

Basic equipment

From May 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

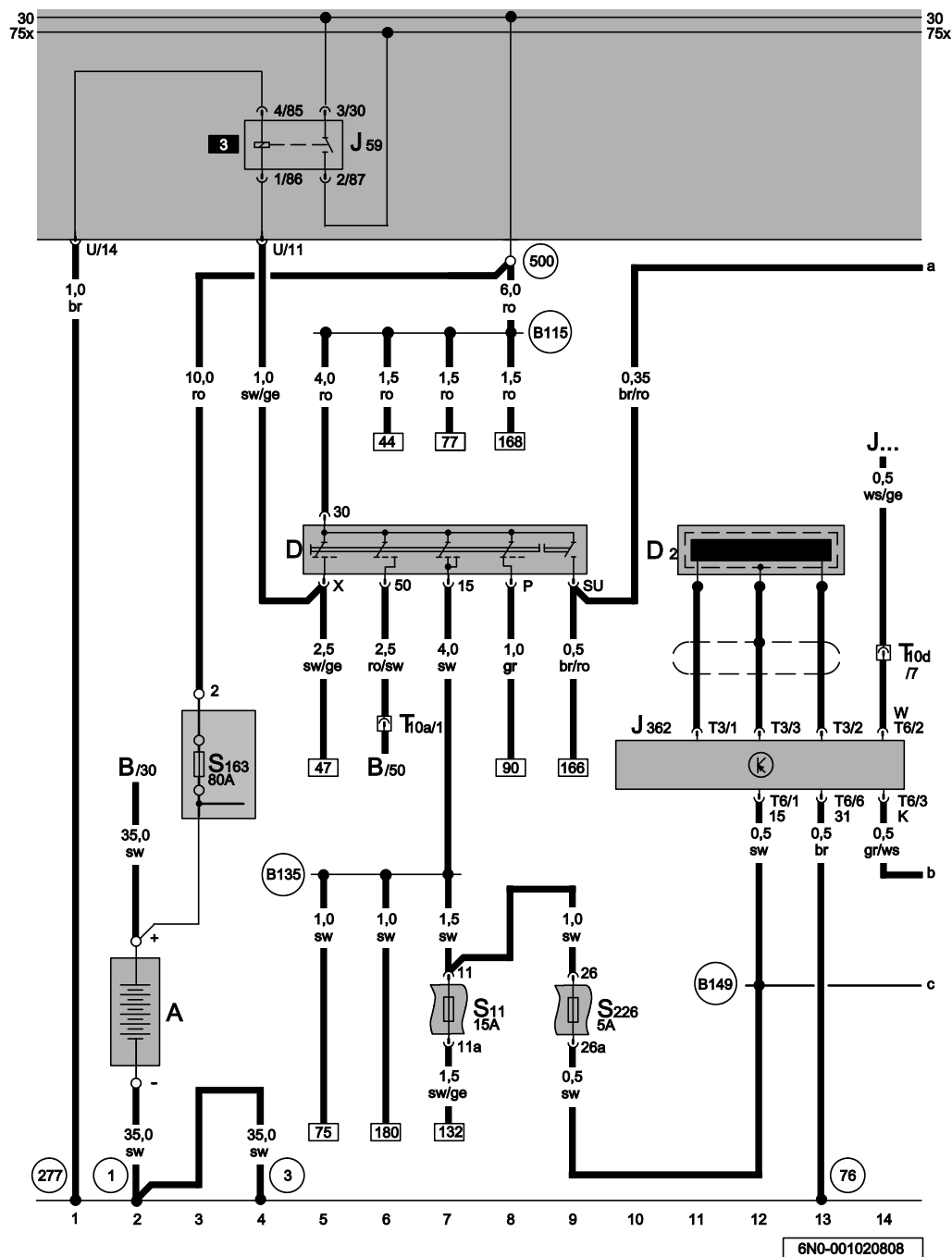
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding

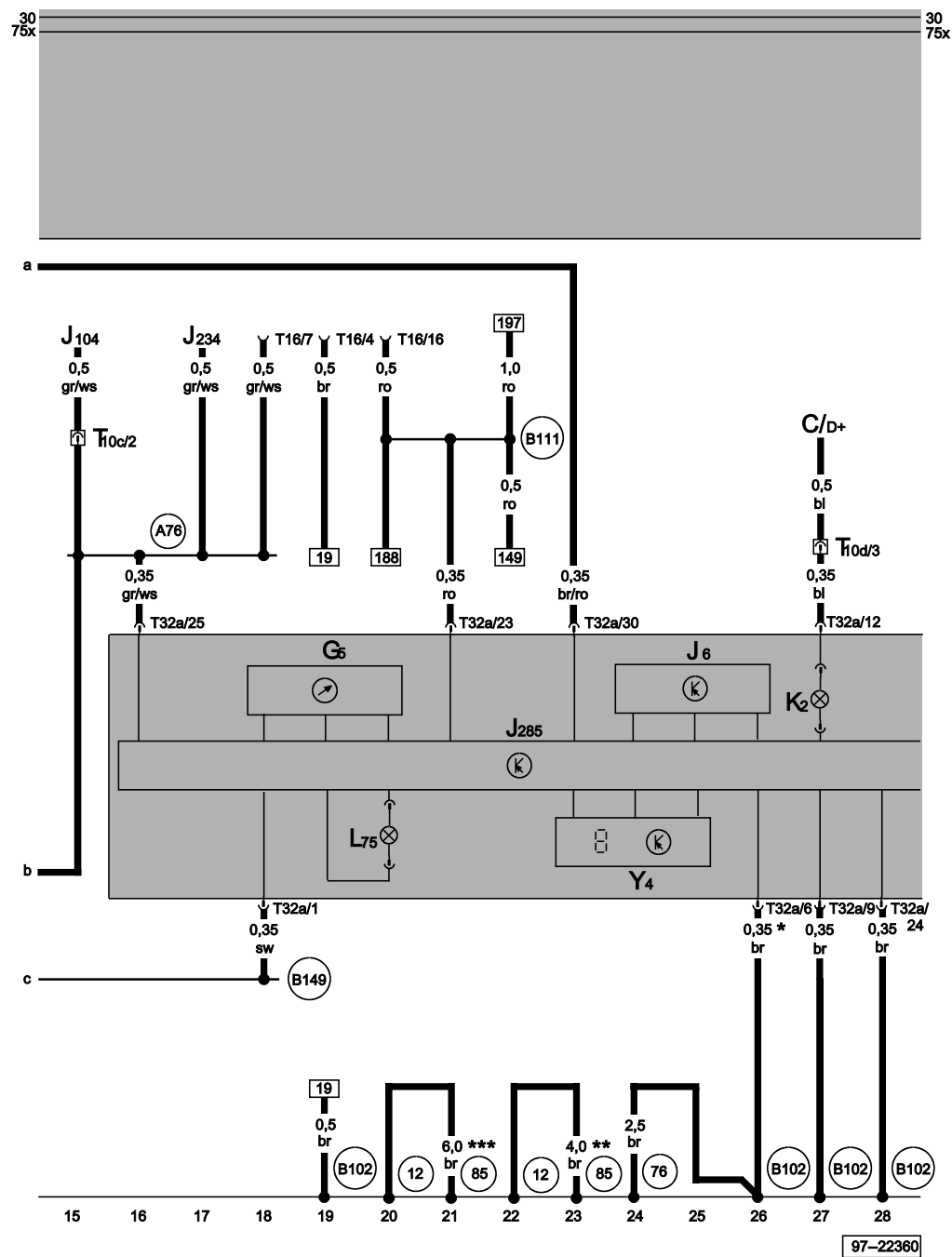


Battery, ignition/starter switch, X-contact relief relay, immobilizer

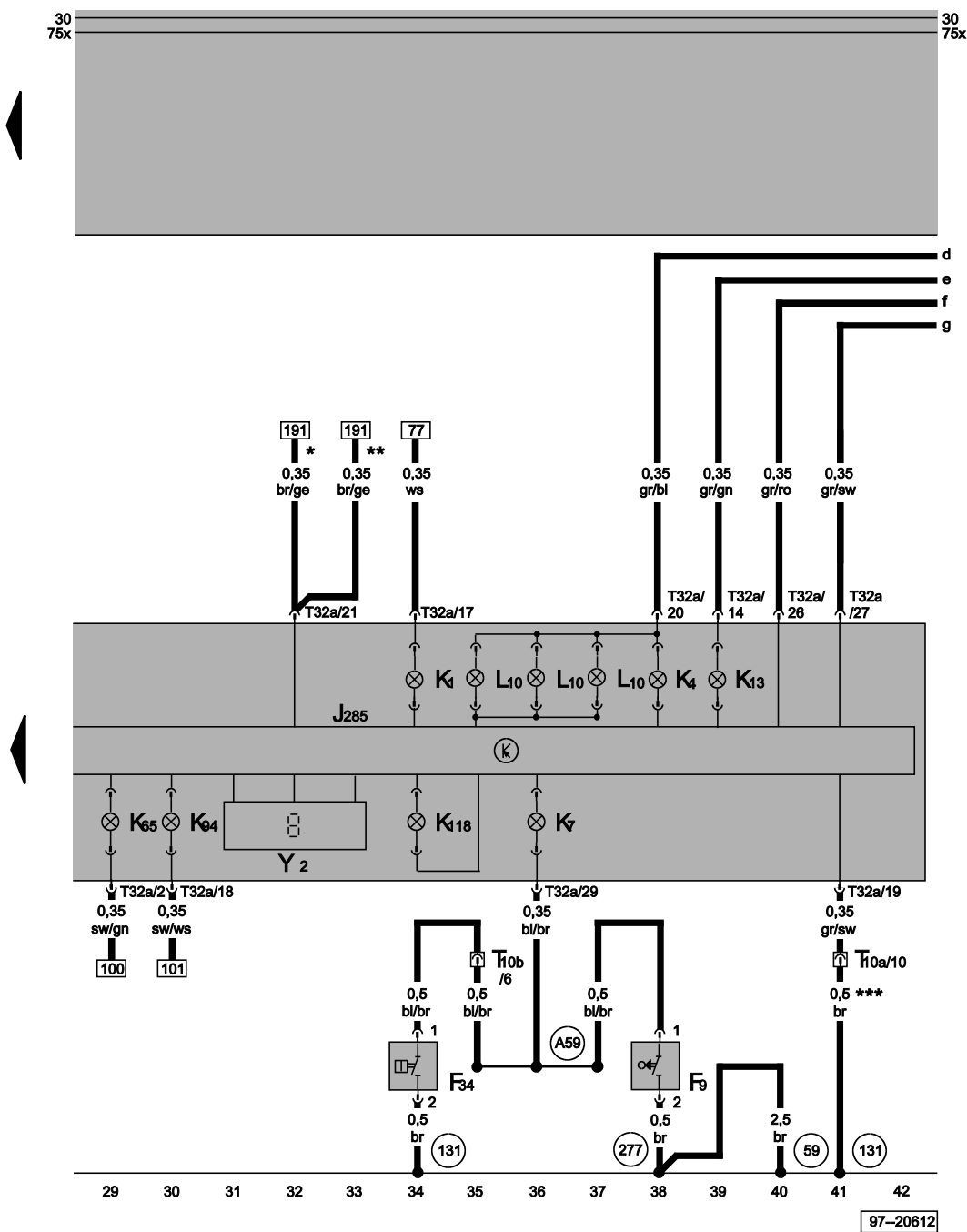
- A Battery
 - B Starter
 - D Ignition/starter switch
 - D2 Immobilizer reader coil (01128)
 - J... Injection system control unit, centre on bulkhead
 - J59 X-contact relief relay
 - J362 Immobilizer control unit, next to steering column
 - S11 Fuse on fuse holder
 - S163 Fuse 2 (30), on battery fuse holder
 - S226 Fuse on fuse holder
 - T3 3-pin connector, black, on immobilizer control unit
 - T6 6-pin connector, black, on immobilizer control unit
 - T10a 10-pin connector, green, near relay station
 - T10d 10-pin connector, red, near relay station
- 1 Earth strap, battery - body
 - 3 Earth strap, engine - body
 - 76 Earth point, near selector mechanism
 - 277 Earth connection 3, in interior wiring harness
 - 500 Screw connection 1 (30), on relay plate
 - B115 Positive connection, (30, central electrics), in interior wiring harness
 - B135 Connection (15a), in interior wiring harness
 - B149 Positive connection 2 (15a), in interior wiring harness

ws = white
sw = black
ro = red
br = brown
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Dash panel insert, rev. counter, self-diagnosis connection, odometer



- C Alternator
- G5 Rev. counter (00662)
- J6 Voltage stabiliser
- J104 ABS control unit, on left in engine compartment
- J234 Airbag control unit, behind console
- J285 Display control unit in dash panel insert (01317)
- K2 Alternator warning lamp
- L75 Digital display illumination bulb
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, relay station
- T16 16-pin connector, self-diagnosis connector, on right in glove compartment
- T32a 32-pin connector, blue
- Y4 Trip counter
- 12 Earth point, on left in engine compartment
- 76 Earth point, near selector mechanism
- 85 Earth connection 1, in engine compartment wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- * Not with airbag
- ** Only petrol engine models with manual gearbox
- *** Only petrol engine models with automatic gearbox

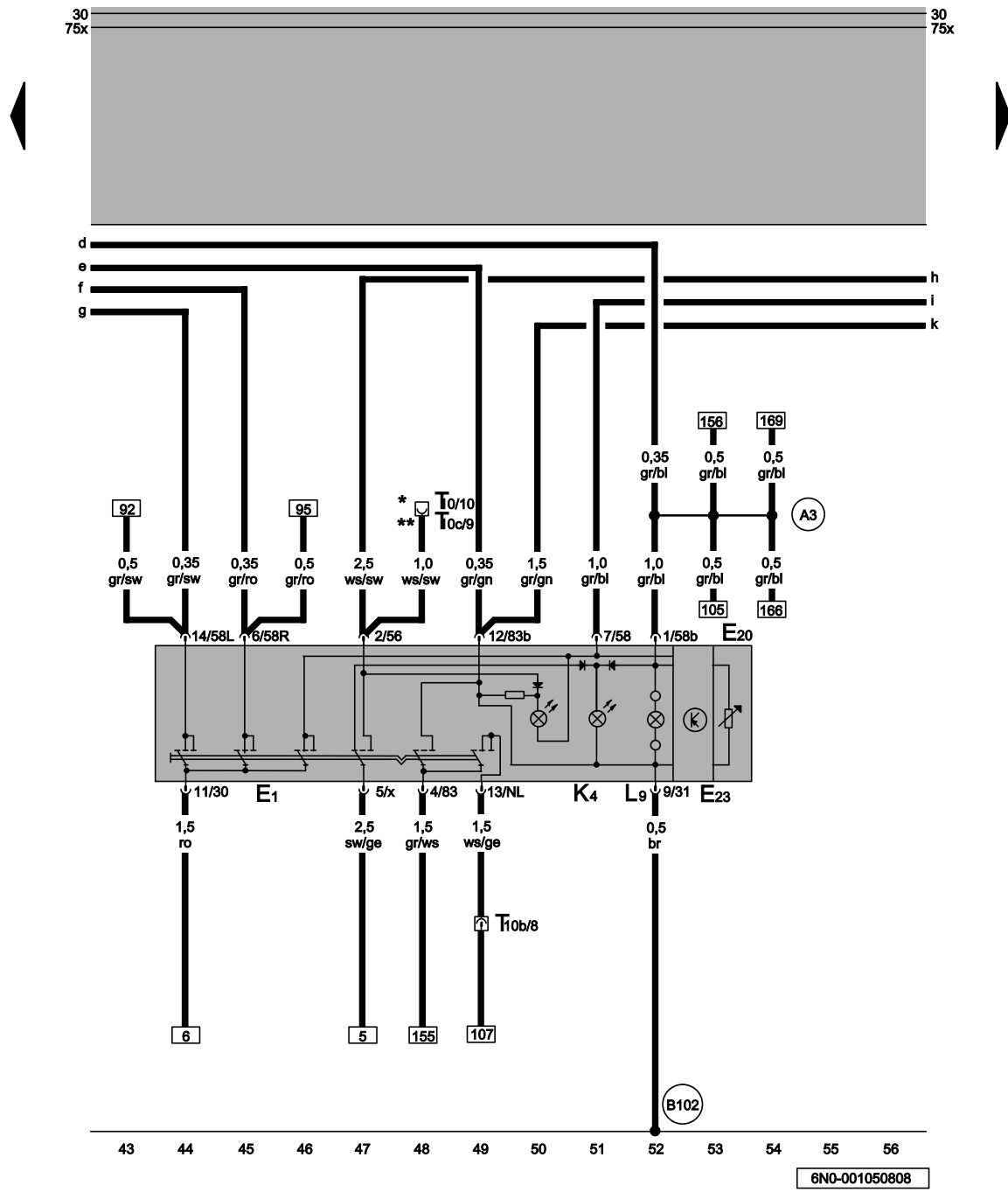


Dash panel insert, digital clock, main beam warning lamp, side light warning lamp, turn signal indicator lamp, handbrake warning, brake fluid level warning contact

- F9 Handbrake warning switch (01114)
- F34 Brake fluid level warning contact
- J285 Display control unit in dash panel insert (01317)
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K7 Dual circuit brakes/handbrake warning lamp (01047)
- K13 Rear fog light warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K118 Brake system warning lamp
- L10 Dash panel insert illumination bulb
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue
- Y2 Digital clock

- 59 Earth point, near left tail light
- 131 Earth connection 2, in engine compartment wiring harness
- 277 Earth connection 3, in interior wiring harness
- A59 Connection (sender), in dash panel wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Not for ABS

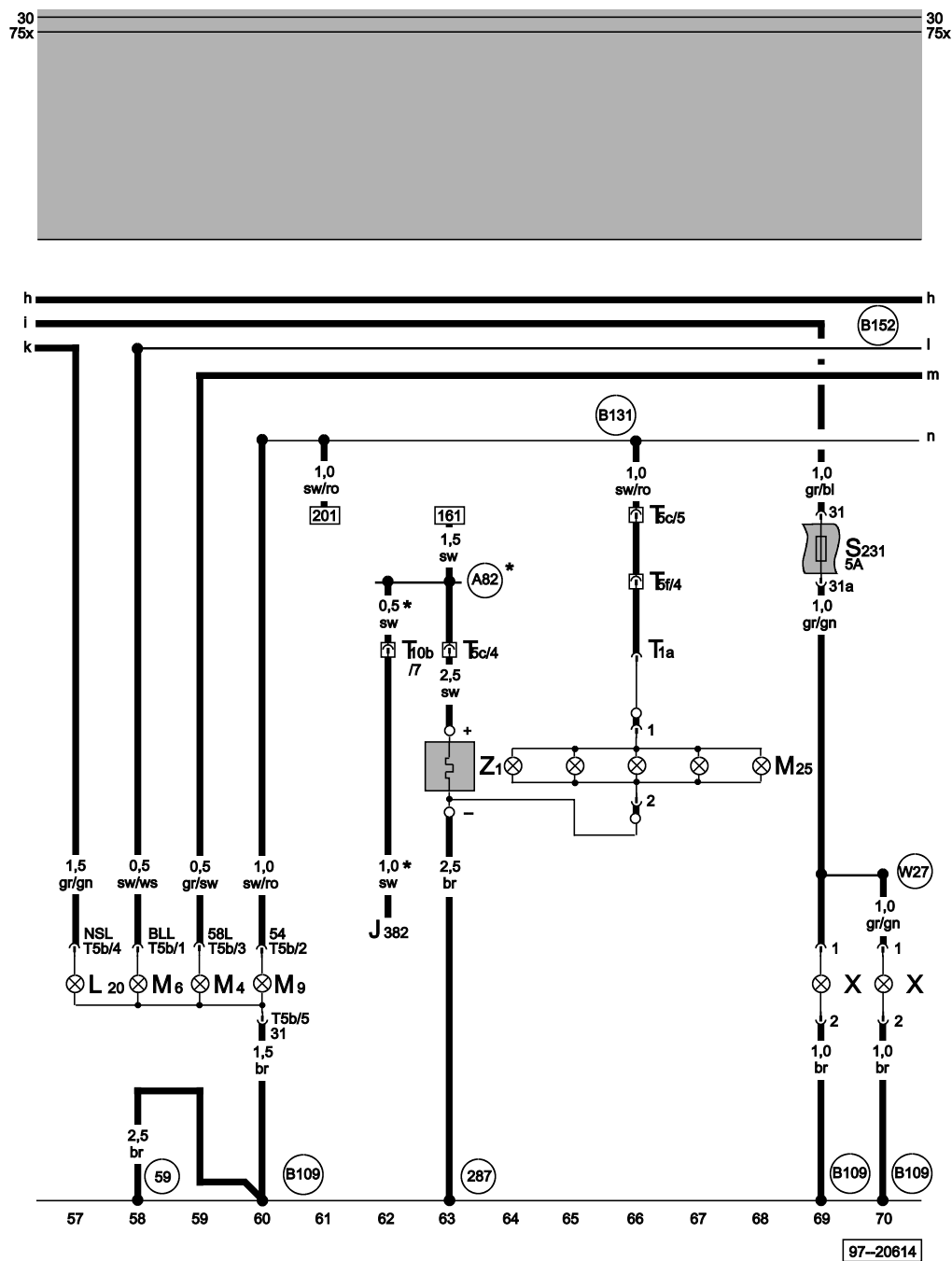
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Light switch, switch and instrument illumination regulator

- E1 Light switch
- E20 Switch and instrument illumination regulator
- E23 Front and rear fog light switch
- K4 Side light warning lamp
- L9 Light switch illumination bulb
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- A3 Positive connection (58), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine

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Tail light, left brake light, rear fog light, number plate light, heated rear window

- J382 1AV injection system control unit
- L20 Rear fog light bulb
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M9 Left brake light bulb
- M25 High level brake light bulb
- S231 Fuse on fuse holder
- T1a 1-pin connector, black, in rear lid
- T5b 5-pin connector, black, on left rear light
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5f 5-pin connector, black, in rear lid
- T10b 10-pin connector, black, near relay station
- X Registration plate light
- Z1 Heated rear window

- 59 Earth point, near left tail light
- A82 Connection (windscreen heater), in dash panel wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B131 Connection (54), in interior wiring harness
- B152 Connection (BL), in interior wiring harness
- 287 Earth connection, in rear lid feeder wiring harness
- W27 Positive connection (58), in tail lights wiring harness
- * Only models with a petrol engine

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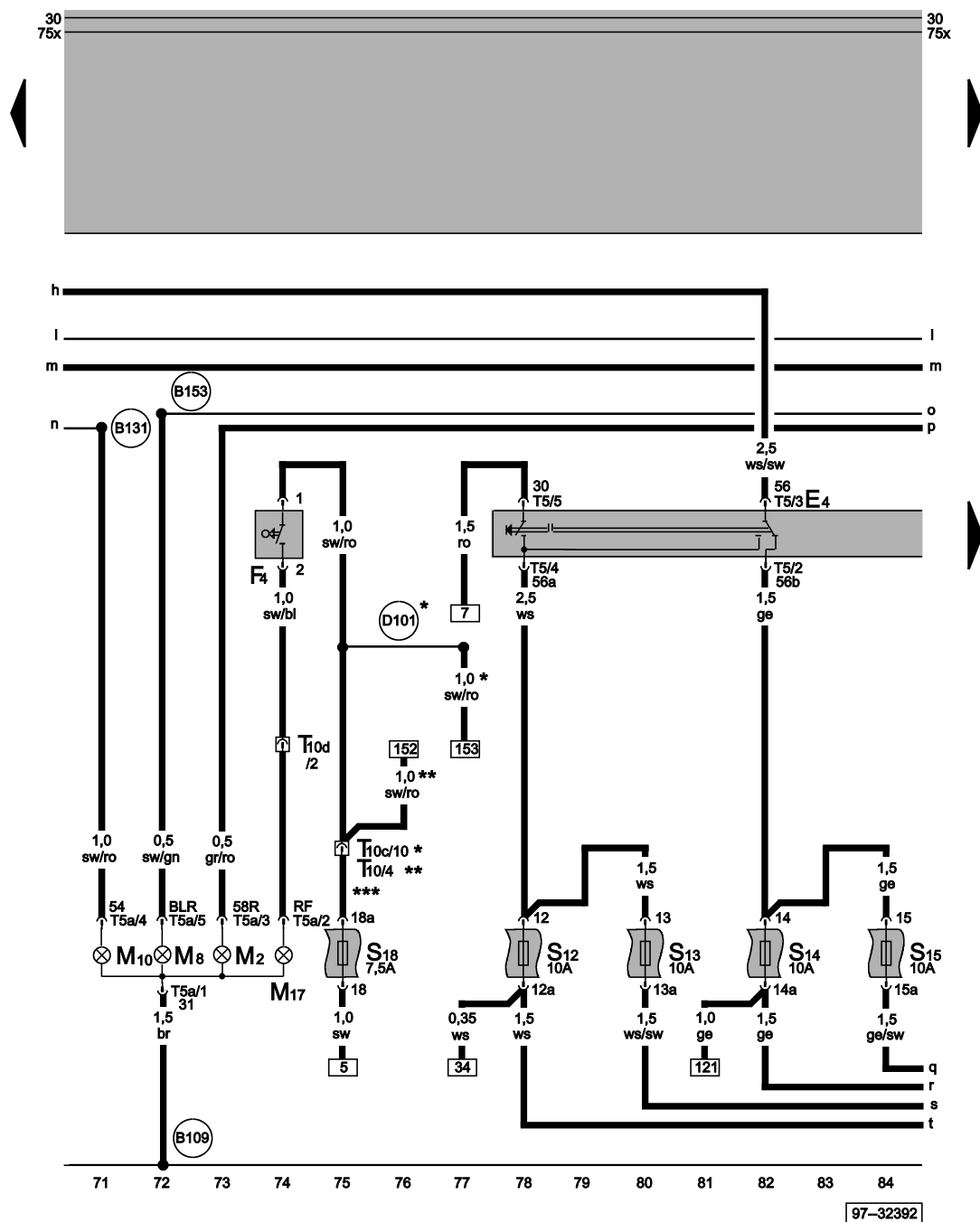
Right tail light, right brake light, reversing light, headlight dipper/flasher switch

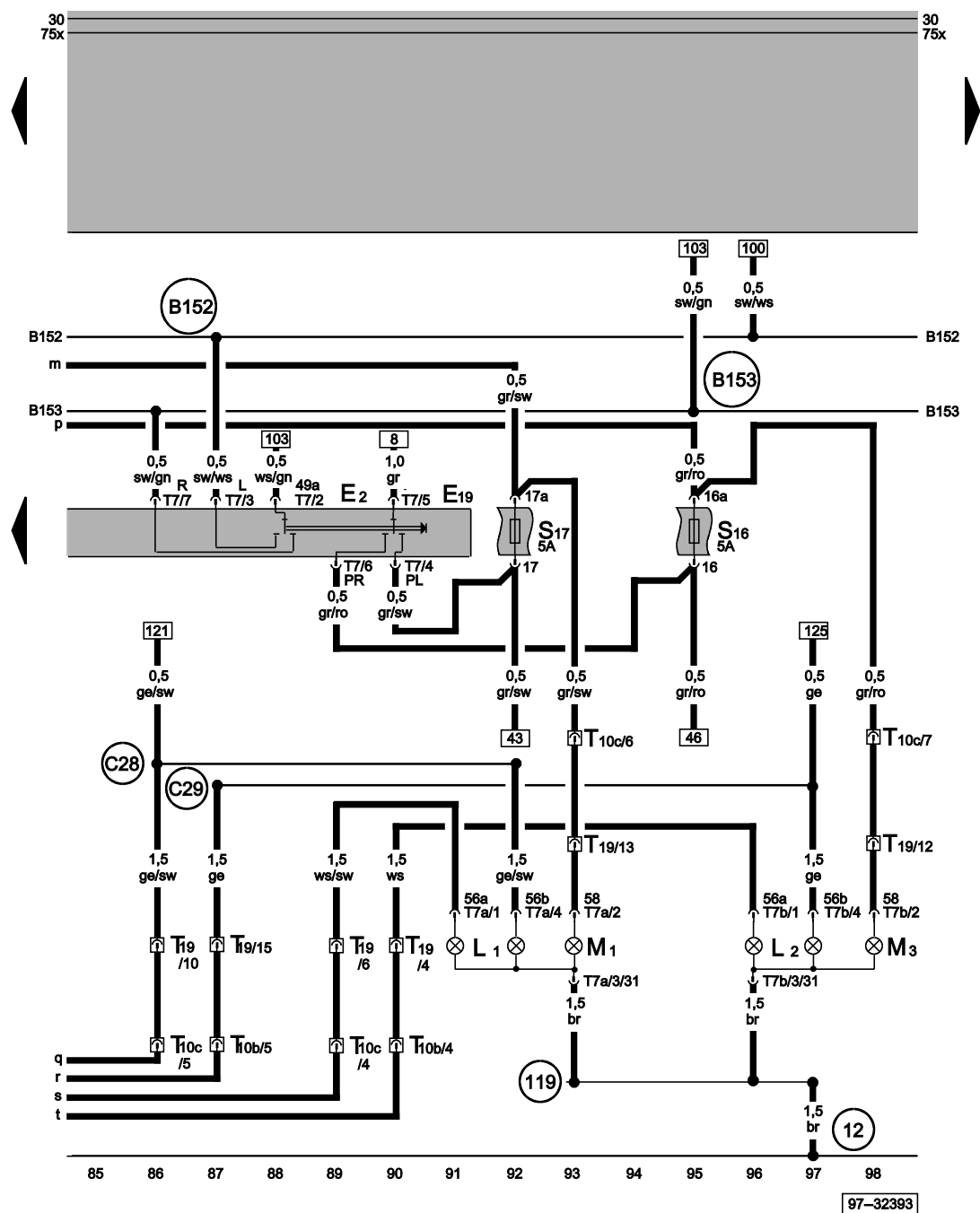
- E4 Headlight dipper and flasher switch
- F4 Reversing light switch
- M2 Right tail light bulb
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M17 Right reversing light bulb
- S12 Fuse on fuse holder
- S13 Fuse on fuse holder
- S14 Fuse on fuse holder
- S15 Fuse on fuse holder
- S18 Fuse on fuse holder
- T5 5-pin connector, black, behind steering column switch trim
- T5a 5-pin connector, black, on rear right tail light
- T10 10-pin connector, white, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station

- B109 Earth connection, in rear left interior wiring harness
- B131 Connection (54), in interior wiring harness
- B153 Connection (RTS), in interior wiring harness
- D101 Connection 1, in engine compartment wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Not models with an automatic gearbox

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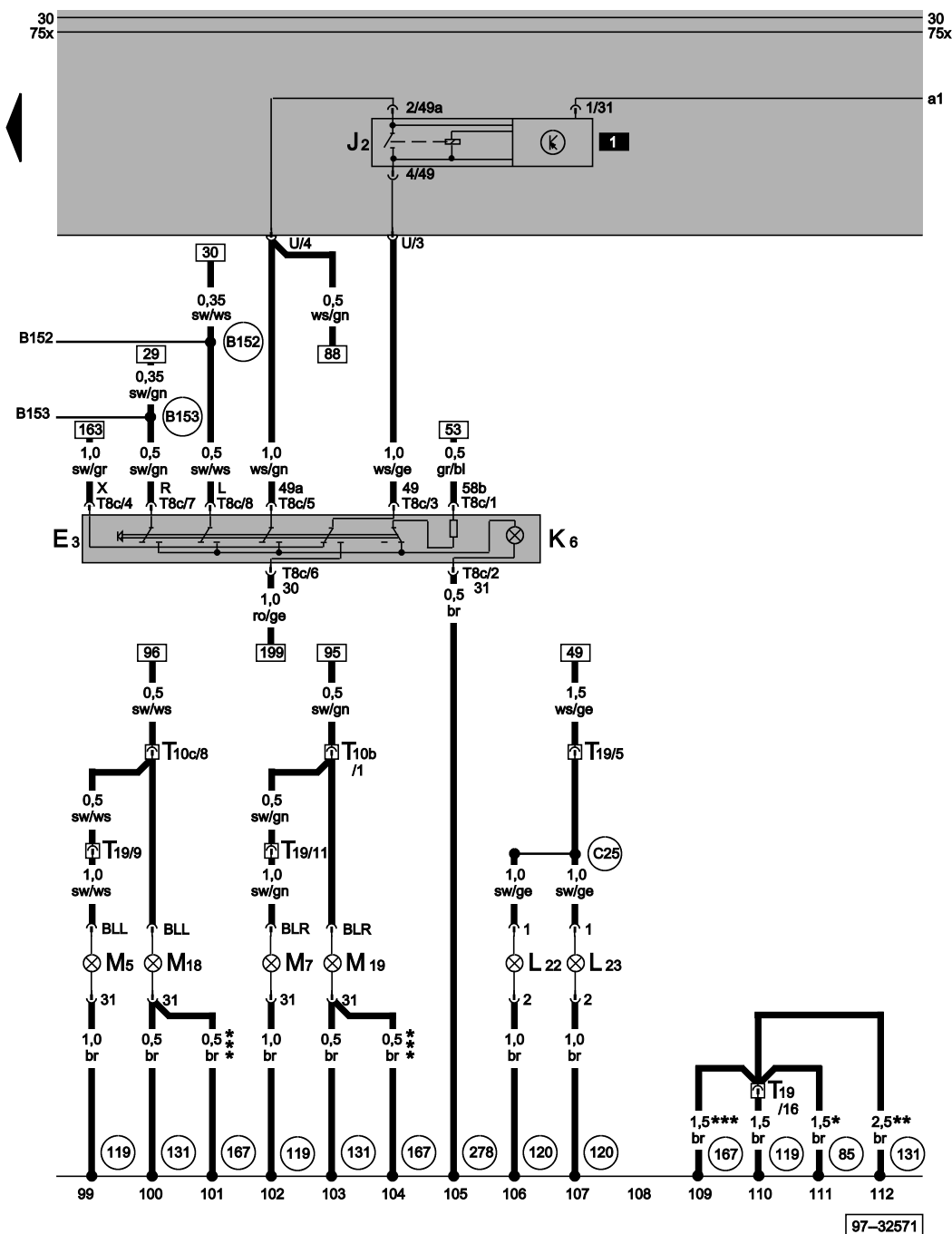


Turn signal switch, parked light switch, front bulbs

- E2 Turn signal switch
- E19 Parking light switch
- L1 Left twin filament bulb
- L2 Right twin filament bulb
- M1 Left side light bulb
- M3 Right side light bulb
- S16 Fuse on fuse holder
- S17 Fuse on fuse holder
- T7 7-pin connector, black, behind steering column switch trim
- T7a 7-pin connector, black, near left headlight
- T7b 7-pin connector, black, near left headlight
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station

- 12 Earth point, on left in engine compartment
- 119 Earth connection 1, in headlight wiring harness
- B152 Connection (BL), in interior wiring harness
- B153 Connection (RTS), in interior wiring harness
- C28 Connection 1 (56b), in headlight wiring harness
- C29 Connection 2 (56b), in headlight wiring harness

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Hazard warning light relay, hazard warning light switch

- E3 Hazard warning light switch
- J2 Hazard warning light relay
- K6 Hazard warning light system warning lamp
- L22 Left fog light bulb
- L23 Right fog light bulb
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M18 Left side repeater turn signal bulb
- M19 Right side repeater turn signal bulb
- T8c 8-pin connector, black, on hazard warning light switch
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T19 19-pin connector, black, on front left in engine compartment

85 Earth connection 1, in engine compartment wiring harness

119 Earth connection 1, in headlight wiring harness

131 Earth connection 2, in engine compartment wiring harness

167 Earth connection 4, in engine compartment wiring harness

B152 Connection (BL), in interior wiring harness

B153 Connection (RTS), in interior wiring harness

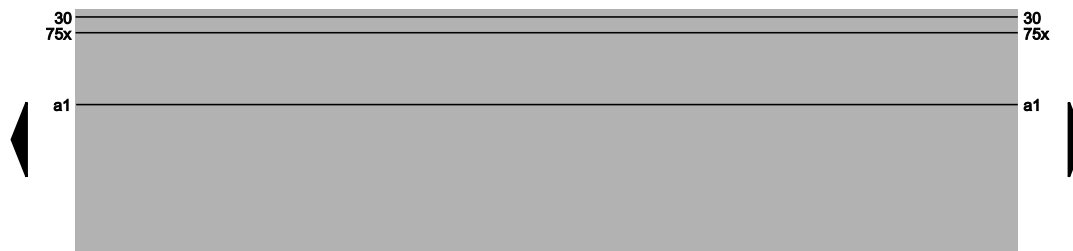
C25 Connection (fog light), in front lighting wiring harness

* Only petrol engine models with manual gearbox

** Only models with a diesel engine

*** Only automatic gearbox

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Headlight range control

- E102 Headlight range control regulator
- T7a 7-pin connector, black, near left headlight
- T7b 7-pin connector, black, near left headlight
- T10c 10-pin connector, blue, near relay station
- T19 19-pin connector, black, on front left in engine compartment
- V48 Left headlight range control motor
- V49 Right headlight range control motor

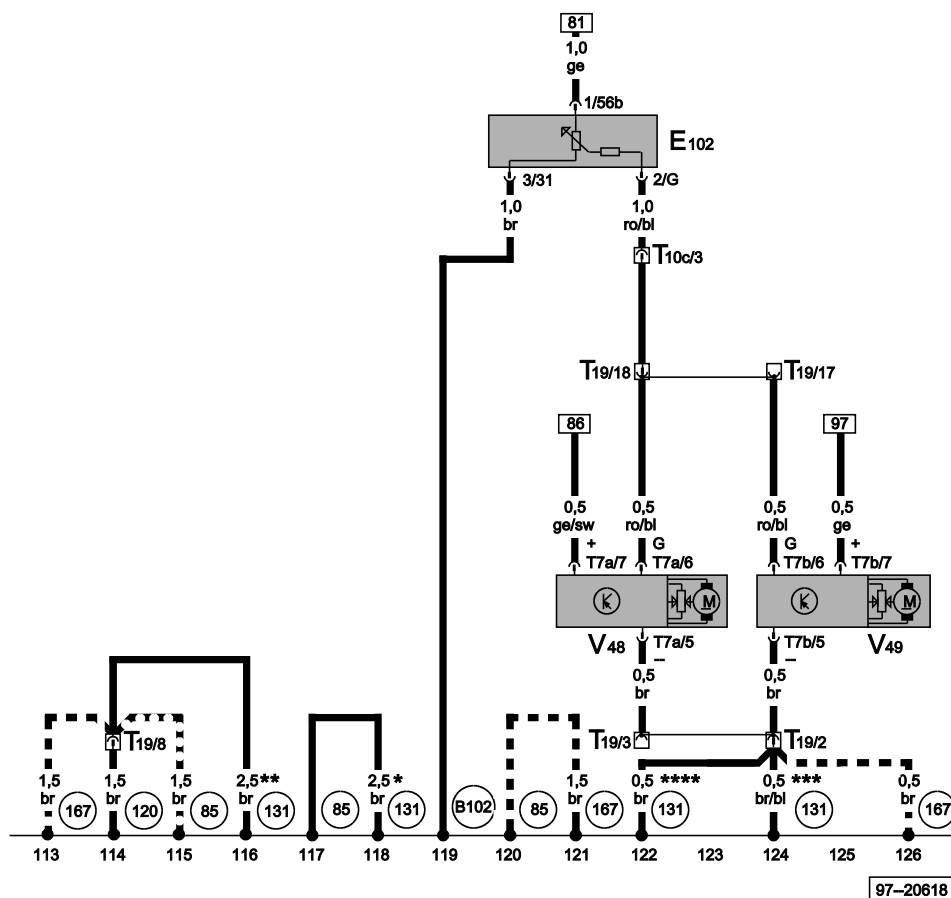
- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 120 Earth connection 2, in headlight wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- B102 Earth connection, in front left interior wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Only engine codes AGD and AHG
- **** Not with engine codes AGD and AHG

<fo:exter Only automatic gearbox

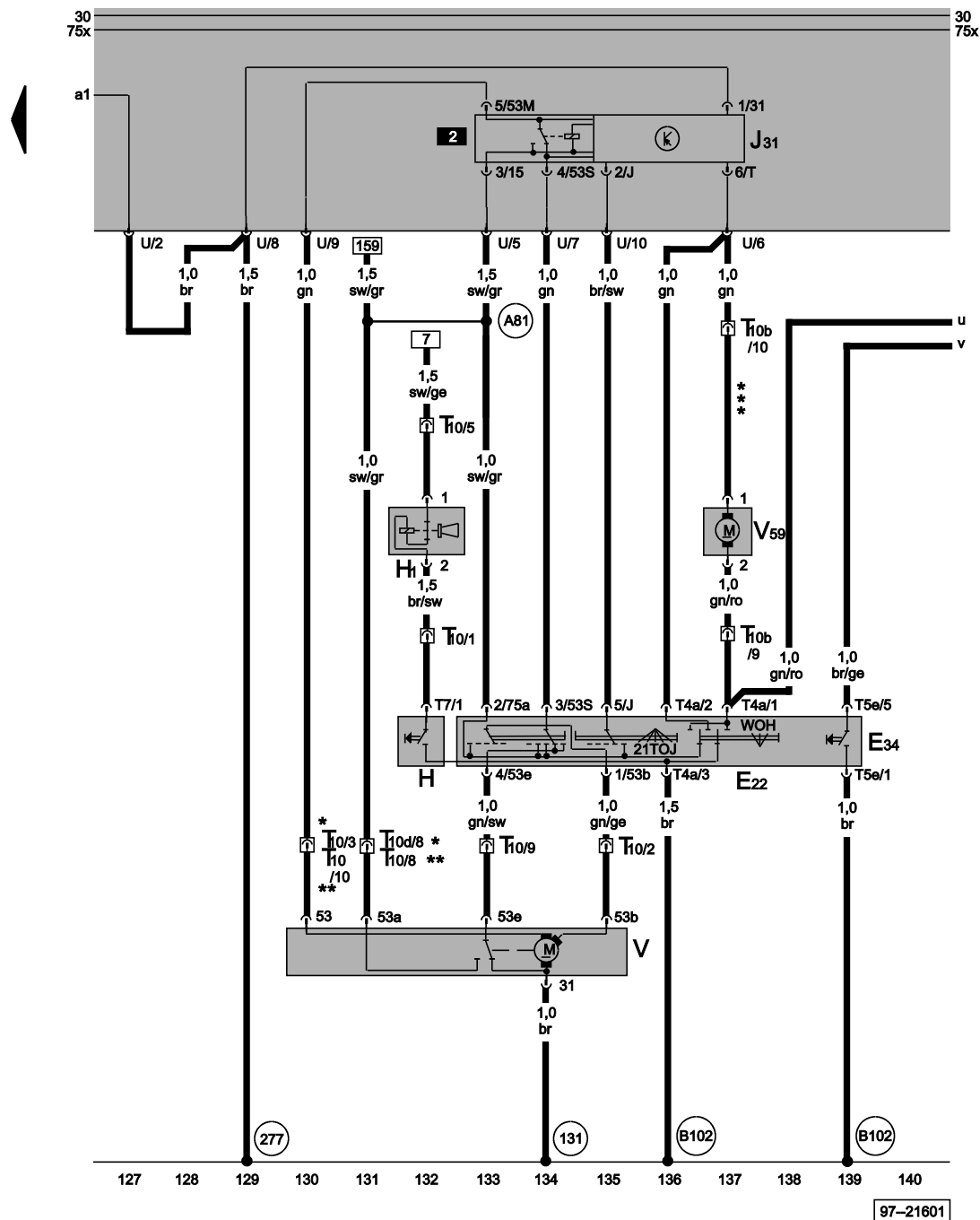
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<fo:exter Only petrol engine models with manual gearbox
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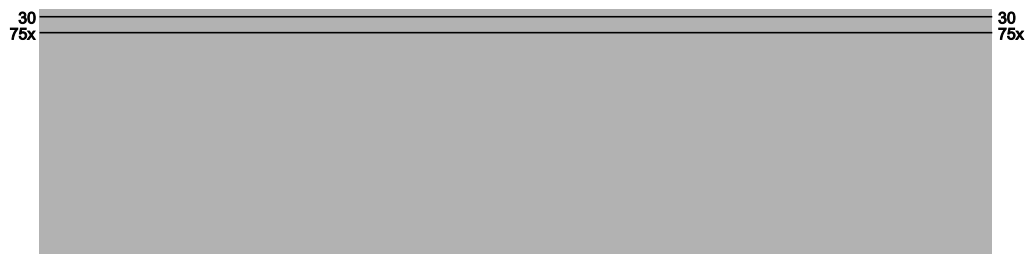
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Intermittent wiper switch, wiper motor, front and rear washer pump, intermittent wash and wipe relay, horn

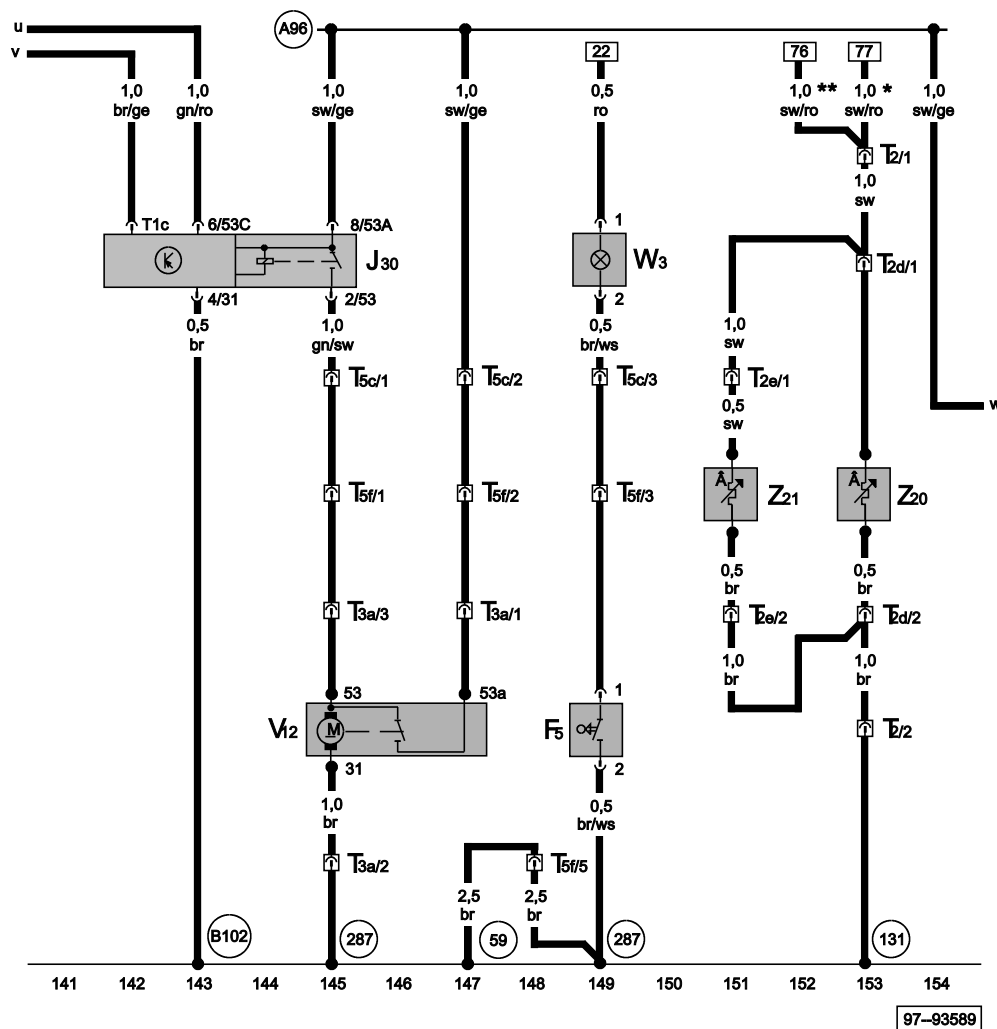
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- H Horn plate
- H1 Horn
- J31 Automatic intermittent wash and wipe relay
- T4a 4-pin connector, black, behind steering column switch trim
- T5e 5-pin connector, black, behind steering column switch trim
- T7 7-pin connector, black, behind steering column switch trim
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- V Windscreen wiper motor
- V59 Windscreen and rear window washer pump
- 131 Earth connection 2, in engine compartment wiring harness
- 277 Earth connection 3, in interior wiring harness
- A81 Connection 2 (X), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Not with headlight washer system



Rear window wiper motor, luggage compartment light, heater element for washer jet

- F5 Luggage compartment light switch
- J30 Rear window wiper and washer relay
- T1c Single connector, black, in rear wash and wipe system relay
- T2 2-pin connector, black, in left plenum chamber
- T2d 2-pin connector, black, on left on engine compartment lid
- T2e 2-pin connector, black, on right on engine compartment lid
- T3a 3-pin connector, black, in rear lid near wiper motor
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5f 5-pin connector, black, in rear lid
- V12 Rear window wiper motor
- W3 Luggage compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 59 Earth point, near left tail light
- 131 Earth connection 2, in engine compartment wiring harness
- 287 Earth connection, in rear lid feeder wiring harness
- A96 Connection (53a), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine



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Connection for radio, switch for heated rear window, cigarette lighter, loudspeaker, aerial, aerial amplifier

- E15 Heated rear window switch
- K10 Heated rear window warning lamp
- L39 Heated rear window switch illumination bulb
- R Radio
- R11 Aerial
- R24 Aerial amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- S19 Fuse on fuse holder
- S22 Fuse on fuse holder
- S223 Fuse on fuse holder
- S224 Fuse on fuse holder
- S225 Fuse on fuse holder
- S228 Fuse on fuse holder
- T1b Single connector, black, on lower part of left A-pillar
- T3e 3-connector, black, on lower part of left A-pillar
- T3f 3-pin connector, black
- T8 8-pin connector, black, on radio
- T8a 8-pin connector, brown, on radio
- U1 Cigarette lighter

76 Earth point, near selector mechanism

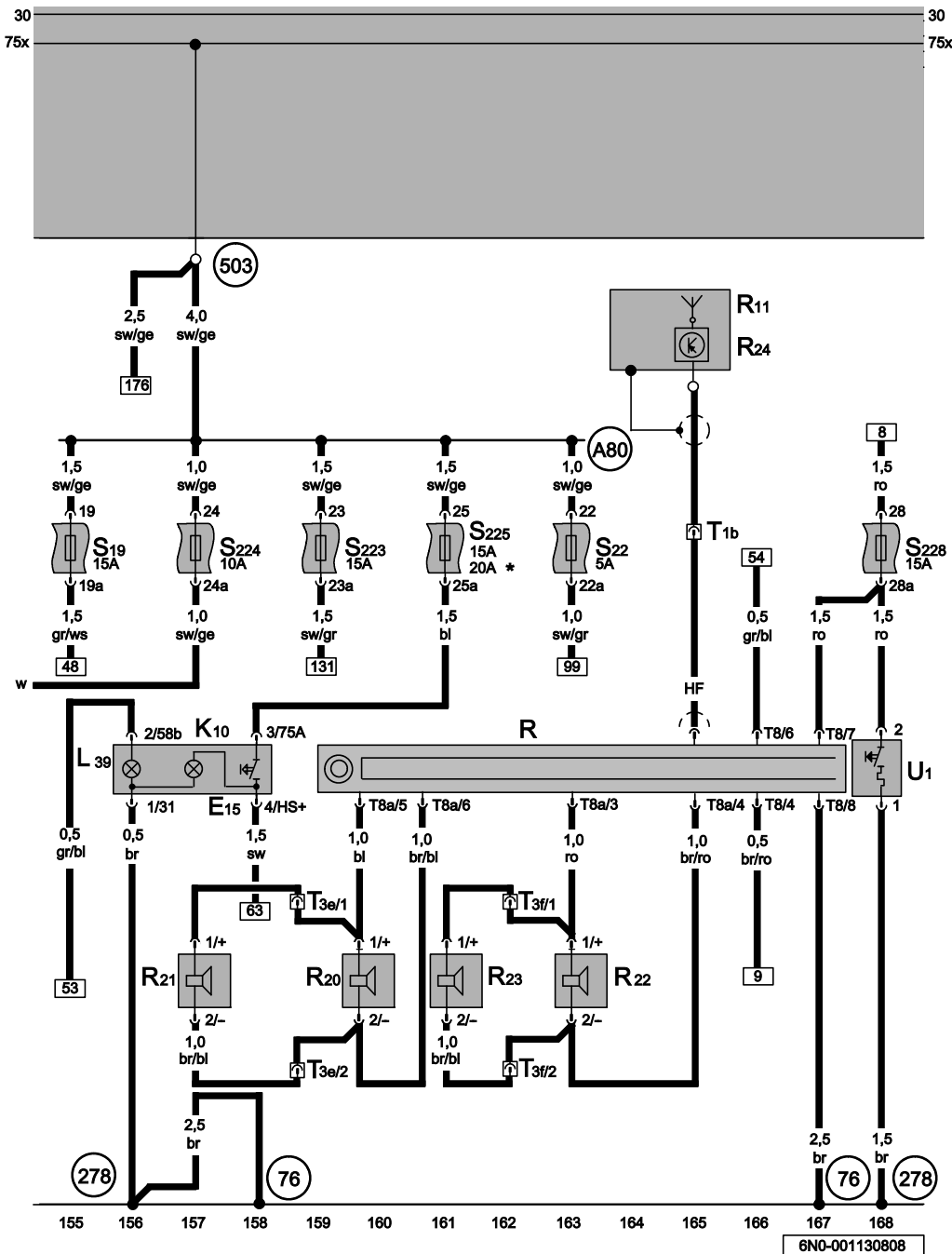
278 Earth connection 4, in interior wiring harness

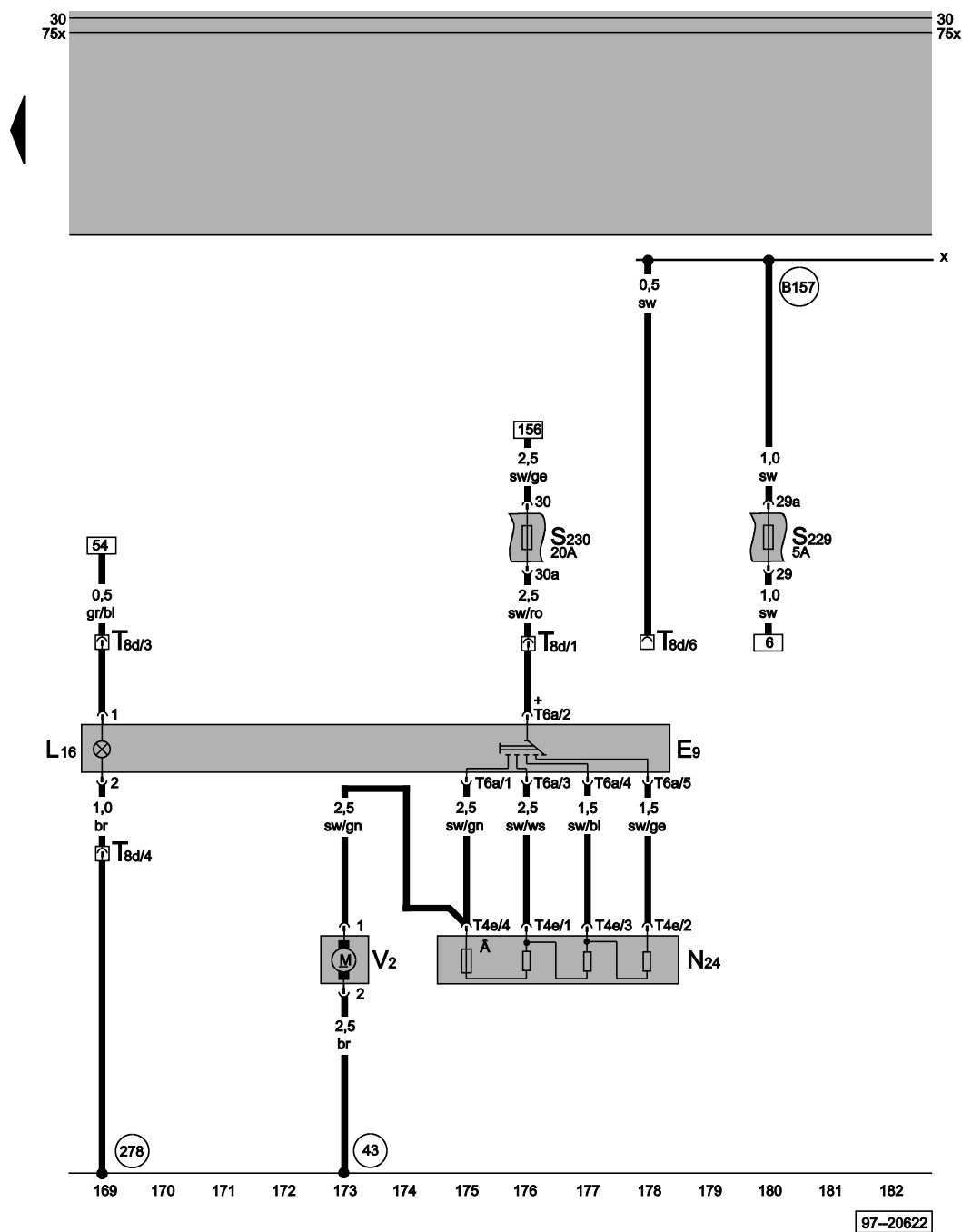
503 Screw connection (75x), on relay plate

A80 Connection 1 (X), in dash panel wiring harness

* From June 1997

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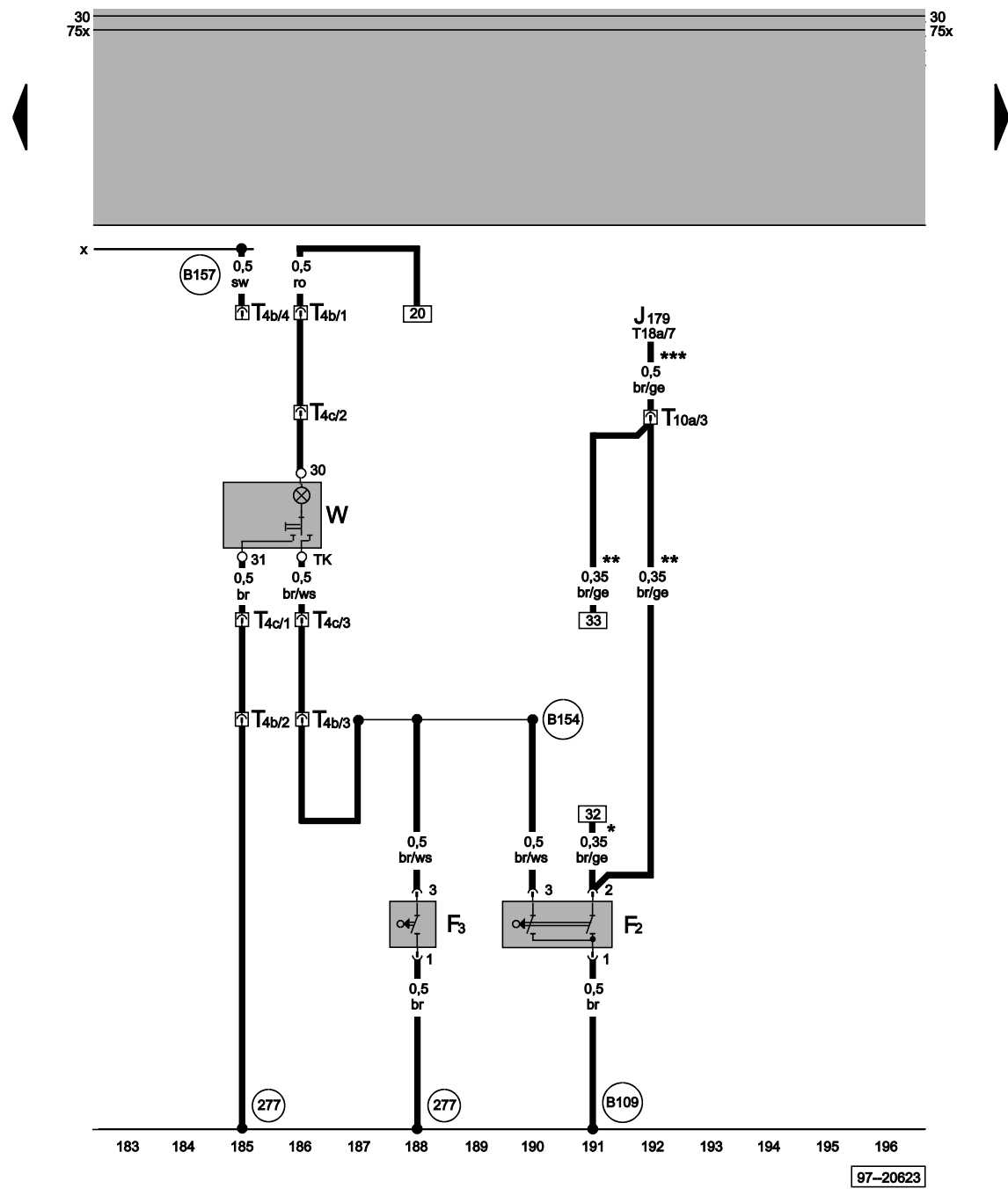




Fresh air blower, fresh air blower switch, fresh air/recirculated air flap positioning motor

- E9 Fresh air blower switch
- L16 Fresh air regulator illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- S229 Fuse on fuse holder
- S230 Fuse on fuse holder
- T4e 4-pin connector, black, on fresh air blower series resistor
- T6a 6-pin connector, black, on fresh air blower switch
- T8d 8-pin connector, black, behind dash panel
- V2 Fresh air blower

- 43 Earth point, lower part of right A-pillar
- 278 Earth connection 4, in interior wiring harness
- B157 Positive connection 3 (15a), in interior wiring harness

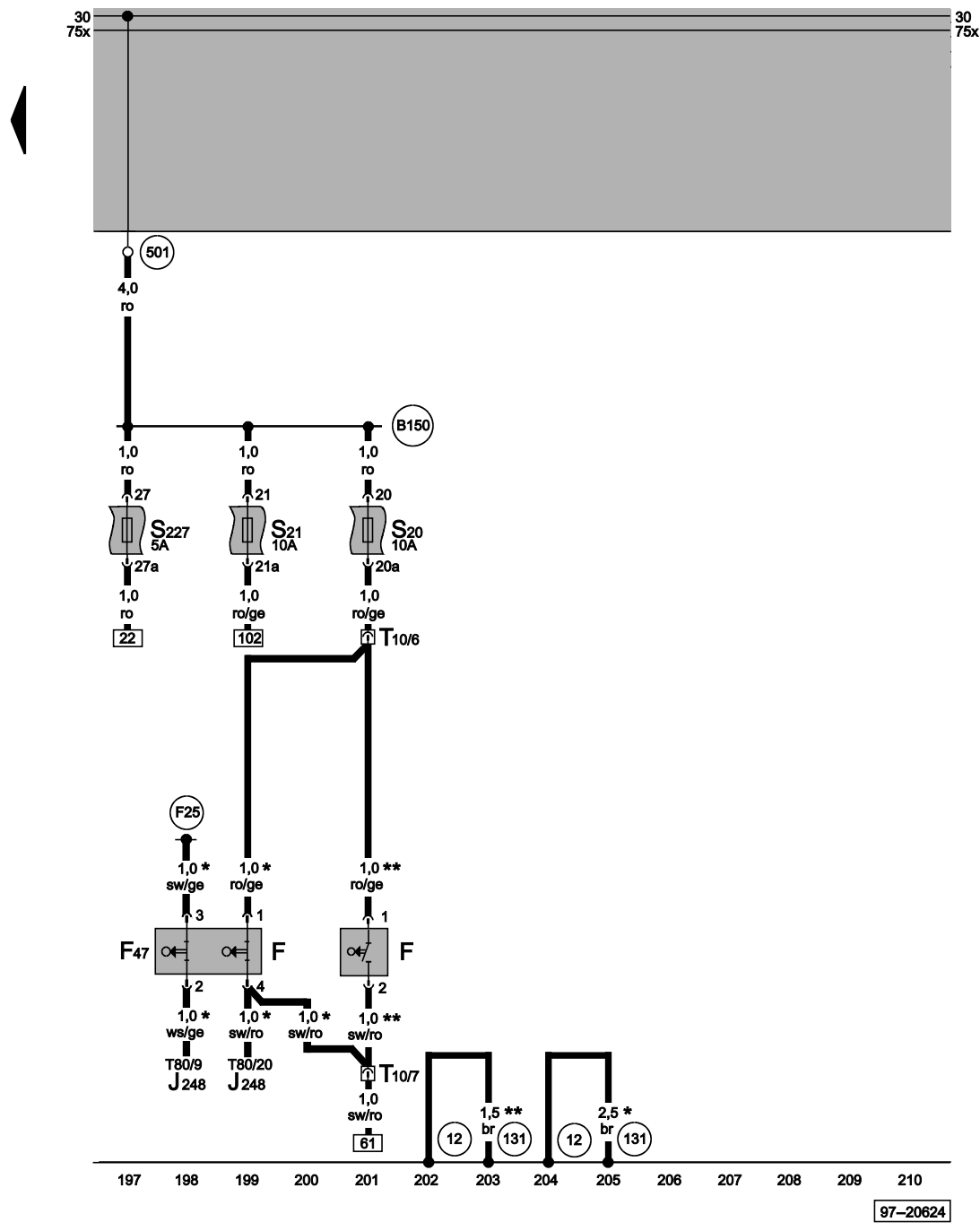


Interior light, door contact switch

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- J179 Automatic glow period control unit, above relay plate
- T4b 4-pin connector, black, on left behind dash panel
- T4c 4-pin connector, black, in interior light wiring harness
- T10a 10-pin connector, green, near relay station
- T18a 18-pin connector, black, on automatic glow period control unit
- W Front interior light

- 277 Earth connection 3, in interior wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B157 Positive connection 3 (15a), in interior wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Only engine code AEF



Brake light switch

- F Brake light switch (00526)
- F47 Brake pedal switch for diesel direct injection system
- J248 Diesel direct injection system control unit, on right in plenum chamber
- S20 Fuse on fuse holder
- S21 Fuse on fuse holder
- S227 Fuse on fuse holder
- T10 10-pin connector, white, near relay station
- T80 80-pin connector, black

- 12 Earth point, on left in engine compartment
- 131 Earth connection 3, in engine compartment wiring harness
- 501 Screw connection 2 (30), on relay plate
- B150 Positive connection 2 (30a), in interior wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness
- * Only engine codes AGD and AHG
- ** Only engine code AEF

1.9 l/47 kW - diesel engine, engine code AGD

From May 1996

1.7 l/42 kW - diesel engine, engine code AHG

From May 1996

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◆ Relay and fuse assignment

◆ Multi-pin connectors

◆ Control units and relays

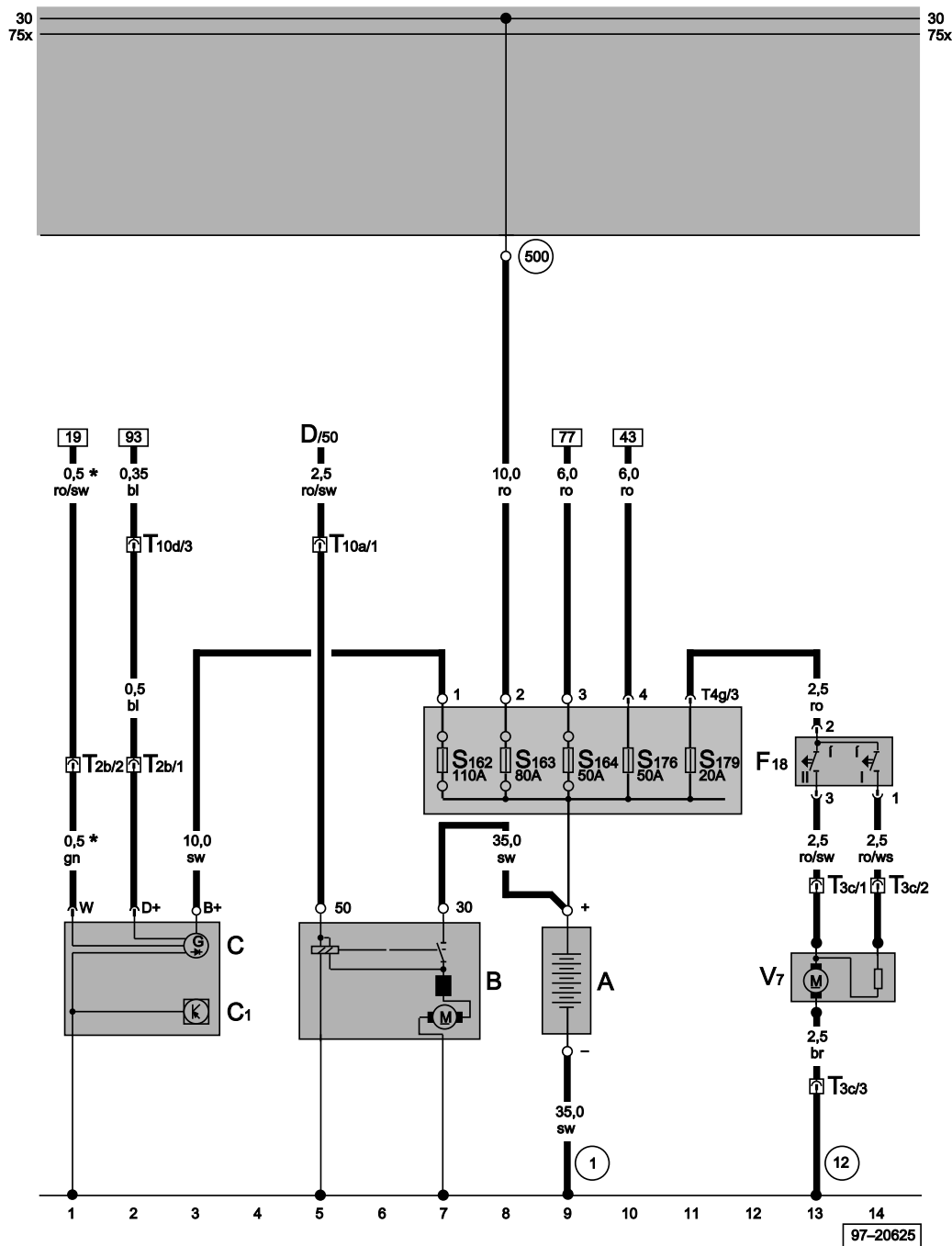
◆ Earth connections

⇒ Overview of Fitting Locations!

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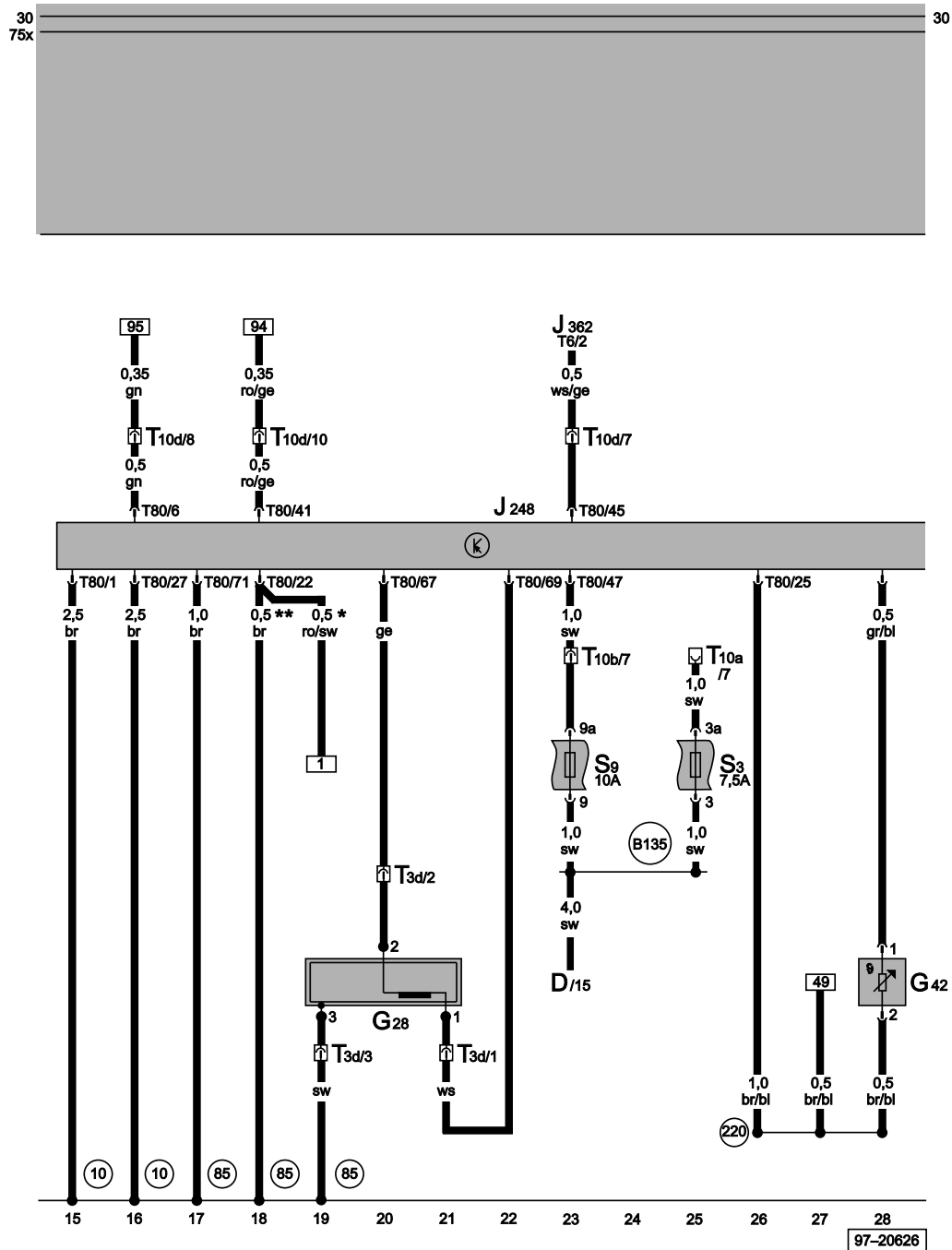


Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Thermal switch for radiator fan
- S162 Fuse 1 (30), on battery fuse holder
- S163 Fuse 2 (30), on battery fuse holder
- S164 Fuse 2 (30), on battery fuse holder
- S176 Fuse 4 (30), on battery fuse holder
- S179 Fuse 7 (30), on battery fuse holder
- T2b 2-pin connector, black, near starter
- T3c 3-pin connector, black, on radiator fan
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 500 Screw connection 1 (30), on relay plate
- * Only models with coolant heater element

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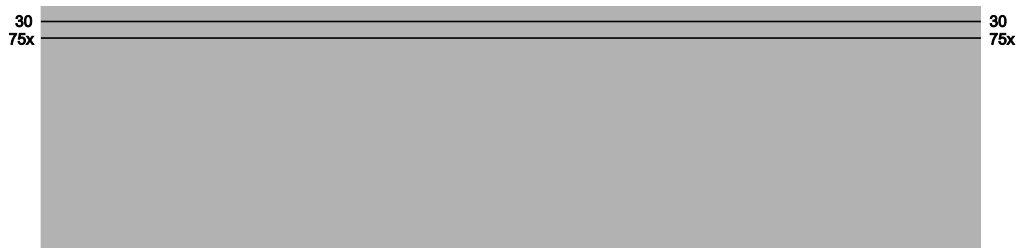
Diesel direct injection system control unit, engine speed sender, intake air temperature sender

- D Ignition/starter switch
- G28 Engine speed sender (00513)
- G42 Intake air temperature sender (00523)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J362 Immobilizer control unit, next to steering column
- S3 Fuse on fuse holder
- S9 Fuse on fuse holder
- T3d 3-pin connector, black, on left on cylinder head
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T80 80-pin connector, black

- 10 Earth point, in plenum chamber
- 85 Earth connection 1, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- B135 Connection (15a), in interior wiring harness

- * Only models with coolant heater element
- ** Not with coolant heater element

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Diesel direct injection system control unit, metering adjuster, needle lift sender, fuel temperature sender, modulating piston movement sender

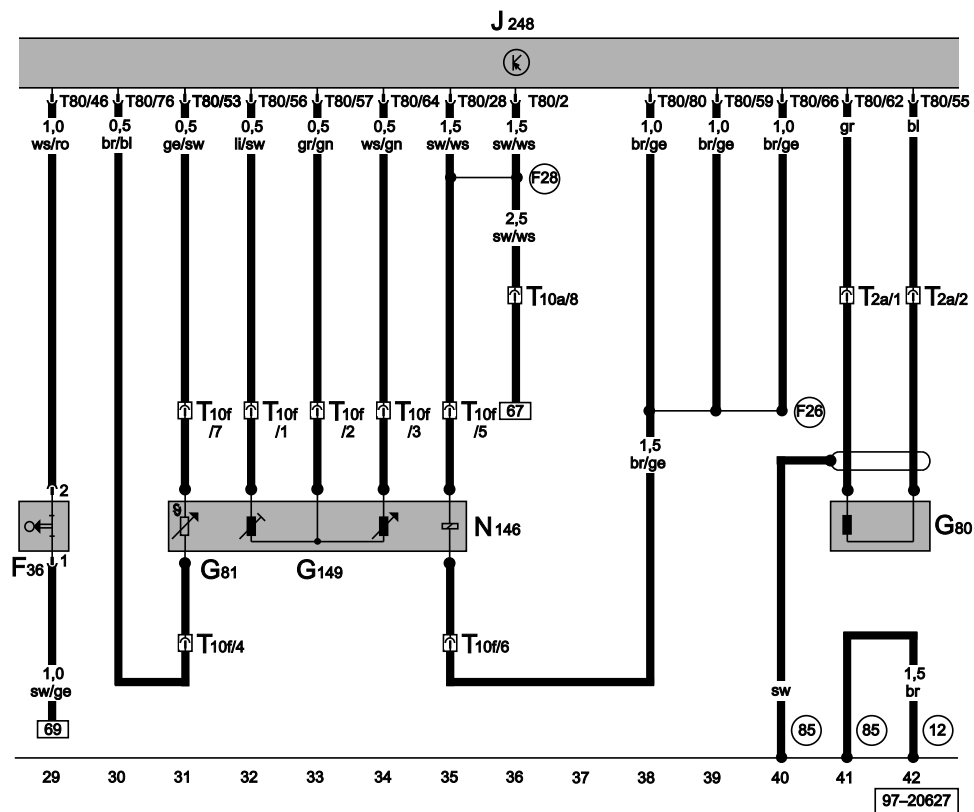
- F36 Clutch pedal switch (00650)
- G80 Needle lift sender (00542)
- G81 Fuel temperature sender (00539)
- G149 Modulating piston movement sender (00765)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- N146 Metering adjuster (01268)
- T2a 2-pin connector, brown, on left on cylinder head near injector pump
- T10a 10-pin connector, green, near relay station
- T10f 10-pin connector, black, on injection pump
- T80 80-pin connector, black

12 Earth point, on left in engine compartment

85 Earth connection 1, in engine compartment wiring harness

F26 Connection 2, in diesel direct injection system wiring harness

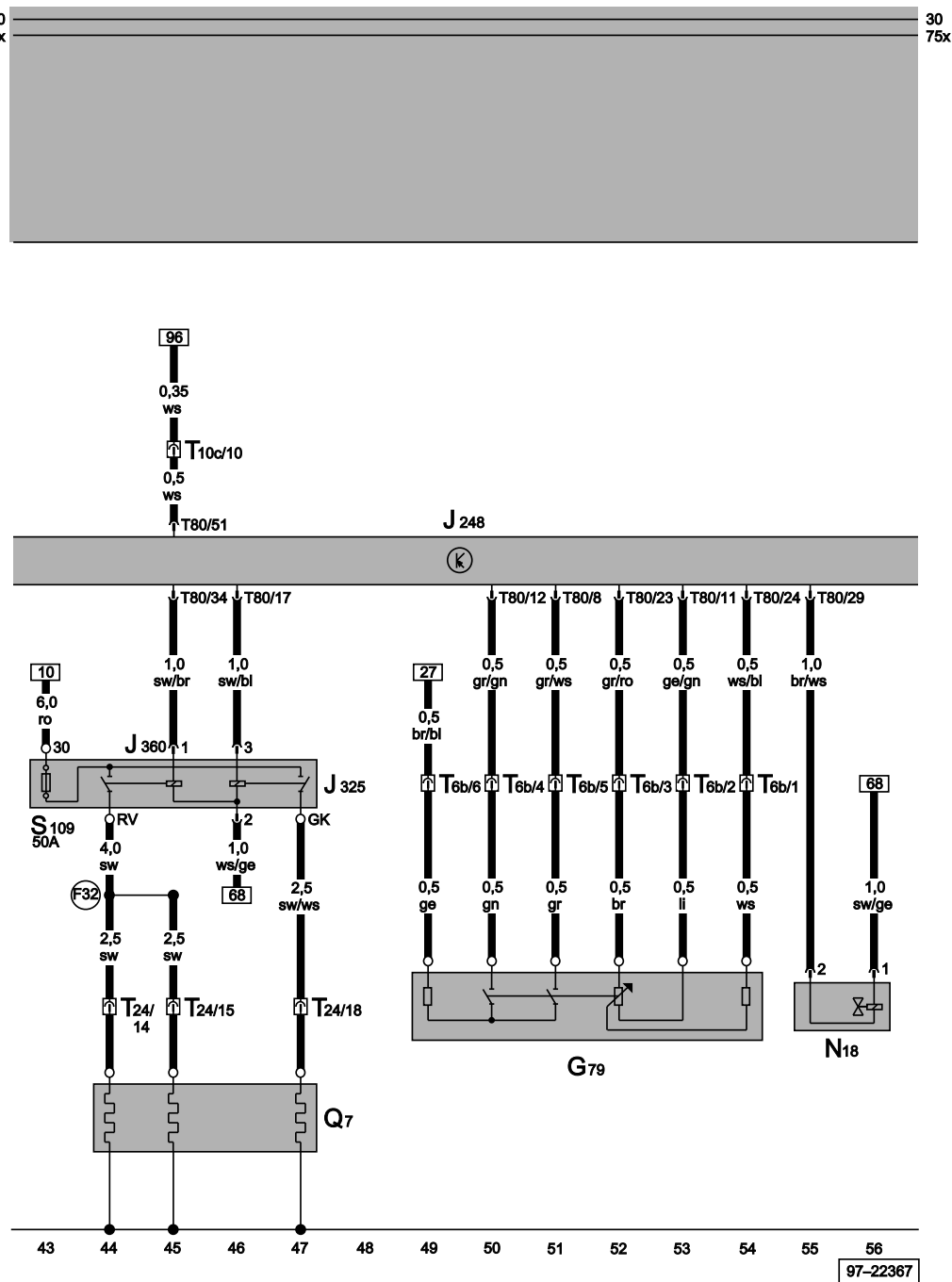
F28 Connection 3, in diesel direct injection system wiring harness



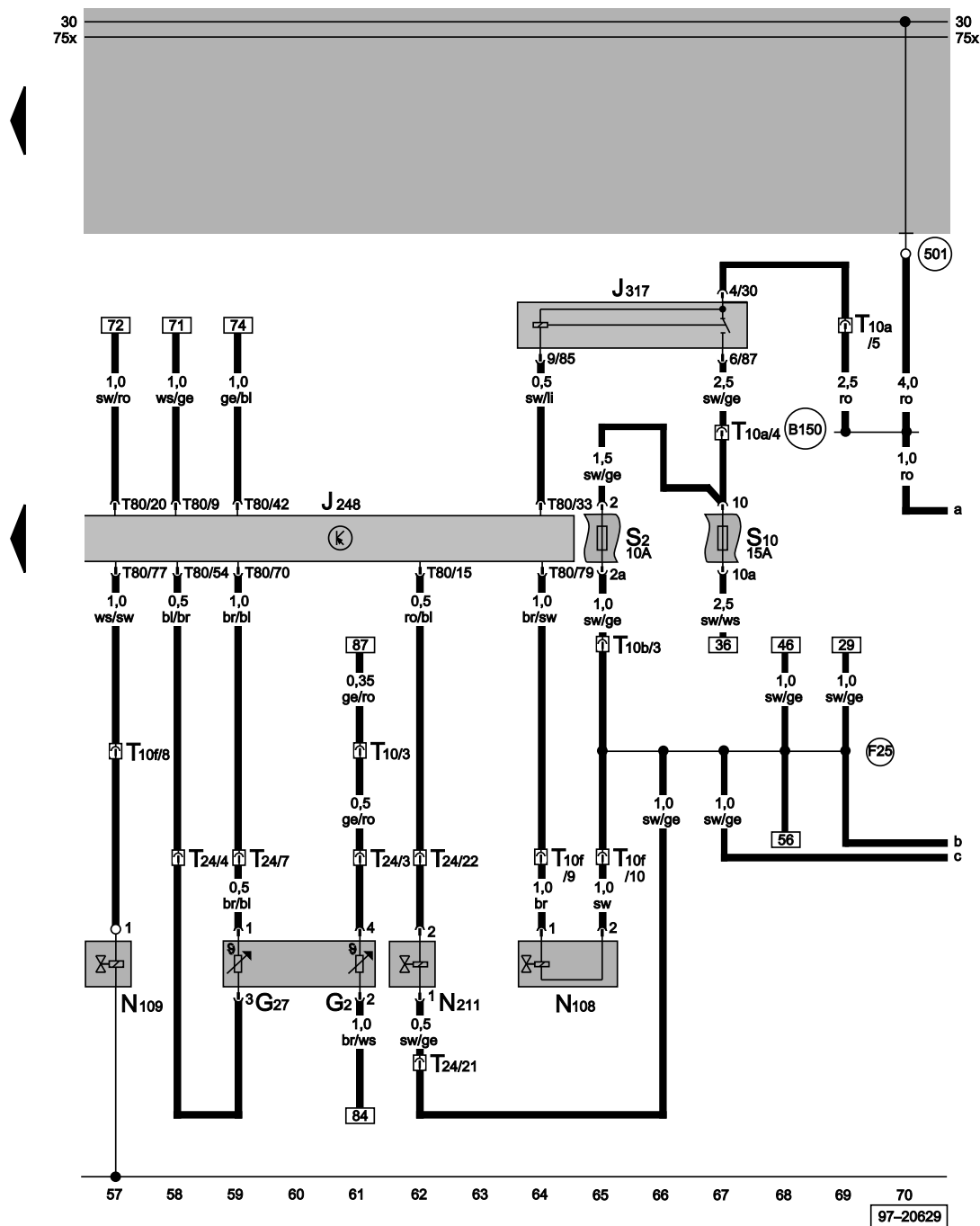
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Diesel direct injection system control unit, accelerator position sender, coolant heater element relay, coolant heater element, exhaust gas recirculation valve

- G79 Accelerator position sender (00777)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J325 Coolant heater element relay, on coolant circuit (01160)
- J360 High heat output relay, on centre of bulkhead (01194)
- N18 Exhaust gas recirculation valve (01265)
- Q7 Glow plugs, coolant
- S109 Glow plug fuse - (coolant)
- T6b 6-pin connector, black, behind relay plate
- T10c 10-pin connector, blue, near relay station
- T24 24-pin connector, black, on engine
- T80 80-pin connector, black
- F32 Connection (glow plugs, coolant) in diesel direct injection system wiring harness



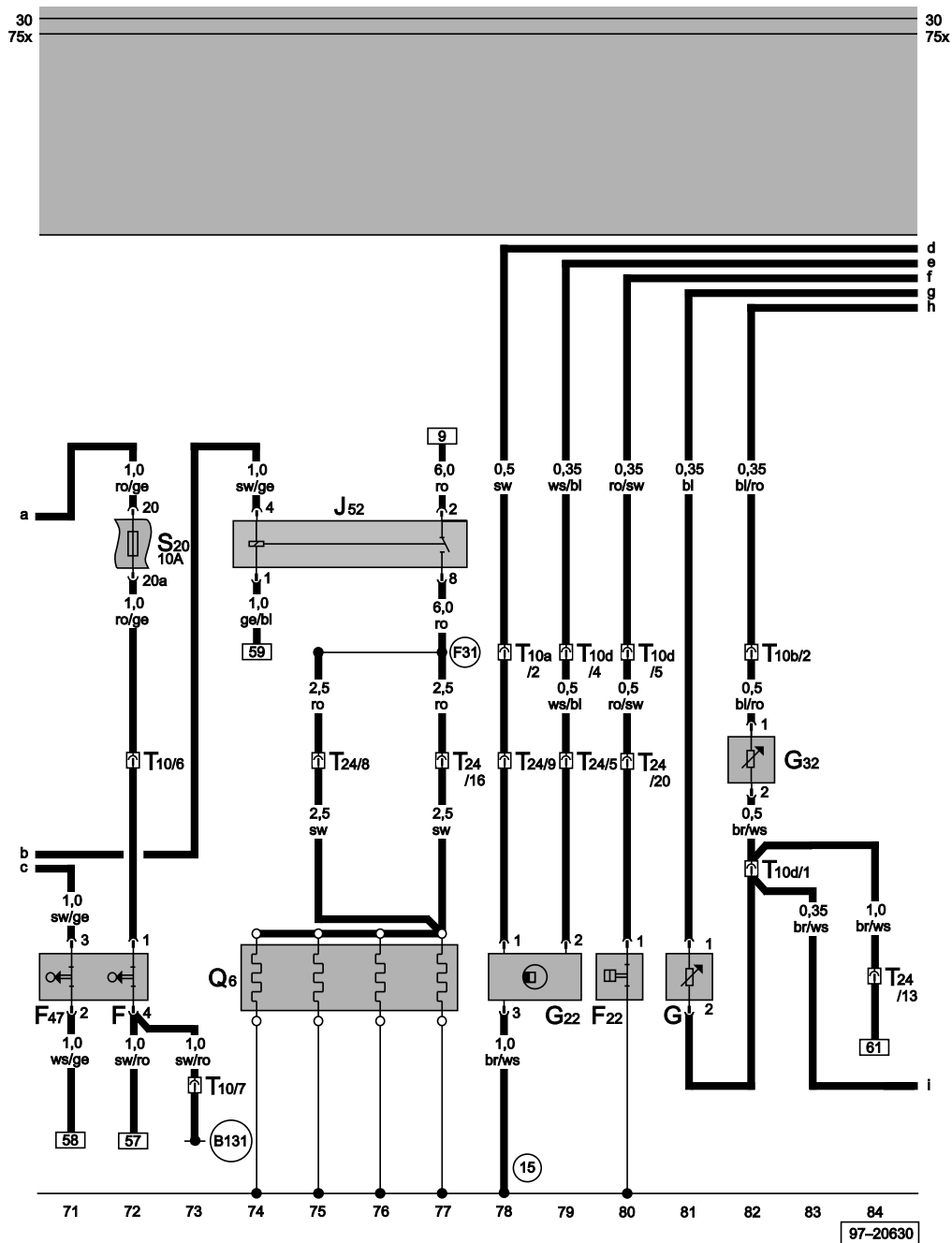
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Diesel direct injection system control unit, engine temperature sender, coolant temperature sender, fuel shut-off valve, terminal 30 voltage supply relay, commencement of injection valve, throttle valve module valve

- G2 Coolant temperature sender
- G27 Engine temperature sender (01204)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J317 Terminal 30 voltage supply relay, on relay carrier (01054)
- N108 Commencement of injection valve (01269)
- N109 Fuel shut-off valve (01237)
- N211 Throttle butterfly valve
- S2 Fuses on fuse holder
- S10 Fuses on fuse holder
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10f 10-pin connector, black, on injection pump
- T24 24-pin connector, black, on engine
- T80 80-pin connector, black
- 501 Screw connection 2 (30), on relay plate
- B150 Positive connection 2 (30a), in interior wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness

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

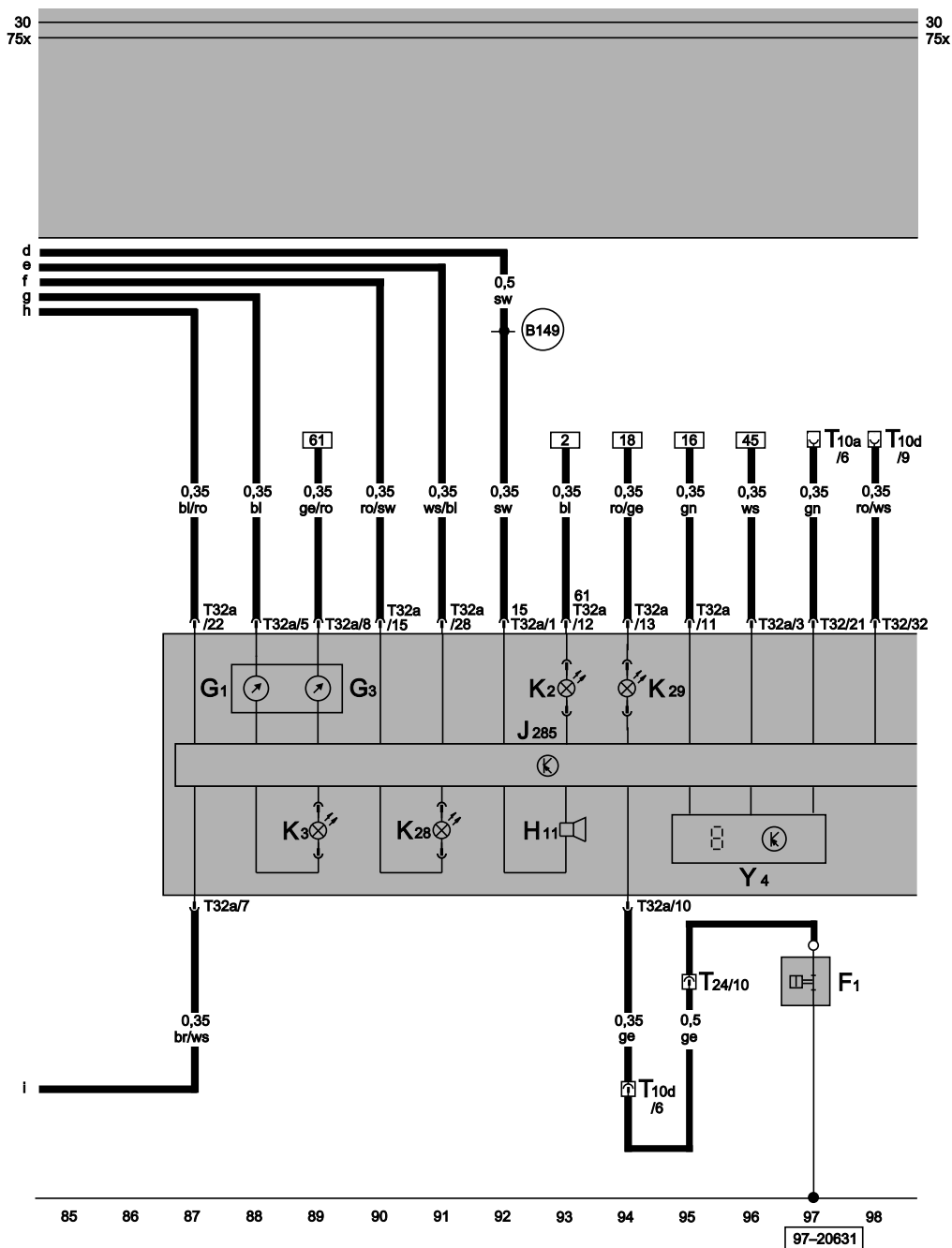


Brake light switch, speedometer sender, fuel gauge sender, coolant shortage indicator sender, engine glow plugs, oil pressure switch

- F Brake light switch (00526)
- F22 Oil pressure switch (0.3 bar) (00772)
- F47 Cruise control system brake pedal switch/diesel direct injection system (00629)
- G Fuel gauge sender
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- J52 Glow plug relay, near relay station (01266)
- Q6 Engine glow plugs
- S20 Fuses on fuse holder
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T24 24-pin connector, black, on engine

- 15 Earth point, on cylinder head
- B131 Connection (54), in interior wiring harness
- F31 Connection (engine glow plugs), in diesel direct injection system wiring harness

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



Dash panel insert, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustic oil pressure warning, odometer

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K29 Glow period warning lamp (00626)
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T24 24-pin connector, black, on engine
- T32 32-pin connector, black, on dash panel insert
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Trip counter

B149 Positive connection 2 (15a), in interior wiring harness

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

1.9 l/47 kW - naturally aspirated diesel engine, engine code AEF

From May 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

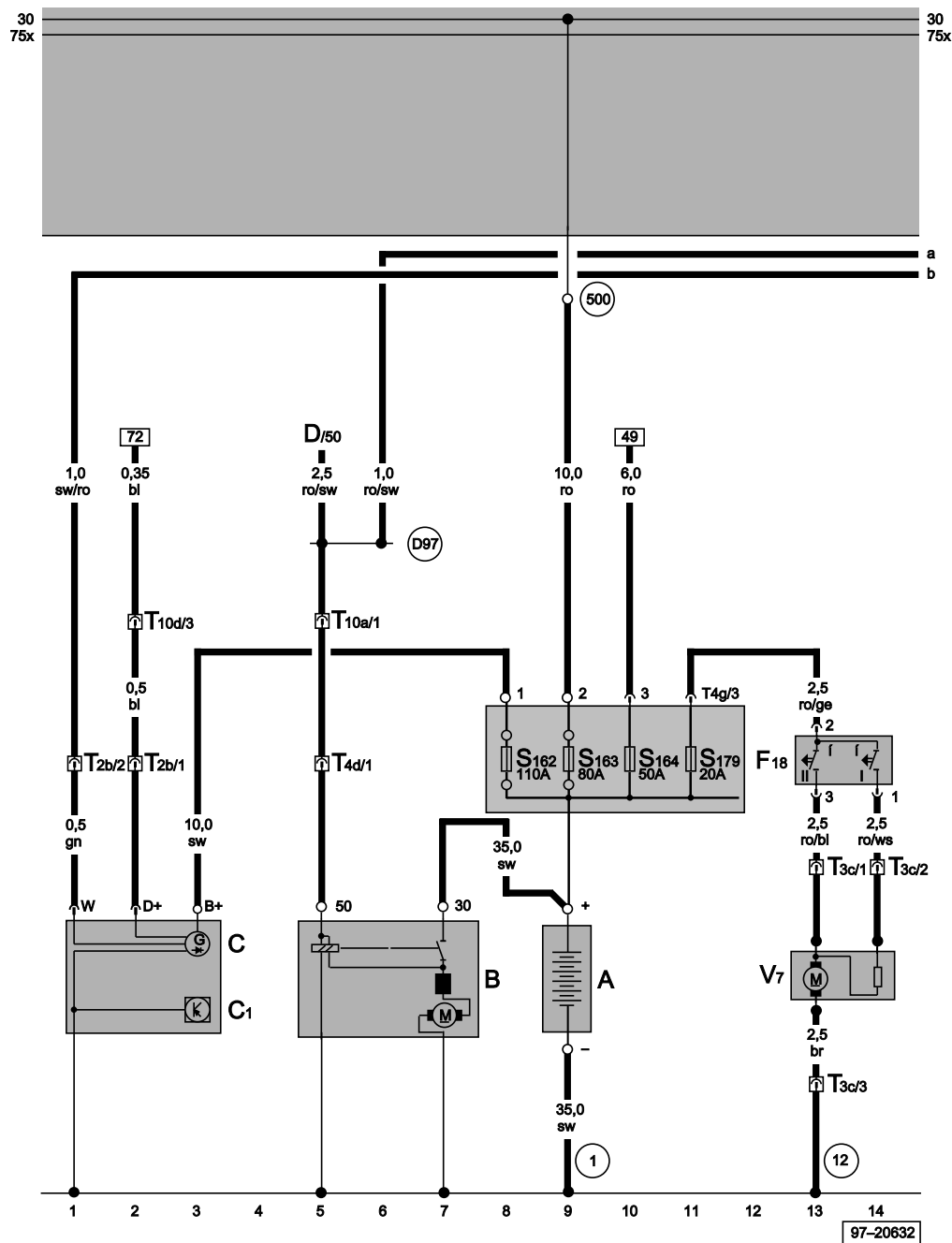
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding

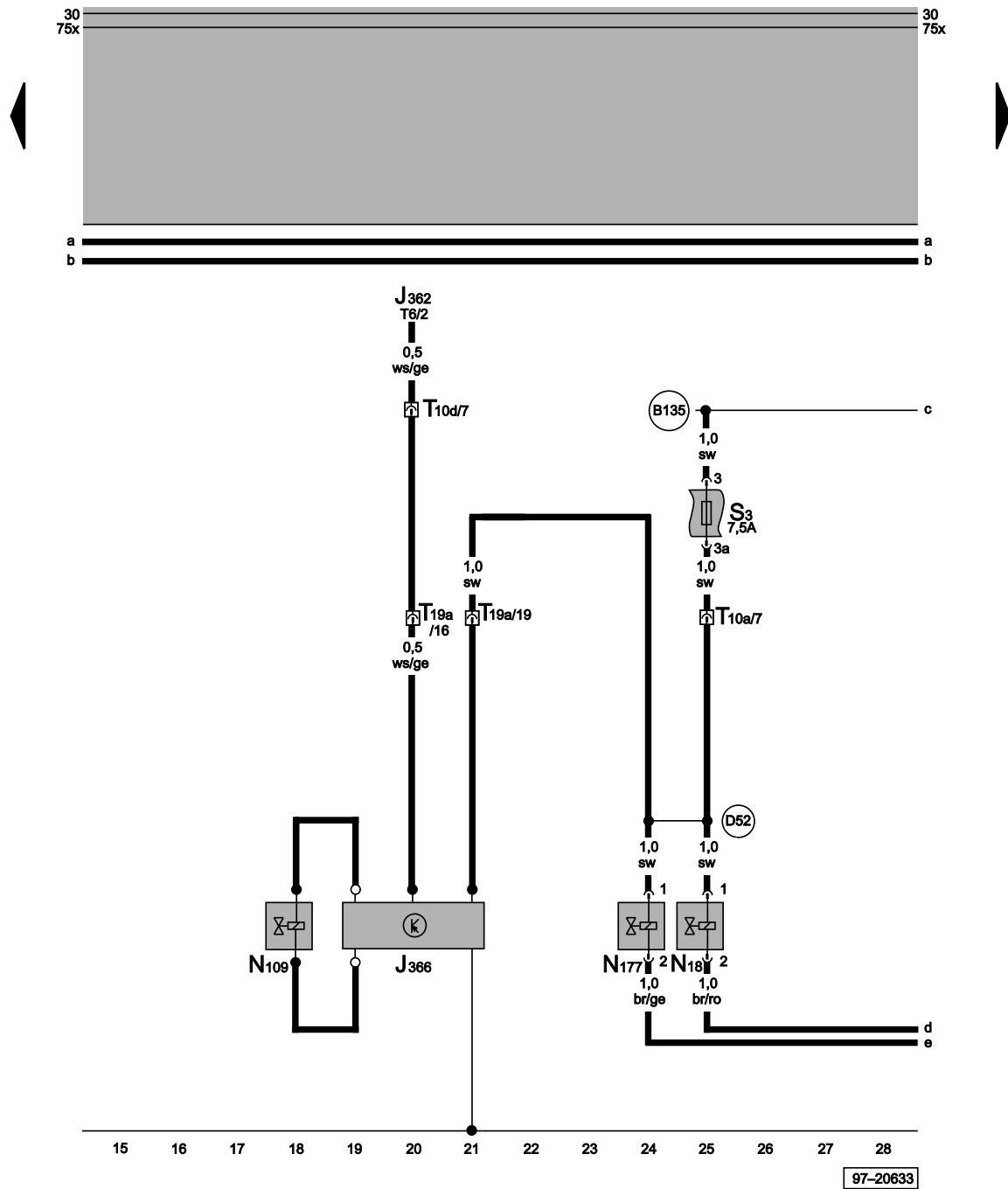


Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Thermal switch for radiator fan
- S162 Fuse 1 (30), on battery fuse holder
- S163 Fuse 2 (30), on battery fuse holder
- S164 Fuse 3 (30), on battery fuse holder
- S179 Fuse 7 (30), on battery fuse holder
- T2b 2-pin connector, black, near starter
- T3c 3-pin connector, black, on radiator fan
- T4d 4-pin connector, black, on gearbox
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 500 Screw connection 1 (30), on relay plate
- D97 Connection (50), in engine compartment right wiring harness

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

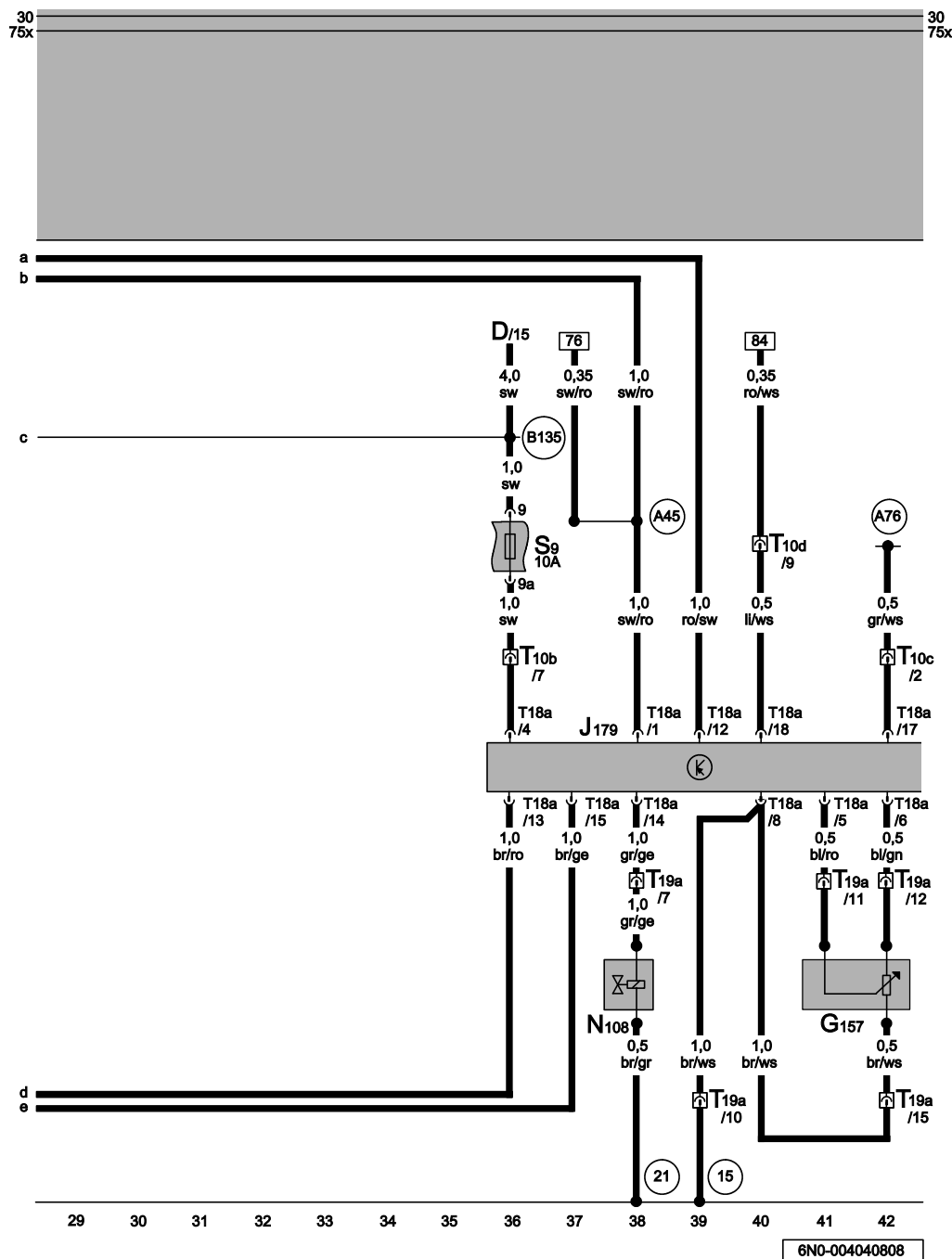


Idling speed boost valve, exhaust gas recirculation valve, fuel shut-off valve

- J362 Immobilizer control unit, next to steering column
- J366 Fuel shut-off valve control unit, on diesel injection pump
- N18 Exhaust gas recirculation valve (01265)
- N109 Fuel shut-off valve
- N177 Idling speed boost valve (01168)
- S3 Fuses on fuse holder
- T6 6-pin connector, black, on immobilizer control unit
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T19a 19-pin connector, black, on engine

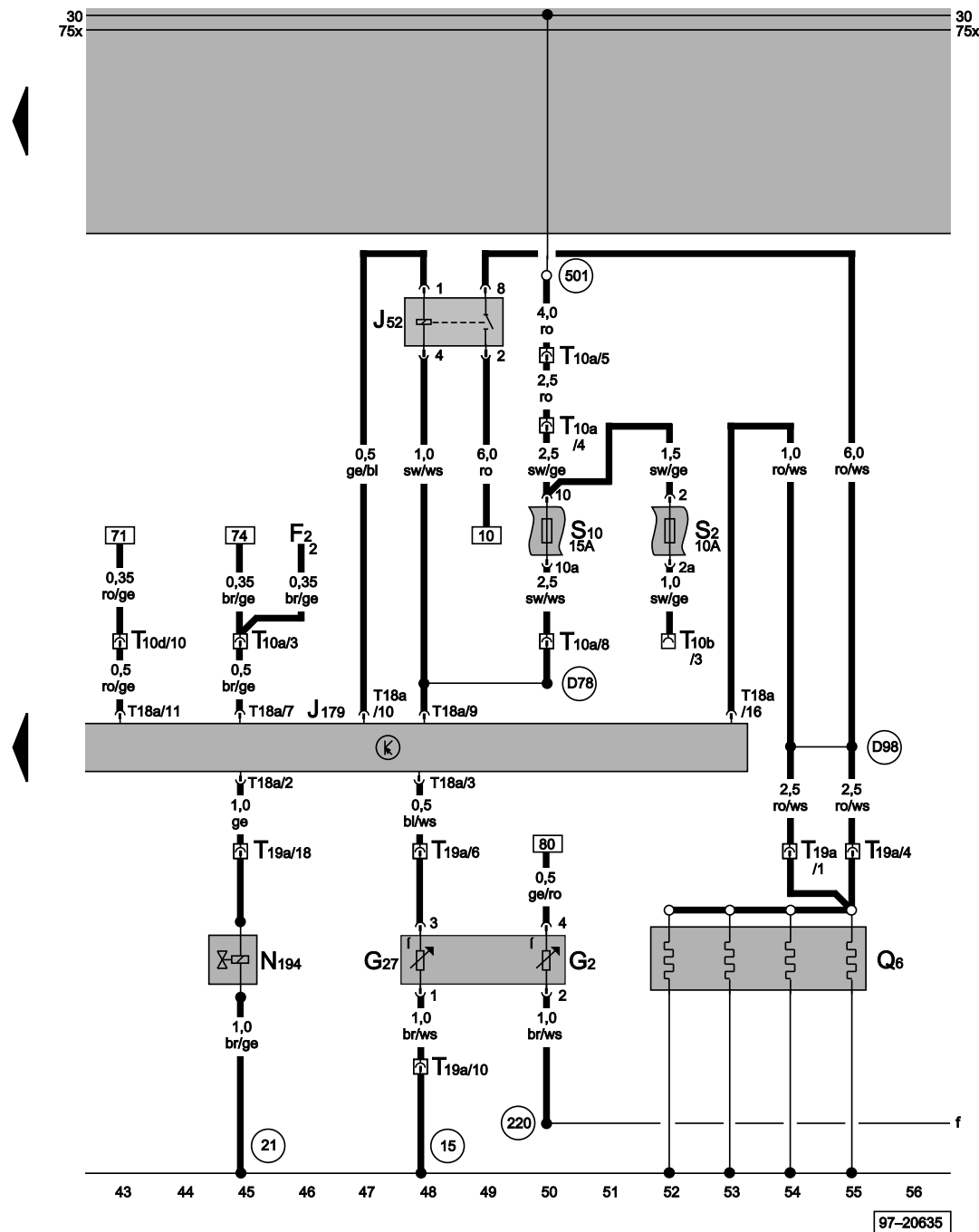
B135 Connection 1 (15a), in interior wiring harness

D52 Positive connection (15a), in engine compartment wiring harness



Automatic glow period control unit, commencement of injection valve, load signal potentiometer

- D Ignition/starter switch
- G157 Load signal potentiometer (01052)
- J179 Automatic glow period control unit, above relay plate
- N108 Commencement of injection valve (01269)
- S9 Fuses on fuse holder
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T18a 18-pin connector, black, on automatic glow period control unit
- T19a 19-pin connector, black, on engine
- 15 Earth point, on cylinder head
- 21 Earth point, near diesel injection pump
- A45 Connection (RPM signal), in dash panel wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness

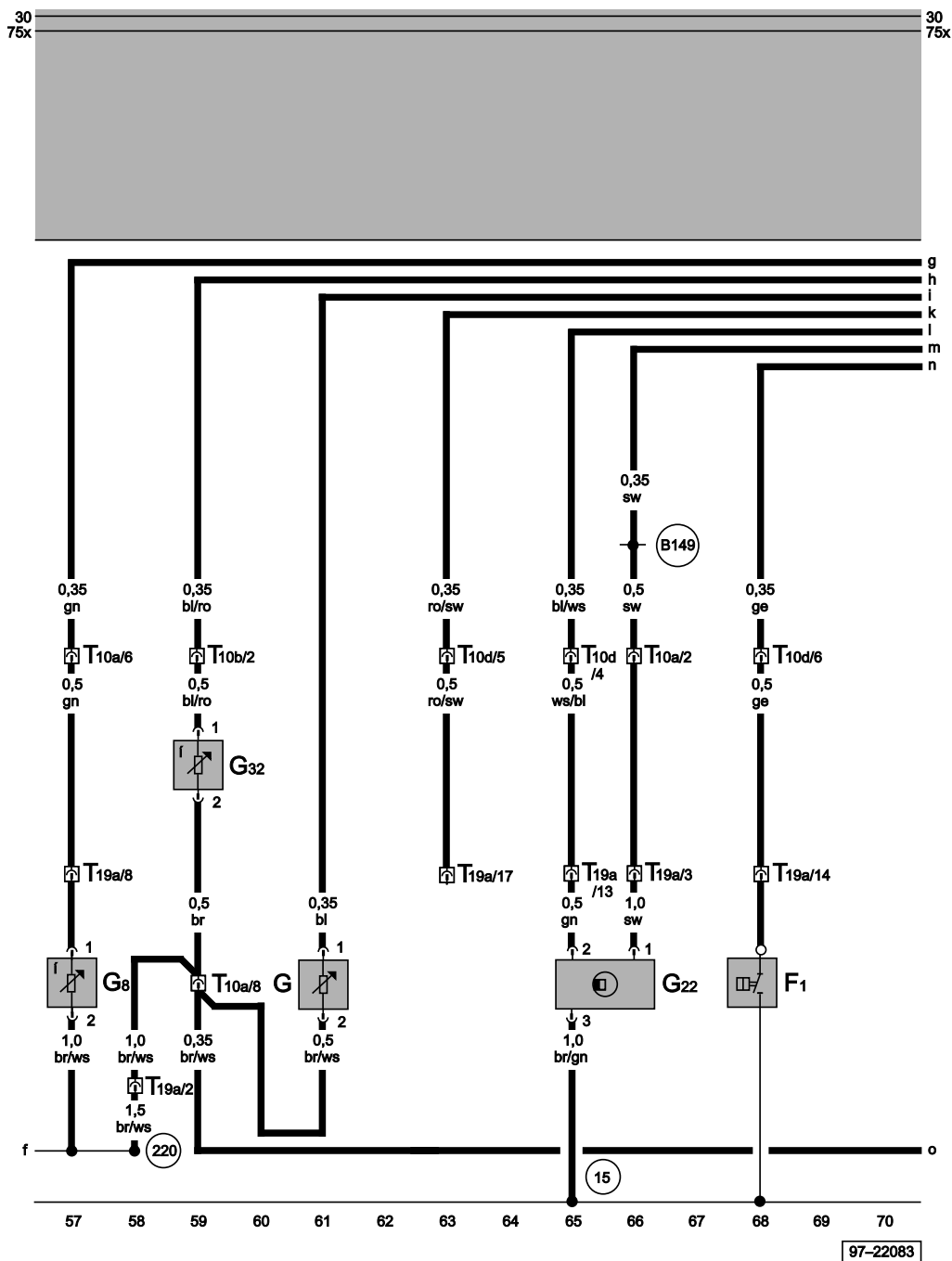


Automatic glow period control unit, engine temperature sender, coolant temperature sender, full load stop valve, glow plugs, glow plug relay

- | | |
|------|--|
| F2 | Driver door contact switch (01169) |
| G2 | Coolant temperature sender |
| G27 | Engine temperature sender (01204) |
| J52 | Glow plug relay, near relay station (01266) |
| J179 | Automatic glow period control unit, near above relay plate |
| N194 | Full load stop valve (01167) |
| Q6 | Glow plug |
| S2 | Fuses on fuse holder |
| S10 | Fuses on fuse holder |
| T10a | 10-pin connector, green, near relay station |
| T10b | 10-pin connector, black, near relay station |
| T10d | 10-pin connector, red, near relay station |
| T18a | 18-pin connector, black, on automatic glow period control unit |
| T19a | 19-pin connector, black, on engine |

- 15 Earth point, on cylinder head
- 21 Earth point, near diesel injection pump
- 220 Earth connection (sender earth), in engine wiring harness
- 501 Screw connection 2 (30), on relay plate
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- D98 Connection (glow plugs), in engine compartment wiring harness

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

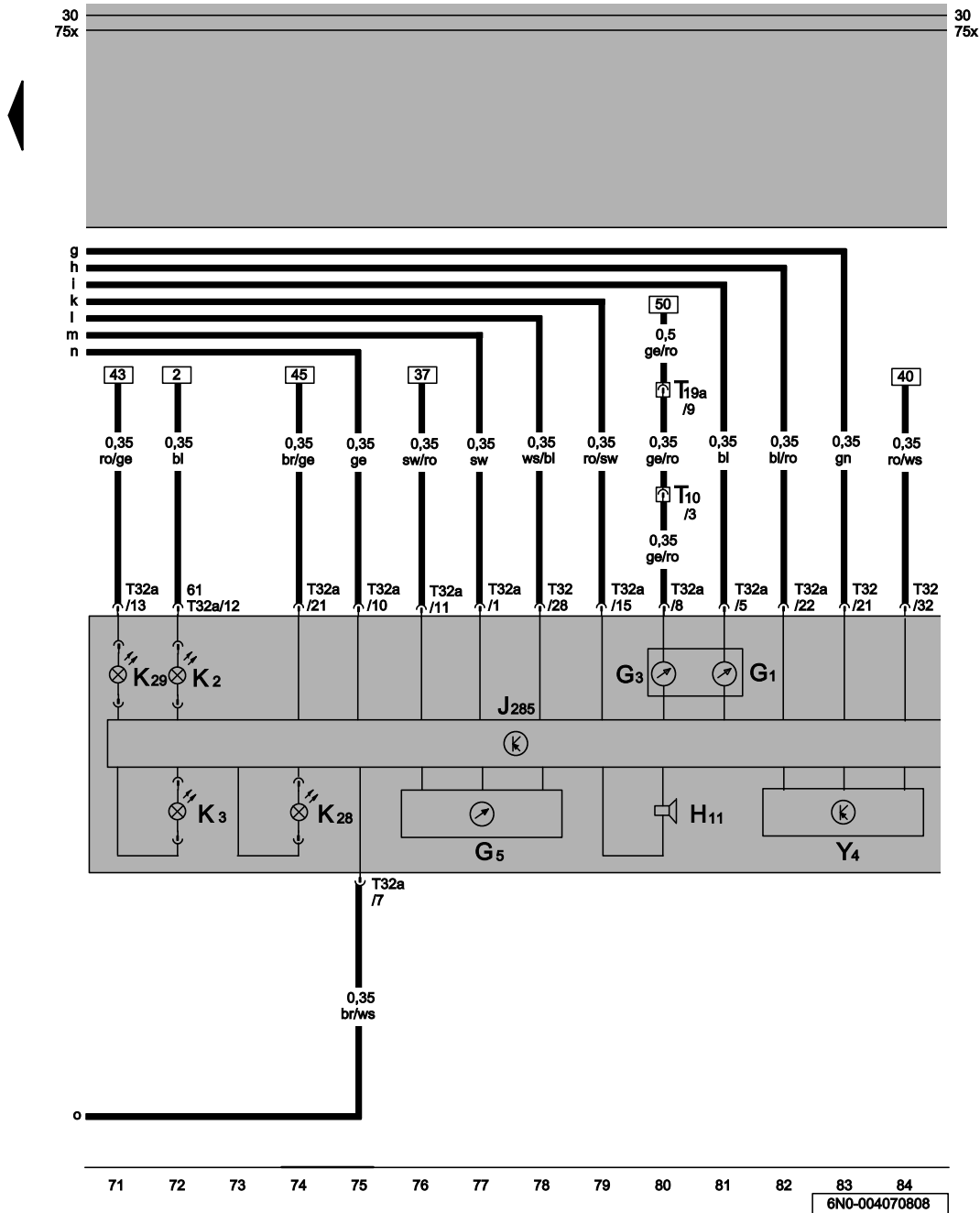


Coolant shortage indicator sender, fuel gauge sender, speedometer sender, oil temperature sender, oil pressure switch

- F1 Oil pressure switch
- G Fuel gauge sender
- G8 Oil temperature sender
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T19a 19-pin connector, black, on engine

- 15 Earth point, on cylinder head
- 220 Earth connection (sender earth), in engine wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness

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



Dash panel insert, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustic oil pressure warning, alternator warning lamp, glow period warning lamp, odometer

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K29 Glow period warning lamp (00626)
- T10 10-pin connector, white, near relay station
- T19a 19-pin connector, black, on engine
- T32 32-pin connector, black, on dash panel insert
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Trip counter

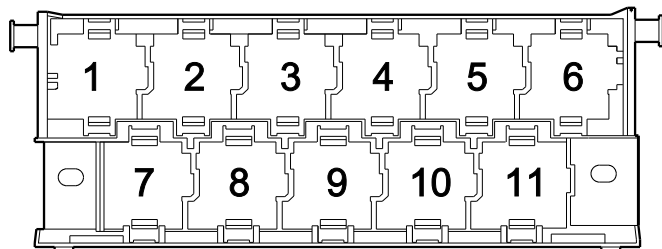
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

⇒ 1.4 litre Motronic/44 kW, engine codes AEX with automatic gearbox

⇒ 1.6 litre 1AV/55 kW, engine codes AEE with automatic gearbox

From May 1997

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

30 A - green

25 A - white

20 A - yellow

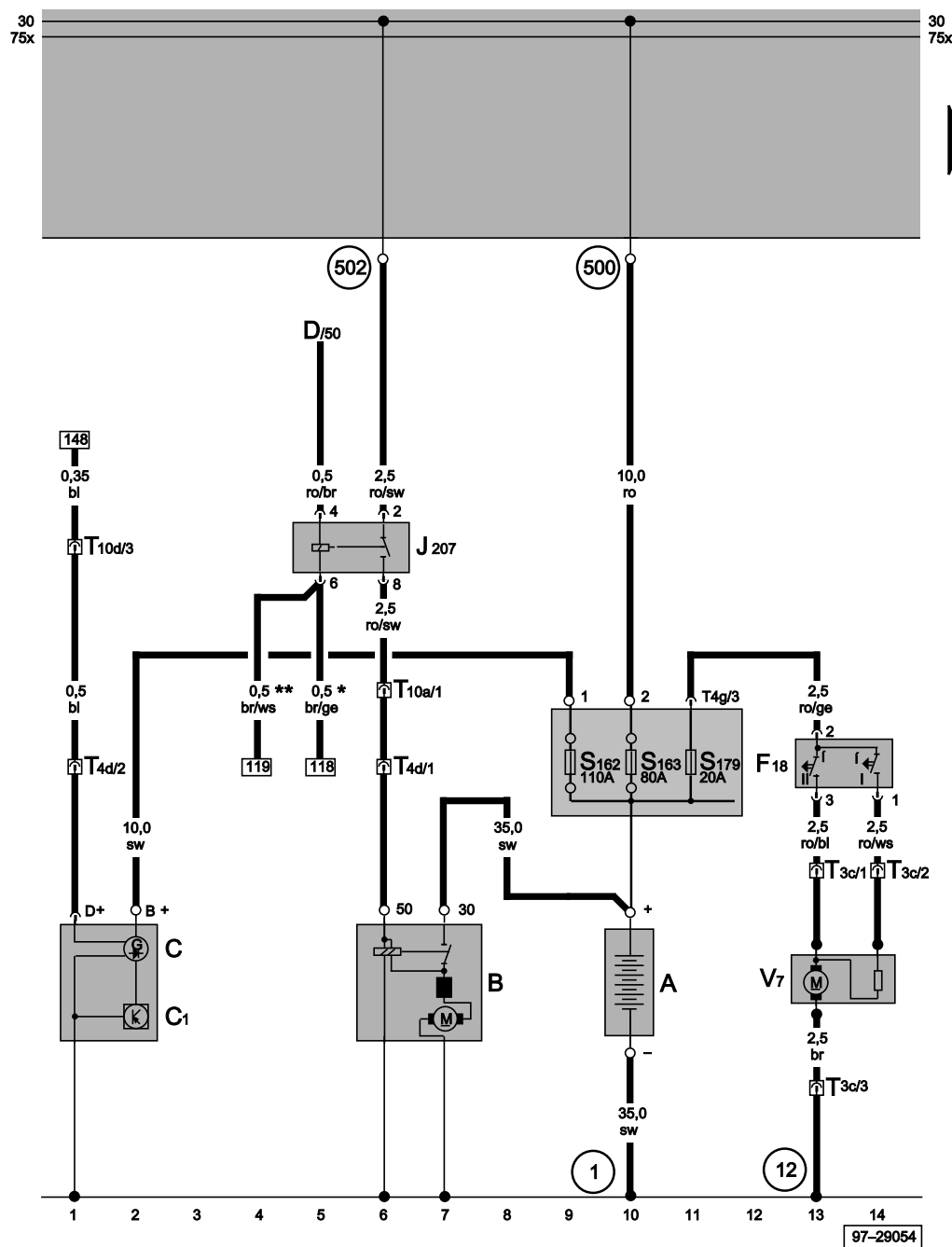
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - lilac



Battery, starter, alternator, radiator fan, starter inhibitor relay

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- J207 Starter inhibitor relay, next to relay plate
- S162 Fuse -1- (30), in battery fuse box
- S163 Fuse -2- (30), in battery fuse box
- S179 Fuse -7- (30), in battery fuse box
- T3c 3-pin connector, black, on radiator fan
- T4d 4-pin connector, black, on gearbox
- T4g 4-pin connector, black
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

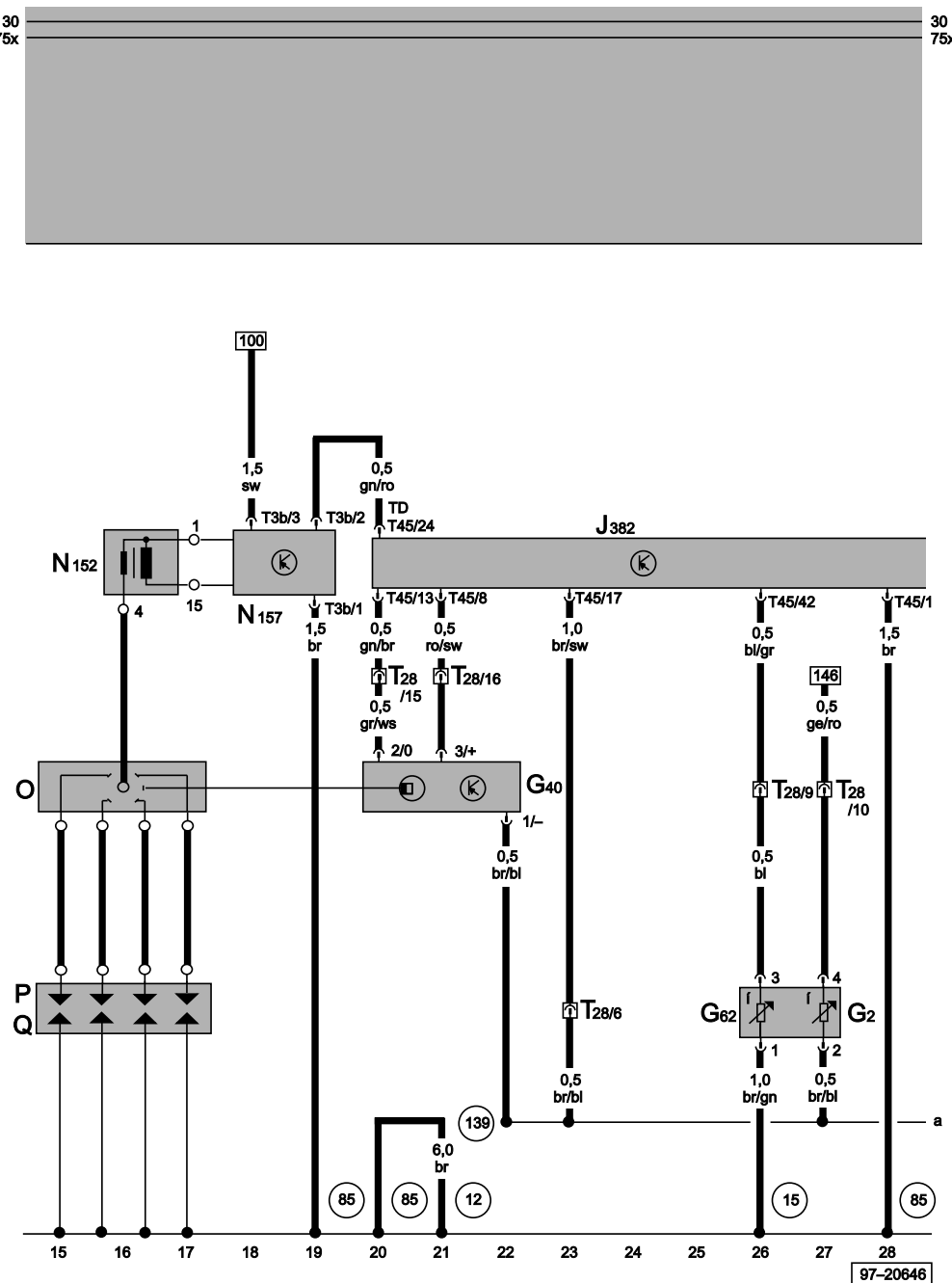
- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate
- 502 Screw connection -1- (30a), on relay plate
- * Left-hand drive only
- ** Right-hand drive only

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

1AV control unit (injection system), ignition system, Hall sender, coolant temperature sender

- G2 Coolant temperature sender
- G40 Hall sender
- G62 Coolant temperature sender
- J382 1AV control unit (injection system), right in plenum chamber
- N152 Ignition transformer
- N157 Ignition transformer output stage
- O Ignition distributor
- P Spark plug connector
- Q Flame plug
- T3b 3-pin connector, black, on ignition transformer output stage
- T28 28-pin connector, black, on engine
- T45 45-pin connector, black

- 12 Earth point, in engine compartment, left
- 15 Earth point, on cylinder head
- 85 Earth connection -1-, in engine compartment wiring harness
- 139 Earth connection (sender earth), in Motronic wiring harness



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

30
75x

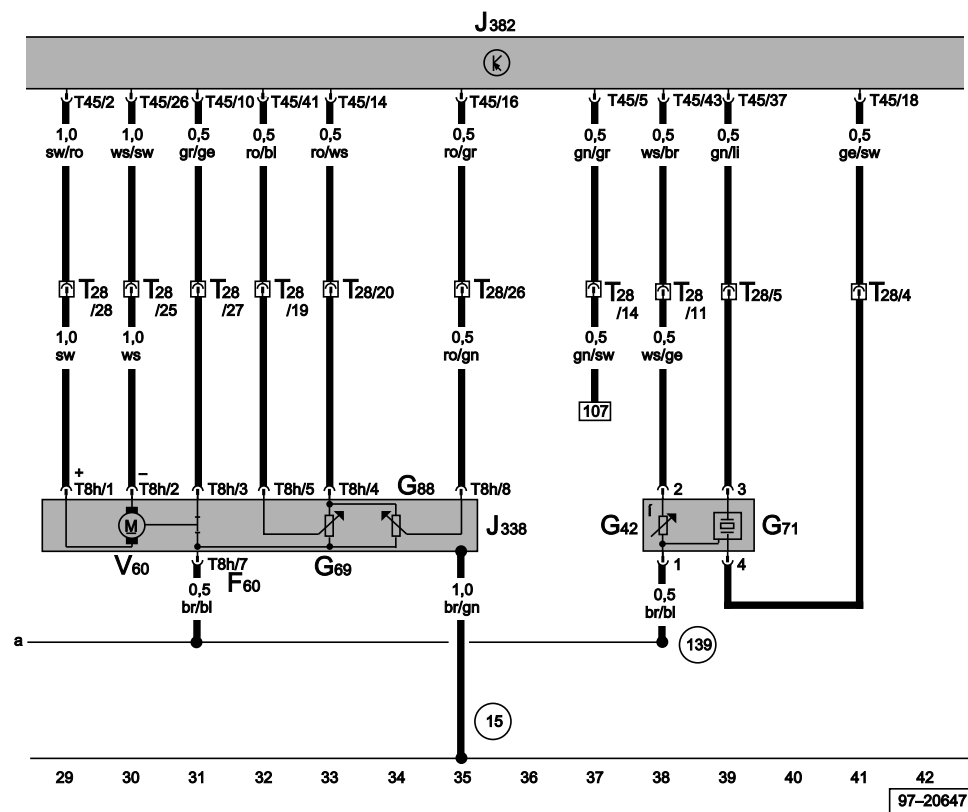
30
75x

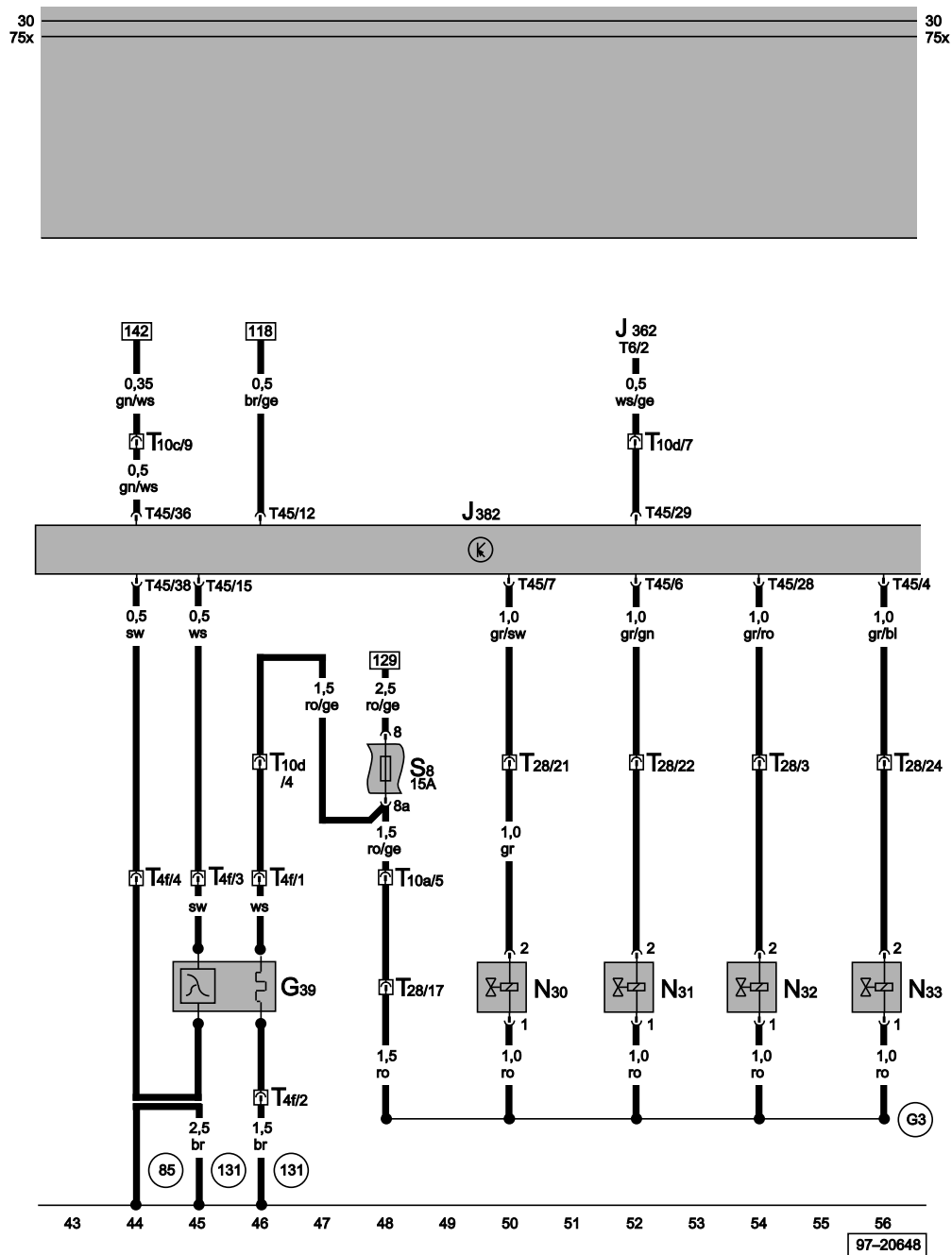
1AV control unit (injection system), throttle valve control part, intake air temperature sender, intake manifold pressure sender

- F60 Idling switch
- G42 Intake air temperature sender
- G69 Throttle valve potentiometer
- G71 Intake manifold pressure sender
- G88 Throttle valve positioner potentiometer
- J338 Throttle valve control unit, near intake manifold
- J382 1AV control unit (injection system), right in plenum chamber
- T8h 8-pin connector, black, on throttle valve control unit
- T28 28-pin connector, black, on engine
- T45 45-pin connector, black
- V60 Throttle valve positioner

15 Earth point, on cylinder head

139 Earth connection (sender earth), in Motronic wiring harness





1AV control unit (injection system), injectors, Lambda probe

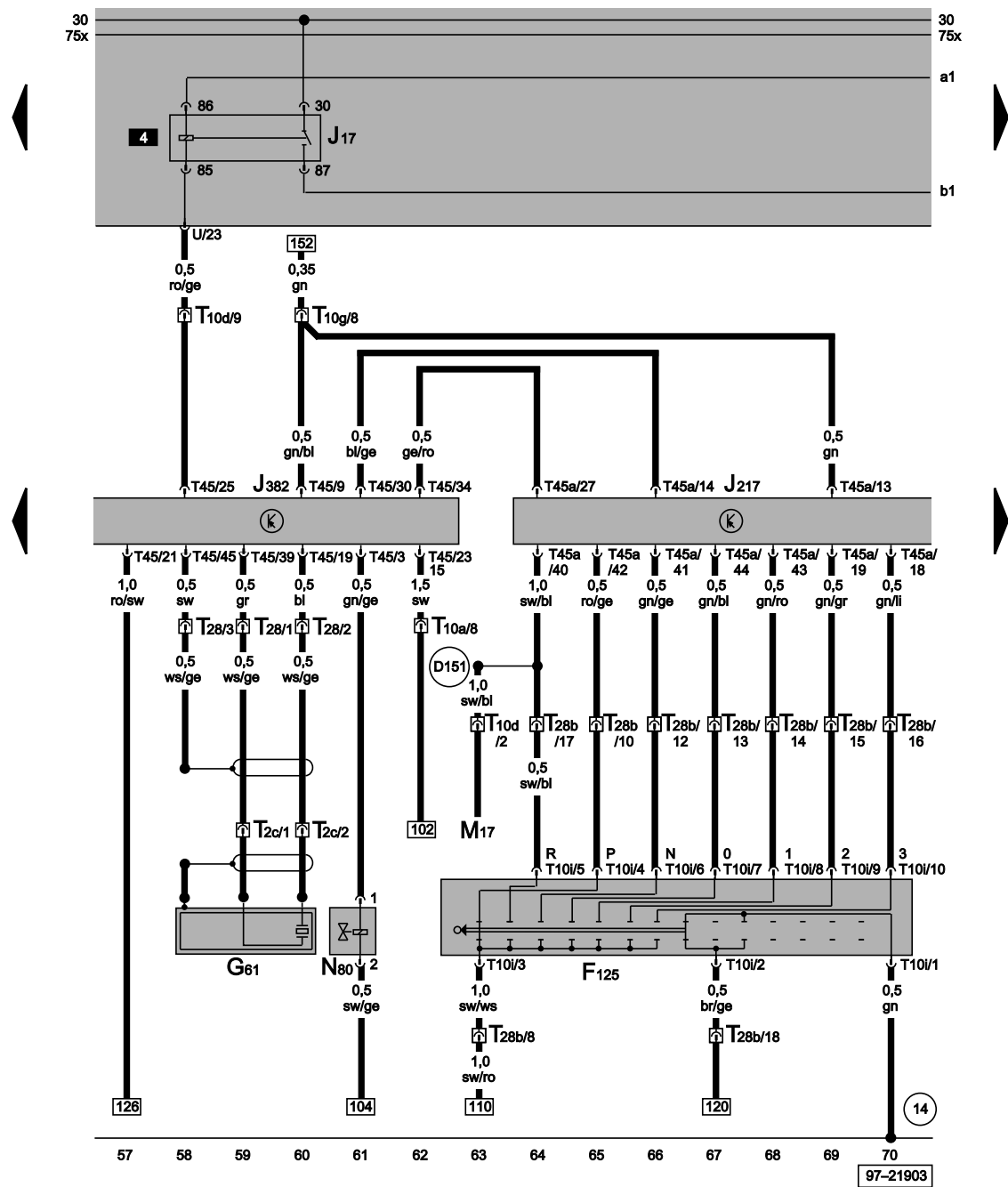
- G39 Lambda probe
- J362 Immobilizer control unit, next to steering column
- J382 1AV control unit (injection system), right in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- S8 Fuse in relay plate fuse box
- T4f 4-pin connector, black, on gearbox
- T6 6-pin connector, black, on immobilizer control unit
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T28 28-pin connector, black, on engine
- T45 45-pin connector, black

85 Earth connection -1-, in engine compartment wiring harness

131 Earth connection -3-, in engine compartment wiring harness

G3 Positive (+) connection in cable sleeve - injectors

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



1AV control unit (injection system), knock sensor, activated charcoal filter system, automatic gearbox control unit, multi-function switch

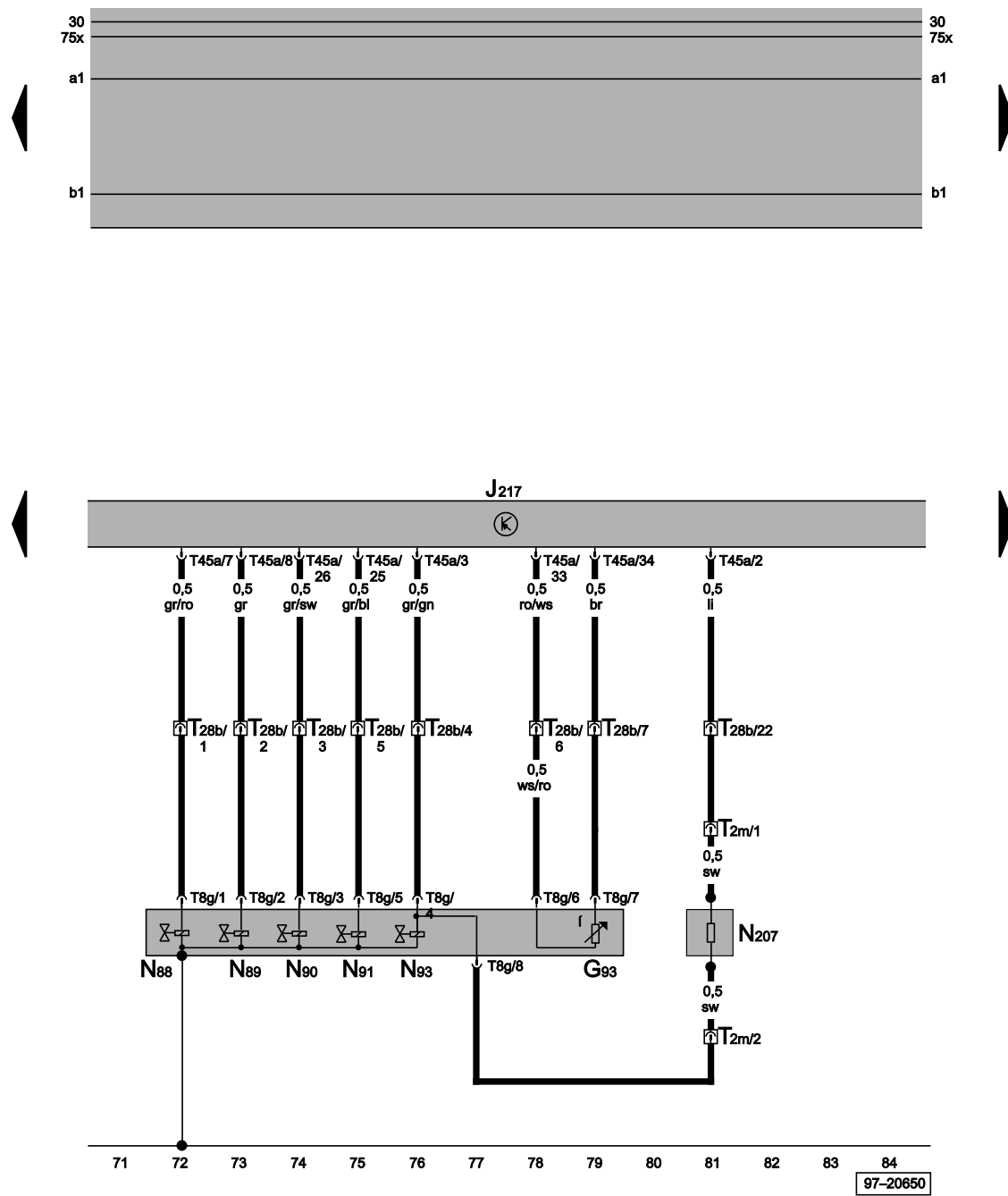
- F125 Multi-function switch
- G61 Knock sensor I
- J17 Fuel pump relay
- J217 Automatic gearbox control unit, on gearbox
- J382 1AV control unit (injection system), right in plenum chamber
- M17 Reversing light bulb, right
- N80 Activated charcoal filter system solenoid valve I
- T2c 2-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T10g 10-pin connector, brown, near relay station
- T10i 10-pin connector, black, on multi-function switch
- T28 28-pin connector, black, on engine
- T28b 28-pin connector, black, on gearbox
- T45 45-pin connector, black
- T45a 45-pin connector, black

14 Earth point, on gearbox

D151 Connection (RF), in engine compartment wiring harness

Automatic gearbox control unit, solenoid valves,
solenoid valve series resistor

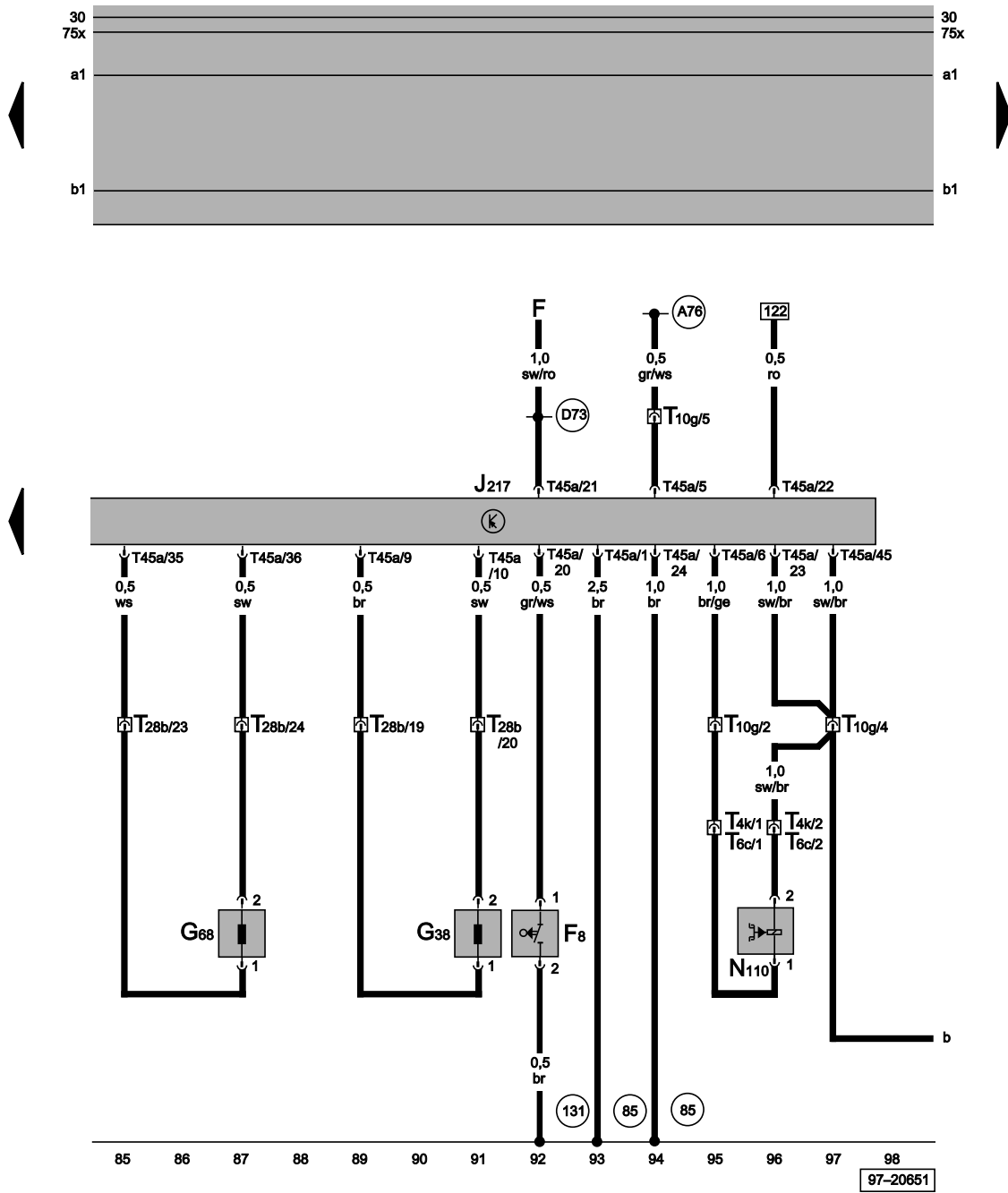
- G93 Gearbox oil temperature sender
- J217 Automatic gearbox control unit, on gearbox
- N207 Solenoid valve series resistance, automatic gearbox
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N93 Solenoid valve 6
- T2m 2-pin connector, black, on gearbox
- T8g 8-pin connector, black, on gearbox
- T28b 28-pin connector, black, on gearbox
- T45a 45-pin connector, black

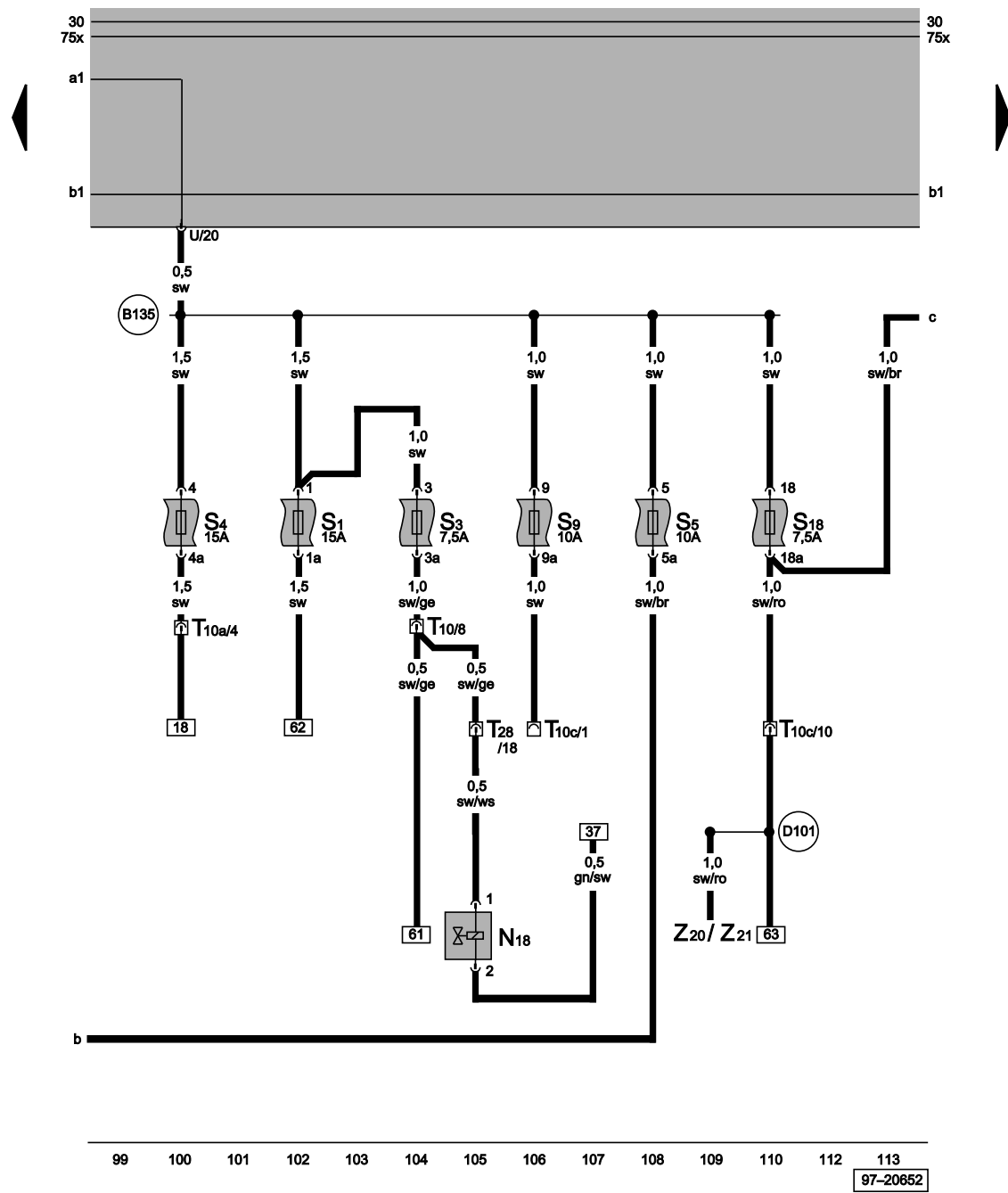


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Automatic gearbox control unit, road speed sender, gearbox speed sender, selector lever lock solenoid valve, kick-down switch

- F Brake light switch
- F8 Kick-down switch
- G38 Gearbox speed sender
- G68 Road speed sender
- J217 Automatic gearbox control unit
- N110 Selector lever lock solenoid
- T4k 4-pin connector, black, left-hand drive only
- T6c 6-pin connector, black, right-hand drive only
- T10g 10-pin connector, brown, near relay station
- T28b 28-pin connector, black, on gearbox
- T45a 45-pin connector, black
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -2-, in engine compartment wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- D73 Positive connection (54), in engine compartment wiring harness





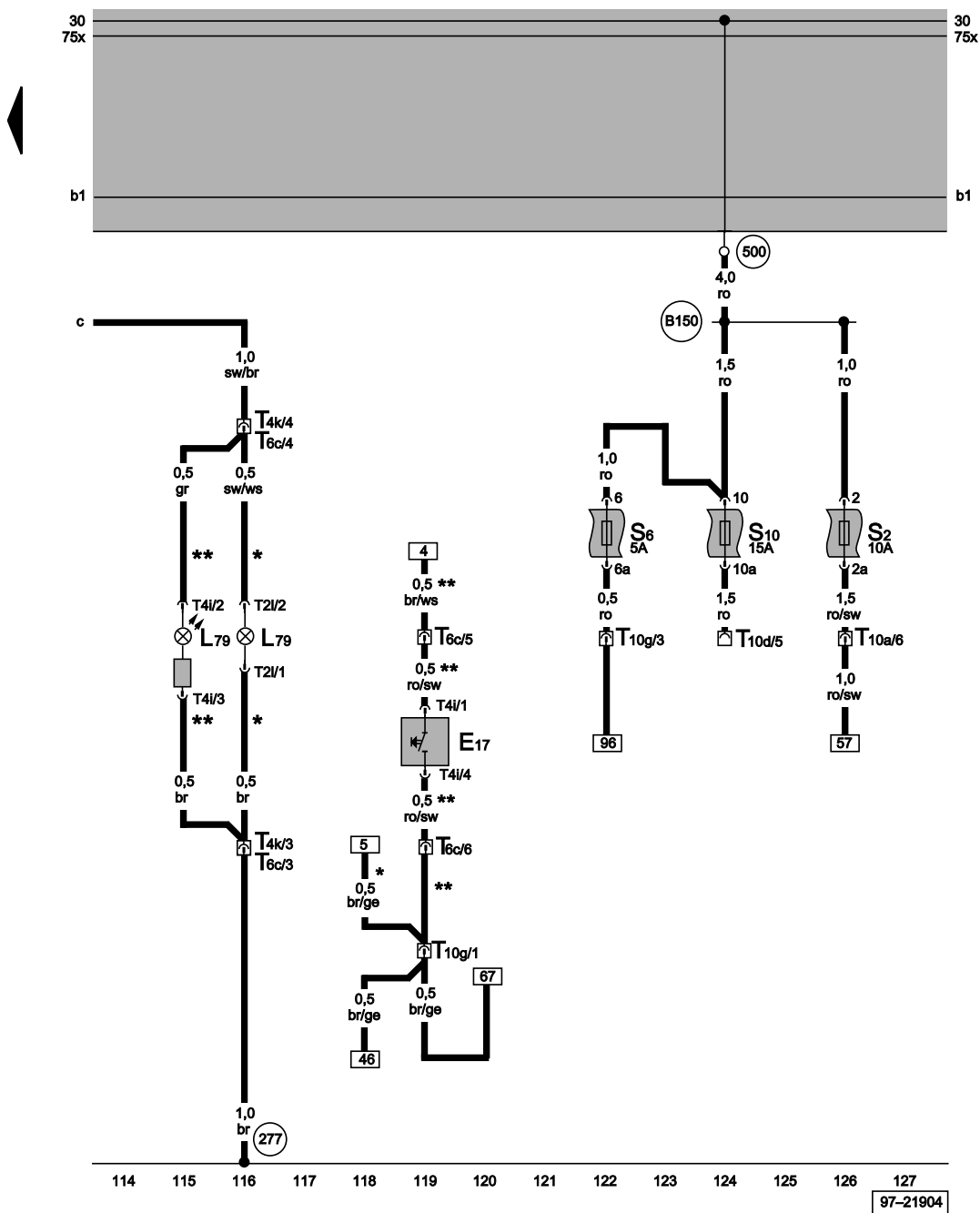
Exhaust gas recirculation valve

- N18 Exhaust gas recirculation valve
- S1 Fuse in relay plate fuse box
- S3 Fuse in relay plate fuse box
- S4 Fuse in relay plate fuse box
- S5 Fuse in relay plate fuse box
- S9 Fuse in relay plate fuse box
- S18 Fuse in relay plate fuse box
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T28 28-pin connector, black, on engine
- Z20 Heater element, left washer jet
- Z21 Heater element, right washer jet

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

D101 Connection -1-, in engine compartment wiring harness

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

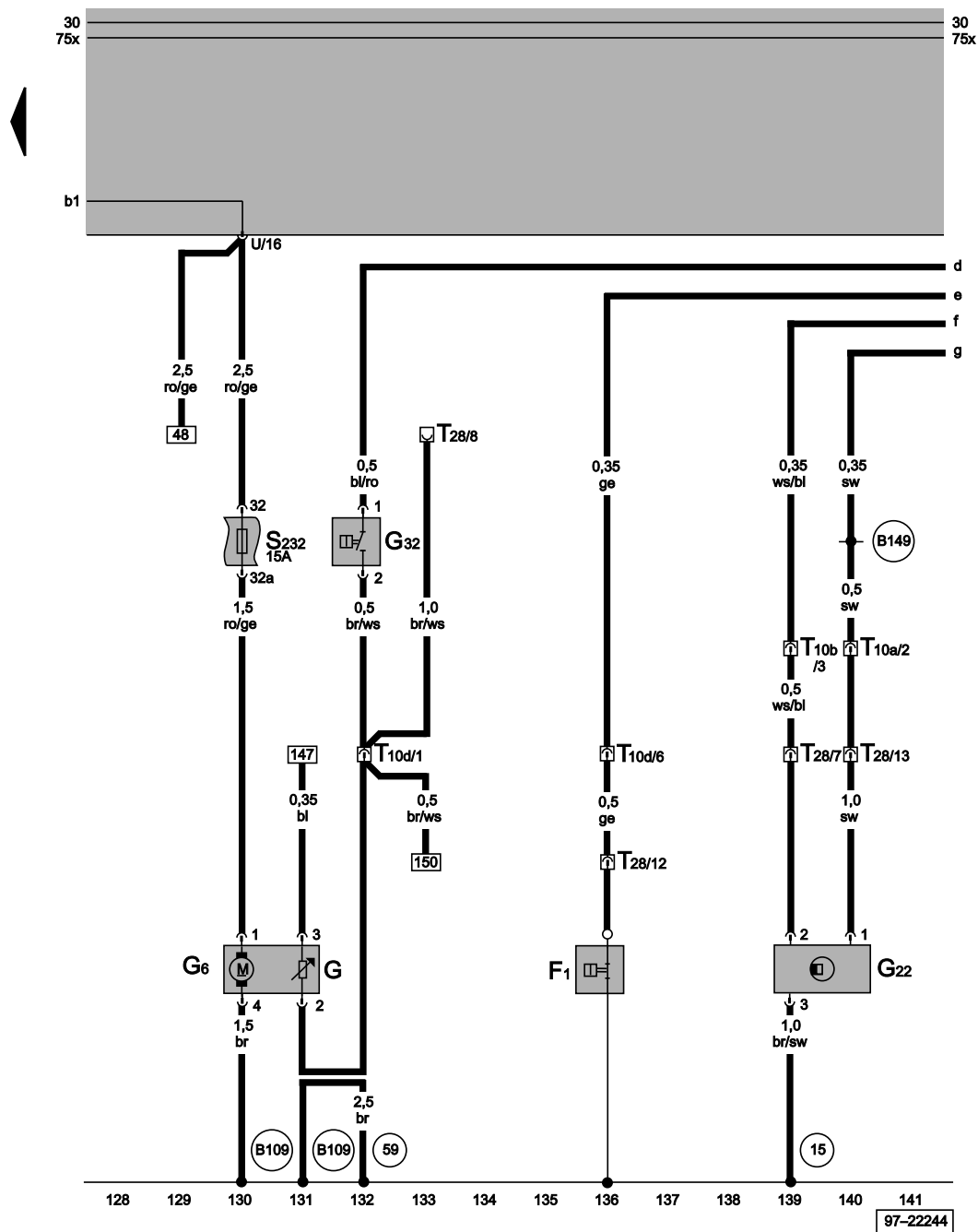


Starten inhibitor switch, selector lever illumination

- E17 Starter inhibitor and reversing lights switch
- L79 Selector lever illumination
- S2 Fuse in relay plate fuse box
- S6 Fuse in relay plate fuse box
- S10 Fuse in relay plate fuse box
- T21 2-pin connector, black, near selector lever
- T4i 4-pin connector, black, near selector lever
- T4k 4-pin connector, black, left-hand drive only
- T6c 6-pin connector, black, right-hand drive only
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T10g 10-pin connector, brown, near relay station

- 277 Earth connection -3-, in interior wiring harness
- 501 Screw connection -2- (30), on relay plate
- B150 Positive connection -2- (30a), in interior wiring harness
- * Left-hand drive only
- ** Right-hand drive only

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



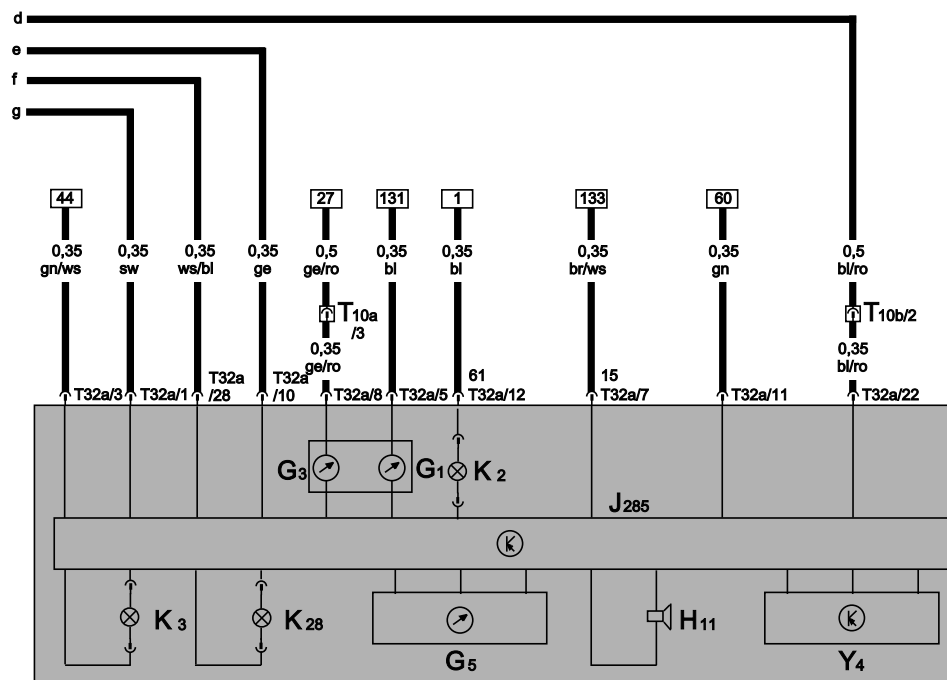
Speedometer sender, coolant shortage indicator sender, fuel supply, oil pressure switch

- F1 Oil pressure switch
- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- S232 Fuse in fuse holder
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T28 28-pin connector, black, on engine

- 15 Earth point, on cylinder head
- 59 Earth point, near left-hand tail light
- B109 Earth connection, in rear left interior wiring harness
- B149 Positive connection -2- (15a), in interior wiring harness

3

30 75x 30 75x



Dash panel insert, alternator warning lamp, fuel gauge, coolant shortage and coolant temperature warning lamp, optical and acoustical oil pressure warning, odometer display

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Odometer display

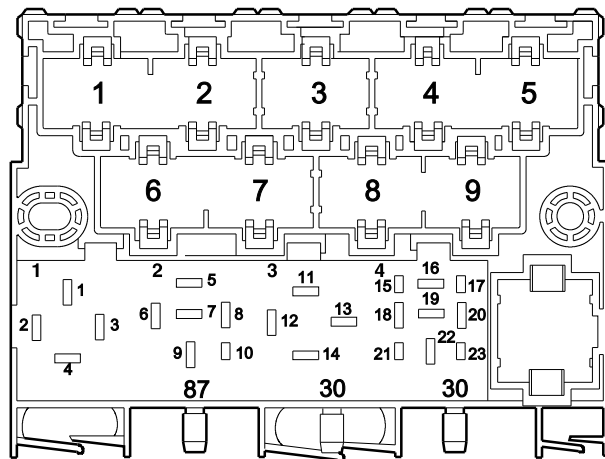
142 143 144 145 146 147 148 149 150 151 152 153 154 150 97-22245

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

1.4 ltr./74 kW 1AV, engine code AFH

From May 1997

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

4 - Fuel pump relay (167)

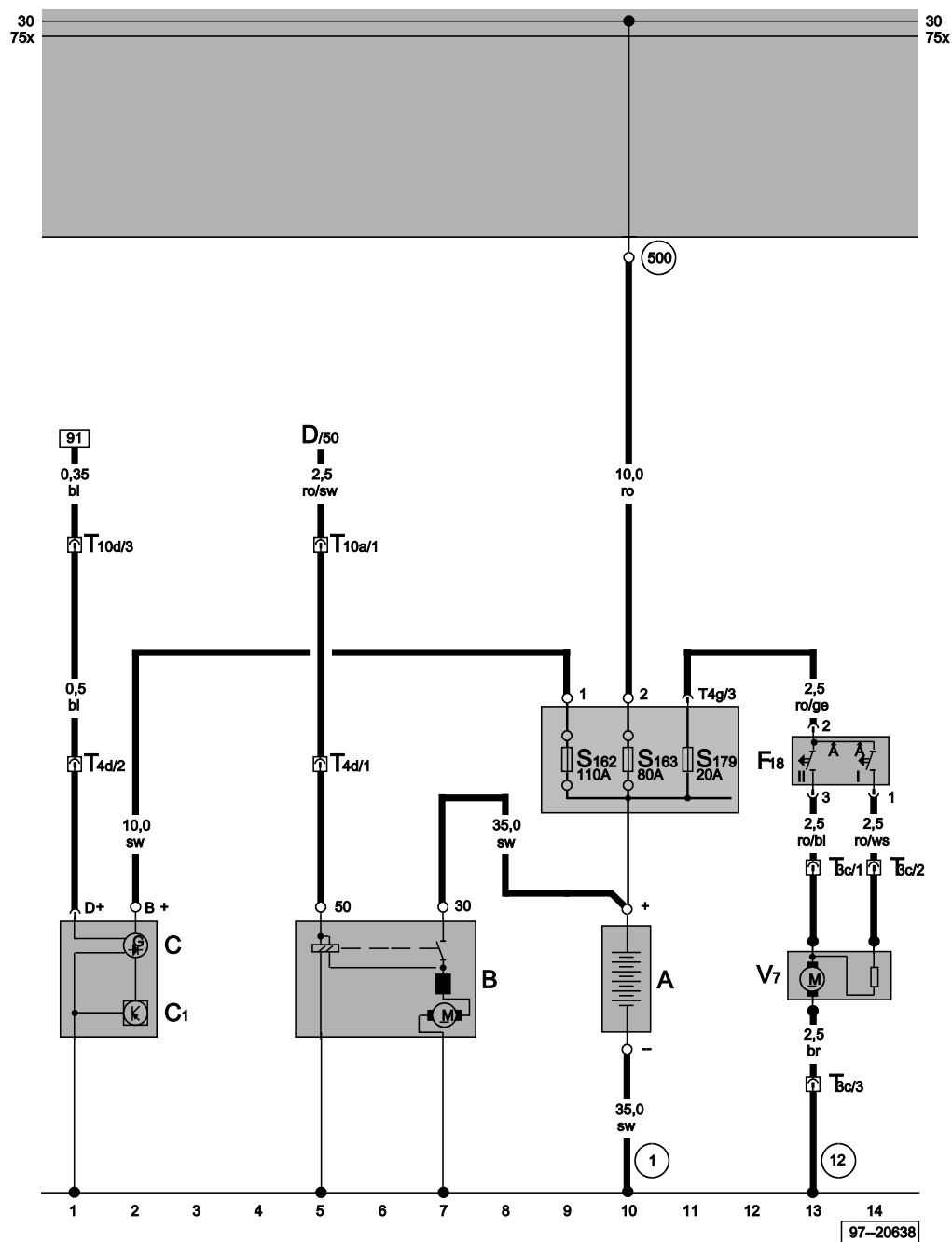


Note!

♦ The number in brackets behind the part designation denotes the control number on the housing.

