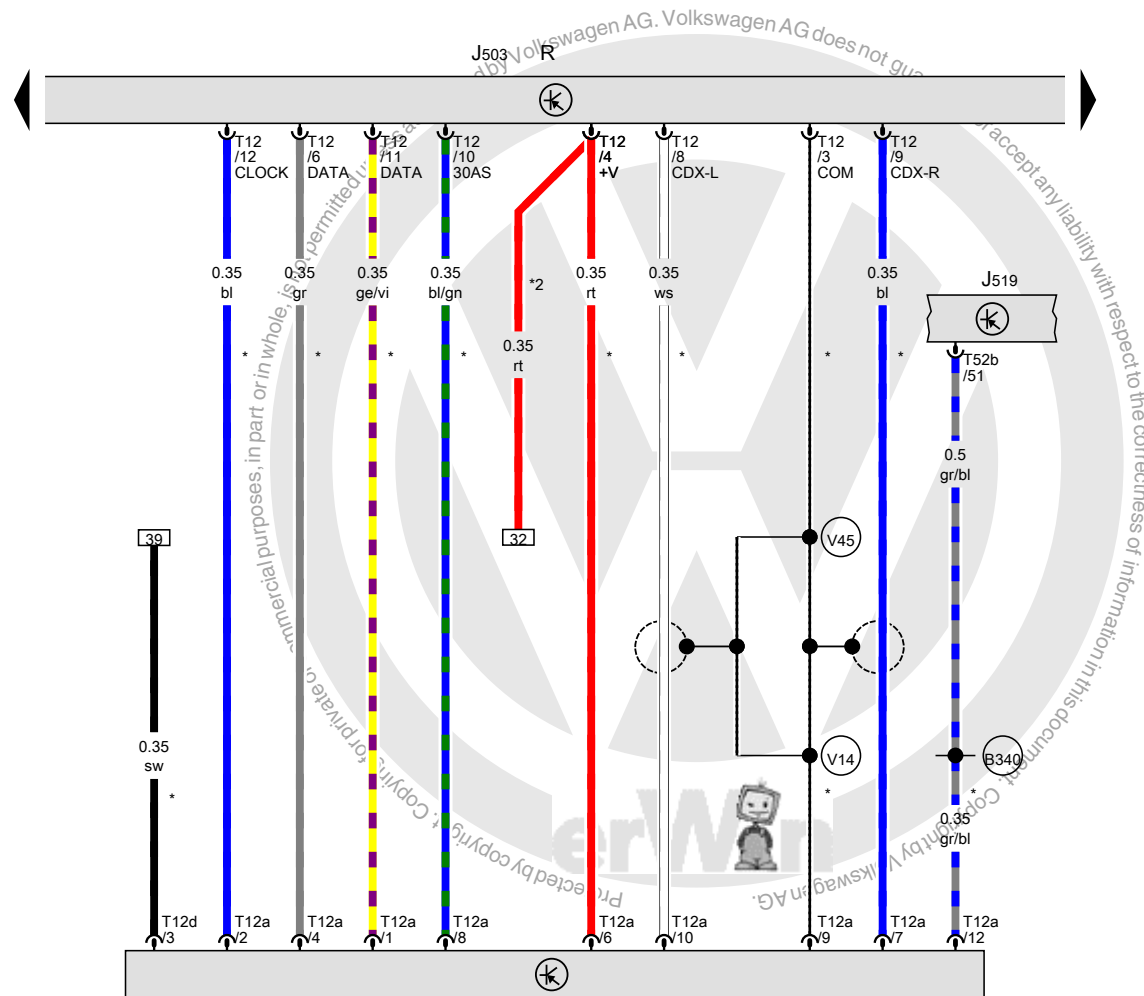
- J503 Control unit with display for radio and navigation
- J532 Voltage stabiliser
- J533 Data bus diagnostic interface
- R Radio
- SB8 Fuse 8 on fuse holder B
- T8 8-pin connector
- T12c 12-pin connector, black
- T20 20-pin connector
- T40 40-pin connector

- A32 Positive connection (30), in dash panel wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * Only models with connection for external multi-media devices with electrical interface
- *2 Only models with start/stop system
- *3 Only models with no start/stop system

- 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

1 2 3 4 5 6 7 8 9 10 11 12 13 14

17C0-0200208131



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

- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- R Radio
- R41 CD changer
- T12 12-pin connector, blue
- T12a 12-pin connector
- T12d 12-pin connector
- T52b 52-pin connector

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

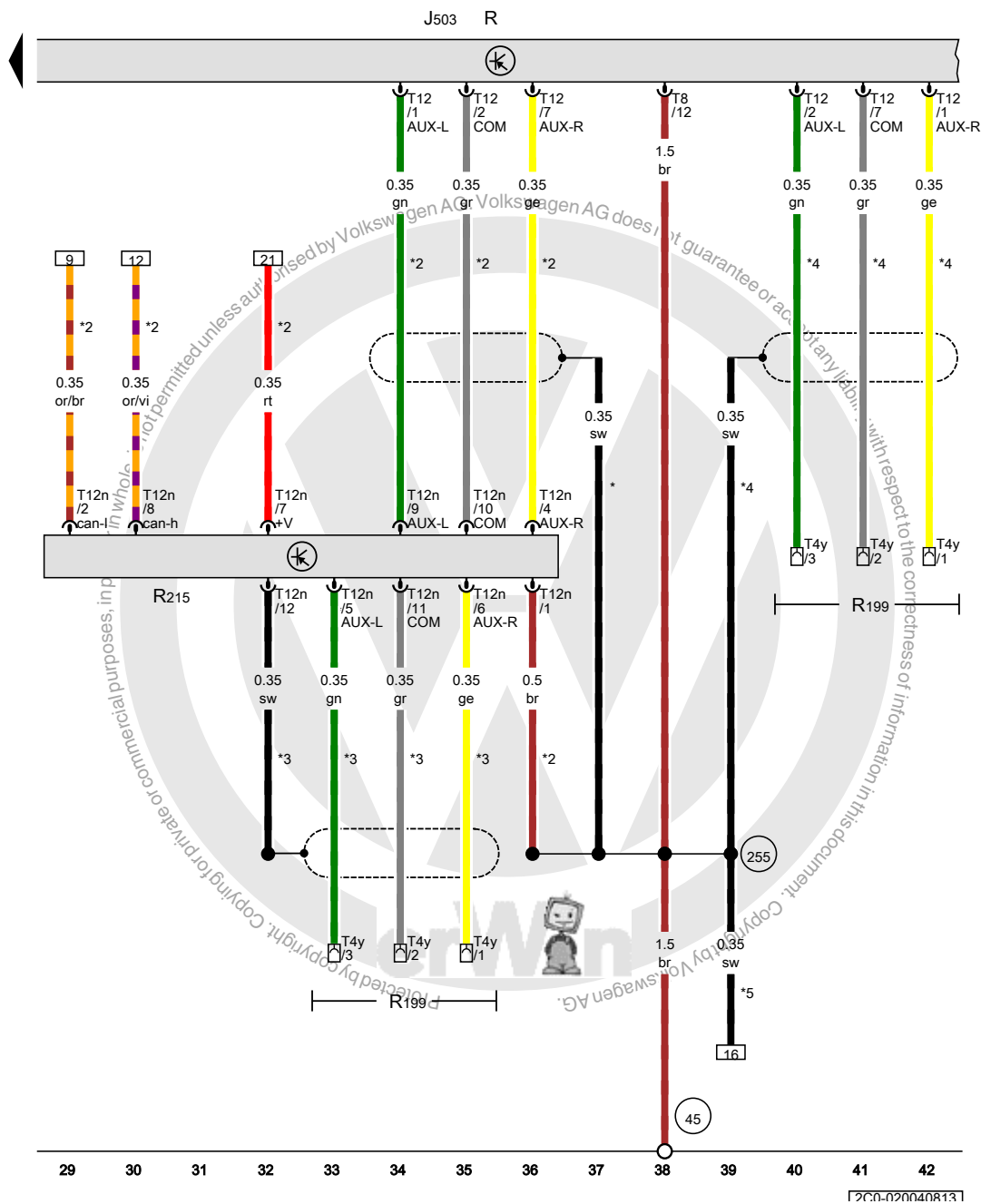
V14 Connection (screening), in CD changer wiring harness

V45 Connection 2 (screening), in CD changer wiring harness

* Only models with CD changer

*2 Only models with connection for external multi-media devices with electrical interface

- 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



Control unit with display for radio and navigation, Radio, Connection for external audio sources, Interface for external multimedia unit

- J503 Control unit with display for radio and navigation
- R Radio
- R199 Connection for external audio sources
- R215 Interface for external multimedia unit
- T4y 4-pin connector, in glove compartment
- T8 8-pin connector
- T12 12-pin connector, blue
- T12n 12-pin connector

45 Earth point, centre behind dash panel

255 Earth connection 1, in radio wiring harness

- * Only models with multimedia socket for external audio source and with no CD changer/ CD player
- *2 Only models with connection for external multi-media devices with electrical interface
- *3 Only models with multimedia socket for external audio source
- *4 Only models with connection for external audio sources with no electrical interface
- *5 Only models with CD changer

Mobile telephone systems

From August 2010

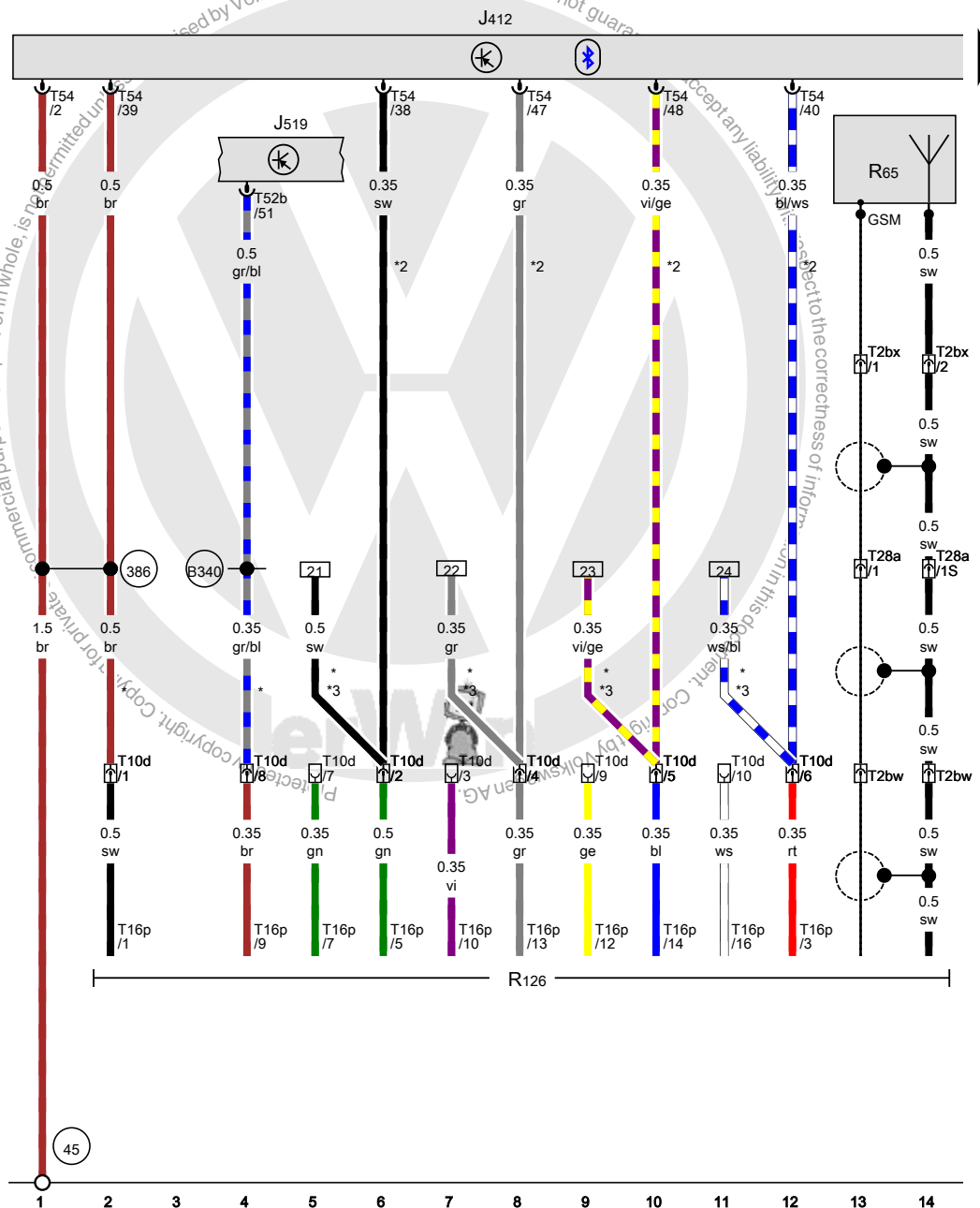


Mobile telephone operating electronics control unit,
Telephone aerial, Telephone bracket

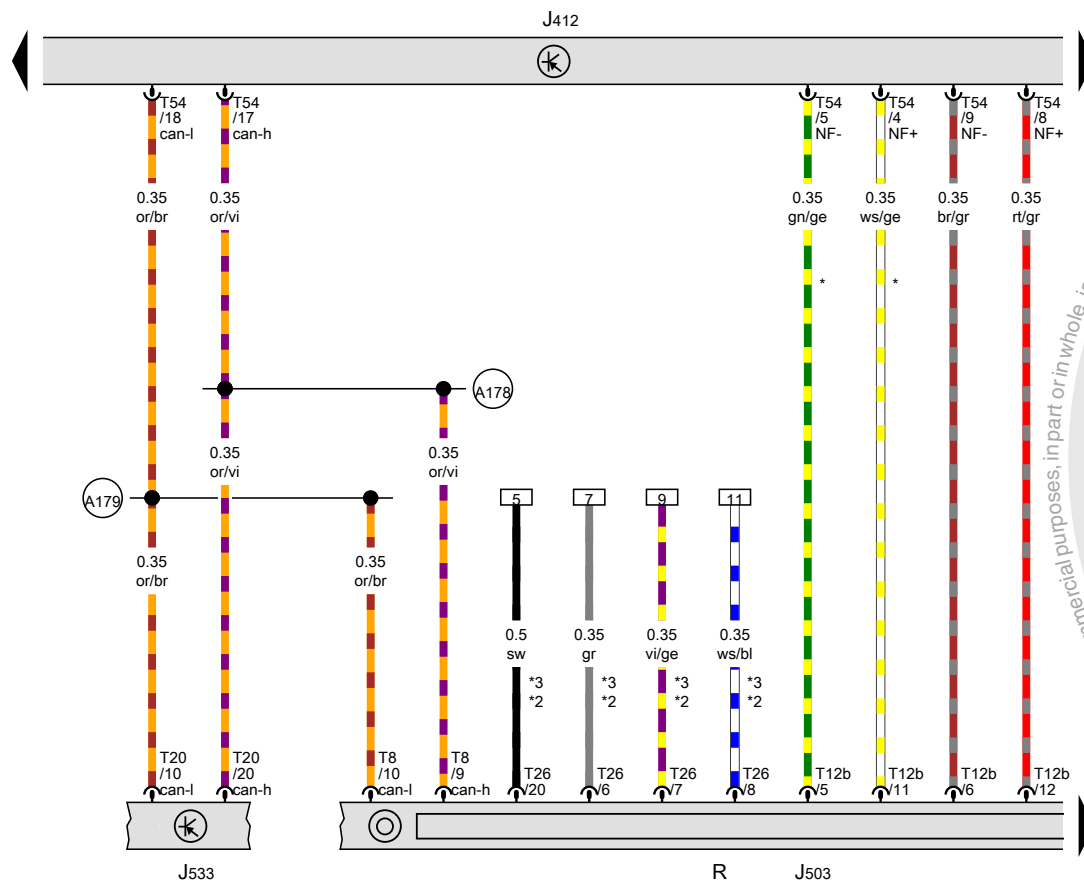
- J412 Mobile telephone operating electronics control unit, under seat on front right
J519 Onboard supply control unit
R65 Telephone aerial, in driver side exterior mirror housing
R126 Telephone bracket
T2bw 2-pin connector, behind glove compartment
T2bx 2-pin connector, in driver side exterior mirror housing, in driver door, purple
T10d 10-pin connector, behind glove compartment, black
T16p 16-pin connector
T28a 28-pin connector, in left A-pillar coupling station, black
T52b 52-pin connector, white
T54 54-pin connector

- 45 Earth point, centre behind dash panel
386 Earth connection 21, in main wiring harness
B340 Connection 1 (58d), in main wiring harness
* Only models with charger unit for telephone
*2 Only models with charger unit for telephone and mobile telephone operating electronics control unit
*3 Only models with radio navigation system

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



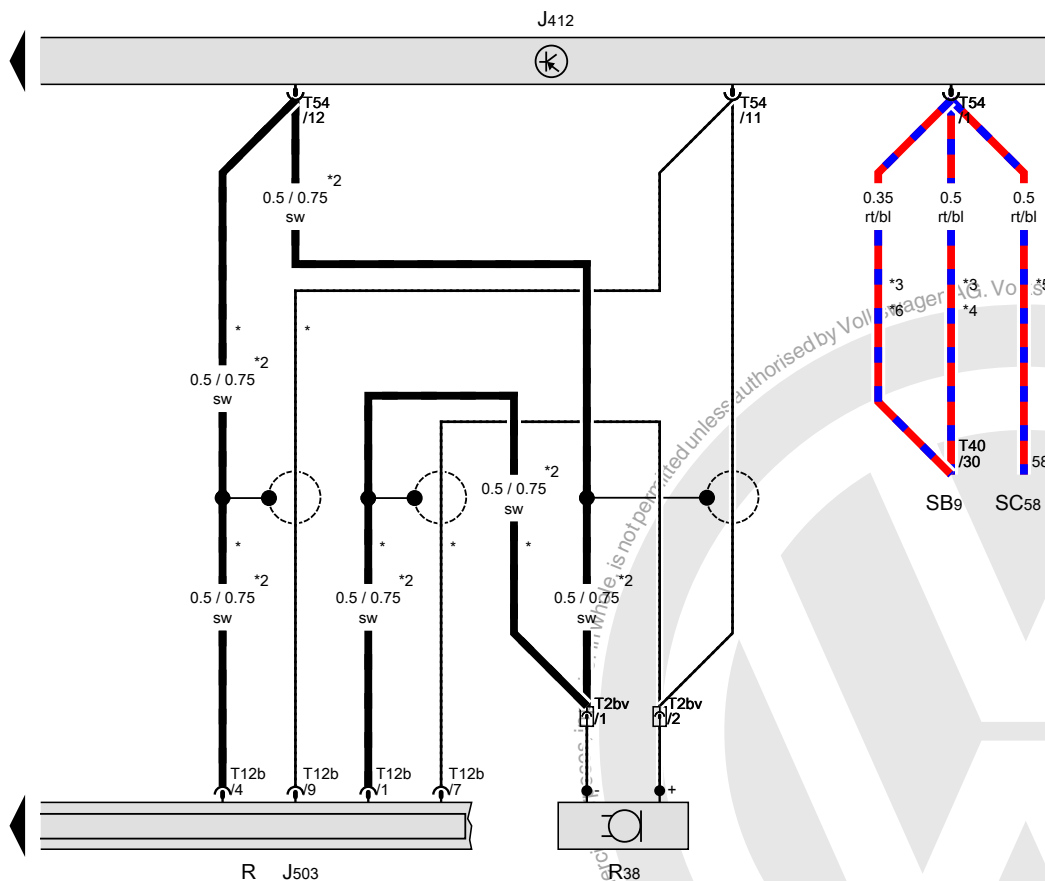
Mobile telephone operating electronics control unit, Control unit with display for radio and navigation, Data bus diagnostic interface, Radio



- J412 Mobile telephone operating electronics control unit, under seat on front right
- J503 Control unit with display for radio and navigation
- J533 Data bus diagnostic interface
- R Radio
- T8 8-pin connector, black
- T12b 12-pin connector, green
- T20 20-pin connector, red
- T26 26-pin connector, black
- T54 54-pin connector
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- * Only models with radio
- *2 Only models with radio navigation system
- *3 Only models with charger unit for telephone

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

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



- J412 Mobile telephone operating electronics control unit, under seat on front right
- J503 Control unit with display for radio and navigation
- R Radio
- R38 Telephone microphone
- SB9 Fuse 9 on fuse holder B
- SC58 Fuse 58 on fuse holder C
- T2bv 2-pin connector, near front interior light, black
- T12b 12-pin connector, green
- T40 40-pin connector
- T54 54-pin connector
- * Only models with radio navigation system and voice control
- *2 From May 2013
- *3 Only models with no start/stop system
- *4 Only right-hand drive models
- *5 Only models with start/stop system
- *6 Only left-hand drive models

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

Auxiliary heater

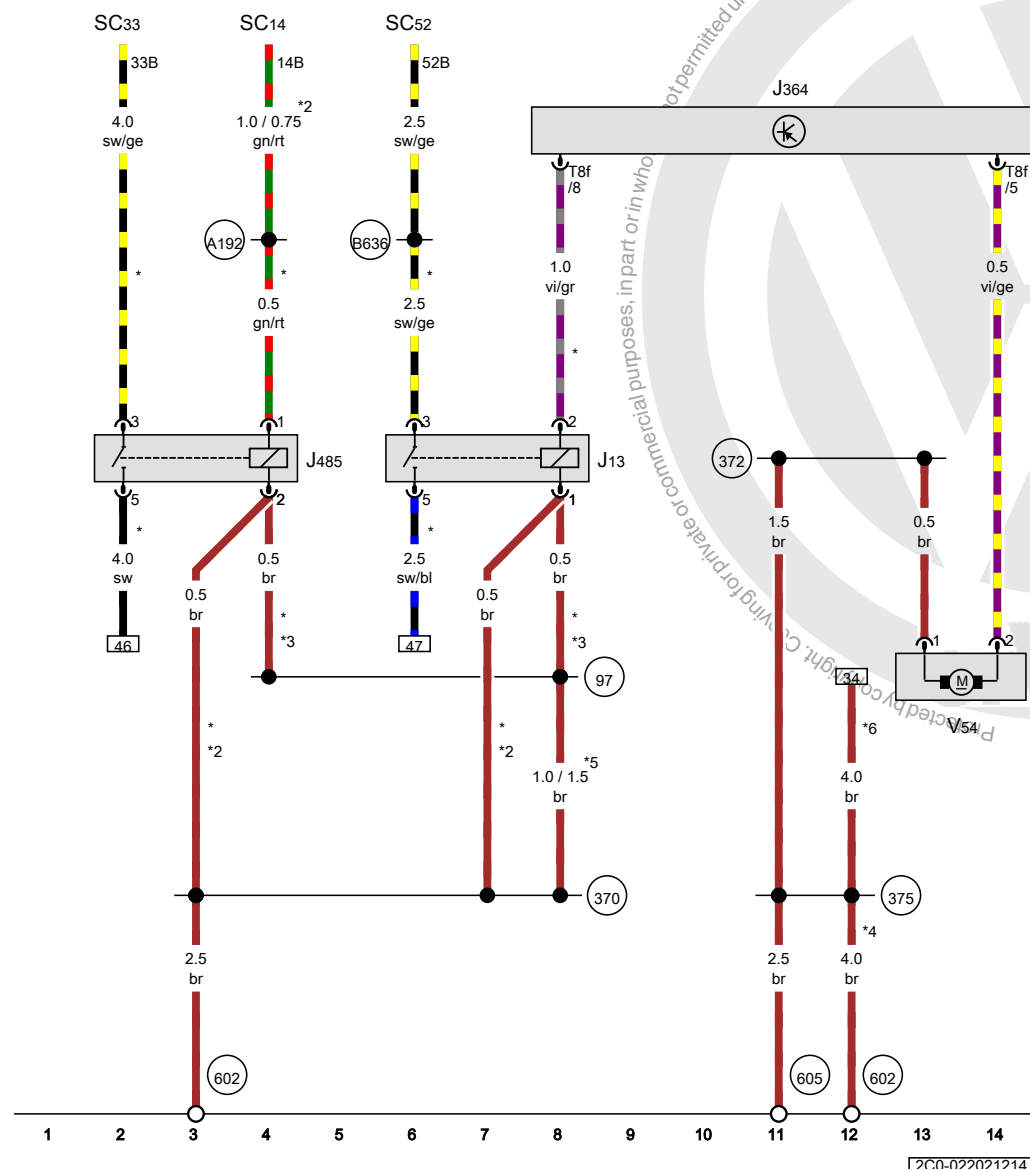
From August 2010



Fresh air blower relay, Auxiliary heater control unit, Auxiliary heater operation relay, Metering pump

- J13 Fresh air blower relay
- J364 Auxiliary heater control unit
- J485 Auxiliary heater operation relay
- SC14 Fuse 14 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- T8f 8-pin connector
- V54 Metering pump

- 97 Earth connection 1, in air conditioning system wiring harness
- 370 Earth connection 5, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B636 Connection (supplementary heater), in main wiring harness
- * Only models with no Climatronic
- *2 From May 2012
- *3 Up to April 2012
- *4 Only left-hand drive models
- *5 From May 2011
- *6 Only right-hand drive models

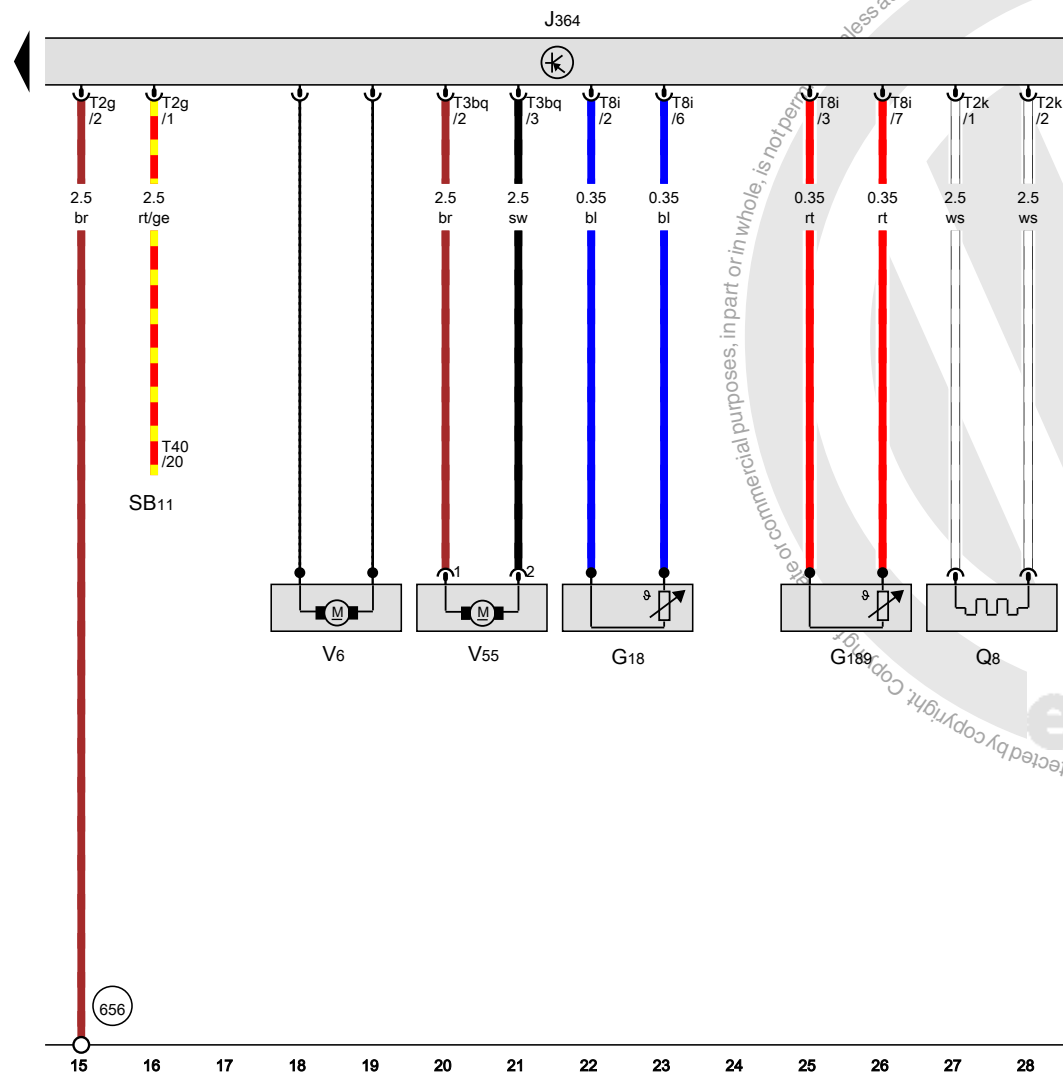


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Temperature sensor, Overheating sensor, Auxiliary heater control unit, Glow plug with flame monitor, Combustion air blower, Circulation pump

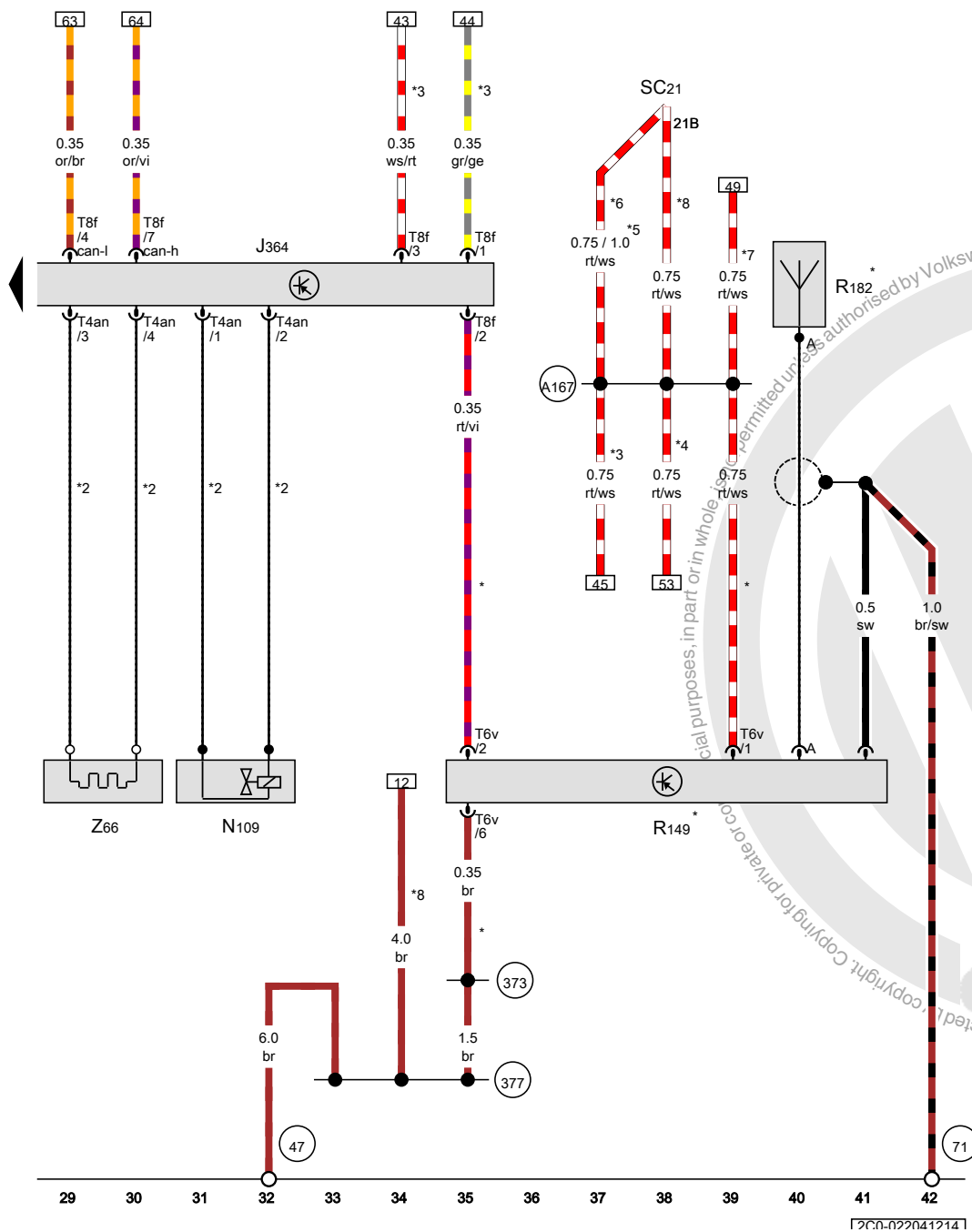
- G18 Temperature sensor
- G189 Overheating sensor
- J364 Auxiliary heater control unit
- Q8 Glow plug with flame monitor
- SB11 Fuse 11 on fuse holder B
- T2g 2-pin connector
- T2k 2-pin connector
- T3bq 3-pin connector, black
- T8i 8-pin connector, black
- T40 40-pin connector
- V6 Combustion air blower
- V55 Circulation pump

656 Earth point, on right headlight



- 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

17C0-0220312141



Auxiliary heater control unit, Fuel shut-off valve, Remote control receiver for auxiliary coolant heater, Auxiliary heater aerial, Fuel pre-heating heater element

- J364 Auxiliary heater control unit
- N109 Fuel shut-off valve
- R149 Remote control receiver for auxiliary coolant heater
- R182 Auxiliary heater aerial, near front interior light
- SC21 Fuse 21 on fuse holder C
- T4an 4-pin connector
- T6v 6-pin connector, blue
- T8f 8-pin connector
- Z66 Fuel pre-heating heater element
- 47 Earth point, in front right footwell
- 71 Earth point, front roof rail
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- * Only models with remote control
- *2 Only models with diesel engine
- *3 Only models with no air conditioning system
- *4 Only models with Climatronic
- *5 From November 2011
- *6 Only left-hand drive models
- *7 Only models with Climatic
- *8 Only right-hand drive models

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

Instant heating button

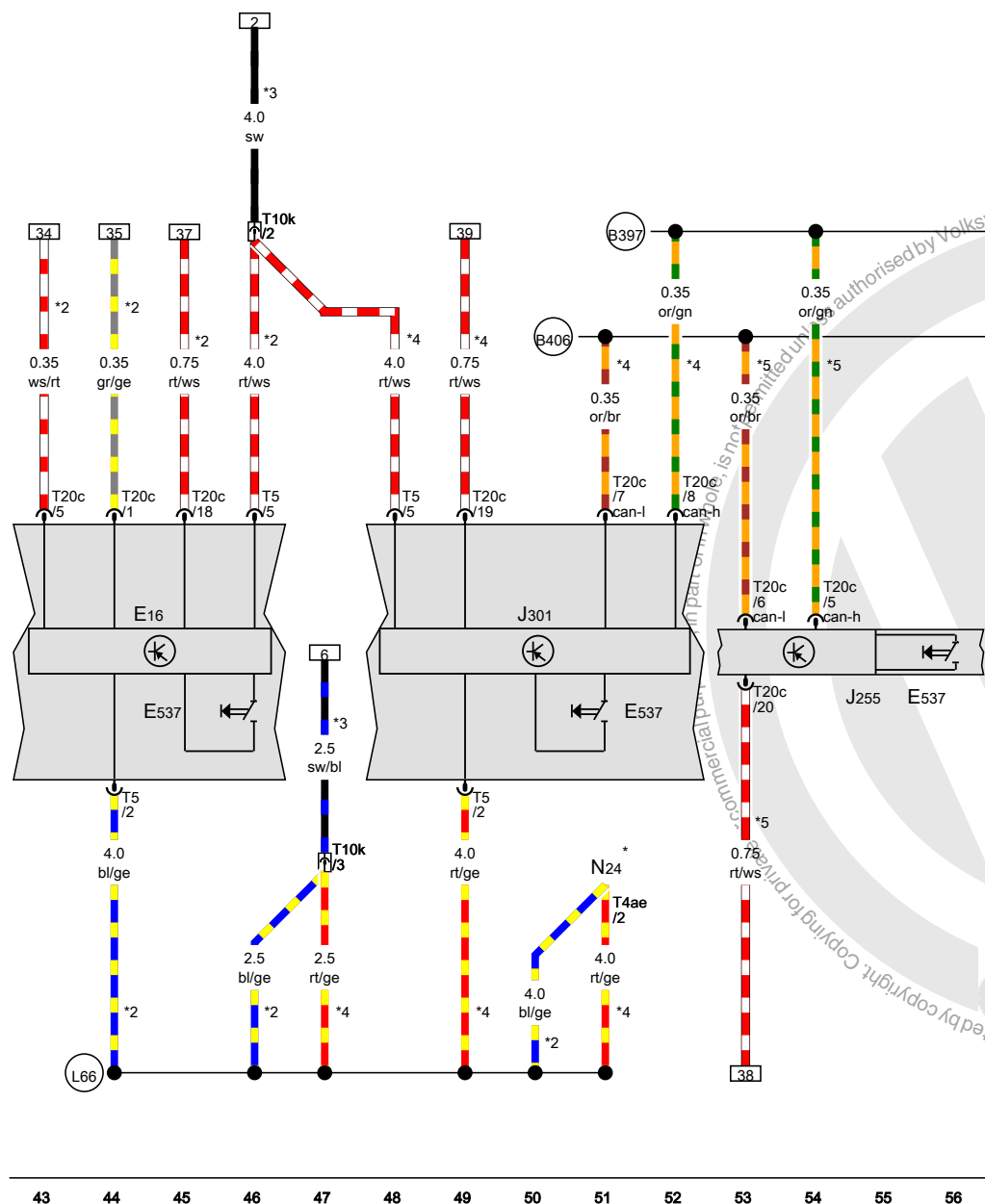
- E16 Heater/heat output switch
- E537 Instant heating button
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- N24 Fresh air blower series resistor with overheating fuse
- T4ae 4-pin connector, black
- T5 5-pin connector
- T10k 10-pin connector
- T20c 20-pin connector

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

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

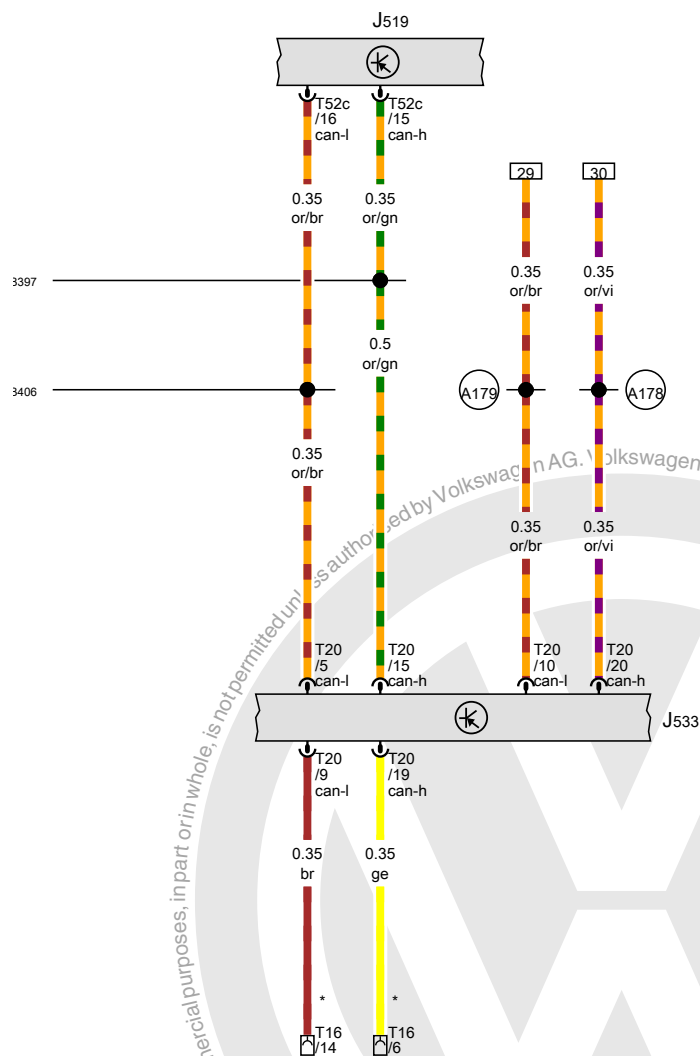
L66 Connection 1 in heater blower wiring harness

- * see applicable current flow diagram
- *2 Only models with no air conditioning system
- *3 Only models with no Climatronic
- *4 Only models with Climatic
- *5 Only models with Climatronic



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

Onboard supply control unit, Data bus diagnostic interface



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector, red
- T52c 52-pin connector, brown
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

- 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

Parking aid (PDC) , (2JB)

From August 2010



Rear parking aid warning buzzer, Parking aid control unit,
Data bus diagnostic interface

- H15 Rear parking aid warning buzzer
- J446 Parking aid control unit, behind rear right side trim
- J533 Data bus diagnostic interface
- SC11 Fuse 11 on fuse holder C
- T2l 2-pin connector, on left under dash panel, black
- T12h 12-pin connector, black
- T16b 16-pin connector, brown
- T20 20-pin connector, red

382 Earth connection 17, in main wiring harness

383 Earth connection 18, in main wiring harness

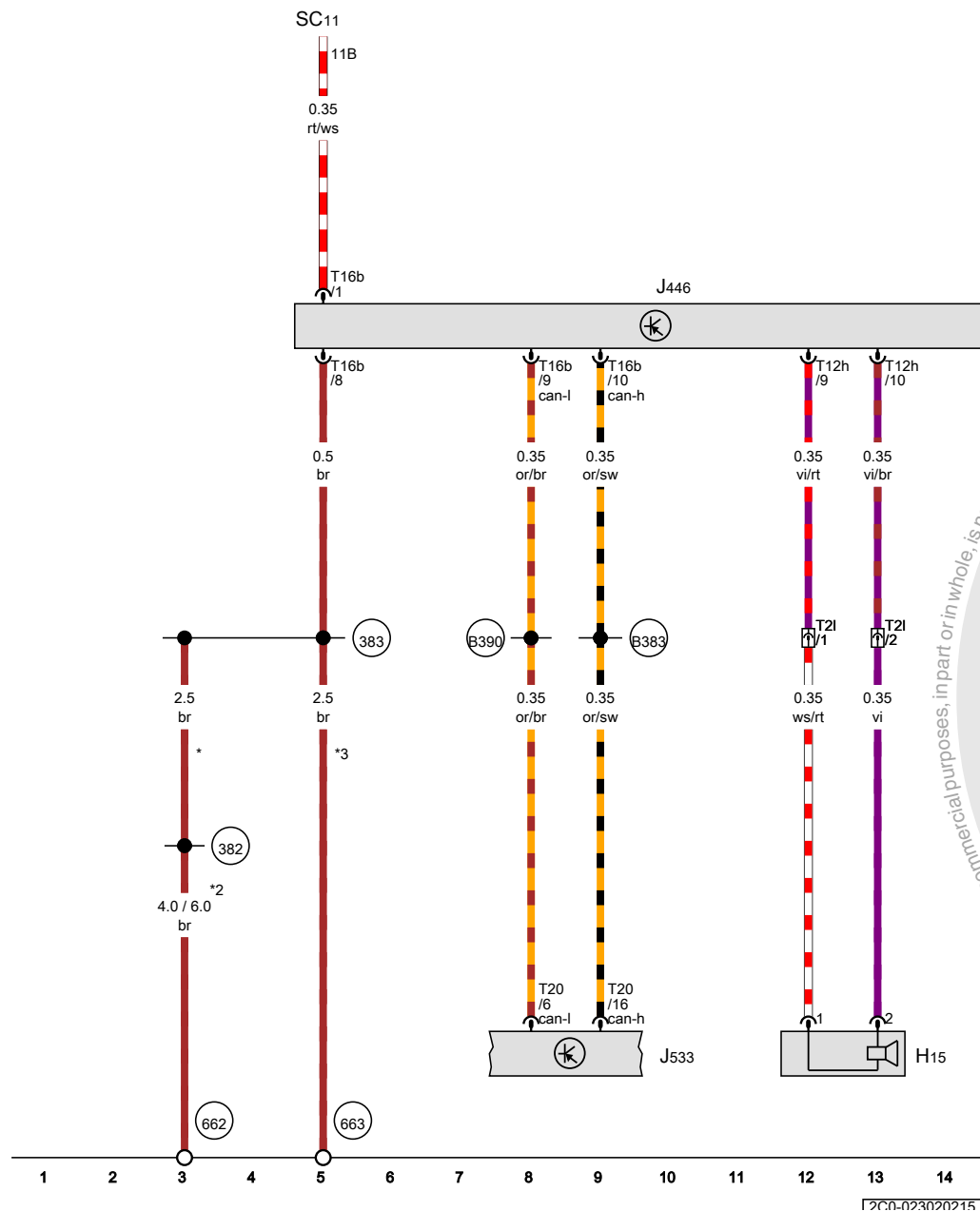
662 Earth point, rear left side panel

663 Earth point, rear right side panel

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 basic equipment
- *2 According to equipment
- *3 Optional equipment



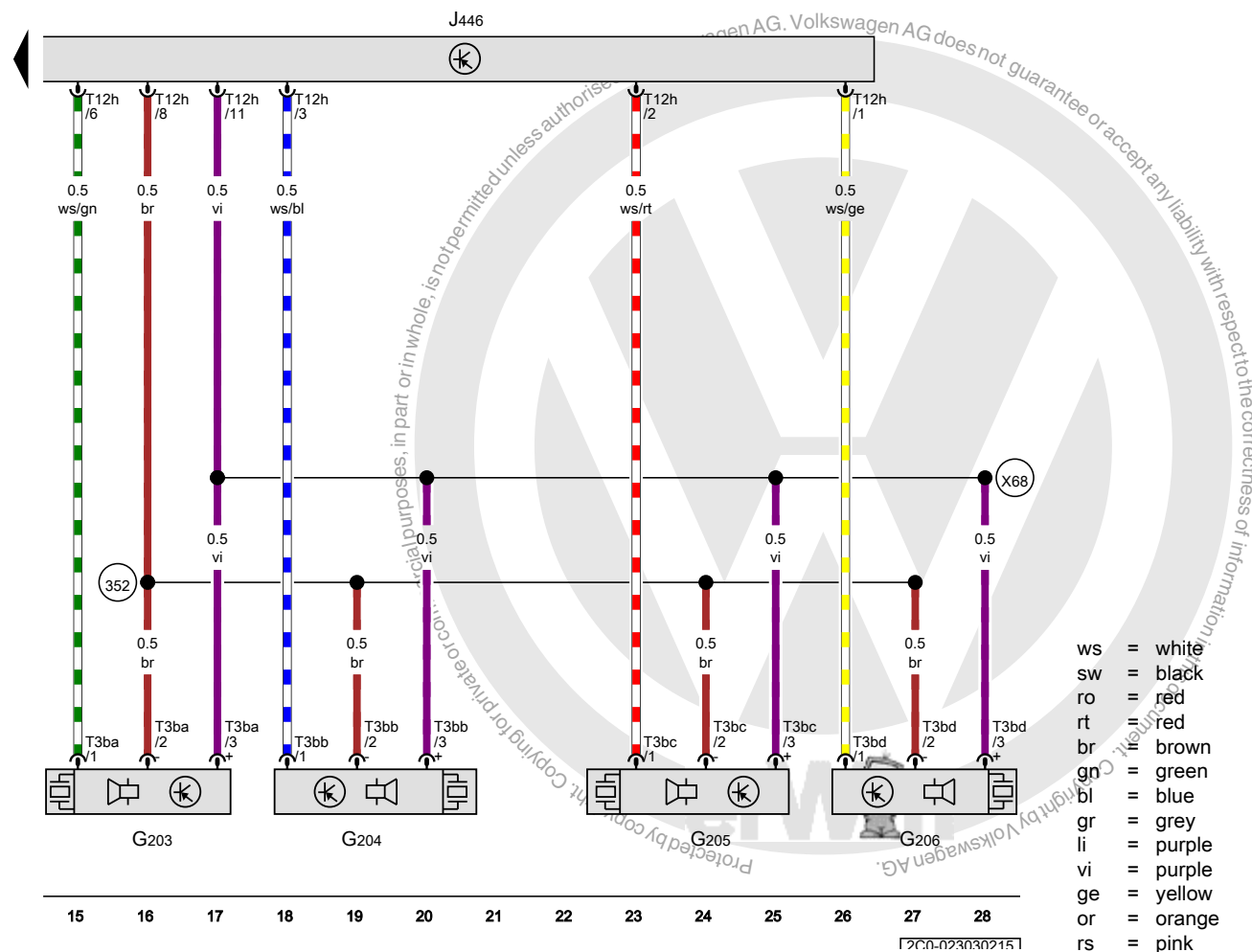
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit

- 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, behind rear right side trim
- T3ba 3-pin connector, black
- T3bb 3-pin connector, black
- T3bc 3-pin connector, black
- T3bd 3-pin connector, black
- T12h 12-pin connector, black

352 Earth connection (parking aid), in rear bumper wiring harness

X68 Positive connection (parking aid), in rear bumper wiring harness

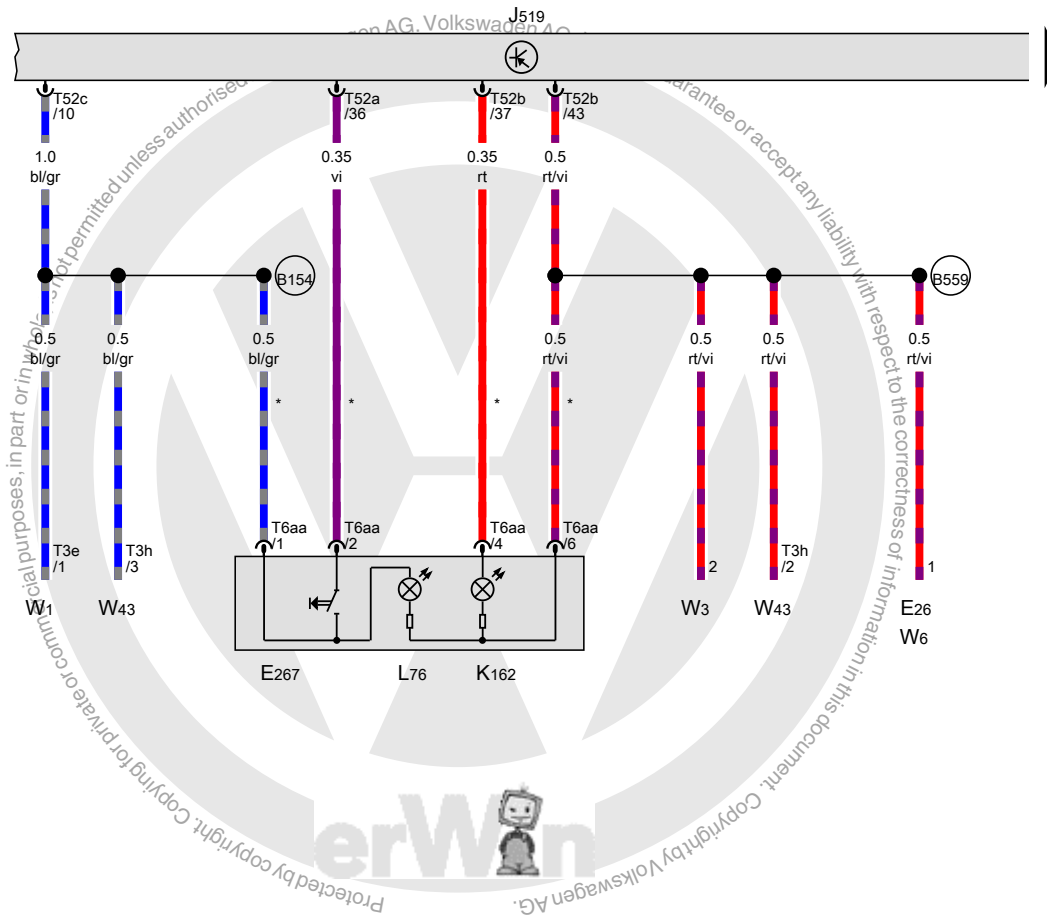


Anti-theft alarm system, interior monitor

From August 2010

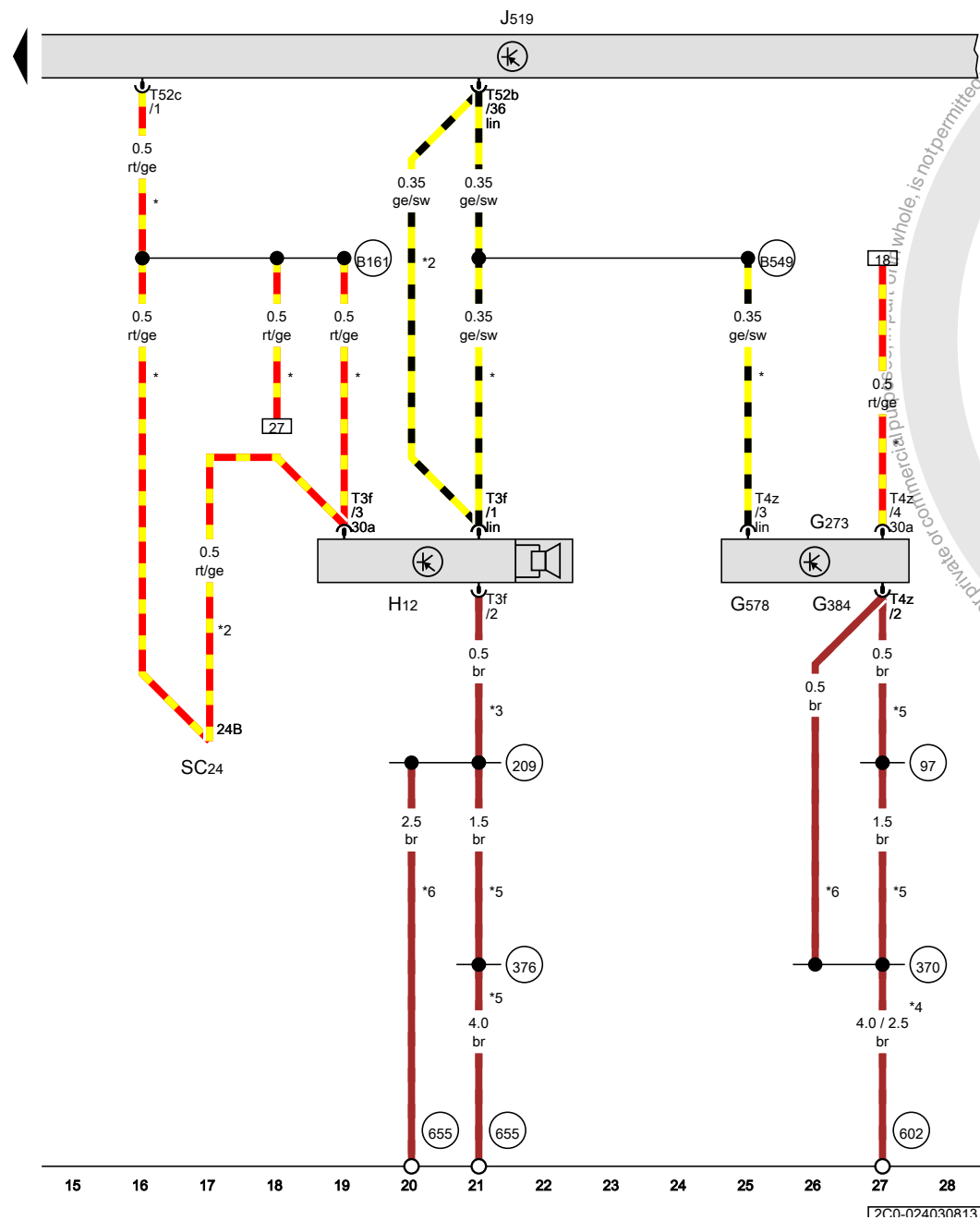


Interior monitoring deactivation switch, Onboard supply control unit



- E26 Glove compartment light switch
- E267 Interior monitoring deactivation switch
- J519 Onboard supply control unit
- K162 Interior monitoring off warning lamp
- L76 Button illumination bulb
- T3e 3-pin connector, black
- T3h 3-pin connector, black
- T6aa 6-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- W1 Front interior light
- W3 Luggage compartment light
- W6 Glove compartment light
- W43 Rear interior light
- B154 Connection 1 (DCt), in interior wiring harness
- B559 Positive connection 1 (30g) in main wiring harness
- * Only models with interior monitor

- 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



Interior monitoring sensor, Vehicle inclination sender, Anti-theft alarm sensor, Alarm horn, Onboard supply control unit

- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- G578 Anti-theft alarm sensor
- H12 Alarm horn
- J519 Onboard supply control unit
- SC24 Fuse 24 on fuse holder C
- T3f 3-pin connector, black
- T4z 4-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 97 Earth connection 1, in air conditioning system wiring harness
- 209 Earth connection 6, in engine compartment wiring harness
- 370 Earth connection 5, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 602 Earth point, in front left footwell
- 655 Earth point, on left headlight
- B161 Connection (ATA), in interior wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness

- * Only models with interior monitor
- *2 Only models with no interior monitor
- *3 For models with anti-theft alarm system
- *4 From November 2011
- *5 Up to April 2012
- *6 From May 2012

- 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

Auxiliary air heater (PTC)

From August 2010



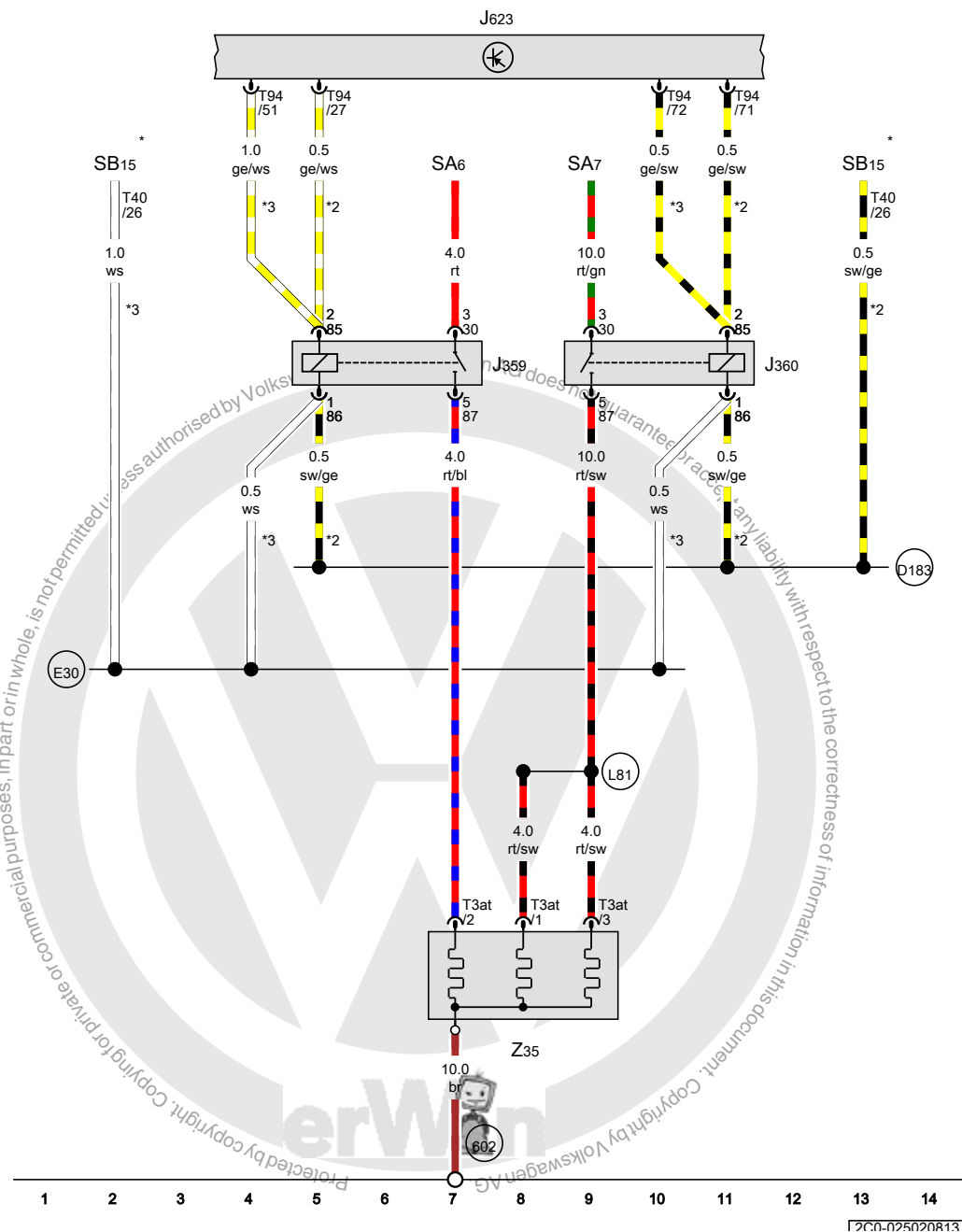
Low heat output relay, High heat output relay, Engine control unit, Auxiliary air heater element

- J359 Low heat output relay
- J360 High heat output relay
- J623 Engine control unit, central in plenum chamber, central in plenum chamber
- SA6 Fuse 6 in fuse holder A
- SA7 Fuse 7 in fuse holder A
- SB15 Fuse 15 on fuse holder B
- T3at 3-pin connector, black
- T40 40-pin connector
- T94 94-pin connector
- Z35 Auxiliary air heater element

- 602 Earth point, in front left footwell
- D183 Connection 4 (87a) in engine compartment wiring harness
- E30 Connection (87a), in engine wiring harness
- L81 Connection in supplementary heater wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 Only models with petrol engine

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

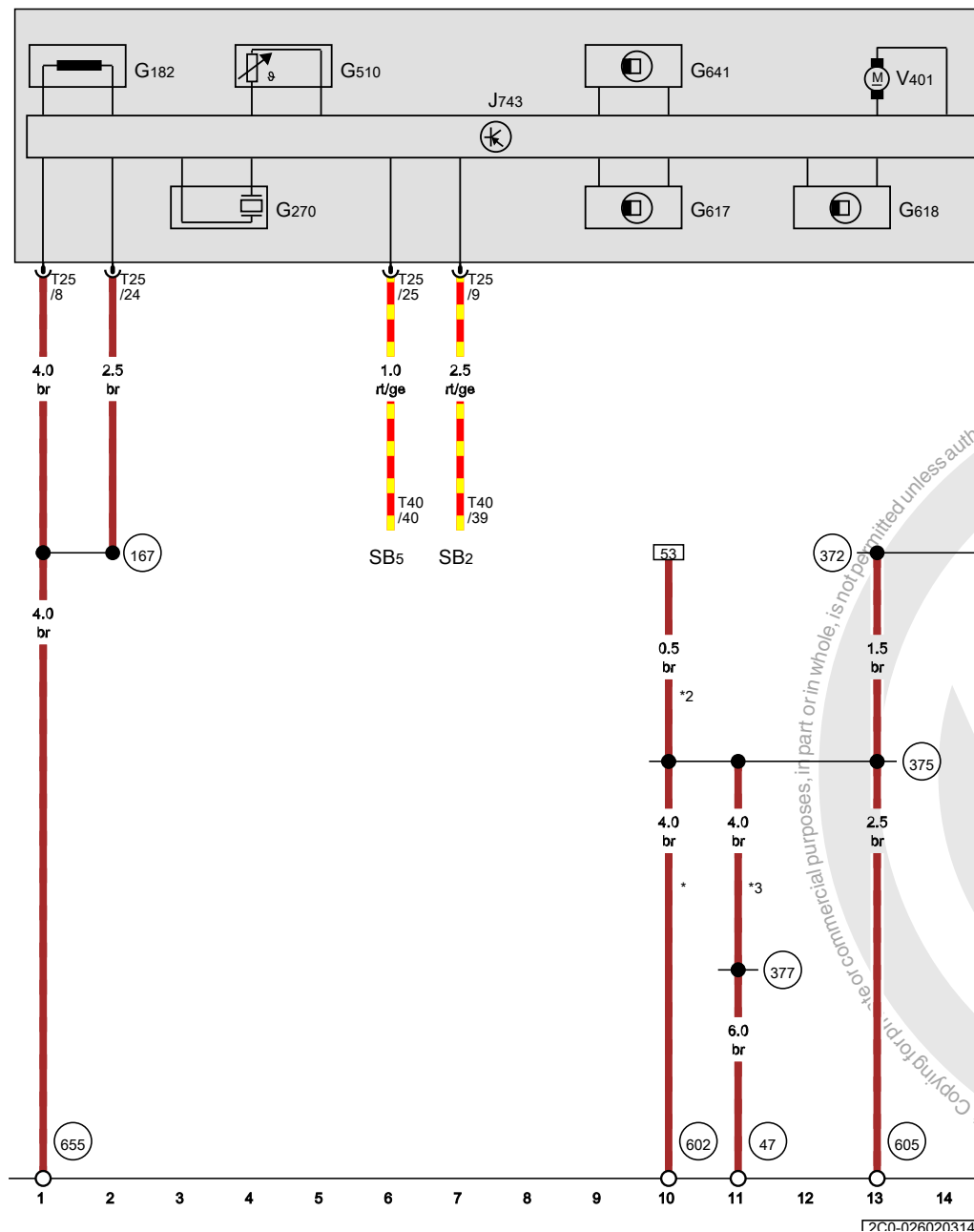


Dual clutch gearbox 0AM

From August 2010



Gearbox input speed sender, Gearbox hydraulic pressure sender, Temperature sender in control unit, Clutch travel sender 1, Clutch travel sender 2, Gearbox input speed sender 3, Mechatronic unit for dual clutch gearbox, Hydraulic pump motor

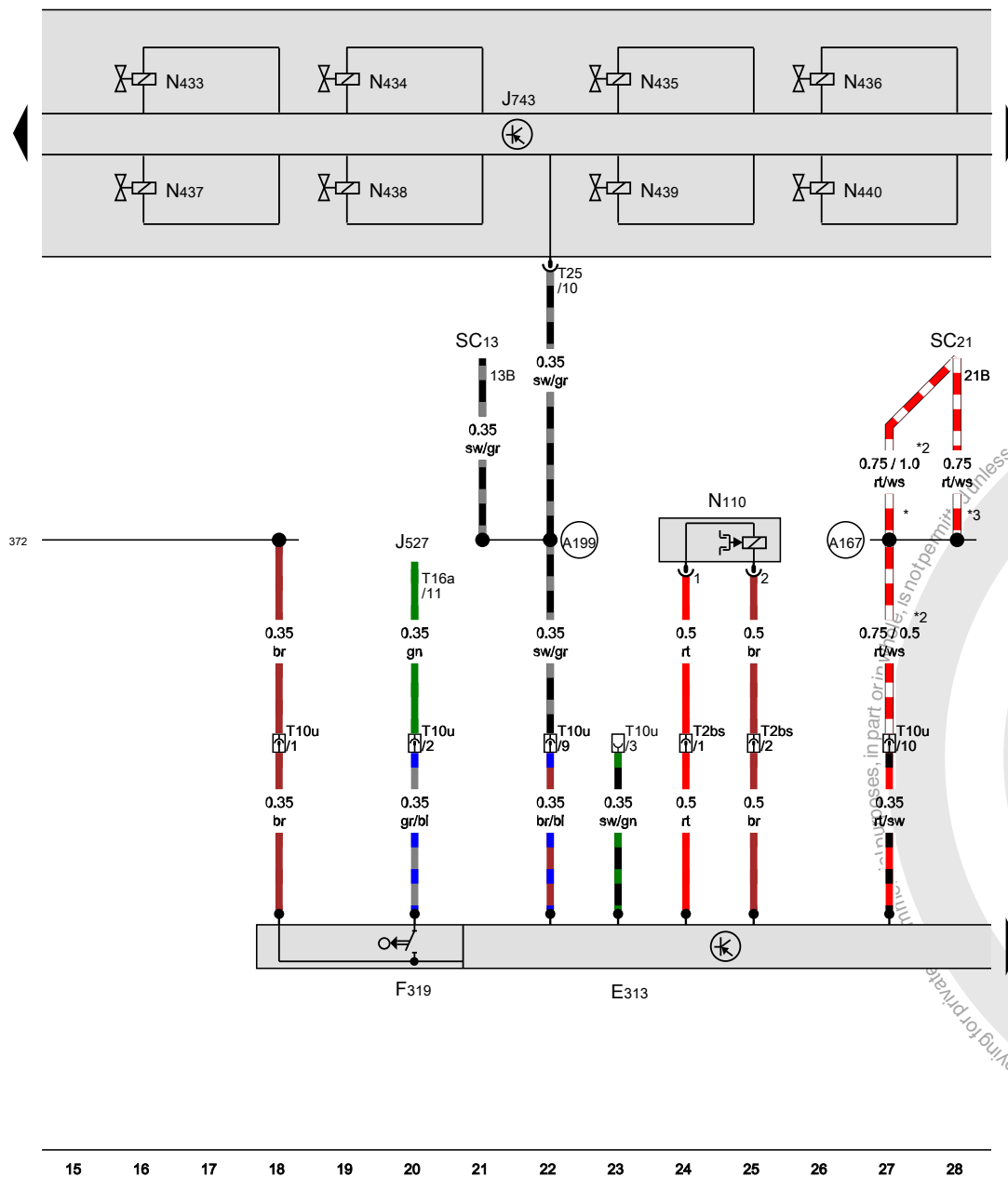


- G182 Gearbox input speed sender
- G270 Gearbox hydraulic pressure sender
- G510 Temperature sender in control unit
- G617 Clutch travel sender 1
- G618 Clutch travel sender 2
- G641 Gearbox input speed sender 3
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- SB2 Fuse 2 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- T25 25-pin connector, black
- T40 40-pin connector
- V401 Hydraulic pump motor

- 47 Earth point, in front right footwell
- 167 Earth connection 4, in engine compartment wiring harness
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight

- * Only left-hand drive models
 - *2 Only models with start/stop system
 - *3 Only right-hand drive models
- 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

Selector lever locked in position P switch, Mechatronic unit for dual clutch gearbox



- E313 Selector lever
- F319 Selector lever locked in position P switch
- J527 Steering column electronics control unit
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- N110 Selector lever lock solenoid
- N433 Valve 1 in sub-gearbox 1
- N434 Valve 2 in sub-gearbox 1
- N435 Valve 3 in sub-gearbox 1
- N436 Valve 4 in sub-gearbox 1
- N437 Valve 1 in sub-gearbox 2
- N438 Valve 2 in sub-gearbox 2
- N439 Valve 3 in sub-gearbox 2
- N440 Valve 4 in sub-gearbox 2
- SC13 Fuse 13 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- T2bs 2-pin connector, under selector lever
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector
- T25 25-pin connector, black

- 372 Earth connection 7, in main wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- * Only left-hand drive models
- *2 From May 2011
- *3 Only right-hand drive models

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

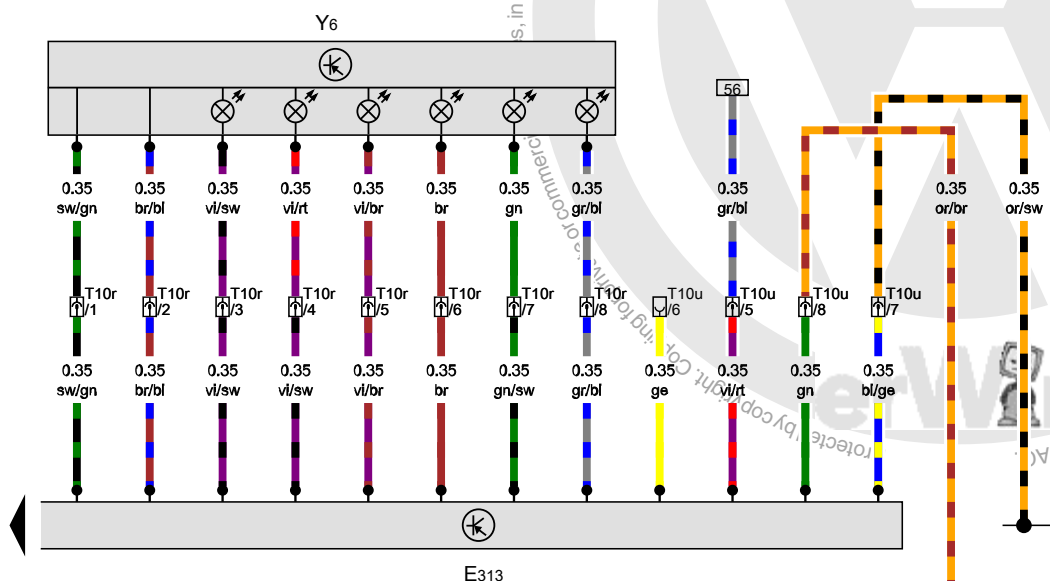
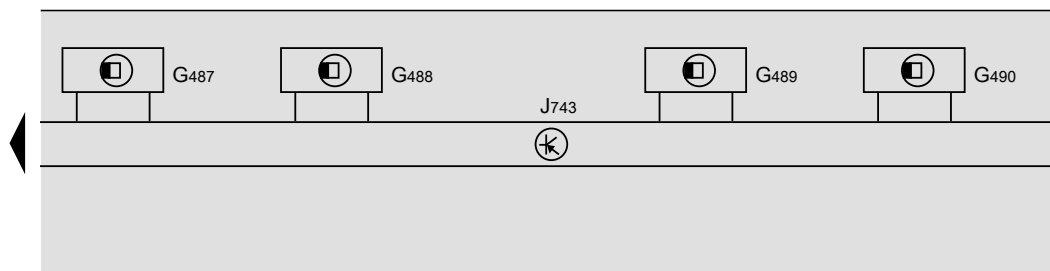
12C0-0260303141

Gear selector movement sensor 1, Gear selector movement sensor 2, Gear selector movement sensor 3, Gear selector movement sensor 4, Mechatronic unit for dual clutch gearbox, Selector lever position display

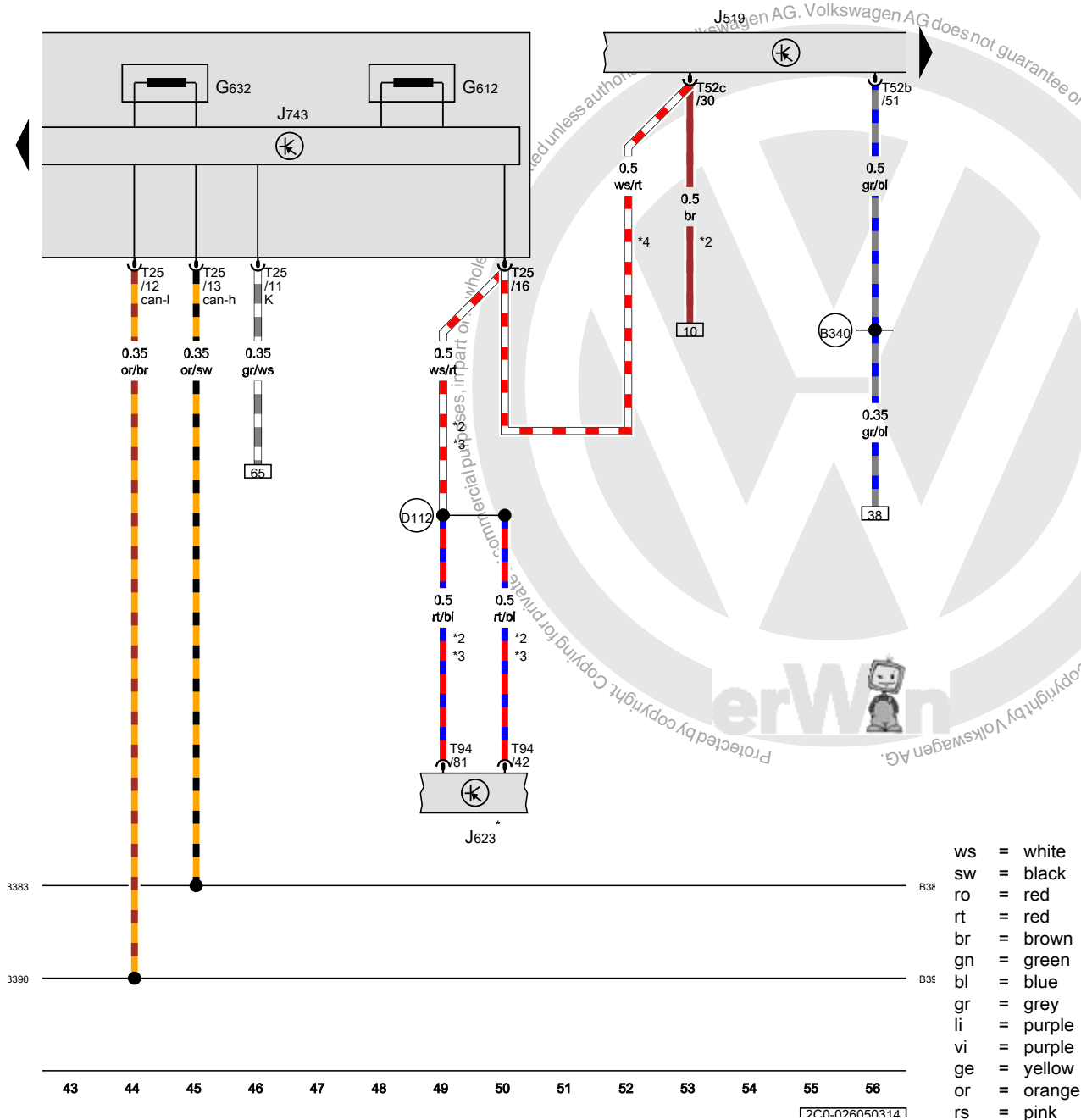
- E313 Selector lever
- G487 Gear selector movement sensor 1
- G488 Gear selector movement sensor 2
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- T10r 10-pin connector, under selector lever
- T10u 10-pin connector, under selector lever
- Y6 Selector lever position display

B383 Connection 1 (powertrain CAN bus, high), in main wiring harness

B390 Connection 1 (powertrain CAN bus, low), in main wiring harness



- 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



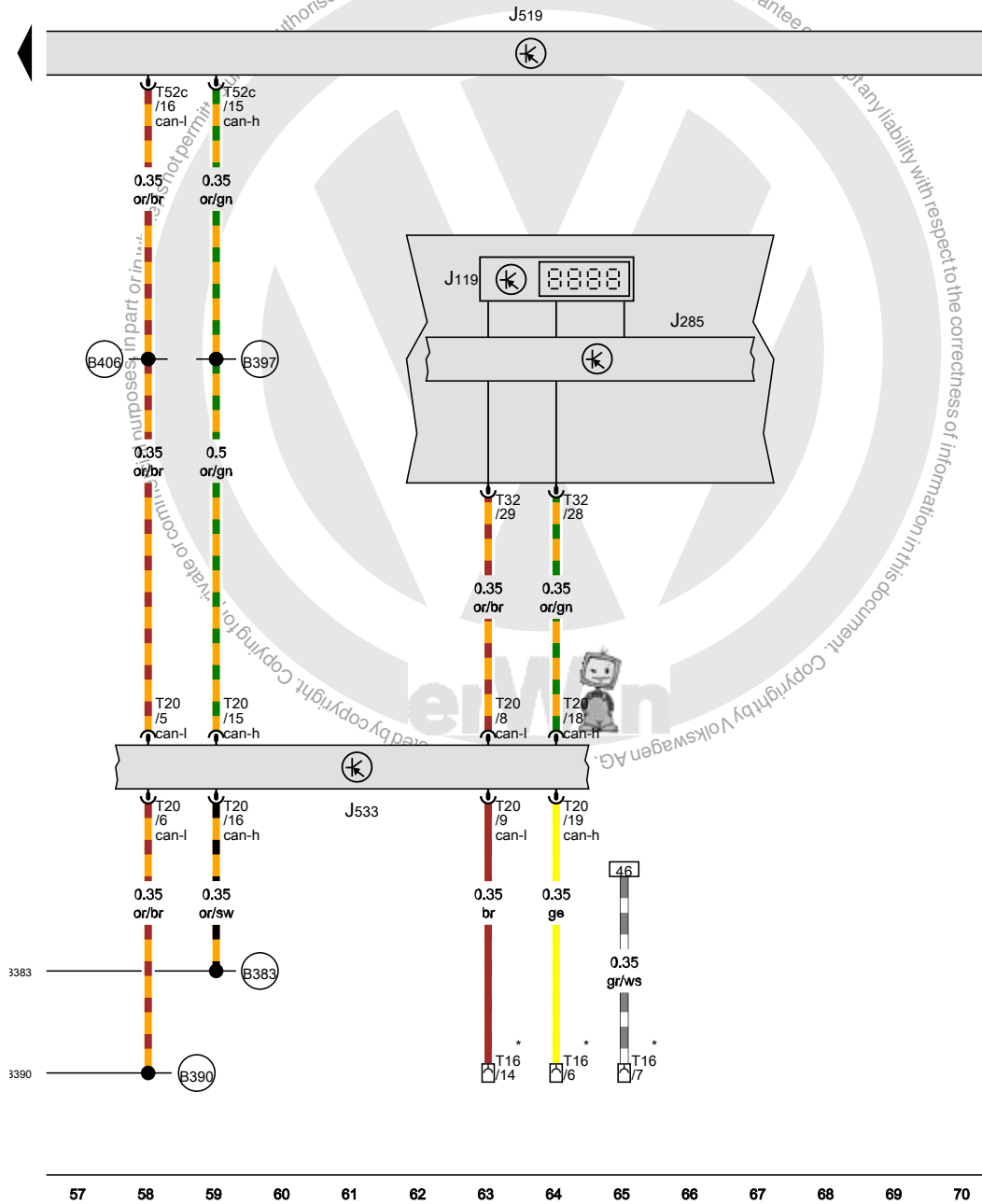
Gearbox input speed sender 2, Gearbox input speed sender 1, Onboard supply control unit, Mechatronic unit for dual clutch gearbox

- G612 Gearbox input speed sender 2
- G632 Gearbox input speed sender 1
- J519 Onboard supply control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- T25 25-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- T94 94-pin connector

- B340 Connection 1 (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
- D112 Connection 10 in engine compartment wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with start/stop system
- *3 Only models with diesel engine
- *4 Only models with no start/stop system

- 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



**Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface**

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

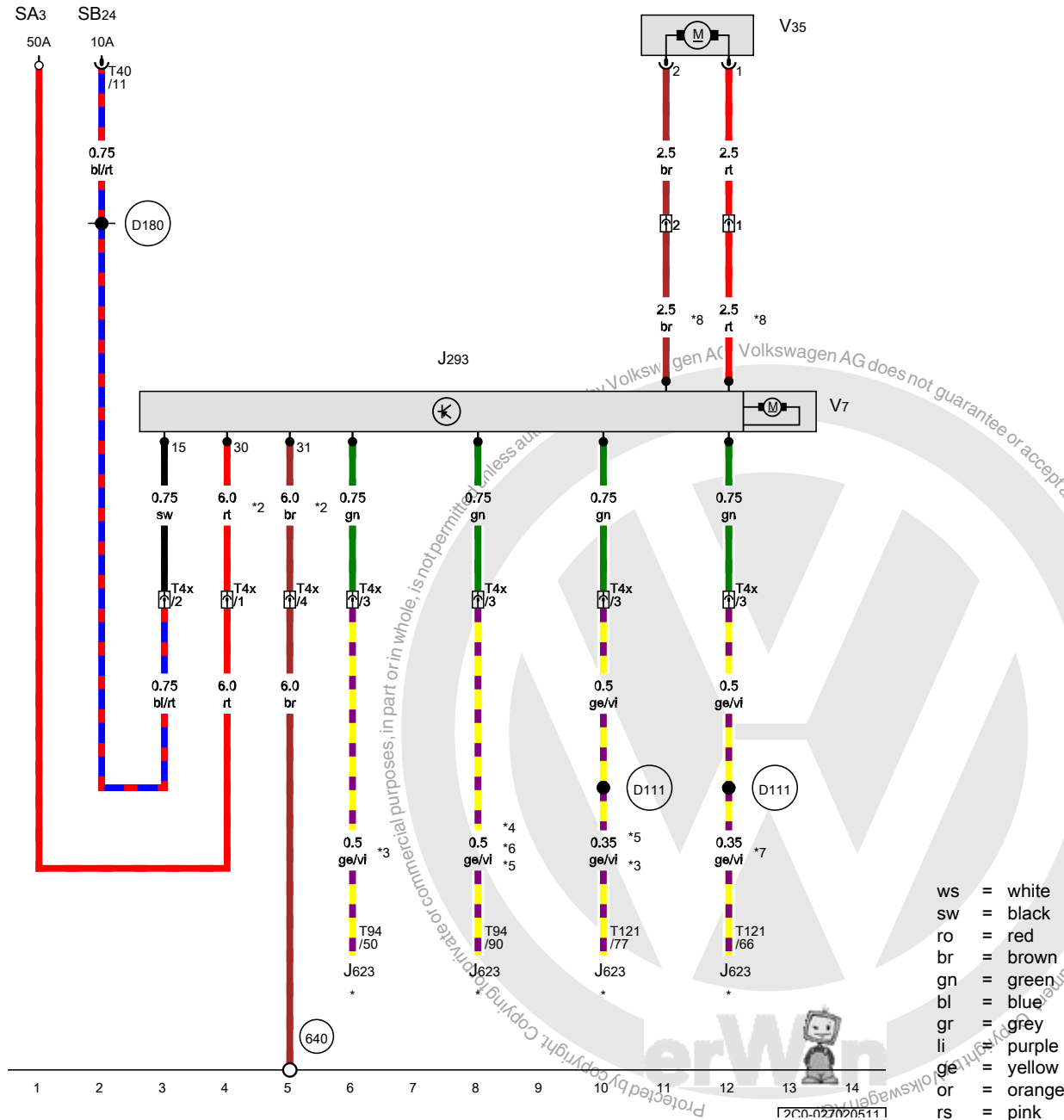
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

Radiator fan

From August 2010



Radiator fan control unit, Engine control unit, Fuse 3 in fuse holder A, Radiator fan on right of radiator



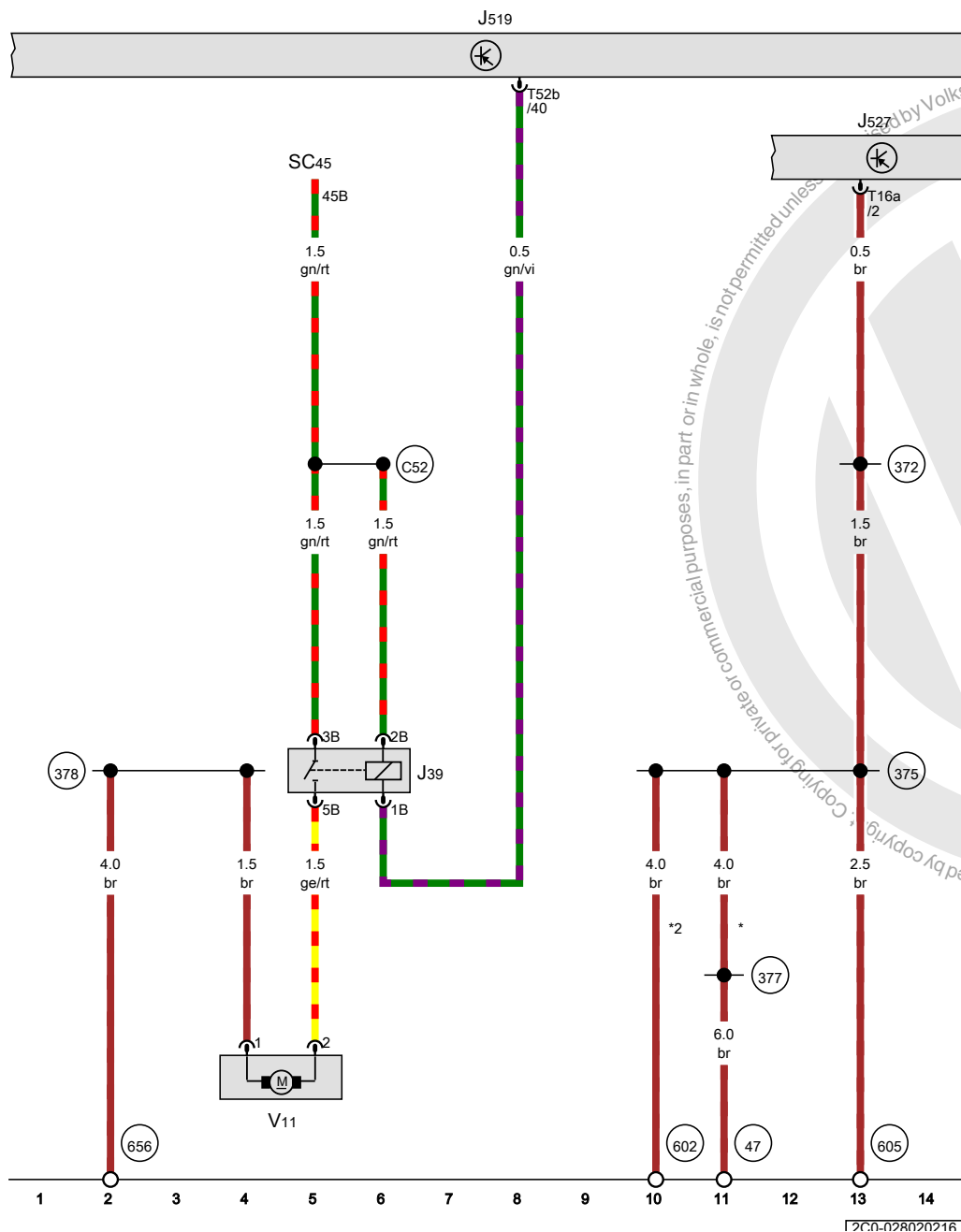
- J293 Radiator fan control unit
- J623 Engine control unit
- SA3 Fuse 3 in fuse holder A
- SB24 Fuse 24 on fuse holder B
- T2hl 2-pin connector
- T4x 4-pin connector, on radiator fan, bottom left
- T40 40-pin connector
- T94 94-pin connector
- T121 121-pin connector
- V7 Radiator fan
- V35 Radiator fan on right of radiator
- 640 Earth point 2, left in engine compartment
- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- * see applicable current flow diagram for engine
- *2 Cross-section 4.0 possible
- *3 Only models with petrol engine
- *4 Only models with diesel engines
- *5 Only models with 1.6l engine
- *6 Only models with 2.0l engine
- *7 Only models with natural gas engine
- *8 Only models with auxiliary fan

Headlight washer system

From August 2010



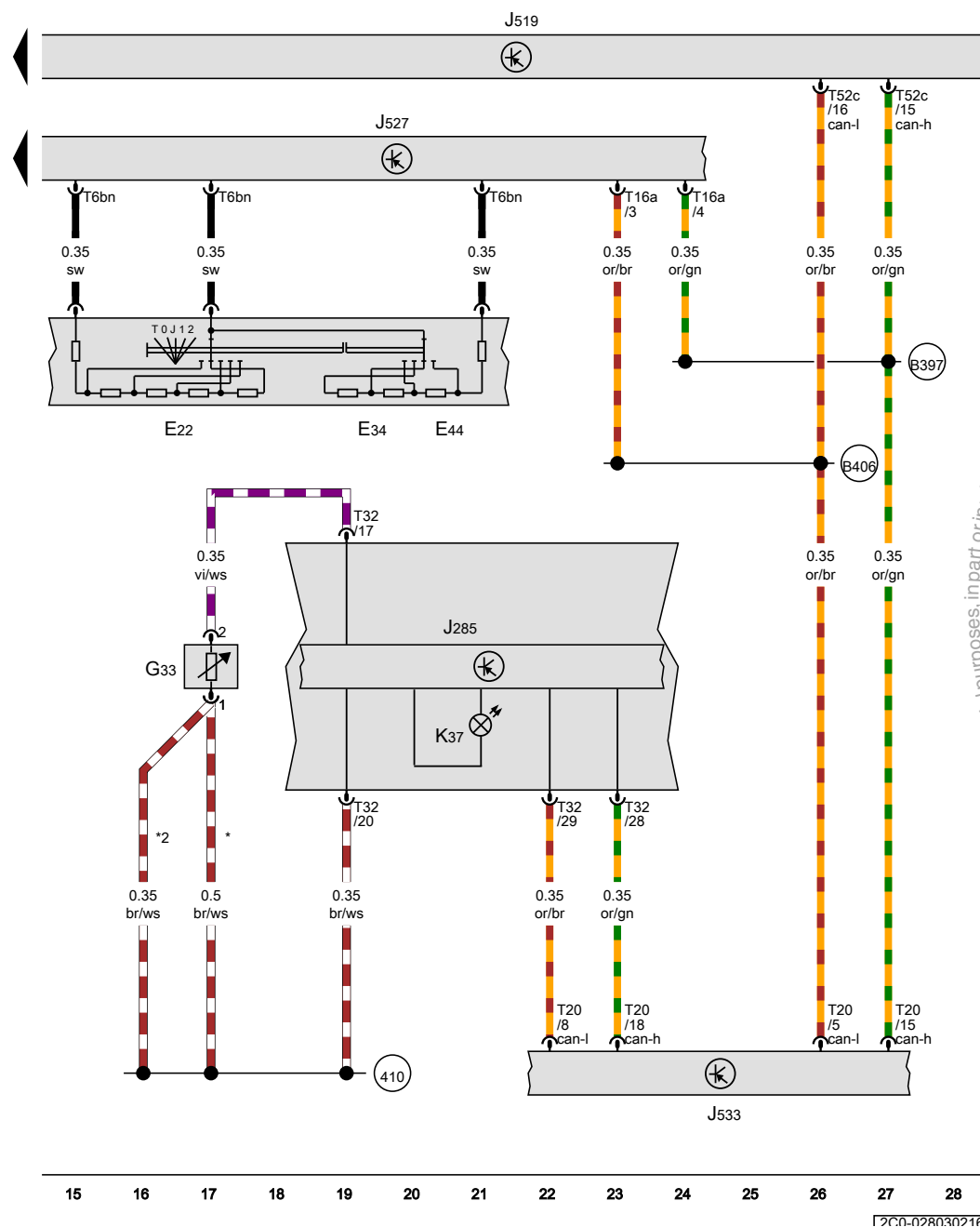
Headlight washer system relay, Onboard supply control unit, Steering column electronics control unit, Headlight washer system pump



- J39 Headlight washer system relay
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- SC45 Fuse 45 on fuse holder C
- T16a 16-pin connector, black
- T52b 52-pin connector, white
- V11 Headlight washer system pump

- 47 Earth point, in front right footwell
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 378 Earth connection 13, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 656 Earth point, on right headlight
- C52 Positive connection (30), in headlight washer wiring harness
- * Only right-hand drive models
- *2 Only left-hand drive models

- 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



Intermittent wiper switch, Rear wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Windscreen washer fluid level sender, Control unit in dash panel insert, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Washer fluid level warning lamp

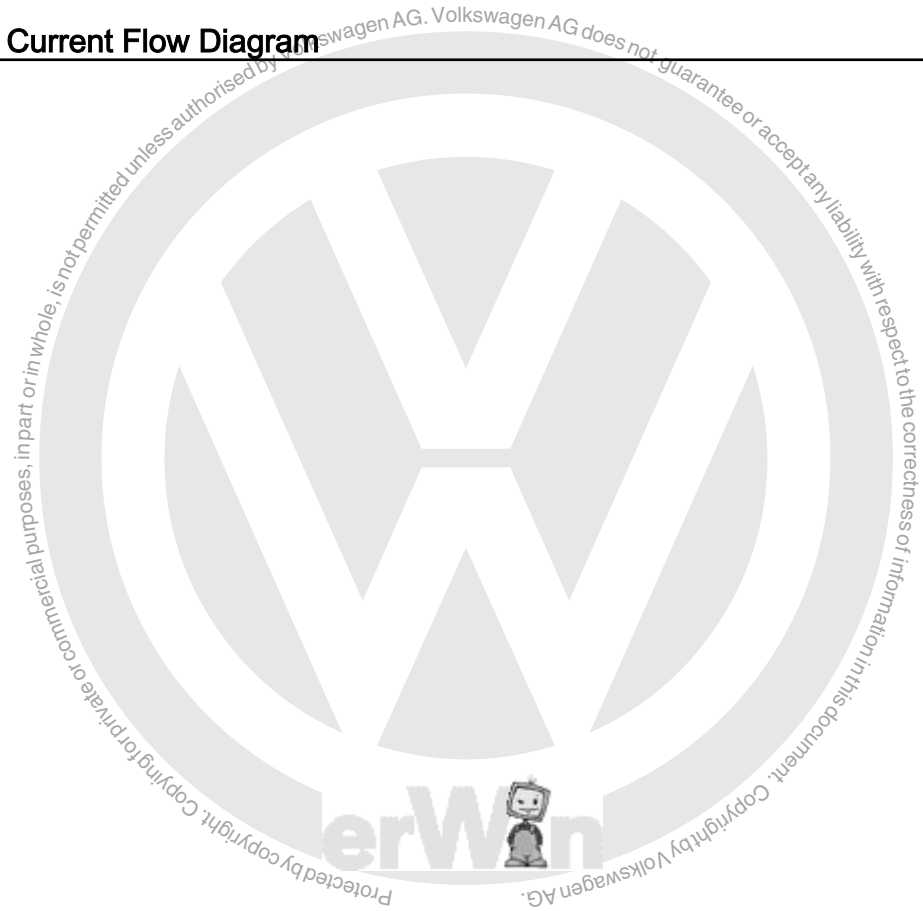
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- G33 Windscreen washer fluid level sender
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- K37 Washer fluid level warning lamp
- T6bn 6-pin connector, white
- T16a 16-pin connector, black
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 410 Earth connection 1 (sender earth) 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 right-hand drive models
- *2 Only left-hand drive models

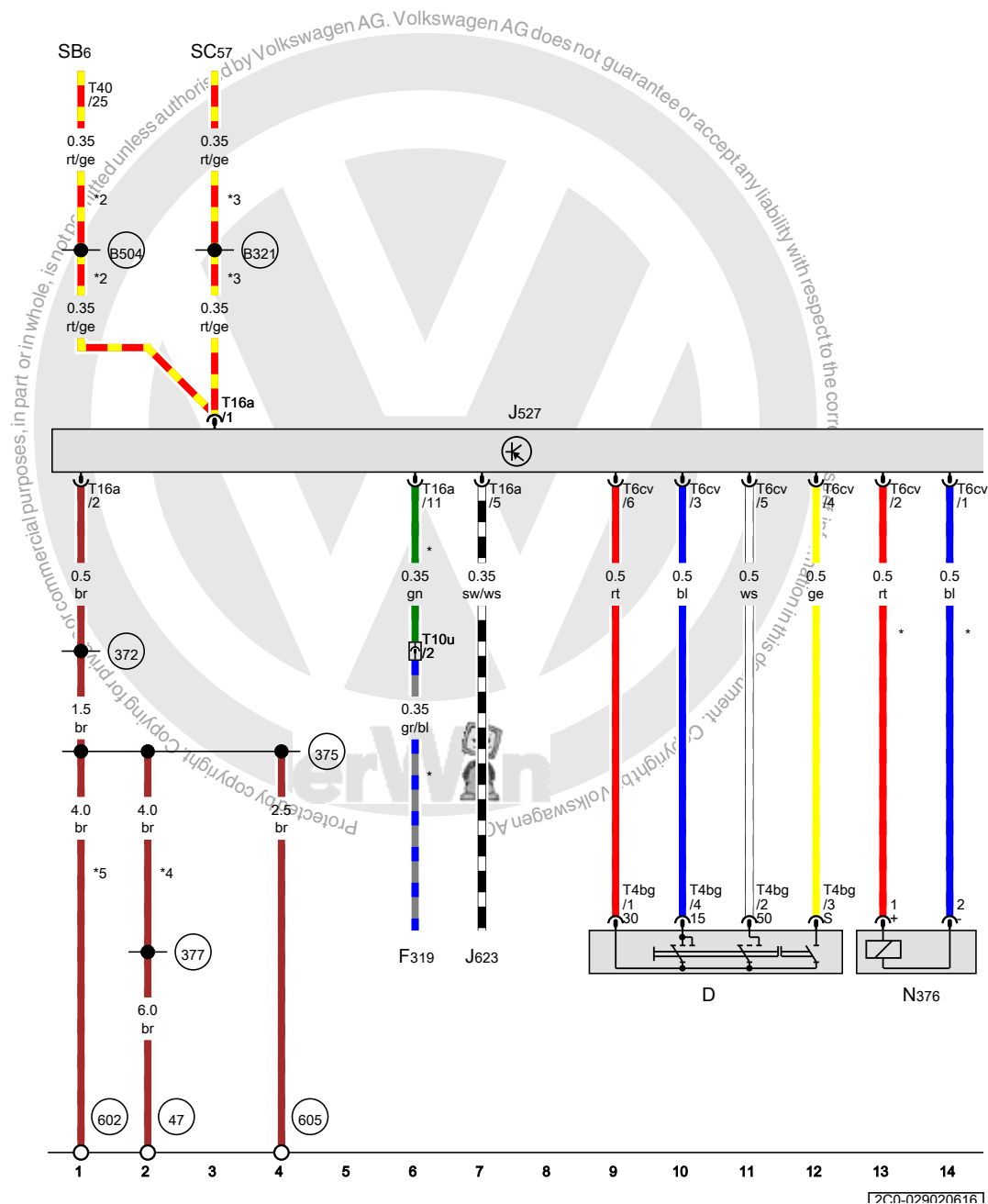
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Multifunction steering wheel

From August 2010

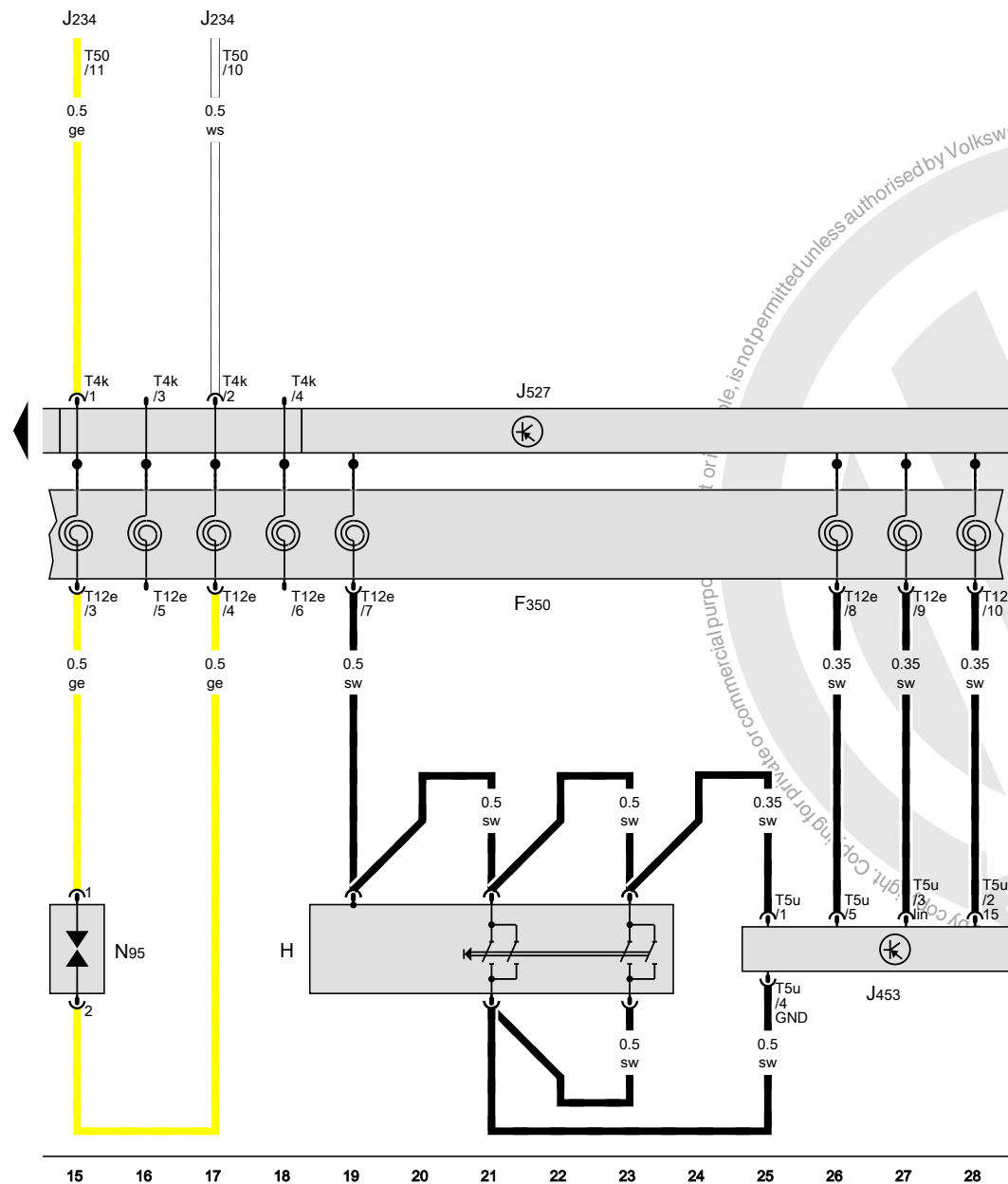


Ignition/starter switch, Steering column electronics control unit, Ignition key withdrawal lock solenoid

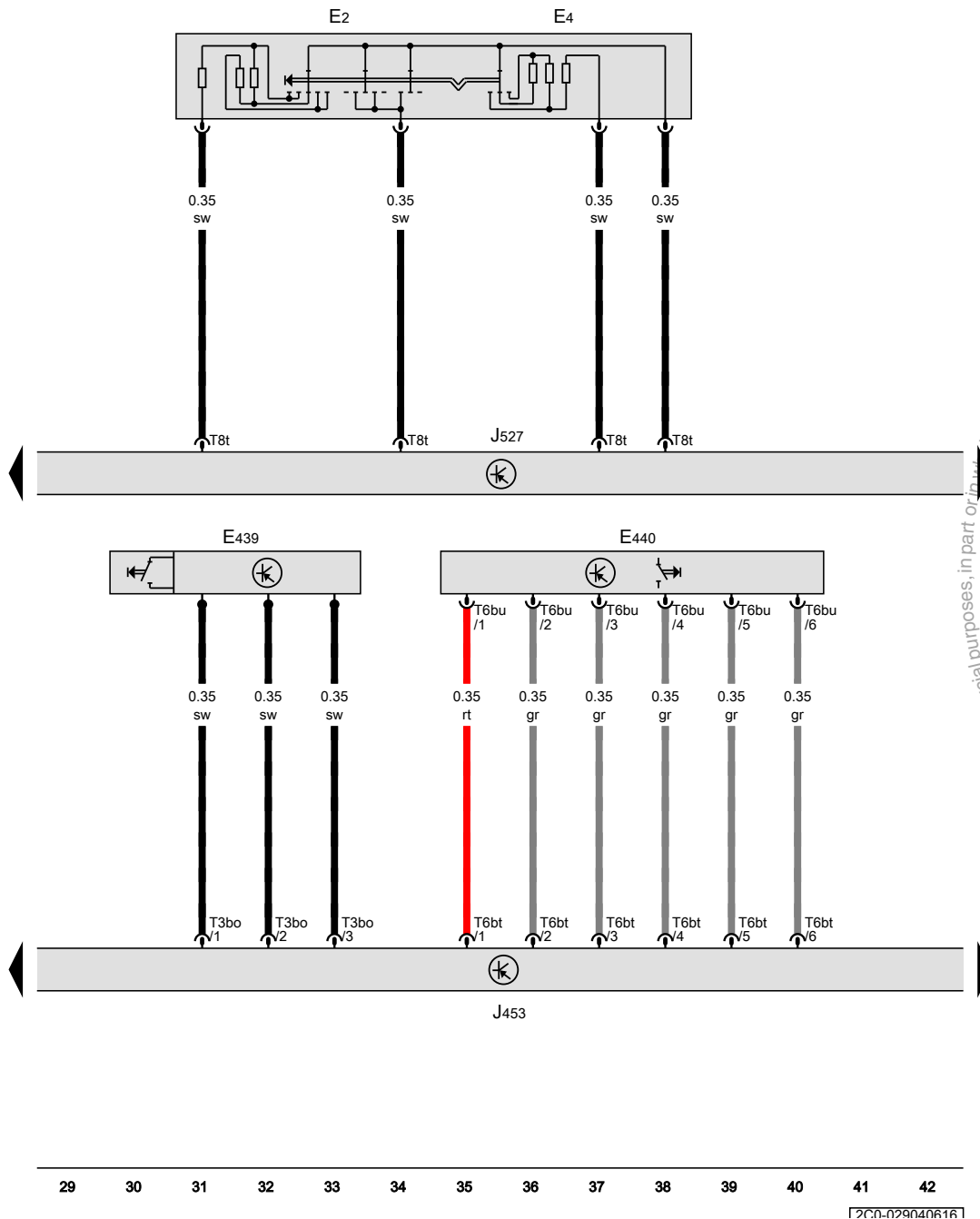


- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J527 Steering column electronics control unit
- J623 Engine control unit
- N376 Ignition key withdrawal lock solenoid, on ignition/starter switch
- SB6 Fuse 6 on fuse holder B
- SC57 Fuse 57 on fuse holder C
- T4bg 4-pin connector, black
- T6cv 6-pin connector, white
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector, black
- T40 40-pin connector, black
- 47 Earth point, in front right footwell
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B321 Positive connection 7 (30a) in main wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness
- * Only models with dual clutch gearbox
- *2 Only models with no start/stop system
- *3 Only models with start/stop system
- *4 Only right-hand drive models
- *5 Only left-hand drive models

Horn plate, Multifunction steering wheel control unit,
Steering column electronics control unit, Driver side airbag
igniter

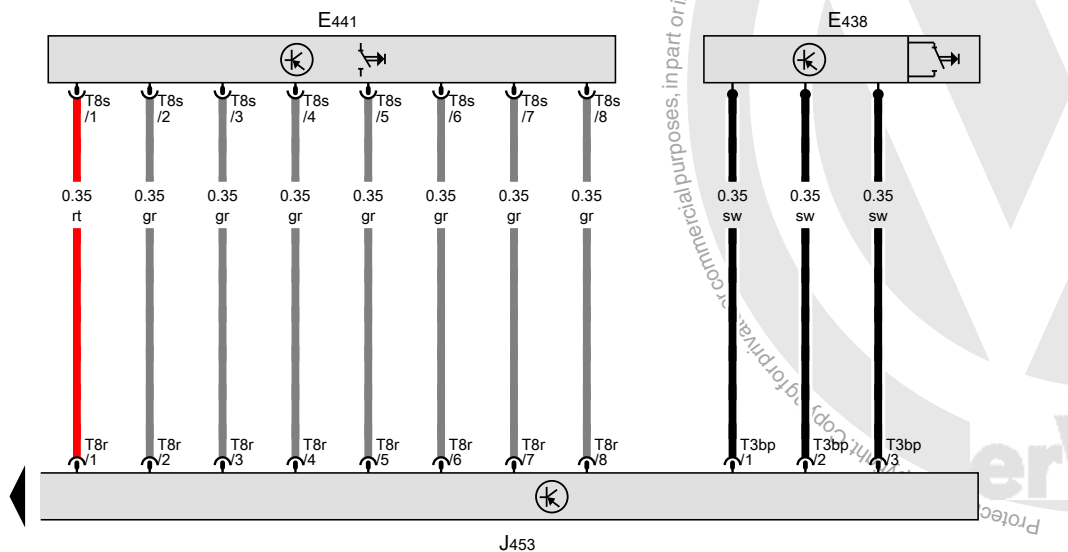
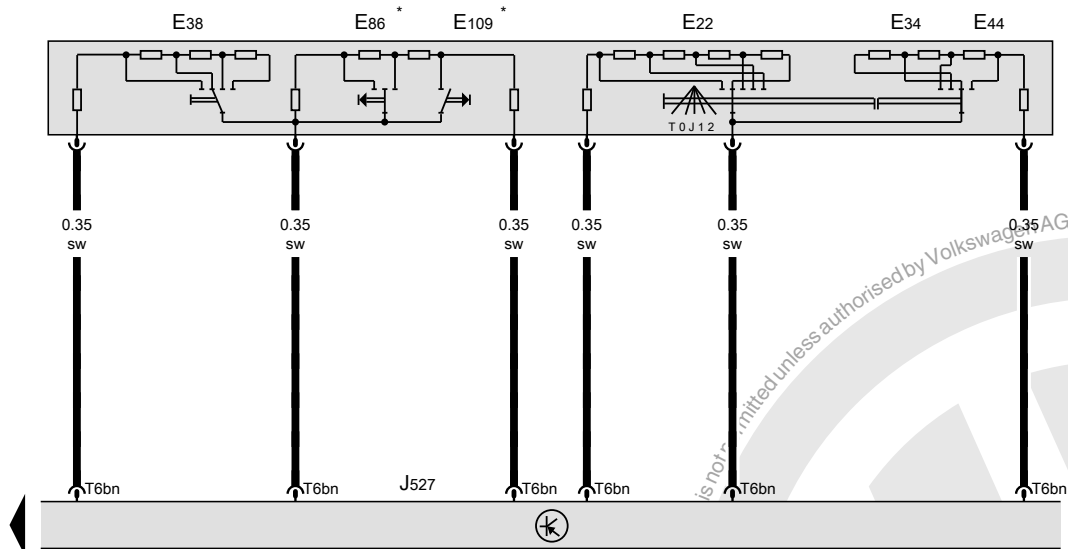


- F350 Coil connector
- H Horn plate
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit, in steering wheel
- J527 Steering column electronics control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector
- T5u 5-pin connector, black
- T12e 12-pin connector, yellow
- T50 50-pin connector



Turn signal switch, Headlight dipper and flasher switch, Tiptronic switch in steering wheel to shift down, Multifunction buttons on left in steering wheel, Multifunction steering wheel control unit, Steering column electronics control unit

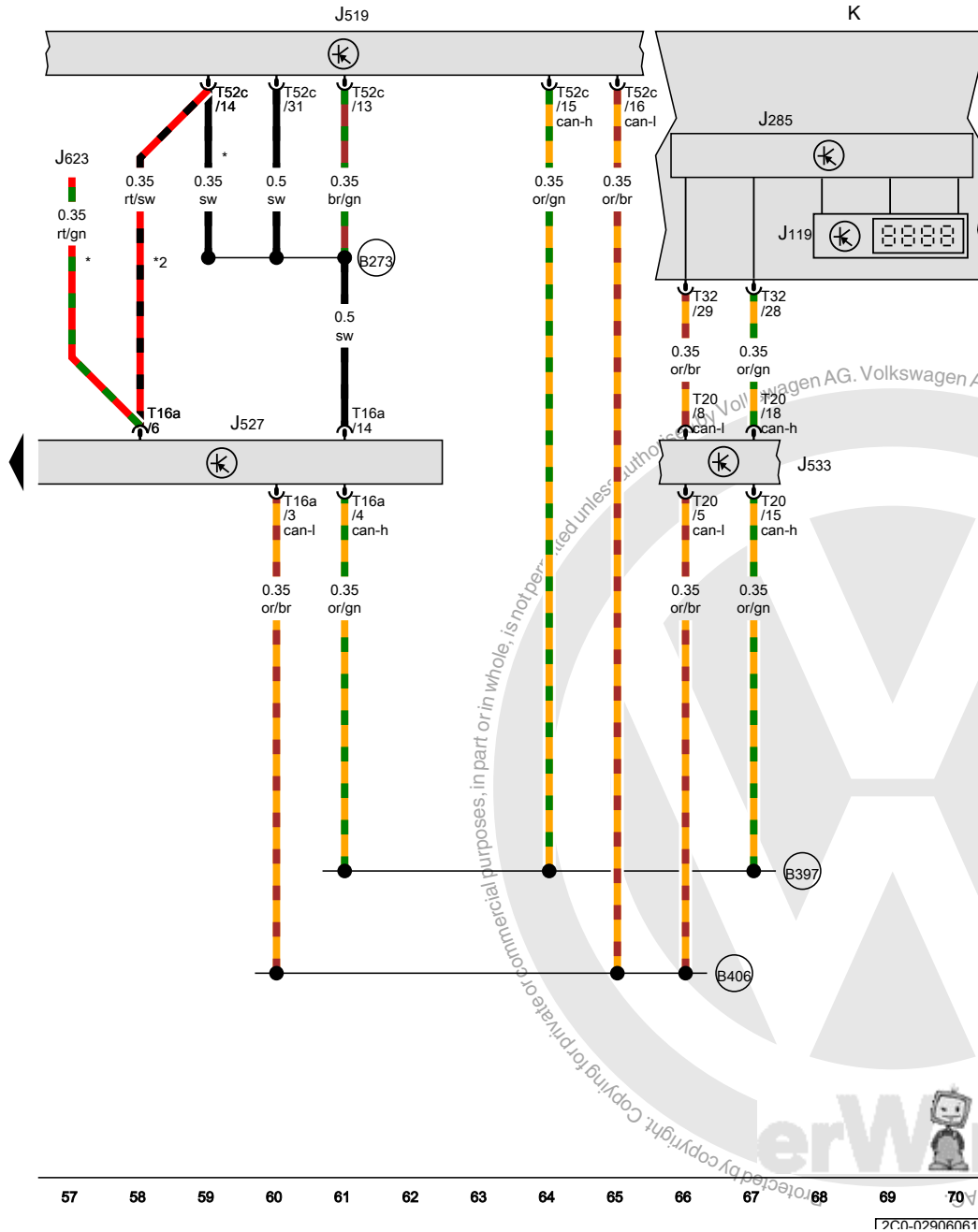
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E439 Tiptronic switch in steering wheel to shift down
- E440 Multifunction buttons on left in steering wheel
- J453 Multifunction steering wheel control unit, in steering wheel
- J527 Steering column electronics control unit
- T3bo 3-pin connector
- T6bt 6-pin connector, grey
- T6bu 6-pin connector, grey
- T8t 8-pin connector, white



Intermittent wiper switch, Rear wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Multifunction display call-up button, Multifunction display memory switch, Tiptronic switch in steering wheel to shift up, Multifunction buttons on right in steering wheel, Multifunction steering wheel control unit, Steering column electronics control unit

- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- E438 Tiptronic switch in steering wheel to shift up
- E441 Multifunction buttons on right in steering wheel
- J453 Multifunction steering wheel control unit, in steering wheel
- J527 Steering column electronics control unit
- T3bp 3-pin connector
- T6bn 6-pin connector, white
- T8r 8-pin connector
- T8s 8-pin connector
- * Only models with multifunction display

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



Multifunction indicator, Onboard supply control unit, Steering column electronics control unit, Data bus diagnostic interface, Dash panel insert

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J533 Data bus diagnostic interface
- J623 Engine control unit
- K Dash panel insert
- T16a 16-pin connector, black
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

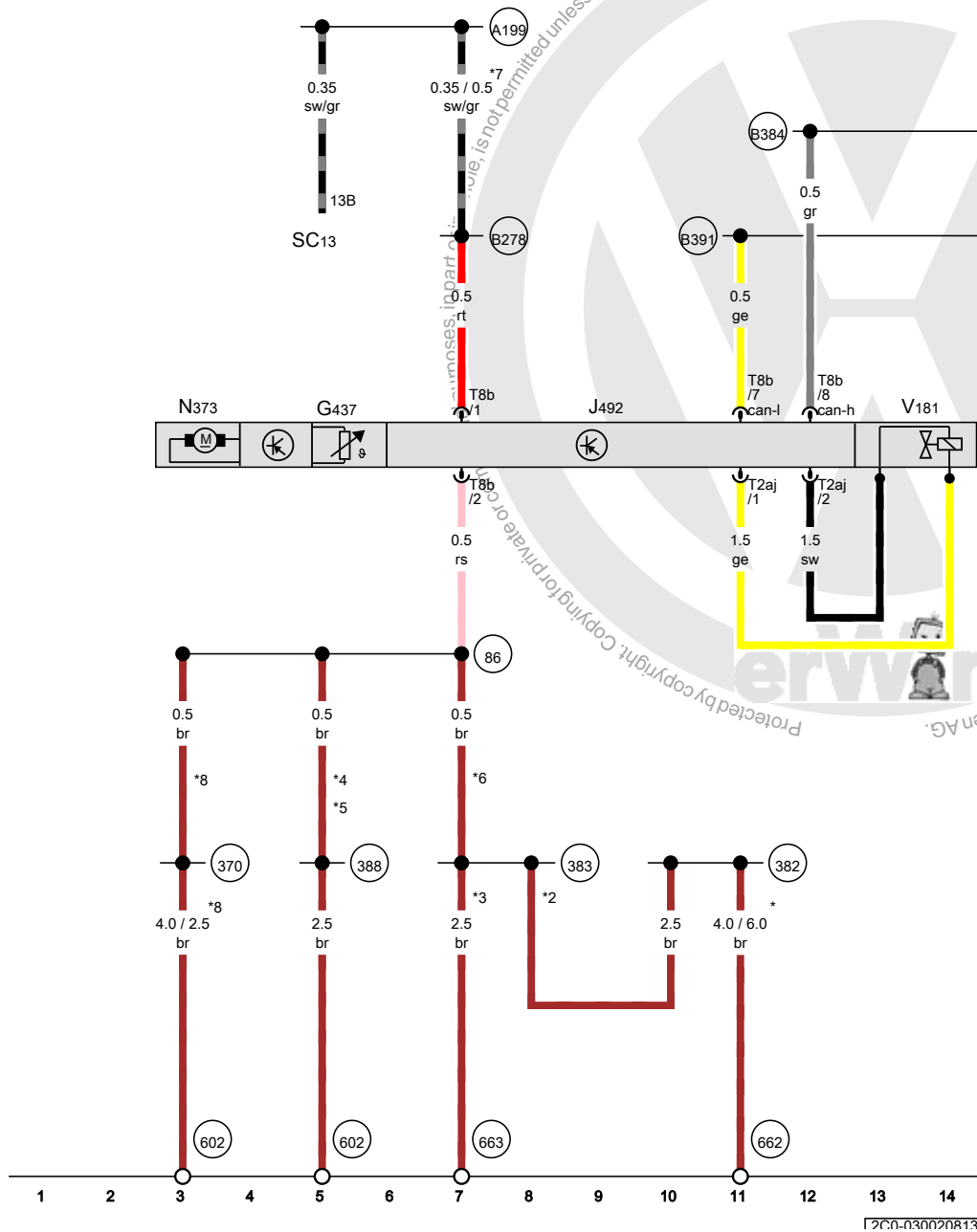
- B273 Positive connection (15), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with start/stop system
- *2 Only models with no start/stop system

All-wheel drive (4Motion)

From August 2010



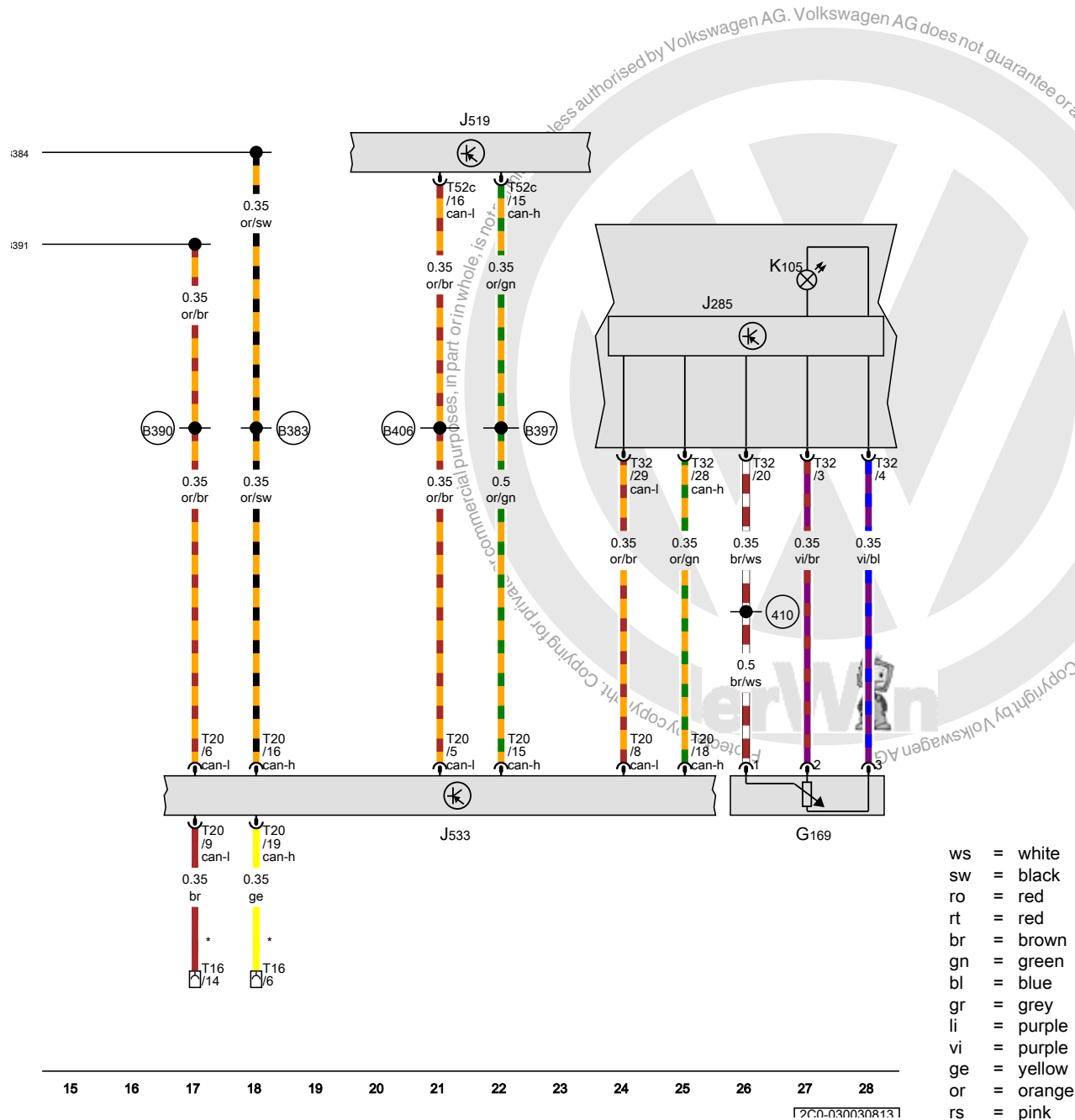
Oil pressure and oil temperature sender, All-wheel drive control unit, Coupling opening control valve, Haldex coupling pump



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

- G437 Oil pressure and oil temperature sender
- J492 All-wheel drive control unit, on rear final drive
- N373 Coupling opening control valve
- SC13 Fuse 13 on fuse holder C
- T2aj 2-pin connector, black
- T8b 8-pin connector, black
- V181 Haldex coupling pump
- 86 Earth connection 1, in rear wiring harness
- 370 Earth connection 5, in main wiring harness
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 602 Earth point, in front left footwell
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B278 Positive connection 2 (15a) in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

- * According to equipment
- *2 Only models with basic equipment
- *3 Optional equipment
- *4 From May 2012
- *5 Up to October 2012
- *6 Up to April 2012
- *7 From November 2011
- *8 From November 2012



Fuel gauge sender 2, Control unit in dash panel insert, Data bus diagnostic interface

- G169 Fuel gauge sender 2
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K105 Reserve fuel warning lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 410 Earth connection 1 (sender earth) in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain 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
- * Diagnostic connection

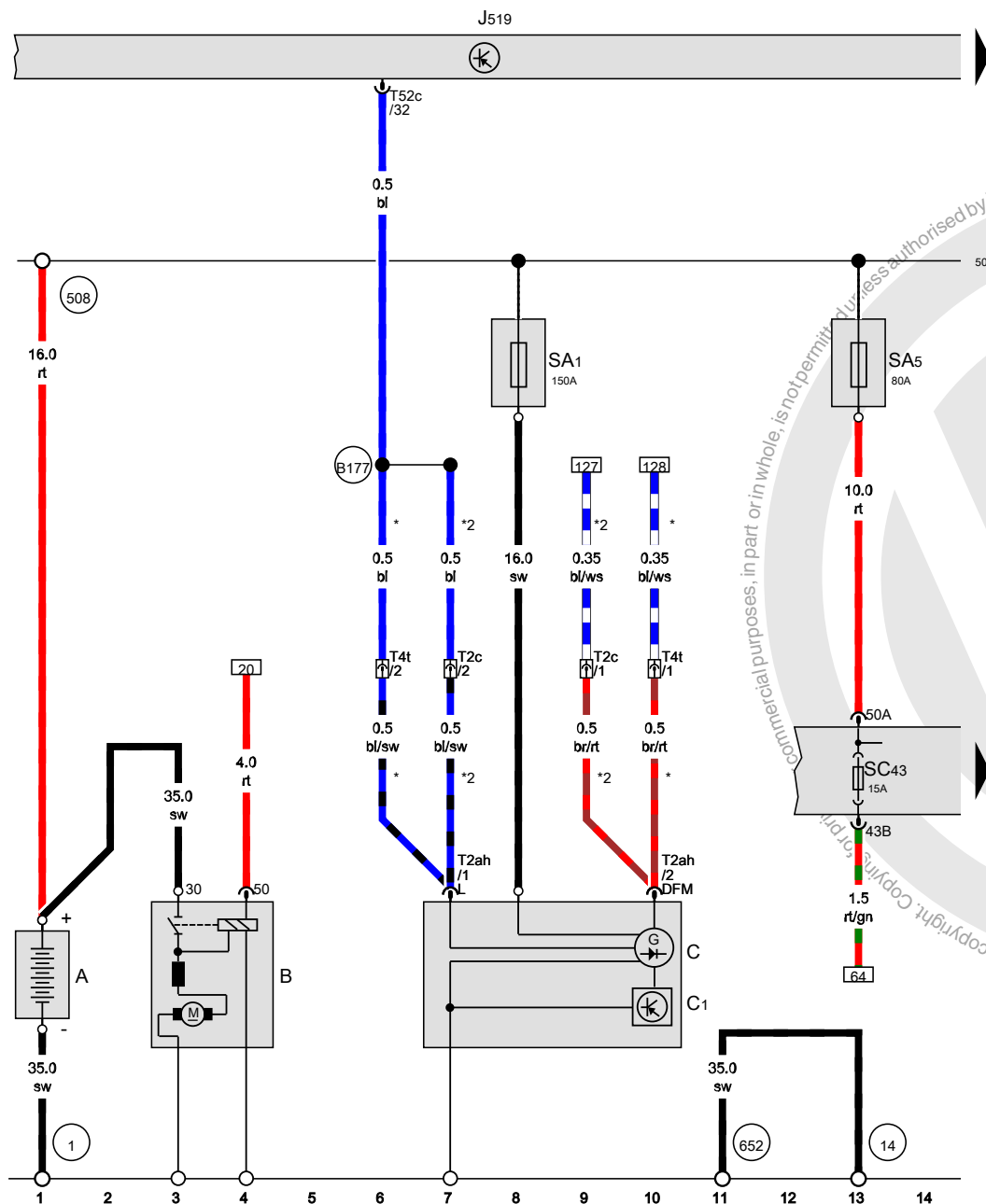
- ws = white
- sw = black
- ro = red
- rt = red
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- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

1.6l petrol engine (BiFuel) , CHGA

From May 2011

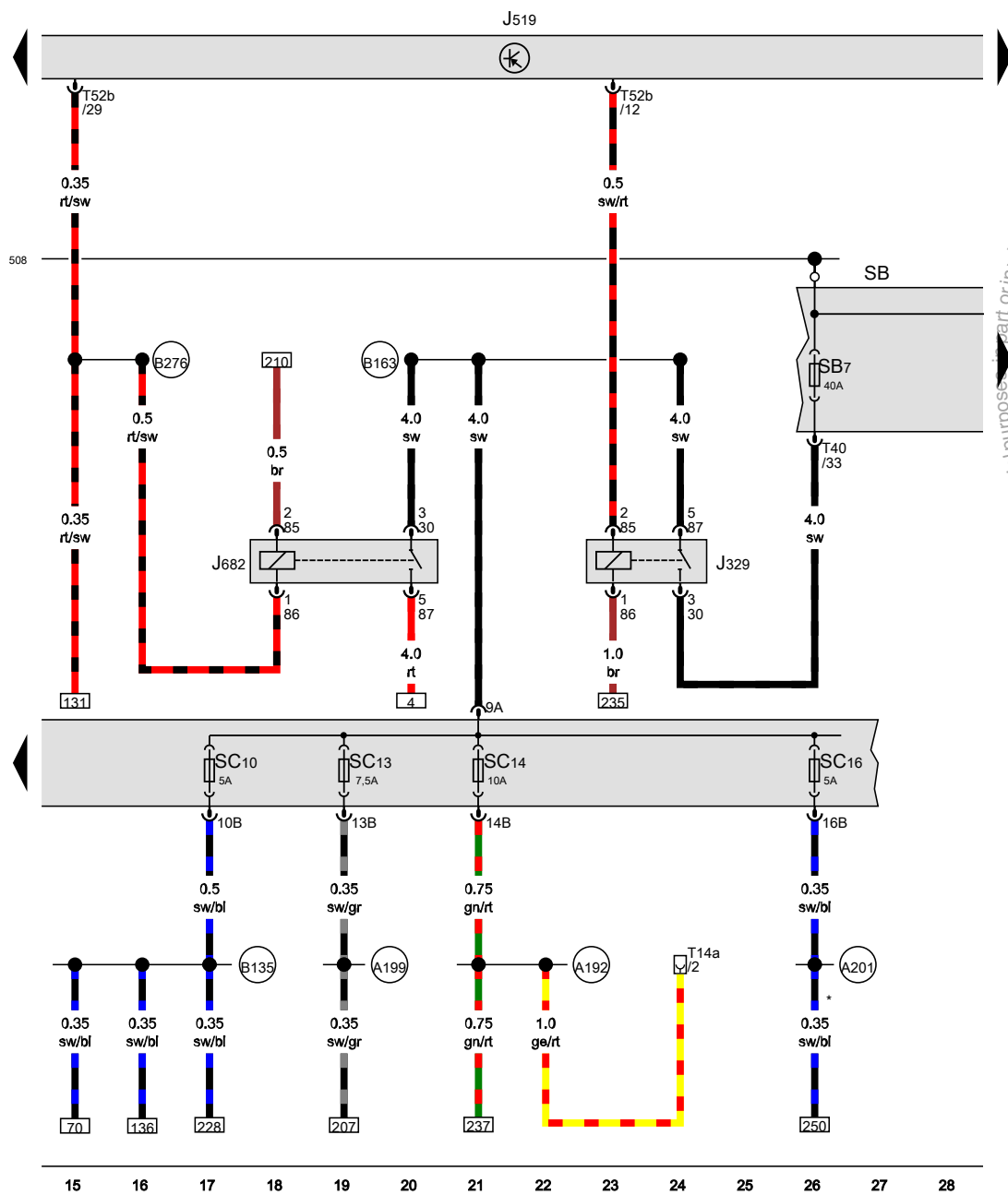


Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

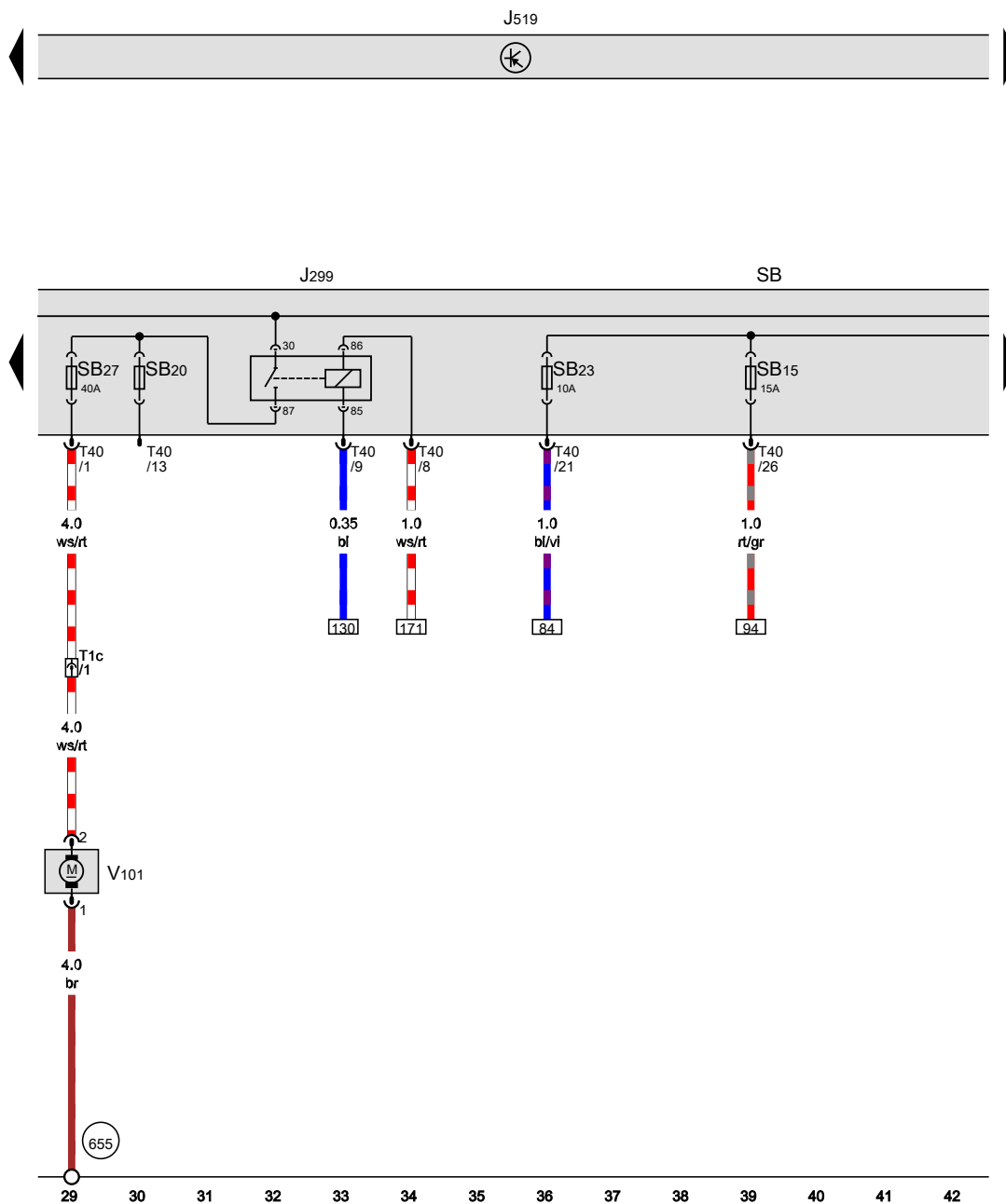
ws = white
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Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- T52b 52-pin connector, white
- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- * Only models with flexible service interval display

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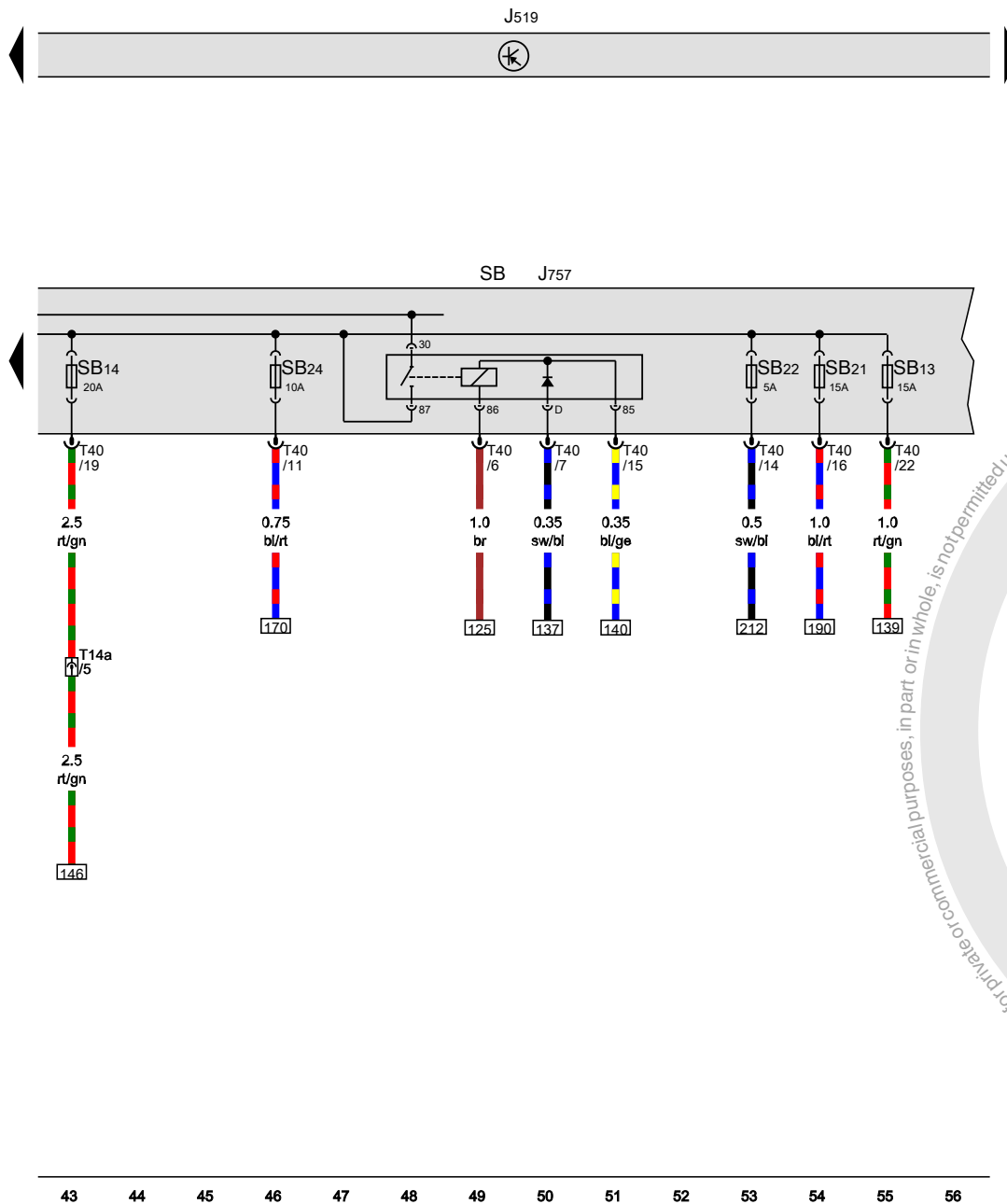


Secondary air pump relay, Onboard supply control unit,
Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T1c Single connector, on left in engine compartment, black
- T40 40-pin connector
- V101 Secondary air pump motor
- 655 Earth point, on left headlight

Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector



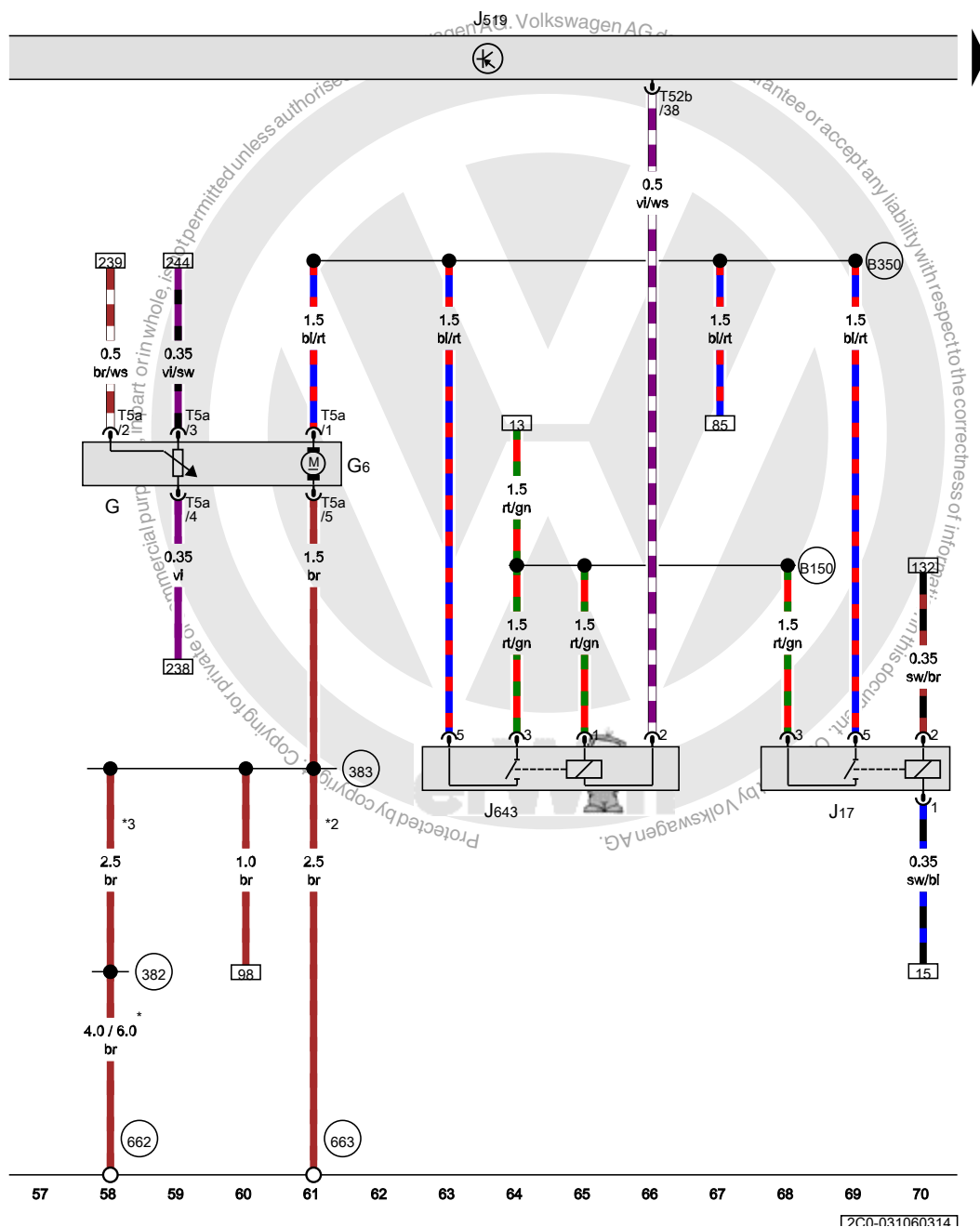
7C0-031050314

Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment

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



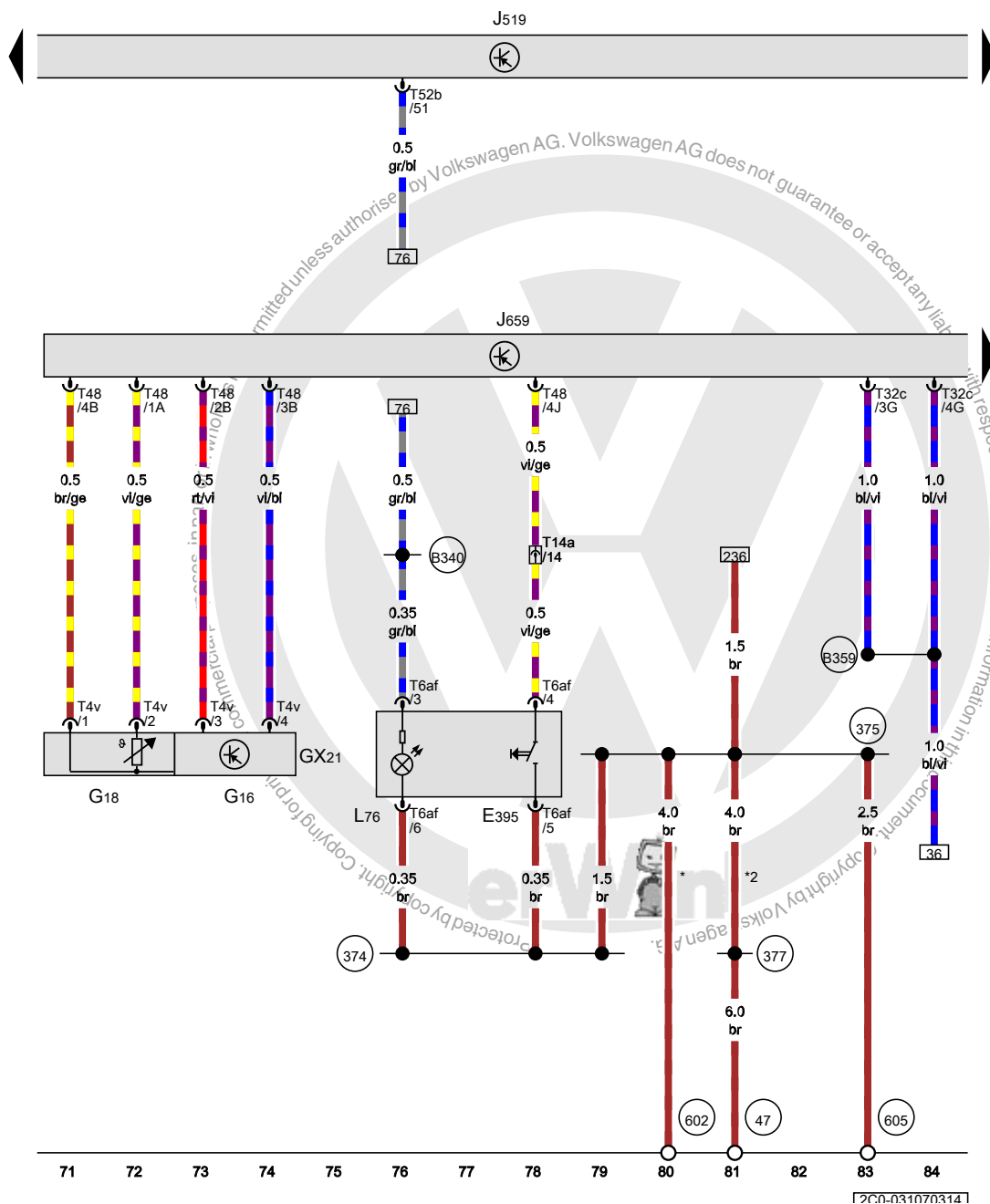
Petrol or gas fuel selection switch, Gas rail temperature and pressure sensor, Onboard supply control unit, Gas mode control unit

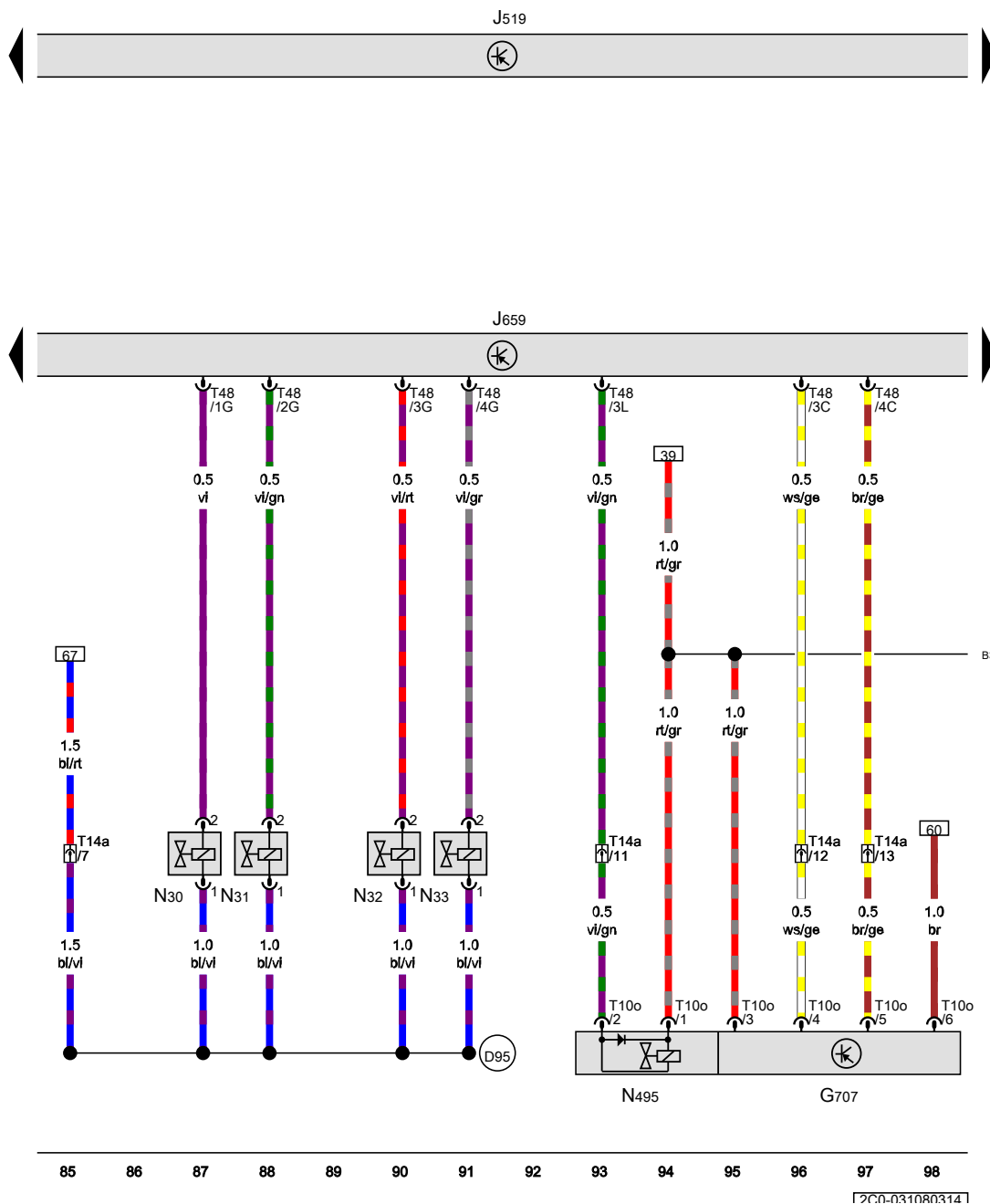
- E395 Petrol or gas fuel selection switch
- G16 Pressure sensor
- G18 Temperature sensor
- GX21 Gas rail temperature and pressure sensor
- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- L76 Button illumination bulb
- T4v 4-pin connector, black
- T6af 6-pin connector, green
- T14a 14-pin connector, near left headlight, black
- T32c 32-pin connector, grey
- T48 48-pin connector, brown
- T52b 52-pin connector, white

- 47 Earth point, in front right footwell
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B340 Connection 1 (58d), in main wiring harness
- B359 Positive connection 10 (87a) in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

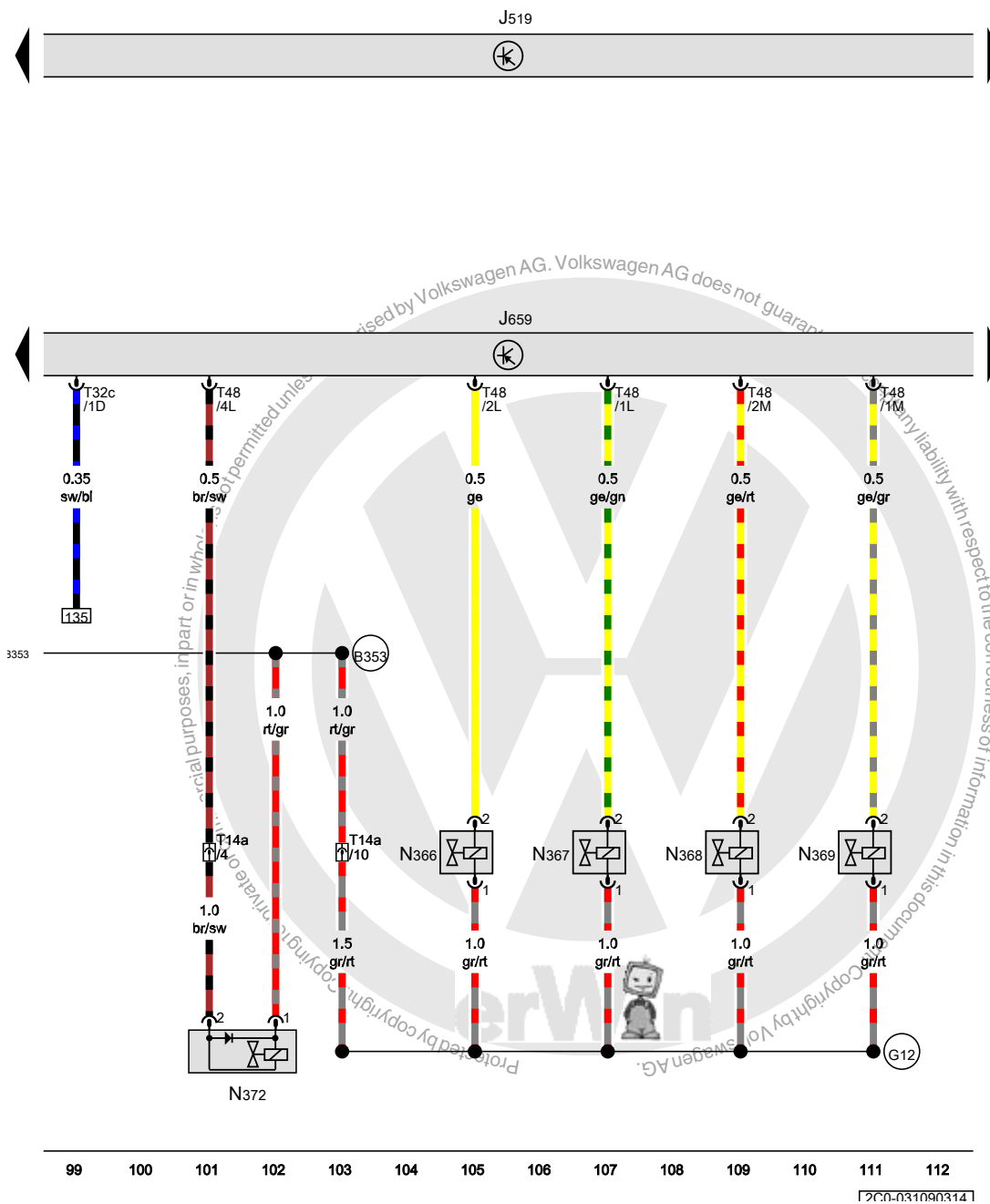
ws = white
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Gas gauge sender, Onboard supply control unit, Gas mode control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Gas tank valve

- G707 Gas gauge sender
- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N495 Gas tank valve
- T10o 10-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T48 48-pin connector, brown
- B353 Positive connection 4 (87a) in main wiring harness
- D95 Connection (injectors), in engine compartment wiring harness



Onboard supply control unit, Gas mode control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4, High-pressure valve for gas mode

- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N372 High-pressure valve for gas mode
- T14a 14-pin connector, near left headlight, black
- T32c 32-pin connector, grey
- T48 48-pin connector, brown

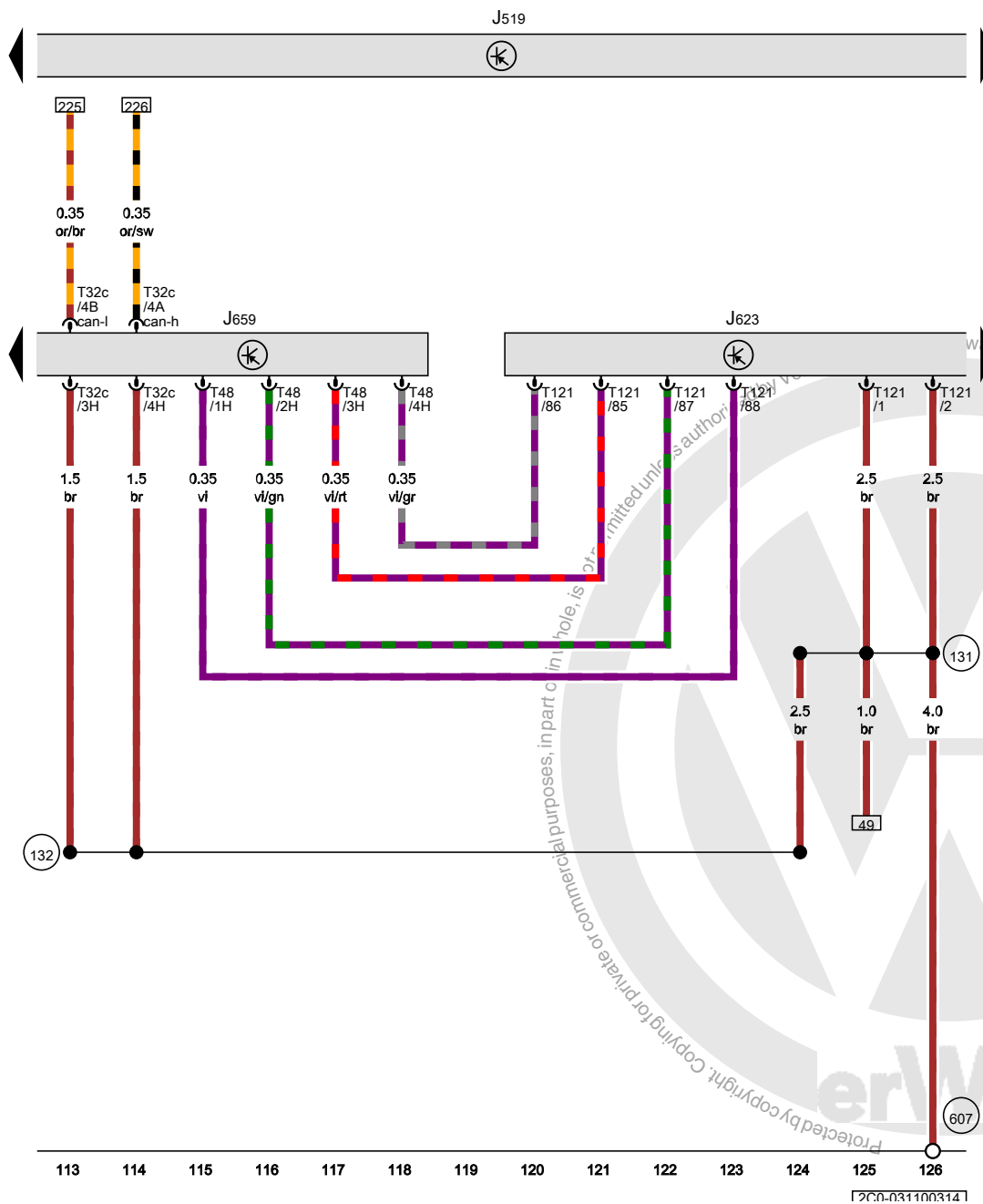
- B353 Positive connection 4 (87a) in main wiring harness
- G12 Connection 1 in gas mode wiring harness

- ws = white
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- rt = red
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- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Onboard supply control unit, Engine control unit, Gas mode control unit

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- J659 Gas mode control unit, central in plenum chamber
- T32c 32-pin connector, grey
- T48 48-pin connector, brown
- T121 121-pin connector

- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 607 Earth point, on left in plenum chamber



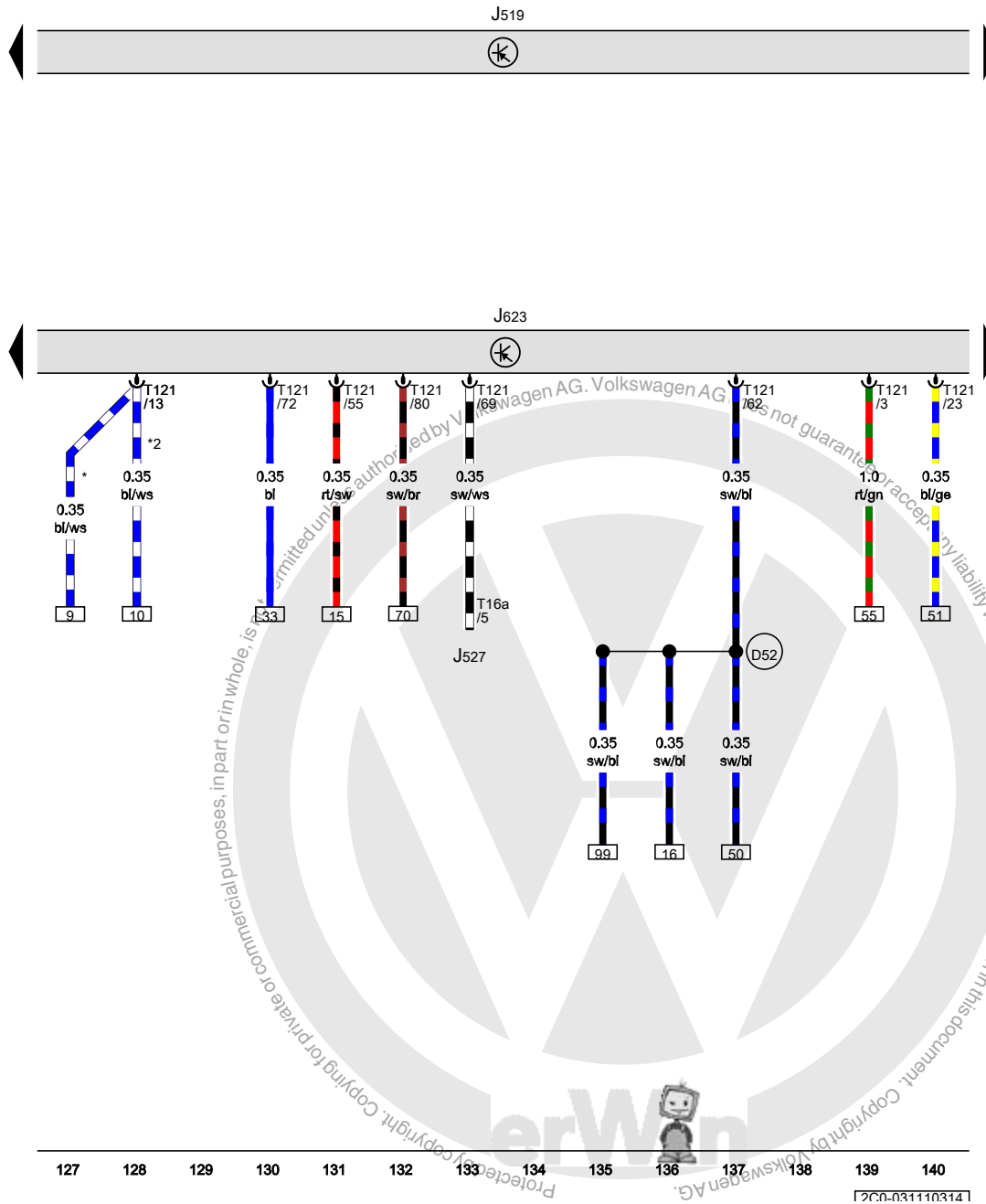
Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
J527 Steering column electronics control unit
J623 Engine control unit, central in plenum chamber
T16a 16-pin connector
T121 121-pin connector

D52 Positive connection (15a), in engine compartment wiring harness

* Only models with no air conditioning system

*2 Only models with air conditioning system

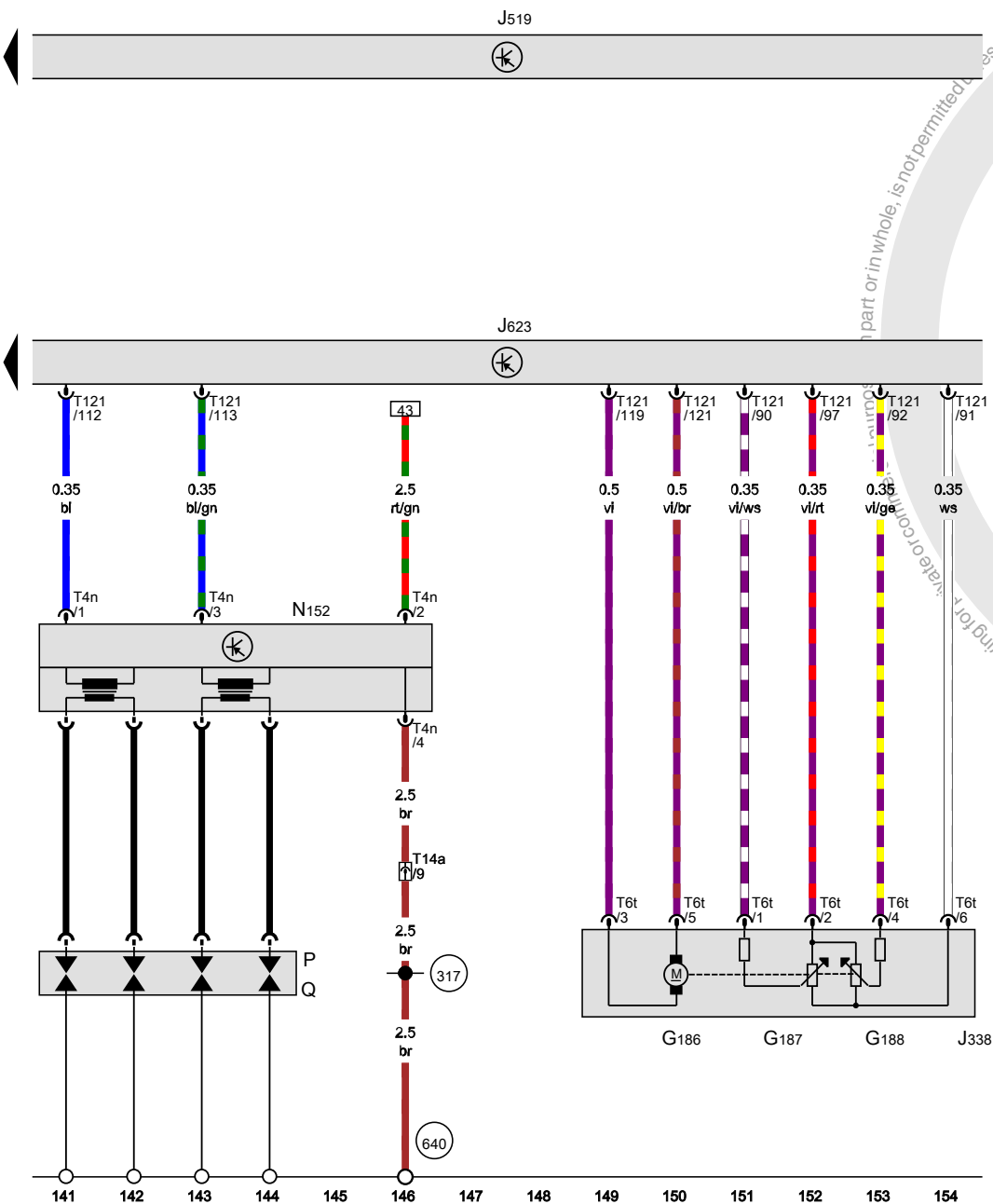


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Throttle valve module, Onboard supply control unit, Engine control unit, Ignition transformer, Spark plugs

- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector, black
- T6t 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment

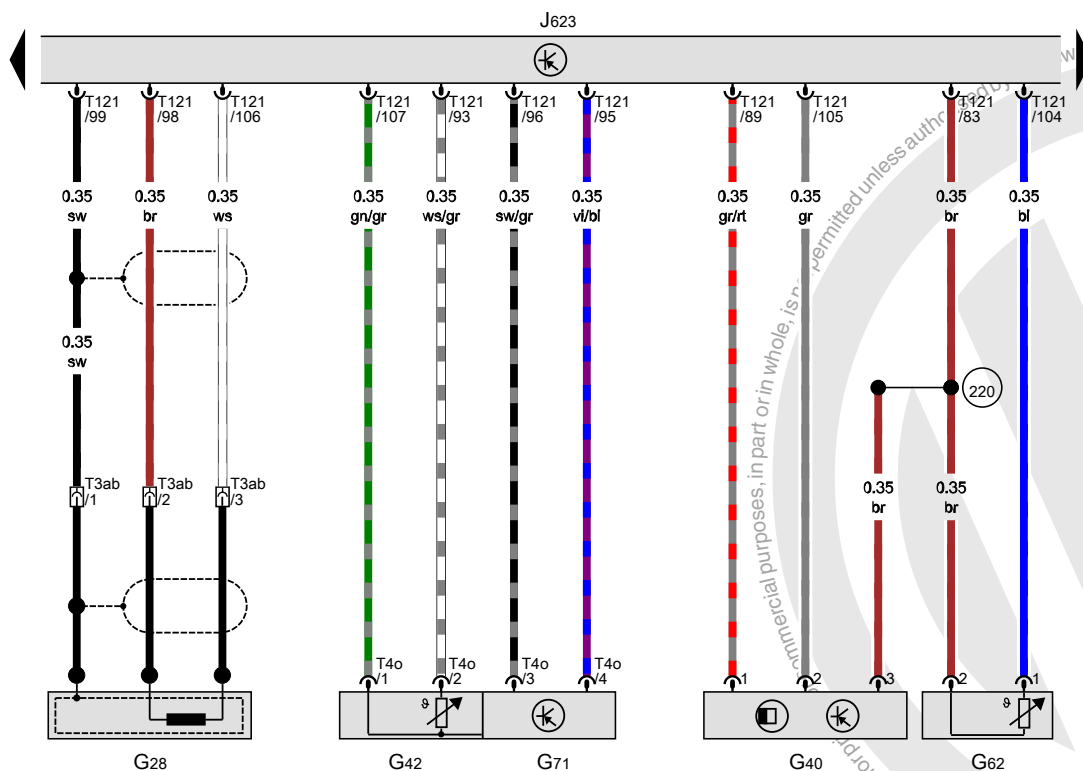
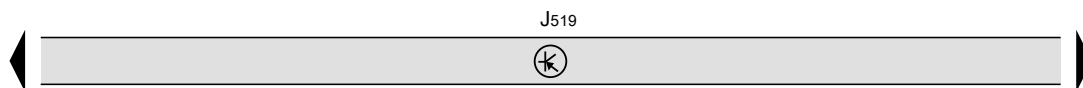


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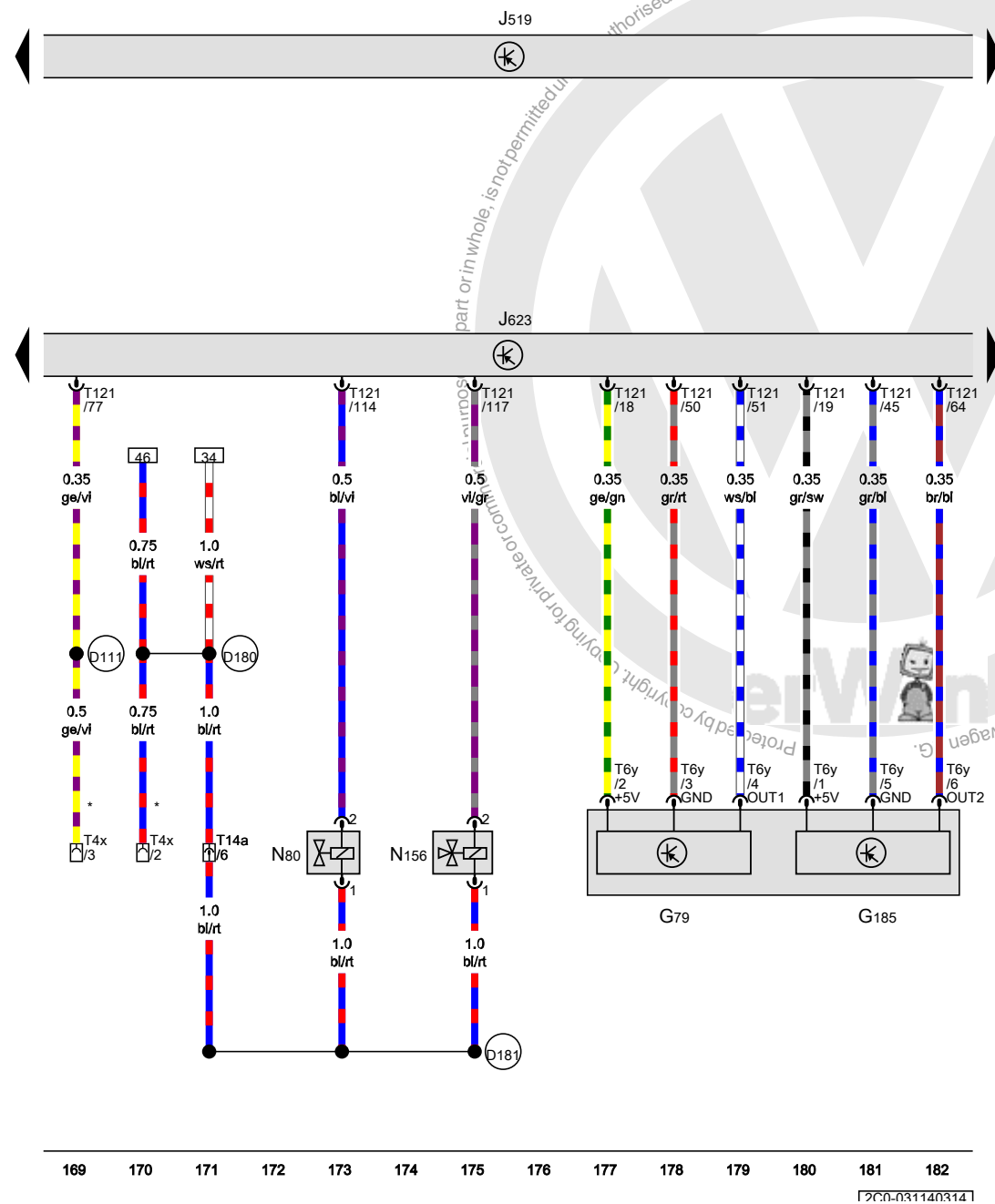
Engine speed sender, Hall sender, Intake air temperature sender, Coolant temperature sender, Intake manifold pressure sender, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T4o 4-pin connector, black
- T121 121-pin connector

220 Earth connection (sender earth), in engine wiring harness



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Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit, Activated charcoal filter solenoid valve 1, Variable intake manifold changeover valve

- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N156 Variable intake manifold changeover valve
- T4x 4-pin connector, black
- T6y 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

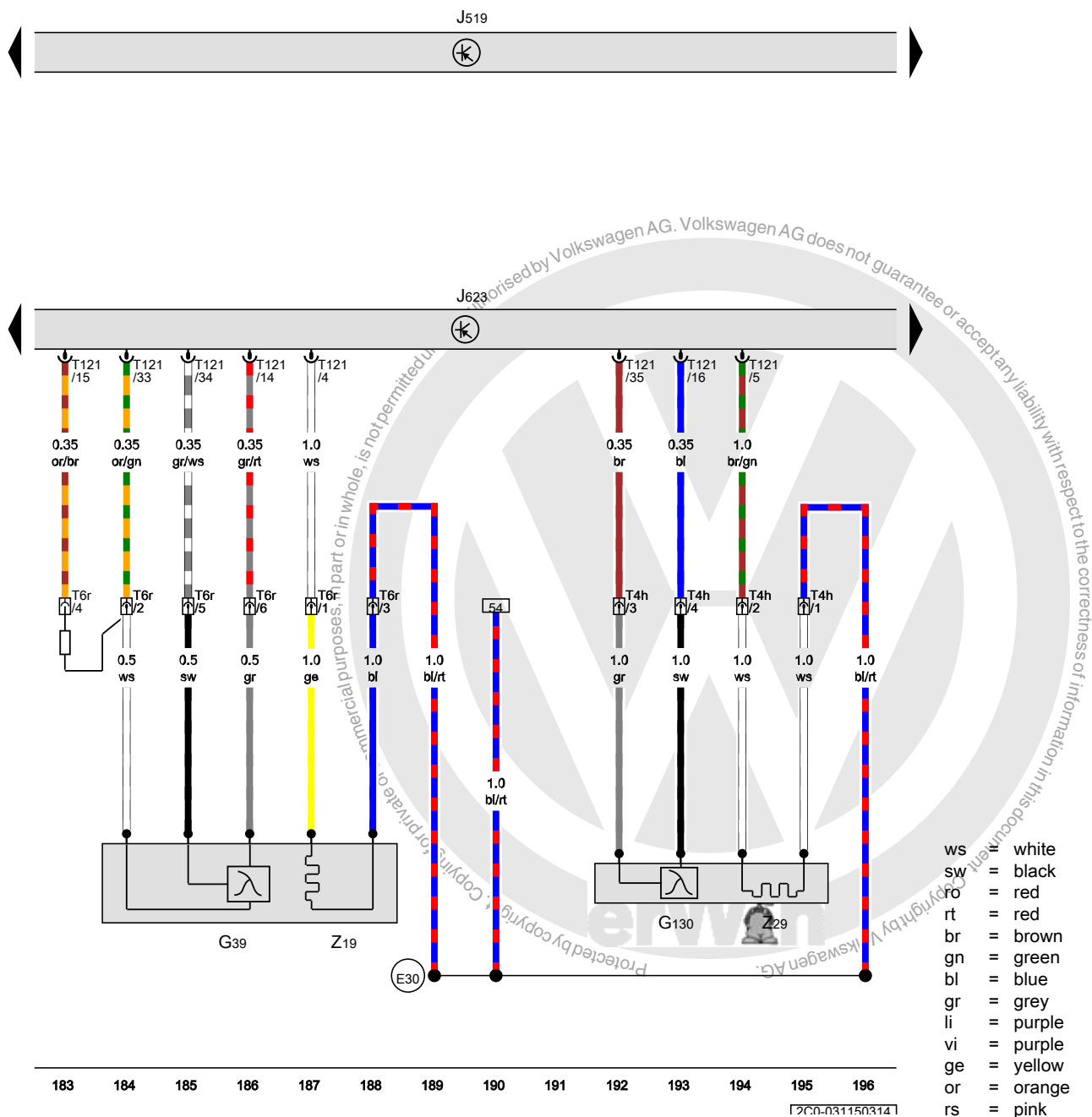
- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection

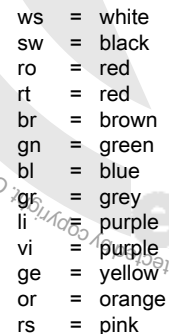
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Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

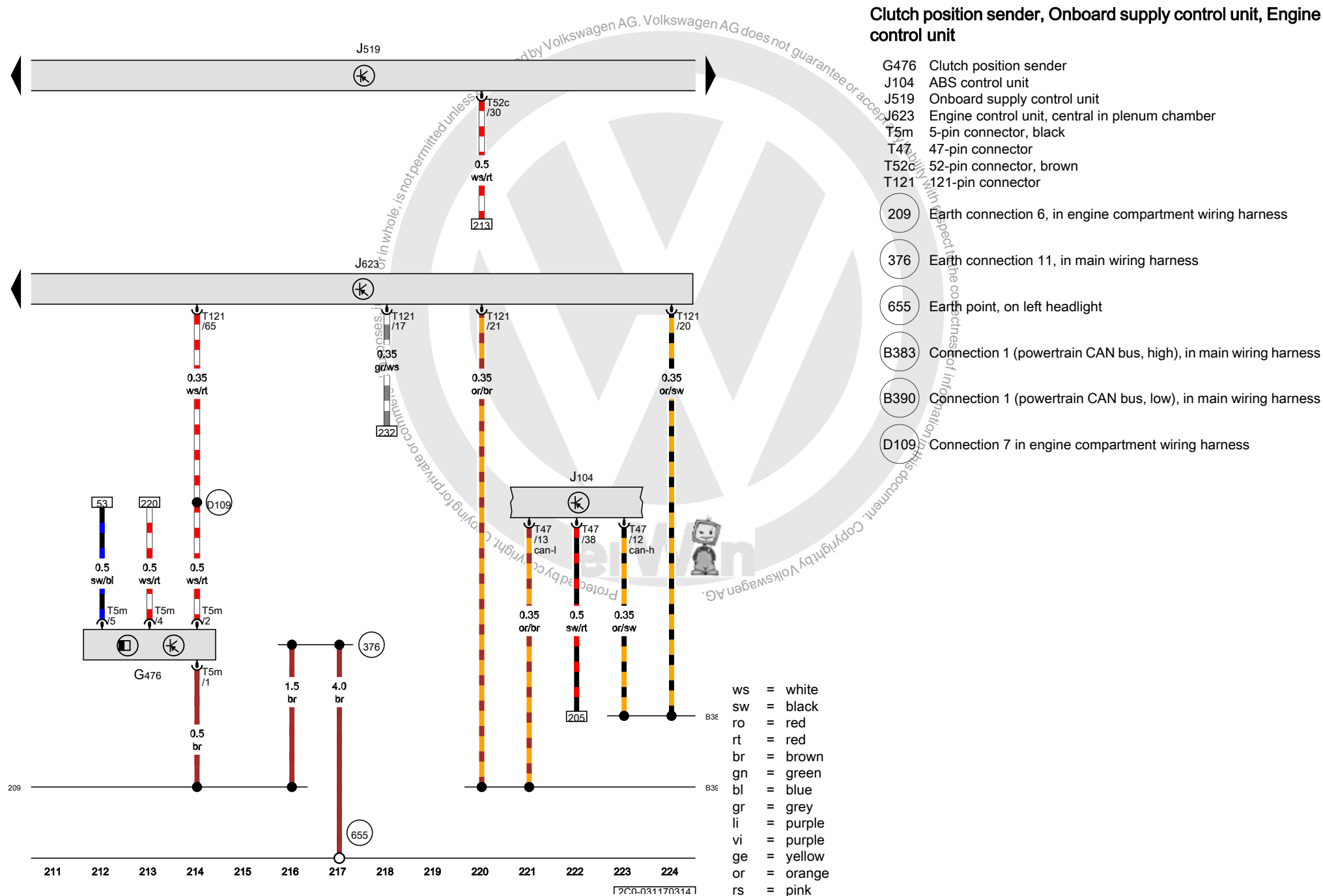
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

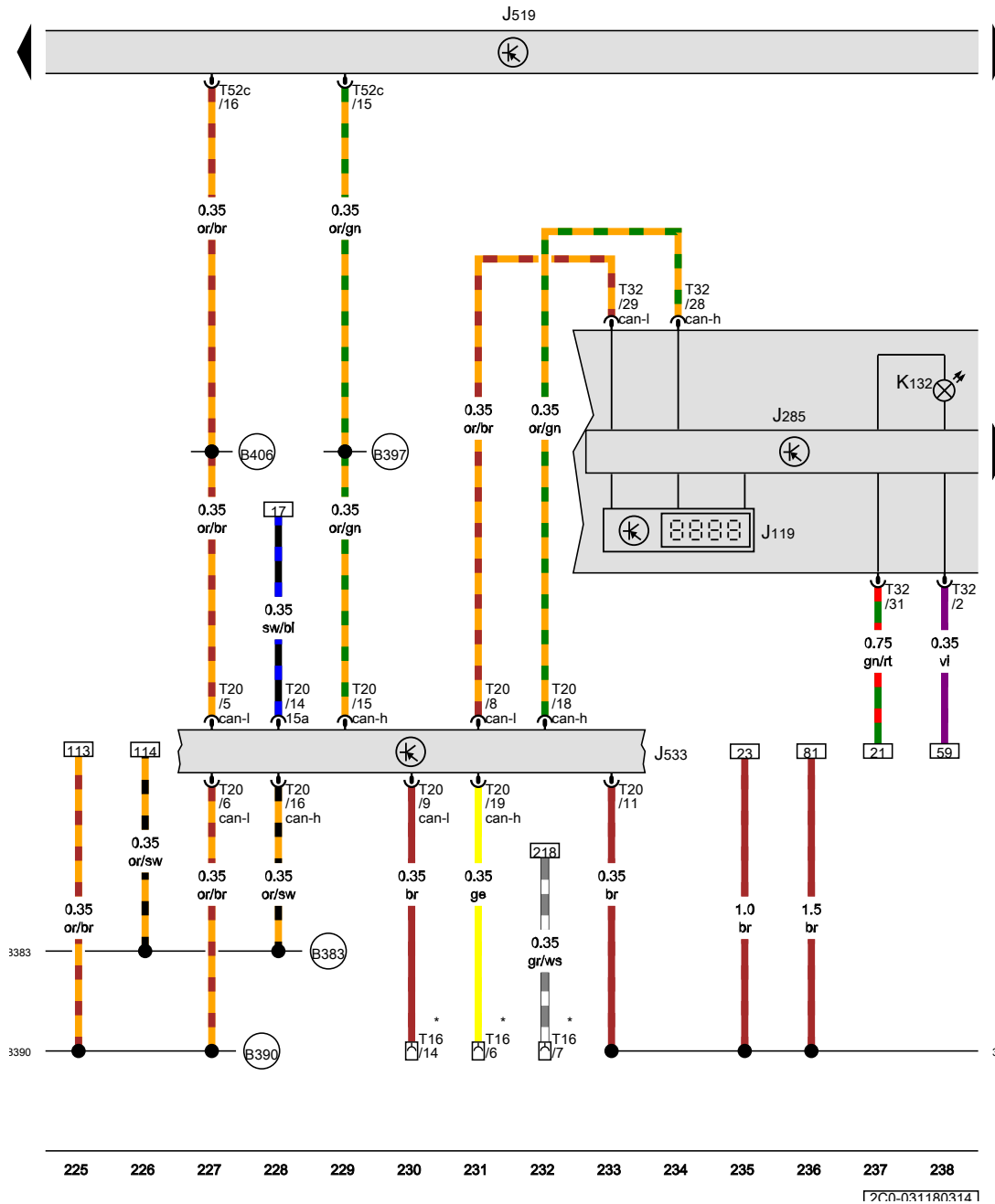
E30 Connection (87a), in engine wiring harness





