

## Standard Equipment

from model year 2007

### Note:

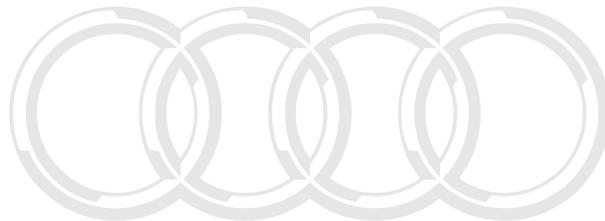
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



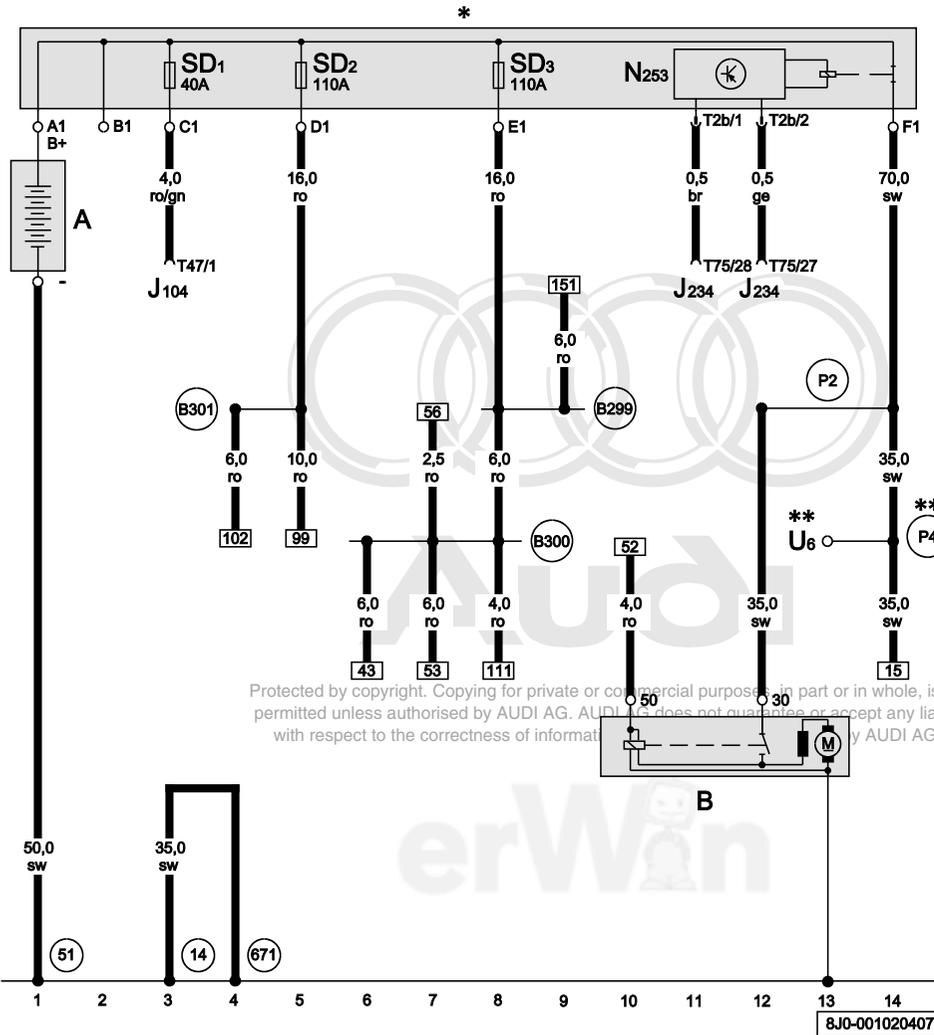
# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Battery, Starter, Battery Interrupt Igniter, Main Fuse Panel, in right rear luggage compartment on battery

- A Battery
- B Starter
- J104 ABS Control Module
- J234 Airbag Control Module
- N253 Battery Interrupt Igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double Connector, purple, on battery interrupt igniter
- T47 47-Pin Connector, on ABS control module
- T75 75-Pin Connector, on airbag control module
- U6 Battery Jump Start Terminal



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information published by AUDI AG.

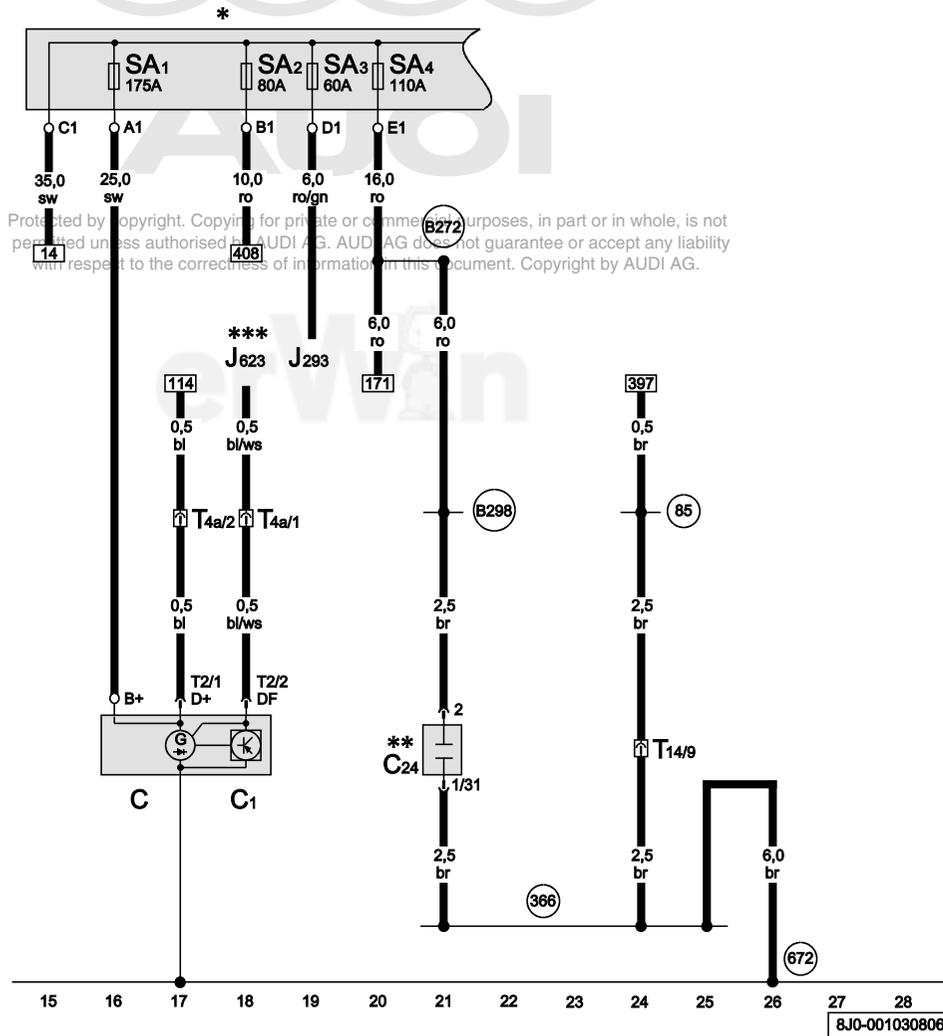
- 14 Ground Connection on transmission
- 51 Ground Connection (in luggage compartment, right)
- 671 Ground Connection 1 (on left front long member)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- P2 Plus Connection (30) (in battery wiring harness)
- P4 Plus Connection 2 (30) (in battery wiring harness)

\* Main fuse panel, in right rear luggage compartment on battery  
 \*\* Models with battery jump start terminal

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

Generator (GEN), Suppressor, Main Fuse Panel Electronics Box, in engine compartment

- C Generator (GEN)
- C1 Voltage Regulator (VR)
- C24 Suppressor
- J293 Coolant Fan Control (FC) Control Module
- J623 Engine Control Module (ECM)
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- T2 Double Connector, purple, on generator
- T4a 4-Pin Connector, black, in engine compartment, front left
- T14 14-Pin Connector, black, in left front engine compartment
- 85 Ground Connection 1 (in engine compartment wiring harness)
- 366 Ground Connection 1 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B272 Plus Connection (30) (in main wiring harness)
- B298 Plus Connection 2 (30) (in main wiring harness)
- \* Main fuse panel electronics box, in front left engine compartment
- \*\* Relay and fuse carrier in electronics box engine compartment
- \*\*\* ⇒ Wiring Diagram engine

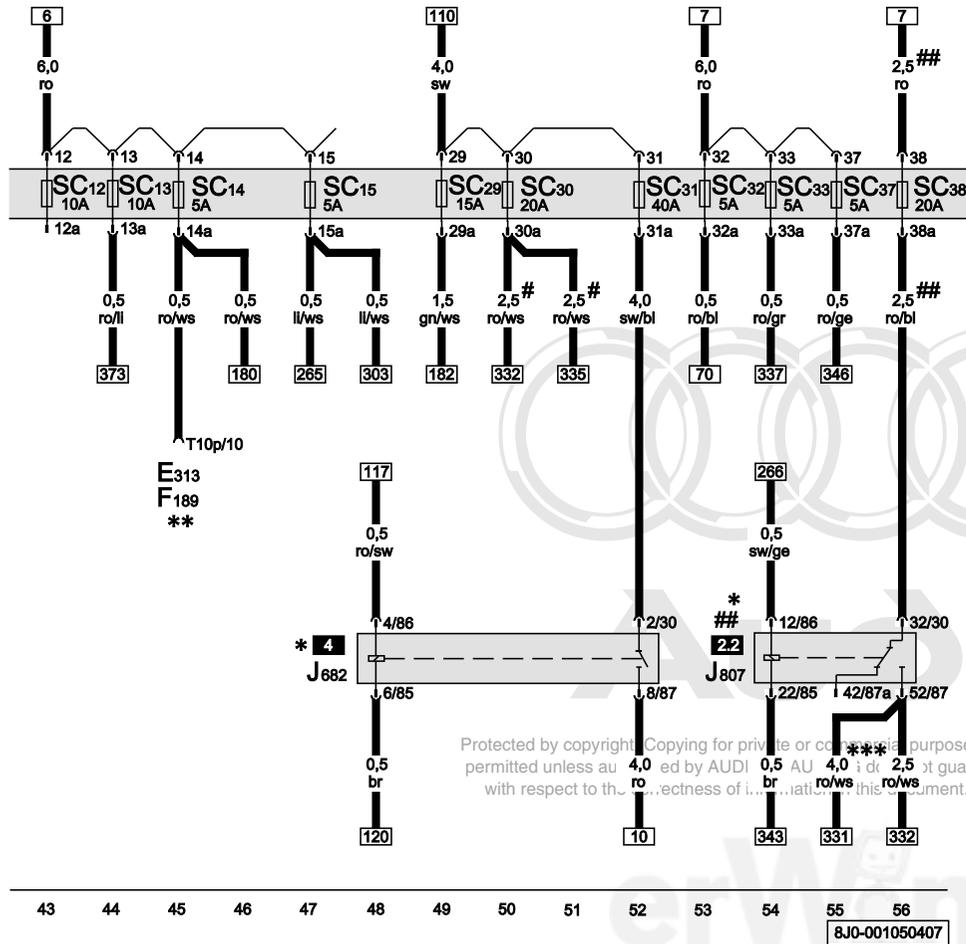
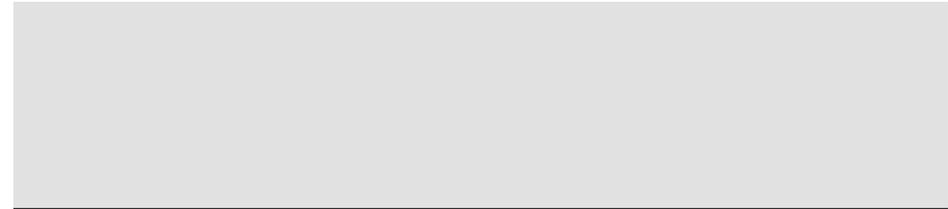


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



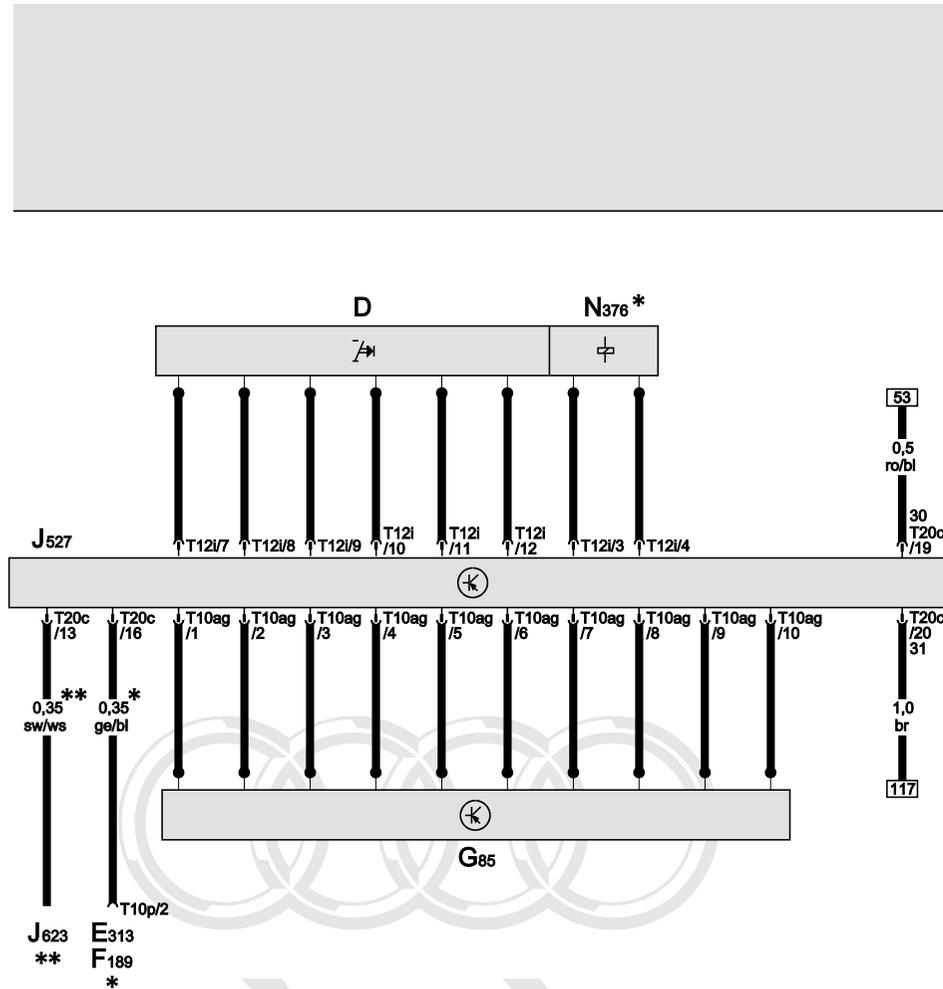
Power Supply Relay (terminal 50), Sockets Relay, Fuses

- E313 Selector Lever
- F189 Tiptronic Switch
- J682 Power Supply Relay (terminal 50)
- J807 Sockets Relay
- SC12 Fuse 12 (on fuse panel C)
- SC13 Fuse 13 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- SC15 Fuse 15 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC30 Fuse 30 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- SC32 Fuse 32 (on fuse panel C)
- SC33 Fuse 33 (on fuse panel C)
- SC37 Fuse 37 (on fuse panel C)
- SC38 Fuse 38 (on fuse panel C)
- T10p 10-Pin Connector, on Tiptronic switch
- \* Relay panel under instrument panel, left
- \*\* Models with direct shift gearbox 02E
- \*\*\* Only USA
- # Through May 2007
- ## from June 2007



Steering Column Electronic Systems Control Module, Ignition/Starter Switch, Steering Angle Sensor, Ignition Switch Key Lock Solenoid

- D Ignition/Starter Switch
- E313 Selector Lever
- F189 Tiptronic Switch
- G85 Steering Angle Sensor
- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- N376 Ignition Switch Key Lock Solenoid
- T10p 10-Pin Connector, on Tiptronic switch
- T10ag 10-Pin Connector, on steering column electronic systems control module
- T12i 12-Pin Connector, on steering column electronic systems control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- \* Models with direct shift gearbox 02E
- \*\* ⇒ Wiring Diagram engine

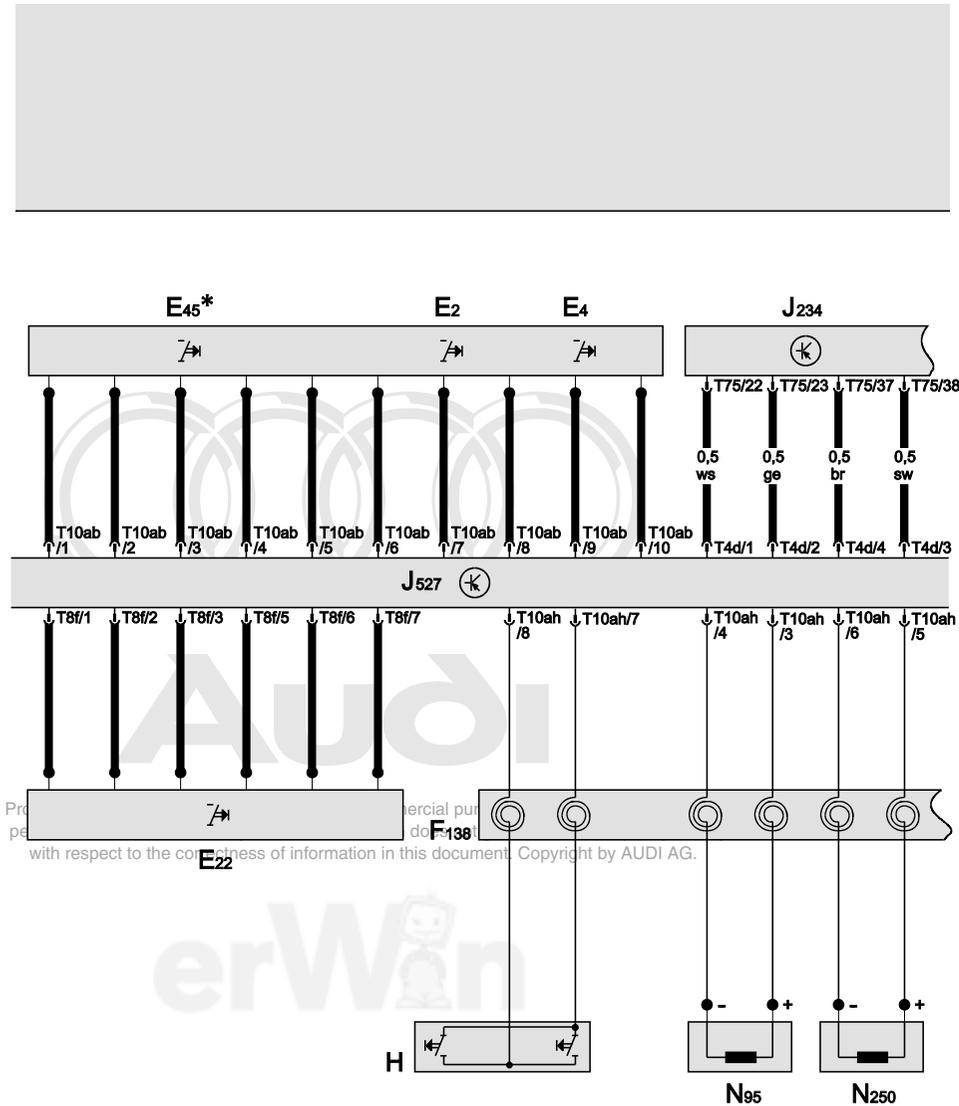


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Steering Column Electronic Systems Control Module, Turn Signal Switch, Headlamp Dimmer/Flasher Switch, Windshield Wiper/Washer Switch, Cruise Control Switch, Signal Horn Activation

- E2 Turn Signal Switch
- E4 Headlamp Dimmer/Flasher Switch
- E22 Windshield Wiper Intermittent Switch
- E45 Cruise Control Switch
- F138 Airbag Spiral Spring/Return Spring With Slip Ring
- H Signal Horn Activation
- J234 Airbag Control Module
- J527 Steering Column Electronic Systems Control Module
- N95 Driver's Airbag Igniter
- N250 Driver's Airbag Igniter 2
- T4d 4-Pin Connector, yellow, on steering column electronic systems control module
- T8f 8-Pin Connector, on steering column electronic systems control module
- T10ab 10-Pin Connector, on steering column electronic systems control module
- T10ah 10-Pin Connector, on steering column electronic systems control module
- T75 75-Pin Connector, yellow, on airbag control module
- \* Models with cruise control system



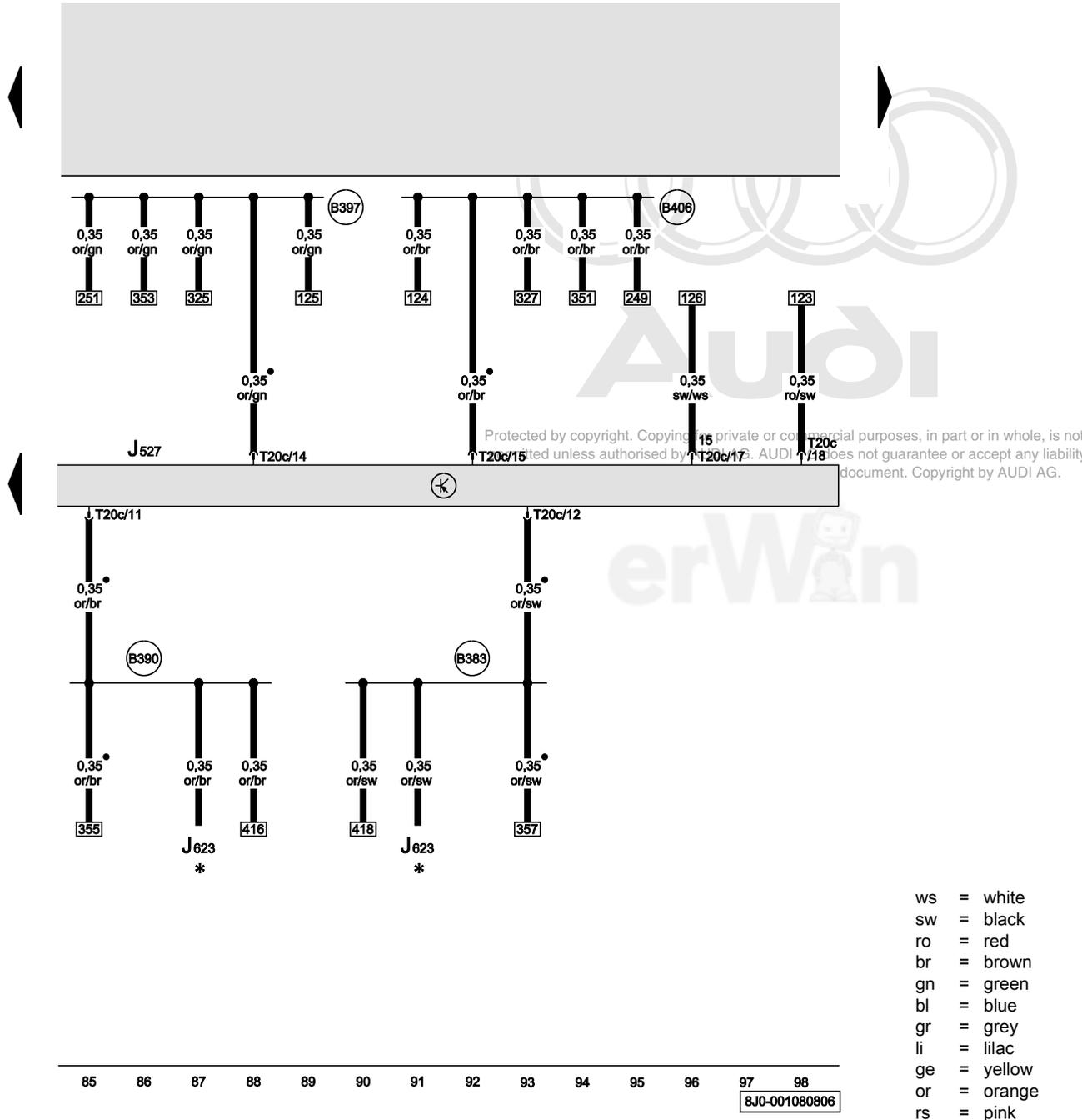
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Steering Column Electronic Systems Control Module, CAN-Bus Wiring

- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- (B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)

- CAN-Bus (data wire)
- \* ⇒ Wiring Diagram engine



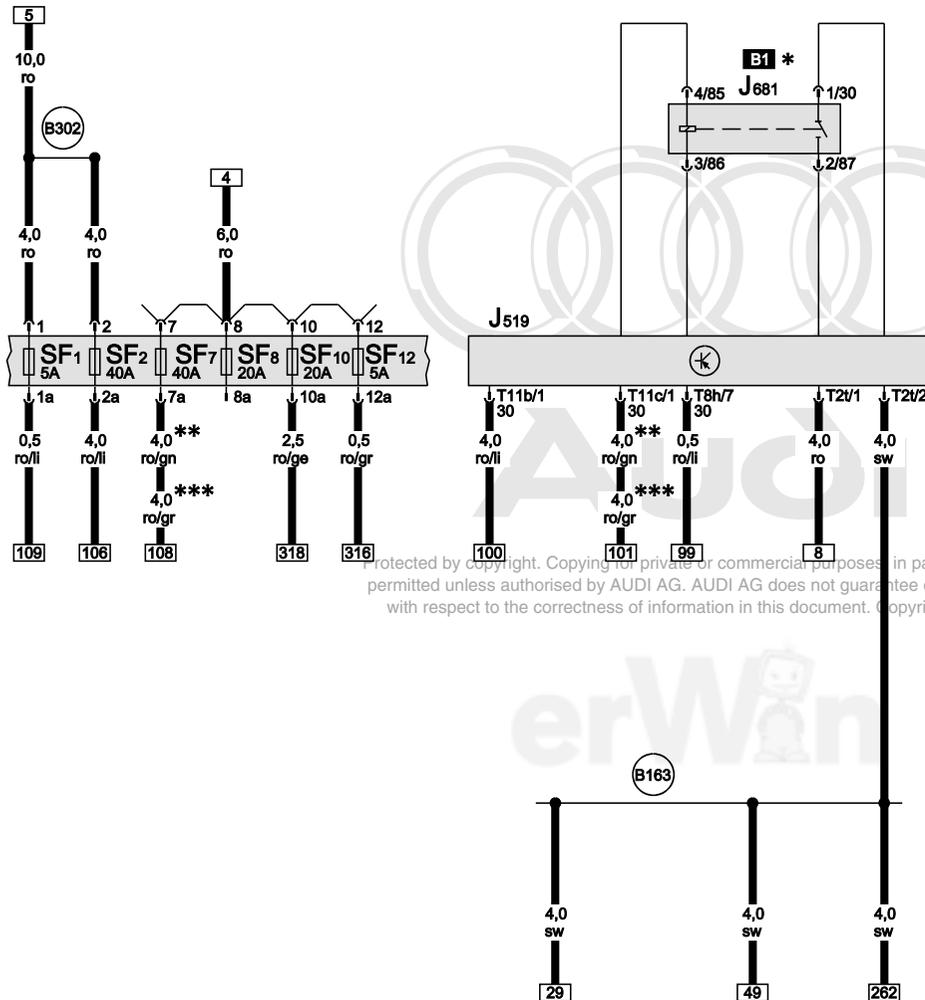
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module

- B163 Plus Connection 1 (15) (in interior wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)

- \* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- \*\* Coupè
- \*\*\* Roadster

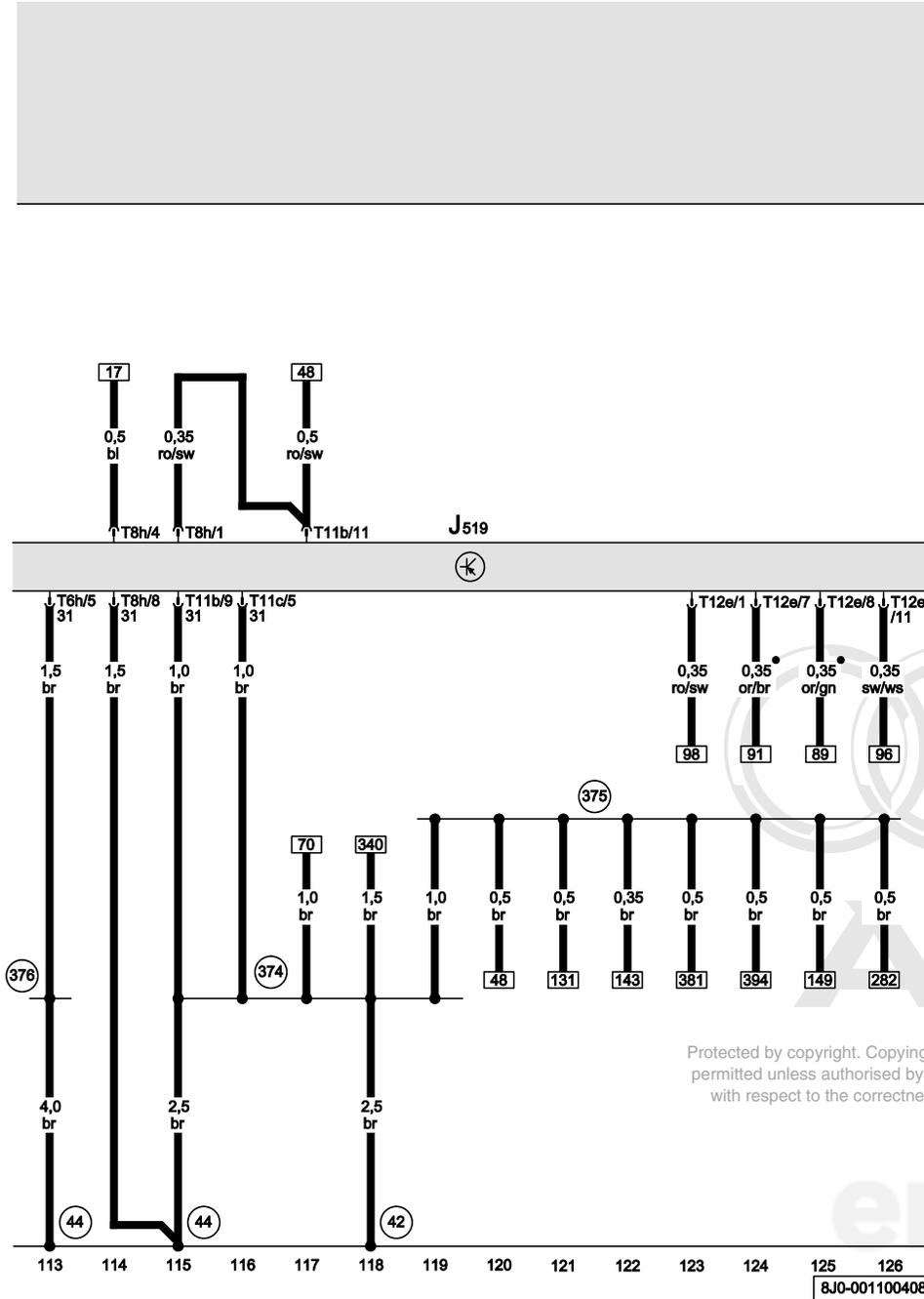


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module

- J519 Vehicle Electrical System Control Module
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module

- 42 Ground Connection (beside steering column)
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 376 Ground Connection 11 (in main wiring harness)
- CAN-Bus (data wire)



Protected by copyright. Copying for private use or for internal or external promotional purposes, in part or in whole, is not permitted unless authorised by AUDI AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



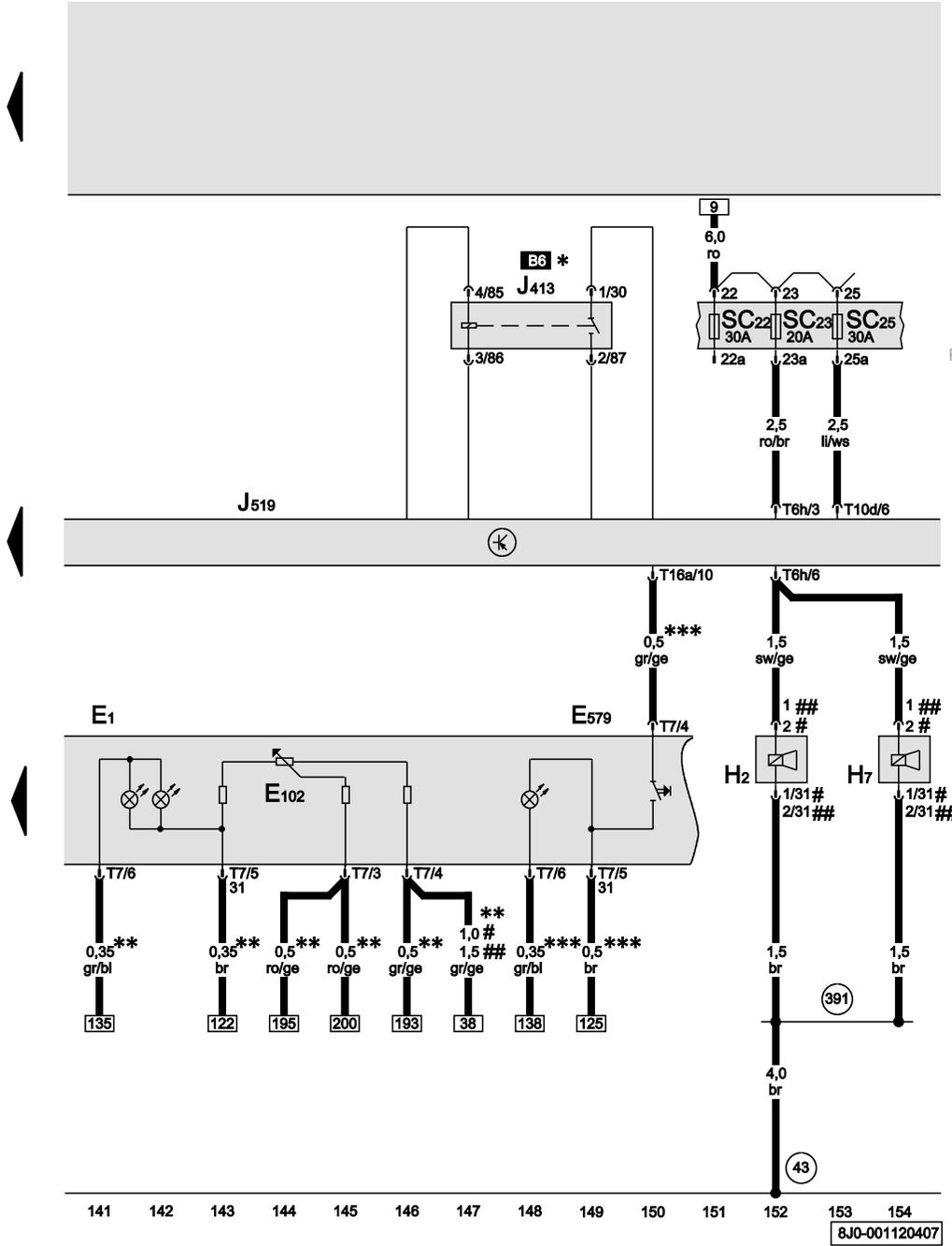
Vehicle Electrical System Control Module, Horn Relay, Light Switch, Headlamp Adjuster, High Tone Horn, Low Tone Horn, Daytime Running Lamps Disable Switch

- E1 Light Switch
- E102 Headlamp Adjuster
- E579 Daytime Running Lamps Disable Switch
- H2 High Tone Horn
- H7 Low Tone Horn
- J413 Horn Relay
- J519 Vehicle Electrical System Control Module
- SC22 Fuse 22 (on fuse panel C)
- SC23 Fuse 23 (on fuse panel C)
- SC25 Fuse 25 (on fuse panel C)
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T7 7-Pin Connector, black (Connector B), on light switch
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module

Protected by copyright. Copying for private or commercial use, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document.

- 43 Ground Connection (on right lower A-pillar)
- 391 Ground Connection 26 (in main wiring harness)
- \* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- \*\* Models with manual headlamp range control
- \*\*\* Models with daytime running lights
- # Through May 2007
- ## from June 2007

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

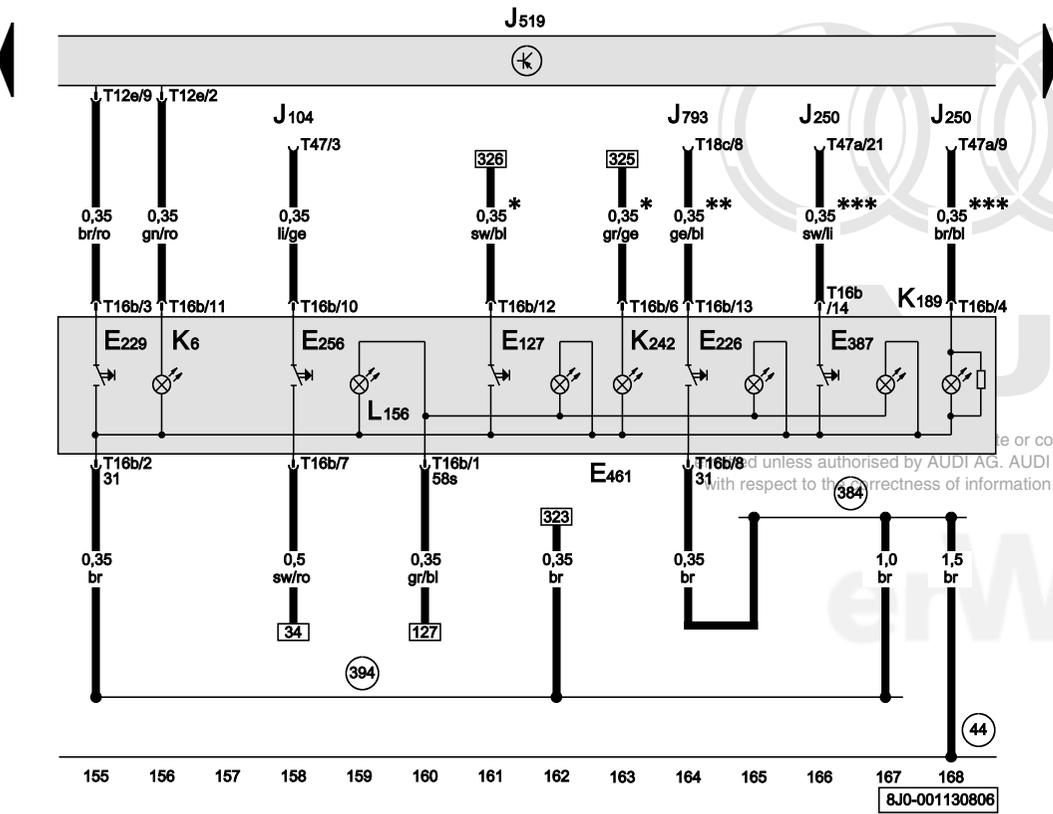


8J0-001120407

Vehicle Electrical System Control Module, Front/Center Console Control Head

- E127 Rear Spoiler Switch
- E226 Tire Pressure Monitoring Button
- E229 Emergency Flasher Button
- E256 ASR/ESP Button
- E387 Dampening Adjustment Button
- E461 Front/Center Console Control Head
- J104 ABS Control Module
- J250 Electronic Damping Control Module
- J519 Vehicle Electrical System Control Module
- J793 Tire Pressure Monitoring Control Module 2
- K6 Emergency Flasher Indicator Lamp
- K189 Dampening Adjustment Indicator Lamp
- K242 Rear Spoiler Adjustment Indicator Lamp
- L156 Switch Illumination Lamp
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T16b 16-Pin Connector, brown, on center console switch module
- T18c 18-Pin Connector, black, on tire pressure monitoring control module 2
- T47 47-Pin Connector, on ABS control module
- T47a 47-Pin Connector, on electronic damping control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- 394 Ground Connection 29 (in main wiring harness)



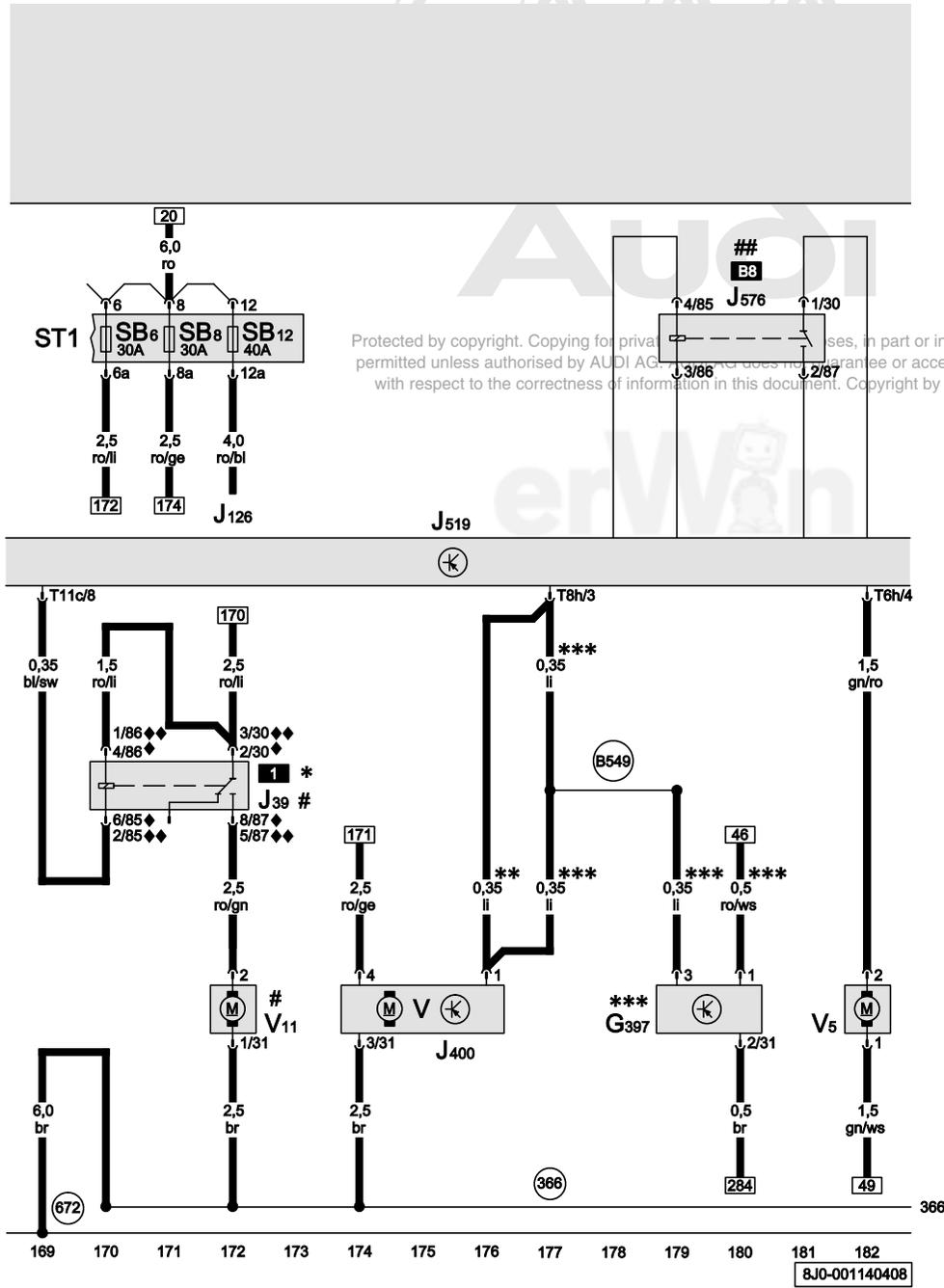
... or commercial purposes, in part or in whole, is not permitted without the prior written permission of Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by Audi AG.

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

Vehicle Electrical System Control Module, Headlamp Washer Relay, Wiper Motor Control Module, Rain/Light Recognition Sensor

- G397 Rain/Light Recognition Sensor
- J39 Headlamp Washer Relay
- J126 Fresh Air Blower Control Module
- J400 Wiper Motor Control Module
- J519 Vehicle Electrical System Control Module
- J576 Windshield Washer Pump Relay
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- V Windshield Wiper Motor
- V5 Windshield Washer Pump
- V11 Headlamp Washer Pump

- 366 Ground Connection 1 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B549 LIN-Bus Connection 2 (in main wiring harness)
- \* Relay and fuse carrier in electronics box engine compartment
- \*\* Models without rain/light recognition sensor
- \*\*\* Models with rain/light recognition sensor
- # Models with headlamp washer
- ## Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- ◆ Through May 2008
- ◆◆ from June 2008



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

8J0-001140408

Vehicle Electrical System Control Module, Left Front Fog Lamp, Left Parking Lamp, Left Front Turn Signal Lamp, Left Headlamp Beam Adjustment Motor, Left Low Beam Lamp, Left High Beam Lamp

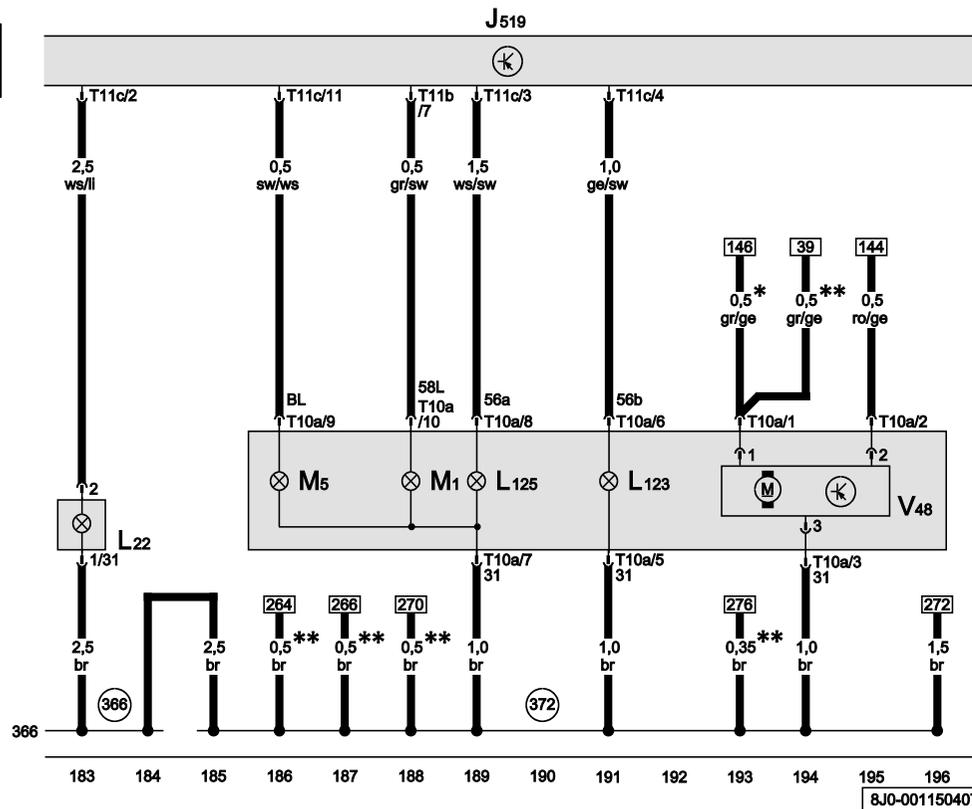
- J519 Vehicle Electrical System Control Module
- L22 Left Front Fog Lamp
- L123 Left Low Beam Lamp
- L125 Left High Beam Lamp
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- T10a 10-Pin Connector, on left headlamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- V48 Left Headlamp Beam Adjustment Motor

366 Ground Connection 1 (in main wiring harness)

372 Ground Connection 7 (in main wiring harness)

\* Through May 2007  
\*\* from June 2007

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



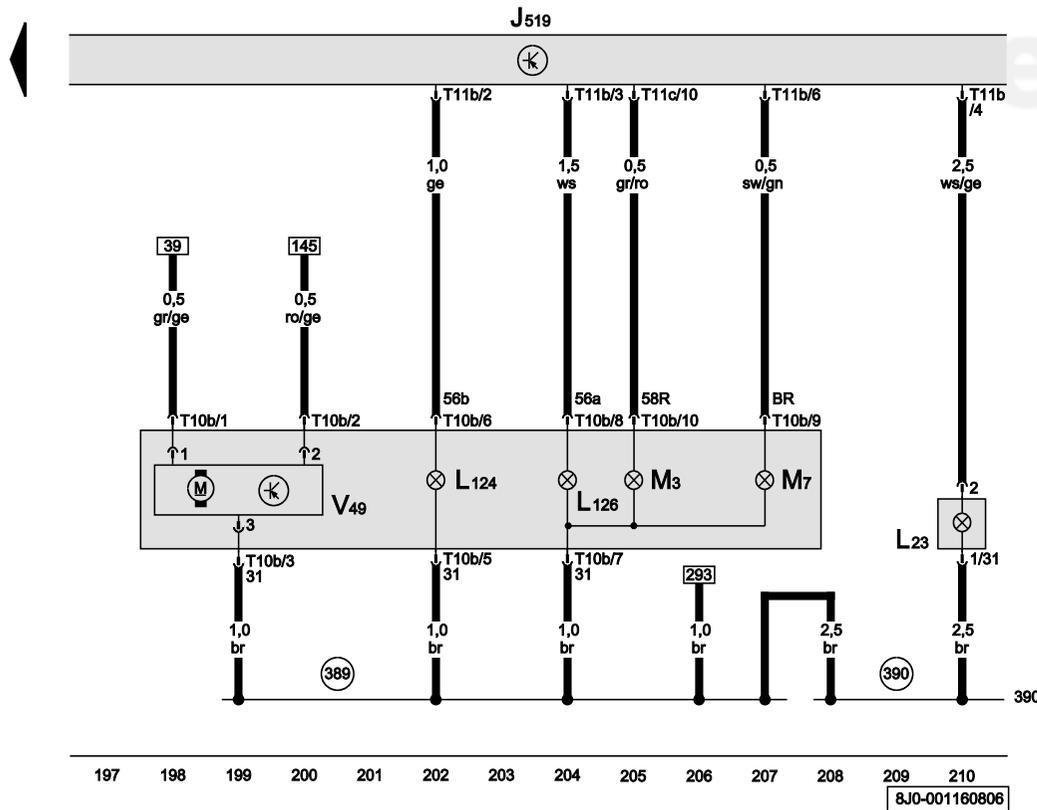
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Right Front Fog Lamp, Right Parking Lamp, Right Front Turn Signal Lamp, Right Headlamp Beam Adjustment Motor, Right Low Beam Lamp, Right High Beam Lamp

- J519 Vehicle Electrical System Control Module
- L23 Right Front Fog Lamp
- L124 Right Low Beam Lamp
- L126 Right High Beam Lamp
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- T10b 10-Pin Connector, on right headlamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- V49 Right Headlamp Beam Adjustment Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)



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

197 198 199 200 201 202 203 204 205 206 207 208 209 210

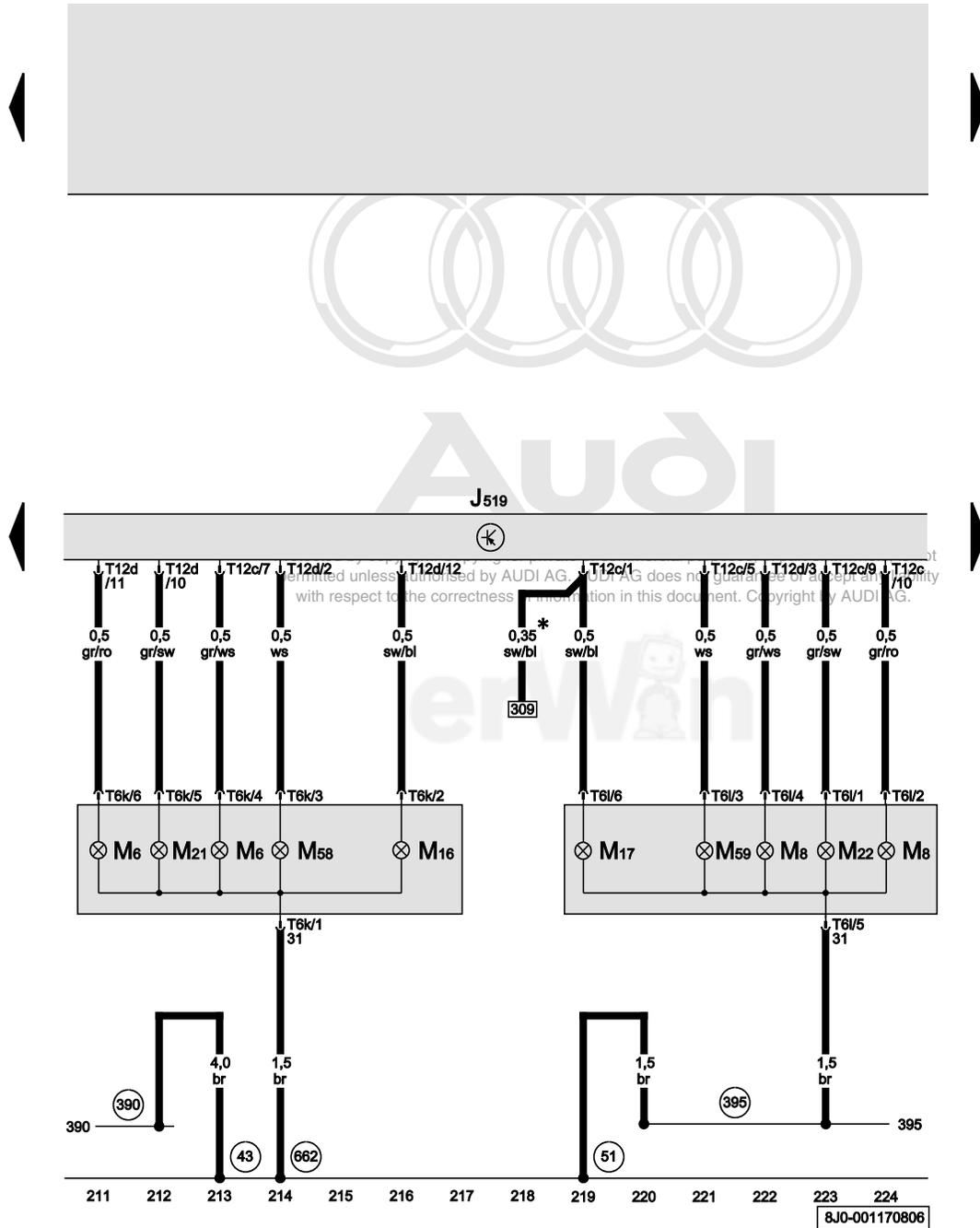
8J0-001160806

Vehicle Electrical System Control Module, Left and Right Rear Taillamp

- J519 Vehicle Electrical System Control Module
- M6 Left Rear Turn Signal Lamp
- M8 Right Rear Turn Signal Lamp
- M16 Left Back-Up Lamp
- M17 Right Back-Up Lamp
- M21 Left Brake/Taillamp
- M22 Right Brake/Taillamp
- M58 Left Brake/Taillamp 2
- M59 Right Brake/Taillamp 2
- T6k 6-Pin Connector, black, on left rear taillamp
- T6l 6-Pin Connector, black, on right rear taillamp
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module

- 43 Ground Connection (on right lower A-pillar)
- 51 Ground Connection (in luggage compartment, right)
- 390 Ground Connection 25 (in main wiring harness)
- 395 Ground Connection 30 (in main wiring harness)
- 662 Ground Connection (on left rear side panel)
- \* Models with automatic day/night interior mirror

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

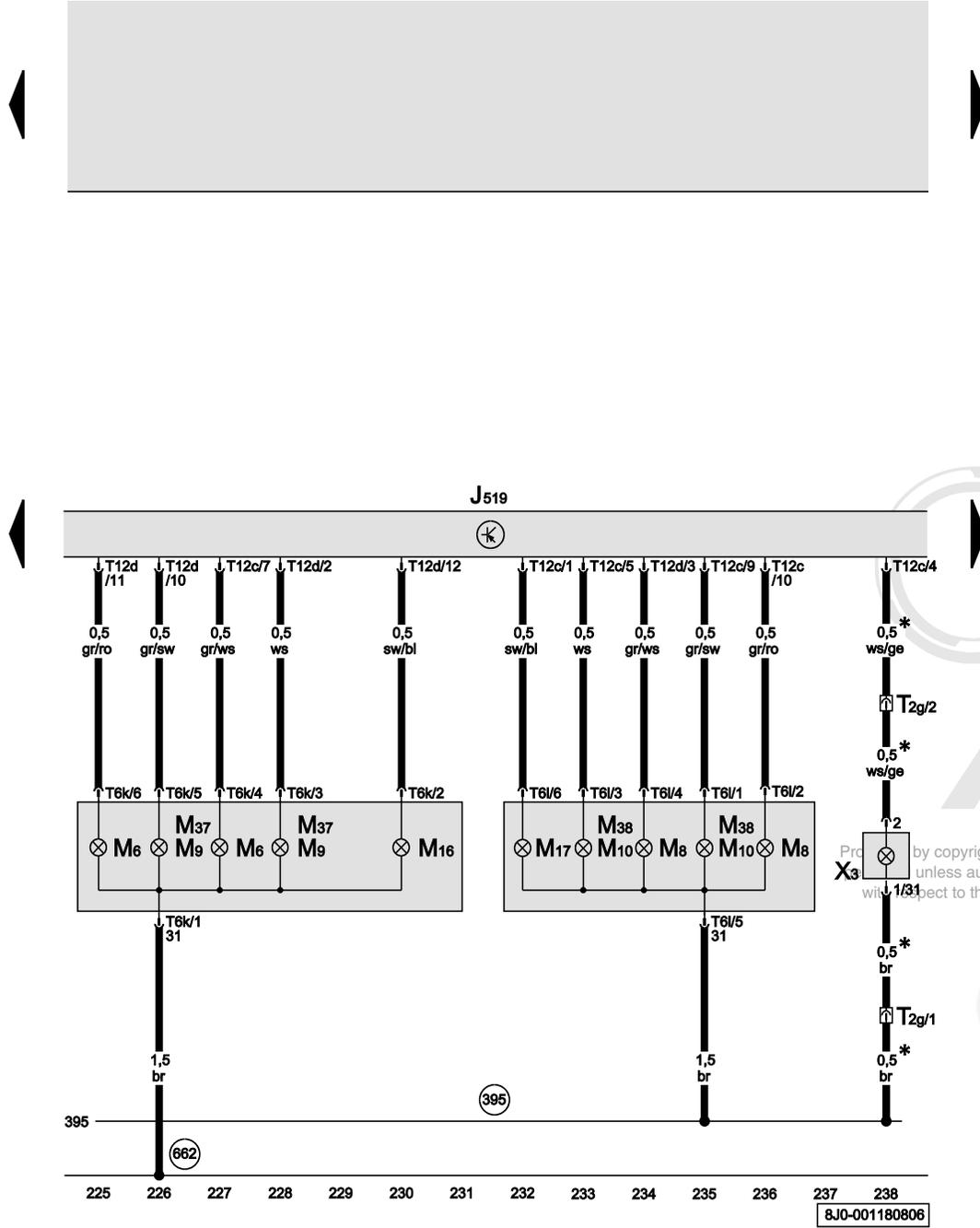


8J0-001170806

Vehicle Electrical System Control Module, Rear Fog Lamp, Left and Right Rear Taillamp (USA)

- J519 Vehicle Electrical System Control Module
- M6 Left Rear Turn Signal Lamp
- M8 Right Rear Turn Signal Lamp
- M9 Left Brake Lamp
- M10 Right Brake Lamp
- M16 Left Back-Up Lamp
- M17 Right Back-Up Lamp
- M37 Left Rear Side Marker Lamp
- M38 Right Rear Side Marker Lamp
- T2g Double Connector, black, in right luggage compartment
- T6k 6-Pin Connector, black, on left rear taillamp
- T6l 6-Pin Connector, black, on right rear taillamp
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module
- X3 Rear Fog Lamp

- 395 Ground Connection 30 (in main wiring harness)
- 662 Ground Connection (on left rear side panel)
- \* Not for USA



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

8J0-001180806

Vehicle Electrical System Control Module, Heated Rear Window Button, High-mount Brake Light, Left and Right License Plate Light

- E230 Heated Rear Window Button
- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- M25 High-mount Brake Light
- T8e 8-Pin Connector, brown, in left side panel, rear lid
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- X4 Left License Plate Light
- X5 Right License Plate Light

53 Ground Connection (in rear lid, right)

98 Ground Connection (in rear lid wiring harness)

218 Ground Connection 1 (in rear lid wiring harness)

662 Ground Connection (on left rear side panel)

B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)

B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)

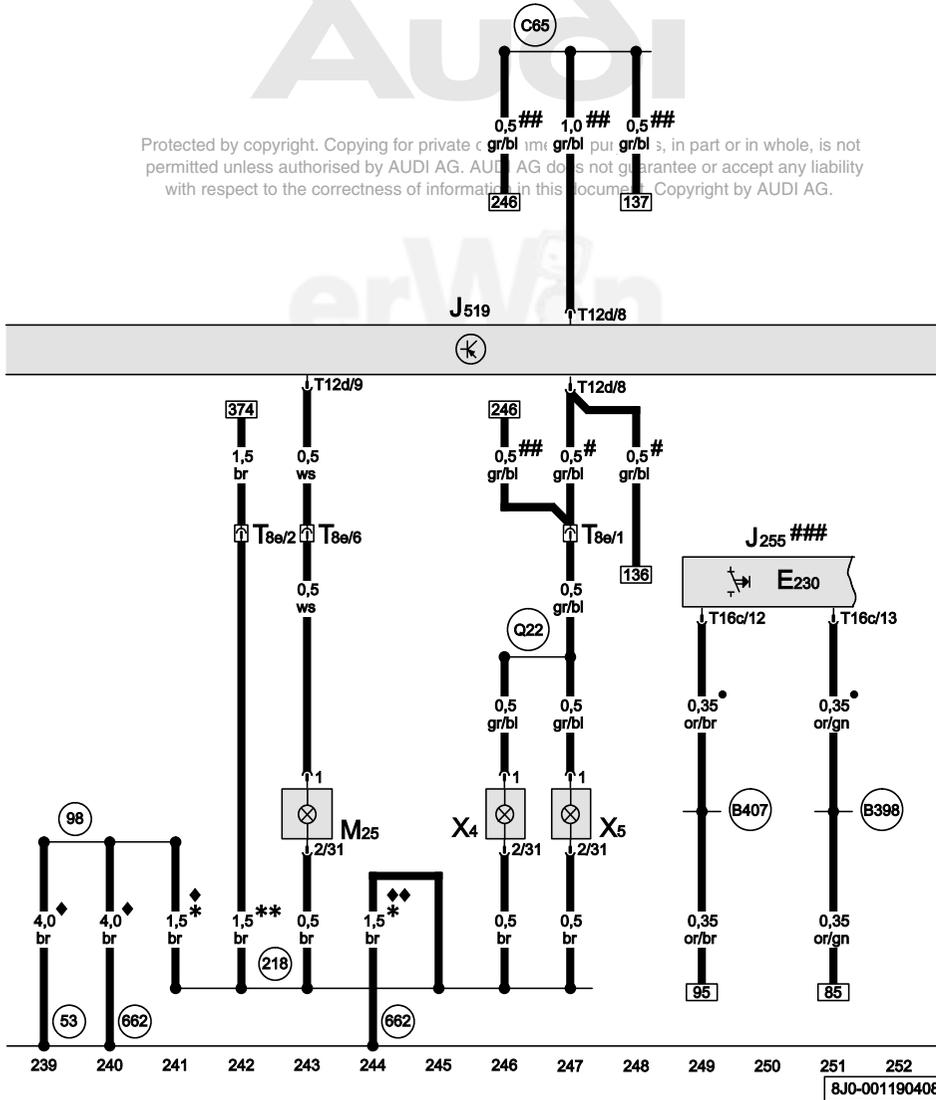
C65 Side Marker Light Plus Connection 1

Q22 Connection 1 (in tailgate wiring harness)

- CAN-Bus (data wire)
- \* Coupé
- \*\* Roadster
- # Through May 2008
- ## from June 2008
- ### Operation for heated rear window via CAN-Bus
- ◆ Through May 2007
- ◆◆ from June 2007

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

Protected by copyright. Copying for private use or for internal or personal use, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



8J0-001190408

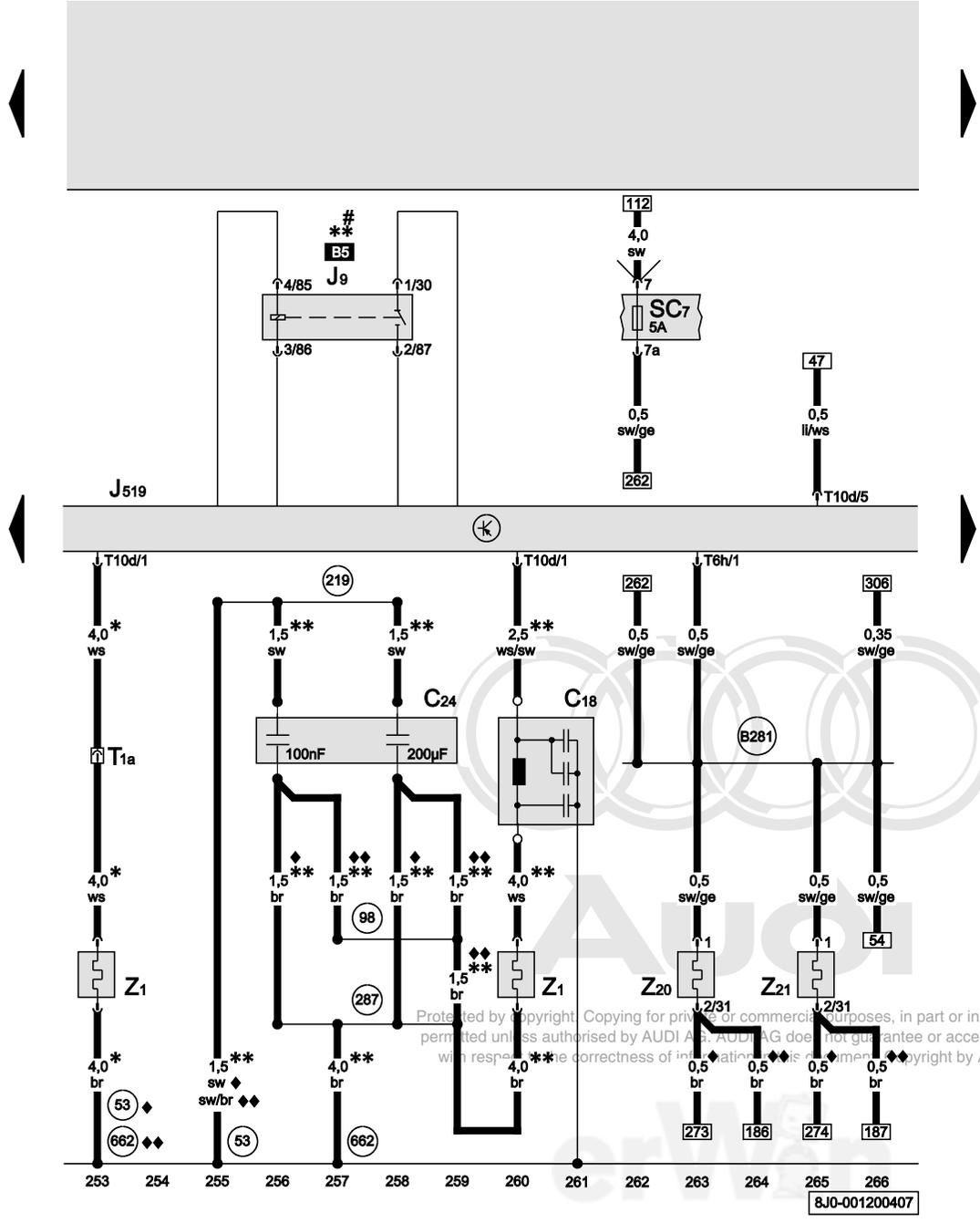
Vehicle Electrical System Control Module, Rear Window Defogger Relay, Heated Rear Window, Washer Nozzle Heater

- C18 Windshield Antenna Suppression Filter
- C24 Suppressor
- J9 Rear Window Defogger Relay
- J519 Vehicle Electrical System Control Module
- SC7 Fuse 7 (on fuse panel C)
- T1a Single Connector, black, left side panel
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module
- Z1 Heated Rear Window
- Z20 Left Washer Nozzle Heater
- Z21 Right Washer Nozzle Heater

- 53 Ground Connection (in rear lid, right)
- 98 Ground Connection (in rear lid wiring harness)
- 219 Ground Connection 2 (in rear lid wiring harness)
- 287 Ground Connection (in rear lid hydraulics wiring harness)
- 662 Ground Connection (on left rear side panel)
- B281 Plus Connection 5 (15a) (in main wiring harness)

- \* Models without Radio
- \*\* Models with radio
- # Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- ◆ Through May 2007
- ◆◆ from June 2007

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



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-001200407



Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 30), Make-Up Mirror Light Contact Switch, Glove Compartment Light, Illuminated Make-up Mirror

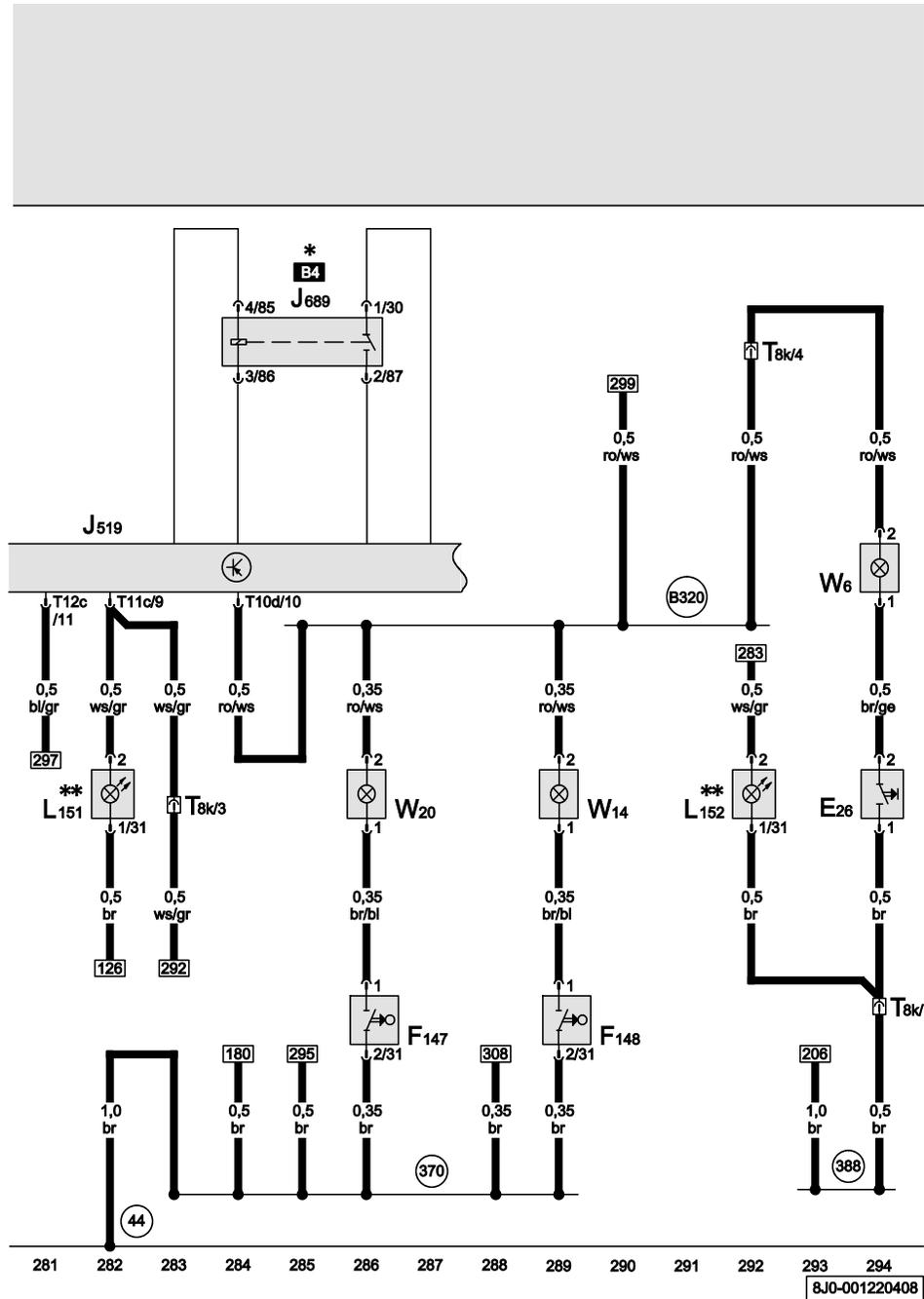
- E26 Glove Compartment Lamp Switch
- F147 Driver's Make-Up Mirror Light Contact Switch
- F148 Front Passenger's Make-Up Mirror Light Contact Switch
- J519 Vehicle Electrical System Control Module
- J689 Power Supply Relay 2 (terminal 30)
- L151 Left Front Footwell Illumination
- L152 Right Front Footwell Illumination
- T8k 8-Pin Connector, black, behind right instrument panel
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- W6 Glove Compartment Light
- W14 Front Passenger's Illuminated Make-up Mirror
- W20 Driver's Illuminated Make-up Mirror

- 44 Ground Connection (on left lower A-pillar)
- 370 Ground Connection 5 (in main wiring harness)
- 388 Ground Connection 23 (in main wiring harness)
- B320 Plus Connection 6 (30a) (in main wiring harness)

- \* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- \*\* Models with light emitting diode (LED) illumination package (QQ1)

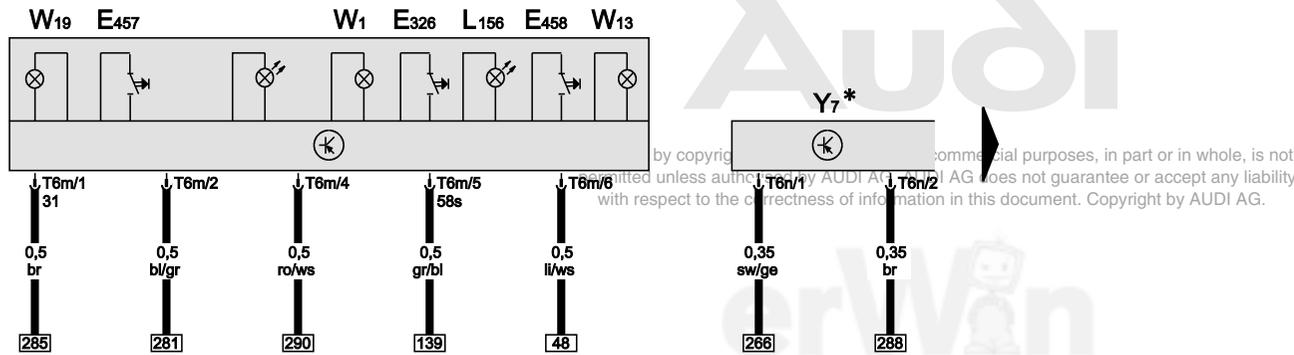
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



Front Interior Lamp Button, Reading Light Button, Front Interior Light, Reading Light, Automatic Day/Night Interior Mirror

- E326 Front Interior Lamp Button
- E457 Driver's Reading Light Button
- E458 Front Passenger's Reading Light Button
- L156 Switch Illumination Lamp
- T6m 6-Pin Connector, brown, on interior light
- T6n 6-Pin Connector, black, on interior mirror
- W1 Front Interior Light
- W13 Front Passenger's Map/Reading Light
- W19 Driver's Map/Reading Light
- Y7 Automatic Day/Night Interior Mirror
- \* Models with automatic day/night interior mirror



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

Comfort System Central Control Module, Automatic Day/  
Night Interior Mirror, Fuel Tank Lid Unlock Motor

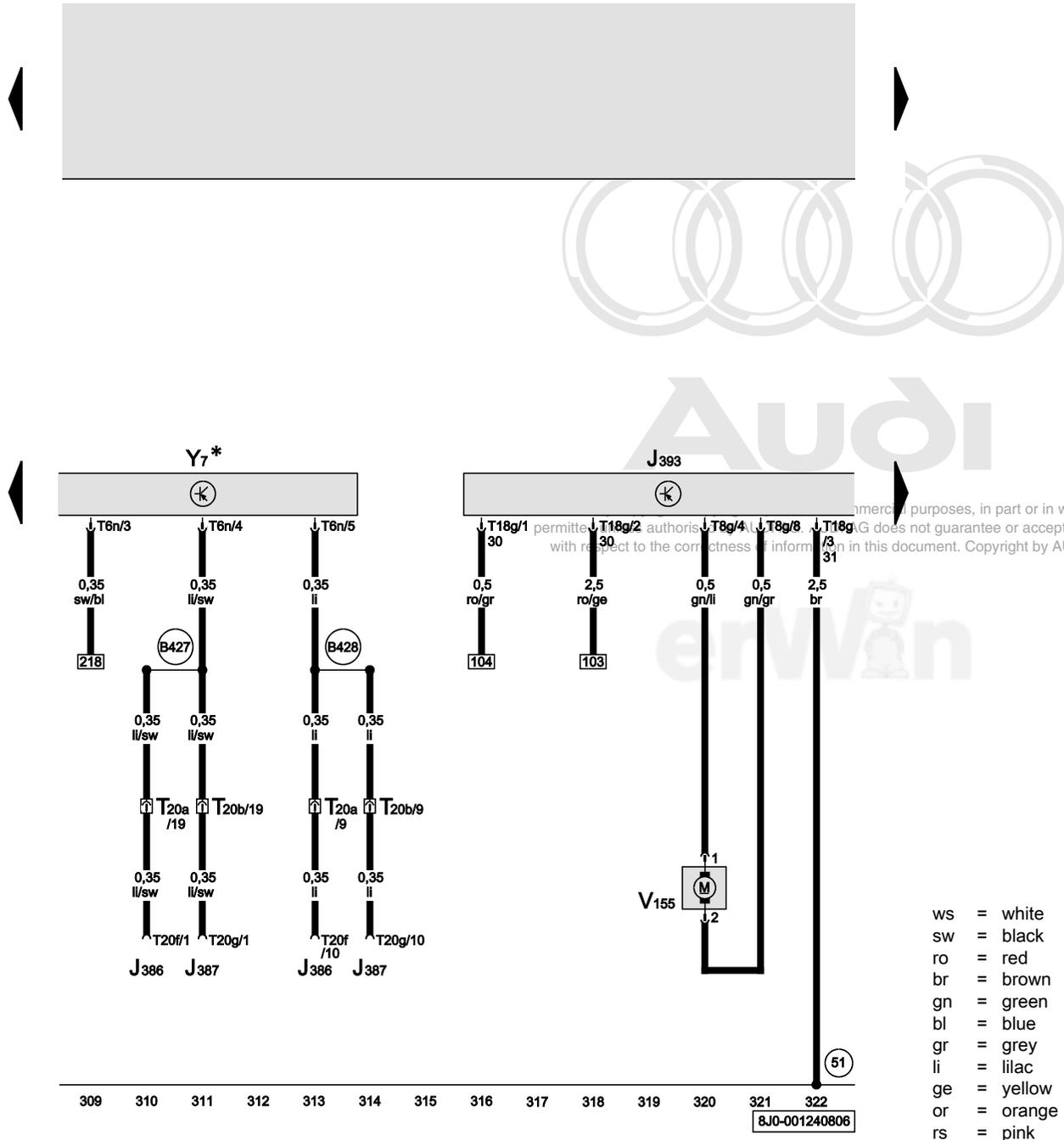
- J386 Driver's Door Control Module
- J387 Front Passenger's Door Control Module
- J393 Comfort System Central Control Module
- T6n 6-Pin Connector, black, on interior mirror
- T8g 8-Pin Connector, black (Connector B), on comfort system central control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T20f 20-Pin Connector, black (Connector A), on driver's door control module
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- V155 Fuel Tank Lid Unlock Motor
- Y7 Automatic Day/Night Interior Mirror

51 Ground Connection (in luggage compartment, right)

B427 Mirror Auto-dimming Signal Connection 1 (in main wiring harness)

B428 Mirror Auto-dimming Signal Connection 2 (in main wiring harness)

\* Models with automatic day/night interior mirror



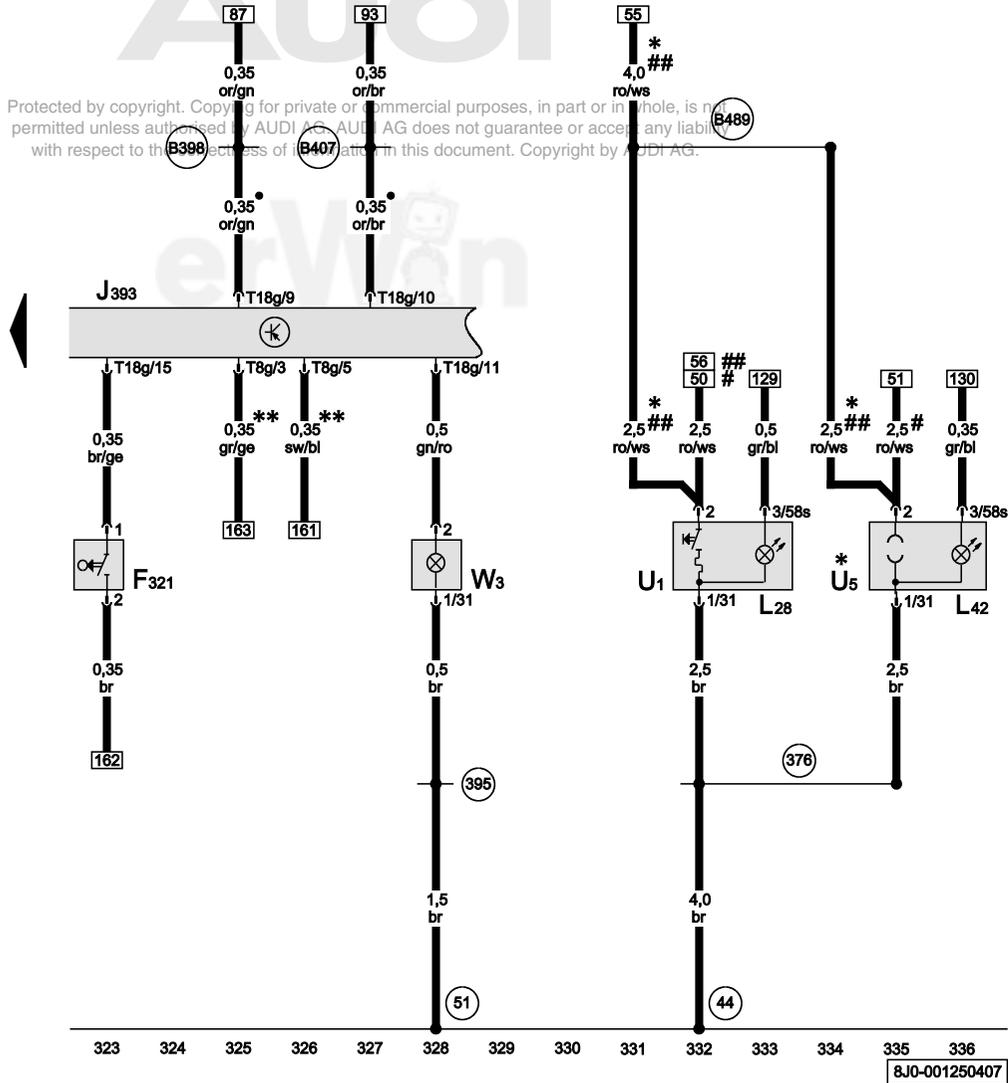
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Comfort System Central Control Module, Parking Brake Contact Switch, Socket Illumination, Cigarette Lighter, 12 V Socket, Luggage Compartment Light

- F321 Parking Brake Contact Switch
- J393 Comfort System Central Control Module
- L28 Cigarette Lighter Illumination
- L42 Socket Illumination
- T8g 8-Pin Connector, black (Connector B), on comfort system central control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- U1 Cigarette Lighter
- U5 12 V Socket
- W3 Luggage Compartment Light

- 44 Ground Connection (on left lower A-pillar)
  - 51 Ground Connection (in luggage compartment, right)
  - 376 Ground Connection 11 (in main wiring harness)
  - 395 Ground Connection 30 (in main wiring harness)
  - B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
  - B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
  - B489 Connection 25 (in main wiring harness)
- CAN-Bus (data wire)  
 \* Only USA  
 \*\* Models with rear spoiler adjustment  
 # Through May 2007  
 ## from June 2007

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



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the data in this document. Copyright by AUDI AG.