Fuse colours

30 A - green
 25 A - white
 20 A - yellow
 15 A - blue
 10 A - red
 7.5 A - brown
 5 A - beige
 3 A - lilac

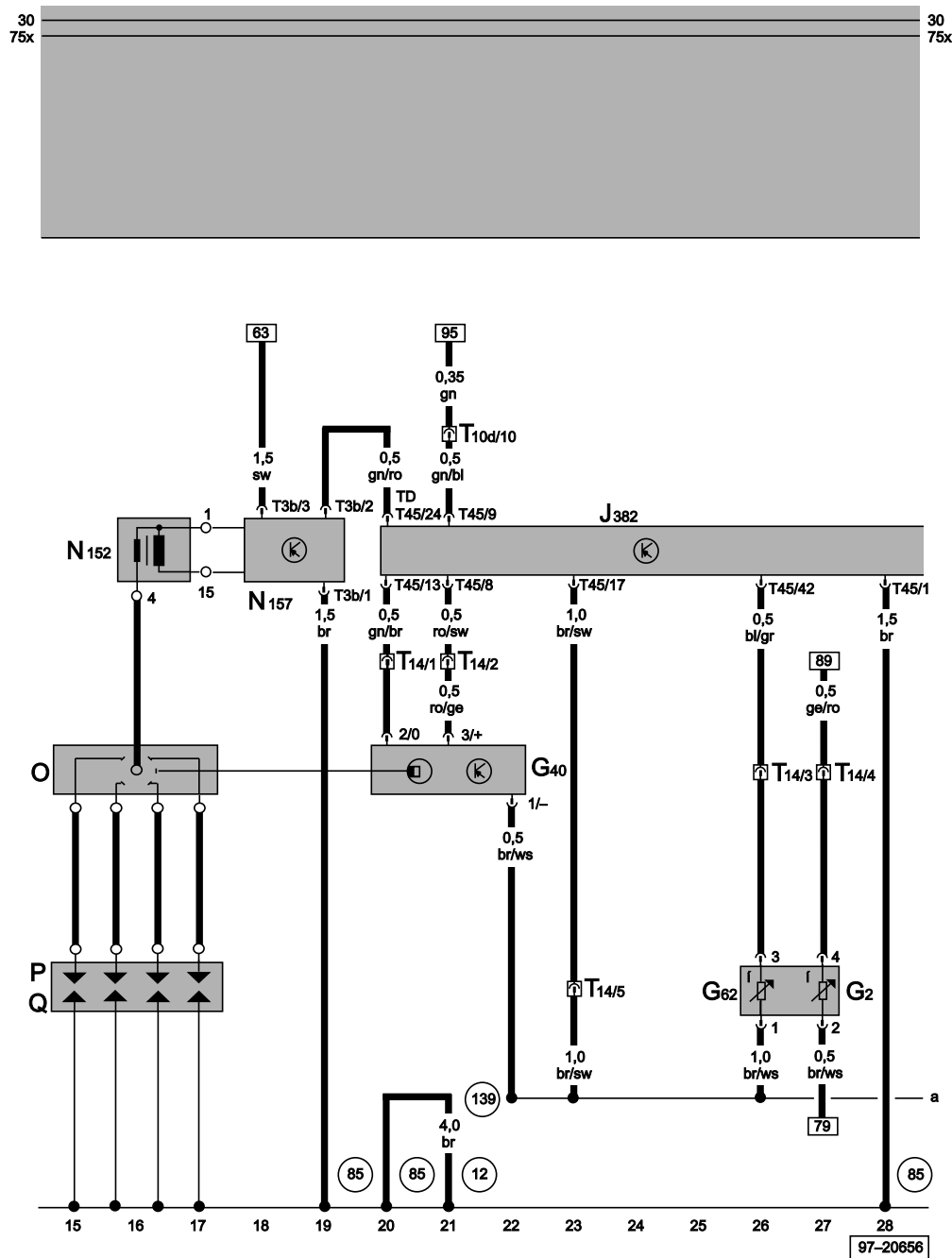


Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in battery fuse holder
- S163 Fuse -2- (30), in battery fuse holder
- S179 Fuse -7- (30), in battery fuse holder
- T3c 3-pin connector, black, on radiator fan
- T4d 4-pin connector, black, on gearbox
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate

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



1AV control unit (injection system), ignition system, Hall sender, coolant temperature sender, power assisted steering/pressure switch

- G2 Coolant temperature sender
- G40 Hall sender
- G62 Coolant temperature sender
- J382 1AV control unit (injection system), right in plenum chamber
- N152 Ignition transformer
- N157 Ignition transformer output stage
- O Ignition distributor
- P Spark plug connector
- Q Flame plug
- T3b 3-pin connector, black, on ignition transformer output stage
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 139 Earth connection (sender earth), in Motronic wiring harness

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

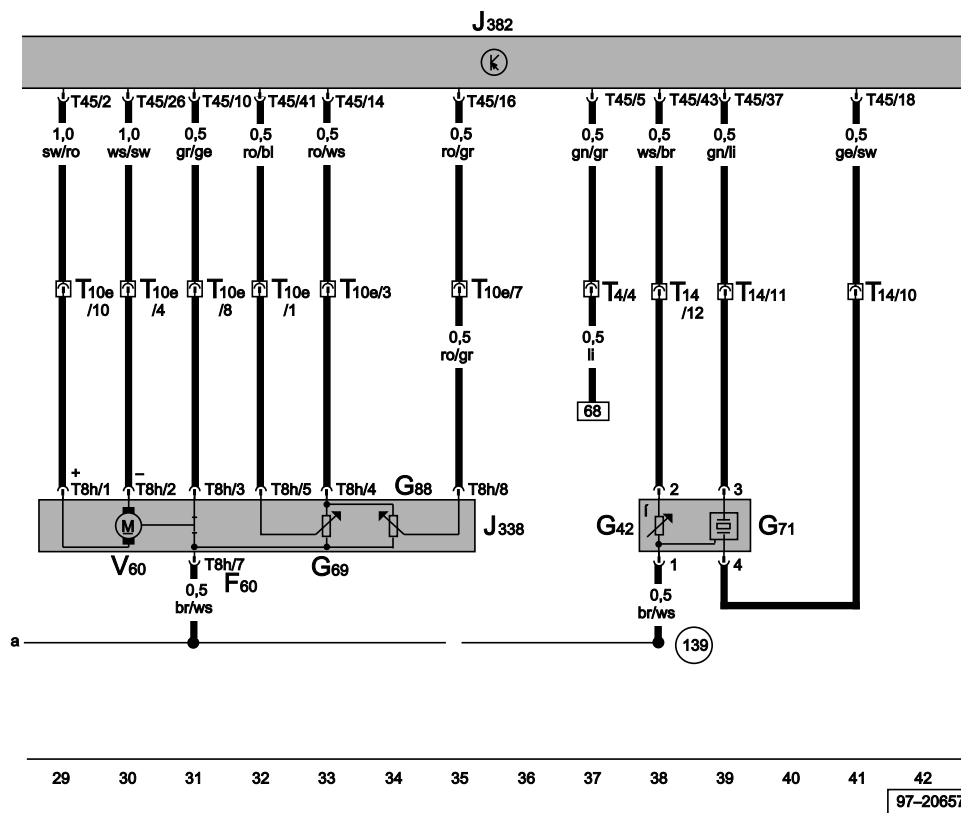
30 75x

30 75x

1AV control unit (injection system), throttle valve control part, intake air temperature sender, intake manifold pressure sender

- F60 Idling switch
- G42 Intake air temperature sender
- G69 Throttle valve potentiometer
- G71 Intake manifold pressure sender
- G88 Throttle valve positioner potentiometer
- J338 Throttle valve control unit, near intake manifold
- J382 1AV control unit (injection system), right in plenum chamber
- T4 4-pin connector, black, on engine
- T8h 8-pin connector, black, on throttle valve control unit
- T10e 10-pin connector, black, on engine
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black
- V60 Throttle valve positioner

139 Earth connection (sender earth), in Motronic wiring harness

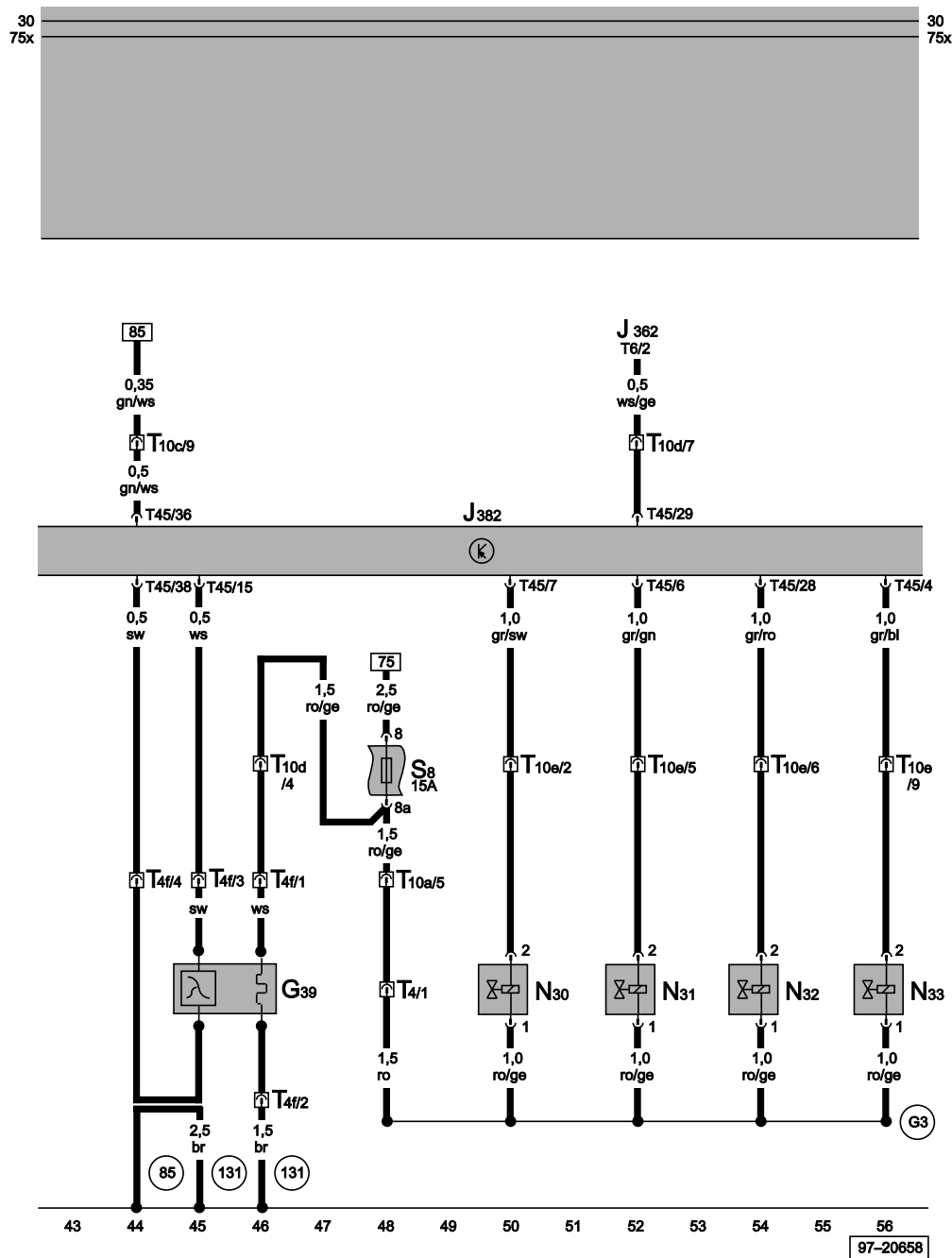


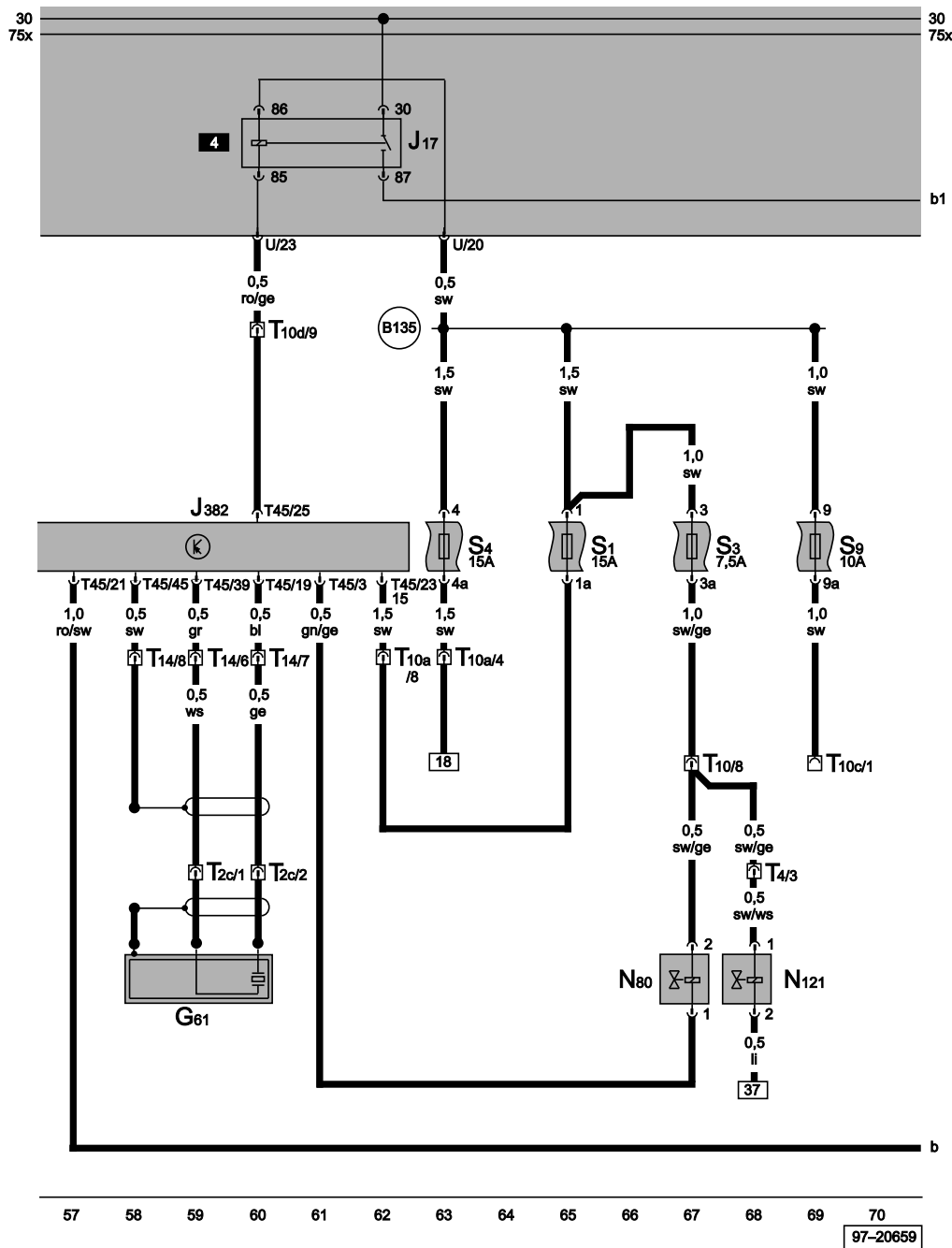
1AV control unit (injection system), injectors, Lambda probe

- G39 Lambda probe
- J362 Immobilizer control unit, next to steering column
- J382 1AV control unit (injection system), right in plenum chamber
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- S8 Fuse in relay plate fuse box
- T4 4-pin connector, black, on engine
- T4f 4-pin connector, black, on gearbox
- T6 6-pin connector, black, on immobilizer control unit
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T10e 10-pin connector, black, on engine
- T45 45-pin connector, black

- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -3-, in engine compartment wiring harness
- G3 Positive (+) connection in cable sleeve - injectors

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



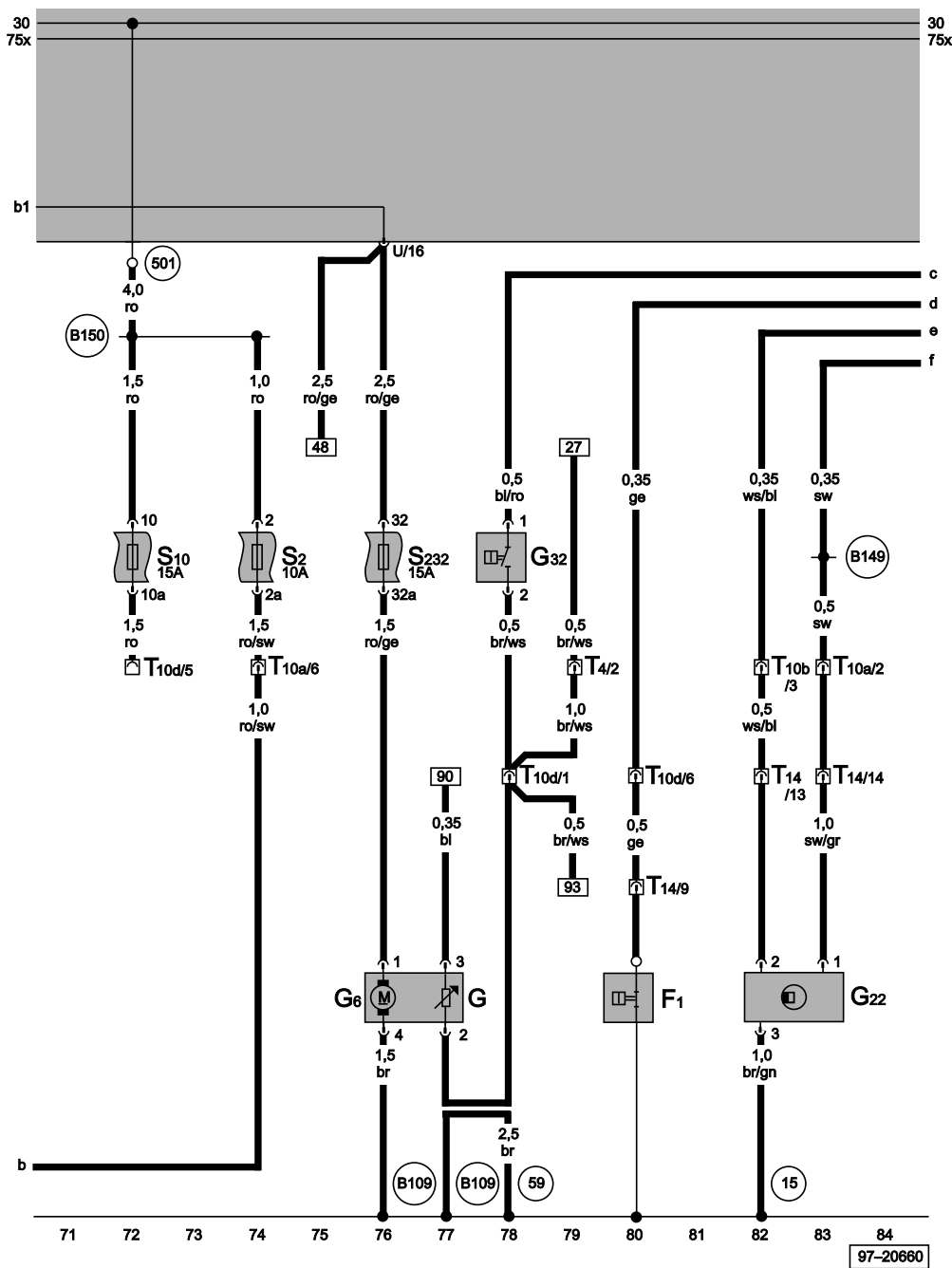


1AV control unit (injection system), knock sensor, exhaust gas recirculation pulsed valve, activated charcoal filter system

- G61 Knock sensor I
- J17 Fuel pump relay
- J382 1AV control unit (injection system), right in plenum chamber
- N80 Activated charcoal filter system solenoid valve I
- N121 Exhaust gas recirculation frequency valve
- S1 Fuse in relay plate fuse box
- S3 Fuse in relay plate fuse box
- S4 Fuse in relay plate fuse box
- S9 Fuse in relay plate fuse box
- T2c 2-pin connector, black, on engine
- T4 4-pin connector, black, on engine
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

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

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

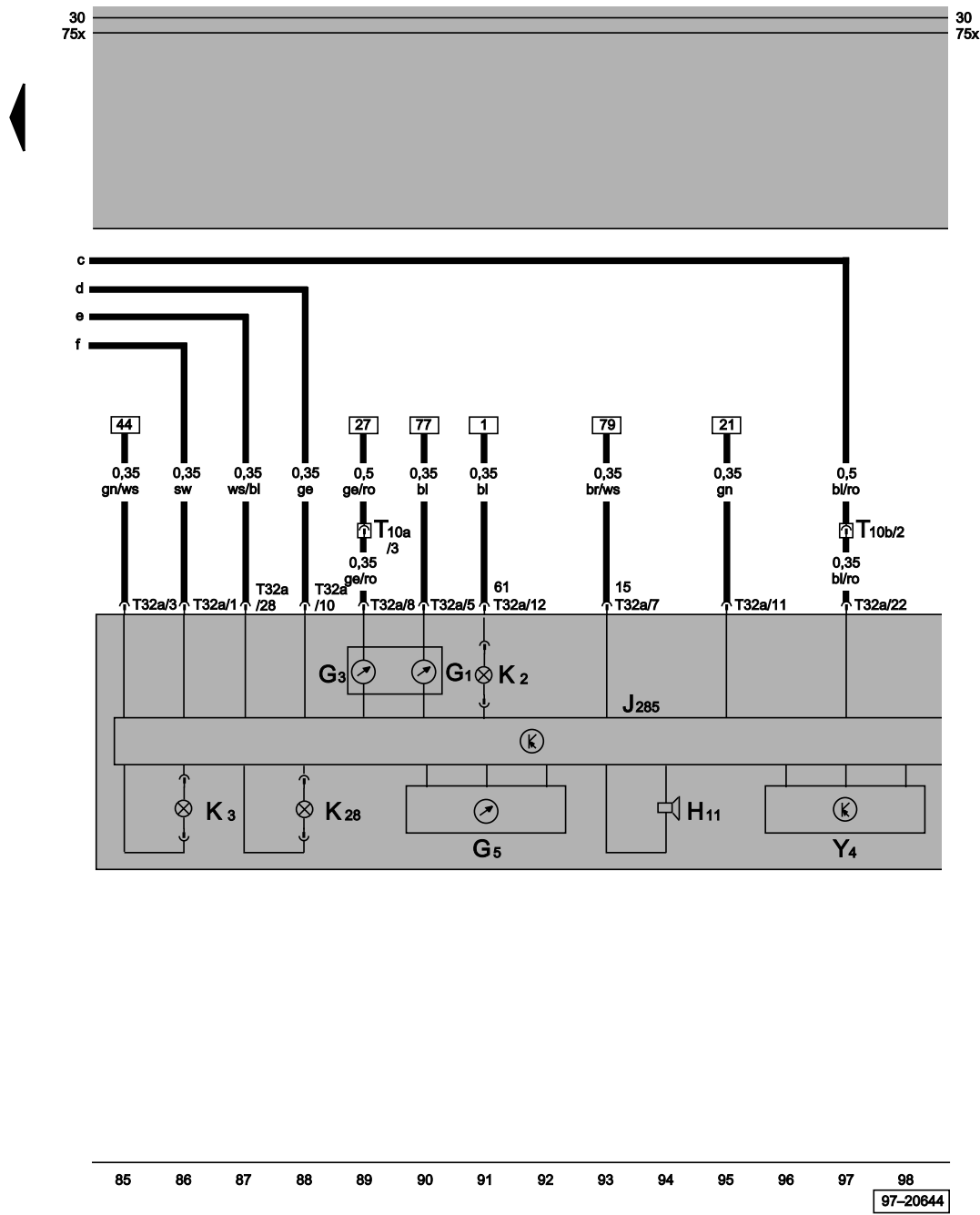


Speedometer sender, coolant shortage indicator sender, fuel supply

- F1 Oil pressure switch
- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- S2 Fuse in relay plate fuse box
- S10 Fuse in relay plate fuse box
- S232 Fuse in fuse holder
- T4 4-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine

- 15 Earth point, on cylinder head
- 59 Earth point, near left-hand tail light
- 501 Screw connection -2- (30), on relay plate
- B109 Earth connection, in rear left interior wiring harness
- B149 Positive connection -2- (15a), in interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness

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



Dash panel insert, alternator warning lamp, fuel gauge, coolant shortage and coolant temperature warning lamp, optical and acoustical oil pressure warning, odometer

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Odometer display

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

Anti-locking brake system (ABS)

- ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine codes AGD
 - ⇒ 1.7 litre/42 kW Naturally aspirated diesel, engine codes AHG
- From May 1997

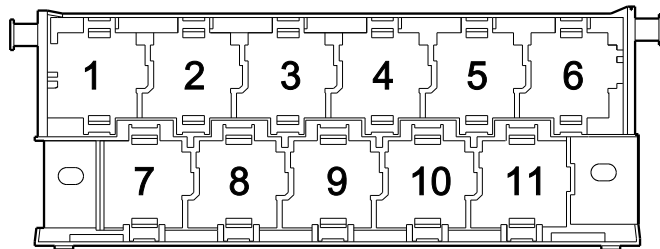
Anti-locking brake system (ABS)

- ⇒ 1.7 litre/44 kW Naturally aspirated diesel, engine codes AKU
- From September 1997

Anti-locking brake system (ABS)

- ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine codes ASX
- From May 2000

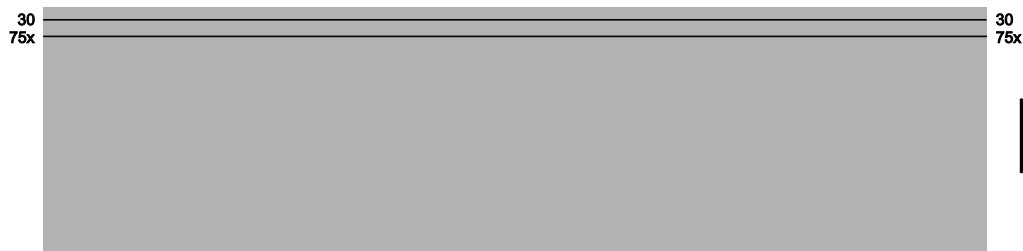
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

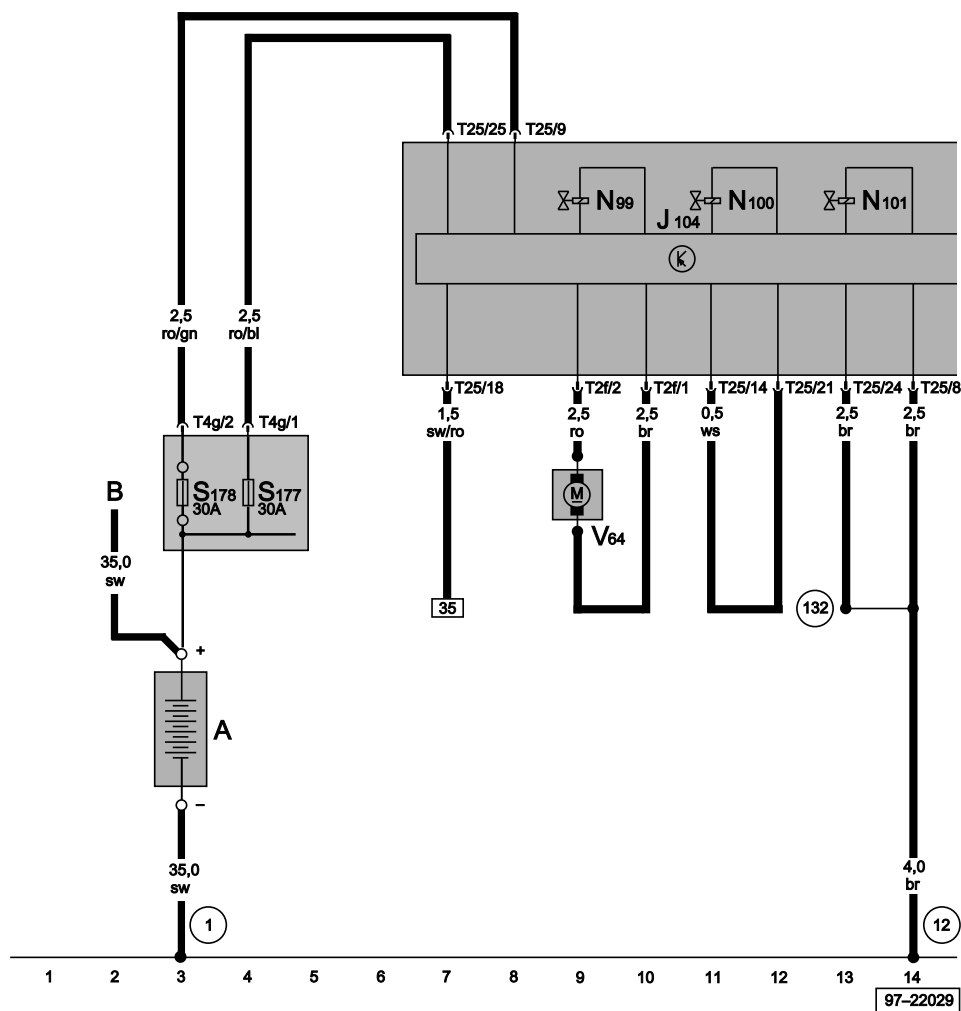
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



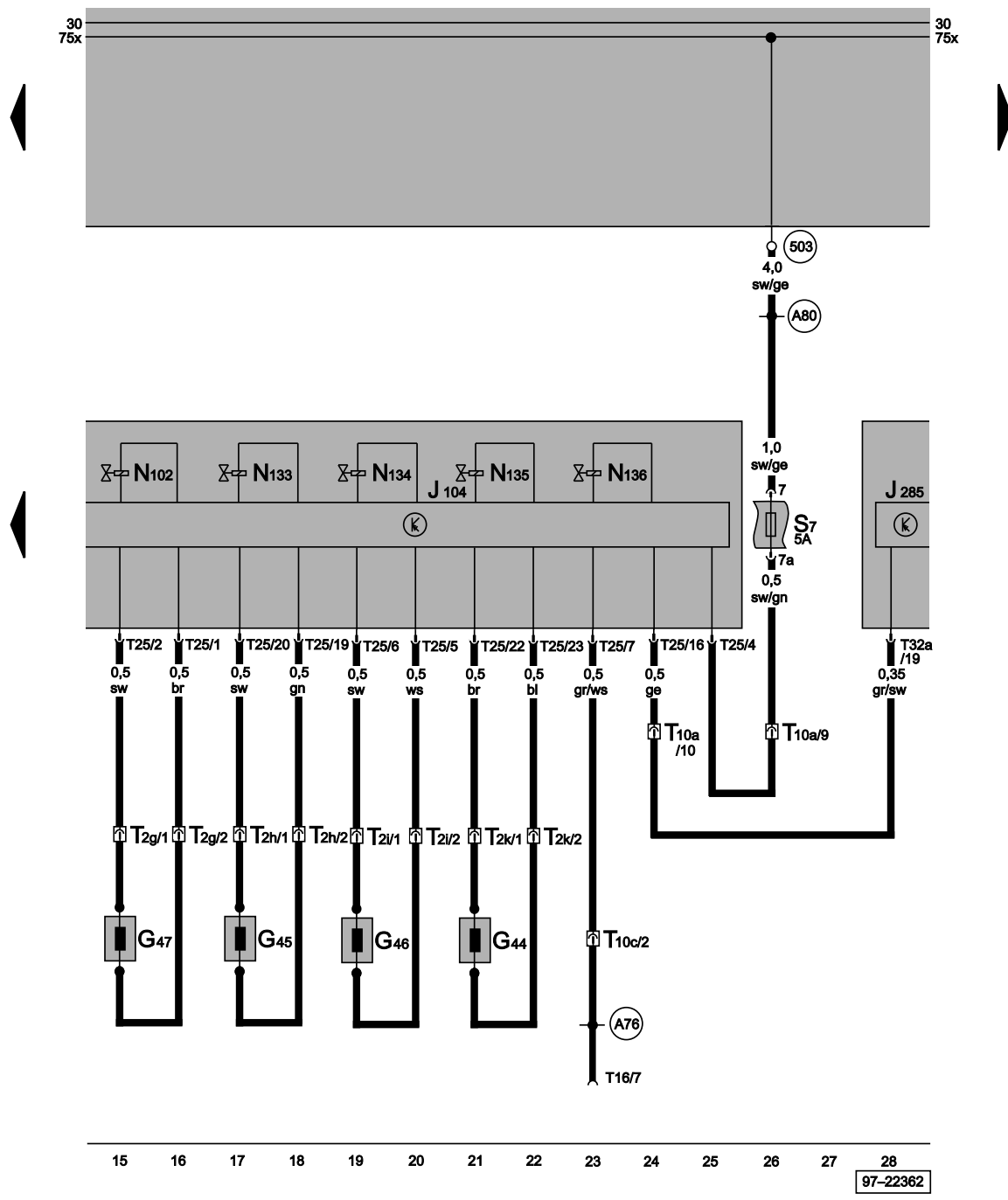
ABS control unit, fuses in fuse box / battery

- A Battery
- B Starter
- J104 ABS control unit, in engine compartment, left
- N99 ABS inlet valve, front right
- N100 ABS outlet valve, front right
- N101 ABS inlet valve, front left
- S177 Fuse -5- (30), in fuse box/battery
- S178 Fuse -6- (30), in fuse box/battery
- T2f 2-pin connector, black
- T4g 4-pin connector, black, near battery
- T25 25-pin connector, black
- V64 ABS hydraulic pump, on ABS control unit

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 132 Earth connection -3-, in engine compartment wiring harness



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

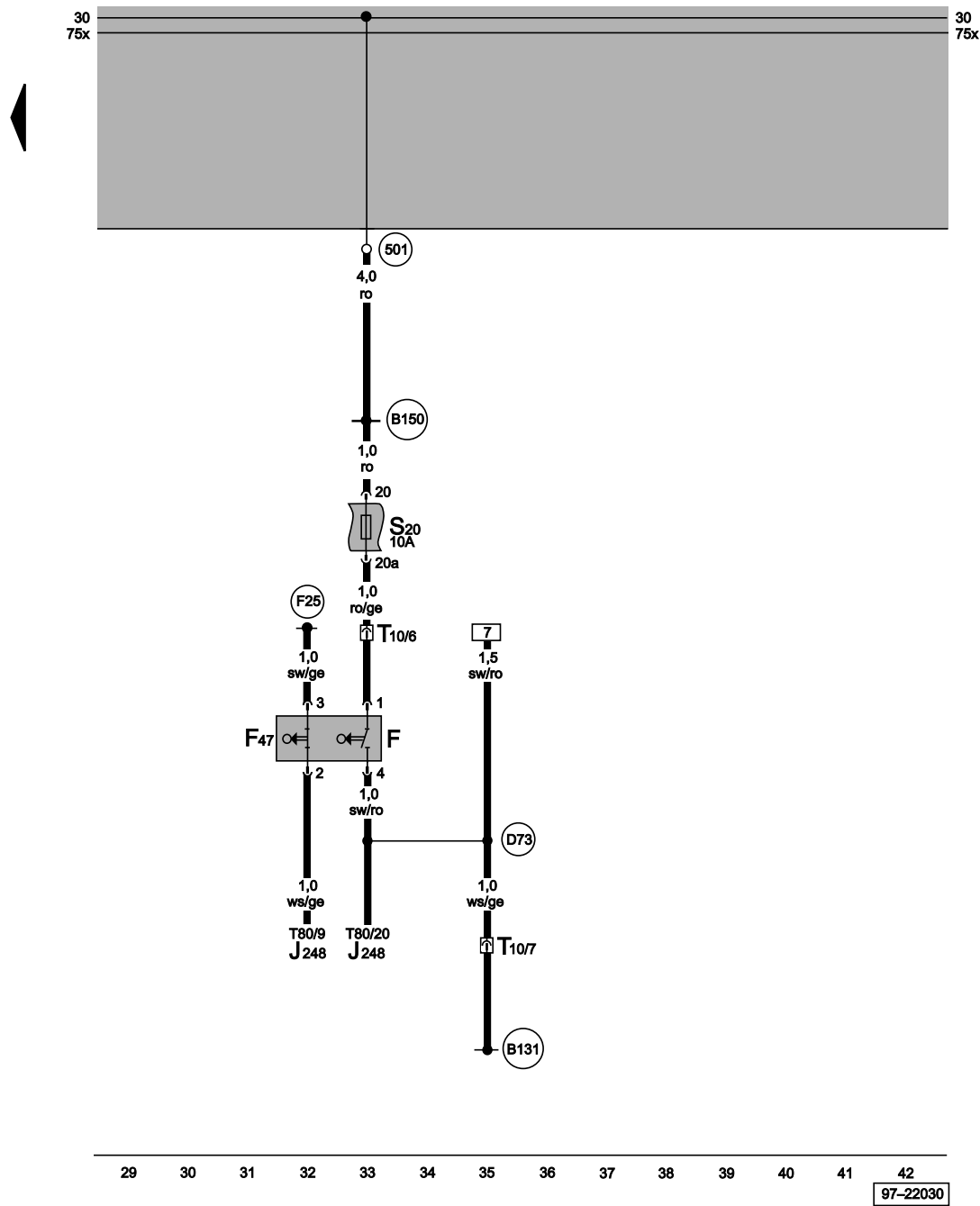


ABS control unit, inlet valves, dash panel insert, self-diagnosis connection

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit, left in engine compartment
- J285 Control unit with display in dash panel insert
- N102 ABS outlet valve, front left
- N133 ABS inlet valve, rear right
- N134 ABS inlet valve, rear left
- N135 ABS outlet valve, rear right
- N136 ABS outlet valve, rear left
- S7 Fuse in relay plate fuse box
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, black, under rear seat
- T2k 2-pin connector, black, under rear seat
- T10a 10-pin connector, near relay station
- T10c 10-pin connector, near relay station
- T16 16-pin connector, self-diagnosis connection, right in glove compartment
- T25 25-pin connector, black
- T32a 32-pin connector, blue, on dash panel insert

- 503 Screw connection (75x), on relay plate
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A80 Connection -1- (X), in dash panel wiring harness

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



Brake light switch

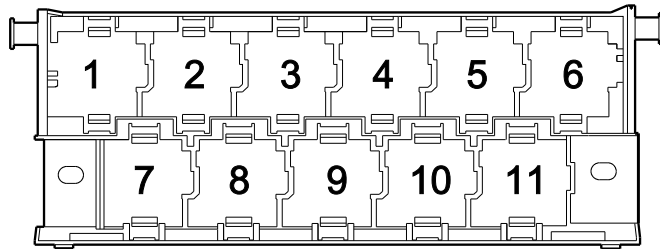
- F Brake light switch
- F47 Cruise cont. sys. brake pedal switch (diesel direct inj. system)
- J248 Diesel direct injection system control unit, right in plenum chamber
- S20 Fuse in relay plate fuse box
- T10 10-pin connector, white, near relay station
- T80 80-pin connector, black
- 501 Screw connection -2- (30), on relay plate
- B131 Connection (54), in interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness
- D73 Positive connection (54), in engine compartment wiring harness
- F25 Connection -1-, in diesel direct injection system wiring harness

Anti-locking brake system (ABS)

⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine codes AEF

From May 1997

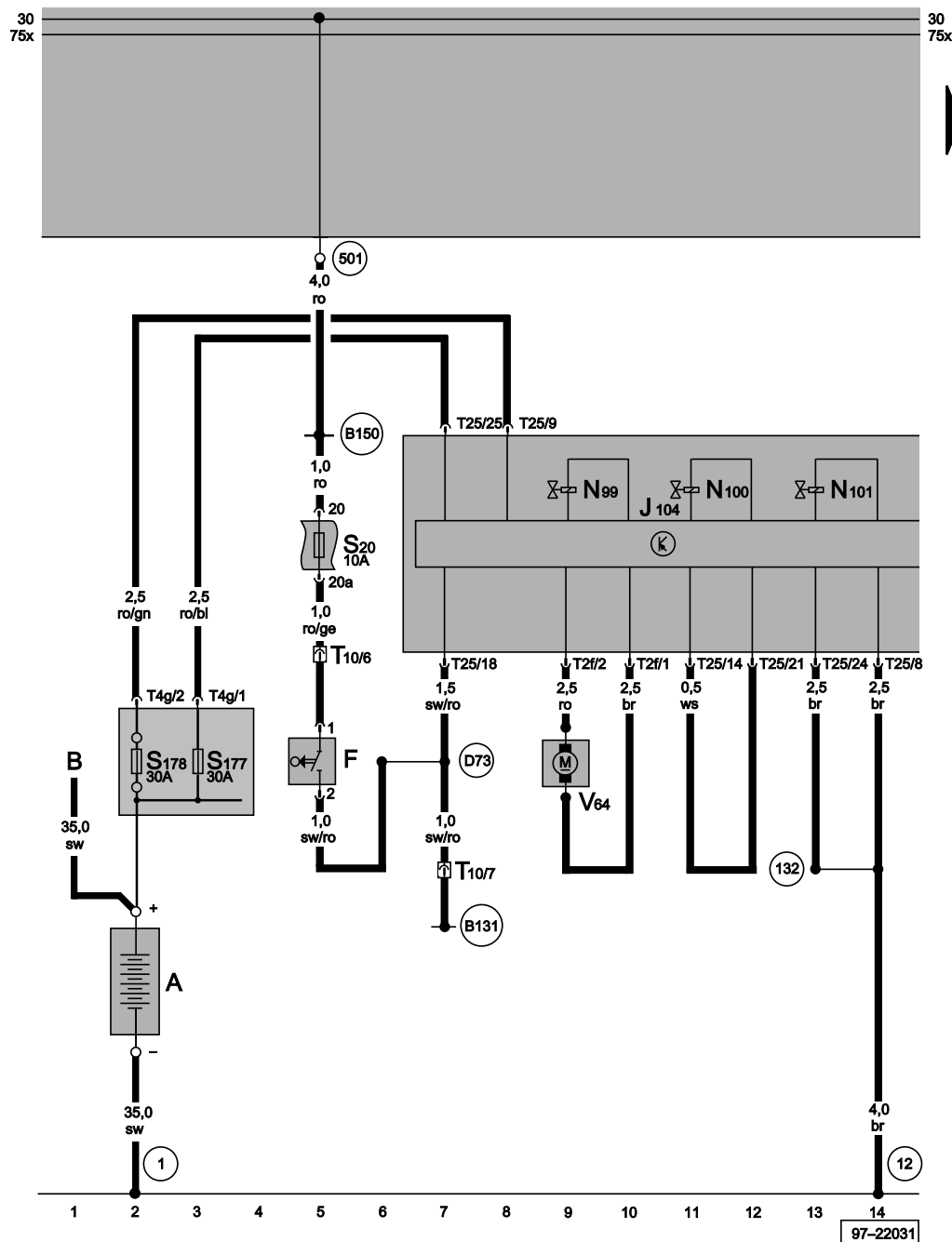
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

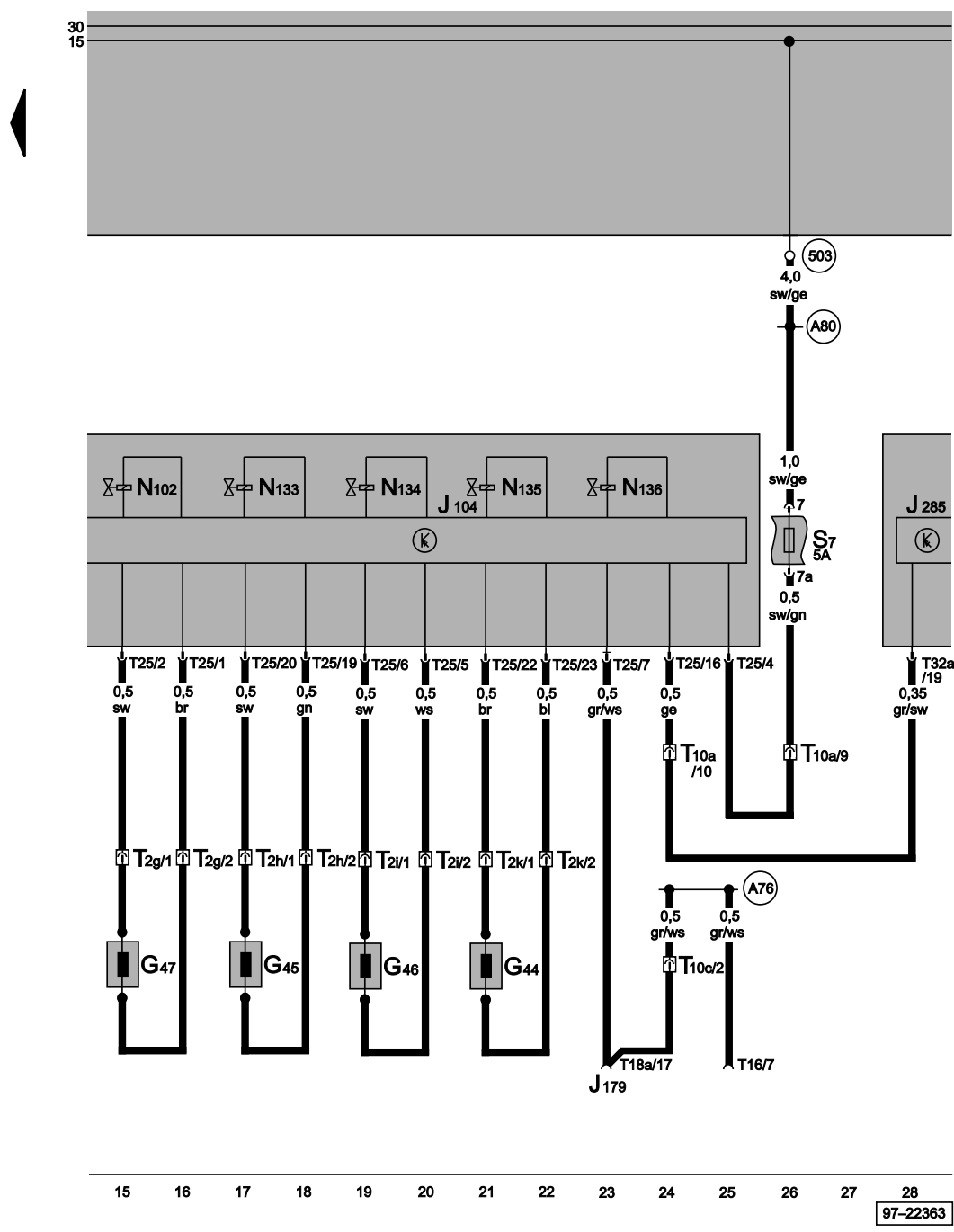


ABS control unit, brake light switch, fuses in fuse box / battery

- A Battery
- B Starter
- F Brake light switch
- J104 ABS control unit, in engine compartment, left
- N99 ABS inlet valve, front right
- N100 ABS outlet valve, front right
- N101 ABS inlet valve, front left
- S20 Fuse in fuse box
- S177 Fuse -5- (30), in fuse box/battery
- S178 Fuse -6- (30), in fuse box/battery
- T2f 2-pin connector, black
- T4g 4-pin connector, black, near battery
- T10 10-pin connector, white, near relay station
- T25 25-pin connector, black
- V64 ABS hydraulic pump, on ABS control unit

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 132 Earth connection -3-, in engine compartment wiring harness
- 501 Screw connection -2- (30), on relay plate
- B131 Connection (54), in interior wiring harness
- B150 Positive (+) connection -2- (30a), in interior wiring harness
- D73 Positive (+) connection (54), in engine compartment wiring harness

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



ABS control unit, inlet valves, dash panel insert, self-diagnosis connection

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit, left in engine compartment
- J179 Automatic glow period control unit, above the relay plate
- J285 Control unit with display in dash panel insert
- N102 ABS outlet valve, front left
- N133 ABS inlet valve, rear right
- N134 ABS inlet valve, rear left
- N135 ABS outlet valve, rear right
- N136 ABS outlet valve, rear left
- S7 Fuse in relay plate fuse box
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, under rear seat
- T2k 2-pin connector, under rear seat
- T10a 10-pin connector, near relay station
- T10c 10-pin connector, near relay station
- T16 16-pin connector, self-diagnosis connection, right in glove compartment
- T18a 18-pin connector, black
- T25 25-pin connector, black
- T32a 32-pin connector, blue, on dash panel insert

- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A80 Connection -1- (X), in dash panel wiring harness
- 503 Screw connection (75x), on relay plate

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

Anti-lock brake system (ABS)

- ⇒ 1.0 l/37 kW - Motronic, engine codes AER, ALL, AHS
- ⇒ 1.4 l/40 kW - Motronic, engine code ANX
- ⇒ 1.4 l/44 kW - Motronic, engine codes AEX, AKV, APQ
- ⇒ 1.4 l/74 kW - 1AV, engine code AFH
- ⇒ 1.6 l/55kW - 1AV, engine code AEE

From May 1997

Anti-lock brake system (ABS)

- ⇒ 1.6 l/88 kW - 4CV, engine code AJV

From August 1998

Notes:

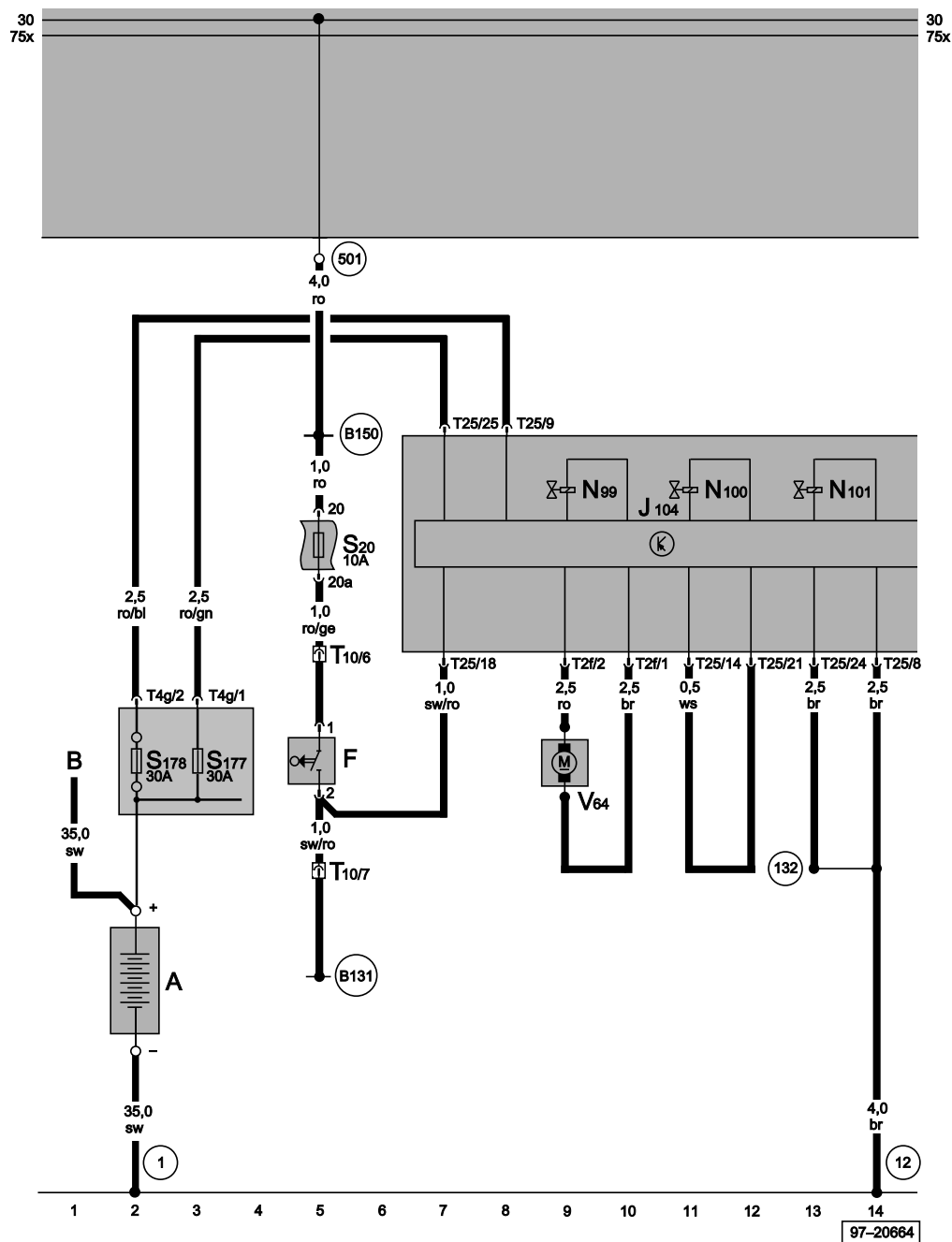
For information concerning

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

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs
- ⇒ Guided Fault Finding

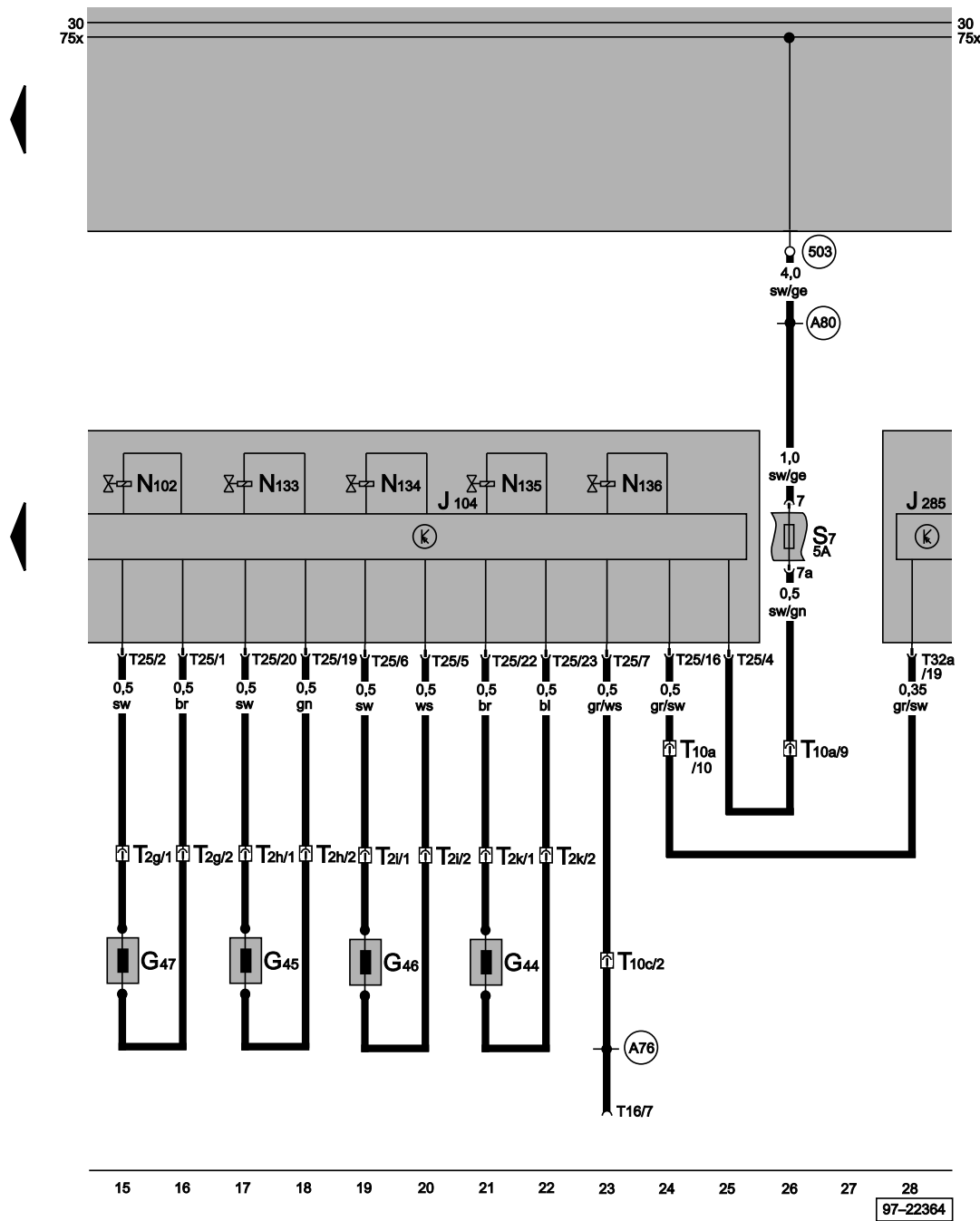


ABS control unit, brake light switch, fuses on battery fuse holder

- A Battery
- B Starter
- F Brake light switch
- J104 ABS control unit, on left in engine compartment
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N101 Front left ABS inlet valve
- S20 Fuses on fuse holder
- S177 Fuse 5 (30), on battery fuse holder
- S178 Fuse 6 (30), on battery fuse holder
- T2f 2-pin connector, black, on ABS control unit
- T4g 4-pin connector, black, near battery
- T10 10-pin connector, white, near relay station
- T25 25-pin connector, black, on ABS control unit
- V64 ABS hydraulic pump (01276), on ABS control unit

- 1 Earth strap, battery - body
- 12 Earth point, on left in engine compartment
- 132 Earth connection 3, in engine compartment wiring harness
- 501 Screw connection 2 (30), on relay plate
- B131 Connection (54), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness

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



ABS control unit, inlet valves, dash panel insert, self-diagnosis connection

- G44 Rear right speed sensor (00287)
- G45 Front right speed sensor (00285)
- G46 Rear left speed sensor (00290)
- G47 Front left speed sensor ((00283)
- J104 ABS control unit, on left in engine compartment
- J285 Control unit with display in dash panel insert (01317)
- N102 Front left ABS outlet valve (00265)
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- S7 Fuses on fuse holder
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, under rear bench seat
- T2k 2-pin connector, black, under rear bench seat
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T16 16-pin connector, self-diagnosis connection
- T25 25-pin connector, black, on ABS control unit
- T32a 32-pin connector, blue, on dash panel insert

- 503 Screw connection (75x), on relay plate
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- A80 Connection 1 (X), in dash panel wiring harness

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

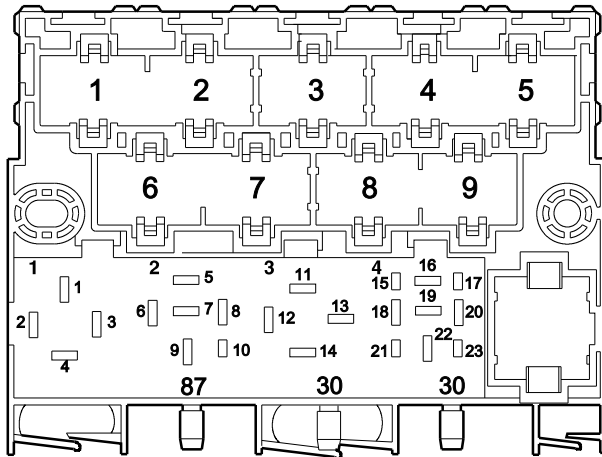
Anti-locking brake system (ABS)

⇒ 1.4 ltr./44 kW Motronic, engine codes AEX, with automatic gearbox

⇒ 1.6 ltr./55 kW 1AV, engine code AEE, with automatic gearbox

From May 1997

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97--20672

Fuse colours

30 A - green

25 A - white

20 A - yellow

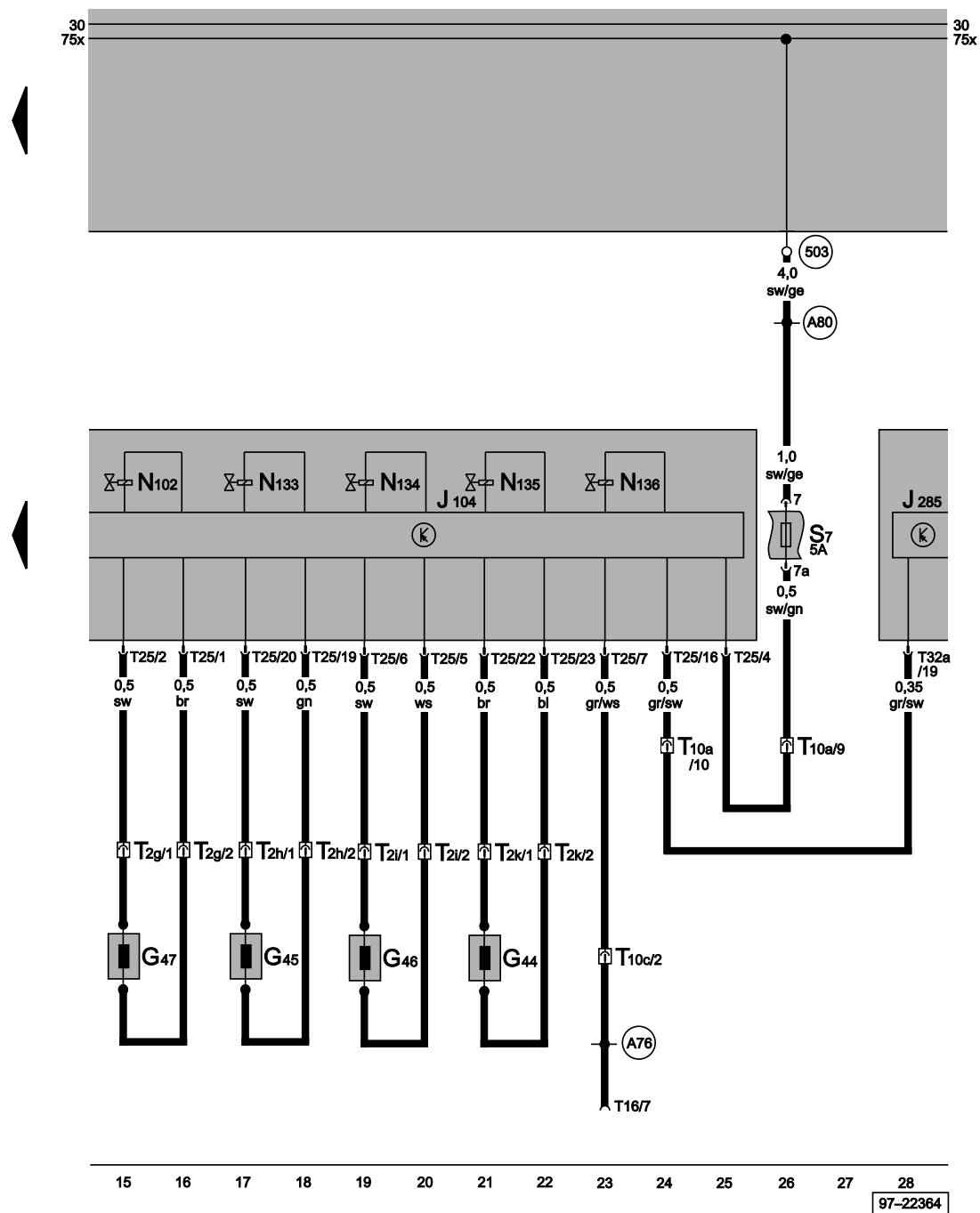
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - lilac



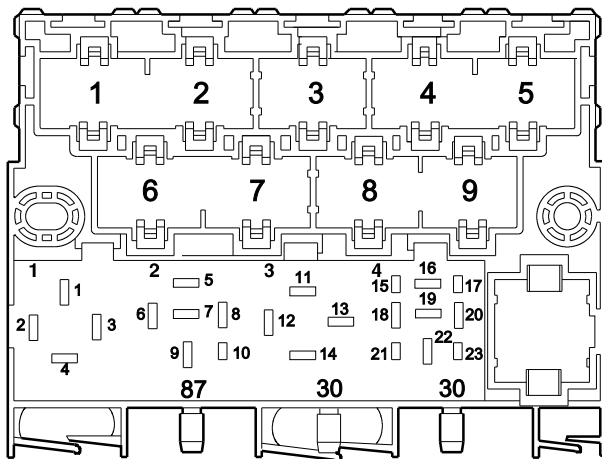
ABS control unit, inlet valves, dash panel insert, self-diagnosis connection

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit, left in engine compartment
- J285 Control unit with display in dash panel insert
- N102 ABS outlet valve, front left
- N133 ABS inlet valve, rear right
- N134 ABS inlet valve, rear left
- N135 ABS outlet valve, rear right
- N136 ABS outlet valve, rear left
- S7 Fuse in relay plate fuse box
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, under rear seat
- T2k 2-pin connector, black, under rear seat
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T16 16-pin connector, self-diagnosis connection, right in glove compartment
- T25 25-pin connector, black, on ABS control unit
- T32a 32-pin connector, blue, on dash panel insert
- 503 Screw connection (75x), on relay plate
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A80 Connection -1- (X), in dash panel wiring harness

Airbag

From May 1997

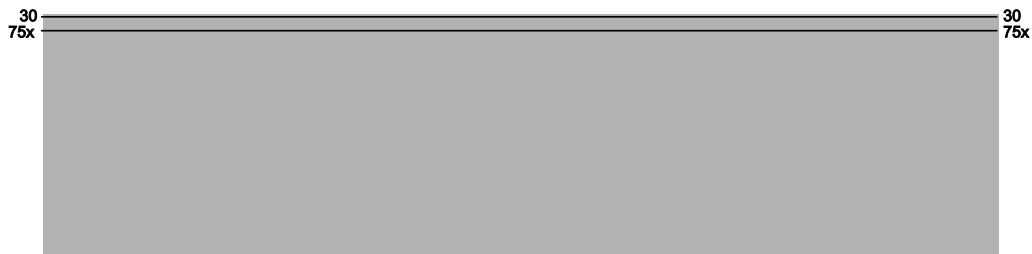
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

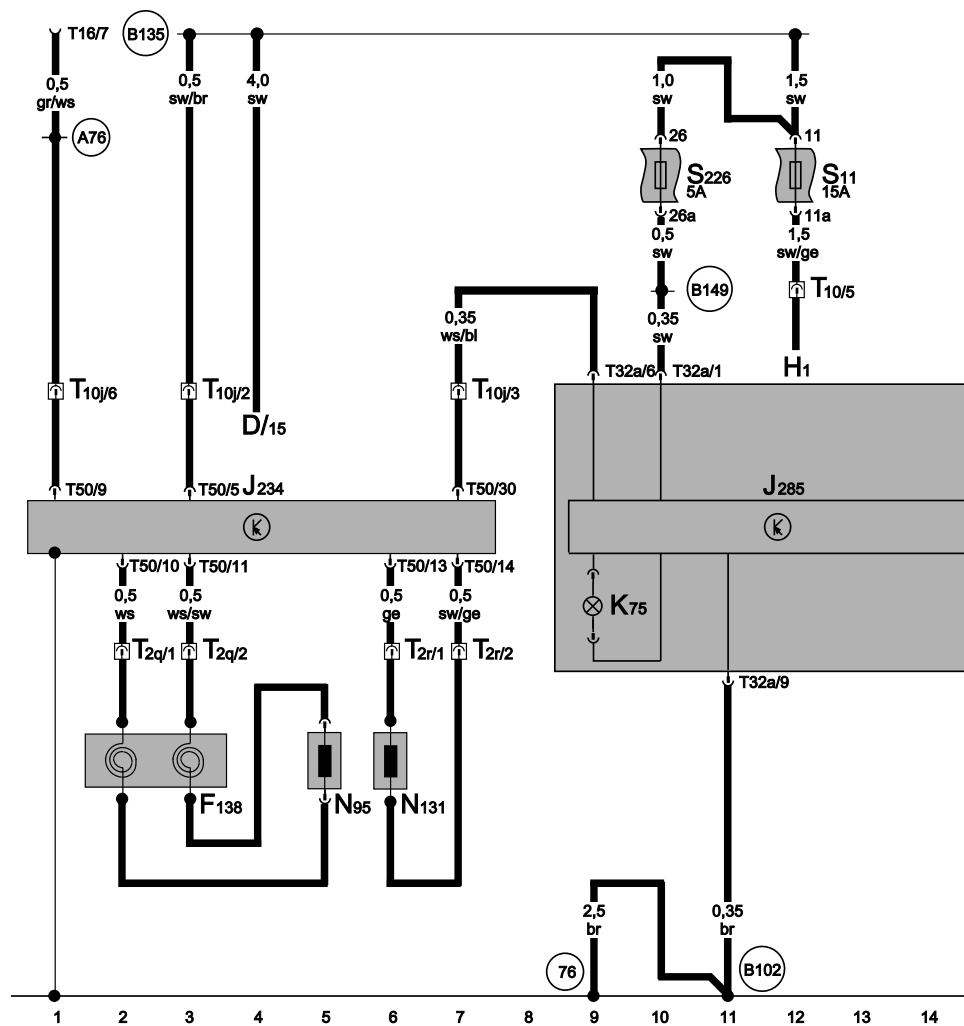
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Airbag control unit, airbag warning lamp, airbag igniter, airbag coil connector, self-diagnosis connector

- D Ignition/starter switch
- F138 Coil spring for airbag
- H1 Horn
- J234 Airbag control unit, behind console
- J285 Control unit with display in dash panel insert
- K75 Airbag warning lamp
- N95 Airbag igniter, driver side
- N131 Airbag igniter 1, front passenger side
- S11 Fuse in relay plate fuse box
- S226 Fuse in fuse holder
- T2q 2-pin connector, black, behind steering column switch trim
- T2r 2-pin connector, black, right behind dash panel
- T10 10-pin connector, white, near relay station
- T10j 10-pin connector, yellow, near relay station
- T16 16-pin connector, self-diagnosis connection, right in glove compartment
- T32a 32-pin connector, blue
- T50 50-pin connector, black

- 76 Earth point, near selector mechanism
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B135 Connection (15a), in interior wiring harness
- B149 Positive connection -2- (15a), in interior wiring harness



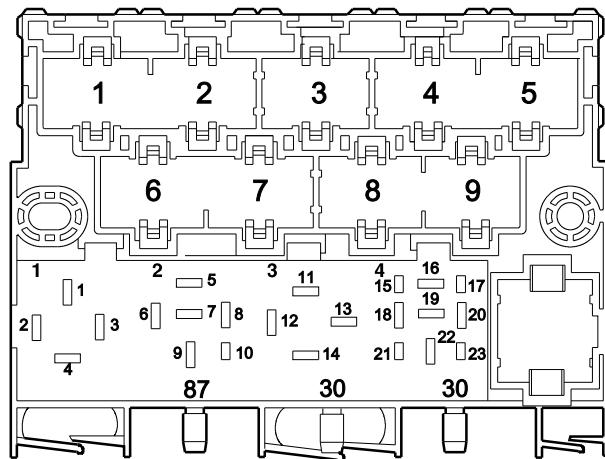
- ws = white
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- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

97-21847

Exterior mirror, heated and adjustable

From May 1997

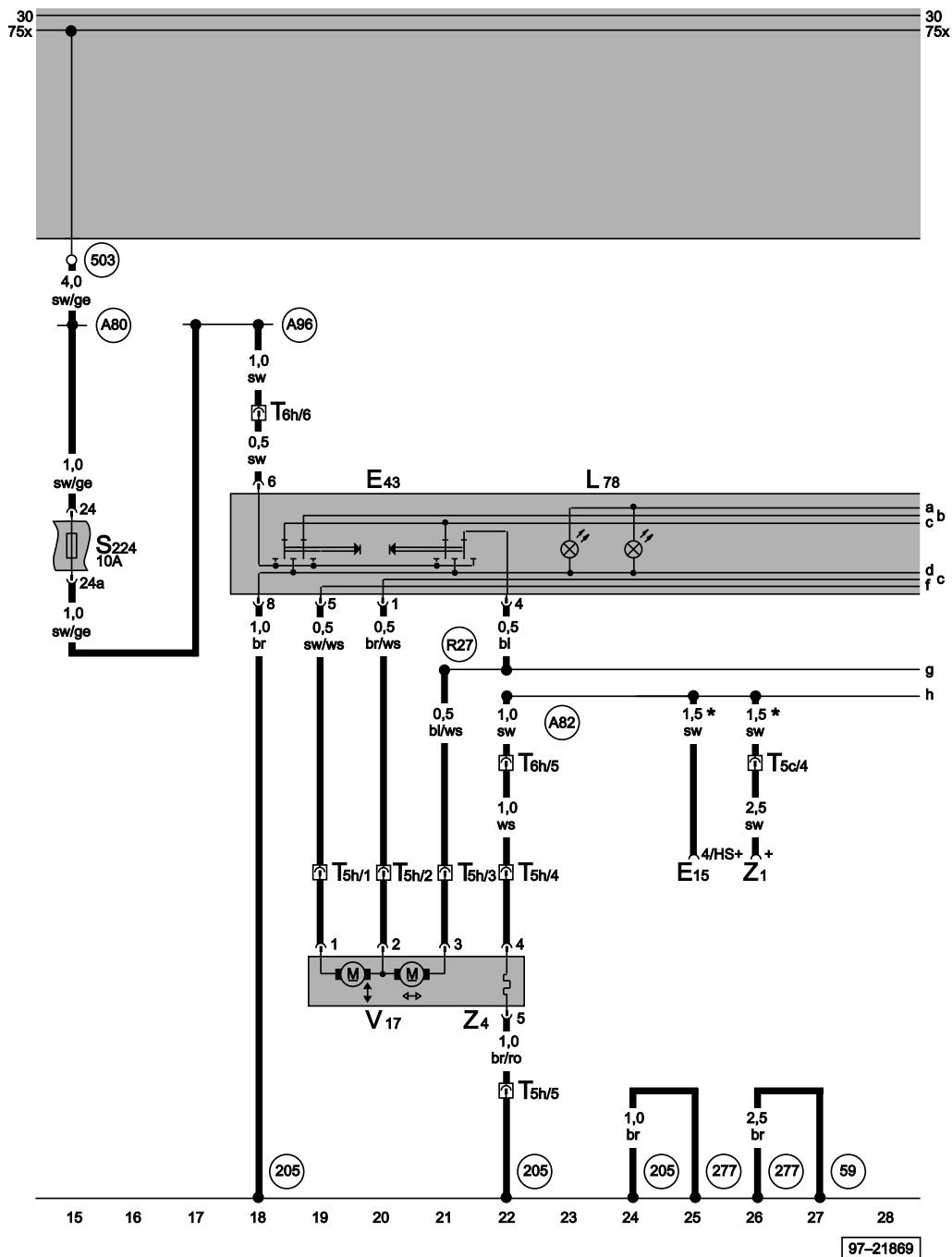
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

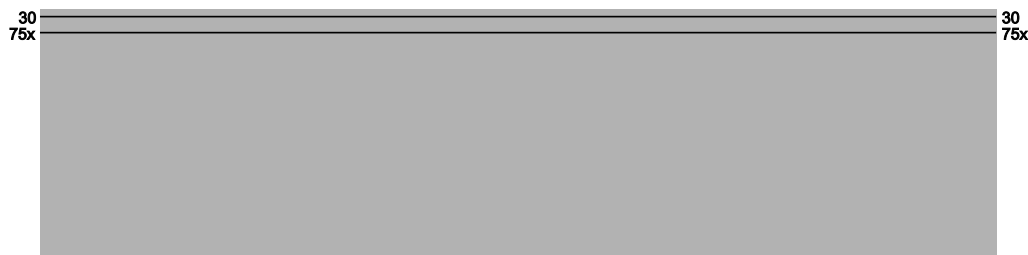
Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



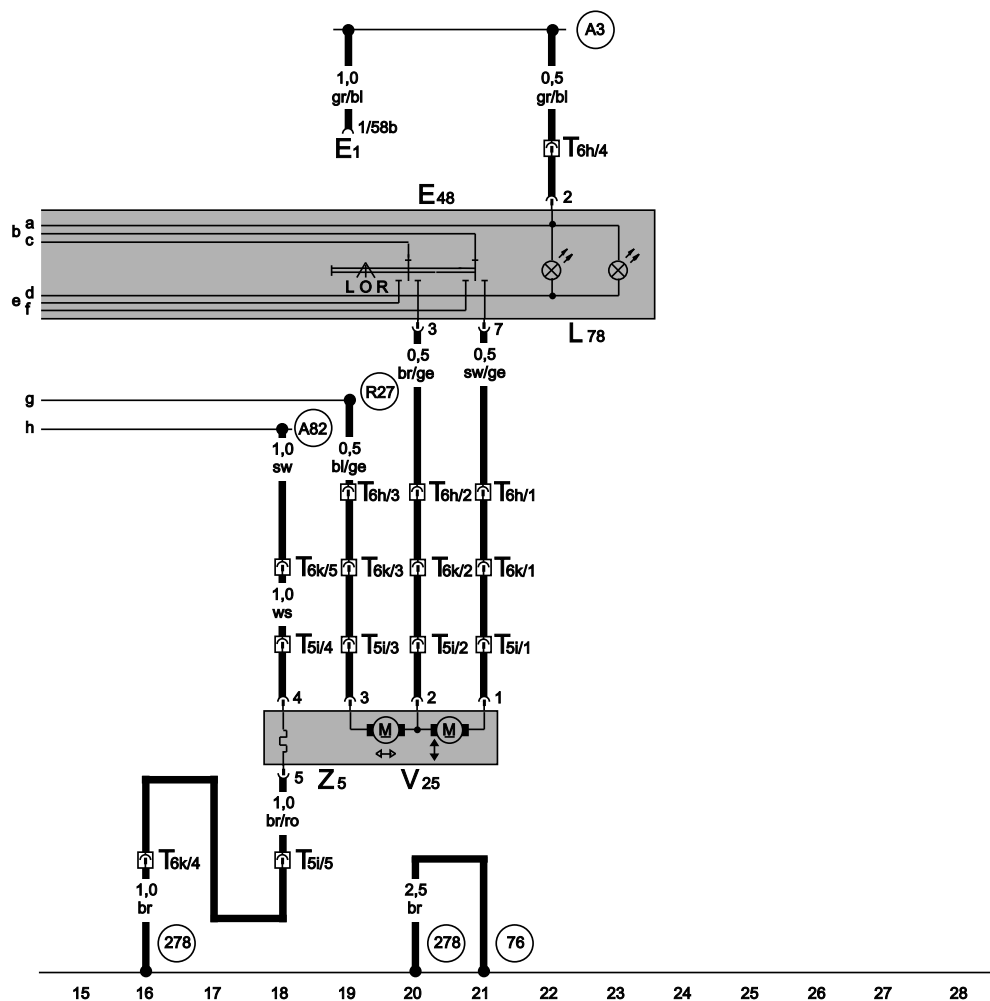
Mirror adjustment switch, mirror adjustment motor (driver's side), heated exterior mirror (driver's side)

- E15 Heated rear window switch
- E43 Mirror adjustment switch
- L78 Mirror adjustment switch illumination
- S224 Fuse in fuse holder
- T5c 5-pin connector, black, in tailgate wiring harness - feeder
- T5h 5-pin connector, black, in driver's door
- T6h pin connector, black, left on lower A-pillar
- V17 Mirror adjustment motor, driver's side
- Z1 Heated rear window
- Z4 Heated exterior mirror, driver's side
- 59 Earth point, near left-hand tail light
- 205 Earth connection, in driver's door wiring harness
- 277 Earth connection -3-, in interior wiring harness
- 503 Screw connection (75x), on relay plate
- A80 Connection -1- (X), in dash panel wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- A96 Connection (53a), in dash panel wiring harness
- R27 Connection (mirror adjustment), in driver's door wiring harness
- * 2.5 mm² cross section from model year 1998



Mirror adjustment change-over switch, mirror adjustment motor (passenger's side), heated exterior mirror (passenger's side)

- E1 Lighting switch
- E48 Mirror adjustment change-over switch
- L78 Mirror adjustment switch illumination
- T5i 5-pin connector, black, in passenger's door
- T6h pin connector, black, left on lower A-pillar
- T6k Single connector, black, right on lower A-pillar
- V25 Mirror adjustment motor, front passenger side
- Z5 Heated exterior mirror, front passenger's side
- 76 Earth point, near selector mechanism
- 278 Earth connection -4-, in interior wiring harness
- A3 Positive (+) connection (58), in dash panel wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- R27 Connection (mirror adjustment), in driver's door wiring harness

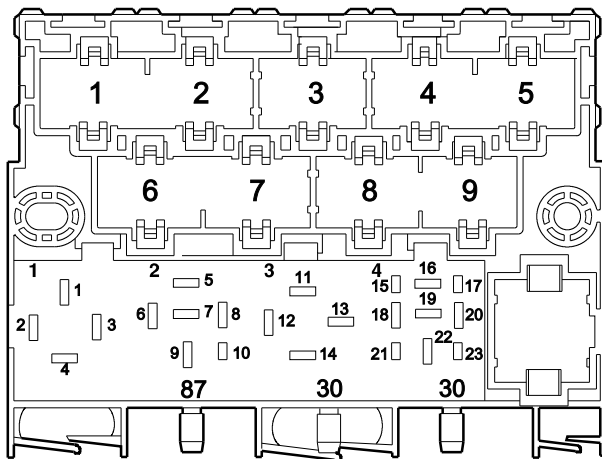


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

Fabric sunroof

From May 1997

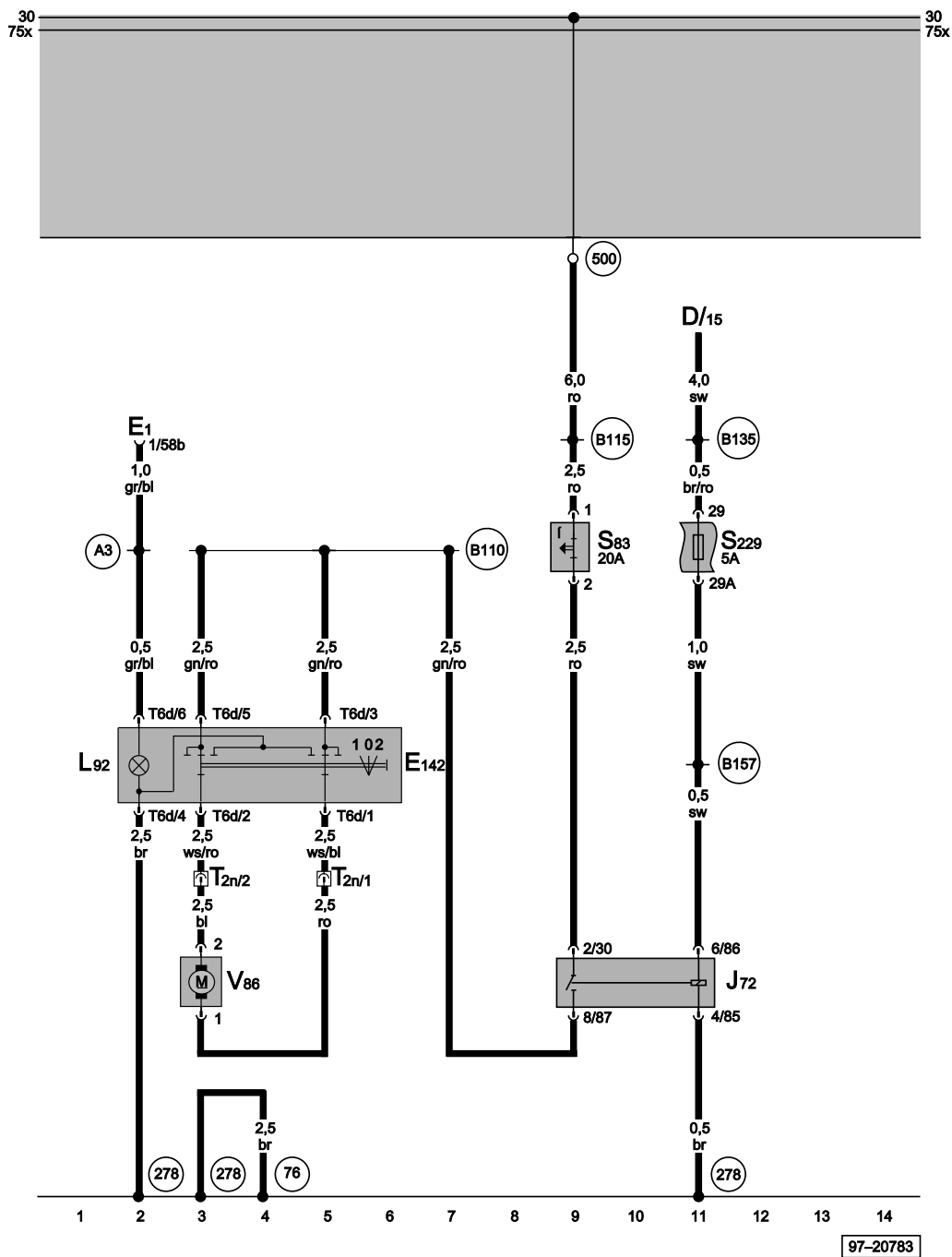
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Folding sliding roof switch, folding sliding roof motor, folding sliding roof relay

- D Ignition/starter switch
- E1 Lighting switch
- E142 Fabric sunroof switch
- J72 Sliding sunroof relay
- L92 Folding fabric sunroof switch illumination
- S83 Sliding sunroof thermo-fuse
- S229 Fuse in fuse holder
- T2n 2-pin connector, black, left behind dash panel
- T6d 6-pin connector, black
- V86 Folding fabric sunroof motor

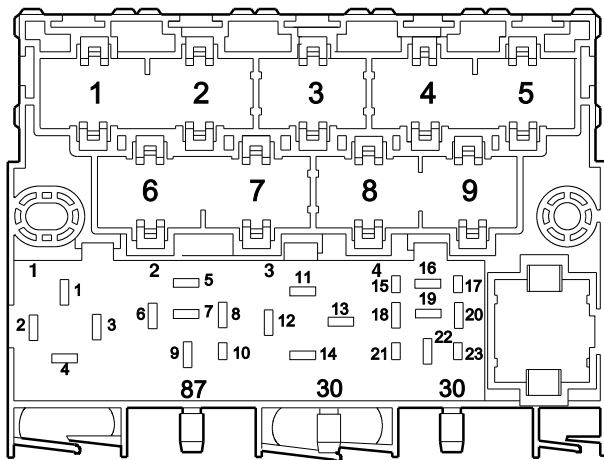
- 76 Earth point, near selector mechanism
- 278 Earth connection -4-, in interior wiring harness
- 500 Screw connection -1- (30), on relay plate
- A3 Positive (+) connection (58), in dash panel wiring harness
- B110 Connection (30, electric windows), in interior wiring harness
- B115 Positive connection (30, central electrics), in interior wiring harness
- B135 Connection (15a), in interior wiring harness
- B157 Positive connection -3- (15a), in interior wiring harness

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Window lifter, front

From May 1997

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

Air conditioning system

From May 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

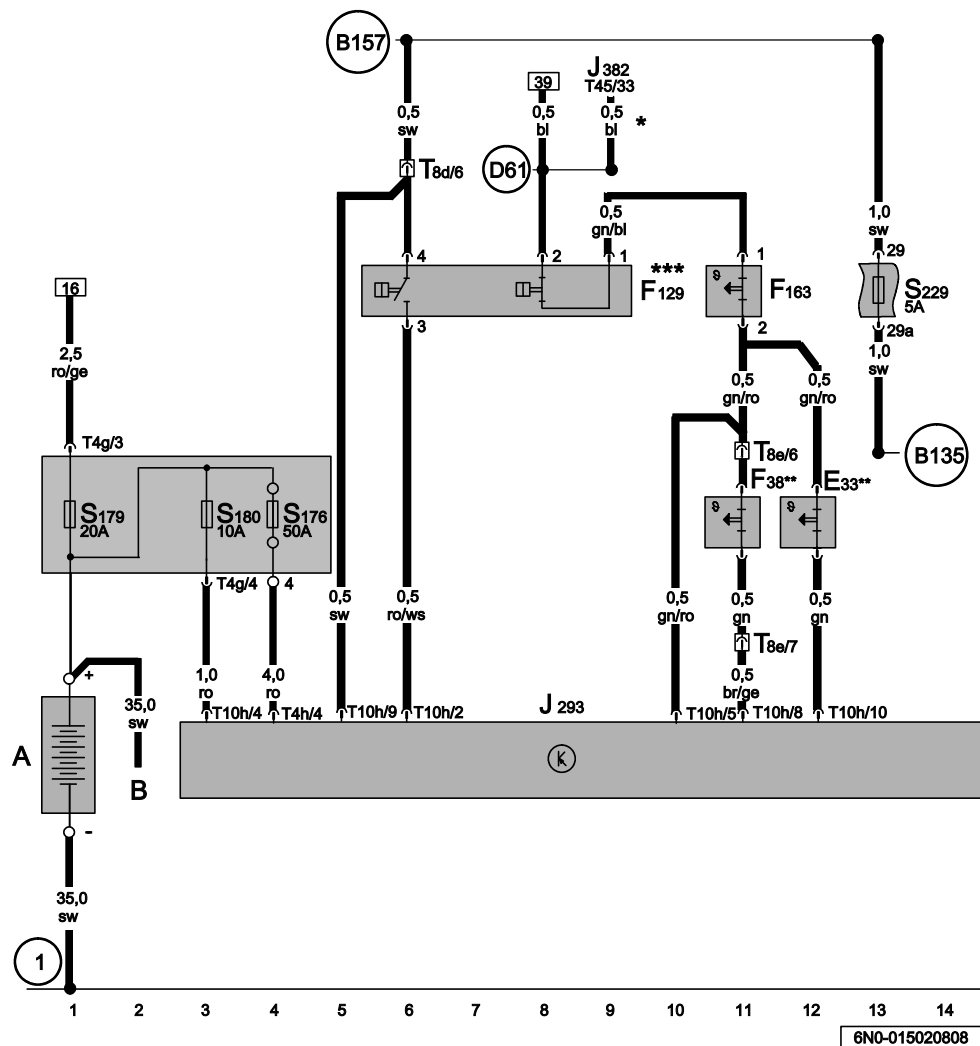
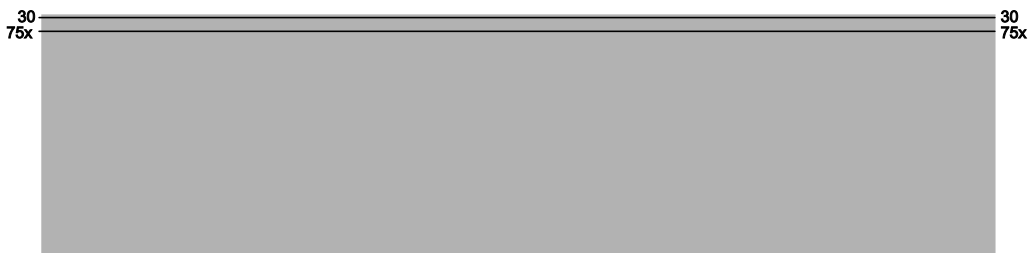
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding



Radiator fan control unit, air conditioning system pressure switch, ambient temperature sender

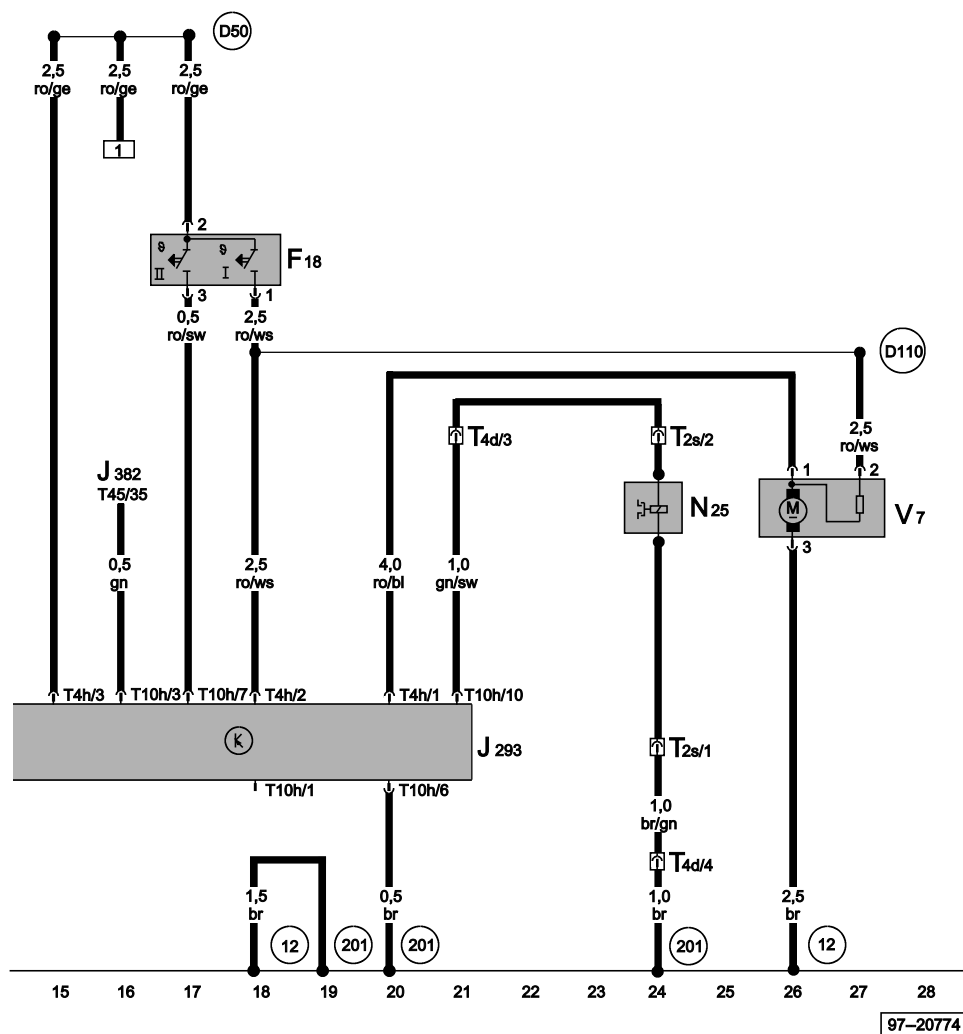
- A Battery
- B Starter
- E33 Temperature switch for evaporator, in air conditioner unit
- F38 Ambient temperature switch, in plenum chamber
- F129 Air conditioning system pressure switch
- F163 Air conditioning system shut-off thermal switch, on engine
- J293 Radiator fan control unit, in front left of engine compartment
- J382 1AV injection system control unit
- S176 Fuse 4 (30), on battery fuse holder
- S179 Fuse 7 (30), on battery fuse holder
- S180 Fuse 8 (30), on battery fuse holder
- S229 Fuse on fuse holder
- T4g 4-pin connector, black, near battery
- T4h 4-pin connector, black
- T8d 8-pin connector, black, behind dash panel
- T8e 8-pin connector, black
- T10h 10-pin connector, black
- T45 45-pin connector
- 1 Earth strap, battery - body
- B135 Connection 1 (15a), in interior wiring harness
- B157 Positive connection 3 (15a), in interior wiring harness
- D61 Connection (air conditioning system), in engine compartment wiring harness
- * Not for engine code AER
- ** Optional installation
- *** Up to September 1999

ws = white
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ge = yellow
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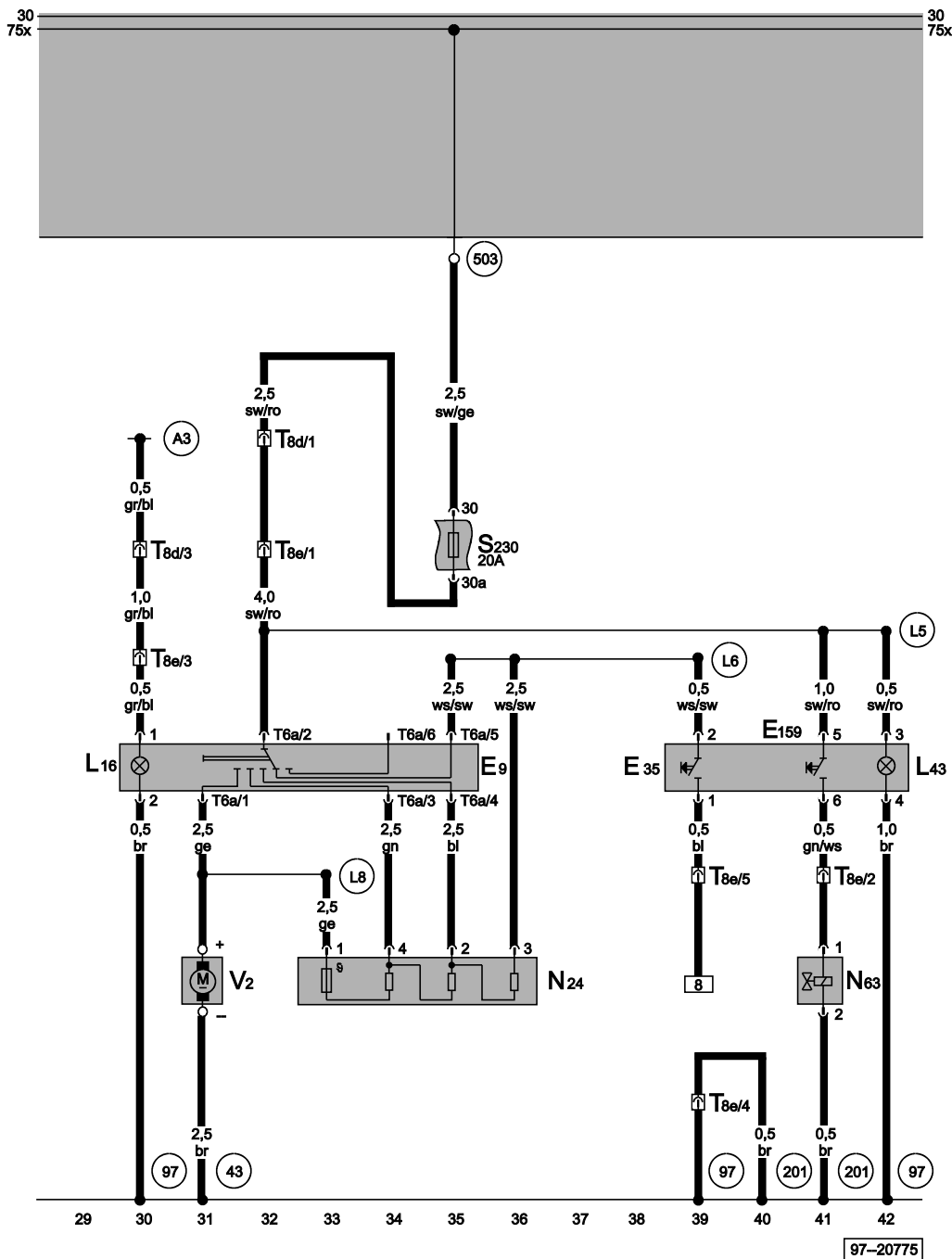
Radiator fan control unit, magnetic coupling for radiator fan

- F18 Thermal switch for radiator fan
- J293 Radiator fan control unit, in front left of engine compartment
- J382 1AV injection system control unit, right in plenum chamber
- N25 Air conditioning system magnetic clutch
- T4d 4-pin connector, black, on gearbox
- T2s 2-pin connector, black, near compressor
- T4h 4-pin connector, black
- T10h 10-pin connector, black
- T45 45-pin connector, black
- V7 Radiator fan

- 12 Earth point, on left in engine compartment
- 201 Earth connection 5, in engine compartment wiring harness
- D50 Positive connection (30), in engine compartment wiring harness
- D110 Connection 8, in engine compartment wiring harness



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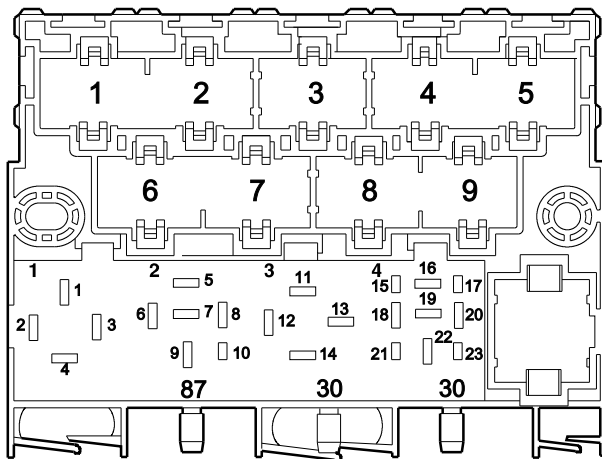
Fresh air blower switch, air conditioning system switch, fresh air/recirculated air flap switch

- E9 Fresh air blower switch
- E35 Air conditioning system switch
- E159 Fresh air/air recirculation flap switch
- L16 Fresh air regulator illumination bulb
- L43 Air conditioning system switch illumination bulb
- N24 Fresh air blower series resistor with overheating fuse
- N63 Fresh air/air recirculation flap two-way valve
- S230 Fuse on fuse holder
- T6a 6-pin connector, black
- T8d 8-pin connector, black, behind dash panel
- T8e 8-pin connector, black, on left behind console
- V2 Fresh air blower
- 43 Earth point, lower part of right A-pillar
- 97 Earth connection 1, in air conditioning system wiring harness
- 201 Earth connection 5, in engine compartment wiring harness
- 503 Screw connection (75x), on relay plate
- A3 Positive connection (58), in dash panel wiring harness
- L5 Connection 1, in evaporator housing unit wiring harness
- L6 Connection 2, in evaporator housing unit wiring harness
- L8 Connection 4, in evaporator housing unit wiring harness

Seat heating, driver's and passenger's side

From May 1997

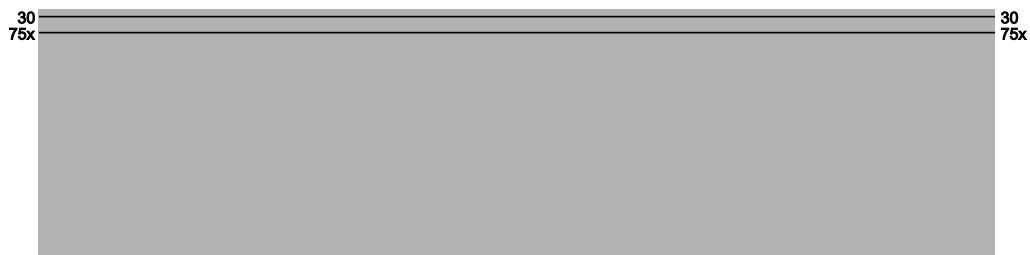
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

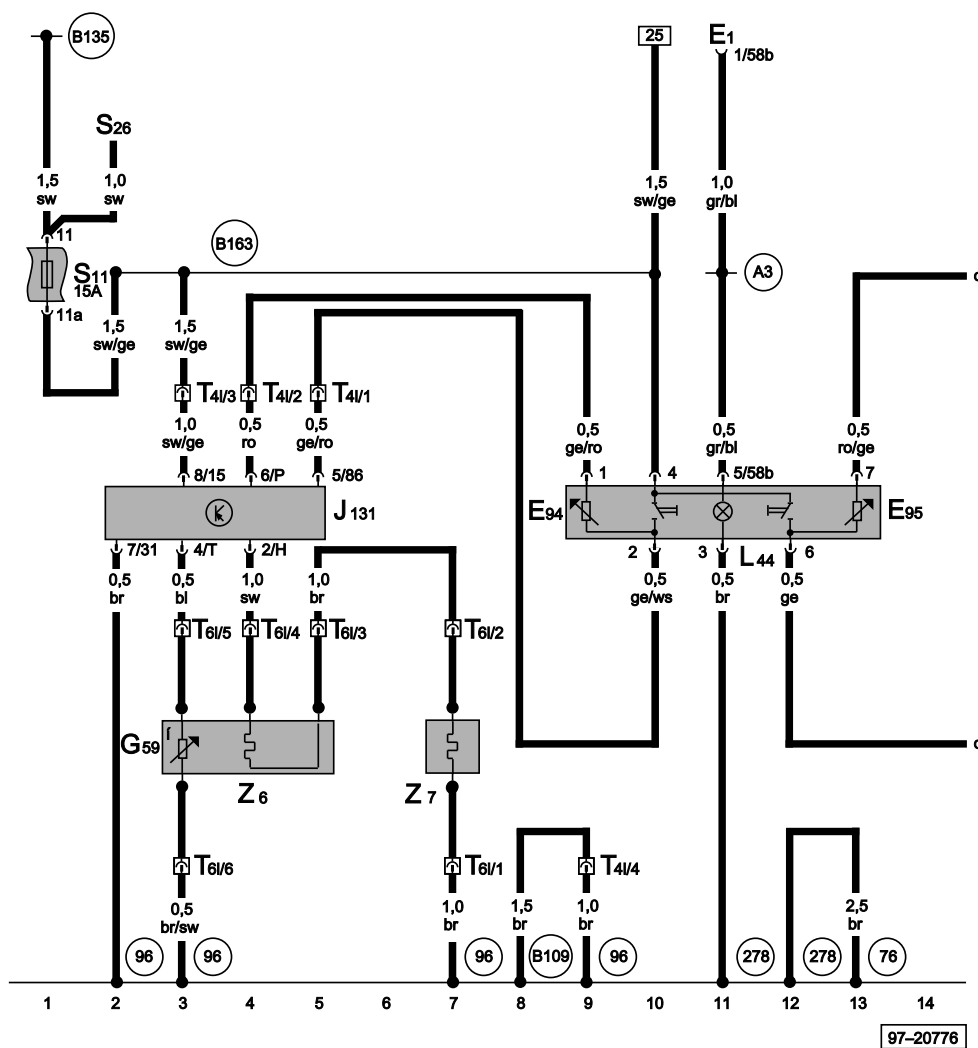


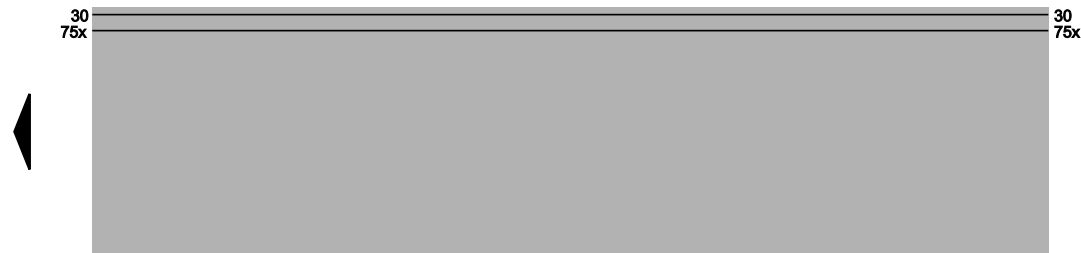
Driver's seat heating

- E1 Lighting switch
- E94 Heated driver seat adjuster
- E95 Heated front passenger seat adjuster
- G59 Driver's seat temperature sensor
- J131 Heated driver's seat control unit, under driver's seat
- L44 Seat heating switch light bulb
- S11 Fuse in relay plate fuse box
- S26 Fuse in relay plate fuse box
- T4l 4-pin connector, black, under driver's seat
- T6l 6-pin connector, black, under driver's seat
- Z6 Heated driver's seat
- Z7 Heated driver's seat backrest

- 76 Earth point, near selector mechanism
- 96 Earth connection -1-, in seat heating wiring harness
- 278 Earth connection -4-, in interior wiring harness
- A3 Positive (+) connection (58), in dash panel wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B135 Connection (15a), in interior wiring harness
- B163 Positive connection -1- (15a), in interior wiring harness

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 rs = pink

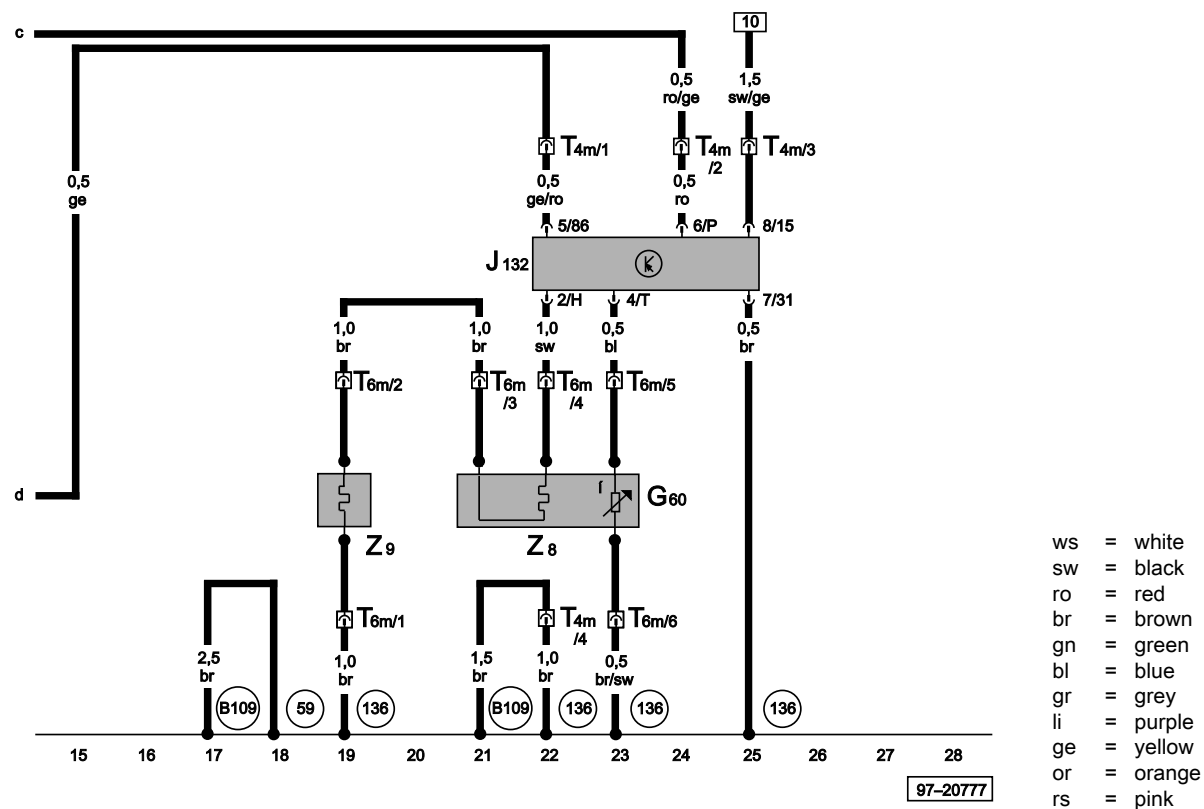




Front passenger's seat heating

- G60 Front passenger's seat temperature sensor
- J132 Heated front passenger's seat control unit, under front passenger's seat
- T4m 4-pin connector, black, under front passenger's seat
- T6m 6-pin connector, black, under front passenger's seat
- Z8 Heated front passenger's seat
- Z9 Heated front passenger seat backrest

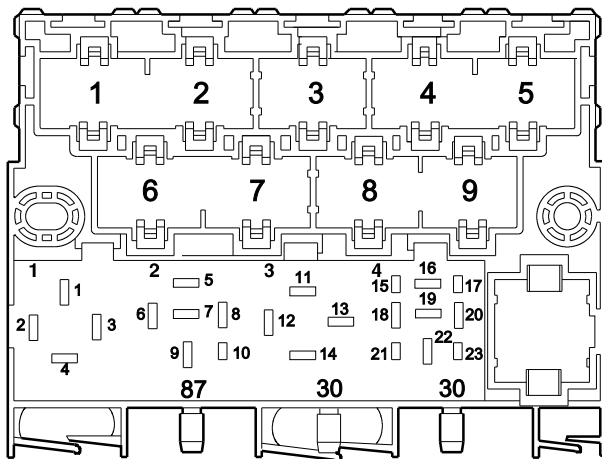
- 59 Earth point, near left-hand tail light
- 136 Earth connection -2-, in seat heating wiring harness
- B109 Earth connection, in rear left interior wiring harness



Headlight washer system

From May 1997

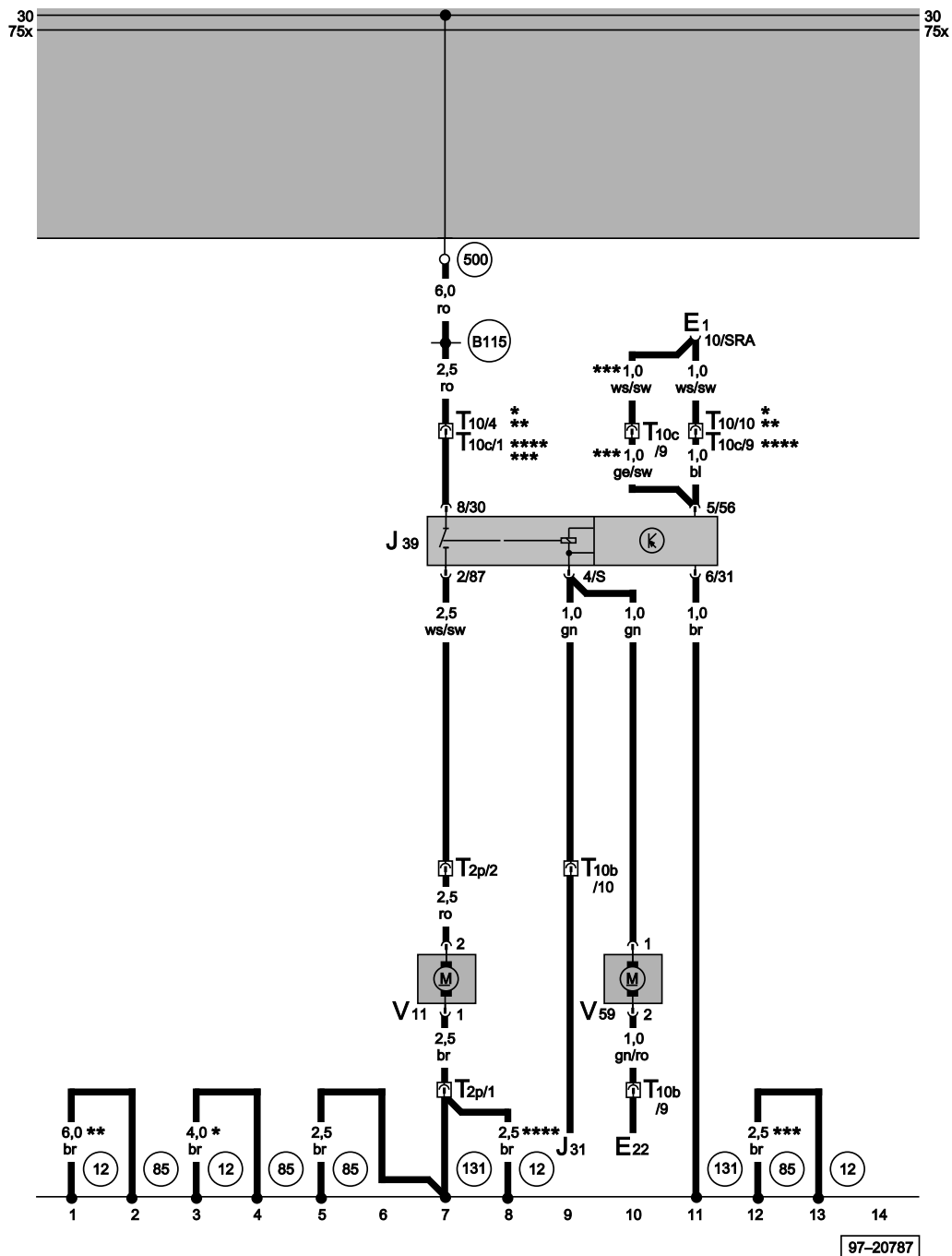
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Headlight washer system

- E1 Lighting switch
- E22 Intermittent wiper switch
- J31 Automatic intermittent wash/wipe relay, relay station
- J39 Headlight washer system relay, front in engine compartment
- T2p 2-pin connector, black, near headlight washer pump
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- V11 Headlight washer system pump
- V59 Windscreen and rear window washer pump

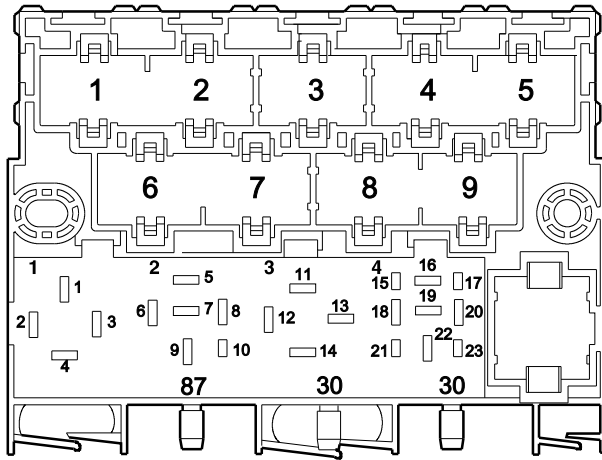
- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 131 Earth connection -3-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- B115 Positive connection (30, central electrics), in interior wiring harness
- * For petrol engine with manual gearbox only
- ** For petrol engine with automatic gearbox only
- *** For engine codes AGD and AHG only
- **** For engine code AEF only

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Daylight driving lights

From May 1997

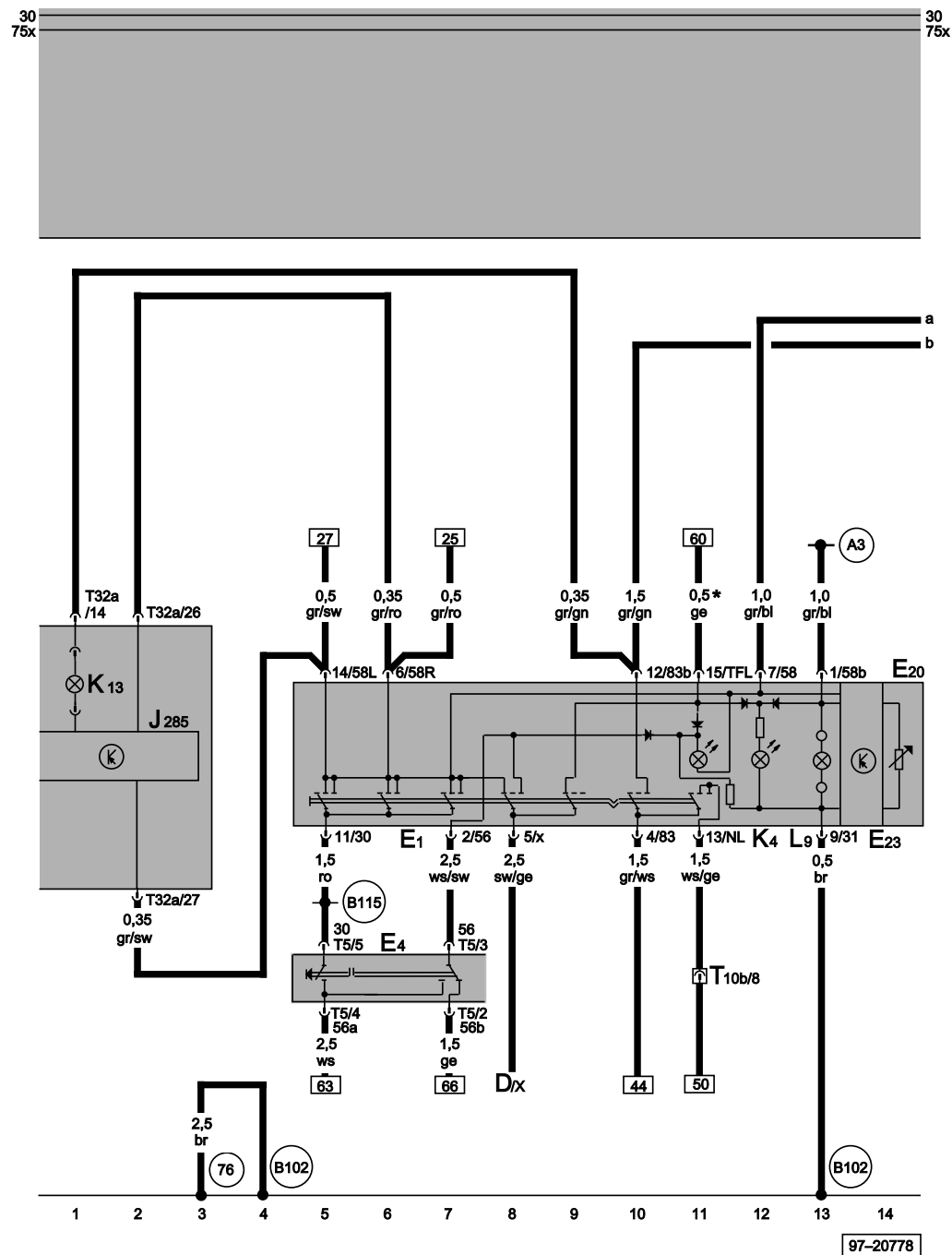
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

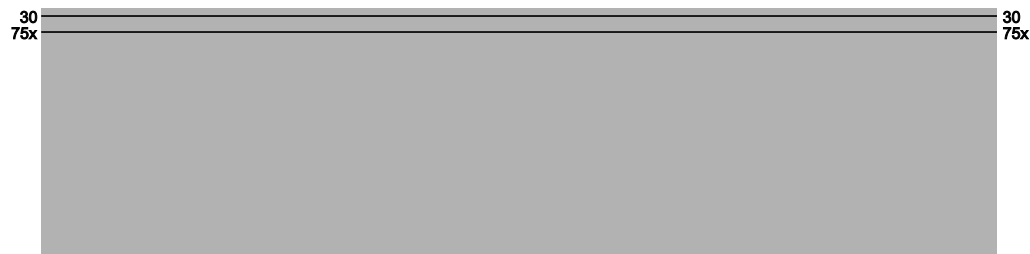


Lighting switch, switches and instruments - lighting control, dash panel insert, rear fog light warning lamp, headlight dipper/flasher switch

- D Ignition/starter switch
- E1 Lighting switch
- E4 Headlight dipper/flasher switch
- E20 Switches and instruments - lighting control
- E23 Front and rear fog light switch
- J285 Control unit with display in dash panel insert
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- L9 Lighting switch light bulb
- T5 5-pin connector, black, behind steering column switch trim
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert

- 76 Earth point, near selector mechanism
- A3 Positive (+) connection (58), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B115 Positive connection (30, central electrics), in interior wiring harness
- * Resistance wire

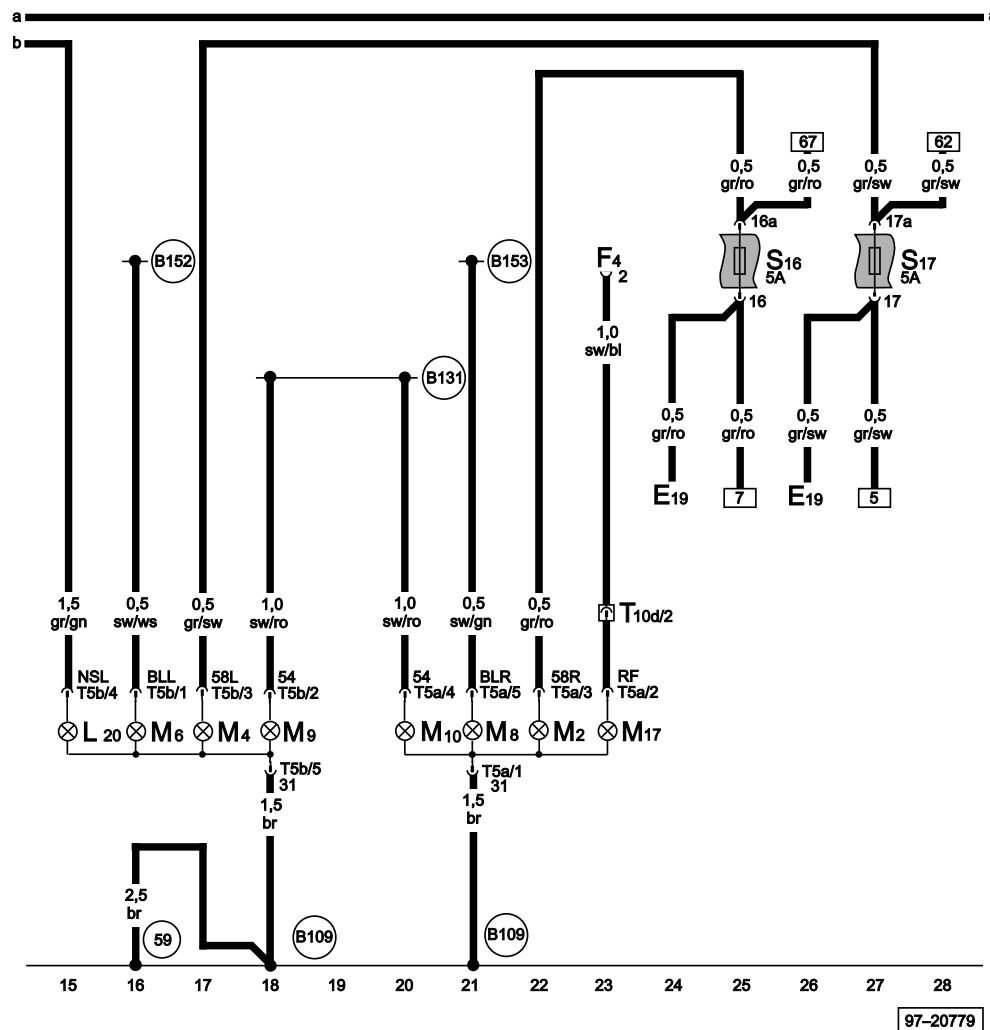
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 li = purple
 ge = yellow
 or = orange
 rs = pink



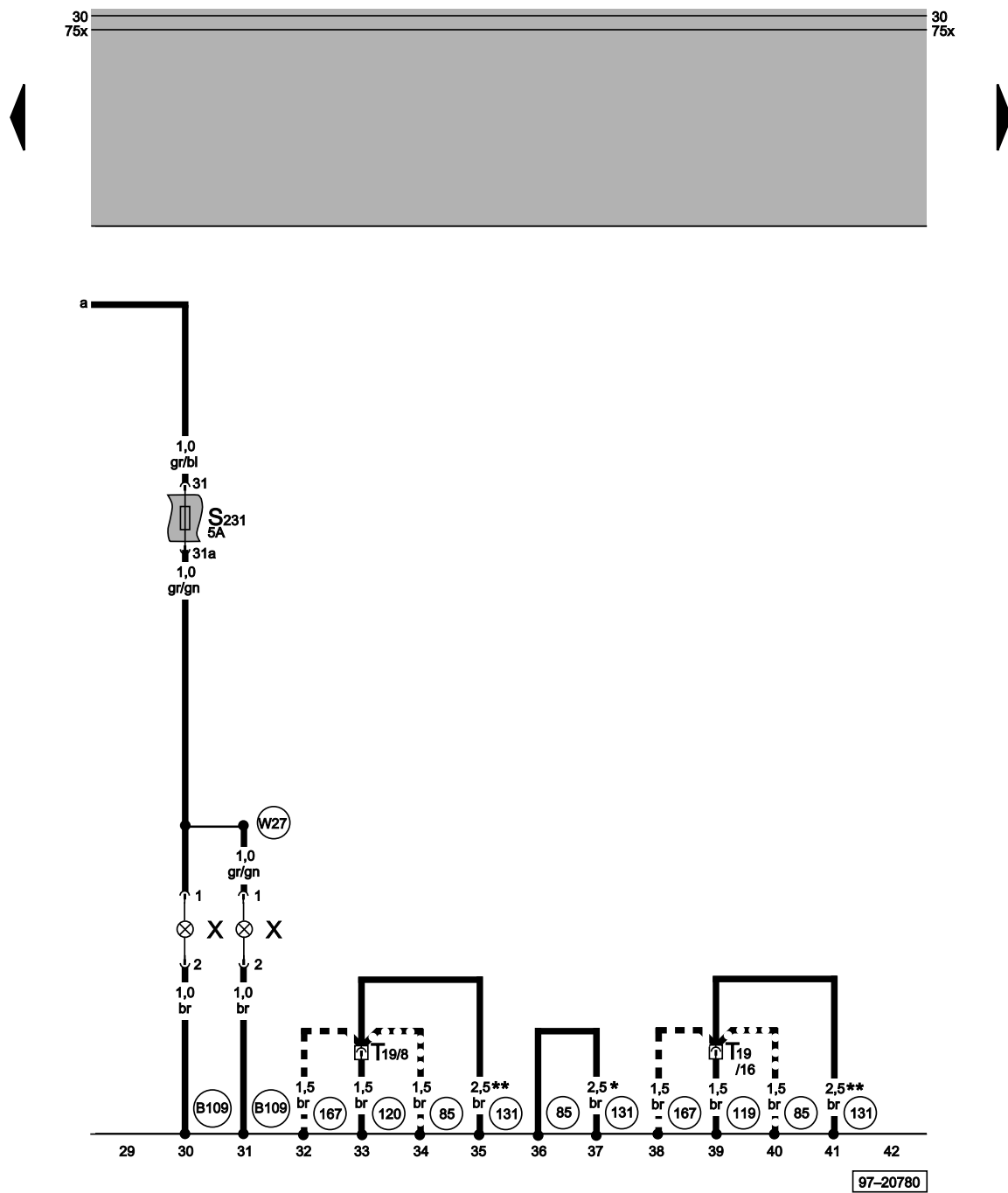
Tail light, brake light, rear fog light, rear turn signal

- E19 Parking light switch
- F4 Reversing light switch
- L20 Rear fog light bulb
- M2 Tail light bulb, right
- M4 Tail light bulb, left
- M6 Turn signal bulb, rear left
- M8 Turn signal bulb, rear right
- M9 Brake light bulb, left
- M10 Brake light bulb, right
- M17 Reversing light bulb, right
- S16 Fuse in relay plate fuse box
- S17 Fuse in relay plate fuse box
- T5a 5-pin connector, black, right on tail light
- T5b 5-pin connector, black, left on tail light
- T10d 10-pin connector, red, near relay station

- 59 Earth point, near left-hand tail light
- B109 Earth connection, in rear left interior wiring harness
- B131 Connection (54), in interior wiring harness
- B152 Connection (BL), in interior wiring harness
- B153 Connection (BR), in interior wiring harness



ws = white
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 li = purple
 ge = yellow
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 rs = pink



Number plate light

- S231 Fuse in fuse holder
- T19 19-pin connector, black, front left in engine compartment
- X Number plate light
- 85 Earth connection -1-, in engine compartment wiring harness
- 119 Earth connection -1-, in headlight wiring harness
- 120 Earth connection -2-, in headlight wiring harness
- 131 Earth connection -3-, in engine compartment wiring harness
- 167 Earth connection -4-, in engine compartment wiring harness
- B109 Earth connection, in rear left interior wiring harness
- W27 Positive connection (58), in tail light wiring harness

* For petrol engine only

** For diesel engine only

<fo:ext For petrol engine with automatic gearbox only

nal-

graphic

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<fo:ext For petrol engine with manual gearbox only

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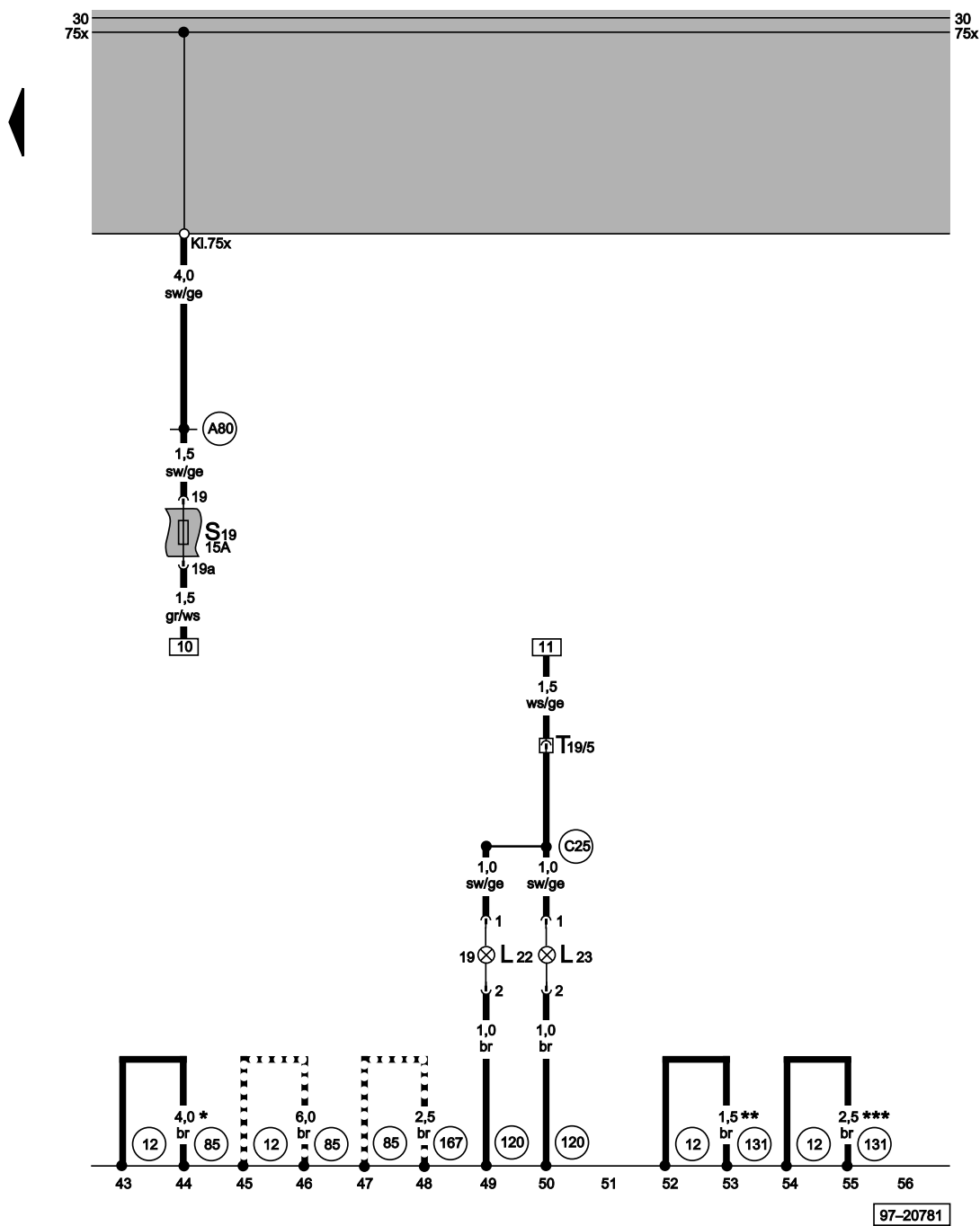
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ge	=	yellow	width="2
or	=	orange	0pt"
rs	=	pink	scaling="
			uniform"/
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Fog light bulbs

- L22 Rear fog light bulb
- L23 Rear fog light bulb
- S19 Fuse in relay plate fuse box
- T19 19-pin connector, black, front left in engine compartment

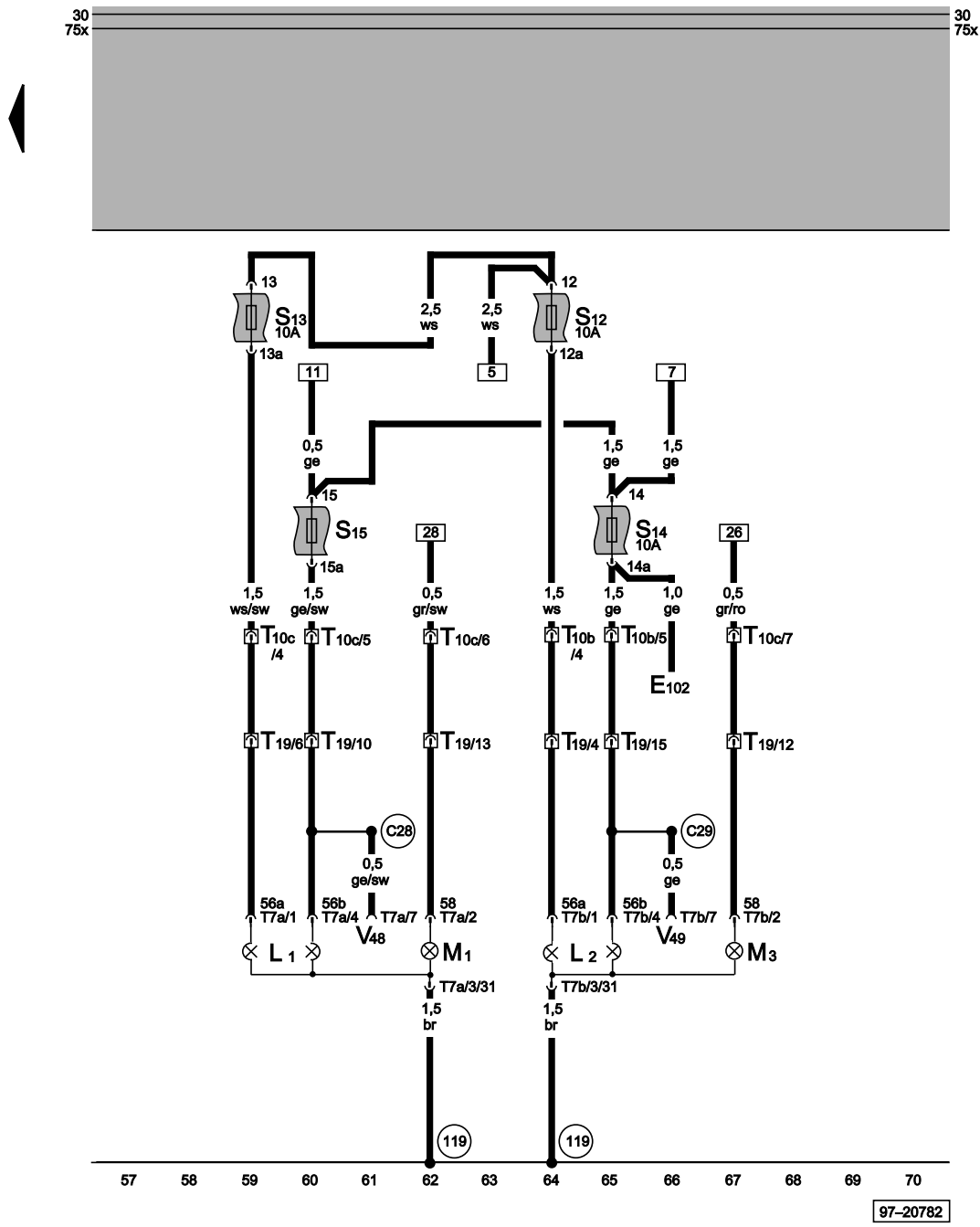
- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 120 Earth connection -2-, in headlight wiring harness
- 131 Earth connection -3-, in engine compartment wiring harness
- 167 Earth connection -4-, in engine compartment wiring harness
- A80 Connection -1- (X), in dash panel wiring harness
- C25 Connection (fog light), in front lighting wiring harness

- * For petrol engine with manual gearbox only
- ** For engine codes AGD and AHG only
- *** For engine code AEF only

<fo:extender For petrol engine with automatic gearbox only

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uniform"/
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Front bulbs

- E102 Headlight range control adjuster
- K1 Main beam warning lamp
- L1 Twin filament bulb/sealed beam insert, left
- L2 Twin filament bulb/sealed beam insert, right
- M1 Side light bulb, left
- M3 Side light bulb, right
- S12 Fuse in relay plate fuse box
- S13 Fuse in relay plate fuse box
- S14 Fuse in relay plate fuse box
- S15 Fuse in relay plate fuse box
- T7a 7-pin connector, black, near left headlight
- T7b 7-pin connector, black, near right headlight
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T19 19-pin connector, black, front left in engine compartment
- V48 Headlight range control motor, left
- V49 Headlight range control motor, right

119 Earth connection -1-, in headlight wiring harness

C28 Connection -1- (56b), in headlight wiring harness

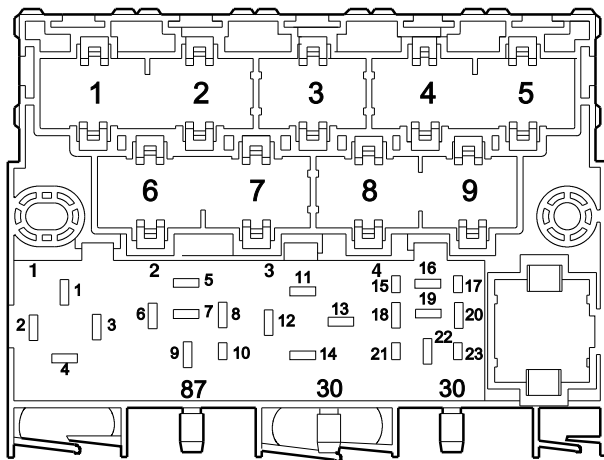
C29 Connection -2- (56b), in headlight wiring harness

* Resistance wire

Central locking system

From May 1997

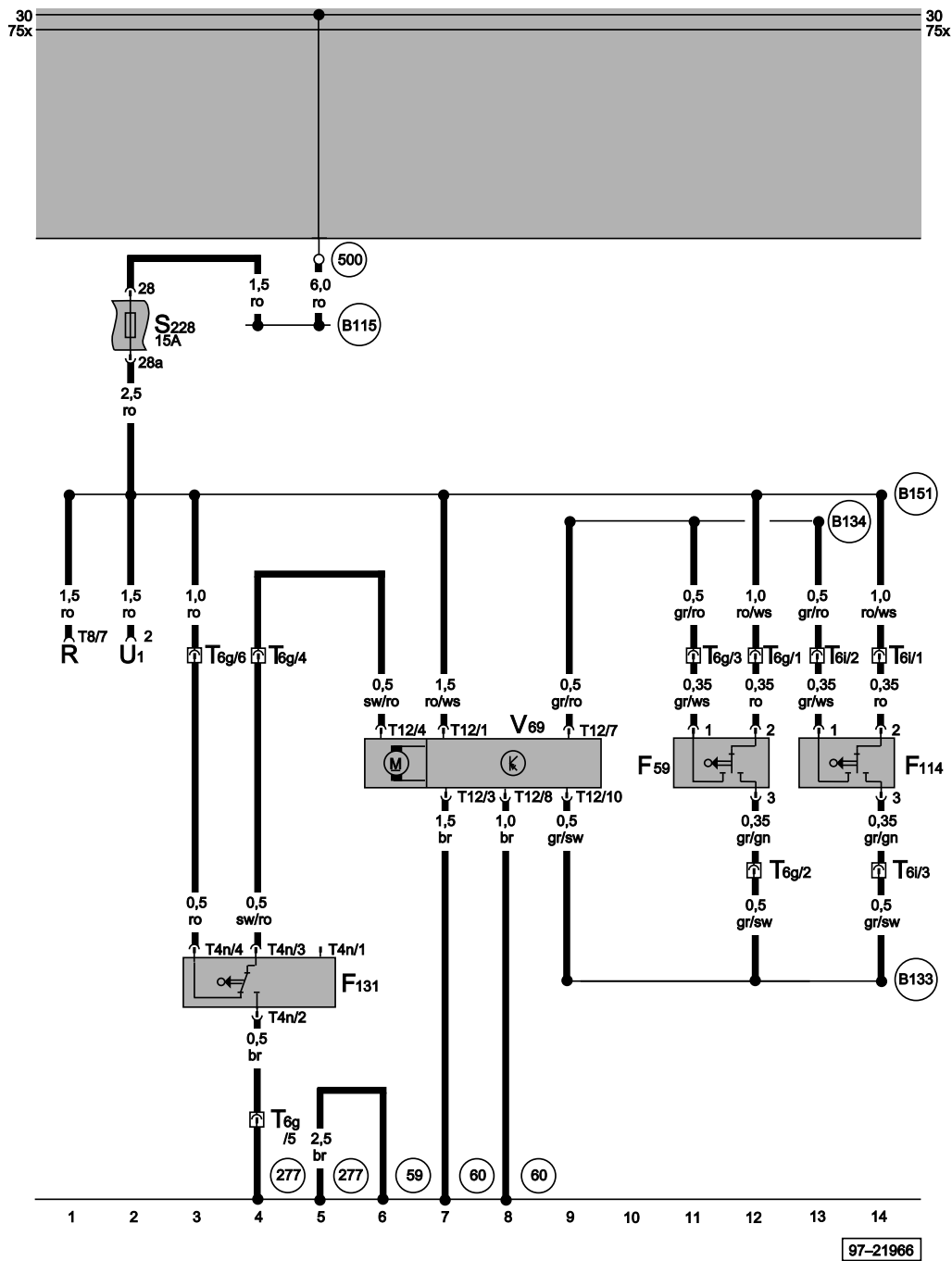
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Central locking, heater element for left lock cylinder

- F59 Central locking switch (driver's side)
- F114 Central locking switch (front passenger's side)
- F131 Central locking actuator, front left
- S228 Fuse in fuse holder
- T4n 4-pin connector, black
- T6g pin connector, black, near left lower A-pillar
- T6i pin connector, black, near right lower A-pillar
- T8 8-pin connector, black, on radio
- T12 12-pin connector, black
- R Radio
- U1 Cigarette lighter
- Z22 Heater element, left lock cylinder
- V69 Central locking pump with control unit

- 59 Earth point, near left-hand tail light
- 60 Earth point -2-, near right tail light
- 277 Earth connection -3-, in interior wiring harness
- 500 Screw connection -1- (30), on relay plate
- B115 Positive connection (30, central electrics), in interior wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- B151 Positive connection -3- (30a), in interior wiring harness

1.9 l/47 kW - diesel engine, engine code AGD

From May 1996

1.7 l/42 kW - diesel engine, engine code AHG

From May 1996

1.7 l/44 kW - diesel engine, engine code AKU

from September 1997

Notes:

For information concerning

◆ Relay and fuse assignment

◆ Multi-pin connectors

◆ Control units and relays

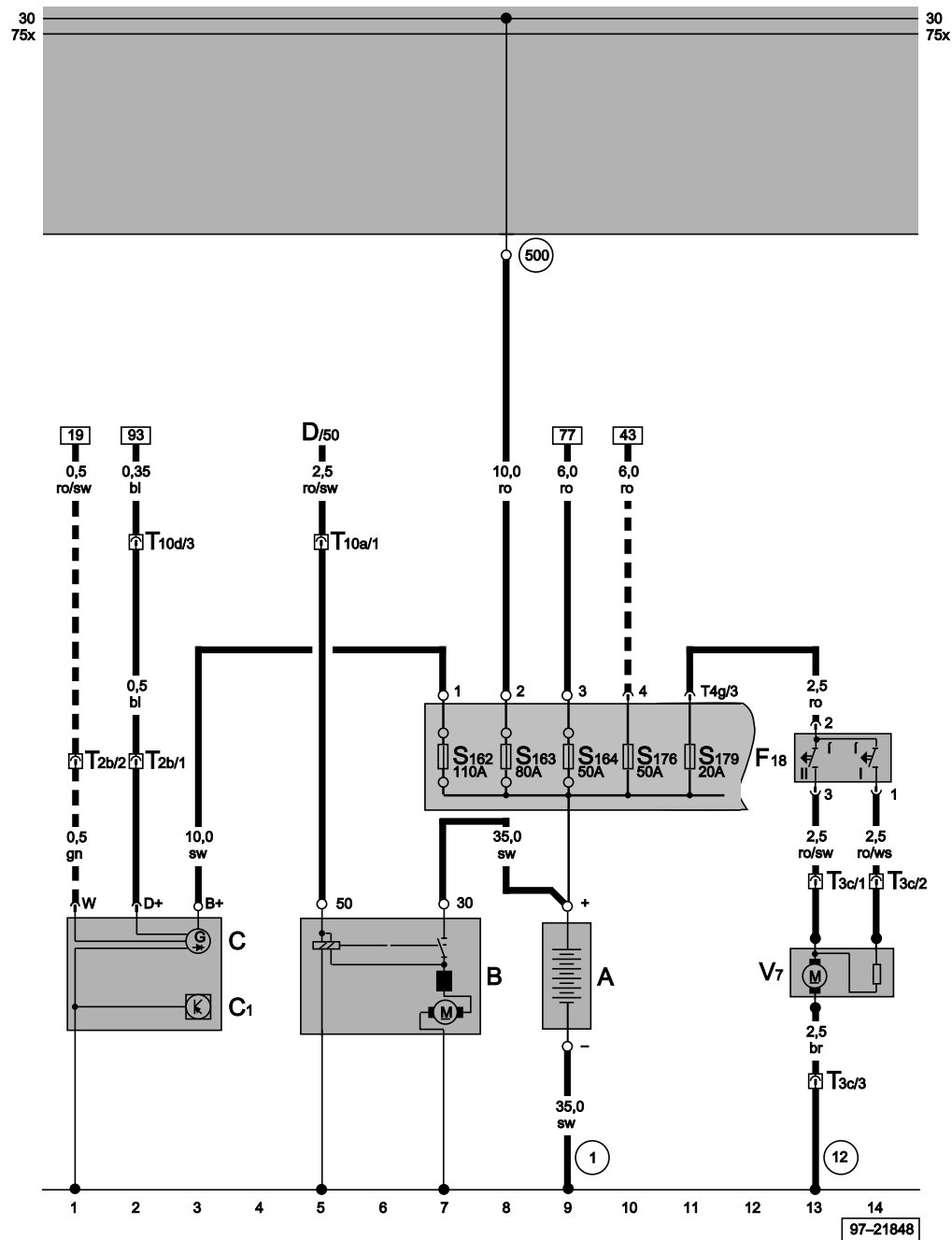
◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

◆ Fault Finding Programs

⇒ Guided Fault Finding

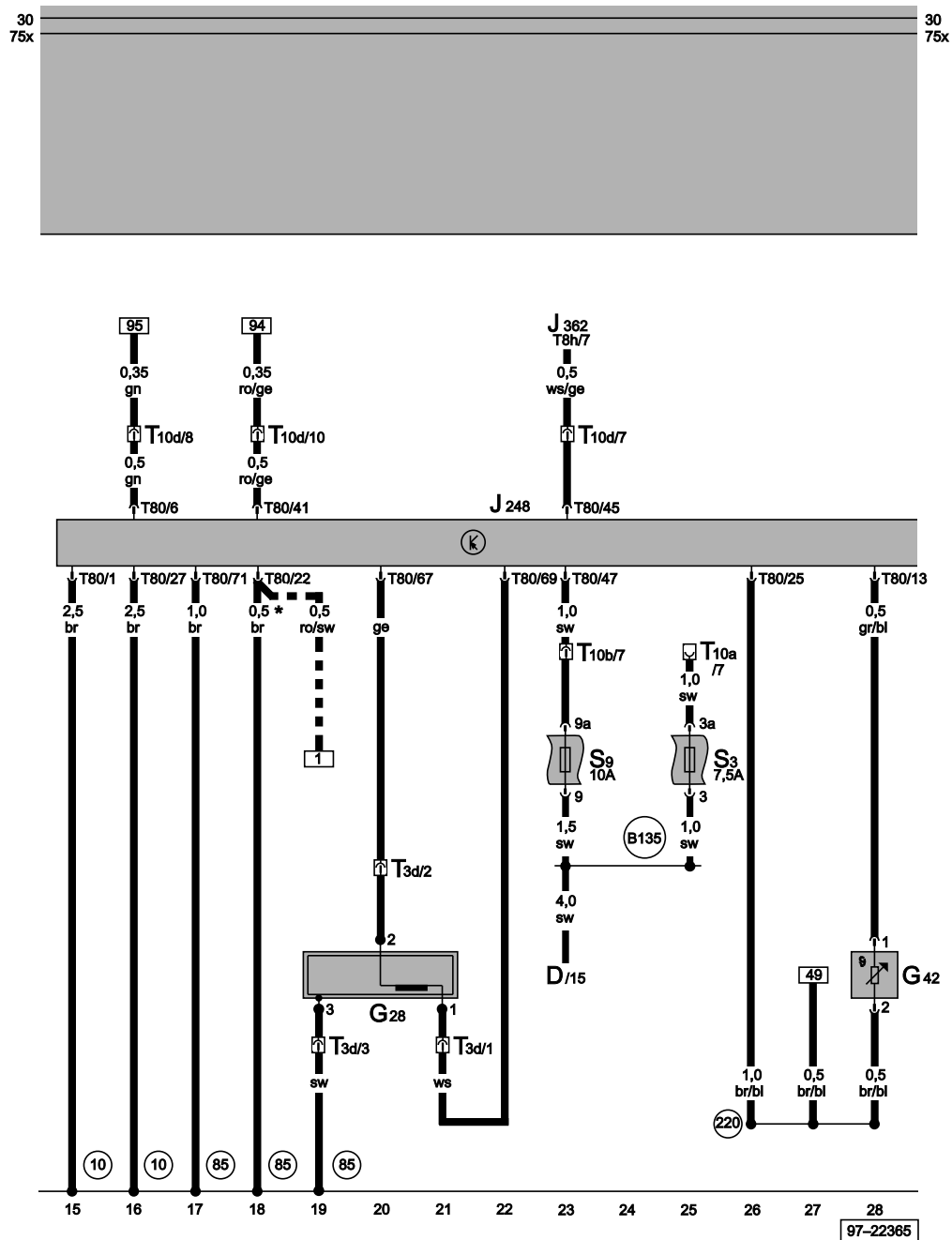


Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Thermal switch for radiator fan
- S162 Fuse 1 (30), on battery fuse holder
- S163 Fuse 2 (30), on battery fuse holder
- S164 Fuse 2 (30), on battery fuse holder
- S176 Fuse 4 (30), on battery fuse holder
- S179 Fuse 7 (30), on battery fuse holder
- T2b 2-pin connector, black, near starter
- T3c 3-pin connector, black, on radiator fan
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
 - 12 Earth point, on left in engine compartment
 - 500 Screw connection 1 (30), on relay plate
- Only models with coolant heater element

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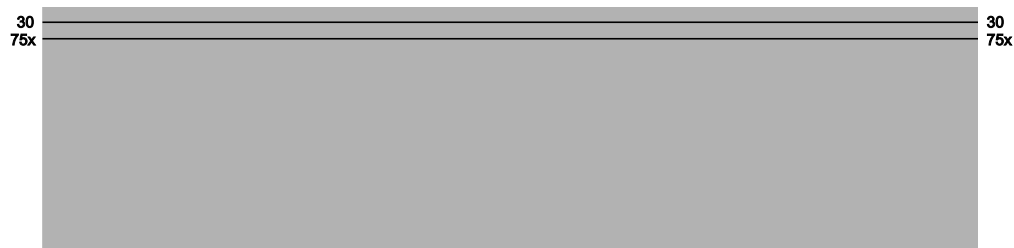
Diesel direct injection system control unit, engine speed sender, intake air temperature sender

- D Ignition/starter switch
- G28 Engine speed sender (00513)
- G42 Intake air temperature sender (00523)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J362 Immobilizer control unit, next to steering column
- S3 Fuse on fuse holder
- S9 Fuse on fuse holder
- T3d 3-pin connector, black, on left on cylinder head
- T8h 8-pin connector, black, on immobilizer control unit
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T80 80-pin connector, black

- 10 Earth point, in plenum chamber
- 85 Earth connection 1, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- B135 Connection (15a), in interior wiring harness

<fo:ext Only models with coolant heater element

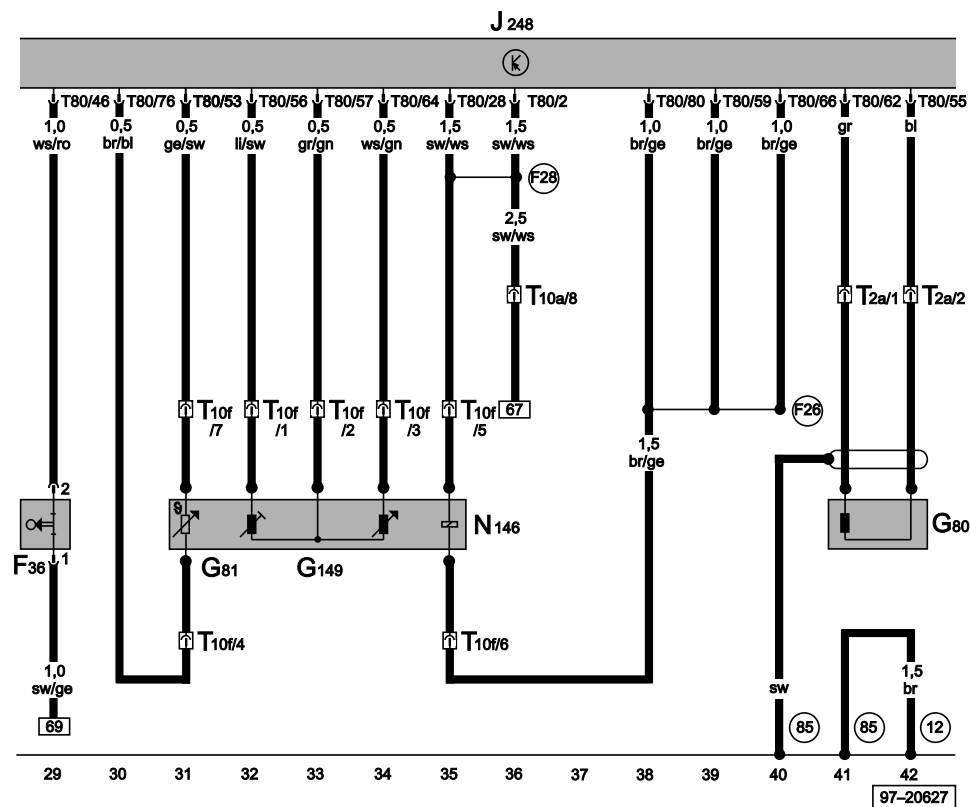
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uniform"/
>
* Not with coolant heater element



Diesel direct injection system control unit, metering adjuster, needle lift sender, fuel temperature sender, modulating piston movement sender

- F36 Clutch pedal switch (00650)
- G80 Needle lift sender (00542)
- G81 Fuel temperature sender (00539)
- G149 Modulating piston movement sender (00765)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- N146 Metering adjuster (01268)
- T2a 2-pin connector, brown, on left on cylinder head near injector pump
- T10a 10-pin connector, green, near relay station
- T10f 10-pin connector, black, on injection pump
- T80 80-pin connector, black

- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- F26 Connection 2, in diesel direct injection system wiring harness
- F28 Connection 3, in diesel direct injection system wiring harness



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- or = orange
- rs = pink

Diesel direct injection system control unit, accelerator position sender, coolant heater element relay, coolant heater element, exhaust gas recirculation valve

- G79 Accelerator position sender (00777)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J325 Coolant heater element relay, on coolant circuit (01160)
- J360 High heat output relay, on centre of bulkhead (01194)
- N18 Exhaust gas recirculation valve (01265)
- Q7 Glow plugs, coolant
- S109 Glow plug fuse - (coolant)
- T6b 6-pin connector, black, behind relay plate
- T10c 10-pin connector, blue, near relay station
- T24 24-pin connector, black, on engine
- T80 80-pin connector, black

B131 Connection (54), in interior wiring harness

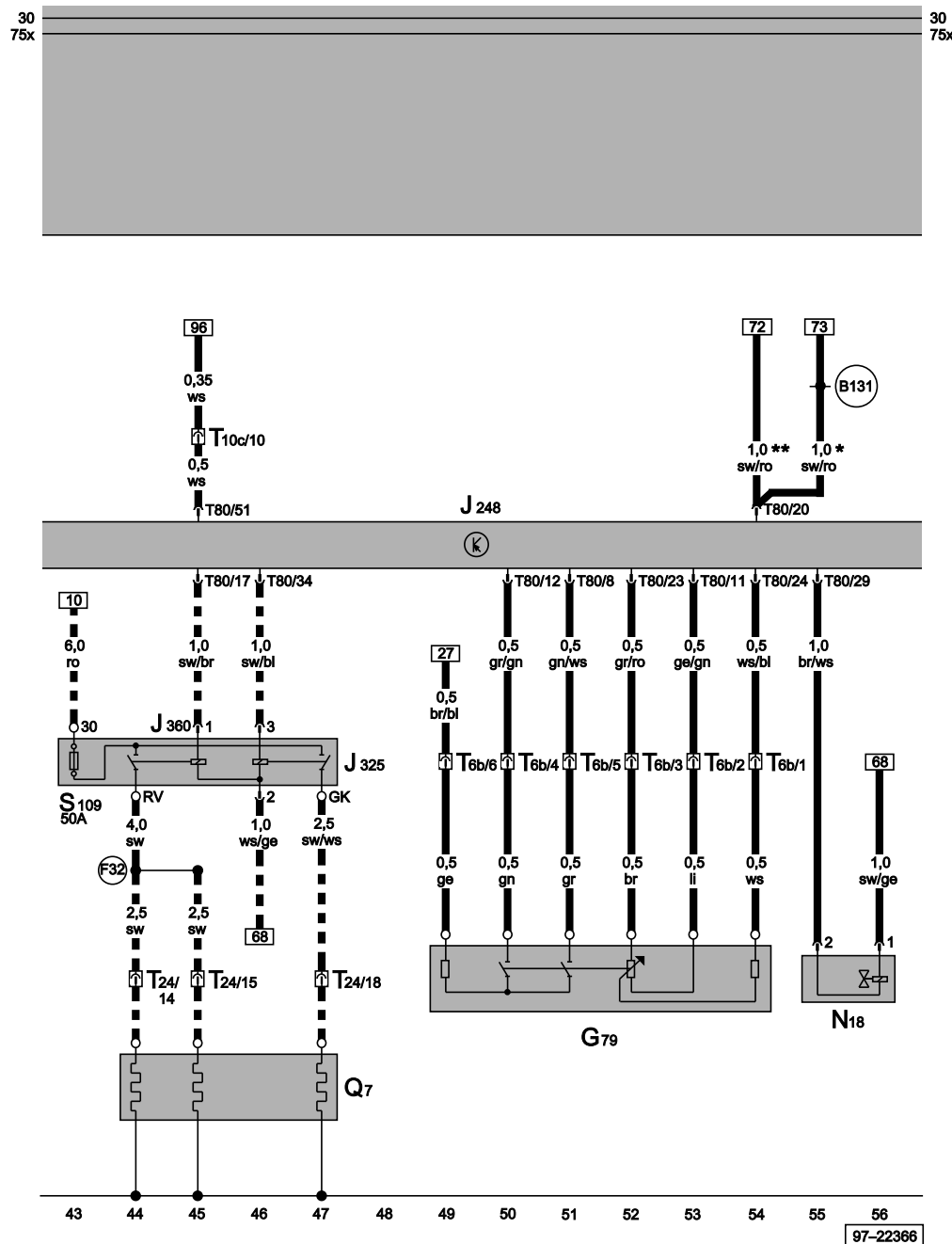
F32 Connection (glow plugs, coolant) in diesel direct injection system wiring harness

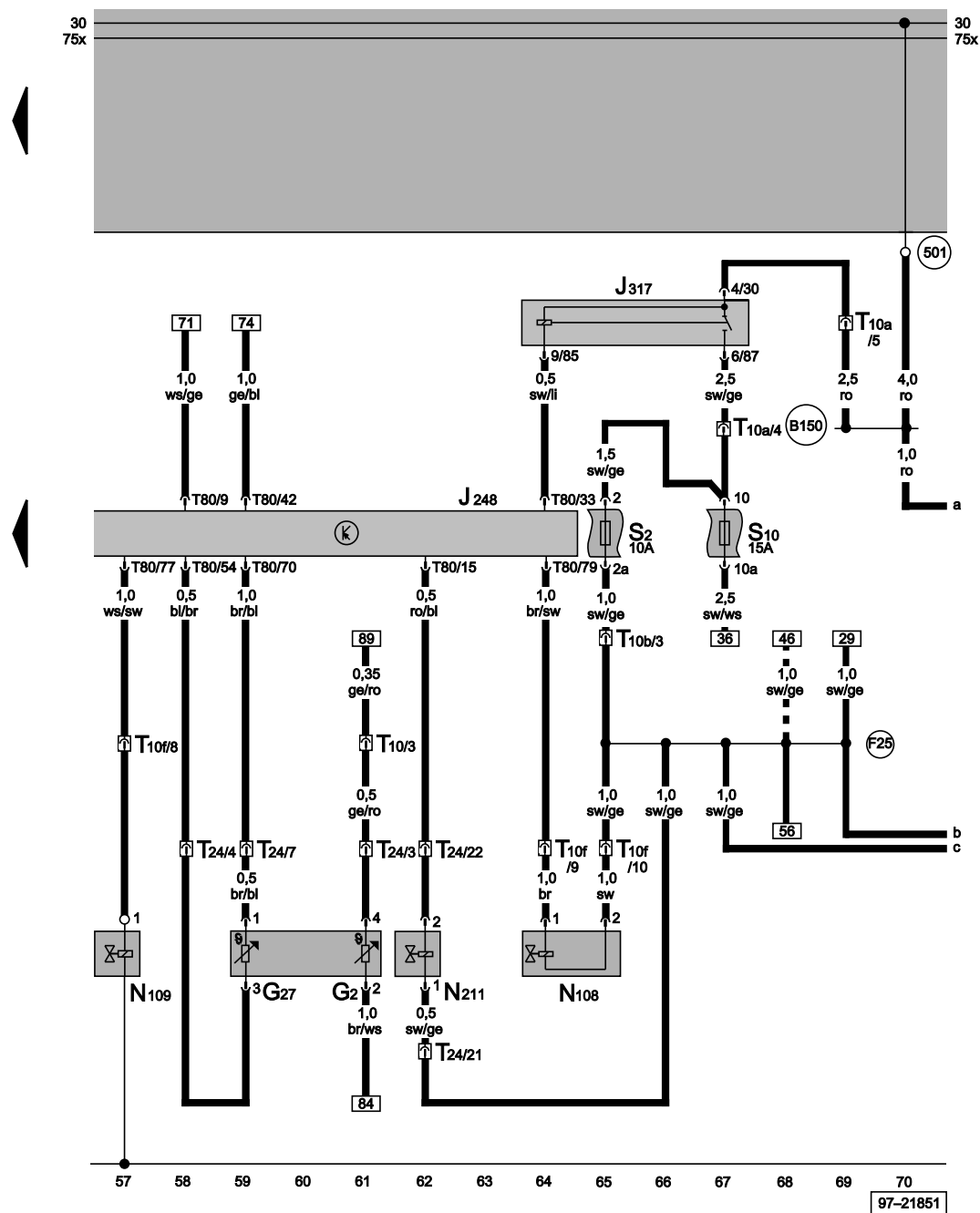
<fo:exter Only models with coolant heater element

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* Only models with ABS with EDL
** Not models with ABS with EDL

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





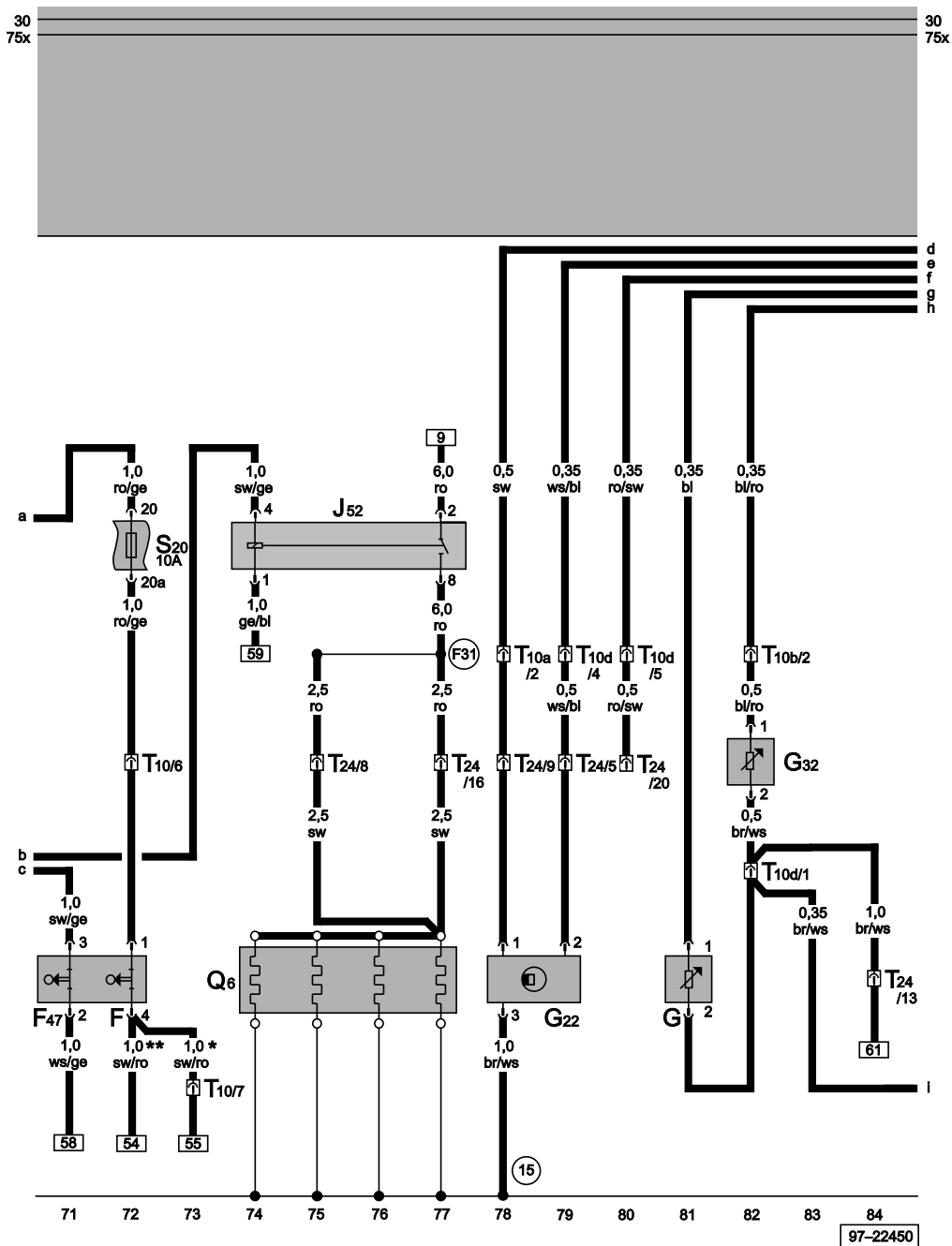
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sw = black
ro = red
br = brown
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Diesel direct injection system control unit, engine temperature sender, coolant temperature sender, fuel shut-off valve, terminal 30 voltage supply relay, commencement of injection valve, throttle valve module valve

- G2 Coolant temperature sender
- G27 Engine temperature sender (01204)
- J248 Diesel direct injection system control unit, on right in plenum chamber
- J317 Terminal 30 voltage supply relay, on relay carrier (01054)
- N108 Commencement of injection valve (01269)
- N109 Fuel switch-off valve (01237)
- N211 Throttle butterfly valve
- S2 Fuses on fuse holder
- S10 Fuses on fuse holder
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10f 10-pin connector, black, on injection pump
- T24 24-pin connector, black, on engine
- T80 80-pin connector, black
- 501 Screw connection 2 (30), on relay plate
- B150 Positive connection 2 (30a), in interior wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness

<fo:ext Only models with coolant heater element

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Brake light switch, speedometer sender, fuel gauge sender, coolant shortage indicator sender, engine glow plugs

- F Brake light switch (00526)
- F47 Cruise control system brake pedal switch/diesel direct injection system (00629)
- G Fuel gauge sender
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- J52 Glow plug relay (01266)
- Q6 Engine glow plugs
- S20 Fuses on fuse holder
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T24 24-pin connector, black, on engine

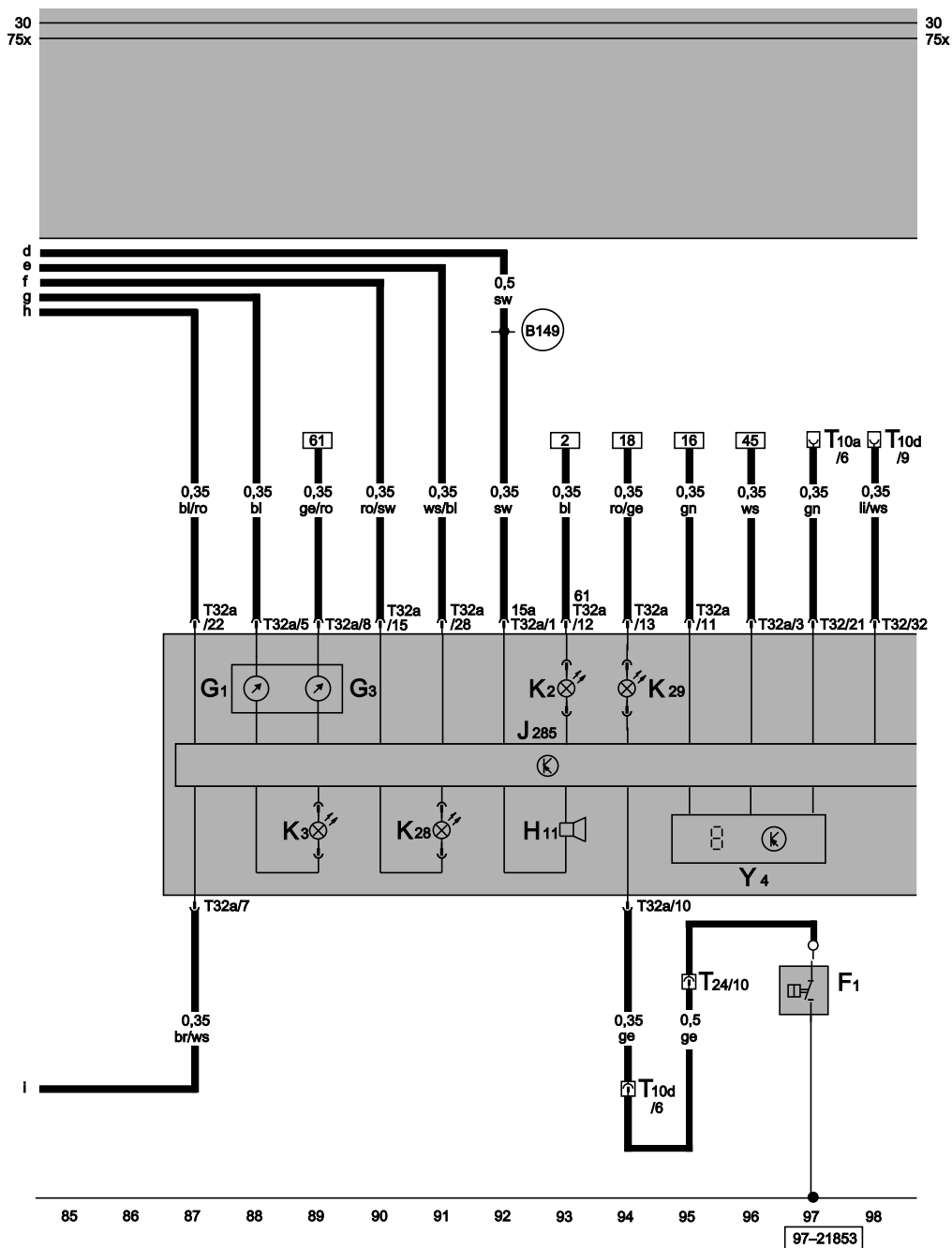
15 Earth point, on cylinder head

F31 Connection (engine glow plugs), in diesel direct injection system wiring harness

* Only models with ABS with EDL

** Not models with ABS with EDL

ws = white
sw = black
ro = red
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gn = green
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ge = yellow
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rs = pink



Dash panel insert, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustic oil pressure warning, odometer

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K29 Glow period warning lamp (00626)
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T24 24-pin connector, black, on engine
- T32 32-pin connector, black, on dash panel insert
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Trip counter

B149 Positive connection 2 (15a), in interior wiring harness

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

Basic equipment

from September 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

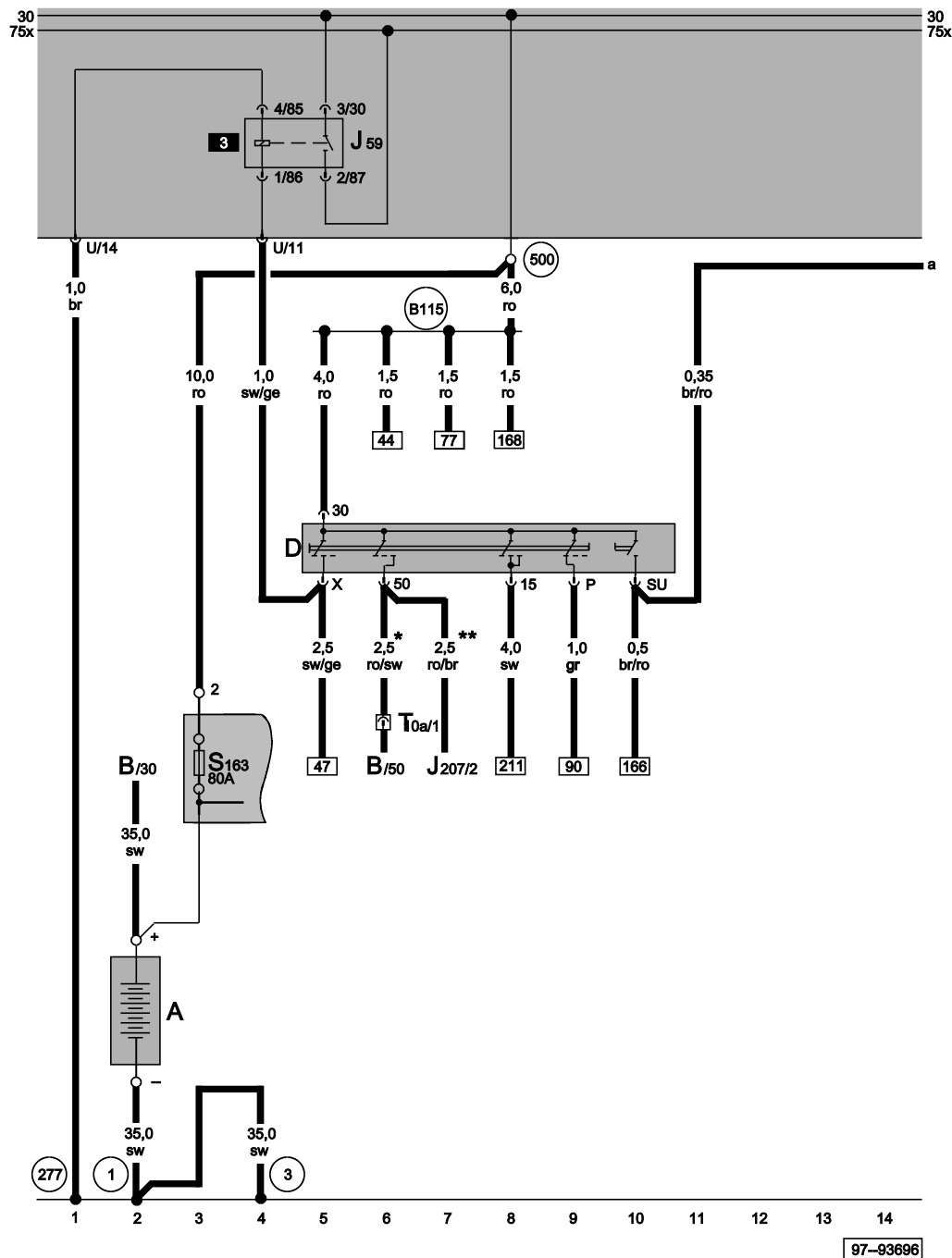
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

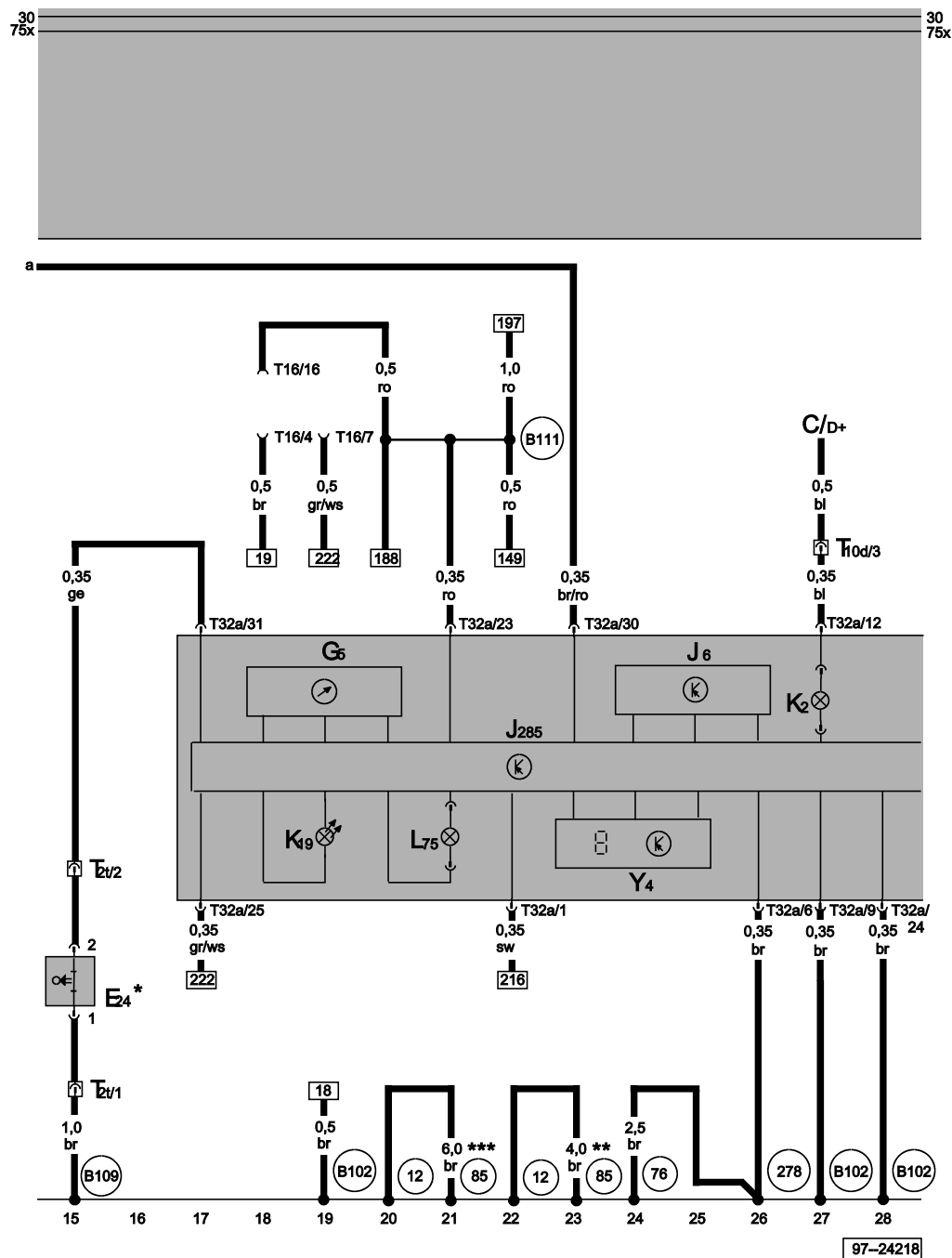
⇒ Guided Fault Finding



Battery, ignition/starter switch, X-contact relief relay

- A Battery
- B Starter
- D Ignition/starter switch
- J59 X-contact relief relay
- J207 Starter inhibitor relay, next to relay plate
- S163 Fuse 2 (30), on battery fuse holder
- T10a 10-pin connector, green, near relay station

- 1 Earth strap, battery - body
- 3 Earth strap, engine - body
- 277 Earth connection 3, in interior wiring harness
- 500 Screw connection 1 (30), on relay plate
- B115 Positive connection, (30, central electrics), in interior wiring harness
- * Not with automatic gearbox
- ** With automatic gearbox