F	Brake light switch
G61	Knock sensor 1
G83	Radiator outlet coolant temperature sender
J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
T4w	4-pin connector, black
T52c	52-pin connector, brown
T121	121-pin connector
209	Earth connection 6, in engine compartment wiring harness
B131	Connection (54), in interior wiring harness
D106	Connection 4 in engine compartment wiring harness
D107	Connection 5 in engine compartment wiring harness
*	Only models with air conditioning system



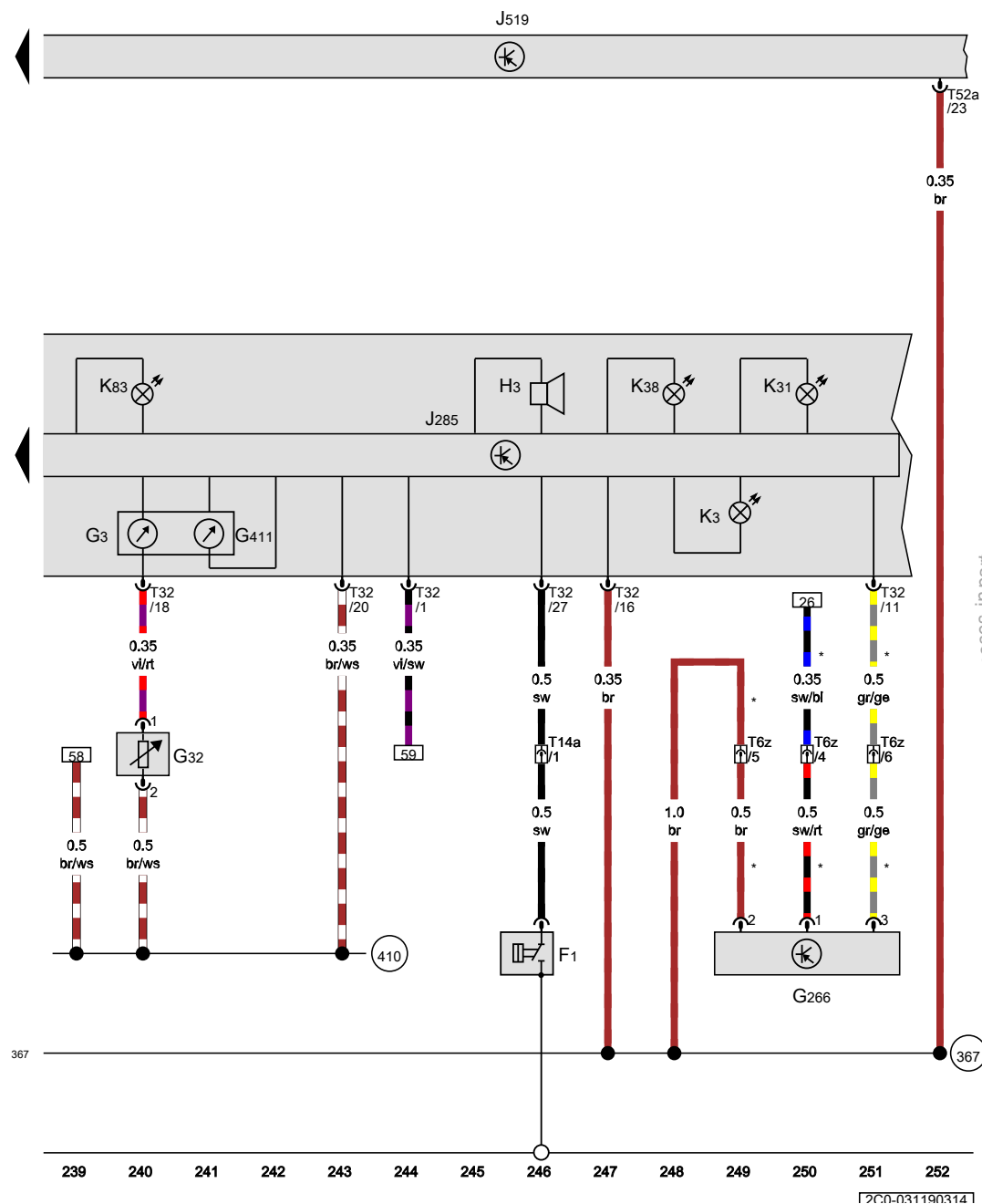


**Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface**

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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Oil pressure switch, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Natural gas gauge, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- G411 Natural gas gauge
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- T6z 6-pin connector, near left headlight
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

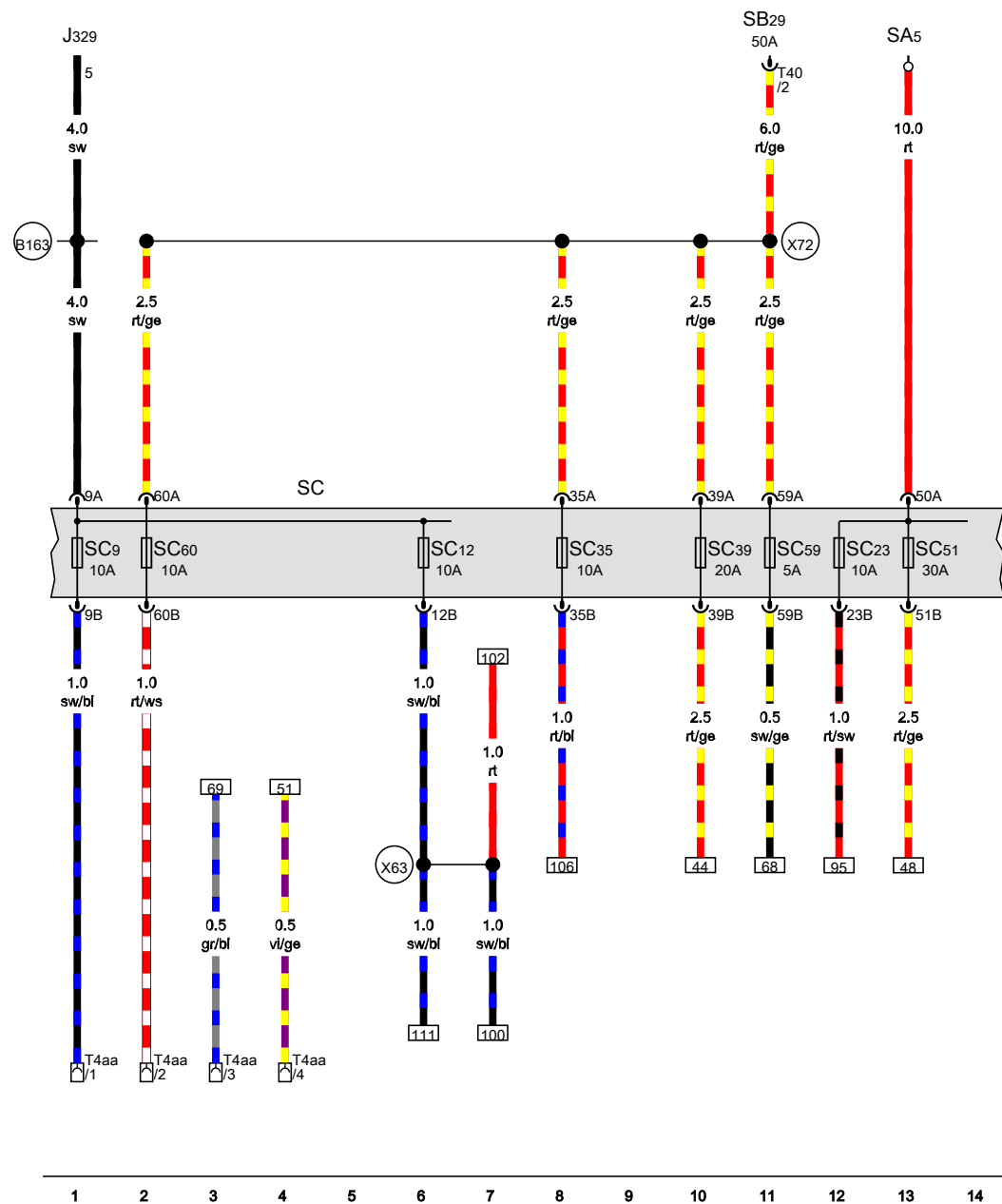
* Only models with flexible service interval display

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Special equipment, police , (F4G),(F4R)

From August 2010





Fuse 5 in fuse holder A, Fuse holder C

- J329 Terminal 15 voltage supply relay
- SA5 Fuse 5 in fuse holder A
- SC Fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SB29 Fuse 29 on fuse holder B
- SC35 Fuse 35 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T4aa 4-pin connector, Coupling point for in-car video surveillance
- T40 40-pin connector

- B163 Positive connection 1 (15), in interior wiring harness
- X63 Positive connection 1 (15a), in optional equipment wiring harness
- X72 Positive connection (30), in police wiring harness

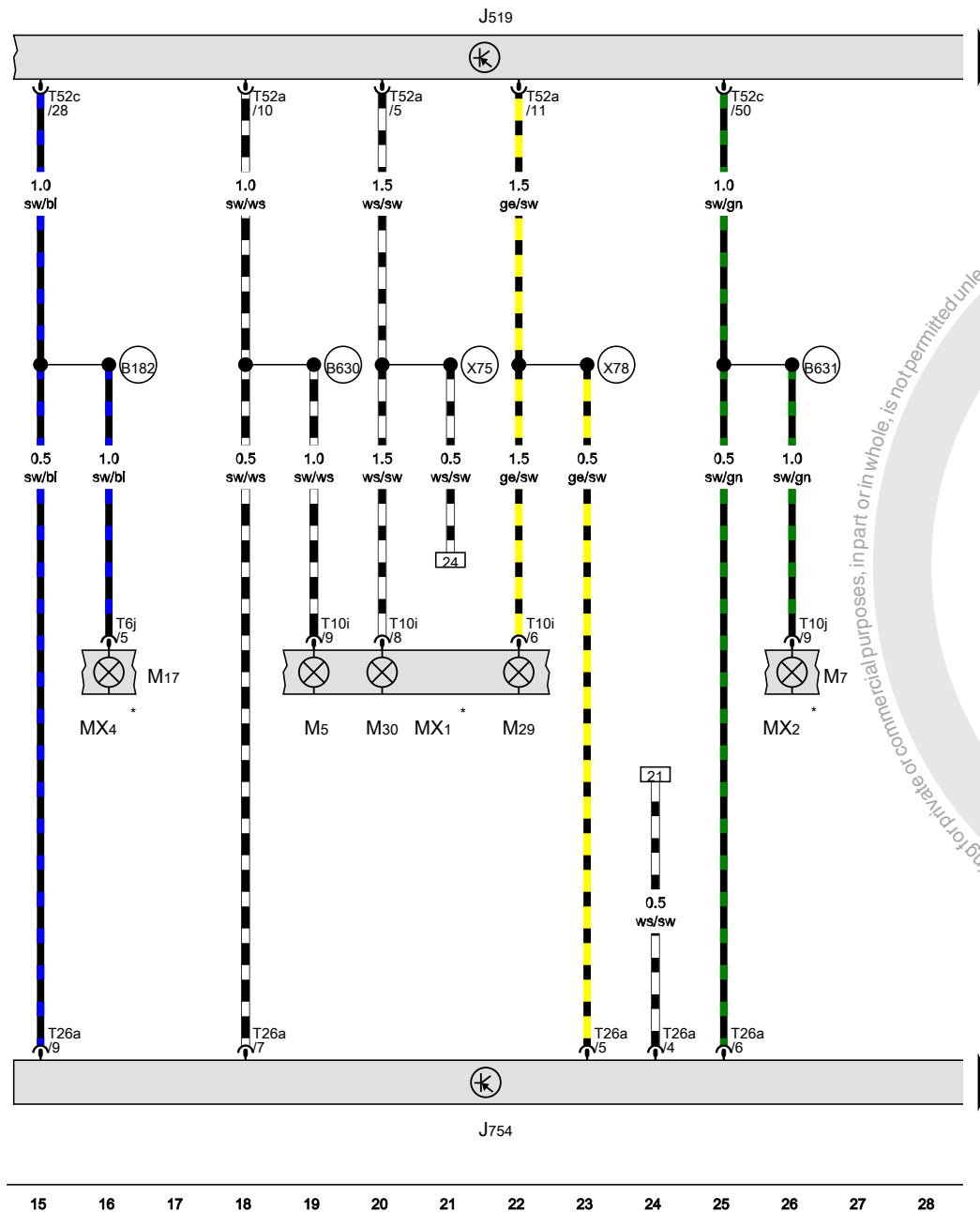
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Onboard supply control unit, Accident data memory, Front left headlight, Front right headlight, Right tail light

- J519 Onboard supply control unit
- J754 Accident data memory
- MX1 Front left headlight
- MX2 Front right headlight
- MX4 Right tail light
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M17 Right reversing light bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T6j 6-pin connector
- T10i 10-pin connector
- T10j 10-pin connector
- T26a 26-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

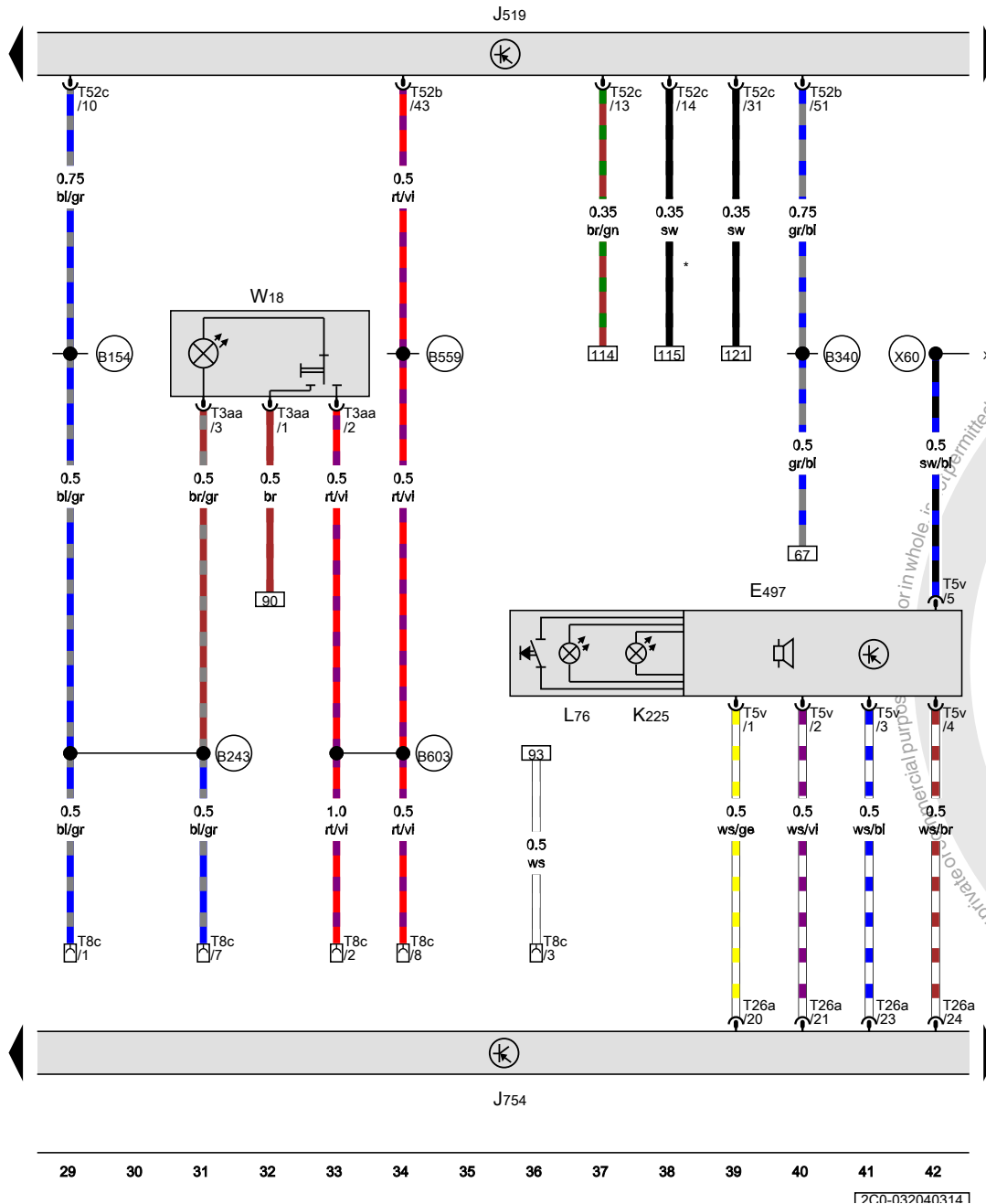
- B182 Connection (RL), in interior wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- X75 Connection (56al), in optional equipment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- * see applicable current flow diagram for basic equipment

- ws = white
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- ro = red
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- gn = green
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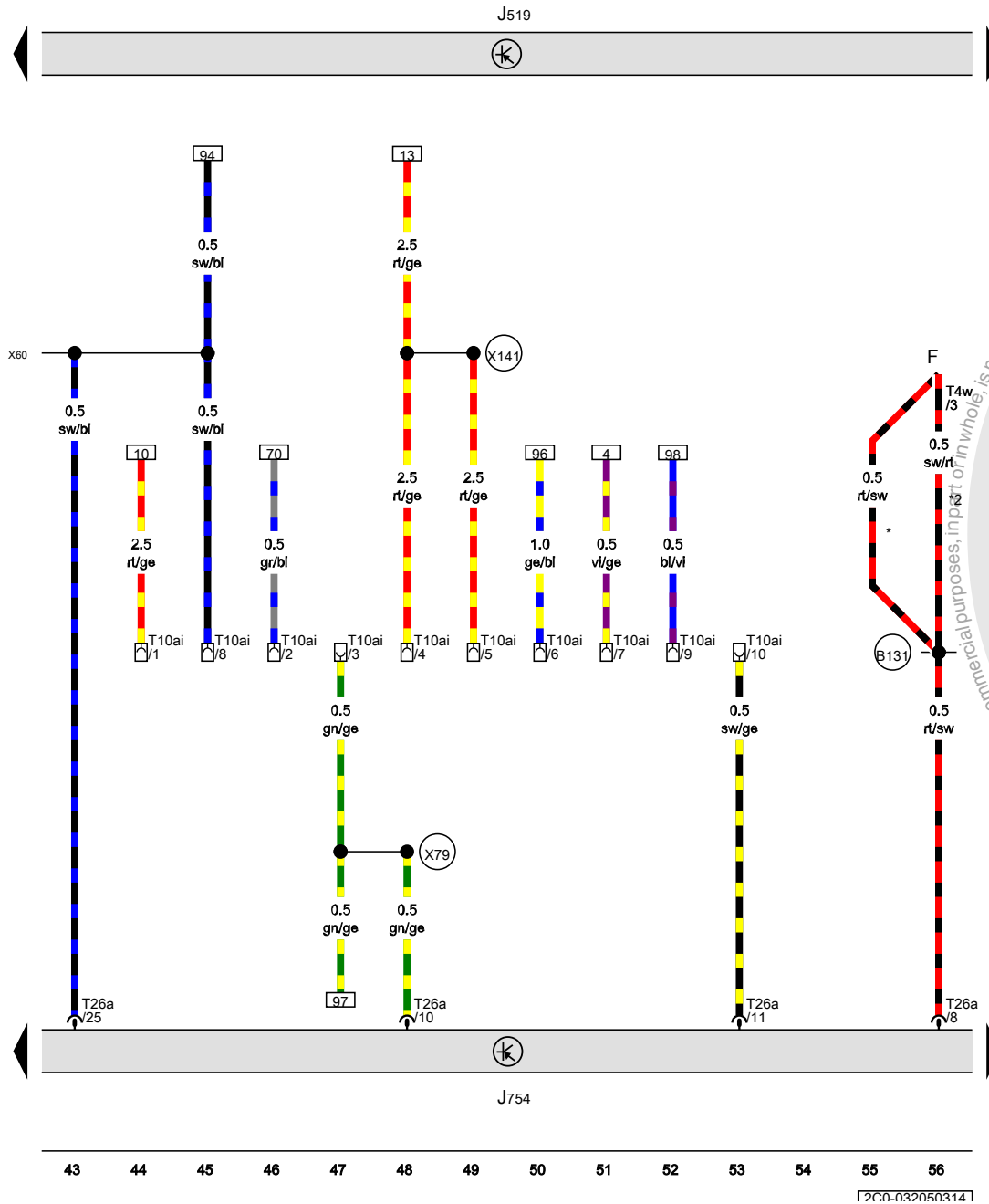
Accident data recorder button, Onboard supply control unit,
Accident data memory, Luggage compartment light on left



- E497 Accident data recorder button
- J519 Onboard supply control unit
- J754 Accident data memory
- K225 Accident recorder warning lamp
- L76 Button illumination bulb
- T3aa 3-pin connector
- T5v 5-pin connector
- T8c 8-pin connector, Coupling point for rear lid
- T26a 26-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W18 Luggage compartment light on left
- B154 Connection 1 (Dct), in interior wiring harness
- B243 Connection 4 (Dct), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B559 Positive connection 1 (30g) in main wiring harness
- B603 Positive connection 2 (30g) in main wiring harness
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- * Only models with start/stop system

ws = white
sw = black
ro = red
rt = red
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vi = purple
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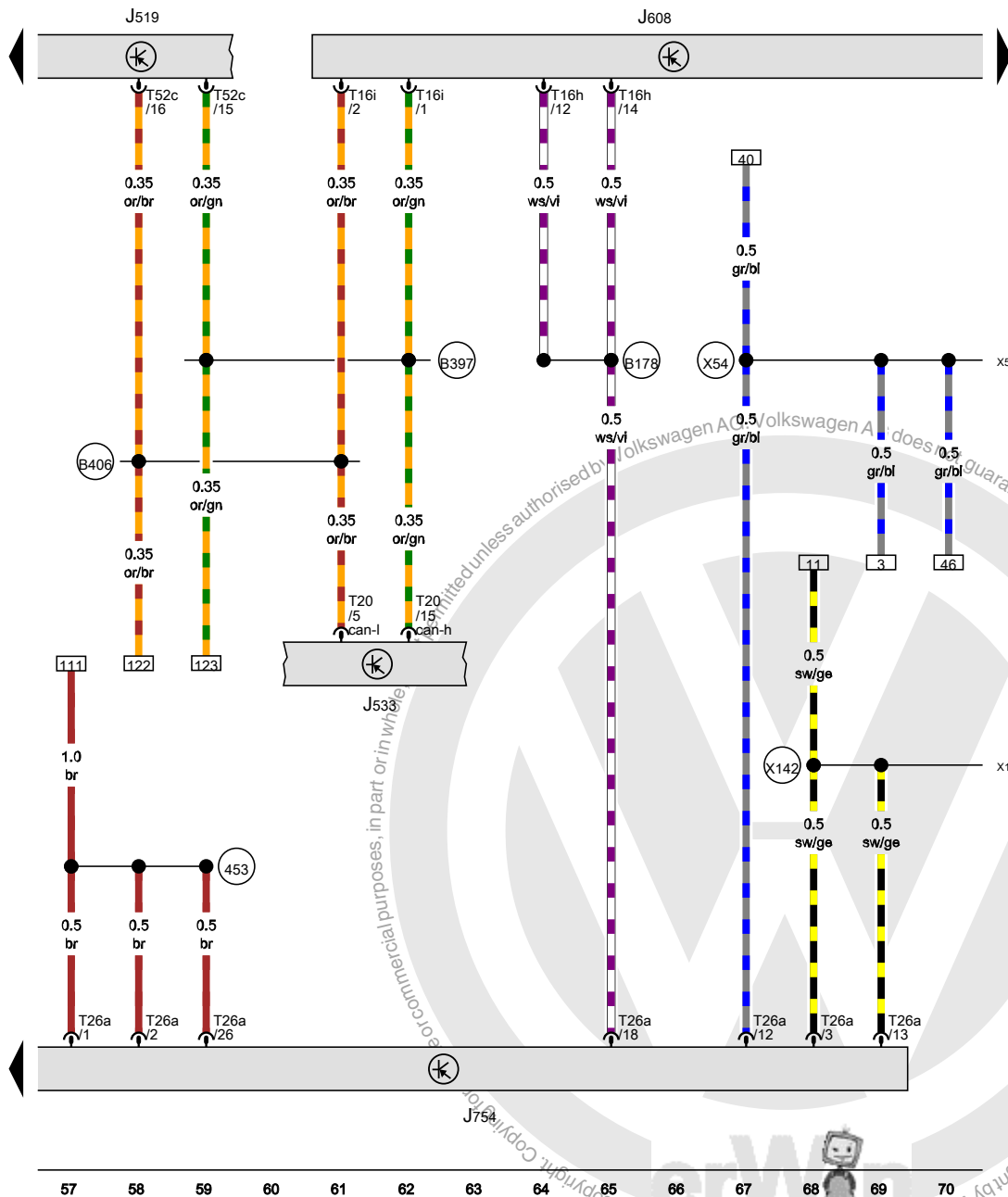
Onboard supply control unit, Accident data memory



- F Brake light switch
- J519 Onboard supply control unit
- J754 Accident data memory
- T4w 4-pin connector
- T10ai 10-pin connector, on right A-pillar
- T26a 26-pin connector
- B131 Connection (54), in interior wiring harness
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness
- X141 Positive connection 4 (30a) in siren system wiring harness
- * Up to April 2011
- *2 From May 2011

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

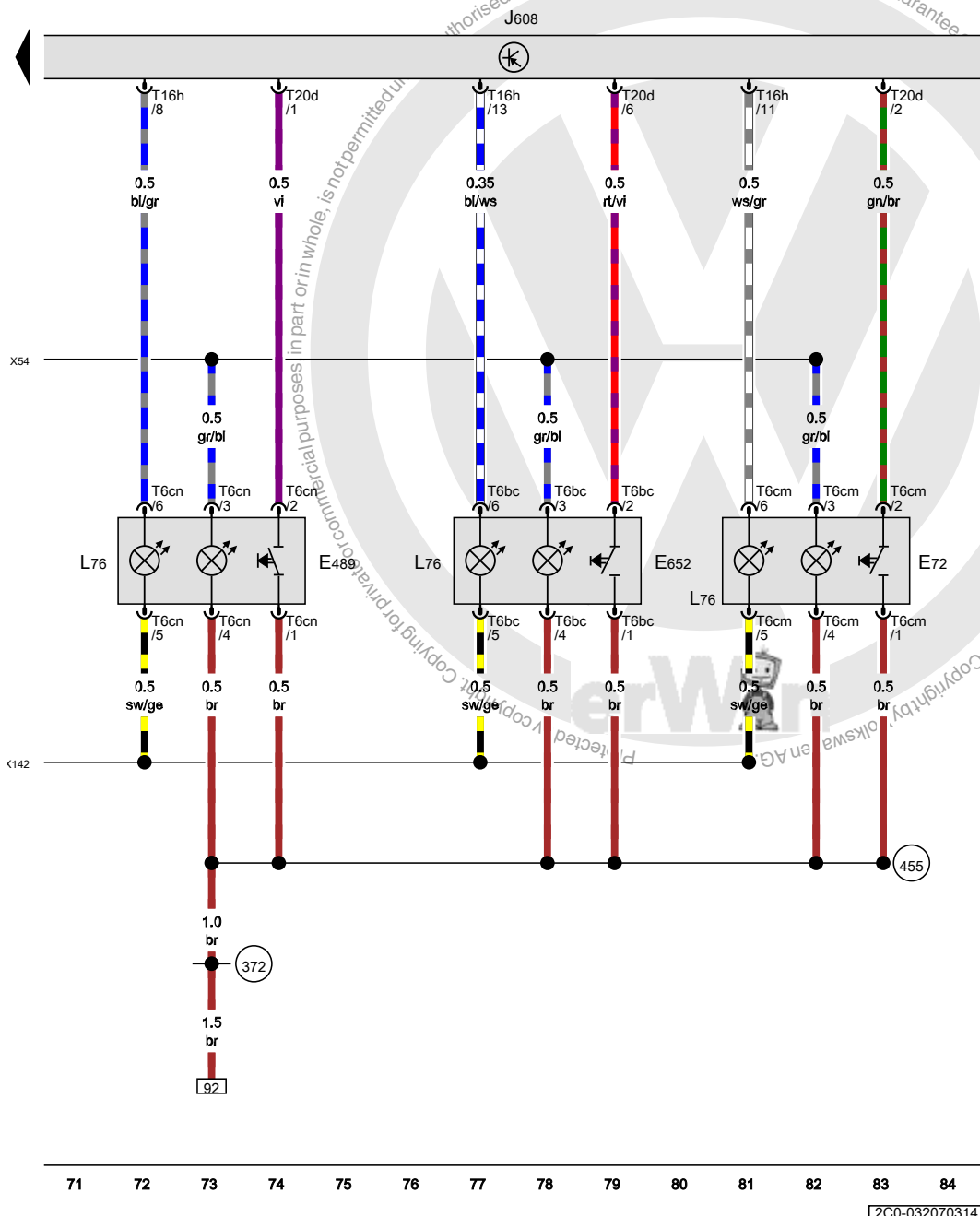
**Onboard supply control unit, Data bus diagnostic interface,
Special vehicle control unit, Accident data memory**



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J608 Special vehicle control unit, black
- J754 Accident data memory
- T16h 16-pin connector
- T16i 16-pin connector
- T20 20-pin connector, red
- T26a 26-pin connector
- T52c 52-pin connector

- (453) Earth connection 3, in optional equipment wiring harness
- (B178) Connection (speed signal), 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
- (X54) Positive connection (58), in optional equipment wiring harness
- (X142) Positive connection 3 (30), in optional equipment wiring harness

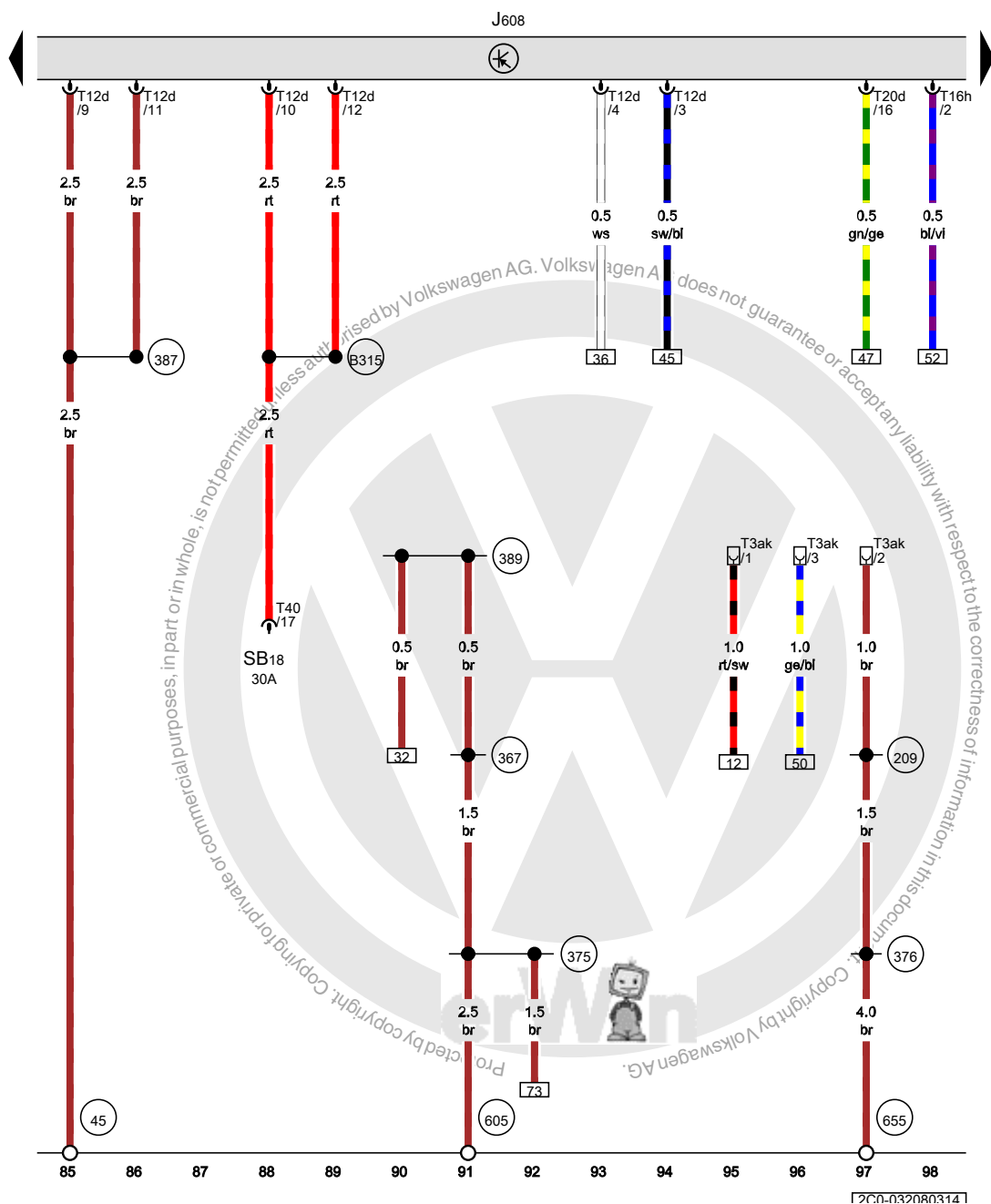
ws = white
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2-way radio switch, Ignition bypass button, Button for daytime running light switch-off, Special vehicle control unit

- E72 2-way radio switch
- E489 Ignition bypass button
- E652 Button for daytime running light switch-off
- J608 Special vehicle control unit, black
- L76 Button illumination bulb
- T6bc 6-pin connector
- T6cm 6-pin connector
- T6cn 6-pin connector
- T16h 16-pin connector
- T20d 20-pin connector

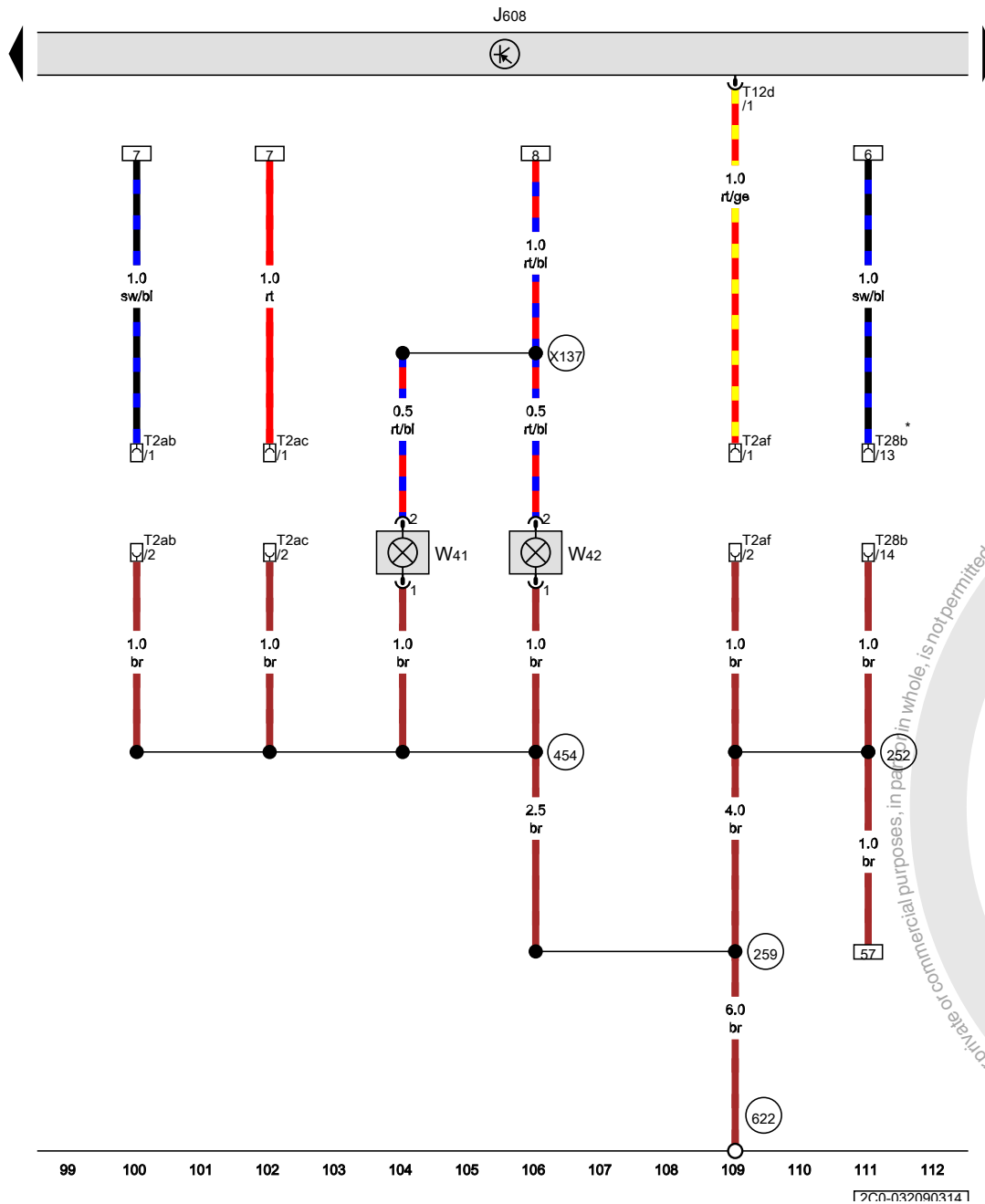
- 372 Earth connection 7, in main wiring harness
- 455 Earth connection 5, in optional equipment wiring harness
- X54 Positive connection (58), in optional equipment wiring harness
- X142 Positive connection 3 (30), in optional equipment wiring harness



Special vehicle control unit

- J608 Special vehicle control unit, black
- SB18 Fuse 18 on fuse holder B
- T3ak 3-pin connector, Coupling point for front speed camera
- T12d 12-pin connector
- T16h 16-pin connector
- T20d 20-pin connector
- T40 40-pin connector

- 45 Earth point, centre behind dash panel
- 209 Earth connection 6, in engine compartment wiring harness
- 367 Earth connection 2, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 389 Earth connection 24, in main wiring harness
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B315 Positive connection 1 (30a) in main wiring harness



Special vehicle control unit, Fluorescent light in rear of high roof, Fluorescent light in centre of high roof

- J608 Special vehicle control unit, black
- T2ab 2-pin connector, For charging station for electric torch, police
- T2ac 2-pin connector, For charging station for hand-held 2-way radio, police
- T2af 2-pin connector, Coupling point for 2-way radio
- T12d 12-pin connector
- T28b 28-pin connector, Right A-pillar
- W41 Fluorescent light in rear of high roof
- W42 Fluorescent light in centre of high roof

- 252 Earth connection, in optional equipment wiring harness
- 259 Earth connection 2, in optional equipment wiring harness
- 454 Earth connection 4, in optional equipment wiring harness
- 622 Earth point 1, earth plate
- X137 Positive connection 2 (30a) in siren system wiring harness
- * Connection for 2-way radio

- 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

Blocking diode, Steering column electronics control unit,
Special vehicle control unit

- J29 Blocking diode
J527 Steering column electronics control unit
J608 Special vehicle control unit, black
T16a 16-pin connector
T16h 16-pin connector

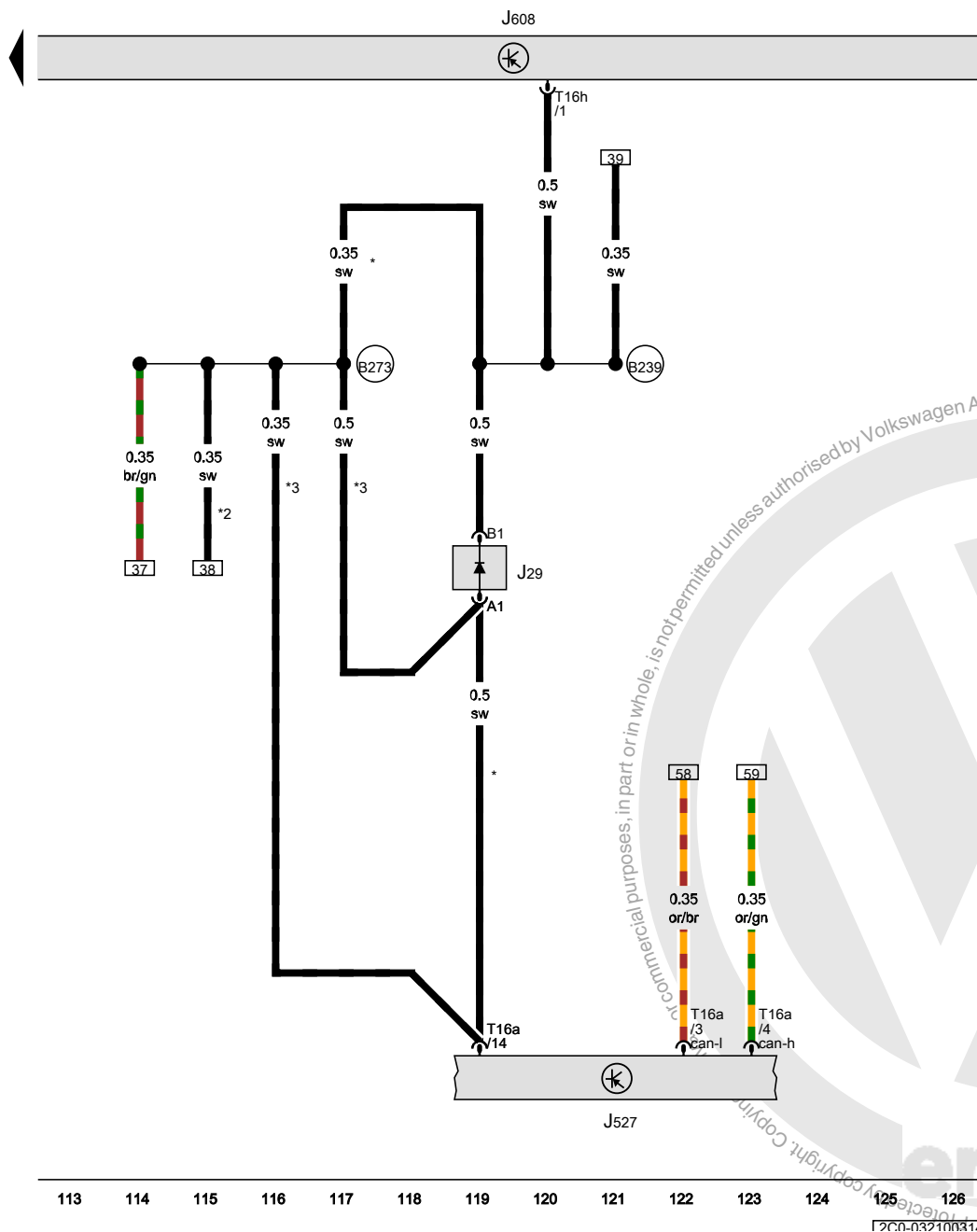
B239 Positive connection 1 (50), in interior wiring harness

B273 Positive connection (15), in main wiring harness

* Up to April 2011

*2 Only models with start/stop system

*3 From May 2011

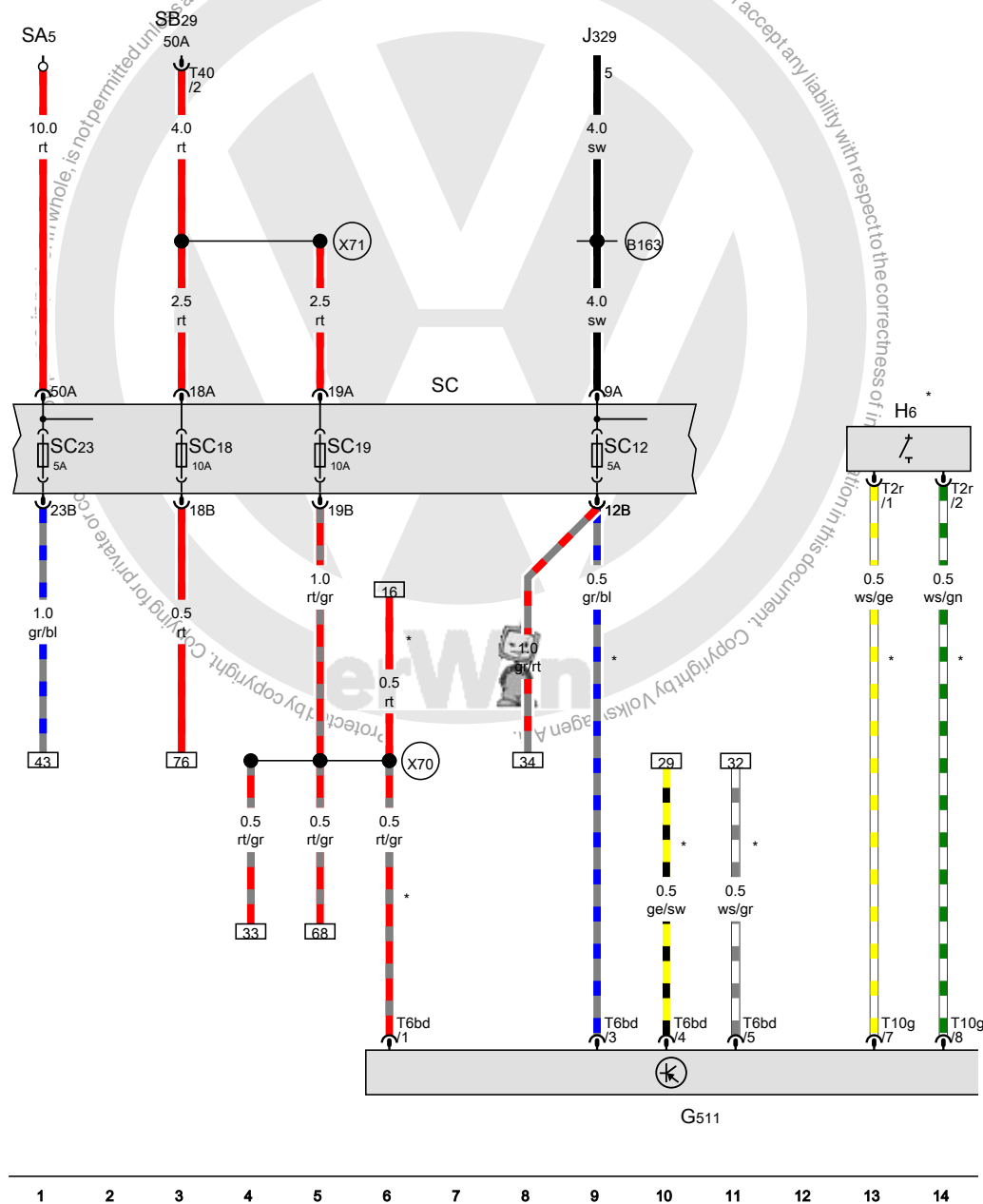


ws = white
sw = black
ro = red
rt = red
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gn = green
bl = blue
gr = grey
li = purple
vi = purple
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or = orange
rs = pink

Taxi equipment , (F5Z),(F4E)

From August 2010





Mirror taximeter, Contact in ignition and starter switch for ignition key warning system, Fuse 5 in fuse holder A, Fuse holder C

- G511 Mirror taximeter
- H6 Contact in ignition and starter switch for ignition key warning system
- J329 Terminal 15 voltage supply relay
- SA5 Fuse 5 in fuse holder A
- SB29 Fuse 29 on fuse holder B
- SC Fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T2r 2-pin connector
- T6bd 6-pin connector
- T10g 10-pin connector
- T40 40-pin connector

B163 Positive connection 1 (15), in interior wiring harness

X70 Connection 2, in taxi wiring harness

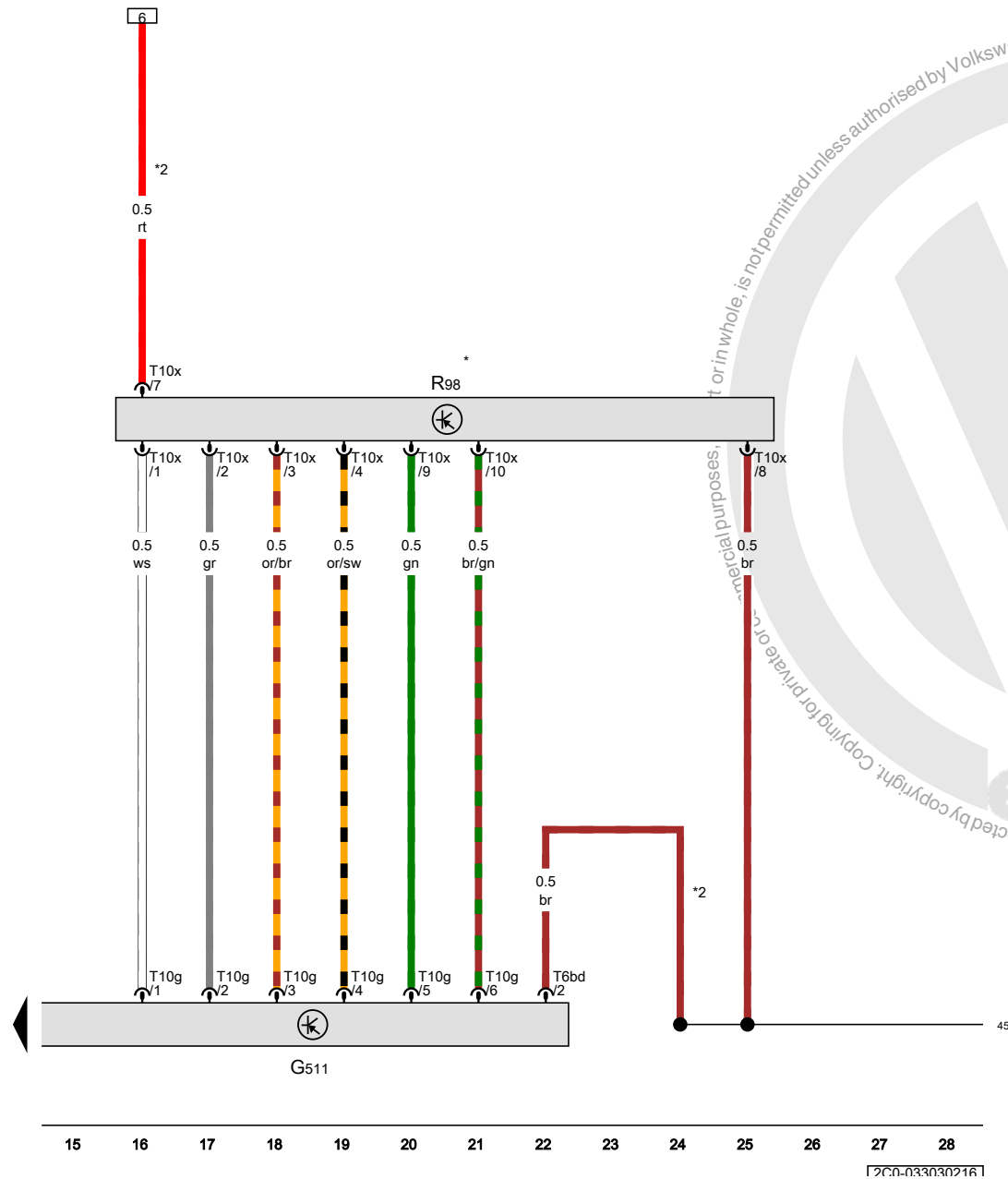
X71 Connection 3, in taxi wiring harness

* Only models with mirror taximeter

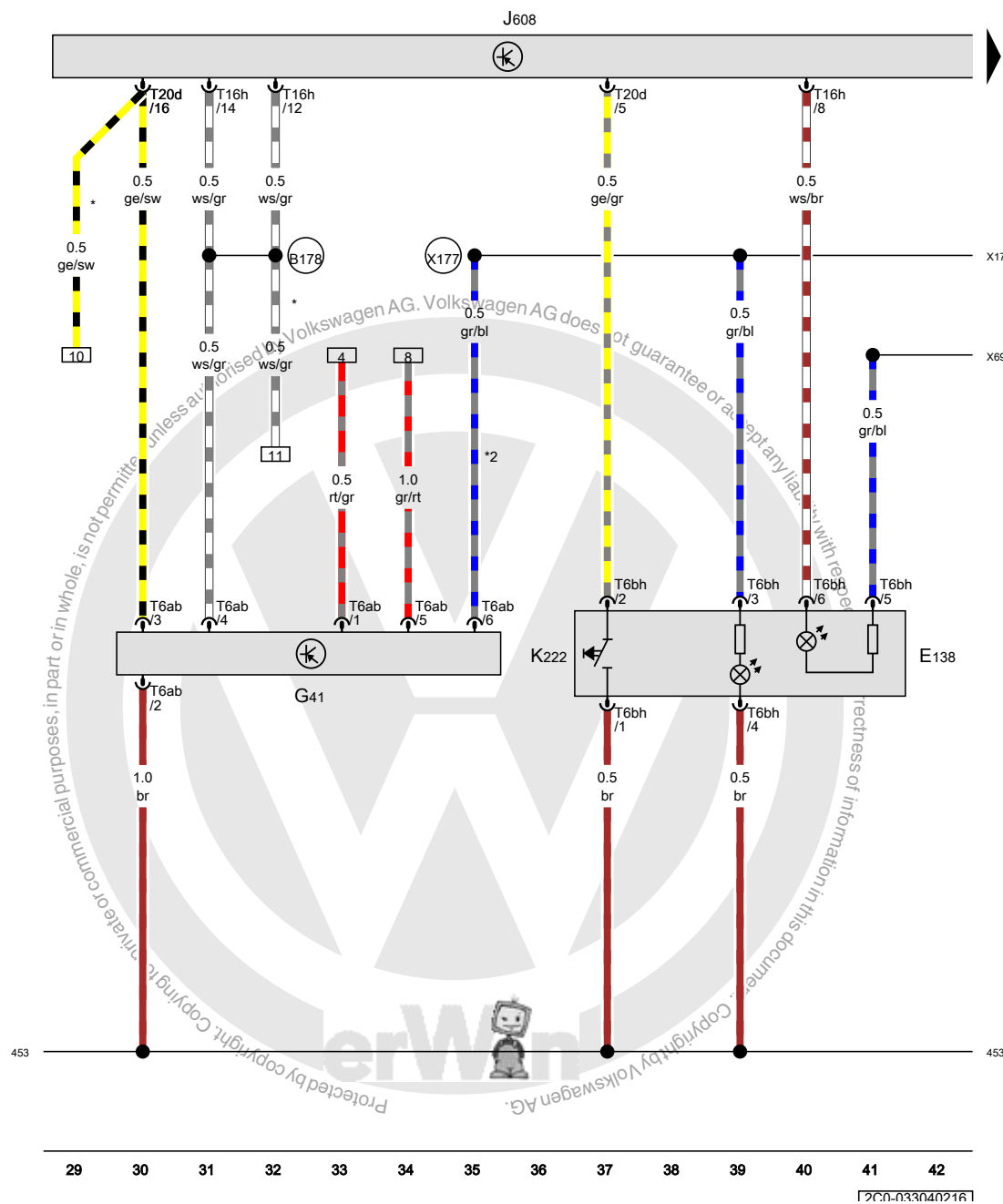
- ws = white
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- gr = grey
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- vi = purple
- ge = yellow
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- rs = pink

Mirror taximeter, Printer

- G511 Mirror taximeter
- R98 Printer, in glove compartment
- T6bd 6-pin connector
- T10g 10-pin connector
- T10x 10-pin connector
- 453 Earth connection 3, in optional equipment wiring harness
- * Special equipment
- *2 Only models with mirror taximeter



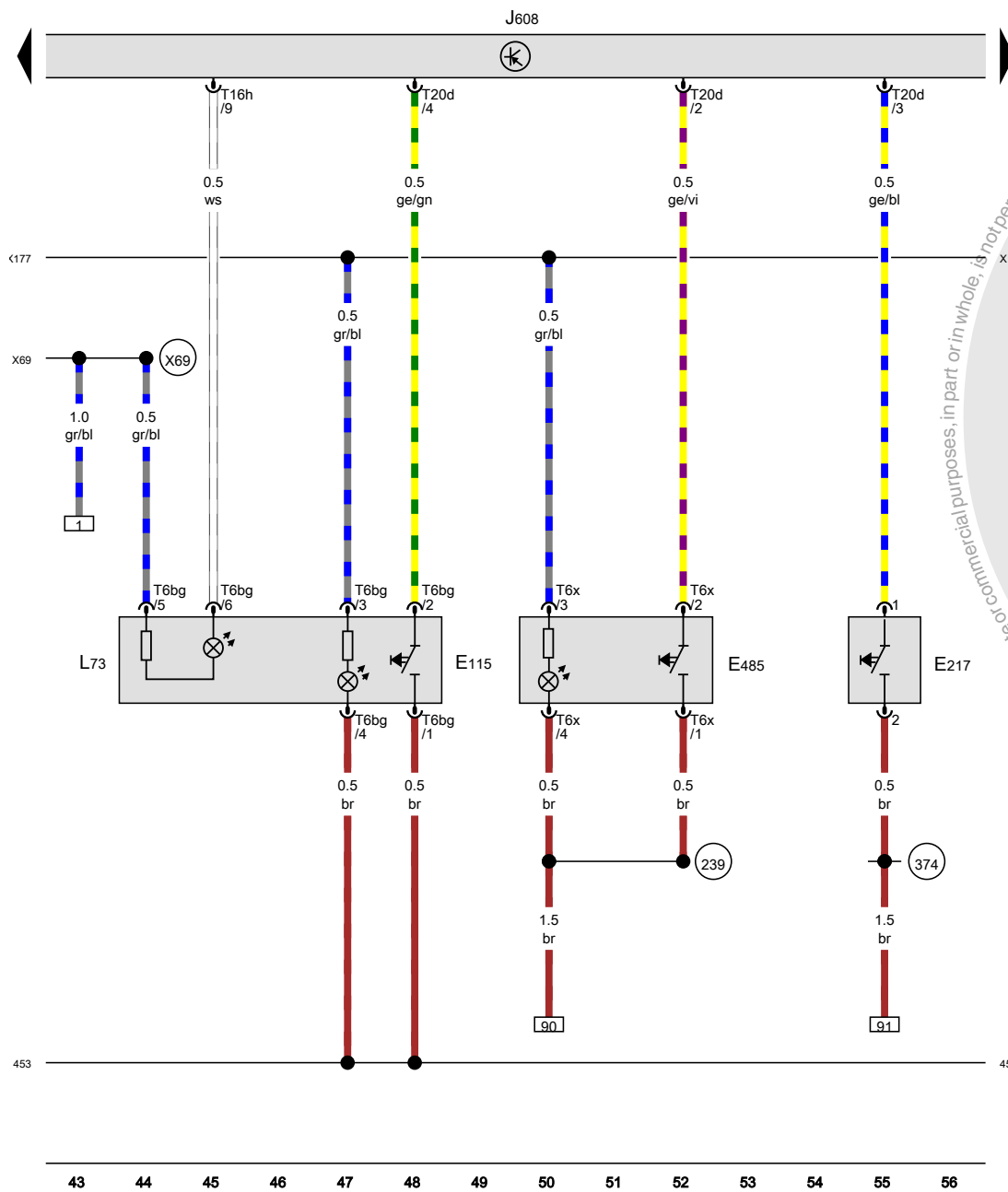
Taxi sign switch, Taximeter, Special vehicle control unit



- E138 Taxi sign switch
- G41 Taximeter
- J608 Special vehicle control unit, black
- K222 Taxi roof sign warning lamp
- T6ab 6-pin connector
- T6bh 6-pin connector
- T16h 16-pin connector
- T20d 20-pin connector

- (453) Earth connection 3, in optional equipment wiring harness
- (B178) Connection (speed signal), in interior wiring harness
- (X69) Connection 1, in taxi wiring harness
- (X177) Connection (58d), in taxi wiring harness

- * Only models with mirror taximeter
- *2 From November 2013

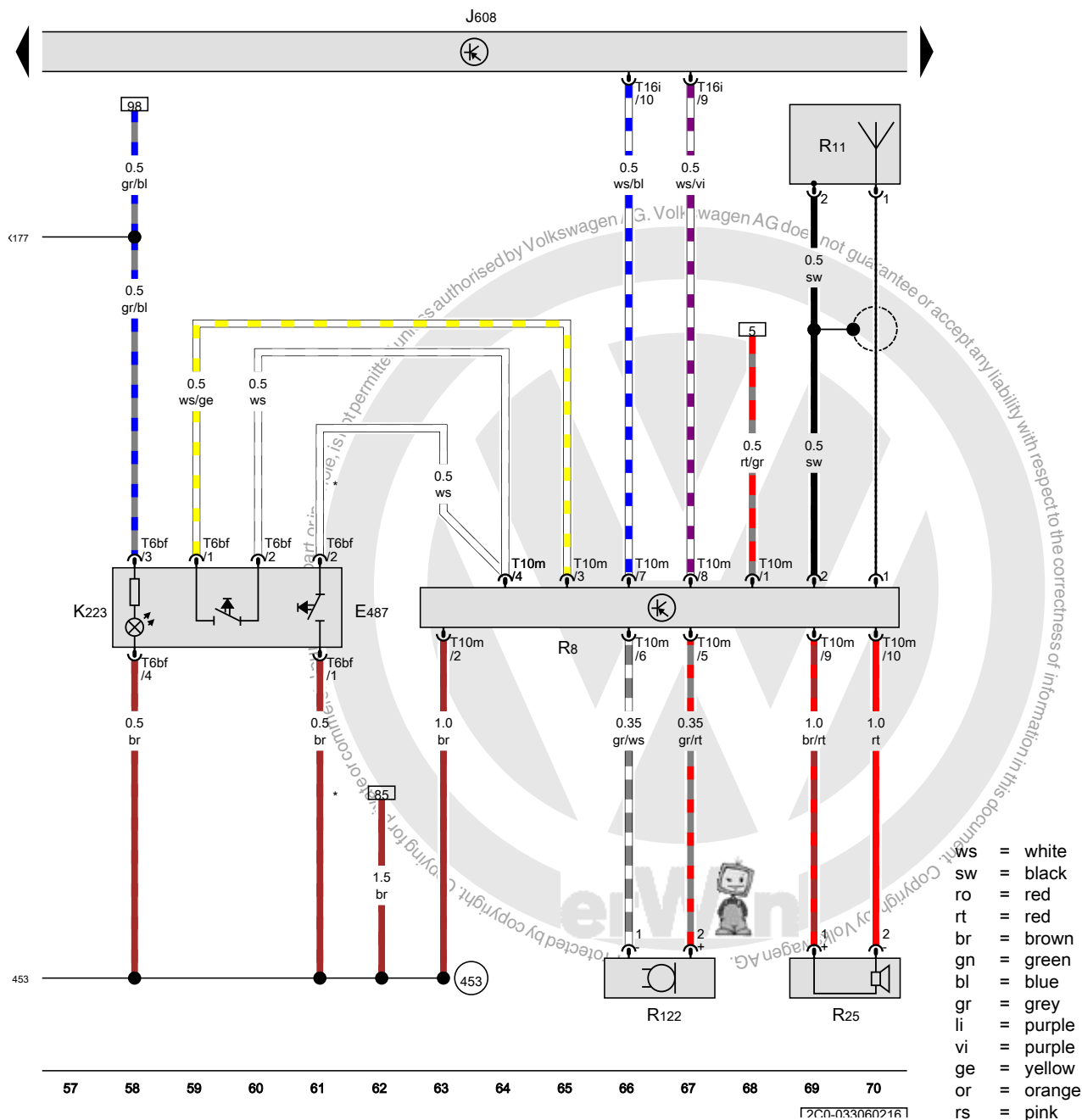


Interior light switch (taxi), Alarm system off switch, Taxi alarm active button, Special vehicle control unit

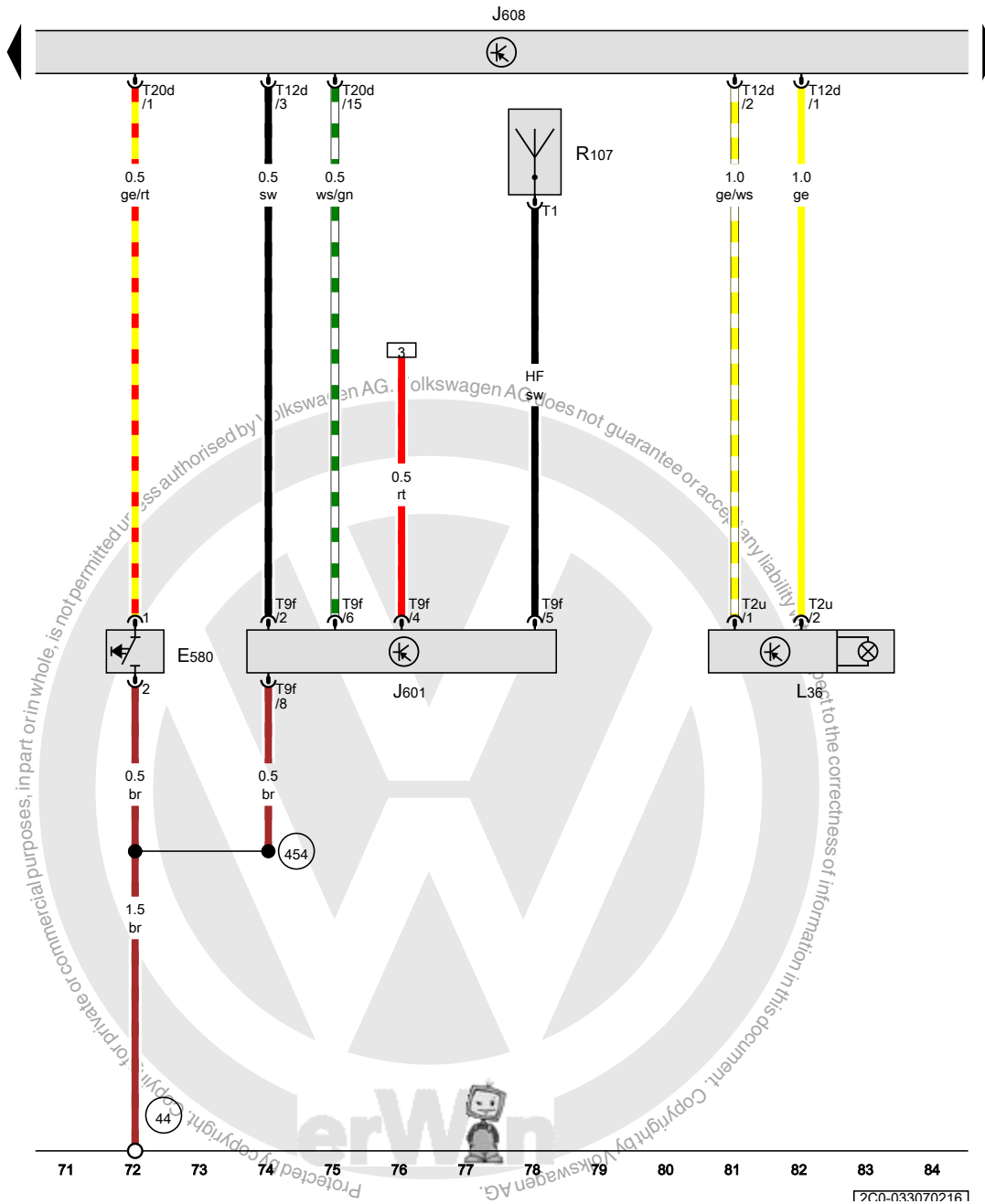
- E115 Interior light switch (taxi)
- E217 Alarm system off switch
- E485 Taxi alarm active button
- J608 Special vehicle control unit, black
- L73 Interior light switch illumination bulb (taxi)
- T6bg 6-pin connector
- T6x 6-pin connector
- T16h 16-pin connector
- T20d 20-pin connector
- 239 Earth connection, in taxi alarm system wiring harness
- 374 Earth connection 9, in main wiring harness
- 453 Earth connection 3, in optional equipment wiring harness
- X69 Connection 1, in taxi wiring harness
- X177 Connection (58d), in taxi wiring harness

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 sw = black
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 br = brown
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 gr = grey
 li = purple
 vi = purple
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 or = orange
 rs = pink

Hands-free system button, Special vehicle control unit, Two-way radio, Aerial



- E487 Hands-free system button
- J608 Special vehicle control unit, black
- K223 Hands-free system warning lamp
- R8 Two-way radio
- R11 Aerial
- R25 Two-way radio loudspeaker
- R122 2-way radio unit microphone
- T6bf 6-pin connector
- T10m 10-pin connector
- T16i 16-pin connector
- 453 Earth connection 3, in optional equipment wiring harness
- X177 Connection (58d), in taxi wiring harness
- * Only models with mirror taximeter



Passive Taxi alarm button, Taxi alarm remote control, control unit, Special vehicle control unit, Taxi roof sign light bulb

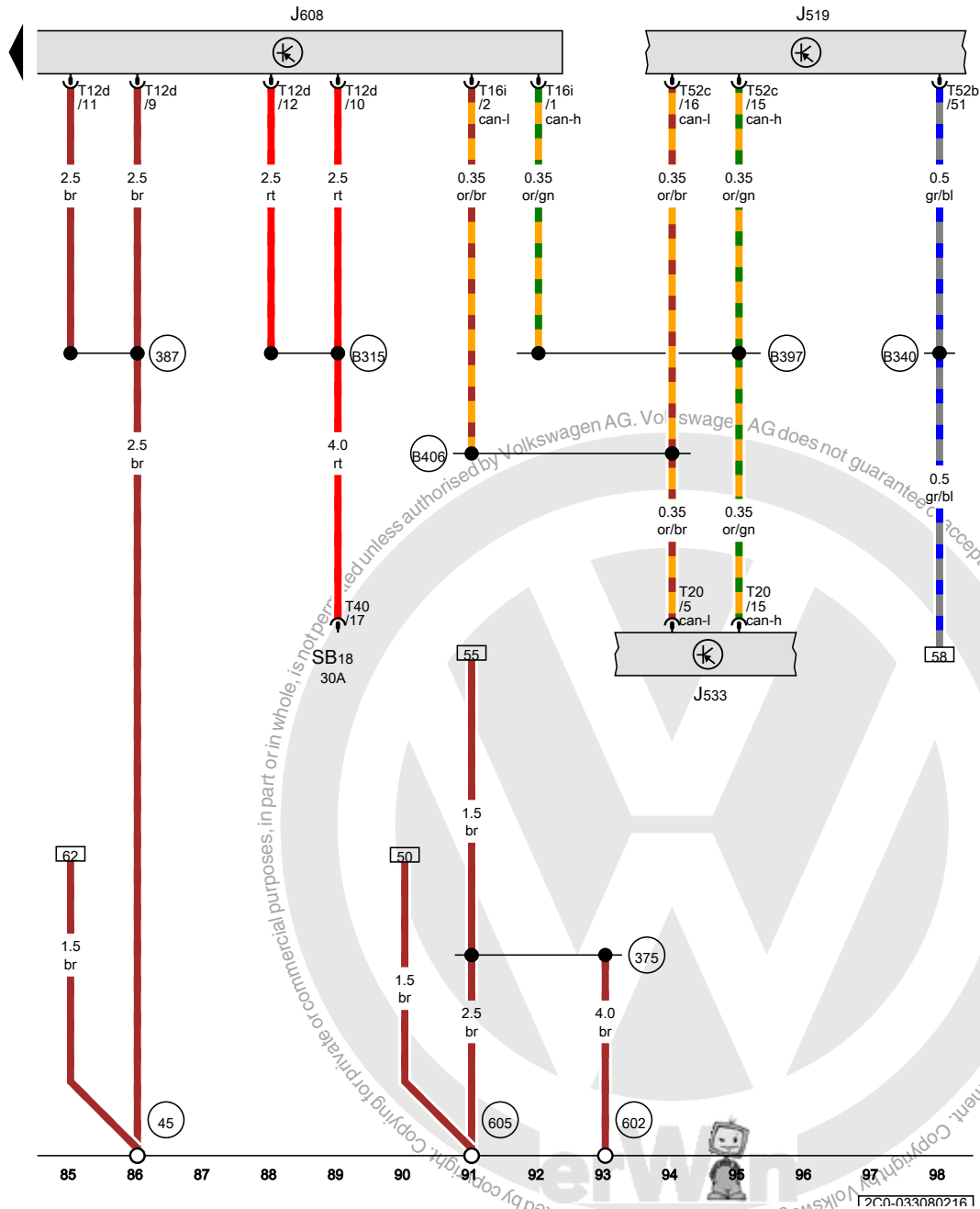
- E580 Passive Taxi alarm button
- J601 Taxi alarm remote control, control unit
- J608 Special vehicle control unit, black
- L36 Taxi roof sign light bulb
- R107 Remote controlled taxi alarm aerial
- T1 1-pin connector
- T2u 2-pin connector
- T9f 9-pin connector
- T12d 12-pin connector
- T20d 20-pin connector

44 Earth point, lower part of left A-pillar

454 Earth connection 4, in optional equipment wiring harness

- ws = white
- sw = black
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- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = purple
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- rs = pink

**Onboard supply control unit, Data bus diagnostic interface,
Special vehicle control unit**



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J608 Special vehicle control unit, black
- SB18 Fuse 18 on fuse holder B
- T12d 12-pin connector
- T16i 16-pin connector
- T20 20-pin connector, red
- T40 40-pin connector
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 45 Earth point, centre behind dash panel
- 375 Earth connection 10, in main wiring harness
- 387 Earth connection 22, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B315 Positive connection 1 (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

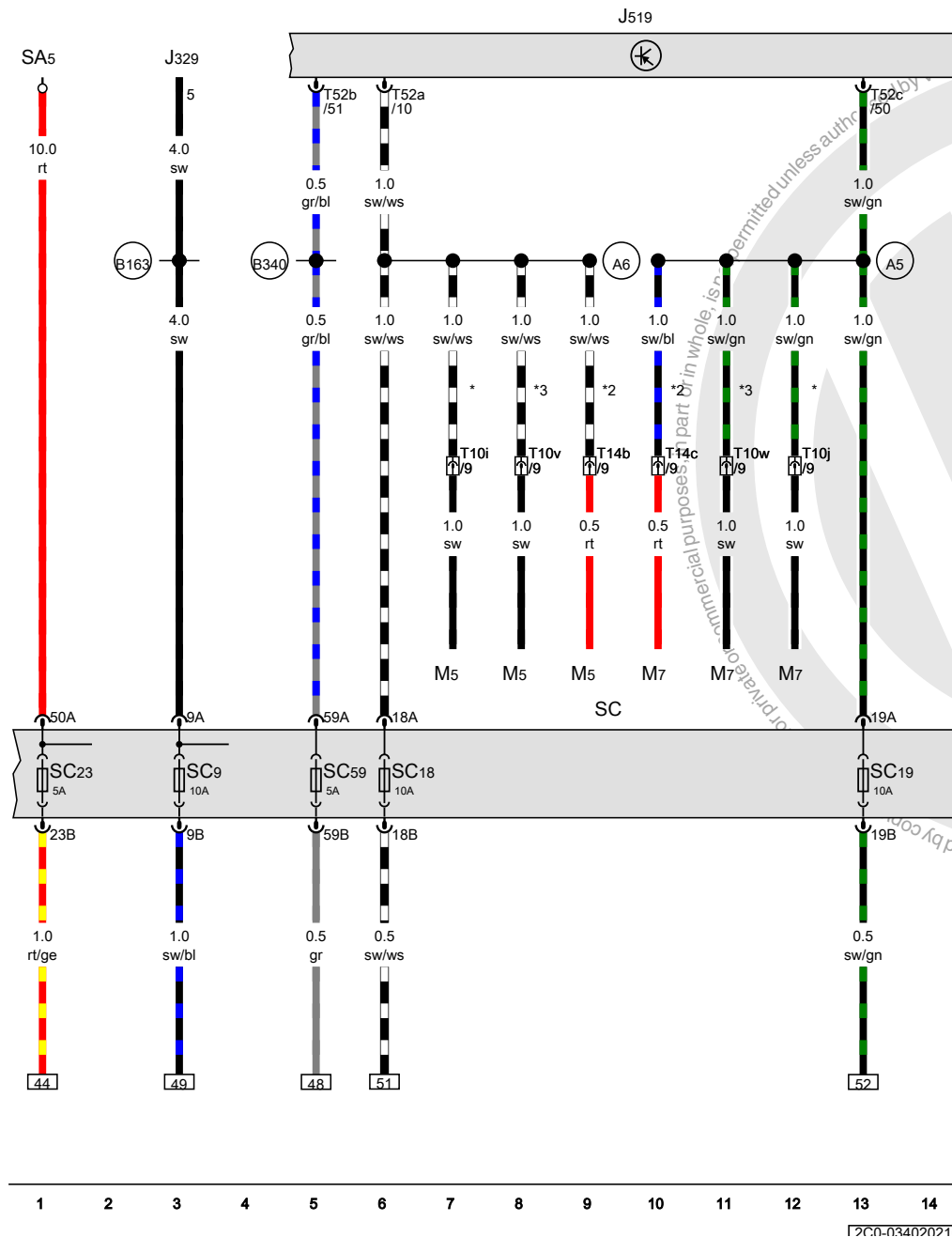
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = purple
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- rs = pink

Interface for external use , (UF1)

From August 2010



Onboard supply control unit, Fuse 5 in fuse holder A, Fuse holder C



- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- SA5 Fuse 5 in fuse holder A
- SC Fuse holder C
- SC9 Fuse 9 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- SC19 Fuse 19 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- T10i 10-pin connector, on left headlight
- T10j 10-pin connector, on right headlight
- T10v 10-pin connector, on left headlight, black
- T10w 10-pin connector, on right headlight, black
- T14b 14-pin connector, on left headlight, black
- T14c 14-pin connector, on right headlight, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- A5 Positive connection (right turn signal), in dash panel wiring harness
- A6 Positive connection (left turn signal), in dash panel wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with H4 headlights
- *2 Headlight with gas discharge light
- *3 Only models with H7 headlights

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

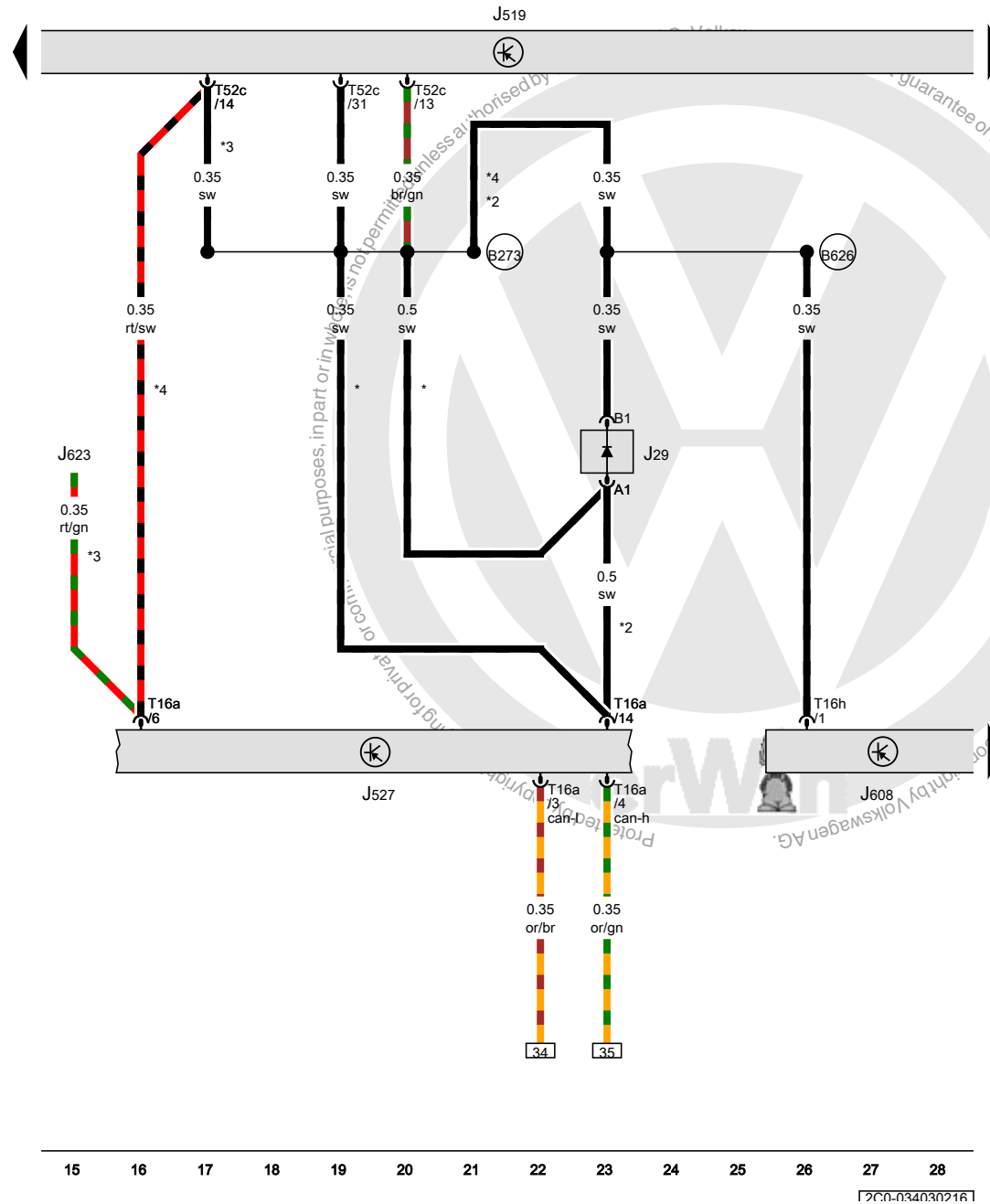
Blocking diode, Onboard supply control unit, Steering column electronics control unit, Special vehicle control unit

- J29 Blocking diode
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J608 Special vehicle control unit
- J623 Engine control unit
- T16a 16-pin connector, black
- T16h 16-pin connector, black
- T52c 52-pin connector, brown

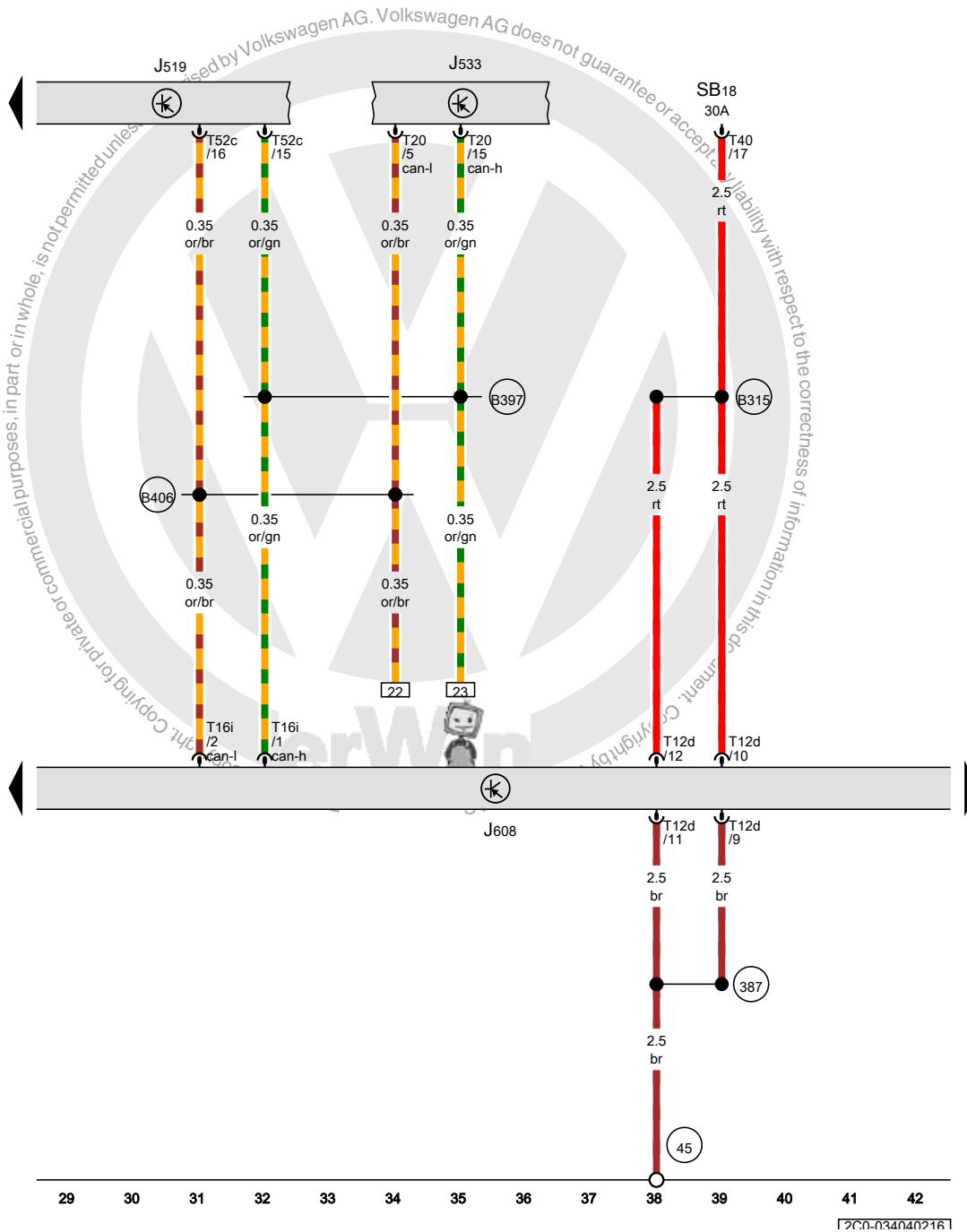
B273 Positive connection (15), in main wiring harness

B626 Positive connection 2 (15), in main wiring harness

- * From May 2011
- *2 Up to April 2011
- *3 Only models with start/stop system
- *4 Only models with no start/stop system



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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Data bus diagnostic interface, Special vehicle control unit

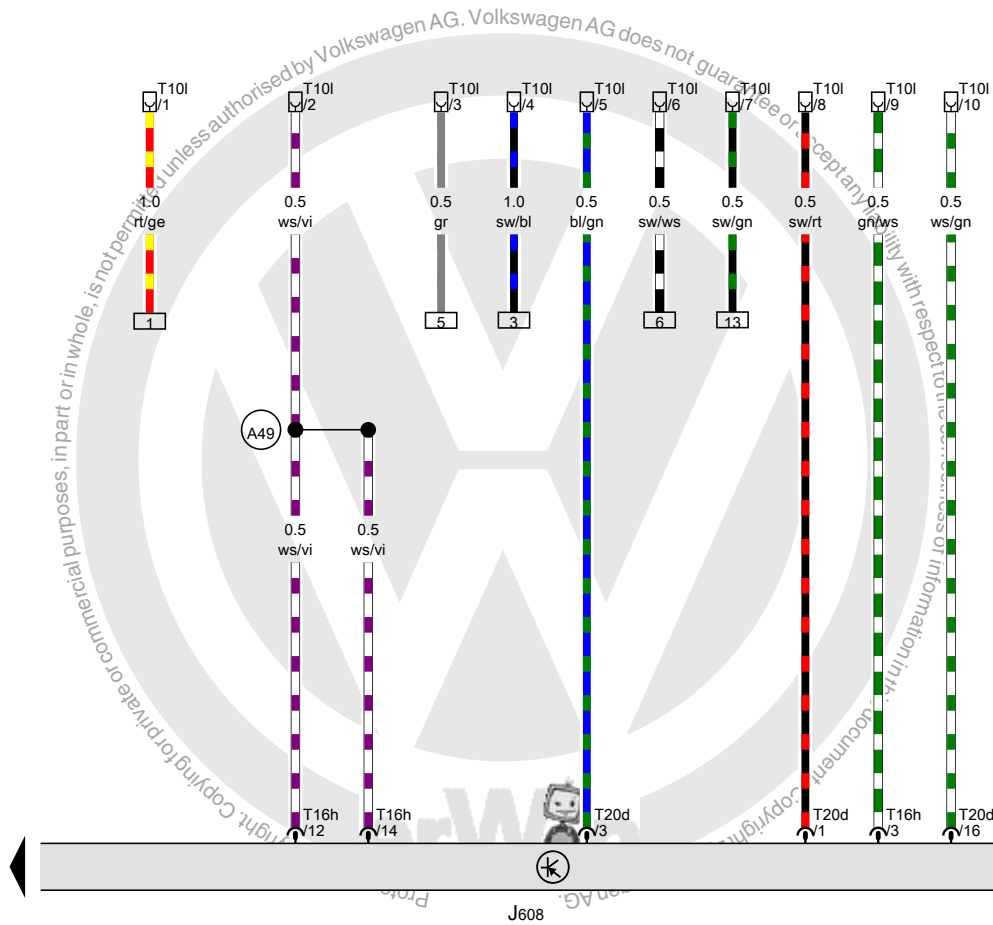
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J608 Special vehicle control unit
- SB18 Fuse 18 on fuse holder B
- T12d 12-pin connector, black
- T16i 16-pin connector, brown
- T20 20-pin connector, red
- T40 40-pin connector
- T52c 52-pin connector, brown

- 45 Earth point, centre behind dash panel
- 387 Earth connection 22, in main wiring harness
- B315 Positive connection 1 (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

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

Special vehicle control unit

- J608 Special vehicle control unit
- T10l 10-pin connector
- T16h 16-pin connector, black
- T20d 20-pin connector, red
- A49 Connection 1, in dash panel wiring harness



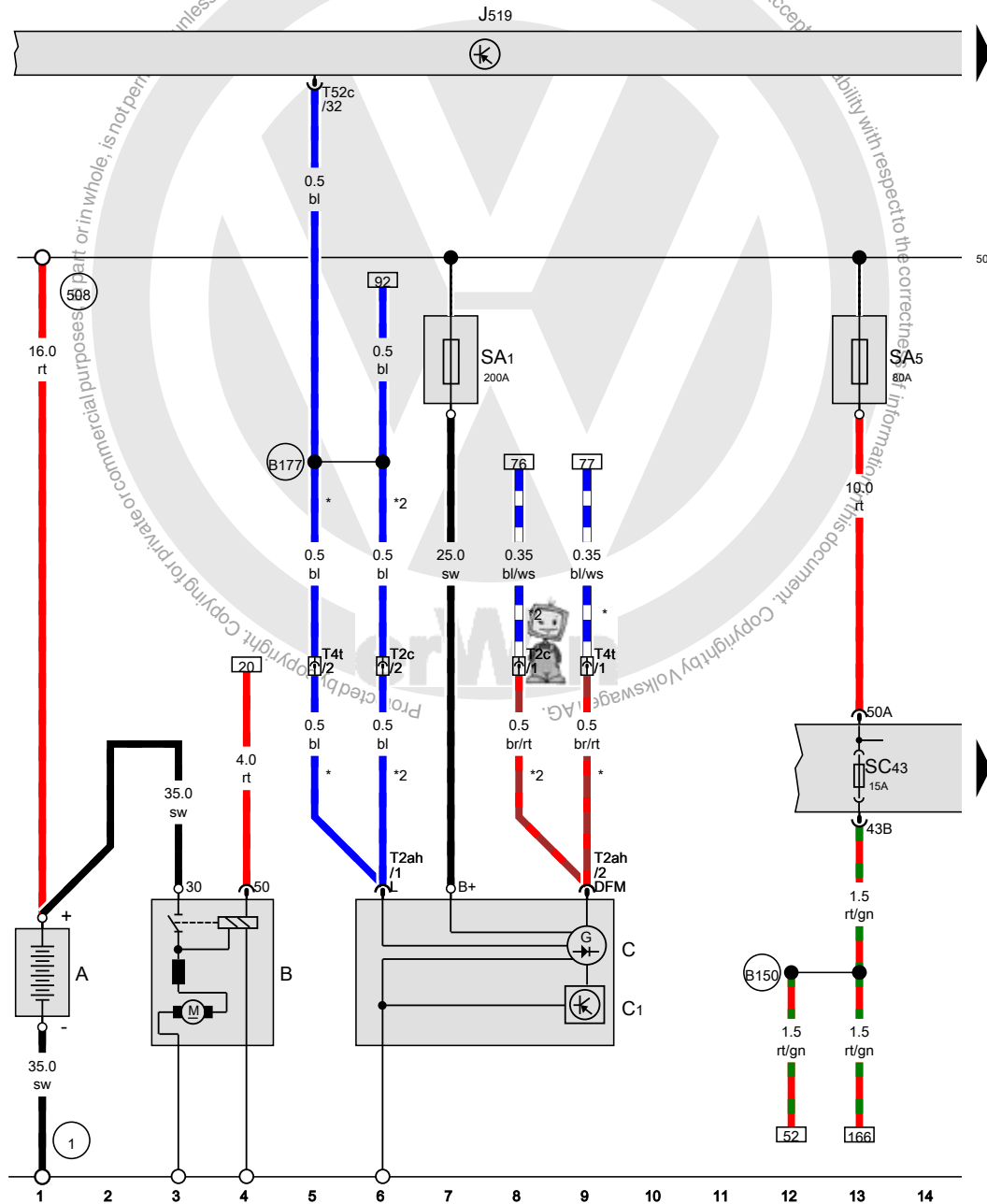
- ws = white
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- ro = red
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- bl = blue
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- rs = pink

2.0l diesel engine , CFHC,CFHE,CFHF,CLCA

From May 2011



**Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C**

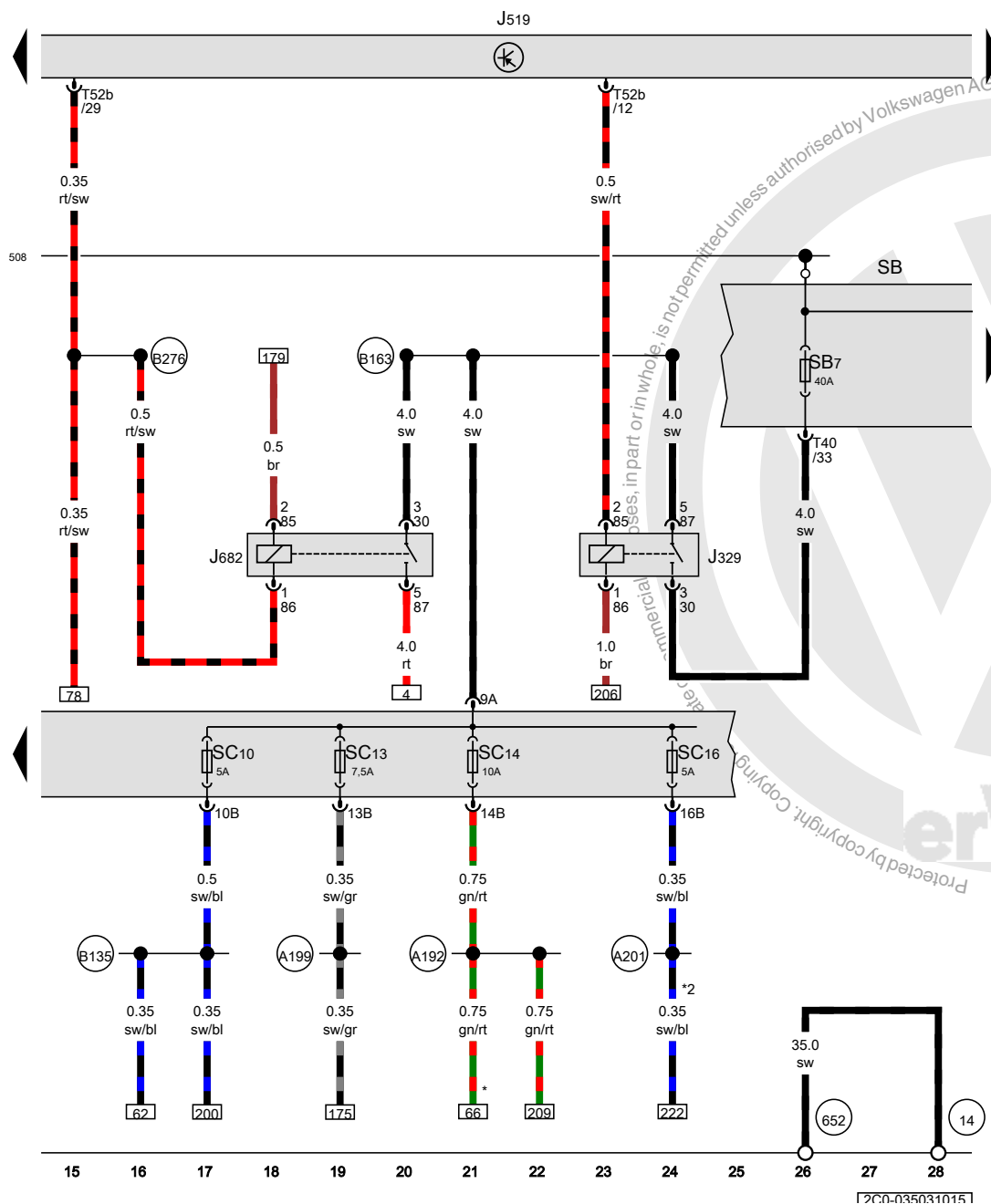


- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown

- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- B150 Positive connection 2 (30a), in interior wiring harness
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

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

12C0-0350210151



Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness

- * Only models with crankcase breather heater element
- *2 Only models with flexible service interval display

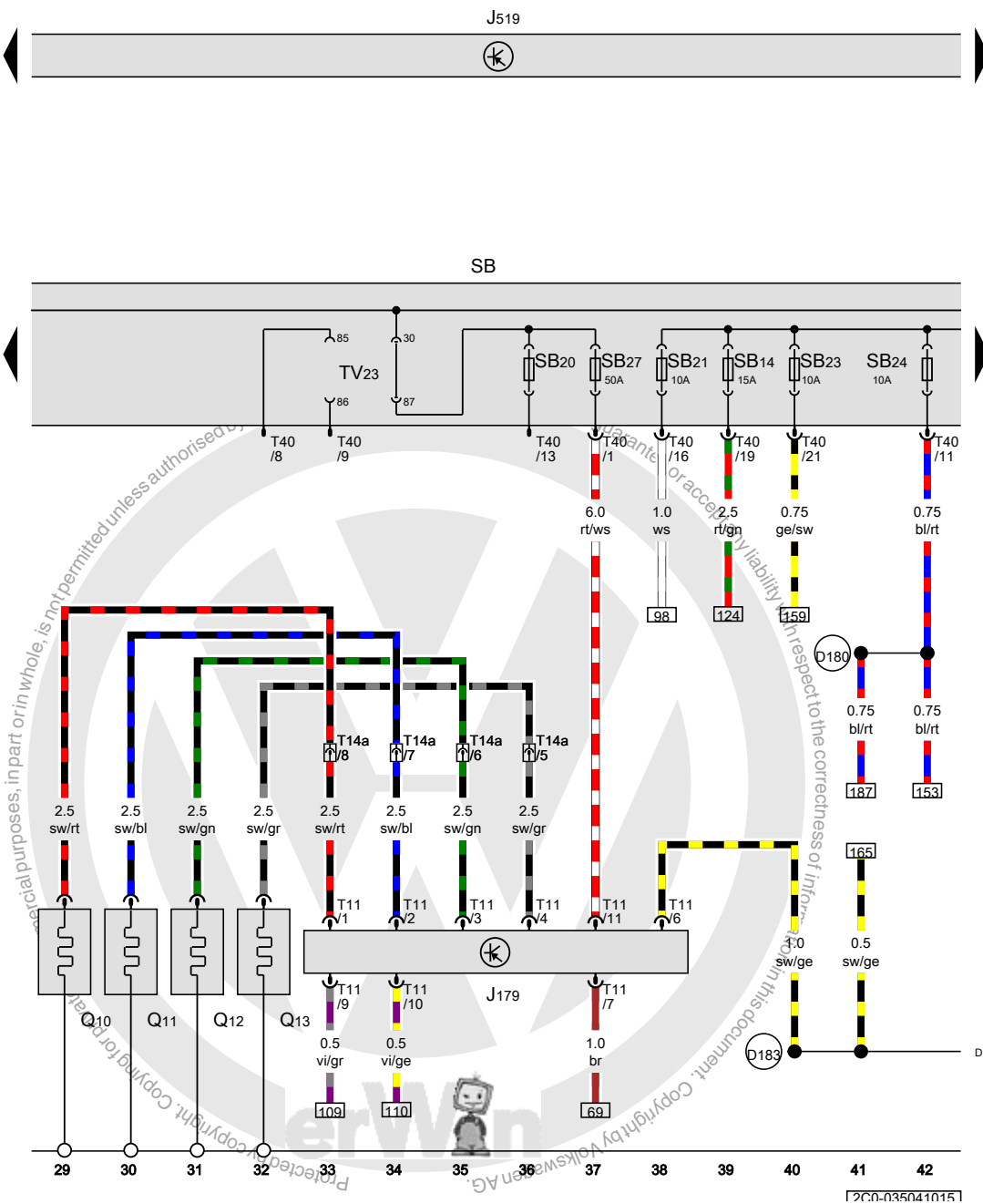
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 vi = purple
 ge = yellow
 or = orange
 rs = pink

Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge

- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector

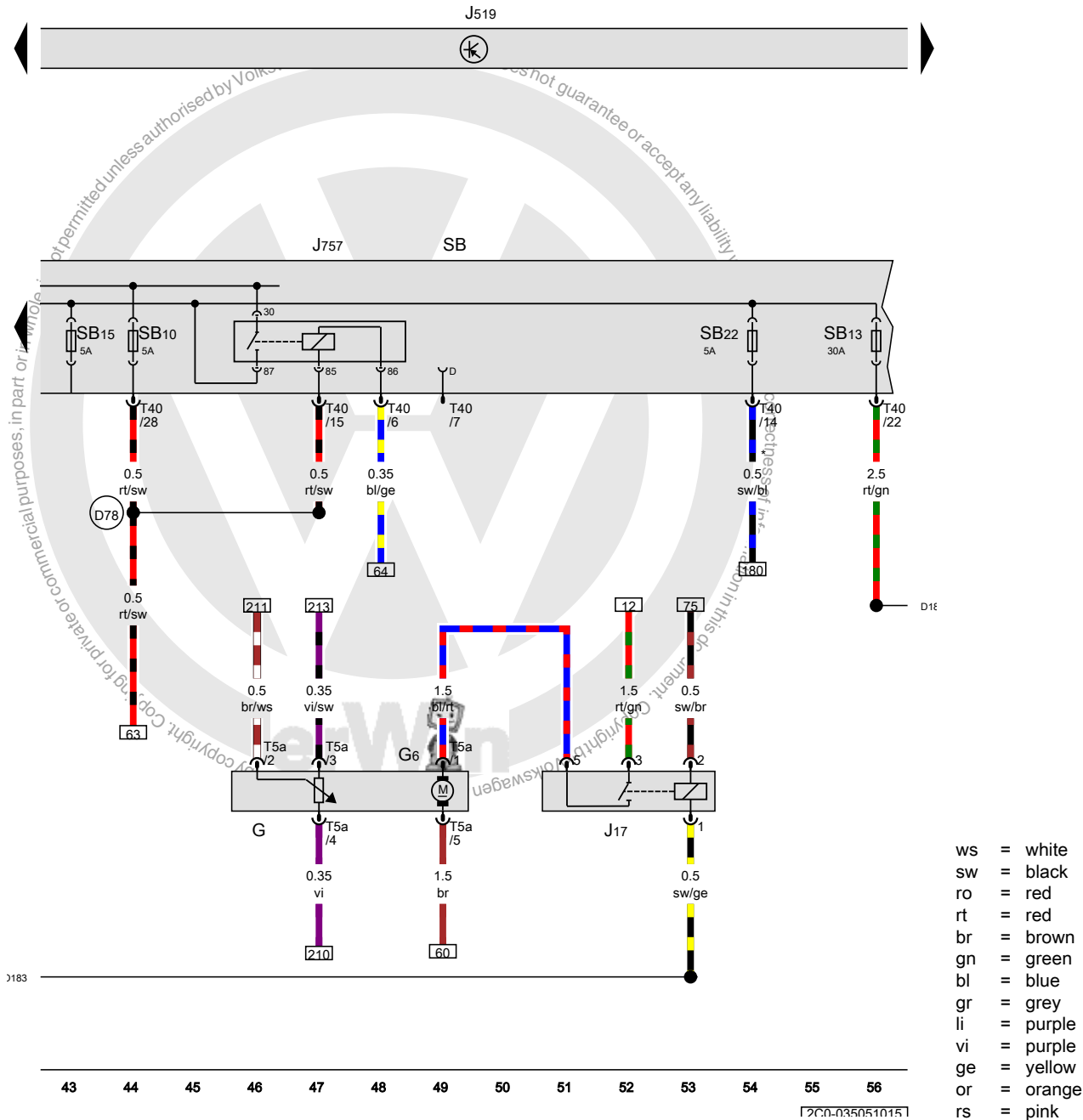
D180 Connection (87a), in engine compartment wiring harness

D183 Connection 4 (87a) in engine compartment wiring harness

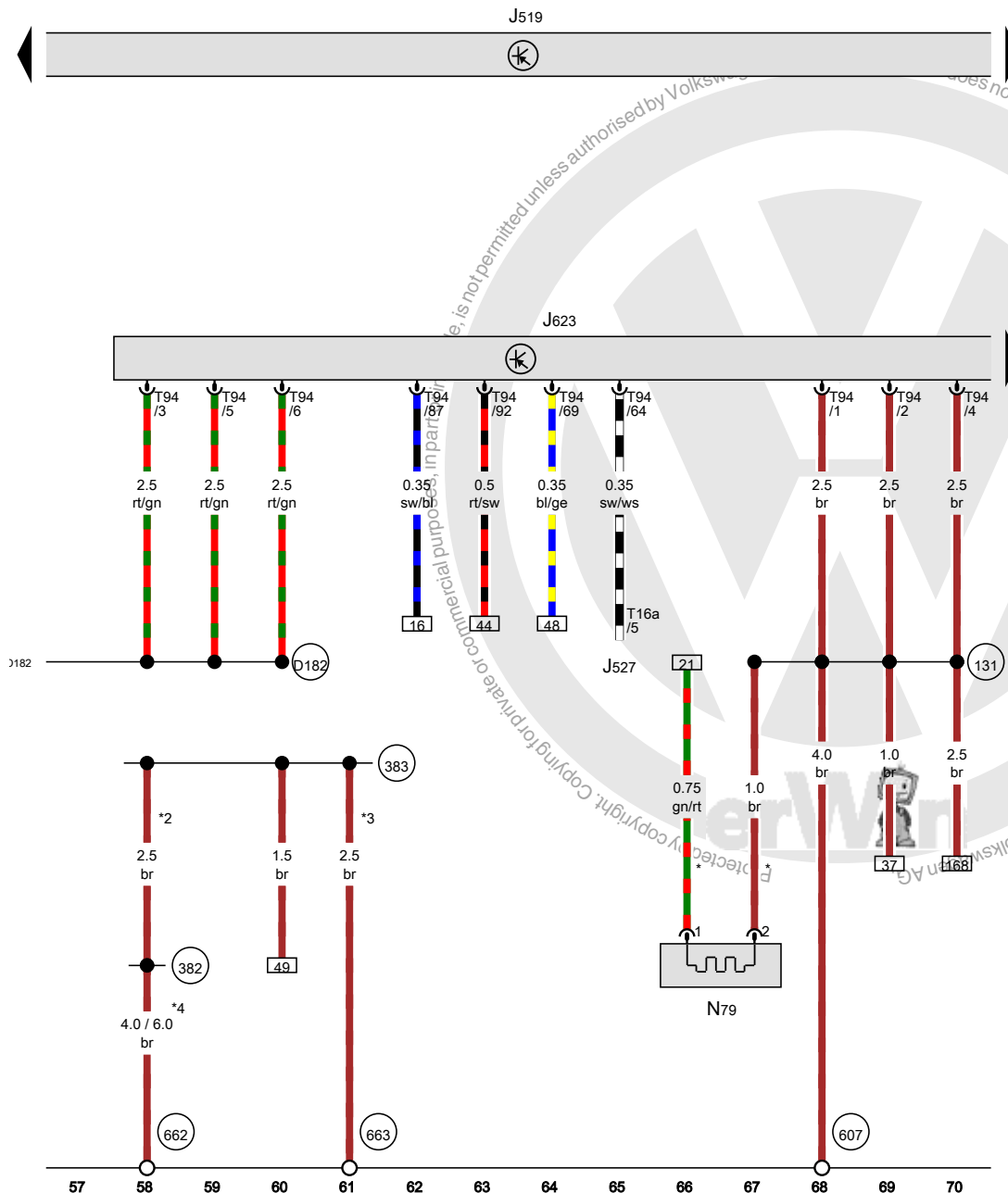


Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Engine component current supply relay, Fuse holder B

- | | |
|------|---|
| G | Fuel gauge sender |
| G6 | Fuel system pressurisation pump |
| J17 | Fuel pump relay |
| J519 | Onboard supply control unit |
| J757 | Engine component current supply relay |
| SB | Fuse holder B |
| SB10 | Fuse 10 on fuse holder B |
| SB13 | Fuse 13 on fuse holder B |
| SB15 | Fuse 15 on fuse holder B |
| SB22 | Fuse 22 on fuse holder B |
| T5a | 5-pin connector, black |
| T40 | 40-pin connector |
| D78 | Positive connection 1 (30a), in engine compartment wiring harness |
| D182 | Connection 3 (87a) in engine compartment wiring harness |
| D183 | Connection 4 (87a) in engine compartment wiring harness |
| * | Only models with manual gearbox |

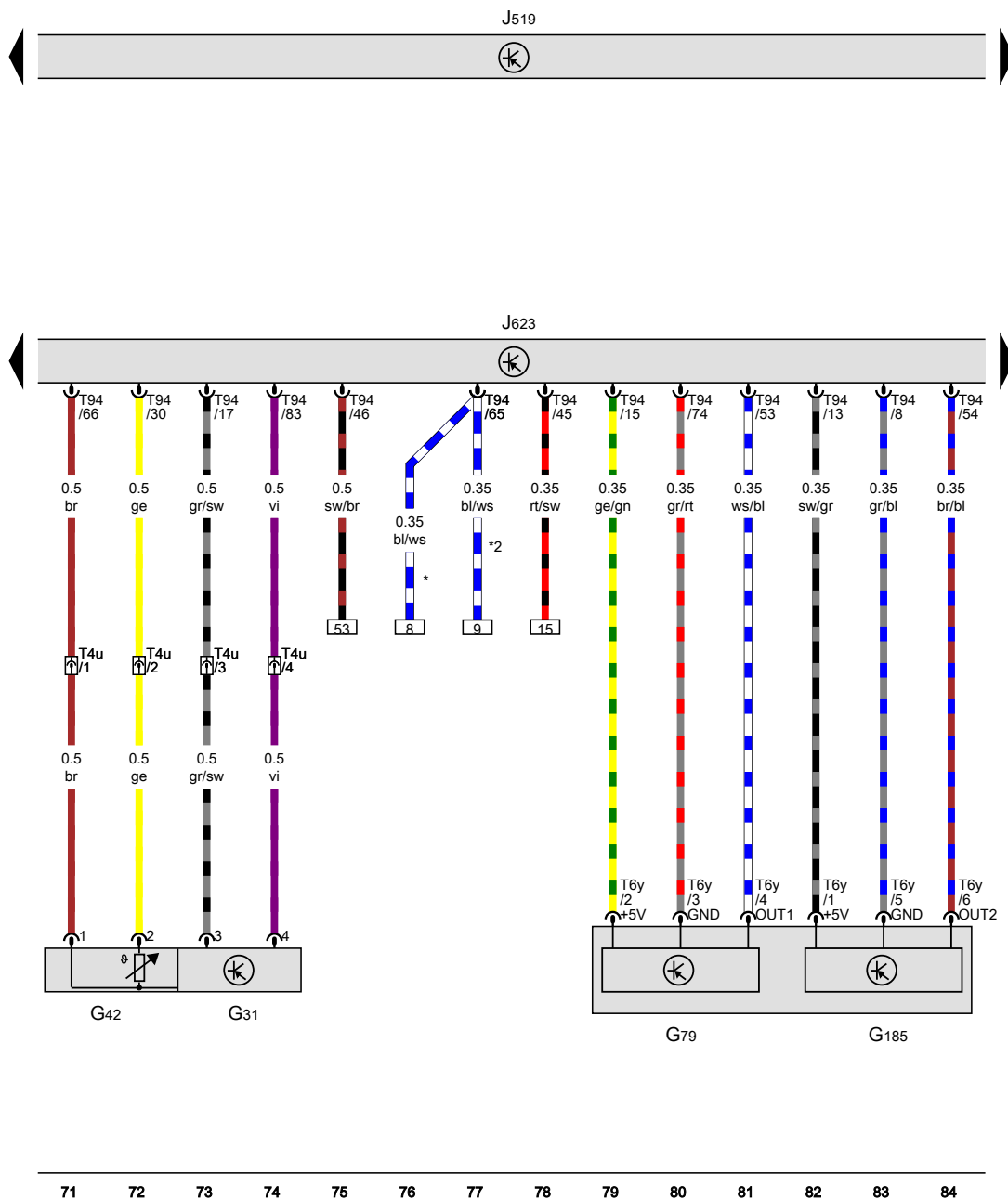


Onboard supply control unit, Engine control unit, Heater element for crankcase breather



- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T16a 16-pin connector
- T94 94-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 607 Earth point, on left in plenum chamber
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with basic equipment
- *3 Optional equipment
- *4 According to equipment

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

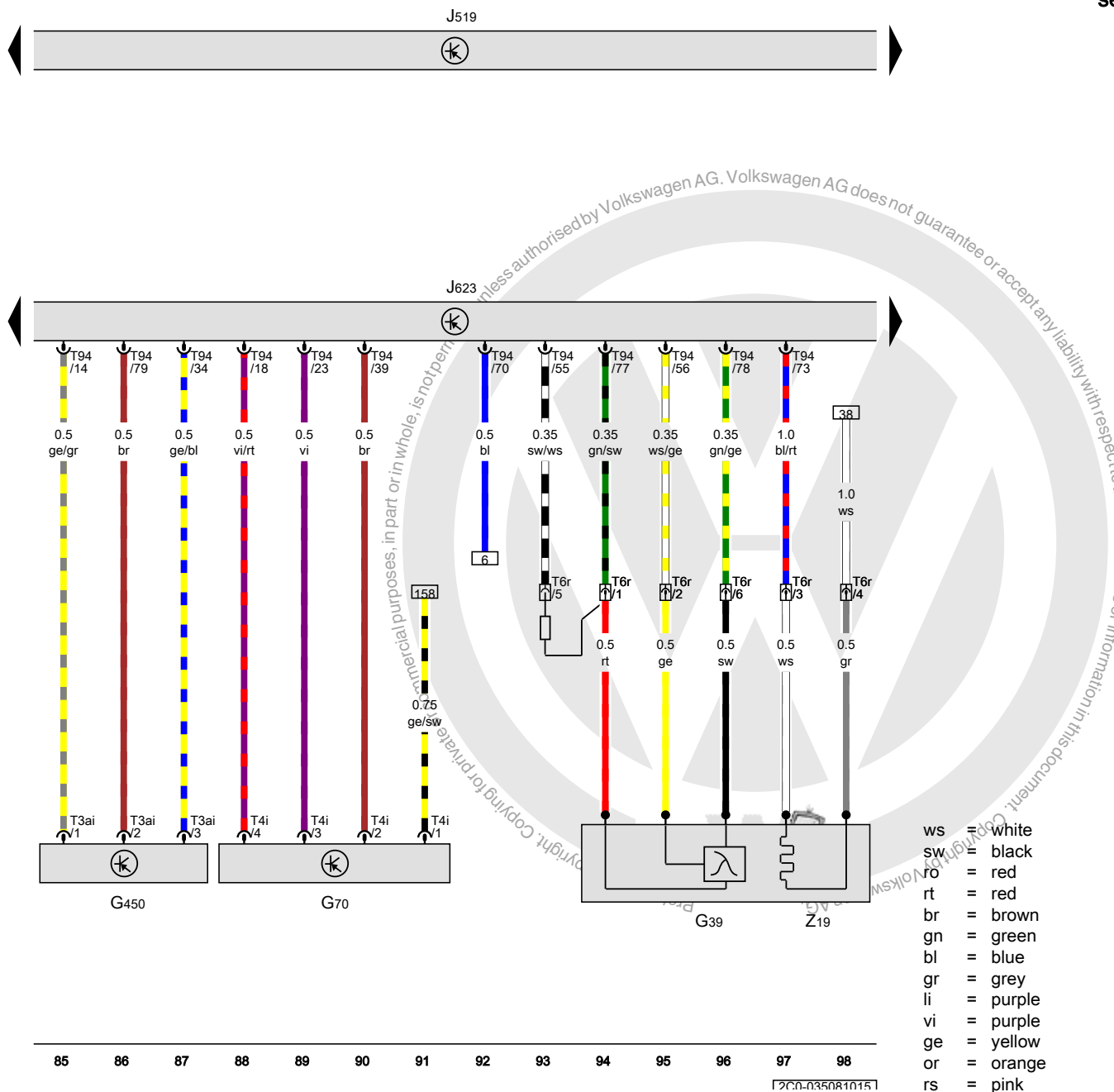


Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

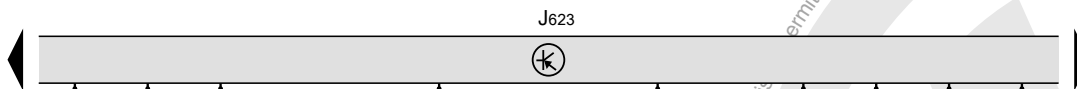
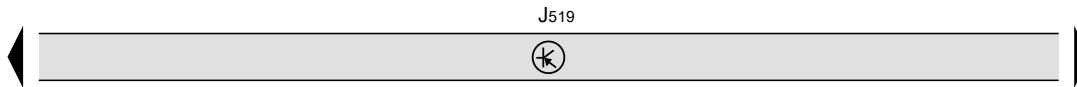
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4u 4-pin connector, front left in engine compartment, black
- T6y 6-pin connector, black
- T94 94-pin connector
- * Only models with no air conditioning system
- *2 Only models with air conditioning system

Lambda probe, Air mass meter, Exhaust gas pressure sensor 1, Onboard supply control unit, Engine control unit

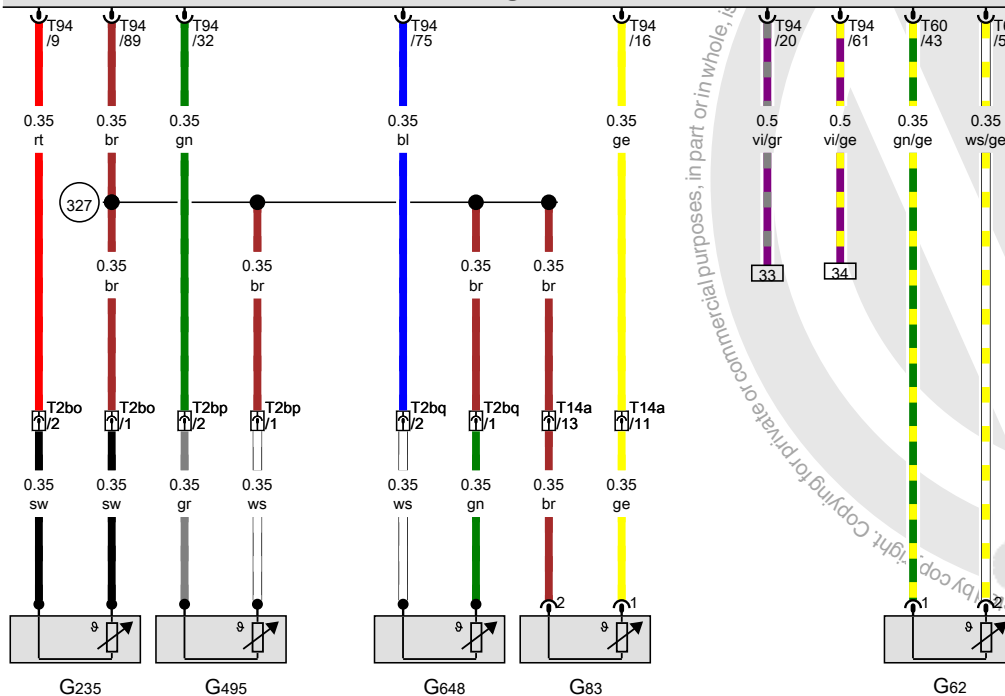
- G39 Lambda probe
- G70 Air mass meter
- G450 Exhaust gas pressure sensor 1
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ai 3-pin connector
- T4i 4-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater



Coolant temperature sender, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Onboard supply control unit, Engine control unit



- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T2bo 2-pin connector, in rear of engine compartment, black
- T2bp 2-pin connector, in rear of engine compartment, brown
- T2bq 2-pin connector, in rear of engine compartment, orange
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness



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

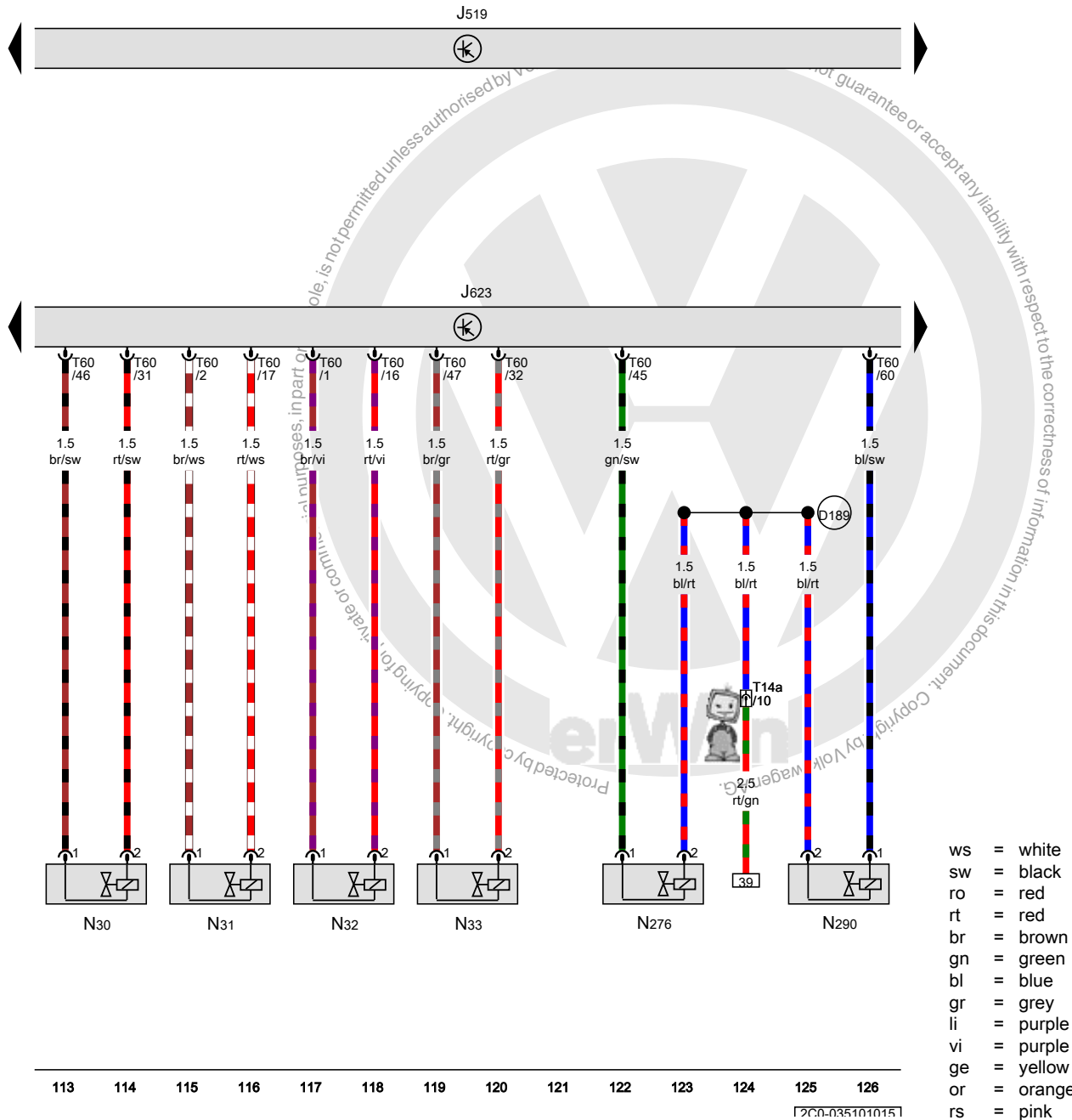
99 100 101 102 103 104 105 106 107 108 109 110 111 112

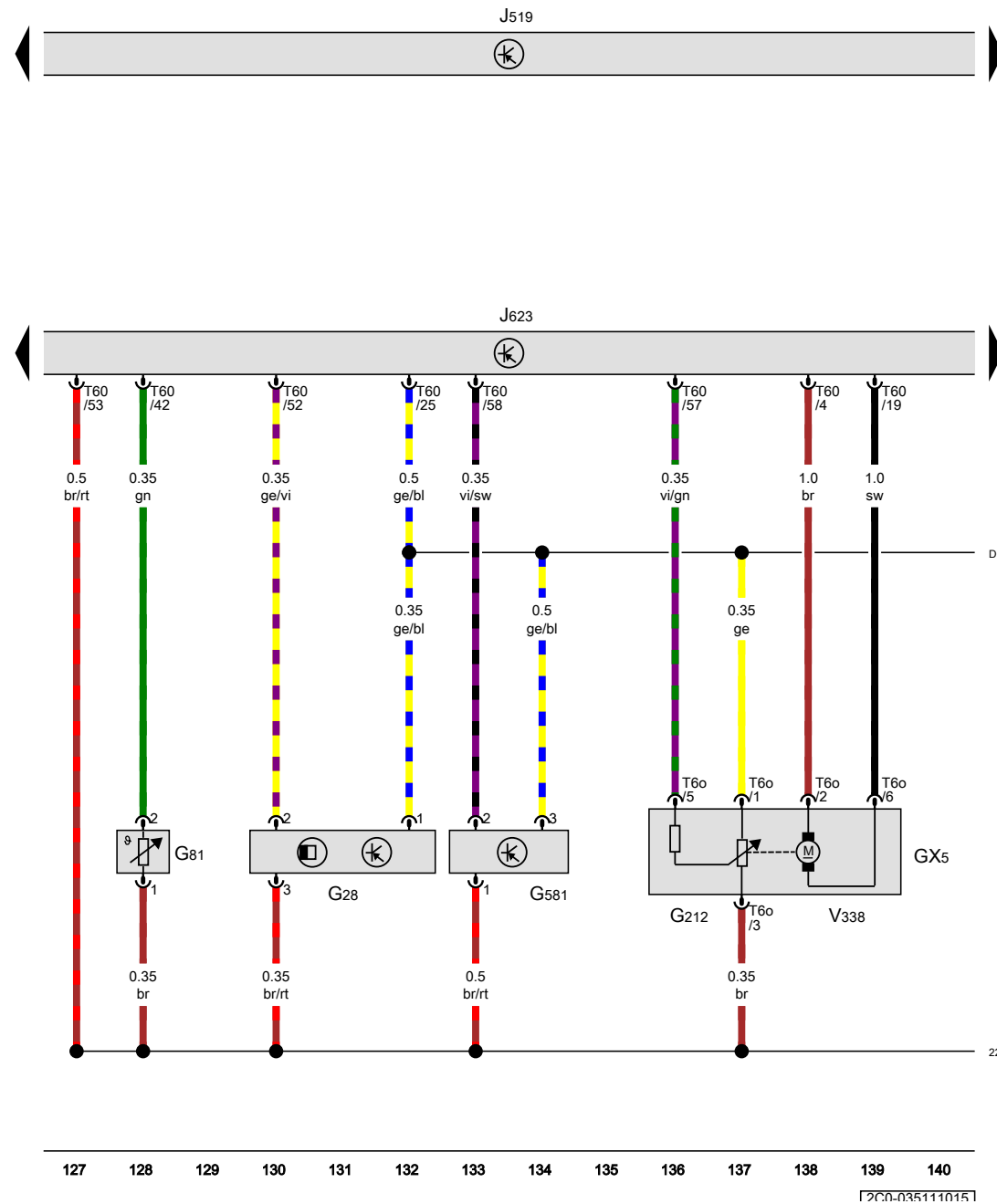
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Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector

D189 Connection (87a) in engine prewiring harness





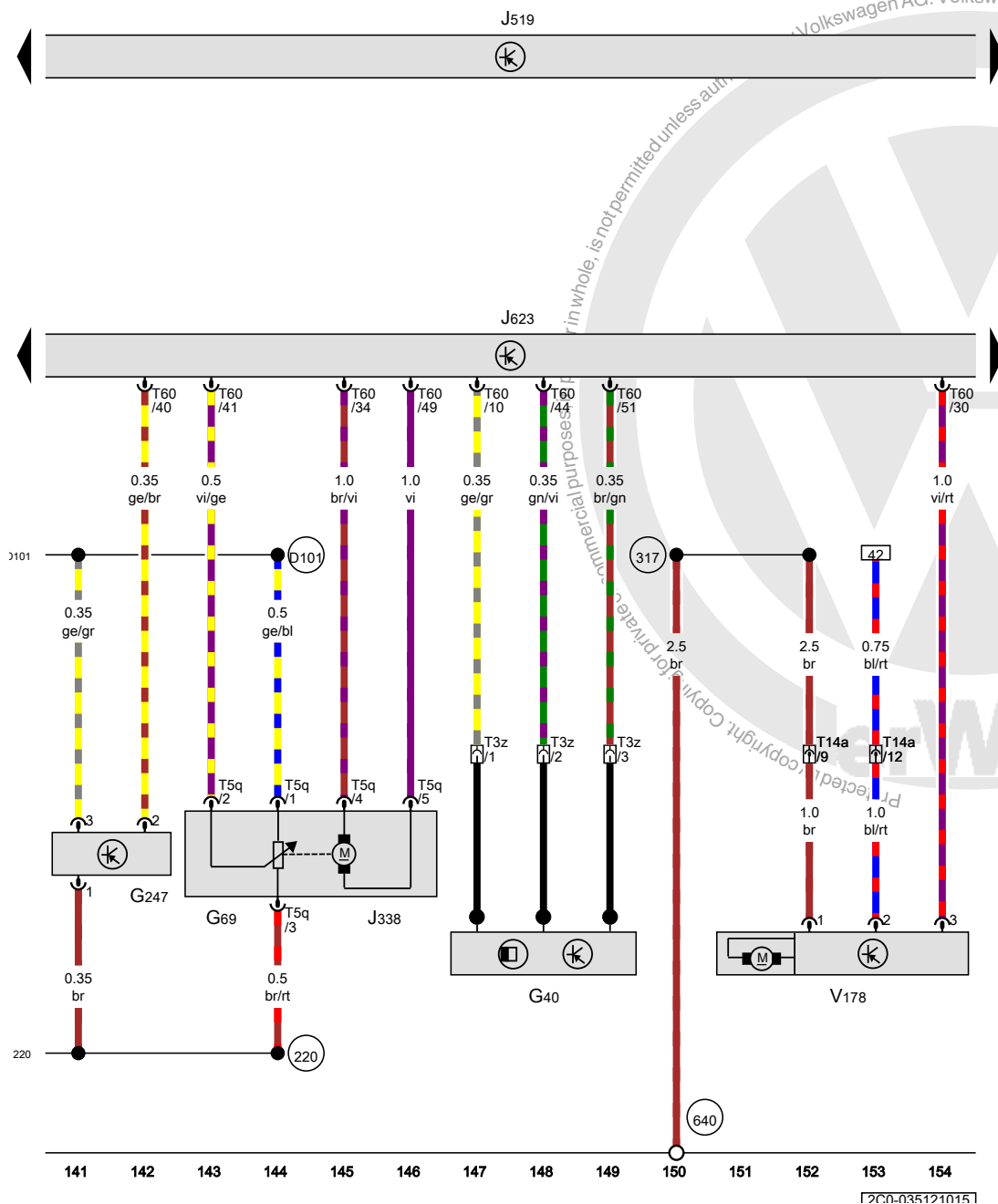
Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit, Exhaust gas recirculation control motor

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T60o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

- 220 Earth connection (sender earth), in engine wiring harness
- D101 Connection 1 in engine compartment wiring harness

- 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

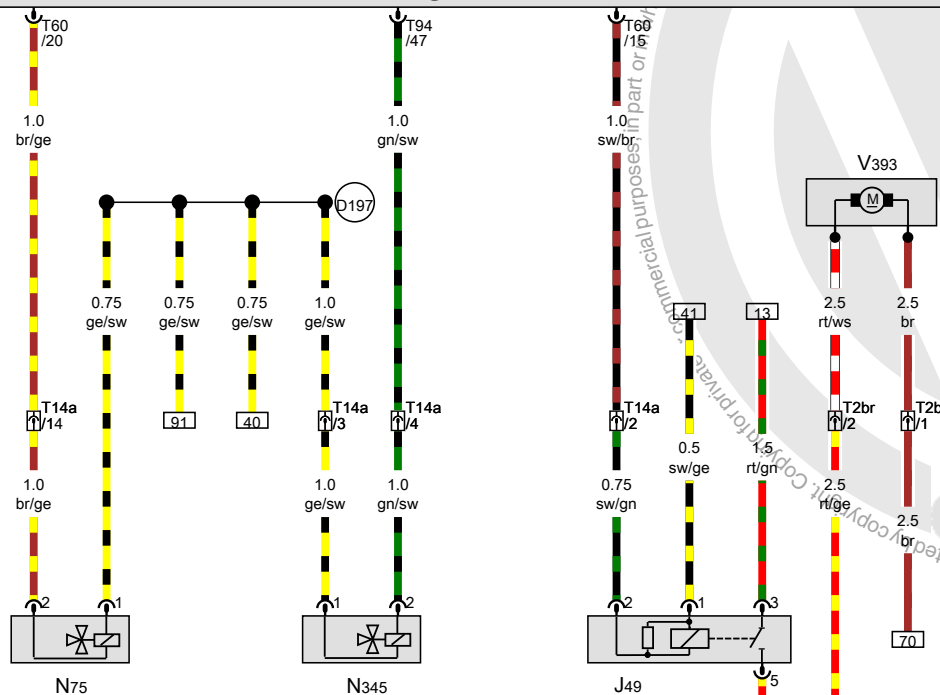
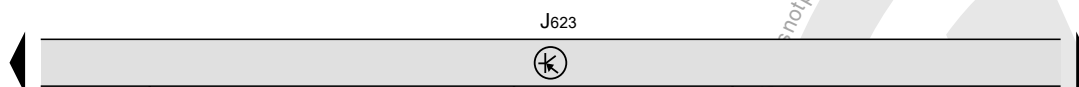
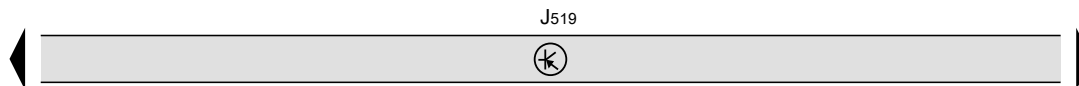
Hall sender, Throttle valve potentiometer, Fuel pressure sender, Throttle valve module, Onboard supply control unit, Engine control unit, Coolant circulation pump 2



- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector, on front of engine, black
- T5q 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- V178 Coolant circulation pump 2
- 220 Earth connection (sender earth), in engine wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D101 Connection 1 in engine compartment wiring harness

Electric fuel pump 2 relay, Onboard supply control unit, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Supplementary fuel pump

- J49 Electric fuel pump 2 relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T2br 2-pin connector, in rear right of engine compartment, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- V393 Supplementary fuel pump
- D197 Connection 5 (87a) in engine compartment wiring harness



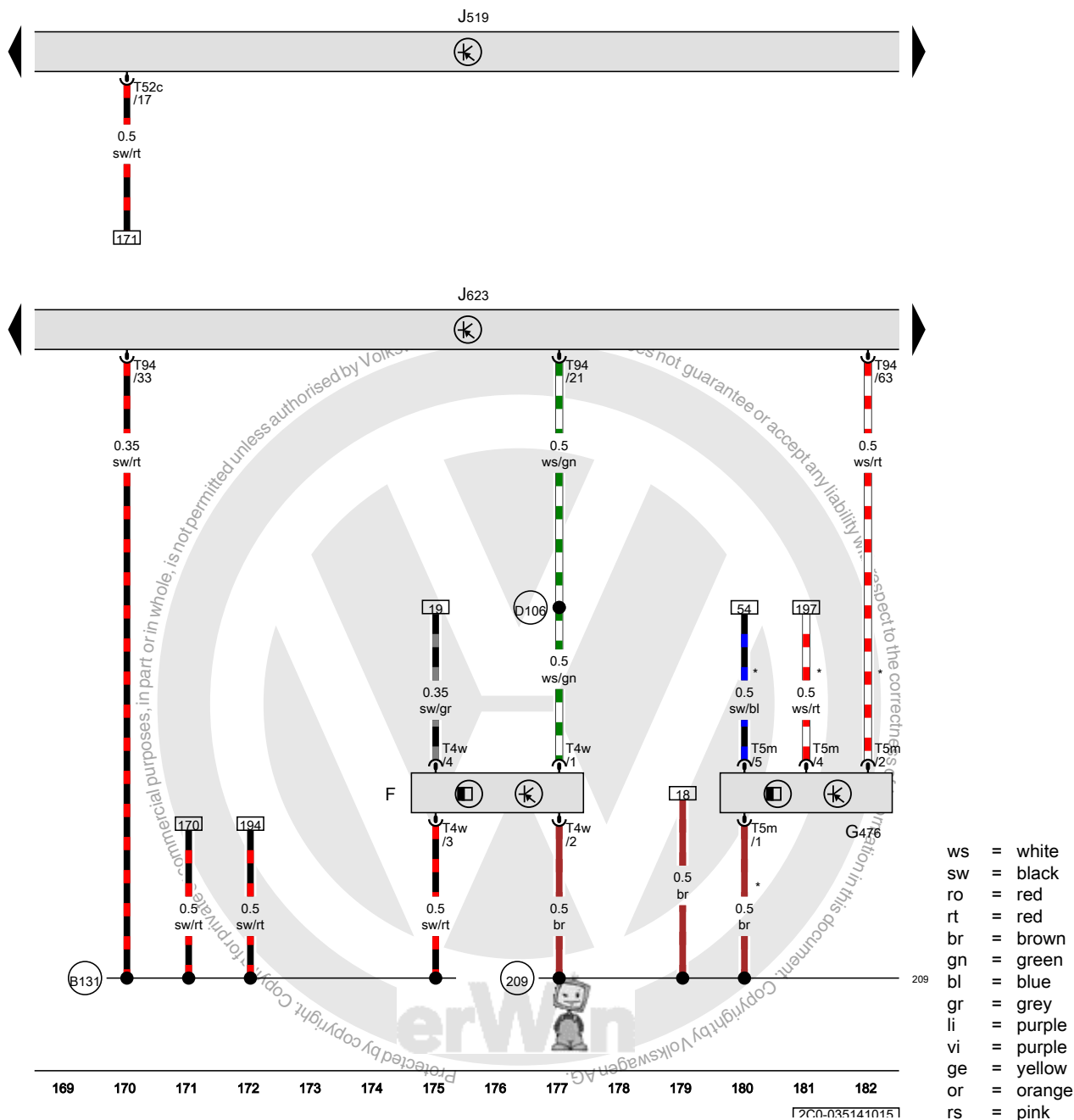
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 rt = red
 br = brown
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 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

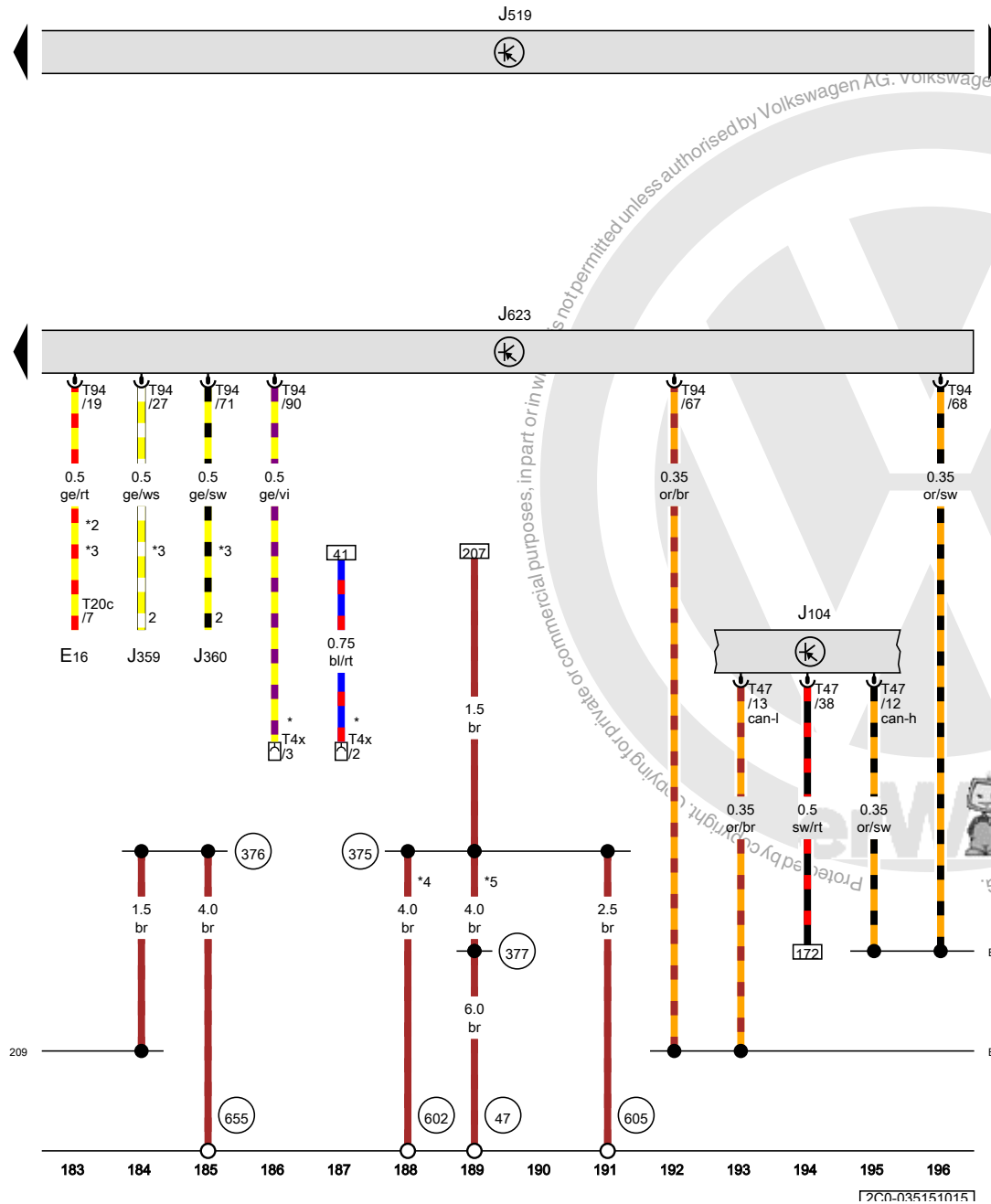
[200-035131015]

Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Only models with manual gearbox



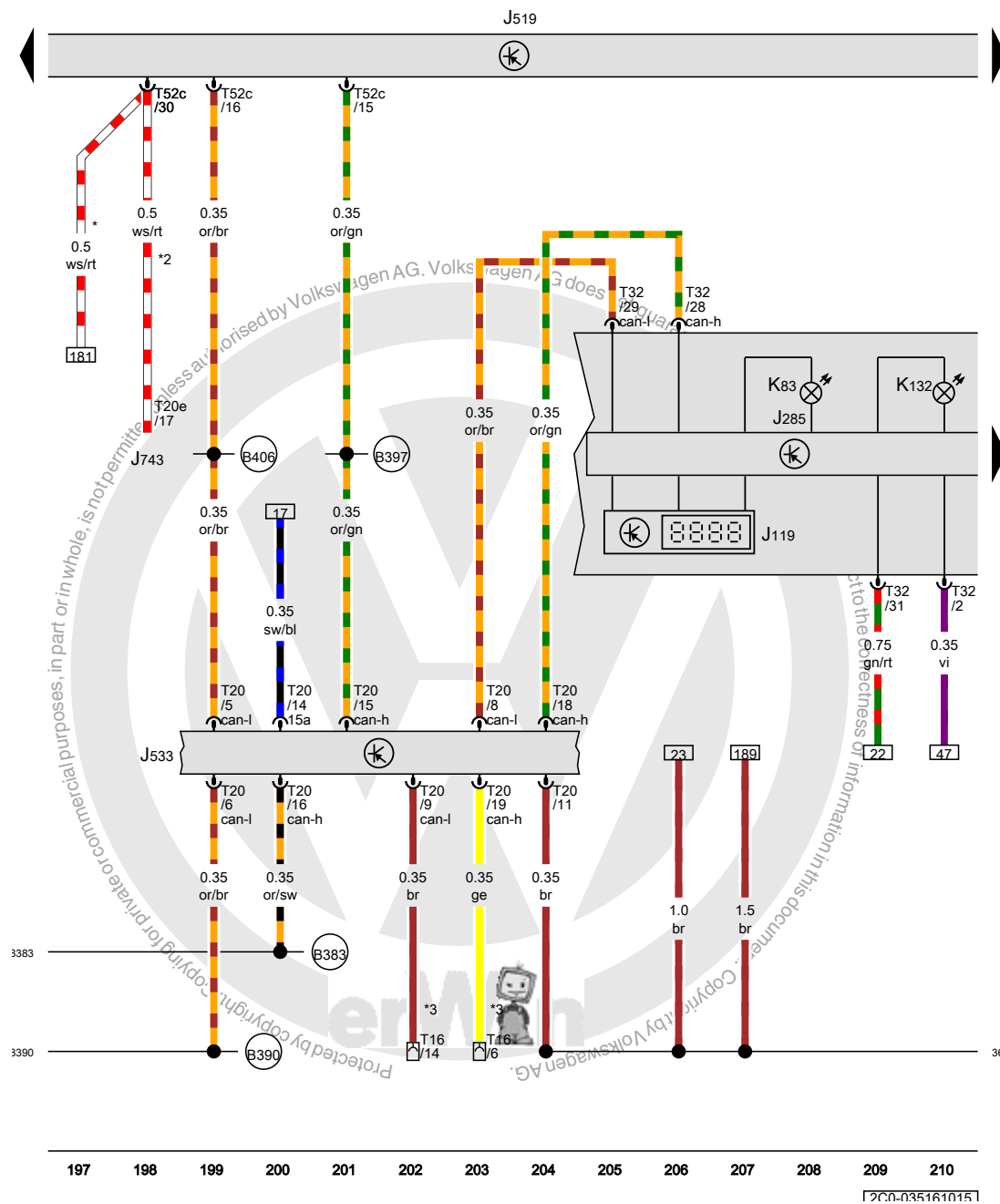
Onboard supply control unit, Engine control unit



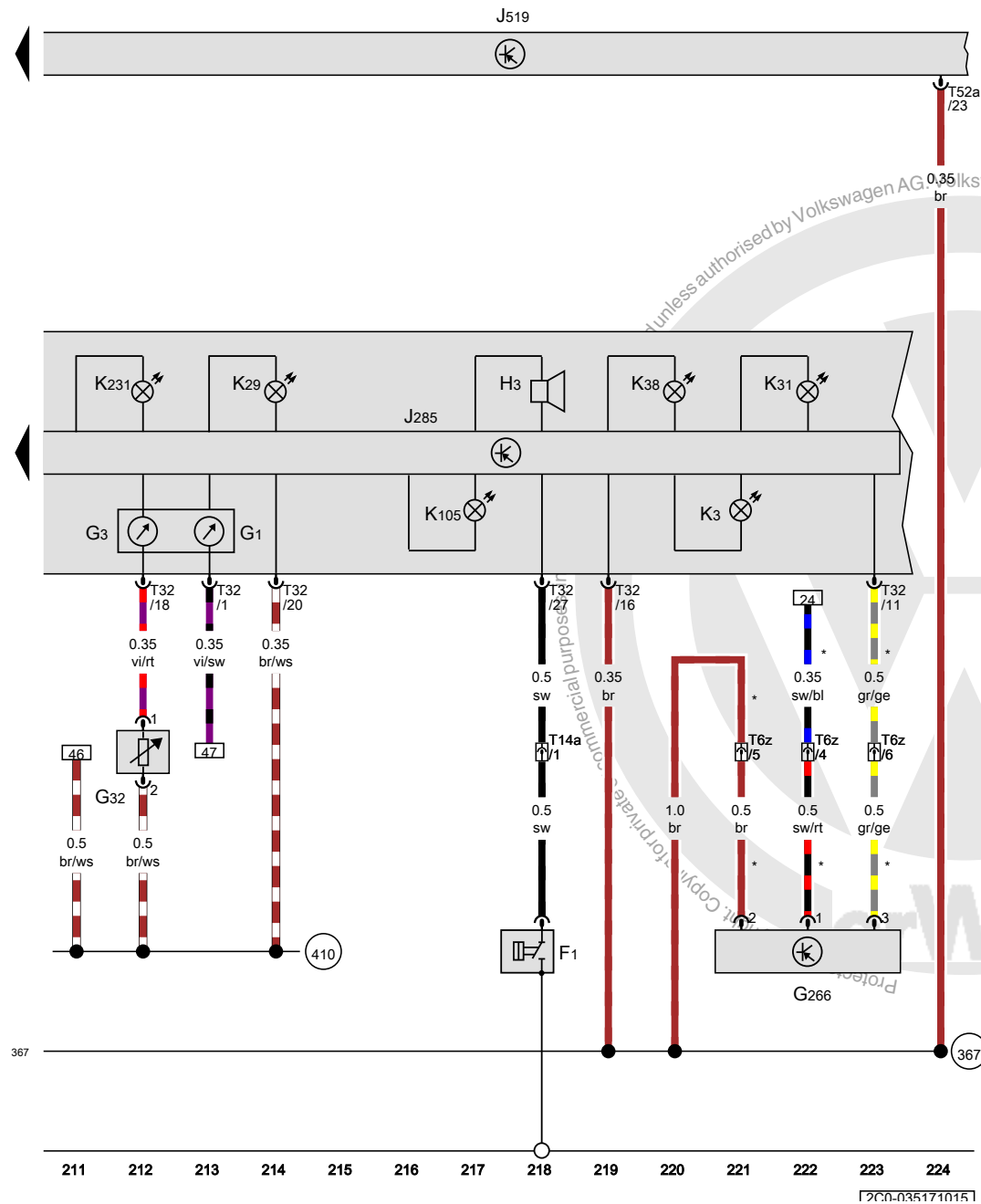
- E16 Heater/heat output switch
- J104 ABS control unit
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4x 4-pin connector, on radiator fan, bottom left, black
- T20c 20-pin connector, black
- T47 47-pin connector
- T94 94-pin connector
- 47 Earth point, in front right footwell
- 209 Earth connection 6, in engine compartment wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Radiator fan connection
- *2 Only models with no air conditioning system
- *3 Only models with auxiliary air heater
- *4 Only left-hand drive models
- *5 Only right-hand drive models

Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



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



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

- 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

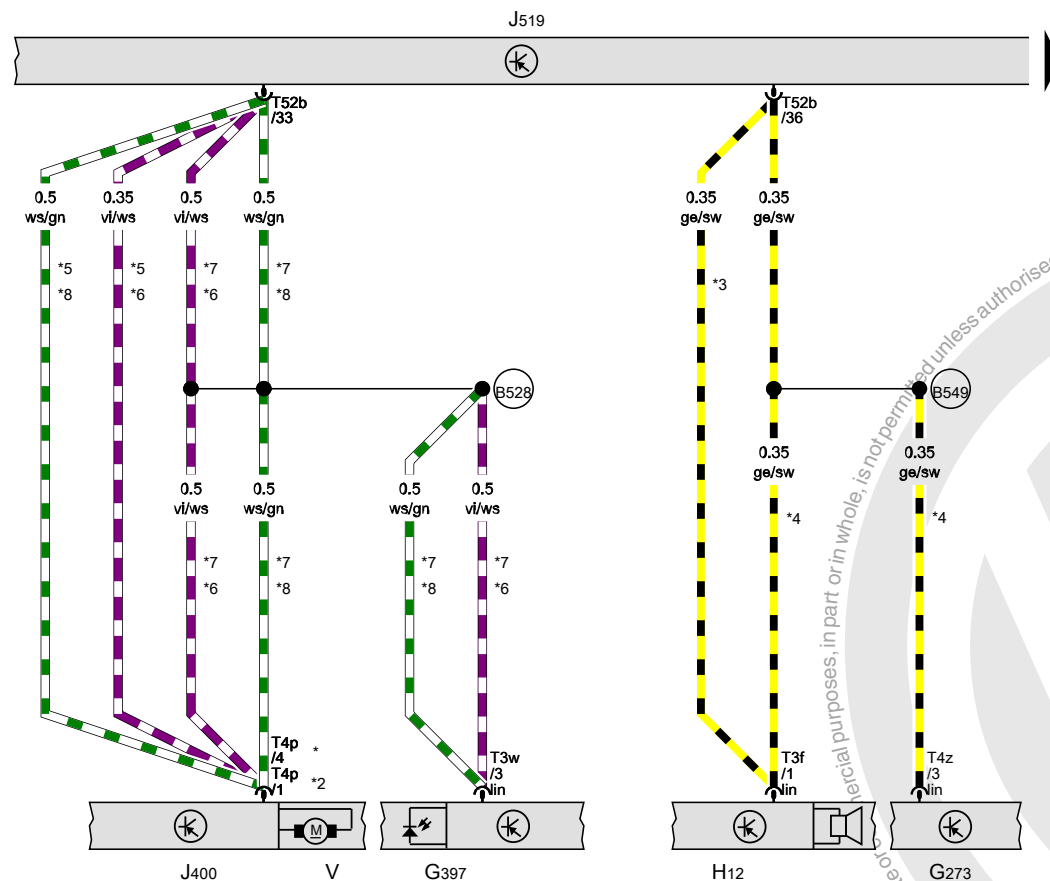
1700-035171015

Data bus network

From August 2010



Interior monitoring sensor, Vehicle inclination sender, Rain and light sensor, Anti-theft alarm sensor, Alarm horn, Wiper motor control unit, Onboard supply control unit



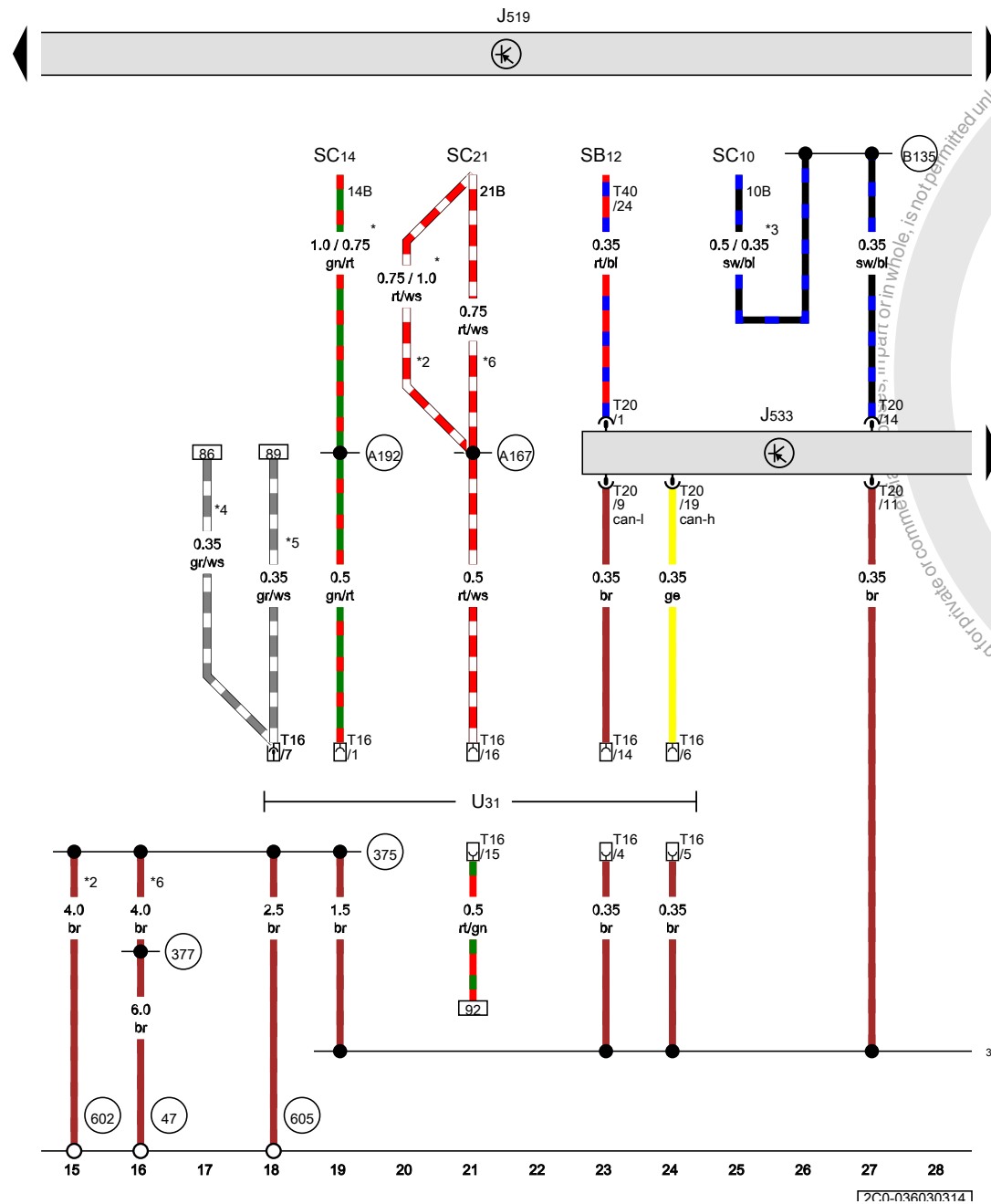
- G273 Interior monitoring sensor
- G384 Vehicle inclination sender
- G397 Rain and light sensor
- G578 Anti-theft alarm sensor
- H12 Alarm horn
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- T3f 3-pin connector, black
- T3w 3-pin connector
- T4p 4-pin connector
- T4z 4-pin connector, black
- T52b 52-pin connector, white
- V Windscreen wiper motor

B528 Connection 1 (LIN bus) in main wiring harness

B549 Connection 2 (LIN bus) in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Only models with no interior monitor
- *4 Only models with interior monitor
- *5 Only models with no rain and light sensor
- *6 Up to April 2011
- *7 Only models with rain and light sensor
- *8 From May 2011

- 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



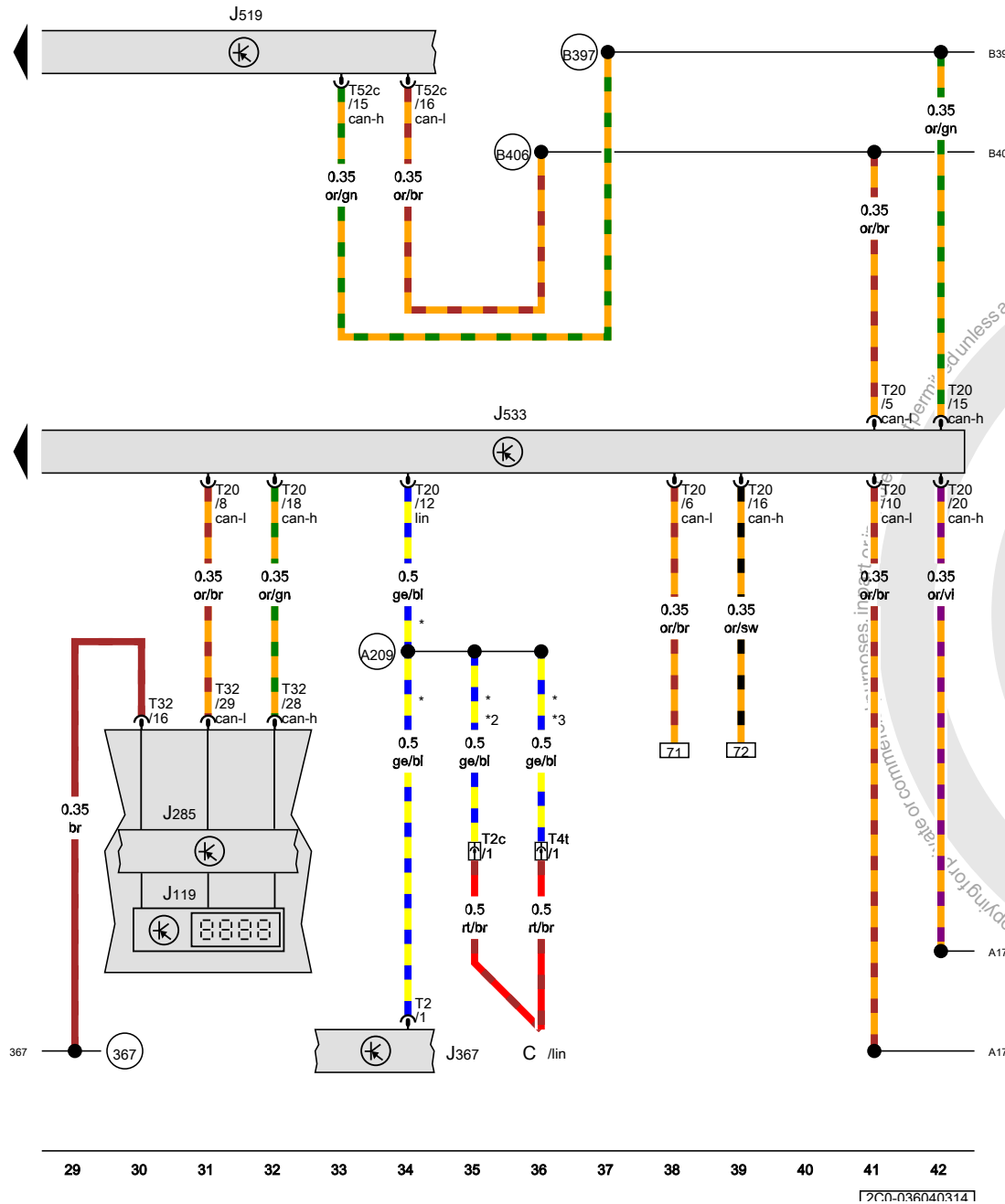
Onboard supply control unit, Data bus diagnostic interface, Diagnostic connection

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SC10 Fuse 10 on fuse holder C
- SB12 Fuse 12 on fuse holder B
- SC14 Fuse 14 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- T16 16-pin connector
- T20 20-pin connector, red
- T40 40-pin connector
- U31 Diagnostic connection

- 47 Earth point, in front right footwell
- 367 Earth connection 2, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness

- * From May 2011
- *2 Only left-hand drive models
- *3 From November 2012
- *4 Only models with dual clutch gearbox 0AM
- *5 Only models with dual clutch gearbox 02E
- *6 Only right-hand drive models

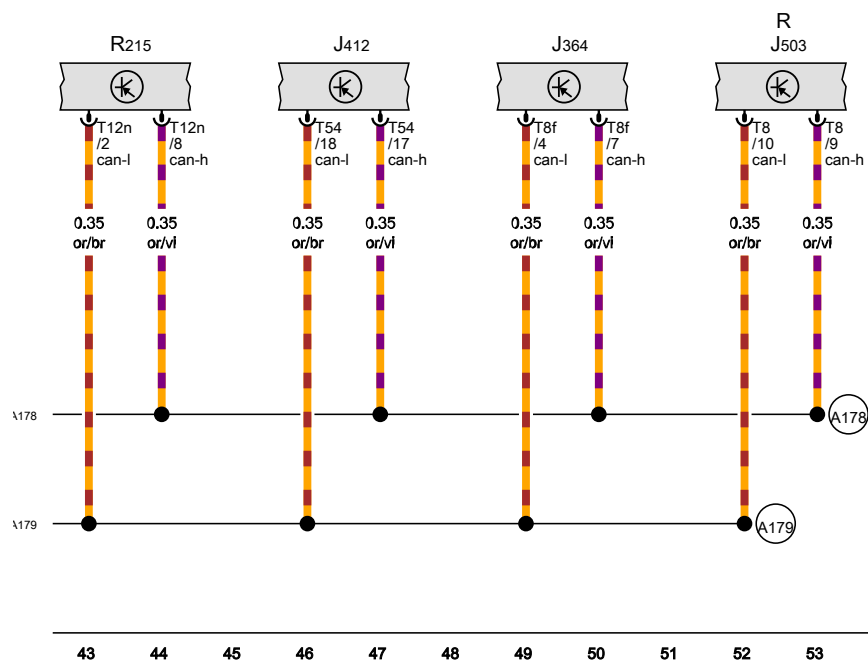
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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink



Alternator, Multifunction indicator, Control unit in dash panel insert, Battery monitor control unit, Onboard supply control unit, Data bus diagnostic interface

- C Alternator
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T2 2-pin connector
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown
- 367 Earth connection 2, in main wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel 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 models with start/stop system
- *2 Only models with no air conditioning system
- *3 Only models with air conditioning system

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

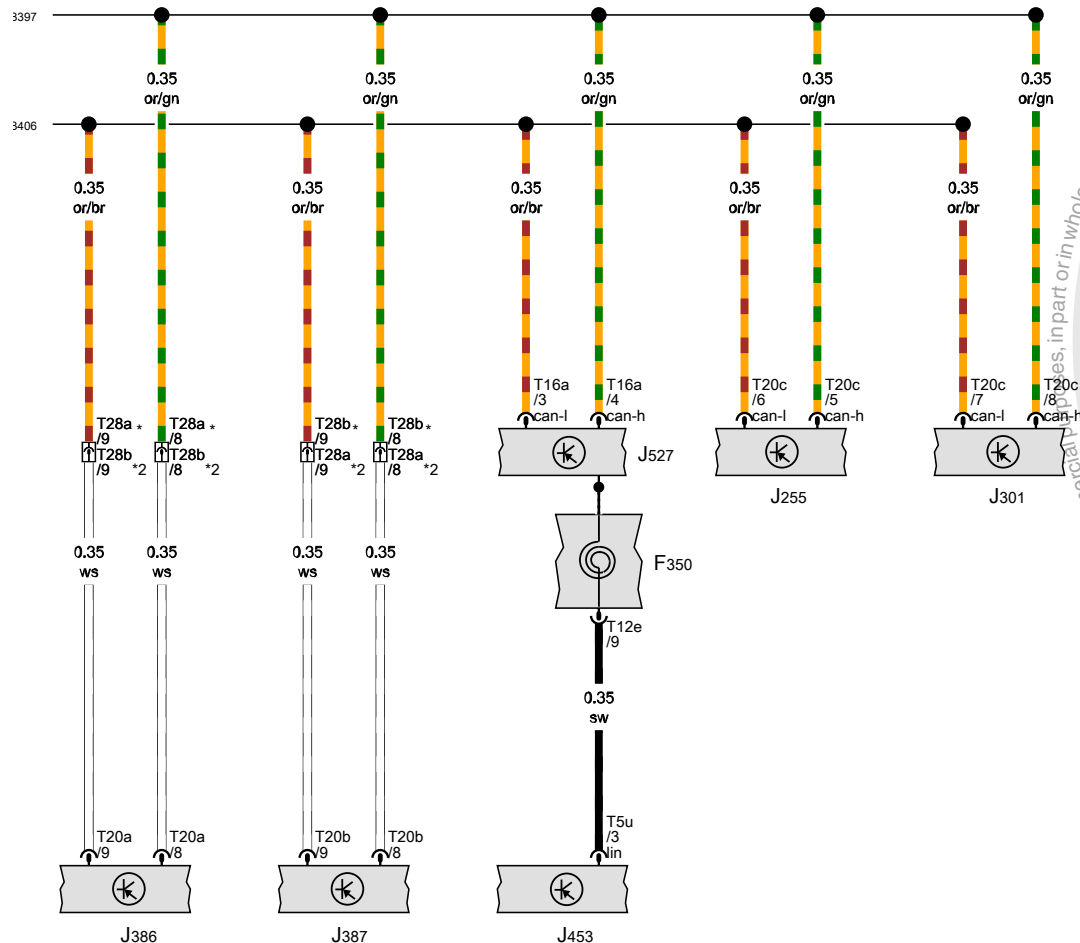


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

Trailer detector control unit, Auxiliary heater control unit, Mobile telephone operating electronics control unit, Control unit with display for radio and navigation, Radio, Interface for external multimedia unit

- J345 Trailer detector control unit
- J364 Auxiliary heater control unit
- J412 Mobile telephone operating electronics control unit
- J503 Control unit with display for radio and navigation
- R Radio
- R215 Interface for external multimedia unit
- T8 8-pin connector
- T8f 8-pin connector
- T12m 12-pin connector
- T12n 12-pin connector, black
- T54 54-pin connector

- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness



Climatronic control unit, Air conditioning system control unit, Driver door control unit, Front passenger door control unit, Multifunction steering wheel control unit, Steering column electronics control unit

- F350 Coil connector
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J386 Driver door control unit
- J387 Front passenger door control unit
- J453 Multifunction steering wheel control unit, in steering wheel
- J527 Steering column electronics control unit
- T5u 5-pin connector
- T12e 12-pin connector
- T16a 16-pin connector
- T20a 20-pin connector
- T20b 20-pin connector
- T20c 20-pin connector
- T28a 28-pin connector, in left A-pillar coupling station
- T28b 28-pin connector, in right A-pillar coupling station

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

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

- * Only left-hand drive models
- *2 Only right-hand drive models

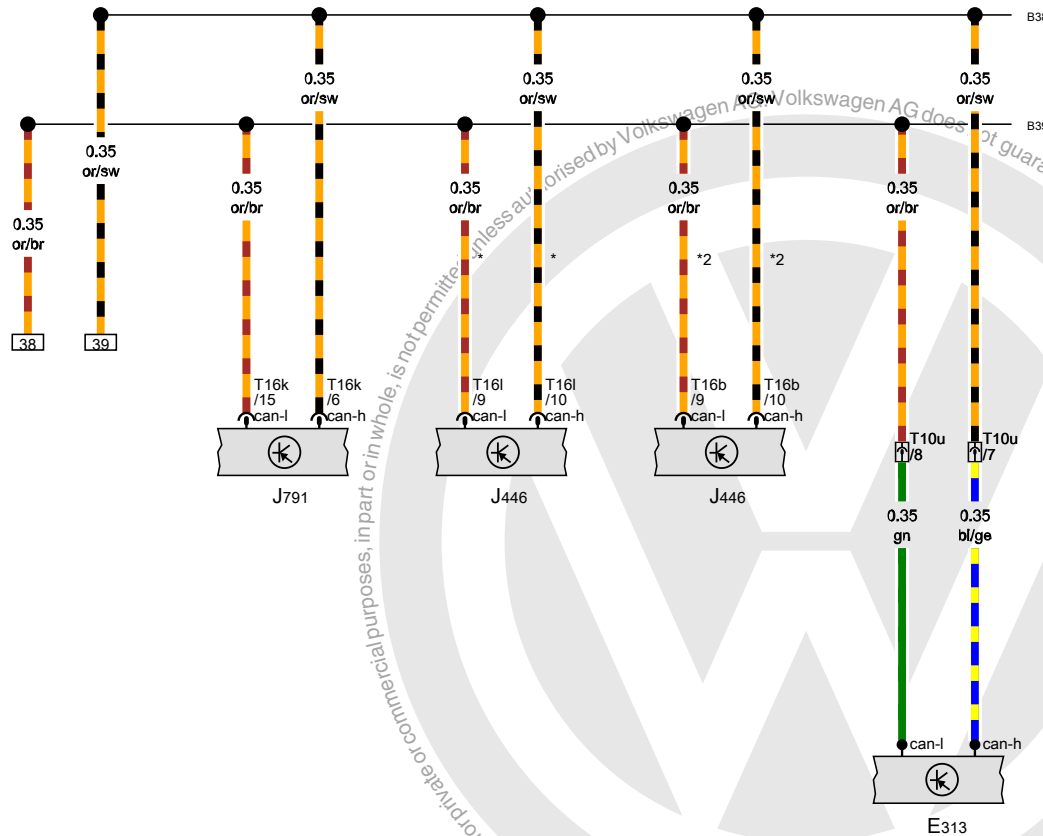
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rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Selector lever, Parking aid control unit, Park assist steering control unit

- | | |
|------|--|
| E313 | Selector lever |
| J446 | Parking aid control unit |
| J791 | Park assist steering control unit |
| T10u | 10-pin connector, under selector lever |
| T16b | 16-pin connector, brown |
| T16k | 16-pin connector, brown |
| T16l | 16-pin connector, brown |

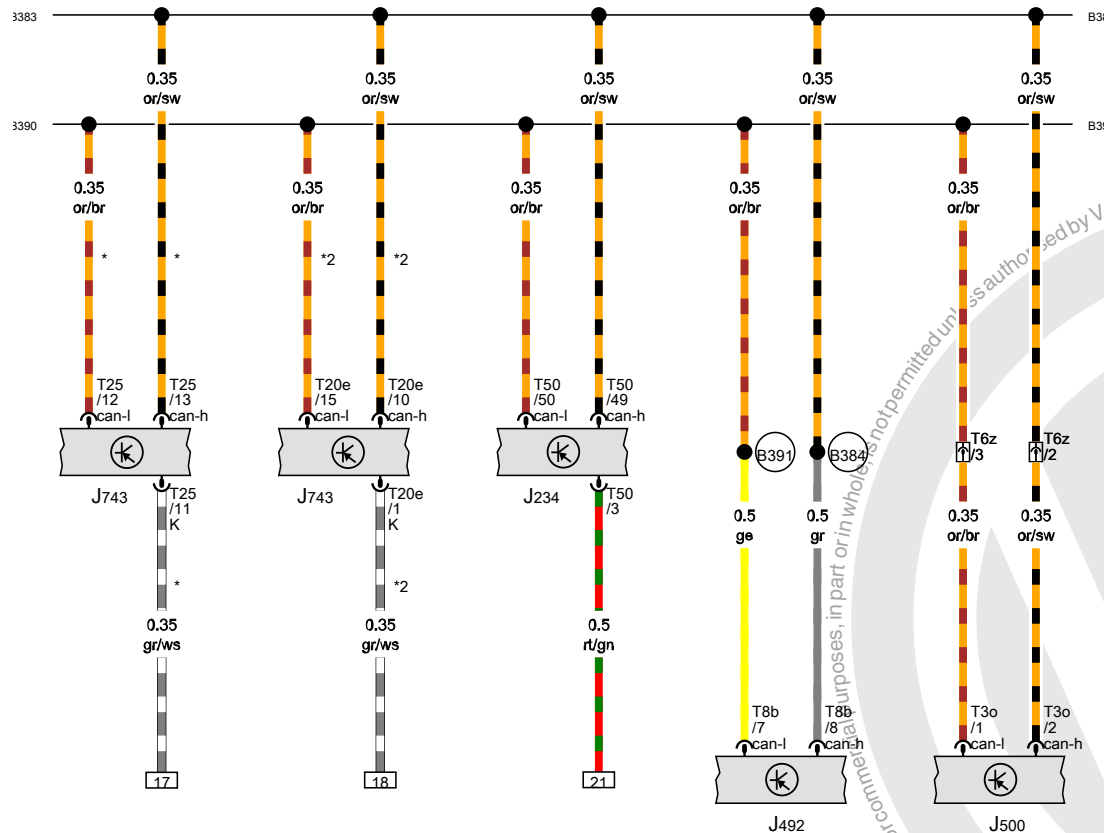
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * From May 2012
*2 Up to April 2012



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

Airbag control unit, All-wheel drive control unit, Power steering control unit, Mechatronic unit for dual clutch gearbox



- J234 Airbag control unit
- J492 All-wheel drive control unit
- J500 Power steering control unit
- J743 Mechatronic unit for dual clutch gearbox
- T30 3-pin connector
- T6z 6-pin connector, near left headlight
- T8b 8-pin connector, black
- T20e 20-pin connector
- T25 25-pin connector
- T50 50-pin connector

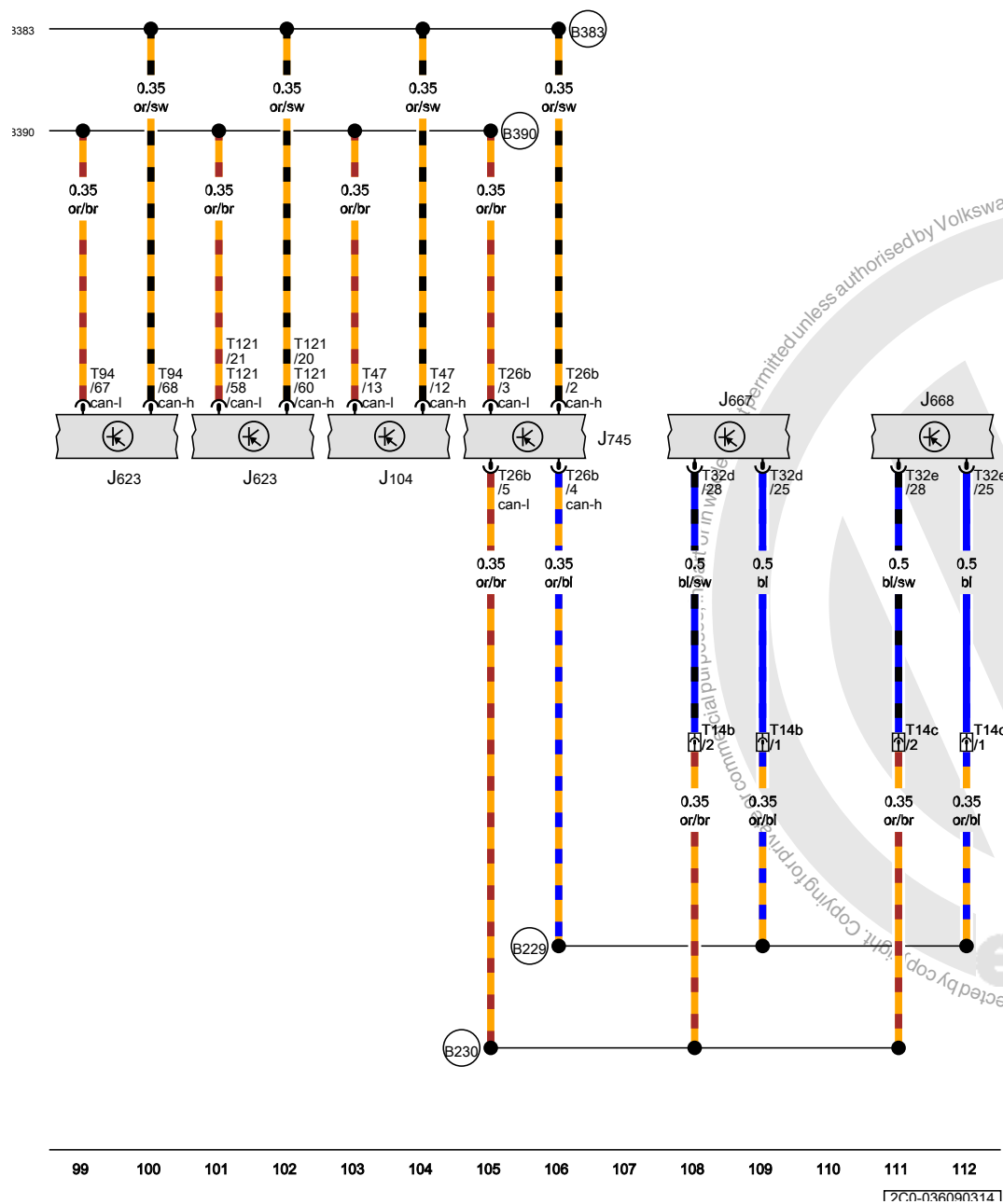
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B384 Connection 2 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B391 Connection 2 (powertrain CAN bus, low), in main wiring harness

- * Only models with dual clutch gearbox 0AM
- *2 Only models with dual clutch gearbox 02E

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
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ABS control unit, Engine control unit, Output module for left headlight, Output module for right headlight, Control unit for cornering light and headlight range control

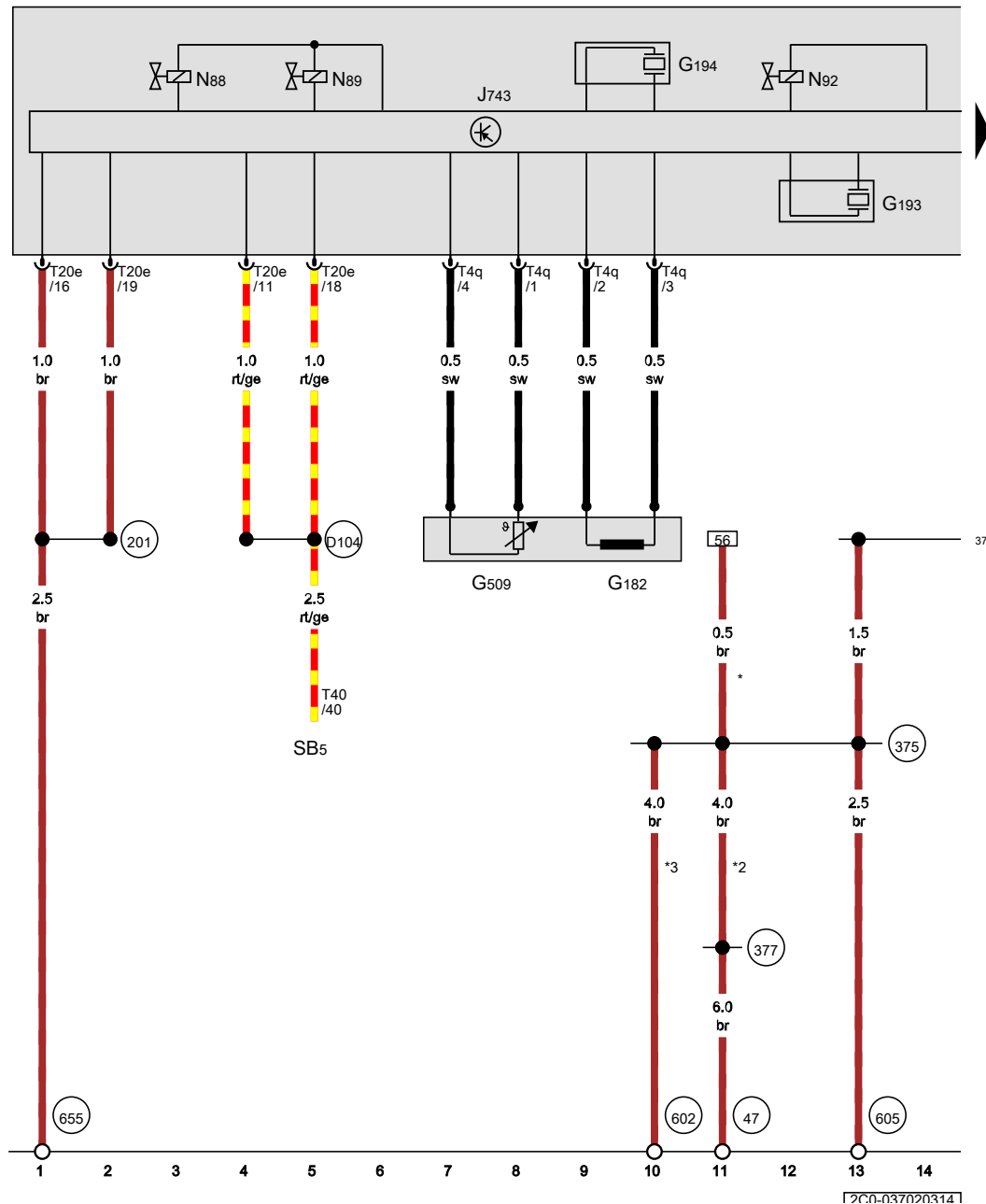


- J104 ABS control unit
- J623 Engine control unit
- J667 Output module for left headlight, on left headlight
- J668 Output module for right headlight, on right headlight
- J745 Control unit for cornering light and headlight range control
- T14b 14-pin connector, on left headlight, black
- T14c 14-pin connector, on right headlight, black
- T26b 26-pin connector
- T32d 32-pin connector
- T32e 32-pin connector
- T47 47-pin connector
- T94 94-pin connector
- T121 121-pin connector
- B229 Connection (high bus), in interior wiring harness
- B230 Connection (low bus), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

Dual clutch gearbox 02E

From May 2011



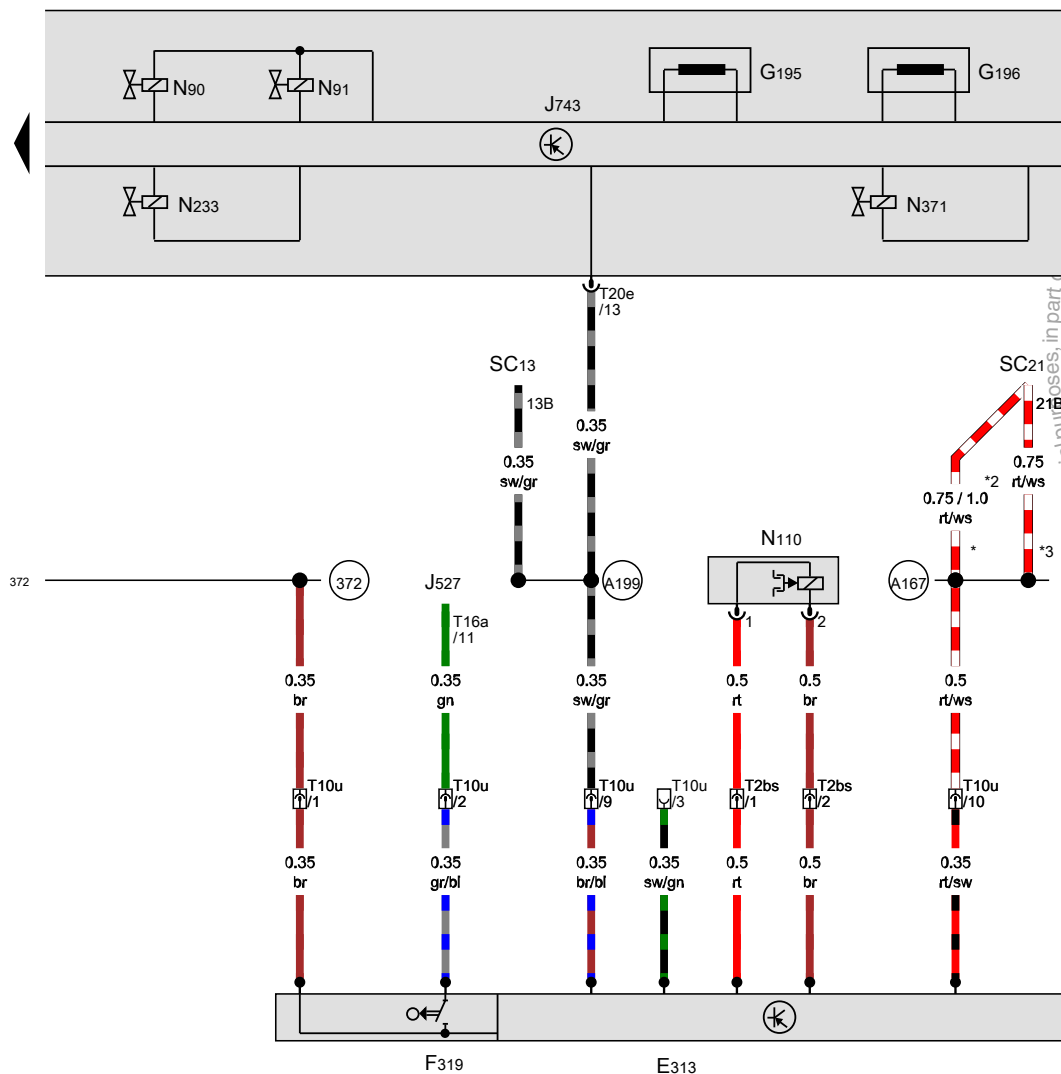


Gearbox input speed sender, Automatic gearbox hydraulic pressure sender 1, Automatic gearbox hydraulic pressure sender 2, Clutch temperature sender, Mechatronic unit for dual clutch gearbox, Solenoid valve 1, Solenoid valve 2, Solenoid valve 5