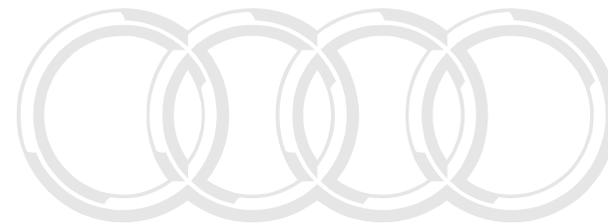
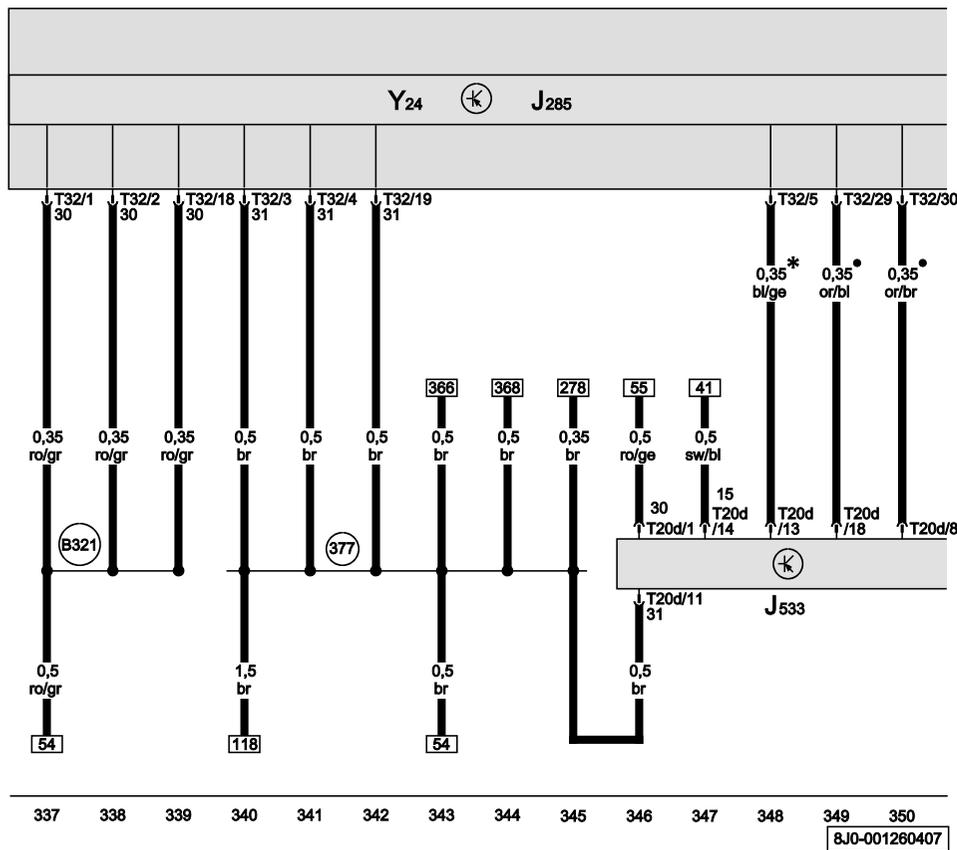
**Instrument Cluster Control Module, Data Bus On Board Diagnostic Interface**

- J285 Instrument Cluster Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster

377 Ground Connection 12 (in main wiring harness)

B321 Plus Connection 7 (30a) (in main wiring harness)

- CAN-Bus (data wire)
- \* Wake Up Wire



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

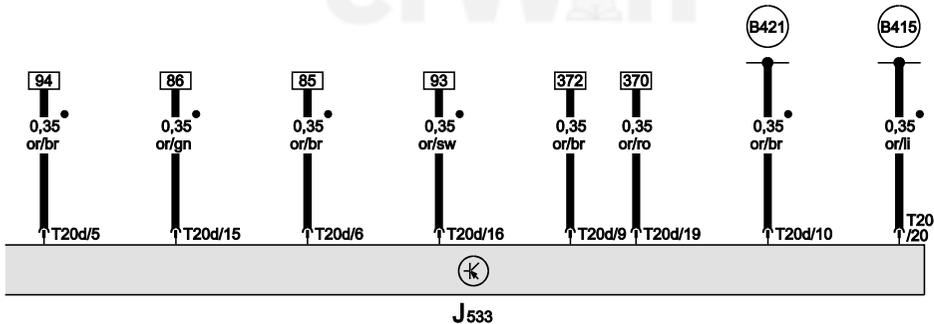
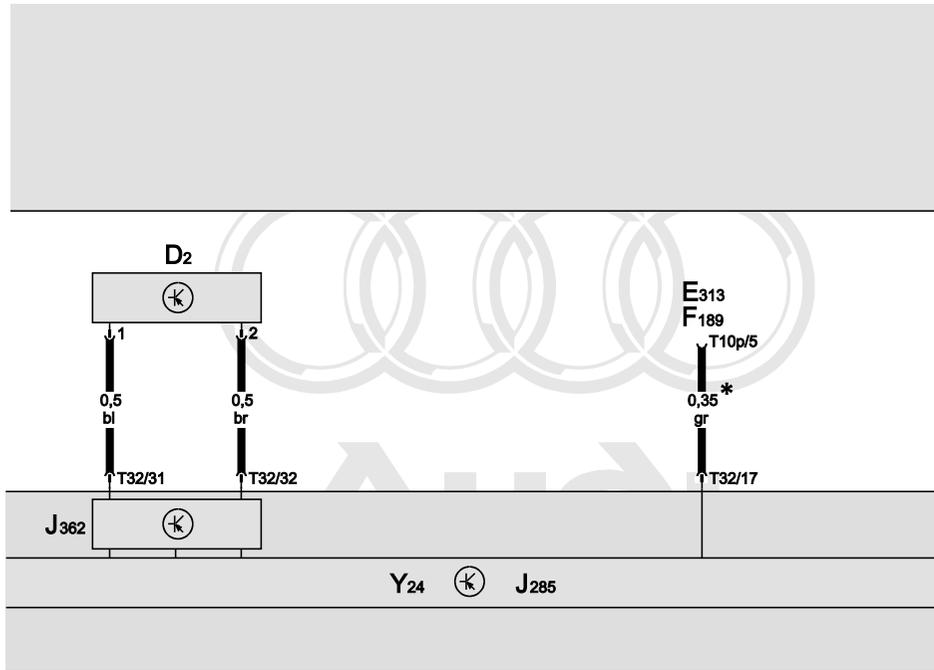
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



8J0-001260407

Instrument Cluster Control Module, Data Bus On Board Diagnostic Interface, Anti-Theft Immobilizer Control Module, Anti-Theft Immobilizer Reading Coil

- D2 Anti-Theft Immobilizer Reading Coil
- E313 Selector Lever
- F189 Tiptronic Switch
- J285 Instrument Cluster Control Module
- J362 Anti-Theft Immobilizer Control Module
- J533 Data Bus On Board Diagnostic Interface
- T10p 10-Pin Connector, on Tiptronic switch
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster
- (B415) Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- (B421) Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with direct shift gearbox 02E



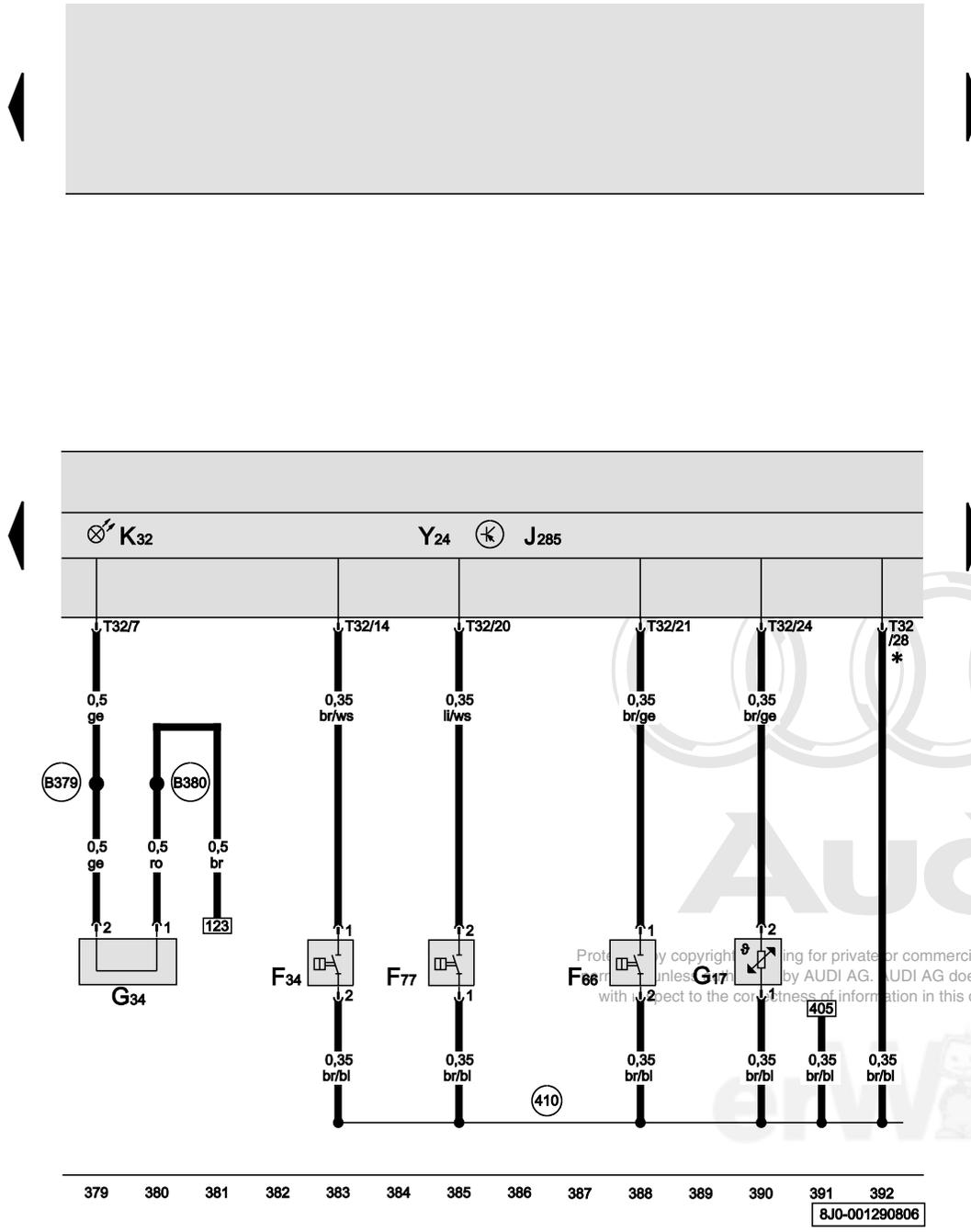
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



Instrument Cluster Control Module, Brake Fluid Level Warning Switch, Outside Air Temperature Sensor, Left Front Brake Pad Wear Sensor, Brake Pad Wear Indicator Lamp, Engine Coolant Level (ECL) Warning Switch, Windshield Washer Fluid Level Warning Switch

- F34 Brake Fluid Level Warning Switch
- F66 Engine Coolant Level (ECL) Warning Switch
- F77 Windshield Washer Fluid Level Warning Switch
- G17 Outside Air Temperature Sensor
- G34 Left Front Brake Pad Wear Sensor
- J285 Instrument Cluster Control Module
- K32 Brake Pad Wear Indicator Lamp
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster

- 410 Sensor Ground Connection 1 (in main wiring harness)
- B379 Brake Wear Indicator Connection 1 (in main wiring harness)
- B380 Brake Wear Indicator Connection 2 (in main wiring harness)
- \* Output Sensor



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

Instrument Cluster Control Module, Oil Pressure Switch, Fuel Level Sensor, Fuel Level Sensor 2, Oil Level Thermal Sensor, Fuel Pump (FP) Control Module

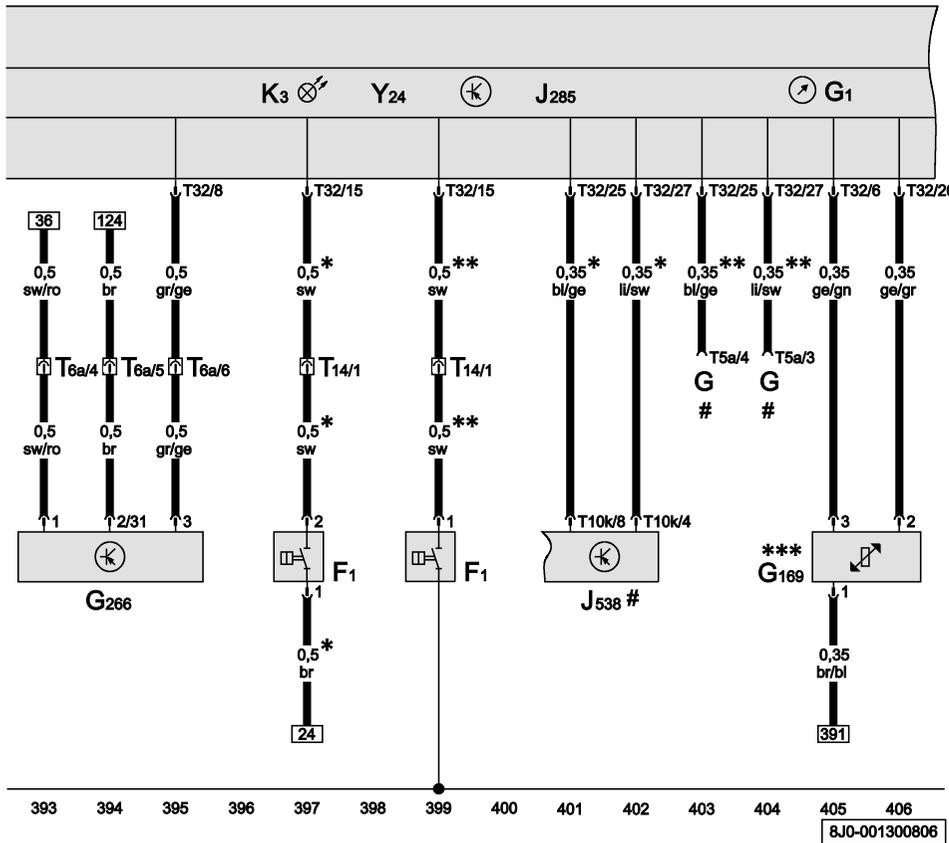
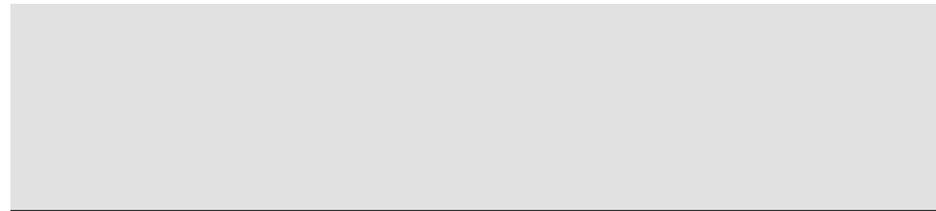
- F1 Oil Pressure Switch
- G Fuel Level Sensor
- G1 Fuel Gauge
- G169 Fuel Level Sensor 2
- G266 Oil Level Thermal Sensor
- J285 Instrument Cluster Control Module
- J538 Fuel Pump (FP) Control Module
- K3 Oil Pressure Warning Lamp
- T5a 5-Pin Connector, black, on fuel level sensor
- T6a 6-Pin Connector, black, in engine compartment, front left
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T14 14-Pin Connector, black, in left front engine compartment
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster
- \* 2.0L engine, BWA
- \*\* 3.2L engine, BUB
- \*\*\* Models with all-wheel drive
- # ⇒ Wiring Diagram engine



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



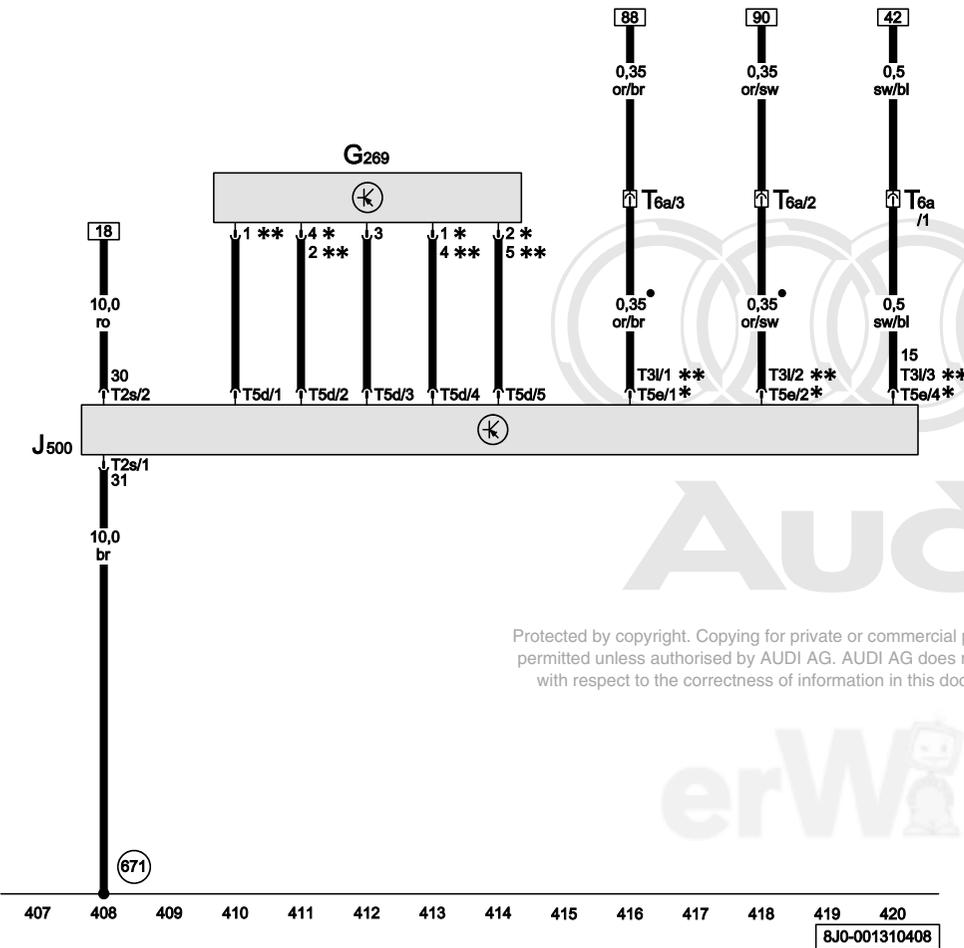
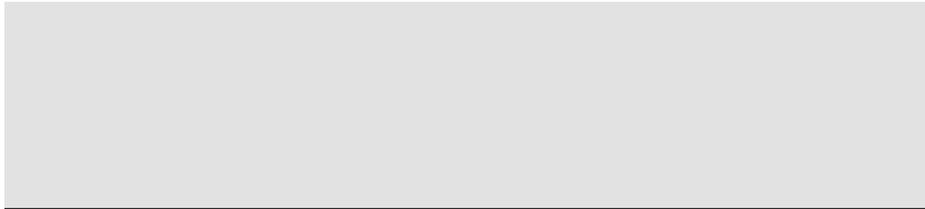
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



8J0-001300806

Power Steering Control Module, Steering Torque Sensor

- G269 Steering Torque Sensor
- J500 Power Steering Control Module
- T2s Double Connector, black (Connector A), on power steering control module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T5d 5-Pin Connector (Connector B), on power steering control module
- T5e 5-Pin Connector, grey (Connector C), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- 671 Ground Connection 1 (on left front long member)
- CAN-Bus (data wire)
- \* Through May 2008
- \*\* from June 2008



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

407 408 409 410 411 412 413 414 415 416 417 418 419 420

8J0-001310408

**2.0L fuel injection engine (FSI - cylinder 4), BWA**  
from model year 2007

**2.0L fuel injection engine (FSI - cylinder 4), BPY**  
from model year 2007

**2.0L fuel injection engine (cylinder 4), CDMA**  
from model year 2007

**2.0L fuel injection engine (cylinder 4), CDLB**  
from model year 2007

**Note:**

Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground Connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



Audi

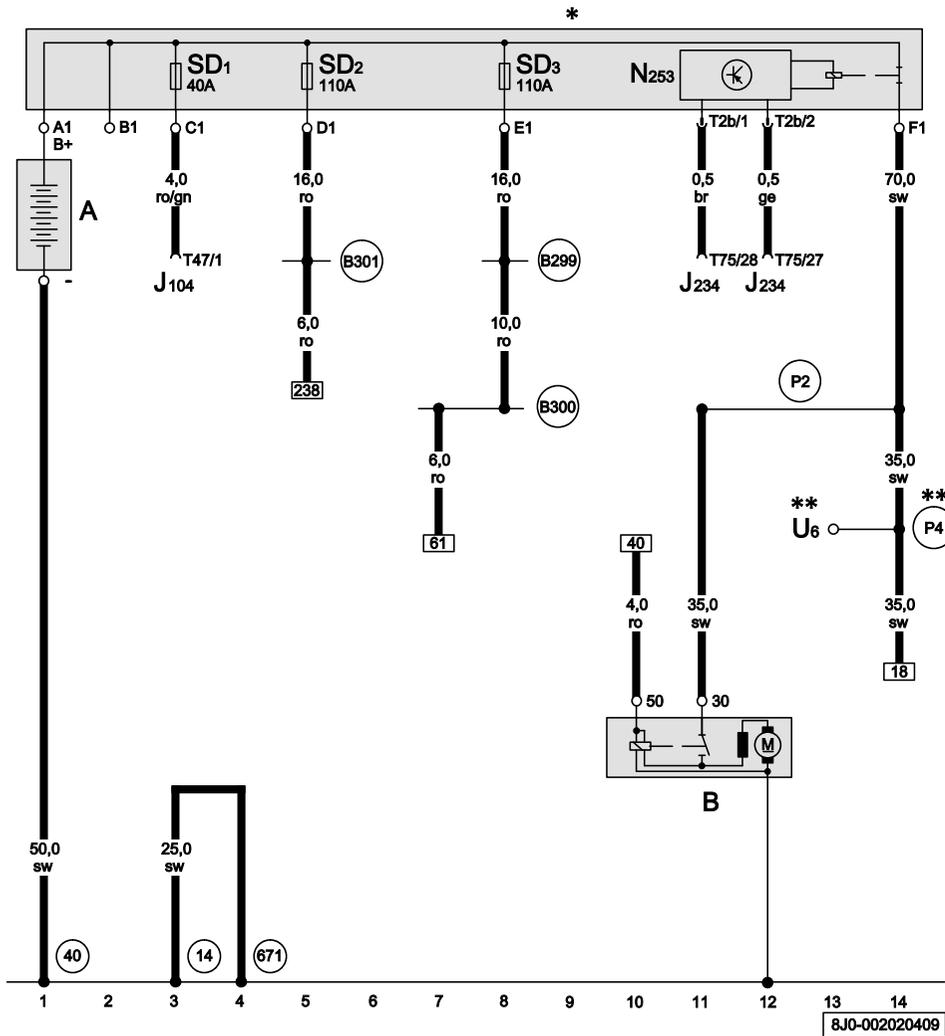
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Battery, Starter, Battery Interrupt Igniter, Main Fuse Panel, in right rear luggage compartment on battery

- A Battery
- B Starter
- J104 ABS Control Module
- J234 Airbag Control Module
- N253 Battery Interrupt Igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double Connector, purple, on battery interrupt igniter
- T47 47-Pin Connector, on ABS control module
- T75 75-Pin Connector, on airbag control module
- U6 Battery Jump Start Terminal

- 14 Ground Connection on transmission
- 40 Ground Connection (below rear seat bench, right)
- 671 Ground Connection 1 (on left front long member)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- P2 Plus Connection (30) (in battery wiring harness)
- P4 Plus Connection 2 (30) (in battery wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Models with battery jump start terminal



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

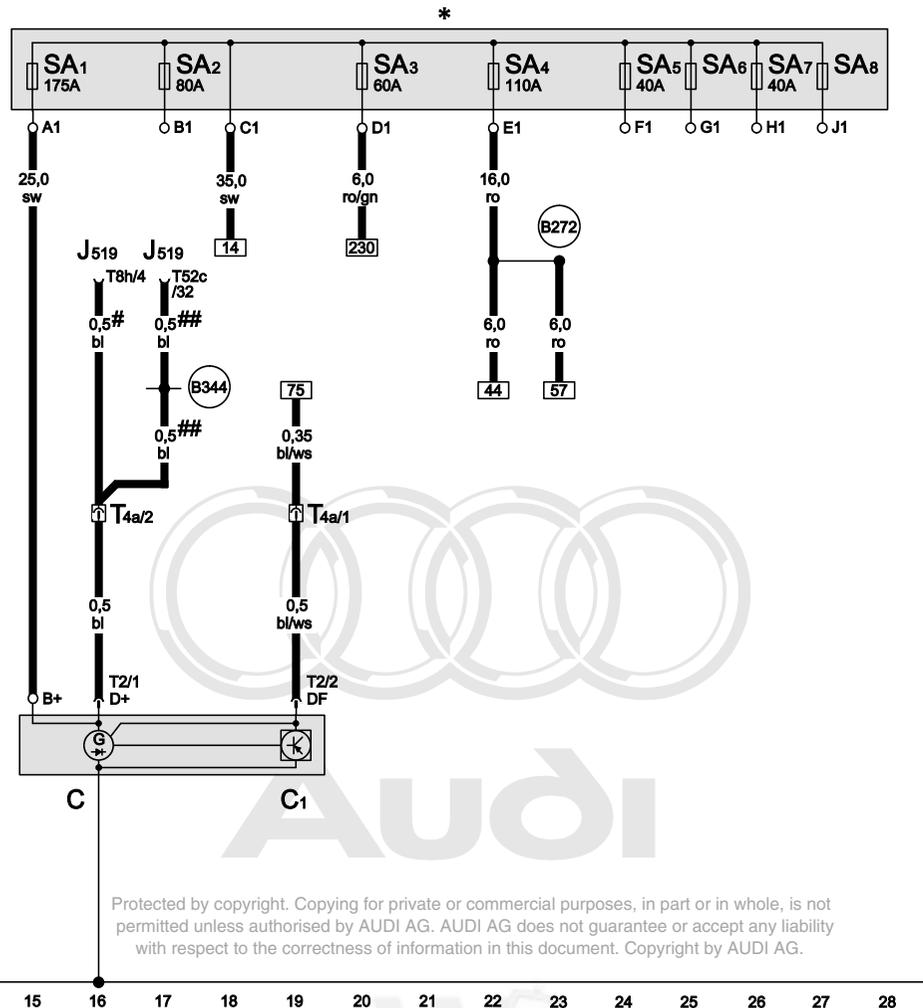


protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Generator (GEN), Main Fuse Panel Electronics Box, in engine compartment

- C Generator (GEN)
- C1 Voltage Regulator (VR)
- J519 Vehicle Electrical System Control Module
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T2 Double Connector, purple, on generator
- T4a 4-Pin Connector, black, in engine compartment, front left
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- B272 Plus Connection (30) (in main wiring harness)
- B344 Connection 1 (61) (in main wiring harness)
- \* Main fuse panel electronics box, in front left engine compartment
- # Through May 2009
- ## from June 2009



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-002030409

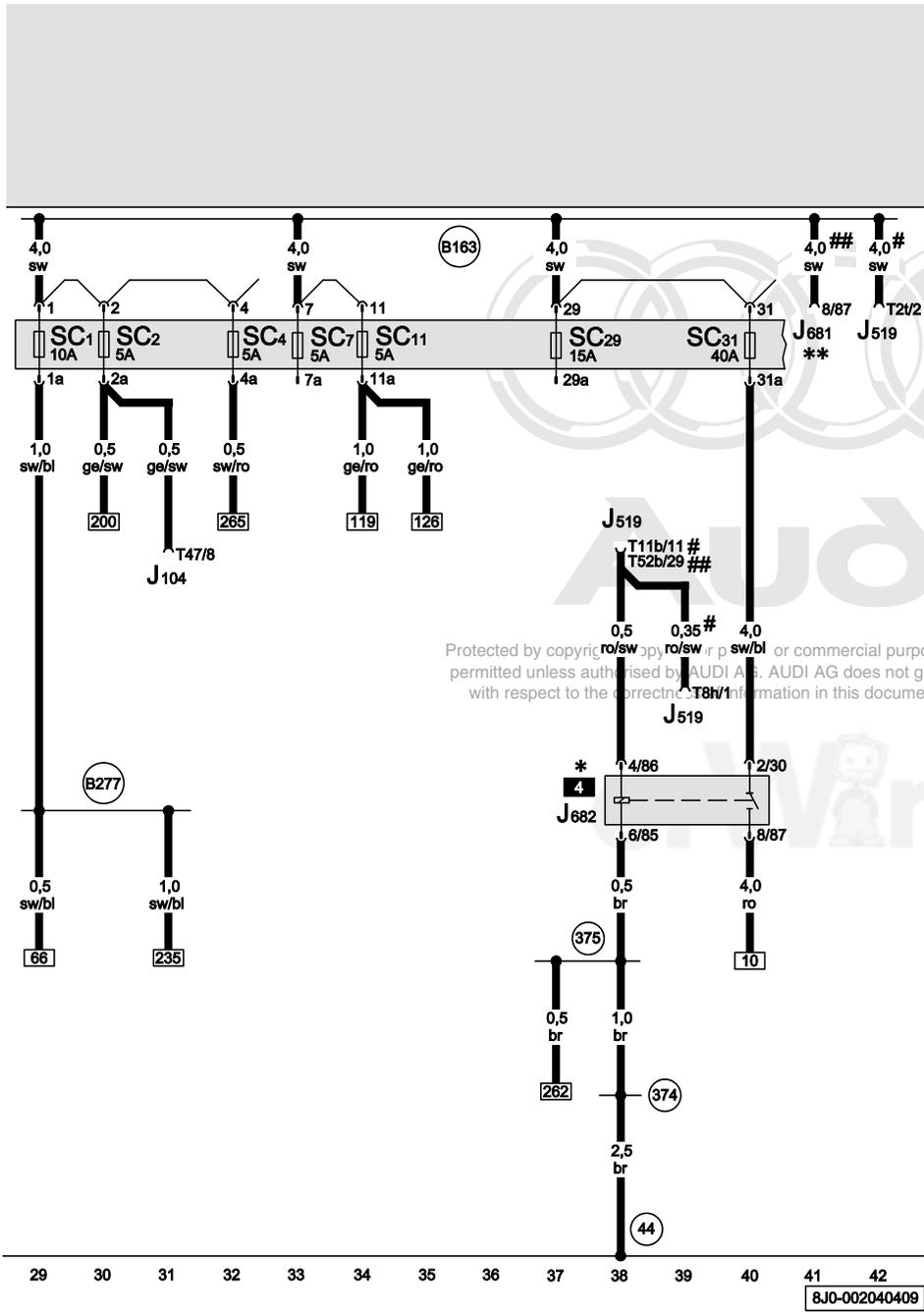
Power Supply Relay (terminal 50), Fuses

- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- J682 Power Supply Relay (terminal 50)
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T47 47-Pin Connector, on ABS control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B277 Plus Connection 1 (15a) (in main wiring harness)

- \* Relay panel under instrument panel, left
- \*\* Relay Carrier on Vehicle Electrical System Control Module
- # Through May 2009
- ## from June 2009

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





Engine Control Module (ECM), Motronic Engine Control Module (ECM) Power Supply Relay, Suppressor

- C24 Suppressor
- J271 Motronic Engine Control Module (ECM) Power Supply Relay
- J623 Engine Control Module (ECM)
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T94 94-Pin Connector, on engine control module (ECM)

366 Ground Connection 1 (in main wiring harness)

379 Ground Connection 14 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

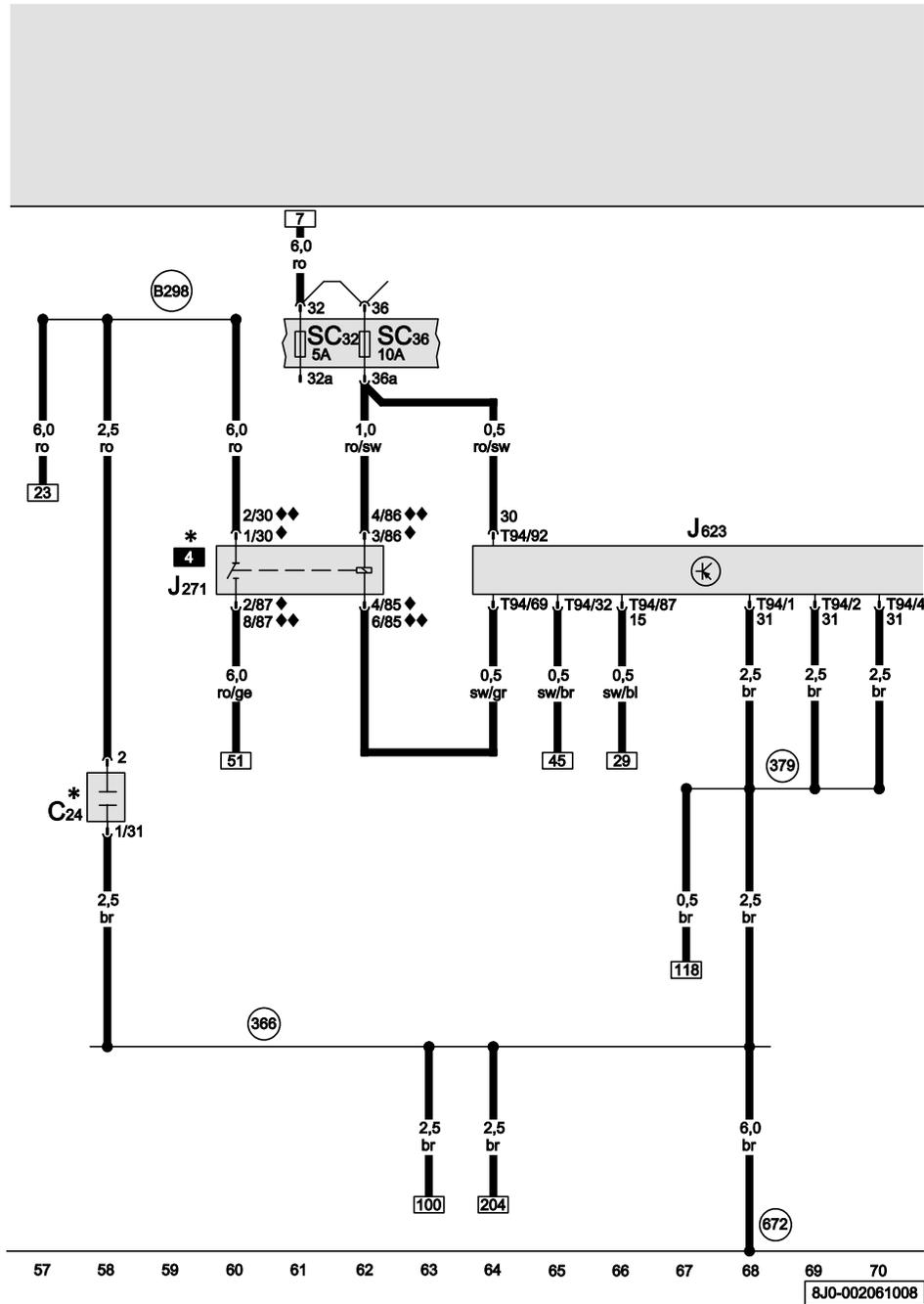
B298 Plus Connection 2 (30) (in main wiring harness)

- \* Relay and fuse carrier in electronics box engine compartment
- ◆ Through May 2008
- ◆◆ from June 2008

Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



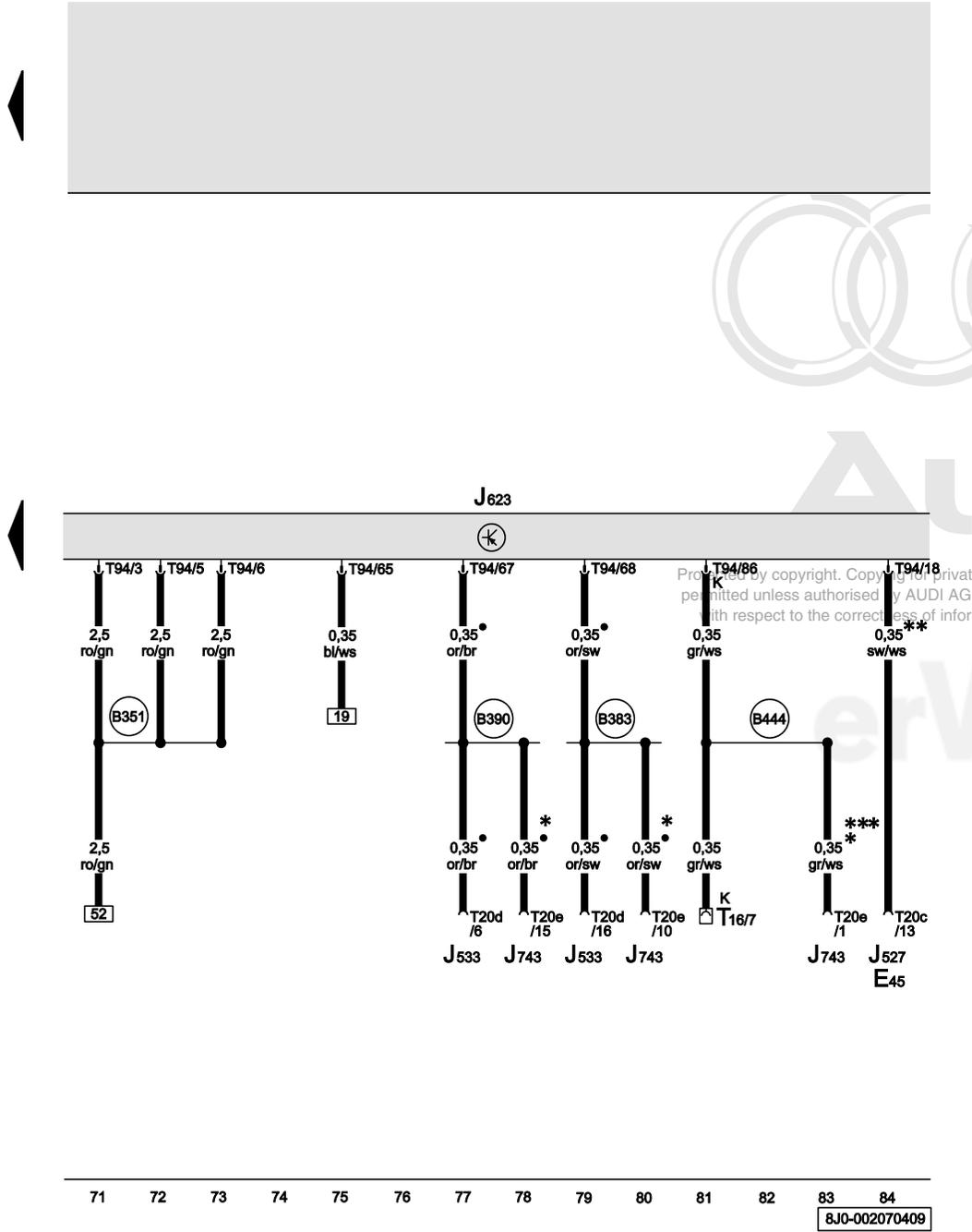
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM)

- E45 Cruise Control Switch
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- T16 16-Pin Connector, Diagnostic Connector
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T94 94-Pin Connector, on engine control module (ECM)

- (B351) Plus Connection 2 (87a) (in main wiring harness)
- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B444) OBD Connection 1 (in main wiring harness)

- CAN-Bus (data wire)
- Models with direct shift gearbox 02E
- Models with cruise control system
- \*\*\* Not applicable from June 2008

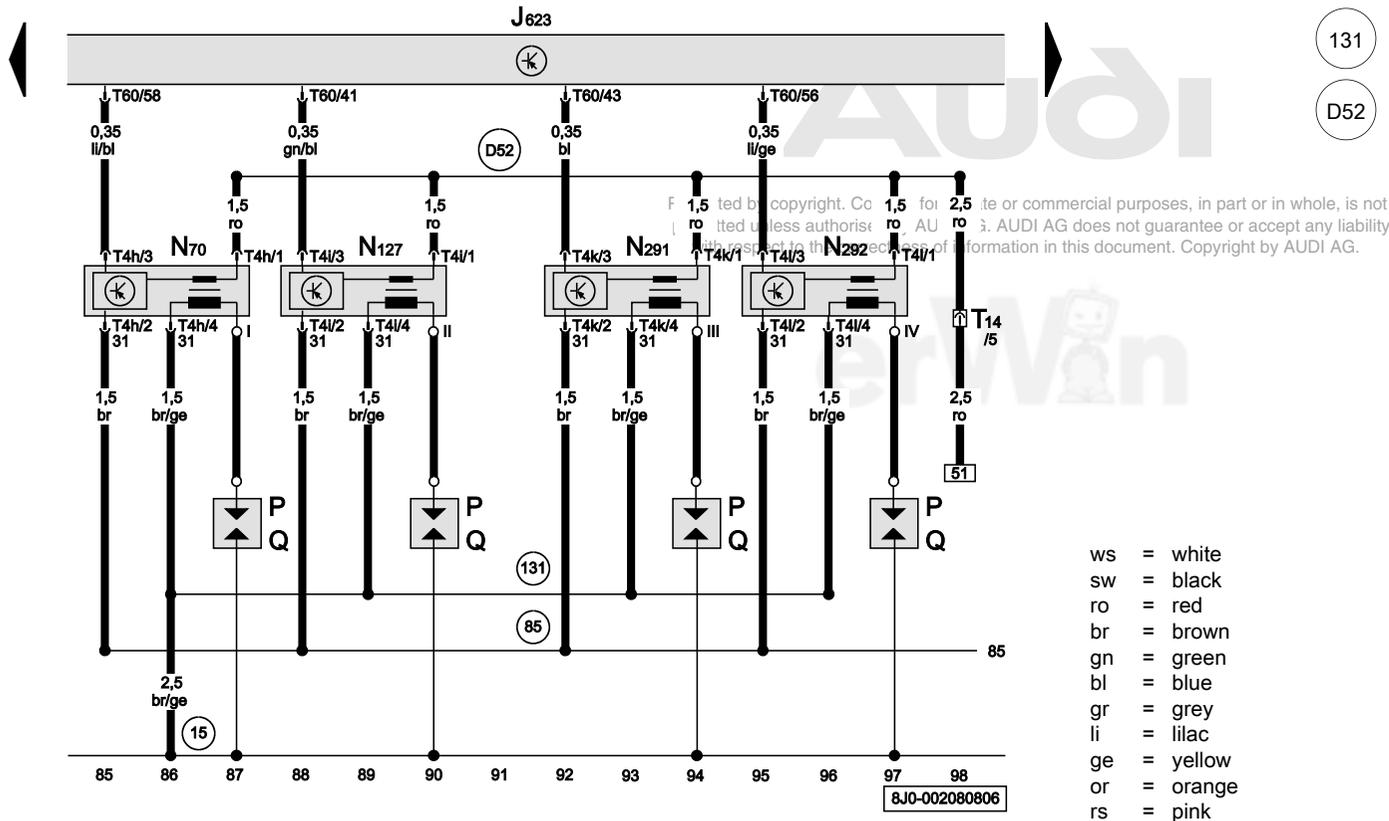


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Ignition Coil 1 through 4 with Power Output Stage

- J623 Engine Control Module (ECM)
- N70 Ignition Coil 1 with Power Output Stage
- N127 Ignition Coil 2 with Power Output Stage
- N291 Ignition Coil 3 with Power Output Stage
- N292 Ignition Coil 4 with Power Output Stage
- P Spark Plug Connectors
- Q Spark Plugs
- T4h 4-Pin Connector, black, on ignition coil 1 with power output stage
- T4i 4-Pin Connector, black, on ignition coil 2 with power output stage
- T4k 4-Pin Connector, black, on ignition coil 3 with power output stage
- T4l 4-Pin Connector, black, on ignition coil 4 with power output stage
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)

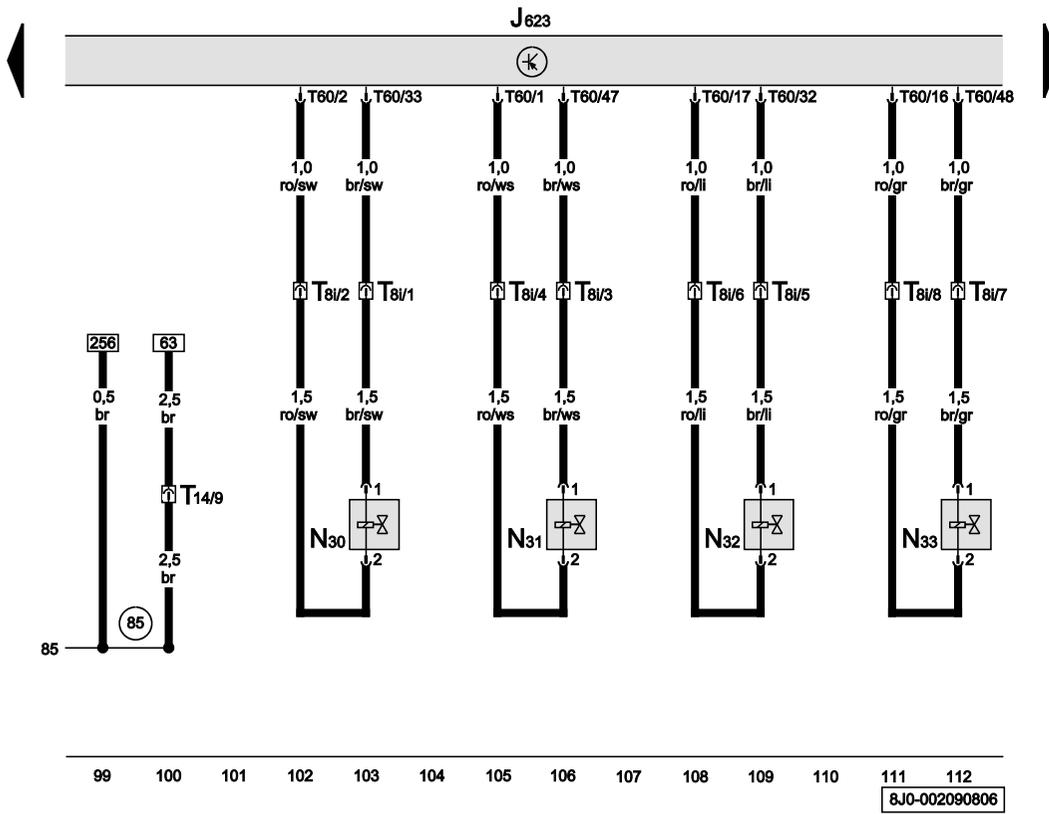
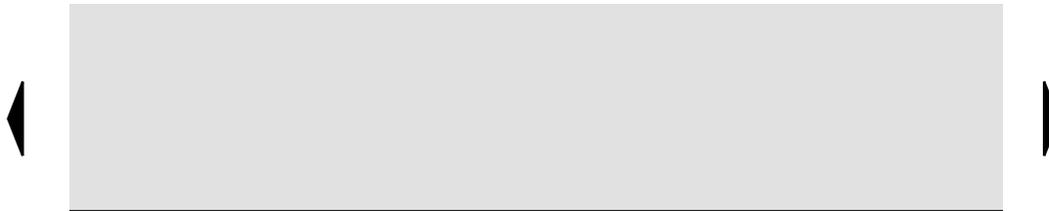
- 15 Ground Connection (on cylinder head)
- 85 Ground Connection 1 (in engine compartment wiring harness)
- 131 Ground Connection 2 (in engine compartment wiring harness)
- D52 Plus Connection (15a) (in engine compartment wiring harness)



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

Engine Control Module (ECM), Cylinder 1 through 4 Fuel Injector

- J623 Engine Control Module (ECM)
- N30 Cylinder 1 Fuel Injector
- N31 Cylinder 2 Fuel Injector
- N32 Cylinder 3 Fuel Injector
- N33 Cylinder 4 Fuel Injector
- T8i 8-Pin Connector, black, near fuel injectors
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)
- 85 Ground Connection 1 (in engine compartment wiring harness)



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



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



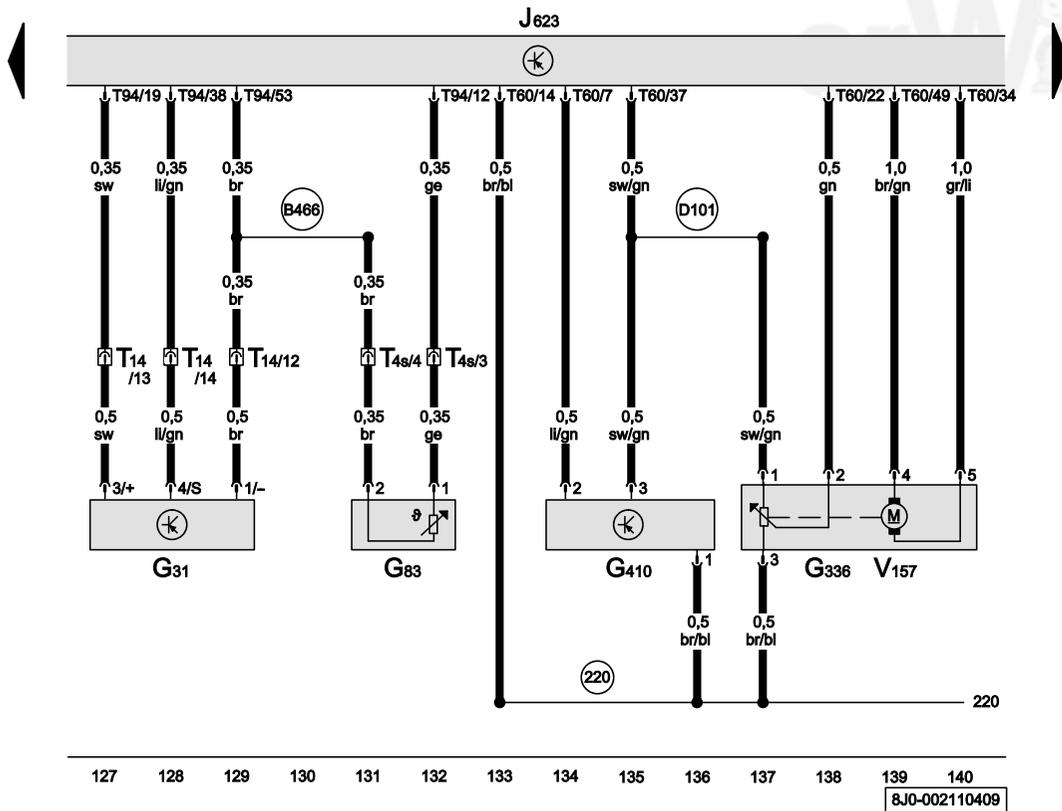


Engine Control Module (ECM), Charge Air Pressure Sensor, Engine Coolant Temperature (ECT) Sensor (on Radiator), Low Fuel Pressure Sensor, Intake Manifold Runner Position Sensor, Intake Flap Motor

- G31 Charge Air Pressure Sensor
- G83 Engine Coolant Temperature (ECT) Sensor (on Radiator)
- G336 Intake Manifold Runner Position Sensor
- G410 Low Fuel Pressure Sensor
- J623 Engine Control Module (ECM)
- T4s 4-Pin Connector, black, in engine compartment, front left
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)
- V157 Intake Flap Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- (220) Sensor Ground Connection (in engine wiring harness)
- (B466) Connection 2 (in main wiring harness)
- (D101) Connection 1 (in engine compartment wiring harness)



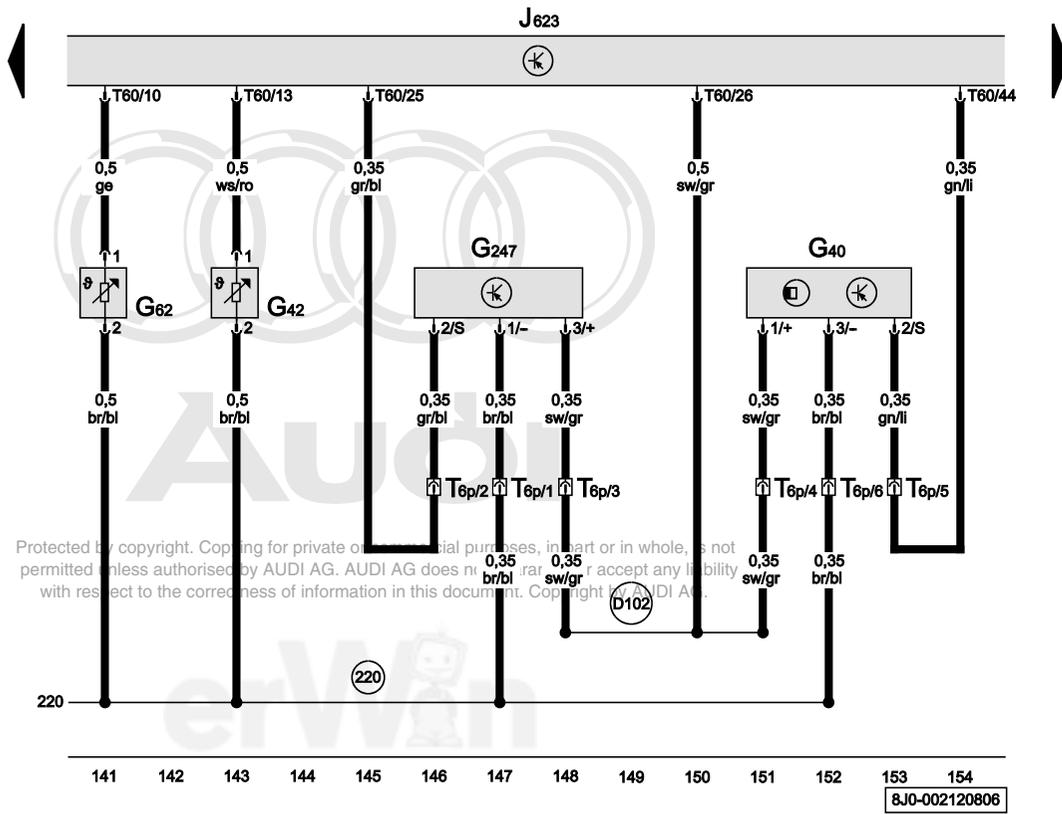
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Intake Air Temperature (IAT) Sensor, Engine Coolant Temperature (ECT) Sensor, Fuel Pressure Sensor, Camshaft Position (CMP) Sensor

- G40 Camshaft Position (CMP) Sensor
- G42 Intake Air Temperature (IAT) Sensor
- G62 Engine Coolant Temperature (ECT) Sensor
- G247 Fuel Pressure Sensor
- J623 Engine Control Module (ECM)
- T6p 6-Pin Connector, black, on engine, front
- T60 60-Pin Connector, on engine control module (ECM)

220 Sensor Ground Connection (in engine wiring harness)

D102 Connection 2 (in engine compartment wiring harness)

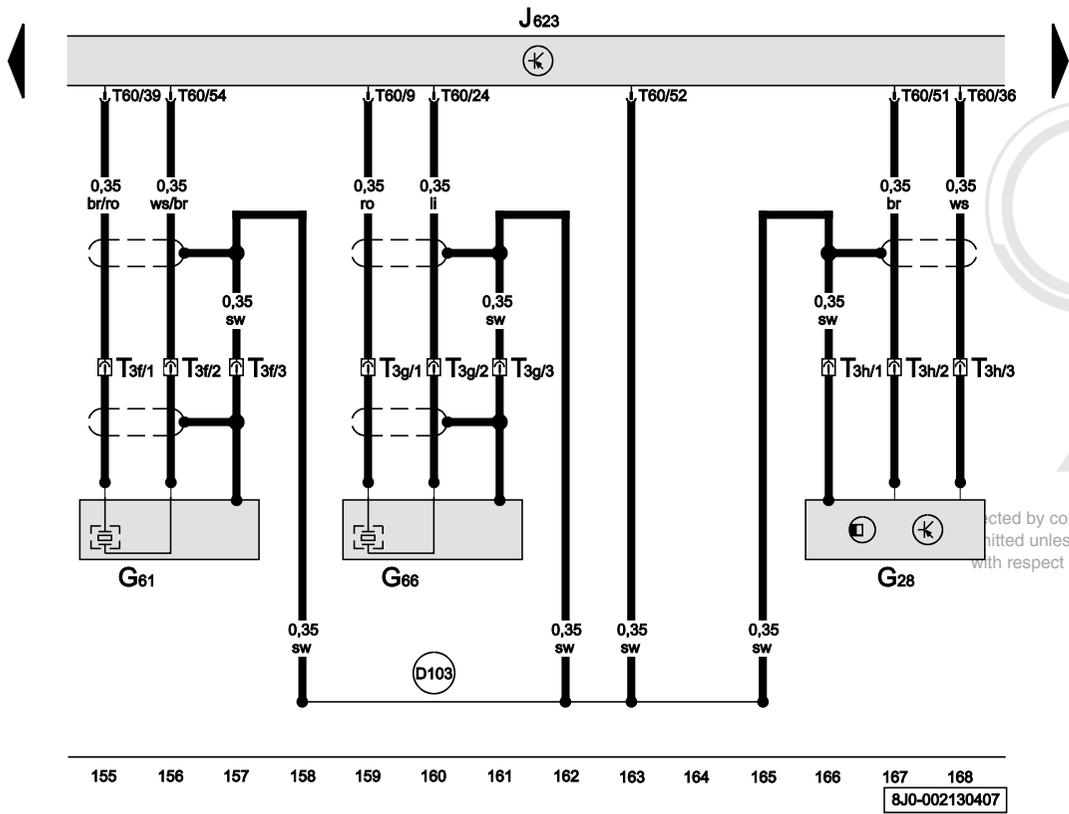
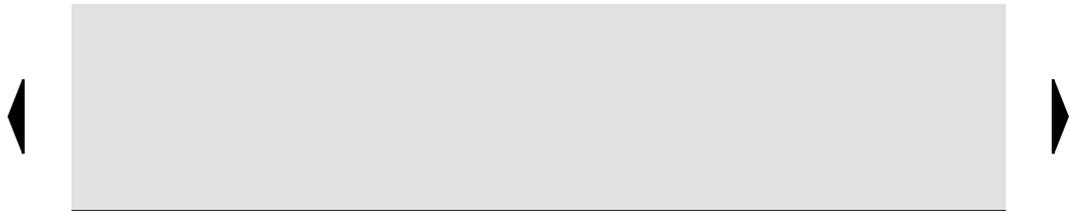


Protected by copyright. Copying for private or special purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document. Copyright © AUDI AG.

Engine Control Module (ECM), Engine Speed (RPM) Sensor, Knock Sensor (KS)

- G28 Engine Speed (RPM) Sensor
- G61 Knock Sensor (KS) 1
- G66 Knock Sensor (KS) 2
- J623 Engine Control Module (ECM)
- T3f 3-Pin Connector, green, on knock sensor 1
- T3g 3-Pin Connector, brown, on knock sensor 2
- T3h 3-Pin Connector, grey, on camshaft position (CMP) sensor 2
- T60 60-Pin Connector, on engine control module (ECM)

(D103) Connection 3 (in engine compartment wiring harness)



Copyrighted by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.

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

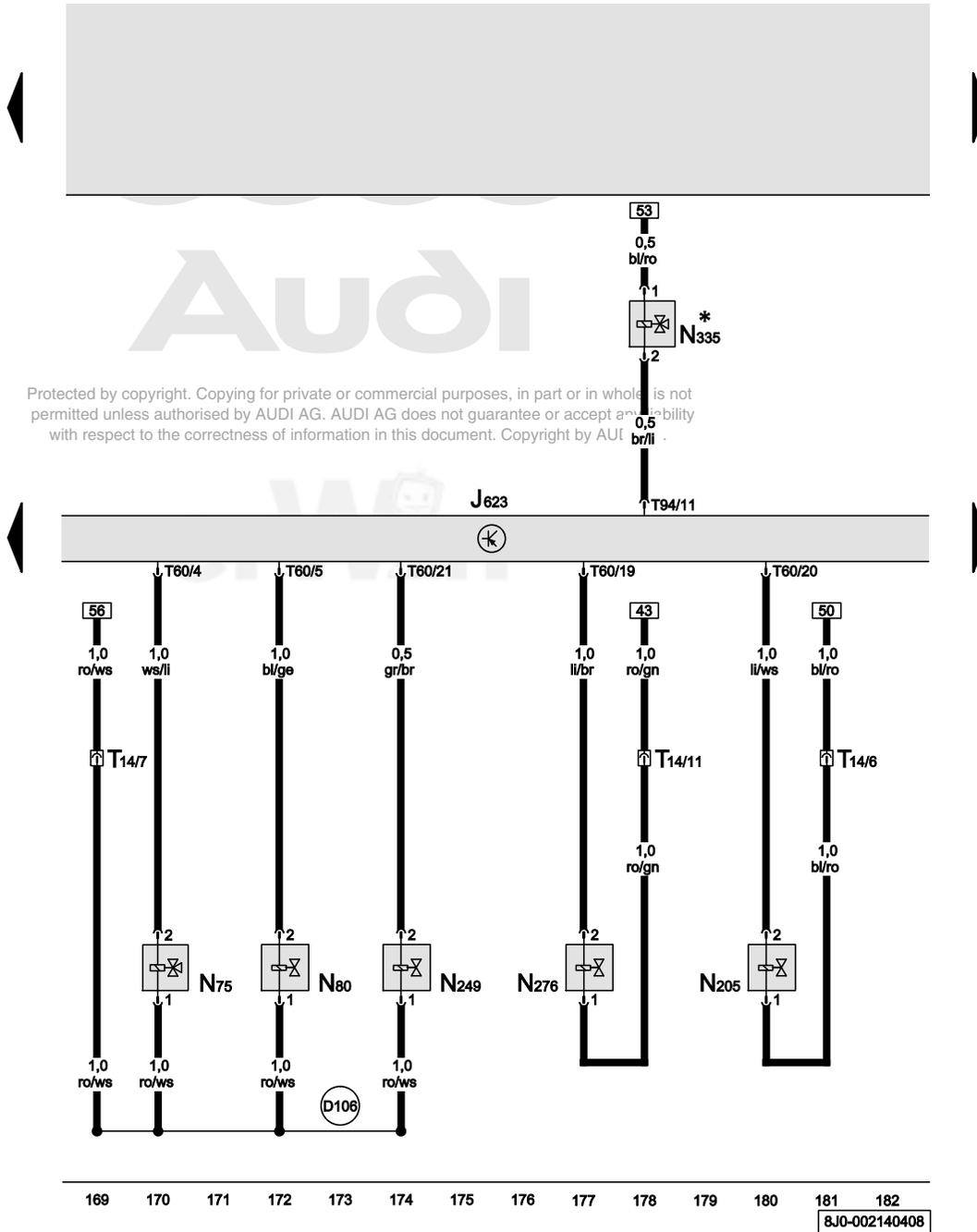
Engine Control Module (ECM), Evaporative Emission (EVAP) Canister Purge Regulator Valve 1, Camshaft Adjustment Valve 1, Turbocharger Recirculating Valve, Fuel Pressure Regulator Valve, Wastegate Bypass Regulator Valve

- J623 Engine Control Module (ECM)
- N75 Wastegate Bypass Regulator Valve
- N80 Evaporative Emission (EVAP) Canister Purge Regulator Valve 1
- N205 Camshaft Adjustment Valve 1
- N249 Turbocharger Recirculating Valve
- N276 Fuel Pressure Regulator Valve
- N335 Intake Manifold Change-Over Valve
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)

D106 Connection 4 (in engine compartment wiring harness)

\* Only 2.0L engine, CDMA, CDLB

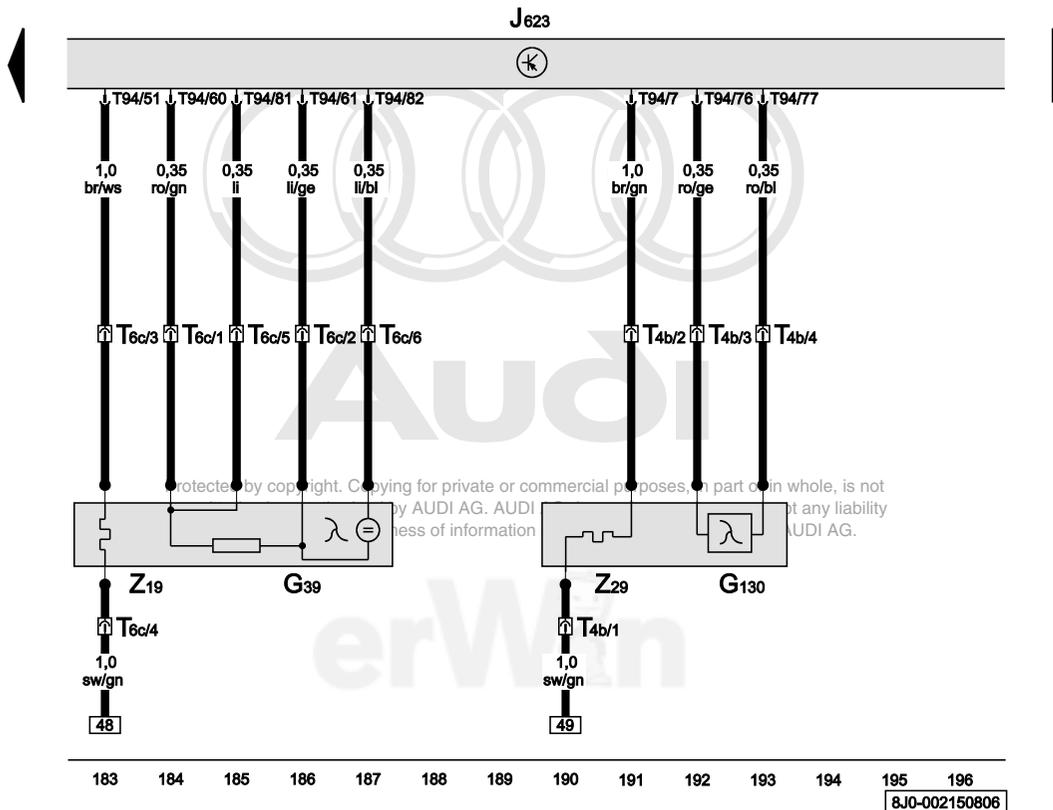
Protected by copyright. Copying for private or commercial purposes, in part or in whole is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



8J0-002140408

Engine Control Module (ECM), Heated Oxygen Sensor (HO2S), Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC), Oxygen Sensor (O2S) Heater, Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC)

- G39 Heated Oxygen Sensor (HO2S)
- G130 Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC)
- J623 Engine Control Module (ECM)
- T4b 4-Pin Connector, black, on oxygen sensor (O2S) behind three way catalytic converter (TWC)
- T6c 6-Pin Connector, black, on heated oxygen sensor (HO2S)
- T94 94-Pin Connector, on engine control module (ECM)
- Z19 Oxygen Sensor (O2S) Heater
- Z29 Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC)



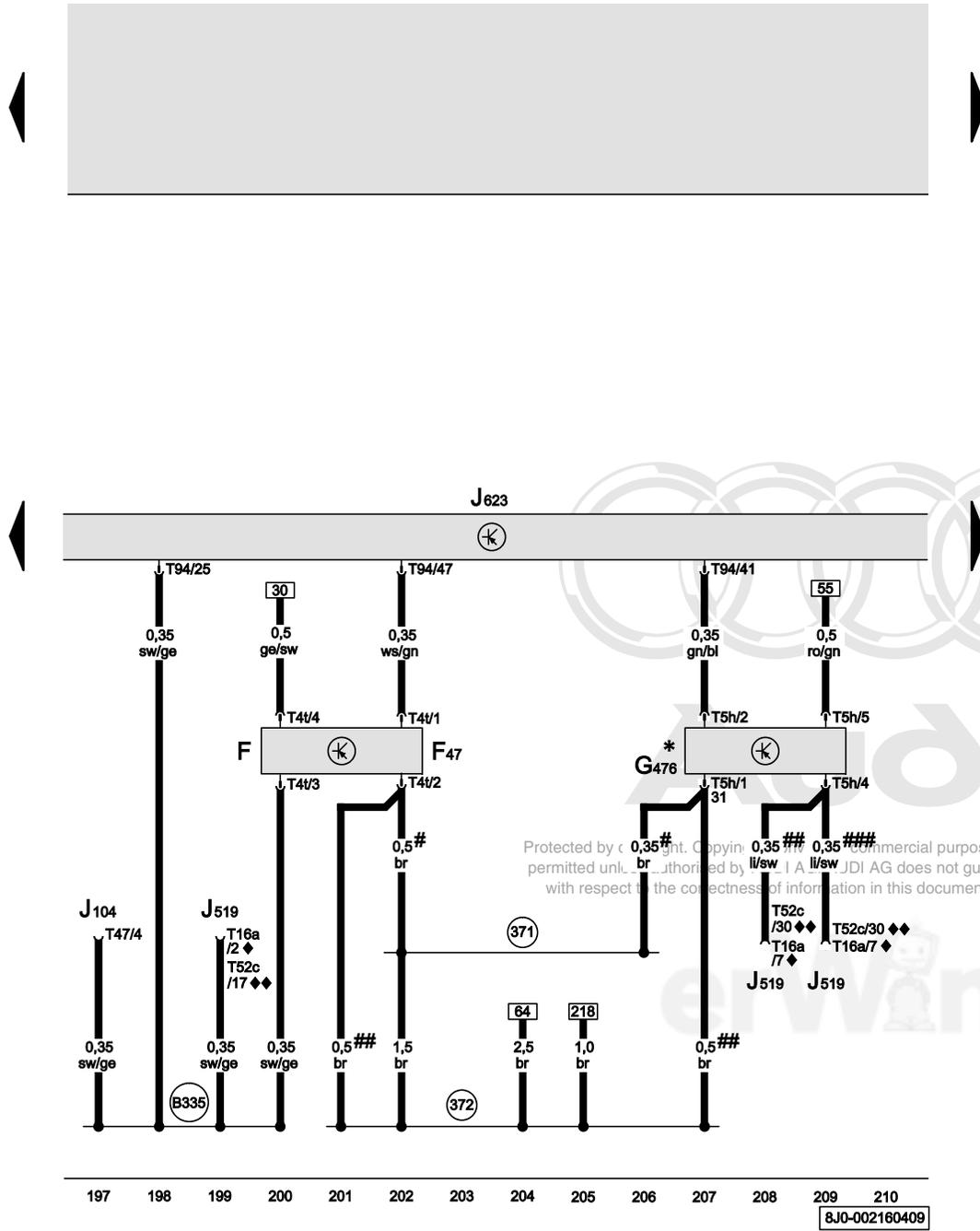
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Brake Light Switch, Brake Pedal Switch, Clutch Position Sensor

- F Brake Light Switch
- F47 Brake Pedal Switch
- G476 Clutch Position Sensor
- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- T4t 4-Pin Connector, black, on brake light switch
- T5h 5-Pin Connector, black, on clutch position sensor
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- T47 47-Pin Connector, on ABS control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- T94 94-Pin Connector, on engine control module (ECM)

- (371) Ground Connection 6 (in main wiring harness)
- (372) Ground Connection 7 (in main wiring harness)
- (B335) Connection 1 (54) (in main wiring harness)

- \* Models with manual transmission
- # Through May 2007
- ## from June 2007
- ### Through May 2007 USA only
- ◆ Through May 2009
- ◆◆ from June 2009

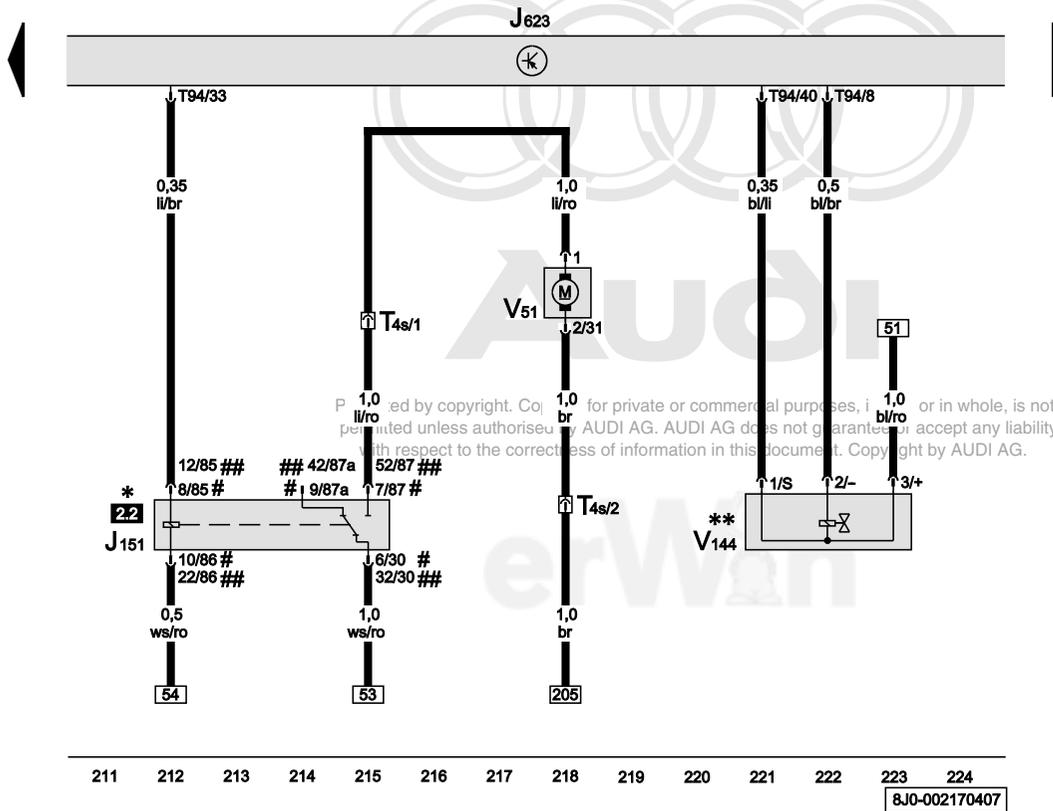


Protected by copyright. Copying, reproduction, or distribution for commercial purposes, in part or in whole, is not permitted unless authorized by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Engine Control Module (ECM), Coolant Circulation Pump Relay, After-Run Coolant Pump, Leak Detection Pump (LDP)

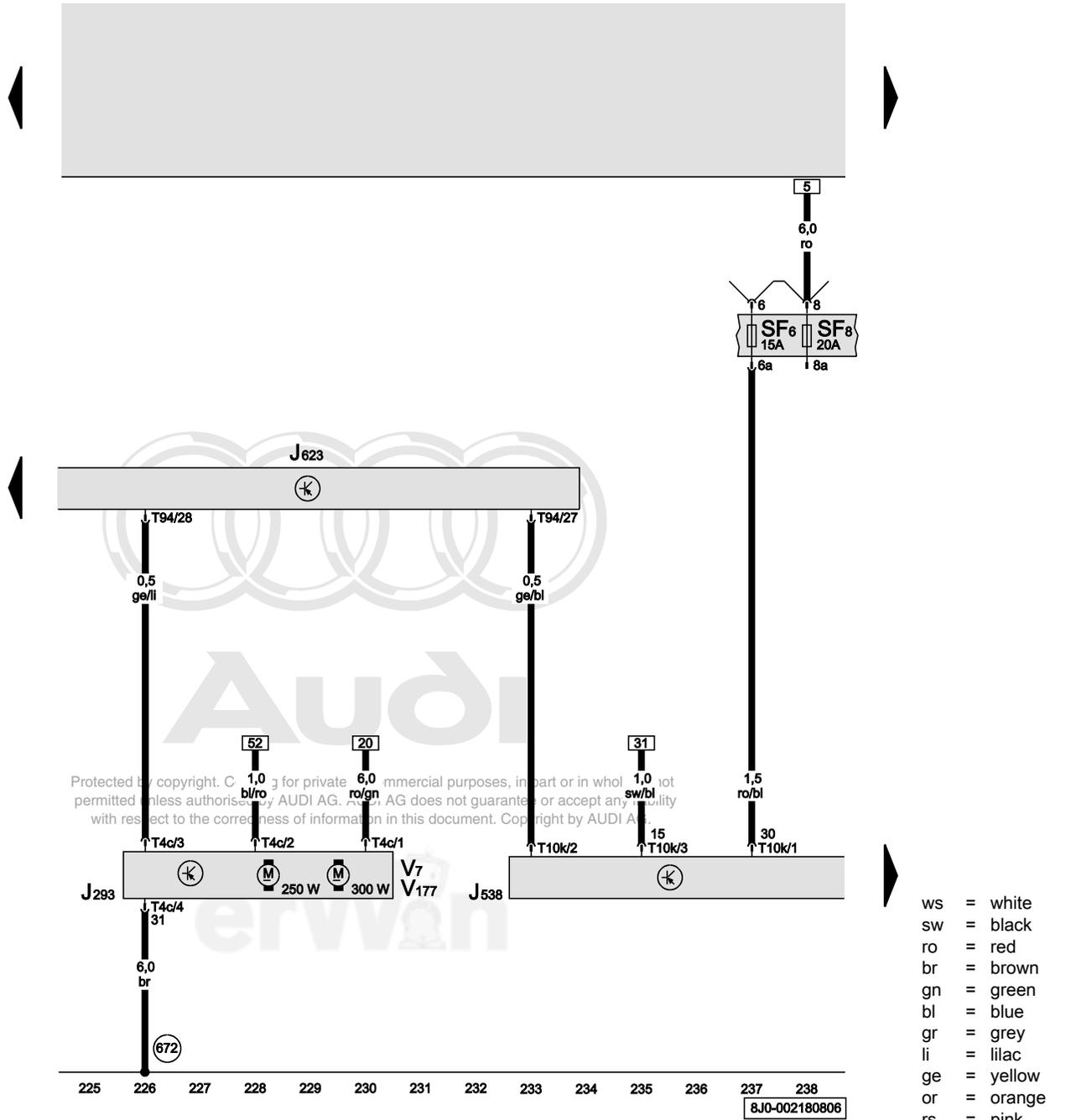
- J151 Coolant Circulation Pump Relay
- J623 Engine Control Module (ECM)
- T4s 4-Pin Connector, black, in engine compartment, front left
- T94 94-Pin Connector, on engine control module (ECM)
- V51 After-Run Coolant Pump
- V144 Leak Detection Pump (LDP)
- \* Relay and fuse carrier in electronics box engine compartment
- \*\* Models with leak detection pump (LDP)
- # Through May 2007
- ## from June 2007



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

Engine Control Module (ECM), Fuel Pump (FP) Control Module, Coolant Fan Control (FC) Control Module, Coolant Fan

- J293 Coolant Fan Control (FC) Control Module
- J538 Fuel Pump (FP) Control Module
- J623 Engine Control Module (ECM)
- SF6 Fuse 6 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T4c 4-Pin Connector, black, on coolant fan control (FC) control module
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T94 94-Pin Connector, on engine control module (ECM)
- V7 Coolant Fan
- V177 Coolant Fan 2
- 672 Ground Connection 2 (on left front long member)



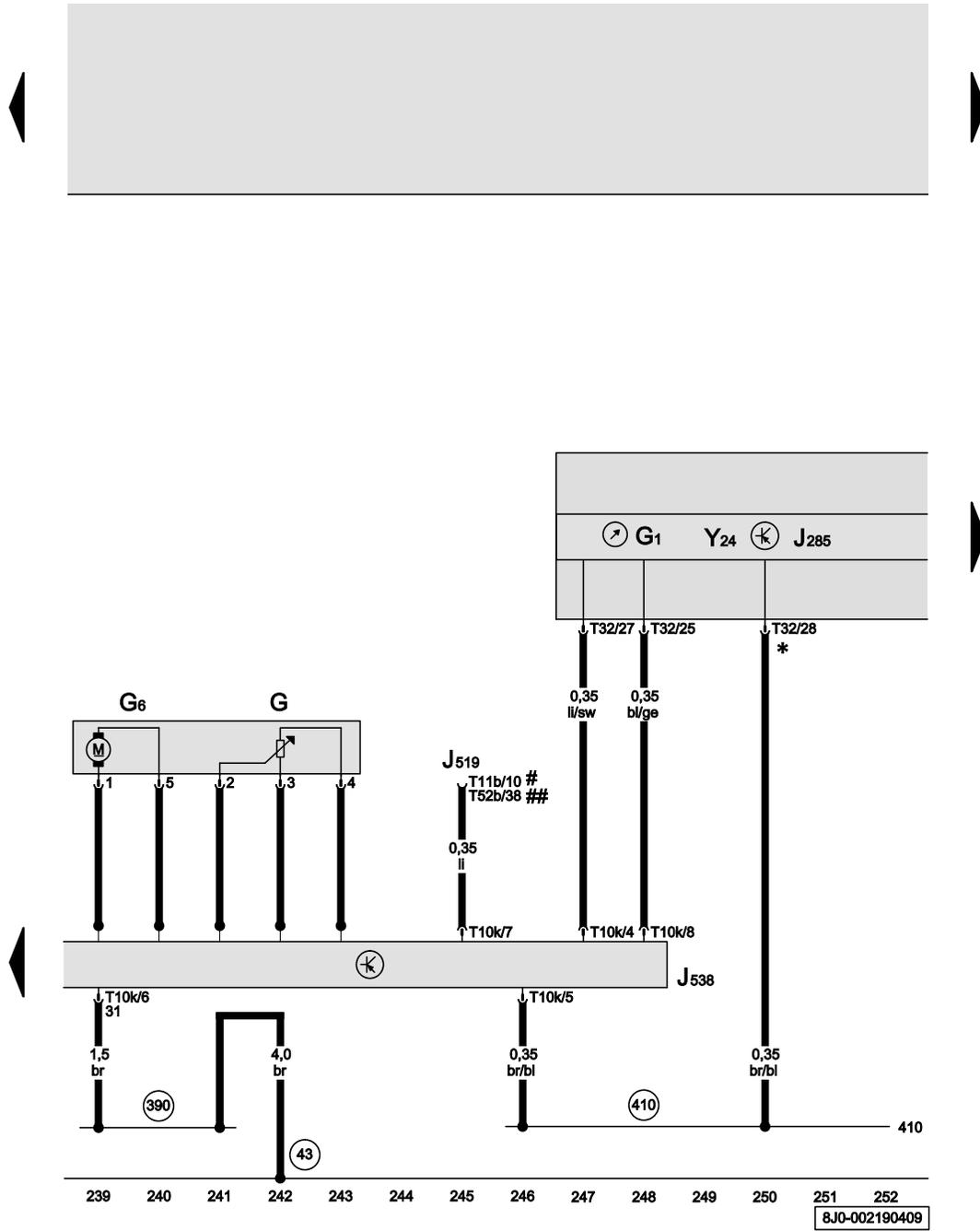
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without authorization by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-002180806

Instrument Cluster Control Module, Fuel Pump (FP) Control Module, Fuel Level Sensor, Transfer Fuel Pump (FP)

- G Fuel Level Sensor
- G1 Fuel Gauge
- G6 Transfer Fuel Pump (FP)
- J285 Instrument Cluster Control Module
- J519 Vehicle Electrical System Control Module
- J538 Fuel Pump (FP) Control Module
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T32 32-Pin Connector, blue, on instrument cluster control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- Y24 Display Unit in Instrument Cluster
- 43 Ground Connection (on right lower A-pillar)
- 390 Ground Connection 25 (in main wiring harness)
- 410 Sensor Ground Connection 1 (in main wiring harness)
- \* Output Sensor
- # Through May 2009
- ## from June 2009



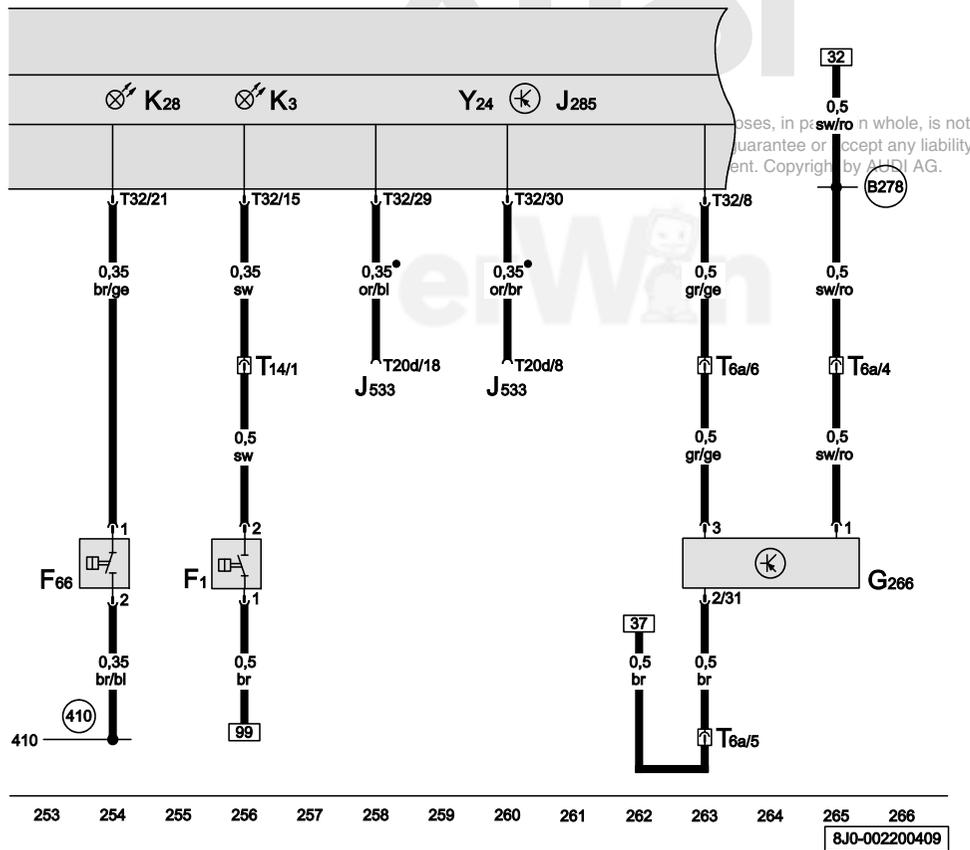
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-002190409

Instrument Cluster Control Module, Oil Pressure Switch, Engine Coolant Level (ECL) Warning Switch, Oil Level Thermal Sensor

- F1 Oil Pressure Switch
  - F66 Engine Coolant Level (ECL) Warning Switch
  - G266 Oil Level Thermal Sensor
  - J285 Instrument Cluster Control Module
  - J533 Data Bus On Board Diagnostic Interface
  - K3 Oil Pressure Warning Lamp
  - K28 Engine Coolant Level/Temperature (ECL/ECT) Warning Lamp
  - T6a 6-Pin Connector, black, in engine compartment, front left
  - T14 14-Pin Connector, black, in left front engine compartment
  - T20d 20-Pin Connector, black, on data bus on board diagnostic interface
  - T32 32-Pin Connector, blue, on instrument cluster control module
  - Y24 Display Unit in Instrument Cluster
- 410 Sensor Ground Connection 1 (in main wiring harness)
  - B278 Plus Connection 2 (15a) (in main wiring harness)
    - CAN-Bus (data wire)



### 3.2L fuel injection engine (cylinder 6), BUB

from model year 2007

### 3.2L fuel injection engine (cylinder 6), CBRA

from model year 2007

**Note:**

Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground Connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



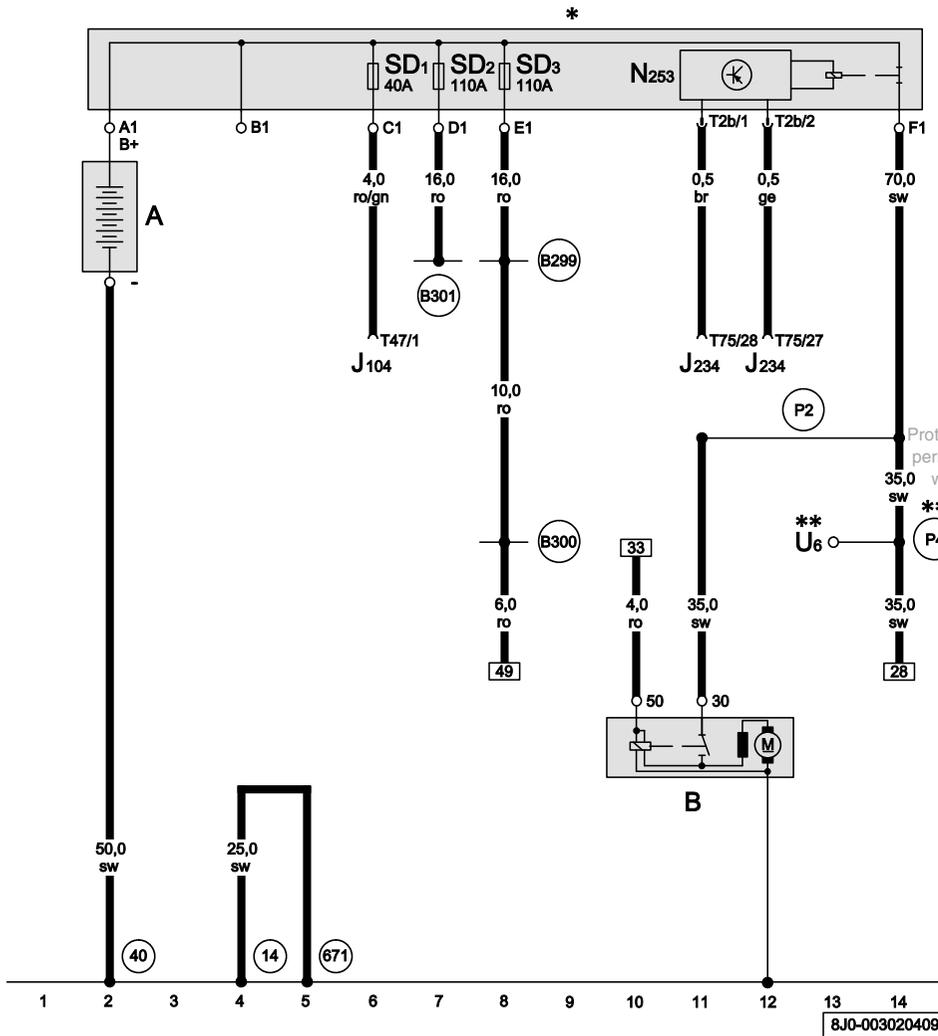
Battery, Starter, Battery Interrupt Igniter, Main Fuse Panel, in right rear luggage compartment on battery

- A Battery
- B Starter
- J104 ABS Control Module
- J234 Airbag Control Module
- N253 Battery Interrupt Igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double Connector, purple, on battery interrupt igniter
- T47 47-Pin Connector, on ABS control module
- T75 75-Pin Connector, yellow, on airbag control module
- U6 Battery Jump Start Terminal

- 14 Ground Connection on transmission
- 40 Ground Connection (below rear seat bench, right)
- 671 Ground Connection 1 (on left front long member)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- P2 Plus Connection (30) (in battery wiring harness)
- P4 Plus Connection 2 (30) (in battery wiring harness)

- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Models with battery jump start terminal

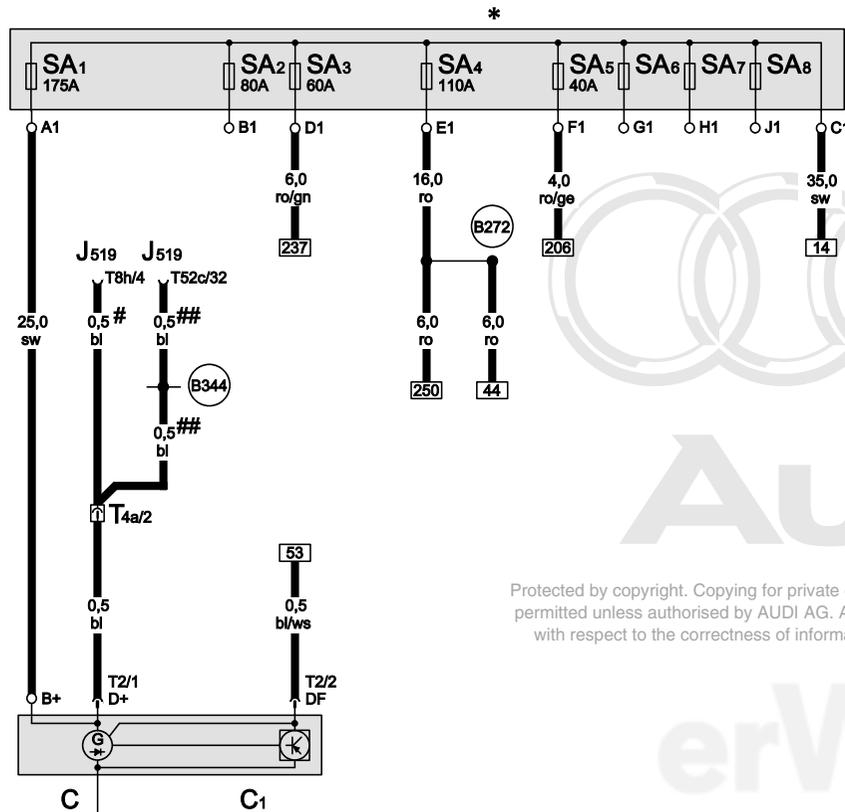
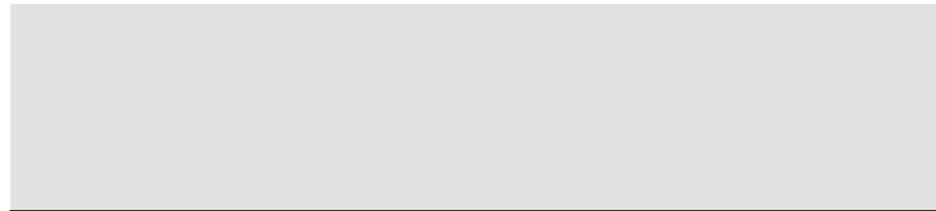
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



8J0-003020409

Generator (GEN), Main Fuse Panel Electronics Box, in engine compartment

- C Generator (GEN)
- C1 Voltage Regulator (VR)
- J519 Vehicle Electrical System Control Module
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T2 Double Connector, purple, on generator
- T4a 4-Pin Connector, black, in engine compartment, front left
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- (B272) Plus Connection (30) (in main wiring harness)
- (B344) Connection 1 (61) (in main wiring harness)
- \* Main fuse panel electronics box, in front left engine compartment
- # Through May 2009
- ## from June 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

15 16 17 18 19 20 21 22 23 24 25 26 27 28

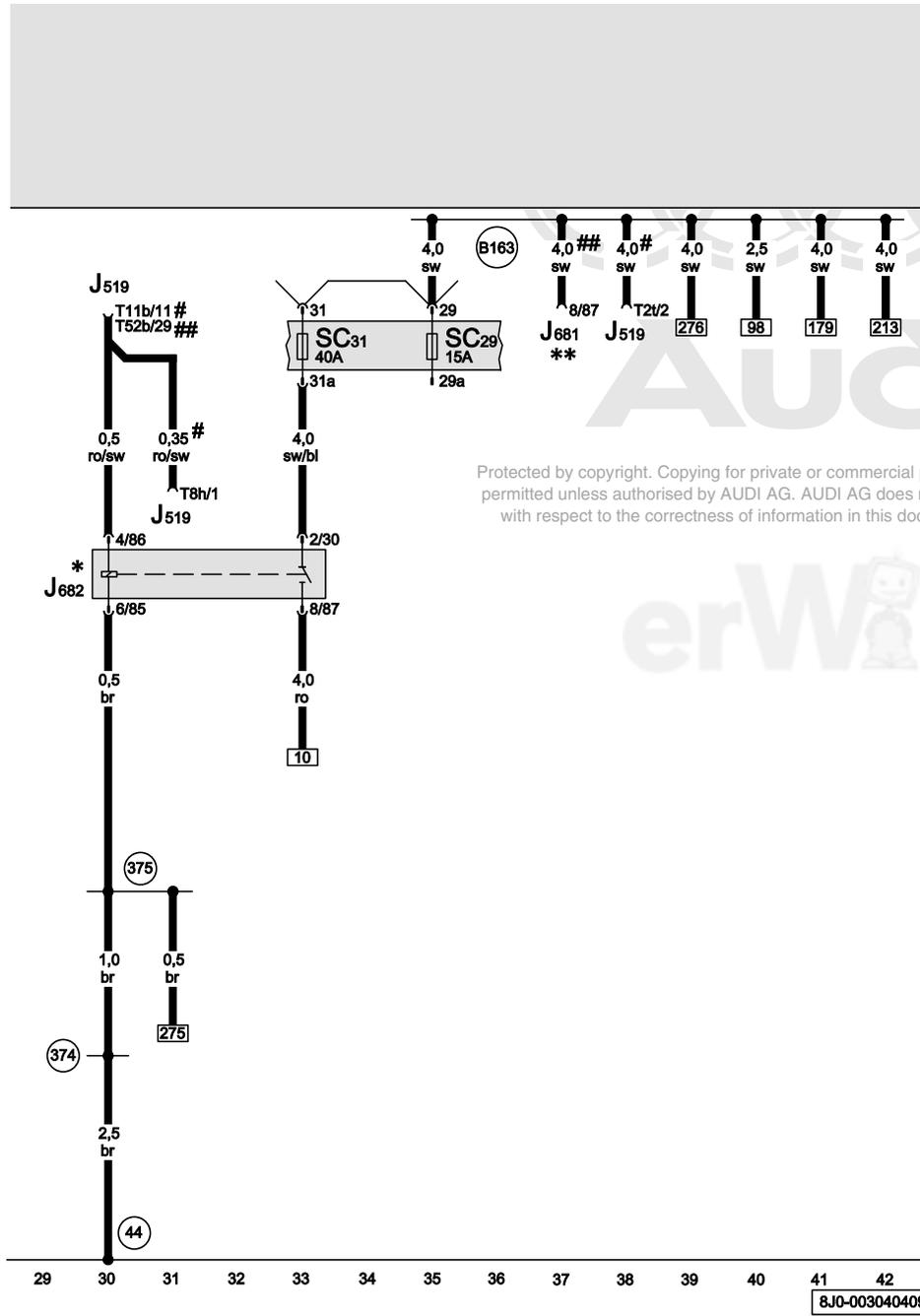
8J0-003030409

Power Supply Relay (terminal 50), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- J682 Power Supply Relay (terminal 50)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)

- \* Relay panel under instrument panel, left
- \*\* Relay Carrier on Vehicle Electrical System Control Module
- # Through May 2009
- ## from June 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

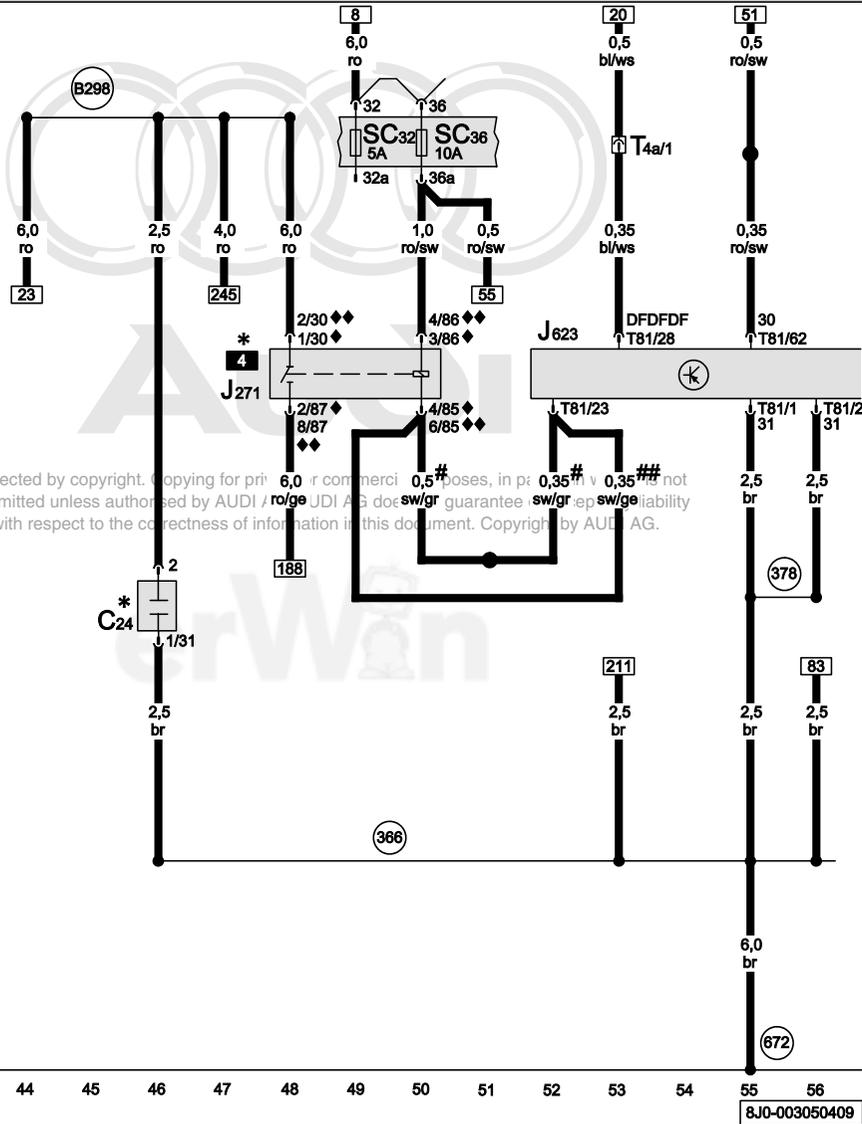
8J0-003040409

Engine Control Module (ECM), Motronic Engine Control Module (ECM) Power Supply Relay, Suppressor

- C24 Suppressor
- J271 Motronic Engine Control Module (ECM) Power Supply Relay
- J623 Engine Control Module (ECM)
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T4a 4-Pin Connector, black, in engine compartment, front left
- T81 81-Pin Connector, black, on engine control module (ECM)

- 366 Ground Connection 1 (in main wiring harness)
- 378 Ground Connection 13 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B298 Plus Connection 2 (30) (in main wiring harness)
- \* Relay and fuse carrier in electronics box engine compartment
- ◆ Through May 2008
- ◆◆ from June 2008
- # Through May 2009
- ## from June 2009

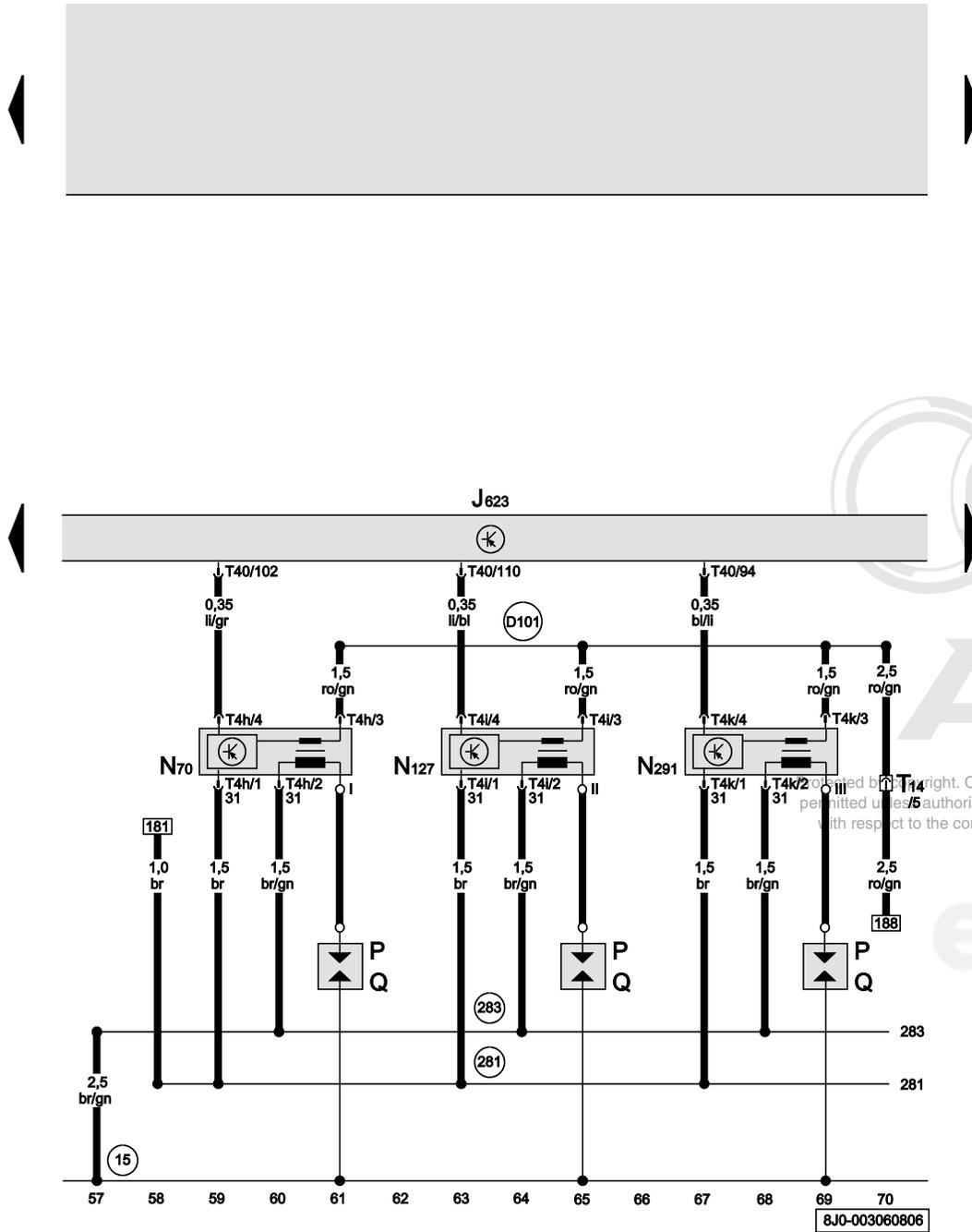
Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Engine Control Module (ECM), Ignition Coil 1 through 3 with Power Output Stage

- J623 Engine Control Module (ECM)
- N70 Ignition Coil 1 with Power Output Stage
- N127 Ignition Coil 2 with Power Output Stage
- N291 Ignition Coil 3 with Power Output Stage
- P Spark Plug Connectors
- Q Spark Plugs
- T4h 4-Pin Connector, black, on ignition coil 1 with power output stage
- T4i 4-Pin Connector, black, on ignition coil 2 with power output stage
- T4k 4-Pin Connector, black, on ignition coil 3 with power output stage
- T14 14-Pin Connector, black, in left front engine compartment
- T40 40-Pin Connector, black, on engine control module (ECM)
- 15 Ground Connection (on cylinder head)
- 281 Ground Connection 1 (in engine pre-wiring wiring harness)
- 283 Ground Connection 2 (in engine pre-wiring wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)

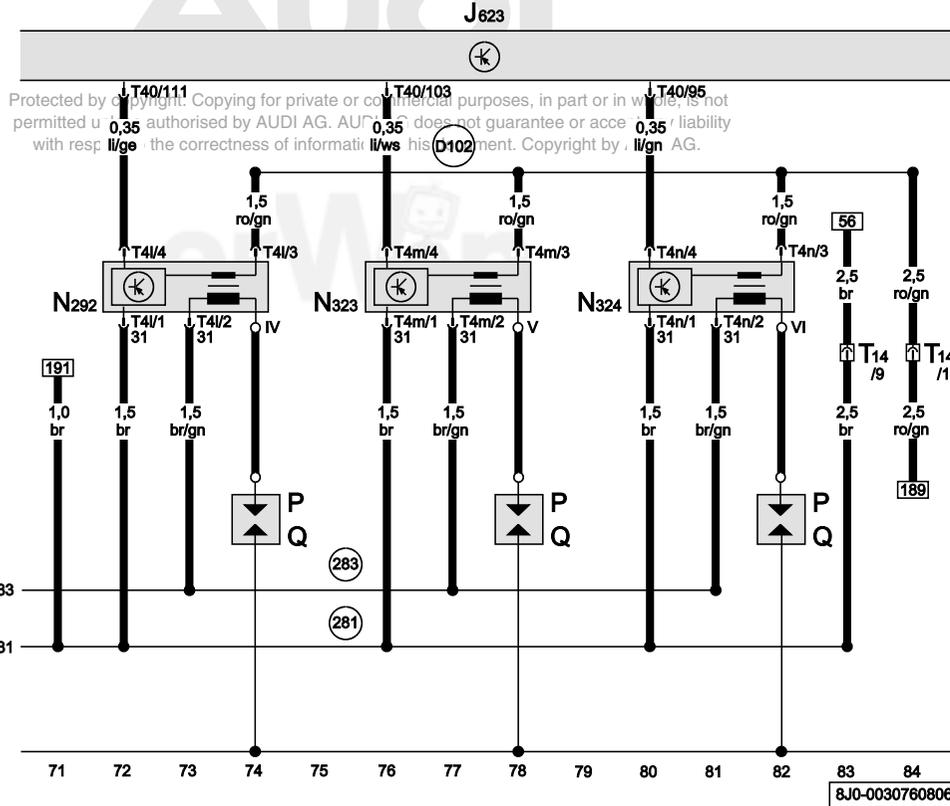


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Ignition Coil 4 through 6 with Power Output Stage

- J623 Engine Control Module (ECM)
- N292 Ignition Coil 4 with Power Output Stage
- N323 Ignition Coil 5 with Power Output Stage
- N324 Ignition Coil 6 with Power Output Stage
- P Spark Plug Connectors
- Q Spark Plugs
- T4l 4-Pin Connector, black, on ignition coil 4 with power output stage
- T4m 4-Pin Connector, black, on ignition coil 5 with power output stage
- T4n 4-Pin Connector, black, on ignition coil 6 with power output stage
- T14 14-Pin Connector, black, in left front engine compartment
- T40 40-Pin Connector, black, on engine control module (ECM)

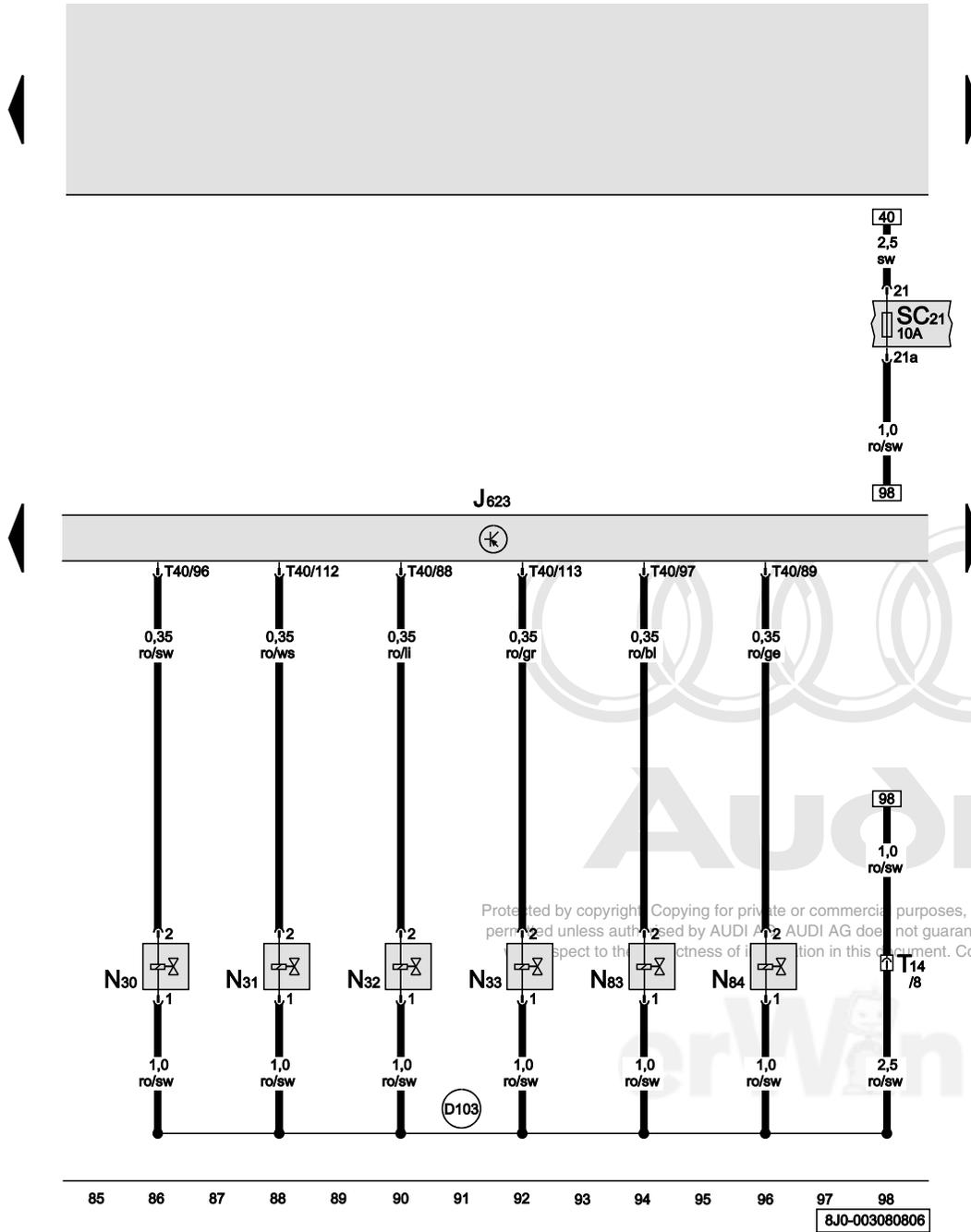
- (281) Ground Connection 1 (in engine pre-wiring wiring harness)
- (283) Ground Connection 2 (in engine pre-wiring wiring harness)
- (D102) Connection 2 (in engine compartment wiring harness)



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

Engine Control Module (ECM), Cylinder 1 through 6 Fuel Injector

- J623 Engine Control Module (ECM)
- N30 Cylinder 1 Fuel Injector
- N31 Cylinder 2 Fuel Injector
- N32 Cylinder 3 Fuel Injector
- N33 Cylinder 4 Fuel Injector
- N83 Cylinder 5 Fuel Injector
- N84 Cylinder 6 Fuel Injector
- SC21 Fuse 21 (on fuse panel C)
- T14 14-Pin Connector, black, in left front engine compartment
- T40 40-Pin Connector, black, on engine control module (ECM)
- D103 Connection 3 (in engine compartment wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability in respect to the correctness of information in this document. Copyright by AUDI AG.