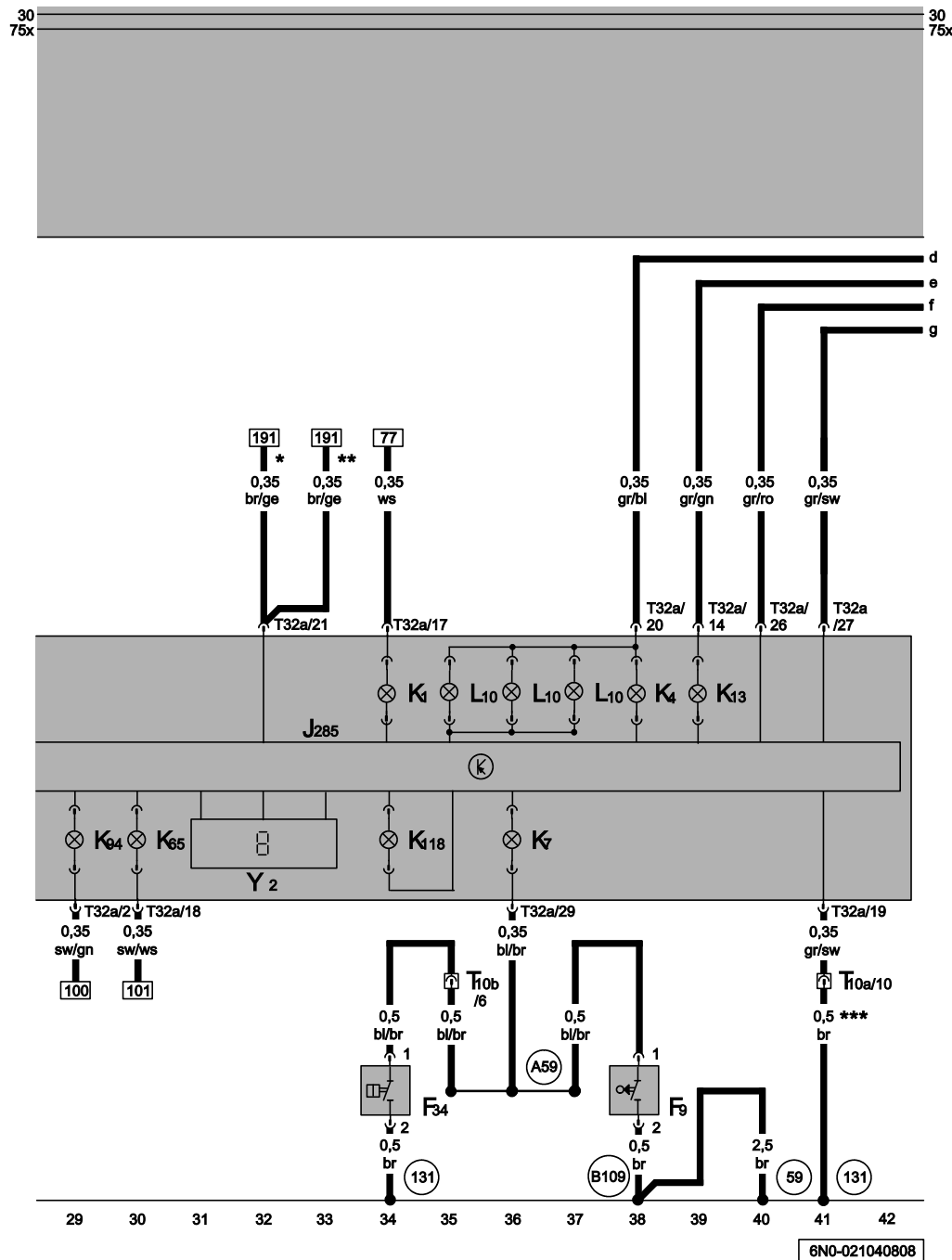


Dash panel insert, rev. counter, self-diagnosis connection, odometer, seat belt warning system

- C Alternator
- E24 Driver side belt switch
- G5 Rev. counter (00662)
- J6 Voltage stabiliser
- J285 Control unit with display in dash panel insert (01317)
- K2 Alternator warning lamp
- K19 Seat belt warning system warning lamp
- L75 Digital display illumination bulb
- T2t 2-pin connector, under driver seat
- T10d 10-pin connector, red, relay station
- T16 16-pin connector, self-diagnosis connection, on right in glove compartment
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Trip counter

- 12 Earth point, on left in engine compartment
- 76 Earth point, near selector mechanism
- 85 Earth connection 1, in engine compartment wiring harness
- 278 Earth connection 4, in interior wiring harness
- B102 Earth connection, in front left interior wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness
- * Not with all levels of equipment
- ** Only petrol engine models with manual gearbox
- *** Only petrol engine models with automatic gearbox

ws = white
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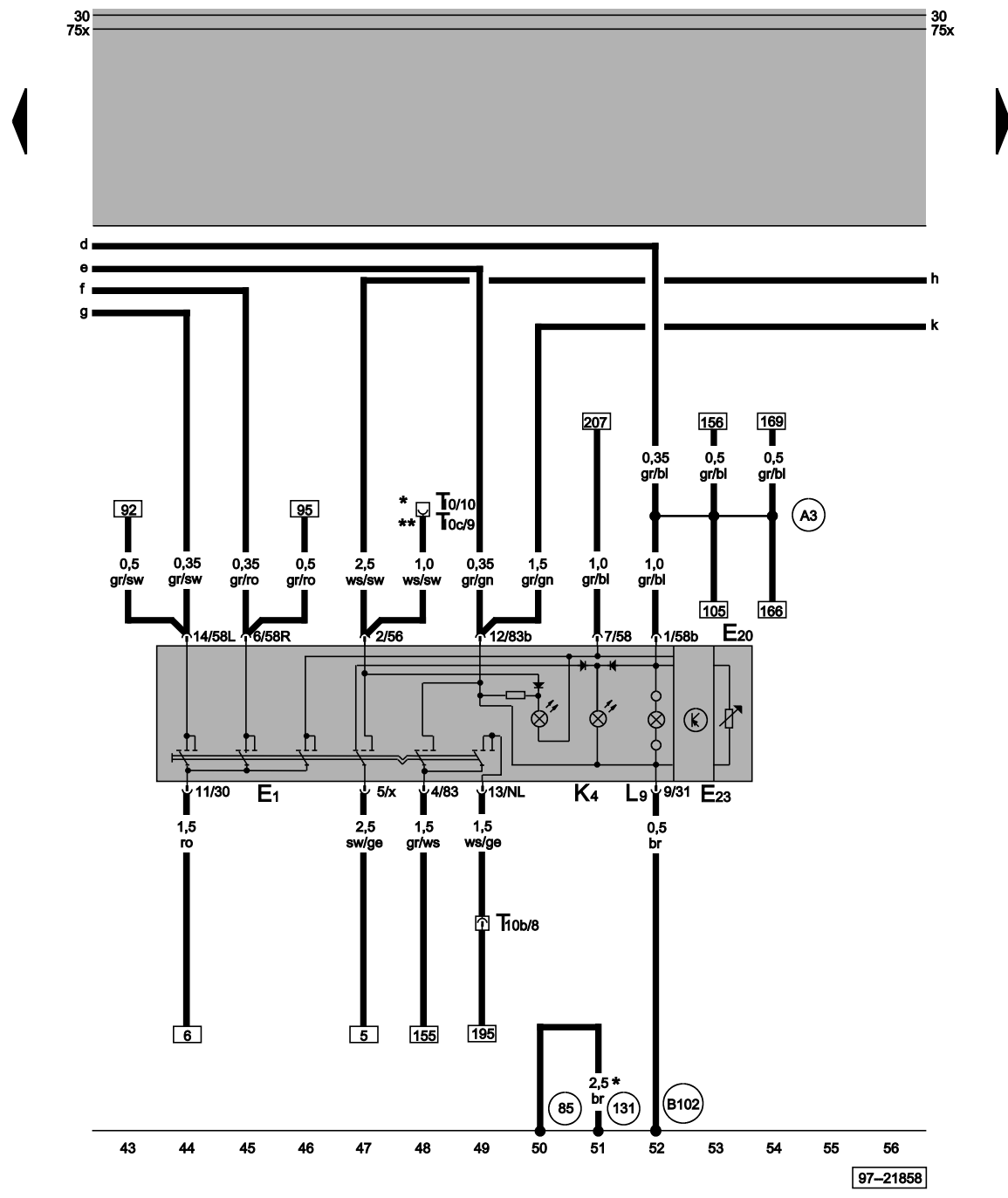
Dash panel insert, digital clock, main beam warning lamp, side light warning lamp, turn signal indicator lamp, handbrake warning, brake fluid level warning contact

- F9 Handbrake warning switch (01114)
- F34 Brake fluid level warning contact
- J285 Control unit with display in dash panel insert (01317)
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K7 Dual circuit brakes/handbrake warning lamp (01047)
- K13 Rear fog light warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K118 Brake system warning lamp
- L10 Dash panel insert illumination bulb
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert
- Y2 Digital clock

- 59 Earth point, near left tail light
- 131 Earth connection 2, in engine compartment wiring harness
- B109 Earth connection, in rear left interior wiring harness
- A59 Connection (sender), in dash panel wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Not for ABS

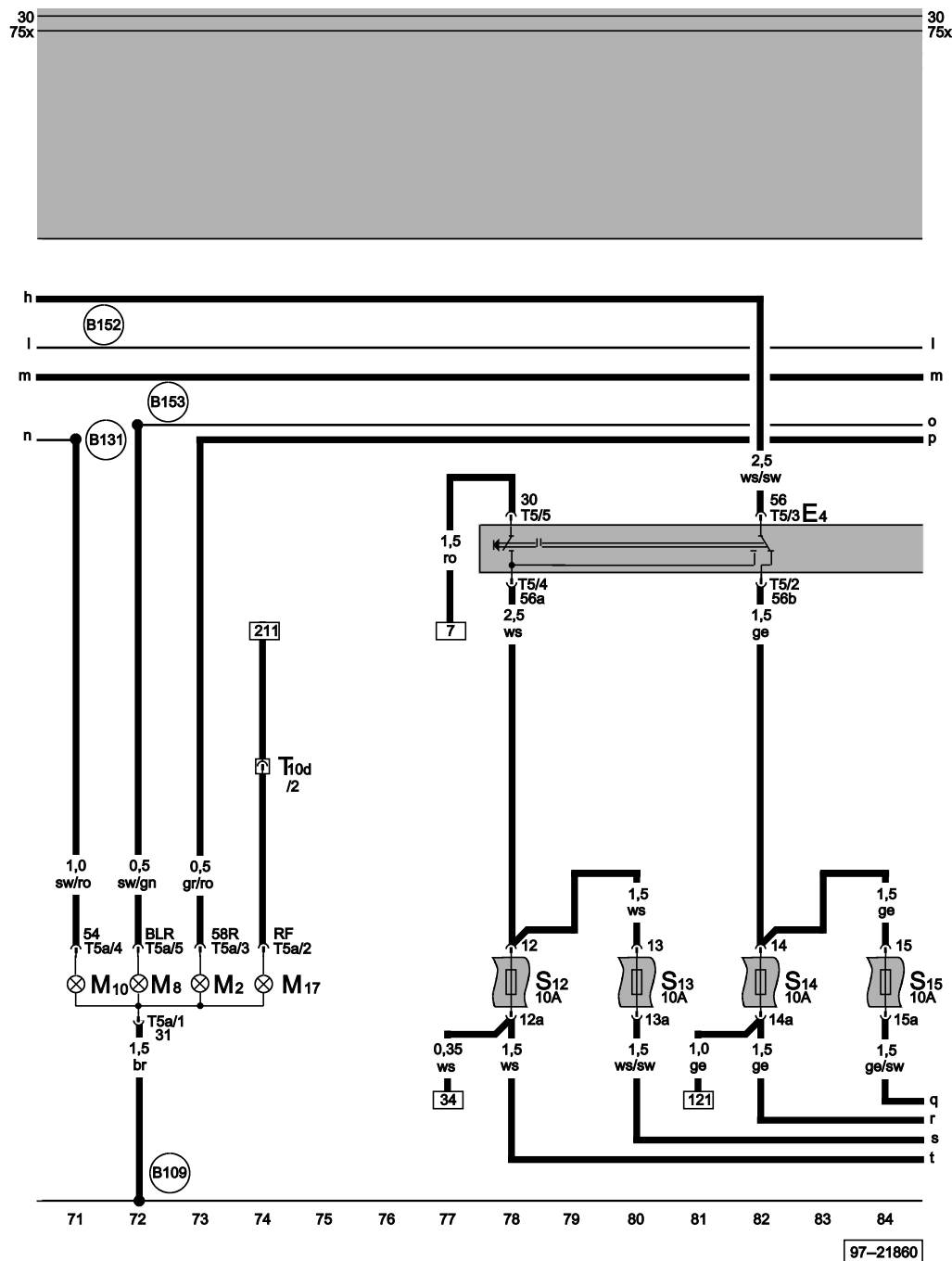
ws = white
sw = black
ro = red
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Light switch, switch and instrument illumination regulator

- E1 Light switch
- E20 Switch and instrument illumination regulator
- E23 Front and rear fog light switch
- K4 Side light warning lamp
- L9 Light switch illumination bulb
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- A3 Positive connection (58), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine

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Right tail light, right brake light, reversing light, headlight dipper/flasher switch

- E4 Headlight dipper and flasher switch
- M2 Right tail light bulb
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M17 Right reversing light bulb
- S12 Fuse on fuse holder
- S13 Fuse on fuse holder
- S14 Fuse on fuse holder
- S15 Fuse on fuse holder
- T5 5-pin connector, black, behind steering column switch trim
- T5a 5-pin connector, black, on rear right tail light
- T10d 10-pin connector, red, near relay station

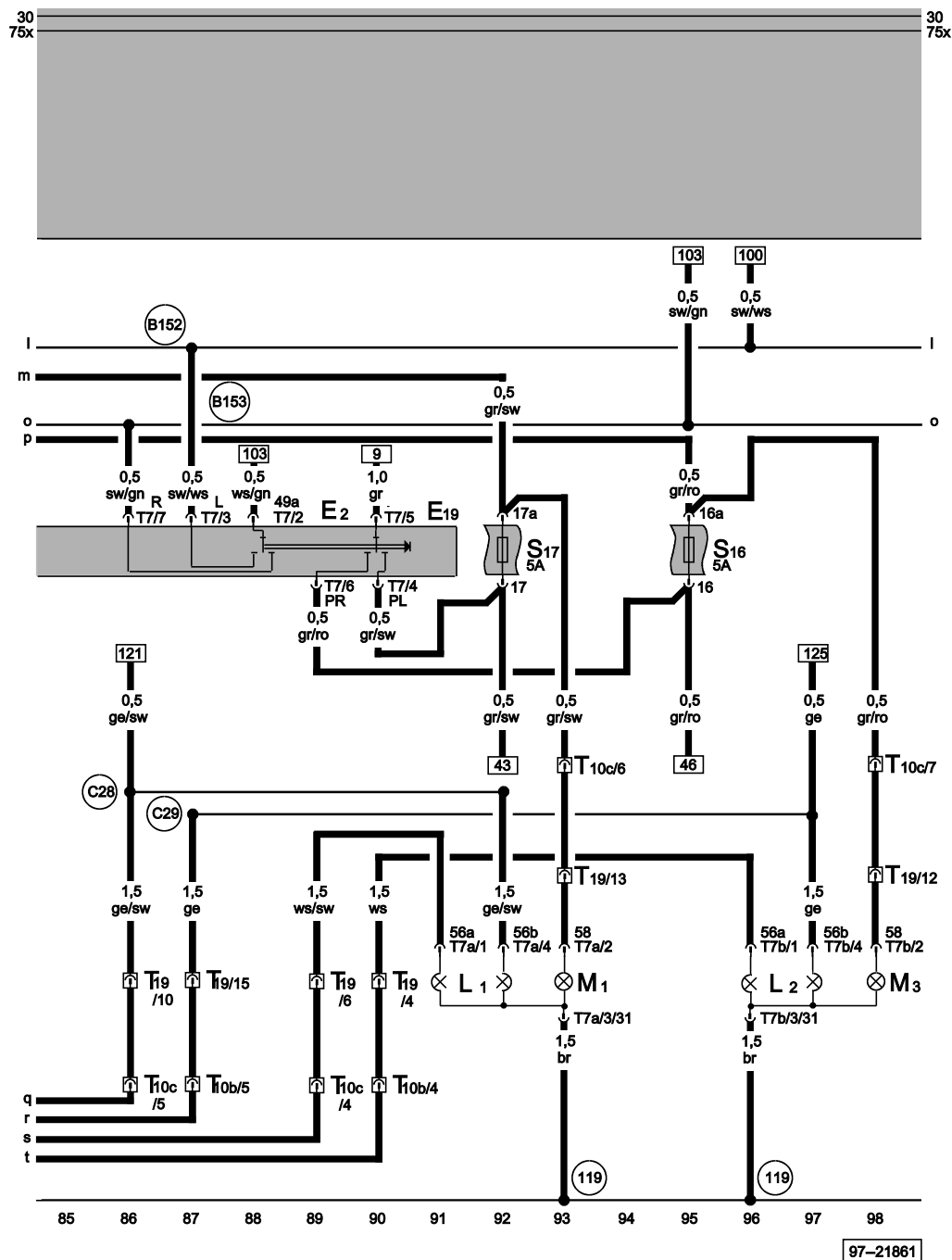
B109 Earth connection, in rear left interior wiring harness

B131 Connection (54), in interior wiring harness

B152 Connection (BL), in interior wiring harness

B153 Connection (RTS), in interior wiring harness

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li = purple
ge = yellow
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rs = pink

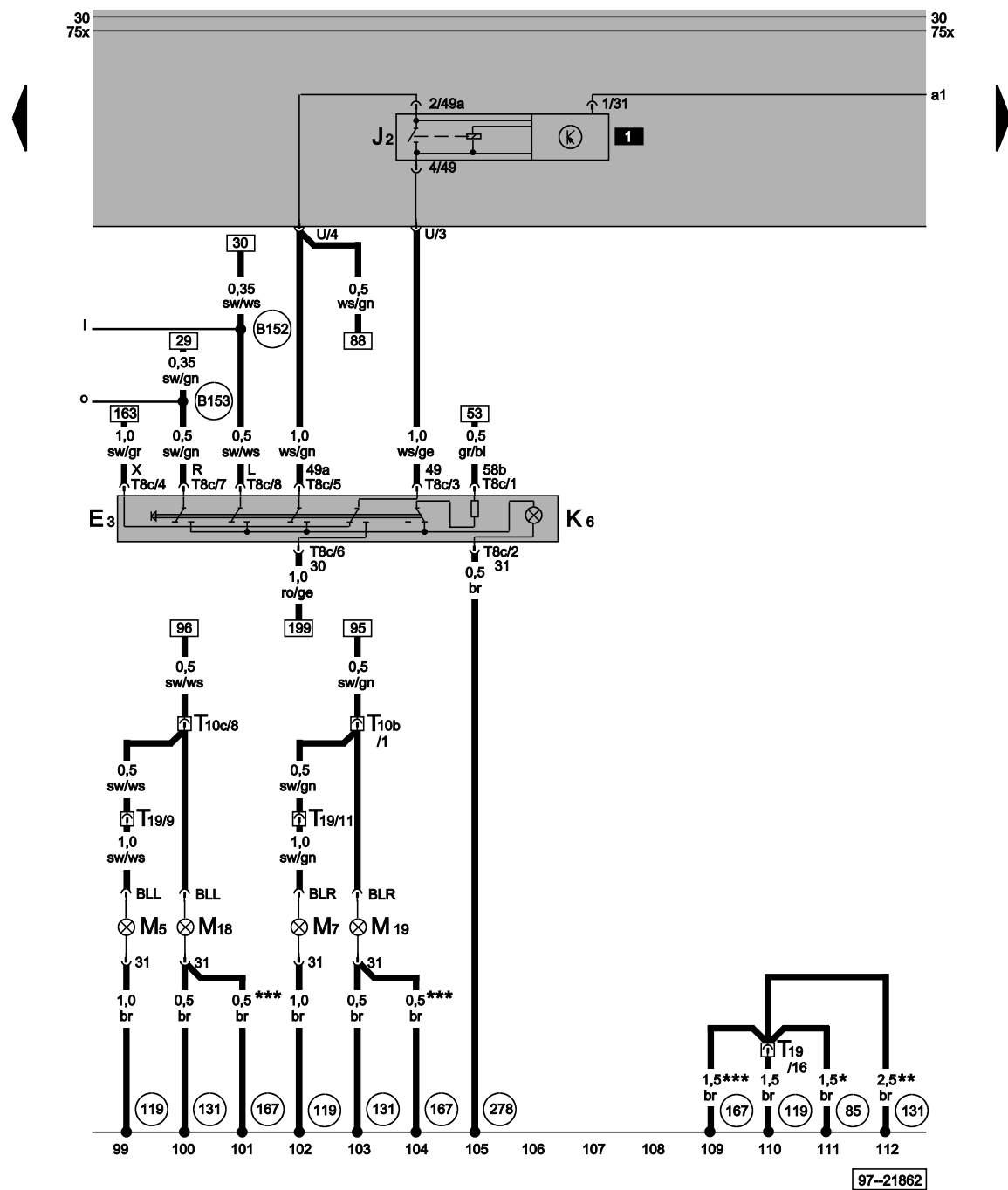


Turn signal switch, parked light switch, front bulbs

- E2 Turn signal switch
- E19 Parking light switch
- L1 Left twin filament bulb
- L2 Right twin filament bulb
- M1 Left side light bulb
- M3 Right side light bulb
- S16 Fuse on fuse holder
- S17 Fuse on fuse holder
- T7 7-pin connector, black, behind steering column switch trim
- T7a 7-pin connector, black, near left headlight
- T7b 7-pin connector, black, near left headlight
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T19 10-pin connector, black, on front left in engine compartment

- 119 Earth connection 1, in headlight wiring harness
- B152 Connection (BL), in interior wiring harness
- B153 Connection (RTS), in interior wiring harness
- C28 Connection 1 (56b), in headlight wiring harness
- C29 Connection 2 (56b), in headlight wiring harness

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



Hazard warning light relay, hazard warning light switch

- E3 Hazard warning light switch
- J2 Hazard warning light relay
- K6 Hazard warning light system warning lamp
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M18 Left side repeater turn signal bulb
- M19 Right side repeater turn signal bulb
- T8c 8-pin connector, black, on hazard warning light switch
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T19 19-pin connector, black, on front left in engine compartment

85 Earth connection 1, in engine compartment wiring harness

119 Earth connection 1, in headlight wiring harness

131 Earth connection 2, in engine compartment wiring harness

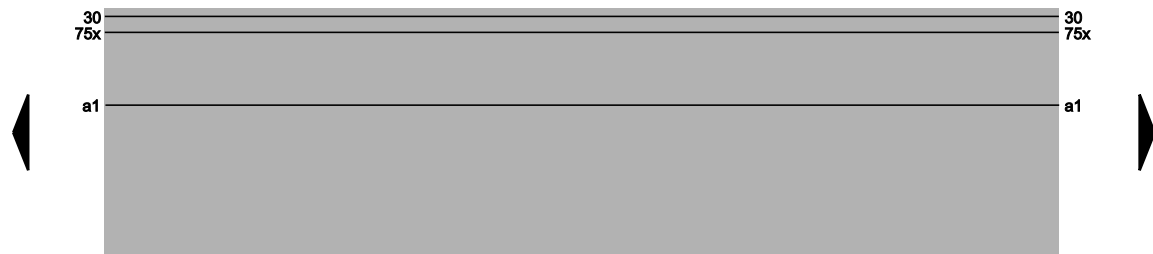
167 Earth connection 4, in engine compartment wiring harness

278 Earth connection 4, in interior wiring harness

B152 Connection (BL), in interior wiring harness

B153 Connection (RTS), in interior wiring harness

- * Only petrol engine models with manual gearbox
- ** Only models with a diesel engine
- *** Only automatic gearbox



Headlight range control

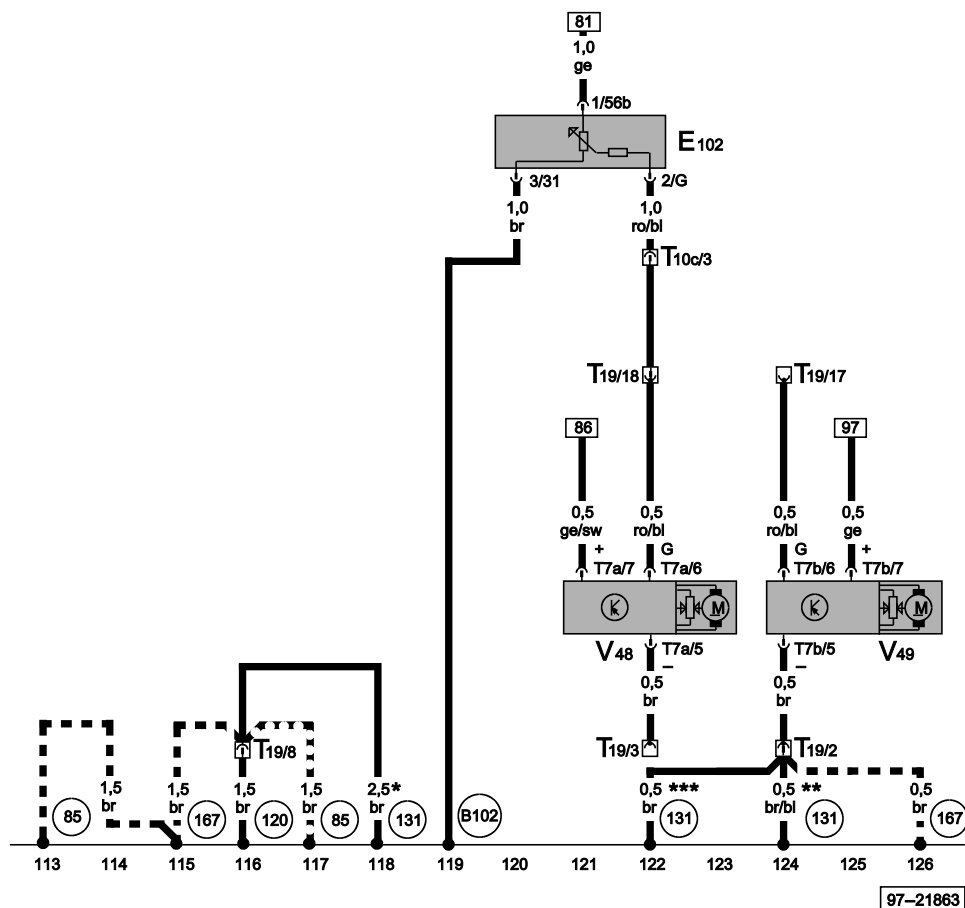
- E102 Headlight range control regulator
- T7a 7-pin connector, black, near left headlight
- T7b 7-pin connector, black, near left headlight
- T10c 10-pin connector, blue, near relay station
- T19 19-pin connector, black, on front left in engine compartment
- V48 Left headlight range control motor
- V49 Right headlight range control motor
- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 120 Earth connection 2, in headlight wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- B102 Earth connection, in front left interior wiring harness

- * Only models with a diesel engine
- ** Only engine codes AGD and AHG
- *** Not with engine codes AGD and AHG

<fo:exter Only automatic gearbox

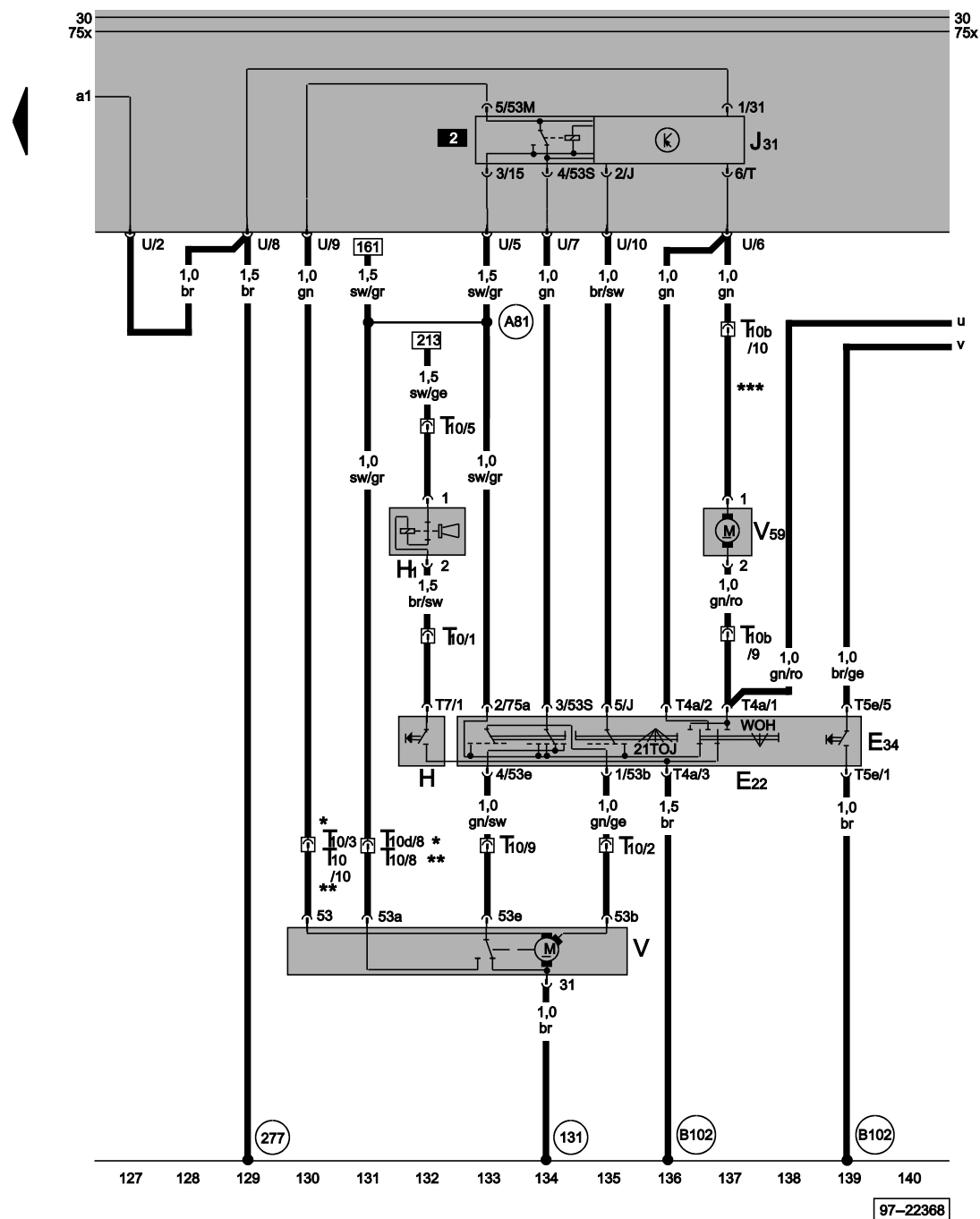
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<fo:exter Only petrol engine models with manual gearbox
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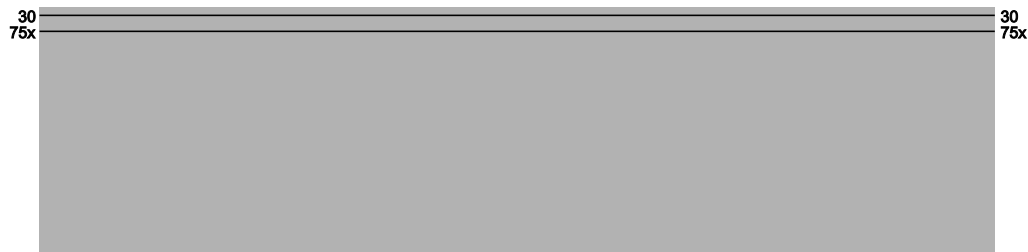
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rs	= pink	>



Intermittent wiper switch, wiper motor, front and rear washer pump, intermittent wash and wipe relay, horn

- E22 Intermittent wiper switch
- E34 Rear wiper switch
- H Horn plate
- H1 Horn
- J31 Automatic intermittent wash and wipe relay
- T4a 4-pin connector, black, behind steering column switch trim
- T5e 5-pin connector, black, behind steering column switch trim
- T7 7-pin connector, black, behind steering column switch trim
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- V Windscreen wiper motor
- V59 Windscreen and rear window washer pump
- 131 Earth connection 2, in engine compartment wiring harness
- 277 Earth connection 3, in interior wiring harness
- A81 Connection 2 (X), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Not with headlight washer system

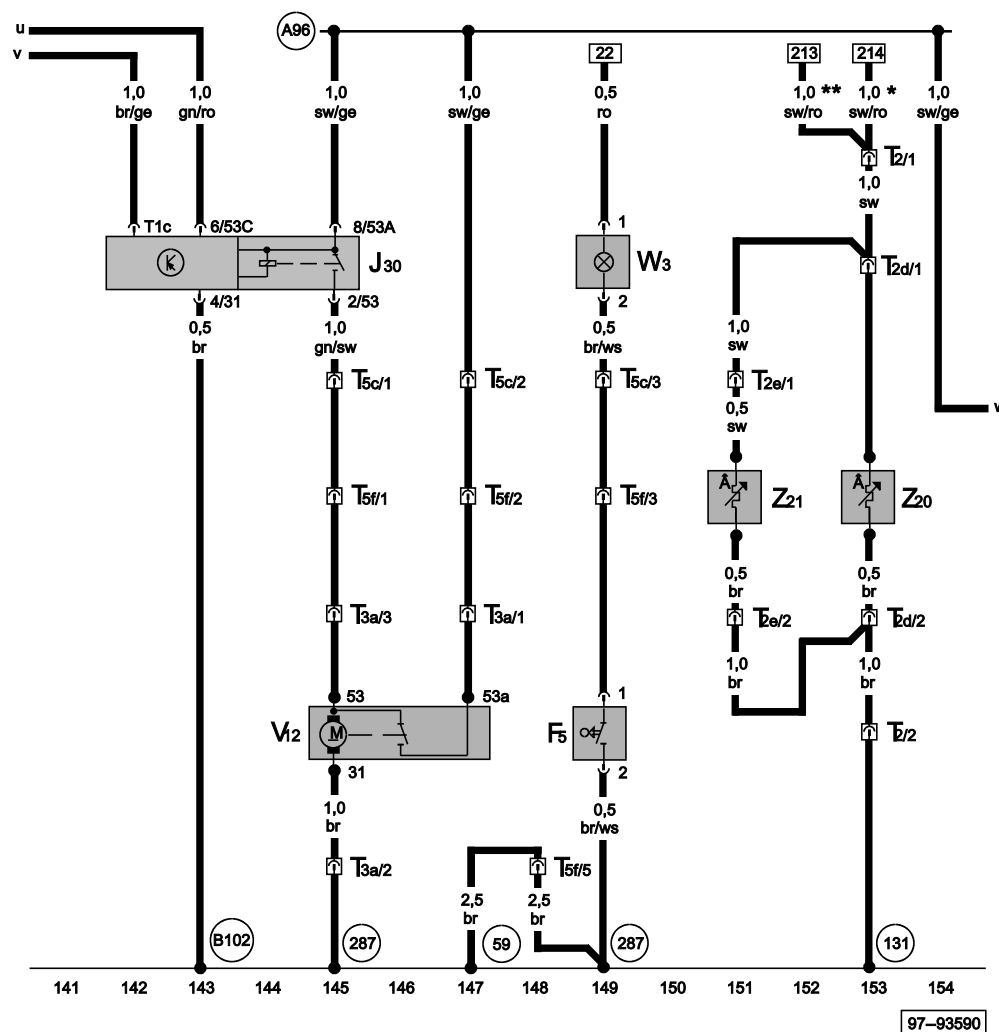
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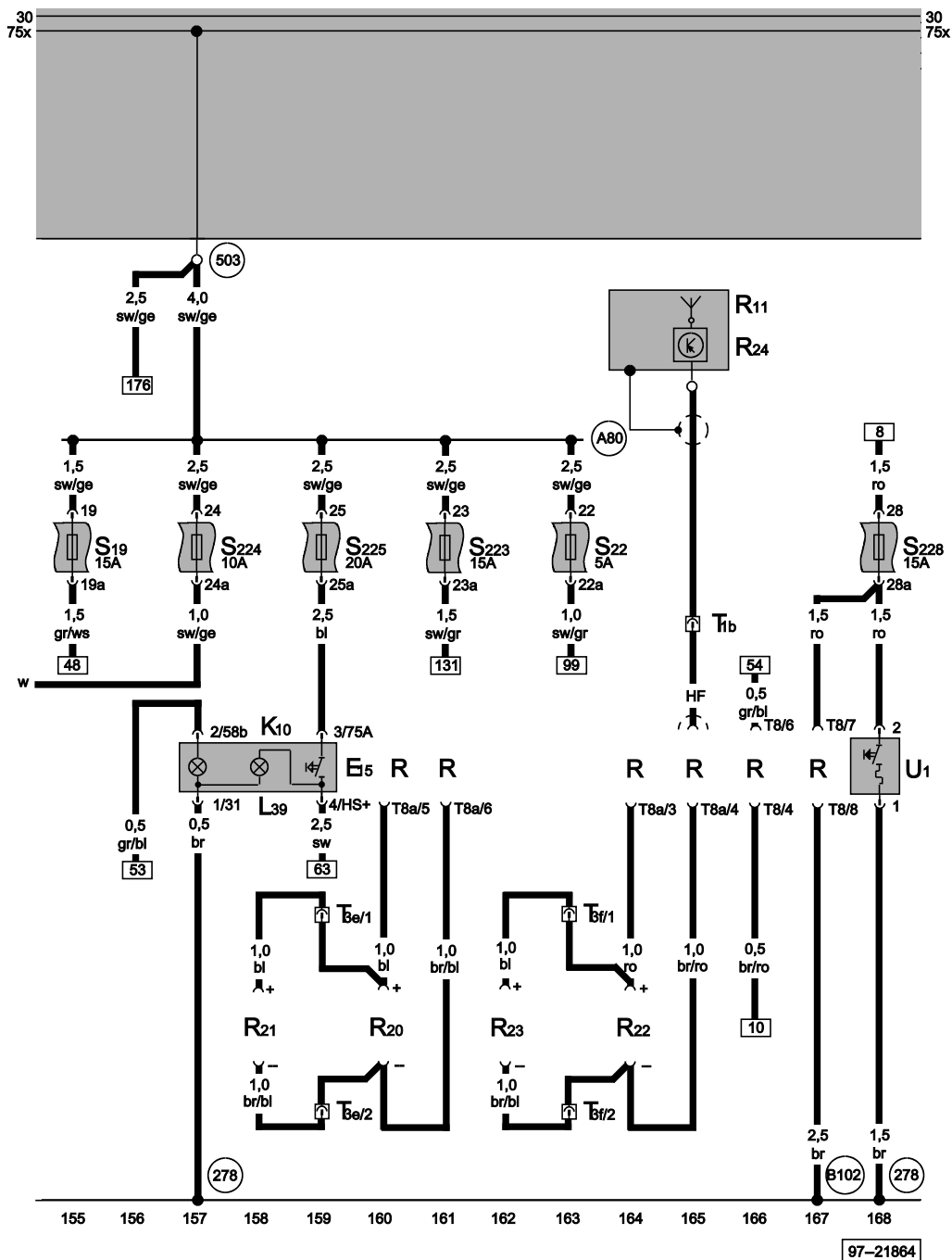
Rear window wiper motor, luggage compartment light, heater element for washer jet

- F5 Luggage compartment light switch
- J30 Rear window wiper and washer relay
- T1c Single connector, black, in rear wash and wipe system relay
- T2 2-pin connector, black, in left plenum chamber
- T2d 2-pin connector, black, on left on engine compartment lid
- T2e 2-pin connector, black, on right on engine compartment lid
- T3a 3-pin connector, black, in rear lid near wiper motor
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5f 5-pin connector, black, in rear lid
- V12 Rear window wiper motor
- W3 Luggage compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 59 Earth point, near left tail light
- 131 Earth connection 2, in engine compartment wiring harness
- 287 Earth connection, in rear lid feeder wiring harness
- A96 Connection (53a), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- * Only models with a petrol engine
- ** Only models with a diesel engine



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

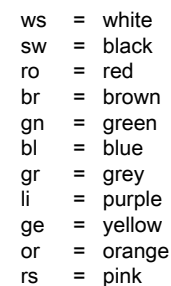


Radio connection, heated rear window switch, cigarette lighter

- E15 Heated rear window switch
- K10 Heated rear window warning lamp
- L39 Heated rear window switch illumination bulb
- R Radio
- R11 Aerial
- R24 Aerial amplifier
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- S19 Fuse on fuse holder
- S22 Fuse on fuse holder
- S223 Fuse on fuse holder
- S224 Fuse on fuse holder
- S225 Fuse on fuse holder
- S228 Fuse on fuse holder
- T1b Single connector, black, on lower part of right A-pillar
- T3e 3-connector, black, on lower part of left A-pillar
- T3f 3-pin connector, black, on lower part of right A-pillar
- T8 8-pin connector, black, on radio
- T8a 8-pin connector, brown, on radio
- U1 Cigarette lighter

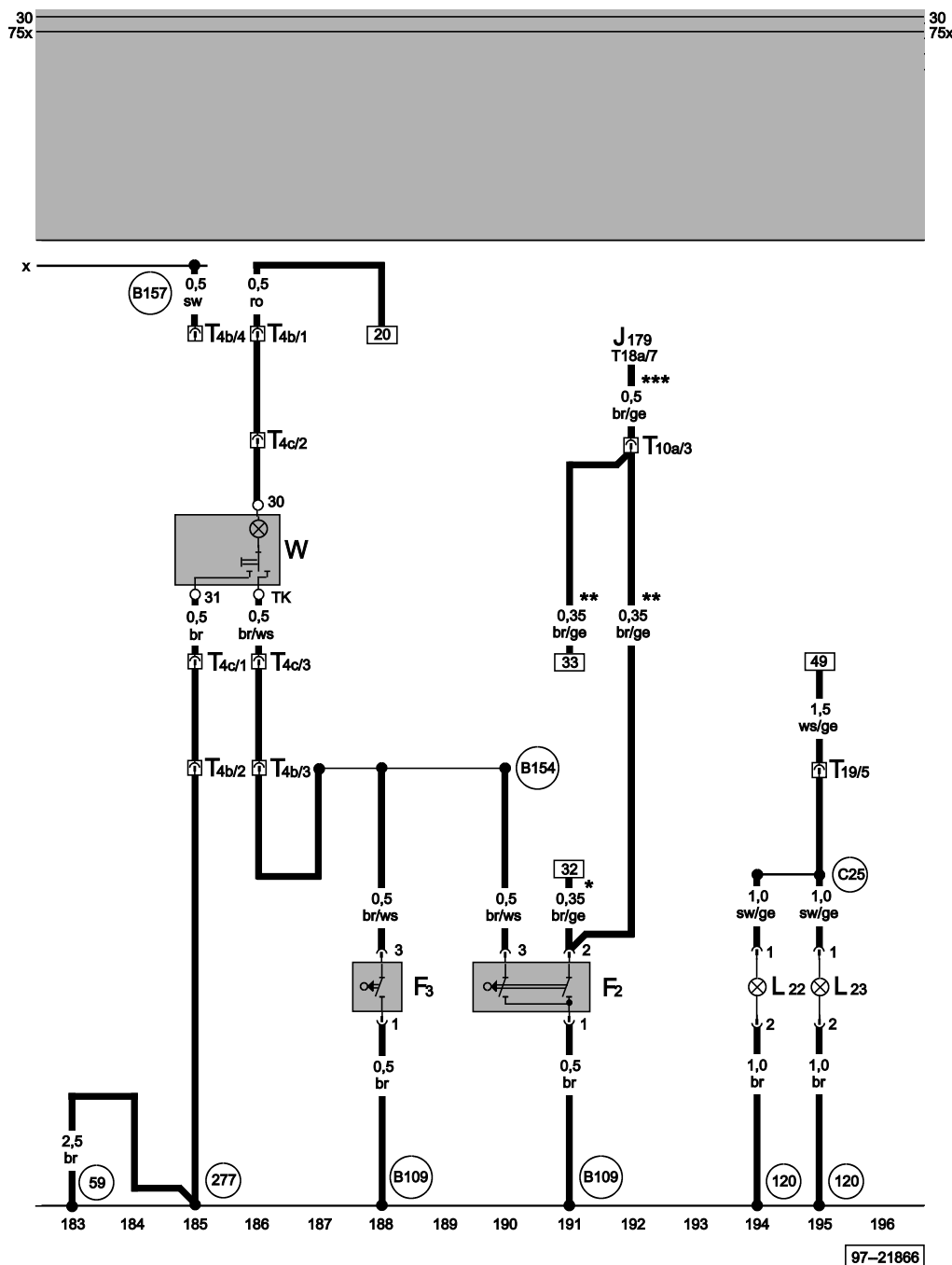
- 278 Earth connection 4, in interior wiring harness
- 503 Screw connection (75x), on relay plate
- A80 Connection 1 (X), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness

ws = white
sw = black
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E9	Fresh air blower switch
L16	Fresh air regulator illumination bulb
N24	Fresh air blower series resistor with overheating fuse
S229	Fuse on fuse holder
S230	Fuse on fuse holder
T4e	4-pin connector, black, on fresh air blower series resistor
T6a	6-pin connector, black, on fresh air blower switch
T8d	8-pin connector, black, behind dash panel
V2	Fresh air blower

- | | |
|------|---|
| 43 | Earth point, lower part of right A-pillar |
| 278 | Earth connection 4, in interior wiring harness |
| B157 | Positive connection 3 (15a), in interior wiring harness |
| * | For Diesel engine 1.0mm ² |



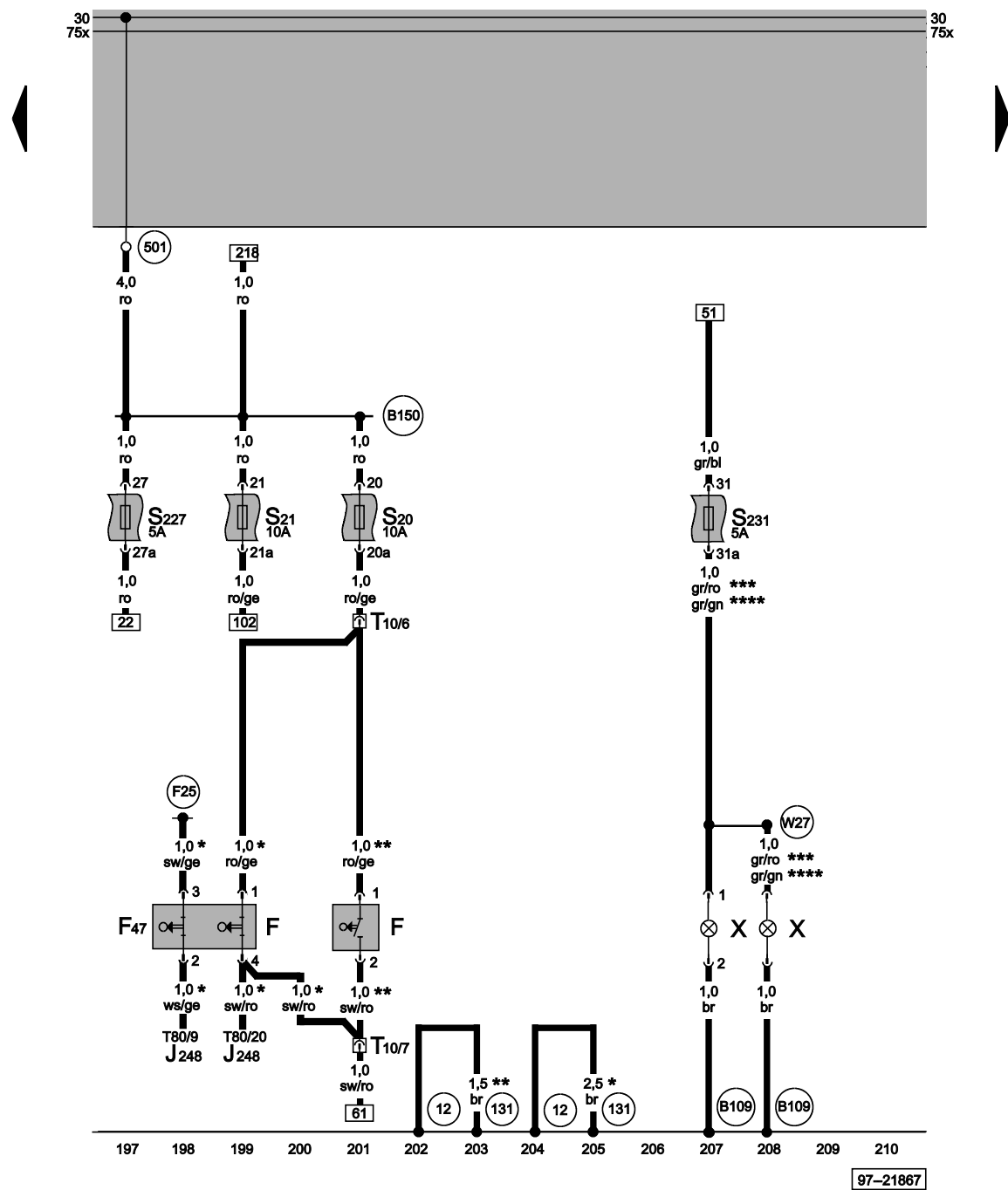
Interior light, door contact switch

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- L22 Left fog light bulb
- L23 Right fog light bulb
- J179 Automatic glow period control unit, above relay plate
- T4b 4-pin connector, black, on left behind dash panel
- T4c 4-pin connector, black, in interior light wiring harness
- T10a 10-pin connector, near relay station
- T18a 18-pin connector, black, on automatic glow period control unit
- T19 19-pin connector, black, on front left in engine compartment
- W Front interior light

- 59 Earth point, left tail light
- 120 Earth connection 2, in headlight wiring harness
- 277 Earth connection 3, in interior wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B157 Positive connection 3 (15a), in interior wiring harness
- C25 Connection (fog light), in front lighting wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Only engine code AEF

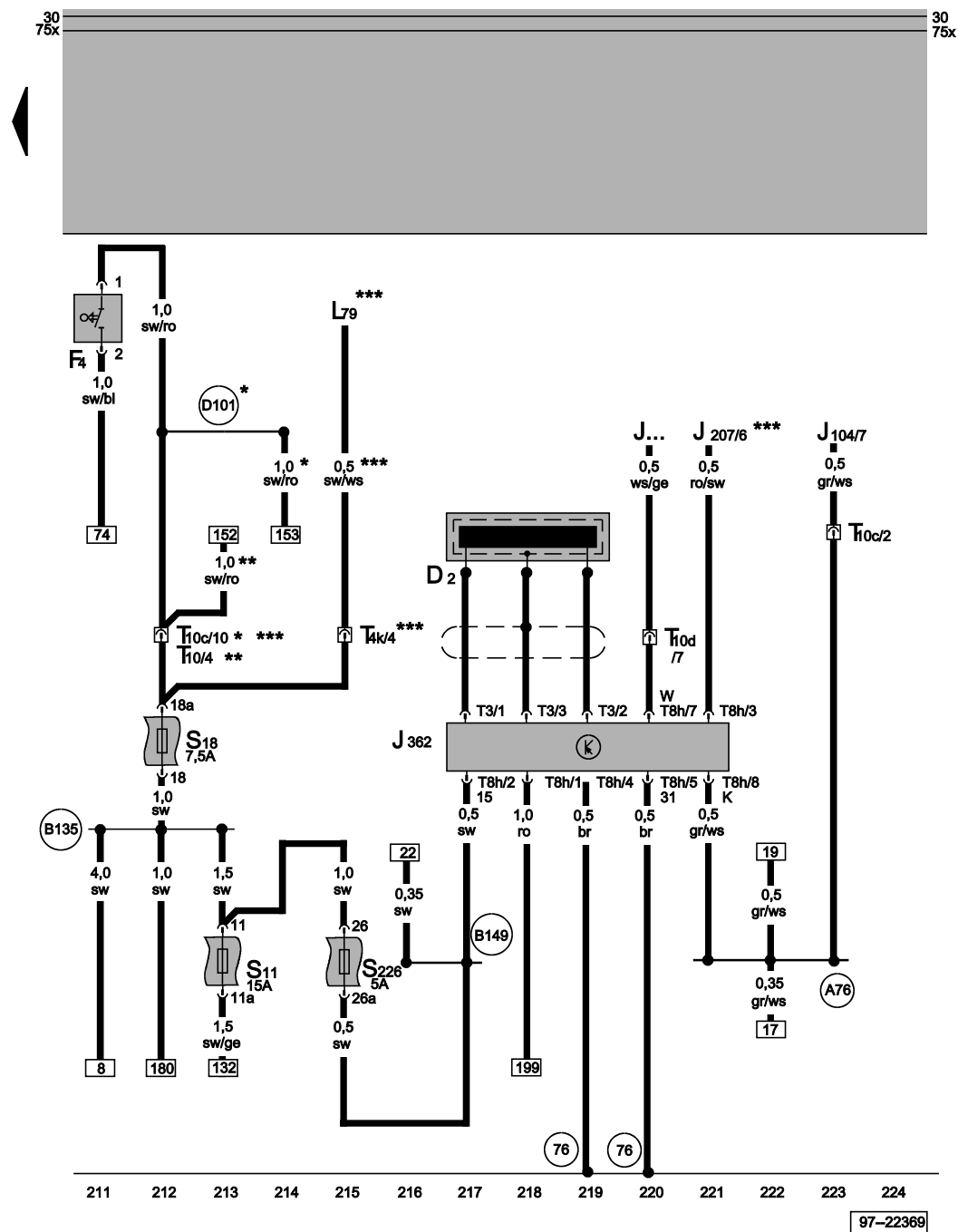
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Brake light switch, number plate light

- F Brake light switch (00526)
- F47 Brake pedal switch for diesel direct injection system
- J248 Diesel direct injection system control unit, on right in plenum chamber
- S20 Fuse on fuse holder
- S21 Fuse on fuse holder
- S227 Fuse on fuse holder
- S231 Fuse on fuse holder
- T10 10-pin connector, white, near relay station
- X Number plate light
- T80 80-pin connector, black
- 12 Earth point, on left in engine compartment
- 131 Earth connection 3, in engine compartment wiring harness
- 501 Screw connection 2 (30), on relay plate
- B109 Earth connection, in rear left interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- F25 Connection 1, in diesel direct injection system wiring harness
- W27 Positive connection (58), in tail lights wiring harness
- * Only engine codes AGD and AHG
- ** Only engine code AEF
- *** Only models with a petrol engine
- **** Only models with a diesel engine

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 ge = yellow
 or = orange
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Immobilizer, reversing light switch

- D2 Immobilizer reader coil (01128)
- F4 Reversing light switch
- L79 Selector lever illumination
- J... Injection system control unit, centre on bulkhead
- J104 ABS control unit, on left in engine compartment
- J207 Starter inhibitor relay, next to relay plate
- J362 Immobilizer control unit, next to steering column
- S11 Fuse on fuse holder
- S18 Fuse on fuse holder
- S226 Fuse on fuse holder
- T3 3-pin connector, black, on immobilizer control unit
- T4k 4-pin connector, black (LHD)
- T8h 8-pin connector, black, on immobilizer control unit
- T10 10-pin connector, near relay station
- T10c 10-pin connector, near relay station
- T10d 10-pin connector, red, near relay station

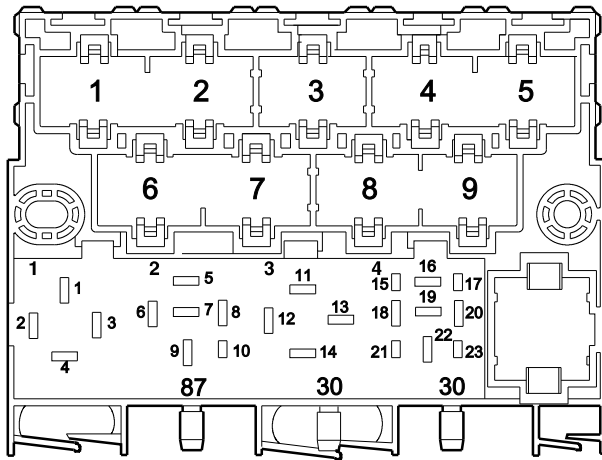
- 76 Earth point, near selector mechanism
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B135 Connection (15a), in interior wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- D101 Connection 1, in engine compartment wiring harness

- * Only models with a petrol engine
- ** Only models with a diesel engine
- *** Only models with an automatic gearbox

Airbag

From September 1997

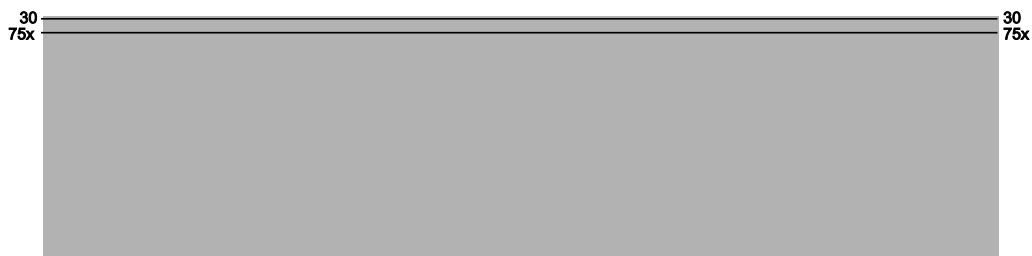
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-20672

Fuse colours

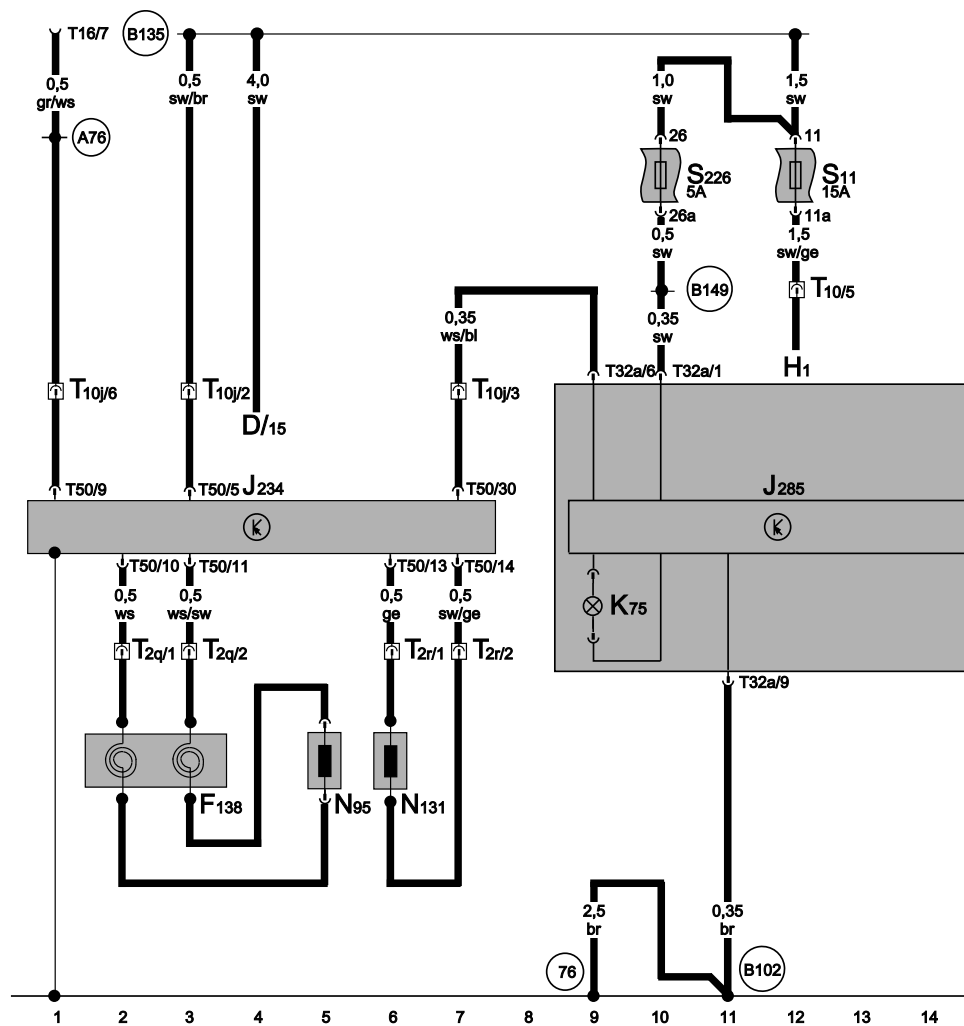
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Airbag control unit, airbag warning lamp, airbag igniter, airbag coil connector, self-diagnosis connector

- D Ignition/starter switch
- F138 Coil spring for airbag
- H1 Signalhorn
- J234 Airbag control unit, behind console
- J285 Control unit with display in dash panel insert
- J429 Central locking control unit
- K75 Airbag warning lamp
- N95 Airbag igniter, driver side
- N131 Airbag igniter 1, front passenger side
- S11 Fuse in relay plate fuse box
- S226 Fuse in fuse holder
- T2q 2-pin connector, black, behind steering column switch trim
- T2r 2-pin connector, right behind dash panel
- T10 10-pin connector, white, near relay station
- T10j 10-pin connector, yellow, near relay station
- T16 16-pin connector, violet, self-diagnosis connector
- T32a 32-pin connector, blue
- T50 50-pin connector, black

- 76 Earth point, near gear selector mechanism
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B135 Connection (15a), in interior wiring harness
- B149 Positive connection --2- (15a), in interior wiring harness



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

97-21847

Radio system "alpha" with 2 loudspeakers

From October 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

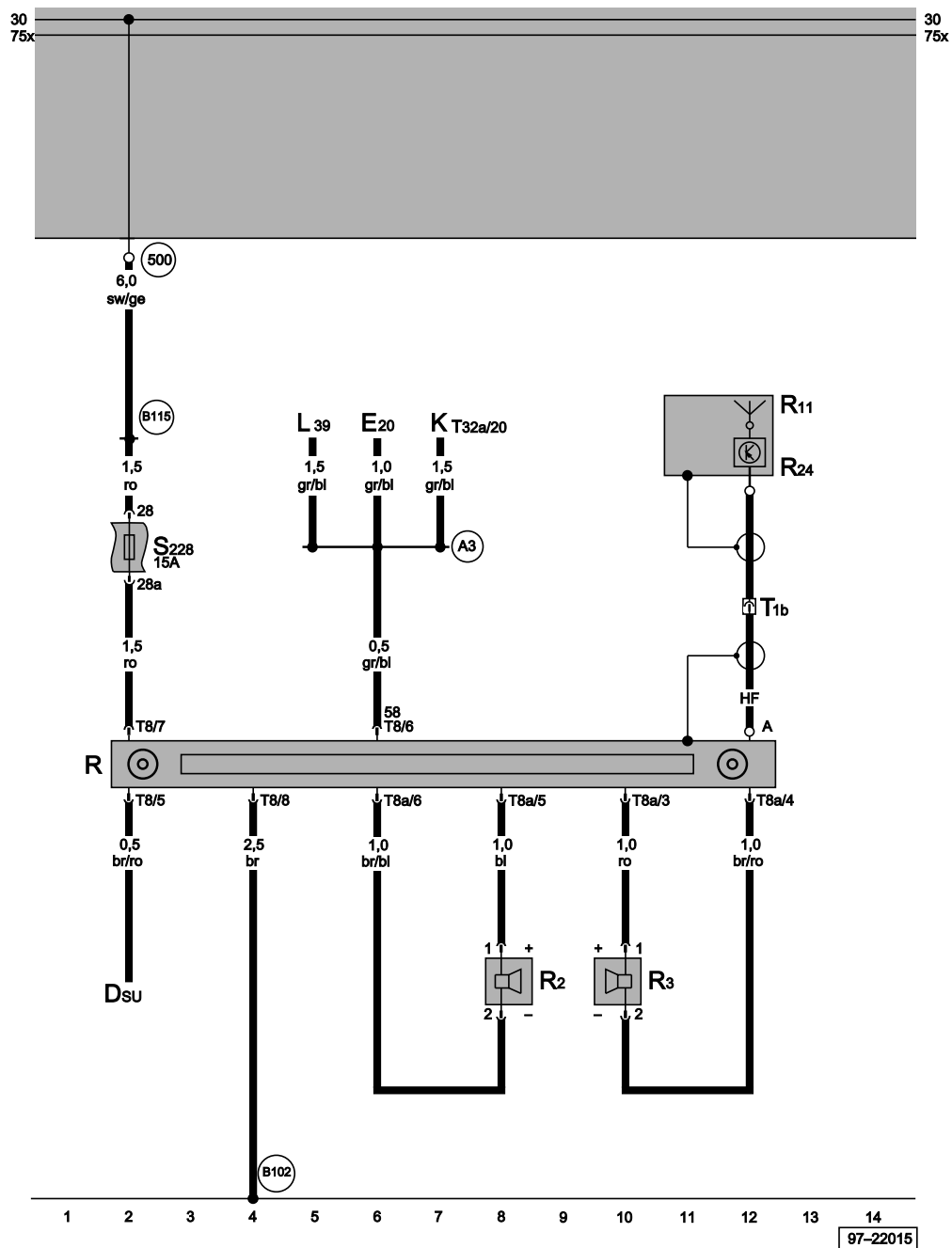
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding



Radio, front loudspeakers, electronically amplified roof aerials

- D Ignition/starter switch
- E20 Switch and instrument illumination regulator
- K Dash panel insert
- L39 Heated rear window switch illumination bulb
- R Radio
- R2 Front left loudspeaker
- R3 Front right loudspeaker
- R11 Aerial
- R24 Aerial amplifier
- S228 Fuse on fuse holder
- T1b 1-pin connector, on lower part of right A-pillar
- T8 8-pin connector, on radio
- T8a 8-pin connector, on radio
- T32a 32-pin connector, on dash panel insert

- (500) Screw connection 1 (30), on relay plate
- (A3) Positive connection (58b), in dash panel wiring harness
- (B102) Earth connection, in front left interior wiring harness
- (B115) Positive connection, (30, central electrics), in interior wiring harness

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

Radio system "beta" with 4 loudspeakers

From October 1997

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

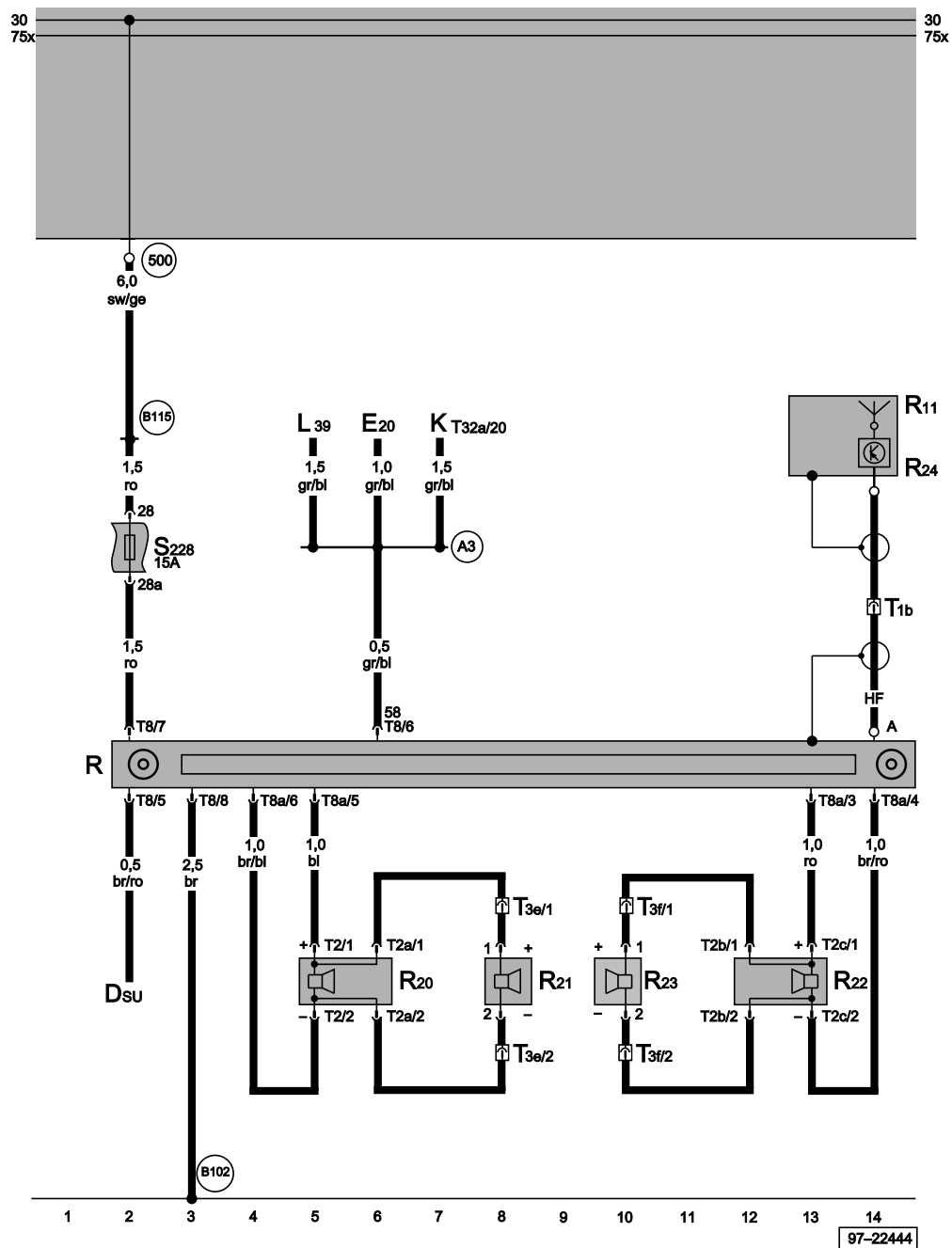
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding



Radio, front loudspeakers, electronically amplified roof aerials

- D Ignition/starter switch
- E20 Switch and instrument illumination regulator
- K Dash panel insert
- L39 Heated rear window switch illumination bulb
- R Radio
- R11 Aerial
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R24 Aerial amplifier
- S228 Fuse on fuse holder
- T1b 1-pin connector, on lower part of right A-pillar
- T3e 3-connector, black, on lower part of left A-pillar
- T3f 3-pin connector, black, on lower part of right A-pillar
- T8 8-pin connector, on radio
- T8a 8-pin connector, on radio
- T32a 32-pin connector, on dash panel insert
- 500 Screw connection 1 (30), on relay plate
- A3 Positive connection (58b), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B115 Positive connection, (30, central electrics), in interior wiring harness

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

1.0 l/37 kW - Motronic, engine code ALL

From June 1997

1.4 l/44 kW - Motronic, engine code AKV with manual gearbox

From June 1997

1.6 l/55 kW - 1AV, engine code AEE with manual gearbox

From June 1997

Notes:

For information concerning

◆ Relay and fuse assignment

◆ Multi-pin connectors

◆ Control units and relays

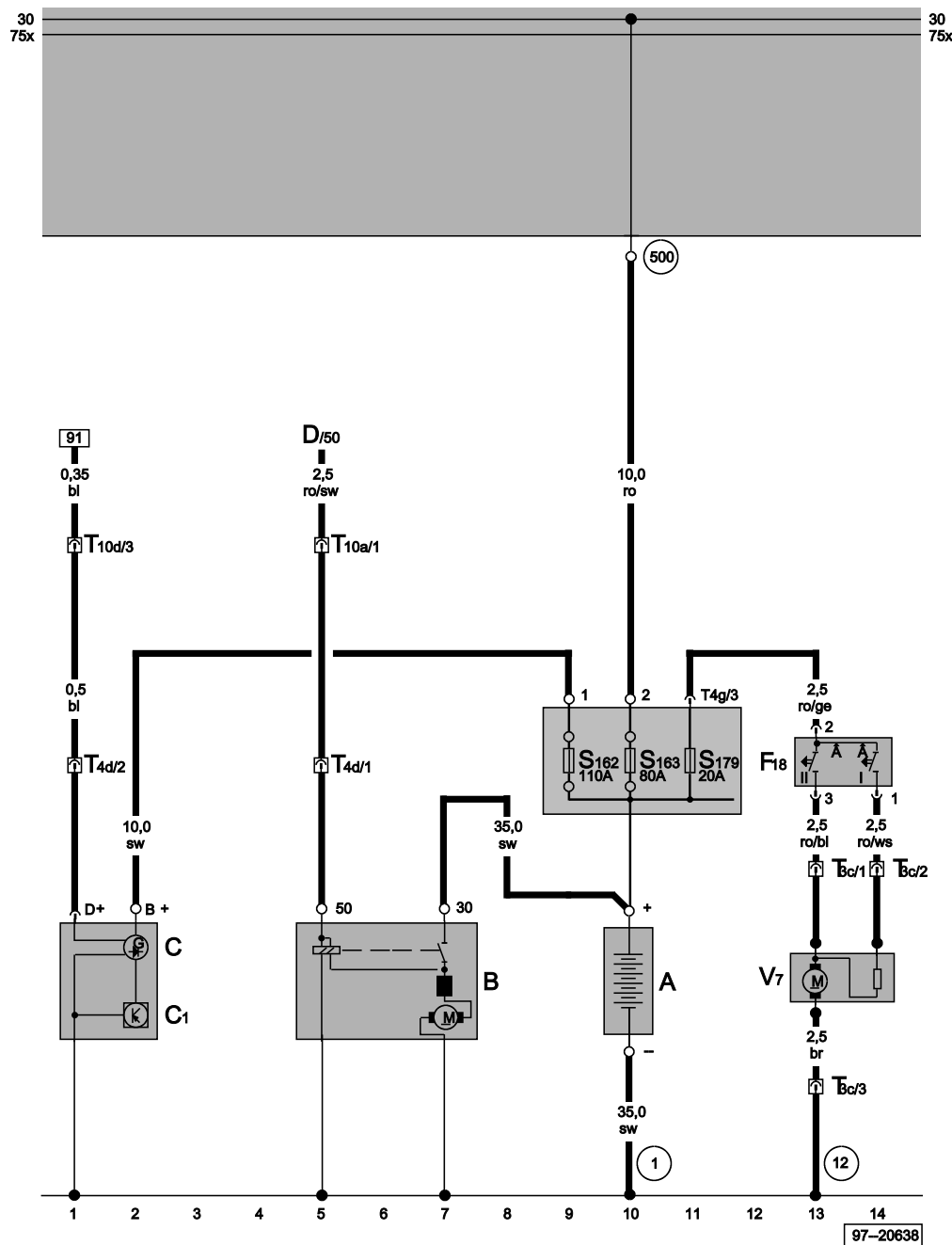
◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

◆ Fault Finding Programs

⇒ Guided Fault Finding



Battery, starter, alternator, radiator fan

- A Battery
 - B Starter
 - C Alternator
 - C1 Voltage regulator
 - D Ignition/starter switch
 - F18 Thermal switch for radiator fan
 - S162 Fuse 1 (30), on battery fuse holder
 - S163 Fuse 2 (30), on battery fuse holder
 - S179 Fuse 7 (30), on battery fuse holder
 - T3c 3-pin connector, black, on radiator fan
 - T4d 4-pin connector, black, on gearbox
 - T4g 4-pin connector, black, near battery
 - T10a 10-pin connector, green, near relay station
 - T10d 10-pin connector, red, near relay station
 - V7 Radiator fan
- 1 Earth strap, battery - body
 - 12 Earth point, on left in engine compartment
 - 500 Screw connection 1 (30), on relay plate

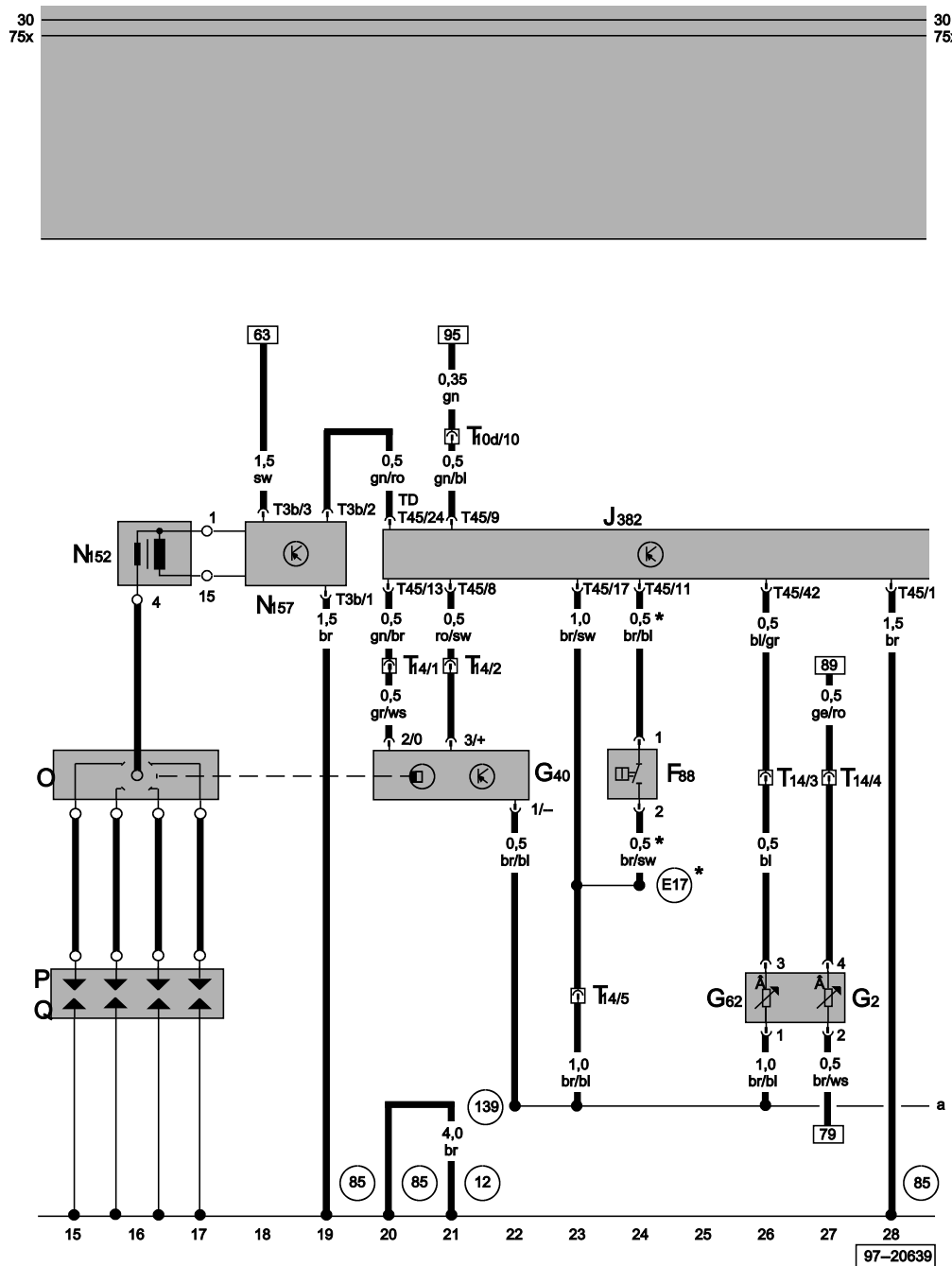
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

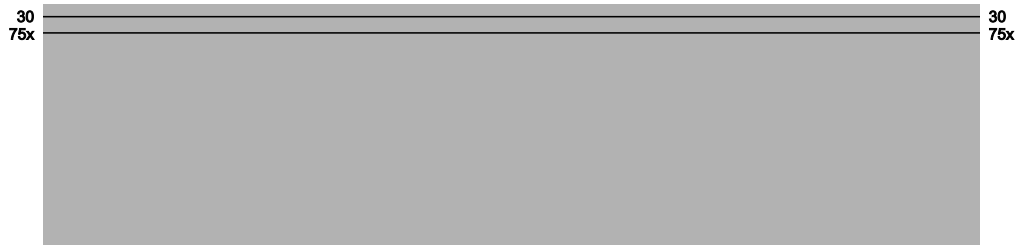
1AV injection system control unit, ignition system, Hall sender, coolant temperature sender, power assisted steering pressure switch

- F88 Power assisted steering pressure switch
- G2 Coolant temperature sender
- G40 Hall sender (00515)
- G62 Coolant temperature sender (00522)
- J382 1AV injection system control unit, right in plenum chamber
- N152 Ignition transformer
- N157 Ignition transformer output stage
- O Ignition distributor
- P Spark plug connector
- Q Spark plug
- T3b 3-pin connector, black, on output stage for ignition transformer
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- 139 Earth connection (sender earth), in Motronic wiring harness
- E17 Connection 2, in Motronic wiring harness
- * Only engine code AER

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



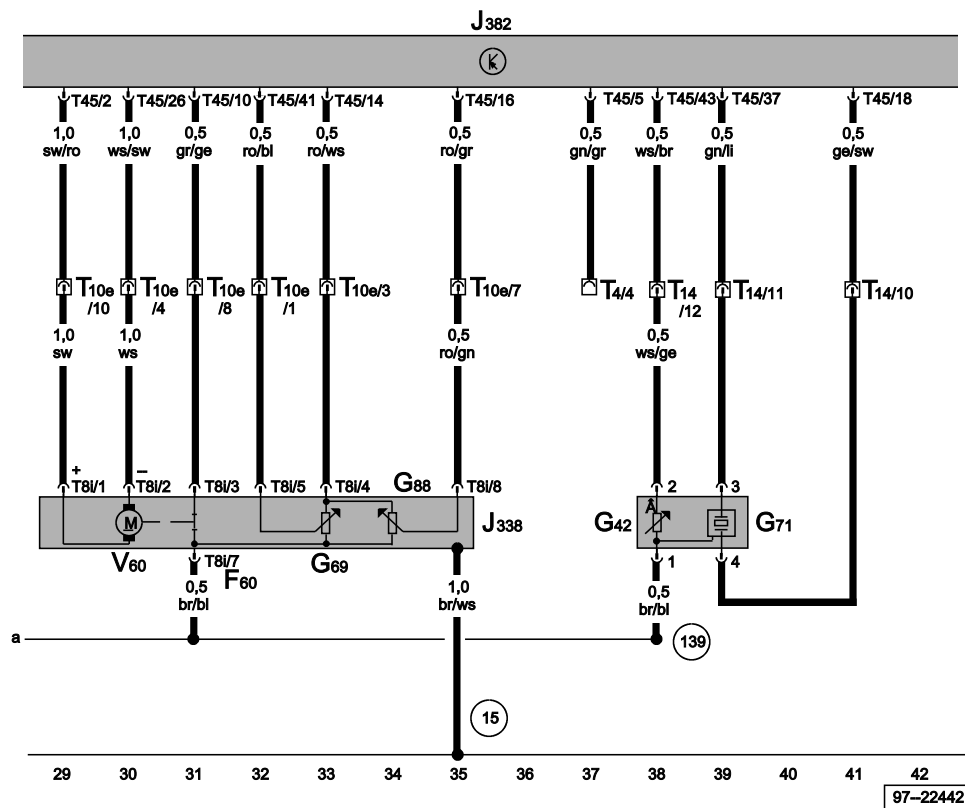


1AV injection system control unit, throttle valve module, intake air temperature sender, intake manifold pressure sender

- F60 Idling speed switch (00516)
- G42 Intake air temperature sender (00523)
- G69 Throttle valve potentiometer (00518)
- G71 Intake manifold pressure sender (00519)
- G88 Throttle valve module potentiometer (00530)
- J338 Throttle valve module, near intake manifold (01165)
- J382 1AV injection system control unit, right in plenum chamber
- T4 4-pin connector, black, on engine
- T8h 8-pin connector, black, on throttle valve control module
- T10e 10-pin connector, black, on engine
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black
- V60 Throttle valve module (00282)

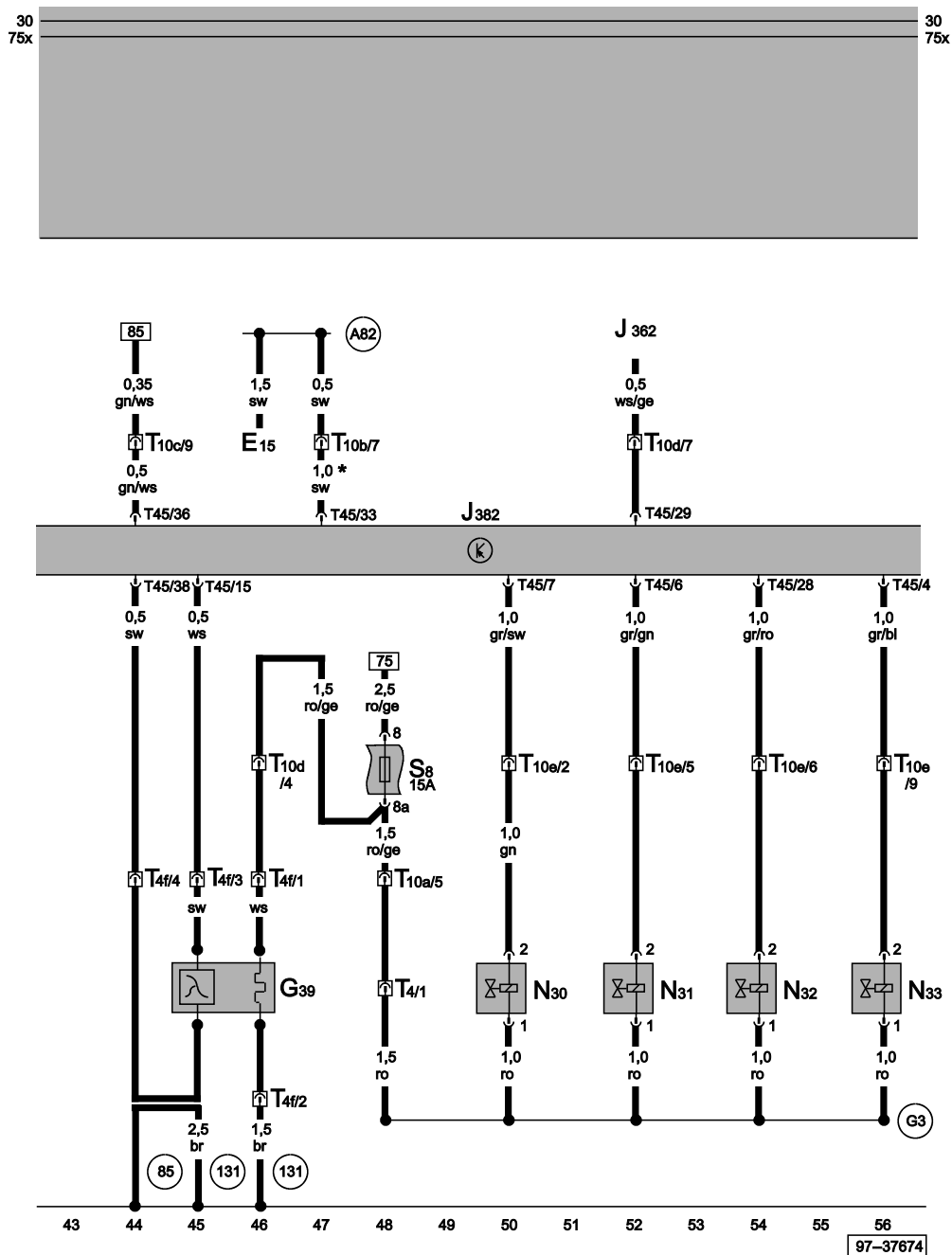
15 Earth point, on cylinder head

139 Earth connection (sender earth), in Motronic wiring harness

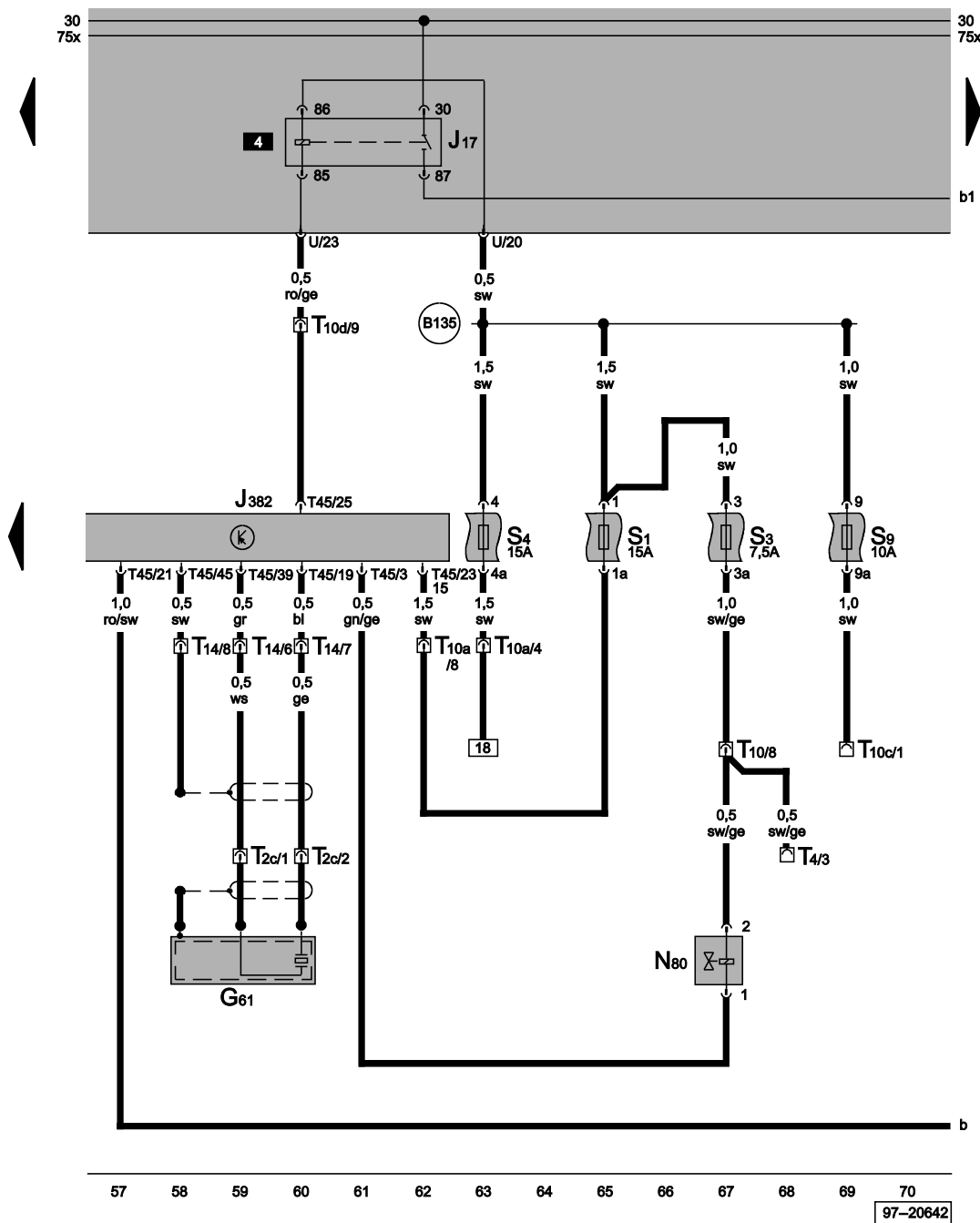


1AV injection system control unit, injectors, Lambda probe

- E15 Heated rear window switch
- G39 Lambda probe (00525)
- J362 Immobilizer control unit, next to steering column
- J382 1AV injection system control unit
- N30 Injector, cylinder 1 (01249)
- N31 Injector, cylinder 2 (01250)
- N32 Injector, cylinder 3 (01251)
- N33 Injector, cylinder 4 (01252)
- S8 Fuse on fuse holder
- T4 4-pin connector, black, on engine
- T4f 4-pin connector, black, on gearbox
- T8h 8-pin connector, black
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T10e 10-pin connector, black, on engine
- T45 45-pin connector, black
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 3, in engine compartment wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- G3 Positive connection in cable sleeve - injectors
- * Only engine code AER



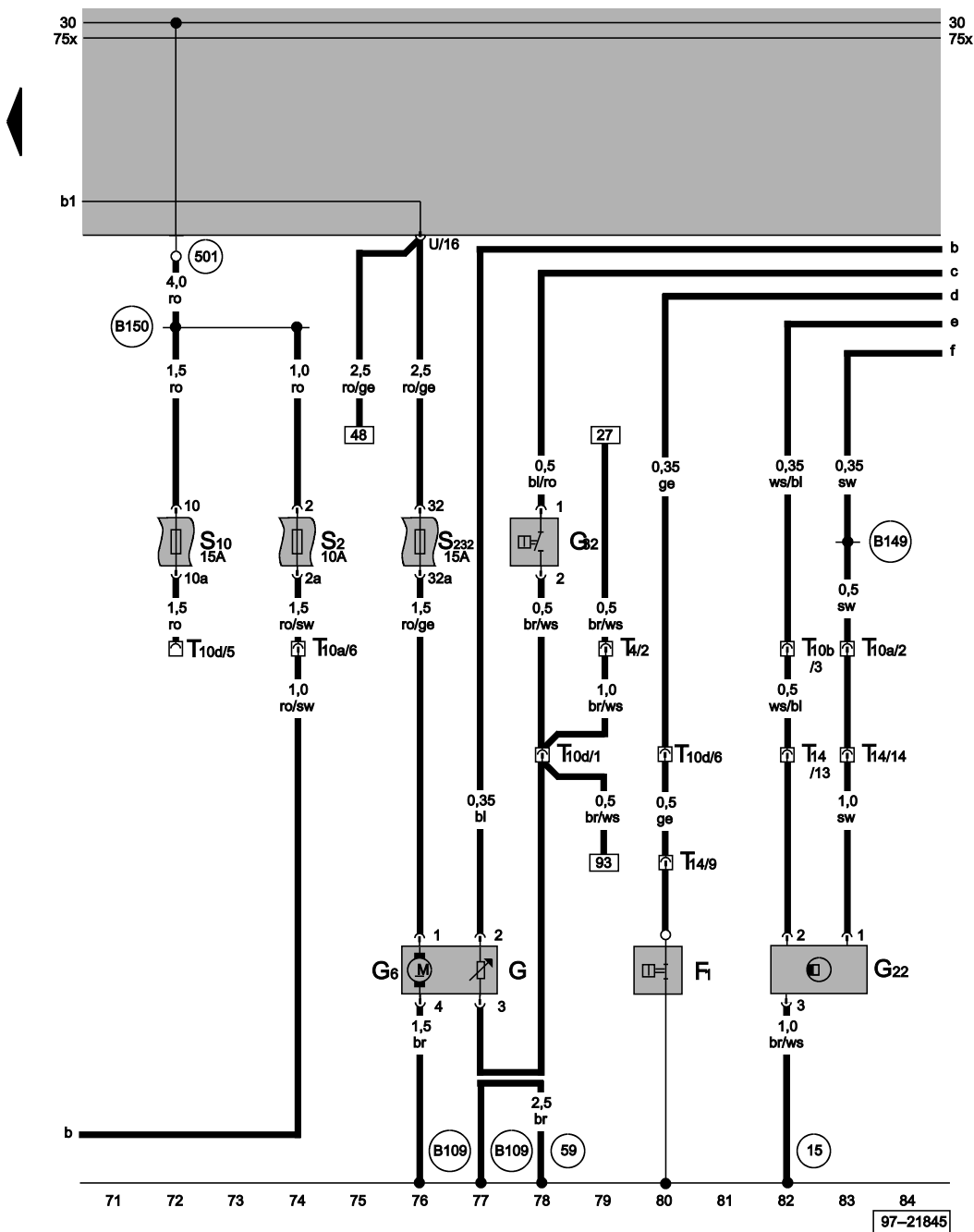
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink



1AV injection system control unit, knock sensor, exhaust gas recirculation frequency valve, activated charcoal filter system

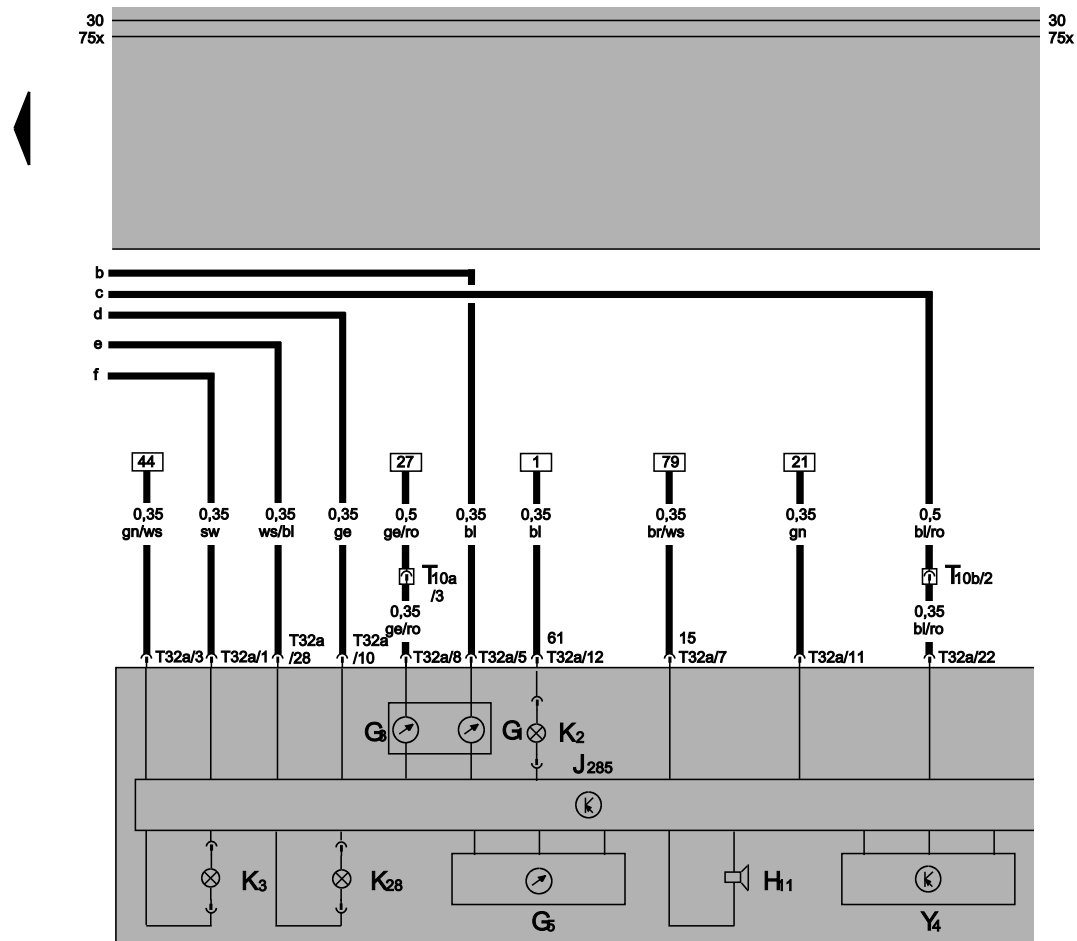
- G61 Knock sensor 1 (00524)
- J17 Fuel pump relay(01259)
- J382 1AV injection system control unit, right in plenum chamber
- N80 Activated charcoal filter system solenoid valve 1
- S1 Fuse on fuse holder
- S3 Fuse on fuse holder
- S4 Fuse on fuse holder
- S9 Fuse on fuse holder
- T2c 2-pin connector, black, on engine
- T4 4-pin connector, black, on engine
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

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



Speedometer sender, coolant shortage indicator sender, fuel supply

- F1 Oil pressure switch
- G Fuel gauge sender
- G6 Fuel pump
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- S2 Fuse on fuse holder
- S10 Fuse on fuse holder
- S232 Fuse on fuse holder
- T4 4-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- 15 Earth point, on cylinder head
- 59 Earth point, near left tail light
- 501 Screw connection 2 (30), on relay plate
- B109 Earth connection, in rear left interior wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness



Dash panel insert, alternator warning lamp, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustic oil pressure warning, odometer

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Trip counter

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

1.0 litre/37 kW Motronic, engine codes AER, ALL

From May 1997

1.4 litre/44 kW Motronic, engine codes AEX

1.6 litre/55 kW 1AV, engine codes AEE

From May 1997

1.4 litre/40 kW Motronic, engine codes ANX

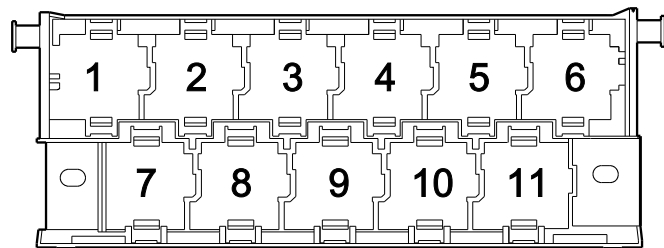
From May 1997

1.4 litre/44 kW Motronic, engine codes APQ

From January 1998

1.6 litre/55 kW 1AV, engine codes AEE, from May 1997

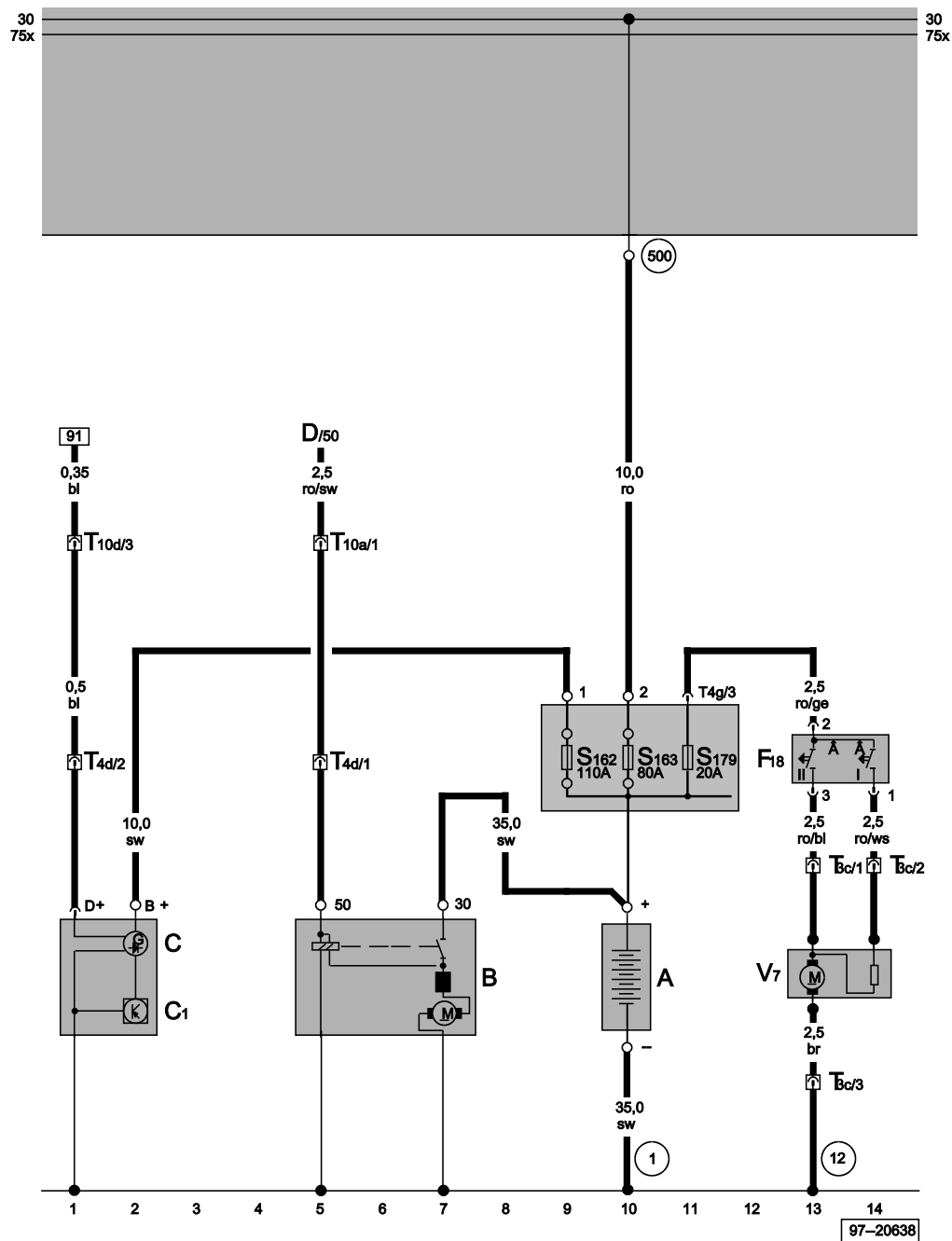
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S179 Fuse -7- (30), in fuse box/battery
- T3c 3-pin connector, black, on radiator fan
- T4d 4-pin connector, black, on gearbox
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate

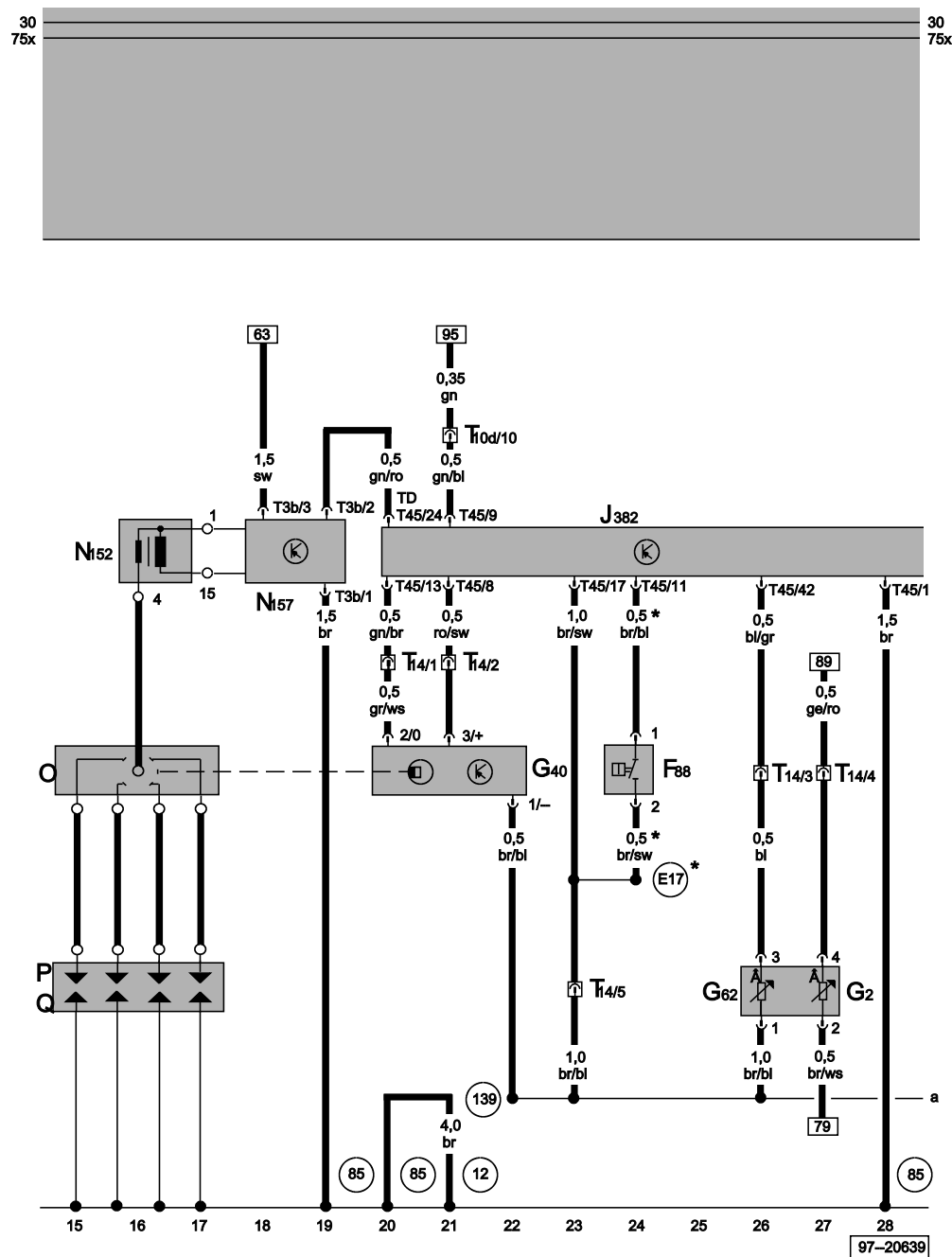
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

1AV control unit (injection system), ignition system, Hall sender, coolant temperature sender, power assisted steering pressure switch

- F88 Power assisted steering pressure switch
- G2 Coolant temperature sender
- G40 Hall sender
- G62 Coolant temperature sender
- J382 1AV control unit (injection system), right in plenum chamber
- N152 Ignition transformer
- N157 Ignition transformer output stage
- O Ignition distributor
- P Spark plug connector
- Q Flame plug
- T3b 3-pin connector, black, on ignition transformer output stage
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 139 Earth connection (sender earth), in Motronic wiring harness
- E17 Connection -2-, in Motronic wiring harness
- * For engine code AER only

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

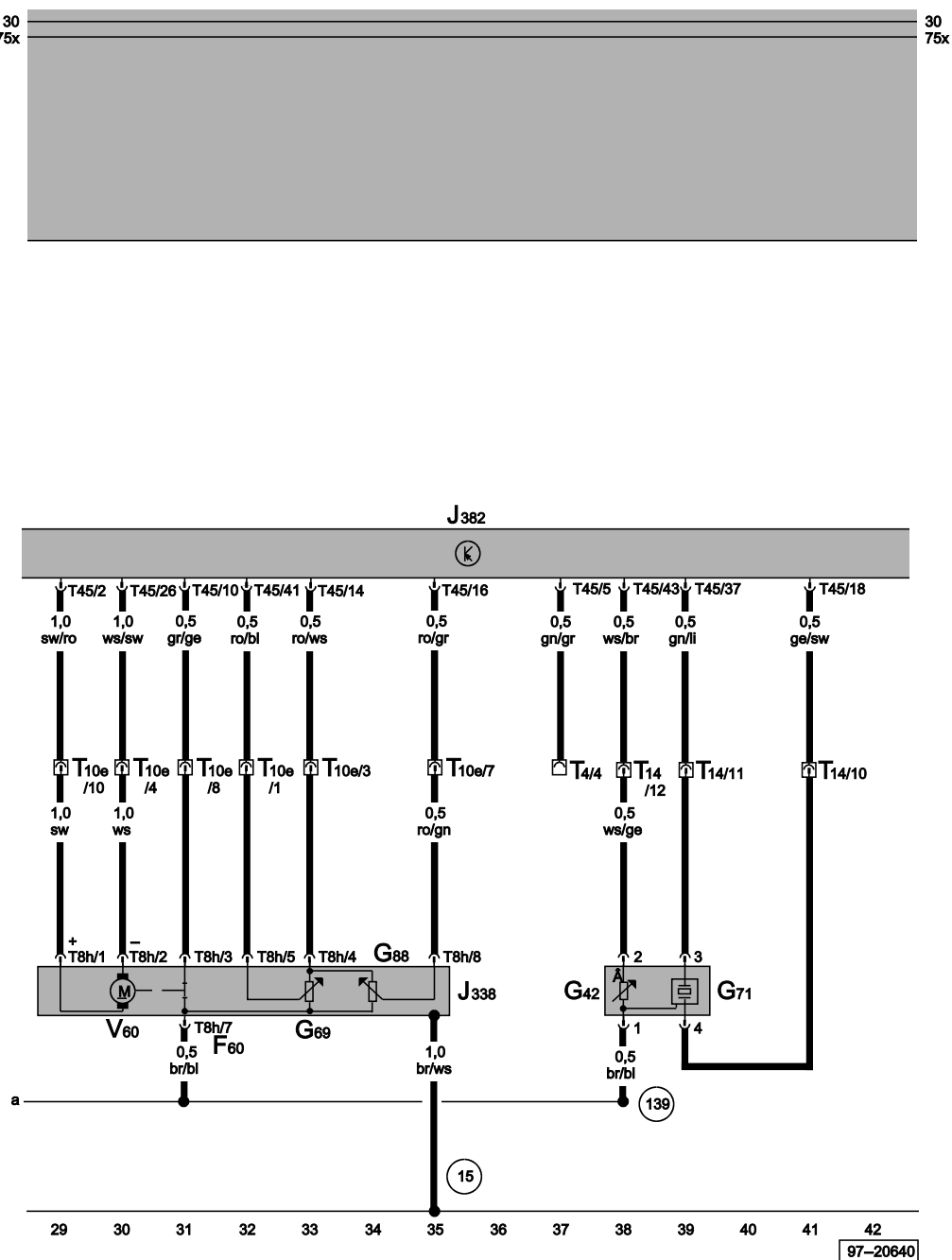


1AV control unit (injection system), throttle valve control part, intake air temperature sender, intake manifold pressure sender

- F60 Idling switch
- G42 Intake air temperature sender
- G69 Throttle valve potentiometer
- G71 Intake manifold pressure sender
- G88 Throttle valve positioner potentiometer
- J338 Throttle valve control unit, near intake manifold
- J382 1AV control unit (injection system), right in plenum chamber
- T4 4-pin connector, black, on engine
- T8h 8-pin connector, black, on throttle valve control unit
- T10e 10-pin connector, black, on engine
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black
- V60 Throttle valve positioner

15 Earth point, on cylinder head

139 Earth connection (sender earth), in Motronic wiring harness

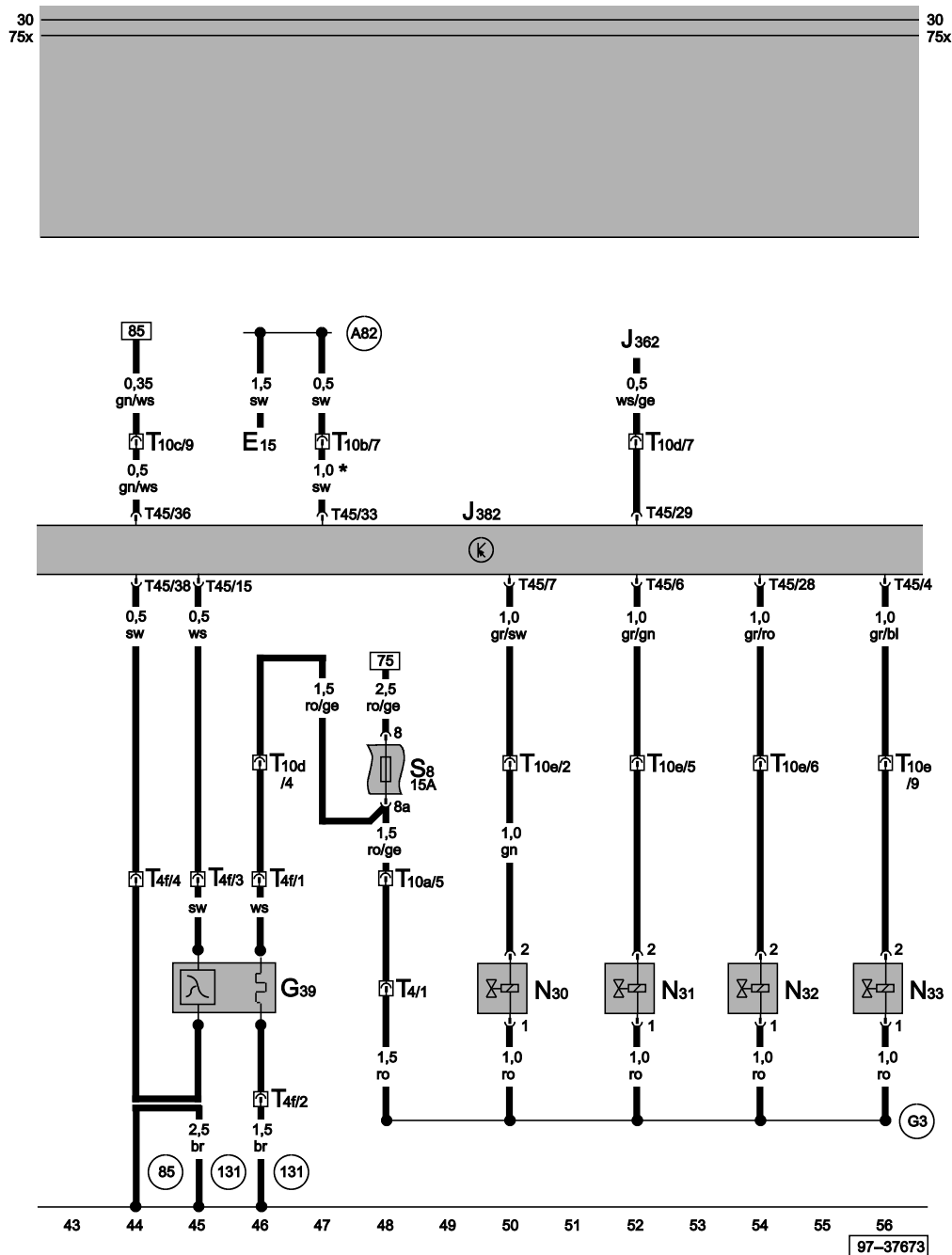


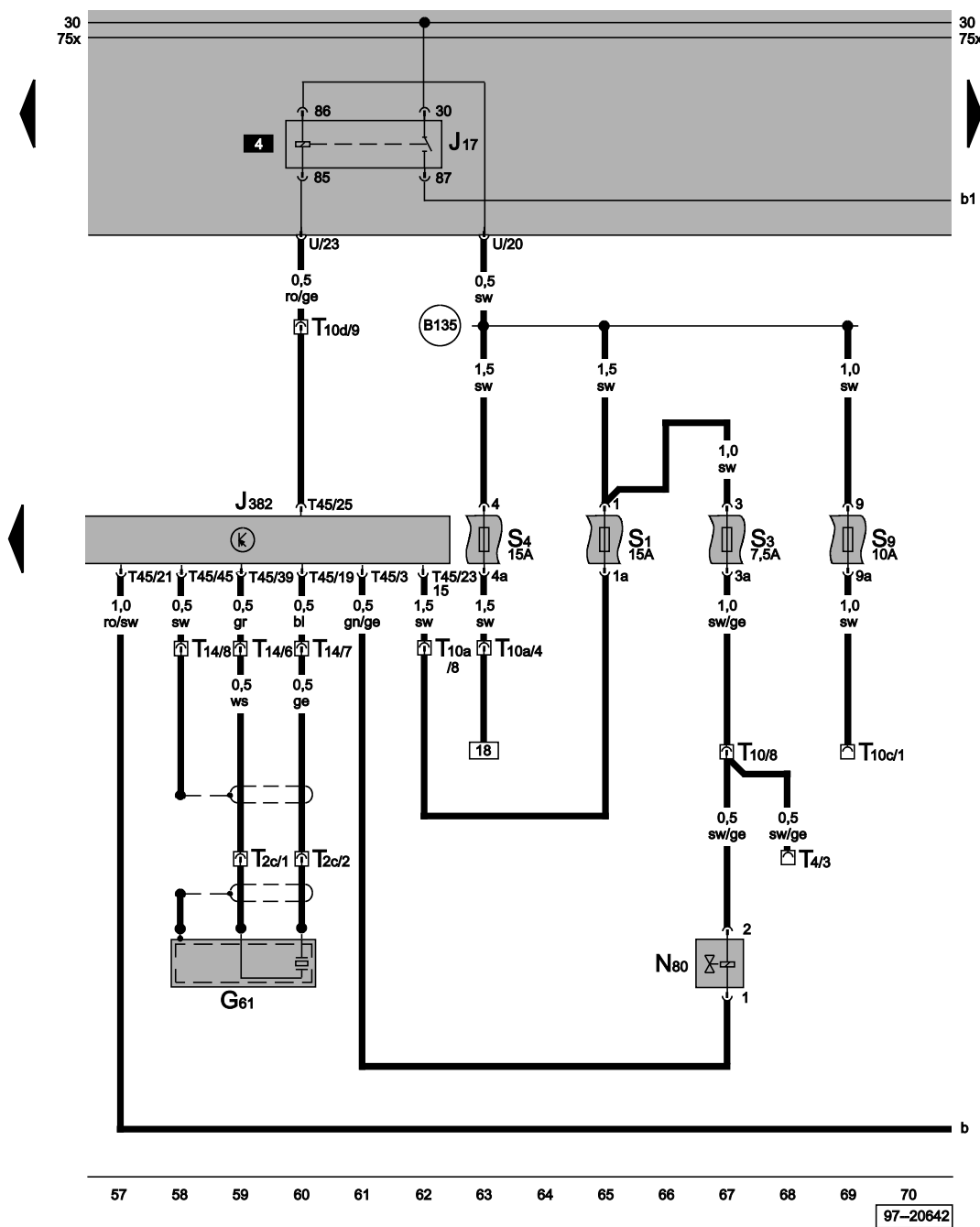
1AV control unit (injection system), injectors, lambda probe

- E15 Heated rear window switch
- G39 Lambda probe
- J362 Immobilizer control unit, next to steering column
- J382 1AV control unit (injection system)
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- S8 Fuse in fuse holder
- T4 4-pin connector, black, on engine
- T4f 4-pin connector, black, on gearbox
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T10e 10-pin connector, black, on engine
- T45 45-pin connector, black

- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 3, in engine compartment wiring harness
- A82 Connection (windscreen heater), in dash panel wiring harness
- G3 Positive connection in cable sleeve - injectors
- * Only applies to engine code AER

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

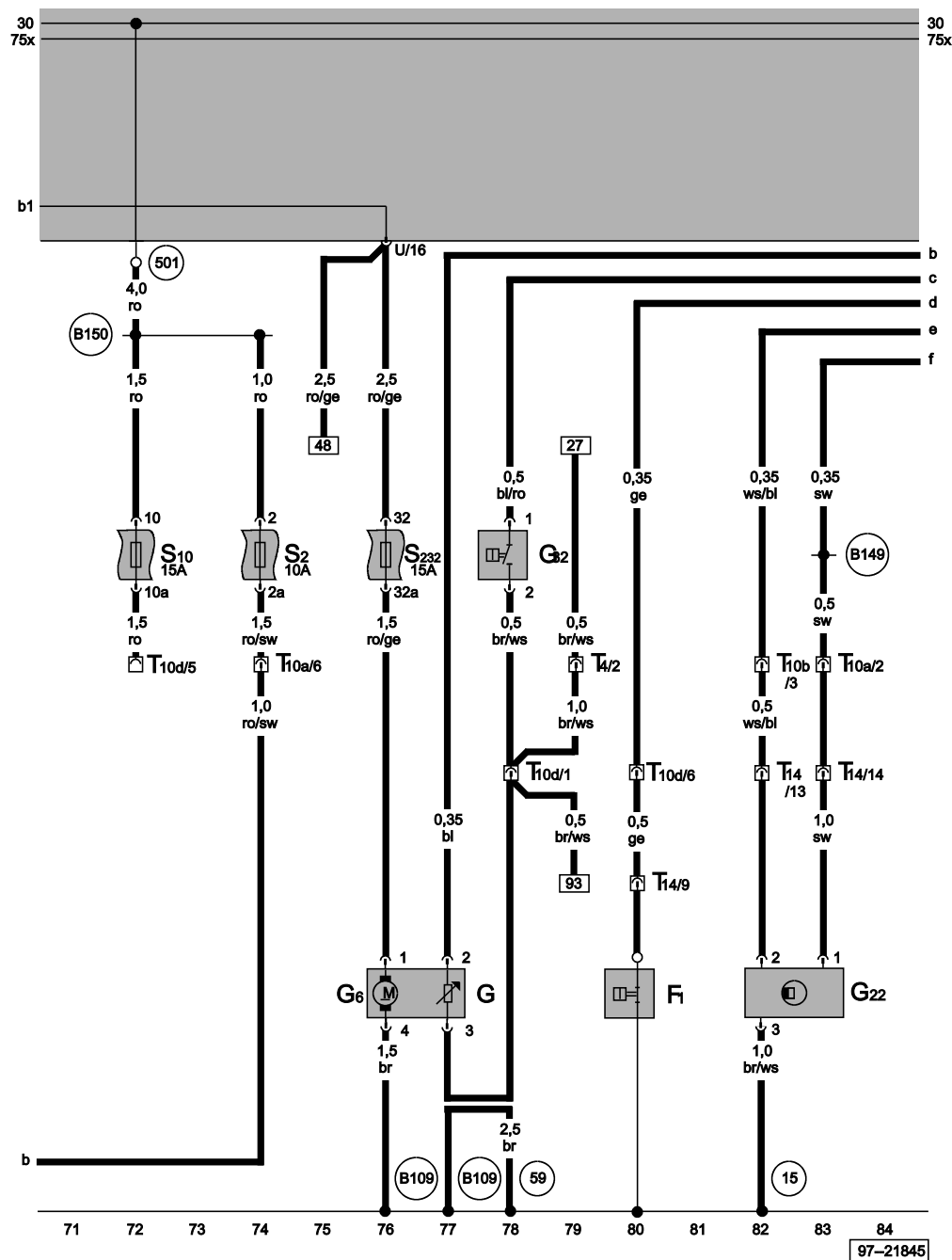




1AV control unit (injection system), knock sensor, exhaust gas recirculation pulsed valve, activated charcoal filter system

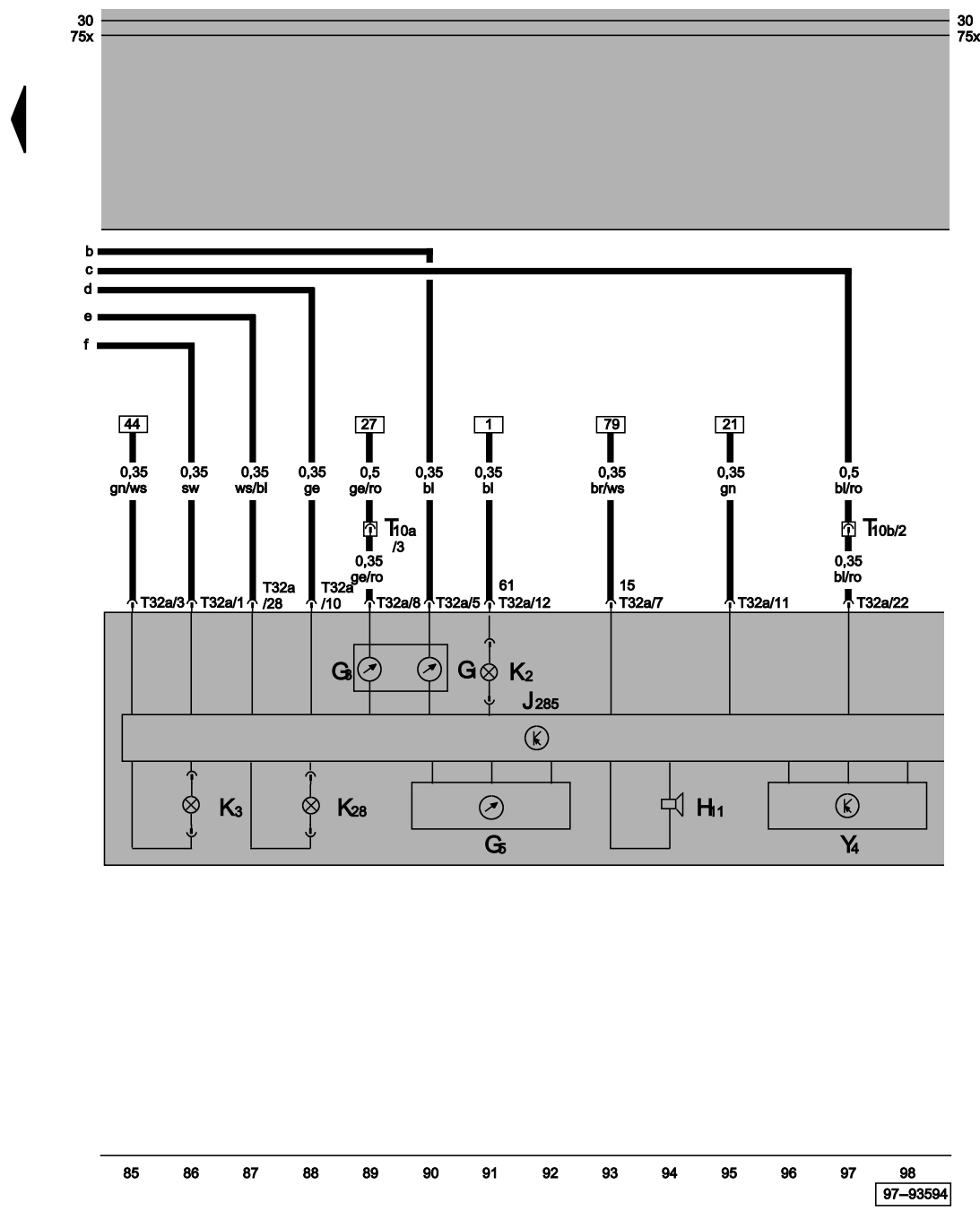
- G61 Knock sensor I
- J17 Fuel pump relay (01259)
- J382 1AV control unit (injection system), right in plenum chamber
- N80 Activated charcoal filter system solenoid valve I
- S1 Fuse in relay plate fuse box
- S3 Fuse in relay plate fuse box
- S4 Fuse in relay plate fuse box
- S9 Fuse in relay plate fuse box
- T2c 2-pin connector, on engine
- T4 4-pin connector, black, on engine
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T45 45-pin connector, black

B135 Connection (15a), in interior wiring harness



Speedometer sender, coolant shortage indicator sender, fuel supply

- F1 Oil pressure switch
- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- S2 Fuse in relay plate fuse box
- S10 Fuse in relay plate fuse box
- S232 Fuse in fuse holder
- T4 4-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- 15 Earth point, on cylinder head
- 59 Earth point, near left-hand tail light
- 501 Screw connection -2- (30), on relay plate
- B109 Earth connection, in rear left interior wiring harness
- B149 Positive connection -2- (15a), in interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness



Dash panel insert, alternator warning lamp, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustic oil pressure warning, odometer

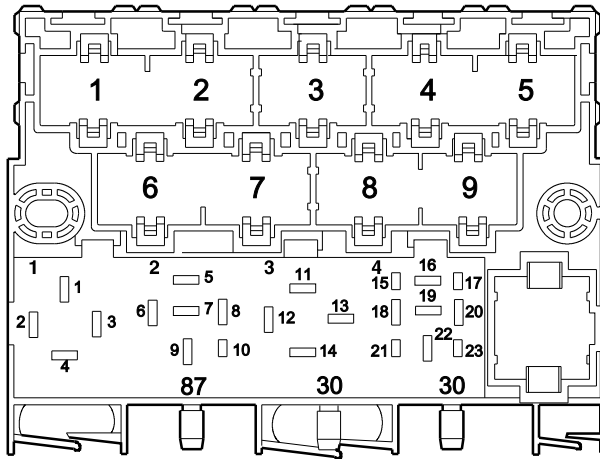
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T32a 32-pin connector, blue, on dash panel insert
- Y4 Odometer display

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

1.6 l/88 kW - 4CV, engine codes AJV

From August 1998

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97--20672

4 - Fuel pump relay (167)

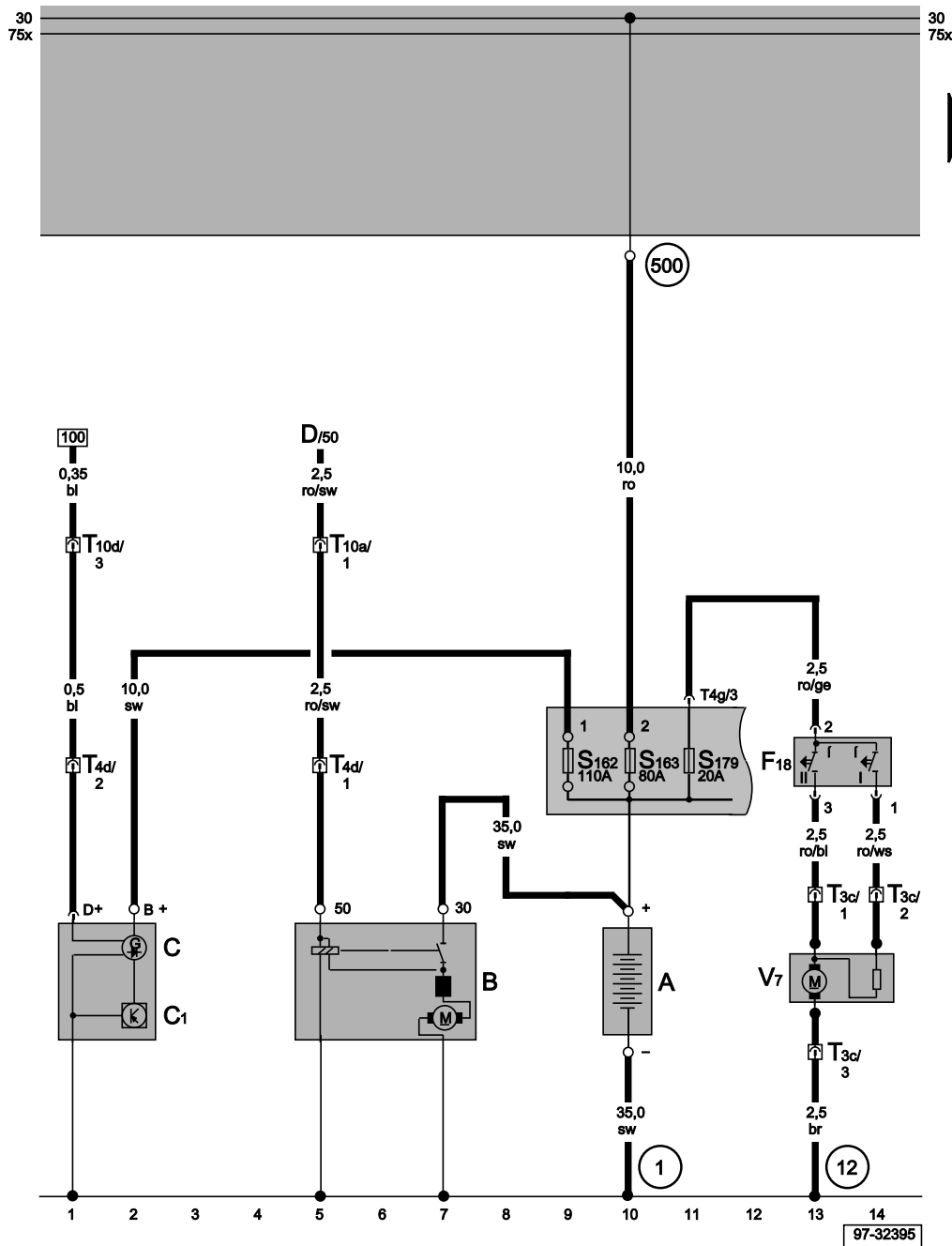


Note!

♦ *The number in brackets behind the part designation denotes the control number on the housing.*

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

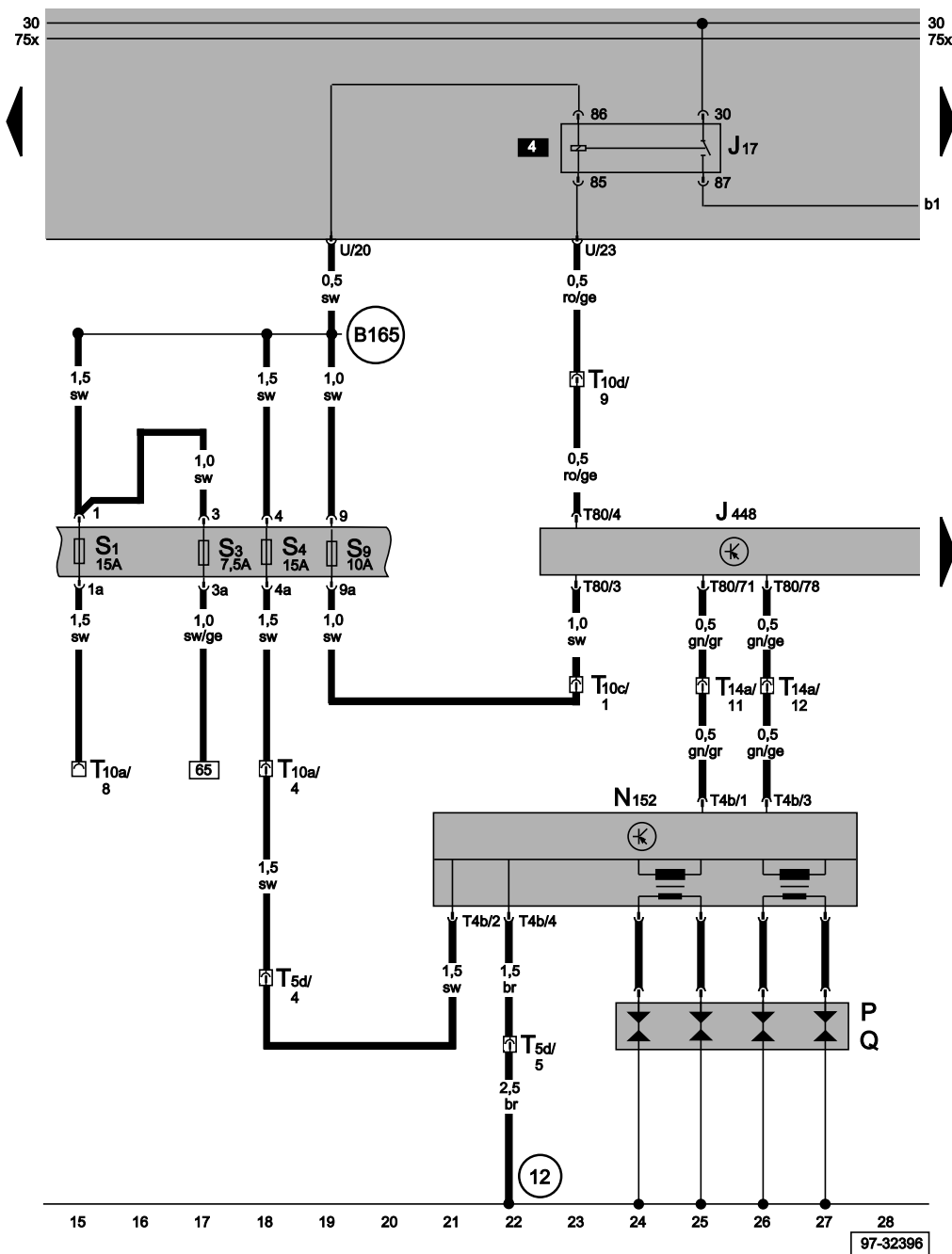


Battery, starter, alternator, radiator fan, radiator fan thermo-switch

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S179 Fuse -7- (30), in fuse box/battery
- T3c 3-pin connector, black, on radiator fan
- T4d 4-pin connector, black, on gearbox
- T4g 4-pin connector, black, near battery
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate

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



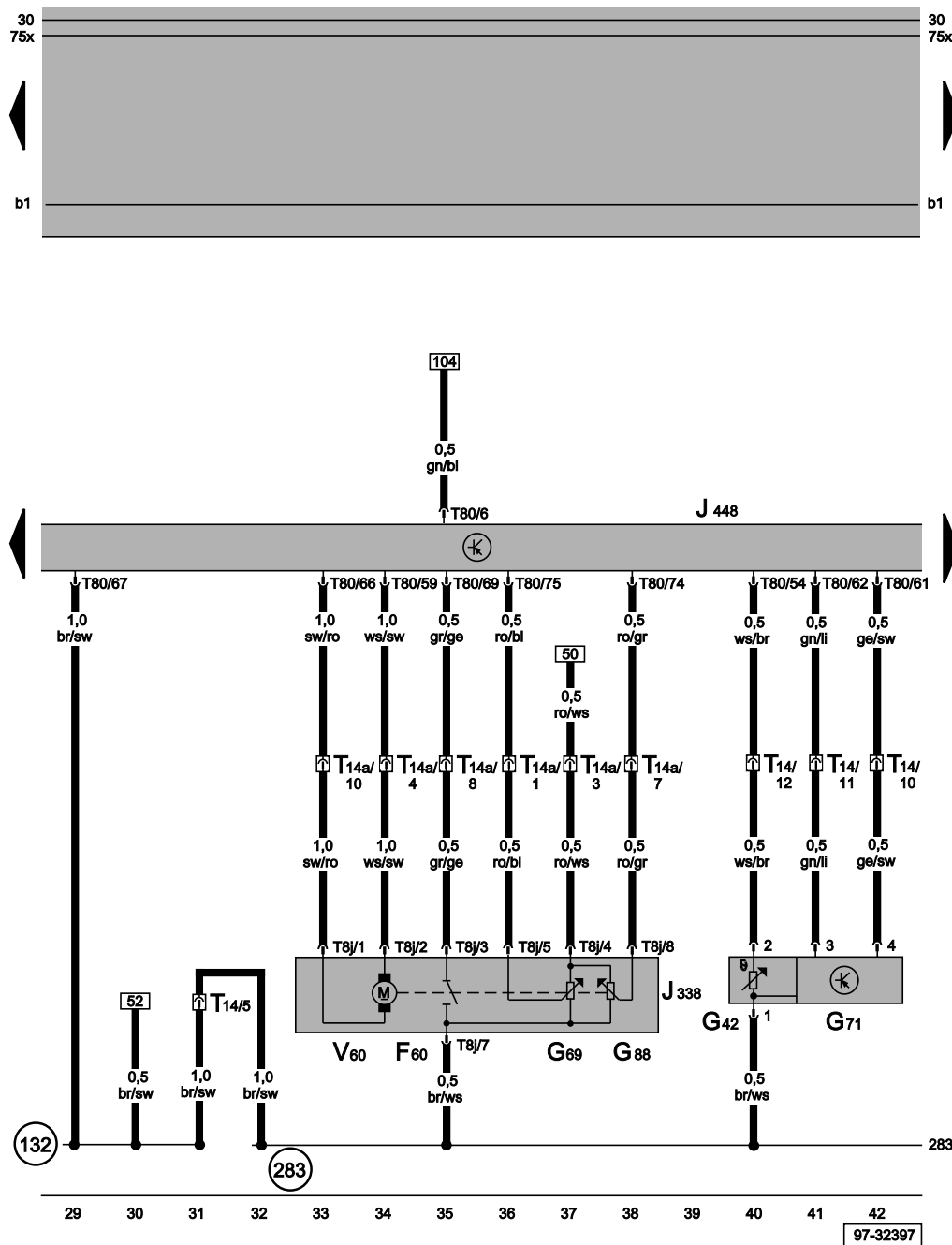
4CV control unit (injection system), ignition system, fuel pump relay

- J17 Fuel pump relay
- J448 4AV/4CV (injection system) control unit
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- S1 Fuse in fuse box/relay plate
- S3 Fuse in fuse box/relay plate
- S4 Fuse in fuse box/relay plate
- S9 Fuses in fuse box/relay plate
- T4b 4-pin connector
- T5d 5-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T14a 14-pin connector, black, on engine
- T80 80-pin connector

12 Earth point, in engine compartment, left

B165 Positive (+) connection -2- (15), in interior wiring harness

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

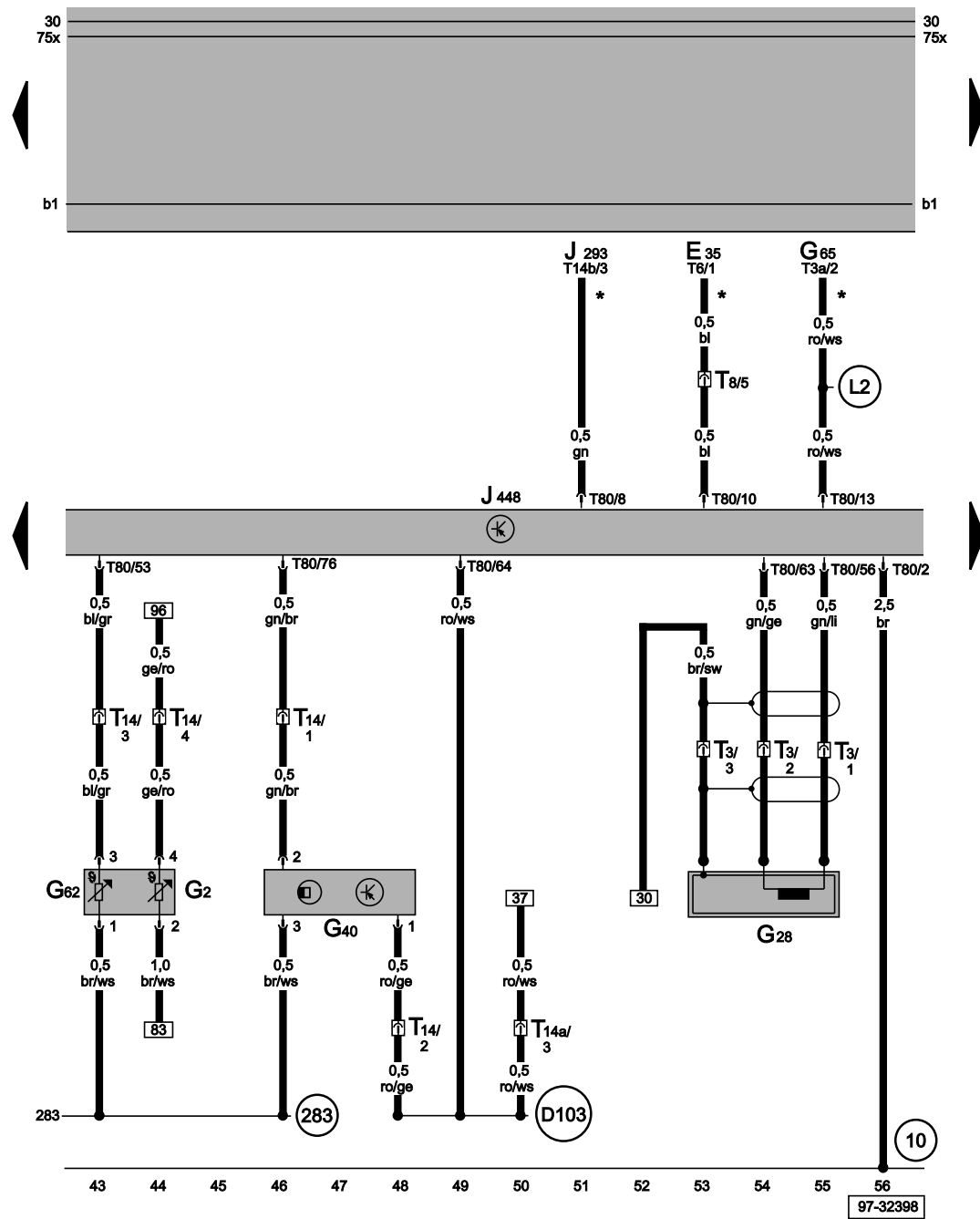


4CV control unit (injection system), throttle valve control unit, intake air temperature sender, intake manifold pressure sender

- F60 Idling switch
- G42 Intake air temperature sender
- G69 Throttle valve potentiometer
- G71 Intake manifold pressure sender
- G88 Throttle valve positioner potentiometer
- J338 Throttle valve control unit, near intake manifold
- J448 4AV/4CV (injection system) control unit
- T8j 8-pin connector, black
- T14 14-pin connector, black, on engine
- T14a 14-pin connector, brown, on engine
- T80 80-pin connector
- V60 Throttle valve positioner

132 Earth connection -3-, in engine compartment wiring harness

283 Earth connection -2-, in engine prewiring wiring harness



4CV control unit (injection system), engine speed sender, Hall sender

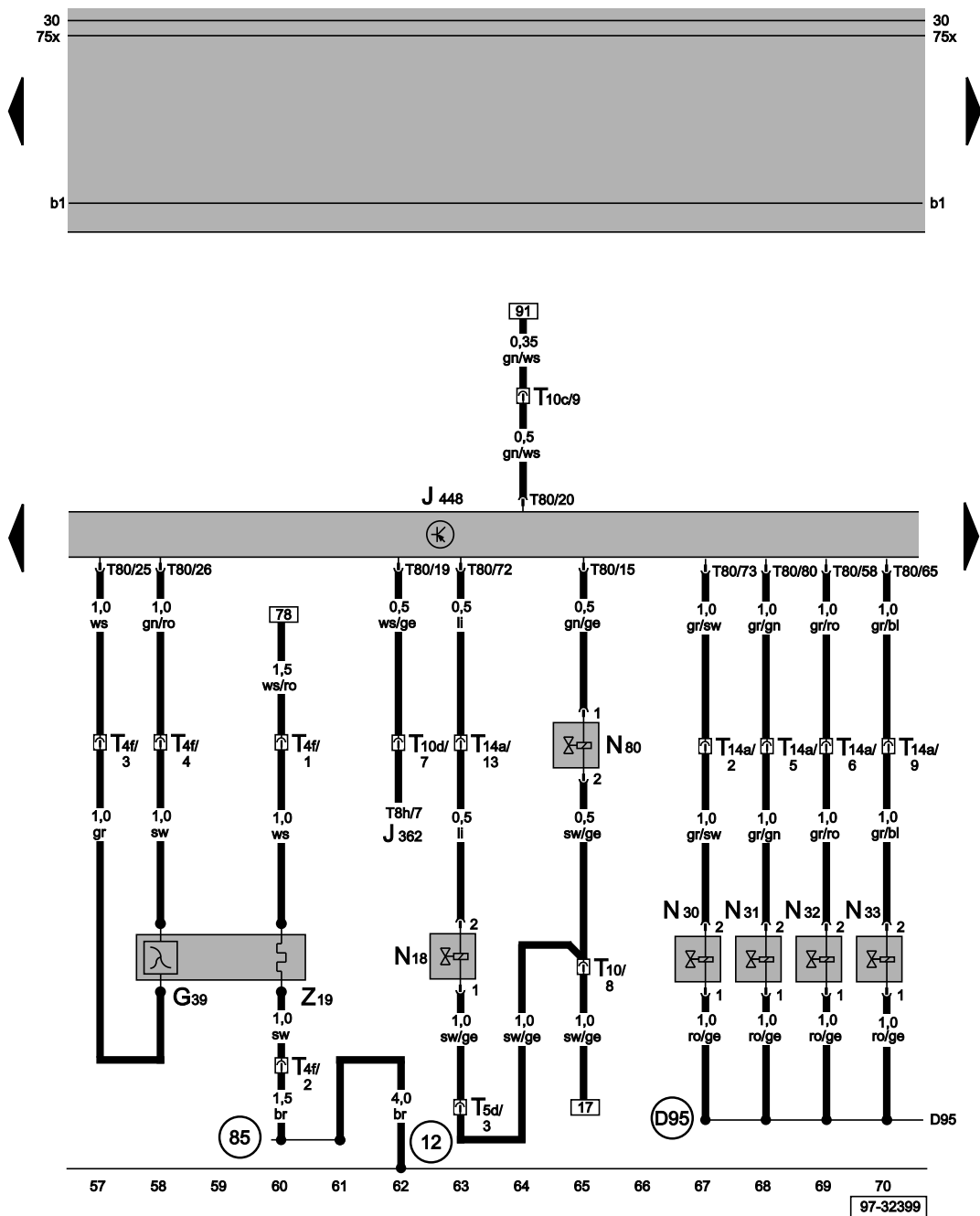
- E35 Air conditioner switch
- G2 Coolant temperature sender
- G28 Engine speed sender
- G40 Hall sender
- G62 Coolant temperature sender
- G65 High pressure sender
- J293 Radiator fan control unit
- J448 4AV/4CV (injection system) control unit
- T3 3-pin connector, on cylinder head, left
- T3a 3-pin connector
- T6 6-pin connector
- T8 8-pin connector
- T14 14-pin connector, black, on engine
- T14a 14-pin connector, brown, on engine
- T14b 14-pin connector
- T80 80-pin connector

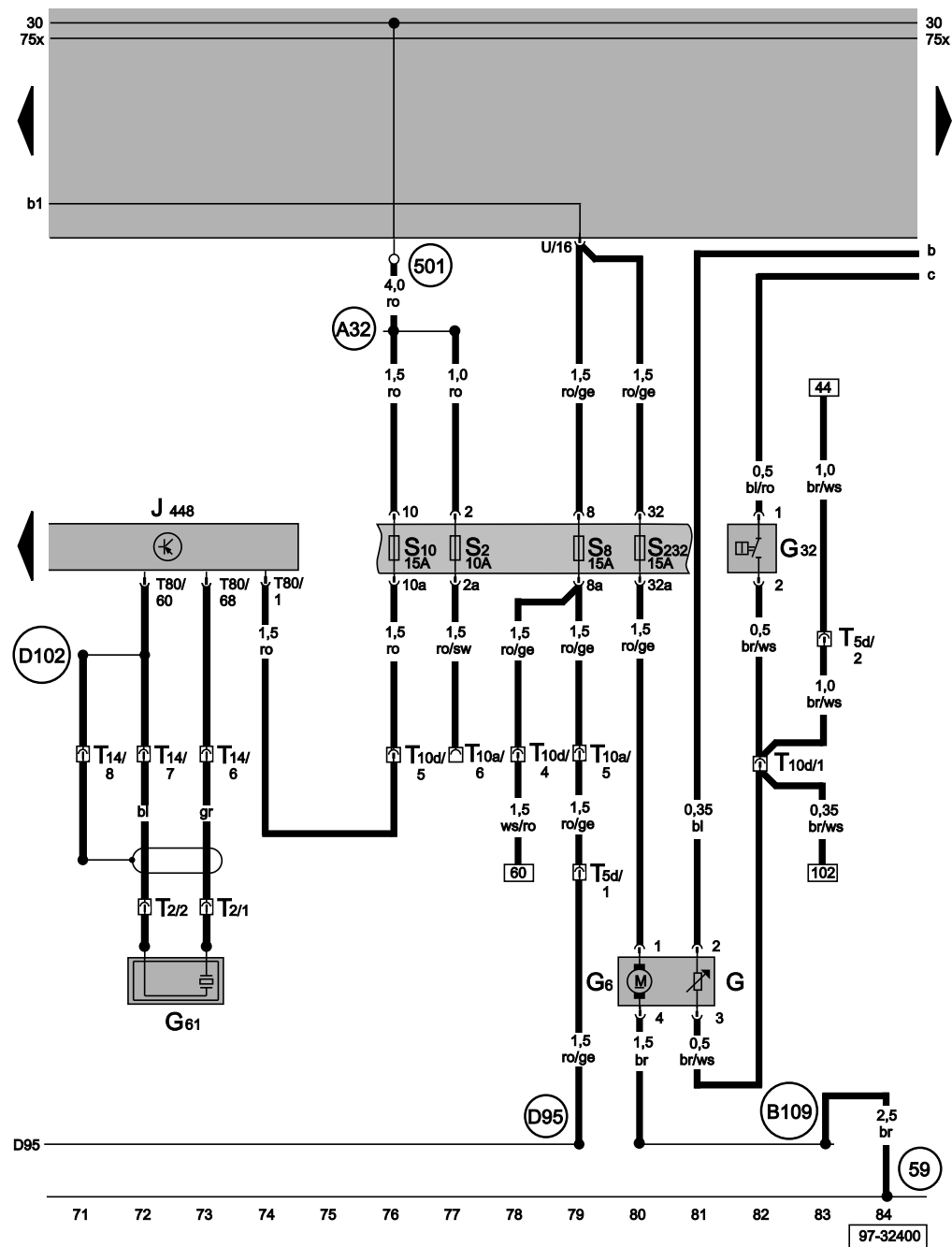
- 10 Earth point, in plenum chamber
- 283 Earth connection -2-, in engine prewiring wiring harness
- D103 Connection -3-, in engine compartment wiring harness
- L2 Connection, in air conditioner wiring harness
- * Only models with air conditioner

4CV control unit (injection system), throttle valve control unit, intake air temperature sender, intake manifold pressure sender, exhaust gas recirculation valve, activated charcoal filter system solenoid valve 1

- G39 Lambda probe
- J362 Immobilizer control unit, next to steering column
- J448 4AV/4CV (injection system) control unit
- N18 Exhaust gas recirculation valve
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N80 Activated charcoal filter system solenoid valve 1
- T4f 4-pin connector, black, on gearbox
- T5d 5-pin connector, black, on engine
- T8h 8-pin connector
- T10 10-pin connector, white, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station
- T14a 14-pin connector, brown, on engine
- T80 80-pin connector
- Z19 Lambda probe heater
- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness

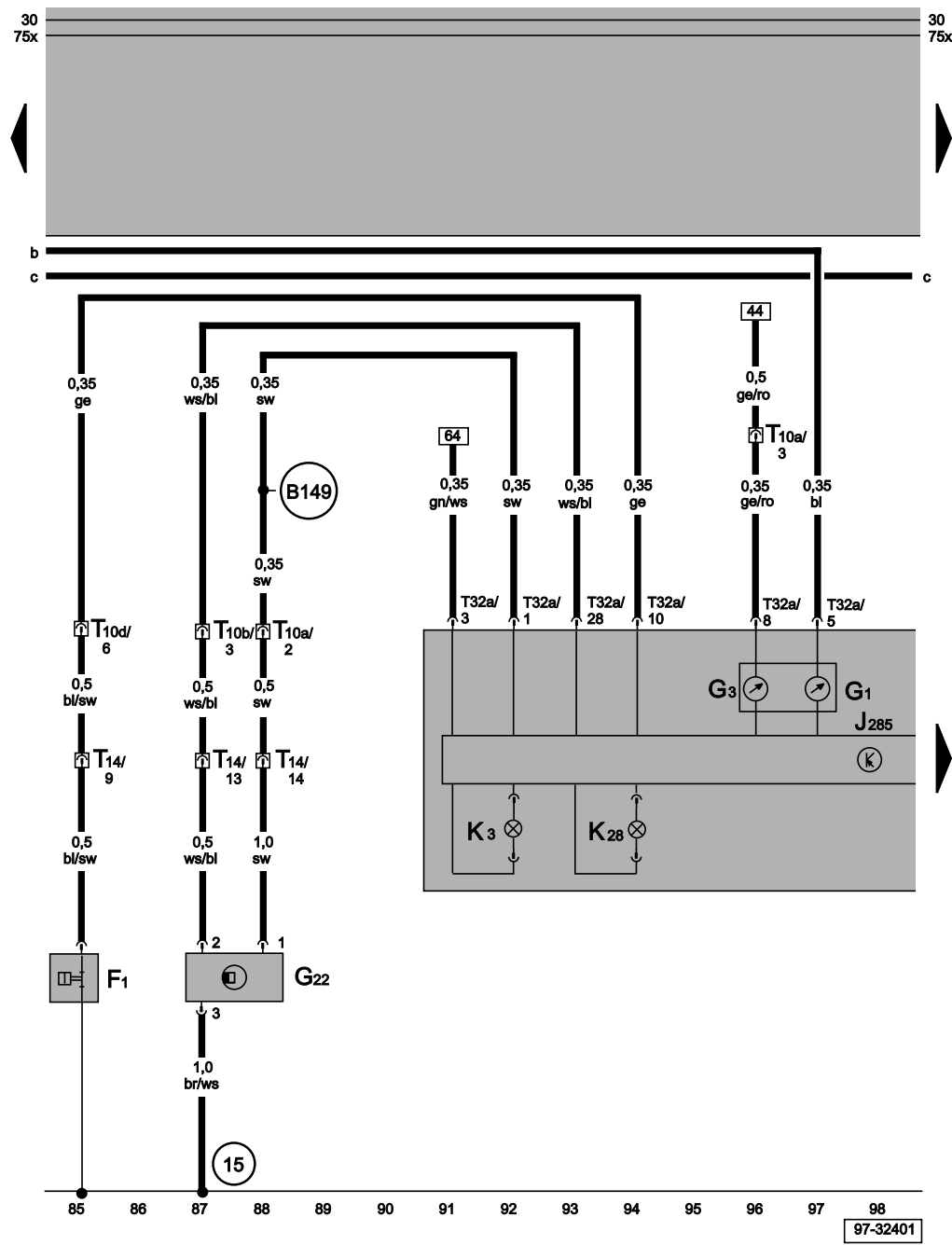
ws = white
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 rs = pink





4CV control unit (injection system), coolant shortage indicator sender, fuel pump (pre-supply pump), fuel gauge sender, knock sensor

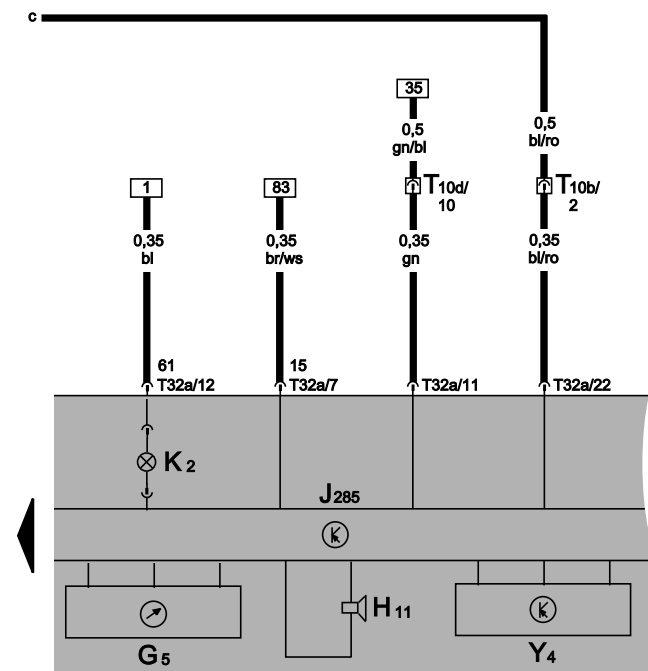
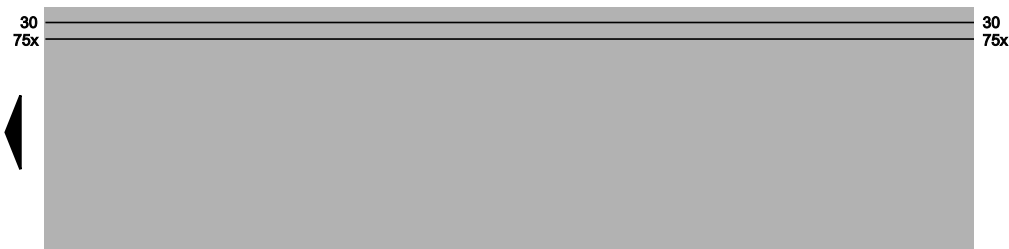
- G Fuel gauge sender
- G6 Fuel pump
- G32 Coolant shortage indicator sender
- G61 Knock sensor I
- J448 4AV/4CV (injection system) control unit
- S2 Fuse in fuse box/relay plate
- S8 Fuse in fuse box/relay plate
- S10 Fuse in fuse box/relay plate
- S232 Fuse in fuse box
- T2 2-pin connector, black, on engine
- T5d 5-pin connector, black, on engine
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T80 80-pin connector
- 59 Earth point, near left tail light
- 501 Screwed connection -2- (30), on relay plate
- A32 Positive (+) connection (30), in dash panel wiring harness
- B109 Earth connection, in interior wiring harness, rear left
- D95 Connection (injectors), in engine compartment wiring harness
- D102 Connection -2-, in engine compartment wiring harness



Dash panel insert, fuel gauge, coolant shortage and coolant temperature indicator, oil pressure switch, speedometer sender

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G22 Speedometer sender (Hall sender, on gearbox)
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T14 14-pin connector, black, on engine
- T32a 32-pin connector, blue
- 15 Earth point, on cylinder head
- B149 Positive (+) connection -2- (15a), in interior wiring harness

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



Rev. counter, oil pressure warning buzzer, alternator warning lamp, odometer display, dash panel insert

- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T32a 32-pin connector, blue
- Y4 Odometer display

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

Basic equipment

From October 1999

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

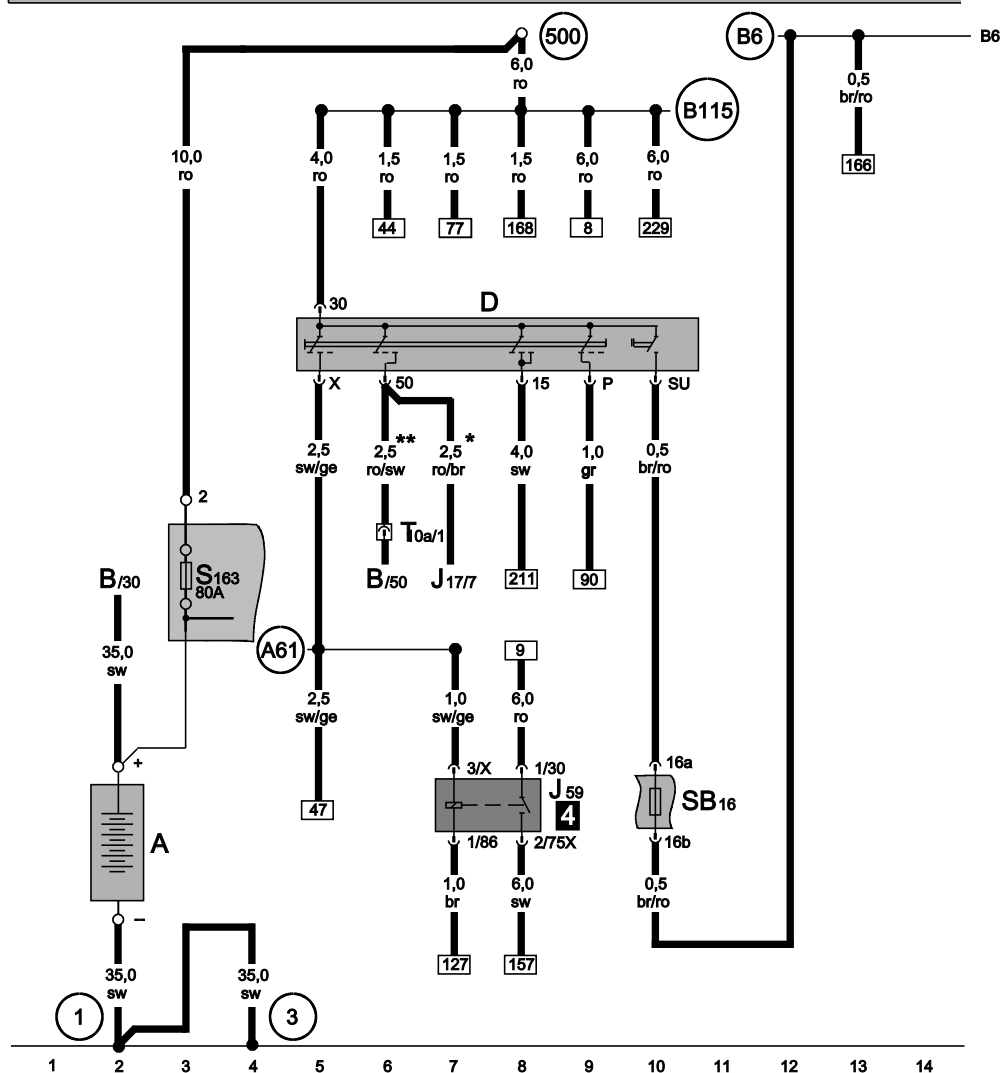
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding



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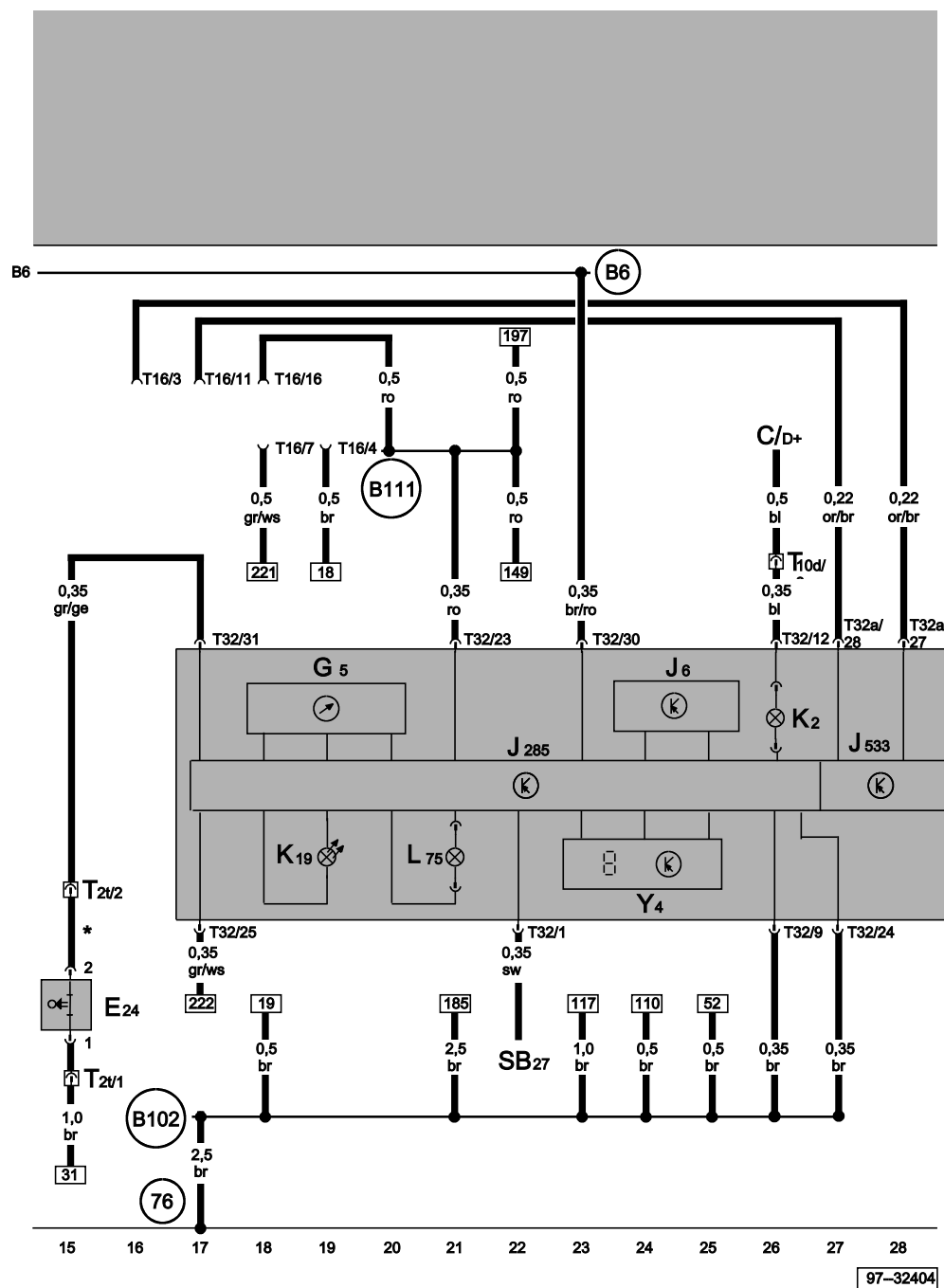
Battery, ignition/starter switch, X-contact relief relay

- A Battery
- B Starter
- D Ignition/starter switch
- J17 Fuel pump relay
- J59 X-contact relief relay
- SB16 Fuse 16 on fuse holder
- S163 Fuse 2 (30), on battery fuse holder
- T10a 10-pin connector, green, near relay station

- 1 Earth strap, battery - body
- 3 Earth strap, engine - body
- 500 Screw connection 1 (30), on relay plate
- A61 Positive connection (X), in instrument panel wiring harness
- B6 Connection (s), in steering column switch wiring harness
- B115 Positive connection, (30, central electrics), in interior wiring harness

- * Only models with petrol engine
- ** Only models with diesel engine

- ws = white
- sw = black
- ro = red
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Dash panel insert, rev. counter, self-diagnosis connection, odometer, seat belt warning system, data bus diagnostic interface

- C Alternator
- E24 Driver side belt switch
- G5 Rev. counter
- J6 Voltage stabiliser
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- K2 Alternator warning lamp
- K19 Seat belt warning system warning lamp
- SB27 Fuse 27 on fuse holder
- L75 Digital display illumination bulb
- T2t 2-pin connector, under driver seat
- T10d 10-pin connector, red, relay station
- T16 16-pin connector, self-diagnosis connection, on right in glove compartment
- T32 32-pin connector, blue
- Y4 Trip counter

- 76 Earth point, near selector mechanism
- B6 Connection (s), in steering column switch wiring harness
- B102 Earth connection, in front left interior wiring harness
- B111 Positive connection 1 (30a), in interior wiring harness

* Not on all equipment levels

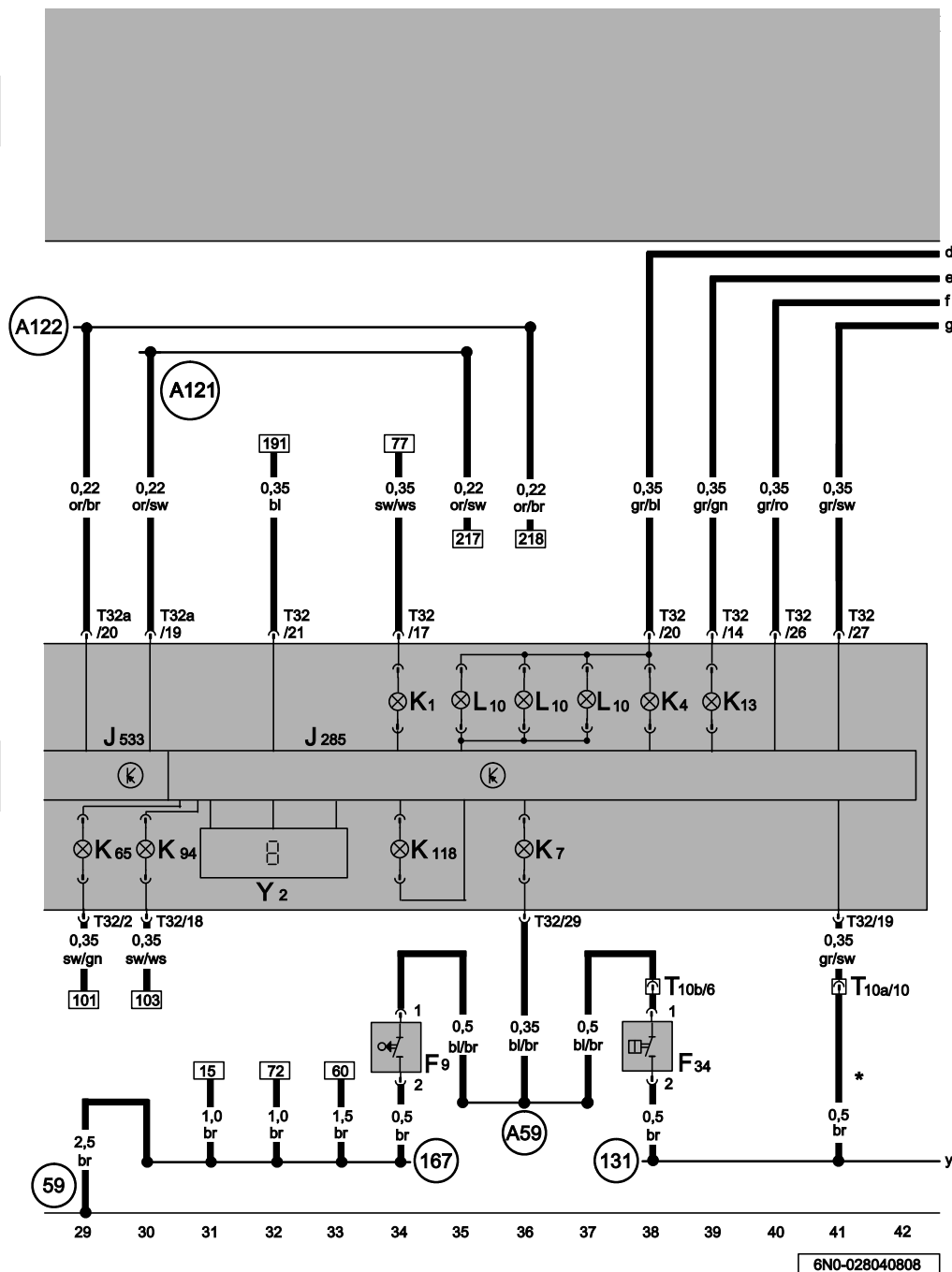
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Dash panel insert, digital clock, main beam warning lamp, side light warning lamp, turn signal indicator lamp, handbrake warning, brake fluid level warning contact

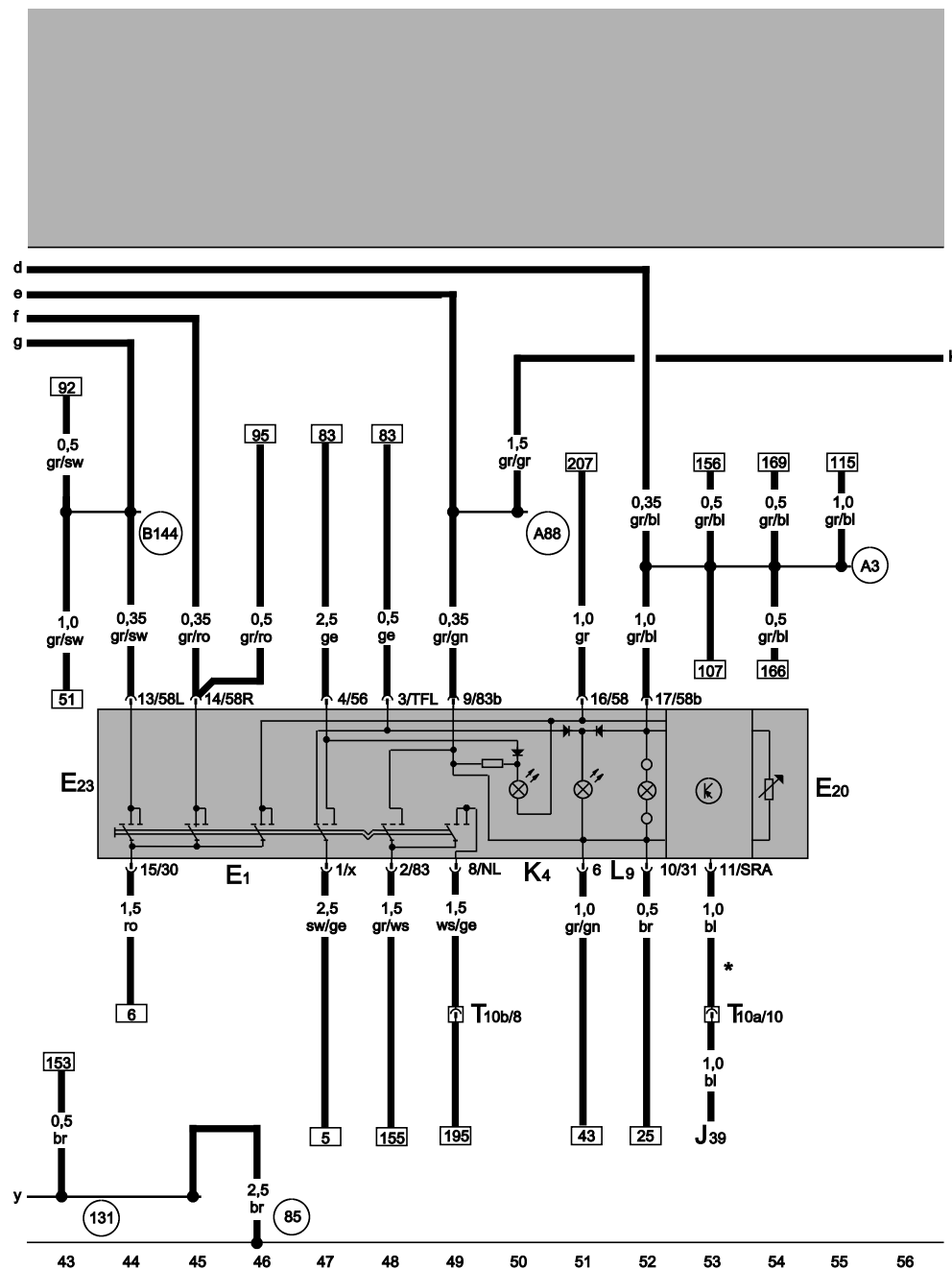
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K7 Dual circuit brakes/handbrake warning lamp
- K13 Rear fog light warning lamp
- K65 Left turn signal warning lamp
- K94 Right turn signal warning lamp
- K118 Brake system warning lamp
- L10 Dash panel insert illumination bulb
- T10a 10-pin connector, near relay station
- T10b 10-pin connector, near relay station
- T32 32-pin connector, blue
- T32a 32-pin connector, green
- Y2 Digital clock