- G182 Gearbox input speed sender
- G193 Automatic gearbox hydraulic pressure sender 1
- G194 Automatic gearbox hydraulic pressure sender 2
- G509 Clutch temperature sender
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N92 Solenoid valve 5
- SB5 Fuse 5 on fuse holder B
- T4q 4-pin connector
- T20e 20-pin connector, black
- T40 40-pin connector
- 47 Earth point, in front right footwell
- 201 Earth connection 5, in engine compartment wiring harness
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- D104 Positive connection 2 (30a), in engine compartment wiring harness
- * Only models with start/stop system
- *2 Only right-hand drive models
- *3 Only left-hand drive models

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

12C0-0370203141



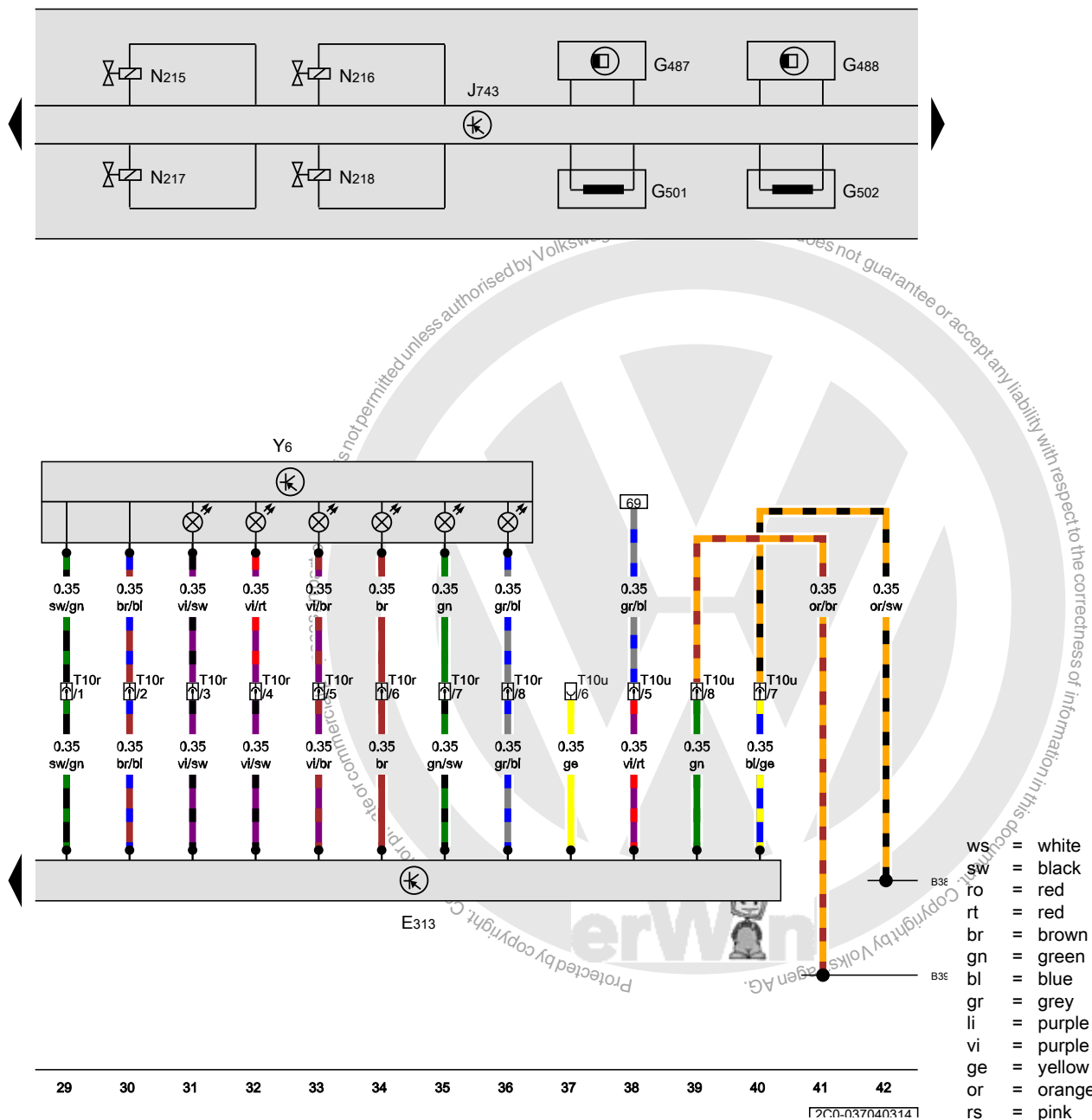
Selector lever locked in position P switch, Gearbox output speed sender, Gearbox output speed sender 2, Mechatronic unit for dual clutch gearbox, Solenoid valve 4, Automatic gearbox pressure regulating valve 5, Automatic gearbox pressure regulating valve 6

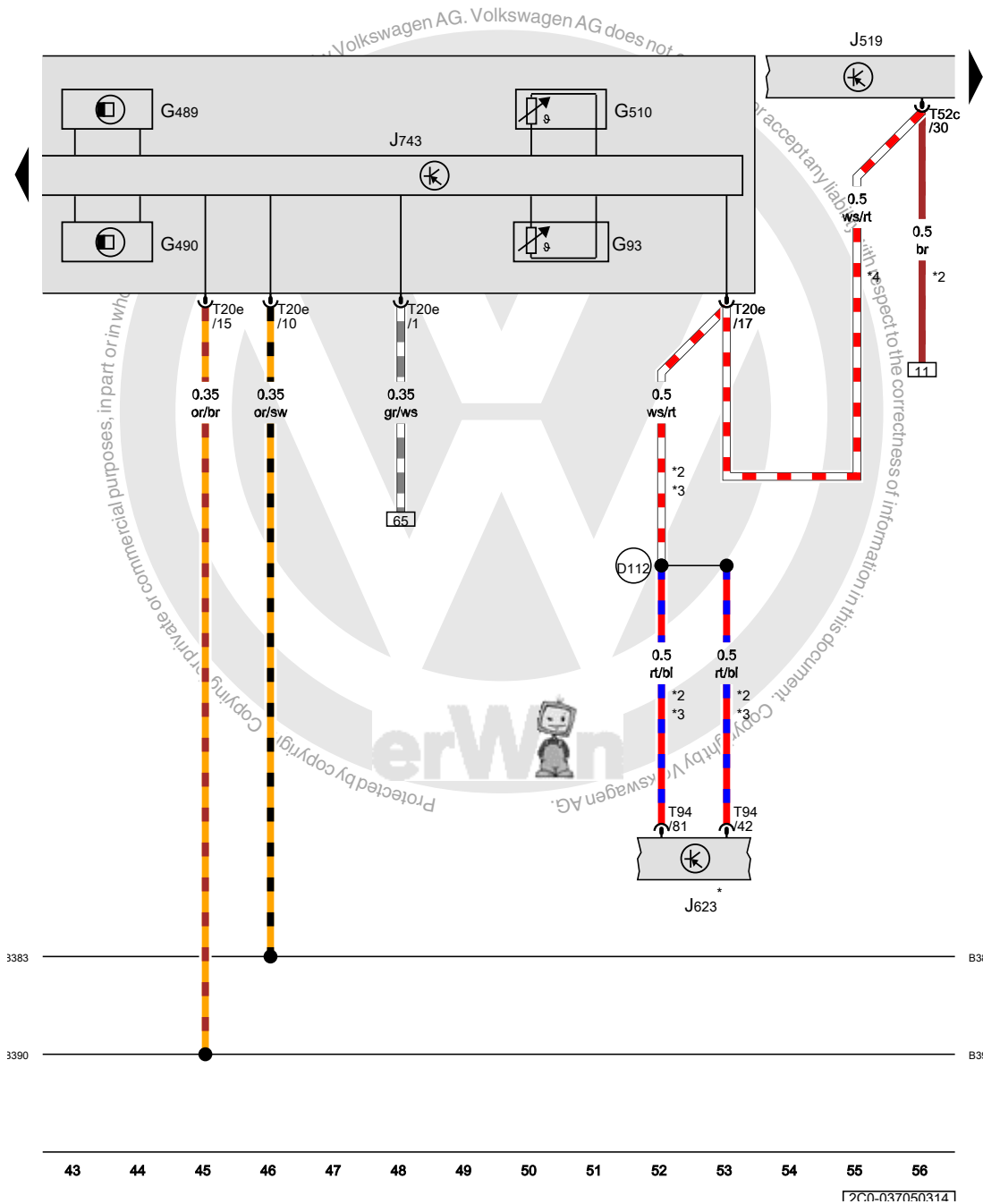
- E313 Selector lever
- F319 Selector lever locked in position P switch
- G195 Gearbox output speed sender
- G196 Gearbox output speed sender 2
- J527 Steering column electronics control unit
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N110 Selector lever lock solenoid
- N233 Automatic gearbox pressure regulating valve 5
- N371 Automatic gearbox pressure regulating valve 6
- SC13 Fuse 13 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- T2bs 2-pin connector, under selector lever
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector
- T20e 20-pin connector, black

- 372 Earth connection 7, in main wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- * Only left-hand drive models
- *2 From May 2011
- *3 Only right-hand drive models

Gear selector movement sensor 1, Gear selector movement sensor 2, Input shaft speed sender 1, Input shaft speed sender 2, Mechatronic unit for dual clutch gearbox, Automatic gearbox pressure regulating valve 1, Automatic gearbox pressure regulating valve 2, Automatic gearbox pressure regulating valve 3, Automatic gearbox pressure regulating valve 4, Selector lever position display

- E313 Selector lever
 - G487 Gear selector movement sensor 1
 - G488 Gear selector movement sensor 2
 - G501 Input shaft speed sender 1
 - G502 Input shaft speed sender 2
 - J743 Mechatronic unit for dual clutch gearbox, on gearbox
 - N215 Automatic gearbox pressure regulating valve 1
 - N216 Automatic gearbox pressure regulating valve 2
 - N217 Automatic gearbox pressure regulating valve 3
 - N218 Automatic gearbox pressure regulating valve 4
 - T10r 10-pin connector, under selector lever
 - T10u 10-pin connector, under selector lever
 - Y6 Selector lever position display
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness





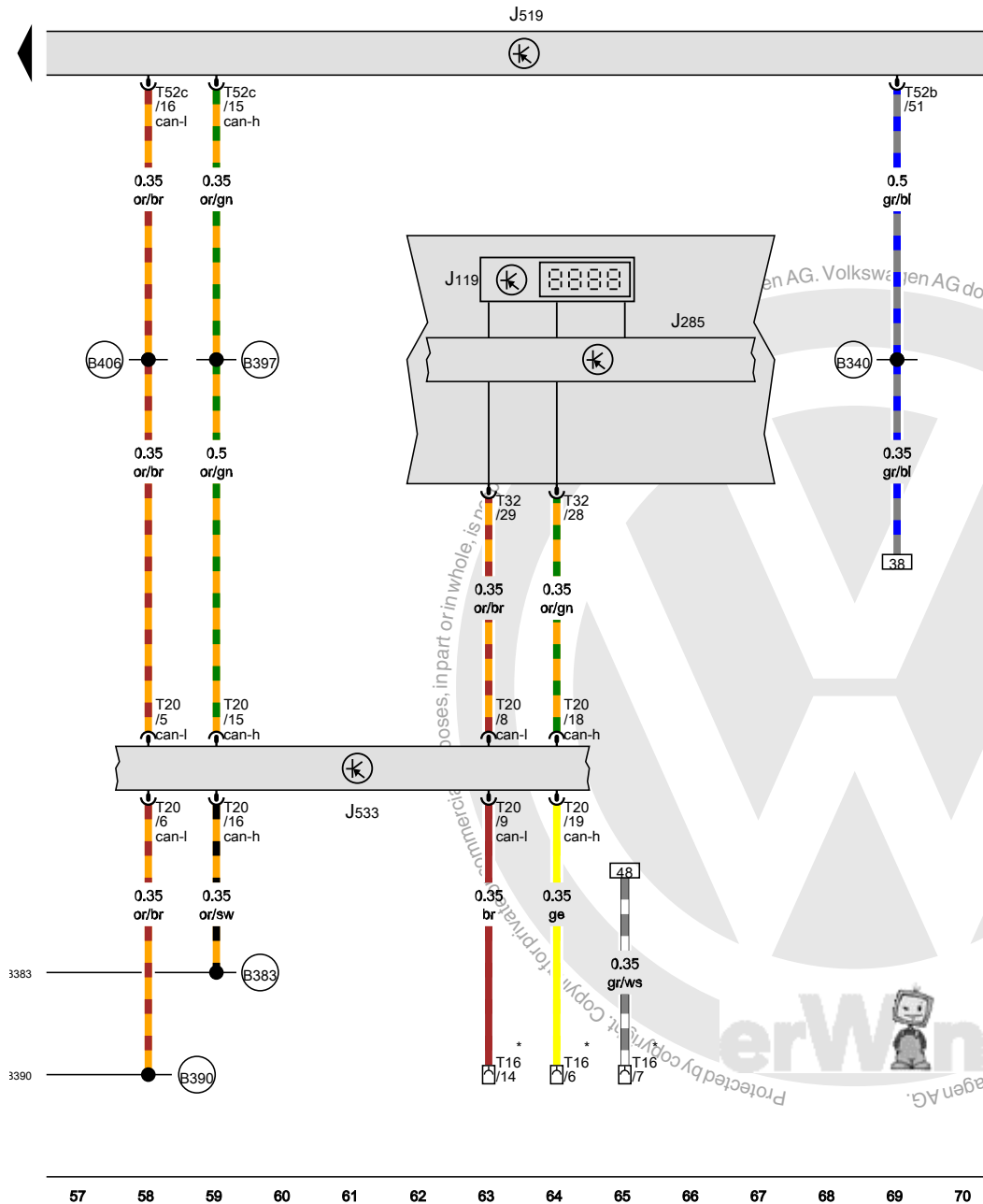
Gearbox oil temperature sender, Gear selector movement sensor 3, Gear selector movement sensor 4, Temperature sender in control unit, Onboard supply control unit, Mechatronic unit for dual clutch gearbox

- G93 Gearbox oil temperature sender
- G489 Gear selector movement sensor 3
- G490 Gear selector movement sensor 4
- G510 Temperature sender in control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- J743 Mechatronic unit for dual clutch gearbox, on gearbox
- T20e 20-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness
- (D112) Connection 10 in engine compartment wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with start/stop system
- *3 Only models with diesel engine
- *4 Only models with no start/stop system

- 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



**Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface**

- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- B340 Connection 1 (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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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

17C00-037060314

Convenience system (with no electric window regulators)

From August 2010



Onboard supply control unit, Fuse holder C

- J519 Onboard supply control unit
- SA5 Fuse 5 in fuse holder A
- SC Fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- T52b 52-pin connector, white

A167 Positive connection 3 (30a) in dash panel wiring harness

B169 Positive connection 1 (30), in interior wiring harness

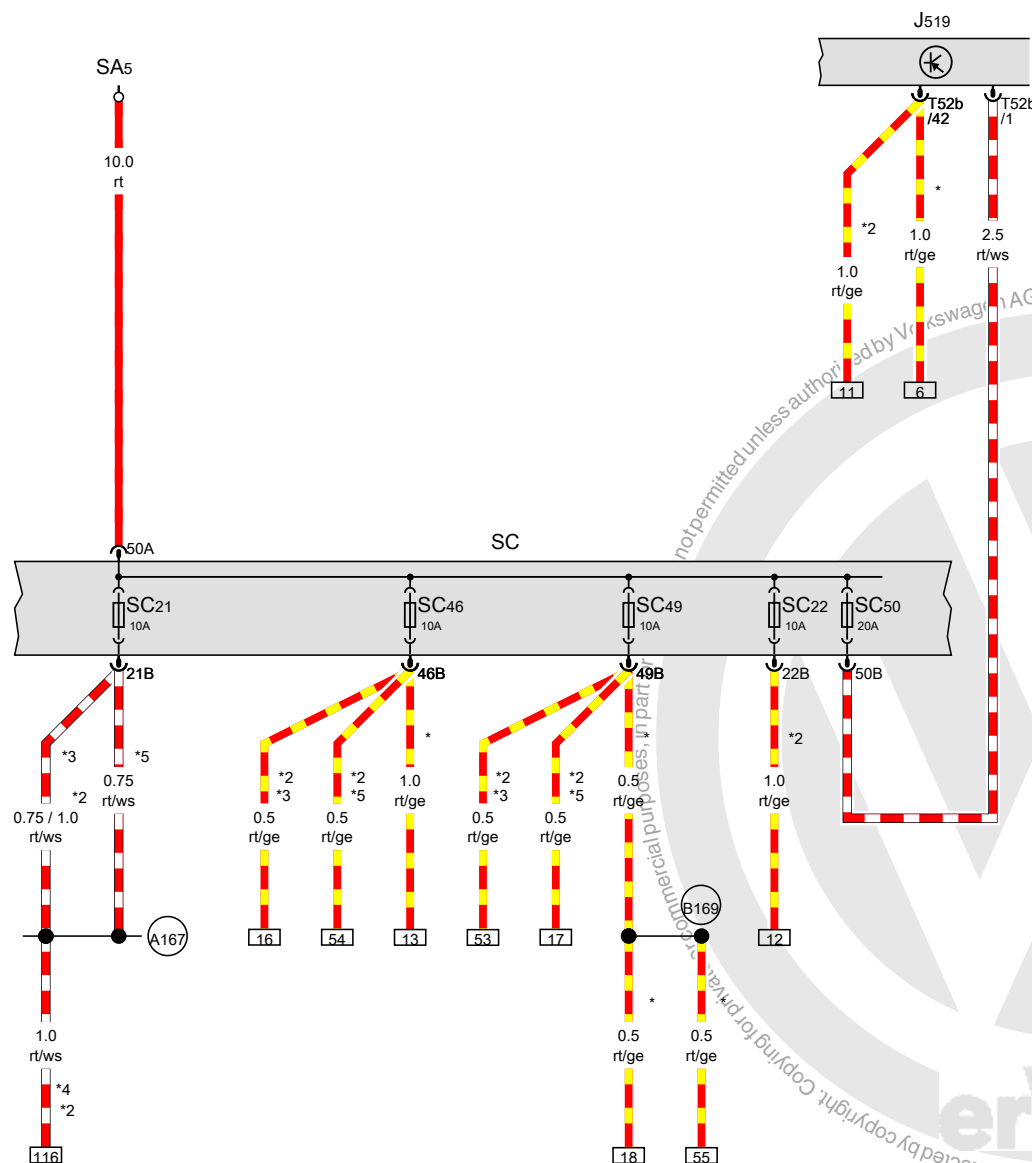
* Up to April 2011

*2 From May 2011

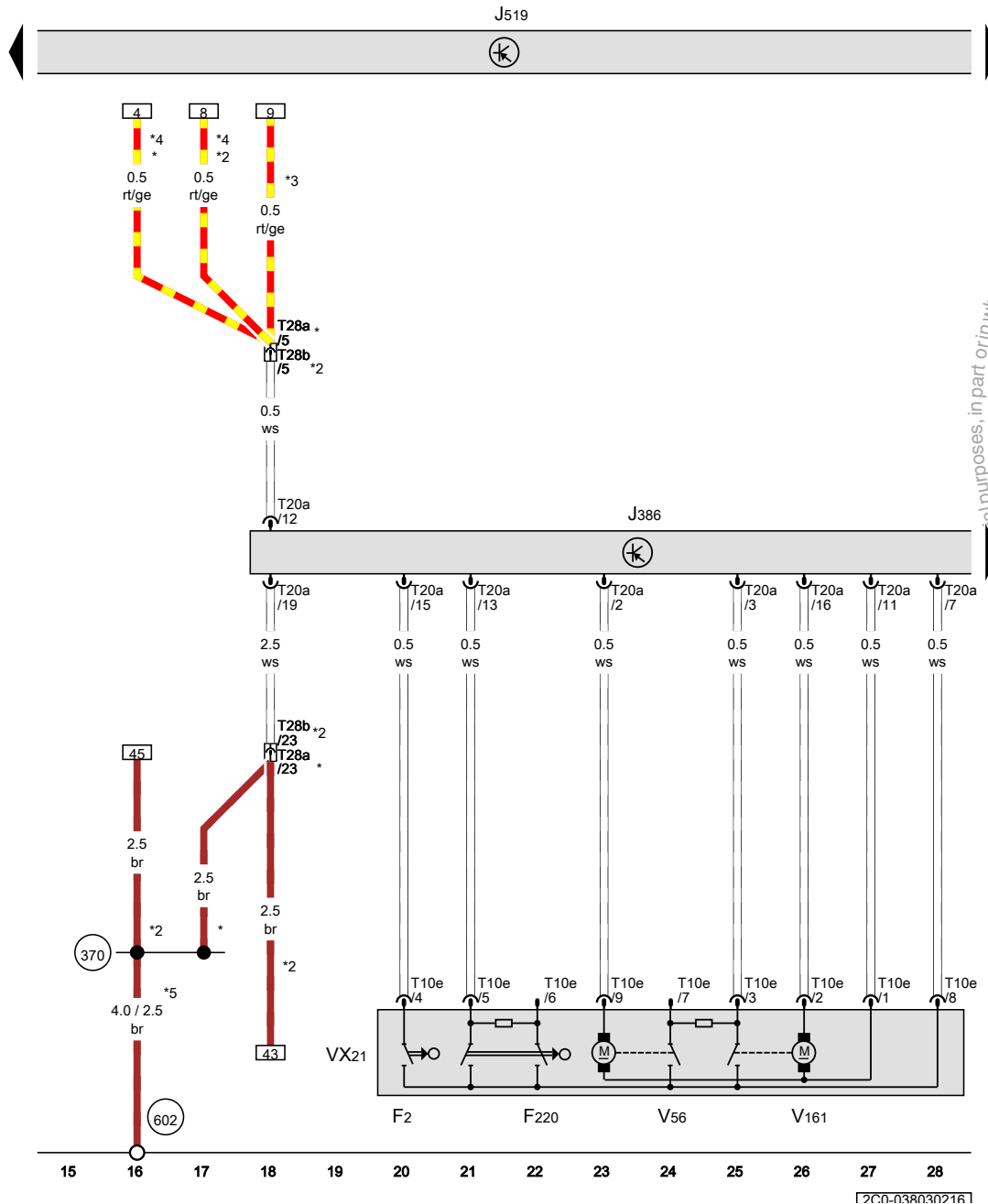
*3 Only left-hand drive models

*4 Only Camper

*5 Only right-hand drive models



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



Driver door contact switch, Driver side central locking lock unit, Driver door control unit, Onboard supply control unit, Driver door lock unit, Driver door central locking motor, Driver door central locking SAFELOCK function motor

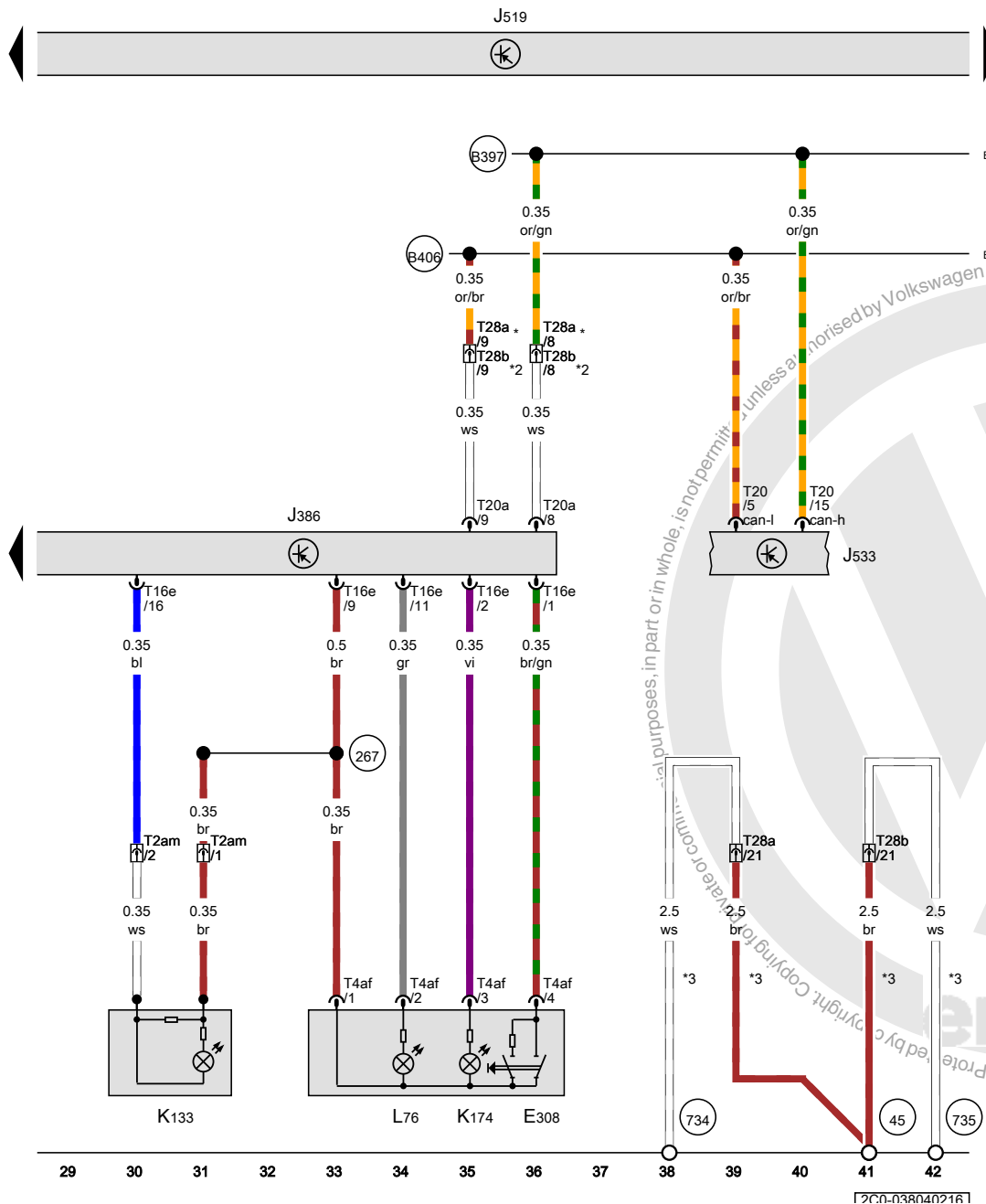
- F2 Driver door contact switch
- F220 Driver side central locking lock unit
- J386 Driver door control unit
- J519 Onboard supply control unit
- T10e 10-pin connector, black
- T20a 20-pin connector, black
- T28a 28-pin connector, in left A-pillar coupling station, black
- T28b 28-pin connector, in right A-pillar coupling station, black
- VX21 Driver door lock unit
- V56 Driver door central locking motor
- V161 Driver door central locking SAFELOCK function motor

370 Earth connection 5, in main wiring harness

602 Earth point, in front left footwell

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Up to April 2011
- *4 From May 2011
- *5 From November 2012

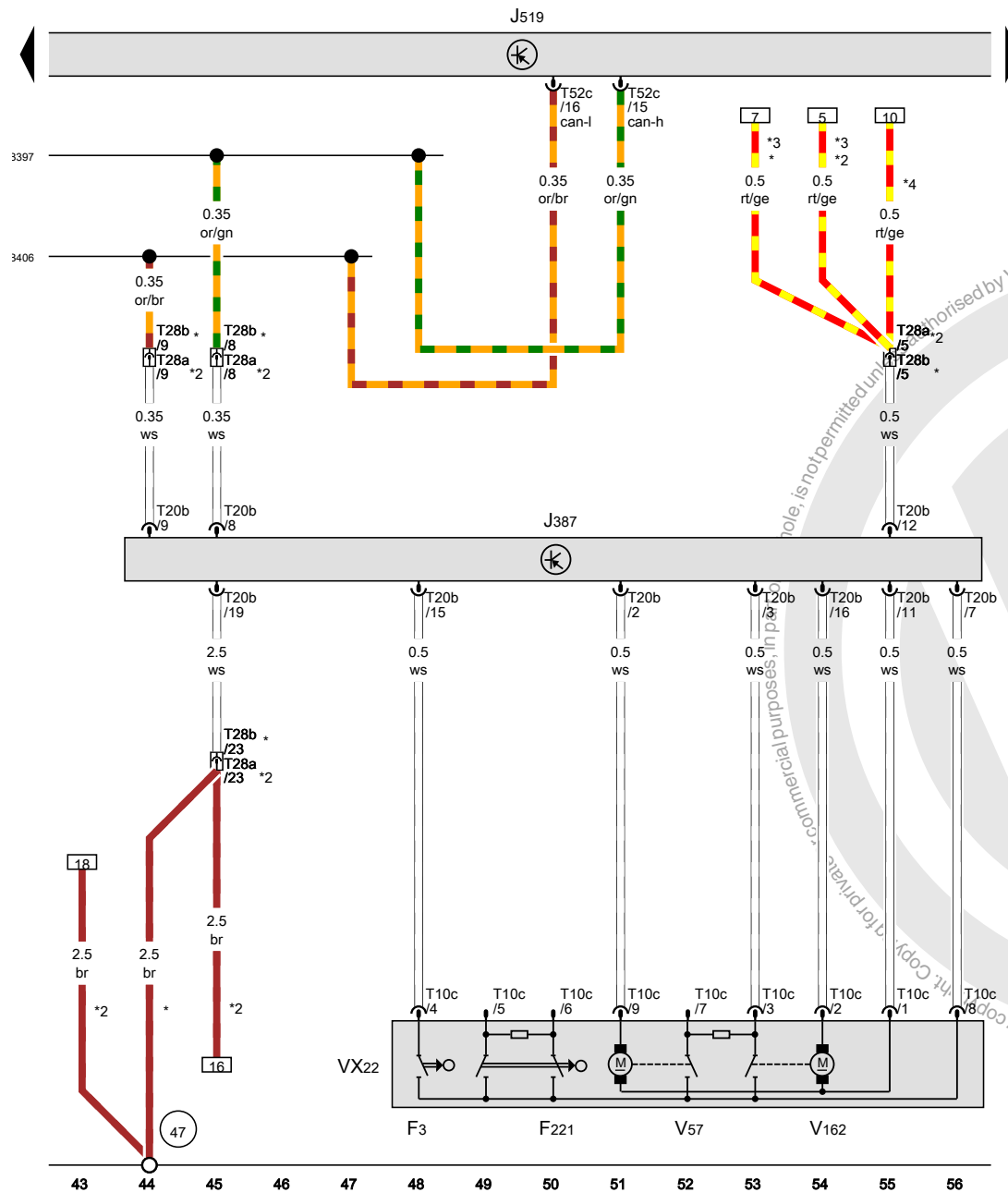
Driver side interior locking button for central locking system, Driver door control unit, Onboard supply control unit, Data bus diagnostic interface, Central locking SAFELOCK function warning lamp



- E308 Driver side interior locking button for central locking system
- J386 Driver door control unit
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K133 Central locking SAFELOCK function warning lamp
- K174 Driver side interior locking warning lamp
- L76 Button illumination bulb
- T2am 2-pin connector, in driver door
- T4af 4-pin connector
- T16e 16-pin connector
- T20 20-pin connector, red
- T20a 20-pin connector, black
- T28a 28-pin connector, in left A-pillar coupling station, black
- T28b 28-pin connector, in right A-pillar coupling station, black

- 45 Earth point, centre behind dash panel
- 47 Earth point, in front right footwell
- 267 Earth connection 2, in drive side door wiring harness
- 734 Earth point in front left door
- 735 Earth point in front right door
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Only models with radio navigation system

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



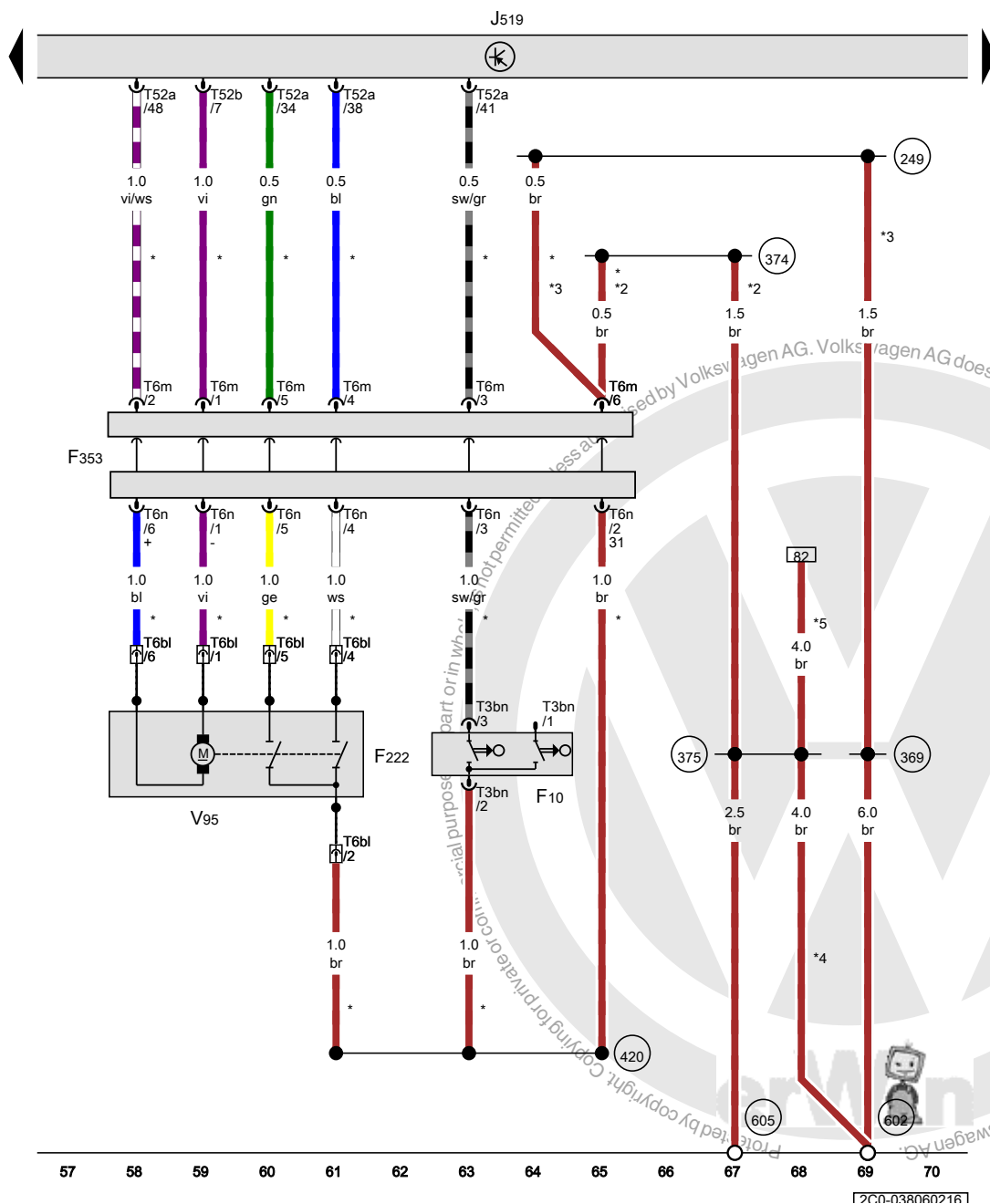
Front passenger door contact switch, Front passenger side central locking lock unit, Front passenger door control unit, Onboard supply control unit, Front passenger door lock unit, Front passenger door central locking motor, Front passenger door central locking SAFELOCK function motor

- F3 Front passenger door contact switch
- F221 Front passenger side central locking lock unit
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- T10c 10-pin connector, black
- T20b 20-pin connector, black
- T28a 28-pin connector, in left A-pillar coupling station, black
- T28b 28-pin connector, in right A-pillar coupling station, black
- T52c 52-pin connector, brown
- VX22 Front passenger door lock unit
- V57 Front passenger door central locking motor
- V162 Front passenger door central locking SAFELOCK function motor

- 47 Earth point, in front right footwell
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 From May 2011
- *4 Up to April 2011

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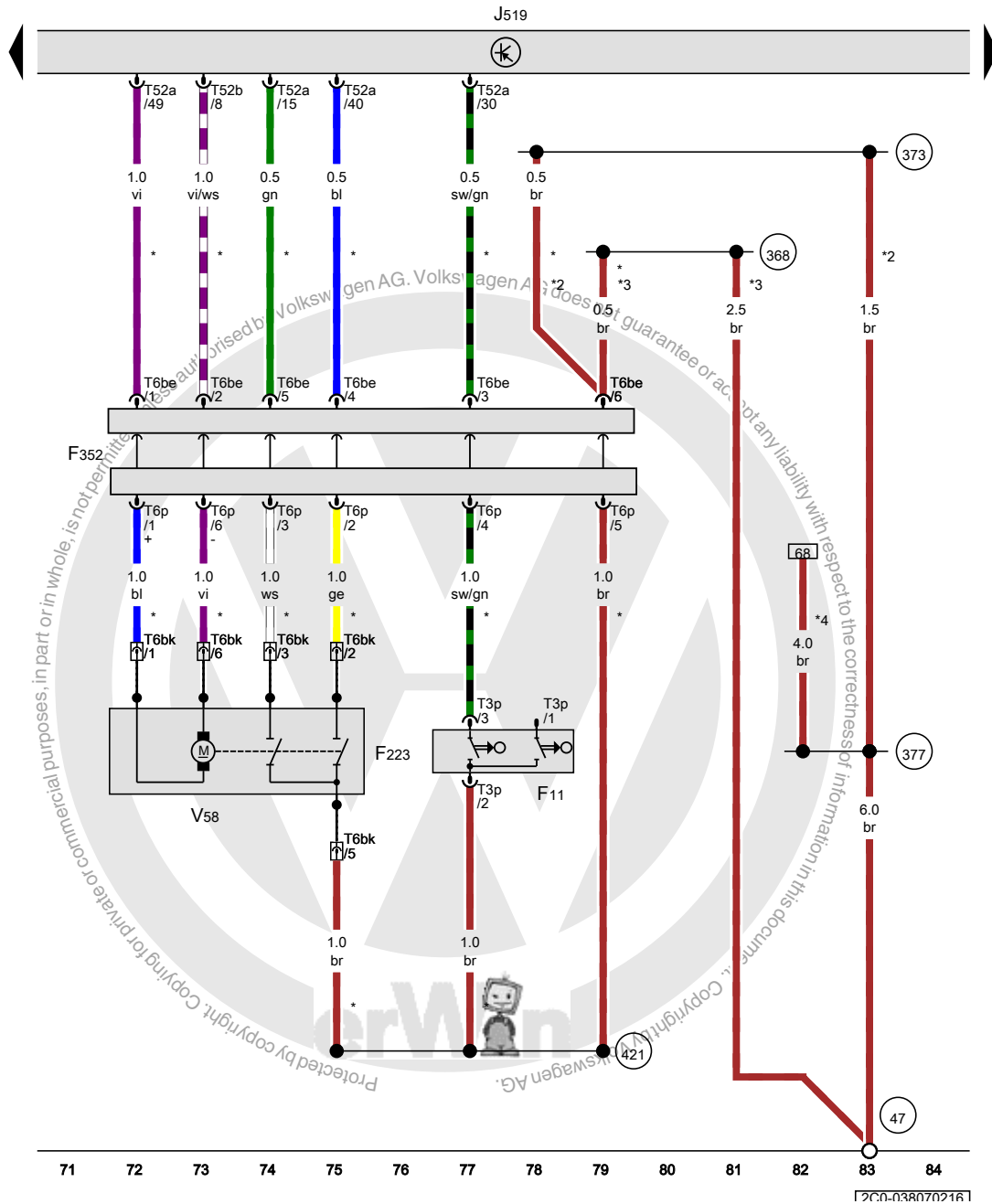


Rear left door contact switch, Rear left central locking lock unit, Contact strip in left sliding door, Onboard supply control unit

- F10 Rear left door contact switch
- F222 Rear left central locking lock unit
- F353 Contact strip in left sliding door
- J519 Onboard supply control unit
- T3bn 3-pin connector, black
- T6bl 6-pin connector, in left sliding door, black
- T6m 6-pin connector, black
- T6n 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V95 Left sliding door central locking motor

- 249 Earth connection 2, in interior wiring harness
- 369 Earth connection 4, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 420 Earth connection 1, in left sliding door wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- *2 Only models with left sliding door
- *3 From May 2011
- *4 Up to April 2011
- *5 Only left-hand drive models

Rear right door contact switch, Rear right central locking lock unit, Contact strip in right sliding door, Onboard supply control unit

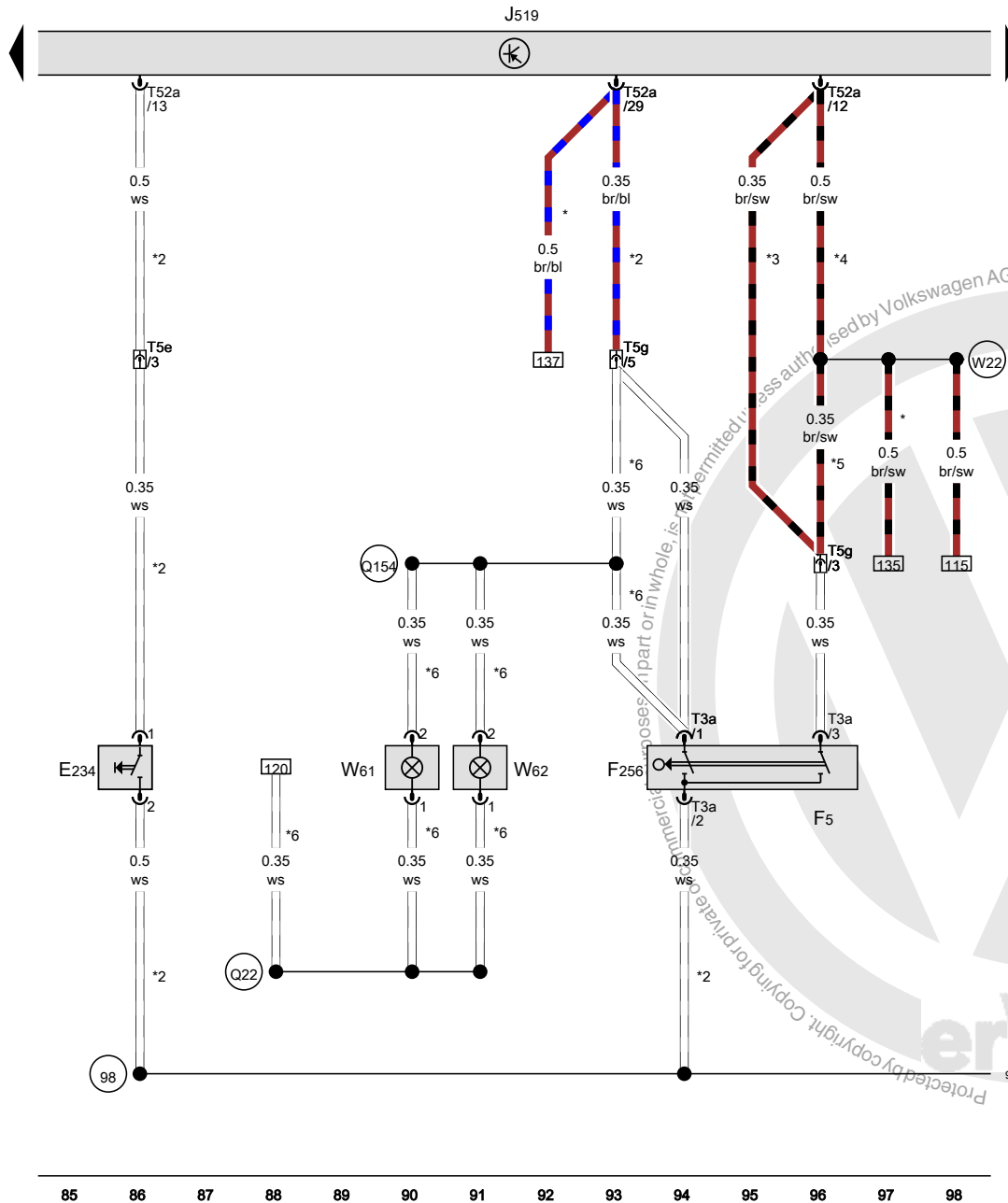


- F11 Rear right door contact switch
- F223 Rear right central locking lock unit
- F352 Contact strip in right sliding door
- J519 Onboard supply control unit
- T3p 3-pin connector, black
- T6be 6-pin connector, black
- T6bk 6-pin connector, in right sliding door
- T6p 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V58 Right sliding door central locking motor

- 47 Earth point, in front right footwell
- 368 Earth connection 3, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 421 Earth connection 1, in right sliding door wiring harness
- * Only models with right sliding door
- *2 From May 2011
- *3 Up to April 2011
- *4 Only right-hand drive models

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Rear lid handle release button, Luggage compartment light switch, Rear lid lock unit, Onboard supply control unit, Surround lighting 1 in rear lid, Surround lighting 2 in rear lid

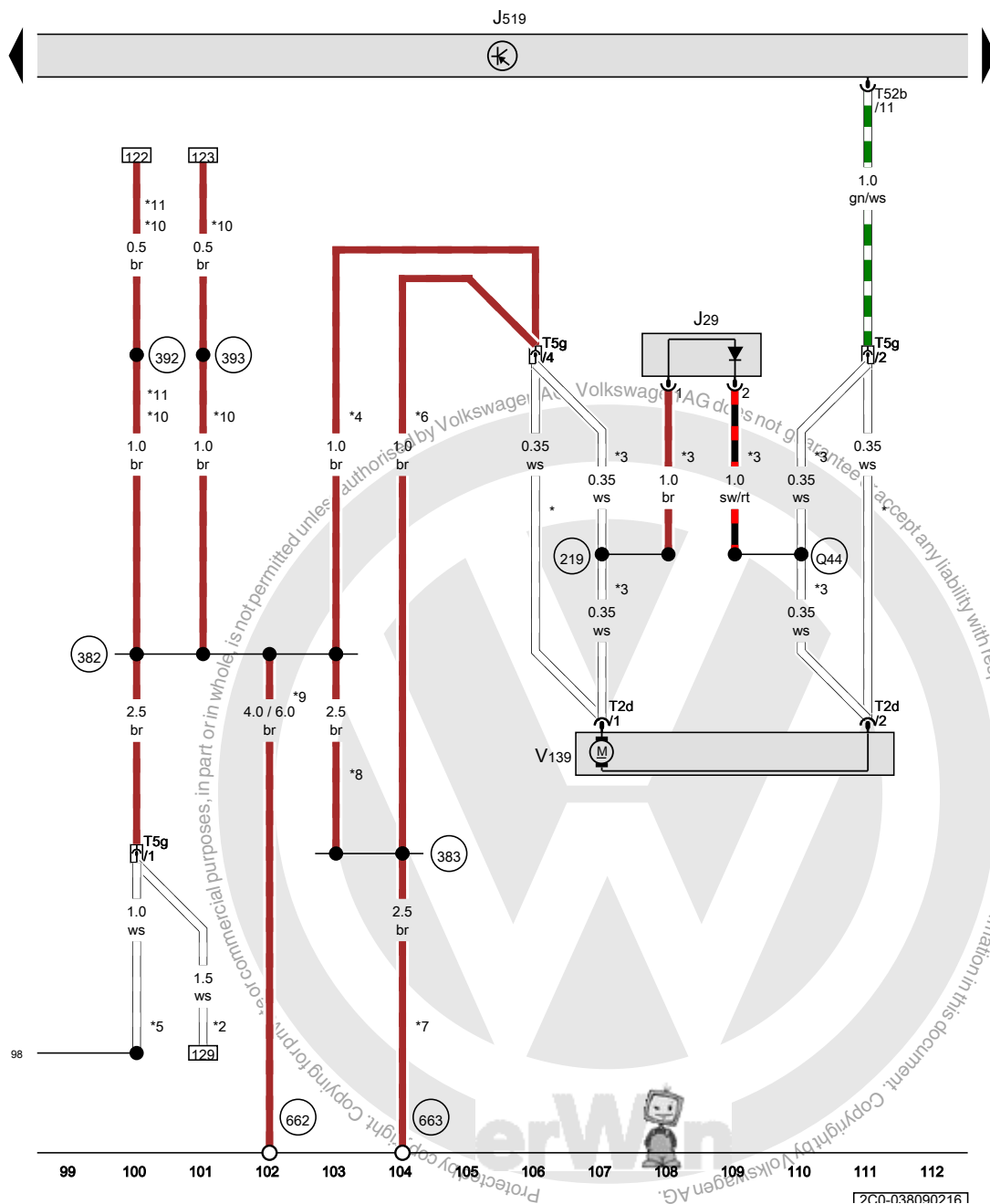


- E234 Rear lid handle release button
- F5 Luggage compartment light switch
- F256 Rear lid lock unit
- J519 Onboard supply control unit
- T3a 3-pin connector
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- W61 Surround lighting 1 in rear lid
- W62 Surround lighting 2 in rear lid
- 98 Earth connection, in rear lid wiring harness
- Q22 Connection 1, in rear lid wiring harness
- Q154 Connection (rear lid contact switch), in rear lid wiring harness
- W22 Connection (door contact switch), in rear wiring harness
- * Only models with wing doors
- *2 Only models with rear lid
- *3 Only models with no luggage compartment light
- *4 Only models with luggage compartment light
- *5 Only panel van
- *6 Only Camper

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85 86 87 88 89 90 91 92 93 94 95 96 97 98

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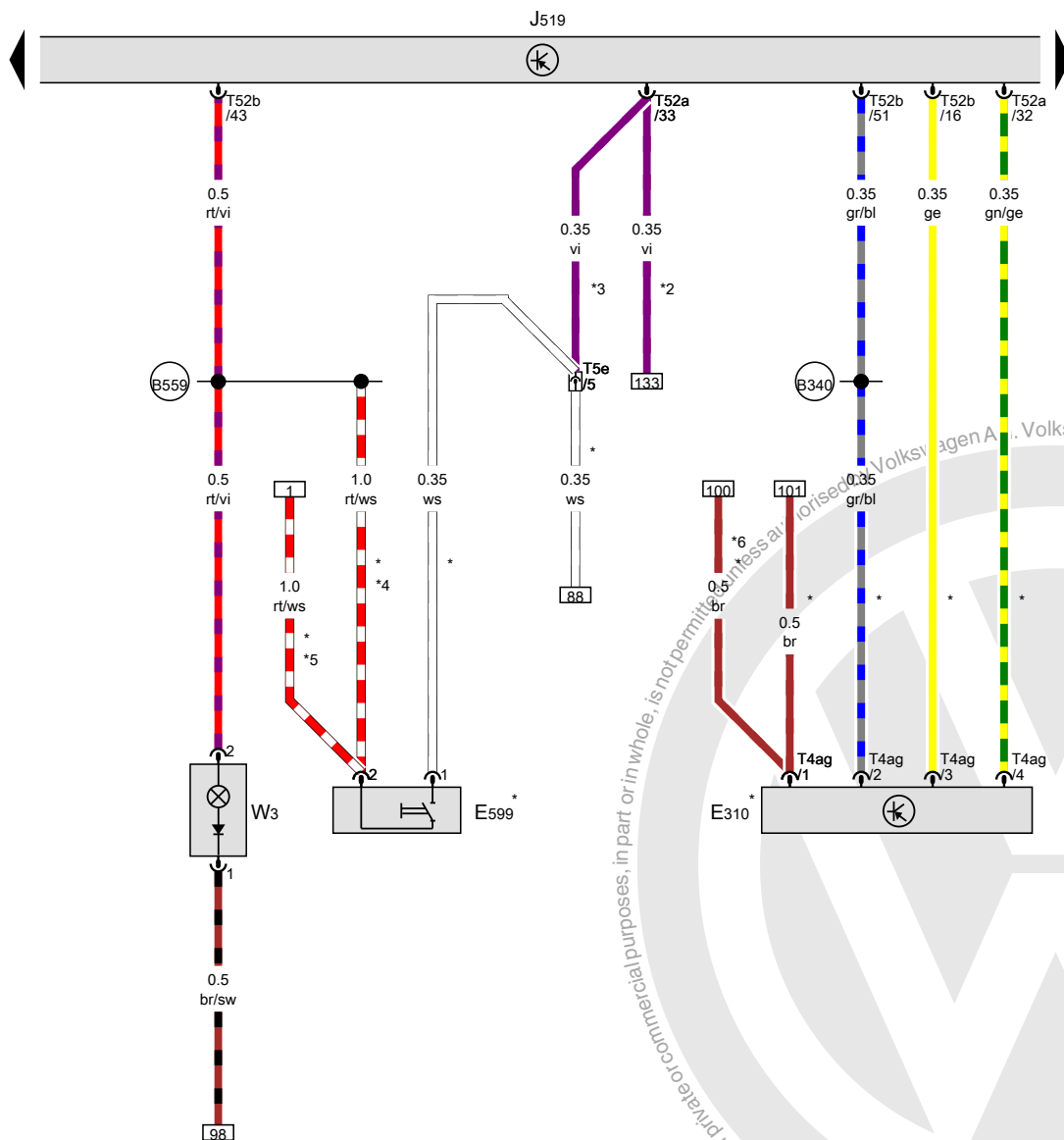


Blocking diode, Onboard supply control unit, Rear lid release motor

- J29 Blocking diode
- J519 Onboard supply control unit
- T2d 2-pin connector, black
- T5g 5-pin connector, in rear left side panel, brown
- T52b 52-pin connector, white
- V139 Rear lid release motor

- 98 Earth connection, in rear lid wiring harness
- 219 Earth connection 2, in rear lid wiring harness
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 392 Earth connection 27, in main wiring harness
- 393 Earth connection 28, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- Q44 Connection 2, in rear lid wiring harness

- * Only panel van
- *2 Only models with wing doors
- *3 Only Kombi models
- *4 Up to April 2011
- *5 Only models with rear lid
- *6 From May 2011
- *7 Optional equipment
- *8 Only models with basic equipment
- *9 According to equipment
- *10 Only Camper
- *11 Only Caddy Maxi



**Rear left interior locking button for central locking system,
Interior illumination switch, Onboard supply control unit,
Luggage compartment light**

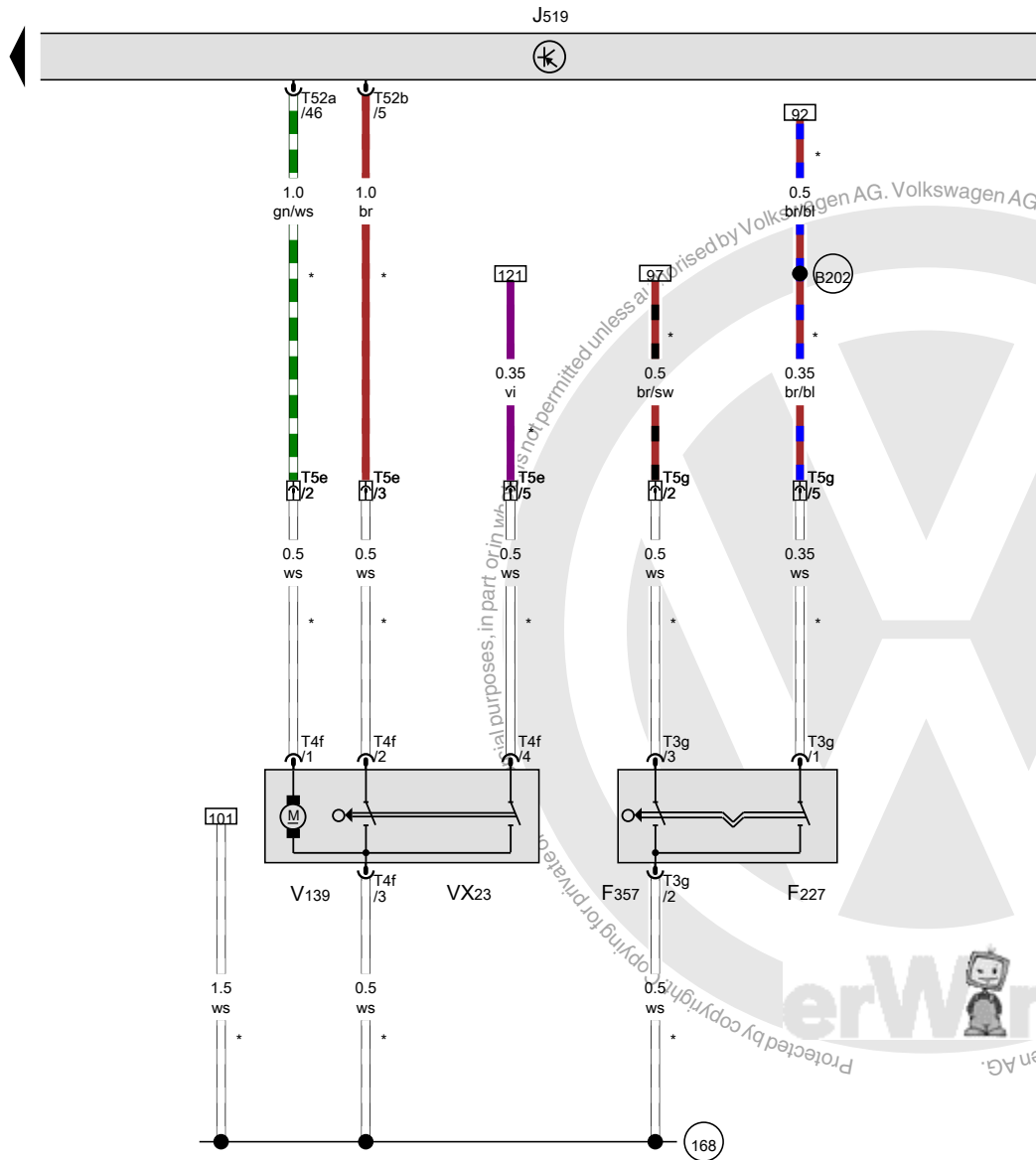
- E310 Rear left interior locking button for central locking system, in luggage compartment, rear left
- E599 Interior illumination switch
- J519 Onboard supply control unit
- T4ag 4-pin connector
- T5e 5-pin connector, in rear left side panel, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- W3 Luggage compartment light

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

B559 Positive connection 1 (30g), in main wiring harness

- * Only Camper
- *2 Only models with wing doors
- *3 Only models with rear lid
- *4 Up to April 2011
- *5 From May 2011
- *6 Only Caddy Maxi

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Rear left door contact switch, Left luggage compartment light switch, Onboard supply control unit, Rear left door lock unit, Rear lid release motor

- F227 Rear left door contact switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- T3g 3-pin connector, black
- T4f 4-pin connector, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- VX23 Rear left door lock unit
- V139 Rear lid release motor

168 Earth connection, in rear left wing door wiring harness

B202 Connection 3 (DCt), in interior wiring harness

* Only models with wing doors

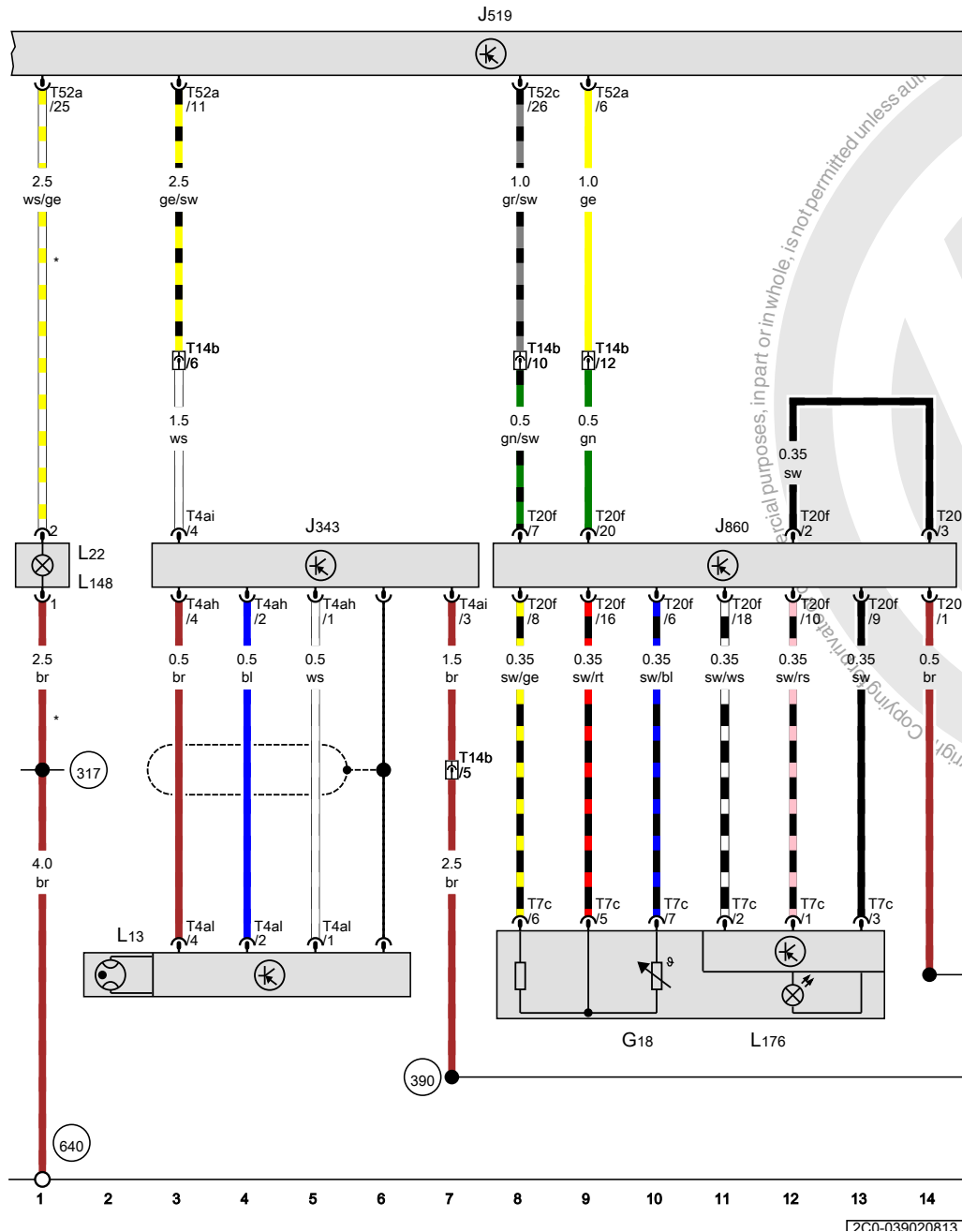
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Gas discharge headlights (bi-xenon) with automatic headlight range control, cornering light, LED daytime running lights

From November 2012



Left gas discharge bulb control unit, Left gas discharge (xenon) bulb, Left fog light bulb, Left cornering light bulb, Left LED module for daytime running light and side light



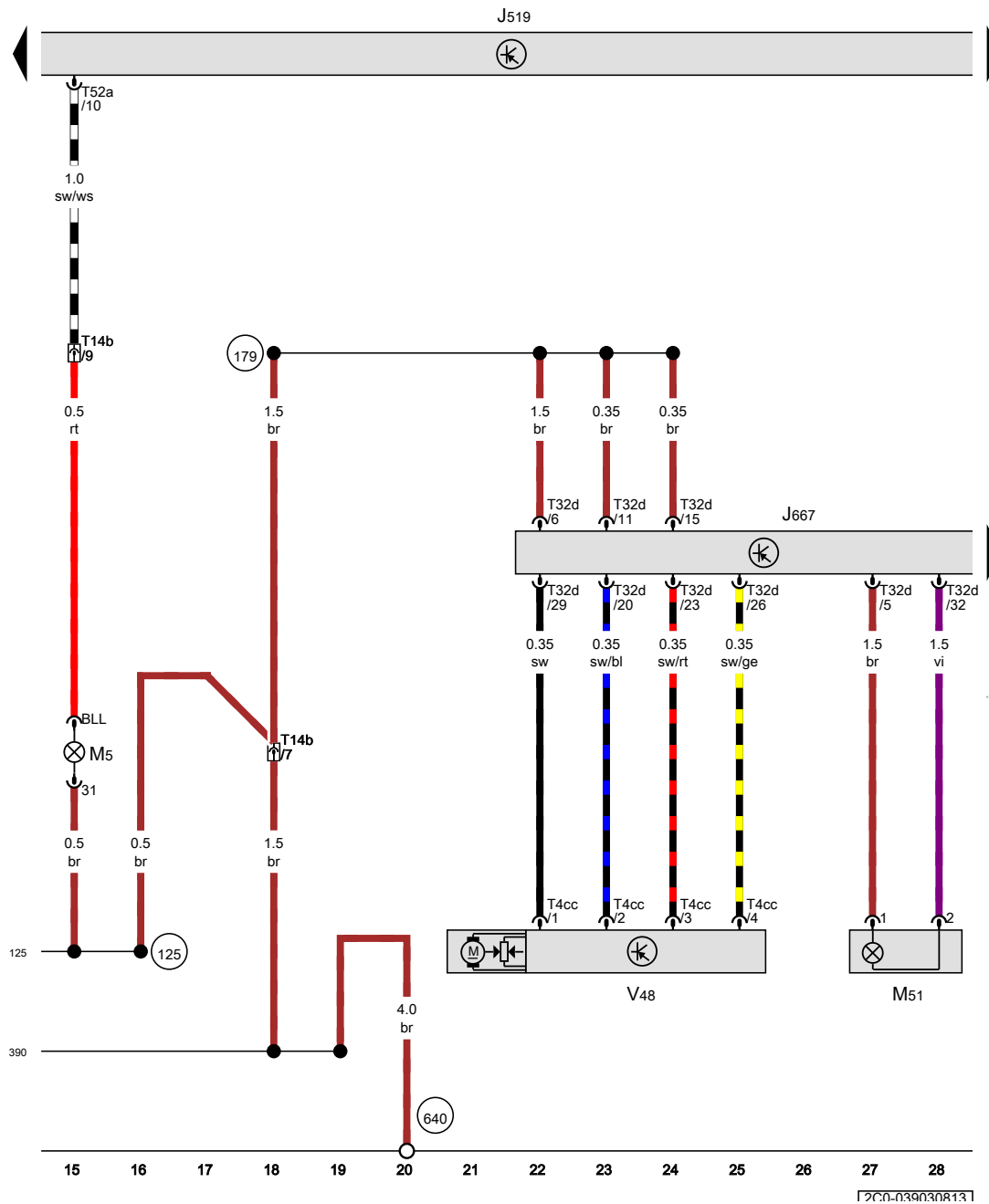
- G18 Temperature sensor
- J343 Left gas discharge bulb control unit
- J519 Onboard supply control unit
- J860 Control unit for left daytime running light and side light, on left headlight
- L13 Left gas discharge (xenon) bulb
- L22 Left fog light bulb
- L148 Left cornering light bulb
- L176 Left LED module for daytime running light and side light
- T4ah 4-pin connector
- T4ai 4-pin connector
- T4al 4-pin connector
- T7c 7-pin connector
- T14b 14-pin connector, on left headlight, black
- T20f 20-pin connector
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- 125 Earth connection 3, in headlight wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 390 Earth connection 25, in main wiring harness
- 640 Earth point 2, left in engine compartment
- * Only models with fog lights

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Output module for left headlight, Front left turn signal bulb,
Left static cornering light, Left headlight range control motor

- | | |
|------|---|
| J519 | Onboard supply control unit |
| J667 | Output module for left headlight, on left headlight |
| M5 | Front left turn signal bulb |
| M51 | Left static cornering light |
| T4cc | 4-pin connector |
| T14b | 14-pin connector, on left headlight, black |
| T32d | 32-pin connector |
| T52a | 52-pin connector, black |
| V48 | Left headlight range control motor |

- 125 Earth connection 3, in headlight wiring harness
- 179 Earth connection, in left headlight wiring harness
- 390 Earth connection 25, in main wiring harness
- 640 Earth point 2, left in engine compartment



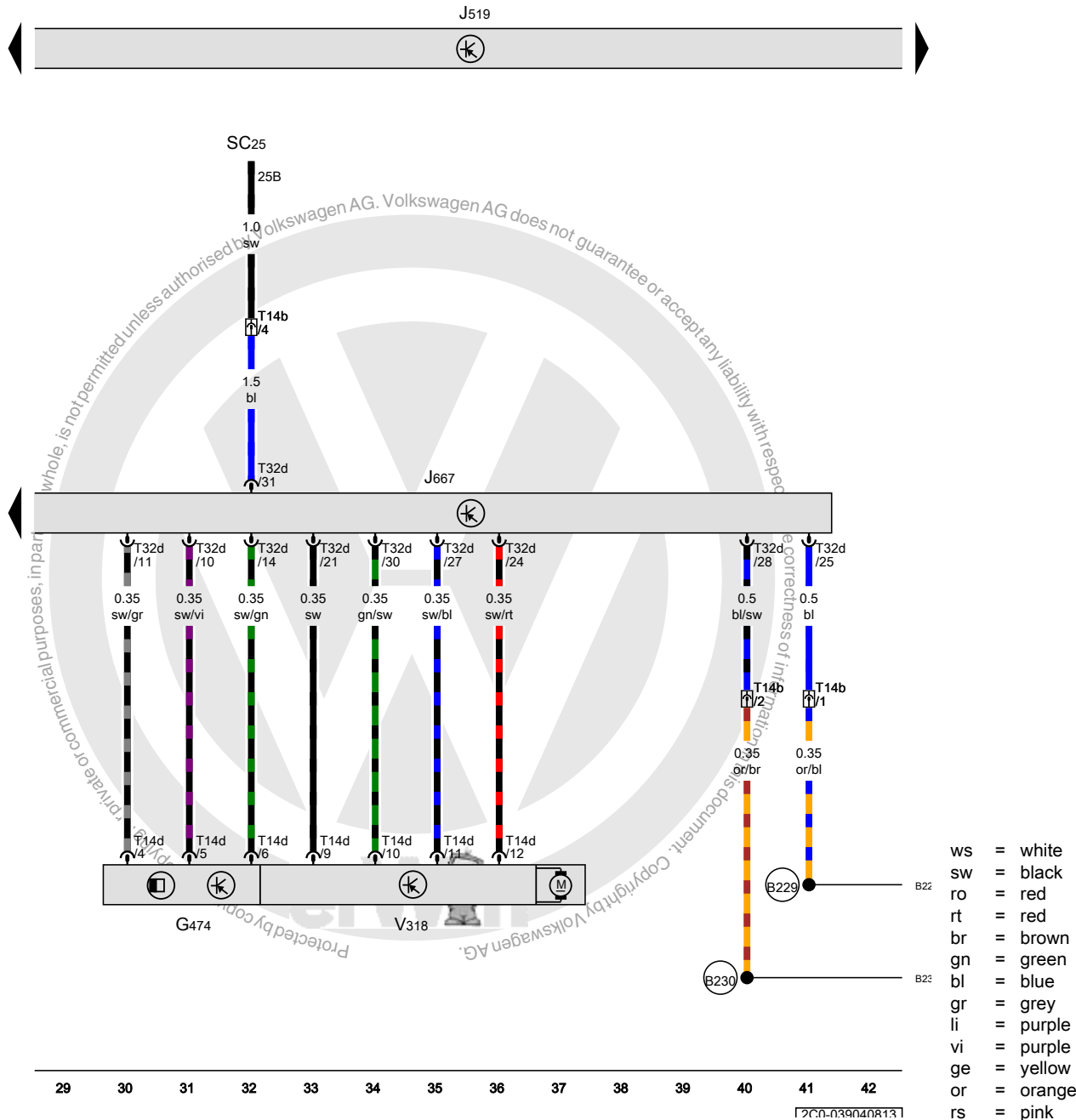
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Left swivel module position sensor, Output module for left headlight, Left dynamic cornering light control motor

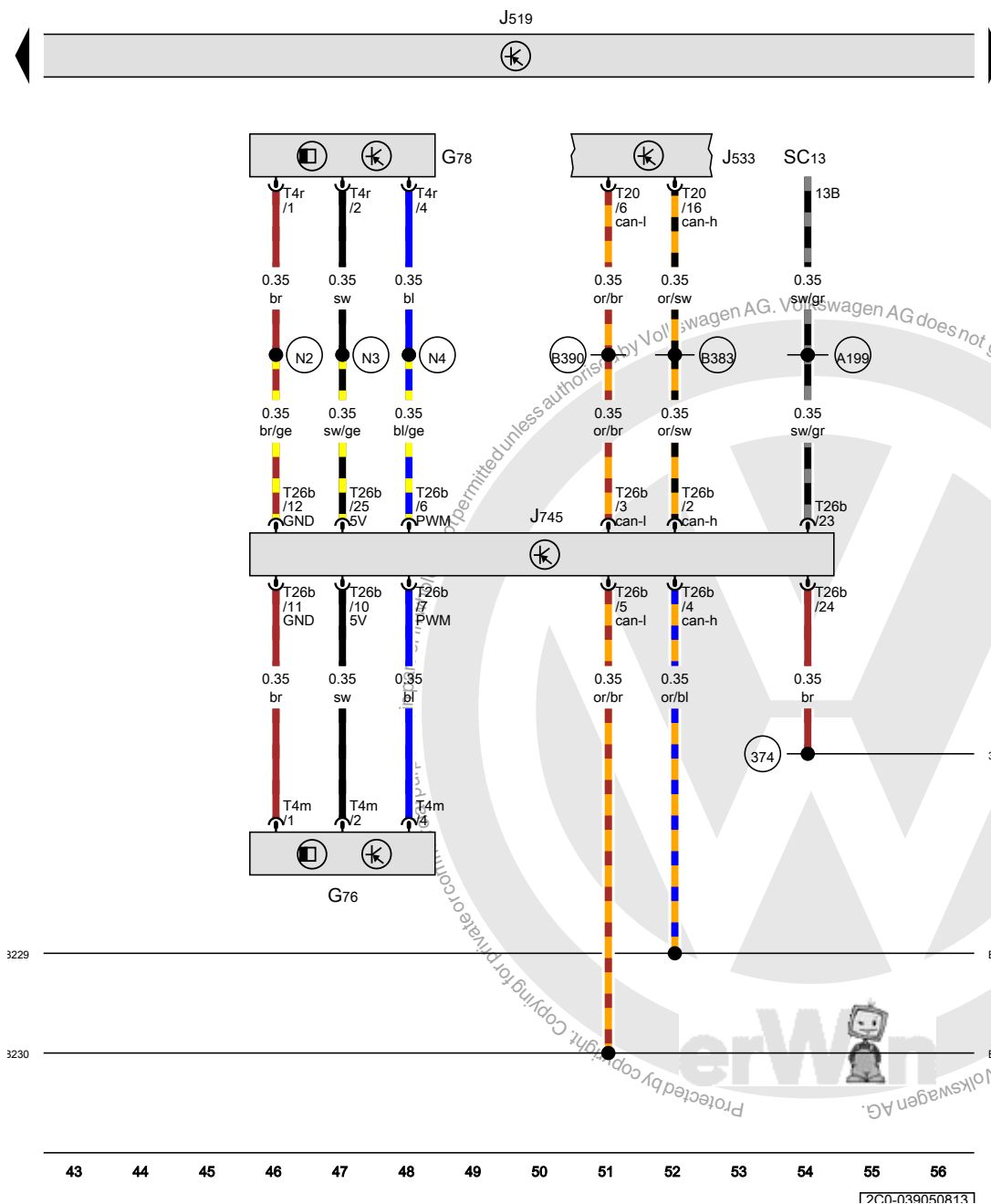
- G474 Left swivel module position sensor
- J519 Onboard supply control unit
- J667 Output module for left headlight, on left headlight
- SC25 Fuse 25 on fuse holder C
- T14b 14-pin connector, on left headlight, black
- T14d 14-pin connector
- T32d 32-pin connector
- V318 Left dynamic cornering light control motor, in left headlight

(B229) Connection (high bus), in interior wiring harness

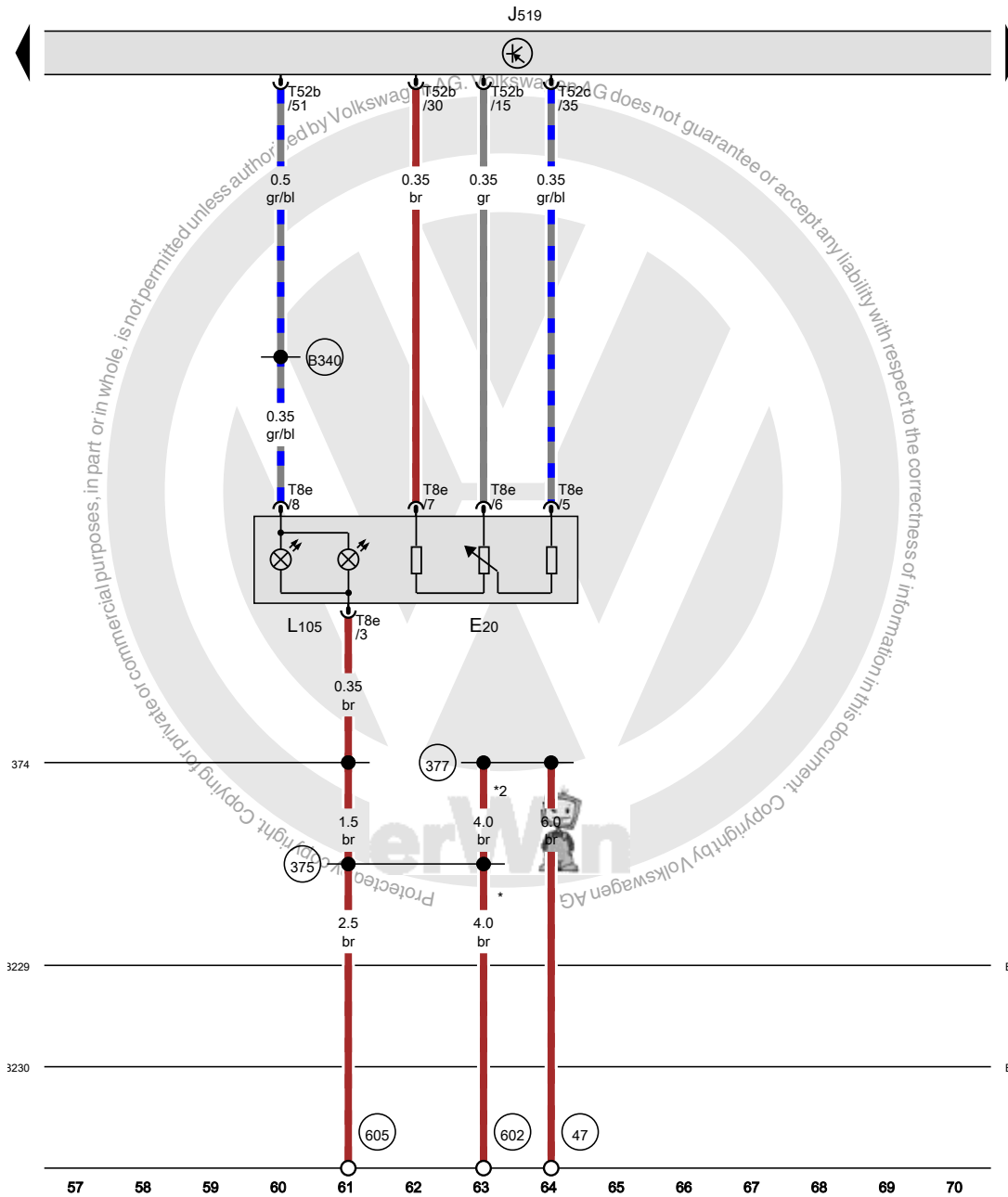
(B230) Connection (low bus), in interior wiring harness



Rear left vehicle level sender, Front left vehicle level sender, Control unit for cornering light and headlight range control



- G76 Rear left vehicle level sender
- G78 Front left vehicle level sender
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J745 Control unit for cornering light and headlight range control
- SC13 Fuse 13 on fuse holder C
- T4m 4-pin connector, black
- T4r 4-pin connector, black
- T20 20-pin connector, red
- T26b 26-pin connector
- 374 Earth connection 9, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B229 Connection (high bus), in interior wiring harness
- B230 Connection (low bus), in interior wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- N2 Connection 1, in headlight range control wiring harness
- N3 Connection 2, in headlight range control wiring harness
- N4 Connection 3, in headlight range control wiring harness



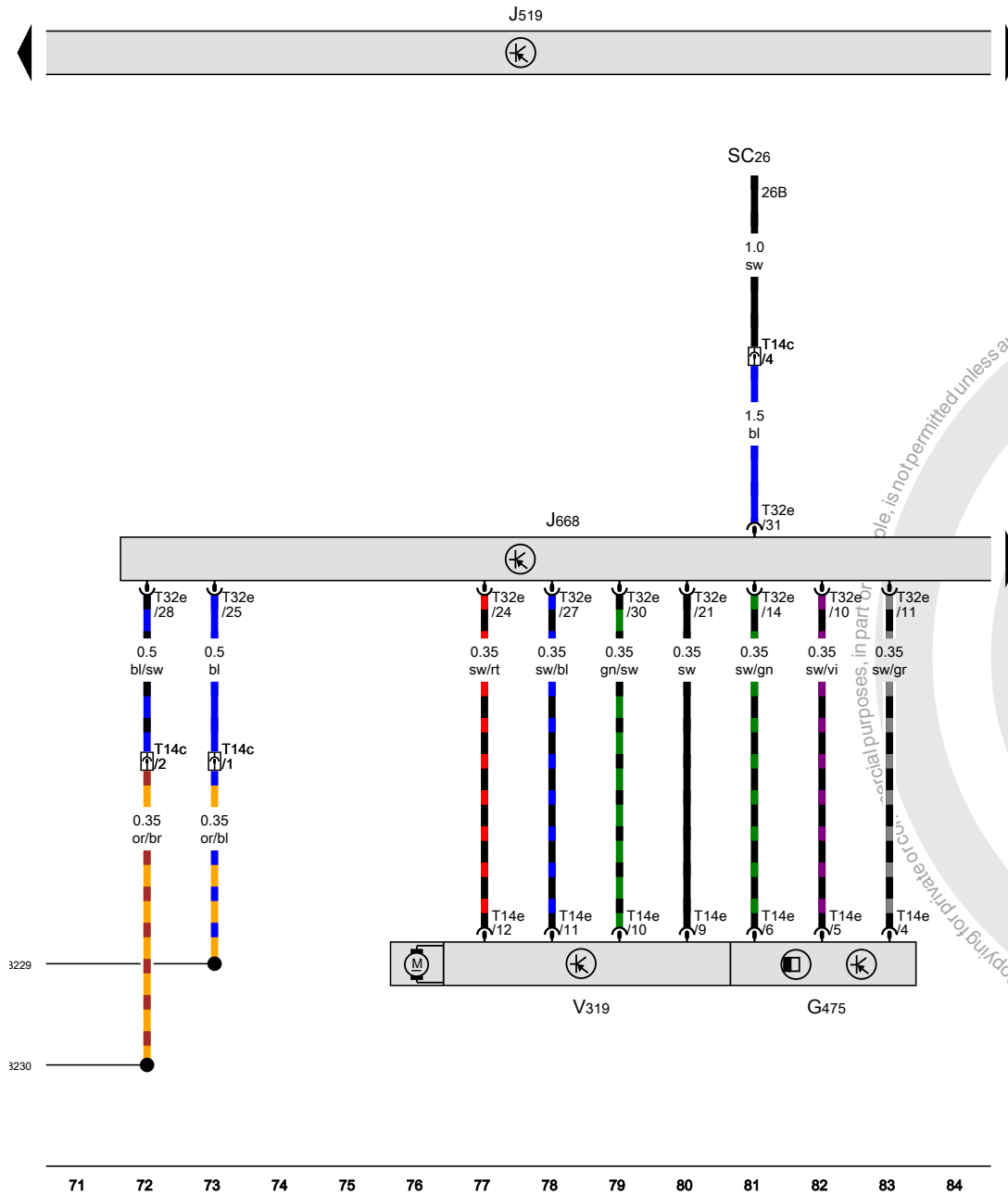
Switch and instrument illumination regulator

- E20 Switch and instrument illumination regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 47 Earth point, in front right footwell
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B229 Connection (high bus), in interior wiring harness
- B230 Connection (low bus), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

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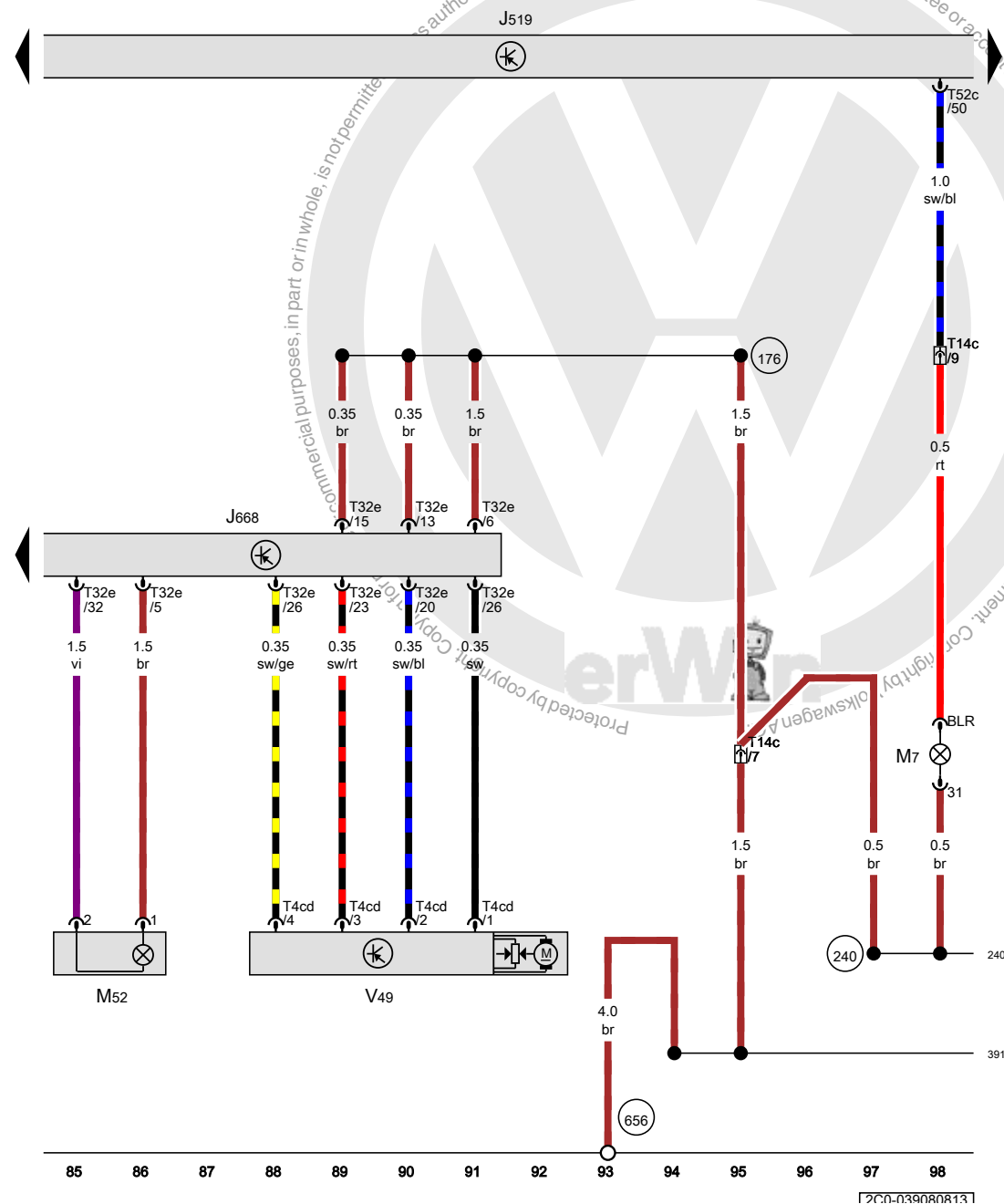
Right swivel module position sensor, Output module for right headlight, Right dynamic cornering light control motor

- G475 Right swivel module position sensor
- J519 Onboard supply control unit
- J668 Output module for right headlight, on right headlight
- SC26 Fuse 26 on fuse holder C
- T14c 14-pin connector, on right headlight, black
- T14e 14-pin connector
- T32e 32-pin connector
- V319 Right dynamic cornering light control motor

B229 Connection (high bus), in interior wiring harness

B230 Connection (low bus), in interior wiring harness

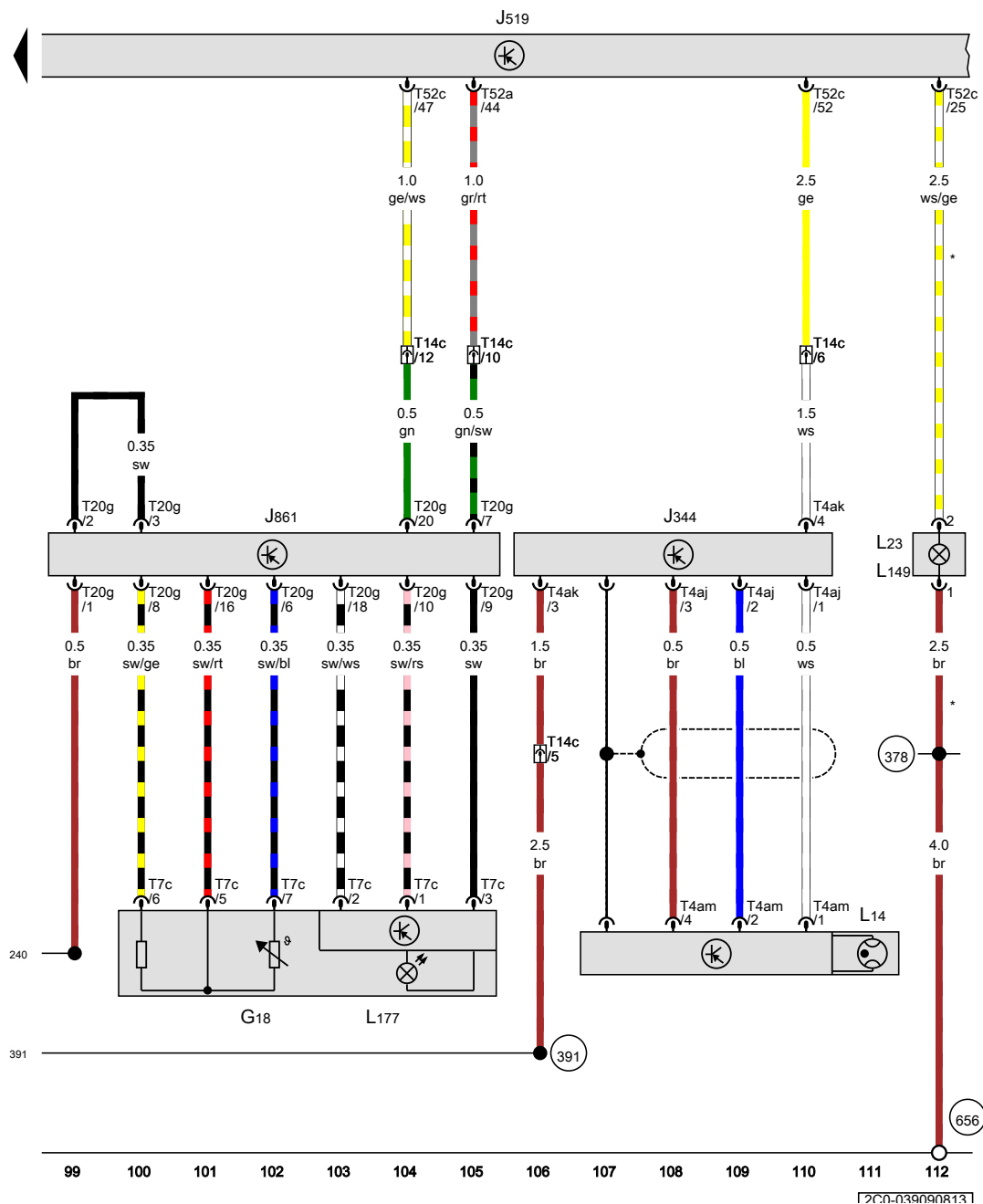
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Output module for right headlight, Front right turn signal bulb, Right static cornering light, Right headlight range control motor

- J519 Onboard supply control unit
- J668 Output module for right headlight, on right headlight
- M7 Front right turn signal bulb
- M52 Right static cornering light
- T4cd 4-pin connector
- T14c 14-pin connector, on right headlight, black
- T32e 32-pin connector
- T52c 52-pin connector, brown
- V49 Right headlight range control motor

- 176 Earth connection, in right headlight wiring harness
- 240 Earth connection 4, in headlight wiring harness
- 391 Earth connection 26, in main wiring harness
- 656 Earth point, on right headlight



Right gas discharge bulb control unit, Right gas discharge (xenon) bulb, Right fog light bulb, Right cornering light bulb, Right LED module for daytime running light and side light

- G18 Temperature sensor
- J344 Right gas discharge bulb control unit
- J519 Onboard supply control unit
- J861 Control unit for right daytime running light and side light, on right headlight
- L14 Right gas discharge (xenon) bulb
- L23 Right fog light bulb
- L149 Right cornering light bulb
- L177 Right LED module for daytime running light and side light
- T4aj 4-pin connector
- T4ak 4-pin connector
- T4am 4-pin connector
- T7c 7-pin connector
- T14c 14-pin connector, on right headlight, black
- T20g 20-pin connector
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- 240 Earth connection 4, in headlight wiring harness
- 378 Earth connection 13, in main wiring harness
- 391 Earth connection 26, in main wiring harness
- 656 Earth point, on right headlight
- * Only models with fog lights

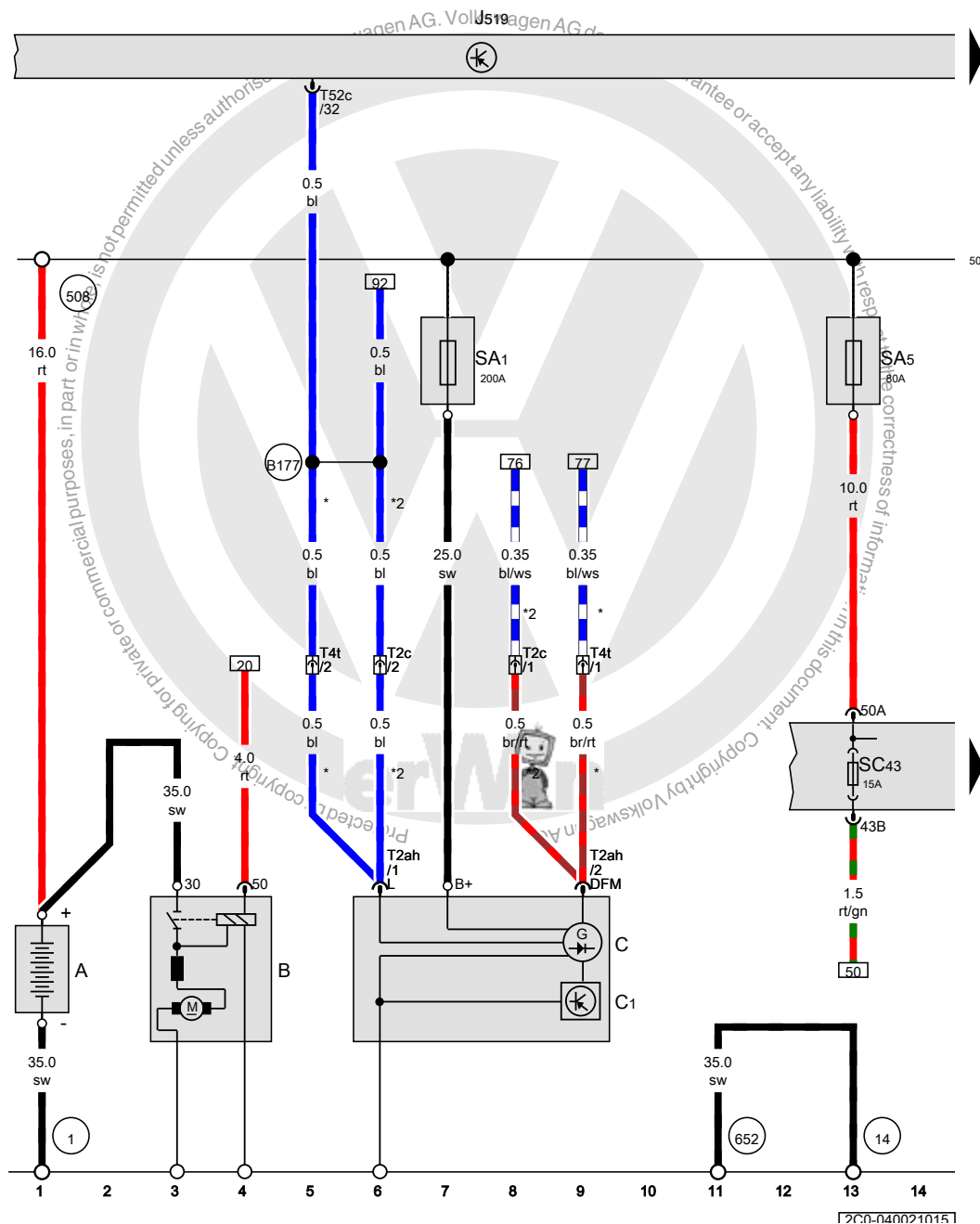
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2.0l diesel engine , CFHC,CFHE,CFHF,CFJA,CLCA,CLCB

From November 2011

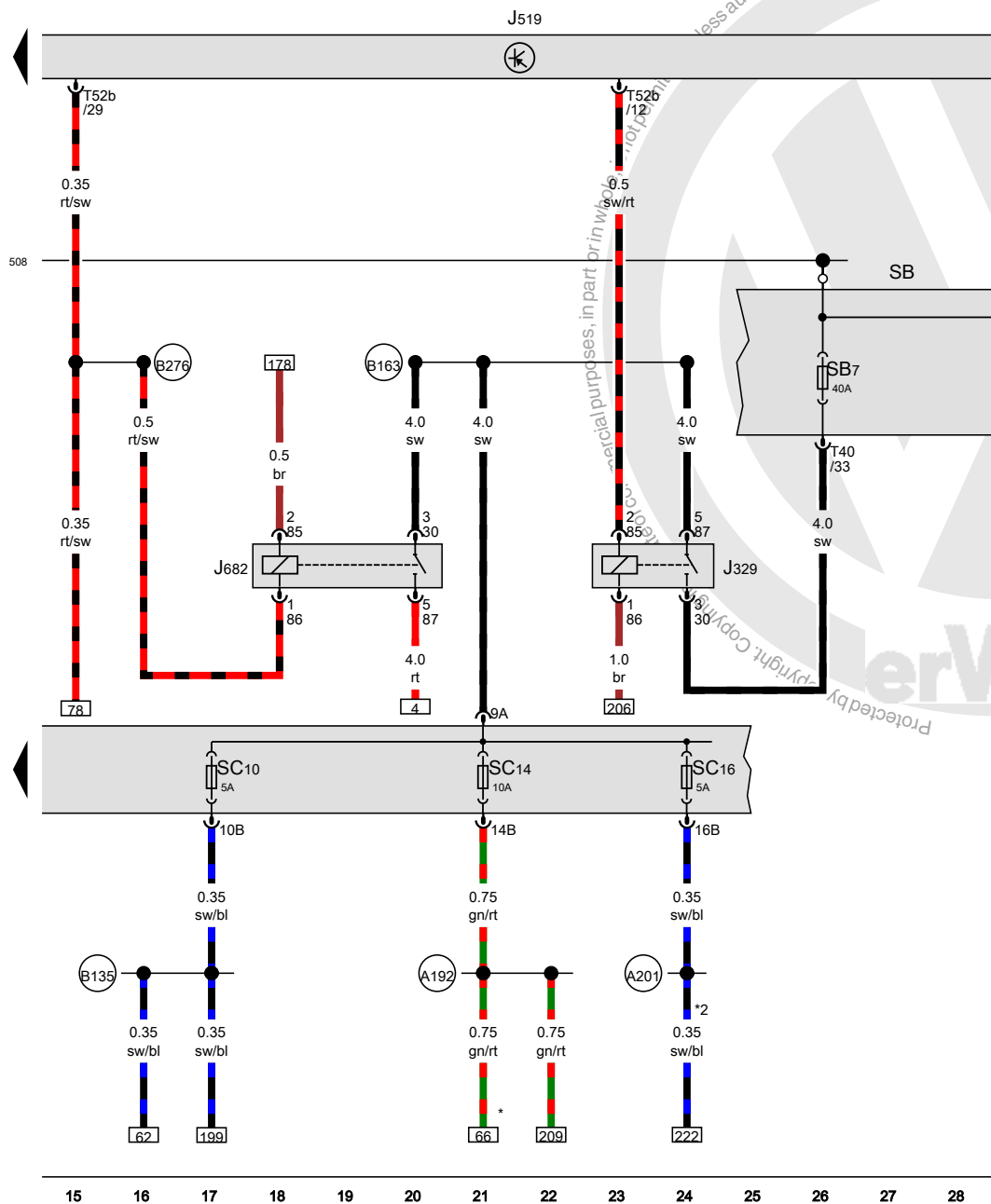


**Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C**



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

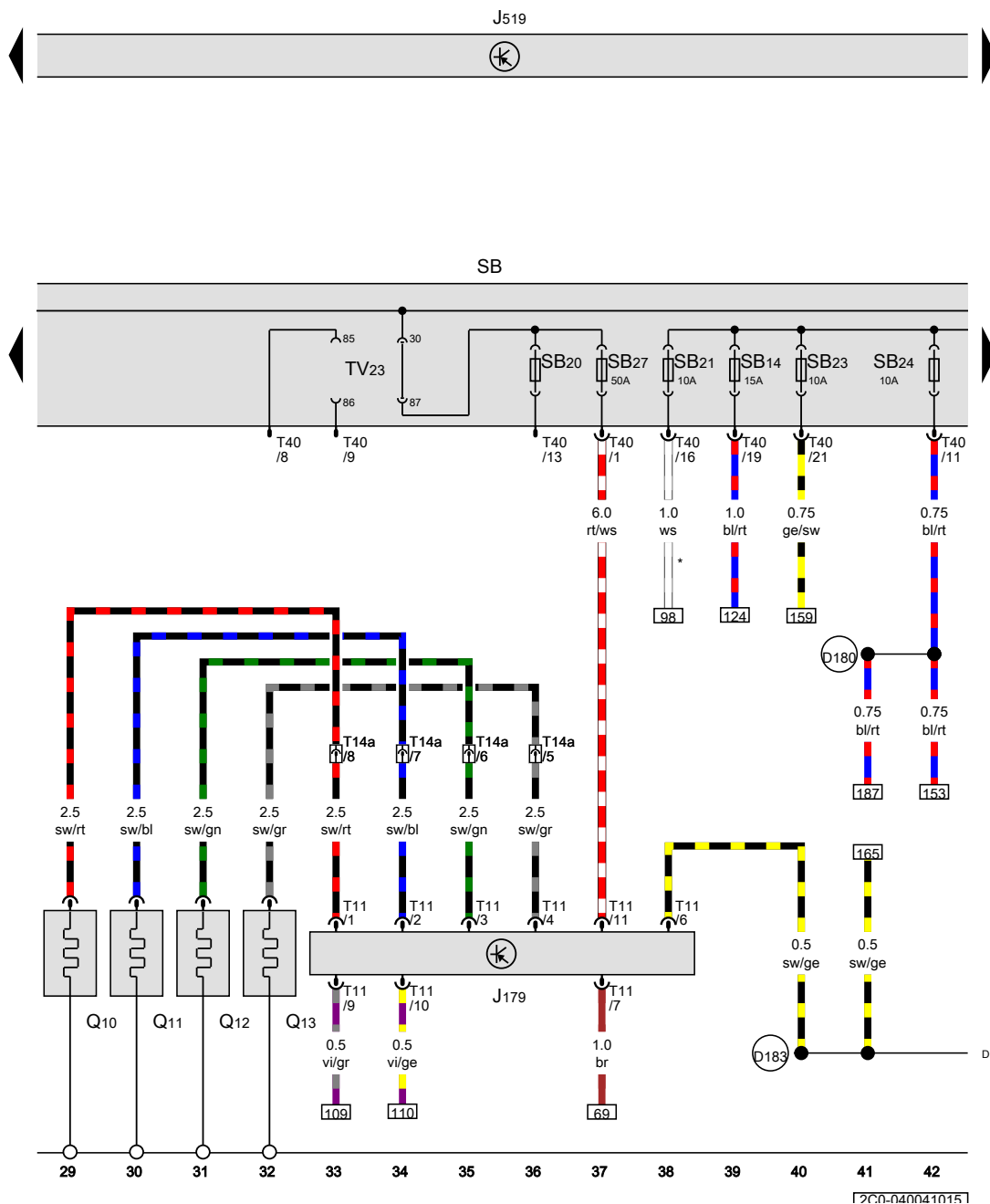
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Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white
- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with flexible service interval display

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Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge

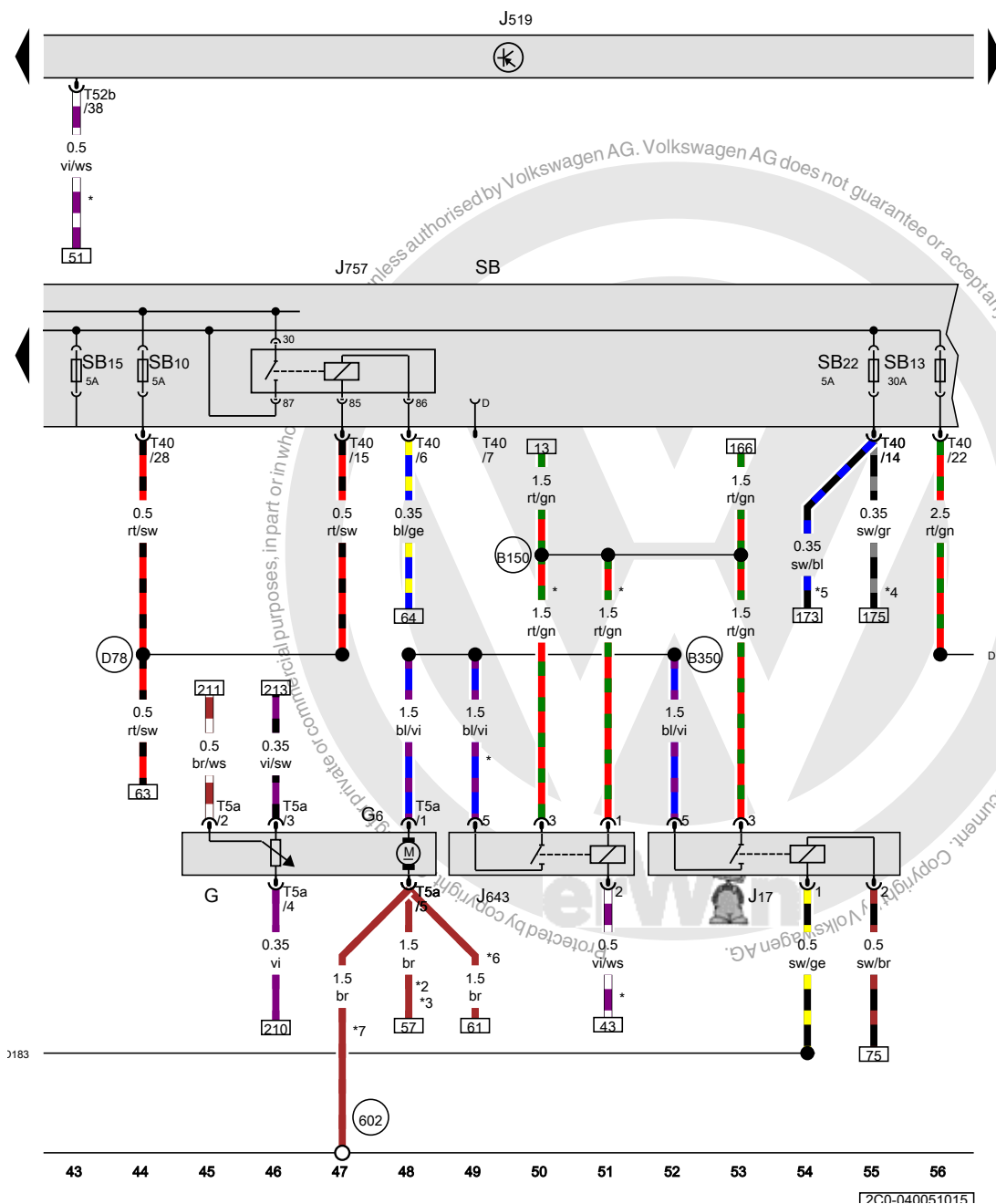
- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector

D180 Connection (87a), in engine compartment wiring harness

D183 Connection 4 (87a) in engine compartment wiring harness

* Not for models with Euro 4 emission standard

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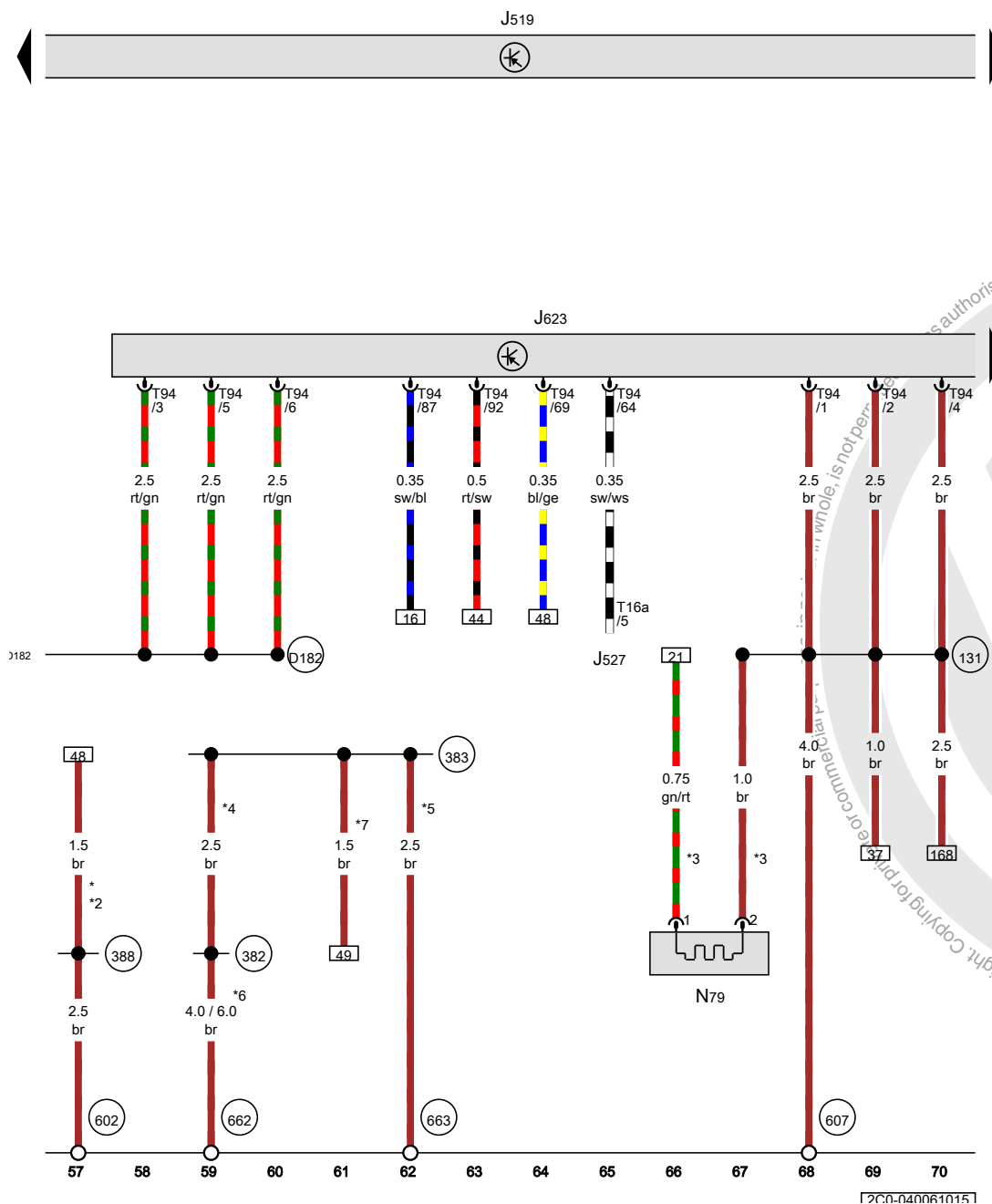
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay, Engine component current supply relay, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T5a 5-pin connector, black
- T40 40-pin connector
- T52b 52-pin connector, white

- 602 Earth point, in front left footwell
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with auxiliary heating
- *2 From May 2012
- *3 Up to October 2012
- *4 Only models with dual clutch gearbox (DSG)
- *5 Only models with manual gearbox
- *6 Up to April 2012
- *7 From November 2012

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Onboard supply control unit, Engine control unit, Heater element for crankcase breather



- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T16a 16-pin connector
- T94 94-pin connector

131 Earth connection 2, in engine compartment wiring harness

382 Earth connection 17, in main wiring harness

383 Earth connection 18, in main wiring harness

388 Earth connection 23, in main wiring harness

602 Earth point, in front left footwell

607 Earth point, on left in plenum chamber

662 Earth point, rear left side panel

663 Earth point, rear right side panel

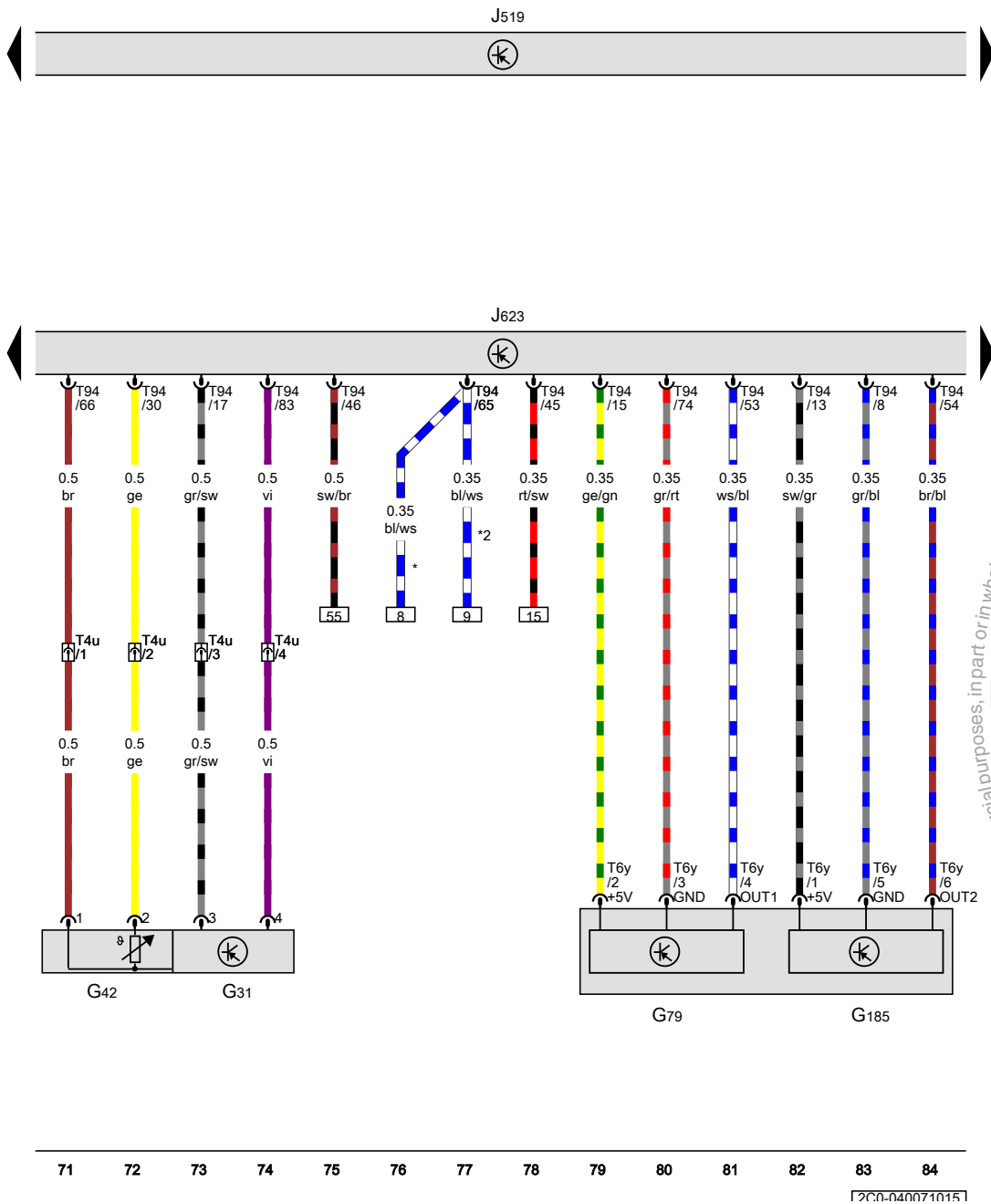
D182 Connection 3 (87a) in engine compartment wiring harness

- * From May 2012
- *2 Up to October 2012
- *3 Only models with crankcase breather heater element
- *4 Only models with basic equipment
- *5 Optional equipment
- *6 According to equipment
- *7 Up to April 2012

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

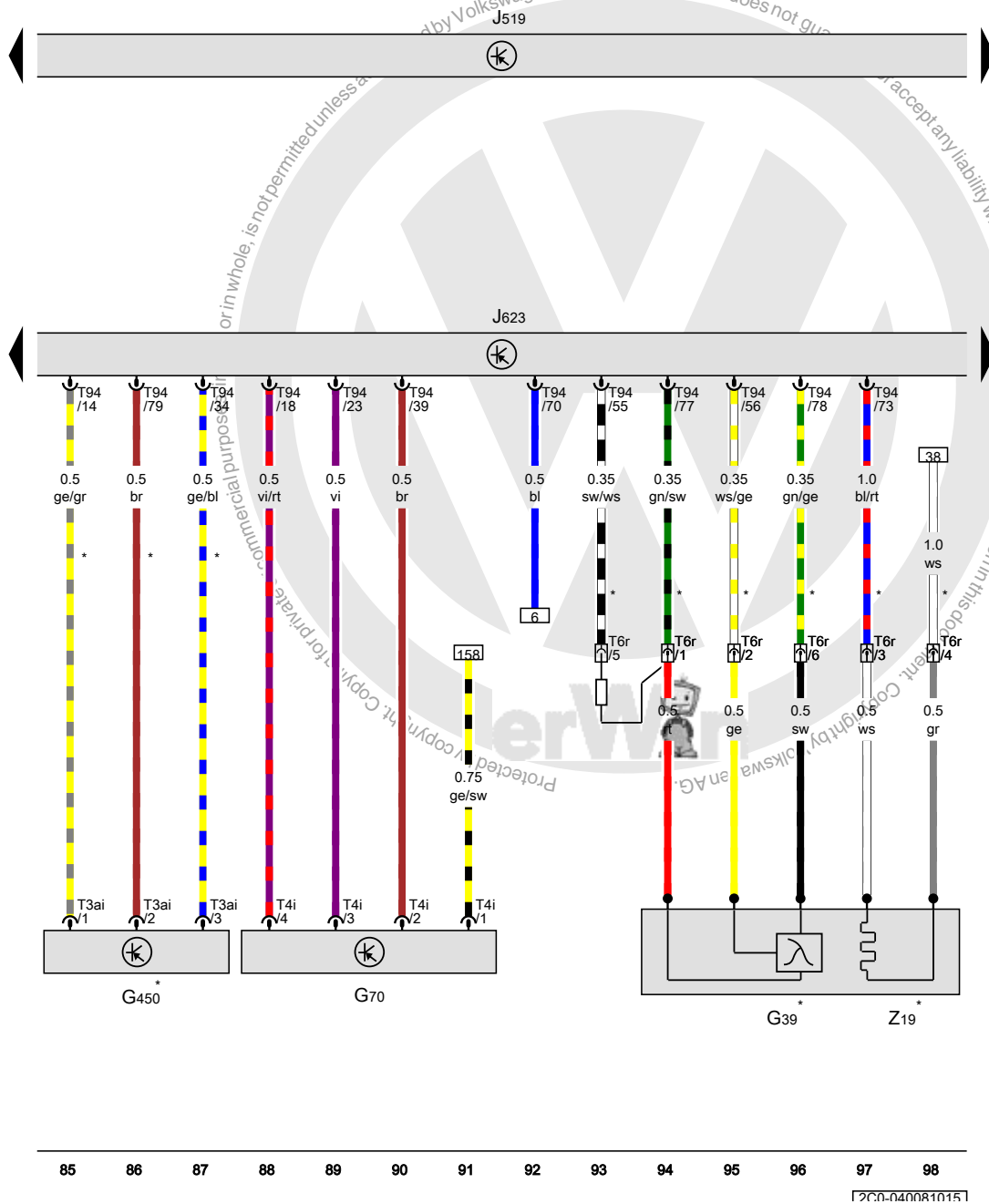
Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

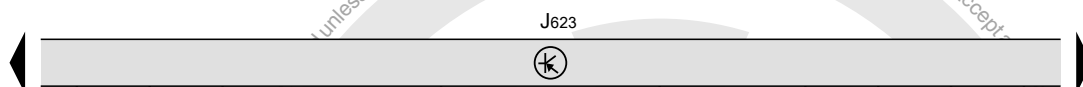
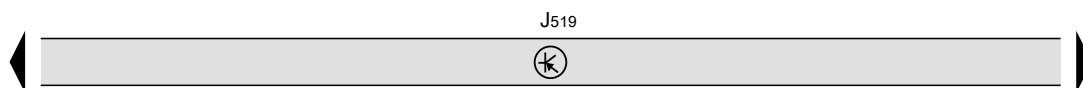
- G31 Charge pressure sender
- G42 Intake air temperature sender
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4u 4-pin connector, front left in engine compartment, black
- T6y 6-pin connector, black
- T94 94-pin connector
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



Lambda probe, Air mass meter, Exhaust gas pressure sensor 1, Onboard supply control unit, Engine control unit

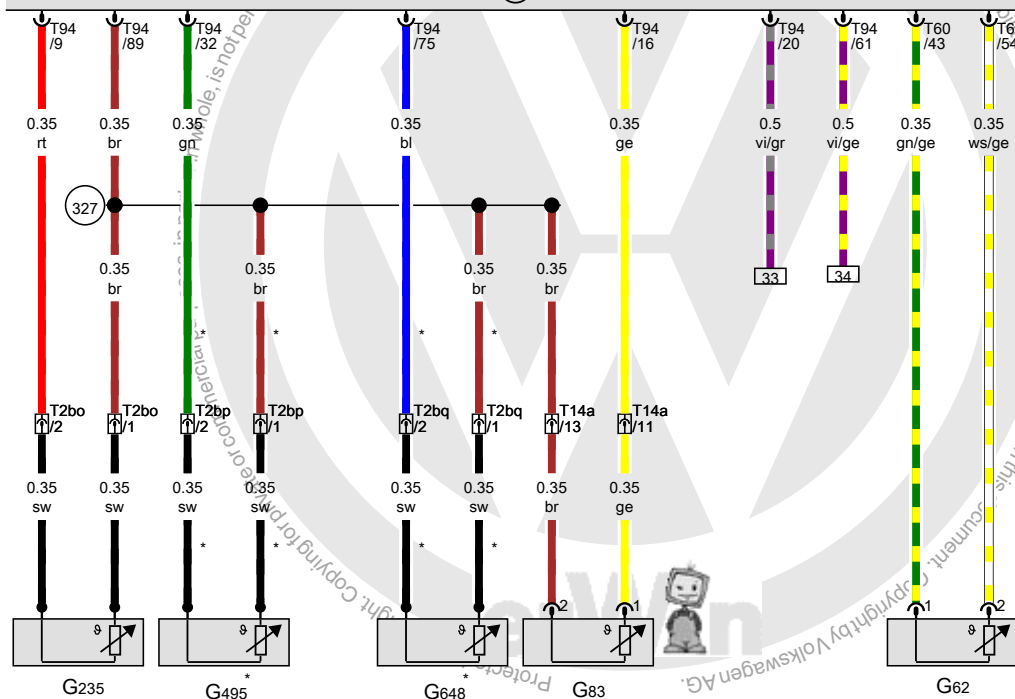
- G39 Lambda probe
- G70 Air mass meter
- G450 Exhaust gas pressure sensor 1
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ai 3-pin connector
- T4i 4-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater
- * Not for models with Euro 4 emission standard





Coolant temperature sender, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Onboard supply control unit, Engine control unit

- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T2bo 2-pin connector, in rear of engine compartment, black
- T2bp 2-pin connector, in rear of engine compartment, brown
- T2bq 2-pin connector, in rear of engine compartment
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness
- * Not for models with Euro 4 emission standard



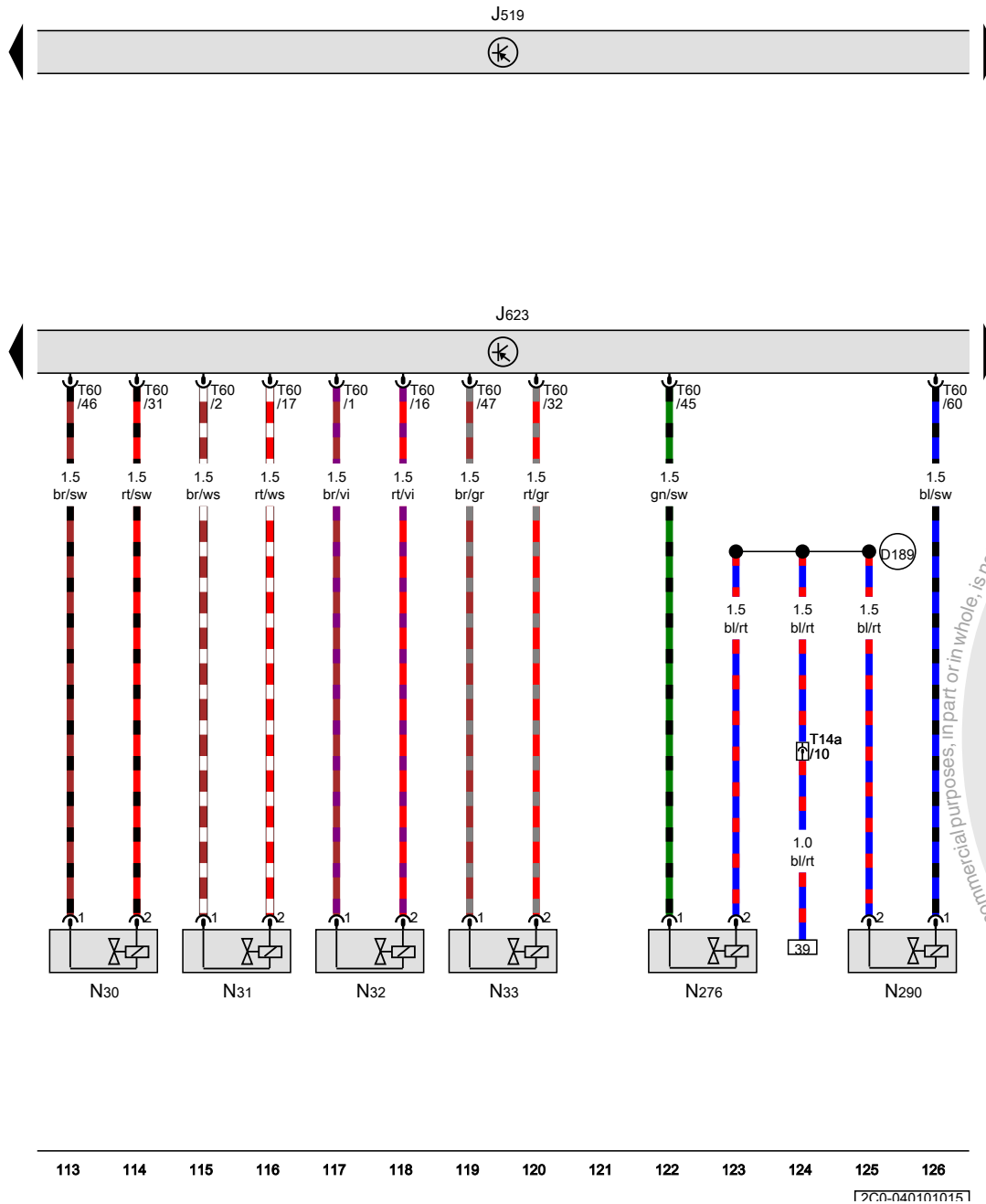
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 ge = yellow
 or = orange
 rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112

1200-040091015

Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- D189 Connection (87a) in engine prewiring harness

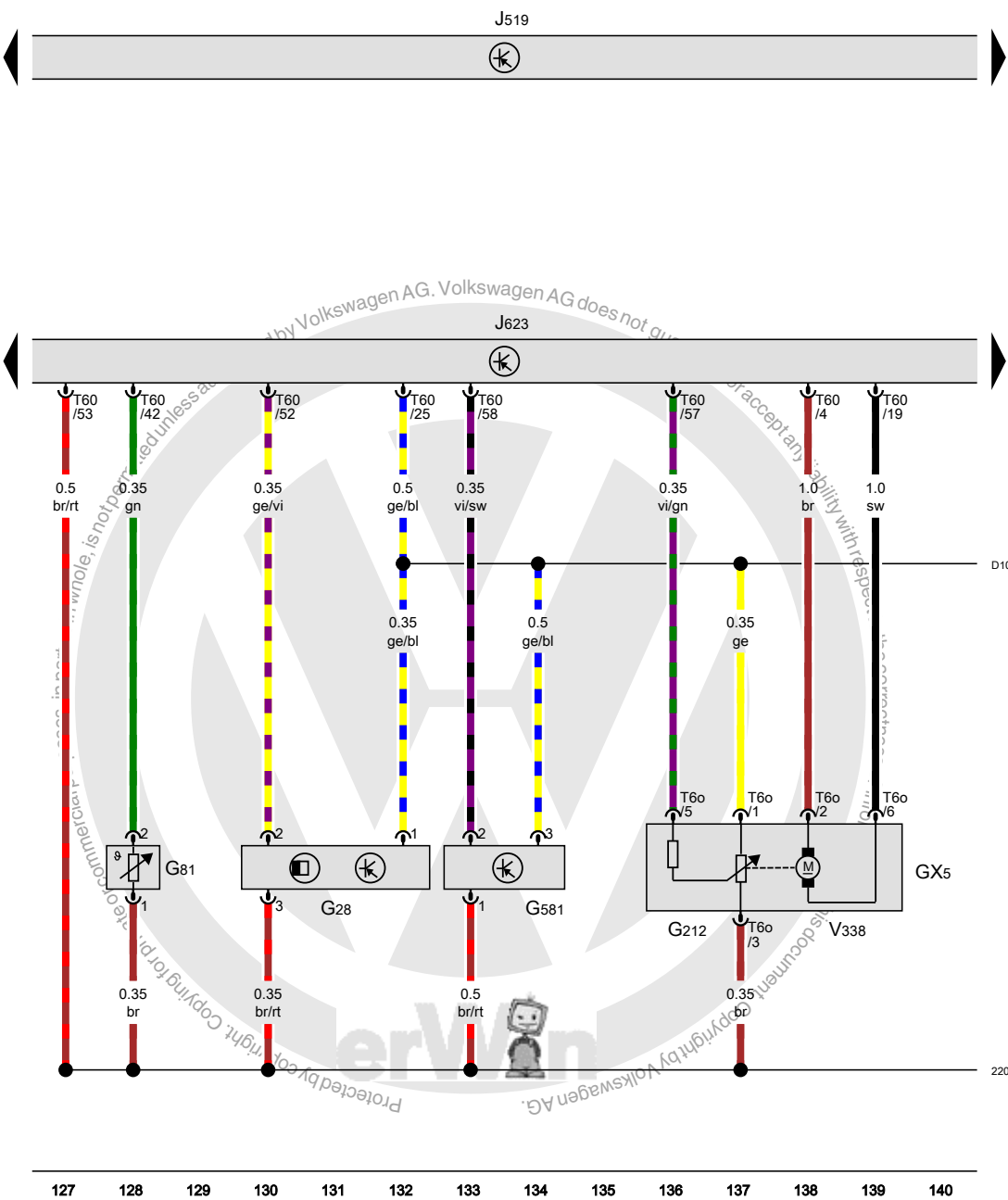


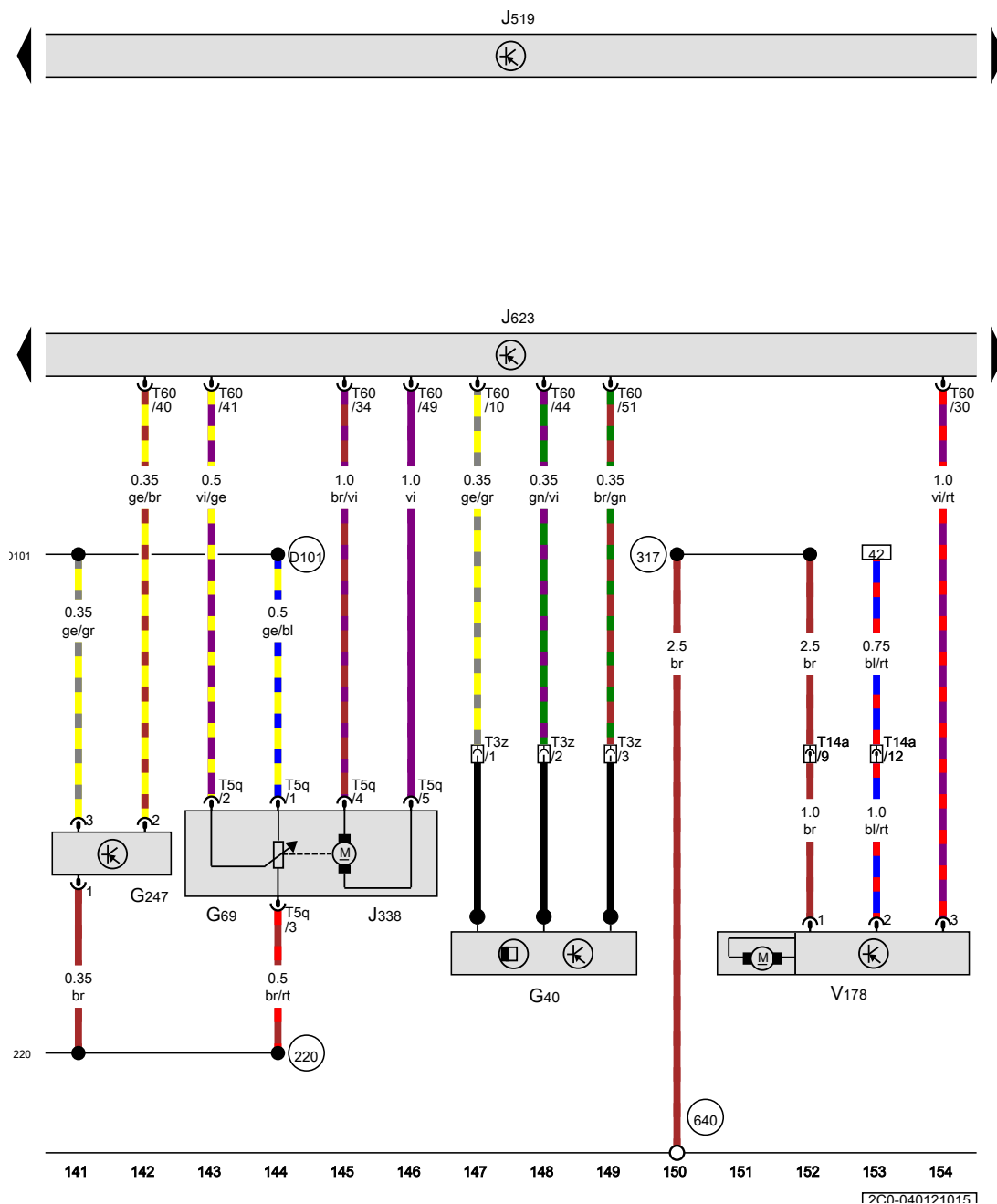
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- gr = grey
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- vi = purple
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Exhaust gas recirculation valve 1, Engine speed sender, Fuel temperature sender, Exhaust gas recirculation potentiometer, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit, Exhaust gas recirculation control motor

- GX5 Exhaust gas recirculation valve 1
- G28 Engine speed sender
- G81 Fuel temperature sender
- G212 Exhaust gas recirculation potentiometer
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

- (220) Earth connection (sender earth), in engine wiring harness
- (D101) Connection 1 in engine compartment wiring harness

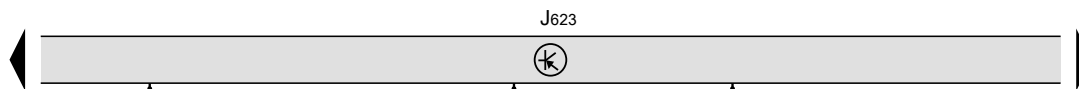




Hall sender, Throttle valve potentiometer, Fuel pressure sender, Throttle valve module, Onboard supply control unit, Engine control unit, Coolant circulation pump 2

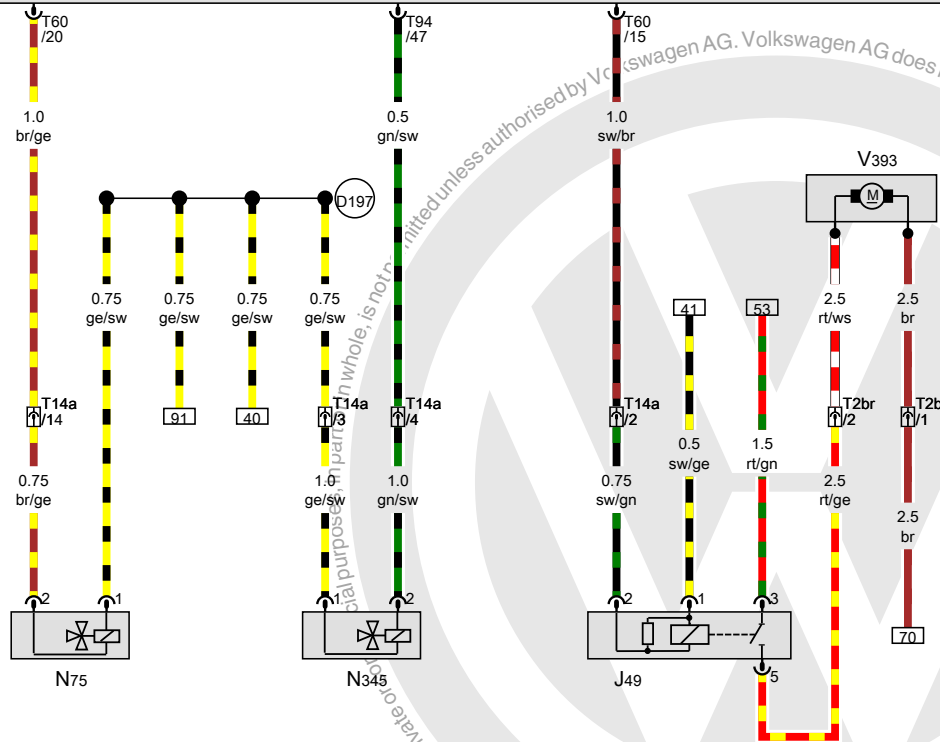
- G40 Hall sender
- G69 Throttle valve potentiometer
- G247 Fuel pressure sender
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector, on front of engine, black
- T5q 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- V178 Coolant circulation pump 2
- 220 Earth connection (sender earth), in engine wiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D101 Connection 1 in engine compartment wiring harness

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



J49	Electric fuel pump 2 relay
J519	Onboard supply control unit
J623	Engine control unit, central in plenum chamber
N75	Charge pressure control solenoid valve
N345	Exhaust gas recirculation cooler changeover valve
T2br	2-pin connector, in rear right of engine compartment, black
T14a	14-pin connector, near left headlight, black
T60	60-pin connector
T94	94-pin connector
V393	Supplementary fuel pump

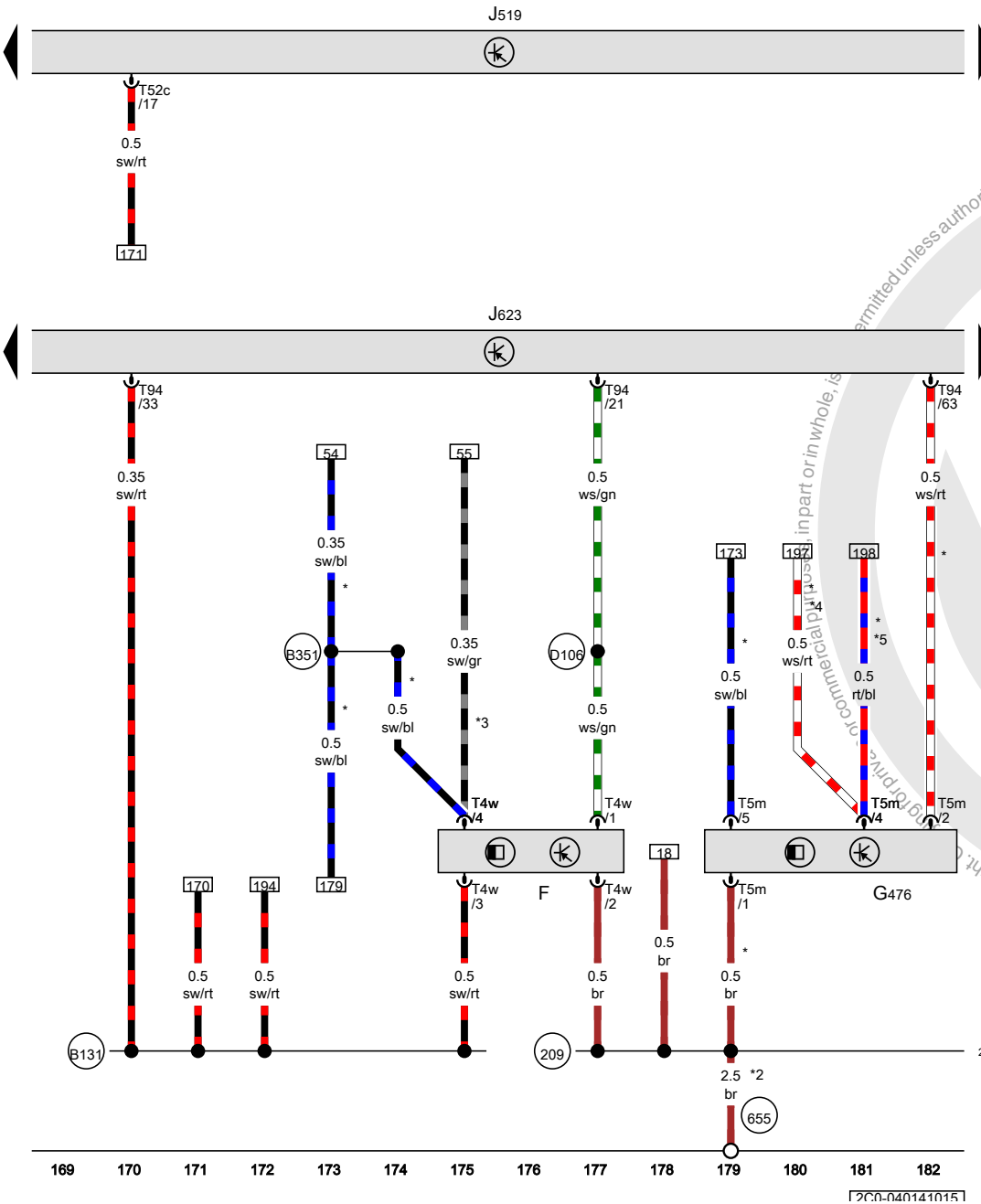
(D197) Connection 5 (87a) in engine compartment wiring harness



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

Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- 655 Earth point, on left headlight
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Only models with manual gearbox
- *2 From May 2012
- *3 Only models with dual clutch gearbox (DSG)
- *4 Only left-hand drive models
- *5 Only right-hand drive models

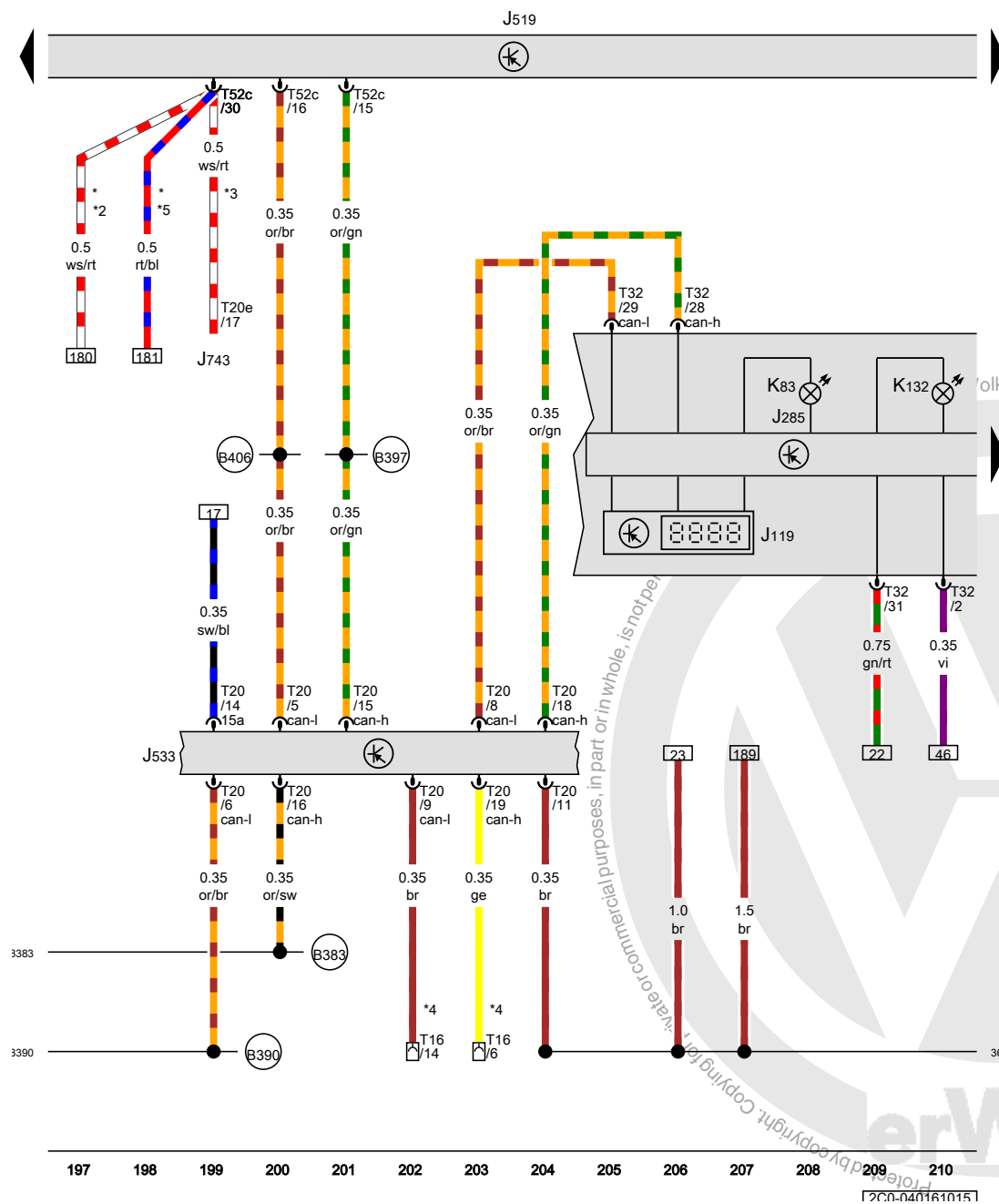


ws = white
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 rs = pink

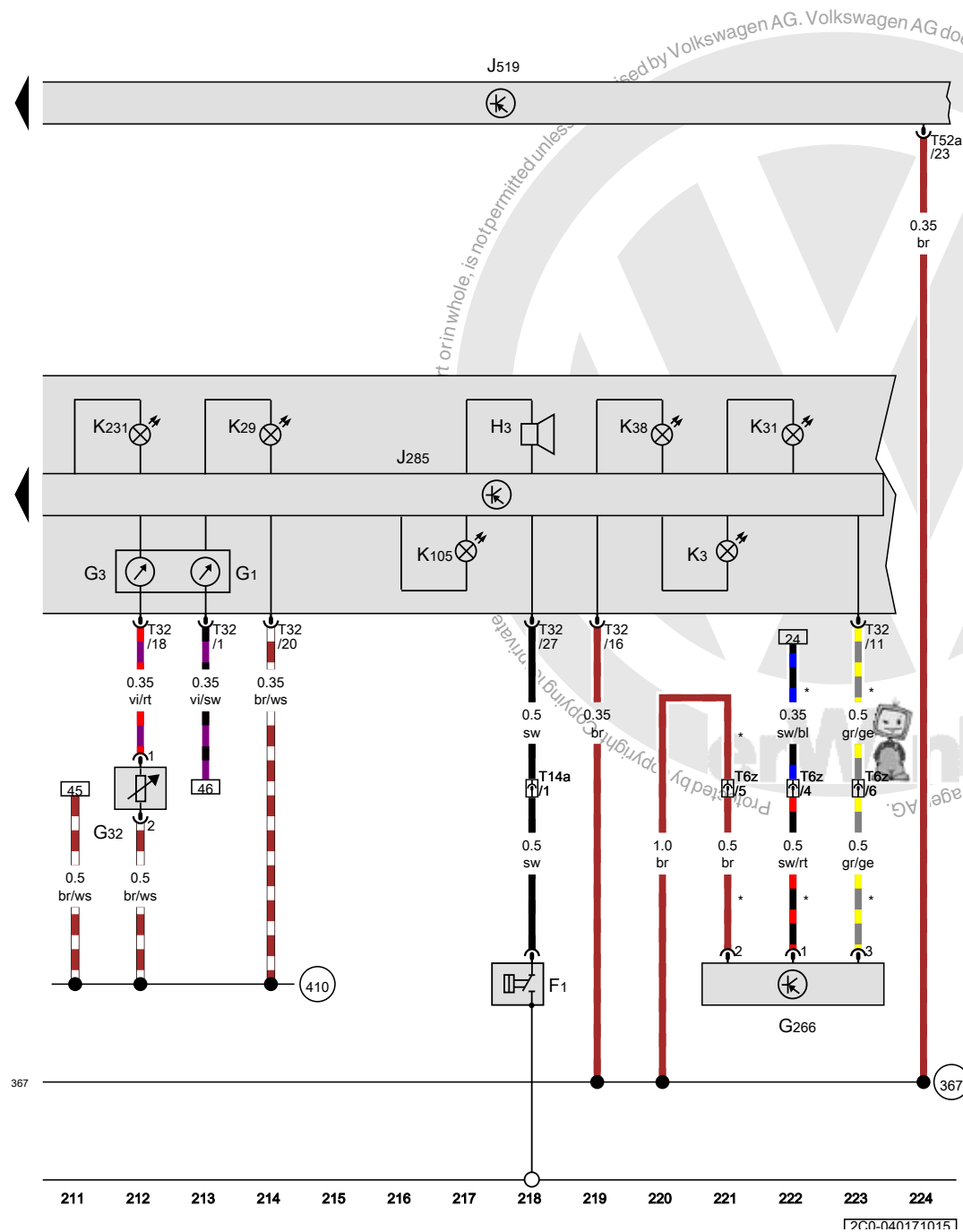


- | | |
|------|---|
| E16 | Heater/heat output switch |
| J104 | ABS control unit |
| J359 | Low heat output relay |
| J360 | High heat output relay |
| J519 | Onboard supply control unit |
| J623 | Engine control unit, central in plenum chamber |
| T4x | 4-pin connector, on radiator fan, bottom left, black |
| T20c | 20-pin connector, black |
| T47 | 47-pin connector |
| T94 | 94-pin connector |
| 47 | Earth point, in front right footwell |
| 209 | Earth connection 6, in engine compartment wiring harness |
| 375 | Earth connection 10, in main wiring harness |
| 376 | Earth connection 11, in main wiring harness |
| 377 | Earth connection 12, in main wiring harness |
| 602 | Earth point, in front left footwell |
| 605 | Earth point, on top end of steering column |
| 655 | Earth point, on left headlight |
| B383 | Connection 1 (powertrain CAN bus, high), in main wiring harness |
| B390 | Connection 1 (powertrain CAN bus, low), in main wiring harness |
| * | Radiator fan connection |
| *2 | Only models with no air conditioning system |
| *3 | Only models with auxiliary air heater |
| *4 | Up to April 2012 |
| *5 | Only right-hand drive models |
| *6 | Only left-hand drive models |

Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- K83 Exhaust emissions warning lamp
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T20e 20-pin connector, black
- T32 32-pin connector, blue
- T52c 52-pin connector, brown
- 367 Earth connection 2, 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
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness
- * Only models with manual gearbox
- *2 Only left-hand drive models
- *3 Only models with dual clutch gearbox 02E
- *4 Diagnostic connection
- *5 Only right-hand drive models



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

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

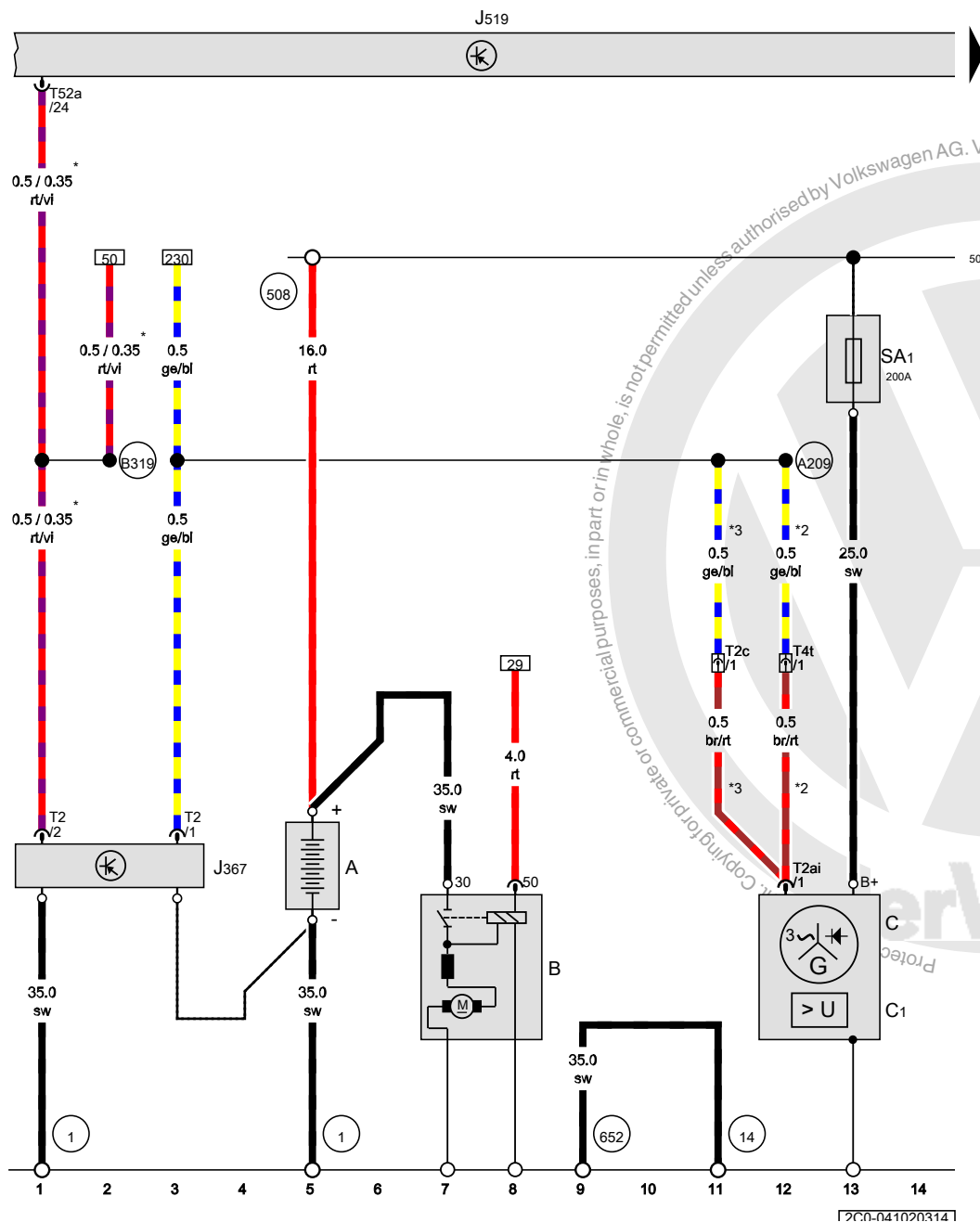
171015

1.2l petrol engine with start/stop system , CBZB

From November 2011



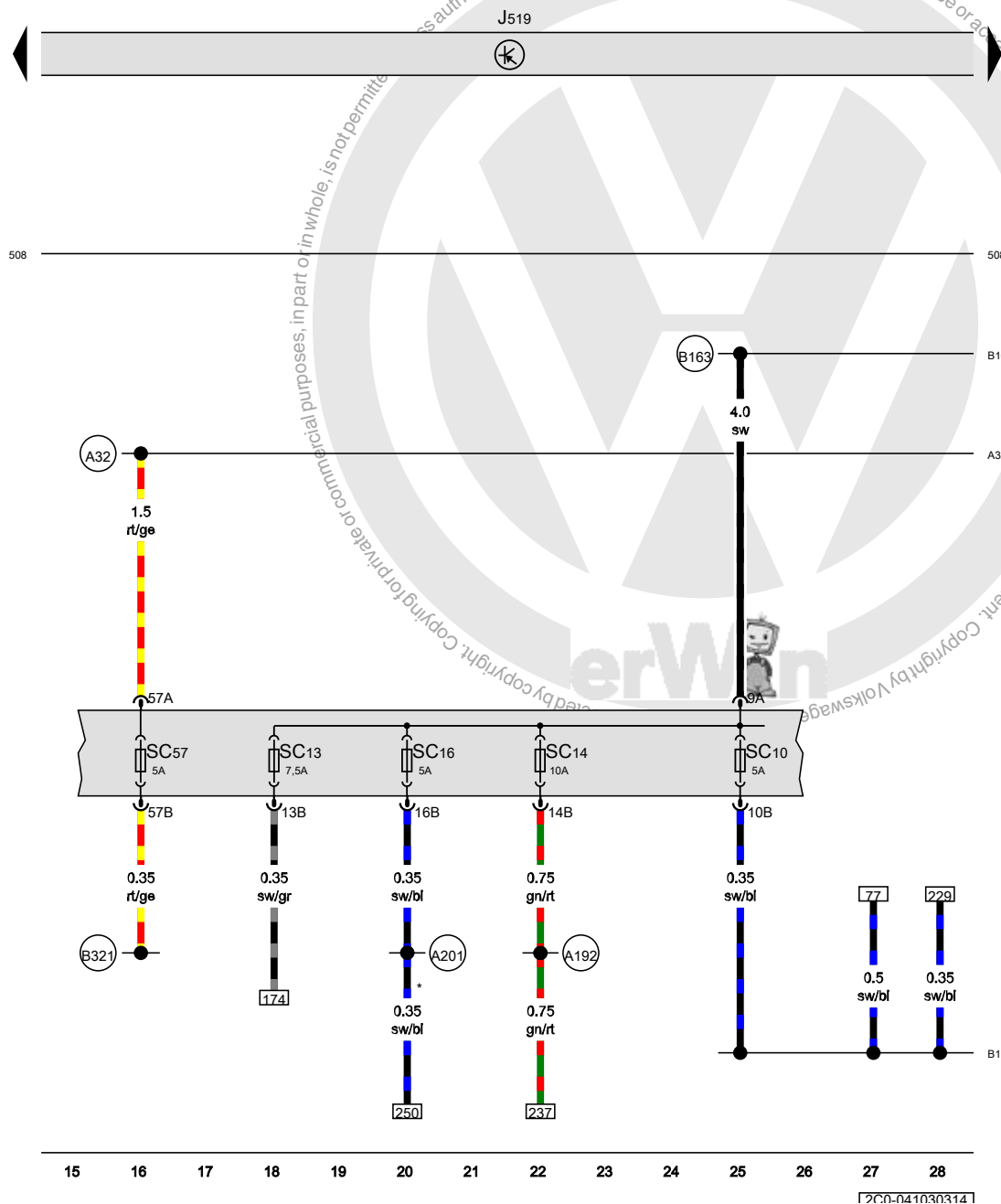
Battery, Starter, Alternator, Battery monitor control unit,
Onboard supply control unit, Fuse 1 in fuse holder A



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2 2-pin connector
- T2ai 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52a 52-pin connector, black
- 1 Earth strap, battery - body
- 14 Earth point on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only right-hand drive models
- *2 Only models with air conditioning system
- *3 Only models with no air conditioning system

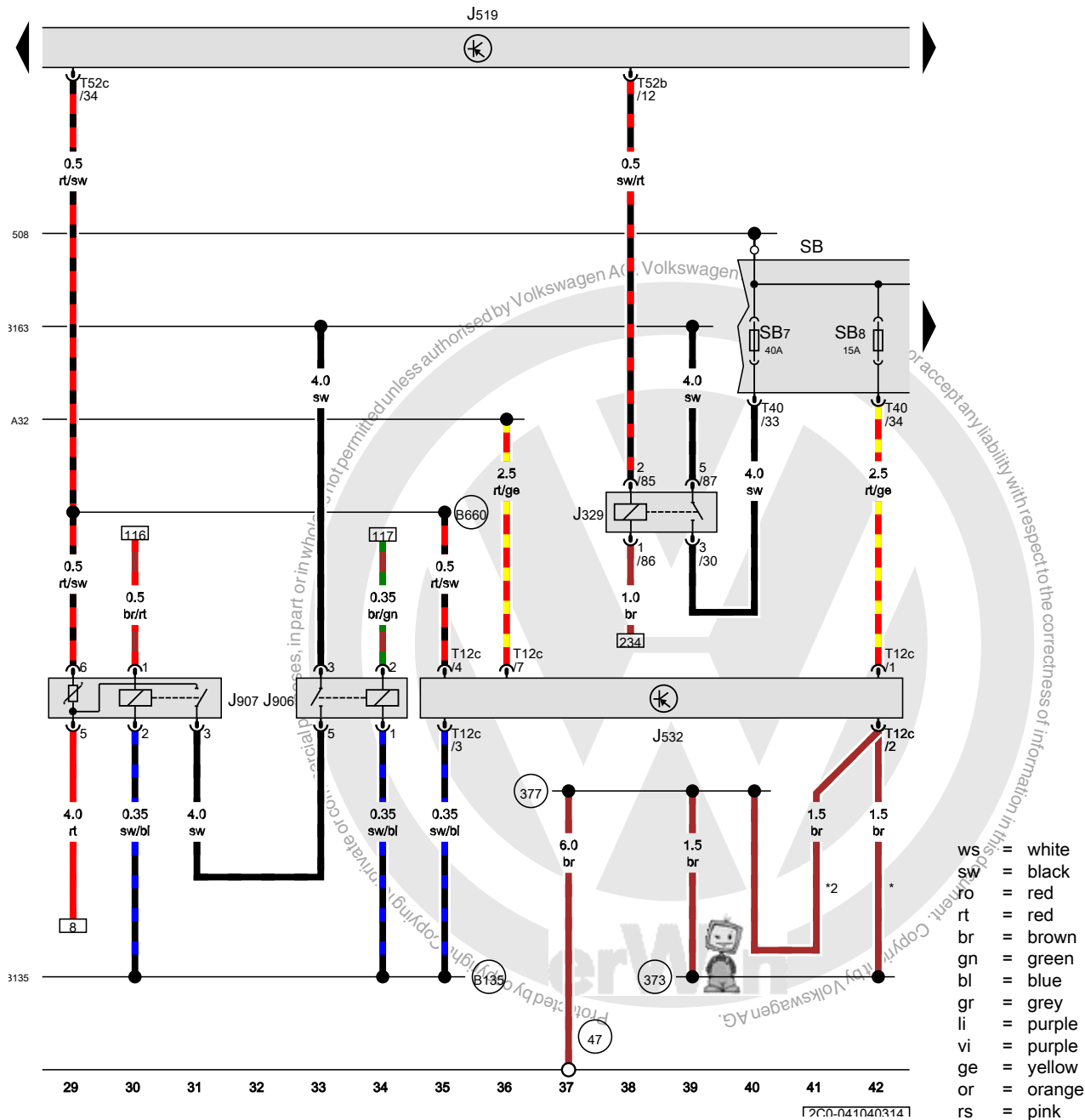
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 or = orange
 rs = pink

12C0-0410203141



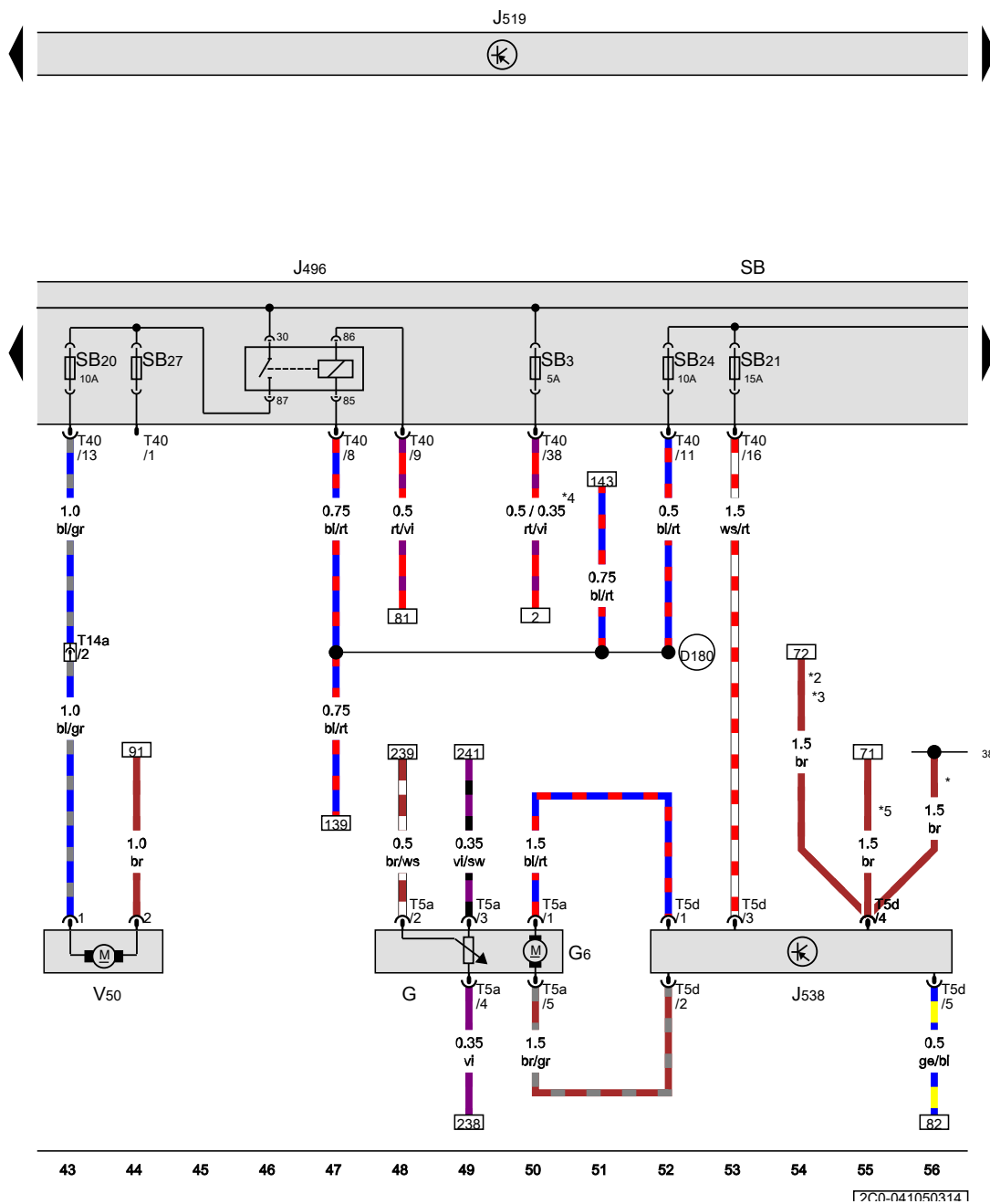
Onboard supply control unit, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C, Fuse 57 on fuse holder C

- J519 Onboard supply control unit
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- * Only models with flexible service interval display



Terminal 15 voltage supply relay, Onboard supply control unit, Voltage stabiliser, Starter relay 1, Starter relay 2, Fuse holder B

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- T12c 12-pin connector, black
- T40 40-pin connector
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models



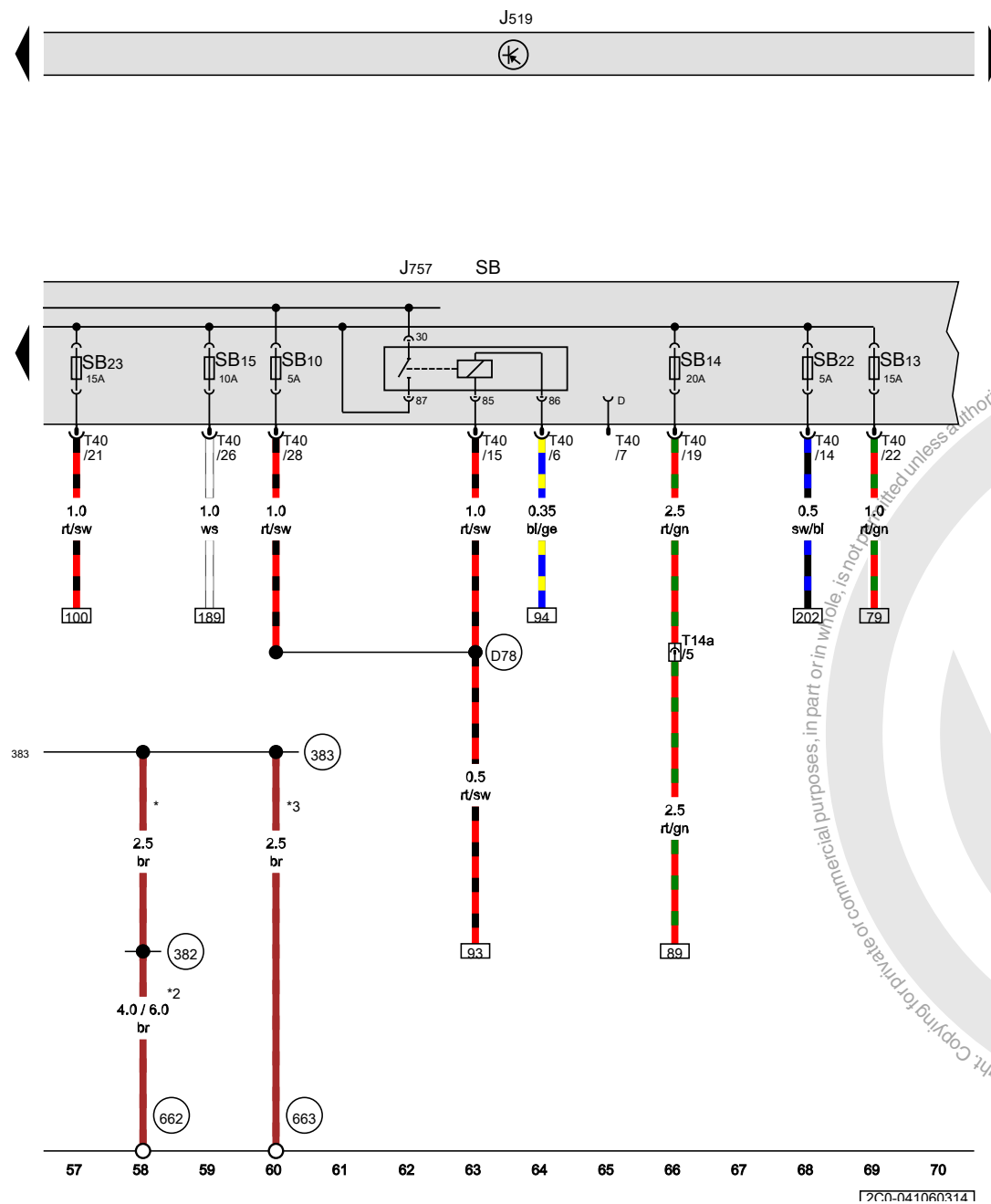
Fuel gauge sender, Fuel system pressurisation pump, Additional coolant pump relay, Onboard supply control unit, Fuel pump control unit, Fuse holder B, Coolant circulation pump

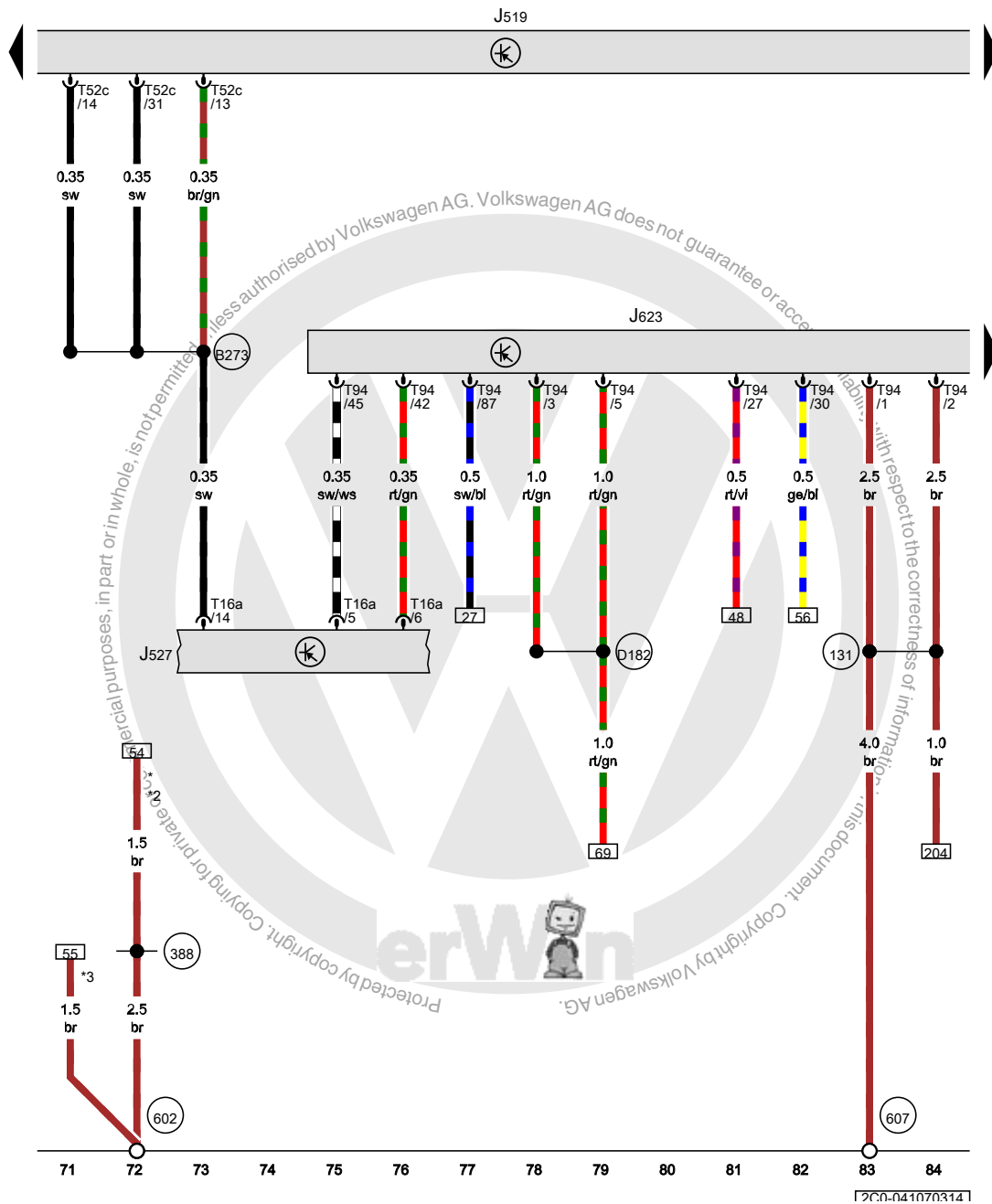
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T5a 5-pin connector, black
- T5d 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- V50 Coolant circulation pump
- 383 Earth connection 18, in main wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- * Up to April 2012
- *2 From May 2012
- *3 Up to October 2012
- *4 Only right-hand drive models
- *5 From November 2012

Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Only models with basic equipment
- *2 According to equipment
- *3 Optional equipment





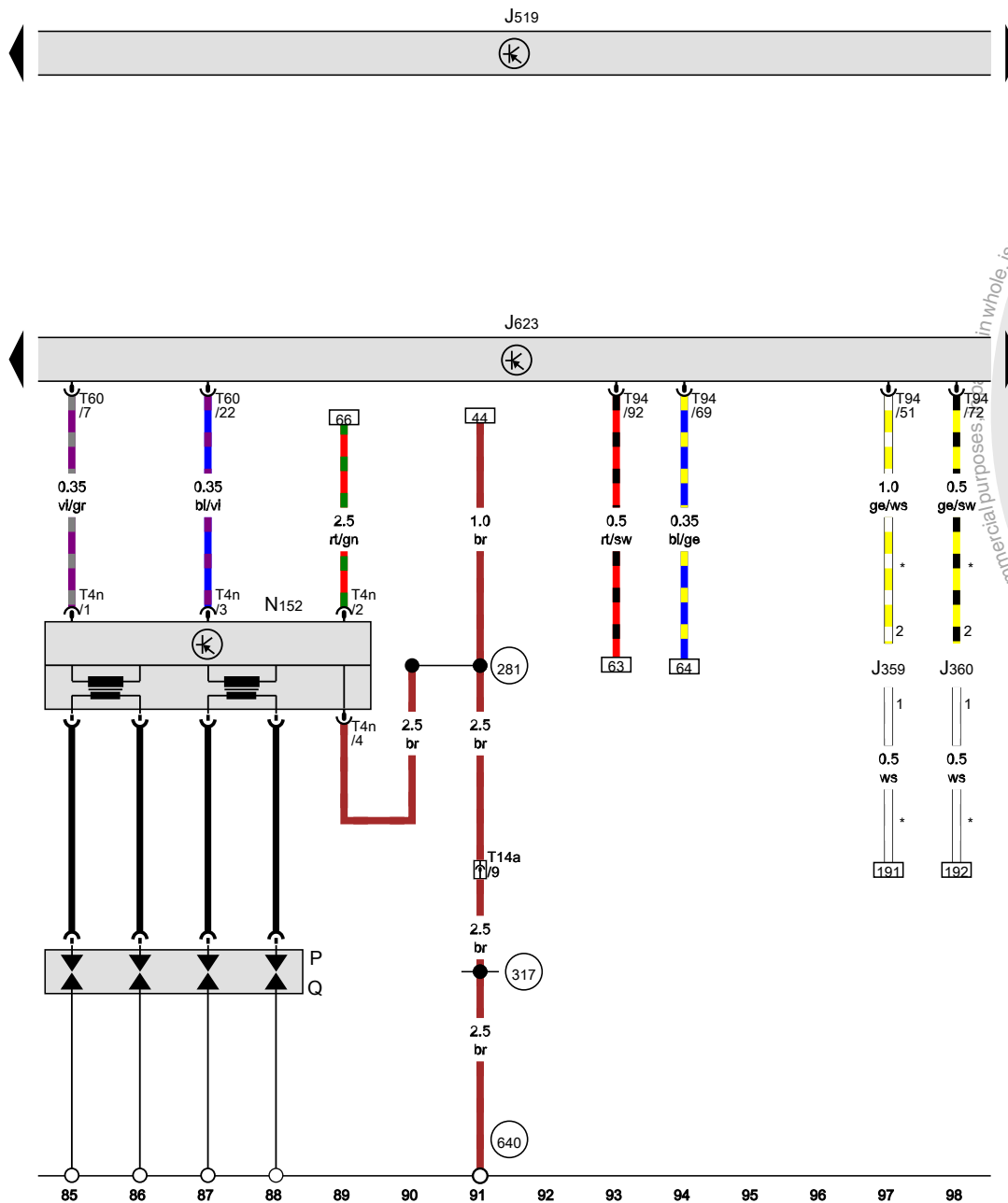
Onboard supply control unit, Engine control unit

- | | |
|------|--|
| J519 | Onboard supply control unit |
| J527 | Steering column electronics control unit |
| J623 | Engine control unit, central in plenum chamber |
| T16a | 16-pin connector |
| T52c | 52-pin connector, brown |
| T94 | 94-pin connector |
| 131 | Earth connection 2, in engine compartment wiring harness |
| 388 | Earth connection 23, in main wiring harness |
| 602 | Earth point, in front left footwell |
| 607 | Earth point, on left in plenum chamber |
| B273 | Positive connection (15), in main wiring harness |
| D182 | Connection 3 (87a) in engine compartment wiring harness |

- * From May 2012
- *2 Up to October 2012
- *3 From November 2012

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

Onboard supply control unit, Engine control unit, Ignition transformer, Spark plugs



- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector

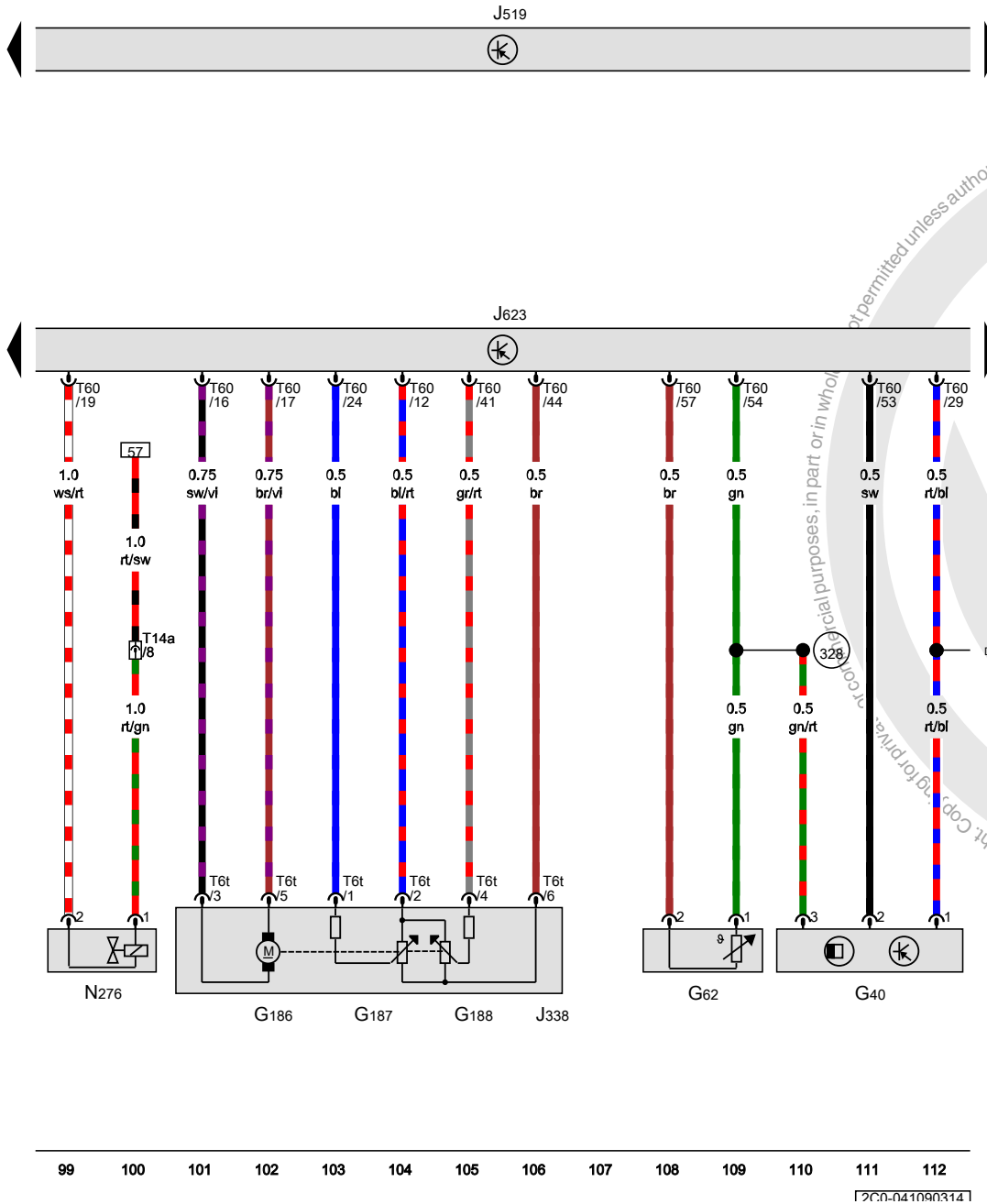
- 281 Earth point 1, engine prewiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- * Only models with auxiliary air heater

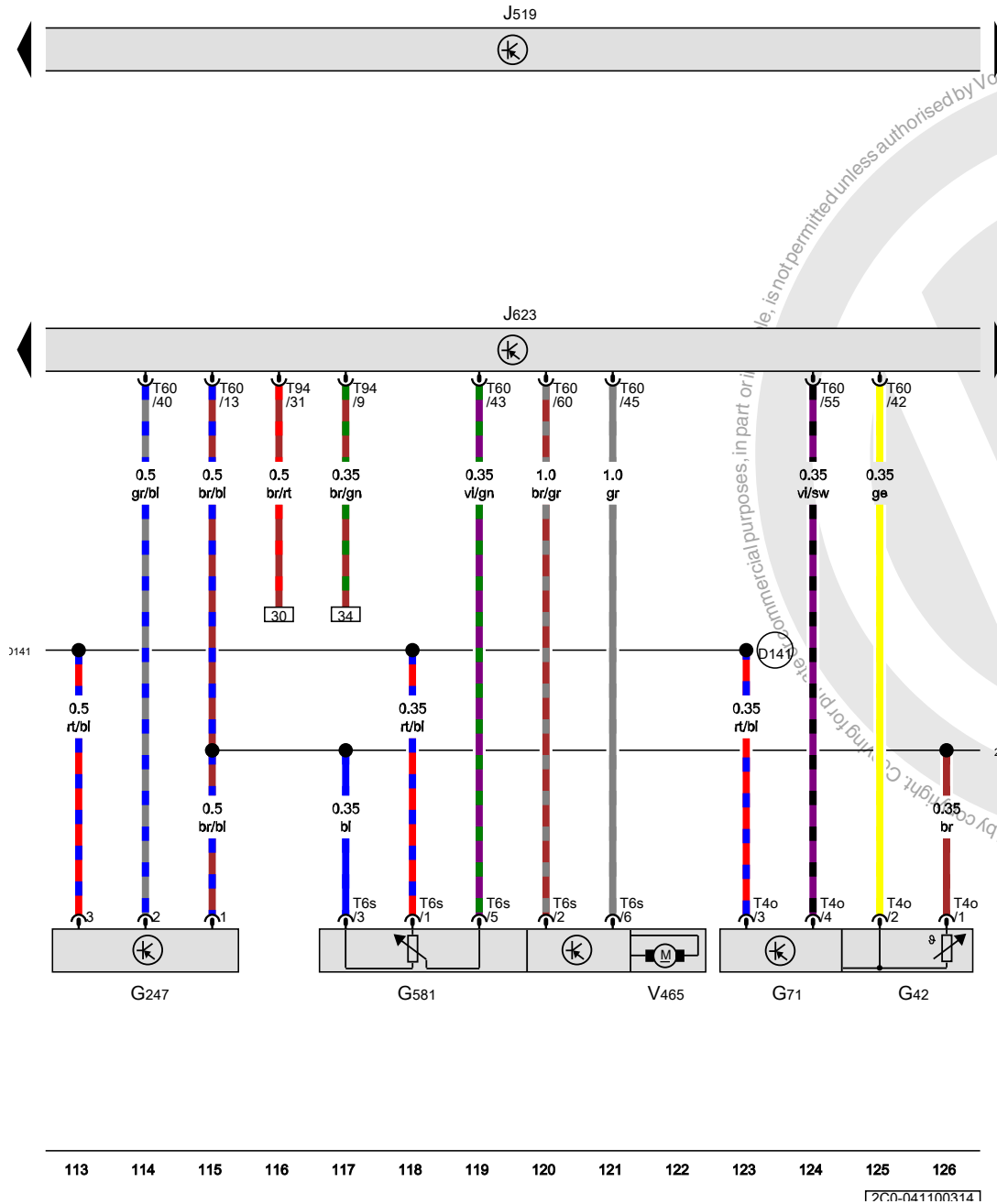
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Hall sender, Coolant temperature sender, Throttle valve module, Onboard supply control unit, Engine control unit, Fuel pressure regulating valve