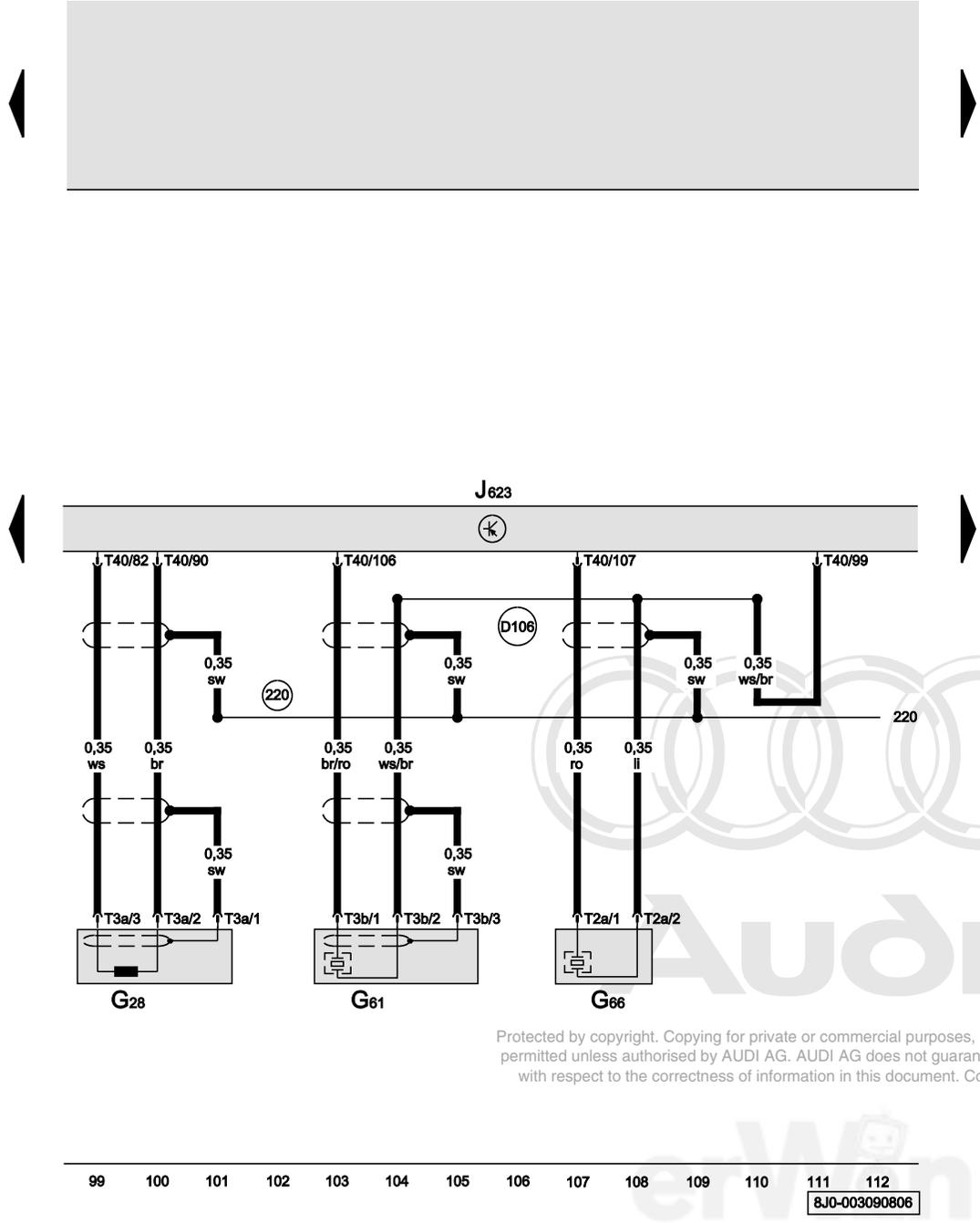
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-003080806

Engine Control Module (ECM), Engine Speed (RPM) Sensor, Knock Sensors

- G28 Engine Speed (RPM) Sensor
- G61 Knock Sensor (KS) 1
- G66 Knock Sensor (KS) 2
- J623 Engine Control Module (ECM)
- T2a Double Connector, black, on knock sensor 2
- T3a 3-Pin Connector, grey, on engine speed (RPM) sensor
- T3b 3-Pin Connector, black, on knock sensor 1
- T40 40-Pin Connector, black, on engine control module (ECM)

- (220) Sensor Ground Connection (in engine wiring harness)
- (D106) Connection 4 (in engine compartment wiring harness)



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

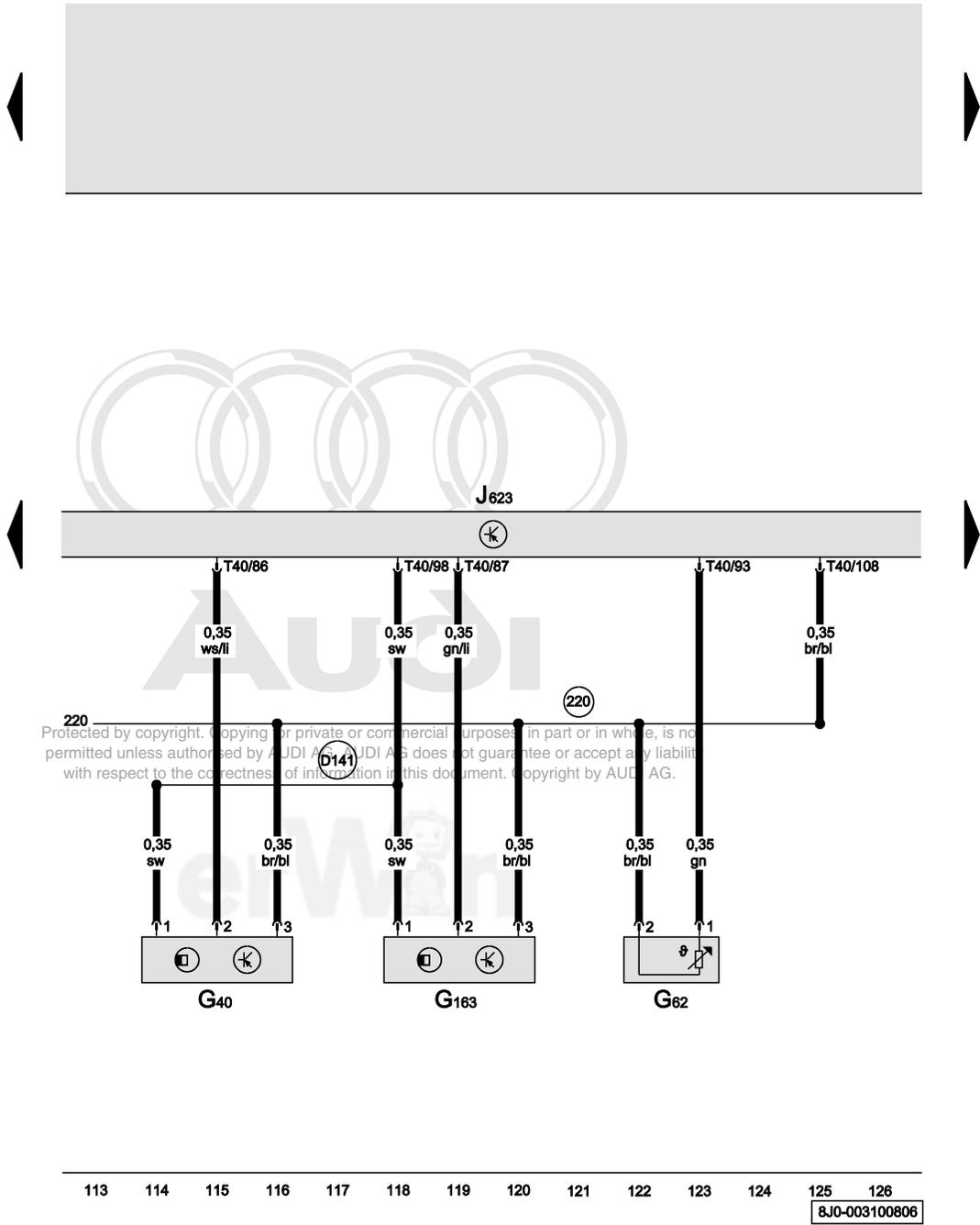
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG

Engine Control Module (ECM), Camshaft Position (CMP) Sensor, Engine Coolant Temperature (ECT) Sensor

- G40 Camshaft Position (CMP) Sensor
- G62 Engine Coolant Temperature (ECT) Sensor
- G163 Camshaft Position (CMP) Sensor 2
- J623 Engine Control Module (ECM)
- T40 40-Pin Connector, black, on engine control module (ECM)

(220) Sensor Ground Connection (in engine wiring harness)

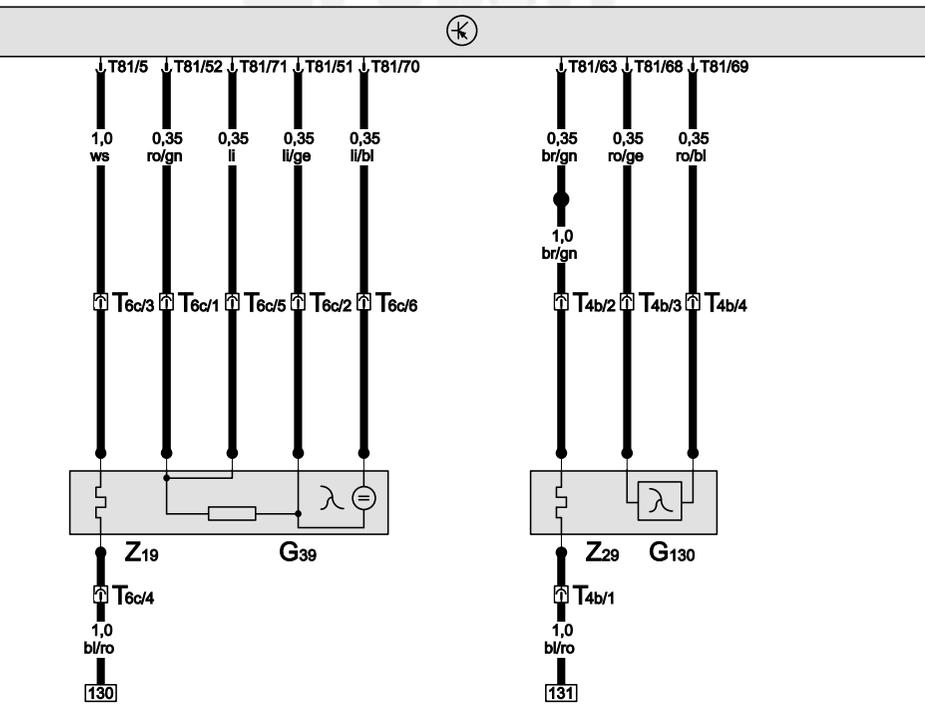
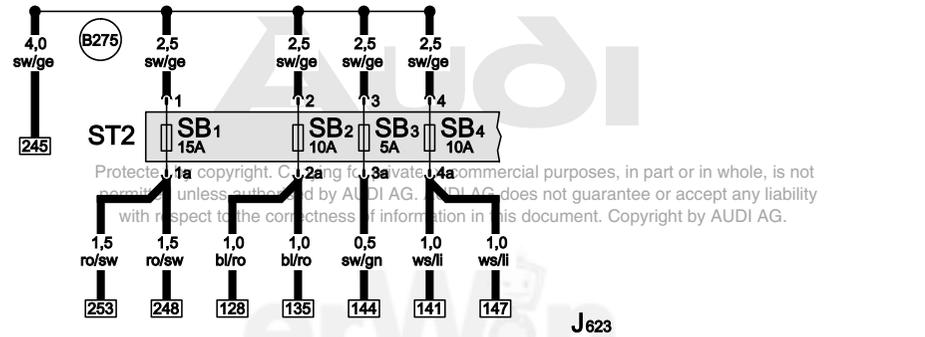
(D141) Connection (5V) (in engine pre-wiring wiring harness)



Engine Control Module (ECM), Heated Oxygen Sensor (HO2S), Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC), Oxygen Sensor (O2S) Heater, Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC), Fuses

- G39 Heated Oxygen Sensor (HO2S)
- G130 Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC)
- J623 Engine Control Module (ECM)
- SB1 Fuse 1 (on fuse panel B)
- SB2 Fuse 2 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- T4b 4-Pin Connector, black, on oxygen sensor (O2S) behind three way catalytic converter (TWC)
- T6c 6-Pin Connector, black, on heated oxygen sensor (HO2S)
- T81 81-Pin Connector, black, on engine control module (ECM)
- Z19 Oxygen Sensor (O2S) Heater
- Z29 Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC)

(B275) Plus Connection (87) (in main wiring harness)



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

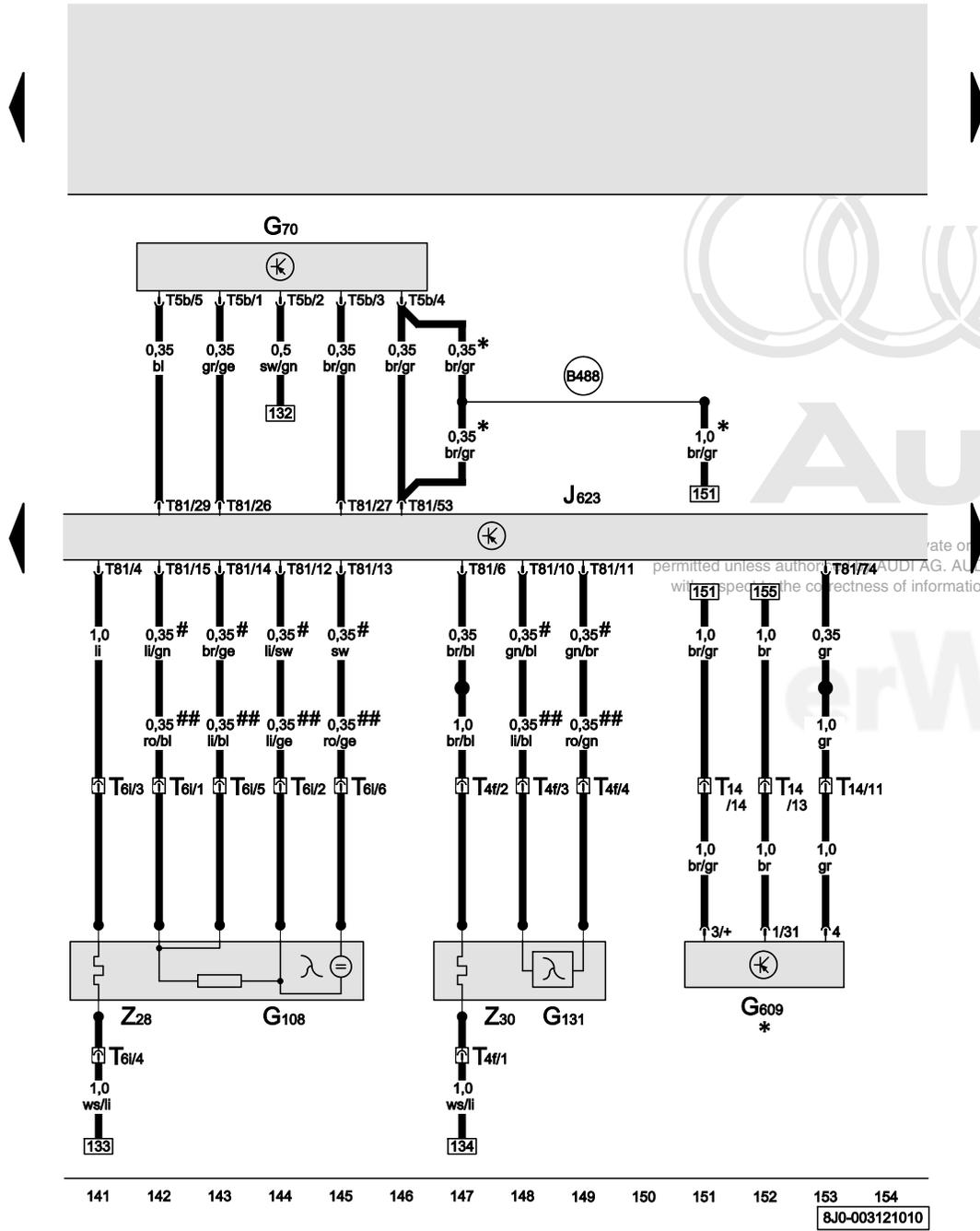
Engine Control Module (ECM), Heated Oxygen Sensor (HO2S) 2, Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC), Oxygen Sensor (O2S) Heater 2, Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC)), Mass Air Flow (MAF) Sensor, Secondary Air Injection (AIR) Sensor 1

- G70 Mass Air Flow (MAF) Sensor
- G108 Heated Oxygen Sensor (HO2S) 2
- G131 Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC)
- G609 Secondary Air Injection (AIR) Sensor 1
- J623 Engine Control Module (ECM)
- T4f 4-Pin Connector, brown, on oxygen sensor (O2S) 2 behind three way catalytic converter (TWC)
- T5b 5-Pin Connector, black, on mass air flow (MAF) sensor
- T6i 6-Pin Connector, brown, on heated oxygen sensor 2 (HO2S)
- T14 14-Pin Connector, black, in left front engine compartment
- T81 81-Pin Connector, black, on engine control module (ECM)
- Z28 Oxygen Sensor (O2S) Heater 2
- Z30 Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC))

B488 Connection 24 (in main wiring harness)

\* Models with exhaust concept LEV2 (7GA)  
 # Through May 2008  
 ## from June 2008

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



Engine Control Module (ECM), Engine Coolant Temperature (ECT) Sensor (on Radiator), Throttle Valve Control Module, Throttle Position (TP) Sensor

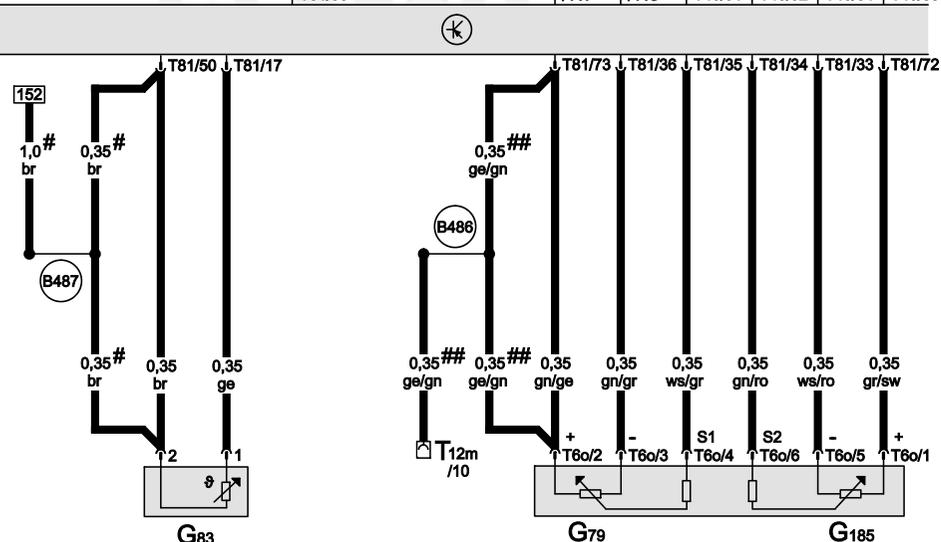
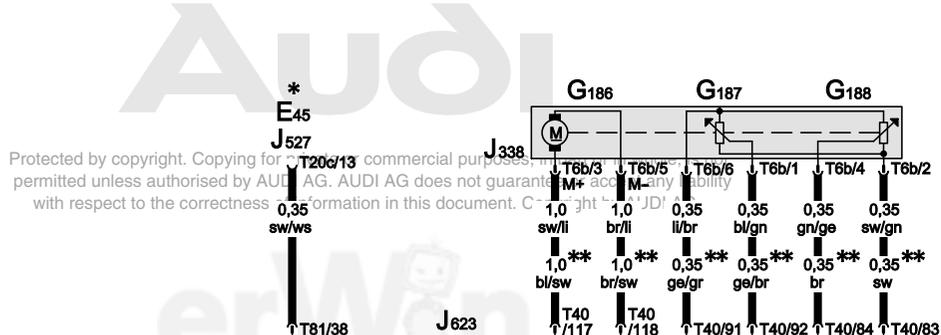
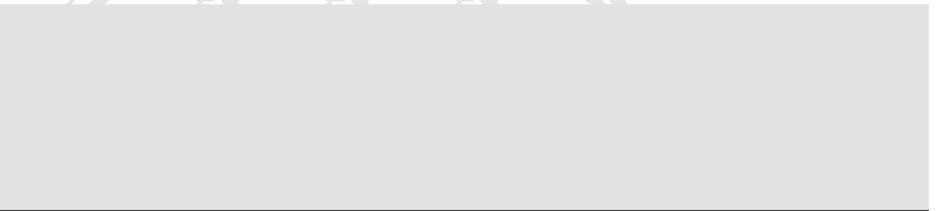
- E45 Cruise Control Switch
- G79 Throttle Position (TP) Sensor
- G83 Engine Coolant Temperature (ECT) Sensor (on Radiator)
- G185 Accelerator Pedal Position Sensor 2
- G186 Throttle Drive (for Electronic Power Control (EPC))
- G187 Throttle Drive Angle Sensor 1 (for Electronic Power Control (EPC))
- G188 Throttle Drive Angle Sensor 2 (for Electronic Power Control (EPC))
- J338 Throttle Valve Control Module
- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- T6b 6-Pin Connector, black, on throttle valve control module
- T6o 6-Pin Connector, black, on throttle position (TP) sensor
- T12m 12-Pin Connector, brown, in rear right luggage compartment
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T40 40-Pin Connector, black, on engine control module (ECM)
- T81 81-Pin Connector, black, on engine control module (ECM)

(B486) Connection 22 (in main wiring harness)

(B487) Connection 23 (in main wiring harness)

- \* Models with cruise control system
- \*\* Phased-in modification
- # Models with exhaust concept LEV2 (7GA)
- ## from June 2007

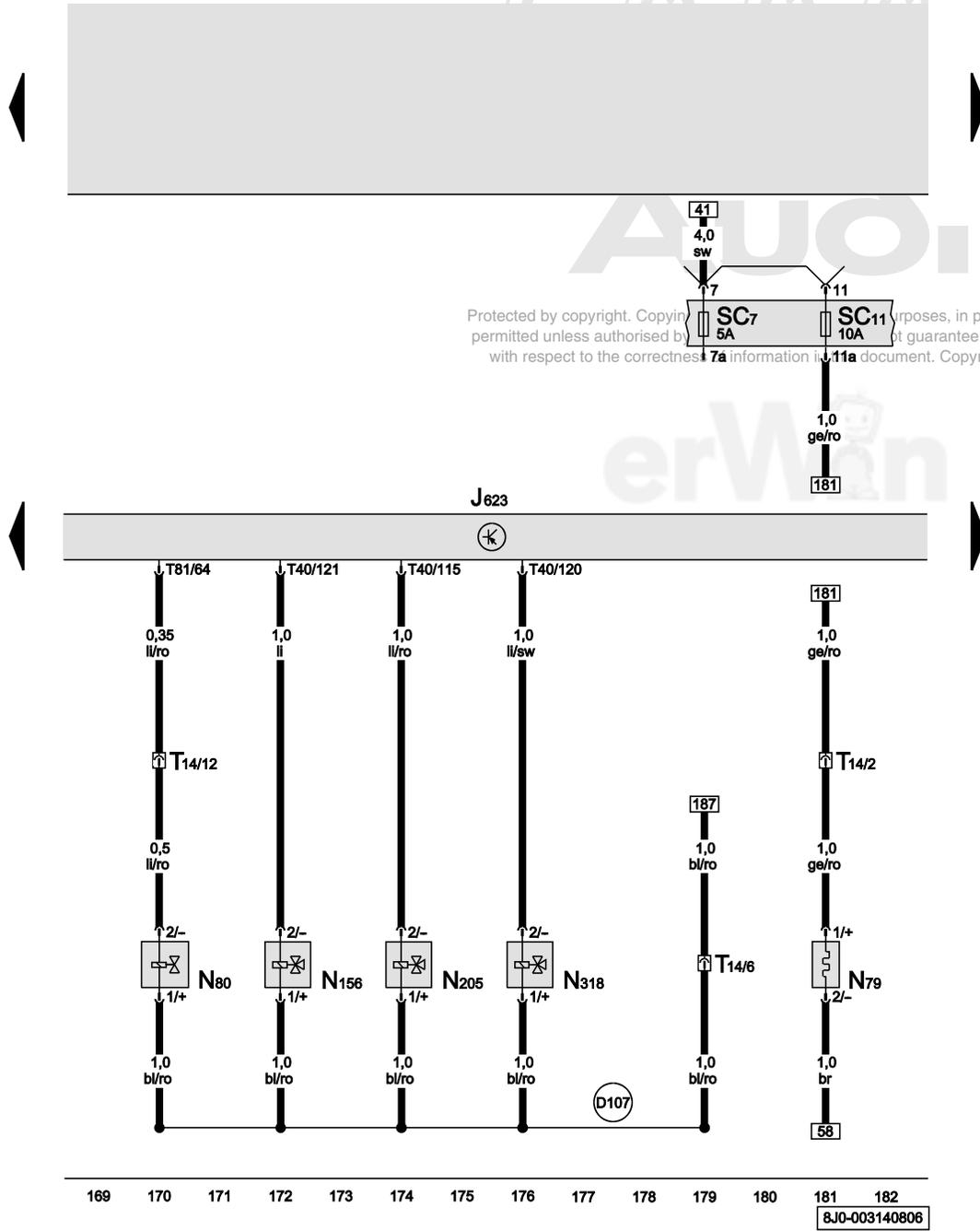
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



**Engine Control Module (ECM), Evaporative Emission (EVAP) Canister Purge Regulator Valve 1, Intake Manifold Tuning (IMT) Valve, Camshaft Adjustment Valve 1, Positive Crankcase Ventilation (PCV) Heating Element**

- J623 Engine Control Module (ECM)
- N79 Positive Crankcase Ventilation (PCV) Heating Element
- N80 Evaporative Emission (EVAP) Canister Purge Regulator Valve 1
- N156 Intake Manifold Tuning (IMT) Valve
- N205 Camshaft Adjustment Valve 1
- N318 Camshaft Adjustment Valve 1 (exhaust)
- SC7 Fuse 7 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T14 14-Pin Connector, black, in left front engine compartment
- T40 40-Pin Connector, black, on engine control module (ECM)
- T81 81-Pin Connector, black, on engine control module (ECM)
- D107 Connection 5 (in engine compartment wiring harness)

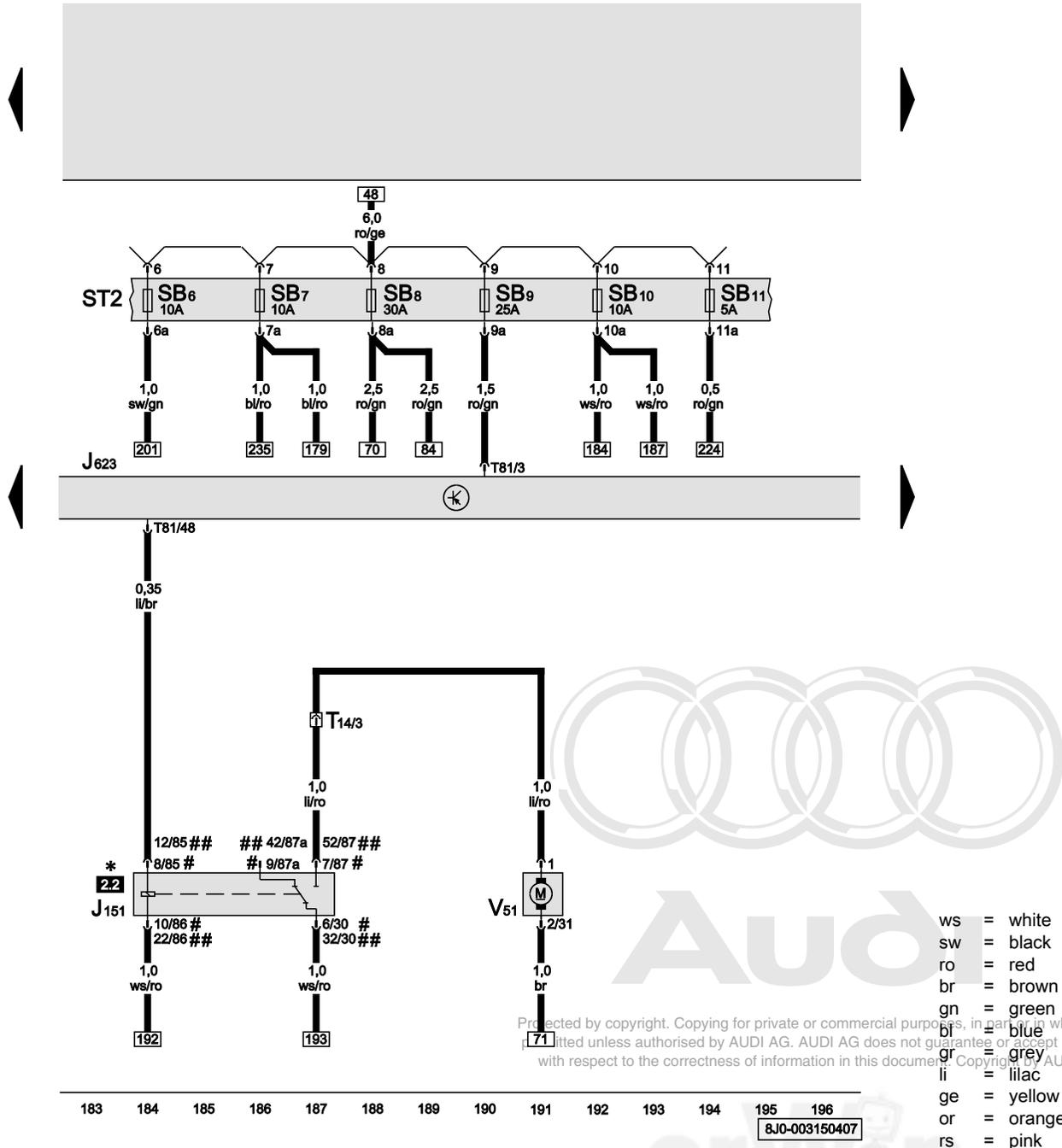
Protected by copyright. Copying for other purposes, in part or in whole, is not permitted unless authorised by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.



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

Engine Control Module (ECM), Coolant Circulation Pump Relay, After-Run Coolant Pump, Fuses

- J151 Coolant Circulation Pump Relay
- J623 Engine Control Module (ECM)
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- T14 14-Pin Connector, black, in left front engine compartment
- T81 81-Pin Connector, black, on engine control module (ECM)
- V51 After-Run Coolant Pump
- \* Relay and fuse carrier in electronics box engine compartment
- # Through May 2007
- ## from June 2007



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © AUDI AG.

Engine Control Module (ECM), Secondary Air Injection (AIR) Pump Relay, Secondary Air Injection (AIR) Pump Motor, Leak Detection Pump (LDP), Secondary Air Injection (AIR) Solenoid Valve

- J299 Secondary Air Injection (AIR) Pump Relay
- J623 Engine Control Module (ECM)
- N112 Secondary Air Injection (AIR) Solenoid Valve
- N320 Secondary Air Injection (AIR) Solenoid Valve 2
- T81 81-Pin Connector, black, on engine control module (ECM)
- V101 Secondary Air Injection (AIR) Pump Motor
- V144 Leak Detection Pump (LDP)

367 Ground Connection 2 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

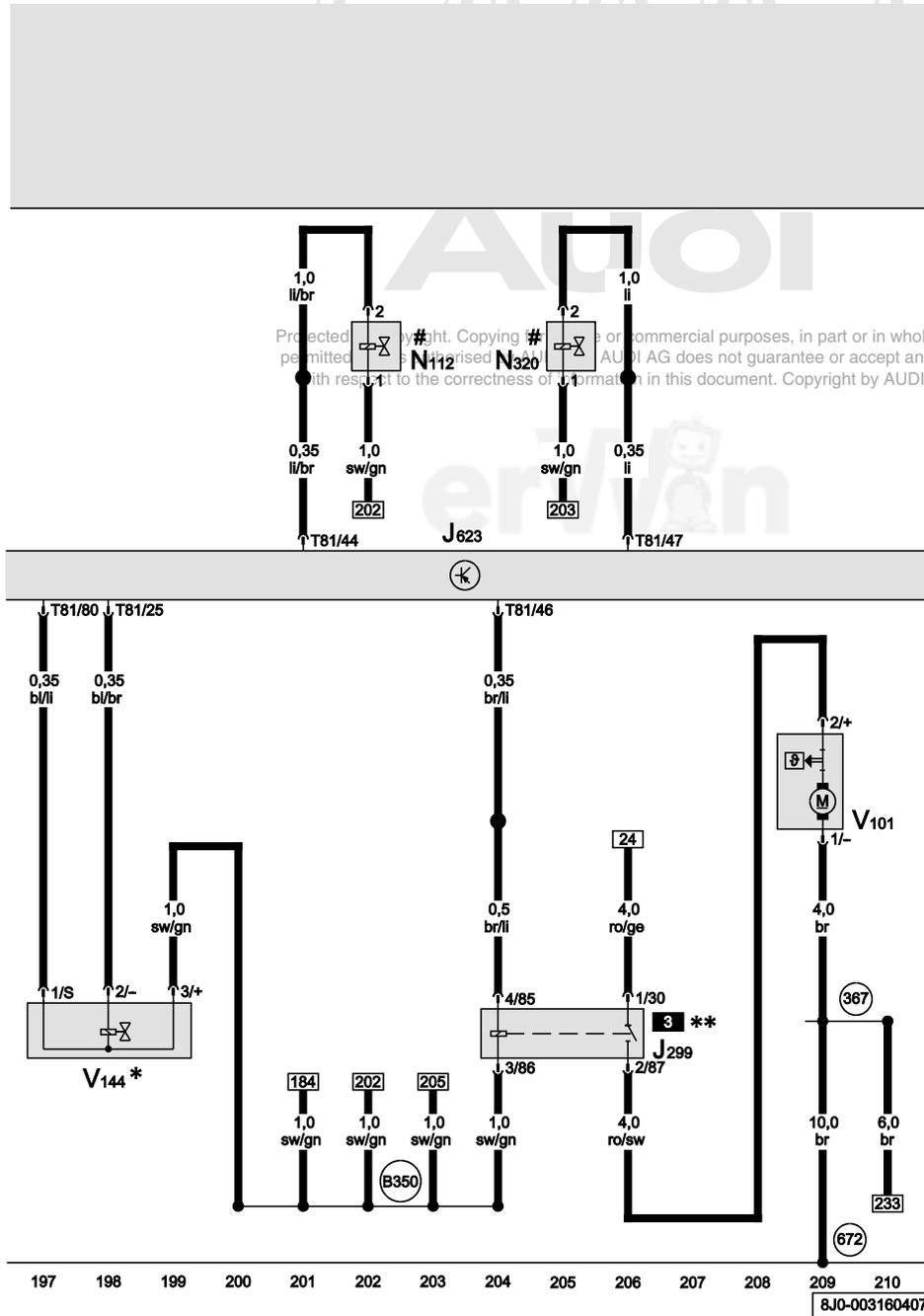
B350 Plus Connection 1 (87a) (in main wiring harness)

\* Models with leak detection pump (LDP)

\*\* Relay and fuse carrier in electronics box engine compartment

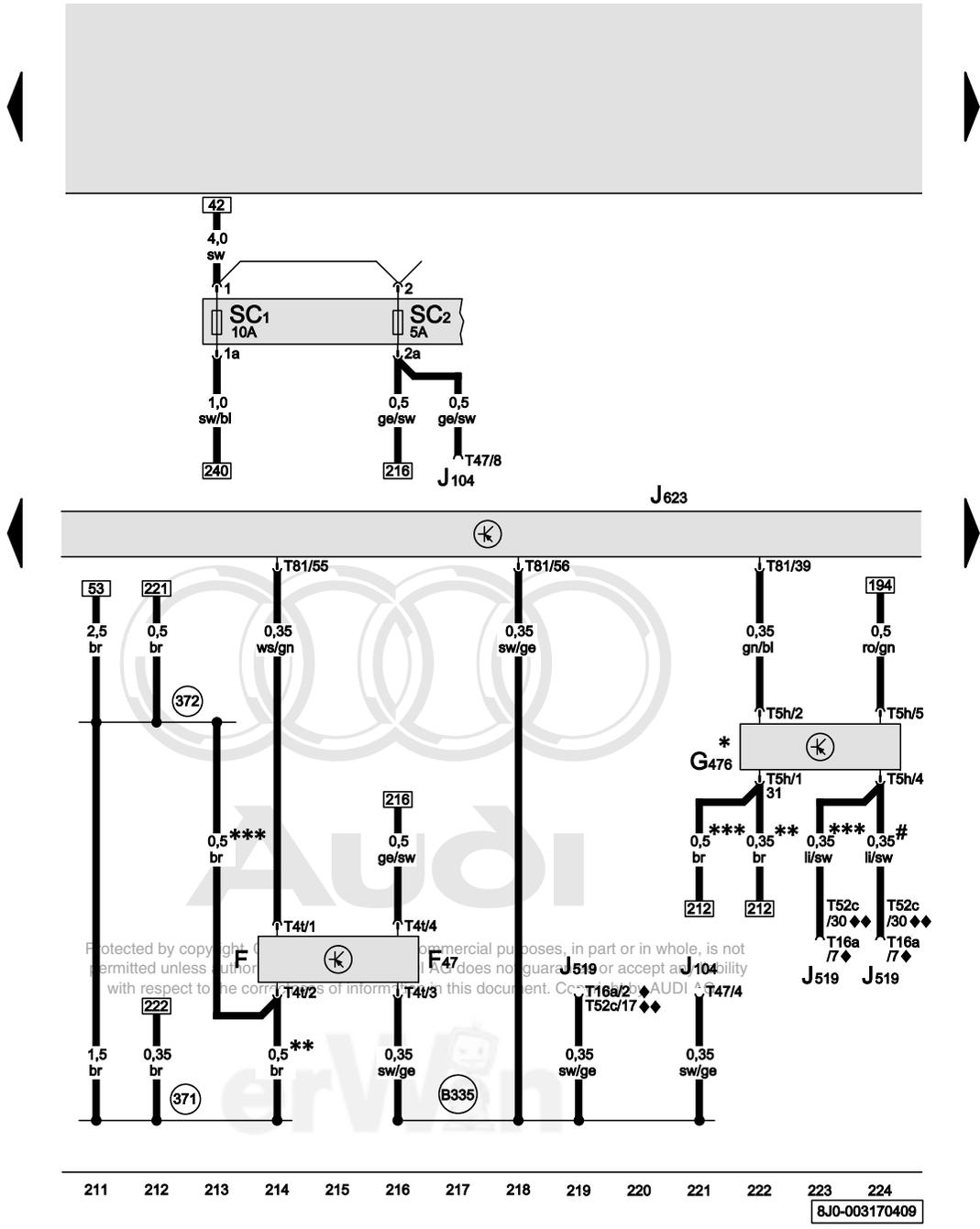
# Only USA

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the prior written permission of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Engine Control Module (ECM), Brake Light Switch, Brake Pedal Switch, Clutch Position Sensor

- F Brake Light Switch
- F47 Brake Pedal Switch
- G476 Clutch Position Sensor
- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- T4t 4-Pin Connector, black, on brake light switch
- T5h 5-Pin Connector, black, on clutch position sensor
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- T47 47-Pin Connector, on ABS control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- T81 81-Pin Connector, black, on engine control module (ECM)
- 371 Ground Connection 6 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- B335 Connection 1 (54) (in main wiring harness)
- \* Models with manual transmission
- \*\* Through May 2007
- \*\*\* from June 2007
- # Through May 2007 USA only
- ◆ Through May 2009
- ◆◆ from June 2009



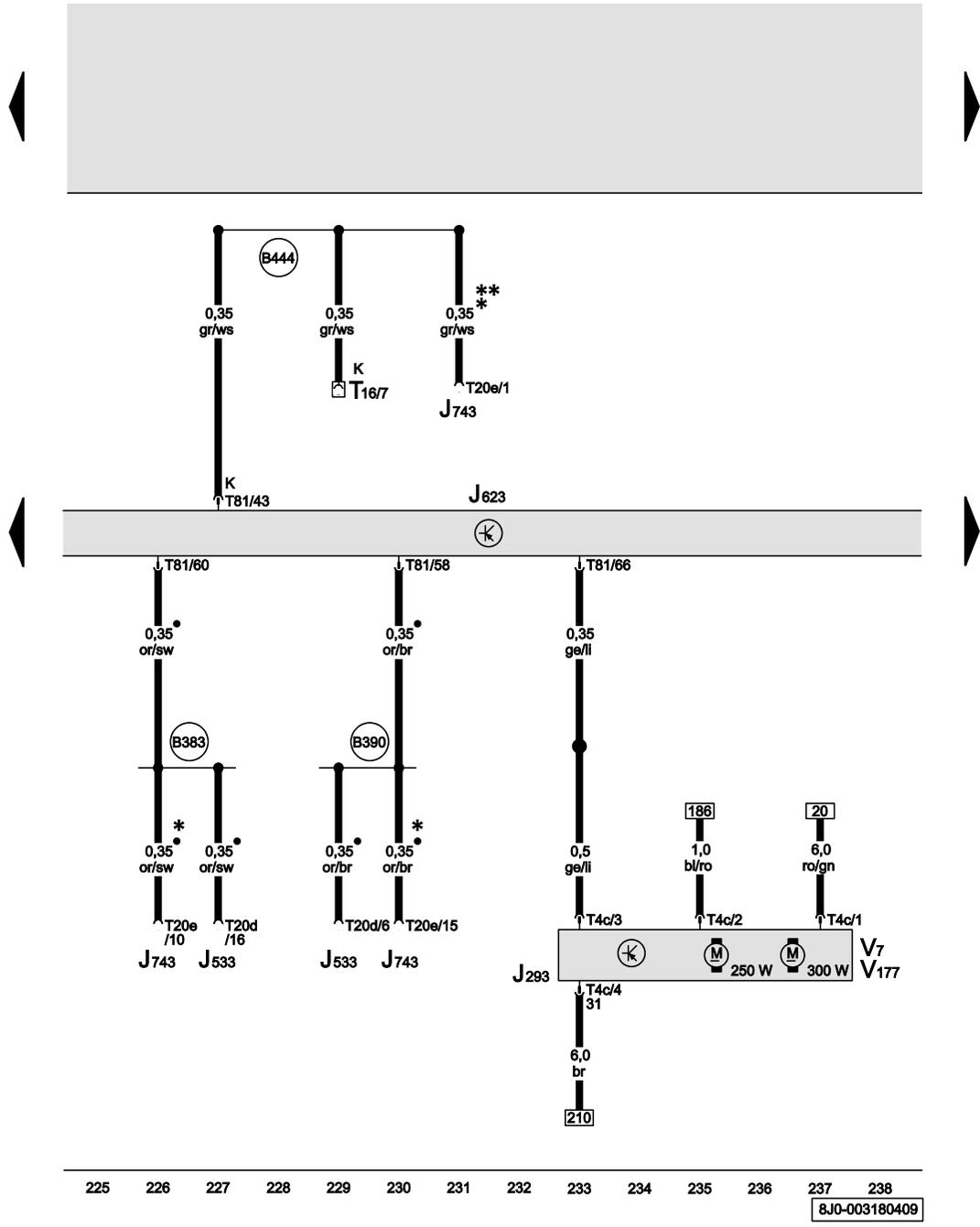
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Coolant Fan Control (FC) Control Module, Coolant Fan

- J293 Coolant Fan Control (FC) Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- T4c 4-Pin Connector, black, on coolant fan control (FC) control module
- T16 16-Pin Connector, Diagnostic Connector
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T81 81-Pin Connector, black, on engine control module (ECM)
- V7 Coolant Fan
- V177 Coolant Fan 2

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B444) OBD Connection 1 (in main wiring harness)

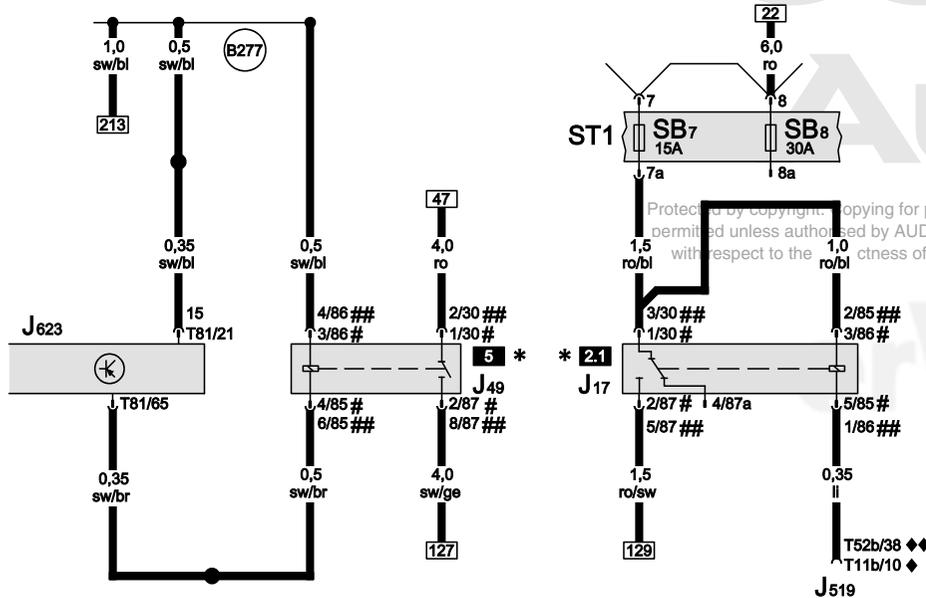
Protected by copyright. CAN-Bus (data wire) Models with direct shift gearbox 02E not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG. Not applicable from June 2008



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

Fuel Pump (FP) Relay, Fuel Pump (FP) 2 Relay

- J17 Fuel Pump (FP) Relay
- J49 Fuel Pump (FP) 2 Relay
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T81 81-Pin Connector, black, on engine control module (ECM)
- B277 Plus Connection 1 (15a) (in main wiring harness)
- \* Relay and fuse carrier in electronics box engine compartment
- # Through May 2007
- ## from June 2007
- ### Through May 2009
- ◆◆ from June 2009



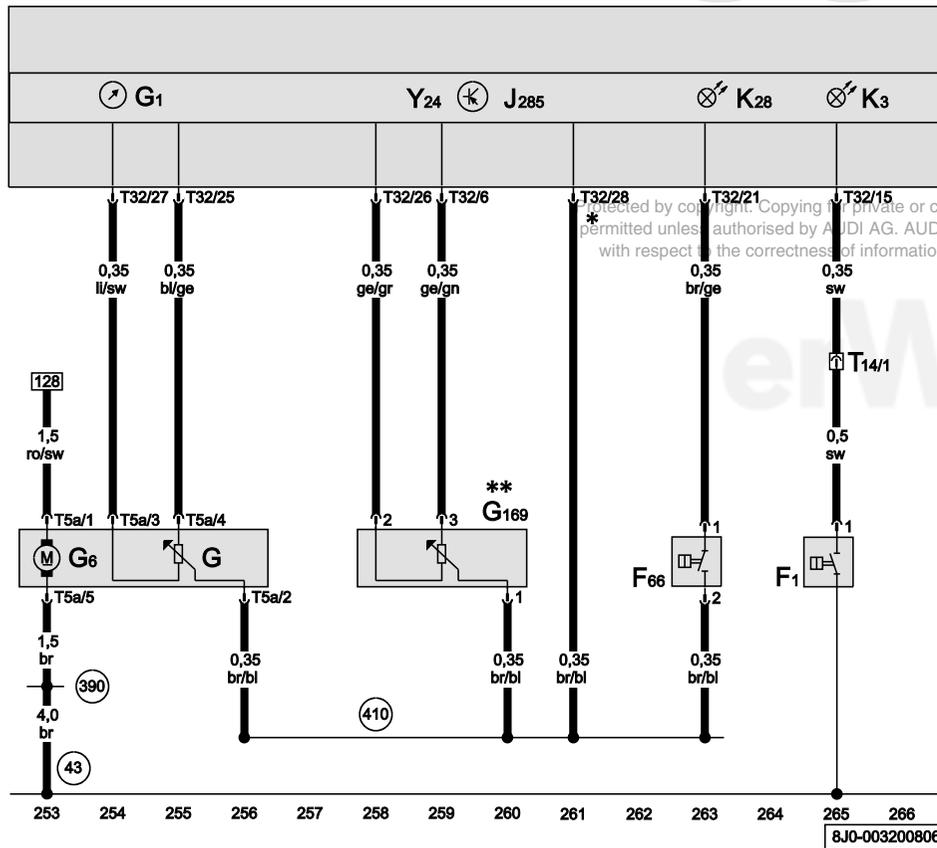
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Instrument Cluster Control Module, Oil Pressure Switch, Engine Coolant Level (ECL) Warning Switch, Fuel Level Sensor, Fuel Gauge, Transfer Fuel Pump (FP), Fuel Level Sensor 2

- F1 Oil Pressure Switch
- F66 Engine Coolant Level (ECL) Warning Switch
- G Fuel Level Sensor
- G1 Fuel Gauge
- G6 Transfer Fuel Pump (FP)
- G169 Fuel Level Sensor 2
- J285 Instrument Cluster Control Module
- K3 Oil Pressure Warning Lamp
- K28 Engine Coolant Level/Temperature (ECL/ECT) Warning Lamp
- T5a 5-Pin Connector, black, on fuel level sensor
- T14 14-Pin Connector, black, in left front engine compartment
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster

- 43 Ground Connection (on right lower A-pillar)
- 390 Ground Connection 25 (in main wiring harness)
- 410 Sensor Ground Connection 1 (in main wiring harness)

\* Output Sensor  
 \*\* Models with all-wheel drive

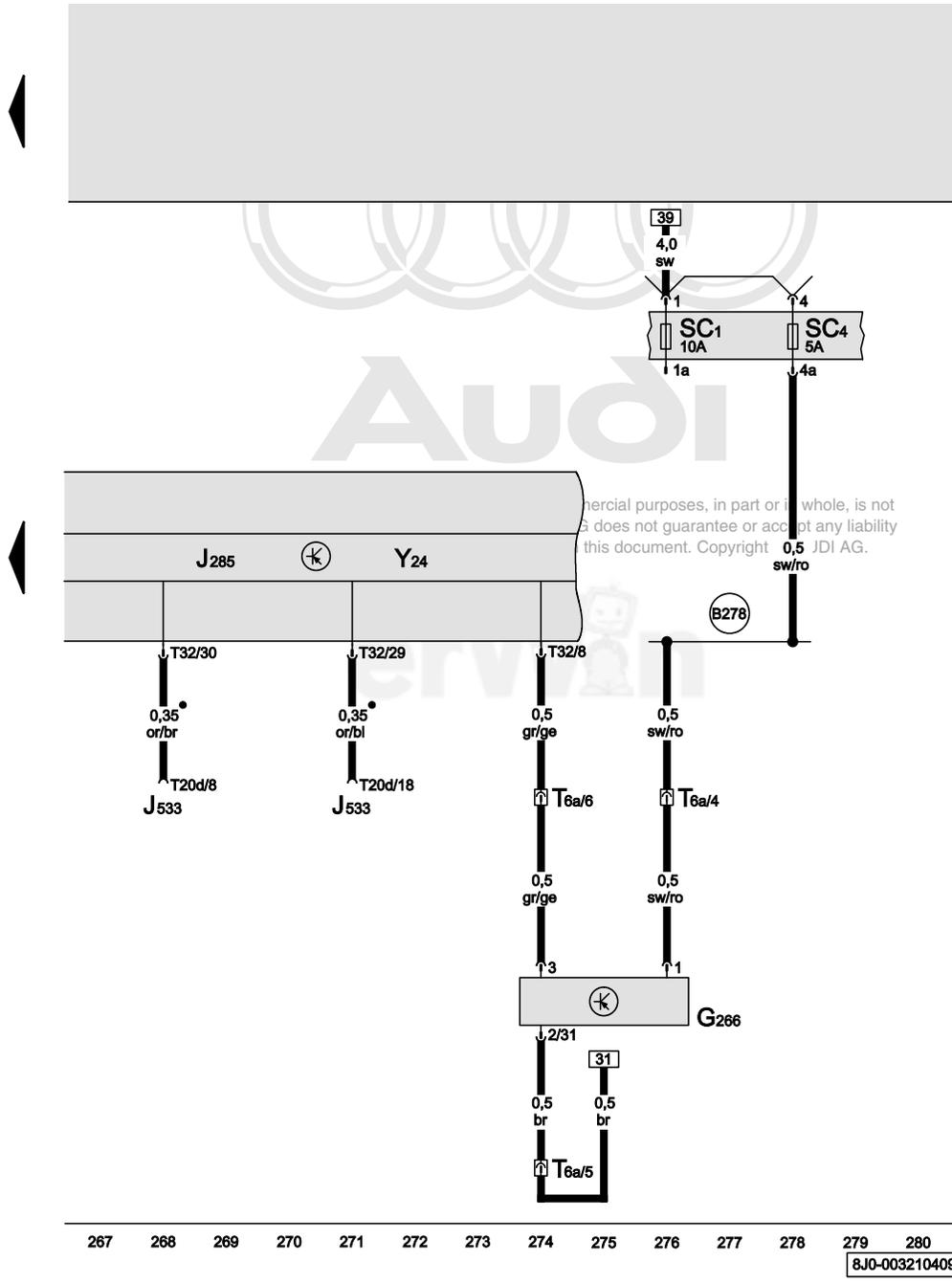


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-003200806

Instrument Cluster Control Module, Oil Level Thermal Sensor

- G266 Oil Level Thermal Sensor
- J285 Instrument Cluster Control Module
- J533 Data Bus On Board Diagnostic Interface
- SC1 Fuse 1 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- T6a 6-Pin Connector, black, in engine compartment, front left
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster
- B278 Plus Connection 2 (15a) (in main wiring harness)
- CAN-Bus (data wire)



## Direct Shift Gearbox (DSG) 02E

from model year 2007

### Note:

Information for

- ◆ Relay and fuse arrangements

- ◆ Connector arrangements

- ◆ Control Modules and Relays

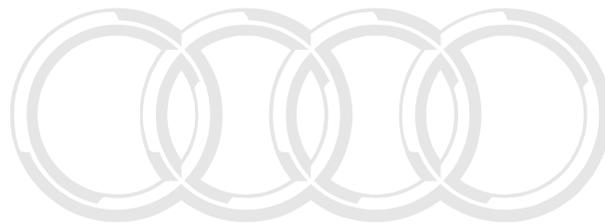
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052

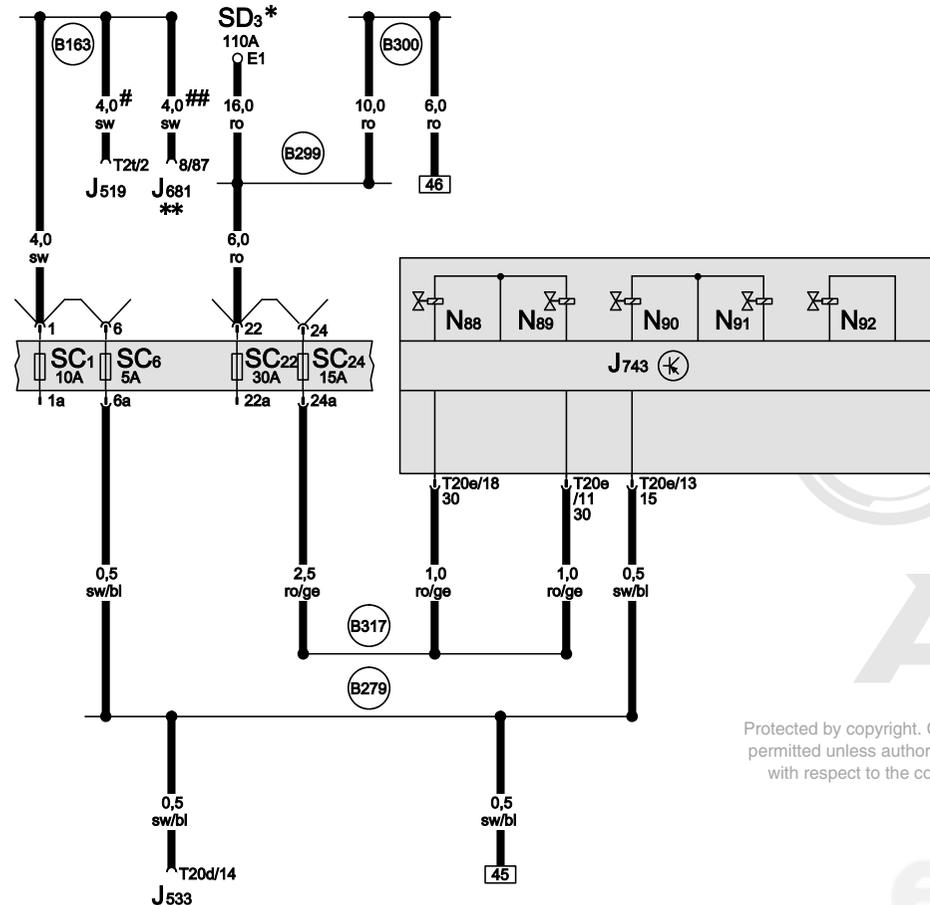
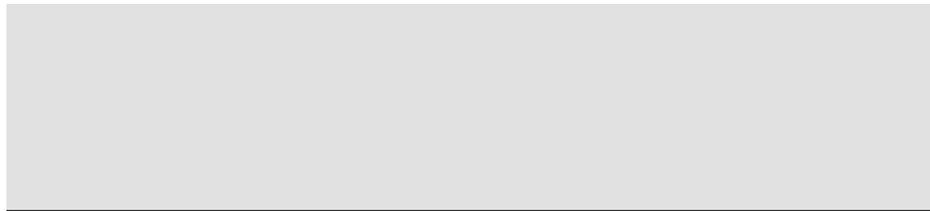


# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Direct Shift Gearbox (DSG) Mechatronic, Solenoid Valves, Fuses



- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- J681 Power Supply Relay 2 (terminal 15)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- N88 Solenoid Valve 1
- N89 Solenoid Valve 2
- N90 Solenoid Valve 3
- N91 Solenoid Valve 4
- N92 Solenoid Valve 5
- SC1 Fuse 1 (on fuse panel C)
- SC6 Fuse 6 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC24 Fuse 24 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic

- (B163) Plus Connection 1 (15) (in interior wiring harness)
- (B279) Plus Connection 3 (15a) (in main wiring harness)
- (B299) Plus Connection 3 (30) (in main wiring harness)
- (B300) Plus Connection 4 (30) (in main wiring harness)
- (B317) Plus Connection 3 (30a) (in main wiring harness)

\* Main fuse panel, in right rear luggage compartment on battery  
 # Relay Carrier on Vehicle Electrical System Control Module  
 \*\* Through May 2009  
 ## from June 2009

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

**Direct Shift Gearbox (DSG) Mechatronic, Transmission Input Speed (RPM) Sensor, Gear Position Distance Sensor, Clutch Temperature Sensor, Automatic Transmission Pressure Regulating Valve**

- G182 Transmission Input Speed (RPM) Sensor
- G487 Gear Position Distance Sensor 1
- G488 Gear Position Distance Sensor 2
- G489 Gear Position Distance Sensor 3
- G490 Gear Position Distance Sensor 4
- G509 Clutch Temperature Sensor
- J743 Direct Shift Gearbox (DSG) Mechatronic
- N215 Automatic Transmission Pressure Regulating Valve 1
- N216 Automatic Transmission Pressure Regulating Valve 2
- N217 Automatic Transmission Pressure Regulating Valve 3
- N218 Automatic Transmission Pressure Regulating Valve 4
- N233 Automatic Transmission Pressure Regulating Valve 5
- N371 Automatic Transmission Pressure Regulating Valve 6
- T4ah 4-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic

366 Ground Connection 1 (in main wiring harness)

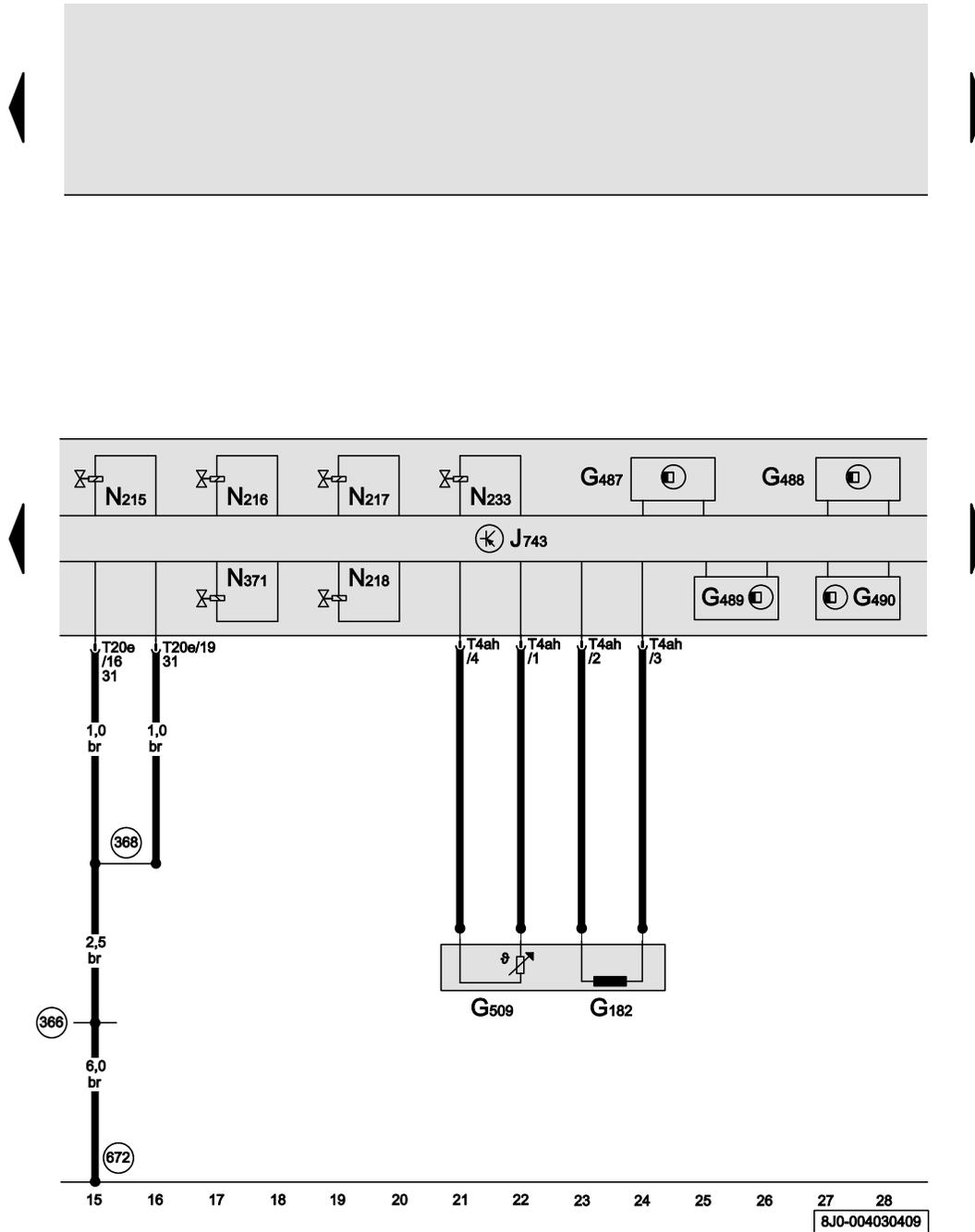
368 Ground Connection 3 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

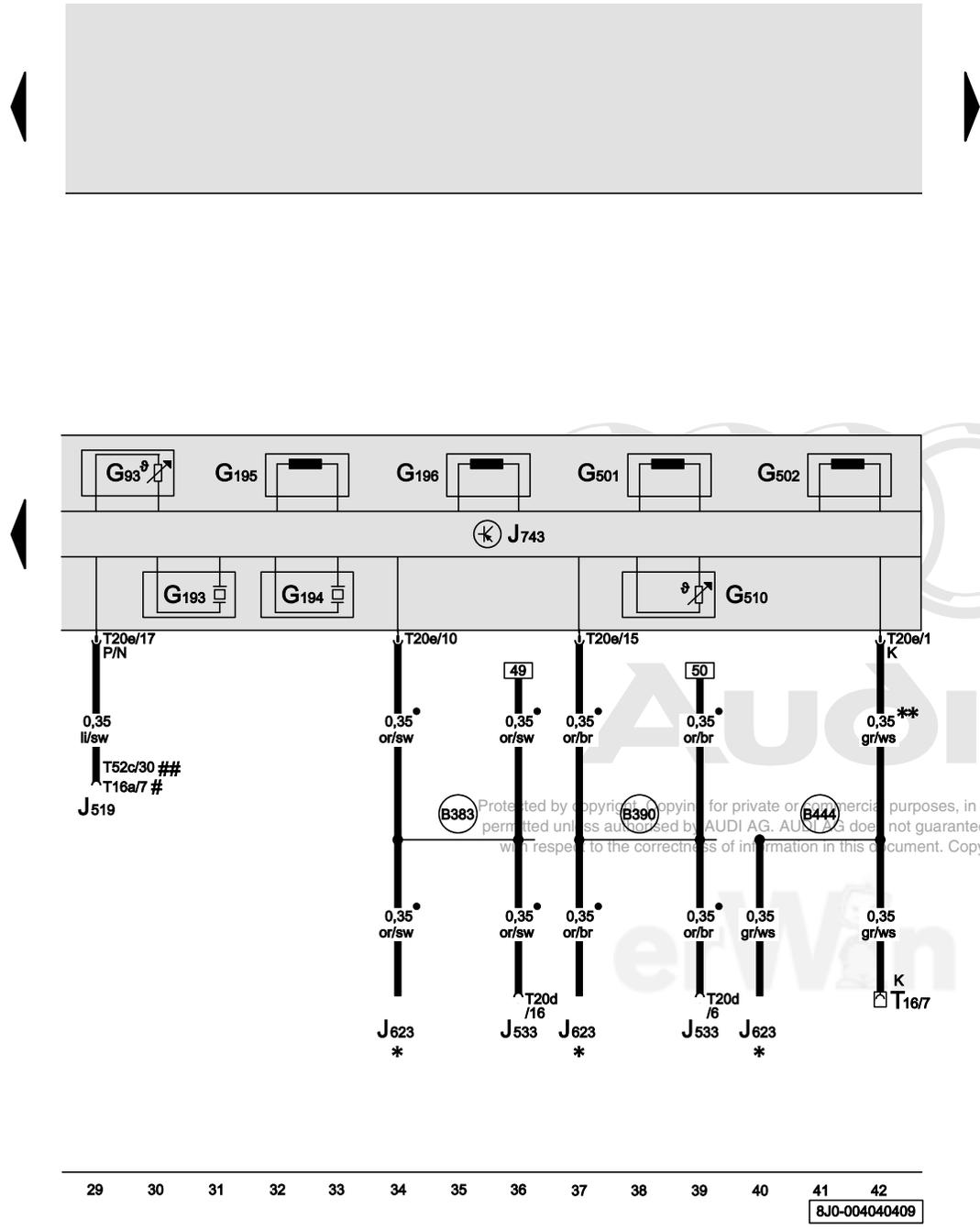


8J0-004030409

**Direct Shift Gearbox (DSG) Mechatronic, Transmission Fluid Temperature Sensor, Temperature Sensor in Control Module, Diagnostic Coupling**

- G93 Transmission Fluid Temperature Sensor
- G193 Automatic Transmission Hydraulic Pressure Sensor 1
- G194 Automatic Transmission Hydraulic Pressure Sensor 2
- G195 Transmission Output Speed (RPM) Sensor
- G196 Transmission Output Speed (RPM) Sensor 2
- G501 Driveshaft 1 Speed Sensor
- G502 Driveshaft 2 Speed Sensor
- G510 Temperature Sensor in Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- T16 16-Pin Connector, Diagnostic Connector
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B444) OBD Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* ⇒ Wiring Diagram engine
- \*\* Not applicable from June 2008
- # Through May 2009
- ## from June 2009

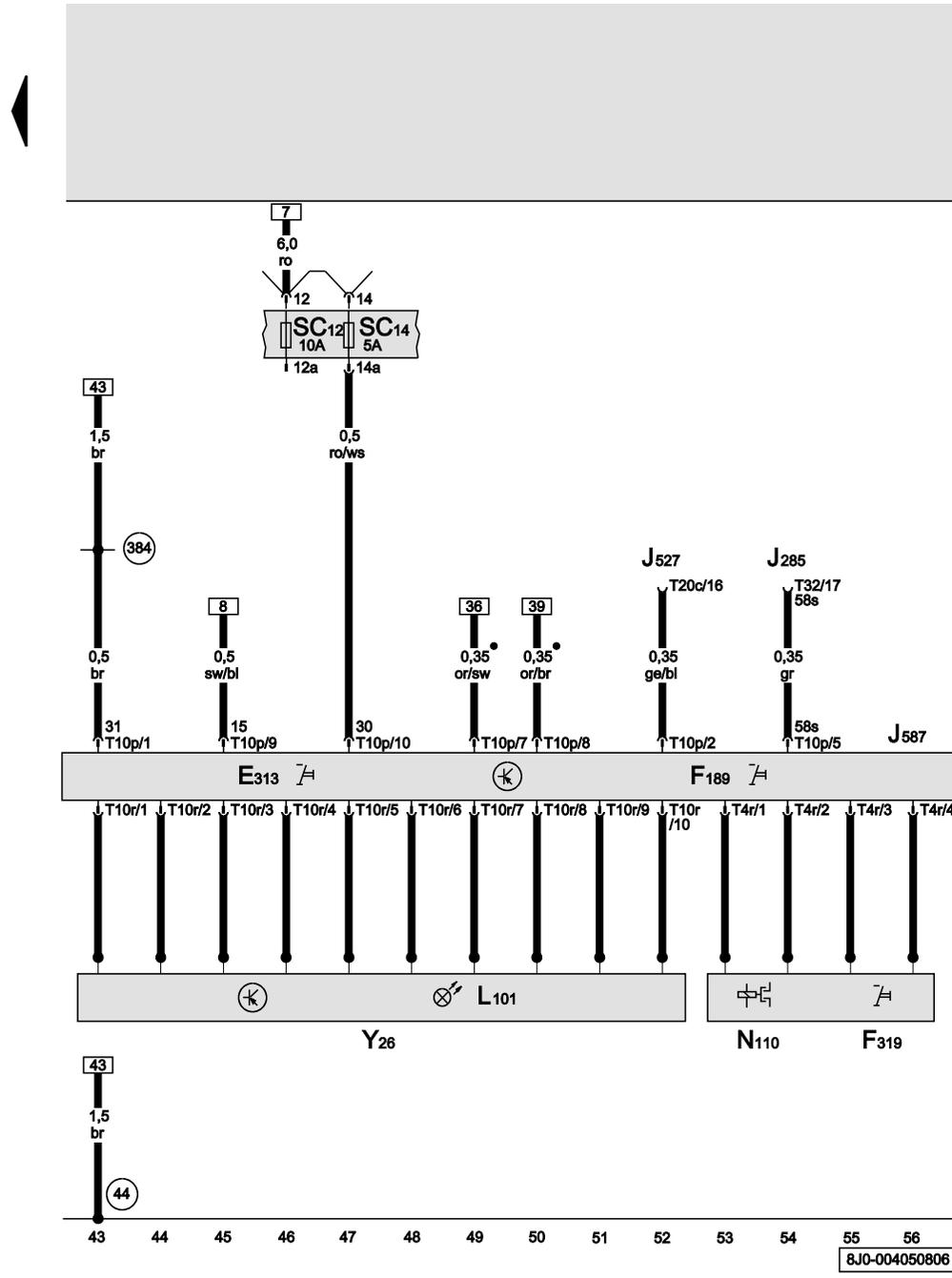


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

**Selector Lever Sensor Control Module, Selector Lever, Tiptronic Switch, Selector Lever Park Position Lock Switch, Selector Lever Scale Illumination, Shift Lock Solenoid**

- E313 Selector Lever
- F189 Tiptronic Switch
- F319 Selector Lever Park Position Lock Switch
- J285 Instrument Cluster Control Module
- J527 Steering Column Electronic Systems Control Module
- J587 Selector Lever Sensor Control Module
- L101 Selector Lever Scale Illumination
- N110 Shift Lock Solenoid
- SC12 Fuse 12 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- T4r 4-Pin Connector, on selector lever
- T10p 10-Pin Connector, on Tiptronic switch
- T10r 10-Pin Connector, black, on selector lever
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y26 Selector Lever Transmission Range (TR) Position Display Unit

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
  - CAN-Bus (data wire)



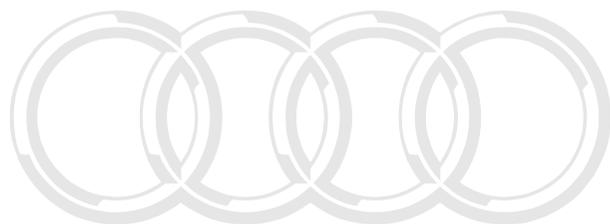
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-004050806

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Airbag systems (US equipment)

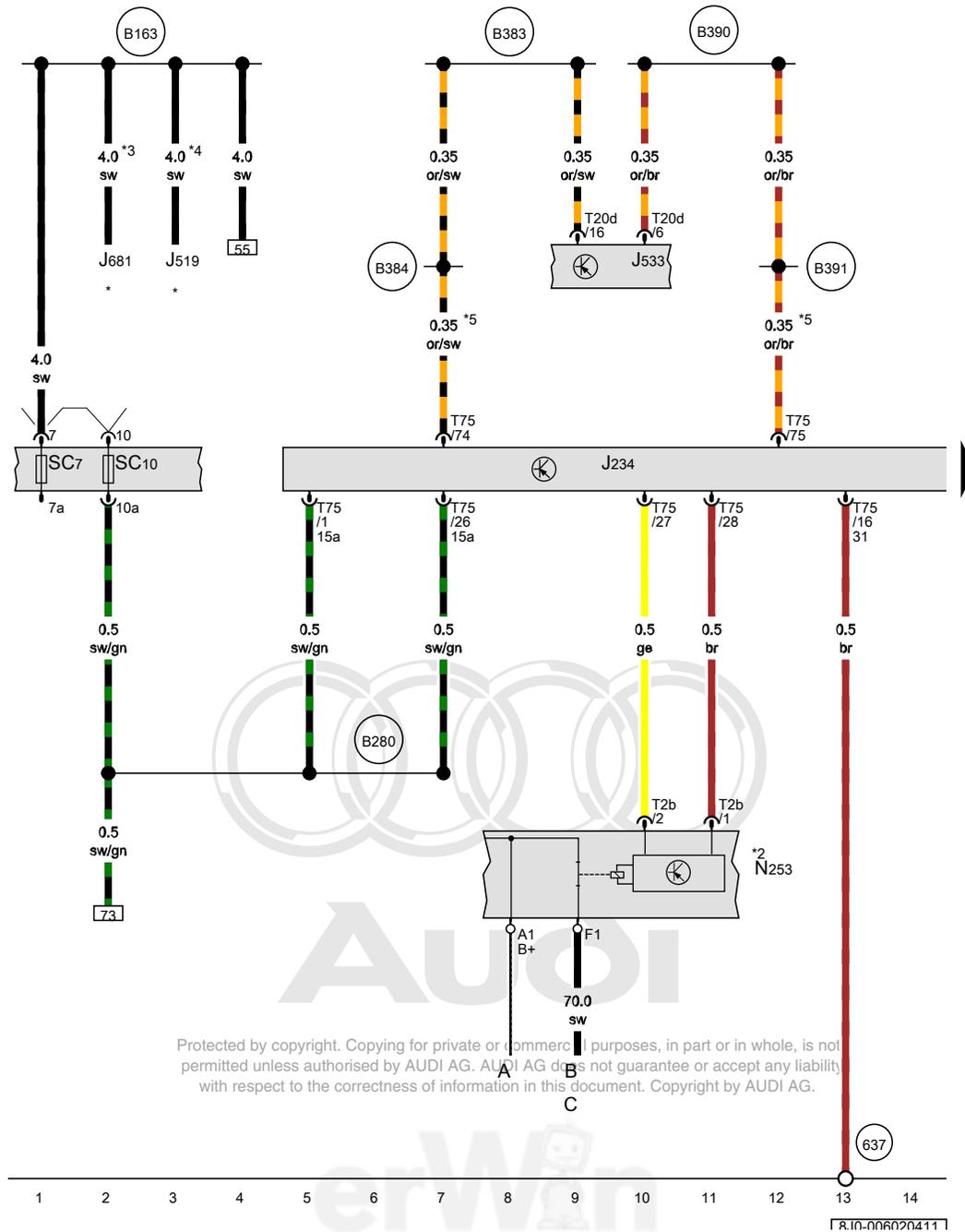
From June 2006



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Airbag control module

- A Battery
- B Starter
- C Generator
- J234 Airbag control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- J681 Terminal 15 power supply relay 2
- N253 Battery interrupt igniter
- SC7 Fuse 7 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- T2b Double connector
- T20d 20-pin connector
- T75 75-pin connector

- 637 Airbag control module ground connection
- B163 Positive connection 1 (15) (in interior wiring harness)
- B280 Positive connection 4 (15a) (in main wiring harness)
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B384 Powertrain CAN bus high connection 2 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B391 Powertrain CAN bus low connection 2 (in main wiring harness)

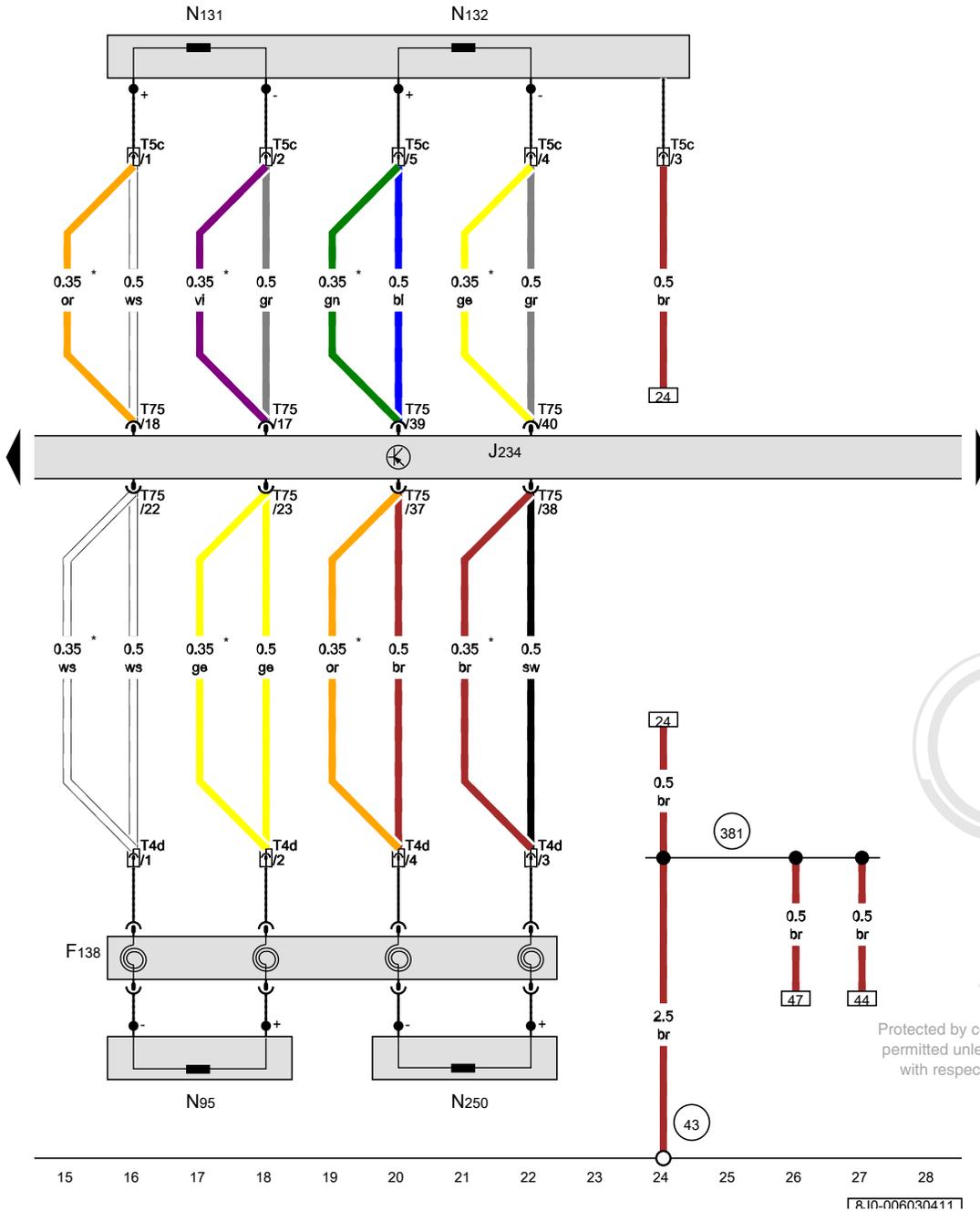
- \* Refer to applicable standard equipment wiring diagram
- \*2 Main fuse box in the right rear luggage compartment, at the battery
- \*3 From June 2009
- \*4 Through May 2009
- \*5 Data bus wire (CAN bus)

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Airbag spiral spring/return spring with slip ring, Airbag control module, Driver airbag igniter, Driver airbag igniter 2**

- F138 Airbag spiral spring/return spring with slip ring
  - J234 Airbag control module
  - N95 Driver airbag igniter
  - N131 Front passenger airbag igniter 1
  - N132 Front passenger airbag igniter 2
  - N250 Driver airbag igniter 2
  - T4d 4-pin connector, on the steering column electronics control module
  - T5c 5-pin connector, behind the instrument panel, right
  - T75 75-pin connector
- 43 Ground connection on A-pillar, lower right
- 381 Ground connection 16 (in main wiring harness)
- \* From June 2009



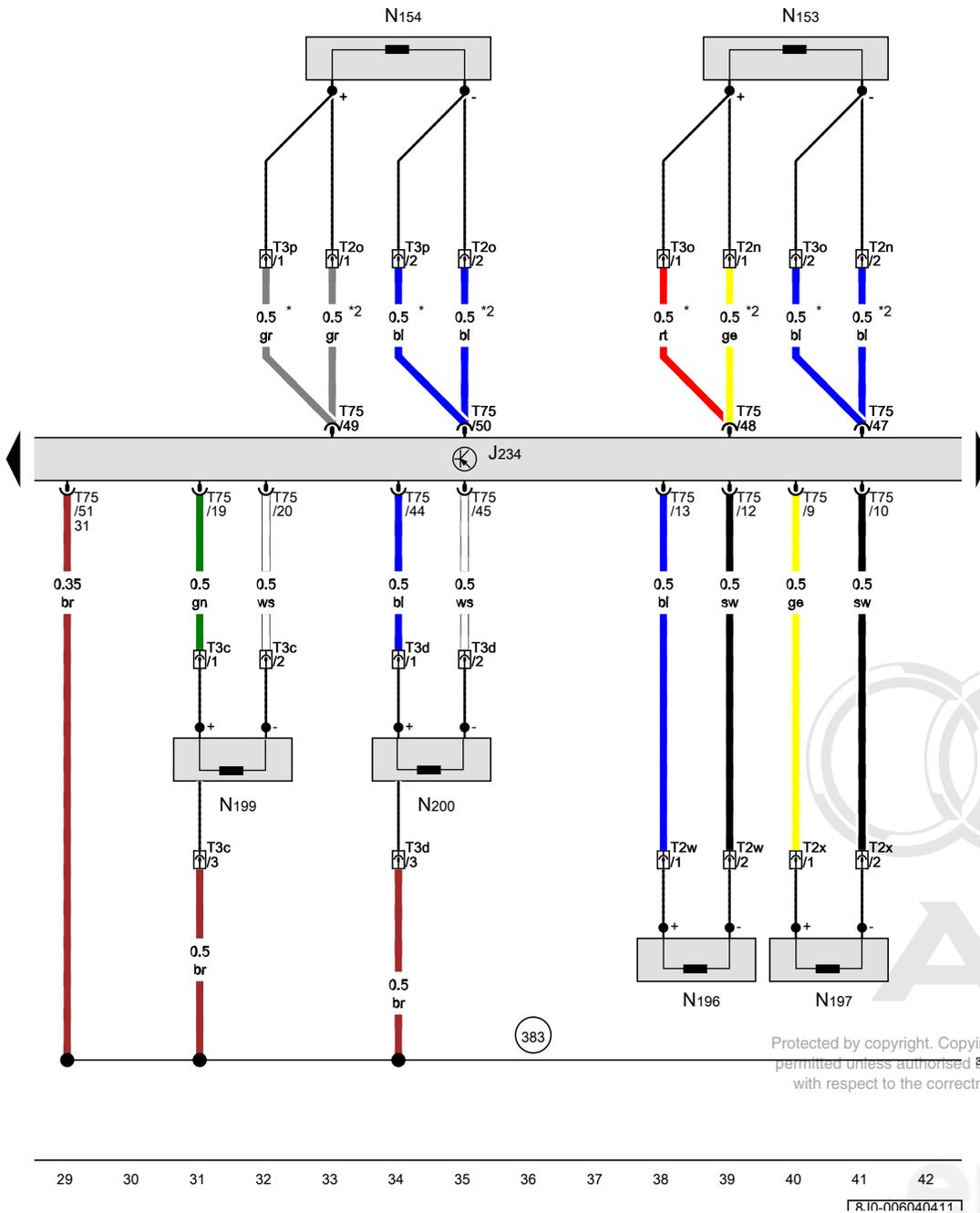
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

18.10-006030411

**Airbag control module, Driver side rear seat belt tensioner igniter, Driver thorax airbag igniter, Front passenger thorax airbag igniter**



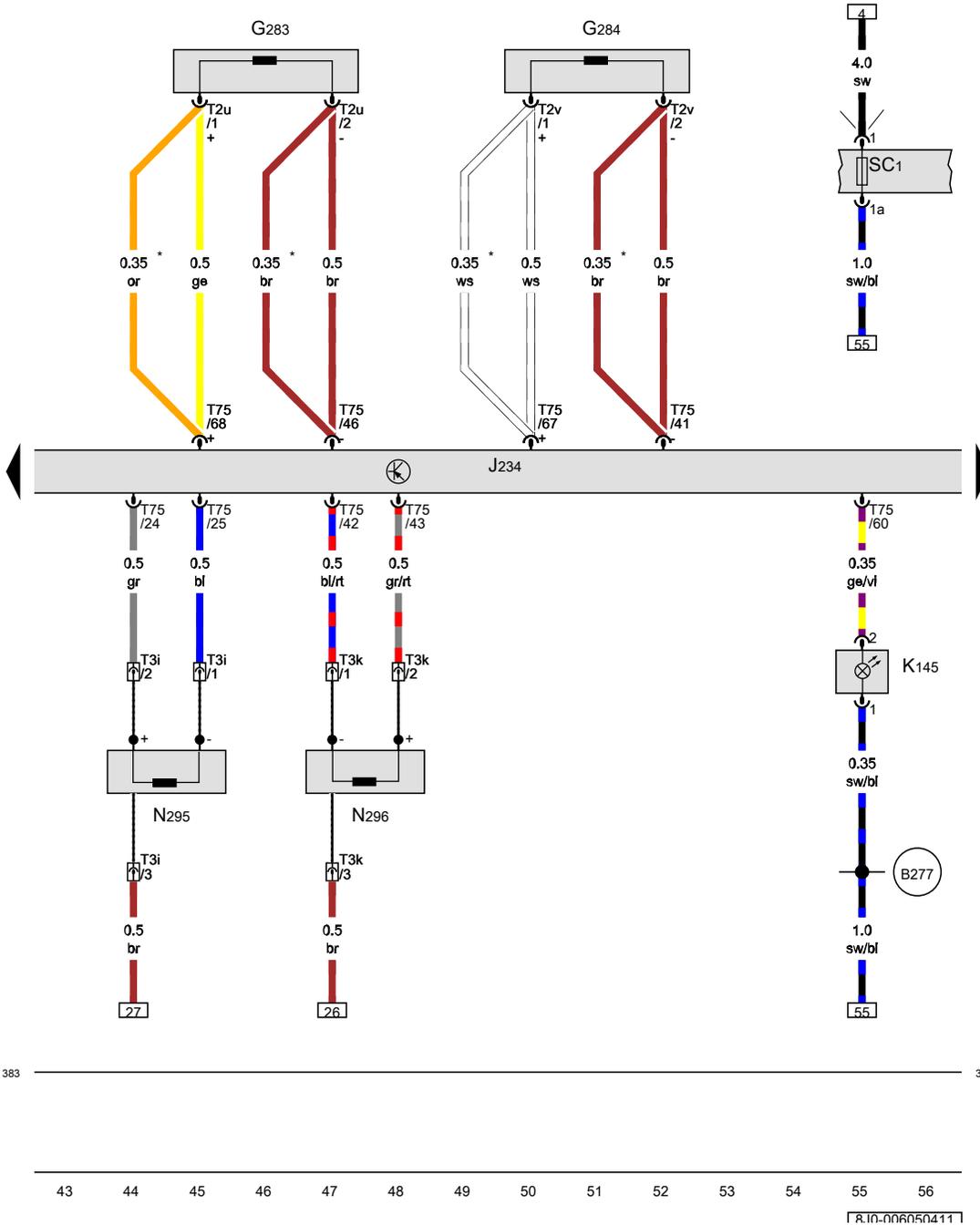
- J234 Airbag control module
- N153 Driver seat belt tensioner igniter 1
- N154 Front passenger seat belt tensioner igniter 1
- N196 Driver side rear seat belt tensioner igniter
- N197 Front passenger side rear seat belt tensioner igniter
- N199 Driver thorax airbag igniter
- N200 Front passenger thorax airbag igniter
- T2n Double connector, on the left B-pillar
- T2o Double connector, on the right B-pillar
- T2w Double connector, on the left B-pillar
- T2x Double connector, on the right B-pillar
- T3c 3-pin connector, under the driver seat
- T3d 3-pin connector, under the front passenger seat
- T3o 3-pin connector, on the left B-pillar
- T3p 3-pin connector, on the right B-pillar
- T75 75-pin connector

383 Ground connection 18 (in main wiring harness)

- \* Roadster
- \*2 Coupe

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Driver front airbag crash sensor, Front passenger front airbag crash sensor, Airbag control module, Front passenger airbag -disabled- indicator lamp, Driver knee airbag igniter, Front passenger knee airbag igniter

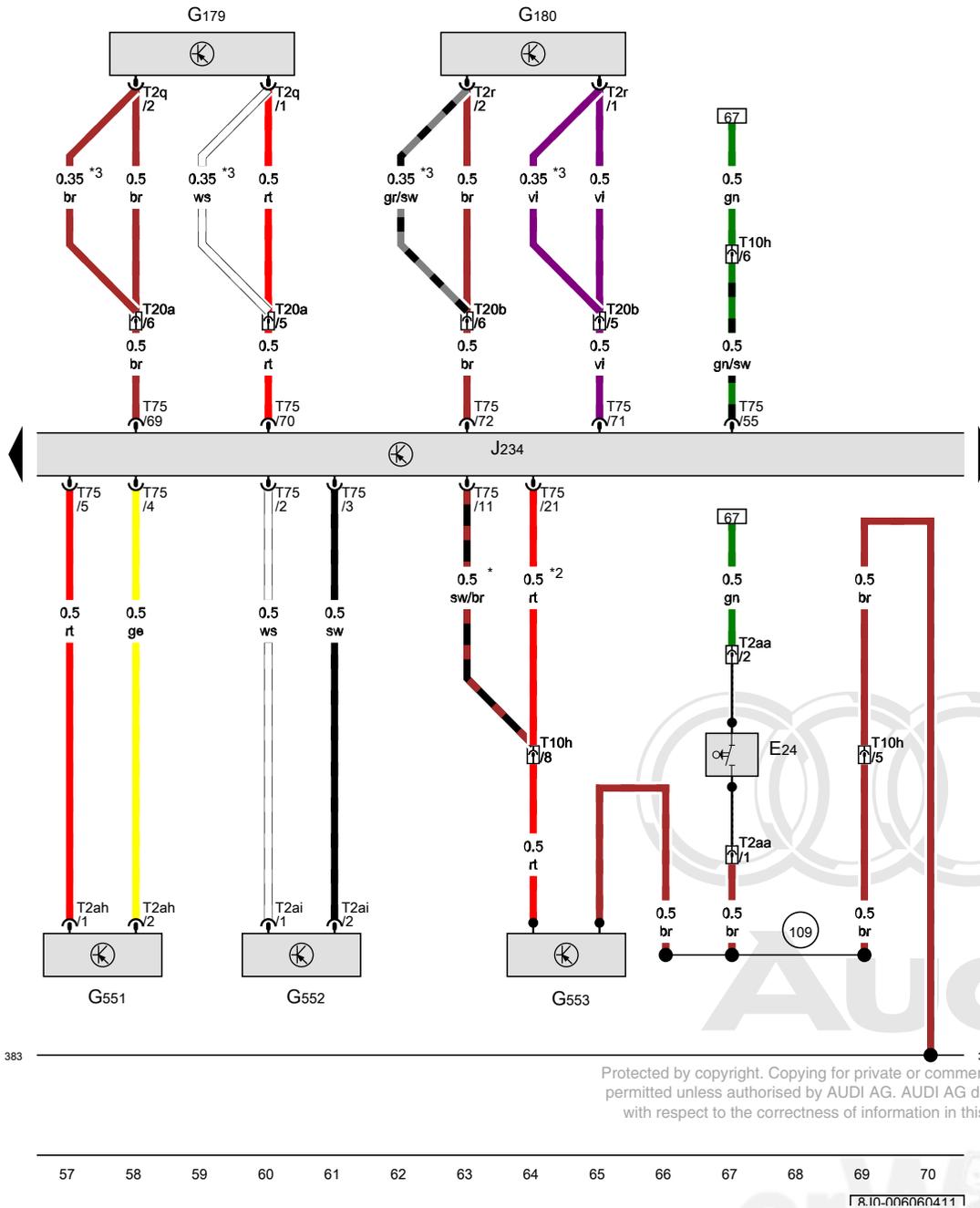
- G283 Driver front airbag crash sensor
- G284 Front passenger front airbag crash sensor
- J234 Airbag control module
- K145 Front passenger airbag -disabled- indicator lamp
- N295 Driver knee airbag igniter
- N296 Front passenger knee airbag igniter
- SC1 Fuse 1 (on fuse panel C)
- T2u Double connector
- T2v Double connector
- T3i 3-pin connector, on the driver knee airbag igniter
- T3k 3-pin connector, on the front passenger knee airbag igniter
- T75 75-pin connector

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by Audi AG. All rights reserved. This document is subject to change without notice. Copyright by AUDI AG.