- 59 Earth point, near left tail light
- 131 Earth connection 2, in engine compartment wiring harness
- 167 Earth connection 4, in engine compartment wiring harness
- A59 Connection (sender), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness
- * Not for ABS

ws = white
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Light switch, switch and instrument illumination regulator

- E1 Light switch
- E20 Switch and instrument illumination regulator
- E23 Front and rear fog light switch
- J39 Headlight washer system relay
- K4 Side light warning lamp
- L9 Light switch illumination bulb
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- 85 Earth connection 1, in engine compartment wiring harness
- 131 Earth connection 2, in engine compartment wiring harness
- A3 Positive connection (58), in dash panel wiring harness
- A88 Connection (RFL), in dash panel wiring harness
- B1 Connection (56b), in steering column switch wiring harness
- B144 Positive connection (58l), in interior wiring harness
- * Only models with headlight washer system

ws = white
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Left tail light, left brake light, rear fog light, heated rear window

- J... Injection system control units
- L20 Rear fog light bulb
- M4 Left tail light bulb
- M6 Rear left turn signal bulb
- M9 Left brake light bulb
- M25 High level brake light bulb
- T1a 1-pin connector, black, in rear lid
- T5b 5-pin connector, black, on left rear light
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5f 5-pin connector, black, in rear lid
- T10 10-pin connector, white, near relay station
- T10b 10-pin connector, black, near relay station
- Z1 Heated rear window

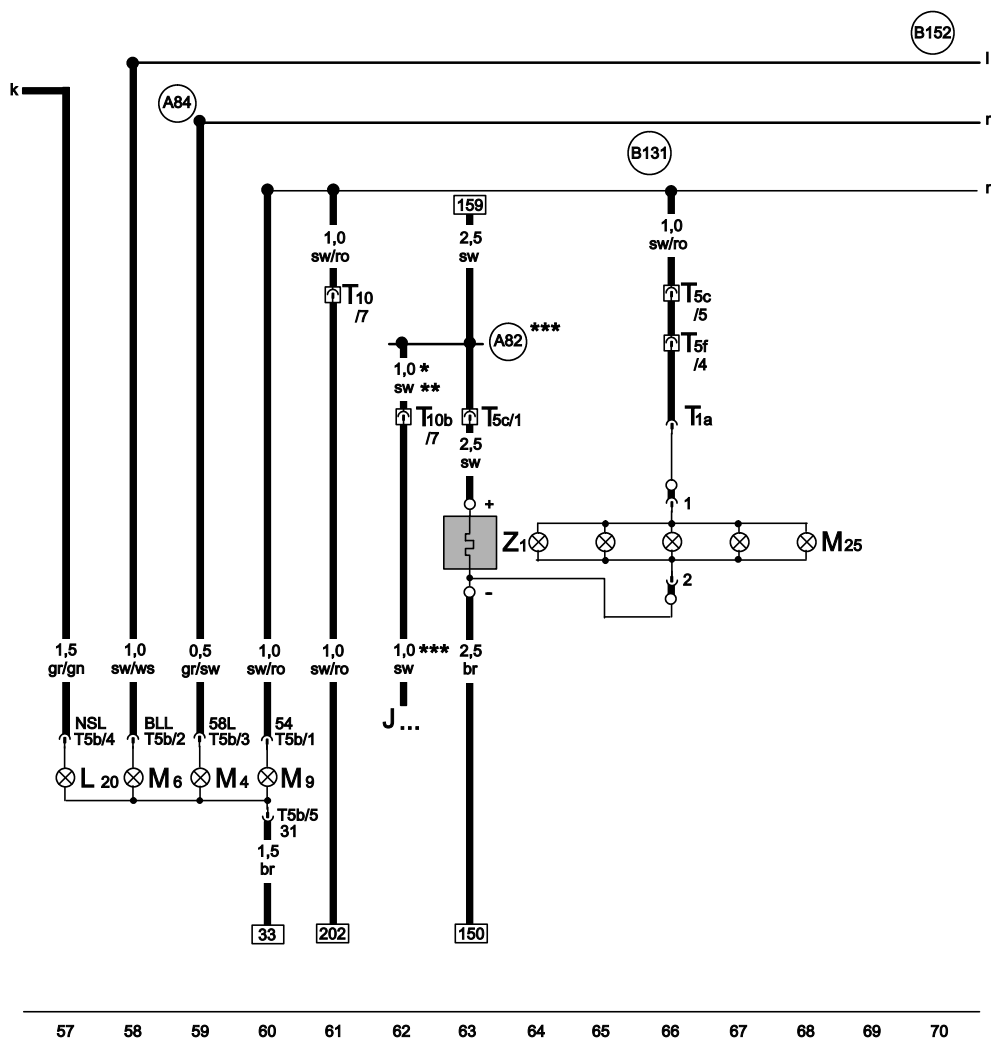
A82 Connection (windscreen heater), in dash panel wiring harness

A84 Connection (58L), in dash panel wiring harness

B131 Connection (54), in interior wiring harness

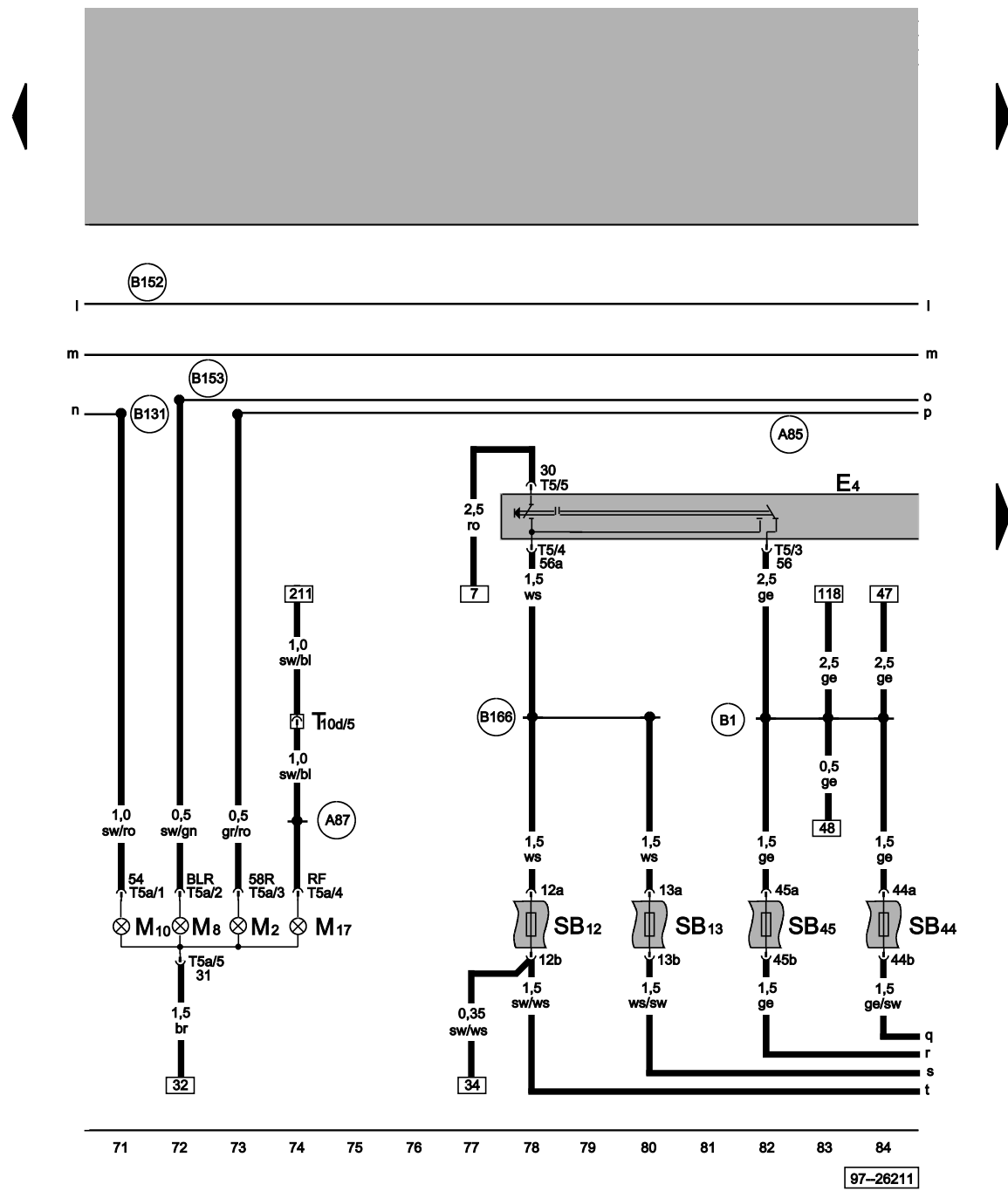
B152 Connection (BL), in interior wiring harness

- * Not with all levels of equipment
- ** Not models with an automatic gearbox
- *** Only models with a petrol engine



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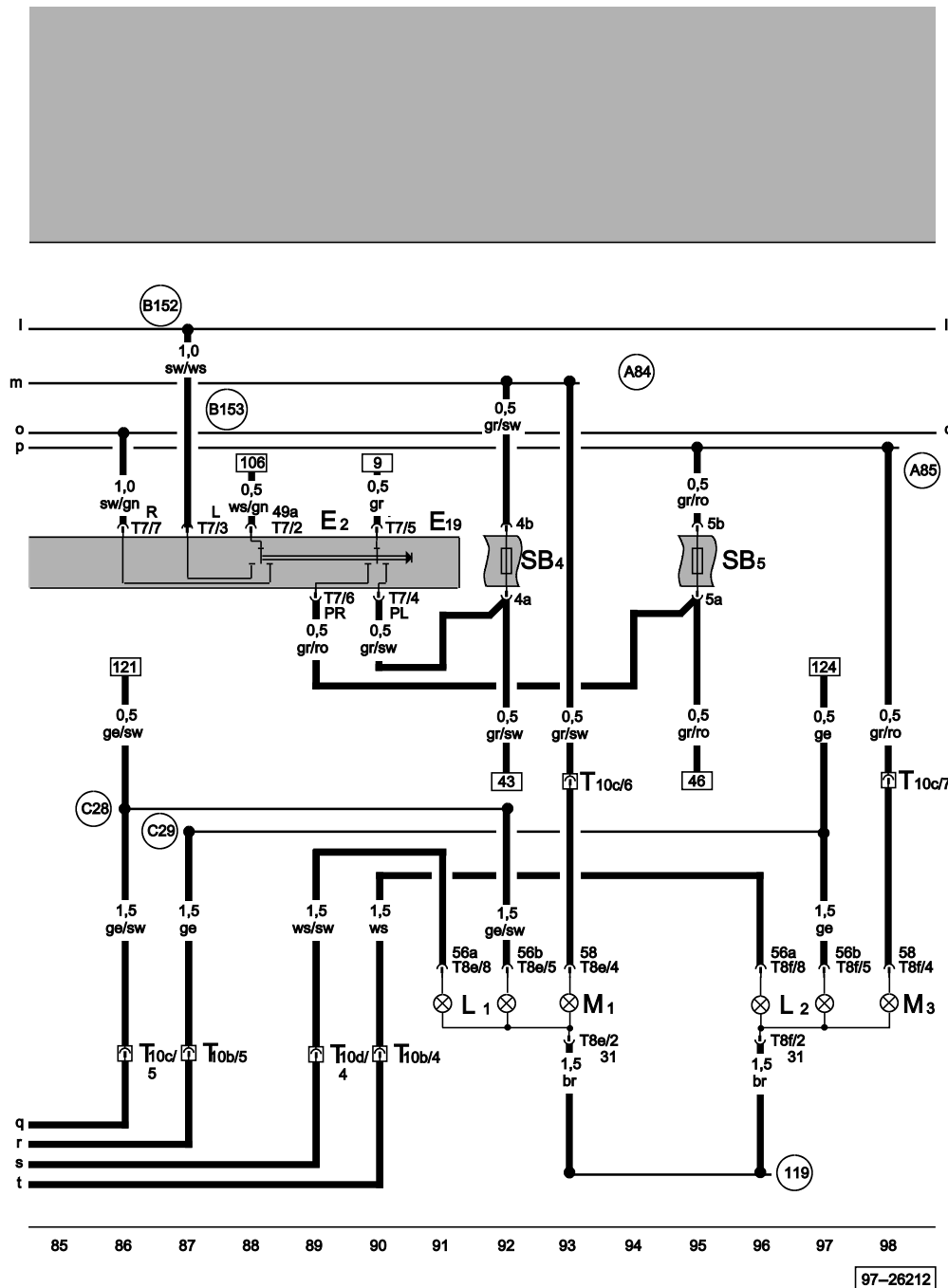


Right tail light, right brake light, reversing light, headlight dipper/flasher switch

- E4 Headlight dipper and flasher switch
- M2 Right tail light bulb
- M8 Rear right turn signal bulb
- M10 Right brake light bulb
- M17 Right reversing light bulb
- SB12 Fuse 12 in fuse holder
- SB13 Fuse 13 in fuse holder
- SB44 Fuse 44 on fuse holder
- SB45 Fuse 45 on fuse holder
- T5 5-pin connector, black, behind steering column switch trim
- T5a 5-pin connector, black, on rear right tail light
- T10d 10-pin connector, red, near relay station

- A85 Connection (58R), in dash panel wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- B1 Connection (56b), in steering column switch wiring harness
- B131 Connection (54), in interior wiring harness
- B152 Connection (BL), in interior wiring harness
- B153 Connection (RTS), in interior wiring harness
- B166 Connection (56a), in interior wiring harness

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- rs = pink



Turn signal switch, parked light switch, front bulbs

- E2 Turn signal switch
- E19 Parking light switch
- L1 Left twin filament bulb
- L2 Right twin filament bulb
- M1 Left side light bulb
- M3 Right side light bulb
- SB4 Fuse 4 in fuse holder
- SB5 Fuse 5 in fuse holder
- T7 7-pin connector, black, behind steering column switch trim
- T8e 8-pin connector, black, near left headlight
- T8f 8-pin connector, black, near left headlight
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue
- T10d 10-pin connector, red

119 Earth connection 1, in headlight wiring harness

A84 Connection (58L), in dash panel wiring harness

A85 Connection (58R), in dash panel wiring harness

B152 Connection (BL), in interior wiring harness

B153 Connection (RTS), in interior wiring harness

C28 Connection 1 (56b), in headlight wiring harness

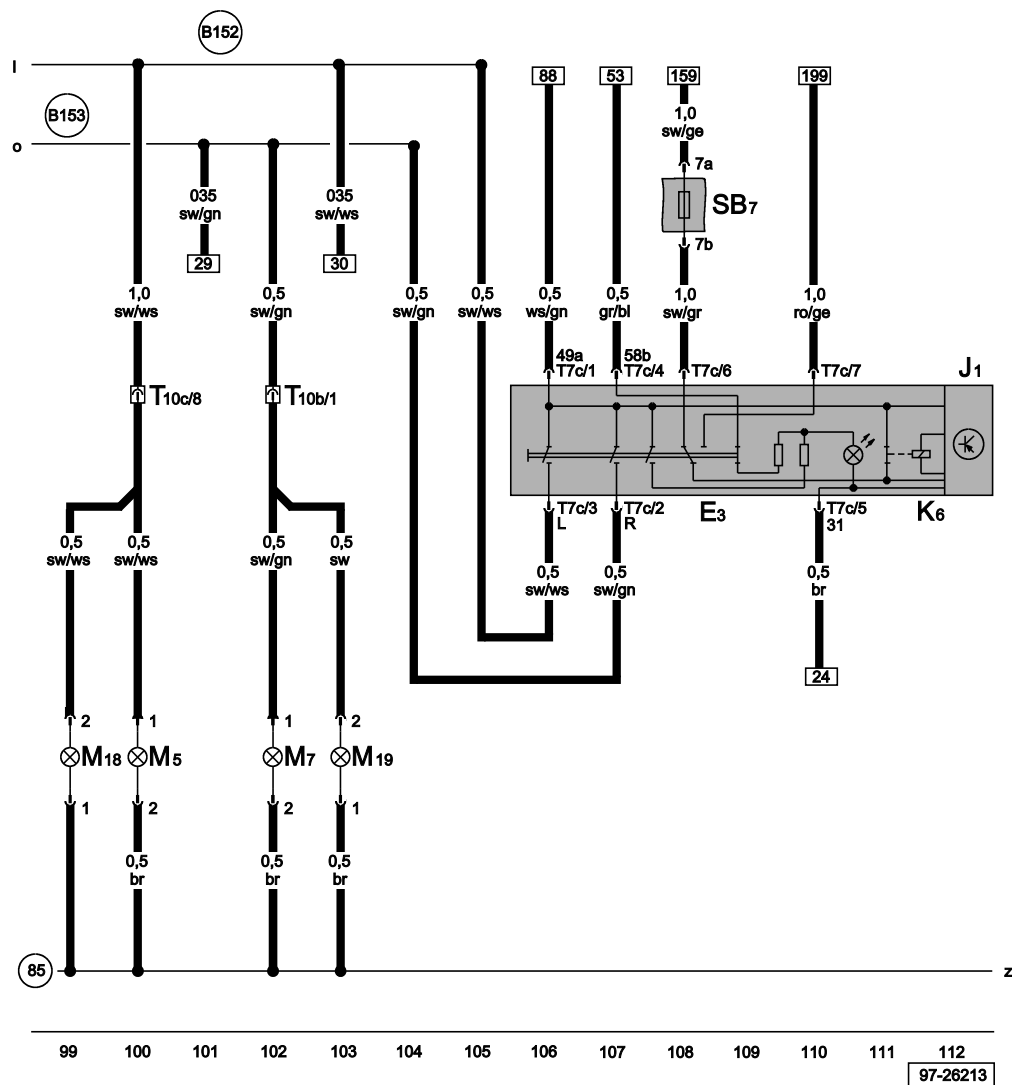
C29 Connection 2 (56b), in headlight wiring harness

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

Hazard warning light switch, turn signal relay, front turn signals

- E3 Hazard warning light switch
- J1 Turn signal relay
- K6 Hazard warning light system warning lamp
- M5 Front left turn signal bulb
- M7 Front right turn signal bulb
- M18 Left side repeater turn signal bulb
- M19 Right side repeater turn signal bulb
- SB7 Fuse 7 on fuse holder
- T7c 7-pin connector
- T10b 10-pin connector, black, coupling station under relay carrier
- T10c 10-pin connector, blue, coupling station under relay carrier

- 85 Earth connection 1, in engine compartment wiring harness
- B152 Connection (BL), in interior wiring harness
- B153 Connection (RTS), in interior wiring harness



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- rs = pink

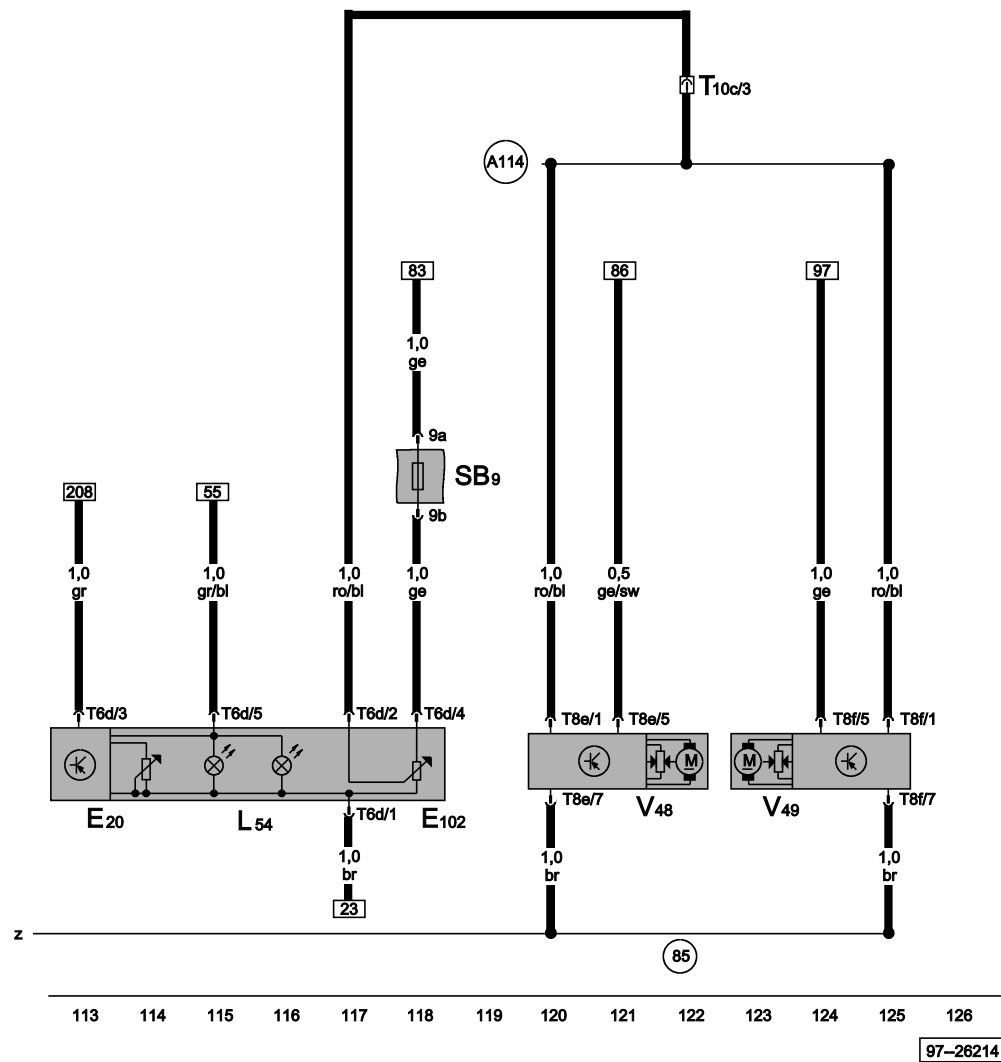
Headlight range control *

- E20 Switch and instrument illumination regulator *
- E102 Headlight range control regulator *
- L54 Headlight range control regulator illumination bulb
- SB9 Fuse 9 on fuse holder
- T6 6-pin connector
- T8e 8-pin connector, black, near left headlight
- T8f 8-pin connector, black, near left headlight
- T10c 10-pin connector, blue, near relay station
- V48 Headlight range control motor *
- V49 Right headlight range control motor *

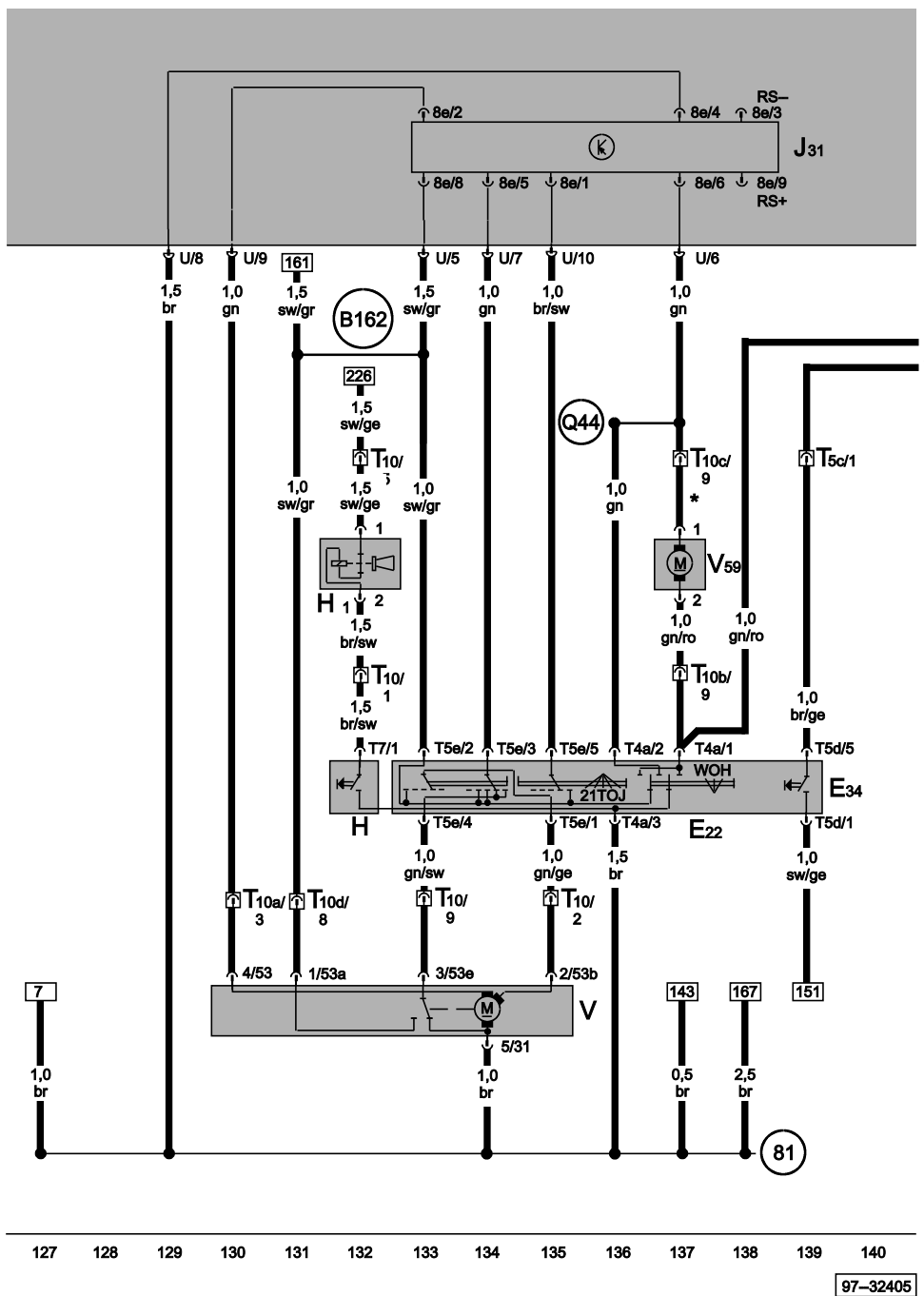
85 Earth connection 1, in engine compartment wiring harness

A114 Connection (headlight range control), in dash panel wiring harness

* Not for gas discharge headlight, see current flow diagram No. 43



ws = white
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Intermittent wiper switch, wiper motor, front and rear washer pump, intermittent wash and wipe relay, horn, dual tone horn

- E22 Intermittent wiper switch
- E34 Rear wiper switch
- H Horn plate
- H1 Horn or dual tone horn
- J31 Automatic intermittent wash and wipe relay
- T4a 4-pin connector, black, behind steering column switch trim
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5e 5-pin connector, black, behind steering column switch trim
- T7 7-pin connector, black, behind steering column switch trim
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red
- V Windscreen wiper motor
- V59 Windscreen and rear window washer pump

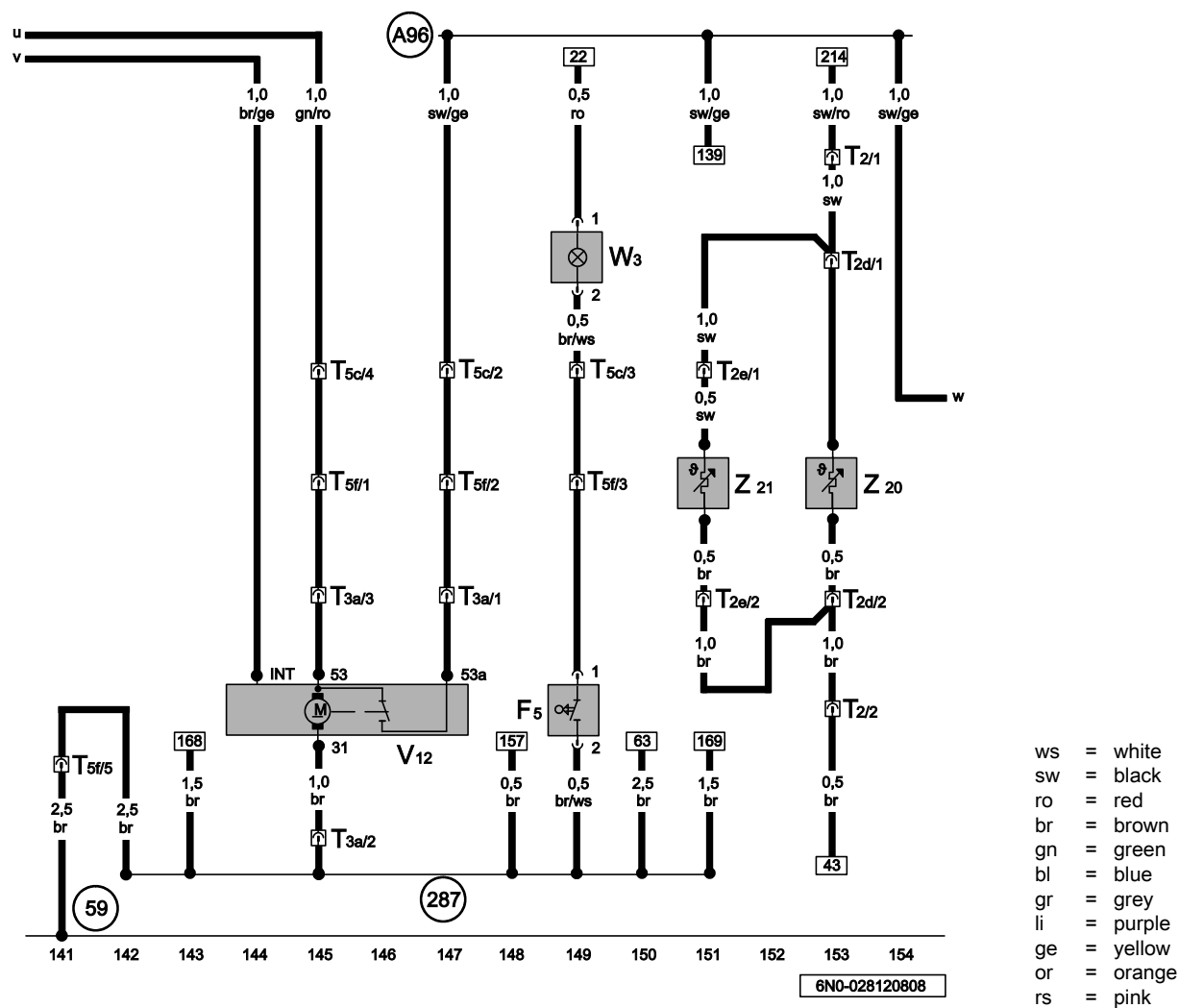
- 81 Earth connection 1, in dash panel wiring harness
- B162 Connection (75a), in interior wiring harness
- Q44 Connection 2, in rear lid wiring harness
- * Not with headlight washer system

ws = white
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 rs = pink

Rear window wiper motor, luggage compartment light, heater element for washer jet, luggage compartment switch

- F5 Luggage compartment light switch
- T1c Single connector, black, in rear wash and wipe system relay
- T2 2-pin connector, black, in left plenum chamber
- T2d 2-pin connector, black, on left on engine compartment lid
- T2e 2-pin connector, black, on right on engine compartment lid
- T3a 3-pin connector, black, in rear lid near wiper motor
- T5c 5-pin connector, black, in rear lid feeder wiring harness
- T5f 5-pin connector, black, in rear lid
- V12 Rear window wiper motor
- W3 Luggage compartment light
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- 59 Earth point, near left tail light
- 287 Earth connection, in rear lid feeder wiring harness
- A96 Connection (53a), in dash panel wiring harness

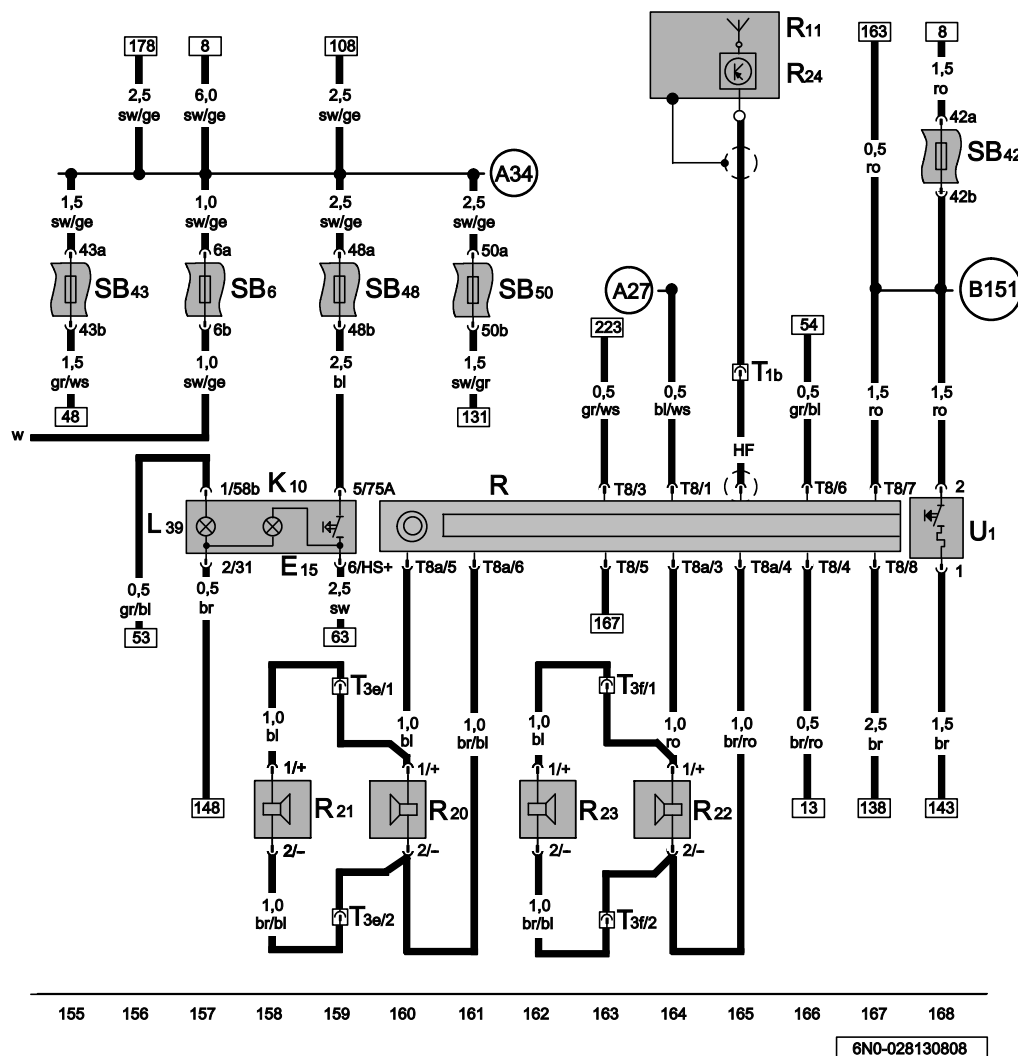


Radio, heated rear window switch, cigarette lighter, aerial, loudspeaker, aerial amplifier, fuses

- E15 Heated rear window switch
- K10 Heated rear window warning lamp
- L39 Heated rear window switch illumination bulb
- R Radio
- R11 Aerial
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- R24 Aerial amplifier
- SB6 Fuse 6 on fuse holder
- SB42 Fuse 42 on fuse holder
- SB43 Fuse 43 on fuse holder
- SB48 Fuse 48 on fuse holder
- SB50 Fuse 50 on fuse holder
- T1b Single connector, black, on lower part of right A-pillar
- T3e 3-pin connector, black, on lower part of left A-pillar
- T3f 3-pin connector, black, on lower part of right A-pillar
- T8 8-connector, black, on radio
- T8a 8-connector, brown, on radio
- U1 Cigarette lighter

- A27 Connection (speed signal), in dash panel wiring harness
- A34 Connection (75x), in dash panel wiring harness
- B151 Positive connection 3 (30a), in interior wiring harness

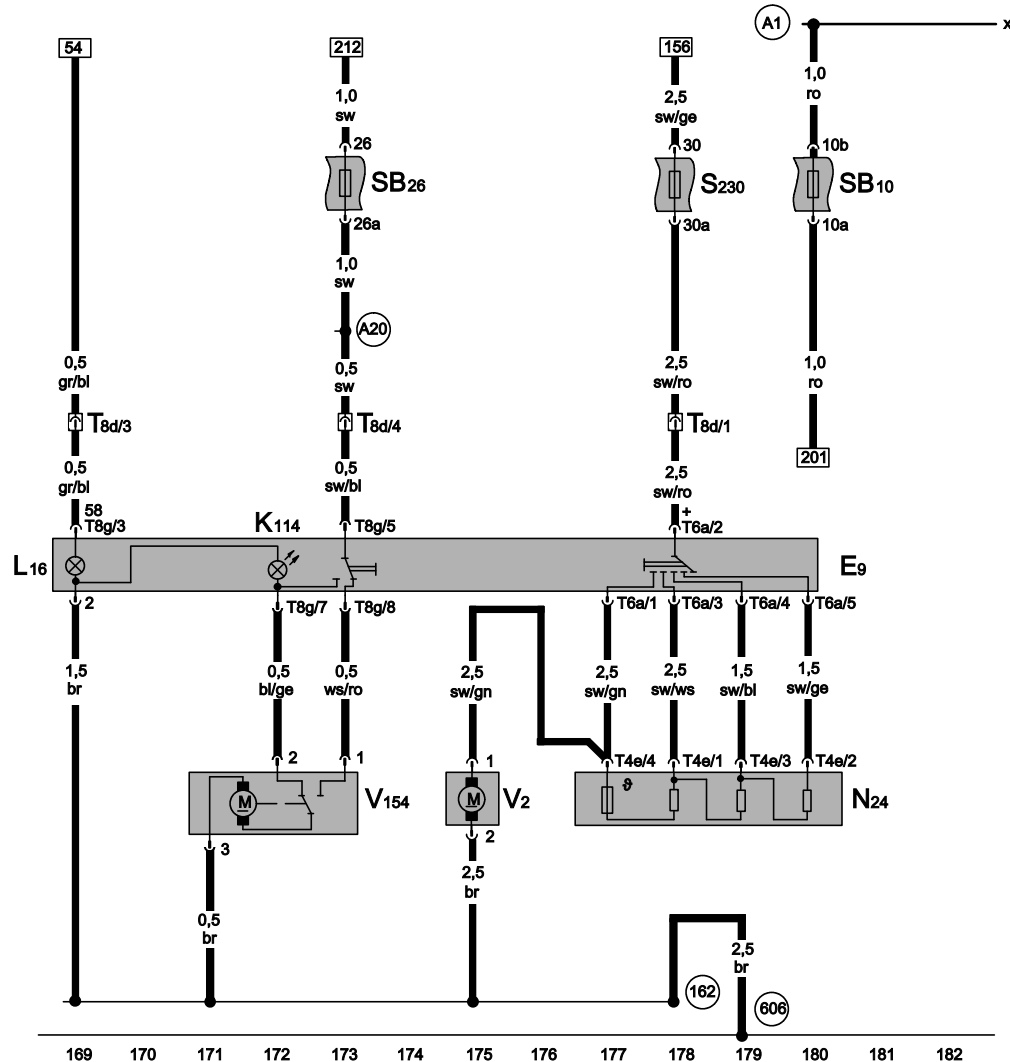
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Fresh air blower, fresh air blower switch, fresh air/recirculated air flap positioning motor

- E9 Fresh air blower switch
- L16 Fresh air regulator illumination bulb
- K114 Fresh air and air recirculation warning lamp
- N24 Fresh air blower series resistor with overheating fuse
- SB10 Fuse 10 on fuse holder
- SB26 Fuse 10 on fuse holder
- S230 Fuse on fuse holder
- T4e 4-pin connector, black, on fresh air blower series resistor
- T6a 6-pin connector, black
- T8d 8-pin connector, black, behind dash panel
- T8g 8-pin connector
- V2 Fresh air blower
- V154 Fresh air and air recirculation flap control motor

- 162 Earth connection, in blower motor wiring harness
- 606 Earth point, under centre console near gear stick
- A1 Positive connection (30a), in dash panel wiring harness
- A20 Positive connection (15a), in dash panel wiring harness



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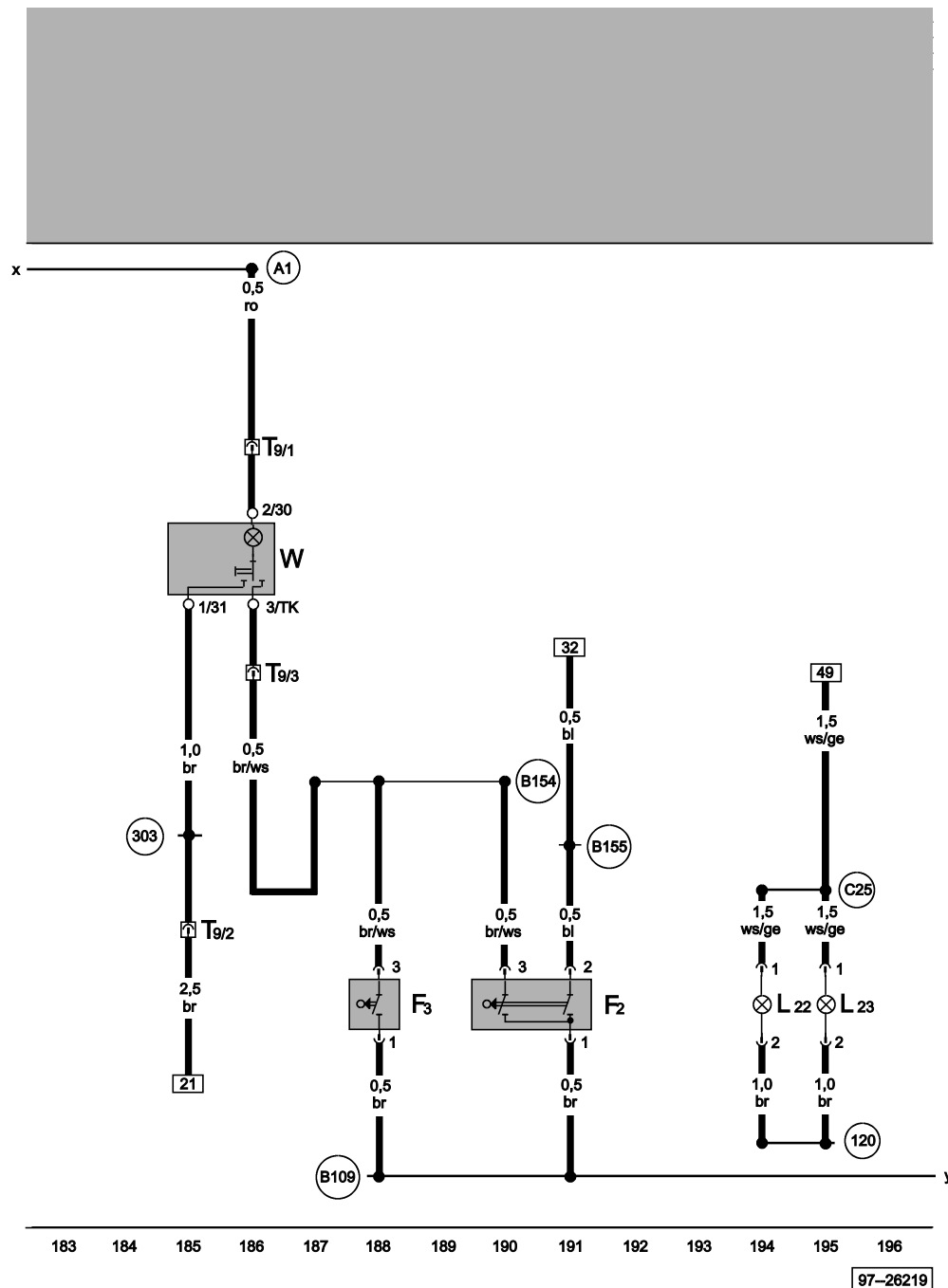
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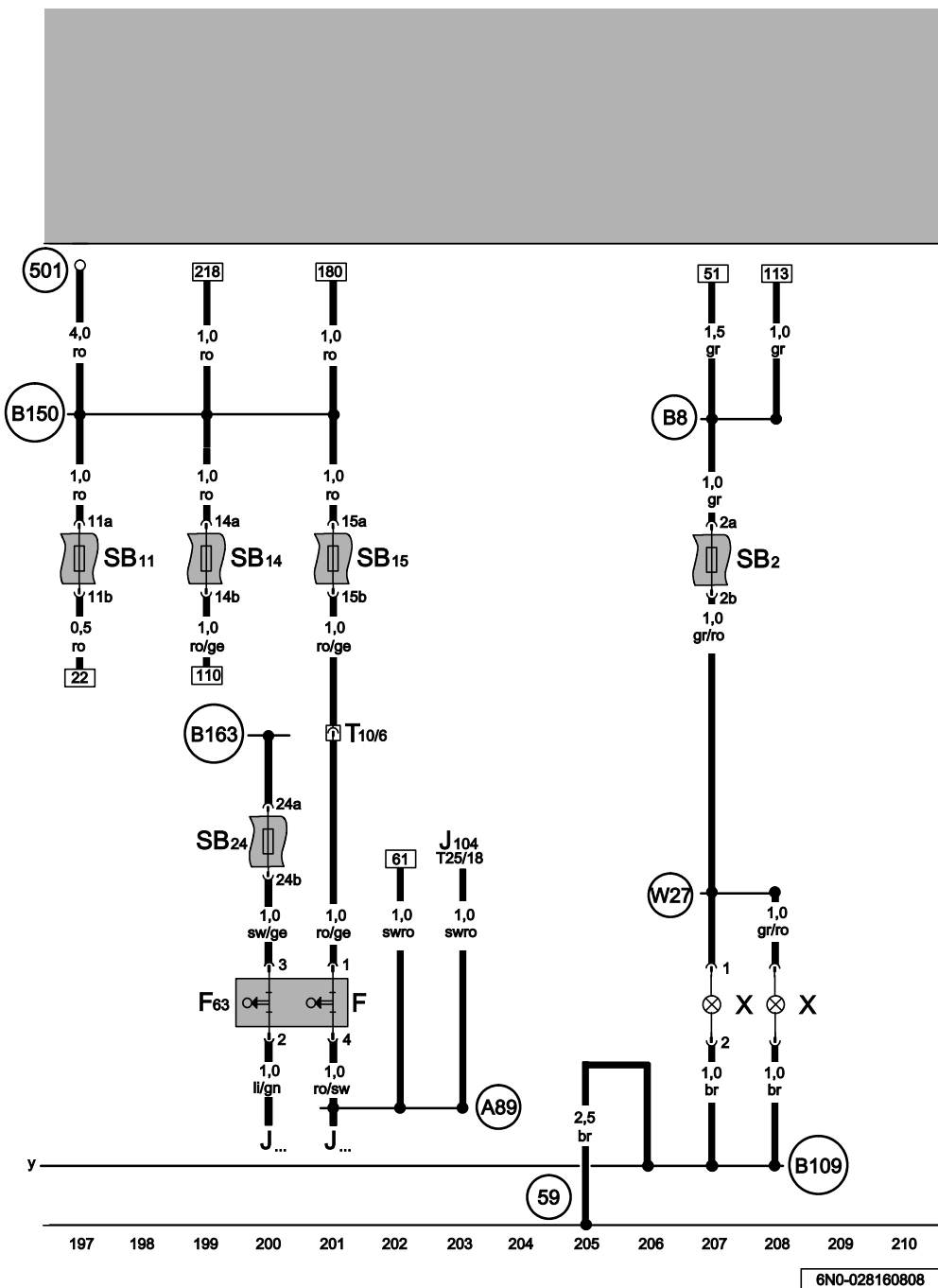
Interior light, door contact switch, fog light

- F2 Driver door contact switch
- F3 Front passenger door contact switch
- L22 Left fog light bulb
- L23 Right fog light bulb
- T9 9-pin connector, in interior light wiring harness
- W Front interior light

- 120 Earth connection 2, in headlight wiring harness
- 303 Earth connection rain sensor/mirror, in interior wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B154 Connection 1 (DCt), in interior wiring harness
- B155 Connection 2 (DCt), in interior wiring harness
- C25 Connection (fog light), in front lighting wiring harness

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 bl = blue
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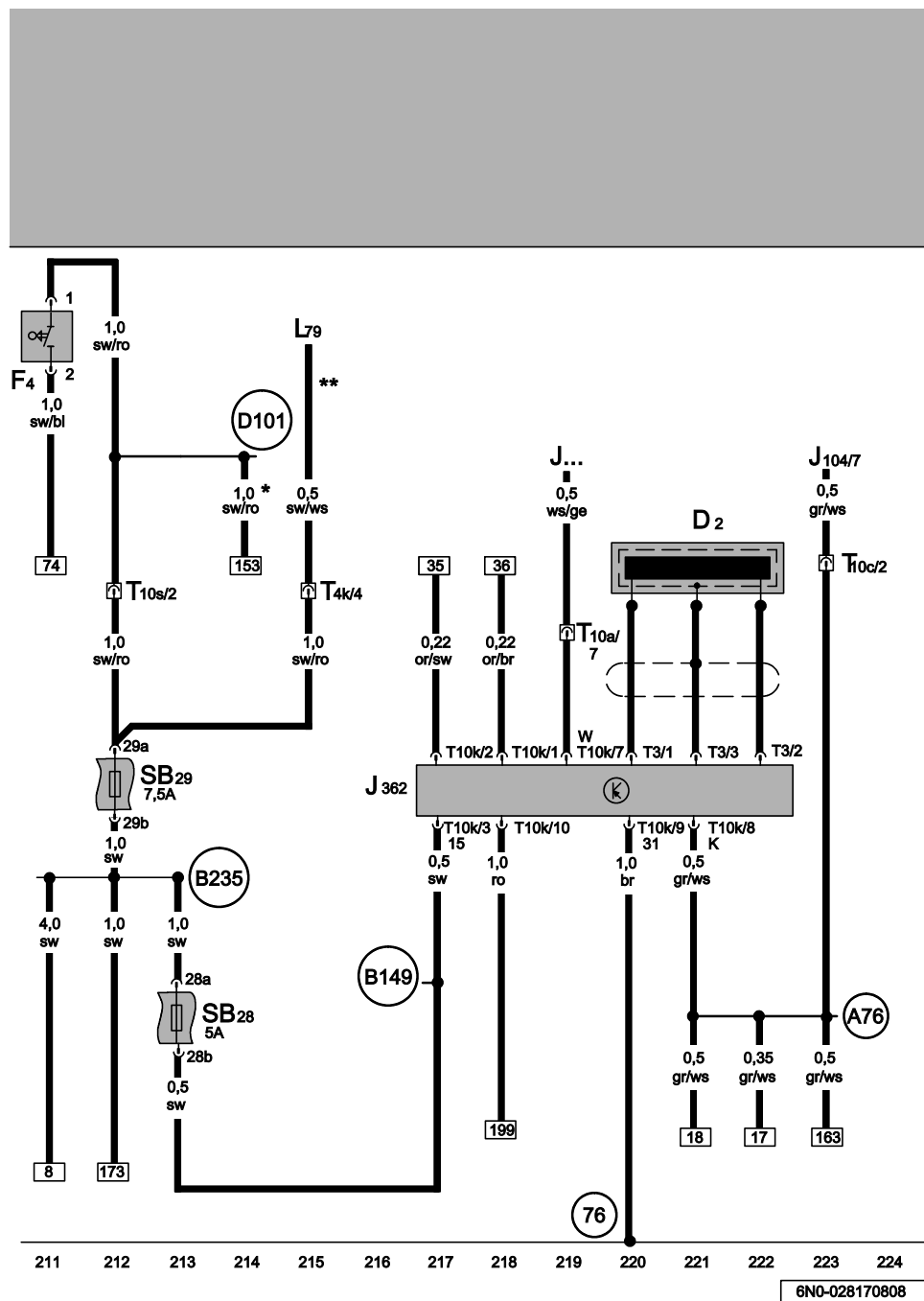


Brake light switch, number plate light

- F Brake light switch
- F63 Brake pedal switch
- J... Engine control units
- J104 ABS control unit
- SB2 Fuse 2 in relay plate fuse holder
- SB11 Fuse 11 in relay plate fuse holder
- SB14 Fuse 14 in relay plate fuse holder
- SB15 Fuse 15 in relay plate fuse holder
- SB24 Fuse 24 in relay plate fuse holder
- T10 10-pin connector, white, near relay station
- T25 25-pin connector
- X Number plate light

- 59 Earth point, near left tail light
- 501 Screw connection 2 (30), on relay plate
- A89 Connection 2 (54) in dash panel wiring harness
- B8 Positive connection (58), in light switch wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- B163 Positive connection 1 (15), in interior wiring harness
- W27 Positive connection (58), in tail lights wiring harness

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

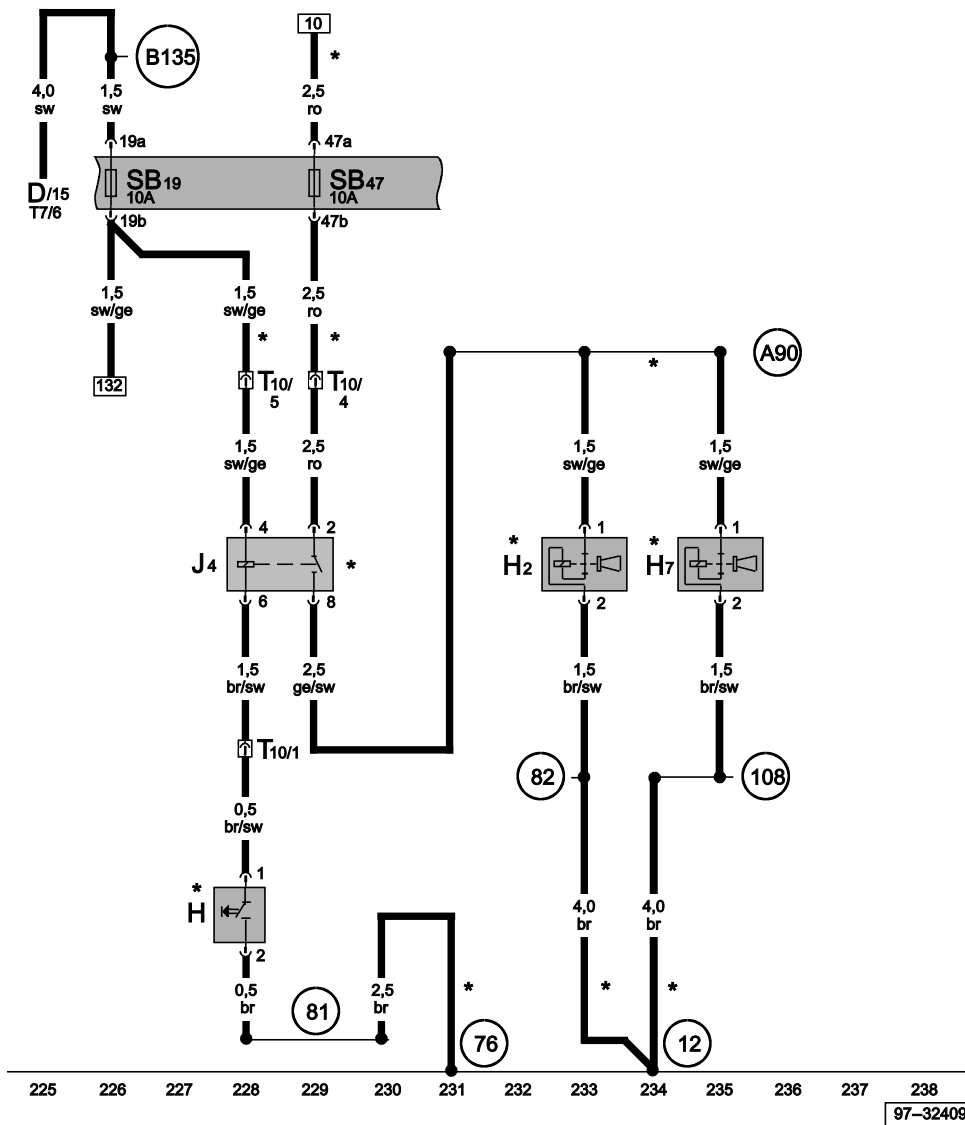


Immobilizer, reversing light switch, immobilizer reader coil, immobiliser control unit, reversing light switch

- D2 Reader coil
- F4 Reversing light switch
- L79 Selector lever illumination
- J... Injection system control units
- J104 ABS control unit, on left in engine compartment
- J362 Immobilizer control unit, next to steering column
- SB28 Fuse 28 in relay plate fuse holder
- SB29 Fuse 29 in relay plate fuse holder
- T3 3-pin connector, black, on immobilizer control unit
- T4k 4-pin connector, black (LHD)
- T10a 10-pin connector, black, near relay station
- T10c 10-pin connector, near relay station
- T10k 10-pin connector, black
- T10s 10-pin connector, near relay station

- 76 Earth point, near selector mechanism
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- B149 Positive connection 2 (15a), in interior wiring harness
- B235 Positive connection 4 (15a), in interior wiring harness
- D101 Connection 1, in engine compartment wiring harness
- * Only models with a petrol engine
- ** Only models with an automatic gearbox

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



Horn plate, dual tone horn, treble tone horn, bass tone horn, dual tone horn relay, fuses

- D Ignition/starter switch
- E22 Intermittent wiper switch
- H Horn plate
- H1 Horn or dual tone horn
- H2 Treble horn
- H7 Bass horn
- J4 Dual tone horn relay
- SB19 Fuse 19 on fuse holder
- SB47 Fuse 47 on fuse holder
- T7 7-pin connector, on windscreen wiper switch
- T10 10-pin connector, white, coupling station under relay carrier
- 12 Earth point, on left in engine compartment
- 76 Earth point, near selector mechanism
- 81 Earth connection 1, in dash panel wiring harness
- 82 Earth connection 1, in front left wiring harness
- 108 Earth connection 2, in front left wiring harness
- A90 Connection (dual tone horn), in dash panel wiring harness
- B135 Connection 1 (15a), in interior wiring harness
- * Only GTI

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

1.0 I/37 kW Motronic, engine codes ALD, AUC

From October 1999

1.4 I/40 kW Motronic, engine codes AKP

1.4 I/44 kW Motronic, engine codes AKK, ANW, AUD

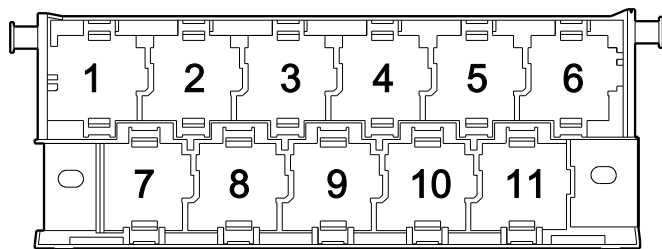
From October 1999

1.0 I/37 kW Motronic, engine codes ALD, from October 1999

1.4 I/44 kW Motronic, engine codes AKK, from October 1999

1.4 I/40 kW Motronic, engine codes AKP, from October 1999

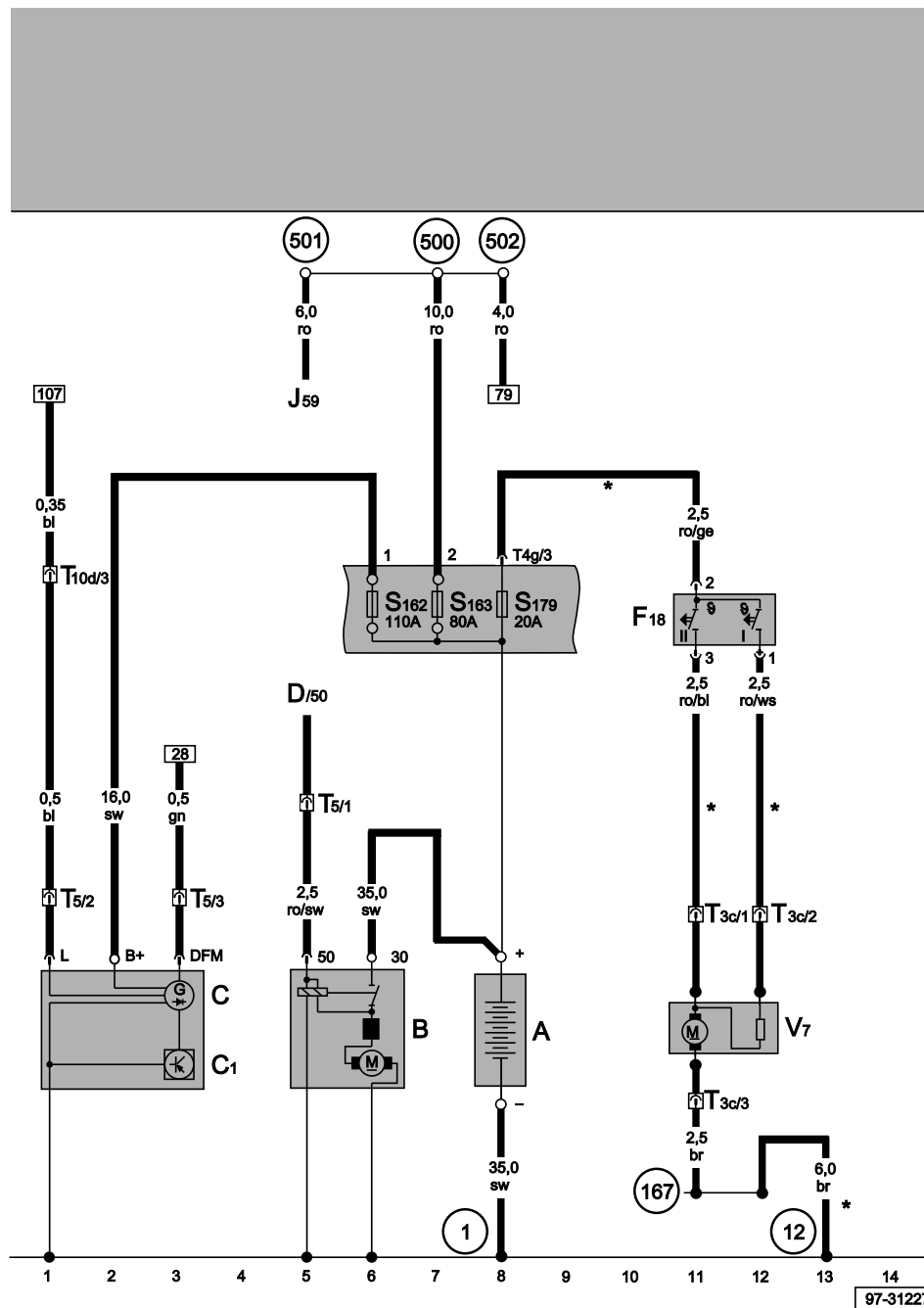
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

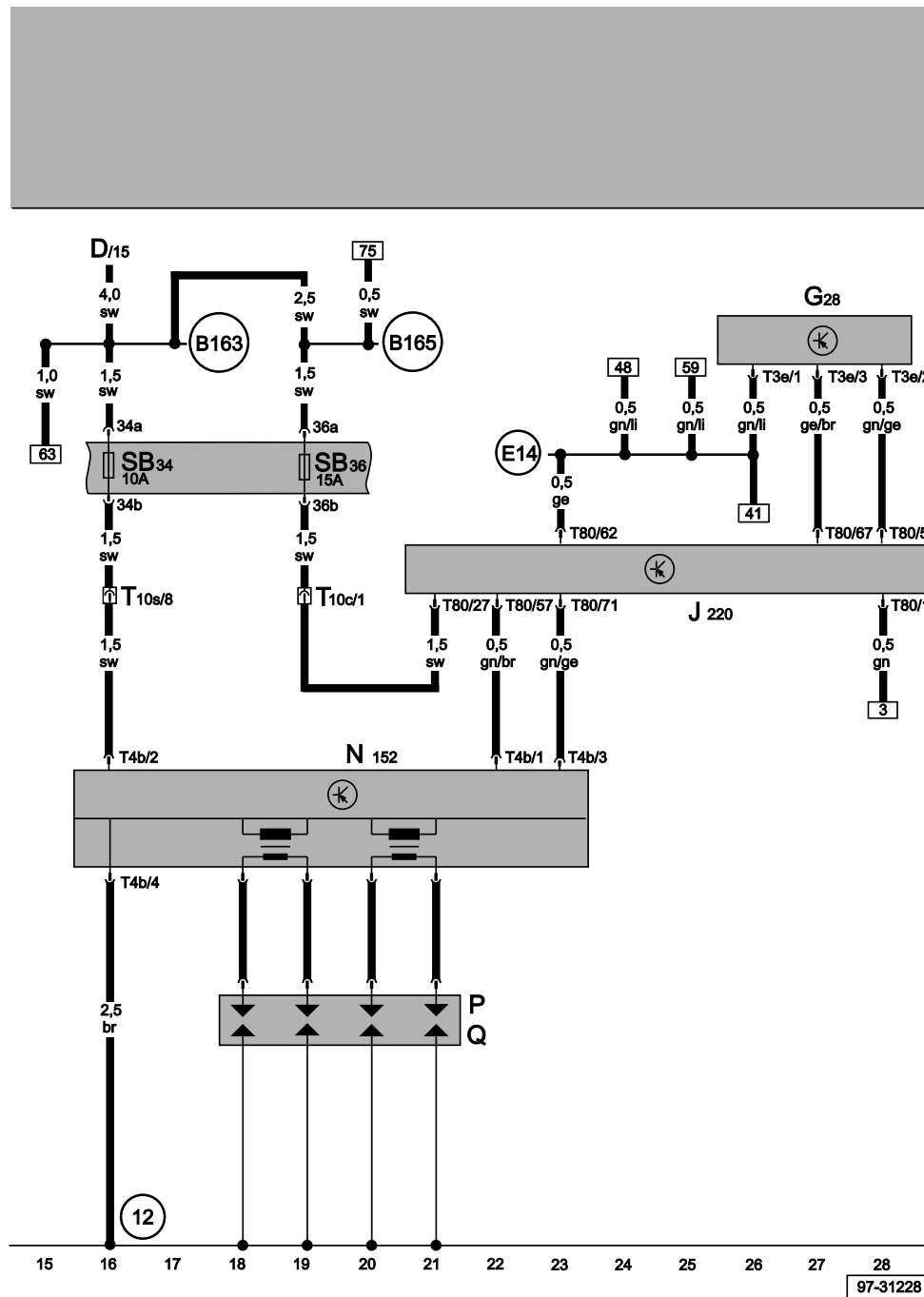
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple



Battery, alternator, voltage regulator, starter, radiator fan thermo-switch, radiator fan

- A Battery
 - B Starter
 - C Alternator
 - C1 Voltage regulator
 - D Ignition/starter switch
 - F18 Radiator fan thermo-switch
 - J59 X contact relief relay
 - S162 Fuse -1- (30), in fuse box/battery
 - S163 Fuse -2- (30), in fuse box/battery
 - S179 Fuse -7- (30), in fuse box/battery
 - T3c 3-pin connector
 - T4g 4-pin connector, black
 - T5 5-pin connector
 - T10d 10-pin connector, red, connector point under relay carrier
 - V7 Radiator fan
- 1 Earth strap, battery - body
 - 12 Earth point, in engine compartment, left
 - 167 Earth connection -4-, in engine compartment wiring harness
 - 500 Screw connection -1- (30), on relay plate
 - 501 Screw connection -2- (30), on relay plate
 - 502 Screw connection -3- (30), on relay plate
 - * Not with models with air conditioner

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



Motronic control unit, engine speed sender, ignition transformer, spark plug connector, spark plugs, fuses

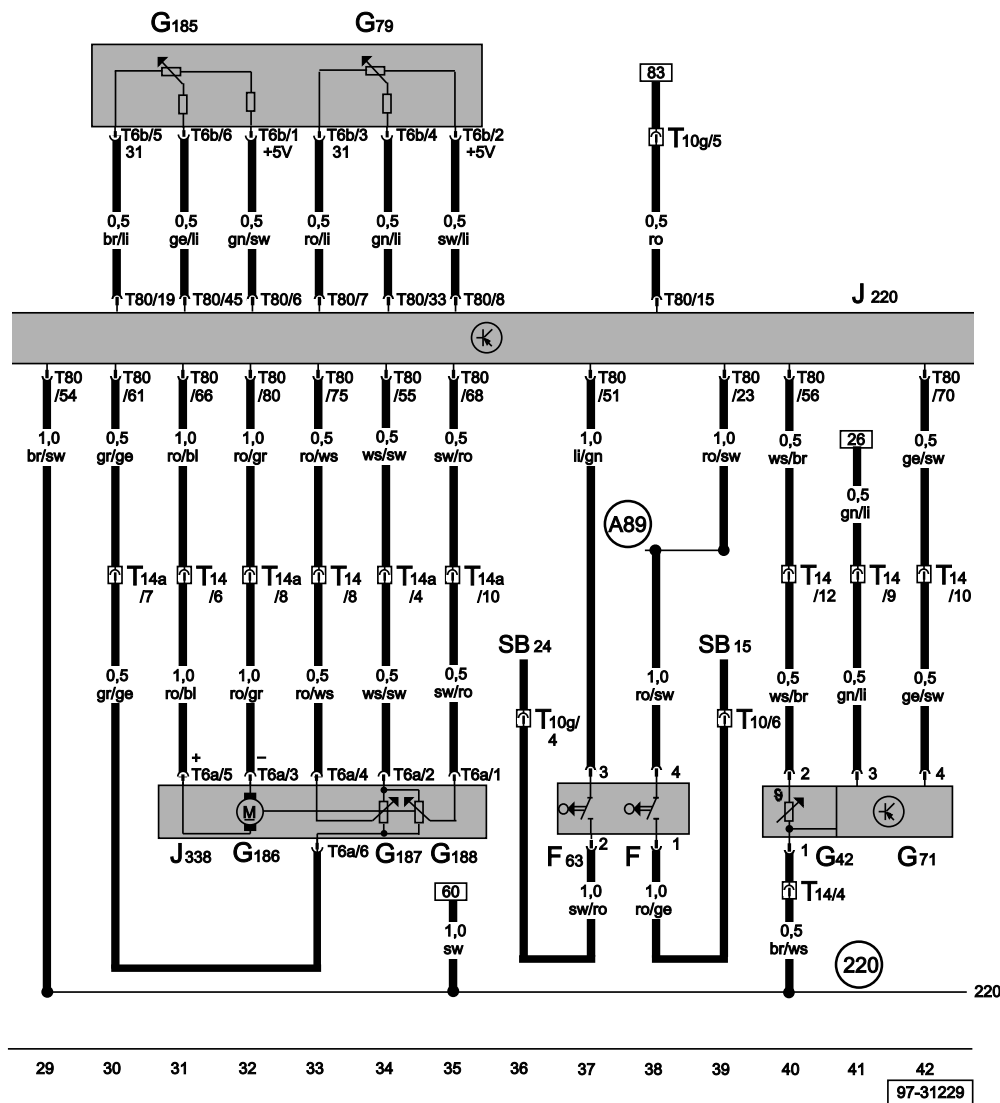
- D Ignition/starter switch
- G28 Engine speed sender
- J220 Motronic control unit
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- SB34 Fuse -34- in fuse box
- SB36 Fuse -36- in fuse box
- T3e 3-pin connector
- T4b 4-pin connector, black
- T10c 10-pin connector, blue, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T80 80-pin connector
- 12 Earth point, in engine compartment, left
- B163 Connection -1- (15), in interior wiring harness
- B165 Connection -2- (15), in interior wiring harness
- E14 Connection -1-, in Motronic wiring harness

Motronic control unit, throttle valve control unit, pedal value sender, intake manifold pressure sender, intake air temperature sender, brake light switch, brake pedal switch

- F Brake light switch
- F63 Brake pedal switch
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender -2-
- G186 Throttle valve drive (electric throttle operation)
- G187 Throttle valve drive angle sender -1- (electric throttle operation)
- G188 Throttle valve drive angle sender -2- (electric throttle operation)
- J220 Motronic control unit
- J338 Throttle valve control unit
- SB15 Fuse -15- in fuse box
- SB24 Fuse -24- in fuse box
- T6a 6-pin connector
- T6b 6-pin connector
- T10 10-pin connector, white, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector

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

A89 Connection -2- (54), in dash panel wiring harness

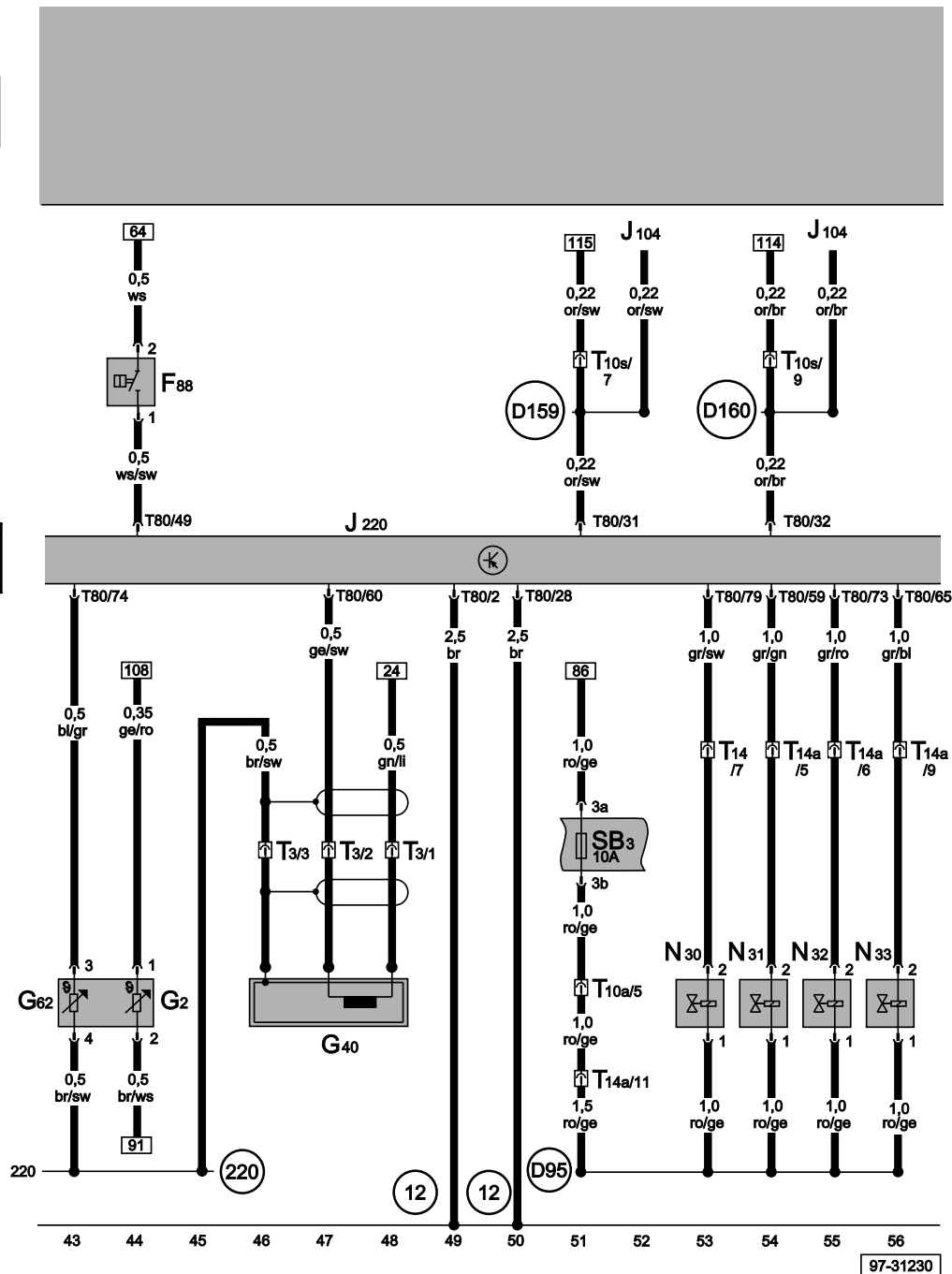


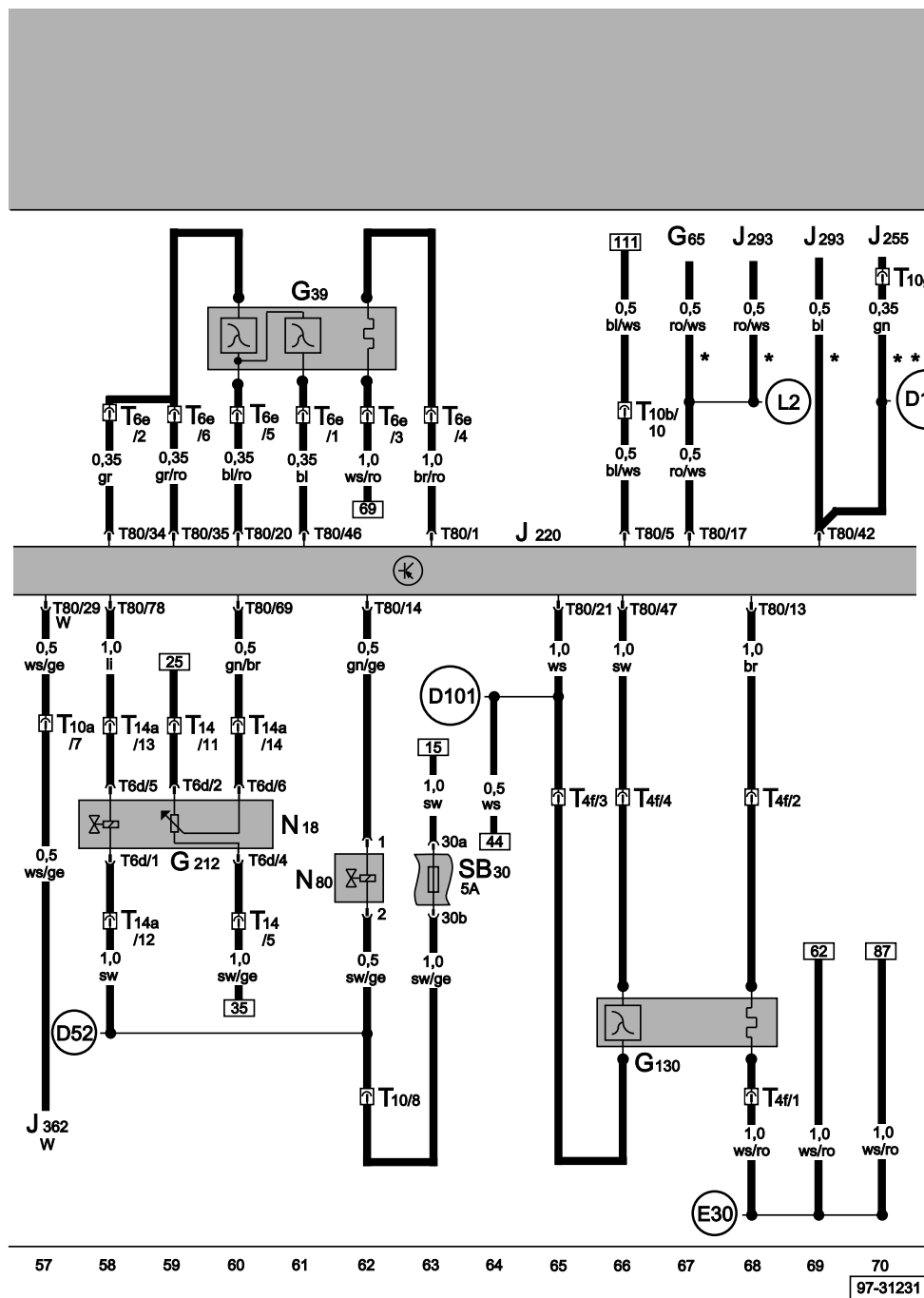
Motronic control unit, hall sender 1, coolant temperature sender, power assisted steering pressure switch, injectors

- F88 Power assisted steering pressure switch
- G2 Coolant temperature sender
- G40 Hall sender I
- G62 Coolant temperature sender
- J104 ABS with EDL control unit
- J220 Motronic control unit
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- SB3 Fuse -3- in fuse box
- T3 3-pin connector
- T10a 10-pin connector, green, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector

- 12 Earth point, in engine compartment, left
- 220 Earth connection (sender earth), in engine wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness

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

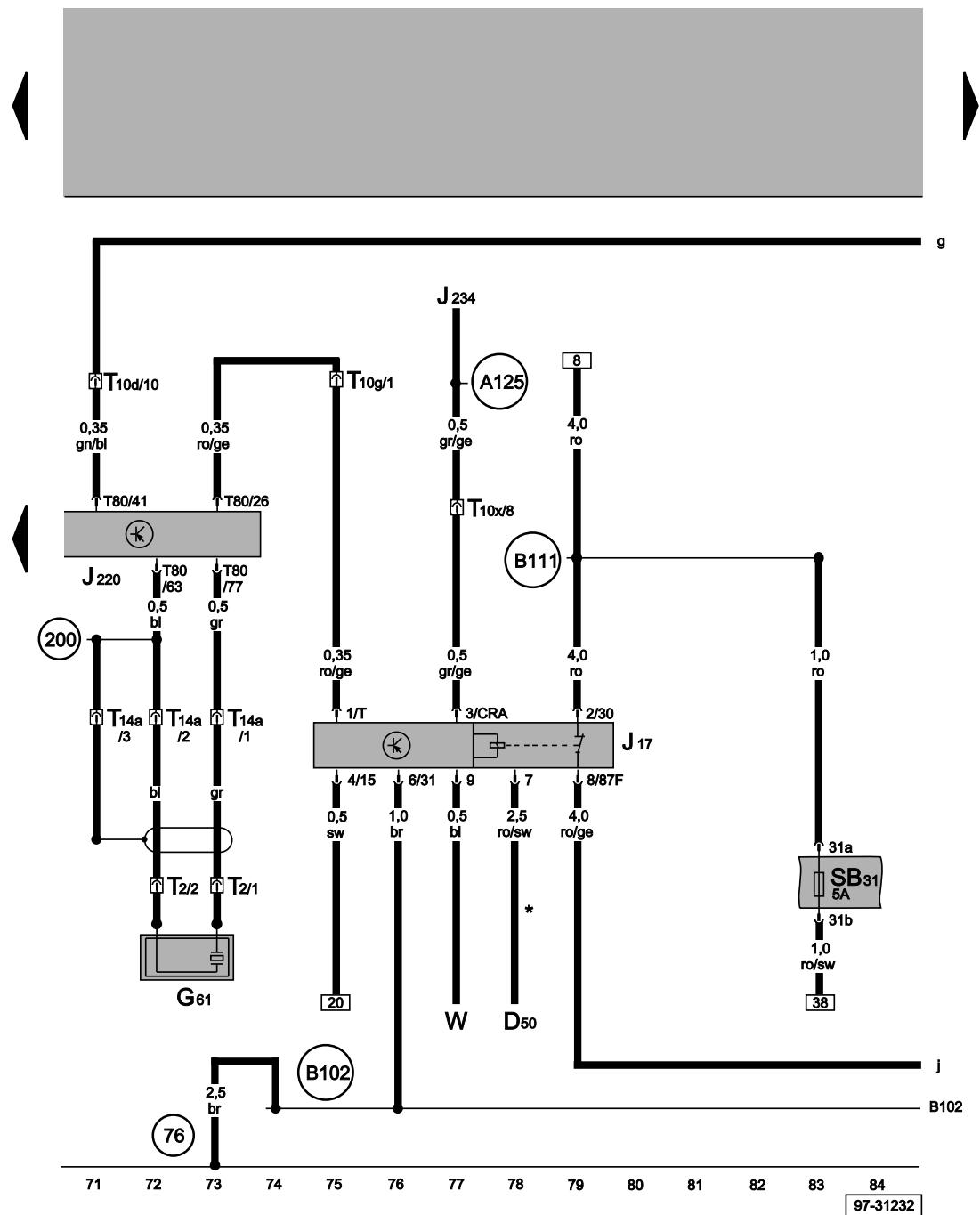




Motronic control unit, lambda probe I, lambda probe II, activated charcoal filter system solenoid valve, exhaust gas recirculation potentiometer, exhaust gas recirculation valve

- G39 Lambda probe before catalyst
- G65 High pressure sender
- G130 Lambda probe after catalyst
- G212 Exhaust gas recirculation potentiometer
- J220 Motronic control unit
- J255 Climatronic control unit
- J293 Radiator fan control unit
- J362 Immobilizer control unit
- N18 Exhaust gas recirculation valve
- N80 Activated charcoal filter system solenoid valve 1
- SB30 Fuse -30- in fuse box
- T4f 4-pin connector, black
- T6d 6-pin connector
- T6e 6-pin connector
- T10 10-pin connector, white
- T10a 10-pin connector, green
- T10b 10-pin connector, black
- T10g 10-pin connector
- T14 14-pin connector, black
- T14a 14-pin connector, brown
- T80 80-pin connector
- D52 Positive (+) connection (15a), in engine compartment wiring harness
- D101 Connection -1-, in engine compartment wiring harness
- D106 Connection -4-, in engine compartment wiring harness
- E30 Connection (87a), in engine wiring harness
- L2 Connection, in air conditioner wiring harness
- * Only models with air conditioner (manual)
- ** Only models with Climatronic

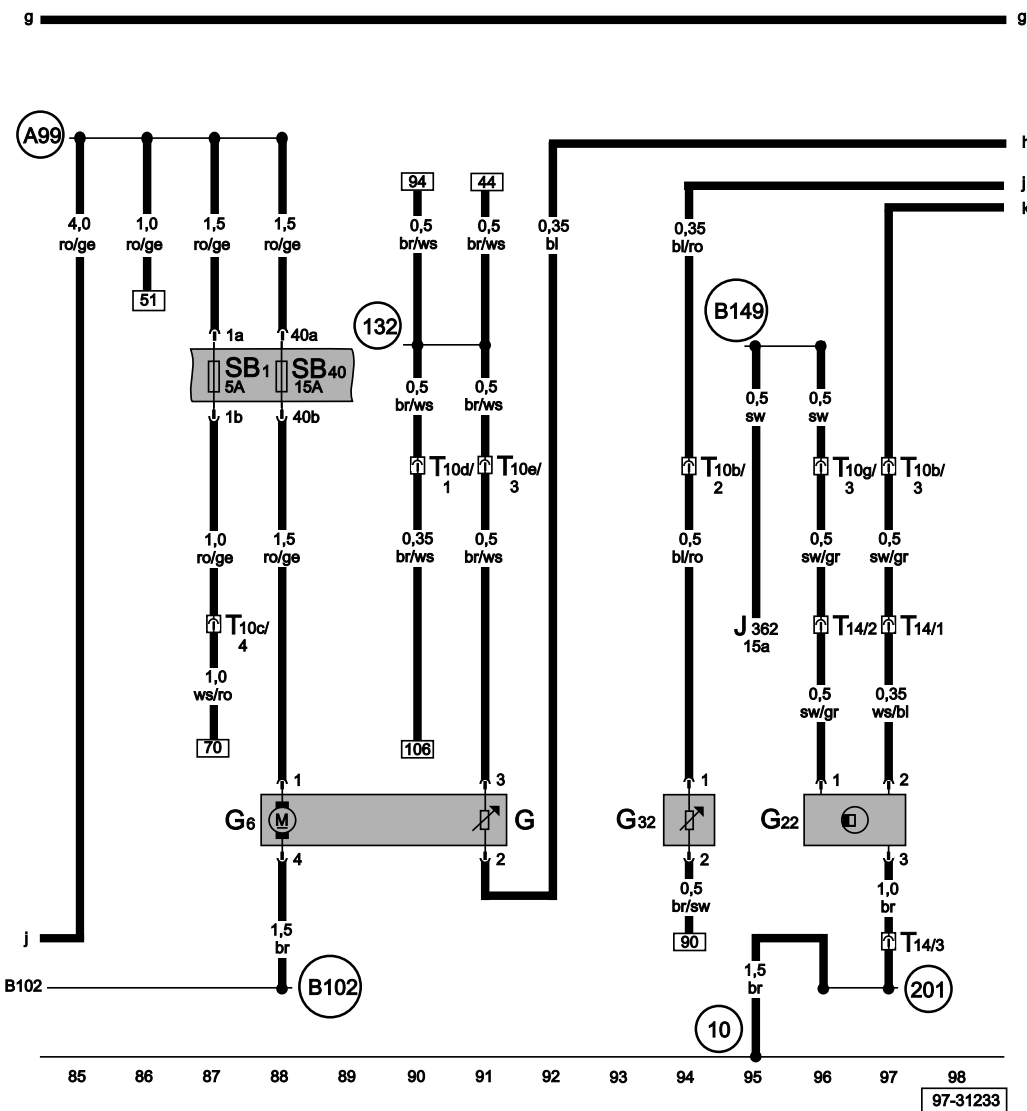
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink



Motronic control unit, knock sensor, fuel pump relay (crash)

- D Ignition/starter switch
- G61 Knock sensor
- J17 Fuel pump relay
- J220 Motronic control unit
- J234 Airbag control unit
- SB31 Fuse -31- in fuse box
- T2 2-pin connector, black
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, connector point under relay carrier
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector
- W Interior light, front
- 76 Earth point, near selector mechanism
- 200 Earth connection (screening), in engine compartment wiring harness
- A125 Connection (crash signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B111 Positive (+) connection -1- (30a), in interior wiring harness
- * Not with models with automatic gearbox

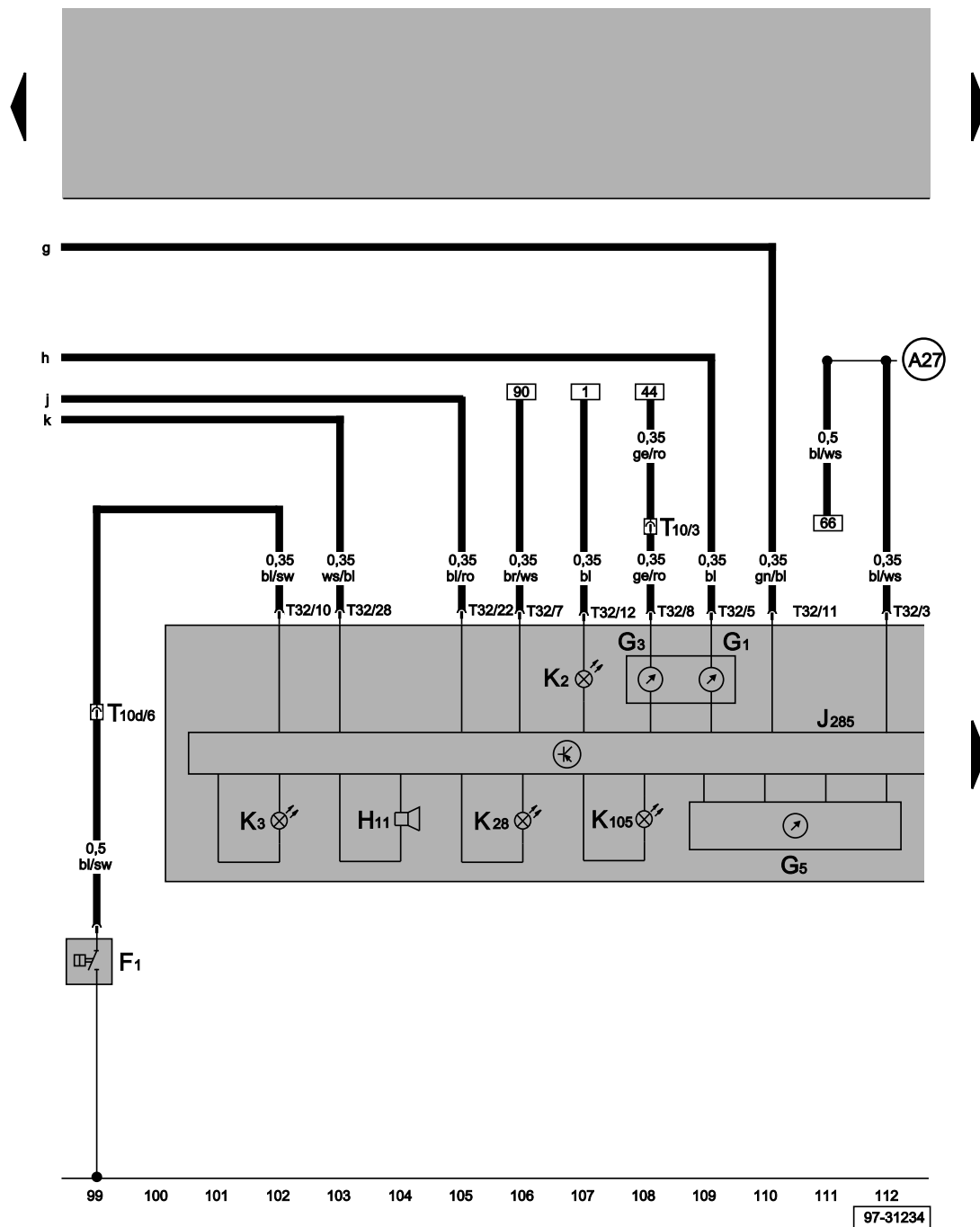
Fuel pump, speedometer sender, fuel gauge sender, coolant shortage indicator sender



- G Fuel gauge sender
- G6 Fuel pump
- G22 Speedometer sender (hall sender, on gearbox)
- G32 Coolant shortage indicator sender
- J362 Immobilizer control unit
- SB1 Fuse -1- in fuse box
- SB40 Fuse -40- in fuse box
- T10b 10-pin connector, black, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10e 10-pin connector, light pink, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left

- 10 Earth point, in plenum chamber
- 132 Earth connection -3-, in engine compartment wiring harness
- 201 Earth connection -5-, in engine compartment wiring harness
- A99 Connection -1- (87), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B149 Positive (+) connection -2- (15a), in interior wiring harness

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



Dash panel insert, oil pressure warning, coolant temperature gauge, fuel gauge, rev. counter, warning lamps

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K105 Reserve fuel warning lamp
- T10 10-pin connector, white, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T32 32-pin connector, blue

A27 Connection (speed signal), in dash panel wiring harness

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

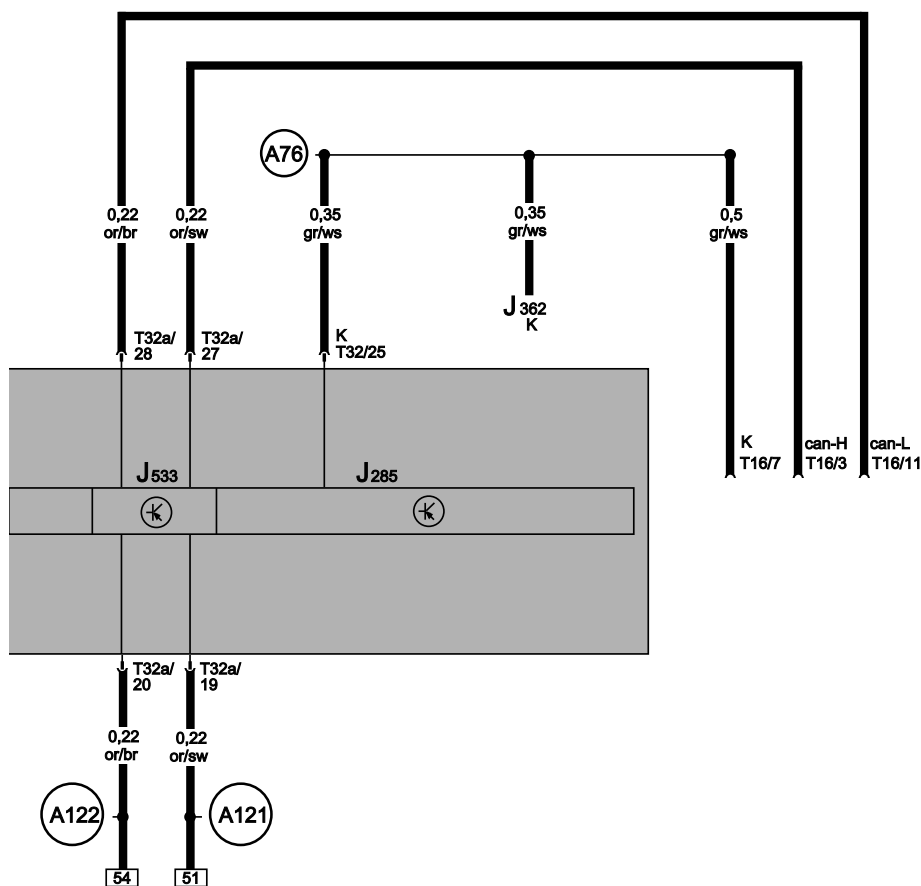
Dash panel insert, self-diagnosis connection, data bus diagnostic interface

- J362 Immobilizer control unit
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, blue
- T32a 32-pin connector, green

A76 Connection (diagnosis wire K), in dash panel wiring harness

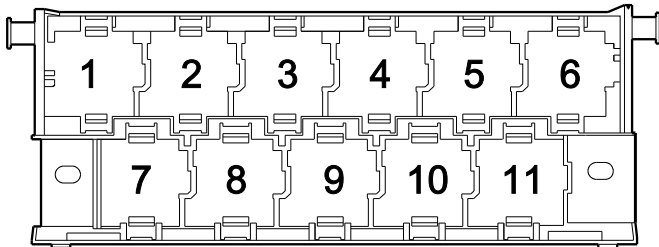
A121 Connection (high bus), in dash panel wiring harness

A122 Connection (low bus), in dash panel wiring harness



- ⇒ 1.4 I/55 kW - 4LV, engine codes APE, AUA
 - ⇒ 1.4 I/74 kW - 4LV, engine codes AUB, AQQ
- From October 1999

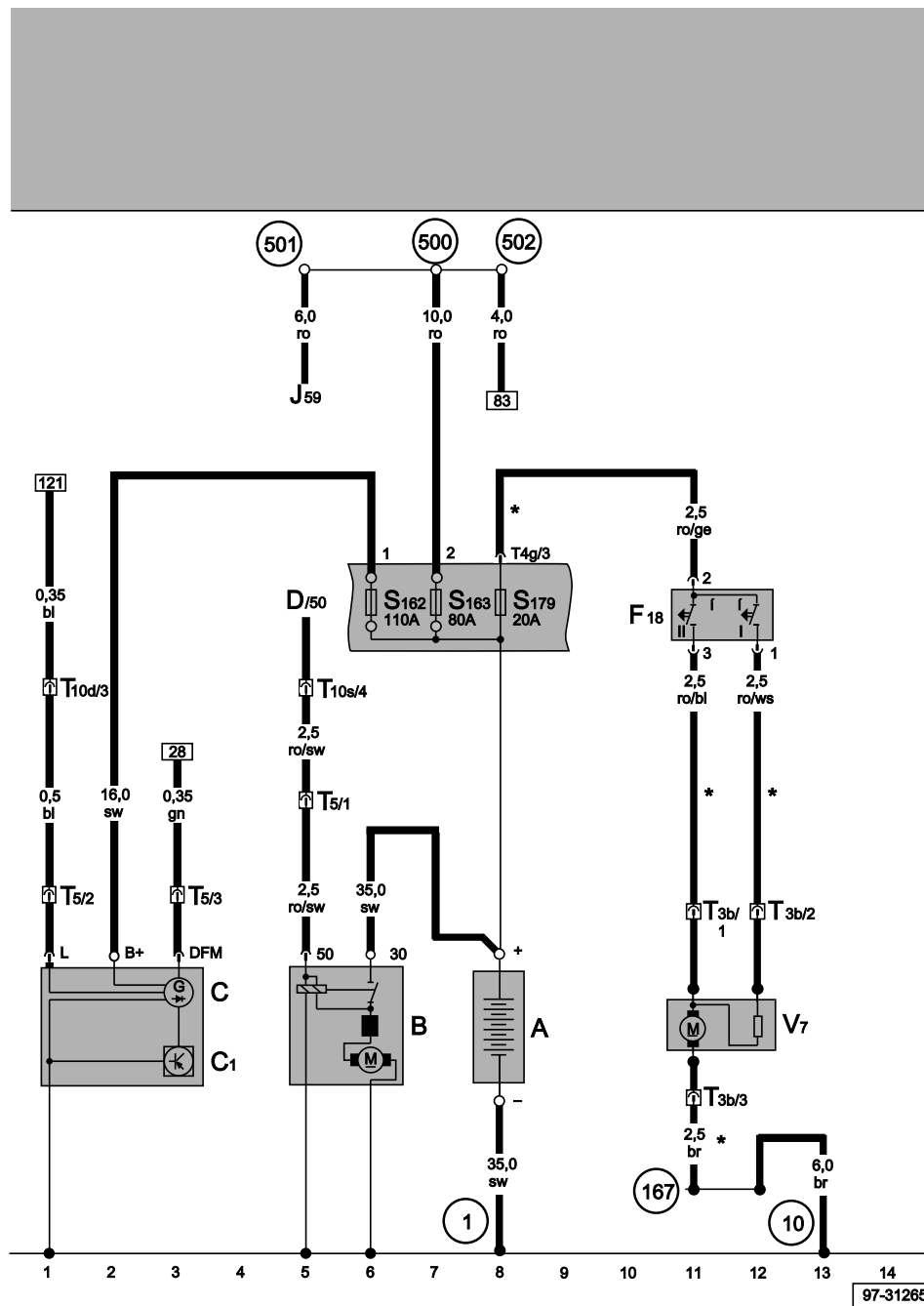
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

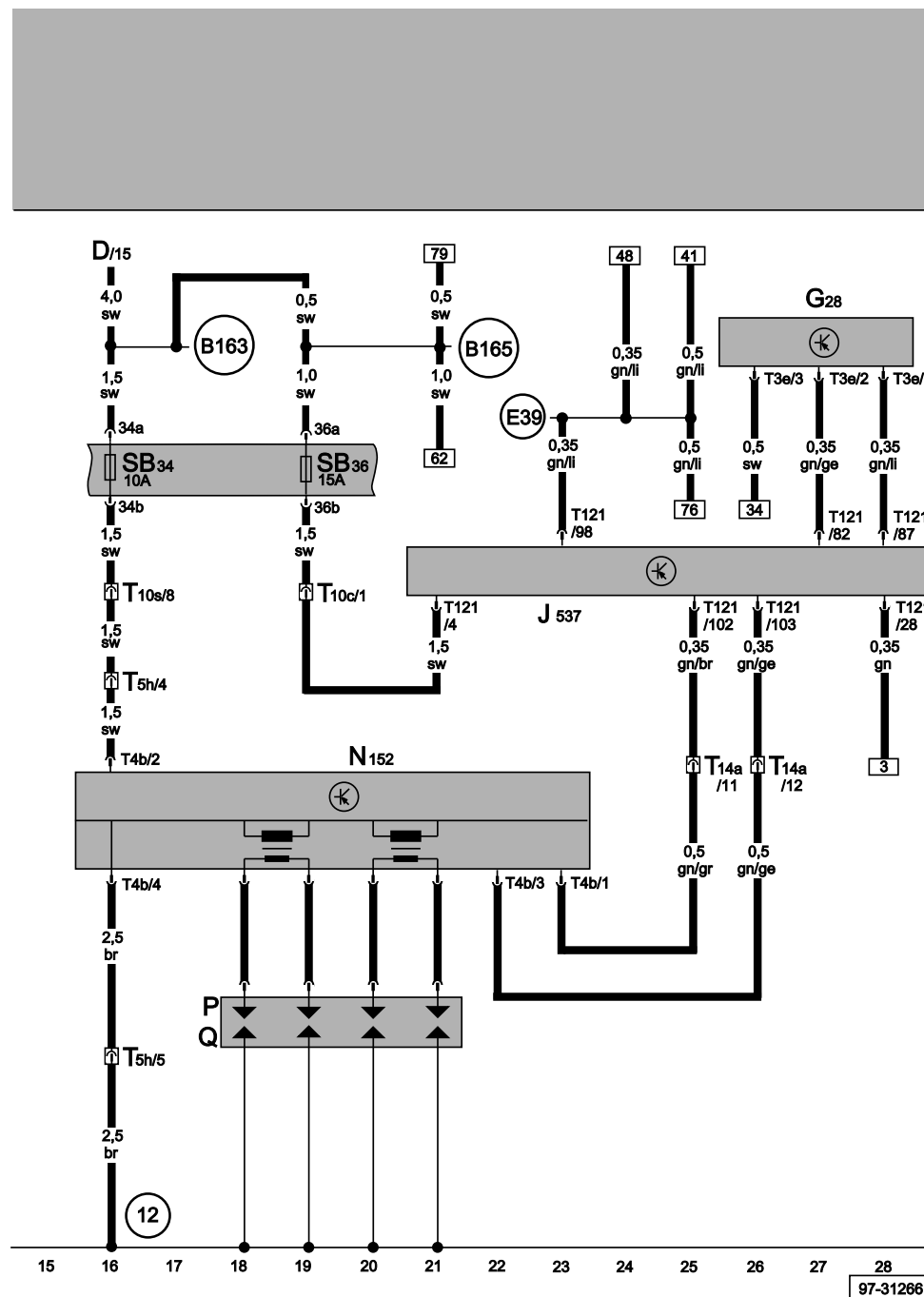


Battery, alternator, voltage regulator, starter, radiator fan thermo-switch, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- J59 X contact relief relay
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S179 Fuse -7- (30), in fuse box/battery
- T3b 3-pin connector
- T4g 4-pin connector, black
- T5 5-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- V7 Radiator fan

- 1 Earth strap, battery - body
- 10 Earth point, in plenum chamber
- 167 Earth connection -4-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- 501 Screw connection -2- (30), on relay plate
- 502 Screw connection -3- (30), on relay plate
- * Not with models with air conditioner

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



4LV control unit (injection system), engine speed sender, spark plug connector, spark plugs

- D Ignition/starter switch
- G28 Engine speed sender
- J537 4LV control unit (injection system)
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- SB34 Fuse -34- in fuse box
- SB36 Fuse -36- in fuse box
- T3e 3-pin connector
- T4b 4-pin connector, black
- T5h 5-pin connector, on cylinder head, left
- T10c 10-pin connector, blue, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector

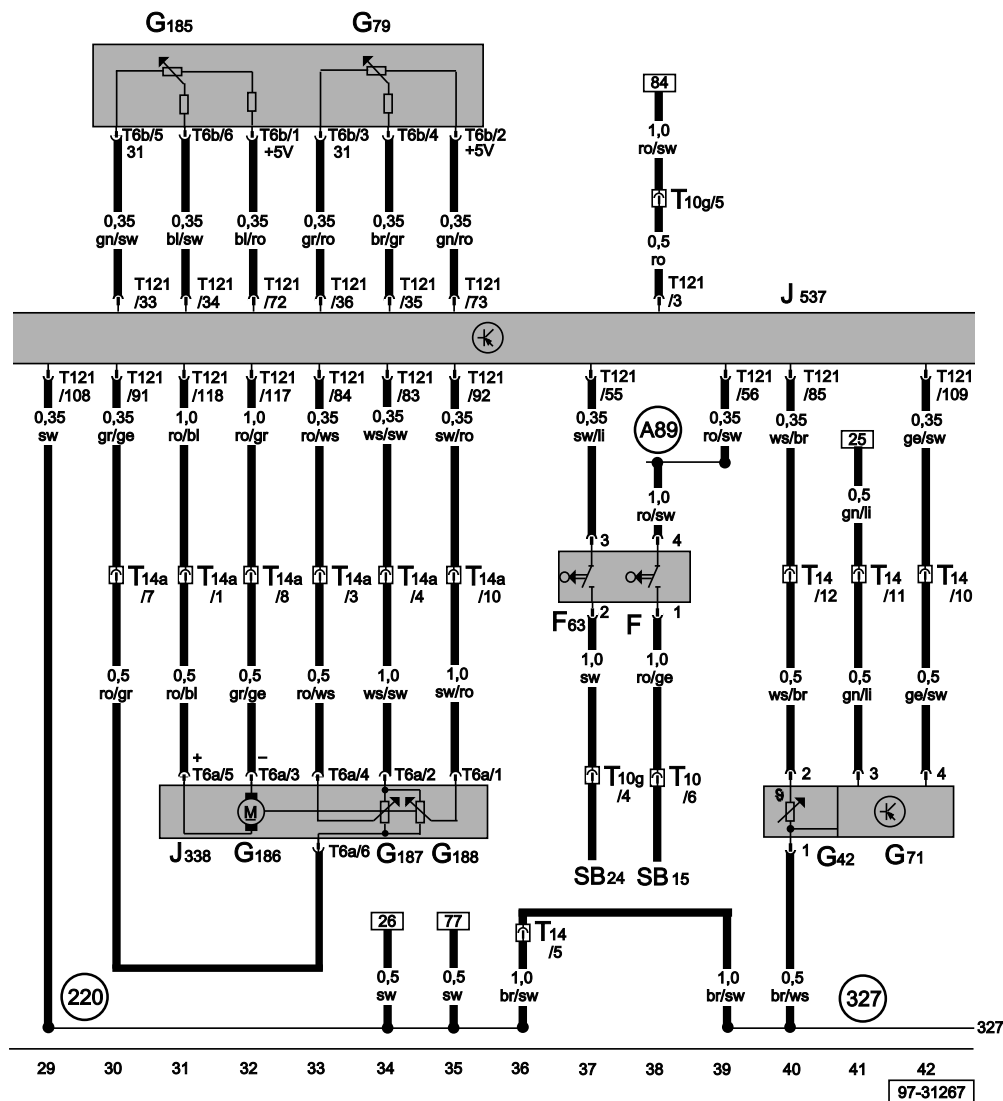
- 12 Earth point, in engine compartment, left
- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness
- E39 Connection, in 4LV wiring harness

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

4LV control unit (injection system), throttle valve control unit, accelerator pedal position sender, intake manifold pressure sender, intake manifold temperature sender, brake light switch, brake pedal switch

- F Brake light switch
- F63 Brake pedal switch
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender -2-
- G186 Throttle valve drive (electric throttle operation)
- G187 Throttle valve drive angle sender -1-
- G188 Throttle valve drive angle sender -2-
- J338 Throttle valve control unit
- J537 4LV control unit (injection system)
- SB15 Fuse -15- in fuse box
- SB24 Fuse -24- in fuse box
- T6a 6-pin connector, black
- T6b 6-pin connector
- T10 10-pin connector, white, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector
- 220 Earth connection (sender earth), in engine wiring harness
- A89 Connection -2- (54), in dash panel wiring harness
- 327 Earth connection (sender earth), in engine compartment wiring harness

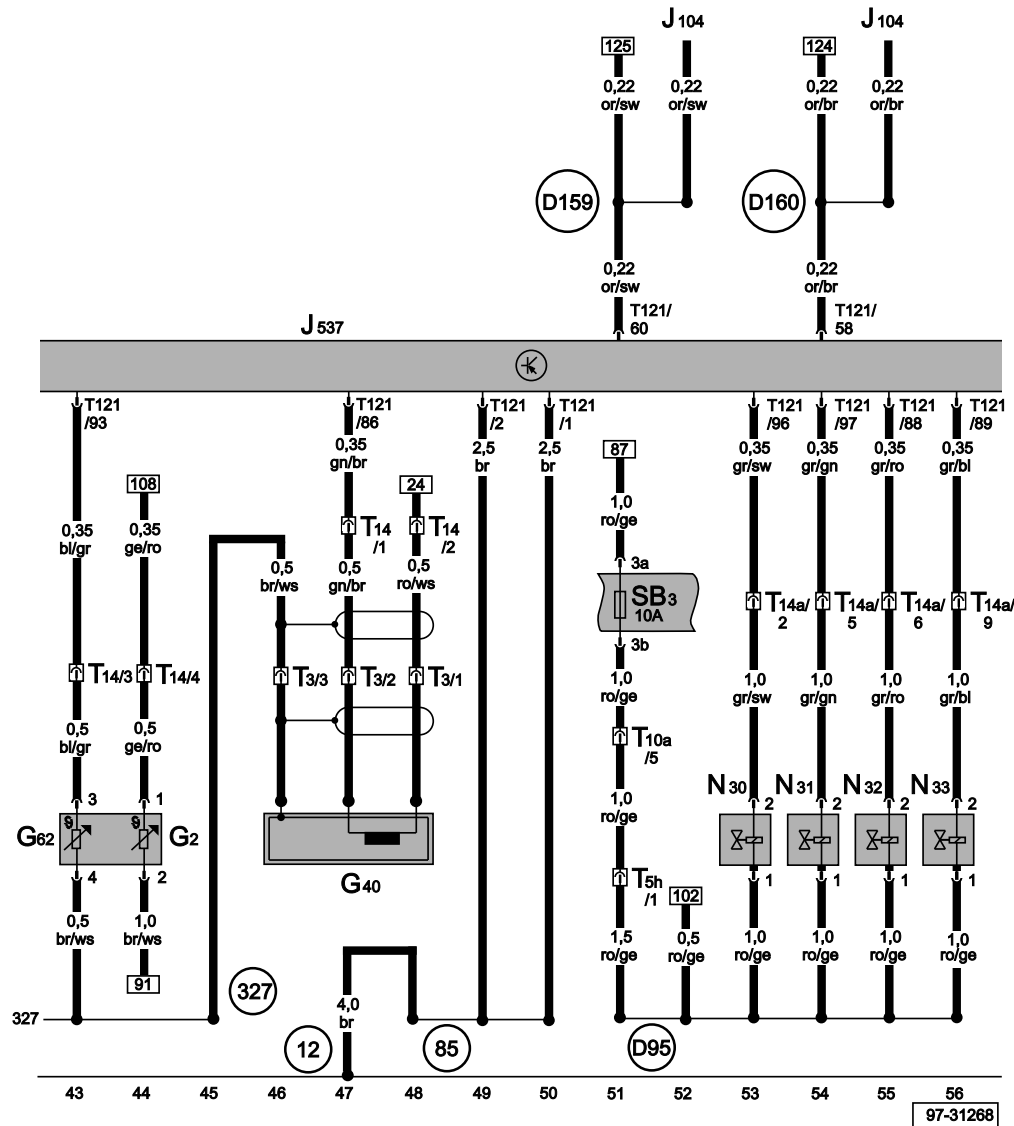
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink

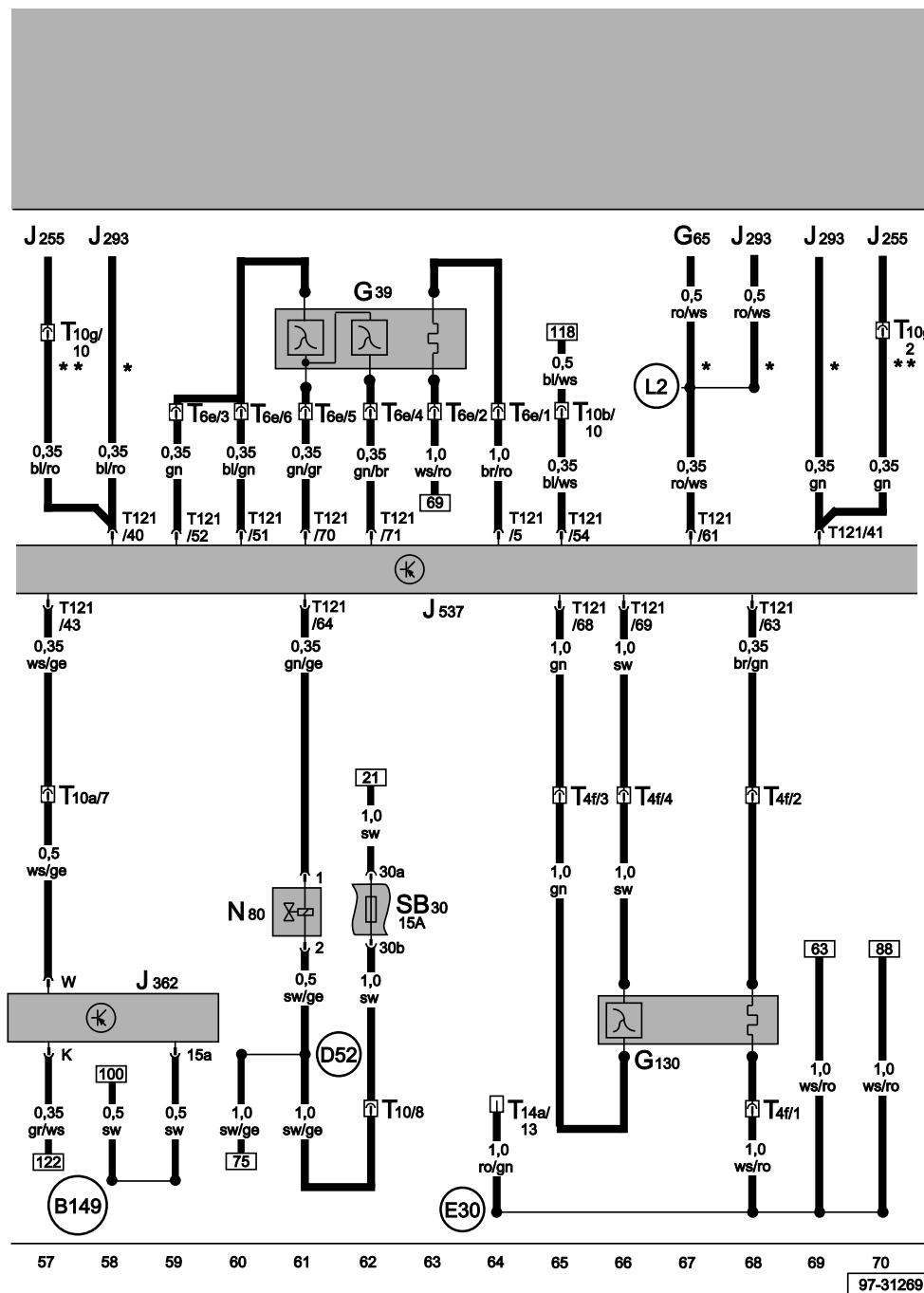


4LV control unit (injection system), hall sender 1, coolant temperature sender, injectors

- G2 Coolant temperature sender
- G40 Hall sender 1
- G62 Coolant temperature sender
- J104 ABS with EDL control unit
- J537 4LV control unit (injection system)
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- SB3 Fuse -3- in fuse box
- T3 3-pin connector
- T5h 5-pin connector, on cylinder head, left
- T10a 10-pin connector, green, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector

- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 327 Earth connection (sender earth), in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness



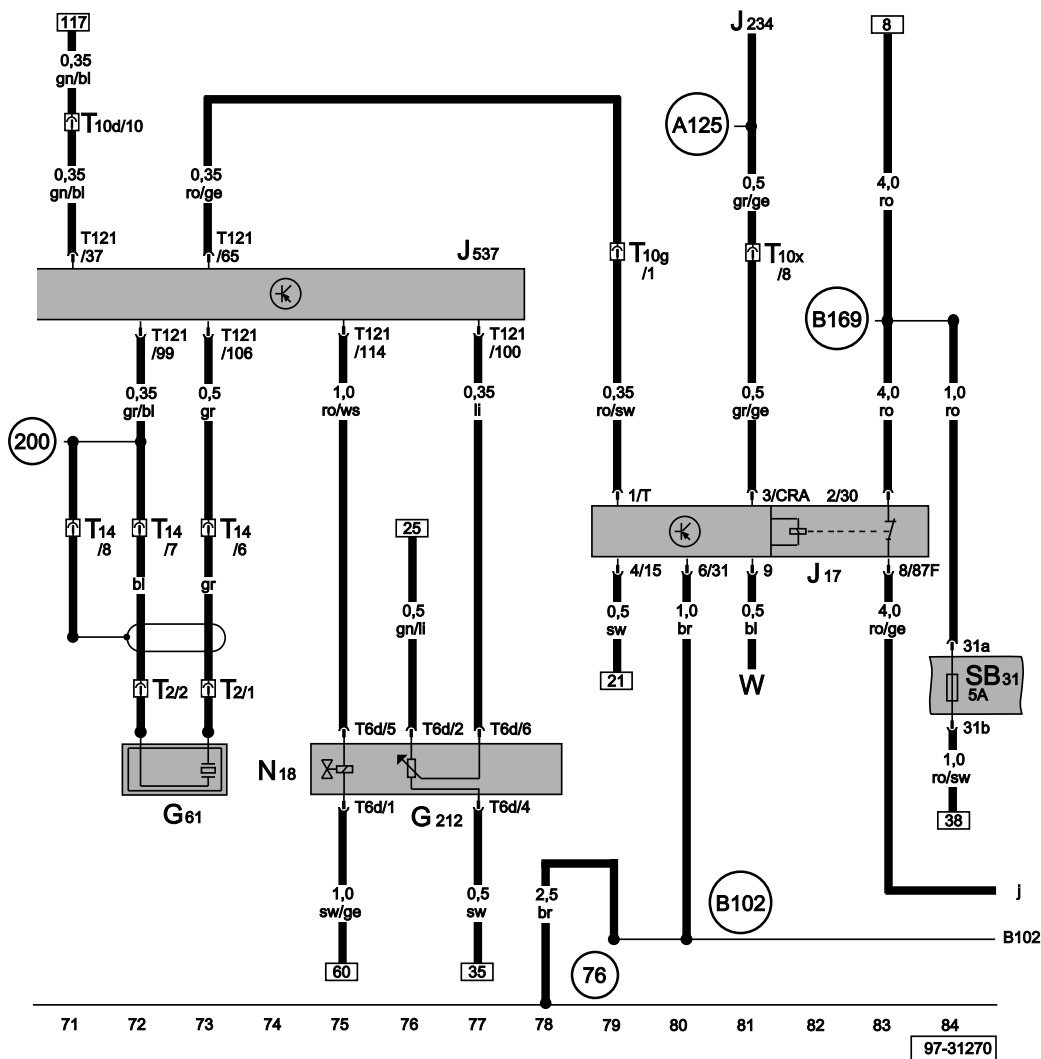


4LV control unit (injection system), knock sensor, fuel pump relay (crash), exhaust gas recirculation potentiometer

- G61 Knock sensor
- G212 Exhaust gas recirculation potentiometer
- J17 Fuel pump relay
- J234 Airbag control unit
- J537 4LV control unit (injection system)
- N18 Exhaust gas recirculation valve
- SB31 Fuse -31- in fuse box
- T2 2-pin connector, black
- T6d 6-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T121 121-pin connector
- W Interior light, front

- 76 Earth point, near selector mechanism
- 200 Earth connection (screening), in engine compartment wiring harness
- A125 Connection (crash signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B169 Positive (+) connection -1- (30), in interior wiring harness

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



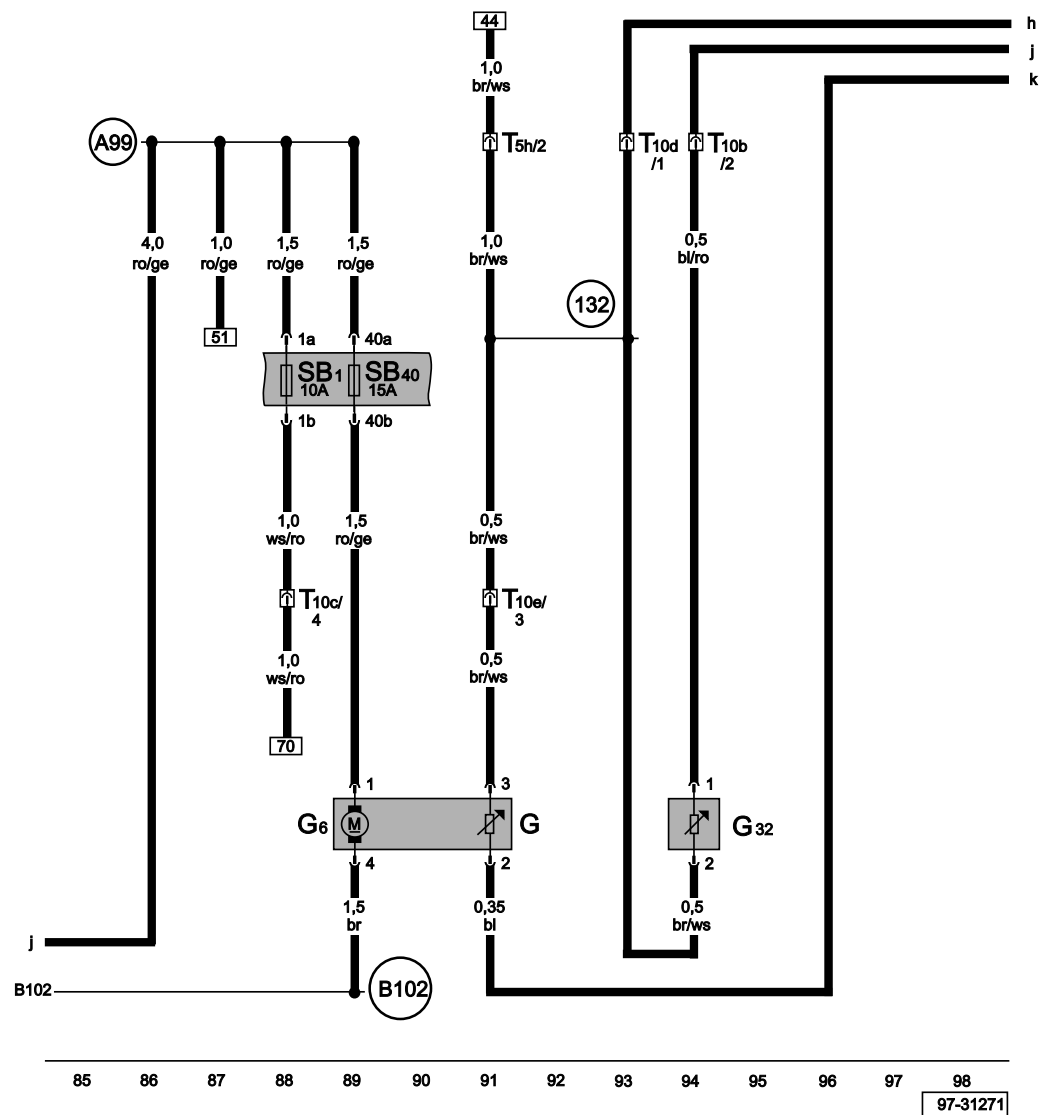
Fuel pump, speedometer sender, fuel gauge sender, coolant shortage indicator sender

- G Fuel gauge sender
- G6 Fuel pump
- G32 Coolant shortage indicator sender
- SB1 Fuse -1- in fuse box
- SB40 Fuse -40- in fuse box
- T5h 5-pin connector, on cylinder head, left
- T10b 10-pin connector, black, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10e 10-pin connector, light pink, connector point under relay carrier

132 Earth connection -3-, in engine compartment wiring harness

A99 Connection -1- (87), in dash panel wiring harness

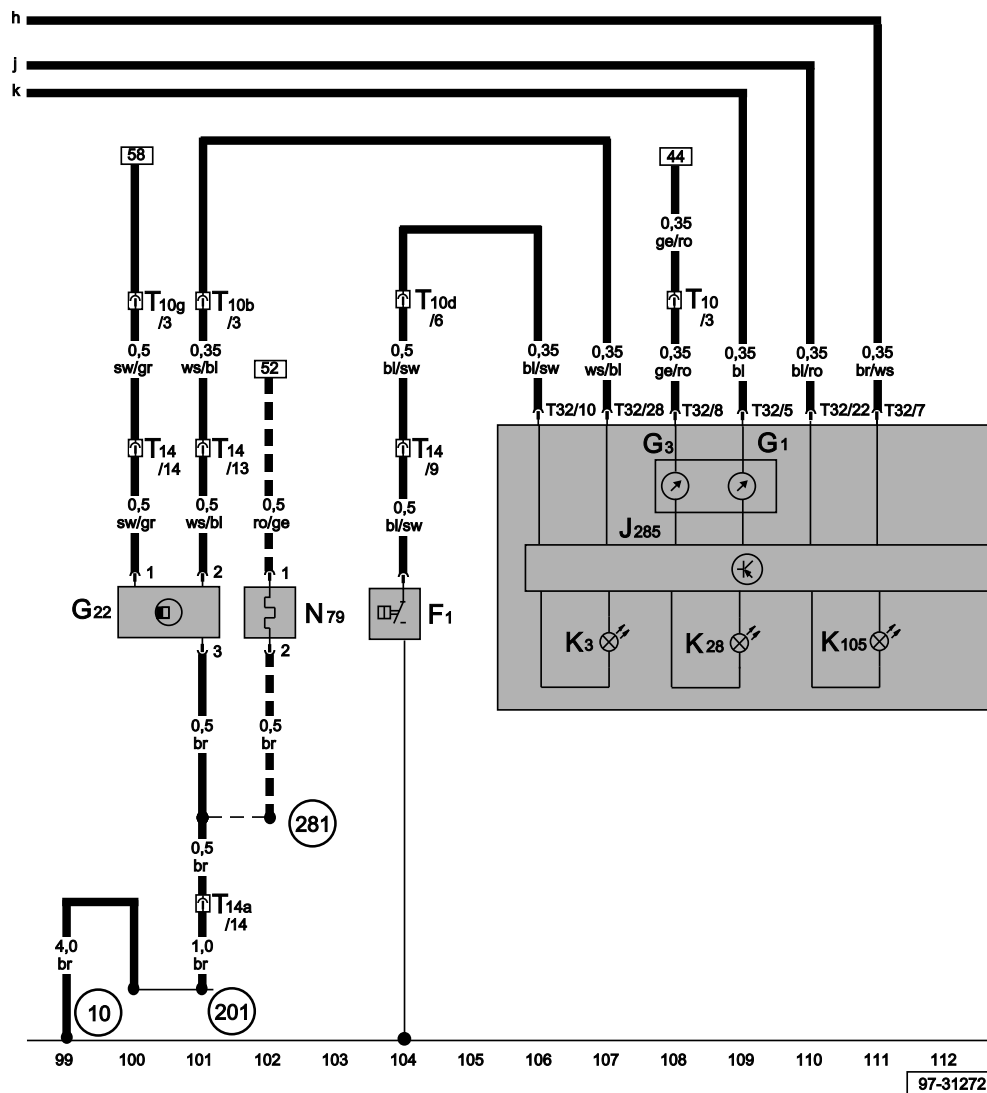
B102 Earth connection, in interior wiring harness, front left



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

Dash panel insert, oil pressure warning, coolant temperature gauge, fuel gauge, rev. counter, heater element (crankcase breather), warning lamps

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G22 Speedometer sender
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K105 Reserve fuel warning lamp
- N79 Heater element (crankcase breather)
- T10 10-pin connector, white, connector point under relay carrier
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T32 32-pin connector, blue
- 10 Earth point, in plenum chamber
- 201 Earth connection -5-, in engine compartment wiring harness
- 281 Earth connection -1-, in engine prewiring wiring harness
- Only AUA/APE from December 2000

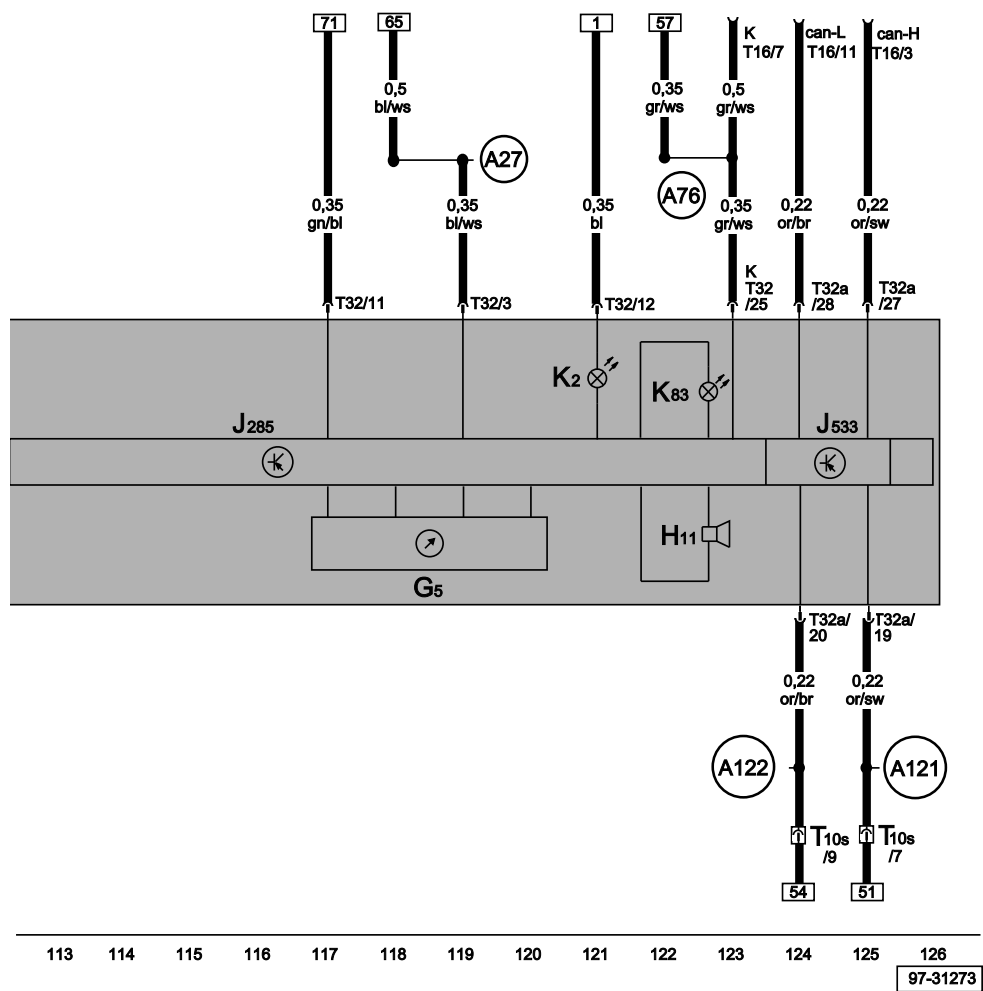


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

Dash panel insert, warning lamps, self-diagnosis connection, data bus diagnostic interface

- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- K2 Alternator warning lamp
- K83 Exhaust emissions warning lamp
- T10s 10-pin connector, green, connector point under relay carrier
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, green
- T32a 32-pin connector, blue

- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness

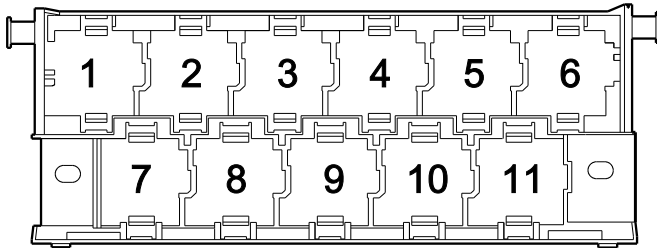


1.6 l/92 kW Simos, engine codes ARC, AVY

From October 1999

1.6 l/92 kW Simos, engine codes AVY, From October 1999

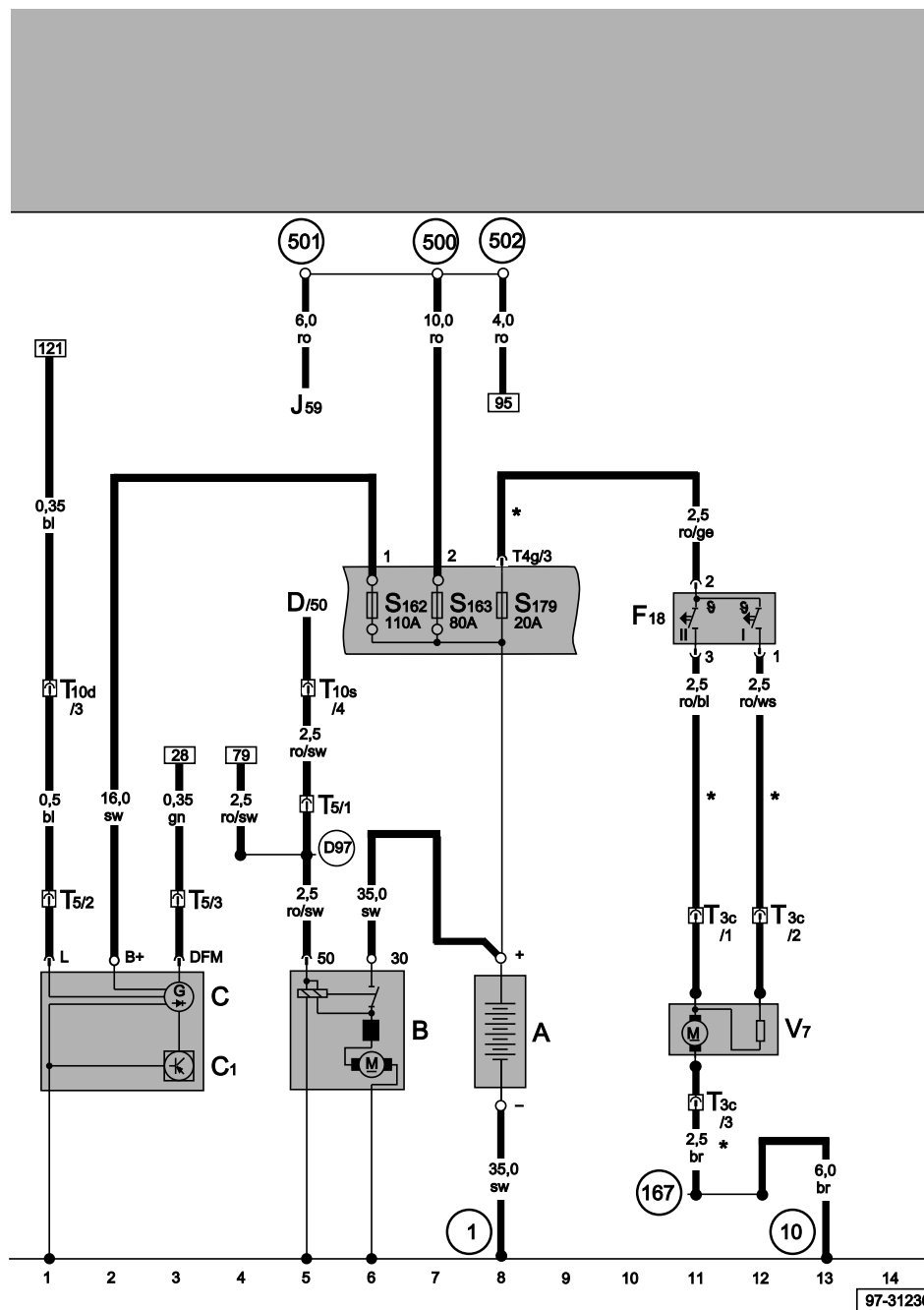
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

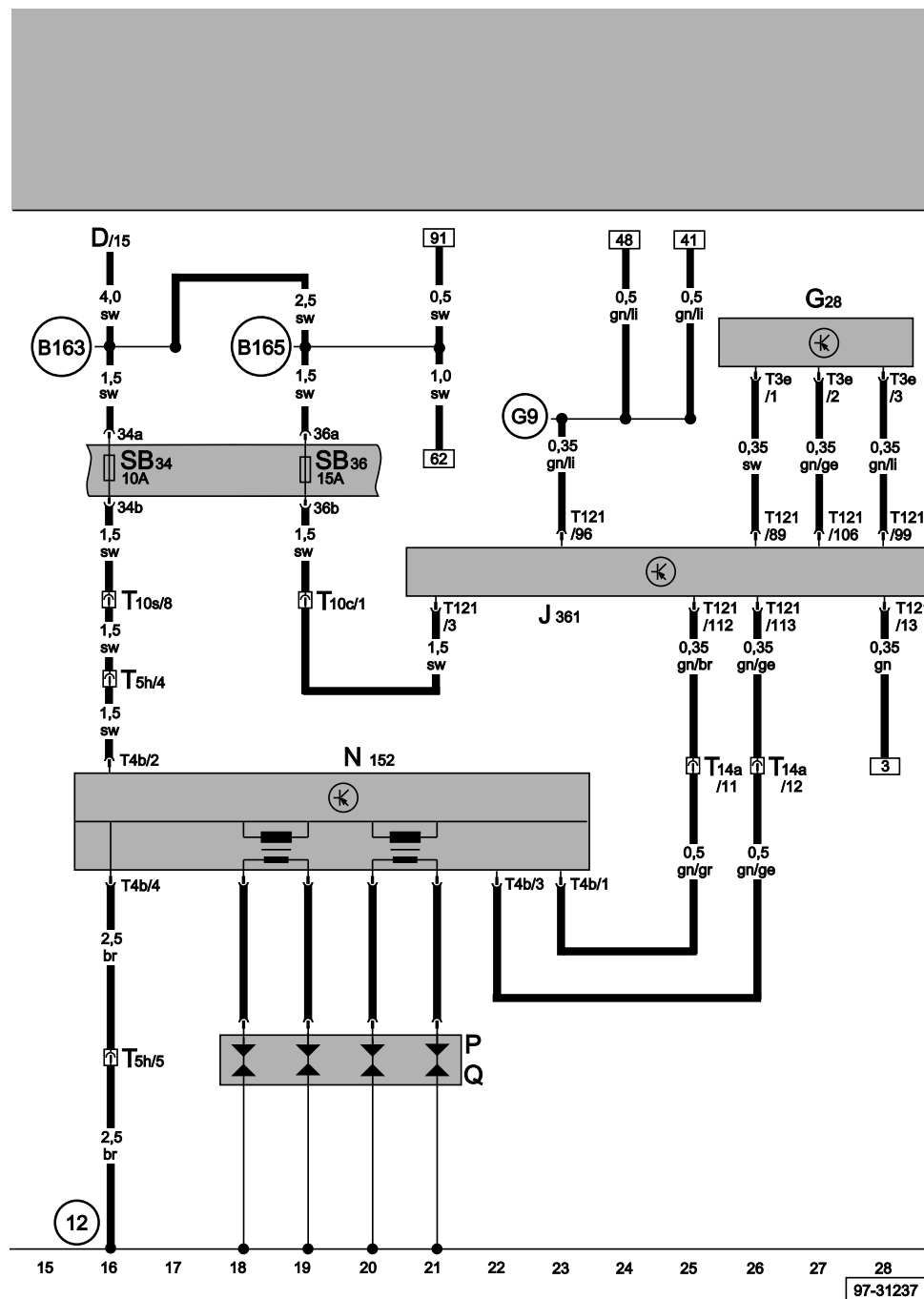
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple



Battery, alternator, voltage regulator, starter, radiator fan thermo-switch, radiator fan

- A Battery
 - B Starter
 - C Alternator
 - C1 Voltage regulator
 - D Ignition/starter switch
 - F18 Radiator fan thermo-switch
 - J59 X contact relief relay
 - S162 Fuse -1- (30), in fuse box/battery
 - S163 Fuse -2- (30), in fuse box/battery
 - S179 Fuse -7- (30), in fuse box/battery
 - T3c 3-pin connector
 - T4g 4-pin connector, black
 - T5 5-pin connector
 - T10d 10-pin connector, red, connector point under relay carrier
 - V7 Radiator fan
- 1 Earth strap, battery - body
 - 10 Earth point, in plenum chamber
 - 167 Earth connection -4-, in engine compartment wiring harness
 - 500 Screw connection -1- (30), on relay plate
 - 501 Screw connection -2- (30), on relay plate
 - 502 Screw connection -3- (30), on relay plate
 - D97 Connection (50), in engine compartment wiring harness
 - * Not with models with air conditioner

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



Simos control unit, engine speed sender, ignition transformer, spark plugs, spark plug connector, fuses

- D Ignition/starter switch
- G28 Engine speed sender
- J361 Simos control unit (injection system)
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- SB34 Fuse -34- in fuse box
- SB36 Fuse -36- in fuse box
- T3e 3-pin connector
- T4b 4-pin connector, black
- T5h 5-pin connector, on cylinder head, left
- T10c 10-pin connector, blue, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector
- 12 Earth point, in engine compartment, left
- B163 Connection -1- (15), in interior wiring harness
- B165 Connection -2- (15), in interior wiring harness
- G9 Connection, in Simos wiring harness

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

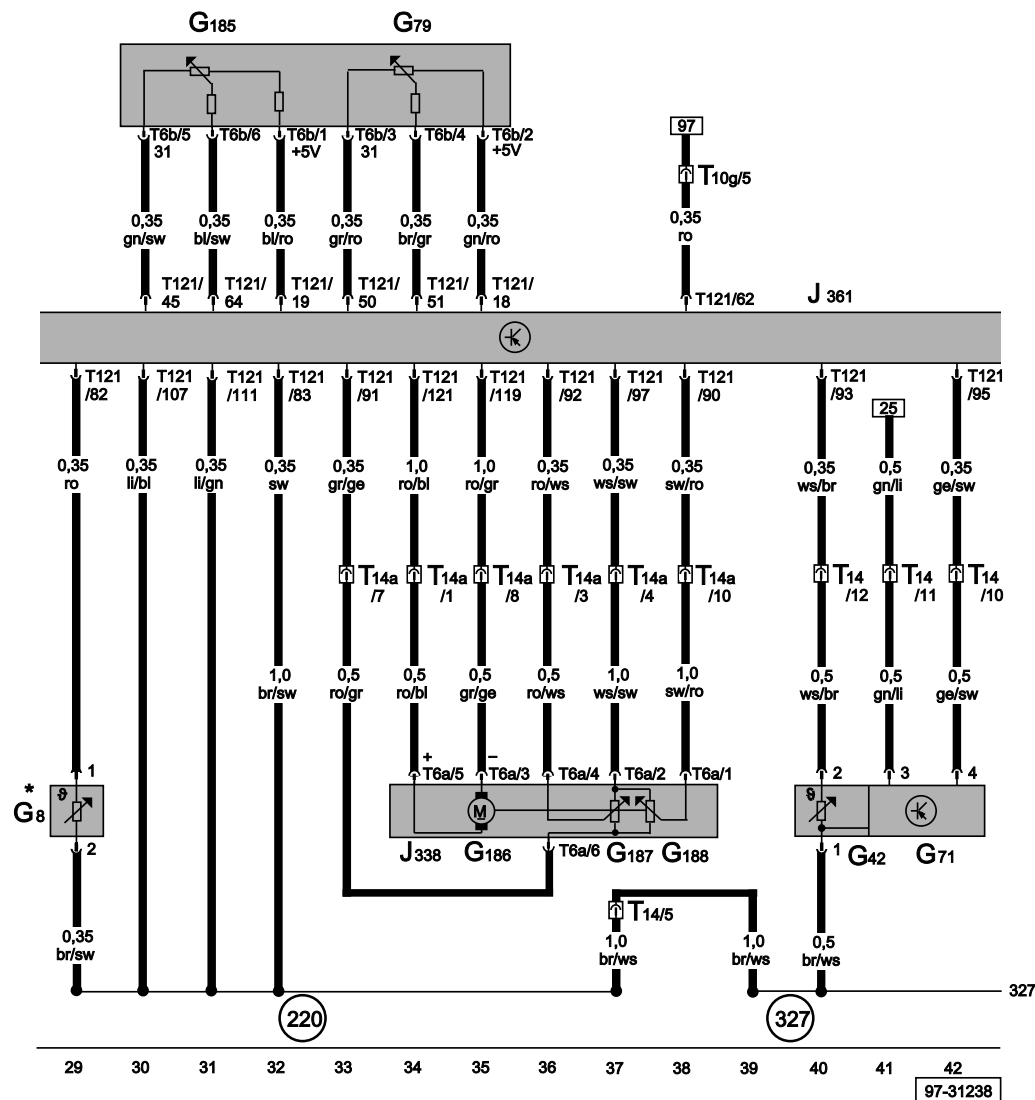
Simos control unit, throttle valve control unit, accelerator pedal position sender, intake manifold pressure sender, intake air temperature sender, oil temperature sender

- G8 Oil temperature sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G79 Accelerator pedal position sender
- G185 Accelerator pedal position sender -2-
- G186 Throttle valve drive (electric throttle operation)
- G187 Throttle valve drive angle sender -1-
- G188 Throttle valve drive angle sender -2-
- J338 Throttle valve control unit
- J361 Simos control unit (injection system)
- T6a 6-pin connector, black
- T6b 6-pin connector
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector

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

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

* Not fitted from May 2001



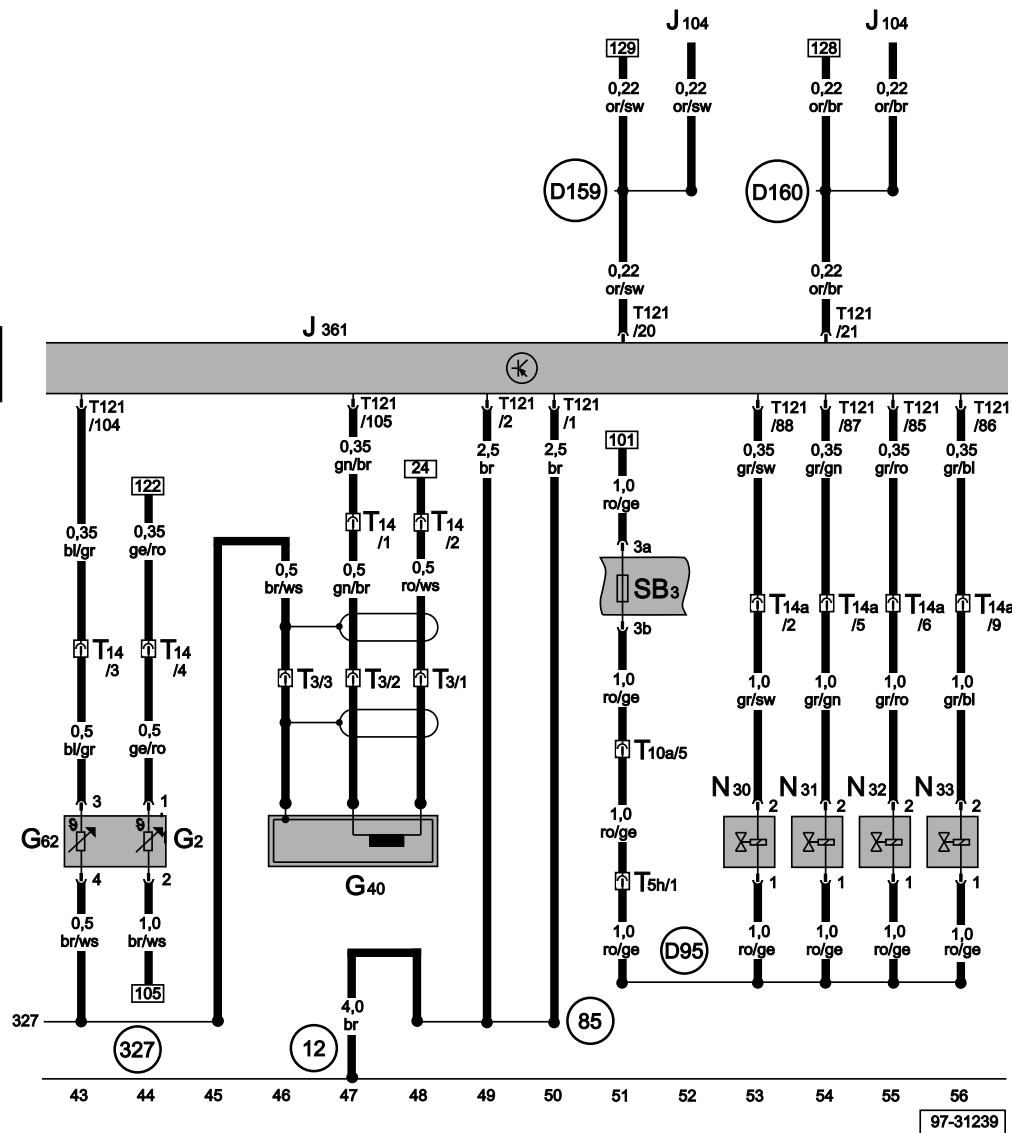
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- ge = yellow
- or = orange
- rs = pink

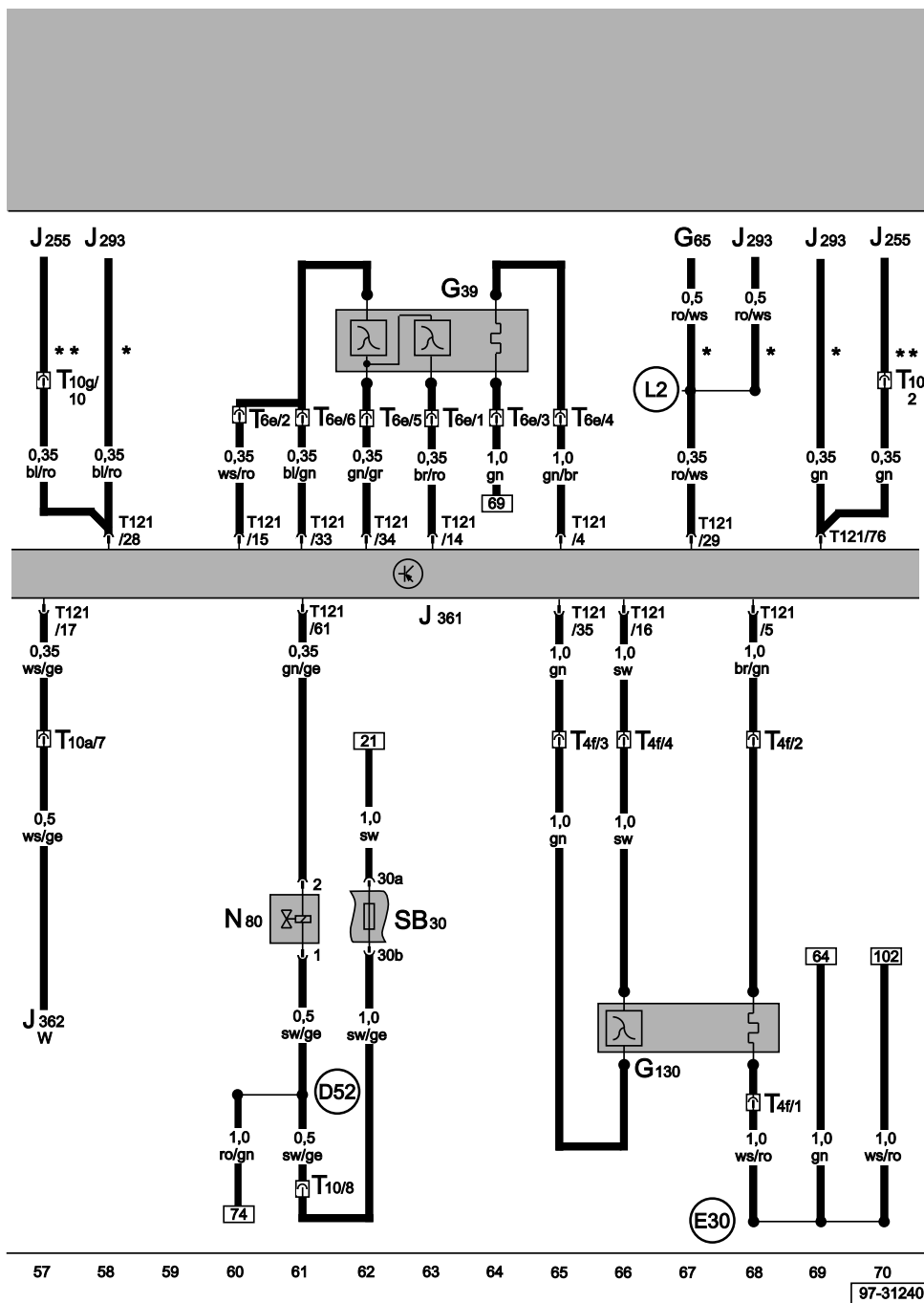
Simos control unit, hall sender 1, coolant temperature sender, injectors

- G2 Coolant temperature sender
- G40 Hall sender 1
- G62 Coolant temperature sender
- J104 ABS with EDL control unit
- J361 Simos control unit (injection system)
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- SB3 Fuse -3- in fuse box
- T3 3-pin connector
- T5h 5-pin connector, on cylinder head, left
- T10a 10-pin connector, green, connector point under relay carrier
- T14 14-pin connector, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T121 121-pin connector

- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 327 Earth connection (sender earth), in engine compartment wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness

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Simos control unit, lambda probe I, lambda probe II, activated charcoal filter system solenoid valve, immobilizer control unit

- G39 Lambda probe before catalyst
- G65 High pressure sender
- G130 Lambda probe after catalyst
- J293 Radiator fan control unit
- J255 Climatronic control unit
- J361 Simos control unit (injection system)
- J362 Immobilizer control unit
- N80 Activated charcoal filter system solenoid valve 1
- SB30 Fuse -30- in fuse box
- T4f 4-pin connector
- T6e 6-pin connector
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T121 121-pin connector

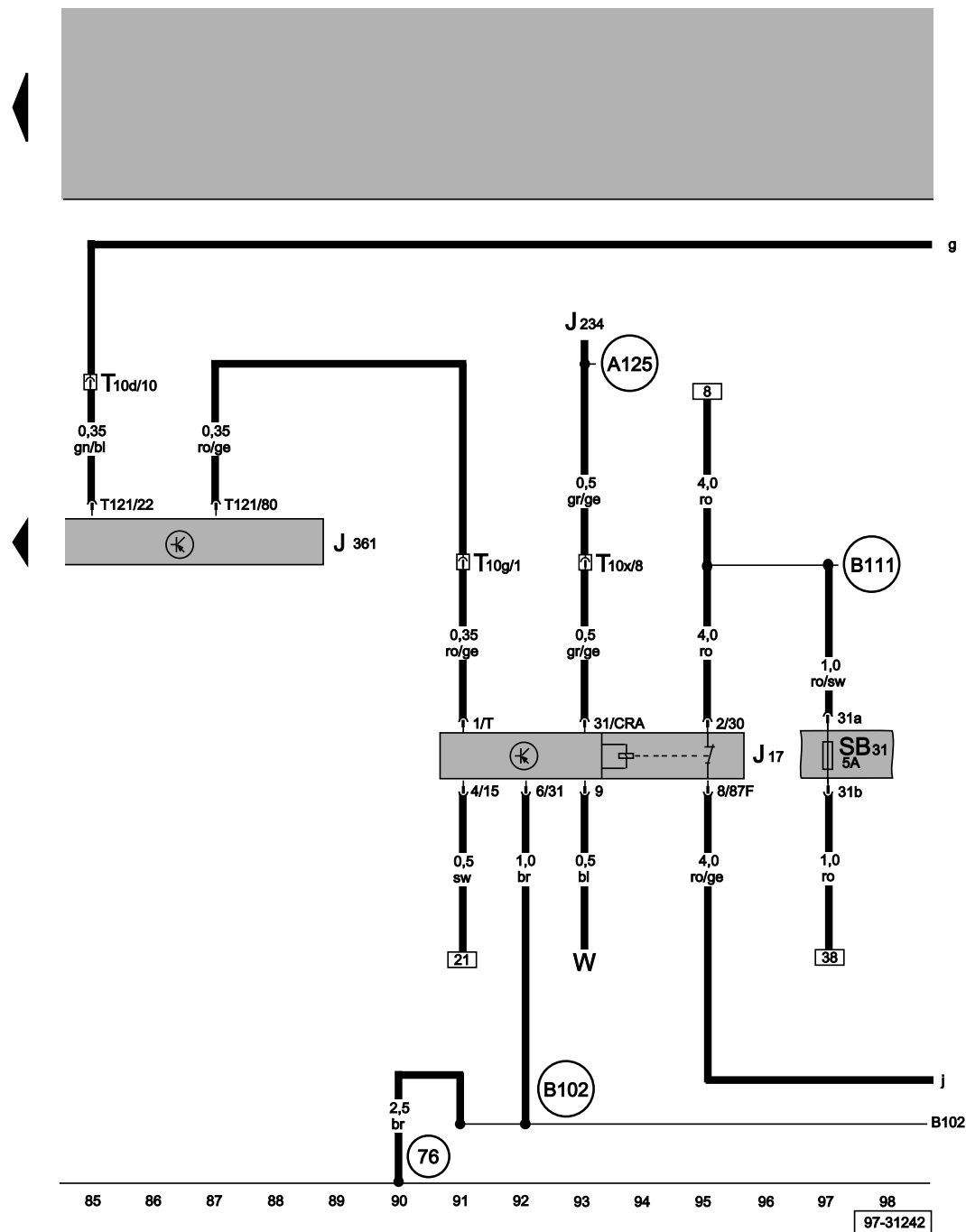
D52 Positive (+) connection (15a), in engine compartment wiring harness

E30 Connection (87a), in engine wiring harness

L2 Connection, in air conditioner wiring harness

* Only models with manual control air conditioner

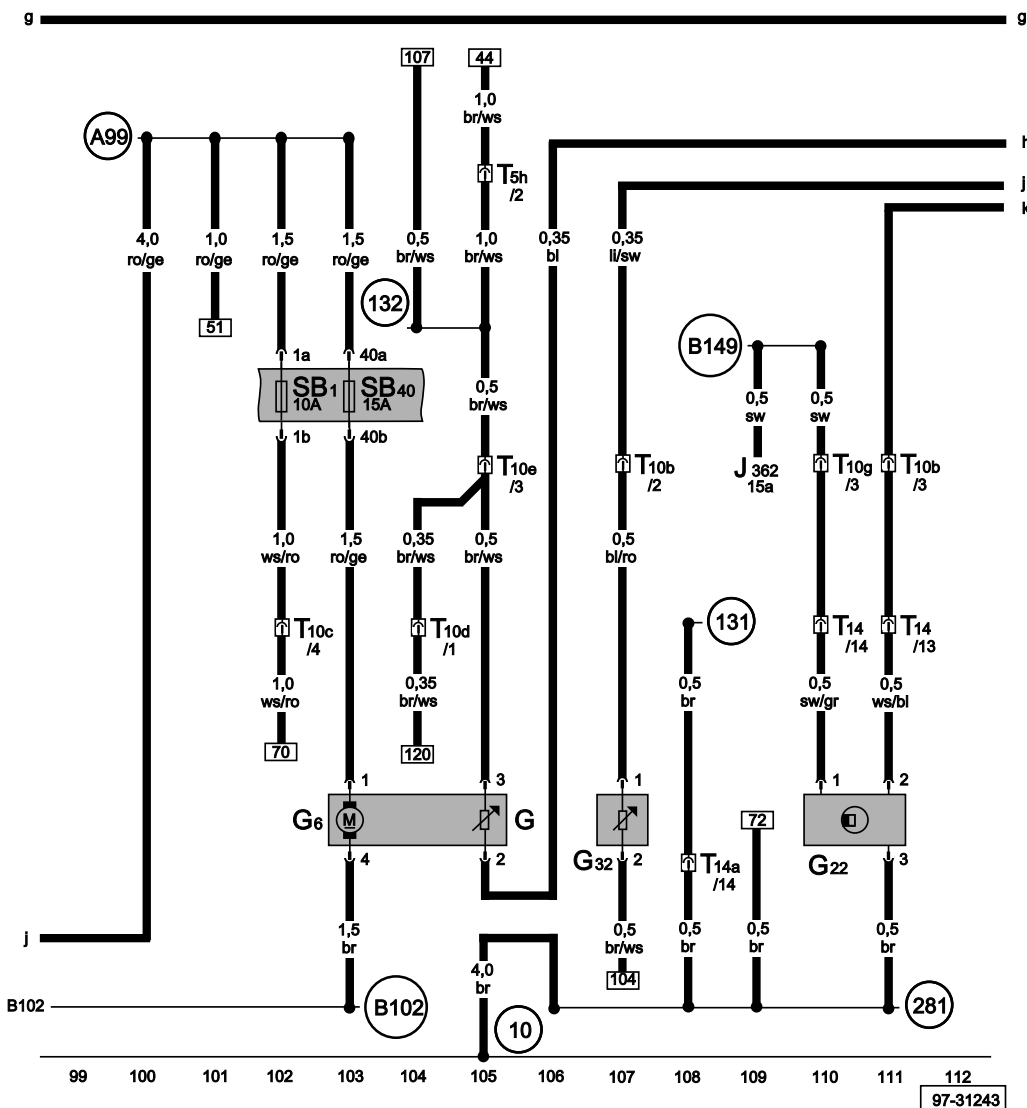
** Only models with Climatronic



Simos control unit (injection system), fuel pump relay, fuel pump relay (crash), oil temperature sender

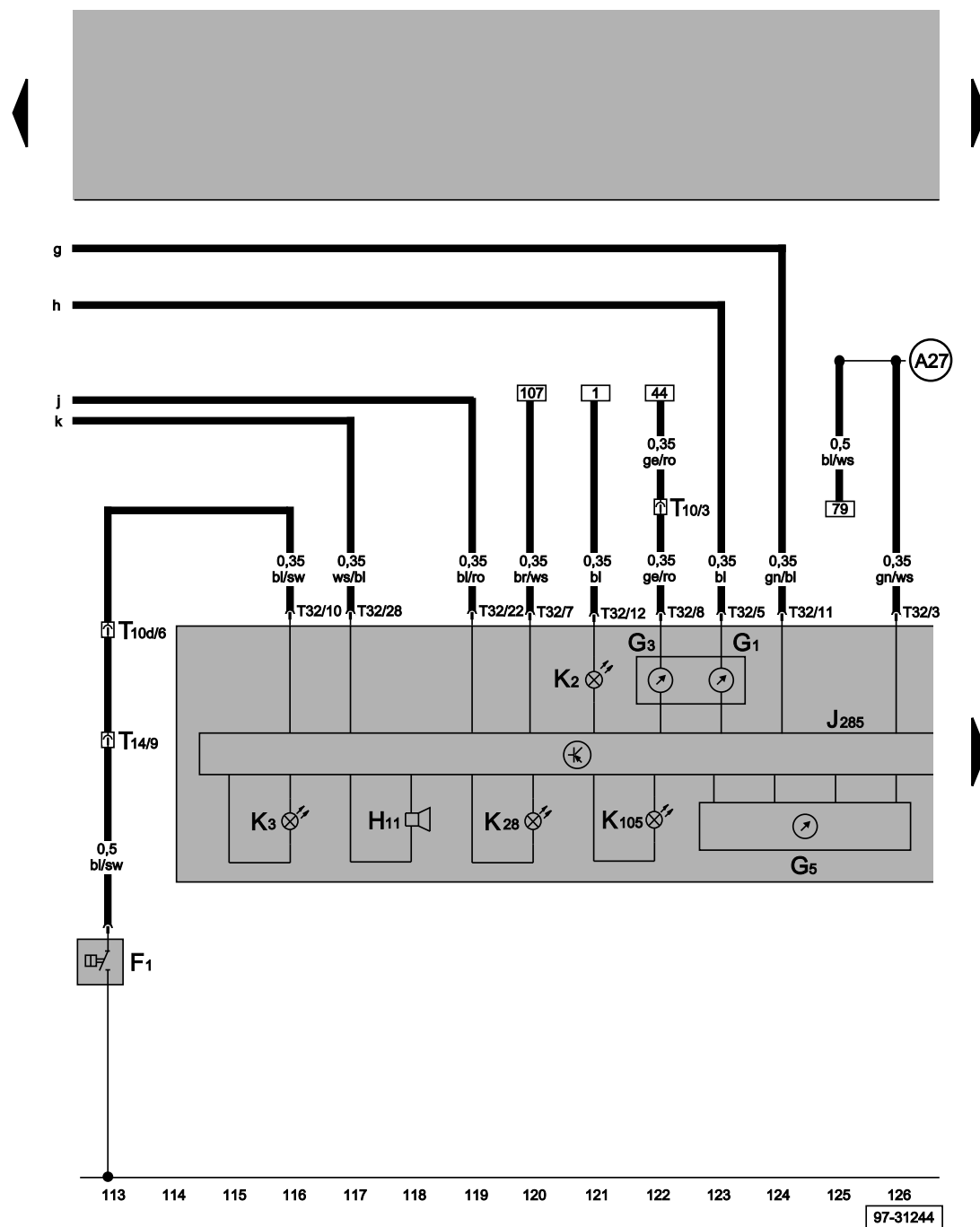
- J17 Fuel pump relay
- J234 Airbag control unit, behind lower console
- J361 Simos control unit (injection system)
- SB31 Fuse -31- in fuse box
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T121 121-pin connector
- W Interior light, front
- 76 Earth point, near selector mechanism
- A125 Connection (crash signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B111 Positive (+) connection -1- (30a), in interior wiring harness

Fuel pump, speedometer sender, fuel gauge sender, coolant shortage indicator sender



- G Fuel gauge sender
- G6 Fuel pump
- G22 Speedometer sender (hall sender, on gearbox)
- G32 Coolant shortage indicator sender
- J362 Immobilizer control unit
- SB1 Fuse -1- in fuse box
- SB40 Fuse -40- in fuse box
- T5h 5-pin connector, on cylinder head, left
- T10a 10-pin connector, green, connector point under relay carrier
- T10b 10-pin connector, black, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T10e 10-pin connector, light pink, connector point under relay carrier
- T10g 10-pin connector, brown
- T14 14-pin connector, black
- T14a 14-pin connector, brown
- 10 Earth point, in plenum chamber
- 131 Earth connection -2-, in engine compartment wiring harness
- 132 Earth connection -3-, in engine compartment wiring harness
- 281 Earth connection -1-, in engine prewiring wiring harness
- A99 Connection -1- (87), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B149 Positive (+) connection -2- (15a), in interior wiring harness

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 rs = pink



Dash panel insert, oil pressure warning, coolant temperature gauge, fuel gauge, rev. counter, warning lamps

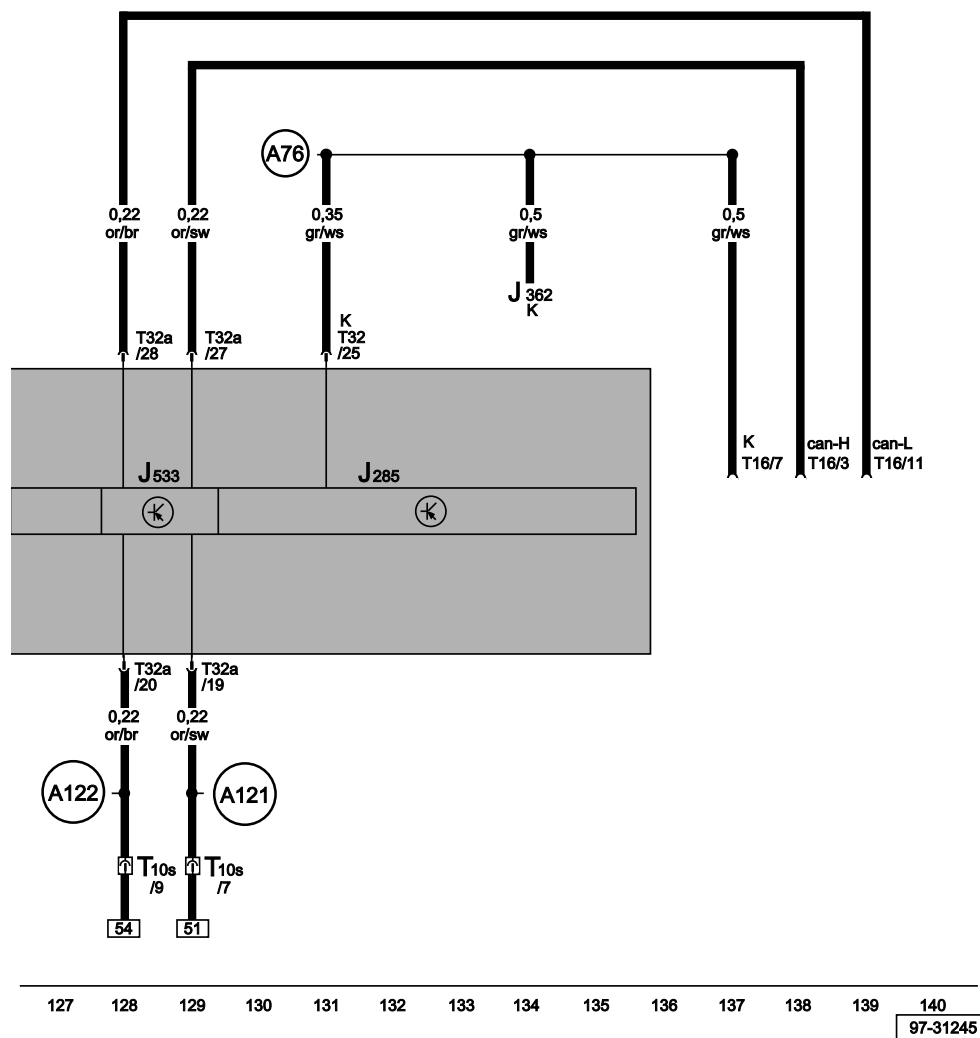
- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K105 Reserve fuel warning lamp
- T10 10-pin connector, white, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T32 32-pin connector, blue
- A27 Connection (speed signal), in dash panel wiring harness

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 li = purple
 ge = yellow
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 rs = pink

Dash panel insert, self-diagnosis connection, data bus diagnostic interface

- J362 Immobilizer control unit
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- T10s 10-pin connector, light green, connector point under relay carrier
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, green
- T32a 32-pin connector, blue

- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness

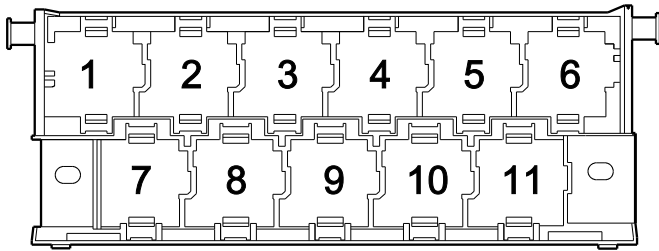


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1.9 ltr./ 47kW catalytic converter diesel engine, engine codes AEF

From October 1999

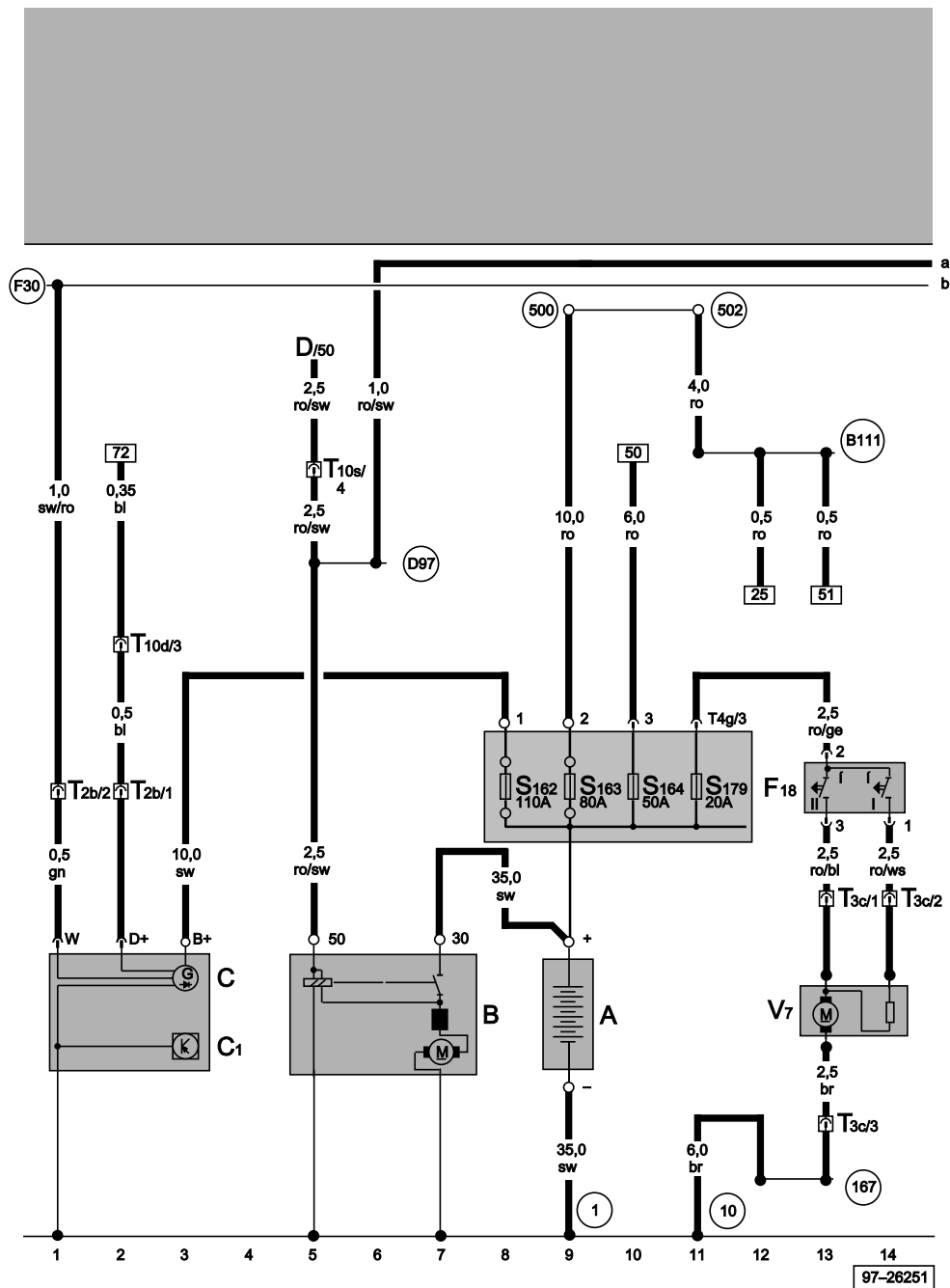
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in battery fuse box
- S163 Fuse -2- (30), in battery fuse box
- S164 Fuse -3- (30), in battery fuse box
- S179 Fuse -7- (30), in battery fuse box
- T2b 2-pin connector, black
- T3c 3-pin connector, black
- T4g 4-pin connector, black
- T10d 10-pin connector, red, near relay station
- T10s 10-pin connector, light green, near relay station
- V7 Radiator fan
- 1 Earth strap, battery - body
- 10 Earth point, in plenum chamber
- 167 Earth connection -4-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- 502 Screw connection -3- (30), on relay plate
- B111 Positive (+) connection -1- (30a), in interior wiring harness
- D97 Connection (50), in engine compartment wiring harness, right
- F30 Connection -1-, in glow plug system wiring harness