- G40 Hall sender
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N276 Fuel pressure regulating valve
- T6t 6-pin connector
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness





Intake air temperature sender, Intake manifold pressure sender, Fuel pressure sender, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit, Charge pressure positioner

- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4o 4-pin connector, black
- T6s 6-pin connector, grey
- T60 60-pin connector
- T94 94-pin connector
- V465 Charge pressure positioner

- 220 Earth connection (sender earth), in engine wiring harness
- D141 Connection (5V) in engine prewiring harness

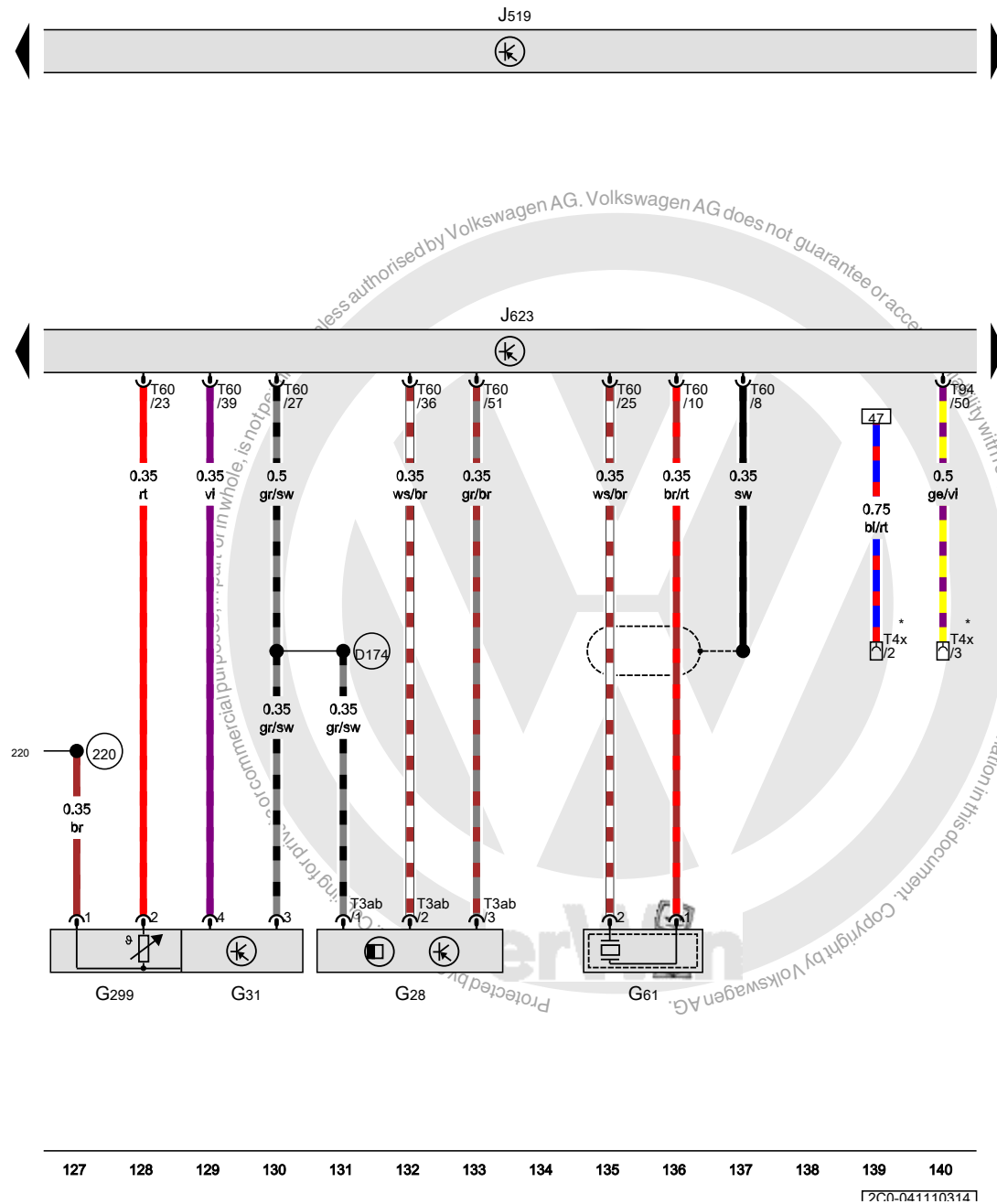
Engine speed sender, Charge pressure sender, Knock sensor 1, Intake air temperature sender 2, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G61 Knock sensor 1
- G299 Intake air temperature sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, orange
- T4x 4-pin connector, on radiator fan, bottom left, black
- T60 60-pin connector
- T94 94-pin connector

220 Earth connection (sender earth), in engine wiring harness

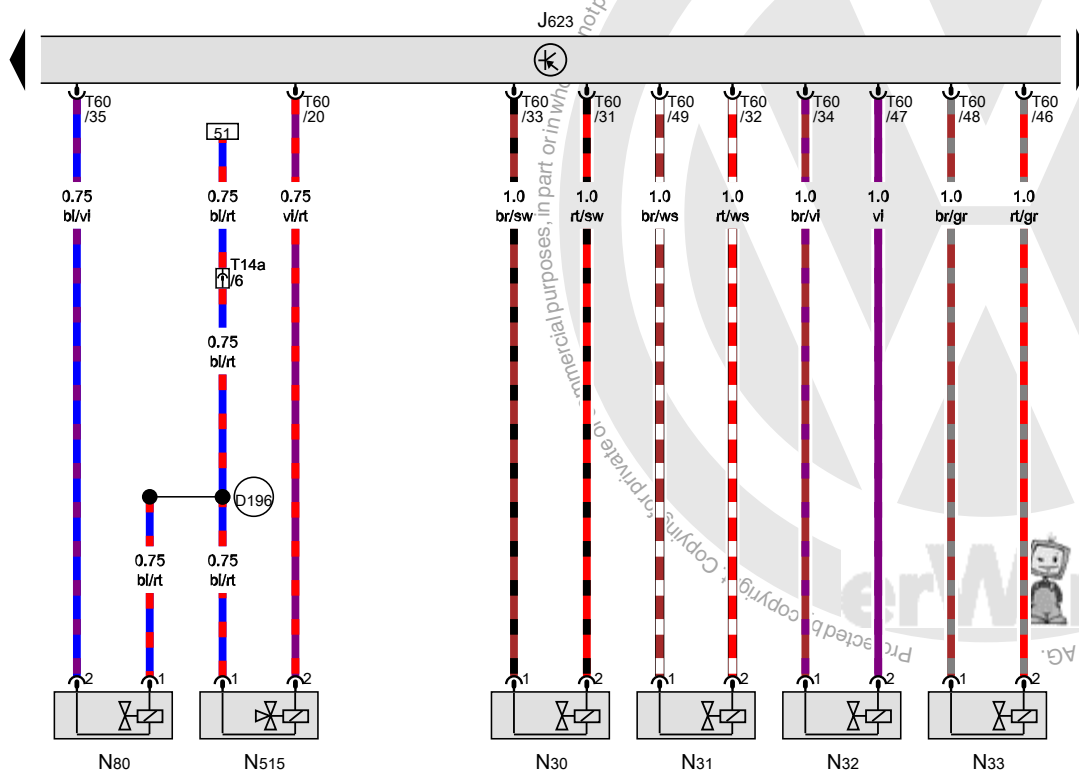
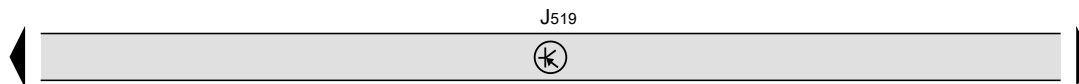
D174 Connection 2 (5V) in engine prewiring harness

* Radiator fan connection



Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Activated charcoal filter solenoid valve 1, Coolant regulating valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N80 Activated charcoal filter solenoid valve 1
- N515 Coolant regulating valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- D196 Connection 2 (87a) in engine prewiring harness



ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
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 vi = purple
 ge = yellow
 or = orange
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141 142 143 144 145 146 147 148 149 150 151 152 153 154

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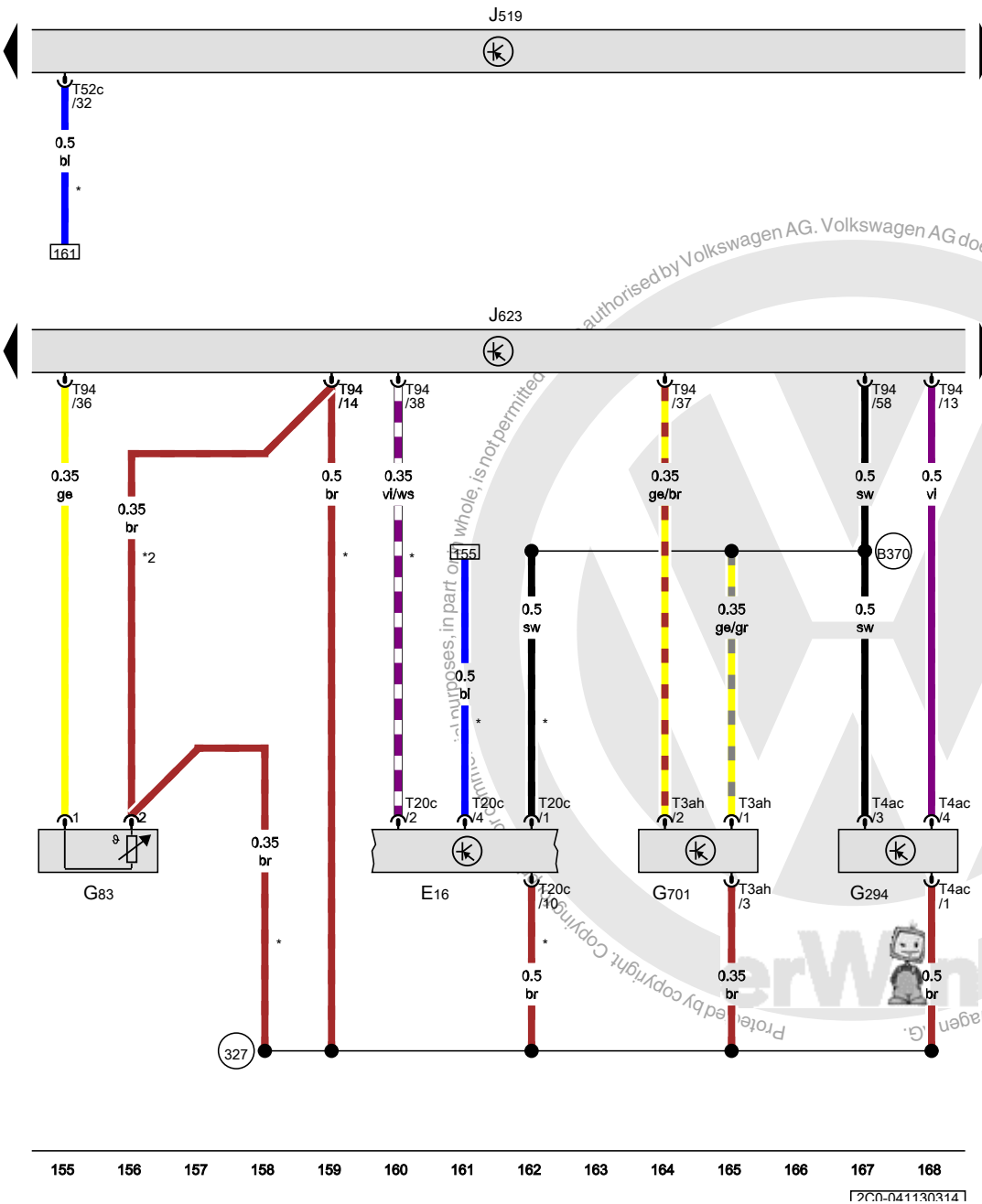
Radiator outlet coolant temperature sender, Brake servo pressure sensor, Gearbox neutral position sender, Onboard supply control unit, Engine control unit

- E16 Heater/heat output switch
- G83 Radiator outlet coolant temperature sender
- G294 Brake servo pressure sensor
- G701 Gearbox neutral position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ah 3-pin connector, brown
- T4ac 4-pin connector, black
- T20c 20-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

327 Earth connection (sender earth), in engine compartment wiring harness

B370 Connection 2 (5V), in main wiring harness

- * Only models with no air conditioning system
- *2 Only models with air conditioning system



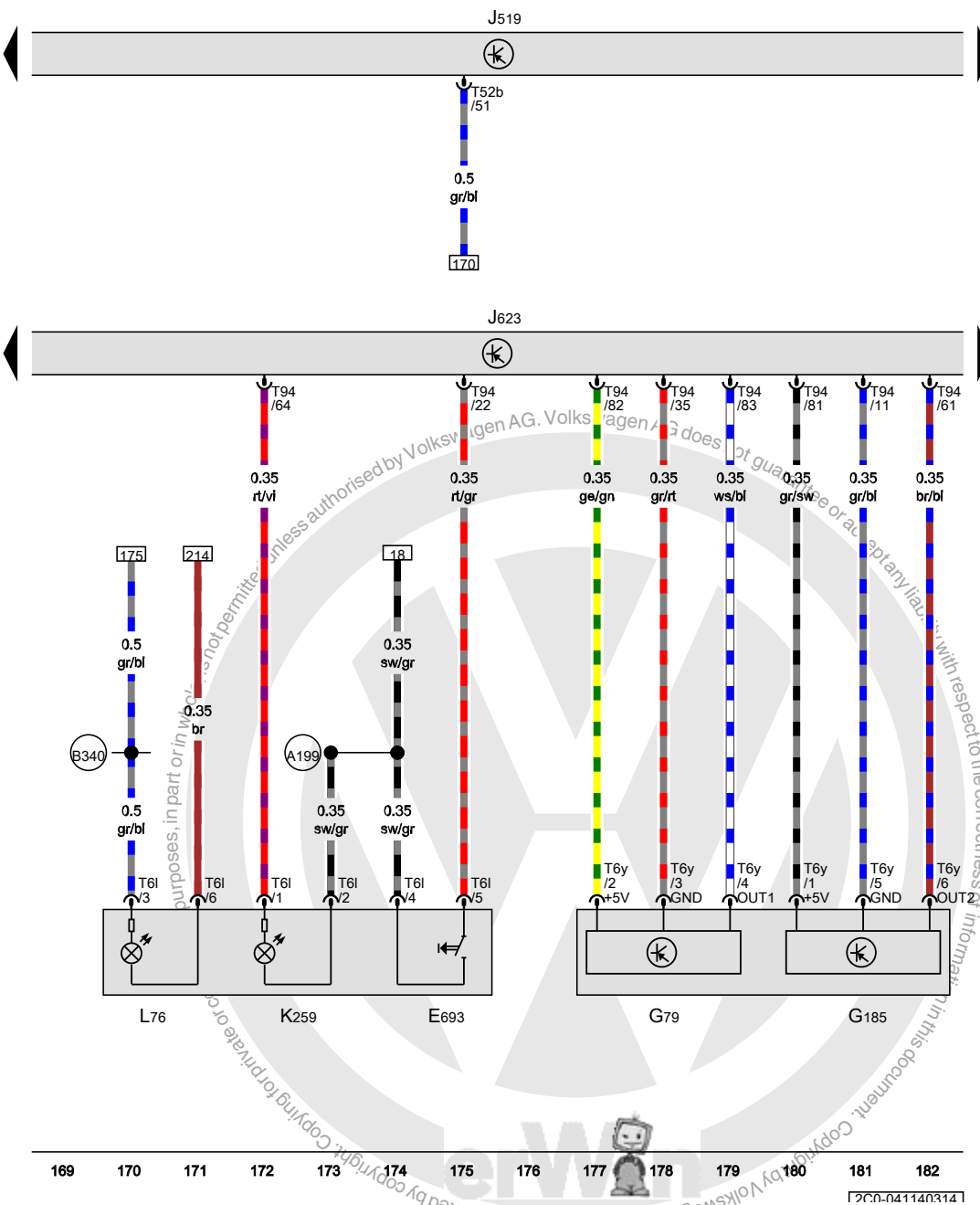
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Start/Stop operation button, Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

- E693 Start/Stop operation button
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- T6l 6-pin connector, blue
- T6y 6-pin connector, black
- T52b 52-pin connector, white
- T94 94-pin connector

A199 Positive connection 4 (15a) in dash panel wiring harness

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



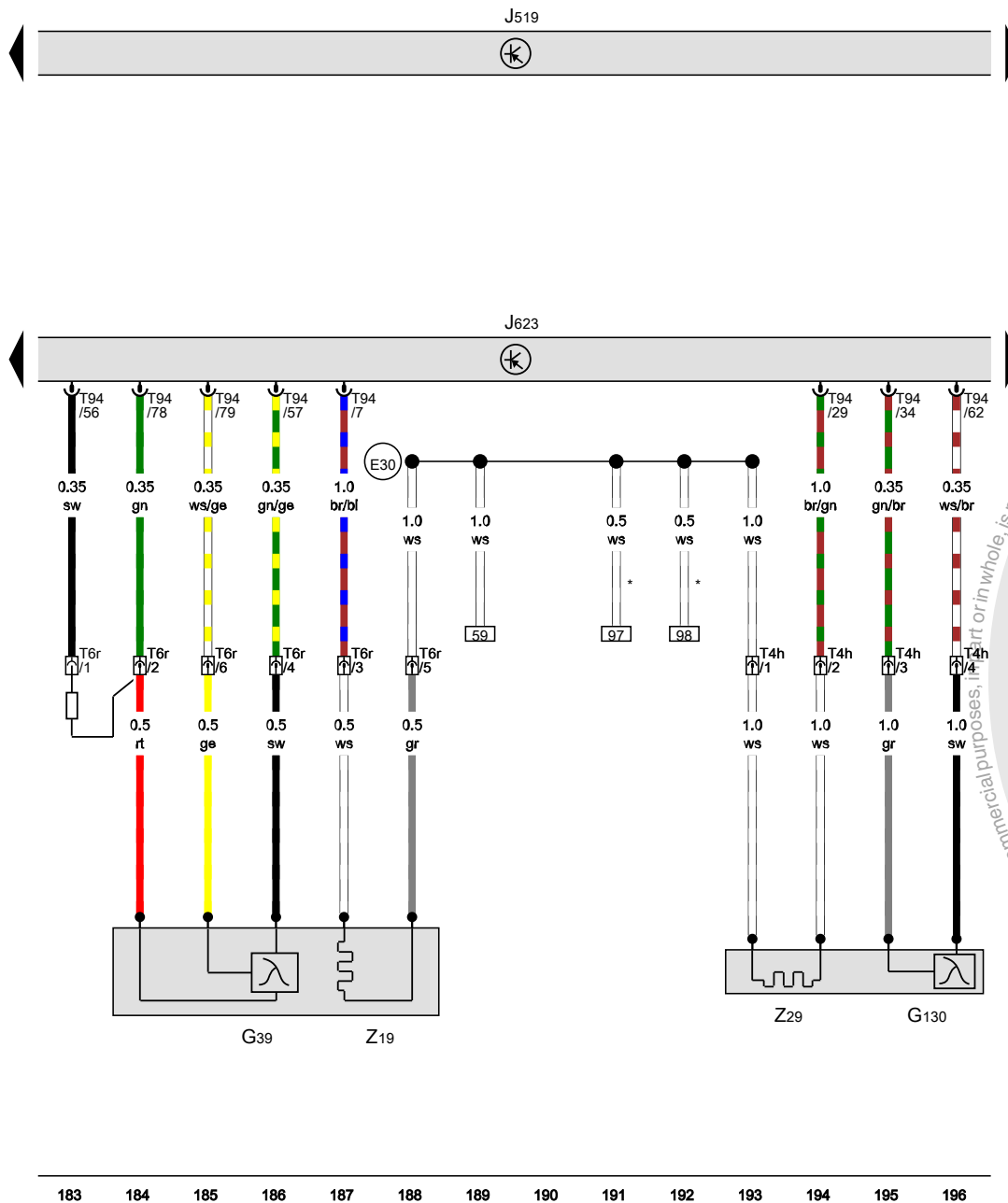
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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

E30 Connection (87a), in engine wiring harness

* Only models with auxiliary air heater

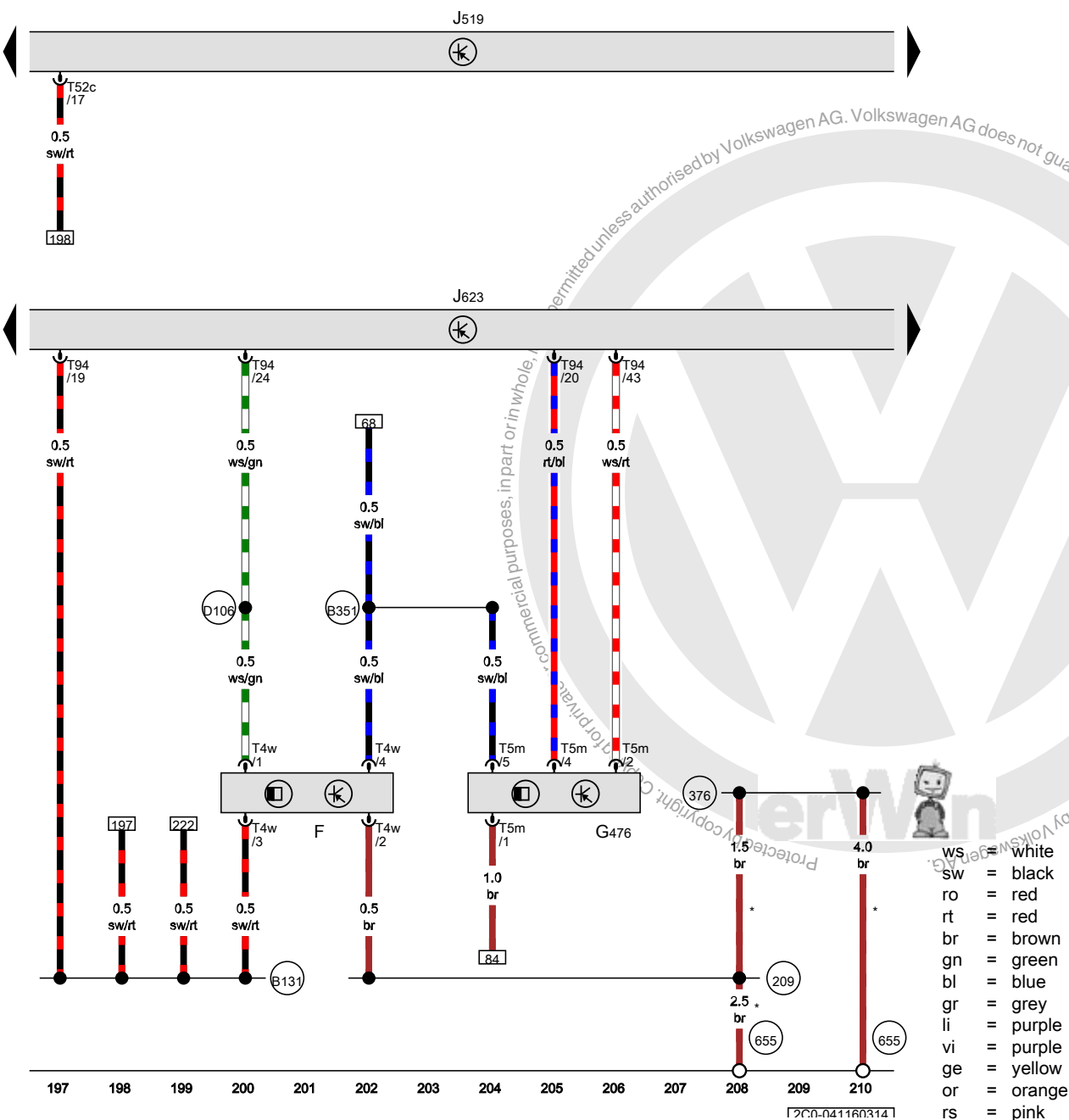


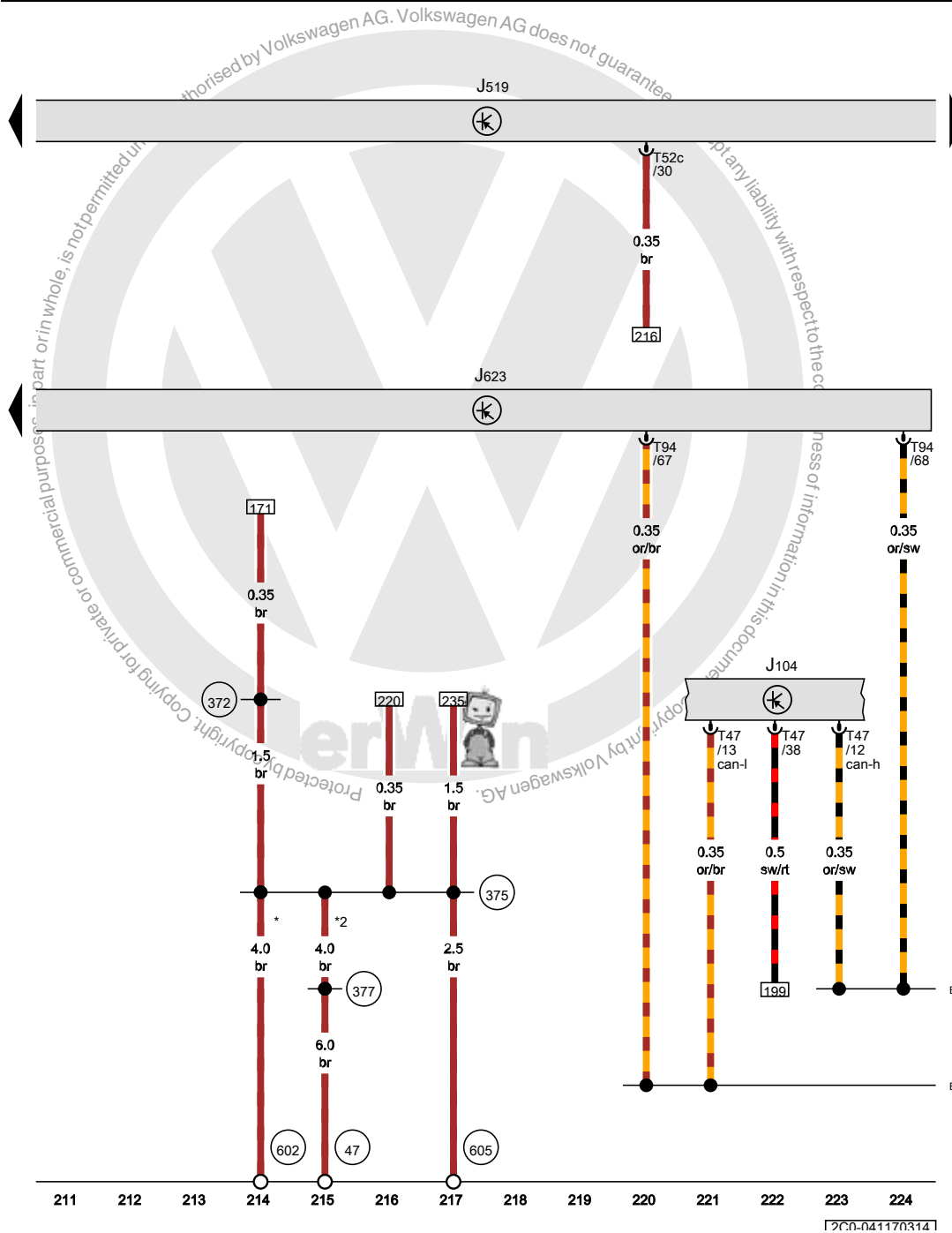
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Up to April 2012
- *2 Only models with manual gearbox





Onboard supply control unit, Engine control unit

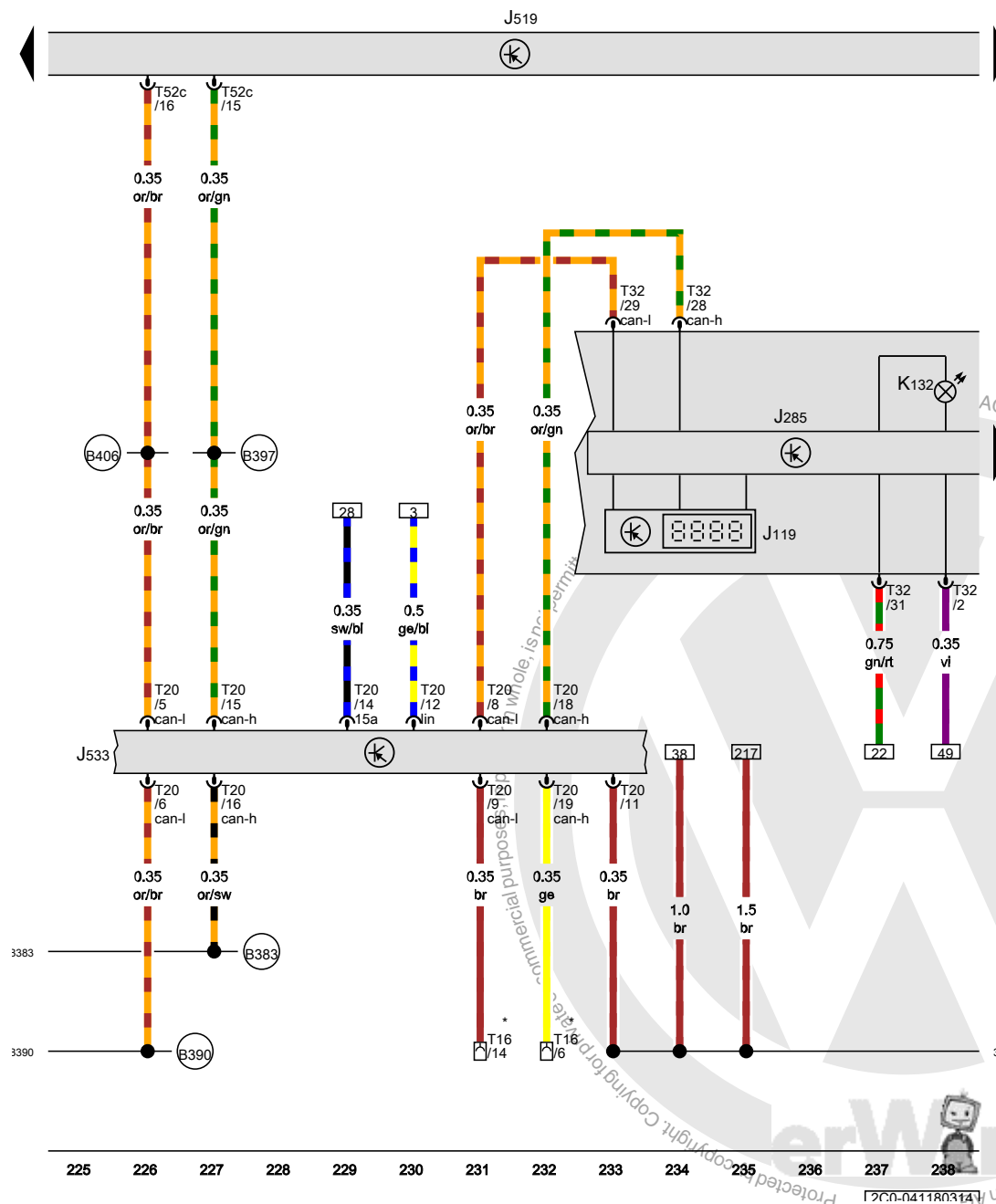
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T47 47-pin connector
- T52c 52-pin connector, brown
- T94 94-pin connector

- 47 Earth point, in front right footwell
- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models

- ws = white
- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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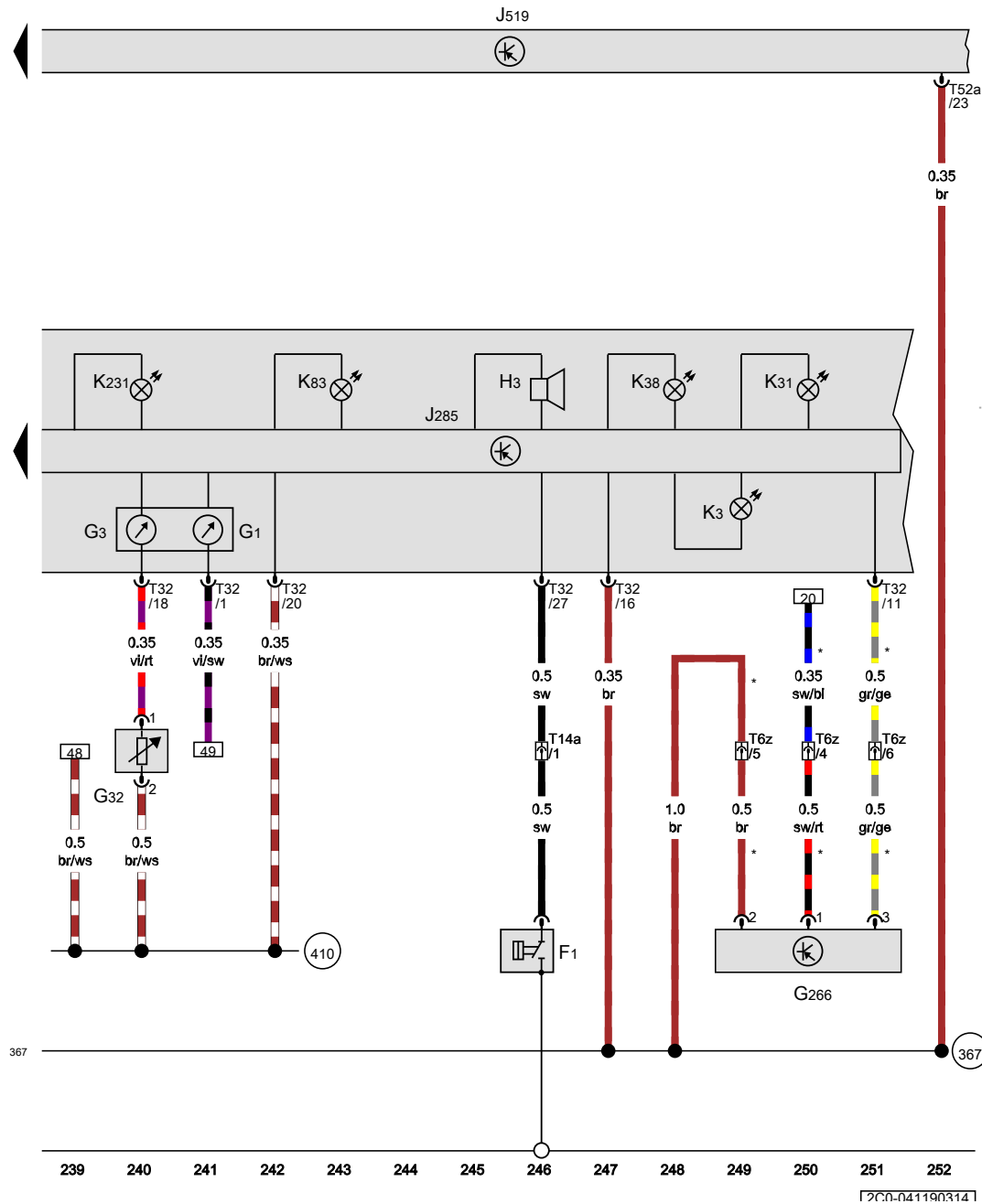
Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown

- (367) Earth connection 2, 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
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection

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



Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
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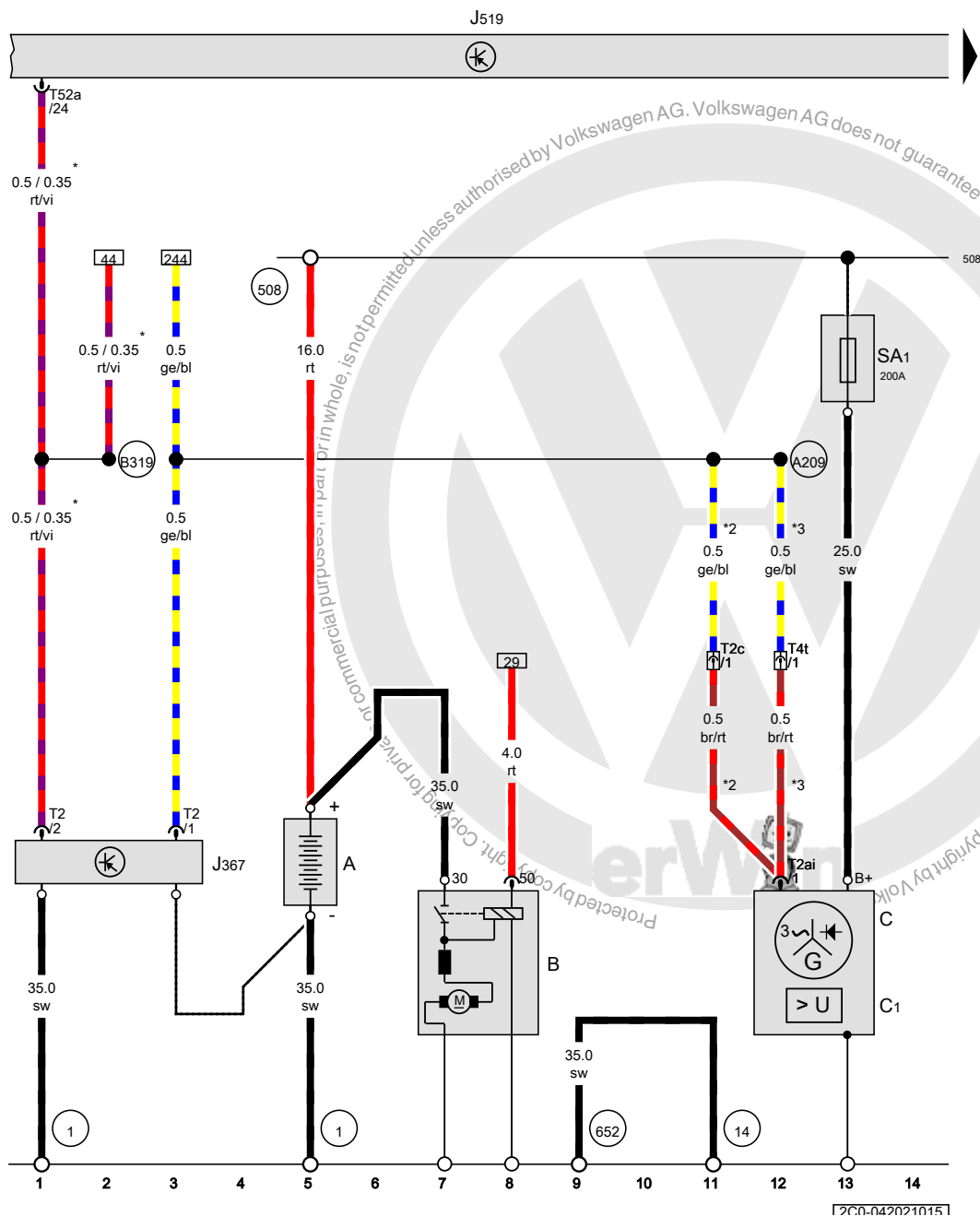
19C00-041190314

2.0l diesel engine with start/stop system , CFHC,CFHE,CFHF

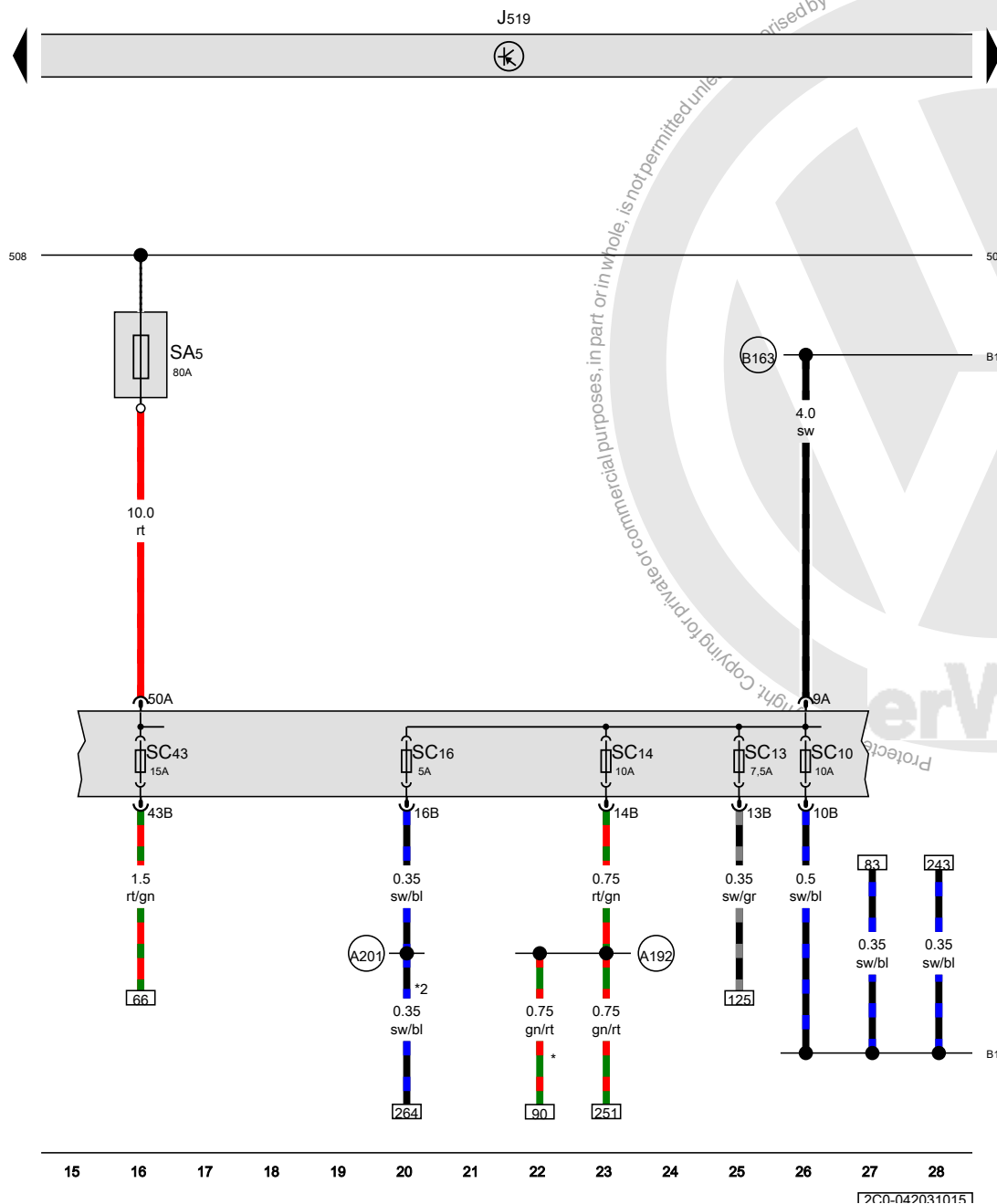
From November 2011



Battery, Starter, Alternator, Battery monitor control unit,
Onboard supply control unit, Fuse 1 in fuse holder A



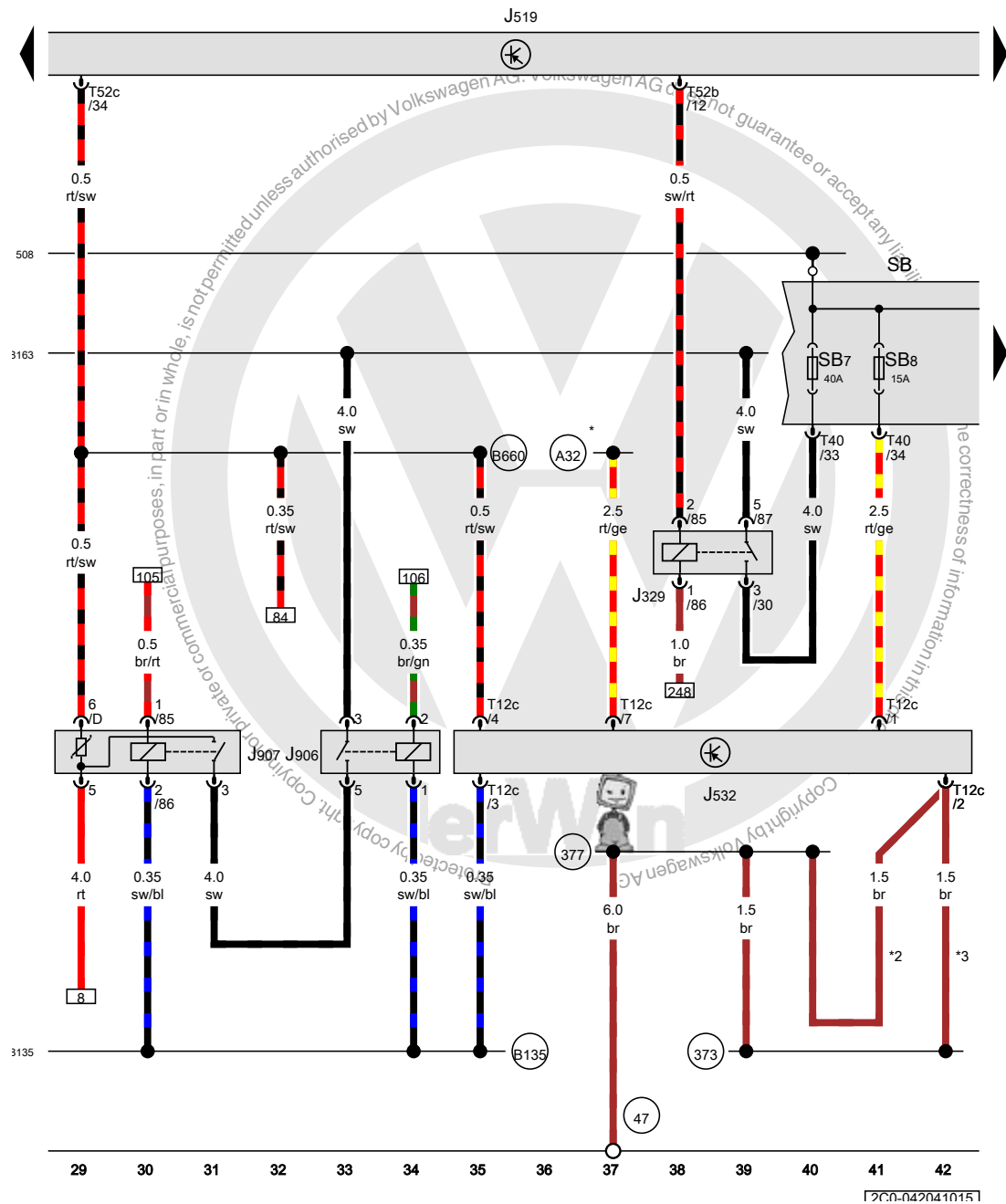
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2 2-pin connector
- T2ai 2-pin connector, black
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T52a 52-pin connector, black
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only right-hand drive models
- *2 Only models with no air conditioning system
- *3 Only models with air conditioning system



Onboard supply control unit, Fuse 5 in fuse holder A, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C, Fuse 43 on fuse holder C

- J519 Onboard supply control unit
- SA5 Fuse 5 in fuse holder A
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with flexible service interval display

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

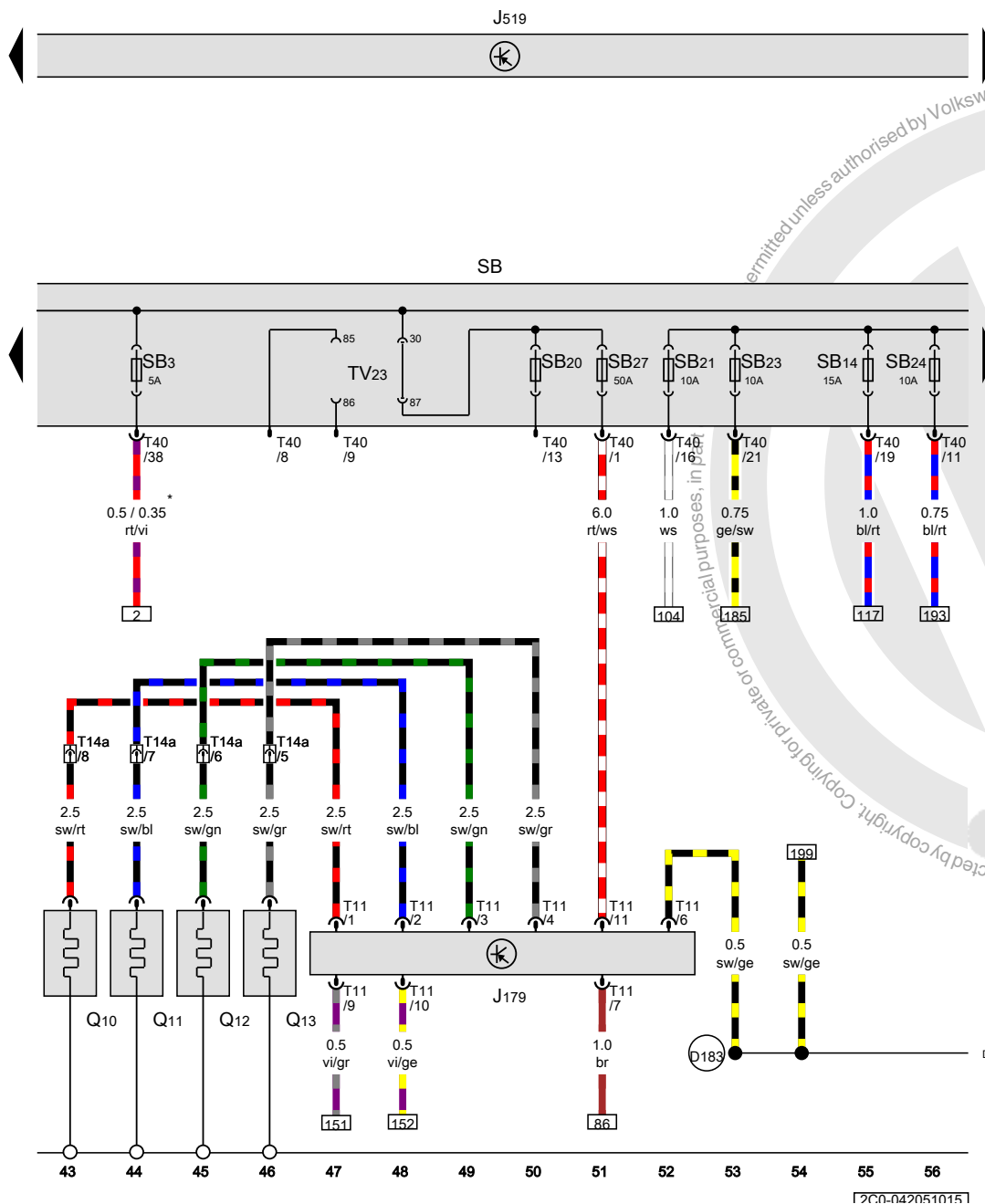


Terminal 15 voltage supply relay, Onboard supply control unit, Voltage stabiliser, Starter relay 1, Starter relay 2, Fuse holder B

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- T12c 12-pin connector, black
- T40 40-pin connector
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness
- * see applicable current flow diagram for fuse assignment
- *2 Only right-hand drive models
- *3 Only left-hand drive models

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Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge



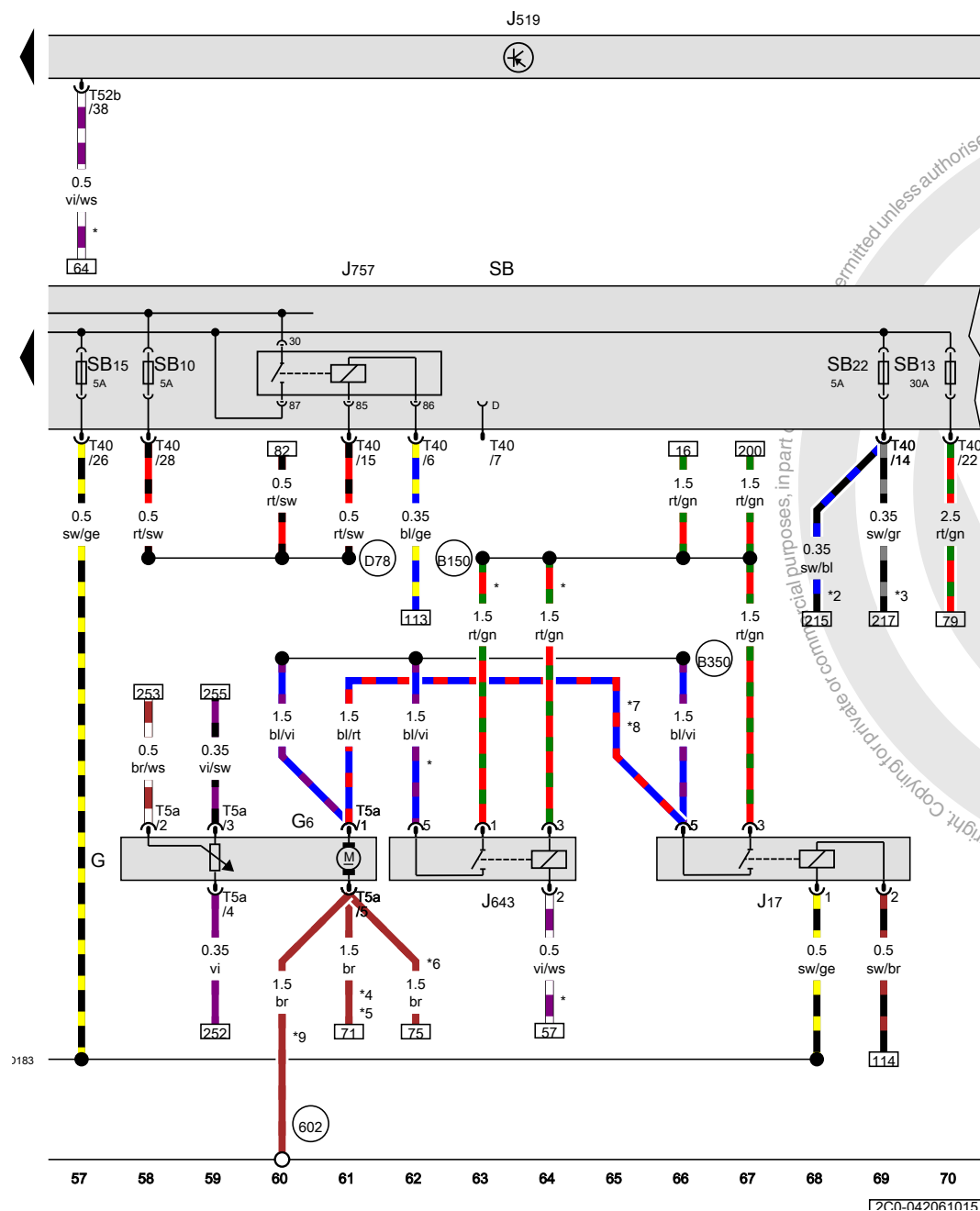
- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector

D183 Connection 4 (87a) in engine compartment wiring harness

* Only right-hand drive models

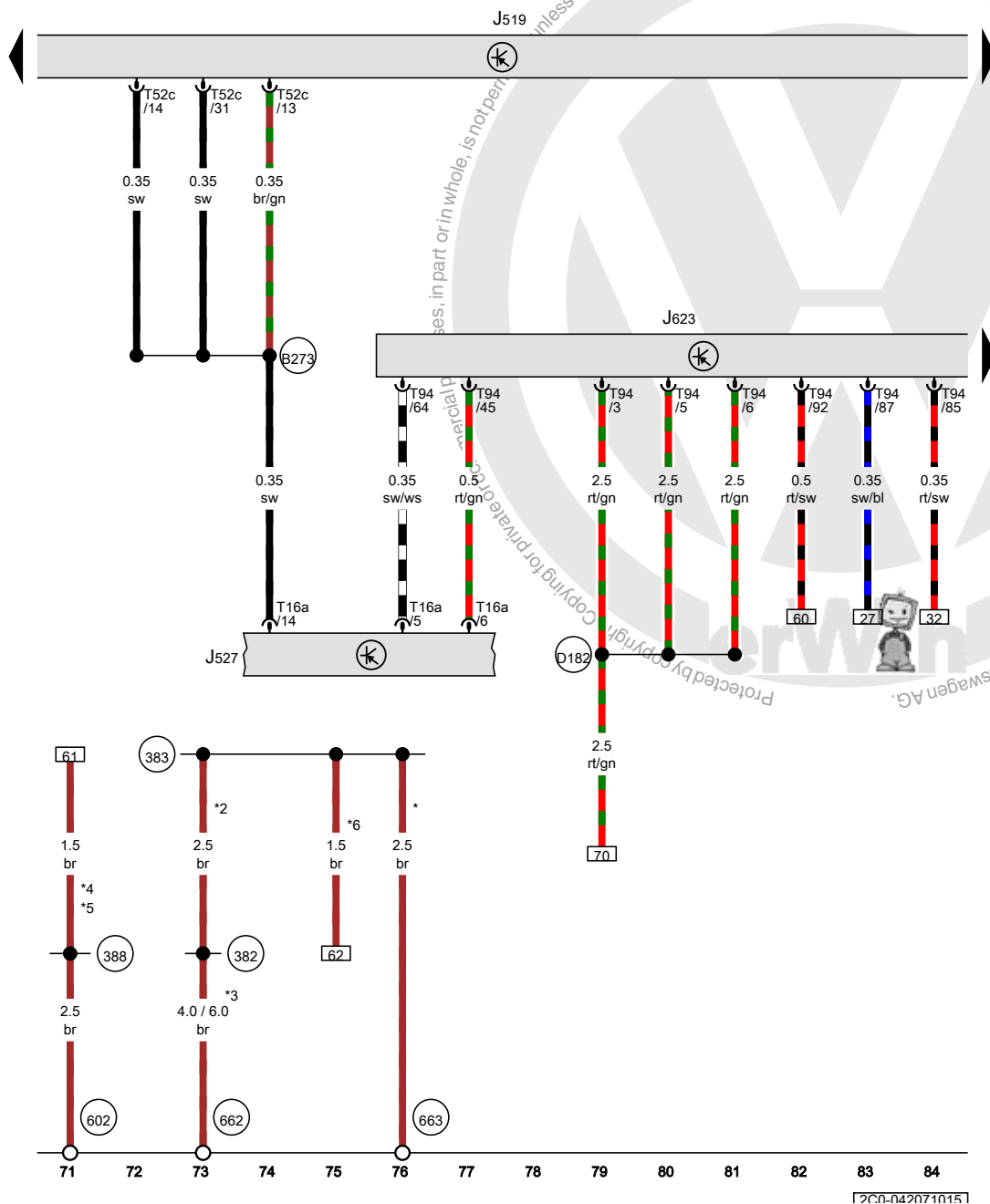
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 gn = green
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Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay, Engine component current supply relay, Fuse holder B



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T5a 5-pin connector, black
- T40 40-pin connector
- T52b 52-pin connector, white
- 602 Earth point, in front left footwell
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a) in engine compartment wiring harness
- * Only models with auxiliary heating
- *2 Only models with manual gearbox
- *3 Only models with dual clutch gearbox (DSG)
- *4 From May 2012
- *5 Up to October 2012
- *6 Up to April 2012
- *7 Only models with all-wheel drive
- *8 Only models with no auxiliary heater
- *9 From November 2012

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 sw = black
 ro = red
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 gr = grey
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 vi = purple
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 or = orange
 rs = pink



Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T52c 52-pin connector, brown
- T94 94-pin connector
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 602 Earth point, in front left footwell
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- B273 Positive connection (15), in main wiring harness
- D182 Connection 3 (87a) in engine compartment wiring harness
- * Optional equipment
- *2 Only models with basic equipment
- *3 According to equipment
- *4 From May 2012
- *5 Up to October 2012
- *6 Up to April 2012

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

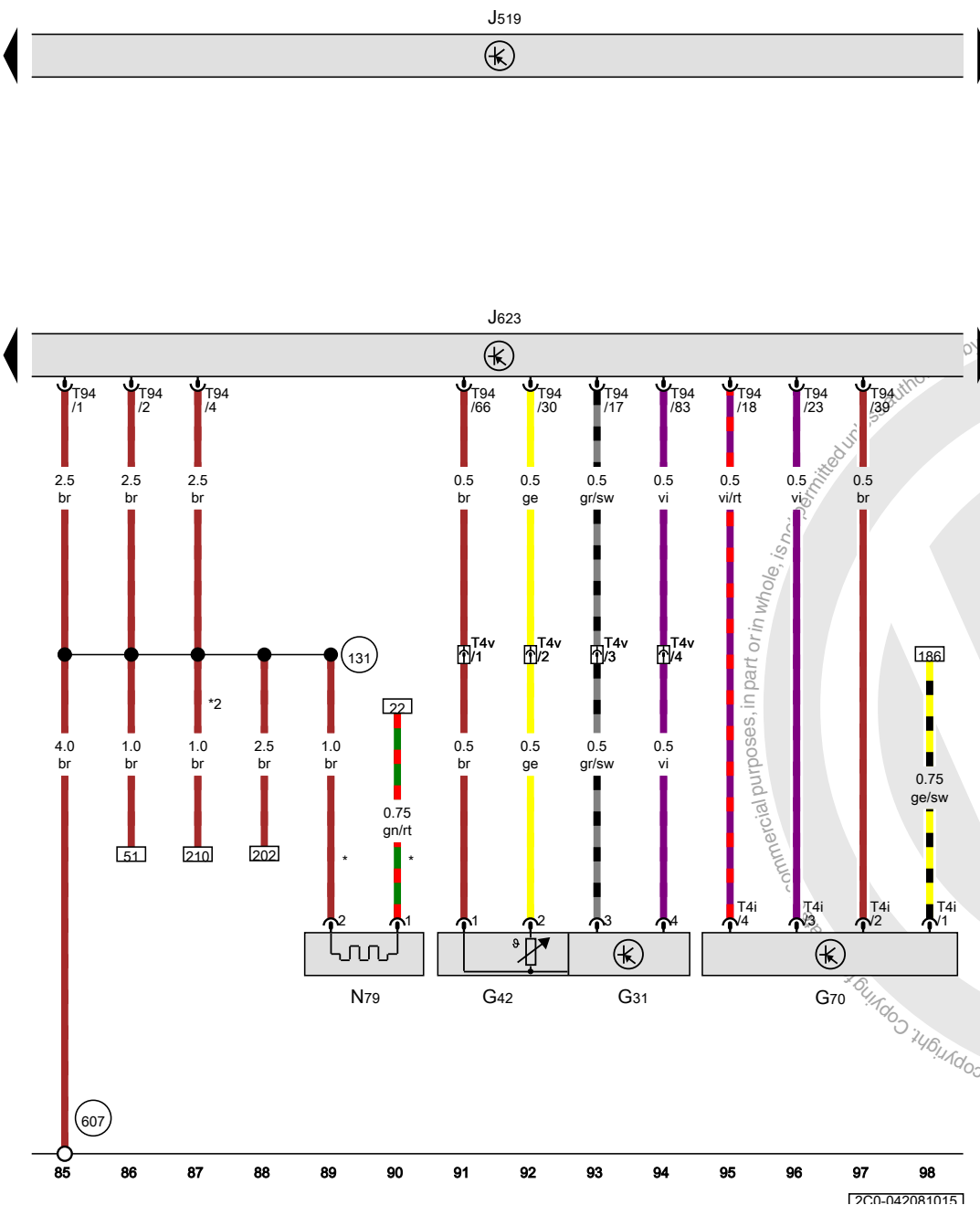
Charge pressure sender, Intake air temperature sender, Air mass meter, Onboard supply control unit, Engine control unit, Heater element for crankcase breather

- G31 Charge pressure sender
- G42 Intake air temperature sender
- G70 Air mass meter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T4i 4-pin connector, black
- T4v 4-pin connector, near left headlight, black
- T94 94-pin connector

131 Earth connection 2, in engine compartment wiring harness

607 Earth point, on left in plenum chamber

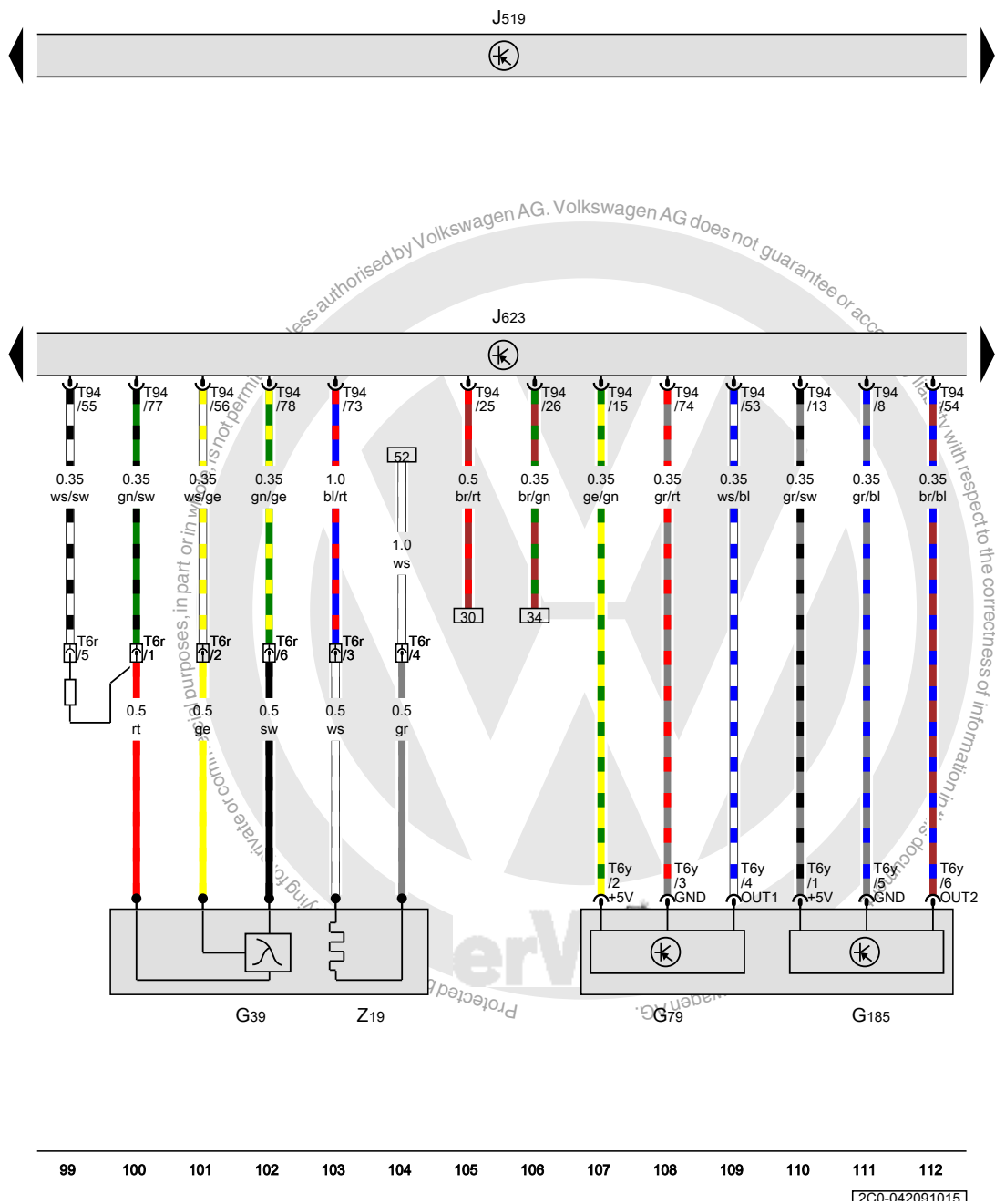
- * Only models with crankcase breather heater element
- *2 Only models with manual gearbox



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- br = brown
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Lambda probe, Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6r 6-pin connector, in rear of engine compartment, black
- T6y 6-pin connector, black
- T94 94-pin connector
- Z19 Lambda probe heater

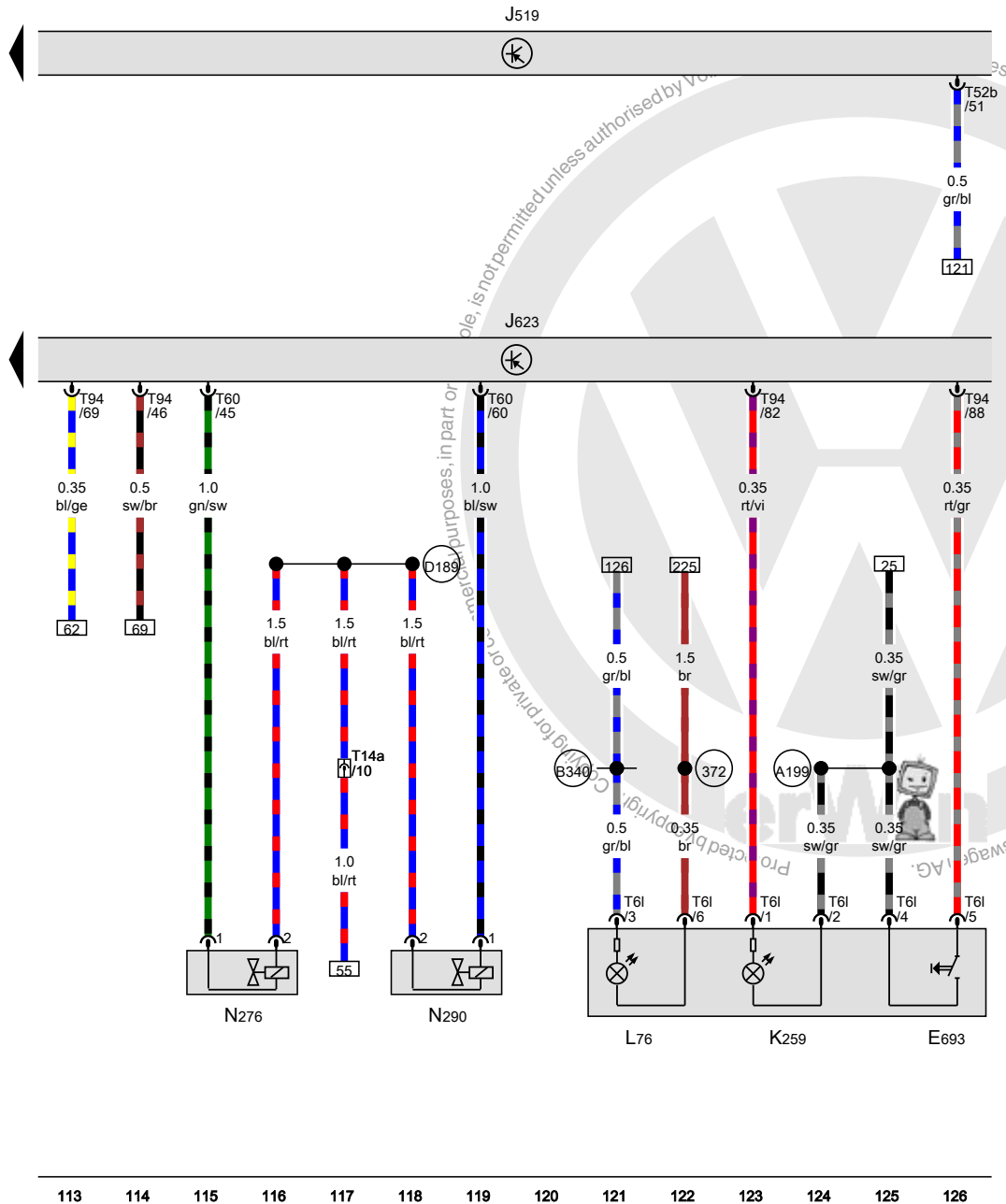


Start/Stop operation button, Onboard supply control unit, Engine control unit, Fuel pressure regulating valve, Fuel metering valve

- E693 Start/Stop operation button
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T6I 6-pin connector, blue
- T14a 14-pin connector, near left headlight, black
- T52b 52-pin connector, white
- T60 60-pin connector
- T94 94-pin connector

- 372 Earth connection 7, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- D189 Connection (87a) in engine prewiring harness

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113 114 115 116 117 118 119 120 121 122 123 124 125 126

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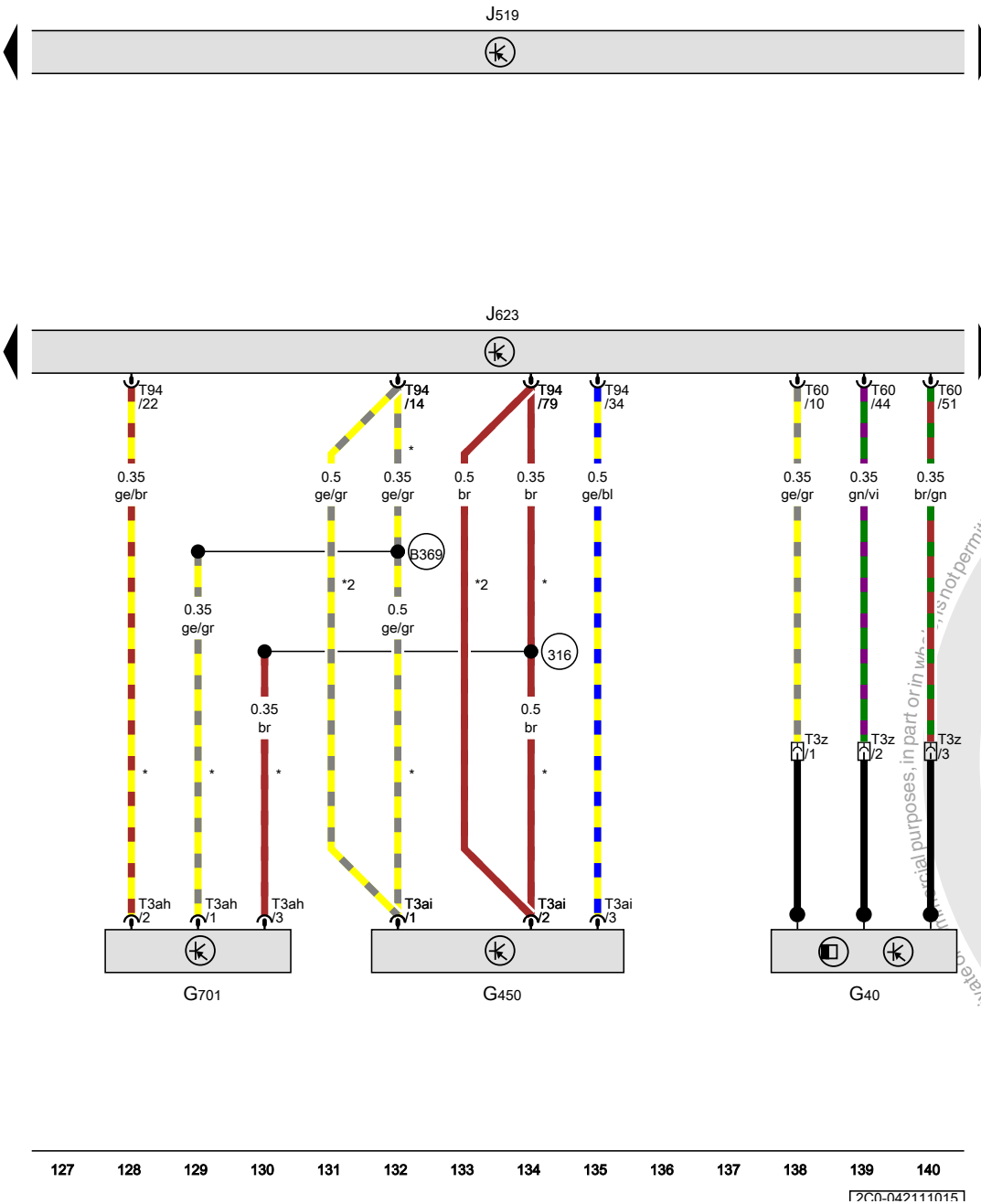
Hall sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Onboard supply control unit, Engine control unit

- G40 Hall sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ah 3-pin connector, brown
- T3ai 3-pin connector
- T3z 3-pin connector, on front of engine, black
- T60 60-pin connector
- T94 94-pin connector

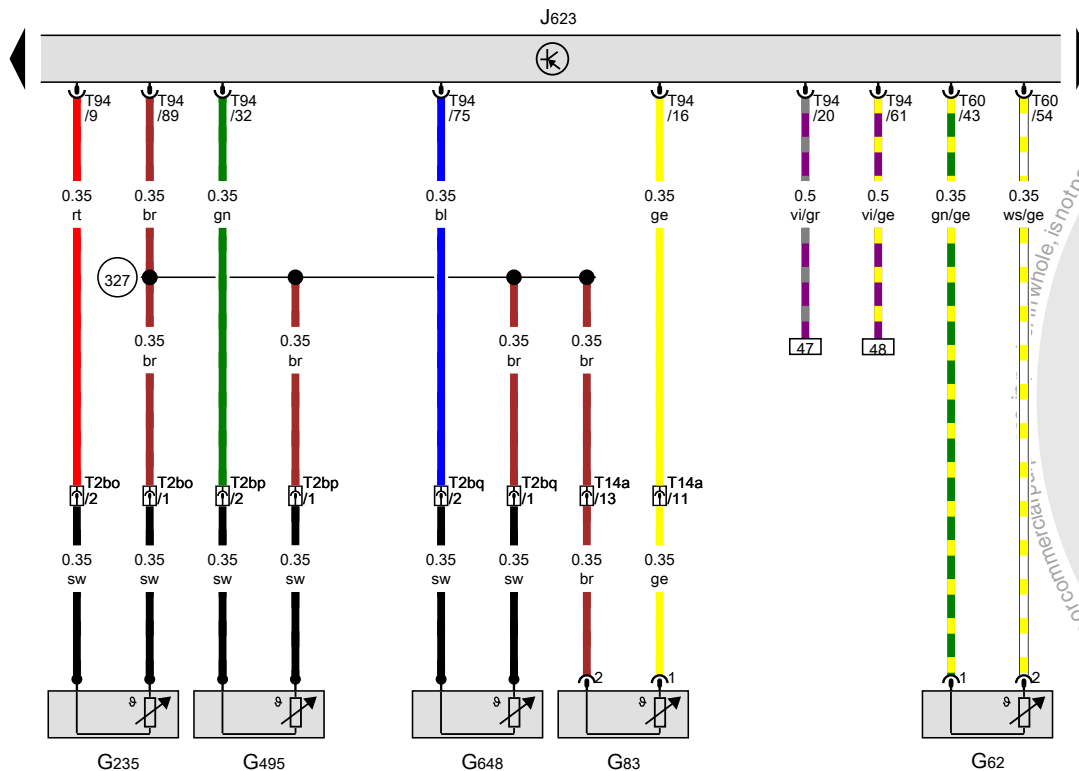
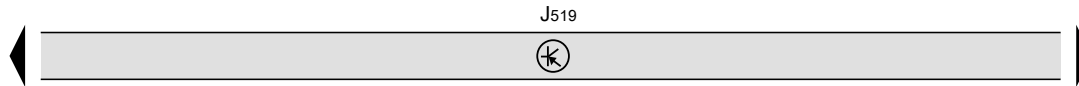
316 Earth connection (sender earth 2) in engine wiring harness

B369 Connection 1 (5V), in main wiring harness

- * Only models with manual gearbox
- *2 Only models with dual clutch gearbox 02E



- ws = white
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- gr = grey
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- vi = purple
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- or = orange
- rs = pink



Coolant temperature sender, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Onboard supply control unit, Engine control unit

- G62 Coolant temperature sender
- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T2bo 2-pin connector, in rear of engine compartment, black
- T2bp 2-pin connector, in rear of engine compartment, brown
- T2bq 2-pin connector, in rear of engine compartment
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness

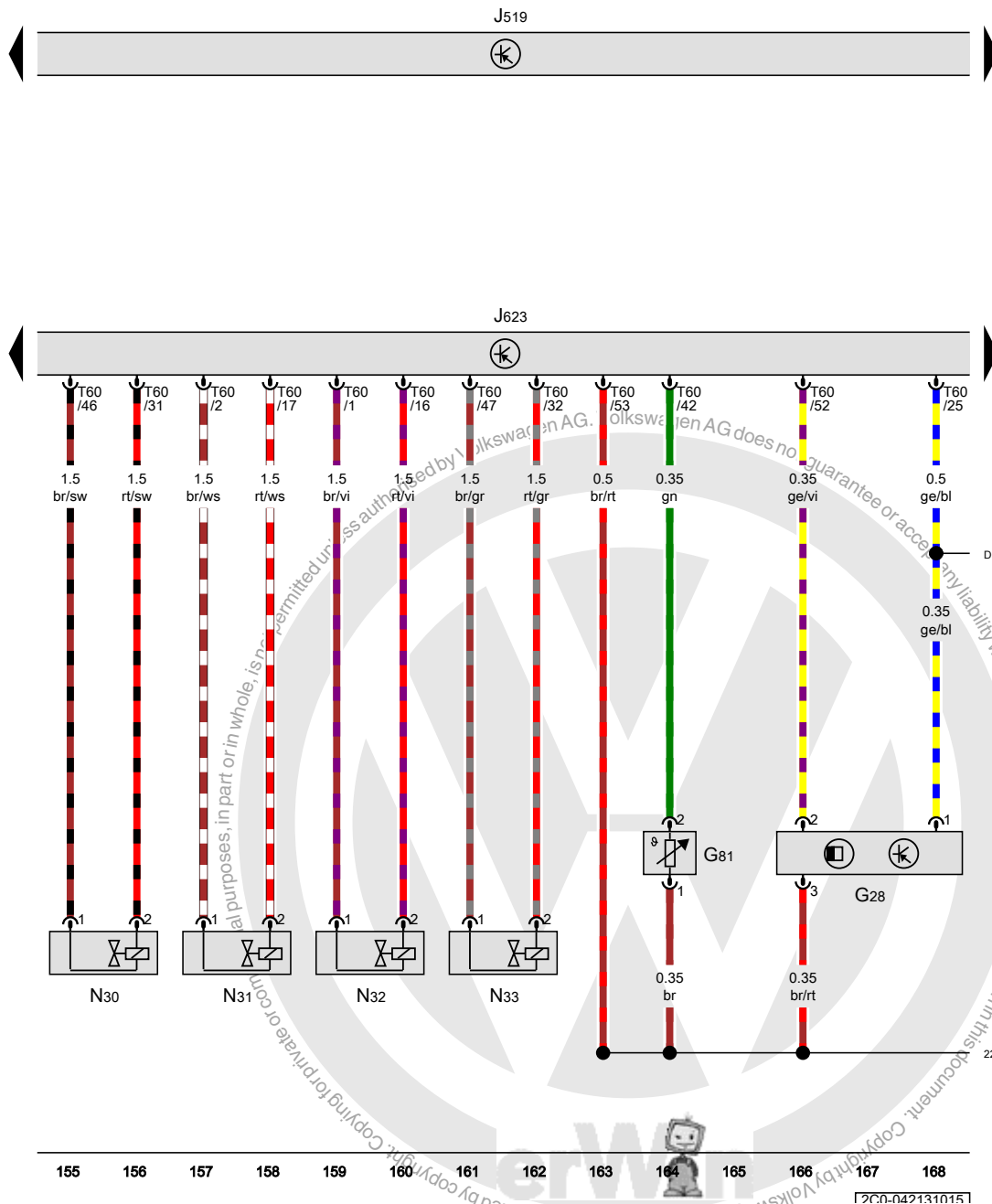
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- ge = yellow
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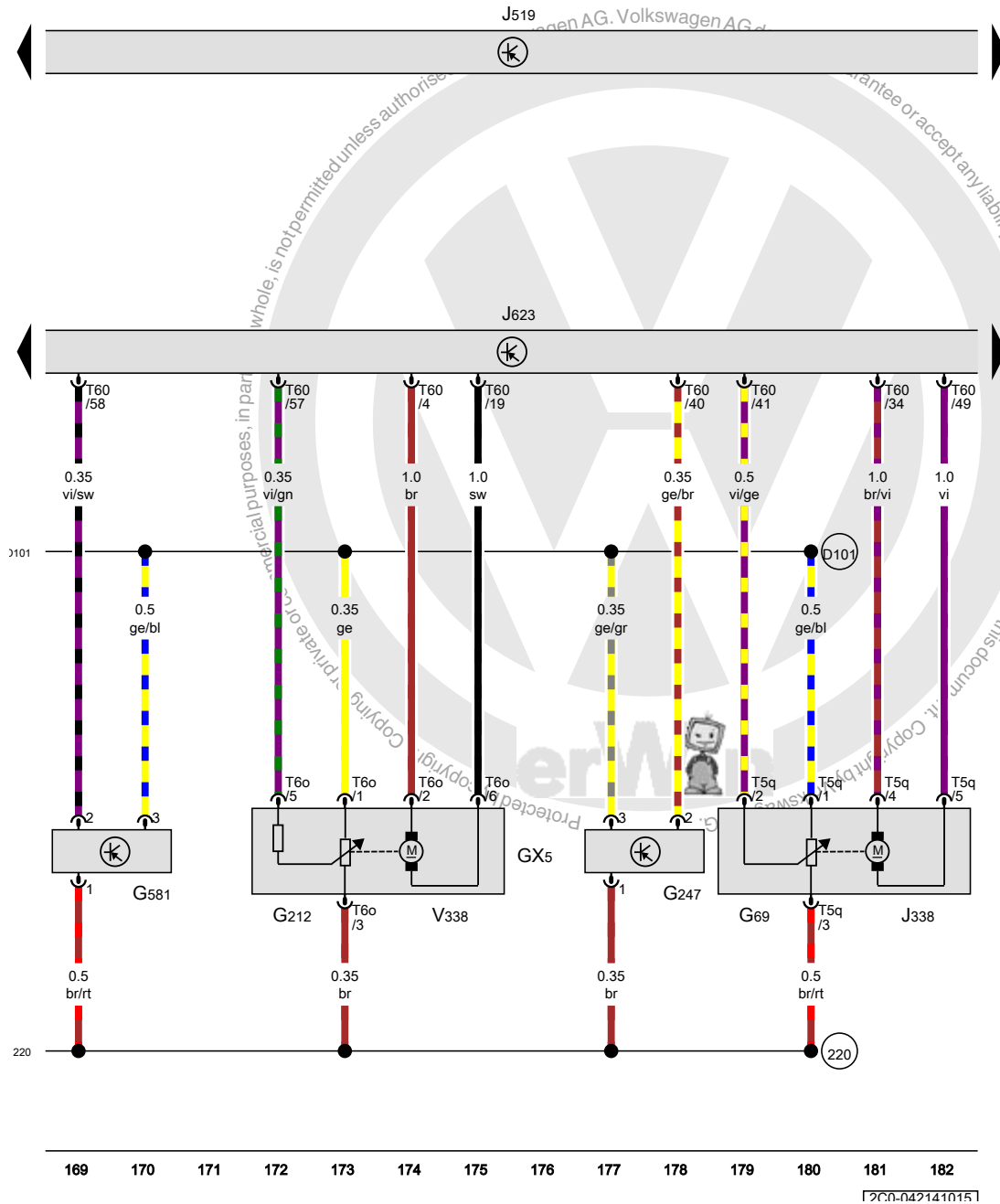
Engine speed sender, Fuel temperature sender, Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- G28 Engine speed sender
- G81 Fuel temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T60 60-pin connector

220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness





Exhaust gas recirculation valve 1, Throttle valve potentiometer, Exhaust gas recirculation potentiometer, Fuel pressure sender, Position sender for charge pressure positioner, Throttle valve module, Onboard supply control unit, Engine control unit, Exhaust gas recirculation control motor

- GX5 Exhaust gas recirculation valve 1
- G69 Throttle valve potentiometer
- G212 Exhaust gas recirculation potentiometer
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5q 5-pin connector, black
- T6o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

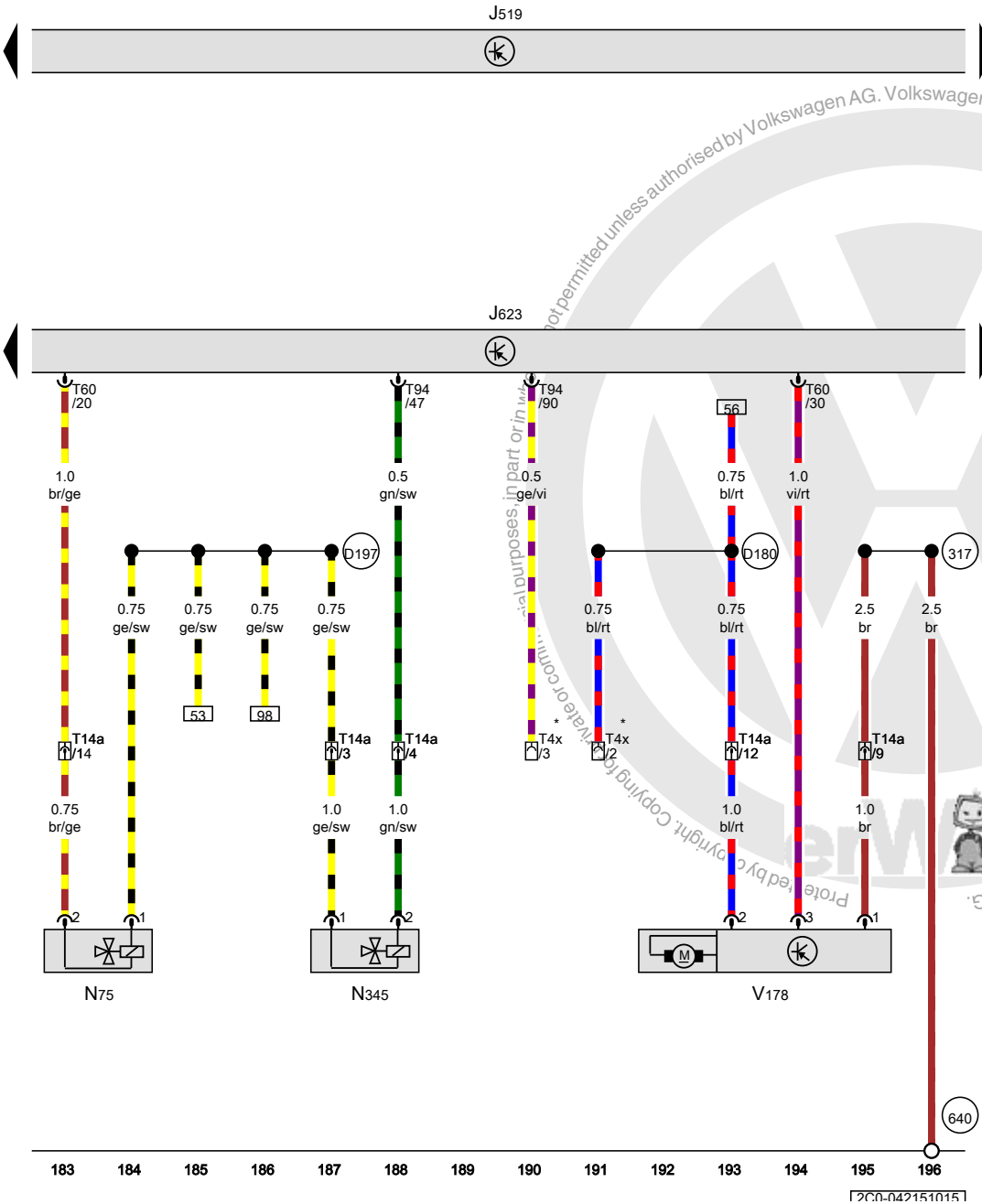
220 Earth connection (sender earth), in engine wiring harness

D101 Connection 1 in engine compartment wiring harness

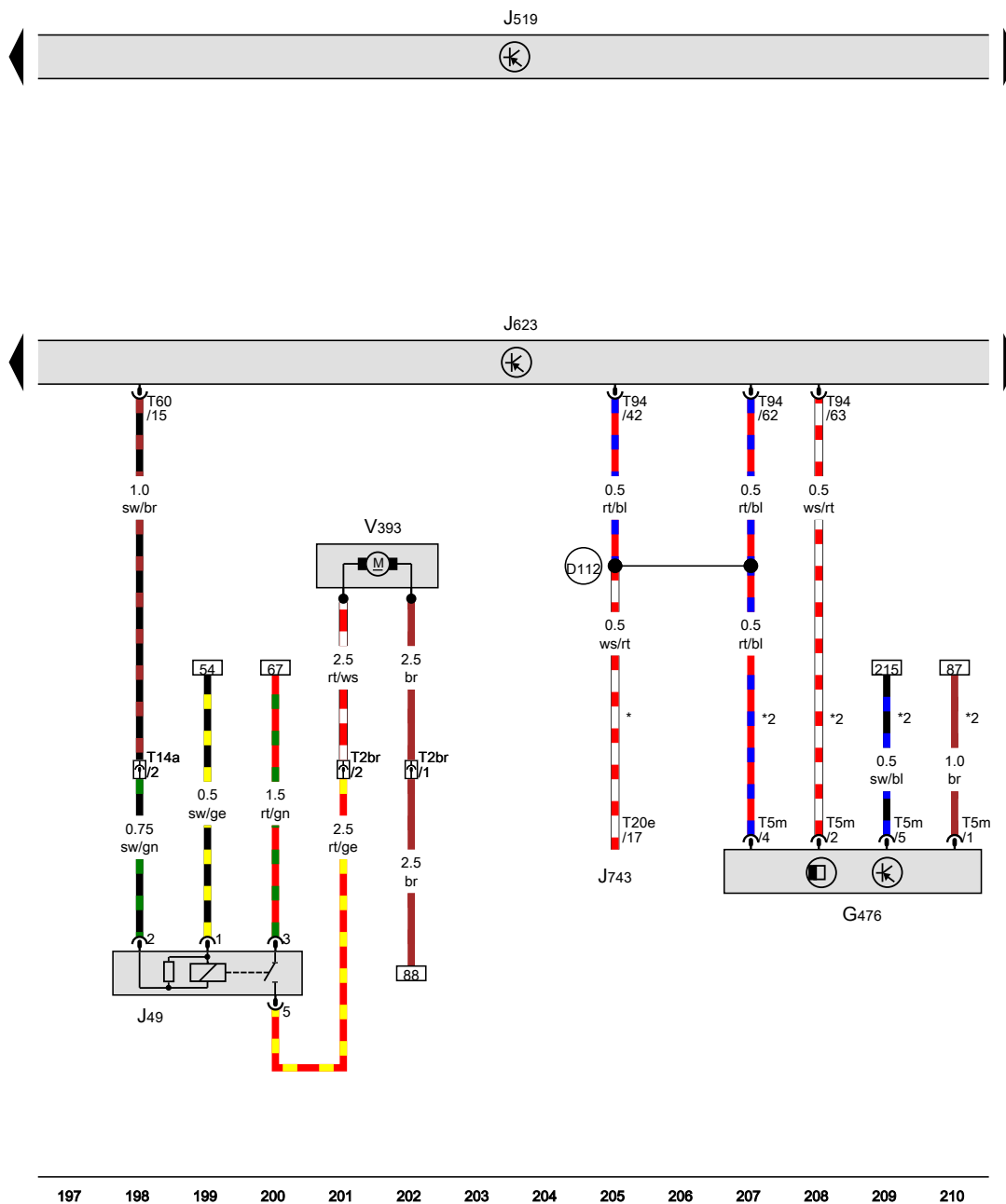
- ws = white
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- rs = pink

Onboard supply control unit, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump 2

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T4x 4-pin connector, on radiator fan, bottom left
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D180 Connection (87a), in engine compartment wiring harness
- D197 Connection 5 (87a) in engine compartment wiring harness
- * Radiator fan connection



ws = white
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 ro = red
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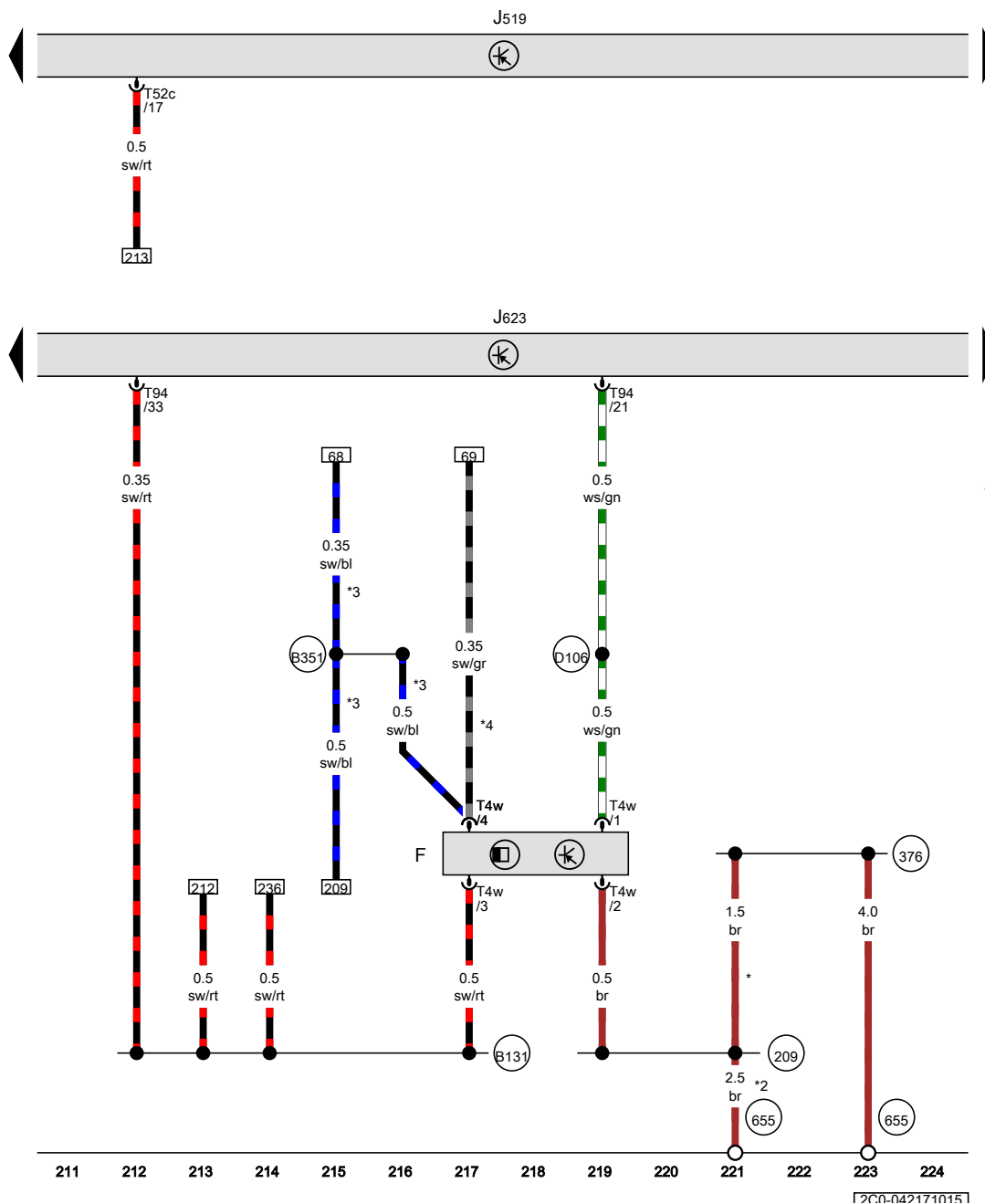
Clutch position sender, Electric fuel pump 2 relay, Onboard supply control unit, Engine control unit, Supplementary fuel pump

- G476 Clutch position sender
- J49 Electric fuel pump 2 relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- J743 Mechatronic unit for dual clutch gearbox
- T2br 2-pin connector, in rear right of engine compartment, black
- T5m 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T20e 20-pin connector, black
- T60 60-pin connector
- T94 94-pin connector
- V393 Supplementary fuel pump

D112 Connection 10 in engine compartment wiring harness

- * Only models with dual clutch gearbox 02E
- *2 Only models with manual gearbox

ws = white
 sw = black
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 rt = red
 br = brown
 gn = green
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 vi = purple
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 or = orange
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Brake light switch, Onboard supply control unit, Engine control unit

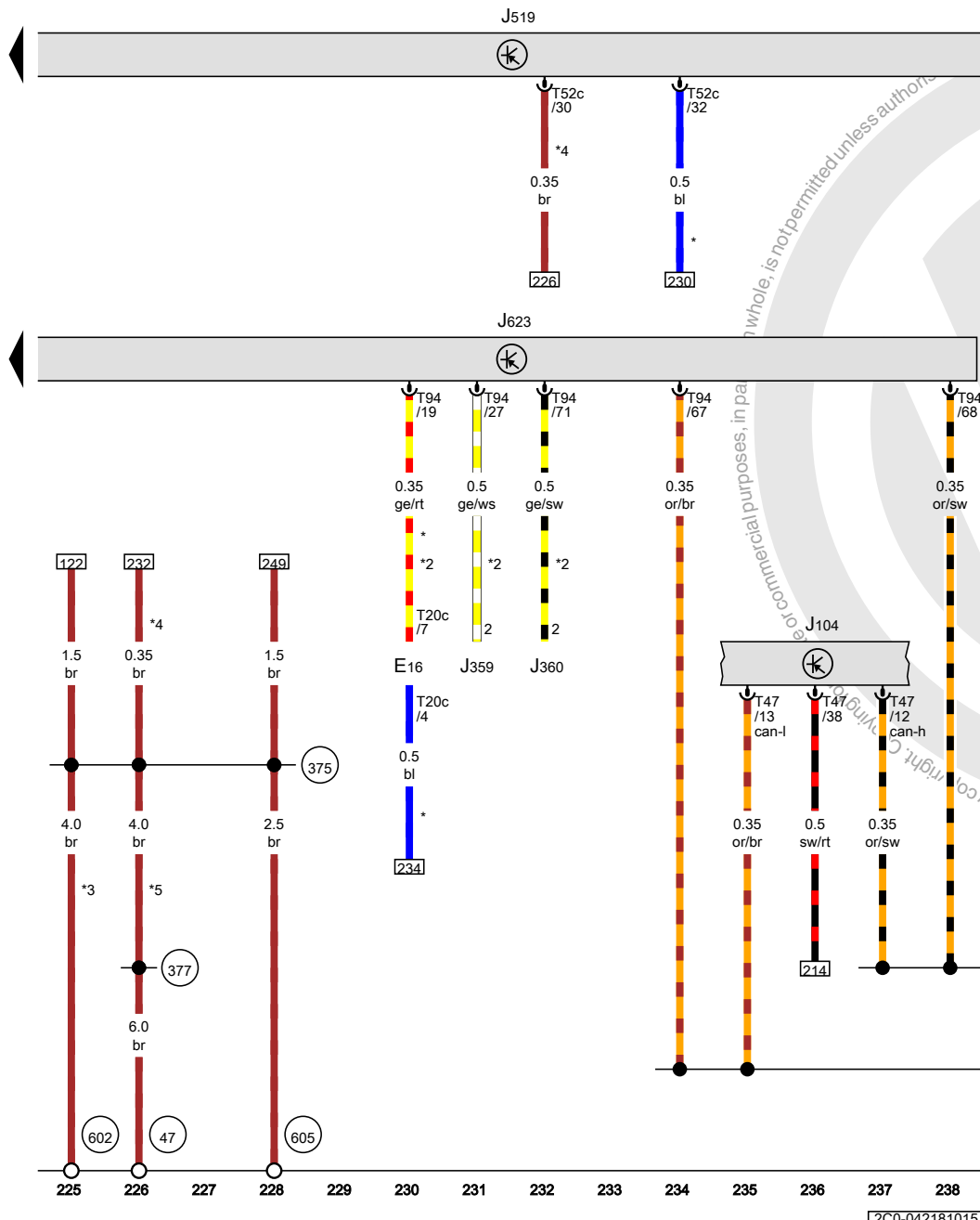
- F Brake light switch
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- (209) Earth connection 6, in engine compartment wiring harness
- (376) Earth connection 11, in main wiring harness
- (655) Earth point, on left headlight
- (B131) Connection (54), in interior wiring harness
- (B351) Positive connection 2 (87a) in main wiring harness
- (D106) Connection 4 in engine compartment wiring harness

- * Up to April 2012
- *2 From May 2012
- *3 Only models with manual gearbox
- *4 Only models with dual clutch gearbox (DSG)

- 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

Onboard supply control unit, Engine control unit



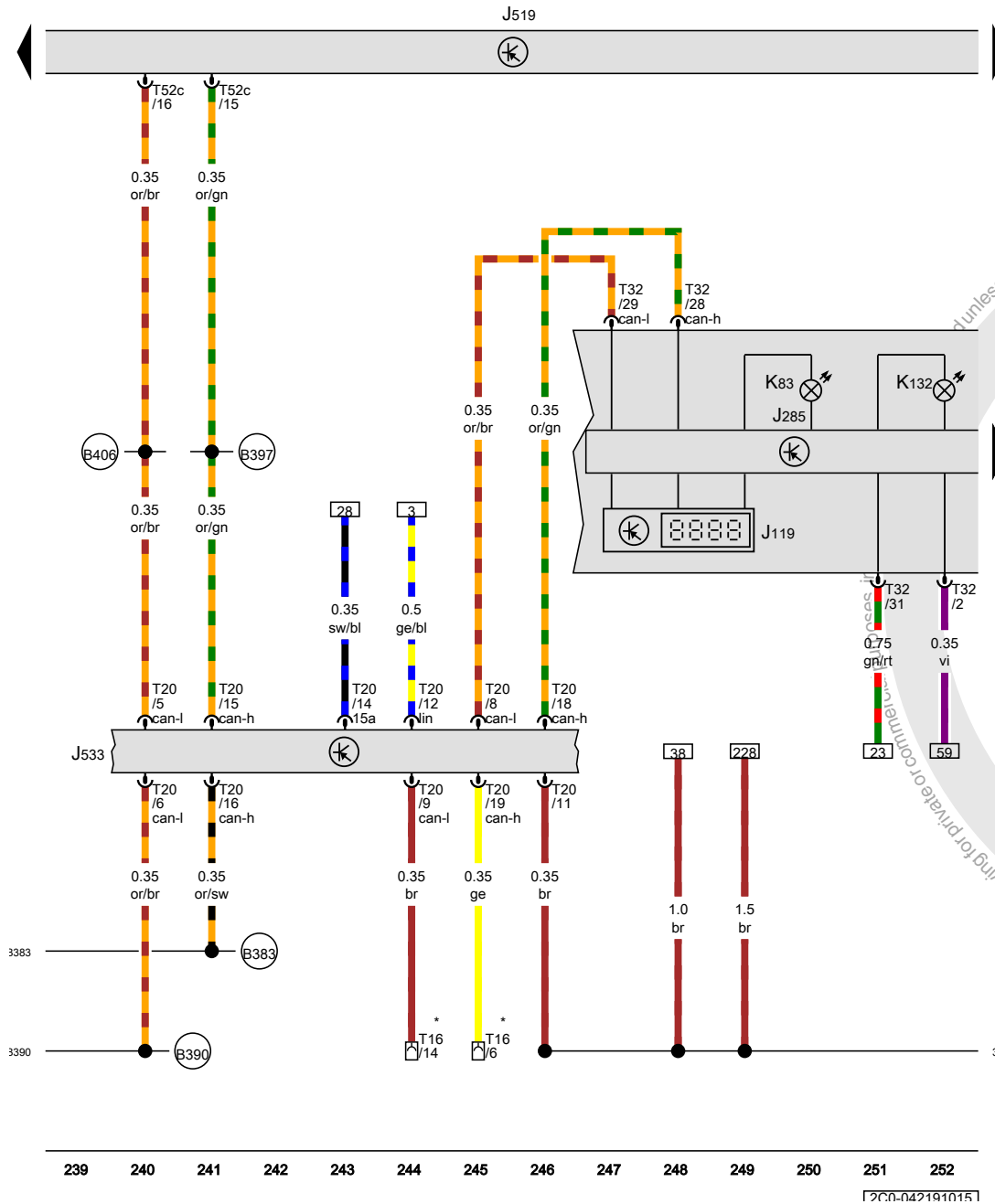
- E16 Heater/heat output switch
- J104 ABS control unit
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T20c 20-pin connector
- T47 47-pin connector
- T52c 52-pin connector, brown
- T94 94-pin connector

- 47 Earth point, in front right footwell
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 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 no air conditioning system
- *2 Only models with auxiliary air heater
- *3 Only left-hand drive models
- *4 Only models with start/stop system
- *5 Only right-hand drive models

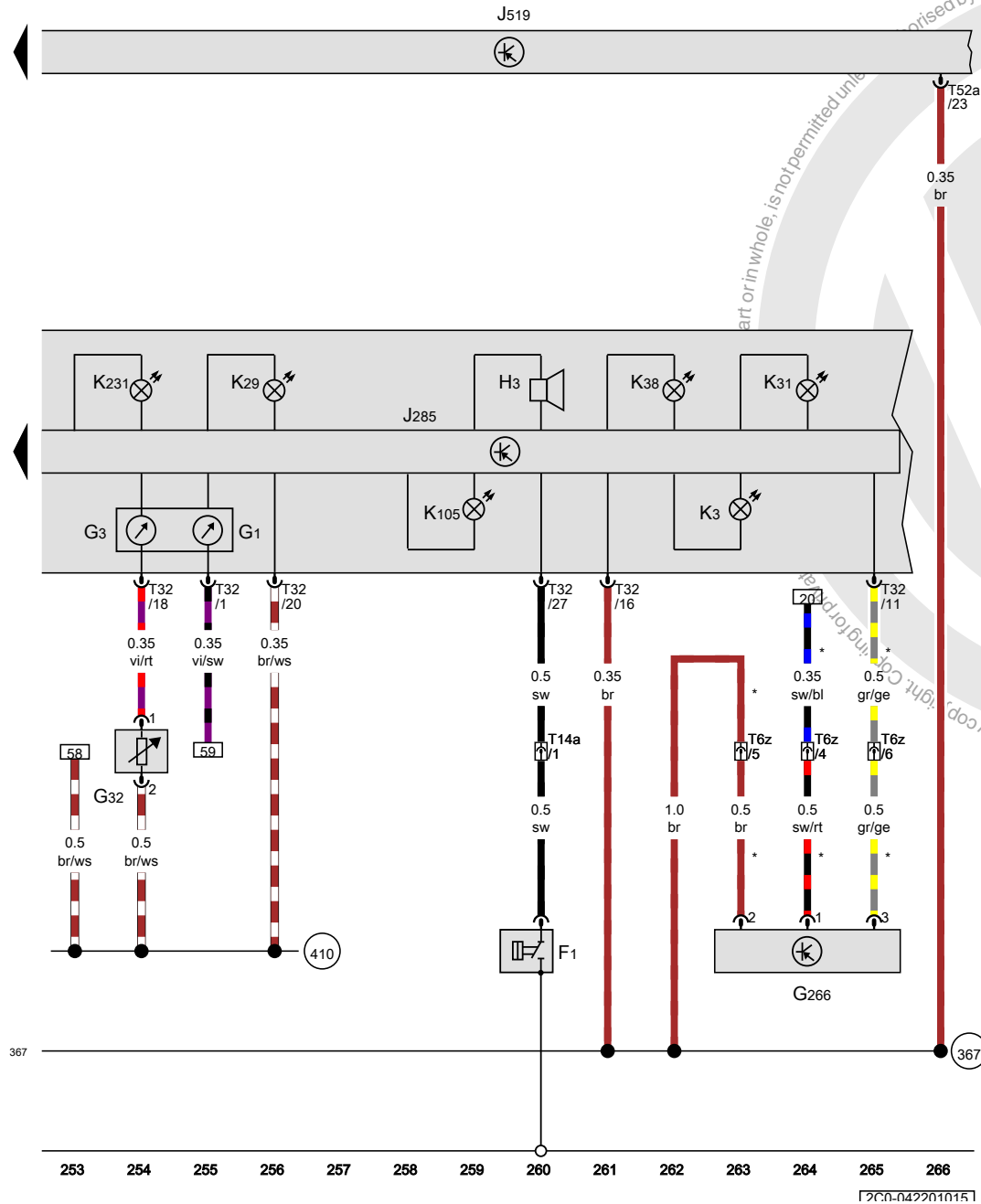
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1700-042181015

Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



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Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

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- bl = blue
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Special equipment, police , (F4G),(F4R)

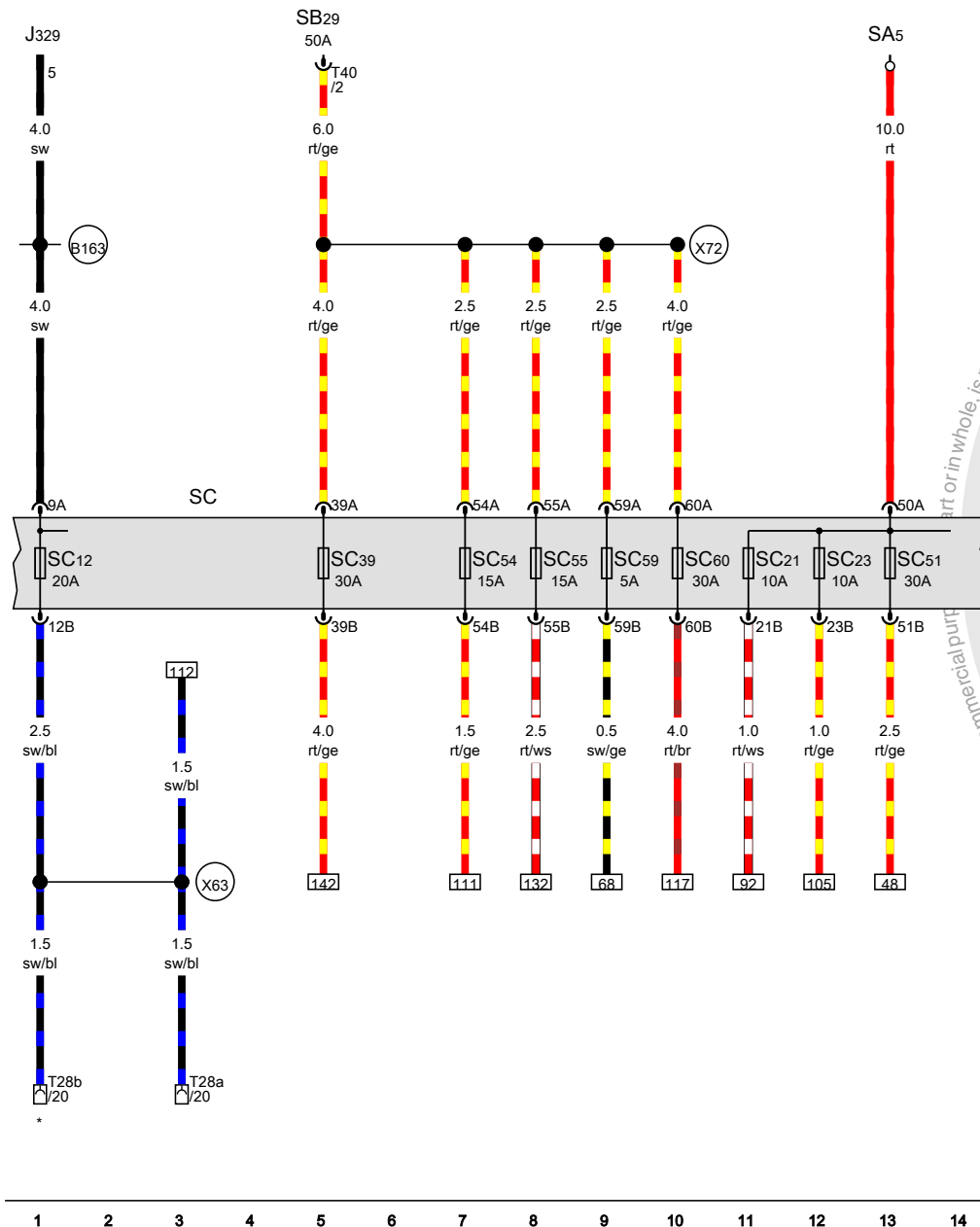
From November 2011



Fuse 5 in fuse holder A, Fuse holder C

- J329 Terminal 15 voltage supply relay
- SA5 Fuse 5 in fuse holder A
- SB29 Fuse 29 on fuse holder B
- SC Fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC39 Fuse 39 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, Right A-pillar
- T40 40-pin connector

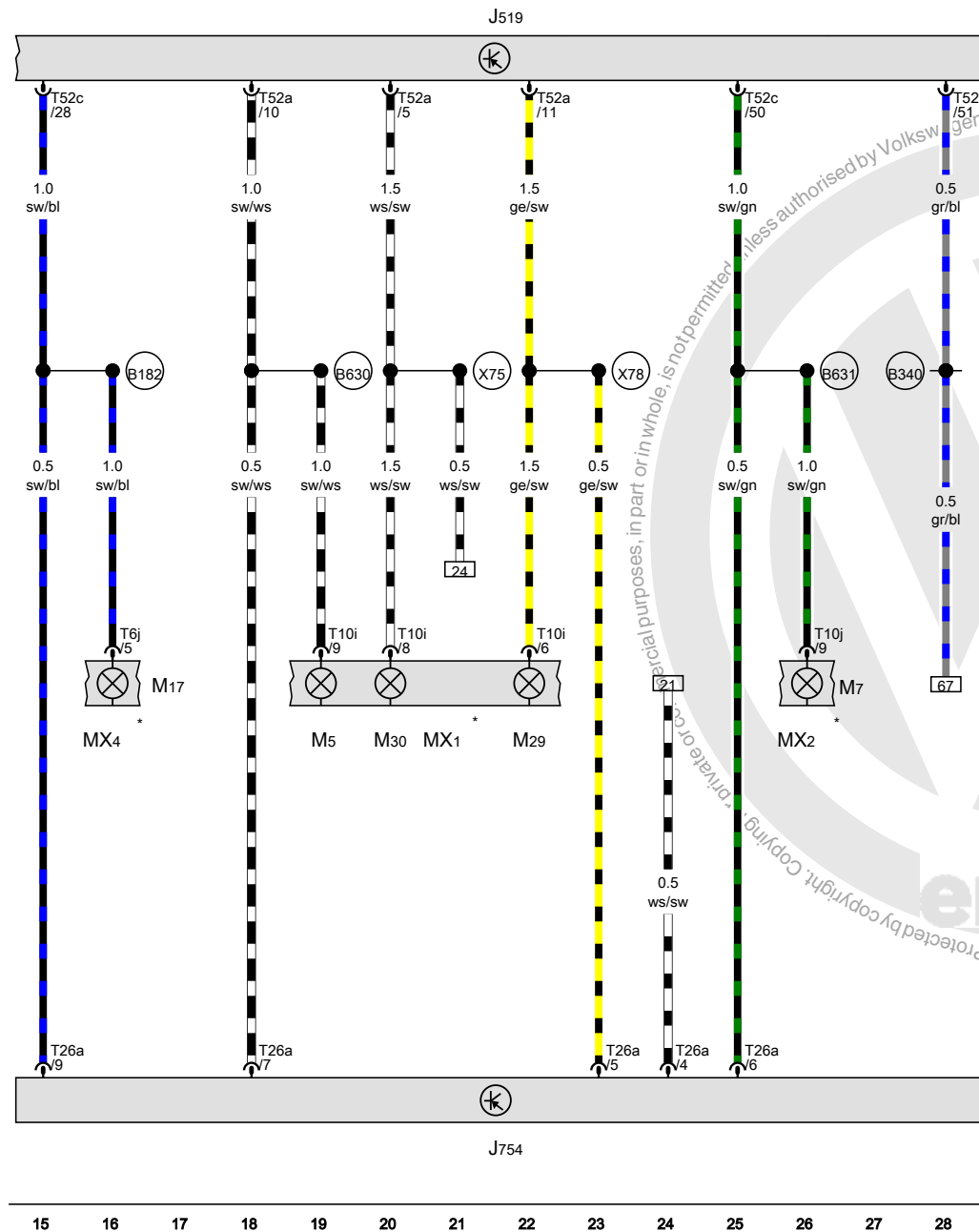
- B163 Positive connection 1 (15), in interior wiring harness
- X63 Positive connection 1 (15a), in optional equipment wiring harness
- X72 Positive connection (30), in police wiring harness
- * Connection for 2-way radio



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12C0-0430202161

Onboard supply control unit, Accident data memory, Front left headlight, Front right headlight, Right tail light



- J519 Onboard supply control unit
- J754 Accident data memory
- MX1 Front left headlight
- MX2 Front right headlight
- MX4 Right tail light
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M17 Right reversing light bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T6j 6-pin connector
- T10i 10-pin connector
- T10j 10-pin connector
- T26a 26-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- B182 Connection (RL), in interior wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B630 Positive connection (left turn signal bulb), in main wiring harness
- B631 Positive connection (right turn signal bulb), in main wiring harness
- X75 Connection (56al), in optional equipment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- * see applicable current flow diagram for basic equipment

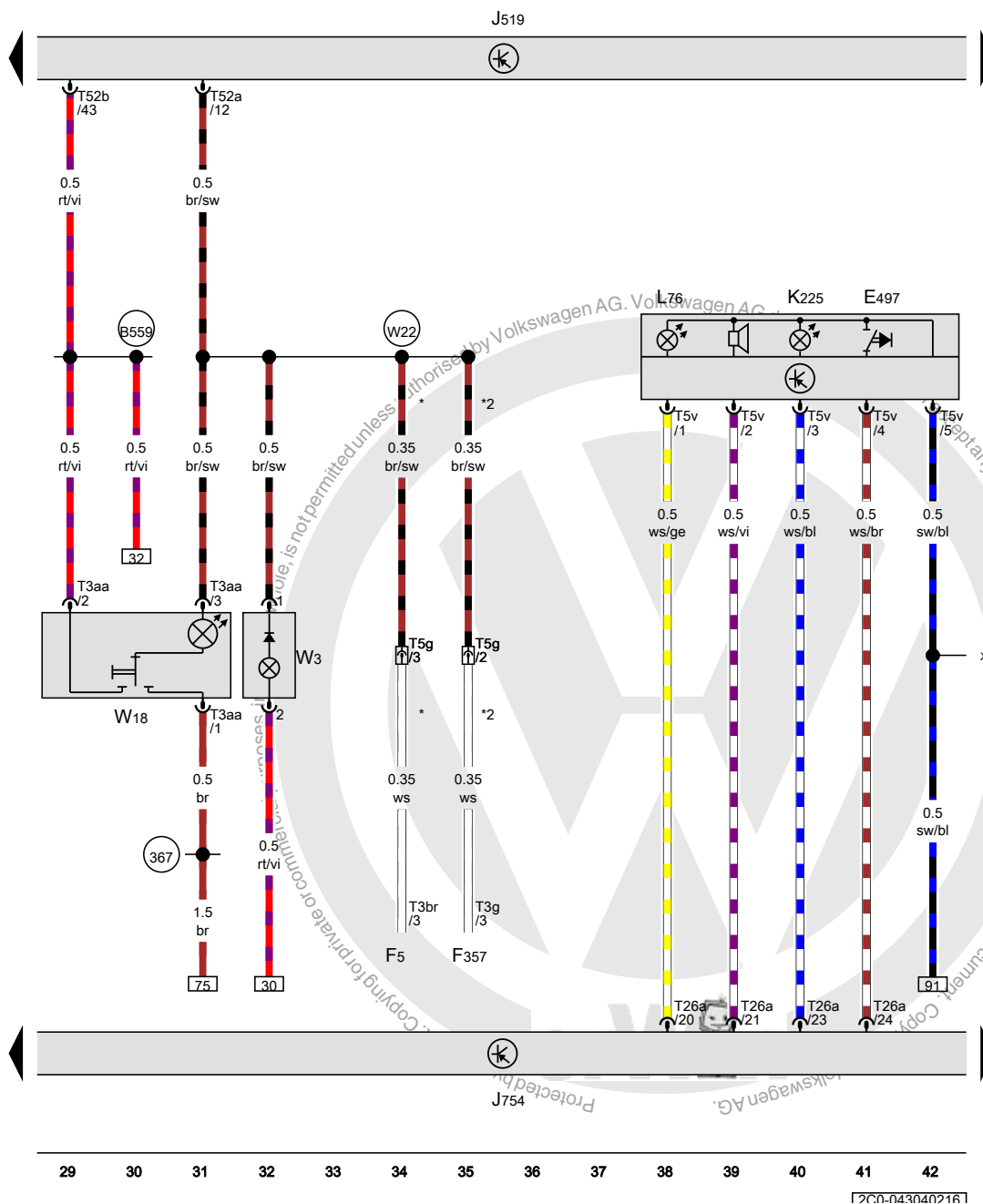
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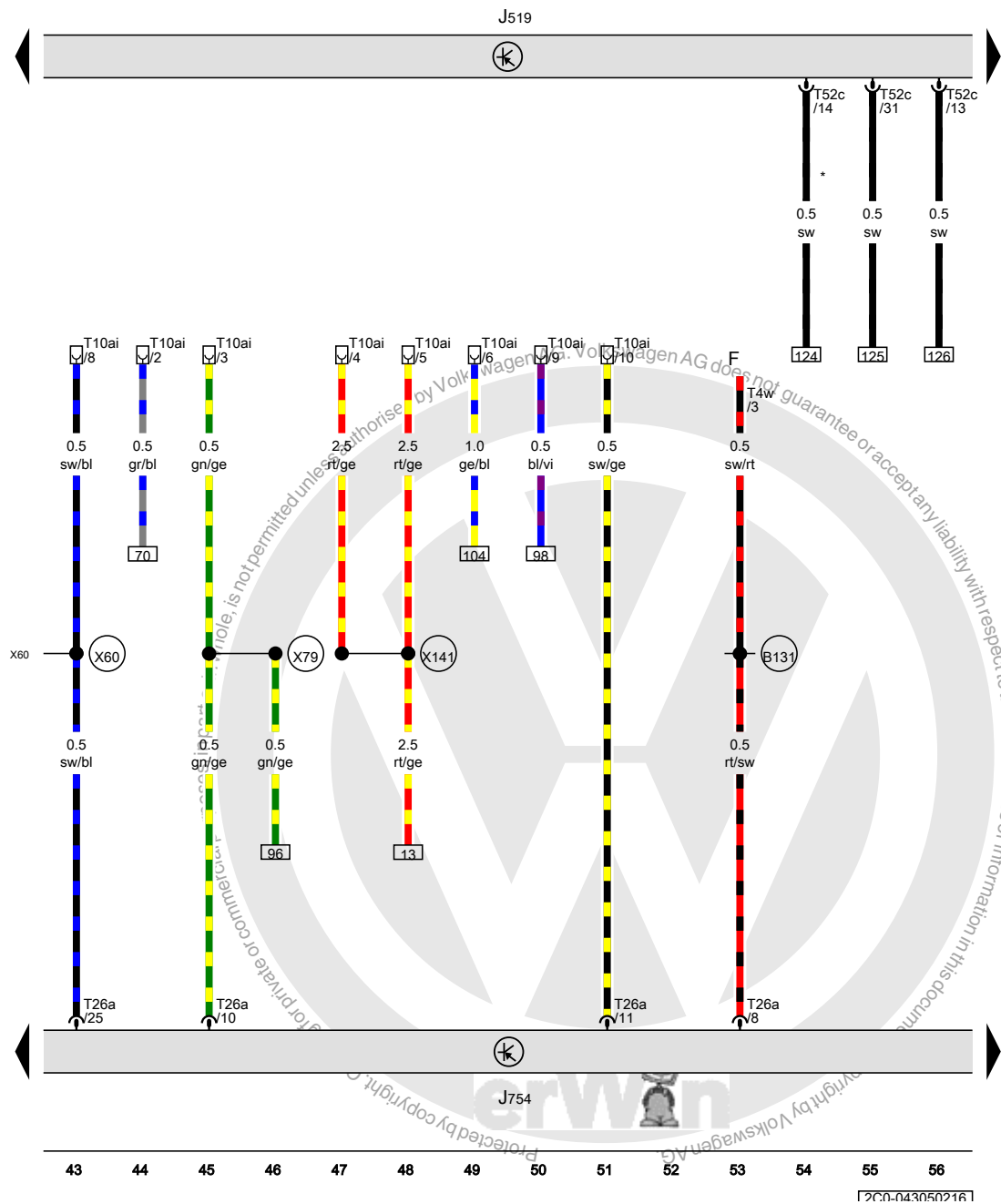
Accident data recorder button, Onboard supply control unit,
Accident data memory, Luggage compartment light,
Luggage compartment light on left

- E497 Accident data recorder button
- F5 Luggage compartment light switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- J754 Accident data memory
- K225 Accident recorder warning lamp
- L76 Button illumination bulb
- T3aa 3-pin connector
- T3br 3-pin connector
- T3g 3-pin connector
- T5g 5-pin connector, in rear left side panel, brown
- T5v 5-pin connector
- T26a 26-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- W3 Luggage compartment light
- W18 Luggage compartment light on left

- (367) Earth connection 2, in main wiring harness
- (B559) Positive connection 1 (30g), in main wiring harness
- (W22) Connection (door contact switch), in rear wiring harness
- (X60) Positive connection 2 (15a), in optional equipment wiring harness
- * Only models with rear lid
- *2 Only models with wing doors

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ro = red
rt = red
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bl = blue
gr = grey
li = purple
vi = purple
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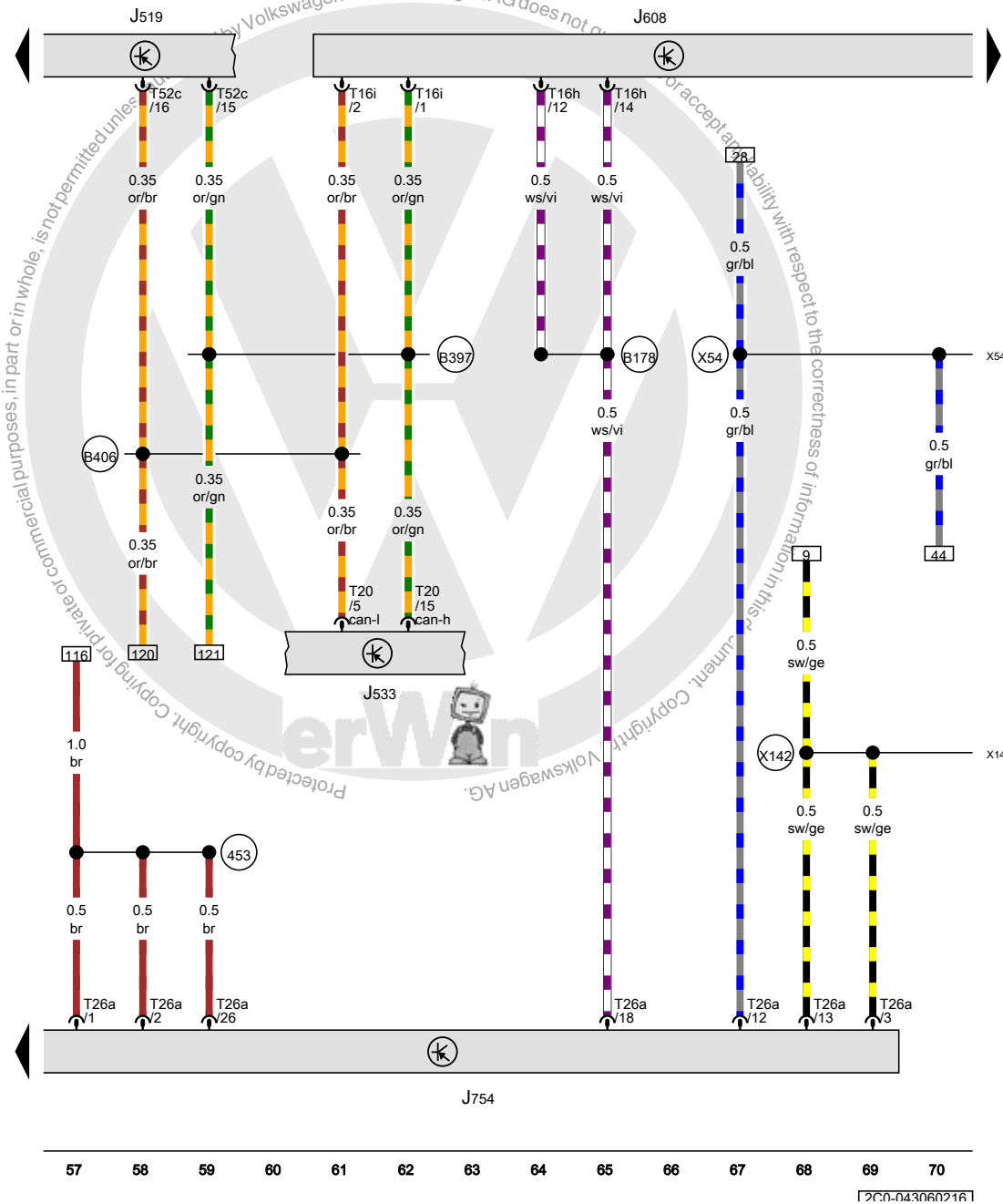




Onboard supply control unit, Accident data memory

- F Brake light switch
- J519 Onboard supply control unit
- J754 Accident data memory
- T4w 4-pin connector
- T10ai 10-pin connector, on right A-pillar
- T26a 26-pin connector
- T52c 52-pin connector

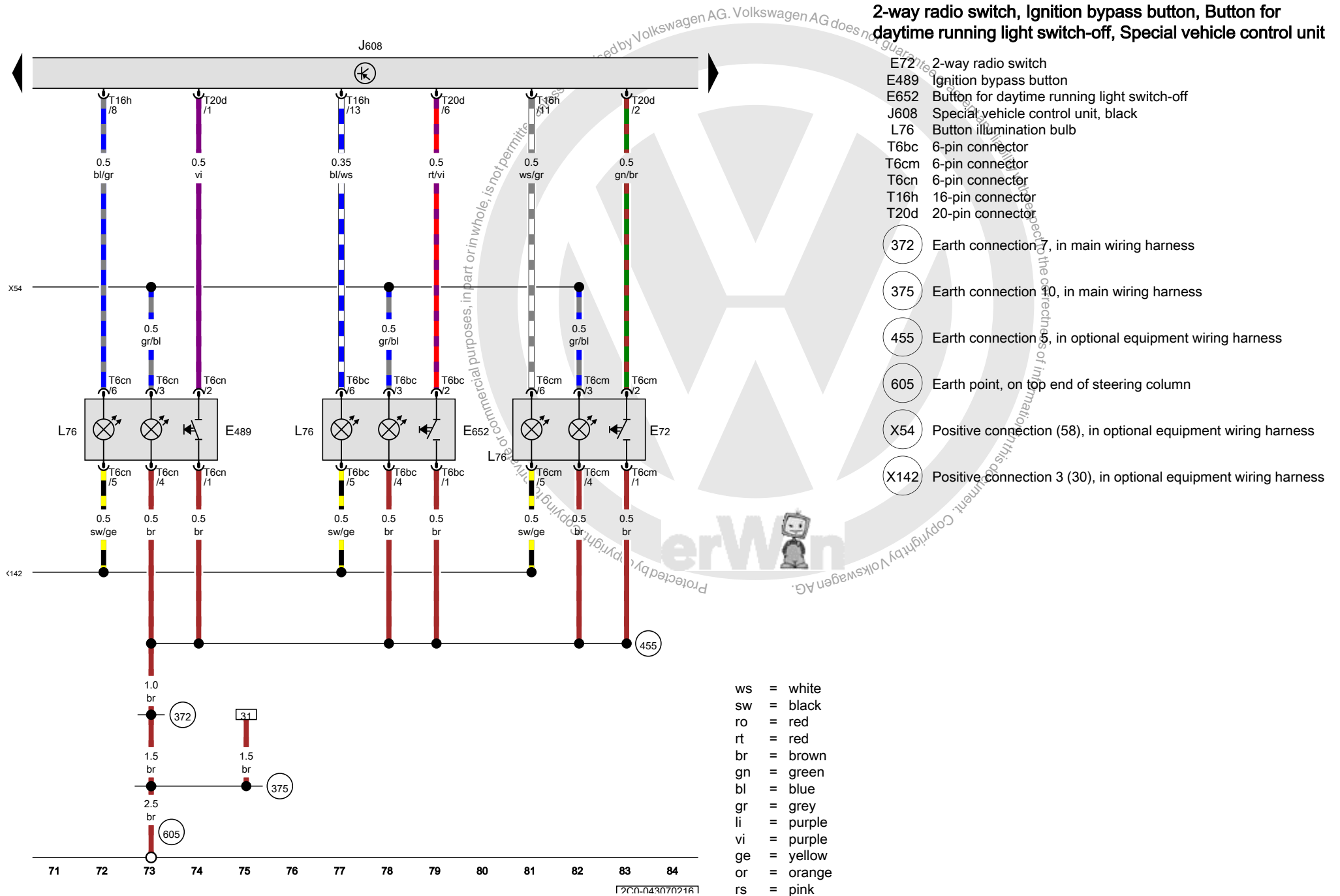
- B131 Connection (54), in interior wiring harness
- X60 Positive connection 2 (15a), in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness
- X141 Positive connection 4 (30a) in siren system wiring harness
- * Only models with start/stop system

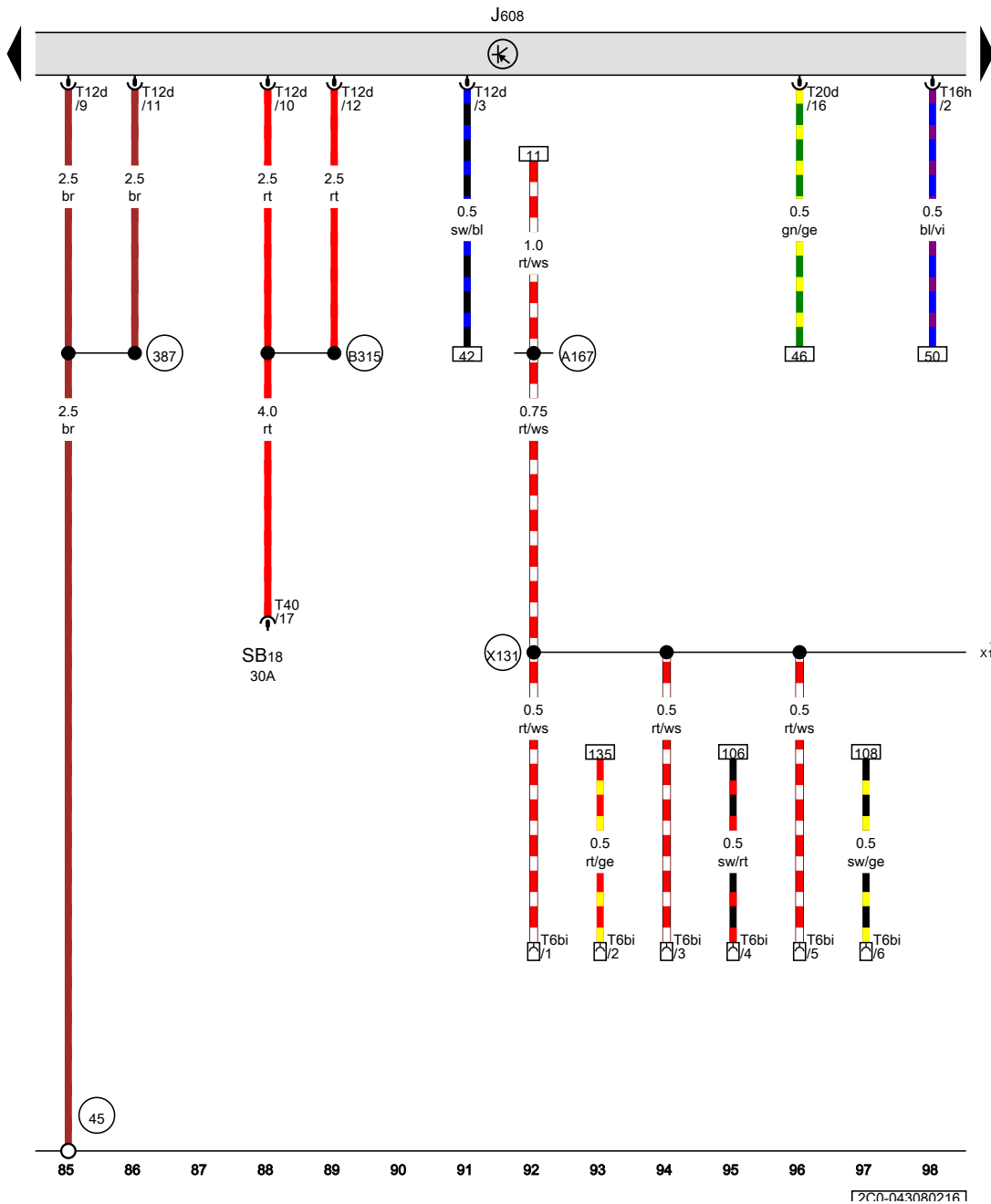


Onboard supply control unit, Data bus diagnostic interface, Special vehicle control unit, Accident data memory

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J608 Special vehicle control unit, black
- J754 Accident data memory
- T16h 16-pin connector
- T16i 16-pin connector
- T20 20-pin connector, red
- T26a 26-pin connector
- T52c 52-pin connector

- (453) Earth connection 3, in optional equipment wiring harness
- (B178) Connection (speed signal), 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
- (X54) Positive connection (58), in optional equipment wiring harness
- (X142) Positive connection 3 (30), in optional equipment wiring harness

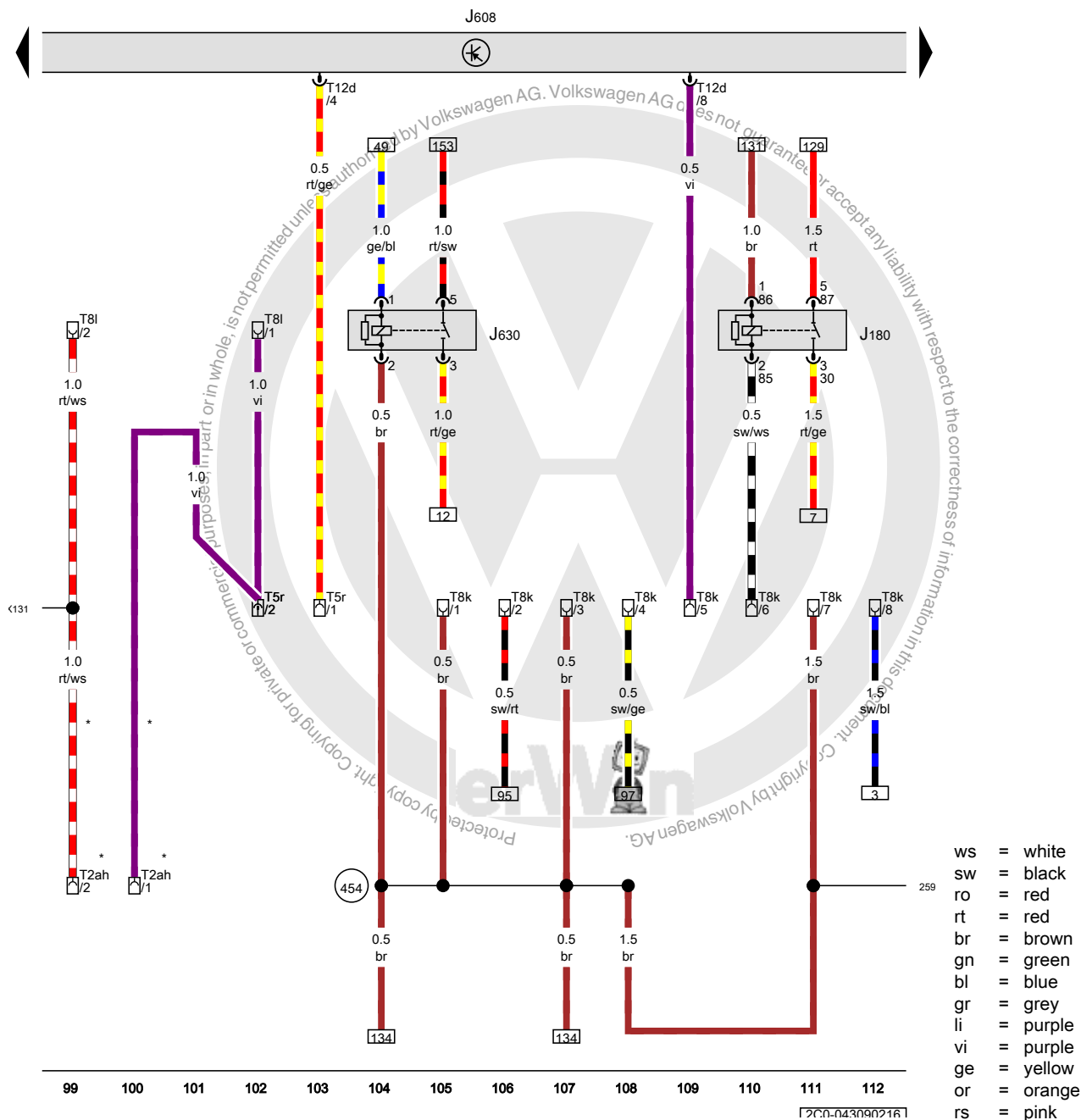




Special vehicle control unit

J608 Special vehicle control unit, black
 SB18 Fuse 18 on fuse holder B
 T6bi 6-pin connector, in centre console
 T12d 12-pin connector
 T16h 16-pin connector
 T20d 20-pin connector
 T40 40-pin connector

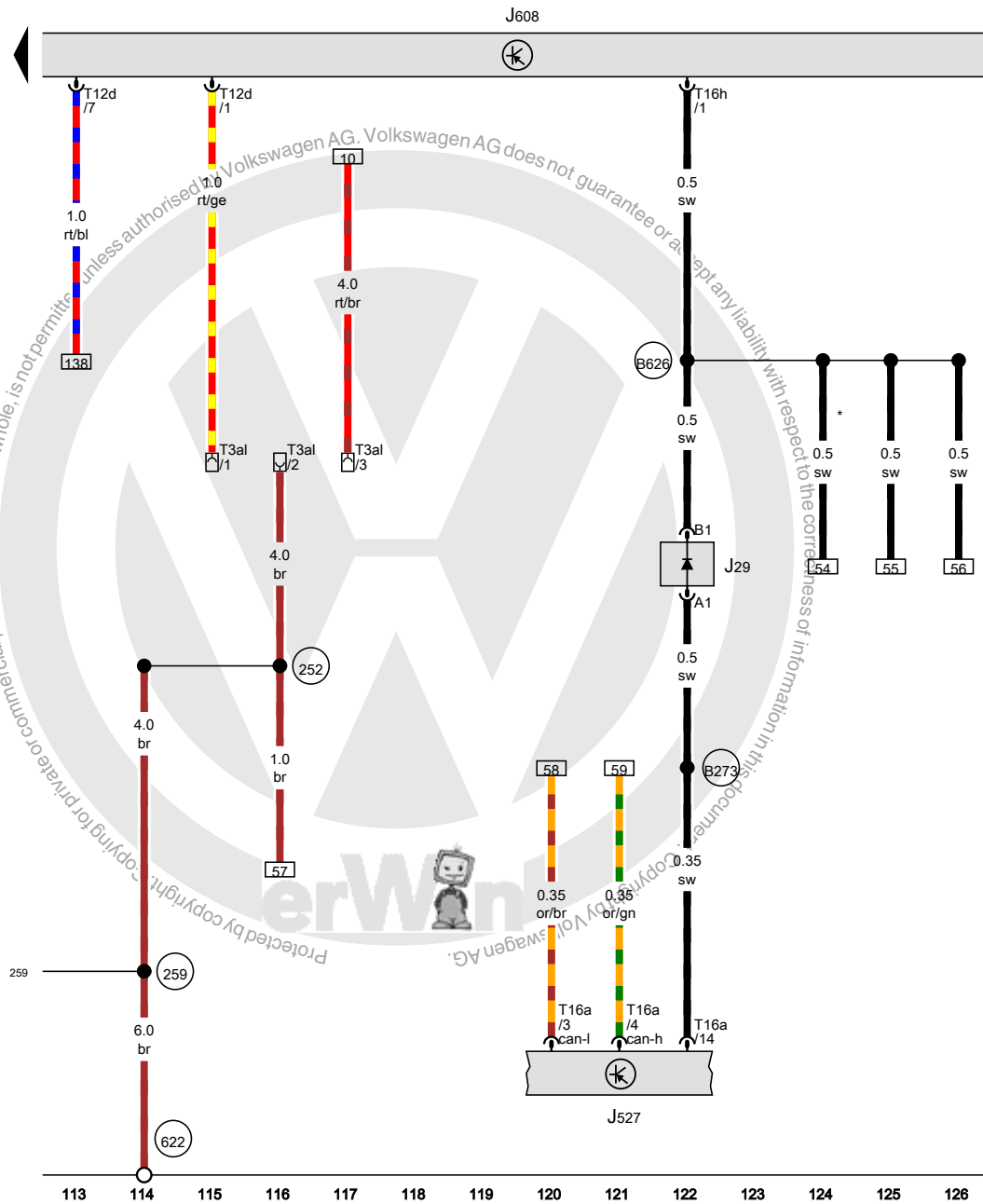
- 45 Earth point, centre behind dash panel
- 387 Earth connection 22, in main wiring harness
- A167 Positive connection 3 (30a) in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- X131 Connection 4, in optional equipment wiring harness



Switch-over relay 1 for roof ventilator, Special vehicle control unit, Flashing lights relay

- J180 Switch-over relay 1 for roof ventilator, near lower part of left A-pillar, wound into wiring harness
- J608 Special vehicle control unit, black
- J630 Flashing lights relay, on relay carrier under dash panel, driver side
- T2ah 2-pin connector, Coupling point for rear lid
- T5r 5-pin connector, in left D-pillar, light pink
- T8k 8-pin connector, near interior light
- T8l 8-pin connector, Coupling point for rear lid
- T12d 12-pin connector

- 259 Earth connection 2, in optional equipment wiring harness
- 454 Earth connection 4, in optional equipment wiring harness
- X131 Connection 4, in optional equipment wiring harness
- * Only Caddy Maxi



**Blocking diode, Steering column electronics control unit,
Special vehicle control unit**

- J29 Blocking diode
- J527 Steering column electronics control unit
- J608 Special vehicle control unit, black
- T3al 3-pin connector, Coupling point for 2-way radio
- T12d 12-pin connector
- T16a 16-pin connector
- T16h 16-pin connector

- 252 Earth connection, in optional equipment wiring harness
- 259 Earth connection 2, in optional equipment wiring harness
- 622 Earth point 1, earth plate
- B273 Positive connection (15), in main wiring harness
- B626 Positive connection 2 (15), in main wiring harness

* Only models with start/stop system

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120 121 122 123 124 125 126

8-pin connector

T8m 8-pin connector, on right C-pillar

T8n 8-pin connector, on left C-pillar

602 Earth point, in front left footwell

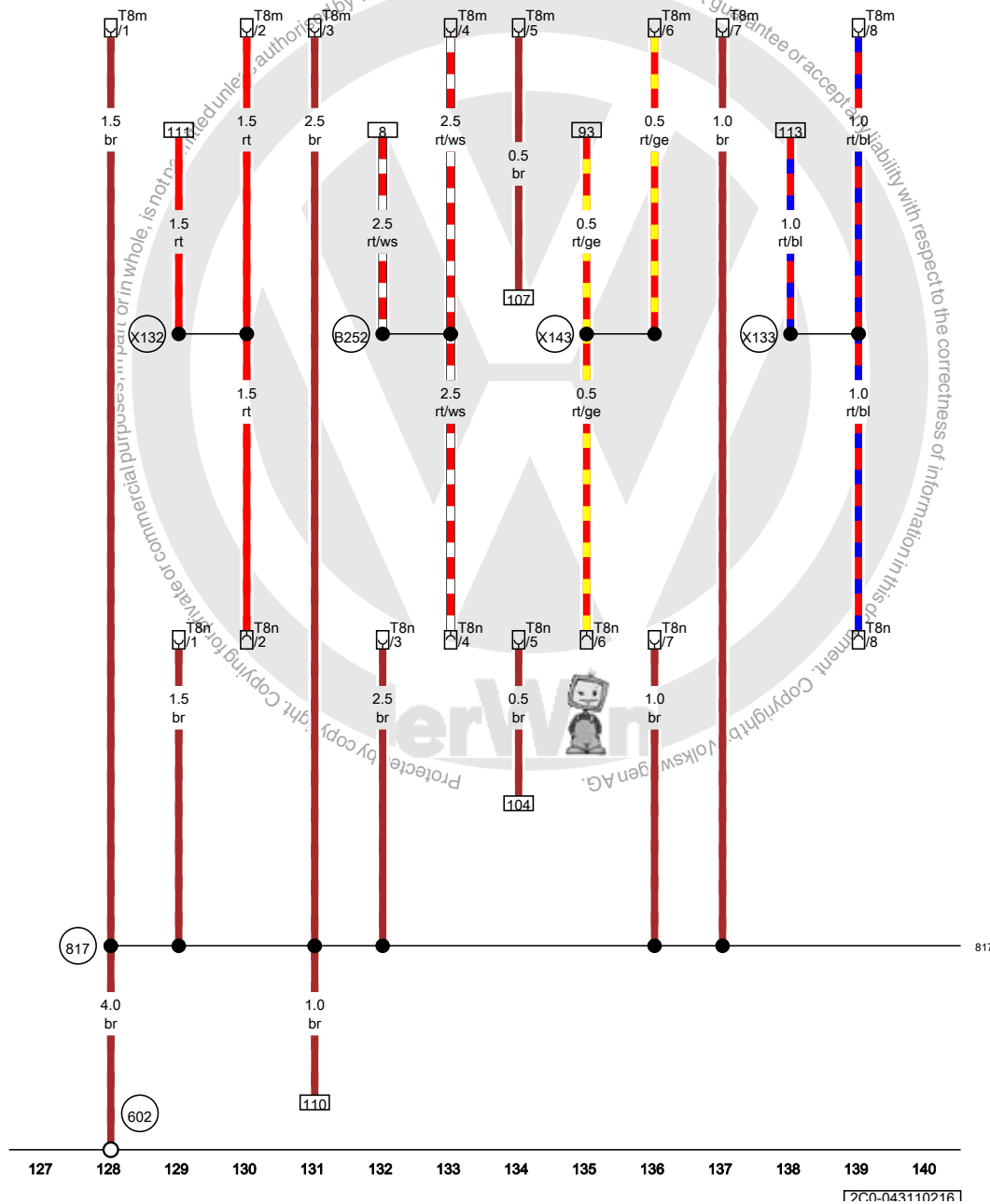
817 Earth connection 7, in optional equipment wiring harness

B252 Positive connection (30, police), in interior wiring harness

X132 Connection 5, in optional equipment wiring harness

X133 Connection 6, in optional equipment wiring harness

X143 Positive connection 4 (30), in optional equipment wiring harness

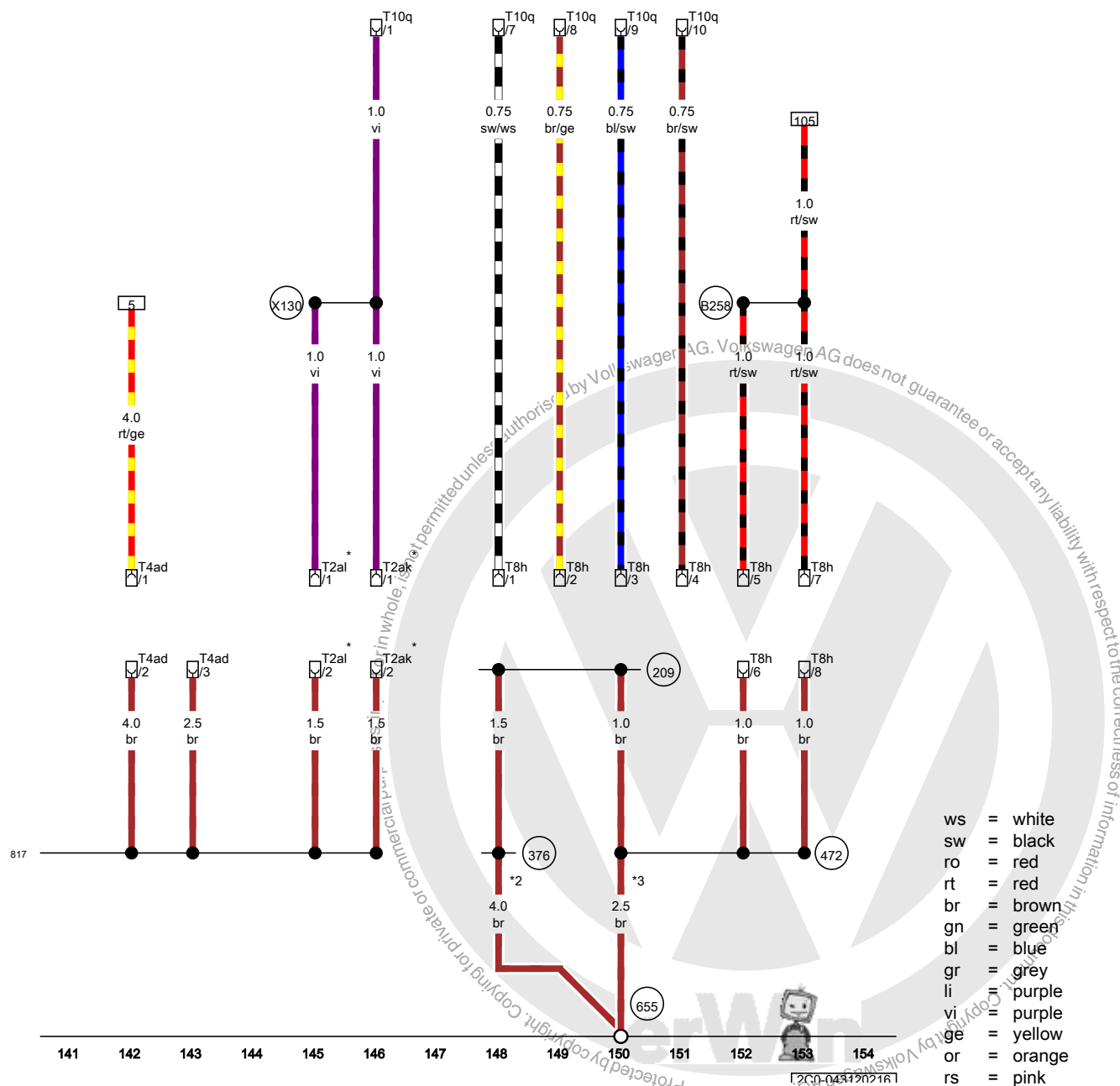


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2-pin connector, 4-pin connector, 10-pin connector

- T2ak 2-pin connector, on right B-pillar
- T2al 2-pin connector, on left B-pillar
- T4ad 4-pin connector, behind radio
- T8h 8-pin connector, on left in engine compartment under battery
- T10q 10-pin connector, on right A-pillar

- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 472 Earth connection 6, in optional equipment wiring harness
- 655 Earth point, on left headlight
- 817 Earth connection 7, in optional equipment wiring harness
- B258 Positive connection 3 (87, police), in interior wiring harness
- X130 Connection 3, in optional equipment wiring harness
- * Connection 1 for special signal system
- *2 Up to April 2012
- *3 From May 2012

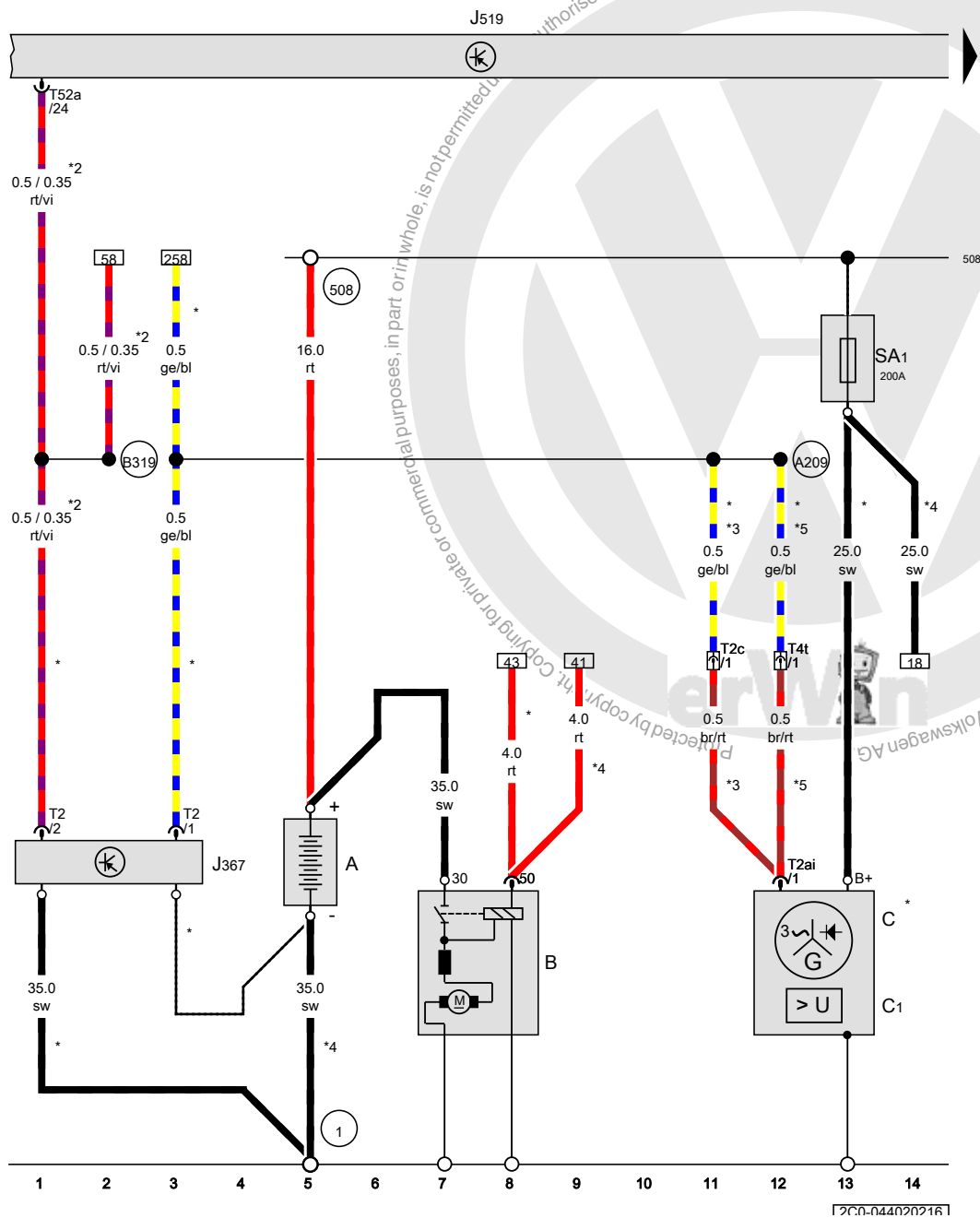


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1.6l diesel engine , CAYD, CAYE

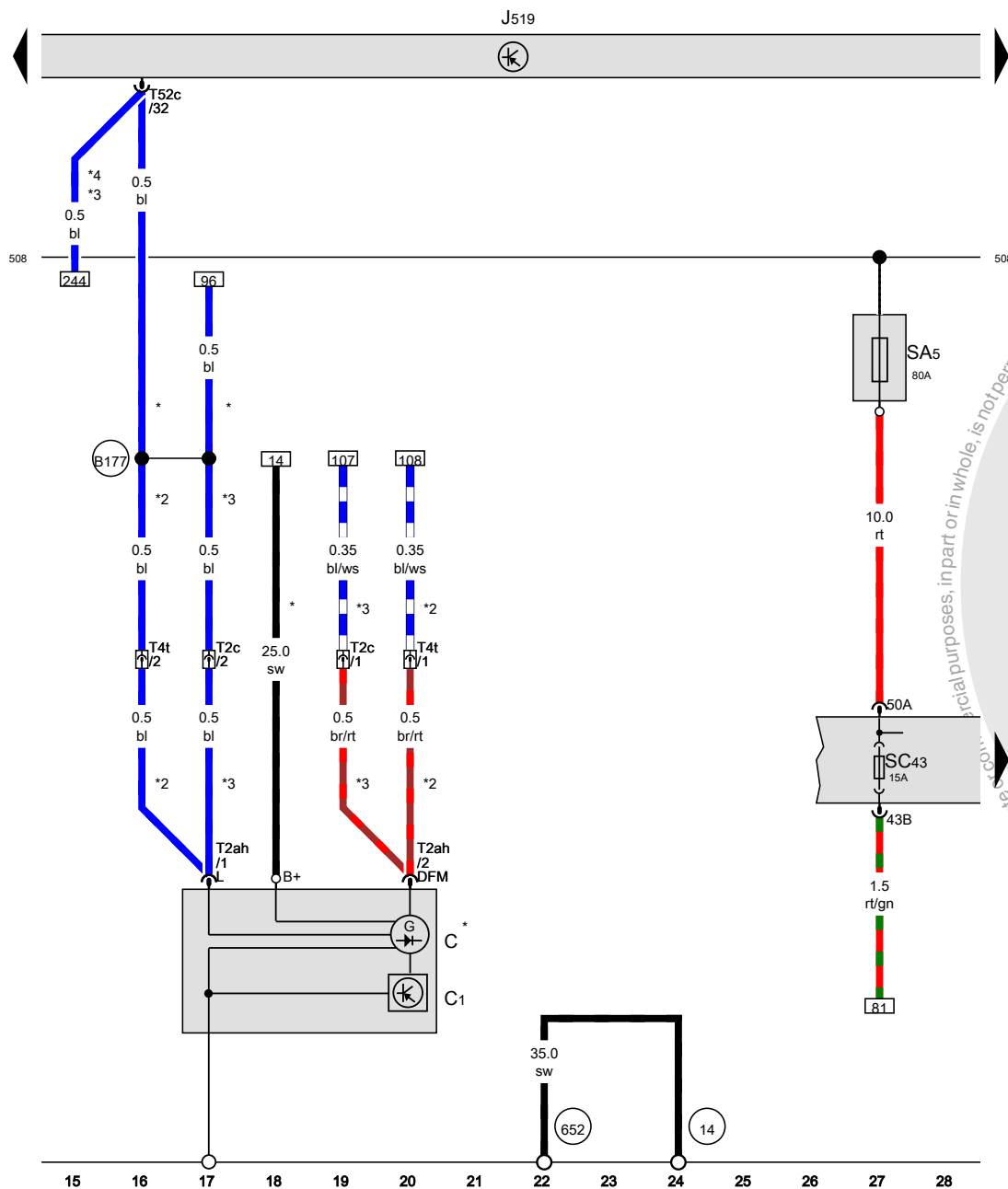
From November 2011





Battery, Starter, Alternator, Battery monitor control unit, Onboard supply control unit, Fuse 1 in fuse holder A

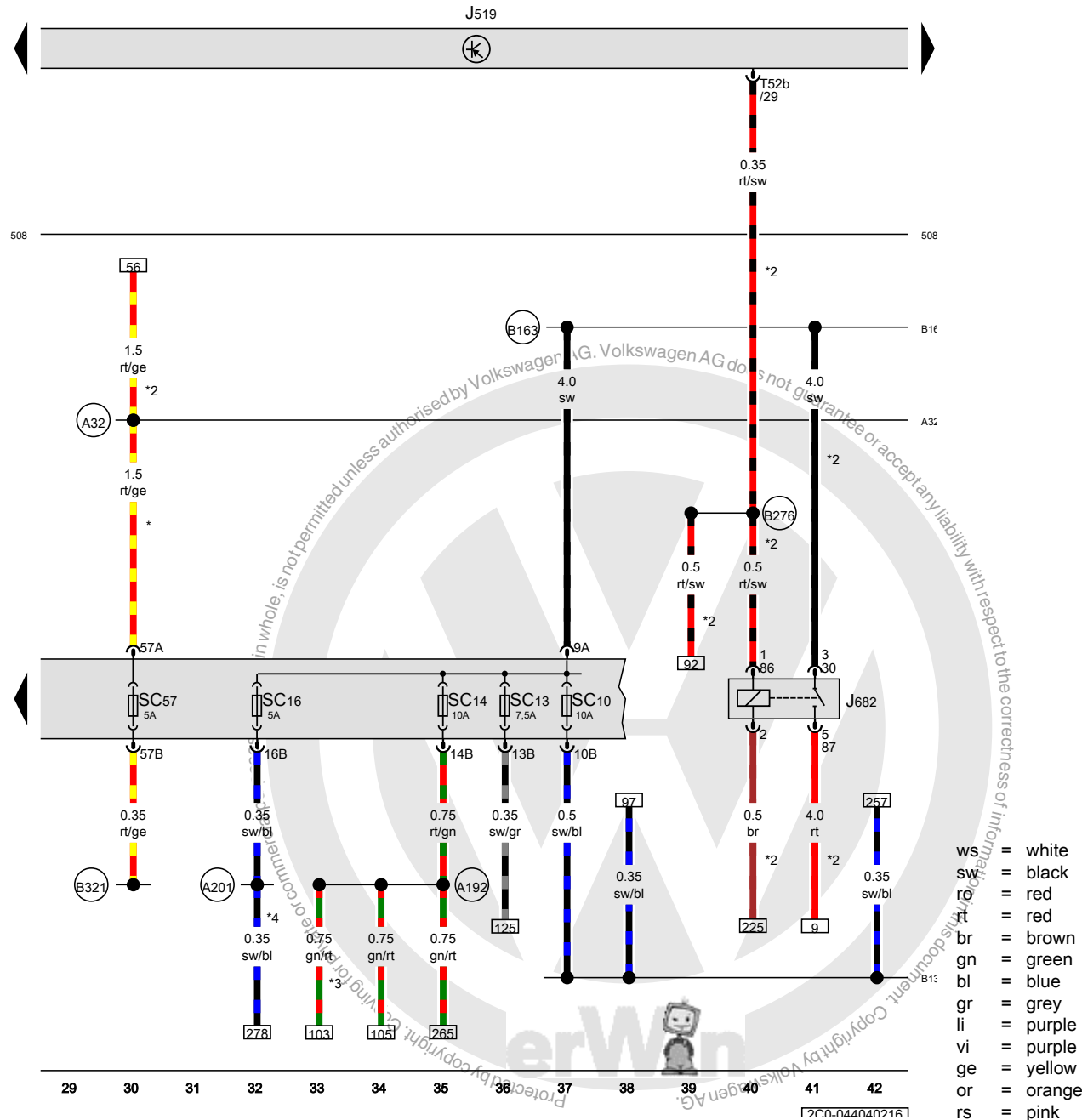
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2 2-pin connector
- T2ai 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52a 52-pin connector, black
- 1 Earth strap, battery - body
- 508 Threaded connection (30) on E-box
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only models with start/stop system
- *2 Only right-hand drive models
- *3 Only models with no air conditioning system
- *4 Only models with no start/stop system
- *5 Only models with air conditioning system



Alternator, Onboard supply control unit, Fuse 5 in fuse holder A, Fuse 43 on fuse holder C

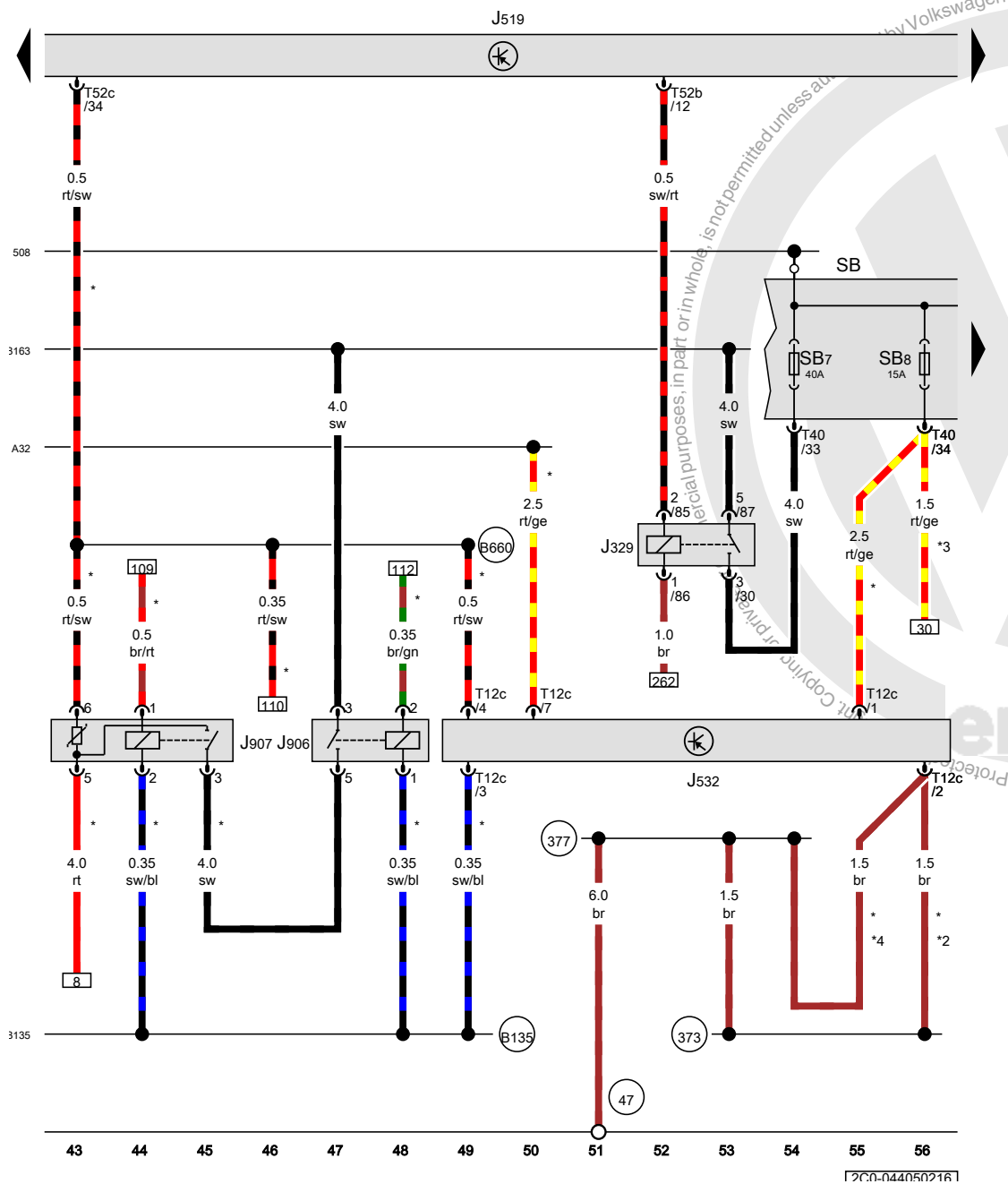
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with no start/stop system
- *2 Only models with air conditioning system
- *3 Only models with no air conditioning system
- *4 Only models with start/stop system

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Onboard supply control unit, Terminal 50 voltage supply relay, Fuse 10 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C, Fuse 57 on fuse holder C

- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T52b 52-pin connector, white
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- * Only models with start/stop system
- *2 Only models with no start/stop system
- *3 Only models with crankcase breather heater element
- *4 Only models with flexible service interval display



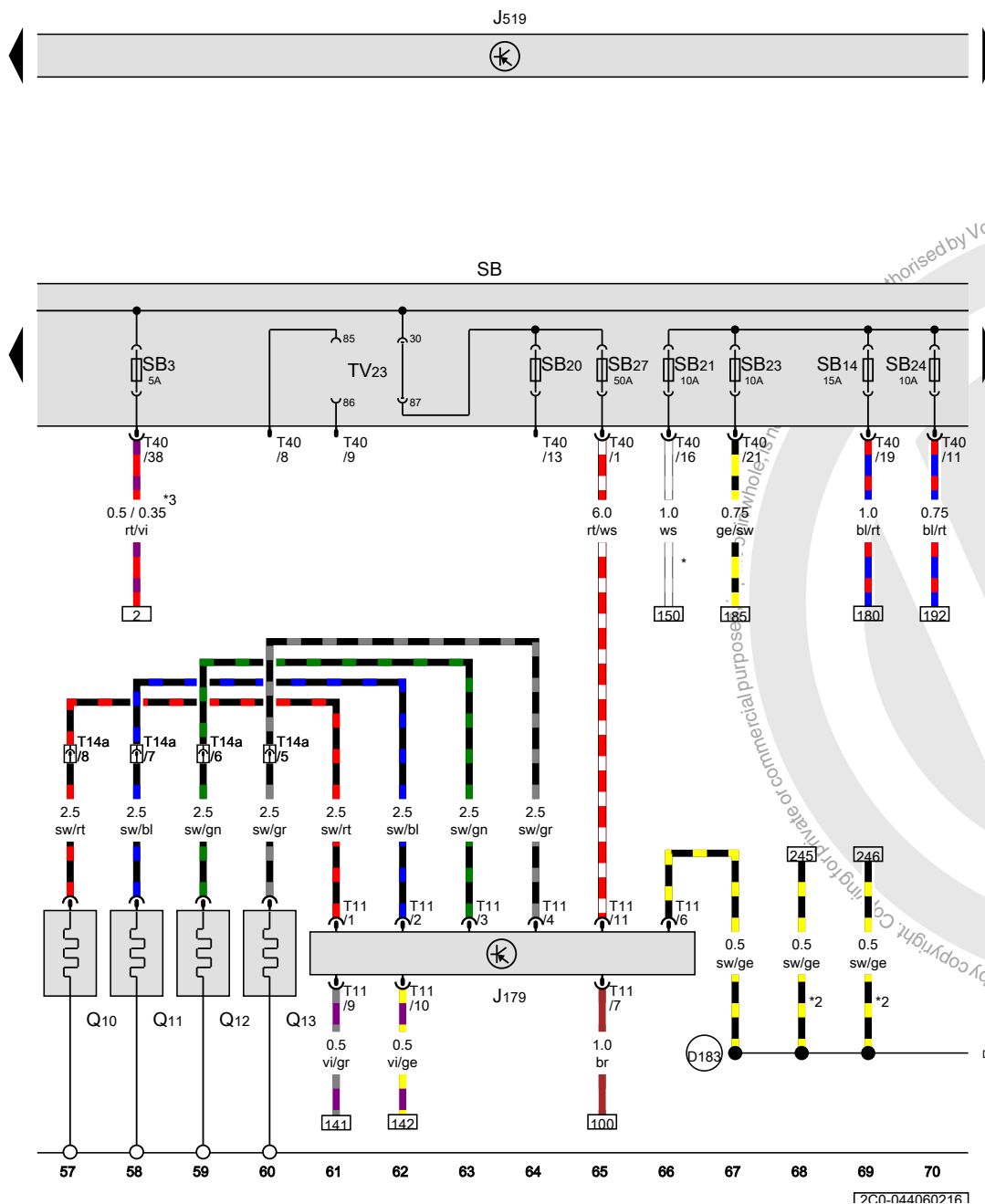
Terminal 15 voltage supply relay, Onboard supply control unit, Voltage stabiliser, Starter relay 1, Starter relay 2, Fuse holder B

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J906 Starter relay 1
- J907 Starter relay 2
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- T12c 12-pin connector, black
- T40 40-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- 47 Earth point, in front right footwell
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B660 Connection (diagnosis terminal 50), in main wiring harness

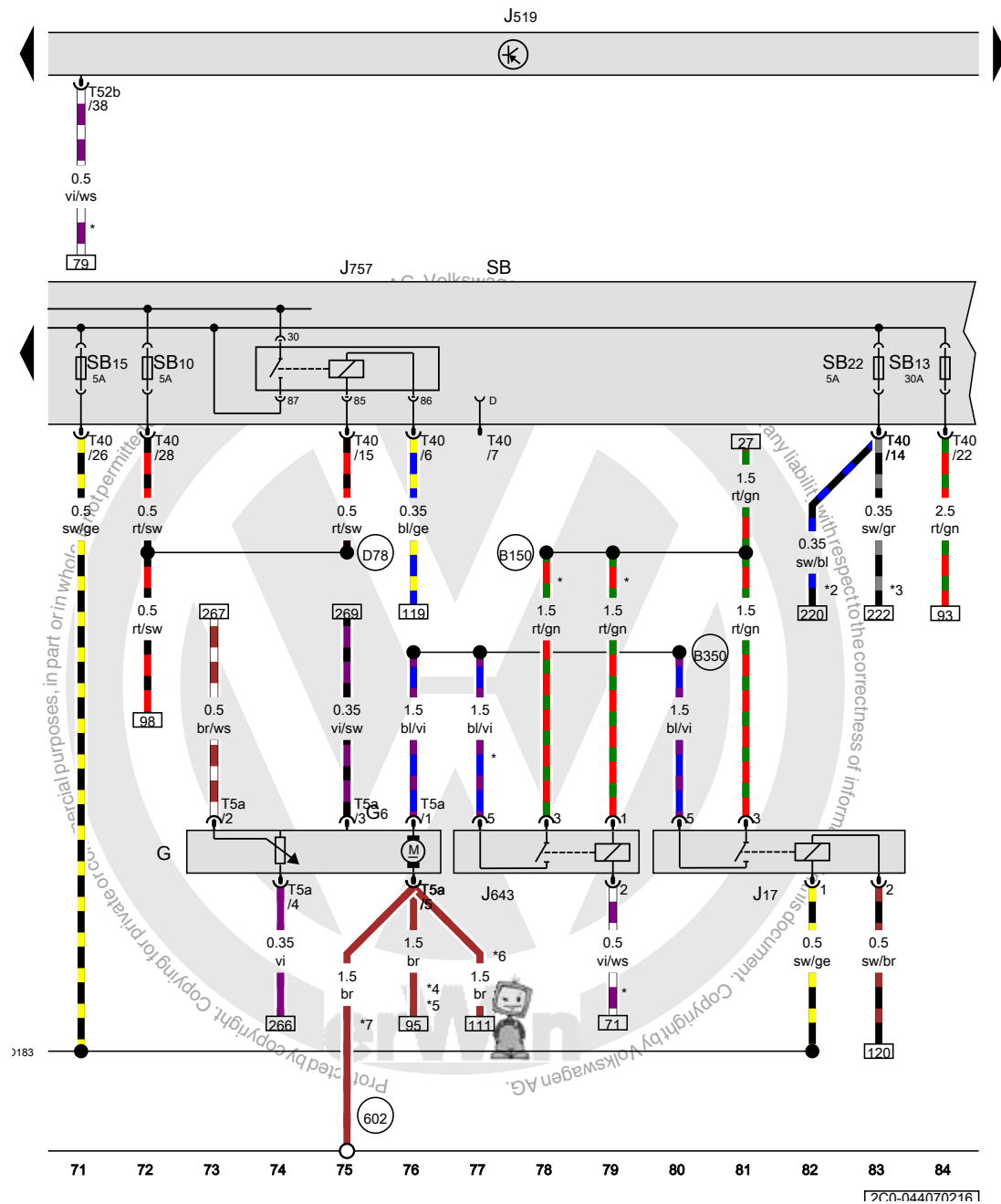
- * Only models with start/stop system
- *2 Only left-hand drive models
- *3 Only models with no start/stop system
- *4 Only right-hand drive models

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Automatic glow period control unit, Onboard supply control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4, Fuse holder B, Push-in bridge



- J179 Automatic glow period control unit, on left under E-box
- J519 Onboard supply control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T11 11-pin connector
- T14a 14-pin connector, near left headlight, black
- TV23 Push-in bridge
- T40 40-pin connector, black
- D183 Connection 4 (87a), in engine compartment wiring harness
- * Not for models with Euro 3 emission standard
- *2 Only models with auxiliary air heater
- *3 Only right-hand drive models



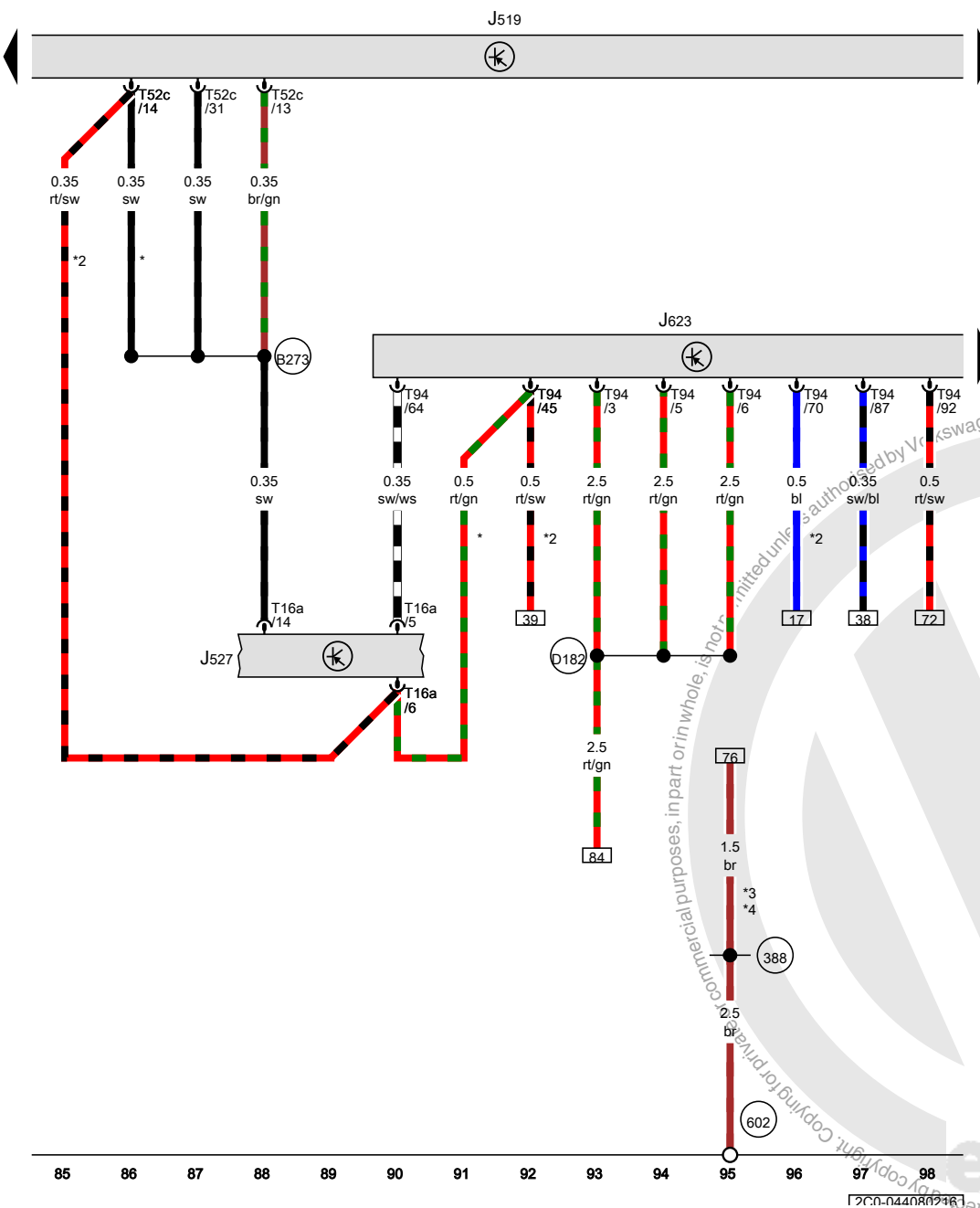
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay, Engine component current supply relay, Fuse holder B

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- T5a 5-pin connector, black
- T40 40-pin connector, black
- T52b 52-pin connector, white

- 602 Earth point, in front left footwell
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D183 Connection 4 (87a), in engine compartment wiring harness
- * Only models with auxiliary heating
- *2 Only models with manual gearbox
- *3 Only models with dual clutch gearbox (DSG)
- *4 From May 2012
- *5 Up to October 2012
- *6 Up to April 2012
- *7 From November 2012

Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
 J527 Steering column electronics control unit
 J623 Engine control unit, central in plenum chamber
 T16a 16-pin connector
 T52c 52-pin connector, brown
 T94 94-pin connector
 388 Earth connection 23, in main wiring harness
 602 Earth point, in front left footwell
 B273 Positive connection (15), in main wiring harness
 D182 Connection 3 (87a), in engine compartment wiring harness
 * Only models with start/stop system
 *2 Only models with no start/stop system
 *3 From May 2012
 *4 Up to October 2012



Air mass meter, Onboard supply control unit, Engine control unit, Heater element for crankcase breather

- G70 Air mass meter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- T3ag 3-pin connector, black
- T94 94-pin connector

131 Earth connection 2, in engine compartment wiring harness

382 Earth connection 17, in main wiring harness

383 Earth connection 18, in main wiring harness

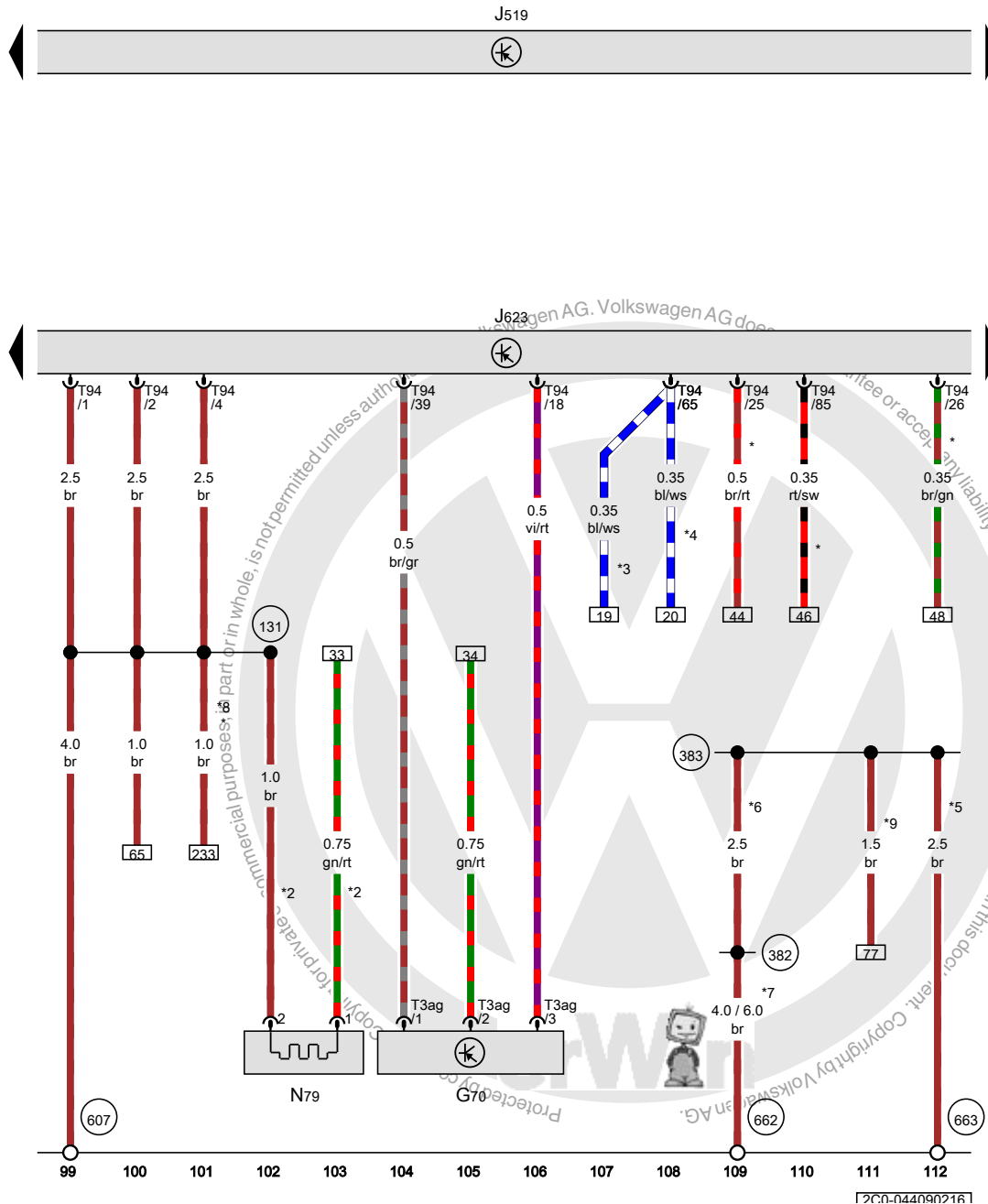
607 Earth point, on left in plenum chamber

662 Earth point, rear left side panel

663 Earth point, rear right side panel

- * Only models with start/stop system
- *2 Only models with crankcase breather heater element
- *3 Only models with no air conditioning system
- *4 Only models with air conditioning system
- *5 Optional equipment
- *6 Only models with basic equipment
- *7 According to equipment
- *8 Only models with manual gearbox
- *9 Up to April 2012

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gn = green
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gr = grey
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vi = purple
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or = orange
rs = pink

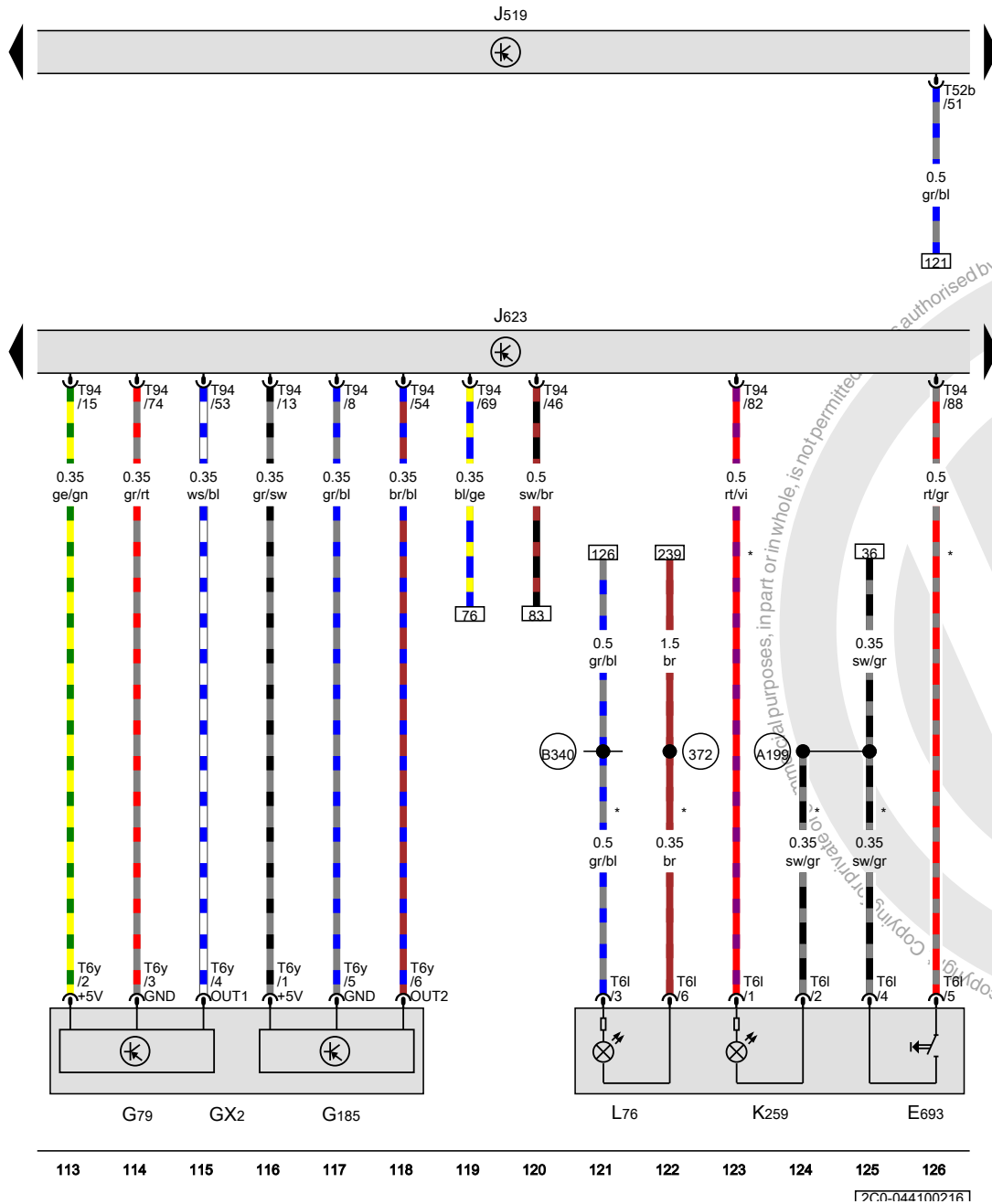


Start/Stop operation button, Accelerator pedal module,
Onboard supply control unit, Engine control unit

- E693 Start/Stop operation button
- GX2 Accelerator pedal module
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- K259 Start/Stop operation warning lamp
- L76 Button illumination bulb
- T6l 6-pin connector, blue
- T6y 6-pin connector, black
- T52b 52-pin connector, white
- T94 94-pin connector

- 372 Earth connection 7, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- * Only models with start/stop system

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- rs = pink



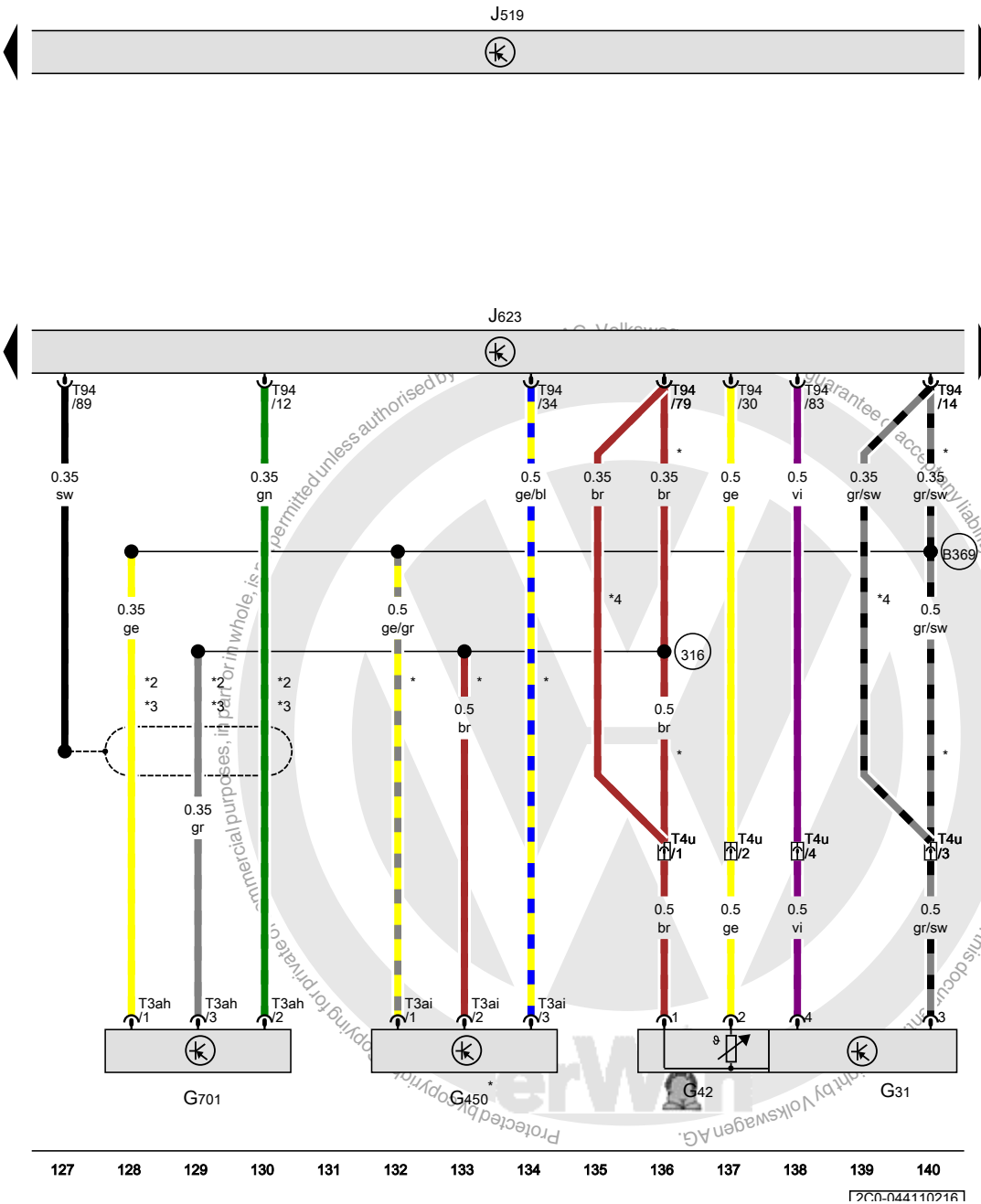
Charge pressure sender, Intake air temperature sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Onboard supply control unit, Engine control unit

- G31 Charge pressure sender
- G42 Intake air temperature sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ah 3-pin connector, brown
- T3ai 3-pin connector
- T4u 4-pin connector, front left in engine compartment
- T94 94-pin connector

316 Earth connection (sender earth 2) in engine wiring harness

B369 Connection 1 (5V), in main wiring harness

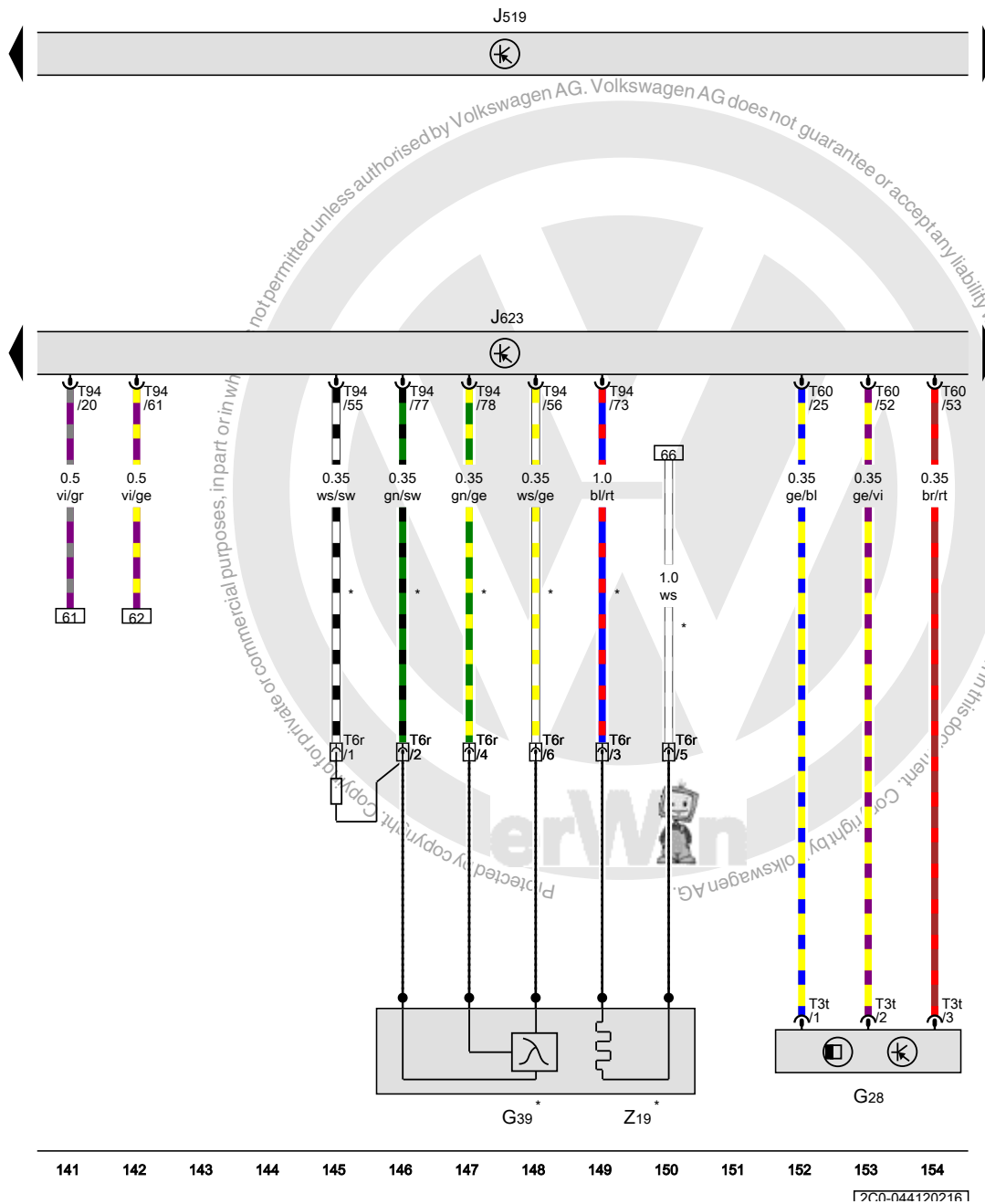
- * Not for models with Euro 3 emission standard
- *2 Only models with manual gearbox
- *3 Only models with start/stop system
- *4 Only models with Euro 3 emission standard

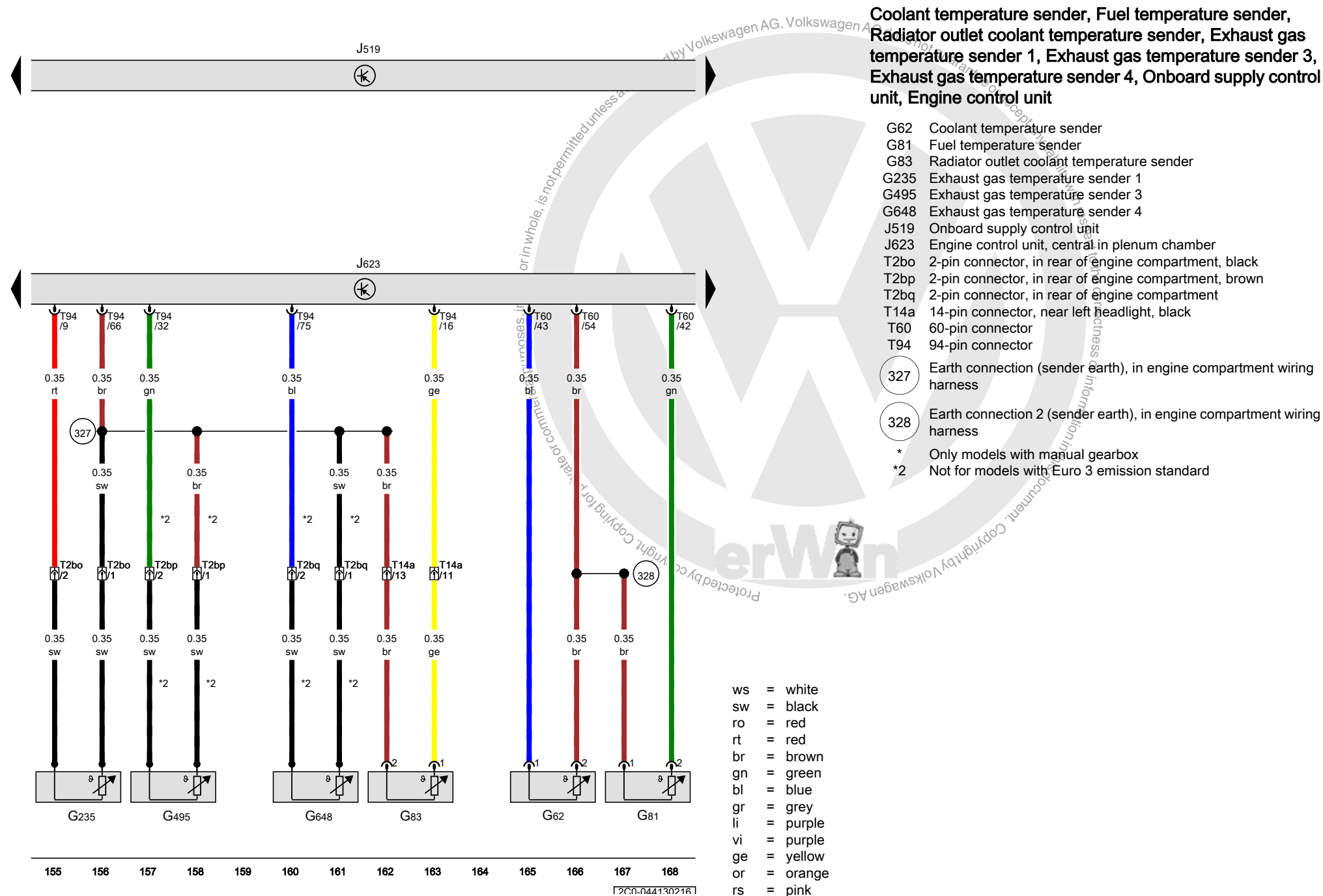


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Engine speed sender, Lambda probe, Onboard supply control unit, Engine control unit

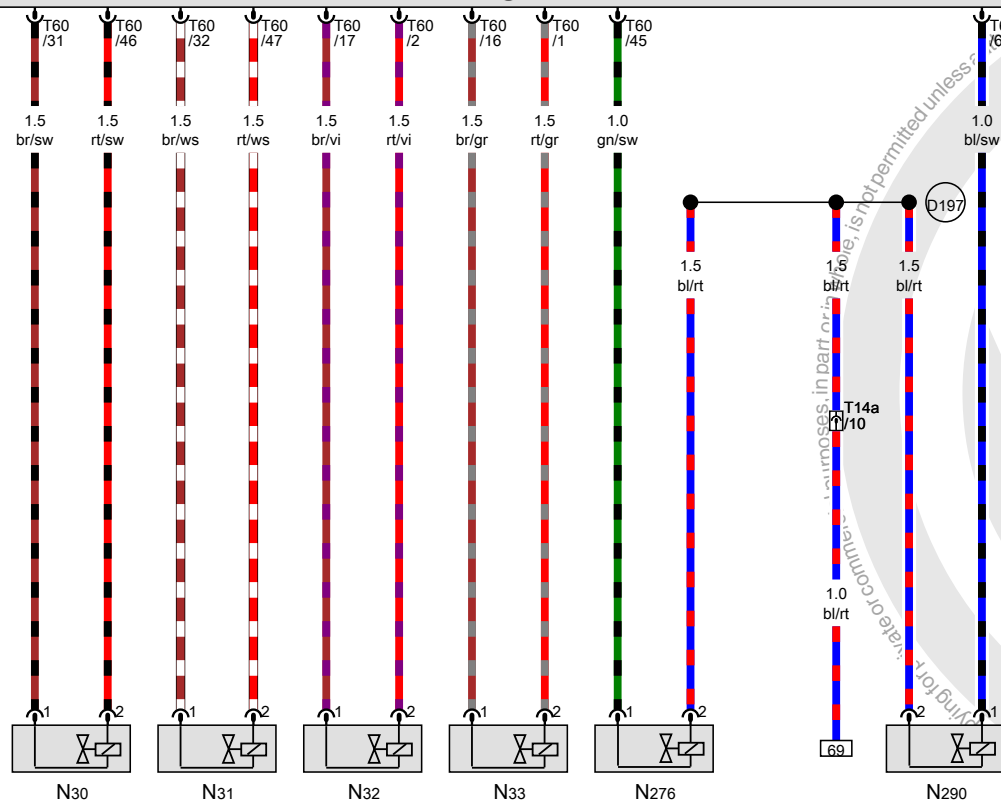
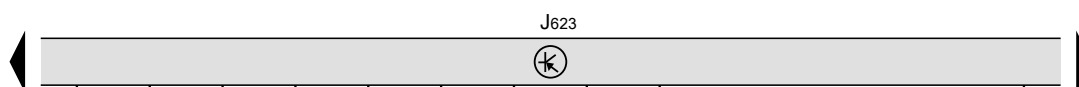
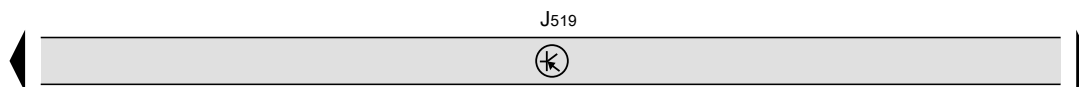
- G28 Engine speed sender
- G39 Lambda probe
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3t 3-pin connector, black
- T6r 6-pin connector, in rear of engine compartment, black
- T60 60-pin connector
- T94 94-pin connector
- Z19 Lambda probe heater
- * Not for models with Euro 3 emission standard





Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Fuel pressure regulating valve, Fuel metering valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- D197 Connection 5 (87a), in engine compartment wiring harness



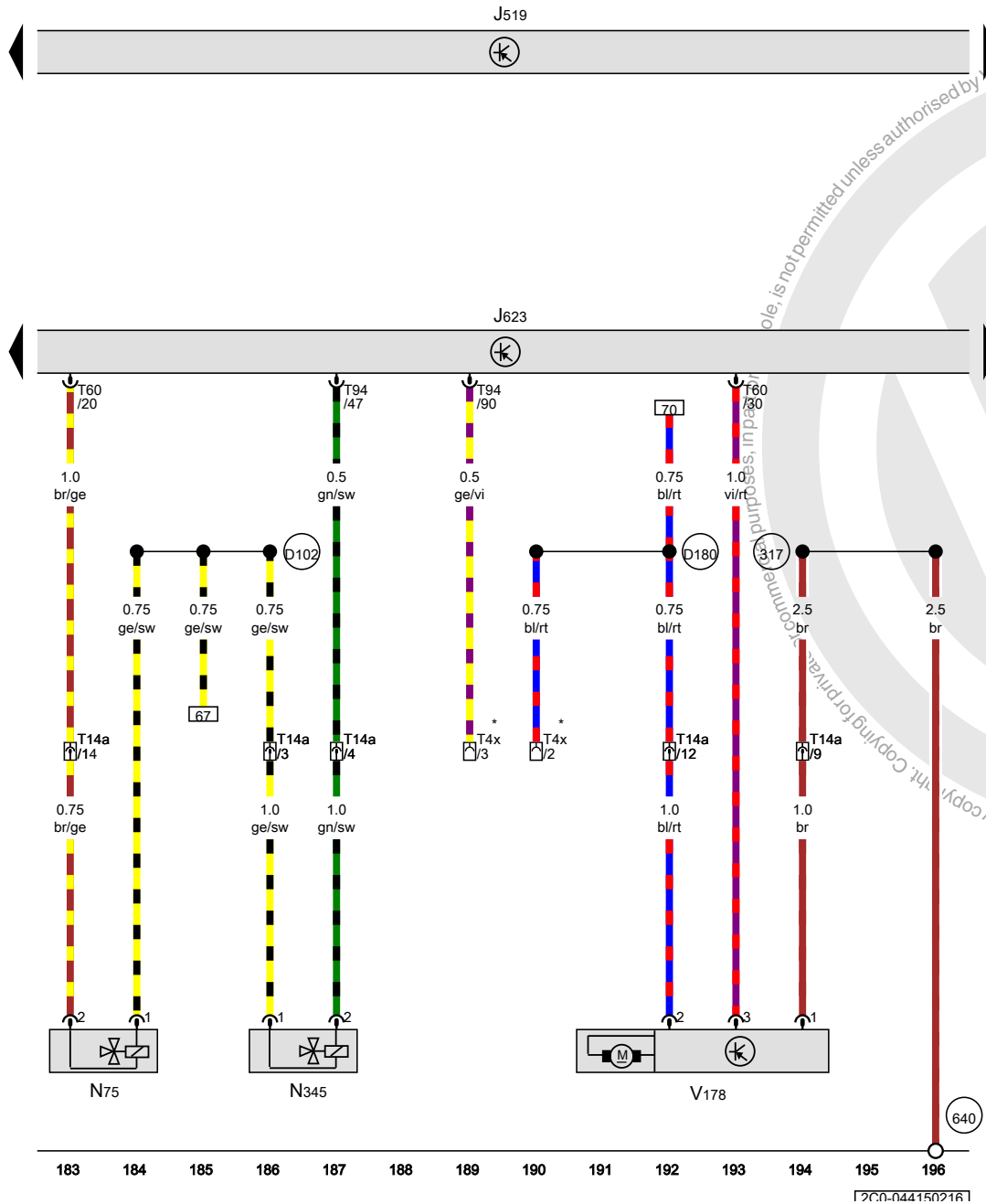
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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

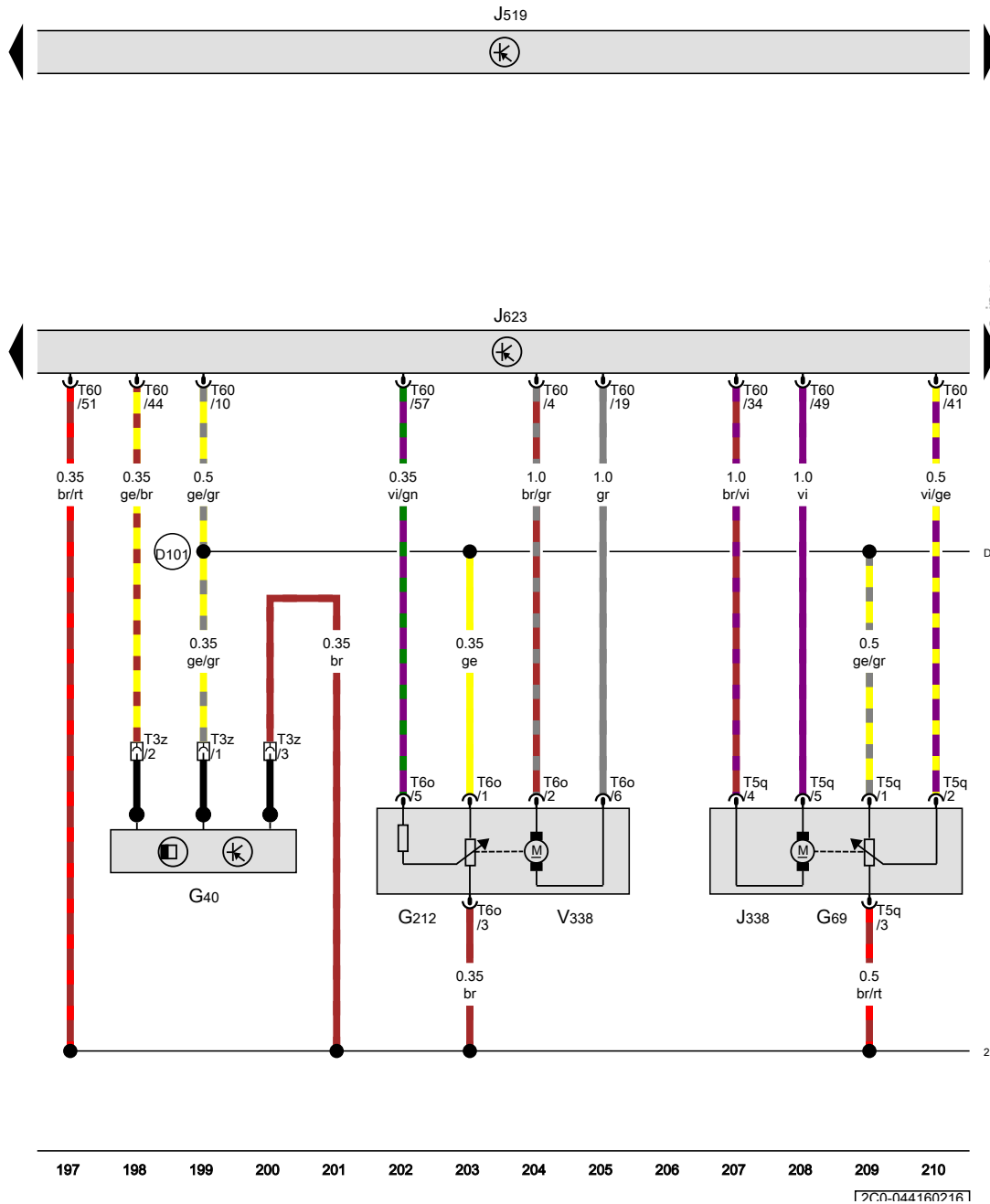
170-044140216

Onboard supply control unit, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump 2

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- T4x 4-pin connector, on radiator fan, bottom left, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- V178 Coolant circulation pump 2
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D102 Connection 2 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- * Radiator fan connection



- 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



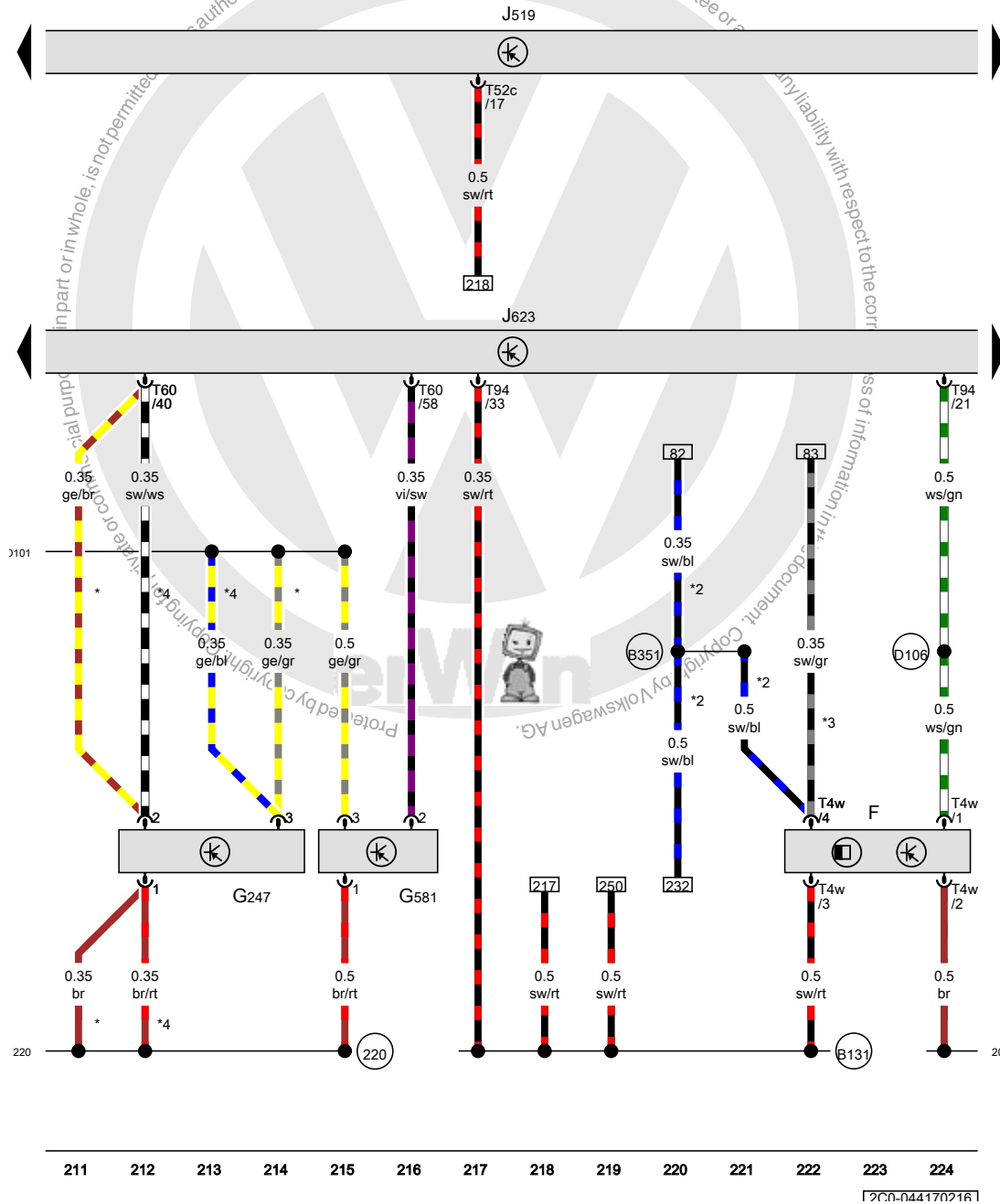
Hall sender, Throttle valve potentiometer, Exhaust gas recirculation potentiometer, Throttle valve module, Onboard supply control unit, Engine control unit, Exhaust gas recirculation control motor

- G40 Hall sender
- G69 Throttle valve potentiometer
- G212 Exhaust gas recirculation potentiometer
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3z 3-pin connector, on front of engine, black
- T5q 5-pin connector, black
- T6o 6-pin connector, grey
- T60 60-pin connector
- V338 Exhaust gas recirculation control motor

220 Earth connection (sender earth), in engine wiring harness

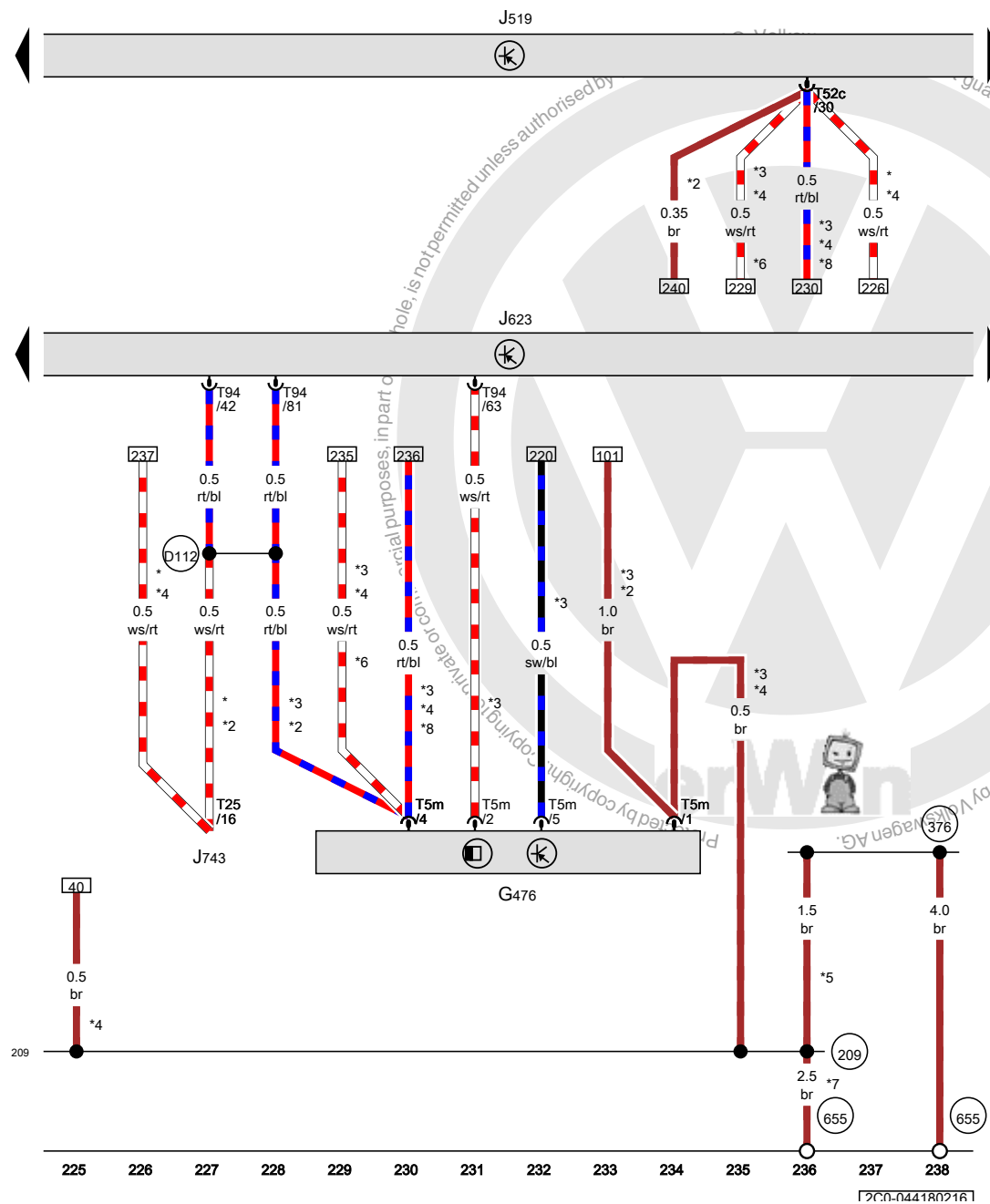
D101 Connection 1 in engine compartment wiring harness

- 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



Brake light switch, Fuel pressure sender, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit

- F Brake light switch
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T52c 52-pin connector, brown
- T60 60-pin connector
- T94 94-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D101 Connection 1 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Up to July 2011
- *2 Only models with manual gearbox
- *3 Only models with dual clutch gearbox (DSG)
- *4 From August 2011



Clutch position sender, Onboard supply control unit, Engine control unit

- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- J743 Mechatronic unit for dual clutch gearbox
- T5m 5-pin connector, black
- T25 25-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- D112 Connection 10 in engine compartment wiring harness

- * Only models with dual clutch gearbox 0AM
- *2 Only models with start/stop system
- *3 Only models with manual gearbox
- *4 Only models with no start/stop system
- *5 Up to April 2012
- *6 Only left-hand drive models
- *7 From May 2012
- *8 Only right-hand drive models

- 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

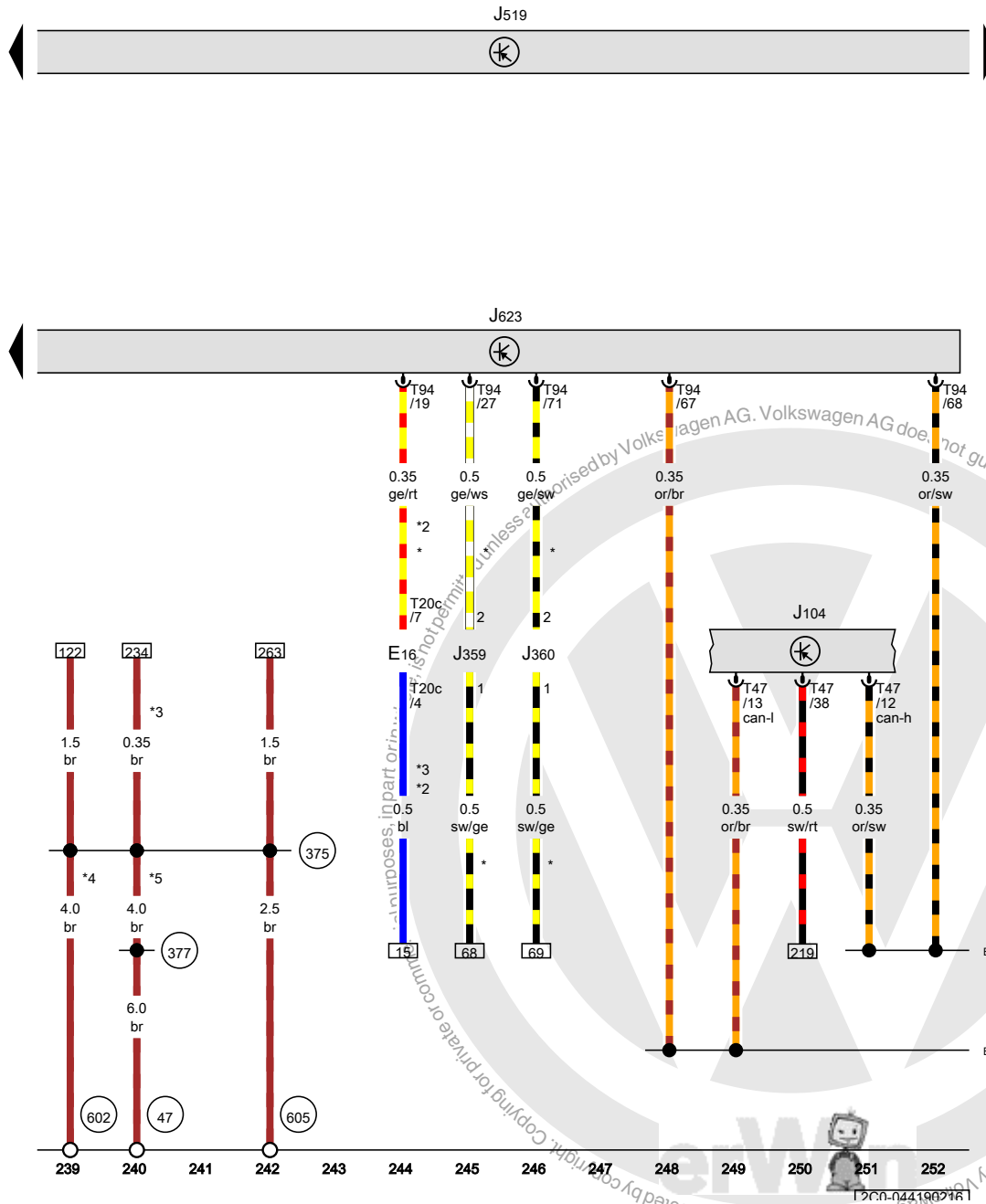
Onboard supply control unit, Engine control unit

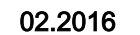
- E16 Heater/heat output switch
- J104 ABS control unit
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T20c 20-pin connector, black
- T47 47-pin connector
- T94 94-pin connector

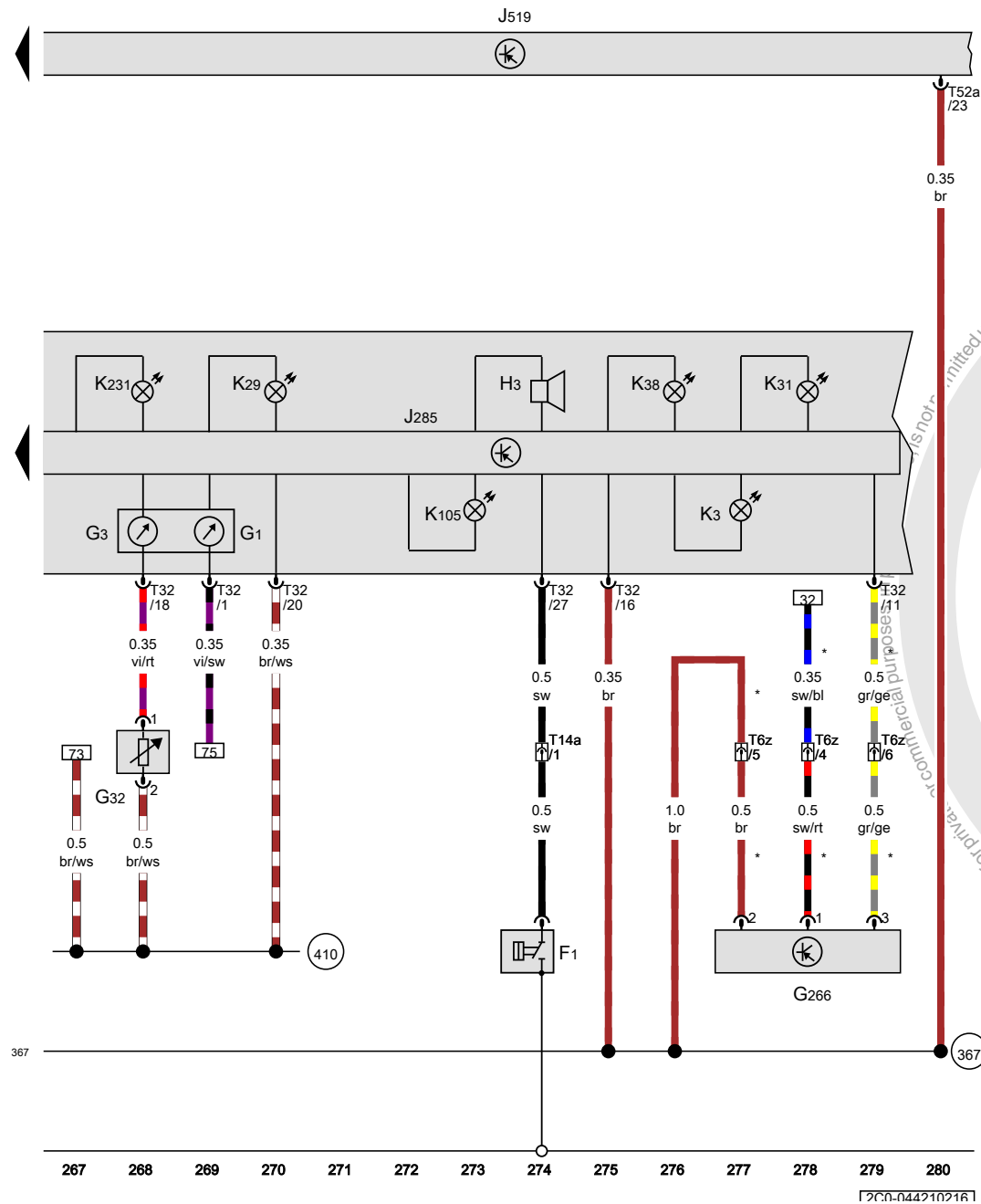
- (47) Earth point, in front right footwell
- (375) Earth connection 10, in main wiring harness
- (377) Earth connection 12, in main wiring harness
- (602) Earth point, in front left footwell
- (605) Earth point, on top end of steering column
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only models with auxiliary air heater
- *2 Only models with no air conditioning system
- *3 Only models with start/stop system
- *4 Only left-hand drive models
- *5 Only right-hand drive models

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







Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit, Glow period warning lamp, Diesel particulate filter warning lamp

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- K231 Diesel particulate filter warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

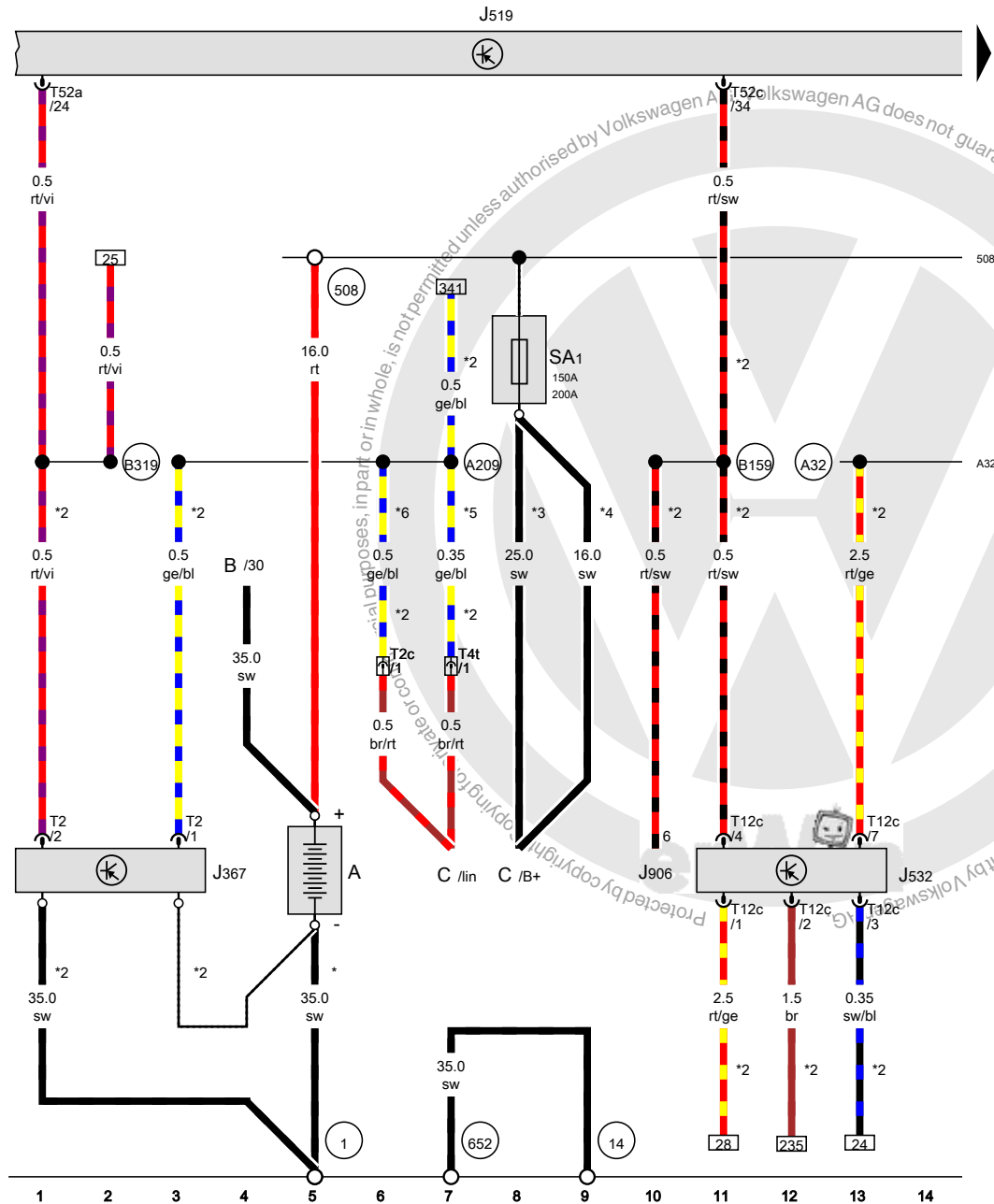
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Basic equipment

From November 2011



Battery, Battery monitor control unit, Onboard supply control unit, Voltage stabiliser, Fuse 1 in fuse holder A



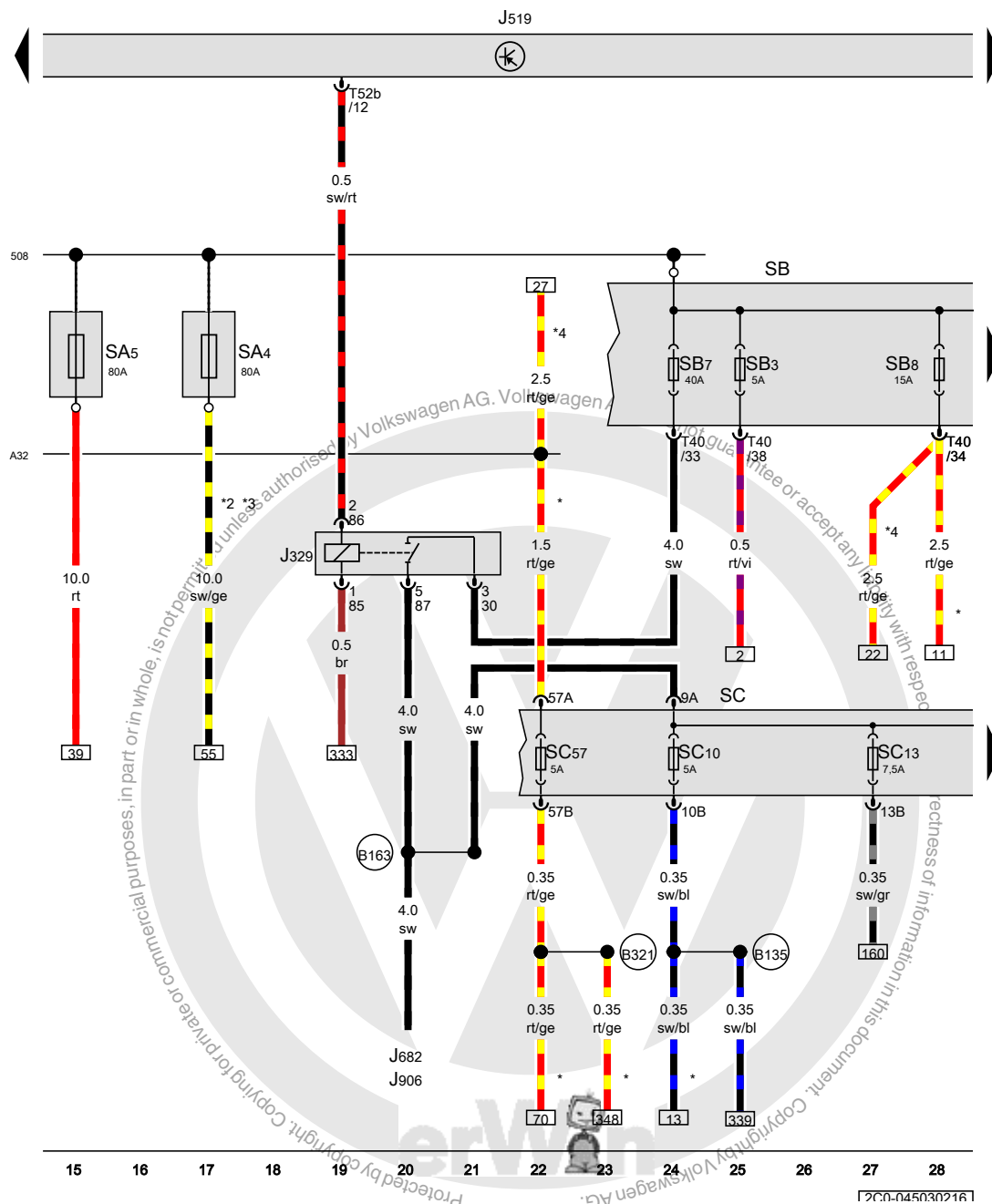
ws = white
sw = black
ro = red
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gn = green
bl = blue
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or = orange
rs = pink

A Battery
B Starter
C Alternator
J367 Battery monitor control unit
J519 Onboard supply control unit
J532 Voltage stabiliser
J906 Starter relay 1
SA1 Fuse 1 in fuse holder A
T2 2-pin connector
T2c 2-pin connector, near starter
T4t 4-pin connector, near starter
T12c 12-pin connector, black
T52a 52-pin connector, black
T52c 52-pin connector, brown

1 Earth strap, battery - body
14 Earth point, on gearbox
508 Threaded connection (30) on E-box
652 Earth point, engine and gearbox earth
A32 Positive connection (30), in dash panel wiring harness
A209 Connection 1 (LIN bus) in dash panel wiring harness
B159 Connection (diagnosis), in interior wiring harness
B319 Positive connection 5 (30a) in main wiring harness

* Only models with no start/stop system
*2 Only models with start/stop system
*3 Only models with 140A alternator
*4 Only models with 90 A/ 120 A alternator
*5 Only models with air conditioning system
*6 Only models with no air conditioning system

12C0-0450202161



Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A, Fuse holder C

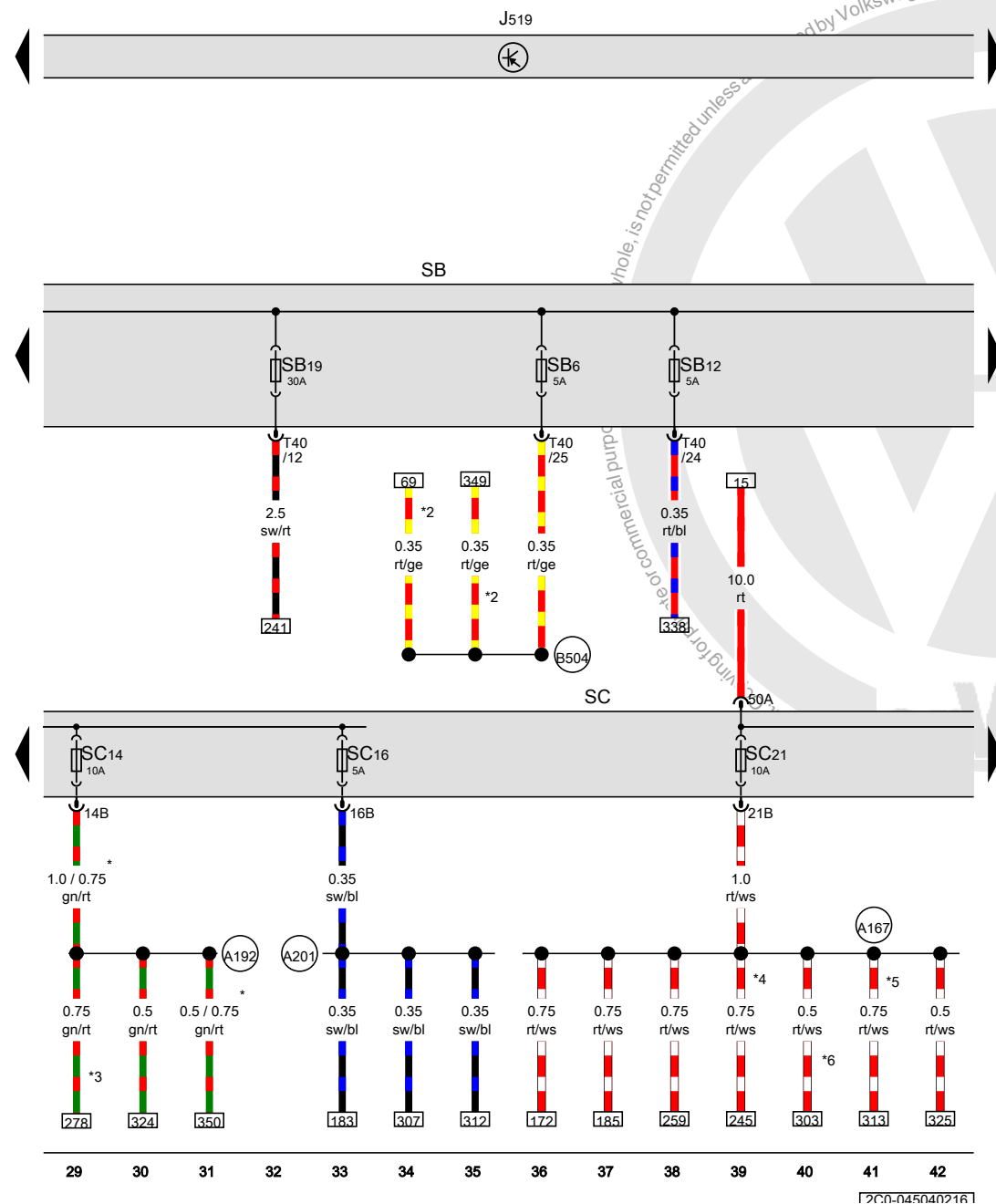
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- J906 Starter relay 1
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T40 40-pin connector, black
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B321 Positive connection 7 (30a) in main wiring harness

- * Only models with start/stop system
- *2 From November 2012
- *3 Only models with no Climatronic
- *4 Only models with no start/stop system

- 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

Onboard supply control unit, Fuse holder B, Fuse holder C



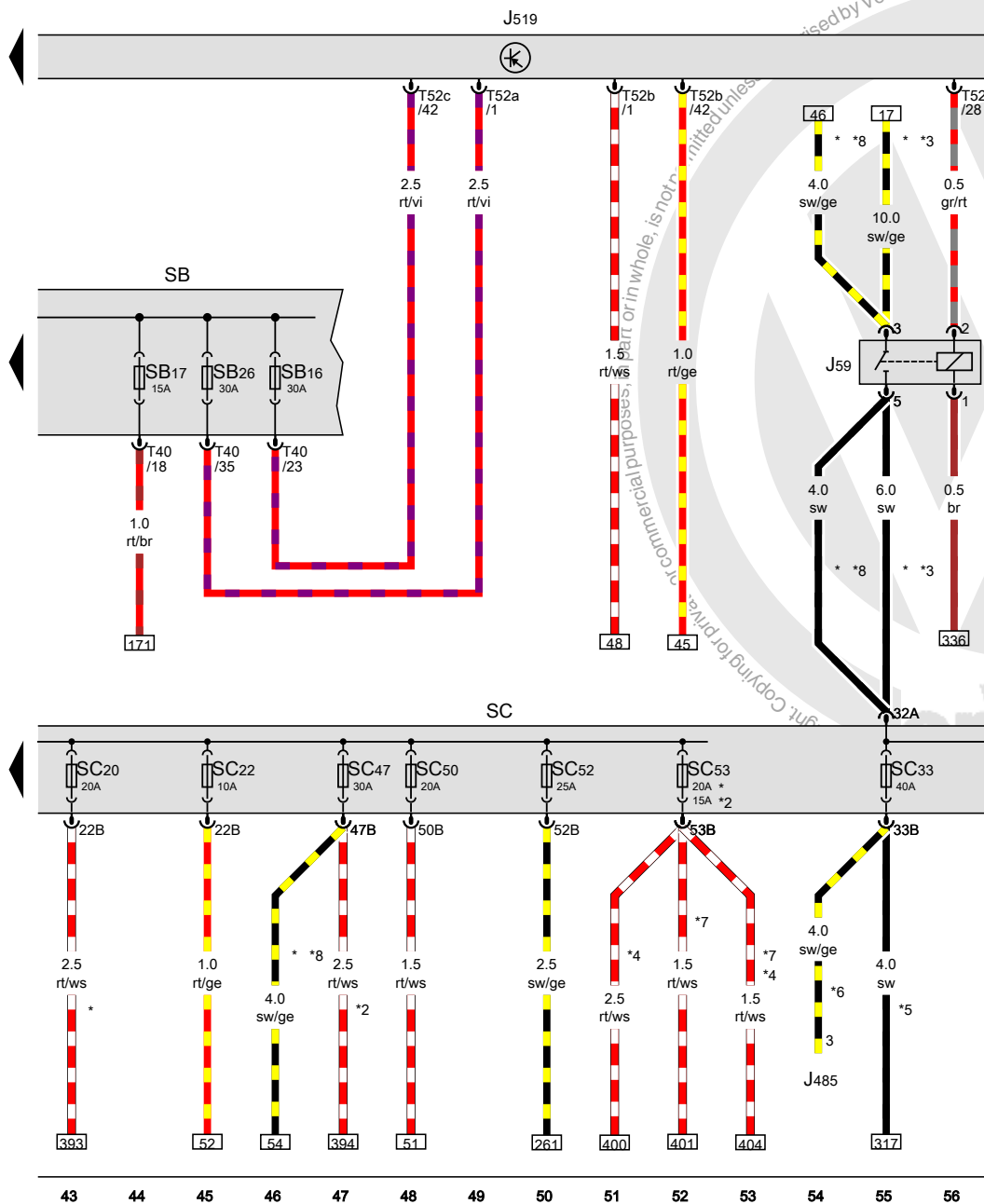
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SB19 Fuse 19 on fuse holder B
- SC21 Fuse 21 on fuse holder C
- T40 40-pin connector, black

- A167 Positive connection 3 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness

- * From May 2012
- *2 Only models with no start/stop system
- *3 Not for models with dual clutch gearbox
- *4 Only models with rain and light sensor
- *5 Only models with auxiliary coolant heater
- *6 Only Camper

- 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

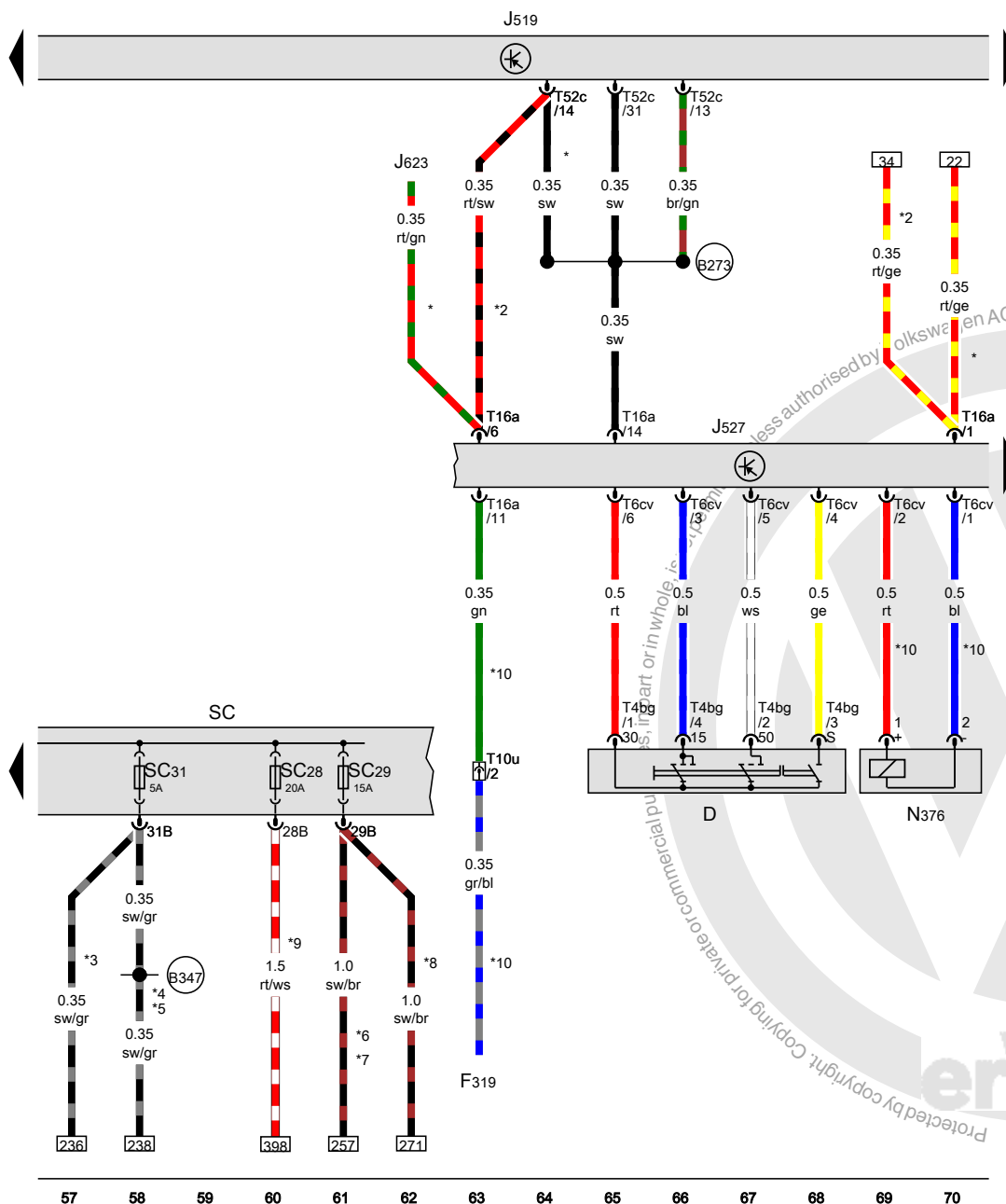
X-contact relief relay, Onboard supply control unit, Fuse holder B, Fuse holder C



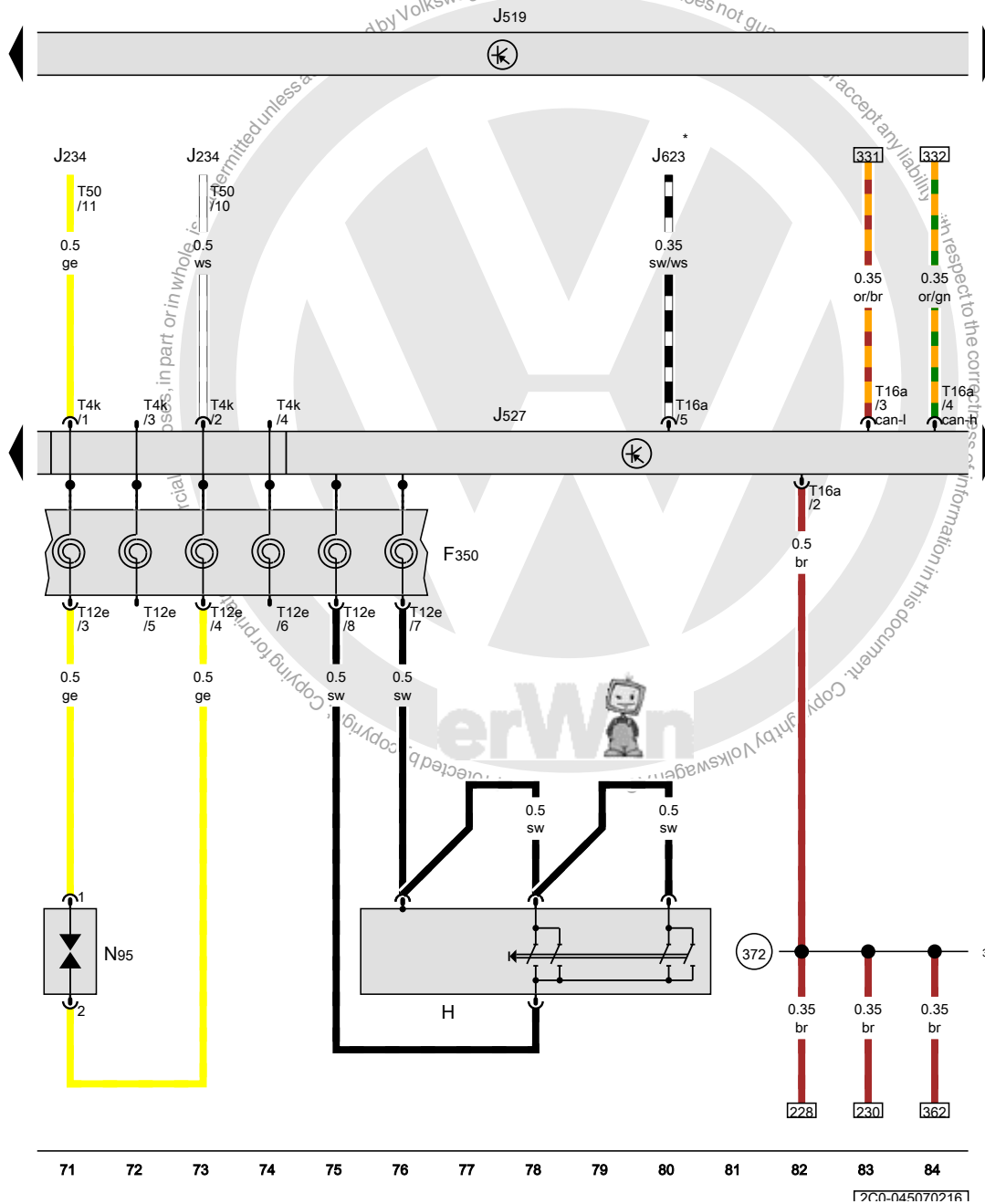
- J59 X-contact relief relay
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SB26 Fuse 26 on fuse holder B
- SC33 Fuse 33 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- * From November 2012
- *2 Up to October 2012
- *3 Only models with no Climatronic
- *4 According to equipment
- *5 Only models with no auxiliary coolant heater
- *6 Only models with auxiliary coolant heater
- *7 Only models with 12 V socket
- *8 Only models with Climatronic

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

Ignition/starter switch, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid, Fuse holder C



700-045060216



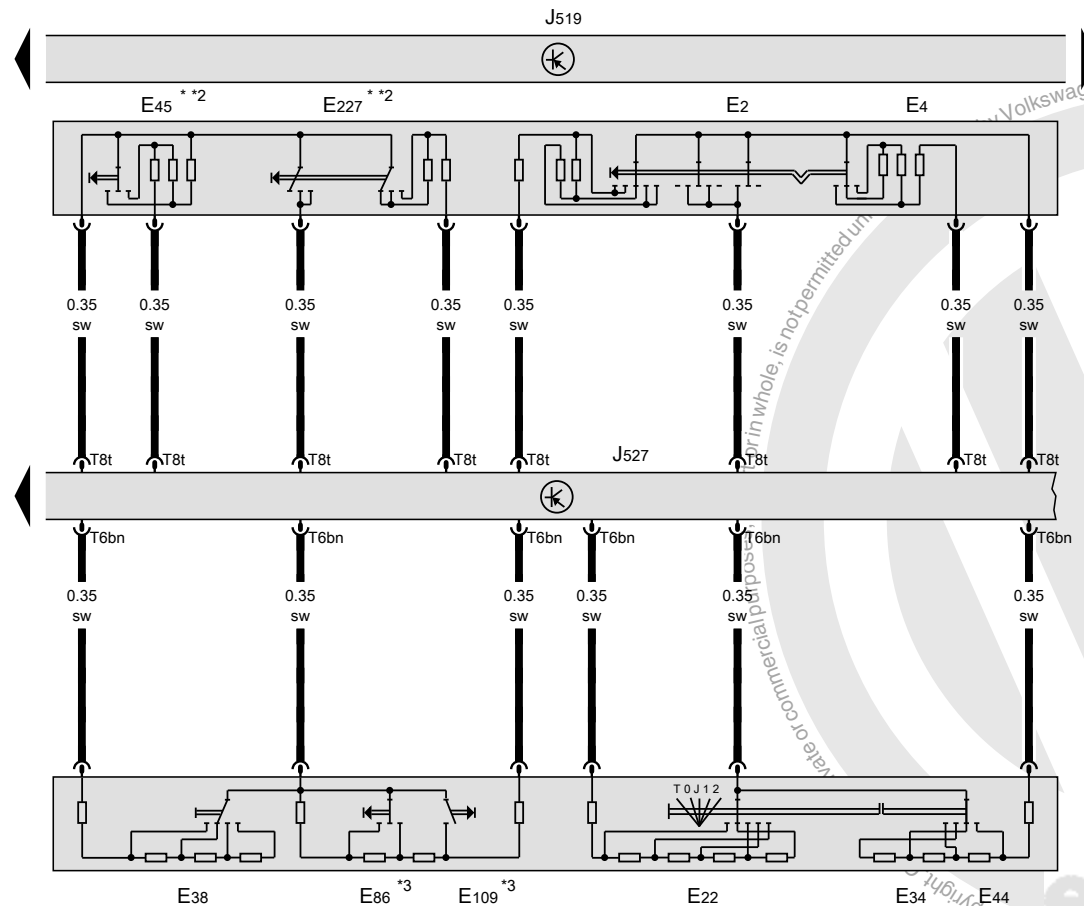
Horn plate, Onboard supply control unit, Steering column electronics control unit, Driver side airbag igniter

- F350 Coil connector
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector, yellow
- T12e 12-pin connector, yellow
- T16a 16-pin connector, black
- T50 50-pin connector

372 Earth connection 7, in main wiring harness

* see applicable current flow diagram for engine

- 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



Turn signal switch, Headlight dipper and flasher switch, Intermittent wiper switch, Rear wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

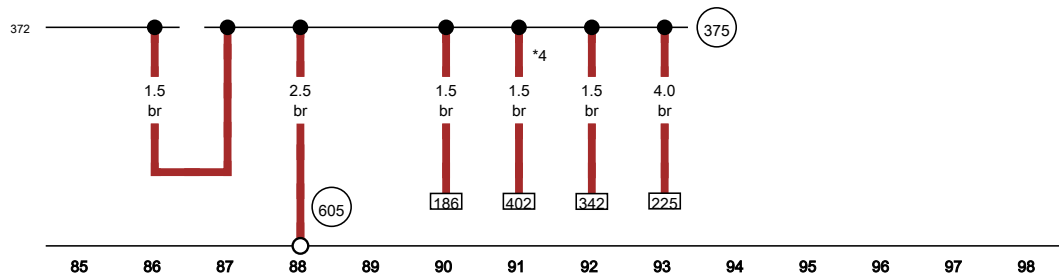
- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T6bn 6-pin connector, white
- T8t 8-pin connector, white

372 Earth connection 7, in main wiring harness

375 Earth connection 10, in main wiring harness

605 Earth point, on top end of steering column

- * Only models with cruise control system (CCS)
- *2 Only models with no multifunction steering wheel
- *3 Only models with multifunction display
- *4 Only models with 12 V socket

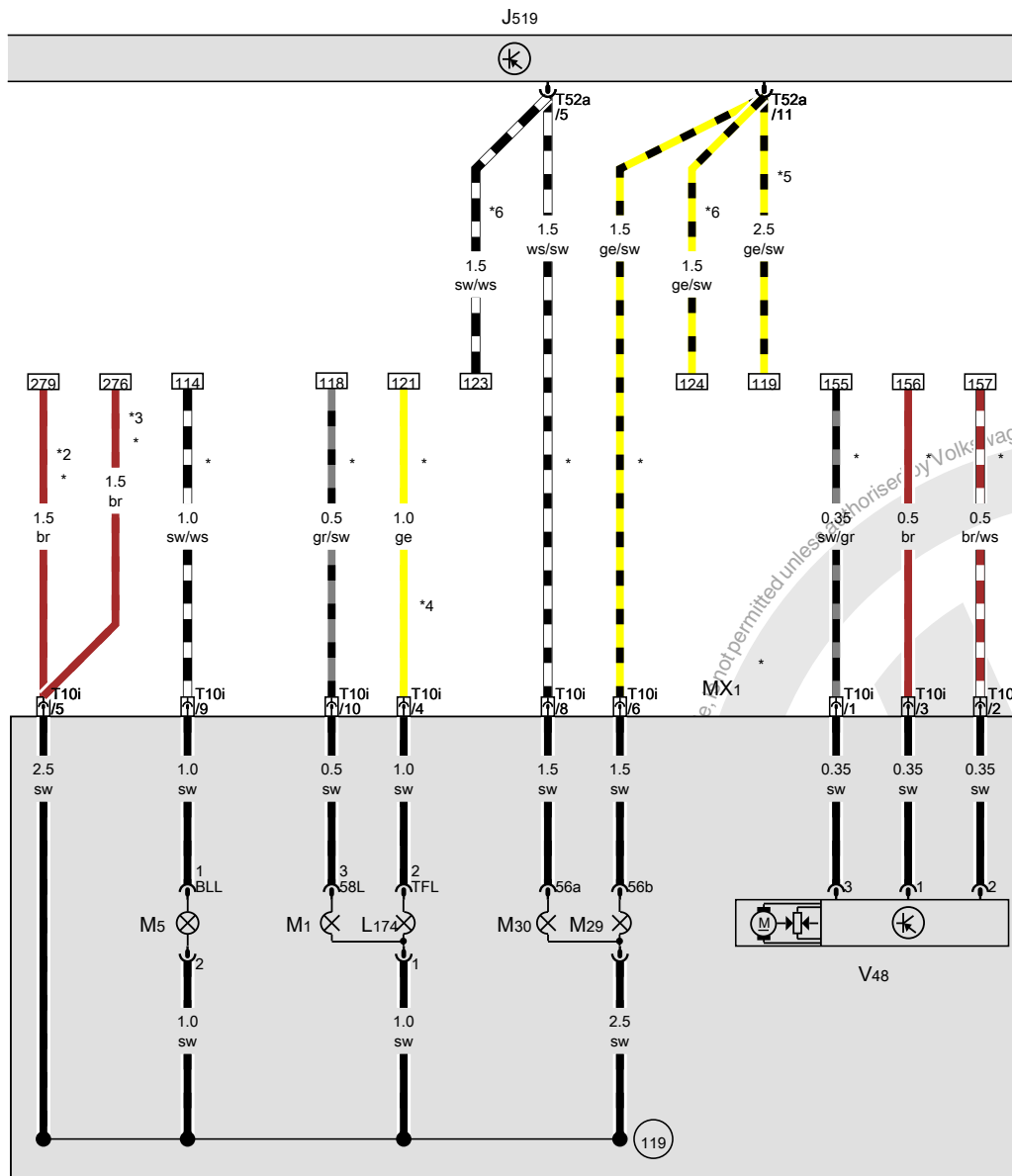


- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

700-045080216

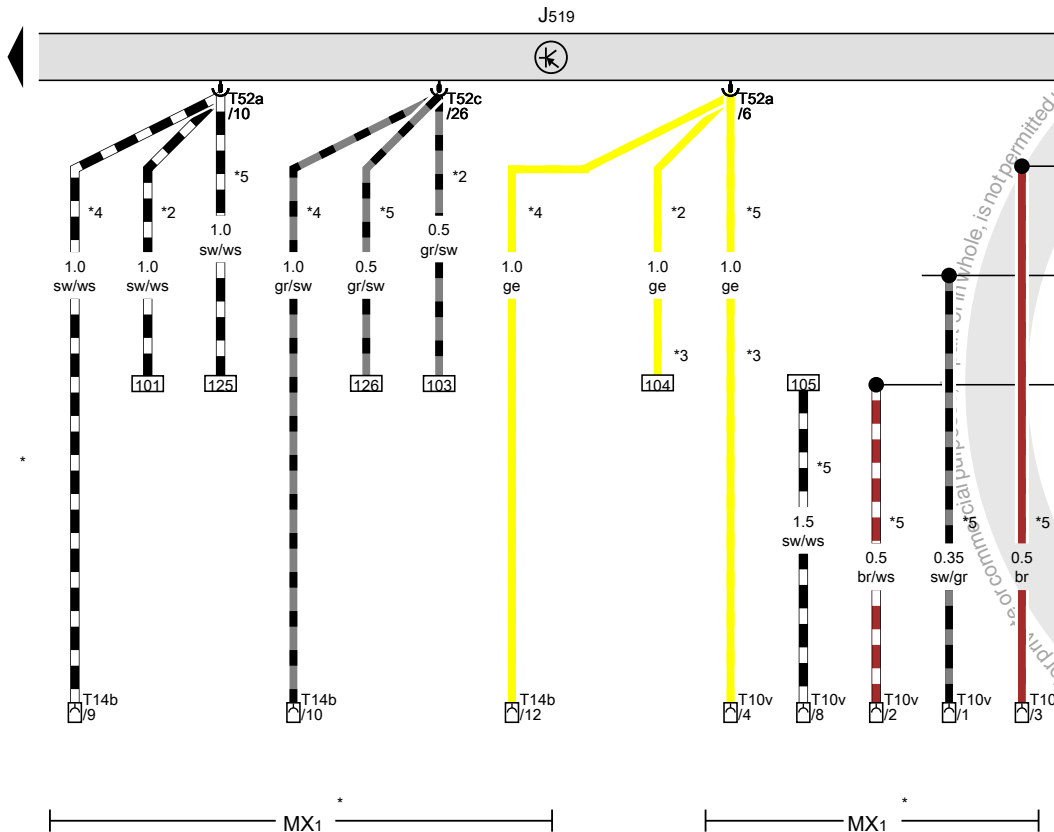
Onboard supply control unit, Left daytime running light bulb, Front left headlight, Left side light bulb, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M1 Left side light bulb
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T10i 10-pin connector, on left headlight, black
- T52a 52-pin connector, black
- V48 Left headlight range control motor
- 119 Earth connection 1, in headlight wiring harness
- * Only models with H4 headlights
- *2 From November 2012
- *3 Up to April 2012
- *4 Only models with daytime running lights
- *5 Headlight with gas discharge light
- *6 Only models with H7 headlights



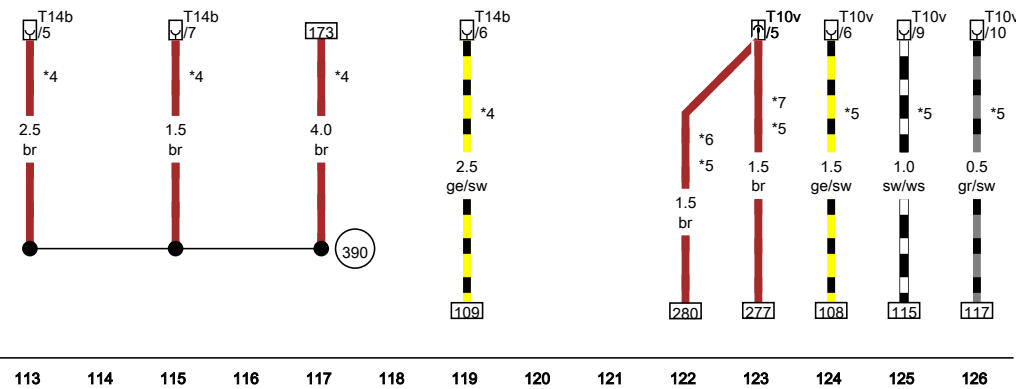
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 sw = black
 ro = red
 rt = red
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 gn = green
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 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

99 100 101 102 103 104 105 106 107 108 109 110 111 112



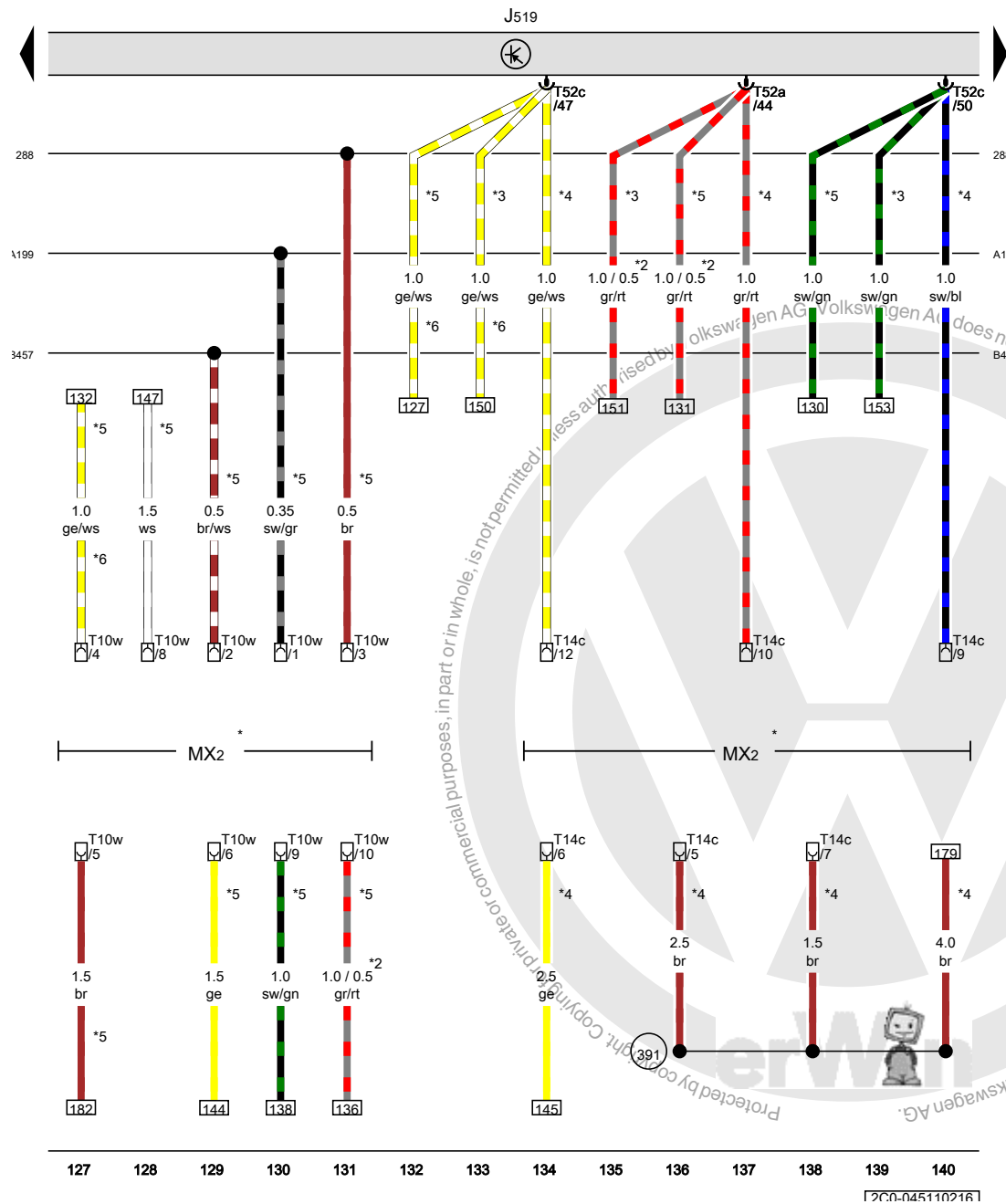
Onboard supply control unit

- J519 Onboard supply control unit
- MX1 Front left headlight
- T10v 10-pin connector, on left headlight, black
- T14b 14-pin connector, on left headlight, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- 288 Earth connection (HRC), in dash panel wiring harness
- 390 Earth connection 25, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * see applicable current flow diagram for headlights
- *2 Only models with H4 headlights
- *3 Only models with daytime running lights
- *4 Headlight with gas discharge light
- *5 Only models with H7 headlights
- *6 From November 2012
- *7 Up to April 2012



- 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

1200-0451002161

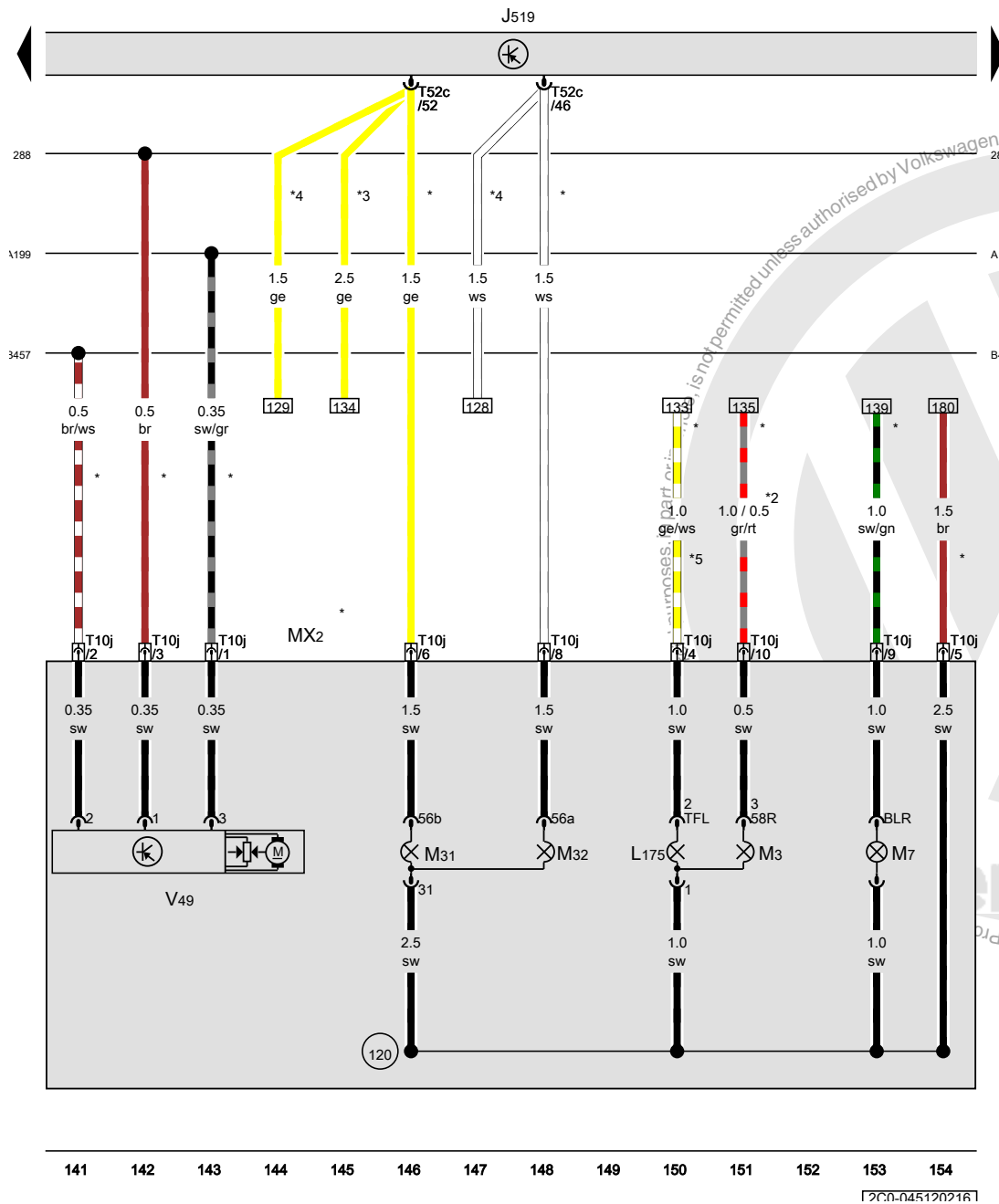


Onboard supply control unit

- J519 Onboard supply control unit
- MX2 Front right headlight
- T10w 10-pin connector, on right headlight, black
- T14c 14-pin connector, on right headlight, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- 391 Earth connection 26, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

- * see applicable current flow diagram for headlights
- *2 From May 2012
- *3 Only models with H4 headlights
- *4 Headlight with gas discharge light
- *5 Only models with H7 headlights
- *6 Only models with daytime running lights

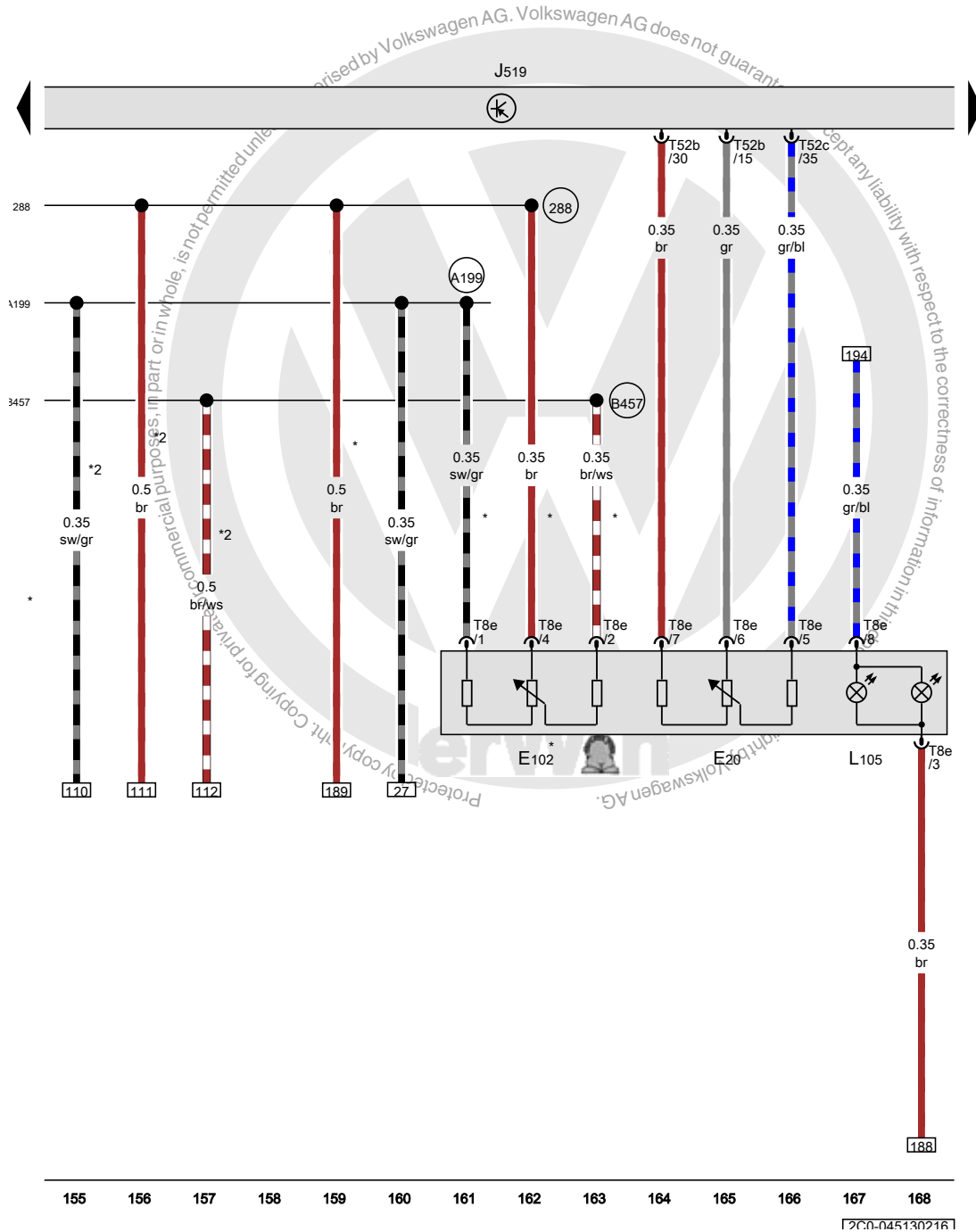


Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

- J519 Onboard supply control unit
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T10j 10-pin connector, on right headlight, black
- T52c 52-pin connector, brown
- V49 Right headlight range control motor

- 120 Earth connection 2, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with H4 headlights
- *2 From May 2012
- *3 Headlight with gas discharge light
- *4 Only models with H7 headlights
- *5 Only models with daytime running lights

- 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



Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

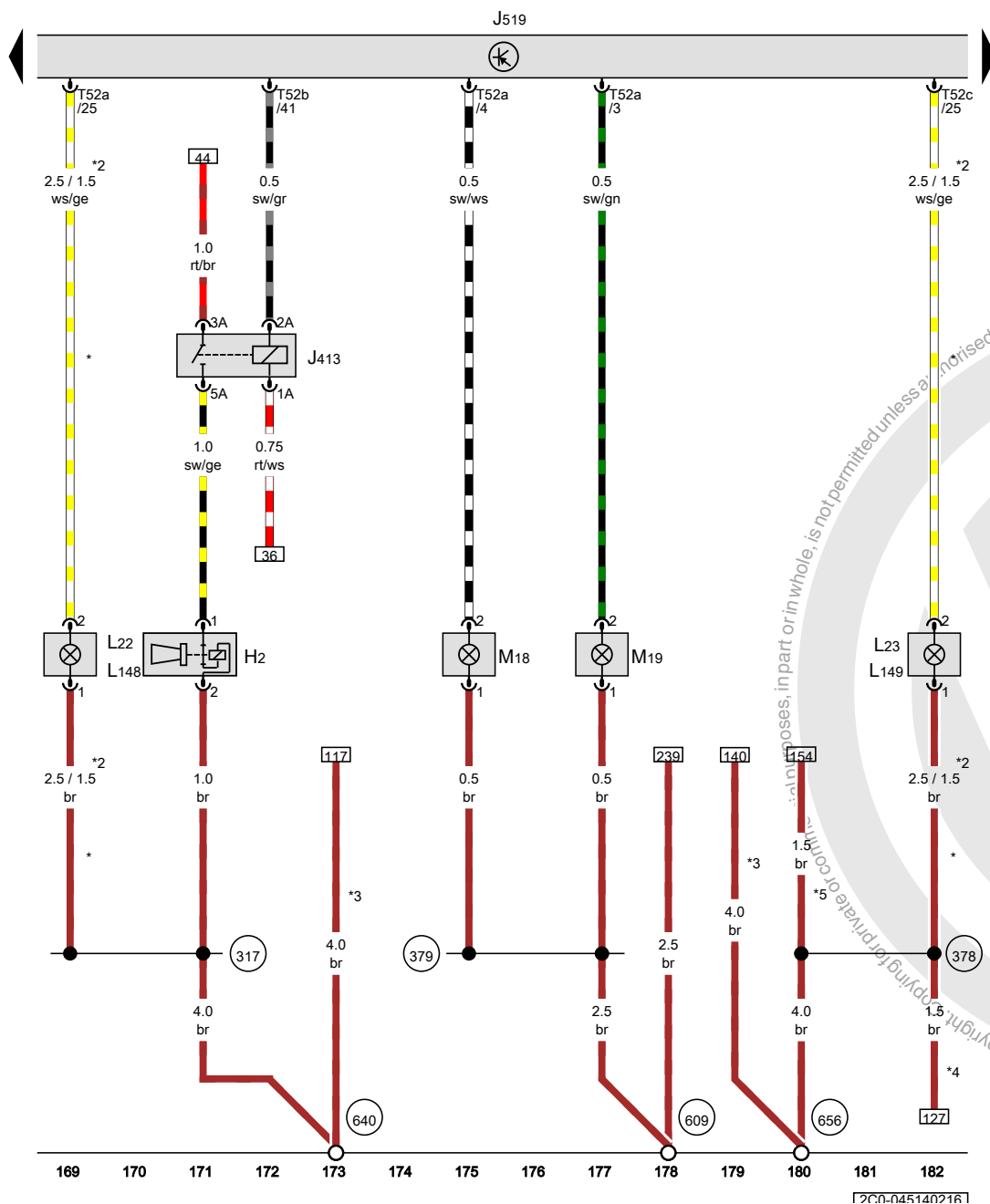
- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

- * Only models with no automatic headlight range control
- *2 Only models with H4 headlights

- ws = white
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Treble horn, Horn relay, Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left cornering light bulb, Right cornering light bulb, Left turn signal repeater bulb, Right turn signal repeater bulb



- H2 Treble horn
- J413 Horn relay
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L148 Left cornering light bulb
- L149 Right cornering light bulb
- M18 Left turn signal repeater bulb
- M19 Right turn signal repeater bulb
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 317 Earth connection 7, in engine compartment wiring harness
- 378 Earth connection 13, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 609 Earth point, on right in plenum chamber
- 640 Earth point 2, left in engine compartment
- 656 Earth point, on right headlight
- * Only models with fog lights
- *2 From May 2014
- *3 Headlight with gas discharge light
- *4 Only models with H7 headlights
- *5 Only models with H4 headlights

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- vi = purple
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- or = orange
- rs = pink

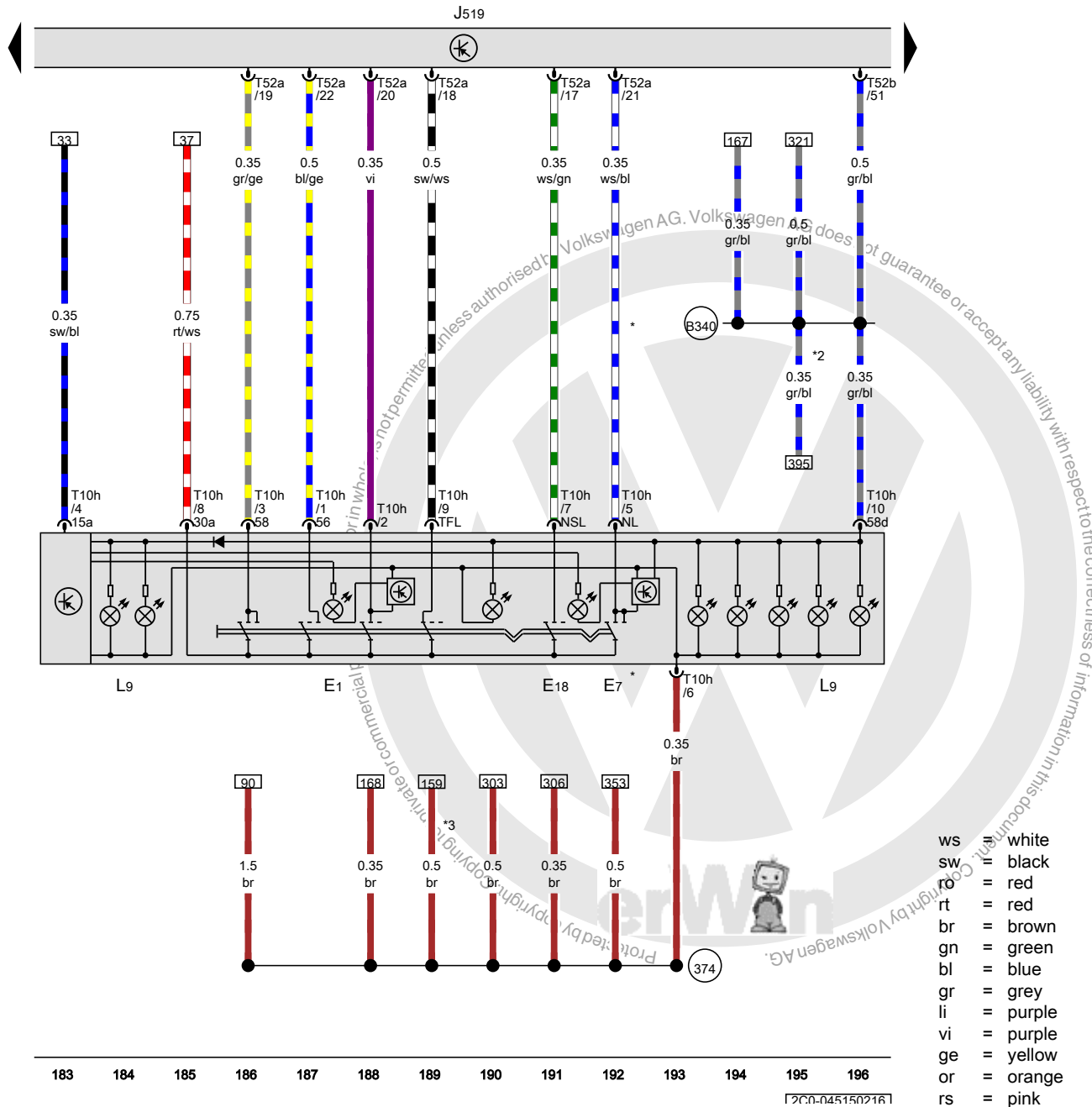
Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit

- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- L9 Light switch illumination bulb
- T10h 10-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white

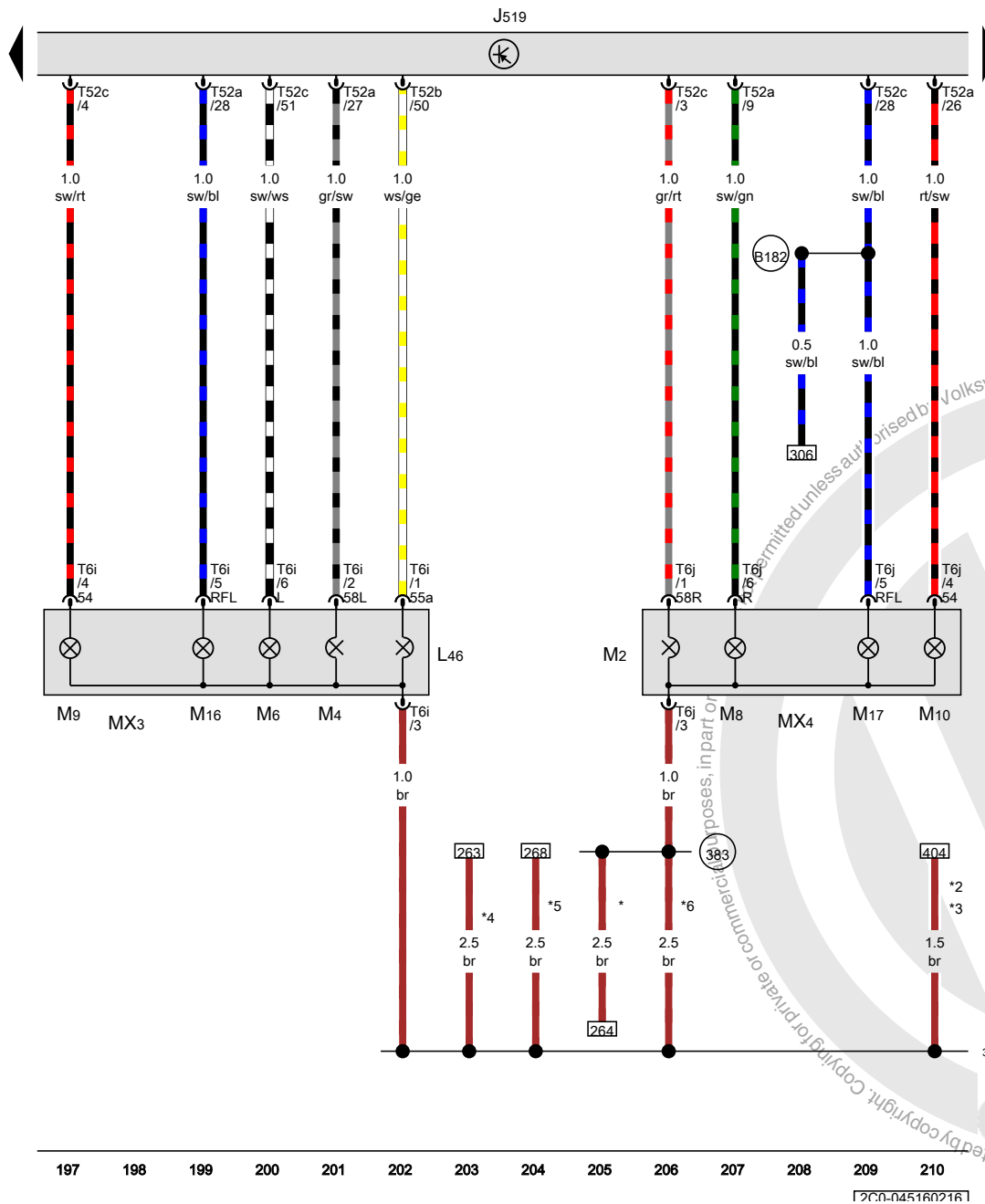
374 Earth connection 9, in main wiring harness

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

- * Only models with fog lights
- *2 According to equipment
- *3 Only models with no automatic headlight range control



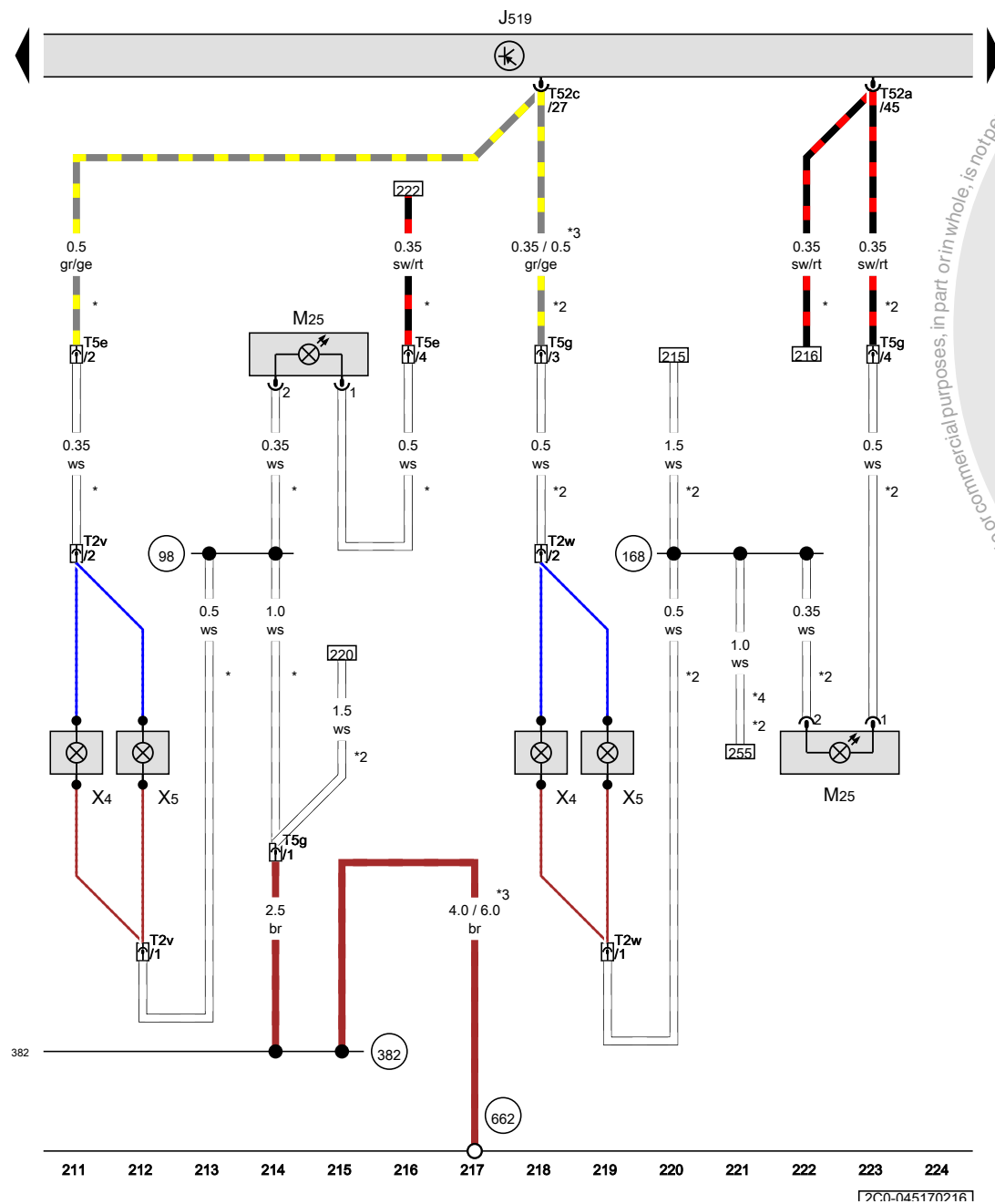
Onboard supply control unit, Left tail light, Right tail light



- J519 Onboard supply control unit
- L46 Rear left fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- MX4 Right tail light
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T6i 6-pin connector, black
- T6j 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- B182 Connection (RL), in interior wiring harness
- * Optional equipment
- *2 According to equipment
- *3 Up to October 2012
- *4 Only models with wing doors
- *5 Only models with rear lid
- *6 Only models with basic equipment

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- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
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- or = orange
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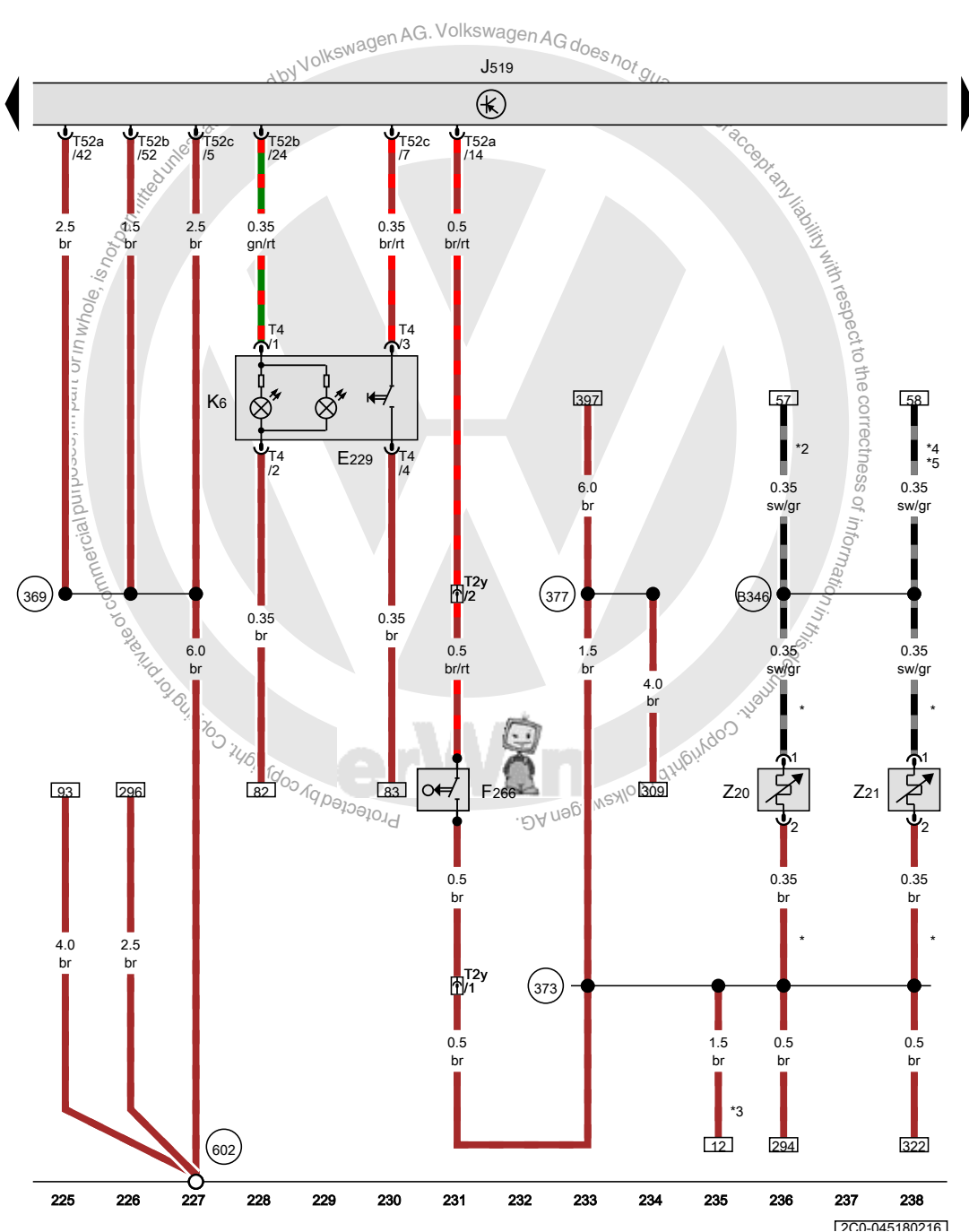


Onboard supply control unit, High-level brake light bulb, Left number plate light, Right number plate light

- J519 Onboard supply control unit
- M25 High-level light bulb
- T2v 2-pin connector, in rear lid, black
- T2w 2-pin connector, in rear left wing door, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- X4 Left number plate light
- X5 Right number plate light

- 98 Earth connection, in rear lid wiring harness
- 168 Earth connection, in rear left wing door wiring harness
- 382 Earth connection 17, in main wiring harness
- 662 Earth point, rear left side panel
- * Only models with rear lid
- *2 Only models with wing doors
- *3 According to equipment
- *4 Only models with rear window wiper

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- bl = blue
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- rs = pink



Hazard warning lights button, Bonnet contact switch, Onboard supply control unit, Left washer jet heater element, Right washer jet heater element

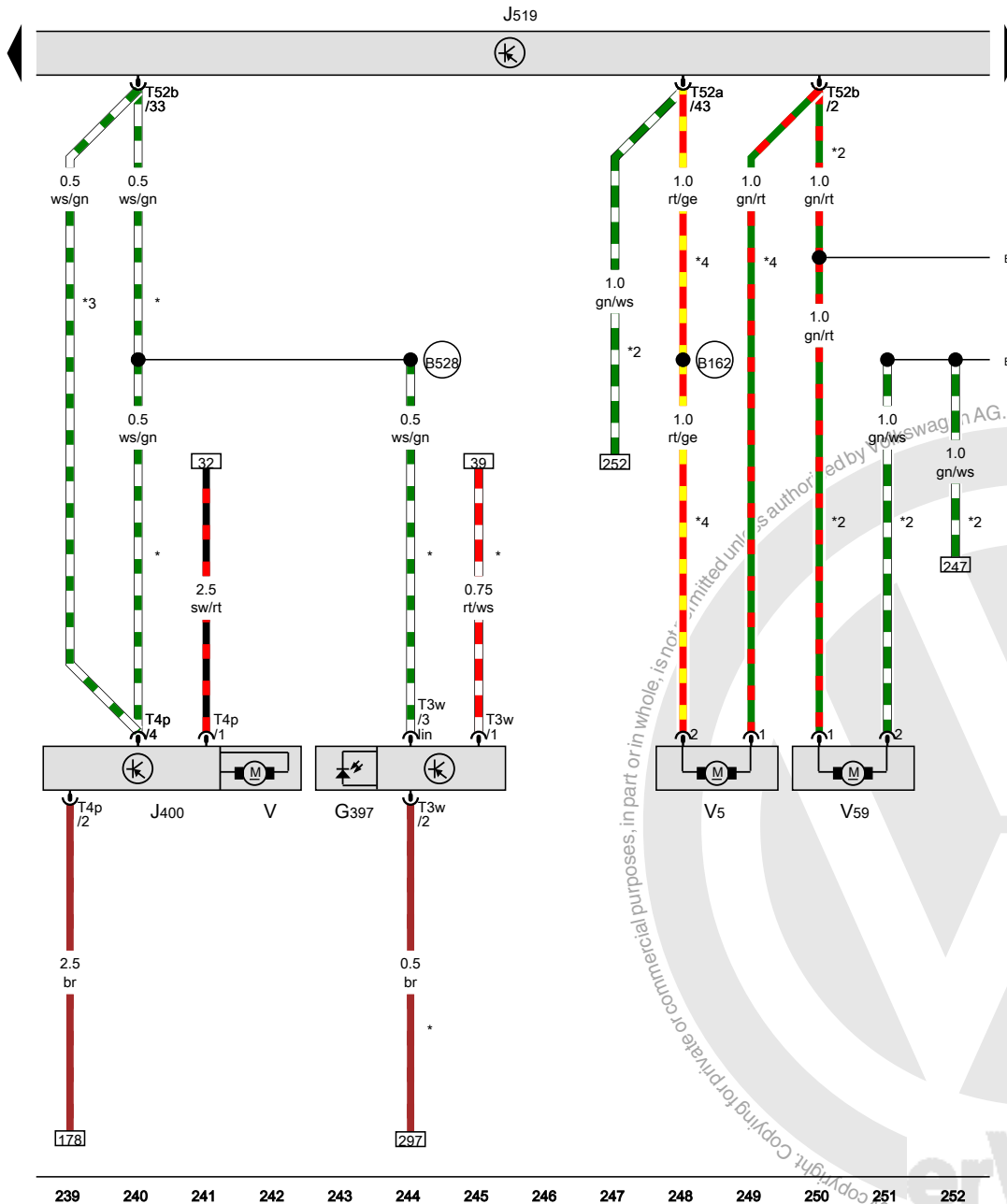
- E229 Hazard warning lights button
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2y 2-pin connector, near right headlight, black
- T4 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

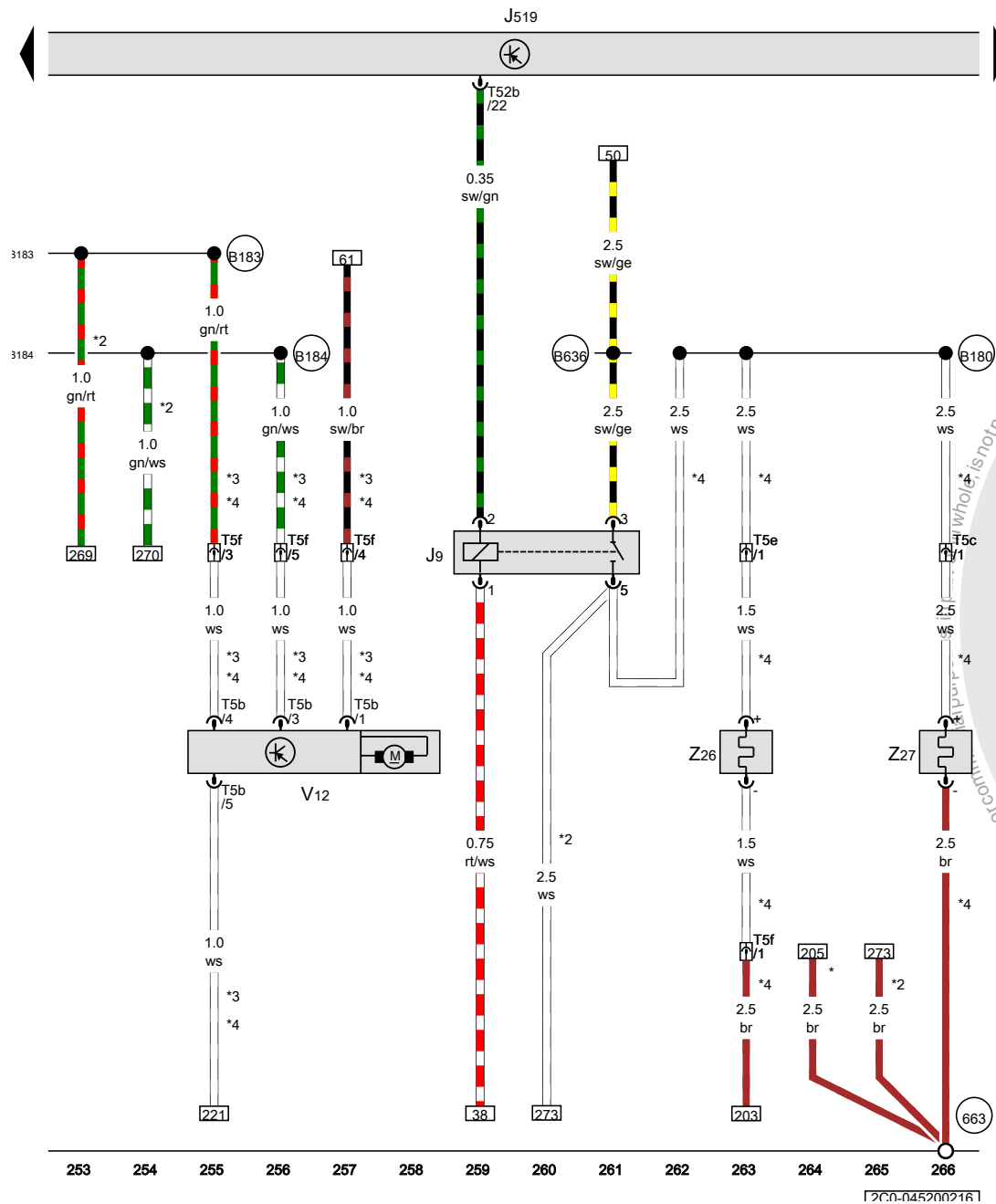
- 369 Earth connection 4, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- B346 Connection 1 (75), in main wiring harness

- * Only models with heated washer jets
- *2 Only models with air conditioning system/ Climatronic
- *3 Only models with start/stop system
- *4 Only models with no air conditioning system/Climatronic
- *5 Only models with seat heating

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Rain and light sensor, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Washer pump, Windscreen and rear window washer pump



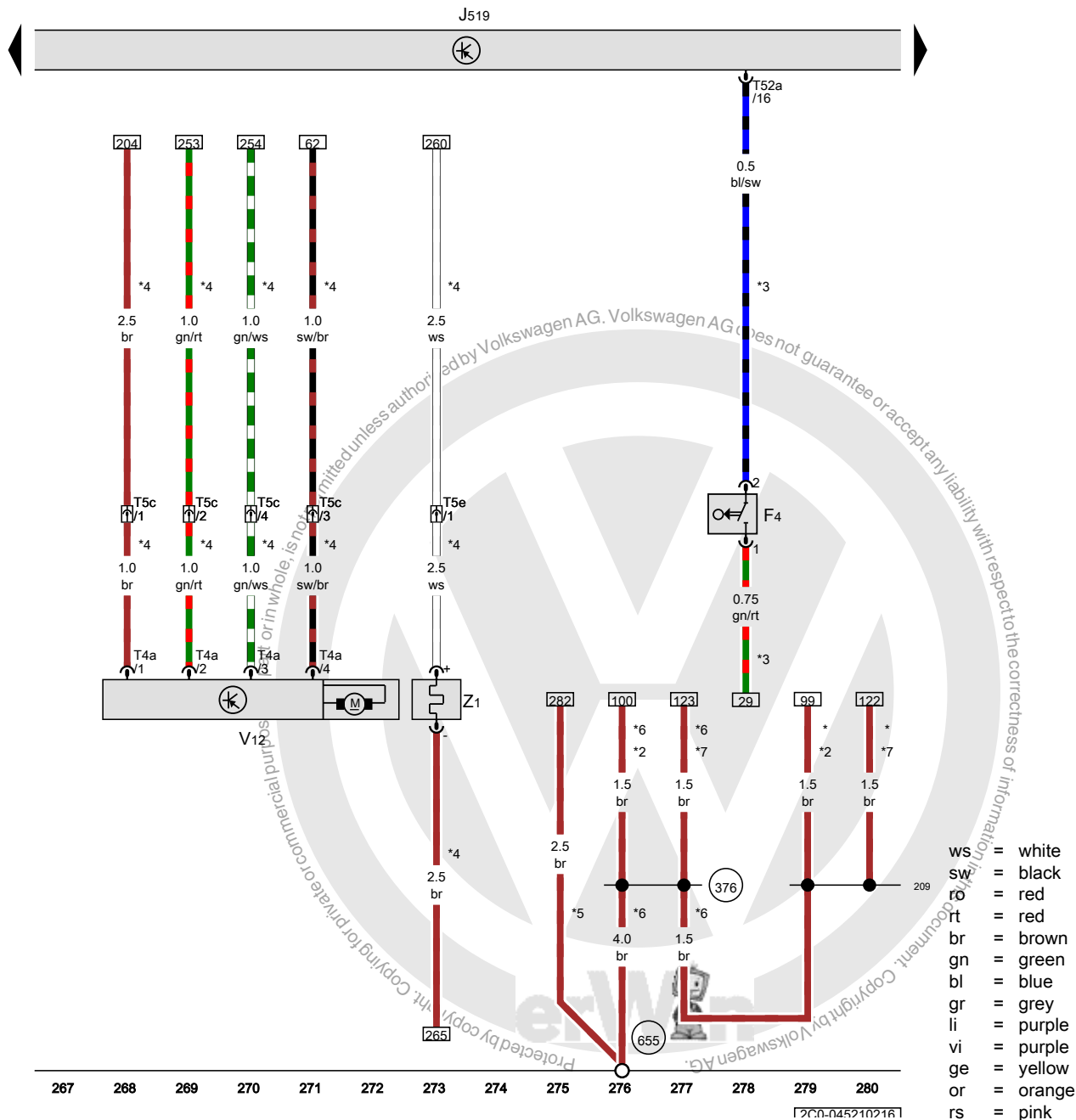


Heated rear window relay, Onboard supply control unit, Rear window wiper motor, Heated rear window in left wing door, Heated rear window in right wing door

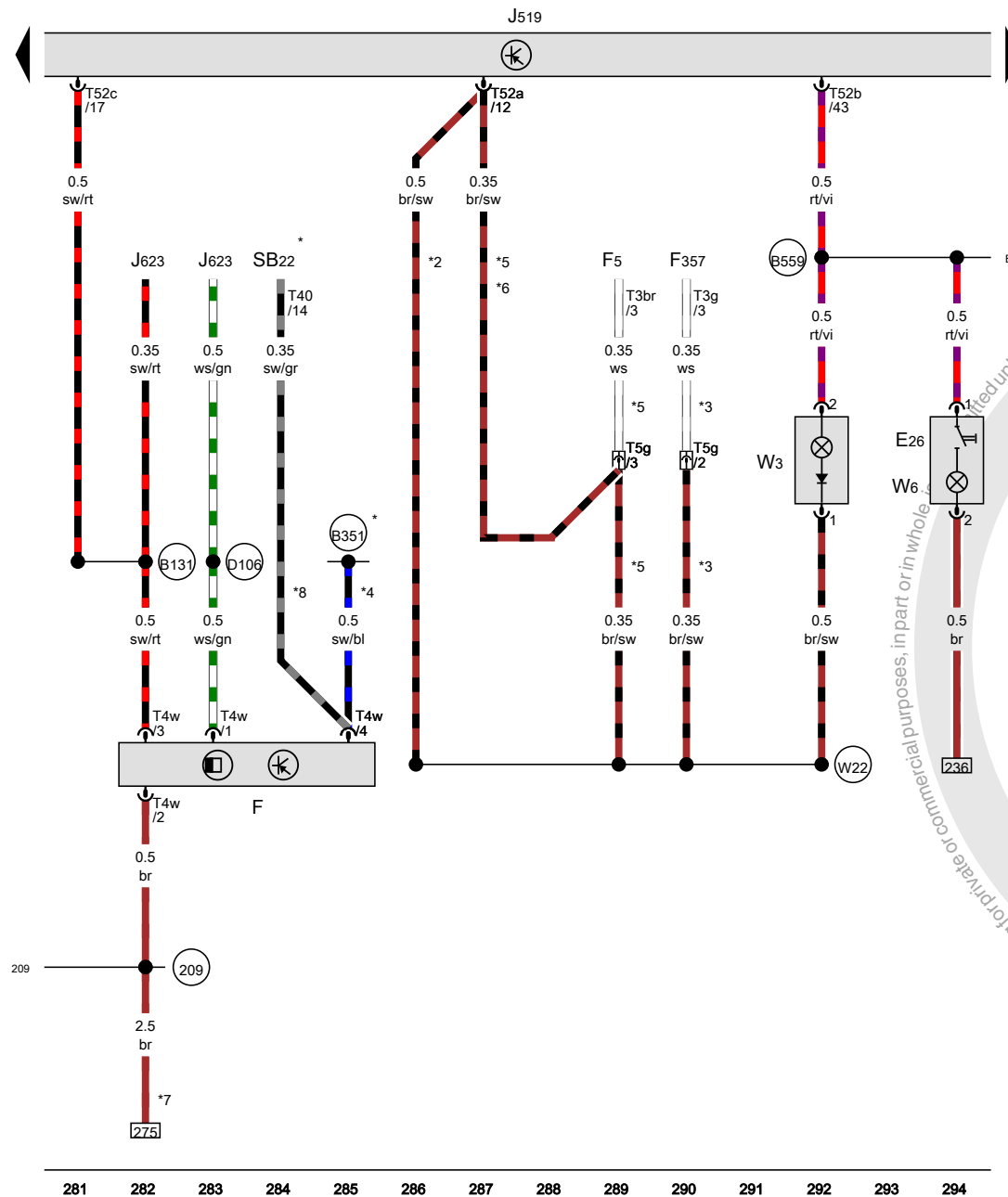
- J9 Heated rear window relay
- J519 Onboard supply control unit
- T5b 5-pin connector
- T5c 5-pin connector, in rear right side panel, light pink
- T5e 5-pin connector, in rear left side panel, black
- T5f 5-pin connector, in rear left side panel, light pink
- T52b 52-pin connector, white
- V12 Rear window wiper motor
- Z26 Heated rear window in left wing door
- Z27 Heated rear window in right wing door
- 663 Earth point, rear right side panel
- B180 Connection (heated rear window), in interior wiring harness
- B183 Connection 1 (washer pump), in interior wiring harness
- B184 Connection 2 (washer pump), in interior wiring harness
- B636 Connection (supplementary heater), in main wiring harness
- * Optional equipment
- *2 Only models with rear lid
- *3 Only models with rear window wiper
- *4 Only models with wing doors

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Reversing light switch, Onboard supply control unit, Rear window wiper motor, Heated rear window



- F4 Reversing light switch
- J519 Onboard supply control unit
- T4a 4-pin connector, black
- T5c 5-pin connector, in rear right side panel, light pink
- T5e 5-pin connector, in rear left side panel, black
- T52a 52-pin connector, black
- V12 Rear window wiper motor
- Z1 Heated rear window
- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- * From November 2012
- *2 Only models with H4 headlights
- *3 Not for models with dual clutch gearbox
- *4 Only models with rear lid
- *5 From May 2012
- *6 Up to April 2012
- *7 Only models with H7 headlights



Glove compartment light switch, Brake light switch, Onboard supply control unit, Luggage compartment light, Glove compartment light

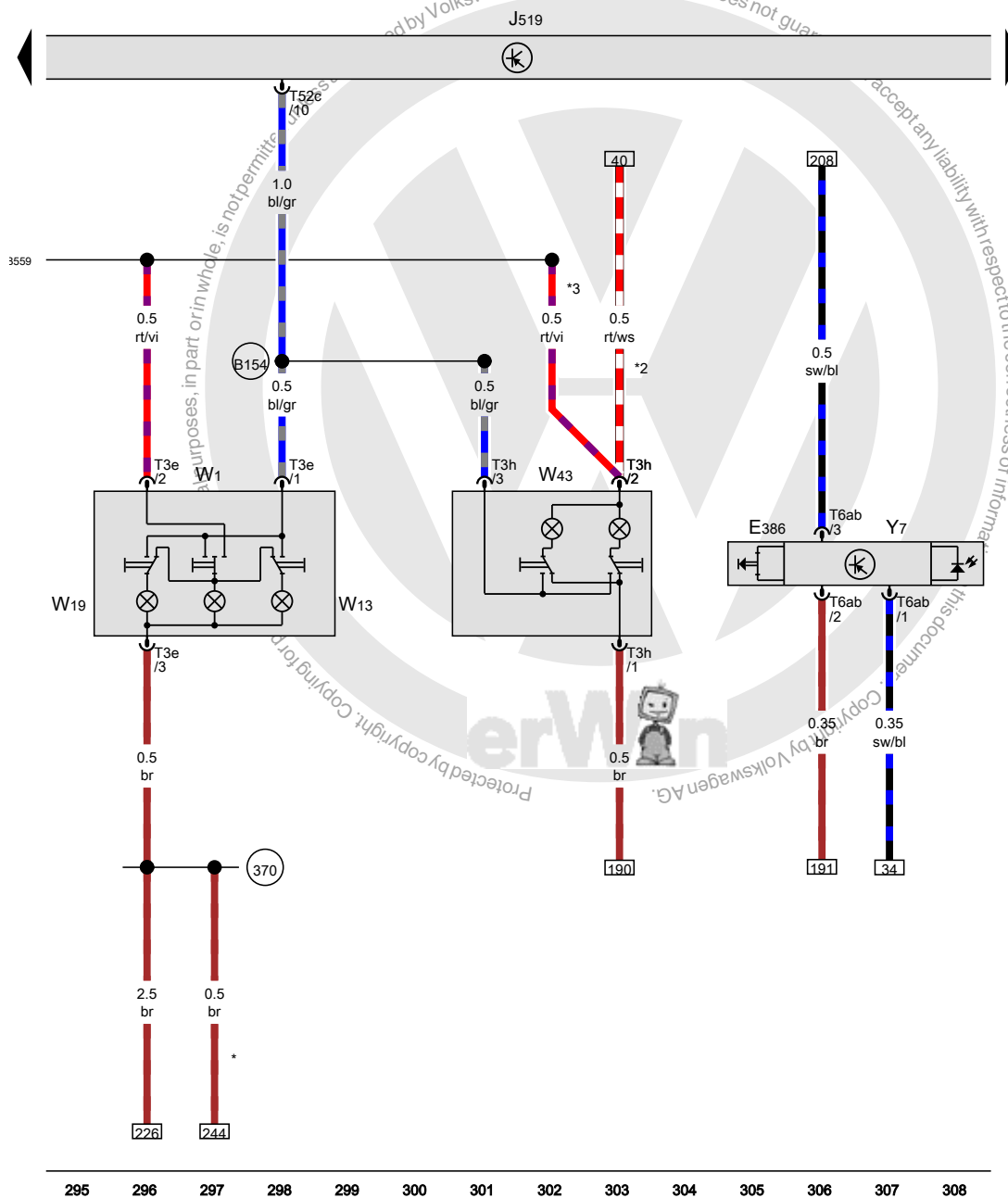
- E26 Glove compartment light switch
- F Brake light switch
- F5 Luggage compartment light switch
- F357 Left luggage compartment light switch
- J519 Onboard supply control unit
- J623 Engine control unit
- SB22 Fuse 22 on fuse holder B
- T3br 3-pin connector
- T3g 3-pin connector
- T4w 4-pin connector, black
- T5g 5-pin connector, in rear left side panel, brown
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- W3 Luggage compartment light
- W6 Glove compartment light

- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- W22 Connection (door contact switch), in rear wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with luggage compartment light
- *3 Only models with wing doors
- *4 Only models with manual gearbox
- *5 Only models with rear lid
- *6 Only models with no luggage compartment light
- *7 From May 2012
- *8 Only models with dual clutch gearbox

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- vi = purple
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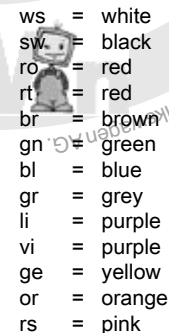
1700-045220216



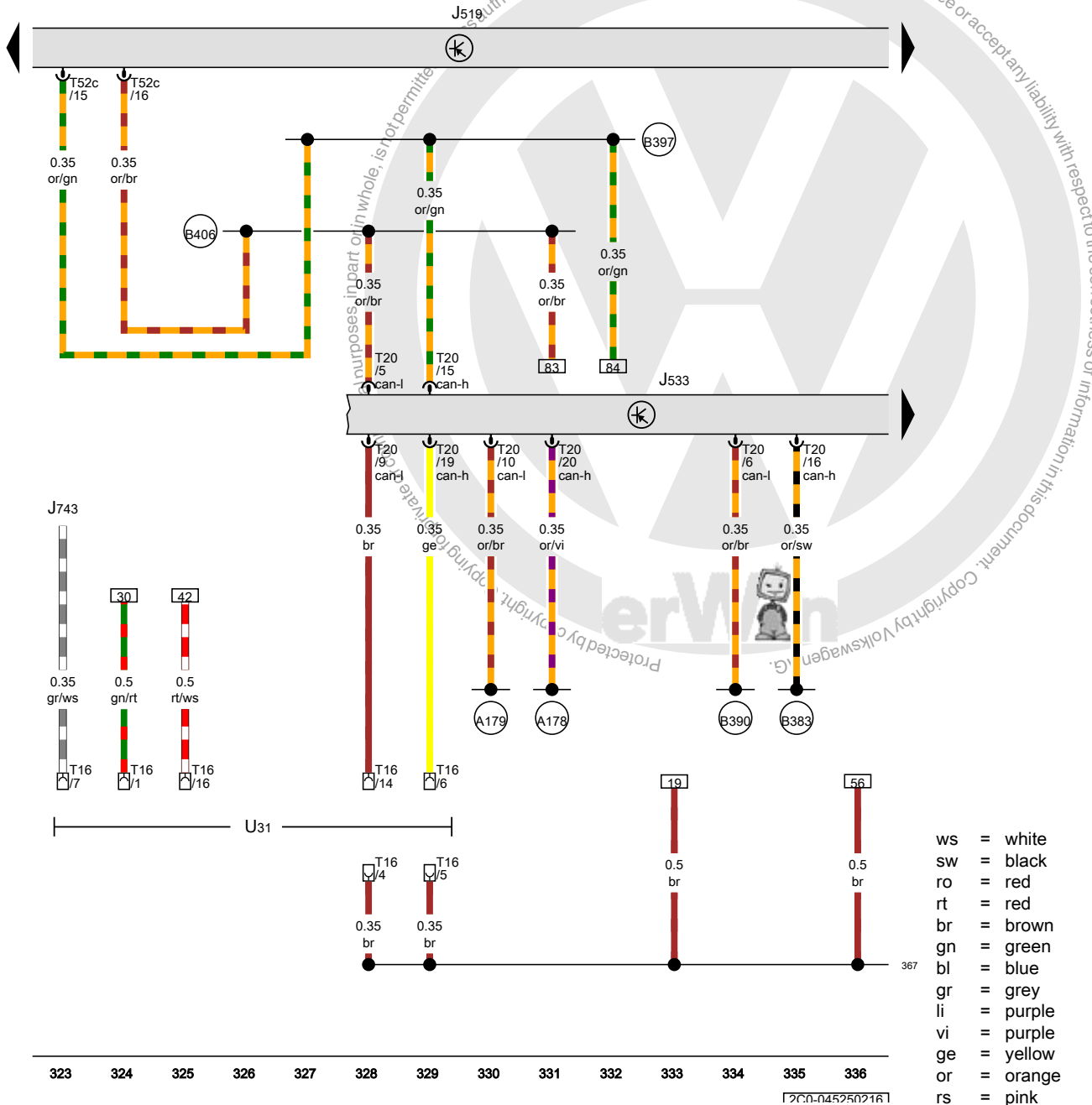
Anti-dazzle interior mirror button, Onboard supply control unit, Front interior light, Rear interior light, Automatic anti-dazzle interior mirror

- E386 Anti-dazzle interior mirror button
- J519 Onboard supply control unit
- T3e 3-pin connector
- T3h 3-pin connector
- T6ab 6-pin connector, black
- T52c 52-pin connector, brown
- W1 Front interior light
- W13 Front passenger reading light
- W19 Driver side reading light
- W43 Rear interior light
- Y7 Automatic anti-dazzle interior mirror
- 370 Earth connection 5, in main wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- * Only models with rain and light sensor
- *2 Only Camper
- *3 Not for Camper

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B177	Connection (61), in interior wiring harness
L66	Connection 1, in heater blower wiring harness
L75	Connection 2, in heater blower wiring harness
*	see applicable current flow diagram for engine
*2	Only models with auxiliary coolant heater
*3	Only models with no auxiliary coolant heater
*4	Only models with start/stop system
*5	Only models with no start/stop system



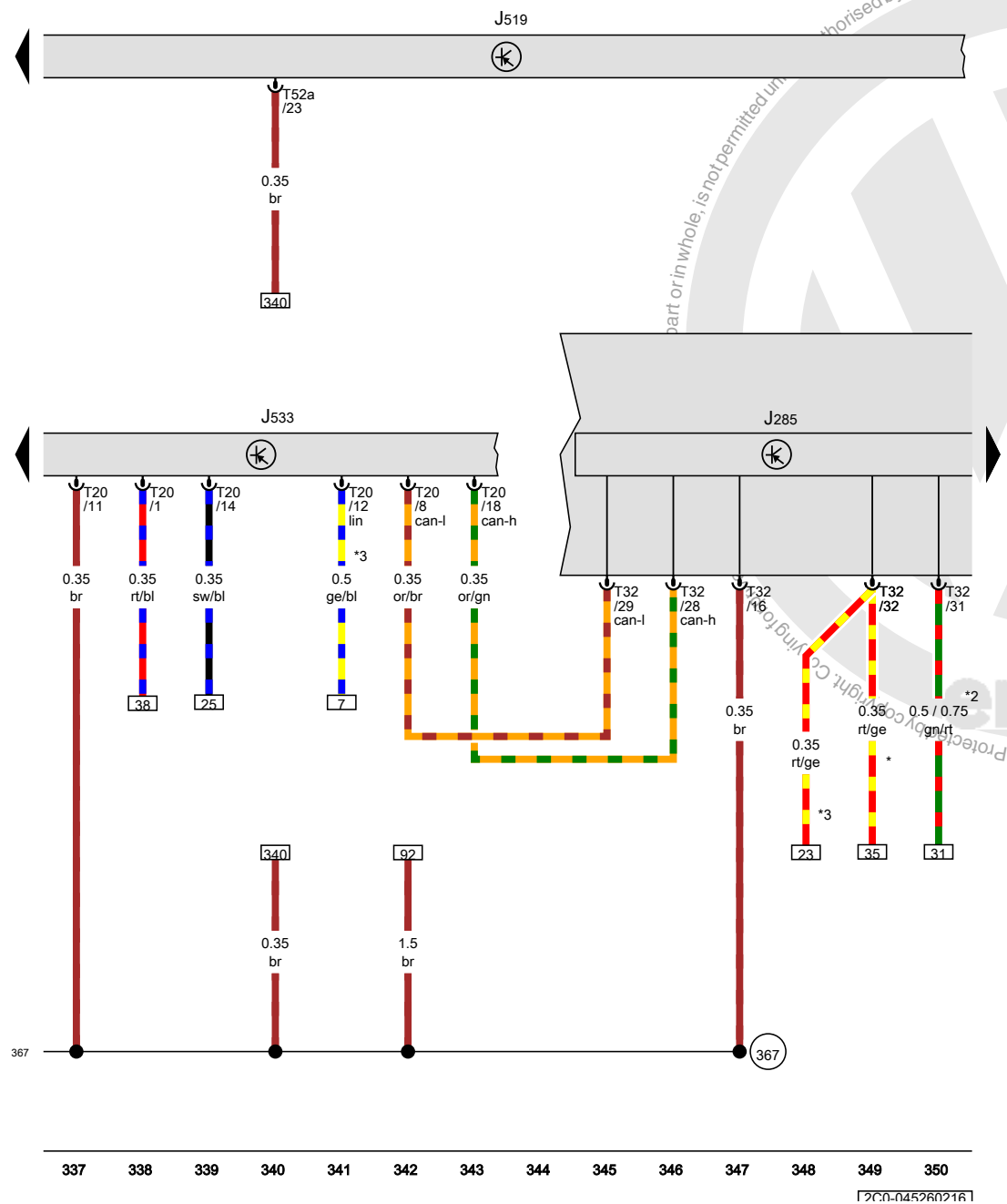
Onboard supply control unit, Data bus diagnostic interface, Diagnostic connection

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T20 20-pin connector, red
- T52c 52-pin connector, brown
- U31 Diagnostic connection

- (367) Earth connection 2, in main wiring harness
- (A178) Connection (infotainment CAN bus, high), in dash panel wiring harness
- (A179) Connection (infotainment CAN bus, low), 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
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness

Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

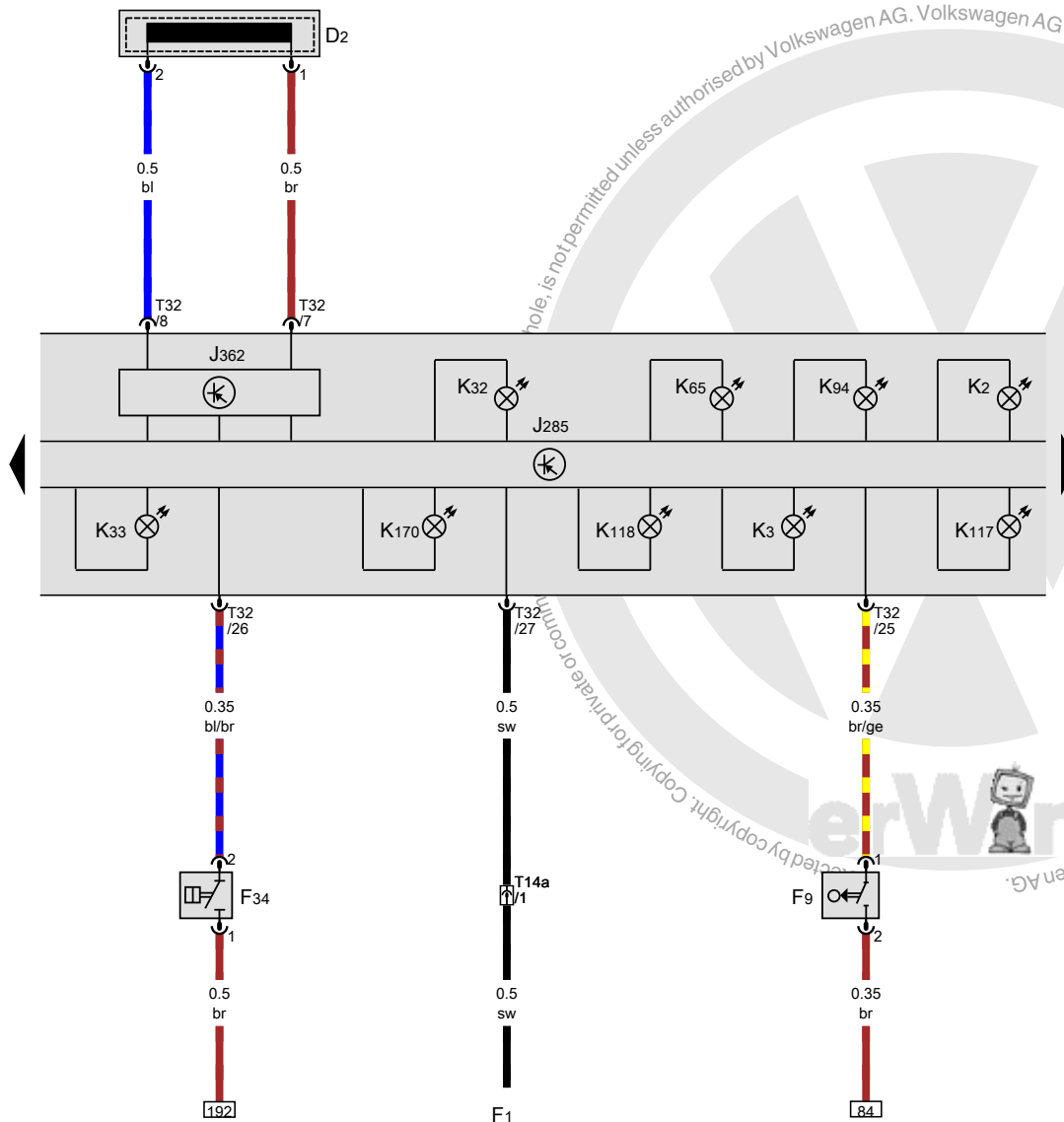
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52a 52-pin connector, black
- 367 Earth connection 2, in main wiring harness
- * Only models with no start/stop system
- *2 From May 2012
- *3 Only models with start/stop system



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Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Control unit in dash panel insert, Bulb failure warning lamp

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K32 Brake pad warning lamp
- K33 Brake fluid level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K117 Immobiliser warning lamp
- K118 Brake system warning lamp
- K170 Bulb failure warning lamp
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue



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- vi = purple
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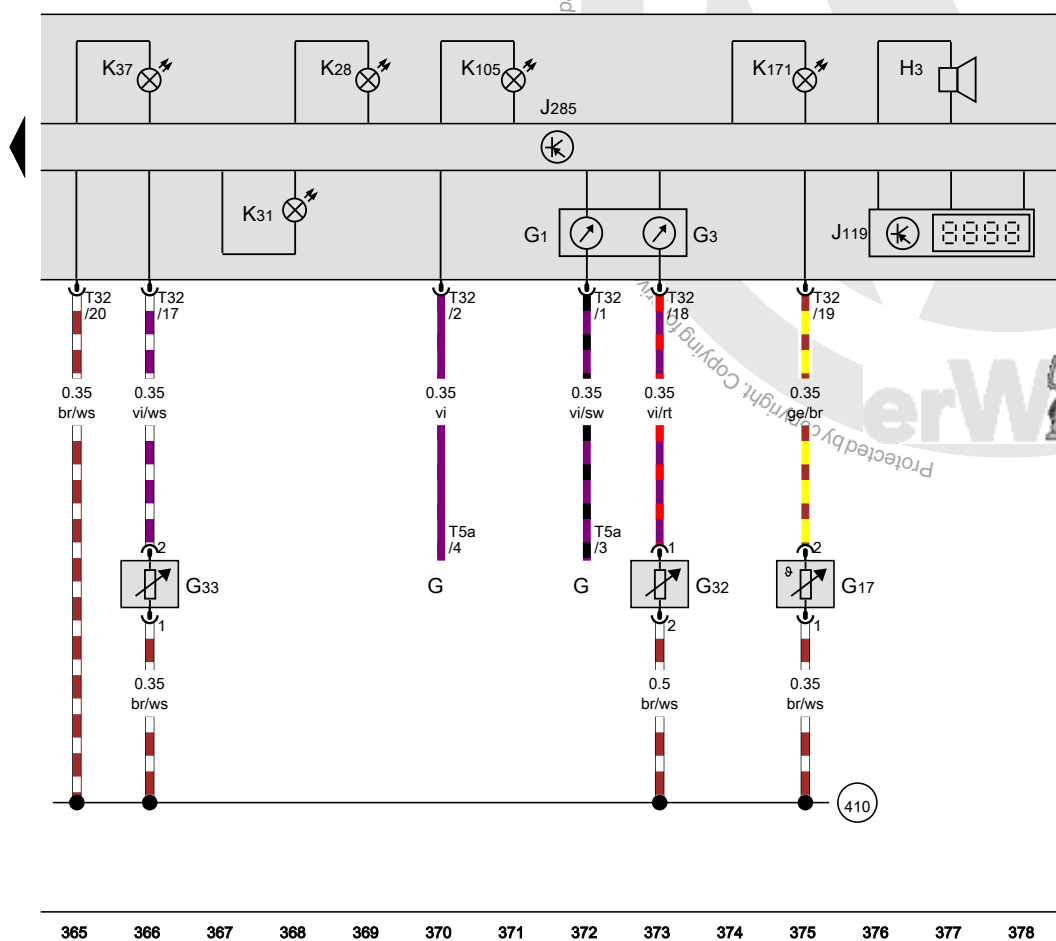
351 352 353 354 355 356 357 358 359 360 361 362 363 364

[700-045270216]

Fuel gauge, Coolant temperature gauge, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Multifunction indicator, Control unit in dash panel insert, Coolant temperature and coolant shortage warning lamp, Washer fluid level warning lamp, Reserve fuel warning lamp, Bonnet open warning lamp

- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K37 Washer fluid level warning lamp
- K105 Reserve fuel warning lamp
- K171 Bonnet open warning lamp
- T5a 5-pin connector, black
- T32 32-pin connector, blue

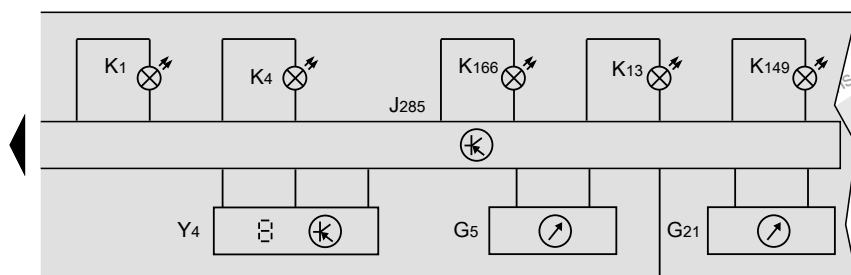
410 Earth connection 1 (sender earth) in main wiring harness



- ws = white
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Rev. counter, Speedometer, Control unit in dash panel insert, Main beam warning lamp, Side light warning lamp, Rear fog light warning lamp, Engine electronics warning lamp, Door open warning lamp, Trip counter

- G5 Rev. counter
- G21 Speedometer
- J285 Control unit in dash panel insert
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- K149 Engine electronics warning lamp
- K166 Door open warning lamp
- Y4 Trip counter
- * Output for speed signal



ws = white
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 ro = red
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 gr = grey
 li = purple
 vi = purple
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Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3

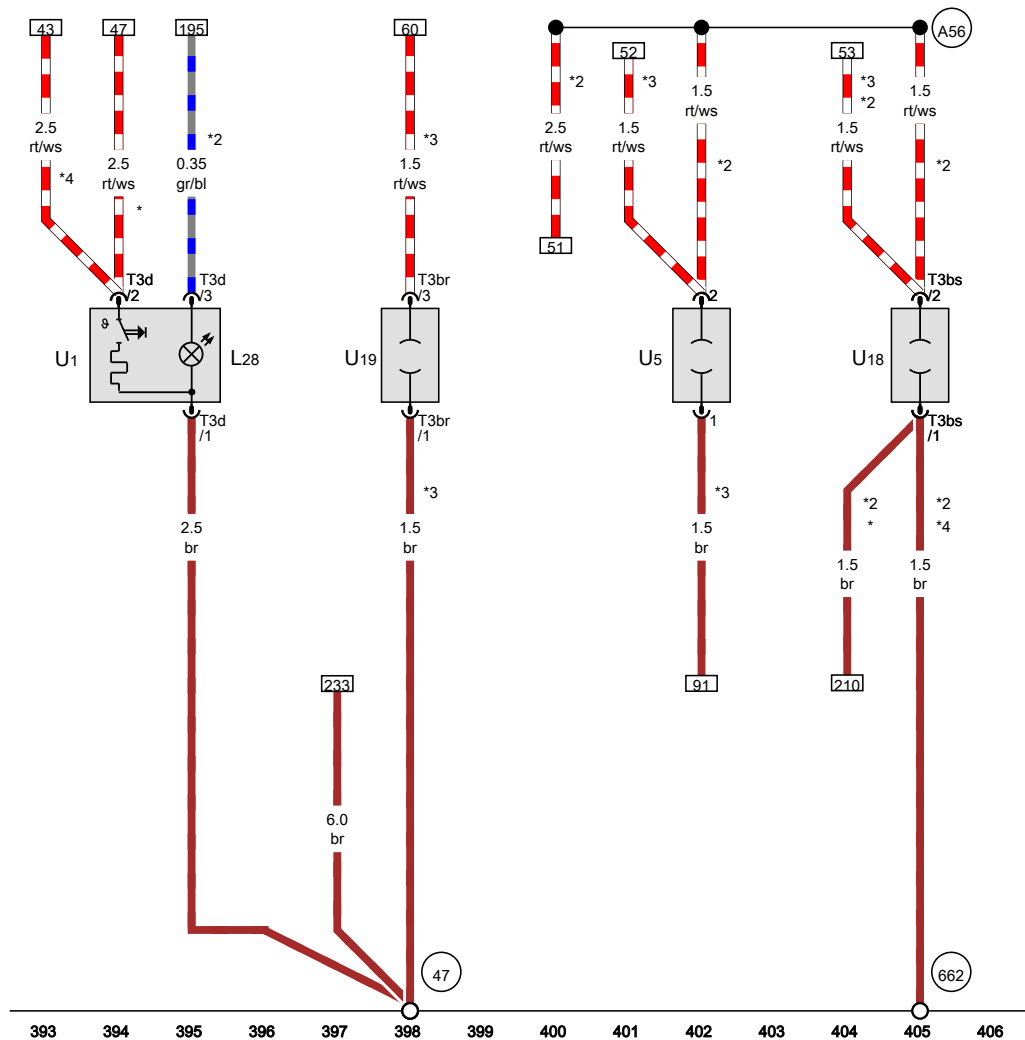
- L28 Cigarette lighter illumination bulb
- T3br 3-pin connector
- T3bs 3-pin connector
- T3d 3-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in rear centre console
- U18 12 V socket 2, in rear left side panel
- U19 12 V socket 3, in storage compartment

47 Earth point, in front right footwell

662 Earth point, rear left side panel

A56 Positive connection 2 (30), in dash panel wiring harness

- * Up to October 2012
- *2 According to equipment
- *3 Only models with 12 V socket
- *4 From November 2012



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Parking aid (PDC) with no park assist steering (Park Assist) , (2JG),(2JX)

From May 2012

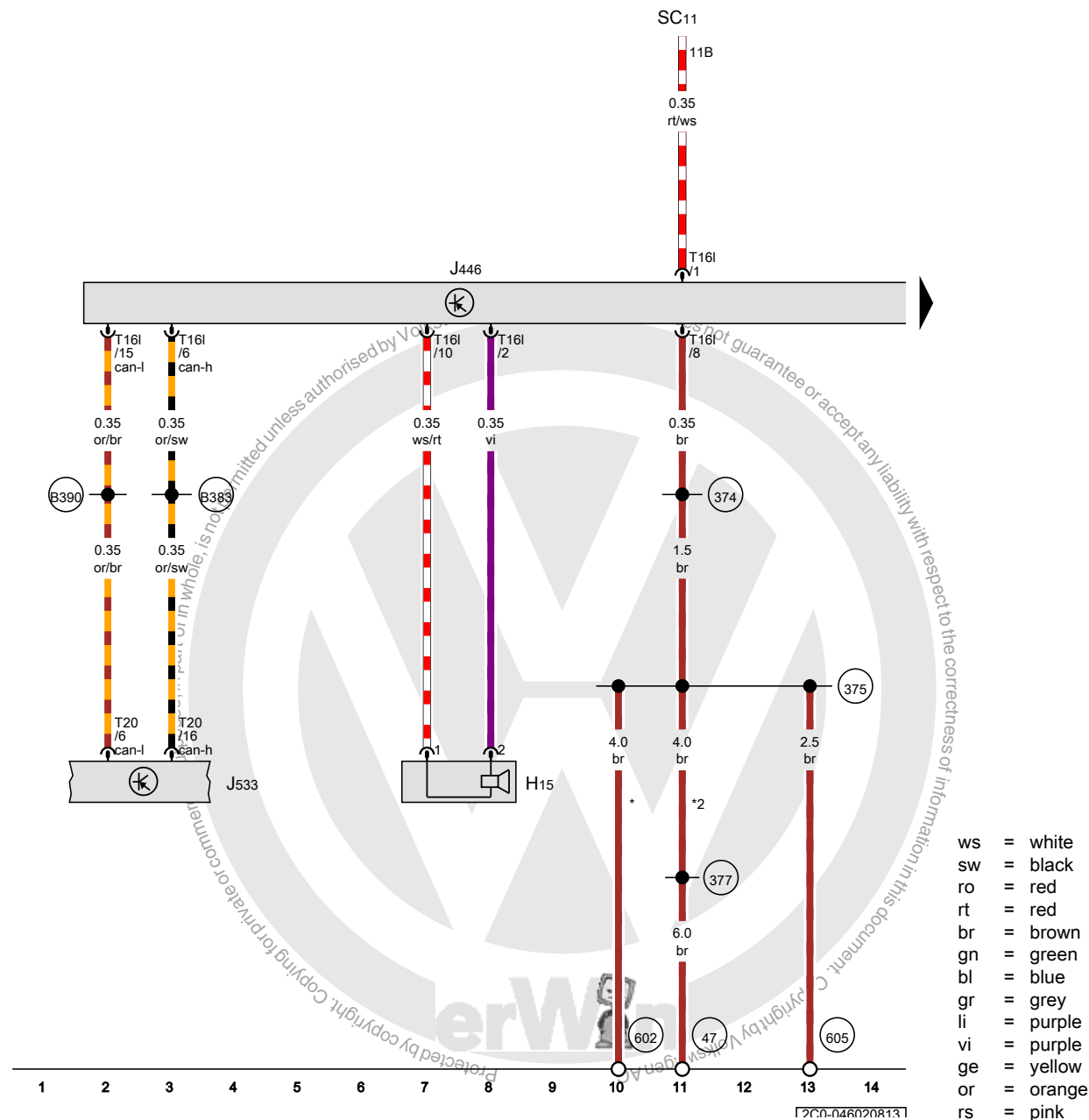


Rear parking aid warning buzzer, Parking aid control unit,
Data bus diagnostic interface

- H15 Rear parking aid warning buzzer, on left under dash panel
- J446 Parking aid control unit, on left under dash panel
- J533 Data bus diagnostic interface
- SC11 Fuse 11 on fuse holder C
- T16l 16-pin connector, brown
- T20 20-pin connector, red

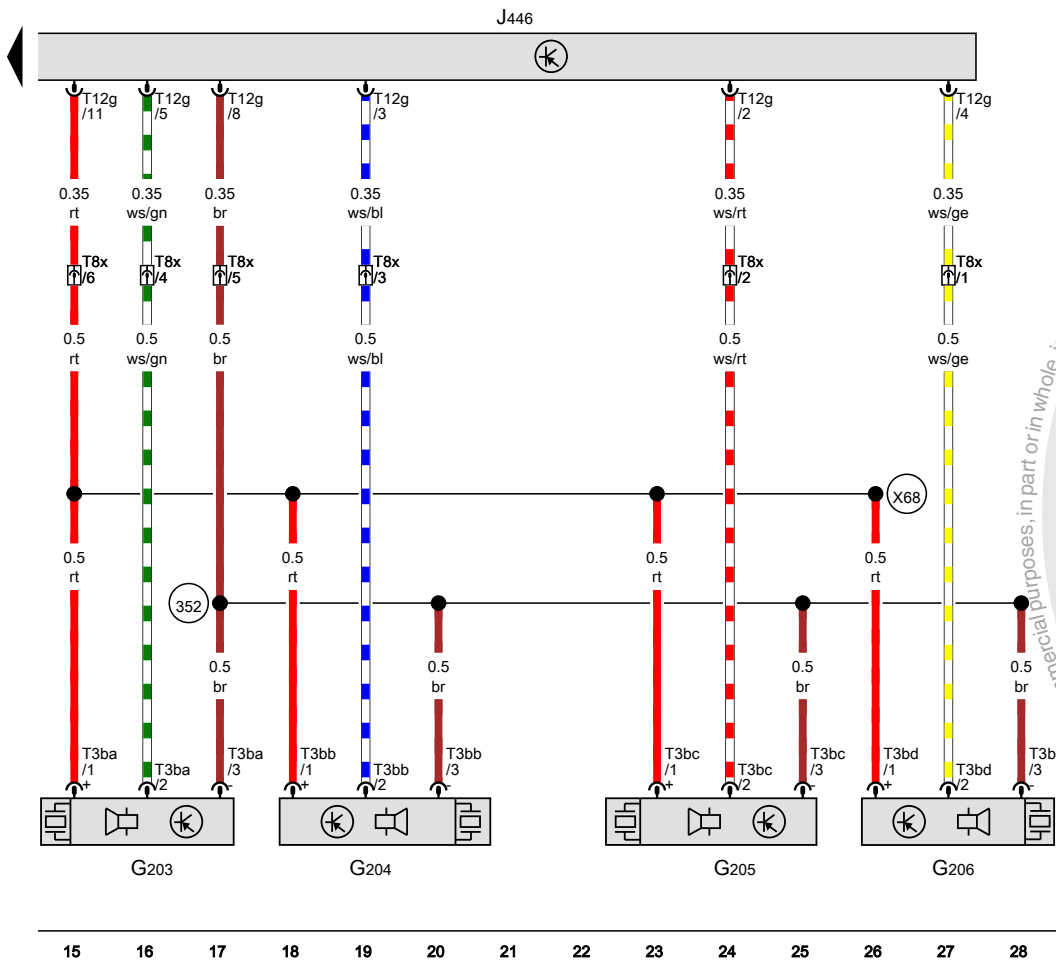
- (47) Earth point, in front right footwell
- (374) Earth connection 9, in main wiring harness
- (375) Earth connection 10, in main wiring harness
- (377) Earth connection 12, in main wiring harness
- (602) Earth point, in front left footwell
- (605) Earth point, on top end of steering column
- (B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
- (B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models



Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit

- 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, on left under dash panel
- T3ba 3-pin connector, black
- T3bb 3-pin connector, black
- T3bc 3-pin connector, black
- T3bd 3-pin connector, black
- T8x 8-pin connector, behind rear bumper on right, black
- T12g 12-pin connector, black
- 352 Earth connection (parking aid), in rear bumper wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness



ws = white
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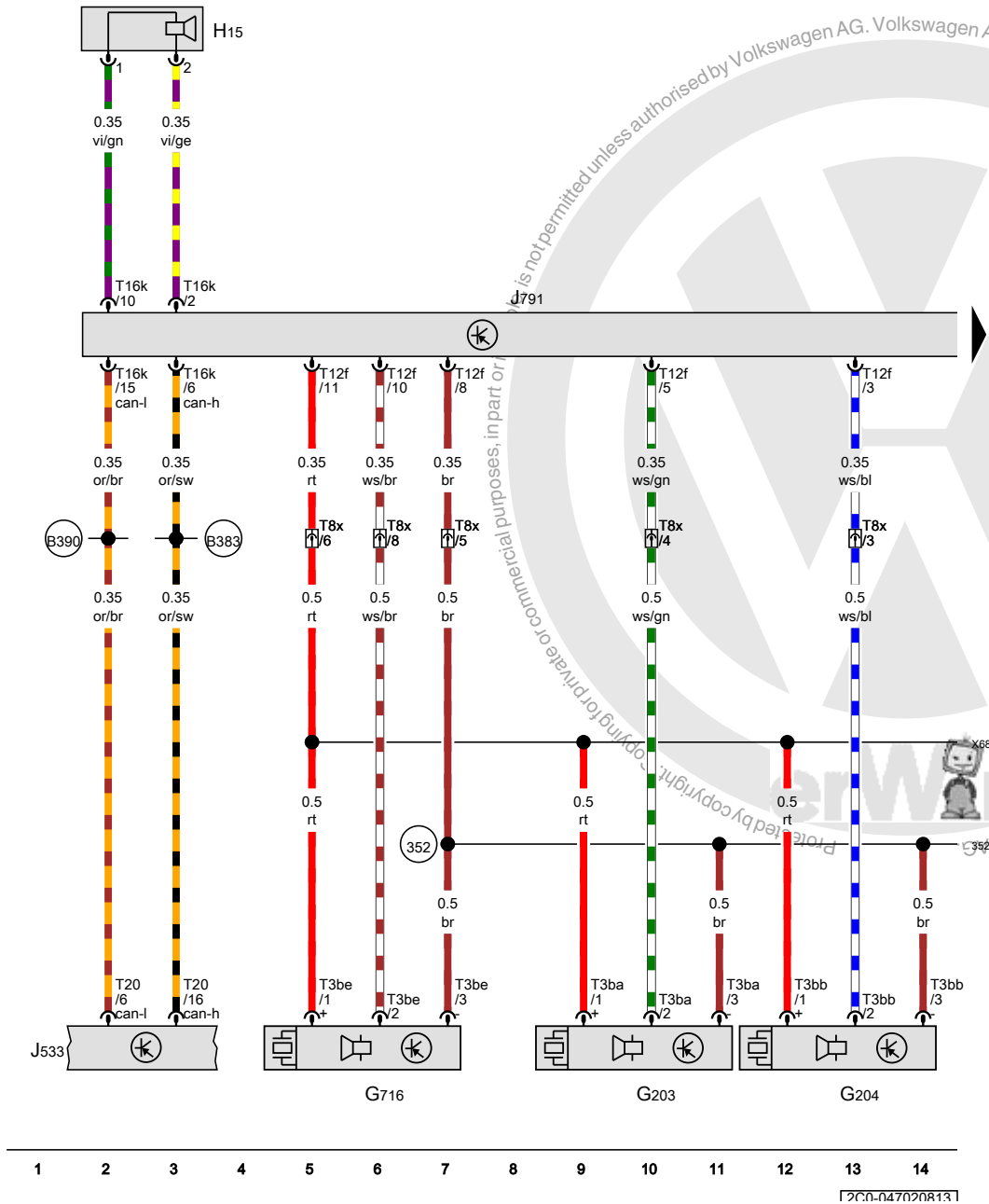
Parking aid (PDC) with park assist steering (Park Assist) , (7X5)

From May 2012



Rear left parking aid sender, Rear centre left parking aid sender, Rear left park assist steering sender, Rear parking aid warning buzzer, Data bus diagnostic interface, Park assist steering control unit

- G203 Rear left parking aid sender
- G204 Rear centre left parking aid sender
- G716 Rear left park assist steering sender
- H15 Rear parking aid warning buzzer, under roof, near left B-pillar
- J533 Data bus diagnostic interface
- J791 Park assist steering control unit, on left under dash panel
- T3ba 3-pin connector, black
- T3bb 3-pin connector, black
- T3be 3-pin connector, black
- T8x 8-pin connector, behind rear bumper on right, black
- T12f 12-pin connector, black
- T16k 16-pin connector, brown
- T20 20-pin connector, red
- 352 Earth connection (parking aid), in rear bumper wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- X68 Positive connection (parking aid), in rear bumper wiring harness

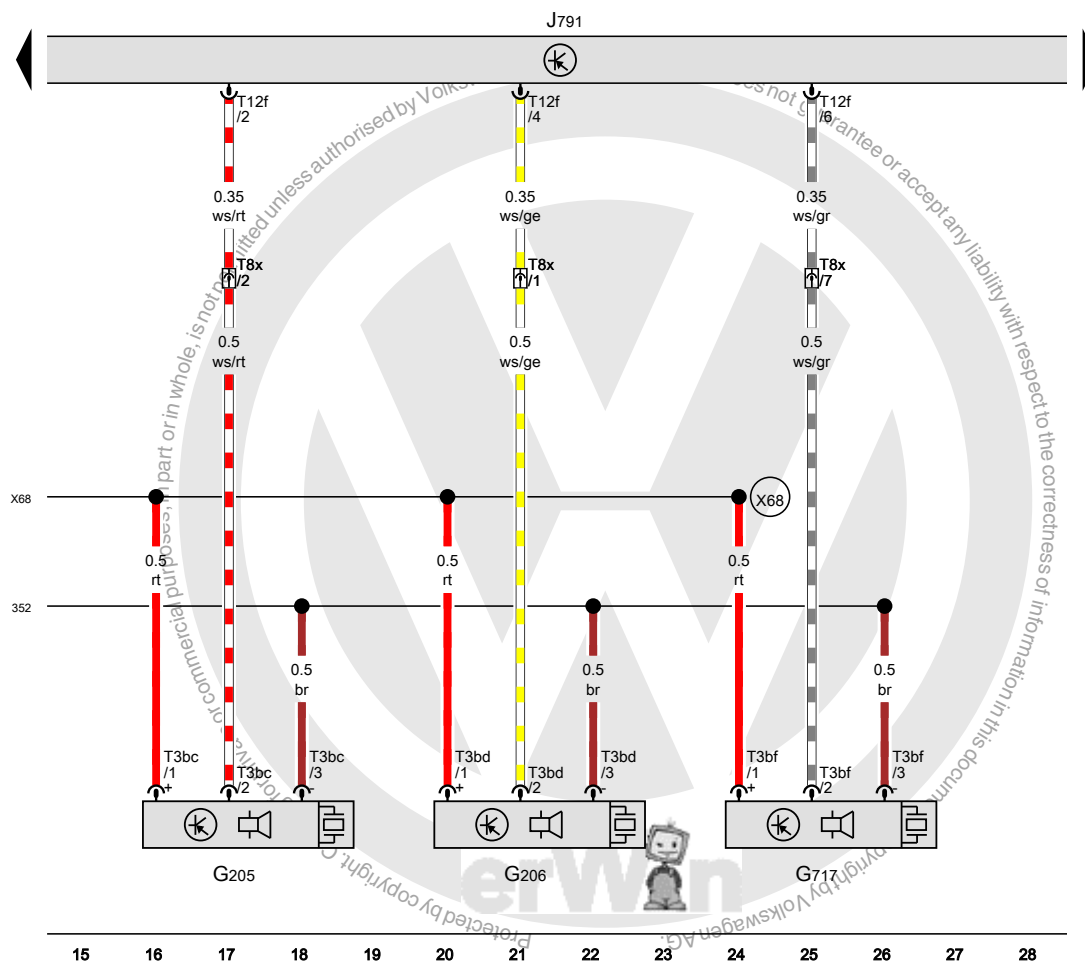


Rear centre right parking aid sender, Rear right parking aid sender, Rear right park assist steering sender, Park assist steering control unit

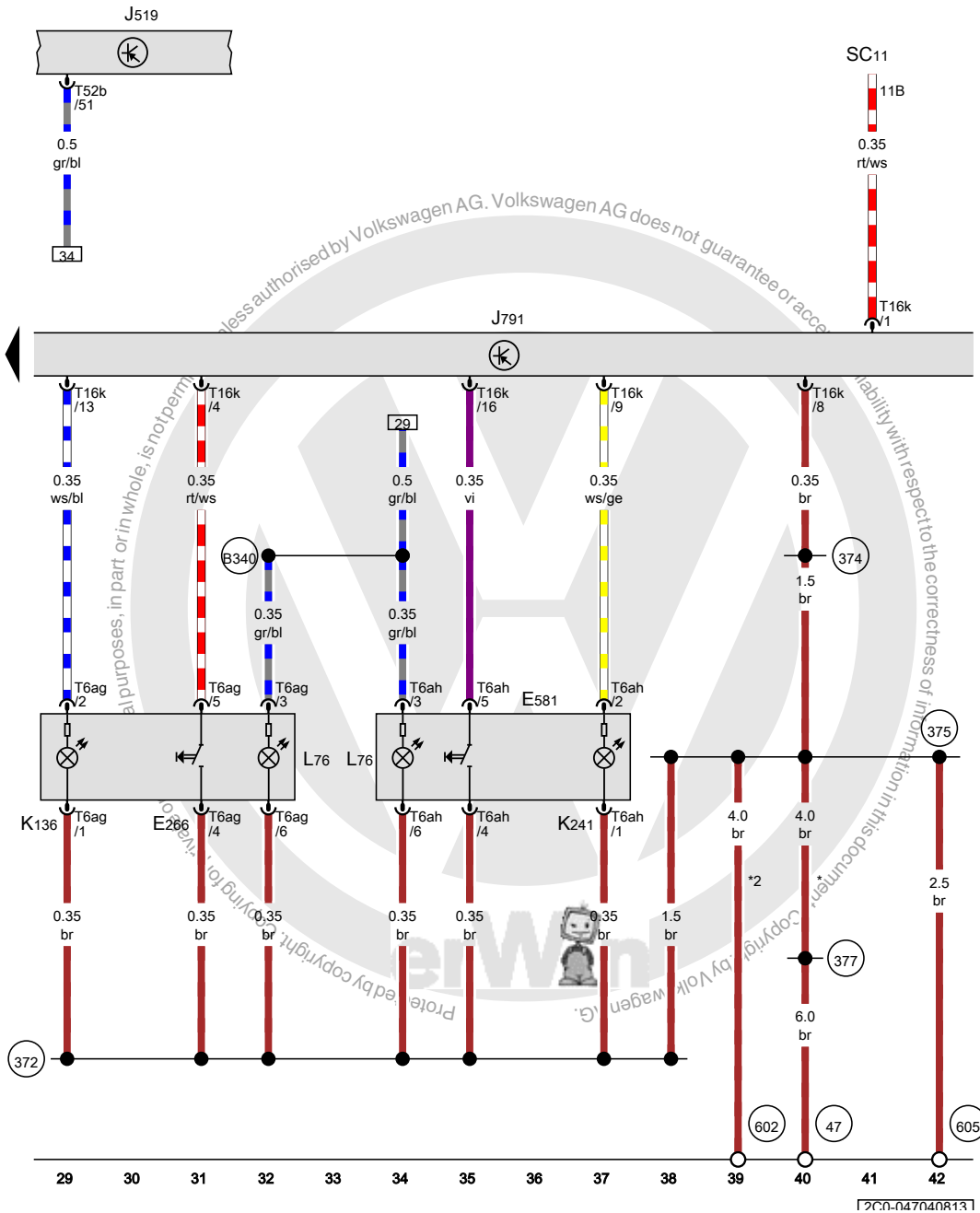
- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- G717 Rear right park assist steering sender
- J791 Park assist steering control unit, on left under dash panel
- T3bc 3-pin connector, black
- T3bd 3-pin connector, black
- T3bf 3-pin connector, black
- T8x 8-pin connector, behind rear bumper on right, black
- T12f 12-pin connector, black

352 Earth connection (parking aid), in rear bumper wiring harness

X68 Positive connection (parking aid), in rear bumper wiring harness



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- rs = pink



Parking aid button, Park assist steering button, Park assist steering control unit

- E266 Parking aid button
- E581 Park assist steering button
- J519 Onboard supply control unit
- J791 Park assist steering control unit, on left under dash panel
- K136 Parking aid warning lamp
- K241 Warning light for park assist steering
- L76 Button illumination bulb
- SC11 Fuse 11 on fuse holder C
- T6ag 6-pin connector, brown
- T6ah 6-pin connector, grey
- T16k 16-pin connector, brown
- T52b 52-pin connector, white

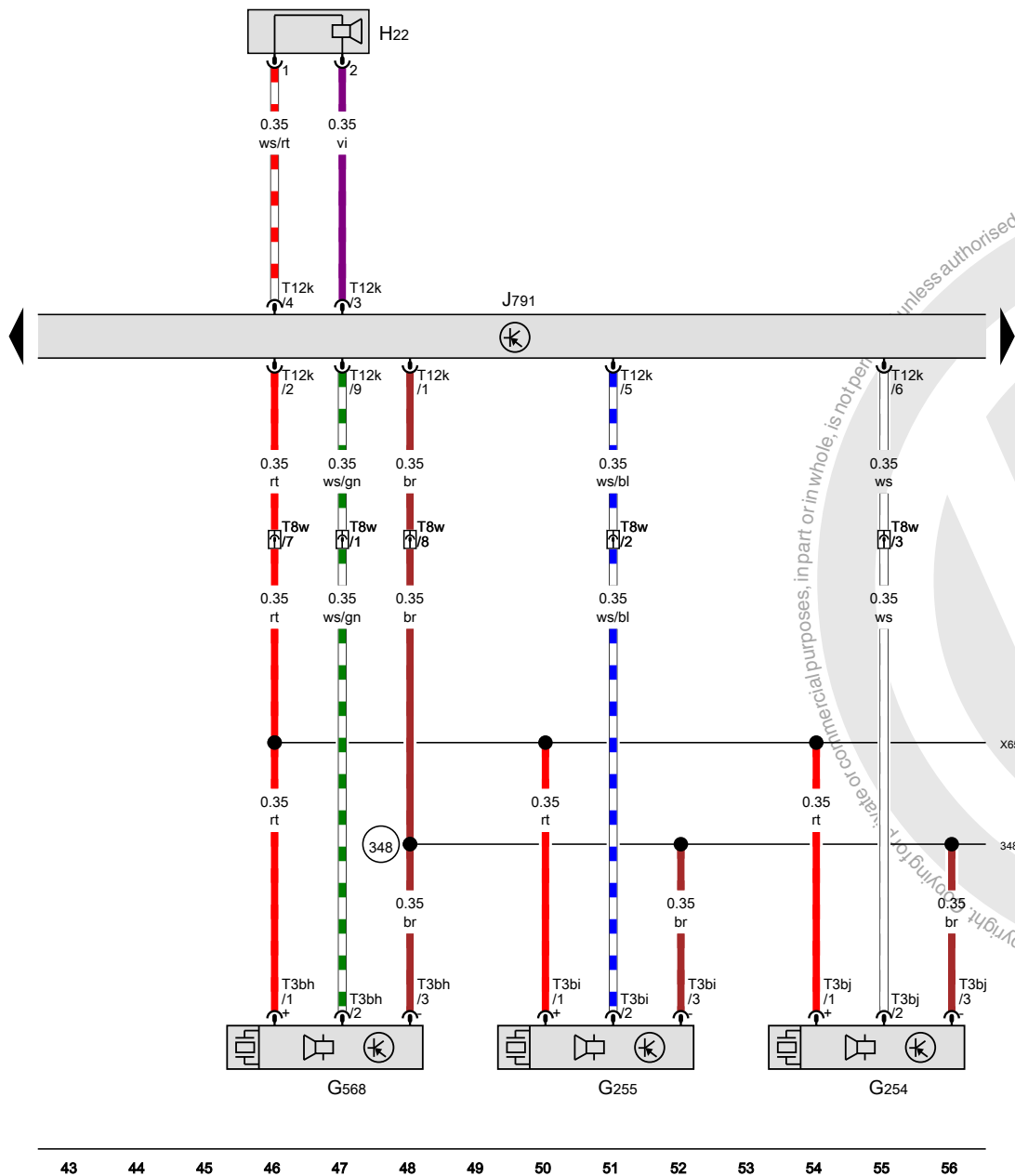
- 47 Earth point, in front right footwell
- 372 Earth connection 7, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B340 Connection 1 (58d), in main wiring harness