- 383 Ground connection 18 (in main wiring harness)
- B277 Positive connection 1 (15a) (in main wiring harness)
- \* From June 2009

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

**Driver seat belt switch, Driver side airbag crash sensor, Driver belt force limiter, Front passenger belt force limiter, Driver seat position sensor, Airbag control module**



- E24 Driver seat belt switch
- G179 Driver side airbag crash sensor
- G180 Front passenger side airbag crash sensor
- G551 Driver belt force limiter
- G552 Front passenger belt force limiter
- G553 Driver seat position sensor
- J234 Airbag control module
- T2aa Double connector, in the driver seat
- T2ah Double connector
- T2ai Double connector
- T2q Double connector
- T2r Double connector
- T10h 10-pin connector, under the driver seat
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T75 75-pin connector

109 Ground connection (in airbag wiring harness)

383 Ground connection 18 (in main wiring harness)

- \* Through May 2010
- \*2 From June 2010
- \*3 From June 2009

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

57 58 59 60 61 62 63 64 65 66 67 68 69 70

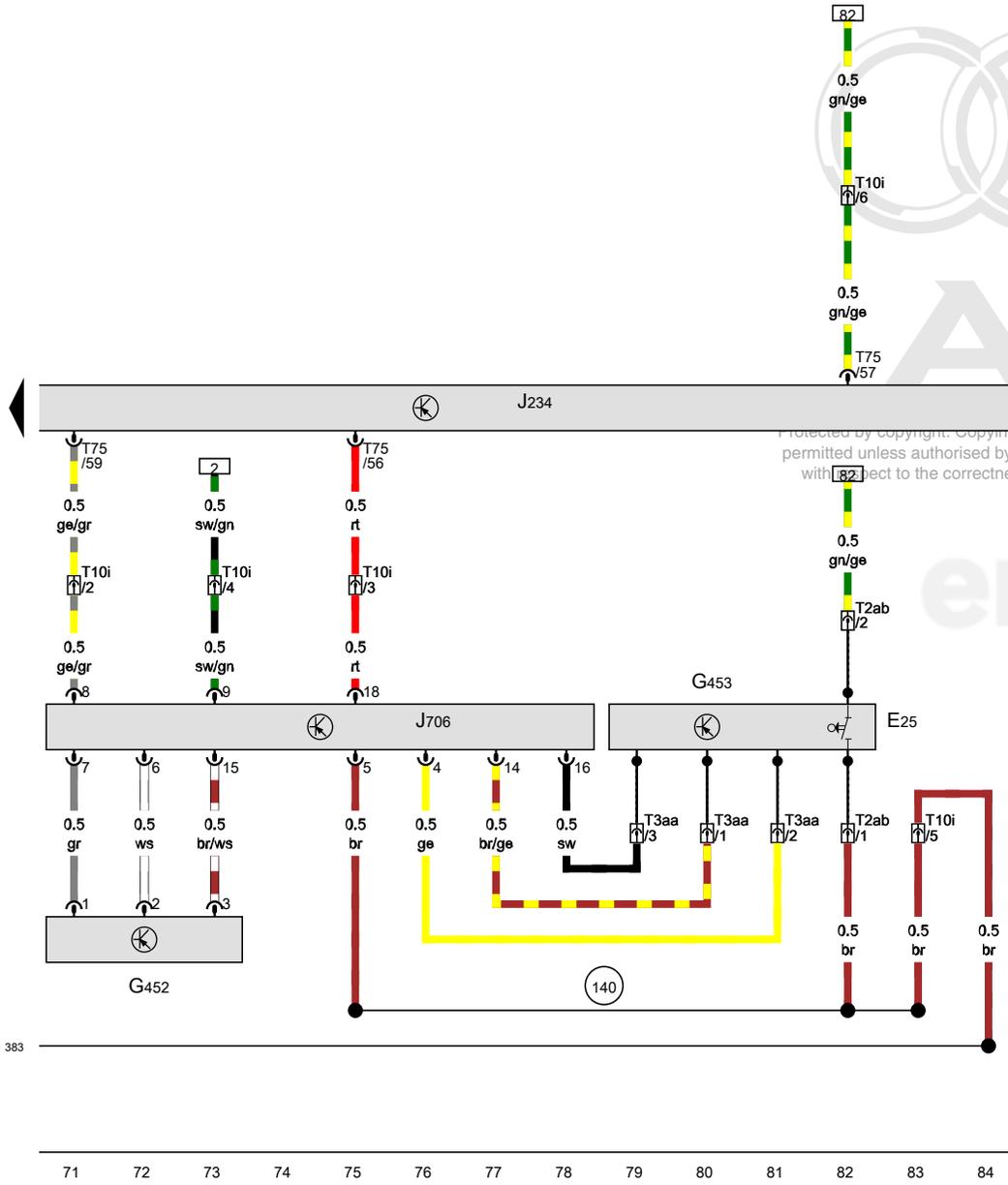
[8.10-006060411]

Front passenger seat belt switch, Passenger occupant detection system pressure sensor, Passenger occupant detection system seat belt force sensor, Airbag control module, Passenger occupant detection system control module

- E25 Front passenger seat belt switch
- G452 Passenger occupant detection system pressure sensor
- G453 Passenger occupant detection system seat belt force sensor
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- T2ab Double connector, in the front passenger seat
- T3aa 3-pin connector, in the front passenger seat
- T10i 10-pin connector, under the front passenger seat
- T75 75-pin connector

- 140 Ground connection 2 (in seat adjustment wiring harness)
- 383 Ground connection 18 (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

## A/C

⇒ Heater (9AA)

⇒ A/C (9AK)

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

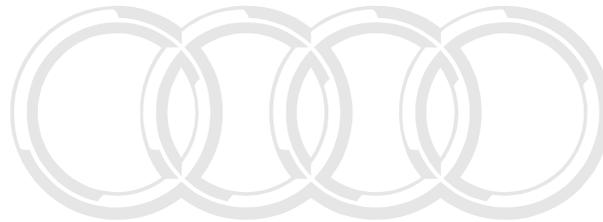
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



Audi

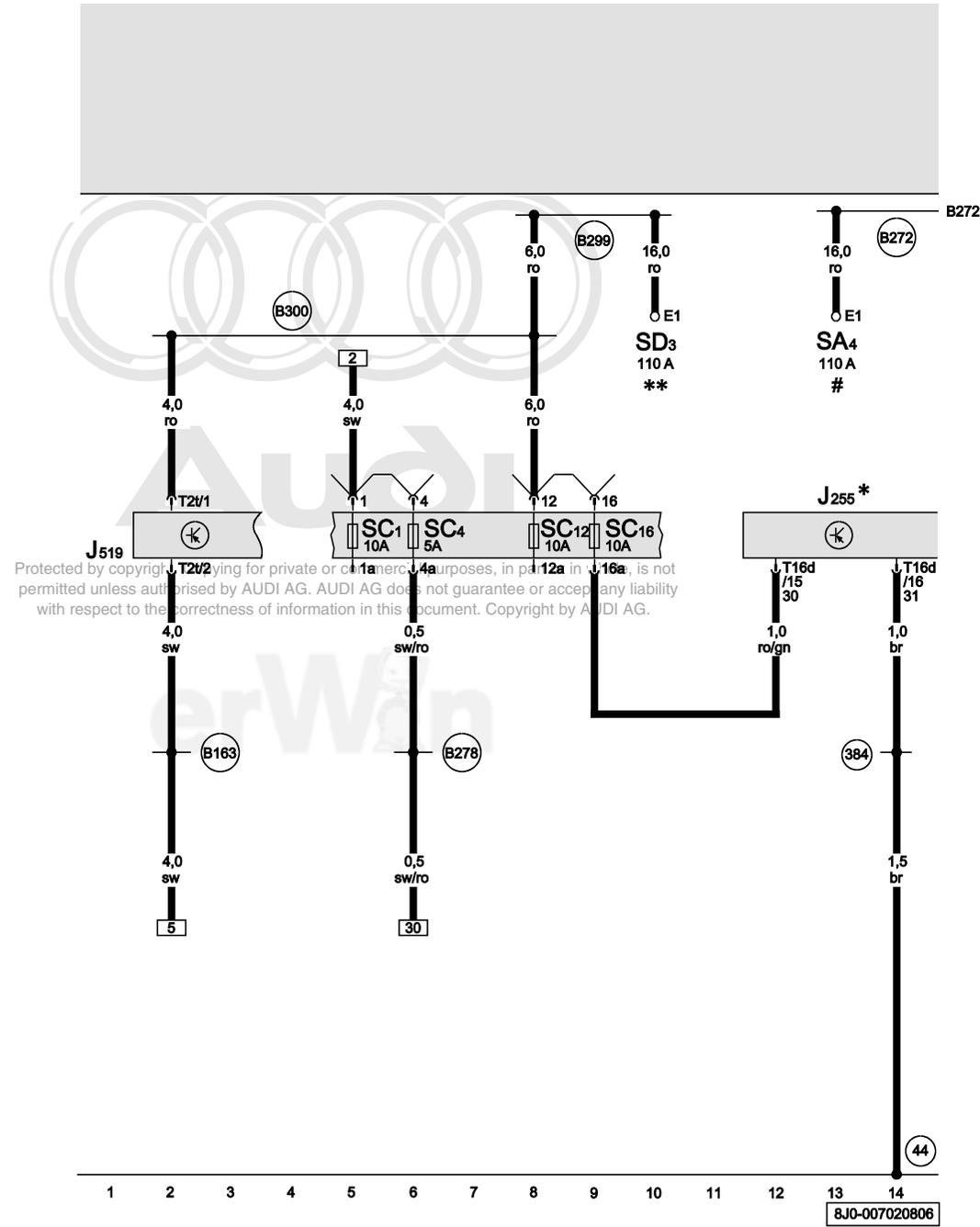
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Climatronic Control Module, Fuses

- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- SA4 Fuse 4 (on fuse panel A)
- SC1 Fuse 1 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B272 Plus Connection (30) (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- \* A/C Control Head
- \*\* Main fuse panel, in right rear luggage compartment on battery
- # Main fuse panel electronics box, in front left engine compartment



Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

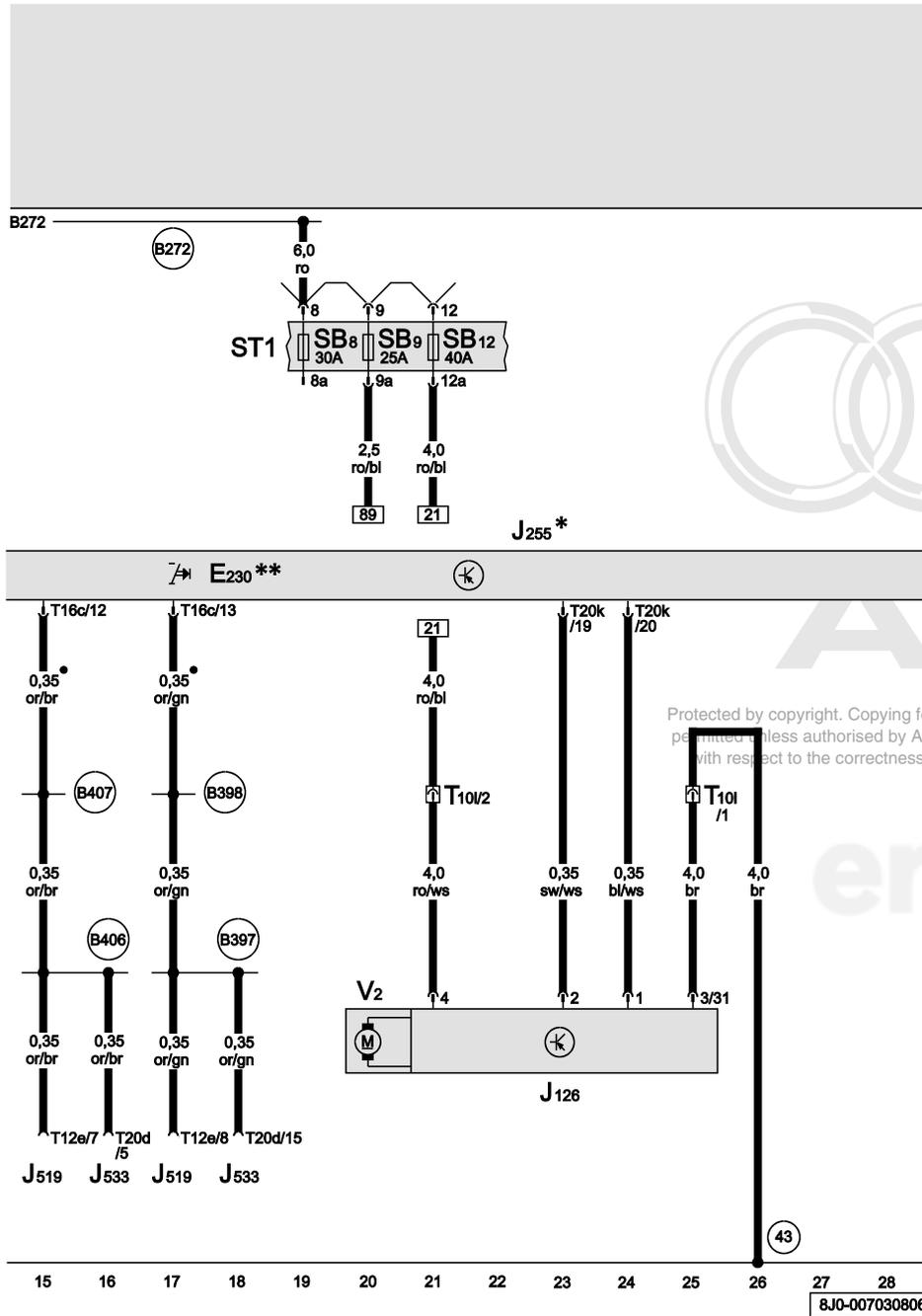
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-007020806

Climatronic Control Module, Fresh Air Blower Control Module, Fresh Air Blower

- E230 Heated Rear Window Button
- J126 Fresh Air Blower Control Module
- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T10l 10-Pin Connector, black, behind instrument panel, right
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- V2 Fresh Air Blower

- 43 Ground Connection (on right lower A-pillar)
- B272 Plus Connection (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* A/C Control Head
- \*\* Operation for heated rear window via CAN-Bus, heated rear window see Wiring Diagrams Standard Equipment



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

8J0-007030806

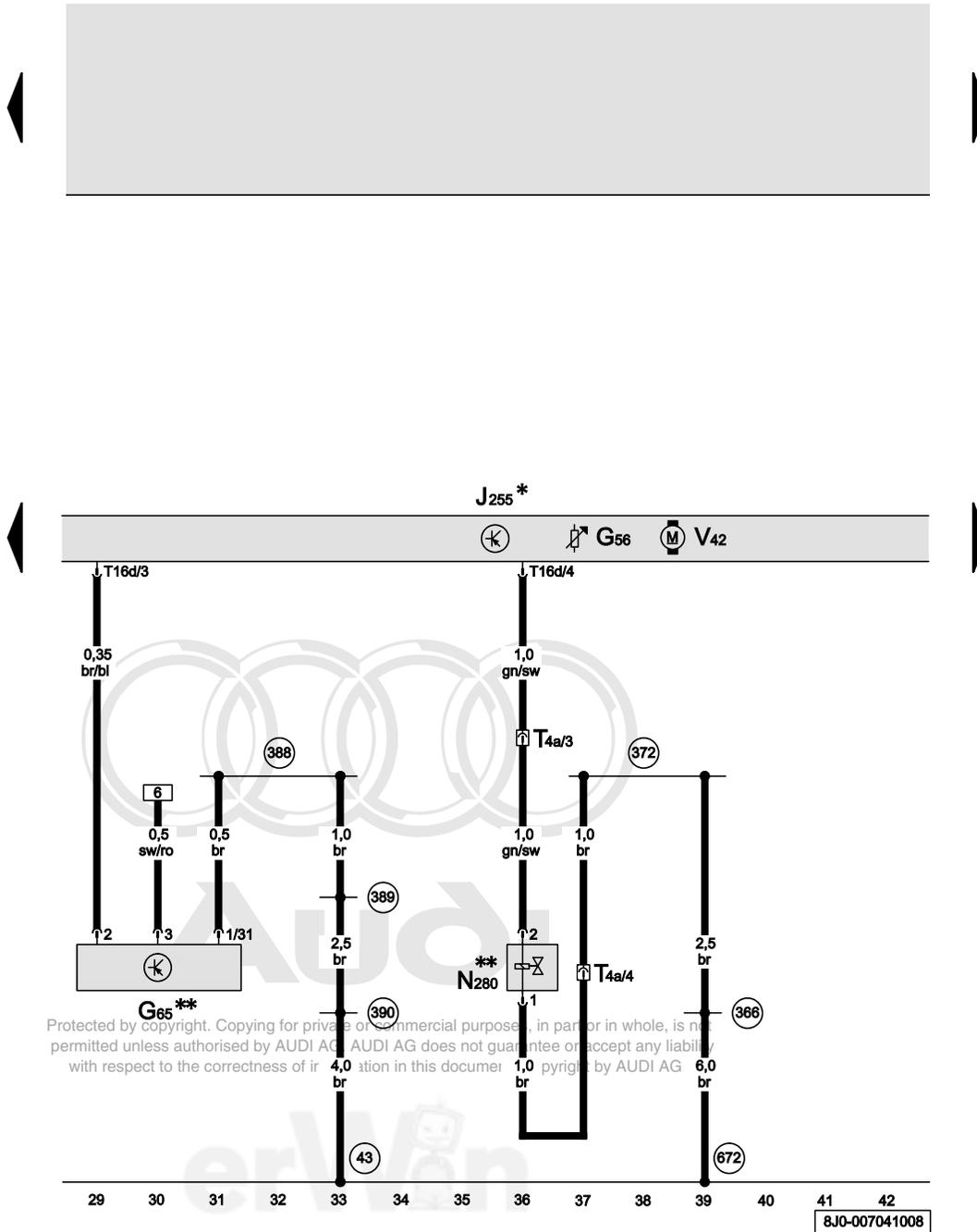
**Climatronic Control Module, Instrument Panel Interior Temperature Sensor, High Pressure Sensor, A/C Compressor Regulator Valve, Interior Temperature Sensor Fan**

- G56 Instrument Panel Interior Temperature Sensor
- G65 High Pressure Sensor
- J255 Climatronic Control Module
- N280 A/C Compressor Regulator Valve
- T4a 4-Pin Connector, black, in engine compartment, front left
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- V42 Interior Temperature Sensor Fan

- 43 Ground Connection (on right lower A-pillar)
- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 388 Ground Connection 23 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)

\* A/C Control Head  
 \*\* Not for heater 9AA

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



Protected by copyright. Copying for private or commercial purposes, in particular in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

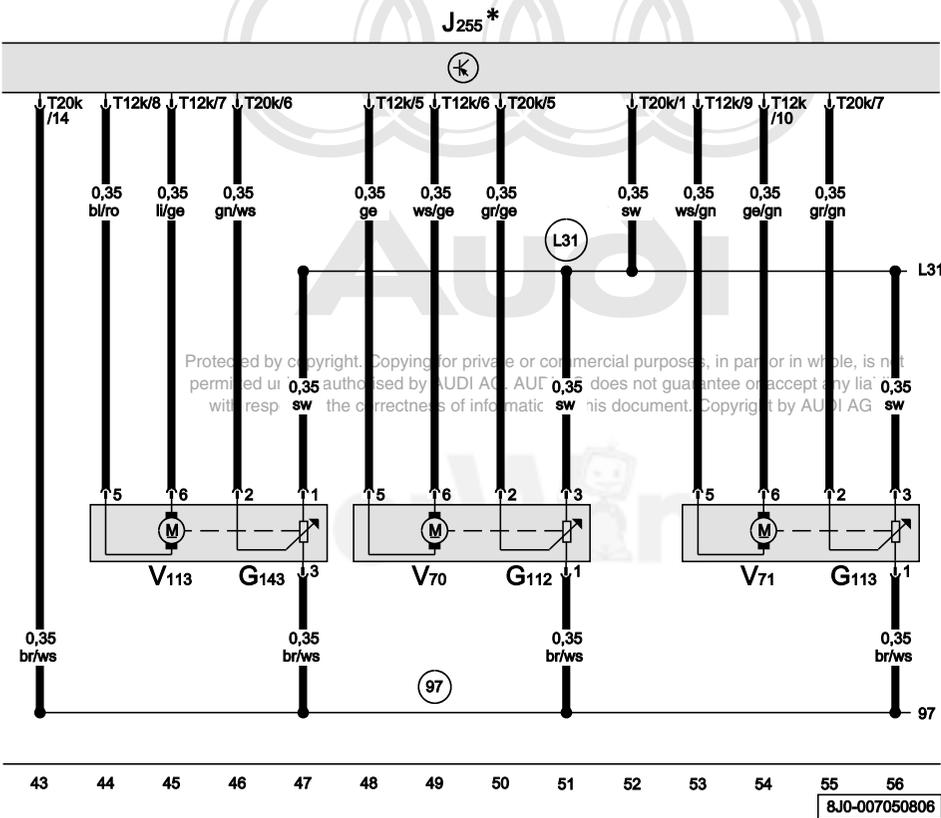
**Climatronic Control Module, Central Flap Motor Position Sensor, Back Pressure Flap Motor Position Sensor, Recirculation Flap Motor Position Sensor**

- G112 Central Flap Motor Position Sensor
- G113 Back Pressure Flap Motor Position Sensor
- G143 Recirculation Flap Motor Position Sensor
- J255 Climatronic Control Module
- T12k 12-Pin Connector (Connector A), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- V70 Central Air Flap Motor
- V71 Back Pressure Flap Motor
- V113 Recirculation Flap Motor

97 Ground Connection 1 (in A/C wiring harness)

L31 Connection (5 Volts) (in A/C wiring harness)

\* A/C Control Head



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the express written authorization of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © by AUDI AG

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

**Climatronic Control Module, Defroster Flap Motor Position Sensor, Left Temperature Flap Potentiometer/Actuator, Right Temperature Flap Potentiometer/Actuator**

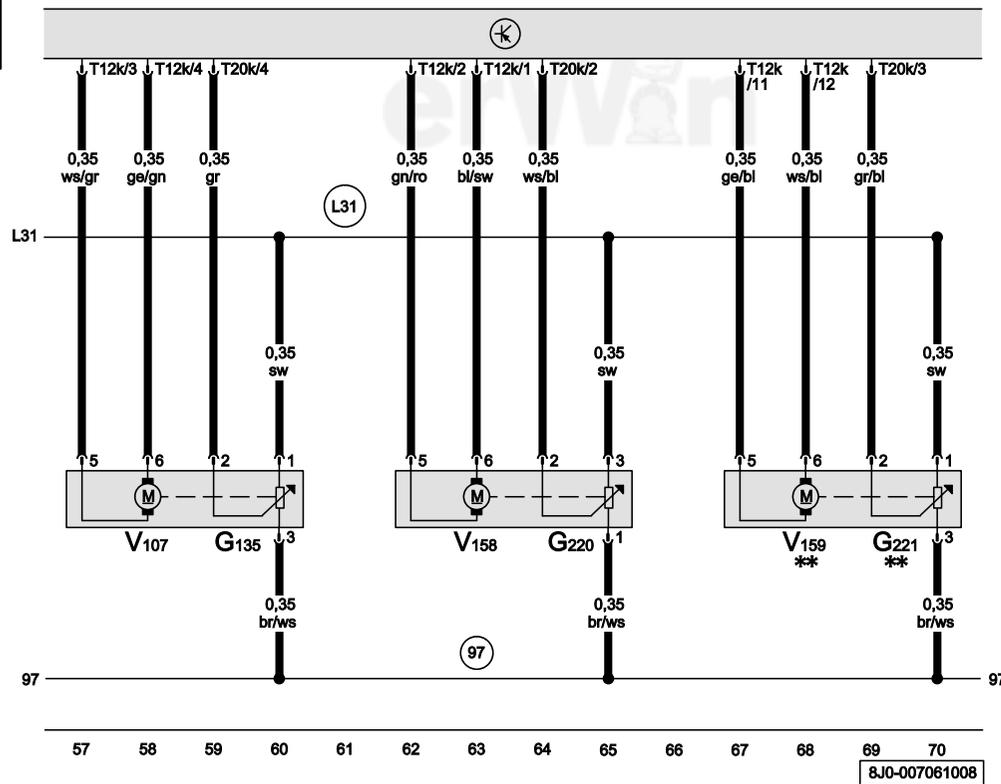
- G135 Defroster Flap Motor Position Sensor
- G220 Left Temperature Flap Potentiometer/Actuator
- G221 Right Temperature Flap Potentiometer/Actuator
- J255 Climatronic Control Module
- T12k 12-Pin Connector (Connector A), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- V107 Defroster Flap Motor
- V158 Left Temperature Flap Motor
- V159 Right Temperature Flap Motor

97 Ground Connection 1 (in A/C wiring harness)

L31 Connection (5 Volts) (in A/C wiring harness)

\* A/C Control Head  
 \*\* Not for heater 9AA

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.



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

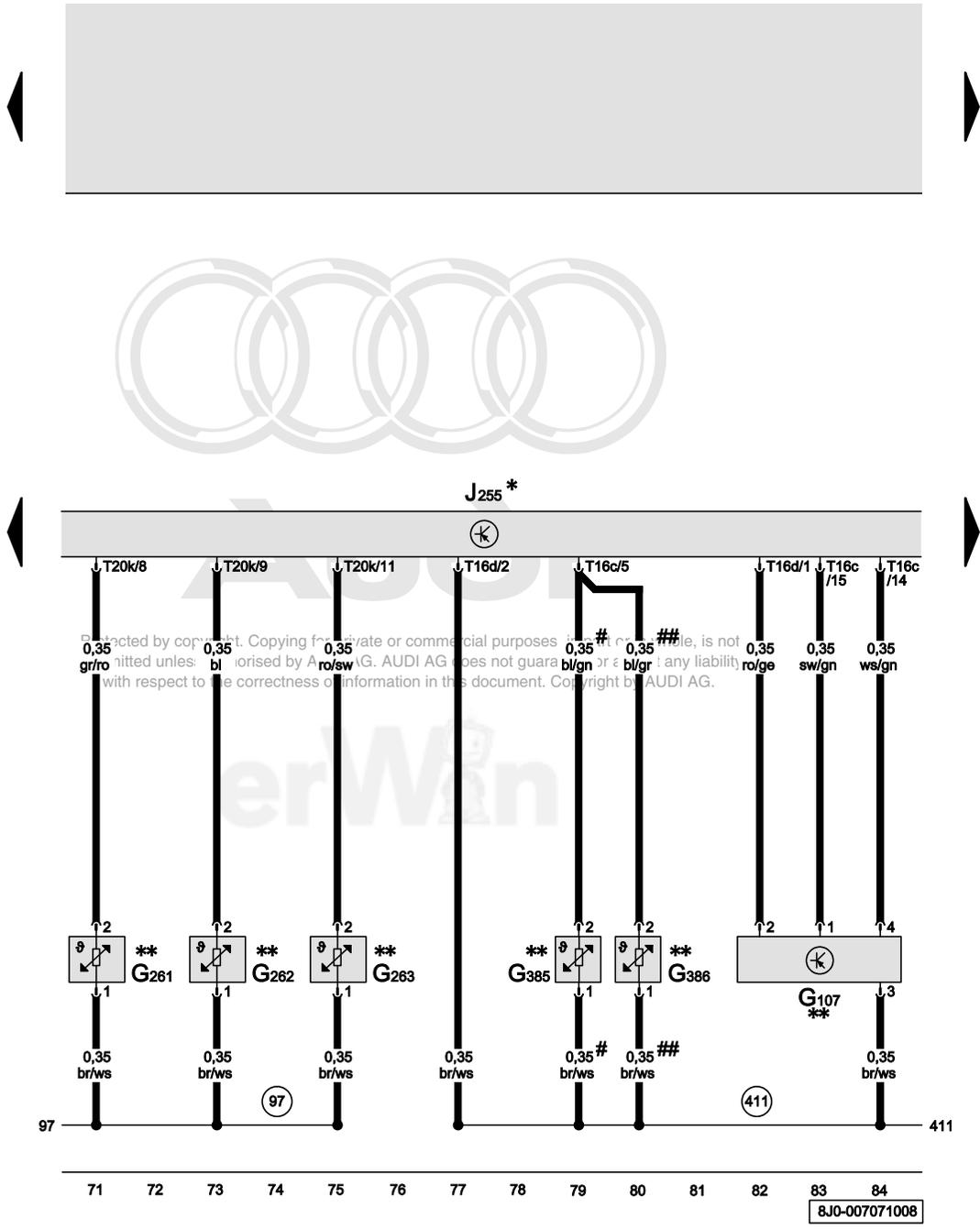
8J0-007061008

**Climatronic Control Module, Sunlight Photo Sensor, Left and Right Footwell Vent Temperature Sensor, Evaporator Vent Temperature Sensor, Left Front and Right Front Upper Body Outlet Temperature Sensor**

- G107 Sunlight Photo Sensor
- G261 Left Footwell Vent Temperature Sensor
- G262 Right Footwell Vent Temperature Sensor
- G263 Evaporator Vent Temperature Sensor
- G385 Left Front Upper Body Outlet Temperature Sensor
- G386 Right Front Upper Body Outlet Temperature Sensor
- J255 Climatronic Control Module
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module

- 97 Ground Connection 1 (in A/C wiring harness)
- 411 Sensor Ground Connection 2 (in main wiring harness)

- \* A/C Control Head
- \*\* Not for heater 9AA
- # Only left-hand drive
- ## Only right-hand drive

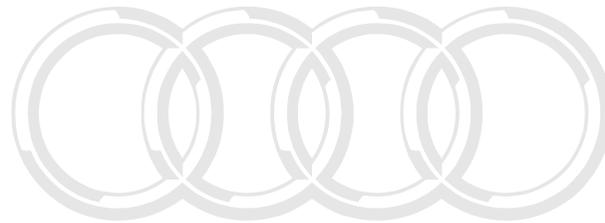
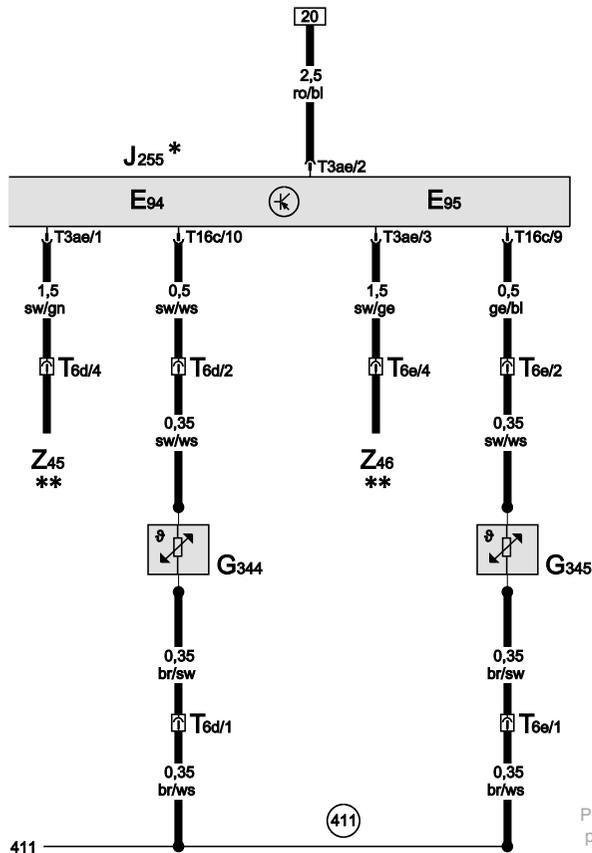


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-007071008

**Climatronic Control Module, Driver's and Front Passenger's Heated Seat Adjuster, Left and Right Front Seat Temperature Sensor, Front Left and Right Heated Seat**

- E94 Driver's Heated Seat Adjuster
- E95 Front Passenger's Heated Seat Adjuster
- G344 Left Front Seat Temperature Sensor
- G345 Right Front Seat Temperature Sensor
- J255 Climatronic Control Module
- T3ae 3-Pin Connector, black (Connector E), on Climatronic control module
- T6d 6-Pin Connector, green, below driver's seat
- T6e 6-Pin Connector, green, below front passenger's seat
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- Z45 Front Left Heated Seat
- Z46 Front Right Heated Seat
- 411 Sensor Ground Connection 2 (in main wiring harness)
- \* A/C Control Head
- \*\* Models with heated seats, see Wiring Diagram Heated Seats



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-007080806

## Comfort System

- ⇒ Outside Mirror, heated and adjustable
  - ⇒ Coming Home
  - ⇒ Anti-Theft Alarm System
  - ⇒ Window Regulator
  - ⇒ Rear Spoiler Adjustment
  - ⇒ Central Locking System
- from model year 2007

### Note:

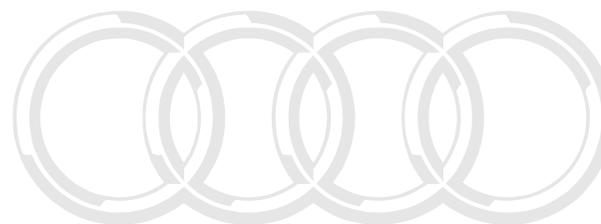
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Driver's Door Control Module, Fuses

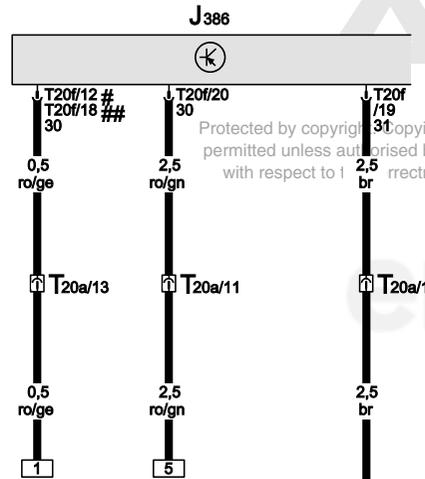
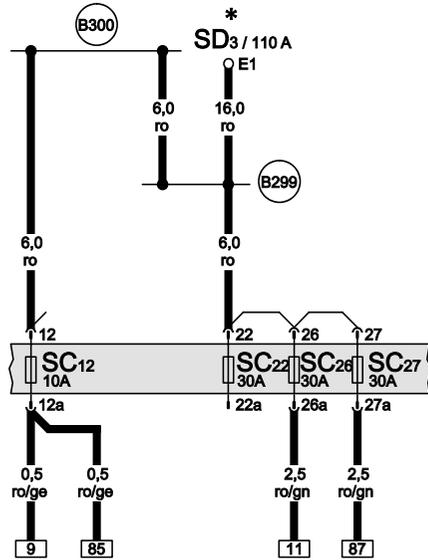
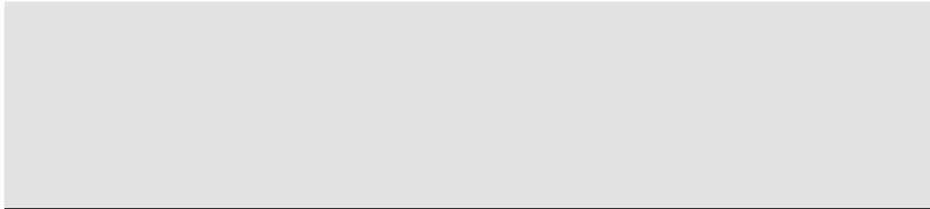
- J386 Driver's Door Control Module
- SC12 Fuse 12 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC26 Fuse 26 (on fuse panel C)
- SC27 Fuse 27 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T20a 20-Pin Connector, black, on front left door
- T20f 20-Pin Connector (Connector A), on driver's door control module

44 Ground Connection (on left lower A-pillar)

B299 Plus Connection 3 (30) (in main wiring harness)

B300 Plus Connection 4 (30) (in main wiring harness)

\* Main fuse panel, in right rear luggage compartment on battery  
 # Through May 2007  
 ## from June 2007



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

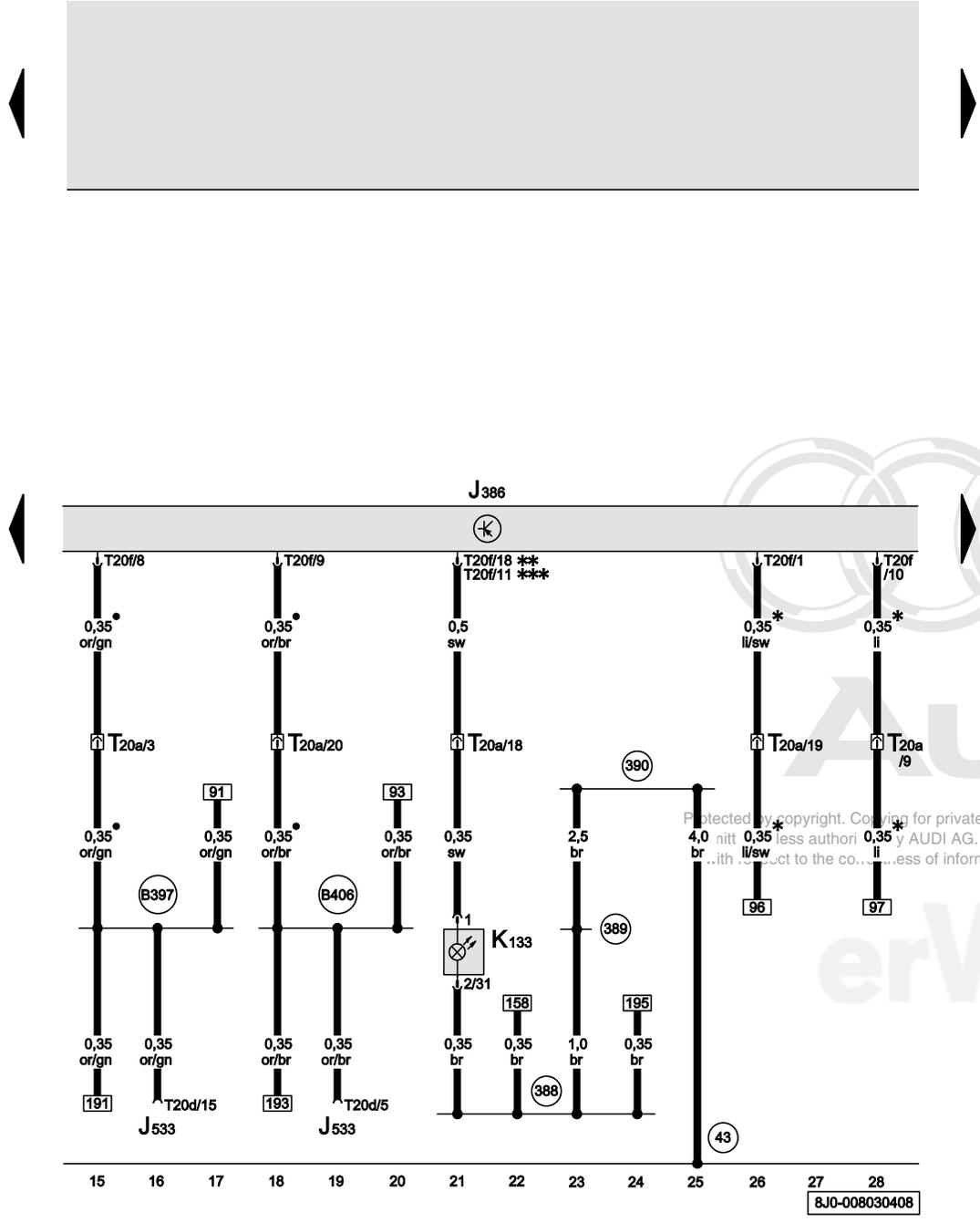
1 2 3 4 5 6 7 8 9 10 11 12 13 14

8J0-008020408

Driver's Door Control Module, Central Locking -SAFE- Indicator Lamp

- J386 Driver's Door Control Module
- J533 Data Bus On Board Diagnostic Interface
- K133 Central Locking -SAFE- Indicator Lamp
- T20a 20-Pin Connector, black, on front left door
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20f 20-Pin Connector (Connector A), on driver's door control module

- 43 Ground Connection (on right lower A-pillar)
- 388 Ground Connection 23 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with automatic day/night mirror
- \*\* Through May 2007
- \*\*\* from June 2007



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

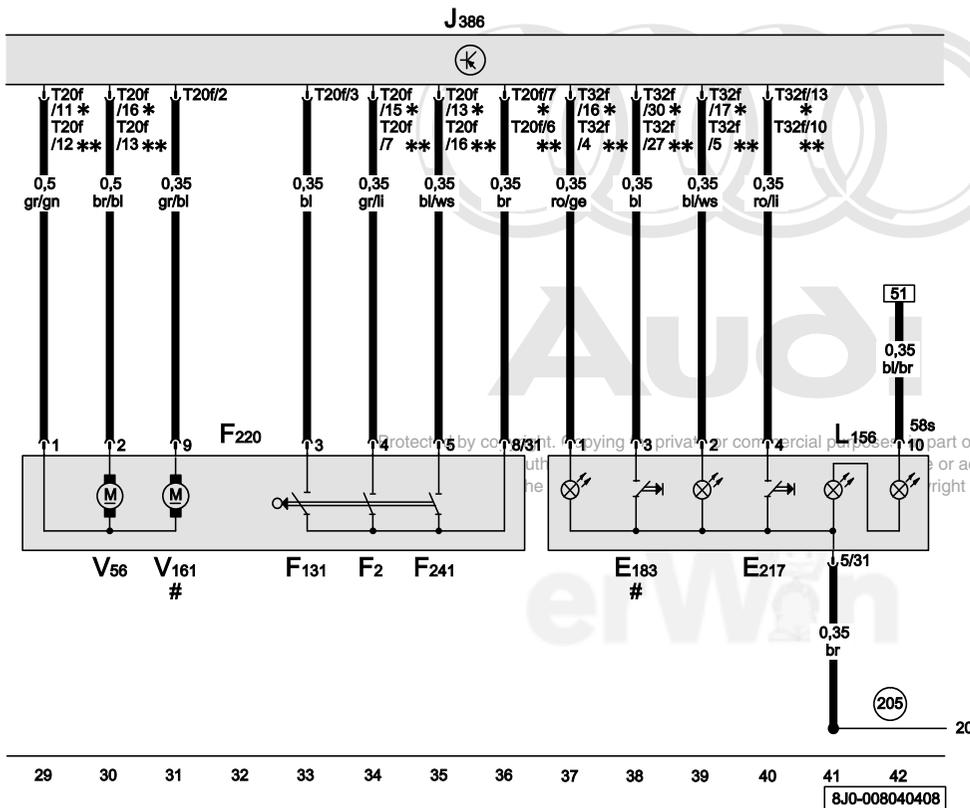
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the express authorization of AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of the information in this document. Copyright by AUDI AG.

8J0-008030408

**Driver's Door Control Module, Driver's Door Central Locking Lock Unit, Driver's Door Contact Switch, Alarm System -Off- Switch, Passenger Compartment Monitoring Switch**

- E183 Passenger Compartment Monitoring Switch
- E217 Alarm System -Off- Switch
- F2 Driver's Door Contact Switch
- F131 Left Front Central Locking System Actuator
- F220 Driver's Door Central Locking Lock Unit
- F241 Driver Lock Cylinder Contact Switch
- J386 Driver's Door Control Module
- L156 Switch Illumination Lamp
- T20f 20-Pin Connector (Connector A), on driver's door control module
- T32f 32-Pin Connector (Connector C), on driver's door control module
- V56 Driver's Door Central Locking System Motor
- V161 Driver's Door Central Locking (Safe) Motor

- 205 Ground Connection (in Driver's door wiring harness)
- \* Through May 2007
- \*\* from June 2007
- # Not for USA



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

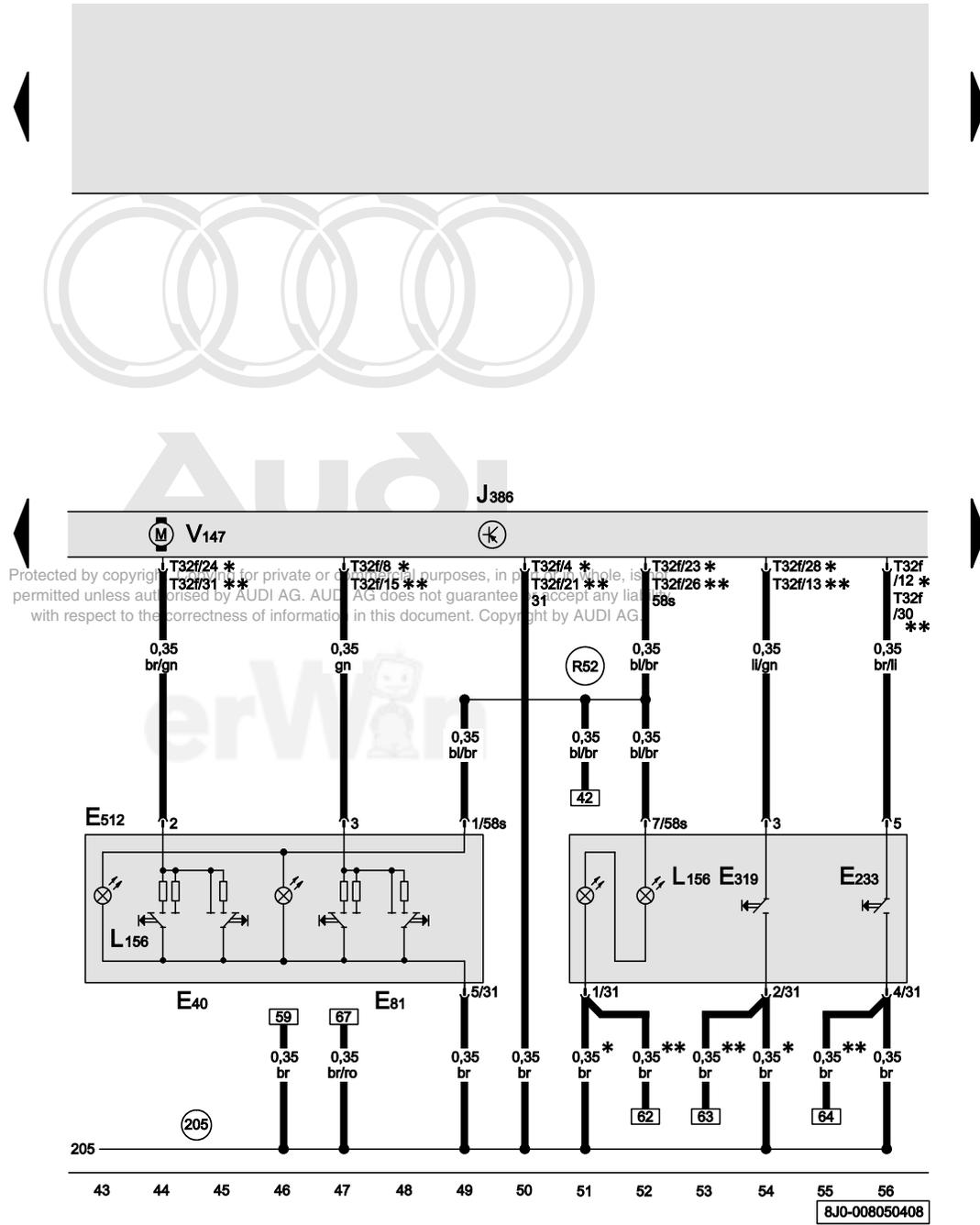
Driver's Door Control Module, Window Regulator Control Head (in driver's door), Rear Lid Remote Control Lock Switch, Left Front Window Regulator Switch, Fuel Tank Lid Unlock Button

- E40 Left Front Window Regulator Switch
- E81 Driver's Right Front Window Regulator Switch
- E233 Rear Lid Remote Control Lock Switch
- E319 Fuel Tank Lid Unlock Button
- E512 Window Regulator Control Head (in driver's door)
- J386 Driver's Door Control Module
- L156 Switch Illumination Lamp
- T32f 32-Pin Connector (Connector C), on driver's door control module
- V147 Driver's Window Regulator Motor

205 Ground Connection (in Driver's door wiring harness)

R52 Connection (58s) (in driver's door wiring harness)

\* Through May 2007  
 \*\* from June 2007



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

**Driver's Door Control Module, Mirror Adjustment Switch, Mirror Selector Switch, Mirror Adjustment (with fold-in function) Switch, Driver's Interior Locking Button**

- E43 Mirror Adjustment Switch
- E48 Mirror Selector Switch
- E168 Mirror Adjustment (with fold-in function) Switch
- E308 Driver's Interior Locking Button
- J386 Driver's Door Control Module
- L146 Driver's Inside Door Handle Illumination
- L156 Switch Illumination Lamp
- T32f 32-Pin Connector (Connector C), on driver's door control module
- W30 Driver's Door Warning Light
- W31 Left Front Entry Light

303 Ground Connection 3 (in driver's door wiring harness)

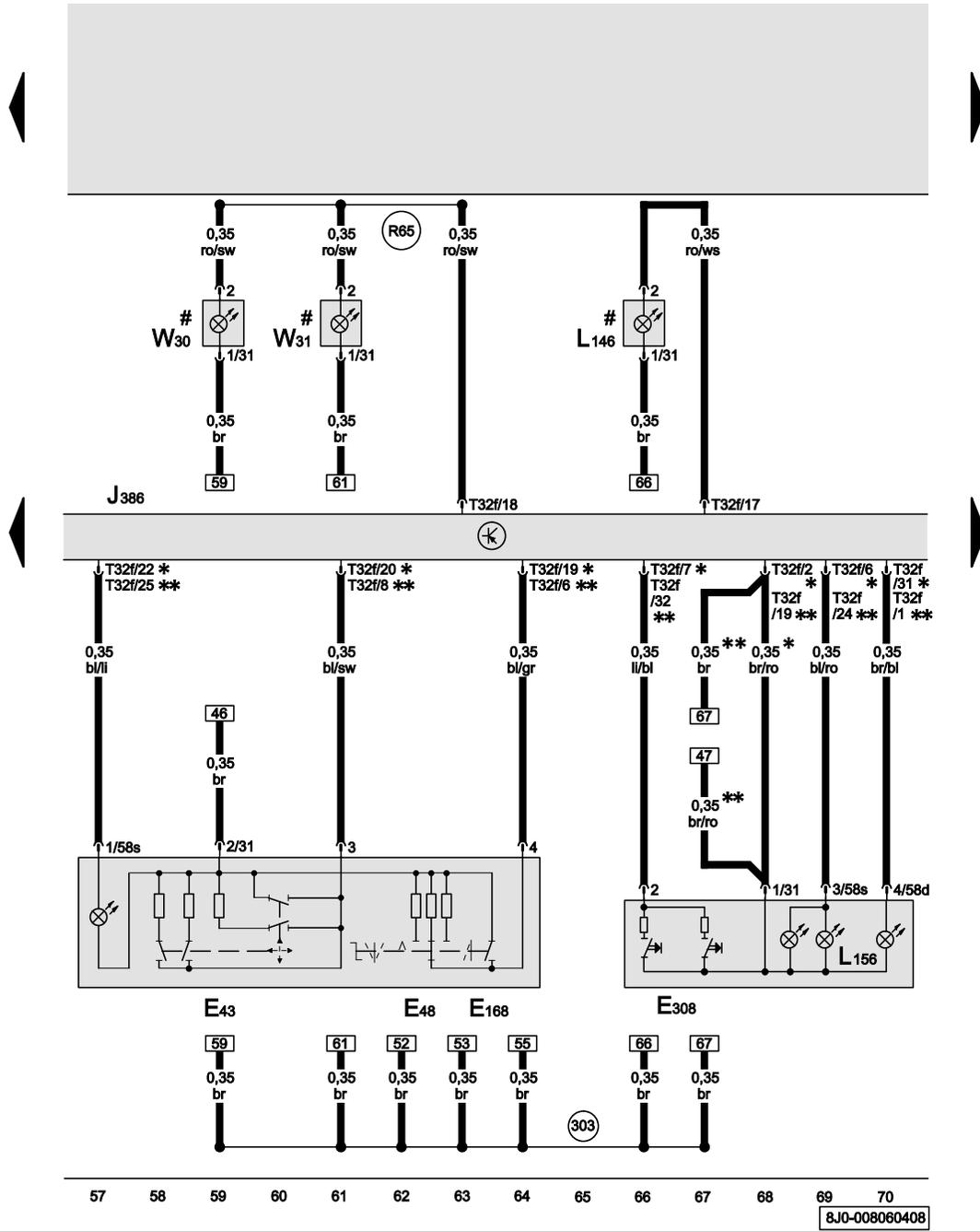
R65 Plus Connection (58) in driver door wiring harness

\* Through May 2007

\*\* from June 2007

# Models with light emitting diode (LED) illumination package (QQ1)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

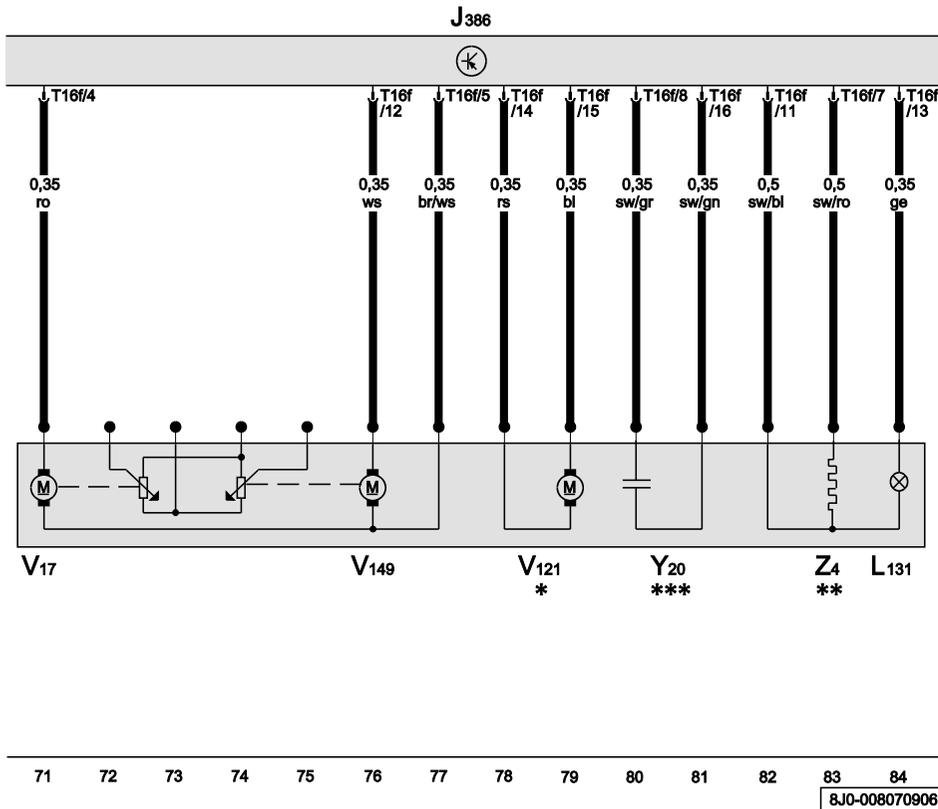


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

**Driver's Door Control Module, Driver's Exterior Mirror Turn Signal Lamp, Driver's Mirror Adjustment Motor, Driver's Mirror Fold-in Motor, Driver's Mirror Adjustment Motor, Driver's Automatic Day/Night Outside Mirror, Driver's Heated Outside Mirror**

- J386 Driver's Door Control Module
- L131 Driver's Exterior Mirror Turn Signal Lamp
- T16f 16-Pin Connector (Connector B), on driver's door control module
- V17 Driver's Mirror Adjustment Motor
- V121 Driver's Mirror Fold-in Motor
- V149 Driver's Mirror Adjustment Motor
- Y20 Driver's Automatic Day/Night Outside Mirror
- Z4 Driver's Heated Outside Mirror
- \* Mirrors with fold-in function
- \*\* Models with mirror heating
- \*\*\* Models with automatic day/night outside mirror

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



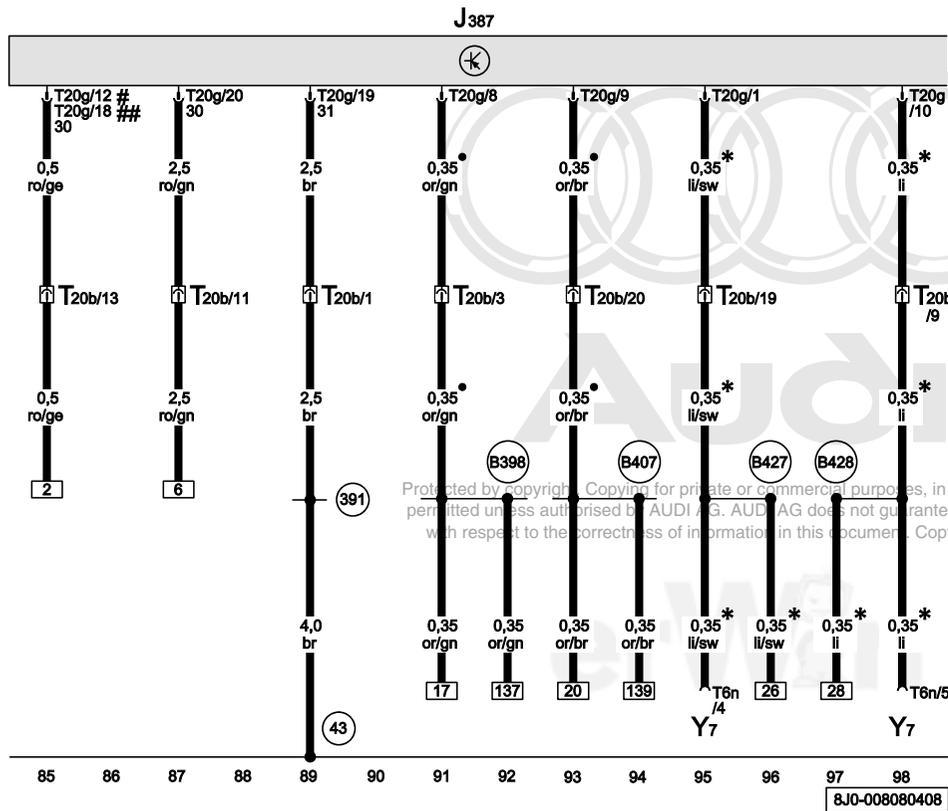
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Front Passenger's Door Control Module, Automatic Day/Night Interior Mirror

- J387 Front Passenger's Door Control Module
- T6n 6-Pin Connector, black, on interior mirror
- T20b 20-Pin Connector, black, on front right door
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- Y7 Automatic Day/Night Interior Mirror

- 43 Ground Connection (on right lower A-pillar)
- 391 Ground Connection 26 (in main wiring harness)
- B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
- B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
- B427 Mirror Auto-dimming Signal Connection 1 (in main wiring harness)
- B428 Mirror Auto-dimming Signal Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with automatic day/night mirror
- # Through May 2007
- ## from June 2007



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-008080408

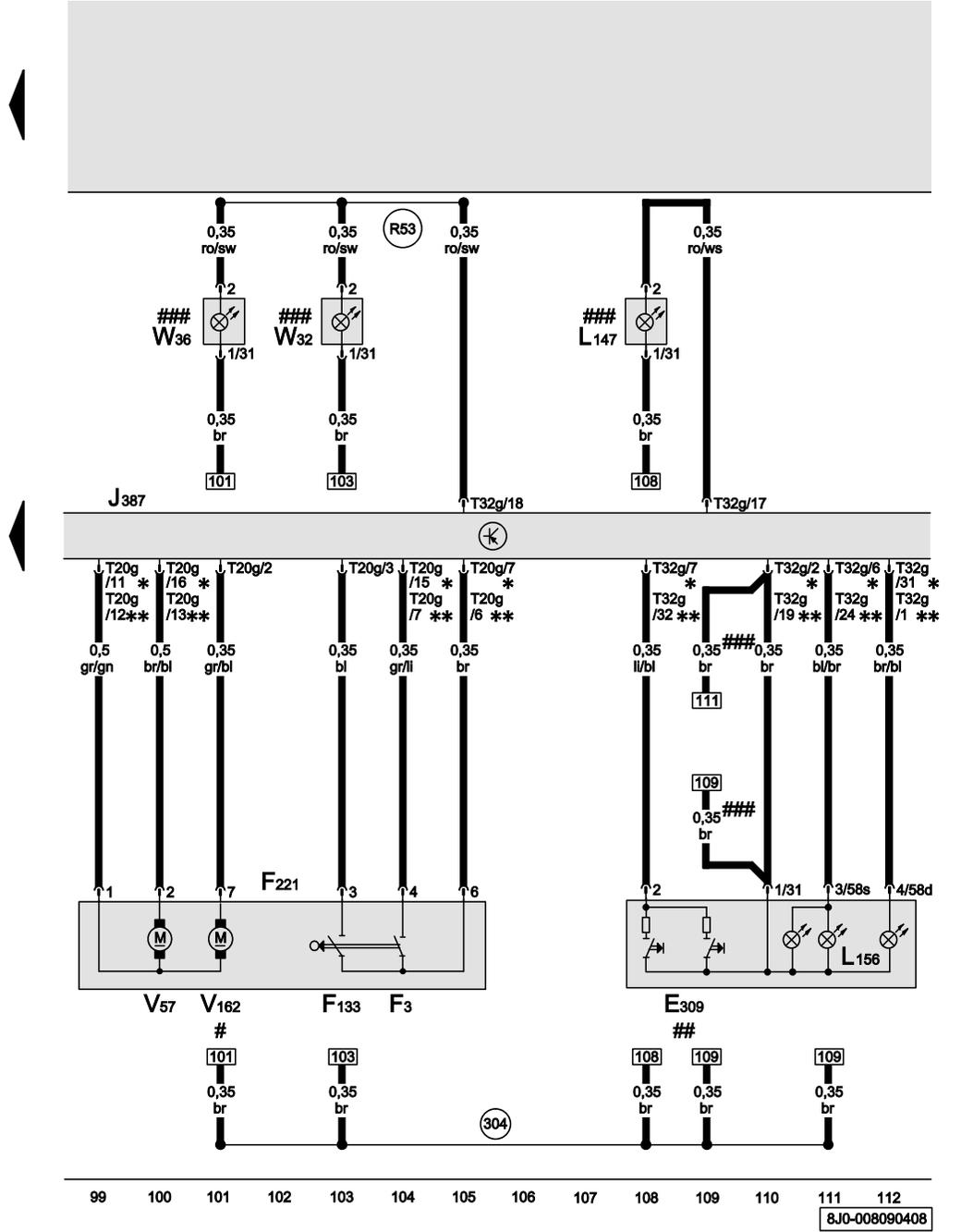
Front Passenger's Door Control Module, Front Passenger's Door Central Locking Lock Unit, Front Passenger's Interior Locking Button, Front Passenger's Door Contact Switch

- E309 Front Passenger's Interior Locking Button
- F3 Front Passenger's Door Contact Switch
- F133 Right Front Central Locking System Actuator
- F221 Front Passenger's Door Central Locking Lock Unit
- J387 Front Passenger's Door Control Module
- L147 Front Passenger's Inside Door Handle Illumination
- L156 Switch Illumination Lamp
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- T32g 32-Pin Connector (Connector C), on front passenger's door control module
- V57 Front Passenger's Door Central Locking System Motor
- V162 Front Passenger's Central Locking (Safe) Motor
- W32 Right Front Entry Light
- W36 Front Passenger's Door Warning Light

304 Ground Connection 3 (in front passenger's door wiring harness)

R53 Connection (58s) (in front passenger's door wiring harness)

- \* Through May 2007
- \*\* from June 2007
- # Not for USA
- ## Only USA
- ### Models with light emitting diode (LED) illumination package (QQ1)



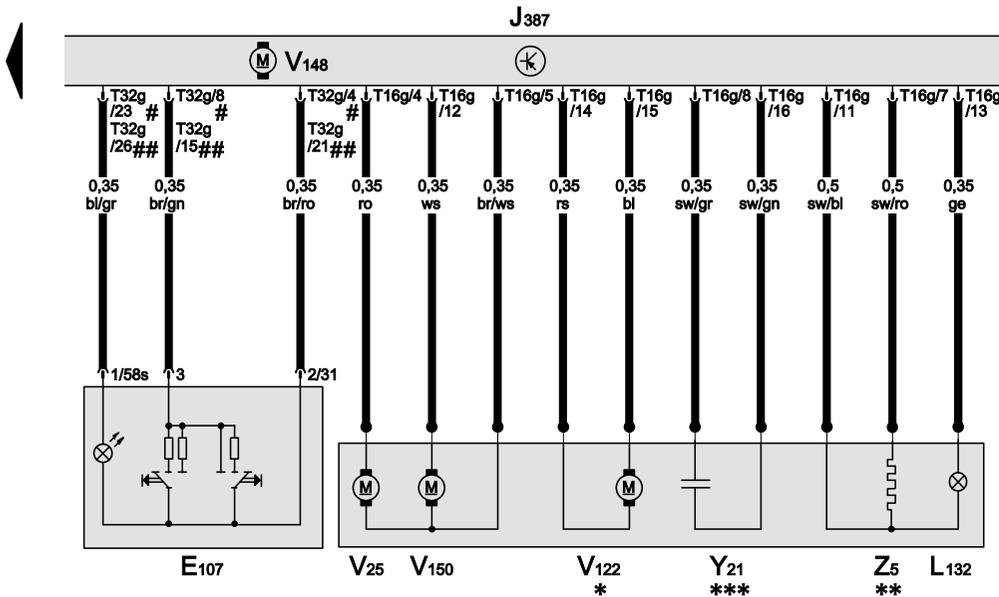
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Front Passenger's Door Control Module, Window Regulator Switch (in RF door), Front Passenger's Mirror Adjustment Motor, Front Passenger's Mirror Adjustment Motor, Front Passenger's Mirror Fold-in Motor, Front Passenger's Automatic Day/Night Outside Mirror, Front Passenger's Heated Outside Mirror, Front Passenger's Exterior Mirror Turn Signal Lamp

- E107 Window Regulator Switch (in RF door)
- J387 Front Passenger's Door Control Module
- L132 Front Passenger's Exterior Mirror Turn Signal Lamp
- T16g 16-Pin Connector (Connector B), on front passenger's door control module

Protected by copyright. T32g 32-Pin Connector (Connector C), on front passenger's door control module  
 permitted unless authorised by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright © Audi AG.

- T32g 32-Pin Connector (Connector C), on front passenger's door control module
- V25 Front Passenger's Mirror Adjustment Motor
- V122 Front Passenger's Mirror Fold-in Motor
- V148 Front Passenger's Window Regulator Motor
- V150 Front Passenger's Mirror Adjustment Motor
- Y21 Front Passenger's Automatic Day/Night Outside Mirror
- Z5 Front Passenger's Heated Outside Mirror
- \* Mirrors with fold-in function
- \*\* Models with mirror heating
- \*\*\* Models with automatic day/night outside mirror
- # Through May 2007
- ## from June 2007



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

Comfort System Central Control Module, Fuses

- J393 Comfort System Central Control Module
- SD2 Fuse 2 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module

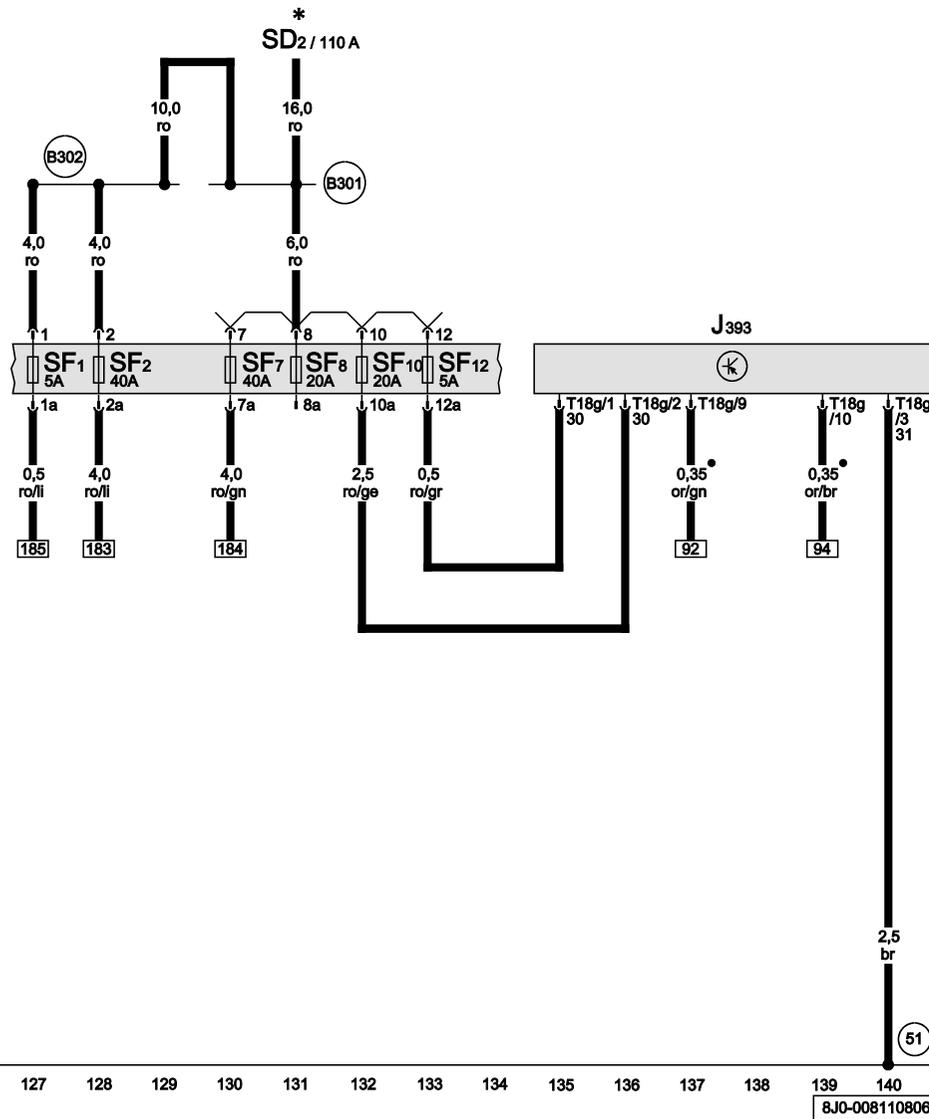
51 Ground Connection (in luggage compartment, right)

B301 Plus Connection 5 (30) (in main wiring harness)

B302 Plus Connection 6 (30) (in main wiring harness)

Produced by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the information in this document. Copyright by AUDI AG.

\* Main fuse panel, in right rear luggage compartment on battery



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

**Comfort System Central Control Module, Fuel Tank Lid Lock Motor, Trunk Lid Alarm Switch, Rear Lid Central Locking System Motor, Rear Window Glass Breakage Sensor**

- F123 Trunk Lid Alarm Switch
- G304 Rear Window Glass Breakage Sensor
- J393 Comfort System Central Control Module
- T6g 6-Pin Connector (Connector C), on comfort system central control module
- T8e 8-Pin Connector, brown, in left side panel, rear lid
- T8g 8-Pin Connector, black (Connector B), on comfort system central control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- V53 Rear Lid Central Locking System Motor
- V155 Fuel Tank Lid Unlock Motor

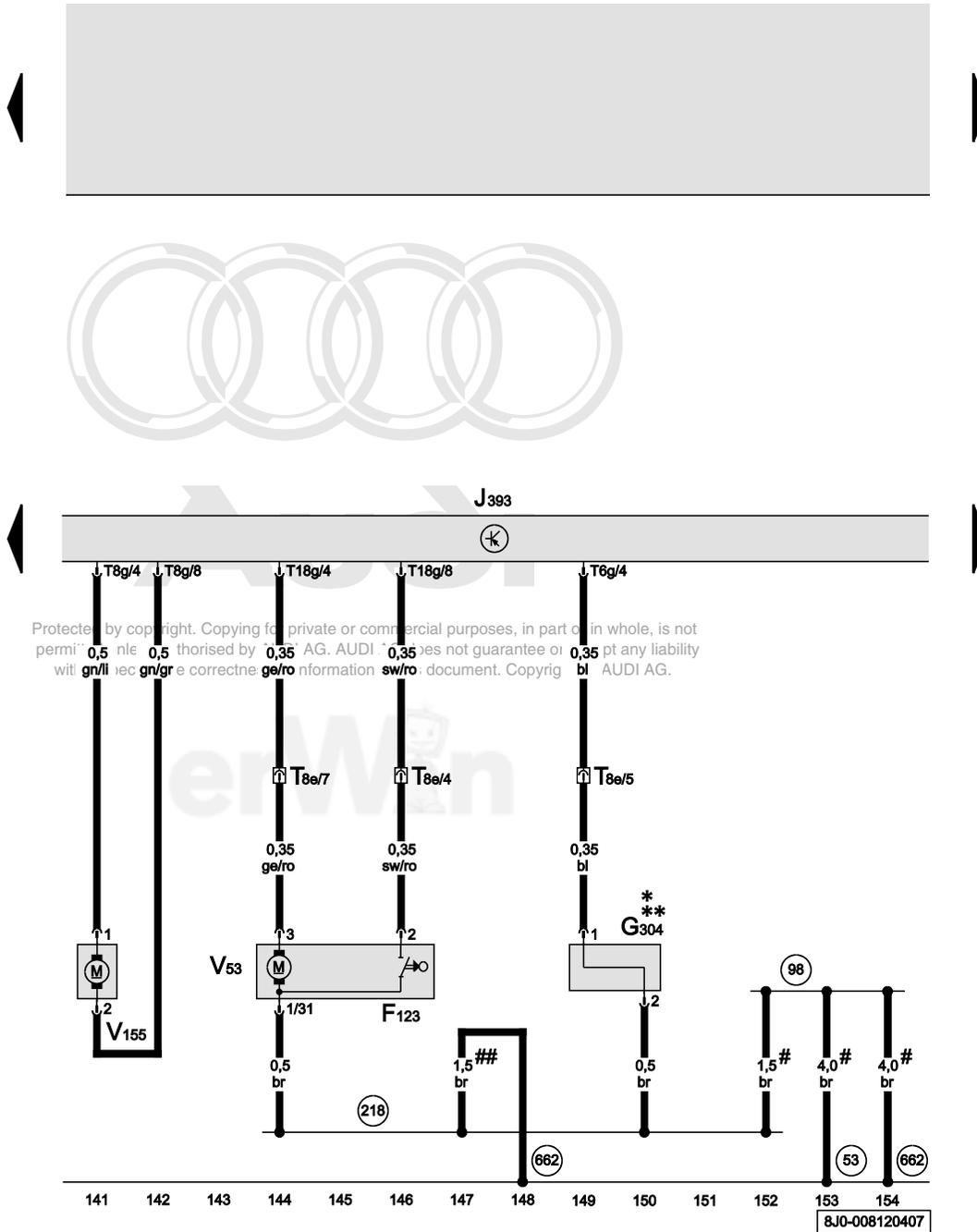
53 Ground Connection (in rear lid, right)

98 Ground Connection (in rear lid wiring harness)

218 Ground Connection 1 (in rear lid wiring harness)

662 Ground Connection (on left rear side panel)

- \* Only with anti-theft alarm system
- \*\* Only Coupé
- # Through May 2007
- ## from June 2007



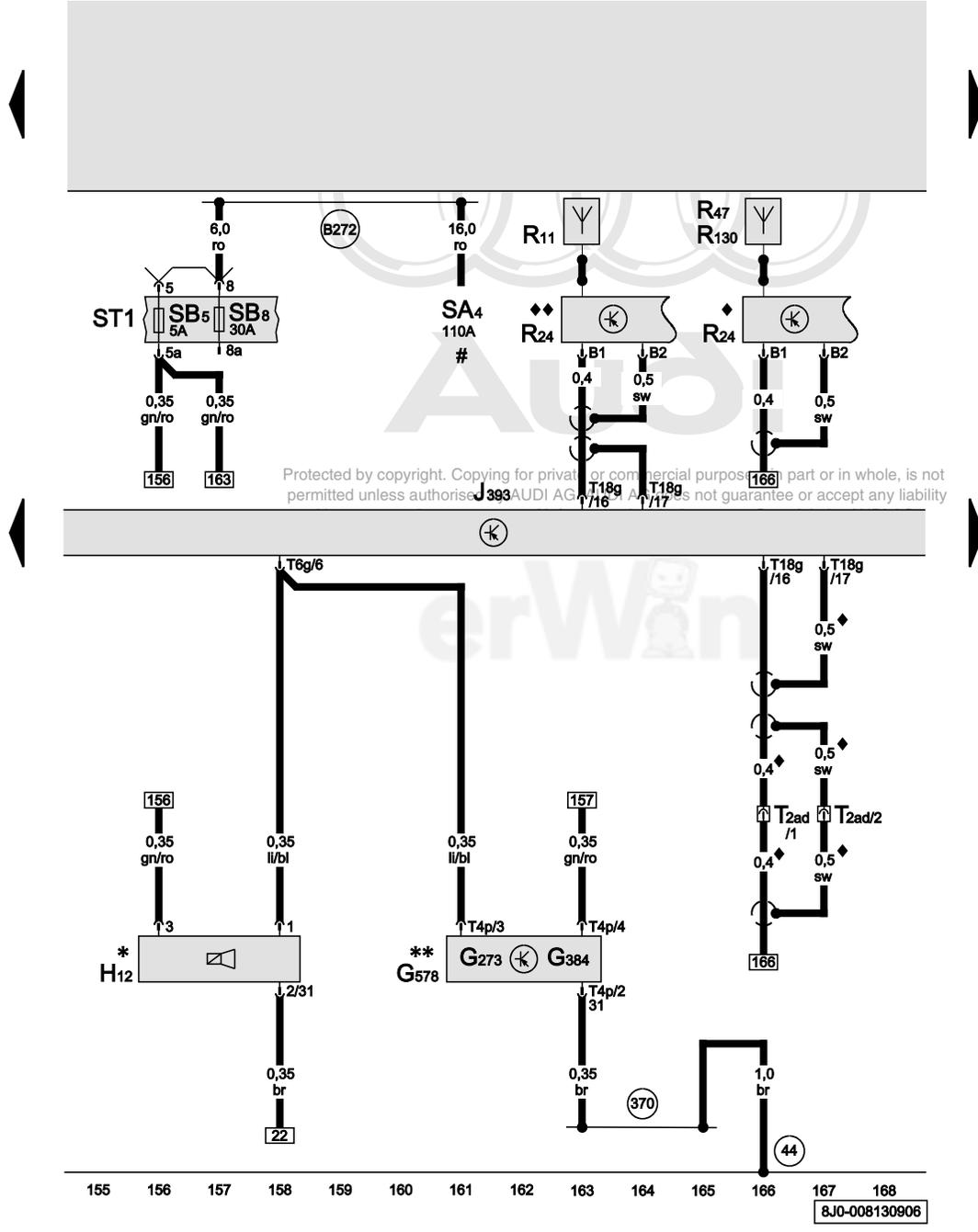
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-008120407

Comfort System Central Control Module, Alarm Horn, Anti-Theft Alarm System Sensor, Antenna Amplifier

- G273 Interior Monitoring Sensor
- G384 Vehicle Inclination Sensor
- G578 Anti-Theft Alarm System Sensor
- H12 Alarm Horn
- J393 Comfort System Central Control Module
- R11 Antenna
- R24 Antenna Amplifier
- R47 Central Locking and Anti-Theft Alarm System Antenna
- R130 Rear Window Antenna 1
- SA4 Fuse 4 (on fuse panel A)
- SB5 Fuse 5 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T2ad Double Connector, grey, in right luggage compartment
- T4p 4-Pin Connector, black, on interior monitoring sensor
- T6g 6-Pin Connector (Connector C), on comfort system central control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module

- 44 Ground Connection (on left lower A-pillar)
- 370 Ground Connection 5 (in main wiring harness)
- B272 Plus Connection (30) (in main wiring harness)
- \* Models with anti-theft alarm system
- \*\* Models with interior monitoring
- # Main fuse panel electronics box, in front left engine compartment
- ◆ Coupé
- ◆◆ Roadster



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

Comfort System Central Control Module, Rear Spoiler Switch, Rear Spoiler Adjustment Indicator Lamp, Rear Spoiler Motor

- E127 Rear Spoiler Switch
- E461 Front/Center Console Control Head
- F135 Rear Spoiler Stop Switch 1
- F136 Rear Spoiler Stop Switch 2
- J393 Comfort System Central Control Module
- K242 Rear Spoiler Adjustment Indicator Lamp
- T6f 6-Pin Connector, black, left side panel
- T8g 8-Pin Connector, black (Connector B), on comfort system central control module
- T8l 8-Pin Connector, black, on rear spoiler
- T16b 16-Pin Connector, brown, on center console switch module
- T18f 18-Pin Connector, black (Connector D), on comfort system central control module
- V52 Rear Spoiler Motor

44 Ground Connection (on left lower A-pillar)

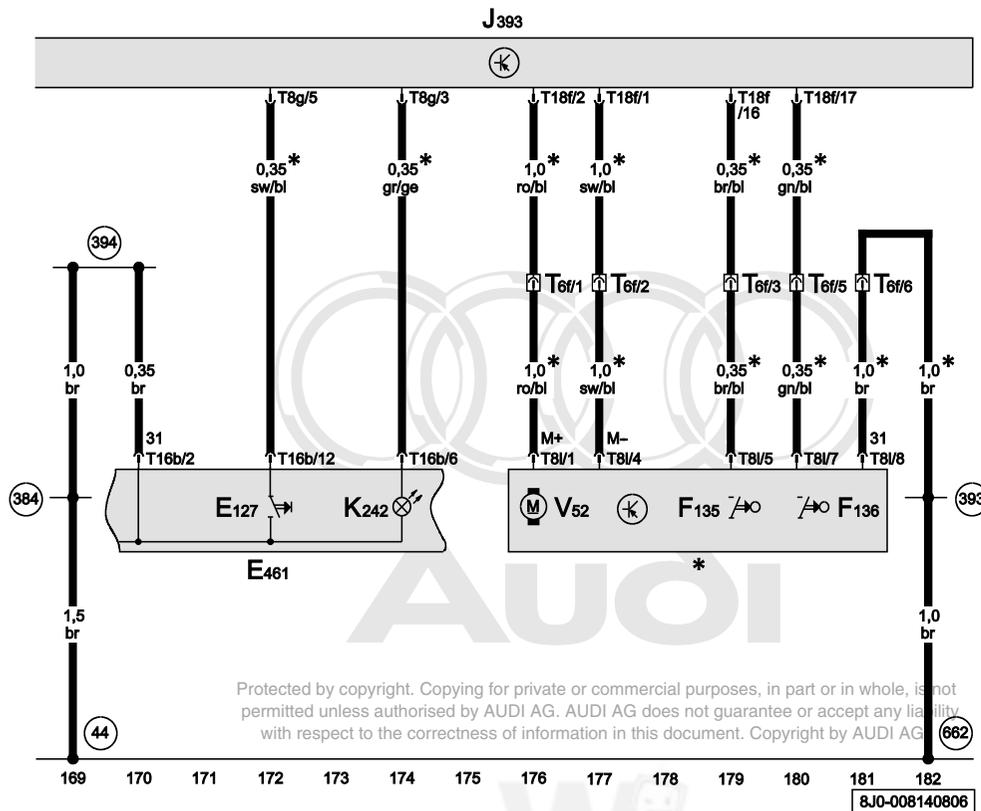
384 Ground Connection 19 (in main wiring harness)

393 Ground Connection 28 (in main wiring harness)

394 Ground Connection 29 (in main wiring harness)

662 Ground Connection (on left rear side panel)

\* Models with rear spoiler adjustment



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG

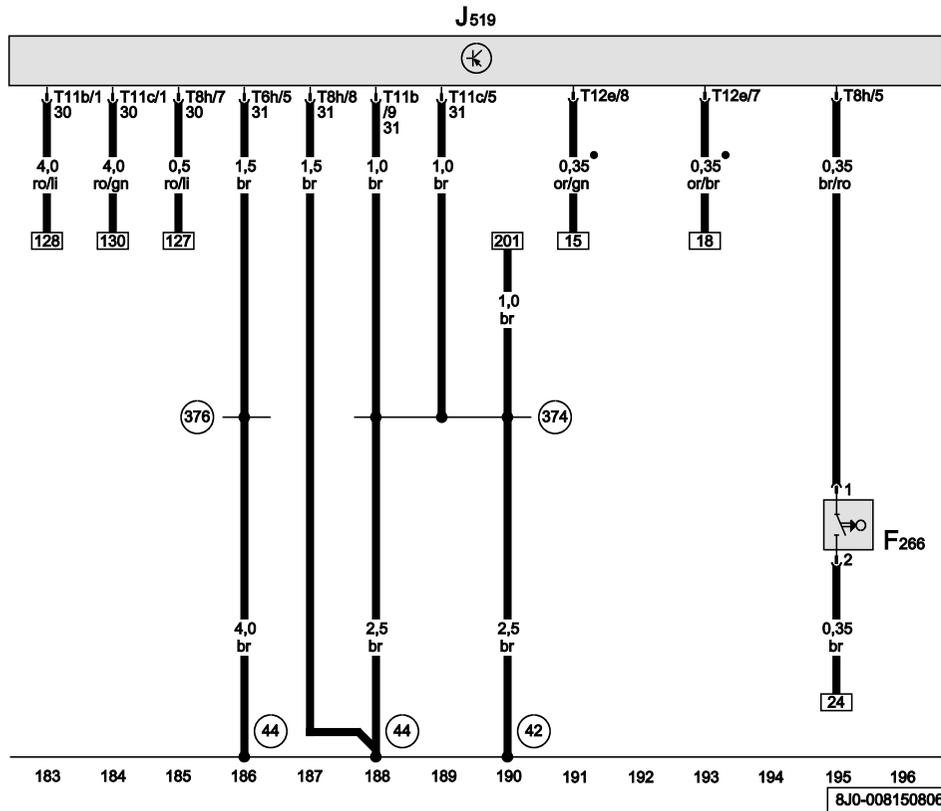
8J0-008140806

Vehicle Electrical System Control Module, Front Hood Switch

- F266 Front Hood Switch
- J519 Vehicle Electrical System Control Module
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

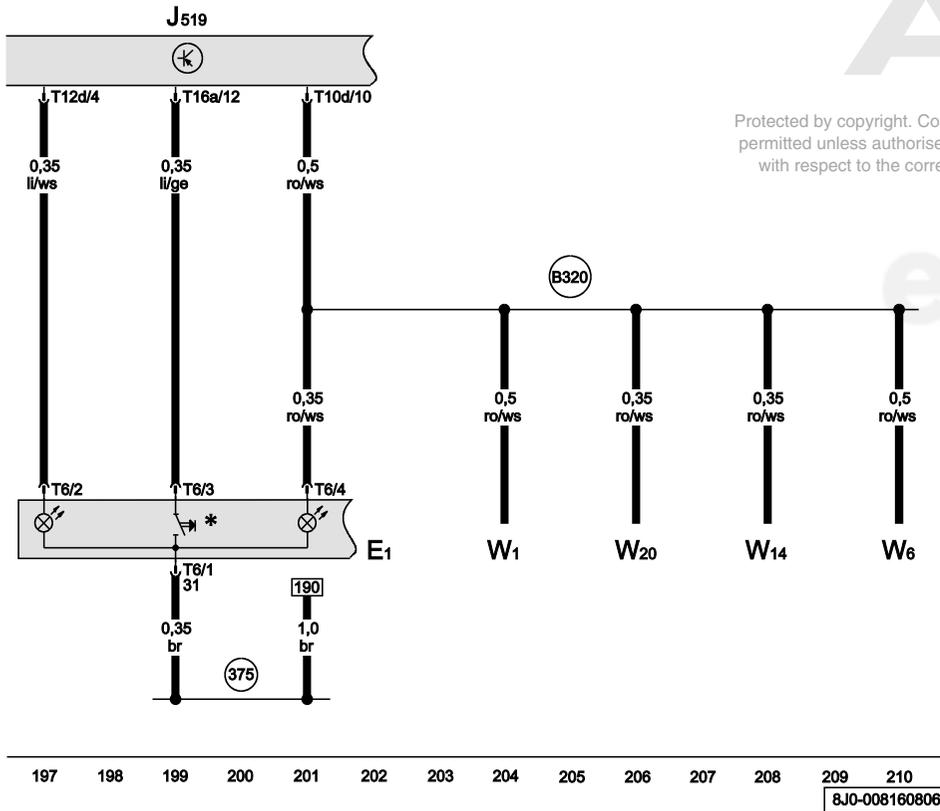
- 42 Ground Connection (beside steering column)
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 376 Ground Connection 11 (in main wiring harness)
  - CAN-Bus (data wire)



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

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- T6 6-Pin Connector, black (Connector C), on light switch
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- W1 Front Interior Light
- W6 Glove Compartment Light
- W14 Front Passenger's Illuminated Make-up Mirror
- W20 Driver's Illuminated Make-up Mirror Light
- 375 Ground Connection 10 (in main wiring harness)
- B320 Plus Connection 6 (30a) (in main wiring harness)
- \* Coming Home Switch



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Anti-Lock Braking System (ABS) with EDL and ASR and ESP

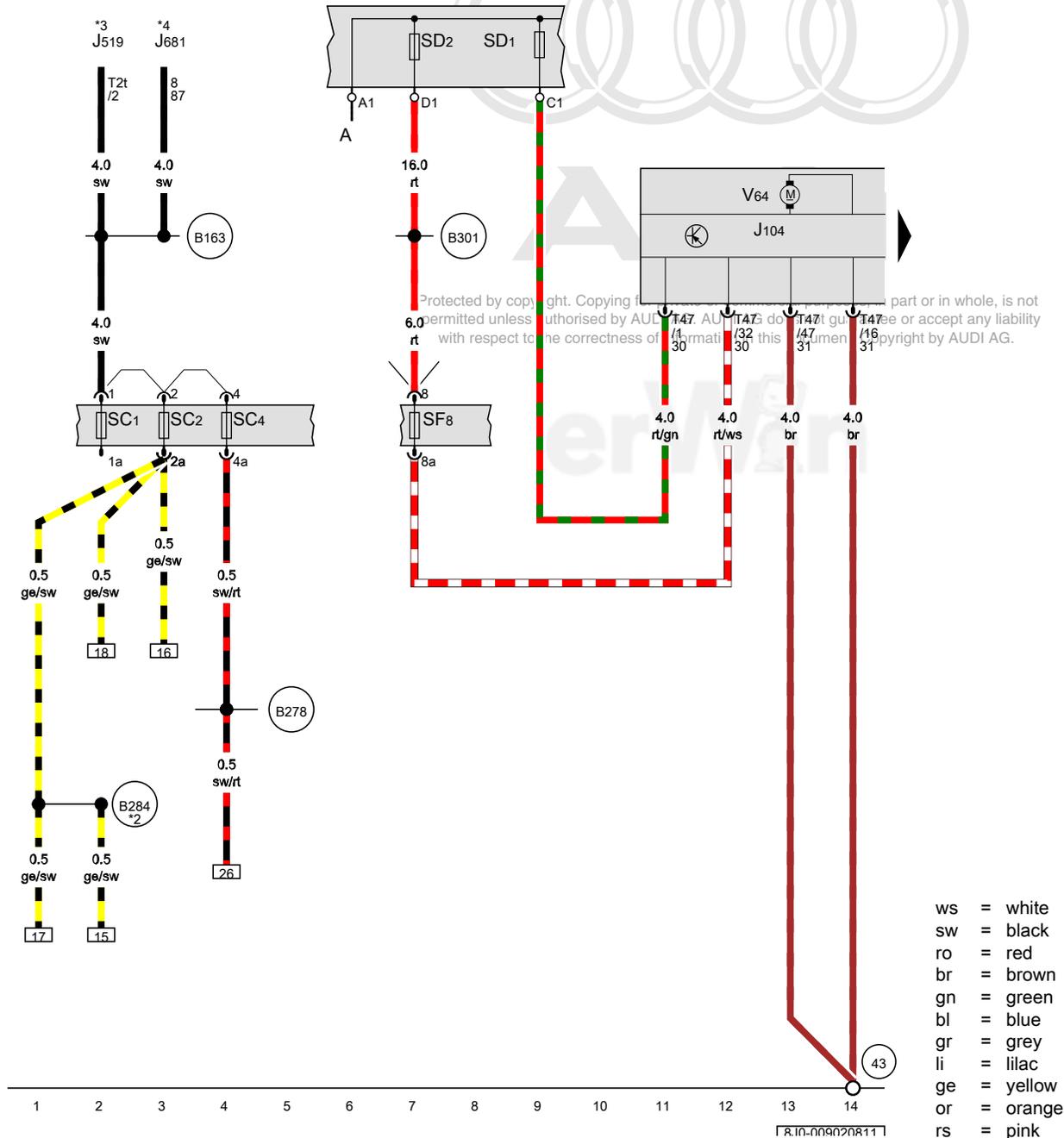
From June 2006



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





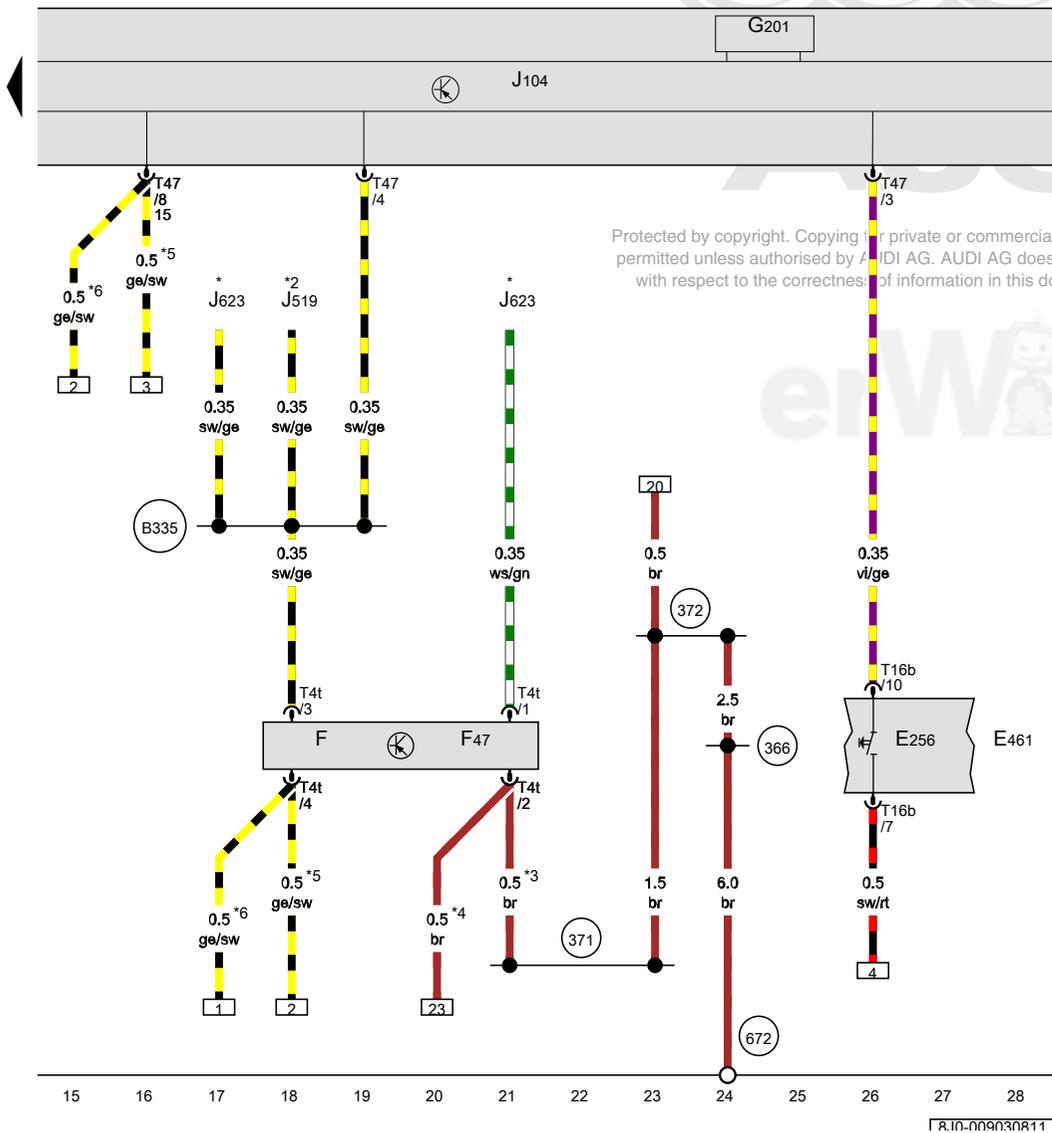
ABS control module, Fuse 2 (on fuse panel D)

- A Battery
- J104 ABS control module
- J519 Vehicle electrical system control module
- J681 Terminal 15 power supply relay 2
- SC1 Fuse 1 (on fuse panel C)
- SD1 Fuse 1 (on fuse panel D)
- SC2 Fuse 2 (on fuse panel C)
- SD2 Fuse 2 (on fuse panel D)
- SC4 Fuse 4 (on fuse panel C)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double connector
- T47 47-pin connector
- V64 ABS hydraulic pump

- 43 Ground connection on A-pillar, lower right
- B163 Positive connection 1 (15) (in interior wiring harness)
- B278 Positive connection 2 (15a) (in main wiring harness)
- B284 Positive connection 8 (15a) (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- \* Main fuse box in the right rear luggage compartment, at the battery
- \*2 From June 2011
- \*3 Through May 2009
- \*4 From June 2009

ASR/ESP button, Brake lamp switch, Brake pressure sensor 1, ABS control module

- E256 ASR/ESP button
- E461 Front center console control head
- F Brake lamp switch
- F47 Brake pedal switch
- G201 Brake pressure sensor 1
- J104 ABS control module
- J519 Vehicle electrical system control module
- J623 Engine control module
- T4t 4-pin connector
- T16b 16-pin connector
- T47 47-pin connector



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 366 Ground connection 1 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 672 Ground connection 2 on left front longitudinal member
- B335 Connection 1 (54) (in main wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 Through May 2007
- \*4 From June 2007
- \*5 Through May 2011
- \*6 From June 2011

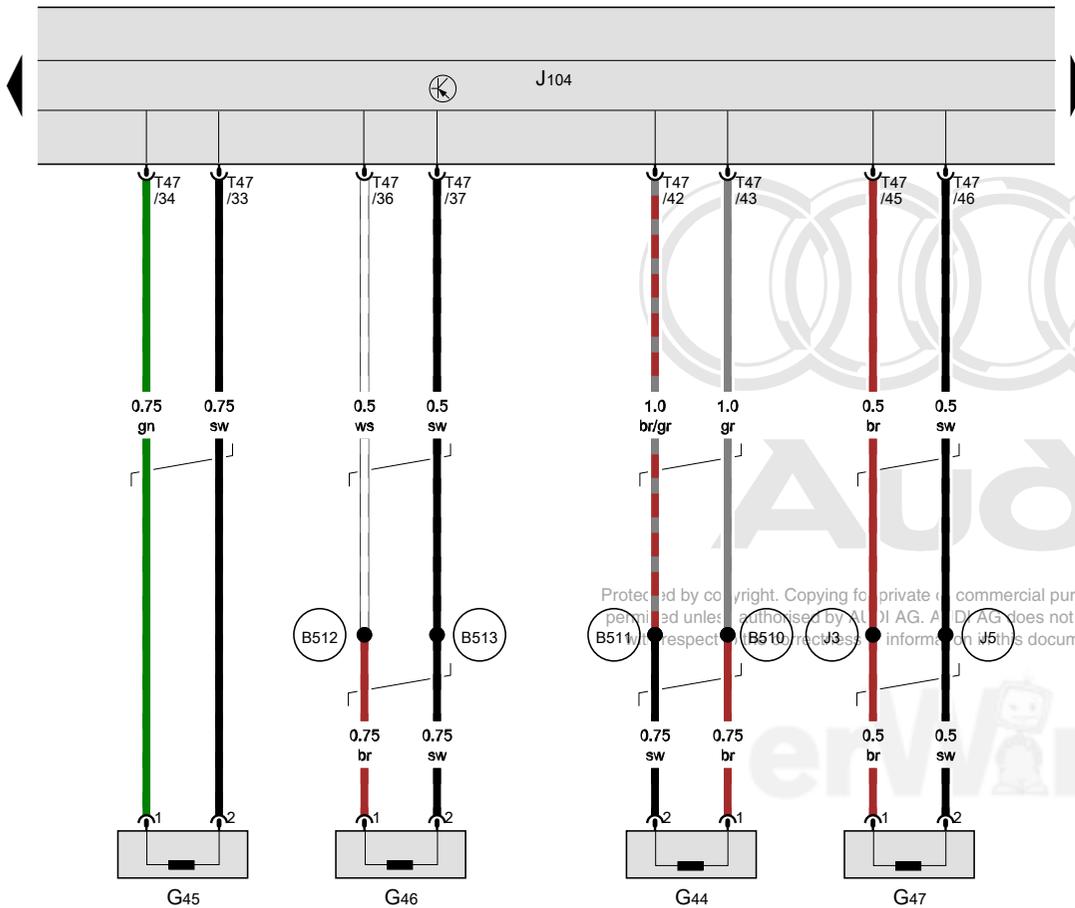
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

18.10.009030811

Right front ABS wheel speed sensor, Left rear ABS wheel speed sensor, ABS control module

- G44 Right rear ABS wheel speed sensor
- G45 Right front ABS wheel speed sensor
- G46 Left rear ABS wheel speed sensor
- G47 Left front ABS wheel speed sensor
- J104 ABS control module
- T47 47-pin connector

- (B510) Right rear speed sensor connection 1 (in interior wiring harness)
- (B511) Right rear speed sensor connection 2 (in interior wiring harness)
- (B512) Left rear speed sensor connection 1 (in interior wiring harness)
- (B513) Left rear speed sensor connection 2 (in interior wiring harness)
- (J3) Connection 1 (in ABS wiring harness)
- (J5) Connection 2 (in ABS wiring harness)

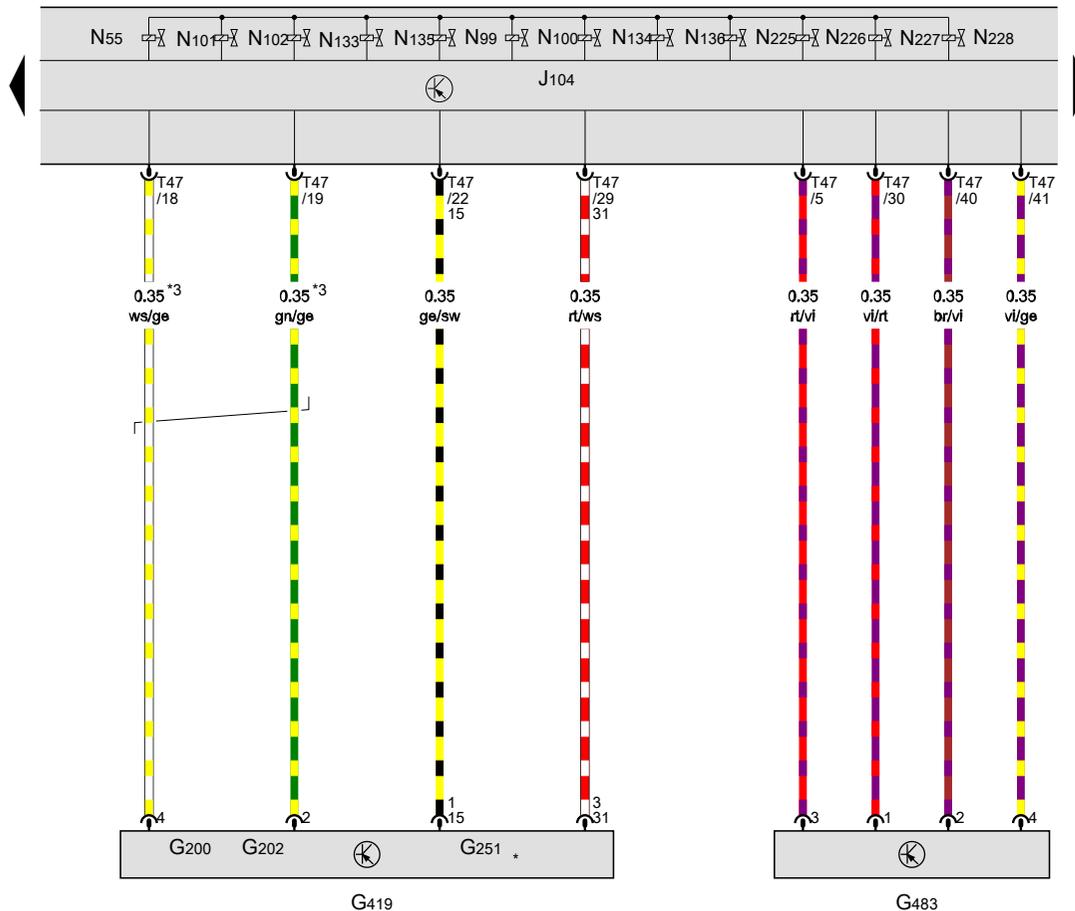


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the content of this document. Copyright by AUDI AG.