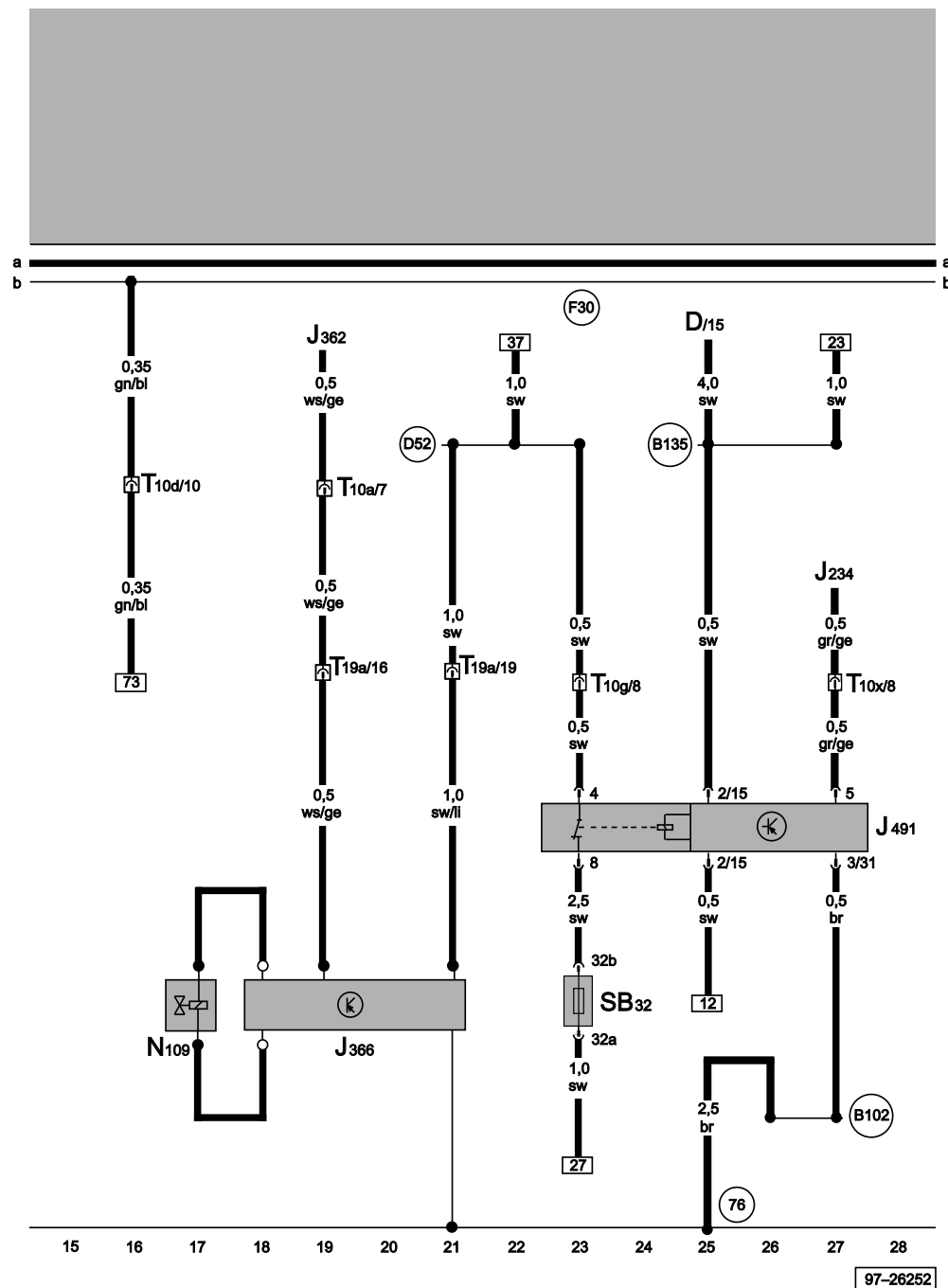
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 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

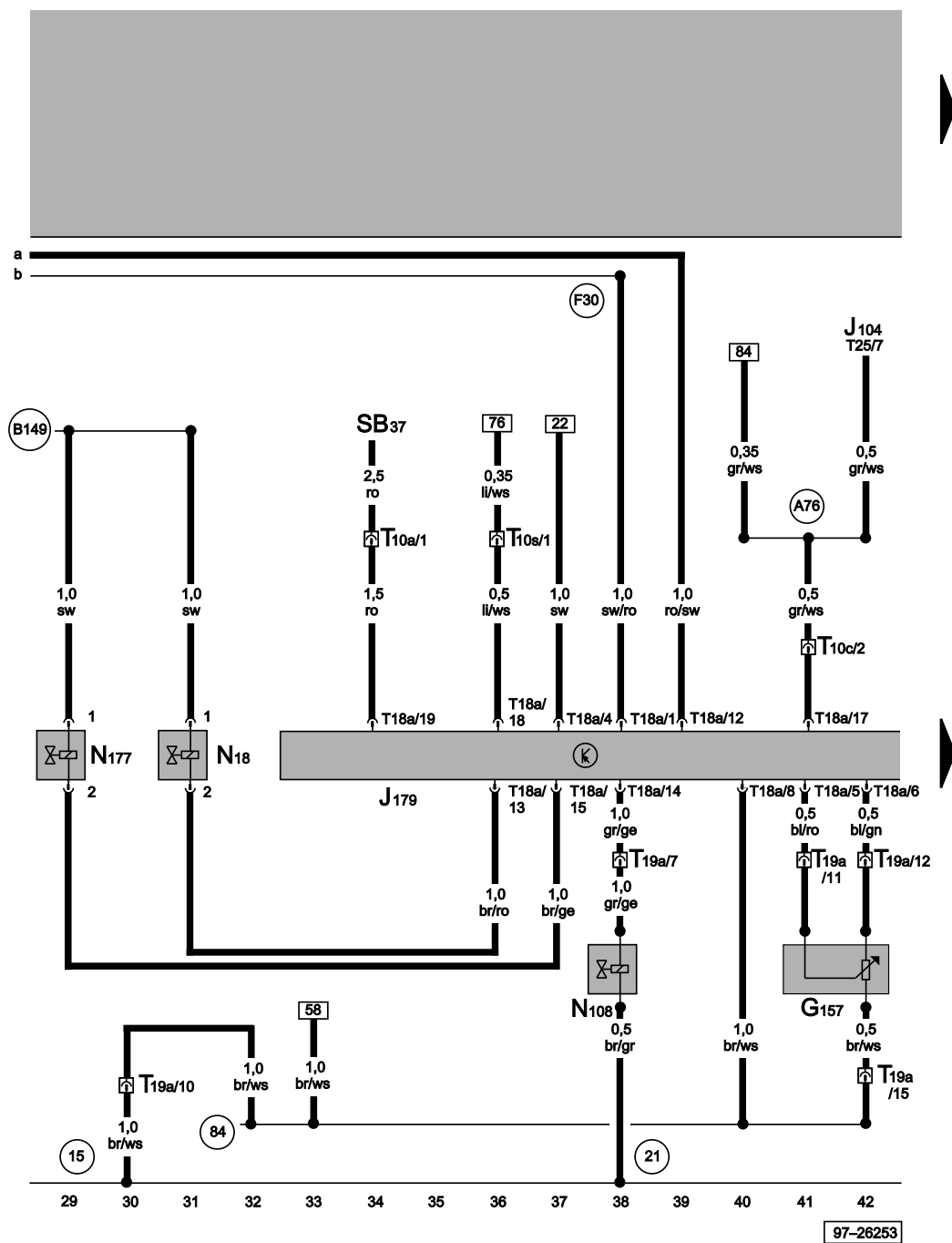
Fuel shut-off valve, fuel shut-off valve control unit, fuel shut-off control unit (Crash)

- D Ignition/starter switch
- J234 Airbag control unit
- J362 Immobilizer control unit, next to steering column
- J366 Fuel shut-off valve control unit, on the diesel injection pump
- J491 Fuel shut-off control unit (Crash)
- N109 Fuel shut-off valve
- SB32 Fuse -32- in relay plate fuse box
- T10a 10-pin connector, green, near relay station
- T10d 10-pin connector, red, near relay station
- T10g 10-pin connector, brown, near relay station
- T10x 10-pin connector, yellow, near relay station
- T19a 19-pin connector, black, on engine

- 76 Earth point, near selector mechanism
- B102 Earth connection, in front left interior wiring harness
- B135 Connection -1- (15a), in interior wiring harness
- D52 Positive (+) connection (15a) , in engine compartment wiring harness
- F30 Connection -1-, in glow plug system wiring harness

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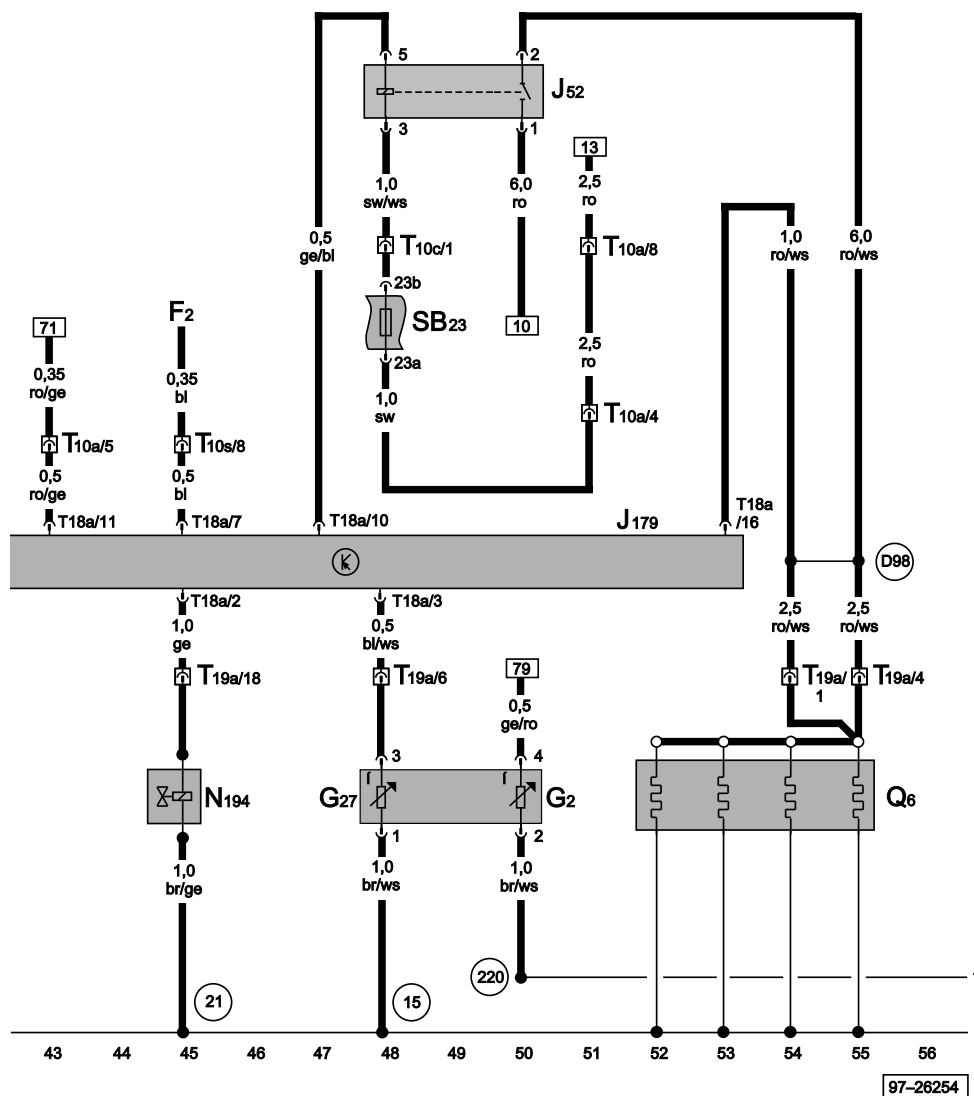
Automatic glow period control unit, commencement of injection valve, load signal potentiometer, exhaust gas recirculation valve, idling speed boost valve

- G157 Load signal potentiometer
- J104 ABS control unit, in engine compartment, left
- J179 Automatic glow period control unit, above the relay plate
- N18 Exhaust gas recirculation valve
- N108 Commencement of injection valve
- N177 Idling speed boost valve
- SB37 Fuse -37- in relay plate fuse box
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10s 10-pin connector, light green, near relay station
- T18a 18-pin connector, black, on automatic glow period control unit
- T19a 19-pin connector, black, on engine
- T25 25-pin connector, black
- 15 Earth point, on cylinder head
- 21 Earth point, near diesel injection pump
- 84 Earth connection, engine block, in front right wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B149 Connection -2- (15a), in interior wiring harness
- F30 Connection -1-, in glow plug system wiring harness

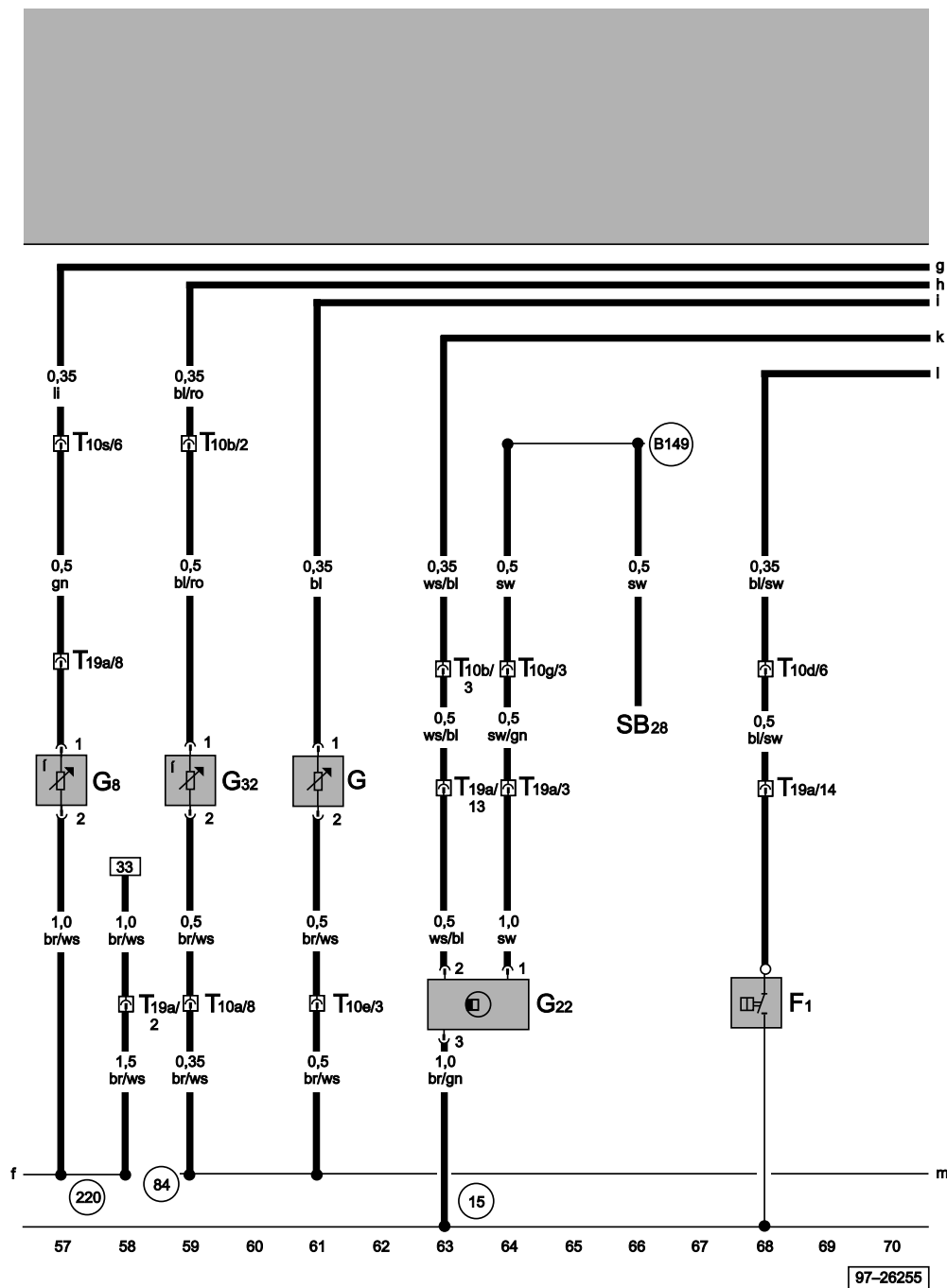
Automatic glow period control unit, engine temperature sender, coolant temperature sender, full load stop valve, glow plugs, glow plugs relay

- F2 Door contact switch, driver side
- G2 Coolant temperature sender
- G27 Engine temperature sender
- J52 Glow plug relay, near relay station
- J179 Automatic glow period control unit, above the relay plate
- N194 Full throttle limit valve
- Q6 Glow plugs
- SB23 Fuse -23- on fuse holder
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T10s 10-pin connector, light green, near relay station
- T18a 18-pin connector, black, on automatic glow period control unit
- T19a 19-pin connector, black, on engine

- 15 Earth point, on cylinder head
- 21 Earth point, near diesel injection pump
- 220 Earth connection (sender earth), in engine wiring harness
- D98 Connection (glow plugs), in engine compartment wiring harness



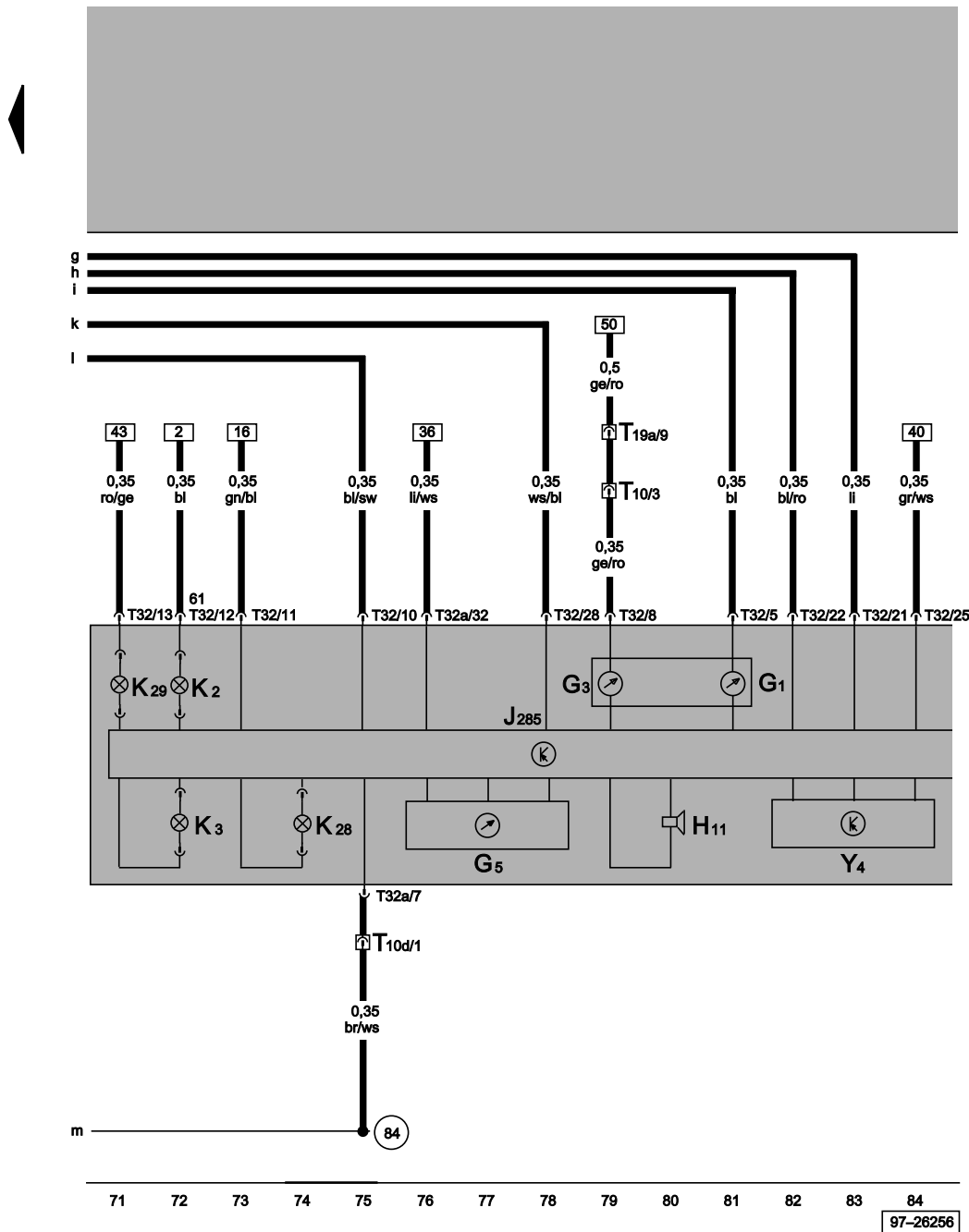
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink



Coolant shortage indicator sender, fuel gauge sender, speedometer sender, oil temperature sender, oil pressure switch

- F1 Oil pressure switch
- G Fuel gauge sender
- G8 Oil temperature sender
- G22 Speedometer sender (Hall sender on gearbox)
- G32 Coolant shortage indicator sender
- SB28 Fuse -28- on fuse holder
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10d 10-pin connector, red, near relay station
- T10e 10-pin connector, light pink, near relay station
- T10g 10-pin connector, brown, near relay station
- T10s 10-pin connector, light green, near relay station
- T19a 19-pin connector, black, on engine
- 15 Earth point, on cylinder head
- 84 Earth connection, engine block, in front right wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- B149 Positive connection -2- (15a), in interior wiring harness

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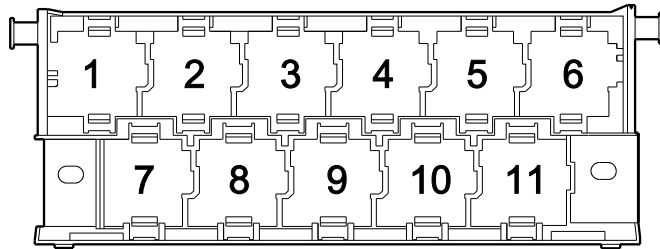
Dash panel insert, fuel gauge, coolant shortage/coolant temperature warning lamp, optical and acoustical oil pressure warning, alternator warning lamp, glow period warning lamp

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K29 Glow period warning lamp
- T10 10-pin connector, white, near relay station
- T10d 10-pin connector, red, near relay station
- T19a 19-pin connector, black, on engine
- T32 32-pin connector, blue, on dash panel insert
- T32a 32-pin connector, black, on dash panel insert
- Y4 Odometer display
- 84 Earth connection, engine block, in front right wiring harness

- ⇒ 1.7 litre/42 kW Naturally aspirated diesel, engine code AHG
 - ⇒ 1.7 litre/44 kW Naturally aspirated diesel, engine code AKU
 - ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine code AGD
- From October 1999

- ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine code ASX
- From May 2000

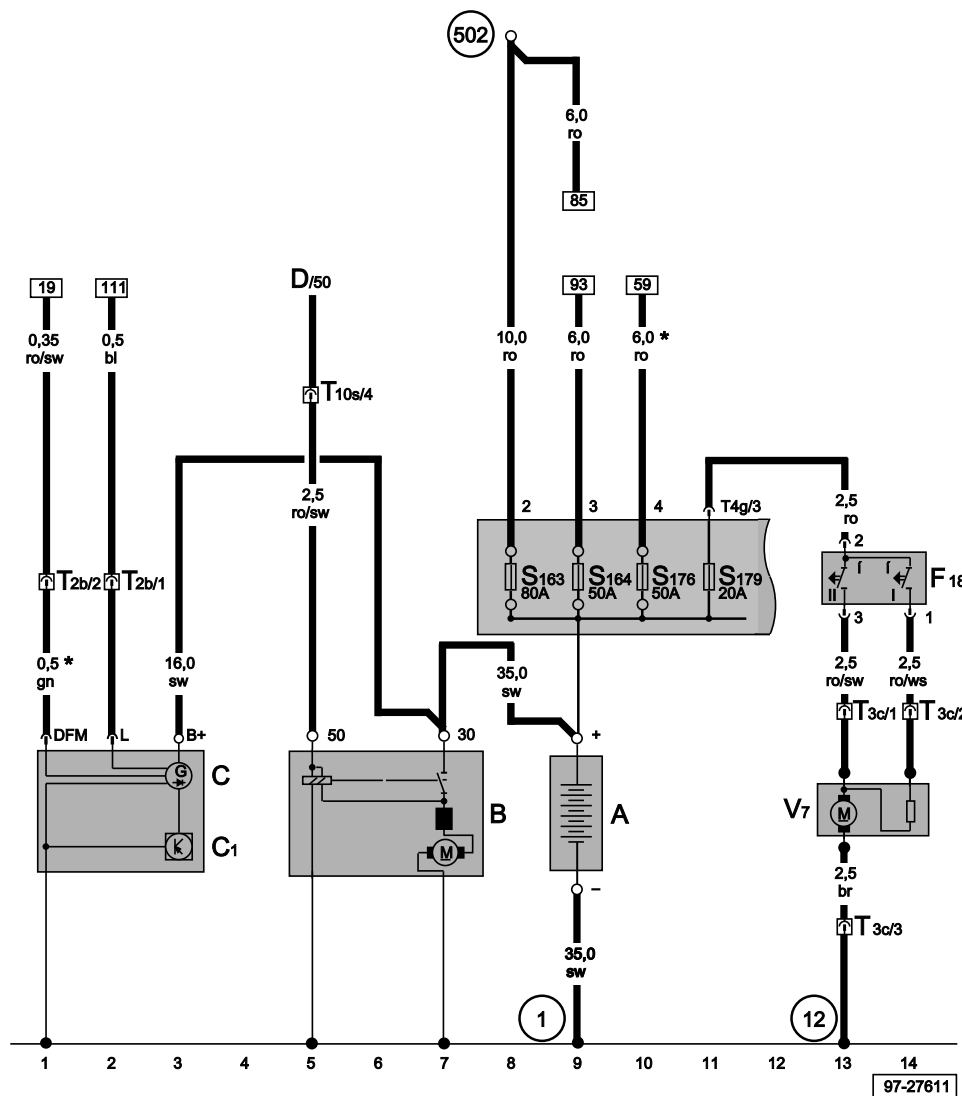
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Battery, starter, alternator, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S163 Fuse -2- (30), in fuse box/battery
- S164 Fuse -3- (30), in fuse box/battery
- S176 Fuse -4- (30), in fuse box/battery
- S179 Fuse -7- (30), in fuse box/battery
- T2b 2-pin connector, black, near alternator
- T3c 3-pin connector, black, on radiator fan
- T4g 4-pin connector, black, on battery fuse box
- T10s 10-pin connector, light green, connector point under relay carrier
- V7 Radiator fan

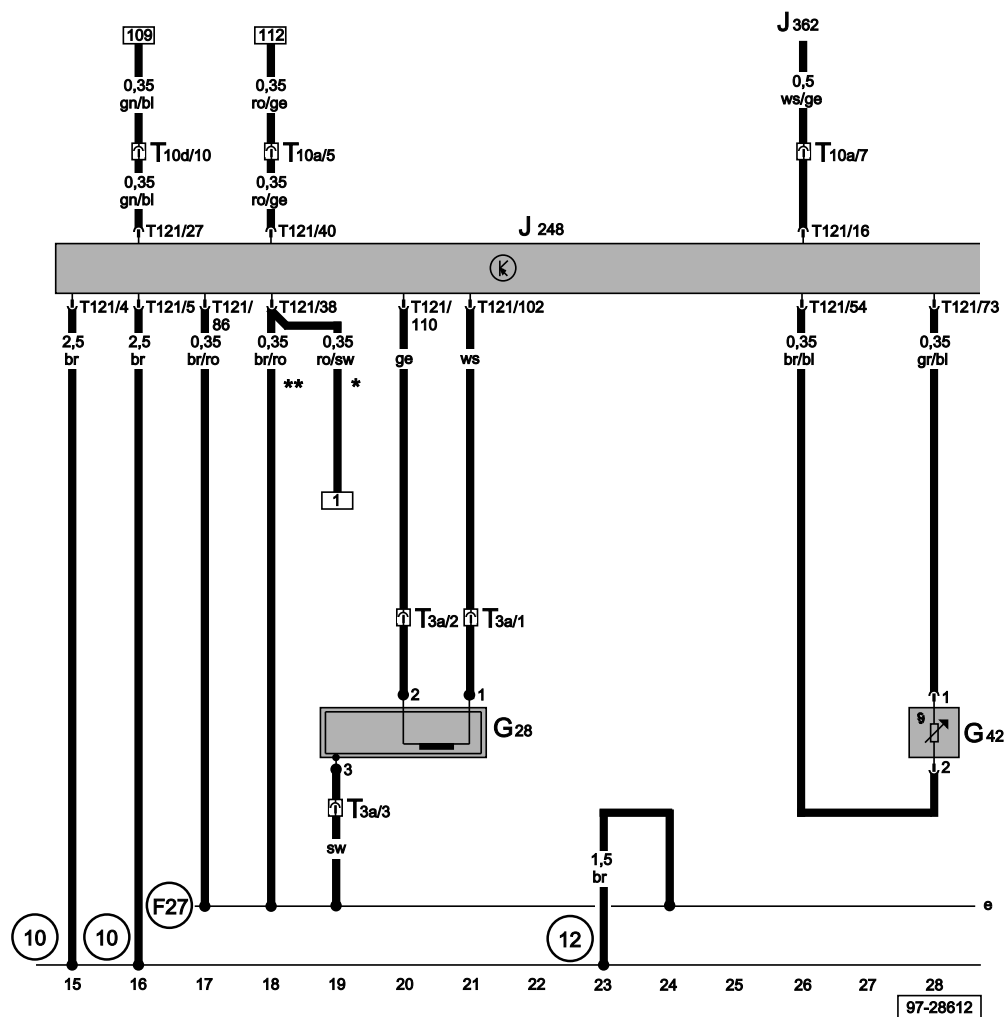
- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 502 Screw connection -3- (30), on relay plate
- * Only coolant heater element

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

Diesel direct injection system control unit, engine speed sender, intake air temperature sender, immobilizer control unit

- G28 Engine speed sender
- G42 Intake air temperature sender
- J248 Diesel direct injection system control unit, in plenum chamber, right
- J362 Immobilizer control unit
- T3a 3-pin connector, black, on cylinder head, left
- T10a 10-pin connector, green, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit

- 10 Earth point, in plenum chamber
- 12 Earth point, in engine compartment, left
- F27 Connection (screening), in diesel direct injection system wiring harness
- * Only coolant heater element
- ** Does not apply to coolant heater element

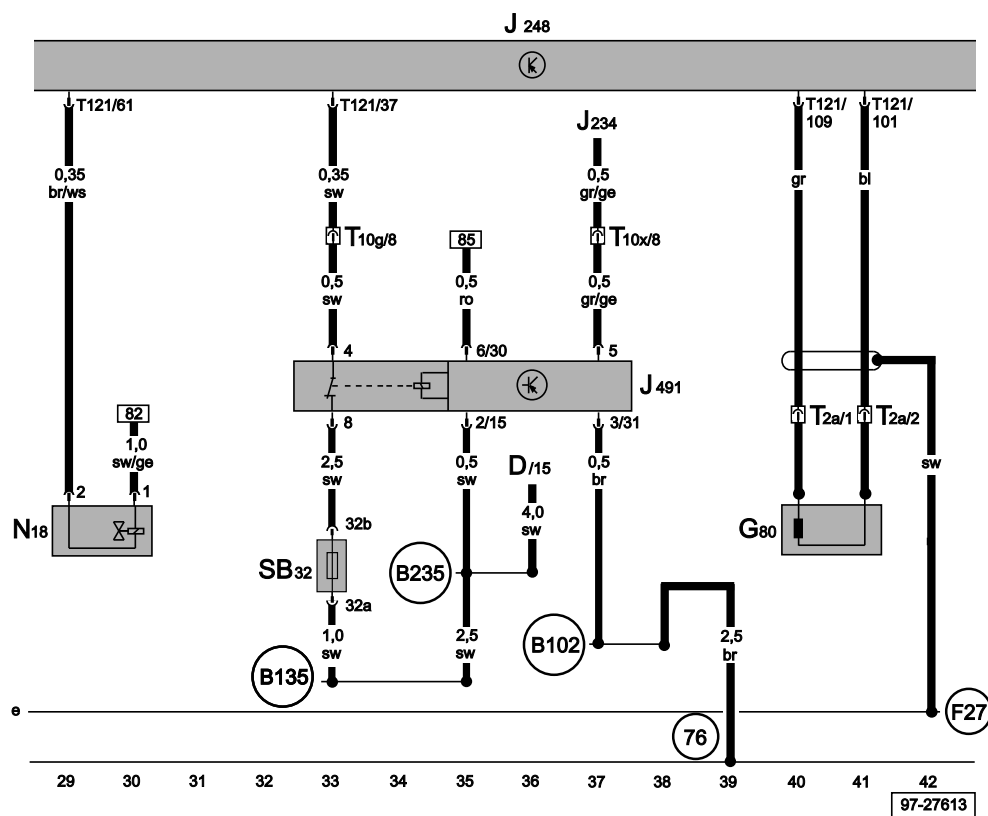


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- gr = grey
- li = purple
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- or = orange
- rs = pink

Diesel direct injection system control unit, needle lift sender, exhaust gas recirculation valve, fuel shut-off control unit (Crash)

- D Ignition/starter switch
- G80 Needle lift sender
- J234 Airbag control unit
- J248 Diesel direct injection system control unit, in plenum chamber, right
- J491 Fuel shut-off control unit (Crash)
- N18 Exhaust gas recirculation valve
- SB32 Fuse -32- in relay plate fuse box
- T2a 2-pin connector, brown, on cylinder head, left, near injection pump
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit

- 76 Earth point, near selector mechanism
- B102 Earth connection, in front left interior wiring harness
- B135 Connection -1- (15a), in interior wiring harness
- B235 Positive (+) connection -4- (15a), in interior wiring harness
- F27 Connection (screening), in diesel direct injection system wiring harness

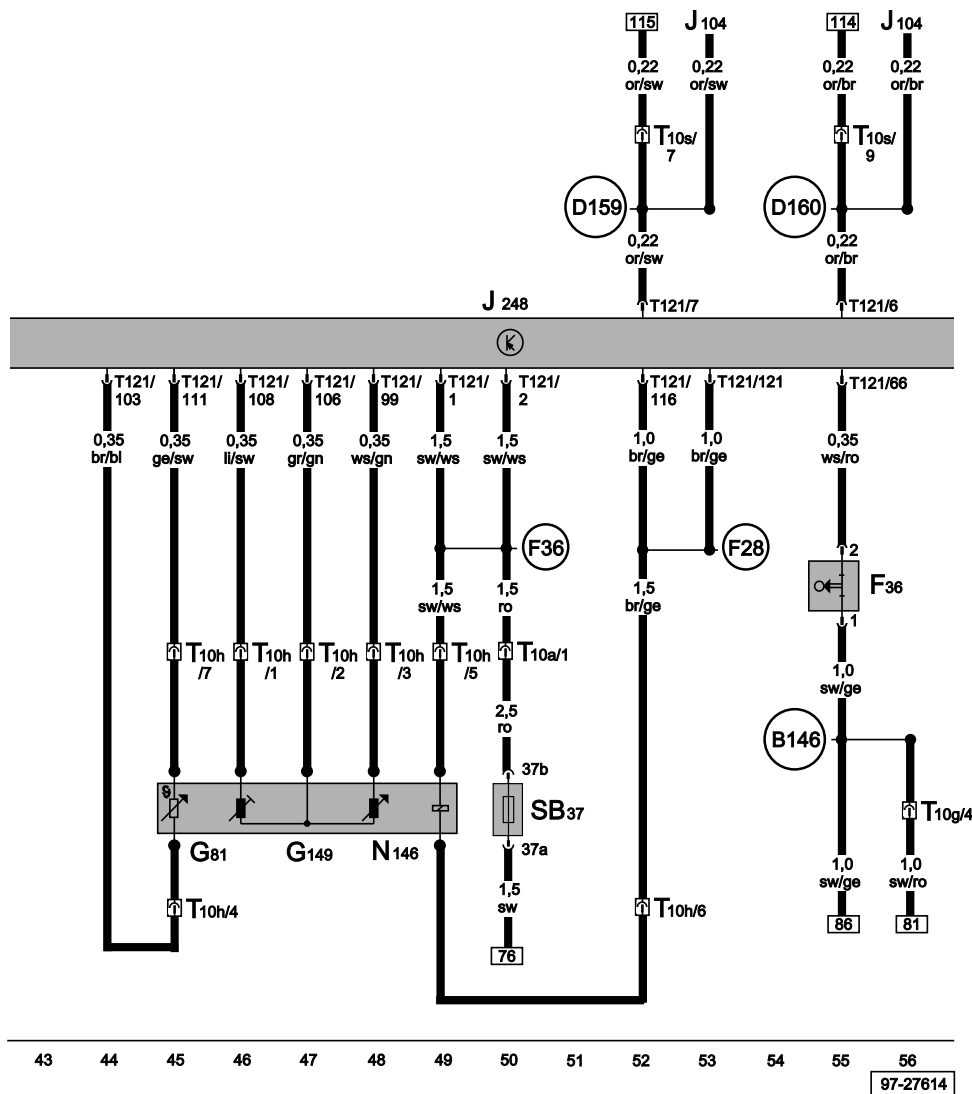


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- li = purple
- ge = yellow
- or = orange
- rs = pink

Diesel direct injection system control unit, metering adjuster, fuel temperature sender, modulating piston movement sender, clutch pedal switch

- F36 Clutch pedal switch
- G81 Fuel temperature sender
- G149 Modulating piston movement sender
- J104 ABS/ABS with EDL control unit
- J248 Diesel direct injection system control unit, in plenum chamber, right
- N146 Metering adjuster
- SB37 Fuse -37- in relay plate fuse box
- T10a 10-pin connector, green, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10h 10-pin connector, black, on cylinder head, left
- T10s 10-pin connector, grey, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit

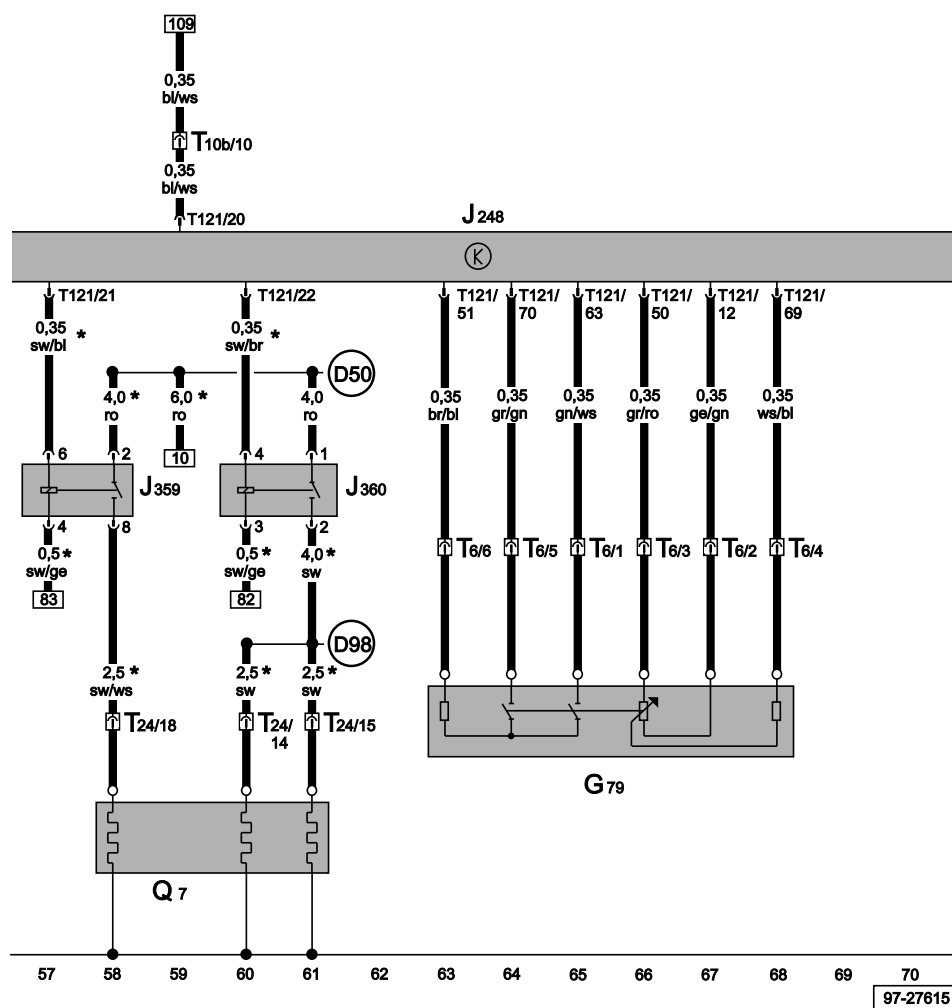
- B146 Positive (+) connection -1- (87), in interior wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness
- F28 Connection -3-, in diesel direct injection system wiring harness
- F36 Connection (87a), in diesel direct injection wiring harness



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rs = pink

Diesel direct injection system control unit, accelerator pedal position sender, low heat output relay, high heat output relay, coolant heating elements

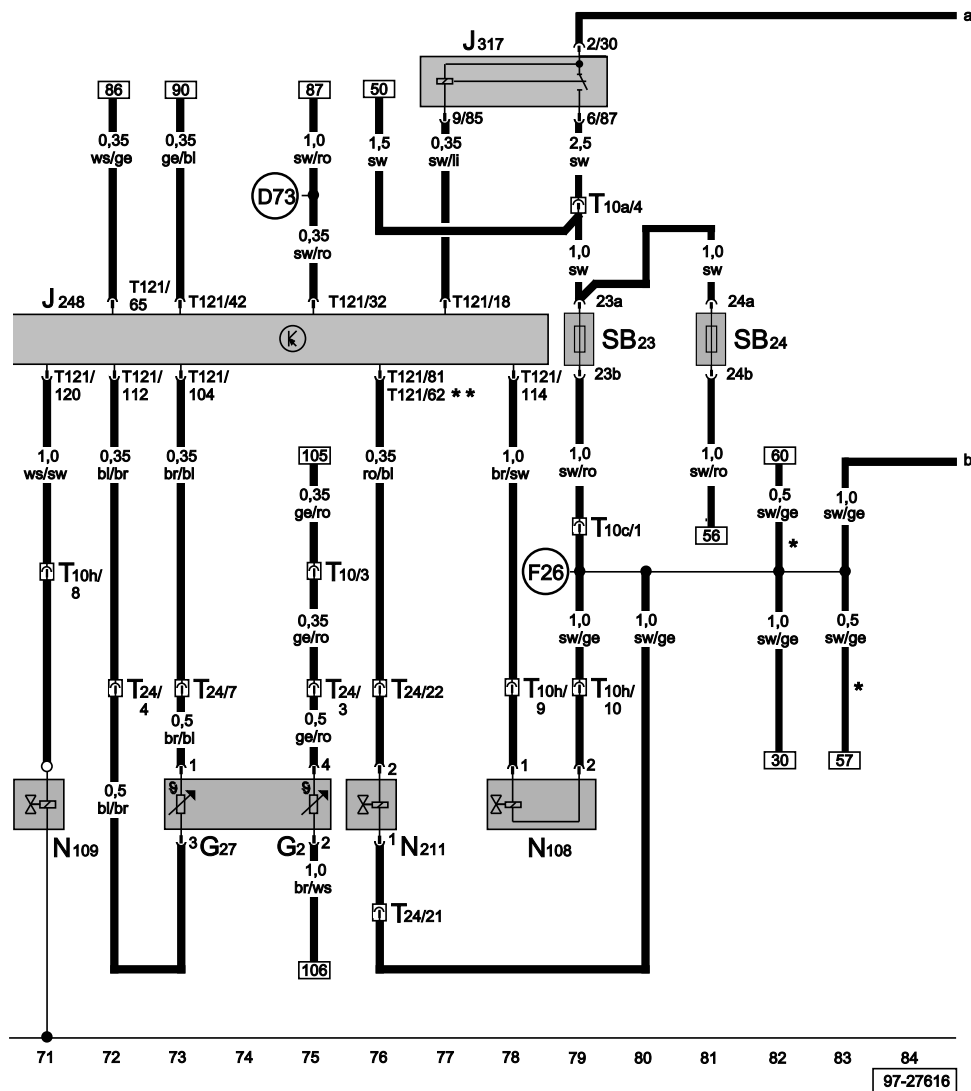
- G79 Accelerator pedal position sender
- J248 Diesel direct injection system control unit, in plenum chamber, right
- J359 Low heat output relay
- J360 High heat output relay
- Q7 Coolant heating elements
- T6 6-pin connector, black, in footwell, front left
- T10b 10-pin connector, black, connector point under relay carrier
- T24 24-pin connector, black, on cylinder head, left
- T121 121-pin connector, on diesel direct injection system control unit
- D50 Positive (+) connection (30), in engine compartment wiring harness
- D98 Connection (glow plugs), in engine compartment wiring harness
- * Only coolant heater element



Diesel direct injection system control unit, engine and coolant temperature sender, fuel shut-off valve, voltage supply relay, commencement of injection valve, throttle butterfly valve

- G2 Coolant temperature sender
- G27 Engine temperature sender
- J248 Diesel direct injection system control unit, in plenum chamber, right
- J317 Terminal 30 voltage supply relay
- N108 Commencement of injection valve
- N109 Fuel shut-off valve
- N211 Throttle butterfly valve
- SB23 Fuse -23- in relay plate fuse box
- SB24 Fuse -24- in relay plate fuse box
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T10h 10-pin connector, black, near injection pump
- T24 24-pin connector, black, on cylinder head, left
- T121 121-pin connector, on diesel direct injection system control unit

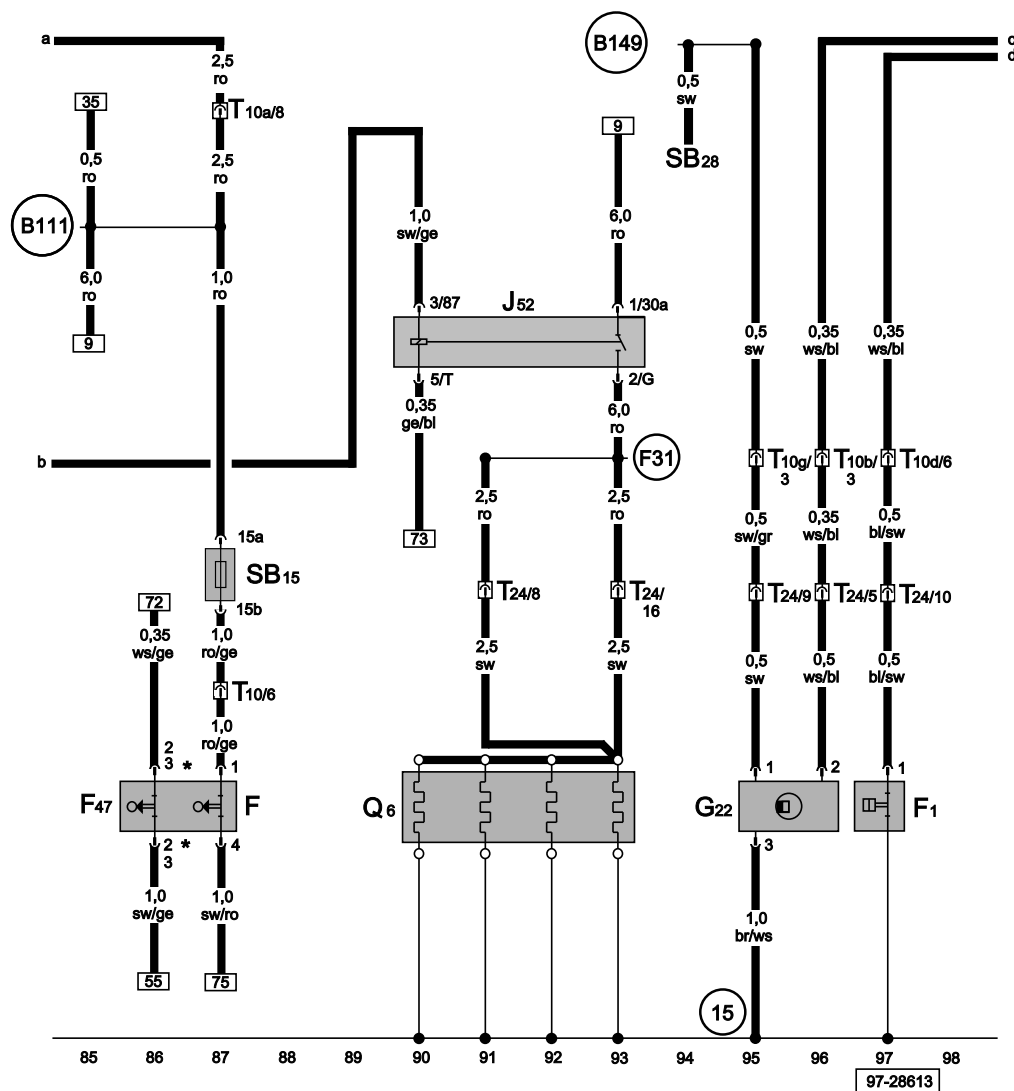
- D73 Positive (+) connection (54), in engine compartment wiring harness
- F26 Connection -2-, in diesel direct injection system wiring harness
- * Only coolant heater element
- ** Only engine codes ASX



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

Brake light switch, speedometer sender, glow plugs - (engine), glow plug relay (engine), oil pressure switch, brake pedal switch

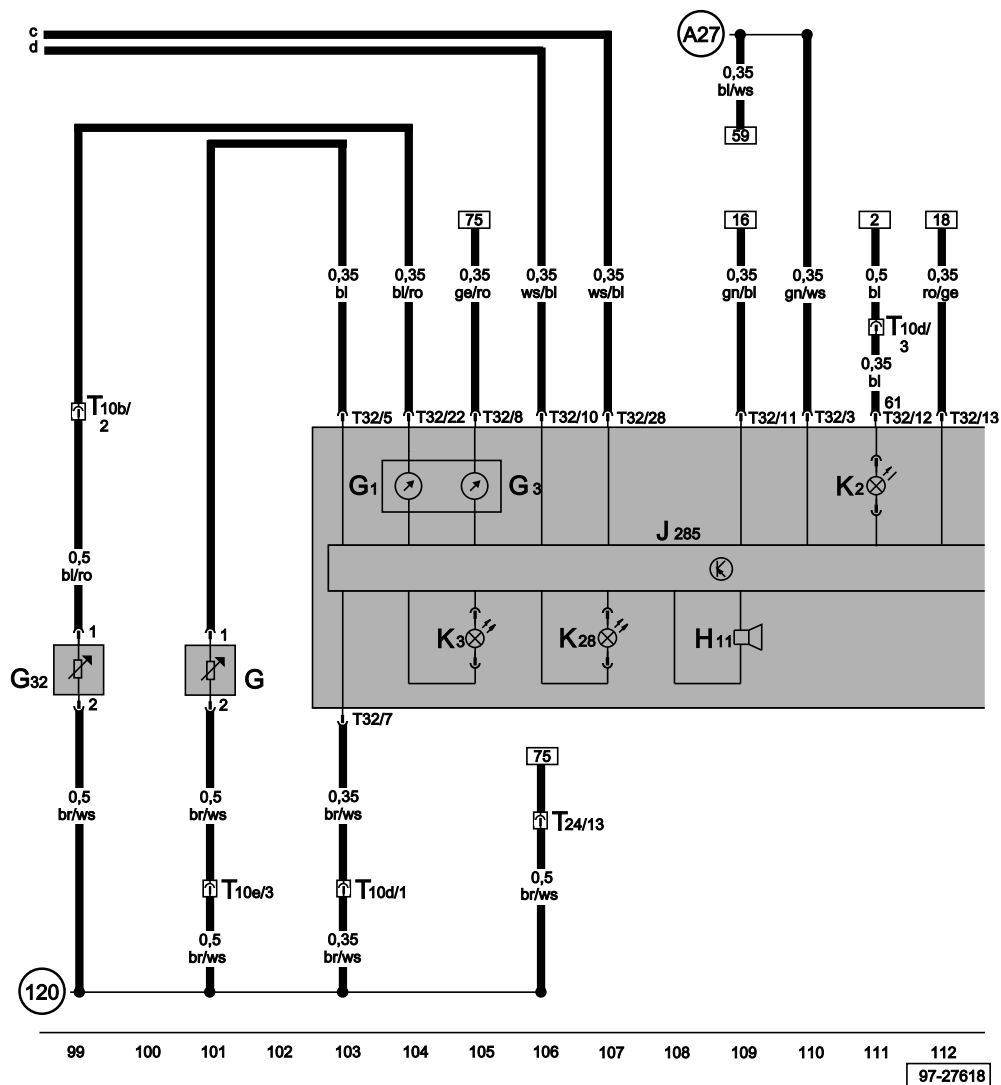
- F Brake light switch
- F1 Oil pressure switch
- F47 Cruise control system brake pedal switch/diesel direct inj. system
- G22 Speedometer sender (Hall sender, on gearbox)
- J52 Glow plug relay
- Q6 Glow plugs - (engine)
- SB15 Fuse -15- in relay plate fuse box
- SB28 Fuse -28- in relay plate fuse box
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T24 24-pin connector, black, on cylinder head, left
- 15 Earth point, on cylinder head
- B111 Positive (+) connection -1- (30a), in interior wiring harness
- B149 Positive (+) connection -2- (15a), in interior wiring harness
- F31 Connection (glow plugs - engine), in diesel direct injection system wiring harness
- * Only engine codes ASX



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

Dash panel insert, fuel gauge, coolant shortage and coolant temperature indicator, optical and acoustical oil pressure warning

- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G32 Coolant shortage indicator sender
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10b 10-pin connector, black, connector point under relay carrier
- T10e 10-pin connector, light pink, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T24 24-pin connector, black, on cylinder head, left
- T32 32-pin connector, on dash panel insert
- 120 Earth connection -2-, in headlight wiring harness
- A27 Connection (speed signal), in dash panel wiring harness



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

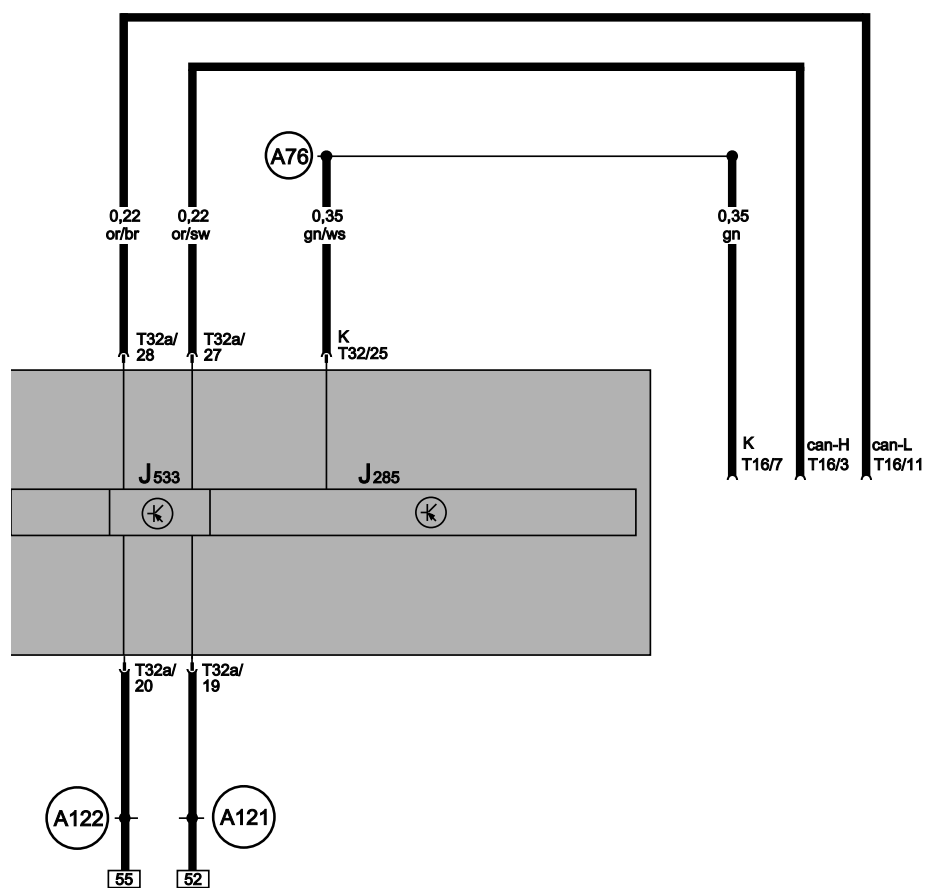
Dash panel insert, self-diagnosis connection, data bus diagnostic interface

- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, green, on dash panel insert
- T32a 32-pin connector, blue, on dash panel insert

A76 Connection (diagnosis wire K), in dash panel wiring harness

A121 Connection (high bus), in dash panel wiring harness

A122 Connection (low bus), in dash panel wiring harness

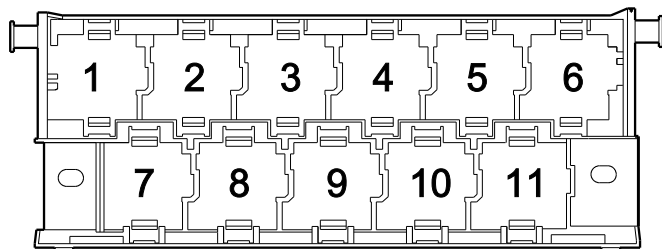


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

1.4 ltr./55 kW - Turbo diesel engine with unit injectors, engine codes AMF

From October 1999

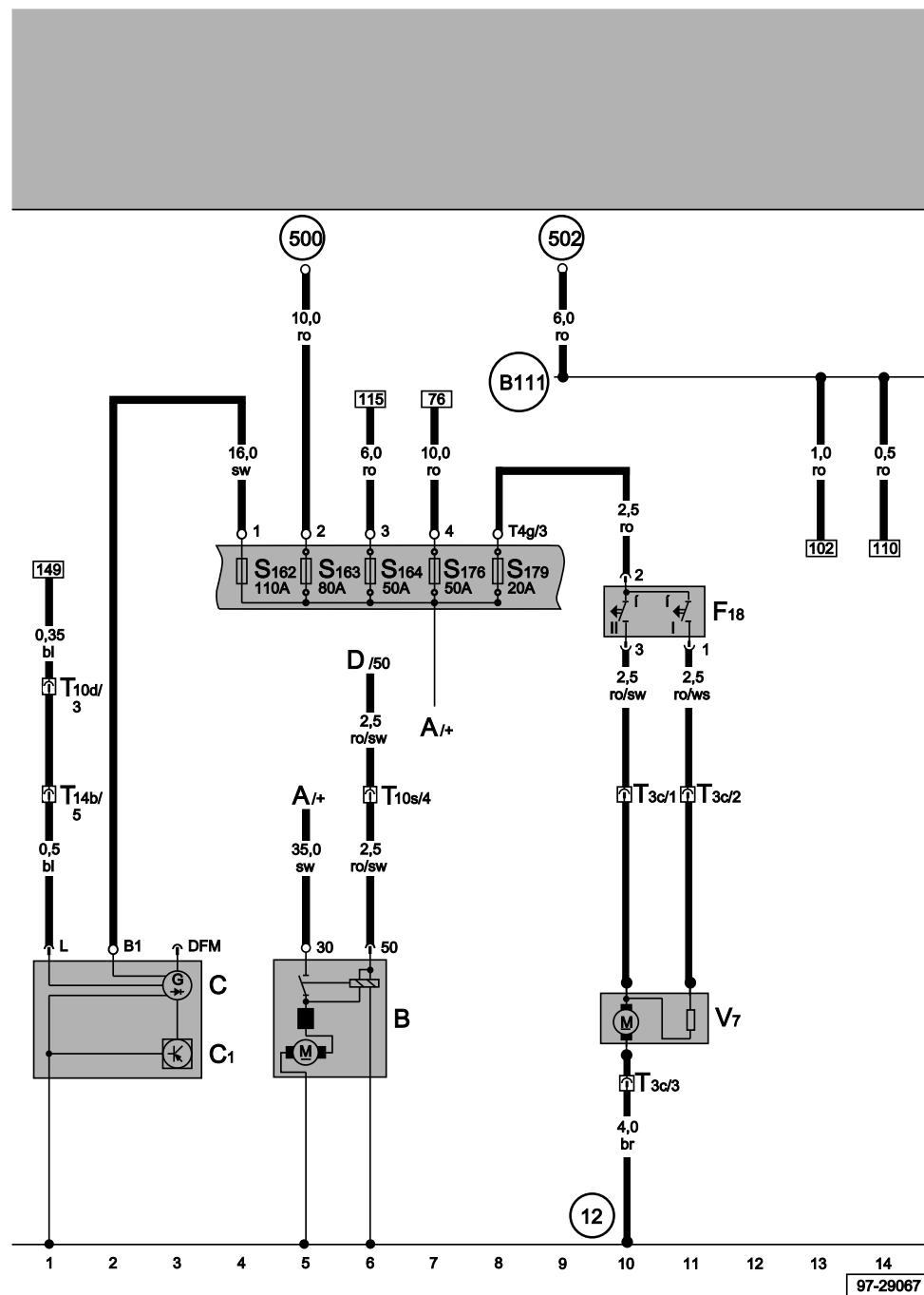
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Alternator, voltage regulator, starter

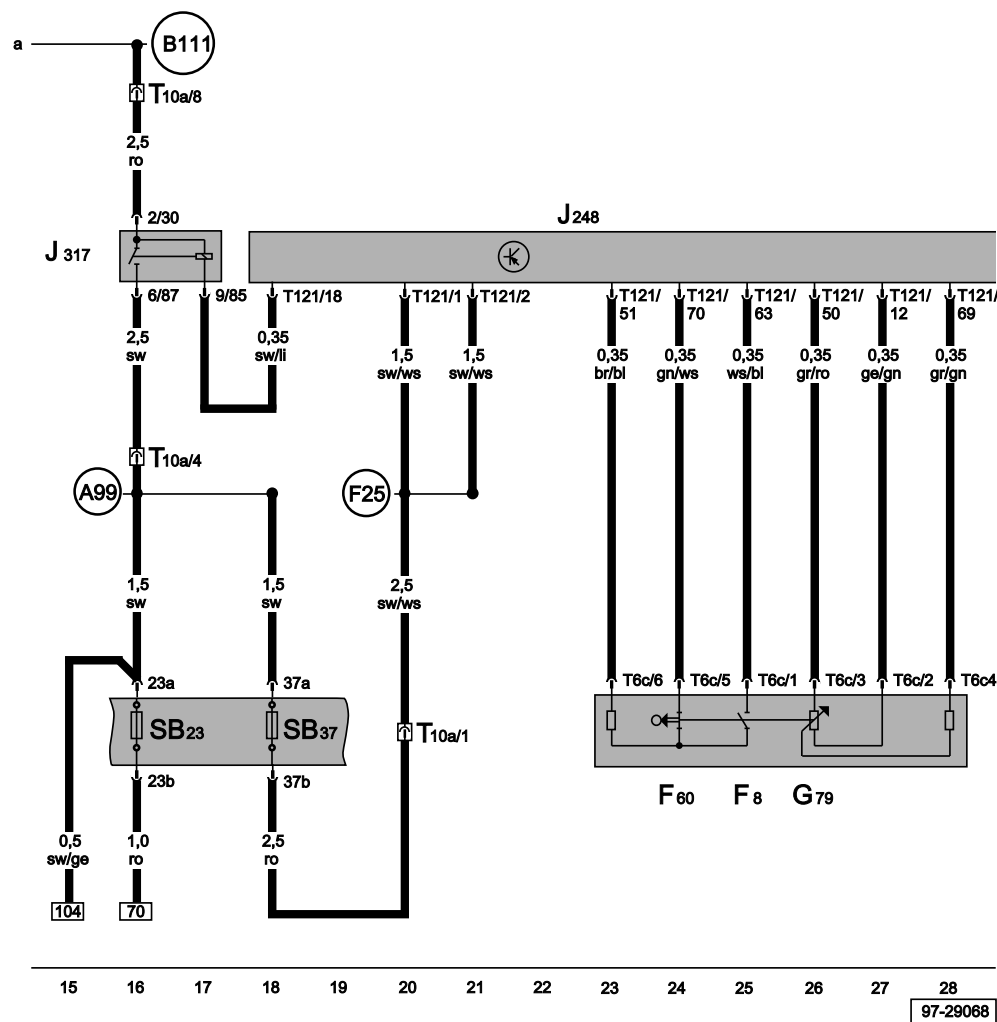
- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S164 Fuse -3- (30), in fuse box/battery
- S176 Fuse -4- (30), in battery fuse box
- S179 Fuse -7- (30), in battery fuse box
- T3c 3-pin connector, black, on radiator fan
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- V7 Radiator fan
- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate
- 502 Screw connection -1- (30a), on relay plate
- B111 Positive (+) connection -1- (30a), in interior wiring harness

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

Diesel direct injection system control unit, voltage supply relay, kick-down switch, idling switch, accelerator pedal position sender

- F8 Kick-down switch
- F60 Idling switch
- G79 Accelerator pedal position sender
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J317 Terminal 30 voltage supply relay, on relay carrier
- SB23 Fuse -23- in fuse box
- SB37 Fuse -37- in fuse box
- T6c 6-pin connector, on left under dash panel
- T10a 10-pin connector, green, connector point under relay carrier
- T121 121-pin connector

- A99 Connection -1- (87), in dash panel wiring harness
- B111 Positive (+) connection -1- (30a), in interior wiring harness
- F25 Connection (1), in diesel direct injection wiring harness



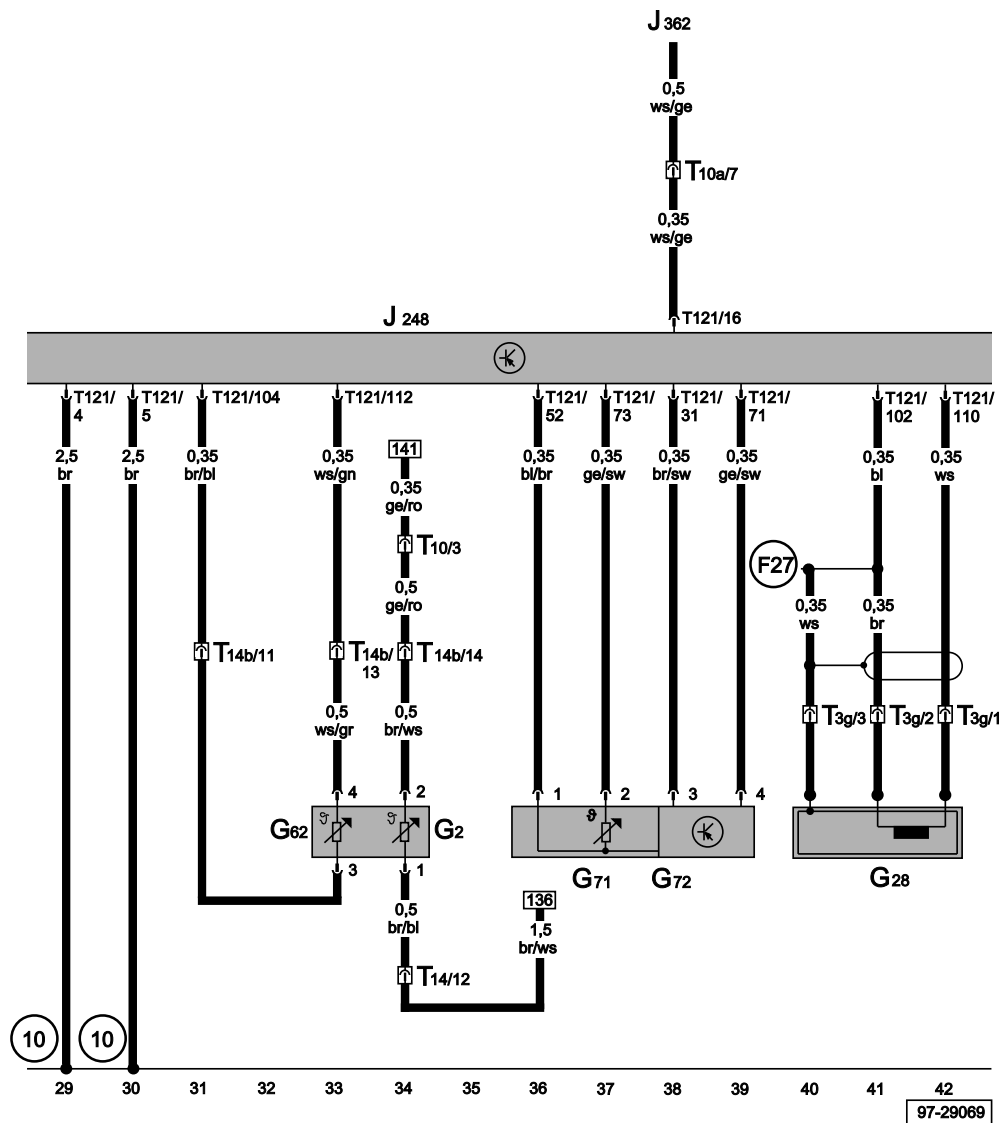
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Diesel direct injection system control unit, coolant temperature sender, intake manifold pressure sender, intake manifold temperature sender, engine speed sender

- G2 Coolant temperature sender
- G28 Engine speed sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G72 Intake manifold temperature sender
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J362 Immobilizer control unit, behind dash panel, left
- T3g 3-pin connector, on engine front
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T14 14-pin connector, in cable channel left in engine compartment
- T14b 14-pin connector, in engine compartment, left
- T121 121-pin connector

10 Earth point, in plenum chamber

F27 Connection (screening), in diesel direct injection system wiring harness



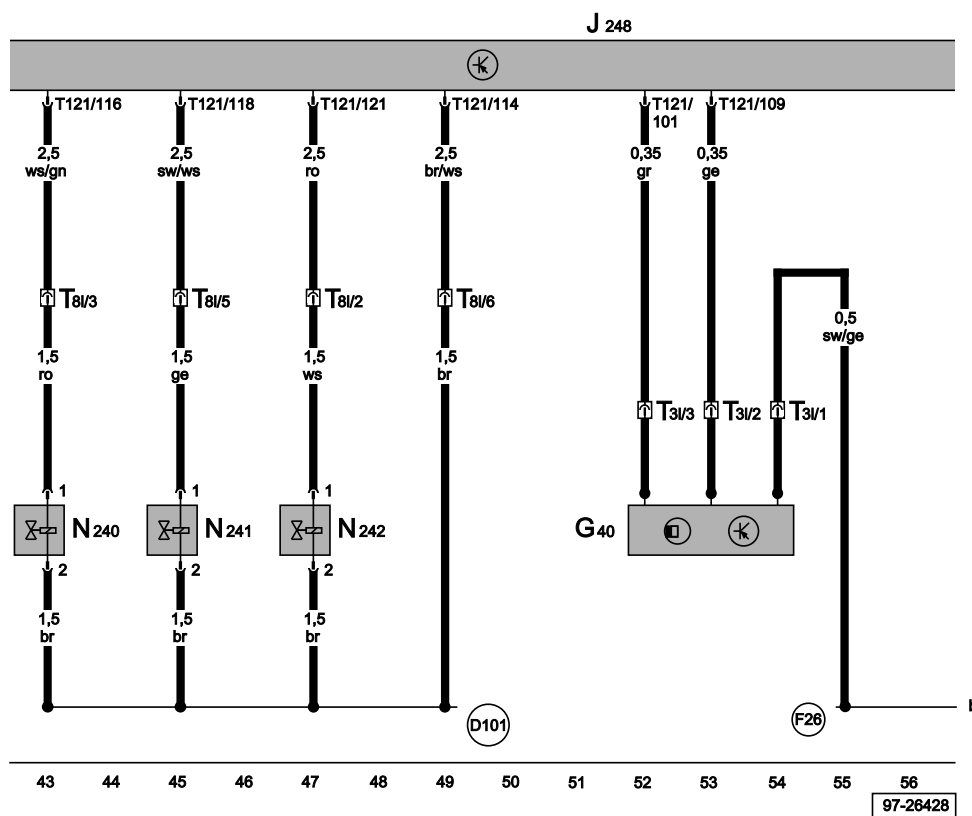
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Diesel direct injection system control unit, valve for unit injector, Hall sender (for camshaft position)

- G40 Hall sender (for camshaft position)
- J248 Diesel direct injection system control unit, left in engine compartment
- N240 Unit injector solenoid valve, No. 1 cyl.
- N241 Unit injector solenoid valve, No. 2 cyl.
- N242 Unit injector solenoid valve, No. 3 cyl.
- T31 3-pin connector, on front of engine
- T81 8-pin connector, left in engine compartment
- T121 121-pin connector

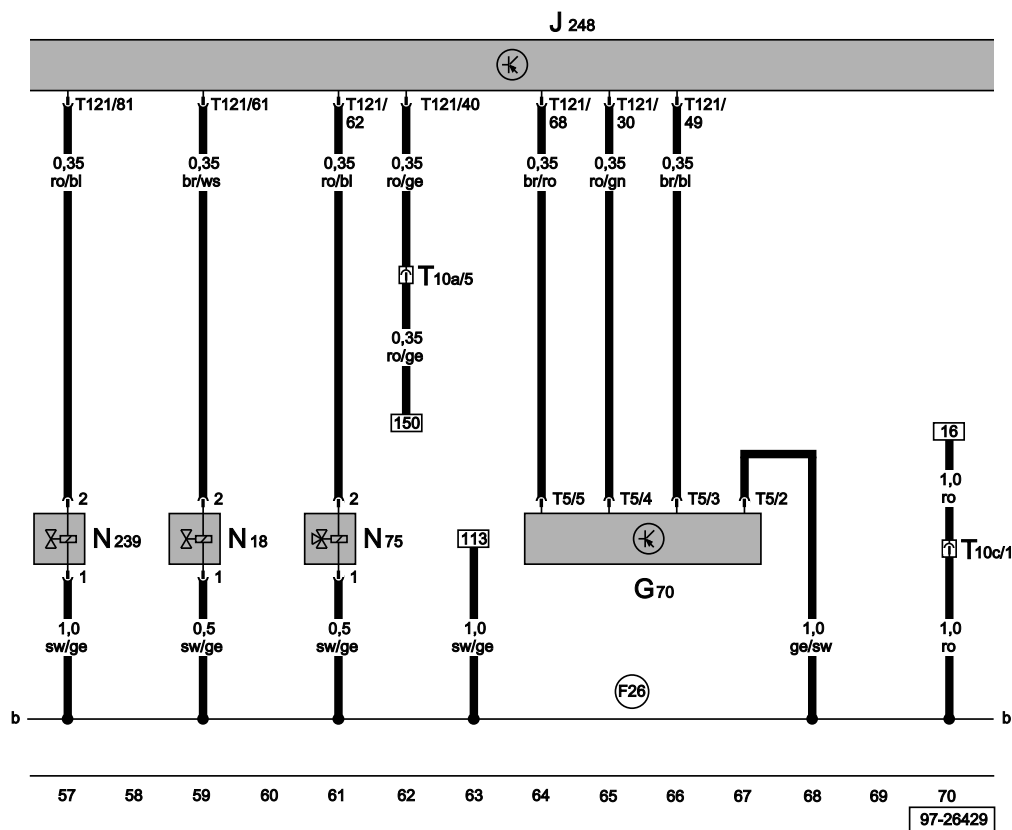
(D101) Connection -1-, in engine compartment wiring harness

(F26) Connection -2-, in diesel direct injection system wiring harness



Diesel direct injection system control unit, air mass meter, change-over valve for intake manifold flap, exhaust gas recirculation valve, charge pressure control solenoid valve

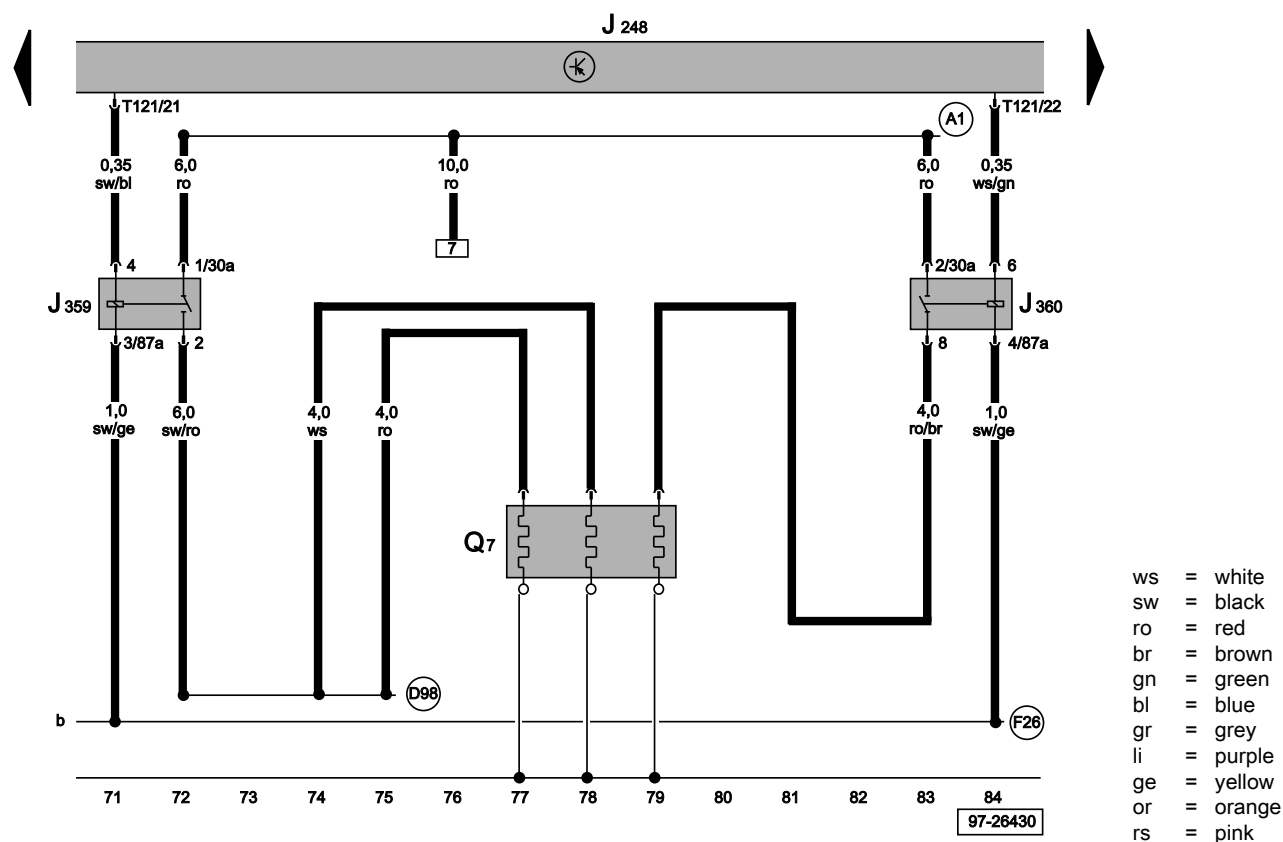
- G70 Air mass meter
- J248 Diesel direct injection system control unit, left in engine compartment
- N18 Exhaust gas recirculation valve
- N75 Charge pressure control solenoid valve
- N239 Intake manifold flap change-over valve
- T5 5-pin connector
- T10a 10-pin connector, green, coupling station below relay carrier
- T10c 10-pin connector, blue, coupling station under relay carrier
- T121 121-pin connector
- F26 Connection -2-, in diesel direct injection system wiring harness



Diesel direct injection system control unit, coolant heater element, high and low heat output relay

- J248 Diesel direct injection system control unit, in engine compartment, left
- J359 Low heat output relay, on relay carrier
- J360 High heat output relay, on relay carrier
- Q7 Coolant heating elements
- T121 121-pin connector

- A1 Positive (+) connection (30a), in dash panel wiring harness
- D98 Connection (glow plugs), in engine compartment wiring harness
- F26 Connection -2-, in diesel direct injection system wiring harness

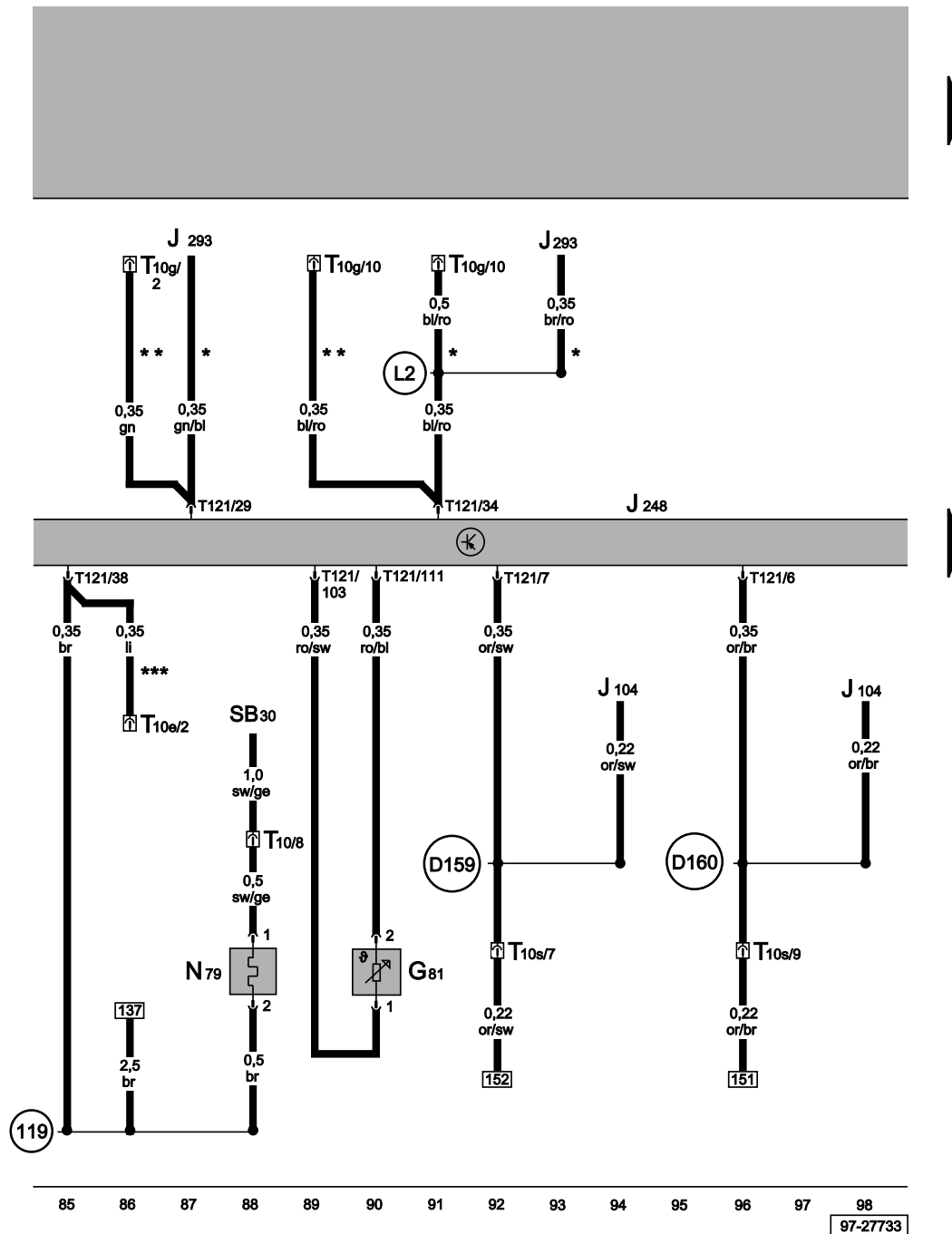


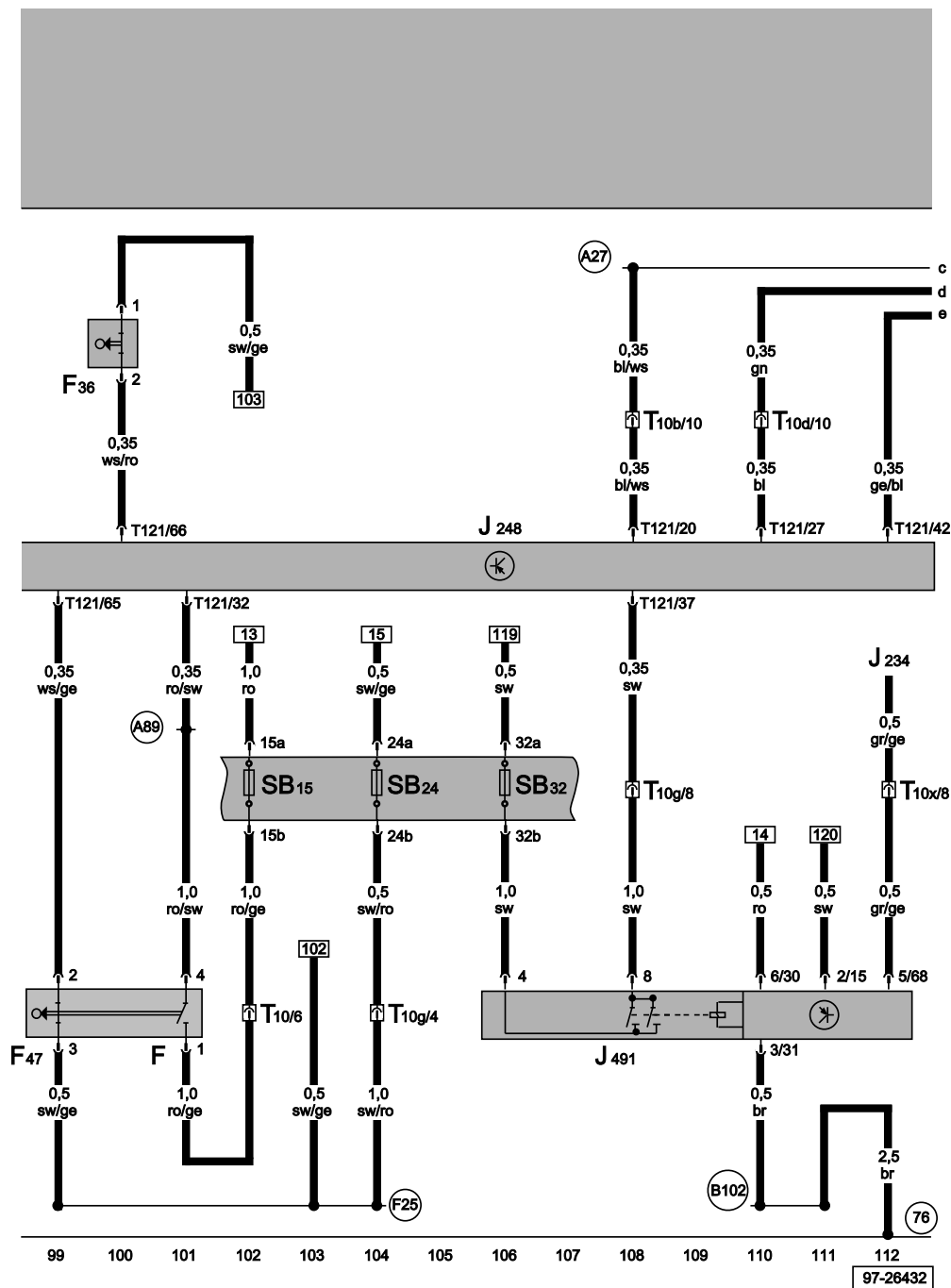
Diesel direct injection system control unit, fuel temperature sender, heater element (crankcase breather)

- G81 Fuel temperature sender
- J104 ABS/ABS with EDL control unit
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J293 Radiator fan control unit
- N79 Heater element (crankcase breather)
- SB30 Fuse -30- in relay plate fuse box
- T10 10-pin connector, white, connector point under relay carrier
- T10e 10-pin connector, light pink, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T121 121-pin connector

- 119 Earth connection -1-, in headlight wiring harness
- D159 Connection (high bus), in dash panel wiring harness
- D160 Connection (low bus), in dash panel wiring harness
- L2 Connection, in air conditioner wiring harness
- * Only models with manual control air conditioner
- ** Only models with Climatronic
- *** Only models with electronic air type additional heater

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

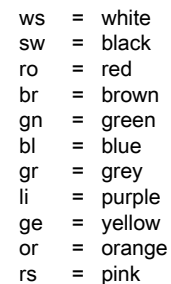




Diesel direct injection system control unit, brake pedal switch for diesel direct injection system, brake light switch, clutch pedal switch

- F Brake light switch
- F36 Clutch pedal switch
- F47 Cruise cont. sys. brake pedal switch (diesel direct inj. system)
- J234 Airbag control unit
- J248 Diesel direct injection system control unit, left in engine compartment
- J491 Control unit for fuel shut-off (Crash)
- SB15 Fuse -15- on fuse holder
- SB24 Fuse -24- on fuse holder
- SB32 Fuse -32- on fuse holder
- T10 10-pin connector, white, coupling station below relay carrier
- T10b 10-pin connector, black, coupling station below relay carrier
- T10d 10-pin connector, red, coupling station below relay carrier
- T10g 10-pin connector, brown, coupling station below relay carrier
- T10x 10-pin connector, yellow, coupling station below relay carrier
- T121 121-pin connector
- 76 Earth point, near selector mechanism
- A27 Connection (speed signal), in dash panel wiring harness
- A89 Connection -2- (54), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- F25 Connection -1-, in diesel direct injection system wiring harness

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



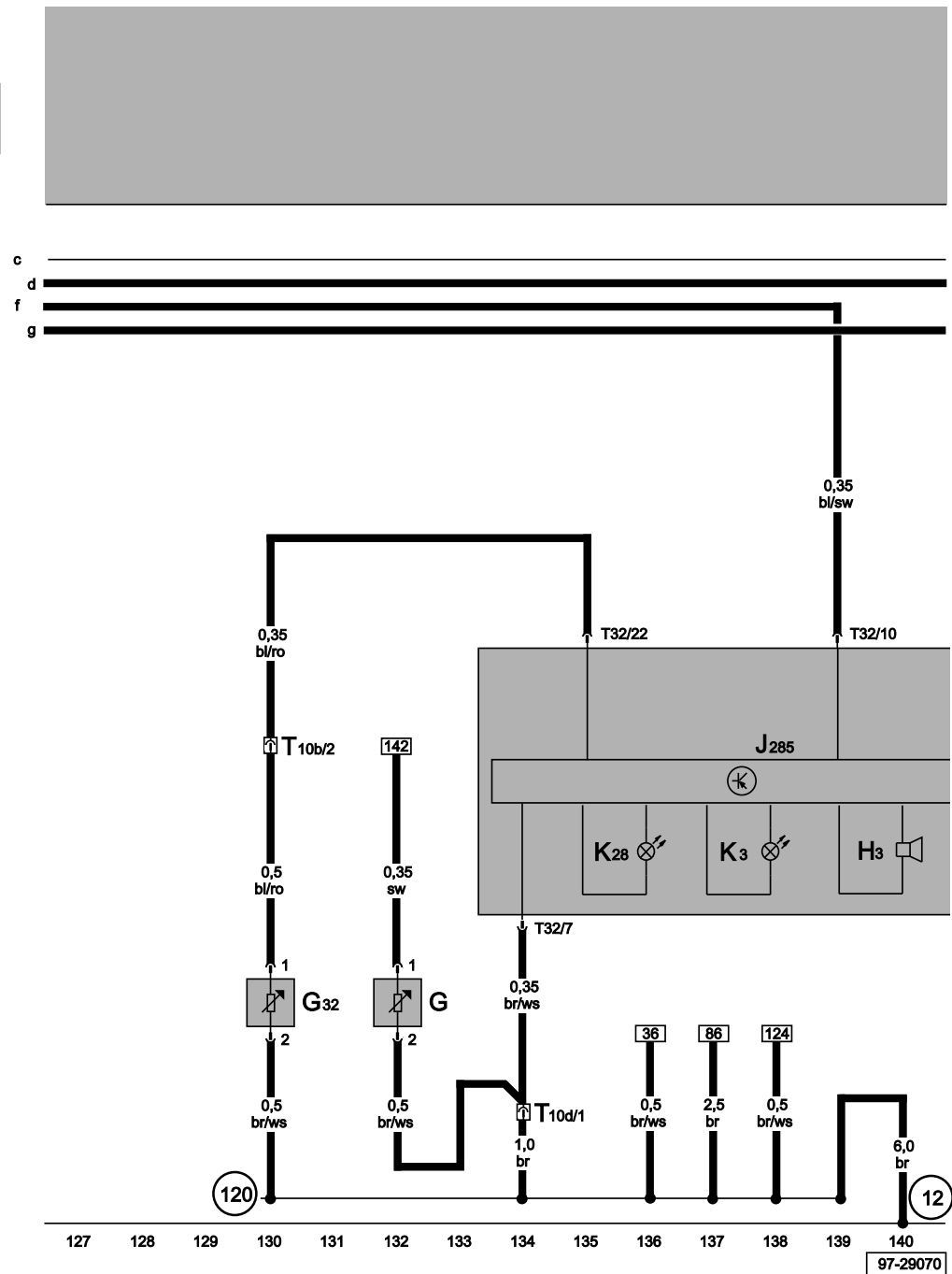
D	Ignition/starter switch
F1	Oil pressure switch
G22	Speedometer sender (Hall sender on gearbox)
J52	Glow plug relay, on relay carrier
Q6	Glow plugs - (engine)
SB28	Fuse -28- on fuse holder
SB29	Fuse -29- on fuse holder
T10b	10-pin connector, black, coupling station below relay carrier
T10d	10-pin connector, red, coupling station below relay carrier
T10g	10-pin connector, brown, coupling station below relay carrier
T14b	14-pin connector, left in engine compartment
B135	Connection -1- (15a), in interior wiring harness
B149	Positive connection -2- (15a), in wiring harness

Dash panel insert, fuel gauge sender, coolant temperature/ coolant shortage warning lamp, optical and acoustical oil pressure warning

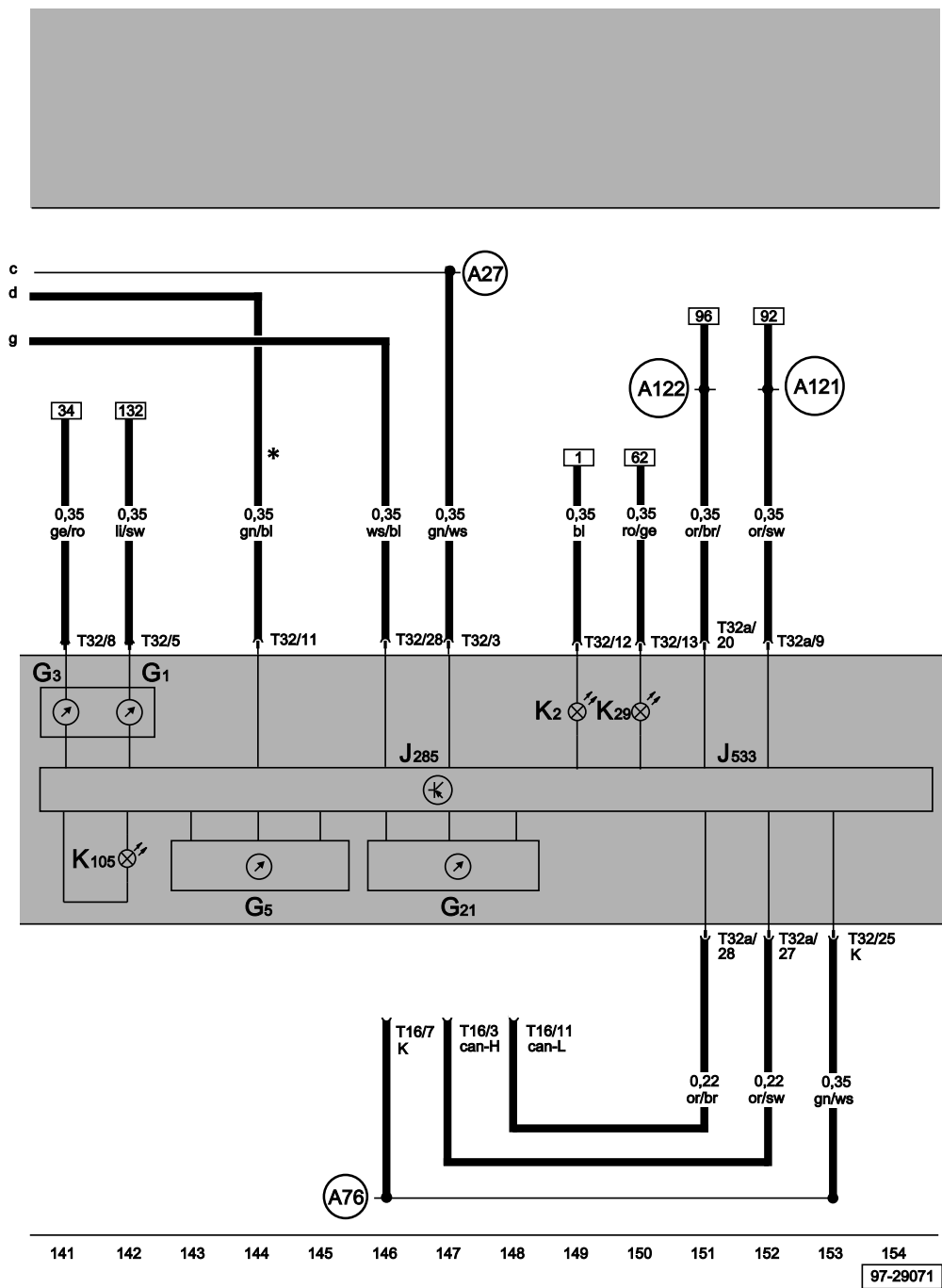
- G Fuel gauge sender
- G32 Coolant shortage indicator sender
- H3 Warning buzzer
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T32 32-pin connector, blue, on dash panel insert

12 Earth point, in engine compartment, left

120 Earth connection -2-, in headlight wiring harness



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



Dash panel insert, coolant temperature gauge, fuel gauge, rev. counter, speedometer, alternator warning lamp, self-diagnosis connection

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface, in dash panel insert
- K2 Alternator warning lamp
- K29 Glow period warning lamp
- K105 Reserve fuel warning lamp
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, blue, on dash panel insert
- T32a 32-pin connector, green, on dash panel insert

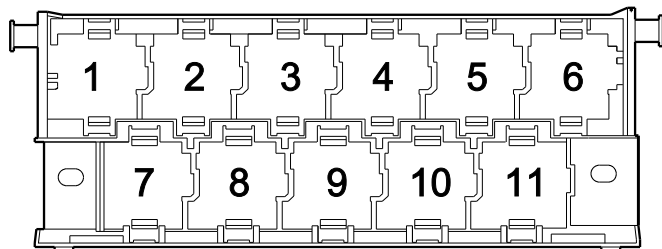
- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness
- * Engine speed signal from engine control unit

⇒ 1.4 l/55 kW - 4CV, engine codes AHW

⇒ 1.4 l/74 kW - 4CV, engine codes AFK

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

30 A - green

25 A - white

20 A - yellow

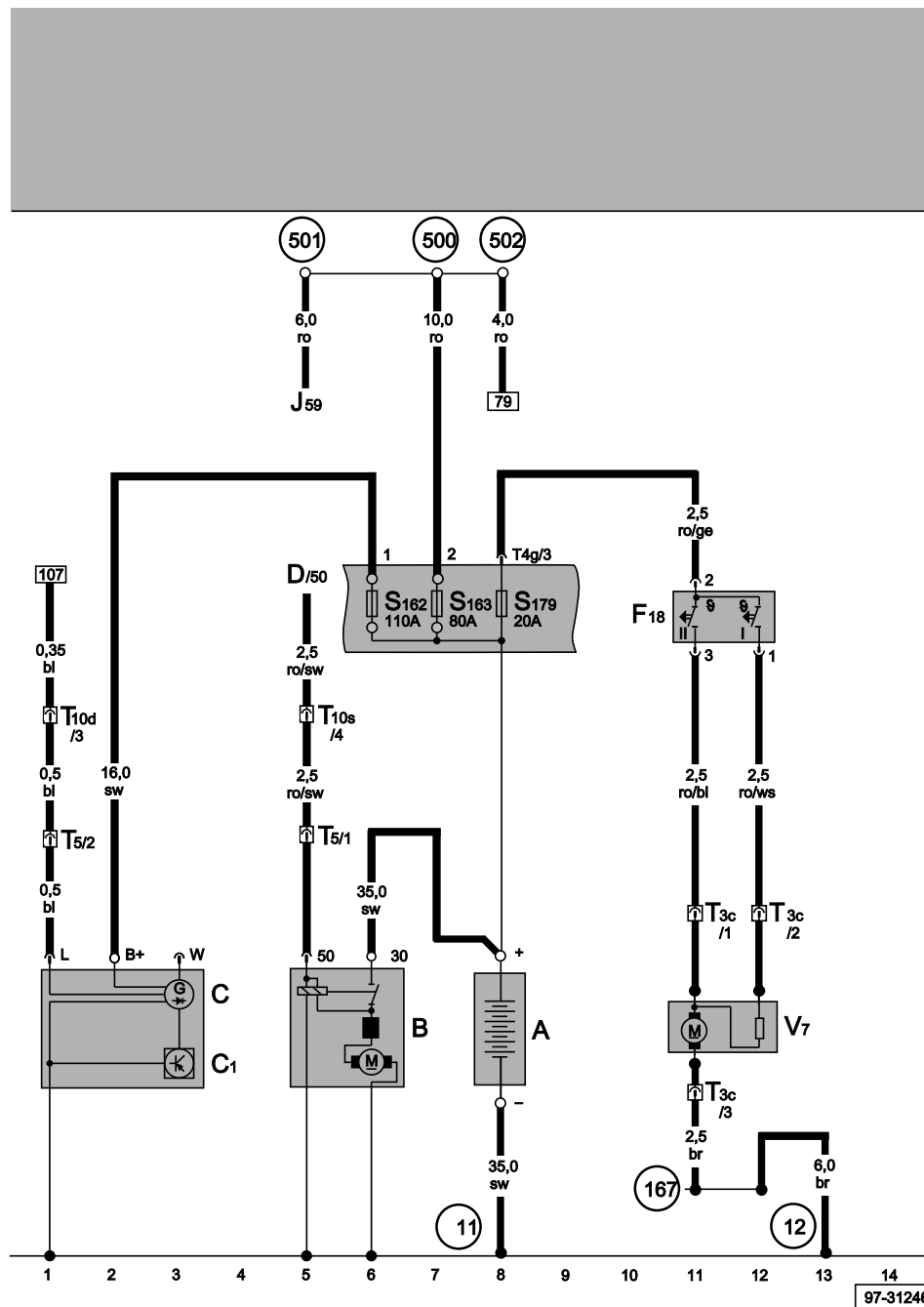
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - purple



Battery, alternator, voltage regulator, starter, radiator fan thermo-switch, radiator fan

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- J59 X contact relief relay
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S179 Fuse -7- (30), in fuse box/battery
- T3c 3-pin connector
- T4g 4-pin connector, black
- T5 5-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 167 Earth connection -4-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- 501 Screw connection -2- (30), on relay plate
- 502 Screw connection -3- (30), on relay plate

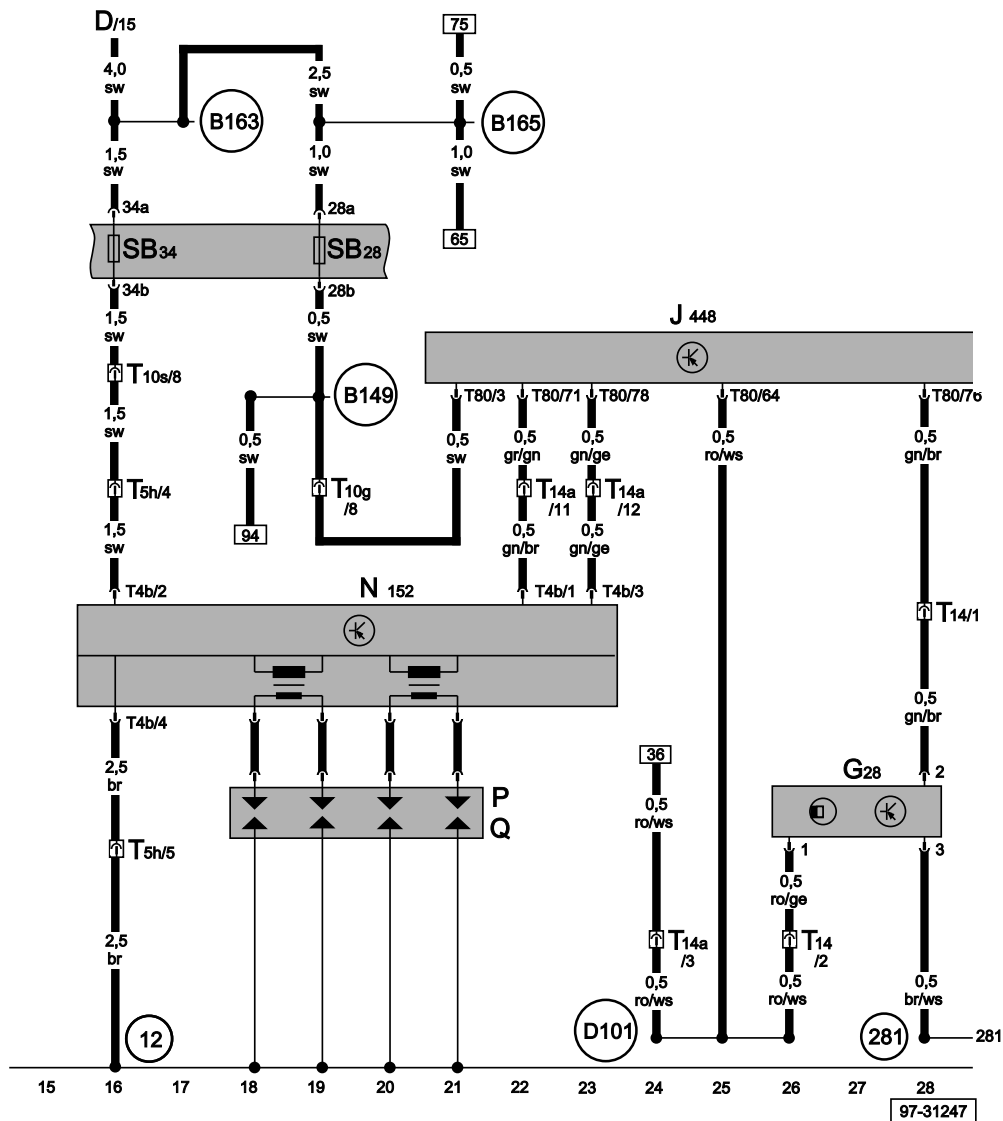
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

4CV control unit (injection system), engine speed sender, spark plug connector, spark plugs, ignition transformer

- D Ignition/starter switch
- G28 Engine speed sender
- J448 4CV control unit (injection system), in plenum chamber, centre
- N152 Ignition transformer
- P Spark plug connector
- Q Spark plugs
- SB28 Fuse -28- in fuse box
- SB34 Fuse -34- in fuse box
- T4b 4-pin connector, black
- T5h 5-pin connector, black, on cylinder head, left
- T10g 10-pin connector, brown, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector

- 12 Earth point, in engine compartment, left
- 281 Earth connection -1-, in engine prewiring wiring harness
- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness
- B149 Positive (+) connection -2- (15a), in interior wiring harness
- D101 Connection -1-, in engine wiring harness

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



4CV control unit (injection system), throttle valve control unit, intake manifold pressure sender, intake manifold temperature sender

- F60 Idling switch
- G42 Intake air temperature sender
- G65 High pressure sender
- G69 Throttle valve potentiometer
- G71 Intake manifold pressure sender
- G88 Throttle valve positioner potentiometer
- J255 Climatronic control unit
- J293 Radiator fan control unit
- J338 Throttle valve control unit
- J448 4CV control unit (injection system)
- T8h 8-pin connector, black
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector
- V60 Throttle valve positioner

85 Earth connection -1-, in engine compartment wiring harness

281 Earth connection -1-, in engine prewiring wiring harness

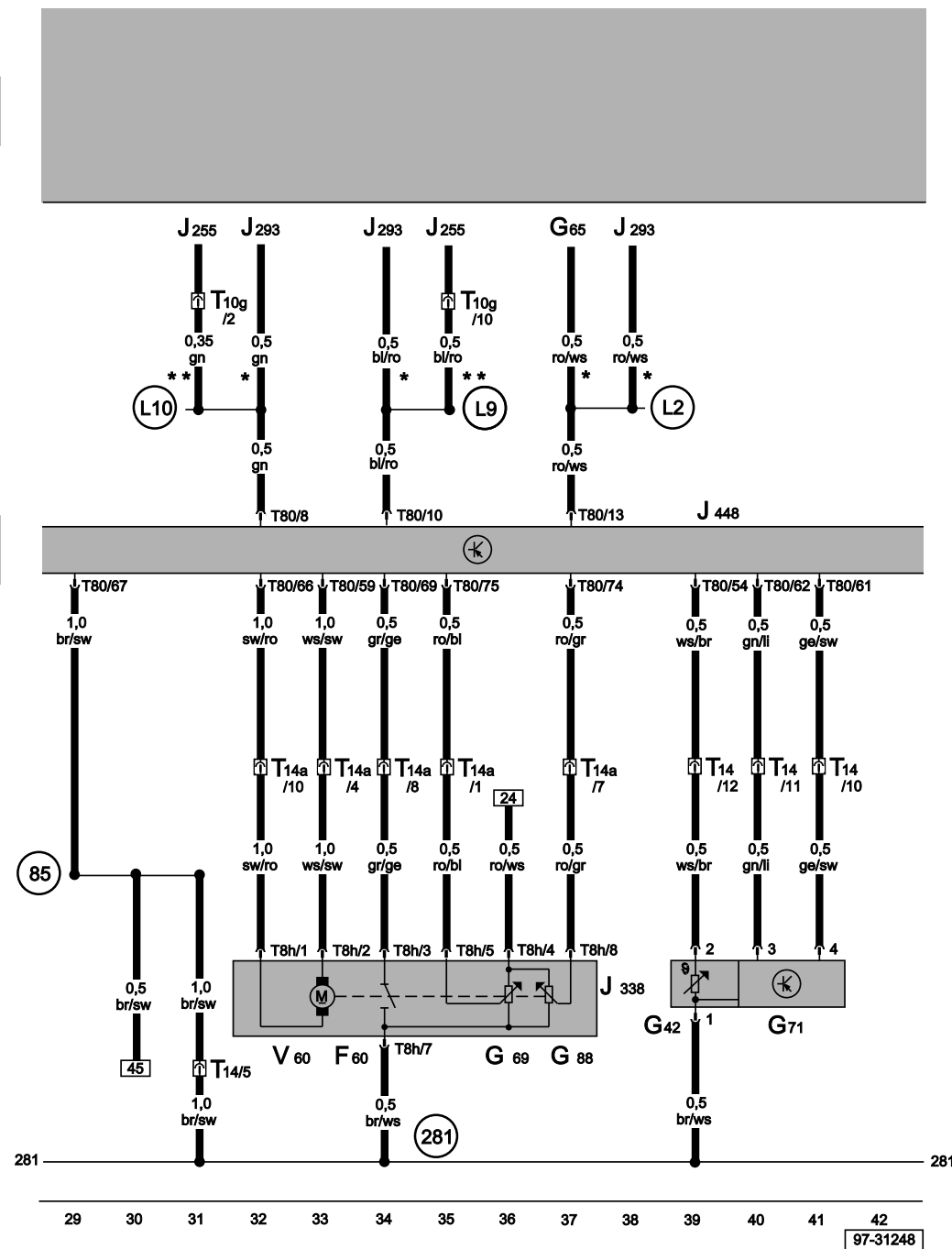
L2 Connection, in air conditioner wiring harness

L9 Connection -1-, in air conditioner wiring harness

L10 Connection -2-, in air conditioner wiring harness

- * Only models with manual control air conditioner
- ** Only models with Climatronic

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

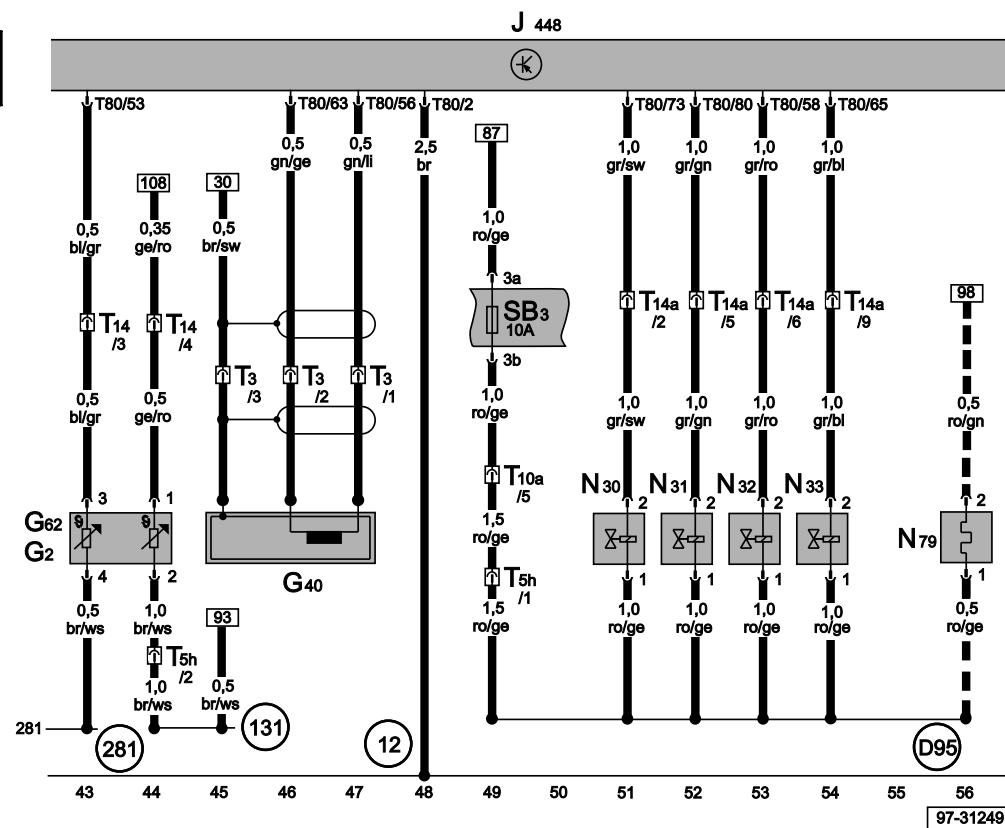


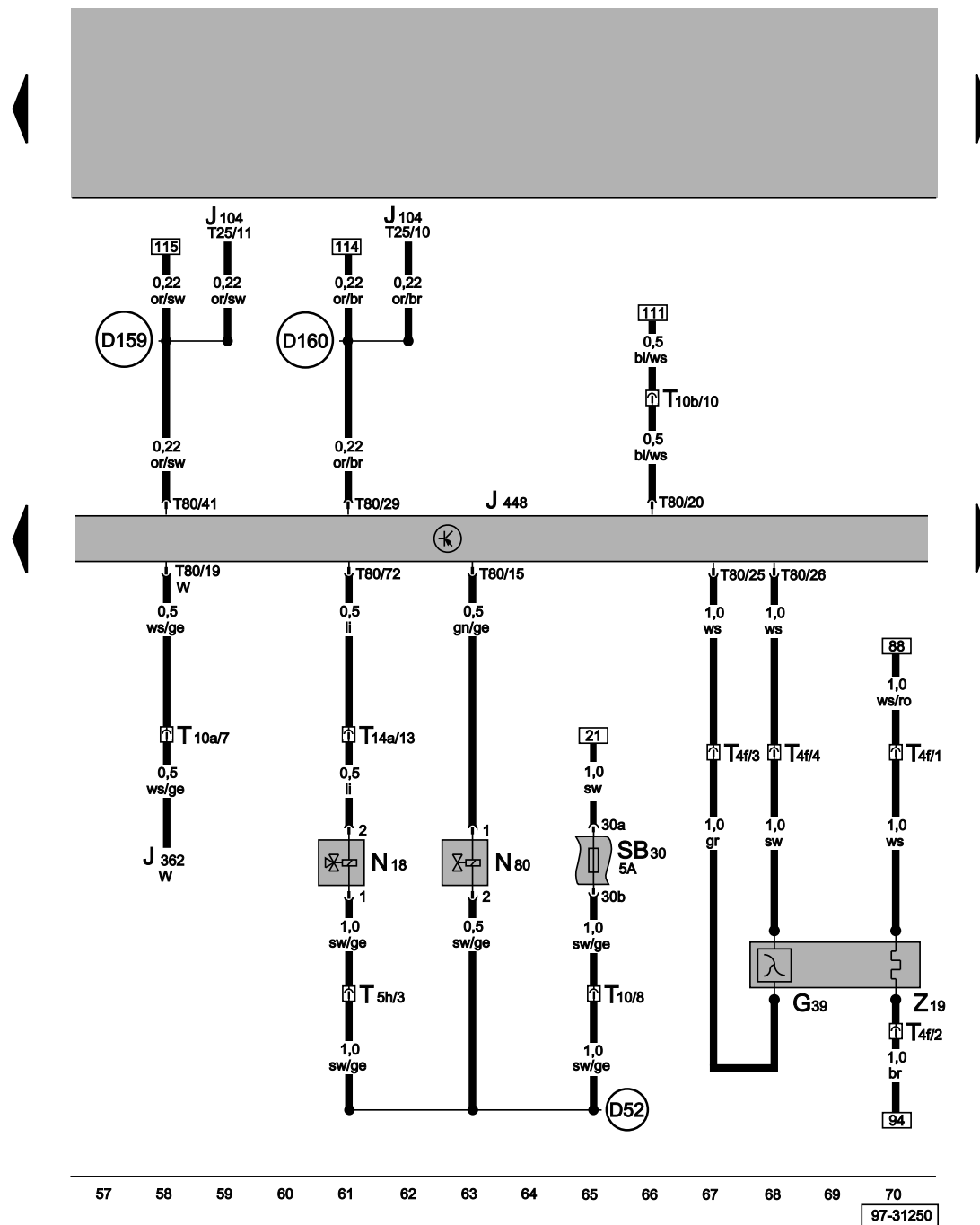
4CV control unit (injection system), hall sender, coolant temperature sender, fuse, injectors, heater element (crankcase breather)

- G2 Coolant temperature sender
- G40 Hall sender
- G62 Coolant temperature sender
- J293 Radiator fan control unit
- J448 4CV control unit (injection system)
- N30 Injector, cylinder 1
- N31 Injector, cylinder 2
- N32 Injector, cylinder 3
- N33 Injector, cylinder 4
- N79 Heater element (crankcase breather)
- SB3 Fuse -3- in fuse box
- T3 3-pin connector, on cylinder head, left
- T5h 5-pin connector, on cylinder head, left
- T10a 10-pin connector, green, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left
- T80 80-pin connector

- 12 Earth point, in engine compartment, left
- 131 Earth connection -2-, in engine compartment wiring harness
- 220 Earth connection (sender earth), in engine wiring harness
- 281 Earth connection -1-, in engine prewiring wiring harness
- D95 Connection (injectors), in engine compartment wiring harness
- * Only models with air conditioner
- From December 2000

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





4CV control unit (injection system), lambda probe, activated charcoal filter system solenoid valve, exhaust gas recirculation frequency valve, immobilizer control unit

- G39 Lambda probe
- J104 ABS with EDL control unit
- J362 Immobilizer control unit
- J448 4CV control unit (injection system)
- N18 Exhaust gas recirculation valve
- N80 Activated charcoal filter system solenoid valve 1
- SB30 Fuse -30- in fuse box
- T4f 4-pin connector, black
- T5h 5-pin connector, black, on cylinder head, left
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T10b 10-pin connector, black, connector point under relay carrier
- T14a 14-pin connector, brown, on cylinder head, left
- T25 25-pin connector
- T80 80-pin connector
- Z19 Lambda probe heater

- D52 Positive (+) connection (15a), in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness

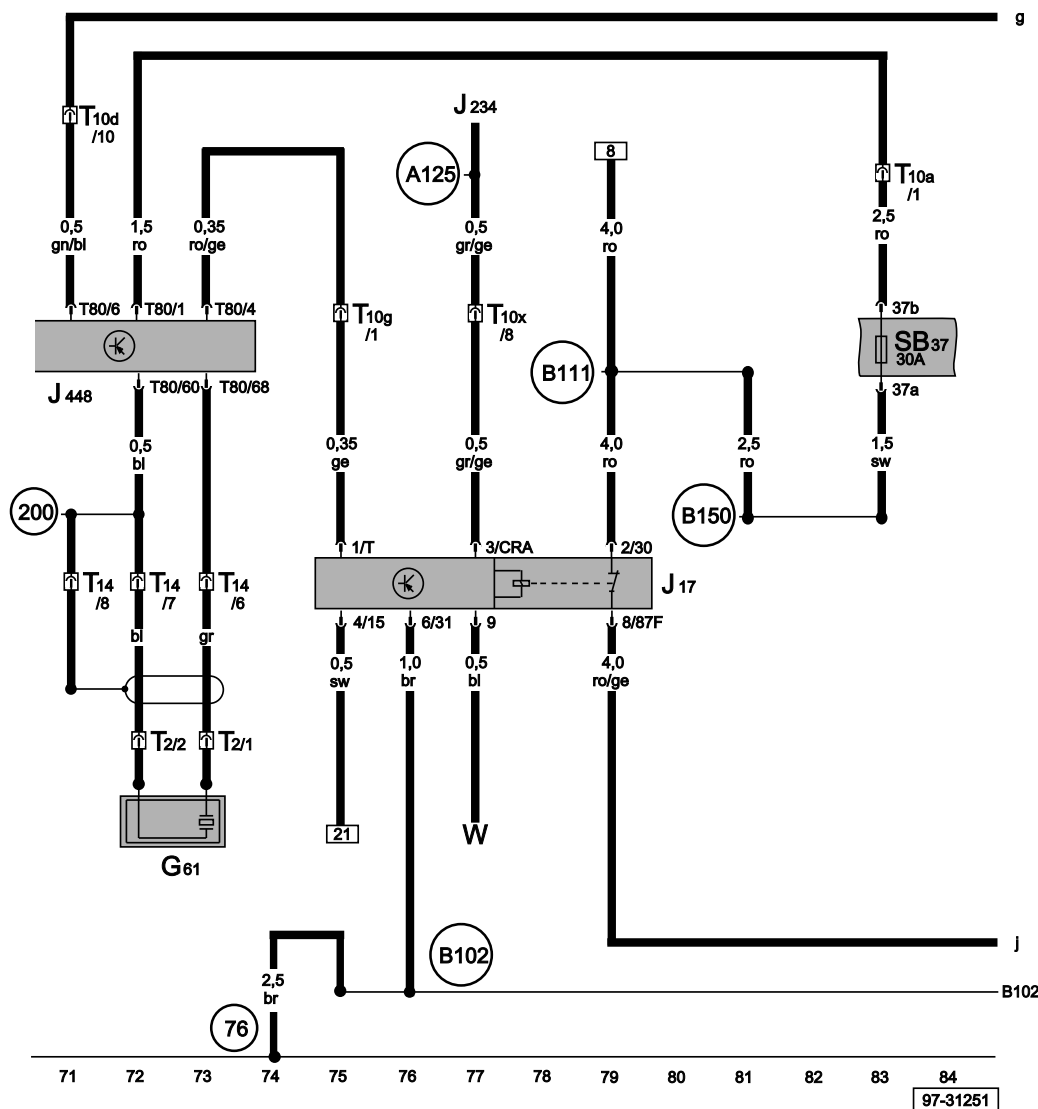
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

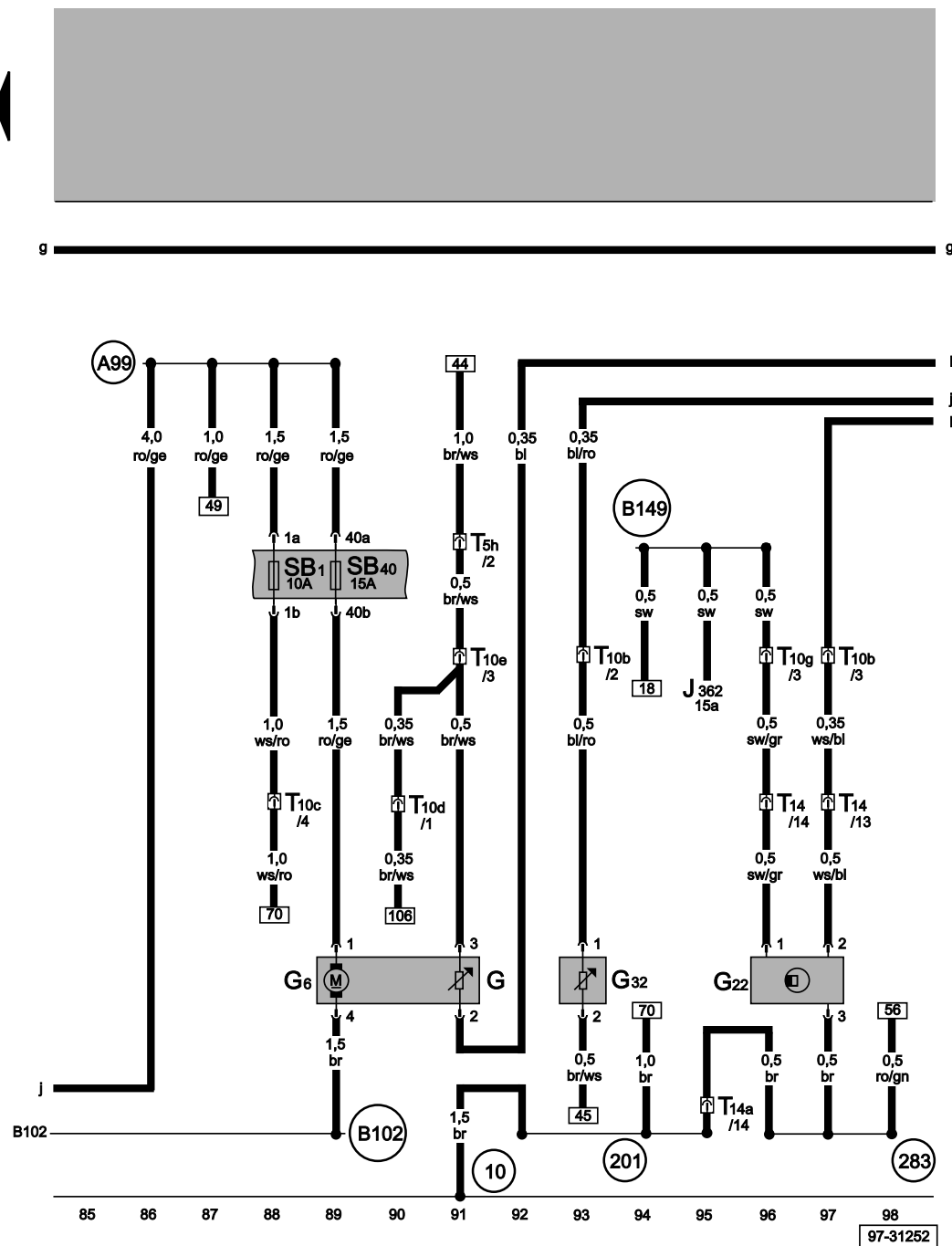
4CV control unit (injection system), knock sensor, fuel pump relay, fuse

- G61 Knock sensor I
- J17 Fuel pump relay
- J234 Airbag control unit
- J448 4CV control unit (injection system)
- SB37 Fuse -37- in fuse box
- T2 2-pin connector, black
- T10a 10-pin connector, green, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T80 80-pin connector
- W Interior light, front

- 76 Earth point, near selector mechanism
- 200 Earth connection (screening), in engine compartment wiring harness
- A125 Connection (crash signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B111 Positive (+) connection -1- (30a), in interior wiring harness
- B150 Positive (+) connection -2- (30a), in interior wiring harness

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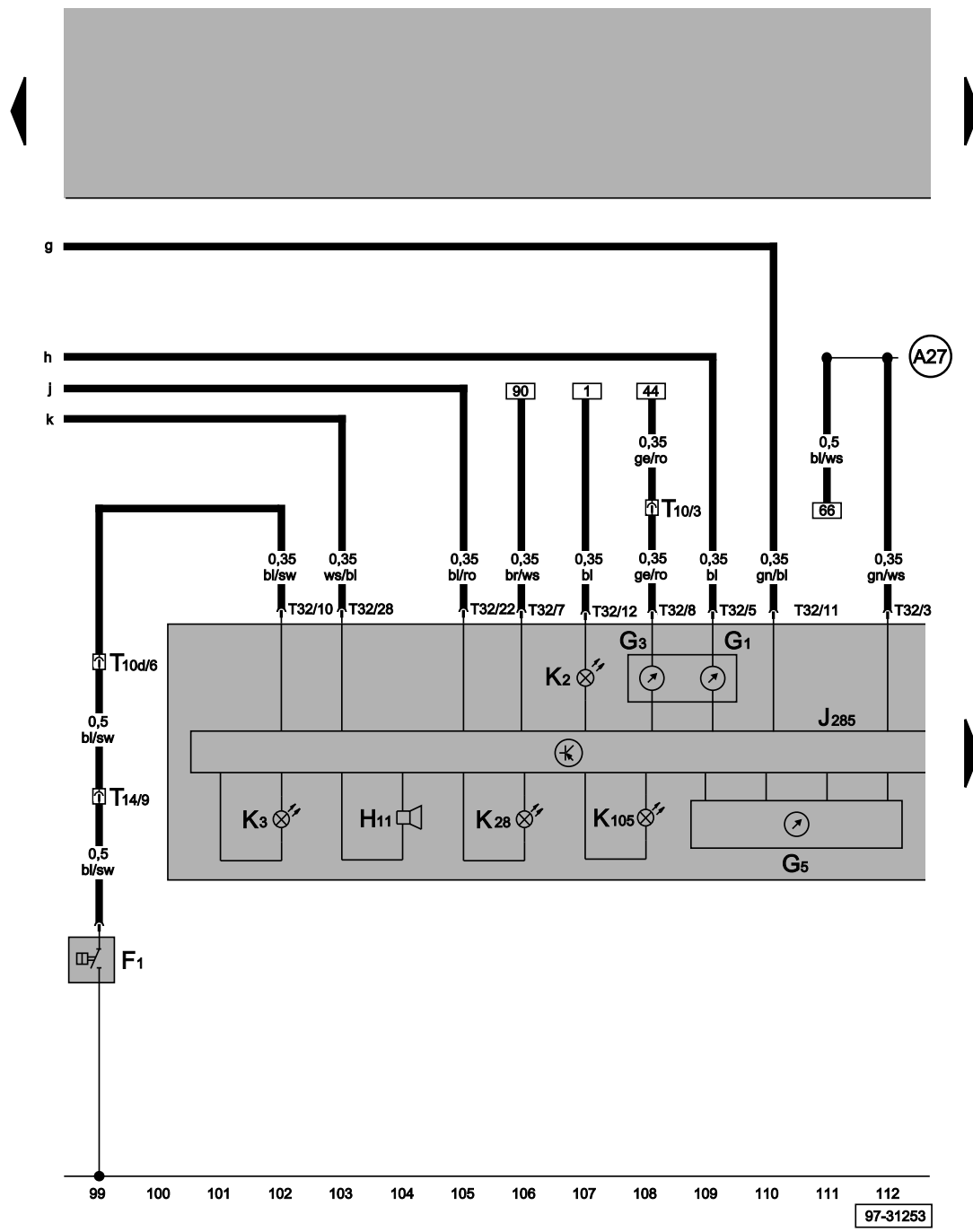


Fuel pump, speedometer sender, fuel gauge sender, coolant shortage indicator sender

- J362 Immobilizer control unit
- G Fuel gauge sender
- G6 Fuel pump
- G22 Speedometer sender (hall sender, on gearbox)
- G32 Coolant shortage indicator sender
- SB1 Fuse -1- in fuse box
- SB40 Fuse -40- in fuse box
- T5h 5-pin connector, black, on cylinder head, left
- T10b 10-pin connector, black, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10e 10-pin connector, pink, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T14a 14-pin connector, brown, on cylinder head, left

- 10 Earth point, in plenum chamber
- 201 Earth connection -5-, in engine compartment wiring harness
- 283 Earth connection -2-, in engine prewiring wiring harness
- A99 Connection -1- (87), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B149 Positive (+) connection -2- (15a), in interior wiring harness

ws = white
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 ro = red
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 li = purple
 ge = yellow
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 rs = pink



Dash panel insert, oil pressure warning, coolant temperature gauge, fuel gauge, rev. counter, warning lamps

- F1 Oil pressure switch
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- H11 Oil pressure warning buzzer
- J285 Control unit with display in dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- K105 Reserve fuel warning lamp
- T10 10-pin connector, white, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T14 14-pin connector, black, on cylinder head, left
- T32 32-pin connector, blue

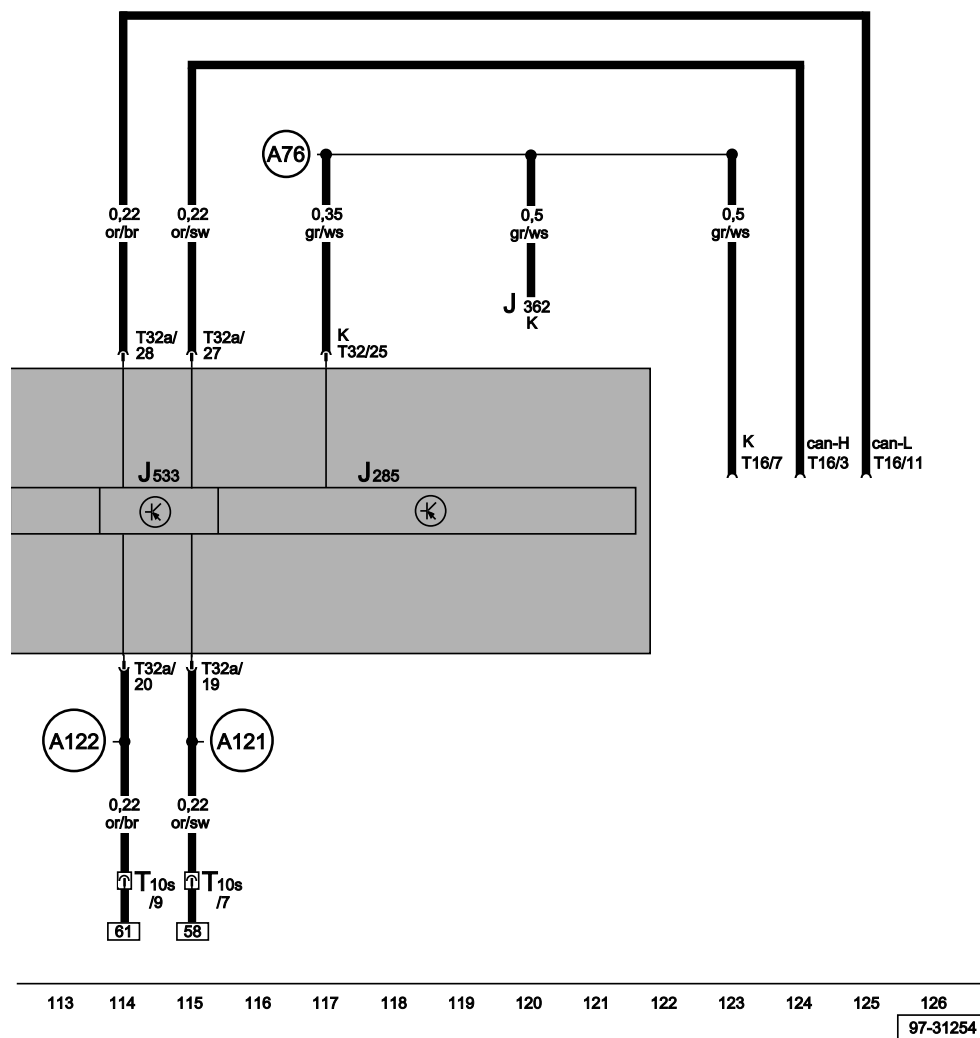
A27 Connection (speed signal), in dash panel wiring harness

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

Dash panel insert, self-diagnosis connection, data bus diagnostic interface

- J285 Control unit with display in dash panel insert
- J362 Immobilizer control unit
- J533 Data bus diagnostic interface control unit
- T10s 10-pin connector, light green, connector point under relay carrier
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, green
- T32a 32-pin connector, blue

- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness



Anti-lock brake system (ABS) with electronic differential lock (EDL)

⇒ 1.6 l/88 kW - 4CV, engine code AJV

From August 1998

Anti-lock brake system (ABS) with electronic differential lock (EDL)

⇒ 1.0 l/37 kW - Motronic, engine codes ALD, AUC

⇒ 1.4 l/44 kW - Motronic, engine codes AKK, AUD

⇒ 1.4 l/55 kW - 4LV, engine code AUA

⇒ 1.4 l/74 kW - 4LV, engine, engine code AUB

From August 1999

Notes:

For information concerning

◆ Relay and fuse assignment

◆ Multi-pin connectors

◆ Control units and relays

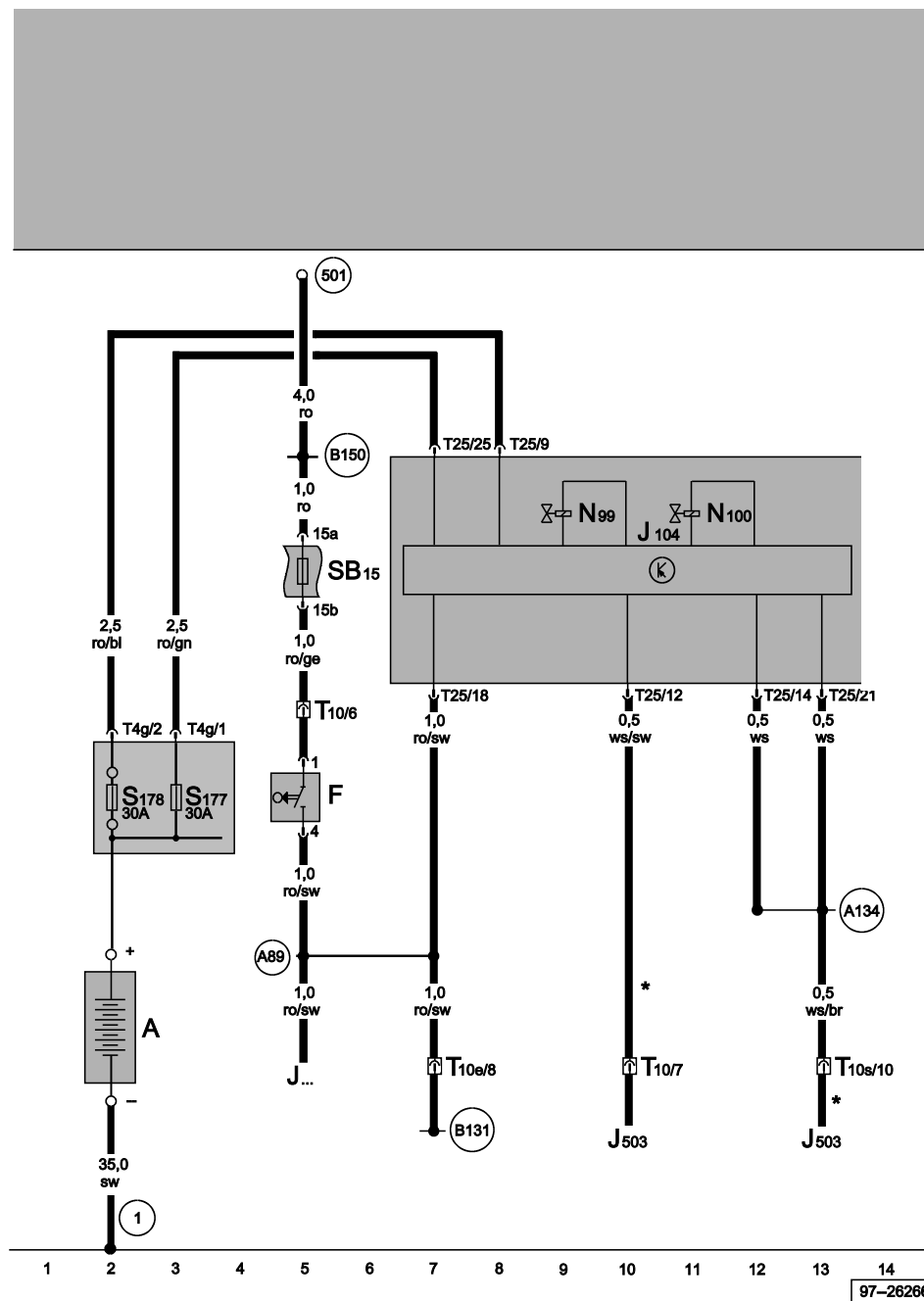
◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

◆ Fault Finding Programs

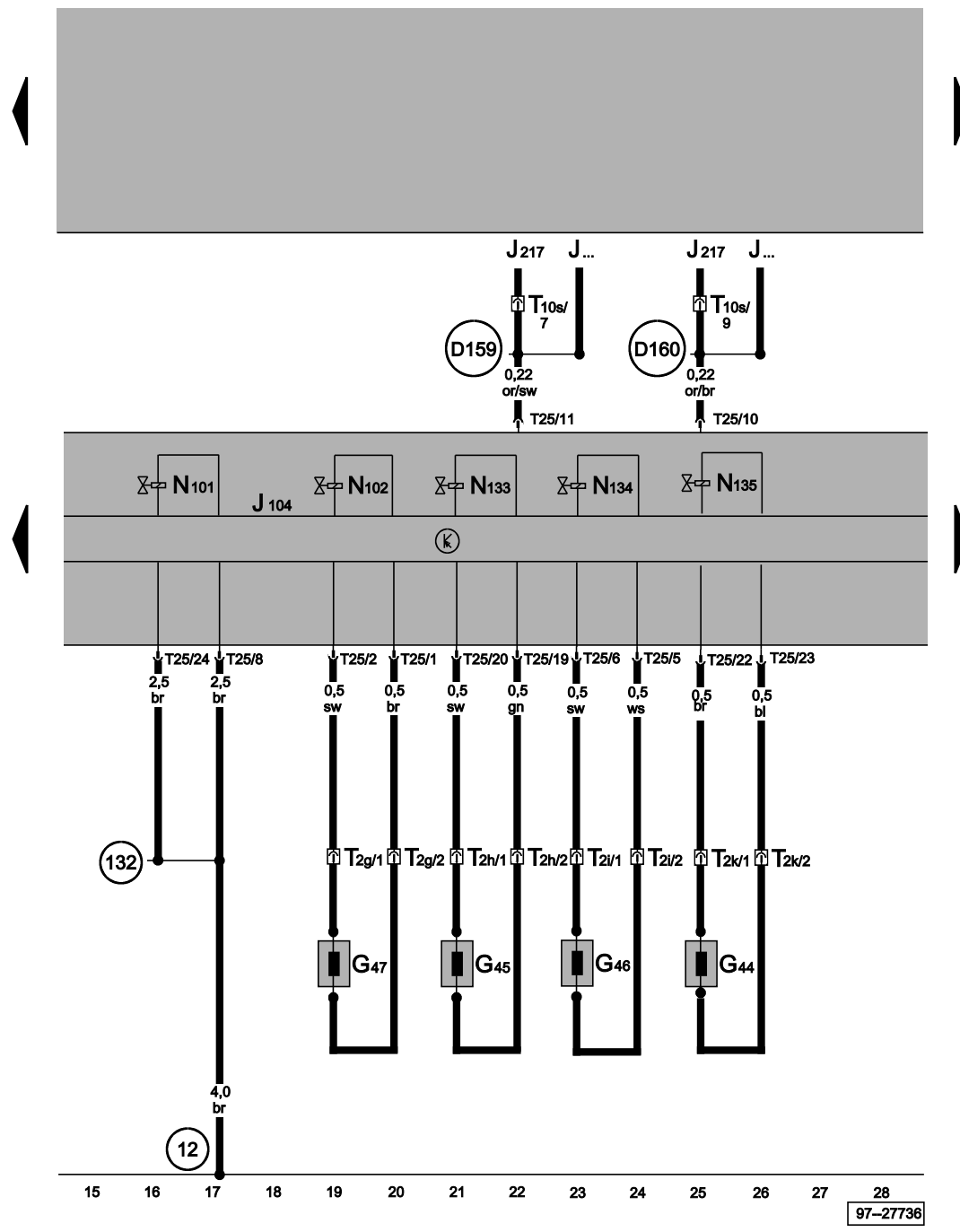
⇒ Guided Fault Finding



ABS control unit, brake light switch, fuses on battery fuse holder

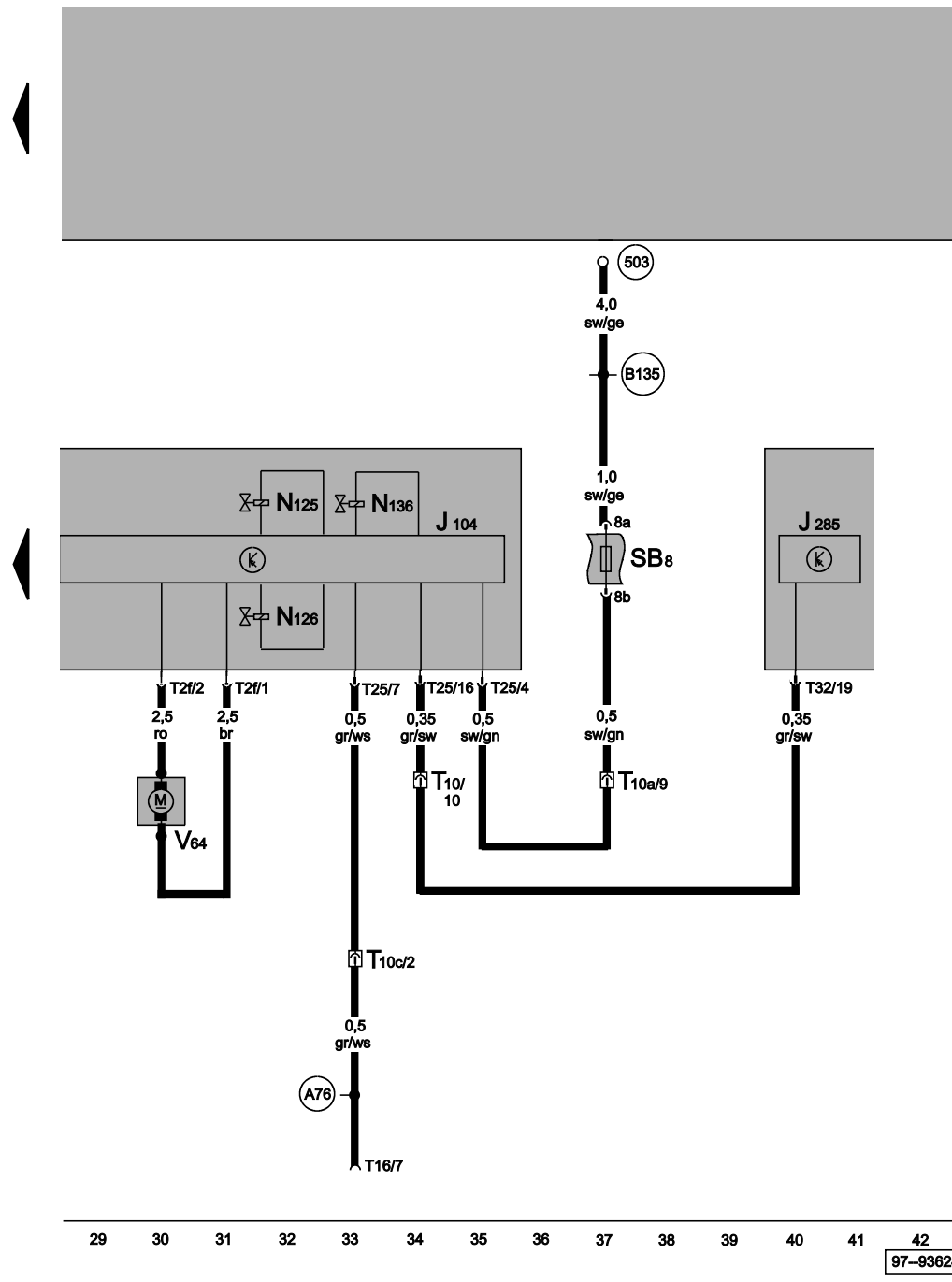
- A Battery
- F Brake light switch
- J104 ABS control unit, on left in engine compartment
- J... Engine control units
- J503 Control unit with display for radio and navigation system
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- SB15 Fuse 15 on fuse holder
- S177 Fuse 5 (30), on battery fuse holder
- S178 Fuse 6 (30), on battery fuse holder
- T4g 4-pin connector, near battery
- T10 10-pin connector, near relay station
- T10e 10-pin connector, light pink, near relay station
- T10s 10-pin connector, light green, near relay station
- T25 25-pin connector, black, on ABS control unit

- 1 Earth strap, battery - body
- 501 Screw connection 2 (30), on relay plate
- A89 Connection 2 (54), in dash panel wiring harness
- A134 Connection (right ABS impulse), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness
- * Only models with navigation



ABS control unit, inlet valves, outlet valves

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J... Engine control units
- J104 ABS control unit, on left in engine compartment
- J217 Automatic gearbox control unit, centre in plenum chamber
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, black, under rear bench seat
- T2k 2-pin connector, black, under rear bench seat
- T10s 10-pin connector, light green, near relay station
- T25 25-pin connector, black, on ABS control unit
- 12 Earth point, on left in engine compartment
- 132 Earth connection 3, in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness



ABS control unit, inlet valves, dash panel insert, self-diagnosis connection, differential lock valves 1 and 2

- J104 ABS control unit, on left in engine compartment
- J285 Control unit with display in dash panel insert
- N125 Differential lock valve 1
- N126 Differential lock valve 2
- N136 Rear left ABS outlet valve
- SB8 Fuse 8 in relay plate fuse holder
- T2f 2-pin connector, black, on ABS control unit
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T16 16-pin connector, self-diagnosis connection
- T25 25-pin connector, black, on ABS control unit
- T32 32-pin connector, blue, on dash panel insert
- V64 ABS hydraulic pump, on ABS control unit

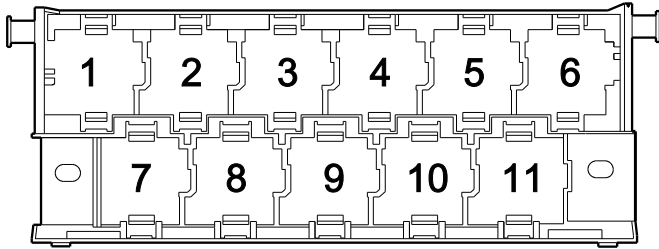
- (503) Screw connection (75x), on relay plate
- (A76) Connection (K-diagnosis wire), in dash panel wiring harness
- (B135) Connection 1 (15a), in interior wiring harness

Anti-lock brake system (ABS) with electronic differential lock (EDL)

⇒ 1.9 ltr./47kW diesel engine, engine code AEF

From October 1999

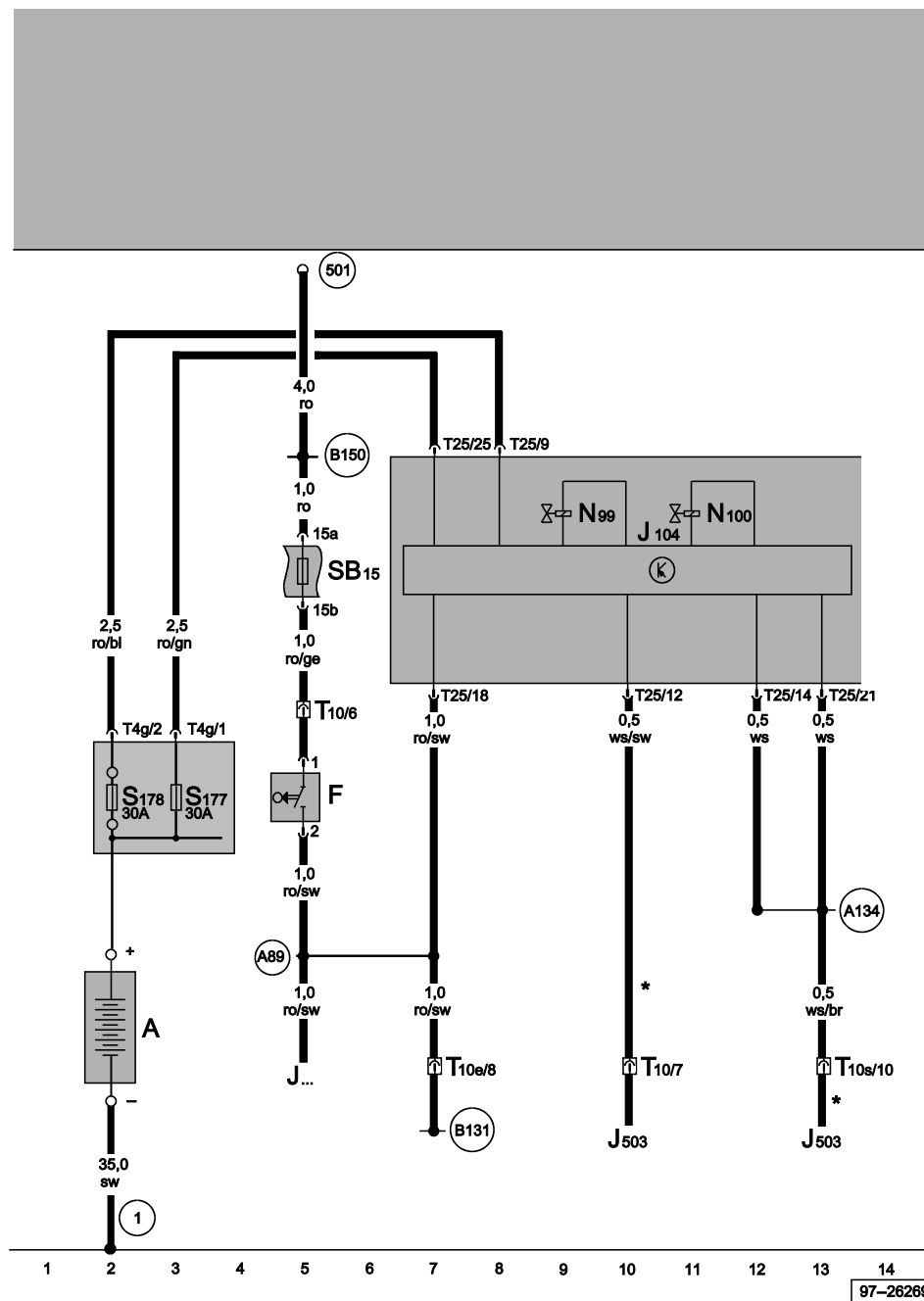
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

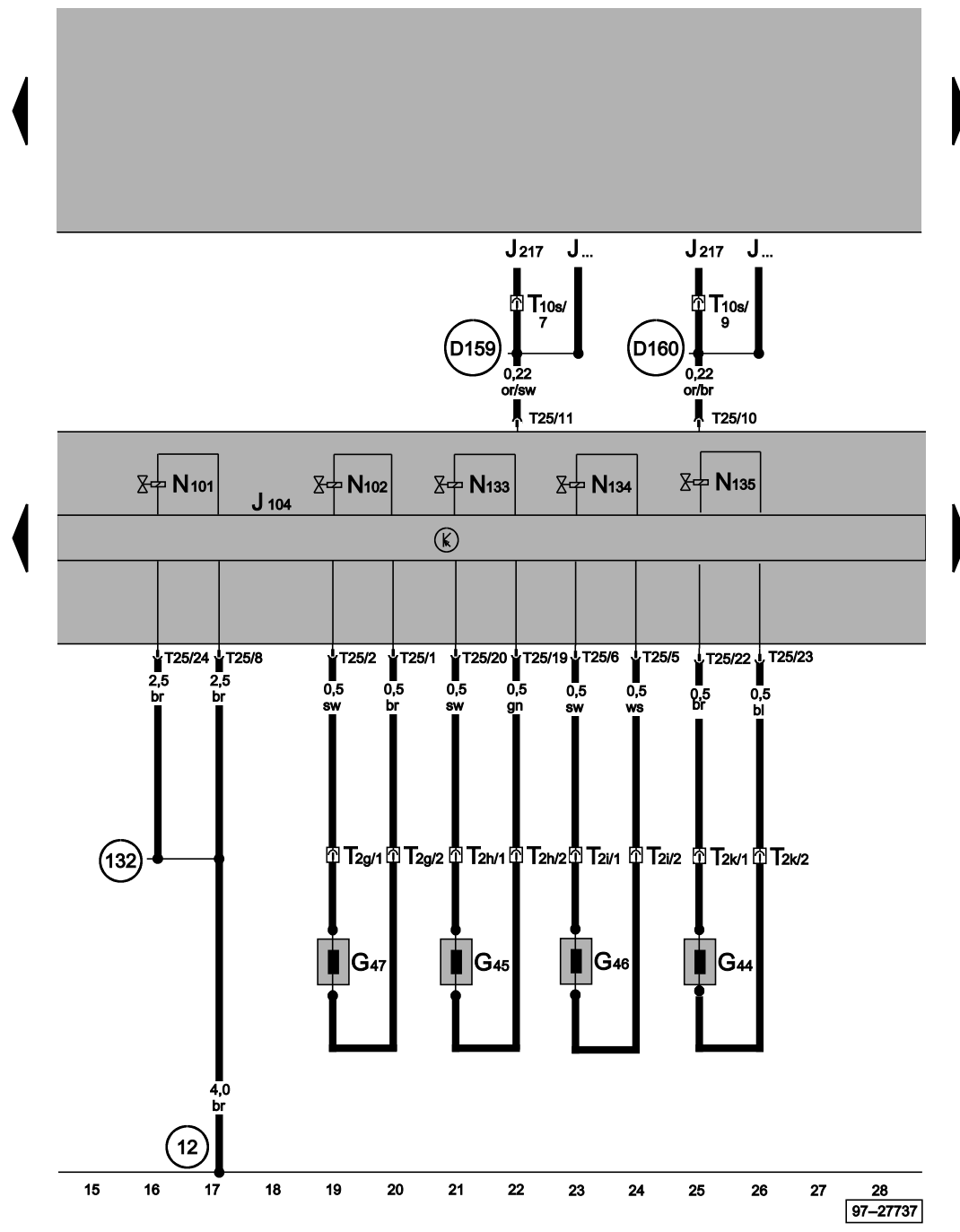


ABS control unit, brake light switch, fuses in battery fuse holder

- A Battery
- F Brake light switch
- J104 ABS control unit, left in engine compartment
- J... Engine control unit
- J503 Control unit with display for radio and navigation
- N99 ABS inlet valve, front right
- N100 ABS outlet valve, front right
- SB15 Fuse -15- on fuse holder
- S177 Fuse -5- (30), in battery fuse holder
- S178 Fuse -6- (30), in battery fuse holder
- T4g 4-pin connector, near battery
- T10 10-pin connector, near relay station
- T10e 10-pin connector, light pink, near relay station
- T10s 10-pin connector, light green, near relay station
- T25 25-pin connector, black, on ABS control unit

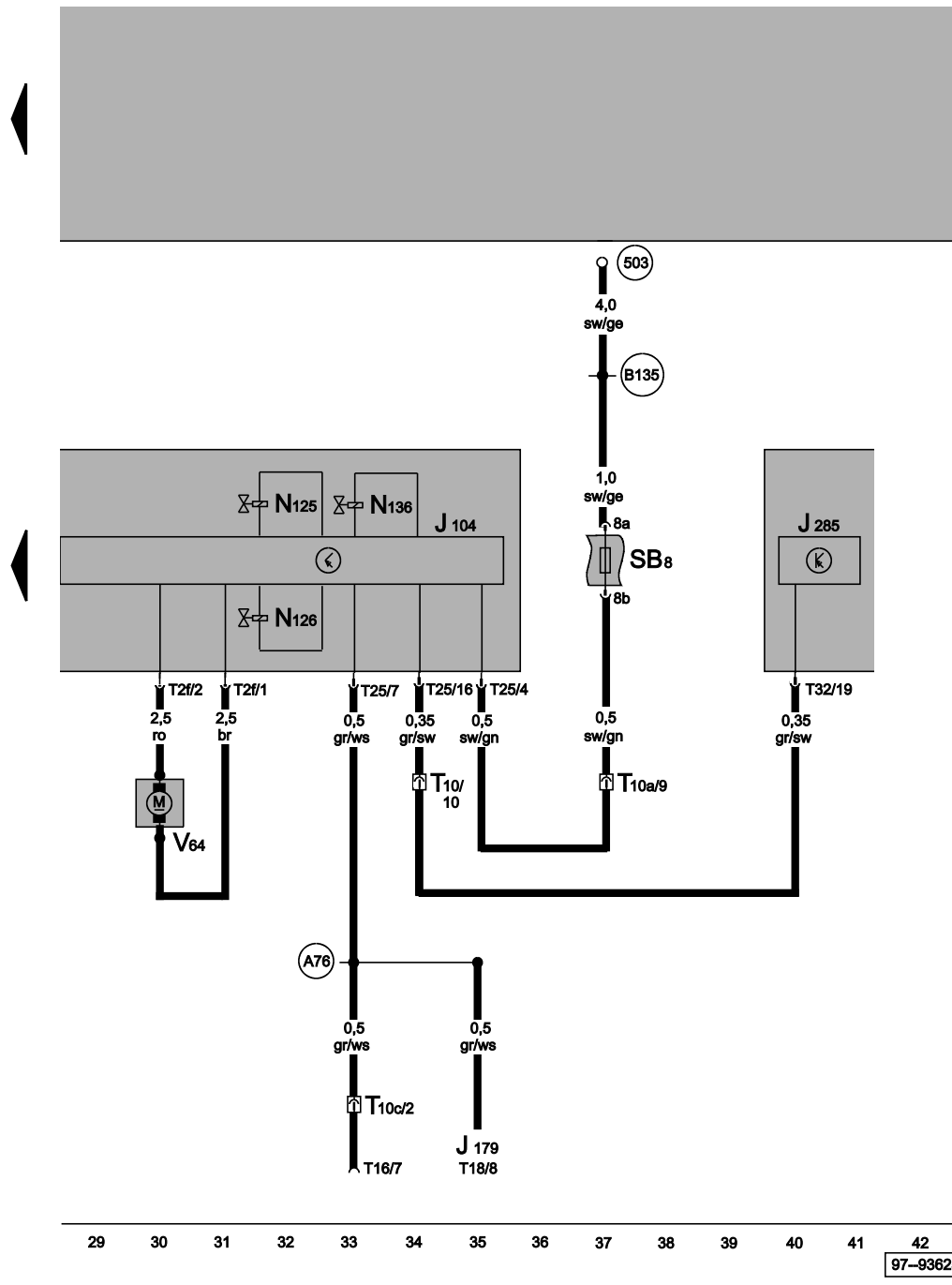
- 1 Earth strap, battery - body
- 501 Screw connection -2- (30), on relay plate
- A89 Connection -2- (54), in dash panel wiring harness
- A134 Connection (ABS impulse right), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness
- * For vehicles with navigation only

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



ABS control unit, inlet valves, outlet valves

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J... Engine control units
- J104 ABS control unit, in engine compartment, left
- J217 Automatic gearbox control unit, in plenum chamber, centre
- N101 ABS inlet valve, front left
- N102 ABS outlet valve, front left
- N133 ABS inlet valve, rear right
- N134 ABS inlet valve, rear left
- N135 ABS outlet valve, rear right
- T2g 2-pin connector, black, rear suspension strut, left
- T2h 2-pin connector, black, rear suspension strut, right
- T2i 2-pin connector, black, under rear seat bench
- T2k 2-pin connector, black, under rear seat bench
- T10s 10-pin connector, light green, near relay station
- T25 25-pin connector, black, on ABS control unit
- 12 Earth point, in engine compartment, left
- 132 Earth connection -3-, in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness



ABS control unit, inlet valves, dash panel insert, self-diagnosis connection, differential lock valve 1 and 2

- J104 ABS control unit, in engine compartment, left
- J179 Automatic glow period control unit, above the relay plate
- J285 Control unit with display in dash panel insert
- N125 Differential lock valve 1
- N126 Differential lock valve 2
- N136 ABS outlet valve, rear left
- SB8 Fuse -8- in relay plate fuse box
- T2f 2-pin connector, black, on ABS control unit
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T16 16-pin connector, self-diagnosis connection
- T18 18-pin connector, black
- T25 25-pin connector, black, on ABS control unit
- T32 32-pin connector, blue, on dash panel insert
- V64 ABS hydraulic pump, on ABS control unit

- 503 Screw connection (75X), on relay plate
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B135 Connection -1- (15a), in interior wiring harness

Anti-lock brake system (ABS) with electronic differential lock (EDL)

- ⇒ 1.4 litre/55 kW Turbo diesel engine with unit injectors, engine codes AMF
- ⇒ 1.7 litre/42 kW Naturally aspirated diesel, engine codes AHG
- ⇒ 1.7 litre/44 kW Naturally aspirated diesel, engine codes AKU
- ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine codes AGD

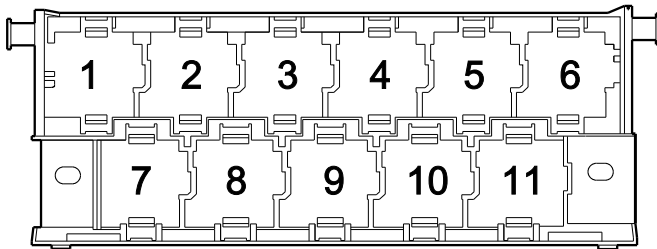
From October 1999

Anti-lock brake system (ABS) with electronic differential lock (EDL)

- ⇒ 1.9 litre/47 kW Naturally aspirated diesel, engine codes ASX

From May 2000

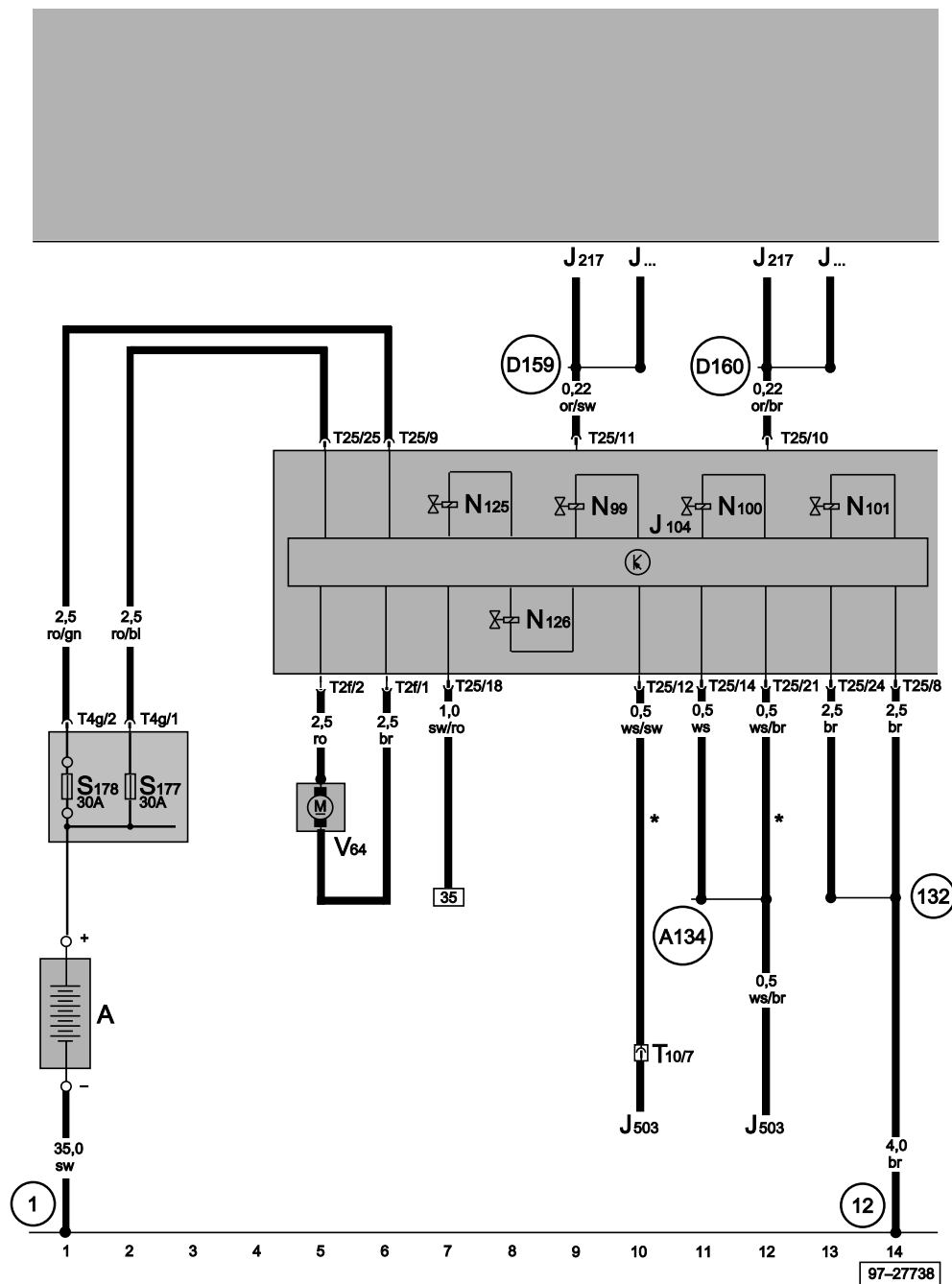
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

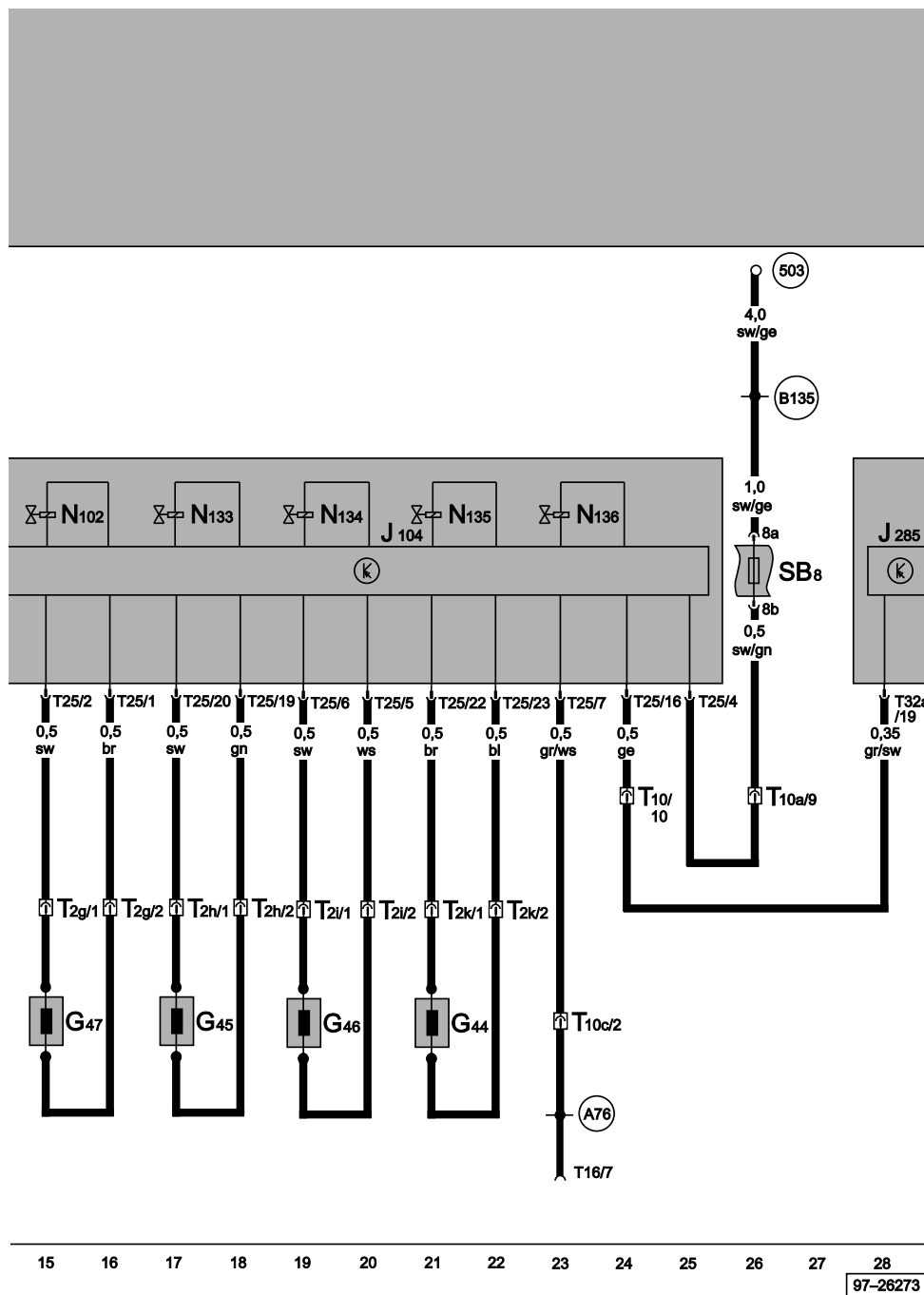


ABS control unit, fuses in fuse box / battery, differential lock valve 1 and 2

- A Battery
- J104 ABS control unit, in engine compartment, left
- J217 Automatic gearbox control unit
- J503 Control unit with display for radio and navigation
- N99 ABS inlet valve, front right
- N100 ABS outlet valve, front right
- N101 ABS inlet valve, front left
- N125 Differential lock valve 1
- N126 Differential lock valve 2
- S177 Fuse -5- (30), in fuse box/battery
- S178 Fuse -6- (30), in fuse box/battery
- T2f 2-pin connector, black
- T4g 4-pin connector, black
- T10 10-pin connector, white
- T25 25-pin connector, black
- V64 ABS hydraulic pump, on ABS control unit

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 132 Earth connection -3-, in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness
- A134 Connection (ABS impulse right), in dash panel wiring harness
- * Only models with navigation

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

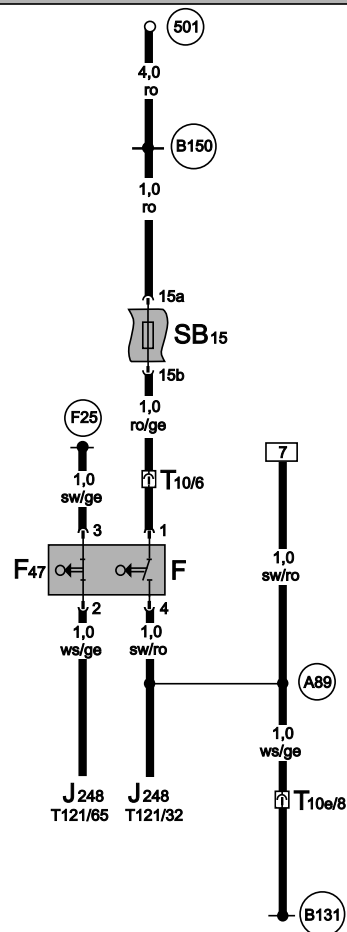


ABS control unit, inlet valves, dash panel insert, self-diagnosis connection

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit, left in engine compartment
- J285 Control unit with display in dash panel insert
- N102 ABS outlet valve, front left
- N133 ABS inlet valve, rear right
- N134 ABS inlet valve, rear left
- N135 ABS outlet valve, rear right
- N136 ABS outlet valve, rear left
- SB8 Fuse -8- on fuse holder
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, black
- T2k 2-pin connector, black
- T10 10-pin connector, white
- T10a 10-pin connector, green
- T10c 10-pin connector, blue
- T16 16-pin connector, self-diagnosis connection
- T25 25-pin connector, black
- T32a 32-pin connector, blue, on dash panel insert

- 503 Screw connection (75x), on relay plate
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B135 Connection -1- (15a), in interior wiring harness

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or = orange
rs = pink



Brake light switch

- F Brake light switch
- F47 Cruise cont. sys. brake pedal switch (diesel direct inj. system)
- J248 Diesel direct injection system control unit, right in plenum chamber
- SB15 Fuse -15- on fuse holder
- T10 10-pin connector, white, near relay station
- T10e 10-pin connector, light pink, near relay station
- T121 121-pin connector
- 501 Screw connection -2- (30), on relay plate
- A89 Connection -2- (54), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness
- F25 Connection -1-, in diesel direct injection system wiring harness

ws = white
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or = orange
rs = pink

Anti-lock brake system (ABS) with electronic differential lock (EDL), traction control system (TCS) and electronic stabilisation program (ESP)

from September 1999

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

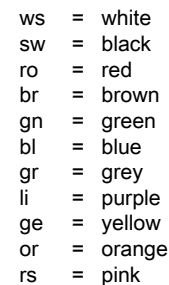
- ◆ Earth connections

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs

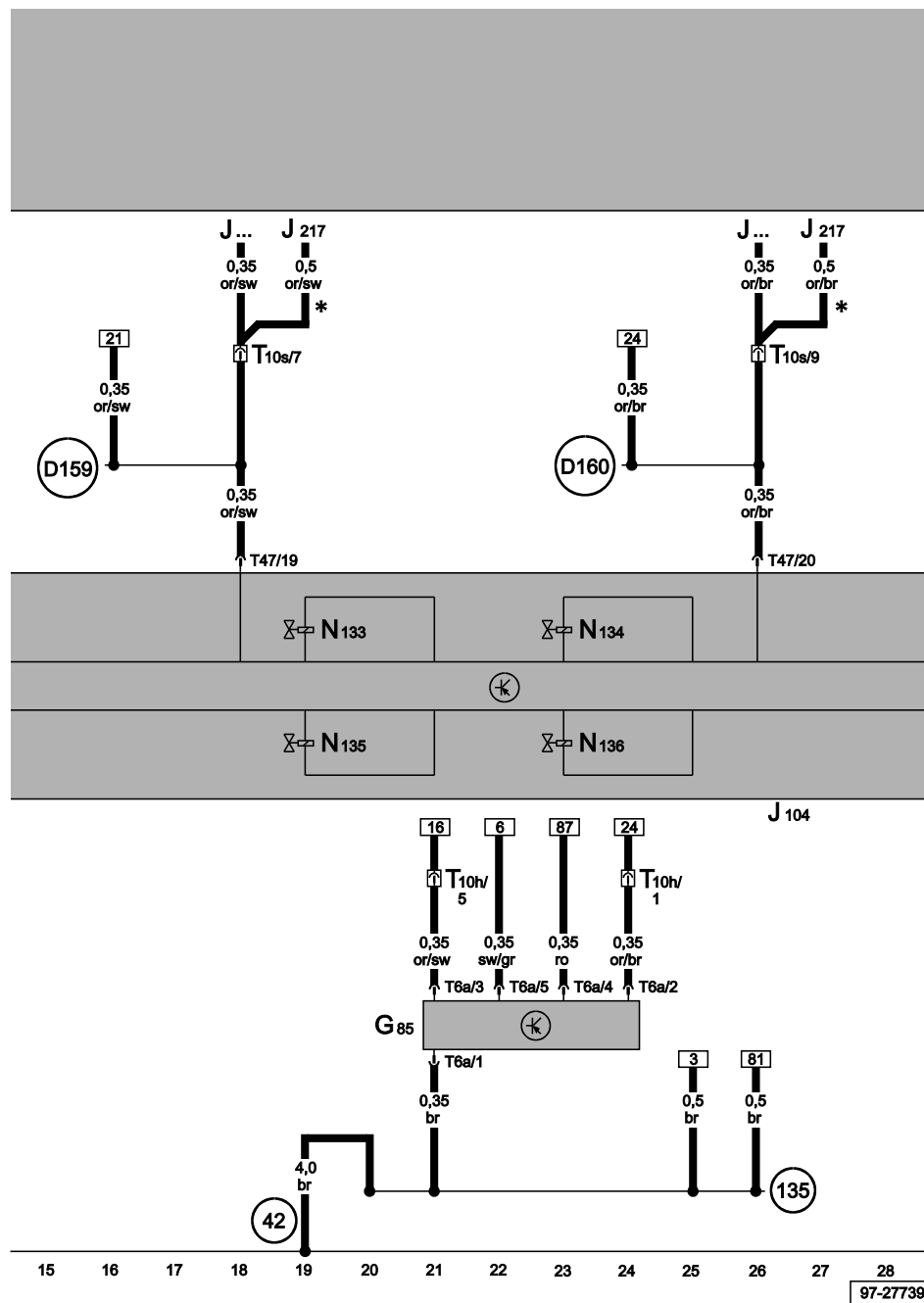
⇒ Guided Fault Finding



- 12 Earth point, on left in engine compartment
- 503 Screw connection (75x), on relay plate
- A3 Positive connection (58), in dash panel wiring harness
- A38 Positive connection 2 (15a), in dash panel wiring harness
- A132 Connection (TCS/ESP), in dash panel wiring harness
- B235 Positive connection 4 (15a), in interior wiring harness

ABS/ABS control unit with EDL/TCS/ESP, steering angle sender

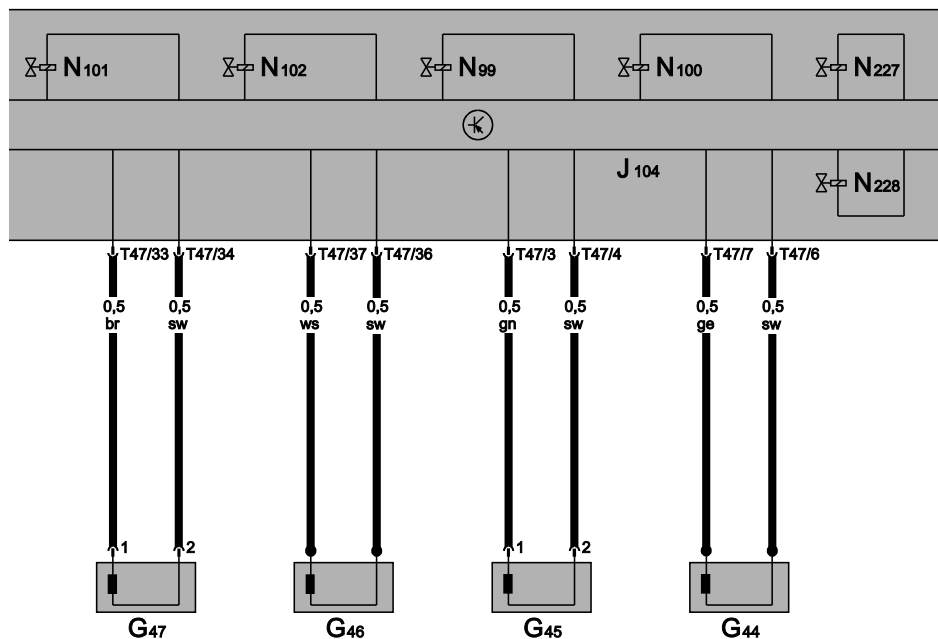
- G85 Steering angle sender, on steering column
- J... Engine control units
- J104 ABS control unit with EDL/TCS/ESP, on left in engine compartment
- J217 Automatic gearbox control unit, centre in plenum chamber
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- N136 Rear left ABS outlet valve
- T6a 6-pin connector
- T10h 10-pin connector, orange, near relay station
- T10s 10-pin connector, light green, near relay station
- T47 47-pin connector
- 42 Earth point, next to steering column
- 135 Earth connection 2, in dash panel wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness
- * Only models with automatic gearbox



ws = white
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 rs = pink

ABS/ABS control unit with EDL/TCS/ESP, speed sensor

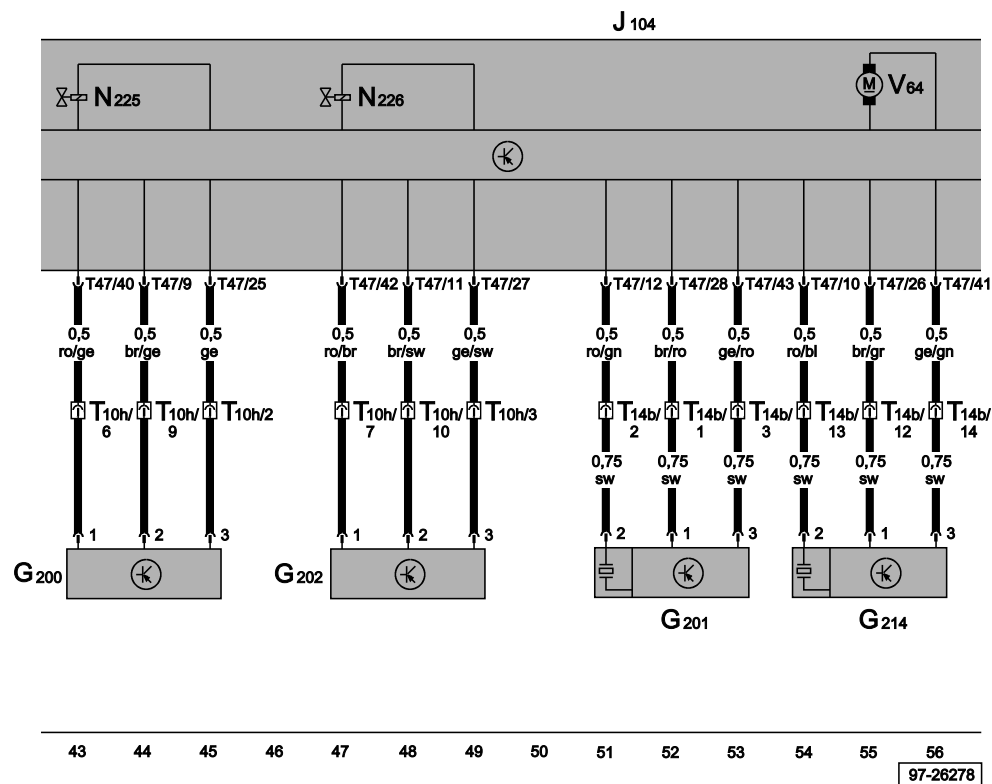
- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J104 ABS control unit with EDL/TCS/ESP, on left in engine compartment
- N99 Front right ABS inlet valve
- N100 Front right ABS outlet valve
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- N227 Vehicle stabilisation program high-pressure valve 1
- N228 Vehicle stabilisation program high-pressure valve 2
- T47 47-pin connector



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- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
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ABS/ABS with EDL/TCS/ESP control unit, lateral acceleration sender, brake pressure sender, yaw rate sender, ABS hydraulic pump

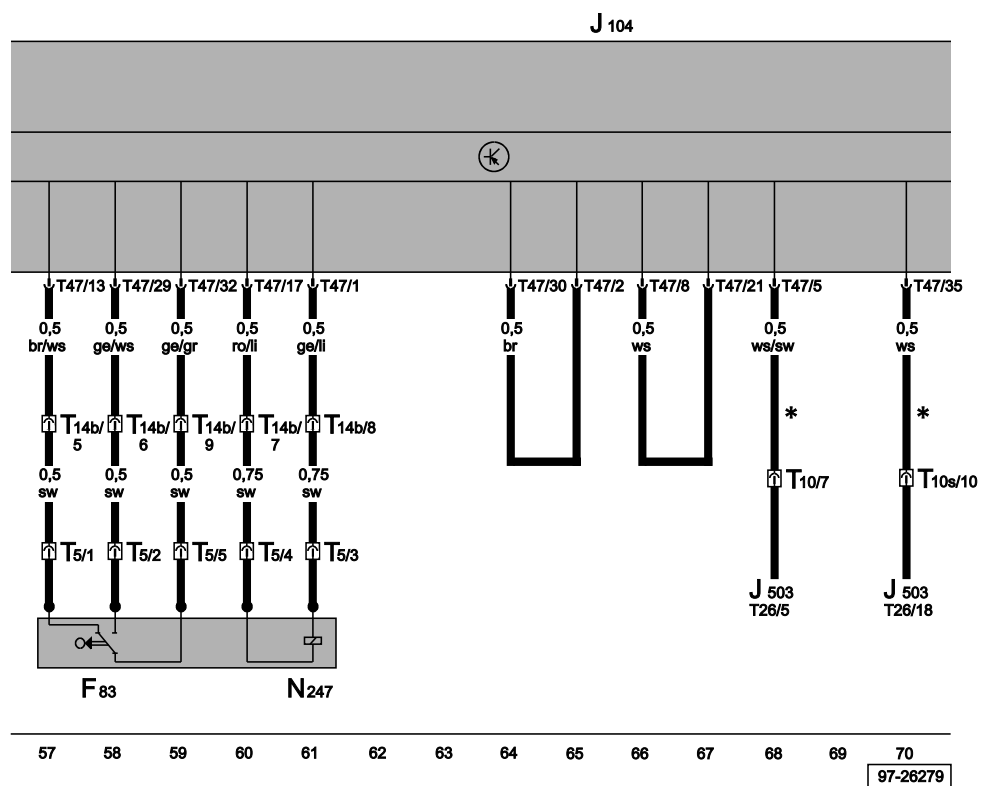
- G200 Lateral acceleration sender, next to steering column
- G201 Brake pressure sender 1, on brake master cylinder
- G202 Yaw sender, next to steering column
- G214 Brake pressure sender 2, on brake master cylinder
- J104 ABS control unit with EDL/TCS/ESP, on left in engine compartment
- N225 Vehicle stabilisation program switch valve 1
- N226 Vehicle stabilisation program switch valve 2
- T10h 10-pin connector, orange, near relay station
- T14b 14-pin connector, on left in engine compartment
- T47 47-pin connector
- V64 ABS hydraulic pump



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

ABS control unit with EDL/TCS/ESP, longitudinal acceleration sender, brake pressure solenoid valve, ESP brake detection switch

- F83 ESP brake detection switch
- J104 ABS control unit with EDL/TCS/ESP, on left in engine compartment
- J503 Control unit with display for radio and navigation system
- N247 Brake pressure solenoid valve, in brake servo
- T5 5-pin connector, in rear of engine compartment
- T10 10-pin connector, white, near relay station
- T10s 10-pin connector, light green, near relay station
- T14b 14-pin connector, on left in engine compartment
- T26 26-pin connector
- T47 47-pin connector
- * Only models with navigation

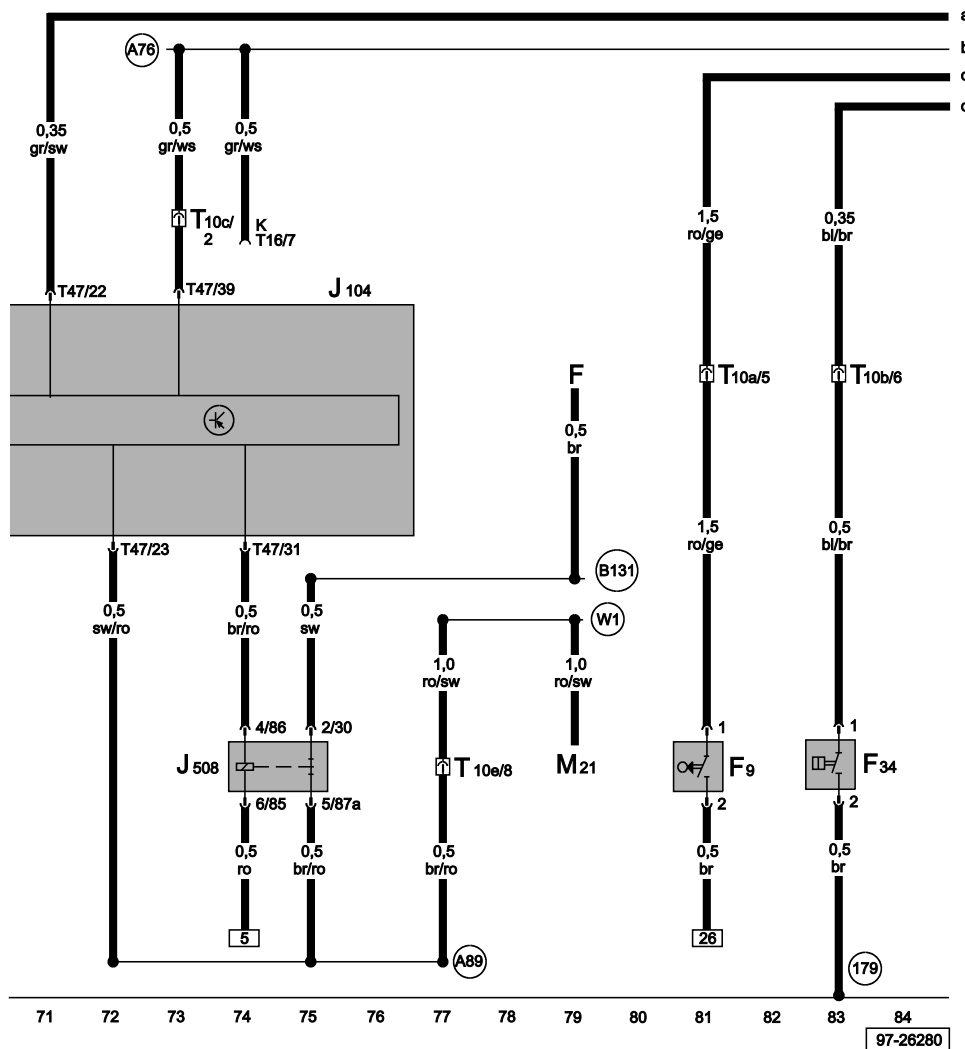


ABS control unit with EDL/TCS/ESP, handbrake warning switch, brake light suppression relay, brake fluid level warning contact

- F Brake light switch
- F9 Handbrake warning switch
- F34 Brake fluid level warning contact
- J104 ABS control unit with EDL/TCS/ESP, on left in engine compartment
- J508 Brake light suppression relay, on additional relay carrier above relay plate
- M21 Left brake and tail light bulb
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10e 10-pin connector, light pink, near relay station
- T16 16-pin connector, self-diagnosis connection
- T47 47-pin connector

- 179 Earth connection, in left headlight wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- A89 Connection (54), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- W1 Positive connection (54), in interior light wiring harness

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





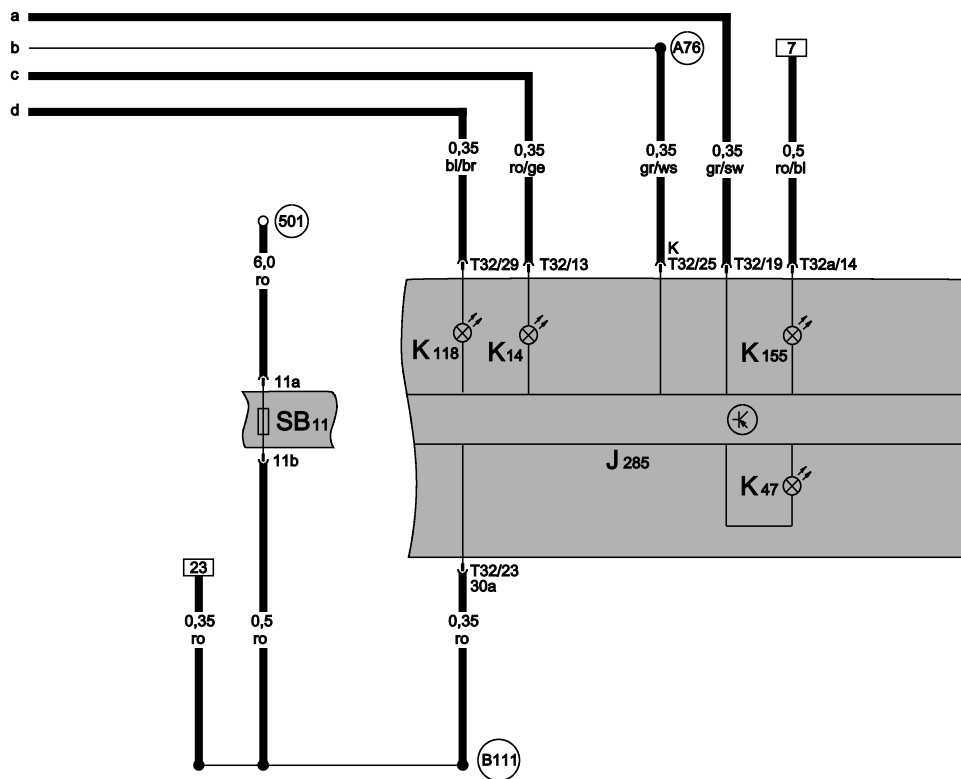
Control unit with display in dash panel insert, handbrake warning lamp, ABS warning lamp

- J285 Control unit with display in dash panel insert
- K14 Handbrake warning lamp
- K47 ABS warning lamp
- K118 Brake system warning lamp
- K155 TCS and ESP warning lamp
- SB11 Fuse 11 on fuse holder
- T32 32-pin connector, blue

501 Screw connection 2 (30), on relay plate

A76 Connection (K-diagnosis wire), in dash panel wiring harness

B111 Positive connection 1 (30a), in interior wiring harness



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85 86 87 88 89 90 91 92 93 94 95 96 97 98

97-26281

Anti-lock brake system (ABS) with electronic differential lock (EDL)

⇒ 1.4 l/44 kW - Motronic, engine codes AUD, models with an automatic gearbox

⇒ 1.4 l/55 kW - 4LV, engine code AUA, models with an automatic gearbox

From May 1997

Notes:

For information concerning

◆ Relay and fuse assignment

◆ Multi-pin connectors

◆ Control units and relays

◆ Earth connections

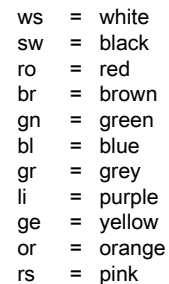
⇒ Overview of Fitting Locations!