- * Only right-hand drive models
- *2 Only left-hand drive models

Front centre left parking aid sender, Front left parking aid sender, Front left sender for park assist steering on left side of vehicle, Front parking aid warning buzzer, Park assist steering control unit

- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- G568 Front left sender for park assist steering on left side of vehicle
- H22 Front parking aid warning buzzer, on left under dash panel
- J791 Park assist steering control unit, on left under dash panel
- T3bh 3-pin connector, black
- T3bi 3-pin connector, black
- T3bj 3-pin connector, black
- T8w 8-pin connector, near left headlight, black
- T12k 12-pin connector, brown

- 348 Earth connection (parking aid), in front bumper wiring harness
- X65 Connection (parking aid), in front bumper wiring harness



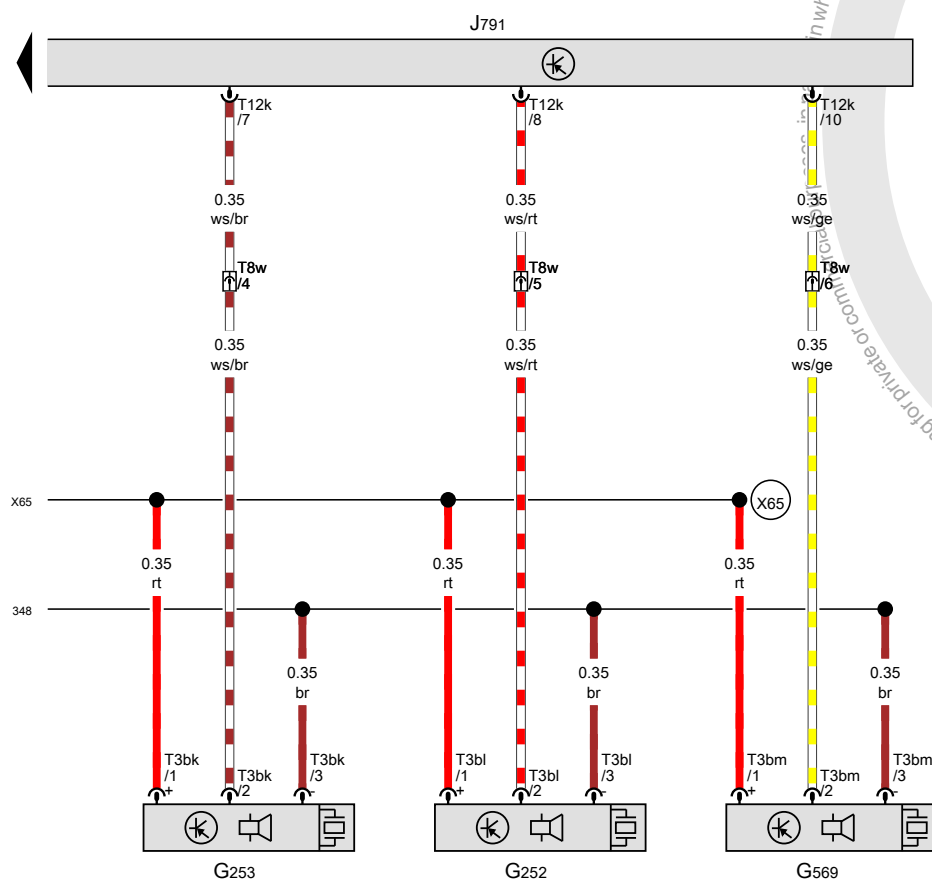
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Front right parking aid sender, Front centre right parking aid sender, Front right sender for park assist steering on right side of vehicle, Park assist steering control unit

- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G569 Front right sender for park assist steering on right side of vehicle
- J791 Park assist steering control unit, on left under dash panel
- T3bk 3-pin connector, black
- T3bl 3-pin connector, black
- T3bm 3-pin connector, black
- T8w 8-pin connector, near left headlight, black
- T12k 12-pin connector, brown

348 Earth connection (parking aid), in front bumper wiring harness

X65 Connection (parking aid), in front bumper wiring harness



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57 58 59 60 61 62 63 64 65 66 67 68 69 70

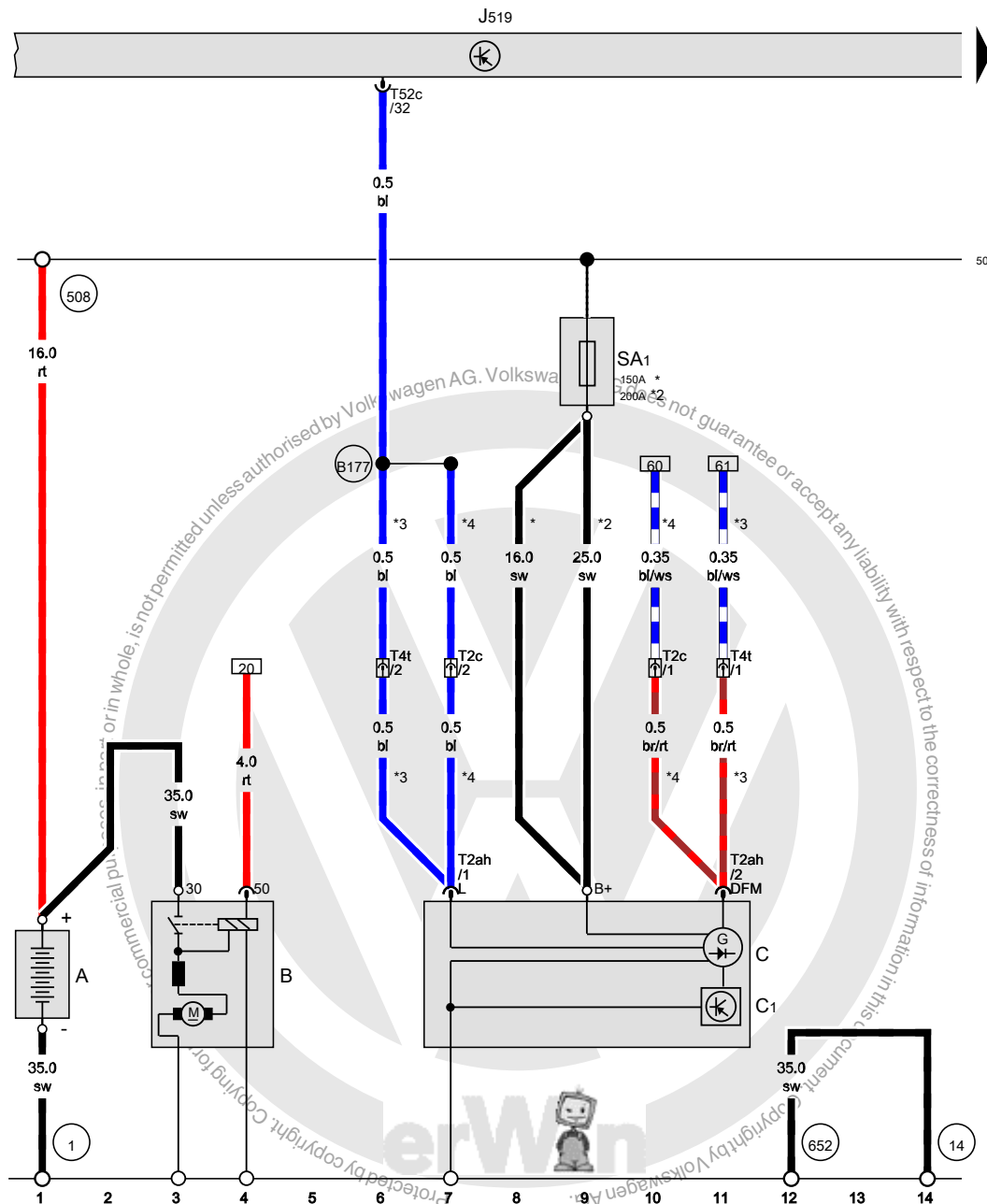
17C0-047060R13

1.2l petrol engine , CBZA, CBZB

From November 2011

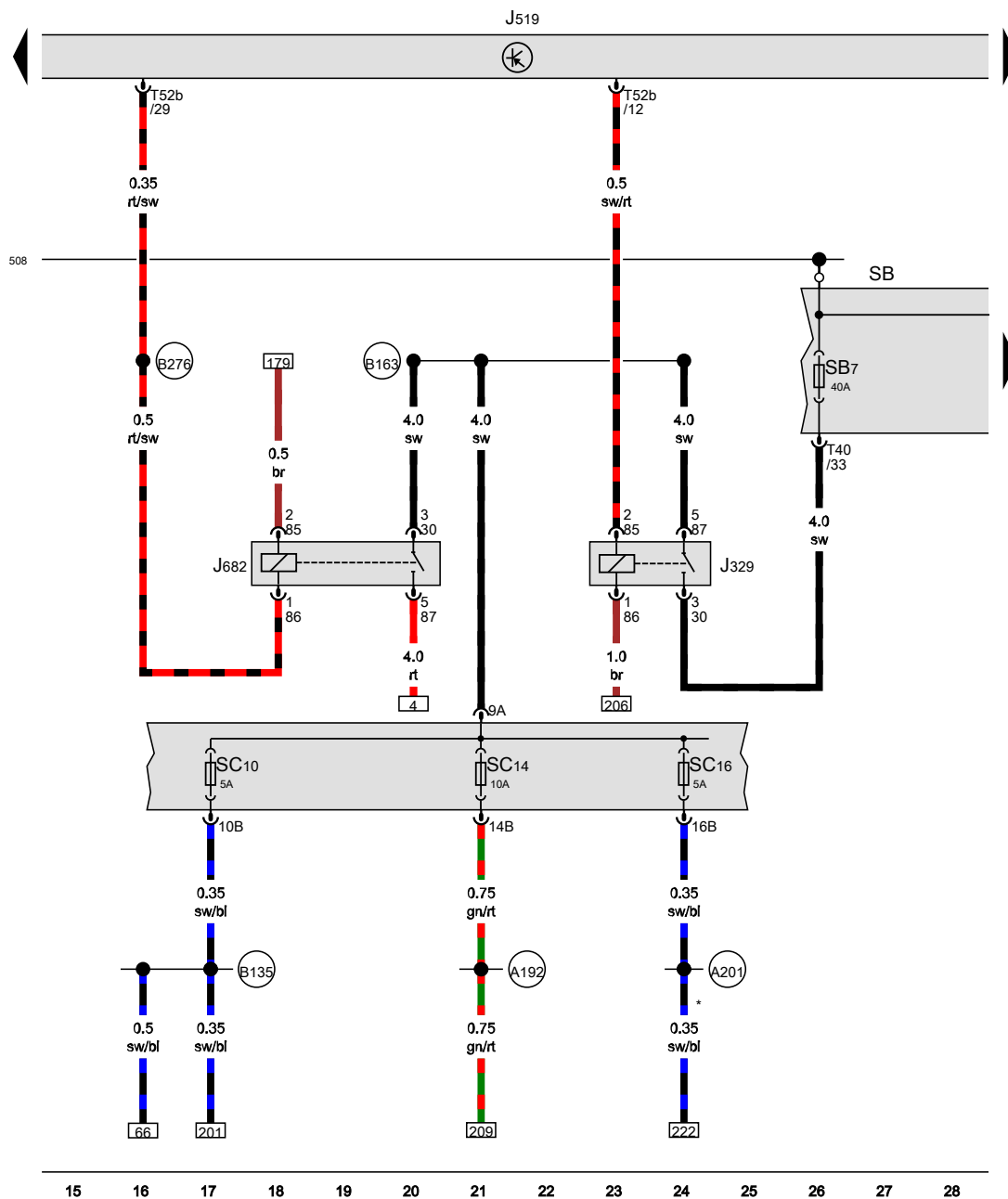


**Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A**



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system

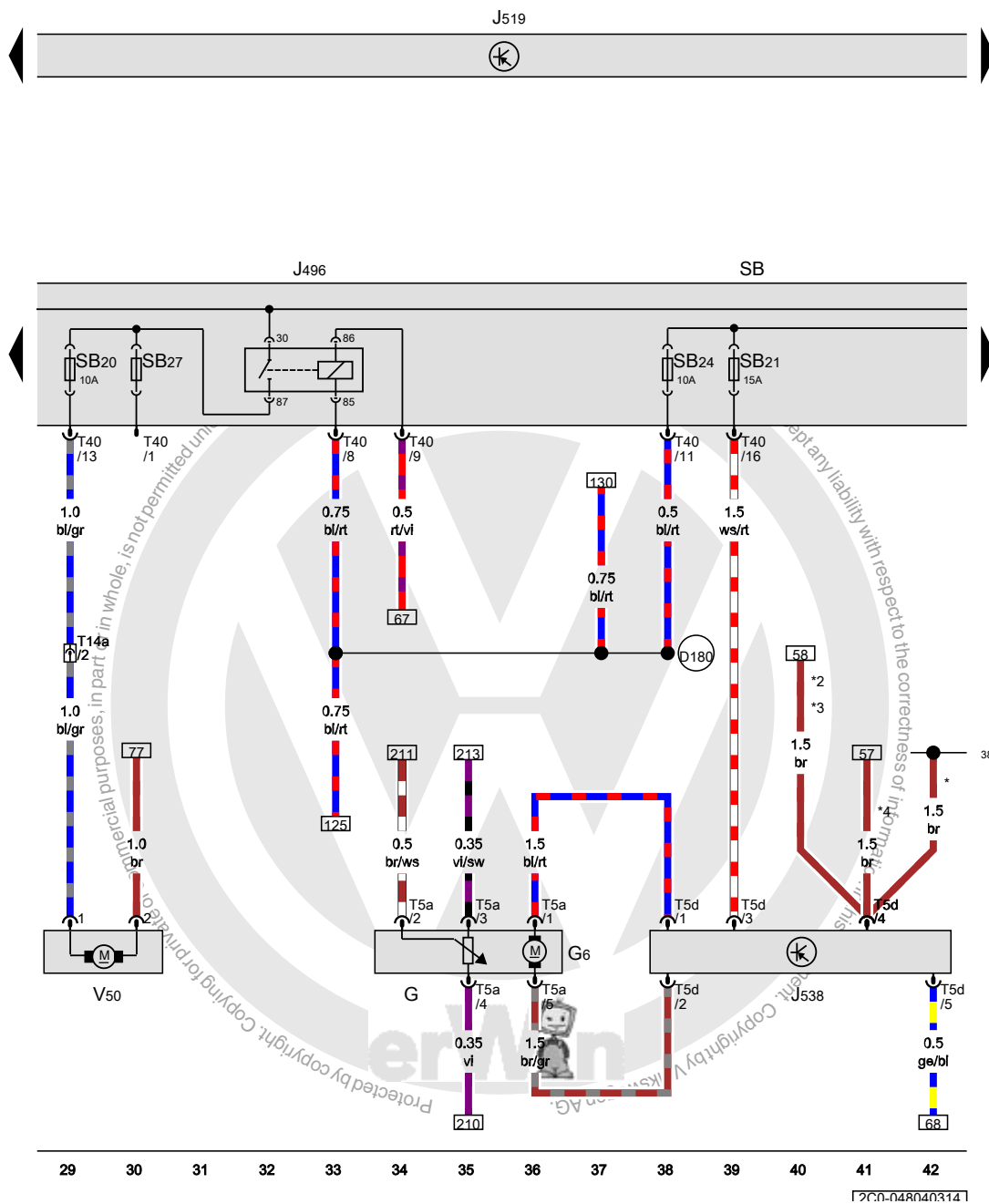
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 rt = red
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 gn = green
 bl = blue
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 or = orange
 rs = pink



Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white
- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- * Only models with flexible service interval display

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 gr = grey
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Fuel gauge sender, Fuel system pressurisation pump, Additional coolant pump relay, Onboard supply control unit, Fuel pump control unit, Fuse holder B, Coolant circulation pump

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J496 Additional coolant pump relay
- J519 Onboard supply control unit
- J538 Fuel pump control unit
- SB Fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T5a 5-pin connector, black
- T5d 5-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- V50 Coolant circulation pump

383 Earth connection 18, in main wiring harness

D180 Connection (87a), in engine compartment wiring harness

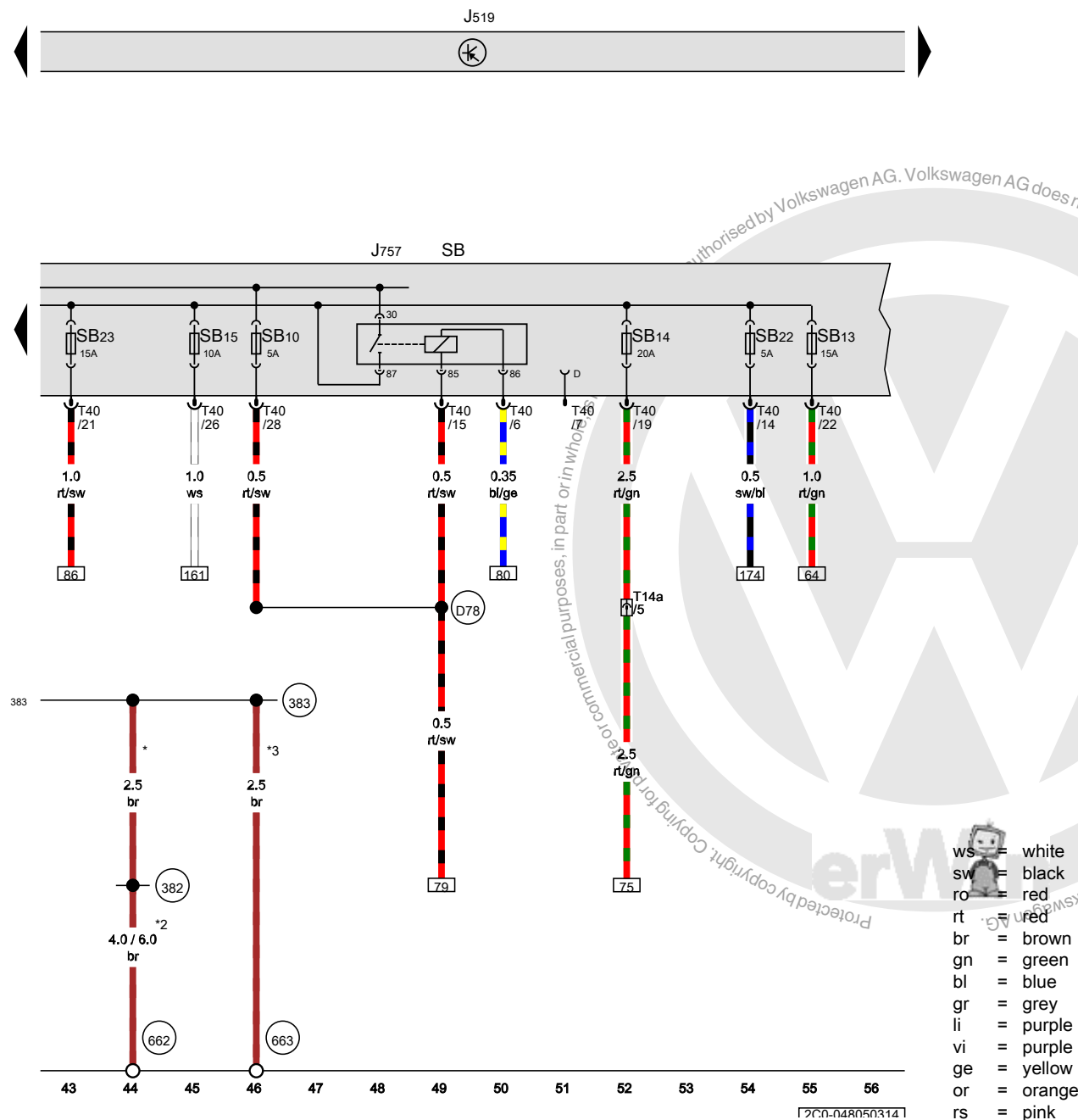
- * Up to April 2012
- *2 From May 2012
- *3 Up to October 2012
- *4 From November 2012

- ws = white
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Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Only models with basic equipment
- *2 According to equipment
- *3 Optional equipment



Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T94 94-pin connector

131 Earth connection 2, in engine compartment wiring harness

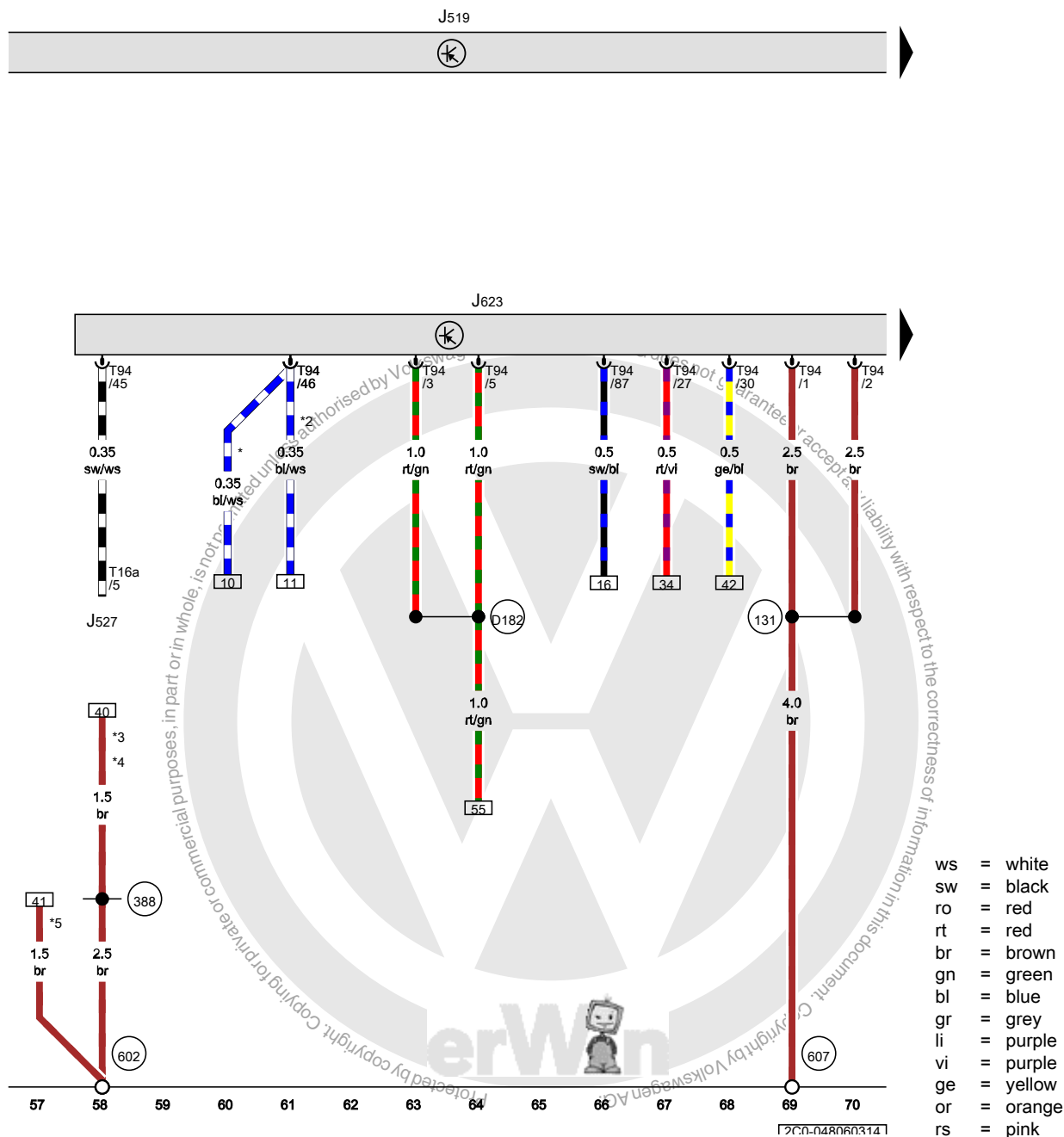
388 Earth connection 23, in main wiring harness

602 Earth point, in front left footwell

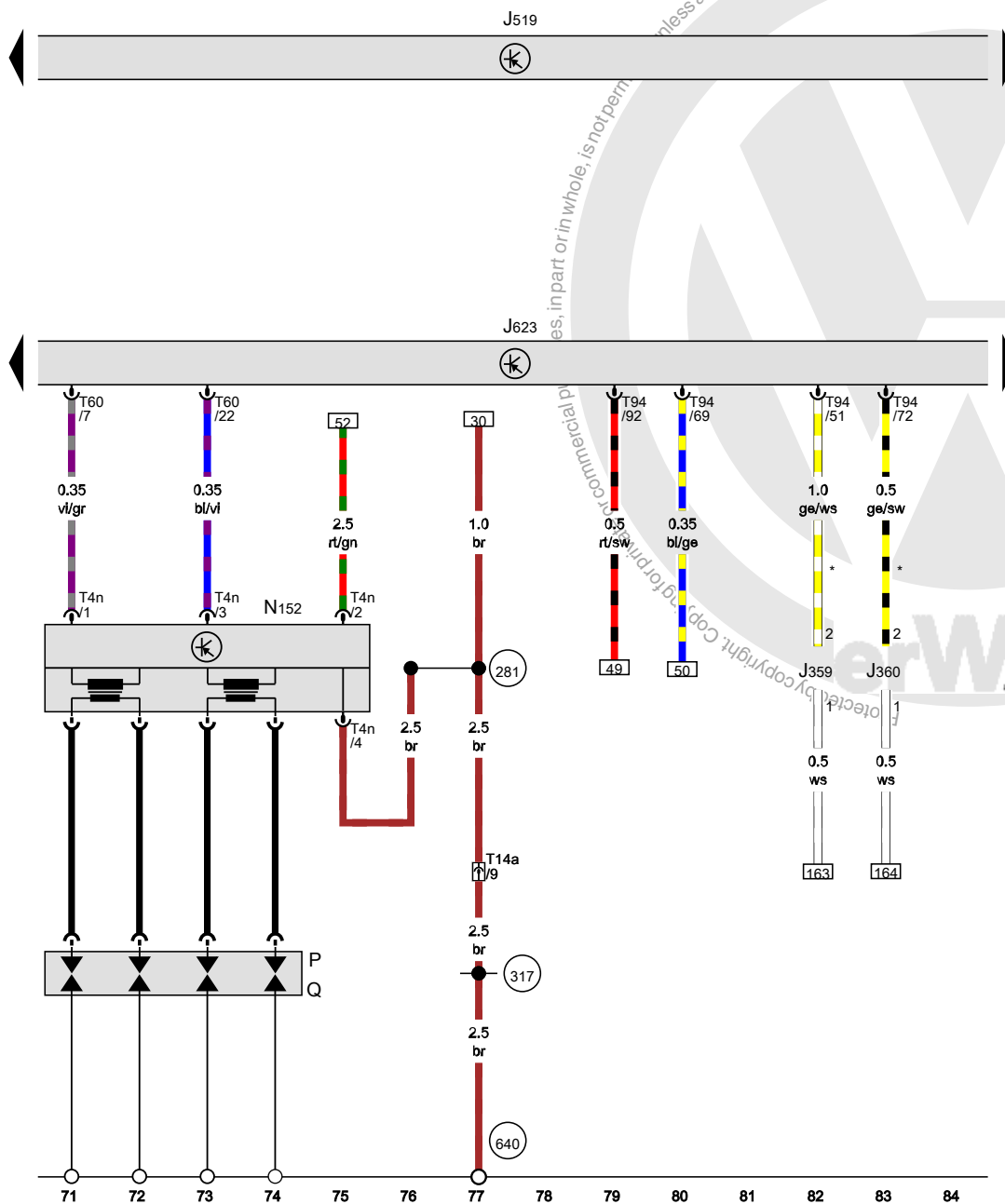
607 Earth point, on left in plenum chamber

D182 Connection 3 (87a) in engine compartment wiring harness

- * Only models with no air conditioning system
- *2 Only models with air conditioning system
- *3 From May 2012
- *4 Up to October 2012
- *5 From November 2012



Onboard supply control unit, Engine control unit, Ignition transformer, Spark plugs

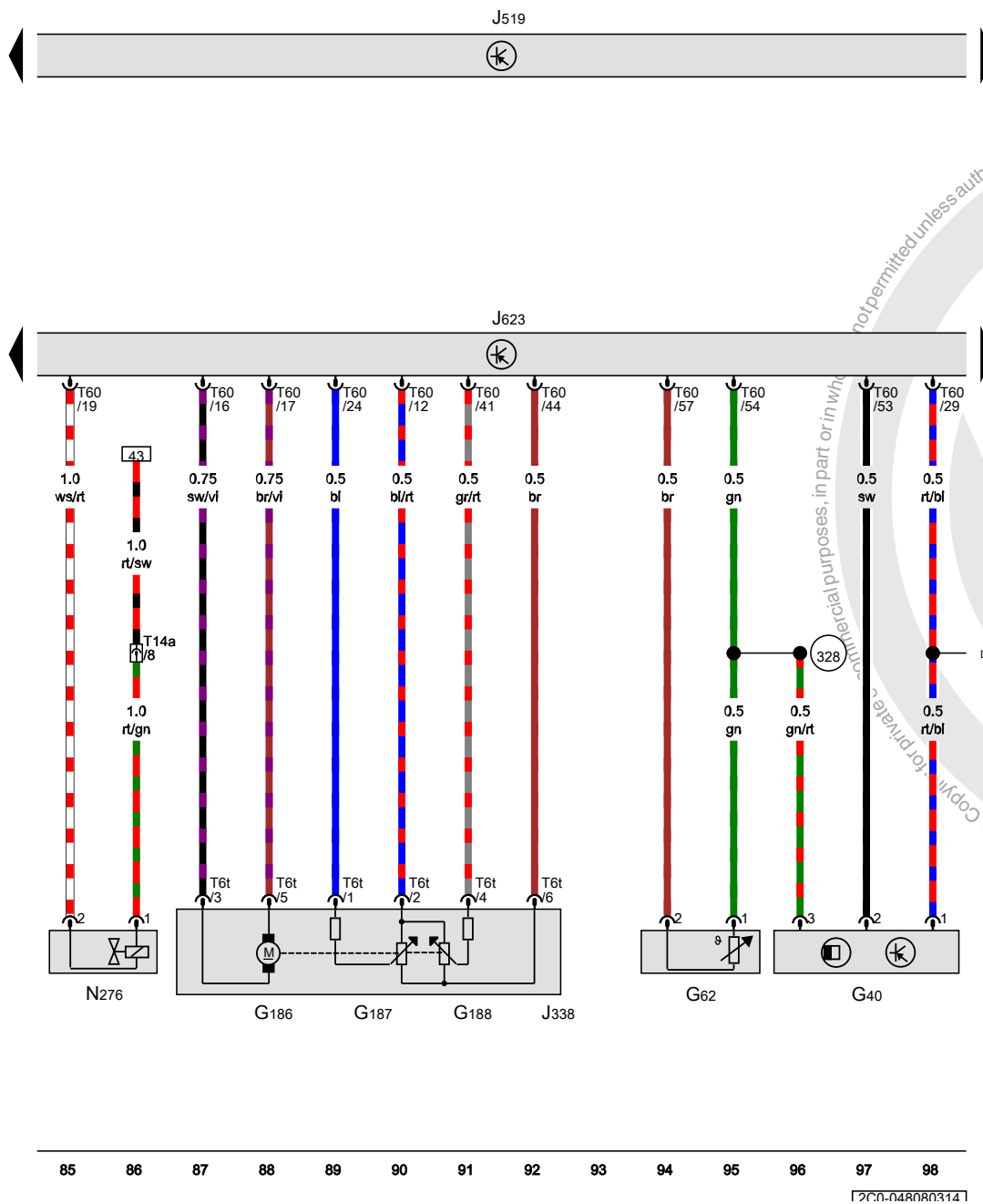


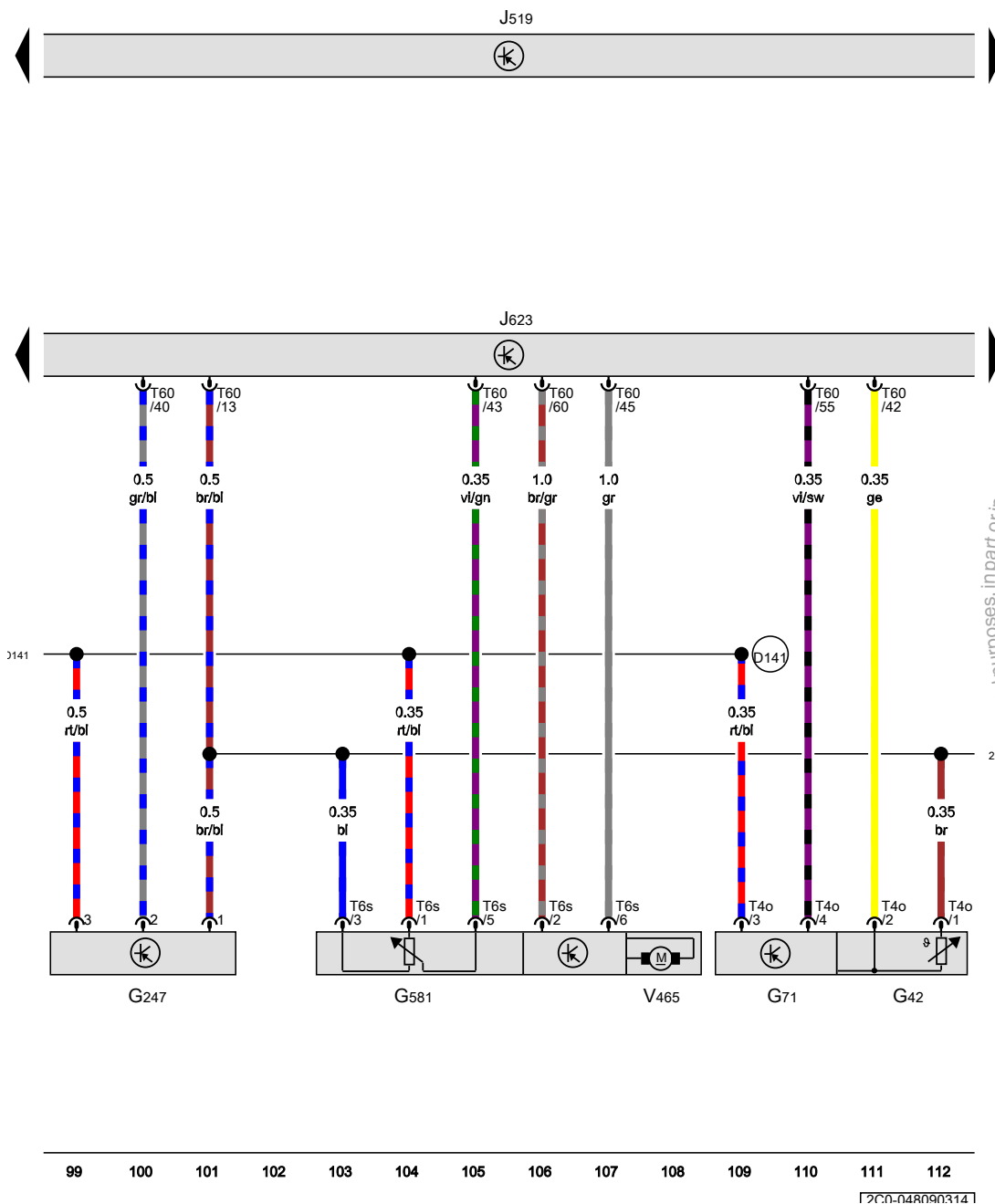
- J359 Low heat output relay
- J360 High heat output relay
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- T94 94-pin connector
- 281 Earth point 1, engine prewiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- * Only models with auxiliary air heater

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 vi = purple
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 or = orange
 rs = pink

Hall sender, Coolant temperature sender, Throttle valve module, Onboard supply control unit, Engine control unit, Fuel pressure regulating valve

- G40 Hall sender
- G62 Coolant temperature sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N276 Fuel pressure regulating valve
- T6t 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- 328 Earth connection 2 (sender earth), in engine compartment wiring harness
- D141 Connection (5V) in engine prewiring harness

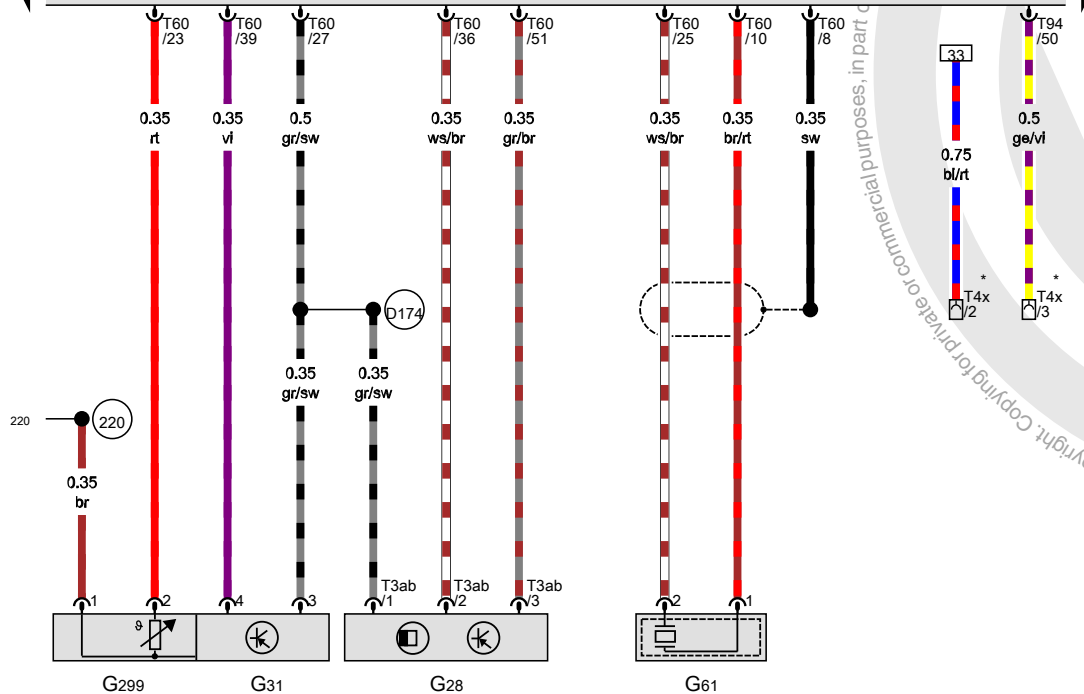
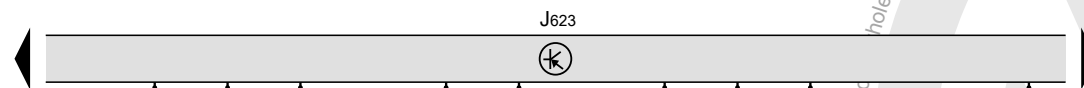
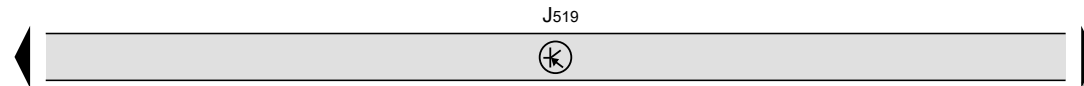




Intake air temperature sender, Intake manifold pressure sender, Fuel pressure sender, Position sender for charge pressure positioner, Onboard supply control unit, Engine control unit, Charge pressure positioner

- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4o 4-pin connector, black
- T6s 6-pin connector, grey
- T60 60-pin connector
- V465 Charge pressure positioner

- 220 Earth connection (sender earth), in engine wiring harness
- D141 Connection (5V) in engine prewiring harness



Engine speed sender, Charge pressure sender, Knock sensor 1, Intake air temperature sender 2, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G31 Charge pressure sender
- G61 Knock sensor 1
- G299 Intake air temperature sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, black
- T4x 4-pin connector, on radiator fan, bottom left, black
- T60 60-pin connector
- T94 94-pin connector

- 220 Earth connection (sender earth) in engine wiring harness
- D174 Connection 2 (5V) in engine prewiring harness
- * Radiator fan connection

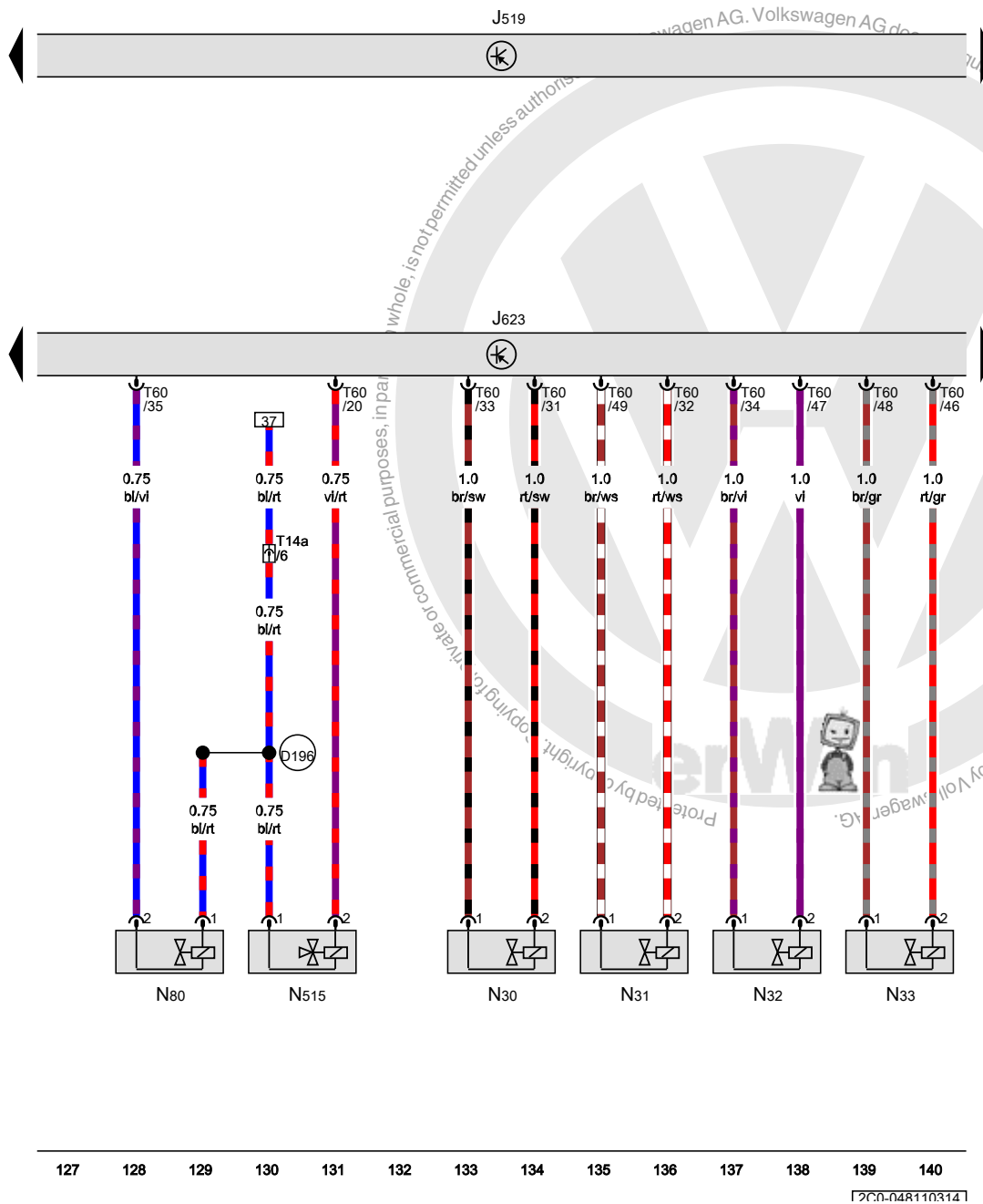
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113 114 115 116 117 118 119 120 121 122 123 124 125 126

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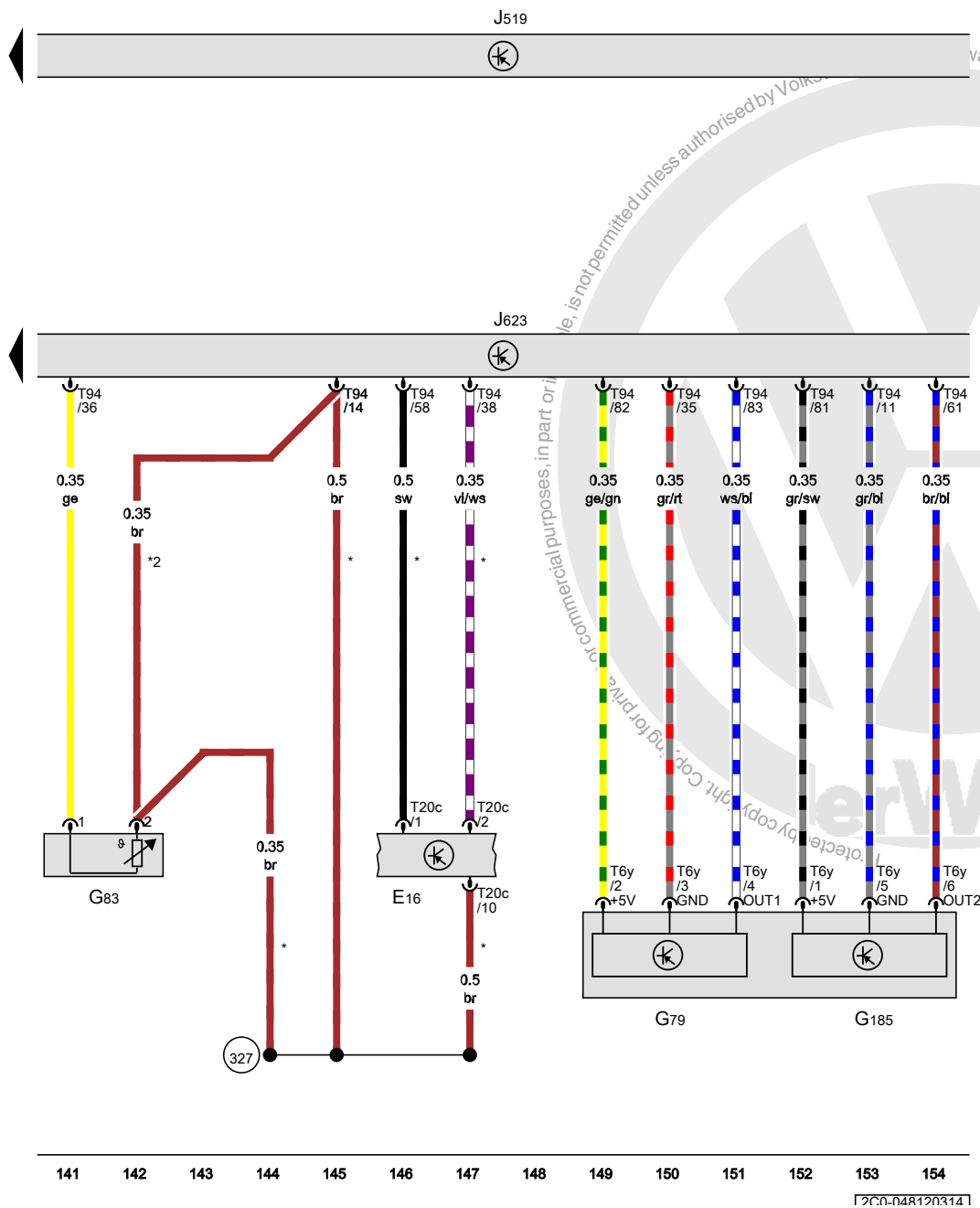
Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Activated charcoal filter solenoid valve 1, Coolant regulating valve

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N80 Activated charcoal filter solenoid valve 1
- N515 Coolant regulating valve
- T14a 14-pin connector, near left headlight, black
- T60 60-pin connector
- D196 Connection 2 (87a) in engine prewiring harness



Accelerator position sender, Radiator outlet coolant temperature sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit

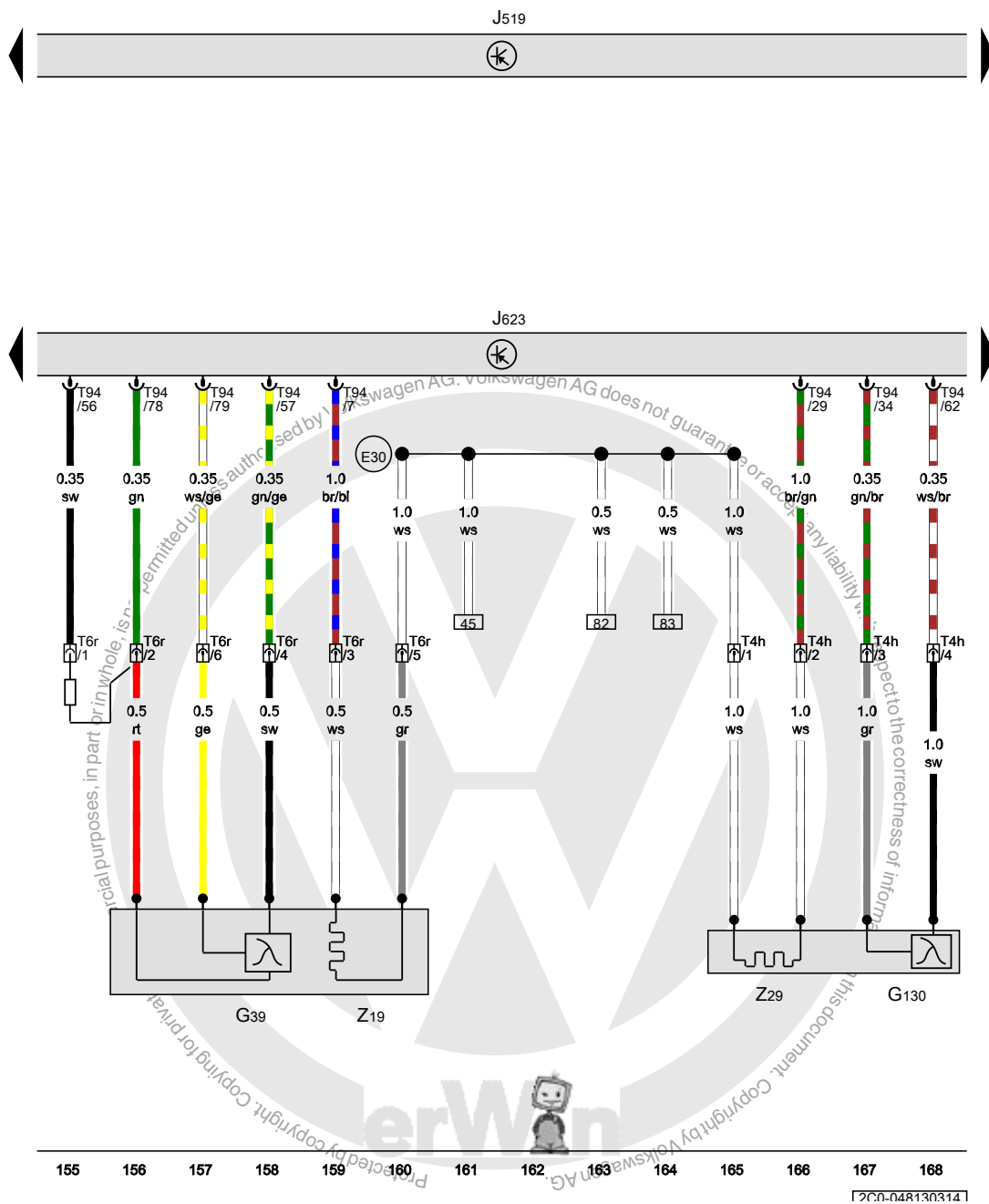
- E16 Heater/heat output switch
- G79 Accelerator position sender
- G83 Radiator outlet coolant temperature sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T6y 6-pin connector, black
- T20c 20-pin connector, black
- T94 94-pin connector
- 327 Earth connection (sender earth), in engine compartment wiring harness
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T94 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

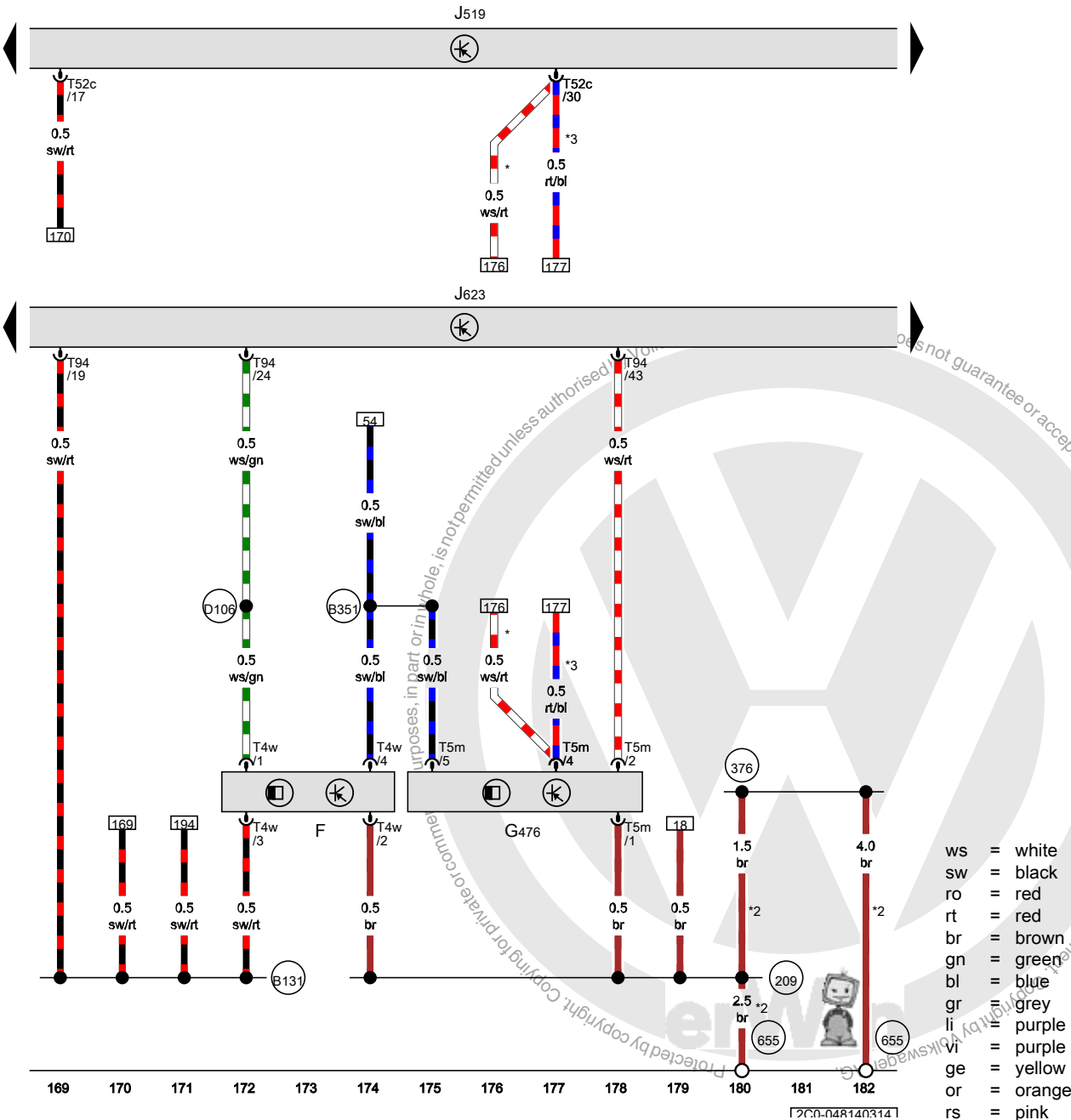
E30 Connection (87a), in engine wiring harness



- ws = white
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- gn = green
- bl = blue
- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

Brake light switch, Clutch position sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G476 Clutch position sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T5m 5-pin connector, black
- T52c 52-pin connector, brown
- T94 94-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- * Only left-hand drive models
- *2 Up to April 2012
- *3 Only right-hand drive models

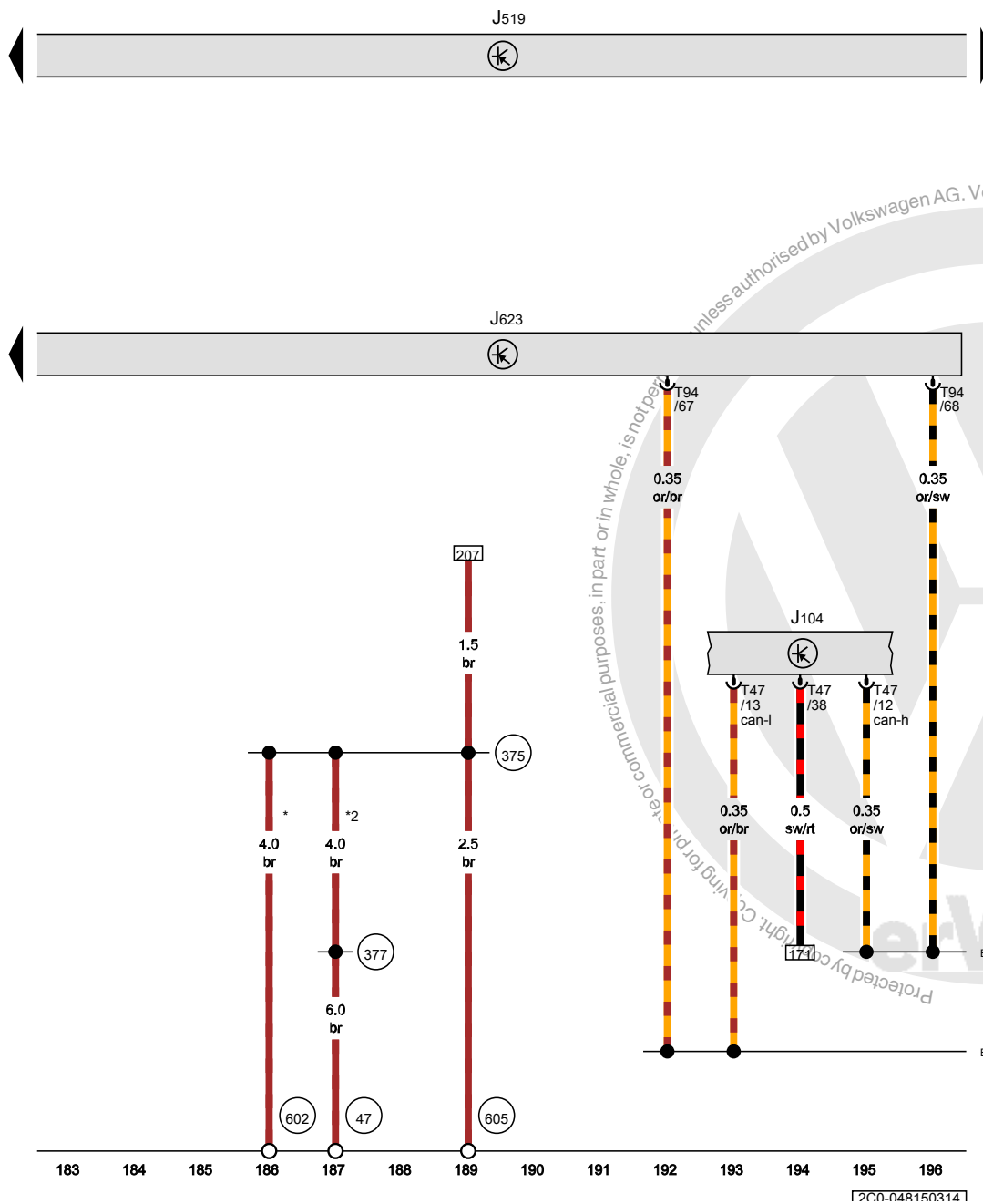


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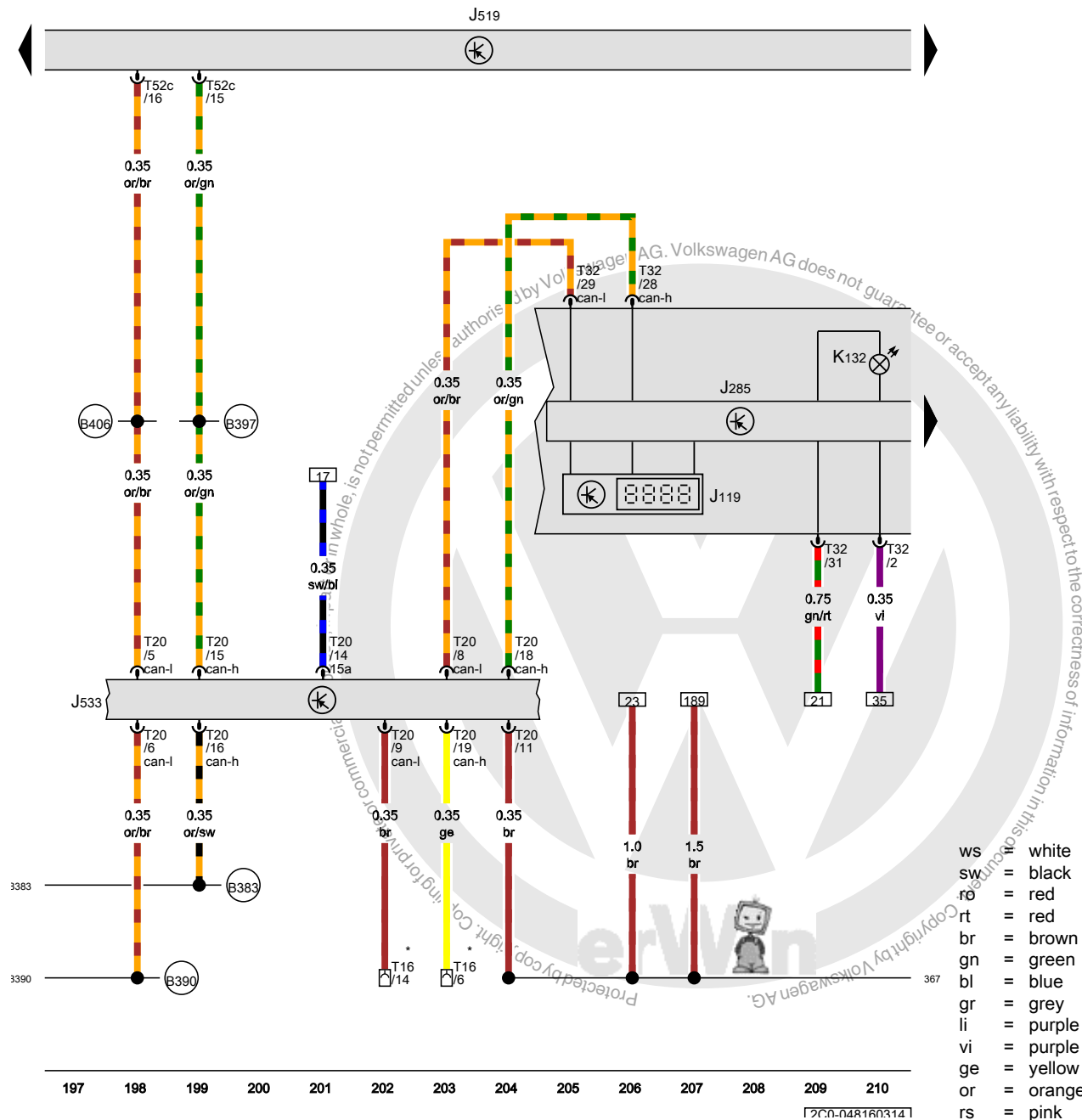
Onboard supply control unit, Engine control unit

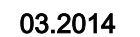
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T47 47-pin connector
- T94 94-pin connector

- 47 Earth point, in front right footwell
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- * Only left-hand drive models
- *2 Only right-hand drive models



Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface

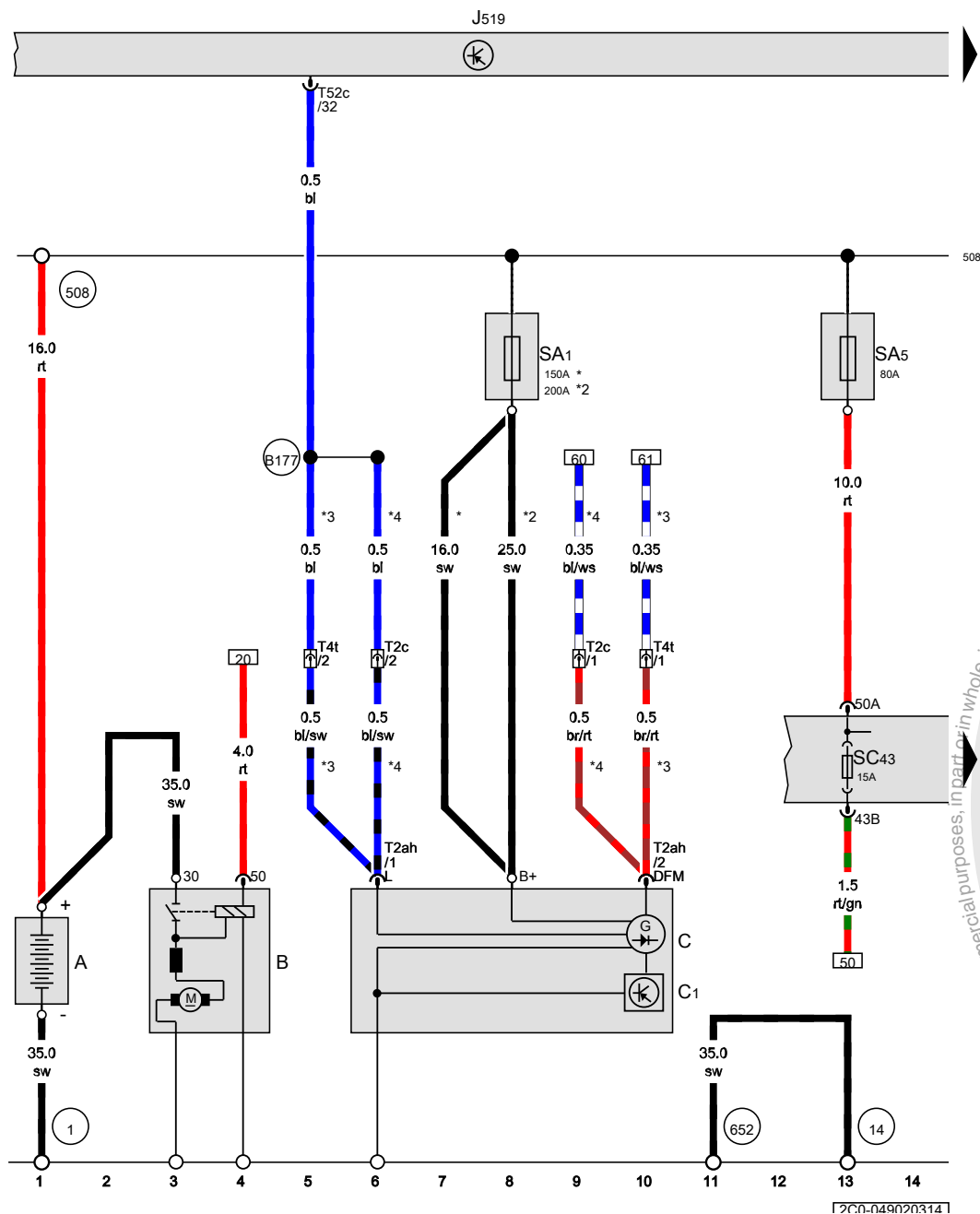




1.6l petrol engine , BSF
From November 2011

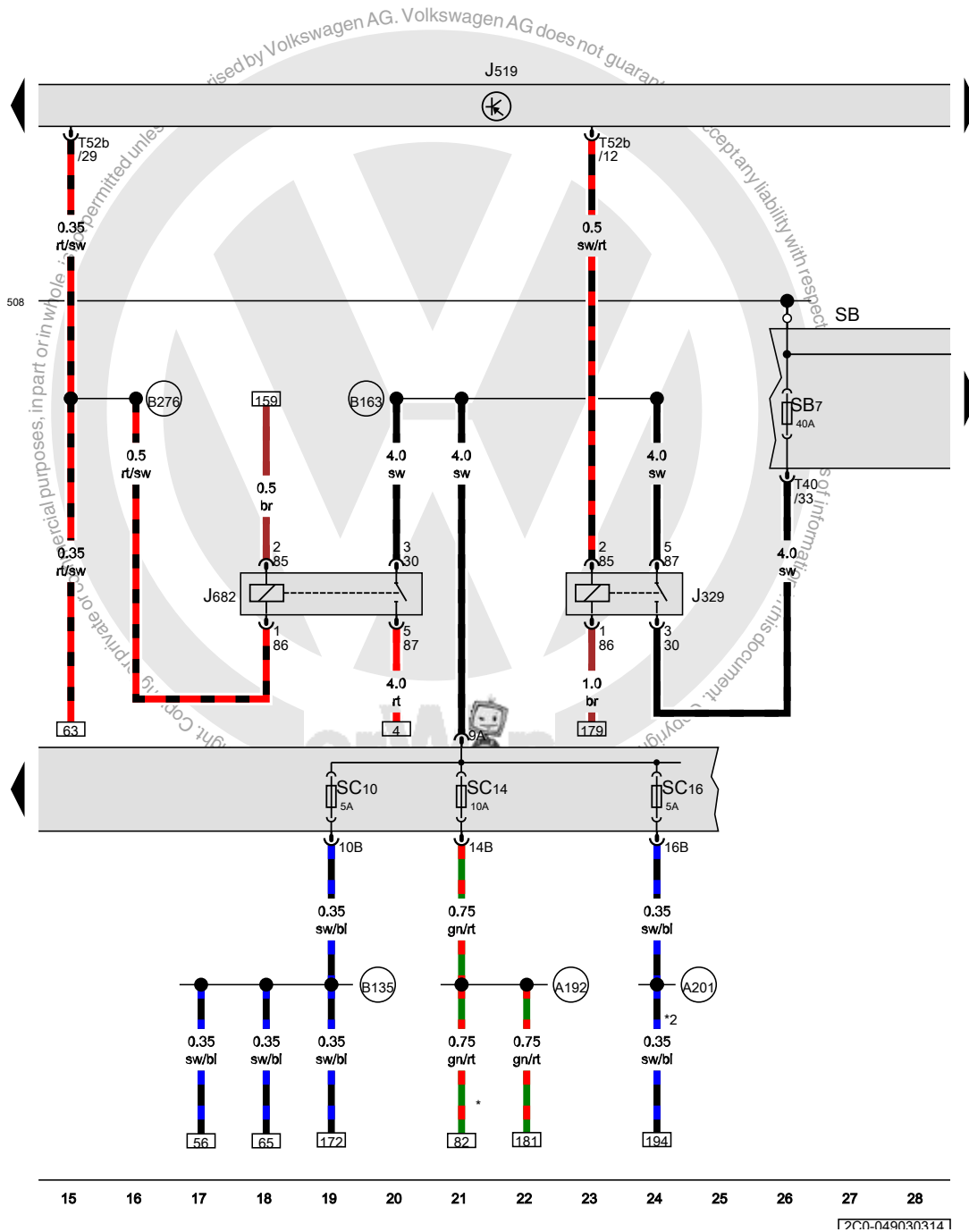


Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system

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Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with flexible service interval display

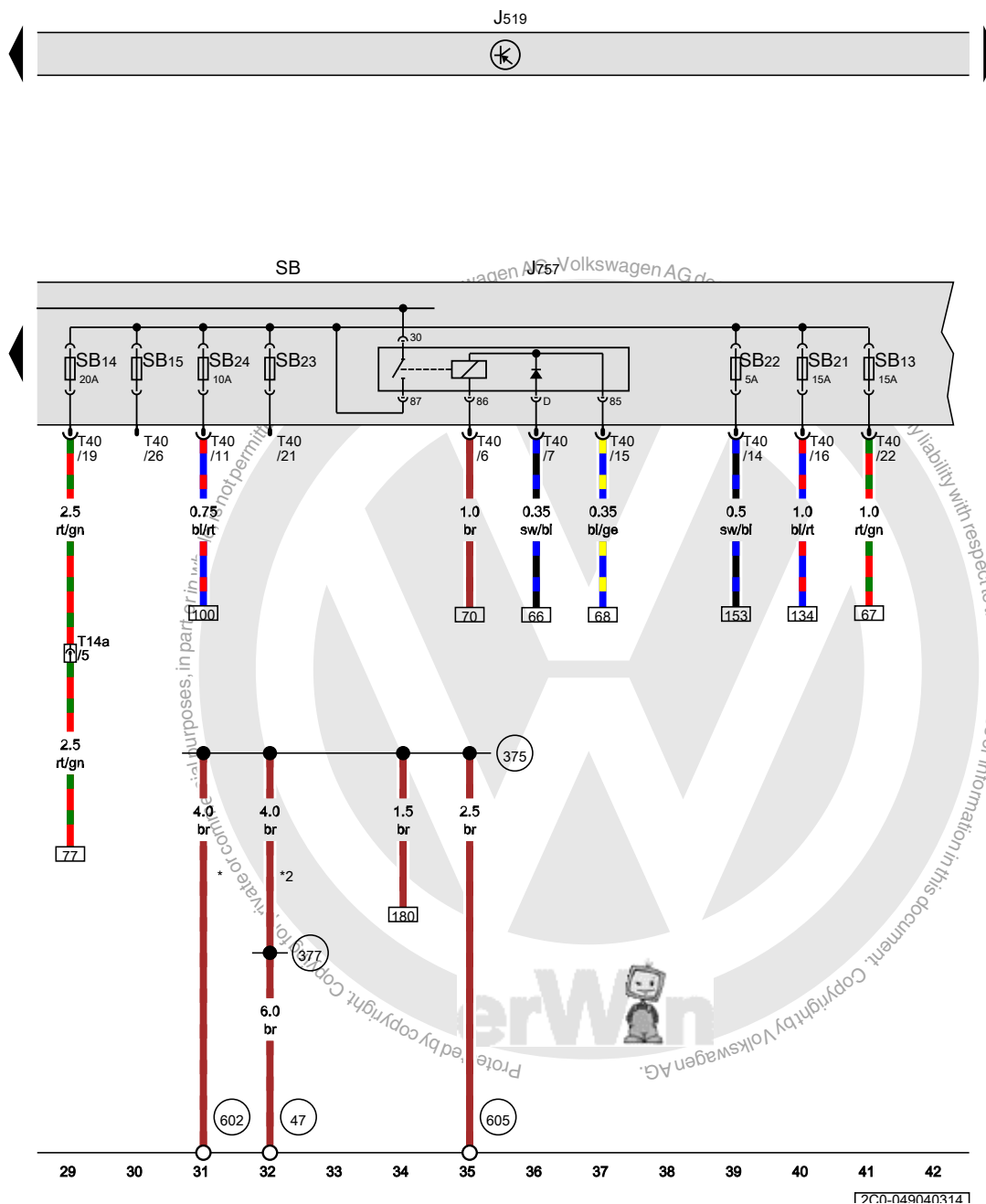
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Onboard supply control unit, Engine component current supply relay, Fuse holder B

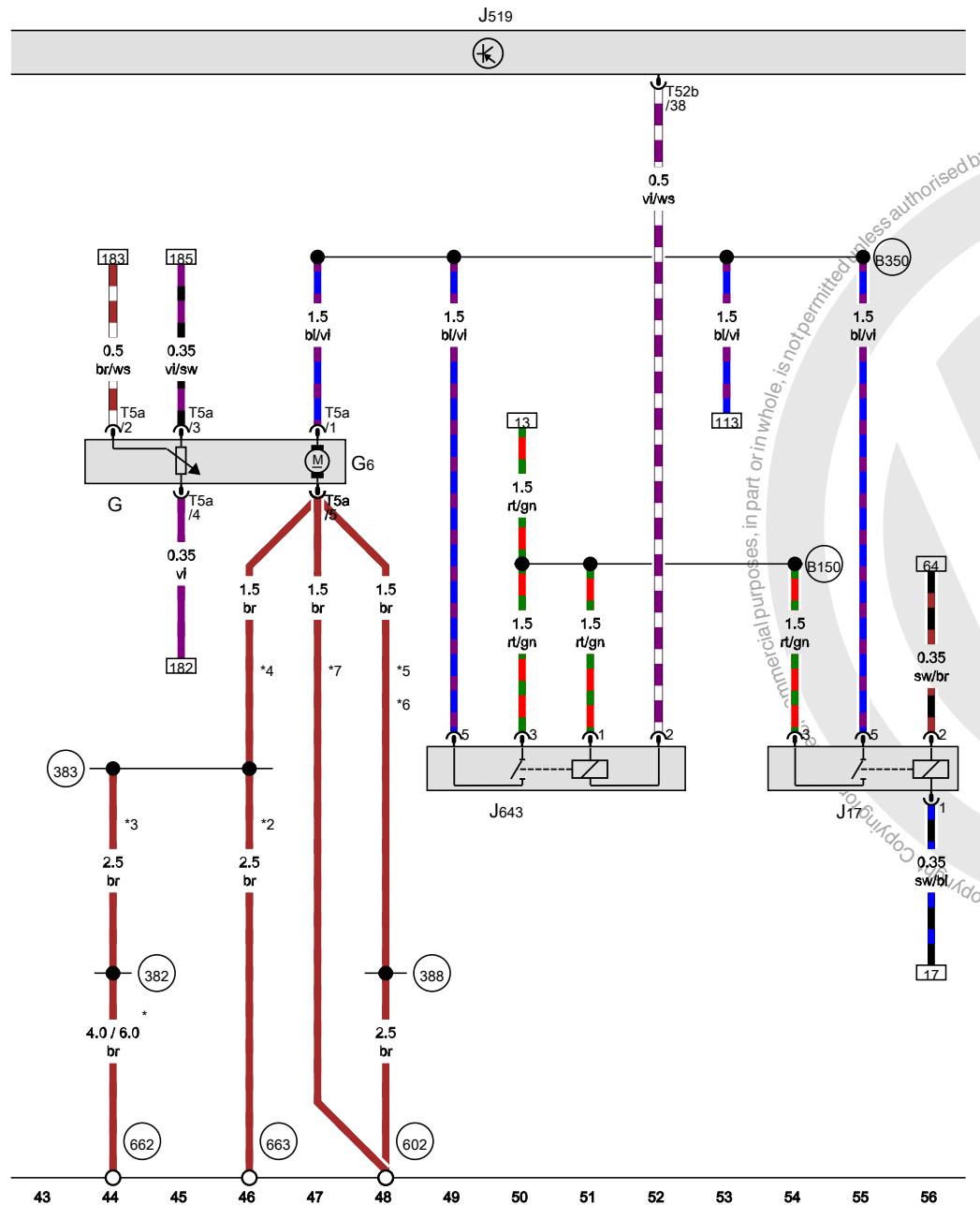
- J519 Onboard supply control unit
 J757 Engine component current supply relay
 SB Fuse holder B
 SB13 Fuse 13 on fuse holder B
 SB14 Fuse 14 on fuse holder B
 SB15 Fuse 15 on fuse holder B
 SB21 Fuse 21 on fuse holder B
 SB22 Fuse 22 on fuse holder B
 SB23 Fuse 23 on fuse holder B
 SB24 Fuse 24 on fuse holder B
 T14a 14-pin connector, near left headlight, black
 T40 40-pin connector

- 47 Earth point, in front right footwell
 375 Earth connection 10, in main wiring harness
 377 Earth connection 12, in main wiring harness
 602 Earth point, in front left footwell
 605 Earth point, on top end of steering column
 * Only left-hand drive models
 *2 Only right-hand drive models

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Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay



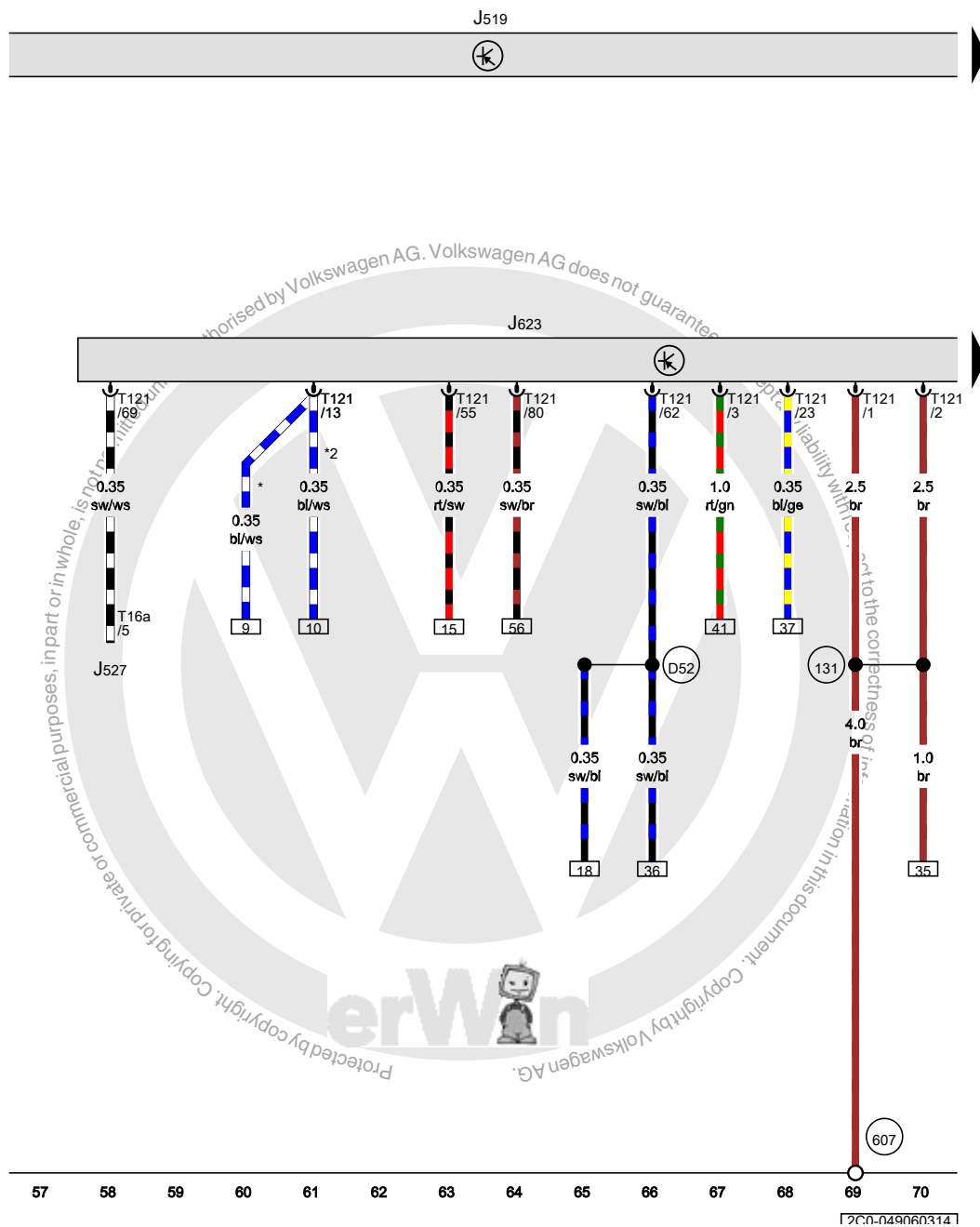
- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 602 Earth point, in front left footwell
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment
- *4 Up to April 2012
- *5 From May 2012
- *6 Up to October 2012
- *7 From November 2012

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 ge = yellow
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 rs = pink

Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T121 121-pin connector

- (131) Earth connection 2, in engine compartment wiring harness
- (607) Earth point, on left in plenum chamber
- (D52) Positive connection (15a), in engine compartment wiring harness
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



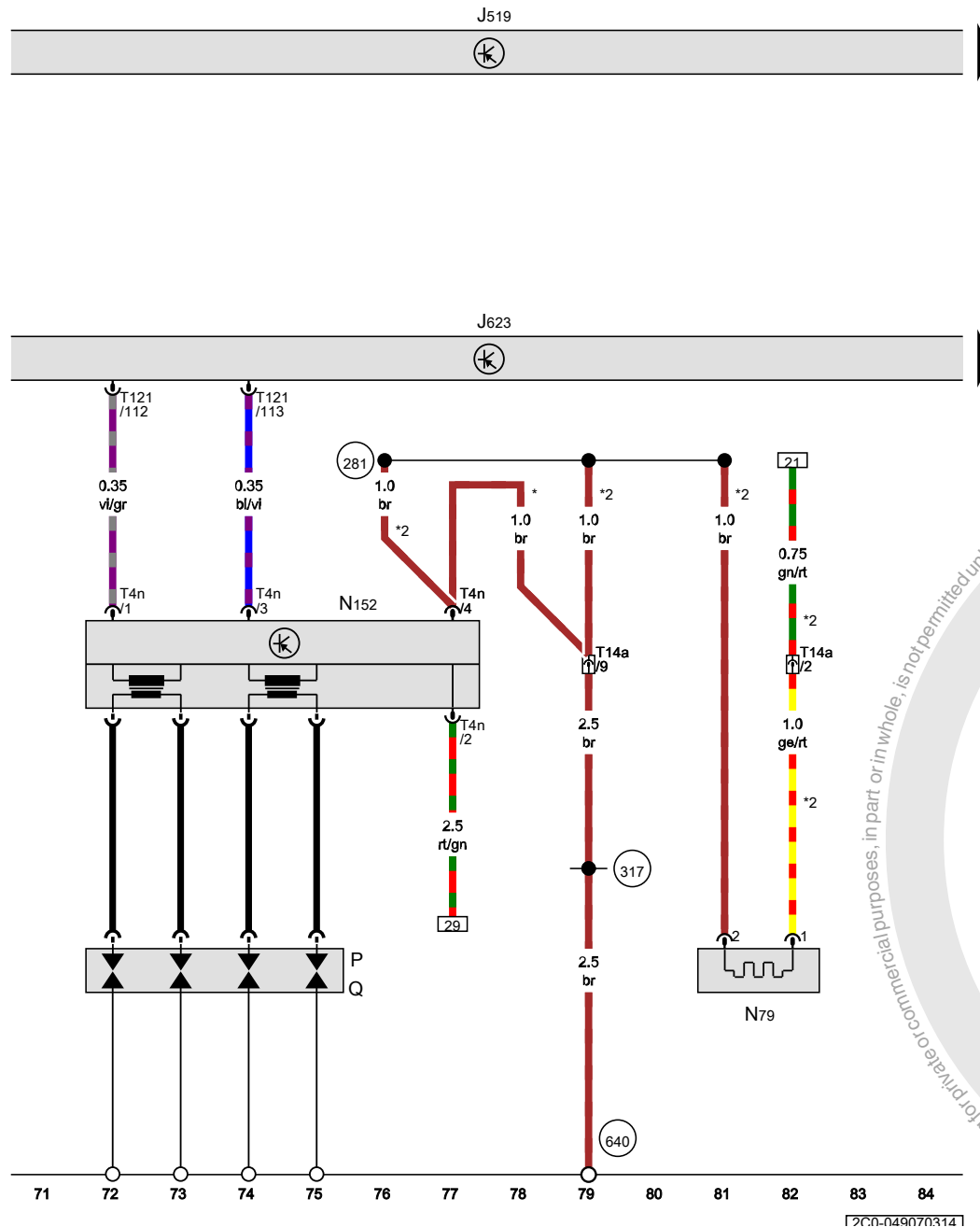
Onboard supply control unit, Engine control unit, Heater element for crankcase breather, Ignition transformer, Spark plugs

- | | |
|------|--|
| J519 | Onboard supply control unit |
| J623 | Engine control unit, central in plenum chamber |
| N79 | Heater element for crankcase breather |
| N152 | Ignition transformer |
| P | Spark plug connector |
| Q | Spark plugs |
| T4n | 4-pin connector, black |
| T14a | 14-pin connector, near left headlight, black |
| T121 | 121-pin connector |

- 281 Earth point 1, engine prewiring harness
- 317 Earth connection 7, in engine compartment wiring harness

- 640 Earth point 2, left in engine compartment

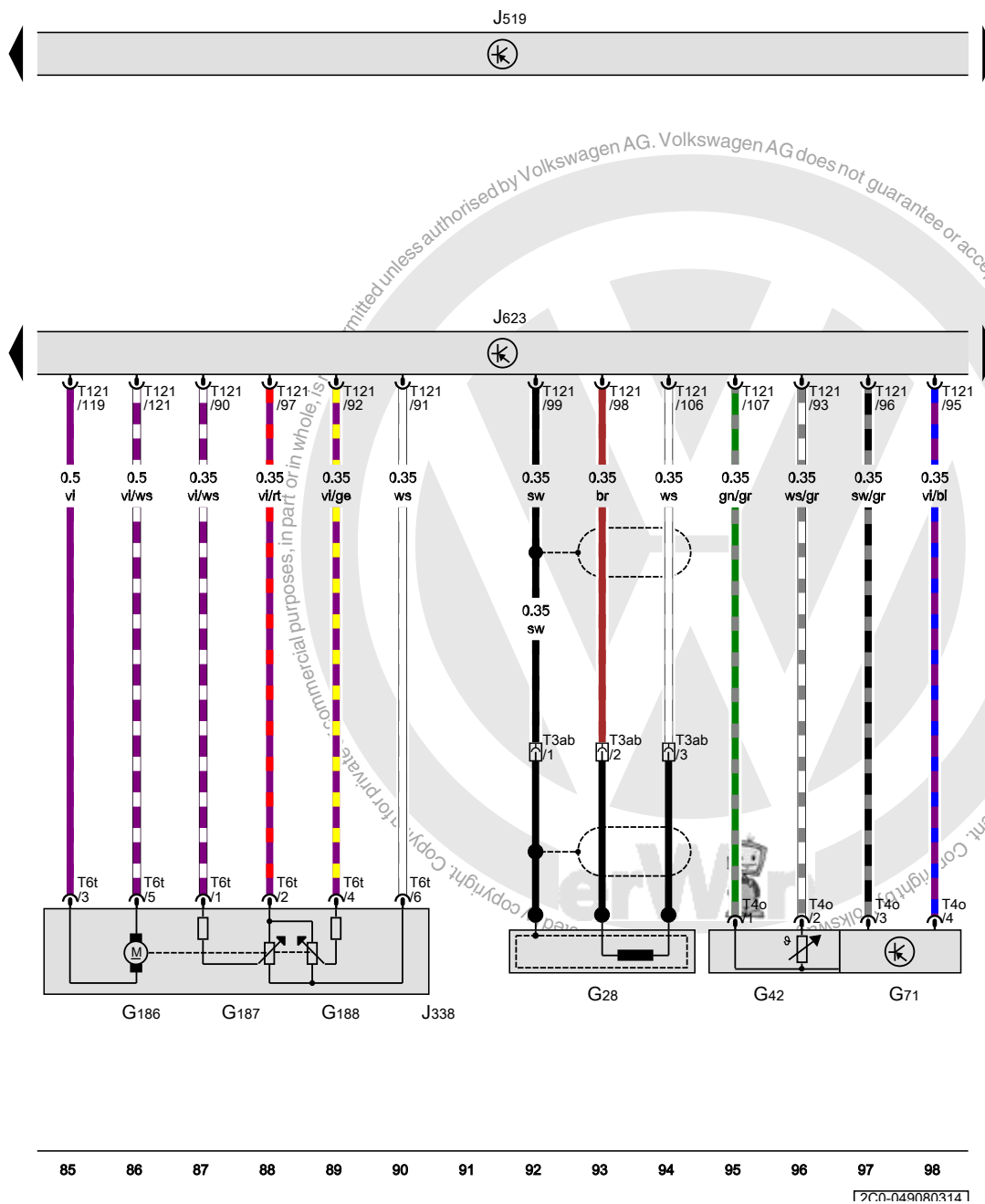
- * Only models with no crankcase breather heater element
*2 Only models with crankcase breather heater element



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

Engine speed sender, Intake air temperature sender, Intake manifold pressure sender, Throttle valve module, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T4o 4-pin connector, black
- T6t 6-pin connector, black
- T121 121-pin connector

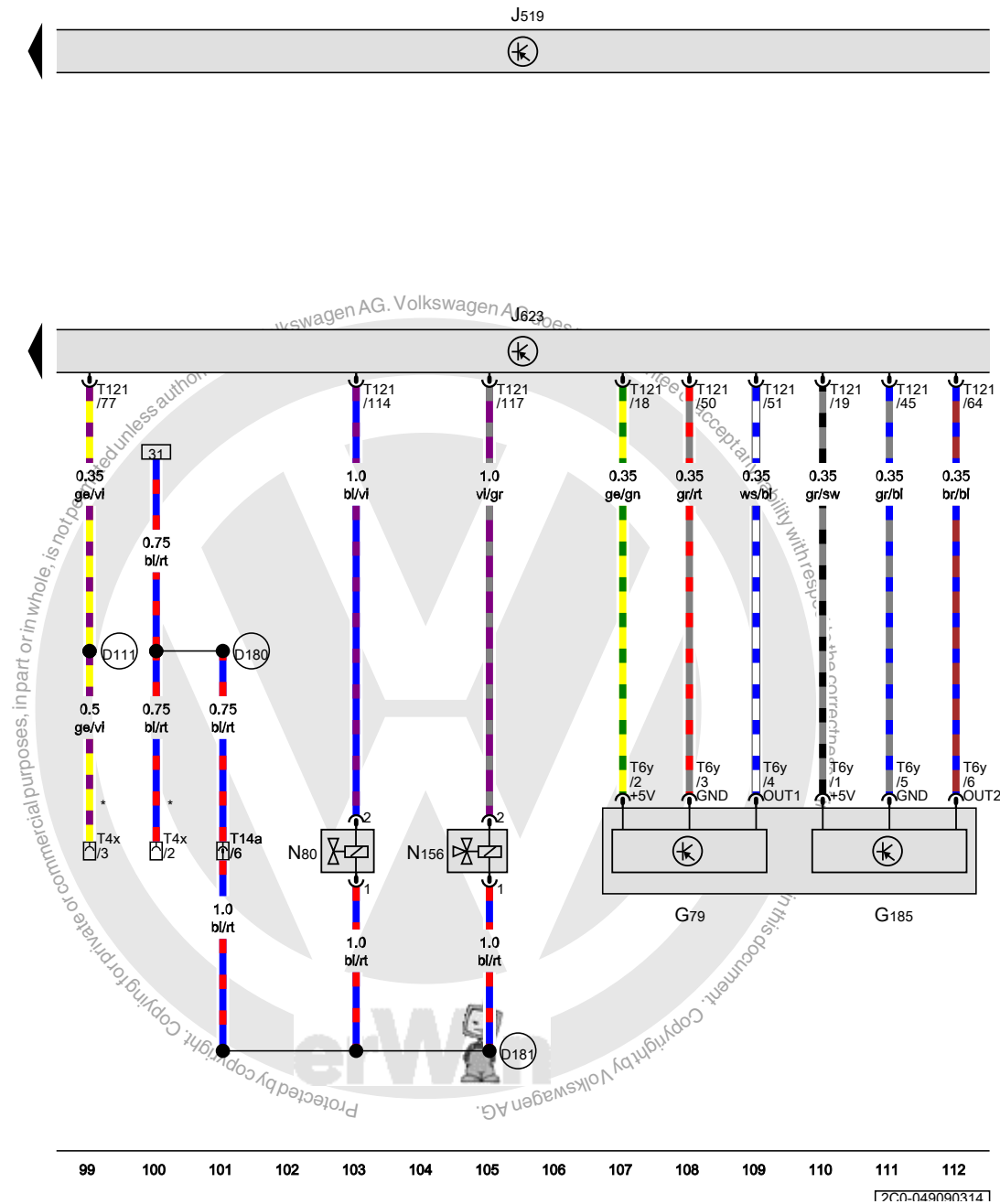


Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit, Activated charcoal filter solenoid valve 1, Variable intake manifold changeover valve

- | | |
|------|--|
| G79 | Accelerator position sender |
| G185 | Accelerator position sender 2 |
| J519 | Onboard supply control unit |
| J623 | Engine control unit, central in plenum chamber |
| N80 | Activated charcoal filter solenoid valve 1 |
| N156 | Variable intake manifold changeover valve |
| T4x | 4-pin connector, black |
| T6y | 6-pin connector, black |
| T14a | 14-pin connector, near left headlight, black |
| T121 | 121-pin connector |

- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness

* Radiator fan connection

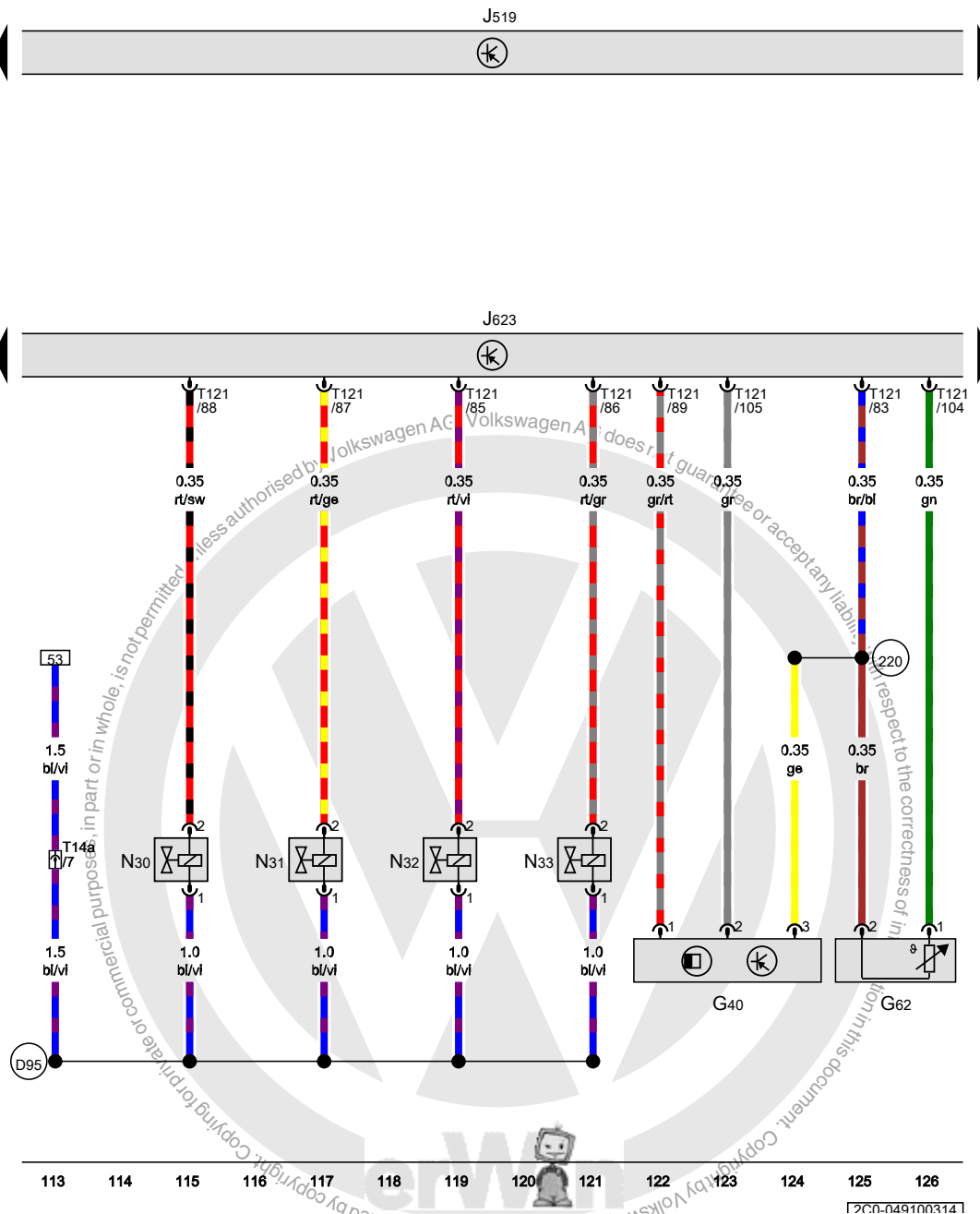


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink

Hall sender, Coolant temperature sender, Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- G40 Hall sender
- G62 Coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D95 Connection (injectors), in engine compartment wiring harness

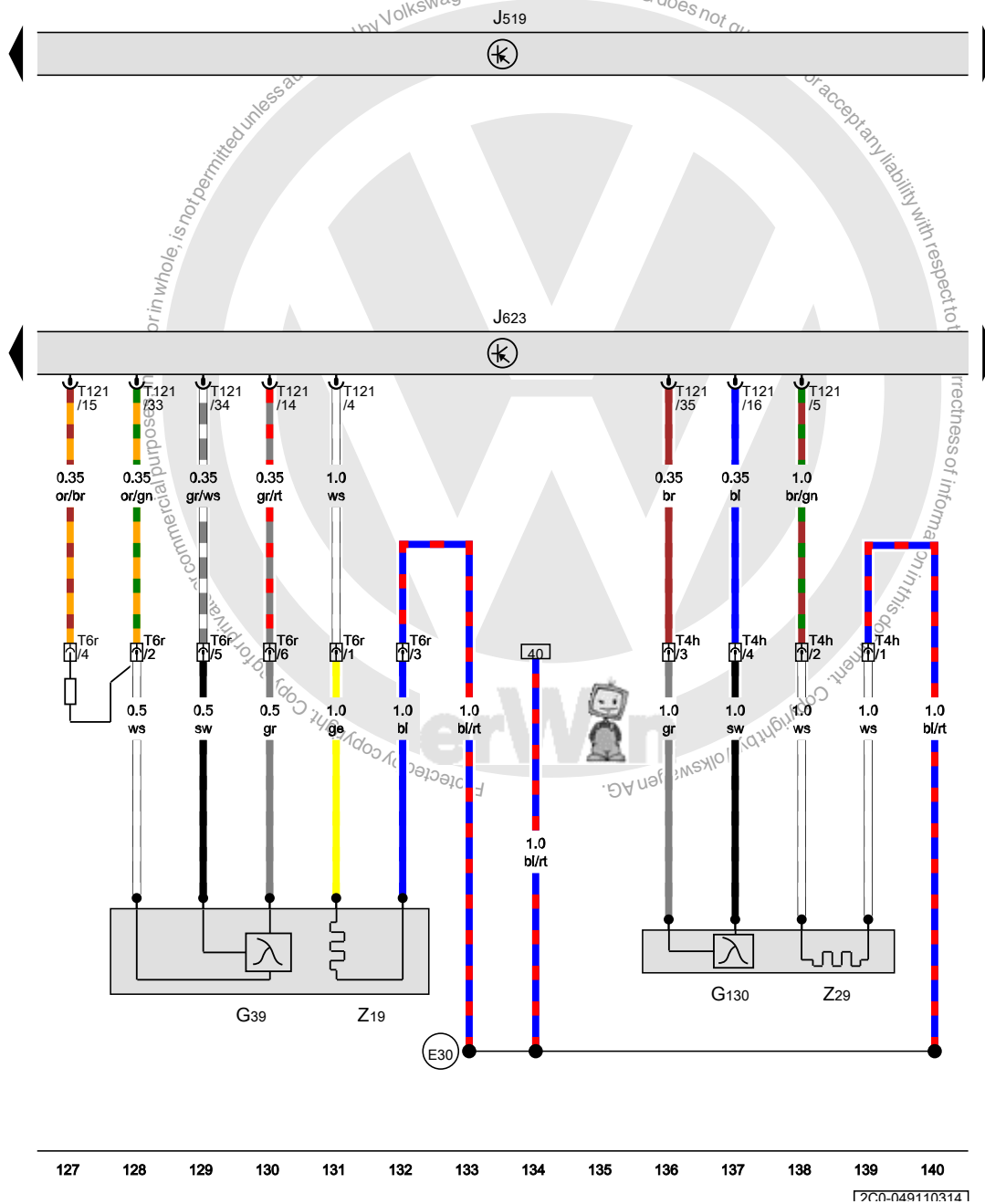


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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

(E30) Connection (87a), in engine wiring harness



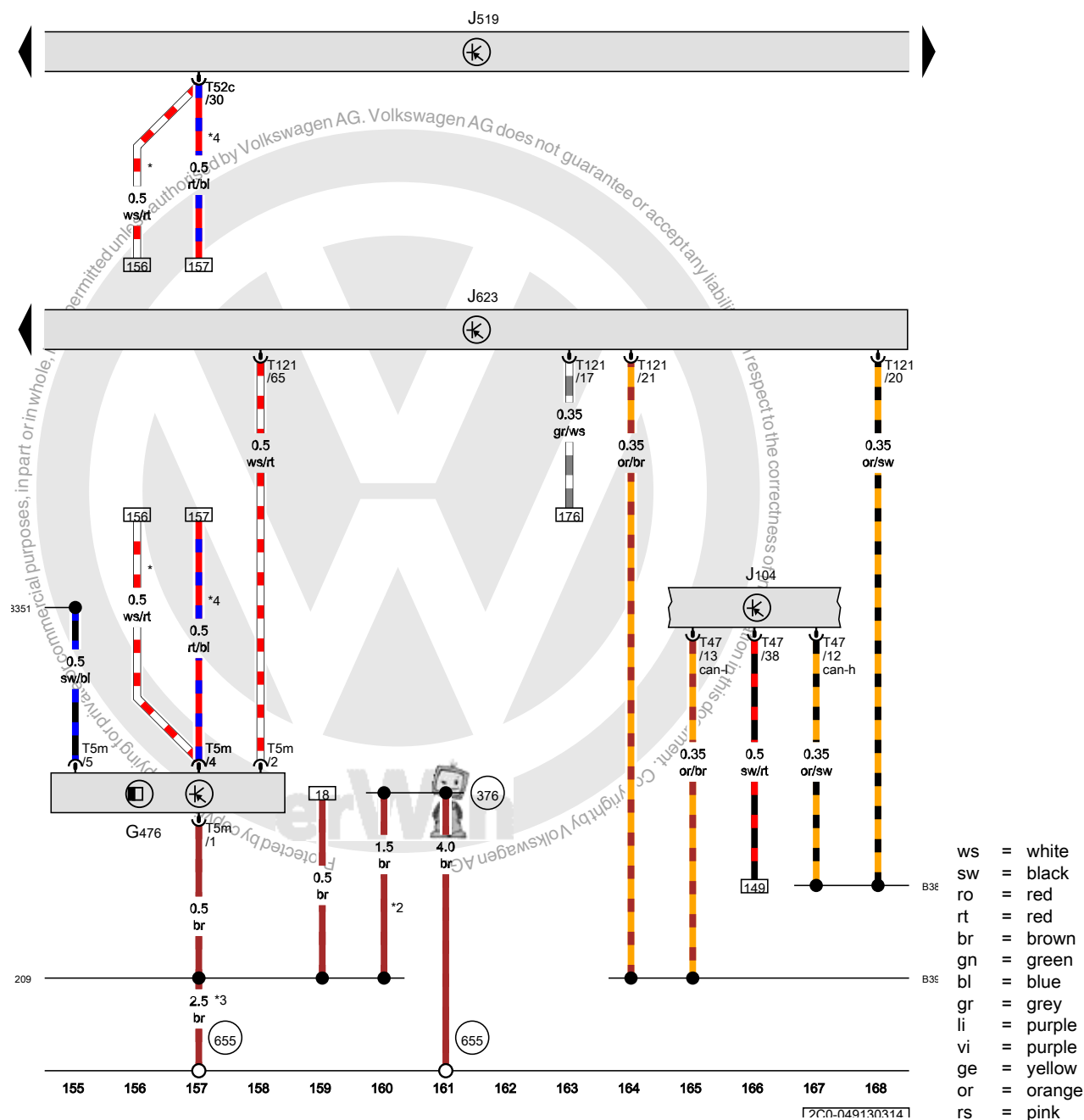
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Clutch position sender, Onboard supply control unit, Engine control unit

- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5m 5-pin connector, black
- T47 47-pin connector
- T52c 52-pin connector, brown
- T121 121-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B351 Positive connection 2 (87a) 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 left-hand drive models
- *2 Up to April 2012
- *3 From May 2012
- *4 Only right-hand drive models



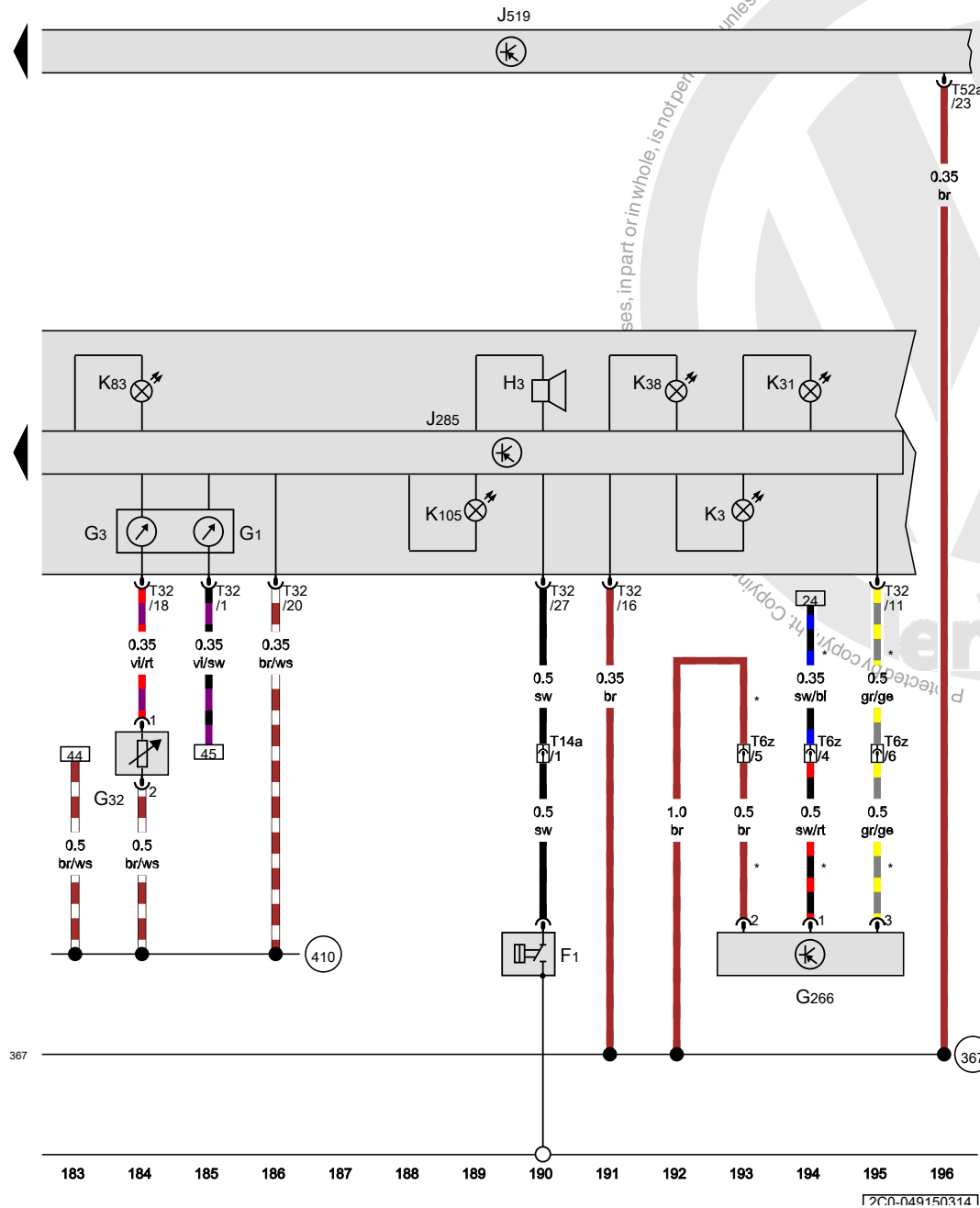
Oil pressure switch, Fuel gauge, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- K105 Reserve fuel warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display



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 rs = pink

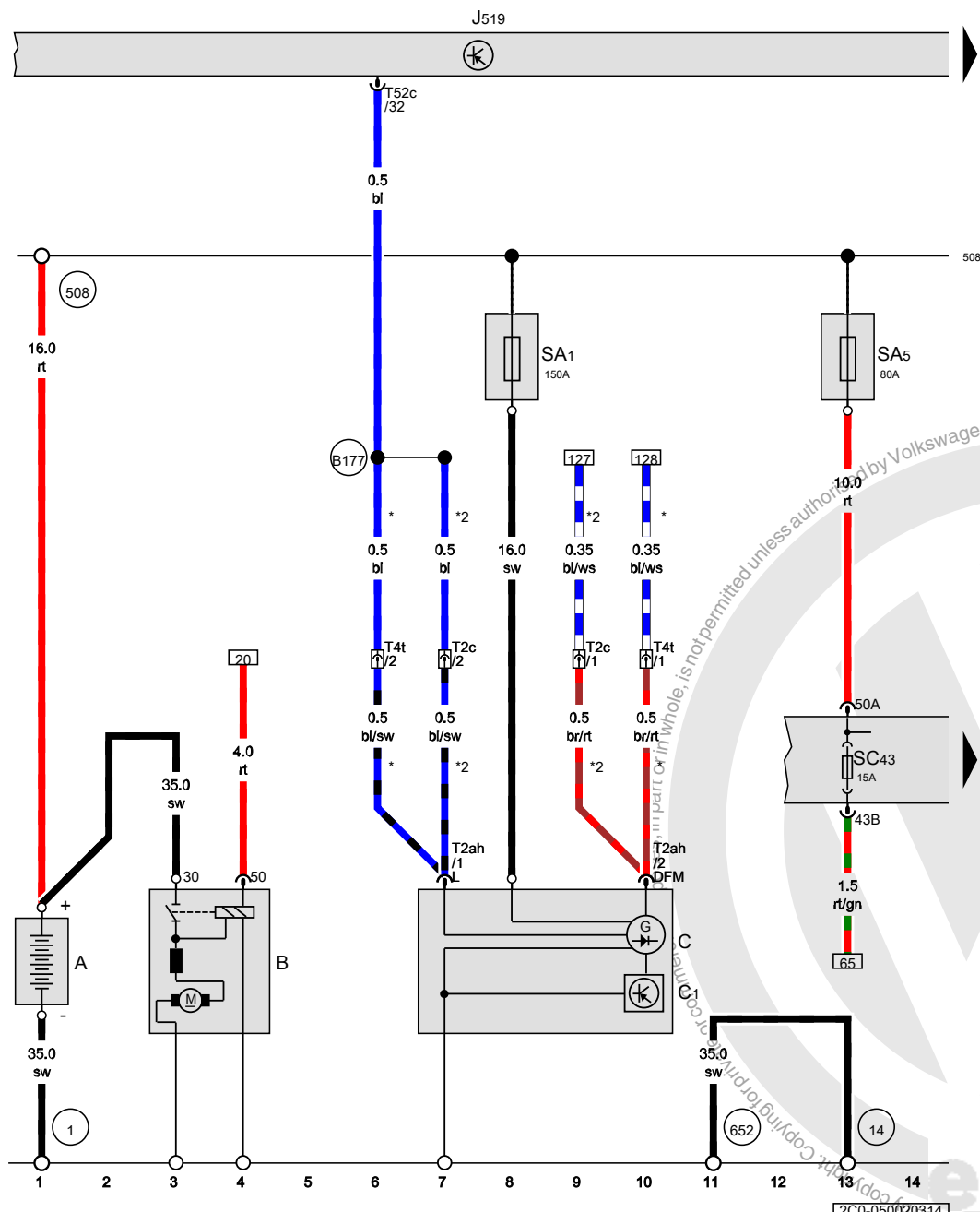
190-049150314

1.6l petrol engine (BiFuel) , CHGA

From November 2011

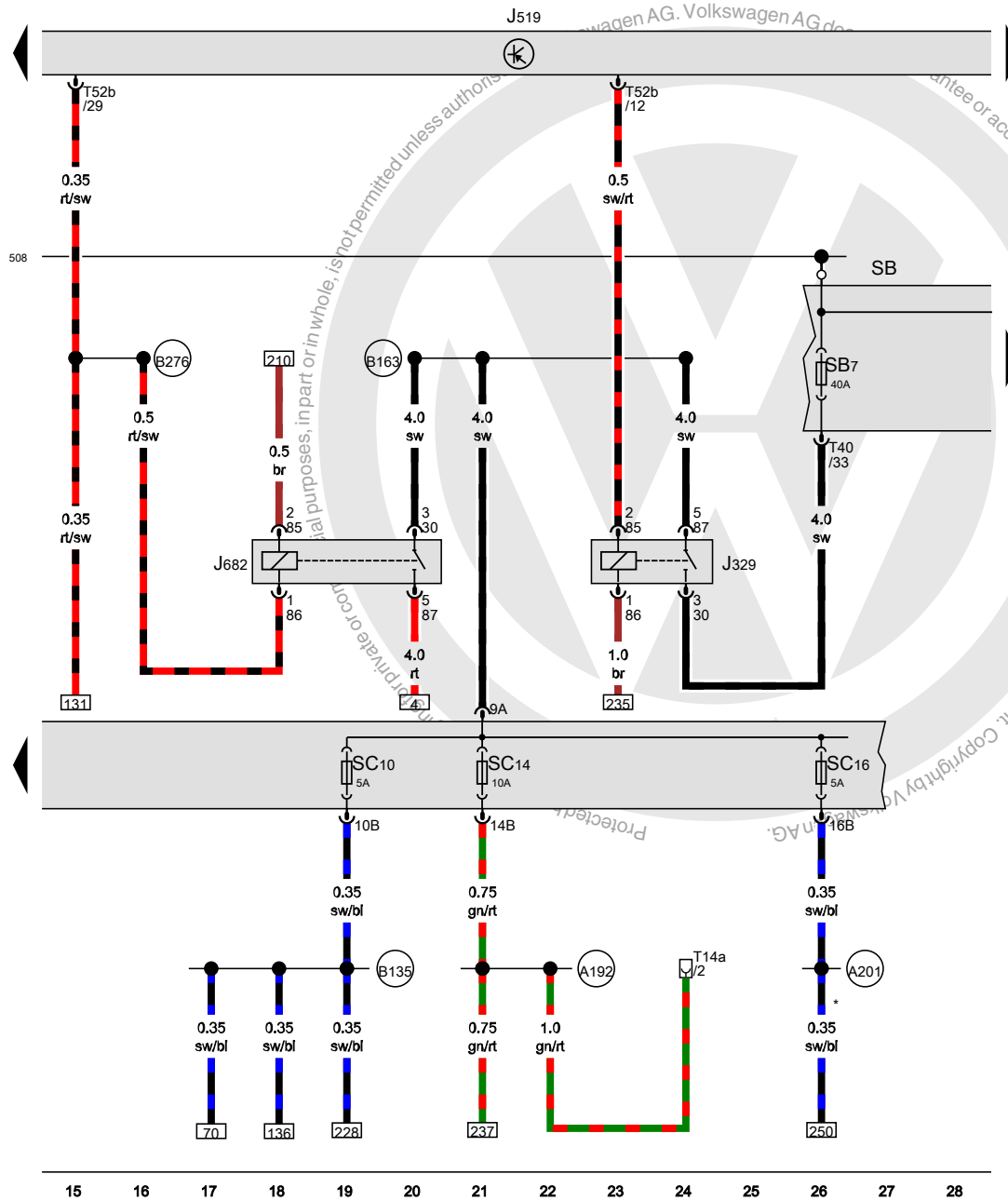


Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61) in interior wiring harness
- * Only models with air conditioning system
- *2 Only models with no air conditioning system

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Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

J329 Terminal 15 voltage supply relay

J519 Onboard supply control unit

J682 Terminal 50 voltage supply relay

SB Fuse holder B

SB7 Fuse 7 on fuse holder B

SC10 Fuse 10 on fuse holder C

SC14 Fuse 14 on fuse holder C

SC16 Fuse 16 on fuse holder C

T14a 14-pin connector, near left headlight, black

T40 40-pin connector

T52b 52-pin connector, white

508 Threaded connection (30) on E-box

A192 Positive connection 3 (15a) in dash panel wiring harness

A201 Positive connection 6 (15a) in dash panel wiring harness

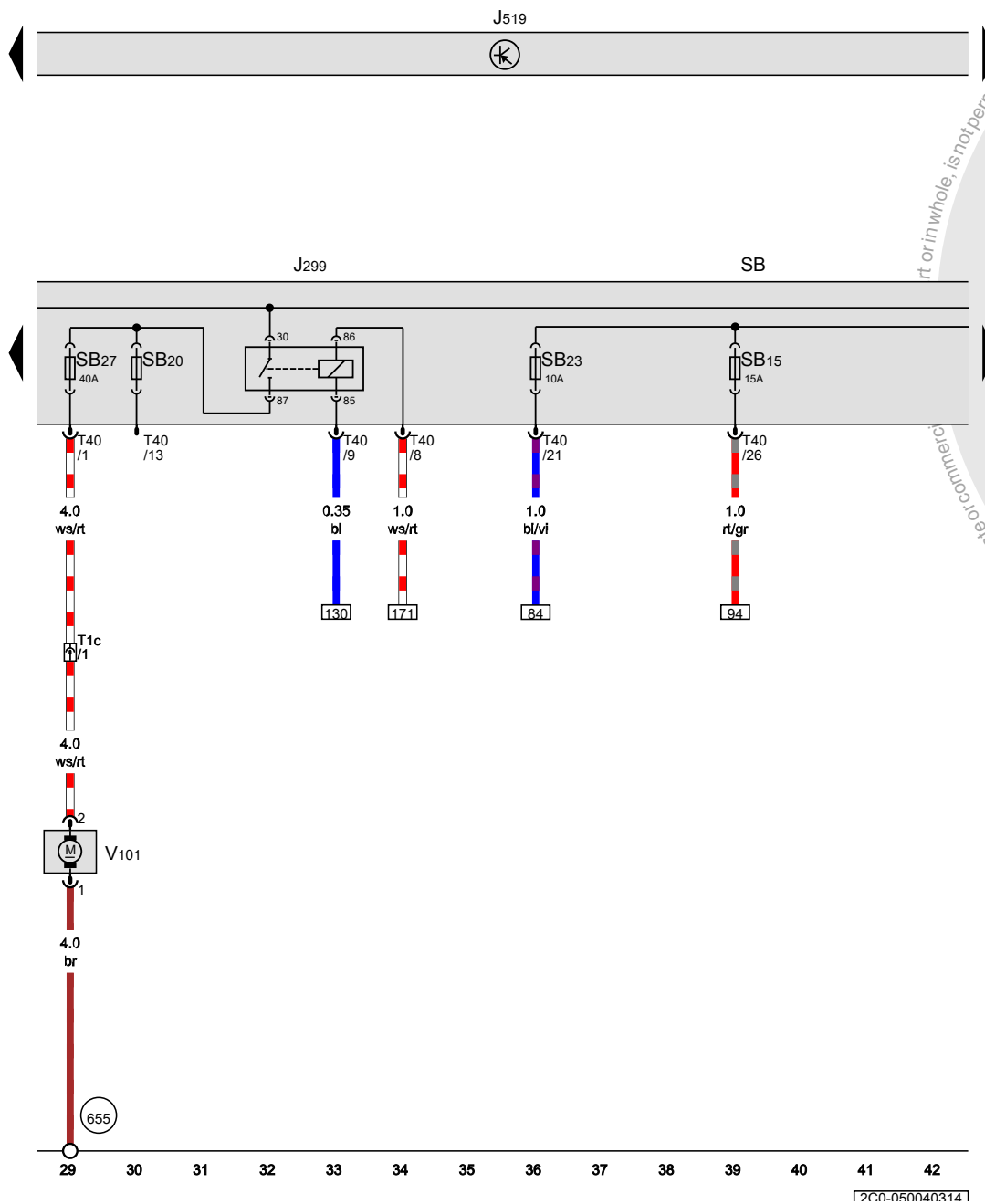
B135 Connection 1 (15a), in interior wiring harness

B163 Positive connection 1 (15), in interior wiring harness

B276 Positive connection (50), in main wiring harness

* Only models with flexible service interval display

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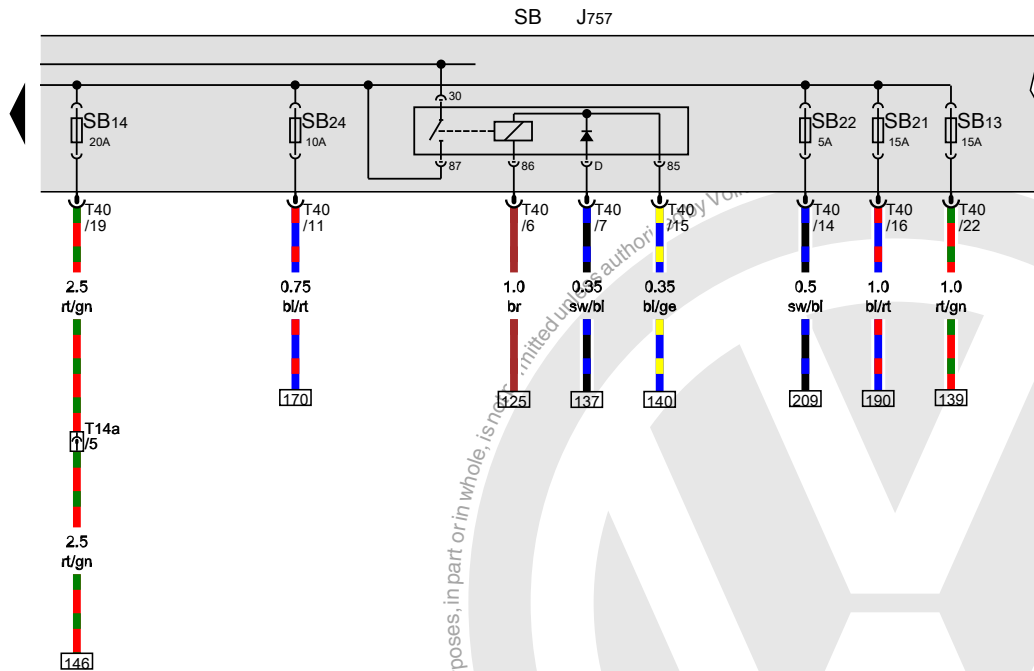
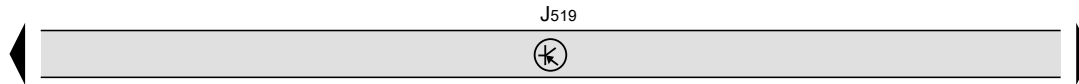
Secondary air pump relay, Onboard supply control unit, Fuse holder B, Secondary air pump motor

- J299 Secondary air pump relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T1c Single connector, on left in engine compartment, black
- T40 40-pin connector
- V101 Secondary air pump motor
- 655 Earth point, on left headlight

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

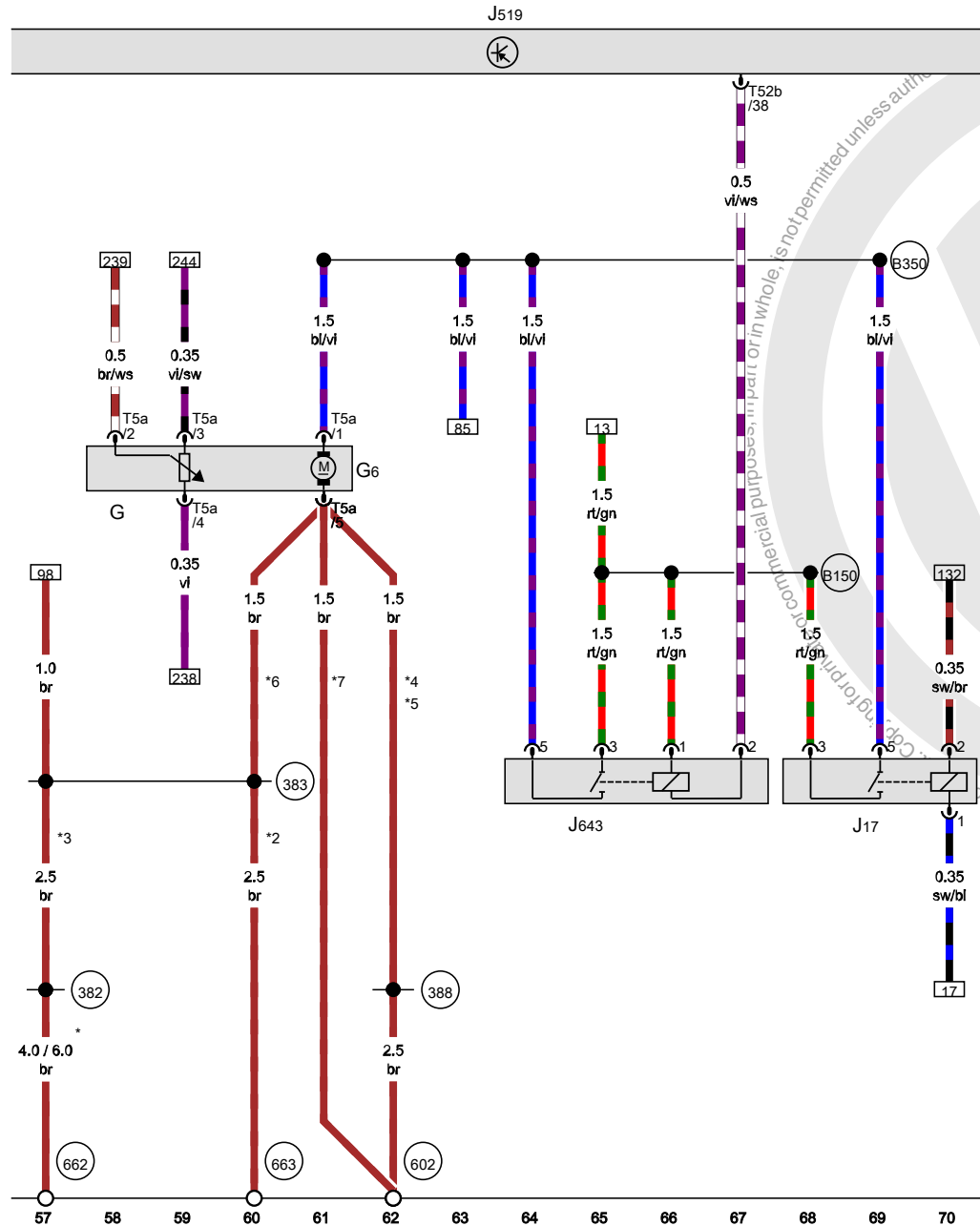
Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector



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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink

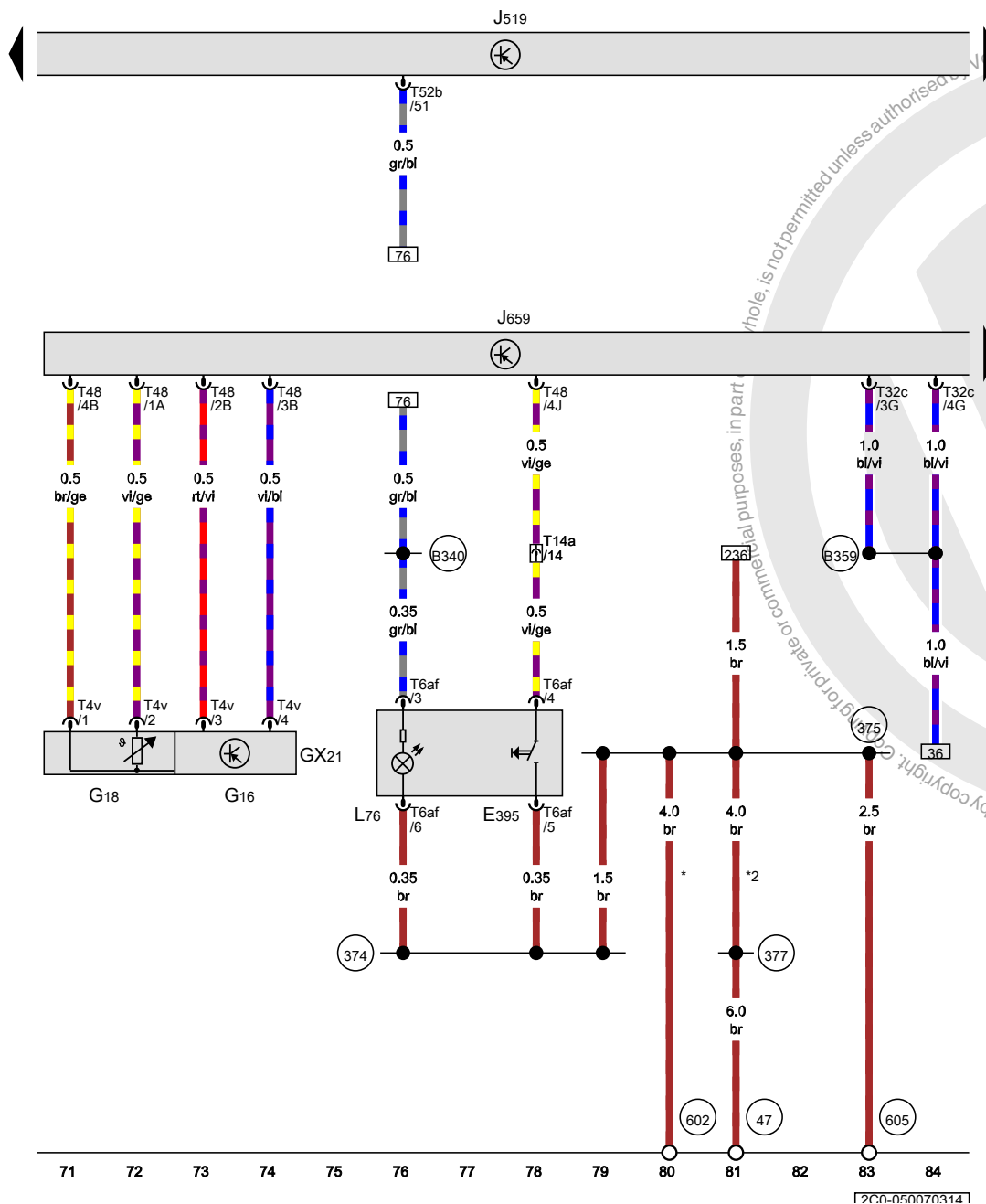
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Onboard supply control unit, Fuel supply relay



- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white
- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 602 Earth point, in front left footwell
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment
- *4 From May 2012
- *5 Up to October 2012
- *6 Up to April 2012
- *7 From November 2012

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 sw = black
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 bl = blue
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 or = orange
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17C00-050060314



Petrol or gas fuel selection switch, Gas rail temperature and pressure sensor, Onboard supply control unit, Gas mode control unit

- E395 Petrol or gas fuel selection switch
- G16 Pressure sensor
- G18 Temperature sensor
- GX21 Gas rail temperature and pressure sensor
- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- L76 Button illumination bulb
- T4v 4-pin connector, black
- T6af 6-pin connector, green
- T14a 14-pin connector, near left headlight, black
- T32c 32-pin connector, grey
- T48 48-pin connector, brown
- T52b 52-pin connector, white

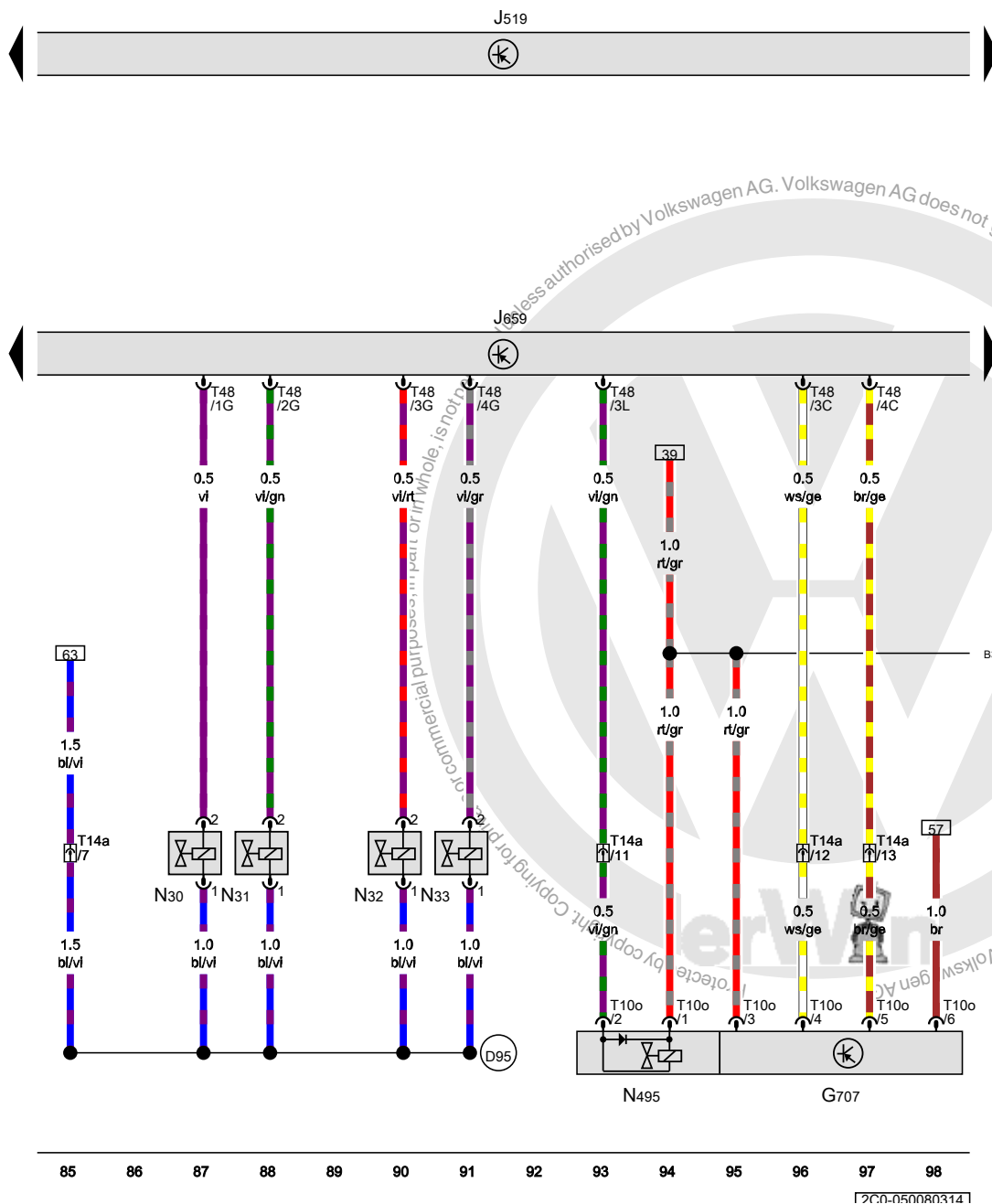
- 47 Earth point, in front right footwell
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- B340 Connection 1 (58d), in main wiring harness
- B359 Positive connection 10 (87a) in main wiring harness

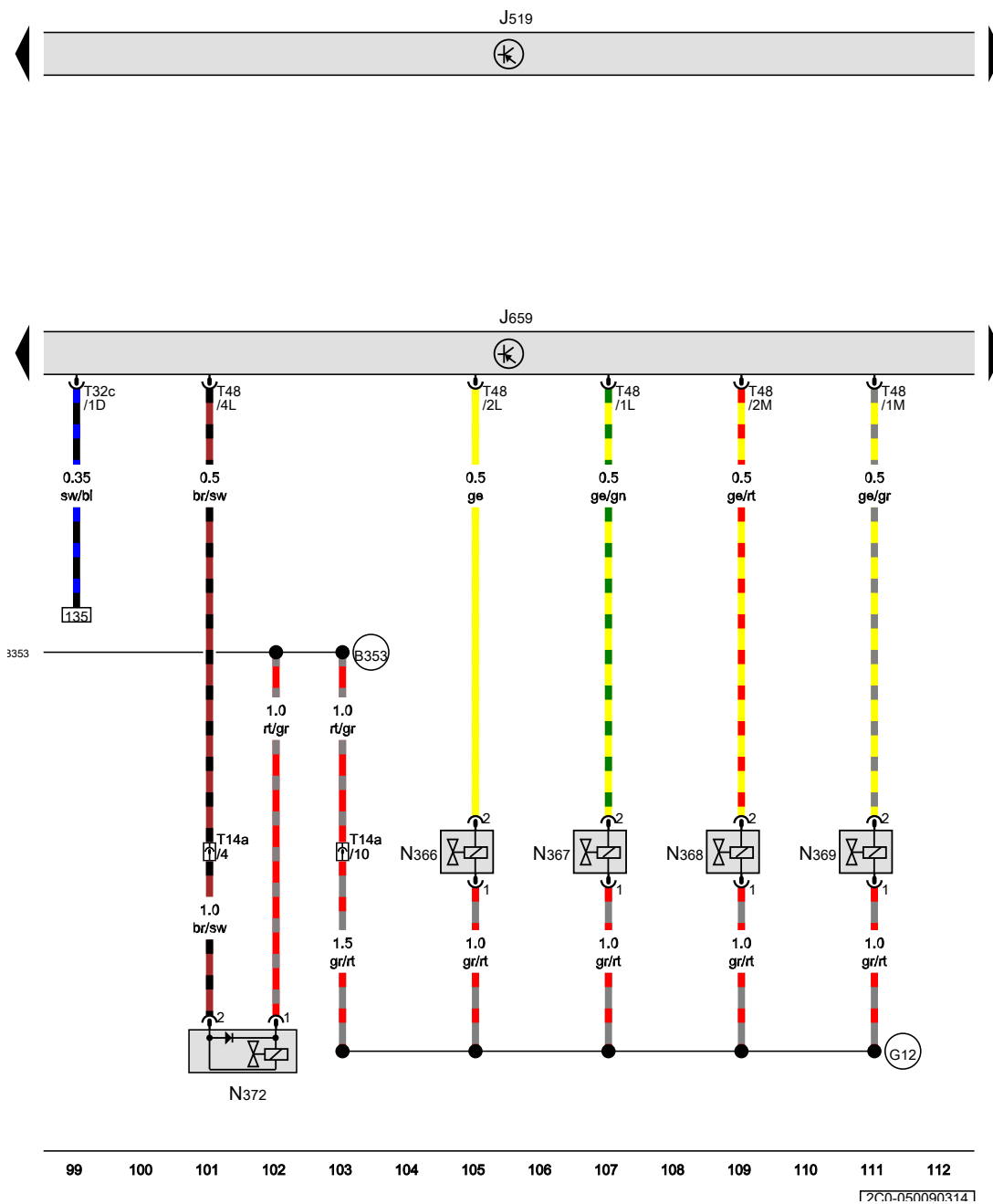
- * Only left-hand drive models
- *2 Only right-hand drive models

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 rs = pink

Gas gauge sender, Onboard supply control unit, Gas mode control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4, Gas tank valve

- G707 Gas gauge sender
- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N495 Gas tank valve
- T10o 10-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T48 48-pin connector, brown
- B353 Positive connection 4 (87a) in main wiring harness
- D95 Connection (injectors), in engine compartment wiring harness



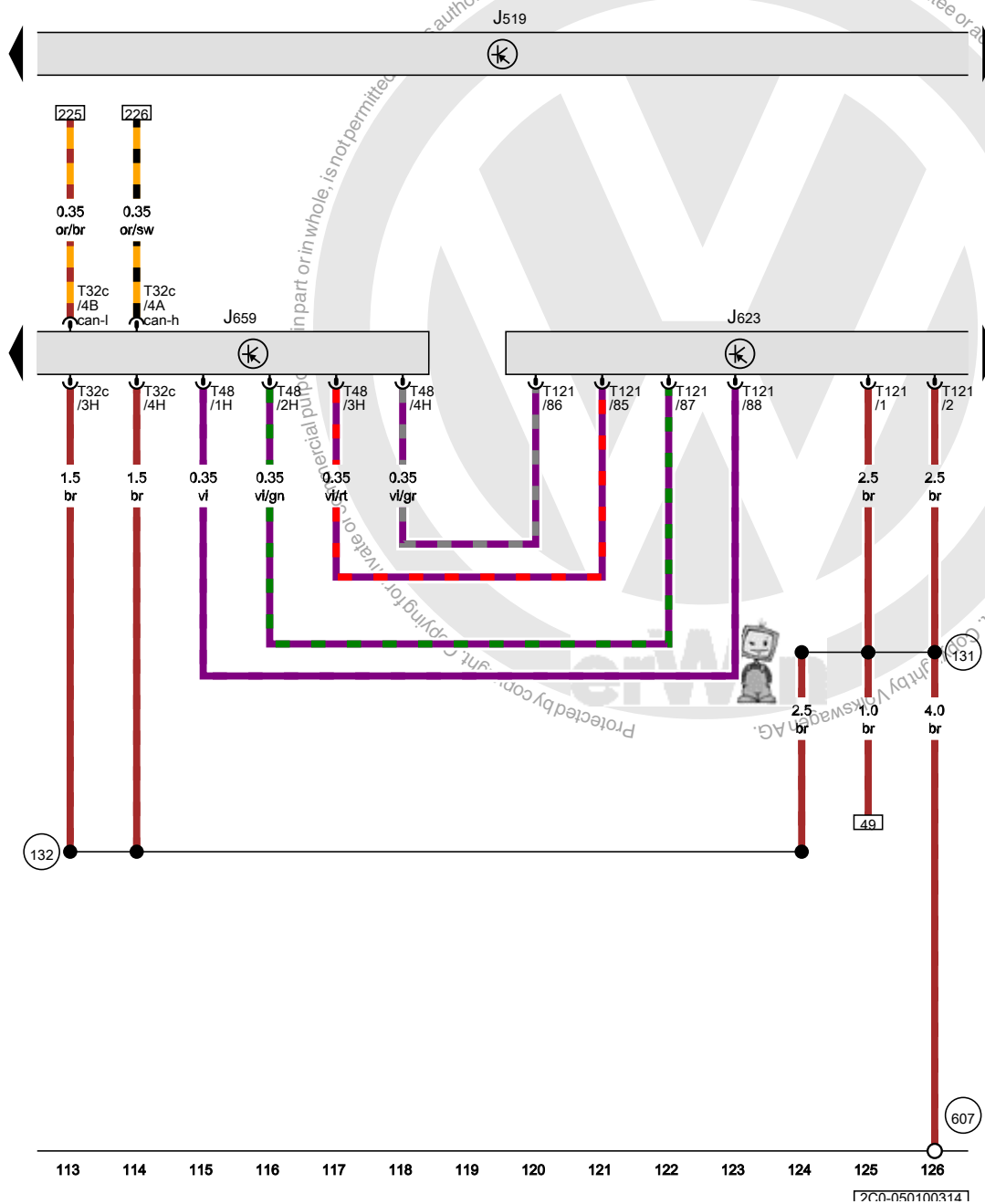


Onboard supply control unit, Gas mode control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4, High-pressure valve for gas mode

- J519 Onboard supply control unit
- J659 Gas mode control unit, central in plenum chamber
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- N372 High-pressure valve for gas mode
- T14a 14-pin connector, near left headlight, black
- T32c 32-pin connector, grey
- T48 48-pin connector, brown

- B353 Positive connection 4 (87a) in main wiring harness
- G12 Connection 1 in gas mode wiring harness

- ws = white
- sw = black
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- gr = grey
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- vi = purple
- ge = yellow
- or = orange
- rs = pink



Onboard supply control unit, Engine control unit, Gas mode control unit

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- J659 Gas mode control unit, central in plenum chamber
- T32c 32-pin connector, grey
- T48 48-pin connector, brown
- T121 121-pin connector
- 131 Earth connection 2, in engine compartment wiring harness
- 132 Earth connection 3, in engine compartment wiring harness
- 607 Earth point, on left in plenum chamber

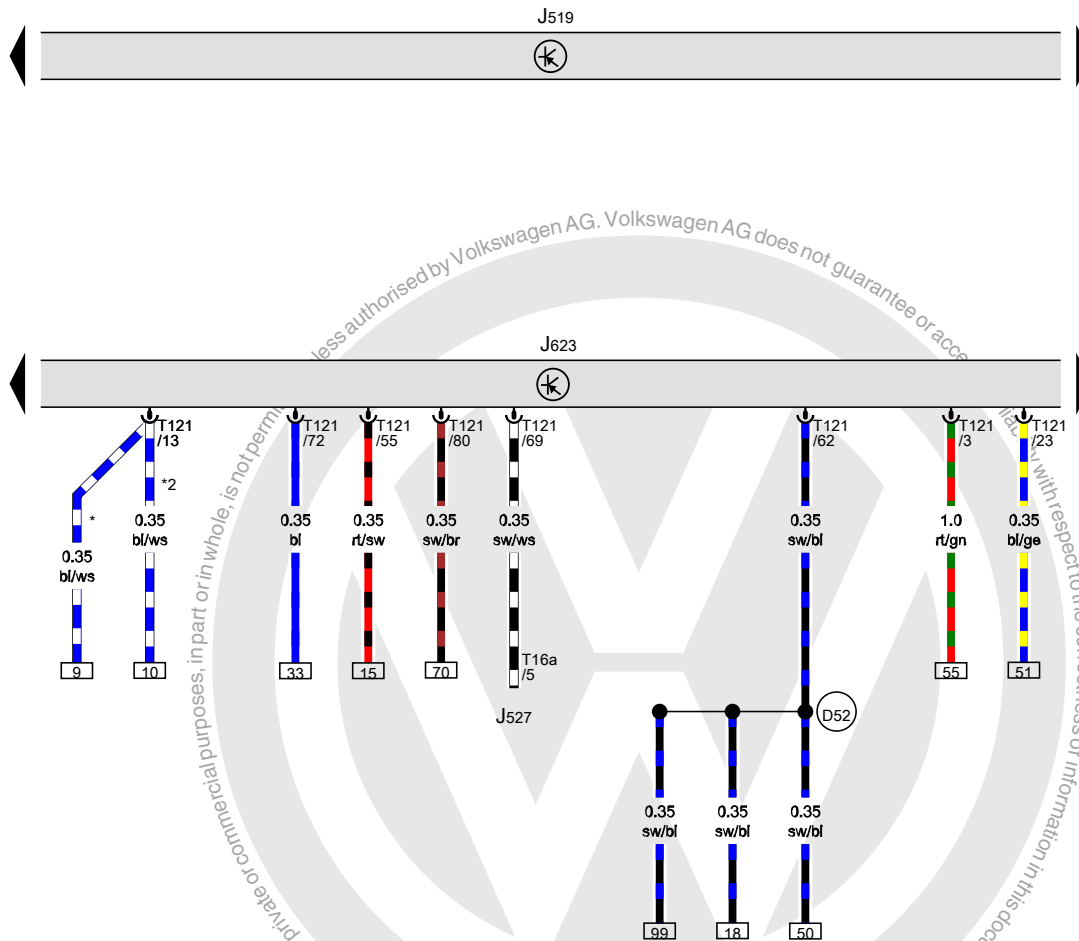
ws = white
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 gn = green
 bl = blue
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 rs = pink

Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T121 121-pin connector

D52 Positive connection (15a), in engine compartment wiring harness

- * Only models with no air conditioning system
- *2 Only models with air conditioning system

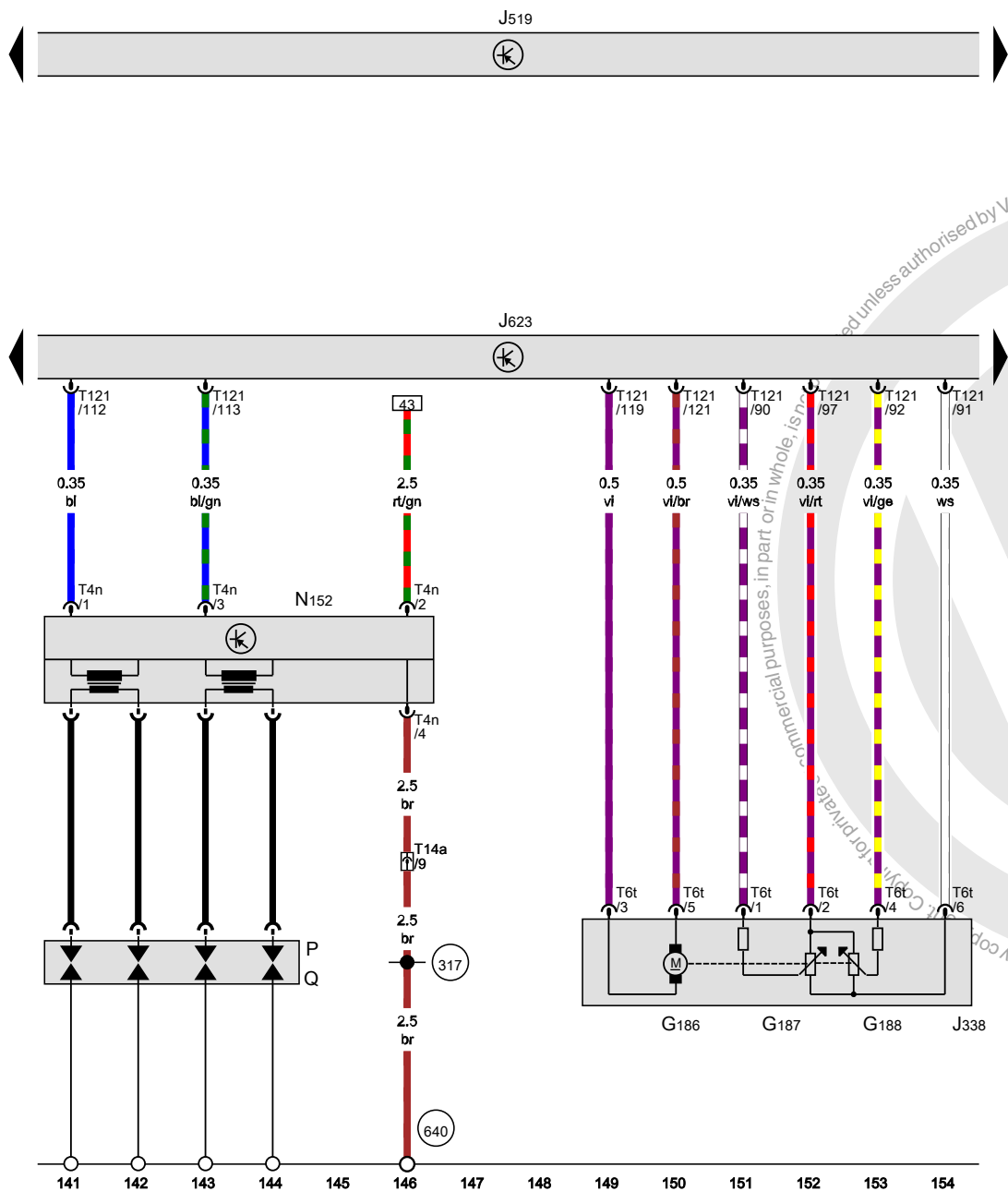


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Throttle valve module, Onboard supply control unit, Engine control unit, Ignition transformer, Spark plugs

- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- T4n 4-pin connector, black
- T6t 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment

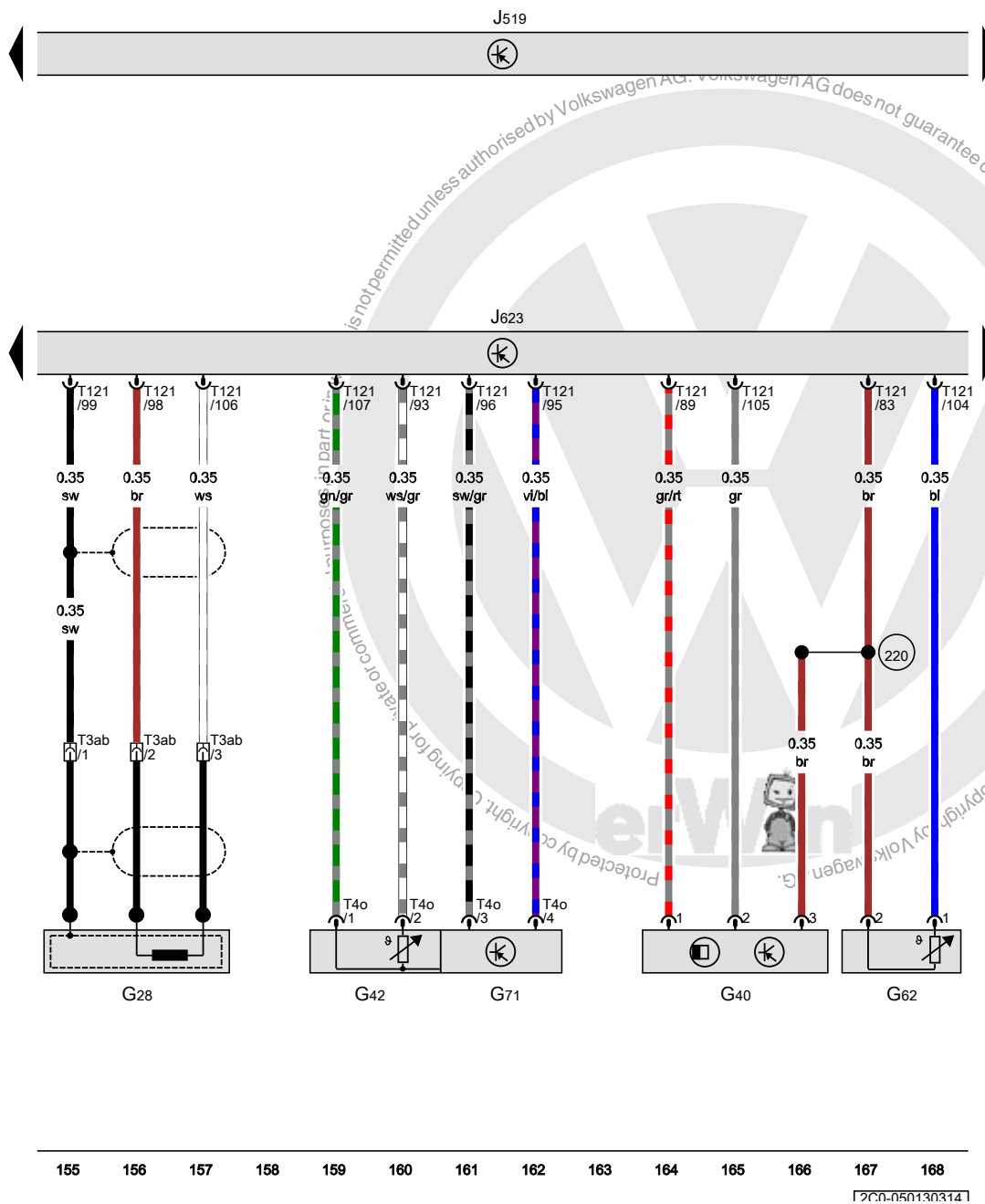


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- br = brown
- gn = green
- bl = blue
- gr = grey
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- ge = yellow
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Engine speed sender, Hall sender, Intake air temperature sender, Coolant temperature sender, Intake manifold pressure sender, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T4o 4-pin connector, black
- T121 121-pin connector

220 Earth connection (sender earth), in engine wiring harness

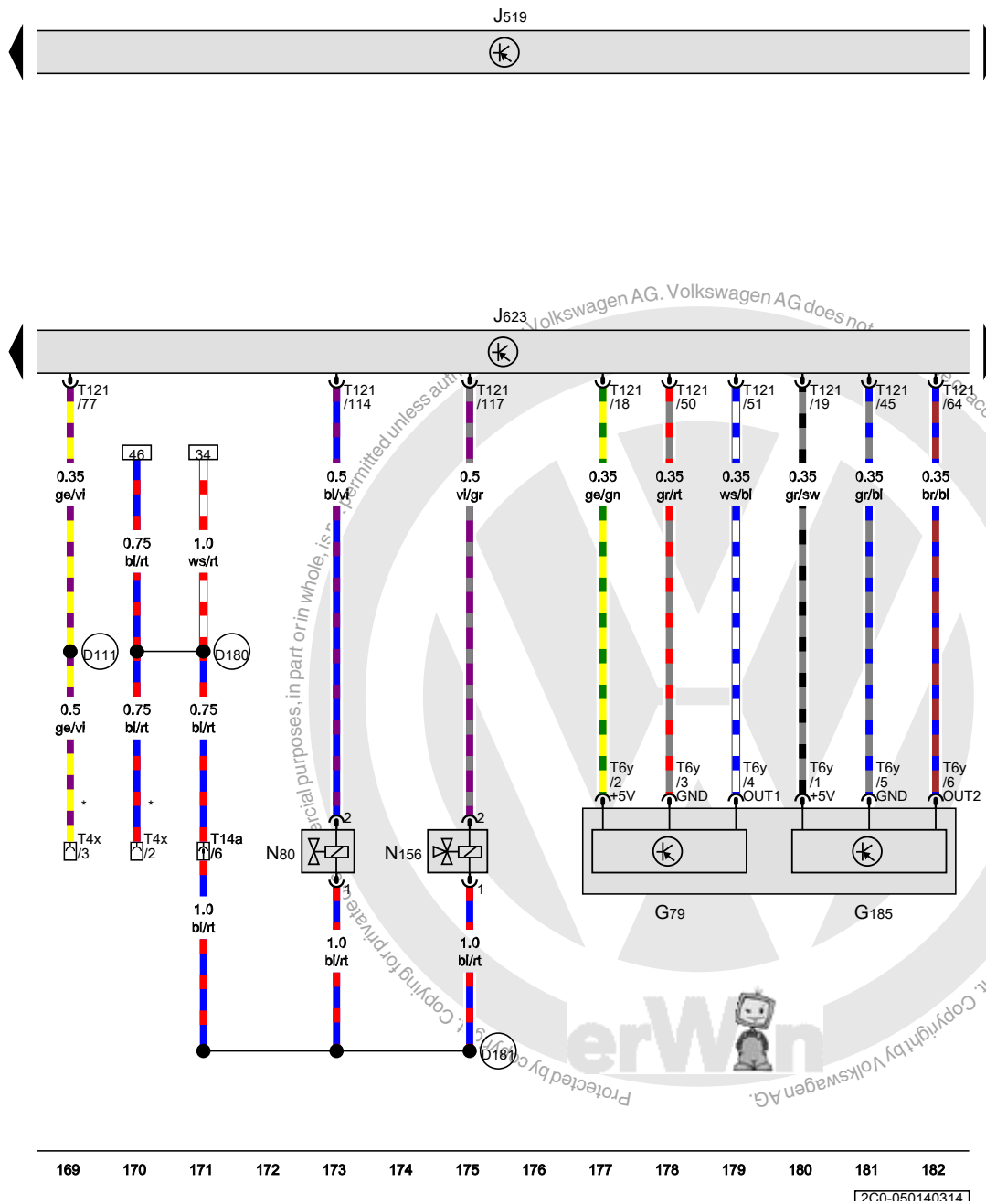


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Accelerator position sender, Accelerator position sender 2, Onboard supply control unit, Engine control unit, Activated charcoal filter solenoid valve 1, Variable intake manifold changeover valve

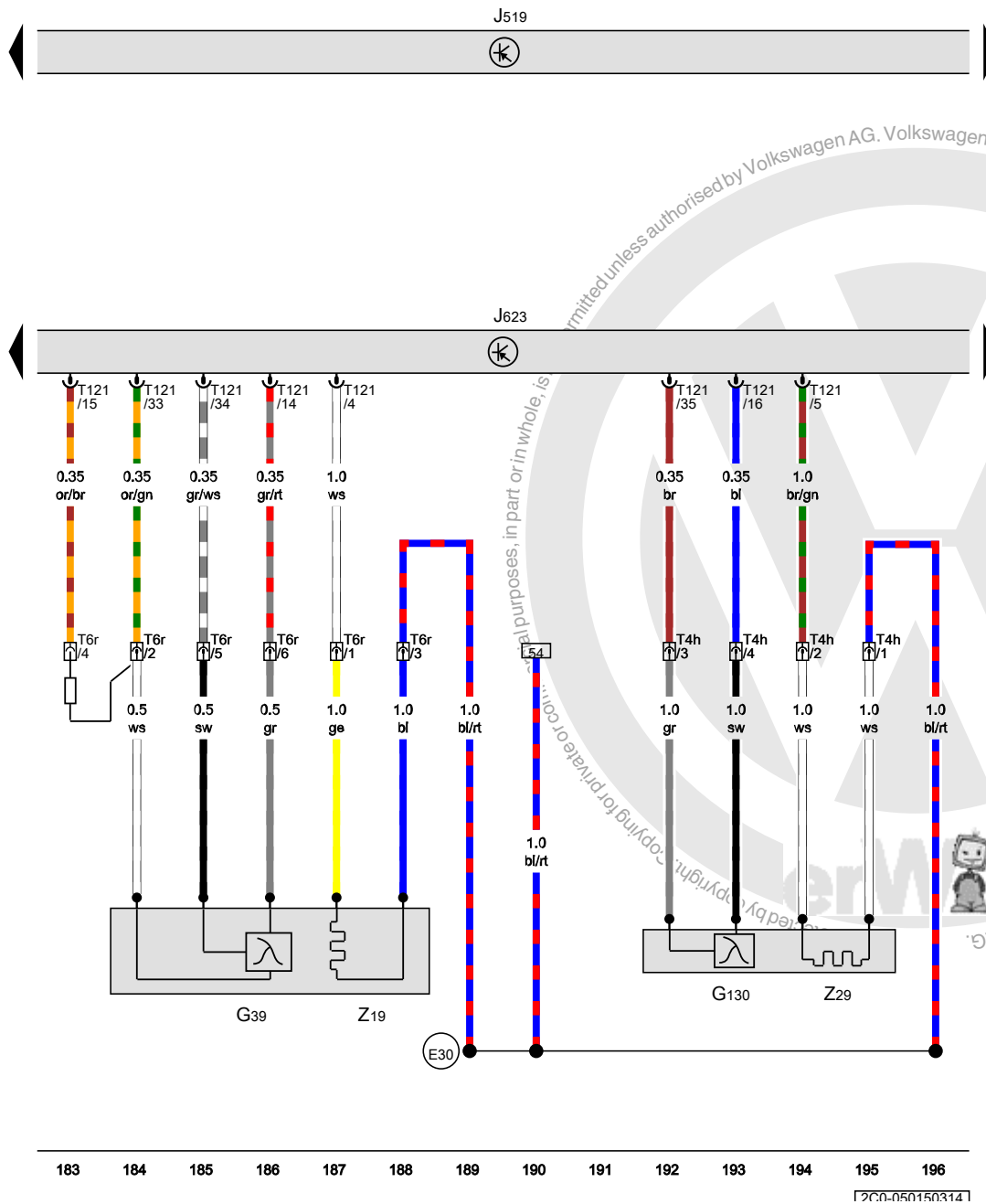
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N80 Activated charcoal filter solenoid valve 1
- N156 Variable intake manifold changeover valve
- T4x 4-pin connector, black
- T6y 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- D181 Connection 2 (87a) in engine compartment wiring harness
- * Radiator fan connection



Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

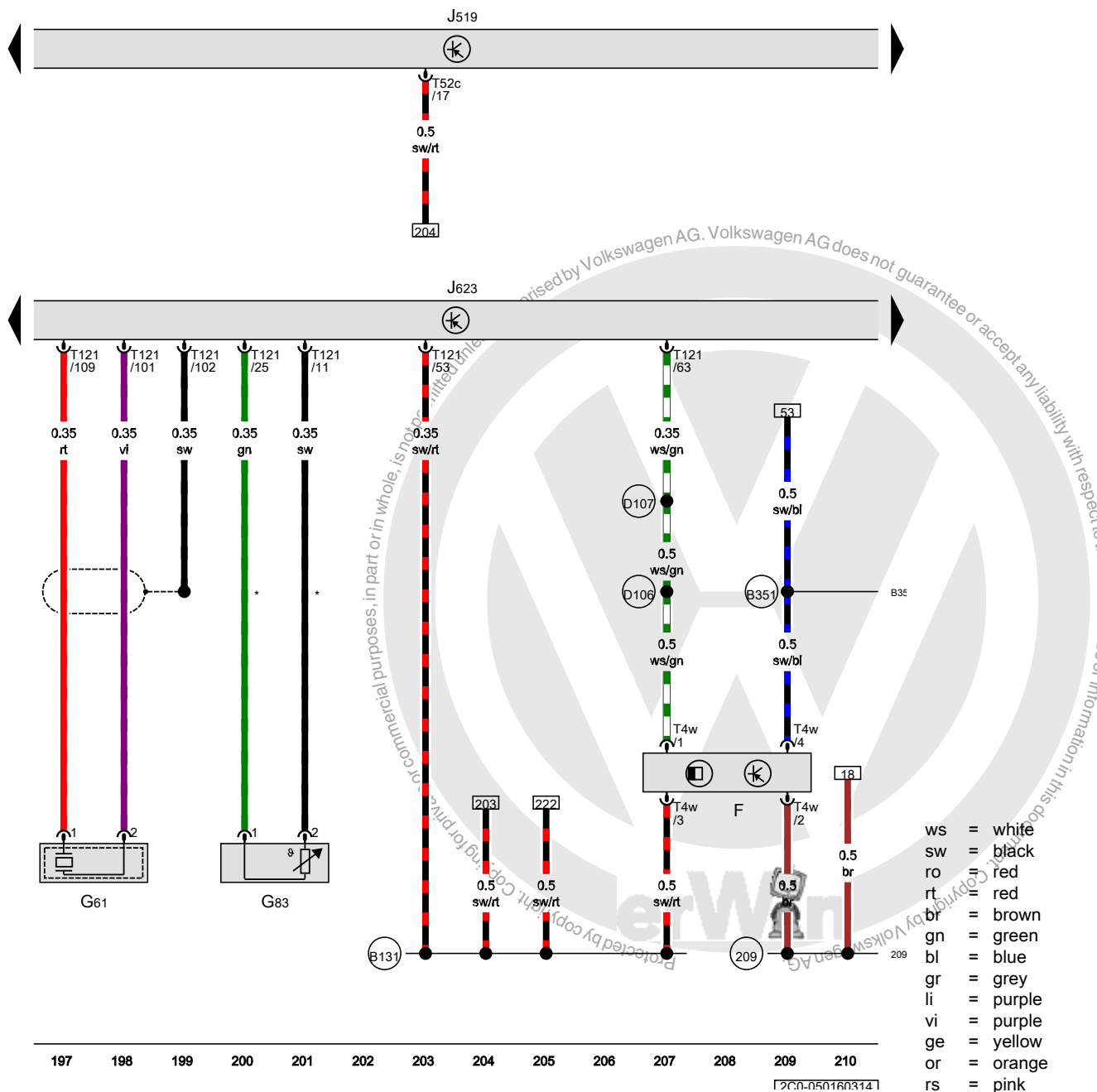
- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness



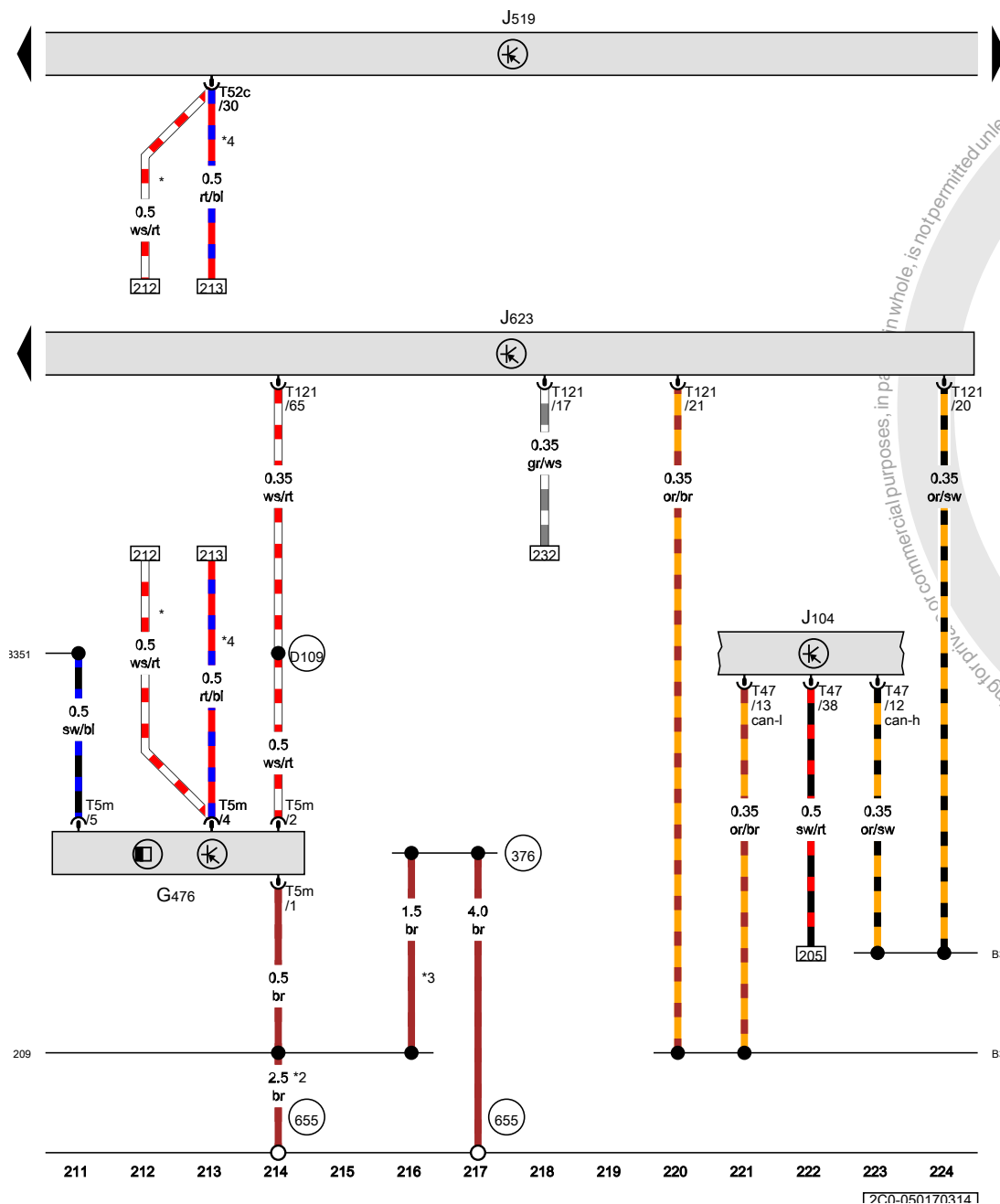
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Brake light switch, Knock sensor 1, Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit

- F Brake light switch
- G61 Knock sensor 1
- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4w 4-pin connector, black
- T52c 52-pin connector, brown
- T121 121-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- * Only models with air conditioning system



Clutch position sender, Onboard supply control unit, Engine control unit



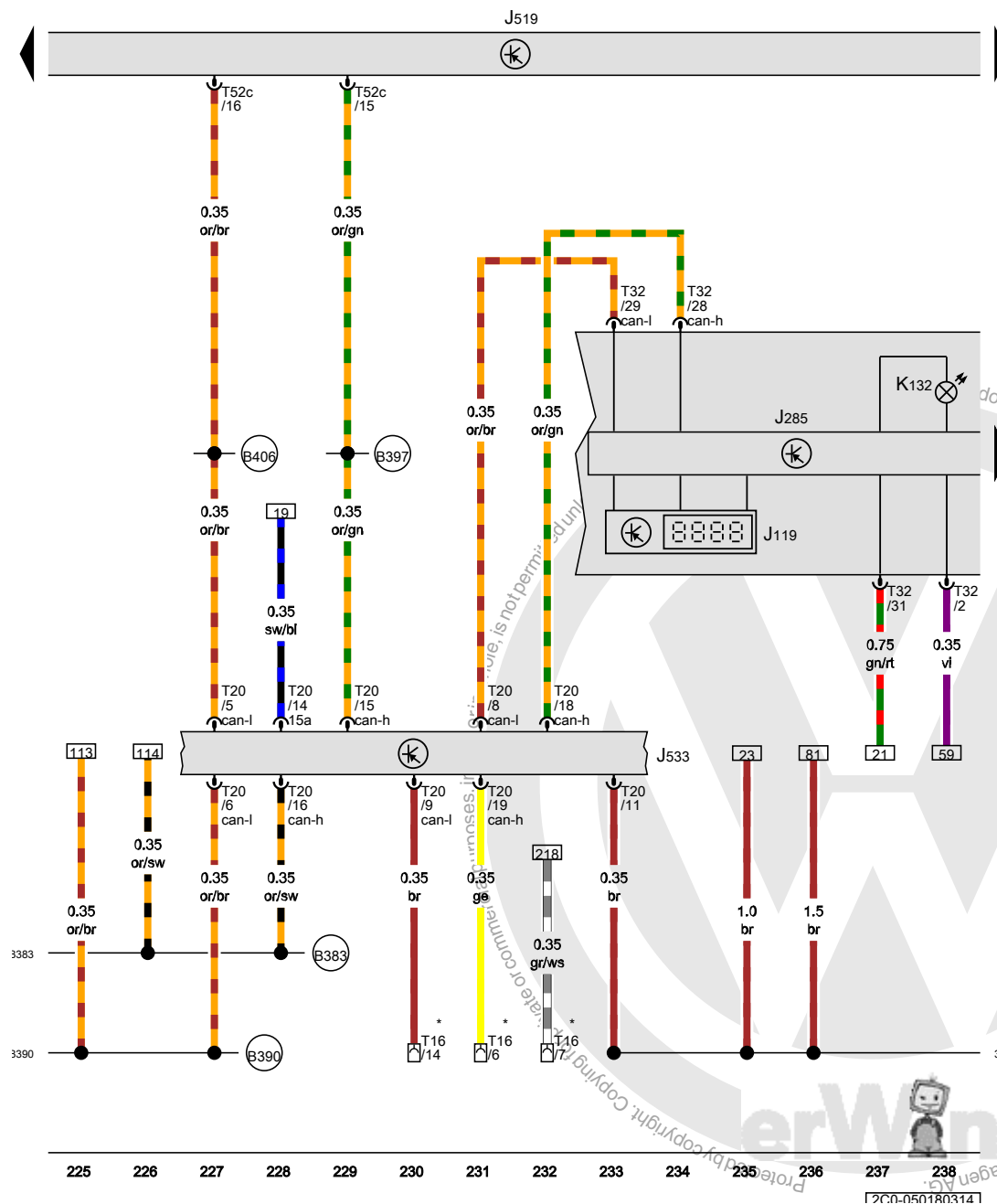
- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5m 5-pin connector, black
- T47 47-pin connector
- T52c 52-pin connector, brown
- T121 121-pin connector

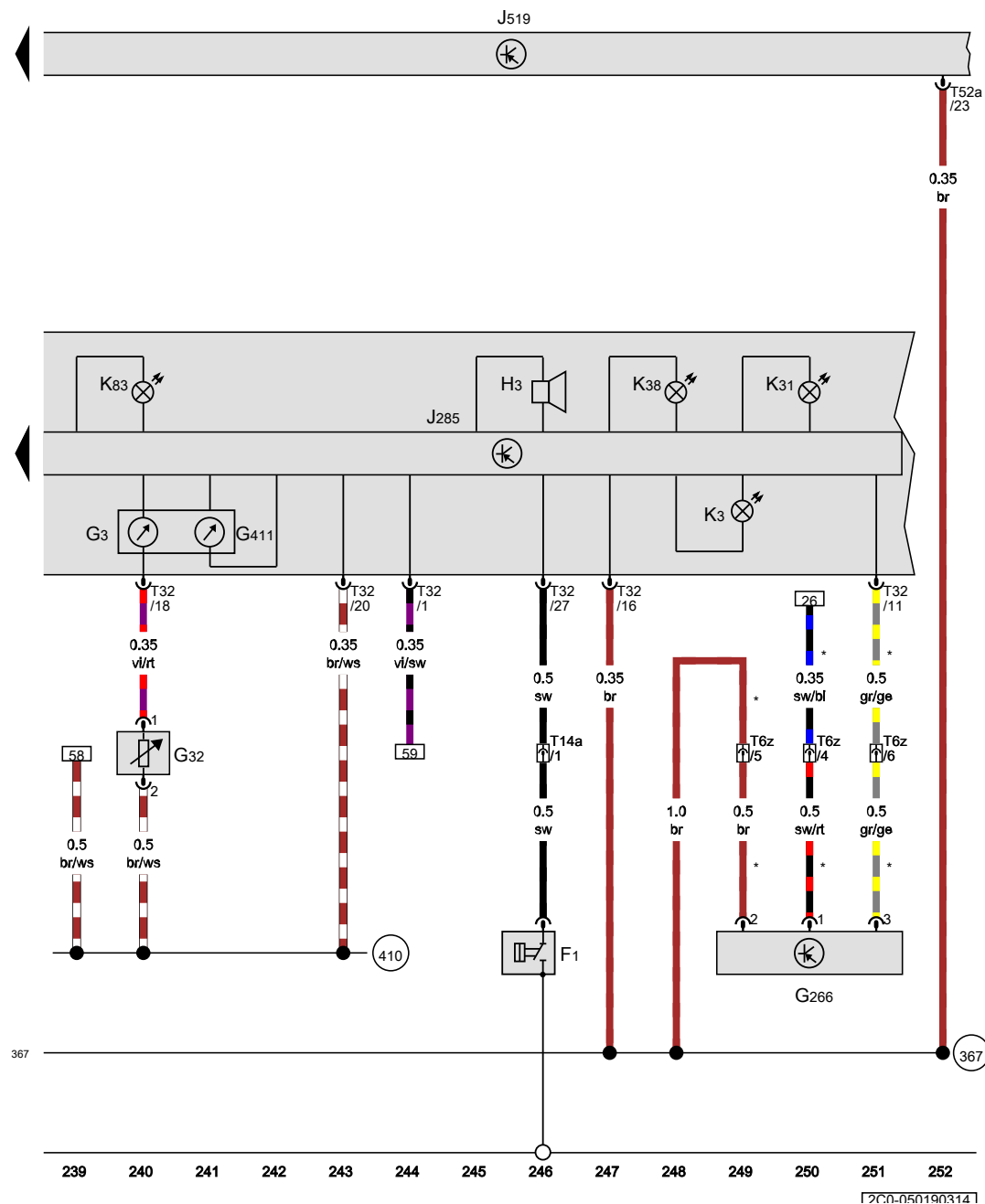
- 209 Earth connection 6, in engine compartment wiring harness
- 376 Earth connection 11, in main wiring harness
- 655 Earth point, on left headlight
- B351 Positive connection 2 (87a) in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- D109 Connection 7 in engine compartment wiring harness

- * Only left-hand drive models
- *2 From May 2012
- *3 Up to April 2012
- *4 Only right-hand drive models

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- rs = pink

Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface





Oil pressure switch, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Natural gas gauge, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- G411 Natural gas gauge
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

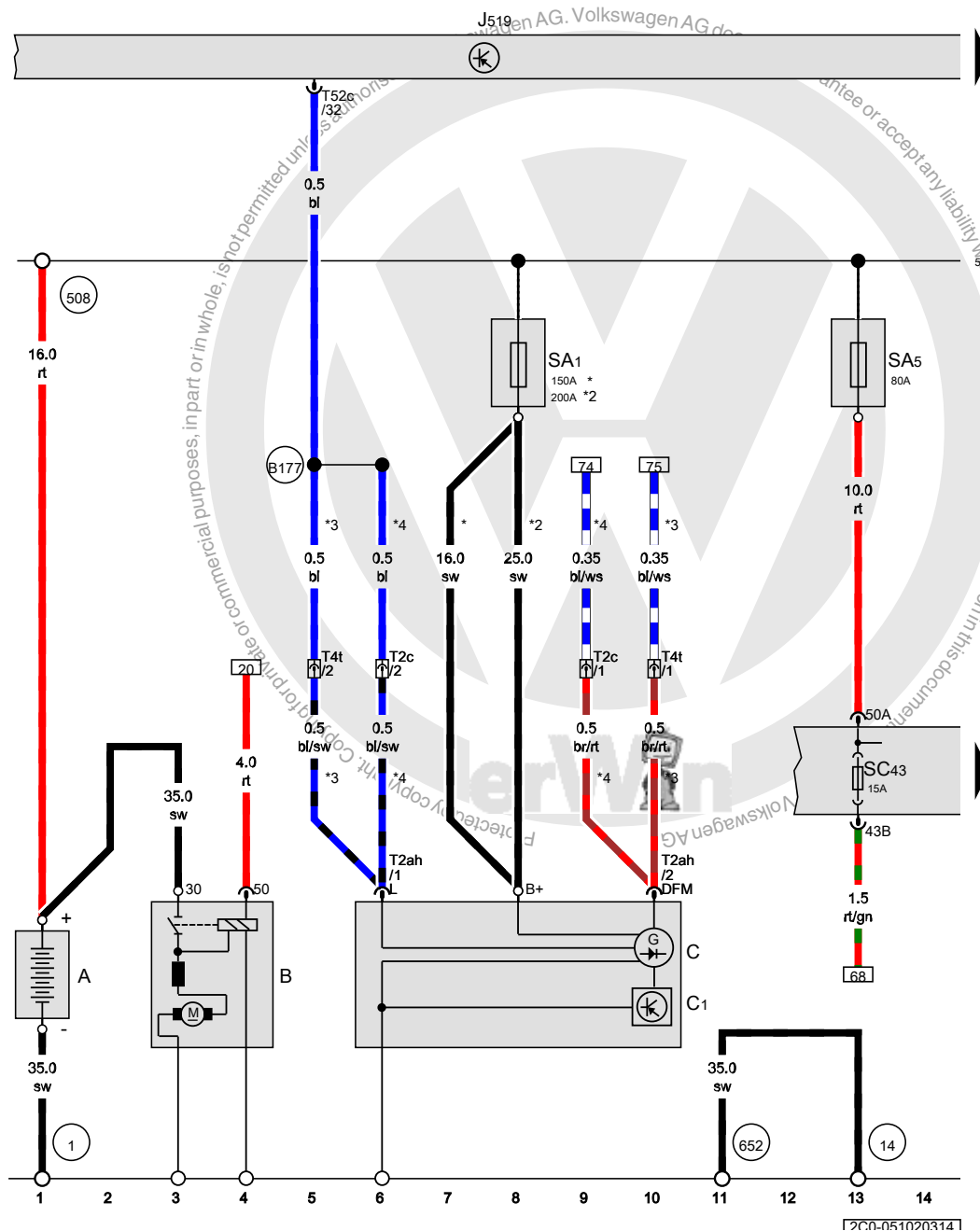
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2.0l petrol engine , BSX

From November 2011

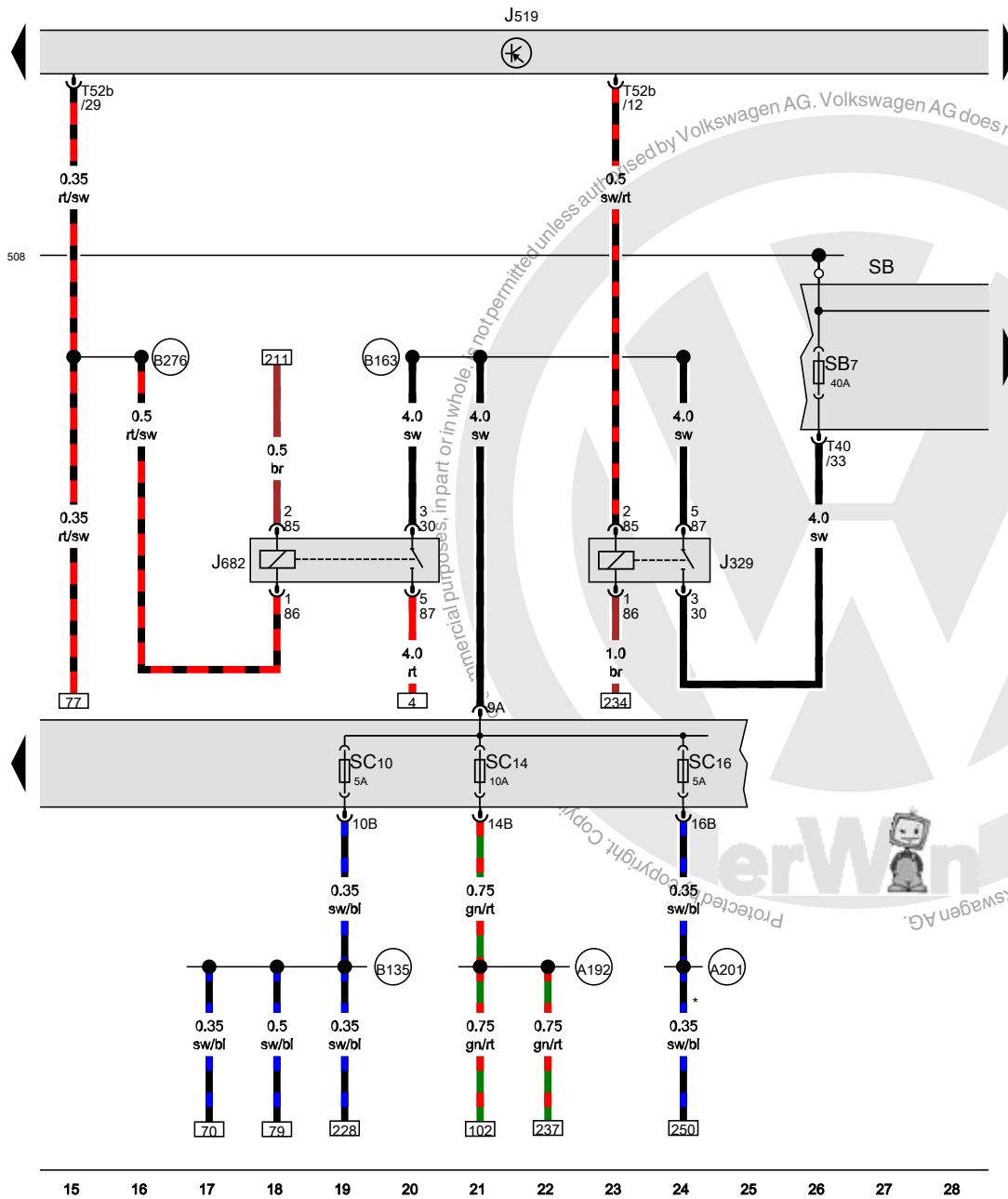


Battery, Starter, Alternator, Onboard supply control unit,
Fuse 1 in fuse holder A, Fuse 5 in fuse holder A, Fuse 43
on fuse holder C



- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- J519 Onboard supply control unit
- SA1 Fuse 1 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SC43 Fuse 43 on fuse holder C
- T2ah 2-pin connector, black
- T2c 2-pin connector, near starter, black
- T4t 4-pin connector, near starter, black
- T52c 52-pin connector, brown
- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- B177 Connection (61), in interior wiring harness
- * Only models with 90 A/ 120 A alternator
- *2 Only models with 140 A alternator
- *3 Only models with air conditioning system
- *4 Only models with no air conditioning system

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



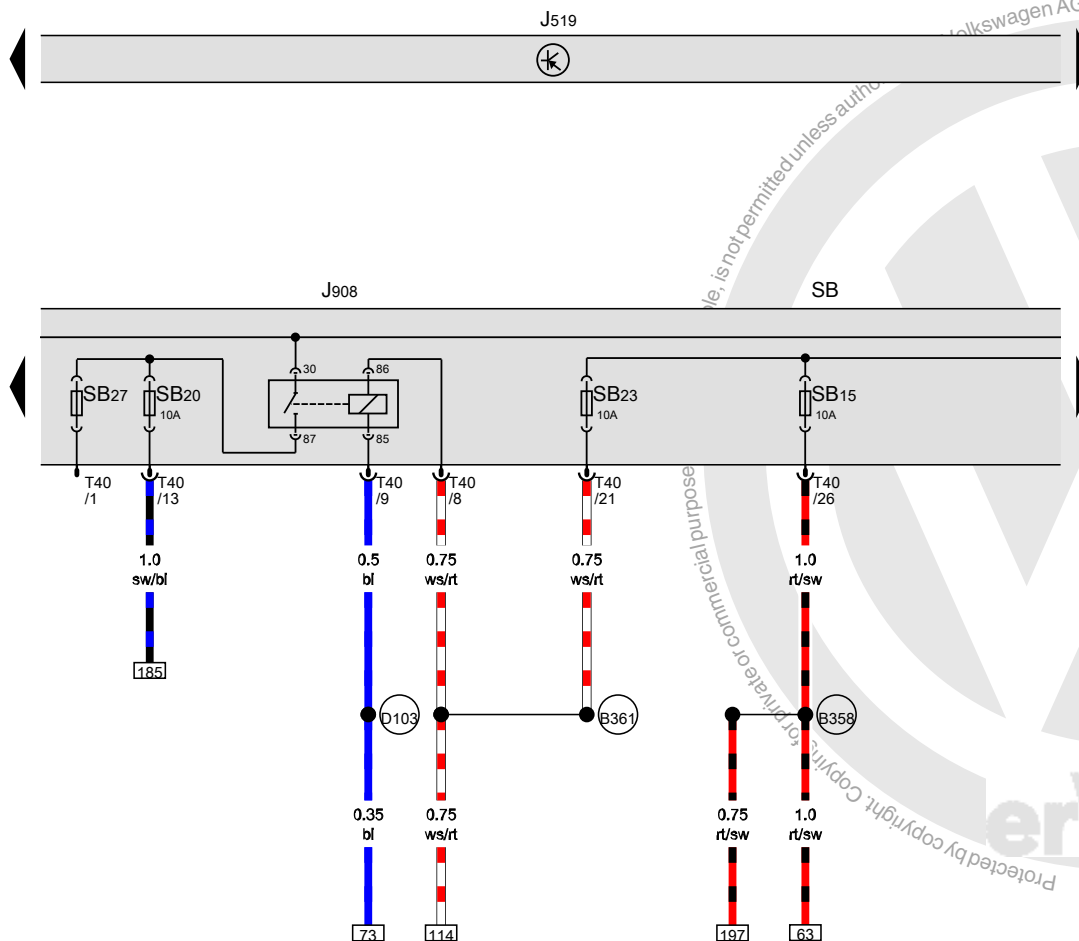
Terminal 15 voltage supply relay, Onboard supply control unit, Terminal 50 voltage supply relay, Fuse holder B, Fuse 10 on fuse holder C, Fuse 14 on fuse holder C, Fuse 16 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- SB Fuse holder B
- SB7 Fuse 7 on fuse holder B
- SC10 Fuse 10 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T40 40-pin connector
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B276 Positive connection (50), in main wiring harness
- * Only models with flexible service interval display

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Onboard supply control unit, Relay for gas shut-off valves,
Fuse holder B



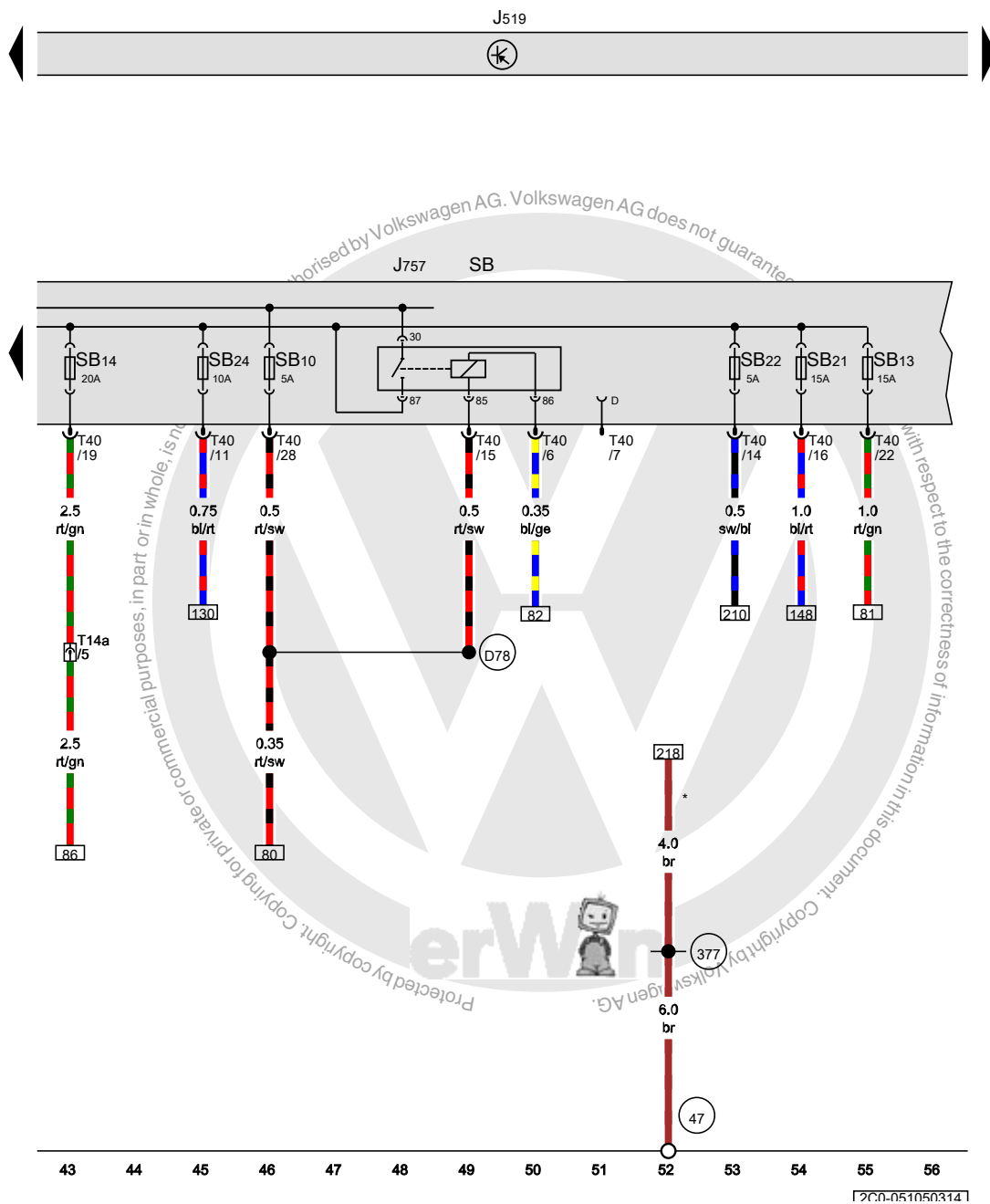
- J519 Onboard supply control unit
- J908 Relay for gas shut-off valves
- SB Fuse holder B
- SB15 Fuse 15 on fuse holder B
- SB20 Fuse 20 on fuse holder B
- SB23 Fuse 23 on fuse holder B
- SB27 Fuse 27 on fuse holder B
- T40 40-pin connector

- B358 Positive connection 9 (87a) in main wiring harness
- B361 Positive connection 12 (87a) in main wiring harness
- D103 Connection 3 in engine compartment wiring harness

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Onboard supply control unit, Engine component current supply relay, Fuse holder B

- J519 Onboard supply control unit
- J757 Engine component current supply relay
- SB Fuse holder B
- SB10 Fuse 10 on fuse holder B
- SB13 Fuse 13 on fuse holder B
- SB14 Fuse 14 on fuse holder B
- SB21 Fuse 21 on fuse holder B
- SB22 Fuse 22 on fuse holder B
- SB24 Fuse 24 on fuse holder B
- T14a 14-pin connector, near left headlight, black
- T40 40-pin connector
- 47 Earth point, in front right footwell
- 377 Earth connection 12, in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- * Only right-hand drive models

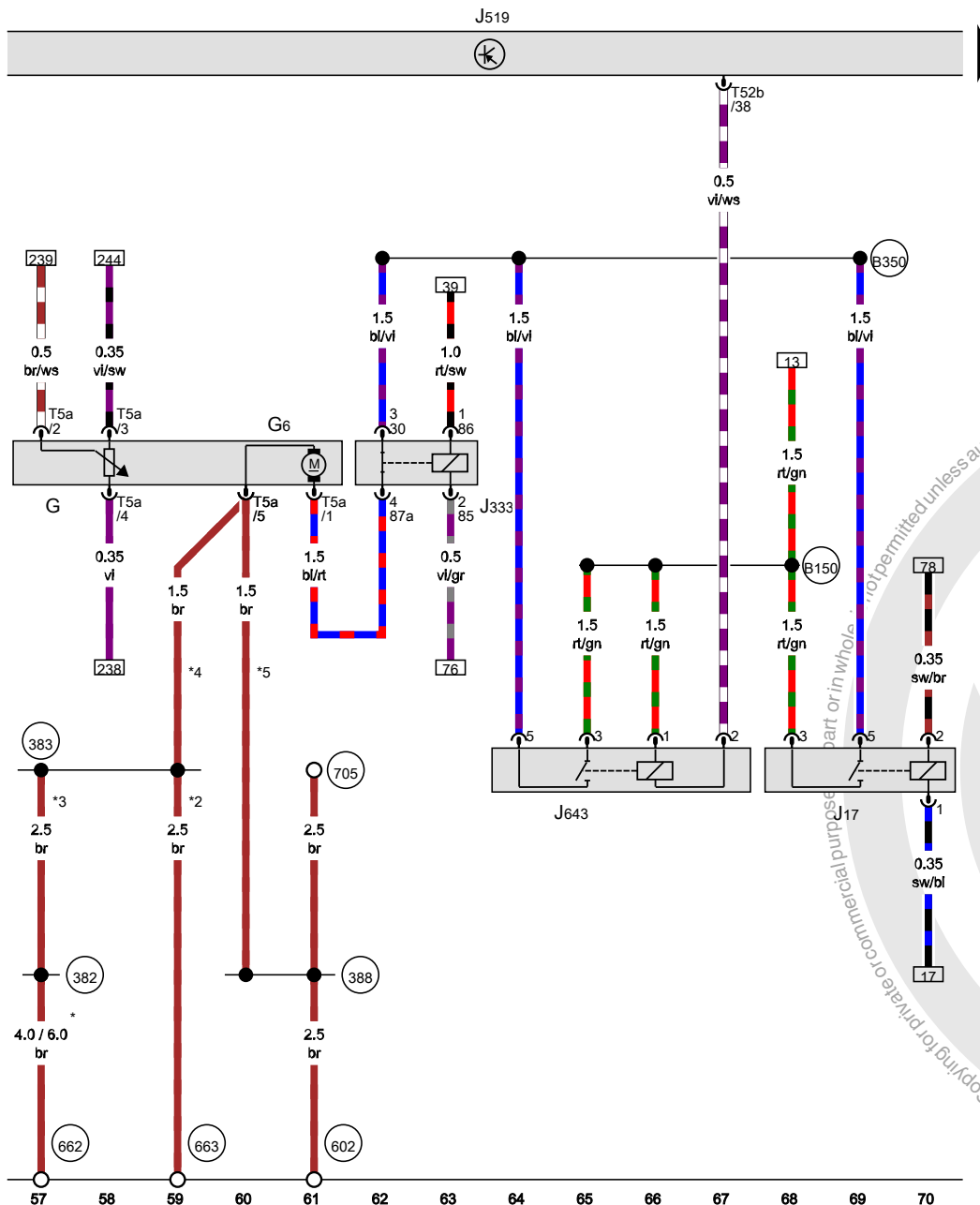


Fuel gauge sender, Fuel system pressurisation pump, Fuel pump relay, Fuel pump switch-off relay, Onboard supply control unit, Fuel supply relay

- G Fuel gauge sender
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J333 Fuel pump switch-off relay
- J519 Onboard supply control unit
- J643 Fuel supply relay
- T5a 5-pin connector, black
- T52b 52-pin connector, white

- 382 Earth connection 17, in main wiring harness
- 383 Earth connection 18, in main wiring harness
- 388 Earth connection 23, in main wiring harness
- 602 Earth point, in front left footwell
- 662 Earth point, rear left side panel
- 663 Earth point, rear right side panel
- 705 Earth point on fuel tank
- B150 Positive connection 2 (30a), in interior wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- * According to equipment
- *2 Optional equipment
- *3 Only models with basic equipment
- *4 Up to April 2012
- *5 From May 2012

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700-051060314

Onboard supply control unit, Engine control unit

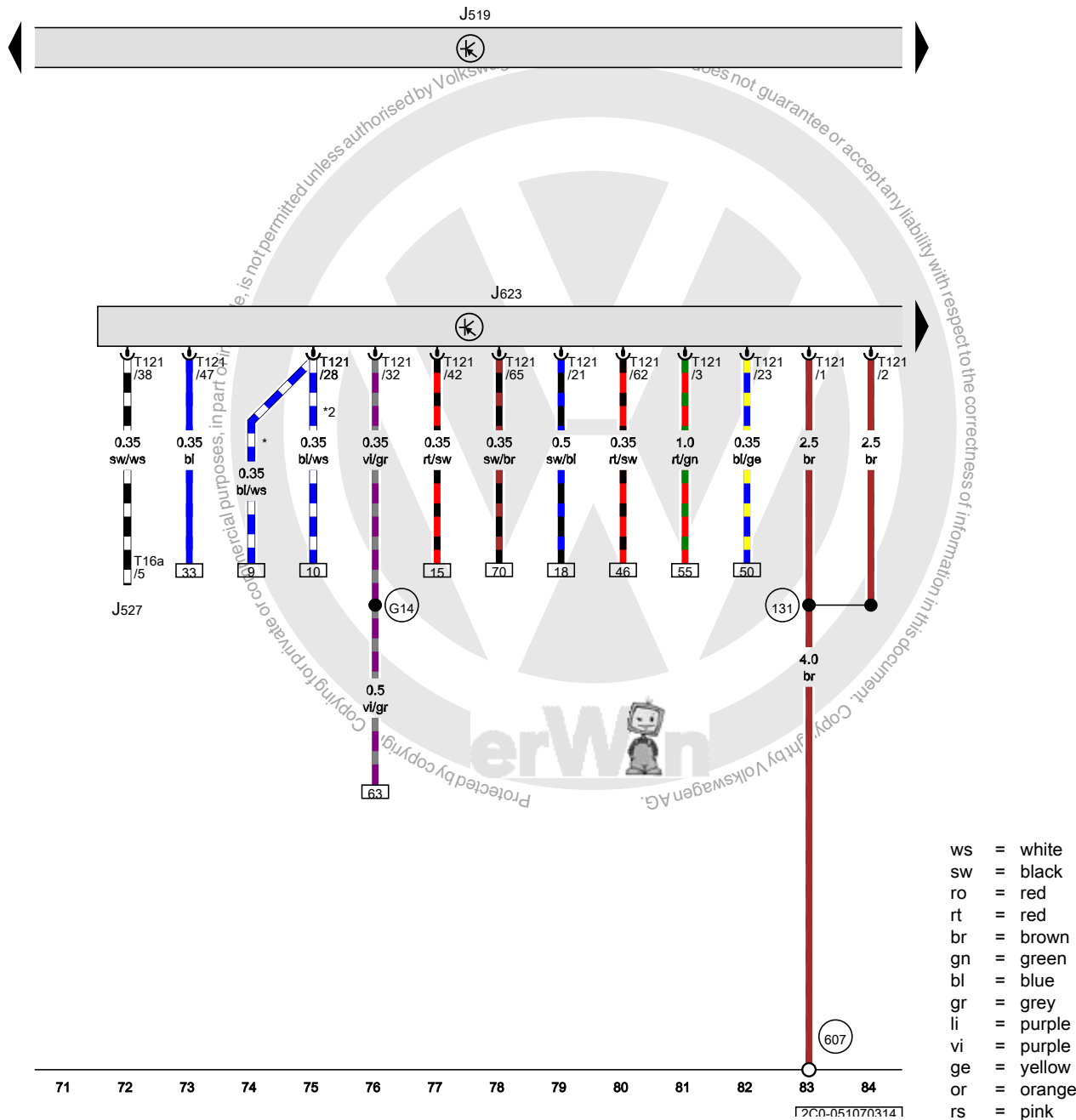
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit, central in plenum chamber
- T16a 16-pin connector
- T121 121-pin connector

- 131 Earth connection 2, in engine compartment wiring harness

- 607 Earth point, on left in plenum chamber

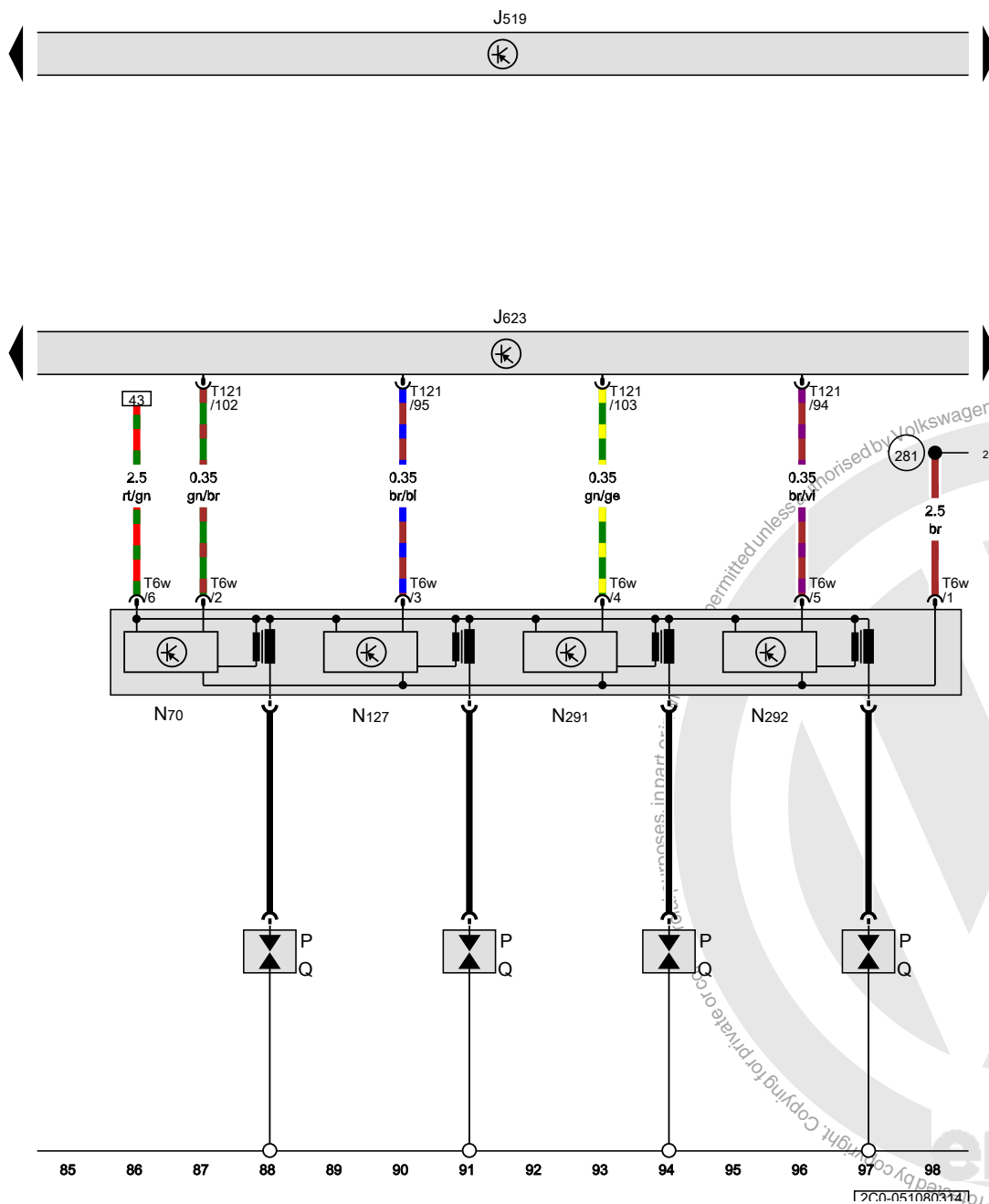
- G14 Connection 3 in gas mode wiring harness

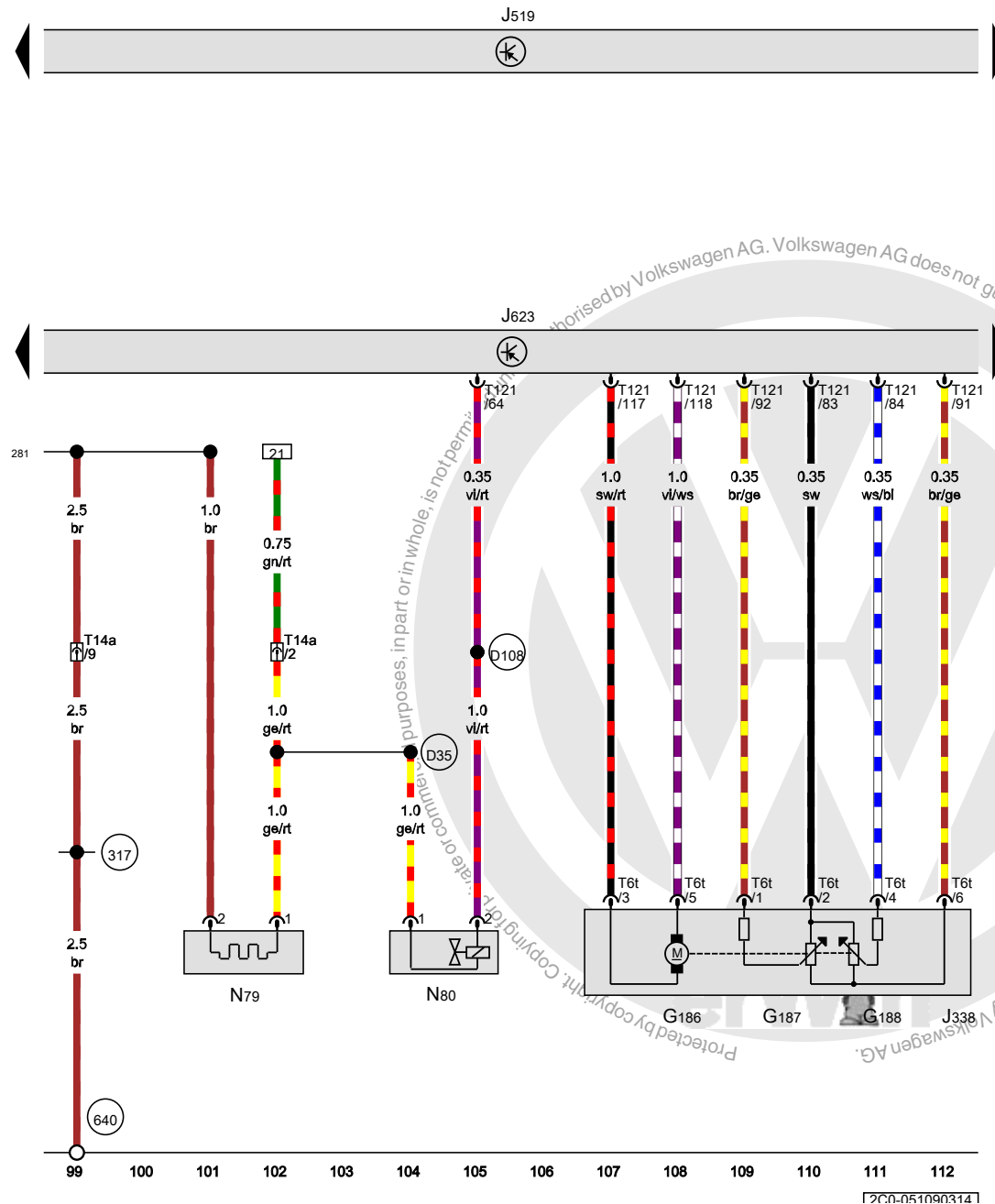
- * Only models with no air conditioning system
- *2 Only models with air conditioning system



Onboard supply control unit, Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plugs

- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N70 Ignition coil 1 with output stage
- N127 Ignition coil 2 with output stage
- N291 Ignition coil 3 with output stage
- N292 Ignition coil 4 with output stage
- P Spark plug connector
- Q Spark plugs
- T6w 6-pin connector, black
- T121 121-pin connector
- 281 Earth point 1, engine prewiring harness





Throttle valve module, Onboard supply control unit, Engine control unit, Heater element for crankcase breather, Activated charcoal filter solenoid valve 1

- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N79 Heater element for crankcase breather
- N80 Activated charcoal filter solenoid valve 1
- T6t 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

- 281 Earth point 1, engine prewiring harness
- 317 Earth connection 7, in engine compartment wiring harness
- 640 Earth point 2, left in engine compartment
- D35 Positive connection 1 (15a) in engine prewiring harness
- D108 Connection 6 in engine compartment wiring harness

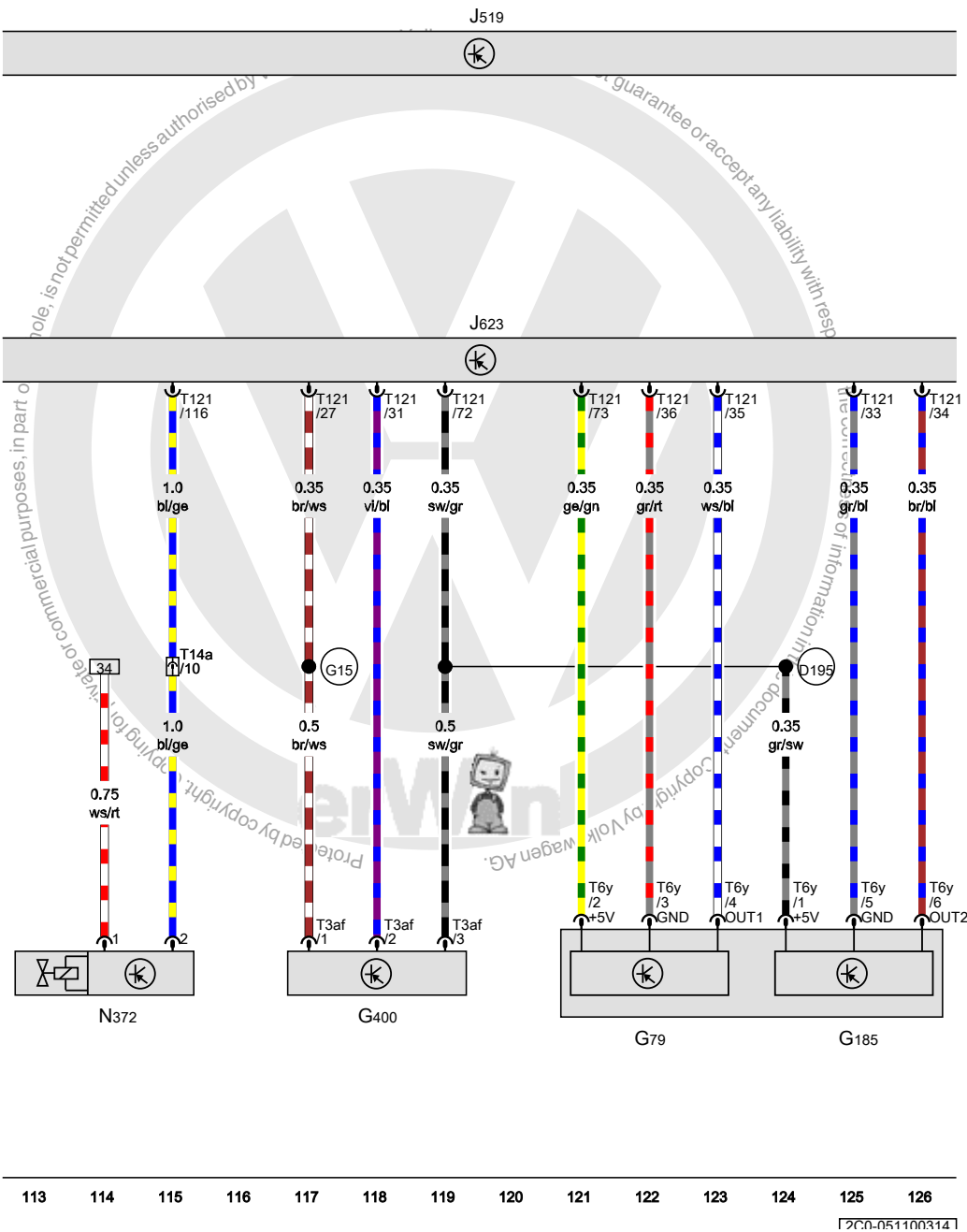
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Accelerator position sender, Accelerator position sender 2, Tank pressure sensor, Onboard supply control unit, Engine control unit, High-pressure valve for gas mode

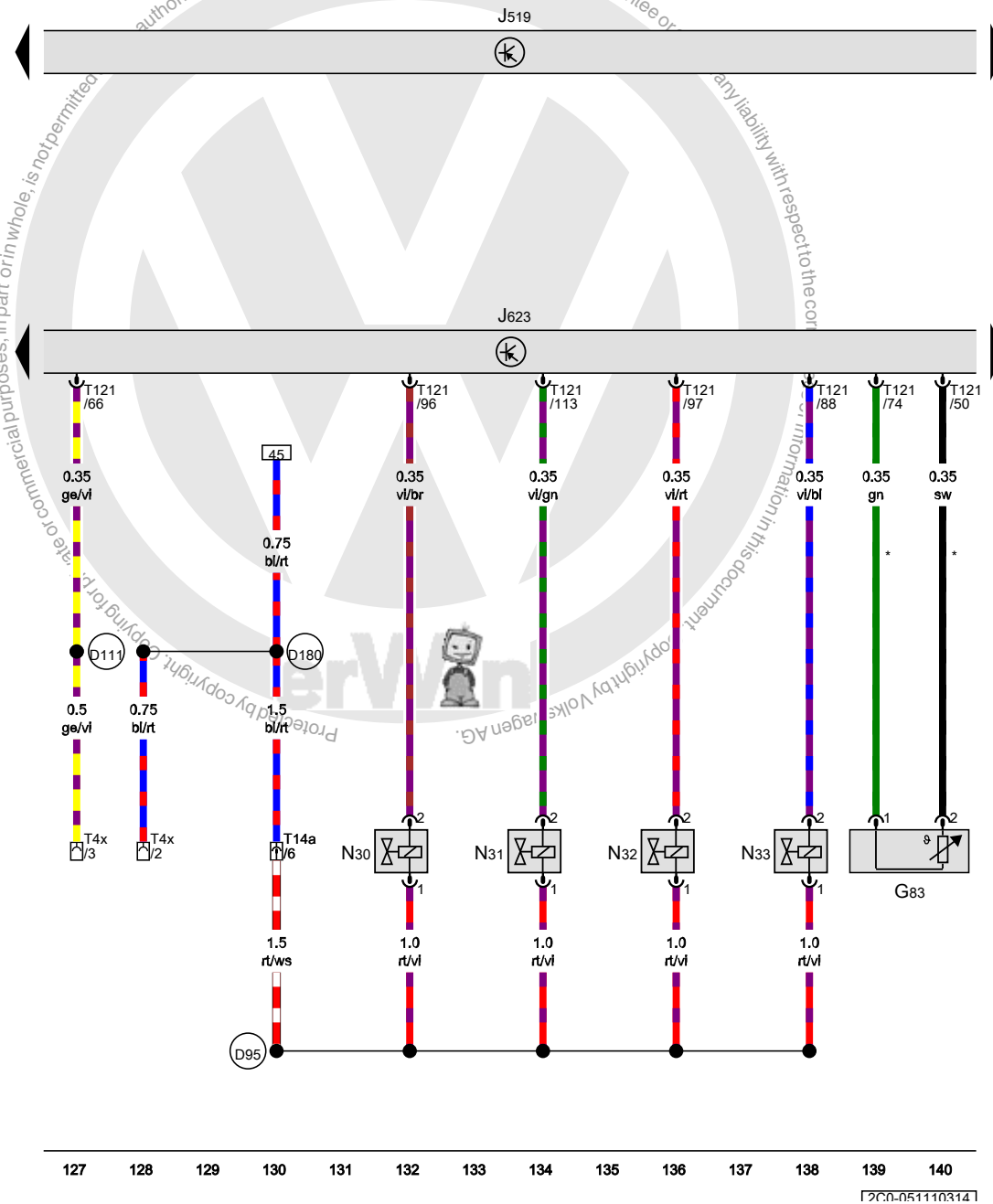
- G79 Accelerator position sender
- G185 Accelerator position sender 2
- G400 Tank pressure sensor
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N372 High-pressure valve for gas mode
- T3af 3-pin connector, black
- T6y 6-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

D195 Connection 1 (5V) in engine compartment wiring harness

G15 Connection 4 in gas mode wiring harness



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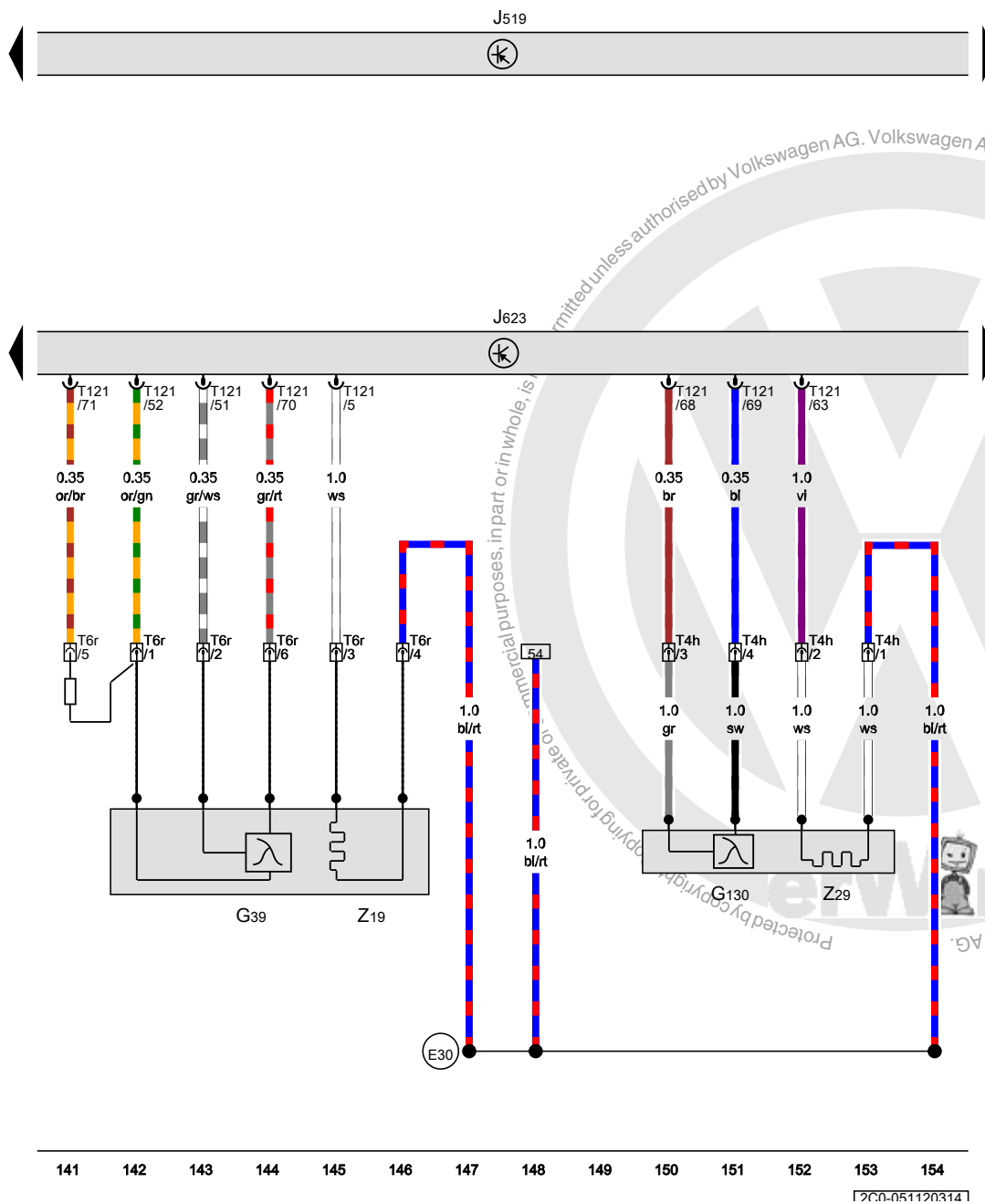


Radiator outlet coolant temperature sender, Onboard supply control unit, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

- G83 Radiator outlet coolant temperature sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- T4x 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector
- D95 Connection (injectors), in engine compartment wiring harness
- D111 Connection 9 in engine compartment wiring harness
- D180 Connection (87a), in engine compartment wiring harness
- * Only models with air conditioning system

Lambda probe, Lambda probe after catalytic converter,
Onboard supply control unit, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T4h 4-pin connector, in rear of engine compartment, black
- T6r 6-pin connector, in rear of engine compartment, black
- T121 121-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter
- E30 Connection (87a), in engine wiring harness

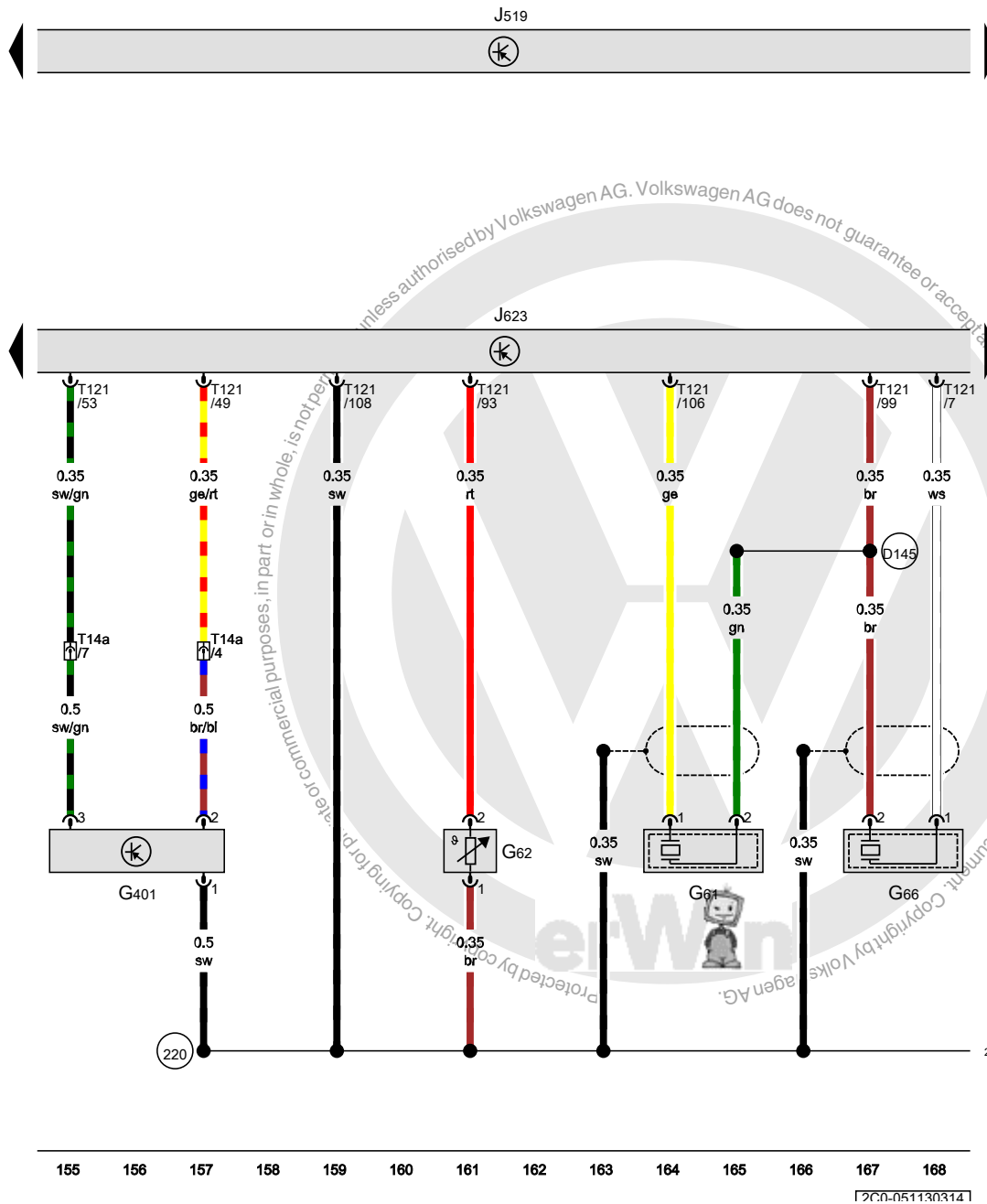


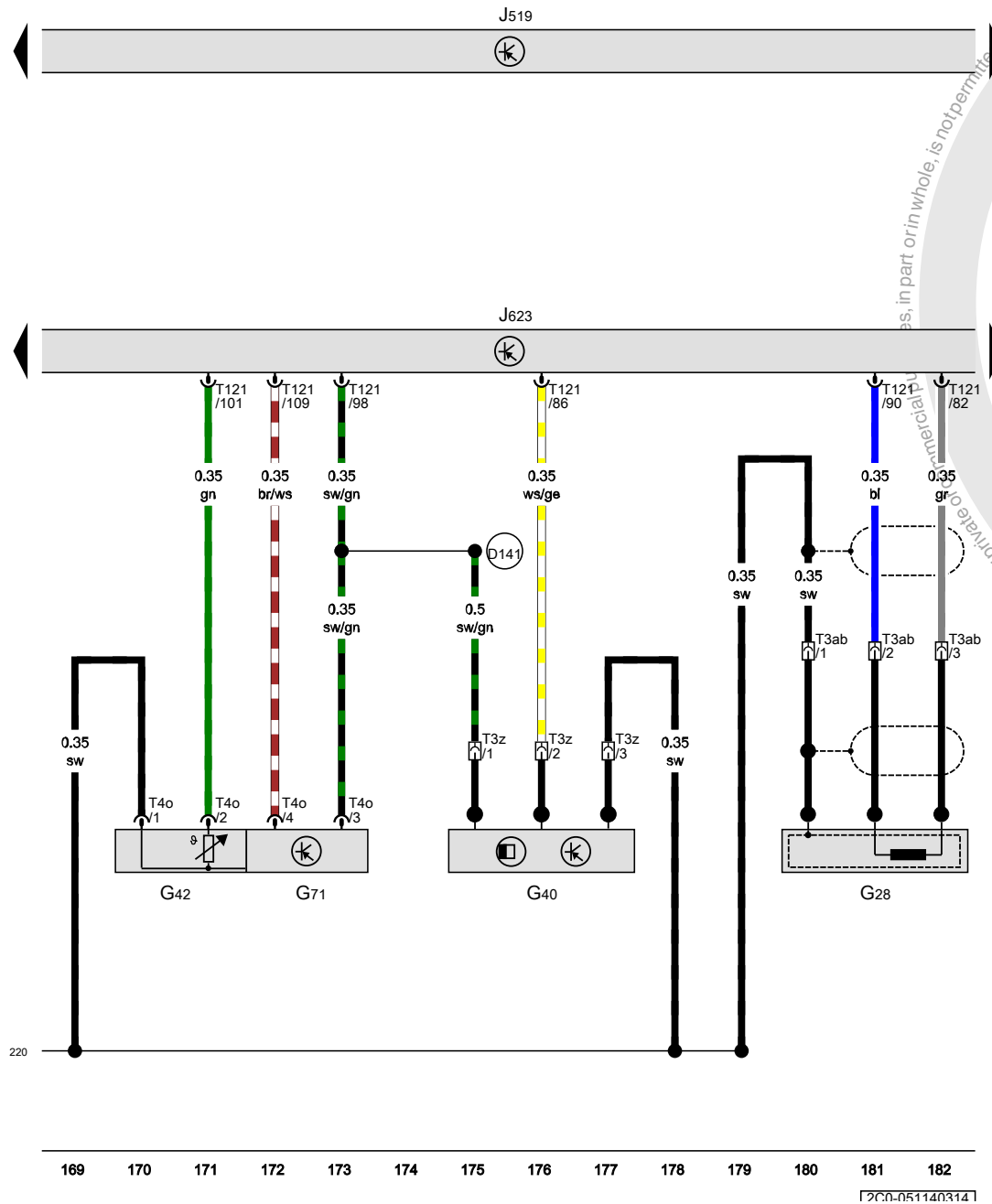
Knock sensor 1, Coolant temperature sender, Knock sensor 2, Gas rail sensor, Onboard supply control unit, Engine control unit

- G61 Knock sensor 1
- G62 Coolant temperature sender
- G66 Knock sensor 2
- G401 Gas rail sensor
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T14a 14-pin connector, near left headlight, black
- T121 121-pin connector

220 Earth connection (sender earth), in engine wiring harness

D145 Connection (knock sensors), in engine prewiring harness





Engine speed sender, Hall sender, Intake air temperature sender, Intake manifold pressure sender, Onboard supply control unit, Engine control unit

- G28 Engine speed sender
- G40 Hall sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T3ab 3-pin connector, on front of engine, grey
- T3z 3-pin connector, on front of engine, black
- T4o 4-pin connector, black
- T121 121-pin connector

- 220 Earth connection (sender earth), in engine wiring harness
- D141 Connection (5V) in engine prewiring harness
- * Radiator fan connection

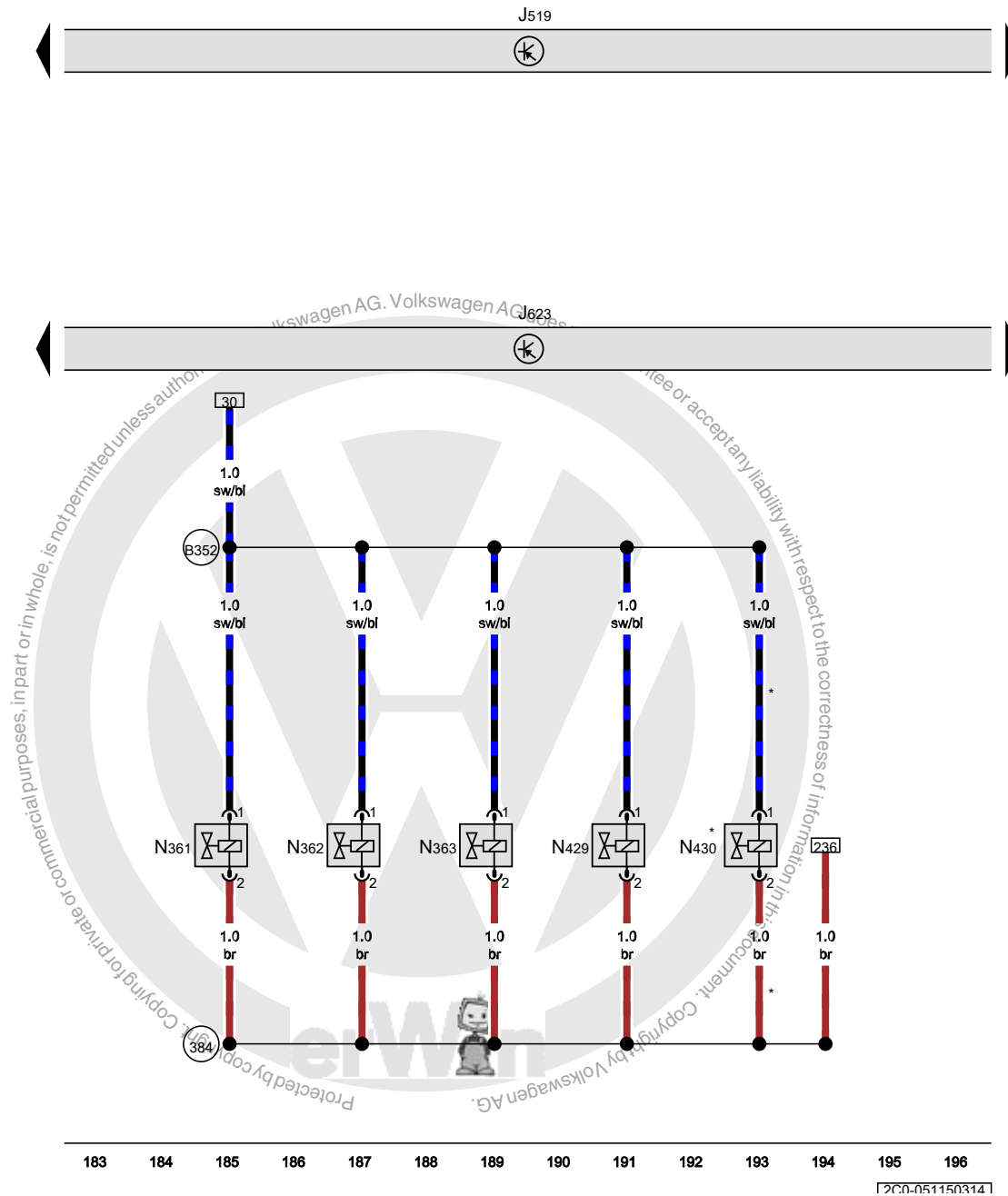
Onboard supply control unit, Engine control unit, Fuel tank shut-off valve 1, Fuel tank shut-off valve 2, Fuel tank shut-off valve 3, Fuel tank shut-off valve 4, Fuel tank shut-off valve 5

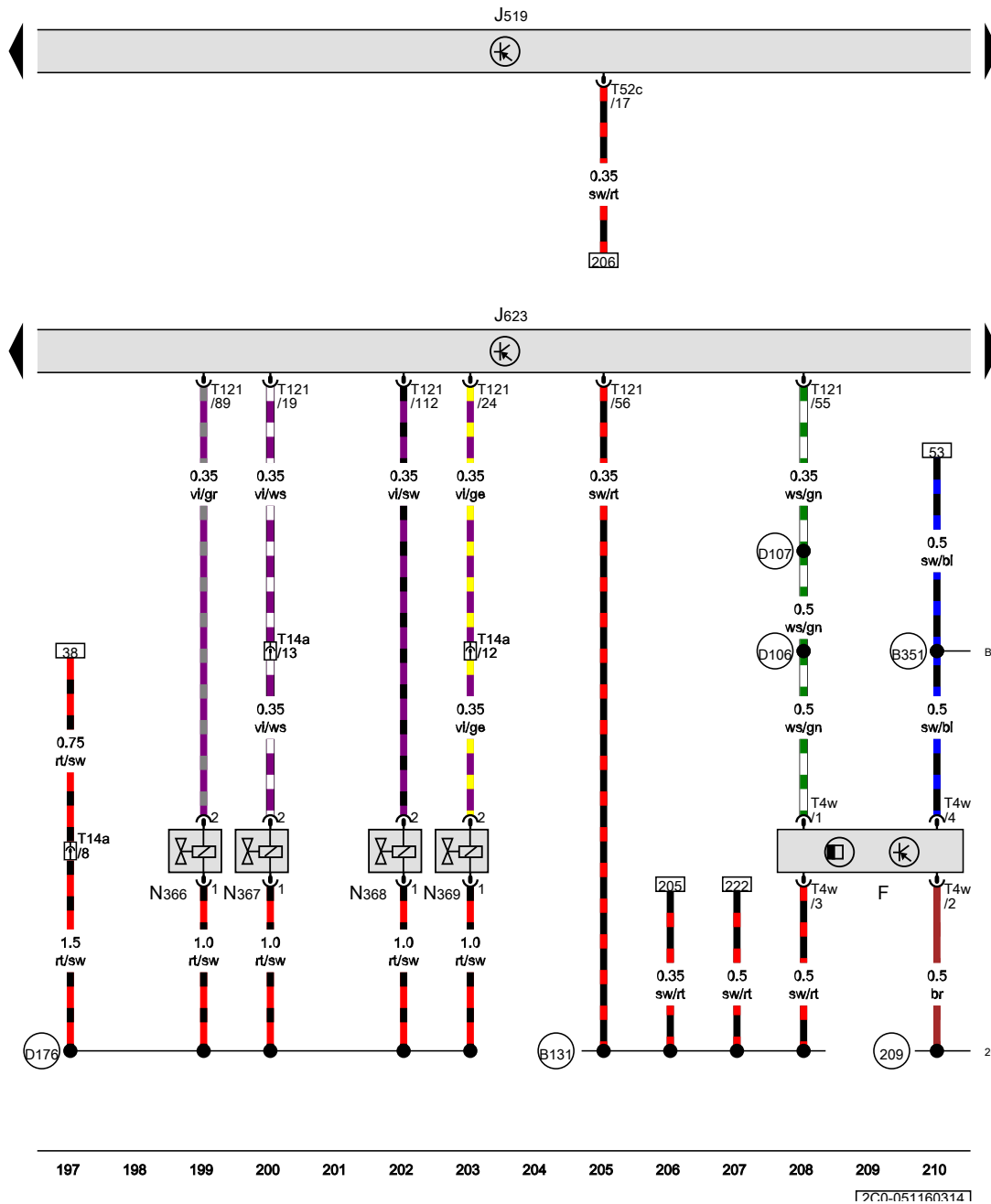
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N361 Fuel tank shut-off valve 1
- N362 Fuel tank shut-off valve 2
- N363 Fuel tank shut-off valve 3
- N429 Fuel tank shut-off valve 4
- N430 Fuel tank shut-off valve 5

384 Earth connection 19, in main wiring harness

B352 Positive connection 3 (87a) in main wiring harness

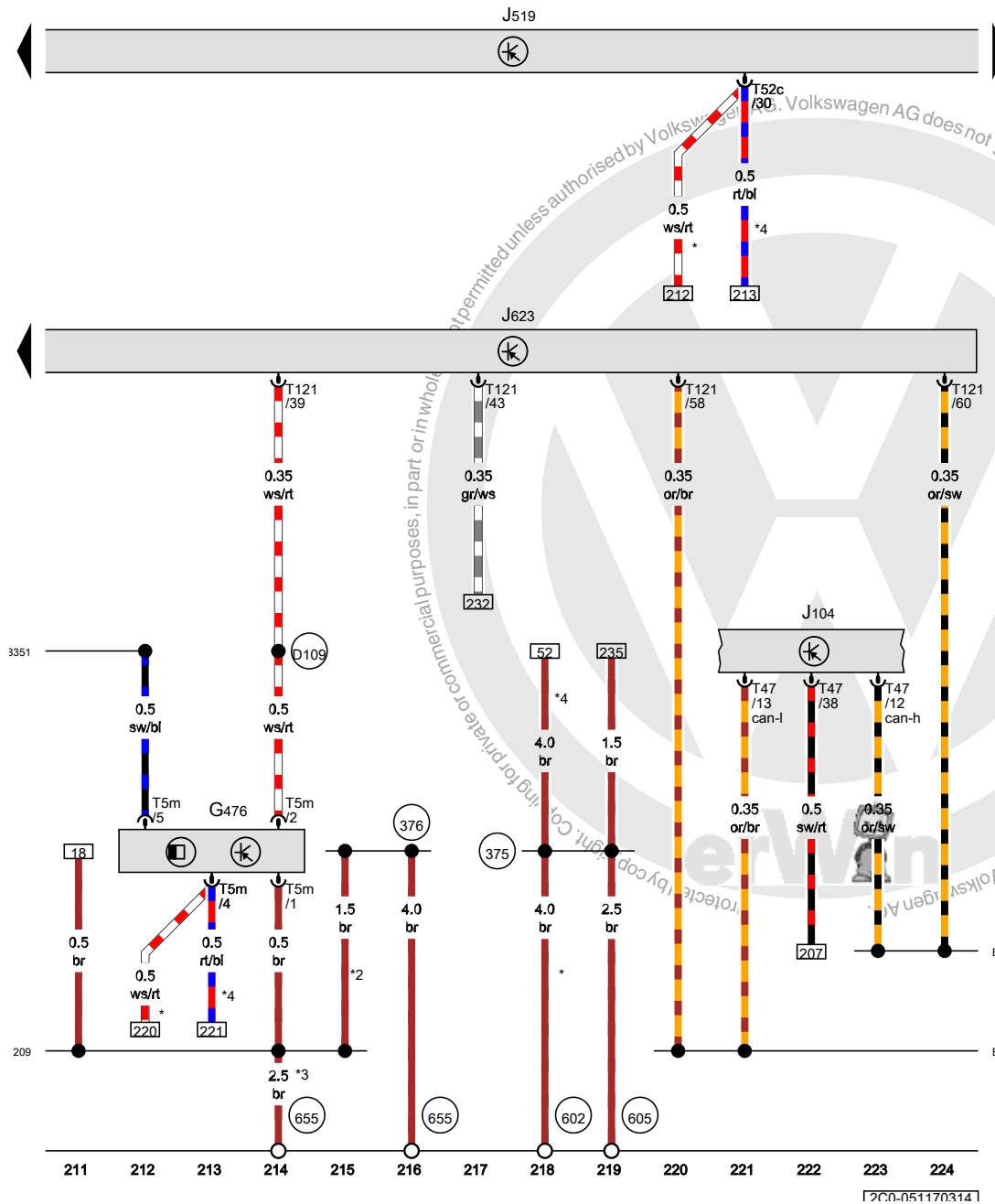
* Only Caddy Maxi





Brake light switch, Onboard supply control unit, Engine control unit, Gas injection valve 1, Gas injection valve 2, Gas injection valve 3, Gas injection valve 4

- F Brake light switch
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- N366 Gas injection valve 1
- N367 Gas injection valve 2
- N368 Gas injection valve 3
- N369 Gas injection valve 4
- T4w 4-pin connector, black
- T14a 14-pin connector, near left headlight, black
- T52c 52-pin connector, brown
- T121 121-pin connector
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness
- D176 Connection (gas injector), in engine compartment wiring harness



Clutch position sender, Onboard supply control unit, Engine control unit

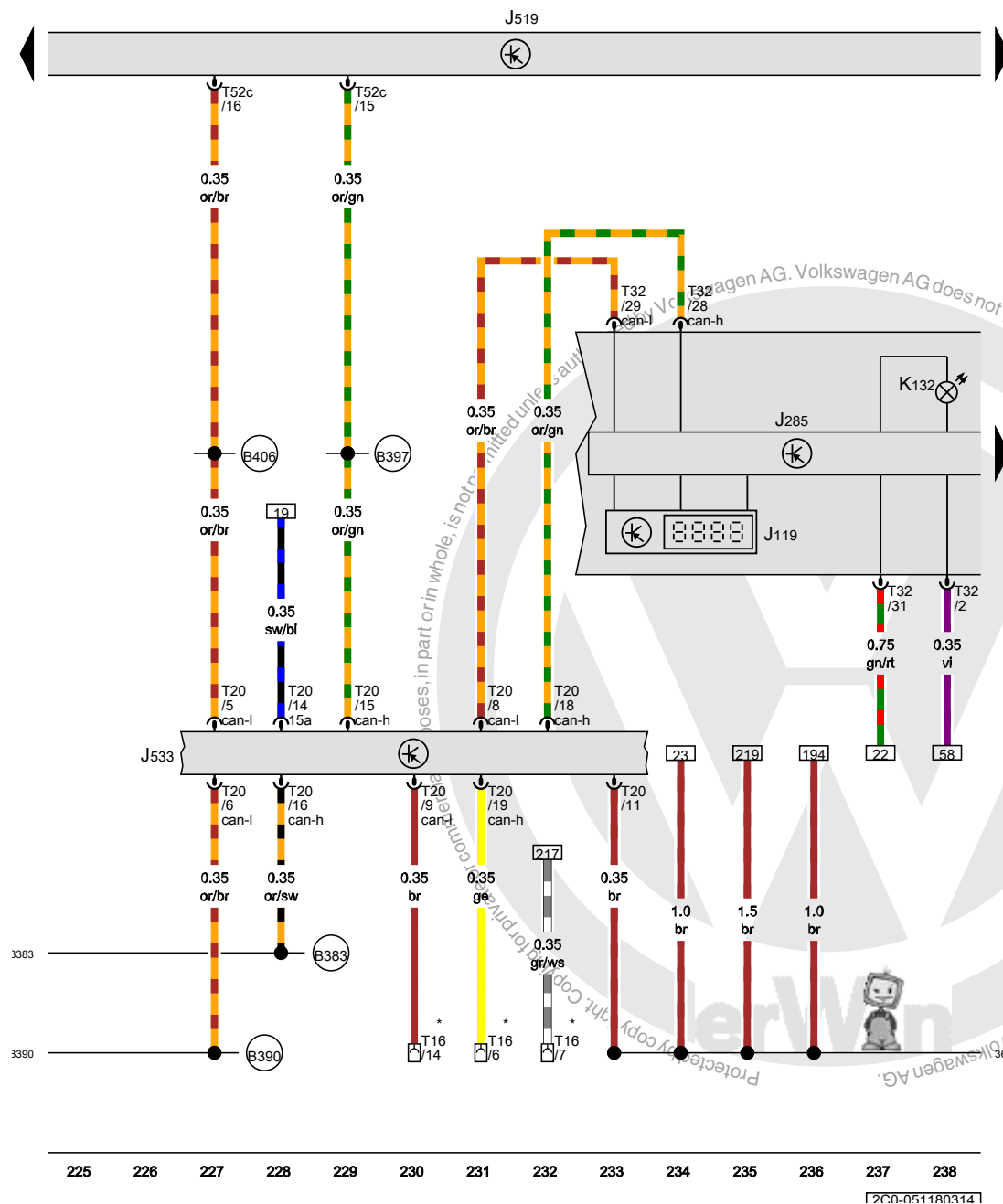
- G476 Clutch position sender
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit, central in plenum chamber
- T5m 5-pin connector, black
- T47 47-pin connector
- T52c 52-pin connector, brown
- T121 121-pin connector

- 209 Earth connection 6, in engine compartment wiring harness
- 375 Earth connection 10, in main wiring harness
- 376 Earth connection 11, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- 655 Earth point, on left headlight
- B351 Positive connection 2 (87a) 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
- D109 Connection 7 in engine compartment wiring harness

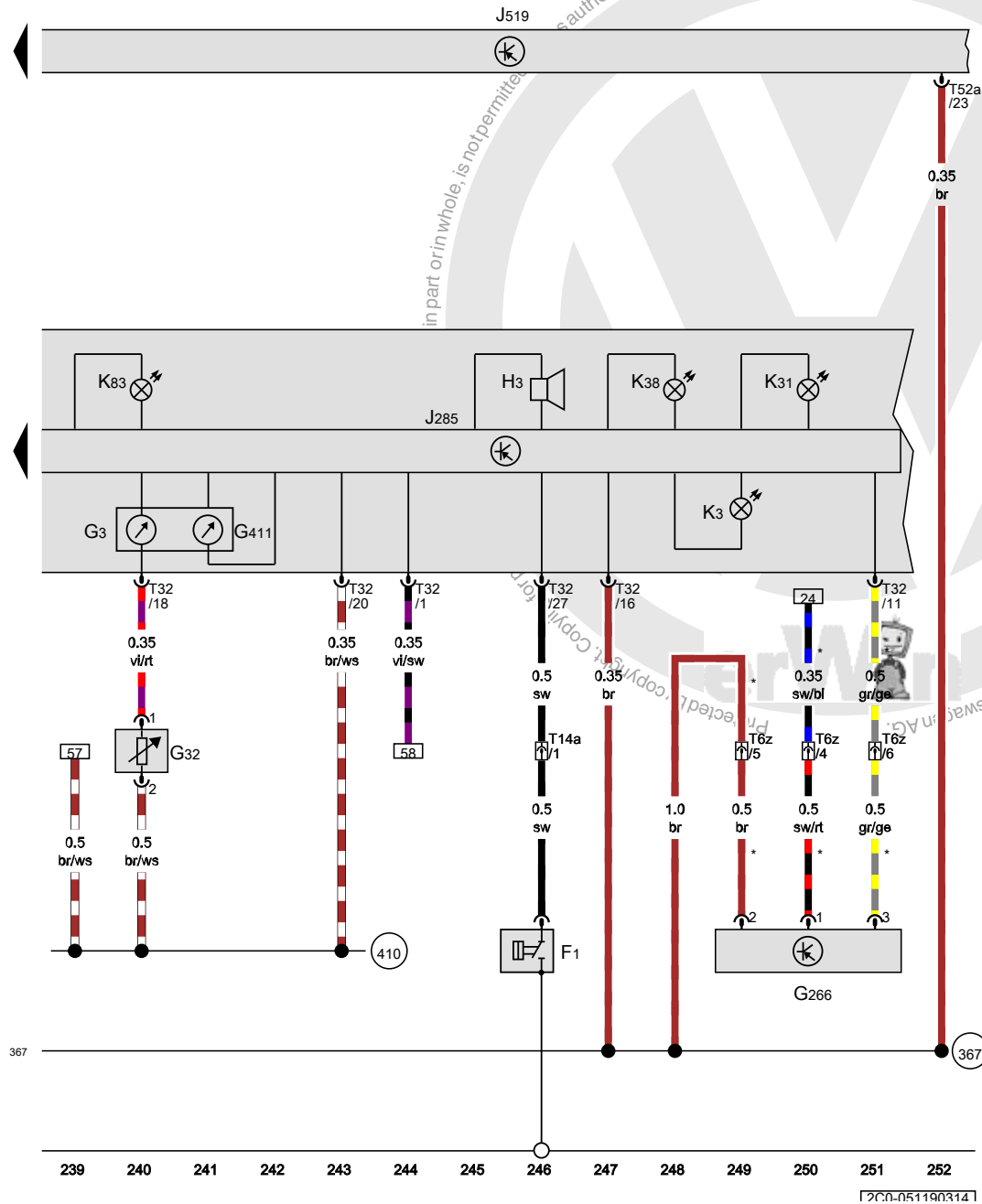
- * Only left-hand drive models
- *2 Up to April 2012
- *3 From May 2012
- *4 Only right-hand drive models

ws = white
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Multifunction indicator, Control unit in dash panel insert,
Onboard supply control unit, Data bus diagnostic interface



- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- K132 Electronic power control fault lamp
- T16 16-pin connector
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52c 52-pin connector, brown
- (367) Earth connection 2, 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
- (B397) Connection 1 (convenience CAN bus, high), in main wiring harness
- (B406) Connection 1 (convenience CAN bus, low), in main wiring harness
- * Diagnostic connection



Oil pressure switch, Coolant temperature gauge, Coolant shortage indicator sender, Oil level and oil temperature sender, Natural gas gauge, Control unit in dash panel insert, Onboard supply control unit

- F1 Oil pressure switch
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- G266 Oil level and oil temperature sender
- G411 Natural gas gauge
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K3 Oil pressure warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K83 Exhaust emissions warning lamp
- T6z 6-pin connector, near left headlight, black
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

410 Earth connection 1 (sender earth) in main wiring harness

* Only models with flexible service interval display

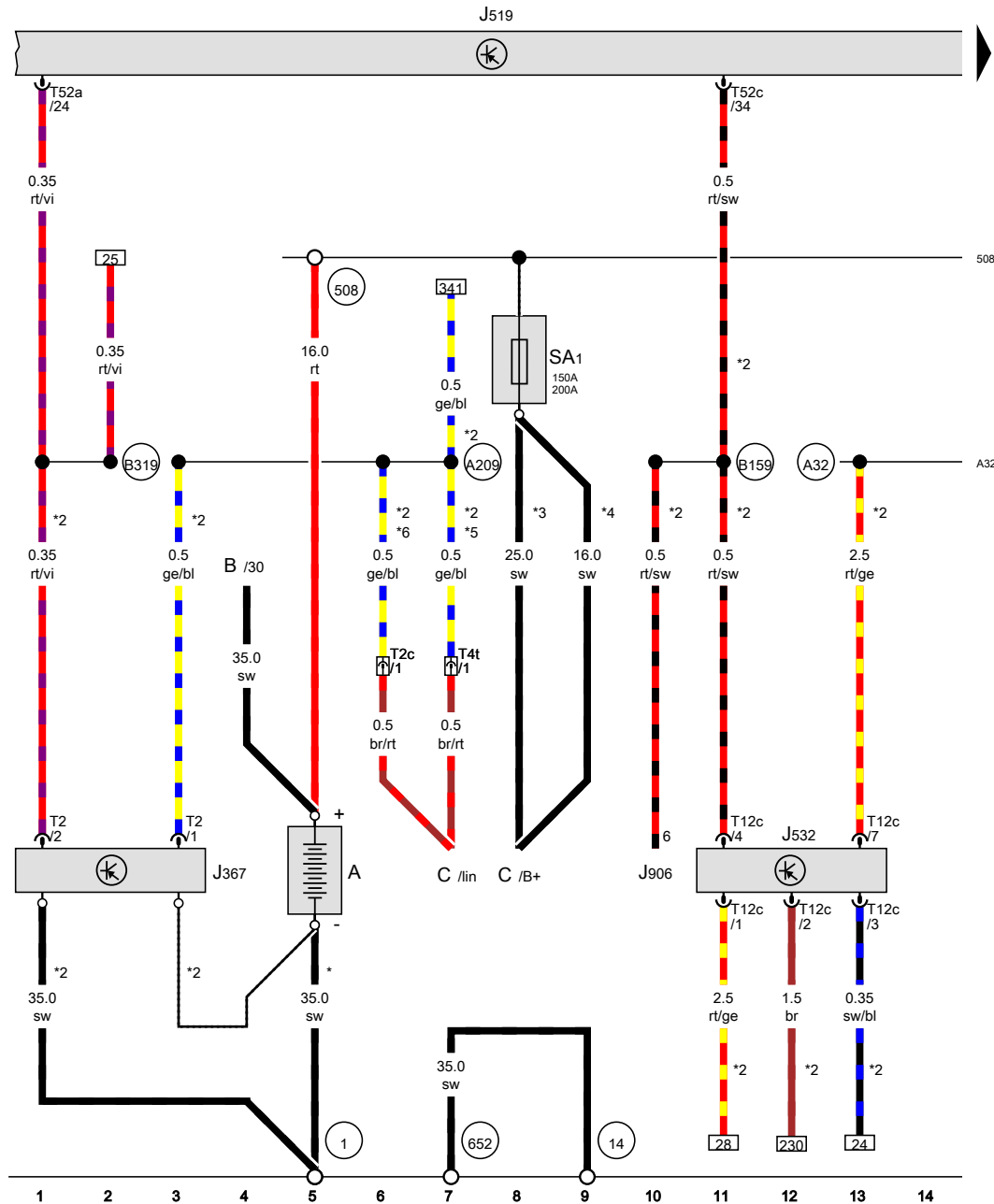
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Basic equipment, right-hand drive

From November 2011



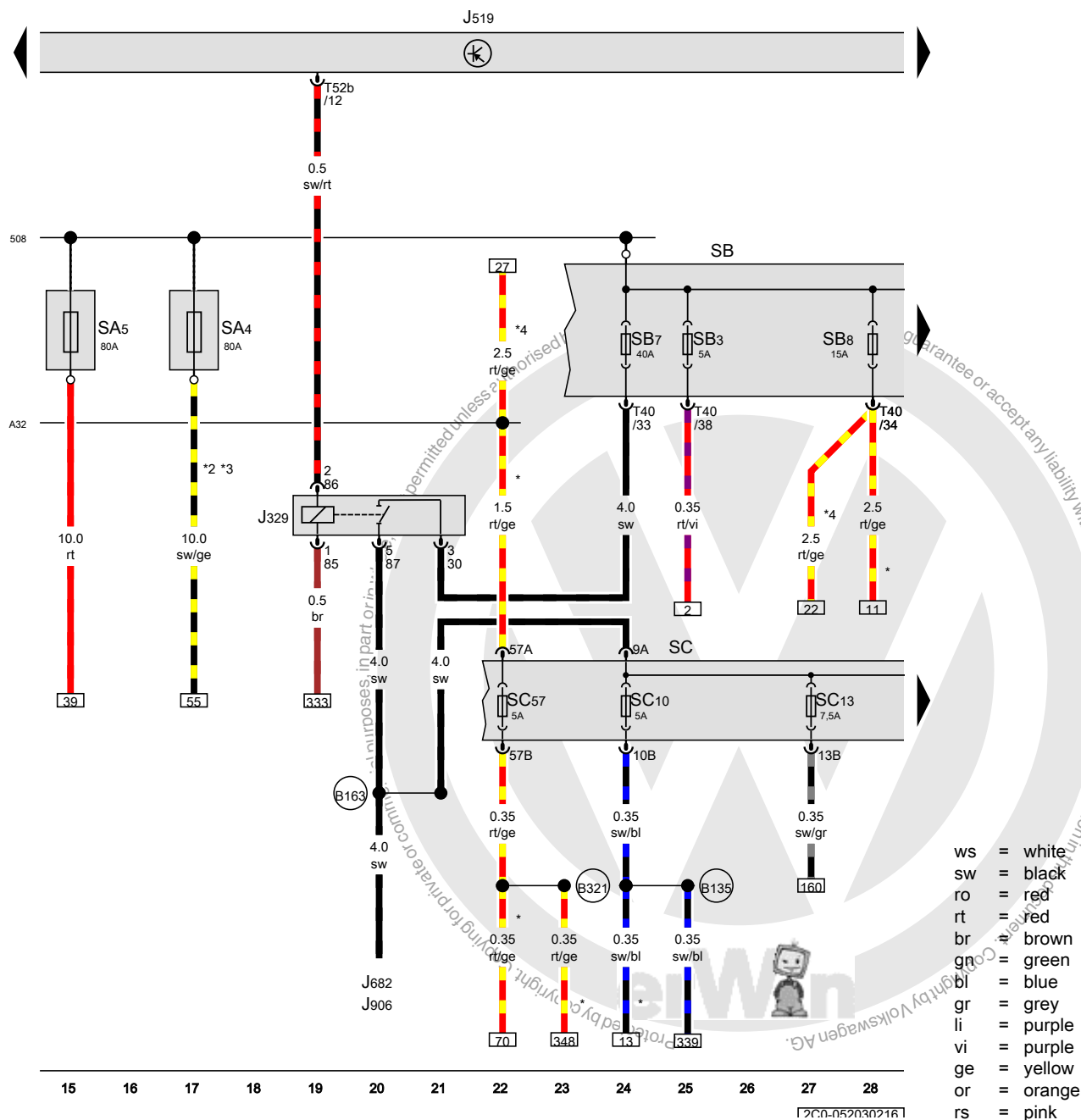
Battery, Battery monitor control unit, Onboard supply control unit, Voltage stabiliser, Fuse 1 in fuse holder A



- A Battery
- B Starter
- C Alternator
- J367 Battery monitor control unit
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J906 Starter relay 1
- SA1 Fuse 1 in fuse holder A
- T2 2-pin connector
- T2c 2-pin connector, near starter
- T4t 4-pin connector, near starter
- T12c 12-pin connector, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- 1 Earth strap, battery - body
- 14 Earth point, on gearbox
- 508 Threaded connection (30) on E-box
- 652 Earth point, engine and gearbox earth
- A32 Positive connection (30), in dash panel wiring harness
- A209 Connection 1 (LIN bus) in dash panel wiring harness
- B159 Connection (diagnosis), in interior wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- * Only models with no start/stop system
- *2 Only models with start/stop system
- *3 Only models with 140A alternator
- *4 Only models with 90 A/ 120 A alternator
- *5 Only models with air conditioning system
- *6 Only models with no air conditioning system

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Terminal 15 voltage supply relay, Onboard supply control unit, Fuse holder B, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A, Fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J682 Terminal 50 voltage supply relay
- J906 Starter relay 1
- SB Fuse holder B
- SB3 Fuse 3 on fuse holder B
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SB7 Fuse 7 on fuse holder B
- SB8 Fuse 8 on fuse holder B
- SC Fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- T40 40-pin connector, black
- T52b 52-pin connector, white

- 508 Threaded connection (30) on E-box
- A32 Positive connection (30), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- * Only models with start/stop system
- *2 From November 2012
- *3 Only models with no Climatronic
- *4 Only models with no start/stop system

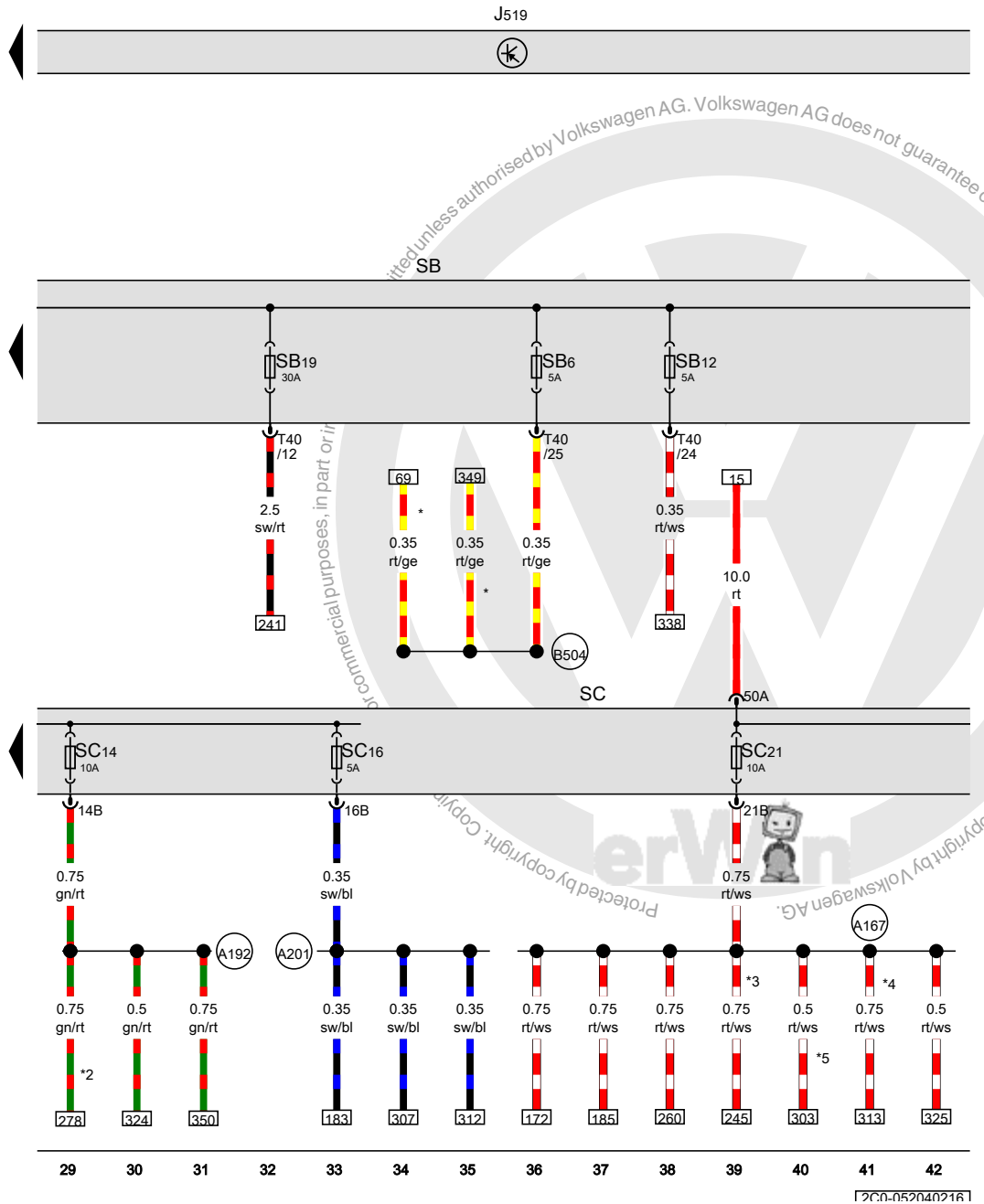
Onboard supply control unit, Fuse holder B, Fuse holder C

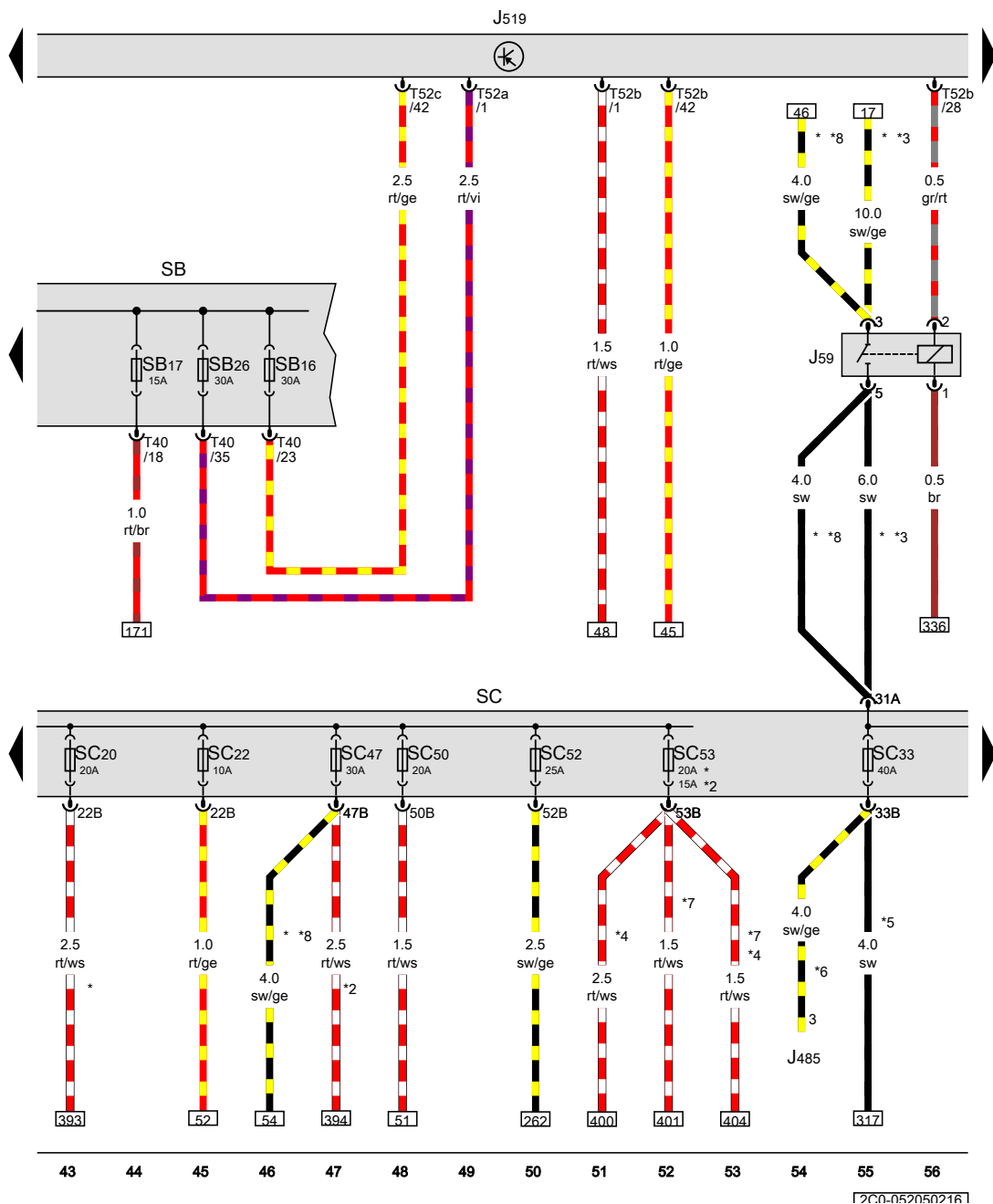
- J519 Onboard supply control unit
- SB Fuse holder B
- SB6 Fuse 6 on fuse holder B
- SB12 Fuse 12 on fuse holder B
- SC Fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SB19 Fuse 19 on fuse holder B
- SC21 Fuse 21 on fuse holder C
- T40 40-pin connector, black

- A167 Positive connection 3 (30a) in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- A201 Positive connection 6 (15a) in dash panel wiring harness
- B504 Positive connection 8 (30a), in interior wiring harness

- * Only models with no start/stop system
- *2 Not for models with dual clutch gearbox
- *3 Only models with rain and light sensor
- *4 Only models with auxiliary coolant heater
- *5 Only Camper

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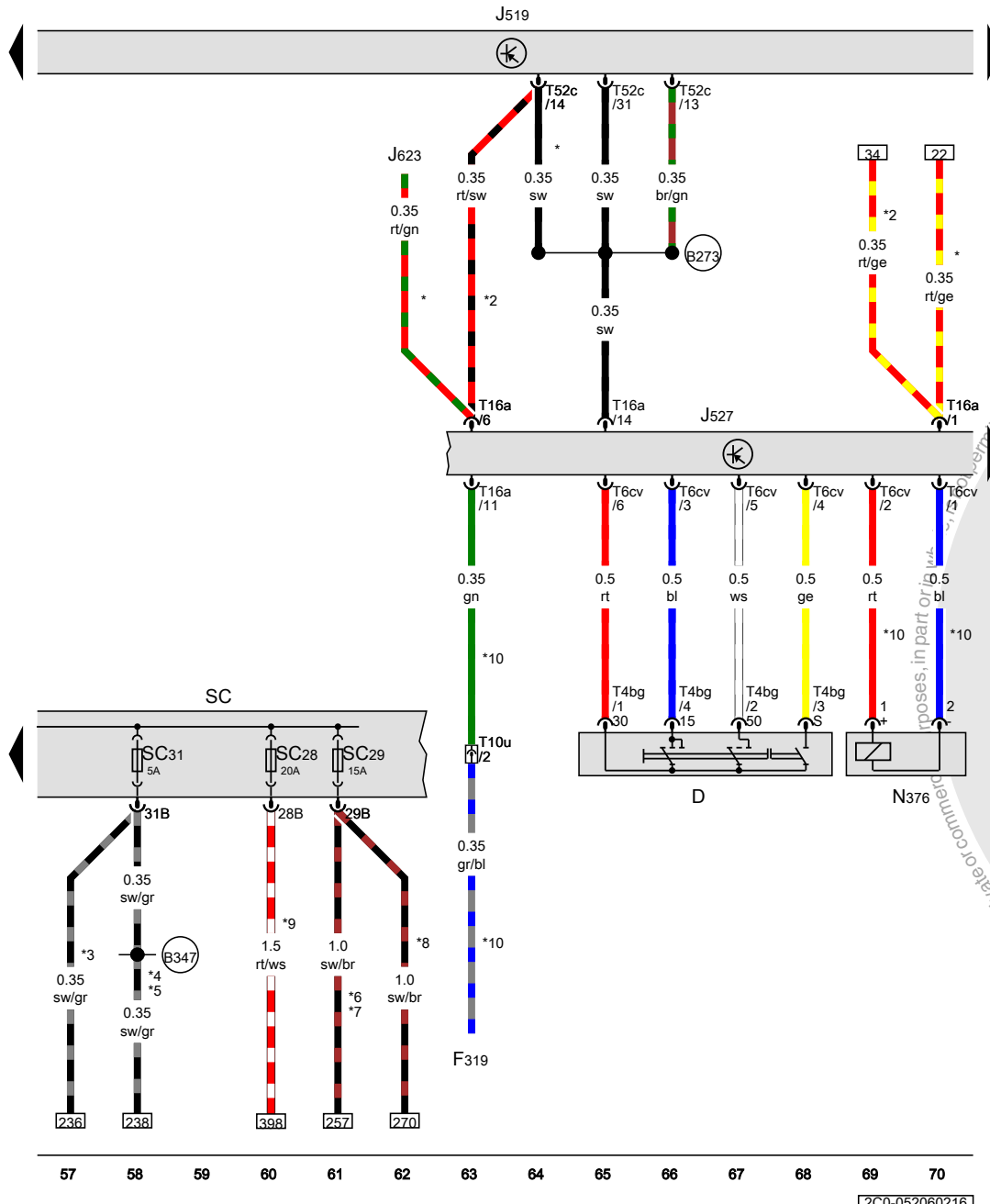


X-contact relief relay, Onboard supply control unit, Fuse holder B, Fuse holder C

- J59 X-contact relief relay
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- SB Fuse holder B
- SB16 Fuse 16 on fuse holder B
- SB17 Fuse 17 on fuse holder B
- SC Fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC22 Fuse 22 on fuse holder C
- SB26 Fuse 26 on fuse holder B
- SC33 Fuse 33 on fuse holder C
- SC37 Fuse 37 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- * From November 2012
- *2 Up to October 2012
- *3 Only models with no Climatronic
- *4 According to equipment
- *5 Only models with no auxiliary coolant heater
- *6 Only models with auxiliary coolant heater
- *7 Only models with 12 V socket
- *8 Only models with Climatronic

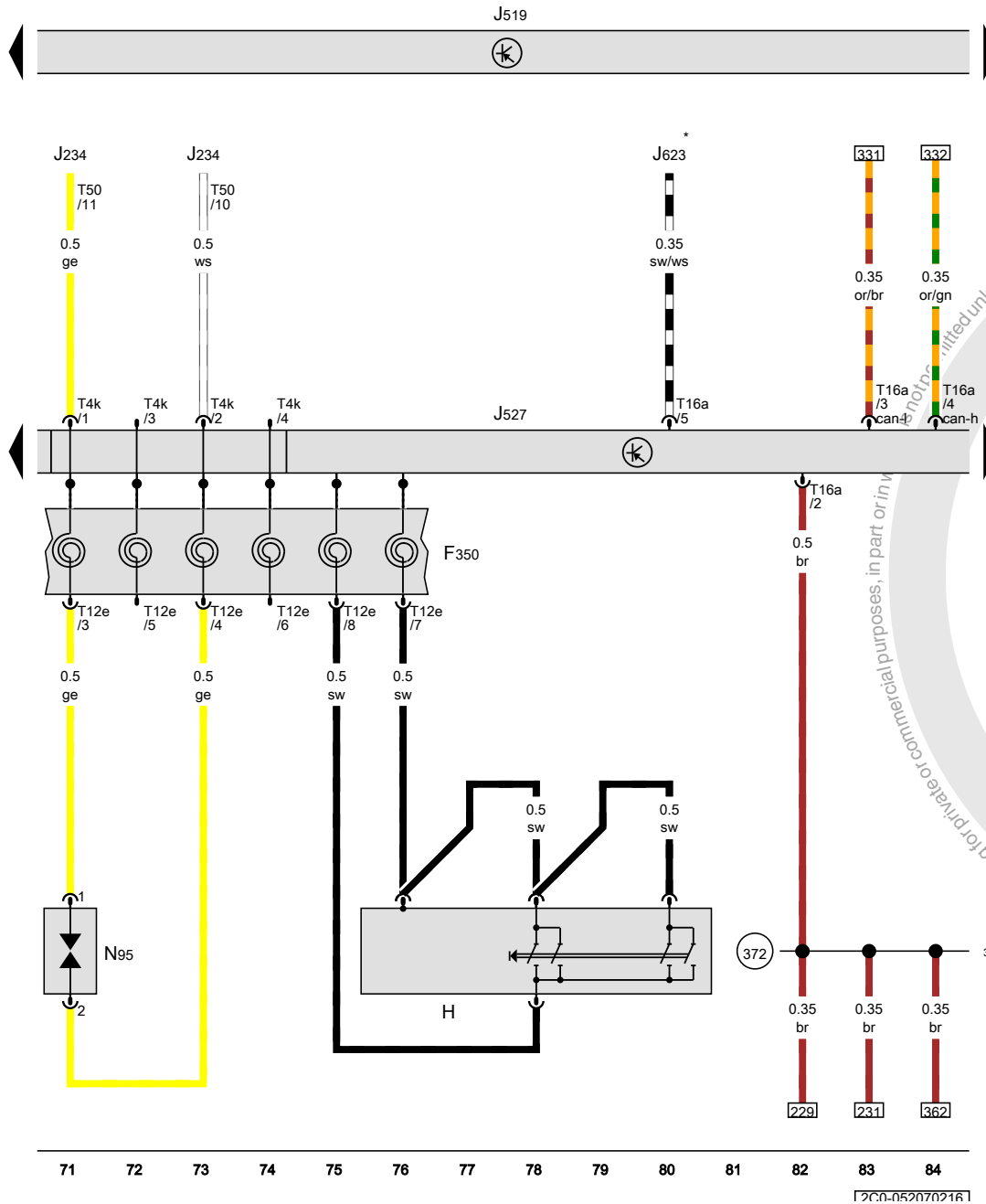
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Ignition/starter switch, Onboard supply control unit, Steering column electronics control unit, Ignition key withdrawal lock solenoid, Fuse holder C



- D Ignition/starter switch
- F319 Selector lever locked in position P switch
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N376 Ignition key withdrawal lock solenoid, on ignition/starter switch
- SC Fuse holder C
- SC28 Fuse 28 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- T4bg 4-pin connector, black
- T6cv 6-pin connector, white
- T10u 10-pin connector, under selector lever
- T16a 16-pin connector, black
- T52c 52-pin connector, brown
- B273 Positive connection (15), in main wiring harness
- B347 Connection 2 (75), in main wiring harness
- * Only models with start/stop system
- *2 Only models with no start/stop system
- *3 Only models with air conditioning system/ Climatronic
- *4 Only models with no air conditioning system/ Climatronic
- *5 Only models with seat heating
- *6 Only models with rear window wiper
- *7 Only models with wing doors
- *8 Only models with rear lid
- *9 Only models with 12 V socket
- *10 Only models with dual clutch gearbox

Horn plate, Onboard supply control unit, Steering column electronics control unit, Driver side airbag igniter

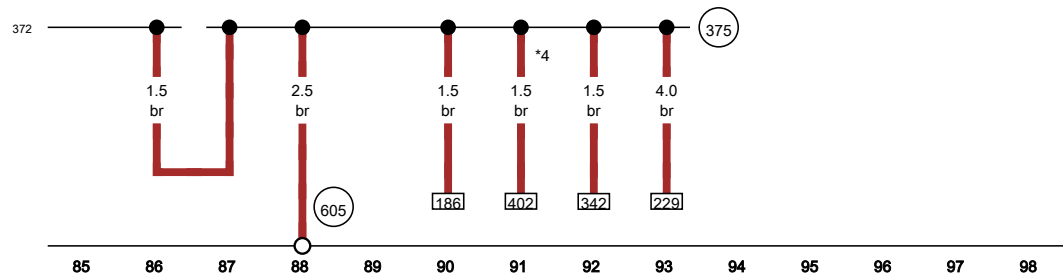
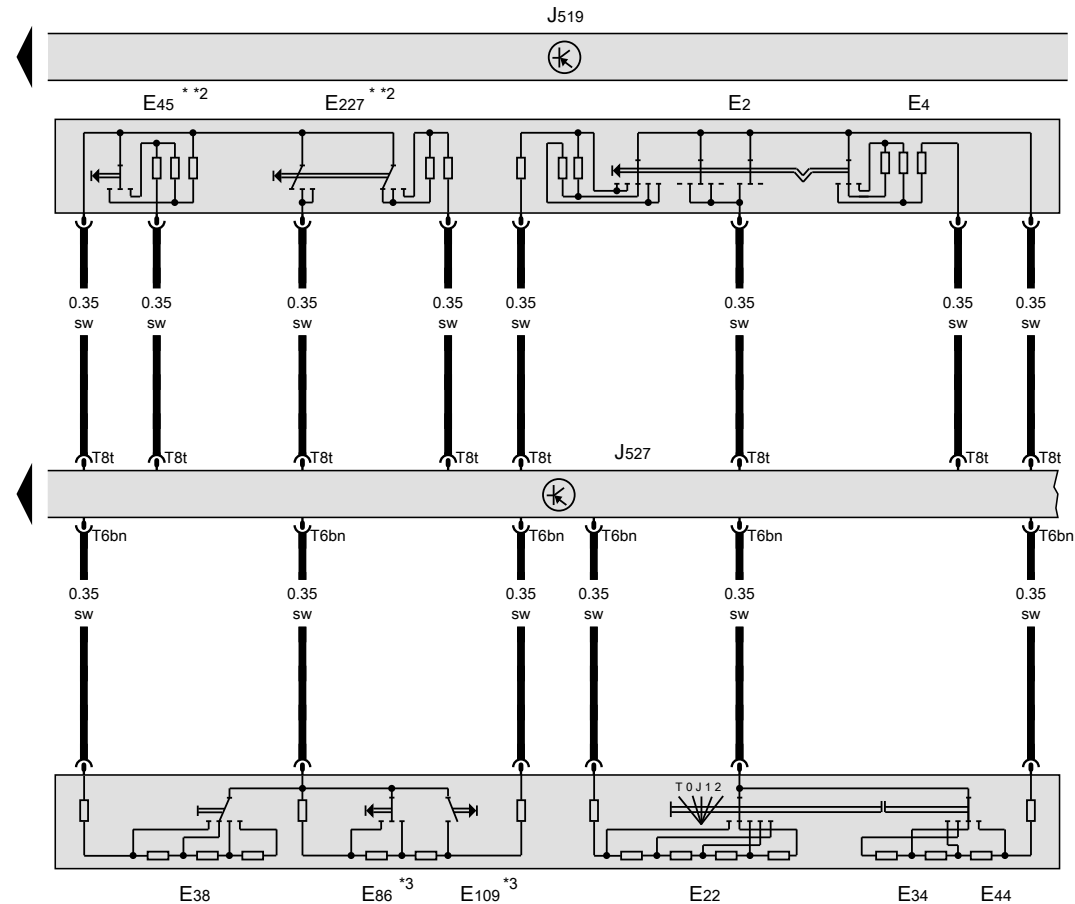


- F350 Coil connector
- H Horn plate
- J234 Airbag control unit
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- J623 Engine control unit
- N95 Driver side airbag igniter
- T4k 4-pin connector, yellow
- T12e 12-pin connector, yellow
- T16a 16-pin connector, black
- T50 50-pin connector

372 Earth connection 7, in main wiring harness

* see applicable current flow diagram for engine

- 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



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Turn signal switch, Headlight dipper and flasher switch, Intermittent wiper switch, Rear wiper switch, Intermittent wiper regulator, Washer pump switch (automatic wash/wipe and headlight washer system), Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Cruise control system (CCS) SET button, Onboard supply control unit, Steering column electronics control unit

- E2 Turn signal switch
- E4 Headlight dipper and flasher switch
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- E38 Intermittent wiper regulator
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E45 Cruise control system switch
- E86 Multifunction display call-up button
- E109 Multifunction display memory switch
- E227 Cruise control system (CCS) SET button
- J519 Onboard supply control unit
- J527 Steering column electronics control unit
- T6bn 6-pin connector, white
- T8t 8-pin connector, white

- 372 Earth connection 7, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 605 Earth point, on top end of steering column

- * Only models with cruise control system (CCS)
- *2 Only models with no multifunction steering wheel
- *3 Only models with multifunction display
- *4 Only models with 12 V socket

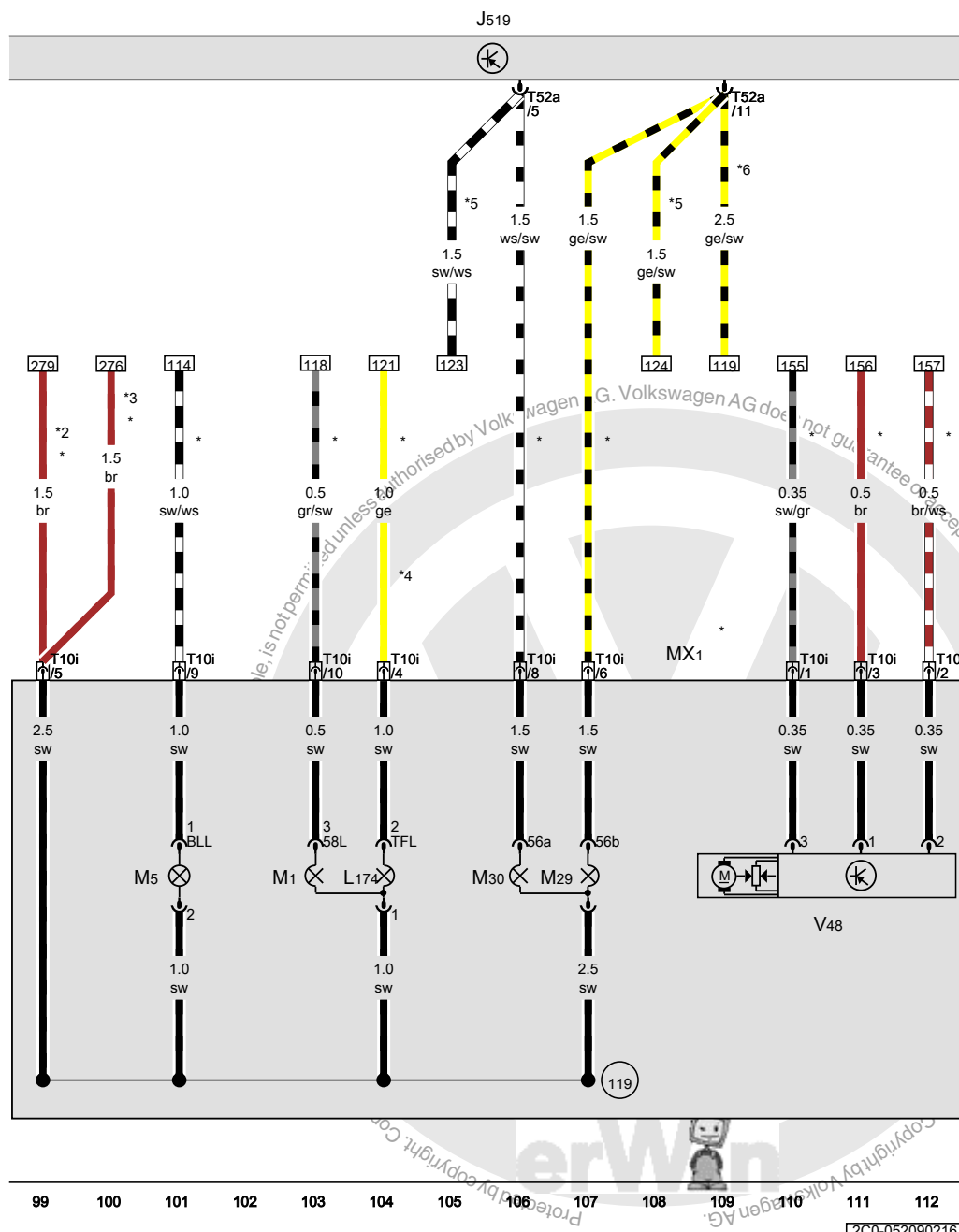
Onboard supply control unit, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor

- J519 Onboard supply control unit
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- T10i 10-pin connector, on left headlight
- T52a 52-pin connector, black
- V48 Left headlight range control motor

- 119 Earth connection 1, in headlight wiring harness

- * Only models with H4 headlights
- *2 From November 2012
- *3 Up to April 2012
- *4 Only models with daytime running lights
- *5 Only models with H7 headlights
- *6 Headlight with gas discharge light

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

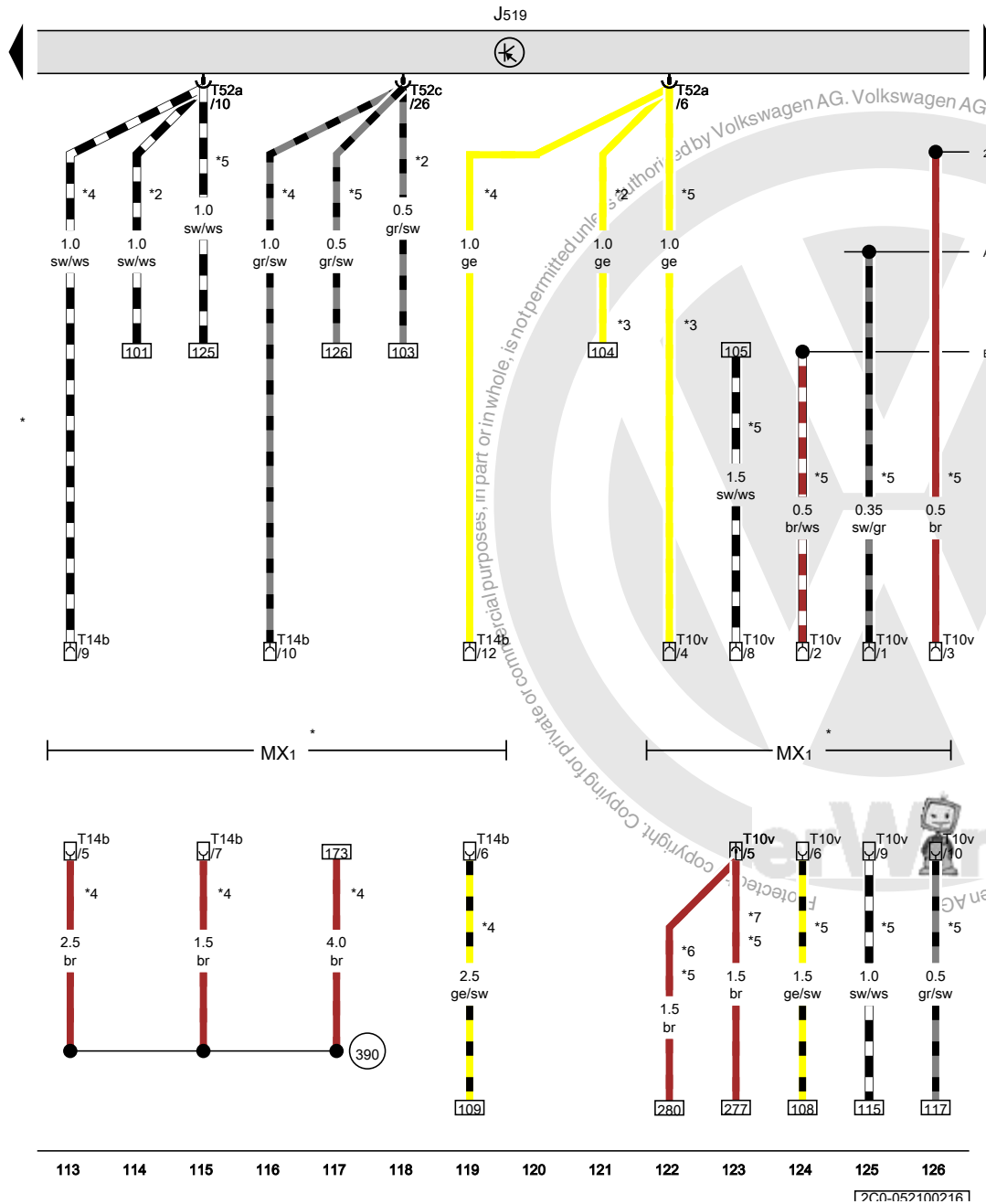


Onboard supply control unit

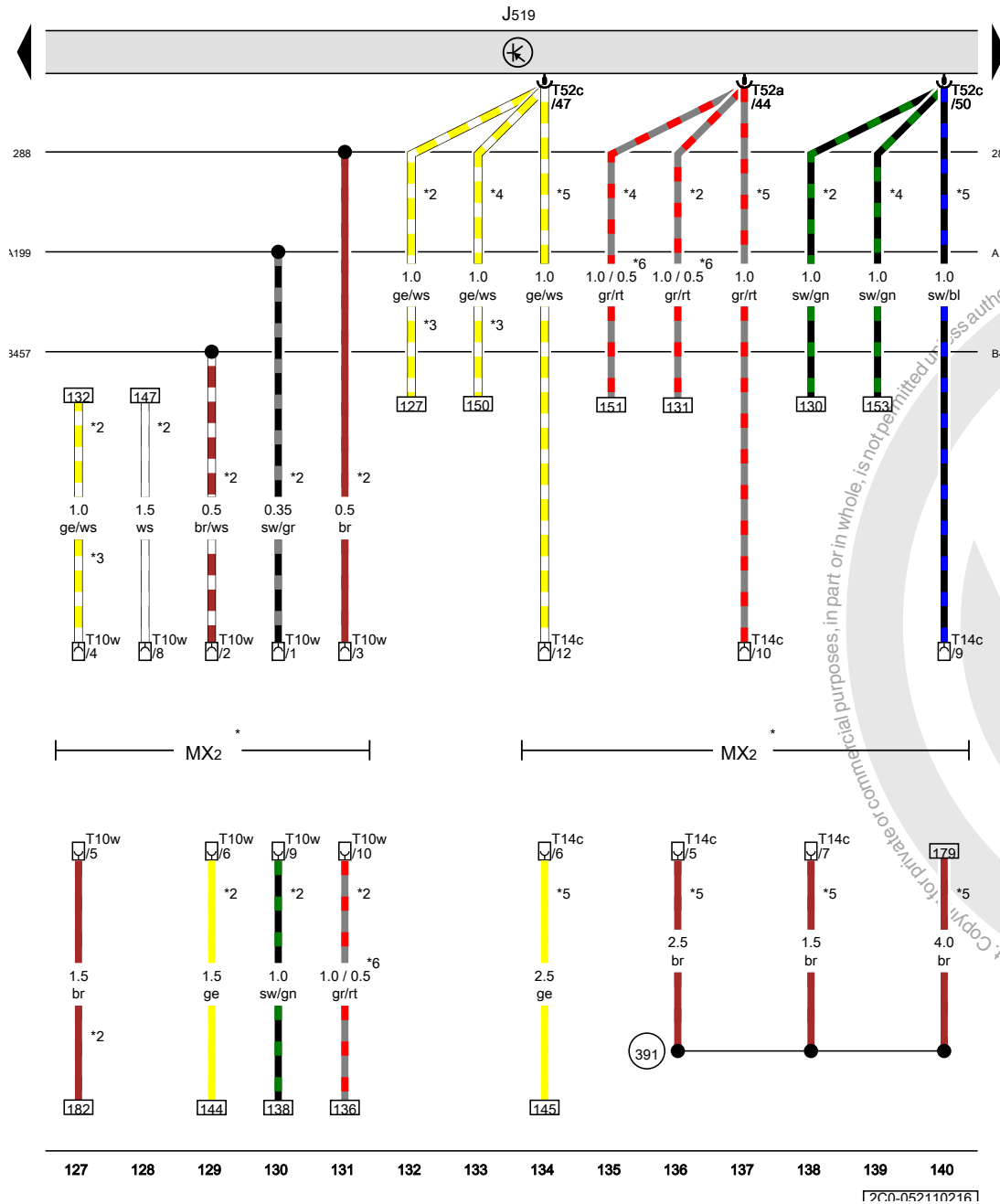
- J519 Onboard supply control unit
 MX1 Front left headlight
 T10v 10-pin connector, on left headlight, black
 T14b 14-pin connector, on left headlight, black
 T52a 52-pin connector, black
 T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
 390 Earth connection 25, in main wiring harness
 A199 Positive connection 4 (15a) in dash panel wiring harness
 B457 Connection 1 (potentiometer), in main wiring harness

- * see applicable current flow diagram for headlights
 *2 Only models with H4 headlights
 *3 Only models with daytime running lights
 *4 Headlight with gas discharge light
 *5 Only models with H7 headlights
 *6 From November 2012
 *7 Up to April 2012



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 vi = purple
 ge = yellow
 or = orange
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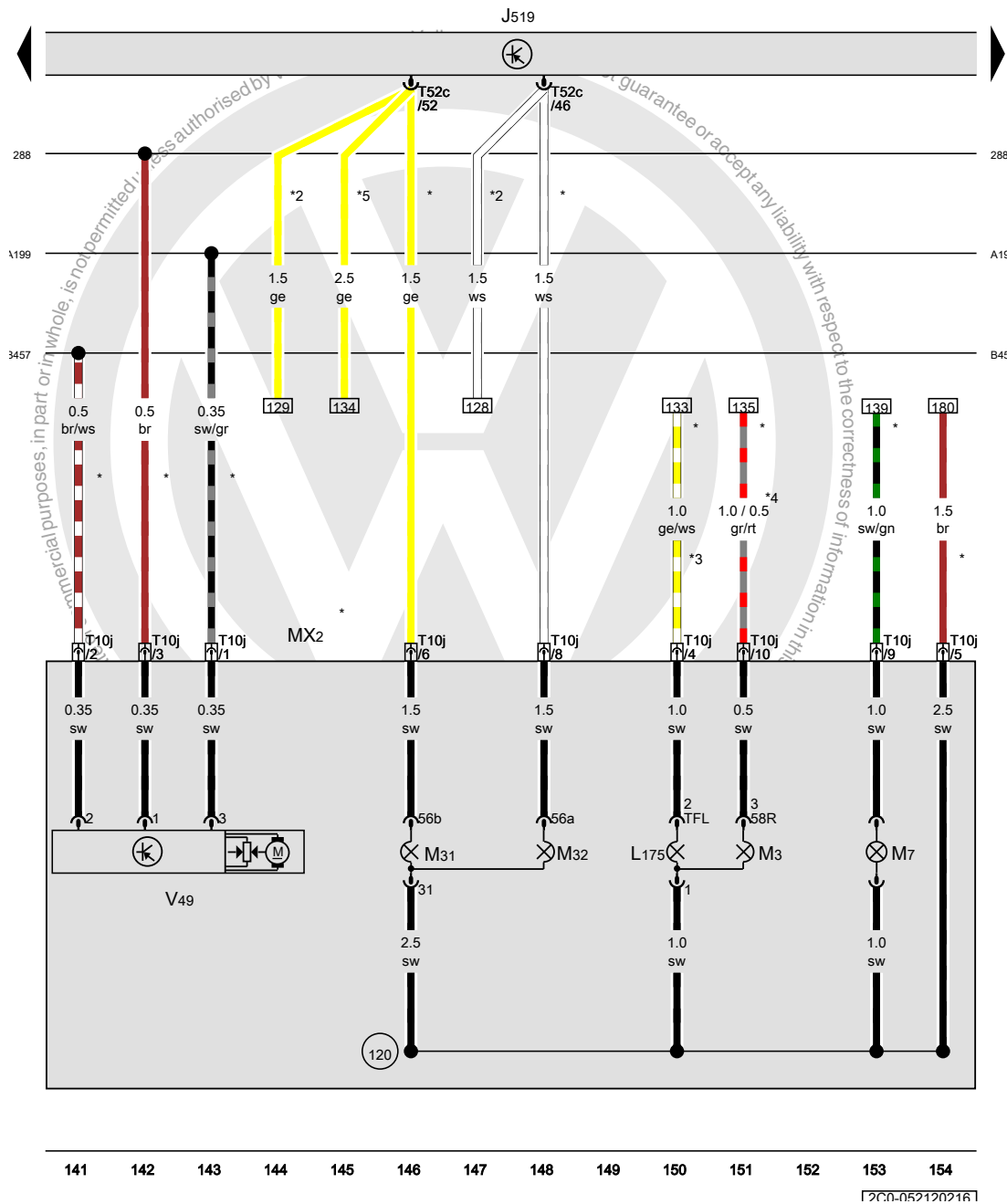


Onboard supply control unit

- J519 Onboard supply control unit
- MX2 Front right headlight
- T10w 10-pin connector, on right headlight, black
- T14c 14-pin connector, on right headlight, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- 391 Earth connection 26, in main wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

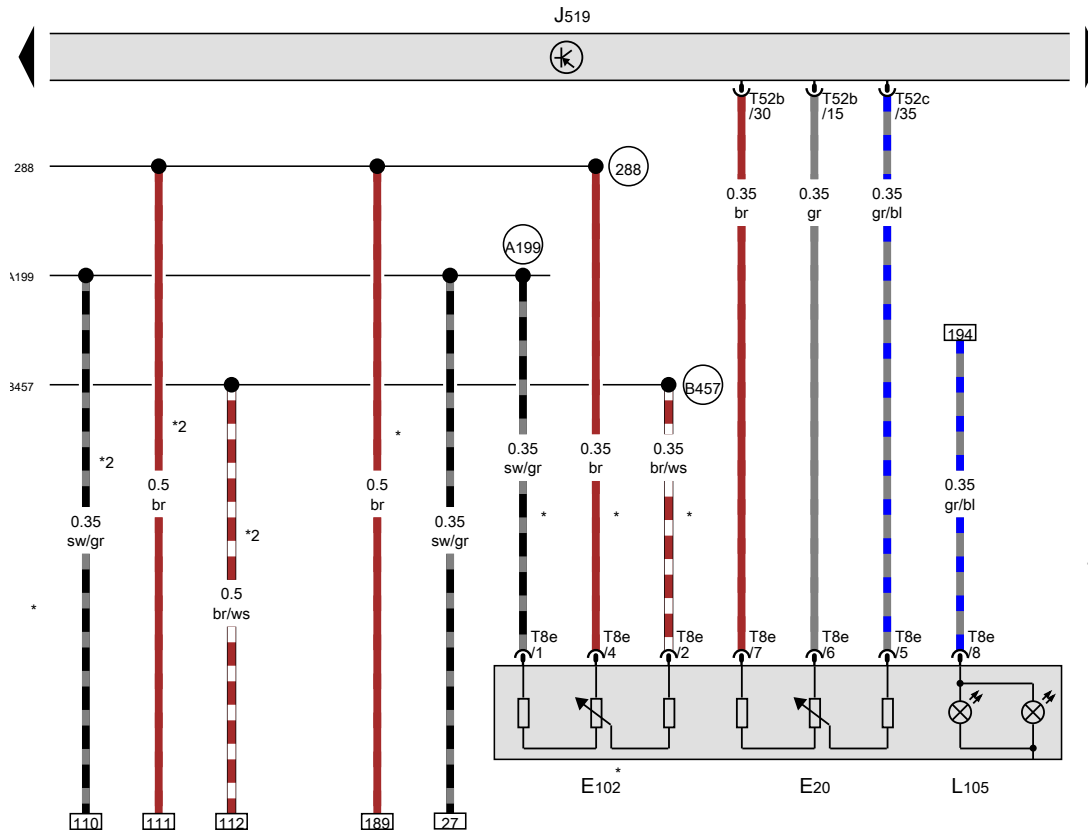
- * see applicable current flow diagram for headlights
- *2 Only models with H7 headlights
- *3 Only models with daytime running lights
- *4 Only models with H4 headlights
- *5 Headlight with gas discharge light
- *6 From May 2012



Onboard supply control unit, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

- J519 Onboard supply control unit
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T10j 10-pin connector, on right headlight
- T52c 52-pin connector, brown
- V49 Right headlight range control motor

- 120 Earth connection 2, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with H4 headlights
- *2 Only models with H7 headlights
- *3 Only models with daytime running lights
- *4 From May 2012
- *5 Headlight with gas discharge light



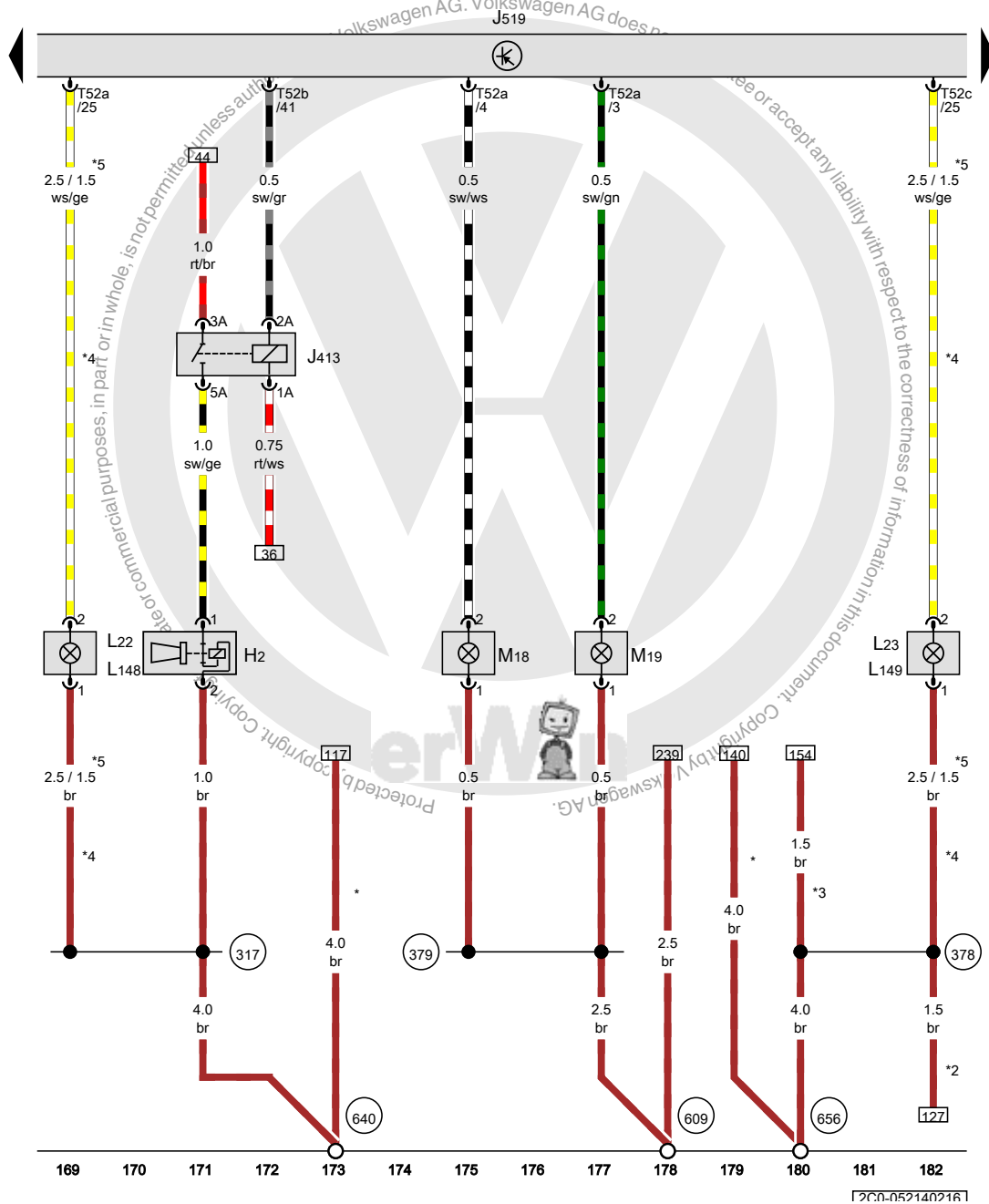
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 288 Earth connection (HRC), in dash panel wiring harness
- A199 Positive connection 4 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

- * Only models with no automatic headlight range control
- *2 Only models with H4 headlights

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- bl = blue
- gr = grey
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Treble horn, Horn relay, Onboard supply control unit, Left fog light bulb, Right fog light bulb, Left cornering light bulb, Right cornering light bulb, Left turn signal repeater bulb, Right turn signal repeater bulb

- H2 Treble horn
- J413 Horn relay
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L148 Left cornering light bulb
- L149 Right cornering light bulb
- M18 Left turn signal repeater bulb
- M19 Right turn signal repeater bulb
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

317 Earth connection 7, in engine compartment wiring harness

378 Earth connection 13, in main wiring harness

379 Earth connection 14, in main wiring harness

609 Earth point, on right in plenum chamber

640 Earth point 2, left in engine compartment

656 Earth point, on right headlight

- * Headlight with gas discharge light
- *2 Only models with H7 headlights
- *3 Only models with H4 headlights
- *4 Only models with fog lights
- *5 From May 2014

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- rs = pink

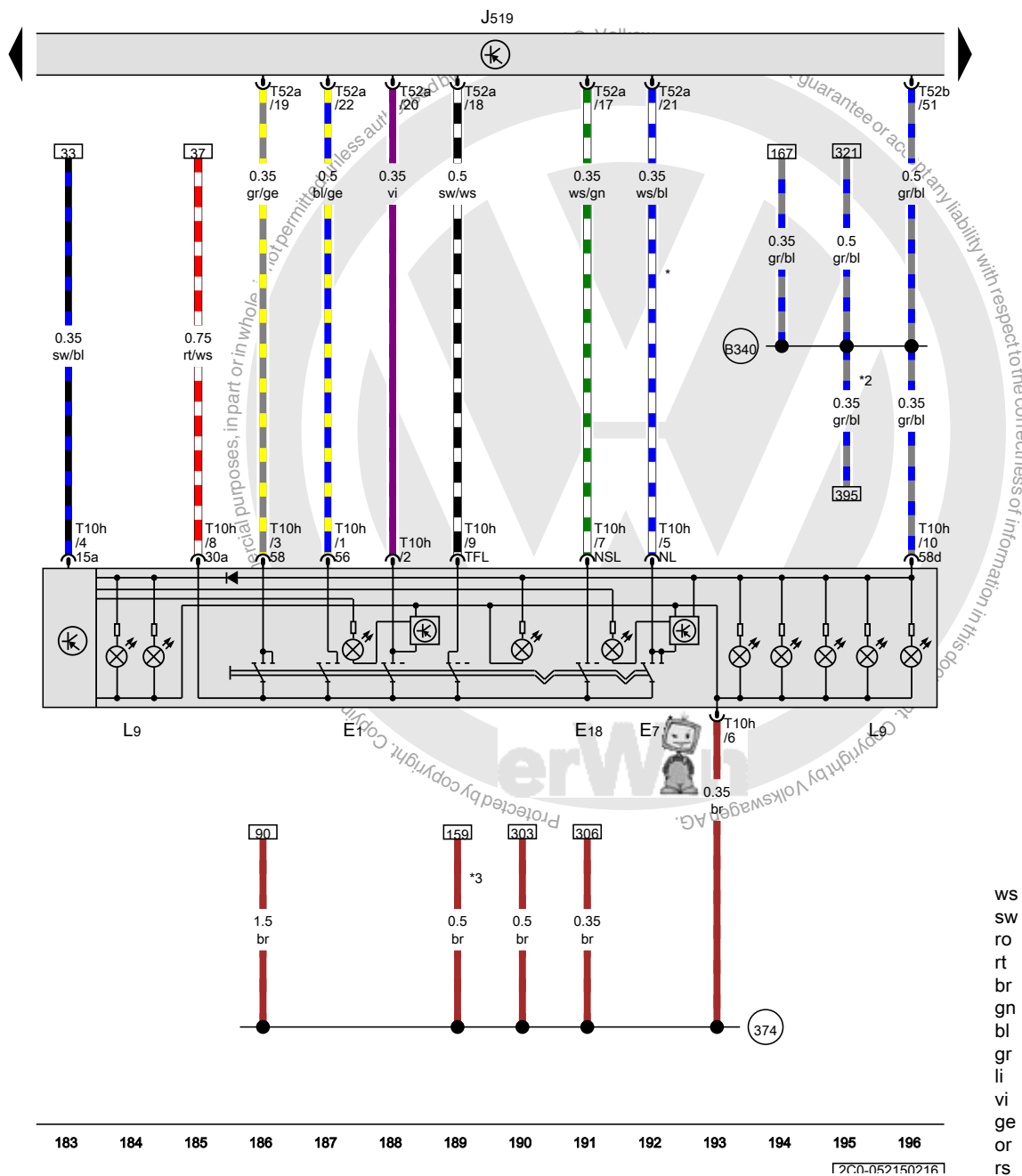
Light switch, Fog light switch, Rear fog light switch, Onboard supply control unit

- E1 Light switch
- E7 Fog light switch
- E18 Rear fog light switch
- J519 Onboard supply control unit
- L9 Light switch illumination bulb
- T10h 10-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white

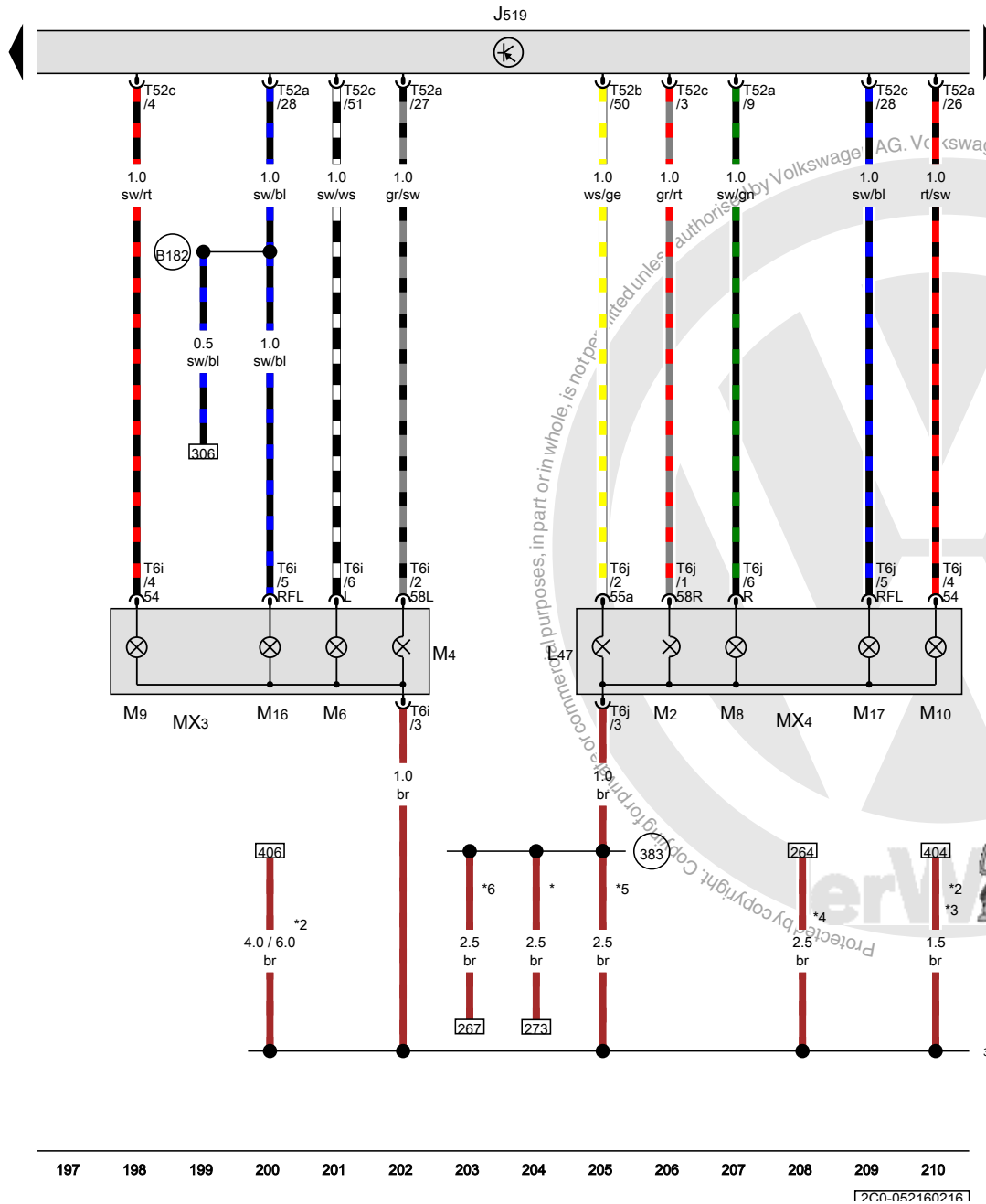
374 Earth connection 9, in main wiring harness

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

- * Only models with fog lights
- *2 According to equipment
- *3 Only models with no automatic headlight range control



Onboard supply control unit, Left tail light, Right tail light



- J519 Onboard supply control unit
- L47 Rear right fog light bulb
- M2 Right tail light bulb
- MX3 Left tail light
- M4 Left tail light bulb
- MX4 Right tail light
- M6 Rear left turn signal bulb
- M8 Rear right turn signal bulb
- M9 Left brake light bulb
- M10 Right brake light bulb
- M16 Left reversing light bulb
- M17 Right reversing light bulb
- T6i 6-pin connector, black
- T6j 6-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

382 Earth connection 17, in main wiring harness

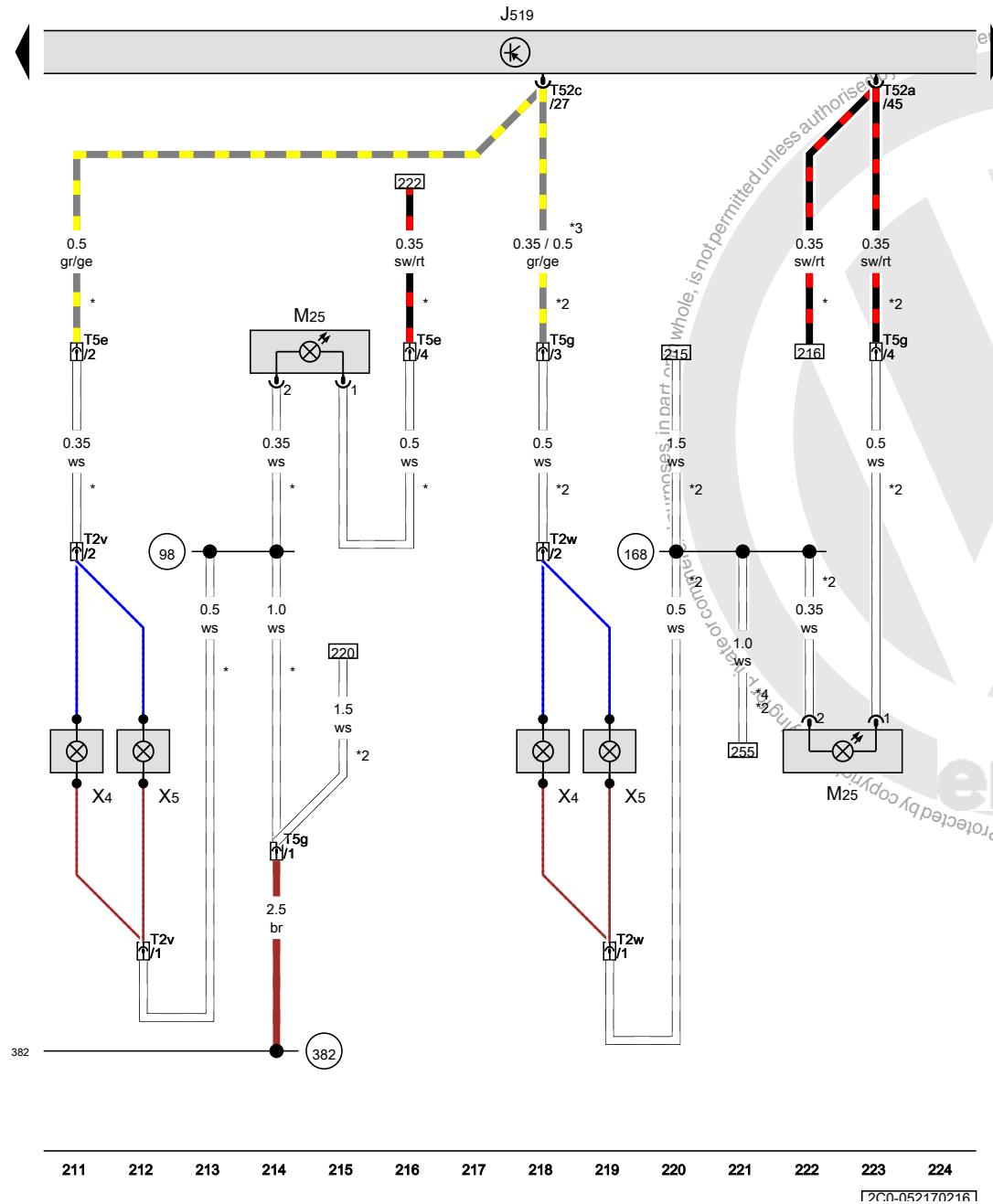
383 Earth connection 18, in main wiring harness

B182 Connection (RL), in interior wiring harness

- * Optional equipment
- *2 According to equipment
- *3 Up to October 2012
- *4 Only models with wing doors
- *5 Only models with basic equipment
- *6 Only models with rear lid

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- bl = blue
- gr = grey
- li = purple
- vi = purple
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Onboard supply control unit, High-level brake light bulb, Left number plate light, Right number plate light

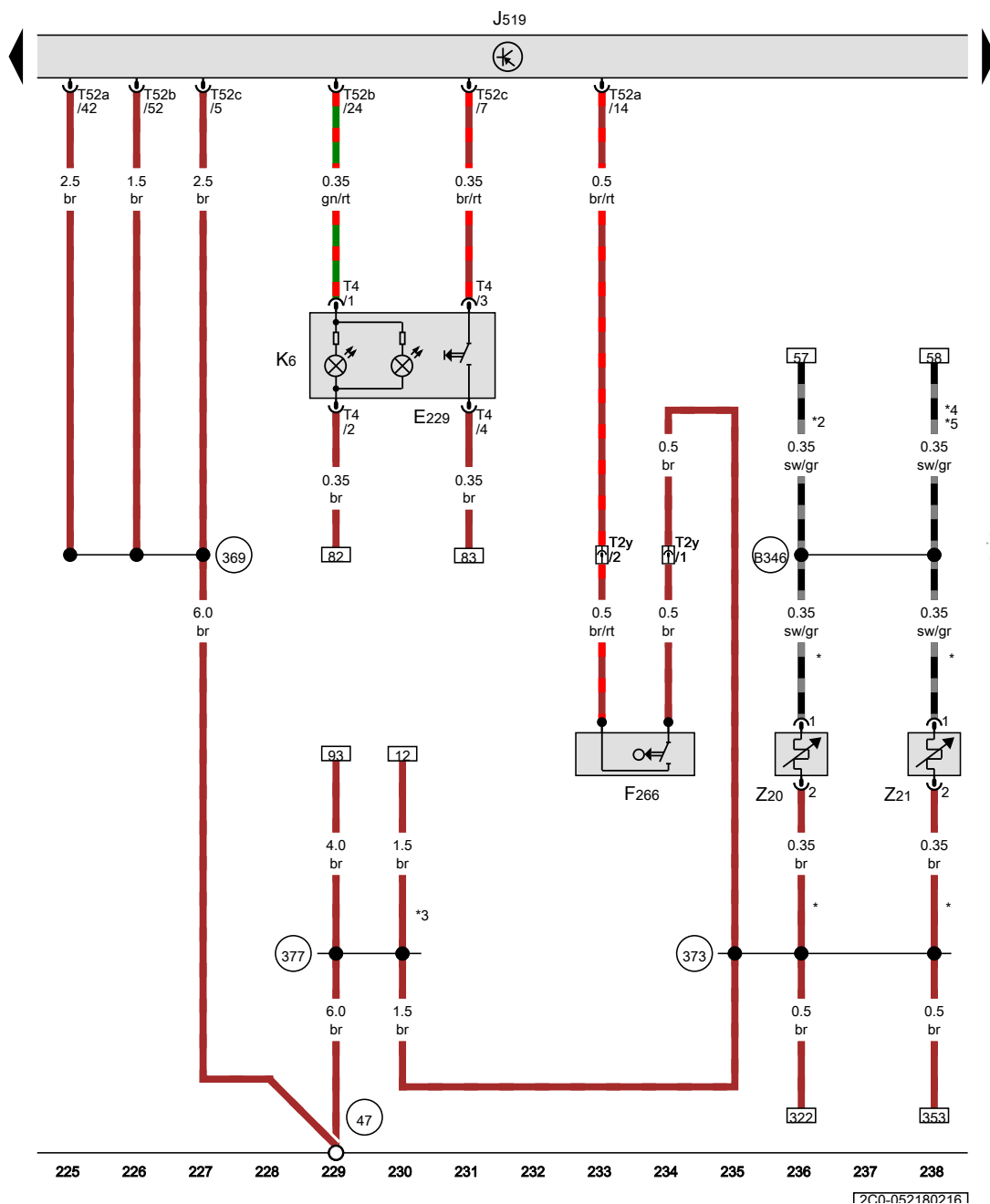


- J519 Onboard supply control unit
- M25 High-level light bulb
- T2v 2-pin connector, in rear lid, black
- T2w 2-pin connector, in rear left wing door, black
- T5e 5-pin connector, in rear left side panel, black
- T5g 5-pin connector, in rear left side panel, brown
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- X4 Left number plate light
- X5 Right number plate light

- 98 Earth connection, in rear lid wiring harness
- 168 Earth connection, in rear left wing door wiring harness
- 382 Earth connection 17, in main wiring harness

- * Only models with rear lid
- *2 Only models with wing doors
- *3 According to equipment
- *4 Only models with rear window wiper

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Hazard warning lights button, Bonnet contact switch, Onboard supply control unit, Left washer jet heater element, Right washer jet heater element

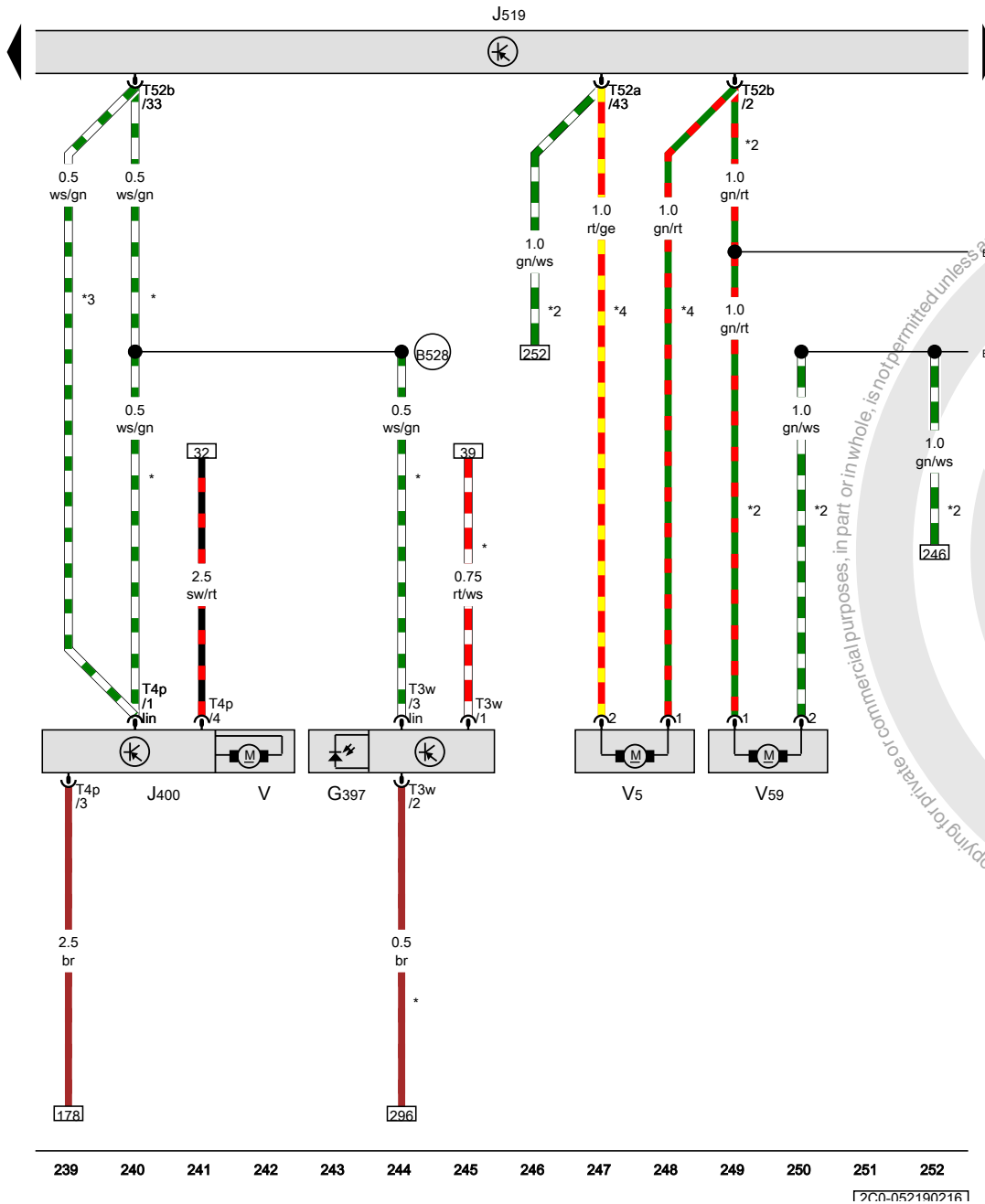
- E229 Hazard warning lights button
- F266 Bonnet contact switch
- J519 Onboard supply control unit
- K6 Indicator lamp for hazard warning light
- T2y 2-pin connector, near right headlight, black
- T4 4-pin connector
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 47 Earth point, in front right footwell
- 369 Earth connection 4, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- B346 Connection 1 (75), in main wiring harness

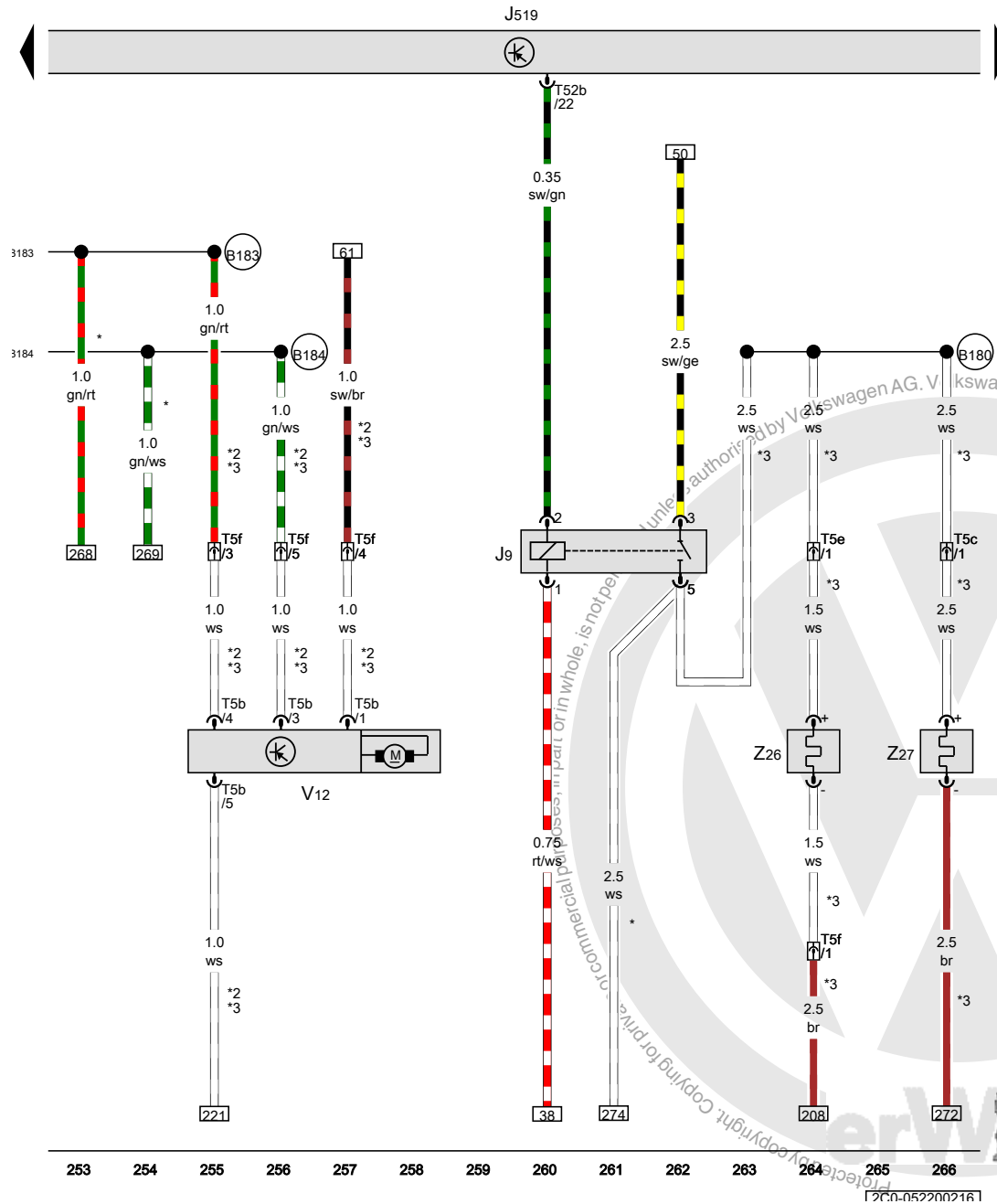
- * Only models with heated washer jets
- *2 Only models with air conditioning system/ Climatronic
- *3 Only models with start/stop system
- *4 Only models with no air conditioning system/Climatronic
- *5 Only models with seat heating

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Rain and light sensor, Wiper motor control unit, Onboard supply control unit, Windscreen wiper motor, Washer pump, Windscreen and rear window washer pump



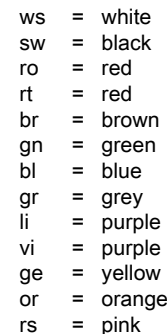
- G397 Rain and light sensor
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- T3w 3-pin connector, black
- T4p 4-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- V Windscreen wiper motor
- V5 Washer pump
- V59 Windscreen and rear window washer pump
- B183 Connection 1 (washer pump), in interior wiring harness
- B184 Connection 2 (washer pump), in interior wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness
- * Only models with rain and light sensor
- *2 Only models with rear window wiper
- *3 Only models with no rain and light sensor
- *4 Only models with no rear window wiper



Heated rear window relay, Onboard supply control unit,
Rear window wiper motor, Heated rear window in left wing
door, Heated rear window in right wing door

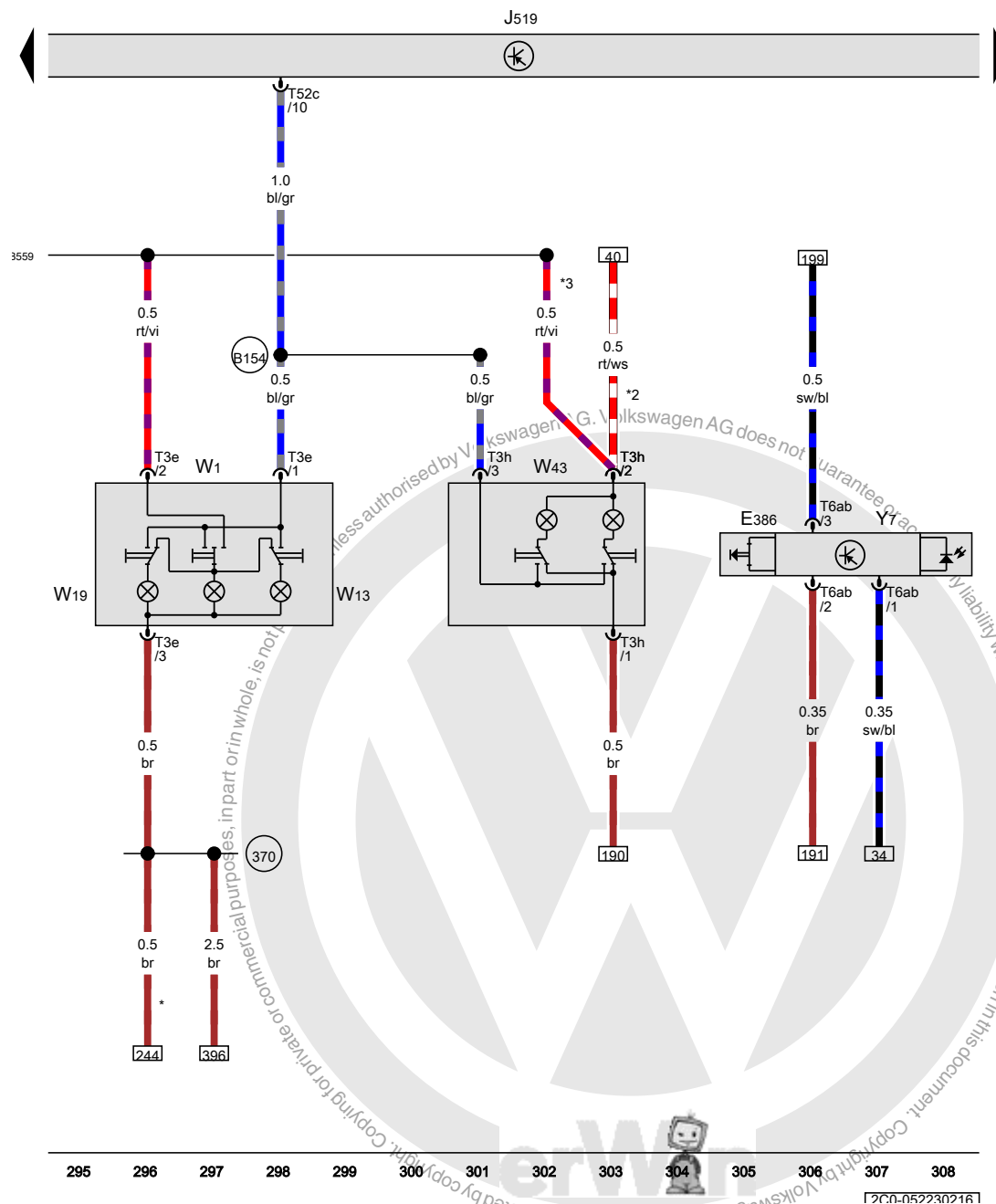
- J9 Heated rear window relay
- J519 Onboard supply control unit
- T5b 5-pin connector
- T5c 5-pin connector, in rear right side panel, light pink
- T5e 5-pin connector, in rear left side panel, black
- T5f 5-pin connector, in rear left side panel, light pink
- T52b 52-pin connector, white
- V12 Rear window wiper motor
- Z26 Heated rear window in left wing door
- Z27 Heated rear window in right wing door
- B180 Connection (heated rear window), in interior wiring harness
- B183 Connection 1 (washer pump), in interior wiring harness
- B184 Connection 2 (washer pump), in interior wiring harness
- * Only models with rear lid
- *2 Only models with rear window wiper
- *3 Only models with wing doors

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F	Brake light switch
F5	Luggage compartment light switch
F357	Left luggage compartment light switch
J519	Onboard supply control unit
J623	Engine control unit
SB22	Fuse 22 on fuse holder B
T3br	3-pin connector
T3g	3-pin connector
T4w	4-pin connector, black
T5g	5-pin connector, in rear left side panel, brown
T40	40-pin connector, black
T52a	52-pin connector, black
T52b	52-pin connector, white
T52c	52-pin connector, brown
W3	Luggage compartment light

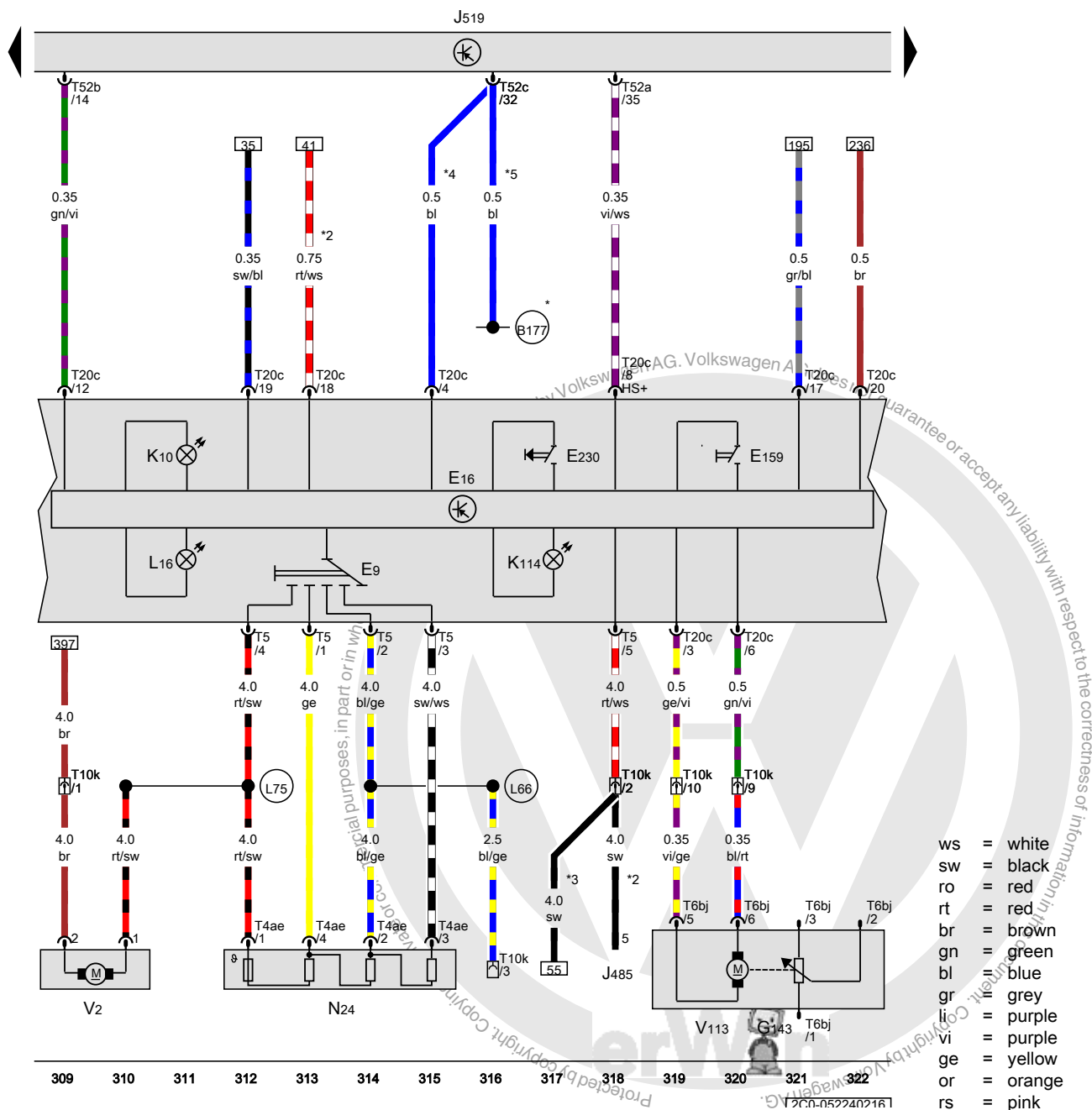
- 209 Earth connection 6, in engine compartment wiring harness
- B131 Connection (54), in interior wiring harness
- B351 Positive connection 2 (87a) in main wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- D106 Connection 4 in engine compartment wiring harness
- W22 Connection (door contact switch), in rear wiring harness
- * see applicable current flow diagram for engine
- *2 Only models with luggage compartment light
- *3 Only models with wing doors
- *4 Only models with manual gearbox
- *5 Only models with rear lid
- *6 Only models with no luggage compartment light
- *7 Only models with dual clutch gearbox
- *8 From May 2012



Anti-dazzle interior mirror button, Onboard supply control unit, Front interior light, Rear interior light, Automatic anti-dazzle interior mirror

- E386 Anti-dazzle interior mirror button
- J519 Onboard supply control unit
- T3e 3-pin connector
- T3h 3-pin connector
- T6ab 6-pin connector, black
- T52c 52-pin connector, brown
- W1 Front interior light
- W13 Front passenger reading light
- W19 Driver side reading light
- W43 Rear interior light
- Y7 Automatic anti-dazzle interior mirror
- 370 Earth connection 5, in main wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B559 Positive connection 1 (30g), in main wiring harness
- * Only models with rain and light sensor
- *2 Only Camper
- *3 Not for Camper

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Fresh air blower switch, Heater/heat output switch, Onboard supply control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower, Air recirculation flap control motor

- E9 Fresh air blower switch
- E16 Heater/heat output switch
- E159 Fresh air and air recirculation flap switch
- E230 Heated rear window button
- G143 Potentiometer for air recirculation flap control motor
- J485 Auxiliary heater operation relay
- J519 Onboard supply control unit
- K10 Heated rear window warning lamp
- K114 Fresh air and air recirculation warning lamp
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- T4ae 4-pin connector, black
- T5 5-pin connector, black
- T6bj 6-pin connector, black
- T10k 10-pin connector, black
- T20c 20-pin connector, black
- T52a 52-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown
- V2 Fresh air blower
- V113 Air recirculation flap control motor

(B177) Connection (61), in interior wiring harness

(L66) Connection, in heater blower wiring harness

(L75) Connection 2, in heater blower wiring harness

* see applicable current flow diagram for engine

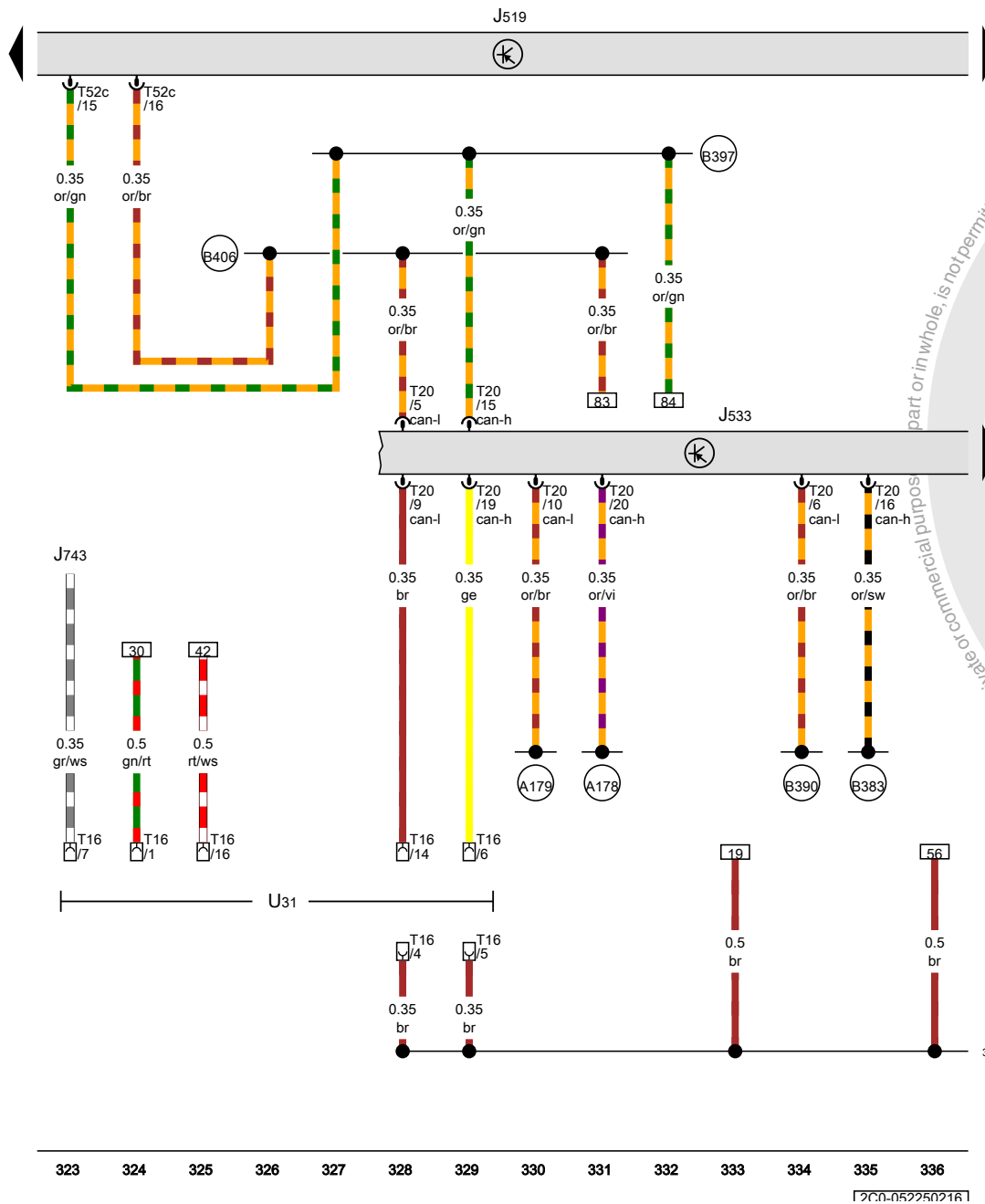
*2 Only models with auxiliary coolant heater

*3 Only models with no auxiliary coolant heater

*4 Only models with start/stop system

*5 Only models with no start/stop system

Onboard supply control unit, Data bus diagnostic interface,
Diagnostic connection



- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- J743 Mechatronic unit for dual clutch gearbox
- T16 16-pin connector
- T20 20-pin connector, red
- T52c 52-pin connector, brown
- U31 Diagnostic connection

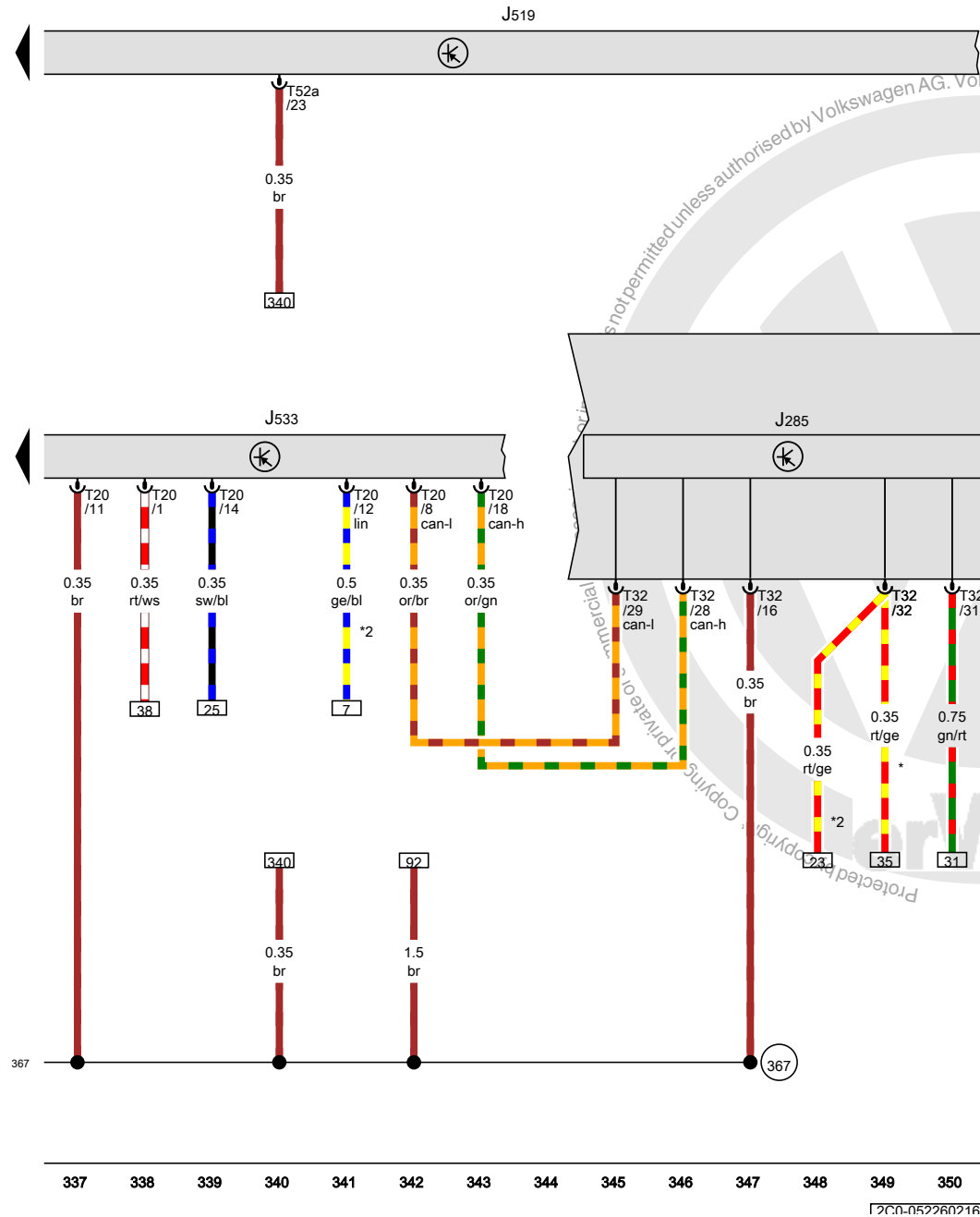
- 367 Earth connection 2, in main wiring harness
- A178 Connection (infotainment CAN bus, high), in dash panel wiring harness
- A179 Connection (infotainment CAN bus, low), in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

Control unit in dash panel insert, Onboard supply control unit, Data bus diagnostic interface

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- T20 20-pin connector, red
- T32 32-pin connector, blue
- T52a 52-pin connector, black

367 Earth connection 2, in main wiring harness

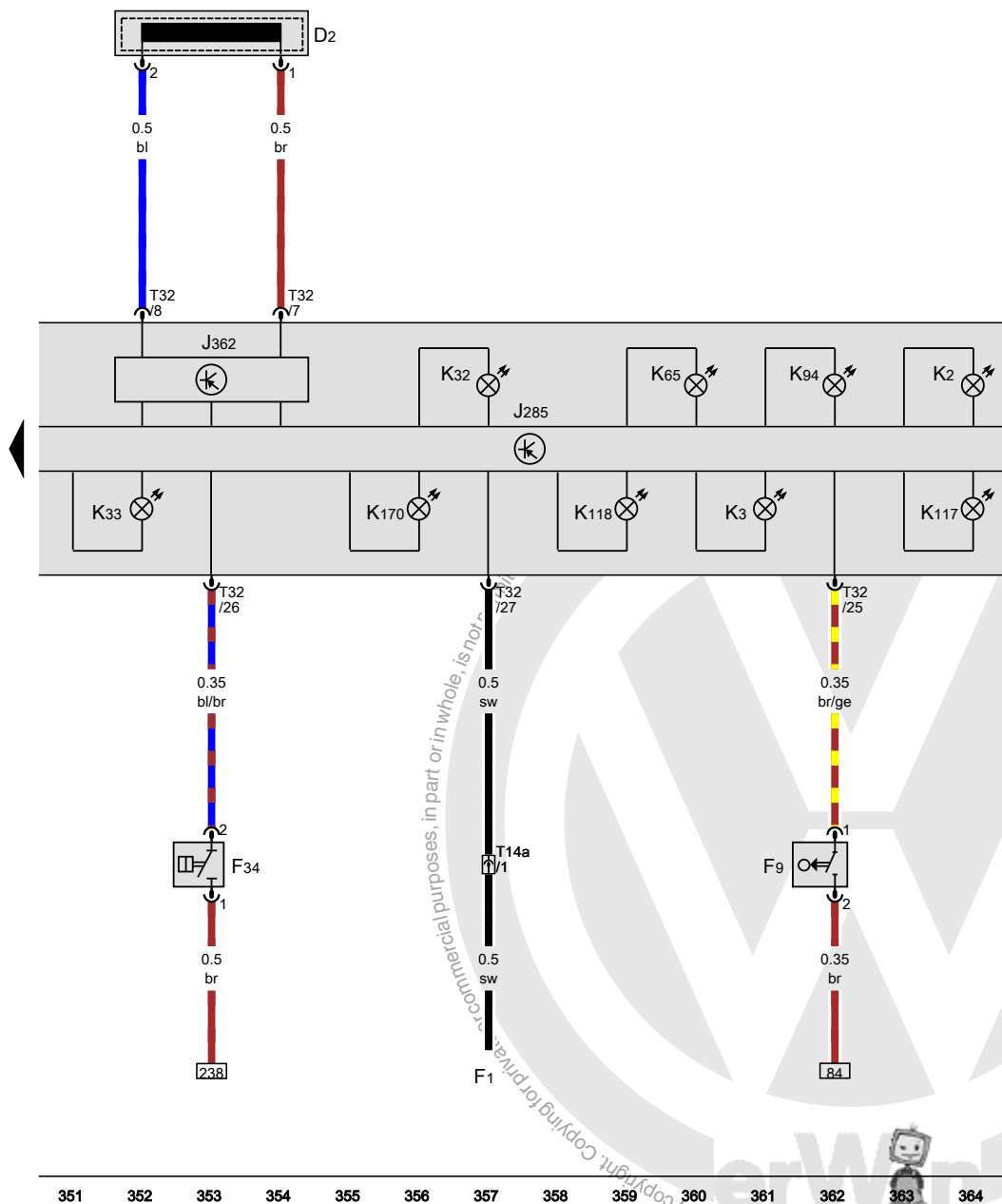
- * Only models with no start/stop system
- *2 Only models with start/stop system



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Immobiliser reader coil, Handbrake warning switch, Brake fluid level warning contact, Control unit in dash panel insert, Bulb failure warning lamp

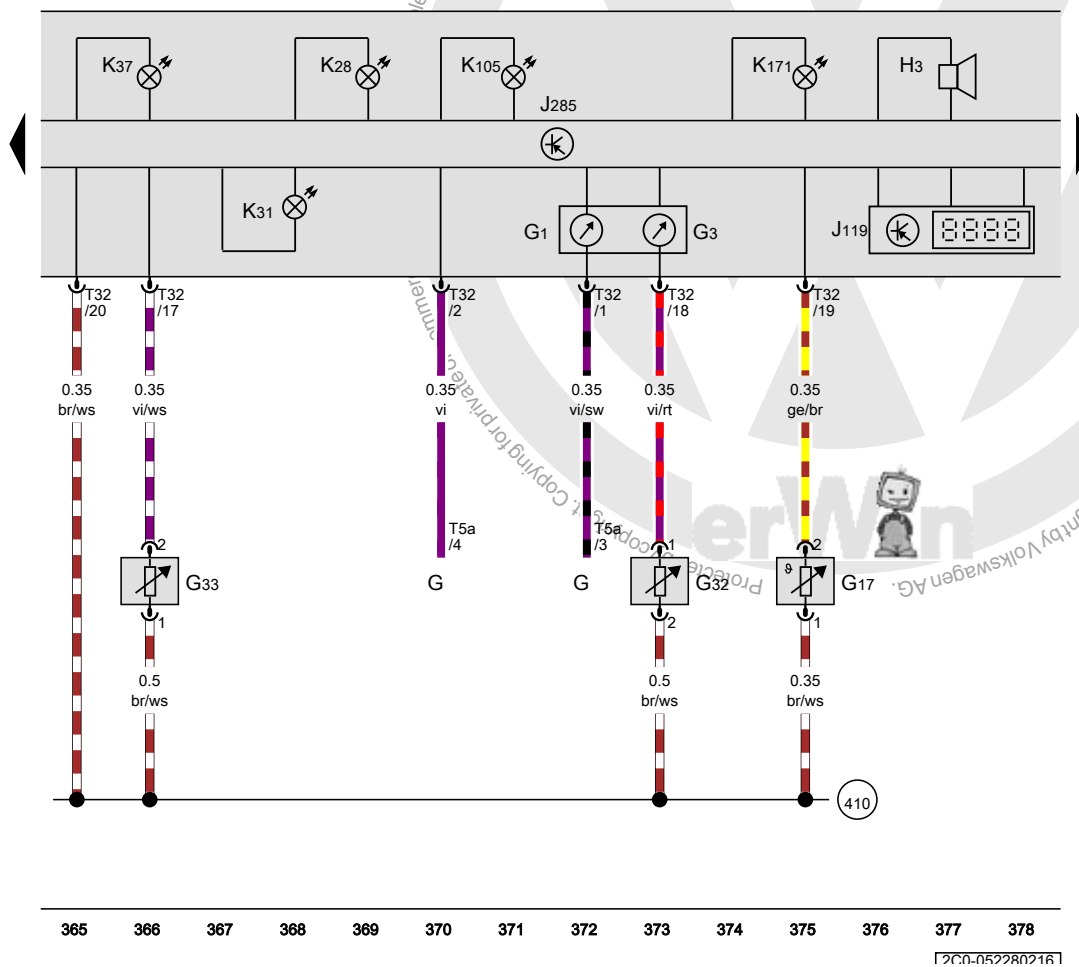
- D2 Immobiliser reader coil
- F1 Oil pressure switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit in dash panel insert
- J362 Immobiliser control unit
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K32 Brake pad warning lamp
- K33 Brake fluid level warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K117 Immobiliser warning lamp
- K118 Brake system warning lamp
- K170 Bulb failure warning lamp
- T14a 14-pin connector, near left headlight, black
- T32 32-pin connector, blue



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- vi = purple
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- or = orange
- rs = pink

Fuel gauge, Coolant temperature gauge, Ambient temperature sensor, Coolant shortage indicator sender, Windscreen washer fluid level sender, Multifunction indicator, Control unit in dash panel insert, Coolant temperature and coolant shortage warning lamp, Washer fluid level warning lamp, Reserve fuel warning lamp, Bonnet open warning lamp

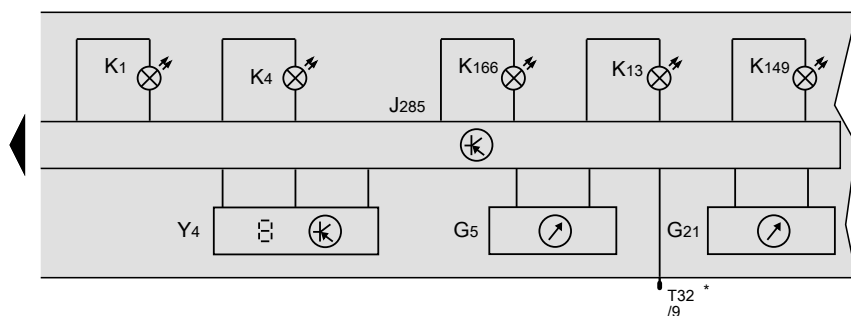
- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G32 Coolant shortage indicator sender
- G33 Windscreen washer fluid level sender
- H3 Buzzer and gong
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K37 Washer fluid level warning lamp
- K105 Reserve fuel warning lamp
- K171 Bonnet open warning lamp
- T5a 5-pin connector, black
- T32 32-pin connector, blue
- 410 Earth connection 1 (sender earth) in main wiring harness



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

Rev. counter, Speedometer, Control unit in dash panel insert, Main beam warning lamp, Side light warning lamp, Rear fog light warning lamp, Engine electronics warning lamp, Door open warning lamp, Trip counter

- G5 Rev. counter
- G21 Speedometer
- J285 Control unit in dash panel insert
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- K149 Engine electronics warning lamp
- K166 Door open warning lamp
- Y4 Trip counter
- * Output for speed signal



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- or = orange
- rs = pink

379 380 381 382 383 384 385 386 387 388 389 390 391 392

1700-052290216

Cigarette lighter, 12 V socket, 12 V socket 2, 12 V socket 3

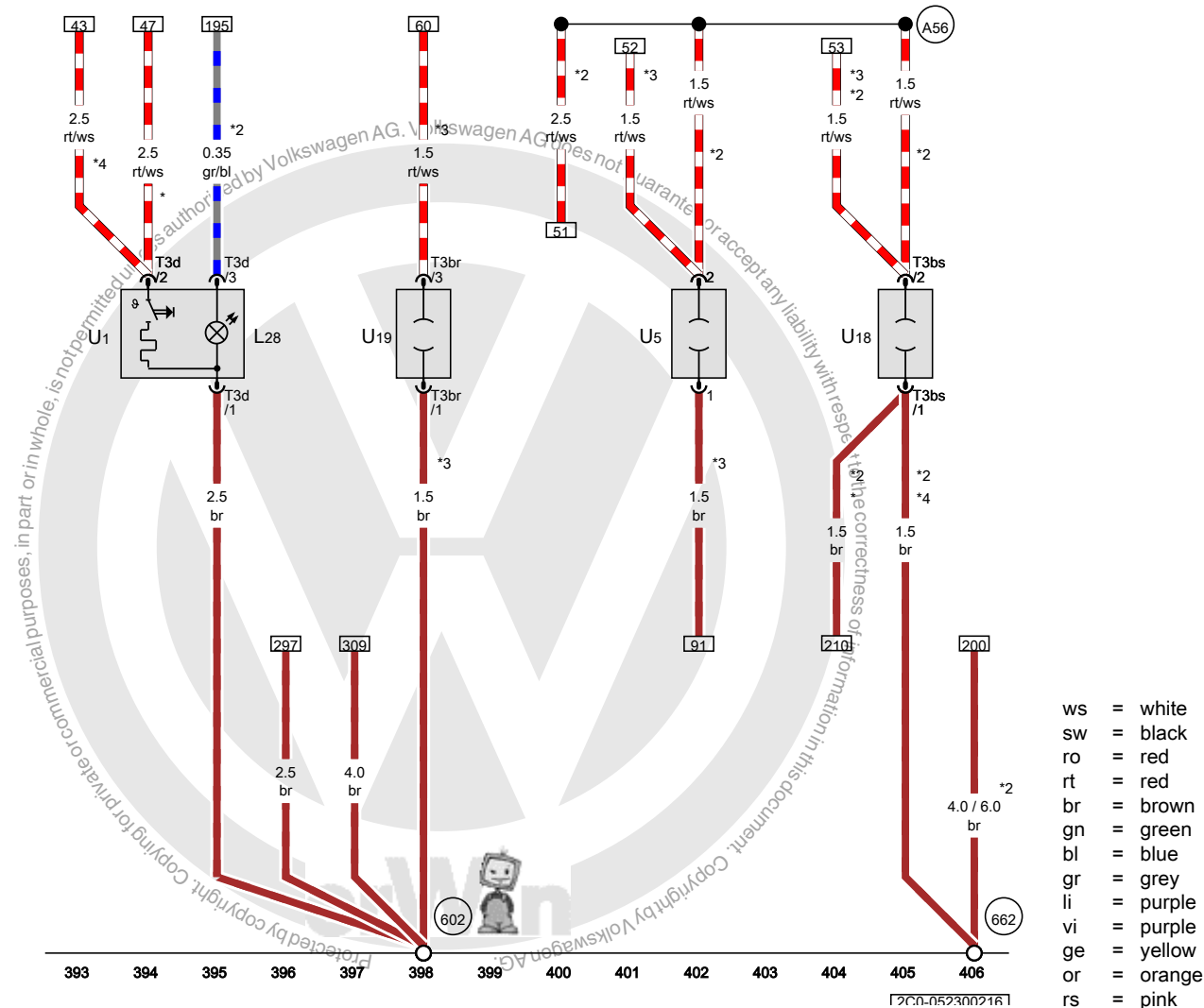
- L28 Cigarette lighter illumination bulb
- T3br 3-pin connector
- T3bs 3-pin connector
- T3d 3-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in rear centre console
- U18 12 V socket 2, in rear left side panel
- U19 12 V socket 3, in storage compartment

602 Earth point, in front left footwell

662 Earth point, rear left side panel

A56 Positive connection 2 (30), in dash panel wiring harness

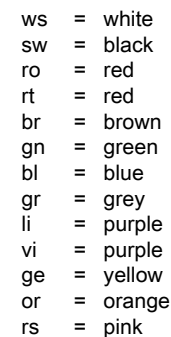
- * Up to October 2012
- *2 According to equipment
- *3 Only models with 12 V socket
- *4 From November 2012



Headlights with halogen bulbs (H7) , (81D)