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

ESP sensor unit, Brake booster vacuum sensor, ABS control module, ABS hydraulic unit

- G200 Transverse acceleration sensor
- G202 Rotation rate sensor
- G251 Longitudinal acceleration sensor
- G419 ESP sensor unit
- G483 Brake booster vacuum sensor
- J104 ABS control module
- N55 ABS hydraulic unit
- N99 Right front ABS inlet valve
- N100 Right front ABS outlet valve
- N101 Left front ABS inlet valve
- N102 Left front ABS outlet valve
- N133 Right rear ABS inlet valve
- N134 Left rear ABS inlet valve
- N135 Right rear ABS outlet valve
- N136 Left rear ABS outlet valve
- N225 Driving dynamics regulation switch valve 1
- N226 Driving dynamics regulation switch valve 2
- N227 Driving dynamics regulation high pressure switch valve 1
- N228 Driving dynamics regulation high pressure switch valve 2



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by Audi AG. Audi AG does not accept any liability with respect to the correctness of this document. Copyright by AUDI AG.

\* Only for vehicles with all wheel drive  
 \*2 Depending on equipment  
 \*3 Data bus wire (CAN bus)

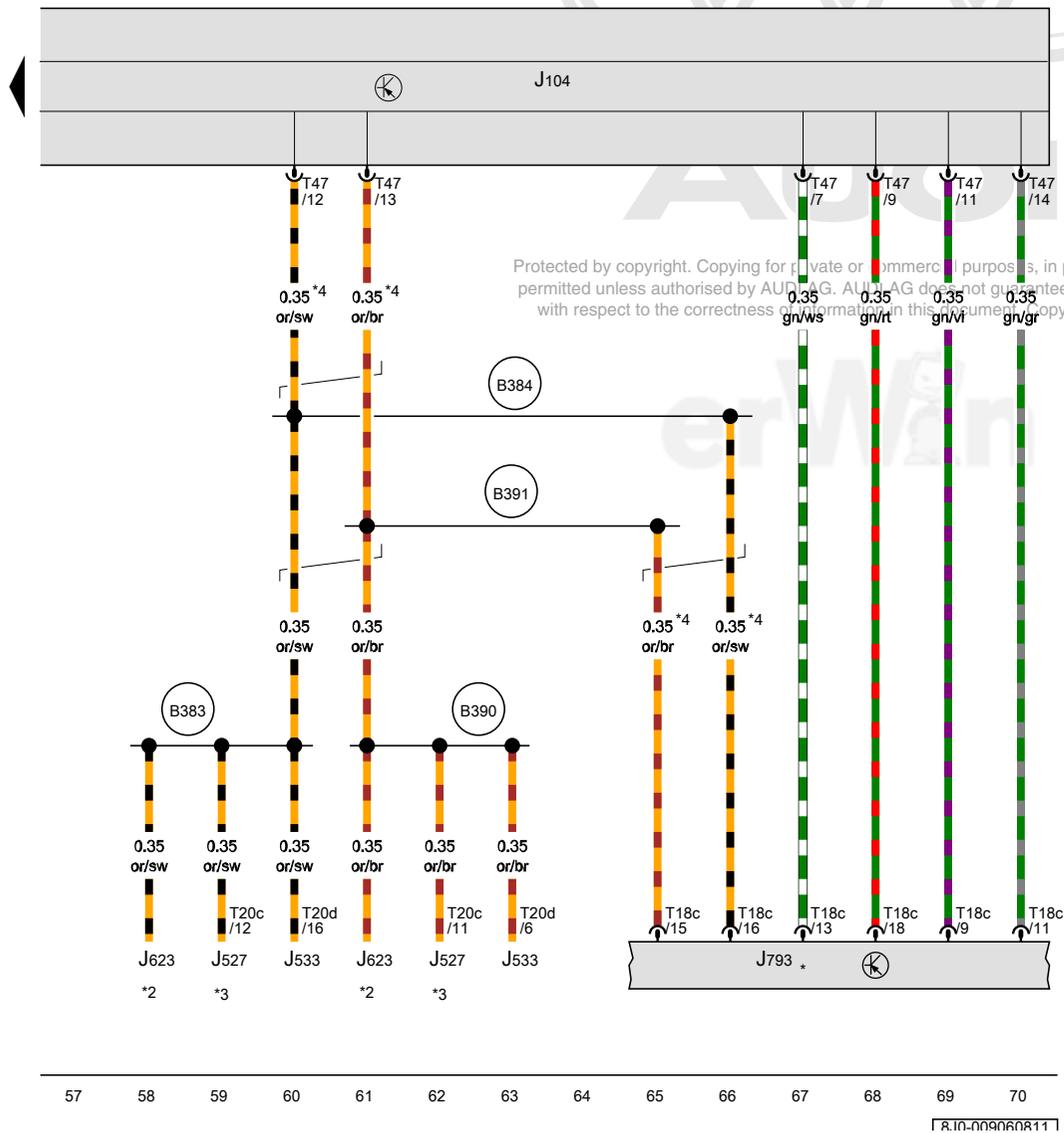
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

ABS control module, Tire pressure monitoring control module 2

- J104 ABS control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J793 Tire pressure monitoring control module 2
- T18c 18-pin connector
- T20c 20-pin connector
- T20d 20-pin connector
- T47 47-pin connector

- (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
- (B384) Powertrain CAN bus high connection 2 (in main wiring harness)
- (B390) Powertrain CAN bus low connection 1 (in main wiring harness)
- (B391) Powertrain CAN bus low connection 2 (in main wiring harness)

- \* Only for vehicles with tire pressure monitoring
- \*2 Refer to applicable engine wiring diagram
- \*3 Through June 2009
- \*4 Data bus wire (CAN bus)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Electronic Damping - Audi Magnetic Ride

from model year 2007

### Note:

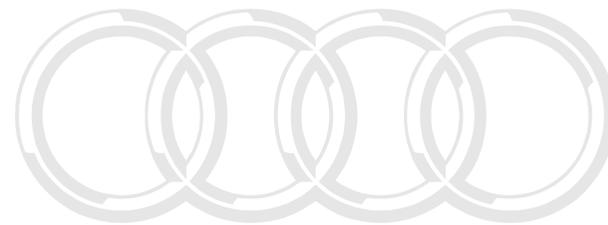
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground Connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Electronic Damping Control Module, Fuses

- J250 Electronic Damping Control Module
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SC7 Fuse 7 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SD2 Fuse 2 (on fuse panel D)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T47a 47-Pin Connector, on electronic damping control module

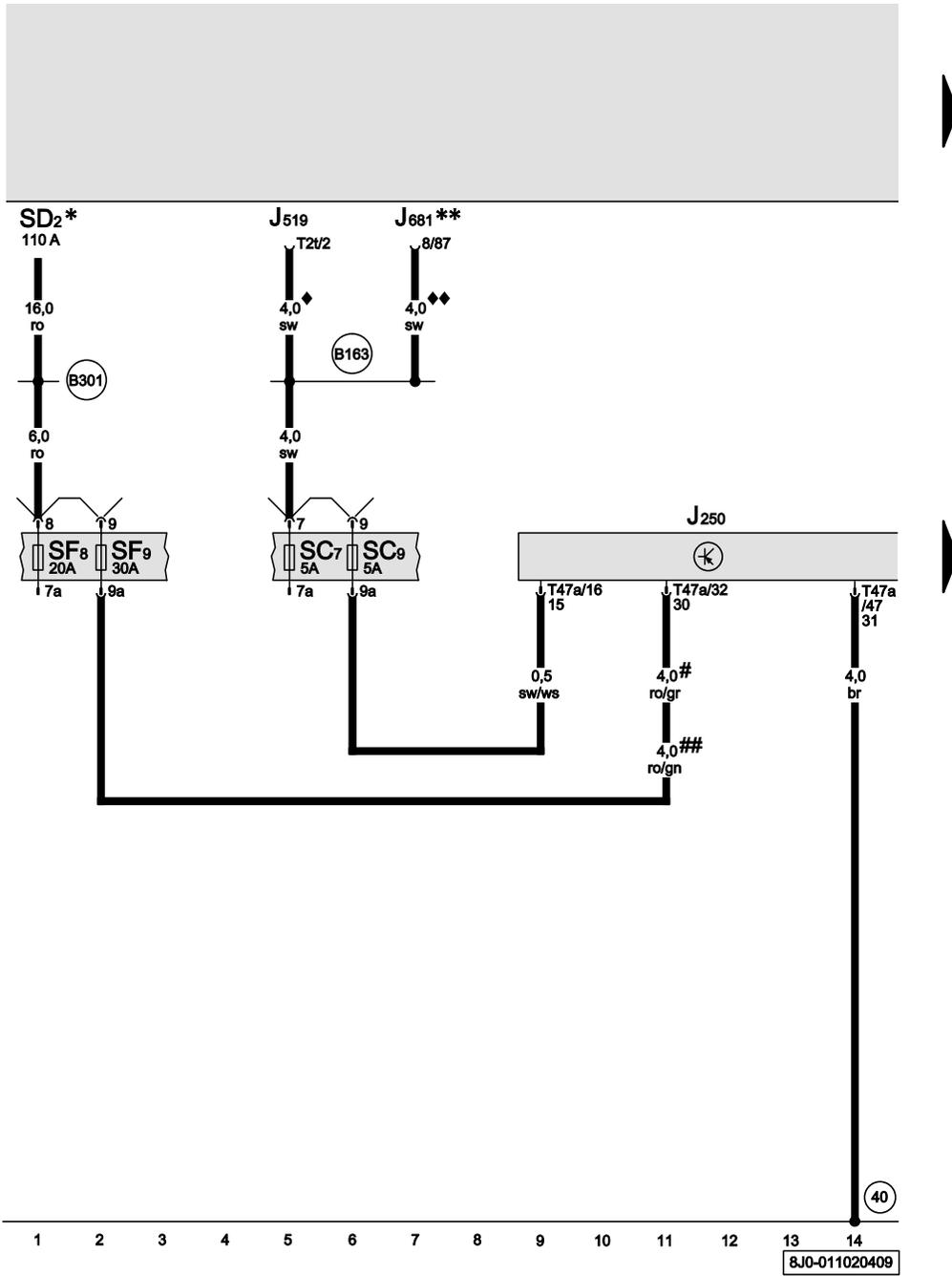
- 40 Ground Connection (below rear seat bench, right)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- B163 Plus Connection 1 (15) (in interior wiring harness)

- B301 Plus Connection 5 (30) (in main wiring harness)

- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module
- # Coupé
- ## Roadster
- ◆ Through May 2009
- ◆◆ from June 2009

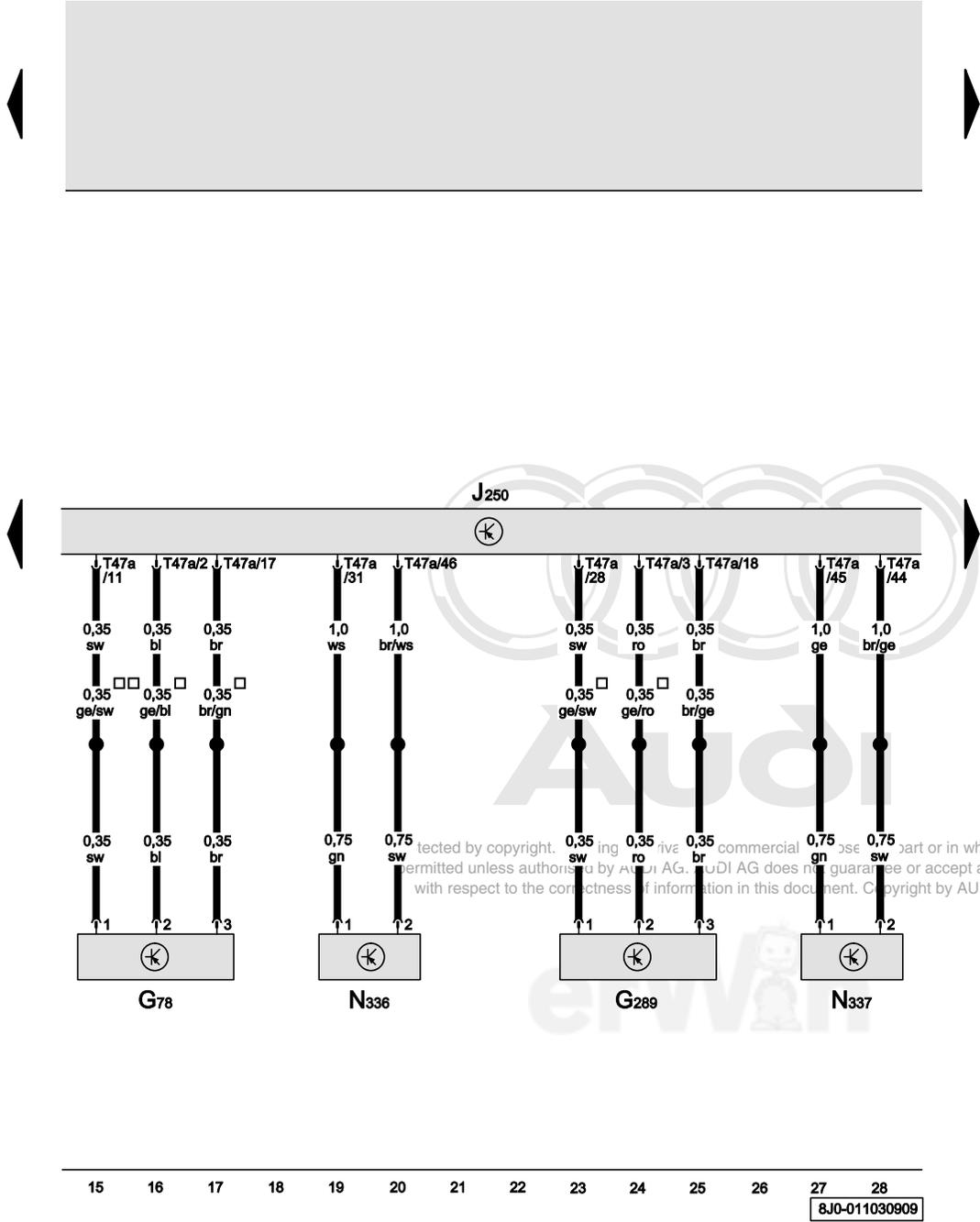


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-011020409

**Electronic Damping Control Module, Left and Right Front Level Control System Sensor, Left and Right Front Dampening Adjustment Valve**

- G78 Left Front Level Control System Sensor
- G289 Right Front Level Control Sensor
- J250 Electronic Damping Control Module
- N336 Left Front Dampening Adjustment Valve
- N337 Right Front Dampening Adjustment Valve
- T47a 47-Pin Connector, on electronic damping control module
- \* from June 2009

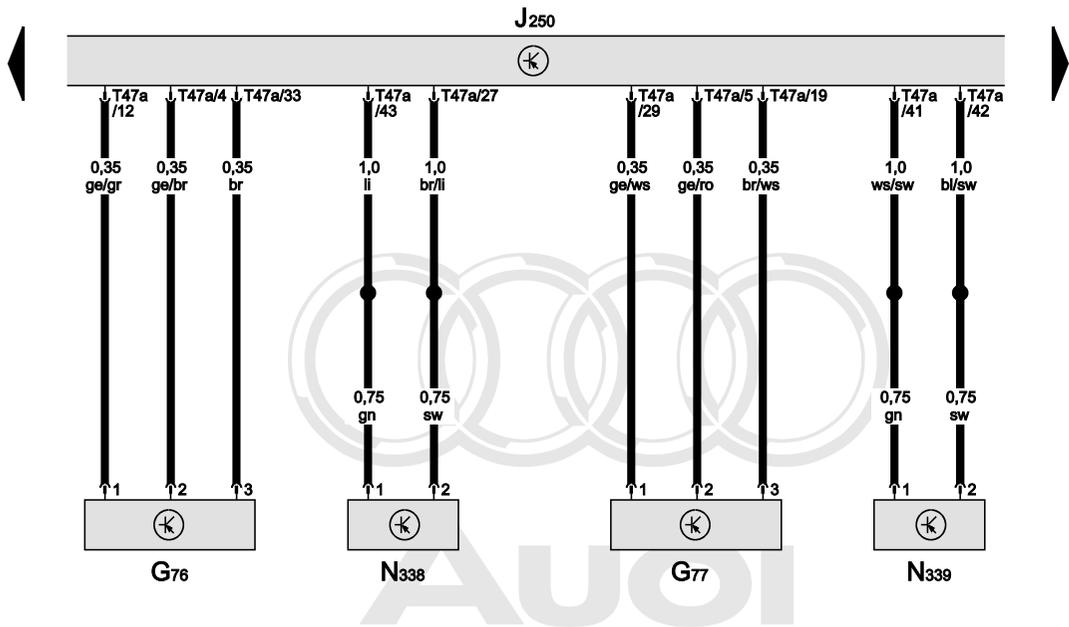
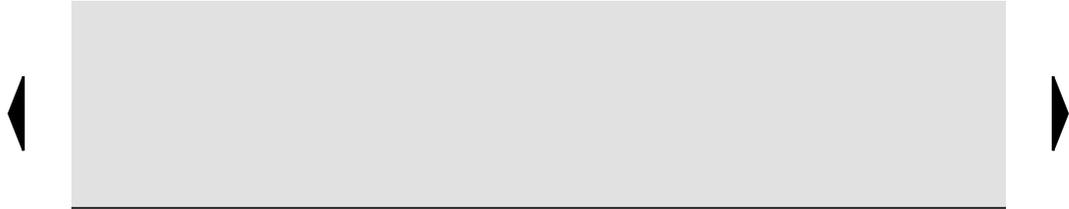


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-011030909

**Electronic Damping Control Module, Left and Right Rear Level Control System Sensor, Left and Right Rear Dampening Adjustment Valve**

- G76 Left Rear Level Control System Sensor
- G77 Right Rear Level Control System Sensor
- J250 Electronic Damping Control Module
- N338 Left Rear Dampening Adjustment Valve
- N339 Right Rear Dampening Adjustment Valve
- T47a 47-Pin Connector, on electronic damping control module



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-011040806

Electronic Damping Control Module, Dampening Adjustment Button, Dampening Adjustment Indicator Lamp

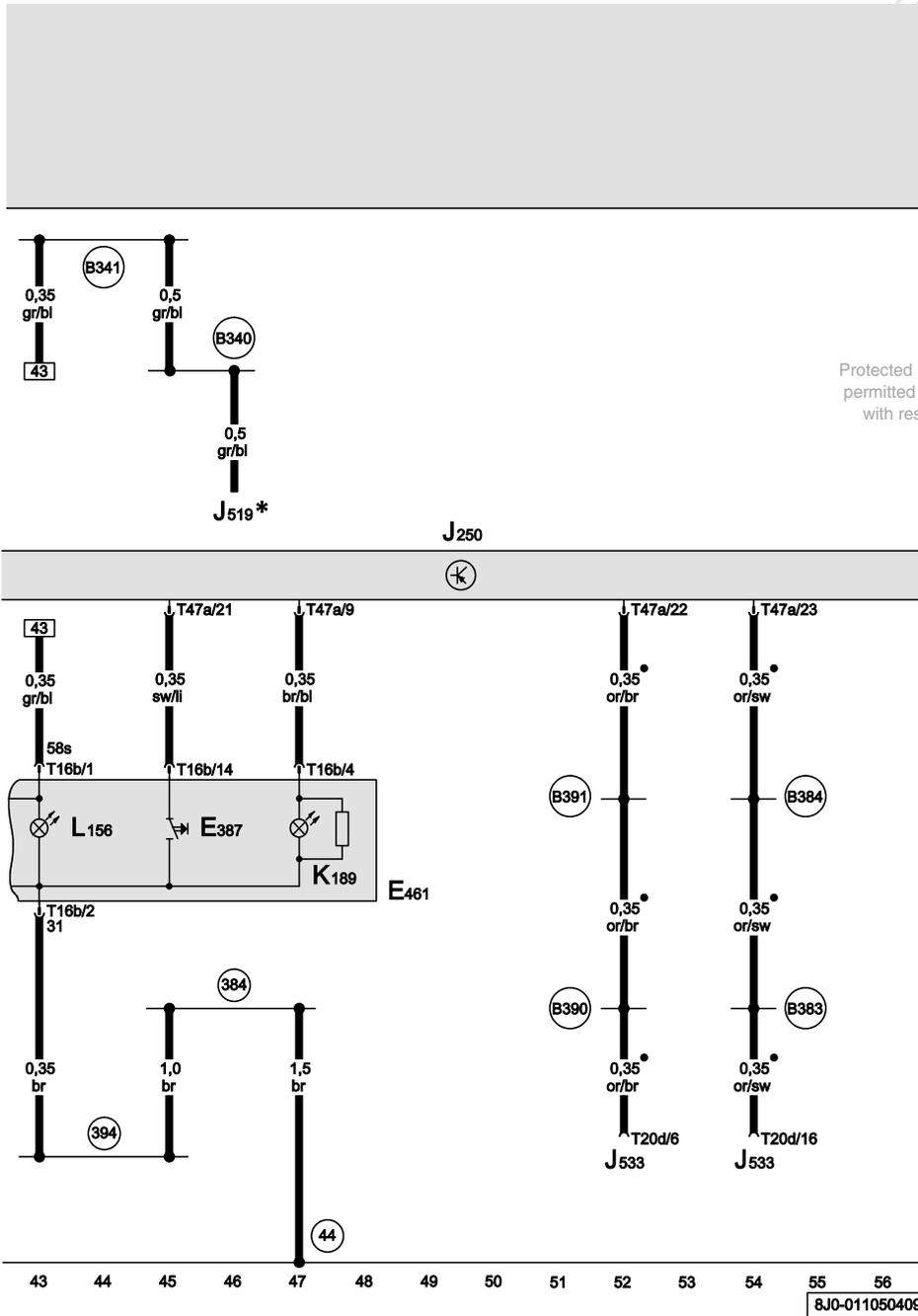
- E387 Dampening Adjustment Button
- E461 Front/Center Console Control Head
- J250 Electronic Damping Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- K189 Dampening Adjustment Indicator Lamp
- L156 Switch Illumination Lamp
- T16b 16-Pin Connector, brown, on center console switch module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T47a 47-Pin Connector, on electronic damping control module

Protected by copyright. Copying for private or commercial purposes in part or in whole is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- 394 Ground Connection 29 (in main wiring harness)
- B340 Connection 1 (58s) (in main wiring harness)
- B341 Connection 2 (58s) (in main wiring harness)
- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* ⇒ Wiring Diagram Standard Equipment

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



8J0-011050409

## Garage Door Opener

from model year 2007

### Note:

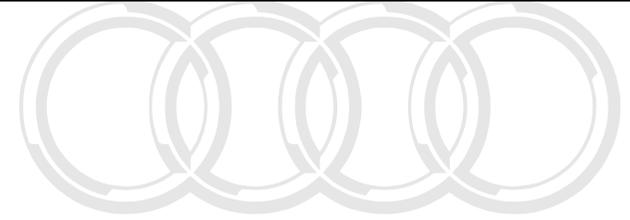
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

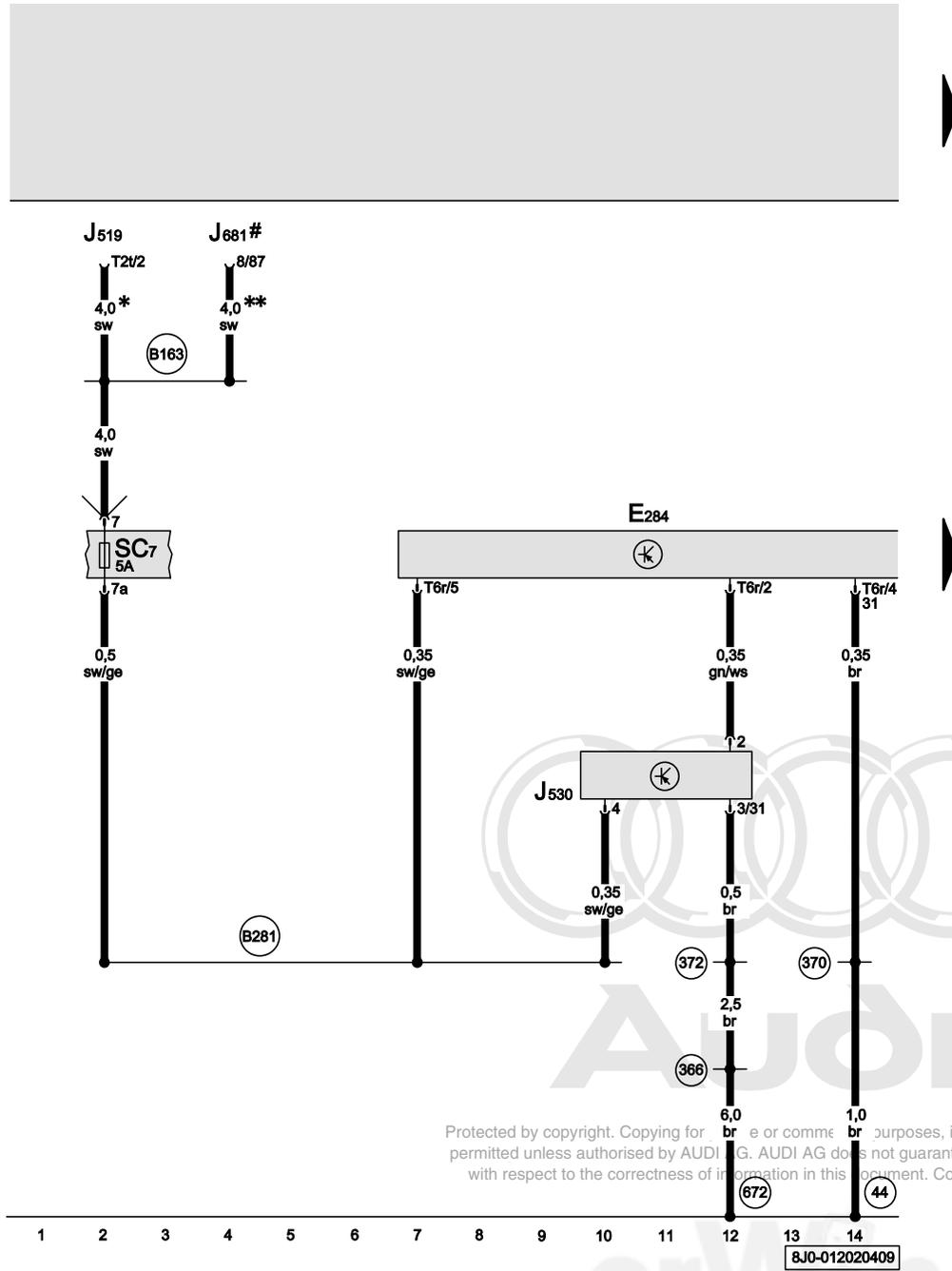
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Garage Door Opener Control Module, Garage Door Opener Control Head

- E284 Garage Door Opener Control Head
- J519 Vehicle Electrical System Control Module
- J530 Garage Door Opener Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SC7 Fuse 7 (on fuse panel C)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T6r 6-Pin Connector, black, on garage door opener control head

- 44 Ground Connection (on left lower A-pillar)
- 366 Ground Connection 1 (in main wiring harness)
- 370 Ground Connection 5 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- \* Through May 2009
- \*\* from June 2009
- # Relay Carrier on Vehicle Electrical System Control Module



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the acceptability with respect to the correctness of information in this document. Copyright by AUDI AG.

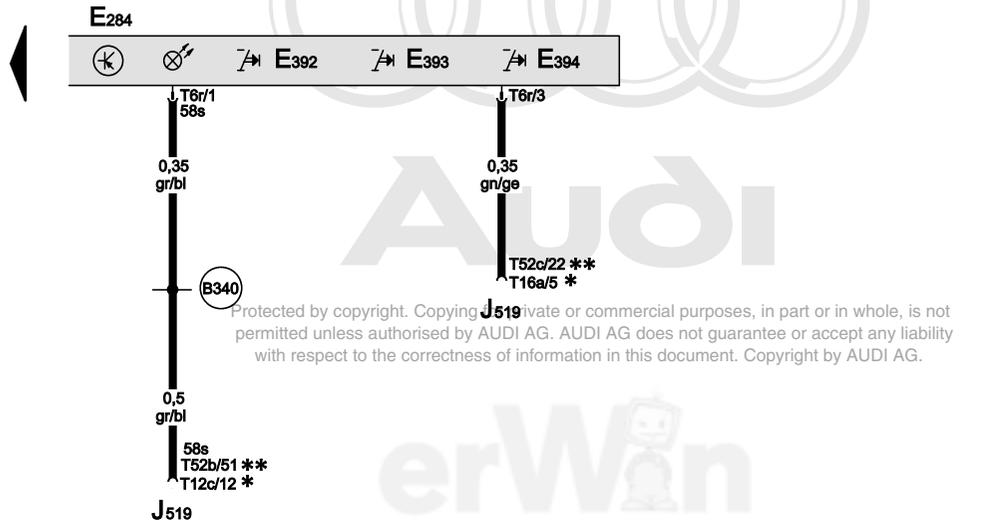
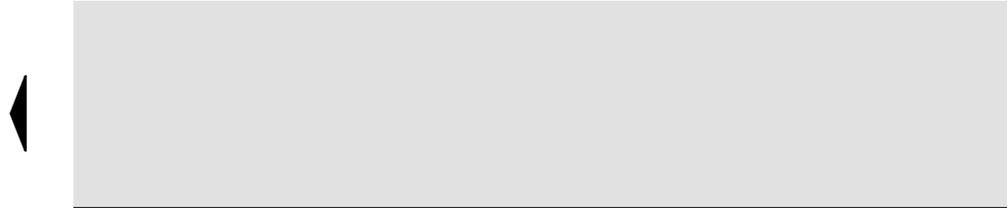
8J0-012020409

Garage Door Opener Control Head, Garage Door Opener Button

- E284 Garage Door Opener Control Head
- E392 Garage Door Opener Button 1
- E393 Garage Door Opener Button 2
- E394 Garage Door Opener Button 3
- J519 Vehicle Electrical System Control Module
- T6r 6-Pin Connector, black, on garage door opener control head
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

**B340** Connection 1 (58s) (in main wiring harness)

\* Through May 2009  
 \*\* from June 2009



Protected by copyright. Copying, private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Rear Parking Aid

from model year 2007

### Note:

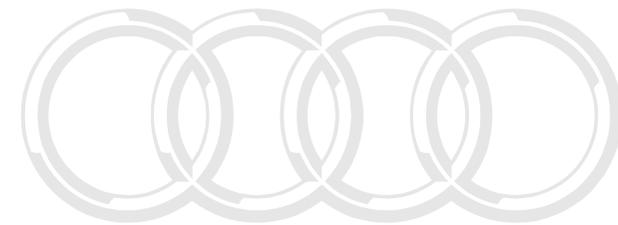
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

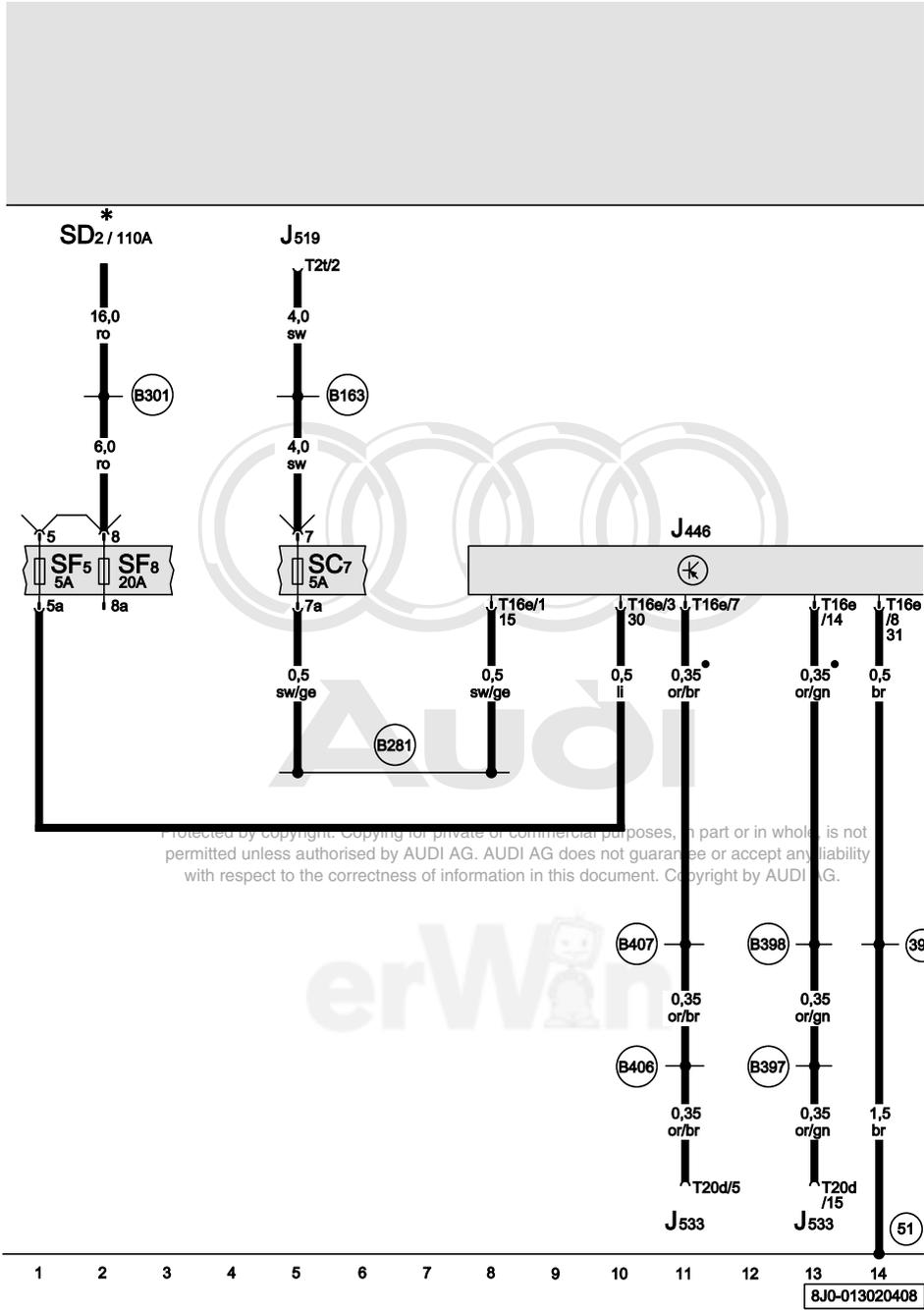
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Parking Aid Control Module, Fuses

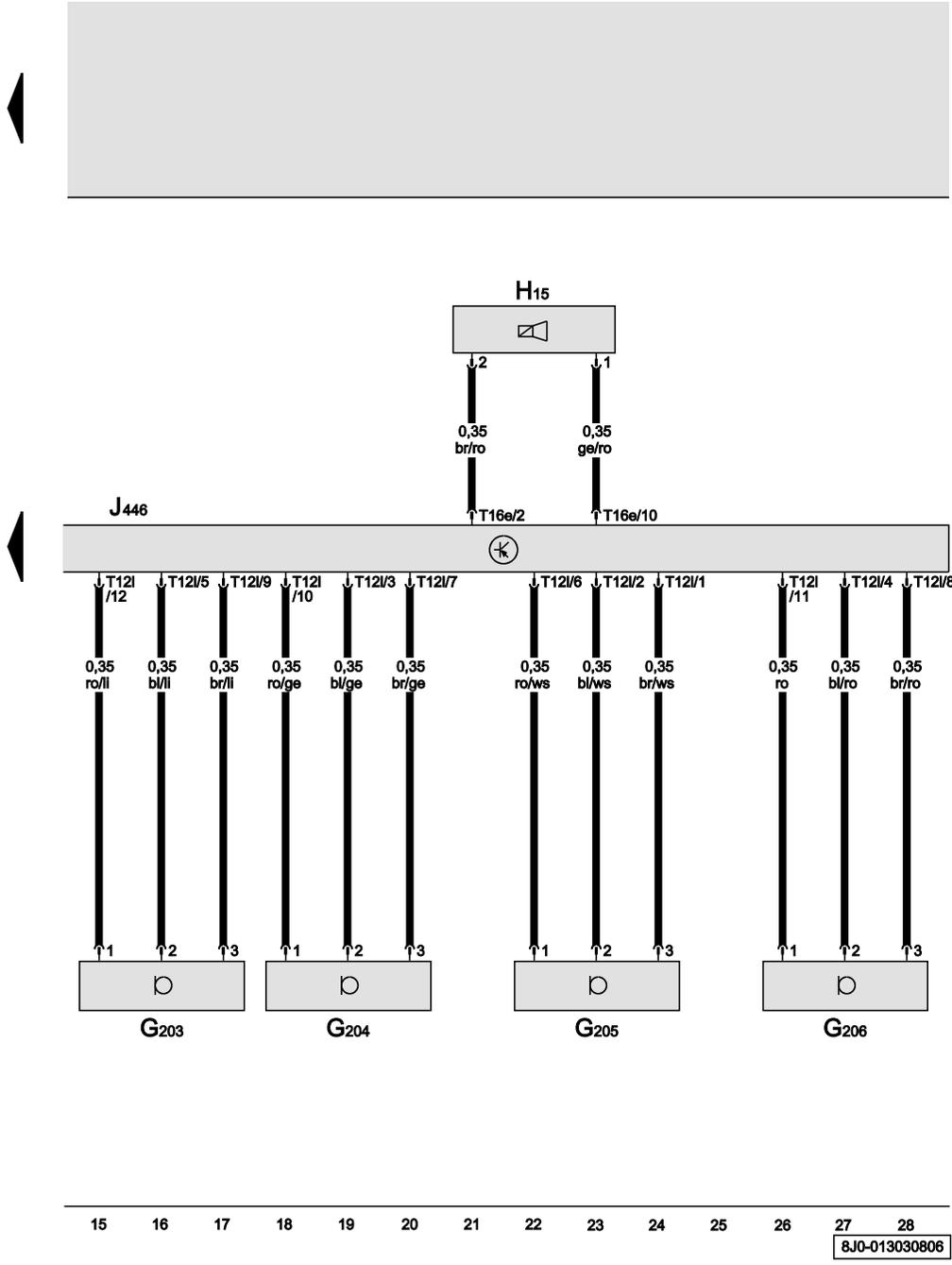
- J446 Parking Aid Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- SC7 Fuse 7 (on fuse panel C)
- SD2 Fuse 2 (on fuse panel D)
- SF5 Fuse 5 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 51 Ground Connection (in luggage compartment, right)
- 395 Ground Connection 30 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

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

**Parking Aid Control Module, Rear Parking Aid Sensor, Rear Parking Aid Warning Buzzer**

- G203 Left Rear Parking Aid Sensor
- G204 Left Rear Center Parking Aid Sensor
- G205 Right Rear Center Parking Aid Sensor
- G206 Right Rear Parking Aid Sensor
- H15 Rear Parking Aid Warning Buzzer
- J446 Parking Aid Control Module
- T12l 12-Pin Connector, black (Connector C), on parking aid control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



## Front Heated Seats

from model year 2007

### Note:

Information for

- ◆ Relay and fuse arrangements

- ◆ Connector arrangements

- ◆ Control Modules and Relays

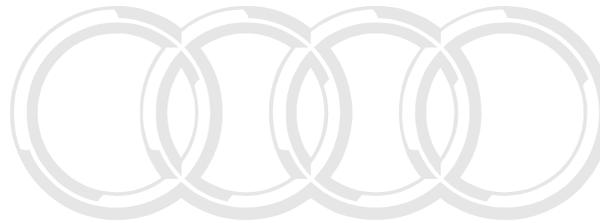
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052

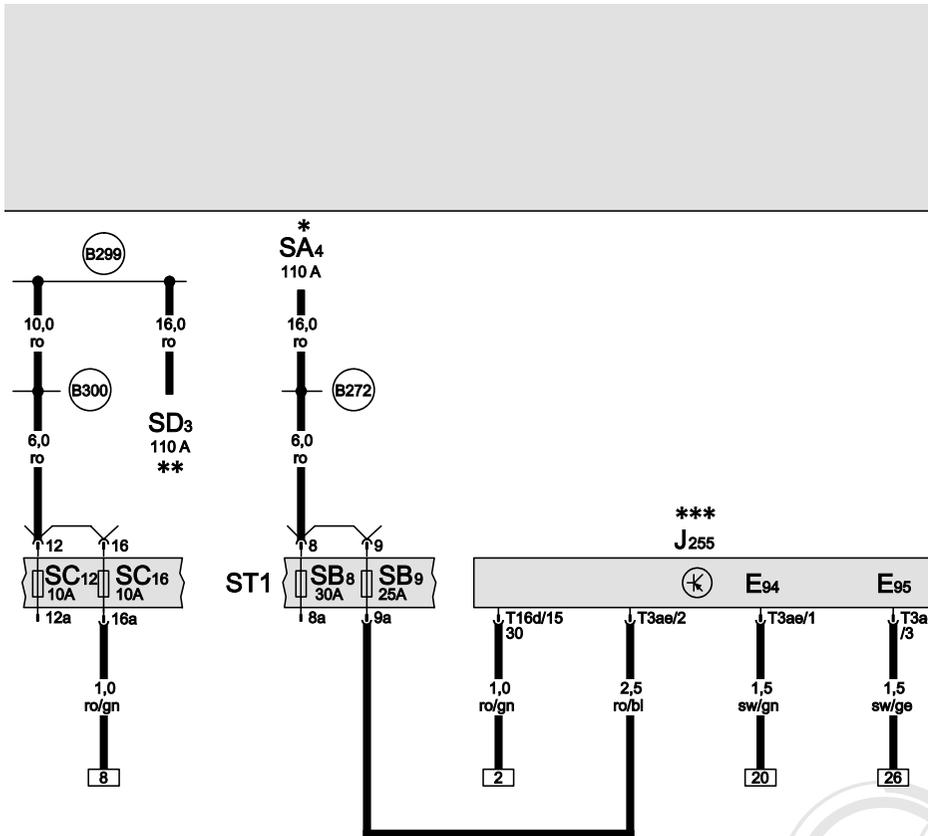


# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



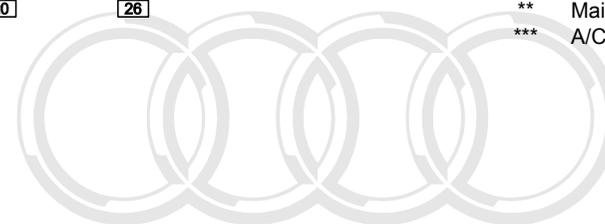
Climatronic Control Module, Driver's Heated Seat Adjuster, Front Passenger's Heated Seat Adjuster, Fuses



- E94 Driver's Heated Seat Adjuster
- E95 Front Passenger's Heated Seat Adjuster
- J255 Climatronic Control Module
- SA4 Fuse 4 (on fuse panel A)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SC12 Fuse 12 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T3ae 3-Pin Connector, black (Connector E), on Climatronic control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module

- 44 Ground Connection (on left lower A-pillar)
- 376 Ground Connection 11 (in main wiring harness)
- B272 Plus Connection (30) (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)

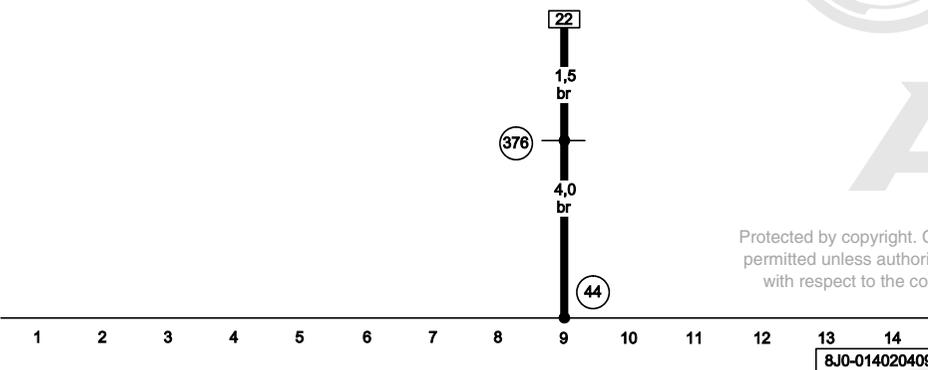
- \* Main fuse panel electronics box, front left engine compartment
- \*\* Main fuse panel, in right rear luggage compartment on battery
- \*\*\* A/C control head



Audi

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

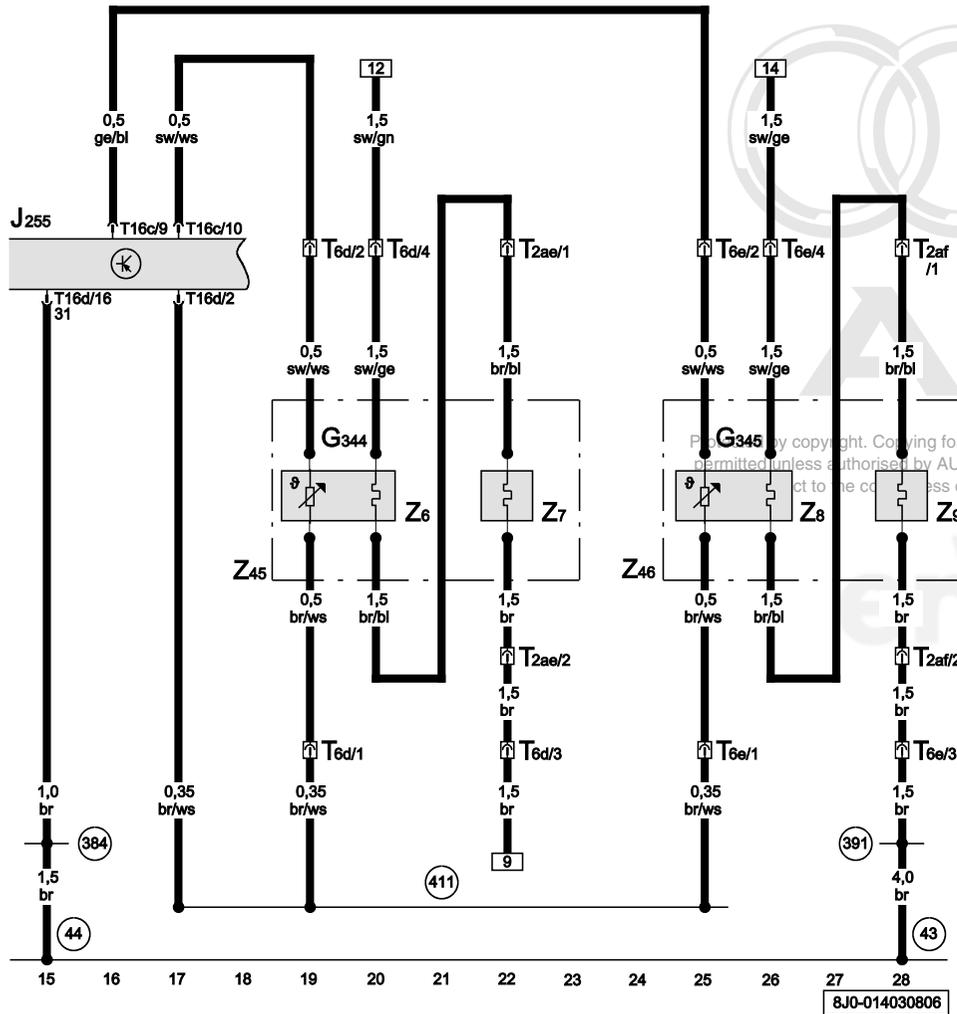
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Front Left Heated Seat, Front Right Heated Seat, Left Front Seat Temperature Sensor, Right Front Seat Temperature Sensor

- G344 Left Front Seat Temperature Sensor
- G345 Right Front Seat Temperature Sensor
- J255 Climatronic Control Module
- T2ae Double Connector, in driver seat
- T2af Double Connector, in front passenger's seat
- T6d 6-Pin Connector, green, below driver's seat
- T6e 6-Pin Connector, green, below front passenger's seat
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- Z6 Driver's Seat Heating Element
- Z7 Driver's Backrest Heating Element
- Z8 Front Passenger's Seat Heating Element
- Z9 Front Passenger's Backrest Heating Element
- Z45 Front Left Heated Seat
- Z46 Front Right Heated Seat

- 43 Ground Connection (on right lower A-pillar)
- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- 391 Ground Connection 26 (in main wiring harness)
- 411 Sensor Ground Connection 2 (in main wiring harness)



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

8J0-014030806

## Driver's Seat, Power Seats, Front Passenger's Seat, Power Seats

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

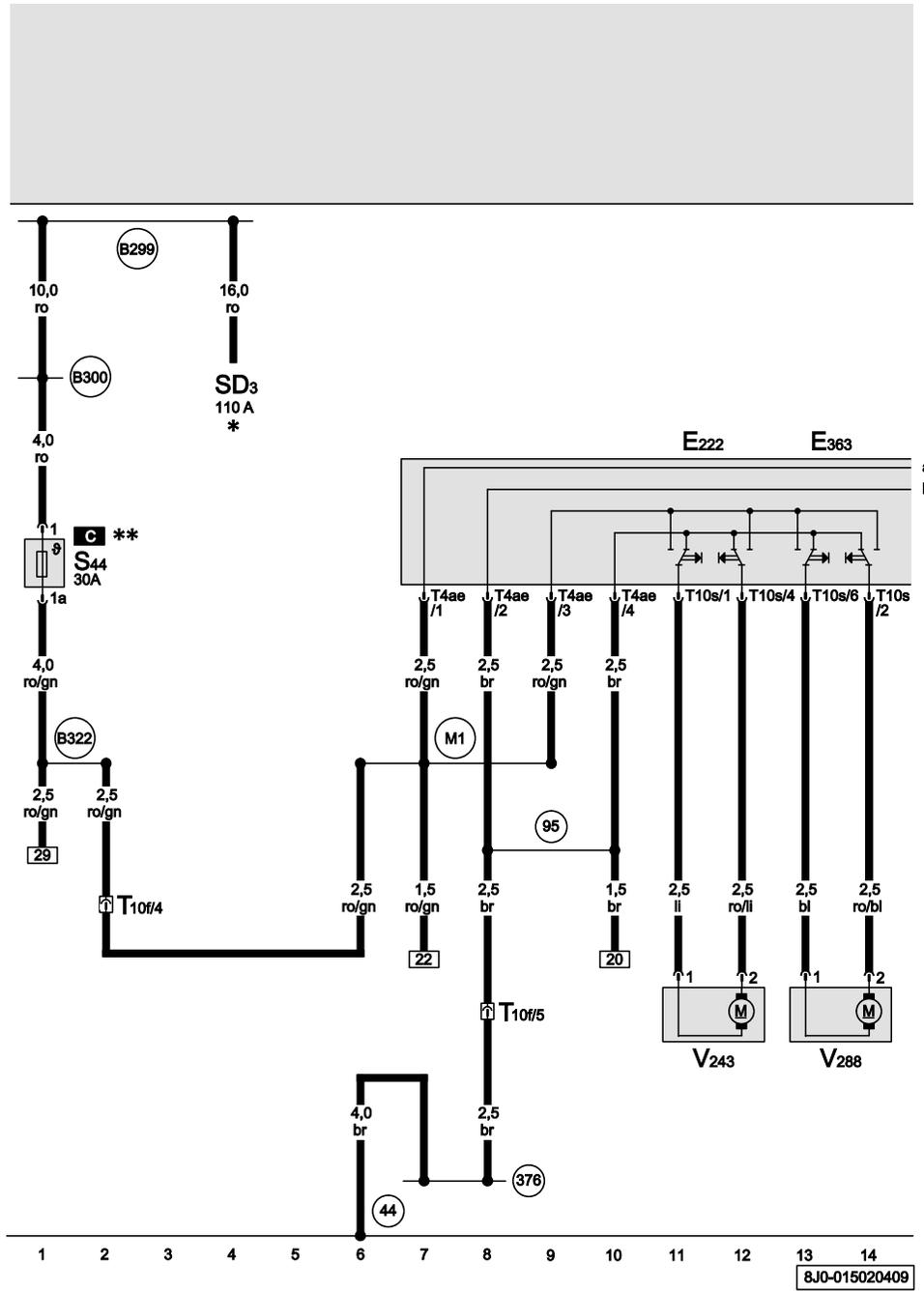
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Driver's Seat Tilt Adjustment Switch, Driver's Seat Fore/Aft Switch, Driver's Power Seat Adjustment Circuit Breaker 1, Driver's Seat Inclination Adjustment Motor, Seat Fore/Aft Adjustment Motor**

- E222 Driver's Seat Tilt Adjustment Switch
- E363 Driver's Seat Fore/Aft Switch
- S44 Driver's Power Seat Adjustment Circuit Breaker 1
- SD3 Fuse 3 (on fuse panel D)
- T4ae 4-Pin Connector, on seat adjustment switch
- T10f 10-Pin Connector, red, below driver's seat
- T10s 10-Pin Connector, on seat adjustment switch
- V243 Driver's Seat Inclination Adjustment Motor
- V288 Seat Fore/Aft Adjustment Motor

- 44 Ground Connection (on left lower A-pillar)
- 95 Ground Connection 1 (in power seat wiring harness)
- 376 Ground Connection 11 (in main wiring harness)
- 376 Ground Connection 11 (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B322 Plus Connection 8 (30a) (in main wiring harness)
- M1 Plus Connection 1 (30) (in power seats wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay panel under instrument panel, left



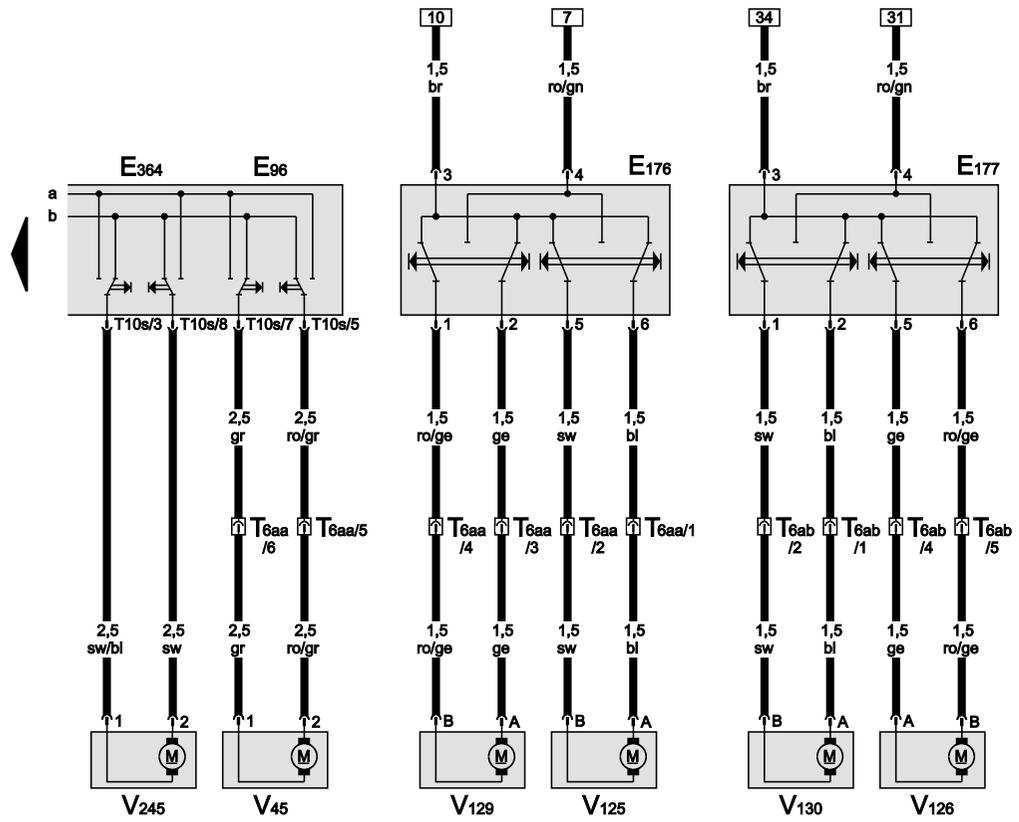
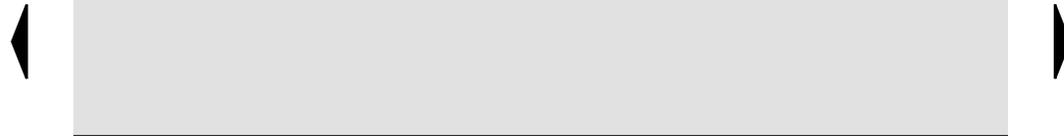
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the prior written authorisation of AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

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

8J0-015020409

**Driver's Backrest Adjustment Switch, Driver's Seat Height Adjustment Switch, Lumbar Support Adjustment Switch, Lumbar Support Fore/Aft Adjustment Motor, Lumbar Support Support Height Adjustment Motor**

- E96 Driver's Backrest Adjustment Switch
- E176 Driver's Seat Lumbar Support Adjustment Switch
- E177 Front Passenger's Seat Lumbar Support Adjustment Switch
- E364 Driver's Seat Height Adjustment Switch
- T6aa 6-Pin Connector, in driver seat
- T6ab 6-Pin Connector, in front passenger's seat
- T10s 10-Pin Connector, on seat adjustment switch
- V45 Driver's Backrest Adjustment Motor
- V125 Driver's Seat Lumbar Support Curvature Adjustment Motor
- V126 Front Passenger's Seat Lumbar Support Curvature Adjustment Motor
- V129 Driver's Seat Lumbar Support Height Adjustment Motor
- V130 Front Passenger Seat Lumbar Support Height Adjustment Motor
- V245 Driver's Seat Height Adjustment Motor

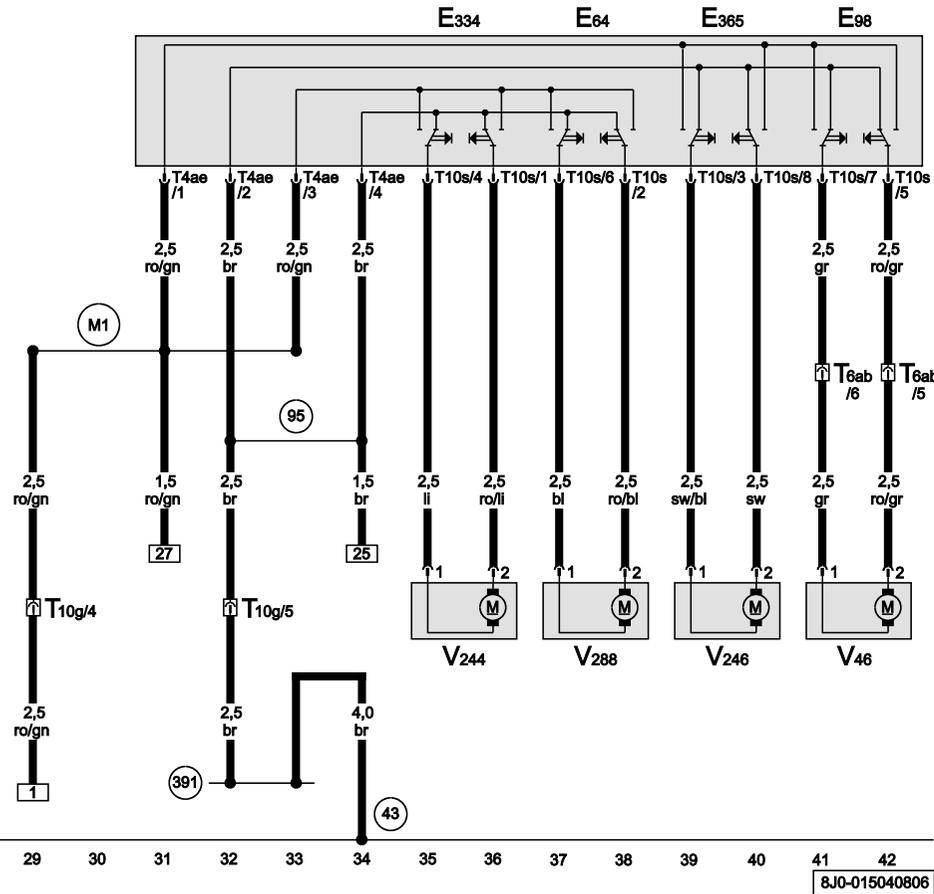


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Front Passenger's Seat Adjustment Switch, Front Passenger's Seat Adjustment Motor

- E64 Front Passenger's Seat Fore/Aft Adjustment Switch
- E98 Passenger Backrest Adjustment Switch
- E334 Front Passenger's Seat Tilt Adjustment Button
- E365 Front Passenger's Seat Height Adjustment Switch
- T4ae 4-Pin Connector, on seat adjustment switch
- T6ab 6-Pin Connector, in front passenger's seat
- T10g 10-Pin Connector, red, below front passenger's seat
- T10s 10-Pin Connector, on seat adjustment switch
- V46 Front Passenger's Backrest Adjustment Motor
- V244 Front Passenger's Seat Inclination Adjustment Motor
- V246 Front Passenger's Seat Height Adjustment Motor
- V288 Seat Fore/Aft Adjustment Motor

- 43 Ground Connection (on right lower A-pillar)
- 95 Ground Connection 1 (in power seat wiring harness)
- 391 Ground Connection 26 (in main wiring harness)
- M1 Plus Connection 1 (30) (in power seats wiring harness)



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

8J0-015040806

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Driver's Seat, Power Seats (with folding backrest), Front Passenger's Seat, Power Seats (with folding backrest)

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052

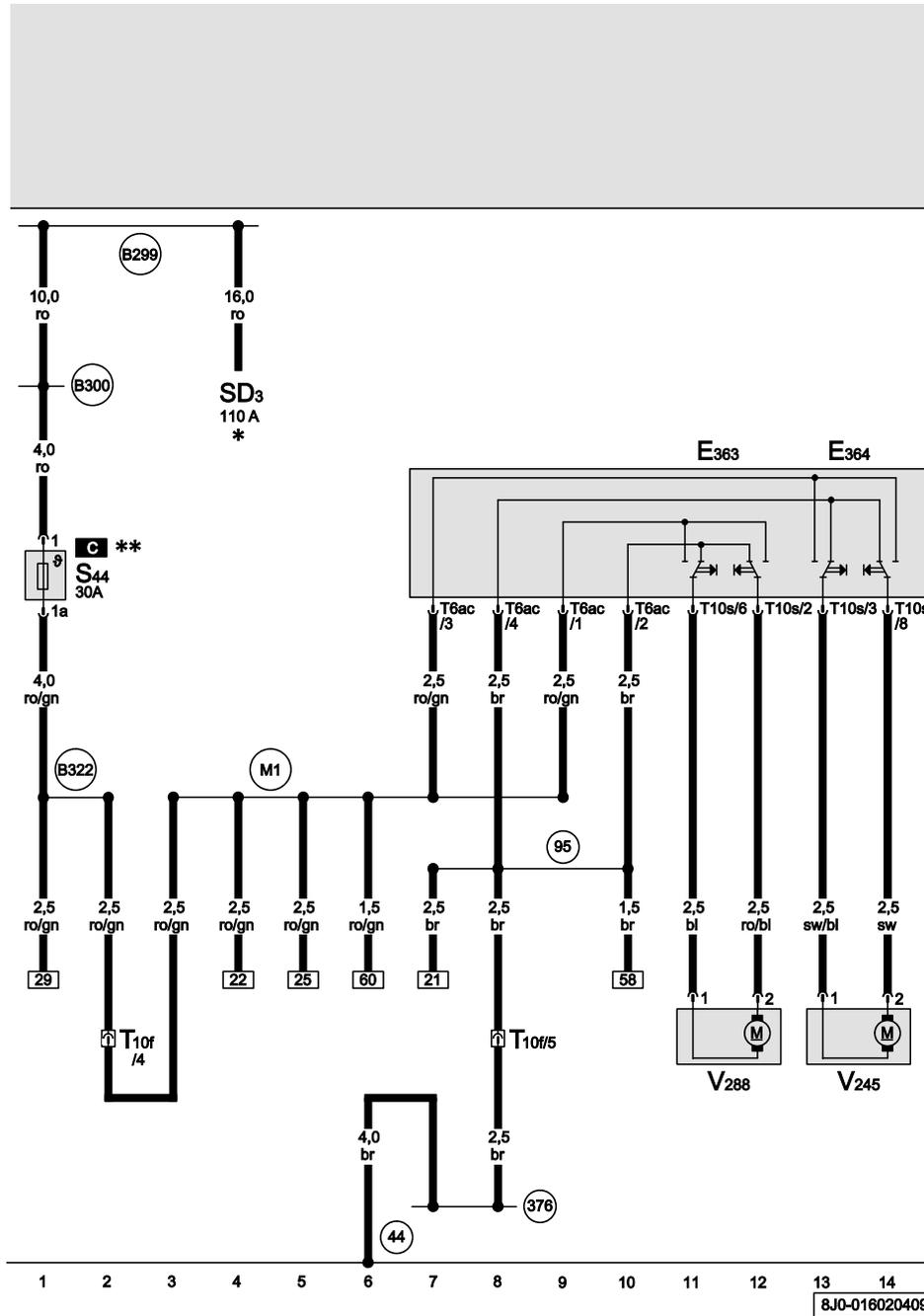


# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Driver's Seat Adjustment Switch, Driver's Power Seat Adjustment Circuit Breaker 1, Driver's Seat Height Adjustment Motor, Seat Fore/Aft Adjustment Motor**



- E363 Driver's Seat Fore/Aft Switch
- E364 Driver's Seat Height Adjustment Switch
- S44 Driver's Power Seat Adjustment Circuit Breaker 1
- SD3 Fuse 3 (on fuse panel D)
- T6ac 6-Pin Connector, on seat adjustment switch
- T10f 10-Pin Connector, red, below driver's seat
- T10s 10-Pin Connector, on seat adjustment switch
- V245 Driver's Seat Height Adjustment Motor
- V288 Seat Fore/Aft Adjustment Motor
- 44 Ground Connection (on left lower A-pillar)
- 95 Ground Connection 1 (in power seat wiring harness)
- 376 Ground Connection 11 (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B322 Plus Connection 8 (30a) (in main wiring harness)
- M1 Plus Connection 1 (30) (in power seats wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay panel under instrument panel, left

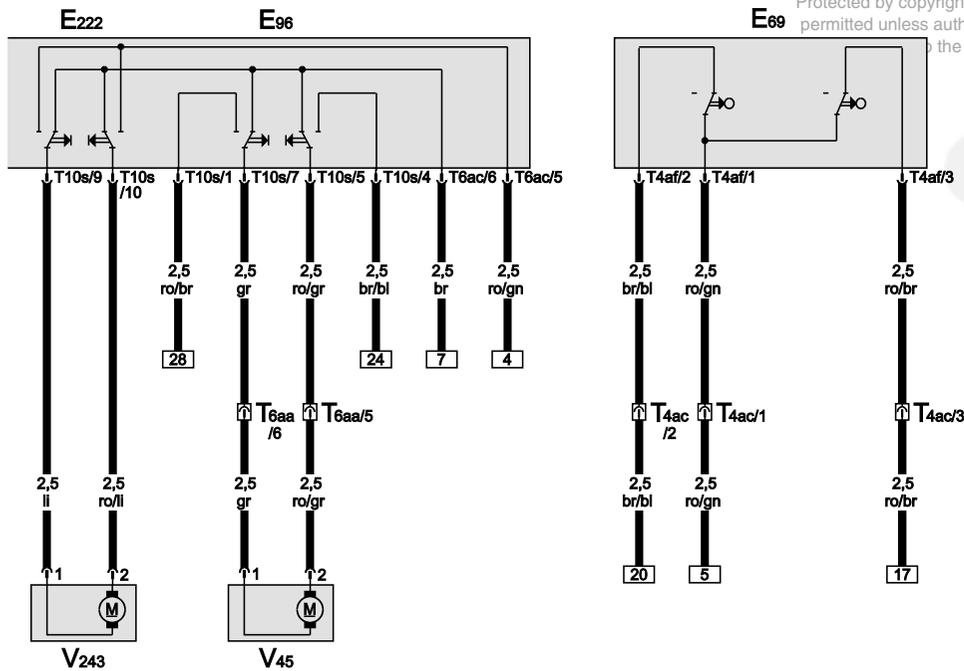
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-016020409

Driver's Backrest Stop Switch, Driver's Seat Adjustment Switch, Driver's Seat Adjustment Motor

- E69 Driver Backrest Stop Switch
- E96 Driver's Backrest Adjustment Switch
- E222 Driver's Seat Tilt Adjustment Switch
- T4ac 4-Pin Connector, in driver's seat
- T4af 4-Pin Connector, on driver's backrest stop switch
- T6aa 6-Pin Connector, in driver seat
- T6ac 6-Pin Connector, on seat adjustment switch
- T10s 10-Pin Connector, on seat adjustment switch
- V45 Driver's Backrest Adjustment Motor
- V243 Driver's Seat Inclination Adjustment Motor



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

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

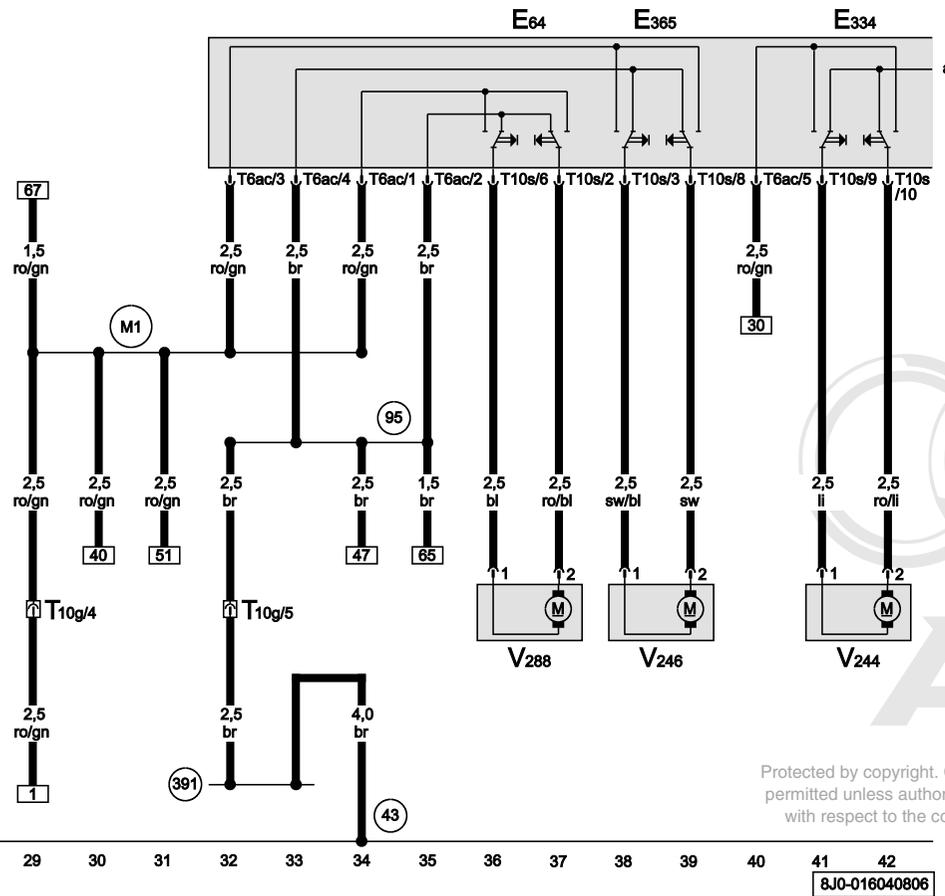
15 16 17 18 19 20 21 22 23 24 25 26 27 28

8J0-016030806

Front Passenger's Seat Adjustment Switch, Front Passenger's Seat Adjustment Motor

- E64 Front Passenger's Seat Fore/Aft Adjustment Switch
- E334 Front Passenger's Seat Tilt Adjustment Button
- E365 Front Passenger's Seat Height Adjustment Switch
- T6ac 6-Pin Connector, on seat adjustment switch
- T10g 10-Pin Connector, red, below front passenger's seat
- T10s 10-Pin Connector, on seat adjustment switch
- V244 Front Passenger's Seat Inclination Adjustment Motor
- V246 Front Passenger's Seat Height Adjustment Motor
- V288 Seat Fore/Aft Adjustment Motor

- 43 Ground Connection (on right lower A-pillar)
- 95 Ground Connection 1 (in power seat wiring harness)
- 391 Ground Connection 26 (in main wiring harness)
- M1 Plus Connection 1 (30) (in power seats wiring harness)



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

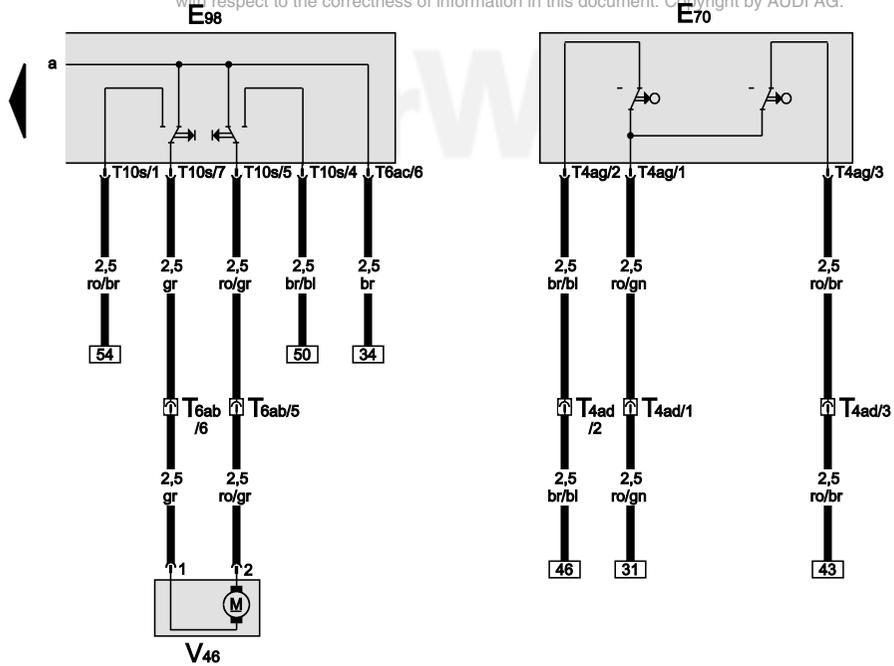
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-016040806

Front Passenger's Backrest Stop Switch, Passenger Backrest Adjustment Switch, Front Passenger's Backrest Adjustment Motor

- E70 Front Passenger's Backrest Stop Switch
- E98 Passenger Backrest Adjustment Switch
- T4ad 4-Pin Connector, in front passenger's seat
- T4ag 4-Pin Connector, on front passenger's backrest stop switch
- T6ab 6-Pin Connector, in front passenger's seat
- T6ac 6-Pin Connector, on seat adjustment switch
- T10s 10-Pin Connector, on seat adjustment switch
- V46 Front Passenger's Backrest Adjustment Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



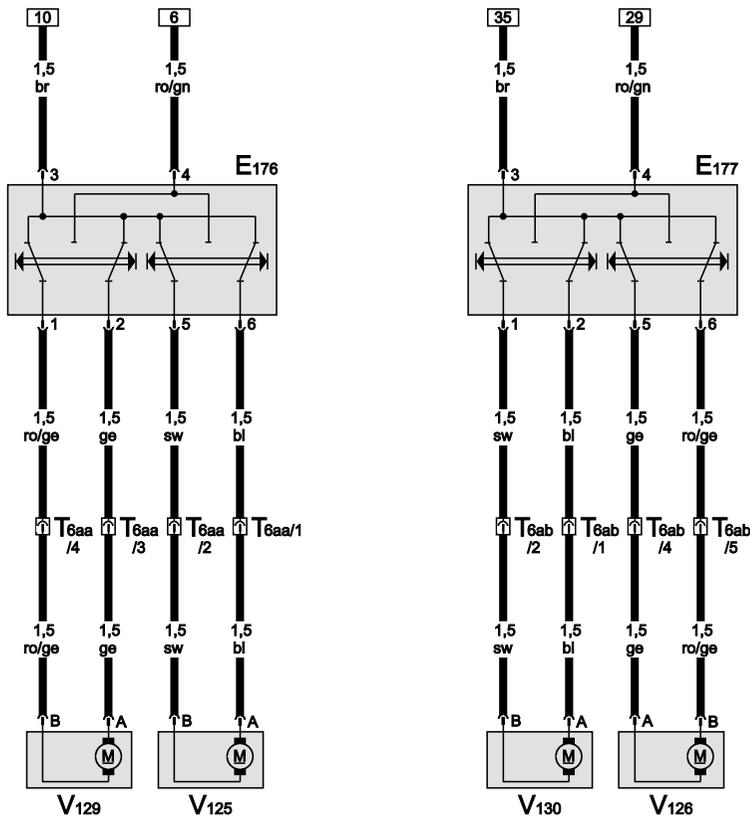
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

8J0-016050806

**Driver's Seat Lumbar Support Adjustment Switch, Front Passenger's Seat Lumbar Support Adjustment Switch, Driver's Seat Lumbar Support Adjustment Motors, Front Passenger's Seat Lumbar Support Adjustment Motors**

- E176 Driver's Seat Lumbar Support Adjustment Switch
- E177 Front Passenger's Seat Lumbar Support Adjustment Switch
- T6aa 6-Pin Connector, in driver seat
- T6ab 6-Pin Connector, in front passenger's seat
- V125 Driver's Seat Lumbar Support Curvature Adjustment Motor
- V126 Front Passenger's Seat Lumbar Support Curvature Adjustment Motor
- V129 Driver's Seat Lumbar Support Height Adjustment Motor
- V130 Front Passenger Seat Lumbar Support Height Adjustment Motor



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Driver's and Front Passenger's Electric Seat Lumbar Support Adjustment

from model year 2007

### Note:

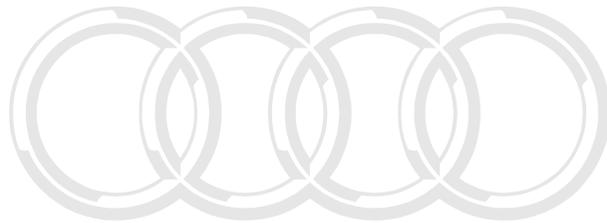
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

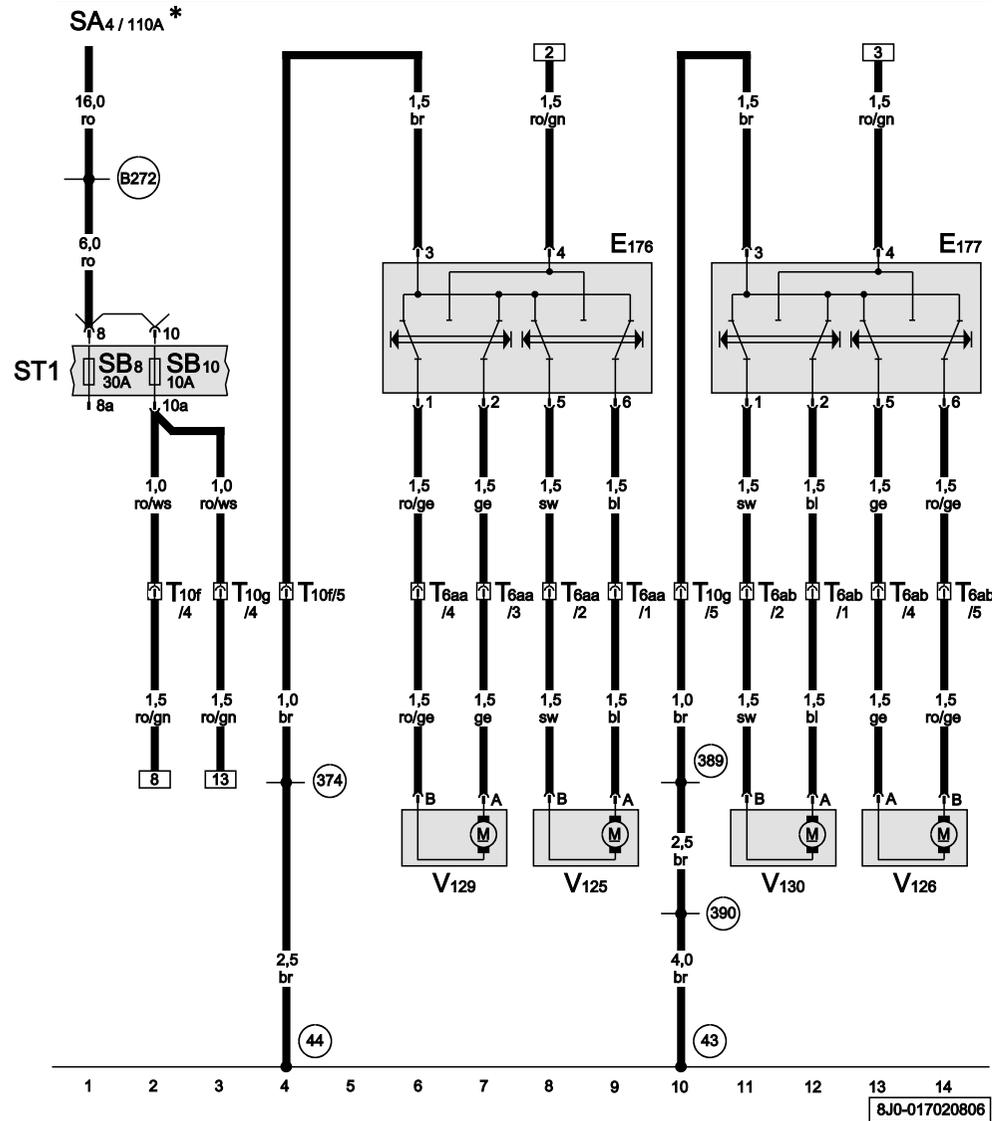


Lumbar Support Adjustment Switch, Lumbar Support Adjustment Motors, Fuses

- E176 Driver's Seat Lumbar Support Adjustment Switch
- E177 Front Passenger's Seat Lumbar Support Adjustment Switch
- SA4 Fuse 4 (on fuse panel A)
- SB8 Fuse 8 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- T6aa 6-Pin Connector, in driver seat
- T6ab 6-Pin Connector, in front passenger's seat
- T10f 10-Pin Connector, red, below driver's seat
- T10g 10-Pin Connector, red, below front passenger's seat
- V125 Driver's Seat Lumbar Support Curvature Adjustment Motor
- V126 Front Passenger's Seat Lumbar Support Curvature Adjustment Motor
- V129 Driver's Seat Lumbar Support Height Adjustment Motor
- V130 Front Passenger Seat Lumbar Support Height Adjustment Motor

- 43 Ground Connection (on right lower A-pillar)
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- B272 Plus Connection (30) (in main wiring harness)

\* Main fuse panel electronics box, in front left engine compartment



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



8J0-017020806

## CAN-Bus Wiring

from model year 2007

### Note:

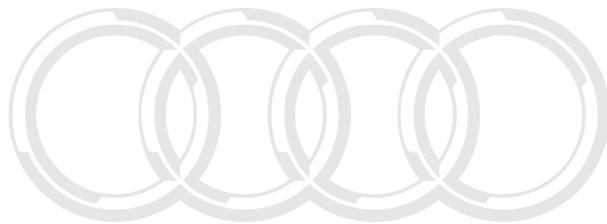
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

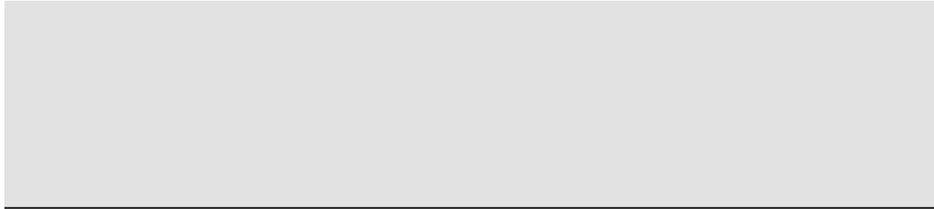
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

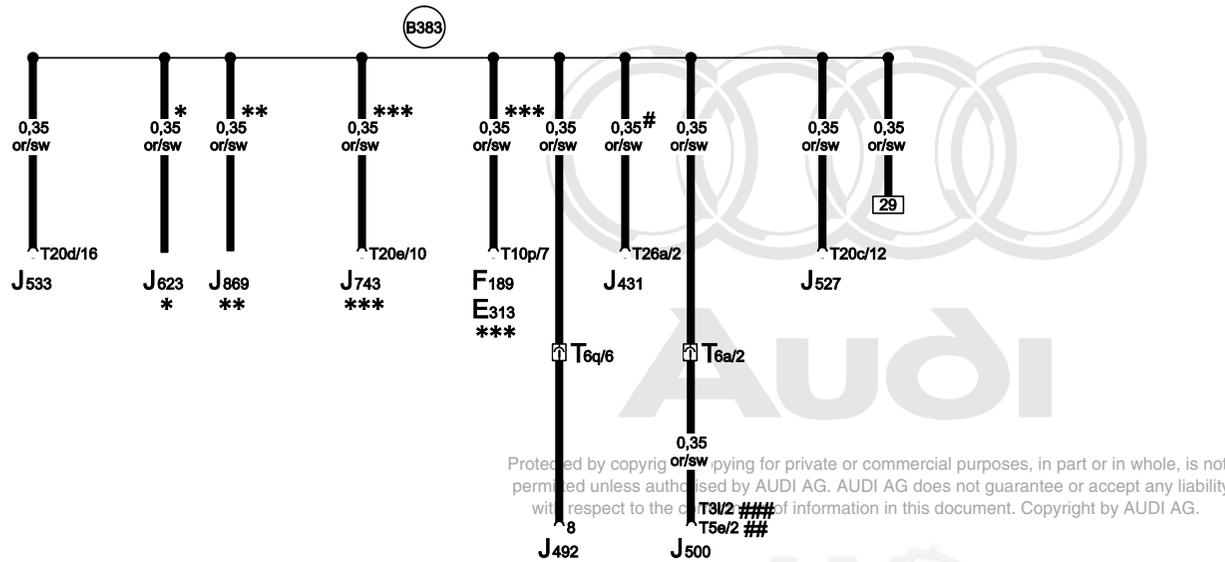
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Powertrain CAN-Bus High 1

- E313 Selector Lever
- F189 Tiptronic Switch
- J431 Headlamp Range Control Module
- J492 All-Wheel Drive Control Module
- J500 Power Steering Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- J869 Structure-Borne Sound Control Module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T5e 5-Pin Connector, grey (Connector C), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T10p 10-Pin Connector, on Tiptronic switch
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T26a 26-Pin Connector, black, on headlamp range control module
- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- \* => Wiring Diagram engine
- \*\* 2.0L diesel engine
- \*\*\* Models with direct shift gearbox
- # Models with automatic headlamp range control and cornering lamp
- ## Through May 2008
- ### from June 2008

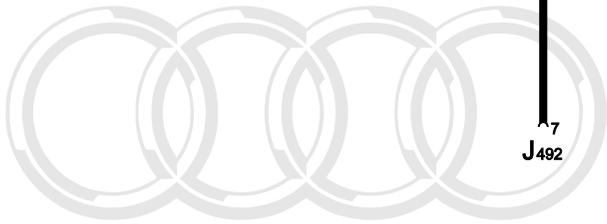
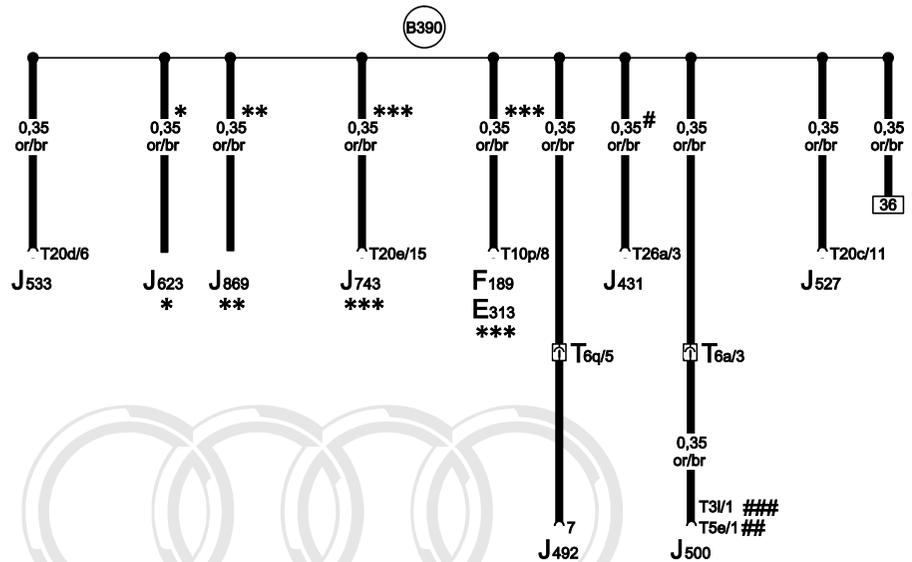


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Powertrain CAN-Bus Low 1

- E313 Selector Lever
- F189 Tiptronic Switch
- J431 Headlamp Range Control Module
- J492 All-Wheel Drive Control Module
- J500 Power Steering Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- J869 Structure-Borne Sound Control Module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T5e 5-Pin Connector, grey (Connector C), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T10p 10-Pin Connector, on Tiptronic switch
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T26a 26-Pin Connector, black, on headlamp range control module
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- \* => Wiring Diagram engine
- \*\* 2.0L diesel engine
- \*\*\* Models with direct shift gearbox
- # Models with automatic headlamp range control and cornering lamp
- ## Through May 2008
- ### from June 2008



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

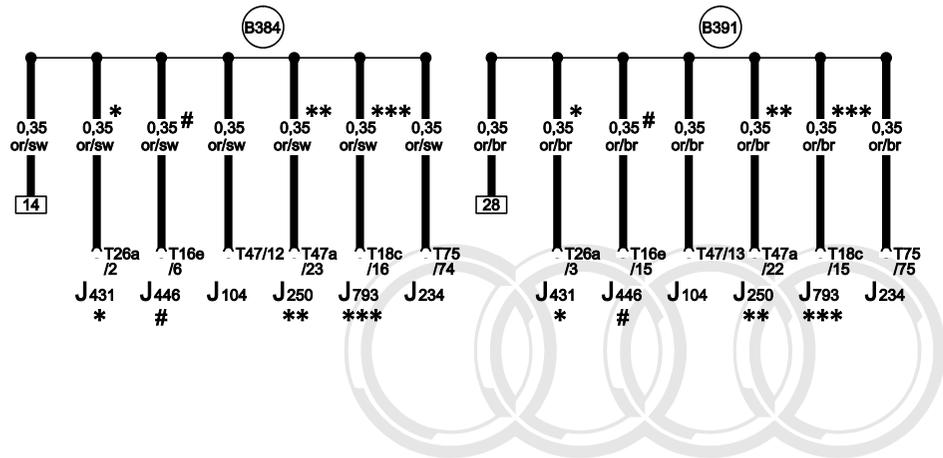
Powertrain CAN-Bus High 2, Powertrain CAN-Bus Low 2

- J104 ABS Control Module
- J234 Airbag Control Module
- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J446 Parking Aid Control Module
- J793 Tire Pressure Monitoring Control Module 2
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T18c 18-Pin Connector, black, on tire pressure monitoring control module 2
- T26a 26-Pin Connector, black, on headlamp range control module
- T47 47-Pin Connector, on ABS control module
- T47a 47-Pin Connector, on electronic damping control module
- T75 75-Pin Connector, yellow, on airbag control module

**B384** Powertrain CAN-Bus High Connection 2 (in main wiring harness)

**B391** Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- \* Models with manual and automatic headlamp range control without cornering lamp
- \*\* Models with electronic damping
- \*\*\* Models with tire pressure monitoring
- # from June 2008



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

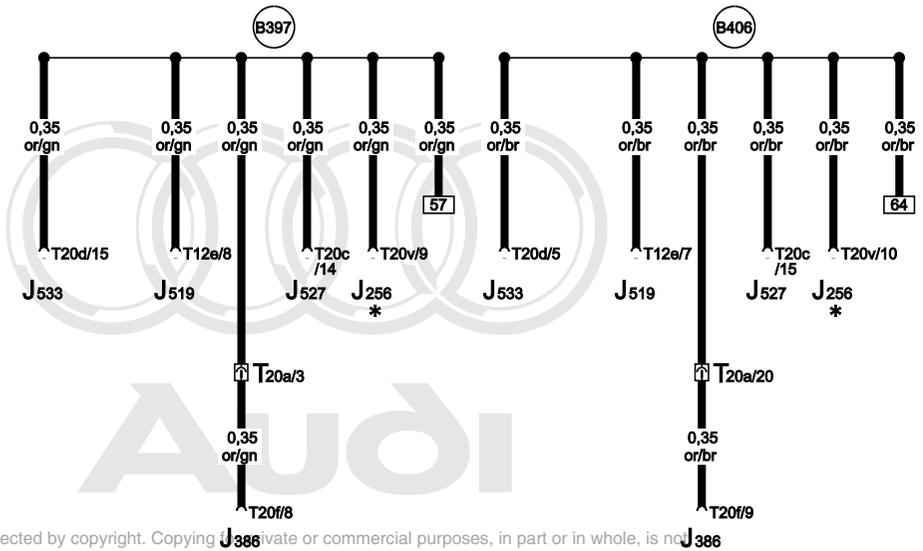
Comfort System CAN-Bus High 1, Comfort System CAN-Bus Low 1

- J256 Convertible Top Control Module
- J386 Driver's Door Control Module
- J519 Vehicle Electrical System Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T20a 20-Pin Connector, black, on front left door
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20f 20-Pin Connector, black (Connector A), on driver's door control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module

(B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)

(B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)

\* Roadster with power convertible top



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

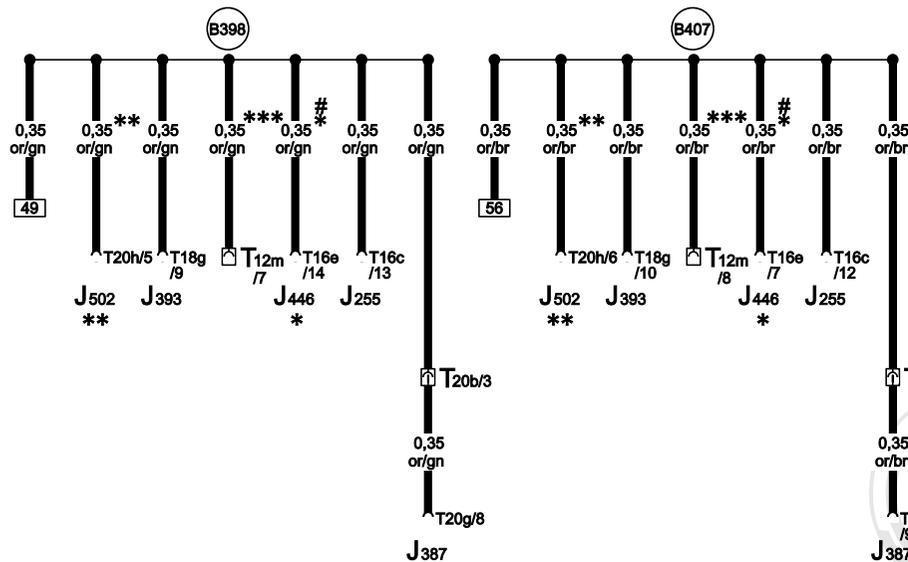
Comfort System CAN-Bus High 2, Comfort System CAN-Bus Low 2

- J255 Climatronic Control Module
- J387 Front Passenger's Door Control Module
- J393 Comfort System Central Control Module
- J446 Parking Aid Control Module
- J502 Tire Pressure Monitoring Control Module
- T12m 12-Pin Connector, brown, in rear right luggage compartment
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- T20b 20-Pin Connector, black, on front right door
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- T20h 20-Pin Connector, red, on tire pressure monitoring control module 2

**B398** Comfort System CAN-Bus High Connection 2 (in main wiring harness)

**B407** Comfort System CAN-Bus Low Connection 2 (in main wiring harness)

- \* Models with parking aid
- \*\* Only USA
- \*\*\* Models with special functions interface
- # Not applicable from June 2009



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

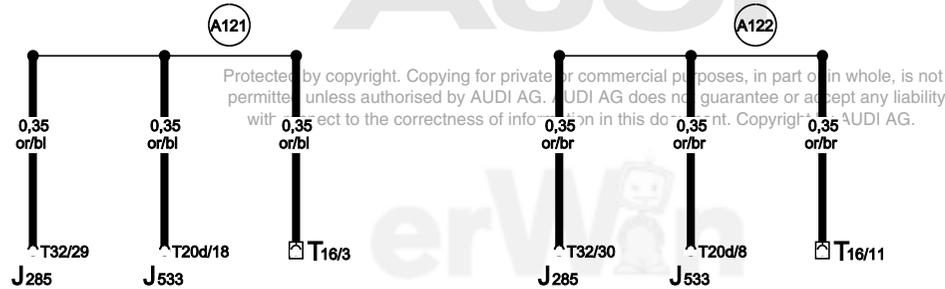
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.