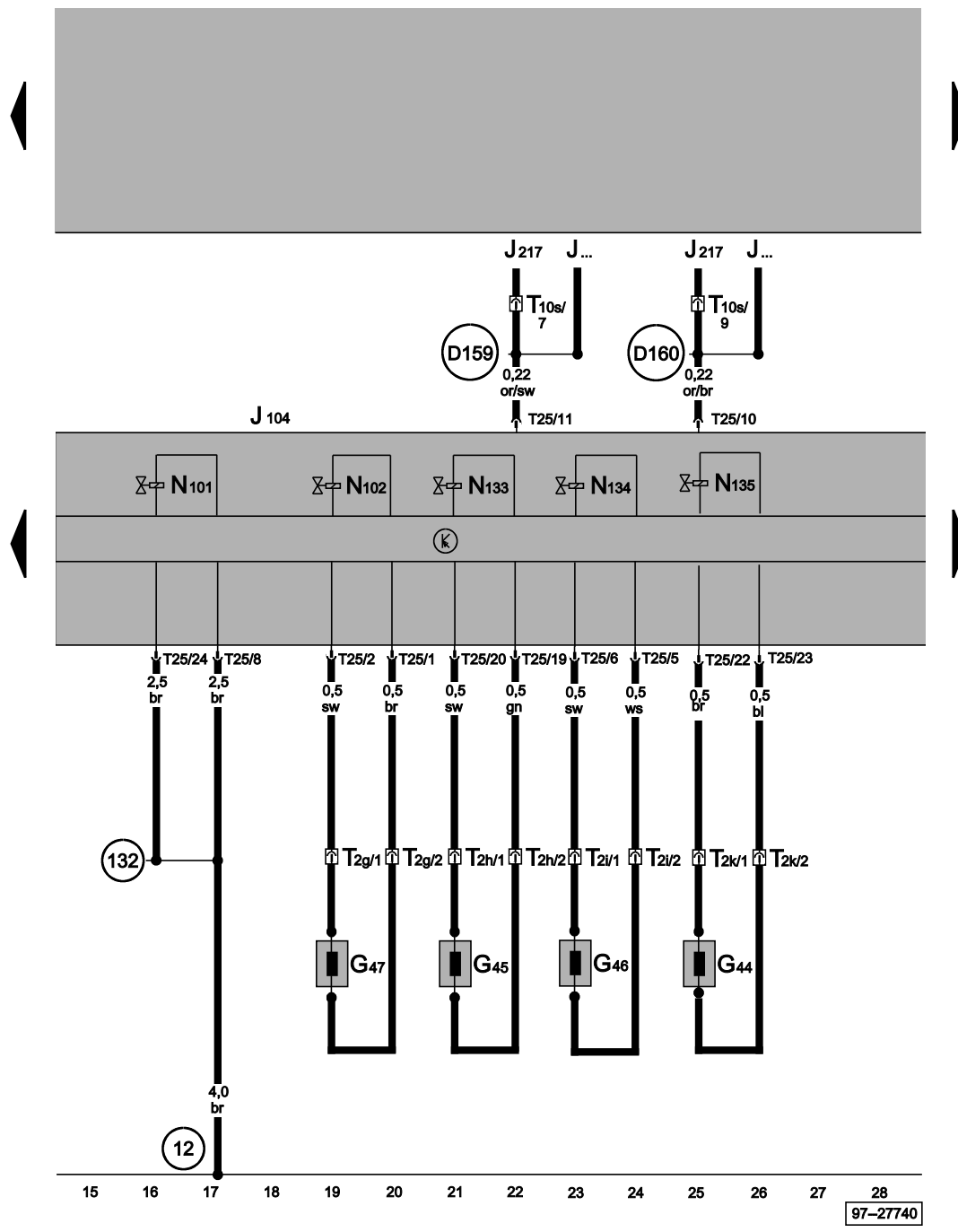
For information concerning

◆ Fault Finding Programs

⇒ Guided Fault Finding

1	Earth strap, battery - body
A134	Connection (right ABS impulse), in dash panel wiring harness
*	Only models with navigation





ABS control unit, inlet valves, outlet valves

- G44 Rear right speed sensor
- G45 Front right speed sensor
- G46 Rear left speed sensor
- G47 Front left speed sensor
- J... Engine control units
- J104 ABS control unit, on left in engine compartment
- J217 Automatic gearbox control unit, centre in plenum chamber
- N101 Front left ABS inlet valve
- N102 Front left ABS outlet valve
- N133 Rear right ABS inlet valve
- N134 Rear left ABS inlet valve
- N135 Rear right ABS outlet valve
- T2g 2-pin connector, black, behind left suspension strut
- T2h 2-pin connector, black, behind right suspension strut
- T2i 2-pin connector, black, under rear bench seat
- T2k 2-pin connector, black, under rear bench seat
- T10s 10-pin connector, light green, near relay station
- T25 25-pin connector, black, on ABS control unit
- 12 Earth point, on left in engine compartment
- 132 Earth connection 3, in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness

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

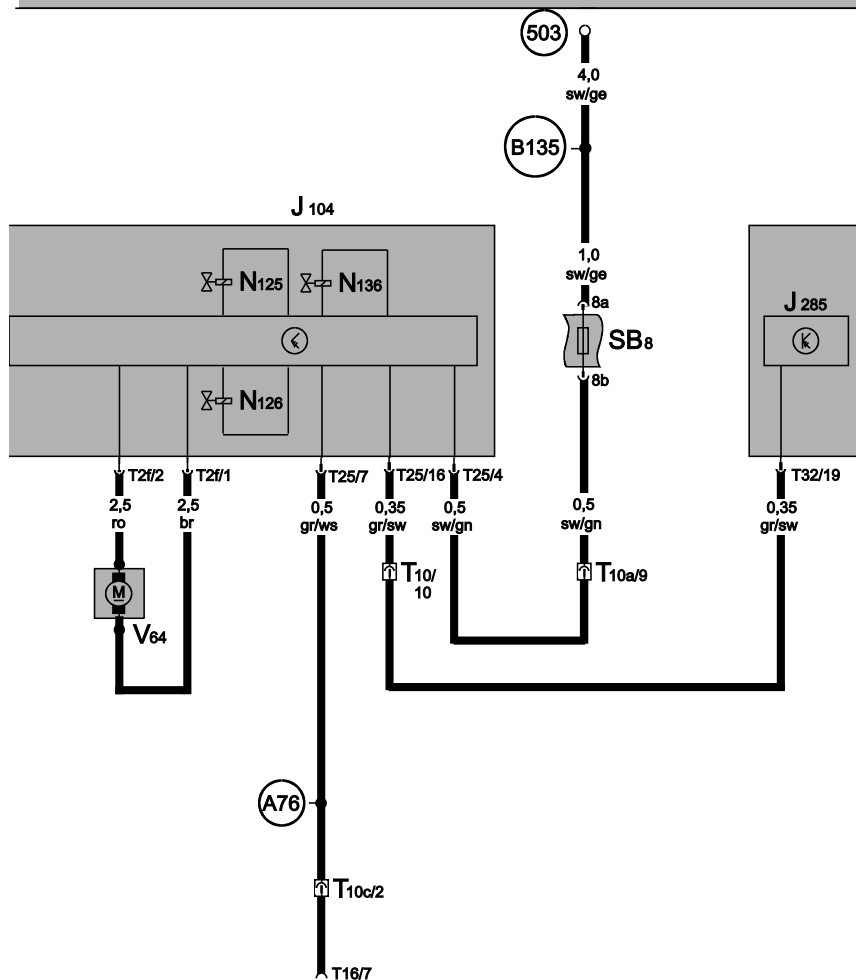
ABS control unit, inlet valves, dash panel insert, self-diagnosis connection, differential lock valves 1 and 2

- J104 ABS control unit, on left in engine compartment
- J285 Control unit with display in dash panel insert
- N125 Differential lock valve 1
- N126 Differential lock lock valve 2
- N136 Rear left ABS outlet valve
- SB8 Fuse 8 in relay plate fuse holder
- T2f 2-pin connector, black, on ABS control unit
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10c 10-pin connector, blue, near relay station
- T16 16-pin connector, self-diagnosis connection
- T25 25-pin connector, black, on ABS control unit
- V64 ABS hydraulic pump, on ABS control unit
- T32 32-pin connector, blue, on dash panel insert

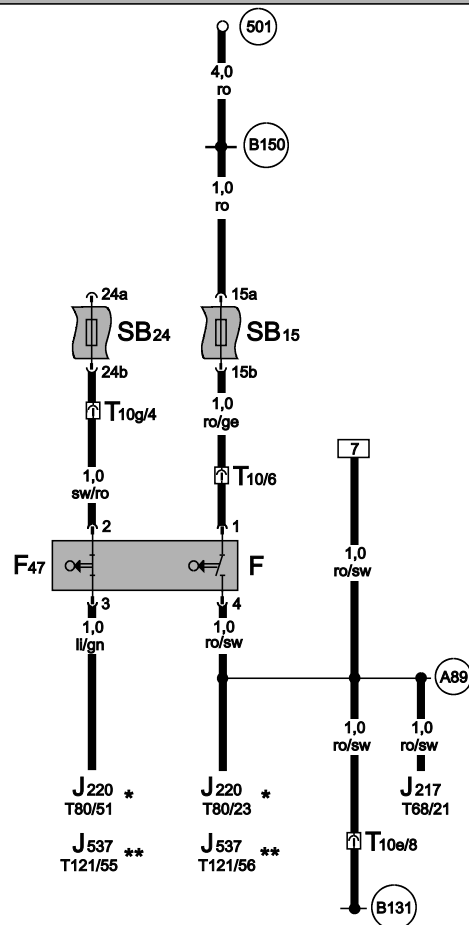
503 Screw connection (75x), on relay plate

A76 Connection (K-diagnosis wire), in dash panel wiring harness

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



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Brake light switch

- F Brake light switch
- F47 Brake pedal switch
- J217 Automatic gearbox control unit, centre in plenum chamber
- J220 Motronic control unit
- J537 4LV injection system control unit
- SB15 Fuse 15 on fuse holder
- SB24 Fuse 24 on fuse holder
- T10 10-pin connector, white, near relay station
- T10e 10-pin connector, light pink, near relay station
- T10g 10-pin connector, brown, near relay station
- T80 80-pin connector
- T121 121-pin connector

- 501 Screw connection 2 (30), on relay plate
- A89 Connection 2 (54), in dash panel wiring harness
- B131 Connection (54), in interior wiring harness
- B150 Positive connection 2 (30a), in interior wiring harness

- * Only engine code ANW
- ** Only engine code AUA

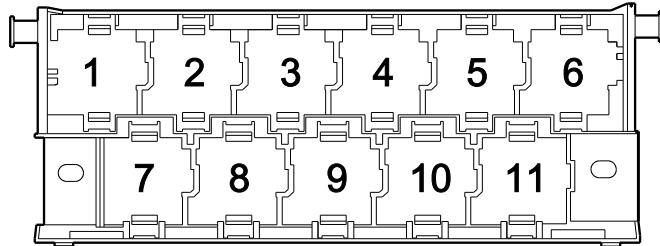
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Airbag system

- ⇒ Driver`s and front passenger`s airbag
- ⇒ Seat belt tensioner
- ⇒ Side airbags

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

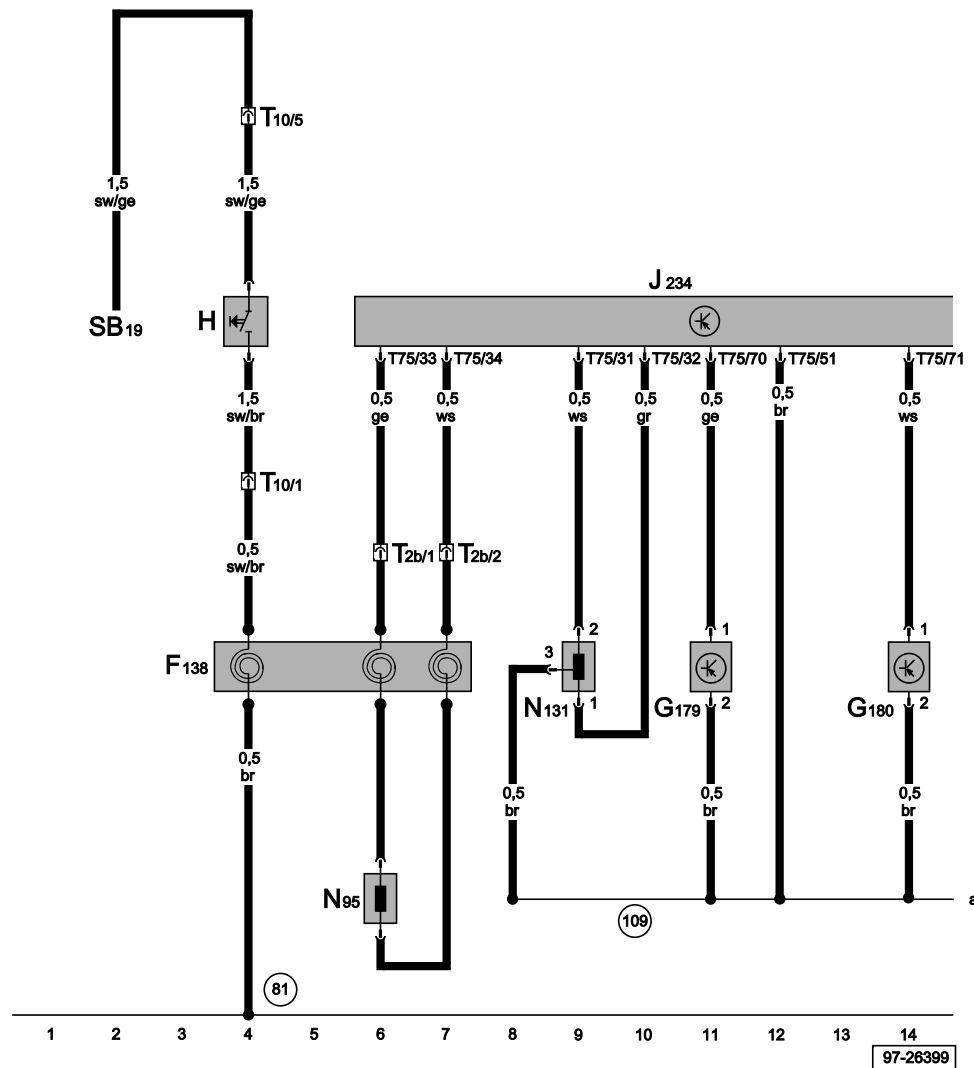
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

Airbag control unit, airbag coil connector, front airbag igniter, side airbag crash sensors

- F138 Coil spring for airbag
- G179 Side airbag crash sensor, driver's side
- G180 Side airbag crash sensor, front passenger's side
- H Horn plate
- J234 Airbag control unit, behind lower console
- N95 Airbag igniter, driver side
- N131 Airbag igniter 1, front passenger side
- SB19 Fuse -19- on fuse holder
- T2b 2-pin connector, next to steering column
- T10 10-pin connector, white, coupling station below relay carrier
- T75 75-pin connector

81 Earth connection -1-, in dash panel wiring harness

109 Earth connection, in airbag wiring harness



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J234	Airbag control unit, behind lower console
N153	Belt tensioner igniter, driver's side
N154	Belt tensioner igniter, front passenger's side
N199	Side airbag igniter, driver's side
N200	Side airbag igniter, front passenger's side
T2	2-pin connector, under driver's seat
T2a	2-pin connector, under driver's seat
T3	3-pin connector, under driver's seat
T3a	3-pin connector, under front passenger's seat
T75	75-pin connector

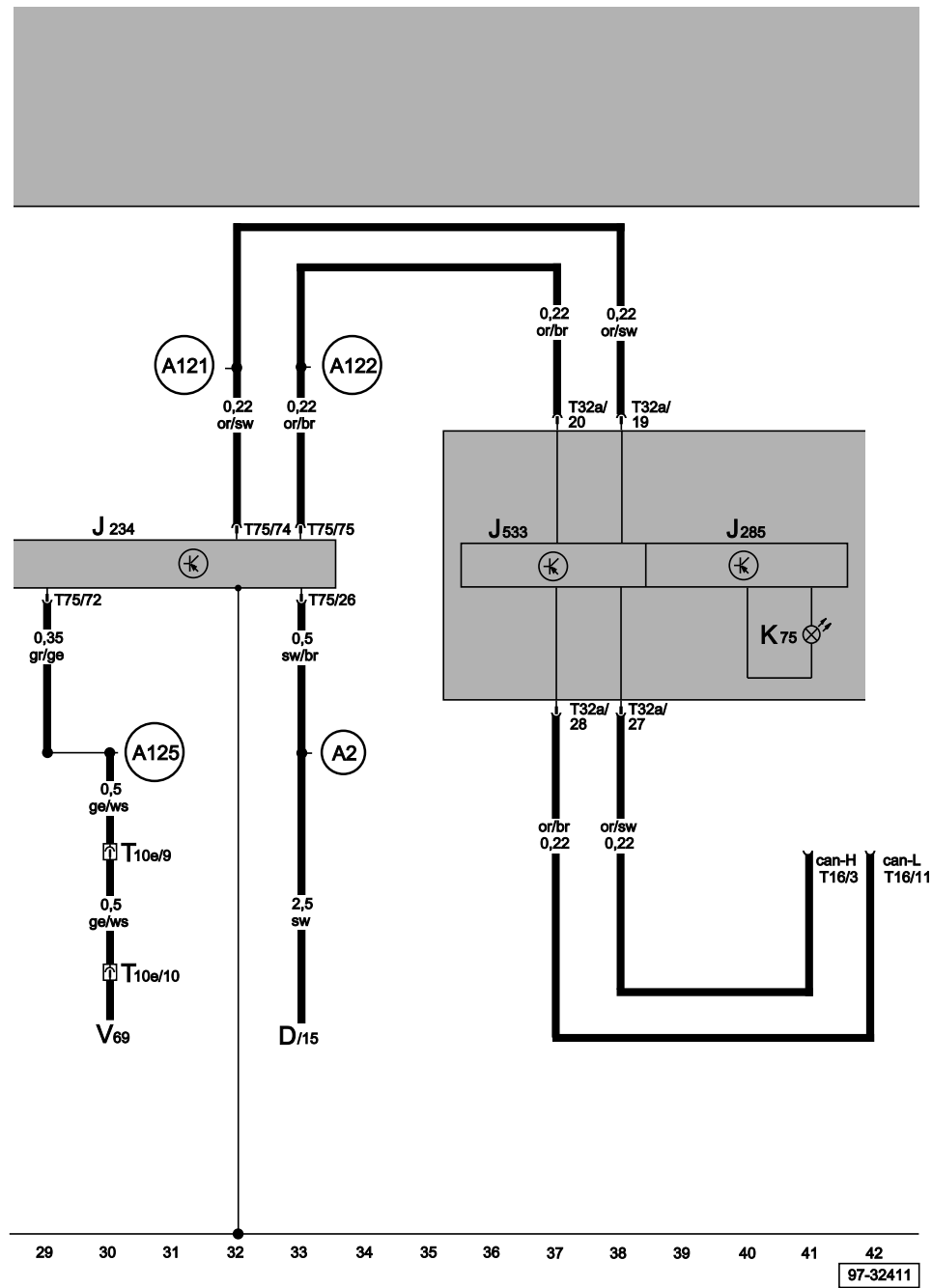
- 34 Earth point, on driver's seat
- 35 Earth point, on front passenger's seat
- 109 Earth connection, in airbag wiring harness
- 135 Earth connection -2-, in dash panel wiring harness
- * Wire to prevent static charging of seat



Airbag control unit, airbag warning lamp, self-diagnosis connection, data bus diagnostic interface, control unit with display in dash panel insert

- D Ignition/starter switch
- J234 Airbag control unit, behind lower console
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- K75 Airbag warning lamp, in dash panel insert
- T10e 10-pin connector, light pink, connector point under relay carrier
- T16 16-pin connector, self-diagnosis connection
- T32a 32-pin connector, green
- T75 75-pin connector
- V69 Central locking pump with control unit

- A2 Positive (+) connection (15), in dash panel wiring harness
- A125 Connection (crash signal), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness



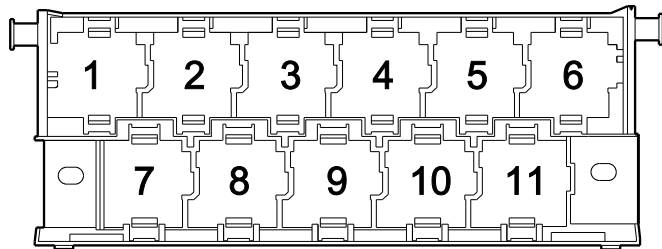
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Automatic gearbox

- ⇒ 1.4 l/44 kW Motronic, engine codes AUD, AKK, AKP
- ⇒ 1.4 l/55 kW - 4LV, engine codes AUA, APE
- ⇒ 1.6 l/92 kW Simos, engine codes ARC

From October 1999

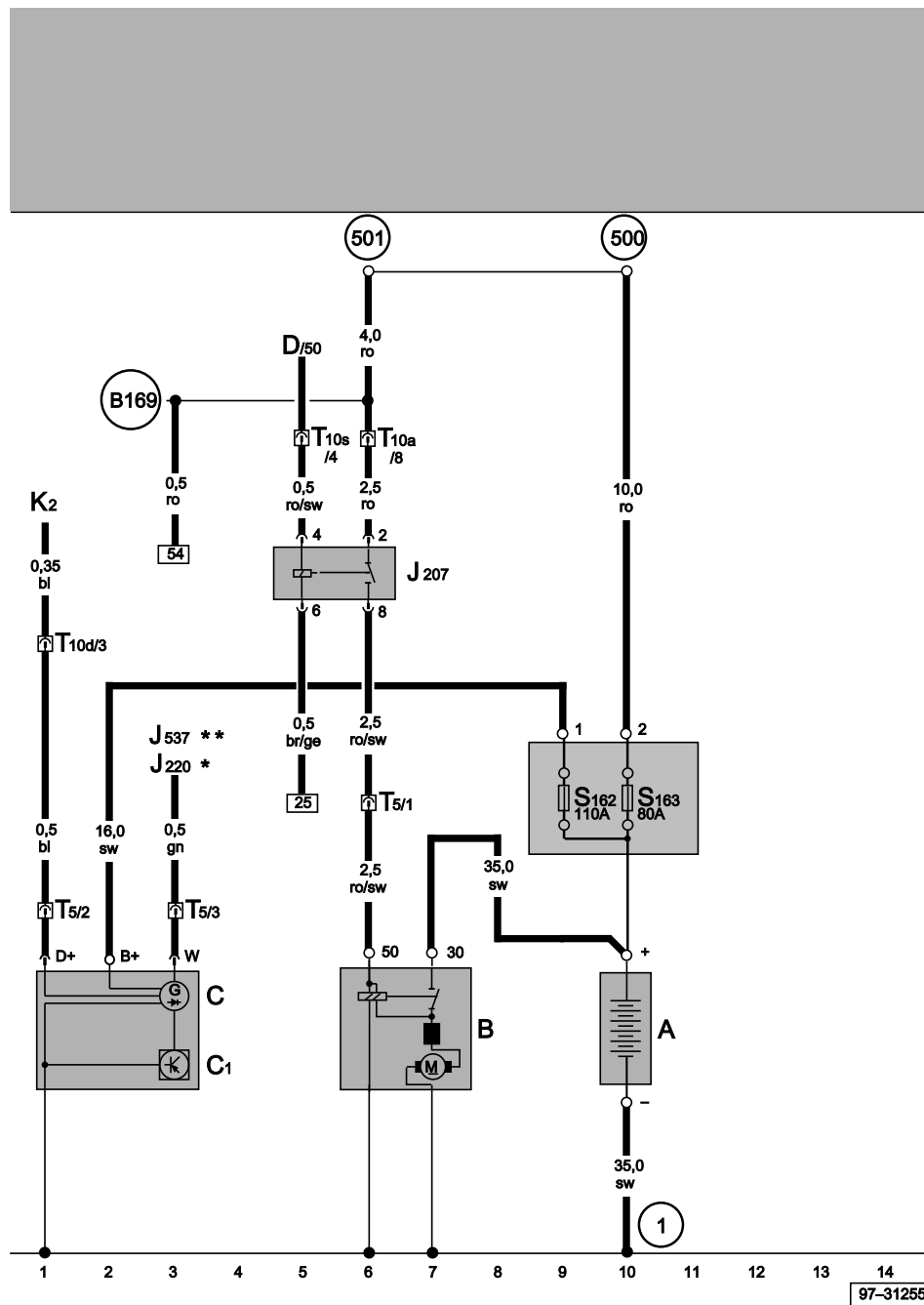
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

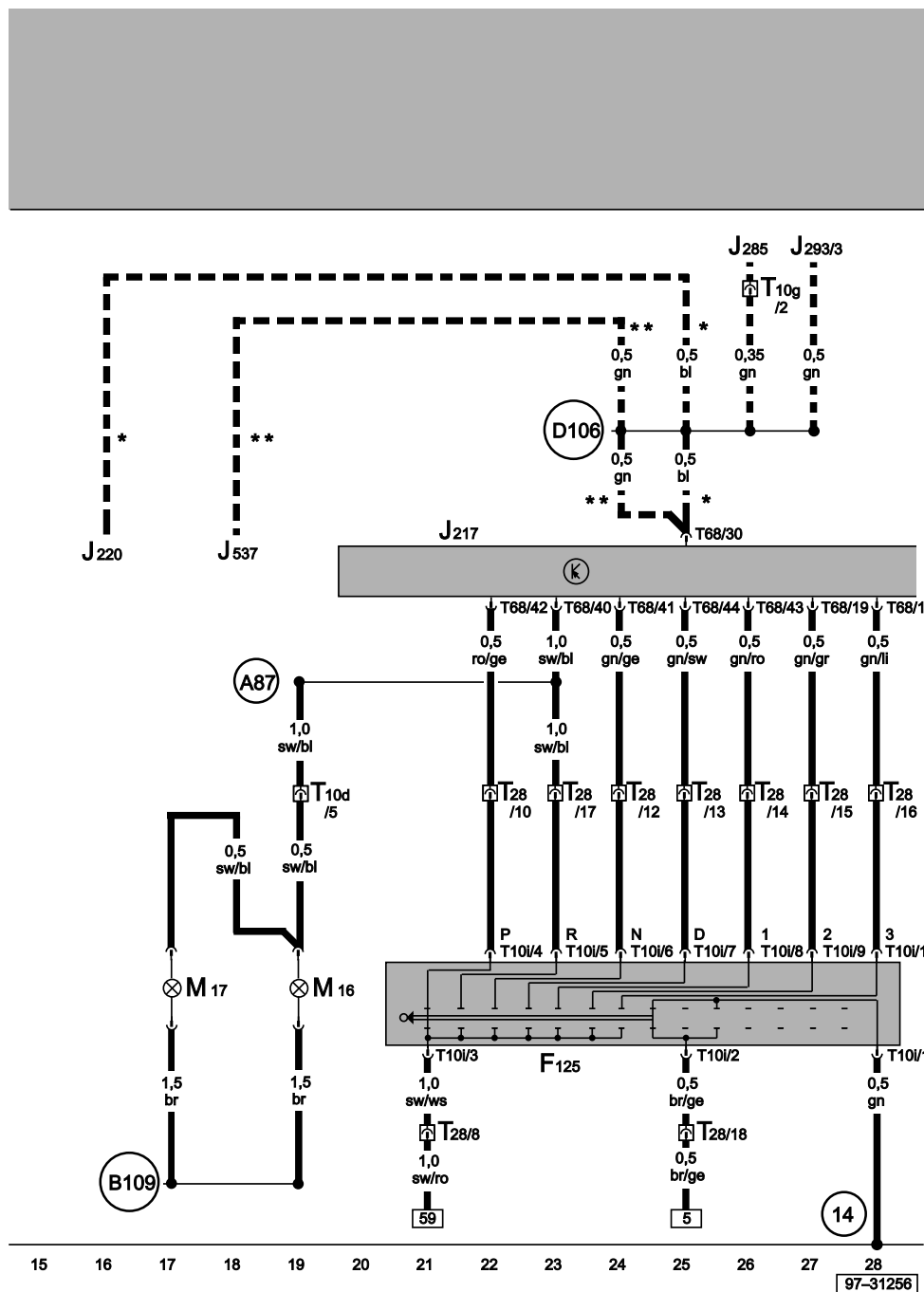


Battery, starter, alternator, voltage regulator, radiator fan, starter inhibitor relay

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- J207 Starter inhibitor relay
- J220 Motronic control unit
- J537 4LV control unit (injection system)
- K2 Alternator warning lamp
- S162 Fuse -1- (30), in fuse box
- S163 Fuse -2- (30), in fuse box
- T5 5-pin connector
- T10a 10-pin connector, green, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier

- 1 Earth strap, battery - body
- 500 Screw connection -1- (30), on relay plate
- 501 Screw connection -2- (30), on relay plate
- B169 Positive (+) connection -1- (30), in interior wiring harness
- * Only engine codes AUD, AKK, AKP (T80/11)
- ** Only engine codes ARC (T121/13) and APE, AUA (T121/28)

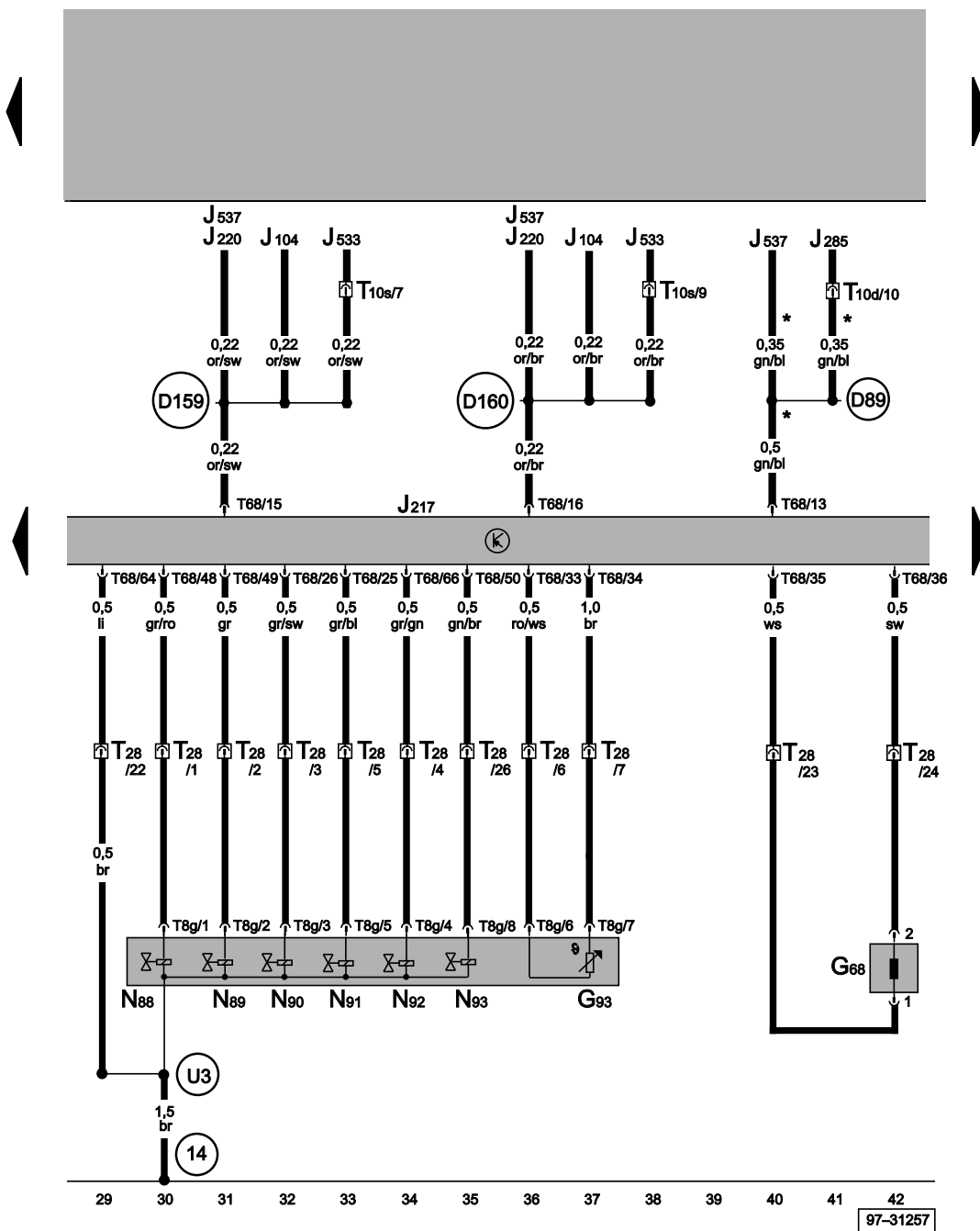
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- rs = pink



Motronic control unit, automatic gearbox control unit, multi-function switch, reversing light bulb, right, reversing light bulb, left

- F125 Multi-function switch
- J217 Automatic gearbox control unit, in plenum chamber
- J220 Motronic control unit
- J285 Control unit with display in dash panel insert
- J293 Radiator fan control unit
- J537 4LV control unit (injection system)
- M16 Reversing light bulb, left
- M17 Reversing light bulb, right
- T10d 10-pin connector, red, near relay station
- T10g 10-pin connector, brown, connector point under relay carrier
- T10i 10-pin connector, black
- T28 28-pin connector, on gearbox
- T68 68-pin connector, black
- 14 Earth point, on gearbox
- A87 Connection (RF (reversing light)), in dash panel wiring harness
- B109 Earth connection, in interior wiring harness, rear left
- D106 Connection -4-, in engine compartment wiring harness
- Only models with air conditioner
- * Only engine codes AHW (T80/8) and AUD, AKK, AKP (T80/42)
- ** Only engine codes ARC (T121/76) and AUA, APE (T121/41)

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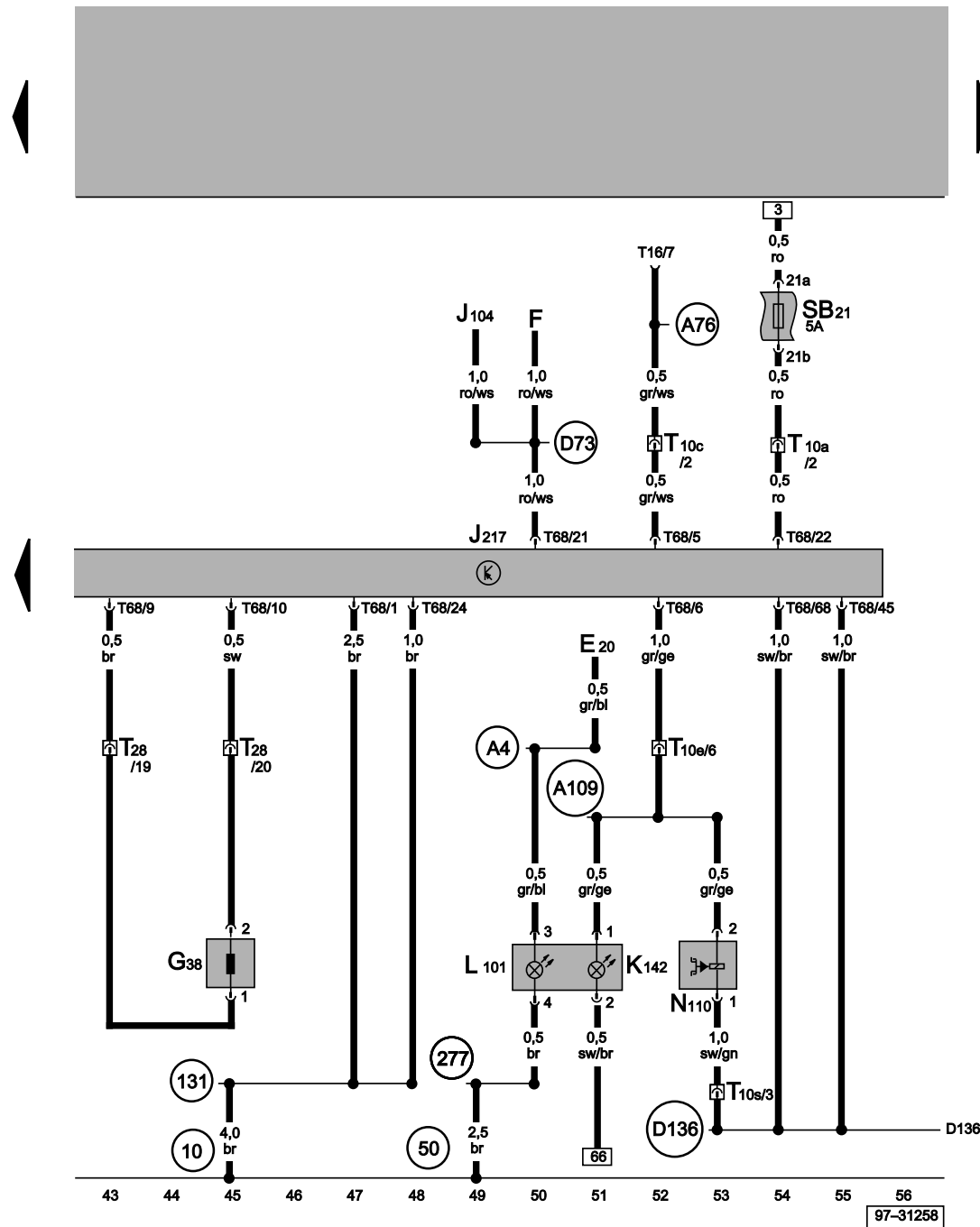
Automatic gearbox control unit, solenoid valves, vehicle speed sender

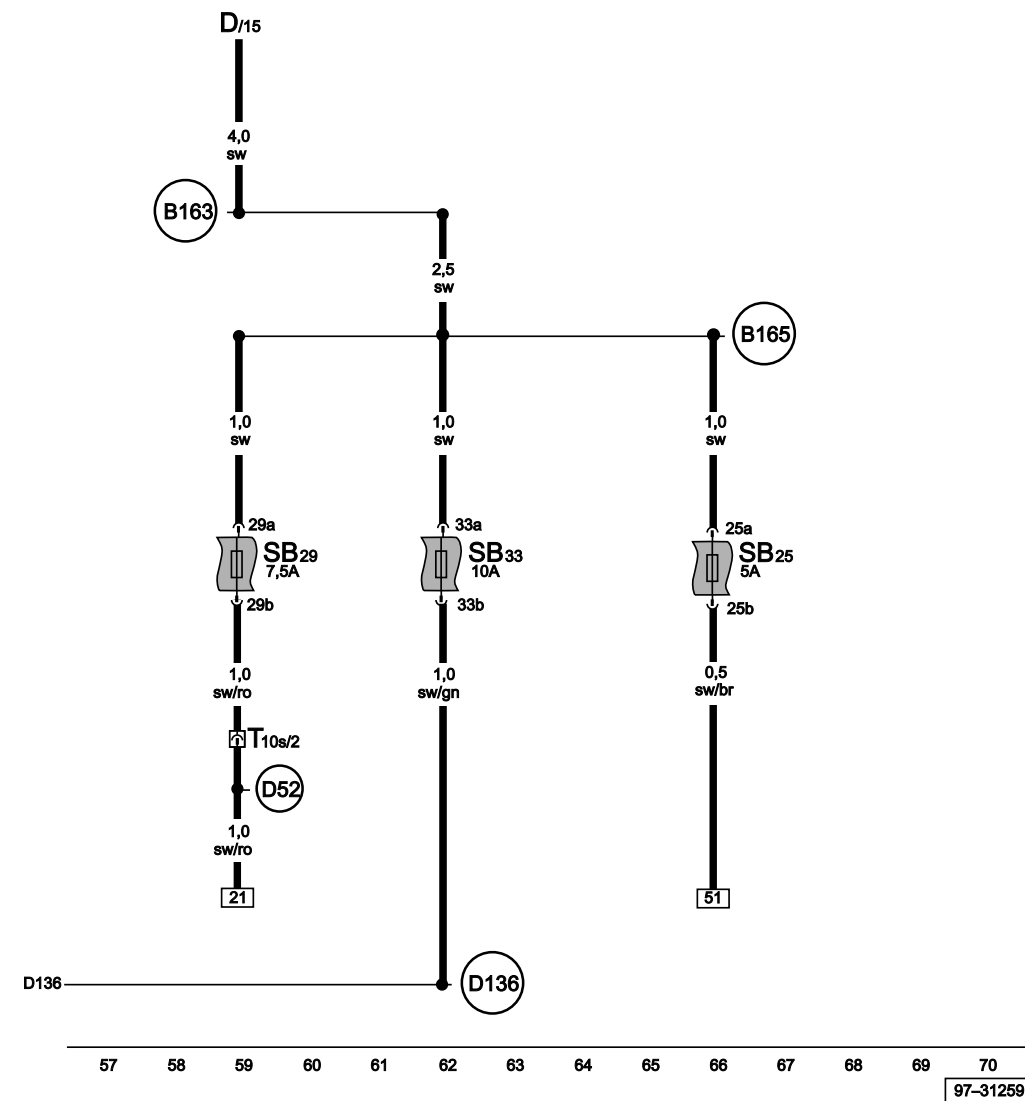
- G68 Vehicle speed sender
- G93 Gearbox oil temperature sender
- J104 ABS with EDL control unit
- J217 Automatic gearbox control unit
- J220 Motronic control unit
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- J537 4LV control unit (injection system)
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N92 Solenoid valve 5
- N93 Solenoid valve 6
- T8g 8-pin connector, black
- T10d 10-pin connector, red
- T10s 10-pin connector, light green
- T28 28-pin connector, black
- T68 68-pin connector, black
- 14 Earth point, on gearbox
- D89 Connection (Control units), in engine compartment wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness
- U3 Connection -1-, in automatic gearbox wiring harness
- * Only engine codes AUA, APE

Automatic gearbox control unit, gearbox speed sender, selector lever lock solenoid, self-diagnosis connection

- E20 Switches and instruments
- F Brake light switch
- G38 Gearbox speed sender
- J104 ABS control unit, in engine compartment, left
- J217 Automatic gearbox control unit
- K142 Selector lever position P/N warning lamp
- L101 Selector lever display illumination
- N110 Selector lever lock solenoid
- SB21 Fuse -21- in fuse box
- T10a 10-pin connector, green
- T10c 10-pin connector, blue
- T10e 10-pin connector, light pink
- T10s 10-pin connector, light green
- T16 16-pin connector, self-diagnosis connection
- T28 28-pin connector, black
- T68 68-pin connector, black
- 10 Earth point, in plenum chamber
- 50 Earth point, on left luggage compartment
- 131 Earth connection -2-, in engine compartment wiring harness
- 277 Earth connection -3-, in interior wiring harness
- A4 Positive (+) connection (58b), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A109 Connection (selector lever function display), in dash panel wiring harness
- D73 Positive (+) connection (54), in engine compartment wiring harness
- D136 Positive (+) connection -2- (15a), in engine compartment wiring harness

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Selector lever illumination, fuse for selector lever position P/N warning lamp, fuse for selector lever lock solenoid, fuse for multi-function switch

- D Ignition/starter switch
- SB25 Fuse -25- in fuse box
- SB29 Fuse -29- in fuse box
- SB33 Fuse -33- in fuse box
- T10s 10-pin connector, light green
- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness
- D52 Positive (+) connection (15a), in engine compartment wiring harness
- D136 Positive (+) connection -2- (15a), in engine compartment wiring harness

Gas discharge headlight, automatic headlight range control

From October 1999

Notes:

For information concerning

- ◆ Relay and fuse assignment

- ◆ Multi-pin connectors

- ◆ Control units and relays

- ◆ Earth connections

⇒ Overview of Fitting Locations!

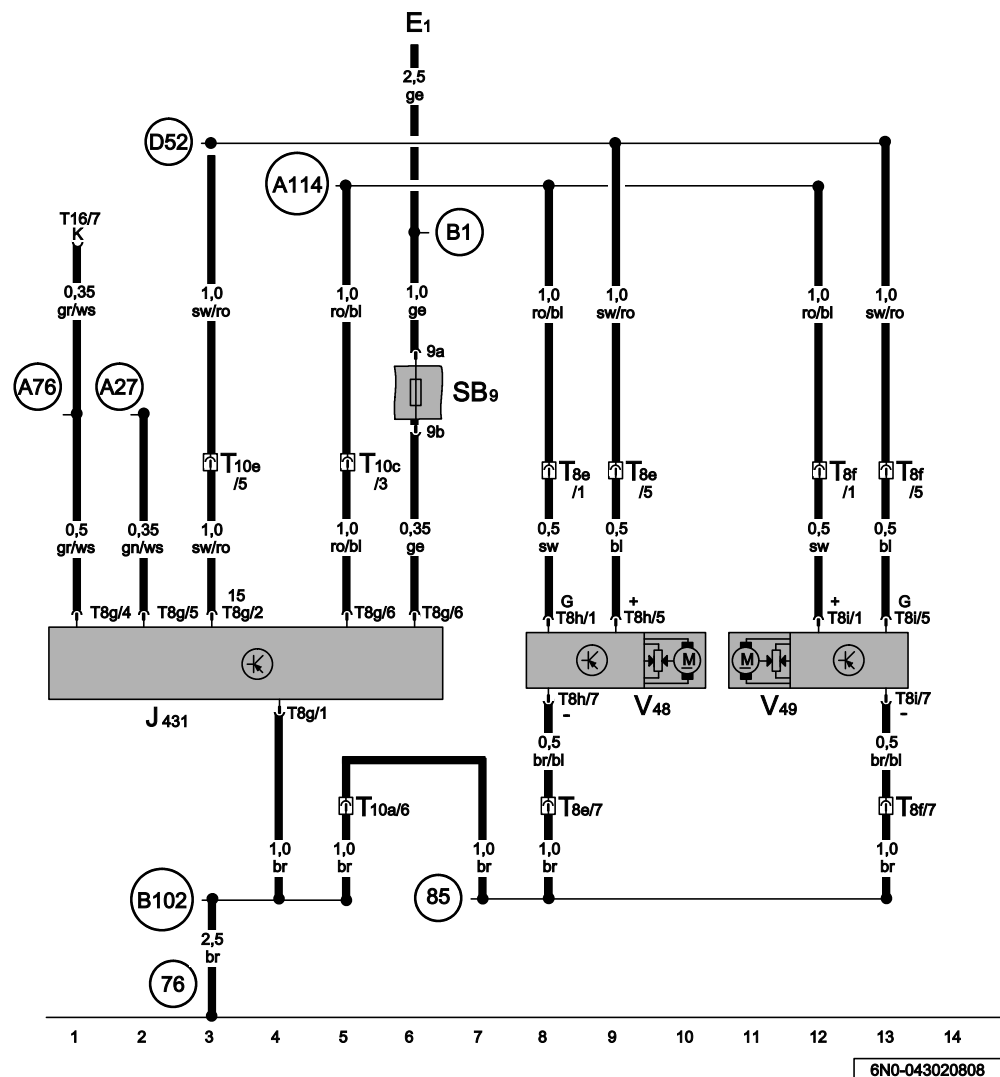
For information concerning

- ◆ Fault Finding Programs

⇒ Guided Fault Finding

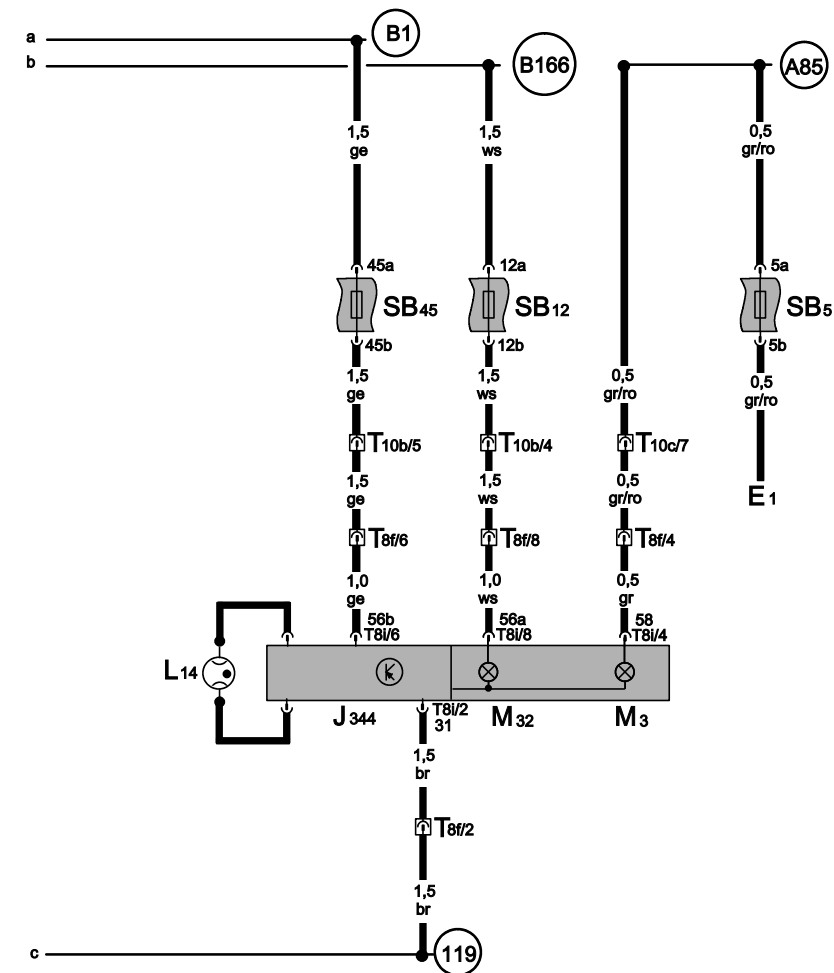
Headlight range control unit, right headlight range control motor, left headlight range control motor, self-diagnosis connection

- E1 Light switch
- J431 Headlight range control unit, on left in luggage compartment
- SB9 Fuse 9 in relay plate fuse holder
- T8e 8-pin connector, black, near left headlight
- T8f 8-pin connector, black, near left headlight
- T8g 8-pin connector
- T8h 8-pin connector, adapter wiring on left headlight
- T8i 8-pin connector, adapter wiring on right headlight
- T10a 10-pin connector, green
- T10c 10-pin connector, blue
- T10e 10-pin connector, pink
- T16 16-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor
- 76 Earth point, near selector mechanism
- 85 Earth connection 1, in engine compartment wiring harness
- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- A114 Connection (headlight range control), in dash panel wiring harness
- B1 Connection (56b), in steering column switch wiring harness
- B102 Earth connection, in front left interior wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness



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Left gas discharge light control unit, left gas discharge light, left headlight



- E1 Light switch
- E4 Headlight dipper and flasher switch
- J343 Left gas discharge bulb control unit
- L13 Left gas discharge (xenon) bulb
- M1 Left side light bulb
- M30 Left headlight main beam bulb
- SB4 Fuse 4 in relay plate fuse holder
- SB13 Fuse 13 in relay plate fuse holder
- SB44 Fuse 44 in relay plate fuse holder
- T8e 8-pin connector, black, near left headlight
- T8h 8-pin connector, adapter wiring on left headlight
- T10c 10-pin connector, blue, coupling station under relay carrier
- T10d 10-pin connector, red, coupling station under relay carrier

- 12 Earth point, on left in engine compartment
- 119 Earth connection 1, in headlight wiring harness
- A84 Connection (58L), in dash panel wiring harness
- B1 Connection (56b), in steering column switch wiring harness
- B144 Positive connection (58L), in interior wiring harness
- B166 Connection (56a), in interior wiring harness

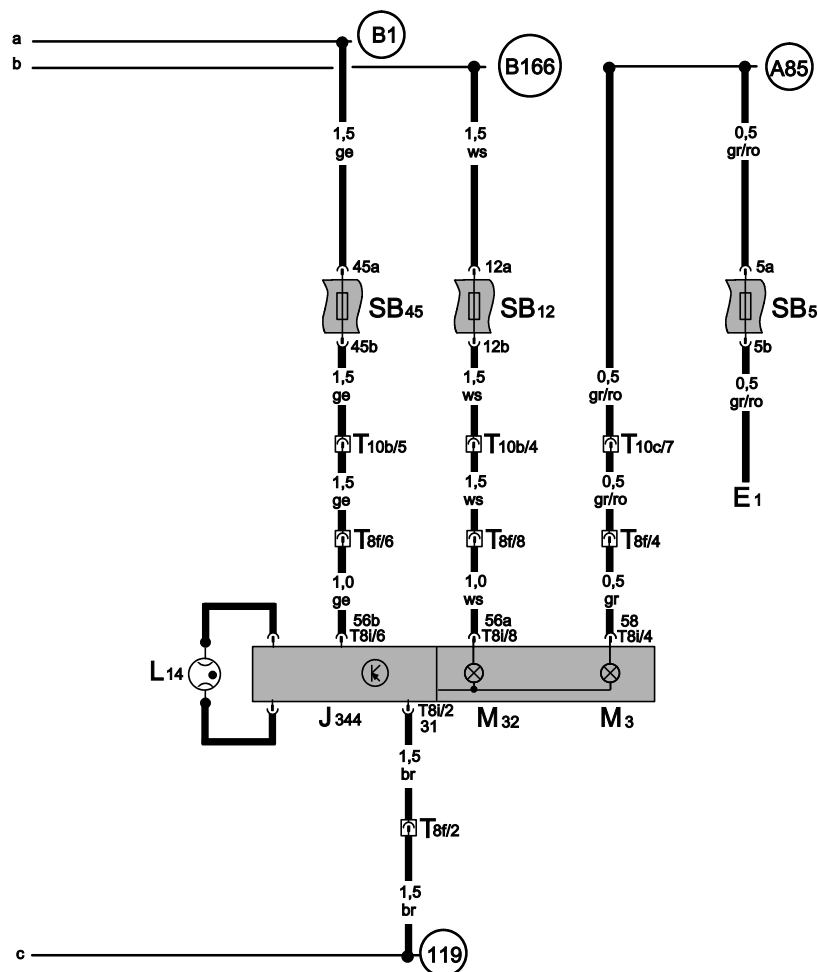
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Right gas discharge light control unit, left gas discharge light, right headlight

- E1 Light switch
- J344 Right gas discharge bulb control unit
- L14 Right gas discharge (xenon) bulb
- M3 Right side light bulb
- M32 Right headlight main beam bulb
- SB5 Fuse 5 in relay plate fuse holder
- SB12 Fuse 12 in relay plate fuse holder
- SB45 Fuse 45 in relay plate fuse holder
- T8f 8-pin connector, black, near left headlight
- T8i 8-pin connector, adapter wiring on right headlight
- T10b 10-pin connector, black, coupling station under relay carrier
- T10c 10-pin connector, blue, coupling station under relay carrier

- 119 Earth connection 1, in headlight wiring harness
- A85 Connection (58R), in dash panel wiring harness
- B1 Connection (56b), in steering column switch wiring harness
- B166 Connection (56a), in interior wiring harness

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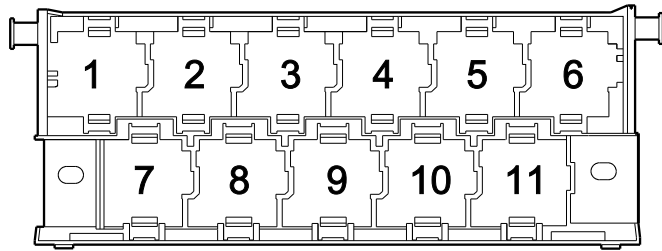
29 30 31 32 33 34 35 36 37 38 39 40 41 42

6N0-043030808

Automatic anti-dazzle interior mirror, rain sensor

From October 1999

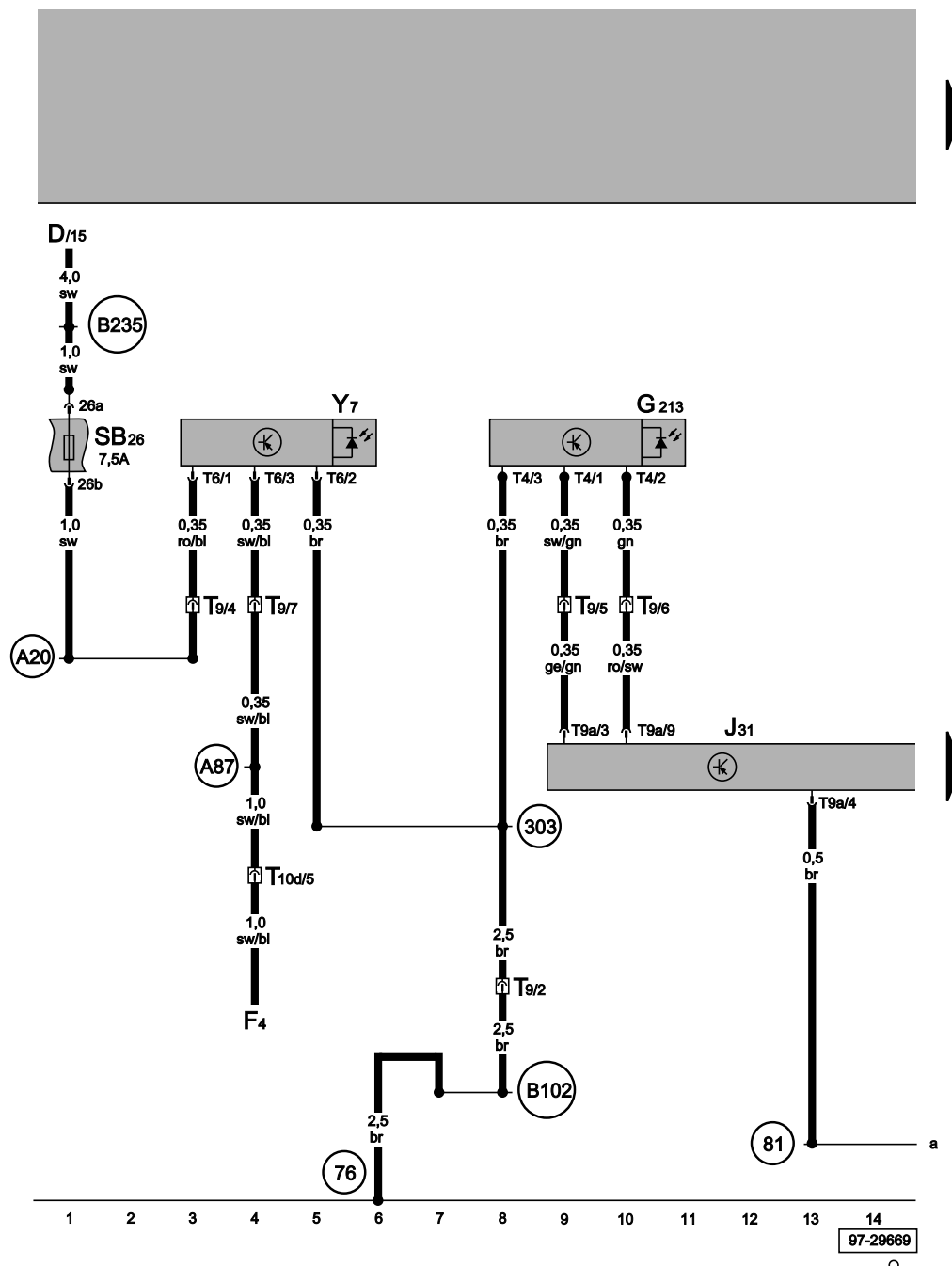
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Automatic intermittent wash/wipe relay, automatic anti-dazzle interior mirror, rain sensor

- D Ignition/starter switch
- F4 Reversing light switch
- G213 Rain sensor
- J31 Automatic intermittent wash/wipe relay, on relay plate
- SB26 Fuse -26- in fuse box
- T4 4-pin connector, near front interior light
- T6 6-pin connector, near interior light, front
- T9 9-pin connector, near interior light, front
- T9a 9-pin connector, on automatic intermittent wash/wipe relay
- T10d 10-pin connector, red, near relay station
- Y7 Automatic anti-dazzle interior mirror

- 76 Earth point, near selector mechanism
- 81 Earth connection -1-, in dash panel wiring harness
- 303 Earth connection -rain sensor/mirror-, in interior wiring harness
- A20 Connection (15a), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B235 Positive (+) connection -4- (15), in interior wiring harness

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Intermittent wiper switch, windscreen wiper motor, windscreen and rear window washer pump, automatic intermittent wash/wipe relay

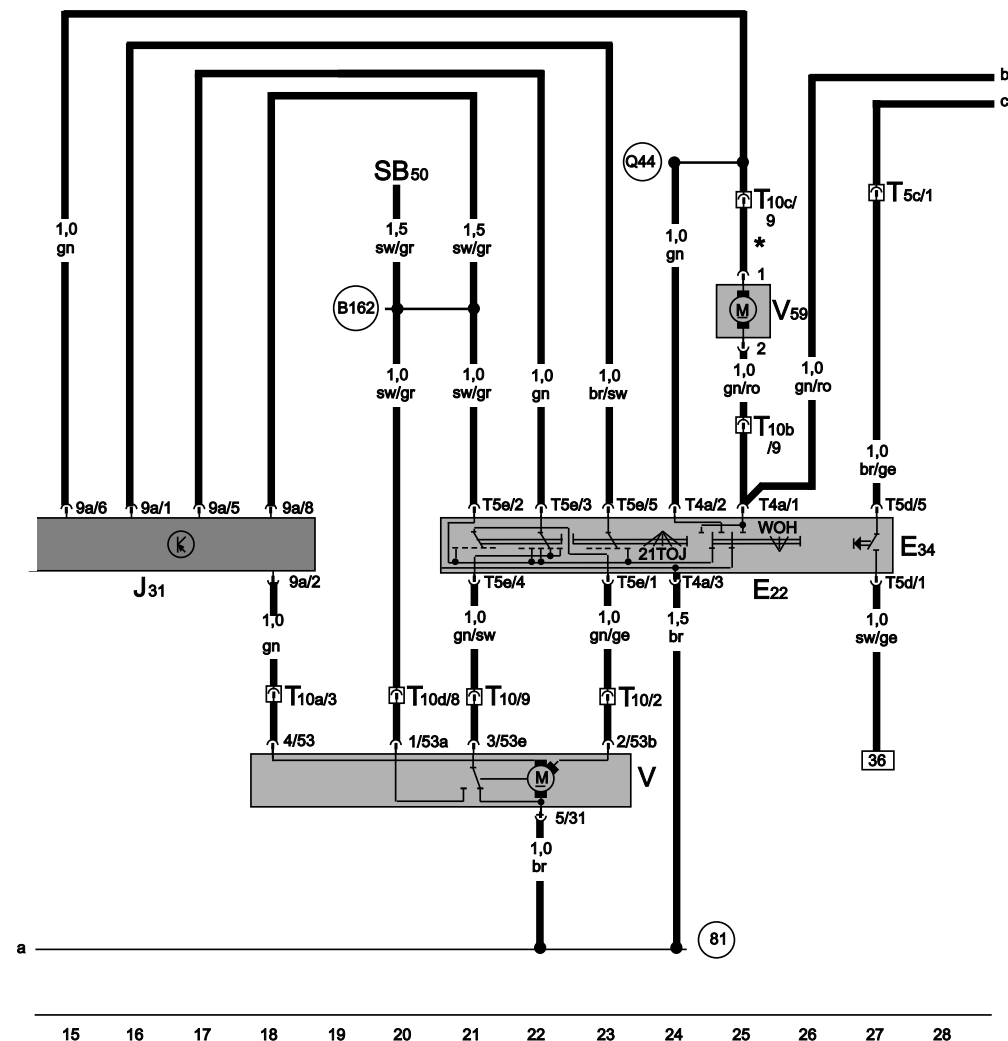
- E22 Intermittent wiper switch
- E34 Rear wiper switch
- J31 Automatic intermittent wash/wipe relay
- SB50 Fuse -50- in fuse box
- T4a 4-pin connector, black, behind steering column switch trim
- T5c 5-pin connector, black, in rear lid pre-wiring wiring harness
- T5d 5-pin connector
- T5e 5-pin connector
- T9a 9-pin connector, on automatic intermittent wash/wipe relay
- T10 10-pin connector, white, near relay station
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red
- V Windscreen wiper motor
- V59 Windscreen and rear window washer pump

81 Earth connection -1-, in dash panel wiring harness

B162 Connection (75a), in interior wiring harness

Q44 Connection -2-, in tailgate/bootlid wiring harness

* Not with headlight washer system



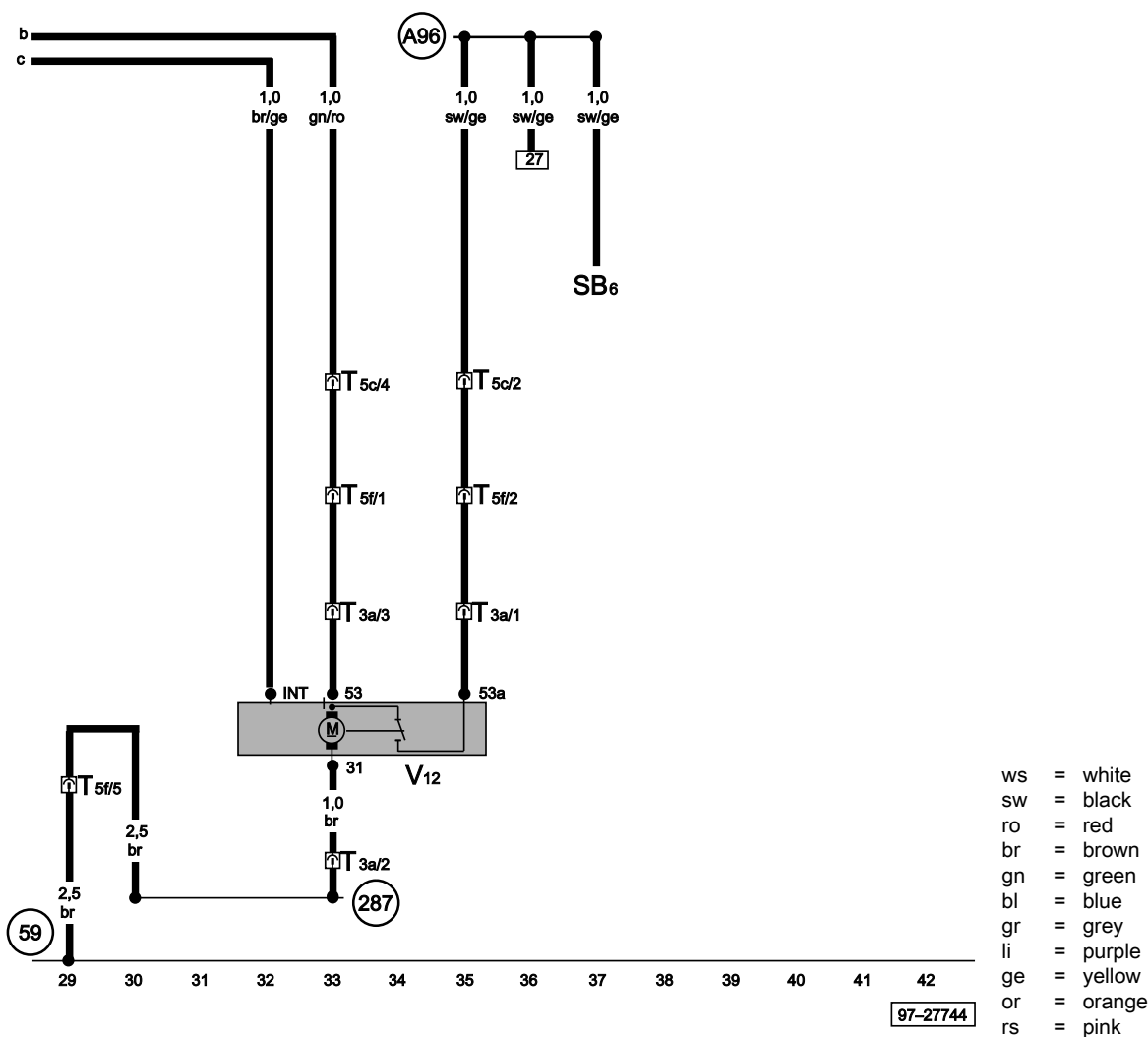
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- or = orange
- rs = pink



Rear window wiper motor

- SB6 Fuse -6- in fuse box/relay plate
- T3a 3-pin connector, black, in tailgate/bootlid, near wiper motor
- T5c 5-pin connector, black, in rear lid pre-wiring wiring harness
- T5f 5-pin connector, black, in tailgate/bootlid
- V12 Rear window wiper motor

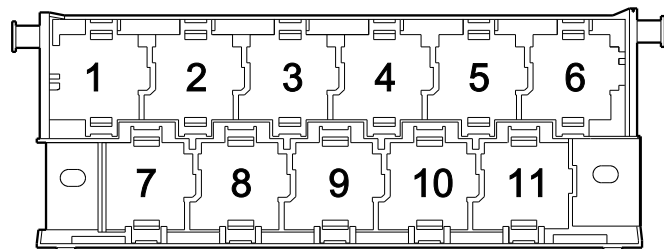
- 59 Earth point, near left tail light
- 287 Earth connection, in rear lid pre-wiring wiring harness
- A96 Connection (53a), in dash panel wiring harness



Air conditioner (manual)

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

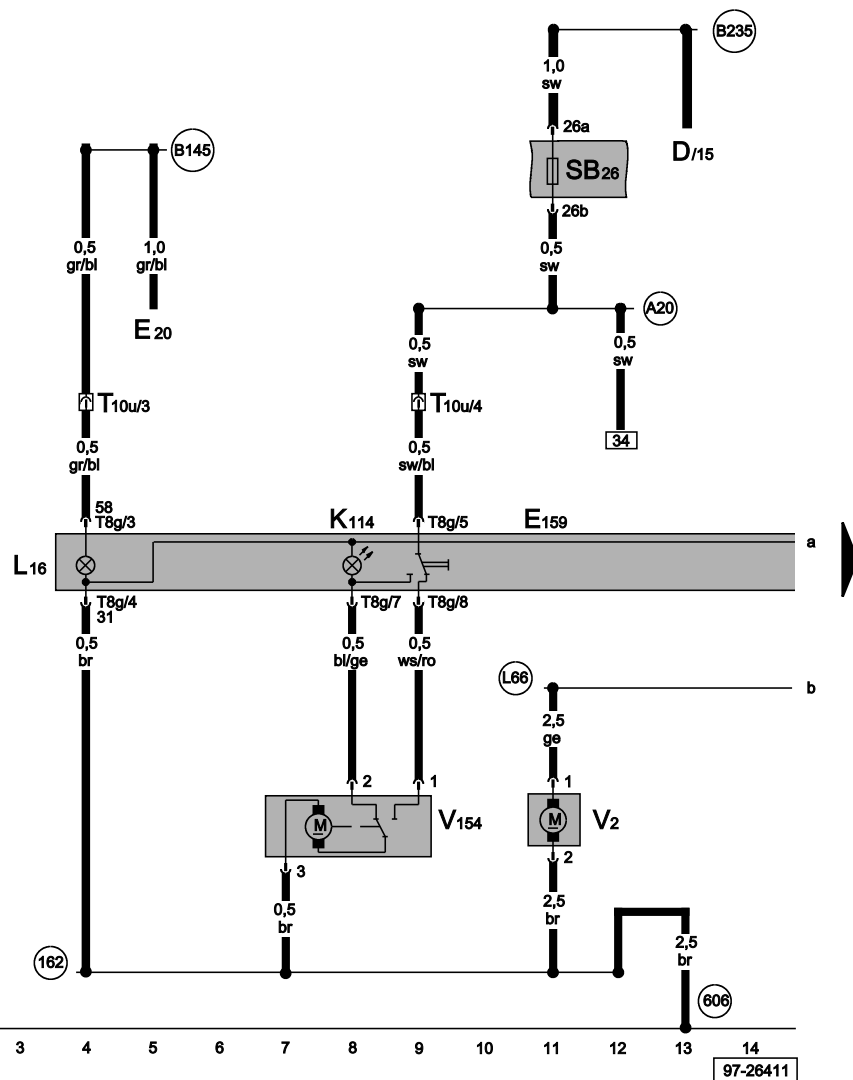
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- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Fresh air/air recirculating flap switch, fresh air blower, fresh/recirculating air flap control motor

- D Ignition/starter switch
- E20 Switches and instruments, lighting control
- E159 Fresh air/air recirculating flap switch
- K114 Fresh air/air recirculation warning lamp
- L16 Fresh air controls light bulb
- SB26 Fuse -26- in fuse box/relay plate
- T8g 8-pin connector, behind dash panel, centre
- T10u 10-pin connector, behind dash panel, centre
- V2 Fresh air blower
- V154 Fresh/recirculating air flap control motor

- 606 Earth point, under the centre console, near gear stick
- 162 Earth connection, in blower motor wiring harness
- A20 Connection (15a), in dash panel wiring harness
- B145 Positive (+) connection (58b), in interior wiring harness
- B235 Connection -1- (15a), in interior wiring harness
- L66 Connection, in heater blower wiring harness

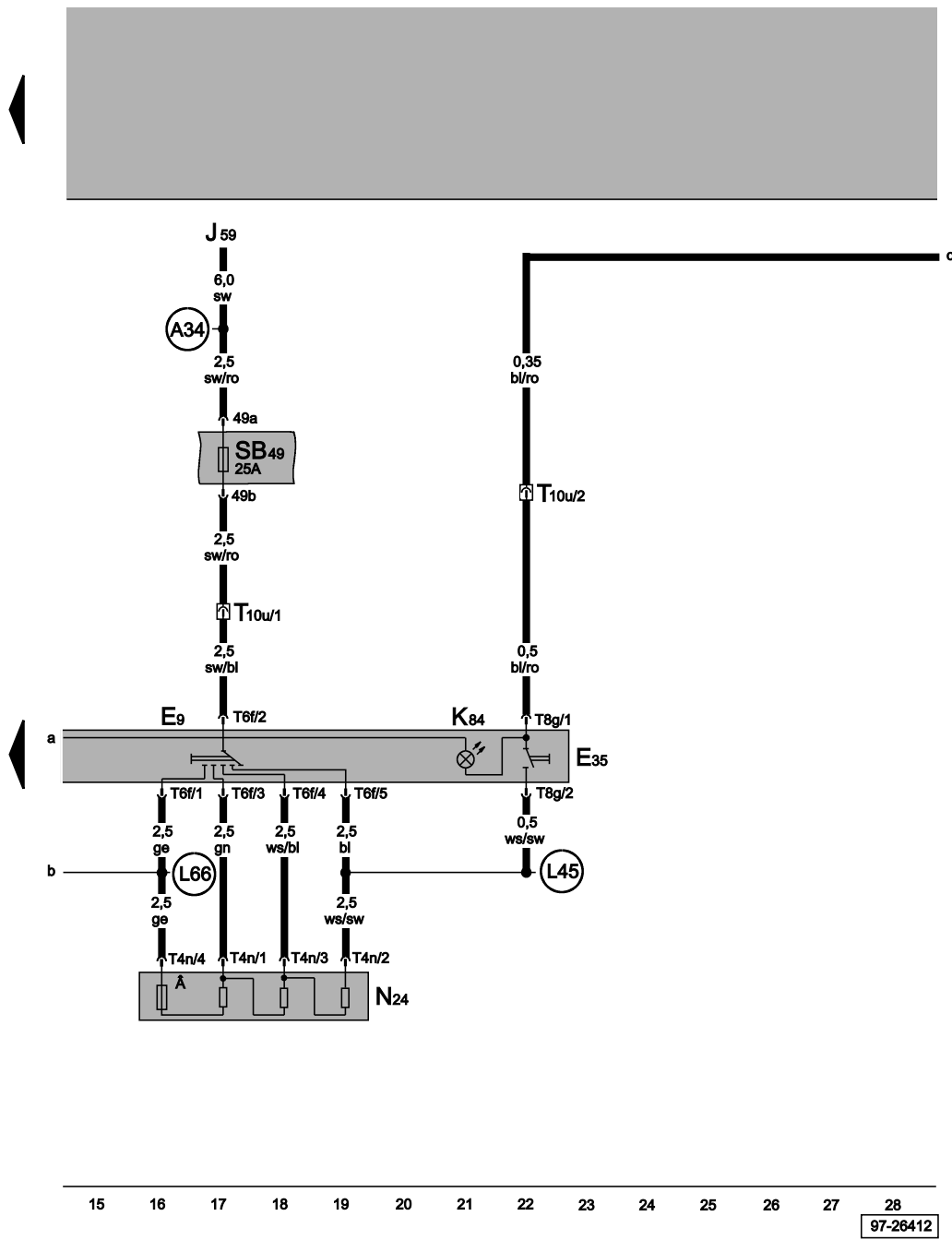


- ws = white
- sw = black
- ro = red
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- bl = blue
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- li = purple
- ge = yellow
- or = orange
- rs = pink

Fresh air blower switch, air conditioner switch

- E9 Fresh air blower switch
- E35 Air conditioner switch
- J59 X contact relief relay
- K84 Air conditioning system warning lamp
- N24 Fresh air blower with overheating fuse series resistor
- SB49 Fuse -49- in relay plate fuse box
- T4n 4-pin connector, black, on fresh air blower series resistor
- T6f 6-pin connector, behind dash panel
- T8g 8-pin connector, behind dash panel
- T10u 10-pin connector, behind dash panel

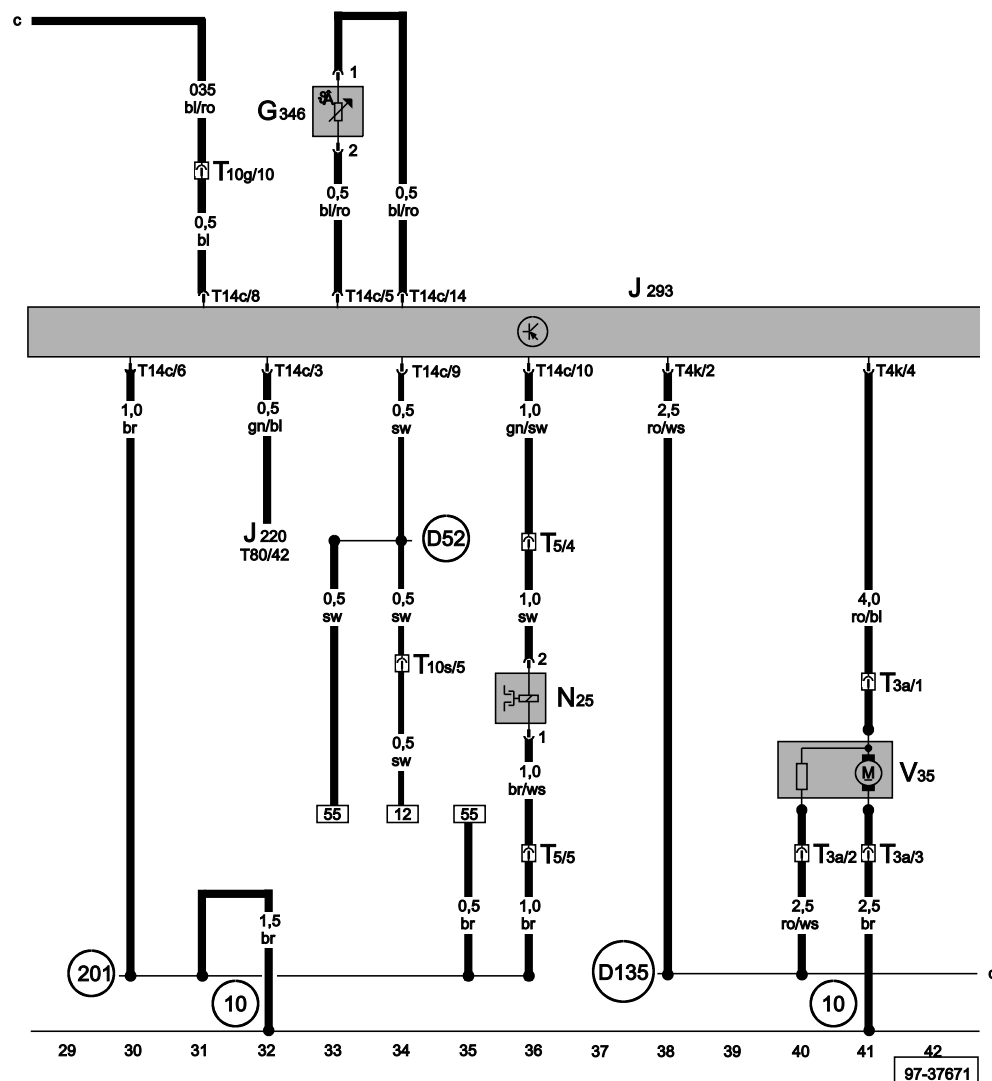
- A34 Connection (75x), in dash panel wiring harness
- L45 Connection, in air conditioner controls wiring harness
- L66 Connection, in heater blower wiring harness



Radiator fan control unit, radiator fan, air conditioning system magnetic coupling, ambient temperature sensor

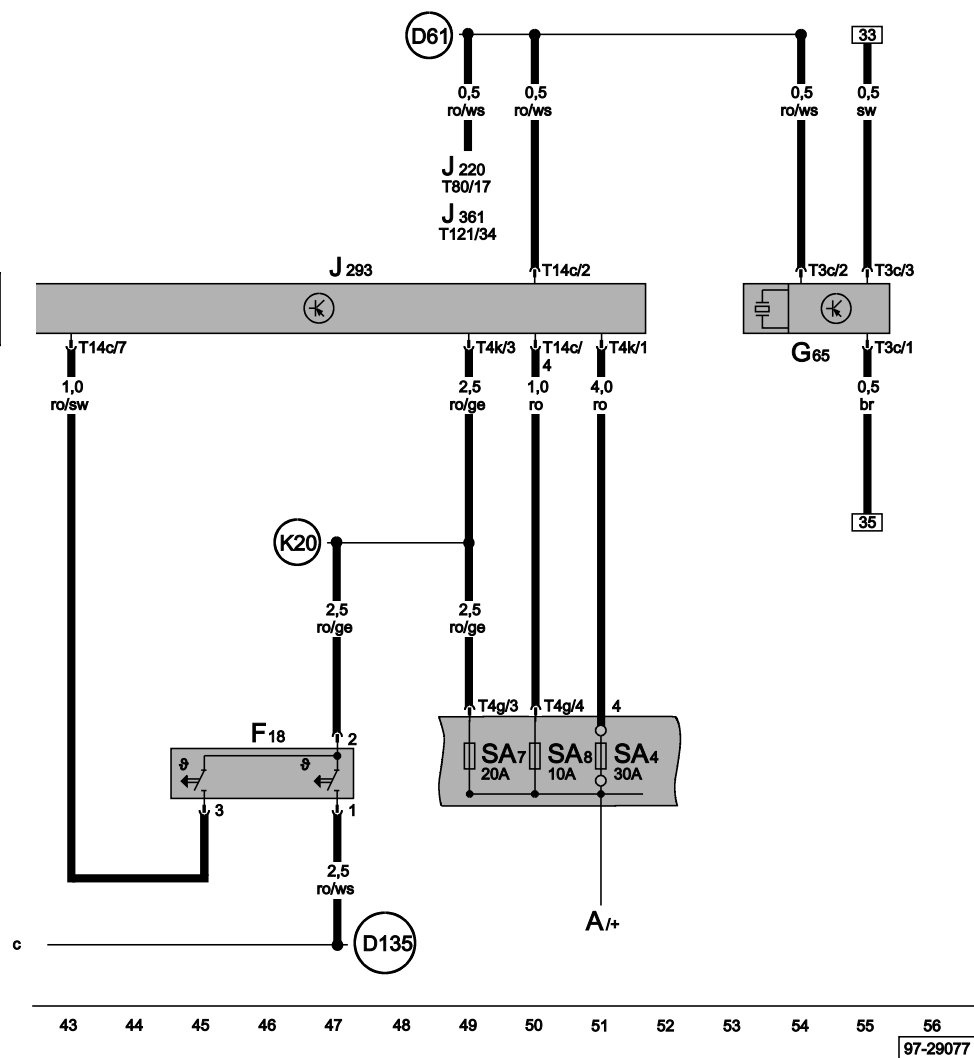
- G346 Compressor switch-off temperature sender
- J220 Motronic control unit
- J293 Radiator fan control unit, on left in front of engine compartment
- N25 Air conditioner magnetic coupling
- T3a 3-pin connector, black, on left in front of engine compartment
- T5 5-pin connector, near starter
- T4k 4-pin connector, black
- T10g 10-pin connector, brown, coupling station below relay carrier
- T10s 10-pin connector, green, coupling station below relay carrier
- T14c 14-pin connector, black
- T80 80-pin connector, on engine control unit
- V35 Radiator fan

- 10 Earth point, in plenum chamber
- 201 Earth connection -5-, in engine compartment wiring harness
- D52 Positive connection (15a), in engine compartment wiring harness
- D135 Connection (1st fan speed), in engine - headlight wiring harness



Radiator fan control unit, radiator fan thermo-switch, high pressure sender

- A Battery
- F18 Radiator fan thermo-switch
- G65 High pressure sender
- J220 Motronic control unit
- J293 Radiator fan control unit, in engine compartment, front left
- J361 Simos control unit
- SA4 Fuse -4- (30), in battery fuse box
- SA7 Fuse -7- (30), in battery fuse box
- SA8 Fuse -8- (30) in battery fuse box
- T3c 3-pin connector, black, on high pressure sender
- T4g 4-pin connector, black, on battery fuse box
- T4k 4-pin connector, black
- T14c 14-pin connector, black
- T80 80-pin connector, on engine control unit
- T121 121-pin connector, on engine control unit
- D61 Connection (air conditioner), in engine compartment wiring harness
- D135 Connection -1- (15a), in interior wiring harness
- K20 Positive (+) connection -1- (30), in radiator fan wiring harness



Climatronic

- ⇒ 1.0 l/37 kW - Motronic, engine codes ALD, AUC
- ⇒ 1.4 l/44 kW - Motronic, engine codes AKK, AUD
- ⇒ 1.4 l/40 kW - Motronic, engine code ANP
- ⇒ 1.4 l/55 kW - 4LV, engine codes AUA, APE
- ⇒ 1.4 l/74 kW - 4LV, engine, engine codes AUB, AQQ
- ⇒ 1.4 l/55 kW - 4CV, engine code AHW
- ⇒ 1.4 l/74 kW - 4CV, engine code AFK
- ⇒ 1.6 l/92 kW - Simos, engine codes ARC, AVY

From October 1999

Notes:

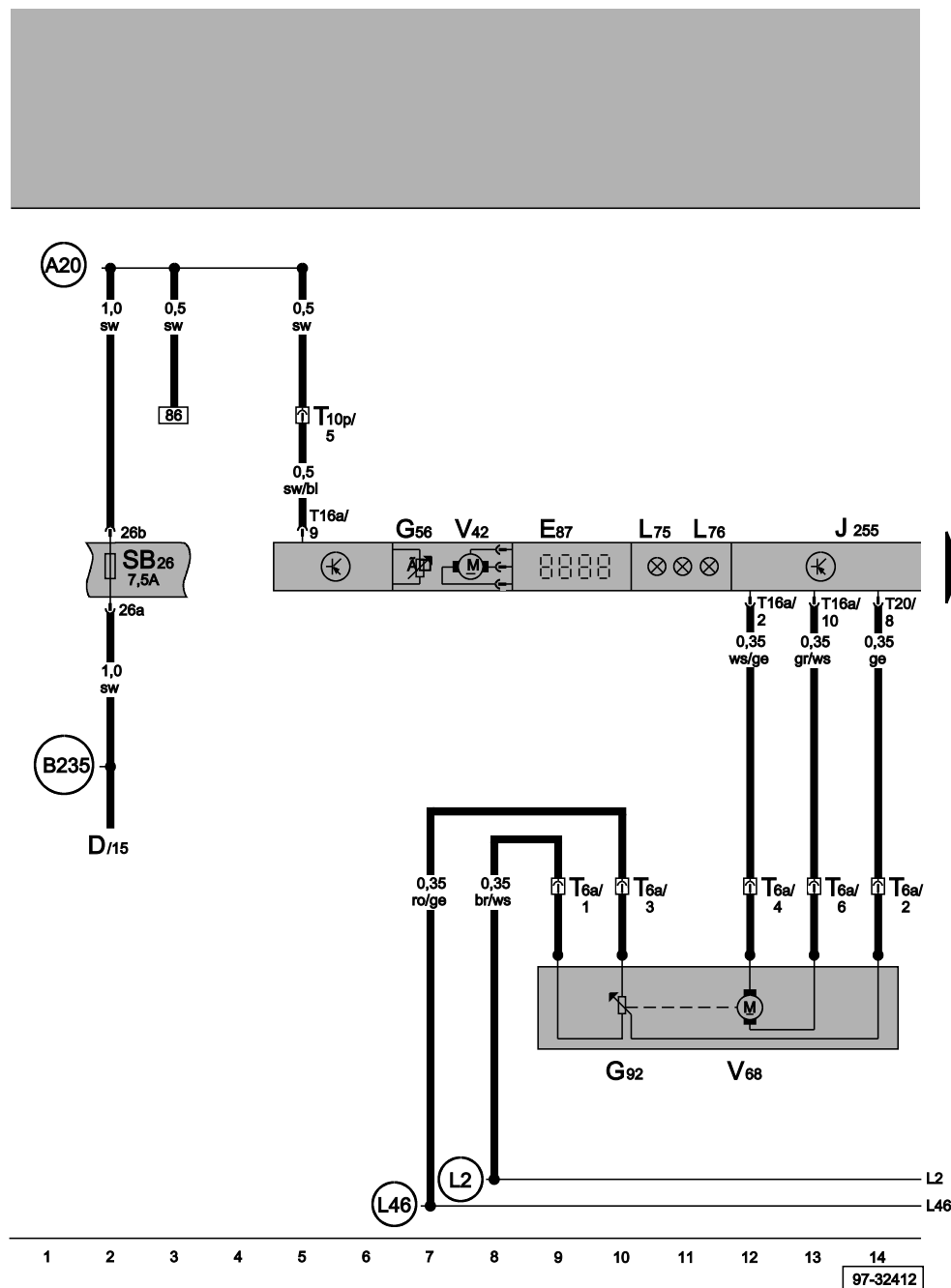
For information concerning

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

⇒ Overview of Fitting Locations!

For information concerning

- ◆ Fault Finding Programs
- ⇒ Guided Fault Finding



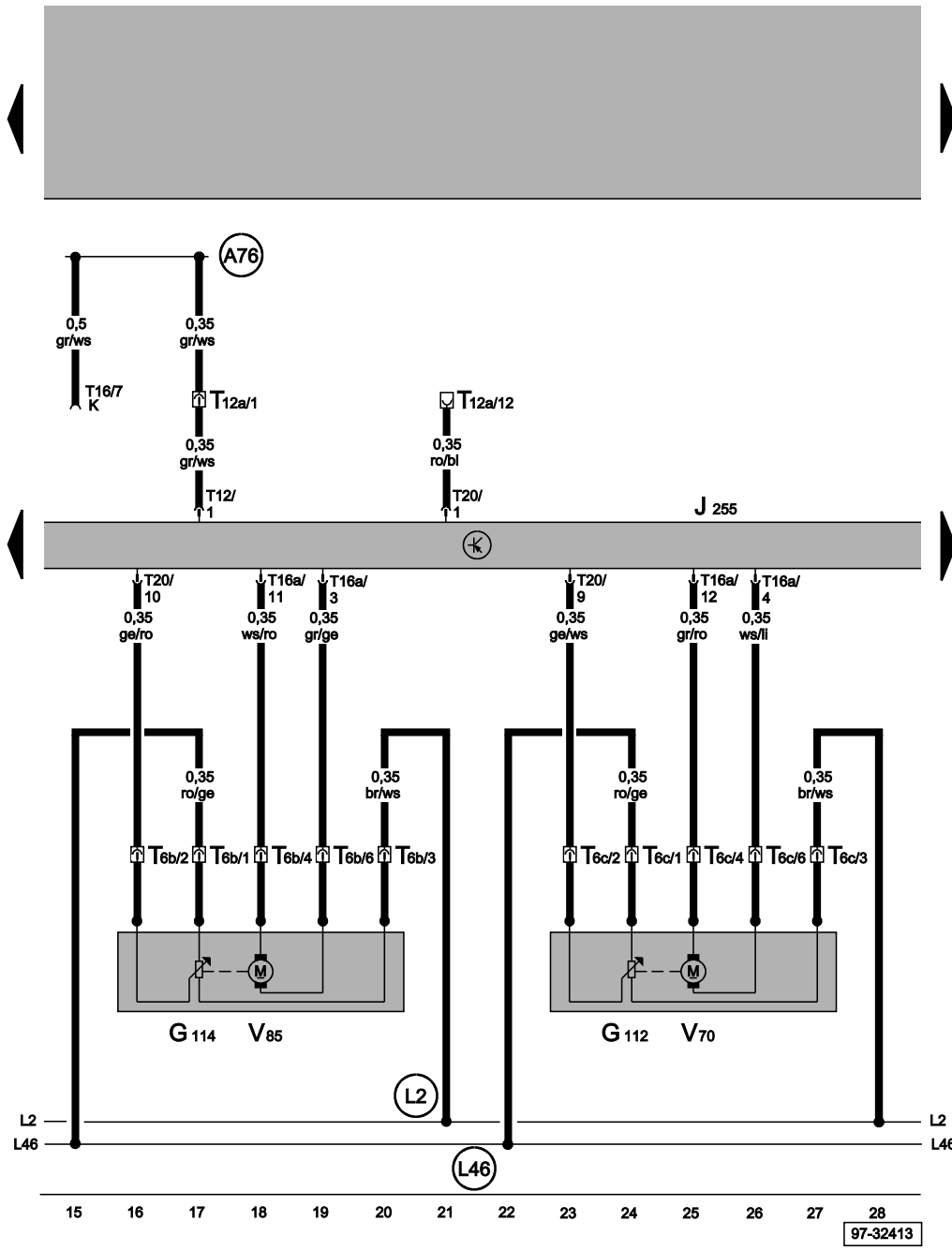
Climatronic control unit, temperature flap control motor, dash panel temperature sensor, temperature sensor blower, dash panel temperature sensor, temperature sensor blower

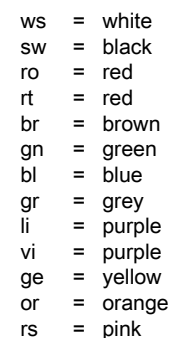
- D Ignition/starter switch
- E87 Rear Climatronic operating and display unit
- G56 Dash panel temperature sensor
- G92 Potentiometer for temperature flap control motor
- J255 Climatronic control unit
- L75 Digital display illumination bulb
- L76 Button illumination bulb
- SB26 Fuse 26 on fuse holder
- T6a 6-pin connector, centre behind dash panel
- T10p 10-pin connector, centre behind dash panel
- T16a 16-pin connector
- T20 20-pin connector
- V42 Temperature sensor blower
- V68 Temperature flap control motor
- A20 Connection (15a), in dash panel wiring harness
- B235 Positive connection 4 (15a), in interior wiring harness
- L2 Connection in air conditioning system wiring harness
- L46 Connection (5 Volt), in Climatronic operating unit wiring harness

Climatronic control unit, control motor for central flap, control motor for footwell/defroster flap

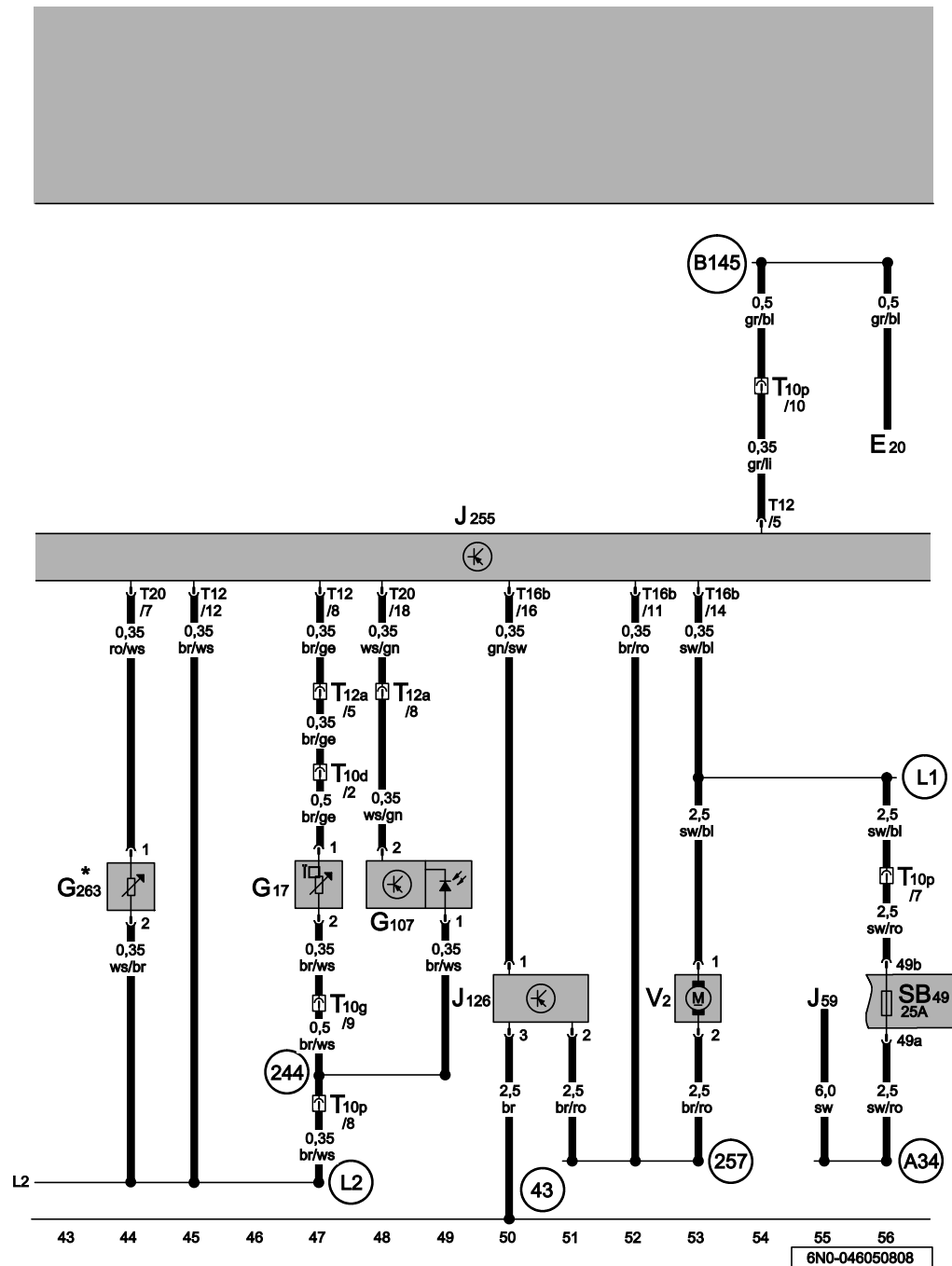
- G112 Central flap control motor potentiometer
- G114 Footwell/defroster flap control motor potentiometer
- J255 Climatronic control unit
- T6b 6-pin connector, centre behind dash panel
- T6c 6-pin connector, centre behind dash panel
- T12 12-pin connector
- T12a 12-pin connector, centre behind dash panel
- T16 16-pin connector, self-diagnosis connection
- T16a 16-pin connector
- T20 20-pin connector
- V70 Central flap control motor
- V85 Footwell and defroster flap control motor

- A76 Connection (K-diagnosis wire), in dash panel wiring harness
- L2 Connection in air conditioning system wiring harness
- L46 Connection (5 Volt), in Climatronic operating unit wiring harness





* From October 1999



ws = white
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rs = pink

Climatronic control unit, temperature sensor, fresh air blower, fresh air blower control unit, sunlight penetration photosensor

- | | |
|------|---|
| E20 | Switch and instrument illumination regulator |
| G17 | Ambient temperature sensor, on front bumper on left |
| J59 | X-contact relief relay |
| G263 | Evaporator output temperature sender |
| G107 | Sunlight penetration photosensor |
| J126 | Fresh air blower control unit, on right under dash panel |
| J255 | Climatronic control unit |
| SB49 | Fuse 49 on fuse holder |
| T10d | 10-pin connector, red |
| T10g | 10-pin connector, brown |
| T10p | 10-pin connector |
| T12 | 12-pin connector |
| T12a | 12-pin connector |
| T16b | 16-pin connector |
| T20 | 20-pin connector |
| V2 | Fresh air blower |
| 43 | Earth point, lower part of right A-pillar |
| 244 | Earth connection (sender earth), in Climatronic wiring harness |
| 257 | Earth connection 2, in Climatronic wiring harness |
| A34 | Connection (75x), in dash panel wiring harness |
| B145 | Positive connection (58b), in interior wiring harness |
| L1 | Positive connection (75), in air conditioning system wiring harness |
| L2 | Connection in air conditioning system wiring harness |
| * | From October 1999 |

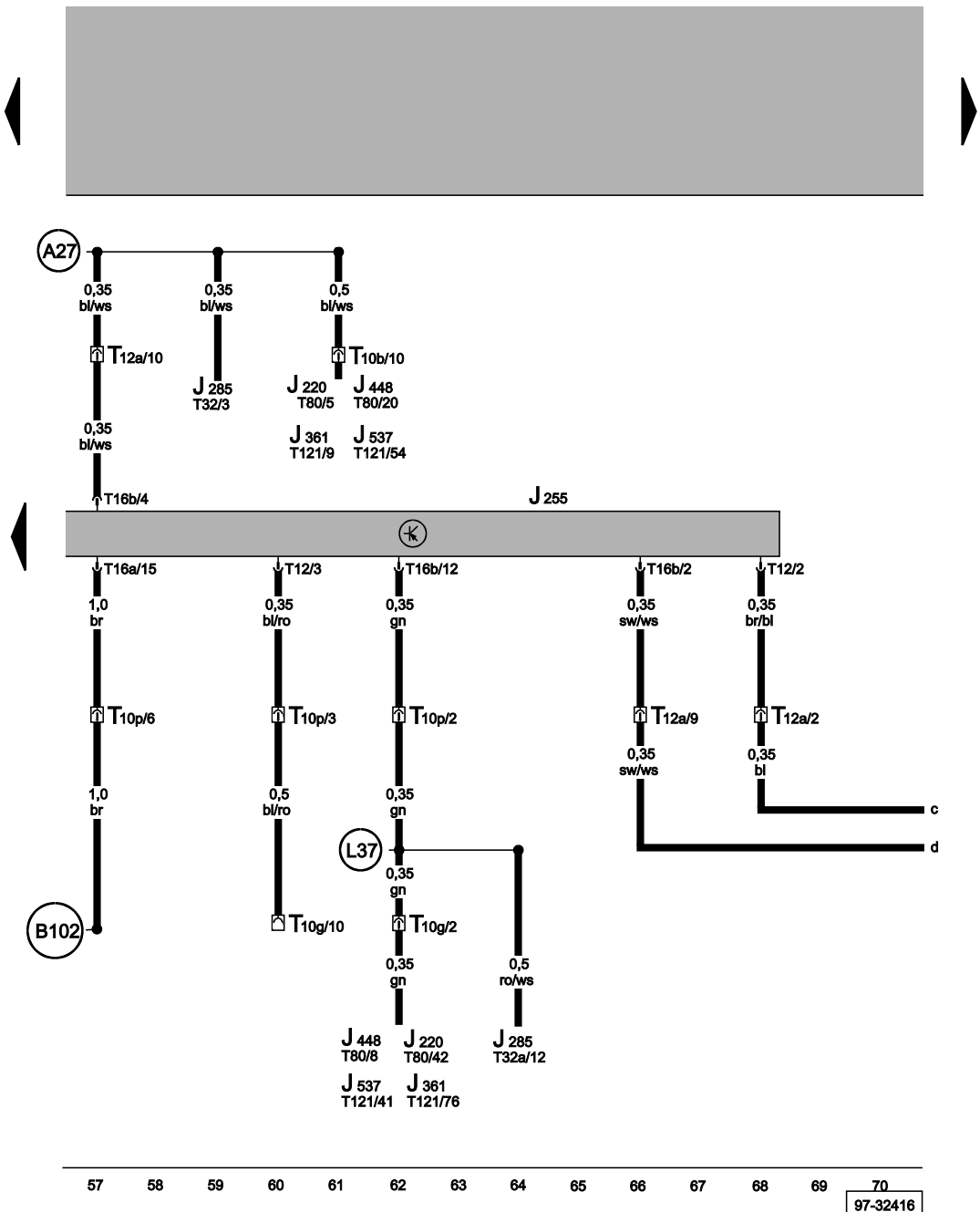
Climatronic control unit

- J220 Motronic control unit
- J255 Climatronic control unit
- J285 Control unit with display in dash panel insert
- J361 Simos injection system control unit
- J448 4CV injection system control unit
- J537 4LV injection system control unit
- T10b 10-pin connector, black, coupling station under relay carrier
- T10g 10-pin connector, brown, coupling station under relay carrier
- T10p 10-pin connector, centre behind dash panel
- T12 12-pin connector
- T12a 12-pin connector, centre behind dash panel
- T16a 16-pin connector
- T16b 16-pin connector
- T32 32-pin connector, blue
- T32a 32-pin connector, green
- T80 80-pin connector
- T121 121-pin connector

A27 Connection (speed signal), in dash panel wiring harness

B102 Earth connection, in front left interior wiring harness

L37 Connection 2, in Climatronic operating unit wiring harness

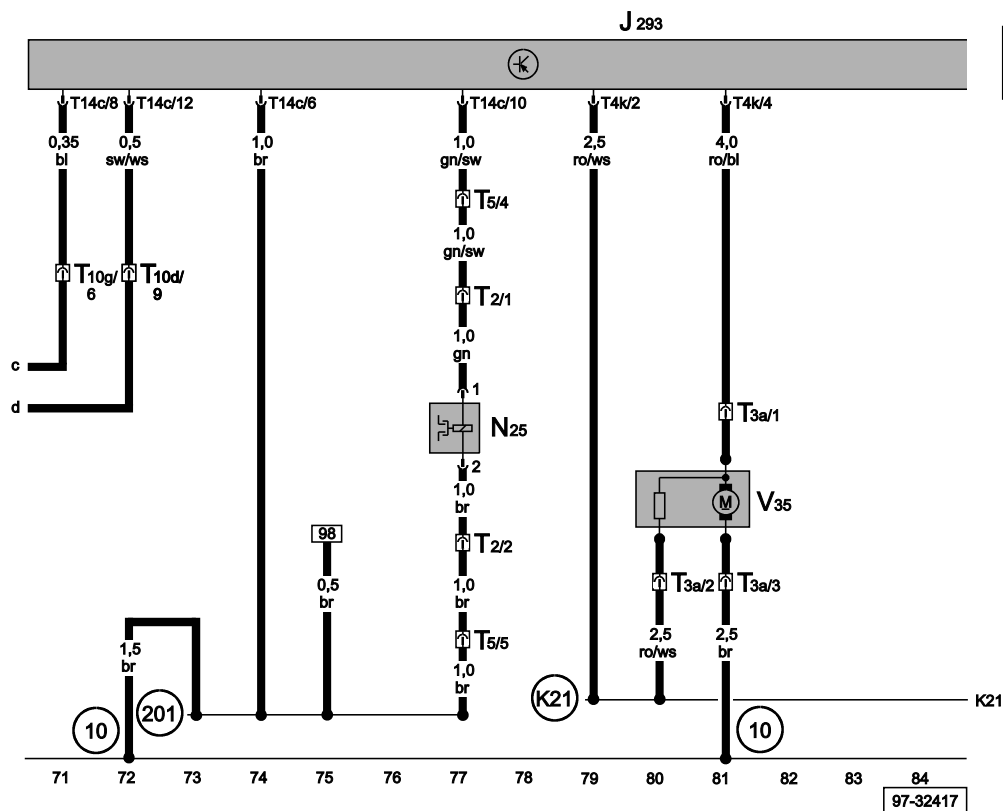


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- bl = blue
- gr = grey
- li = purple
- vi = purple
- ge = yellow
- or = orange
- rs = pink

Radiator fan control unit, radiator fan, air conditioning system magnetic clutch

- J293 Radiator fan control unit, in front left of engine compartment
- N25 Air conditioning system magnetic clutch
- T2 2-pin connector, on air conditioner compressor
- T3a 3-pin connector, front left in engine compartment
- T4k 4-pin connector
- T5 5-pin connector
- T10d 10-pin connector, red, coupling station under relay carrier
- T10g 10-pin connector, brown, coupling station under relay carrier
- T14c 14-pin connector
- V35 Right fan for radiator

- 10 Earth point, in plenum chamber
- 201 Earth connection 5, in engine compartment wiring harness
- K21 Connection 1, in radiator fan wiring harness



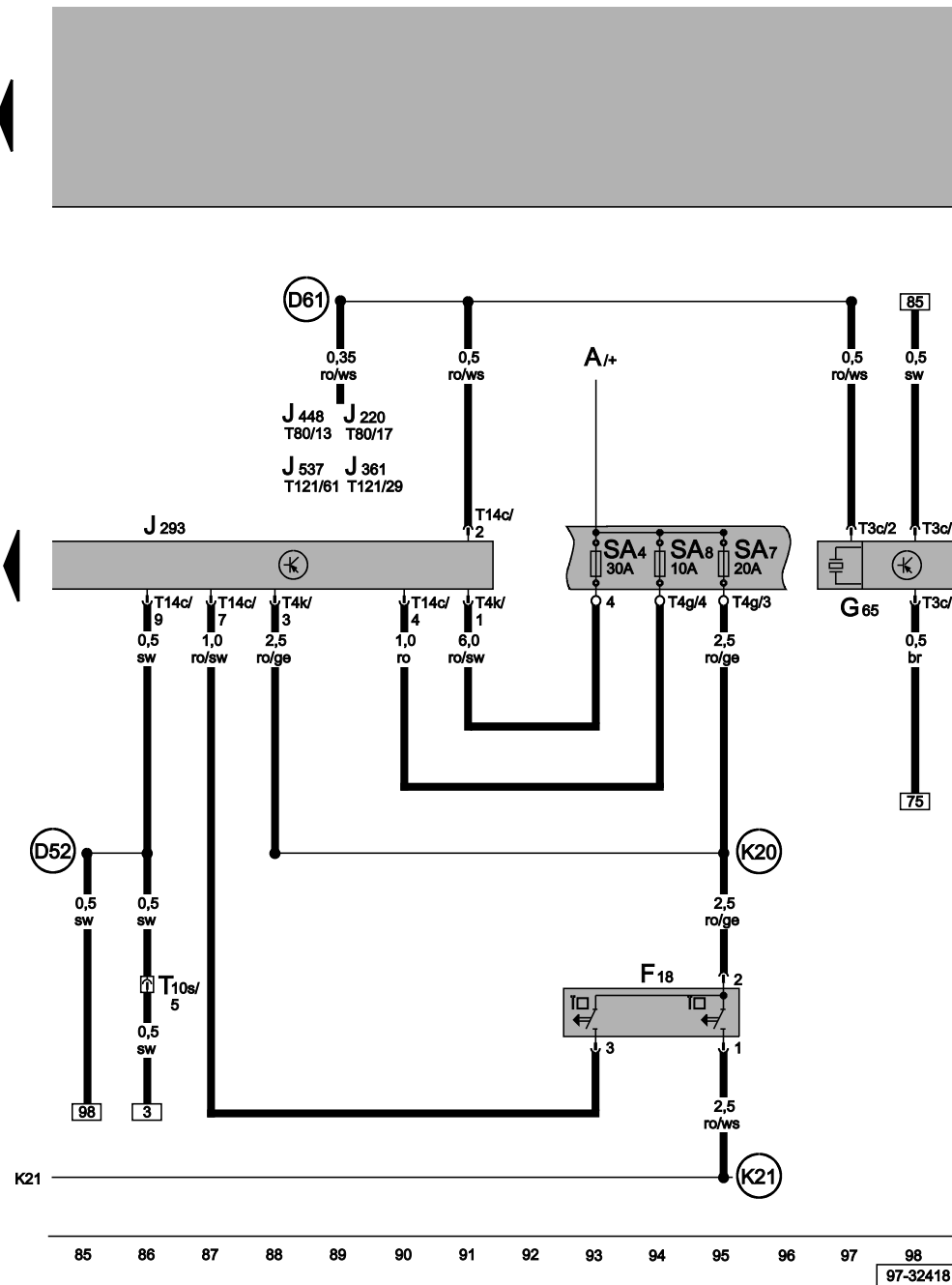
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Radiator fan control unit, thermal switch for radiator fan, high-pressure sender, high-pressure sender, fuses

- A Battery
- F18 Thermal switch for radiator fan
- G65 High-pressure sender
- J220 Motronic control unit
- J293 Radiator fan control unit, in front left of engine compartment
- J361 Simos injection system control unit
- J448 4CV injection system control unit
- J537 4LV injection system control unit
- SA4 Fuse 4 (30), on battery fuse holder
- SA7 Fuse 7 (30), on battery fuse holder
- SA8 Fuse 8 (30), on battery fuse holder
- T3c 3-pin connector
- T4g 4-pin connector
- T4k 4-pin connector
- T10s 10-pin connector, light green, coupling station under relay carrier
- T14c 14-pin connector
- T80 80-pin connector
- T121 121-pin connector

- D52 Positive connection (15a), in engine compartment wiring harness
- D61 Connection (air conditioning system), in engine compartment wiring harness
- K20 Positive connection 1 (30), in radiator fan wiring harness
- K21 Connection 1, in radiator fan wiring harness

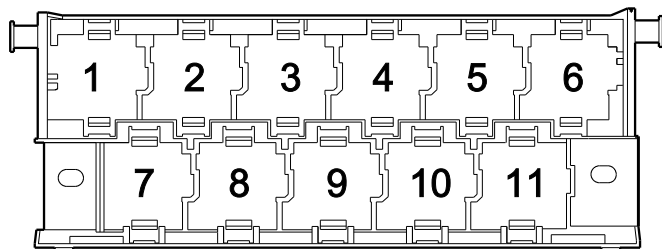
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12V socket

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

12V socket

T2x 2-pin connector

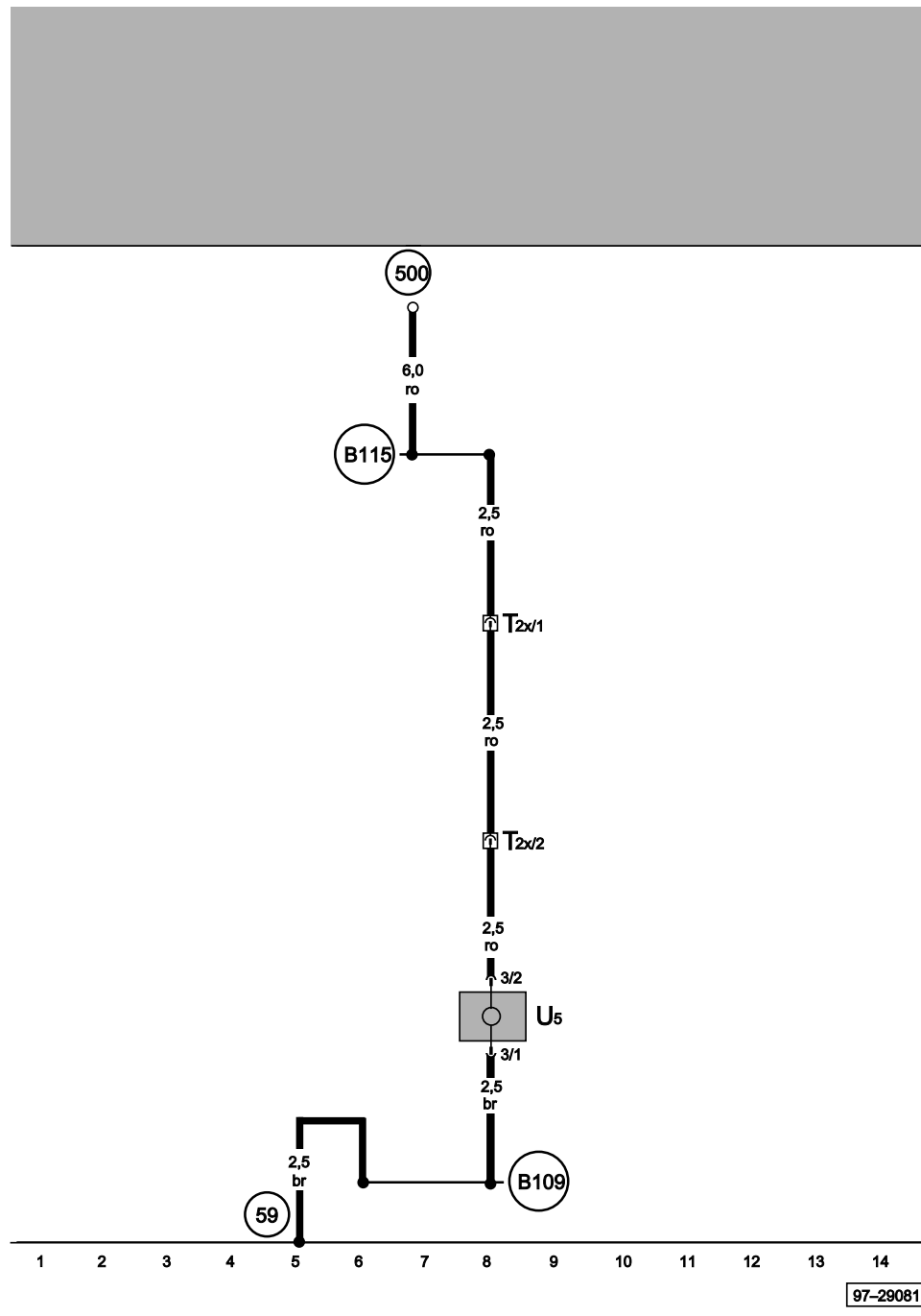
U5 12 V socket

59 Earth point, near left tail light

500 Screw connection -1- (30), on relay plate

B109 Earth connection, in rear left interior wiring harness

B115 Positive (+) connection (30, central electrics), in interior wiring harness



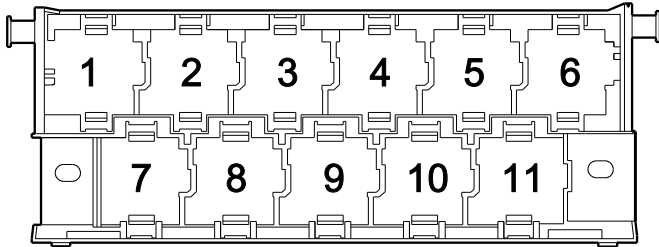
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Climatronic

⇒ 1.4 ltr./55 kW - Turbo diesel engine with unit injectors, engine codes AMF

From October 1999

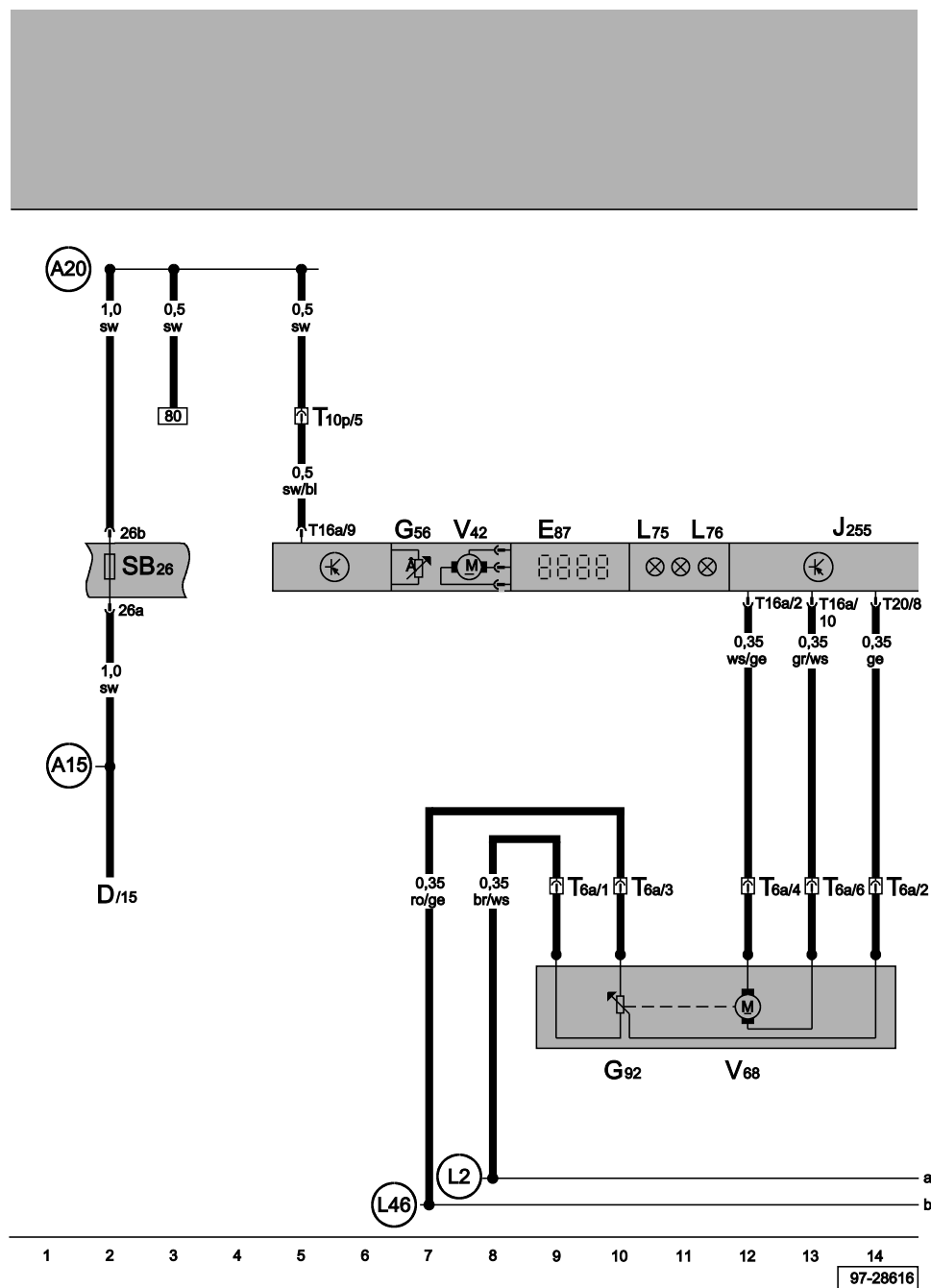
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
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- 5 A - beige
- 3 A - lilac



Climatronic control unit, temperature flap control motor

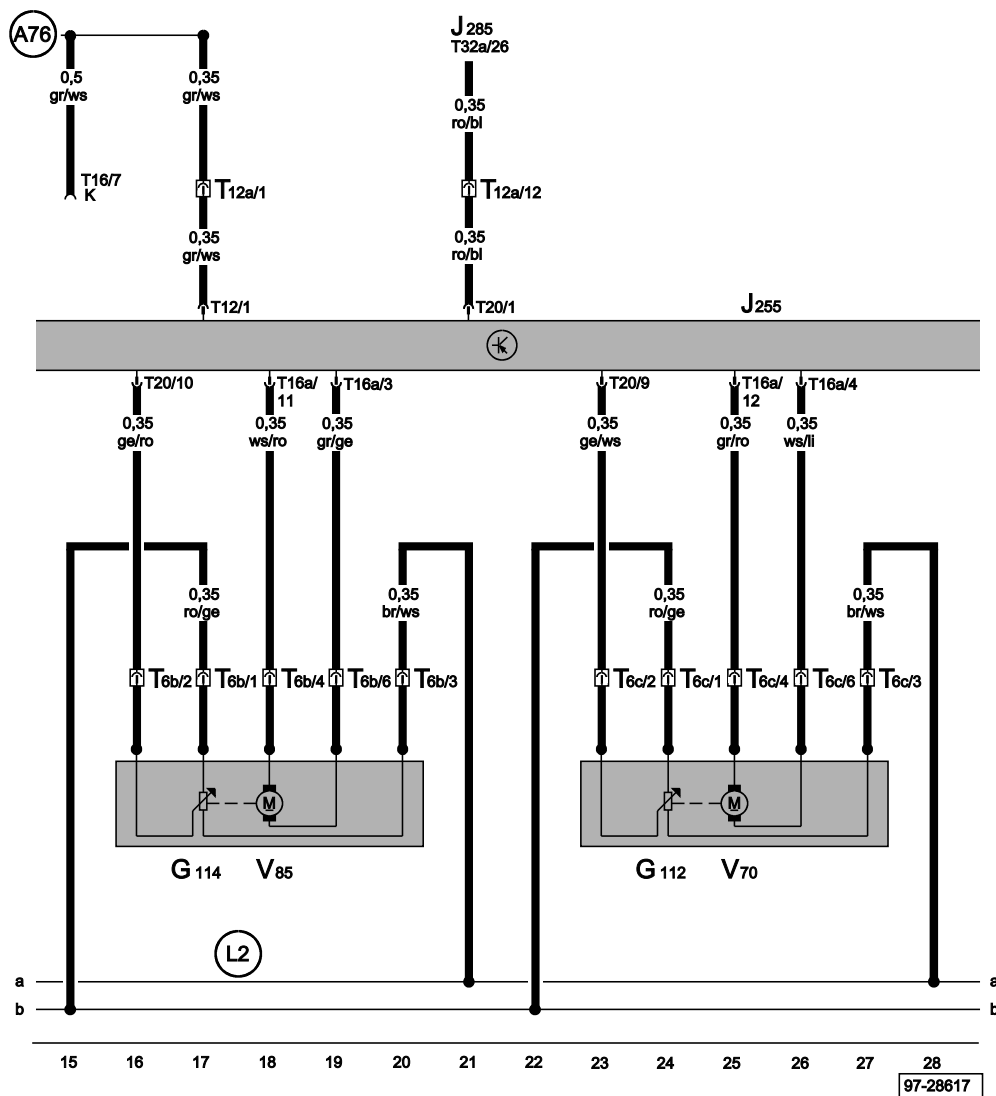
- D Ignition/starter switch
- E87 Control and display unit for Climatronic
- G56 Dash panel temperature sensor
- G92 Control motor potentiometer for temperature flap
- J255 Climatronic control unit
- L75 Digital display illumination
- L76 Button illumination
- SB26 Fuse -26- in fuse box
- T6a 6-pin connector, behind dash panel, centre
- T10p 10-pin connector, behind dash panel, centre
- T16a 16-pin connector
- T20 20-pin connector
- V42 Temperature sensor blower
- V68 Temperature flap control motor

- A20 Connection (15a), in dash panel wiring harness
- A15 Positive (+) connection (15), in instruments wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in Climatronic controls wiring harness

Climatronic control unit, central flap control motor, footwell/defroster flap control motor

- G112 Control motor potentiometer, central flap
- G114 Control motor potentiometer, footwell/defroster flap
- J255 Climatronic control unit
- J285 Control unit with display in dash panel insert
- T6b 6-pin connector, behind dash panel, centre
- T6c 6-pin connector, behind dash panel, centre
- T12 12-pin connector
- T12a 12-pin connector, behind dash panel, centre
- T16 16-pin connector, self-diagnosis connection
- T16a 16-pin connector
- T20 20-pin connector
- T32a 32-pin connector, green, on dash panel insert
- V70 Central flap control motor
- V85 Footwell/defroster flap control motor

- A76 Connection (diagnosis wire K), in dash panel wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in Climatronic controls wiring harness

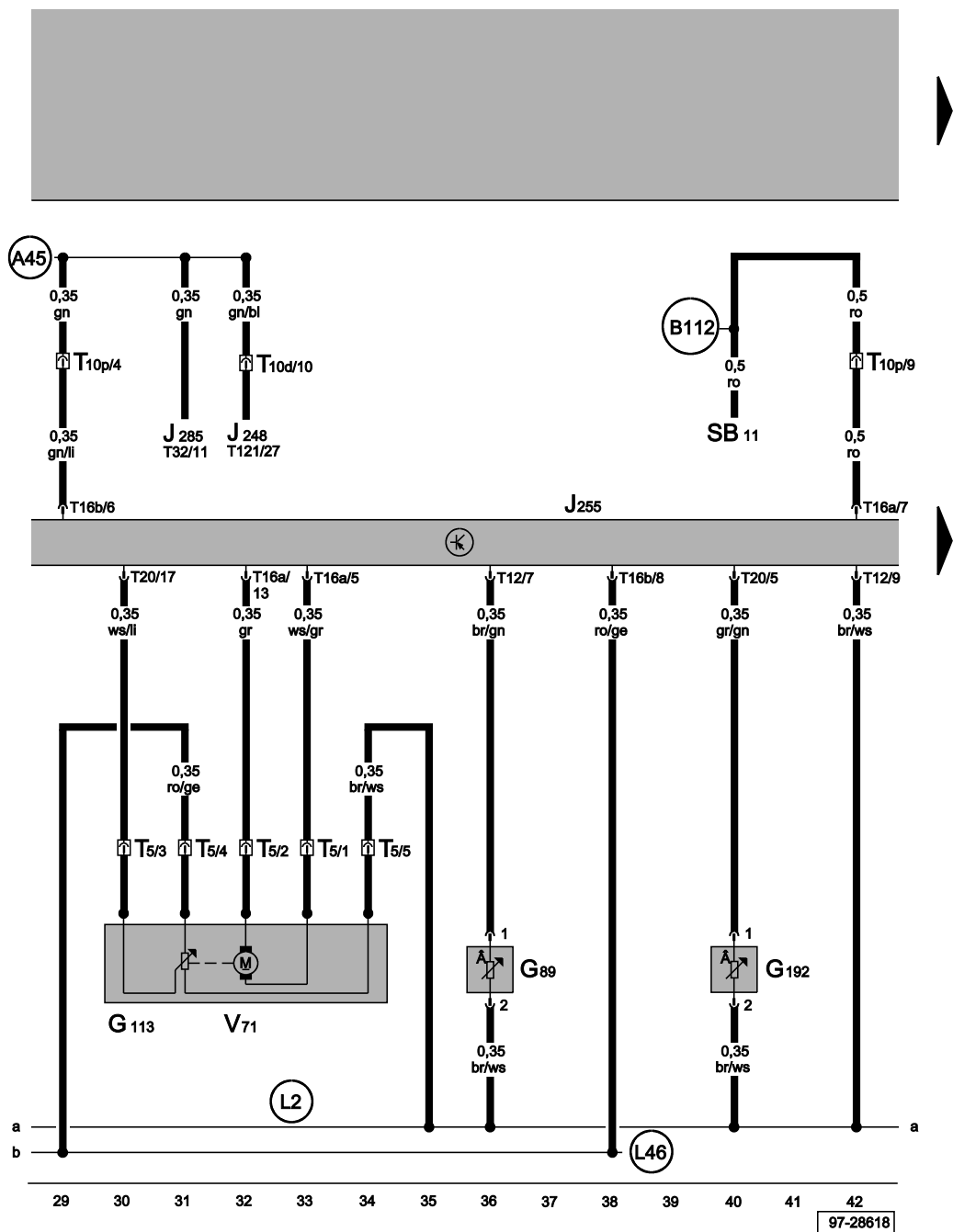


Climatronic control unit, air flow flap control motor, vent temperature sender, fresh air intake duct temperature sensor

- G89 Fresh air intake duct temperature sensor, on right under dash panel
- G113 Control motor potentiometer, air flow flap
- G192 Vent temperature sender, footwell
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J255 Climatronic control unit
- SB11 Fuse -11- in fuse box
- T5 5-pin connector
- T10d 10-pin connector, red
- T10p 10-pin connector, behind dash panel, centre
- T12 12-pin connector
- T16a 16-pin connector
- T16b 16-pin connector
- T20 20-pin connector
- T32 32-pin connector, blue, on dash panel insert
- T121 121-pin connector
- V71 Air flow flap control motor

- A45 Connection (engine speed signal), in dash panel wiring harness
- B112 Positive (+) connection (30a), on right in interior wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in Climatronic controls wiring harness

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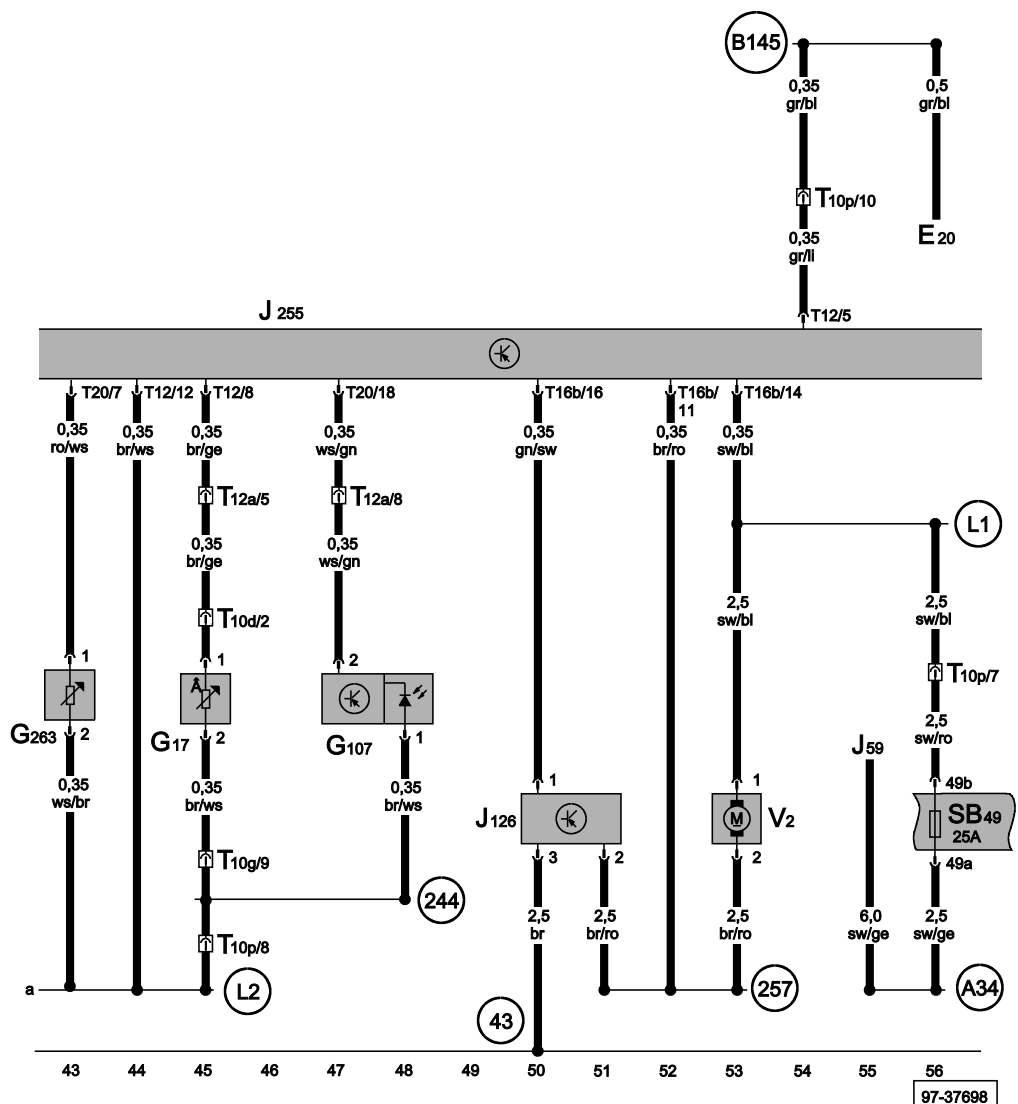


Climatronic control unit, temperature sensor, fresh air blower, fresh air blower control unit, sunlight penetration photosensor

- E20 Switches and instruments illumination regulator
- G17 Ambient temperature sensor, on left in front bumper
- G107 Sunlight penetration photosensor
- J59 X contact relief relay
- J126 Fresh air blower control unit, on right below dash panel
- J255 Climatronic control unit
- SB49 Fuse 49 in fuse holder
- T10d 10-pin connector, red
- T10g 10-pin connector, brown
- T10p 10-pin connector
- T12 12-pin connector
- T12a 12-pin connector
- T16b 16-pin connector
- T20 20-pin connector
- V2 Fresh air blower

- 43 Earth point, lower right A-pillar
- 244 Earth connection (sender earth), in Climatronic wiring harness
- 257 Earth connection -2-, in Climatronic wiring harness
- A34 Connection (75x), in dash panel wiring harness
- B145 Positive connection (58b), in interior wiring harness
- L1 Positive connection (75), in air conditioner wiring harness
- L2 Connection, in air conditioner wiring harness

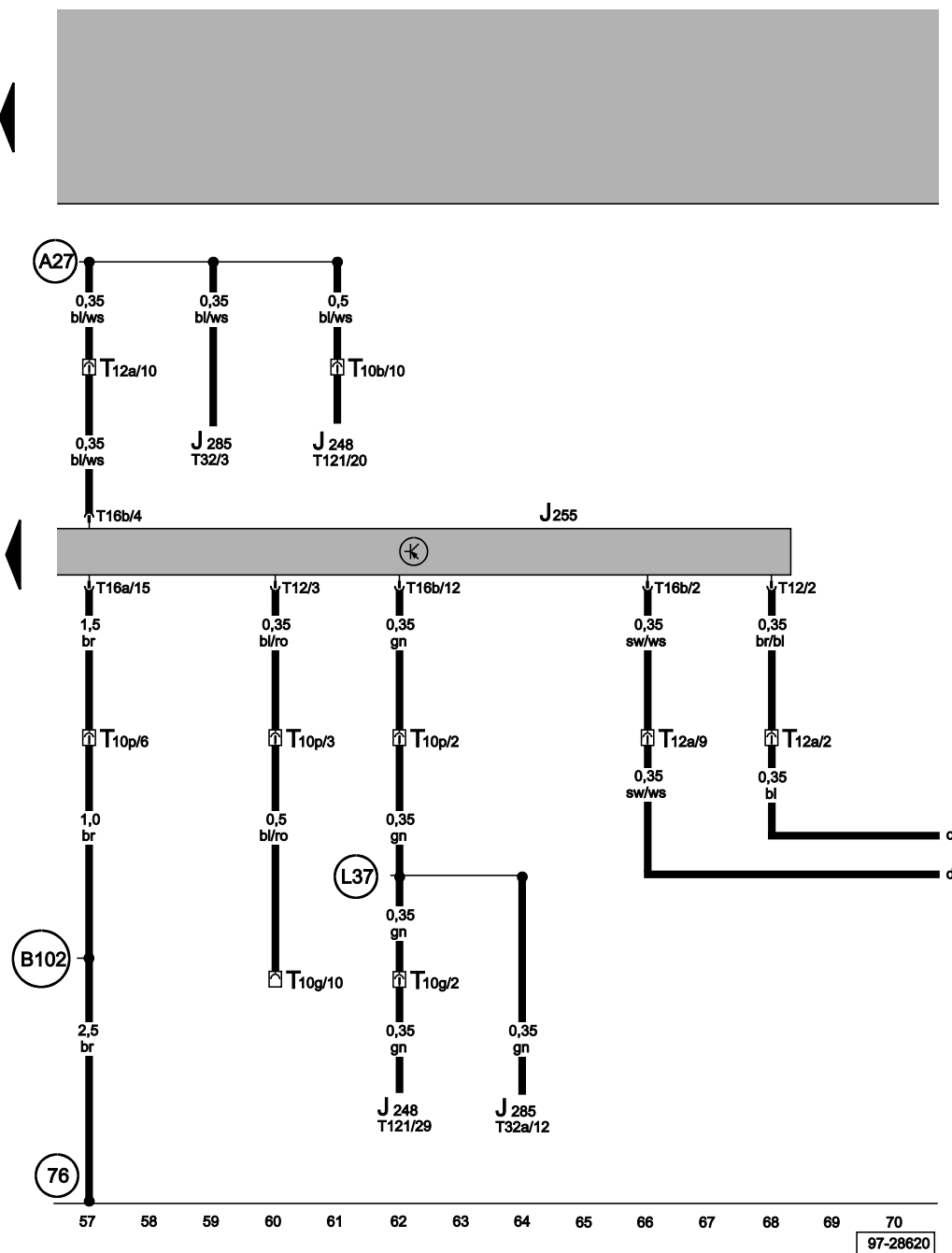
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Climatronic control unit

- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J255 Climatronic control unit
- J285 Control unit with display in dash panel insert
- T10b 10-pin connector, black, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10p 10-pin connector, behind dash panel, centre
- T12 12-pin connector
- T12a 12-pin connector, behind dash panel, centre
- T16a 16-pin connector
- T16b 16-pin connector
- T32 32-pin connector, blue, on dash panel insert
- T32a 32-pin connector, green, on dash panel insert
- T121 121-pin connector

- 76 Earth point, near selector mechanism
- A27 Connection (speed signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- L37 Connection -2-, in Climatronic controls wiring harness

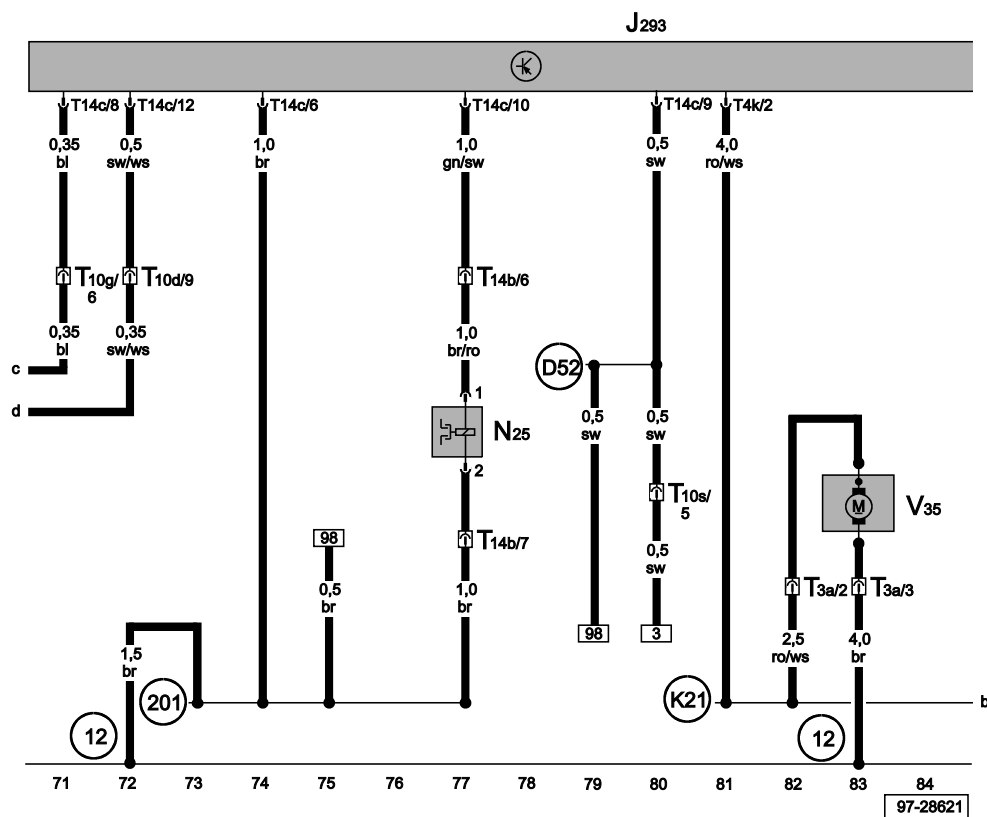


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- rs = pink

Radiator fan control unit, radiator fan, air conditioning system magnetic coupling

- J293 Radiator fan control unit, in engine compartment, front left
- N25 Air conditioning system magnetic coupling
- T3a 3-pin connector, in engine compartment, front left
- T4k 4-pin connector
- T10s 10-pin connector, light green, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- T14c 14-pin connector
- V35 Radiator fan, right

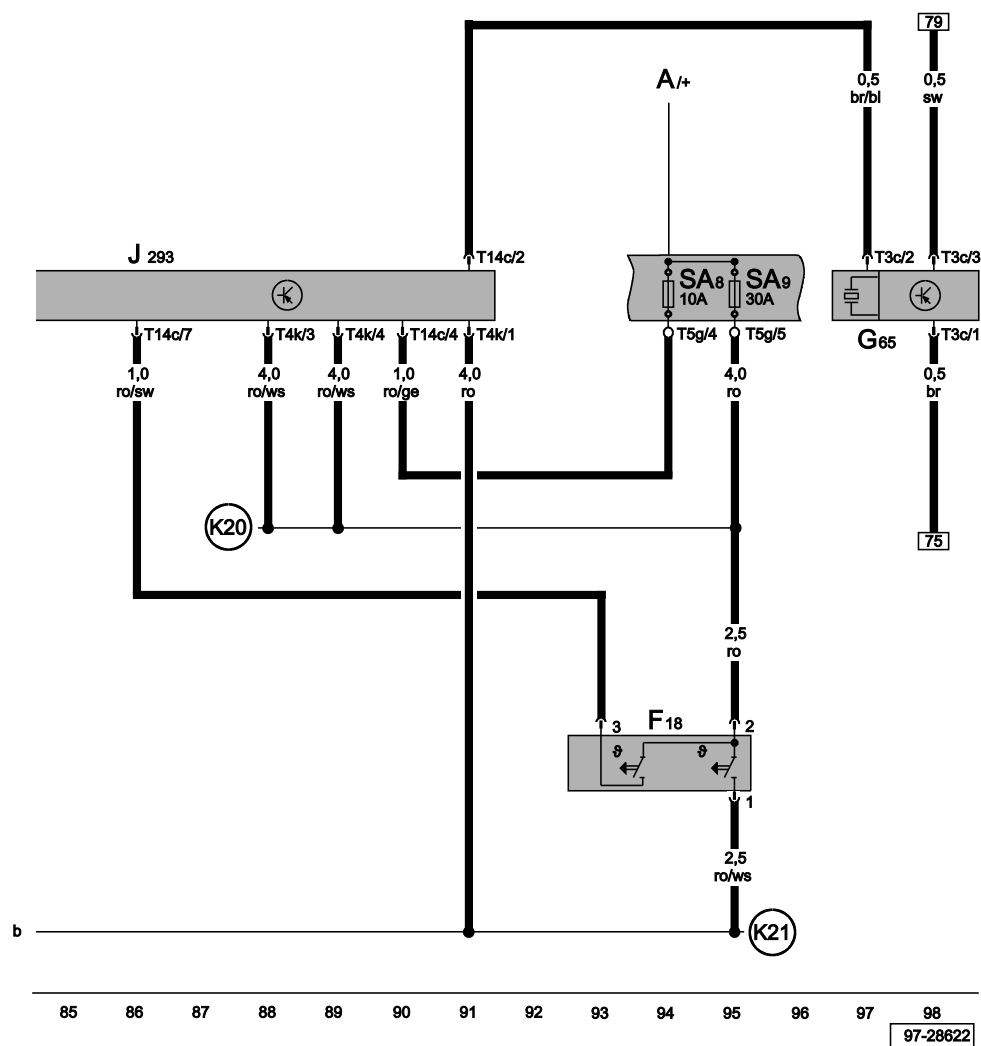
- 12 Earth point, in engine compartment, left
- 201 Earth connection -5-, in engine compartment wiring harness
- D52 Positive (+) connection (15a) , in engine compartment wiring harness
- K21 Connection -1-, in radiator fan wiring harness



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 ge = yellow
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 rs = pink

Radiator fan control unit, radiator fan thermo-switch, high pressure sender

- A Battery
- F18 Radiator fan thermo-switch
- G65 High pressure sender
- J293 Radiator fan control unit, in engine compartment, front left
- SA8 Fuse -8- (30) in battery fuse box
- SA9 Fuse -9- (30), in battery fuse box
- T3c 3-pin connector
- T4k 4-pin connector
- T5g 5-pin connector
- T14c 14-pin connector
- K20 Positive (+) connection -1- (30), in radiator fan wiring harness
- K21 Connection -1-, in radiator fan wiring harness



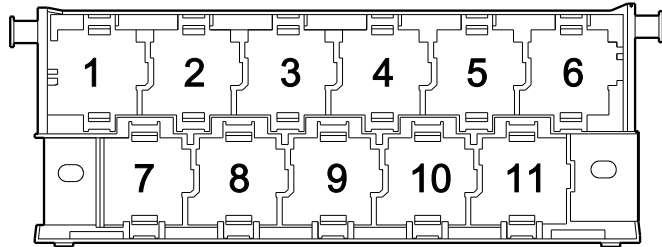
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⇒ Anti-theft alarm system

⇒ Interior monitoring

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

30 A - green

25 A - white

20 A - yellow

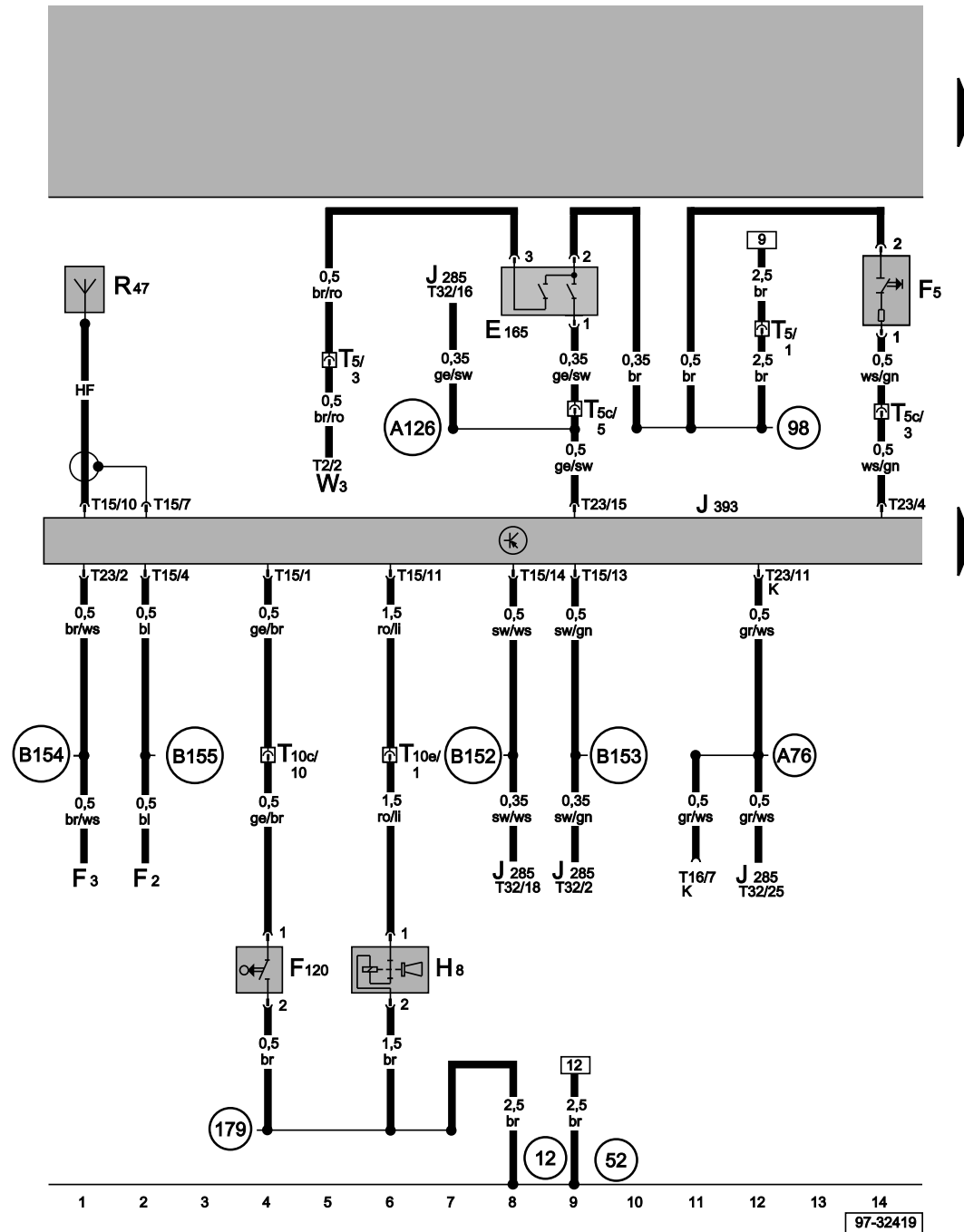
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

3 A - purple



Convenience system central control unit, anti-theft alarm system horn, anti-theft alarm system contact switch, luggage compartment light switch, tailgate/boot lid release switch

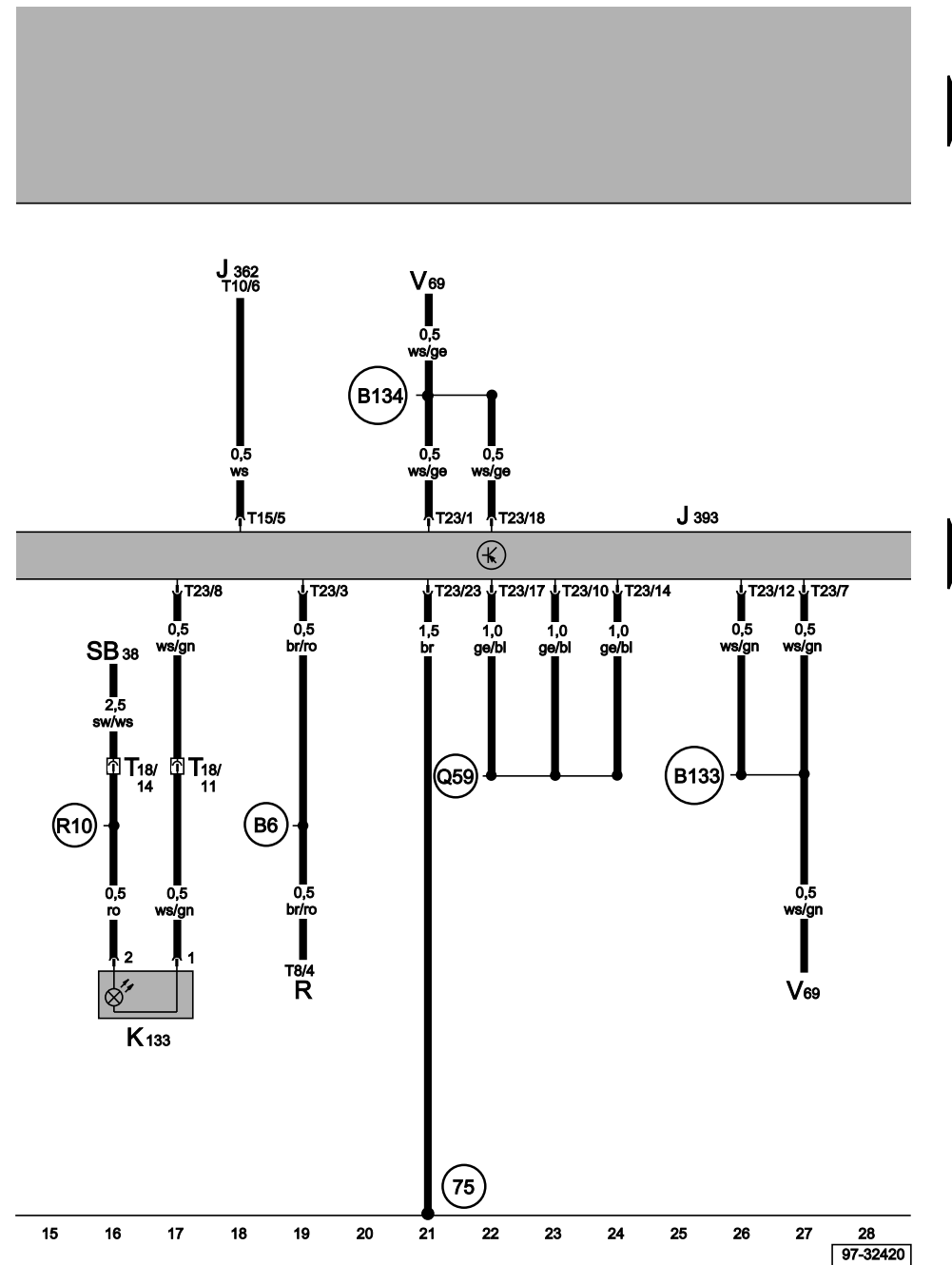
- E165 Tailgate/boot lid release switch
- F2 Door contact switch, driver's side
- F3 Door contact switch, front passenger's side
- F5 Luggage compartment light switch
- F120 Anti-theft alarm system contact switch
- H8 Anti-theft alarm system horn
- J285 Control unit with display in dash panel insert
- J393 Convenience system central control unit
- R47 Central locking and anti-theft alarm system
- T5 5-pin connector, brown, in rear lid prewiring wiring harness
- W3 Luggage compartment light
- 12 Earth point, in engine compartment, left
- 52 Earth point, in tailgate/boot lid, left
- 98 Earth connection, in tailgate/boot lid wiring harness
- 179 Earth connection, in left headlight wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A126 Connection (tailgate/boot lid contact switch), in dash panel wiring harness
- B152 Connection (BL (turn signal, left)), in interior wiring harness
- B153 Connection (BR (turn signal, right)), in interior wiring harness
- B154 Connection -1- (TK (door contact)), in interior wiring harness
- B155 Connection -2- (TK (door contact)), in interior wiring harness

Convenience system central control unit, anti-theft alarm system, central locking warning lamp -SAFE-

- J362 Immobilizer control unit, next to steering column
- J393 Convenience system central control unit
- K133 Central locking warning lamp -SAFE-
- R Radio
- SB38 Fuse -38- on fuse box
- T8 8-pin connector
- T10 10-pin connector
- T15 15-pin connector
- T18 18-pin connector, in driver's door
- T23 23-pin connector
- V69 Central locking pump with control unit

- 75 Earth point, rear pillar, right
- B6 Connection (S), in steering column switch wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- R10 Positive (+) connection -1- (30), in door wiring harness - driver's side
- Q59 Connection (country coding), in ATA wiring harness