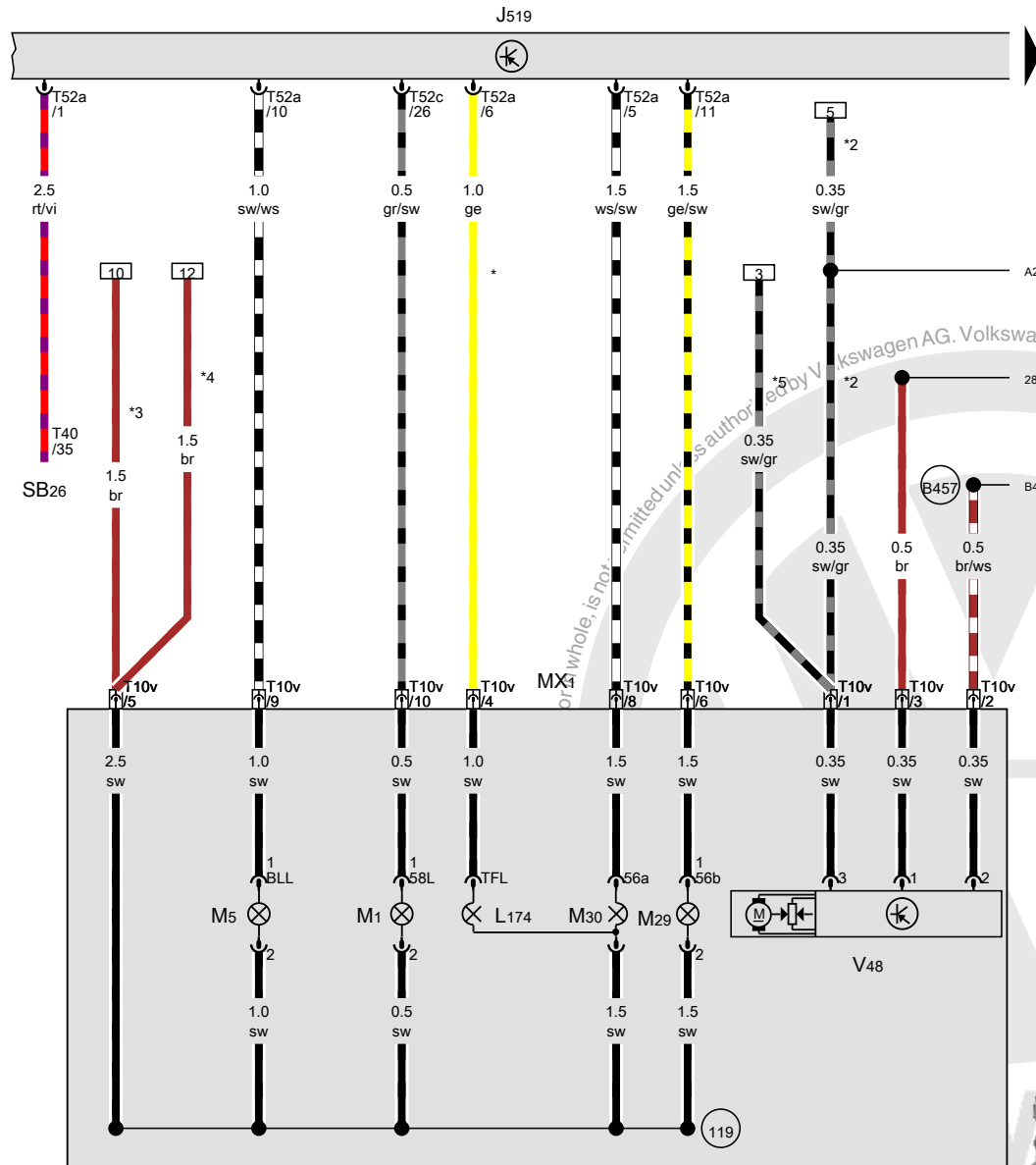
From August 2010





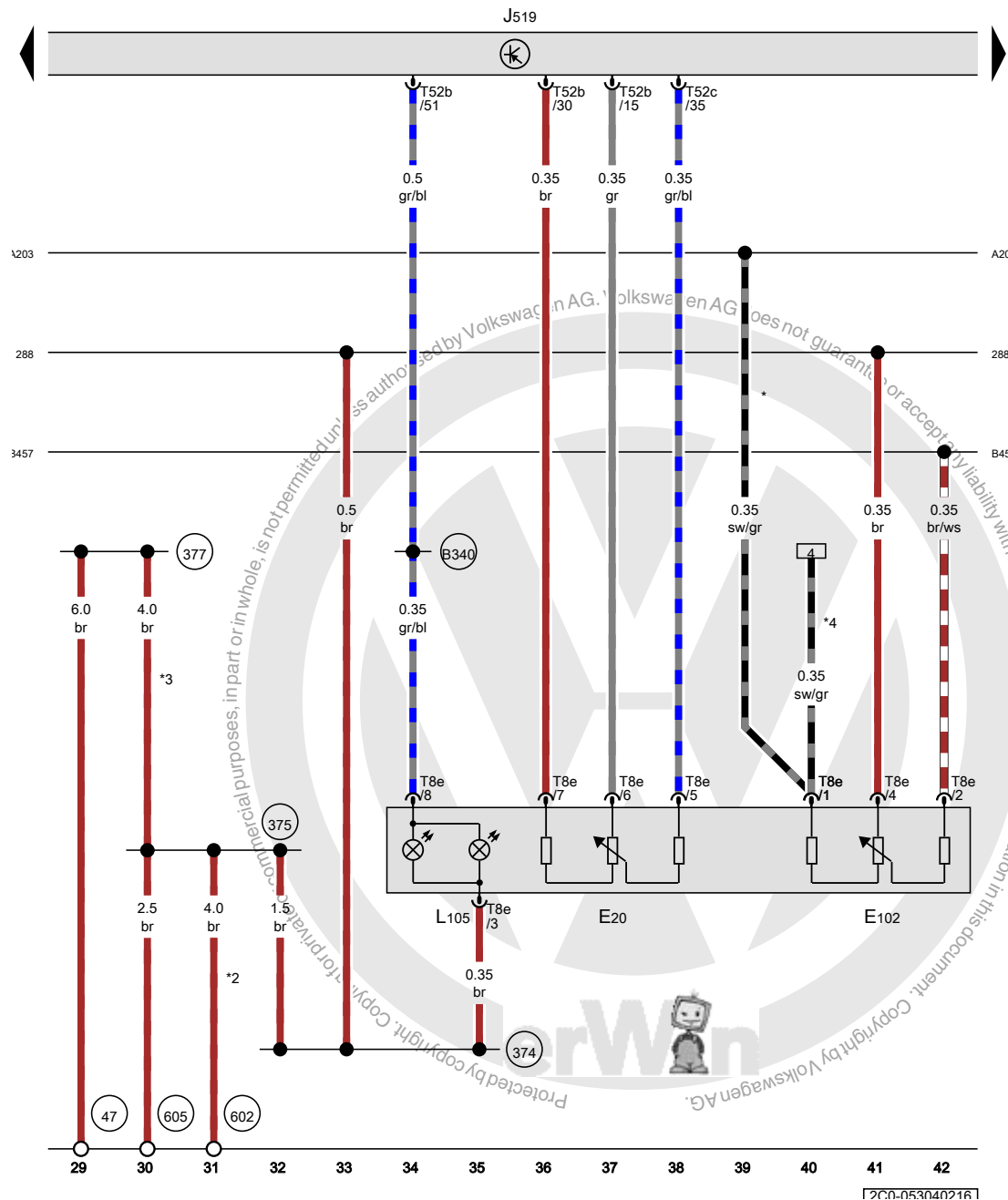
J329	Terminal 15 voltage supply relay
SC	Fuse holder C
SC13	Fuse 13 on fuse holder C
209	Earth connection 6, in engine compartment wiring harness
376	Earth connection 11, in main wiring harness
655	Earth point, on left headlight
A199	Positive connection 4 (15a) in dash panel wiring harness
B163	Positive connection 1 (15), in interior wiring harness
*	Up to October 2011
*2	From November 2012
*3	Up to April 2012
*4	From May 2012
*5	From November 2011

Onboard supply control unit, Left daytime running light bulb, Left side light bulb, Front left headlight, Front left turn signal bulb, Left headlight dipped beam bulb, Left headlight main beam bulb, Left headlight range control motor



- J519 Onboard supply control unit
- L174 Left daytime running light bulb
- M1 Left side light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- SB26 Fuse 26 on fuse holder B
- T10v 10-pin connector, on left headlight, black
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- V48 Left headlight range control motor
- 119 Earth connection 1, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Only models with daytime running lights
- *2 Up to October 2011
- *3 From November 2012
- *4 Up to April 2012
- *5 From November 2011

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



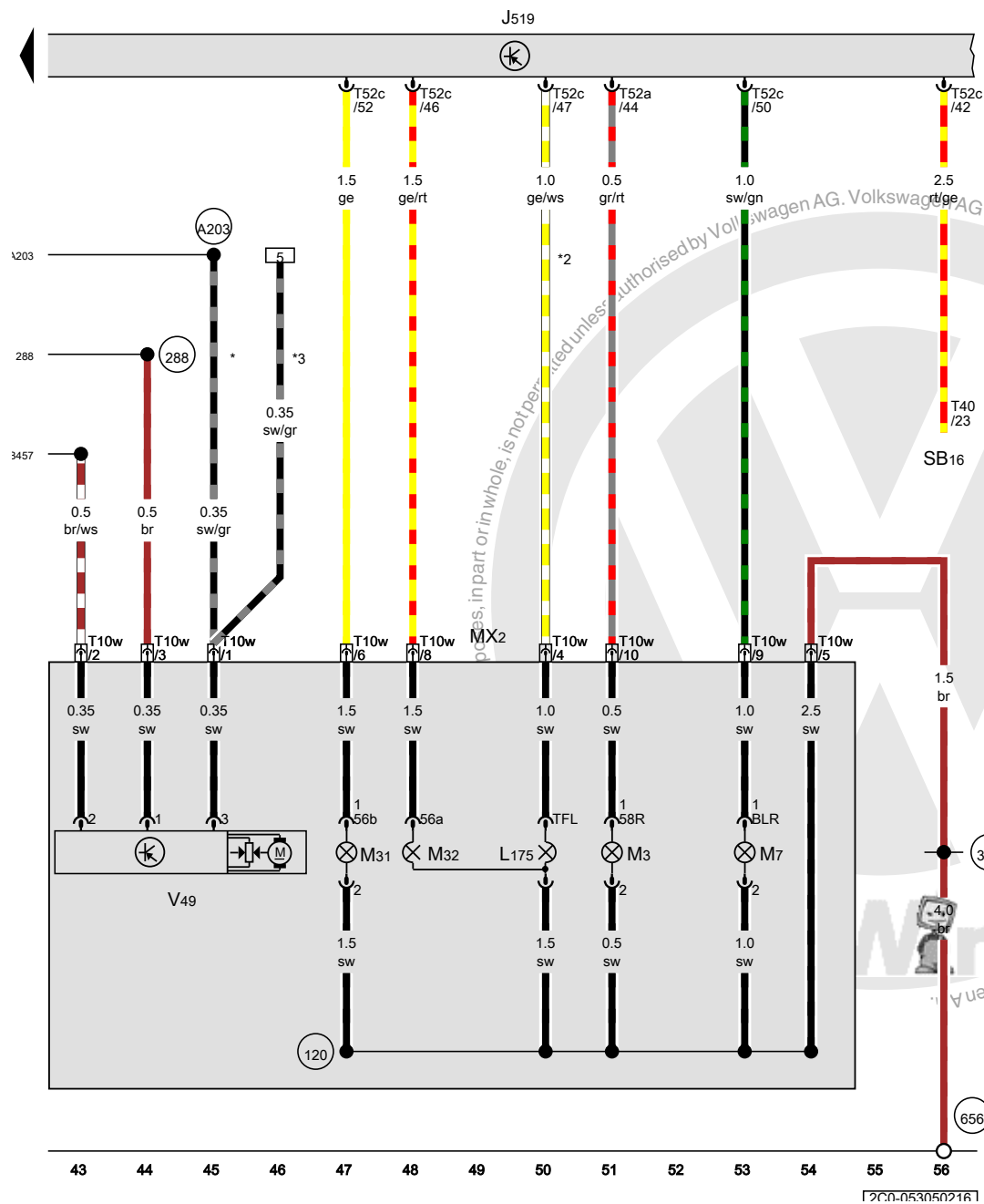
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- L105 Illumination regulator illumination bulb
- T8e 8-pin connector, black
- T52b 52-pin connector, white
- T52c 52-pin connector, brown

- 47 Earth point, in front right footwell
- 288 Earth connection (HRC), in dash panel wiring harness
- 374 Earth connection 9, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- 602 Earth point, in front left footwell
- 605 Earth point, on top end of steering column
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness

- * Up to October 2011
- *2 Only left-hand drive models
- *3 Only right-hand drive models
- *4 From November 2011

- 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



Onboard supply control unit, Right daytime running light bulb, Front right headlight, Right side light bulb, Front right turn signal bulb, Right headlight dipped beam bulb, Right headlight main beam bulb, Right headlight range control motor

- J519 Onboard supply control unit
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- SB16 Fuse 16 on fuse holder B
- T10w 10-pin connector, on right headlight, black
- T40 40-pin connector, black
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- V49 Right headlight range control motor

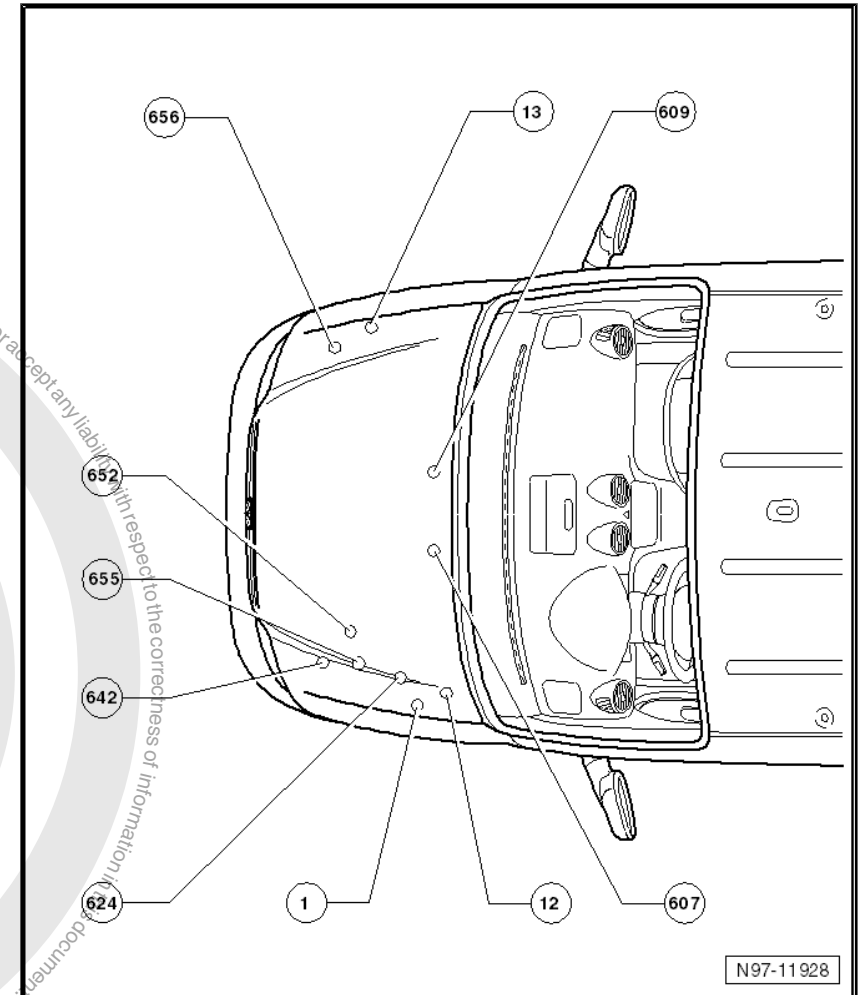
- 120 Earth connection 2, in headlight wiring harness
- 288 Earth connection (HRC), in dash panel wiring harness
- 378 Earth connection 13, in main wiring harness
- 656 Earth point, on right headlight
- A203 Positive connection 7 (15a) in dash panel wiring harness
- B457 Connection 1 (potentiometer), in main wiring harness
- * Up to October 2011
- *2 Only models with daytime running lights
- *3 From November 2011

- 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

1 Earth points

1.1 Overview of all earth points in engine compartment

- 1 - 656 Earth point, on right headlight
 - ☐ Fitting location ⇒ [page 3](#)
 - ☐ Specified torque: 9 Nm
- 2 - 13 Earth point in engine compart., right
 - ☐ Fitting location ⇒ [page 3](#)
 - ☐ Specified torque: 9 Nm
- 3 - 609 Earth point, on right in plenum chamber
 - ☐ Fitting location ⇒ [page 3](#)
 - ☐ Specified torque: 9 Nm
- 4 - 607 Earth point, on left in plenum chamber
 - ☐ Fitting location ⇒ [page 3](#)
 - ☐ Specified torque: 9 Nm
- 5 - 12 Earth point, in engine compart., left
 - ☐ Fitting location ⇒ [page 2](#)
 - ☐ Specified torque: 20 Nm
- 6 - 1 Earth strap, battery - body
 - ☐ Fitting location ⇒ [page 2](#)
 - ☐ Specified torque: 9 Nm
- 7 - 624 Earth point next to starter battery
 - ☐ Fitting location ⇒ [page 2](#)
 - ☐ Specified torque: 9 Nm
 - ☐ Only for right-hand drive
- 8 - 642 Earth point, elec. controlled fan
 - ☐ Fitting location ⇒ [page 4](#)
 - ☐ Specified torque: 9 Nm
- 9 - 655 Earth point, on left headlight
 - ☐ Fitting location ⇒ [page 4](#)
 - ☐ Specified torque: 9 Nm



10 - 652 Earth point for engine and gearbox earth

- ☐ Fitting location ⇒ [page 4](#)
- ☐ Specified torque: 20 Nm

1 - Earth strap, battery - body -arrow A-

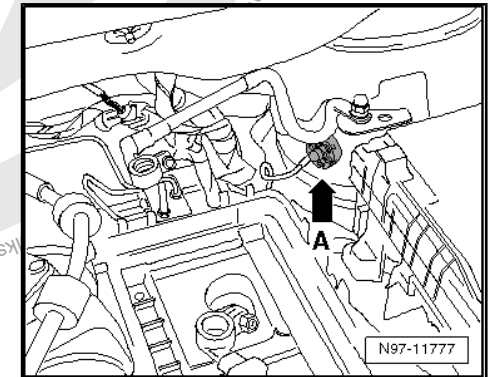
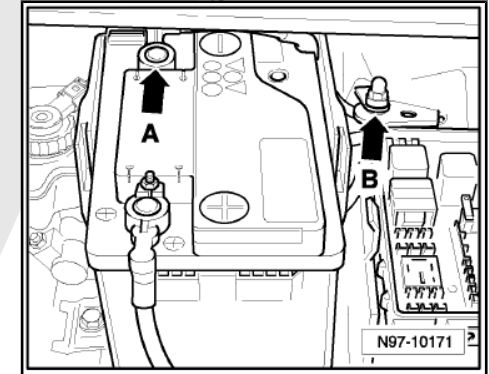
12 - Earth point in engine compart., left -arrow B-

624 - Earth point next to starter battery -arrow A-



Note

- ◆ *The battery -A- has been removed!*
- ◆ *Only for RHD vehicles*

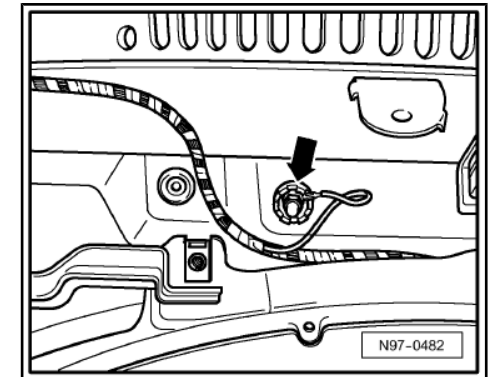
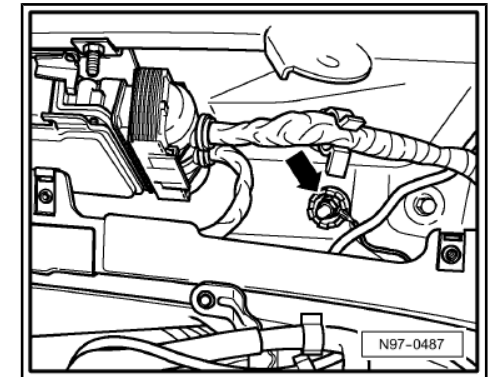
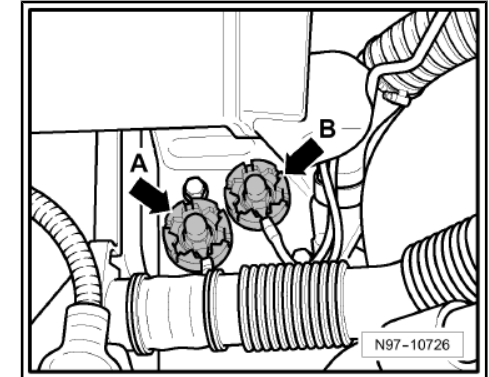


656 - Earth point, on right headlight -arrow A-

13 - Earth point, in engine compartment, right -arrow B-

607 - Earth point on left of plenum chamber -arrow-

609 - Earth point on right in plenum chamber -arrow-

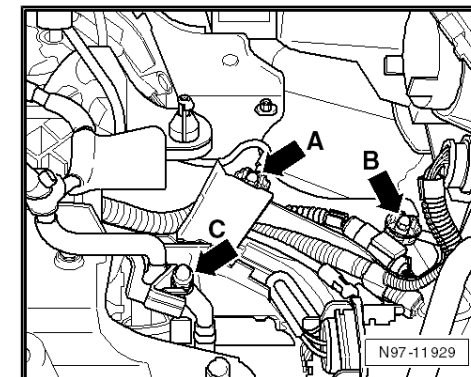


642 - Earth point for elec. controlled fan -arrow B-

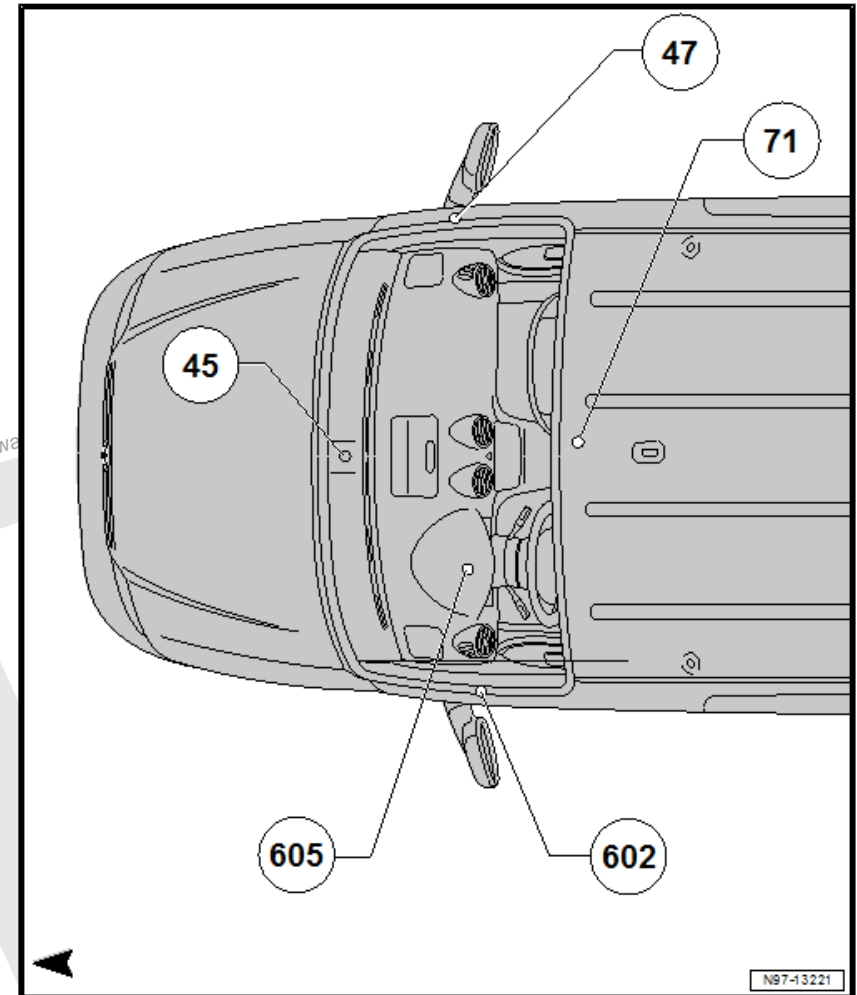
652 - Earth point for engine and gearbox earth -arrow C-

655 - Earth point on left headlight -arrow A-

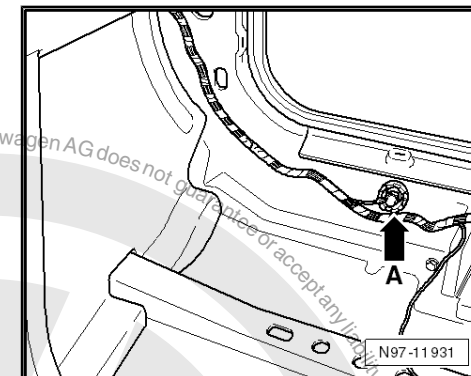
1.2 Overview of all earth points in interior



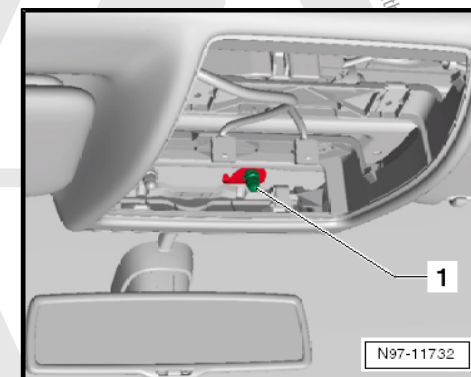
- 1 - **47 Earth point, in front right footwell**
 - ☐ Fitting location ⇒ [page 6](#)
 - ☐ Specified torque: 9 Nm
- 2 - **71 Earth point, front roof cross member**
 - ☐ Fitting location ⇒ [page 6](#)
 - ☐ Specified torque: 2 Nm
- 3 - **602 Earth point in front left footwell**
 - ☐ Fitting location ⇒ [page 6](#)
 - ☐ Specified torque: 9 Nm
- 4 - **605 Earth point on top end of steering column**
 - ☐ Fitting location ⇒ [page 7](#)
 - ☐ Specified torque: 9 Nm
- 5 - **45 Earth point at centre behind dash panel**
 - ☐ Fitting location ⇒ [page 7](#)
 - ☐ Specified torque: 9 Nm



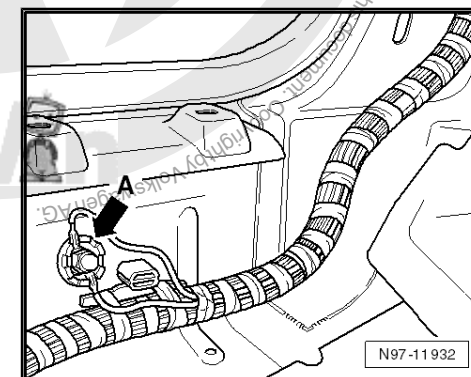
47 - Earth point in front right footwell -arrow A-



71 - Earth point, front roof cross member -1-



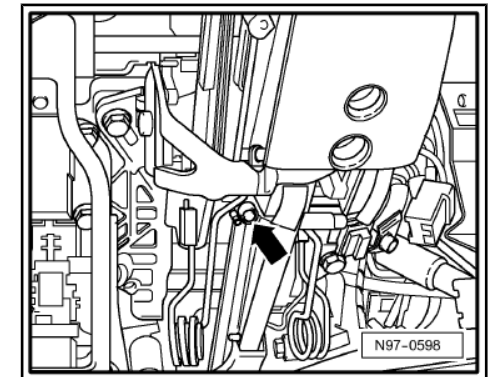
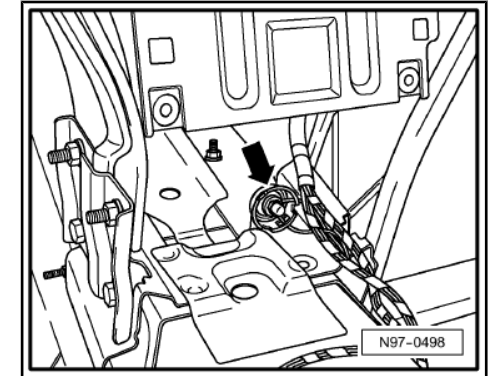
602 - Earth point, in front left footwell -arrow A-



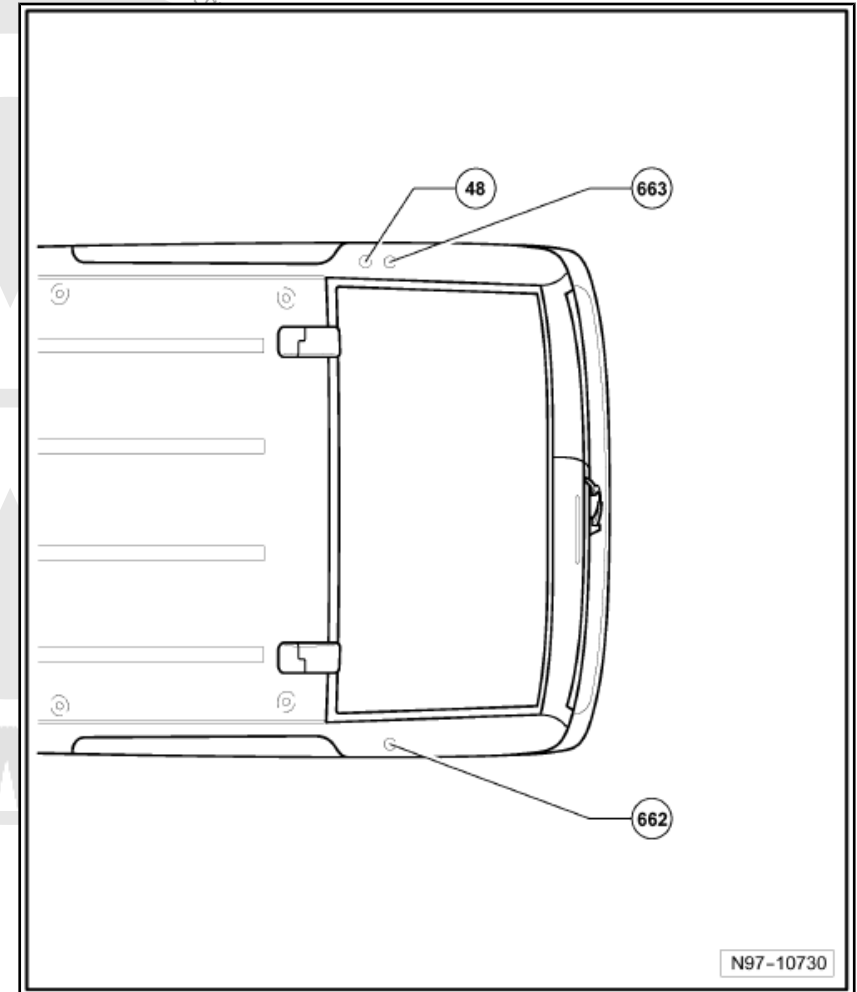
45 - Earth point, centre behind dash panel -arrow-

605 - Earth point, on top end of steering column -arrow-

1.3 Overview of all earth points in luggage compartment



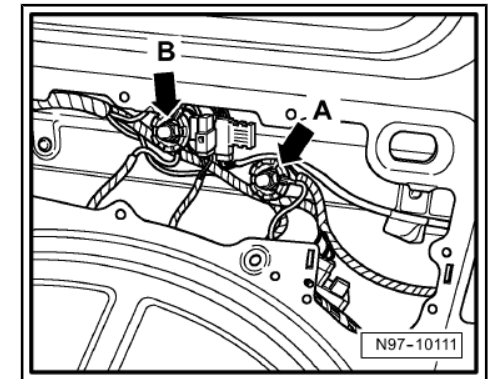
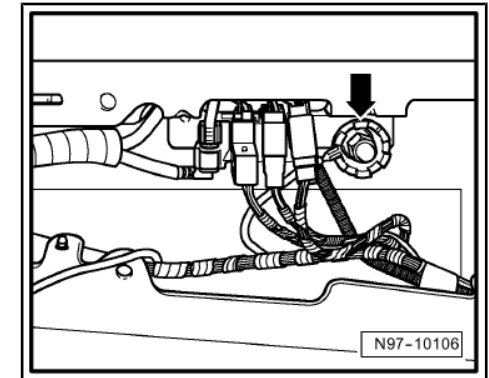
- 1 - **48 Earth point, side part**
 - ☐ Fitting location ⇒ [page 9](#)
 - ☐ Specified torque: 9 Nm
- 2 - **663 Earth point, rear right side panel**
 - ☐ Fitting location ⇒ [page 9](#)
 - ☐ Specified torque: 9 Nm
- 3 - **662 Earth point, in rear left side panel**
 - ☐ Fitting location ⇒ [page 9](#)
 - ☐ Specified torque: 9 Nm



662 - Earth point, rear left side panel -arrow-

48 - Earth point, side part -arrow B-

663 - Earth point, rear right side panel -arrow A-



1 Fuses in engine compartment

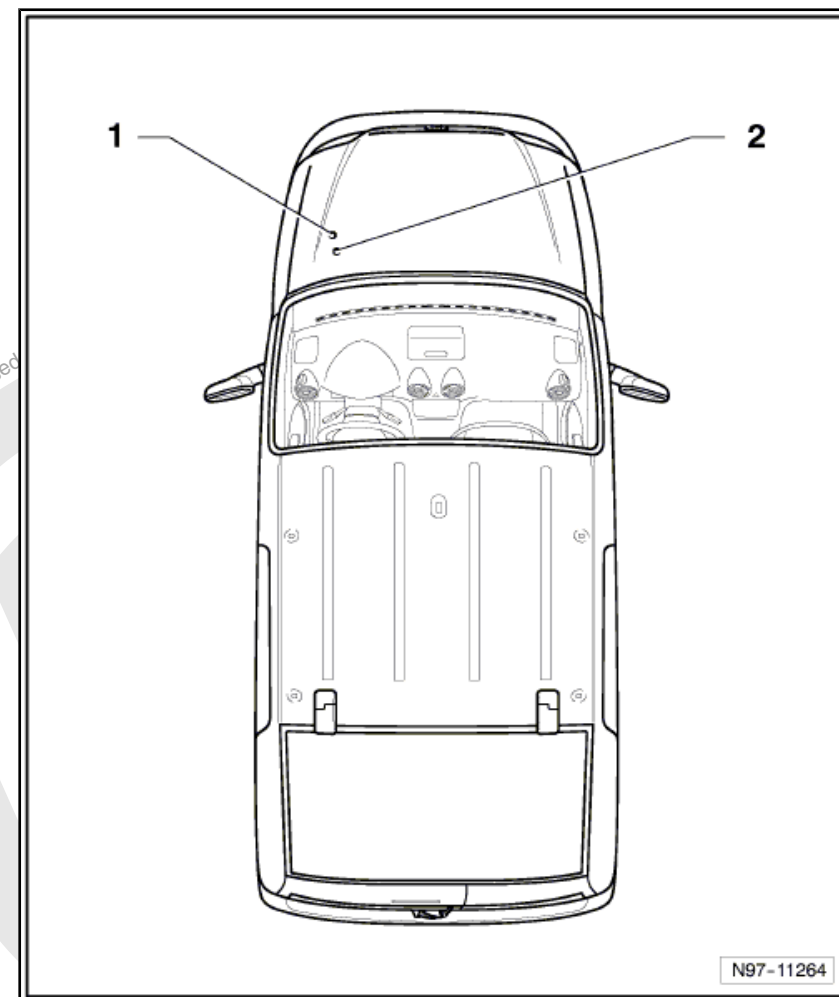
1.1 Overview of fuse holders in engine compartment

1 - Fuses on fuse holder A -SA-

- ☐ Fitting location ⇒ [page 2](#)
- ☐ Fuse assignment ⇒ [page 3](#)

2 - Fuses on fuse holder B -SB-

- ☐ Fitting location ⇒ [page 4](#)
- ☐ Fuse assignment ⇒ [page 5](#)



1.2 Fuses on fuse holder A -SA- on the front of the E-box, in engine compart., left, beside the battery -A-

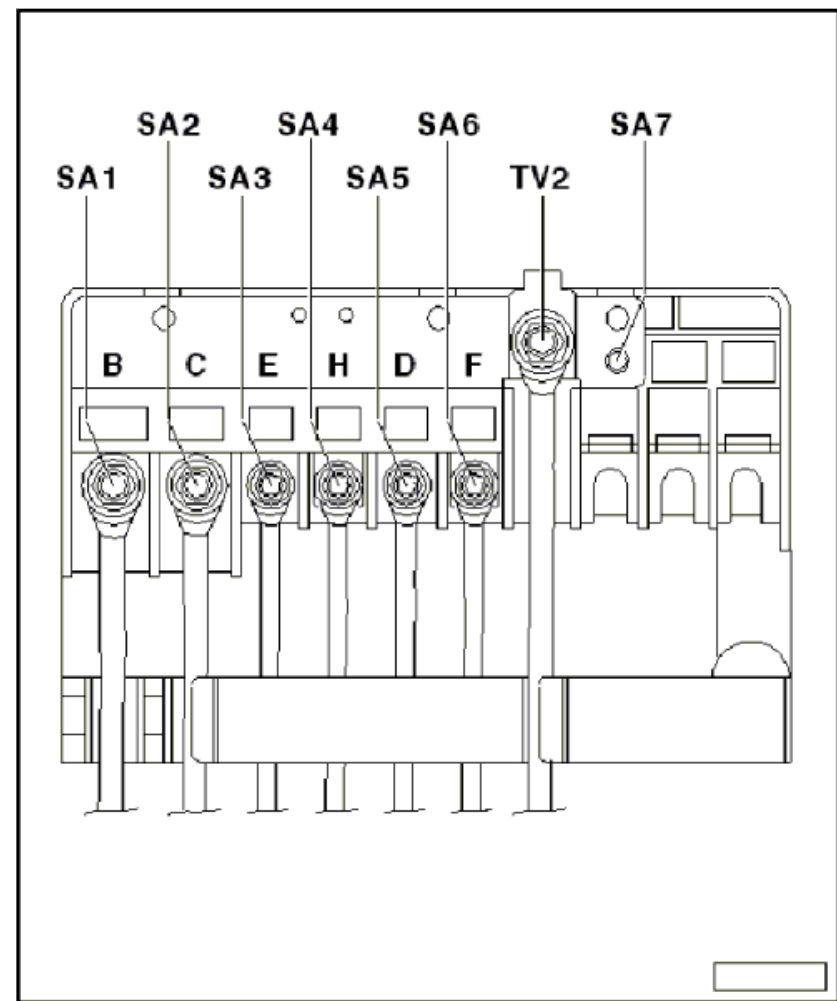
1.2.1 Specified torque settings

⇒ Electrical system, Repair Group 97, Removing and installing fuse holders

1.2.2 Fuse colours



200 A - purple
 150 A - grey
 125 A - pink
 100 A - blue
 80 A - white
 70 A - brown
 60 A - yellow
 50 A - red
 40 A - green
 30 A - orange



1.3 Fuse assignment on fuse holder A -SA-

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder A -SA1-	150 A	- Alternator -C-	30
		200 A	- Alternator -C- ¹⁾	30
2	- Fuse 2 on fuse holder A -SA2-	80 A	- Power steering control unit -J500- Electromechanical power steering motor -V187-	30

3	- Fuse 3 on fuse holder A -SA3-	50 A	- Radiator fan control unit -J293-	30
4	- Fuse 4 on fuse holder A -SA4-	80 A	- X-contact relief relay -J59- ♦ Fuse holder C -SC- (-SC28- up to -SC33-)	30
5	- Fuse 5 on fuse holder A -SA5-	80 A	- Fuse holder C -SC- (-SC20- up to -SC24- and -SC43- up to -SC53-)	30
6	- Fuse 6 on fuse holder A -SA6-	40 A	- Low heat output relay -J359-	30
7	- Fuse 7 on fuse holder A -SA7-	80 A	- High heat output relay -J360-	30

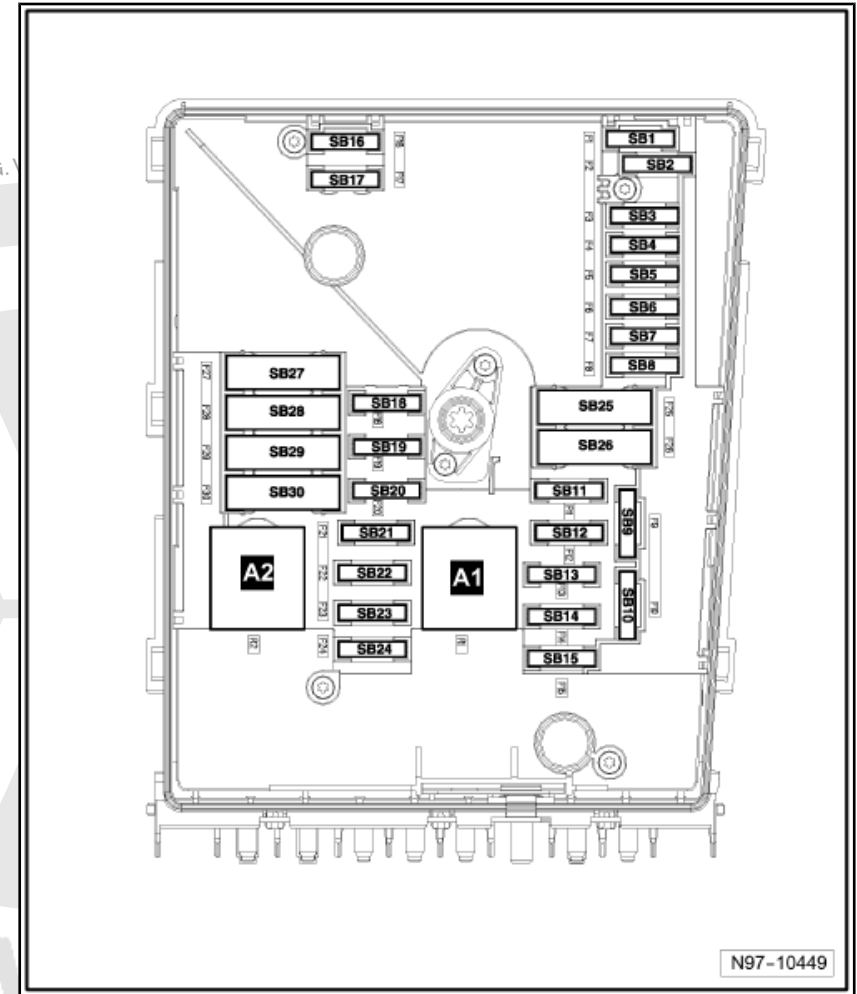

Note

1) Models with 140 A generator only

1.4 Fuses on fuse holder B -SB- on the E-box, in engine compart., left, beside the battery -A-

1.4.1 Fuse colours

- 40 A - orange
- 30 A - light green
- 25 A - natural (white)
- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7,5 A - brown
- 5 A - light brown (beige)
- 3 A - purple



1.5 Fuse locations on fuseholder B -SB-

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder B -SB1-	-	-	-
2	- Fuse 2 on fuse holder B -SB2-	30 A	- Mechatronic unit for dual clutch gearbox -J743-	30
3	- Fuse 3 on fuse holder B -SB3-	5 A	- Battery monitoring control unit -J367- Onboard supply control unit -J519- (T52a/24)	30

4	- Fuse 4 on fuse holder B -SB4-	20 A	- ABS control unit -J104- ABS hydraulic unit -N55-	30
5	- Fuse 5 on fuse holder B -SB5-	15 A	- Mechatronic unit for dual clutch gearbox -J743-	30
6	- Fuse 6 on fuse holder B -SB6-	5 A	- Control unit in dash panel insert -J285- Steering column electronics control unit -J527-	30
7	- Fuse 7 on fuse holder B -SB7-	40 A	- Terminal 15 voltage supply relay -J329- ♦ Fuse holder C -SC- (-SC9- up to -SC16- and -SC25- up to -SC27-)	30
8	- Fuse 8 on fuse holder B -SB8-	15 A	- Control unit with display for radio and navigation -J503- Radio -R- Voltage stabiliser -J532- ³⁾ ♦ Control module with display unit for radio and navigation system -J503- ♦ Radio -R- ♦ Fuse 57 on fuse holder C -SC57- ♦ Fuse 58 on fuse holder C -SC58-	30
9	- Fuse 9 on fuse holder B -SB9-	5 A	- Mobile telephone operating electronics control unit -J412- ⁴⁾	30
10	- Fuse 10 on fuse holder B -SB10-	5 A	- Main relay -J271- Engine control unit -J623- Engine component current supply relay -J757-	30
11	- Fuse 11 on fuse holder B -SB11-	30 A	- Auxiliary heater control unit -J364-	30
12	- Fuse 12 on fuse holder B -SB12-	5 A	- Data bus diagnostic interface -J533-	30
13	- Fuse 13 on fuse holder B -SB13-	15 A	- Engine control unit -J623- (petrol engine)	87a
		30 A	- Engine control unit -J623- (diesel engine)	87a
14	- Fuse 14 on fuse holder B -SB14-	15 A	- Fuel pressure regulating valve -N276- (diesel engine) Fuel metering valve -N290- (diesel engine)	87a
		20 A	- Ignition transformer -N152- Ignition coil 1 with output stage -N70- Ignition coil 2 with output stage -N127- Ignition coil 3 with output stage -N291- Ignition coil 4 with output stage -N292-	87a
15	- Fuse 15 on fuse holder B -SB15-	5 A	- Low heat output relay -J359- (diesel engine) High heat output relay -J360- (diesel engine) Fuel pump relay -N17- Electric fuel pump 2 relay -J49- Automatic glow period control unit -J179-	87a

		10 A	- Lambda probe heater -Z19- Lambda probe 1 heater after catalytic converter -Z29- Low heat output relay -J359- High heat output relay -J360- Fuel pump switch-off relay -J333- ²⁾ Gas injection valve 1 -N366- ¹⁾ Gas injection valve 2 -N367- ¹⁾ Gas injection valve 3 -N368- ¹⁾ Gas injection valve 4 -N369- ¹⁾	87a
		15 A	- High-pressure valve for gas mode -N372- ²⁾ Valve for gas tank -N495- ²⁾ Sensor for gas level gauge -G707- ²⁾ Gas injection valve 1 -N366- ²⁾ Gas injection valve 2 -N367- ²⁾ Gas injection valve 3 -N368- ²⁾ Gas injection valve 4 -N369- ²⁾	87a
16	- Fuse 16 on fuse holder B -SB16-	30 A	- Onboard supply control unit -J519- (T52c/42) ♦ Light bulb for right foglamp -L23- ♦ Right cornering light bulb -L149- ♦ Rear left fog light bulb -L46- , or rear right fog light bulb -L47- ♦ Right daytime running light bulb -L175- ♦ Left side light bulb -M1- ♦ Right tail light bulb -M2- ♦ Rear left turn signal bulb -M6- ♦ Front right turn signal bulb -M7- ♦ Left brake light bulb -M9- ♦ Right reversing light bulb -M17- ♦ Left turn signal repeater bulb -M18- ♦ High-mounted brake light bulb -M25- ♦ Right headlight dipped beam bulb -M31- ♦ Right headlight main beam bulb -M32-	30
17	- Fuse 17 on fuse holder B -SB17-	15 A	- Horn relay -J413-	30
18	- Fuse 18 on fuse holder B -SB18-	30 A	- Special vehicle control unit -J608-	30
19	- Fuse 19 on fuse holder B -SB19-	30 A	- Wiper motor control unit -J400-	30

20	- Fuse 20 on fuse holder B -SB20-	10 A	- Fuel tank shut-off valve 1 -N361- ¹⁾ Fuel tank shut-off valve 2 -N362- ¹⁾ Fuel tank shut-off valve 3 -N363- ¹⁾ Fuel tank shut-off valve 4 -N429- ¹⁾ Fuel tank shut-off valve 5 -N430- ¹⁾ Coolant circulation pump -V50-	87a
21	- Fuse 21 on fuse holder B -SB21-	10 A	- Lambda probe heater -Z19- (diesel engine)	87a
		15 A	- Fuel pump control unit -J538- Lambda probe heater -Z19- Lambda probe 1 heater after catalytic converter -Z29-	87a
22	- Fuse 22 on fuse holder B -SB22-	5 A	- Clutch position sender -G476- Brake light switch -F- ⁵⁾	87a
23	- Fuse 23 on fuse holder B -SB23-	5 A	- Additional coolant pump relay -J496-	87a
		10 A	- Air mass meter -G70- (Diesel engine) Charge pressure control solenoid valve -N75- (Diesel engine) Exhaust gas recirculation cooler changeover valve -N345- (Diesel engine) Control unit for gas mode -J659- Relay for gas shut-off valves -J908- ¹⁾ High-pressure valve for gas mode -N372- ¹⁾	87a
		15 A	- Fuel pressure regulating valve -N276-	87a
24	- Fuse 24 on fuse holder B -SB24-	10 A	- Radiator fan control unit -J293- Secondary air pump relay -J299- Additional coolant pump relay -J496- Activated charcoal filter solenoid valve 1 -N80- Coolant regulating valve -N515- Variable intake manifold changeover valve -N156- Coolant circulation pump 2 -V178- Injector, cylinder 1 -N30- ¹⁾ Injector, cylinder 2 -N31- ¹⁾ Injector, cylinder 3 -N32- ¹⁾ Injector, cylinder 4 -N33- ¹⁾	87a
25	- Fuse 25 on fuse holder B -SB25-	40 A	- ABS hydraulic pump -V64- ABS control unit -J104-	30

26	- Fuse 26 on fuse holder B -SB26-	30 A	- Onboard supply control unit -J519- (T52a/1) ♦ Left cornering light bulb -L148- ♦ Left fog light bulb -L22- ♦ Rear left fog light bulb -L46- , or rear right fog light bulb -L47- ♦ Left daytime running light bulb -L174- ♦ Right side light bulb -M3- ♦ Left tail light bulb -M4- ♦ Front left turn signal bulb -M5- ♦ Rear right turn signal bulb -M8- ♦ Right brake light bulb -M10- ♦ Left reversing light bulb -M16- ♦ Right turn signal repeater bulb -M19- ♦ Left headlight dipped beam bulb -M29- ♦ Left headlight main beam bulb -M30-	30
27	- Fuse 27 on fuse holder B -SB27-	40 A	- Secondary air pump motor -V101-	30
		50 A	- Automatic glow period control unit -J179-	30
28	- Fuse 28 on fuse holder B -SB28-	-	-	-
29	- Fuse 29 on fuse holder B -SB29-	30 A	- Fuse 18 on fuse holder C -SC18- Fuse 19 on fuse holder C -SC19-	30
		50 A	- Fuse 35 on fuse holder C -SC35- Fuse 39 on fuse holder C -SC39- Fuse 54 on fuse holder C -SC54- Fuse 55 on fuse holder C -SC55- Fuse 59 on fuse holder C -SC59- Fuse 60 on fuse holder C -SC60-	30
30	- Fuse 30 on fuse holder B -SB30-	50 A	- Fuse holder C -SC- (-SC40- up to -SC42-)	30

- ♦ 1) for vehicles with engine code BSX only
- ♦ 2) for vehicles with engine code CHGA only
- ♦ 3) for vehicles with start/stop system only
- ♦ 4) for vehicles without start/stop system only
- ♦ 5) effective since November 2011

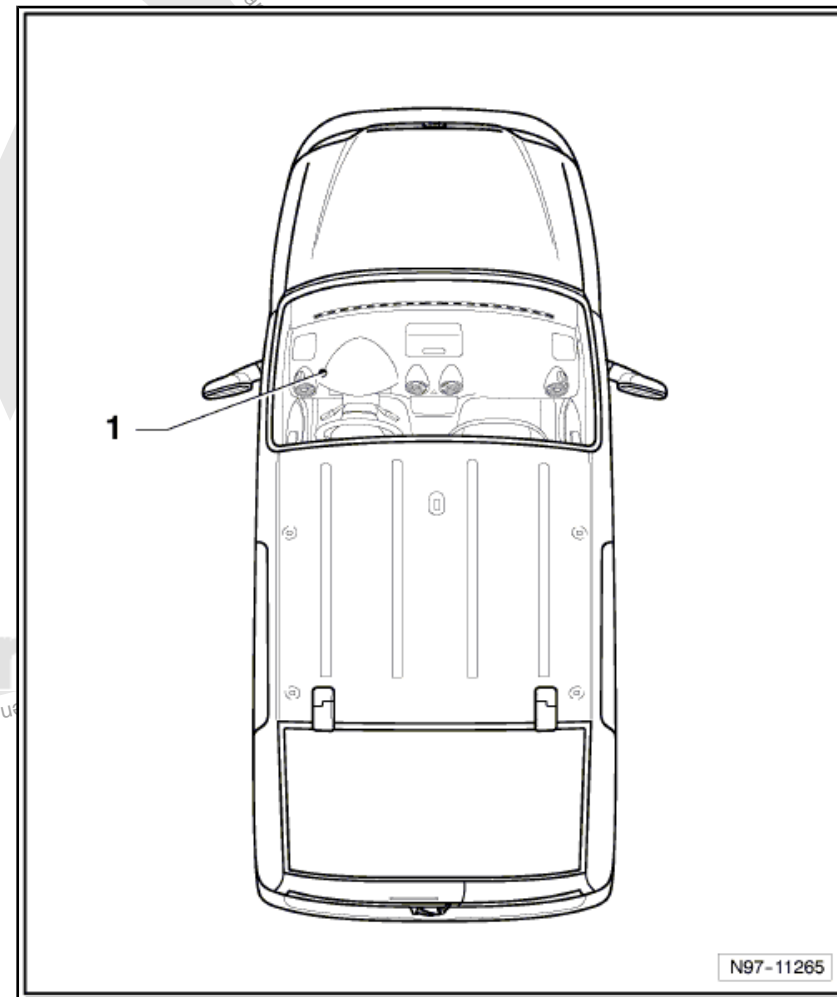


1 - Fitting locations in interior

1.1 Overview of fuse carriers in vehicle interior

1 - Fuses (SC) on fuse holder C

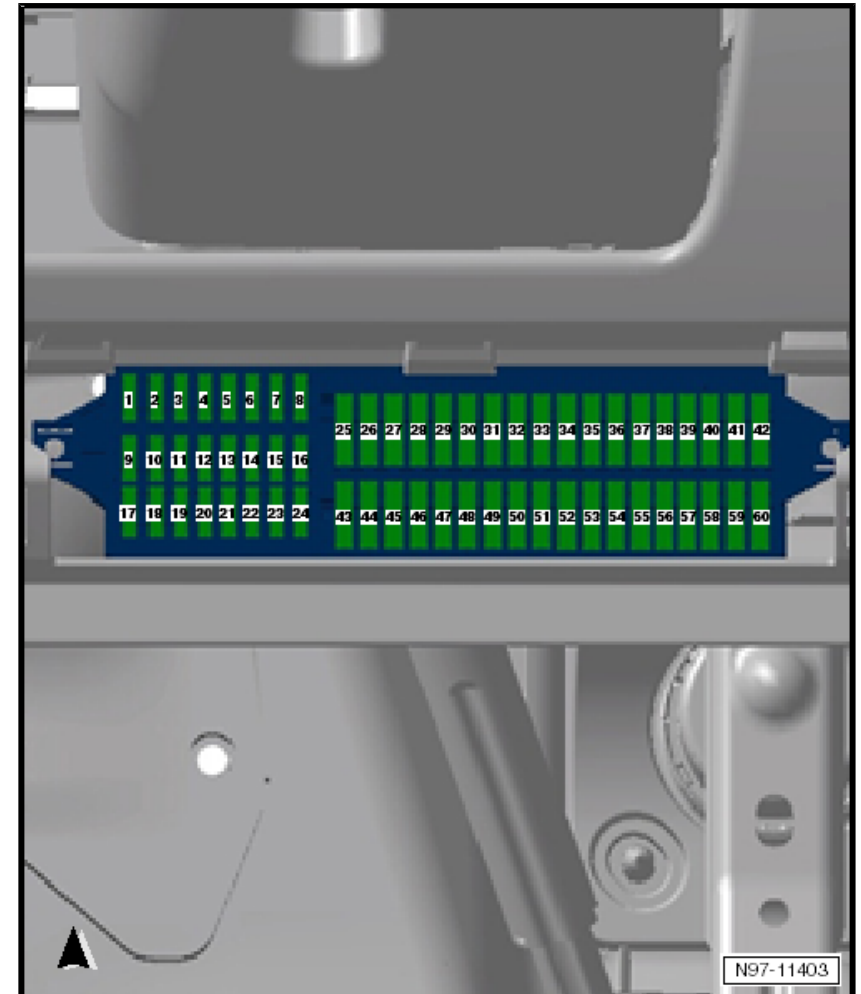
- ☐ Fitting location ⇒ [page 2](#)
- ☐ Fuse assignment ⇒ [page 3](#)



1.2 Fuses on fuse holder C -SC- , on left under dash panel

1.2.1 Fuse colours

- 40 A - orange
- 30 A - light green
- 25 A - clear (transparent)
- 20 A - yellow
- 15 A - light blue
- 10 A - red
- 7,5 A - brown
- 5 A - light brown (beige)
- 3 A - purple



1.3 Fuse assignment on fuse holder C -SC-

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
1	- Fuse 1 on fuse holder C -SC1-	-	-	-	-
2	- Fuse 2 on fuse holder C -SC2-	-	-	-	-
3	- Fuse 3 on fuse holder C -SC3-	-	-	-	-
4	- Fuse 4 on fuse holder C -SC4-	-	-	-	-
5	- Fuse 5 on fuse holder C -SC5-	-	-	-	-
6	- Fuse 6 on fuse holder C -SC6-	-	-	-	-
7	- Fuse 7 on fuse holder C -SC7-	-	-	-	-
8	- Fuse 8 on fuse holder C -SC8-	-	-	-	-
9	- Fuse 9 on fuse holder C -SC9-	10A	-	-Sonderfahrzeuge- ◆ 4-pin connector -T4aa- , Pin 1 ³⁾ ◆ 10-pin connector -T10I- , Pin 4 (Interface for special functions)	15a
10	- Fuse 10 on fuse holder C -SC10-	5A	-	Fuel pump relay -J17- Main relay -J271- Gas mode control unit -J659- Terminal 50 voltage supply relay -J682- Starter relay 1 -J906- Voltage stabiliser -J532- Data bus diagnostic interface -J533- Engine control unit -J623-	15a
11	- Fuse 11 on fuse holder C -SC11-	5A	-	Parking aid control unit -J446- Park assist steering control unit -J791-	15a
12	- Fuse 12 on fuse holder C -SC12-	5A	-	-Sonderfahrzeuge- ◆ Taximeter -G41- ◆ Mirror taximeter -G511-	15a
		10A ³⁾	-	-Sonderfahrzeuge- ³⁾ ◆ 2-pin connector -T2ab- , Pin 1 ◆ 2-pin connector -T2ac- , Pin 1 ◆ 28-pin connector -T28b- , Pin 13	15a

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
		20A ⁴⁾	-	-Sonderfahrzeuge- ⁴⁾ ◆ 8-pin connector -T8k- , Pin 8 ◆ 28-pin connector -T28a- , Pin 20 ◆ 28-pin connector -T28b- , Pin 20	15a
13	- Fuse 13 on fuse holder C -SC13-	7.5 A	-	Brake light switch -F- ³⁾ Headlight range control adjuster -E102- TCS and ESP button -E256- Tyre pressure monitor display button -E492- Start/Stop operation button -E693- ABS control unit -J104- Trailer detector control unit -J345- All-wheel drive control unit -J492- Power steering control unit -J500- Selector lever sensors control unit -J587- Mechatronic unit for dual clutch gearbox -J743- Left headlight range control motor -V48- Right headlight range control motor -V49- Control unit for cornering light and headlight range control -J745-	15a
14	- Fuse 14 on fuse holder C -SC14-	10A	-	Reversing light switch -F4- Air mass meter -G70- Auxiliary heater operation relay -J485- Control unit in dash panel insert -J285- Heater element for crankcase breather -N79- Activated charcoal filter solenoid valve 1 -N80- Diagnostic connection -U31- 16-pin connector -T16- , Pin 1	15a
15	- Fuse 15 on fuse holder C -SC15-	5A	-	Airbag control unit -J234- Front passenger side airbag deactivated warning lamp -K145-	15a
16	- Fuse 16 on fuse holder C -SC16-	5A	-	Light switch -E1- Heater/heat output switch -E16- High-pressure sender -G65- Air quality sensor -G238- Oil level and oil temperature sender -G266- Automatic anti-dazzle interior mirror -Y7-	15a
17	- Fuse 17 on fuse holder C -SC17-	-	-	-	-
18	- Fuse 18 on fuse holder C -SC18-	10A	-	-Sonderfahrzeuge- ◆ Taxi alarm remote control control unit -J601-	30
		10A	-	-Sonderfahrzeuge- ◆ 10-pin connector -T10- , Pin 6 (Interface for special functions)	BLL

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
19	- Fuse 19 on fuse holder C -SC19-	10A	-	-Sonderfahrzeuge- ◆ Taximeter -G41- ◆ Mirror taximeter -G511- ◆ Taxi alarm remote control control unit -J601- ◆ Two-way radio -R8- ◆ Printer -R98-	30
		10A	-	-Sonderfahrzeuge- ◆ 10-pin connector -T10I- , Pin 7 (Interface for special functions)	BLR
20	- Fuse 20 on fuse holder C -SC20-	20A	-	Cigarette lighter -U1- ⁷⁾	30
21	- Fuse 21 on fuse holder C -SC21-	10A	-	Light switch -E1- Heater/heat output switch -E16- Rain and light sensor -G397- Heated rear window relay -J9- Climatronic control unit -J255- Air conditioning system control unit -J301- Horn relay -J413- Remote control receiver for auxiliary coolant heater -R149- Selector lever sensors control unit -J587- Diagnostic connection -U31- 16-pin connector -T16- , Pin 16 Switch for interior lighting -E599- (Camper) Rear interior light -W43- (Camper)	30
22	- Fuse 22 on fuse holder C -SC22-	10A	-	Onboard supply control unit -J519- (T52b/42) ²⁾	30
23	- Fuse 23 on fuse holder C -SC23-	5A	-	-Sonderfahrzeuge- ◆ Interior light switch (taxi) -E115- ◆ Taxi sign switch -E138- ◆ 10-pin connector -T10I- , Pin 1 (Interface for special functions)	30
		10A	-	-Sonderfahrzeuge- ◆ 3-pin connector -T3ak- , Pin 1 ³⁾ ◆ Flashing lights relay -J630- ⁴⁾	30
24	- Fuse 24 on fuse holder C -SC24-	5A	-	Interior monitoring sensor -G273- Vehicle inclination sender -G384- Anti-theft alarm sensor -G578- Alarm horn -H12- Onboard supply control unit -J519- (T52c/1)	30
25	- Fuse 25 on fuse holder C -SC25-	10A	-	Output module for left headlight -J667-	15a

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
26	- Fuse 26 on fuse holder C -SC26-	10A	-	Output module for right headlight -J668-	15a
27	- Fuse 27 on fuse holder C -SC27-	-	-	-	15a
28	- Fuse 28 on fuse holder C -SC28-	20A	-	12-V socket 3 -U19- , in storage compart.	75
29	- Fuse 29 on fuse holder C -SC29-	15A	-	Rear window wiper motor -V12-	75
30	- Fuse 30 on fuse holder C -SC30-	-	-	-	75
31	- Fuse 31 on fuse holder C -SC31-	5A	-	Heater/heat output switch -E16- Left washer jet heater element -Z20- Right washer jet heater element -Z21-	75
32	- Fuse 32 on fuse holder C -SC32-	-	-	-	-
33	- Fuse 33 on fuse holder C -SC33-	40A	-	Air conditioning system control unit -J301- Heater/heat output switch -E16-	75
34	- Fuse 34 on fuse holder C -SC34-	-	-	-	-
35	- Fuse 35 on fuse holder C -SC35-	10A	-	-Sonderfahrzeuge- ³⁾ ◆ Fluorescent light in rear of high roof -W41- ◆ Fluorescent light in centre of high roof -W42-	30
36	- Fuse 36 on fuse holder C -SC36-	-	-	-	-
37	- Fuse 37 on fuse holder C -SC37-	-	-	-	-
38	- Fuse 38 on fuse holder C -SC38-	-	-	-	-
39	- Fuse 39 on fuse holder C -SC39-	20A	-	-Sonderfahrzeuge- ◆ 10-pin connector -T10ai- , Pin 1 ³⁾	30
		30A	-	-Sonderfahrzeuge- ◆ 4-pin connector -T4ad- , Pin 1 ⁴⁾	30
40	- Fuse 40 on fuse holder C -SC40-	20A	-	Trailer detector control unit -J345-	30
41	- Fuse 41 on fuse holder C -SC41-	20A	-	Trailer detector control unit -J345-	30
42	- Fuse 42 on fuse holder C -SC42-	20A	-	Trailer detector control unit -J345-	30
43	- Fuse 43 on fuse holder C -SC43-	15A	-	Fuel pump relay -J17- Electric fuel pump 2 relay -J49- ◆ Supplementary fuel pump -V393-	30
44	- Fuse 44 on fuse holder C -SC44-	40A	-	Fresh air blower control unit -J126- ◆ Fresh air blower -V2-	30
45	- Fuse 45 on fuse holder C -SC45-	20A	-	Headlight washer system relay -J39- ◆ Headlight washer system pump -V11-	30

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
46	- Fuse 46 on fuse holder C -SC46-	10A	-	Onboard supply control unit -J519- (T52b/42) ¹⁾ ♦ Front interior light -W1- ♦ Luggage compartment light -W3- ♦ Glove compartment light -W6- ♦ Rear interior light -W43-	30
		30A	-	Driver door control unit -J386- ²⁾	30
47	- Fuse 47 on fuse holder C -SC47-	30A	-	Cigarette lighter -U1- ⁶⁾ X-contact relief relay -J59- ^{7) 8)} ♦ Fuse holder C -SC- (-SC28- up to -SC33-) ^{7) 8)}	30
48	- Fuse 48 on fuse holder C -SC48-	30A	-	Heated front seats control unit -J774-	30
49	- Fuse 49 on fuse holder C -SC49-	30A	-	Driver door control unit -J386- ¹⁾ Front passenger door control unit -J387-	30
50	- Fuse 50 on fuse holder C -SC50-	20A	-	Onboard supply control unit -J519- (T52b/1) ♦ Rear window wiper motor -V12- ♦ Windscreen and rear window washer pump -V59- ♦ Washer pump -V5-	30
51	- Fuse 51 on fuse holder C -SC51-	15A	-	Trailer voltage supply relay -J941- ♦ Trailer socket -U10- (T13/10)	30
		30A	-	-Sonderfahrzeuge- ♦ 10-pin connector -T10ai- , Pin 4 ♦ 10-pin connector -T10ai- , Pin 5	30
52	- Fuse 52 on fuse holder C -SC52-	25A	-	Heated rear window relay -J9- ♦ heated rear window -Z1- ♦ Heated rear window in left wing door -Z26- ♦ Heated rear window in right wing door -Z27- Fresh air blower relay -J13- ♦ Fresh air blower series resistor with overheating fuse -N24- ♦ Fresh air blower -V2-	30
53	- Fuse 53 on fuse holder C -SC53-	15A ⁶⁾ 20A ⁷⁾	-	12 V socket -U5- , in the rear centre console 12 V socket 2 -U18- , In rear left side panel	30

No.	Current Flow Diagram designation	Nominal value		Function/component	Terminal
54	- Fuse 54 on fuse holder C -SC54-	15A	-	-Sonderfahrzeuge- ⁴⁾ ◆ Switch-over relay ¹⁾ for roof ventilator -J180-	30
55	- Fuse 55 on fuse holder C -SC55-	15A	-	-Sonderfahrzeuge- ⁴⁾ ◆ 8-pin connector -T8m- , Pin 4 ◆ 8-pin connector -T8n- , Pin 4	30
56	- Fuse 56 on fuse holder C -SC56-	-	-	-	-
57	- Fuse 57 on fuse holder C -SC57-	5A	-	Control unit in dash panel insert -J285- ⁵⁾ Steering column electronics control unit -J527- ⁵⁾	30
58	- Fuse 58 on fuse holder C -SC58-	5A	-	Mobile telephone operating electronics control unit -J412- ⁵⁾	30
59	- Fuse 59 on fuse holder C -SC59-	5A	-	-Sonderfahrzeuge- ◆ Radio switch -E72- ◆ Ignition bypass button -E489- ◆ Button for daytime running light switch-off -E652- ◆ Accident data memory -J754-	30
60	- Fuse 60 on fuse holder C -SC60-	30A	-	-Sonderfahrzeuge- ◆ 3-pin connector -T3al- , Pin 1	30

- ◆ ¹⁾ before April 2011
- ◆ ²⁾ after May 2011
- ◆ ³⁾ before October 2011
- ◆ ⁴⁾ after November 2011
- ◆ ⁵⁾ for vehicles with start-stop system only
- ◆ ⁶⁾ before October 2012
- ◆ ⁷⁾ after November 2012
- ◆ ⁸⁾ for vehicles with Climatronic only

1 Relay assignment

1.1 Overview of relay carriers

1 - Relay on electronics box ⇒ [page 2](#)

2 - Additional relay carrier under E-box ⇒ [page 3](#)

3 - Relay carrier on left under dash panel ⇒ [page 4](#)

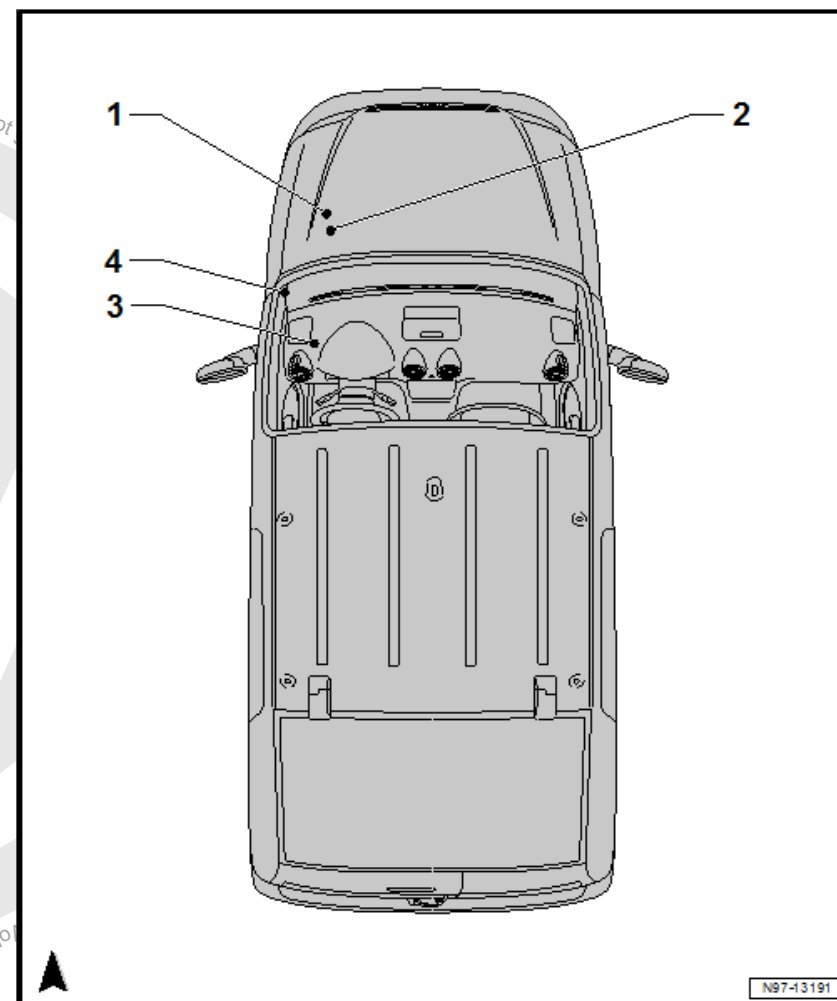
◆ before October 2011 ⇒ [page 4](#)

◆ after November 2011 ⇒ [page 5](#)

◆ after May 2012 ⇒ [page 6](#)

4 - Relay in footwell ⇒ [page 7](#)

◆ Special vehicles ⇒ [page 7](#)



1.2 Relay on electronics box

A1 - Main relay -J271- (100/ 458)

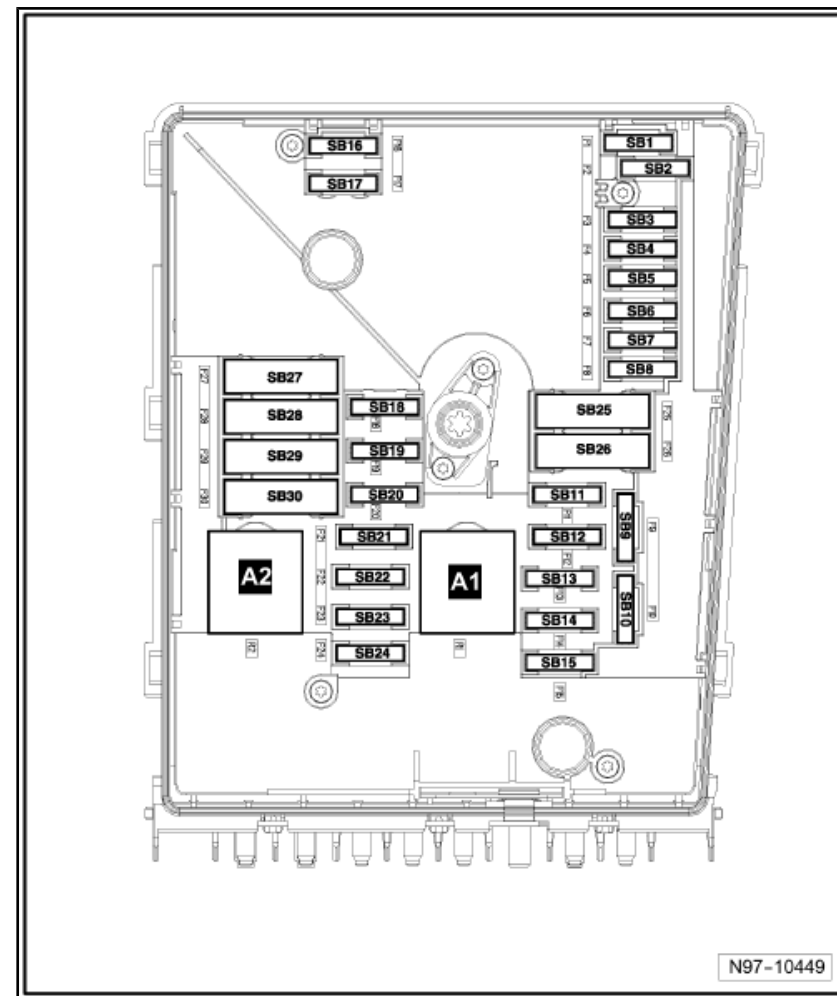
- Engine component current supply relay -J757- (100/ 458)

A2 - Secondary air pump relay -J299- (100)

- Additional coolant pump relay -J496- (100)

- Relay for gas shut-off valves -J908- (100)

- Jumper -TV23-



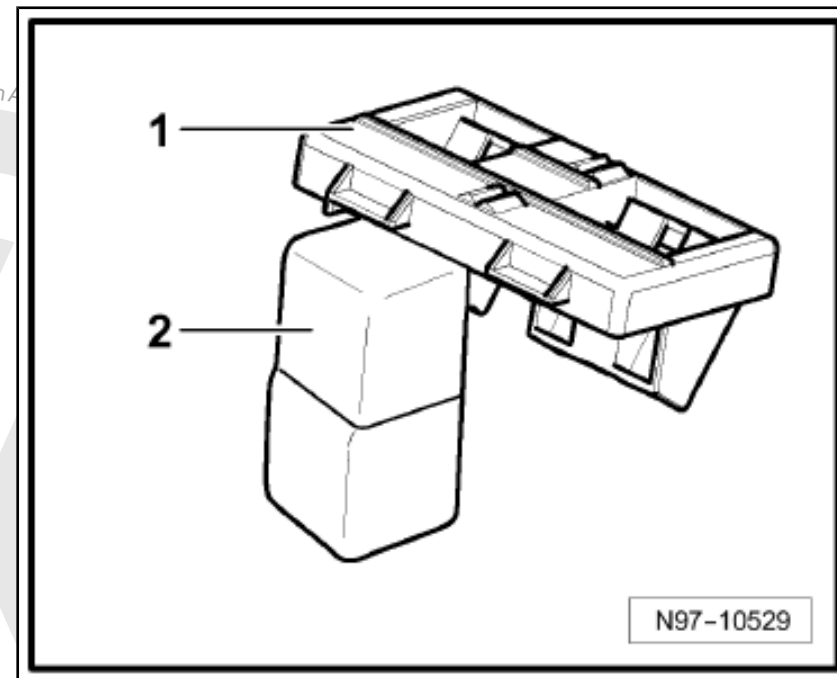
[Back to overview](#) ⇒ [page 1](#)

1.3 Relay position assignment of additional relay carrier under electronics box, in engine compart., left

1.3.1 Automatic glow period control unit -J179-

1 - Auxiliary relay carrier, under E-box in engine compart., left

2 - Automatic glow period control unit -J179-



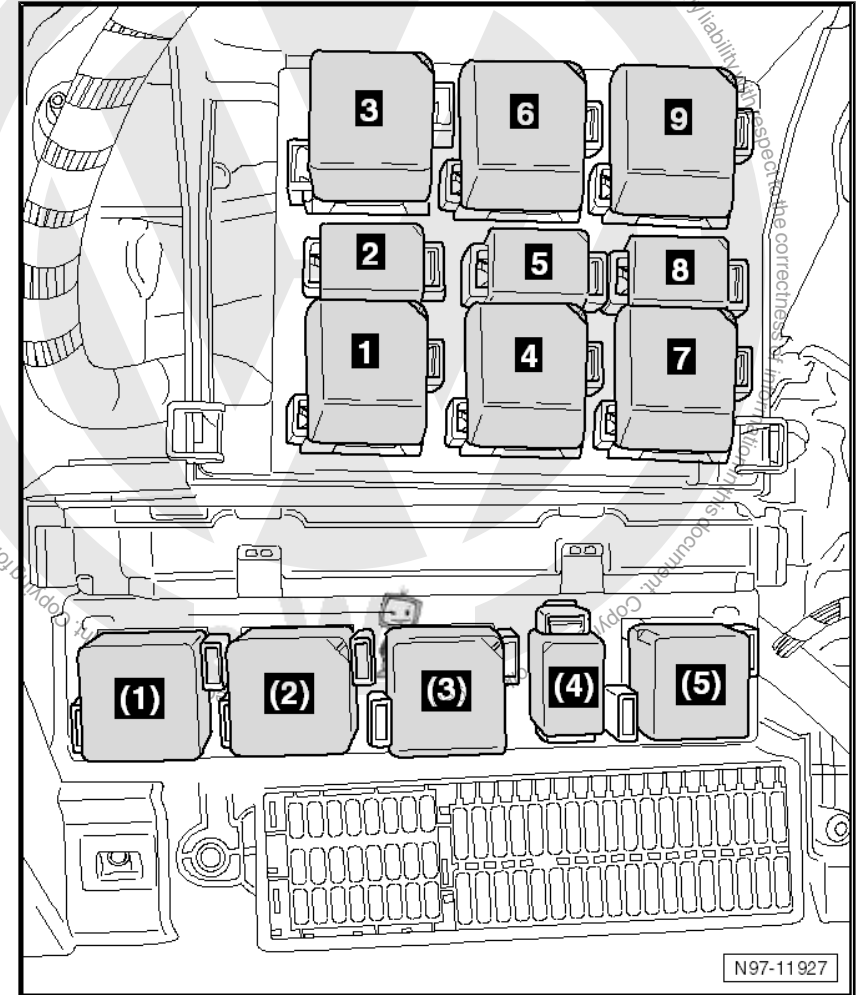
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1.4 Relay carrier on left under dash panel

1.4.1 up to October 2011

- 1.1 - Horn relay -J413- (646)
- 1.2 - Headlight washer system relay -J39- (646)
- 2 - Fuel pump relay -J17- (646)
- 3 - Terminal 50 voltage supply relay -J682- (645)
- 4 - Auxiliary heater operation relay -J485- (645)
- 5 - Fuel supply relay -J643- (646)
- 6 - -
- 7 - High heat output relay -J360- (644)
- 8 - Electric fuel pump 2 relay -J49- (646)
- Fuel pump switch-off relay -J333- (646)
- 9 - Low heat output relay -J359- (645)

- (1) - X-contact relief relay -J59- (644)
- (2) - Terminal 15 voltage supply relay -J329- (645)
- (3) - Heated rear window relay -J9- (645)
- (4) - Fresh air blower relay -J13- (646)
- (5) - Starter relay 2 -J907- (507)

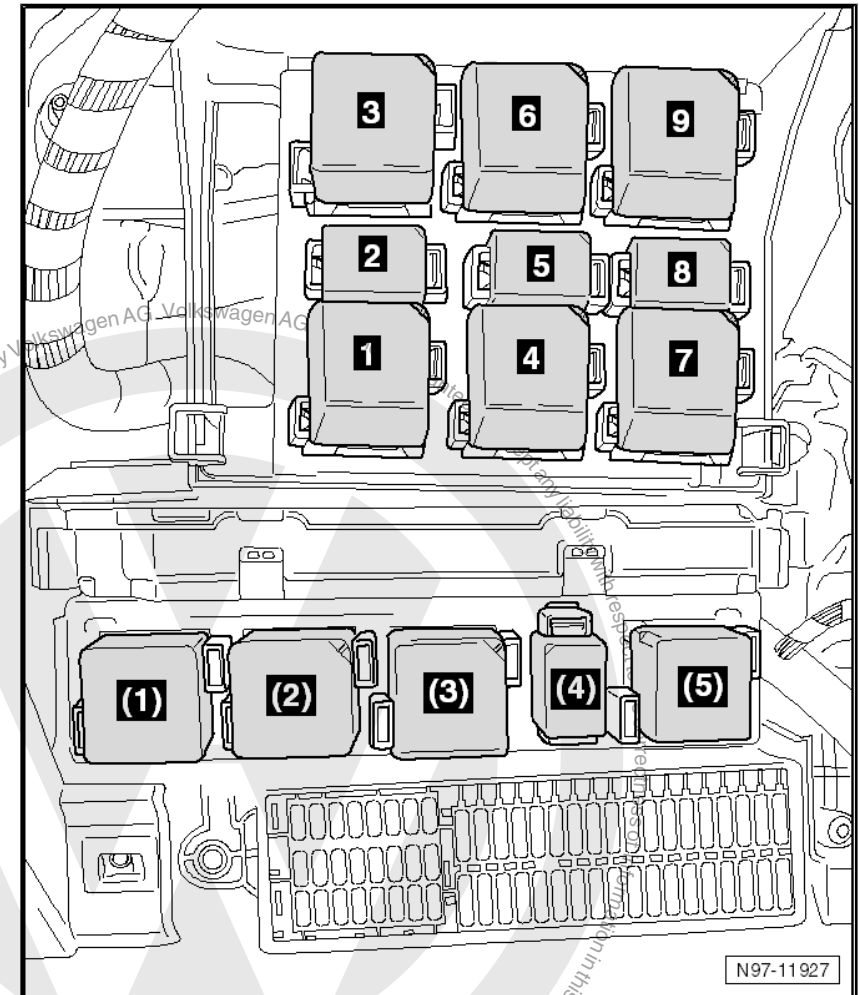


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1.4.2 From November 2011

- 1.1 - Horn relay -J413- (646)
- 1.2 - Headlight washer system relay -J39- (646)
- 2 - Fuel pump relay -J17- (646)
- 3 - Terminal 50 voltage supply relay -J682- (645)
- Starter relay 1 -J906- (645)
- 4 - X-contact relief relay -J59- (644)
- 5 - Fuel supply relay -J643- (646)
- 6 - Starter relay 2 -J907- (507)
- 7 - Terminal 15 voltage supply relay -J329- (645)
- 8 - Electric fuel pump 2 relay -J49- (646)
- Fuel pump switch-off relay -J333- (646)
- 9 - Heated rear window relay -J9- (645)

- (1) - Auxiliary heater operation relay -J485- (645)
- (2) - High heat output relay -J360- (644)
- (3) - Low heat output relay -J359- (645)
- (4) - Fresh air blower relay -J13- (646)
- (5) - Flashing lights relay -J630- (645)

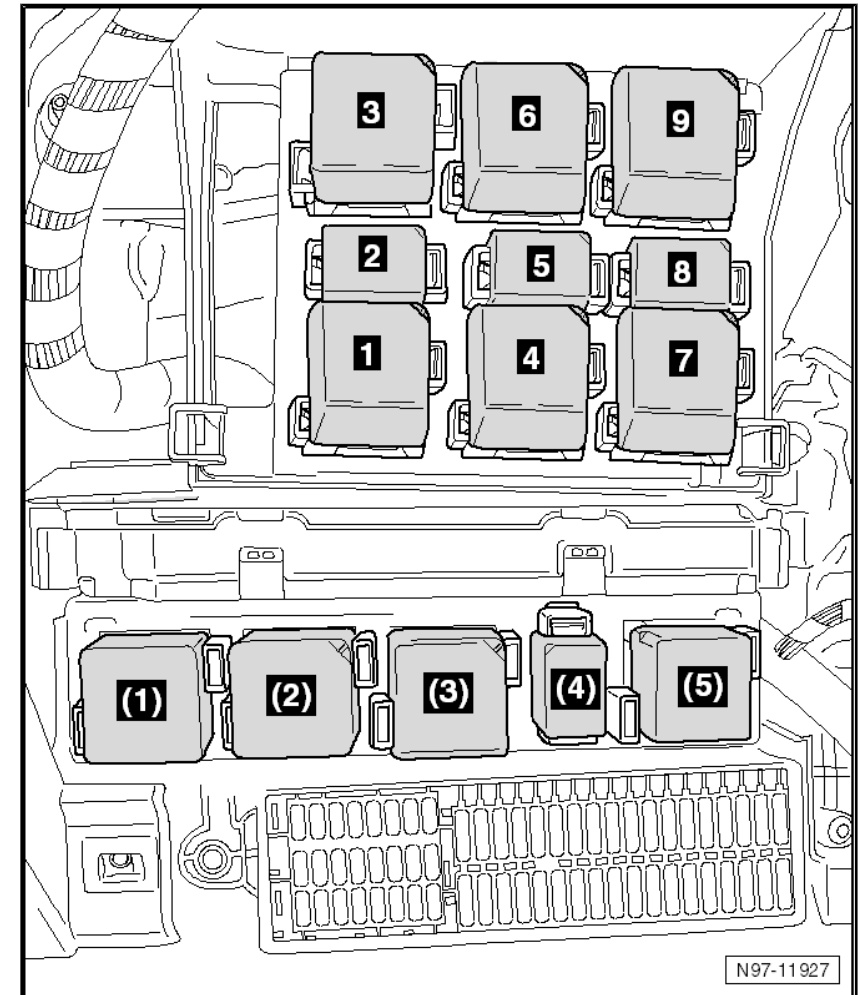


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1.4.3 From May 2012

- 1.1 - Horn relay -J413- (646)
- 1.2 - Headlight washer system relay -J39- (646)
- 2 - Fuel pump relay -J17- (646)
- 3 - Terminal 50 voltage supply relay -J682- (645)
- Starter relay 1 -J906- (645)
- 4 - Heated rear window relay -J9- (645)
- 5 - Fuel supply relay -J643- (646)
- 6 - Starter relay 2 -J907- (507)
- 7 - Terminal 15 voltage supply relay -J329- (645)
- 8 - Electric fuel pump 2 relay -J49- (646)
- Fuel pump switch-off relay -J333- (646)
- 9 - X-contact relief relay -J59- (644) ¹⁾
- X-contact relief relay -J59- (645) ²⁾

- (1) - Auxiliary heater operation relay -J485- (645)
- (2) - High heat output relay -J360- (644)
- (3) - Low heat output relay -J359- (645)
- (4) - Fresh air blower relay -J13- (646)
- Trailer voltage supply relay -J941- (646) ³⁾
- (5) - Flashing lights relay -J630- (645)
- Trailer voltage supply relay -J941- (646) ⁴⁾





Note

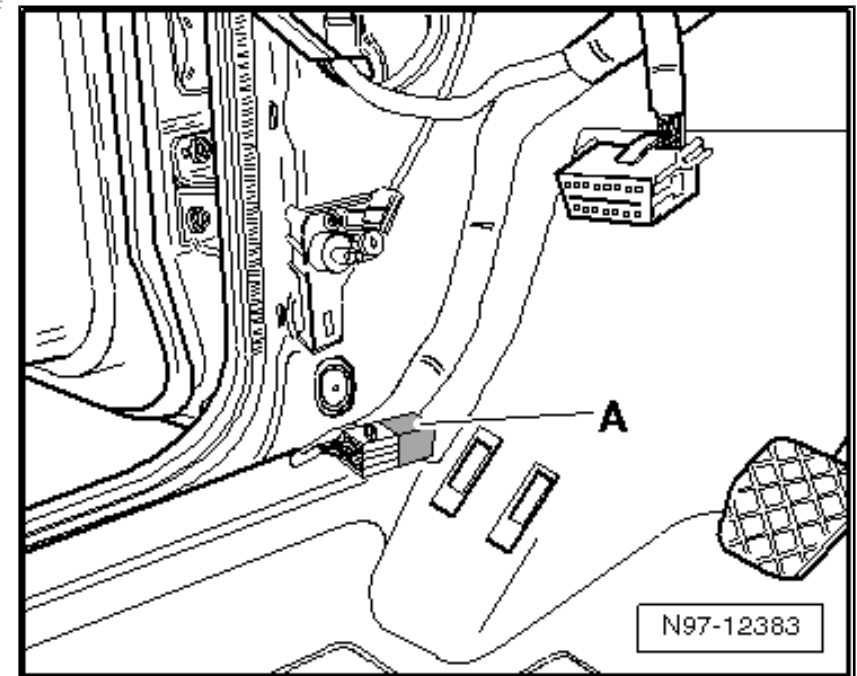
- ◆ ¹⁾ after November 2012 only for vehicles without Climatronic.
- ◆ ²⁾ after November 2012 only for vehicles with Climatronic.
- ◆ ³⁾ nly for vehicles with right-hand drive.
- ◆ ⁴⁾ nly for vehicles with left-hand drive.

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1.5 Relay in footwell

1.5.1 Special vehicles

- A - Taxi alarm remote control control unit -J601-
- Switch-over relay 1 for roof ventilator -J180- (645)





Note

The control unit for taxi alarm remote control -J601- / switch-over relay 1 for roof ventilator -J180- is connected to the wiring harness at bottom left in the footwell.

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1 Control units

1.1 Overview of all control units

1 - ABS control unit -J104-

- ☐ Fitting location ⇒ [page 8](#)
- ☐ Connector assignment ⇒ [page 8](#)

2 - Engine control unit -J623-

- ☐ Fitting location ⇒ [page 3](#)
- ☐ Connector assignment for 121-pin connector -T121- ⇒ [page 3](#)
- ☐ Connector assignment for 60-pin connector -T60- and 94-pin connector -T94- ⇒ [page 5](#)

3 - Front passenger door control unit -J387-

- ☐ Fitting location ⇒ [page 12](#)
- ☐ Connector assignment ⇒ [page 12](#)

4 - Control unit for cornering light and headlight range control -J745-

- ☐ Fitting location ⇒ [page 44](#)

5 - Mobile telephone operating electronics control unit -J412-

- ☐ Fitting location ⇒ [page 14](#)
- ☐ Connector assignment ⇒ [page 14](#)

6 - Control unit in dash panel insert -J285-

- ☐ Connector assignment ⇒ [page 39](#)

7 - Steering column electronics control unit -J527-

- ☐ Fitting location ⇒ [page 18](#)
- ☐ Connector assignment ⇒ [page 20](#)

8 - Data bus diagnostic interface -J533-

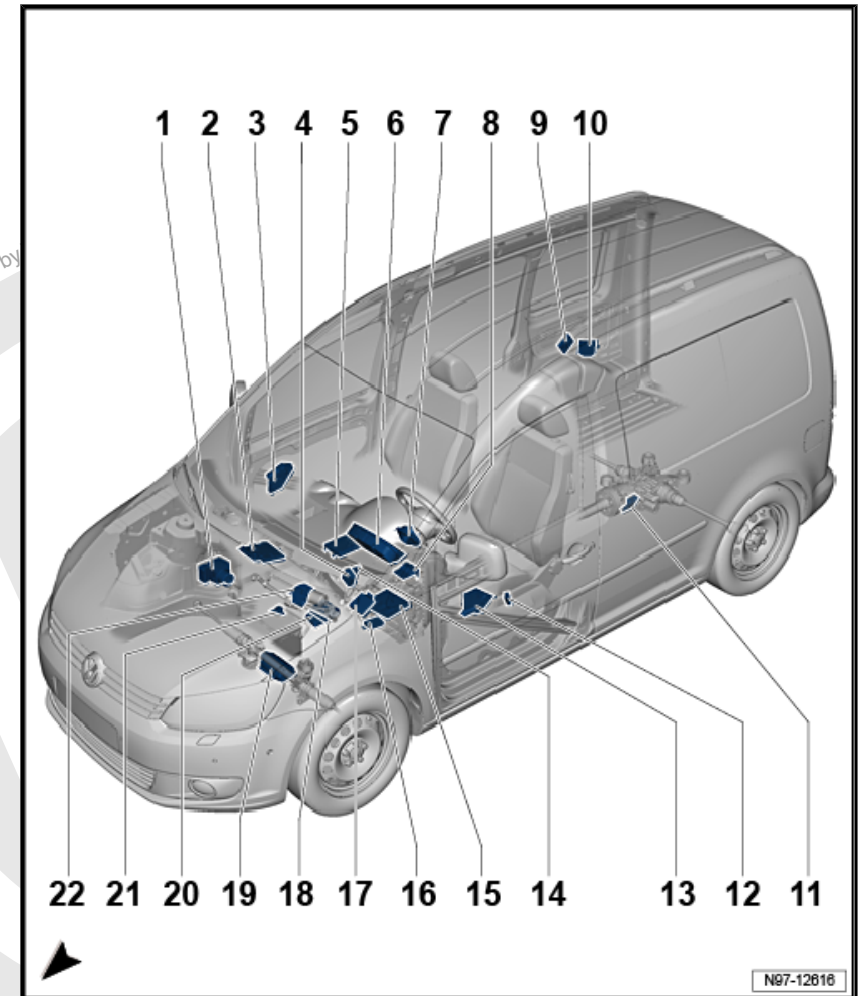
- ☐ Fitting location ⇒ [page 36](#)
- ☐ Connector assignment ⇒ [page 36](#)

9 - Trailer detector control unit -J345-

- ☐ Fitting location ⇒ [page 16](#)
- ☐ Connector assignment ⇒ [page 16](#)

10 - Parking aid control unit -J446- (2JB)

- ☐ Fitting location ⇒ [page 21](#)



11 - All-wheel drive control unit -J492-

- ☐ Fitting location ⇒ [page 21](#)

12 - Heated front seats control unit -J774-

- ☐ Fitting location ⇒ [page 18](#)

13 - Driver door control unit -J386-

- ☐ Fitting location ⇒ [page 22](#)
- ☐ Connector assignment ⇒ [page 22](#)

14 - Remote control receiver for auxiliary coolant heater -R149-

- ☐ Fitting location ⇒ [page 45](#)

15 - Onboard supply control unit -J519-

- ☐ Fitting location ⇒ [page 23](#)
- ☐ Connector assignment of 52-pin connector -T52a- black ⇒ [page 24](#)
- ☐ Connector assignment of 52-pin connector -T52b- white ⇒ [page 27](#)
- ☐ Connector assignment of 52-pin connector -T52c- brown ⇒ [page 30](#)

16 - Park assist steering control unit -J791- (7X5), Parking aid control unit -J446- (2JG, 2JX)

- ☐ Fitting location ⇒ [page 34](#)
- ☐ Connector assignment ⇒ [page 35](#)

17 - Voltage stabiliser -J532-

- ☐ Fitting location ⇒ [page 38](#)

18 - Special vehicle control unit -J608-

- ☐ Fitting location ⇒ [page 16](#)

19 - Power steering control unit -J500-

- ☐ Fitting location ⇒ [page 6](#)
- ☐ Connector assignment ⇒ [page 6](#)

20 - Airbag control unit -J234-

- ☐ Fitting location ⇒ [page 10](#)
- ☐ Connector assignment ⇒ [page 10](#)

21 - Battery monitoring control unit -J367-

- ☐ Fitting location ⇒ [page 43](#)

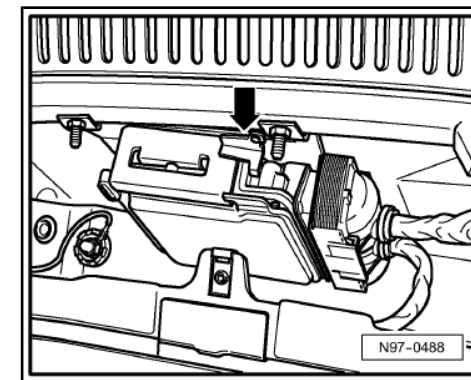
22 - Wiper motor control unit -J400-

- ☐ Fitting location ⇒ [page 42](#)

1.2 Engine control unit -J623-

1.2.1 Fitting location:

under plenum chamber cover, centre -arrow-



1.2.2 121-pin connector assignment:

A - Engine control unit -J623-

Connector:

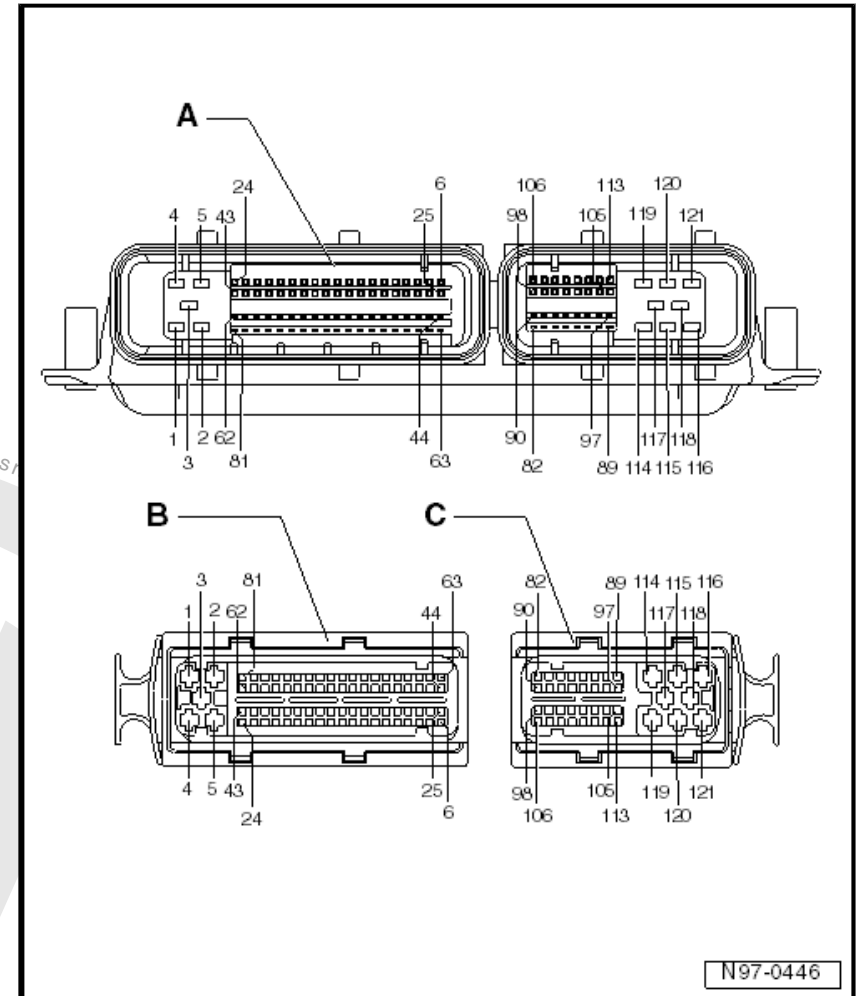
B - 81-pin connector -T81- (Pin 1 - Pin 81)

C - 40-pin connector -T40- (Pin 82 - Pin 121)



Note

The 40-pin connector -T40- and the 81-pin connector -T81- are represented in the wiring diagram as a 121-pin connector -T121-.



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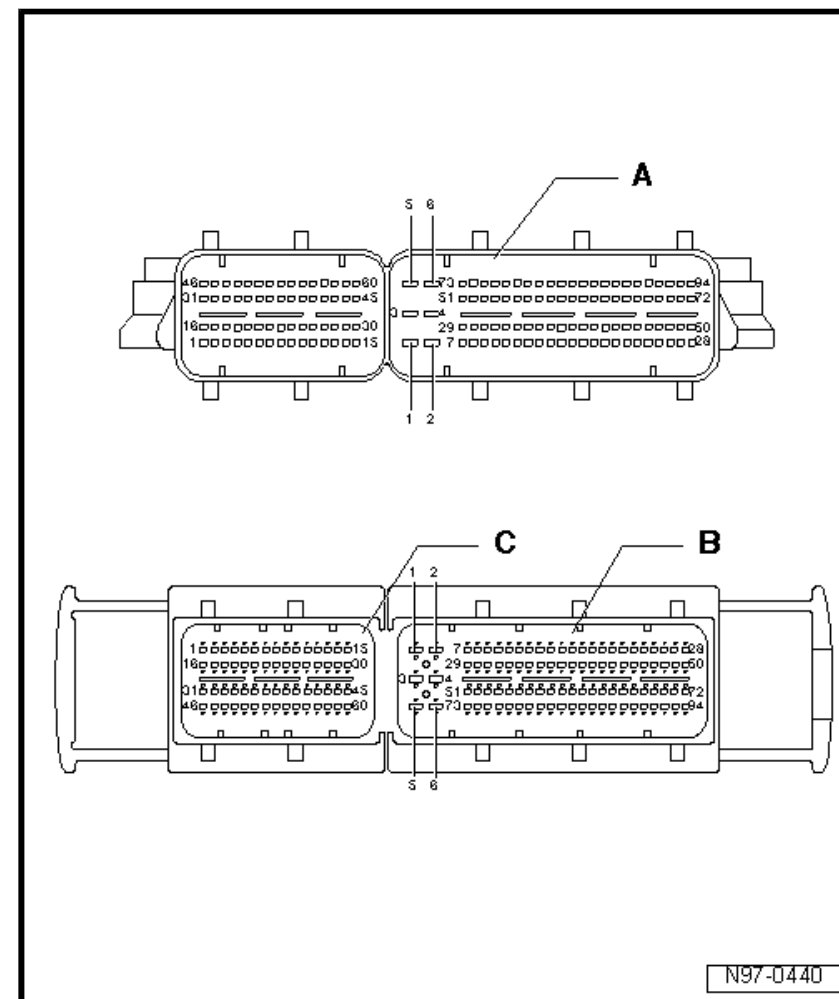
1.2.3 154-pin connector assignment:

A - Engine control unit -J623-

Connector:

B - 94-pin connector -T94-

C - 60-pin connector -T60-

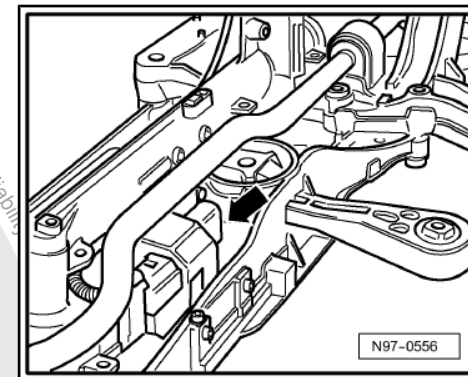


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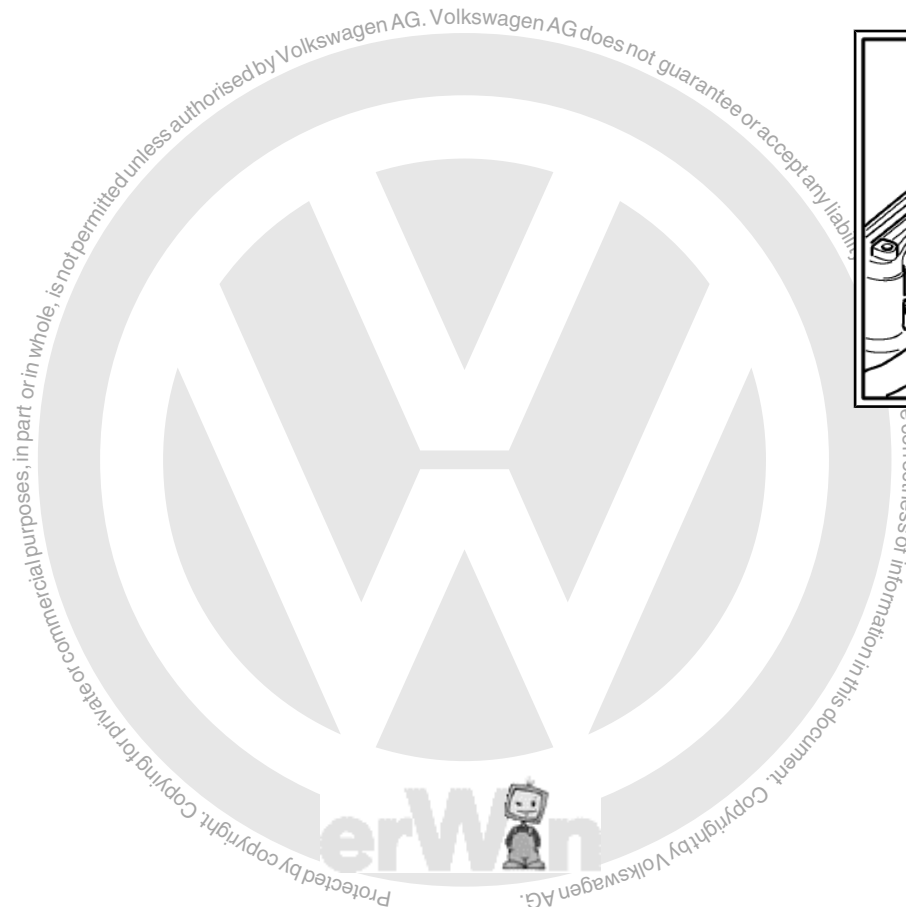
1.3 Power steering control unit -J500-

1.3.1 Fitting location:

On steering on centre of assembly carrier -arrow-



1.3.2 Connector assignment:



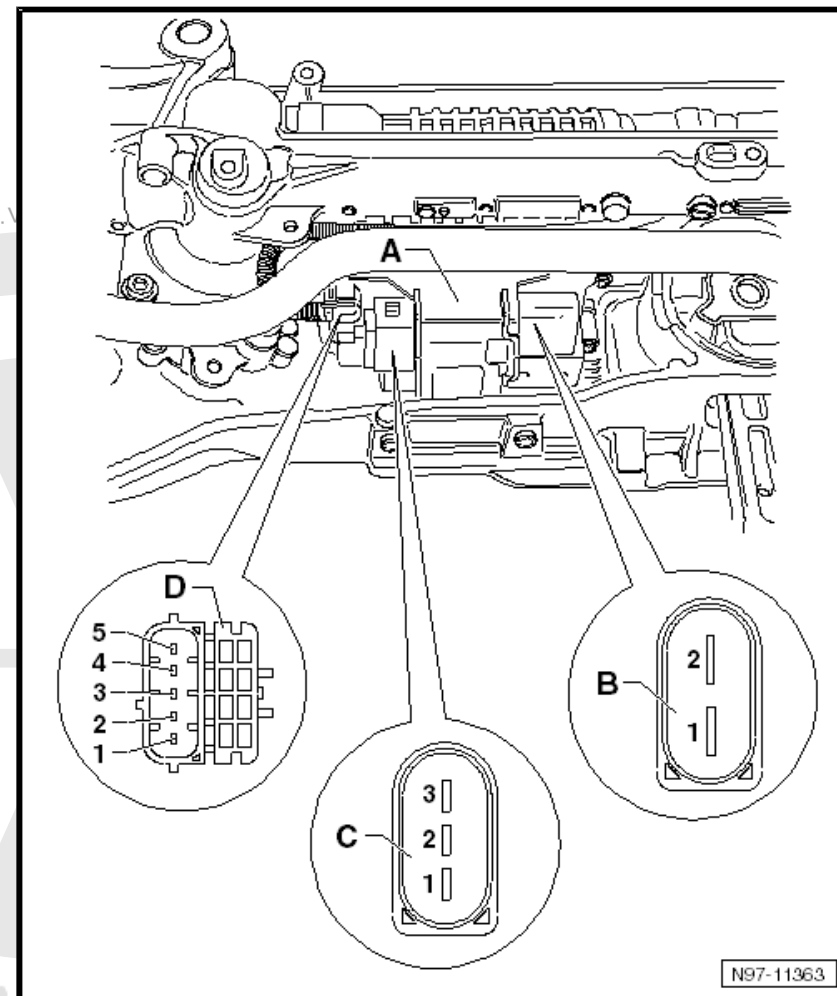
A - Power steering control unit -J500-

Connector:

B - 2-pin connector -T2b-

C - 3-pin connector -T3o-

D - 5-pin connector -T5s-

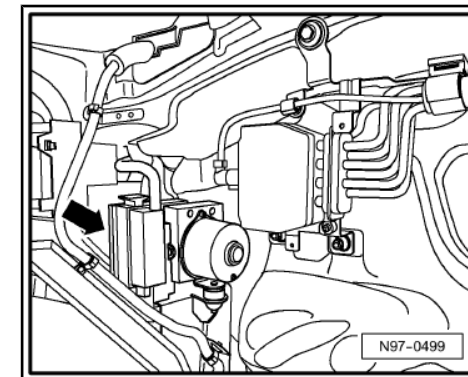


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1.4 ABS control unit -J104-

1.4.1 Fitting location:

On bulkhead, in engine compart., right -arrow-



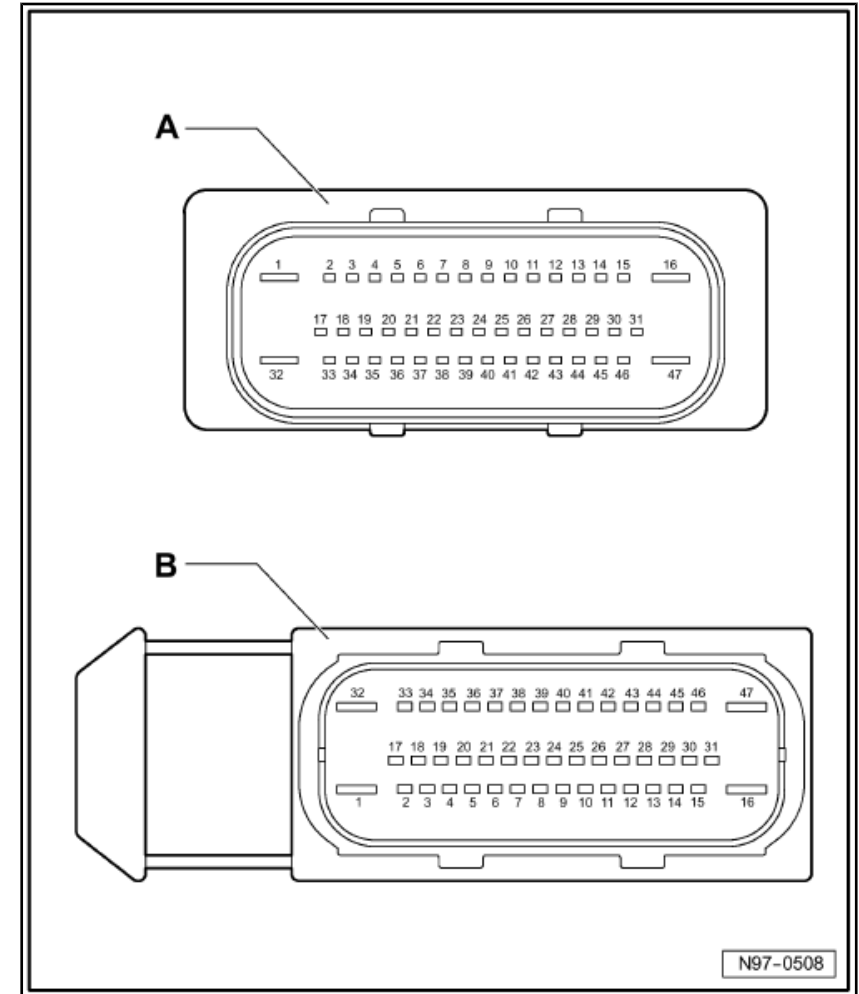
1.4.2 Connector assignment:

A - ABS control unit -J104-

☐ with ESP only

Connector:

B - 47-pin connector, on wiring harness (T47)

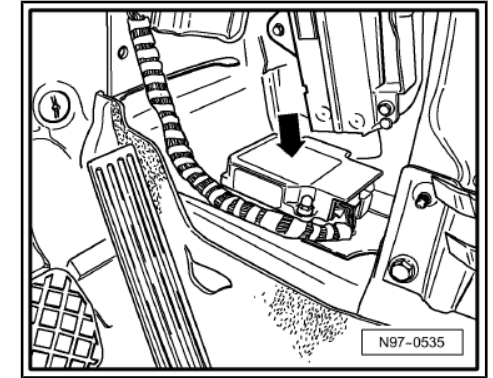


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1.5 Airbag control unit -J234-

1.5.1 Fitting location:

Under centre console -arrow-



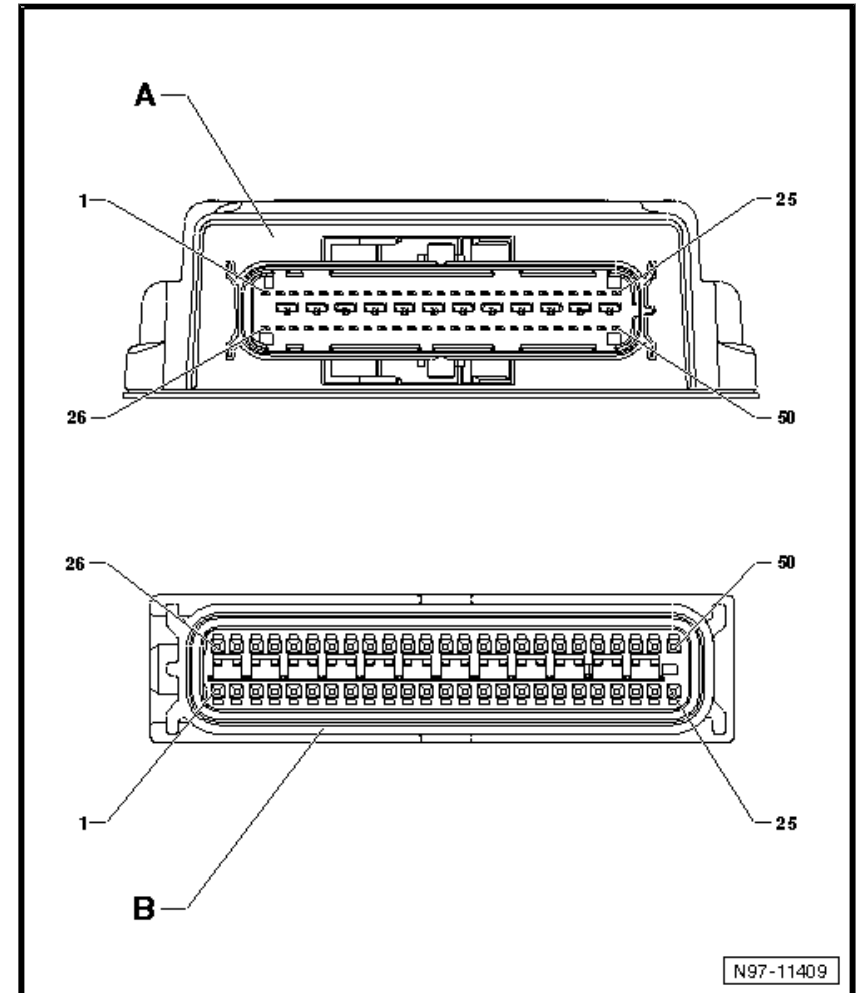
1.5.2 Connector assignment:



A - Airbag control unit -J234-

Connector:

B - 50-pin connector -T50-



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1.6 Front passenger door control unit -J387-

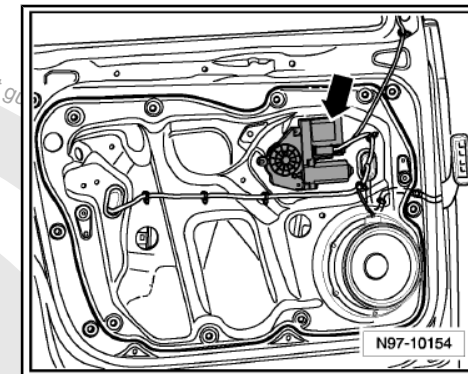
1.6.1 Fitting location:

On door inner part on front right -arrow-



Note

Illustration shows left side. The right side is similar.



1.6.2 Connector assignment:

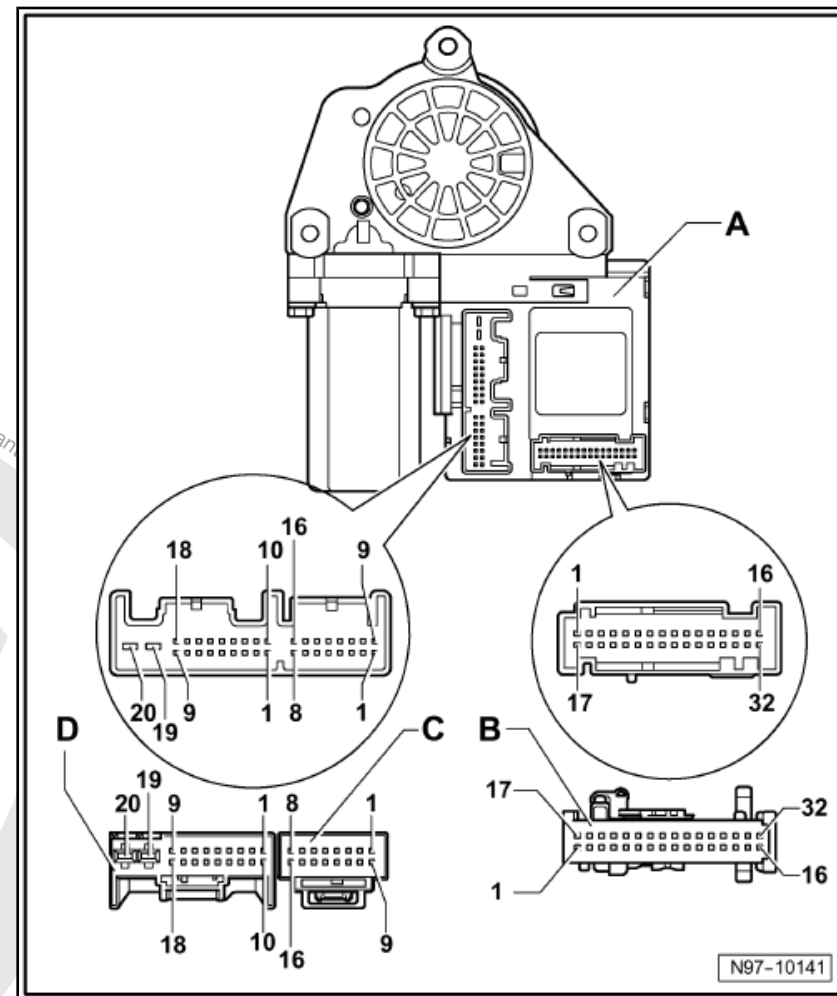
A - Front passenger door control unit -J387-

Connector:

B - 32-pin connector -T32a-

C - 16-pin connector -T16g-

D - 20-pin connector -T20b-



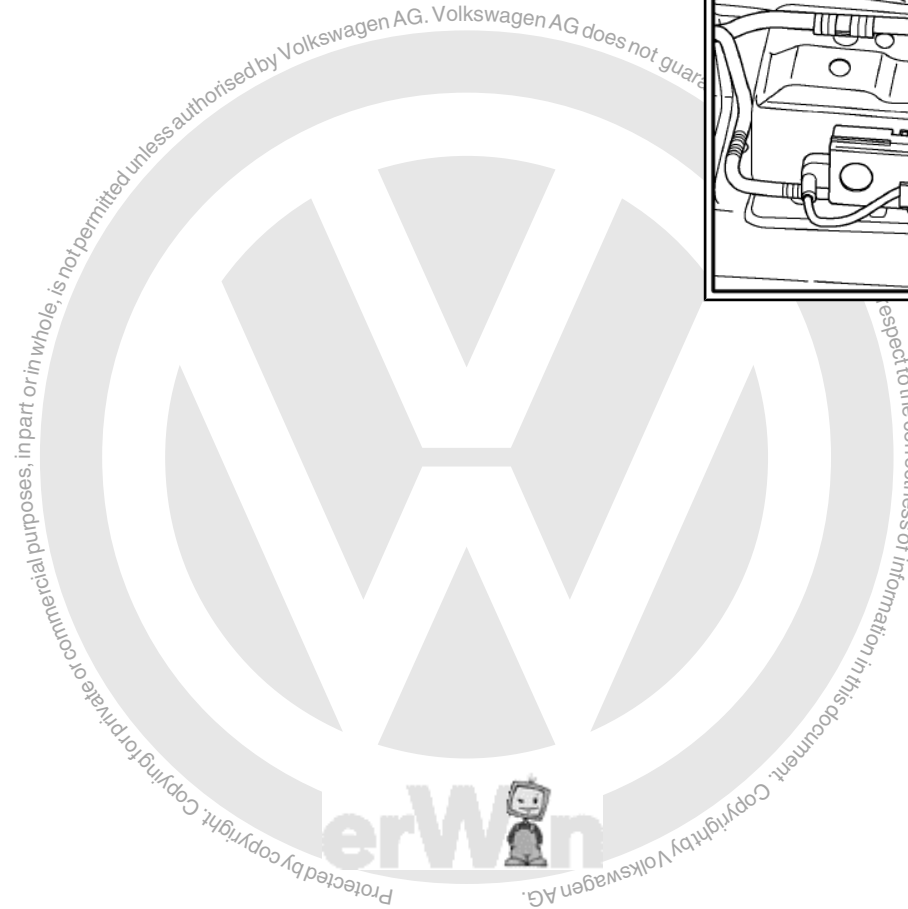
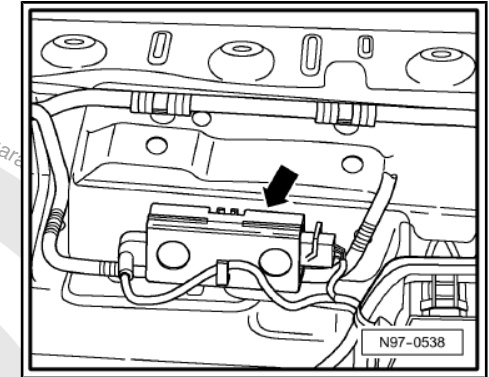
[Back to overview](#) ⇒ [page 1](#)

1.7 Mobile telephone operating electronics control unit -J412-

1.7.1 Fitting location:

Under seat on front right -arrow -

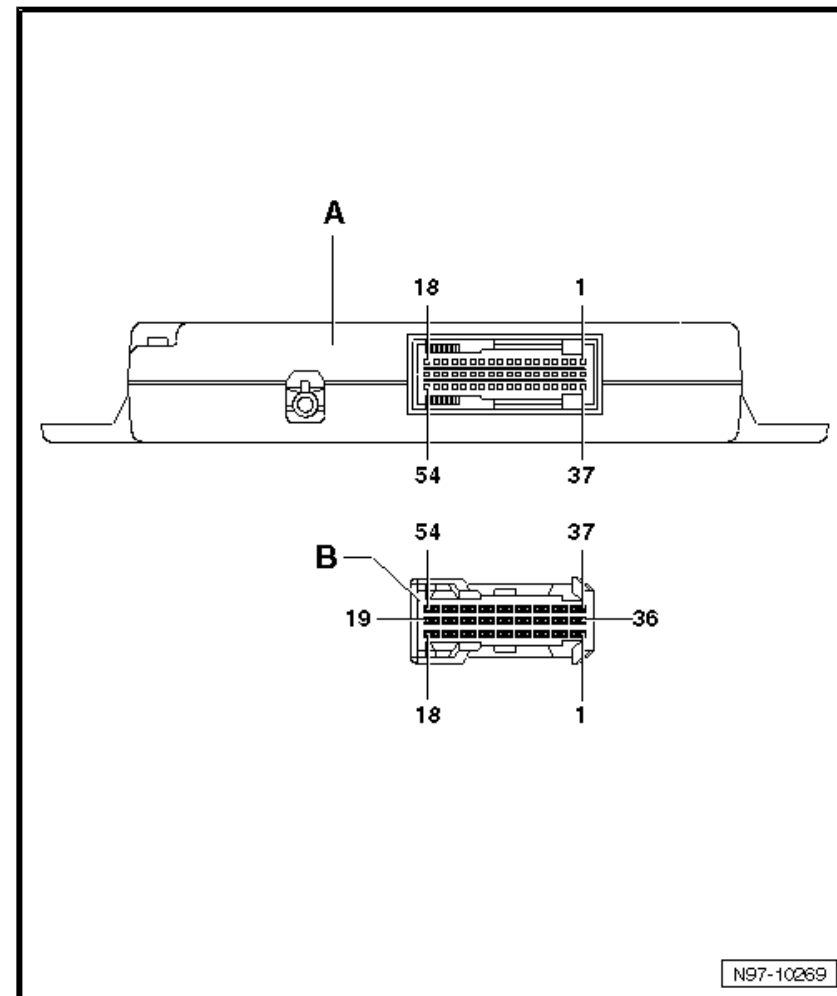
1.7.2 Connector assignment



A - Mobile telephone operating electronics control unit -J412-

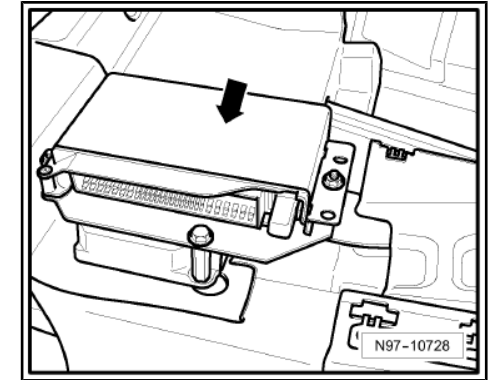
Connector:

B - 54-pin connector -T54-



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1.8 Special vehicle control unit -J608-

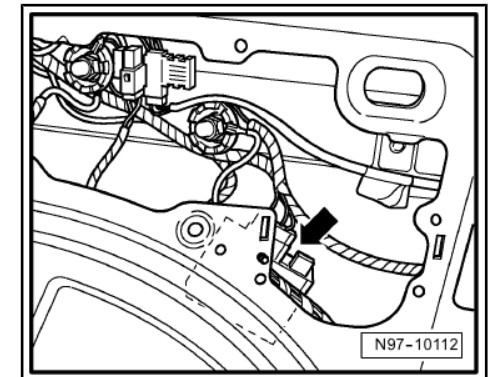


1.8.1 Fitting location:

Above the Airbag control unit -arrow-

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1.9 Trailer detector control unit -J345-



1.9.1 Fitting location:

In rear right side panel -arrow-

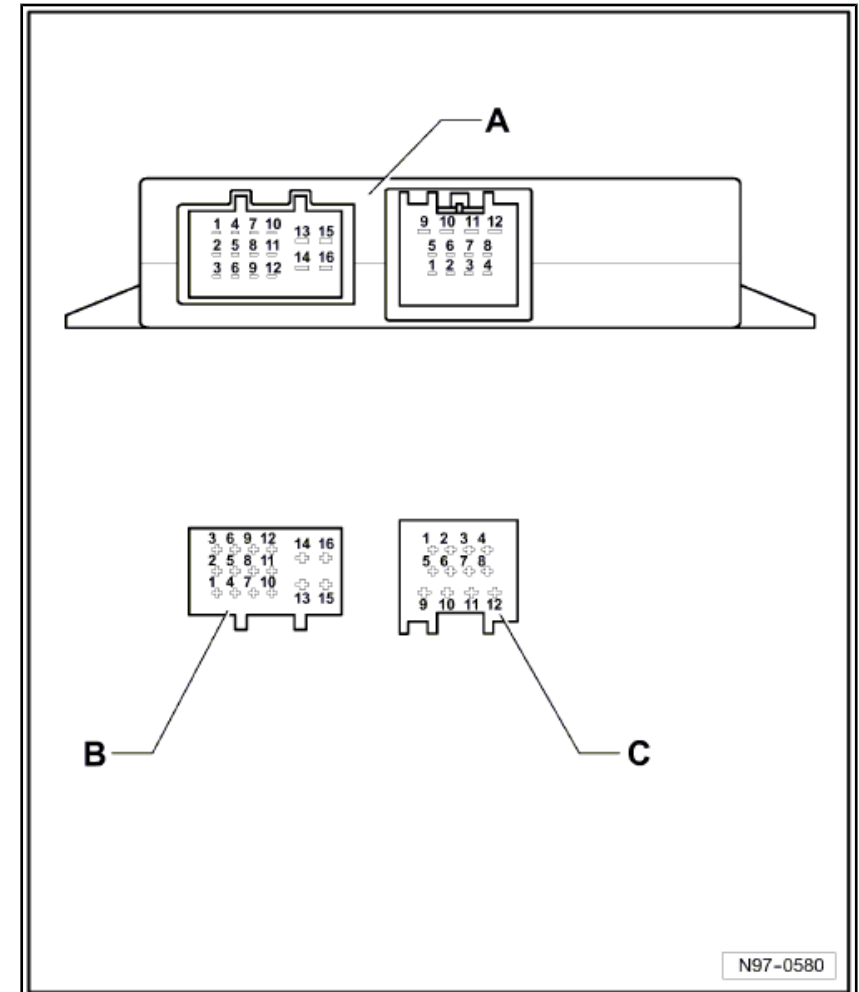
1.9.2 Connector assignment:

A - Trailer detector control unit -J345-

Connector:

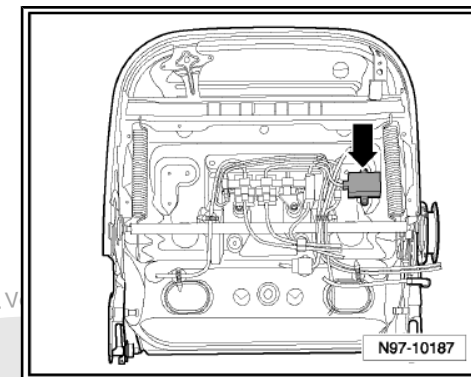
B - 16-pin connector -T16x-

C - 12-pin connector -T12m-



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1.10 Heated front seats control unit -J774-



1.10.1 Fitting location:

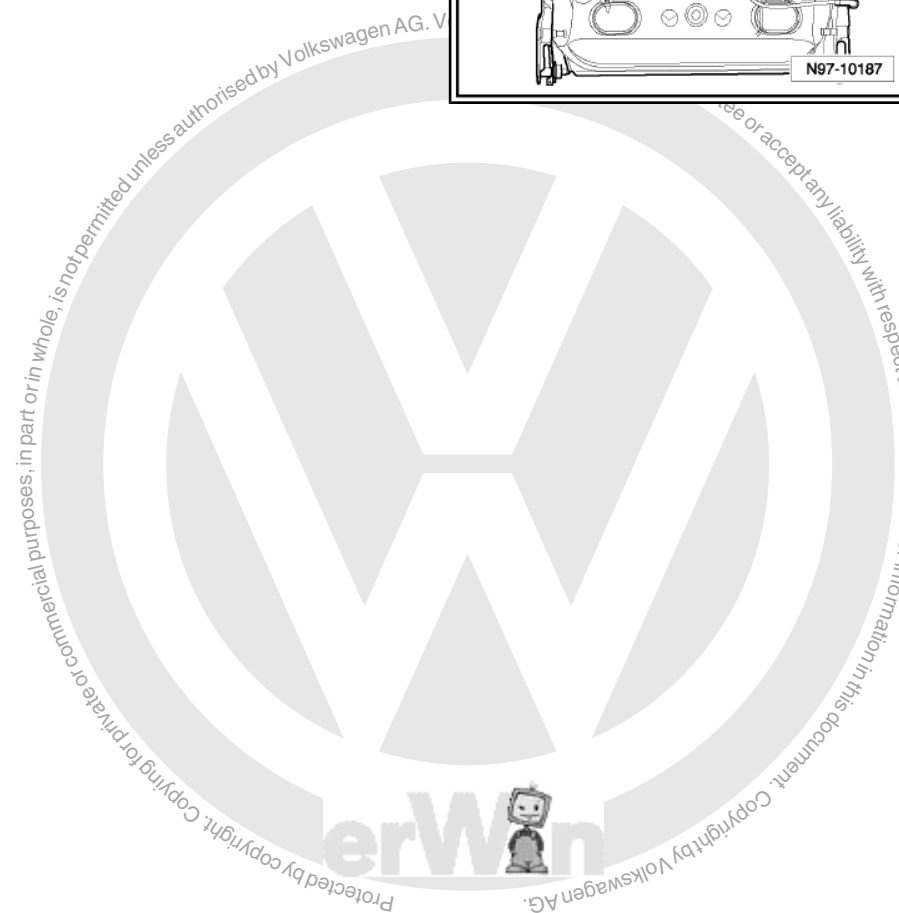
on front left of seat frame -arrow-

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1.11 Steering column electronics control unit -J527-

1.11.1 Fitting location:

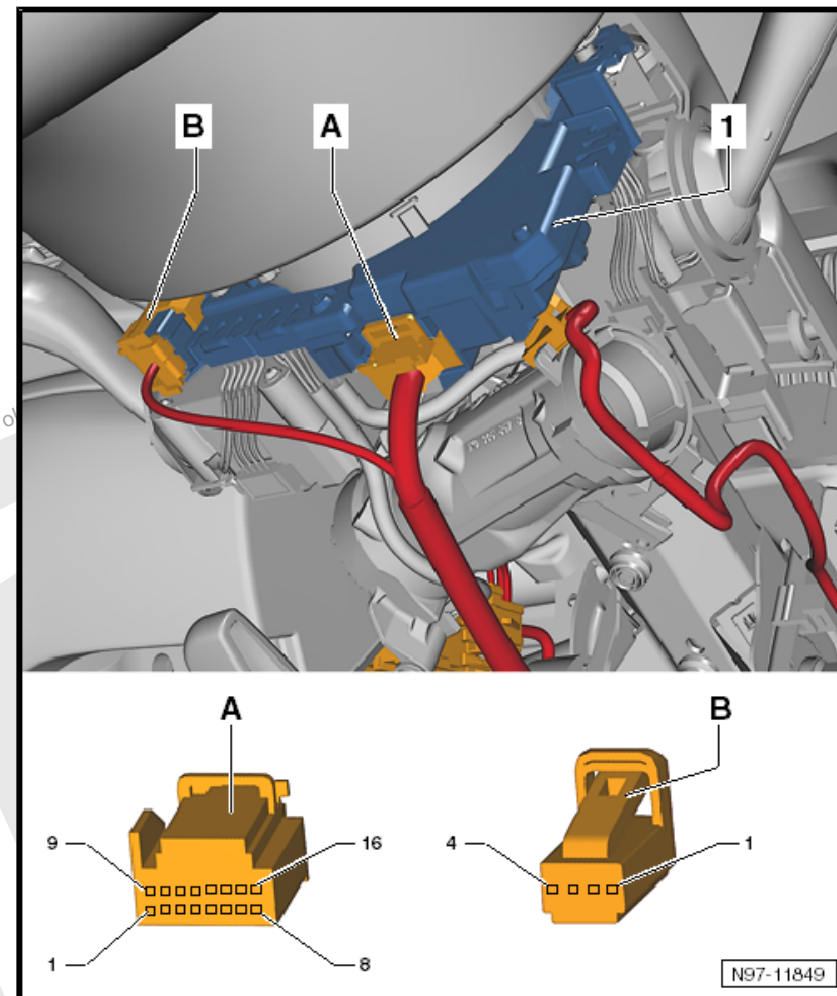
under steering column, near steering column switch -1-



Connector assignment [⇒ page 20](#)

1 - Steering column electronics control unit -J527-

- under steering column, near steering column switch



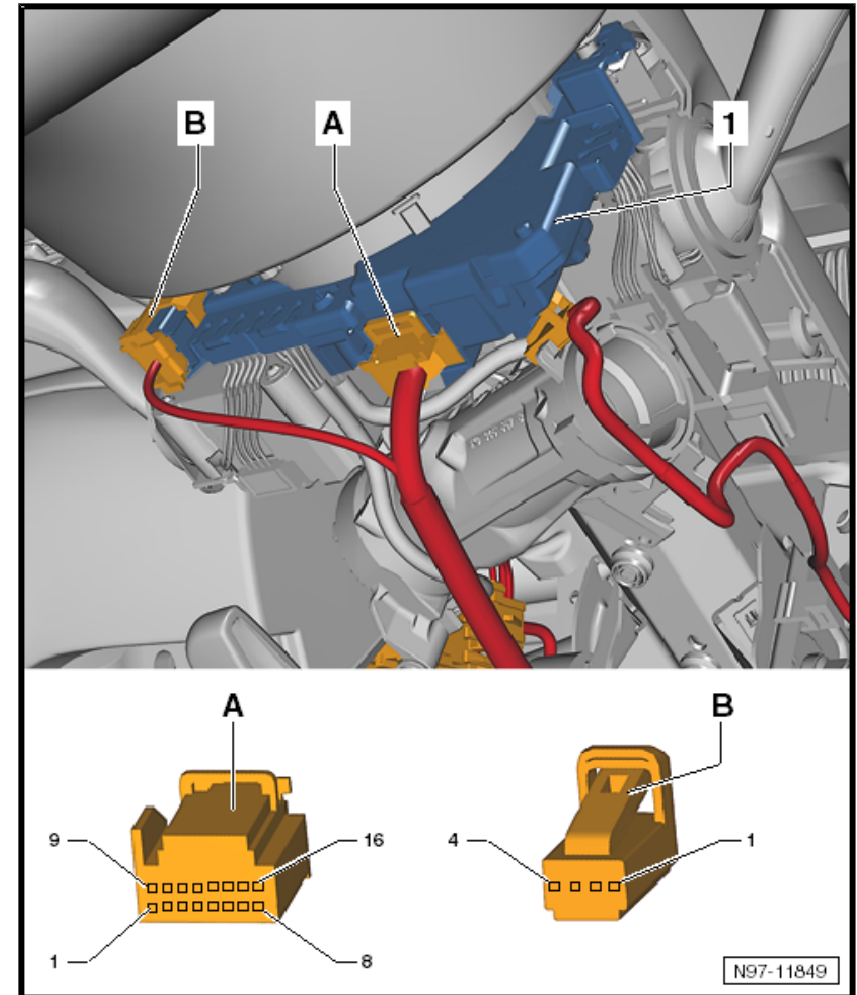
1.11.2 Connector assignment:

A - 16-pin connector -T16a-

- 1 - Terminal 30
- 2 - Terminal 31
- 3 - connector 1 (convenience CAN bus, low), in main wiring harness -B406-
- 4 - connector 1 (convenience CAN bus, low), in main wiring harness -B397-
- 5 - Engine control unit -J623- (CCS off)
- 6 - Onboard supply control unit -J519- or Engine control unit -J623- (terminal 50)
- 7 - Not assigned
- 8 - Not assigned
- 9 - Not assigned
- 10 - Not assigned
- 11 - Selector lever sensors control unit -J587- (P)
- 12 - Not assigned
- 13 - Not assigned
- 14 - Onboard supply control unit -J519- (terminal 15)
- 15 - Not assigned
- 16 - Not assigned

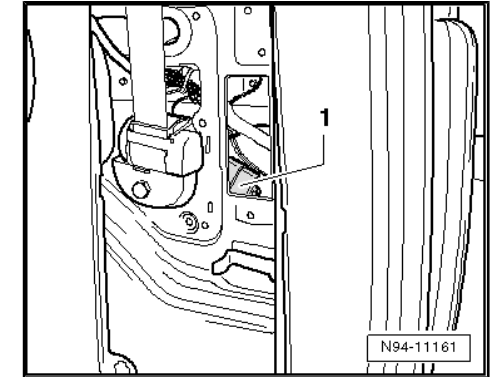
B - 4-pin connector, yellow -T4k-

- 1 - Airbag 1 -
- 2 - Airbag 1 +
- 3 - Not assigned
- 4 - Not assigned



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1.12 Parking aid control unit -J446-

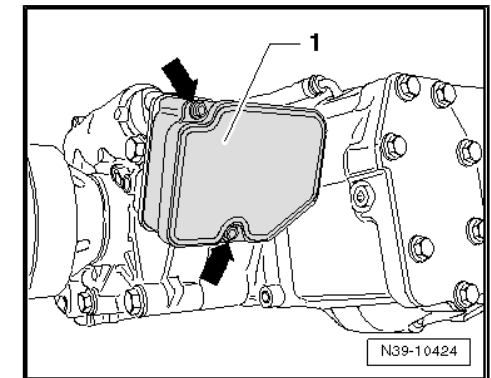


1.12.1 Fitting location:

behind rear right side trim -arrow-

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1.13 All-wheel drive control unit -J492-



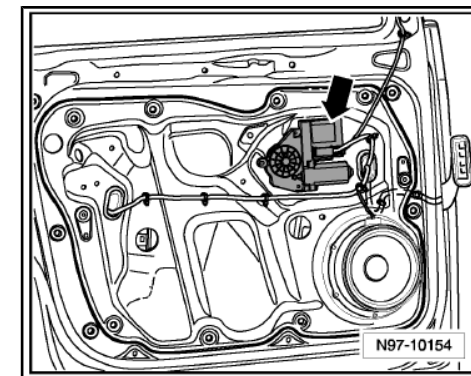
1.13.1 Fitting location:

On rear final drive -arrow-



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1.14 Driver door control unit -J386-



1.14.1 Fitting location:

On door inner part on front left -arrow-

1.14.2 Connector assignment:



A - Driver door control unit -J386-

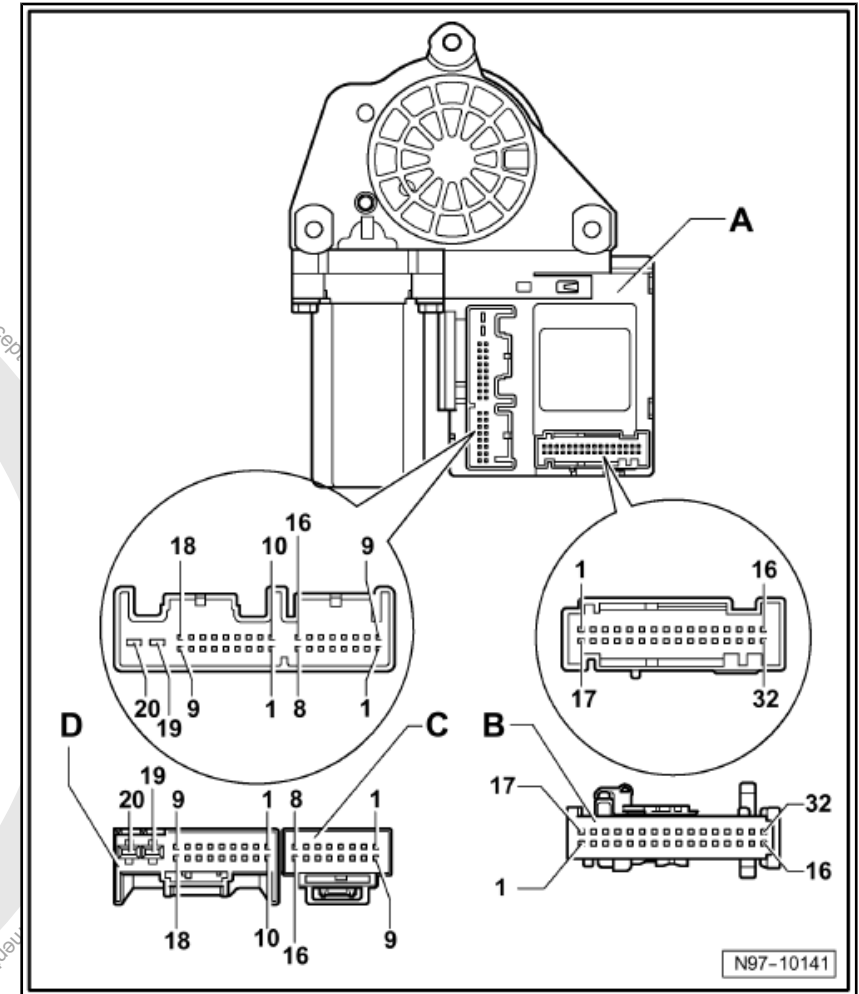
Connector:

B - 32-pin connector -T32b- (only vehicles with window regulator)

- 16-pin connector -T16e- (only for vehicles without window regulator, not shown)

C - 16-pin connector -T16f-

D - 20-pin connector -T20a-



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1.15 Onboard supply control unit -J519-

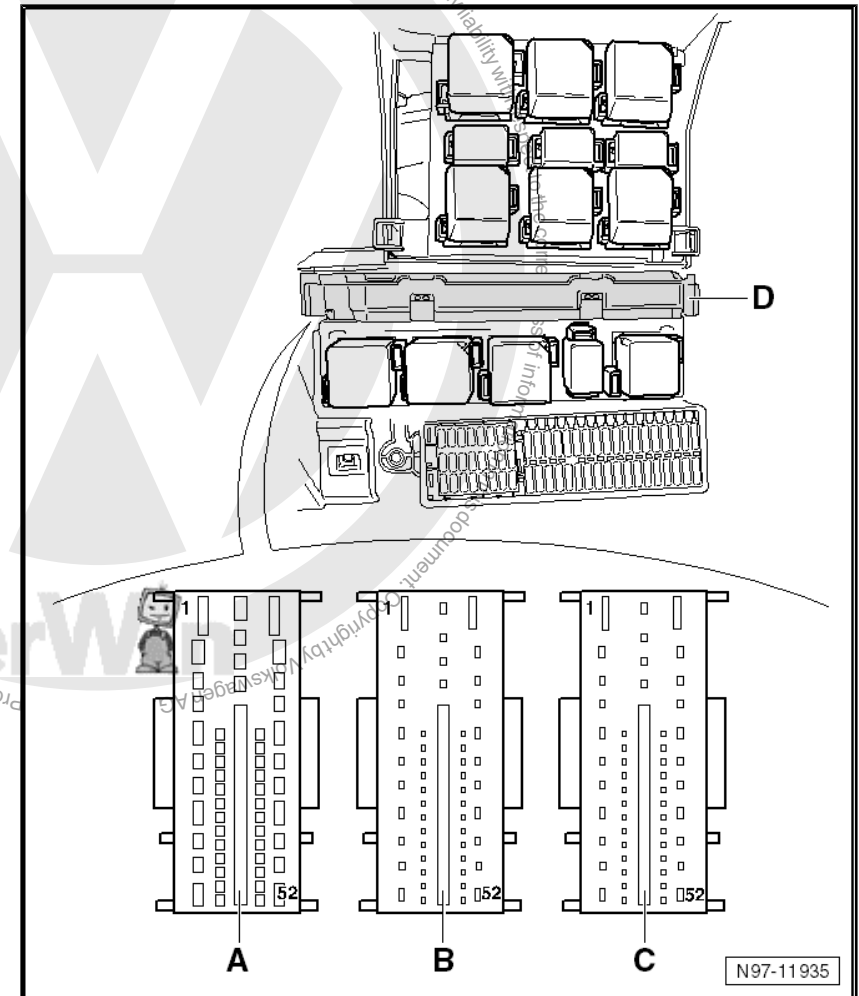
1.15.1 Fitting location:

Below the left dash panel, between the relay carriers-D-

Connector assignment, 52-pin connector, black -T52a- ⇒ [page 24](#)

Connector assignment, 52-pin connector, white -T52b- ⇒ [page 27](#)

Connector assignment, 52-pin connector, brown -T52c- ⇒ [page 30](#)

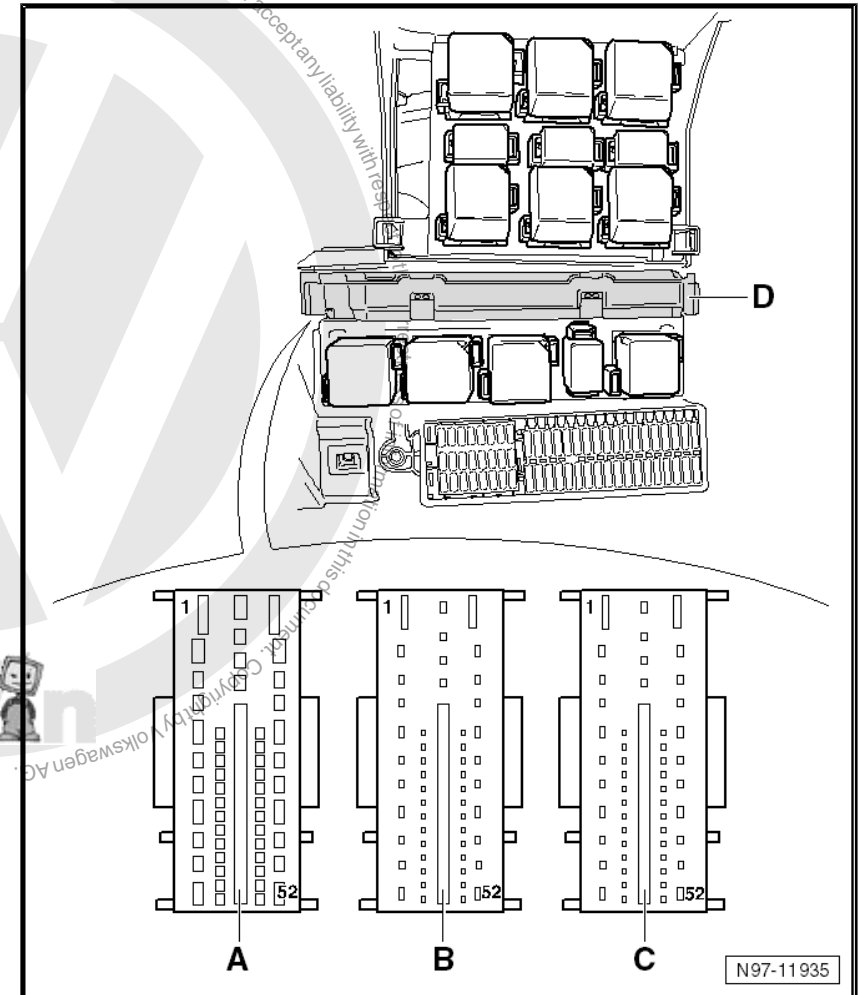


1.15.2 Connector assignment:

1.15.3 52-pin connector -T52a- black -A-

1 - Fuse 26 on fuse holder B -SB26- (Terminal 30a)

- ◆ Onboard supply control unit -J519-
- ◆ Left fog light bulb -L22- , or left cornering light bulb -L148-
- ◆ Rear left fog light bulb -L46- , or rear right fog light bulb -L47-
- ◆ Left daytime running light bulb -L174-
- ◆ Right side light bulb -M3-
- ◆ Left tail light bulb -M4-
- ◆ Front left turn signal bulb -M5-
- ◆ Rear right turn signal bulb -M8-
- ◆ Right brake light bulb -M10-
- ◆ Left reversing light bulb -M16-
- ◆ Right turn signal repeater bulb -M19-
- ◆ Left headlight dipped beam bulb -M29-
- ◆ Left headlight main beam bulb -M30-



- 2 - -
- 3 - Right turn signal repeater bulb -M19-
- 4 - Left turn signal repeater bulb -M18-
- 5 - Left headlight main beam bulb -M30-
- 6 - Left daytime running light bulb -L174- (2-filament light bulb)
- 7 - -
- 8 - -
- 9 - Rear right turn signal bulb -M8-
- 10 - Front left turn signal bulb -M5-
- 11 - Left headlight dipped beam bulb -M29-
- 12 - Connection (door contact switch), in rear wiring harness -W22- , luggage compartment light switch -F5- , rear lid lock unit -F256- , luggage compartment light -W3-
- 13 - Rear lid handle release button -E234-
- 14 - Bonnet contact switch -F266-
- 15 - Rear right central locking lock unit -F223-
- 16 - Reversing light switch -F4-
- 17 - Rear fog light switch -E18-
- 18 - Light switch -E1- (Daytime running light)
- 19 - Light switch -E1- (Side lights)
- 20 - Light switch -E1- (Driving light assist)
- 21 - Fog light switch -E7-
- 22 - Light switch -E1- (Headlight dipped beam)
- 23 - Earth connection -31-
- 24 - Fuse 3 on fuse holder B -SB3- (terminal 30_ref)
- 25 - Left fog light bulb -L22- , left cornering light bulb -L148-
- 26 - Right brake light bulb -M10-
- 27 - Left tail light bulb -M4- (2-filament light bulb)
- 28 - Left reversing light bulb -M16-
- 29 - Contact switch for rear left door -F227- , rear lid lock unit -F256-
- 30 - Rear right door contact switch -F11-

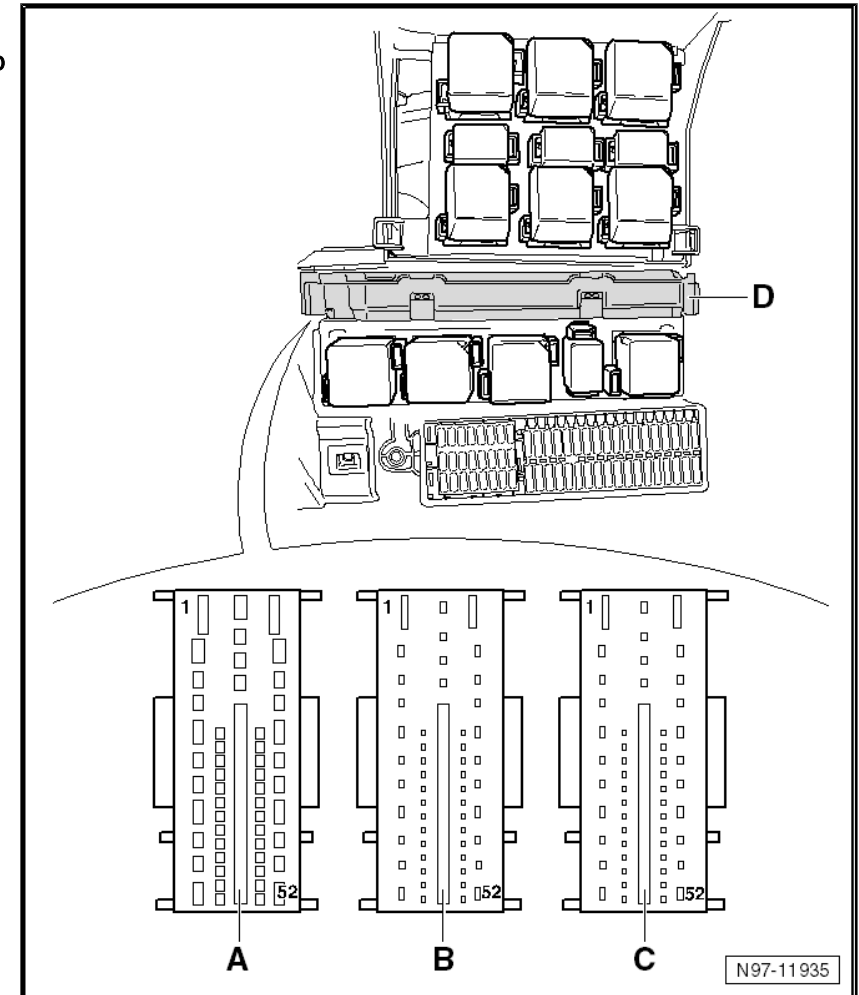


- 31 - -
- 32 - Rear left interior locking button -E310-
- 33 - Interior illumination switch -E599- , Rear left door lock unit -VX23- , Surround lighting 1 in rear lid -W61- , Surround lighting 2 in rear lid -W62-
- 34 - Rear left central locking lock unit -F222-
- 35 - Heater/heat output switch -E16-
- 36 - Interior monitoring deactivation switch -E267-
- 37 - -
- 38 - Rear left central locking lock unit -F222-
- 39 - -
- 40 - Rear right central locking lock unit -F223-
- 41 - Rear left door contact switch -F10-
- 42 - Earth connection -31-
- 43 - Washer pump -V5- , Rear window wiper motor -V12- , windscreen and rear window washer pump -V59-
- 44 - Right side light bulb -M3- (2-filament light bulb)
- 45 - High-mounted brake light bulb -M25-
- 46 - Rear lid release motor -V139-
- 47 - -
- 48 - Left sliding door central locking motor -V95-
- 49 - Right sliding door central locking motor -V58-
- 50 - -
- 51 - -
- 52 - -

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1.15.4 52-pin connector -T52b- white-B-

- 1 - Fuse 50 on fuse holder C -SC50- (terminal 30_ZV)
- 2 - Washer pump -V5- , Rear window wiper motor -V12- , windscreen and rear window washer pump -V59-
- 3 - -
- 4 - -
- 5 - Rear left door lock unit -VX23-
- 6 - -
- 7 - Left sliding door central locking motor -V95-
- 8 - Right sliding door central locking motor -V58-
- 9 - -
- 10 - -
- 11 - Rear lid release motor -V139-
- 12 - Terminal 15 voltage supply relay -J329-
- 13 - -
- 14 - Heater/heat output switch -E16-
- 15 - Switch and instrument illumination regulator -E20-
- 16 - Rear left interior locking button -E310-
- 17 - -
- 18 - -
- 19 - -
- 20 - -
- 21 - Heated front seats control unit -J774-
- 22 - Heated rear window relay -J9-
- 23 - -
- 24 - Indicator lamp for hazard warning light -K6-
- 25 - -
- 26 - -
- 27 - -
- 28 - X-contact relief relay -J59-



29 - Engine control unit -J623- , terminal 50 voltage supply relay -J682-

30 - Switch and instrument illumination regulator -E20-

31 - -

32 - -

33 - Wiper motor control unit -J400- , rain and light sensor -G397- (LIN bus)

34 - -

35 - -

36 - Alarm horn -H12- , interior monitoring sensor -G273- , vehicle inclination sender -G384- , Anti-theft alarm sensor -G578- (LIN bus)

37 - Interior monitoring deactivation switch -E267-

38 - Fuel pump relay -J17- Fuel supply relay -J643-

39 - -

40 - Headlight washer system relay -J39-

41 - Horn relay -J413-

42 - Fuse 46 on fuse holder C -Klemme- 30a

◆ Front interior light -W1-

◆ Luggage compartment light -W3-

◆ Glove compartment light -W6-

◆ Rear interior light -W43-

43 - (Terminal 30g)

◆ Front interior light -W1-

◆ Luggage compartment light -W3-

◆ Glove compartment light -W6-

◆ Rear interior light -W43-



44 - -

45 - -

46 - -

47 - -

48 - -

49 - -

50 - Rear left fog light bulb -L46- (2-filament light bulb) or rear right fog light bulb -L47- (2-filament light bulb)

51 - Terminal -58d-

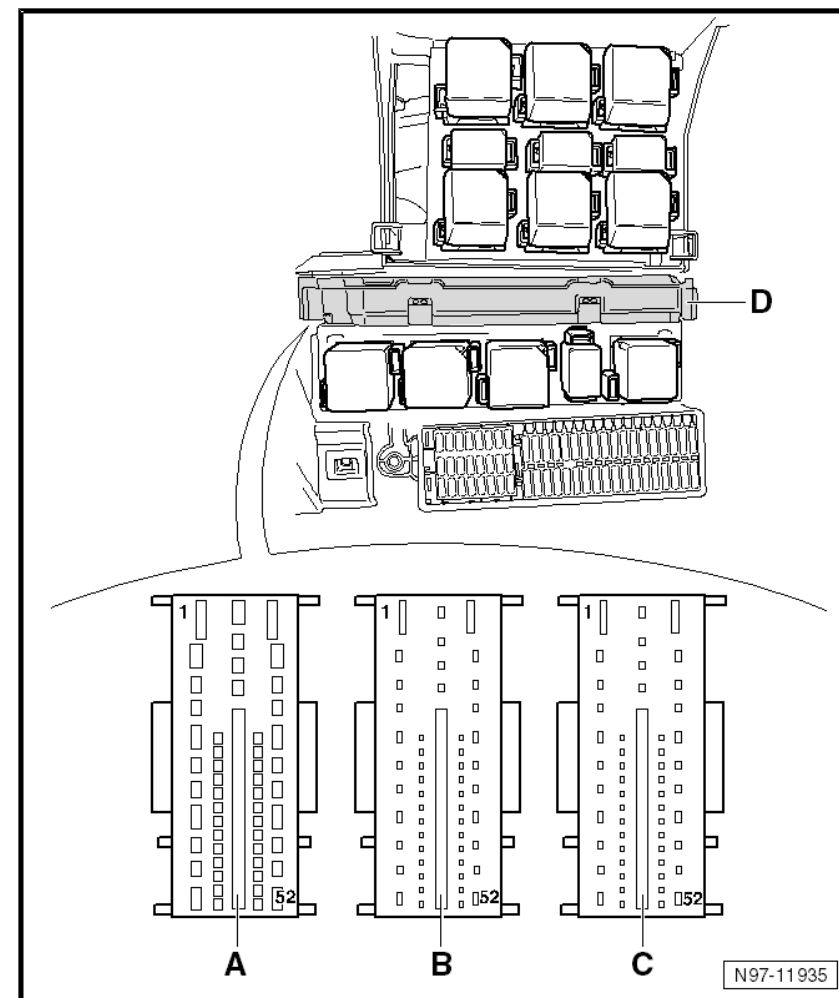
52 - Earth connection -31-

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1.15.5 52-pin connector -T52c- brown -C-

1 - Fuse 24 on fuse holder C -SC24- (terminal 30DWA)

- ◆ Alarm horn -H12-
- ◆ Interior monitoring sensor -G273-



- 2 - -
- 3 - Right tail light bulb -M2- (2-filament light bulb)
- 4 - Left brake light bulb -M9-
- 5 - Earth connection -31-
- 6 - -
- 7 - Hazard warning lights button -E229-
- 8 - -
- 9 - -
- 10 - Front interior light -W1- , Rear interior light -W43- Terminal -TK-
- 11 - -
- 12 - -
- 13 - Steering column electronics control unit -J527- Terminal -15-
- 14 - Steering column electronics control unit -J527- Terminal -50-
- 15 - Connection 1 (convenience CAN bus, high), in main wiring harness -B397-
- 16 - Connection 1 (convenience CAN bus, low), in main wiring harness -B406-
- 17 - Terminal -54-
- 18 - -
- 19 - -
- 20 - -
- 21 - -
- 22 - -
- 23 - -
- 24 - -
- 25 - Right fog light bulb -L23- , or right cornering light bulb -L149-
- 26 - Left side light bulb -M1- (2-filament light bulb)
- 27 - Licence plate light -X-
- 28 - Right reversing light bulb -M17- , automatic anti-dazzle interior mirror -Y7-
- 29 - -
- 30 - Clutch position sender -G476- , or mechatronic unit for dual clutch gearbox -J743- PN signal, or terminal -31-



- 31 - Steering column electronics control unit -J527- Terminal -15-
- 32 - Alternator -C- , Heater/heat output switch -E16-
- 33 - -
- 34 - Connection (diagnosis), in interior wiring harness -B159-
 - ◆ Voltage stabiliser -J532-
 - ◆ Starter relay 1 -J906-
 - ◆ Engine control unit -J623-
- 35 - Switch and instrument illumination regulator -E20-
- 36 - -
- 37 - -
- 38 - -
- 39 - -
- 40 - -
- 41 - -
- 42 - Fuse 16 on fuse holder B -SB16- (Terminal 30a)
 - ◆ Right fog light bulb -L23- , or right cornering light bulb -L149-
 - ◆ Rear left fog light bulb -L46- , or rear right fog light bulb -L47-
 - ◆ Right daytime running light bulb -L175-
 - ◆ Left side light bulb -M1-
 - ◆ Right tail light bulb -M2-
 - ◆ Rear left turn signal bulb -M6-
 - ◆ Front right turn signal bulb -M7-
 - ◆ Left brake light bulb -M9-
 - ◆ Right reversing light bulb -M17-
 - ◆ Left turn signal repeater bulb -M18-
 - ◆ High-mounted brake light bulb -M25-
 - ◆ Right headlight dipped beam bulb -M31-



◆ Right headlight main beam bulb -M32-

43 - -

44 - -

45 - -

46 - Right headlight main beam bulb -M32-

47 - Right daytime running light bulb -L175- (2-filament light bulb)

48 - -

49 - -

50 - Front right turn signal bulb -M7-

51 - Rear left turn signal bulb -M6-

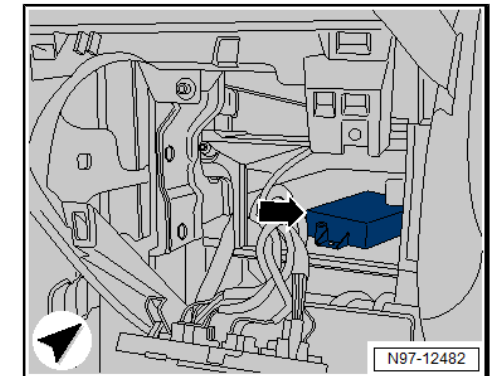
52 - Right headlight dipped beam bulb -M31-

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1.16 Park assist steering control unit -J791-
(7X5), Parking aid control unit -J446-
(2JG, 2JX)

1.16.1 Fitting location:

left under dash panel, behind the relay carrier -arrow-



1.16.2 Connector assignment:

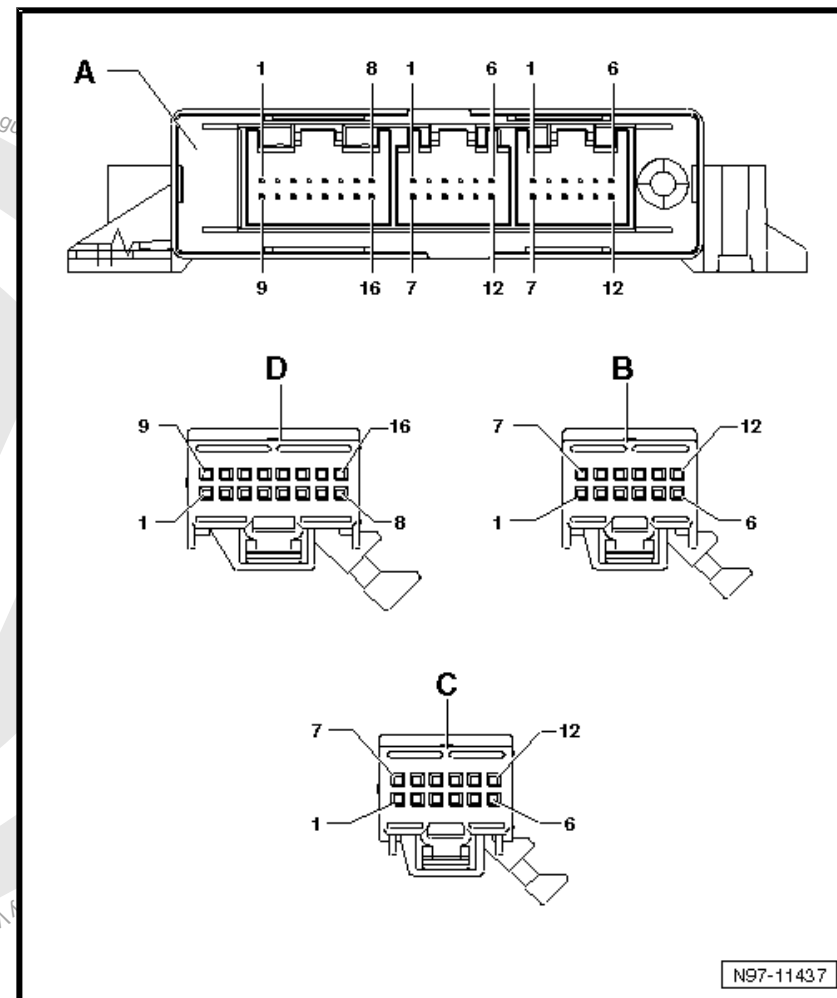
A - Park assist steering control unit -J791- (7X5), Parking aid control unit -J446- (2JG, 2JX)

Connectors:

B - 12-pin connector, black -T12f- , 12-pin connector, black -T12g-

C - 12-pin connector, brown -T12e-

D - 16-pin connector, brown -T16k- , 16-pin connector, brown -T16l-



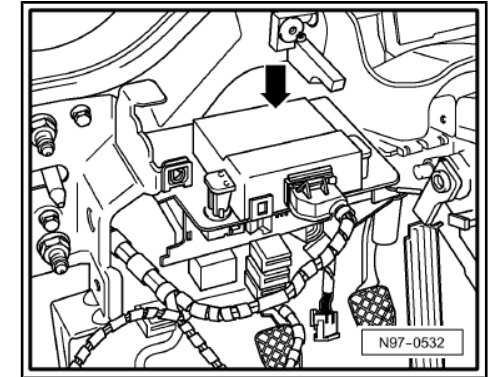
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1.17 Data bus diagnostic interface -J533-

1.17.1 Fitting location:

left under dash panel, above the relay carrier -arrow-

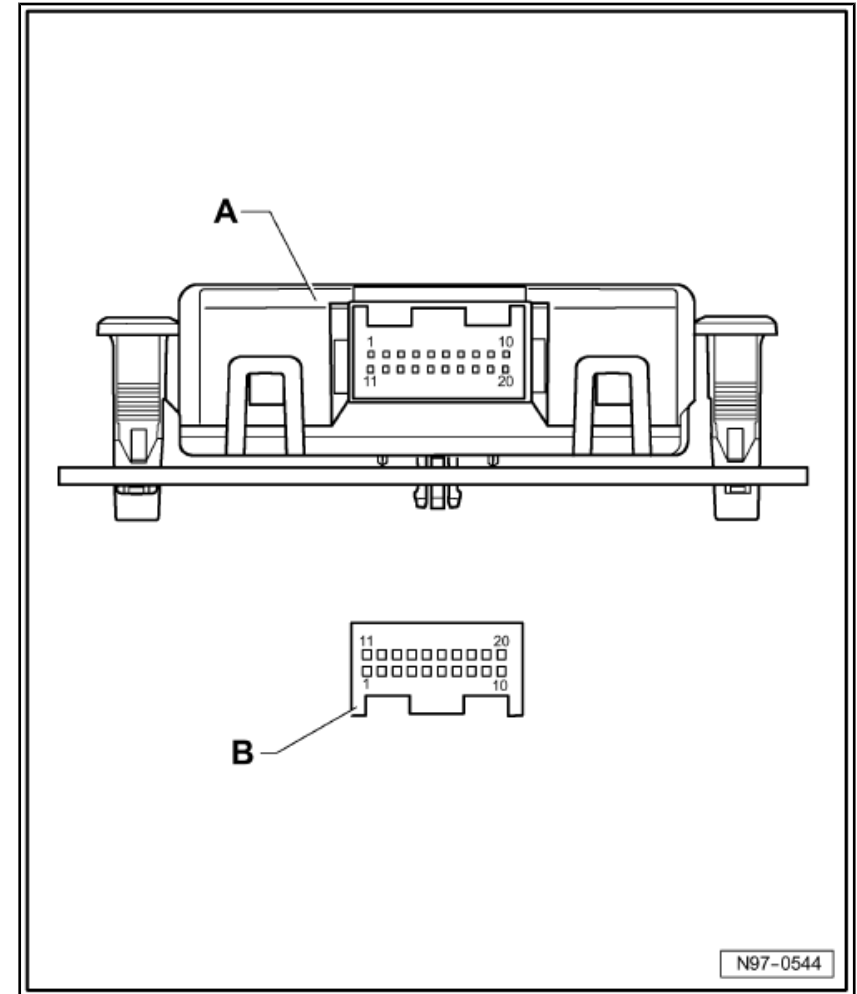
1.17.2 Connector assignment:



A - Data bus diagnostic interface -J533-

Connector:

B - 20-pin connector, red -T20-



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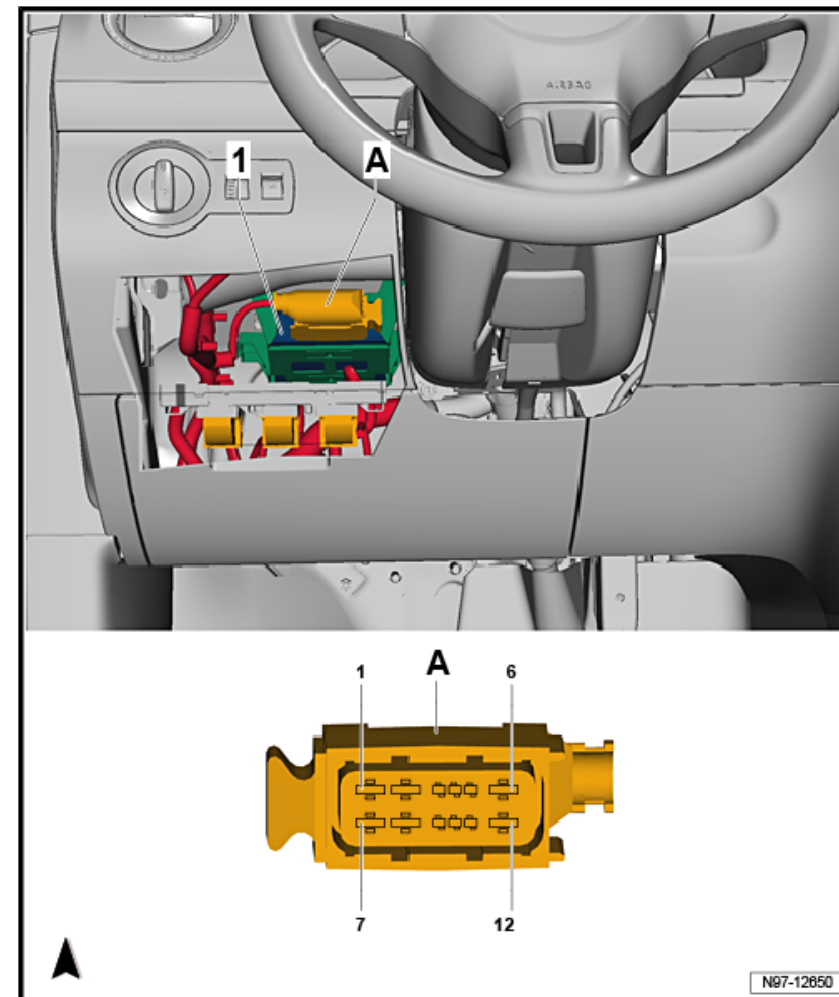
1.18 Voltage stabiliser -J532-

Fitting location:

left under dash panel, behind the relay carrier

1 - Voltage stabiliser -J532-

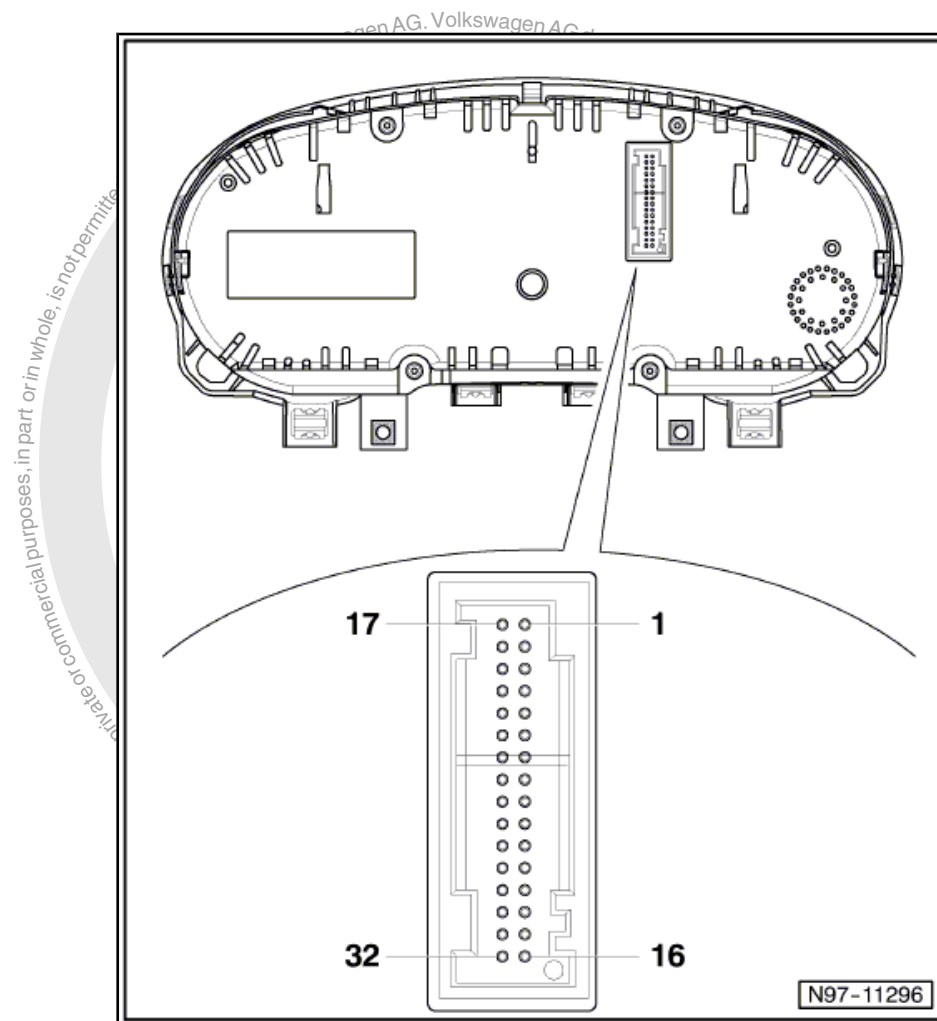
A - 12-pin connector, black -T12c-



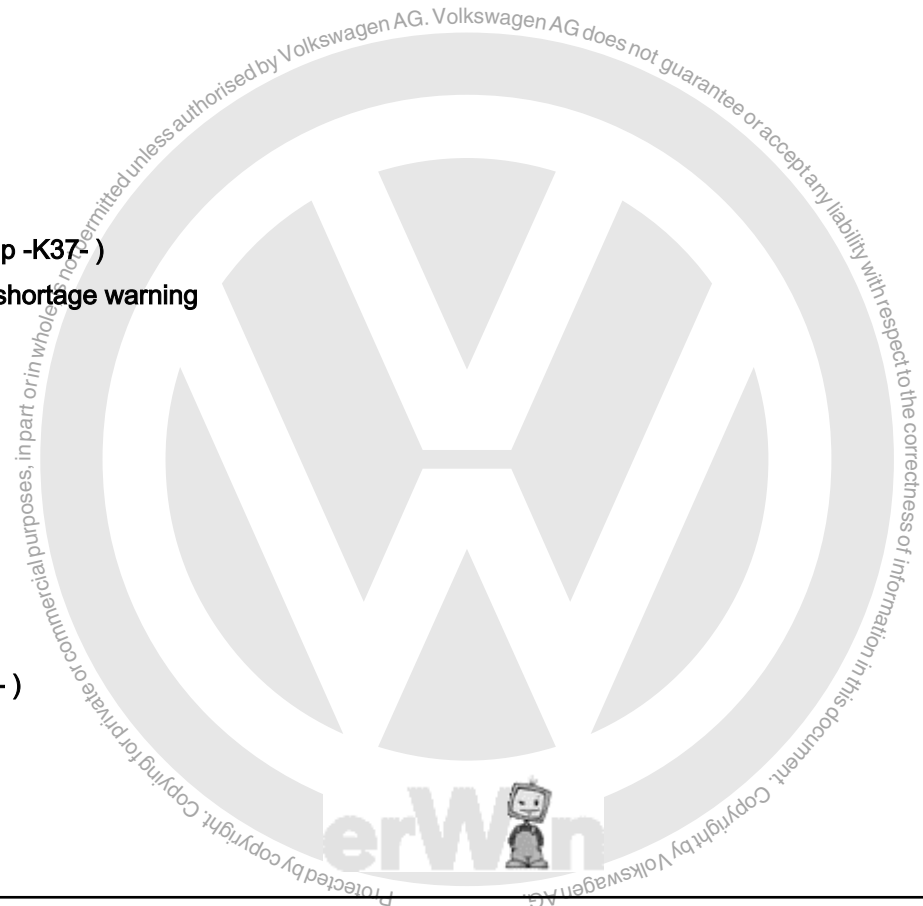
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1.19 Dash panel insert -K- with control unit in dash panel insert -J285-

Connector assignment for 32-pin connector, blue -T32-



- 1 - Fuel gauge sensor -G- (full)
- 2 - Fuel gauge sensor -G- (empty)
- 3 - Fuel gauge sensor 2 -G169- (full)
- 4 - Fuel gauge sensor 2 -G169- (empty)
- 5 - -
- 6 - -
- 7 - Immobiliser reader coil -D2-
- 8 - Immobiliser reader coil -D2-
- 9 - Output for speed signal
- 10 - -
- 11 - Oil level and oil temperature sender -G266-
- 12 - -
- 13 - -
- 14 - -
- 15 - -
- 16 - Terminal 31
- 17 - Windscreen washer fluid level sender -G33- (washer fluid level warning lamp -K37-)
- 18 - Coolant shortage indicator sender -G32- (coolant temperature and coolant shortage warning lamp -K28-)
- 19 - Ambient temperature sensor -G17-
- 20 - Earth for sensor
- 21 - -
- 22 - -
- 23 - -
- 24 - -
- 25 - Handbrake warning switch -F9- (handbrake warning lamp -K139-)
- 26 - Brake fluid level warning contact -F34- (brake fluid level warning lamp -K33-)
- 27 - Oil pressure switch -F1- (oil pressure warning lamp -K3-)
- 28 - Data bus diagnostic interface -J533- CAN bus, high
- 29 - Data bus diagnostic interface -J533- CAN bus, low



30 - -

31 - Terminal 15a

32 - Terminal 30a



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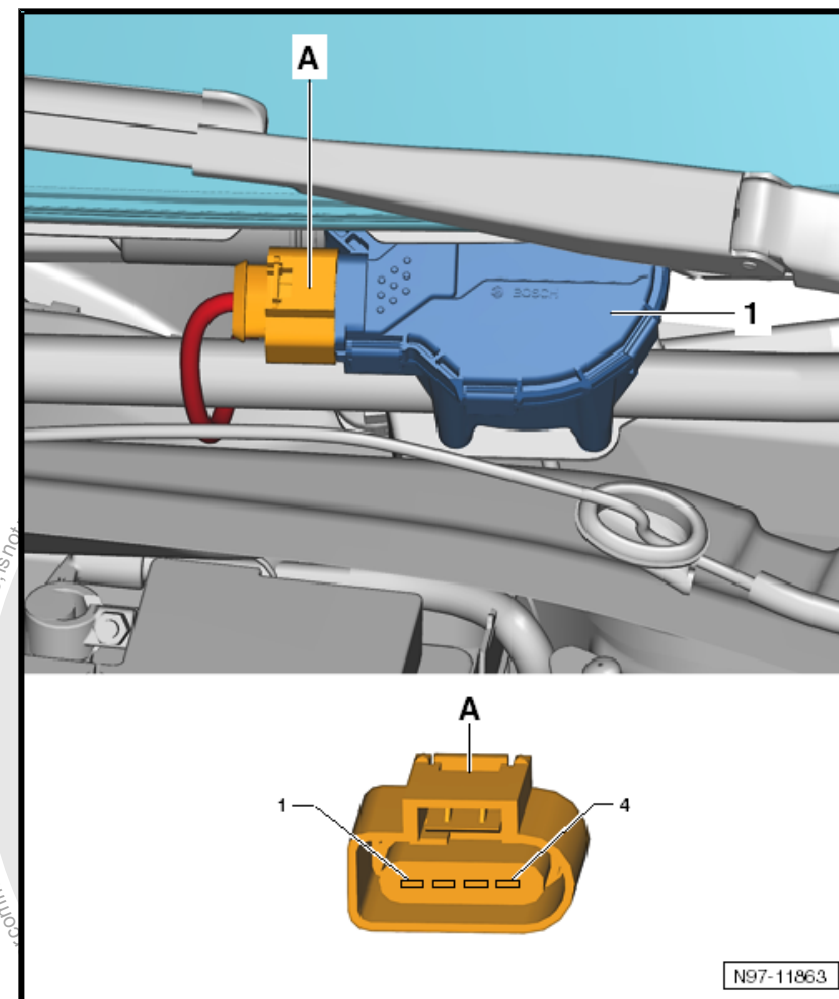
1.20 Wiper motor control unit -J400- , on windscreen wiper motor -V-

Fitting location:

on left in plenum chamber.

1 - Wiper motor control unit -J400-

A - 4-pin connector, black -T4p-



N97-11863

A - 2-pin connector -T2-



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1.22 Control unit for cornering light and headlight range control -J745-

Fitting location:

Under dash panel on left.



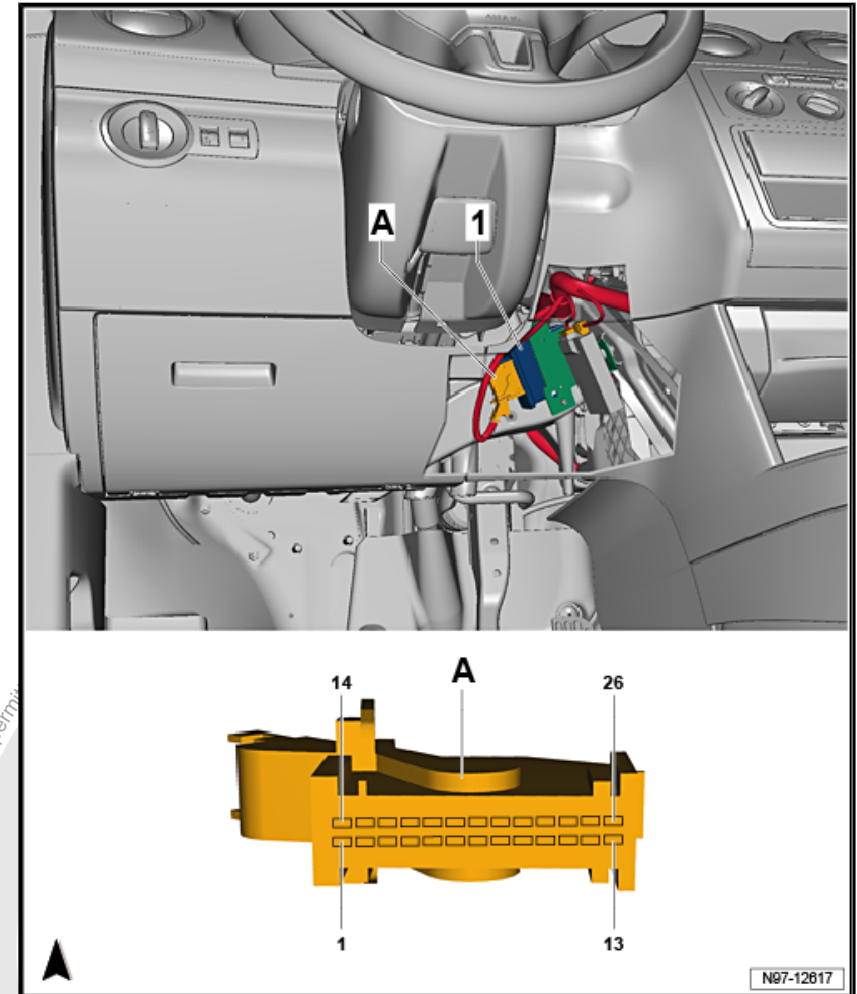
Note

- ◆ *The figure shows a left-hand drive vehicle.*
- ◆ *On right-hand drive vehicles, the Control unit for cornering light and headlight range control -J745- on the right under the dash panel*



1 - Control unit for cornering light and headlight range control -J745-

A - 26-pin connector -T26b-



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1.23 Remote control receiver for auxiliary coolant heater -R149-

Fitting location:

Under dash panel on left.



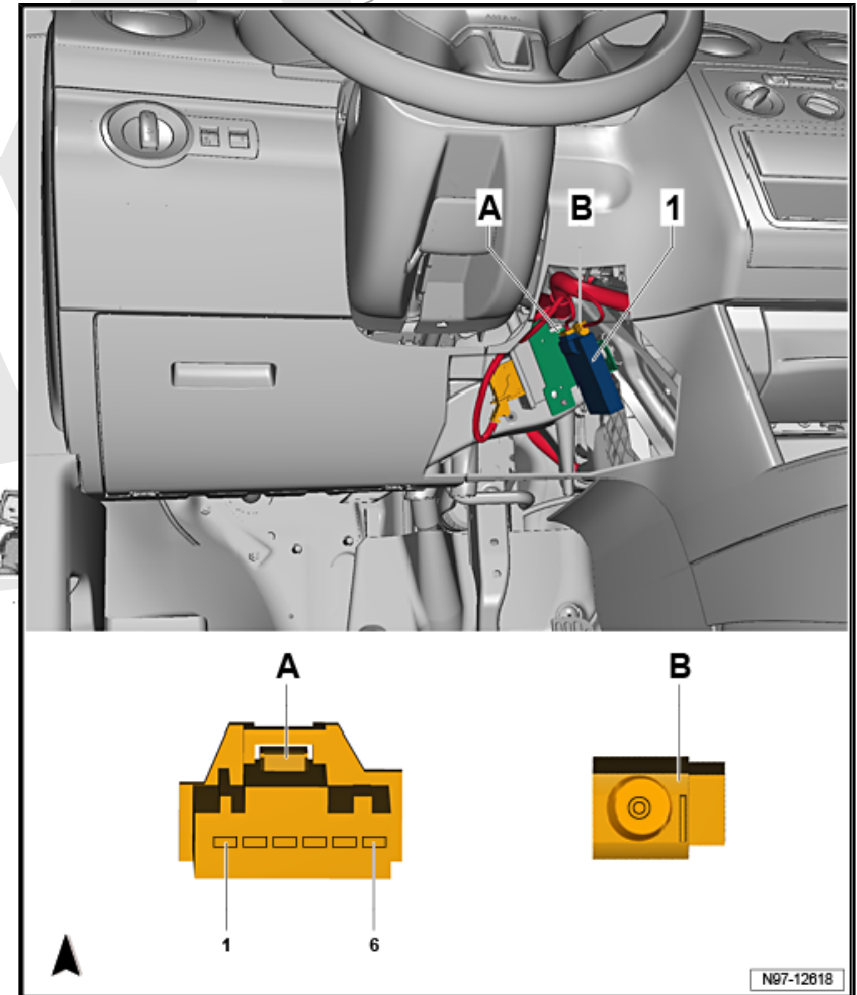
Note

- ◆ The figure shows a left-hand drive vehicle.
- ◆ On right-hand drive vehicles, the Remote control receiver for auxiliary coolant heater -R149- on the right under the dash panel.

1 - Remote control receiver for auxiliary coolant heater -R149-

A - 6-pin connector, blue -T6v-

B - Aerial connection point



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