CAN-Bus High, CAN-Bus Low

- J285 Instrument Cluster Control Module
- J533 Data Bus On Board Diagnostic Interface
- T16 16-Pin Connector, Diagnostic Connector
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module

(A121) High-Bus Connection (in instrument panel wiring harness)

(A122) Low-Bus Connection (in instrument panel wiring harness)



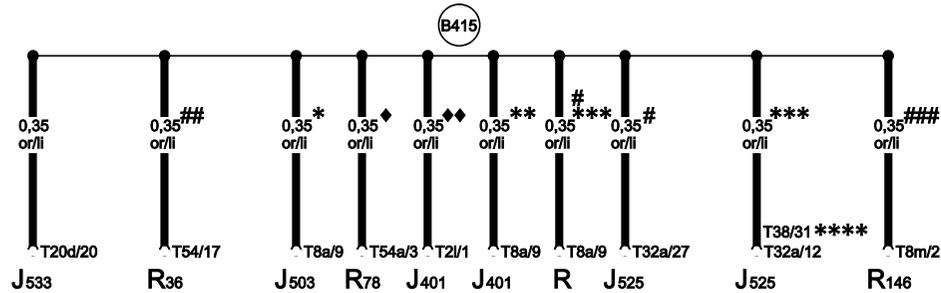
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

71 72 73 74 75 76 77 78 79 80 81 82 83 84

8J0-018070806

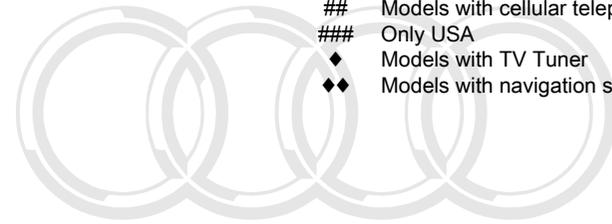
Infotainment CAN-Bus High 1

- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- J533 Data Bus On Board Diagnostic Interface
- R Radio
- R36 Telephone Transceiver
- R78 TV Tuner
- R146 Satellite Radio
- T2I Double Connector, black (Connector CAN), on navigation system control module with CD drive
- T8a 8-Pin Connector, black, radio connector D
- T8m 8-Pin Connector, on satellite radio
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- T54a 54-Pin Connector, on TV Tuner



(B415) Infotainment CAN-Bus High Connection 1 (in main wiring harness)

- \* Navigation System RNS-Low (7Q9)
- \*\* Navigation System RNS-E (7Q2)
- \*\*\* Radio with Standard Soundsystem (9VD) from February 2009
- \*\*\*\* Radio with soundsystem BOSE (8RY)
- # Models with cellular telephone preparation (9ZF)
- ### Only USA
- ♦ Models with TV Tuner
- ♦♦ Models with navigation system (7Q4)



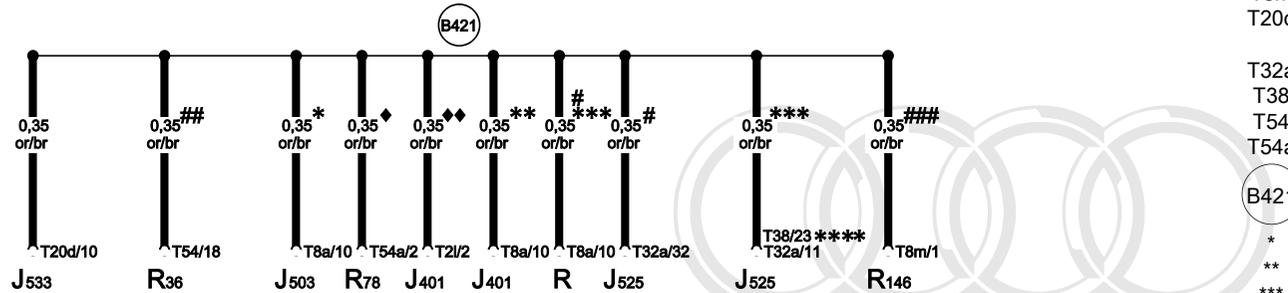
Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Infotainment CAN-Bus Low 1

- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- J533 Data Bus On Board Diagnostic Interface
- R Radio
- R36 Telephone Transceiver
- R78 TV Tuner
- R146 Satellite Radio
- T2I Double Connector, black (Connector CAN), on navigation system control module with CD drive
- T8a 8-Pin Connector, black, radio connector D
- T8m 8-Pin Connector, on satellite radio
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- T54a 54-Pin Connector, on TV Tuner



(B421) Infotainment CAN-Bus Low Connection 1 (in main wiring harness)

- \* Navigation System RNS-Low (7Q9)
- \*\* Navigation System RNS-E (7Q2)
- \*\*\* Radio with Standard Soundsystem (9VD)
- \*\*\*\* from February 2009
- # Radio with soundsystem BOSE (8RY)
- ## Models with cellular telephone preparation (9ZF)
- ### Only USA
- ♦ Models with TV Tuner
- ♦♦ Models with navigation system (7Q4)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

## Haldex Clutch with All-Wheel Drive

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

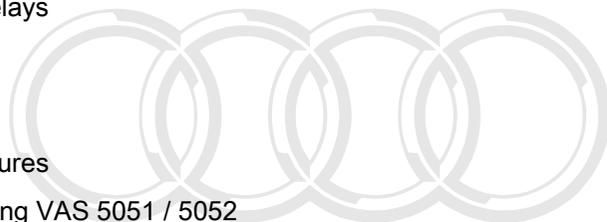
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



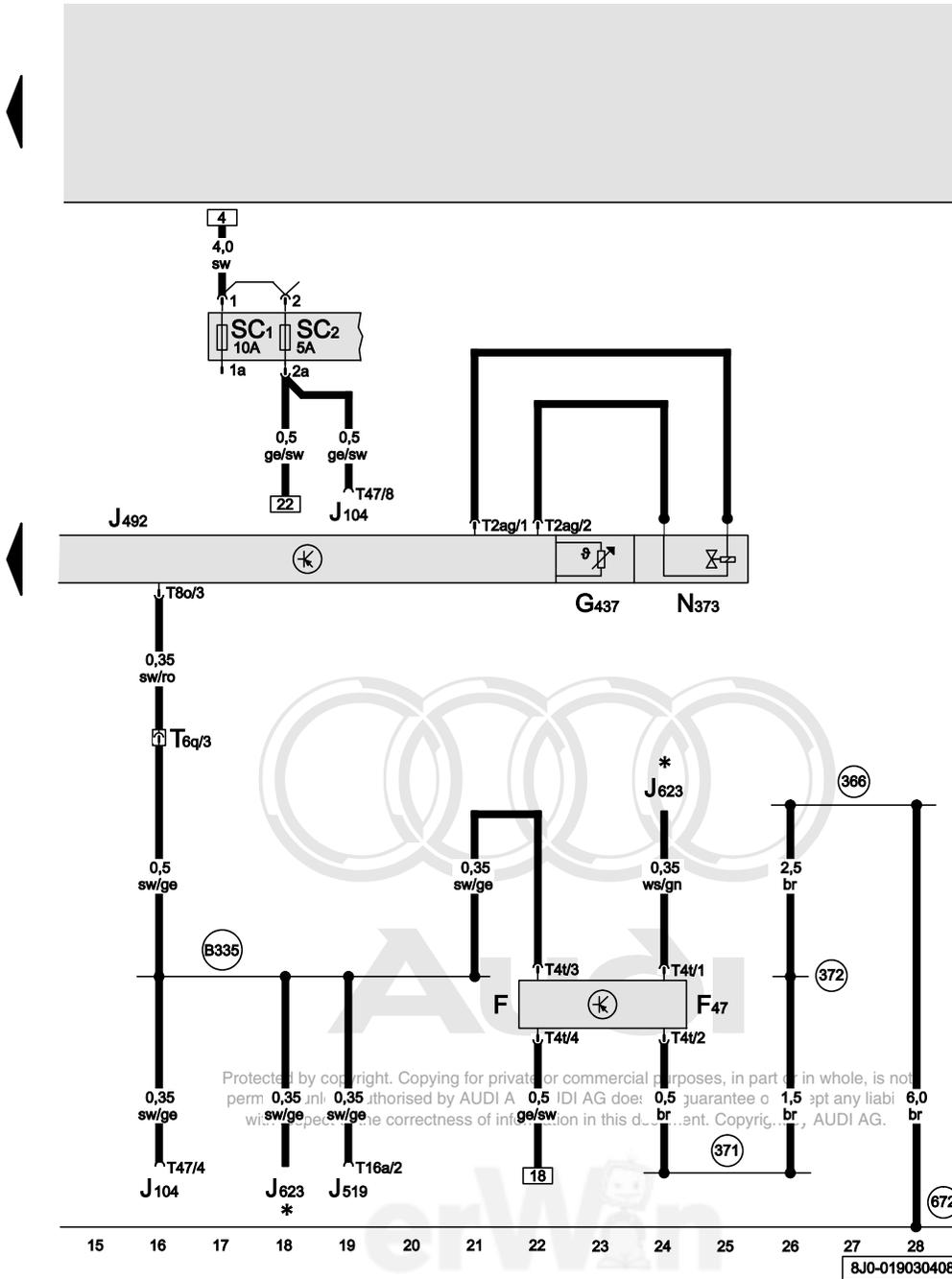
# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

The erWin logo features the text "erWin" in a bold, sans-serif font. A small, stylized robot character is integrated into the letter "i" in "Win".



All-Wheel Drive Control Module, Brake Light Switch, Oil Pressure/Temperature Sensor, Haldex Clutch Control Valve



- F Brake Light Switch
- F47 Brake Pedal Switch
- G437 Oil Pressure/Temperature Sensor
- J104 ABS Control Module
- J492 All-Wheel Drive Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- N373 Haldex Clutch Control Valve
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- T2ag Double Connector, near all-wheel drive control module
- T47 47-Pin Connector, on ABS control module
- T4t 4-Pin Connector, black, on brake light switch
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T8o 8-Pin Connector, black, on all-wheel drive control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module

- 366 Ground Connection 1 (in main wiring harness)
- 371 Ground Connection 6 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B335 Connection 1 (54) (in main wiring harness)

\* ⇒ Wiring Diagram engine

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the written authorization of AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright © AUDI AG.

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon) and Automatic Headlamp Range Control

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

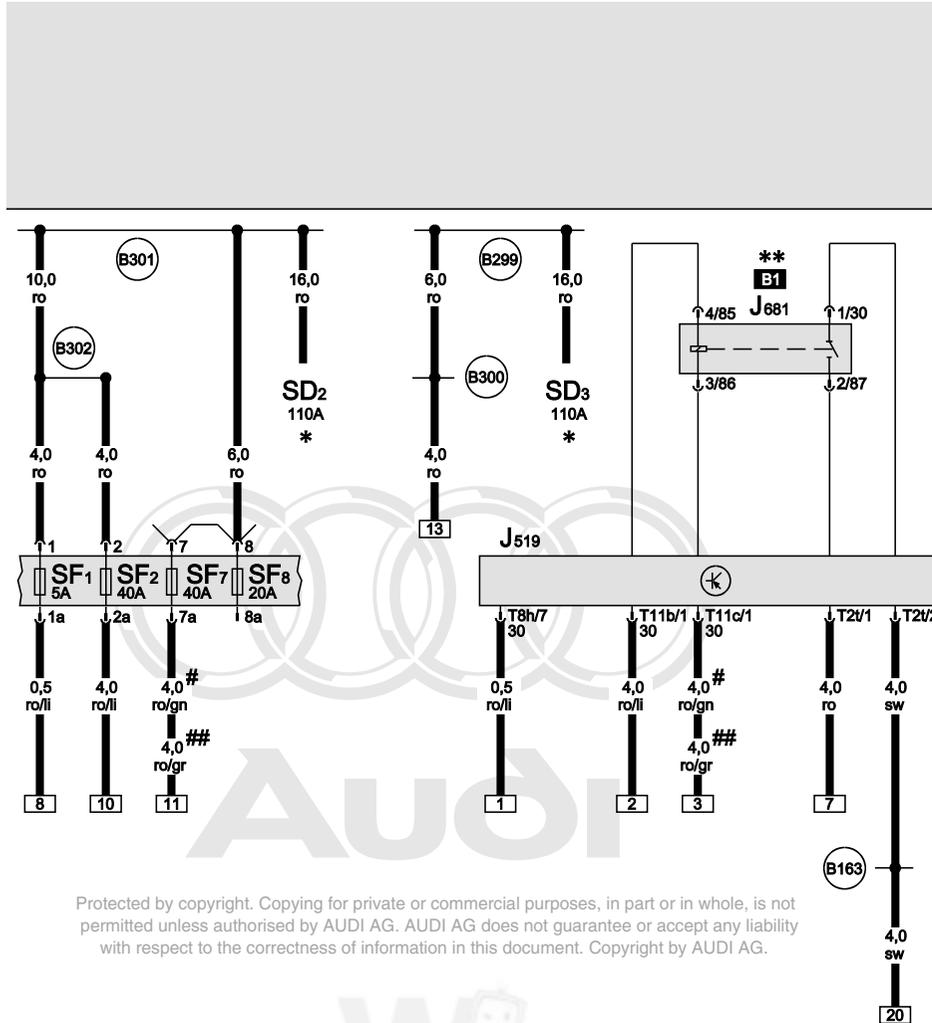
⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

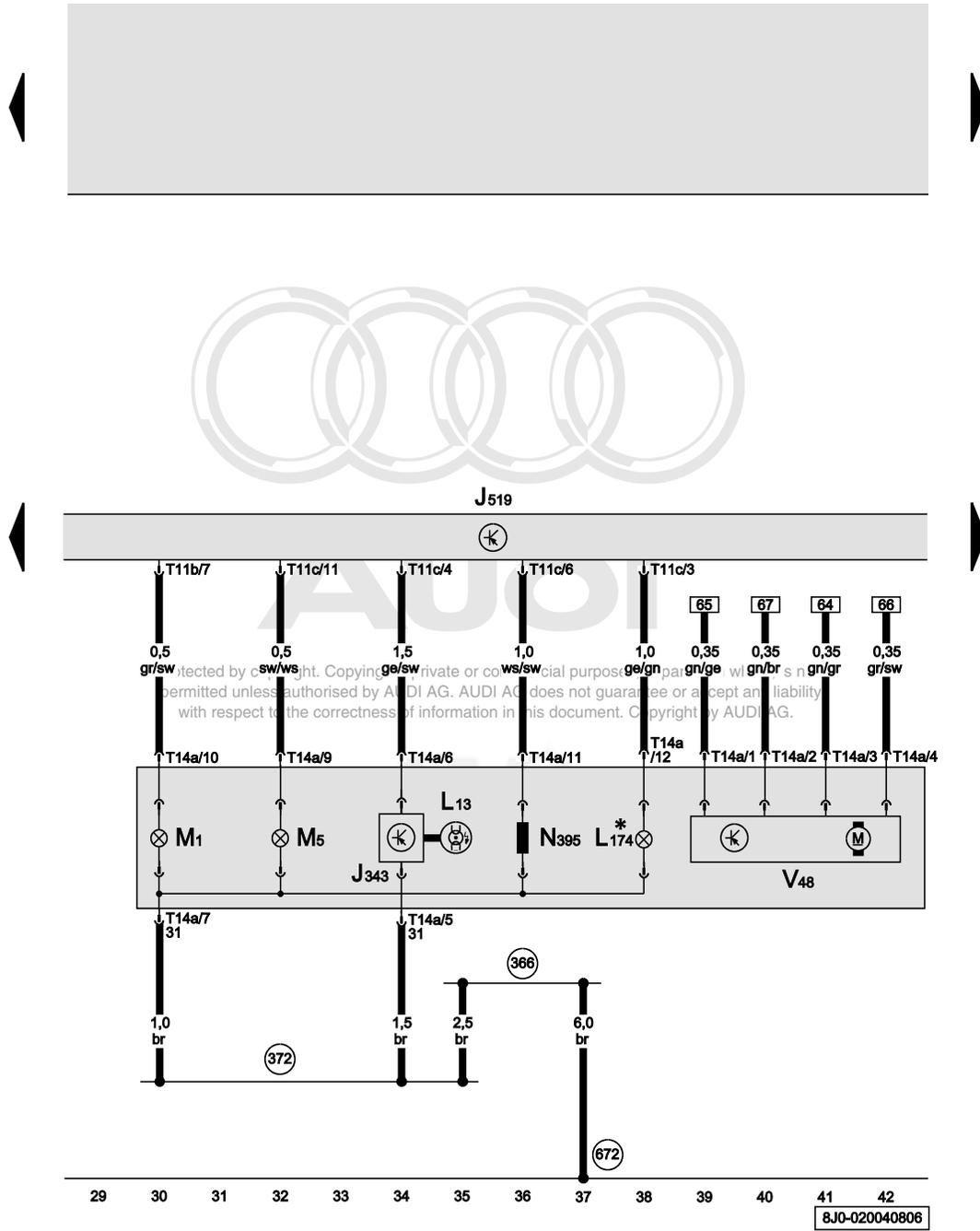
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- # Coupé
- ## Roadster

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



Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module

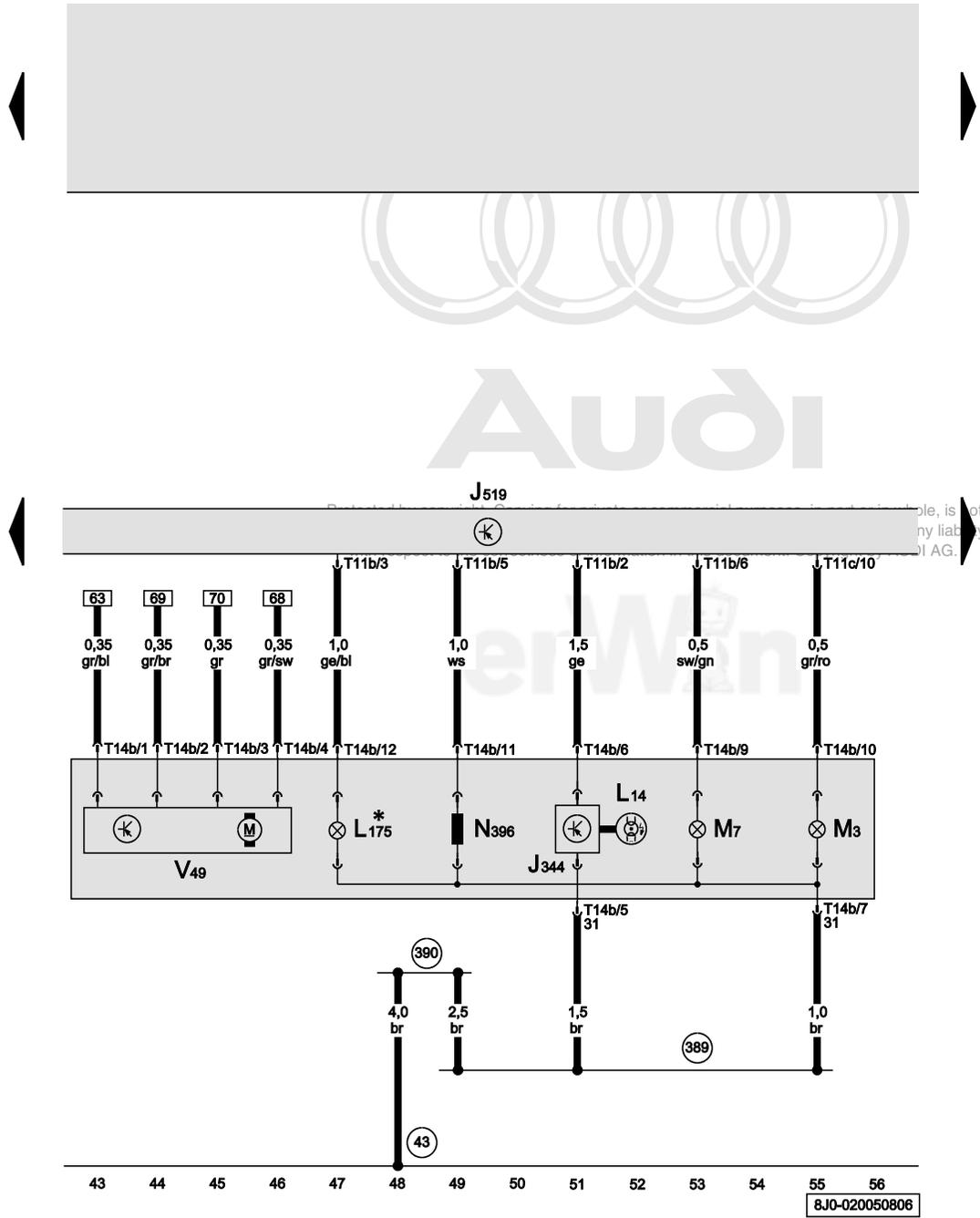
- J343 Left High-intensity Gas Discharge Lamp Control Module
  - J519 Vehicle Electrical System Control Module
  - L13 Left High Intensity Gas Discharge (HID) Lamp
  - L174 Left Daytime Running Lamp (DRL) Lamp
  - M1 Left Parking Lamp
  - M5 Left Front Turn Signal Lamp
  - N395 Left Headlamp Reflector Adjustment Solenoid
  - T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
  - T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
  - T14a 14-Pin Connector, black, on left headlamp
  - V48 Left Headlamp Beam Adjustment Motor
- 366 Ground Connection 1 (in main wiring harness)
  - 372 Ground Connection 7 (in main wiring harness)
  - 672 Ground Connection 2 (on left front long member)
- \* Models with daytime running lights



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

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module

- J344 Right High-intensity Gas Discharge Lamp Control Module
  - J519 Vehicle Electrical System Control Module
  - L14 Right High Intensity Gas Discharge (HID) Lamp
  - L175 Right Daytime Running Lamp (DRL) Lamp
  - M3 Right Parking Lamp
  - M7 Right Front Turn Signal Lamp
  - N396 Right Headlamp Reflector Adjustment Solenoid
  - T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
  - T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
  - T14b 14-Pin Connector, black, on right headlamp
  - V49 Right Headlamp Beam Adjustment Motor
- 43 Ground Connection (on right lower A-pillar)
  - 389 Ground Connection 24 (in main wiring harness)
  - 390 Ground Connection 25 (in main wiring harness)
- \* Models with daytime running lights



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

8J0-020050806

Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

44 Ground Connection (on left lower A-pillar)

384 Ground Connection 19 (in main wiring harness)

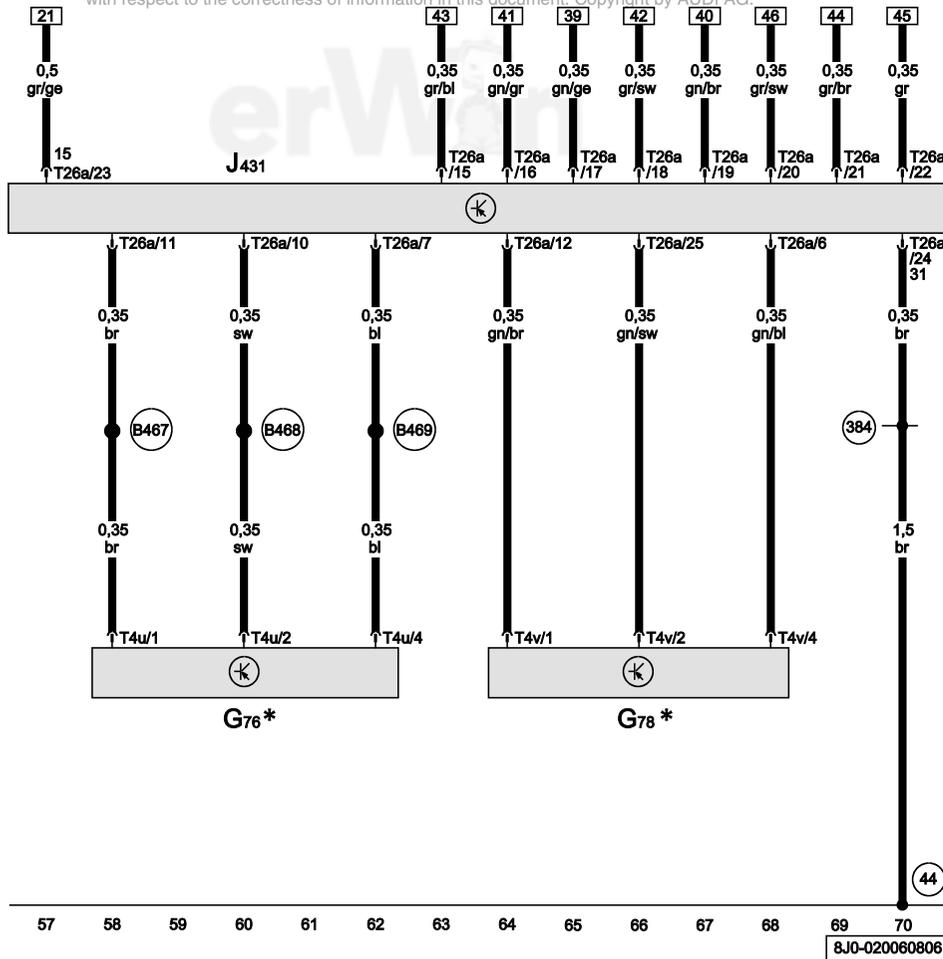
B467 Connection 3 (in main wiring harness)

B468 Connection 4 (in main wiring harness)

B469 Connection 5 (in main wiring harness)

\* Not for electronic damping

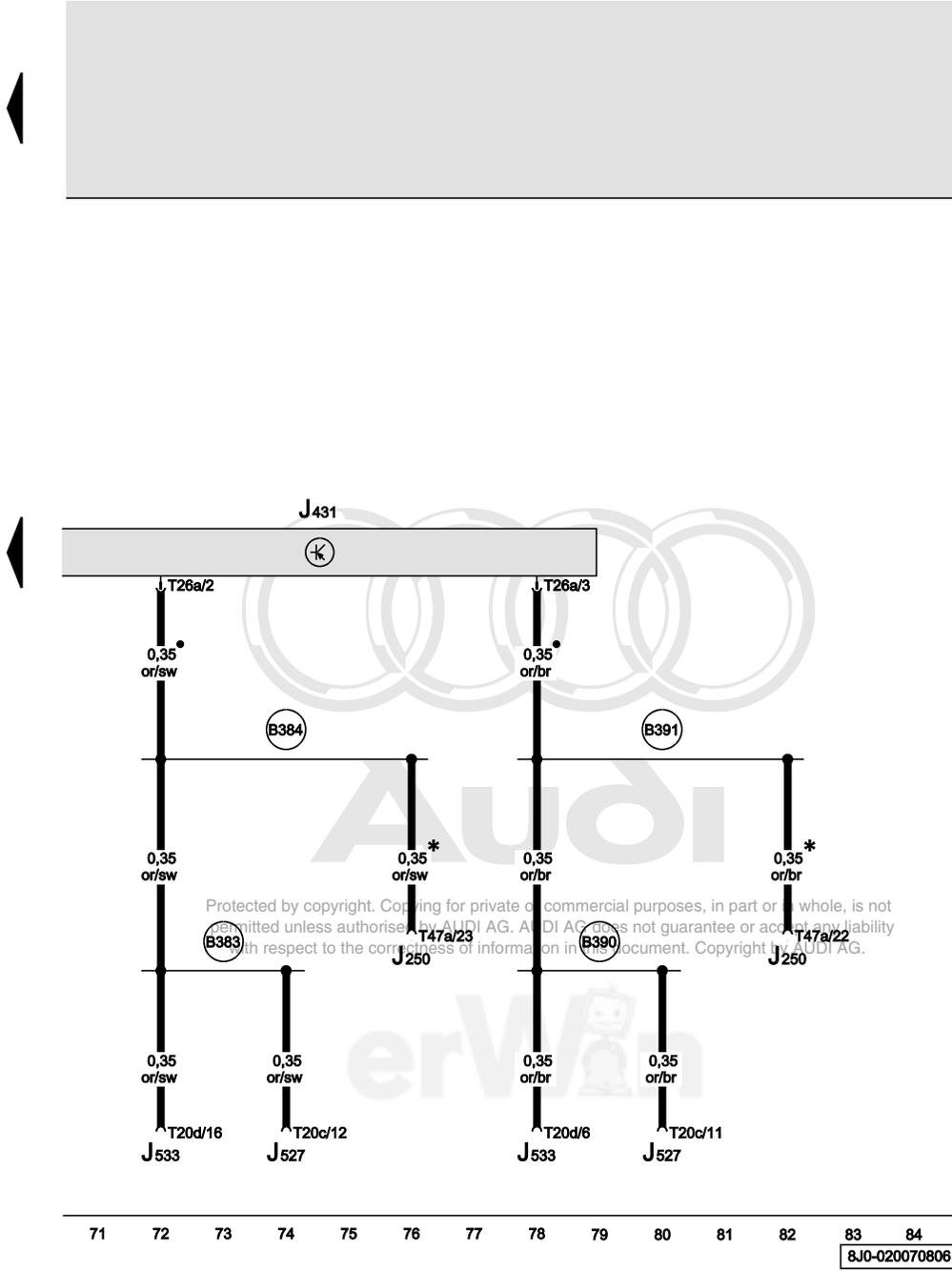
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module
- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B384) Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B391) Powertrain CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* With electronic damping



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

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon), Cornering Lamp and Automatic Headlamp Range Control

from model year 2007

**Note:**

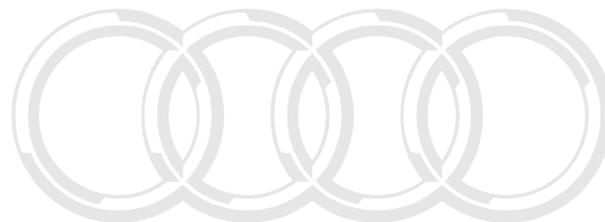
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

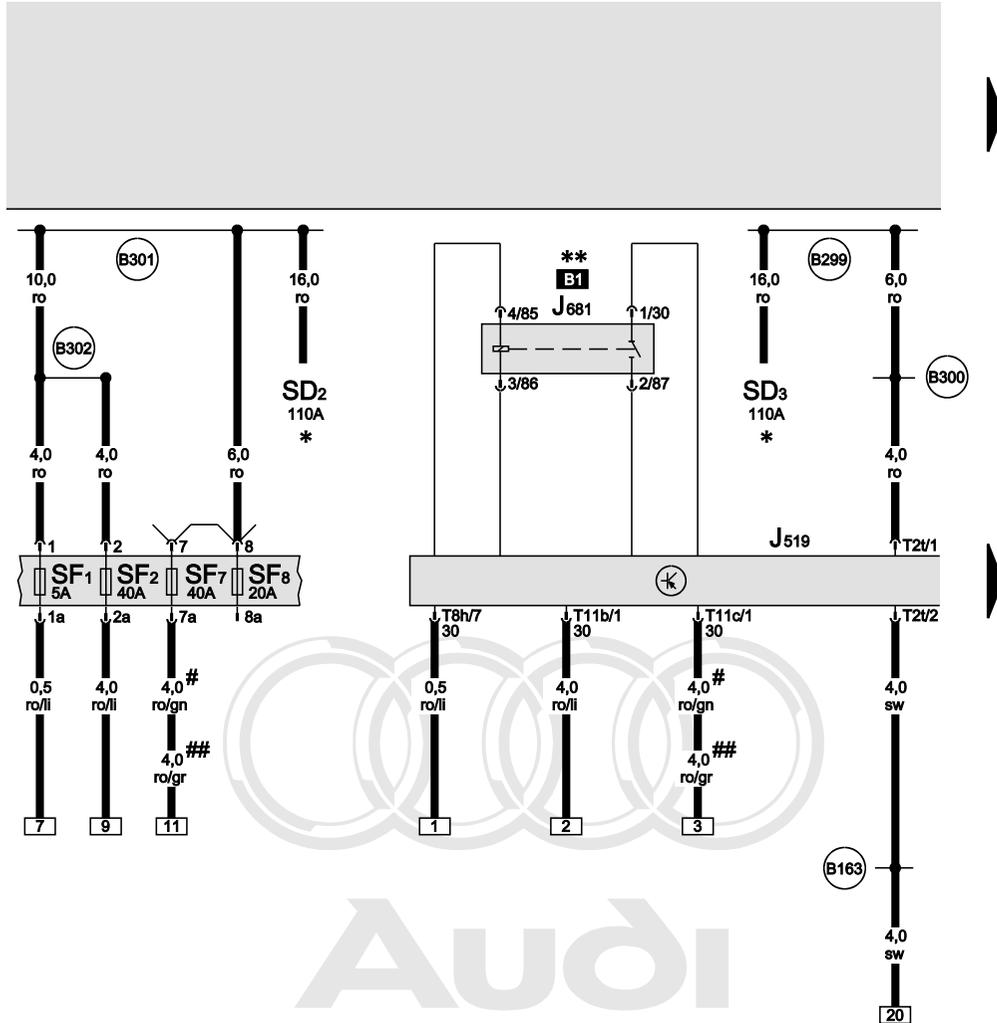
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

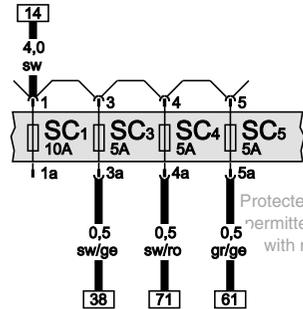
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- # Coupé
- ## Roadster

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

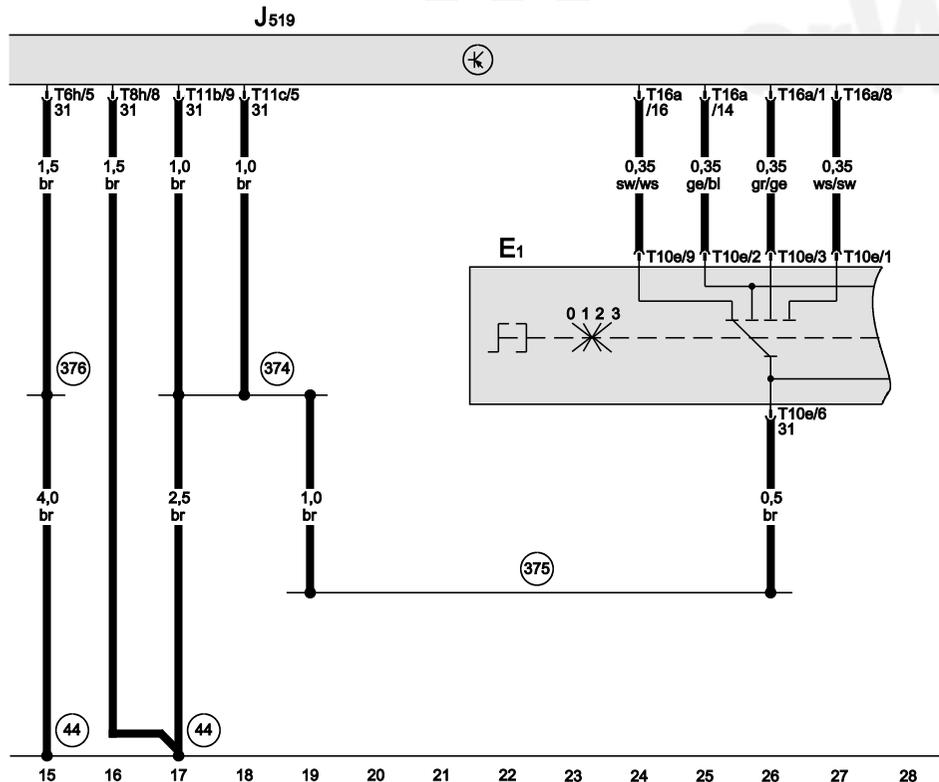
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T10e 10-Pin Connector, black (Connector A), on light switch
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



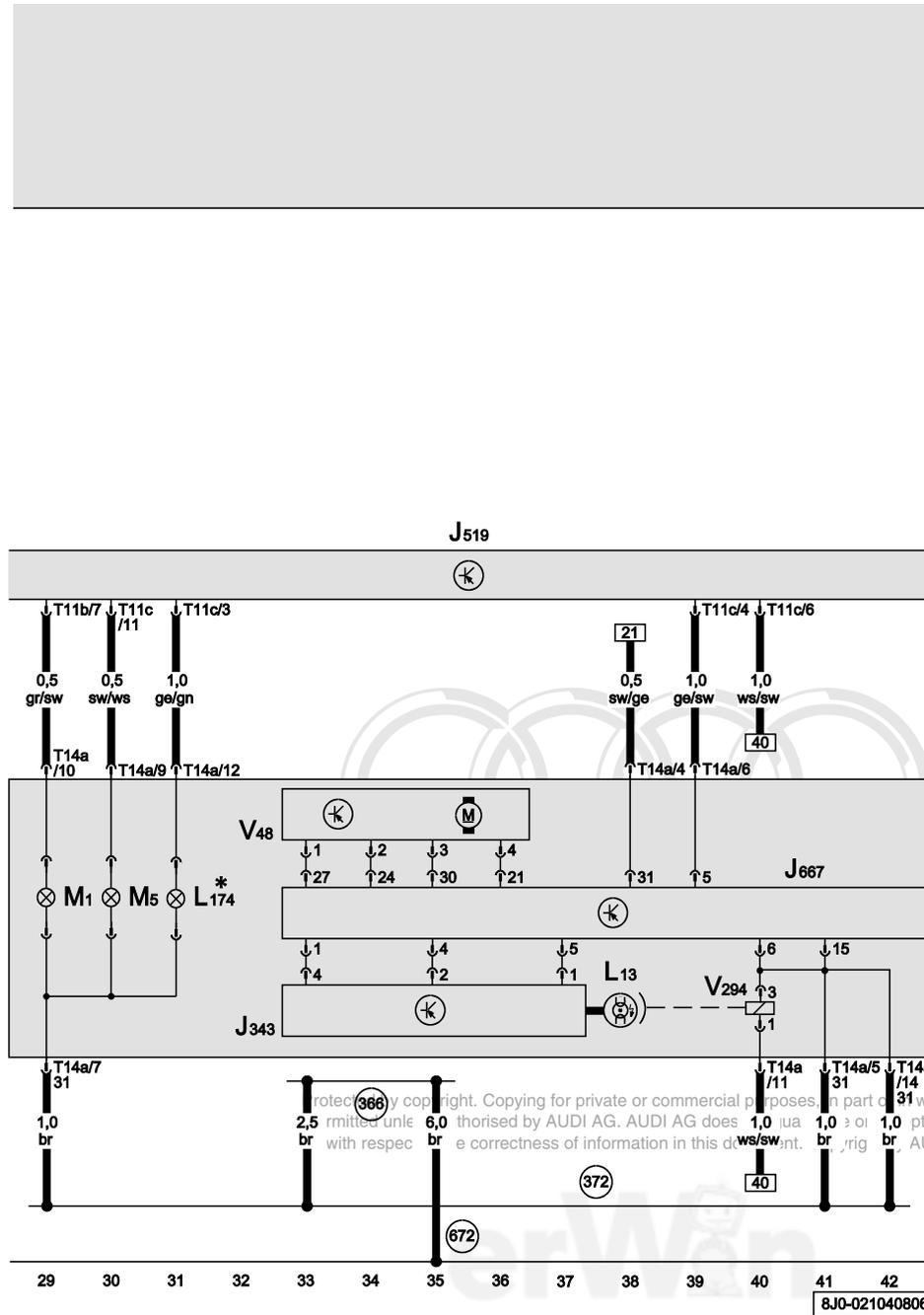
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-021030806

Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T14a 14-Pin Connector, black, on left headlamp
- V48 Left Headlamp Beam Adjustment Motor
- V294 Left Low Beam Reflector Motor

- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- \* Models with daytime running lights

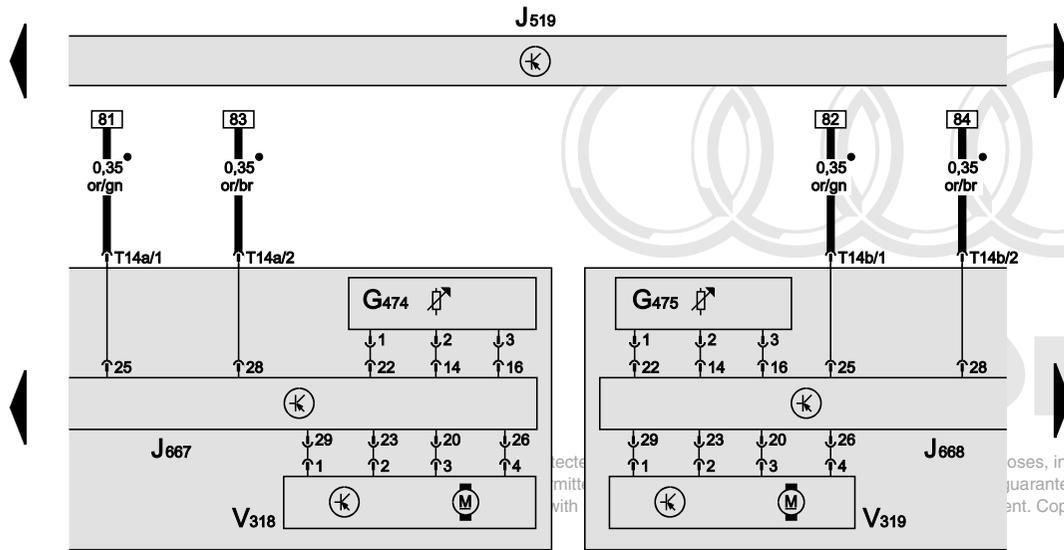
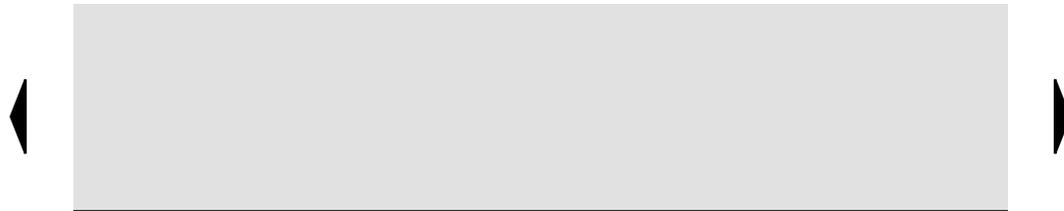


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-021040806

Vehicle Electrical System Control Module, Left Headlamp Power Output Stage, Right Headlamp Power Output Stage, Swivel Module Position Sensor, Dynamic Cornering Light Motor

- G474 Left Swivel Module Position Sensor
- G475 Right Swivel Module Position Sensor
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- J668 Right Headlamp Power Output Stage
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V318 Left Dynamic Cornering Light Motor
- V319 Right Dynamic Cornering Light Motor
- CAN-Bus (data wire)



uses, in part or in whole, is not  
guarantee or accept any liability  
ent. Copyright by AUDI AG.

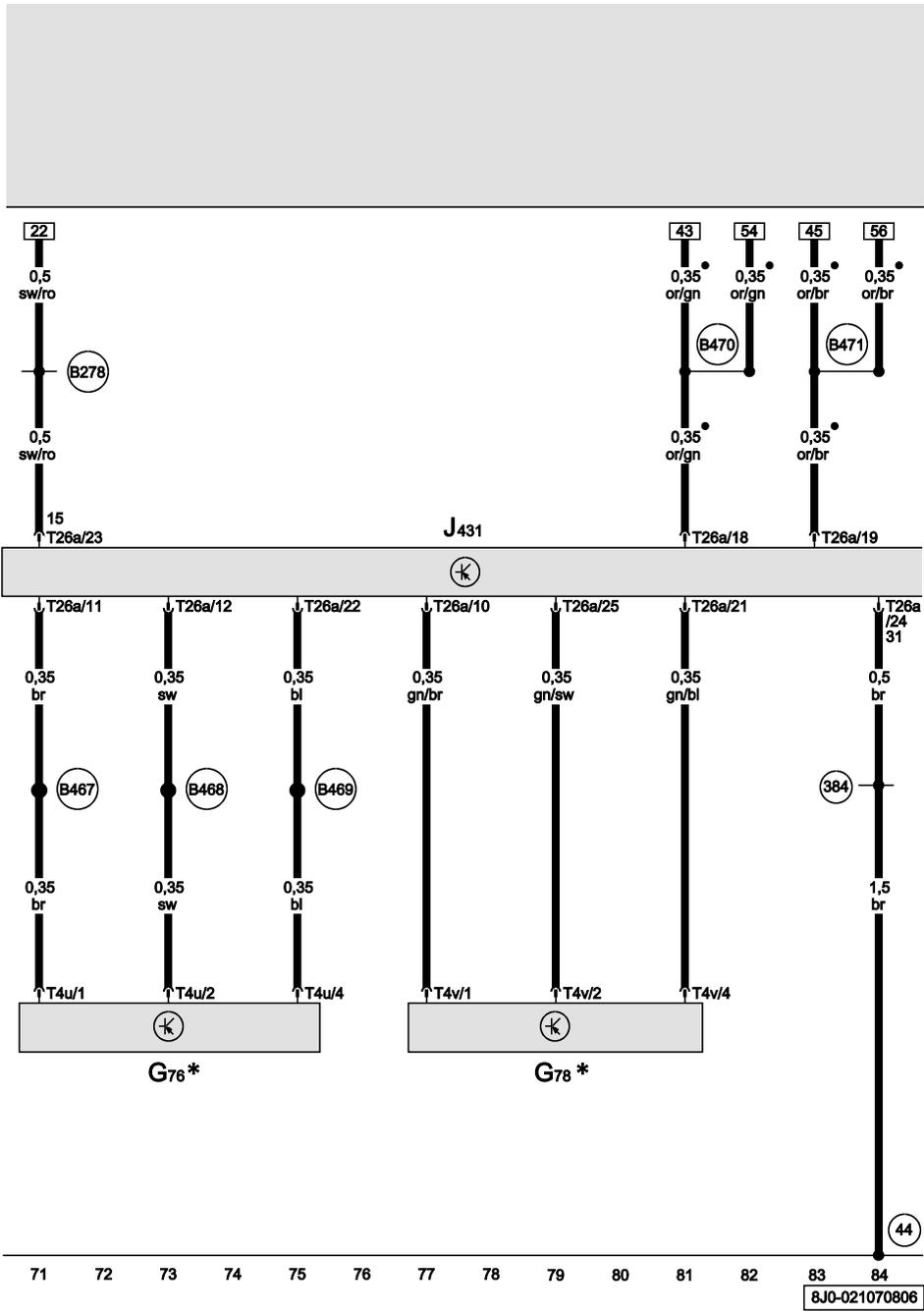
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)
- B470 Connection 6 (in main wiring harness)
- B471 Connection 7 (in main wiring harness)
- CAN-Bus (data wire)
- \* Not for electronic damping



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

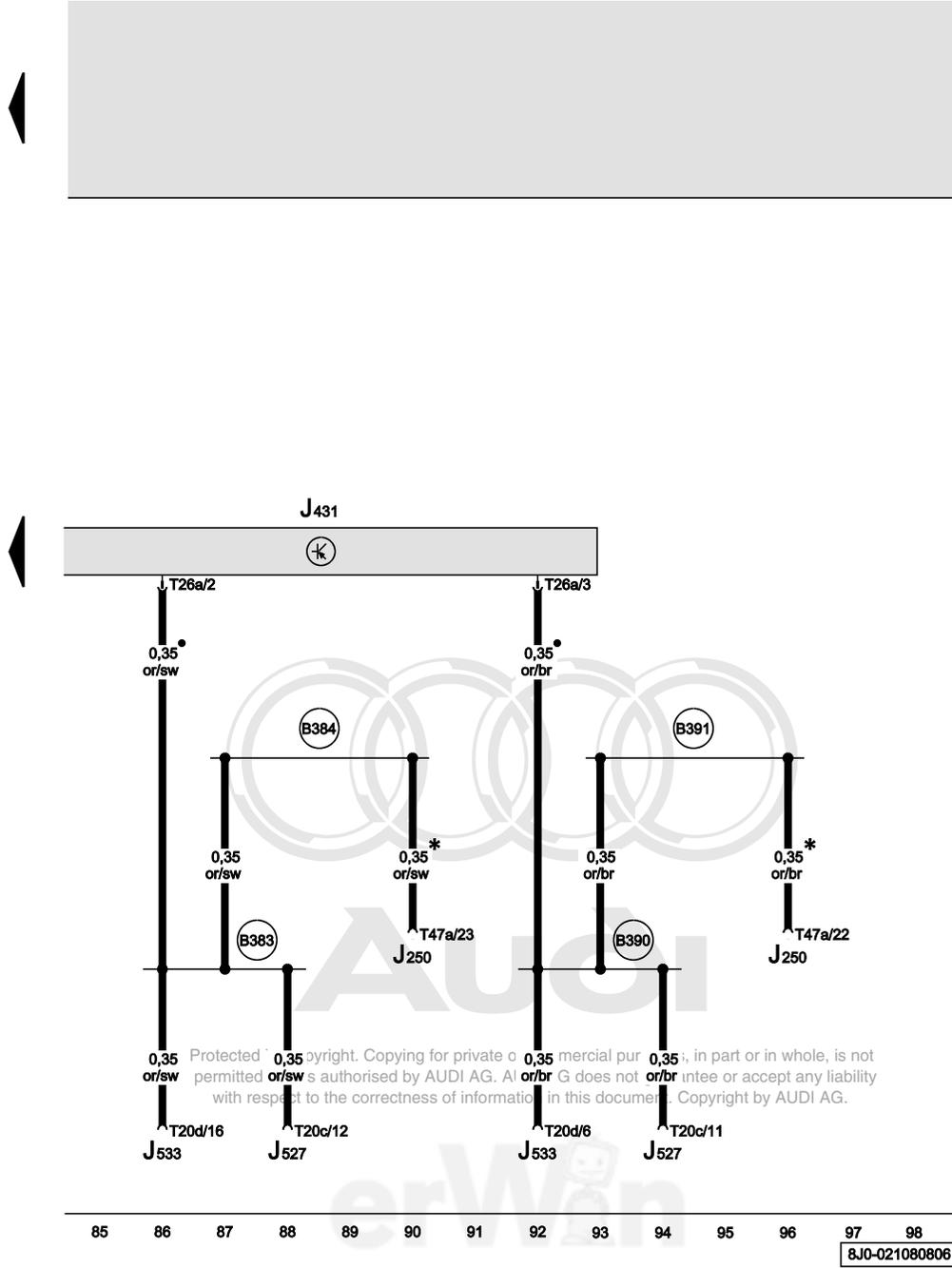


Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B384) Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B391) Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* With electronic damping



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

## Multi-function Steering Wheel

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground Connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

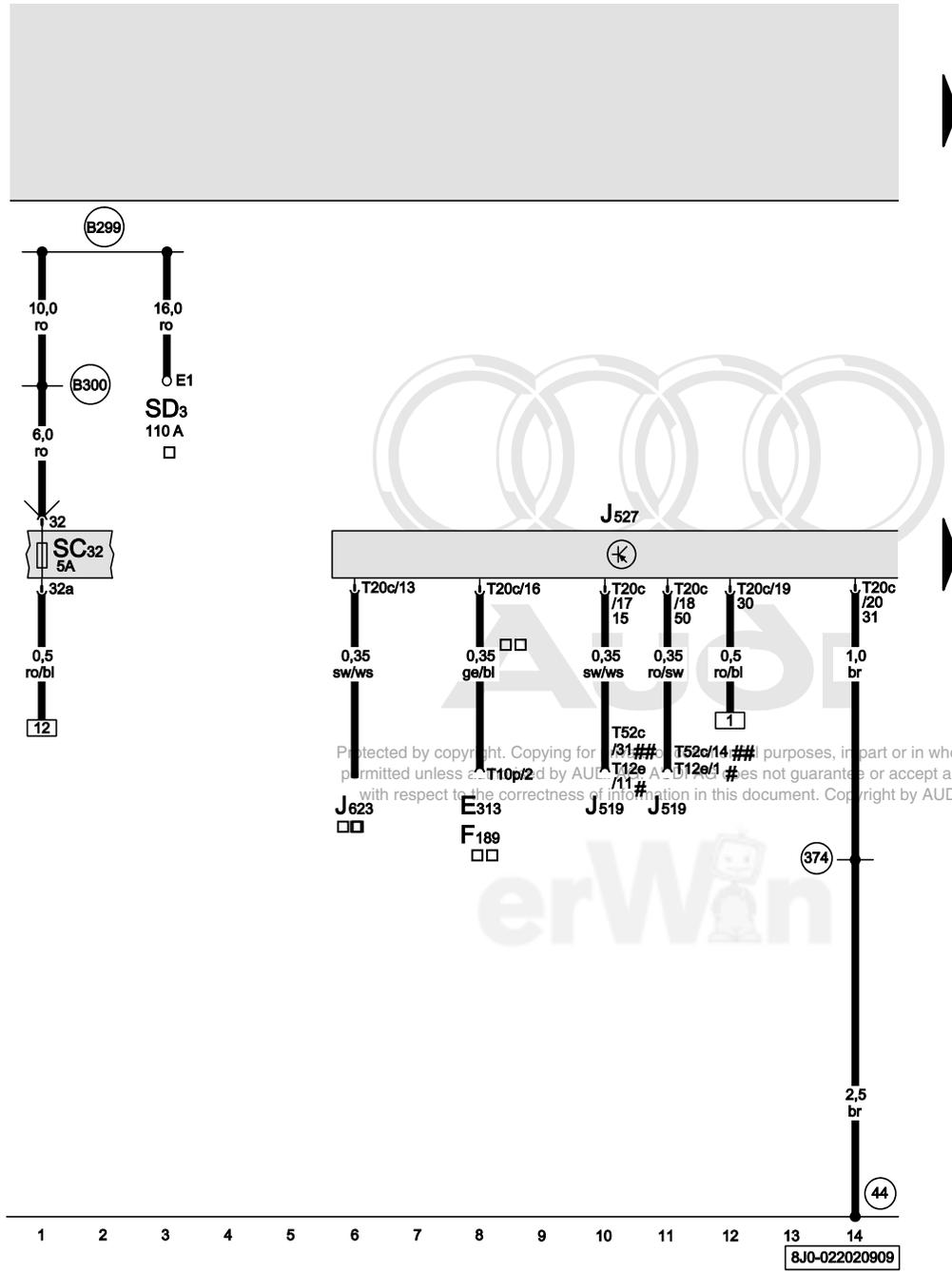
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Steering Column Electronic Systems Control Module, Fuses

- E313 Selector Lever
- F189 Tiptronic Switch
- J519 Vehicle Electrical System Control Module
- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- SC32 Fuse 32 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T10p 10-Pin Connector, on Tiptronic switch
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Models with direct shift gearbox 02E and automatic transmission
- \*\*\* => Wiring Diagram Engine
- # Through May 2009
- ## from June 2009



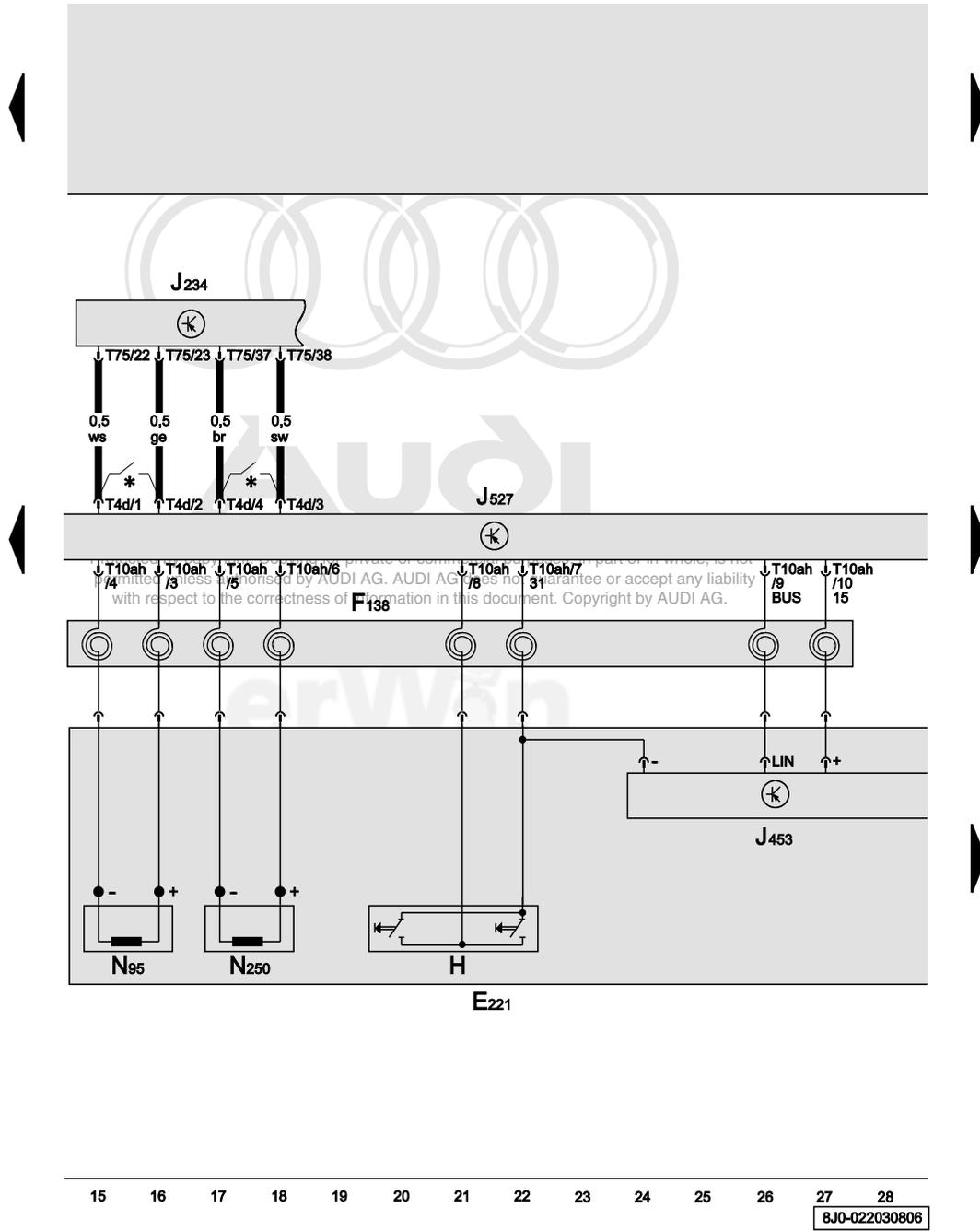
Protected by copyright. Copying for private use, in part or in whole, is not permitted unless authorized by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-022020909

**Steering Column Electronic Systems Control Module, Airbag Spiral Spring/Return Spring With Slip Ring, Driver's Airbag Igniter, Signal Horn Activation, Multi-function Steering Wheel Control Module**

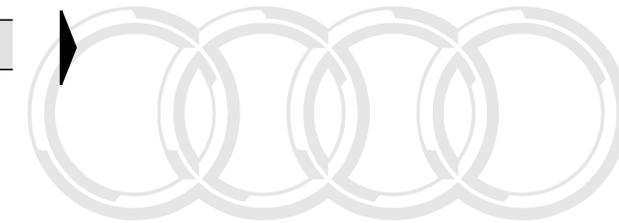
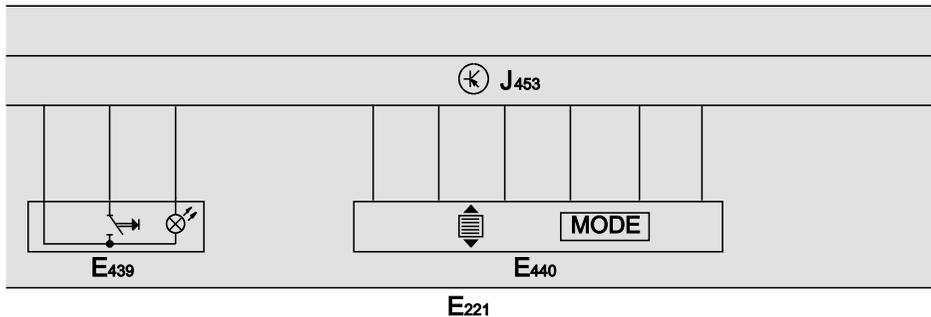
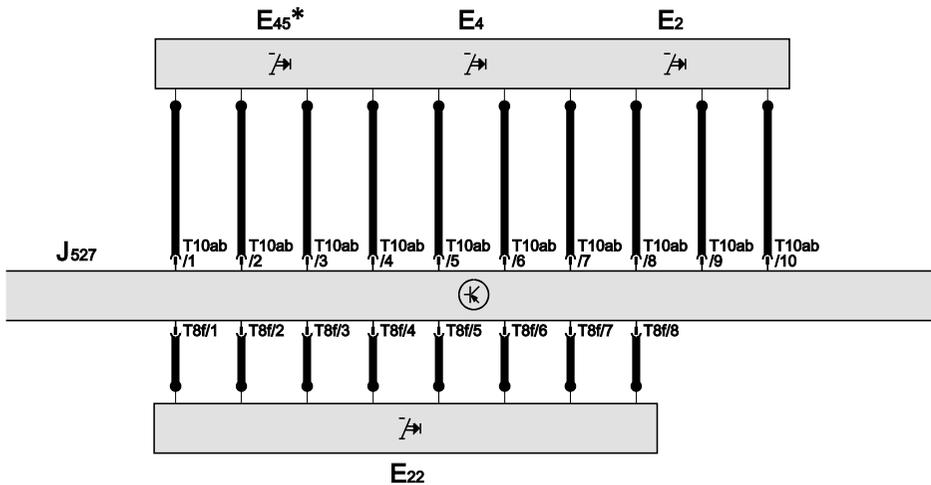
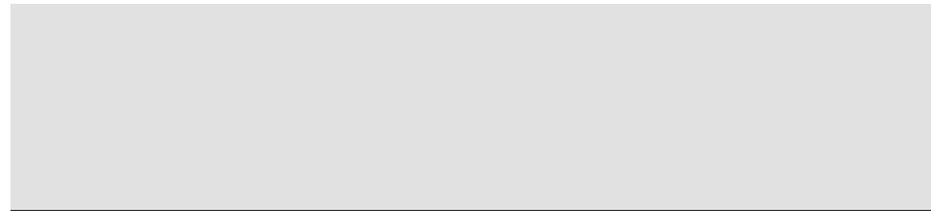
- E221 Control Head in Steering Wheel
- F138 Airbag Spiral Spring/Return Spring With Slip Ring
- H Signal Horn Activation
- J234 Airbag Control Module
- J453 Multi-function Steering Wheel Control Module
- J527 Steering Column Electronic Systems Control Module
- N95 Driver's Airbag Igniter
- N250 Driver's Airbag Igniter 2
- T4d 4-Pin Connector, yellow, on steering column electronic systems control module
- T10ah 10-Pin Connector, on steering column electronic systems control module
- T75 75-Pin Connector, yellow, on airbag control module
- \* Short circuit bridge becomes effective when connector is unplugged



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

Steering Column Electronic Systems Control Module, Turn Signal Switch, Headlamp Dimmer/Flasher Switch, Windshield Wiper Intermittent Switch, Cruise Control Switch, Control Head in Steering Wheel, Left Multi-function Buttons (on steering wheel)

- E2 Turn Signal Switch
- E4 Headlamp Dimmer/Flasher Switch
- E22 Windshield Wiper Intermittent Switch
- E45 Cruise Control Switch
- E221 Control Head in Steering Wheel
- E439 Tiptronic Downshift Button (on steering wheel)
- E440 Left Multi-function Buttons (on steering wheel)
- J453 Multi-function Steering Wheel Control Module
- J527 Steering Column Electronic Systems Control Module
- T8f 8-Pin Connector, on steering column electronic systems control module
- T10ab 10-Pin Connector, on steering column electronic systems control module
- \* Models with cruise control system

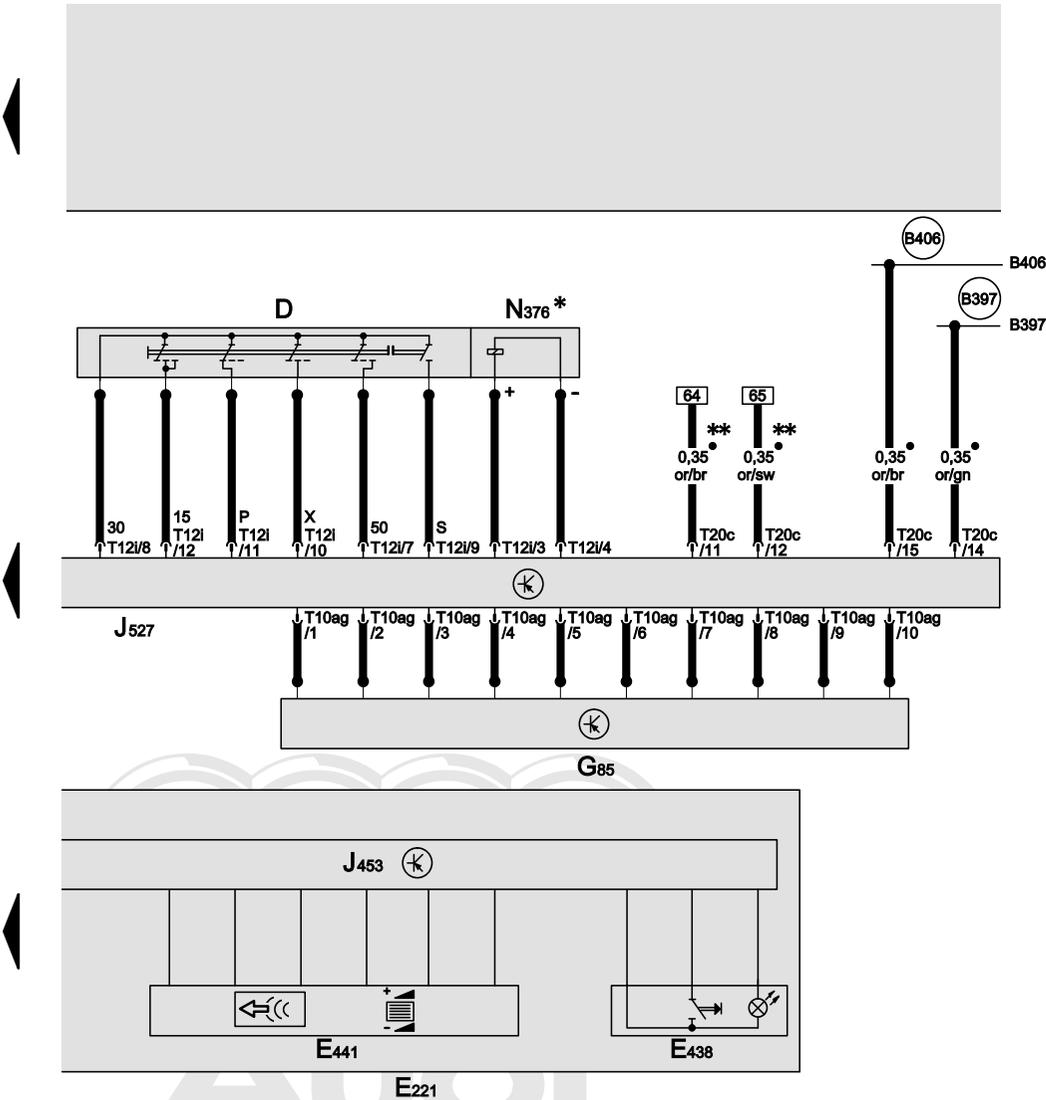


Audi

protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

**Steering Column Electronic Systems Control Module, Ignition/Starter Switch, Ignition Switch Key Lock Solenoid, Control Head in Steering Wheel, Right Multi-function Buttons (on steering wheel), Steering Angle Sensor**

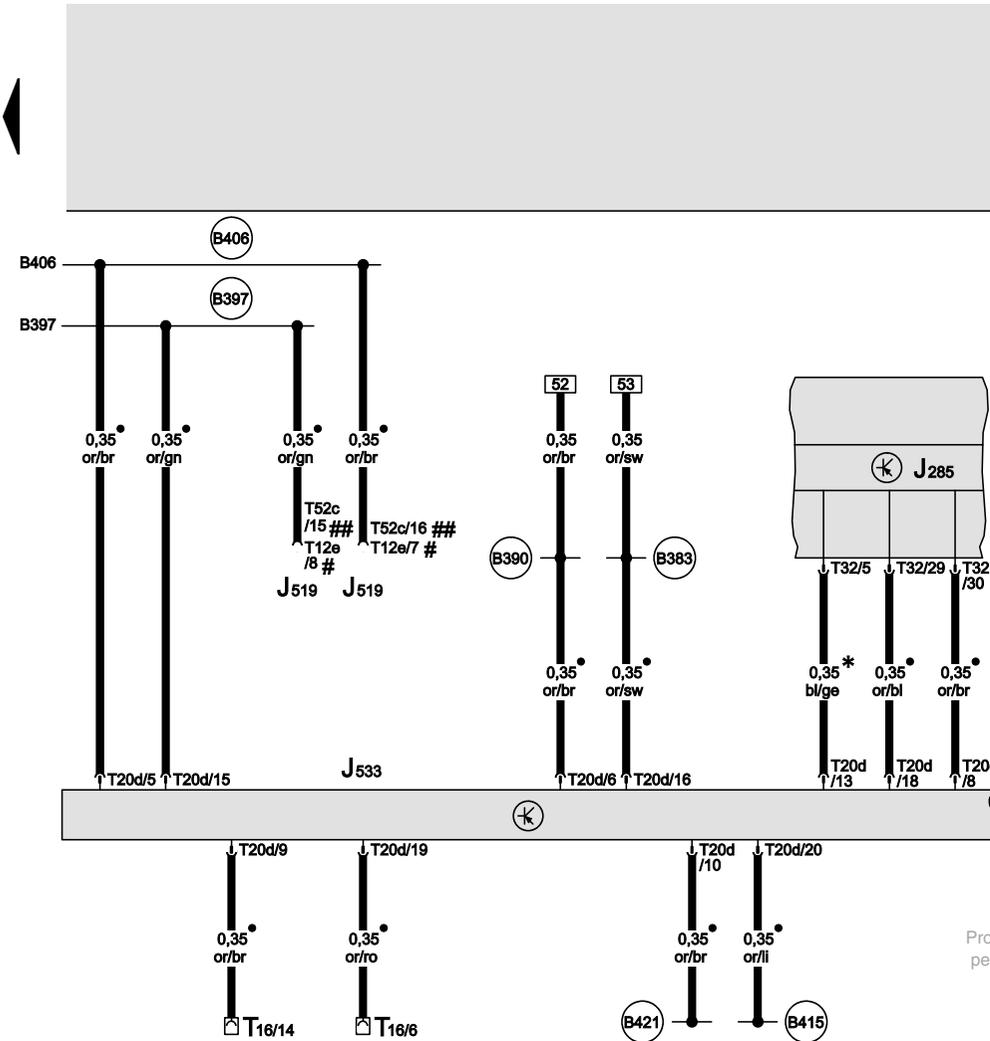


- D Ignition/Starter Switch
- E221 Control Head in Steering Wheel
- E438 Tiptronic Upshift Button (on steering wheel)
- E441 Right Multi-function Buttons (on steering wheel)
- G85 Steering Angle Sensor
- J453 Multi-function Steering Wheel Control Module
- J527 Steering Column Electronic Systems Control Module
- N376 Ignition Switch Key Lock Solenoid
- T10ag 10-Pin Connector, on steering column electronic systems control module
- T12i 12-Pin Connector, on steering column electronic systems control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- (B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- (B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with automatic transmission
- \*\* Not applicable from June 2009

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Data Bus On Board Diagnostic Interface, Instrument Cluster Control Module, CAN-Bus Wiring



- J285 Instrument Cluster Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T16 16-Pin Connector, Diagnostic Connector
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- (B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- (B415) Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- (B421) Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Wake Up Wire
- # Through May 2009
- ## from June 2009

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Steering Wheel with Tiptronic Switch Rockers

from model year 2007

### Note:

Information for

- ◆ Relay and fuse arrangements

- ◆ Connector arrangements

- ◆ Control Modules and Relays

- ◆ Ground Connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



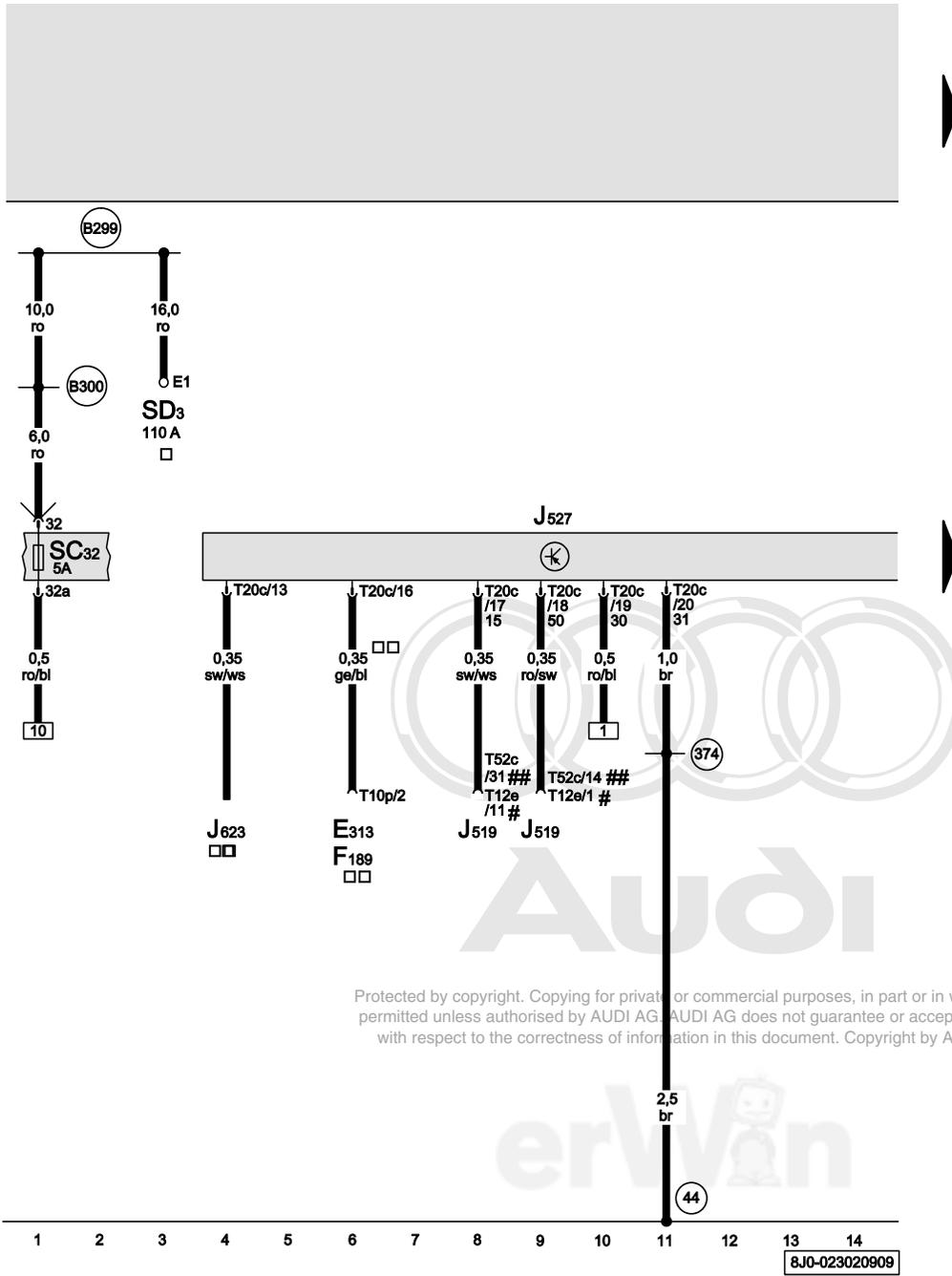
# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Steering Column Electronic Systems Control Module, Fuses

- E313 Selector Lever
- F189 Tiptronic Switch
- J519 Vehicle Electrical System Control Module
- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- SC32 Fuse 32 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T10p 10-Pin Connector, on Tiptronic switch
- T12e 12-Pin Connector, black (Connector G), on vehicle electrical system control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module



44 Ground Connection (on left lower A-pillar)

374 Ground Connection 9 (in main wiring harness)

B299 Plus Connection 3 (30) (in main wiring harness)

B300 Plus Connection 4 (30) (in main wiring harness)

- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Models with direct shift gearbox 02E and automatic transmission
- \*\*\* ⇒ Wiring Diagram Engine
- # Through May 2009
- ## from June 2009

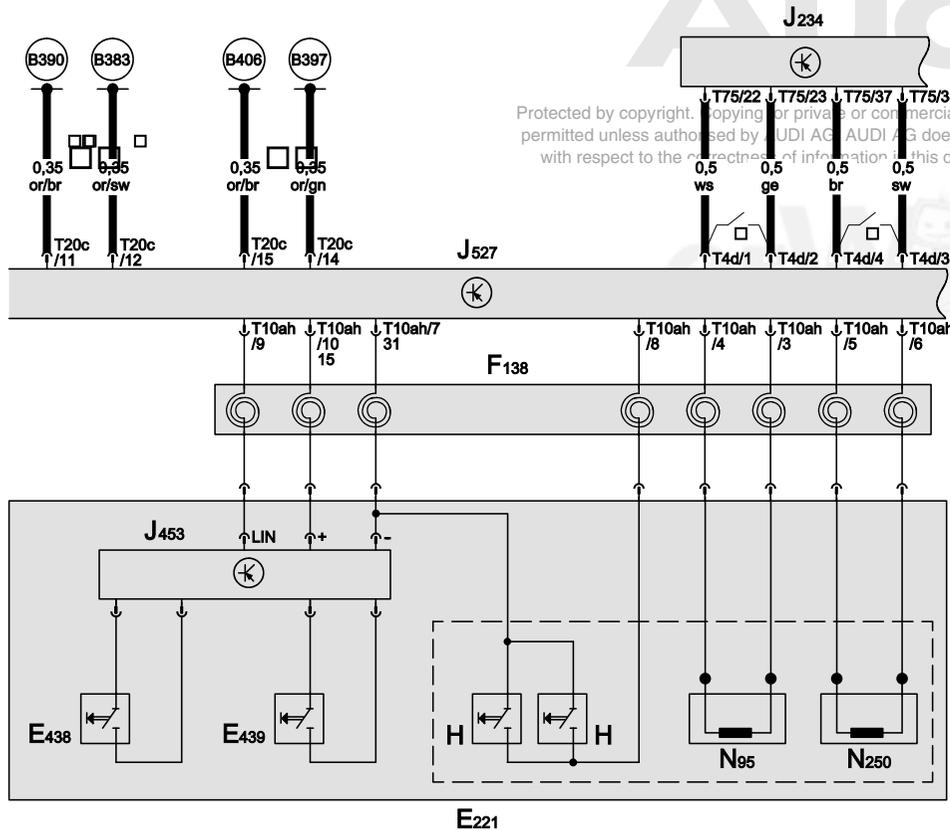
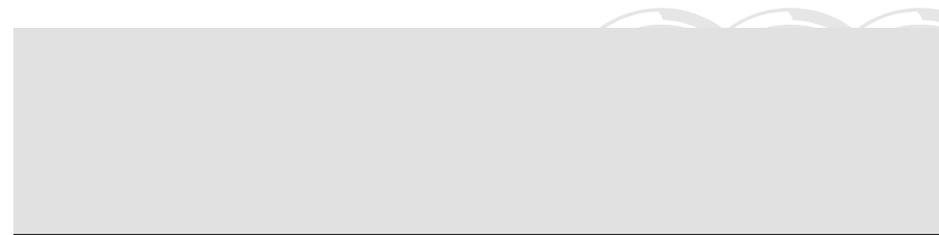
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Steering Column Electronic Systems Control Module, Control Head in Steering Wheel, Airbag Spiral Spring/Return Spring With Slip Ring

- E221 Control Head in Steering Wheel
- E438 Tiptronic Upshift Button (on steering wheel)
- E439 Tiptronic Downshift Button (on steering wheel)
- F138 Airbag Spiral Spring/Return Spring With Slip Ring
- H Signal Horn Activation
- J234 Airbag Control Module
- J453 Multi-function Steering Wheel Control Module
- J527 Steering Column Electronic Systems Control Module
- N95 Driver's Airbag Igniter
- N250 Driver's Airbag Igniter 2
- T4d 4-Pin Connector, yellow, on steering column electronic systems control module
- T10ah 10-Pin Connector, on steering column electronic systems control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T75 75-Pin Connector, yellow, on airbag control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- (B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
  - CAN-Bus (data wire)
  - \* Short circuit bridge becomes effective when connector is unplugged
  - \*\* Through May 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Radio with Standard Soundsystem (9VD) Coupè

from model year 2007

### Note:

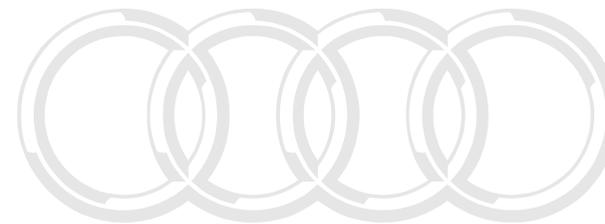
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

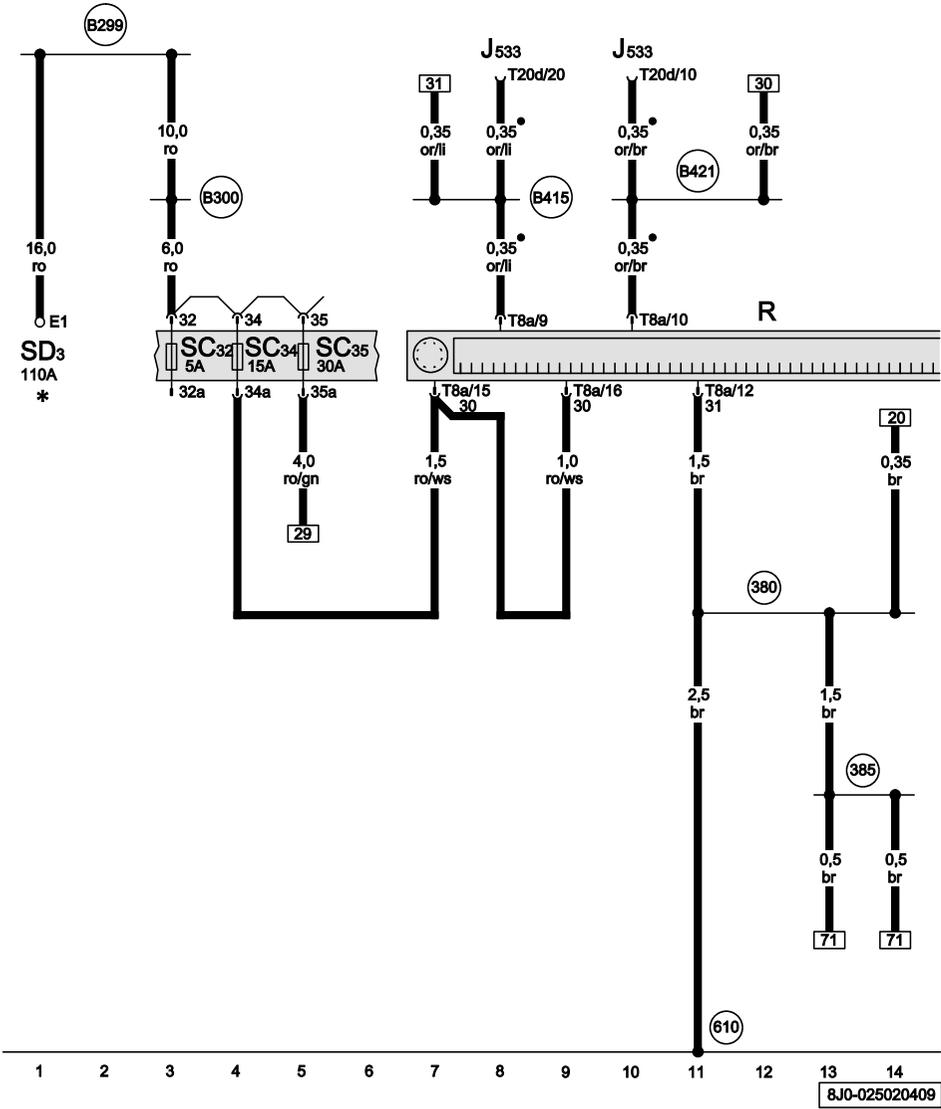
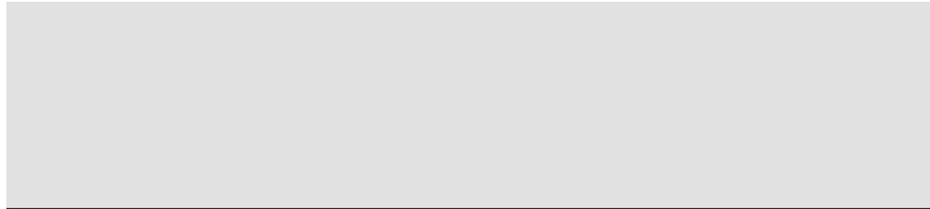
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
  - \* CAN-Bus (data wire)
  - \* Main fuse panel, in right rear luggage compartment on battery

Protected by copyright. Copying for private use or for internal or external training purposes is permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

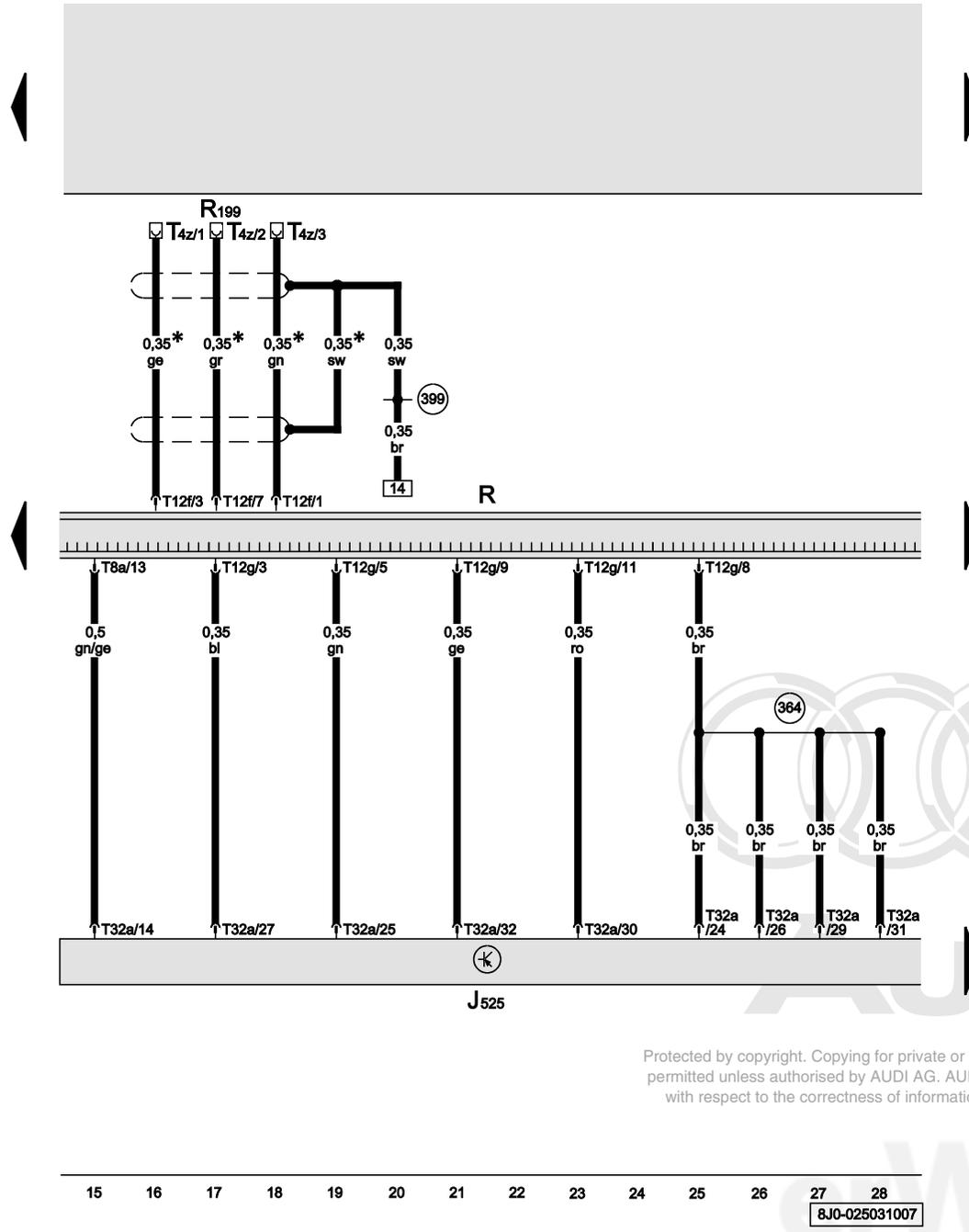
Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T32a 32-Pin Connector, black, on digital sound system control module