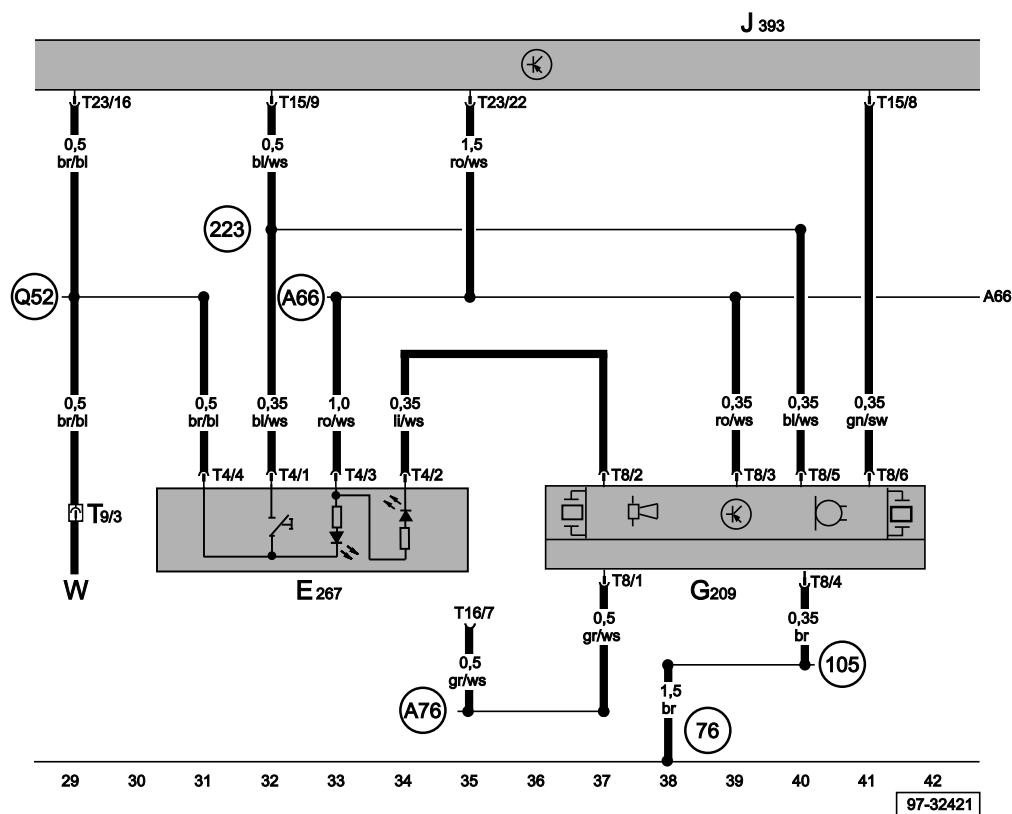
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- or = orange
- rs = pink



Convenience system central control unit, anti-theft alarm system, interior monitoring sensor, interior monitoring sender, self-diagnosis connection

- E267 Interior monitoring deactivation switch
- G209 Anti-theft alarm ultra-sonic sensor, rear B-pillar driver's side
- J393 Convenience system central control unit
- T4 4-pin connector, on interior monitoring deactivation switch
- T8 8-pin connector
- T9 9-pin connector, near interior light
- T15 15-pin connector
- T16 16-pin connector, self-diagnosis connection
- T23 23-pin connector
- W Interior light, front

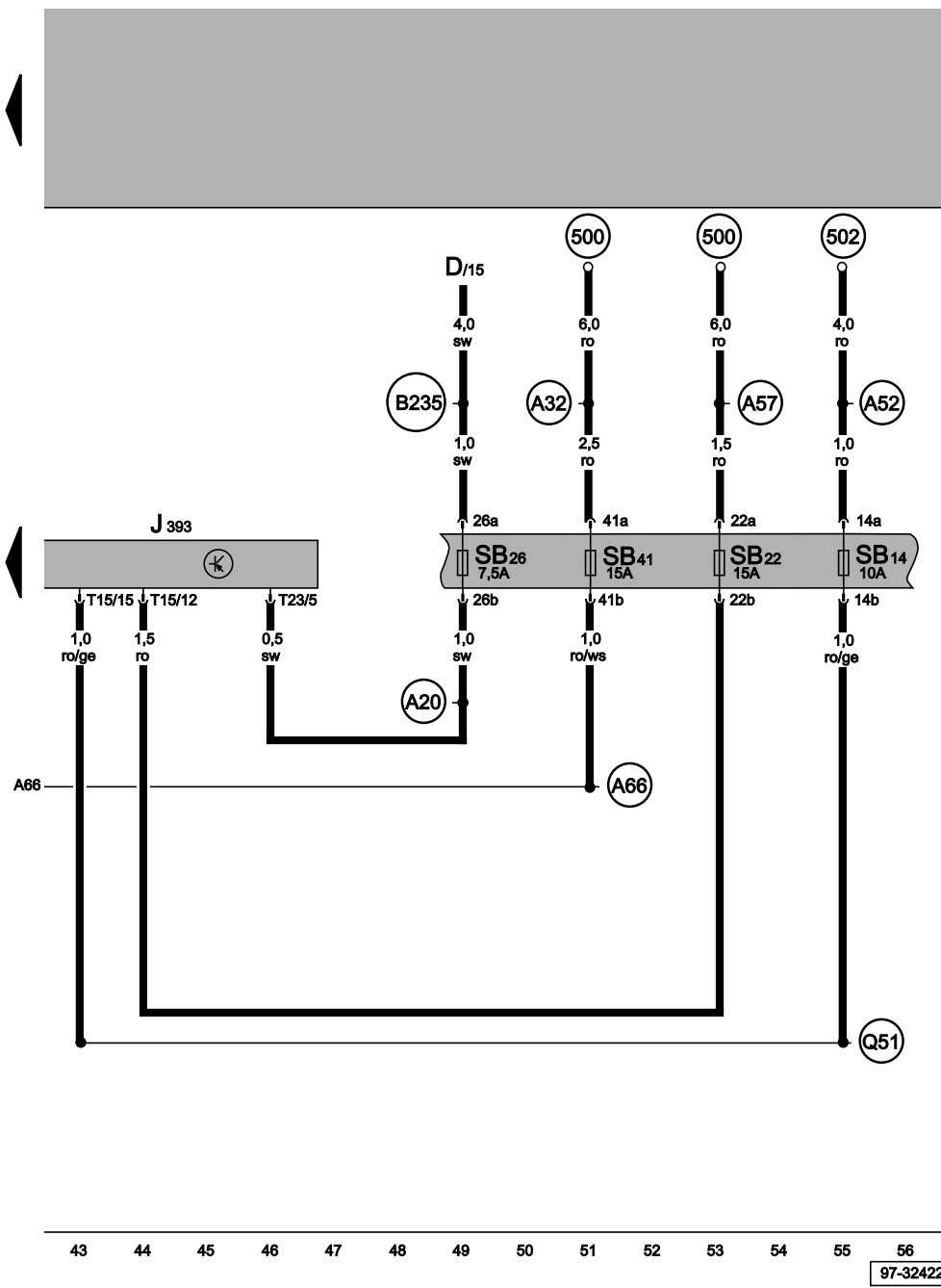
- 76 Earth point, near selector mechanism
- 105 Earth connection -1-, in central locking wiring harness
- 223 Earth connection -1-, in ATA wiring harness
- A66 Connection (30a, central locking/anti-theft alarm system/infrared remote control), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- Q52 Connection (door contact switch), in ATA wiring harness



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

Convenience system central control unit, fuses

- D Ignition/starter switch
- J393 Convenience system central control unit
- SB14 Fuse -14- in fuse box
- SB22 Fuse -22- in fuse box
- SB26 Fuse -26- in fuse box
- SB41 Fuse -41- in fuse box
- T15 15-pin connector
- T23 23-pin connector
- 500 Screw connection -1- (30), on relay plate
- 502 Screw connection -1- (30a), on relay plate
- A20 Connection (15a), in dash panel wiring harness
- A32 Positive (+) connection (30), in dash panel wiring harness
- A52 Positive (+) connection -2- (30), in dash panel wiring harness
- A57 Positive (+) connection -3- (30), in dash panel wiring harness
- A66 Connection (30a, central locking/anti-theft alarm system/infra-red remote control), in dash panel wiring harness
- B235 Positive (+) connection -4- (15a), in interior wiring harness
- Q51 Positive (+) connection (30), in anti-theft alarm system wiring harness

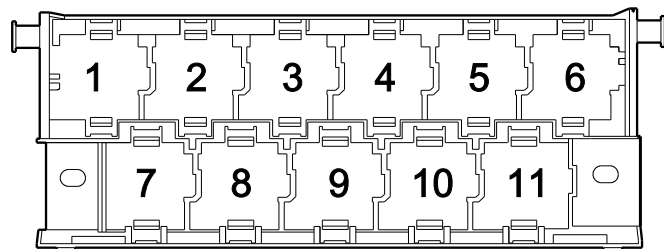


ws = white
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Central locking

From October 1999

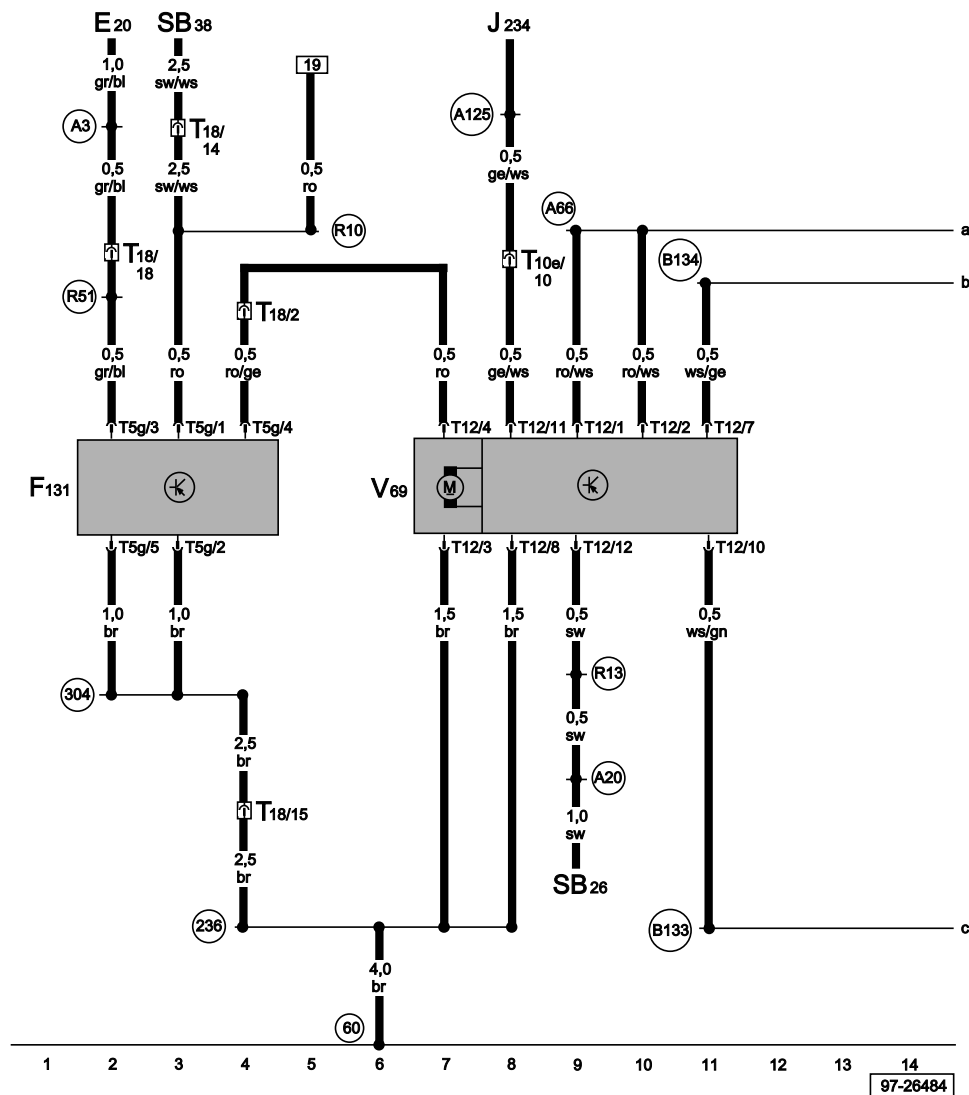
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

30 A - green
 25 A - white
 20 A - yellow
 15 A - blue
 10 A - red
 7.5 A - brown
 5 A - beige
 3 A - lilac



Central locking pump with control unit, central locking actuator

- E20 Switches and instruments - lighting control
- F131 Central locking actuator, front left
- J234 Airbag control unit, behind console
- SB26 Fuse -26- in relay plate fuse box
- SB38 Fuse -38- in relay plate fuse box
- T5g 5-pin connector
- T10e 10-pin connector, light pink
- T12 12-pin connector
- T18 18-pin connector, in driver's door
- V69 Central locking pump with control unit

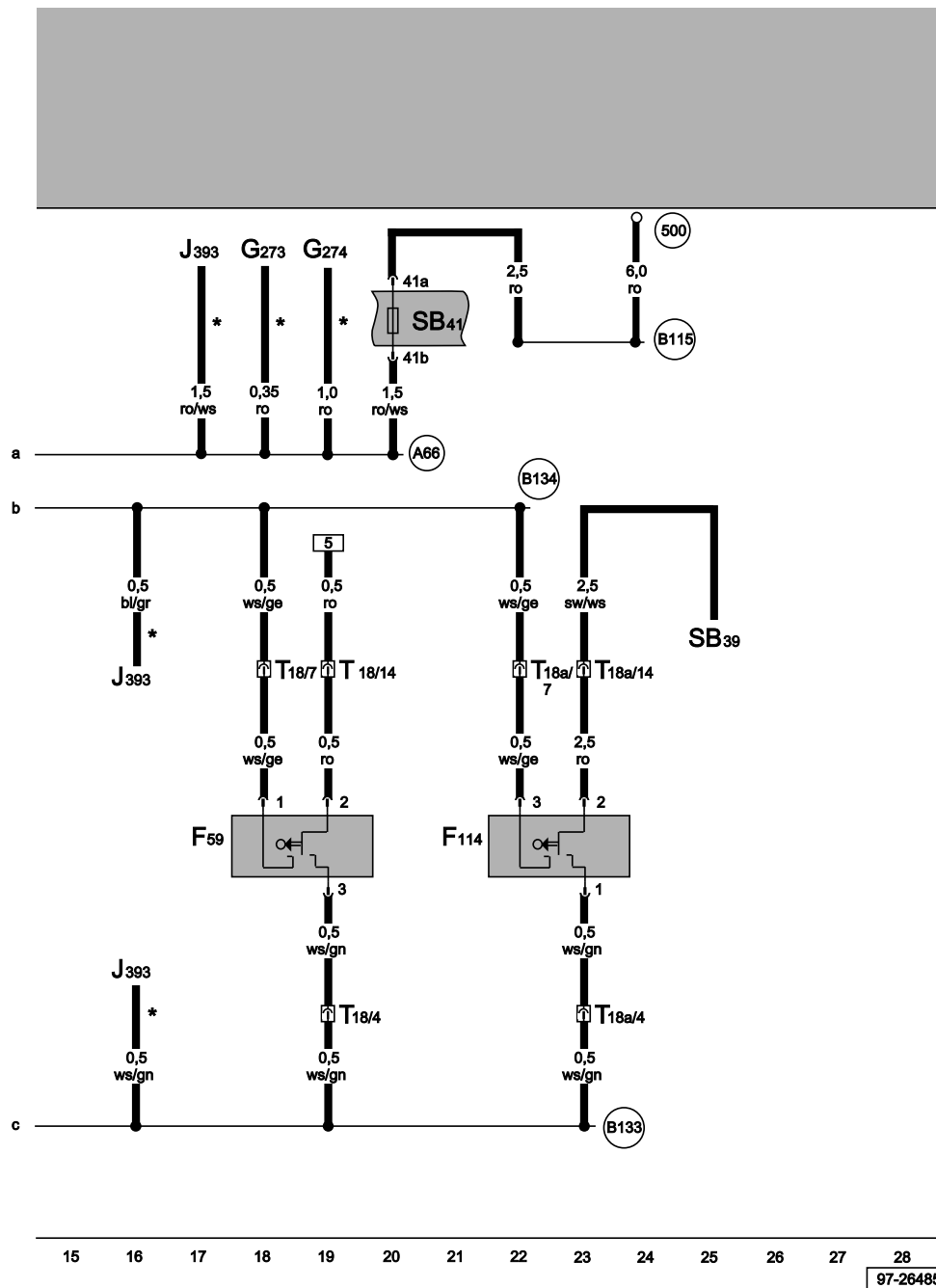
- 60 Earth point -2-, near right tail light
- 236 Earth connection -2-, in electric windows/central locking and convertible top wiring harness
- 304 Earth connection -3-, in door wiring harness - driver's side
- A3 Positive (+) connection (58), in dash panel wiring harness
- A20 Connection (15a), in dash panel wiring harness
- A66 Connection (30a, CL/A.TWS/IR), in dash panel wiring harness
- A125 Connection (crash signal), in dash panel wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- R10 Positive (+) connection -1- (30), in door wiring harness - driver's side
- R13 Positive (+) connection -4- (15), in door wiring harness - driver's side
- R51 Positive (+) connection (58b), in door wiring harness - driver's side

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- or = orange
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Tailgate/boot lid central locking switch (driver's side),
tailgate/boot lid central locking switch (front passenger's side)

- F59 Tailgate/boot lid central locking switch (driver's side)
- F114 Tailgate/boot lid central locking switch (front passenger's side)
- J393 Convenience system central control unit, behind dash panel, left
- G273 Interior monitoring sensor
- G274 Interior monitoring sensor
- SB41 Fuse -41- in relay plate fuse box
- T18 18-pin connector, in driver's door
- T18a 18-pin connector, in front passenger's door

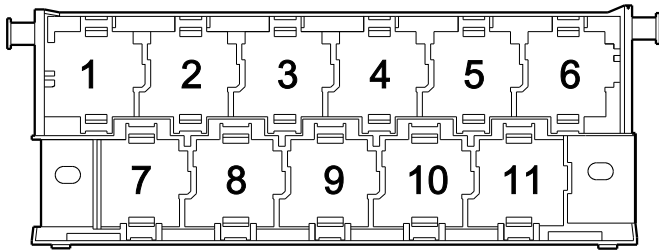
- 500 Screw connection -1- (30), on relay plate
- A66 Connection (30a, CL/A.TWS/IR), in dash panel wiring harness
- B115 Positive (+) connection (30, central electrics), in interior wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- * Only models with anti-theft alarm system



Radio navigation with CD changer

From October 1999

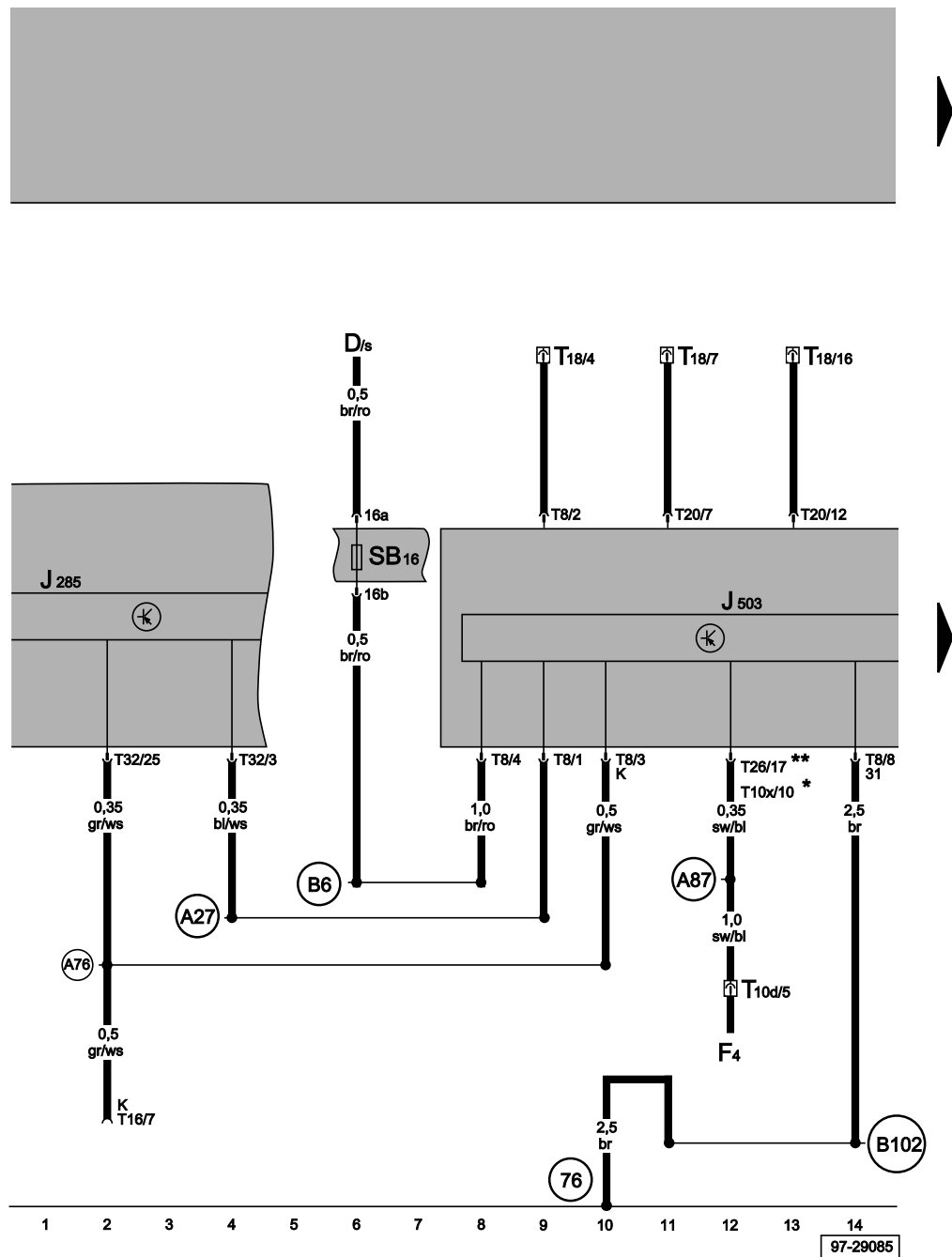
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Control unit with display for radio and navigation, dash panel insert

- D Ignition/starter switch
- F4 Reversing light switch
- J285 Control unit with display in dash panel insert
- J503 Control unit with display for radio and navigation
- SB16 Fuse -16- in fuse box
- T8 8-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10x 10-pin connector
- T16 16-pin connector, self-diagnosis connection
- T18 18-pin connector, VDA connector, under driver's seat (preparation for telephone)
- T26 26-pin connector
- T32 32-pin connector, blue

- 76 Earth point, near selector mechanism
- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- B6 Connection (S), in steering column switch wiring harness
- B102 Earth connection, in front left interior wiring harness

- * Only radio navigation system with black and white display
- ** Only radio navigation system with colour display

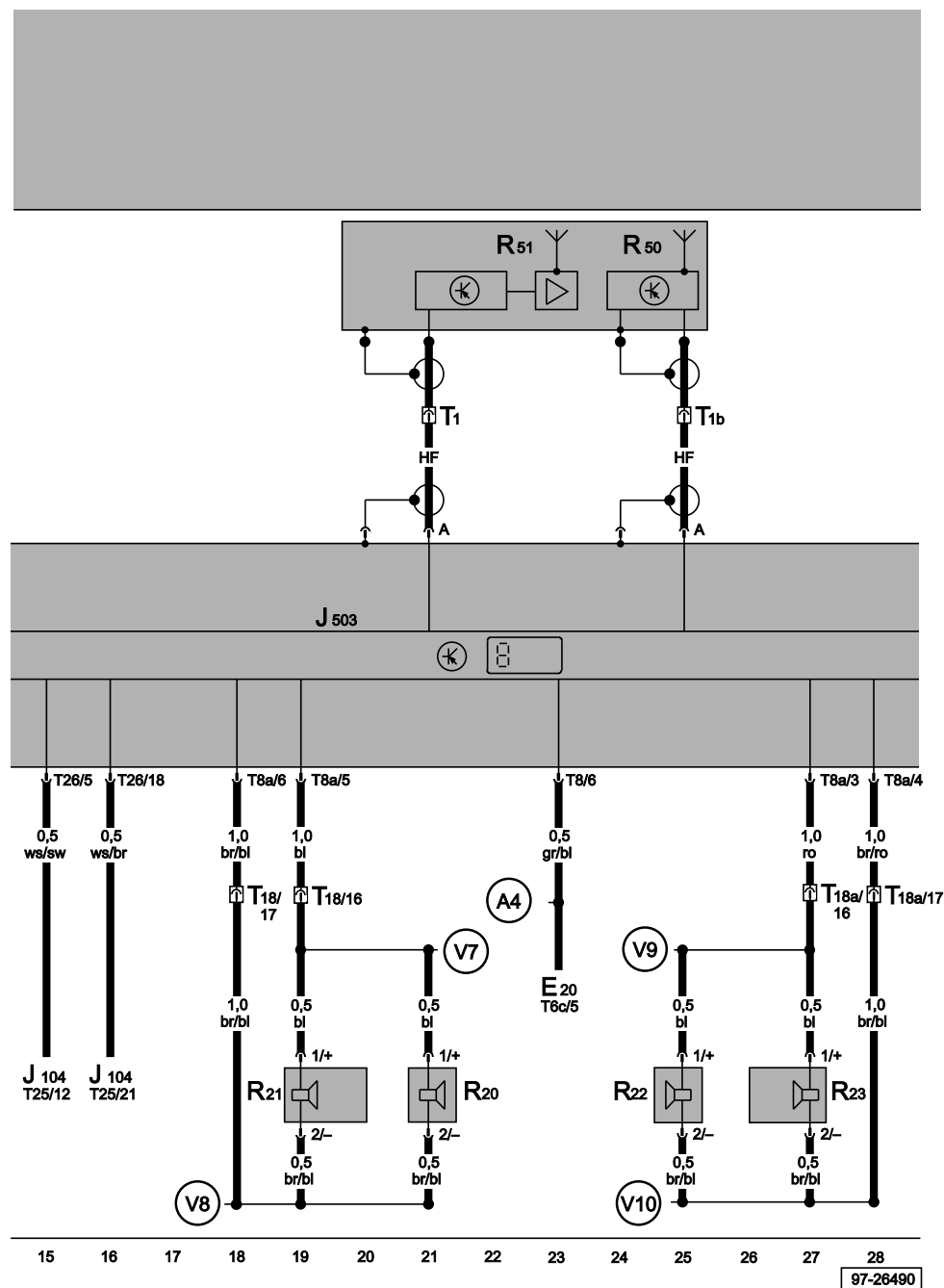
- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Control unit with display for radio and navigation, loudspeaker front, radio/telephone aerial, navigation aerial (GPS)

- E20 Switches and instruments, lighting control
- J104 ABS/ABS with EDL control unit, in engine compartment, left
- J503 Control unit with display for radio and navigation
- R20 Treble loudspeaker, front left, in door
- R21 Bass loudspeaker, front left, in door
- R22 Treble loudspeaker, front right, in door
- R23 Bass loudspeaker, front right, in door
- R50 Navigation aerial (GPS)
- R51 Antenna per radio/telephone
- T1 Single connector, near sunroof aerial
- T1b Single connector, near roof aerial
- T6c 6-pin connector
- T8 8-pin connector
- T8a 8-pin connector
- T18 18-pin connector, in driver's door
- T18a 18-pin connector, in front passenger's door
- T25 25-pin connector
- T26 26-pin connector

- A4 Positive (+) connection (58b), in dash panel wiring harness
- V7 Positive (+) connection (positive, loudspeaker FL), in loudspeaker wiring harness
- V8 Positive (+) connection (negative, loudspeaker FL), in loudspeaker wiring harness
- V9 Positive (+) connection (positive, loudspeaker FR), in loudspeaker wiring harness
- V10 Positive (+) connection (negative, loudspeaker FR), in loudspeaker wiring harness

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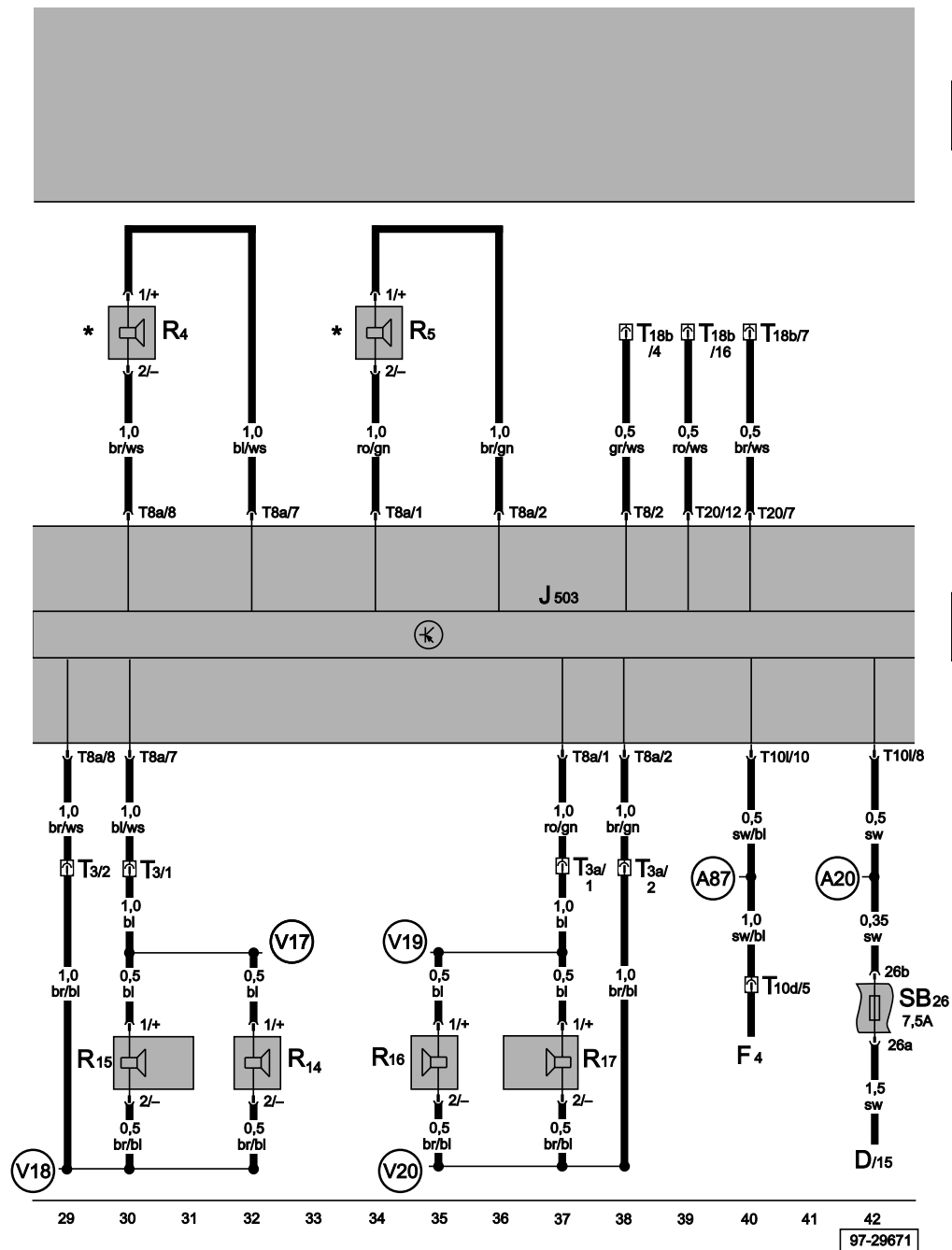


Control unit with display for radio and navigation, rear loudspeakers

- D Ignition/starter switch
- F4 Reversing light switch
- J503 Control unit with display for radio and navigation
- R4 Loudspeaker, rear left
- R5 Loudspeaker, rear right
- R14 Treble loudspeaker, rear left, in door
- R15 Bass loudspeaker, rear left, in door
- R16 Treble loudspeaker, rear right, in door
- R17 Bass loudspeaker, rear right, in door
- SB26 Fuse -26- on fuse box
- T3 3-pin connector
- T3a 3-pin connector
- T8 8-pin connector
- T8a 8-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10l 10-pin connector, red
- T18b 18-pin connector, VDA connector, under front passenger's seat

- A20 Connection (15a), in dash panel wiring harness
- A87 Connection (RL), in dash panel wiring harness
- V17 Connection (positive, rear left loudspeaker), in speaker wiring harness
- V18 Connection (negative, rear left loudspeaker), in speaker wiring harness
- V19 Connection (positive, rear right loudspeaker), in speaker wiring harness
- V20 Connection (negative, rear right loudspeaker), in speaker wiring harness

* Only models with two doors only

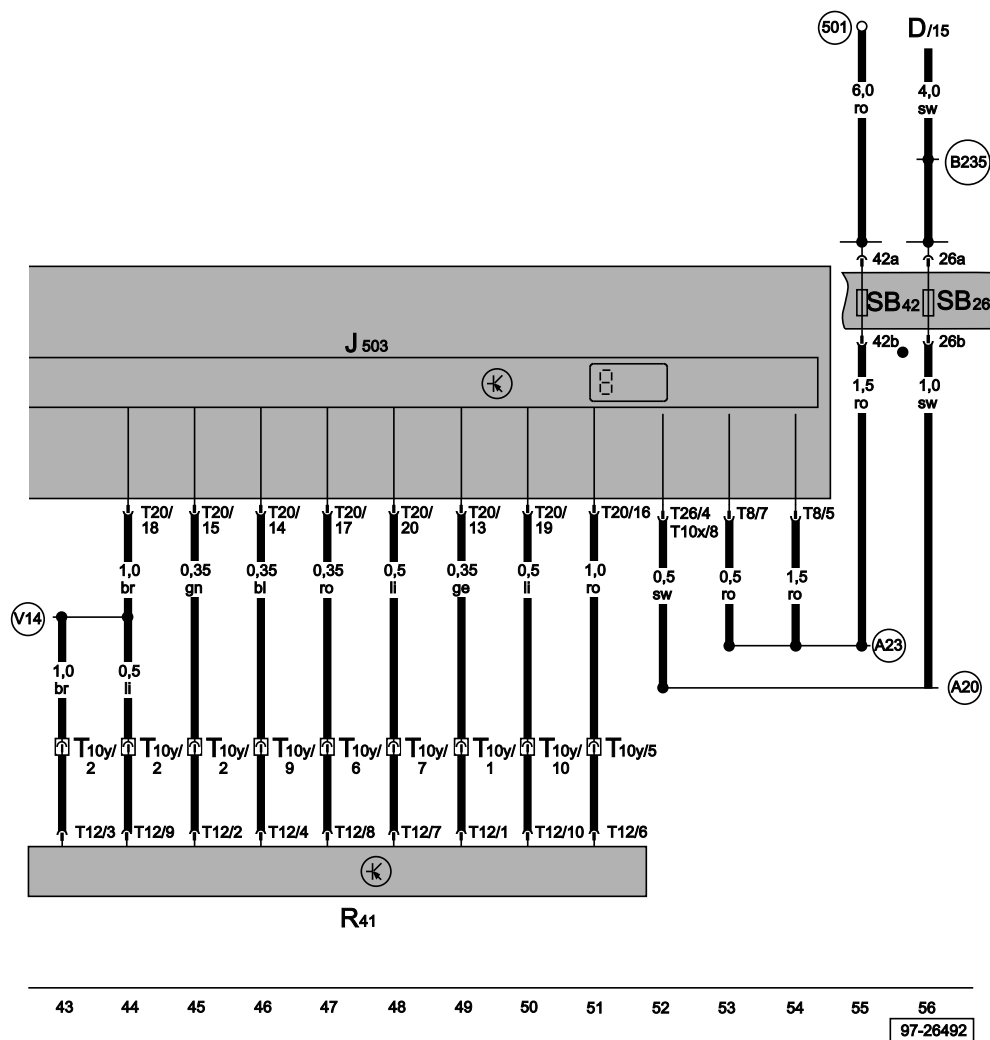


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- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

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

- D Ignition/starter switch
- J503 Control unit with display for radio and navigation
- R41 CD changer*
- SB26 Fuse -26- on fuse holder
- SB42 Fuse -42- on fuse holder
- T10x 10-pin connector
- T10y 10-pin connector, lilac
- T8 8-pin connector
- T12 12-pin connector
- T20 20-pin connector, blue (LINE)
- T26 26-pin connector

- 501 Screw connection -2- (30), on relay plate
- A20 Connection (15a), in dash panel wiring harness
- A23 Connection (30a), in dash panel wiring harness
- B235 Positive connection -4- (15a), in interior wiring harness
- V14 Connection (screening), in CD changer wiring harness
- * For vehicles with CD changer only

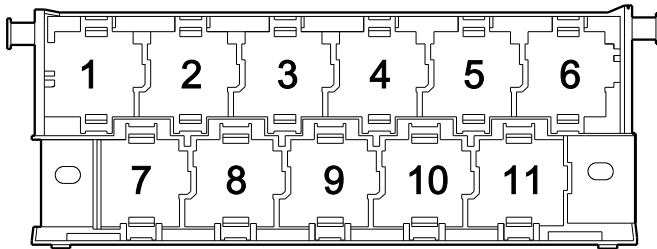


Radio systems

- ⇒ beta
- ⇒ beta with CD-changer
- ⇒ gamma
- ⇒ gamma with CD-changer

From October 1999

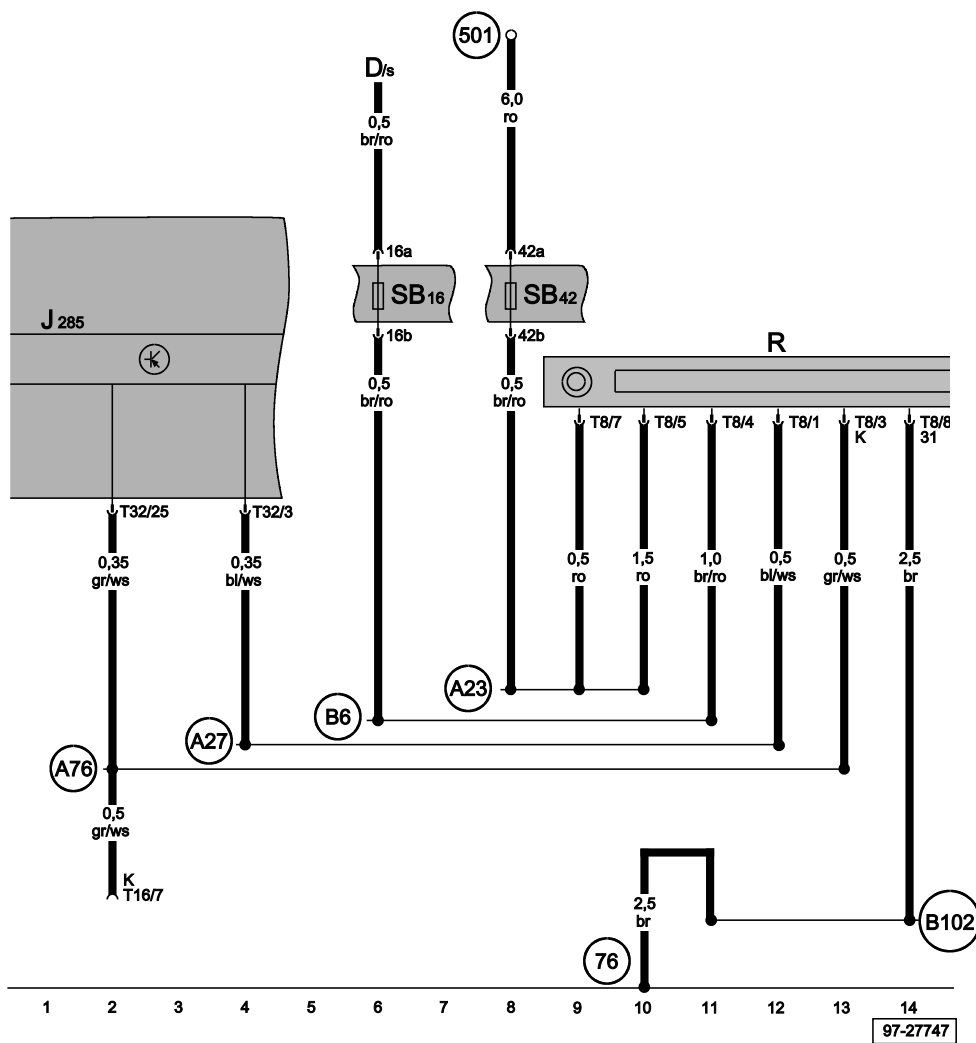
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

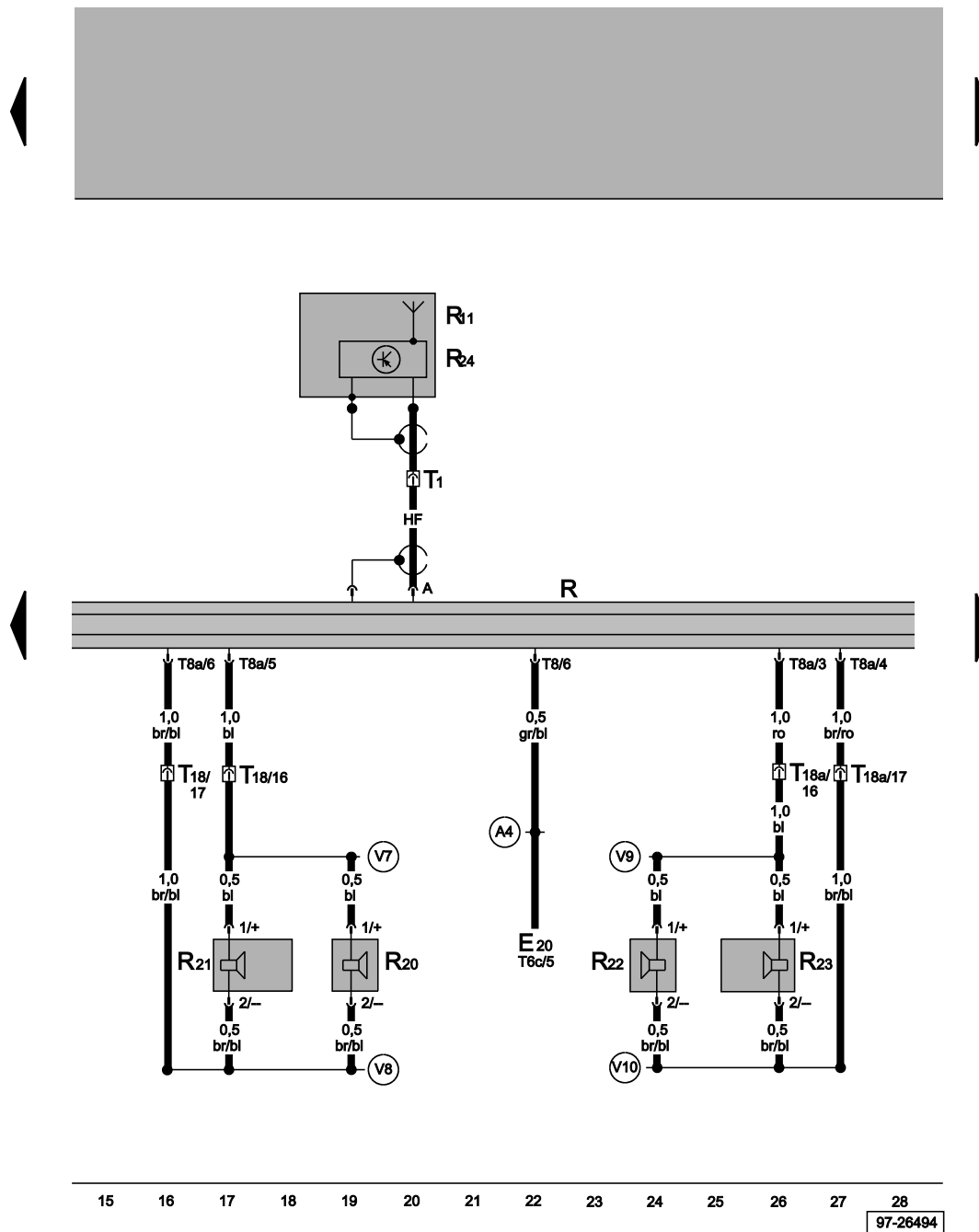
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



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 ge = yellow
 or = orange
 rs = pink

Radio, dash panel insert

- D Ignition/starter switch
- J285 Control unit with display in dash panel insert
- R Radio
- SB16 Fuse -16- in relay plate fuse box
- SB42 Fuse -42- in relay plate fuse box
- T8 8-pin connector
- T16 16-pin connector, in dash panel centre, self-diagnosis connection
- T32 32-pin connector, blue
- 76 Earth point, near selector mechanism
- 501 Screw connection -2- (30), on relay plate
- A23 Connection (30a), in dash panel wiring harness
- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- B6 Connection (S), in steering column switch wiring harness
- B102 Earth connection, in front left interior wiring harness



Radio, front loudspeakers, aerial, aerial amplifier

- E20 Switches and instruments - lighting control
- R Radio
- R11 Aerial
- R20 Treble loudspeaker, front left, in door
- R21 Bass loudspeaker, front left, in door
- R22 Treble loudspeaker, front right, in door
- R23 Bass loudspeaker, front right, in door
- R24 Aerial amplifier
- T1 1-pin connector, near sunroof aerial
- T8 8-pin connector
- T8a 8-pin connector
- T18 18-pin connector, in driver's door
- T18a 18-pin connector, in front passenger's door

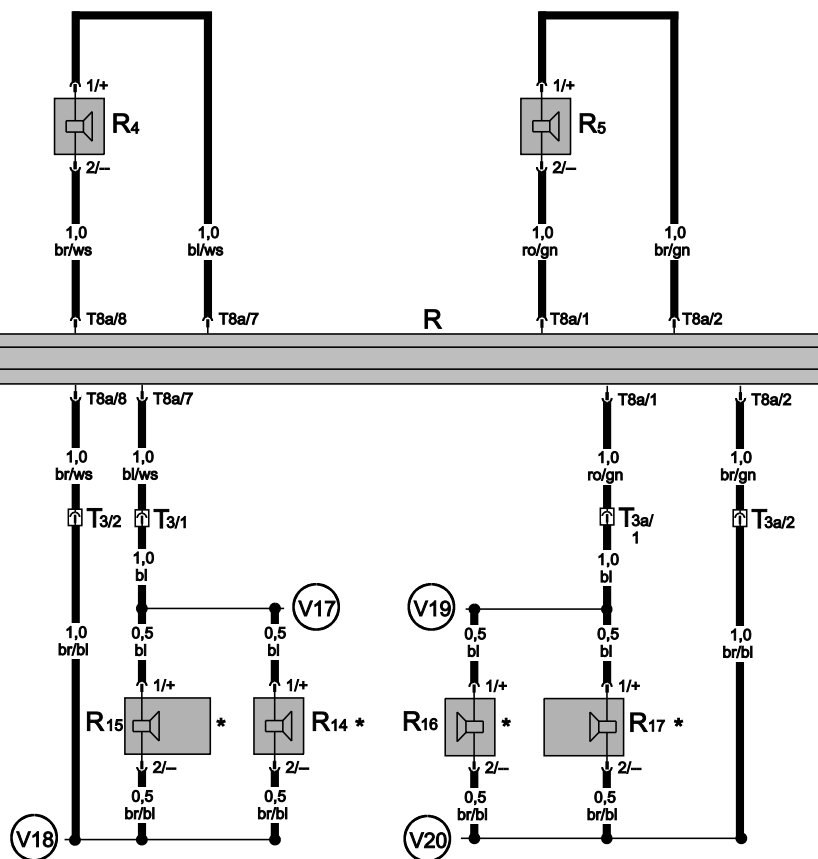
- A4 Positive (+) connection (58b), in dash panel wiring harness
- V7 Positive (+) connection (positive, loudspeaker FL), in loudspeaker wiring harness
- V8 Positive (+) connection (negative, loudspeaker FL), in loudspeaker wiring harness
- V9 Positive (+) connection (positive, loudspeaker FR), in loudspeaker wiring harness
- V10 Positive (+) connection (negative, loudspeaker FR), in loudspeaker wiring harness

Radio, rear loudspeakers

- R4 Rear left loudspeaker
- R5 Rear right loudspeaker
- R14 Rear left treble loudspeaker, in door
- R15 Rear left bass loudspeaker, in door
- R16 Rear right treble loudspeaker, in door
- R17 Rear right bass loudspeaker, in door
- T3 3-pin connector
- T3a 3-pin connector
- T8a 8-pin connector

- V17 Connection (positive, rear left loudspeaker), in speaker wiring harness
- V18 Connection (negative, rear left loudspeaker), in speaker wiring harness
- V19 Connection (positive, rear right loudspeaker), in speaker wiring harness
- V20 Connection (negative, rear right loudspeaker), in speaker wiring harness

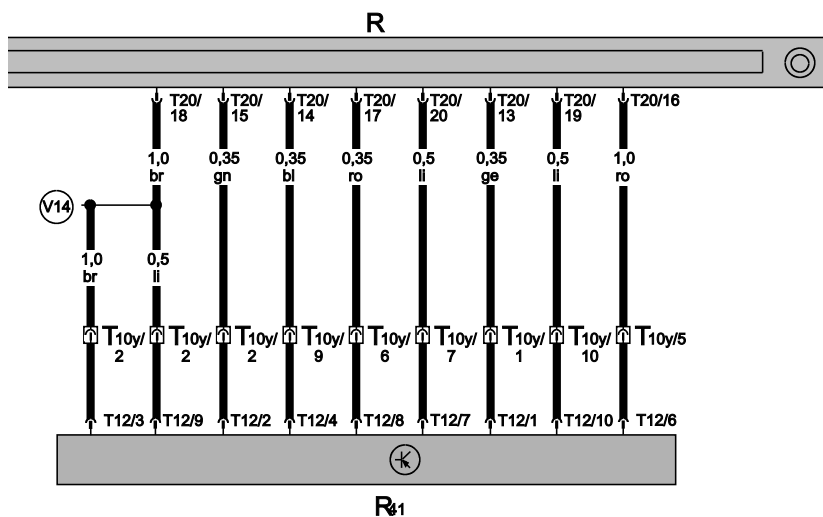
* Only models with four doors



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

Radio, CD changer

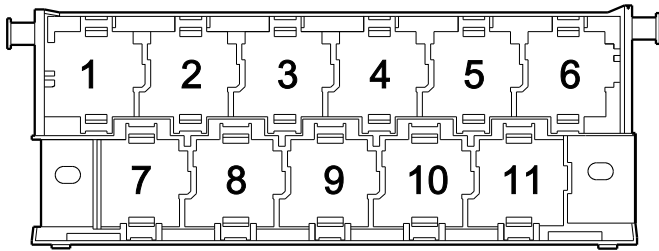
- R Radio
- R41 CD changer*
- T10y 10-pin connector, lilac
- T12 12-pin connector
- T20 20-pin connector, blue (LINE)
- V14 Connection (screening), in CD changer wiring harness
- * For vehicles with CD changer only



Folding fabric sunroof

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

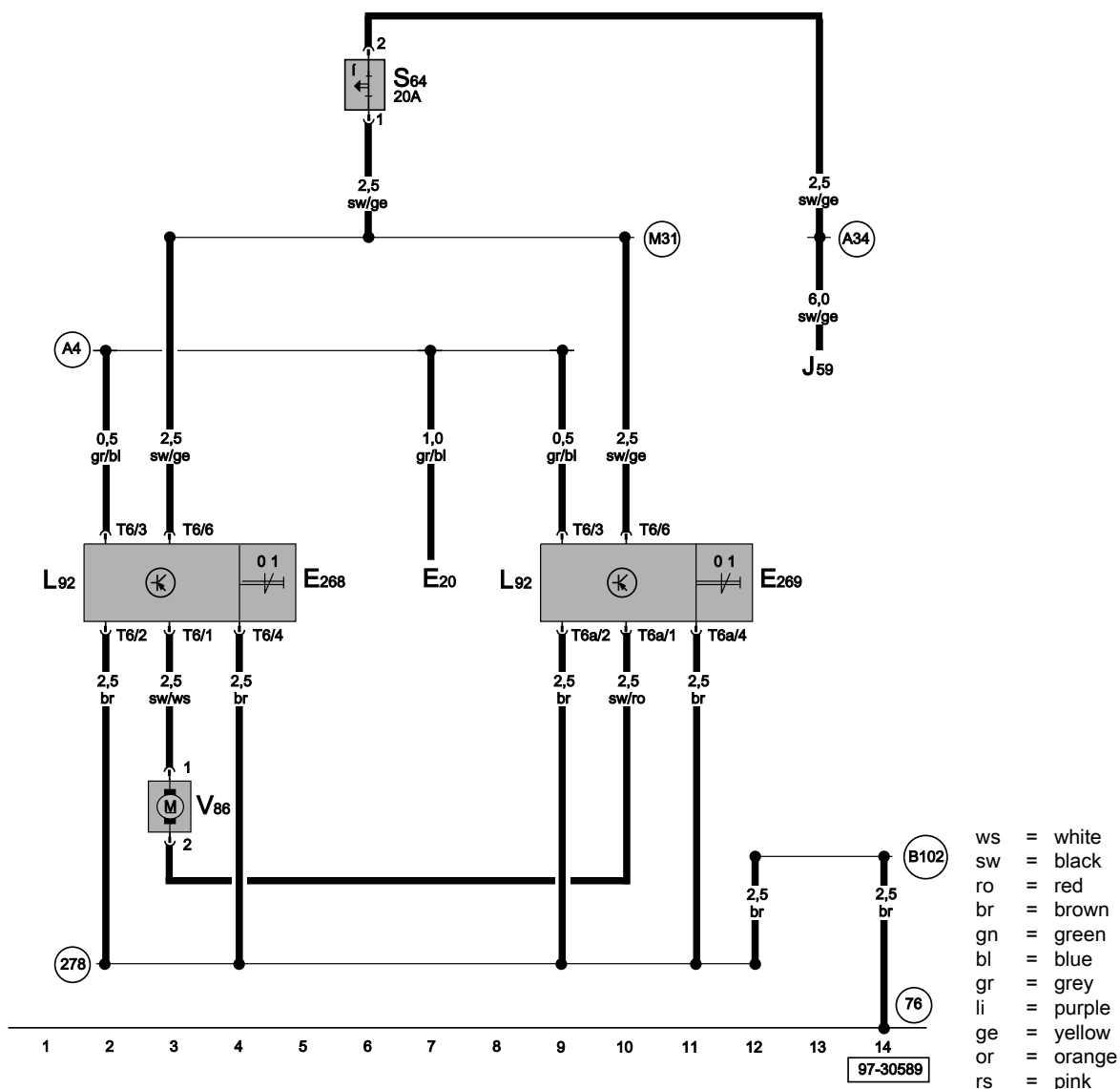
Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

Folding fabric sunroof motor, switch to open folding fabric sunroof, switch to close folding fabric sunroof

- E20 Switches and instruments, lighting control
- E268 Switch to open folding fabric sunroof
- E269 Switch to close folding fabric sunroof
- J59 X contact relief relay
- L92 Folding fabric sunroof switch illumination
- S64 Thermo-fuse, below relay carrier
- T6 6-pin connector, brown
- T6a 6-pin connector, grey
- V86 Folding fabric sunroof motor

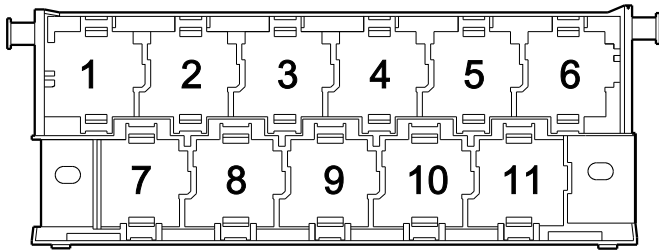
- 76 Earth point, near selector mechanism
- 278 Earth connection -4-, in interior wiring harness
- A4 Positive (+) connection (58b), in dash panel wiring harness
- A34 Connection (75x), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- M31 Connection (75), in convertible top operation wiring harness



Heated seats, driver's and front passenger's side

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.

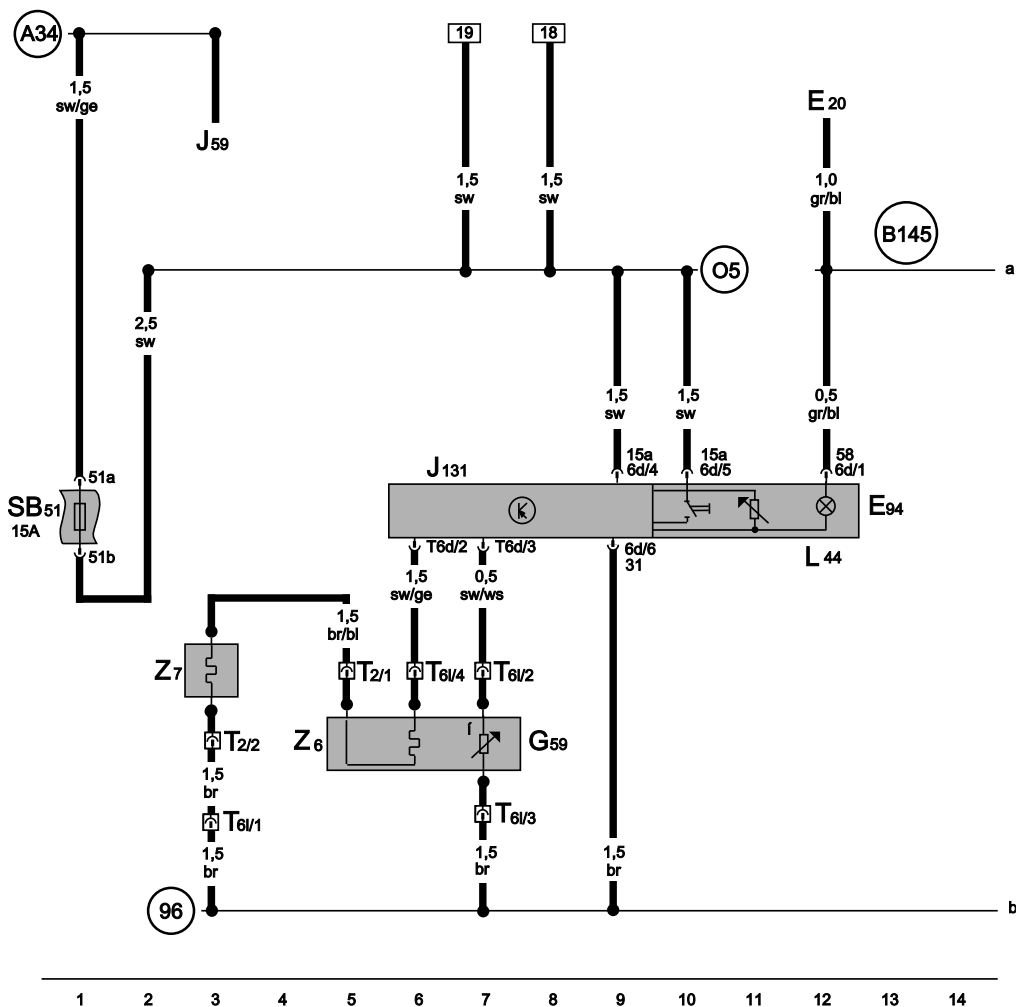


97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

Heated driver's seat control unit, heated driver's seat adjuster,
heated driver's seat, heated driver's seat backrest



97-28623

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

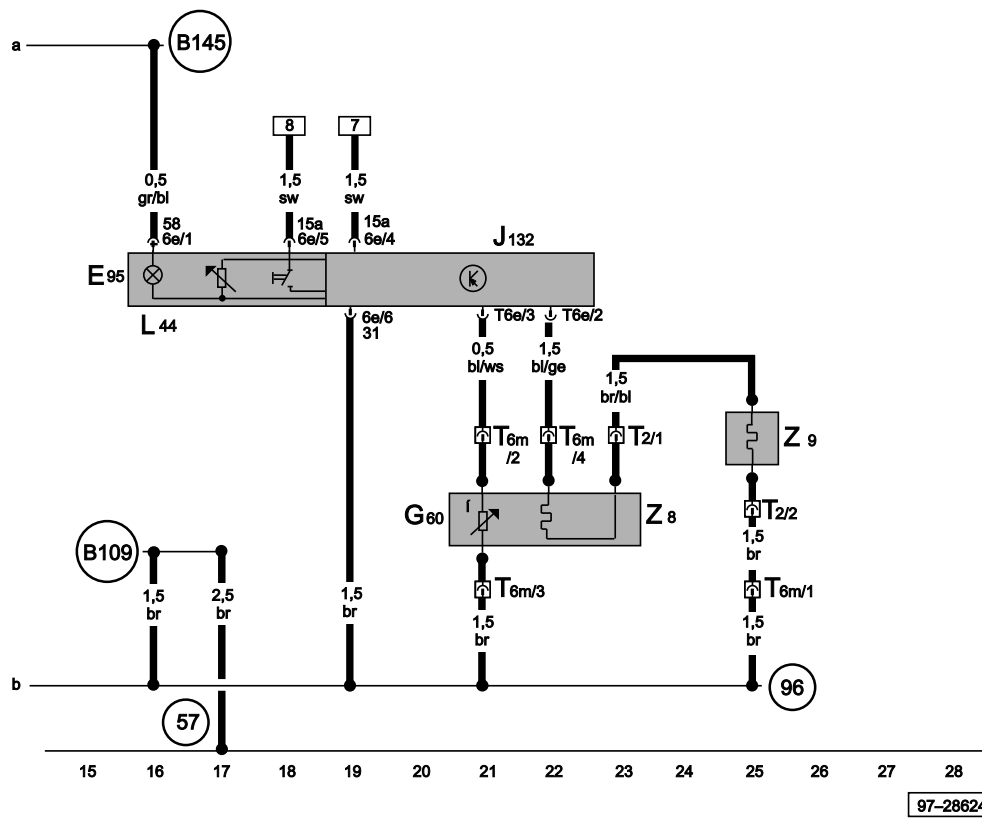
- E20 Switches and instruments, lighting control
- E94 Heated driver's seat adjuster
- G59 Driver's seat temperature sensor
- J59 X contact relief relay
- J131 Heated driver's seat control unit
- L44 Seat heating switch light bulb
- SB51 Fuse -51- in relay plate fuse box
- T2 2-pin connector, under driver's seat
- T6d 6-pin connector, black
- T6l 6-pin connector, black, under driver's seat
- Z6 Heated driver's seat
- Z7 Heated driver's seat backrest
- 96 Earth connection -1-, in seat heating wiring harness
- B145 Positive (+) connection (58b), in interior wiring harness
- A34 Connection (75x), in dash panel wiring harness
- O5 Positive (+) connection -1- (15a), in seat heating wiring harness



Heated driver's seat control unit, heated front passenger's seat adjuster, heated front passenger's seat, heated front passenger's seat backrest

- E95 Heated front passenger's seat adjuster
- G60 Front passenger's seat temperature sensor
- J132 Heated front passenger's seat control unit
- L44 Seat heating switch light bulb
- T2 2-pin connector, under front passenger's seat
- T6e 6-pin connector, black
- T6m 6-pin connector, black, under front passenger's seat
- Z8 Heated front passenger's seat
- Z9 Heated front passenger's seat backrest

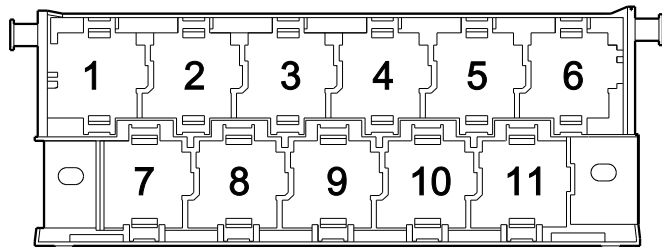
- 57 Earth point, rear pillar, left
- 96 Earth connection -1-, in seat heating wiring harness
- B109 Earth connection, in rear left interior wiring harness
- B145 Positive (+) connection (58b), in dash panel wiring harness



- ⇒ Exterior mirror, heated and adjustable
- ⇒ Sliding/tilting sunroof
- ⇒ Electric windows

From October 1999

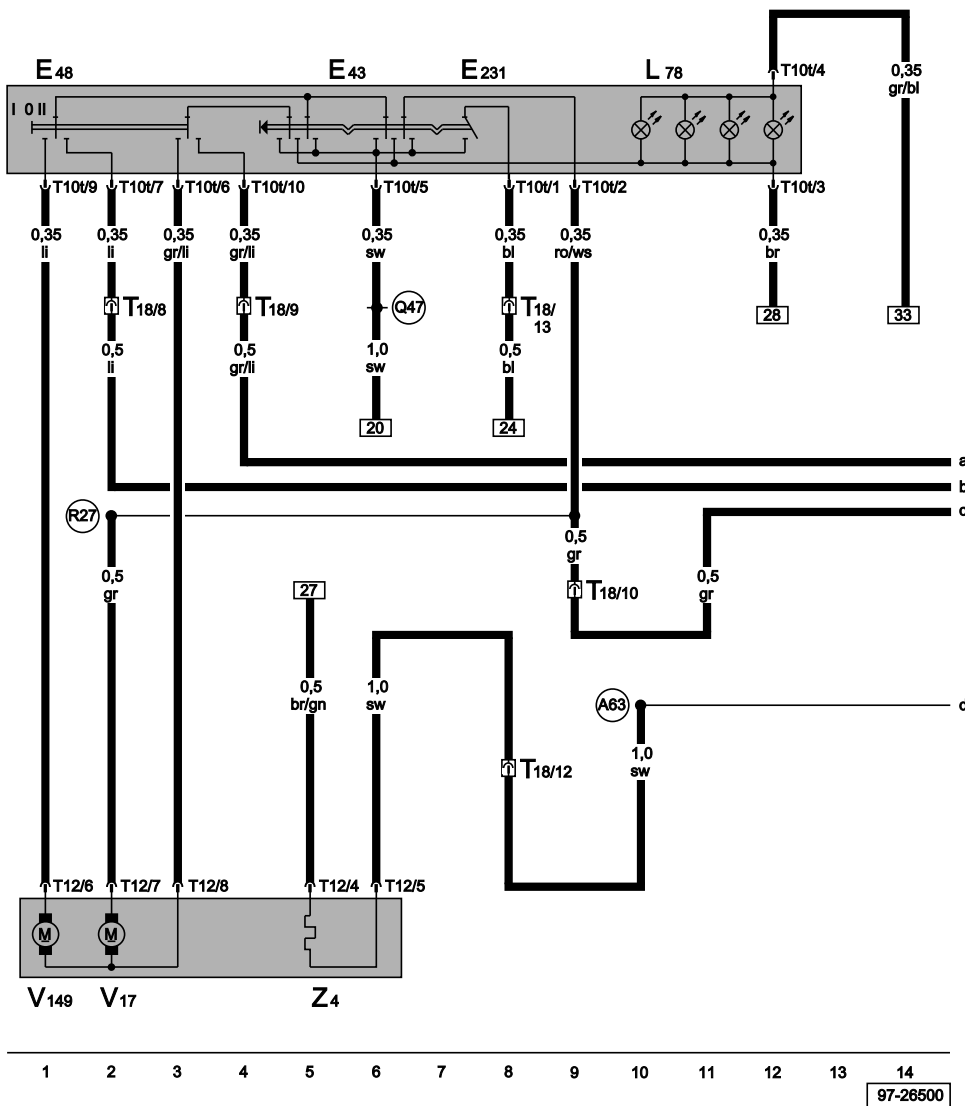
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



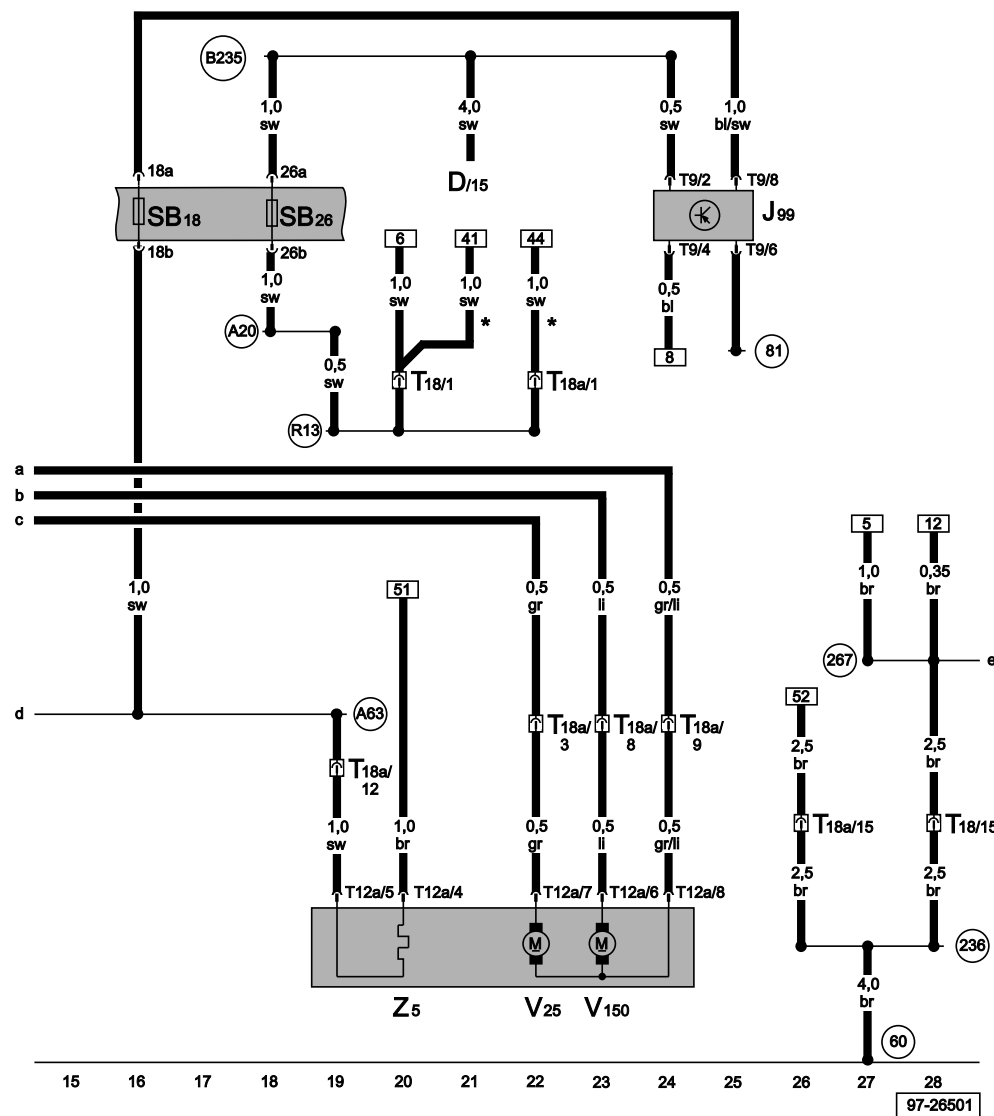
Mirror adjustment switch, driver's door electrically adjustable exterior mirror

- E43 Mirror adjustment switch
- E48 Mirror adjustment change-over switch
- E231 Exterior mirror heating button
- L78 Mirror adjustment switch illumination
- T10t 10-pin connector
- T12 12-pin connector, in driver's door
- T18 18-pin connector, in driver's door
- V17 Mirror adjustment motor, driver's side
- V149 Mirror adjustment motor, driver's side
- Z4 Heated exterior mirror, driver's side
- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- Q47 Positive connection (15a), en electric windows/ central locking and convertible top wiring harness
- R27 Connection (mirror adjustment), in driver's side door wiring harness

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- li = purple
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Electrically adjustable exterior mirror for front passenger's door, exterior mirror heater relay

- D Ignition/starter switch
- J99 Heated exterior mirror relay
- T12a 12-pin connector, in front passenger's door
- T18 18-pin connector, in driver's door
- T18a 18-pin connector, in front passenger's door
- V25 Mirror adjustment motor, front passenger's side
- V150 Mirror adjustment motor, front passenger's side
- Z5 Heated exterior mirror, front passenger's side
- 60 Earth point -2-, near right tail light
- 81 Earth connection -1-, in dash panel wiring harness
- 236 Earth connection -2-, in electric windows/central locking and convertible top wiring harness
- 267 Earth connection -2-, in driver's door wiring harness
- A20 Connection (15a), in dash panel wiring harness
- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- B235 Connection -4- (15a), in interior wiring harness
- R13 Positive connection -4- (15), in driver's door wiring harness
- * For vehicles with electric windows only

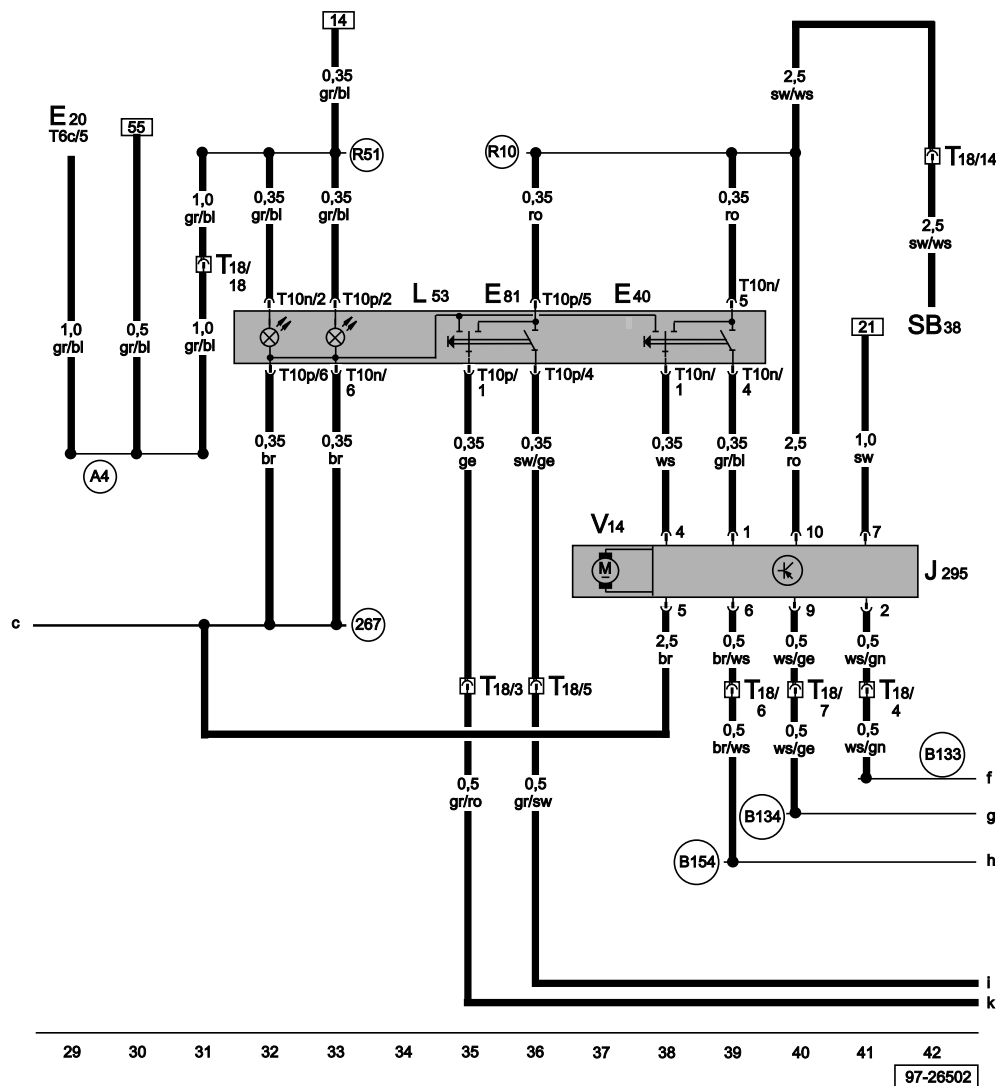


Front left electric window control unit, front left electric window motor, electric window switch on driver's side

- E20 Switches and instruments - lighting control
- E40 Front left electric window switch
- E81 Front right electric window switch, driver
- J295 Electric window control unit, FL
- L53 Electric window switch light bulb
- SB38 Fuse -38 - in relay plate fuse holder
- T6c 6-pin connector
- T10n 8-pin connector, black, in driver's door
- T10p 8-pin connector, black, in driver's door
- T18 18-pin connector, in driver's door
- V14 Electric window motor, left

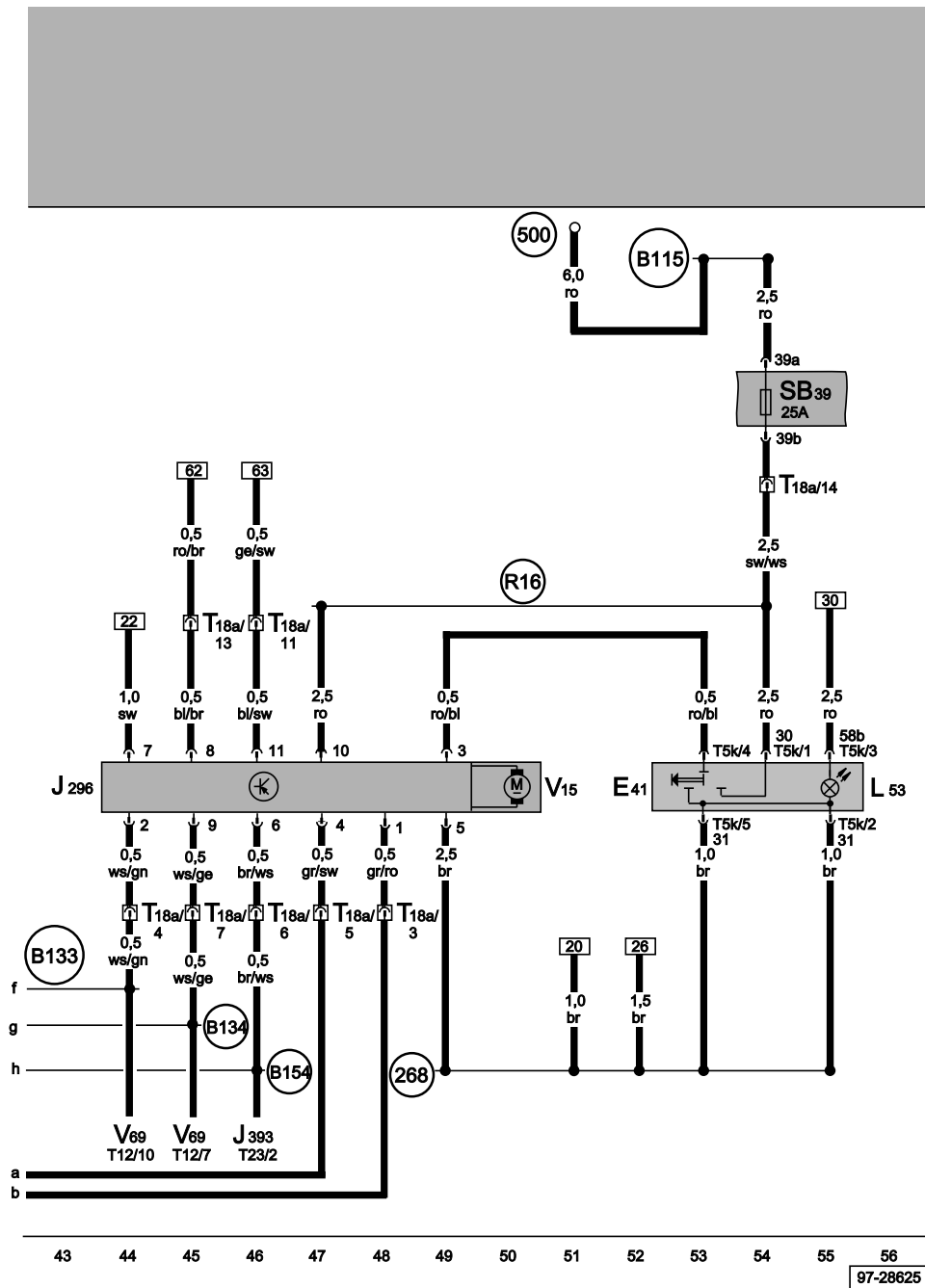
- 267 Earth connection -2-, in driver's door wiring harness
- A4 Positive (+) connection (58b), in dash panel wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- B154 Connection -1- (DC), in interior wiring harness
- R10 Positive connection -1- (30), in driver's door wiring harness
- R51 Connection (58b), in driver's side door wiring harness

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Electric window control unit front right, electric window motor right, window lifter switch right

- E41 Window lifter switch, front right
- J296 Electric window control unit, FR, in front passenger's door
- J393 Convenience system control unit
- L53 Window switch light bulb
- SB39 Fuse -39- in relay plate fuse box
- T5k 5-pin connector, on electric window switch
- T12 12-pin connector
- T18a 18-pin connector, in front passenger's door
- T23 23-pin connector
- V15 Electric window motor, right
- 268 Earth connection -2-, in door wiring harness - front passenger's side
- 500 Screw connection -1- (30), on relay plate
- B115 Positive (+) connection (30, central electrics), in interior wiring harness
- B133 Connection (central locking open), in interior wiring harness
- B134 Connection (central locking closed), in interior wiring harness
- B154 Connection -1- (DC), in interior wiring harness
- R16 Positive (+) connection -1- (30), in door wiring harness - front passenger's side



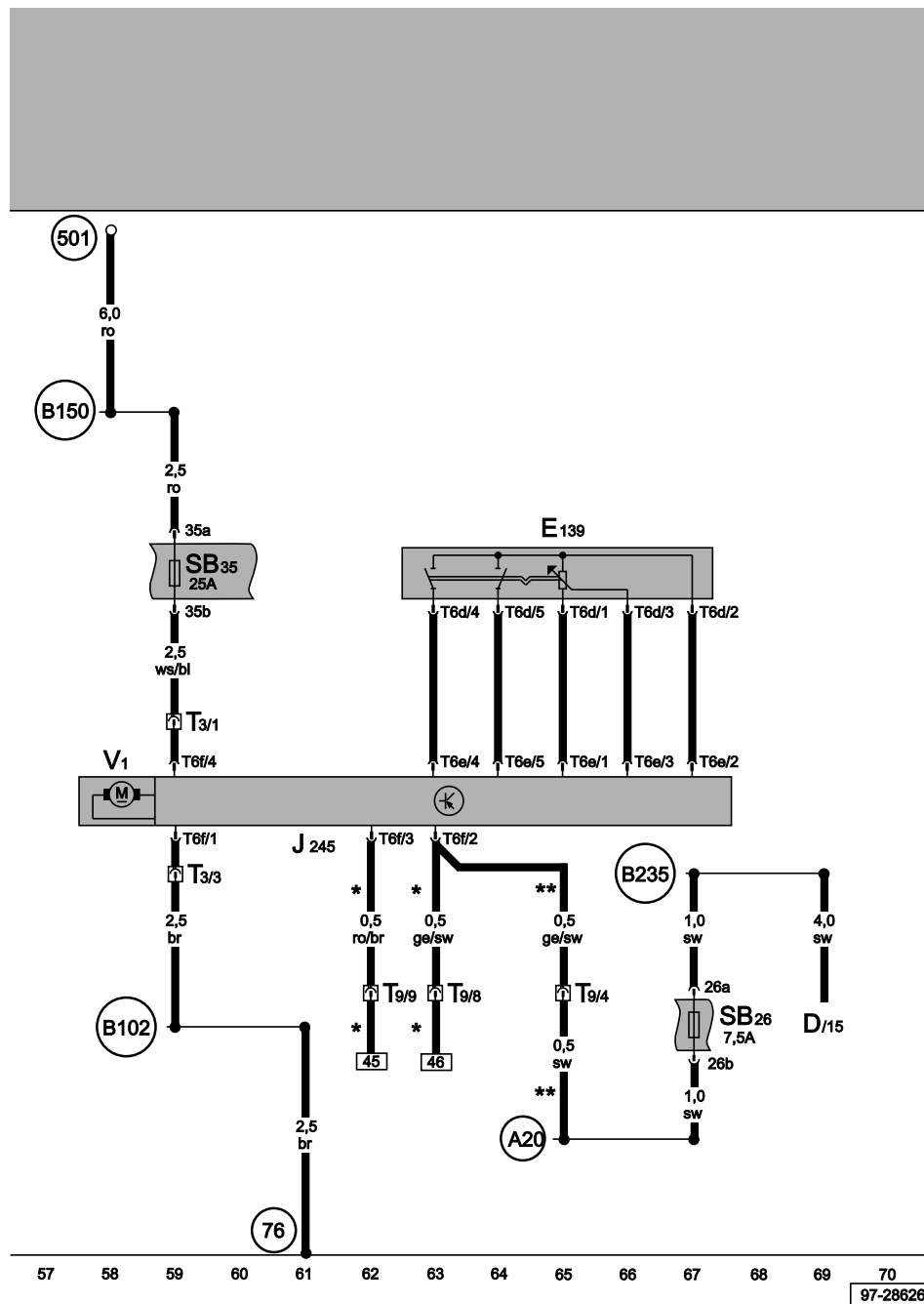
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
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- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Sliding sunroof adjustment control unit, sliding sunroof adjustment regulator

- D Ignition/starter switch
- E139 Sliding sunroof adjustment regulator
- J245 Sliding sunroof adjustment control unit
- SB26 Fuse -26- in relay plate fuse box
- SB35 Fuse -35- in relay plate fuse box
- T3 3-pin connector, near interior light
- T6d 6-pin connector, on sliding sunroof adjustment regulator
- T6e 6-pin connector, on sliding sunroof adjustment control unit
- T6f 6-pin connector, on sliding sunroof adjustment control unit
- V1 Sliding sunroof motor
- T9 9-pin connector, near interior light, front

- 76 Earth connection, near selector mechanism
- 501 Screw connection -2- (30), on relay plate
- A20 Connection (15a), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- B150 Positive (+) connection -2- (30a), in interior wiring harness
- B235 Positive (+) connection -4- (15a), in interior wiring harness

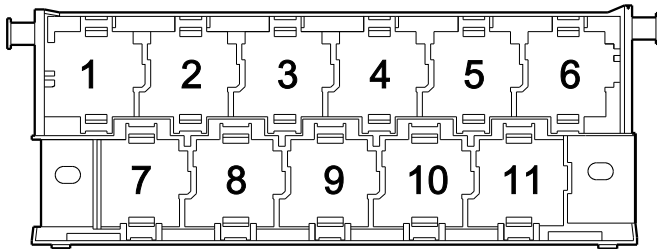
- * Only models with central locking
- ** Only models without central locking



Headlight washer system

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



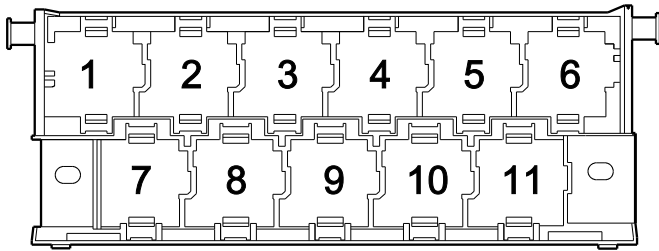
- 12 Earth point, in engine compartment, left
- 85 Earth connection -1-, in engine compartment wiring harness
- 282 Earth connection, in headlight washer system wiring harness
- C52 Positive (+) connection (30), in headlight washer system wiring harness
- D67 Connection (headlight washer system), in engine compartment wiring harness

Edition 08.2000

CAN-bus network

From October 1999

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

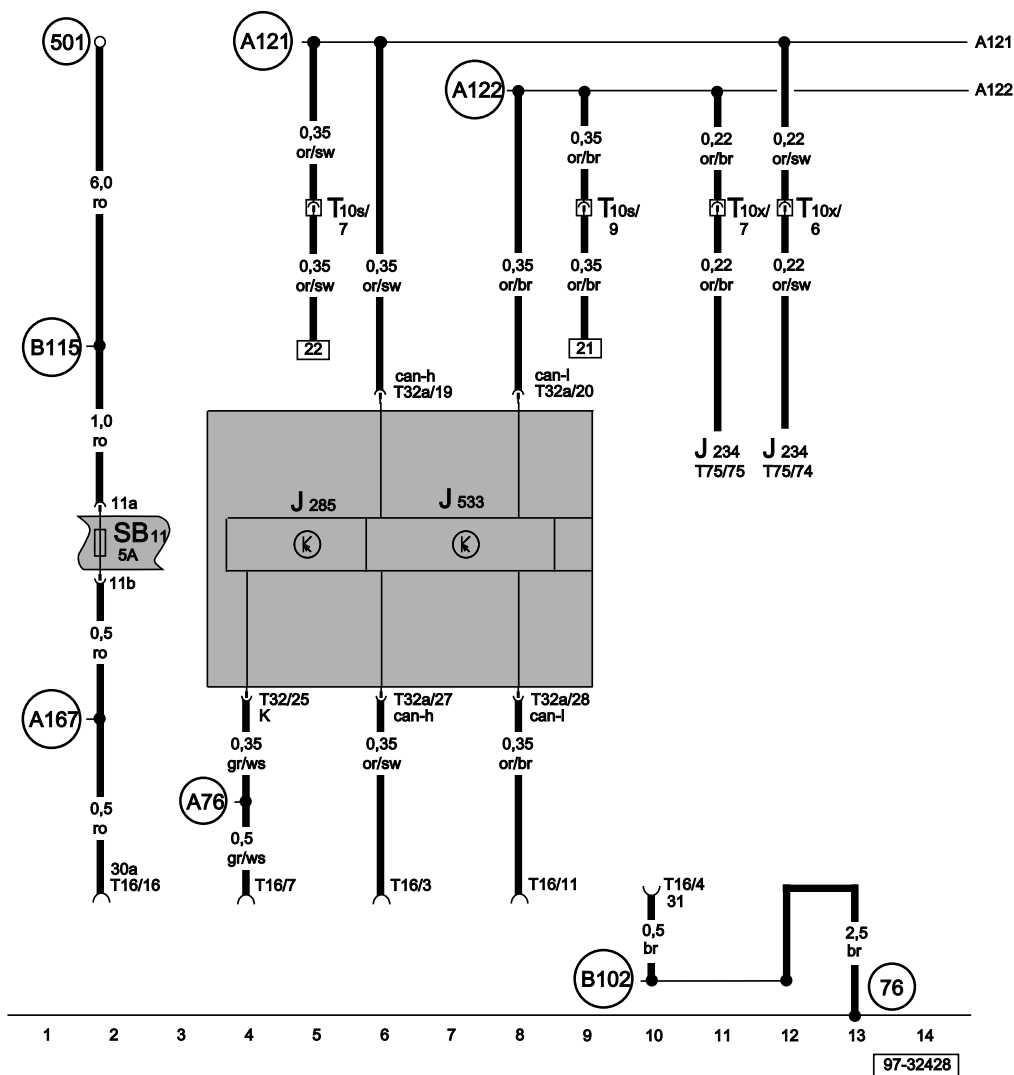


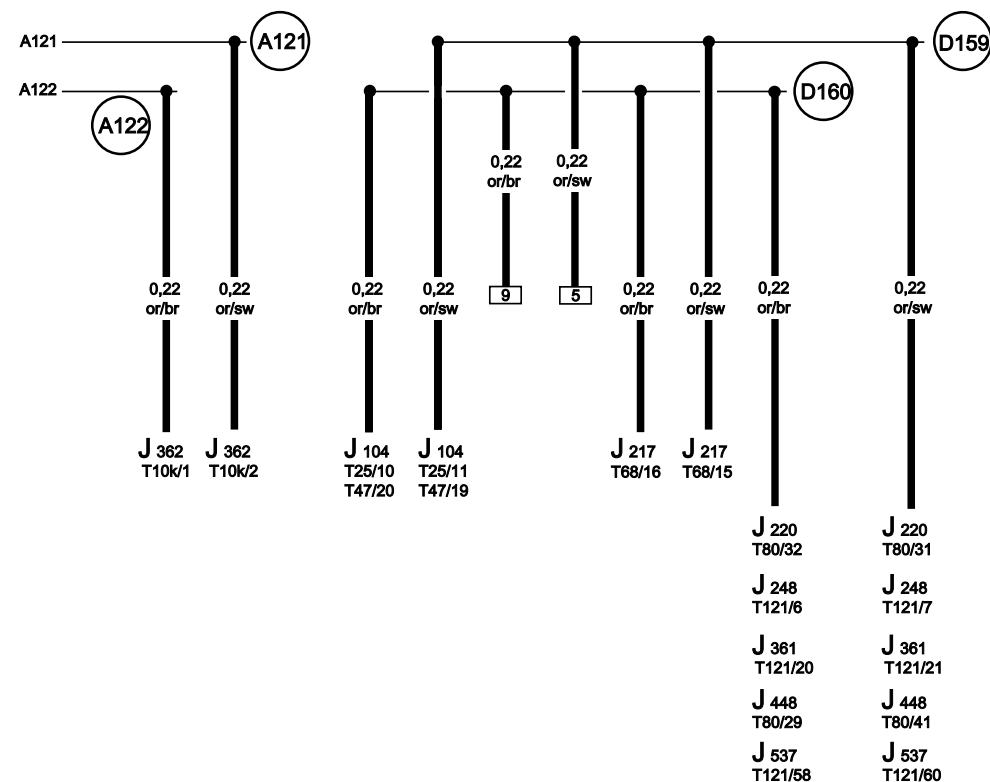
Dash panel insert, data bus diagnostic interface, self-diagnosis connection, airbag control unit connection, fuses

- J234 Airbag control unit
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface control unit
- SB11 Fuse -11- in fuse box/relay plate
- T10s 10-pin connector, grey, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, blue
- T32a 32-pin connector, green
- T75 75-pin connector

- 76 Earth point, near selector mechanism
- 501 Screw connection -2- (30), on relay plate
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness
- A167 Positive (+) connection -3- (30a), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B115 Positive (+) connection (30, central electrics), in interior wiring harness

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





ABS/ABS with EDL control unit, steering angle sender, automatic gearbox control unit, electronic manual gearbox control unit, engine control unit

- J104 ABS with EDL control unit
- J217 Automatic gearbox control unit
- J220 Motronic control unit
- J248 Diesel direct injection system control unit
- J361 Simos control unit
- J362 Immobilizer control unit
- J448 4AV/4CV (injection system) control unit
- J537 4LV control unit (injection system)
- T25 25-pin connector, on ABS with EDL control unit
- T10k 10-pin connector, on immobilizer control unit
- T47 47-pin connector, on ABS with EDL control unit
- T68 68-pin connector, on electronic manual gearbox control unit
- T80 80-pin connector
- T121 68-pin connector

- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness
- D159 Connection (high bus), in engine compartment wiring harness
- D160 Connection (low bus), in engine compartment wiring harness

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 or = orange
 rs = pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

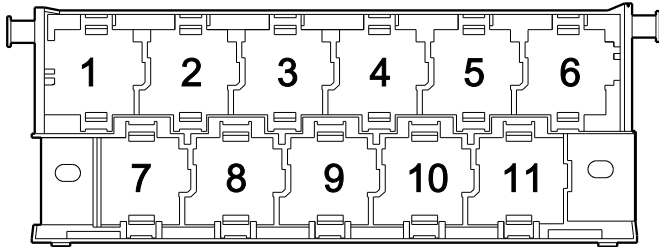
97-32429

Climatronic

⇒ 1.4 ltr./55 kW - Turbo diesel engine with unit injectors, engine codes AMF

From May 2000

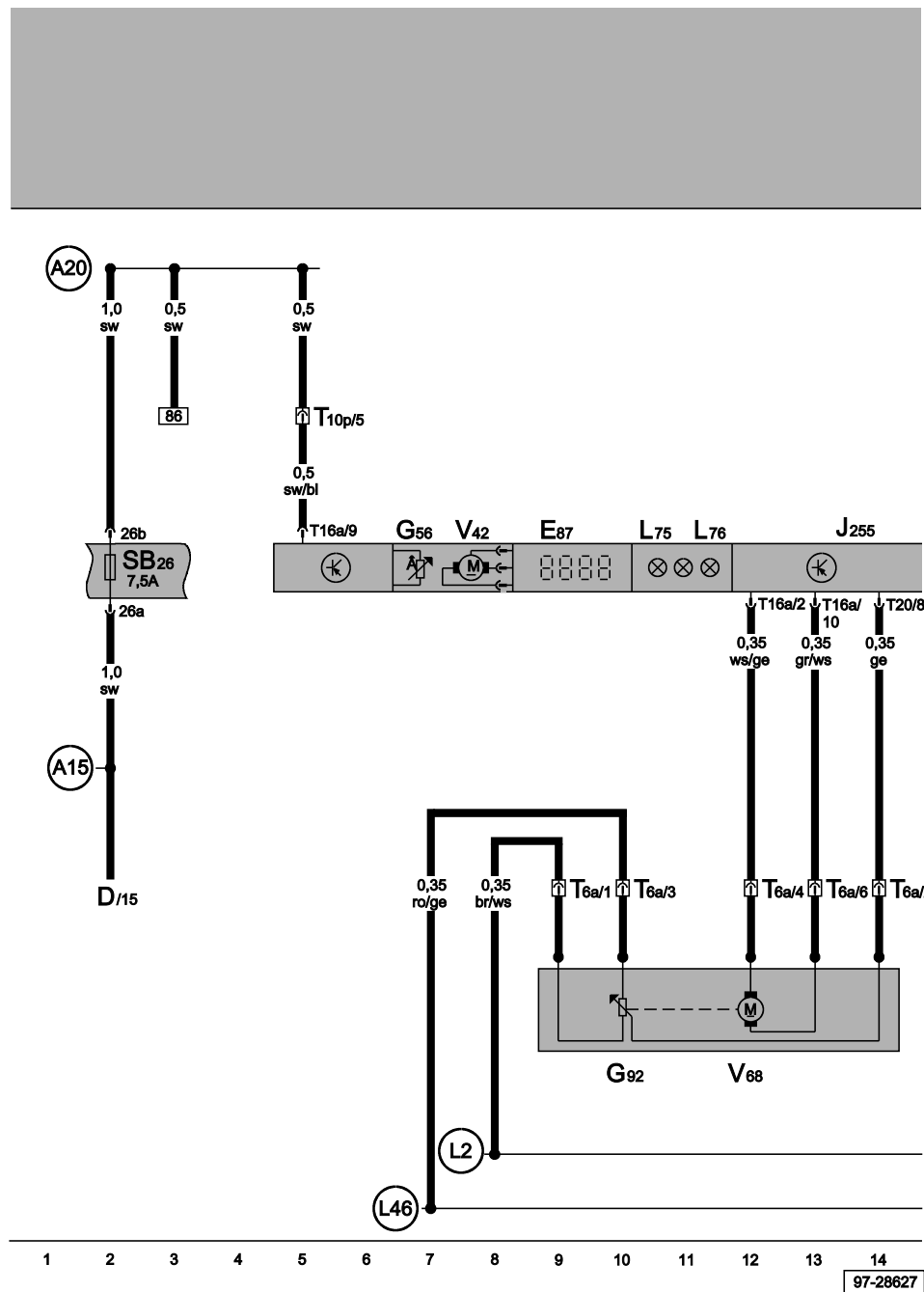
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Climatronic control unit, temperature flap control motor

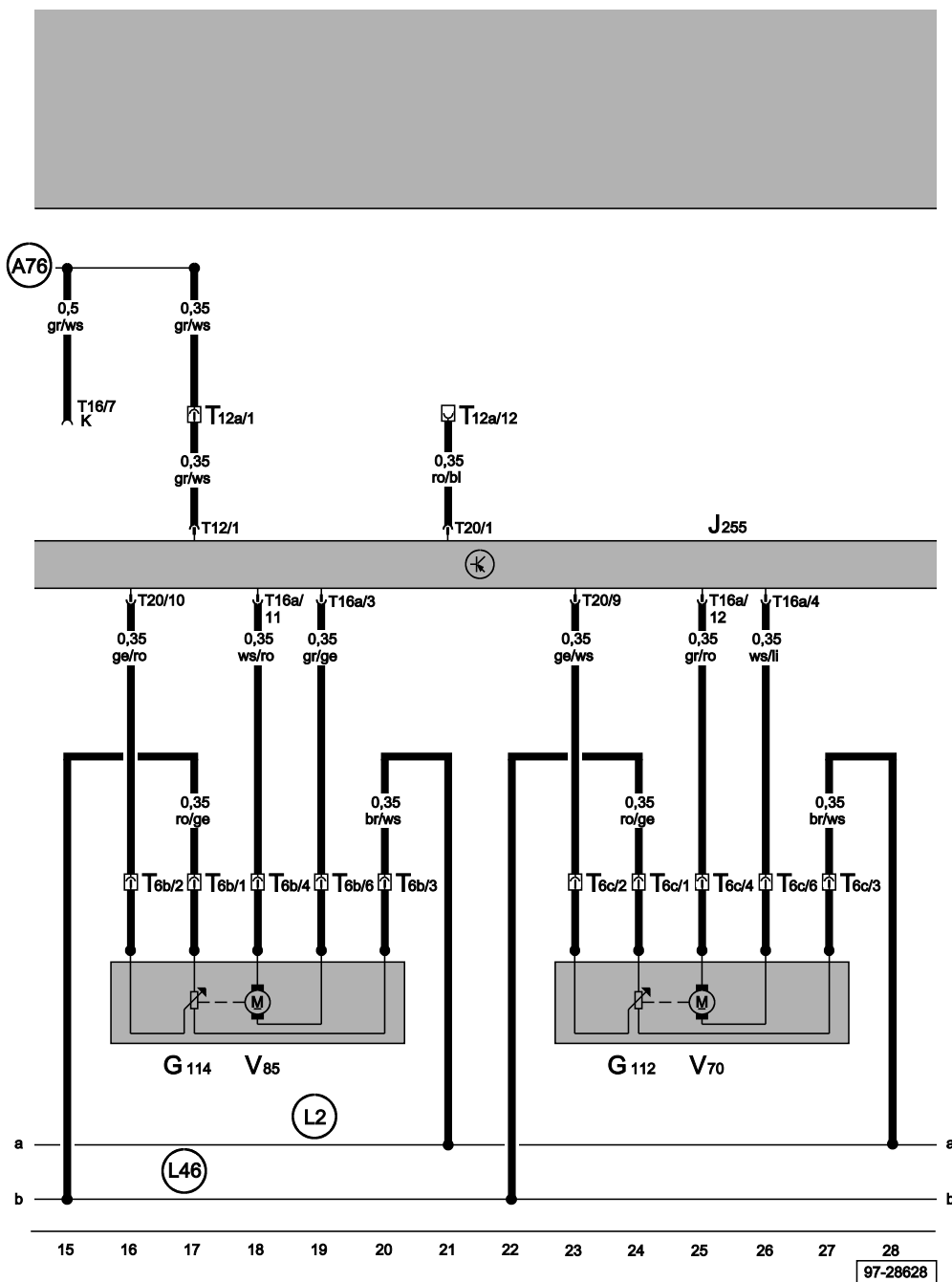
- D Ignition/starter switch
- E87 Control and display unit for Climatronic
- G56 Dash panel temperature sensor
- G92 Control motor potentiometer for temperature flap
- J255 Climatronic control unit
- L75 Digital display illumination
- L76 Button illumination
- SB26 Fuse -26- in fuse box
- T6a 6-pin connector, behind dash panel, centre
- T10p 10-pin connector, behind dash panel, centre
- T16a 16-pin connector
- T20 20-pin connector
- V42 Temperature sensor blower
- V68 Temperature flap control motor

- A15 Positive (+) connection (15), in instruments wiring harness
- A20 Connection (15a), in dash panel wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in Climatronic controls wiring harness

Climatronic control unit, central flap control motor, footwell/defroster flap control motor

- G112 Control motor potentiometer, central flap
- G114 Control motor potentiometer, footwell/defroster flap
- J255 Climatronic control unit
- T6b 6-pin connector, behind dash panel, centre
- T6c 6-pin connector, behind dash panel, centre
- T12 12-pin connector
- T12a 12-pin connector, behind dash panel, centre
- T16 16-pin connector, self-diagnosis connection
- T16a 16-pin connector
- T20 20-pin connector
- V70 Central flap control motor
- V85 Footwell/defroster flap control motor

- A76 Connection (diagnosis wire K), in dash panel wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in Climatronic controls wiring harness



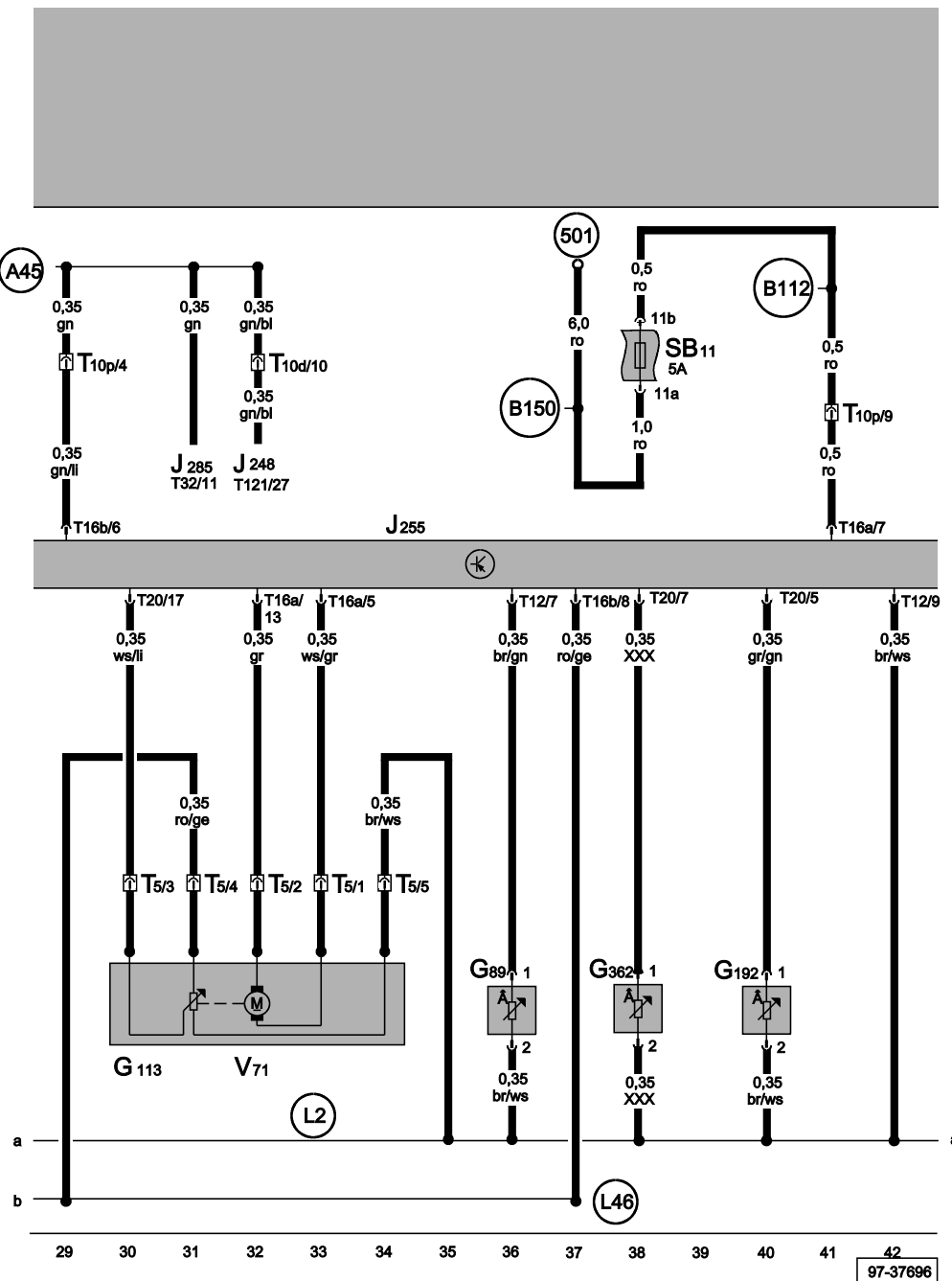
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- rs = pink

Climatronic control unit, air flow flap control motor, vent temperature sender, fresh air intake duct temperature sensor

- G89 Fresh air intake duct temperature sensor, on right below dash panel
- G113 Air flow flap control motor potentiometer
- G192 Vent temperature sender, footwell
- G362 Evaporator out-flow temperature sender
- J248 Diesel direct injection system control unit
- J255 Climatronic control unit
- J285 Control unit with display in dash panel insert
- SB11 Fuse -11- in relay plate fuse holder
- T5 5-pin connector
- T10d 10-pin connector, red, coupling station below relay carrier
- T10p 10-pin connector, behind dash panel
- T12 12-pin connector
- T16a 16-pin connector
- T16b 16-pin connector
- T20 20-pin connector
- T32 32-pin connector, blue
- T121 121-pin connector
- V71 Air flow flap control motor

- 501 Screw connection -2- (30), on relay plate
- A45 Connection (engine speed signal), in dash panel wiring harness
- B112 Positive connection (30a), in right interior wiring harness
- B150 Positive connection -2- (30a), in interior wiring harness
- L2 Connection, in air conditioner wiring harness
- L46 Connection (5V), in air conditioner wiring harness

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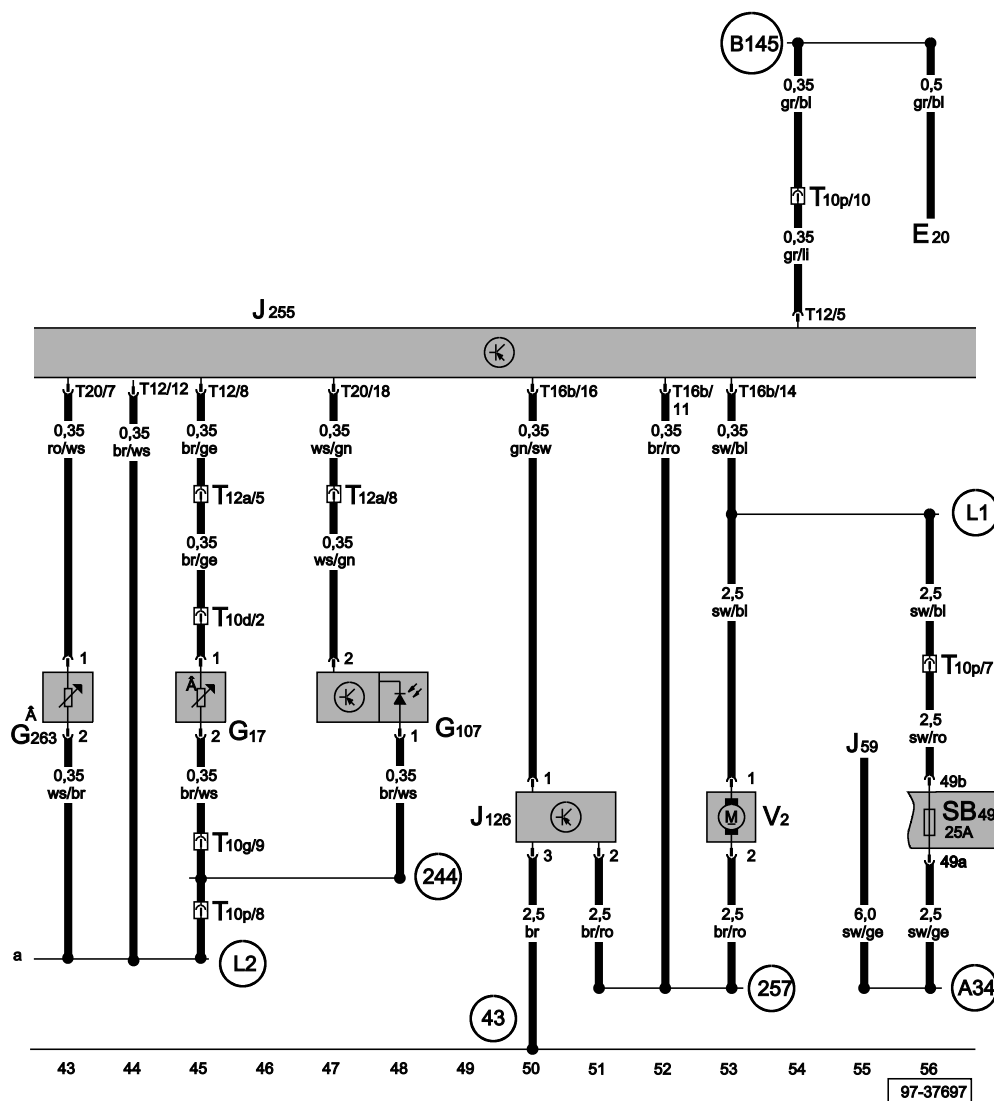


Climatronic control unit, temperature sensor, fresh air blower, fresh air blower control unit, sunlight penetration photosensor

- E20 Switches and instruments illumination regulator
- G17 Ambient temperature sensor, on left in front bumper
- G107 Sunlight penetration photosensor
- G263 Evaporator out-flow temperature sender
- J59 X contact relief relay
- J126 Fresh air blower control unit, on right below dash panel
- J255 Climatronic control unit
- SB49 Fuse -49- in fuse holder
- T10d 10-pin connector, red
- T10g 10-pin connector, brown
- T10p 10-pin connector, in centre behind dash panel
- T12 12-pin connector
- T12a 12-pin connector
- T16b 16-pin connector
- T20 20-pin connector
- V2 Fresh air blower

- 43 Earth point, lower right A-pillar
- 244 Earth connection (sender earth), in Climatronic wiring harness
- 257 Earth connection -2-, in Climatronic wiring harness
- A34 Connection (75x), in dash panel wiring harness
- B145 Positive connection (58b), in interior wiring harness
- L1 Positive connection (75), in air conditioner wiring harness
- L2 Connection, in air conditioner wiring harness

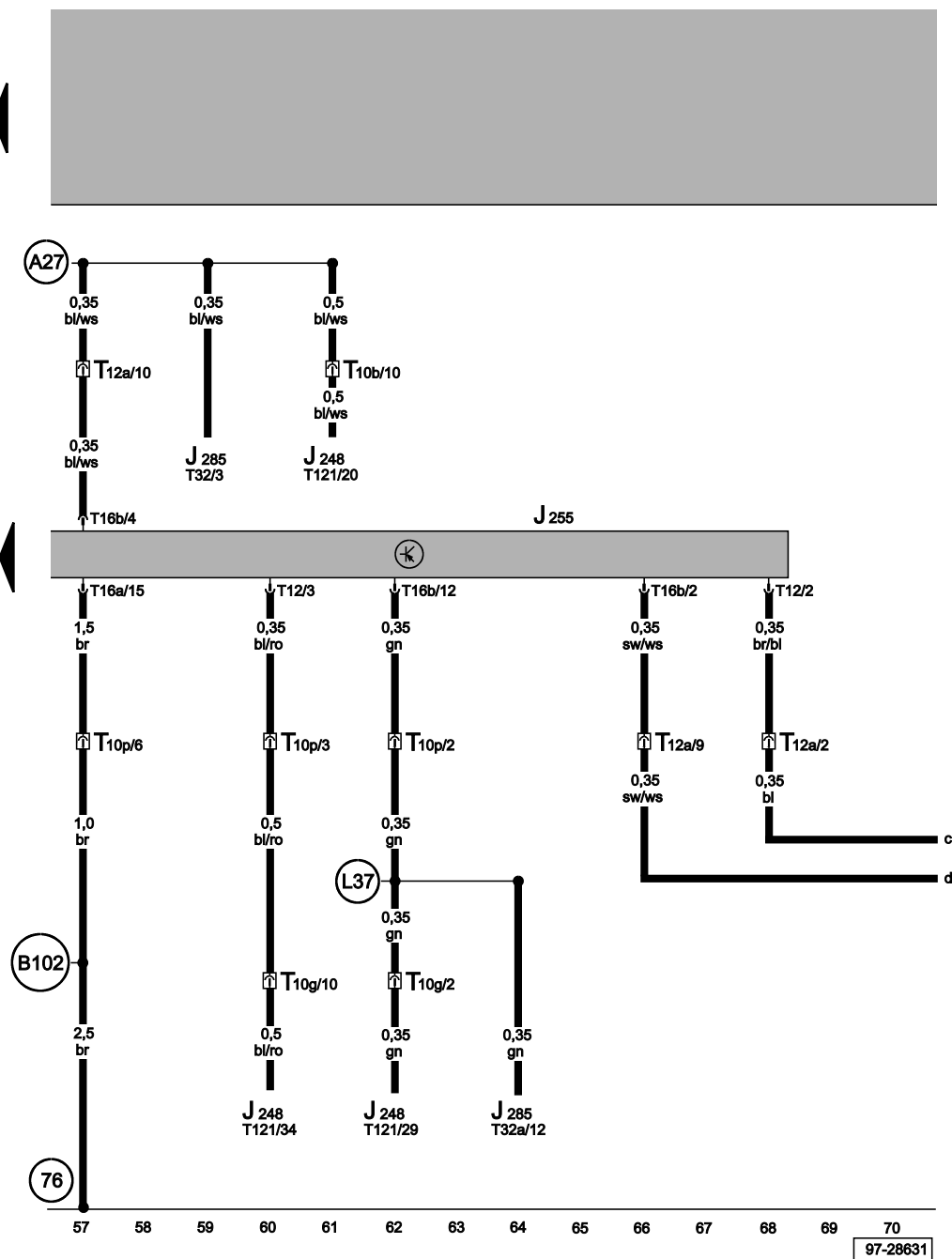
ws = white
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or = orange
rs = pink



Climatronic control unit

- J248 Diesel direct injection system control unit
- J255 Climatronic control unit
- J285 Control unit with display in dash panel insert
- T10b 10-pin connector, black, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10p 10-pin connector, behind dash panel, centre
- T12 12-pin connector
- T12a 12-pin connector, behind dash panel, centre
- T16a 16-pin connector
- T16b 16-pin connector
- T32 32-pin connector, blue, on dash panel insert
- T32a 32-pin connector, green, on dash panel insert
- T121 121-pin connector

- 76 Earth point, near selector mechanism
- A27 Connection (speed signal), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- L37 Connection -2-, in Climatronic controls wiring harness

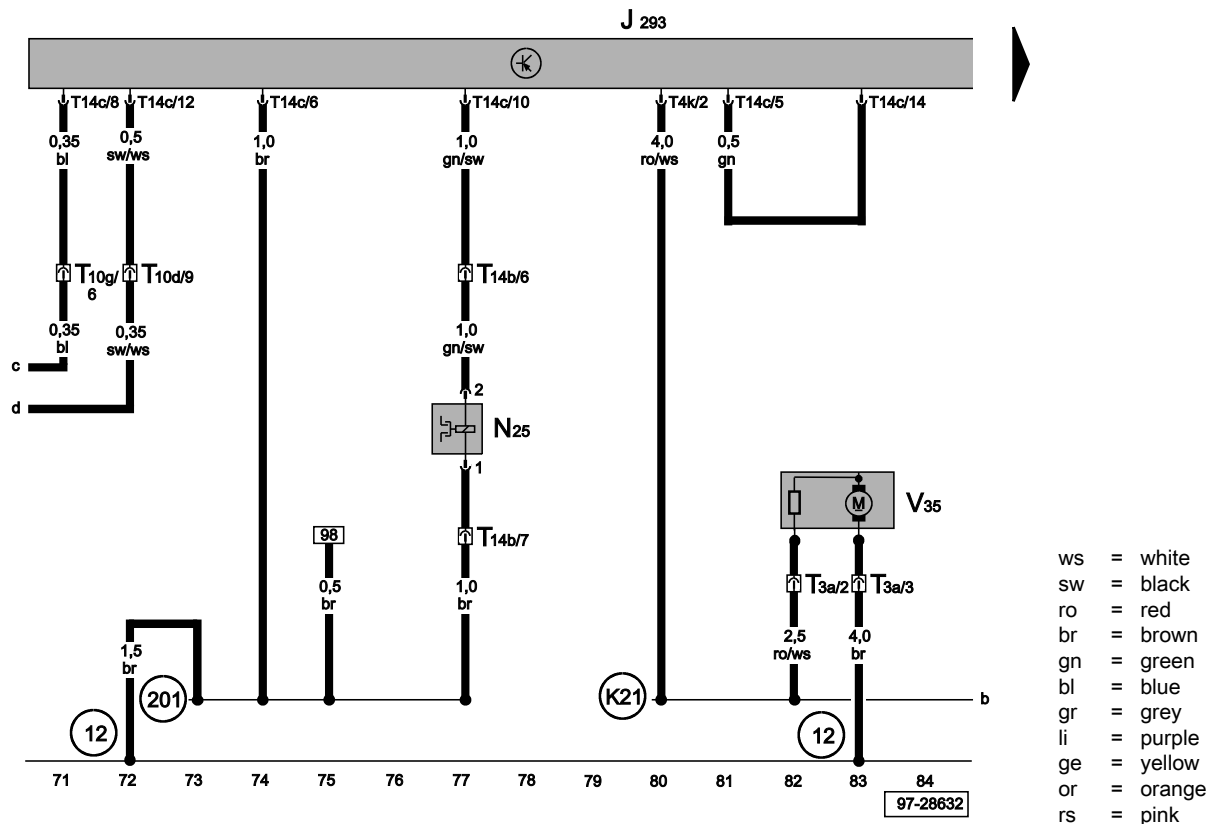


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Radiator fan control unit, radiator fan, air conditioning system magnetic coupling

- J293 Radiator fan control unit, in engine compartment, front left
- N25 Air conditioning system magnetic coupling
- T3a 3-pin connector, in engine compartment, front left
- T4k 4-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- T14c 14-pin connector
- V35 Radiator fan, right

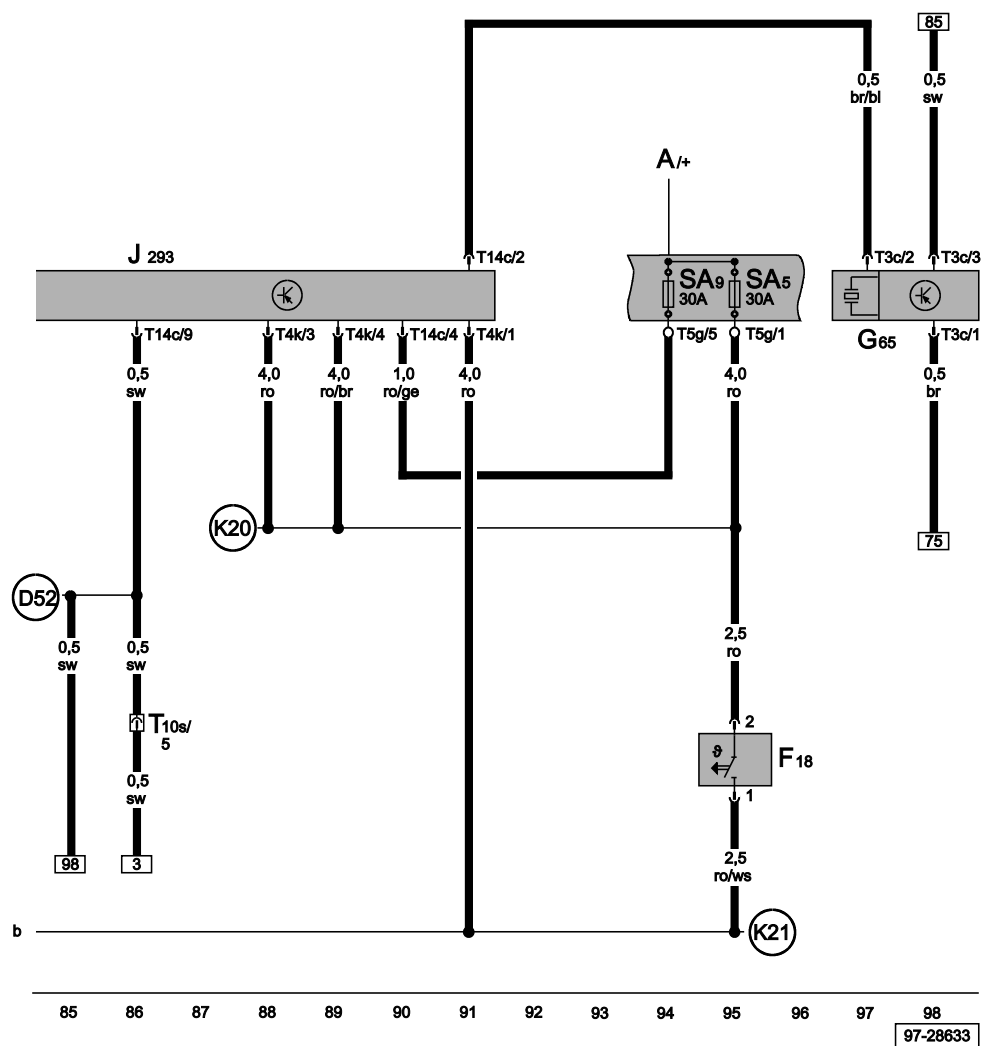
- 12 Earth point, in engine compartment, left
- 201 Earth connection -5-, in engine compartment wiring harness
- K21 Connection -1-, in radiator fan wiring harness



Radiator fan control unit, radiator fan thermo-switch, high pressure sender

- A Battery
- F18 Radiator fan thermo-switch
- G65 High pressure sender
- J293 Radiator fan control unit, in engine compartment, front left
- SA5 Fuse -5- (30), in battery fuse box
- SA9 Fuse -9- (30), in battery fuse box
- T3c 3-pin connector
- T4k 4-pin connector
- T5g 5-pin connector
- T10s 10-pin connector, green, connector point under relay carrier
- T14c 14-pin connector

- D52 Positive (+) connection (15a) , in engine compartment wiring harness
- K20 Positive (+) connection -1- (30), in radiator fan wiring harness
- K21 Connection -1-, in radiator fan wiring harness

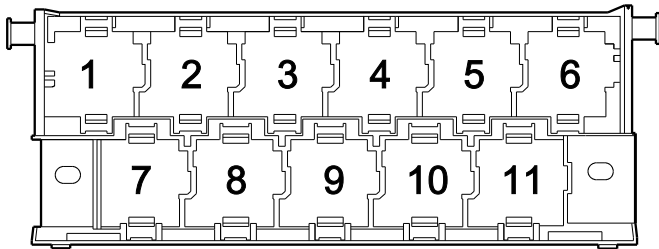


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1.4 ltr./55 kW - Turbo diesel engine with unit injectors, engine codes AMF

From May 2000

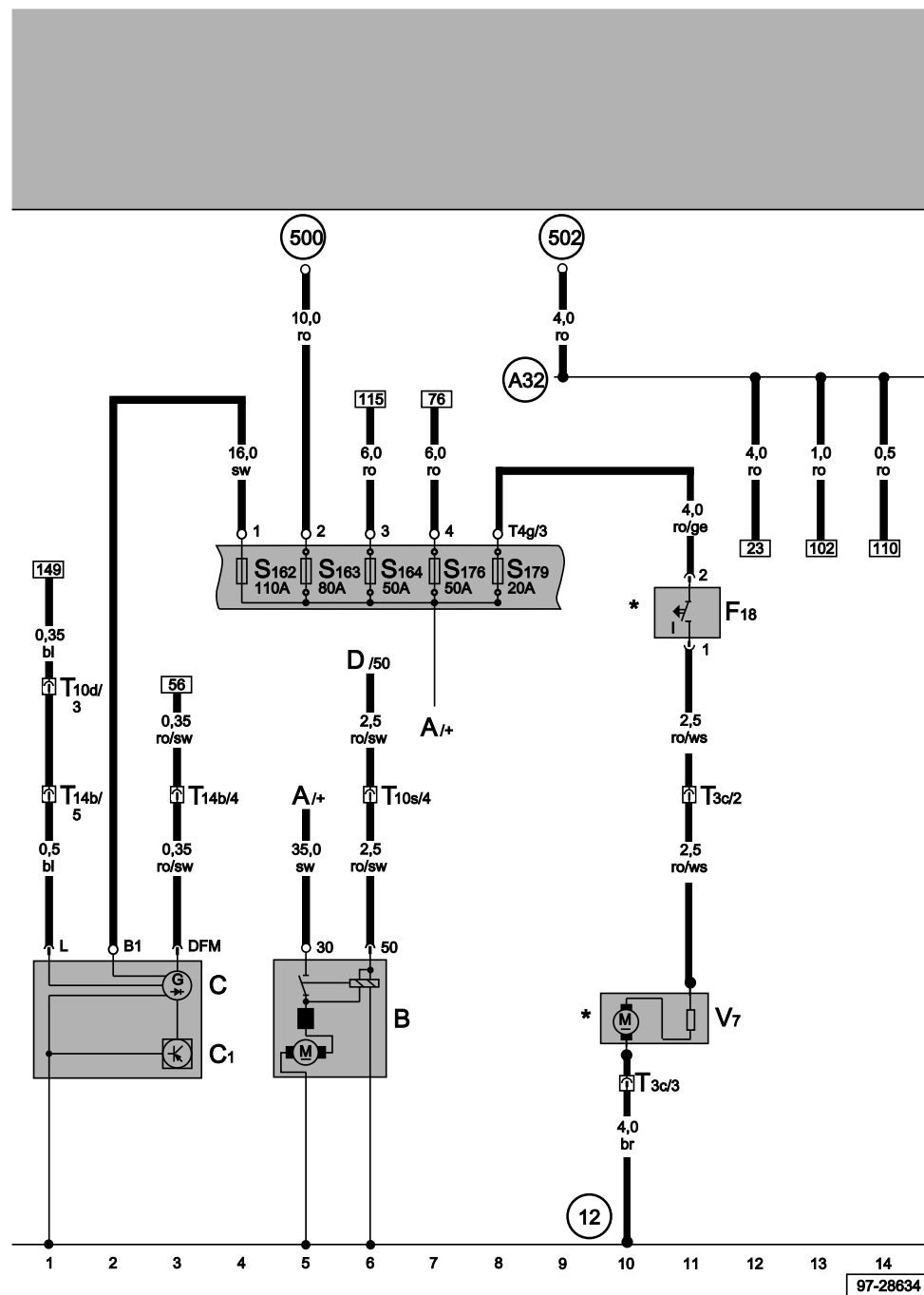
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Alternator, voltage regulator, starter

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- S162 Fuse -1- (30), in fuse box/battery
- S163 Fuse -2- (30), in fuse box/battery
- S164 Fuse -3- (30), in fuse box/battery
- S176 Fuse -4- (30), in battery fuse box
- S179 Fuse -7- (30), in battery fuse box
- T3c 3-pin connector, black, on radiator fan
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- V7 Radiator fan

- 12 Earth point, in engine compartment, left
- 500 Screw connection -1- (30), on relay plate
- 502 Screw connection -1- (30a), on relay plate
- A32 Positive (+) connection (30), in dash panel wiring harness

* Only models without air conditioner

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Diesel direct injection system control unit, voltage supply relay, kick-down switch, idling switch, accelerator pedal position sender, fuel pump relay

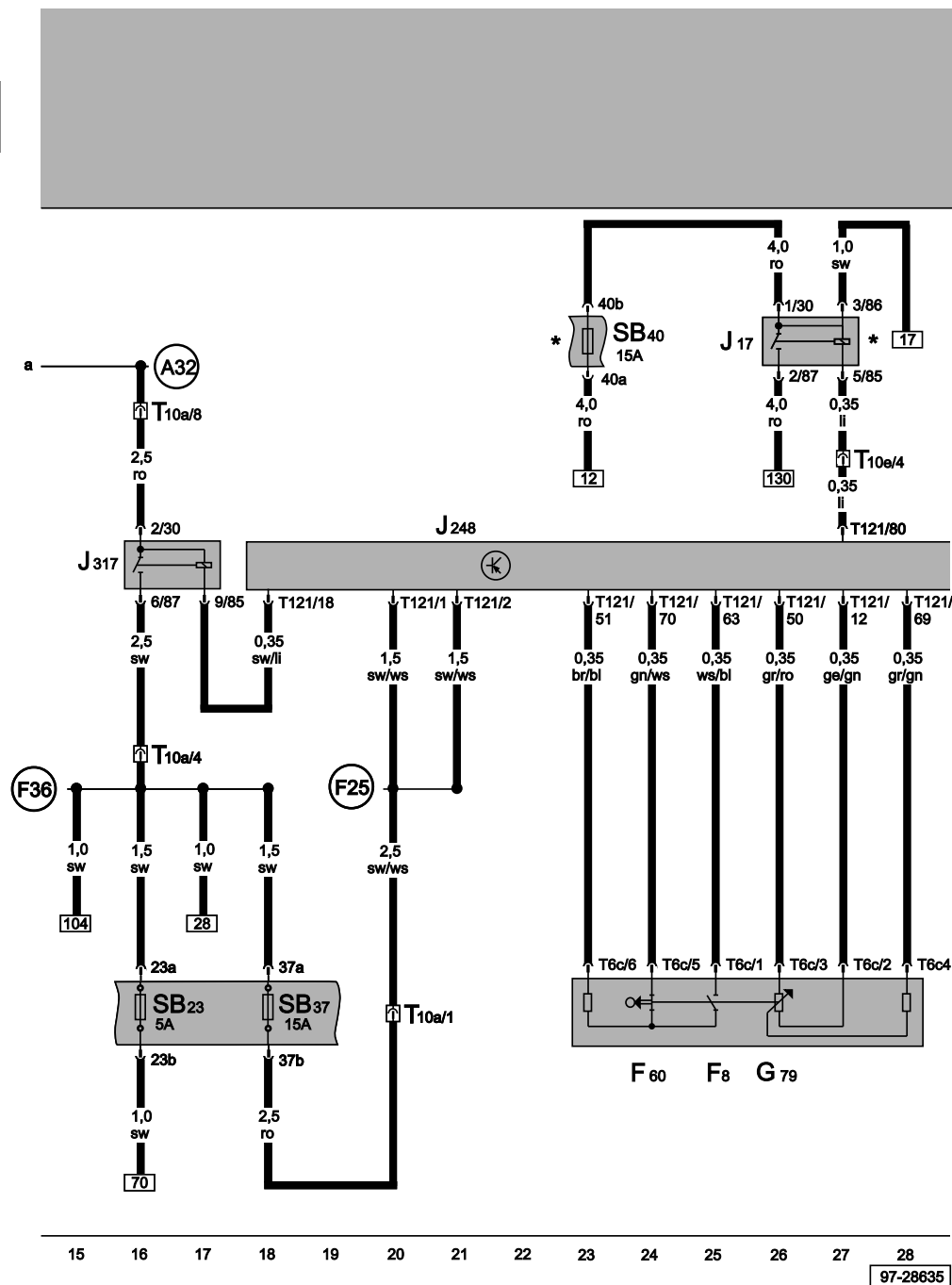
- F8 Kick-down switch
- F60 Idling switch
- G79 Accelerator pedal position sender
- J17 Fuel pump relay
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J317 Terminal 30 voltage supply relay, on relay carrier
- SB23 Fuse -23- in fuse box
- SB37 Fuse -37- in fuse box
- SB40 Fuse -37- in fuse box
- T6c 6-pin connector, on left under dash panel
- T10a 10-pin connector, green, connector point under relay carrier
- T10e 10-pin connector, pink, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit

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

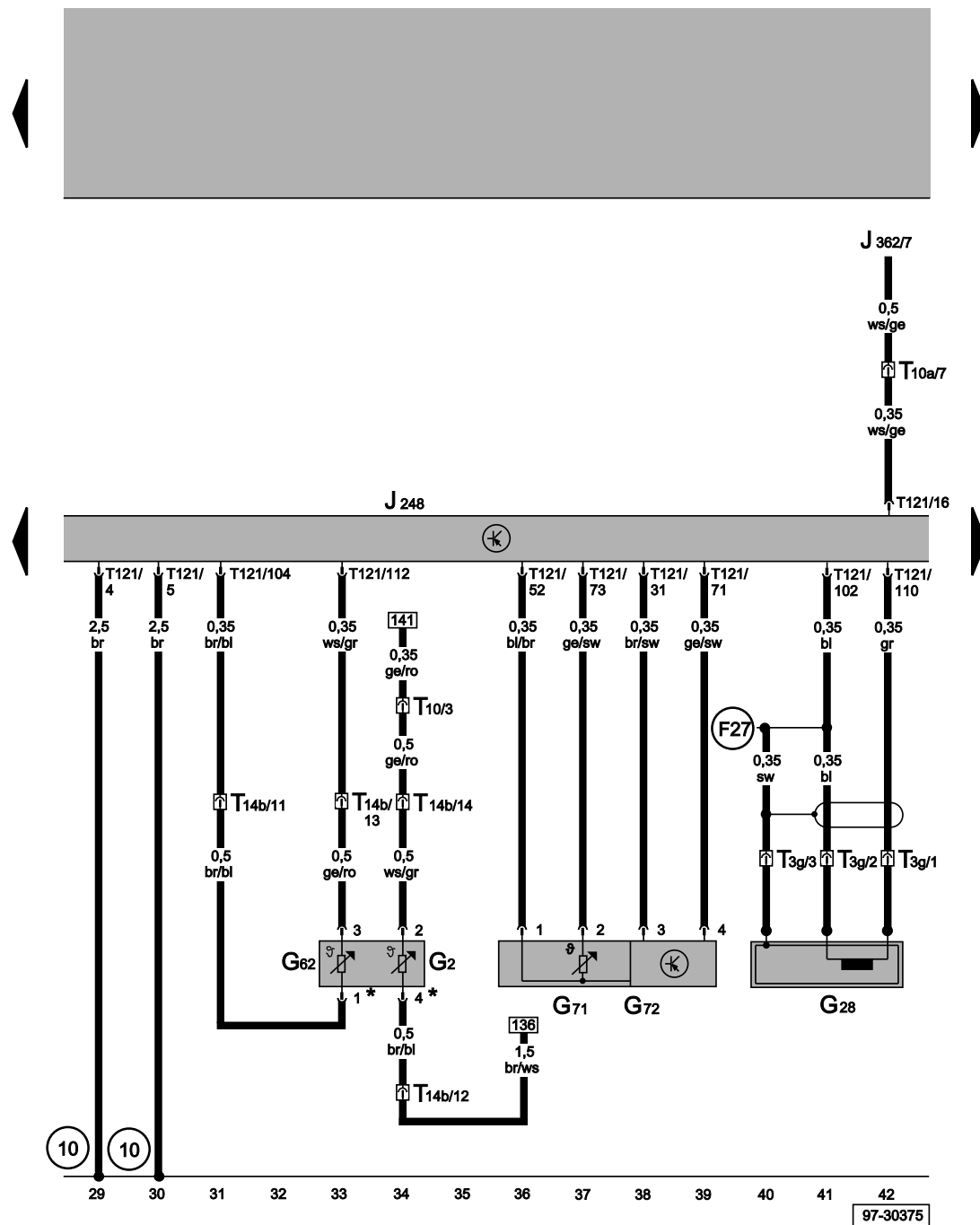
F36 Connection (87a), in diesel direct injection system wiring harness

F25 Connection (1), in diesel direct injection wiring harness

* Not with all levels of equipment



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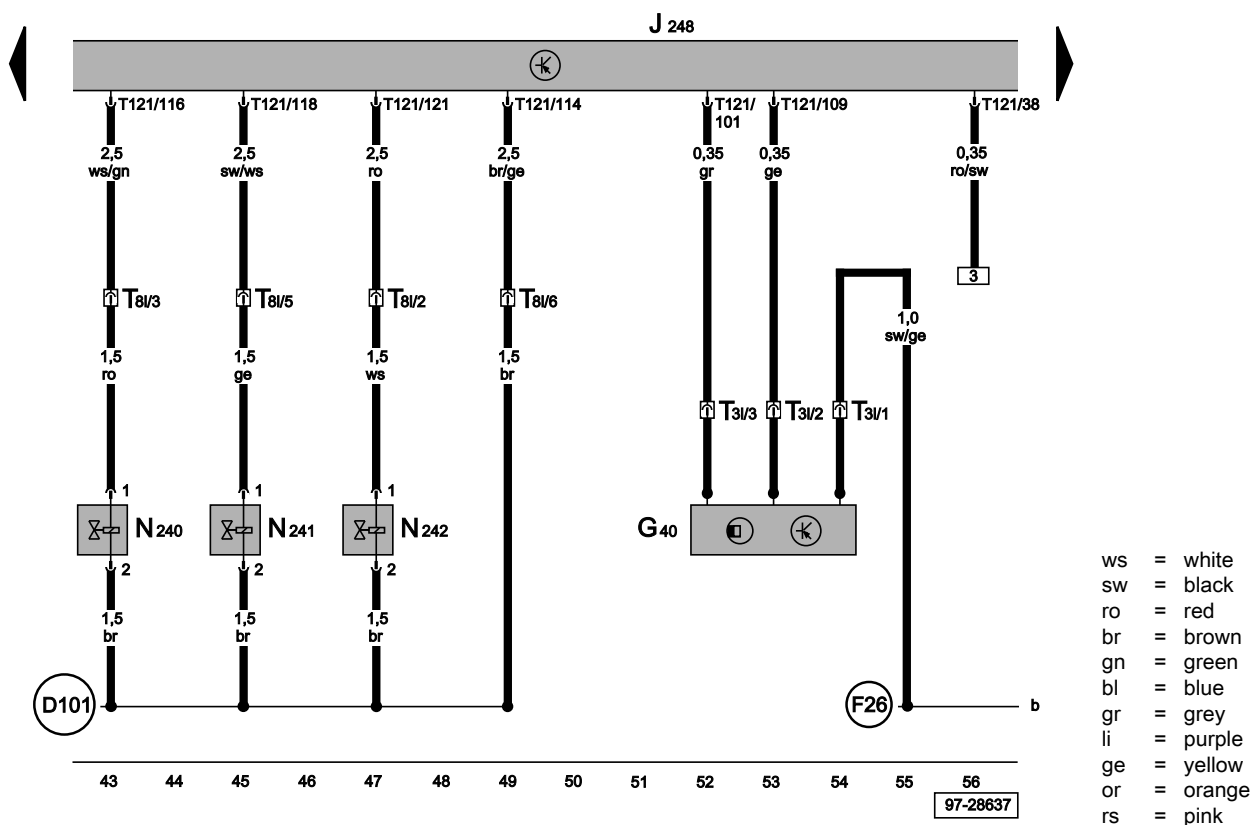


Diesel direct injection system control unit, coolant temperature sender, intake manifold pressure sender, intake manifold temperature sender, engine speed sender

- G2 Coolant temperature sender
- G28 Engine speed sender
- G62 Coolant temperature sender
- G71 Intake manifold pressure sender
- G72 Intake manifold temperature sender
- J248 Diesel direct injection system control unit, in plenum chamber, centre
- J362 Immobilizer control unit, behind dash panel, left
- T3g 3-pin connector, on engine front
- T10 10-pin connector, white, connector point under relay carrier
- T10a 10-pin connector, green, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- T121 121-pin connector, on diesel direct injection system control unit
- 10 Earth point, in plenum chamber
- F27 Connection (screening), in diesel direct injection system wiring harness
- * For additional heater connections 1 and 4 changed

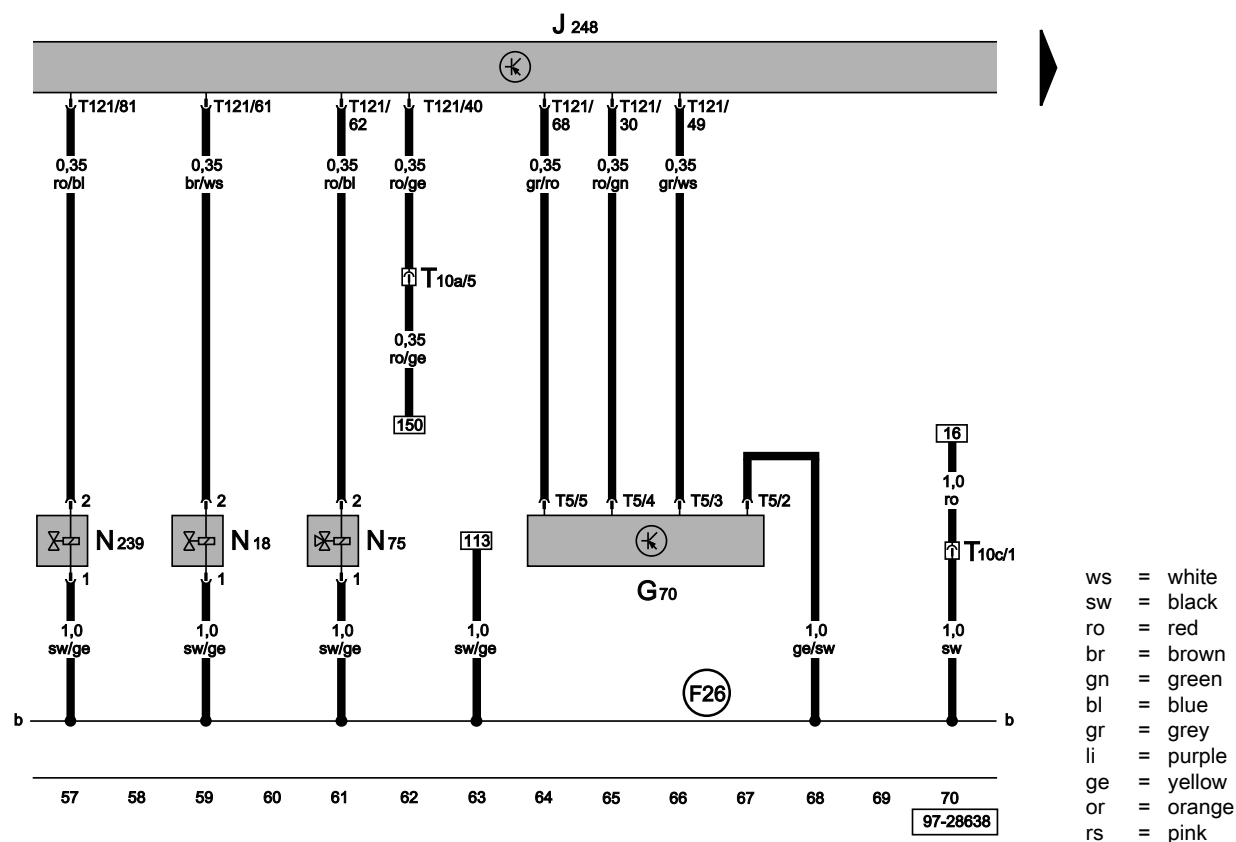
Diesel direct injection system control unit, unit injector solenoid valves, hall sender (for camshaft position)

- G40 Hall sender (for camshaft position)
- J248 Diesel direct injection system control unit, in engine compartment, left
- N240 Unit injector solenoid valve, No. 1 cyl.
- N241 Unit injector solenoid valve, No. 2 cyl.
- N242 Unit injector solenoid valve, No. 3 cyl.
- T31 3-pin connector, on engine front
- T81 8-pin connector, in engine compartment, left
- T121 121-pin connector, on diesel direct injection system control unit
- D101 Connection -1-, in engine compartment wiring harness
- F26 Connection -2-, in diesel direct injection system wiring harness



Diesel direct injection system control unit, air mass meter, intake manifold flap change-over valve, exhaust gas recirculation valve, charge pressure control solenoid valve

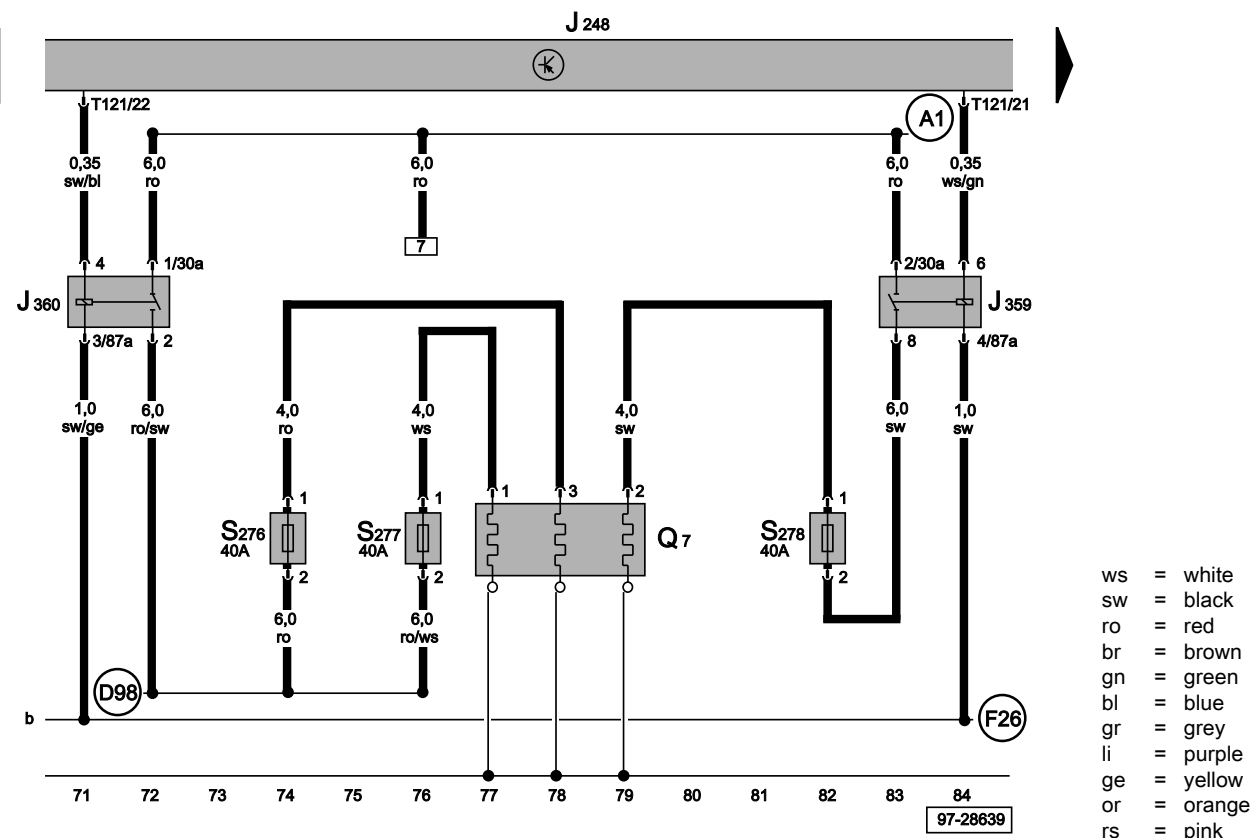
- G70 Air mass meter
- J248 Diesel direct injection system control unit, in engine compartment, left
- N18 Exhaust gas recirculation valve
- N75 Charge pressure control solenoid valve
- N239 Intake manifold flap change-over valve
- T5 5-pin connector
- T10a 10-pin connector, green, connector point under relay carrier
- T10c 10-pin connector, blue, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit
- F26 Connection -2-, in diesel direct injection system wiring harness

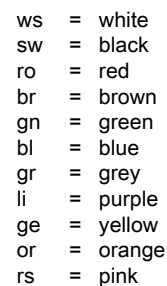


Diesel direct injection system control unit, coolant heater element, high and low heat output relay

- J248 Diesel direct injection system control unit, in engine compartment, left
- J359 Low heat output relay, on relay carrier
- J360 High heat output relay, on relay carrier
- S276 Heater element fuse -1-
- S277 Heater element fuse -2-
- S278 Heater element fuse -3-
- Q7 Coolant heating elements
- T121 121-pin connector, on diesel direct injection system control unit

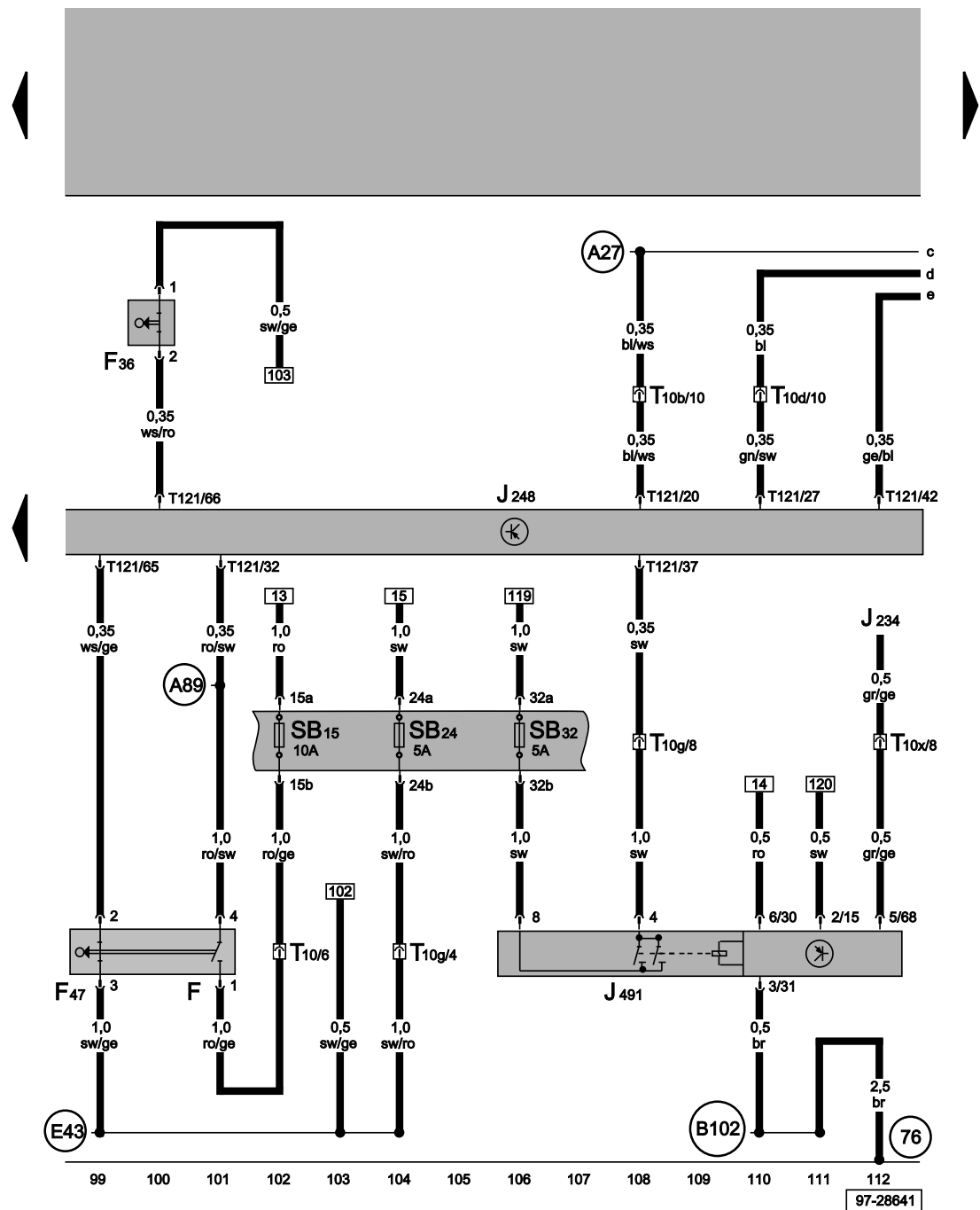
- A1 Positive (+) connection (30a), in dash panel wiring harness
- D98 Connection (glow plugs), in engine compartment wiring harness
- F26 Connection -2-, in diesel direct injection system wiring harness





G81	Fuel temperature sender
J104	ABS/ABS with EDL control unit
J248	Diesel direct injection system control unit, in plenum chamber, centre
J293	Radiator fan control unit
N79	Heater element (crankcase breather)
SB30	Fuse -30- in relay plate fuse box
T10	10-pin connector, white, connector point under relay carrier
T10g	10-pin connector, brown, connector point under relay carrier
T10s	10-pin connector, light green, connector point under relay carrier
T121	121-pin connector, on diesel direct injection system control unit

- | | |
|------|---|
| 12 | Earth point, in engine compartment, left |
| 119 | Earth connection -1-, in headlight wiring harness |
| D159 | Connection (high bus), in engine compartment wiring harness |
| D160 | Connection (low bus), in engine compartment wiring harness |
| L2 | Connection, in air conditioner wiring harness |
| * | Only models with manual control air conditioner |
| ** | Only models with Climatronic |



Diesel direct injection system control unit, fuel shut-off control unit (Crash), brake pedal switch for diesel direct inj. system, brake light switch, clutch pedal switch

- F Brake light switch
- F36 Clutch pedal switch
- F47 Brake pedal switch for diesel direct inj. system
- J234 Airbag control unit
- J248 Diesel direct injection system control unit, in engine compartment, left
- J491 Fuel shut-off control unit (Crash)
- SB15 Fuse -15- in fuse box
- SB24 Fuse -24- in fuse box
- SB32 Fuse -32- in fuse box
- T10 10-pin connector, white, connector point under relay carrier
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T10x 10-pin connector, yellow, connector point under relay carrier
- T121 121-pin connector, on diesel direct injection system control unit

- 76 Earth point, near selector mechanism
- A27 Connection (speed signal), in dash panel wiring harness
- A89 Connection -2- (54), in dash panel wiring harness
- B102 Earth connection, in front left interior wiring harness
- E43 Connection (87), in injection system wiring harness

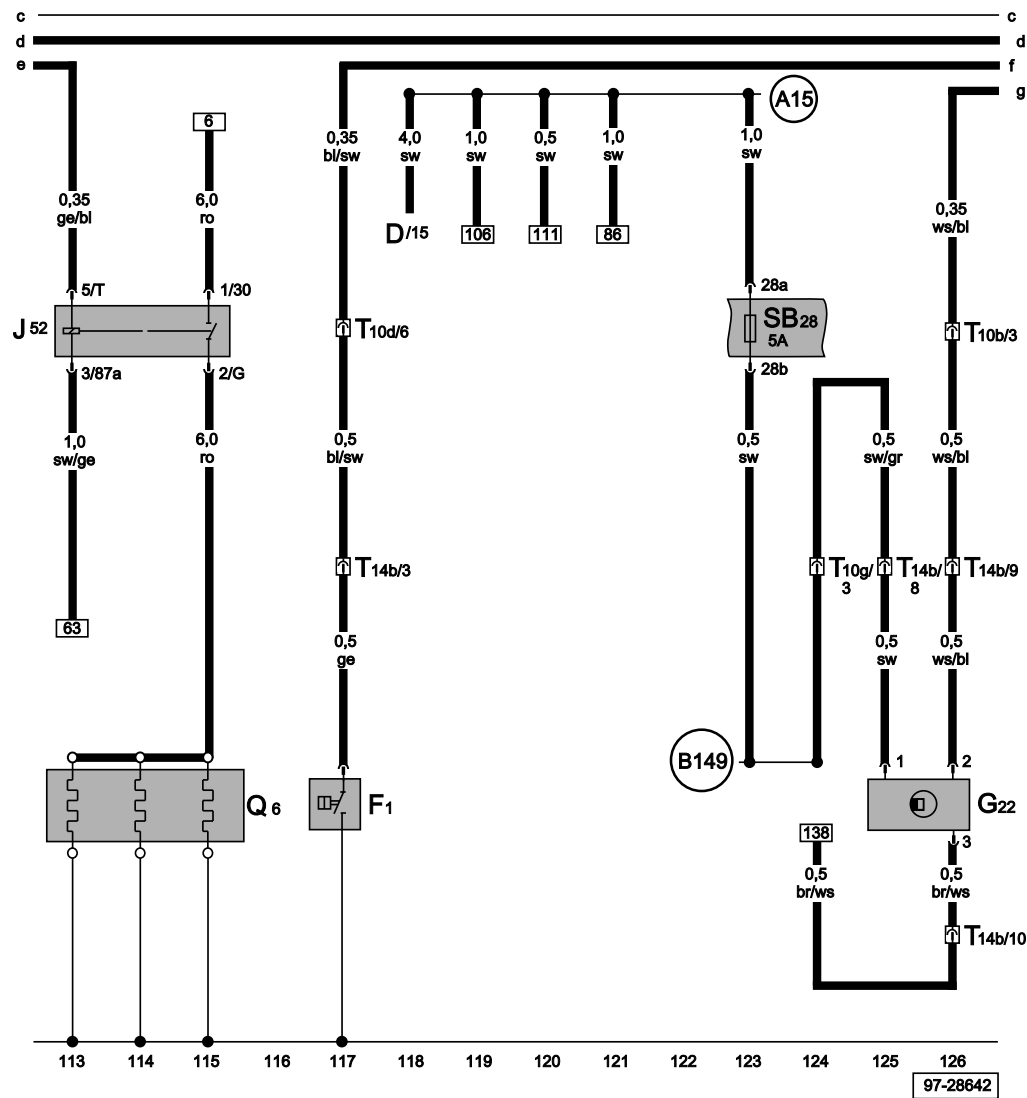
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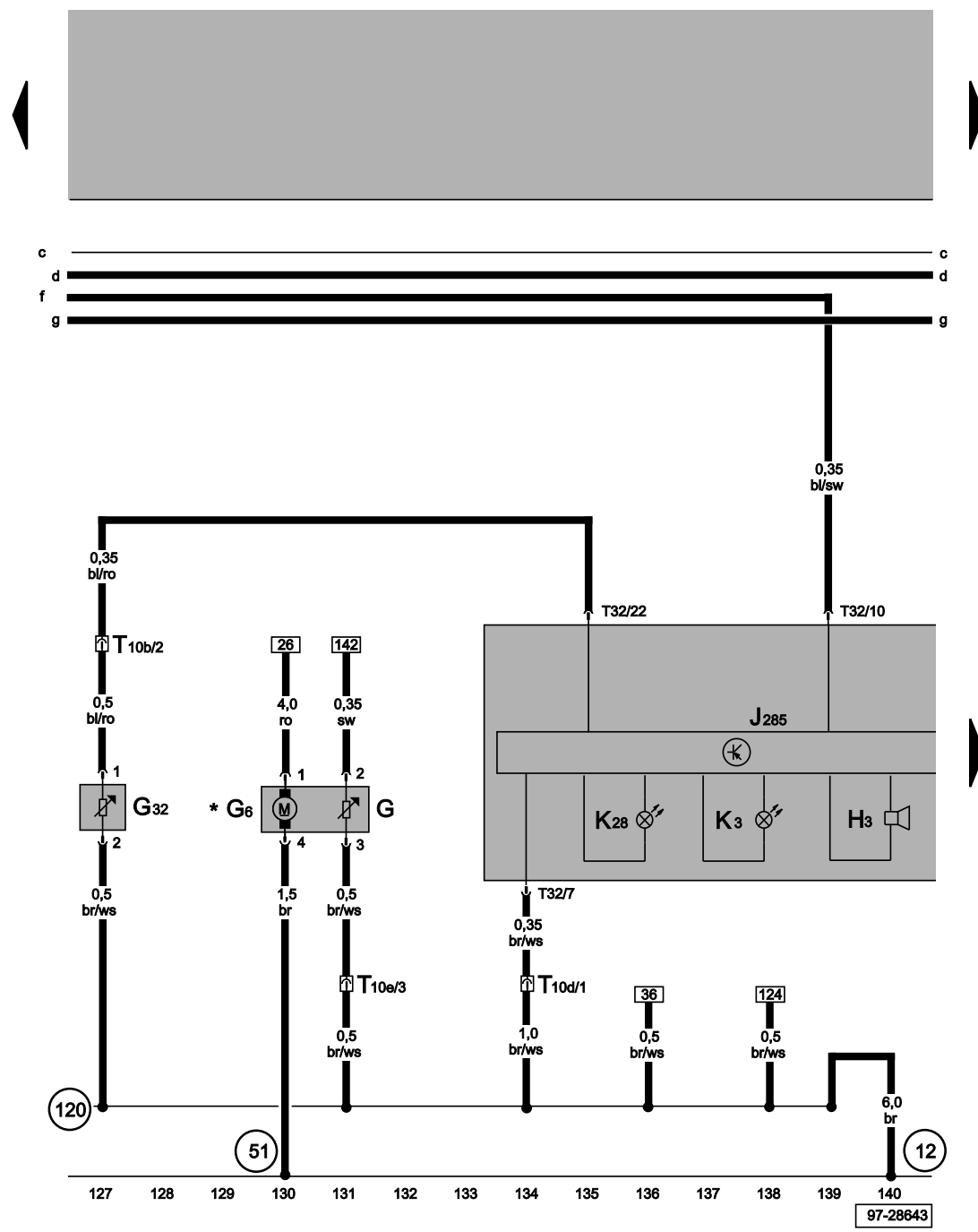
Glow plug relay, speedometer sender, oil pressure switch, glow plugs - engine

- D Ignition/starter switch
- F1 Oil pressure switch
- G22 Speedometer sender (Hall sender, on gearbox)
- J52 Glow plug relay, on relay carrier
- Q6 Glow plugs - (engine)
- SB28 Fuse -28- in fuse box
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left

A15 Positive (+) connection (15), in instruments wiring harness

B149 Positive (+) connection -2- (15a), in interior wiring harness





Dash panel insert, fuel gauge sender, coolant temperature/coolant shortage warning lamp, optical and acoustical oil pressure warning, fuel pump (pre-supply pump)

- G Fuel gauge sender
- G6 Fuel pump (pre-supply pump)
- G32 Coolant shortage indicator sender
- H3 Warning buzzer
- J285 Control unit with display in dash panel insert
- K3 Oil pressure warning lamp
- K28 Coolant temperature/coolant shortage warning lamp
- T10b 10-pin connector, black, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10e 10-pin connector, pink, connector point under relay carrier
- T32 32-pin connector, blue, on dash panel insert

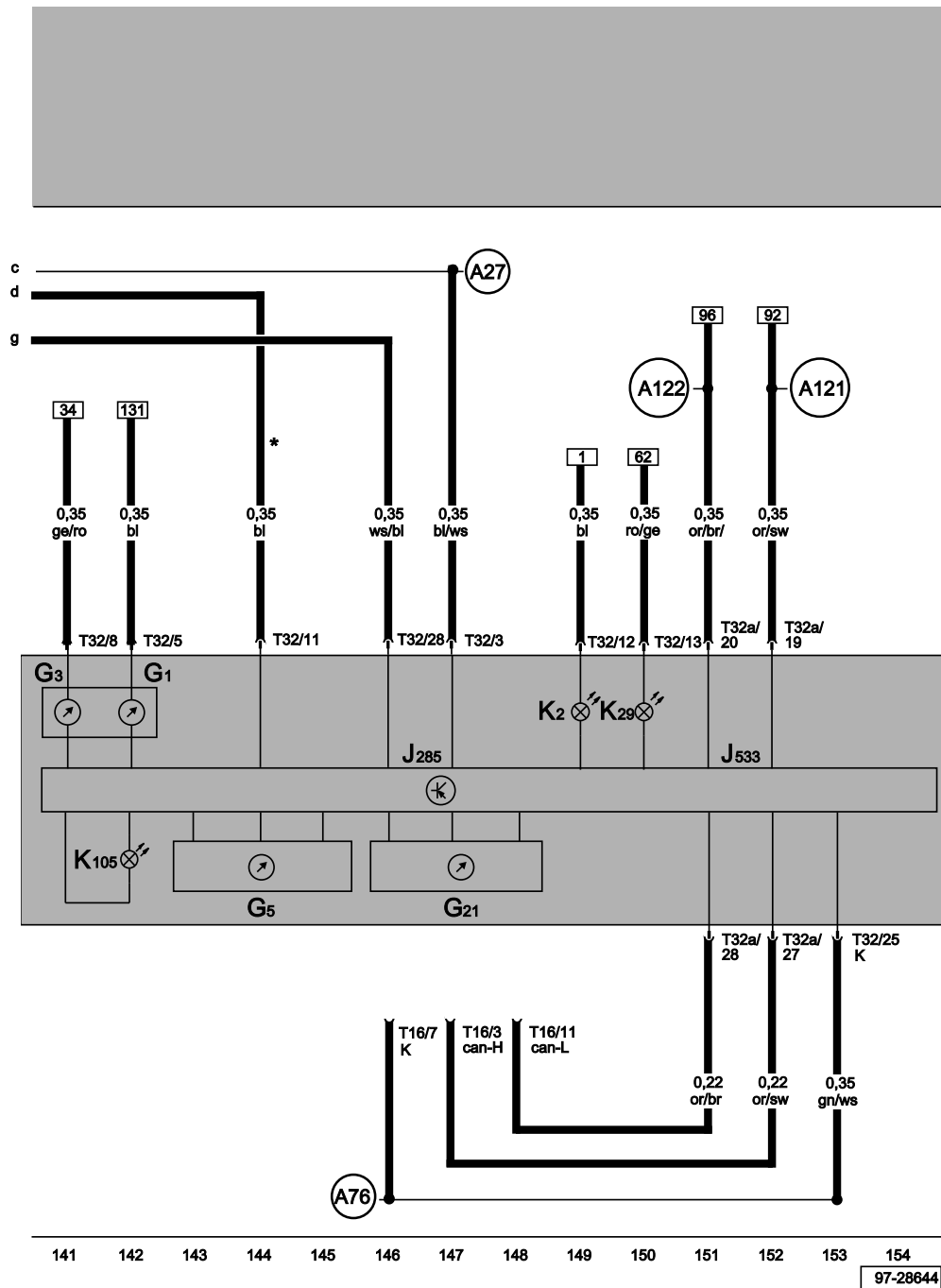
- 12 Earth point, in engine compartment, left
- 51 Earth point, in engine compartment, left
- 120 Earth connection -2-, in headlight wiring harness
- * Not with all levels of equipment

Dash panel insert, coolant temperature gauge, fuel gauge, rev. counter, speedometer, alternator warning lamp, self-diagnosis connection

- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G21 Speedometer
- J285 Control unit with display in dash panel insert
- J533 Data bus diagnostic interface, in dash panel insert
- K2 Alternator warning lamp
- K29 Glow period warning lamp
- K105 Reserve fuel warning lamp
- T16 16-pin connector, self-diagnosis connection
- T32 32-pin connector, blue, on dash panel insert
- T32a 32-pin connector, green, on dash panel insert

- A27 Connection (speed signal), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A121 Connection (high bus), in dash panel wiring harness
- A122 Connection (low bus), in dash panel wiring harness
- * Engine speed signal from engine control unit

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

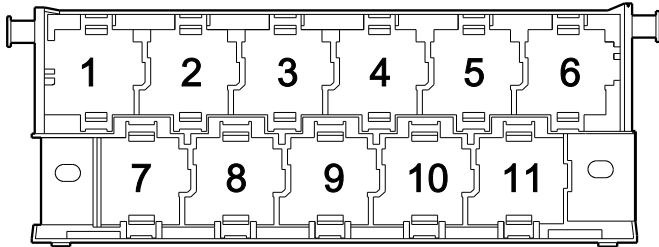


Air conditioner (manual)

⇒ 1.4 ltr./55 kW - Turbo diesel engine with unit injectors, engine codes AMF

From May 2000

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

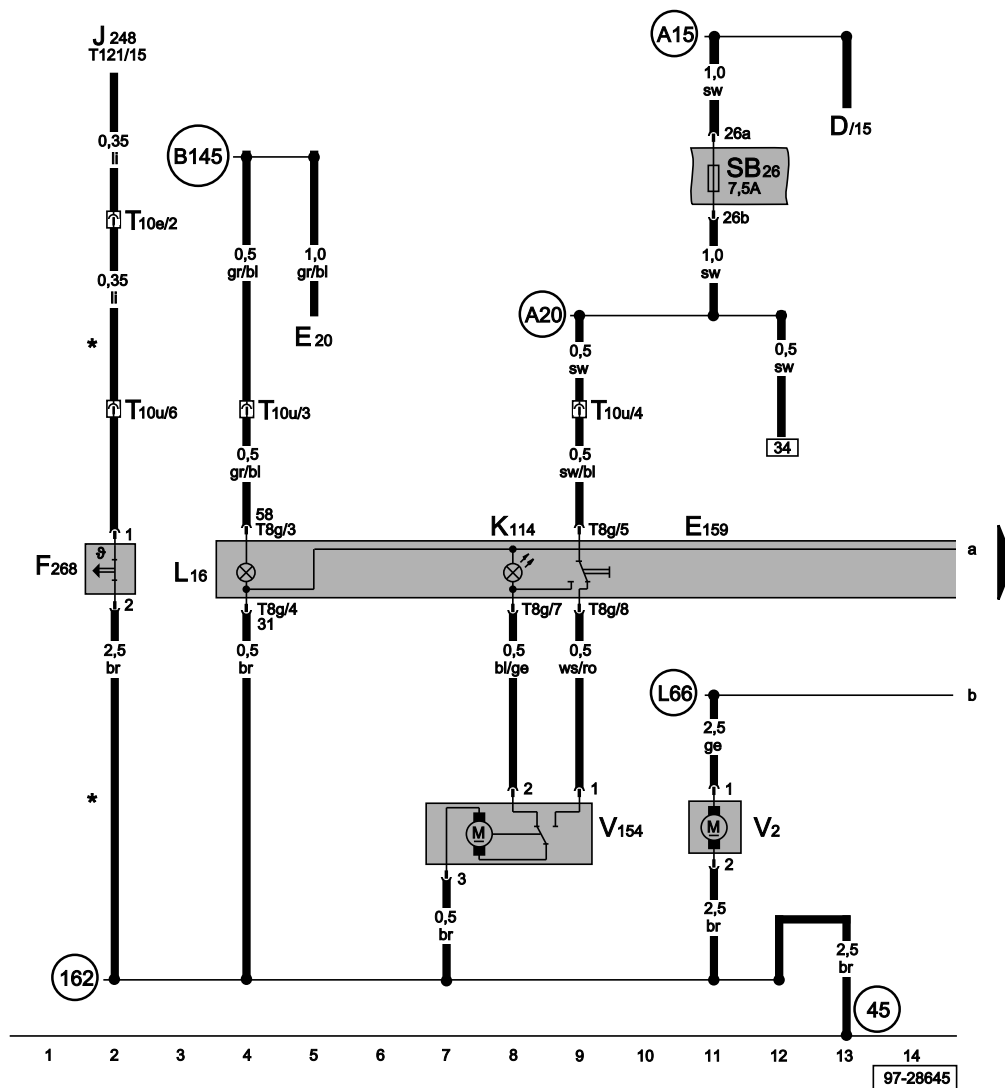
Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac

Fresh air/air recirculating flap switch, fresh air blower, fresh/recirculating air flap control motor, additional heater, heater element contact switch

- D Ignition/starter switch
- E20 Switches and instruments - lighting control
- E159 Fresh air/air recirculating flap switch
- F268 Additional heater, heater element contact switch
- J248 Diesel direct injection system control unit
- K114 Fresh air/air recirculation warning lamp
- L16 Fresh air controls light bulb
- SB26 Fuse -26- in relay plate fuse box
- T8g 8-pin connector, behind dash panel, centre
- T10e 10-pin connector, pink, connector point under relay carrier
- T10u 10-pin connector, behind dash panel, centre
- T121 121-pin connector
- V2 Fresh air blower
- V154 Fresh/recirculating air flap control motor

- 45 Earth point, behind dash panel - centre
- 162 Earth connection, in blower motor wiring harness
- A15 Positive (+) connection (15), in instruments wiring harness
- A20 Connection (15a), in dash panel wiring harness
- B145 Positive (+) connection (58b), in interior wiring harness
- L66 Connection, in heater blower wiring harness
- * Only models with electric additional heater

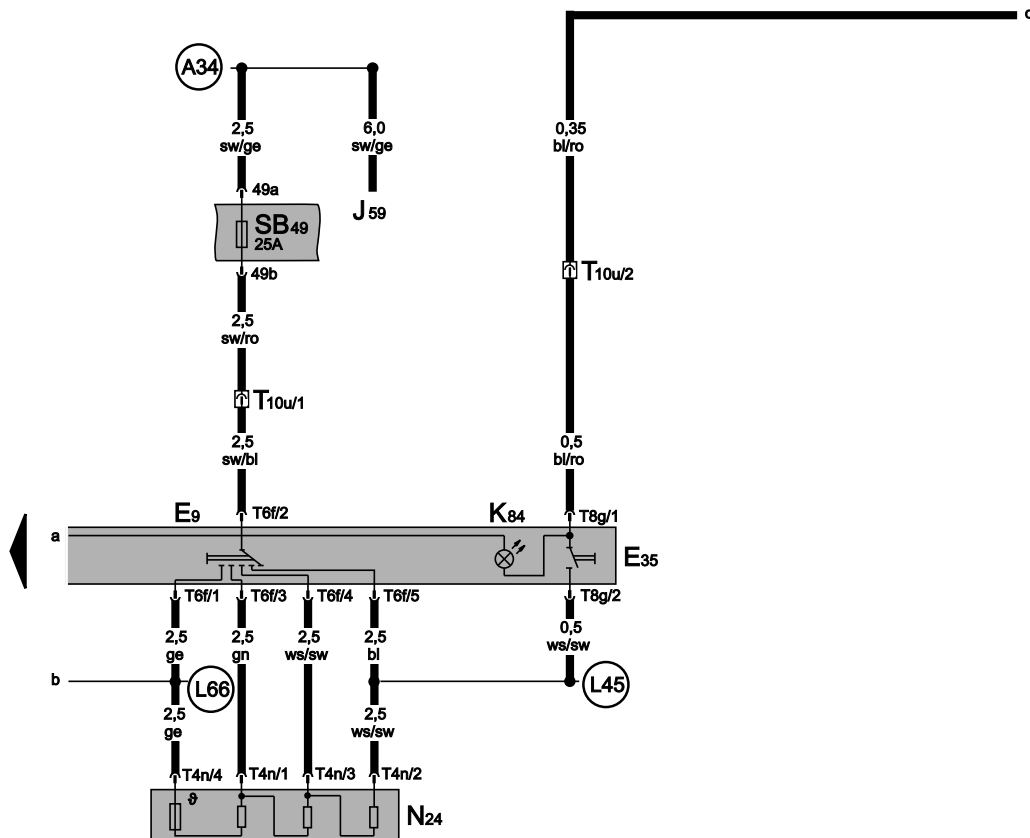


ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

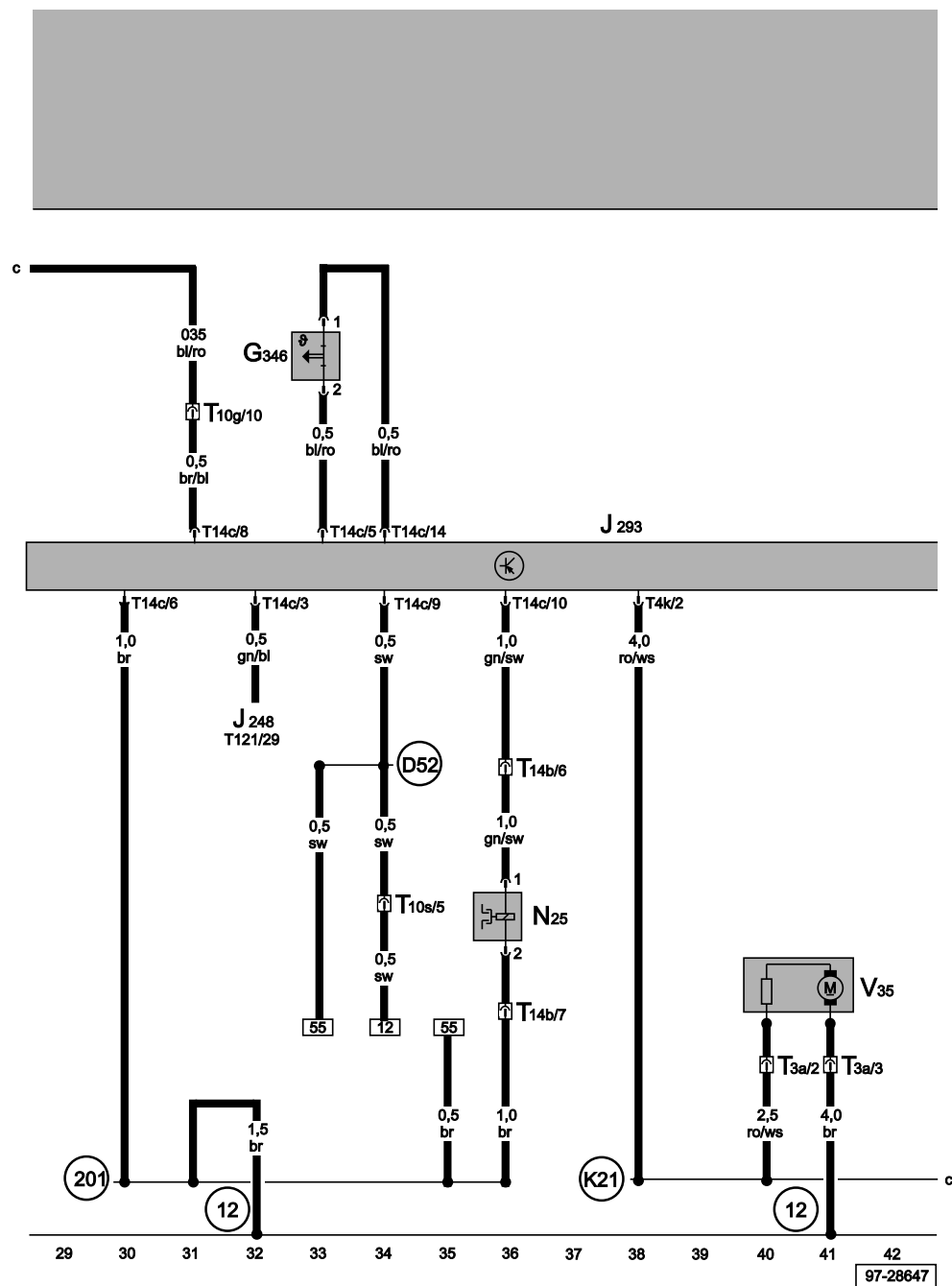
Fresh air blower switch, air conditioner switch