364 Ground Connection 1 (low frequency), in instrument panel wiring harness

399 Ground Connection 34 (in main wiring harness)

\* From November 2007

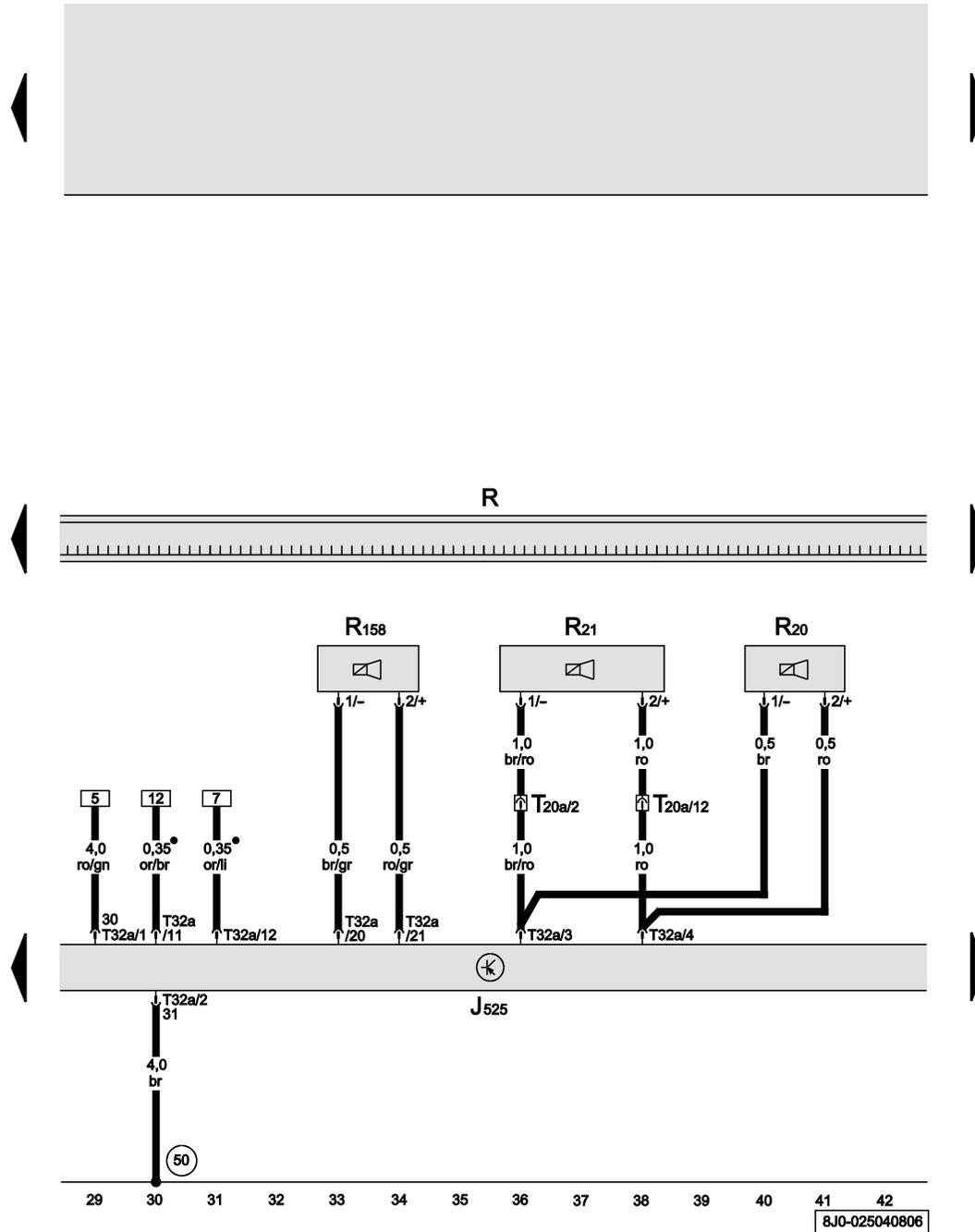


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left Front Bass Speaker, Center Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R158 Center Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T32a 32-Pin Connector, black, on digital sound system control module

- 50 Ground Connection (in luggage compartment, left)
  - CAN-Bus (data wire)



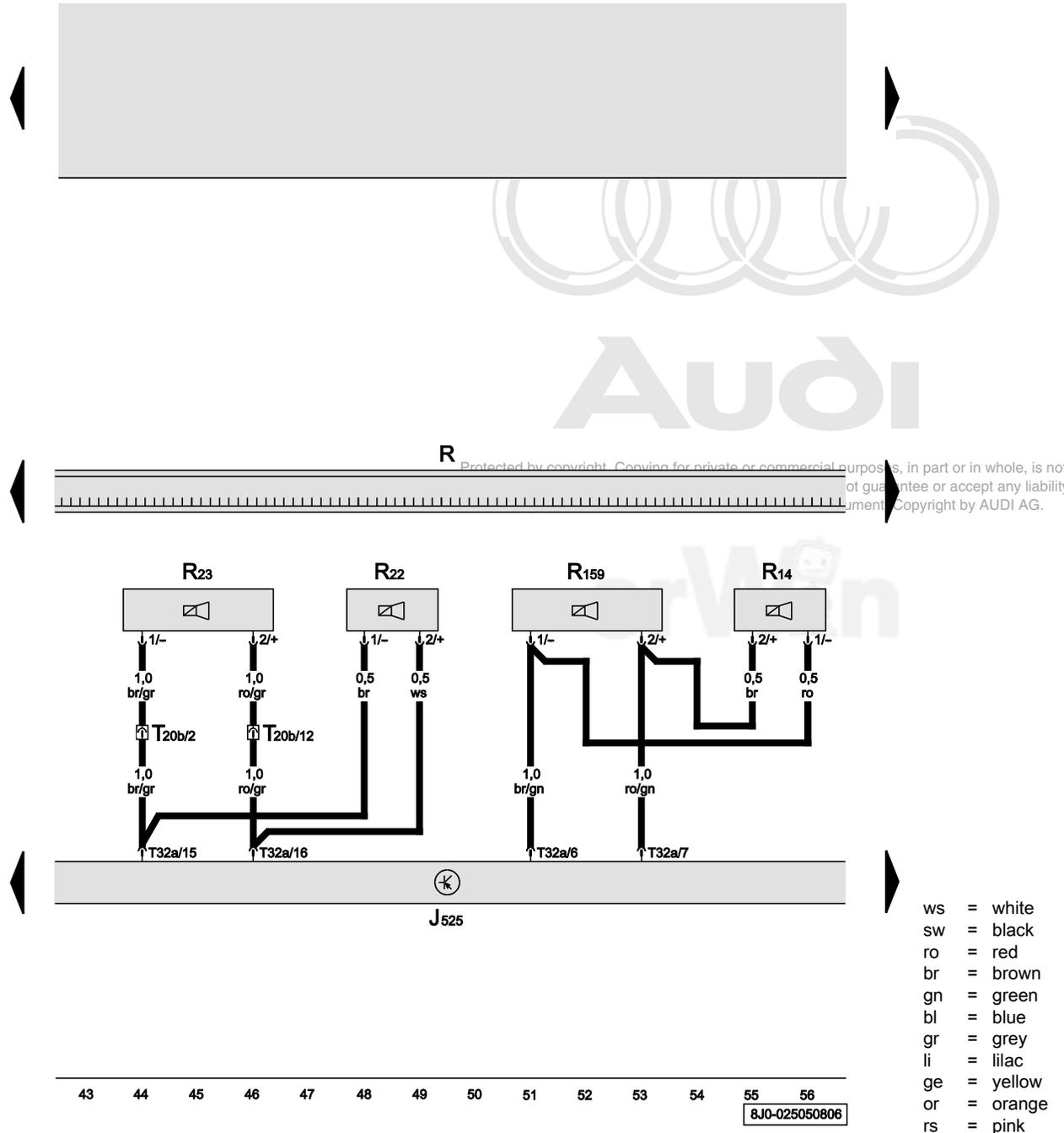
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-025040806

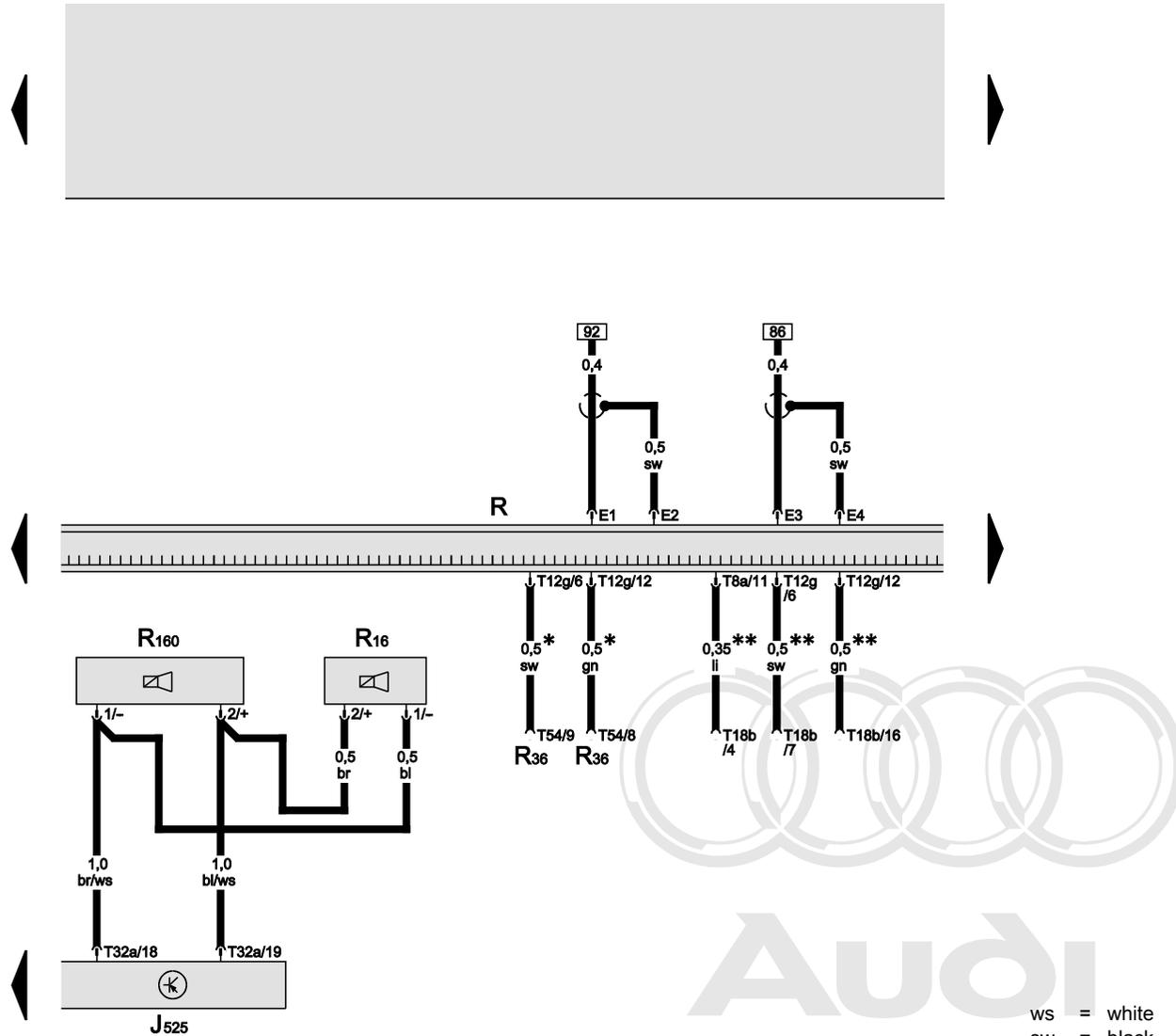
Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Bass Speaker, Left Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module



Radio, Digital Sound System Control Module, Right Rear Treble Speaker, Right Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R16 Right Rear Treble Speaker
- R36 Telephone Transceiver
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T32a 32-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- \* Models with cellular telephone preparation (9ZF)
- \*\* Models with cellular telephone preparation (9ZD)

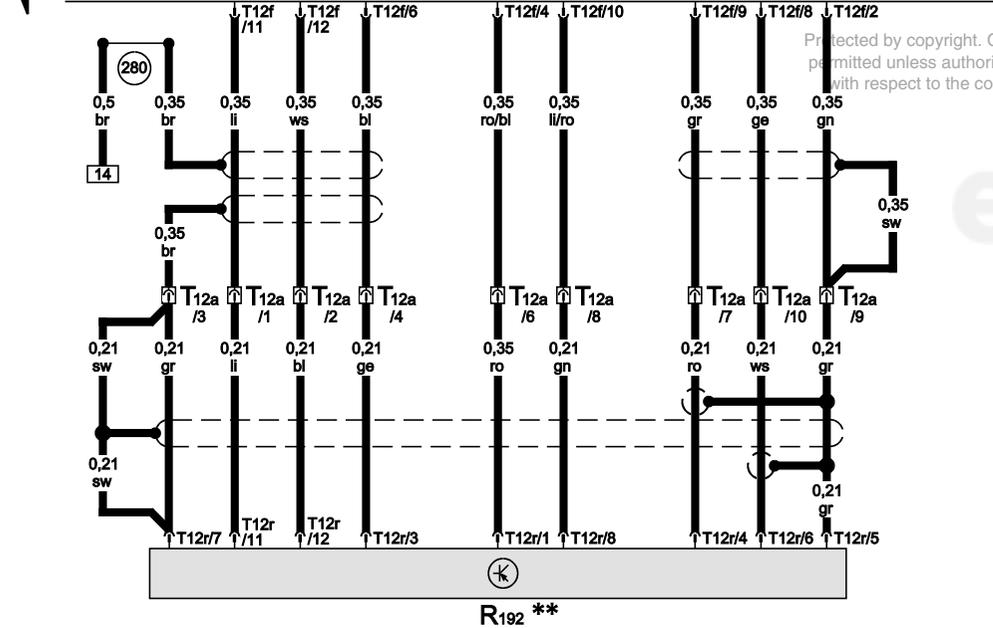
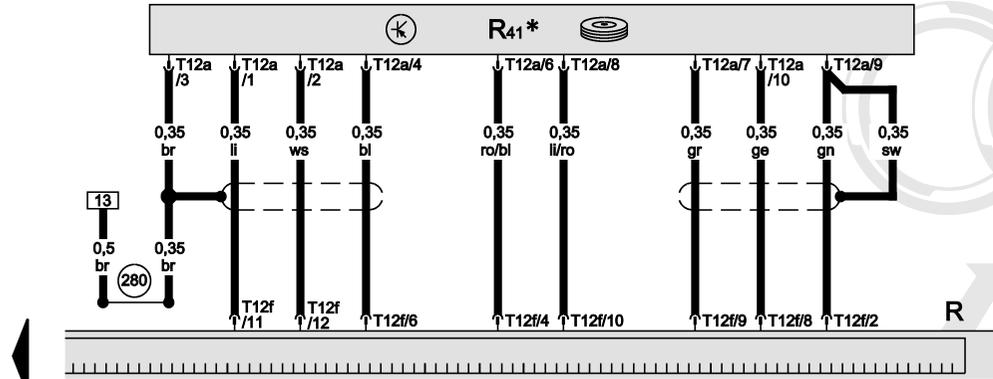
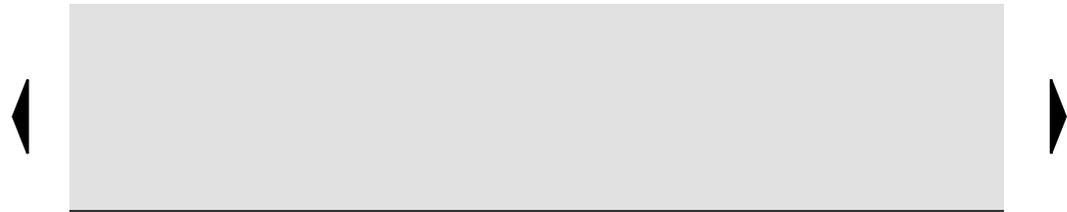


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate
- (280) Ground Connection (in communication wiring harness)
- \* Models with CD changer
- \*\* Models with iPod baseplate

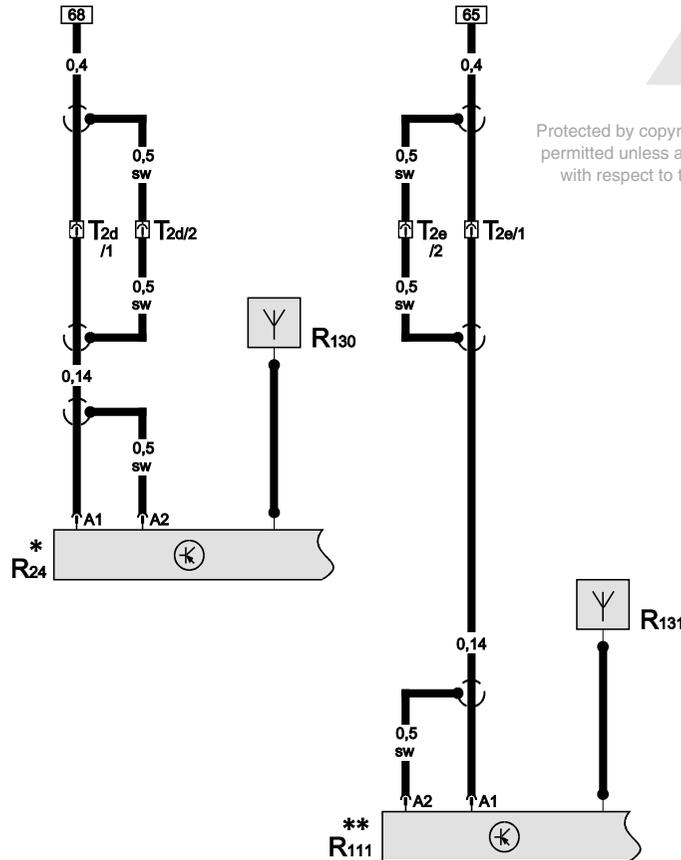


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Antenna Amplifier, Rear Window Antenna

- R24 Antenna Amplifier
- R111 Antenna Amplifier 2
- R130 Rear Window Antenna 1
- R131 Rear Window Antenna 2
- T2d Double Connector, white, on rear right roof frame
- T2e Double Connector, yellow, on rear right roof frame
- \* Upper right rear window
- \*\* Lower right rear window



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Radio with Soundsystem BOSE (8RY) Coupè

from model year 2007

### Note:

Information for

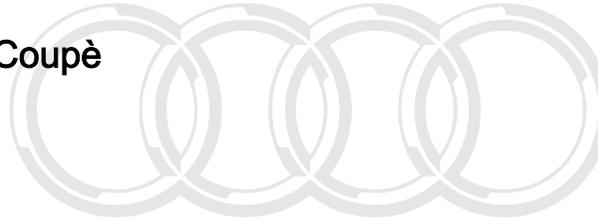
- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

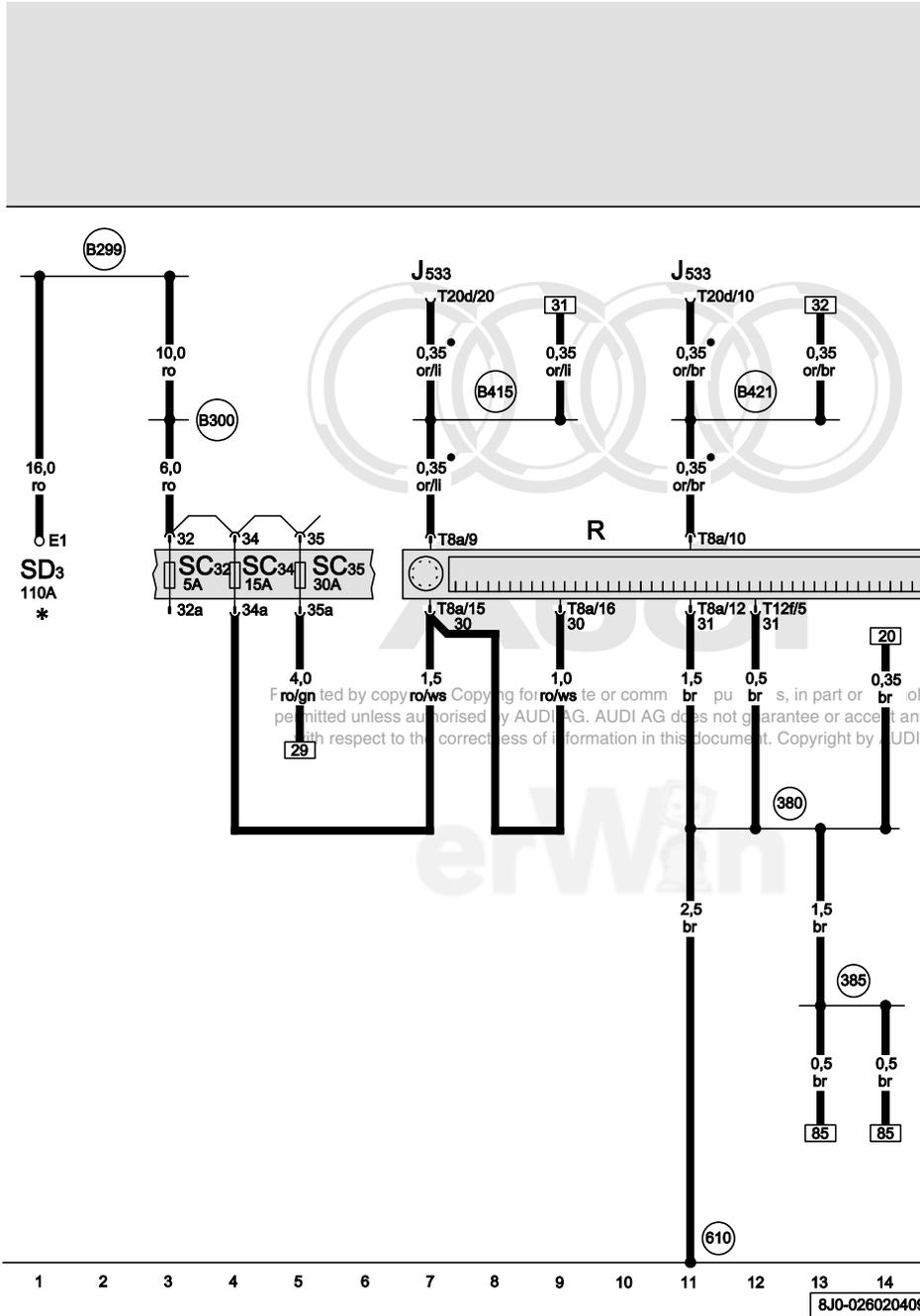
⇒ Guided Fault Finding using VAS 5051 / 5052



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- \* CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

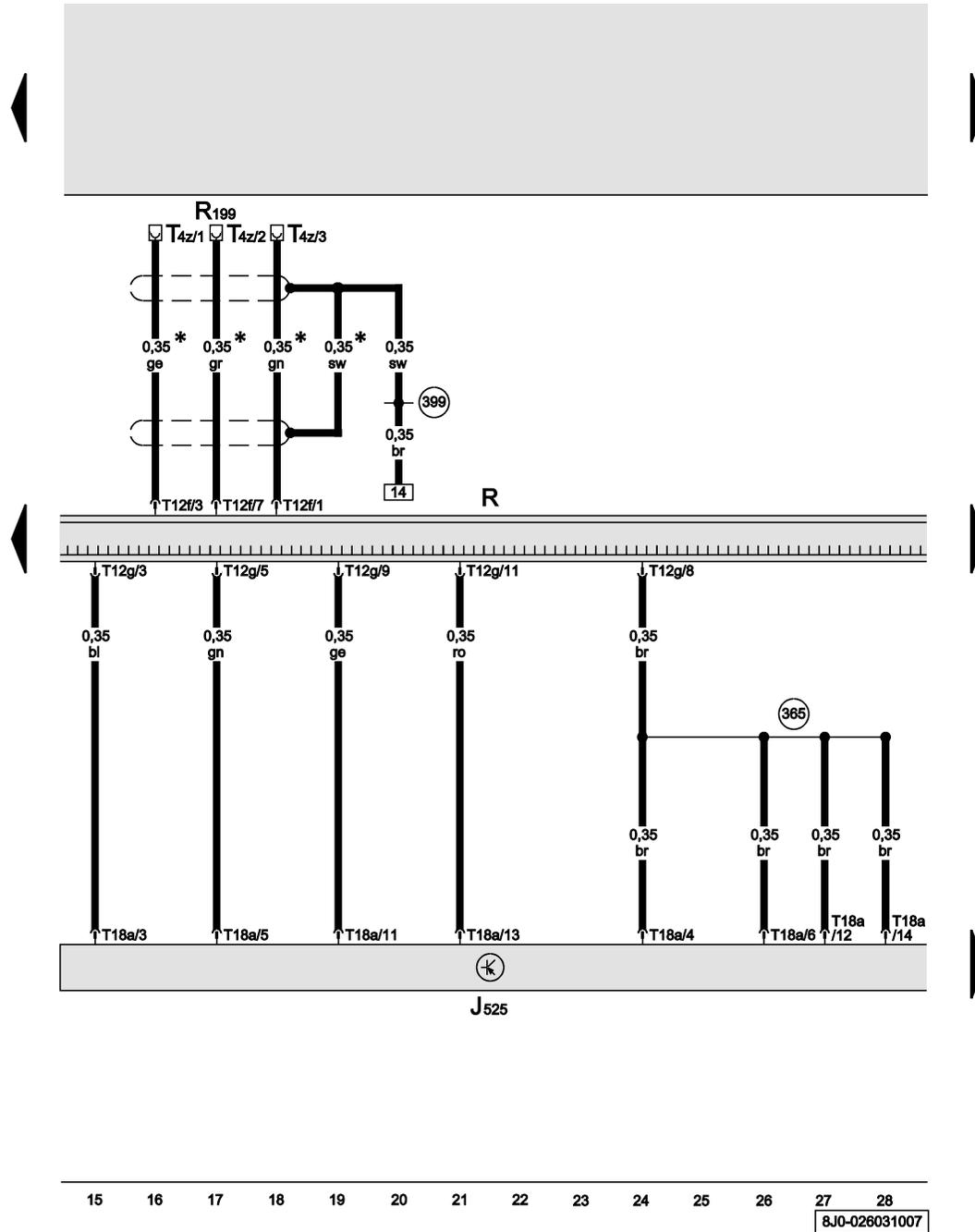
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-026020409

Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T18a 18-Pin Connector, black (Connector B), on digital sound system control module

- 365 Ground Connection 2 (low frequency), in instrument panel wiring harness
- 399 Ground Connection 34 (in main wiring harness)
- \* From November 2007



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



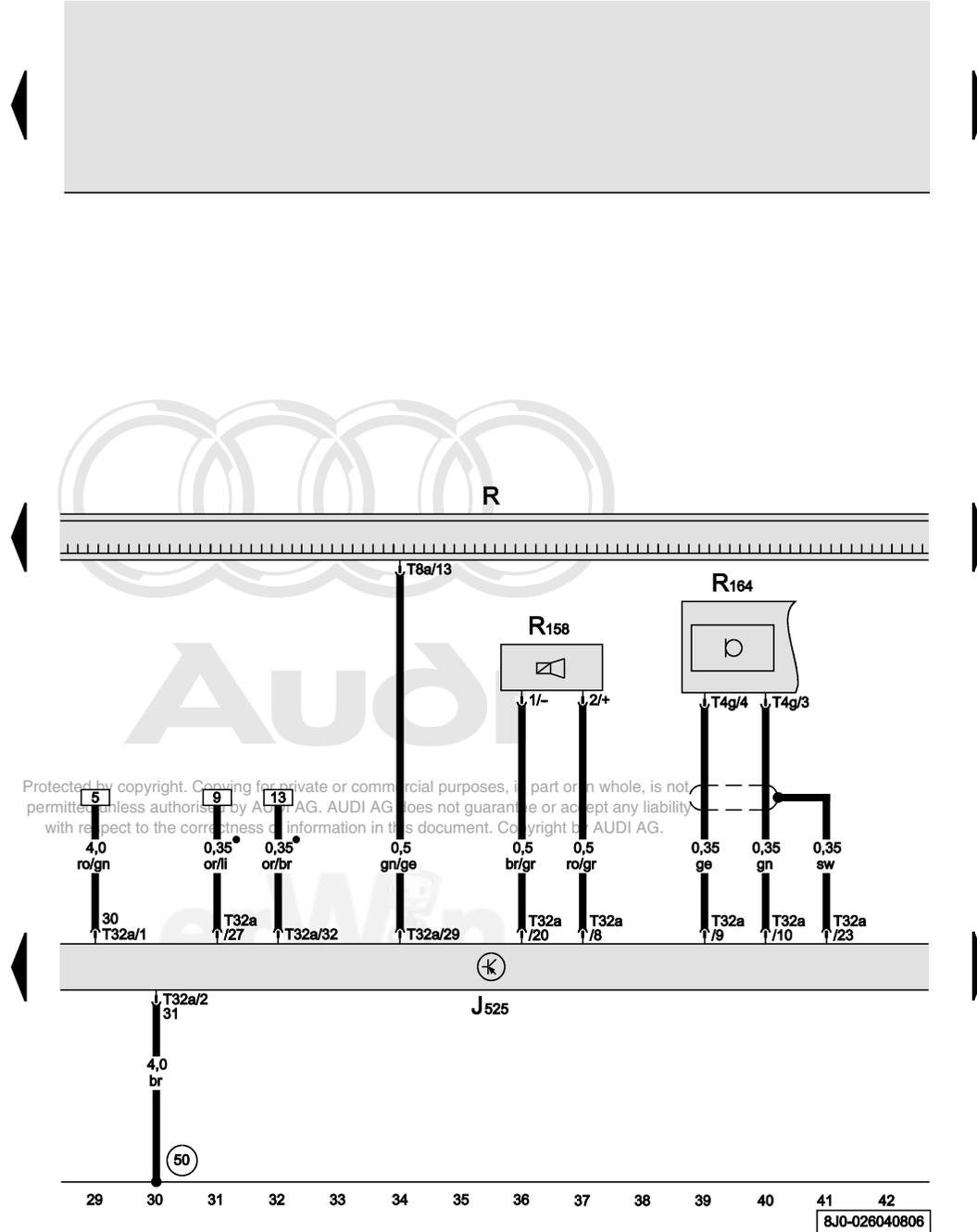
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Digital Sound System Control Module, Center Midrange Speaker, Microphone Unit (in front roof module)

- J525 Digital Sound System Control Module
- R Radio
- R158 Center Midrange Speaker
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T8a 8-Pin Connector, black, radio connector D
- T32a 32-Pin Connector, black, on digital sound system control module

50 Ground Connection (in luggage compartment, left)

- CAN-Bus (data wire)



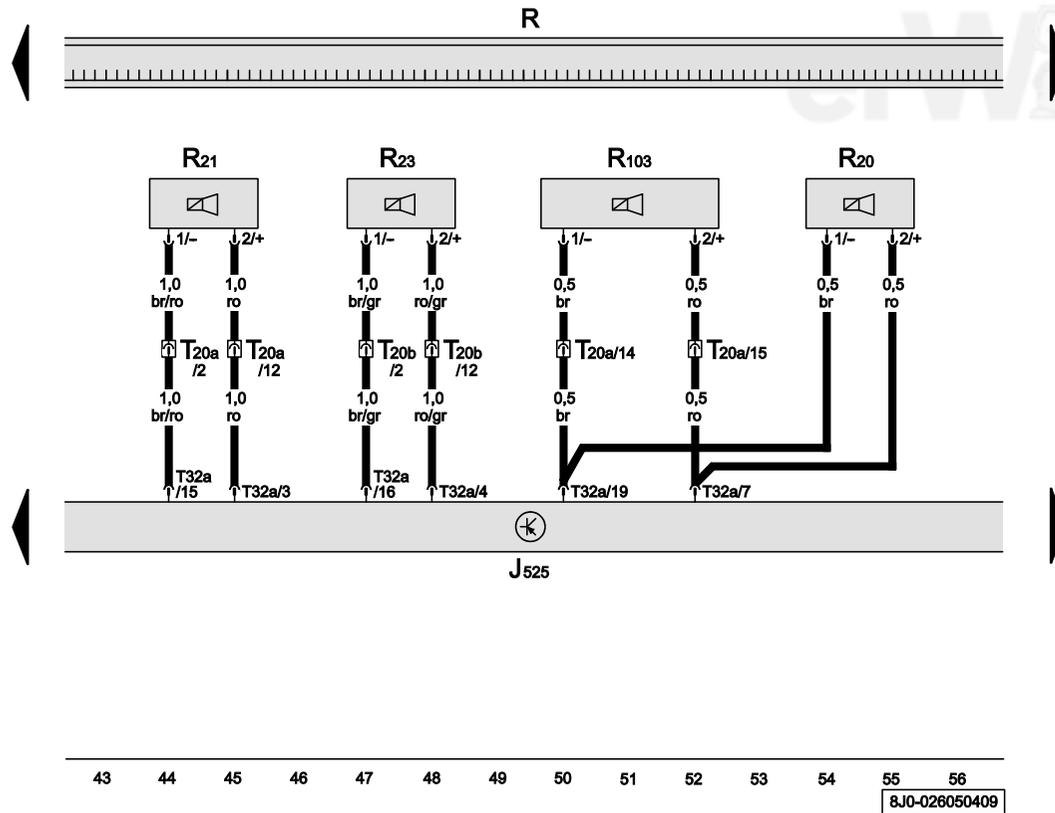
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-028040806

Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left and Right Front Bass Speaker, Left Front Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R23 Right Front Bass Speaker
- R103 Left Front Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



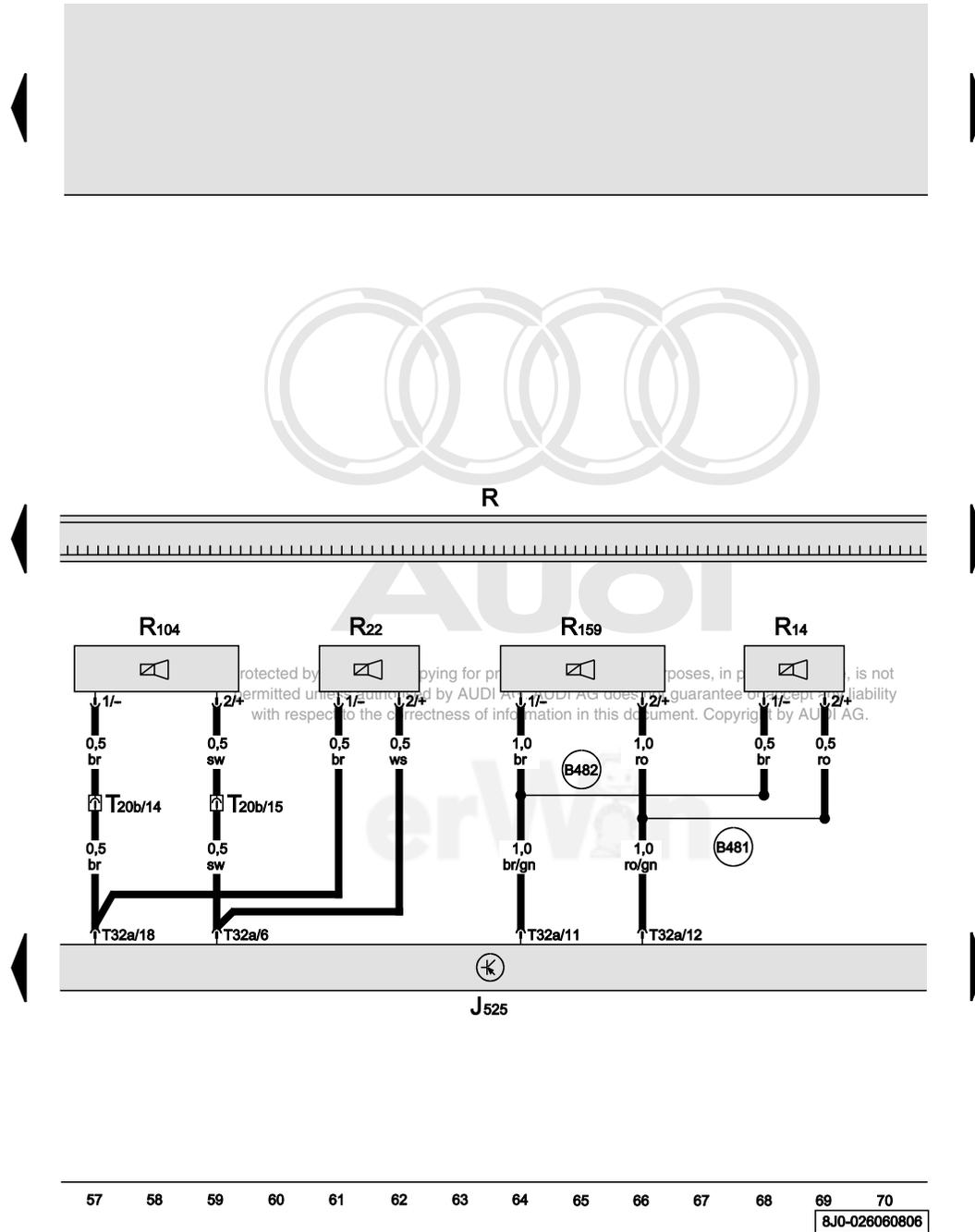
8J0-028050409

Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Midrange Speaker, Left Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R104 Right Front Midrange Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module

(B481) Connection 17 (in main wiring harness)

(B482) Connection 18 (in main wiring harness)



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

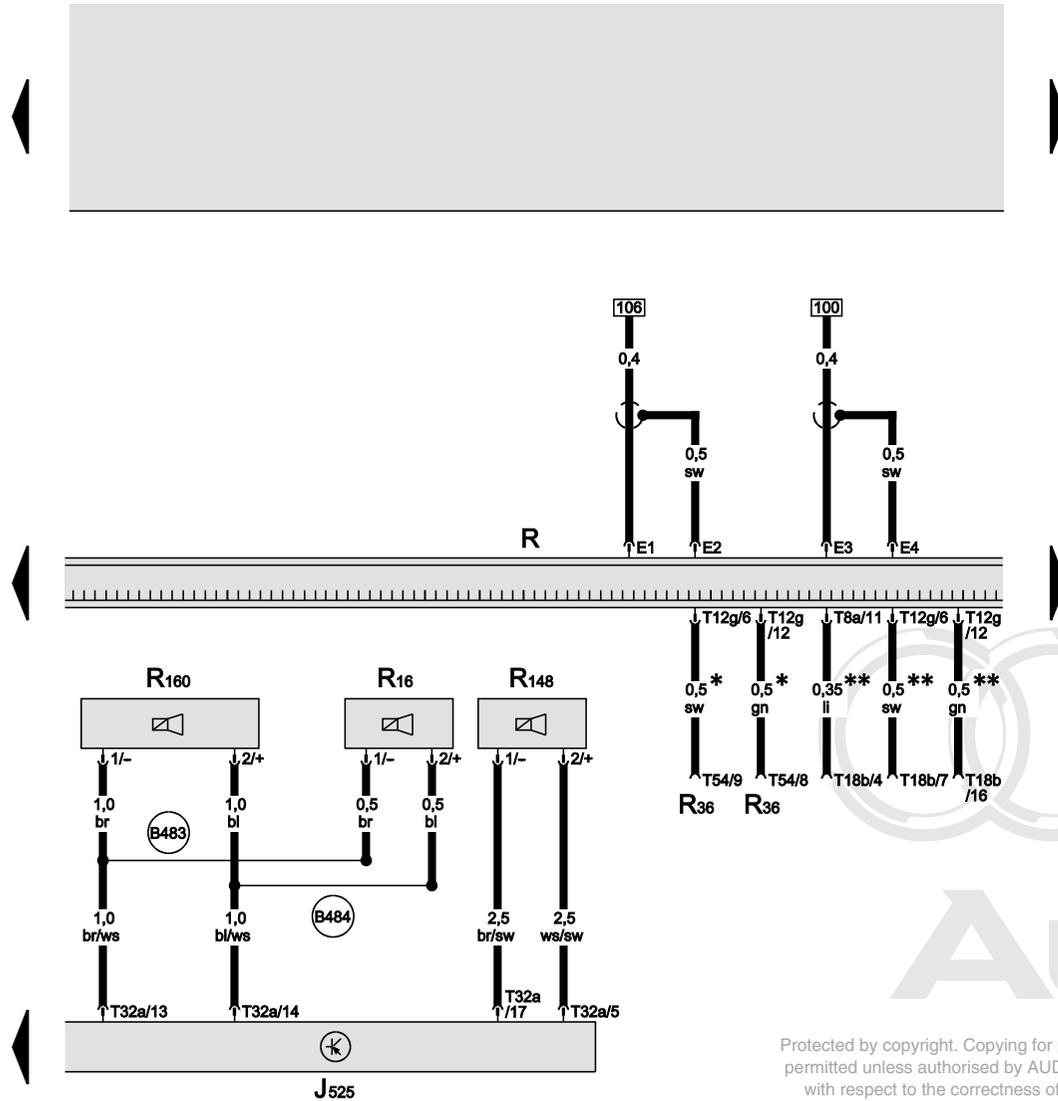
Radio, Digital Sound System Control Module, Right Rear Treble Speaker, Right Rear Mid/Low Range Speaker, Center Speaker

- J525 Digital Sound System Control Module
- R Radio
- R16 Right Rear Treble Speaker
- R36 Telephone Transceiver
- R148 Center Speaker
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T32a 32-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver

B483 Connection 19 (in main wiring harness)

B484 Connection 20 (in main wiring harness)

- \* Models with cellular telephone preparation (9ZF)
- \*\* Models with cellular telephone preparation (9ZD)

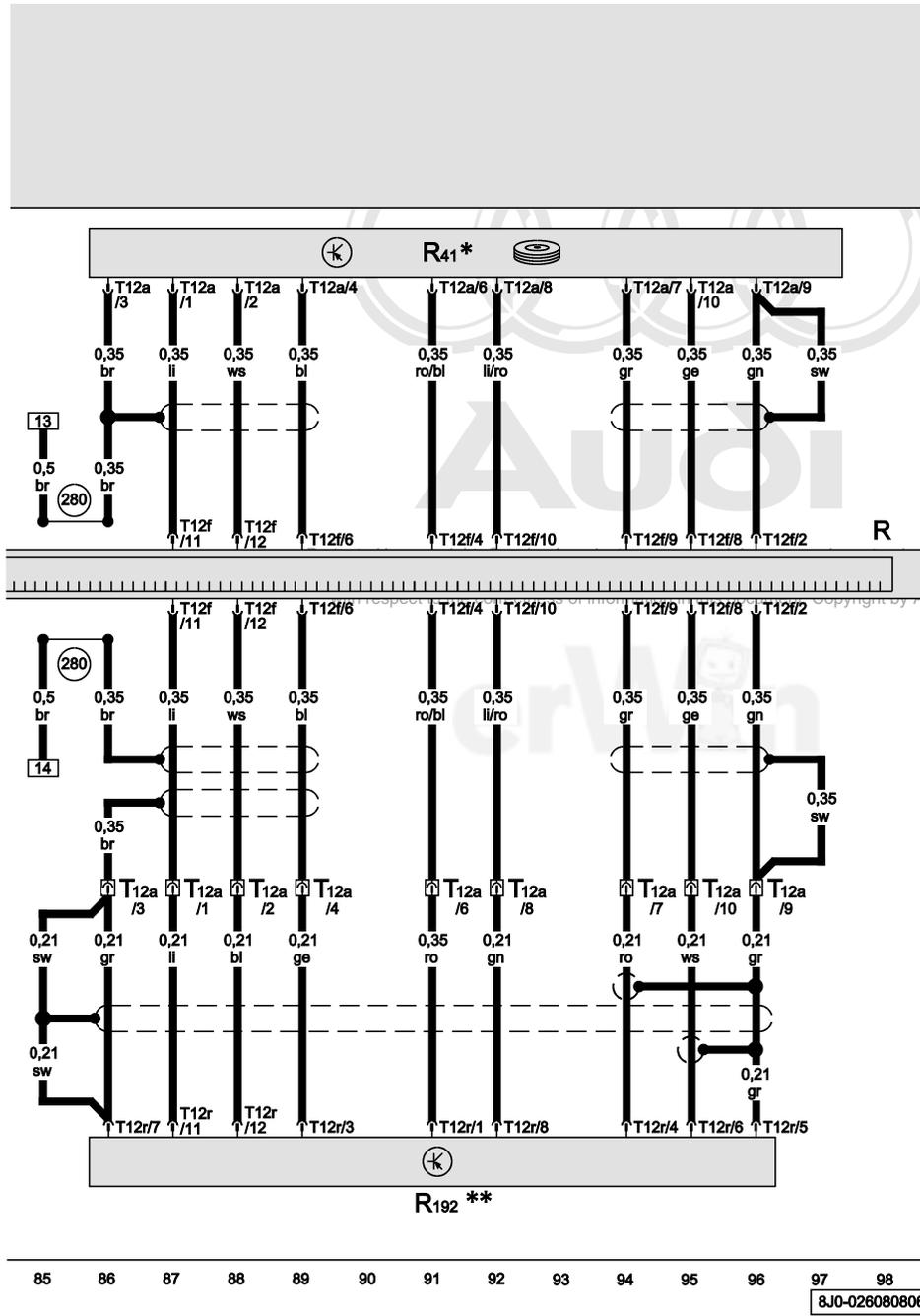


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate
- 280 Ground Connection (in communication wiring harness)
- \* Models with CD changer
- \*\* Models with iPod baseplate

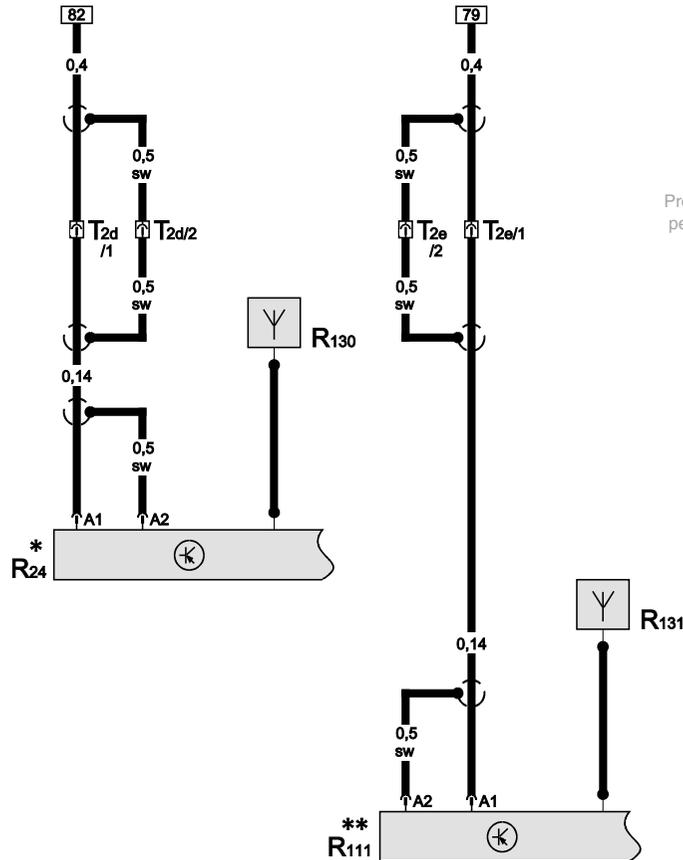


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-026080806

Antenna Amplifier, Rear Window Antenna

- R24 Antenna Amplifier
- R111 Antenna Amplifier 2
- R130 Rear Window Antenna 1
- R131 Rear Window Antenna 2
- T2d Double Connector, white, on rear right roof frame
- T2e Double Connector, yellow, on rear right roof frame
- \* Upper right rear window
- \*\* Lower right rear window



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Cellular Telephone Preparation (9ZF, 9ZG)

from model year 2007

### Note:

Information for

- ◆ Relay and fuse arrangements

- ◆ Connector arrangements

- ◆ Control Modules and Relays

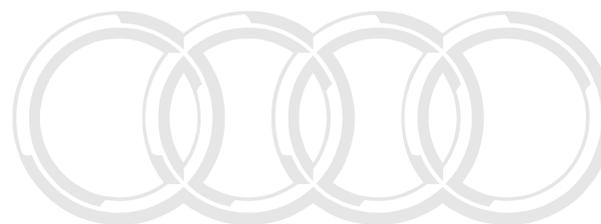
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

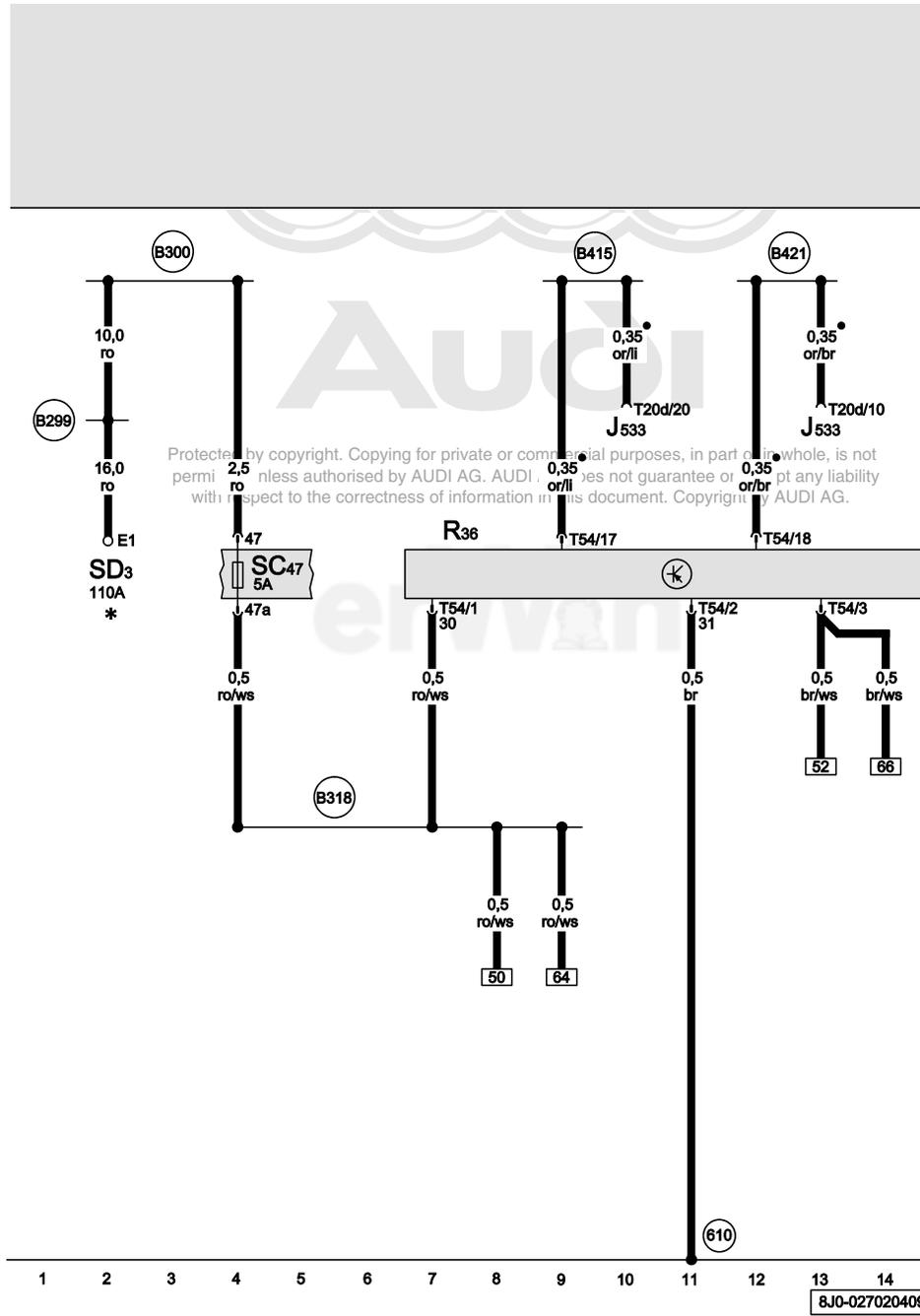
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Telephone Transceiver, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R36 Telephone Transceiver
- SC47 Fuse 47 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T54 54-Pin Connector (Connector A), on telephone transceiver

- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B318 Plus Connection 4 (30a) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
  - CAN-Bus (data wire)
  - \* Main fuse panel, in right rear luggage compartment on battery

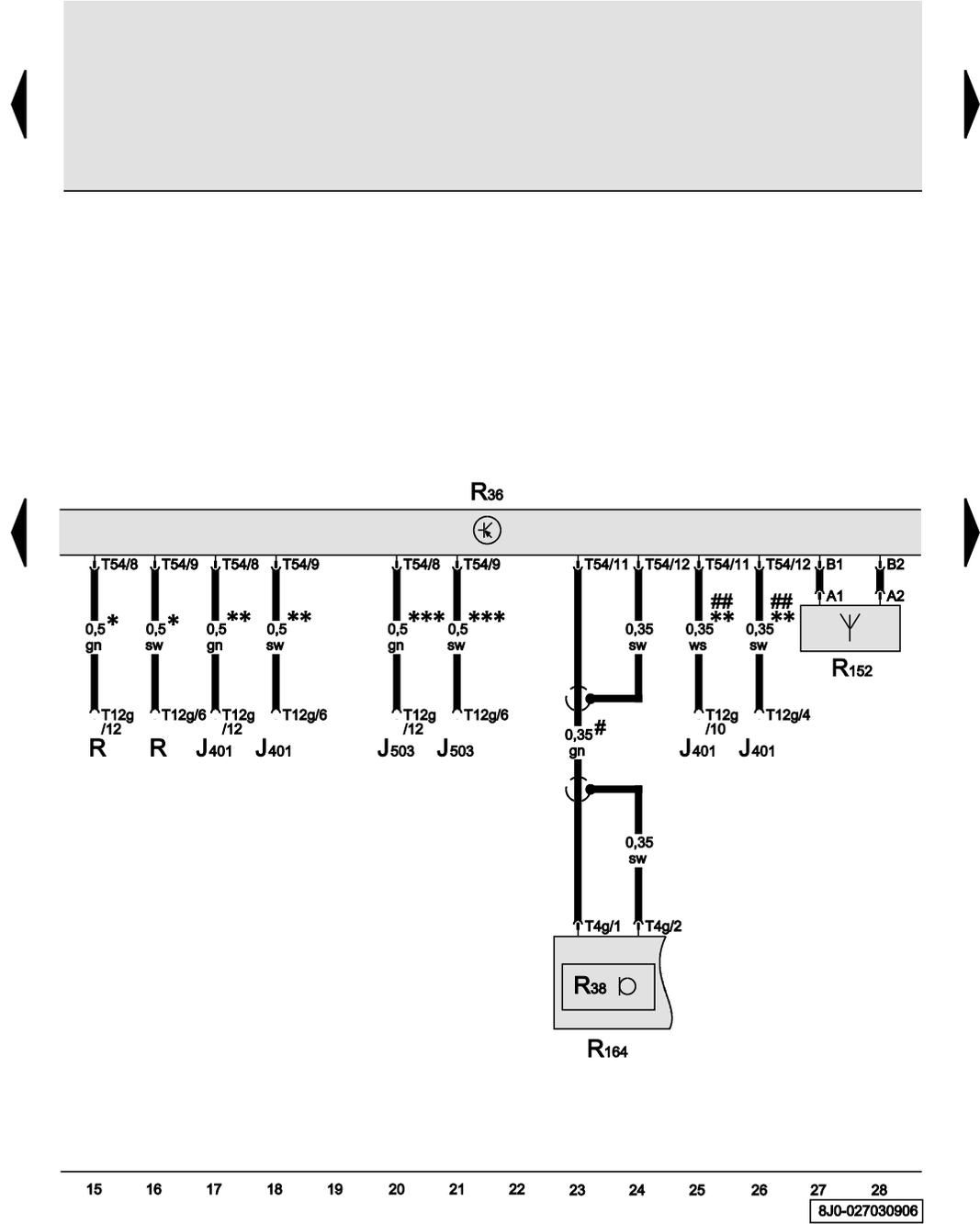


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-027020409

Telephone Transceiver, Bluetooth Antenna, Microphone Unit (in front roof module)

- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- R Radio
- R36 Telephone Transceiver
- R38 Telephone Microphone
- R152 Bluetooth Antenna
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T12g 12-Pin Connector, green, radio connector C
- T54 54-Pin Connector (Connector A), on telephone transceiver
- \* Models with radio
- \*\* Models with navigation system RNS-E (7Q2)
- \*\*\* Models with navigation system RNS-Low (7Q9)
- # Models without voice control
- ## Models with voice control

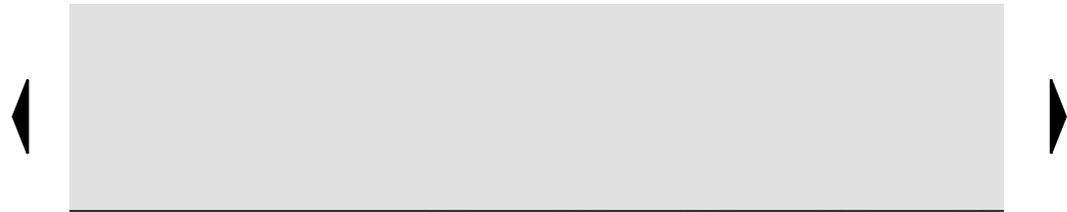


ws = white  
 sw = black  
 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 ge = yellow  
 or = orange  
 rs = pink

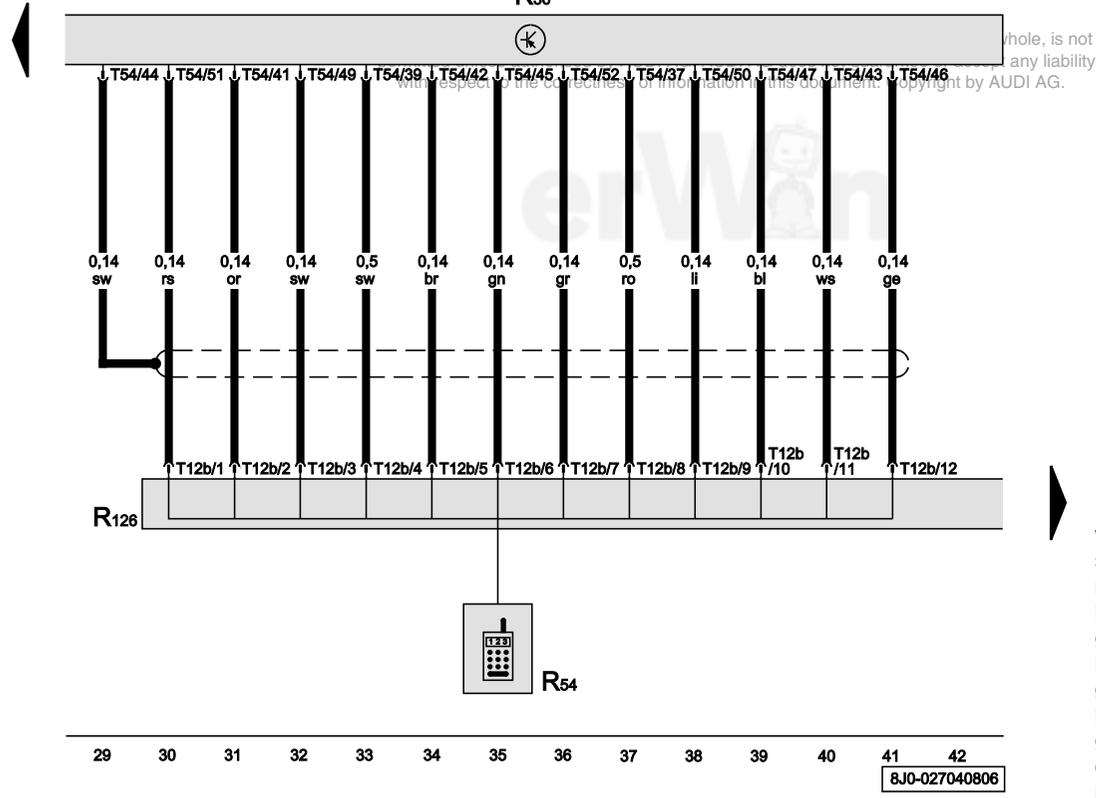
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability in respect of the correctness of information in this document. Copyright by AUDI AG.

Telephone Transceiver, Cellular Telephone, Telephone Baseplate

- R36 Telephone Transceiver
- R54 Cellular Telephone
- R126 Telephone Baseplate
- T12b 12-Pin Connector, black, on telephone baseplate
- T54 54-Pin Connector (Connector A), on telephone transceiver



Audi

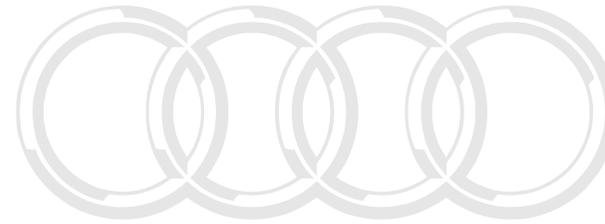
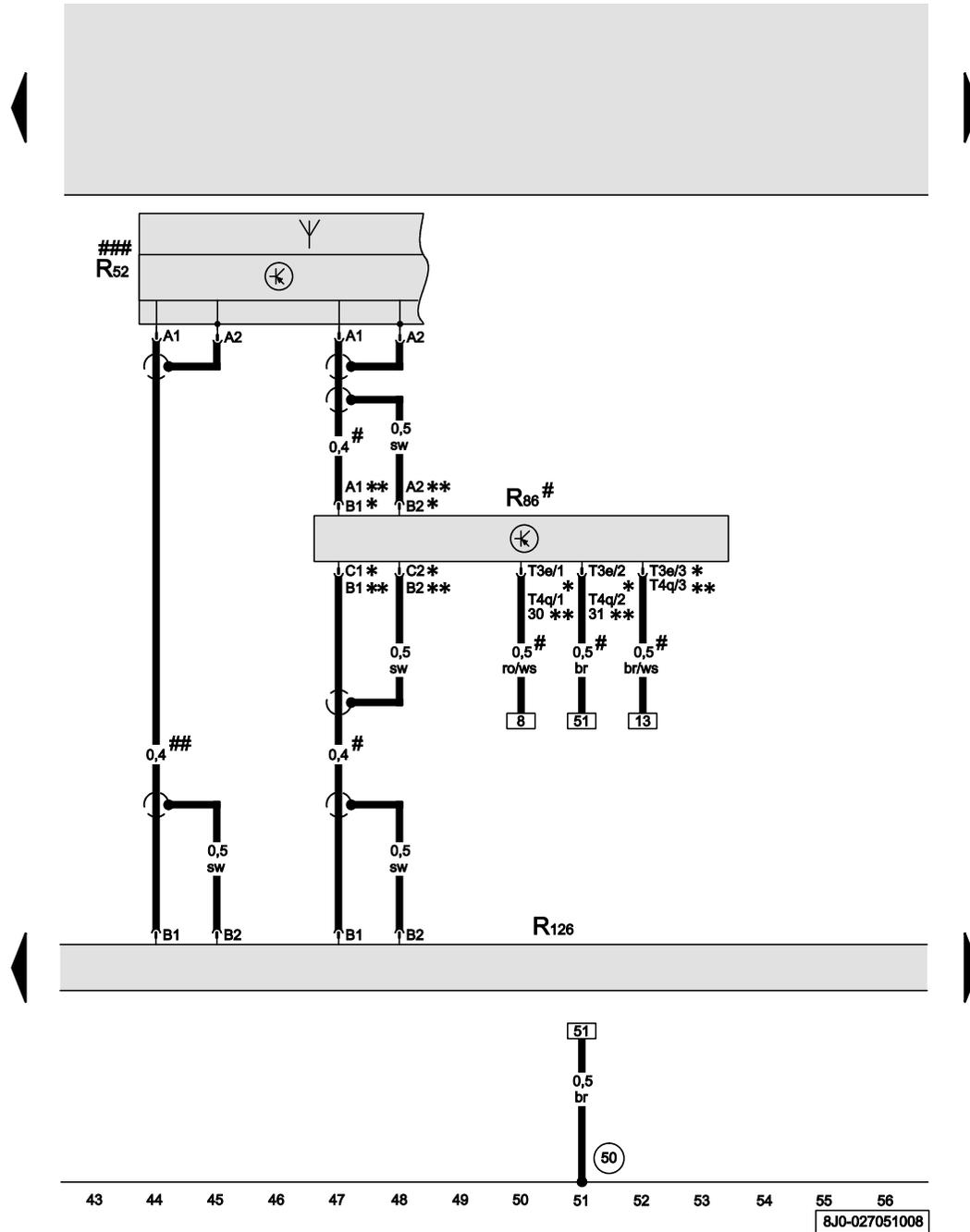


Coupè, Amplifier for Telephone, Telephone Baseplate, Antenna for Radio, Telephone, Navigation System

- R52 Antenna for Radio, Telephone, Navigation System
- R86 Amplifier for Telephone
- R126 Telephone Baseplate
- T3e 3-Pin Connector, black, on amplifier for telephone
- T4q 4-Pin Connector, black, on amplifier for telephone

50 Ground Connection (in luggage compartment, left)

- \* Through May 2008
- \*\* from June 2008
- # Not for USA
- ## Only USA, not applicable for USA from June 2008
- ### Roof Antenna



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Roadster, Amplifier for Telephone, Telephone Baseplate, Telephone Antenna

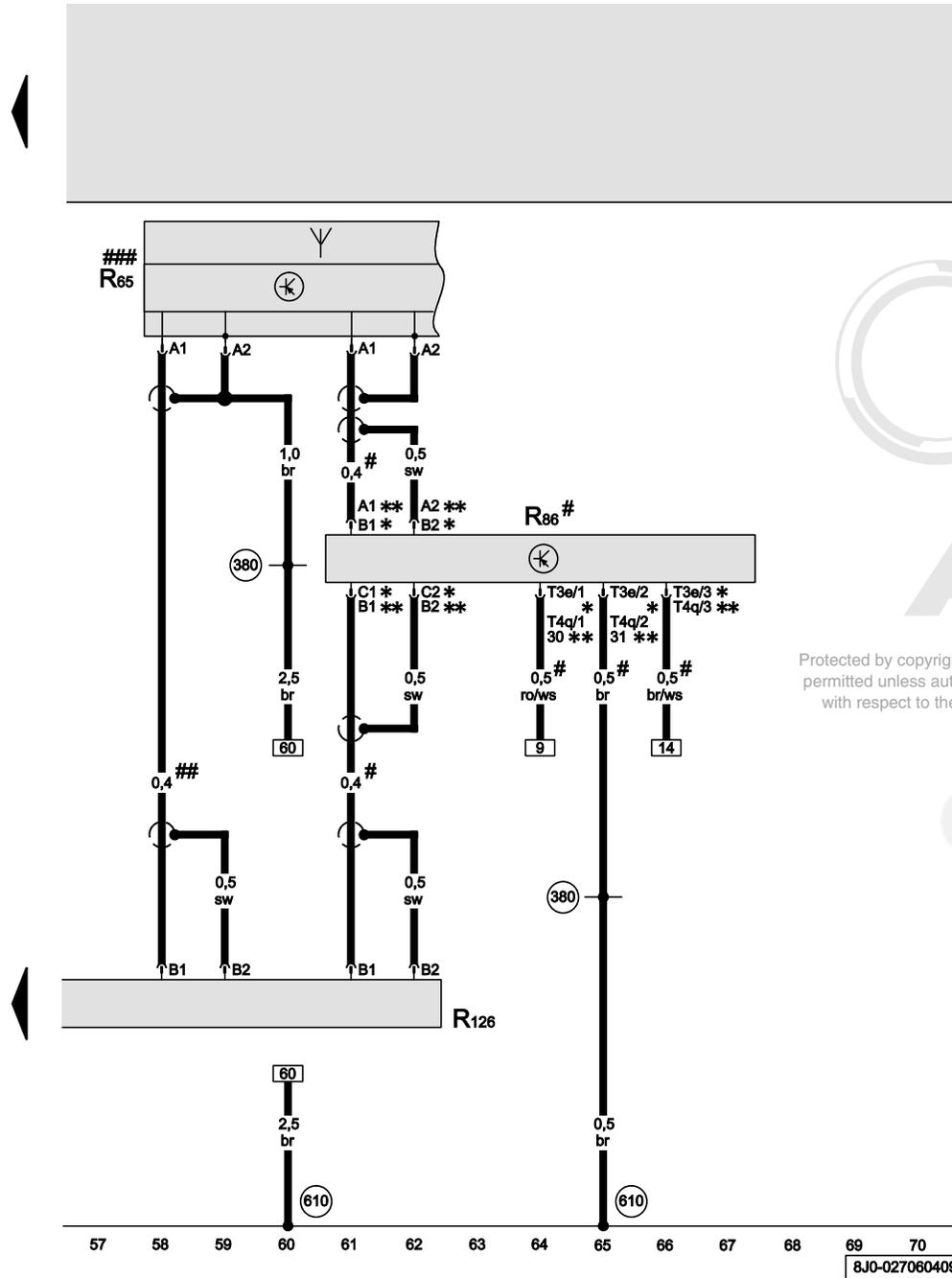
- R65 Telephone Antenna
- R86 Amplifier for Telephone
- R126 Telephone Baseplate
- T3e 3-Pin Connector, black, on amplifier for telephone
- T4q 4-Pin Connector, black, on amplifier for telephone

- 380 Ground Connection 15 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)

- \* Through May 2008
- \*\* from June 2008
- # Not for USA
- ## Only USA, not applicable for USA from June 2008
- ### Telephone antenna, center windshield

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



8J0-027060409

## Navigation System RNS-Low (7Q9)

from model year 2007

### Note:

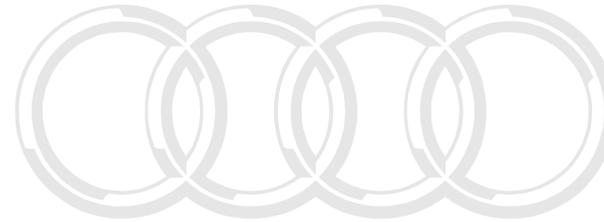
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

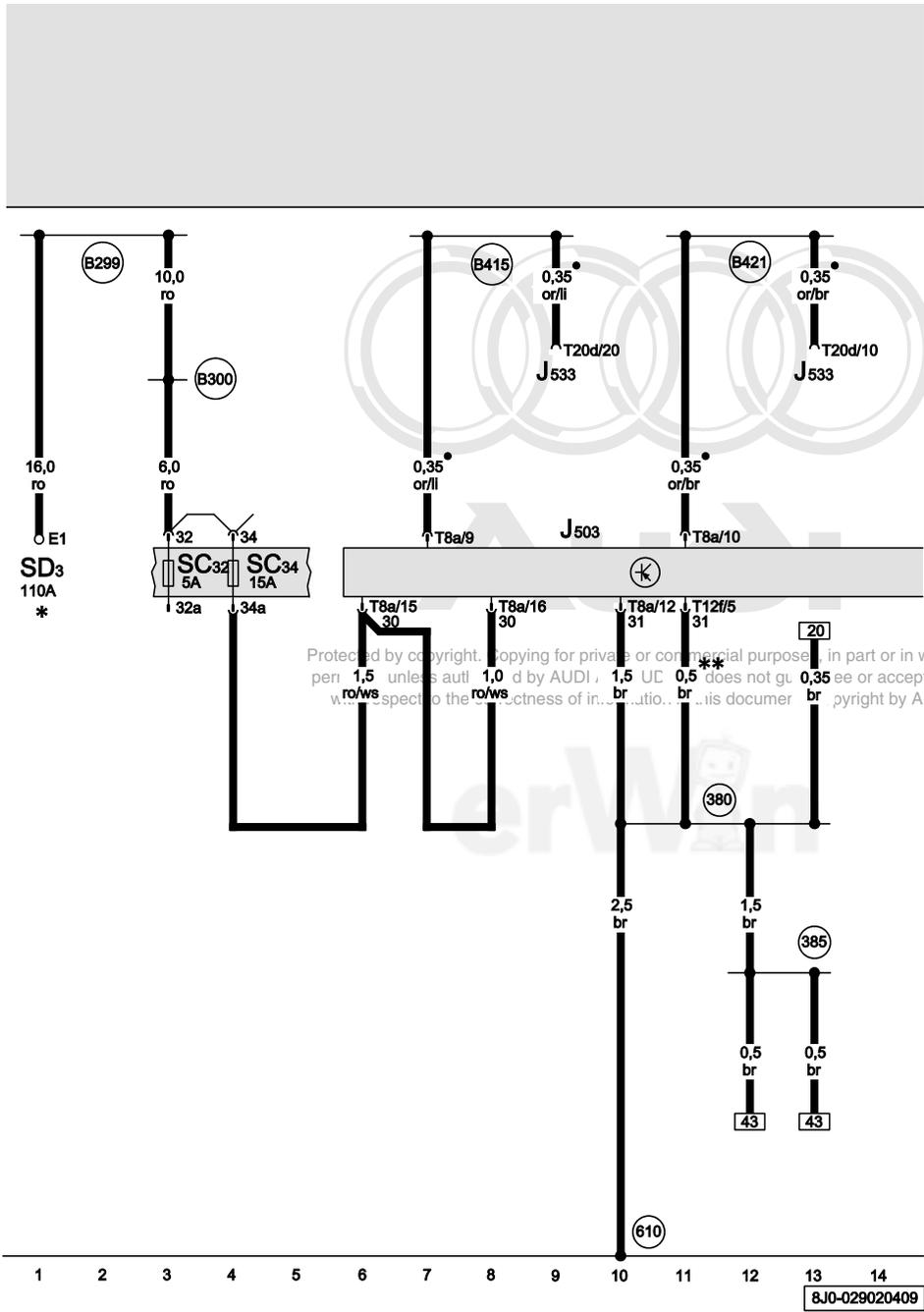
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Radio/Navigation Display Control Module, Fuses

- J503 Radio/Navigation Display Control Module
- J533 Data Bus On Board Diagnostic Interface
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
  - CAN-Bus (data wire)
  - \* Main fuse panel, in right rear luggage compartment on battery
  - \*\* Models with radio soundsystem BOSE (8RY)



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

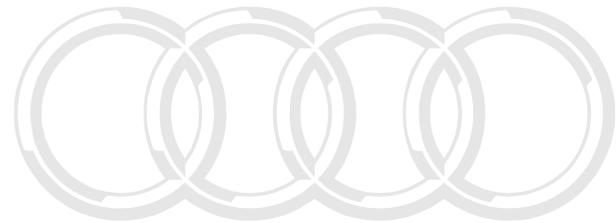
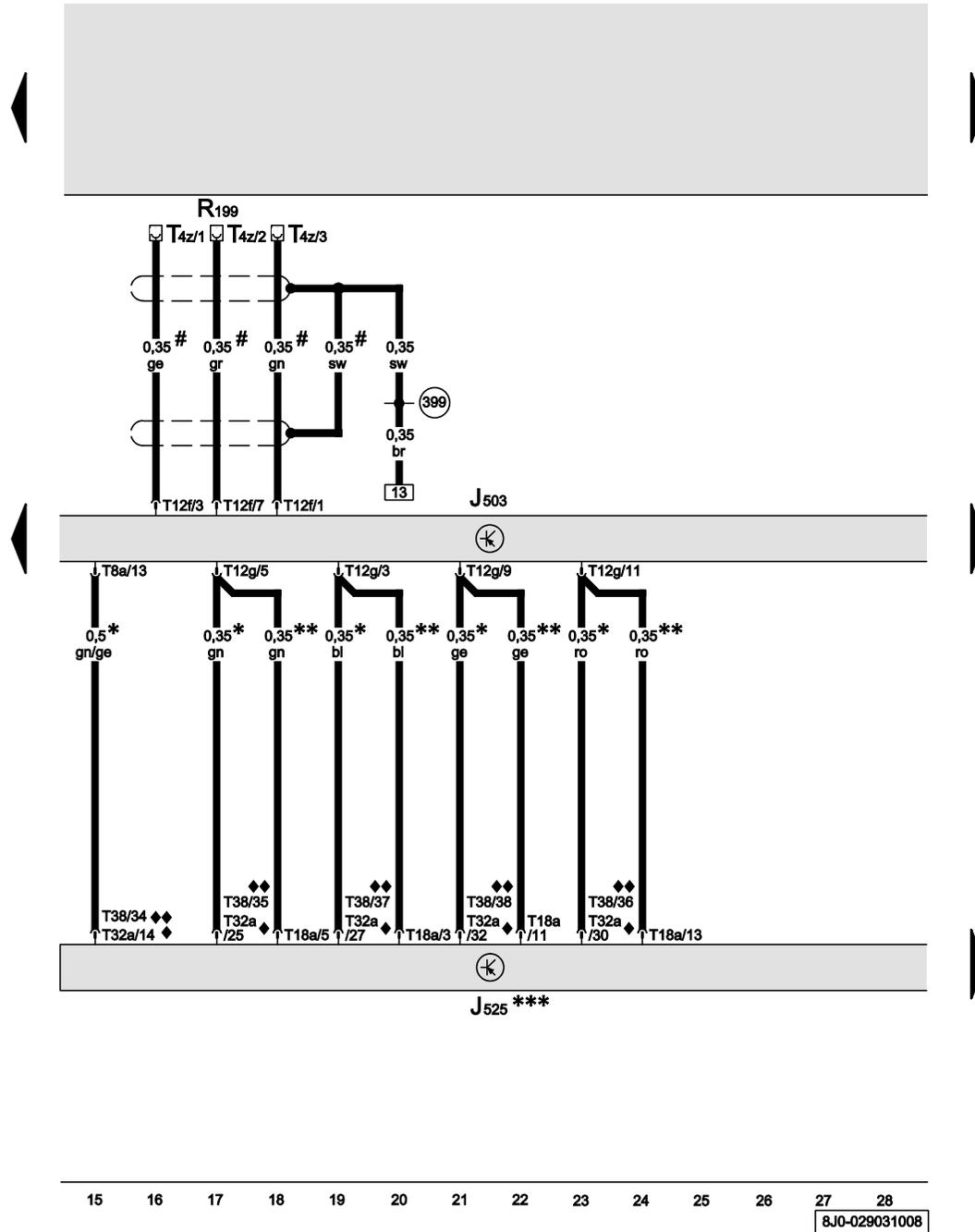
8J0-029020409

Radio/Navigation Display Control Module, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T18a 18-Pin Connector, black (Connector B), on digital sound system control module
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module

399 Ground Connection 34 (in main wiring harness)

- \* Models with radio standard soundsystem (9VD)
- \*\* Models with radio soundsystem BOSE (8RY)
- \*\*\* Speakers → Wiring Diagram RNS-E (7Q2)
- # From November 2007
- ◆ Through January 2009
- ◆◆ From February 2009



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



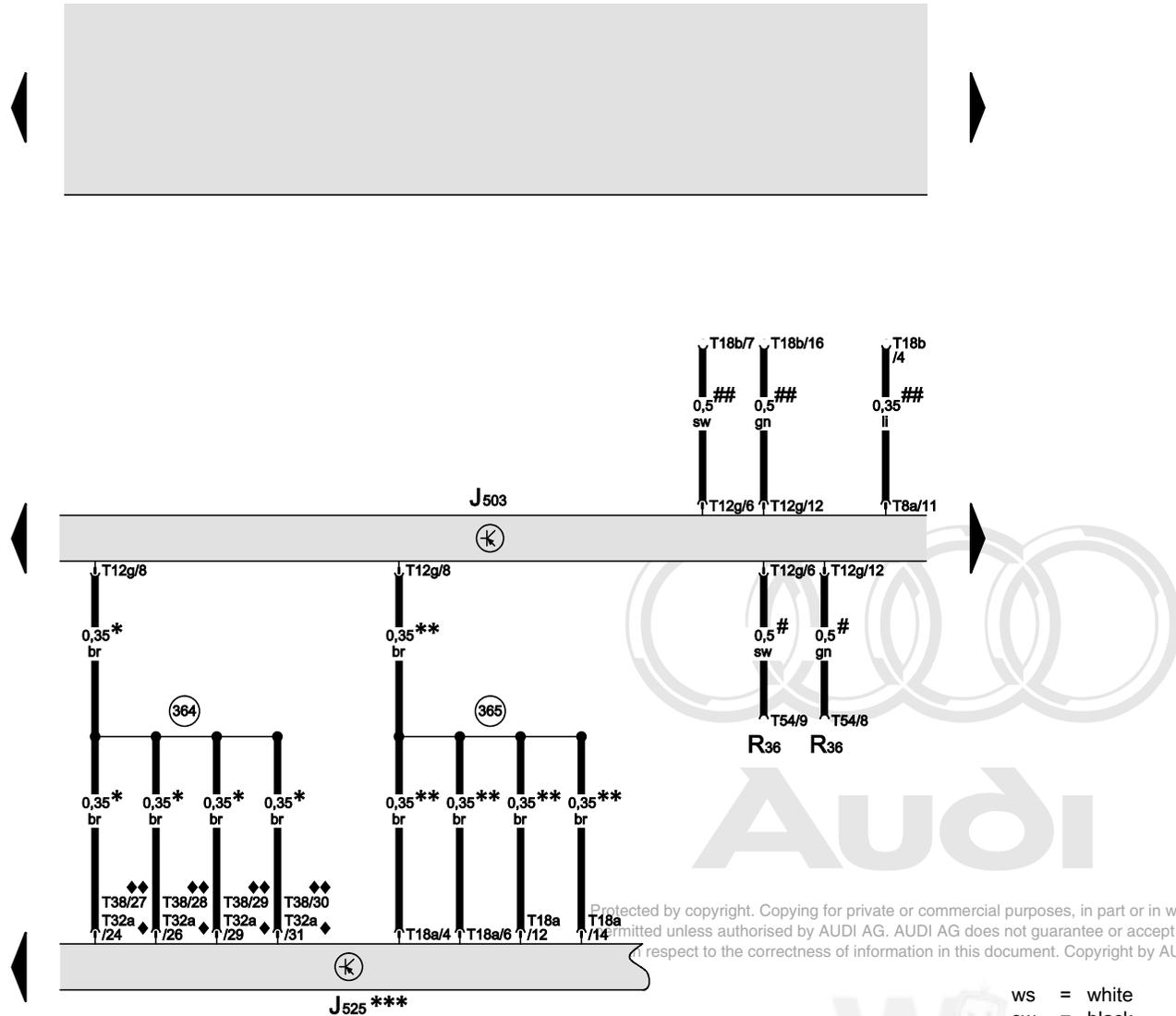
Radio/Navigation Display Control Module, Digital Sound System Control Module

- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- R36 Telephone Transceiver
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18a 18-Pin Connector, black (Connector B), on digital sound system control module
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver

364 Ground Connection 1 (low frequency), in instrument panel wiring harness

365 Ground Connection 2 (low frequency), in instrument panel wiring harness

- \* Models with radio standard soundsystem (9VD)
- \*\* Models with radio soundsystem BOSE (8RY)
- \*\*\* Speakers ⇒ Wiring Diagram RNS-E (7Q2)
- # Models with cellular telephone preparation (9ZF)
- ## Models with cellular telephone preparation (9ZD)
- ◆ Through January 2009
- ◆◆ From February 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability respect to the correctness of information in this document. Copyright by AUDI AG.