- E9 Fresh air blower switch
- E35 Air conditioner switch
- J59 X contact relief relay
- K84 Air conditioning system warning lamp
- N24 Fresh air blower with overheating fuse series resistor
- SB49 Fuse -49- in relay plate fuse box
- T4n 4-pin connector, black, on fresh air blower series resistor
- T6f 6-pin connector, behind dash panel
- T8g 8-pin connector, behind dash panel
- T10u 10-pin connector, behind dash panel

- A34 Connection (75x), in dash panel wiring harness
- L45 Connection, in air conditioner controls wiring harness
- L66 Connection, in heater blower wiring harness



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



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

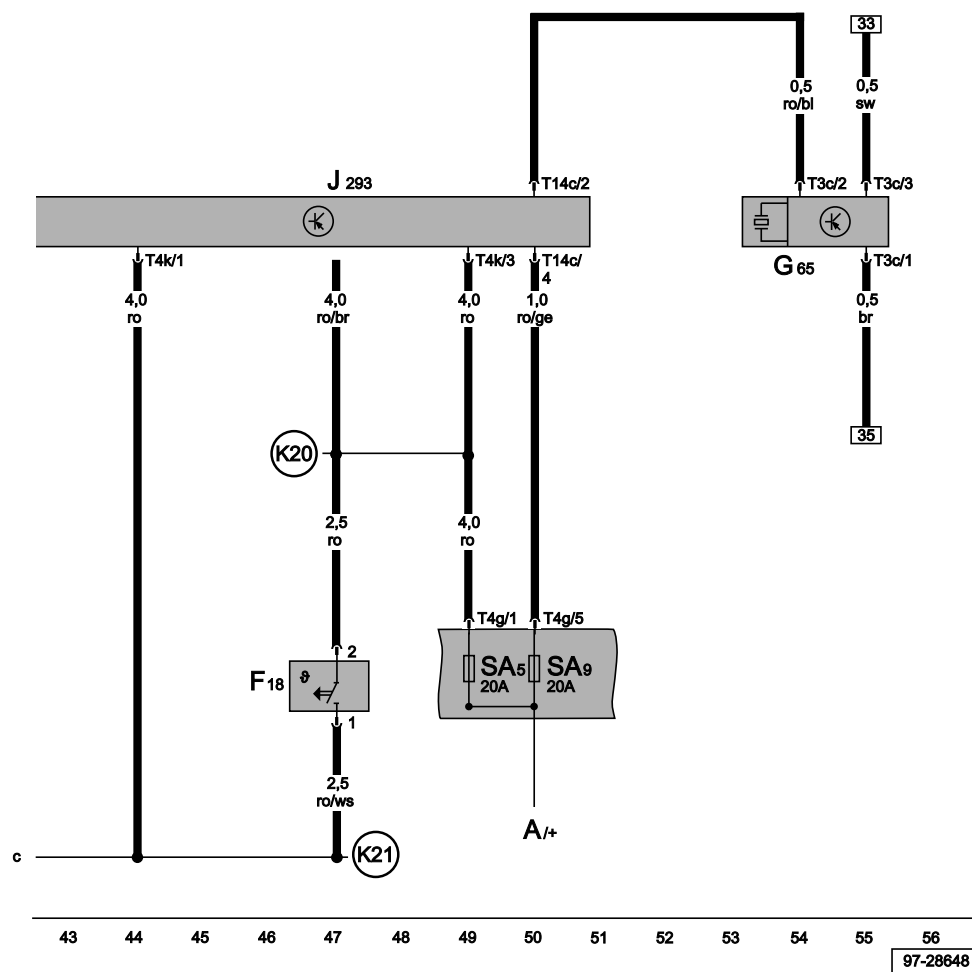
Radiator fan control unit, radiator fan, air conditioning system magnetic coupling, ambient temperature switch

- G346 Temperature sender for compressor switch off
- J248 Diesel direct injection system control unit
- J293 Radiator fan control unit, in engine compartment, front left
- N25 Air conditioning system magnetic coupling
- T3a 3-pin connector, black, in engine compartment, front left
- T4k 4-pin connector, black
- T10g 10-pin connector, brown, connector point under relay carrier
- T10s 10-pin connector, green, connector point under relay carrier
- T14b 14-pin connector, in engine compartment, left
- T14c 14-pin connector, black
- T121 121-pin connector, on diesel direct injection system control unit
- V35 Radiator fan

- 12 Earth point, in engine compartment, left
- 201 Earth connection -5-, in engine compartment wiring harness
- D52 Positive (+) connection (15a) , in engine compartment wiring harness
- K21 Connection -1-, in radiator fan wiring harness

Radiator fan control unit, radiator fan thermo-switch, high pressure sender

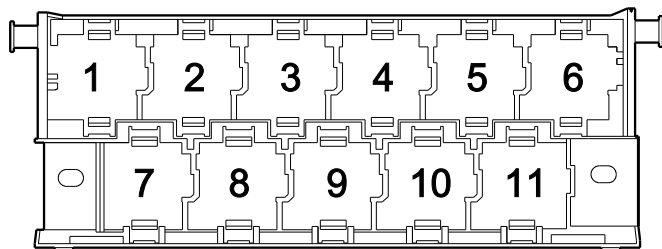
- A Battery
- F18 Radiator fan thermo-switch
- G65 High pressure sender
- J293 Radiator fan control unit, in engine compartment, front left
- SA5 Fuse -5- (30), in battery fuse box
- SA9 Fuse -9- (30), in battery fuse box
- T3c 3-pin connector, black, on high pressure sender
- T4g 4-pin connector, black, on battery fuse box
- T4k 4-pin connector, black
- T14c 14-pin connector, black
- K20 Positive (+) connection -1- (30), in radiator fan wiring harness
- K21 Connection -1-, in radiator fan wiring harness



Preperation for telephone

From May 2000

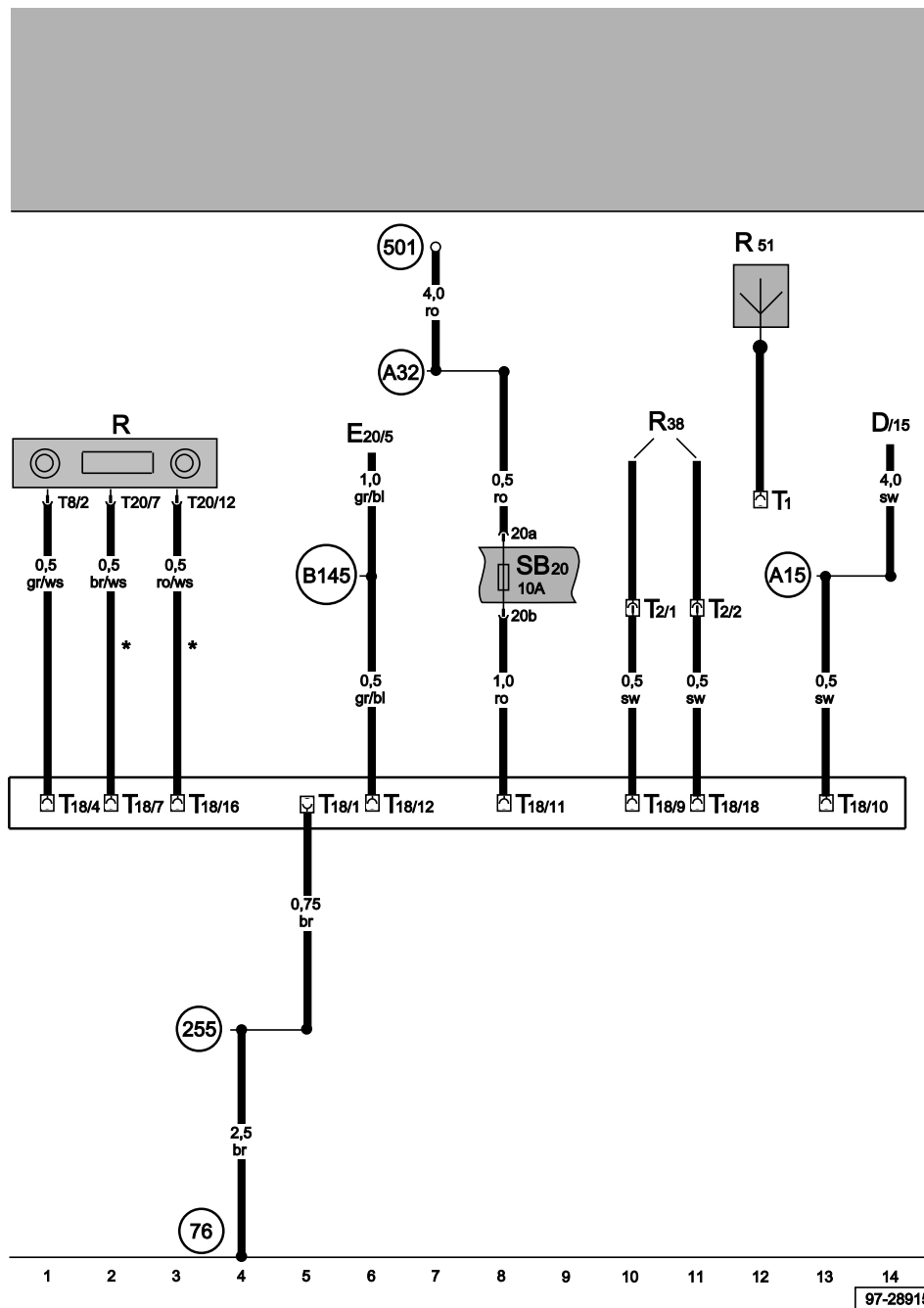
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - lilac



Radio, preparation for telephone

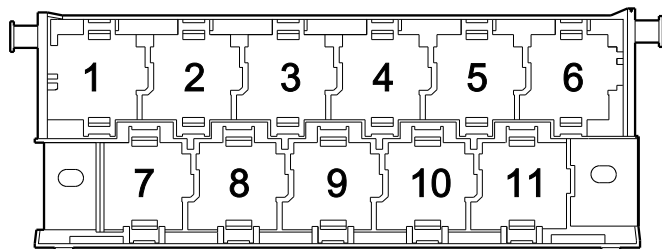
- D Ignition/starter switch
- E20 Switches and instruments, lighting control
- R Radio
- R38 Telephone microphone, near interior light (not mounted by the manufacturer)
- R51 Antenna per radio/telefono
- SB20 Fuse -20- in relay plate fuse box
- T1 1-pin connector, VDA -HF connector, under front passenger's seat
- T2 2-pin connector, for microphone for telephone, in A-pillar
- T8 8-pin connector, on radio
- T18 18-pin connector, VDA connector, under front passenger's seat
- T20 20-pin connector, blue, on radio

- 76 Earth point, near selector mechanism
- 255 Earth connection -1-, in radio wiring harness
- 501 Screw connection -2- (30), on relay plate
- A15 Positive (+) connection (15), in instruments wiring harness
- A32 Positive (+) connection (30), in dash panel wiring harness
- B145 Positive (+) connection (58b), in interior wiring harness
- * Only models with navigation

Seat heating for leather seats

From October 1999

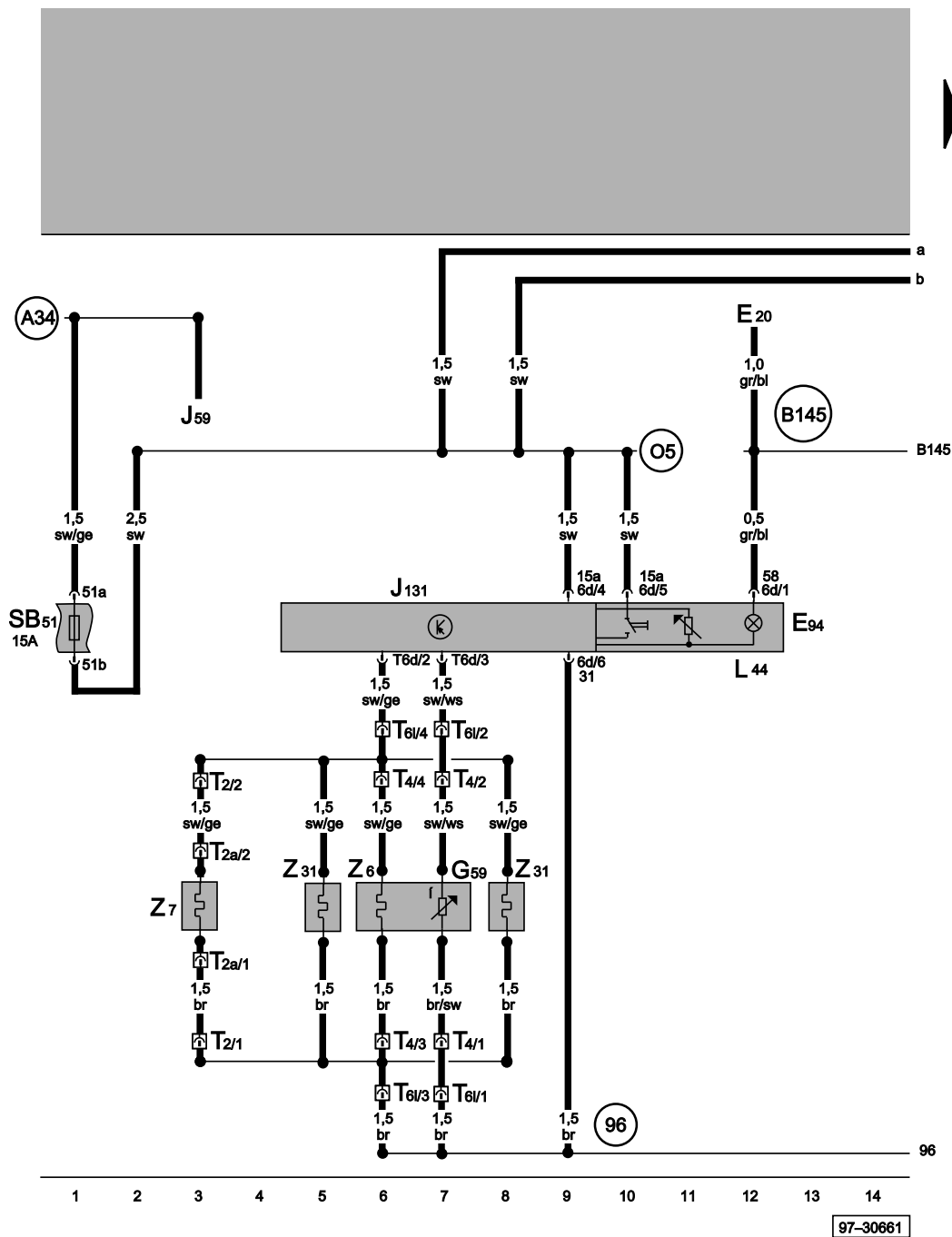
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

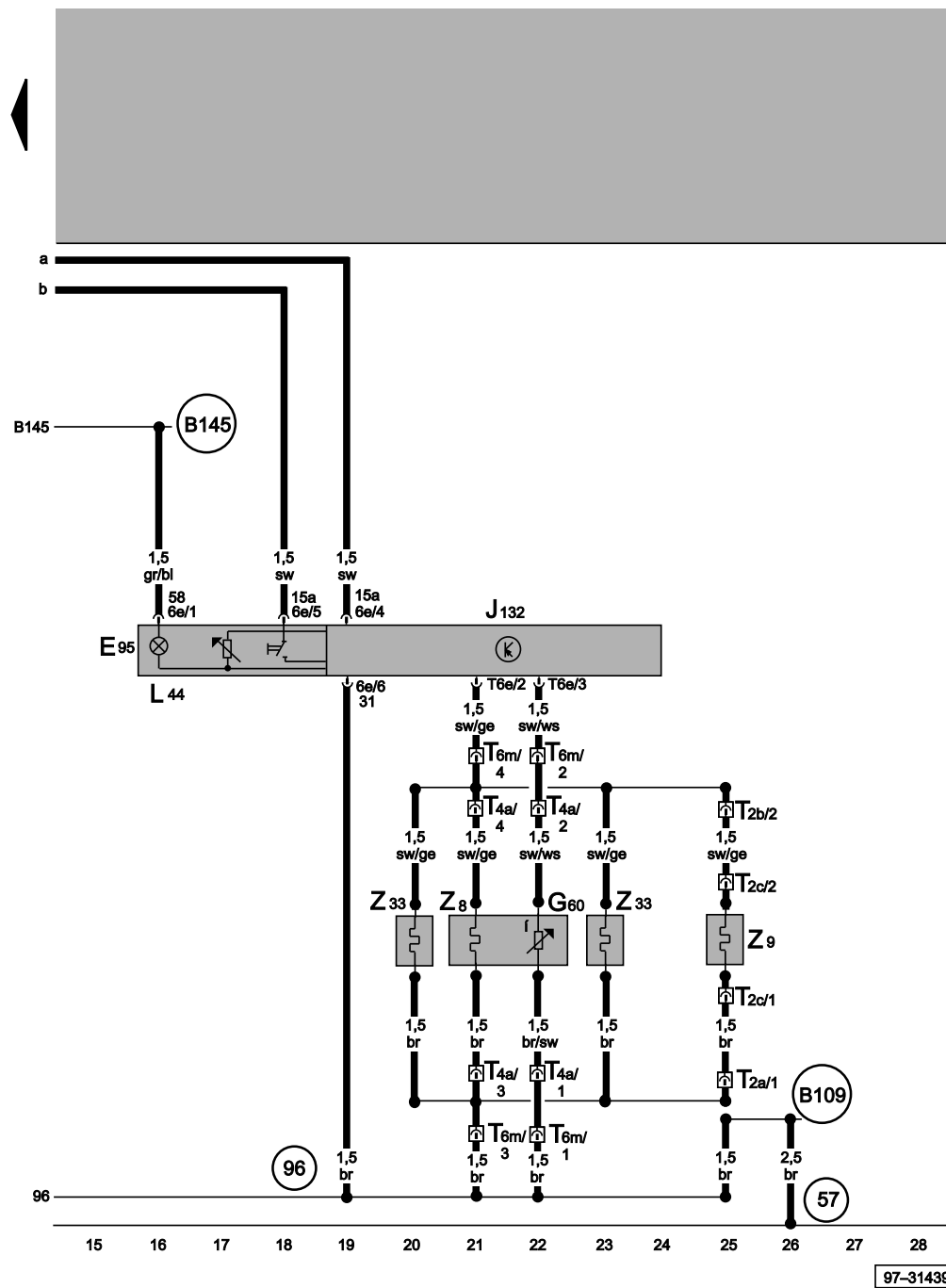
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple



Heated driver's seat control unit, heated driver's seat adjuster, heated driver's seat, heated driver's seat backrest

- E20 Switches and instruments, lighting control
- E94 Heated driver's seat adjuster
- G59 Driver's seat temperature sensor
- J59 X contact relief relay
- J131 Heated driver's seat control unit
- L44 Seat heating switch light bulb
- SB51 Fuse -51- in fuse box/relay plate
- T2a 2-pin connector
- T2 2-pin connector, under driver's seat
- T6d 6-pin connector, black
- T6l 6-pin connector, black, under driver's seat
- Z6 Heated driver's seat
- Z7 Heated driver's seat backrest
- Z31 Seat lateral support heater, driver's seat

- 96 Earth connection -1-, in seat heating wiring harness
- B145 Positive (+) connection (58b), in interior wiring harness
- A34 Connection (75x), in dash panel wiring harness
- O5 Positive (+) connection -1- (15a), in seat heating wiring harness



Heated passenger's seat control unit, heated front passenger's seat adjuster, heated front passenger's seat, heated front passenger's seat backrest

- E95 Heated front passenger's seat adjuster
- G60 Front passenger's seat temperature sensor
- J132 Heated front passenger's seat control unit
- L44 Seat heating switch light bulb
- T2b 2-pin connector, under front passenger's seat
- T2c 2-pin connector, under front passenger's seat
- T4a 4-pin connector, under front passenger seat
- T6e 6-pin connector, black
- T6m 6-pin connector, black, under front passenger's seat
- Z8 Heated front passenger's seat
- Z9 Heated front passenger's seat backrest
- Z33 Seat lateral support heater, front passenger's seat

- 57 Earth point, left rear pillar
- 96 Earth connection -1-, in seat heating wiring harness
- B109 Earth connection, in interior wiring harness, rear left
- B145 Positive (+) connection (58b), in dash panel wiring harness

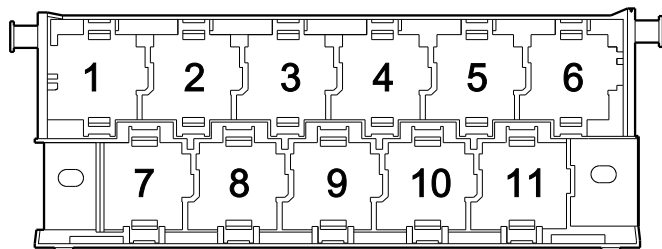
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Automatic gearbox

⇒ 1.4 l/55 kW - 4CV, engine codes AHW

From June 1999

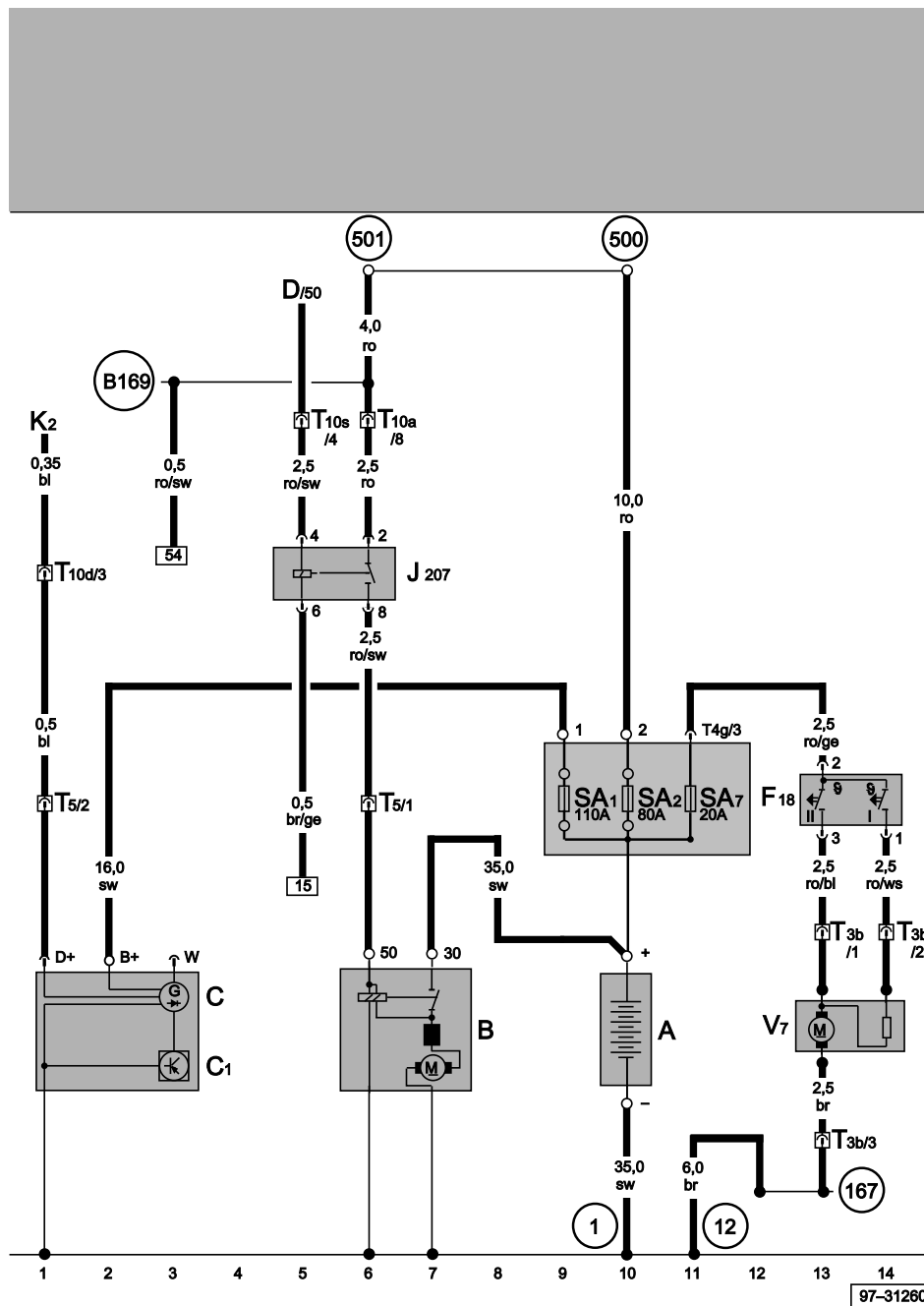
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

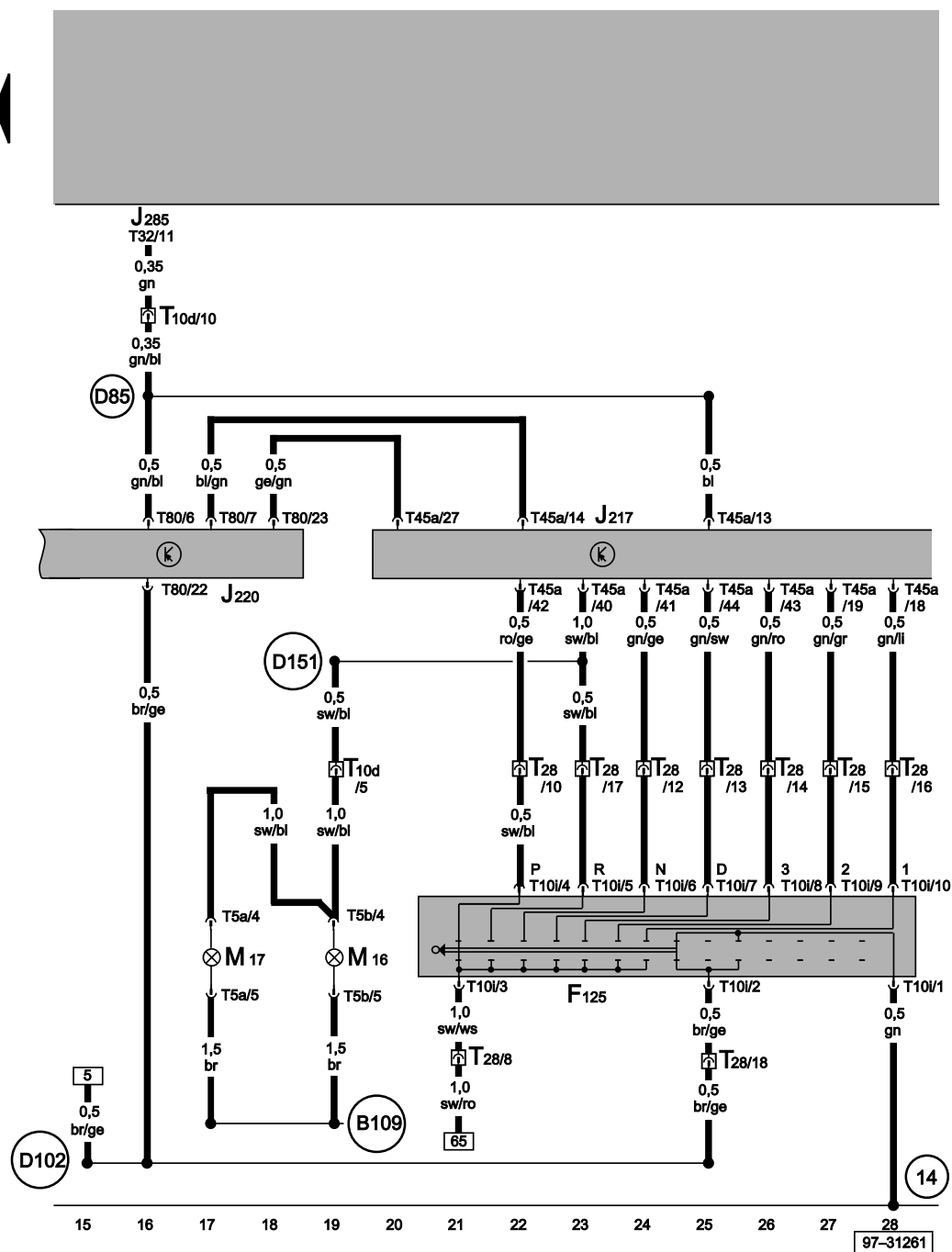


Battery, starter, alternator, radiator fan, radiator fan thermo-switch, starter inhibitor relay

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- J207 Starter inhibitor relay
- K2 Alternator warning lamp
- SA1 Fuse -1- (30), in fuse box/battery
- SA2 Fuse -2- (30), in fuse box/battery
- SA2 Fuse -7- (30), in fuse box/battery
- T3b 3-pin connector, black
- T4g 4-pin connector
- T5 5-pin connector
- T10a 10-pin connector, green, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- T10s 10-pin connector, light green, connector point under relay carrier
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 167 Earth point -4-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- 501 Screw connection -2- (30), on relay plate
- B169 Positive (+) connection -1- (30), in interior wiring harness

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



Motronic control unit, automatic gearbox control unit, multi-function switch

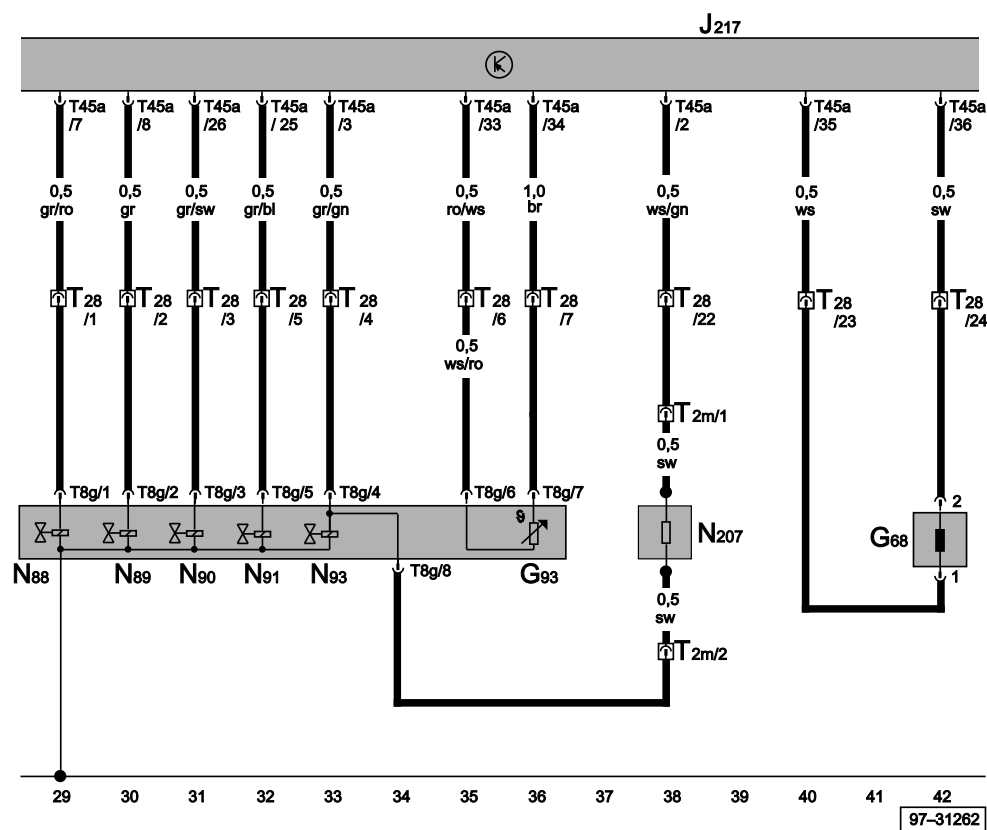
- F125 Multi-function switch
- J217 Automatic gearbox control unit
- J220 Motronic control unit
- J285 Control unit with display in dash panel insert
- M16 Reversing light bulb, left
- M17 Reversing light bulb, right
- T10d 10-pin connector, red, connector point under relay carrier
- T10i 10-pin connector, black, on multi-function switch
- T28 28-pin connector, black, on gearbox
- T32 32-pin connector, black
- T45a 45-pin connector, black
- T80 80-pin connector, black

- 14 Earth point, on gearbox
- B109 Earth connection, in interior wiring harness, rear left
- D85 Connection (automatic gearbox warning lamp), in engine compartment wiring harness
- D102 Connection -2-, in engine compartment wiring harness
- D151 Connection (RF), in engine compartment wiring harness

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

Automatic gearbox control unit, solenoid valves, solenoid valve series resistance, vehicle speed sender

- G68 Vehicle speed sender
- G93 Gearbox oil temperature sender
- J217 Automatic gearbox control unit
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N93 Solenoid valve 6
- N207 Solenoid valve series resistance (automatic gearbox)
- T2m 2-pin connector, black
- T8g 8-pin connector, black, on gearbox
- T28 28-pin connector, black, on gearbox
- T45a 45-pin connector, black

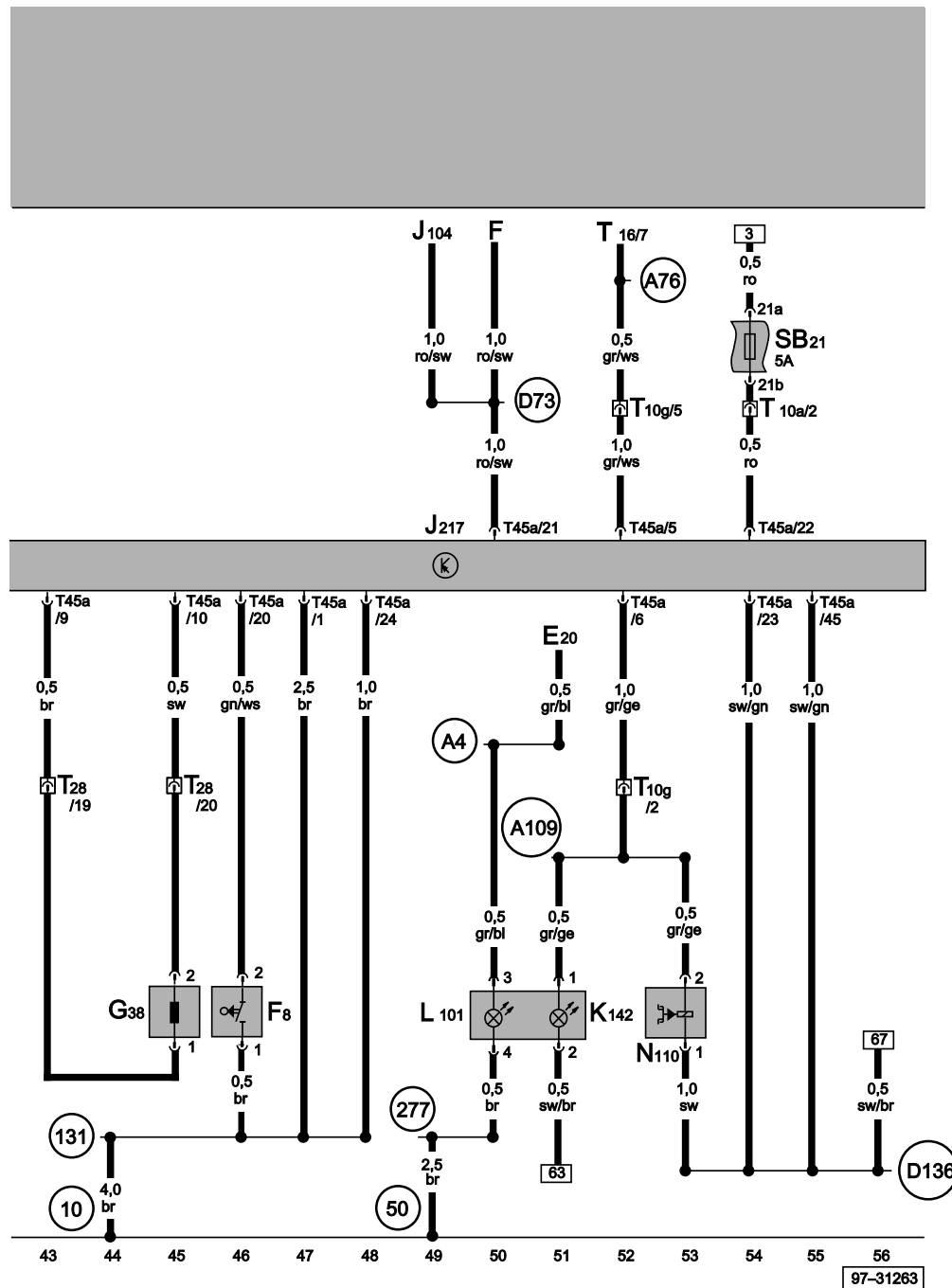


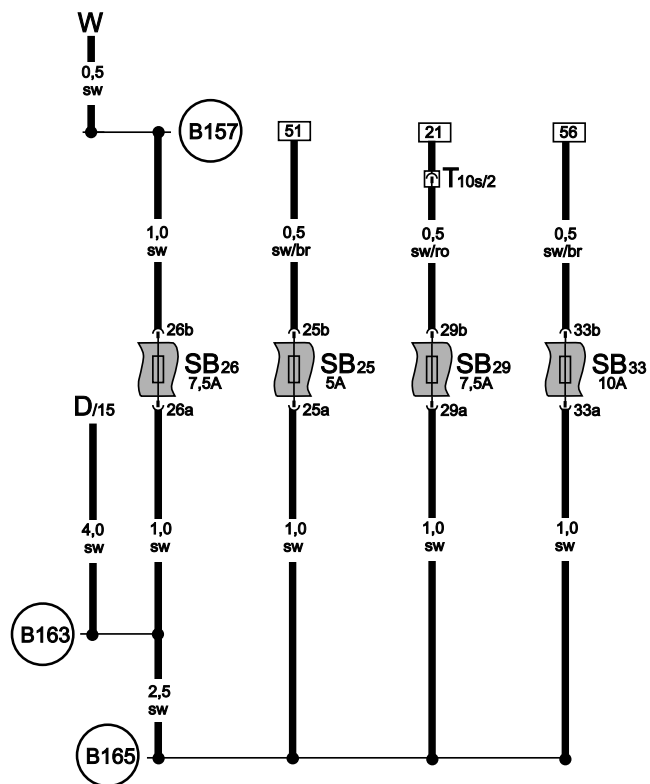
Automatic gearbox control unit, gearbox speed sender, selector lever lock solenoid valve, kick-down switch, selector lever display illumination, selector lever position P/N warning lamp

- E20 Switches and instruments
- F Brake light switch
- F8 Kick-down switch
- G38 Gearbox speed sender
- J104 ABS with EDL control unit
- J217 Automatic gearbox control unit
- K142 Selector lever position P/N warning lamp
- L101 Selector lever display illumination
- N110 Selector lever lock solenoid
- SB21 Fuse -21- on fuse box
- T10a 10-pin connector, green
- T10g 10-pin connector, brown
- T16 16-pin connector, self-diagnosis connection
- T28 28-pin connector, black
- T45a 45-pin connector, black

- 10 Earth point, in plenum chamber
- 50 Earth point, on left luggage compartment
- 131 Earth connection -2-, in engine compartment wiring harness
- 277 Earth connection -3-, in interior wiring harness
- A4 Positive (+) connection (58b), in dash panel wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- A109 Connection (selector lever function display), in dash panel wiring harness
- D73 Positive (+) connection (54), in engine compartment wiring harness
- D136 Positive (+) connection -2- (15a), in engine compartment wiring harness

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





Fuses for selector lever illumination, fuse for selector lever position P/N warning lamp, fuse for selector lever lock solenoid, fuse for multi-function switch

- D Ignition/starter switch
- SB25 Fuse -25- on fuse box
- SB26 Fuse -26- on fuse box
- SB29 Fuse -29- on fuse box
- SB33 Fuse -33- on fuse box
- T10s 10-pin connector, light green, near relay station
- B157 Positive (+) connection -3- (15a), in interior wiring harness
- B163 Positive (+) connection -1- (15), in interior wiring harness
- B165 Positive (+) connection -2- (15), in interior wiring harness

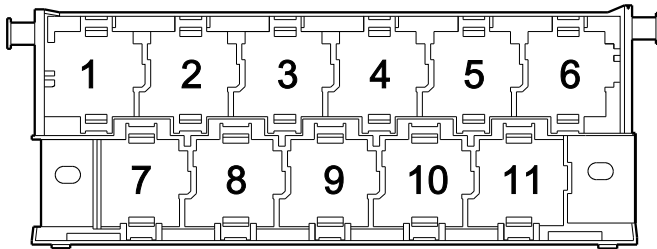
ws = white
 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 ge = yellow
 or = orange
 rs = pink

Automatic gearbox

- ⇒ 1.4 I/40 kW Motronic, engine codes ANX
- ⇒ 1.4 I Motronic/44 kW, engine codes AEX, AKV, APQ
- ⇒ 1.4 I/74 kW 1AV, engine codes AFH
- ⇒ 1.6 I/55 kW 1AV, engine codes AEE
- ⇒ 1.6 I/88 kW - 4CV, engine codes AJV

From June 1997

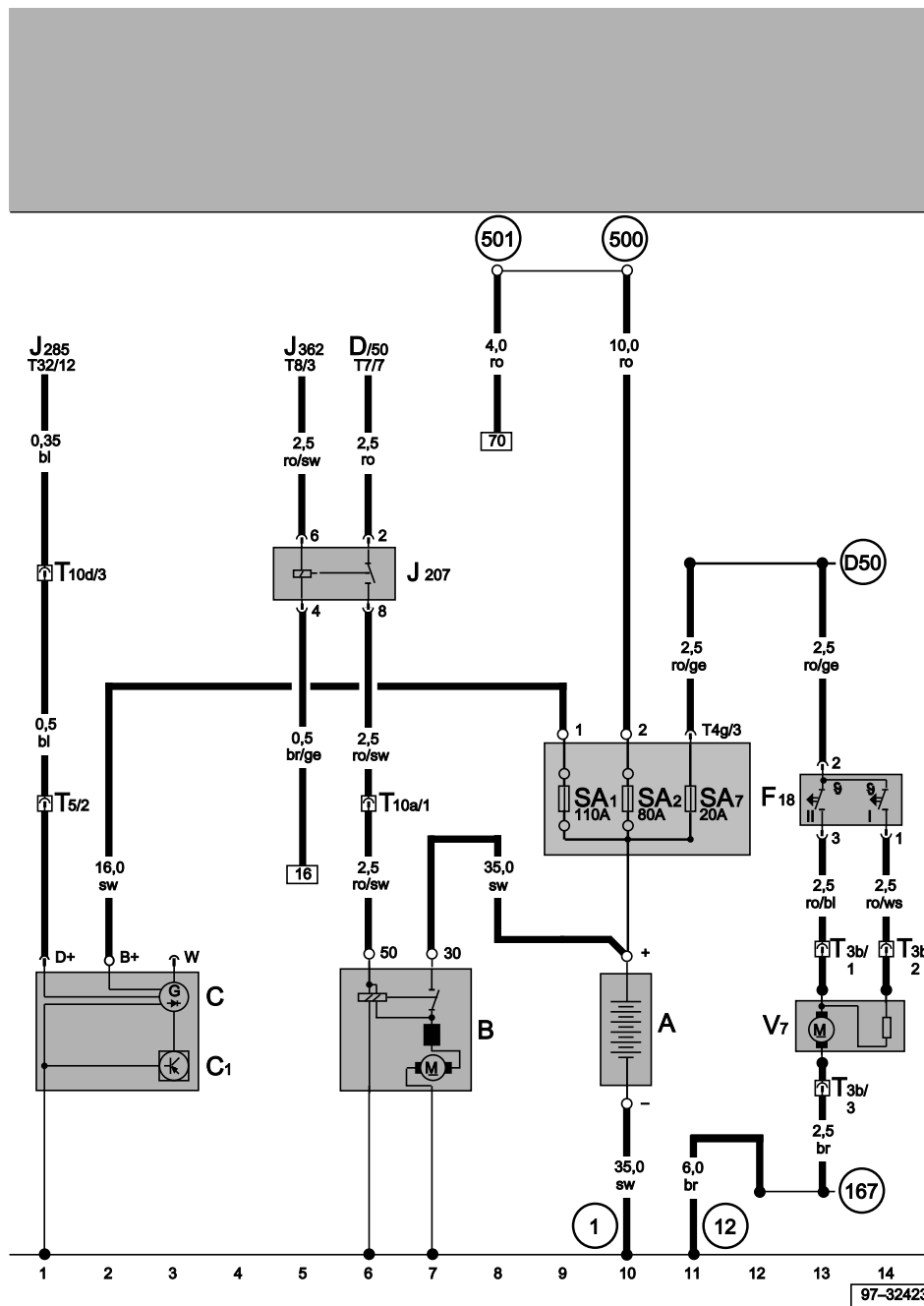
For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.



97-22850

Fuse colours

- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige
- 3 A - purple

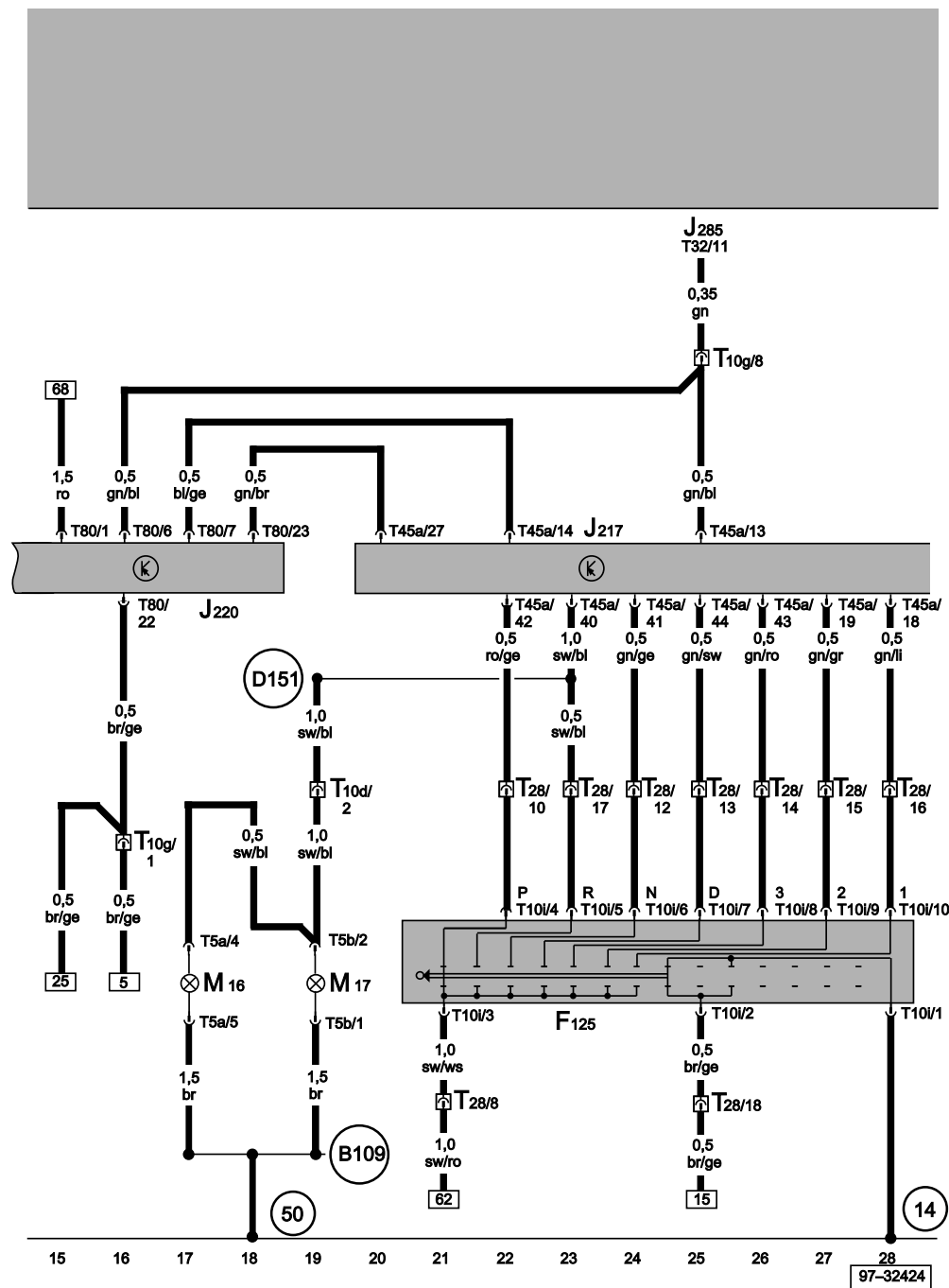


Battery, starter, alternator, radiator fan, radiator fan thermo-switch, starter inhibitor relay

- A Battery
- B Starter
- C Alternator
- C1 Voltage regulator
- D Ignition/starter switch
- F18 Radiator fan thermo-switch
- J207 Starter inhibitor relay
- J285 Control unit with display in dash panel insert
- J362 Immobilizer control unit
- SA1 Fuse -1- (30), in fuse box/battery
- SA2 Fuse -2- (30), in fuse box/battery
- SA2 Fuse -7- (30), in fuse box/battery
- T3b 3-pin connector, black
- T4g 4-pin connector
- T5 5-pin connector
- T8 8-pin connector
- T10a 10-pin connector, green, connector point under relay carrier
- T10d 10-pin connector, red, connector point under relay carrier
- V7 Radiator fan

- 1 Earth strap, battery - body
- 12 Earth point, in engine compartment, left
- 167 Earth point -4-, in engine compartment wiring harness
- 500 Screw connection -1- (30), on relay plate
- 501 Screw connection -2- (30), on relay plate
- D50 Positive (+) connection (30), in engine compartment wiring harness

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



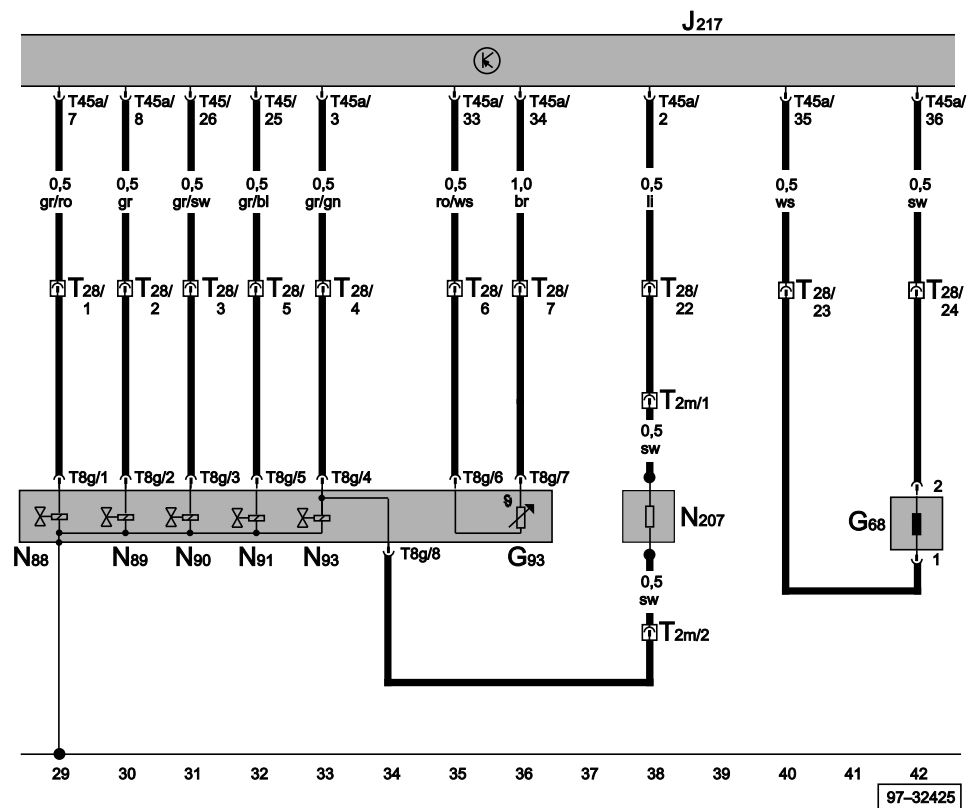
Motronic control unit, automatic gearbox control unit, multi-function switch, reversing light bulb, left, reversing light bulb, right

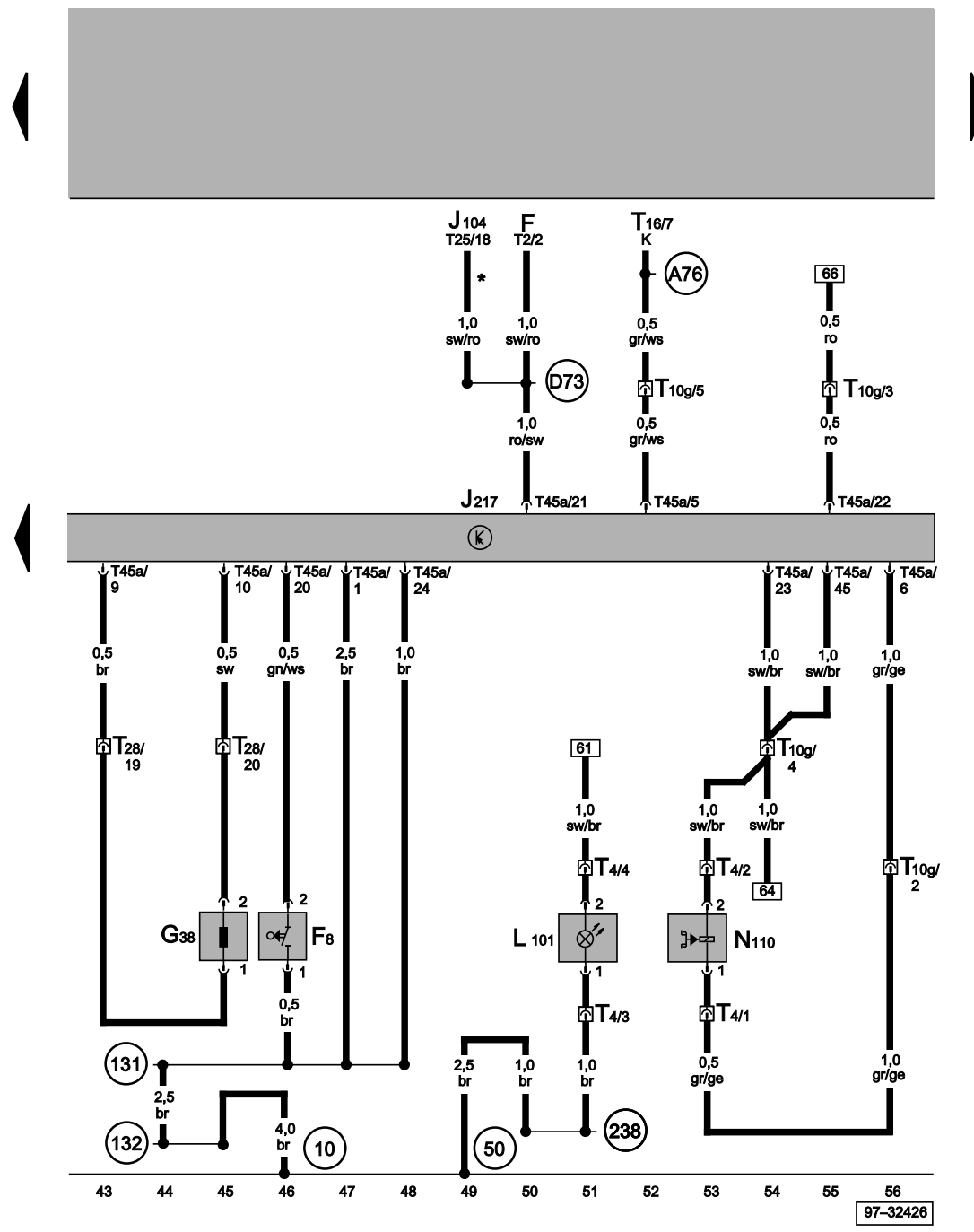
- F125 Multi-function switch
- J217 Automatic gearbox control unit
- J220 Motronic control unit
- J285 Control unit with display in dash panel insert
- M16 Reversing light bulb, left
- M17 Reversing light bulb, right
- T5a 5-pin connector
- T5b 5-pin connector
- T10d 10-pin connector, red, connector point under relay carrier
- T10g 10-pin connector, brown
- T10i 10-pin connector, black
- T28 28-pin connector, black, on gearbox
- T32 32-pin connector, black
- T45a 45-pin connector, black
- T80 80-pin connector, black
- 14 Earth point, on gearbox
- 50 Earth point, luggage compartment, left
- B109 Earth connection, in interior wiring harness, rear left
- D151 Connection (RF), in engine compartment wiring harness

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

Automatic gearbox control unit, solenoid valves, solenoid valve series resistance, vehicle speed sender, gearbox oil temperature sender

- G68 Vehicle speed sender
- G93 Gearbox oil temperature sender
- J217 Automatic gearbox control unit
- N88 Solenoid valve 1
- N89 Solenoid valve 2
- N90 Solenoid valve 3
- N91 Solenoid valve 4
- N93 Solenoid valve 6
- N207 Solenoid valve series resistance (automatic gearbox)
- T2m 2-pin connector, black
- T8g 8-pin connector, black, on gearbox
- T28 28-pin connector, black, on gearbox
- T45a 45-pin connector, black





Automatic gearbox control unit, gear speed sender, selector lever lock solenoid valve, kick-down switch, selector lever display illumination

- F Brake light switch
- F8 Kick-down switch
- G38 Gearbox speed sender
- J104 ABS with EDL control unit
- J217 Automatic gearbox control unit
- L101 Selector lever display illumination
- N110 Selector lever lock solenoid
- T4 4-pin connector
- T10g 10-pin connector, brown
- T16 16-pin connector, self-diagnosis connection
- T28 28-pin connector, black
- T45a 45-pin connector, black
- 10 Earth point, in plenum chamber
- 50 Earth point, on left luggage compartment
- 131 Earth connection -2-, in engine compartment wiring harness
- 132 Earth connection -3-, in engine compartment wiring harness
- 238 Earth connection -1-, in interior wiring harness
- A76 Connection (diagnosis wire K), in dash panel wiring harness
- D73 Positive (+) connection (54), in engine compartment wiring harness
- * Only models with ABS



Fuses for selector lever illumination, fuse for selector lever lock solenoid, fuse for multi-function switch, engine control unit fuse

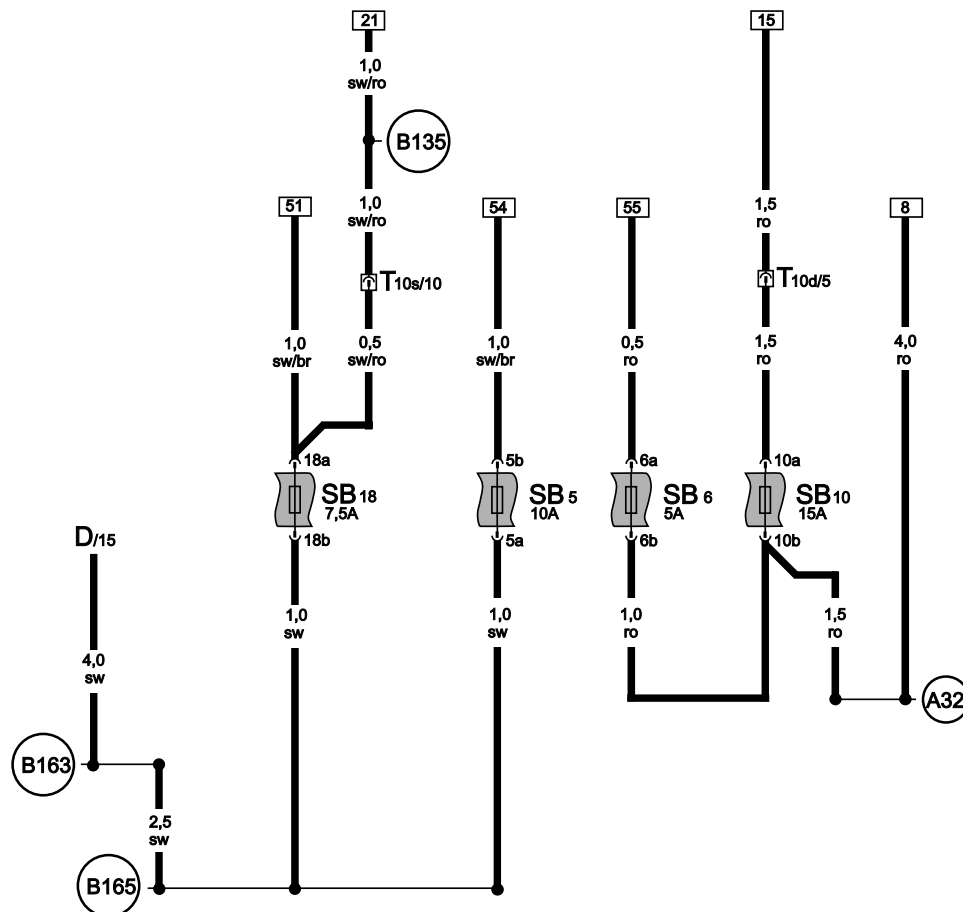
- D Ignition/starter switch
- SB5 Fuse -5- on fuse box, for selector lever lock solenoid
- SB6 Fuse -6- on fuse box, for automatic gearbox control unit
- SB10 Fuse -10- on fuse box, for automatic gearbox control unit
- SB10 Fuse -10- on fuse box, for selector lever display illumination
- T10d 10-pin connector, red
- T10s 10-pin connector, light green

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

B165 Positive (+) connection -2- (15), in interior wiring harness



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

57 58 59 60 61 62 63 64 65 66 67 68 69 70

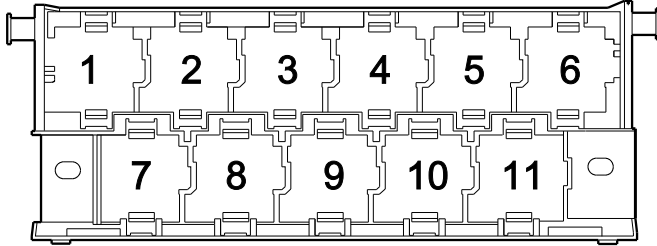
97-32427

Daytime driving lights

From October 2000

For alternatives to relay and fuse positions as well as multi-pin connector wiring - see "Fitting locations" section.

Relay locations on relay plate:



97-22850

7 - X contact relief relay (100)



Note!

♦ *The number in brackets behind the part designation denotes the control number on the housing.*

Fuse colours

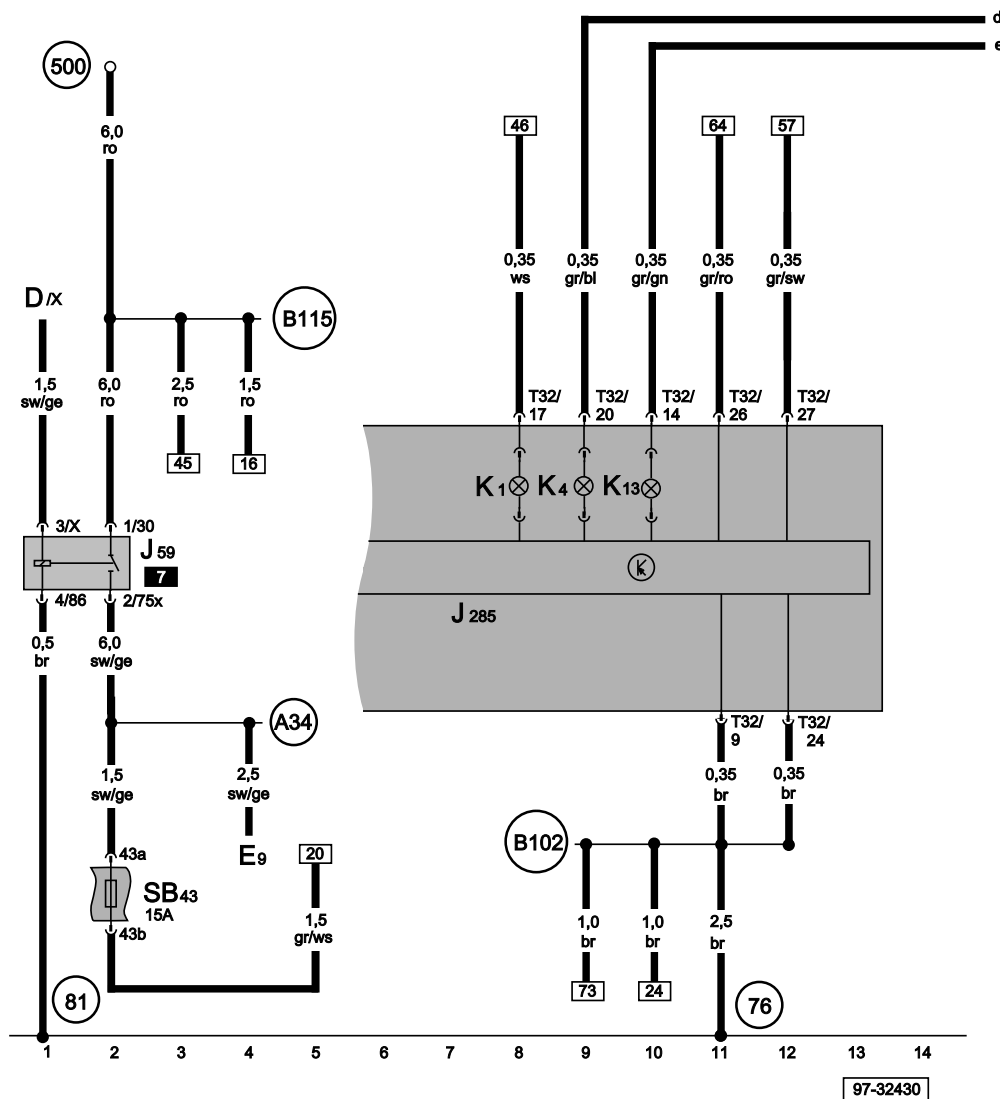
30 A - green
 25 A - white
 20 A - yellow
 15 A - blue
 10 A - red
 7.5 A - brown
 5 A - beige
 3 A - purple



Dash panel insert, main beam warning lamp, X contact relief relay, side light warning lamp, rear fog light warning lamp

- D Ignition/starter switch
- E9 Fresh air blower switch
- J59 X contact relief relay
- J285 Control unit with display in dash panel insert
- K1 Main beam warning lamp
- K4 Side light warning lamp
- K13 Rear fog light warning lamp
- SB43 Fuse -43- on fuse box
- T32 32-pin connector, blue

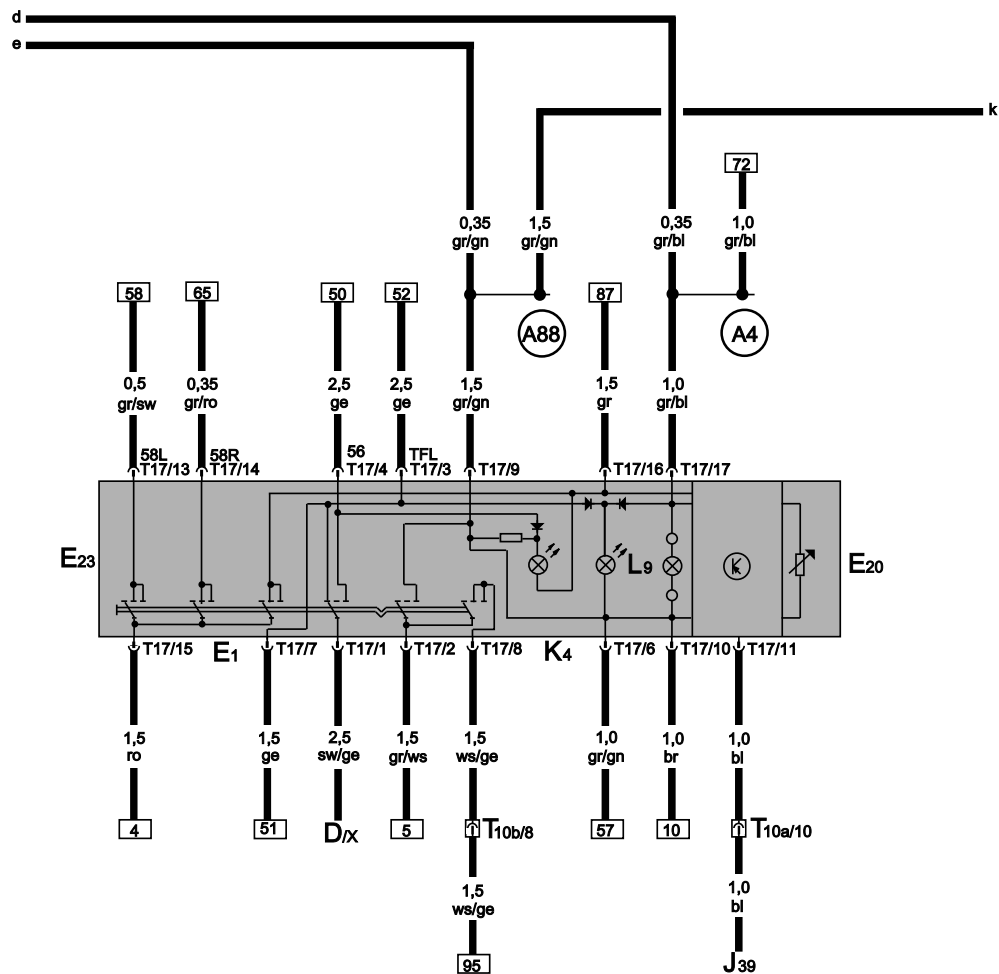
- 76 Earth point, near selector mechanism
- 81 Earth connection -1-, in dash panel wiring harness
- 500 Screw connection -1- (30), on relay plate
- A34 Connection (75x), in dash panel wiring harness
- B102 Earth connection, in interior wiring harness, front left
- B115 Positive (+) connection (30, central electrics), in interior wiring harness



Lighting switch, switches and instruments - lighting control, front and rear fog light switch, lighting switch light bulb

- D Ignition/starter switch
- E1 Lighting switch
- E20 Switches and instruments, lighting control
- E23 Front and rear fog light switch
- J39 Headlight washer system relay
- K4 Side light warning lamp
- L9 Lighting switch light bulb
- T10a 10-pin connector, green, near relay station
- T10b 10-pin connector, black, near relay station
- T17 17-pin connector, , black

- A4 Positive (+) connection (58b), in dash panel wiring harness
- A88 Connection (rear fog light), in dash panel wiring harness



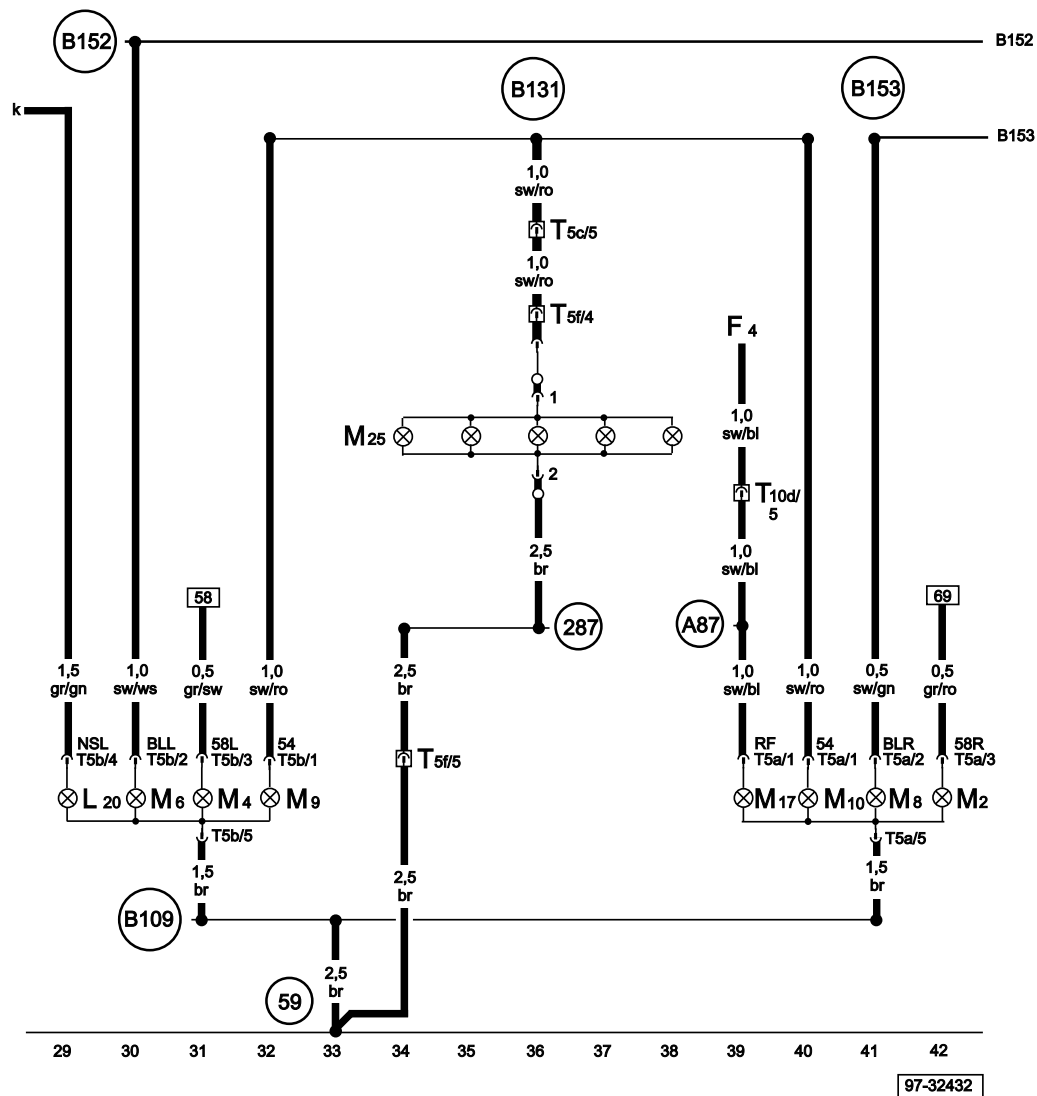
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

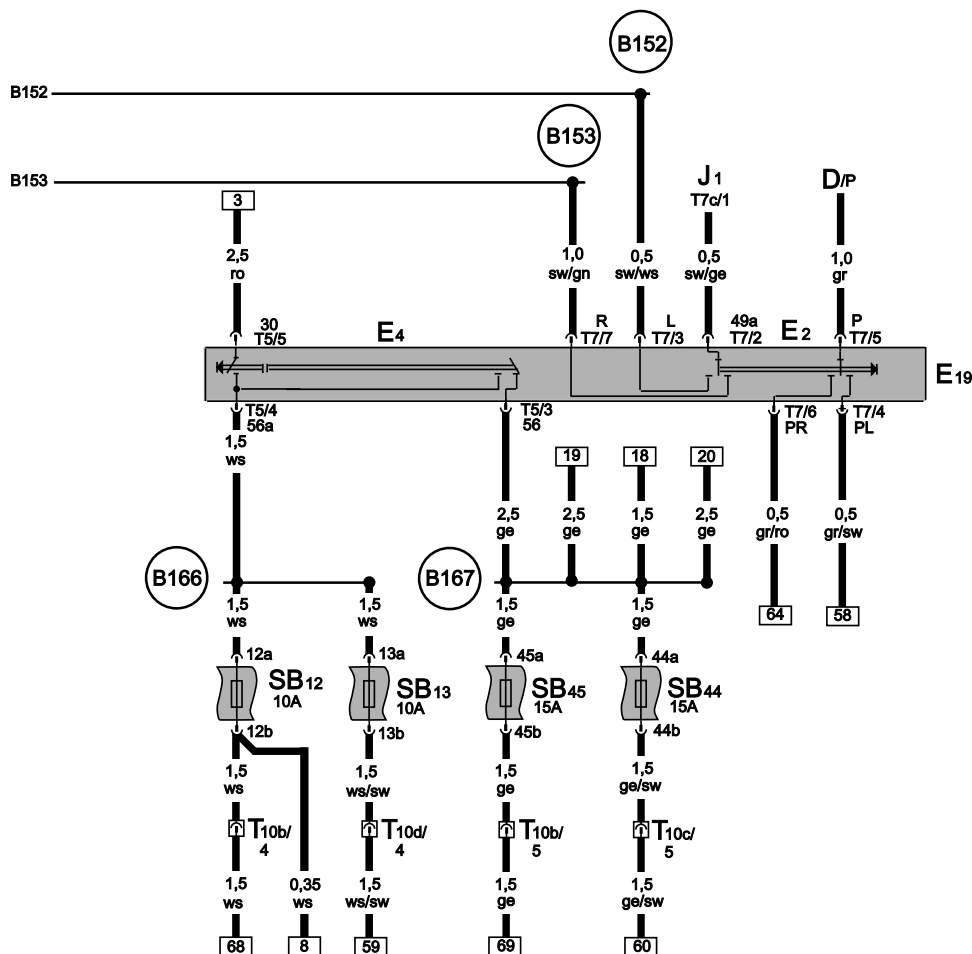
Tail lights, brake lights, rear fog light, reversing light, rear turn signals

- F4 Reversing light switch
- L20 Rear fog light bulb
- M2 Tail light bulb, right
- M4 Tail light bulb, left
- M6 Turn signal bulb, rear left
- M8 Turn signal bulb, rear right
- M9 Brake light bulb, left
- M10 Brake light bulb, right
- M17 Reversing light bulb, right
- M25 High level brake light bulb
- T5a 5-pin connector, black
- T5b 5-pin connector, black
- T5c 5-pin connector, black, in rear lid prewiring wiring harness
- T5f 5-pin connector, black, in tailgate/boot lid
- T10d 10-pin connector, red, near relay station

- 59 Earth point, near left tail light
- 287 Earth connection, in rear lid prewiring wiring harness
- A87 Connection (RL), in dash panel wiring harness
- B109 Earth connection, in interior wiring harness, rear left
- B131 Connection (54), in interior wiring harness
- B152 Connection (BL (turn signal, left)), in interior wiring harness
- B153 Connection (BR (turn signal, right)), in interior wiring harness

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





Headlight dipper/flasher switch, turn signal switch, parking light switch

- D Ignition/starter switch
- E2 Turn signal switch
- E4 Headlight dipper/flasher switch
- E19 Parking light switch
- J1 Turn signal relay
- SB12 Fuse -12- on fuse box
- SB13 Fuse -13- on fuse box
- SB44 Fuse -44- on fuse box
- SB45 Fuse -45- on fuse box
- T5 5-pin connector, black, behind steering column switch trim
- T7 7-pin connector, red, behind steering column switch trim
- T7c 7-pin connector, black
- T10b 10-pin connector, black, near relay station
- T10c 10-pin connector, blue, near relay station
- T10d 10-pin connector, red, near relay station

- B152 Connection (BL (turn signal, left)), in interior wiring harness
- B153 Connection (BR (turn signal, right)), in interior wiring harness
- B166 Connection (56a), in interior wiring harness
- B167 Connection (56b), in interior wiring harness

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

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

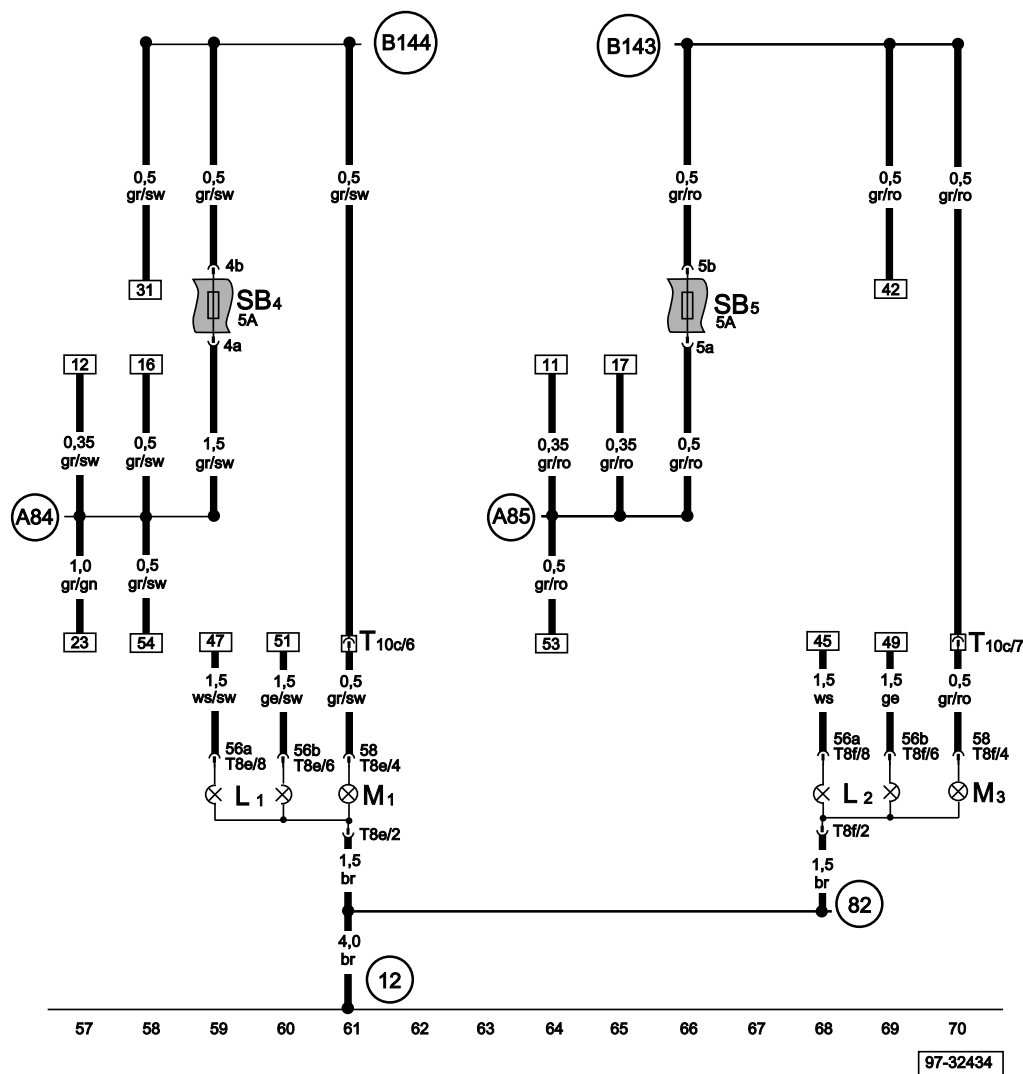
97-32433

Left headlight, left side light, right headlight, right side light

- L1 Twin filament bulb for headlight, left
- L2 Twin filament bulb for headlight, right
- M1 Side light bulb, left
- M3 Side light bulb, right
- SB4 Fuse -4- on fuse box
- SB5 Fuse -5- on fuse box
- T8e 8-pin connector, black, near headlight, left
- T8f 8-pin connector, black, near headlight, right
- T10c 10-pin connector, blue, near relay station

- 12 Earth point, in engine compartment, left
- 82 Earth connection -1-, in front left wiring harness
- A84 Connection (58L), in dash panel wiring harness
- A85 Connection (58R), in dash panel wiring harness
- B143 Positive (+) connection (58R), in interior wiring harness
- B144 Positive (+) connection (58L), in interior wiring harness

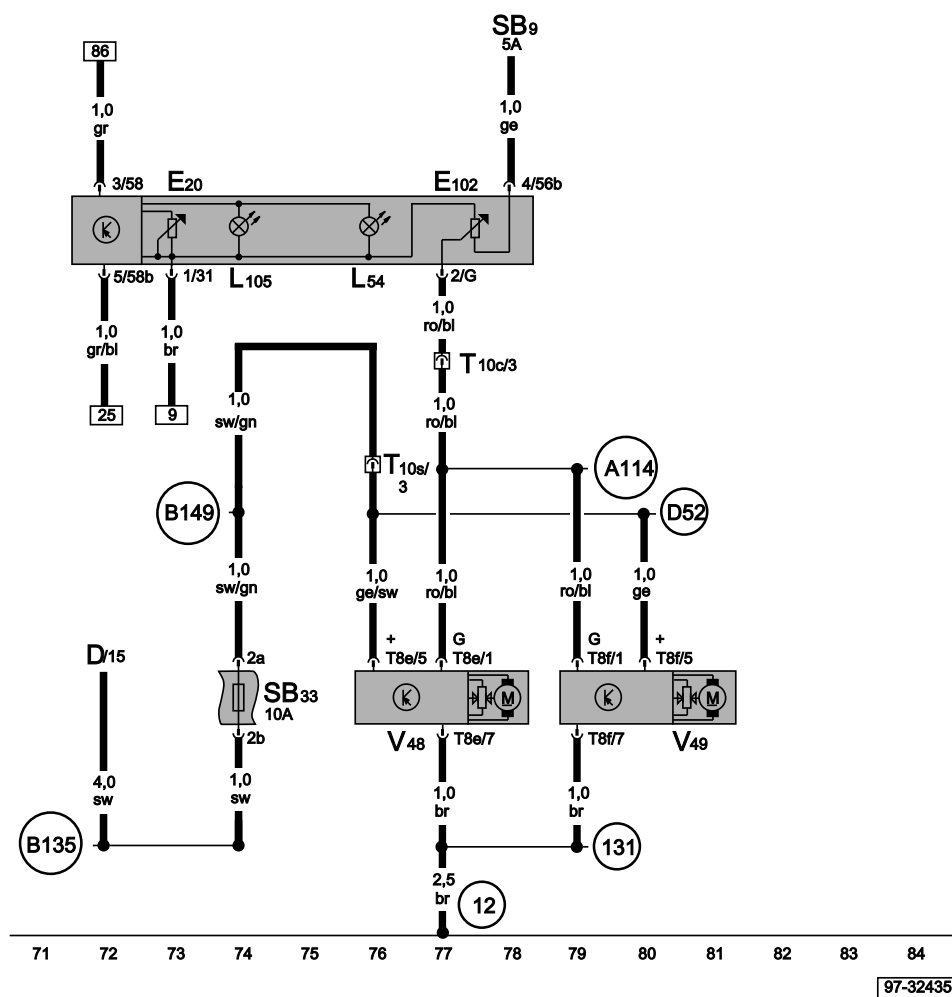
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 sw = black
 ro = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
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 or = orange
 rs = pink

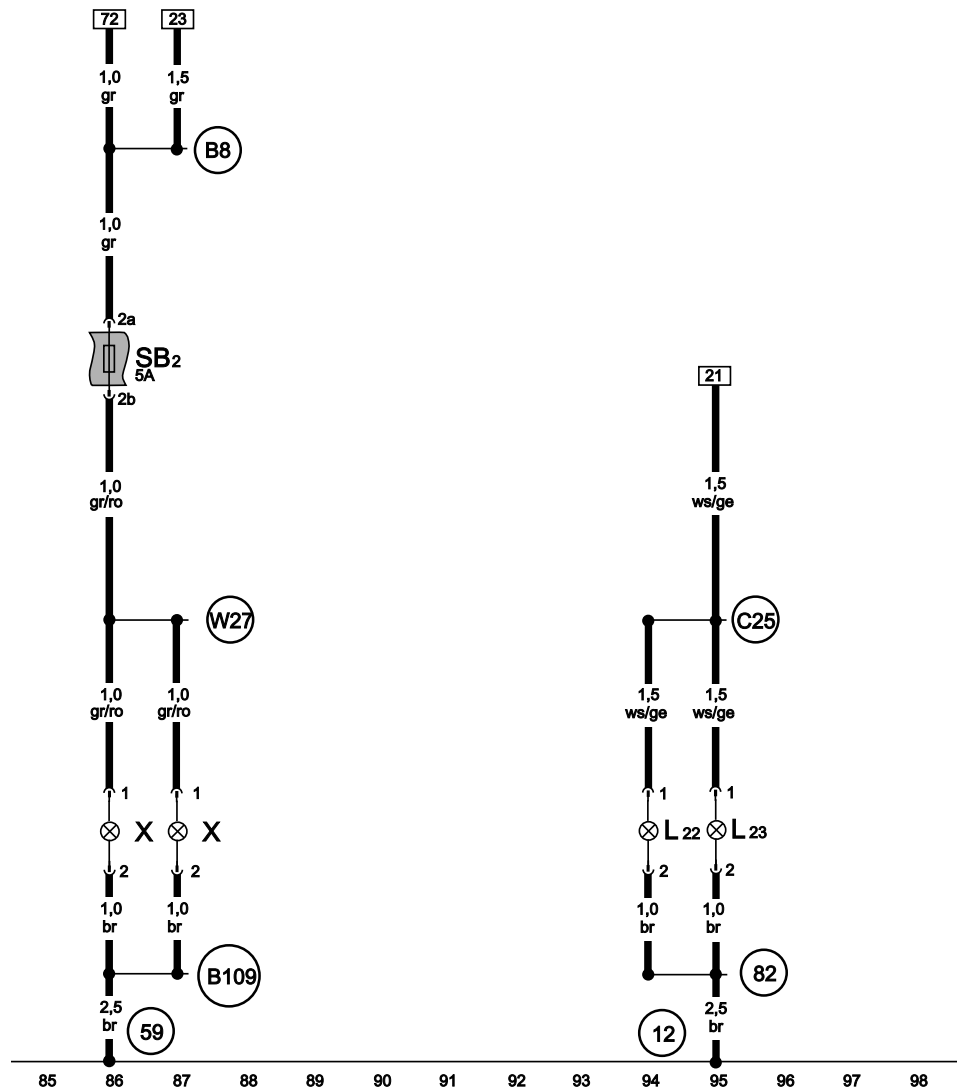


Switches and instruments - lighting control, headlight range control

- D Ignition/starter switch
- E20 Switches and instruments - lighting control
- E102 Headlight range control adjuster
- L54 Headlight range control adjuster light bulb
- L105 Illumination control switch illumination
- SB9 Fuse -9- on fuse box
- SB33 Fuse -33- on fuse box
- T8e 8-pin connector, black, near headlight, left
- T8f 8-pin connector, black, near headlight, right
- T10c 10-pin connector, blue, near relay station
- T10s 10-pin connector, green, near relay station
- V48 Headlight range control motor, left
- V49 Headlight range control motor, right

- 12 Earth point, in engine compartment, left
- 131 Earth connection -2-, in engine compartment wiring harness
- A114 Connection (headlight range control), in dash panel wiring harness
- B135 Connection -1- (15a), in interior wiring harness
- B149 Positive (+) connection -2- (15a), in interior wiring harness
- D52 Positive (+) connection (15a), in engine compartment wiring harness





97-32436

Number plate light, fog light

- L22 Fog light bulb, left
- L23 Fog light bulb, right
- SB2 Fuse -2- in relay plate fuse box
- X Number plate light

- 12 Earth point, in engine compartment, left
- 59 Earth point, near left tail light
- 82 Earth connection -1-, in front left wiring harness
- B8 Positive (+) connection (58), in light switch wiring harness
- B109 Earth connection, in interior wiring harness, rear left
- C25 Connection (fog light), in front lighting wiring harness
- W27 Positive (+) connection (58), in tail light wiring harness

ws = white
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 ro = red
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 gn = green
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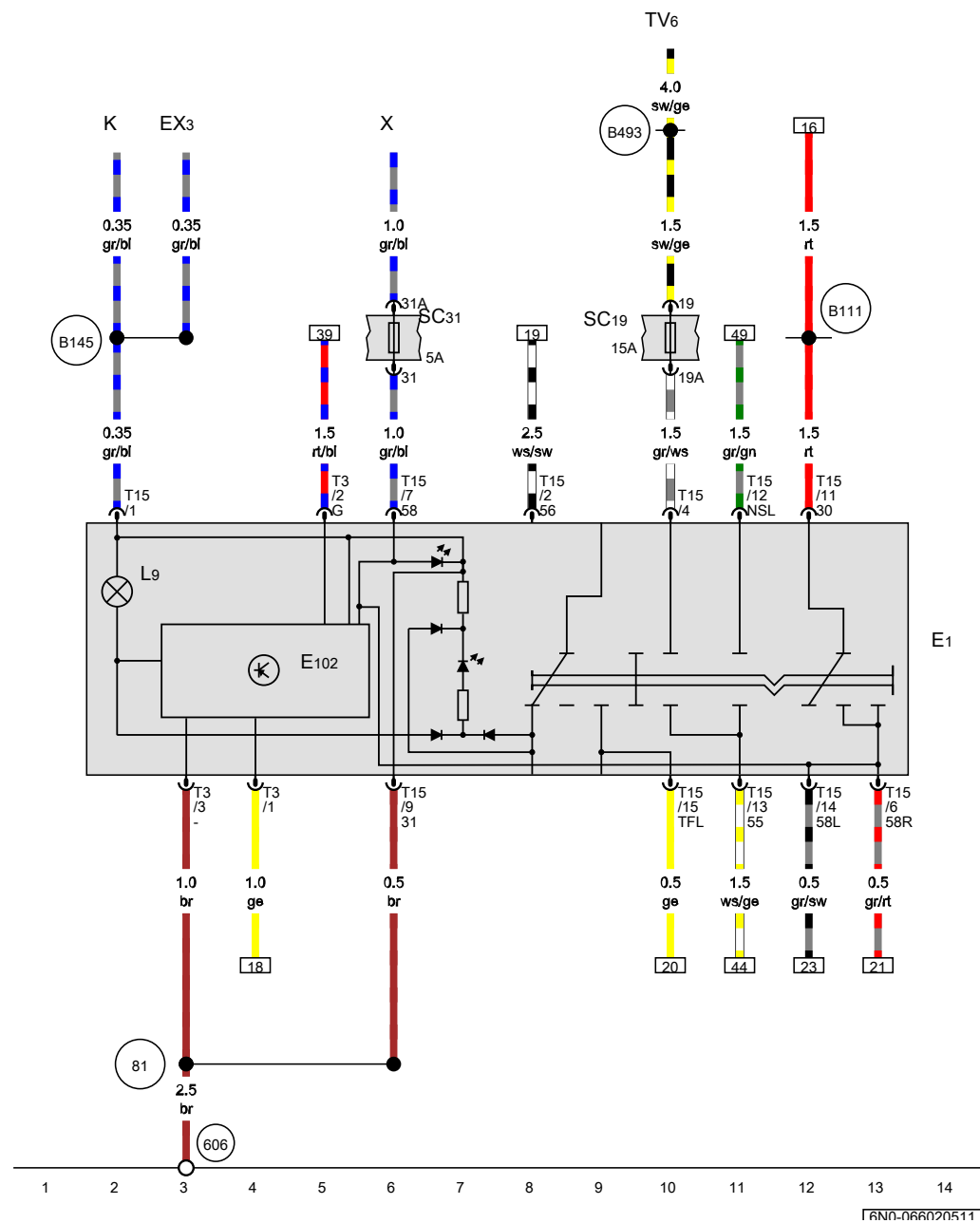
Daytime running light

From October 1999

Light switch, Headlight range control regulator

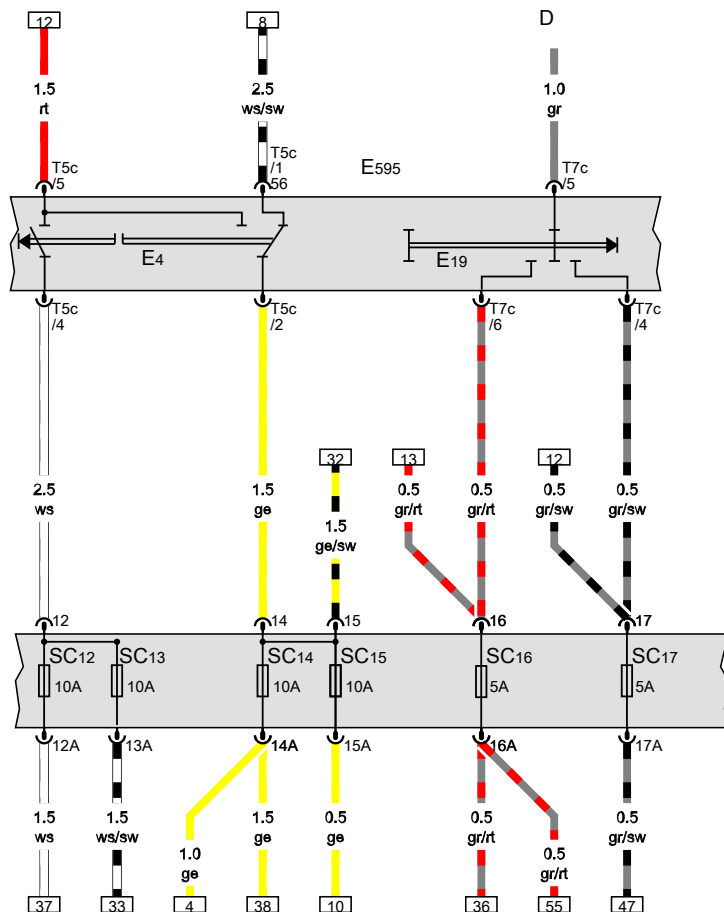
- E1 Light switch
- EX3 Hazard warning light switch
- E102 Headlight range control regulator
- K Dash panel insert
- L9 Light switch illumination bulb
- SC19 Fuse 19 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- T3 3-pin connector
- TV6 Terminal X wiring junction
- T15 15-pin connector
- X Number plate light

- 81 Earth connection 1, in dash panel wiring harness
- 606 Earth point, under the centre console near gear stick
- B111 Positive connection 1 (30a), in interior wiring harness
- B145 Positive connection (58b), in interior wiring harness
- B493 Connection (75x), in interior wiring harness



Ignition/starter switch, Headlight dipper and flasher switch,
Parking light switch, Steering column combination switch

- D Ignition/starter switch
- E4 Headlight dipper and flasher switch
- E19 Parking light switch
- E595 Steering column combination switch
- SC12 Fuse 12 on fuse holder C
- SC13 Fuse 13 on fuse holder C
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC17 Fuse 17 on fuse holder C
- T5c 5-pin connector
- T7c 7-pin connector

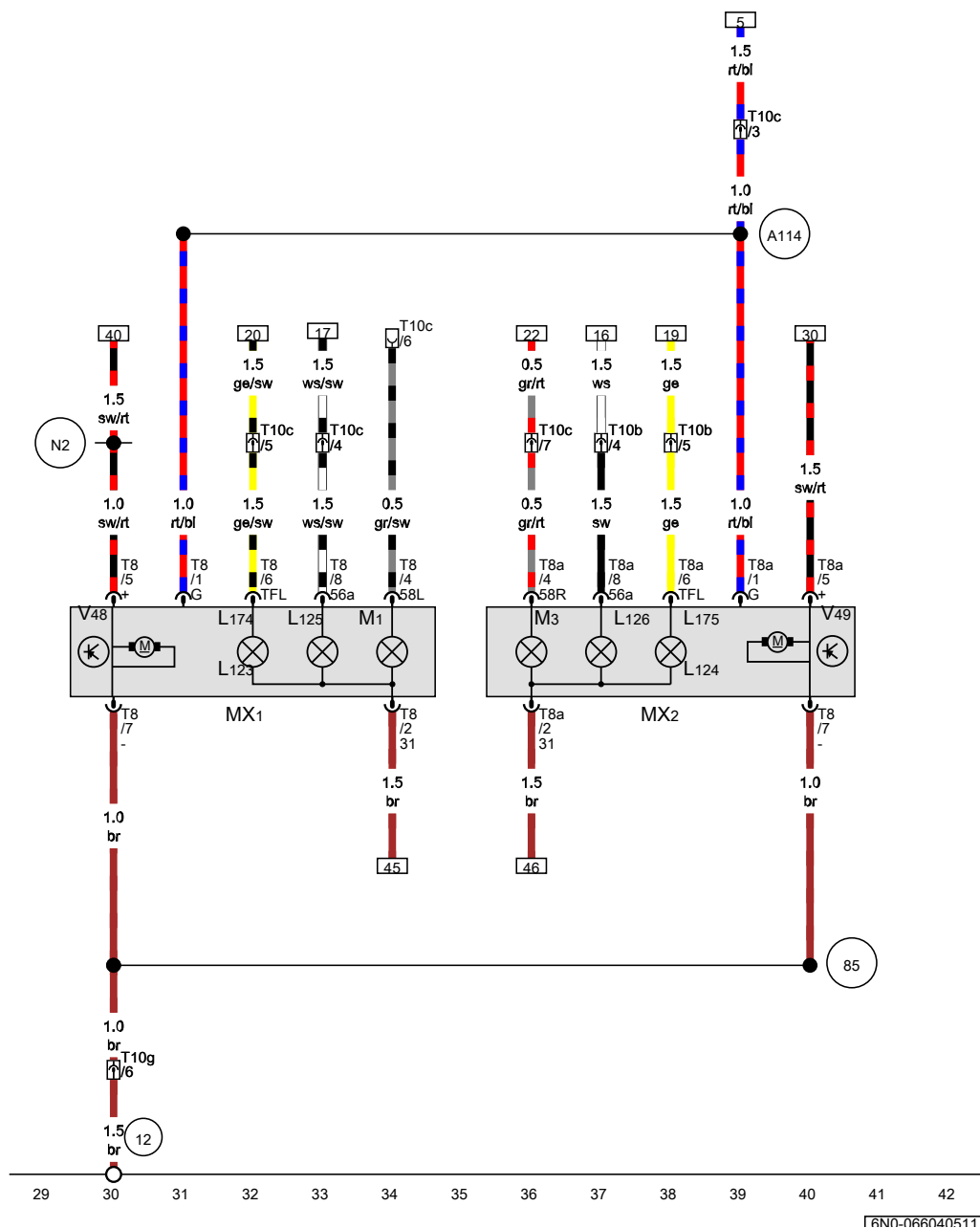


- ws = white
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- li = purple
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Front left headlight, Front right headlight, Left headlight range control motor, Right headlight range control motor

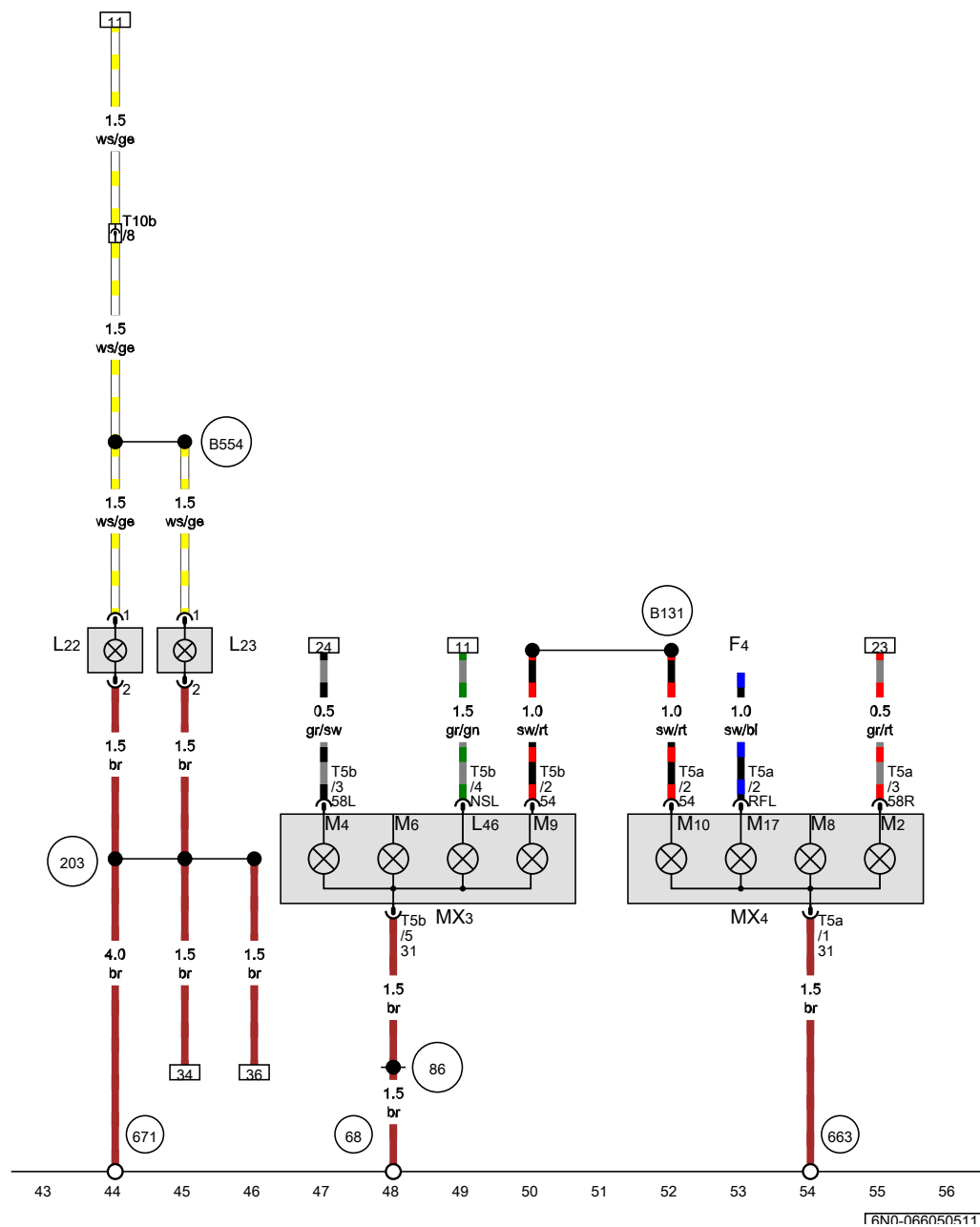
- L123 Left dipped beam bulb
- L124 Right dipped beam bulb
- L125 Left main beam bulb
- L126 Right main beam bulb
- L174 Left daytime running light bulb
- L175 Right daytime running light bulb
- MX1 Front left headlight
- M1 Left side light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- T8 8-pin connector
- T8a 8-pin connector
- T10b 10-pin connector, black
- T10c 10-pin connector, blue
- T10g 10-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor

- 12 Earth point, on left in engine compartment
- 85 Earth connection 1, in engine compartment wiring harness
- A114 Connection (headlight range control), in dash panel wiring harness
- N2 Connection 1, in headlight range control wiring harness



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

Left fog light bulb, Right fog light bulb, Left tail light, Right tail light



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

- F4 Reversing light switch
- L22 Left fog light bulb
- L23 Right fog light bulb
- L46 Rear left 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
- M17 Right reversing light bulb
- T5a 5-pin connector
- T5b 5-pin connector
- T10b 10-pin connector, black

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 203 Earth connection, in front fog light wiring harness
- 663 Earth point, rear right side panel
- 671 Earth point 1, on front of left longitudinal member
- B131 Connection (54), in interior wiring harness
- B554 Connection (fog light), in main wiring harness

Radiator fan with no air conditioning system

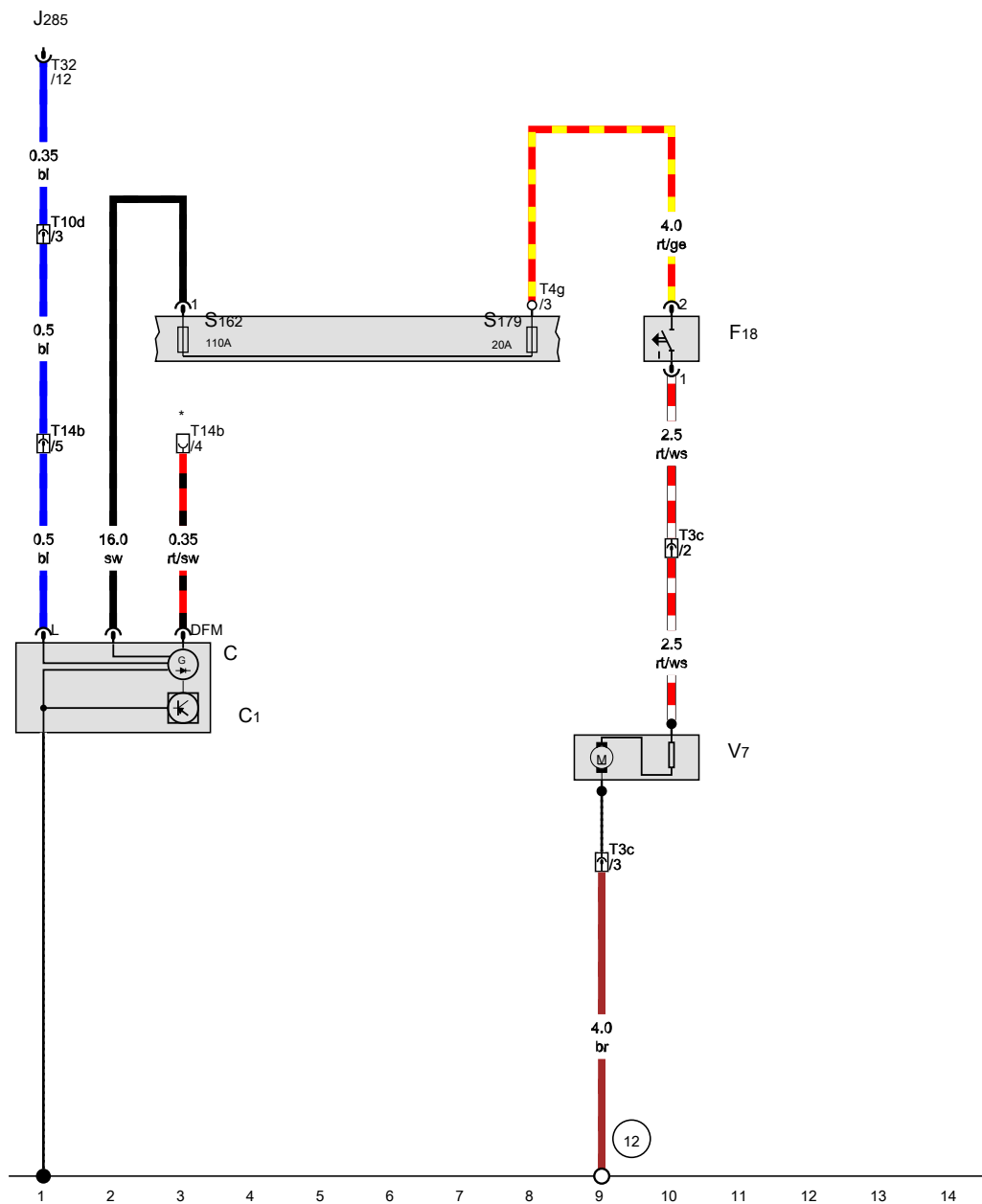
From May 2000

Alternator, Radiator fan thermal switch, Radiator fan

- C Alternator
- C1 Voltage regulator
- F18 Radiator fan thermal switch
- J285 Control unit in dash panel insert
- S162 Fuse 1 (30), in battery fuse holder
- S179 Fuse 7 (30), in battery fuse holder
- T3c 3-pin connector
- T4g 4-pin connector
- T10d 10-pin connector
- T14b 14-pin connector
- T32 32-pin connector
- V7 Radiator fan

12 Earth point, on left in engine compartment

* see applicable current flow diagram for engine

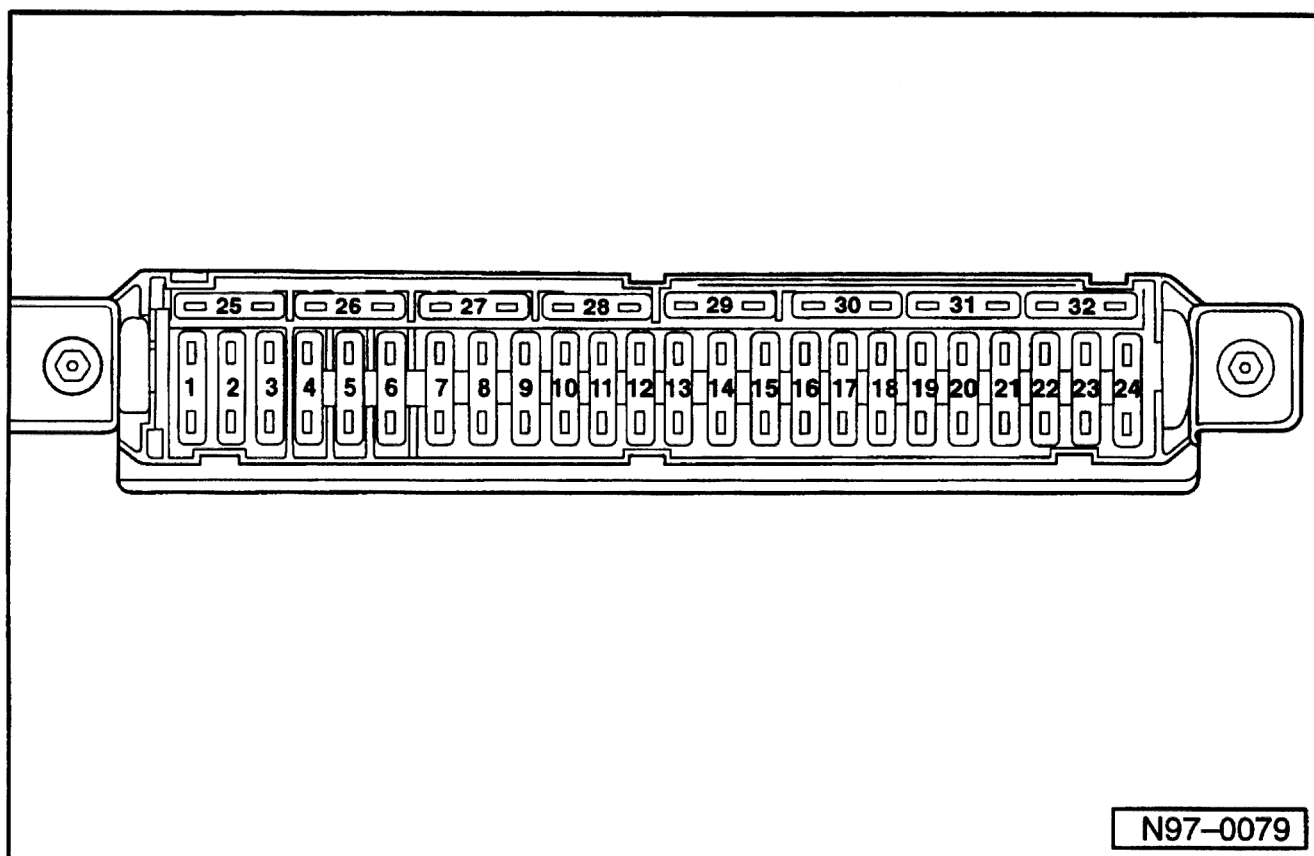


16N0-067020611

Fuse holder, fuse holder/battery and relay station

- Fuse locations 1/2
- Fuse locations fuse holder/battery 1/4
- Relay locations and connector locations on relay station 1/5

Fuse locations



Fuse locations for optional equipment not listed can be found in the relevant current flow diagrams.

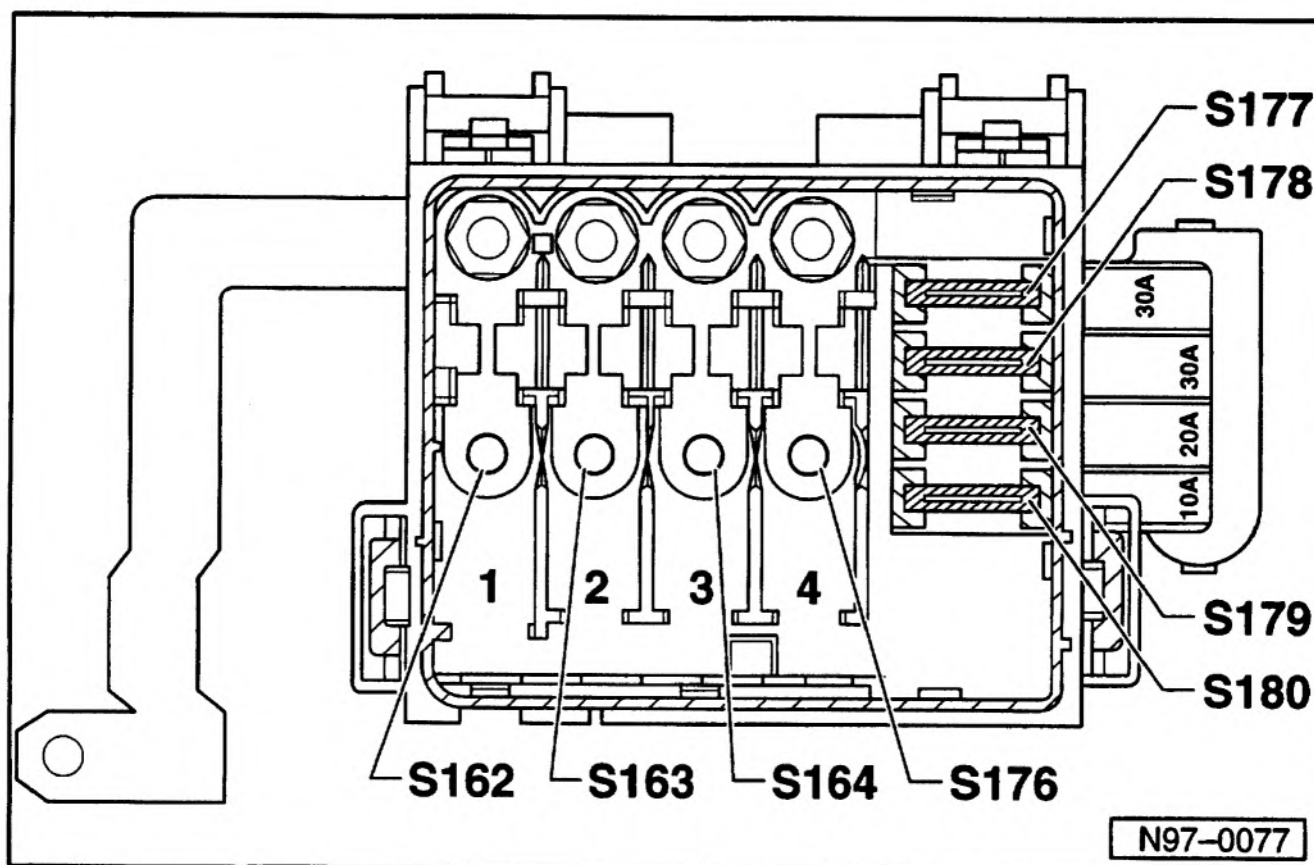
1	- Engine control unit (15)	15A	11	- Horn, seat heating (15)	15A
2	- Engine control unit (30) (only on petrol engines) Engine electrics (87) (only on diesel engines)	10A	12	- Right main beam, main beam warning lamp (56a)	10A
3	- Engine electrics (15)	7.5A	13	- Left main beam (56a)	10A
4	- Ignition transformer (15)	15A	14	- Right dipped beam, right head- light range control, headlight range control adjuster (56b)	10A
5	- Auto. gearbox control unit, shift lock (15)	10A	15	- Left dipped beam, left headlight range control (56b)	10A
6	- Auto. gearbox control unit (30)	5A	16	- Right side and tail lights (58R)	5A
7	- ABS control unit (75x)	5A	17	- Left side and tail lights (58L)	5A
8	- Injectors, Lambda probe (87)	15A	18	- Reversing light, heated washer jets, selector lever illumination (15)	7.5A
9	- Engine control unit (15)	10A	19	- Fog lights, rear fog light (75x)	15A
10	- Engine control unit (15) (only on petrol engines) Engine electrics (87) (only on diesel engines)	15A	20	- Brake lights (30)	10A

21	- Hazard warning lights (30)	10A	27	- Self-diagnosis connection, dash panel insert, interior light, luggage compartment light (39)	5A
22	- Turn signals (75x)	5A	28	- Radio, cigarette lighter, central locking (30)	15A
23	- Windscreen wipe/wash system (75x)	15A	29	- Interior light, fresh/recirculating air blower actuating motor (15)	5A
24	- Rear window wiper, heated and adjustable exterior mirrors (75x)	10A	30	- Fresh air blower (75x)	20A
25	- Heated rear window (75x)	15A	31	- Licence plate lights (58)	5A
26	- Dash panel insert, immobiliser (15)	5A	32	- Fuel pump (87)	15A

Fuse colours

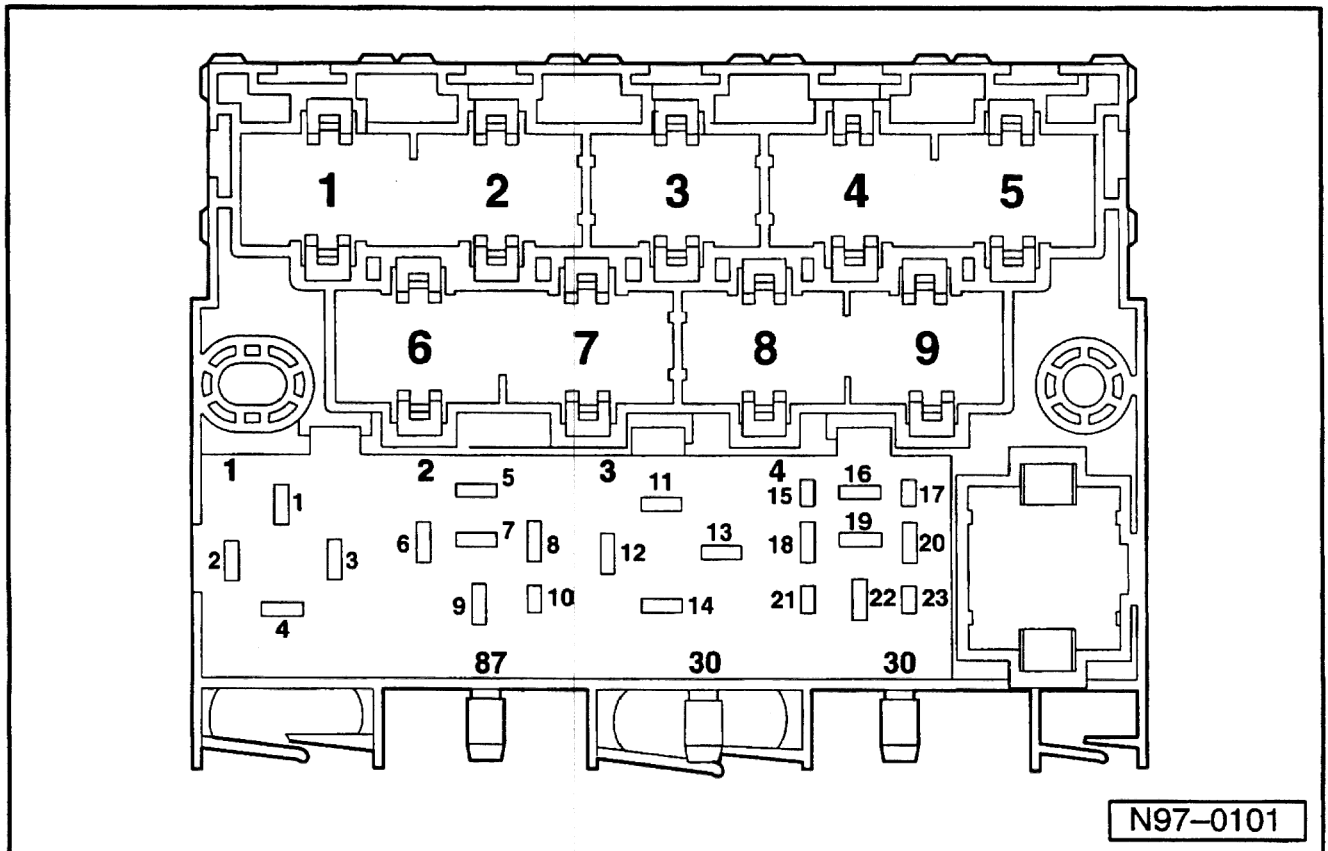
20 A	-	Yellow
15 A	-	Blue
10 A	-	Red
7.5 A		Brown
5 A	-	Beige

Fuse locations fuse holder/battery



S162	- Fuse -1- (30) Alternator	110A
S163	- Fuse -2- (30) Relay carrier	80A
S164	- Fuse -3- (30) Engine glow plugs	50A
S176	- Fuse -4- (30) Coolant heater elements	50A
	Air conditioner	30A
S177	- Fuse -5- (30) ABS control unit	30A
S178	- Fuse -6- (30) ABS control unit	30A
S179	- Fuse -7- (30) Radiator fan	20A
S180	- Fuse -8- (30) Air conditioner	10A

Relay locations and connector locations on relay station



Relay locations on relay station

- 1** – Hazard warning light relay (21)
- 2** – Automatic intermittent wipe and wash relay (19)
- 3** – X contact relief relay (18)
- 4** – Fuel pump relay (167)

Connector positions on relay station

Connector location	Connector designation	Housing colour
1		
2		
3	T10C	Blue
4	T10d	Red
5	T10	White
6	T10g	Brown
7		
8	T10a	Green
9	T10b	Black

The stud with the designation 87 carries the potential 75X

Multi-pin connectors

Note:

Multi-pin connectors on control units and relays ⇒ Fitting locations No. 3

Contents

Automatic gearbox:

- Solenoid valves and gearbox oil sender (G93)..... 2/6
- Multi-function switch (F125)..... 2/6

Self-diagnosis:

- 16-pin connector behind stowage compartment on drivers side 2/9

Lamps, lights, switches – exterior:

- 19-pin multi-pin connector..... 2/7
- Left and right headlights 2/7

Lamps, lights, switches – interior, anti-theft alarm:

- Lighting switch (E1) and headlight range control adjuster (E102) 2/8
- Mirror adjustment switch (E43) and mirror adjustment change-over switch (E48) 2/8

Engine connector:

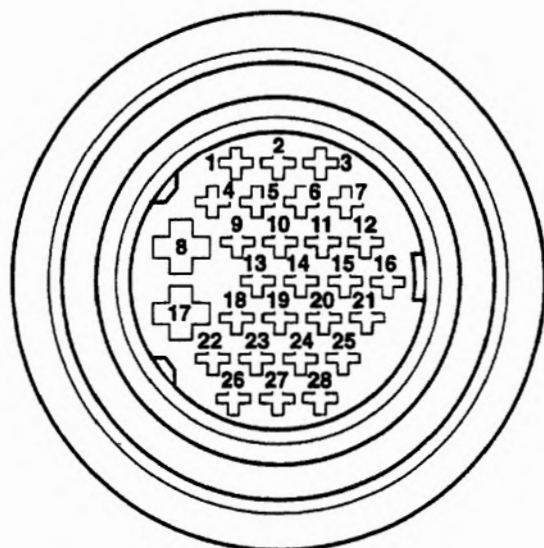
- Engine connector, petrol engine with automatic gearbox..... 2/2
- Engine connector, 1.7 ltr/42 kW cat. diesel engine, engine code AHG,
1.9 ltr/47 kW cat diesel engine, engine code AGD..... 2/3
- Engine connector, 1.9 ltr/47 kW cat. diesel engine, engine code AEF, from November 1995..... 2/4

Coupling stations:

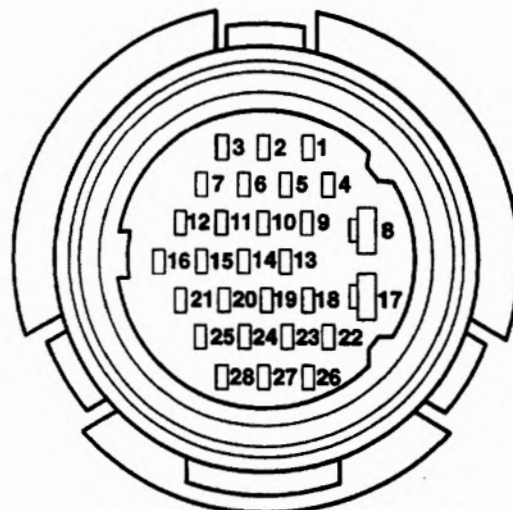
- Left and right A pillar coupling stations..... 2/5

Engine connector, all petrol engines with automatic gearbox

28-pin multi-pin connector



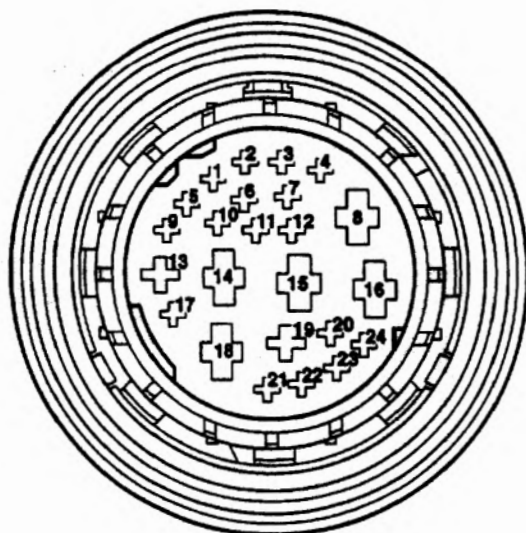
Wiring harness connector



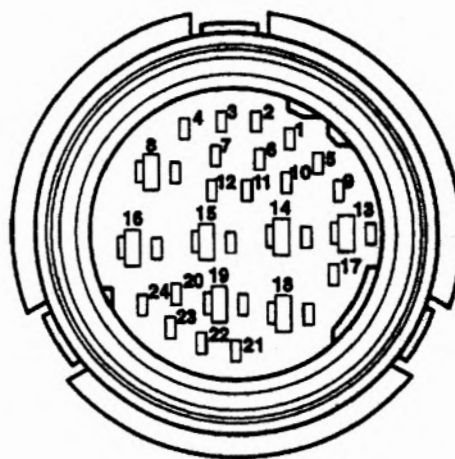
Engine

V97-10219

Engine connector, 1.7 ltr./42kW diesel engine, engine code AHG,
1.9 ltr./47kW cat. diesel engine, engine code AGD
24-pin multi-pin connector



Wiring harness connector

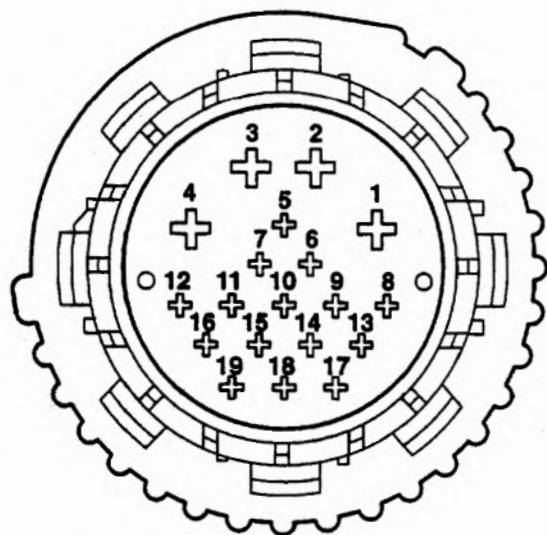


Engine

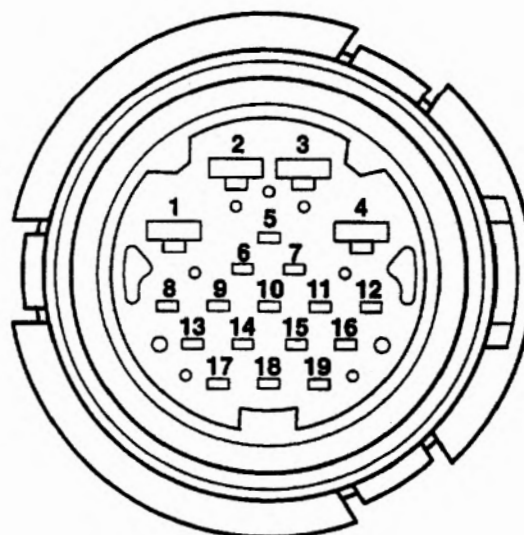
V97-13252

Engine connector, 1.9 ltr./47kW cat. diesel engine, engine code AEF, from
November 1995

19-pin multi-pin connector



Wiring harness connector

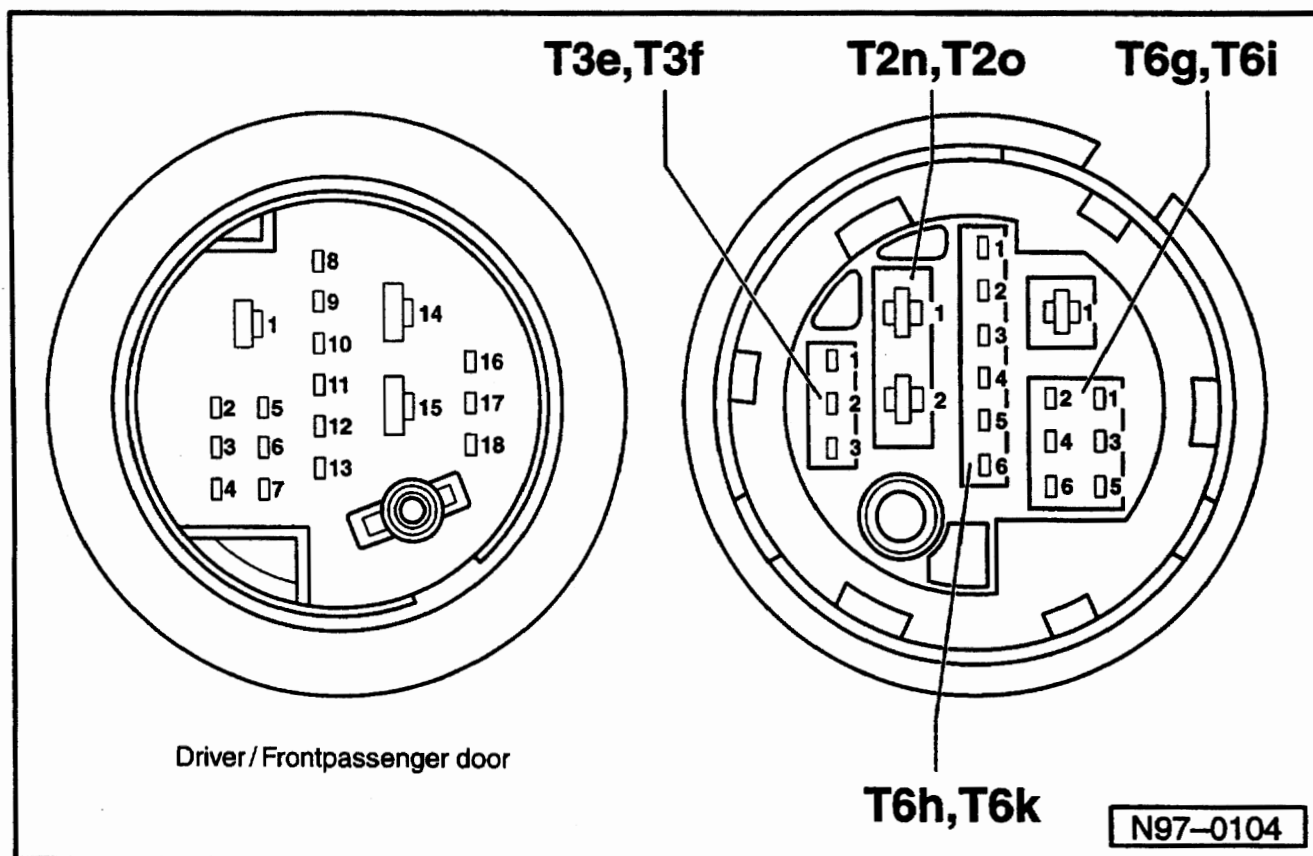


Engine

N97-0038

Left and right A pillar coupling station

18-pin multi-pin connector

**Connector assignment**

1	-	T18/1 or T18a/1	10	-	T18/10 or T18a/10
2	-	T18/2 or T18a/2	11	-	T18/11 or T18a/11
3	-	T18/3 or T18a/3	12	-	T18/12 or T18a/12
4	-	T18/4 or T18a/4	13	-	T18/13 or T18a/13
5	-	T18/5 or T18a/5	14	-	T18/14 or T18a/14
6	-	T18/6 or T18a/6	15	-	T18/15 or T18a/15
7	-	T18/7 or T18a/7	16	-	T18/16 or T18a/16
8	-	T18/8 or T18a/8	17	-	T18/17 or T18a/17
9	-	T18/9 or T18a/9	18	-	T18/18 or T18a/18

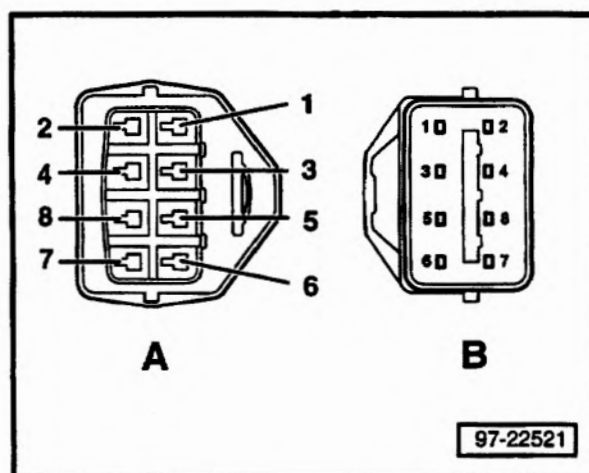
Connector:

- T3e - 3-pin connector, black, on left lower A pillar
- T3f - 3-pin connector, black, on right lower A pillar
- T2n - 2-pin connector, black, on left lower A pillar
- T2o - 2-pin connector, black, on right lower A pillar
- T6g - 6-pin connector, black, on left lower A pillar
- T6i - 6-pin connector, black, on right lower A pillar
- T6h - 6-pin connector, black, on left lower A pillar
- T6k - 6-pin connector, black, on right lower A pillar

Automatic gearbox

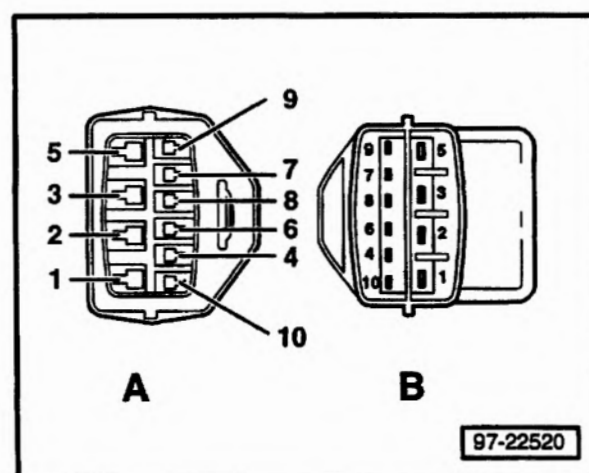
Solenoid valves and gearbox oil temperature sender (G93)

- A - Wiring harness connector
 B - Solenoid valves and gearbox oil temperature sender (G93)



Multi-function switch (F125)

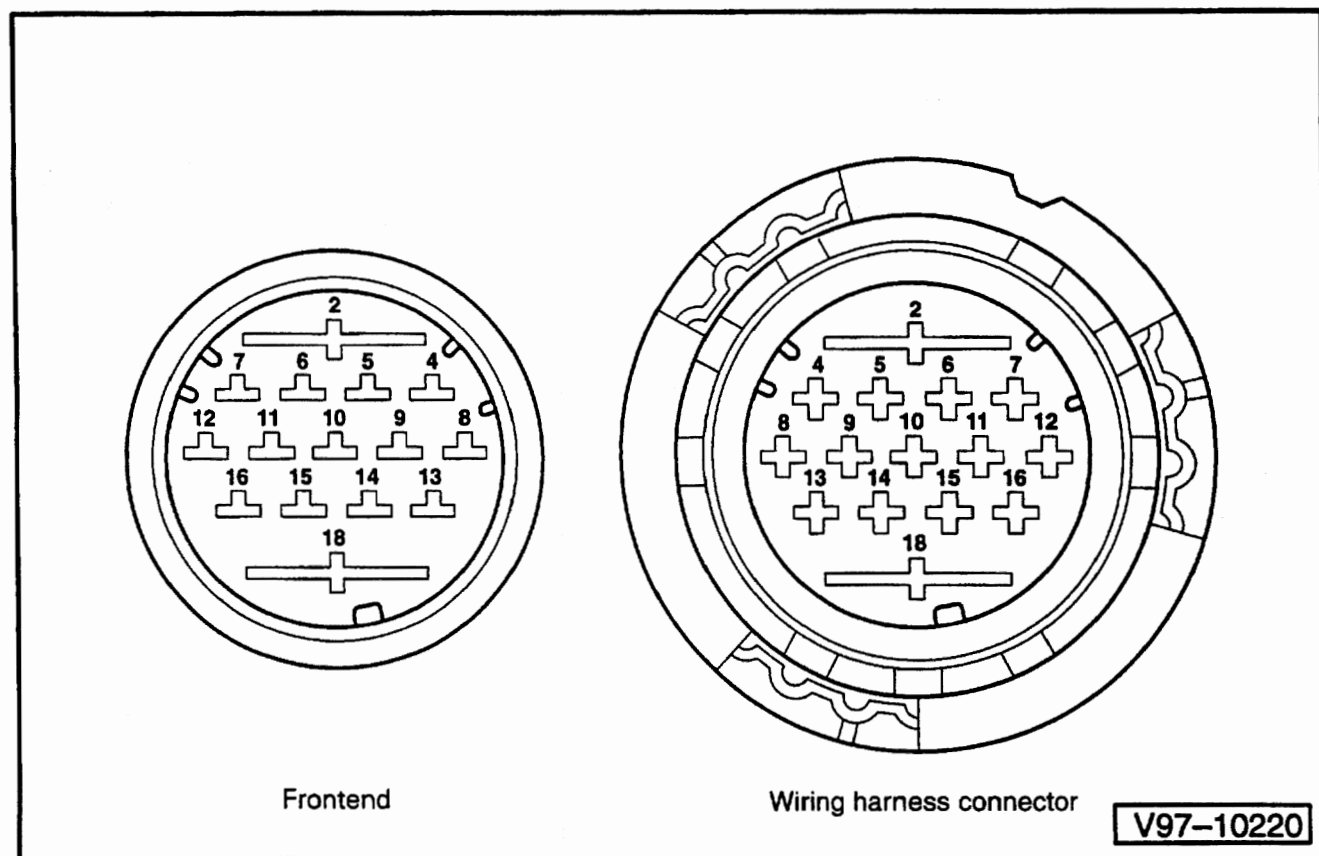
- A - Wiring harness connector
 B - Multi-function switch (F125)



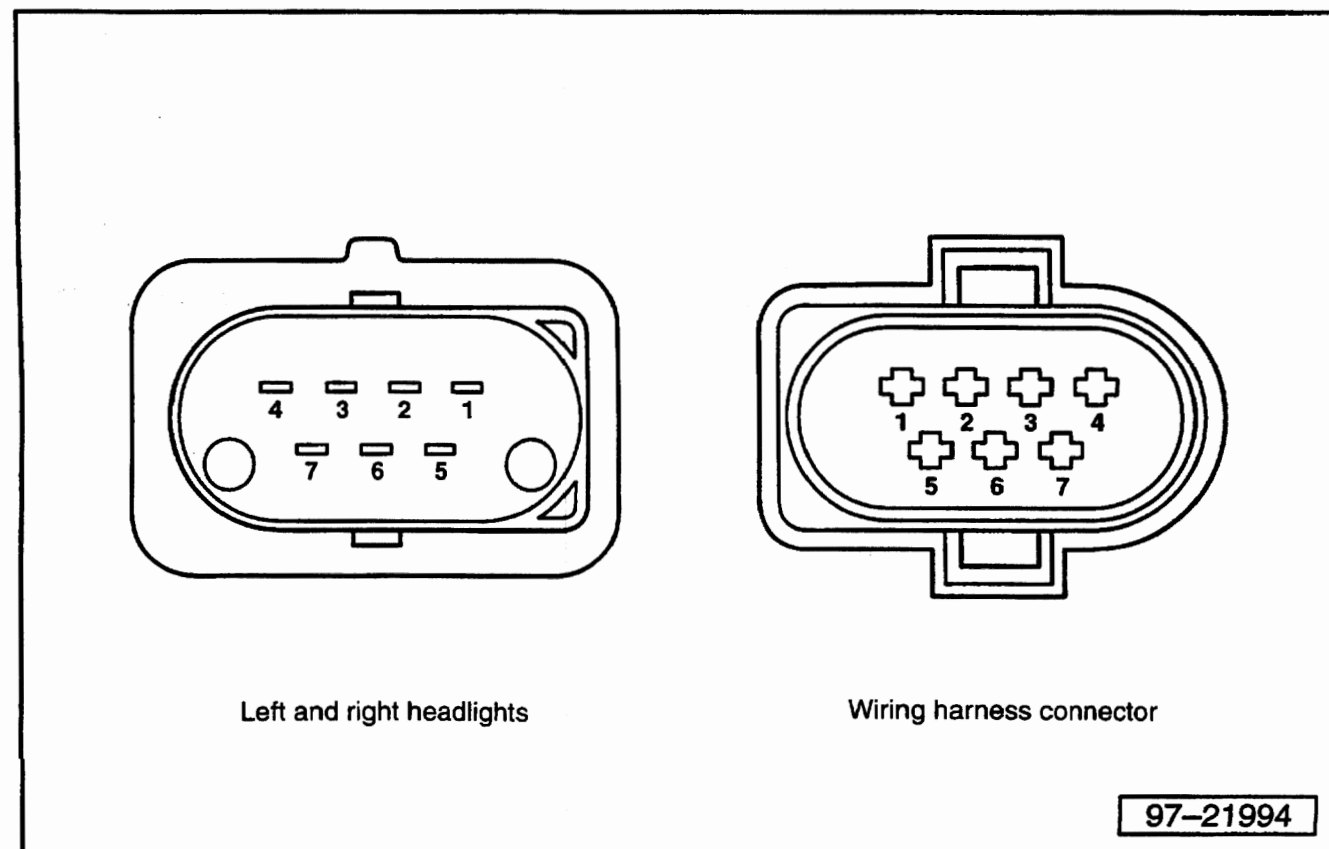
Lamps, lights, switches – exterior

19-pin multi-pin connector

♦ Front lighting



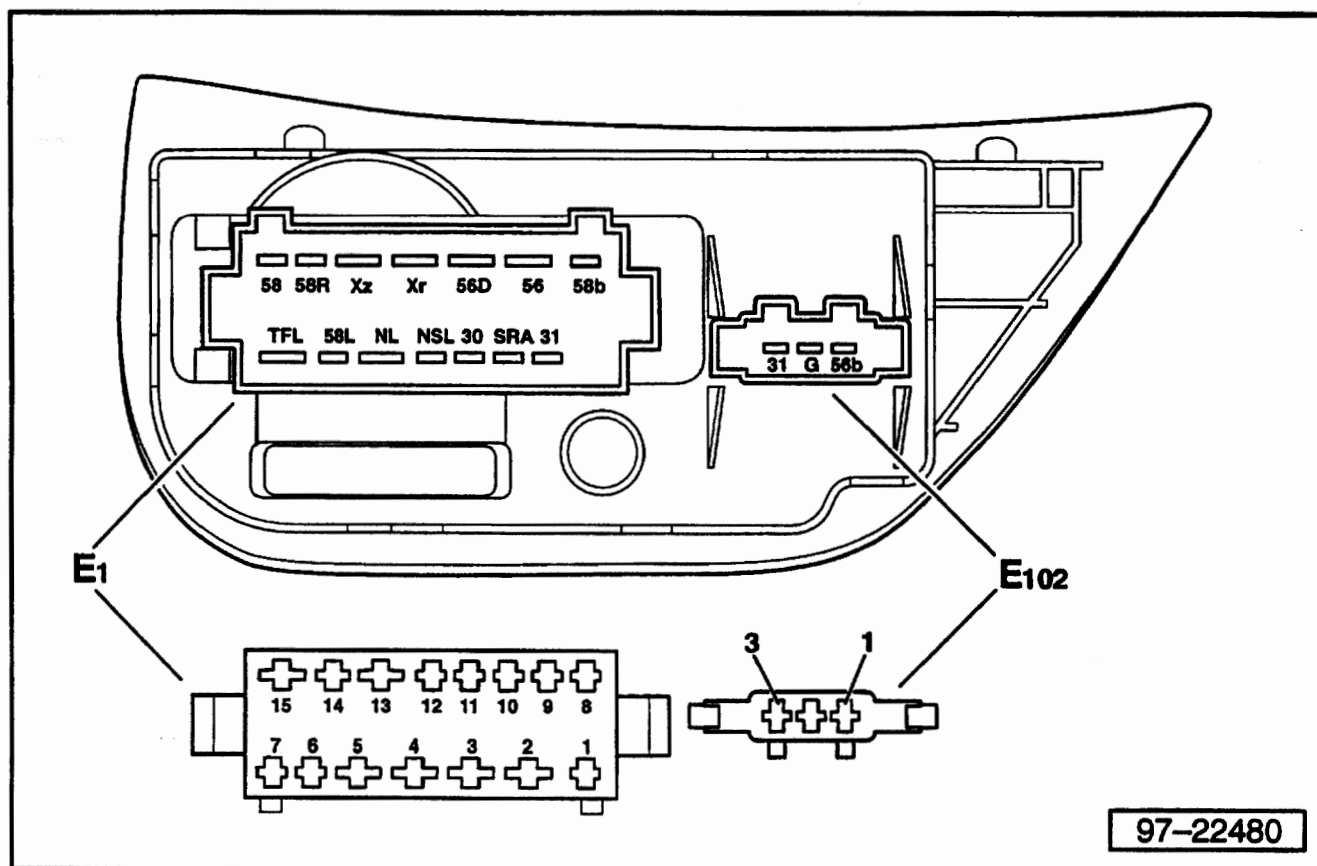
Left and right headlights



Lamps, lights, switches – interior, anti-theft alarm

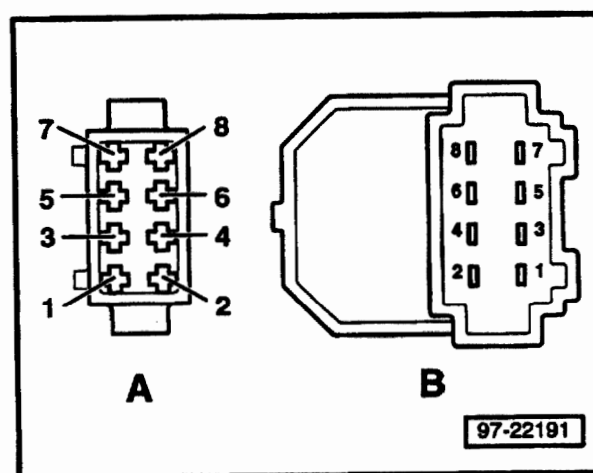
Lighting switch (E1) and headlight range control adjuster (E102)

- ♦ 15-pin connector on lighting switch (E1)
- ♦ 3-pin connector on headlight range control adjuster (E102)



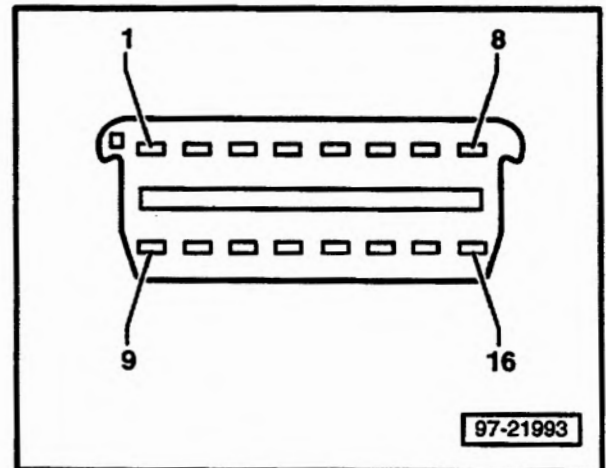
Mirror adjustment switch (E43) and mirror change-over switch (E48)

- A – Wiring harness connector
- B – Mirror adjustment switch (E43) and mirror change-over switch (E48)



Self-diagnosis

16-pin connector

Location: Behind stowage compartment
on drivers side

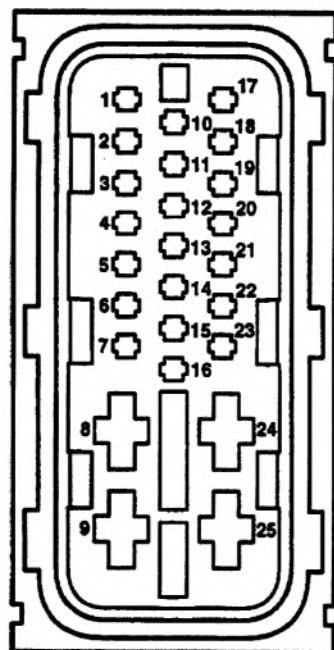
Control units and relays

Contents

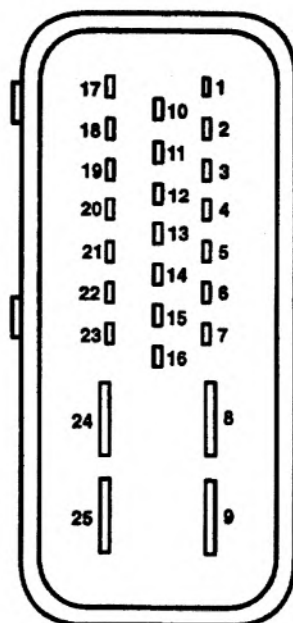
- ABS control unit (25-pin connector)	3/2
- Immobilizer control unit	3/2
- Central locking control unit	3/3

ABS control unit

Location: On left in engine compartment



ABS control unit

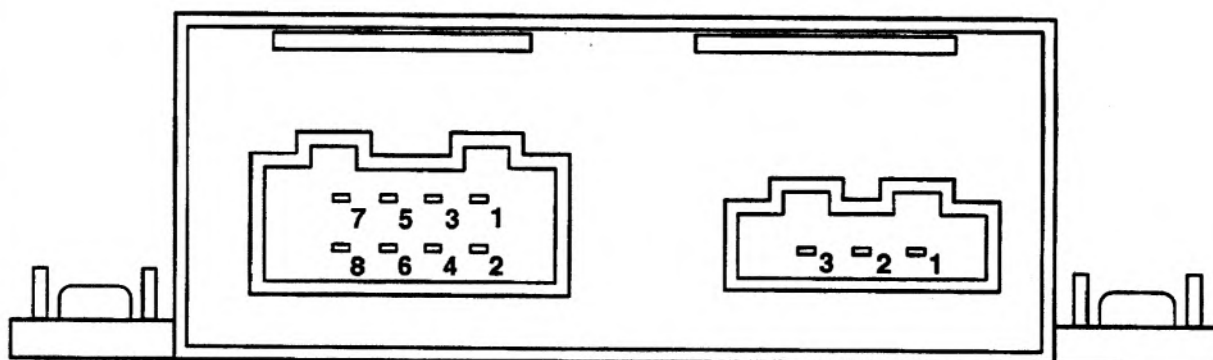


Wiring harness connector

97-21978

Immobilizer control unit

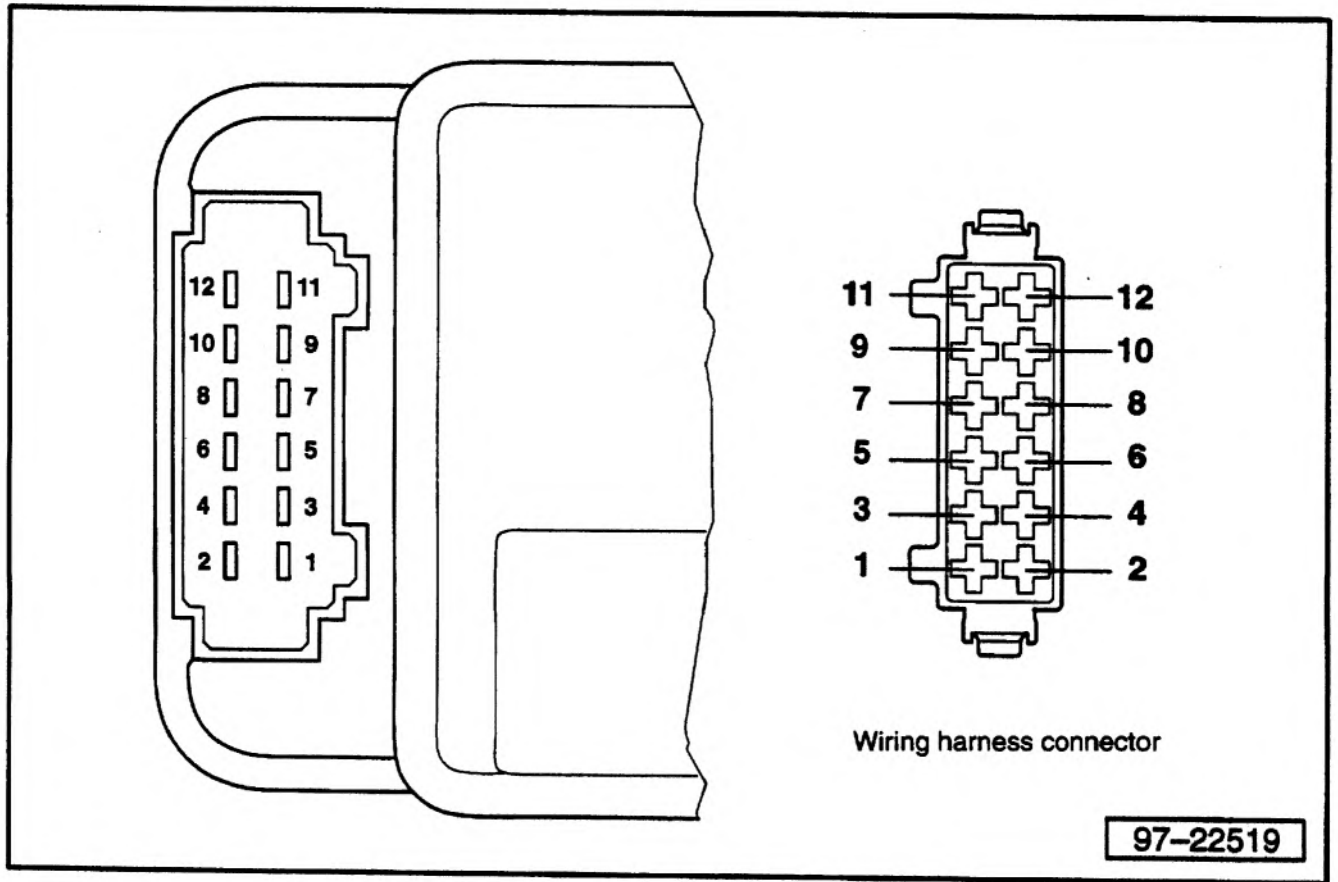
Location: On left behind dash panel



97-22238

Central locking control unit

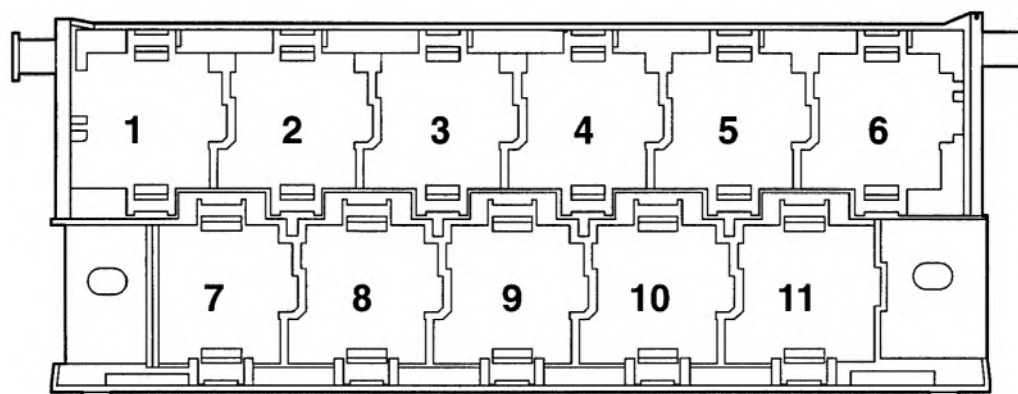
Location: On rear right in luggage compartment



Relay positions and fuse locations (as of October 99)

- Relay positions on relay carrier 4/2
- Fuse locations on fuse holder (on left of dash panel) 4/3
- Fuse locations on battery fuse holder 4/5

Relay positions on relay carrier



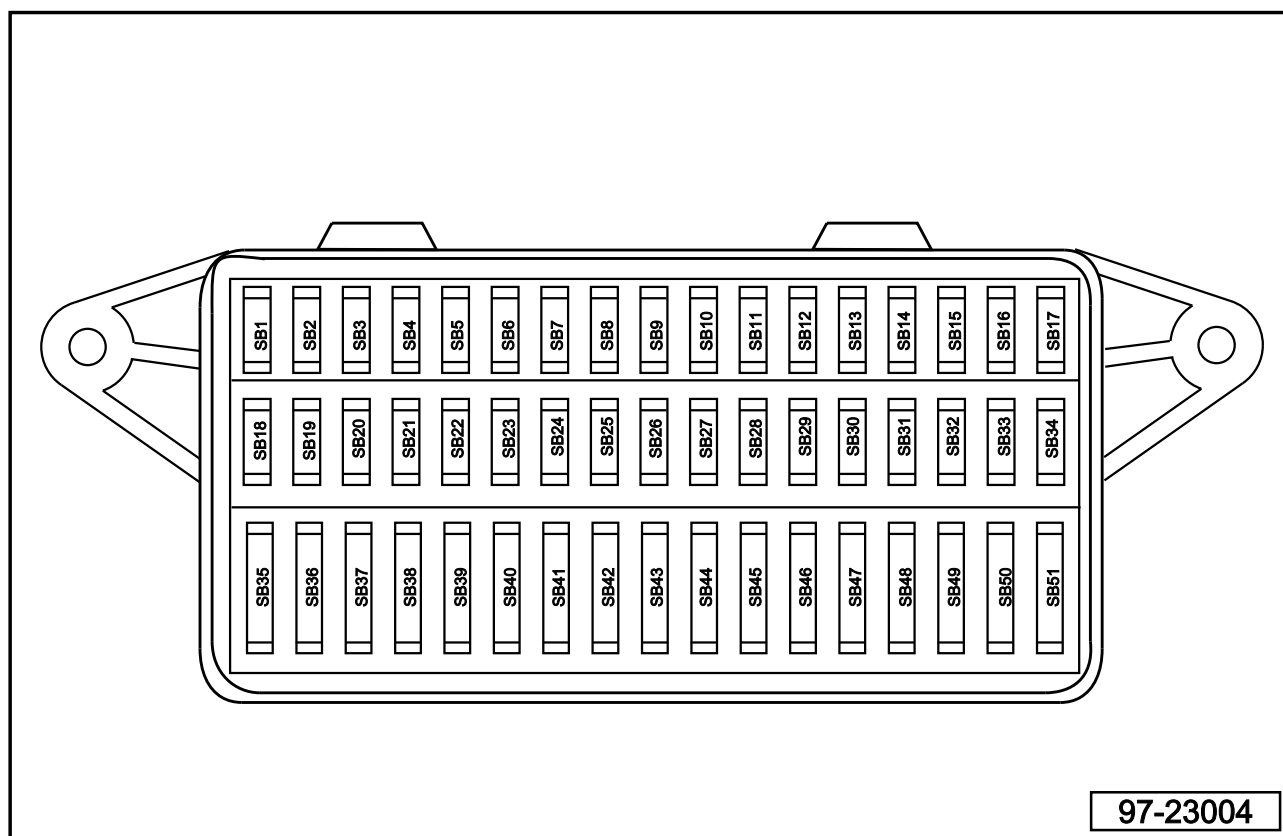
97-23003

Relay positions on relay carrier

- 1** – Fuel pump relay (410) - petrol engines only
Fuel shut-off control unit (405) - diesel engines only
- 2** – Automatic intermittent wash/wipe and rain sensor relay (19)
- 7** – X contact relief relay (100)
- 8** – Heated exterior mirror relay (53)

The connections on the coupling station are listed in the section “Coupling station below relay carrier”.

Position of fuses in fuse box, dash panel, left



Fuses location for optional equipment not listed can also be found in the appropriate current flow diagrams.

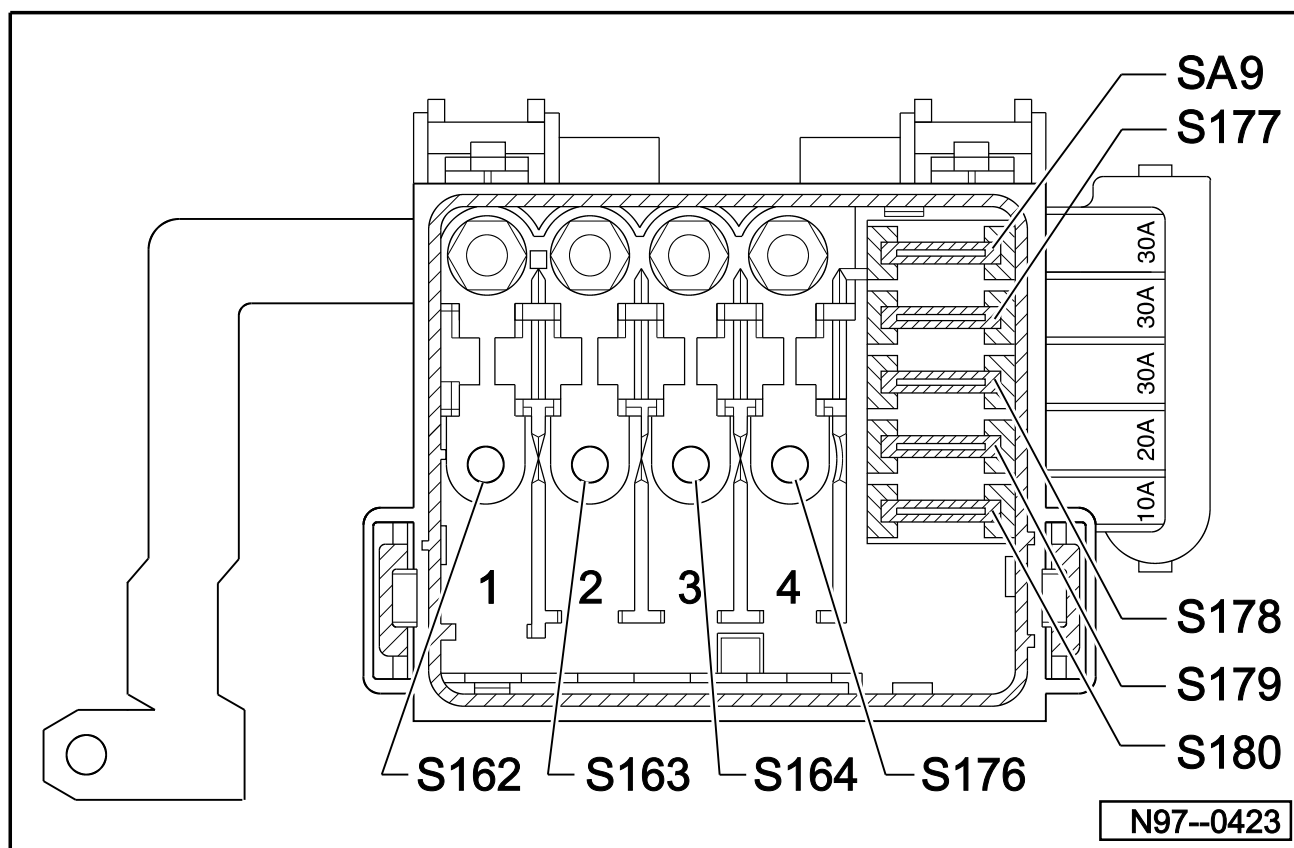
SB1	-	Lambda probe heating, ACF, camshaft variable timing adjuster	10 A	SB15	-	Brake lights	10 A
SB2	-	Number plate lights	5 A	SB16	-	Ignition/starter switch S-contact	5 A
SB3	-	Injectors	10 A	SB17	-	Not used	
SB4	-	Side bulb left	5 A	SB18	-	Mirror heating	5 A
SB5	-	Side light bulb	5 A	SB19	-	Horn	15 A
SB6	-	Rear wiper	15 A	SB20	-	Telephone/preparation for telephone	10 A
SB7	-	Turn signals	7.5 A	SB21	-	Automatic gearbox control unit	5 A
SB8	-	ABS with EDL/ESP	5 A	SB22	-	Anti-theft alarm system horn	15 A
SB9	-	Headlight range control	5 A	SB23	-	EGR, air mass meter, addit. heater relay, glow plug relay	5 A
SB10	-	Interior lighting, glove box, mirror, door entry, luggage compartment light	7.5 A	SB24	-	Clutch pedal switch (diesel), brake light suppression switch (EPC)	5 A
SB11	-	Self-diagnosis connection voltage supply, dash panel insert, Climatronic	5 A	SB25	-	Selector lever switch (AG4)	5 A
SB12	-	Right headlight main beam, main beam warning lamp	10 A	SB26	-	Air conditioner, central locking, electric windows, electric mirrors, navigation	7.5 A
SB13	-	Left main beam headlight	10 A	SB27	-	Dash panel insert	5 A
SB14	-	Hazard warning lights system, anti-theft alarm system	10 A	SB28	-	Speedometer sender, immobilizer	5 A

SB29	-	Reversing lights, washer jet heating, headlight range control motor	7.5 A	SB41	-	Central locking, anti-theft alarm system	15 A
SB30	-	Exhaust gas recirculation valve, activated charcoal filter solenoid, heater pipe	5 A	SB42	-	Radio, navigation	15 A
SB31	-	Fuel shut-off control unit, engine control unit	5 A	SB43	-	Fog light, rear fog light	15 A
SB32	-	Fuel shut-off control unit (diesel)	5 A	SB44	-	Dipped beam, left headlight	15 A
SB33	-	Automatic gearbox selector lever lock	10 A	SB45	-	Dipped beam right headlight	15 A
SB34	-	Ignition transformer	10 A	SB46	-	Cigarette lighter	15 A
SB35	-	Glass sunroof, fabric sunroof	25 A	SB47	-	Headlight washer system	20 A
SB36	-	Engine control unit	15 A	SB48	-	Heated rear window	20 A
SB37	-	Engine control unit	15 A	SB49	-	Fresh air blower	25 A
SB38	-	Driver's door power window	25 A	SB50	-	Windscreen wiper system, windscreen washer pump	15 A
SB39	-	Front passenger's power window	25 A	SB51	-	Seat heating	15 A
SB40	-	Fuel pump	15 A				

Fuse colours

30 A	-	green
25 A	-	white
20 A	-	yellow
15 A	-	blue
10 A	-	red
7.5 A	-	brown
5 A	-	beige
3 A	-	purple

Fuse positions on battery fuse holder



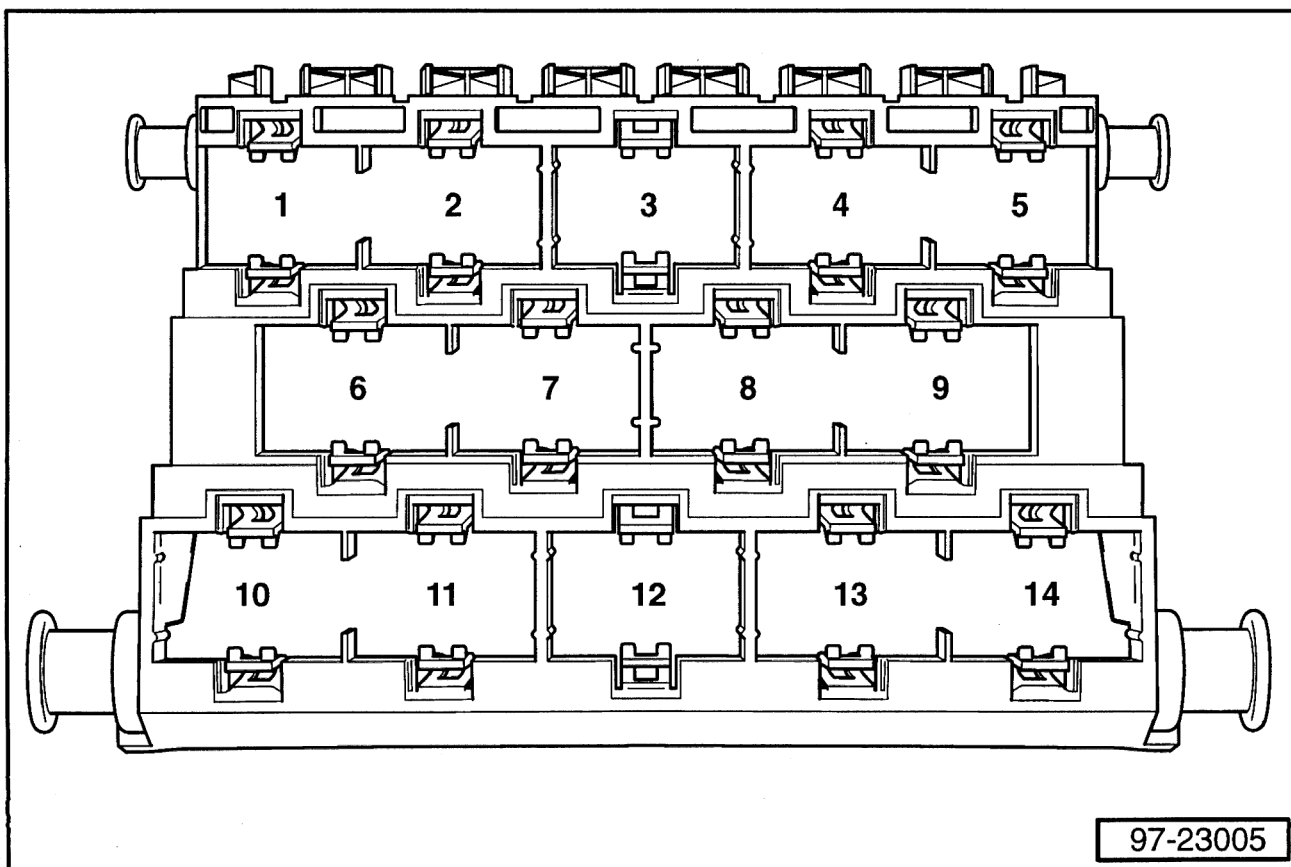
S162 - Fuse -1- (30)	Alternator	110 A
S163 - Fuse -2- (30)	Relay carrier	80 A
S164 - Fuse -3- (30)	Glow plugs (engine)	50 A
S176 - Fuse -4- (30)	Glow plugs (radiator fan)	50 A
	Air conditioning system	30 A
S177 - Fuse -5- (30)	ABS control unit	30 A
S178 - Fuse -6- (30)	ABS control unit	30 A
S179 - Fuse -7- (30)	Radiator fan	20 A
S180 - Fuse -8- (30)	Air conditioning system	10 A
SA9 - Fuse -9- (30)	Air conditioner - glow plugs (diesel)	30 A

Coupling stations for wiring harnesses (as of October 99)

Contents

– Coupling station below relay carrier	5/2
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Coupling station below relay carrier



Pos.	Function	Connector designation	Connector colour
1	- Central locking, anti-theft alarm system	T10e	Light pink
2	- Left turn signals, left lights, self-diagnosis, headlight range control	T10c	Blue
3	- Immobilizer, ABS, wipers	T10a	Green
4	- Alternator warning lamp, reversing lamp, left dipped beam	T10d	Red
5	- ACF/EGR, brake lights, horn	T10	White
6	- CD changer	T10y	Violet
7	- ESP	T10h	Orange
8	- Air conditioner compressor, engine control unit	T10g	Brown
9	- Washer pump, right turn signal, right dipped beam	T10b	Black
13	- Can bus, oil temperature	T10s	Light green
14	- Fuel pump (crash) relay	T10x	Yellow