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

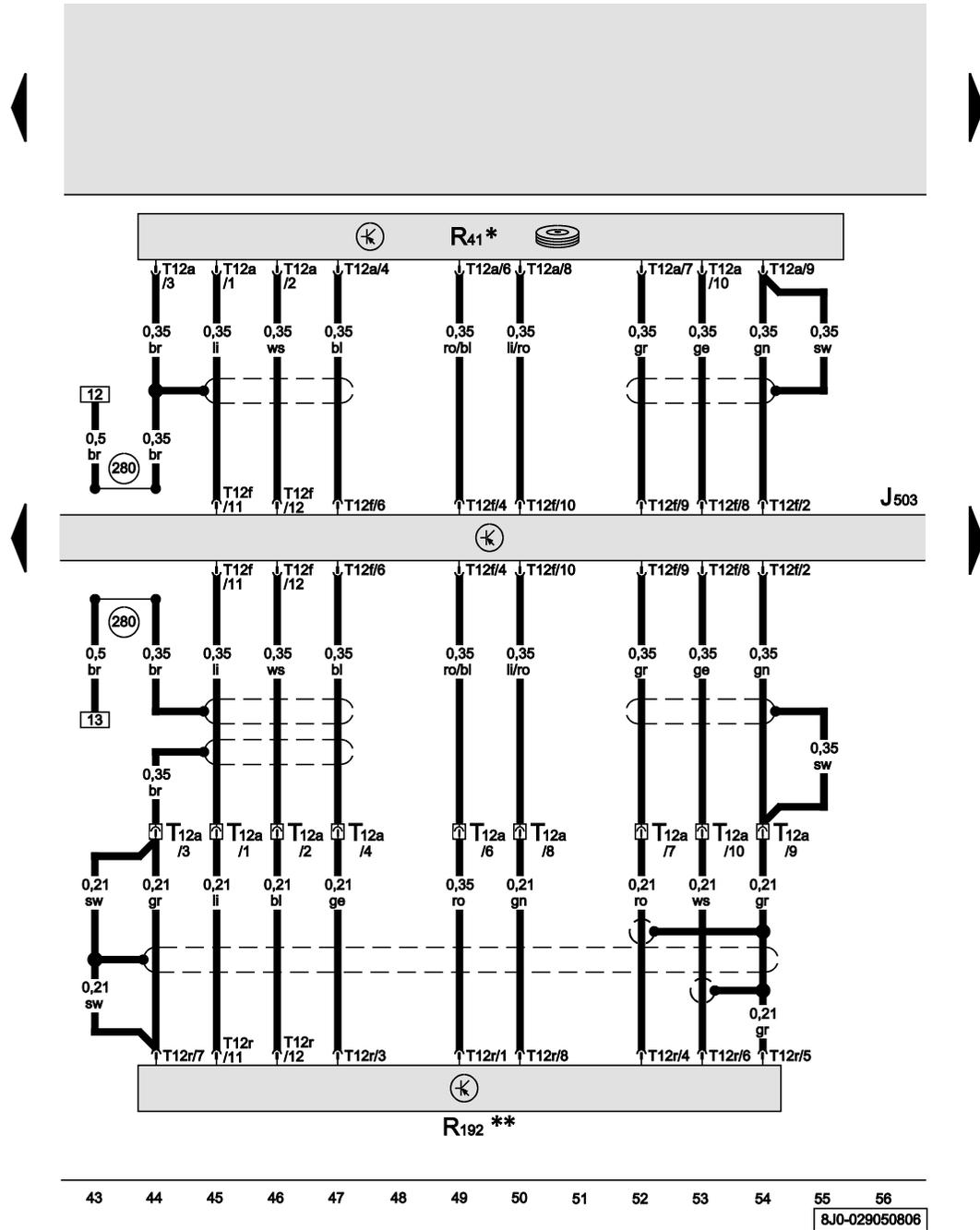
Radio/Navigation Display Control Module, CD Changer, iPod Baseplate

- J503 Radio/Navigation Display Control Module
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate

280 Ground Connection (in communication wiring harness)

- \* Models with CD changer
- \*\* Models with iPod baseplate

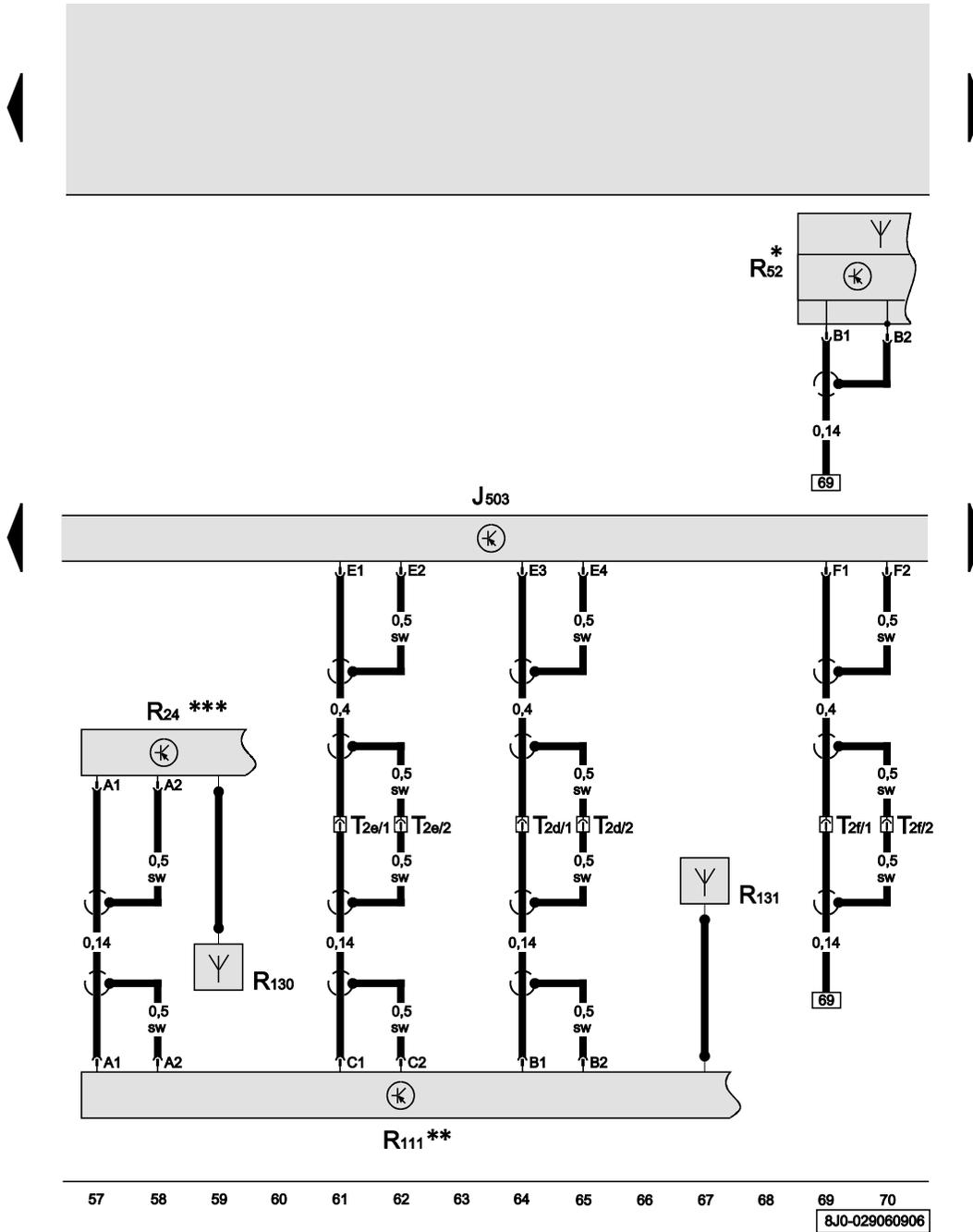
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Coupè, Radio/Navigation Display Control Module, Antenna Amplifier, Rear Window Antenna, Antenna for Radio, Telephone, Navigation System

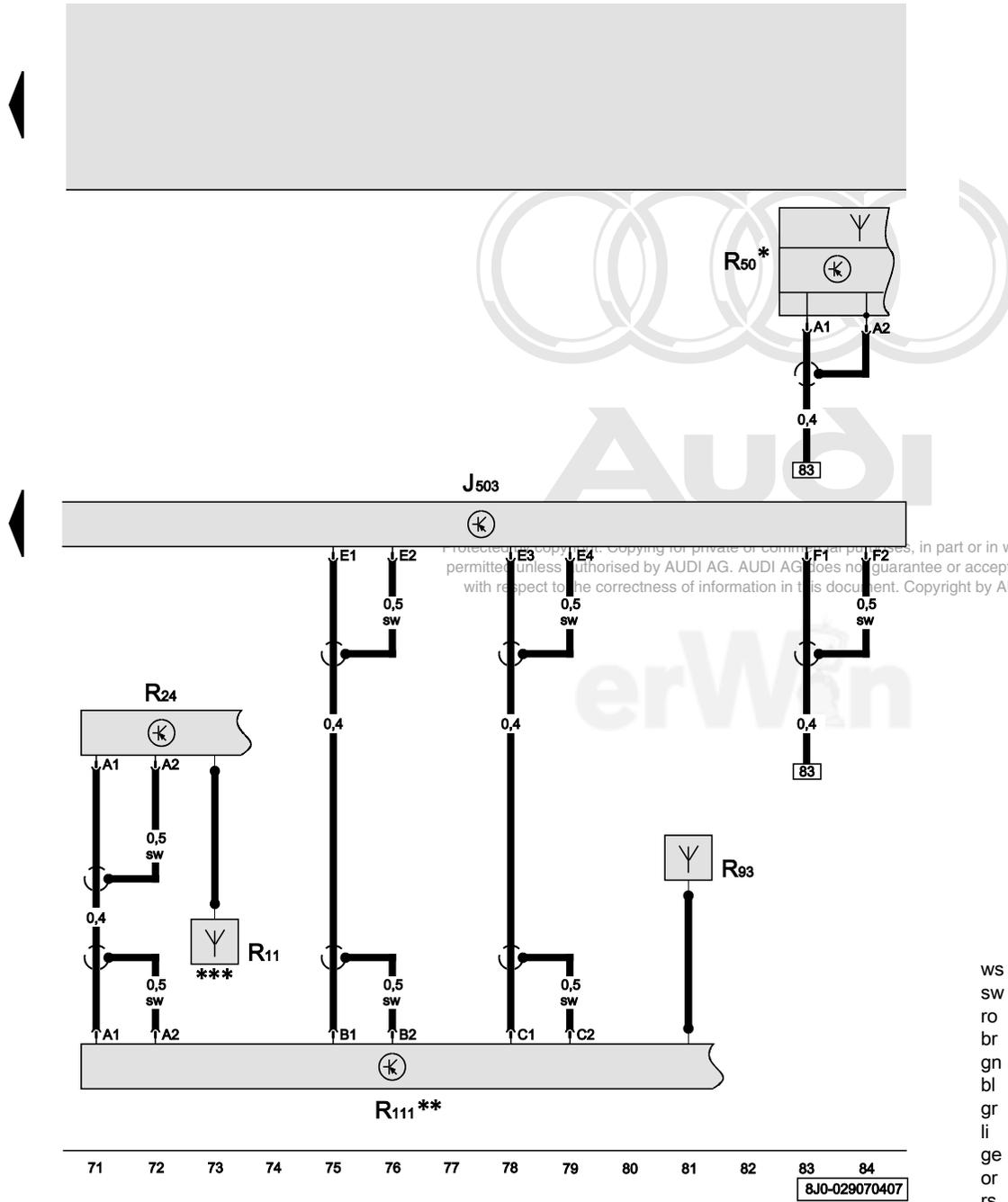
- J503 Radio/Navigation Display Control Module
- R24 Antenna Amplifier
- R52 Antenna for Radio, Telephone, Navigation System
- R111 Antenna Amplifier 2
- R130 Rear Window Antenna 1
- R131 Rear Window Antenna 2
- T2d Double Connector, white, on rear right roof frame
- T2e Double Connector, yellow, on rear right roof frame
- T2f Double Connector, blue, on rear right roof frame
- \* Roof Antenna
- \*\* Lower right rear window
- \*\*\* Upper right rear window



- ws = white
  - sw = black
  - ro = red
  - br = brown
  - gn = green
  - bl = blue
  - gr = grey
  - li = lilac
  - ge = yellow
  - or = orange
  - rs = pink
- Copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the express authorisation of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Roadster, Radio/Navigation Display Control Module, Antenna Amplifier, Navigation System Antenna

- J503 Radio/Navigation Display Control Module
- R11 Antenna
- R24 Antenna Amplifier
- R50 Navigation System Antenna
- R93 Radio Antenna 2
- R111 Antenna Amplifier 2
- \* Center windshield
- \*\* Right rear
- \*\*\* Rear left rod antenna



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-029070407

## Communication USA

- ⇒ Navigation System RNS-E (7Q2)
- ⇒ Radio Standard Soundsystem (9VD)
- ⇒ Radio BOSE Soundsystem (8RY)
- ⇒ CD Changer (7A2)
- ⇒ iPod Baseplate (UF1)
- ⇒ AMI - Audi Music Interface (UF7)
- ⇒ Satellite Radio

from model year 2007

### Note:

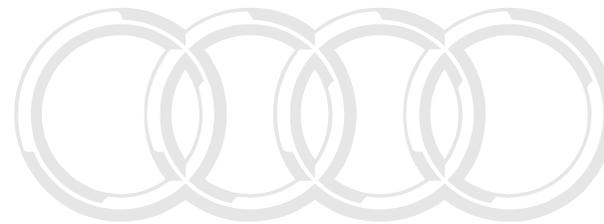
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

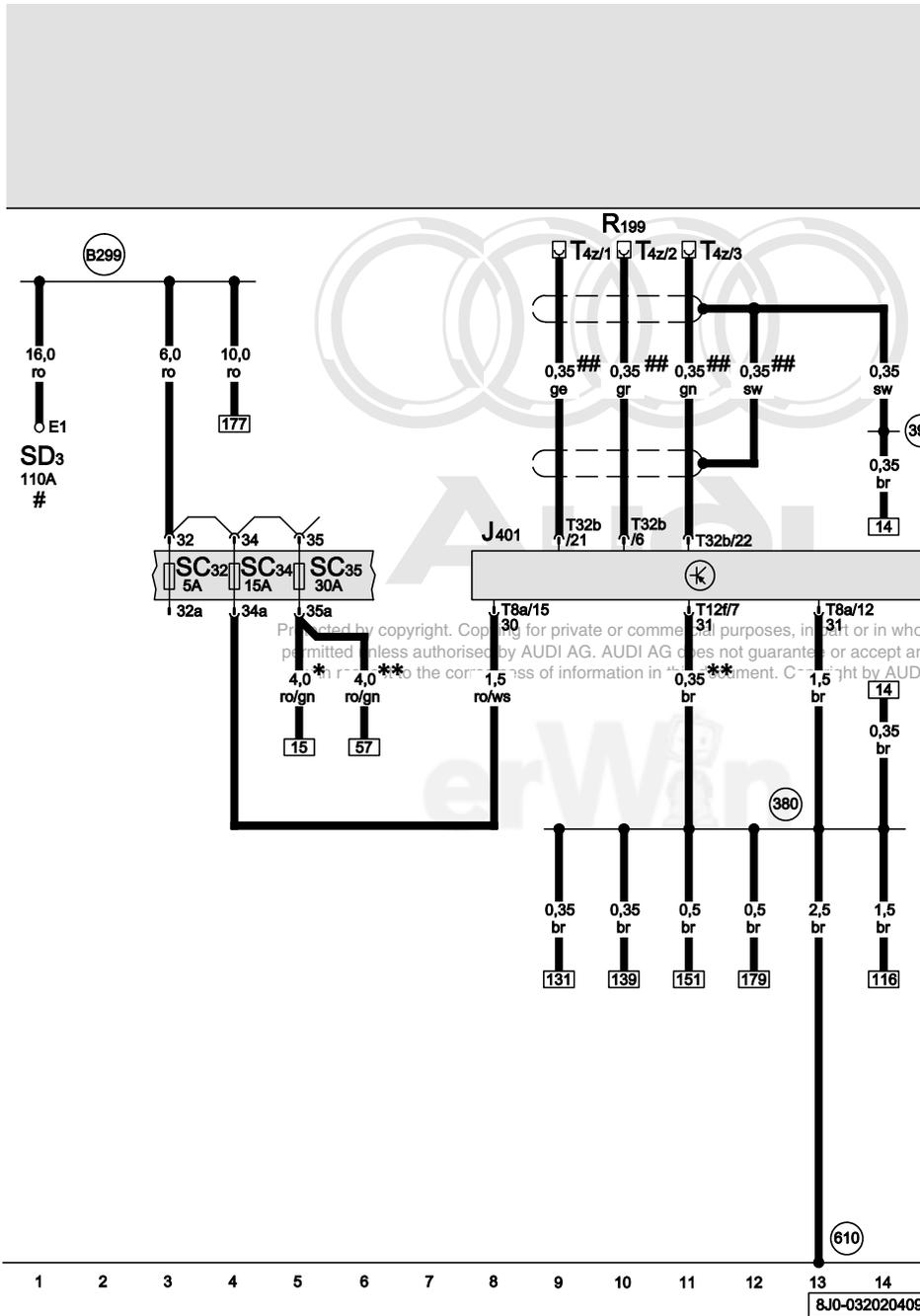
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Navigation System Control Module with CD Drive, External Audio Source Connector (AUX-IN), Fuses

- J401 Navigation System Control Module with CD Drive
- R199 External Audio Source Connector
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T32b 32-Pin Connector (Connector E), on navigation system control module with CD drive

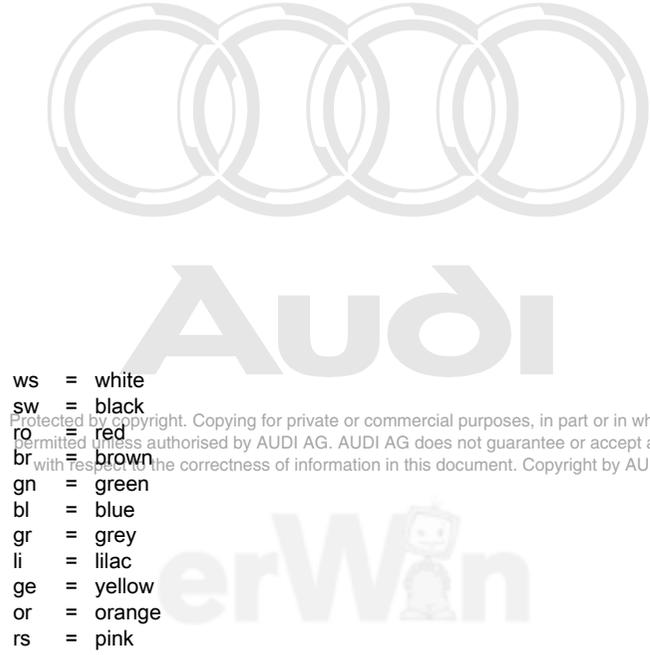
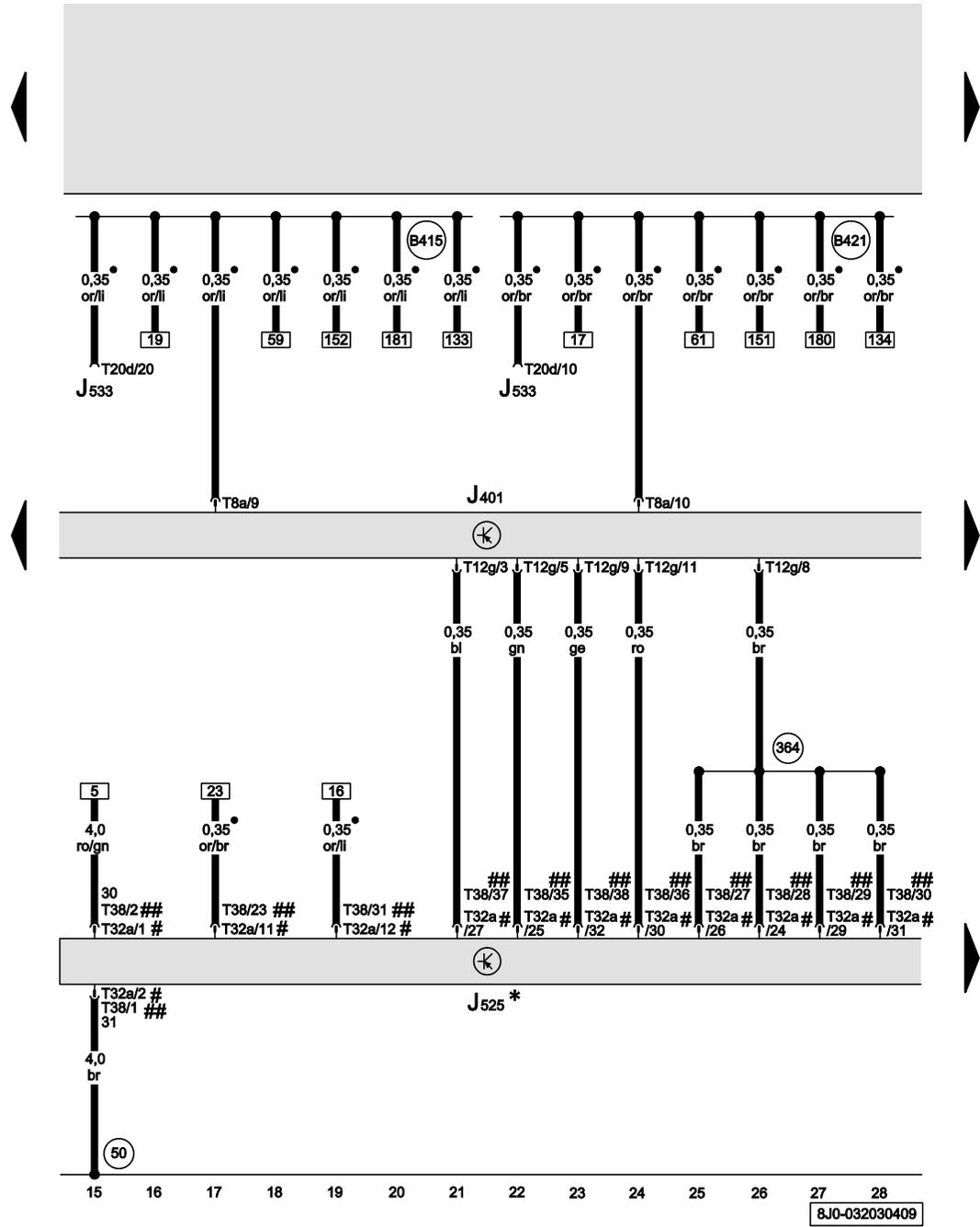
- 380 Ground Connection 15 (in main wiring harness)
- 399 Ground Connection 34 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- \* Models with radio standard soundsystem (9VD)
- \*\* Models with radio soundsystem BOSE (8RY)
- # Main fuse panel, in right rear luggage compartment on battery
- ## Models with external audio source connector, AUX-IN-socket



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

Navigation System Control Module with CD Drive, Digital Sound System Control Module

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- J533 Data Bus On Board Diagnostic Interface
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- 50 Ground Connection (in luggage compartment, left)
- 364 Ground Connection 1 (low frequency), in instrument panel wiring harness
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with radio standard soundsystem (9VD)
- # Through January 2009
- ## From February 2009

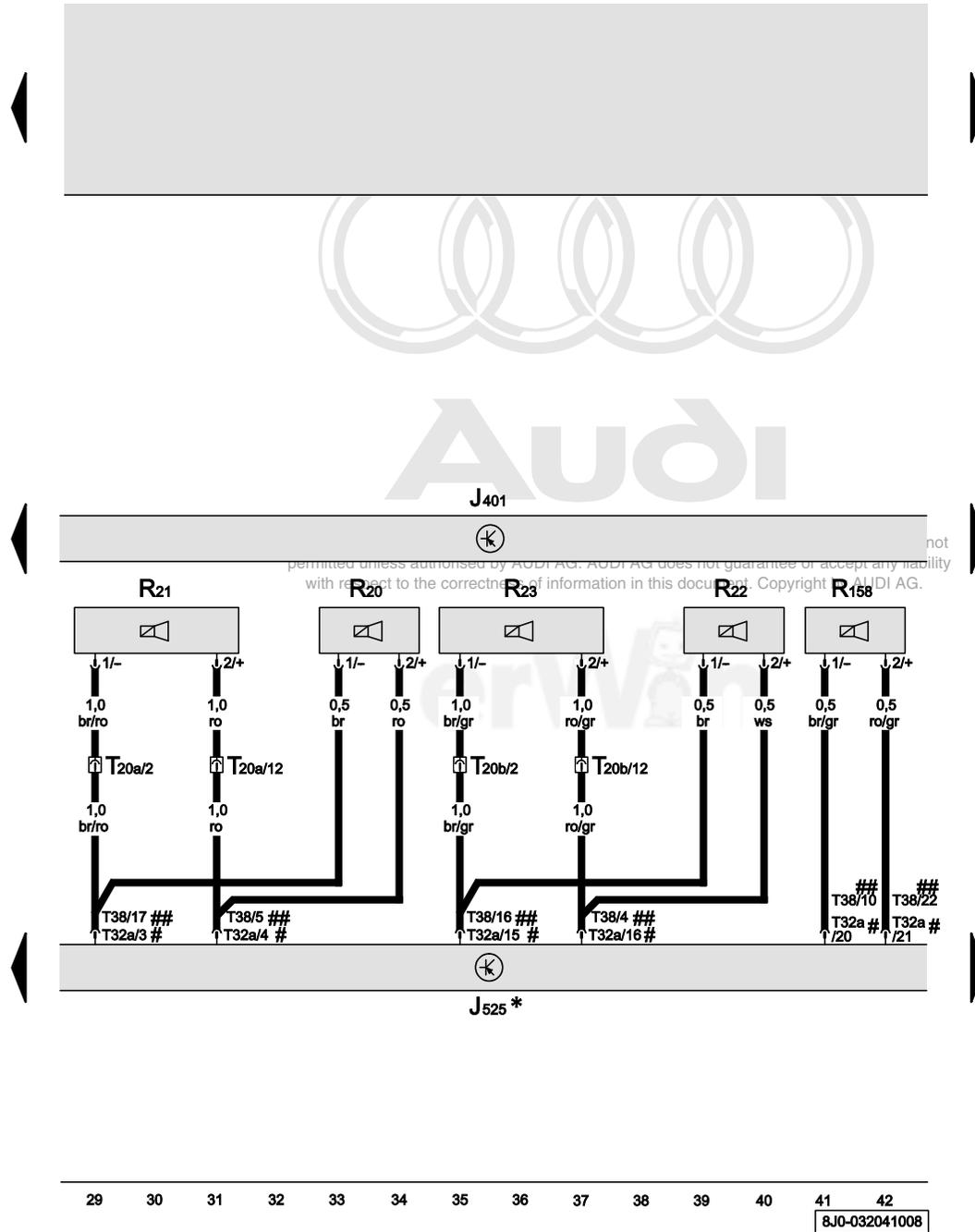


- ws = white
  - sw = black
  - ro = red
  - br = brown
  - gn = green
  - bl = blue
  - gr = grey
  - li = lilac
  - ge = yellow
  - or = orange
  - rs = pink
- Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-032030409

Navigation System Control Module with CD Drive, Digital Sound System Control Module, Left and Right Front Treble Speaker, Left and Right Front Bass Speaker, Center Midrange Speaker

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R158 Center Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- \* Models with radio standard soundsystem (9VD)
- # Through January 2009
- ## From February 2009



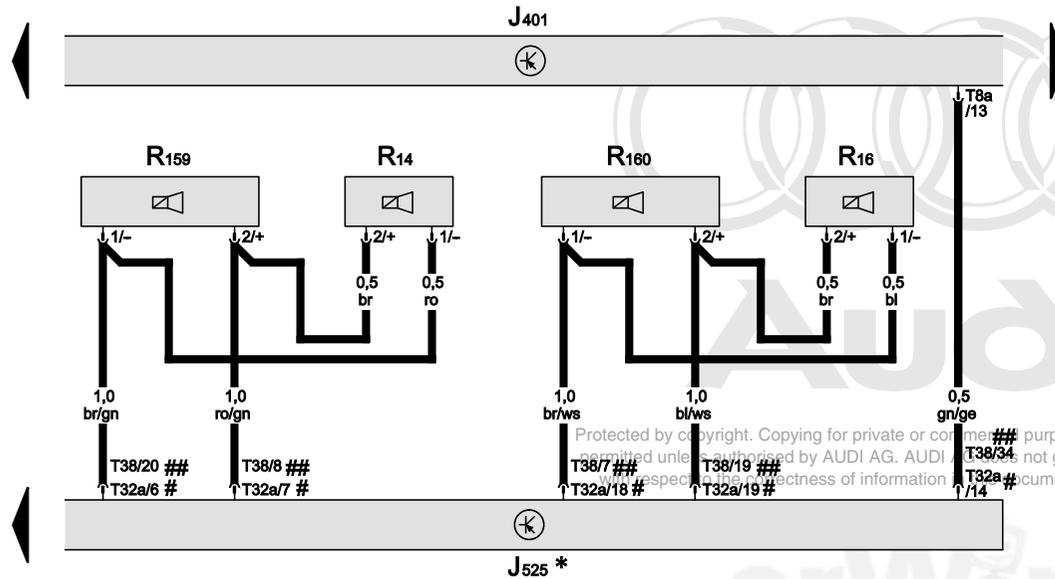
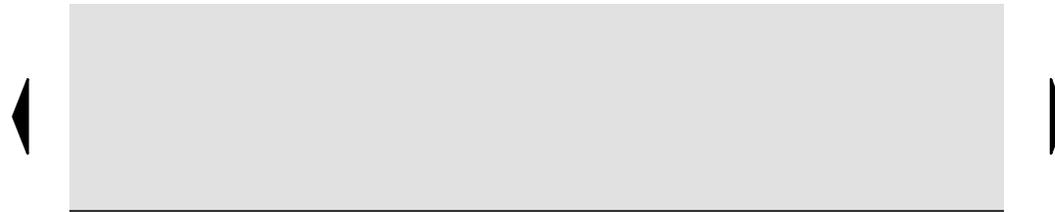
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

8J0-032041008

Navigation System Control Module with CD Drive, Digital Sound System Control Module, Left and Right Rear Treble Speaker, Left and Right Rear Mid/Low Range Speaker

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- R14 Left Rear Treble Speaker
- R16 Right Rear Treble Speaker
- R159 Left Rear Mid/Low Range Speaker
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- \* Models with radio standard soundsystem (9VD)
- # Through January 2009
- ## From February 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

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

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

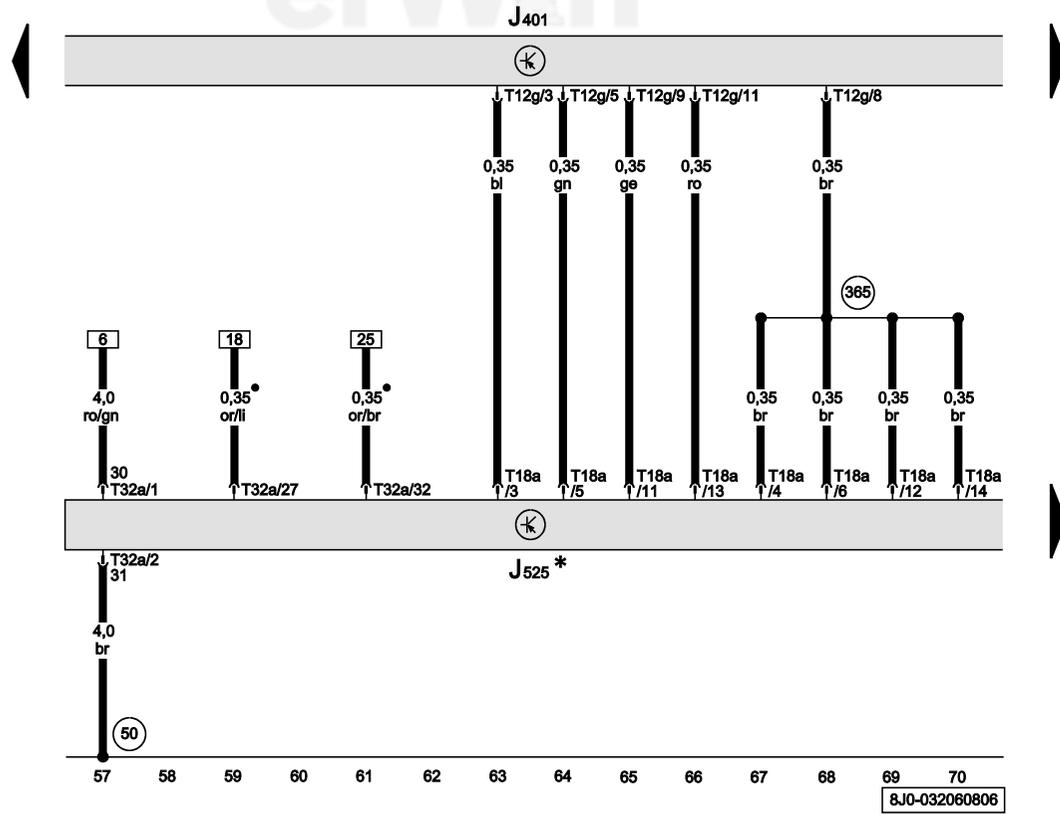
8J0-032051008

Navigation System Control Module with CD Drive, Digital Sound System Control Module

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- T12g 12-Pin Connector, green, radio connector C
- T18a 18-Pin Connector, black (Connector B), on digital sound system control module
- T32a 32-Pin Connector, black, on digital sound system control module

- 50 Ground Connection (in luggage compartment, left)
- 365 Ground Connection 2 (low frequency), in instrument panel wiring harness
- CAN-Bus (data wire)
- \* Models with radio soundsystem BOSE (8RY)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

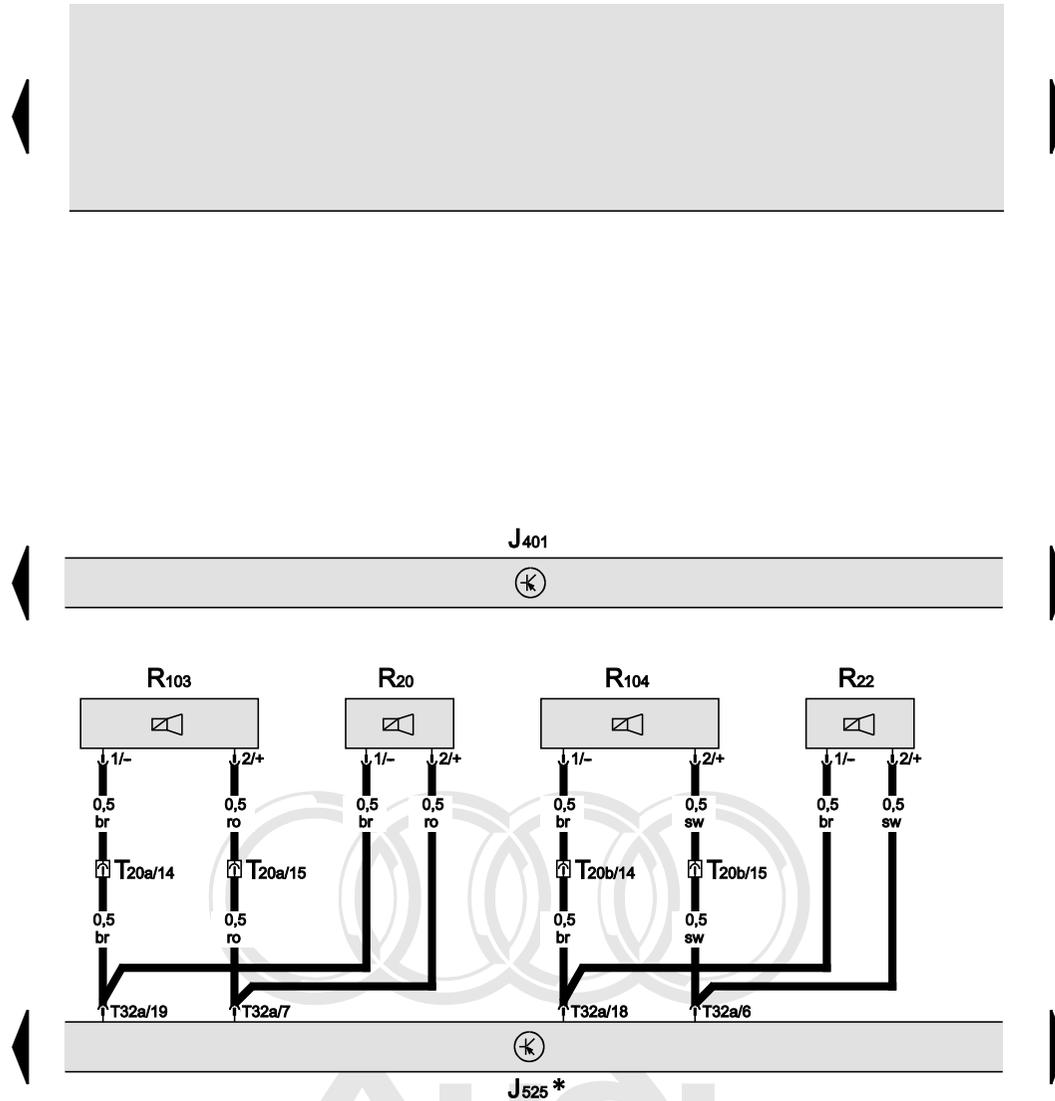


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-032060806

Navigation System Control Module with CD Drive, Digital Sound System Control Module, Left and Right Front Treble Speaker, Left and Right Front Midrange Speaker

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- R20 Left Front Treble Speaker
- R22 Right Front Treble Speaker
- R103 Left Front Midrange Speaker
- R104 Right Front Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module
- \* Models with radio soundsystem BOSE (8RY)



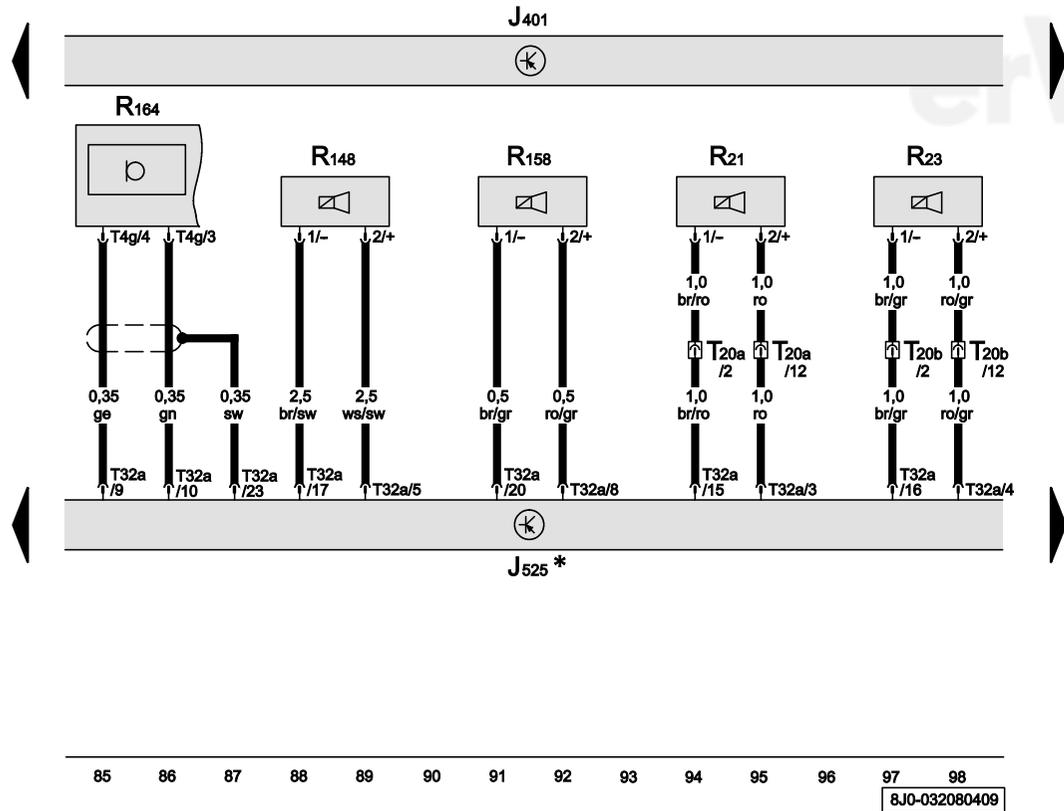
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-032070806

Navigation System Control Module with CD Drive, Digital Sound System Control Module, Left and Right Front Bass Speaker, Center Midrange Speaker, Center Speaker, Microphone Unit (in front roof module)

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- R21 Left Front Bass Speaker
- R23 Right Front Bass Speaker
- R148 Center Speaker
- R158 Center Midrange Speaker
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module
- \* Models with radio soundsystem BOSE (8RY)

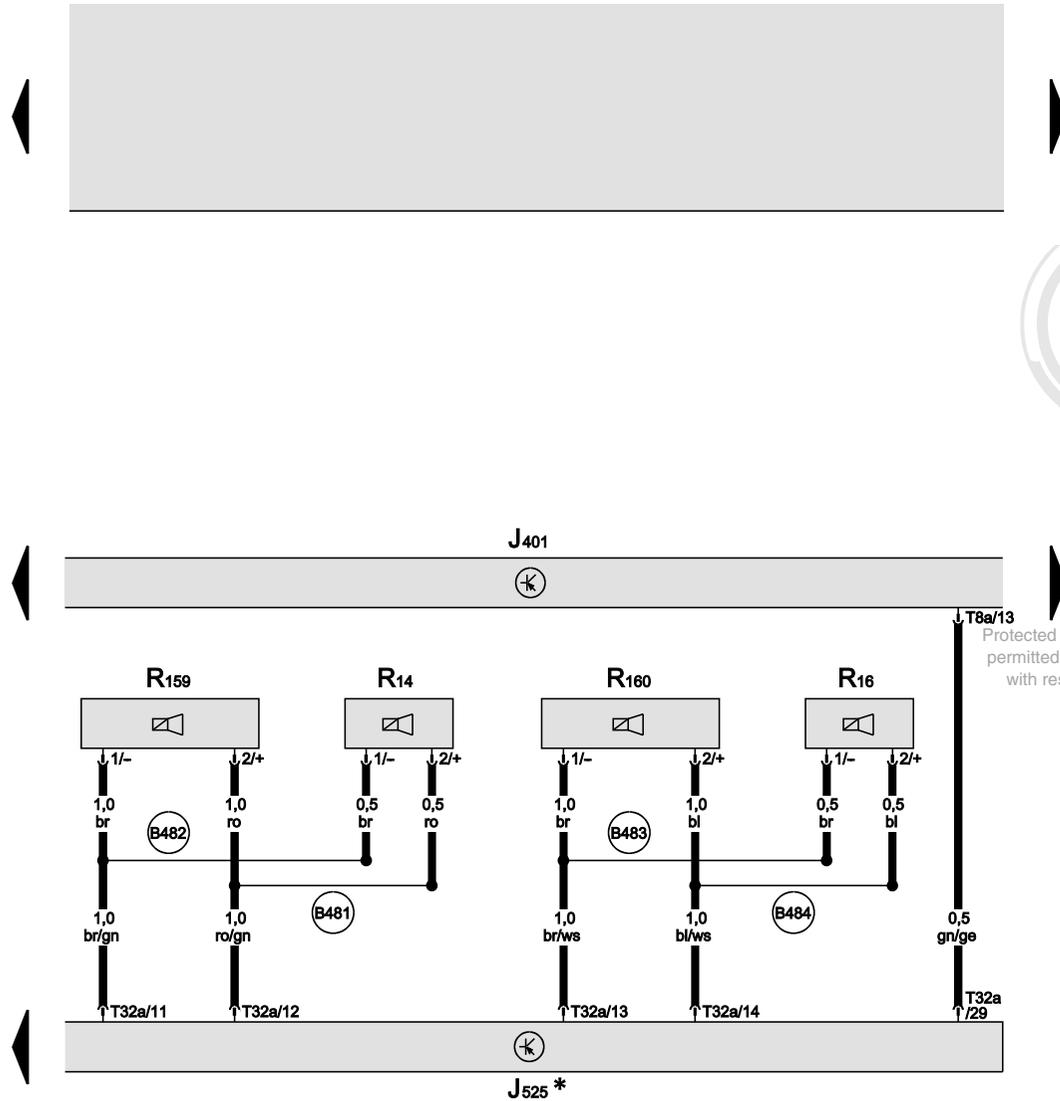
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Navigation System Control Module with CD Drive, Digital Sound System Control Module, Left and Right Rear Treble Speaker, Left and Right Rear Mid/Low Range Speaker

- J401 Navigation System Control Module with CD Drive
- J525 Digital Sound System Control Module
- R14 Left Rear Treble Speaker
- R16 Right Rear Treble Speaker
- R159 Left Rear Mid/Low Range Speaker
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T32a 32-Pin Connector, black, on digital sound system control module
- B481 Connection 17 (in main wiring harness)
- B482 Connection 18 (in main wiring harness)
- B483 Connection 19 (in main wiring harness)
- B484 Connection 20 (in main wiring harness)
- \* Models with radio soundsystem BOSE (8RY)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

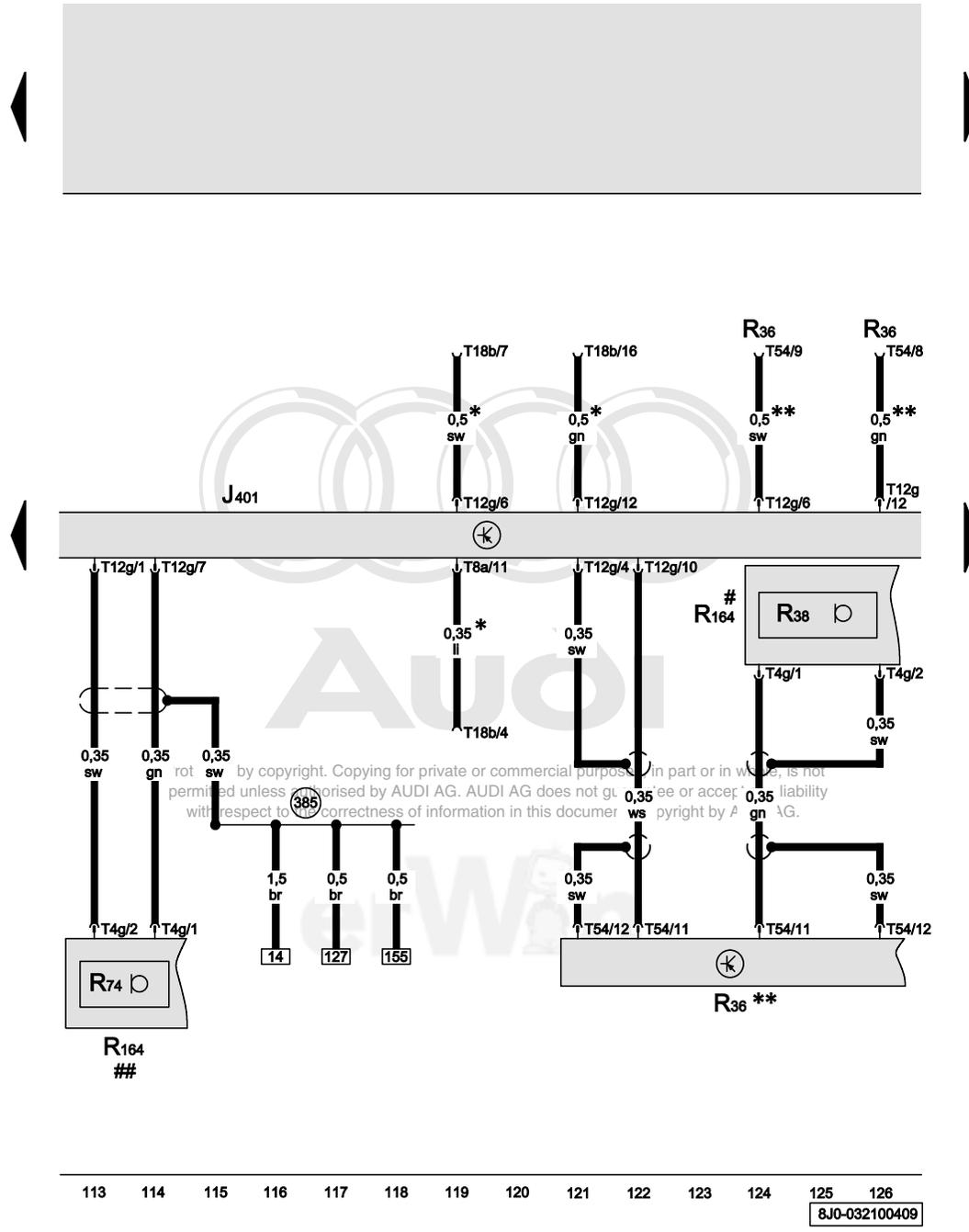
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Navigation System Control Module with CD Drive, Microphone Unit (in front roof module)

- J401 Navigation System Control Module with CD Drive
- R36 Telephone Transceiver
- R38 Telephone Microphone
- R74 Inside Microphone
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T54 54-Pin Connector (Connector A), on telephone transceiver

385 Ground Connection 20 (in main wiring harness)

- \* Models with cellular telephone preparation (9ZD)
- \*\* Models with cellular telephone preparation (9ZG)
- # Models without voice control
- ## Models with voice control



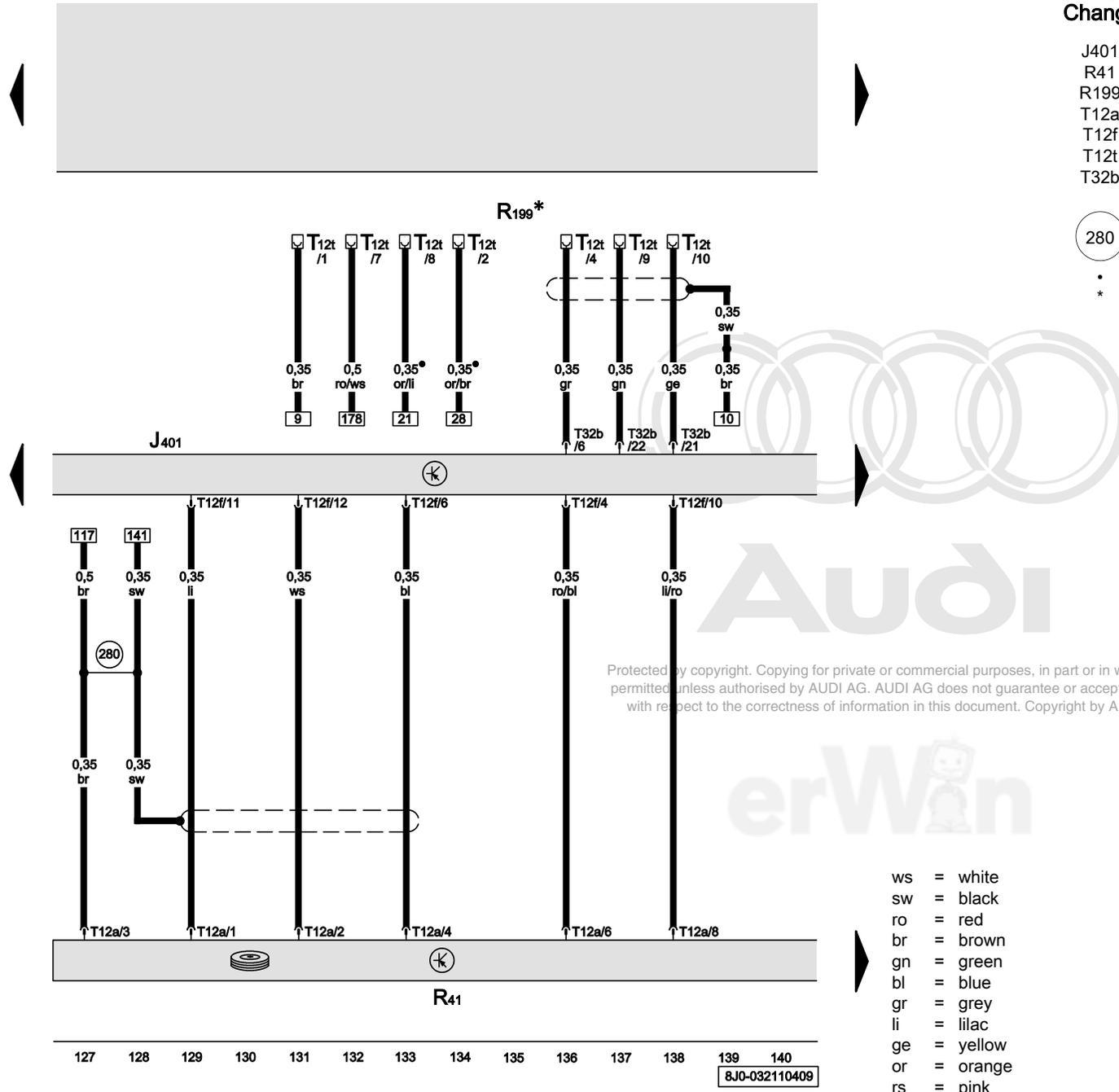
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Navigation System Control Module with CD Drive, CD Changer

- J401 Navigation System Control Module with CD Drive
- R41 CD Changer
- R199 External Audio Source Connector
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12t 12-Pin Connector, black, behind instrument panel, right
- T32b 32-Pin Connector (Connector E), on navigation system control module with CD drive

280 Ground Connection (in communication wiring harness)

- CAN-Bus (data wire)
- \* Models with external audio source connector, AMI - Audi Music Interface (UF7)



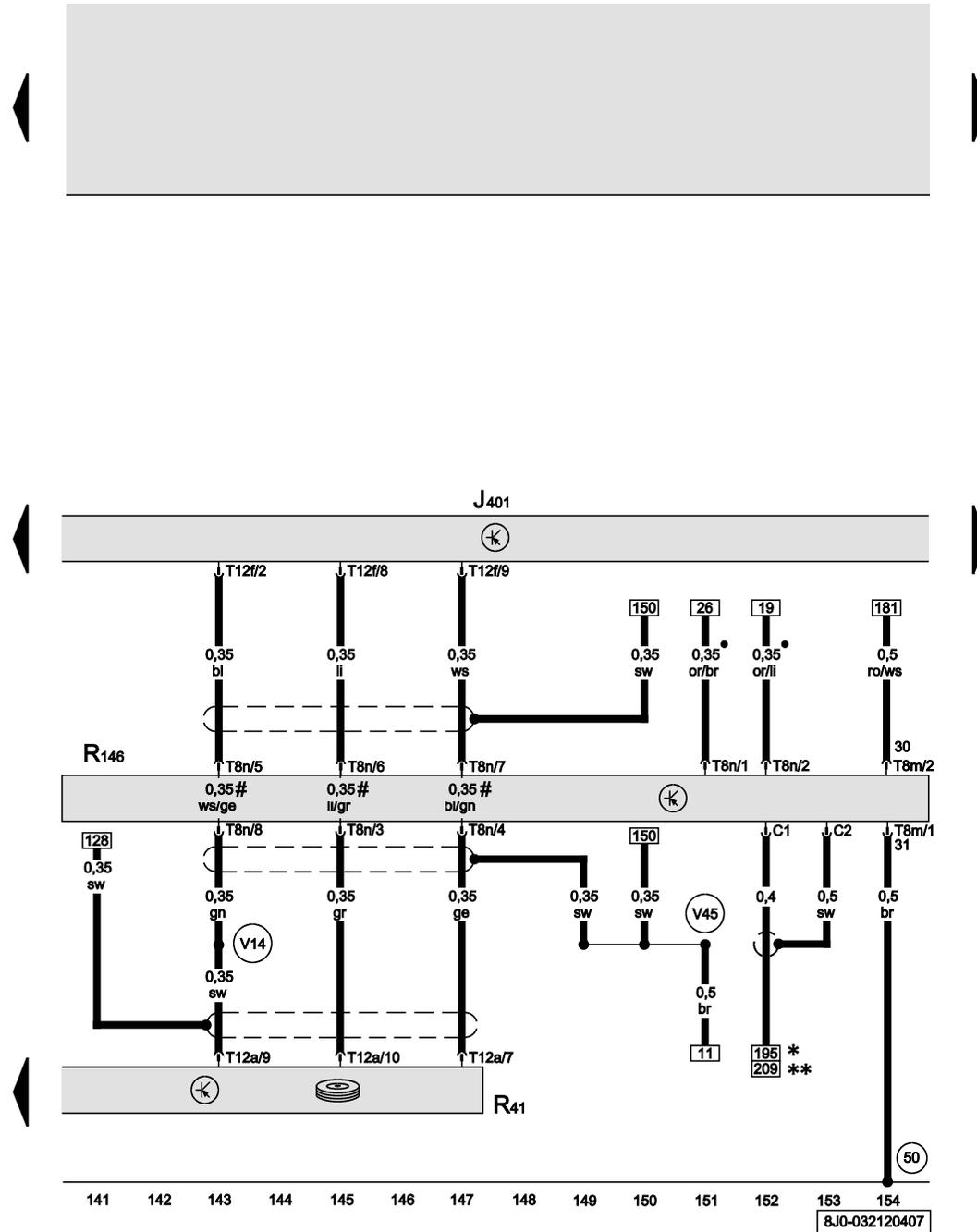
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



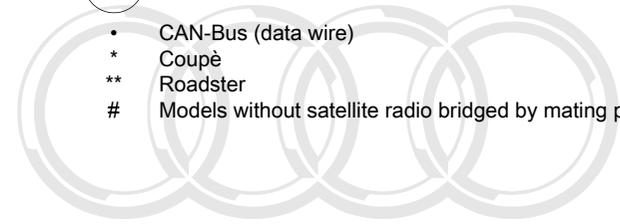
Navigation System Control Module with CD Drive, CD Changer, Satellite Radio

- J401 Navigation System Control Module with CD Drive
- R41 CD Changer
- R146 Satellite Radio
- T8m 8-Pin Connector, black (Connector A), on satellite radio
- T8n 8-Pin Connector, black (Connector B), on satellite radio
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B

- 50 Ground Connection (in luggage compartment, left)
- V14 Connection (shielding) (in CD-changer wiring harness)
- V45 Connection 2 (shielding) (in CD-changer wiring harness)
- CAN-Bus (data wire)
- \* Coupé
- \*\* Roadster
- # Models without satellite radio bridged by mating plug



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



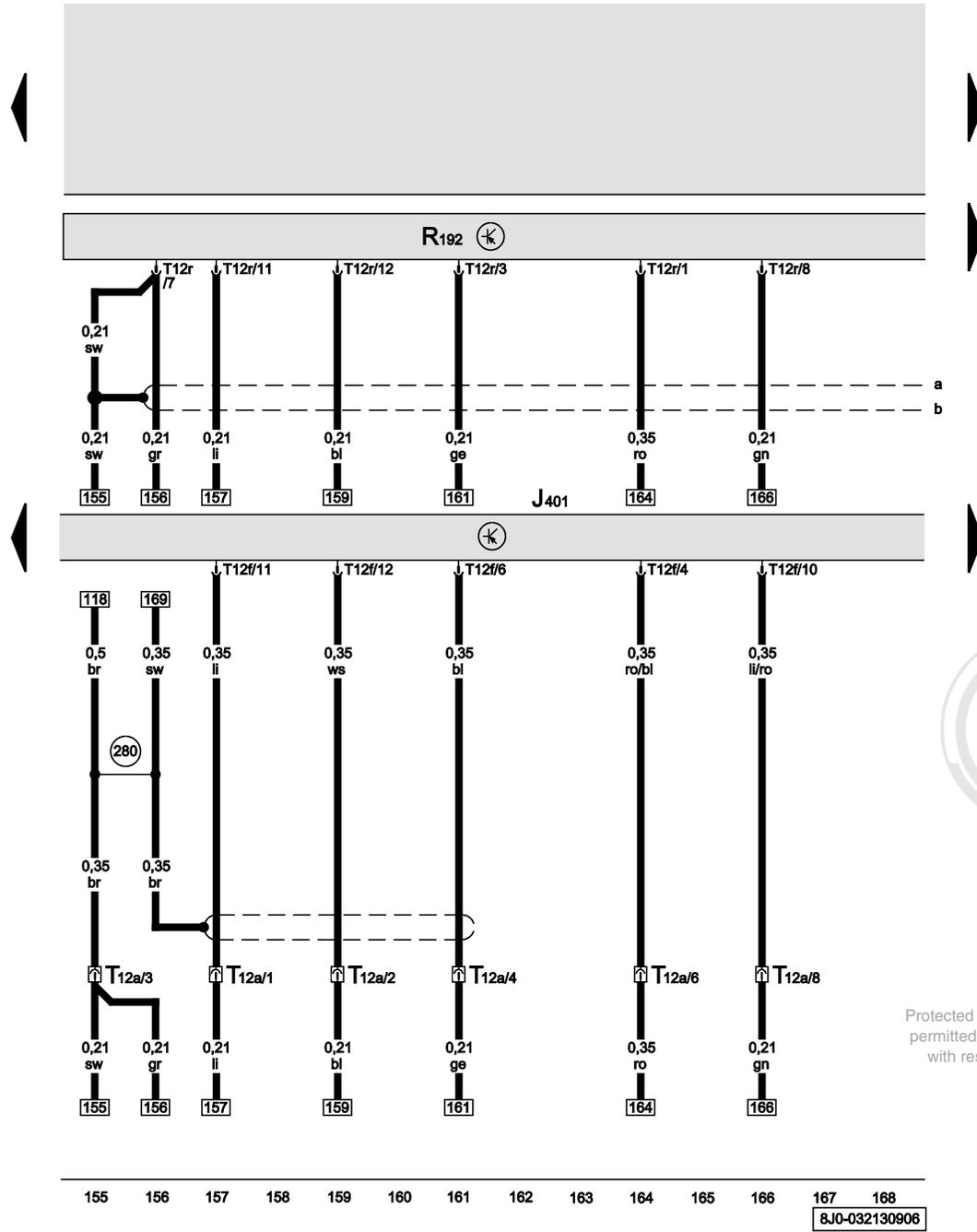
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Navigation System Control Module with CD Drive, iPod Baseplate

- J401 Navigation System Control Module with CD Drive
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate
- (280) Ground Connection (in communication wiring harness)



Audi

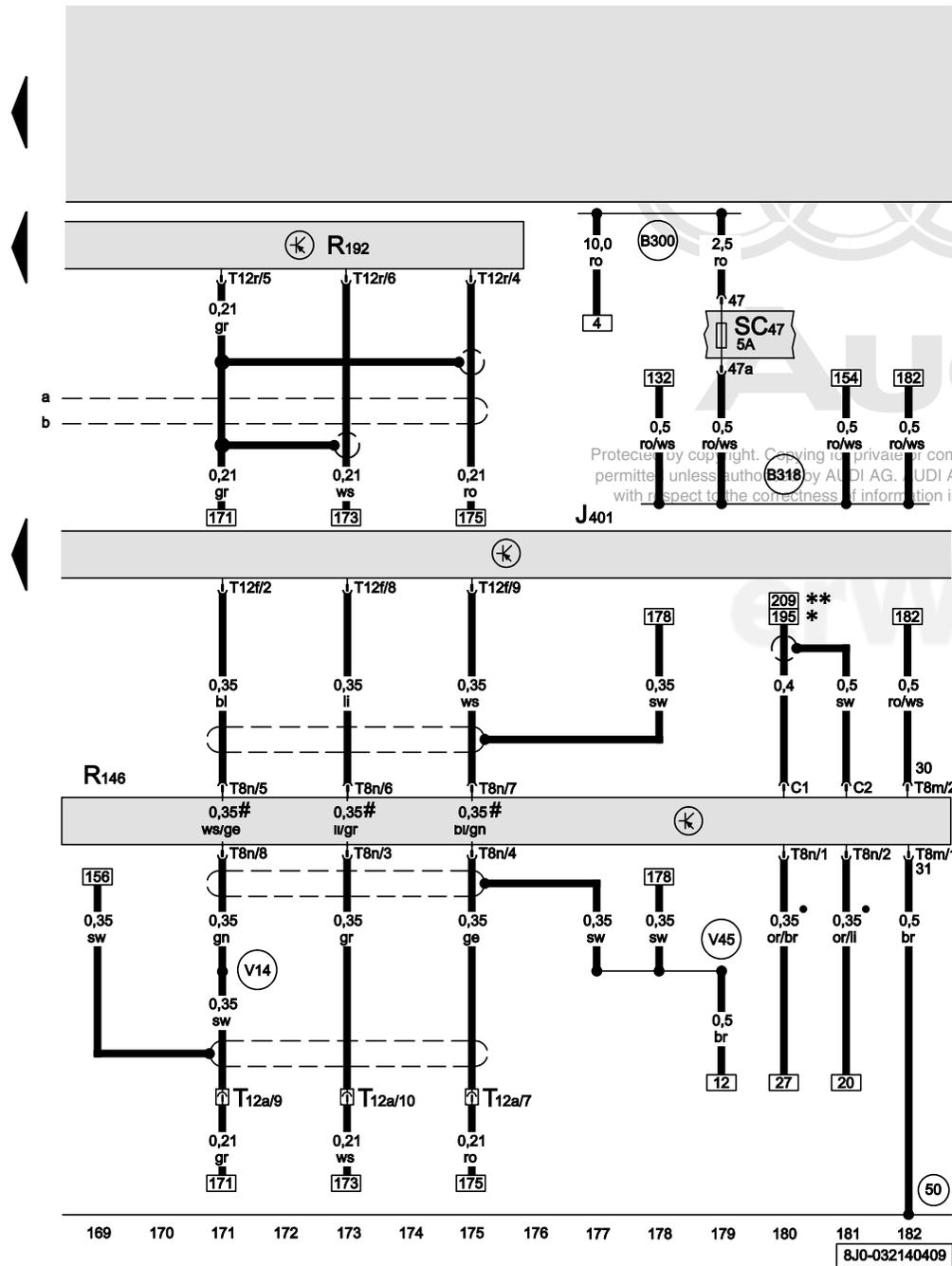
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Navigation System Control Module with CD Drive, iPod Baseplate, Satellite Radio

- J401 Navigation System Control Module with CD Drive
- R146 Satellite Radio
- R192 iPod Baseplate
- SC47 Fuse 47 (on fuse panel C)
- T8m 8-Pin Connector, black (Connector A), on satellite radio
- T8n 8-Pin Connector, black (Connector B), on satellite radio
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate

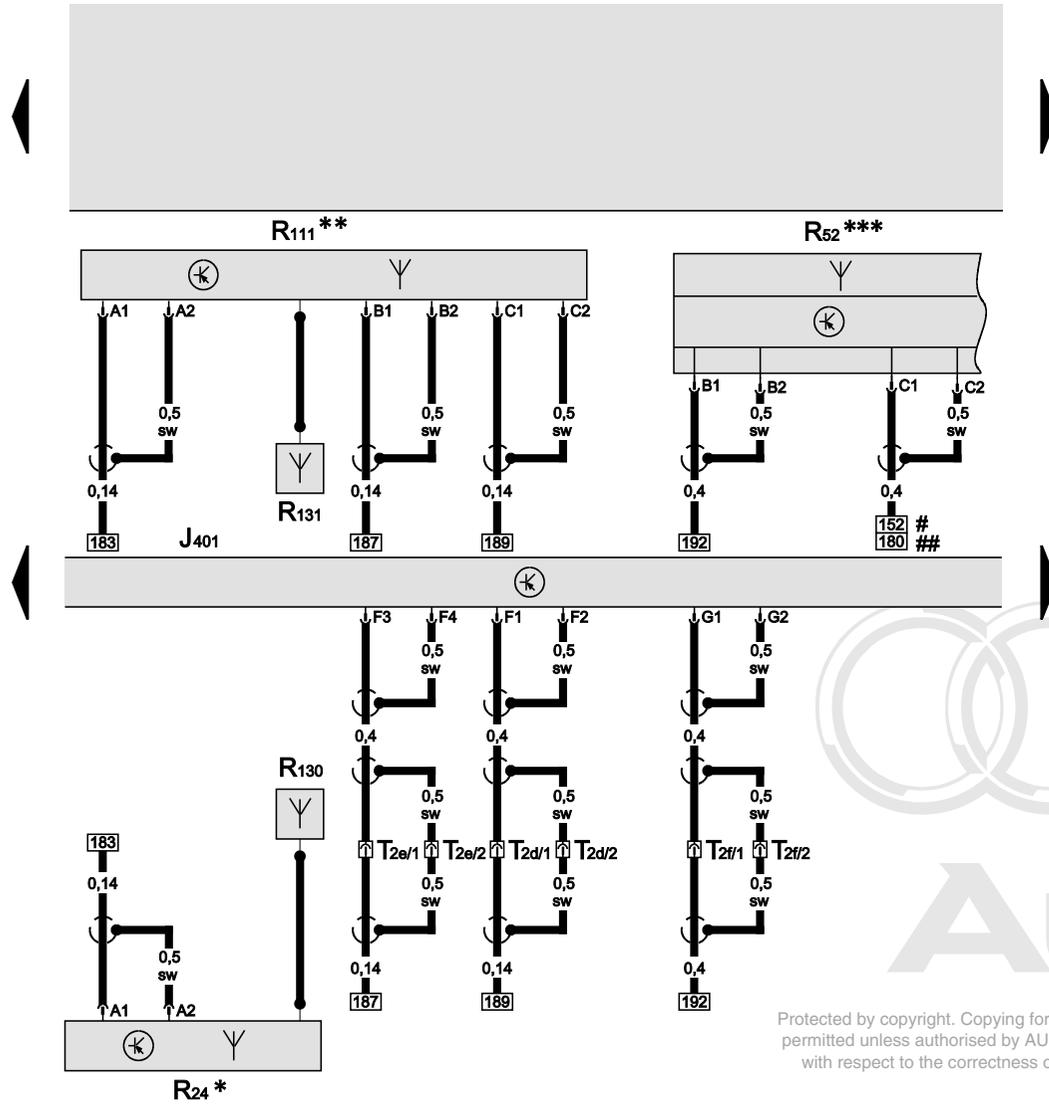
- 50 Ground Connection (in luggage compartment, left)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B318 Plus Connection 4 (30a) (in main wiring harness)
- V14 Connection (shielding) (in CD-changer wiring harness)
- V45 Connection 2 (shielding) (in CD-changer wiring harness)
- CAN-Bus (data wire)
- \* Coupé
- \*\* Roadster
- # Models without satellite radio bridged by mating plug



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

Coupè, Navigation System Control Module with CD Drive, Antenna Amplifier, Antenna for Radio, Telephone, Navigation System

- J401 Navigation System Control Module with CD Drive
- R24 Antenna Amplifier
- R52 Antenna for Radio, Telephone, Navigation System
- R111 Antenna Amplifier 2
- R130 Rear Window Antenna 1
- R131 Rear Window Antenna 2
- T2d Double Connector, white, on rear right roof frame
- T2e Double Connector, yellow, on rear right roof frame
- T2f Double Connector, blue, on rear right roof frame
- \* Upper right rear window
- \*\* Lower right rear window
- \*\*\* Roof Antenna
- # Models with CD changer
- ## Models with iPod baseplate



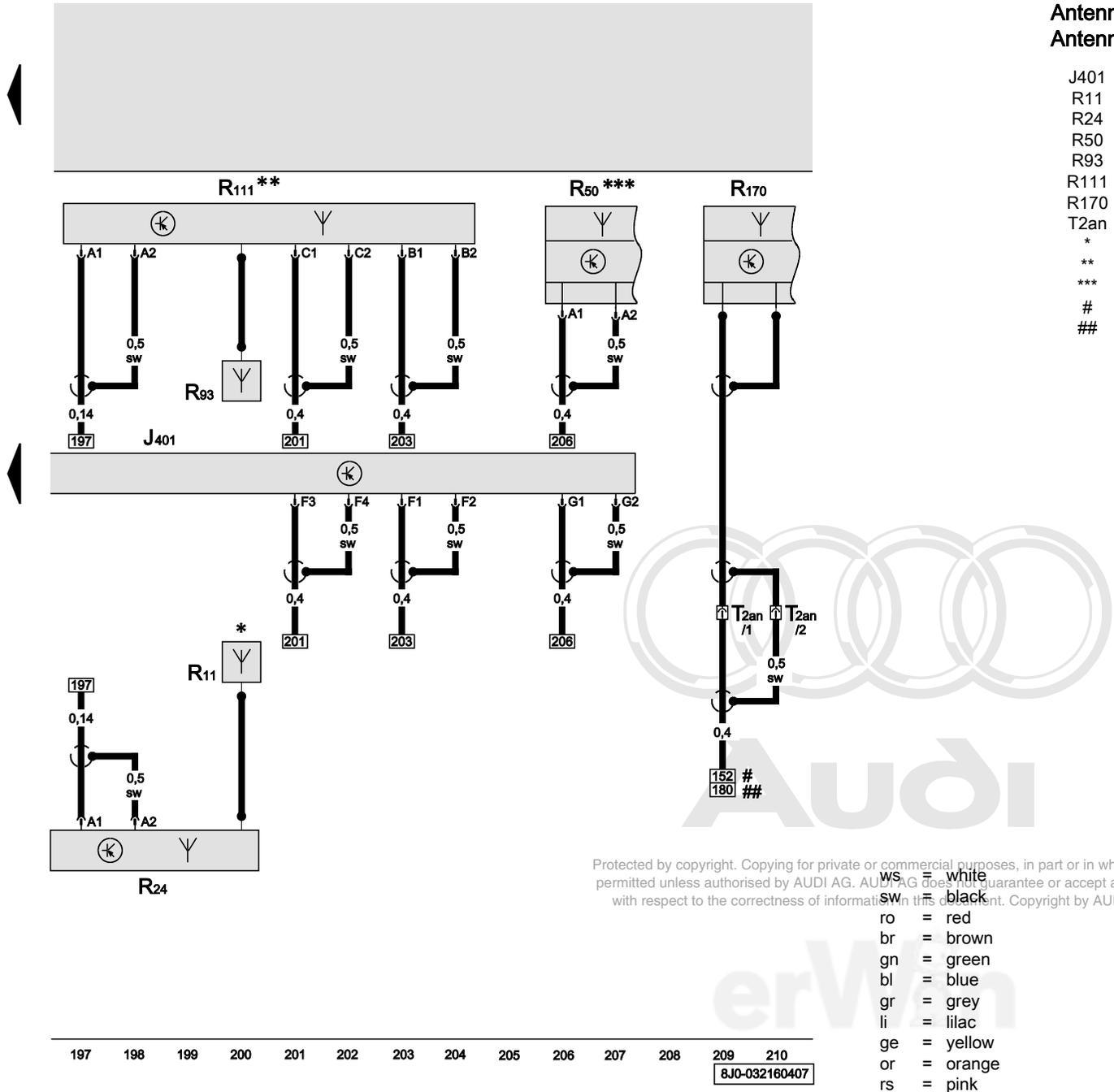
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

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

8J0-032150906

Roadster, Navigation System Control Module with CD Drive, Antenna Amplifier, Navigation System Antenna, Satellite Antenna



- J401 Navigation System Control Module with CD Drive
- R11 Antenna
- R24 Antenna Amplifier
- R50 Navigation System Antenna
- R93 Radio Antenna 2
- R111 Antenna Amplifier 2
- R170 Satellite Antenna
- T2an Double Connector, green, left rear lid
- \* Rear left rod antenna
- \*\* Right rear
- \*\*\* Center windshield
- # Models with CD changer
- ## Models with iPod baseplate

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Radio with Soundsystem BOSE (8RY) Roadster

from model year 2007

### Note:

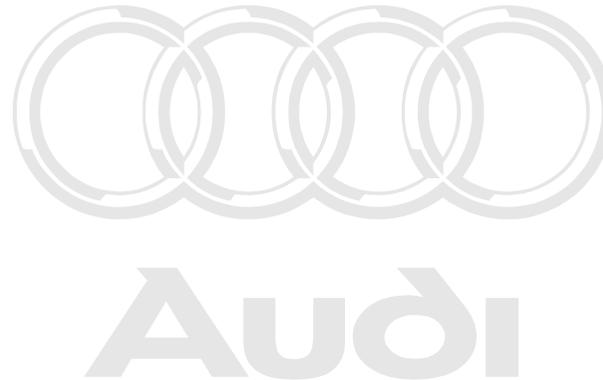
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

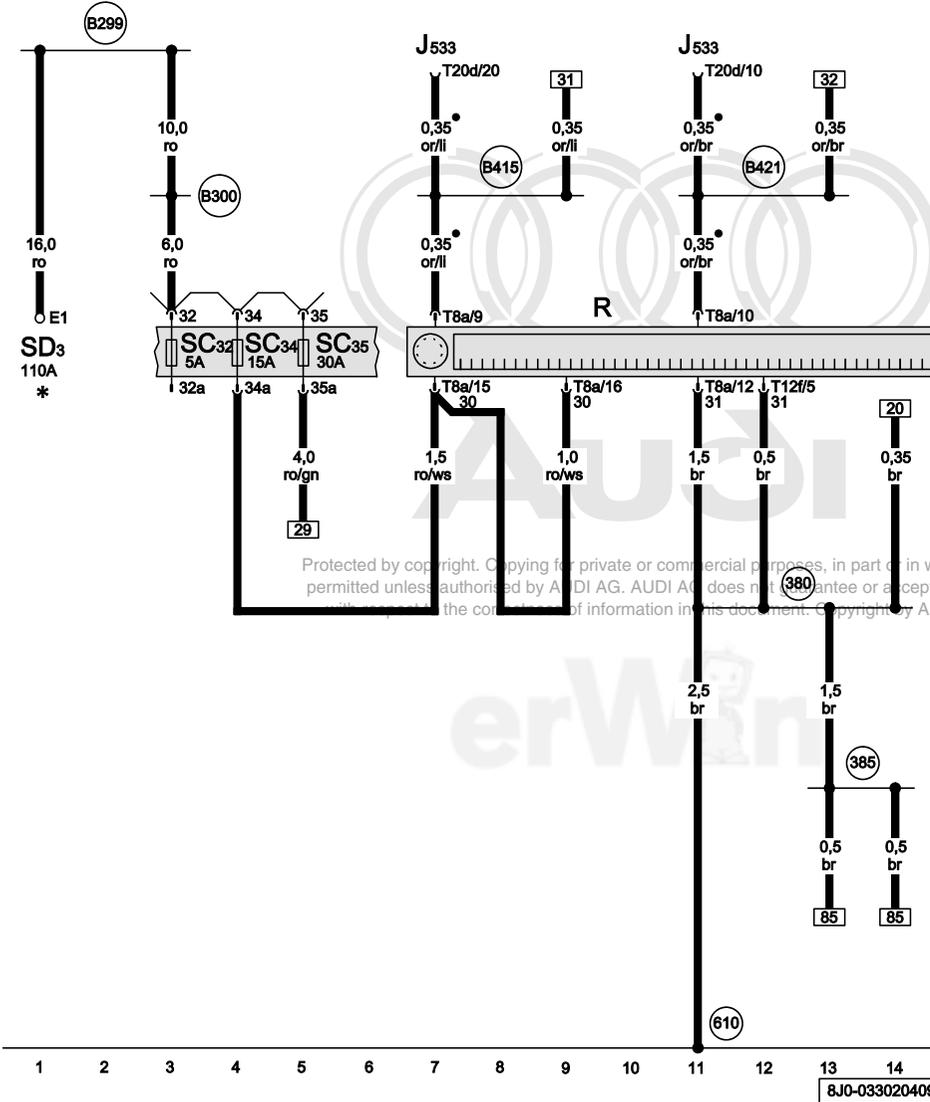
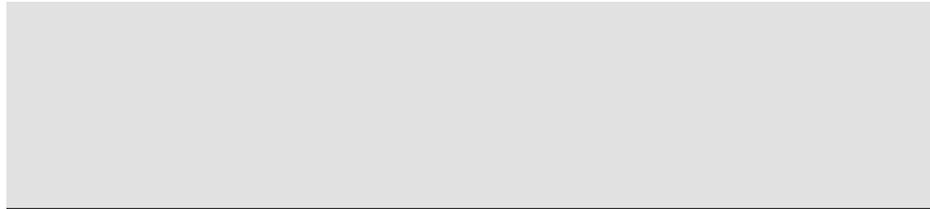
Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

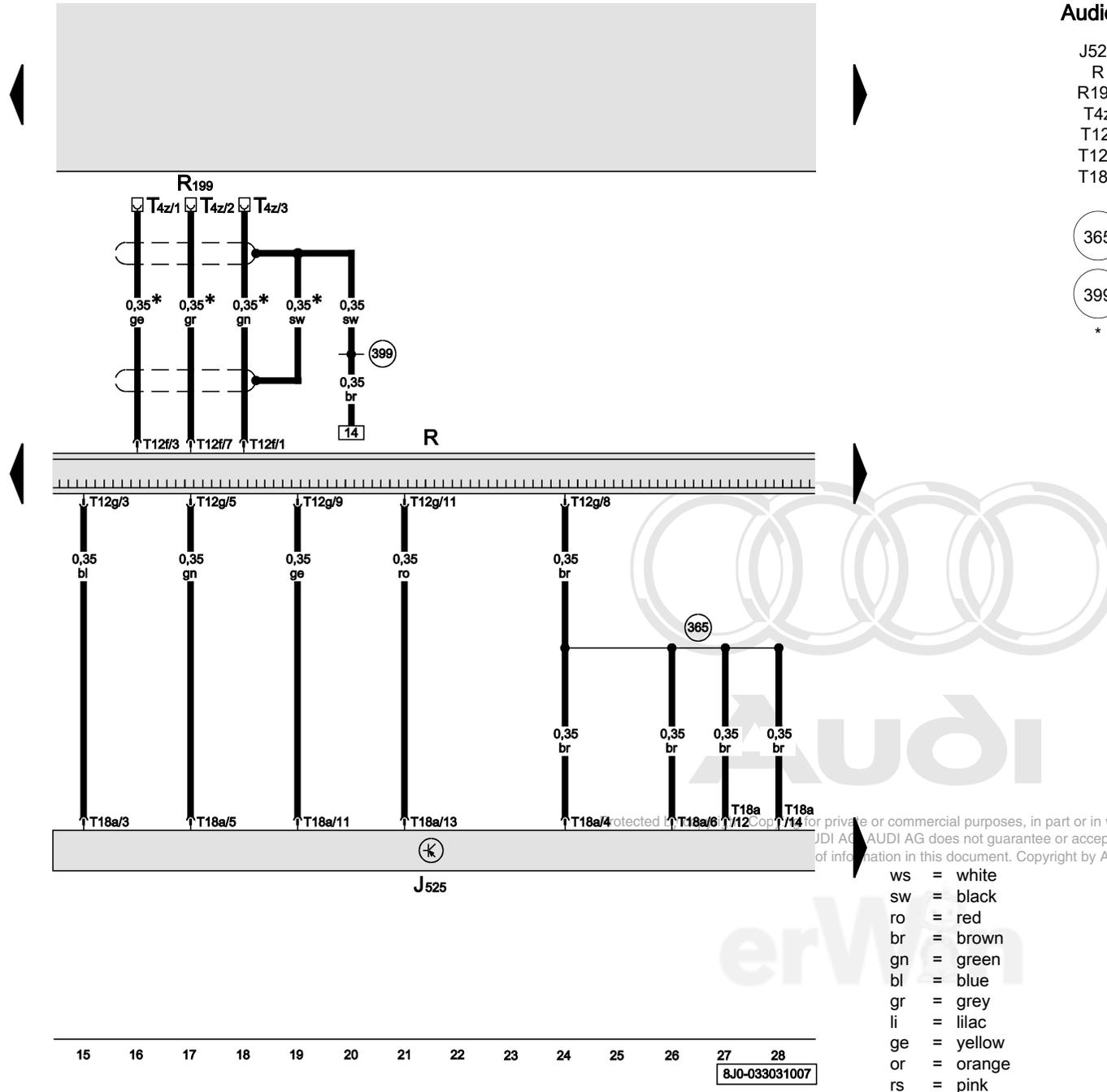
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not warrant or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

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

Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T18a 18-Pin Connector, black (Connector B), on digital sound system control module

- (365) Ground Connection 2 (low frequency), in instrument panel wiring harness
- (399) Ground Connection 34 (in main wiring harness)
- \* From November 2007



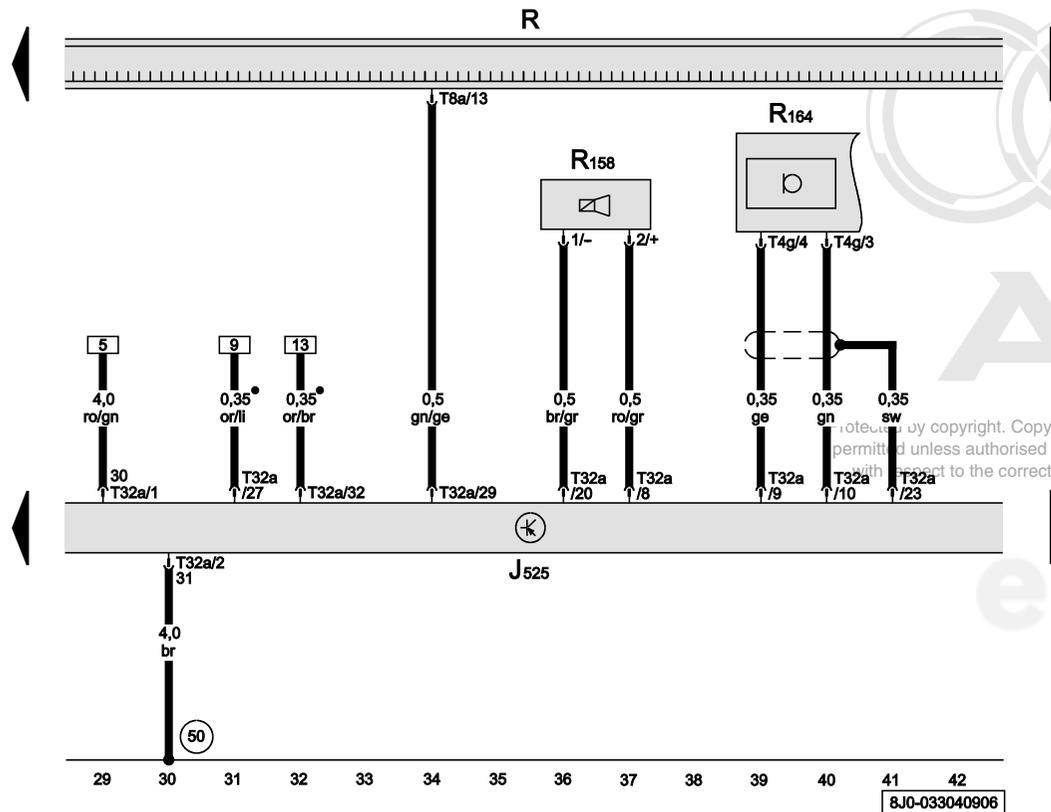
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Digital Sound System Control Module, Center Midrange Speaker, Microphone Unit (in front roof module)

- J525 Digital Sound System Control Module
- R Radio
- R158 Center Midrange Speaker
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T8a 8-Pin Connector, black, radio connector D
- T32a 32-Pin Connector, black, on digital sound system control module

50 Ground Connection (in luggage compartment, left)

- CAN-Bus (data wire)



protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

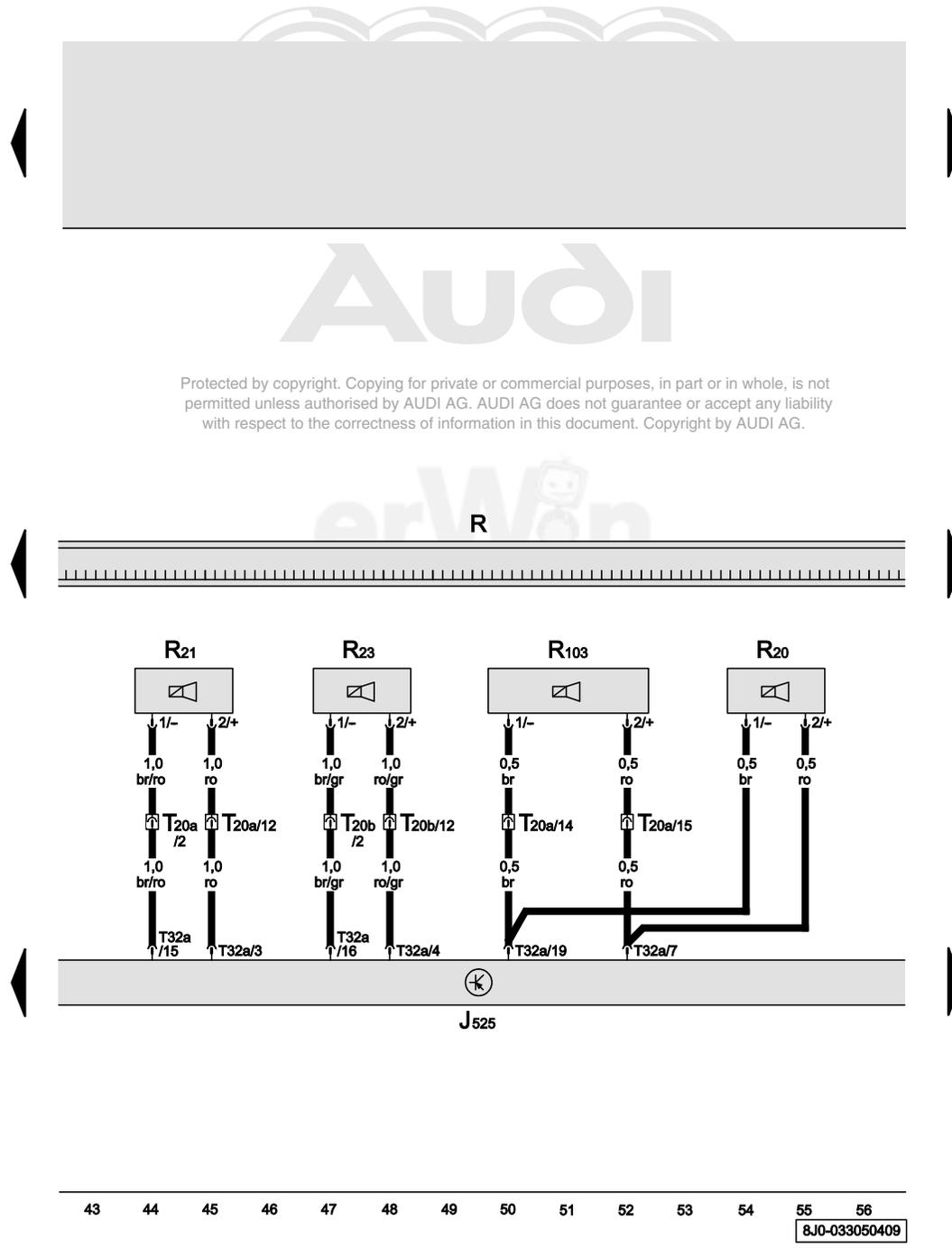
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-033040906

Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left and Right Front Bass Speaker, Left Front Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R23 Right Front Bass Speaker
- R103 Left Front Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

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

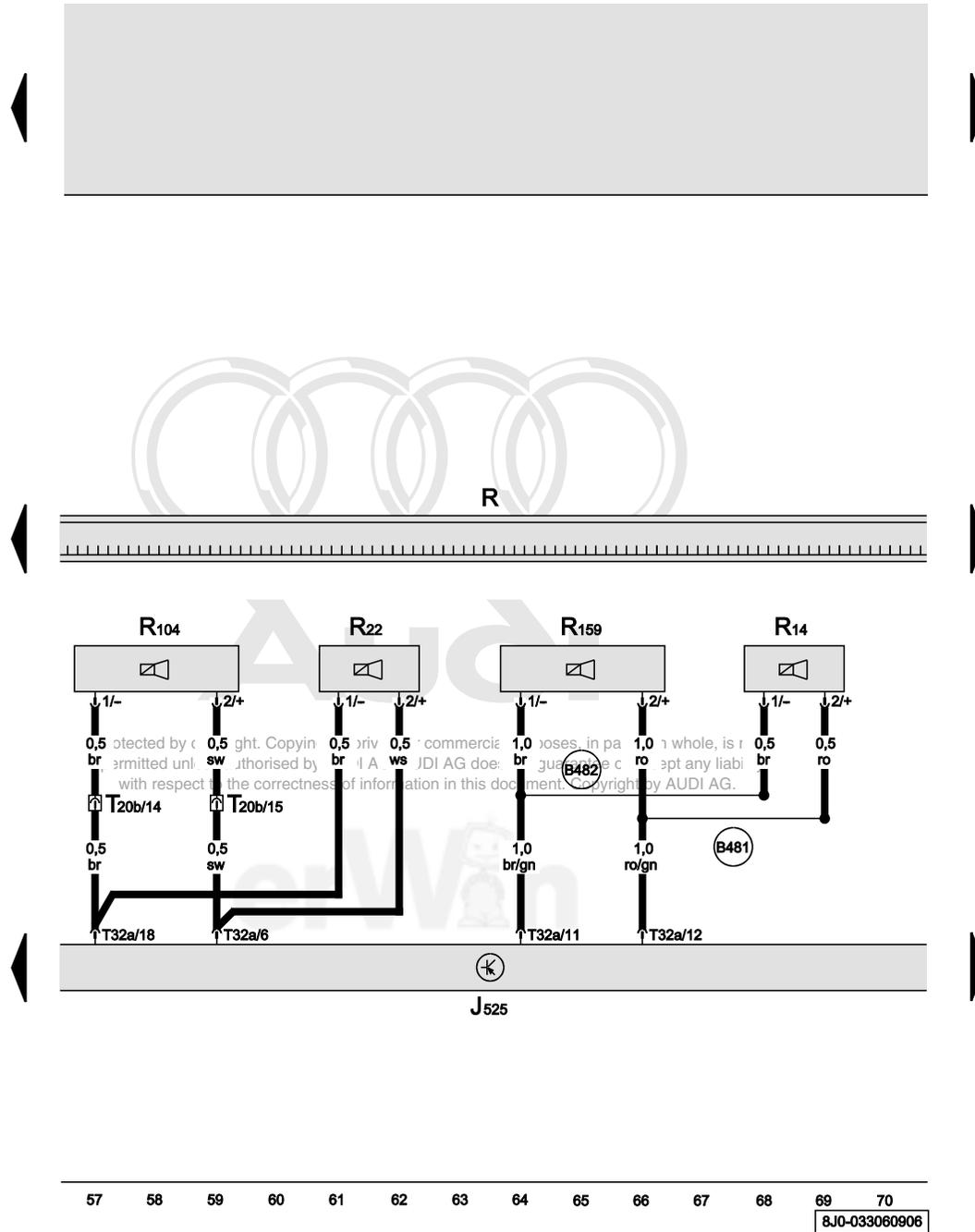
8J0-033050409

Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Midrange Speaker, Left Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R104 Right Front Midrange Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module

(B481) Connection 17 (in main wiring harness)

(B482) Connection 18 (in main wiring harness)



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

Radio, Digital Sound System Control Module, Right Rear Treble Speaker, Right Rear Mid/Low Range Speaker, Center Speaker

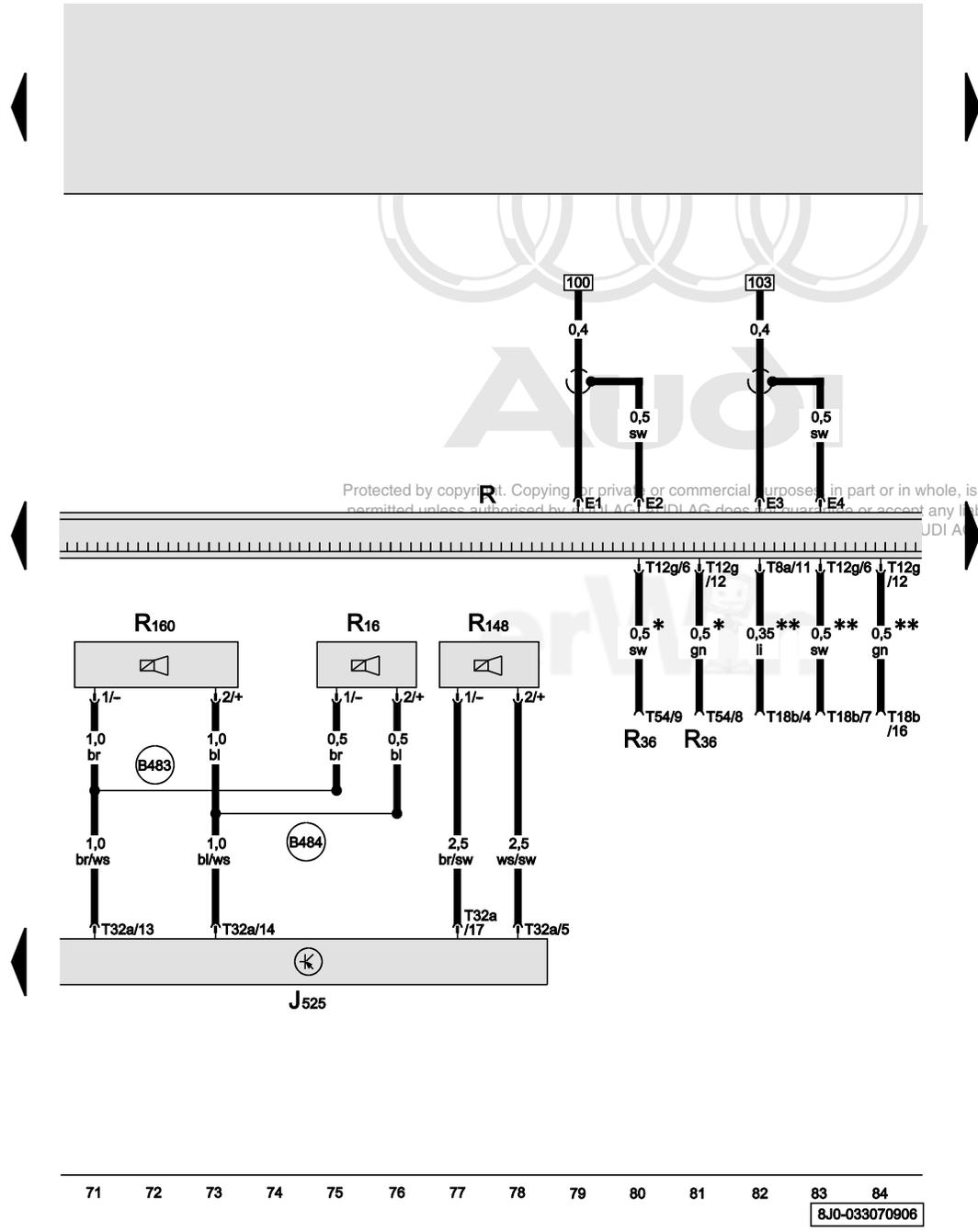
- J525 Digital Sound System Control Module
- R Radio
- R16 Right Rear Treble Speaker
- R36 Telephone Transceiver
- R148 Center Speaker
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T32a 32-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver

(B483) Connection 19 (in main wiring harness)

(B484) Connection 20 (in main wiring harness)

\* Models with cellular telephone preparation (9ZF)

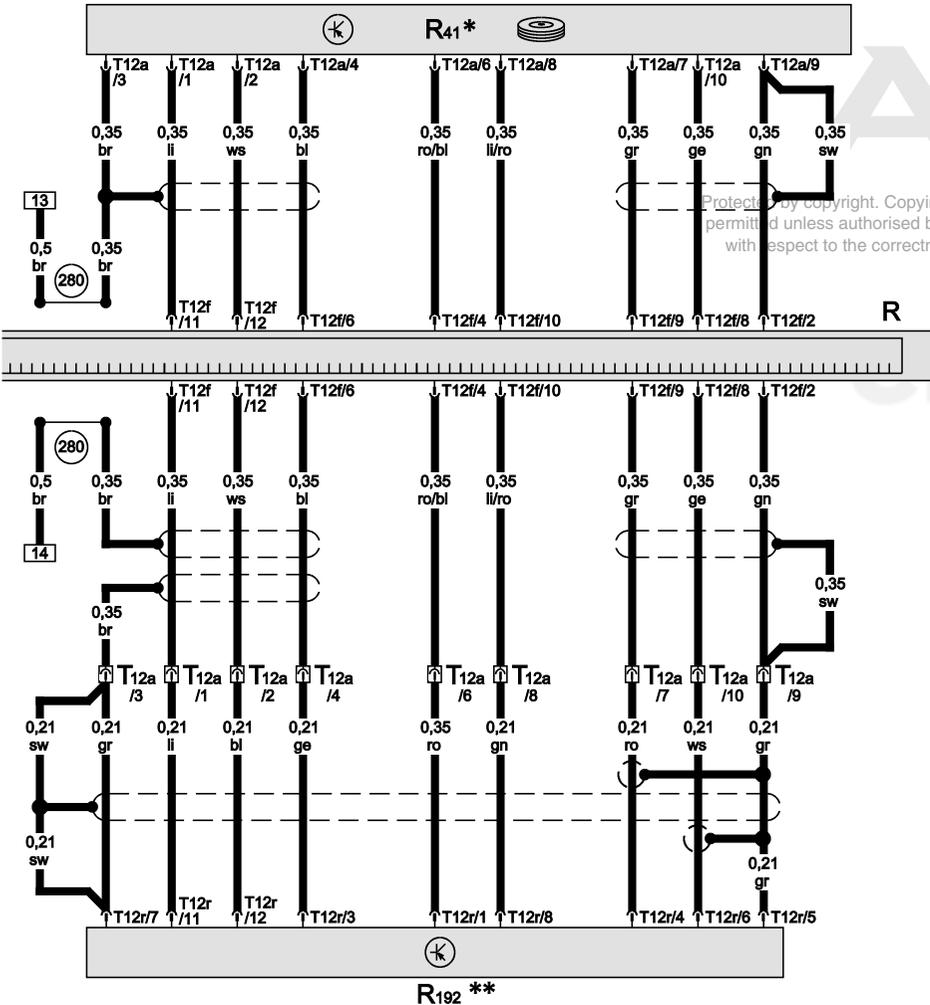
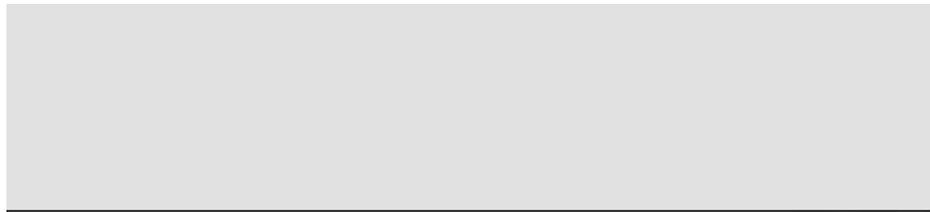
\*\* Models with cellular telephone preparation (9ZD)



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

Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate
- (280) Ground Connection (in communication wiring harness)
- \* Models with CD changer
- \*\* Models with iPod baseplate

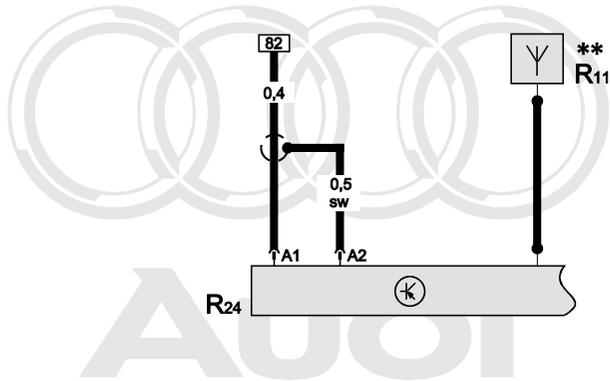
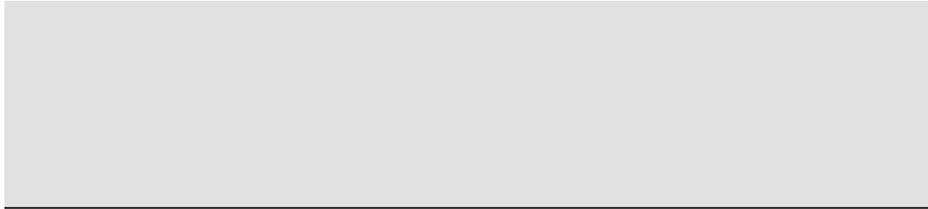


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

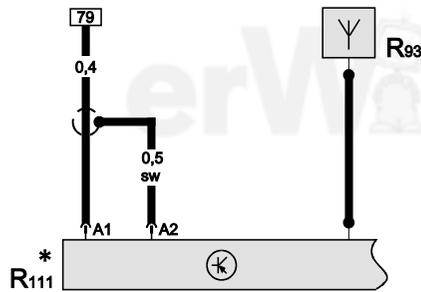
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Antenna Amplifier, Radio Antenna 2

- R11 Antenna
- R24 Antenna Amplifier
- R93 Radio Antenna 2
- R111 Antenna Amplifier 2
- \* Right rear
- \*\* Rear left rod antenna



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

## Radio with Standard Soundsystem (9VD) Roadster

from model year 2007

### Note:

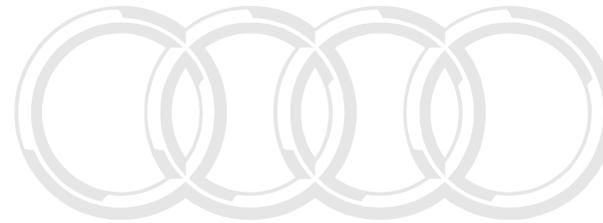
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

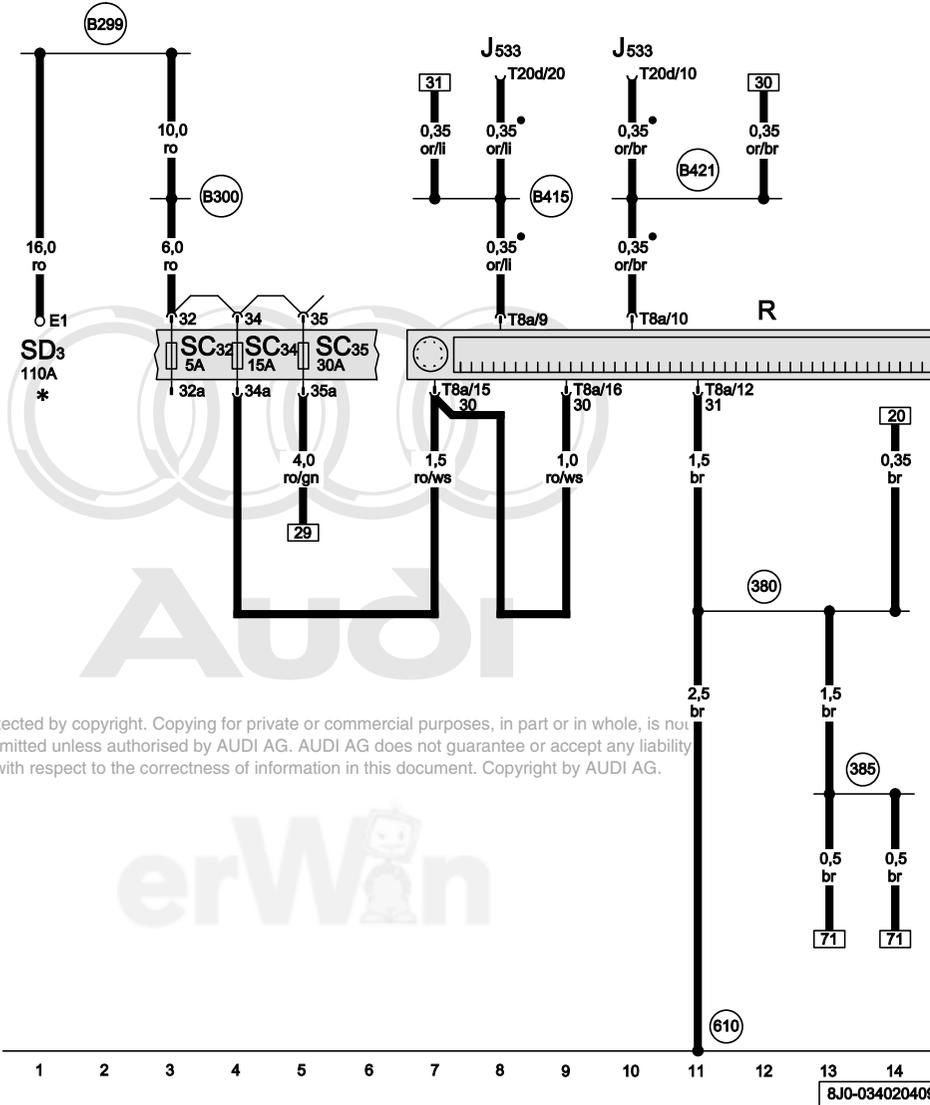
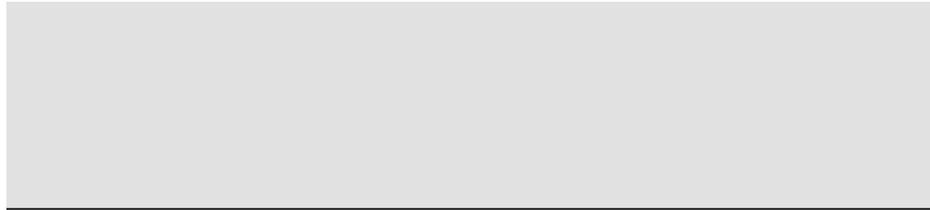
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
  - CAN-Bus (data wire)
  - \* Main fuse panel, in right rear luggage compartment on battery

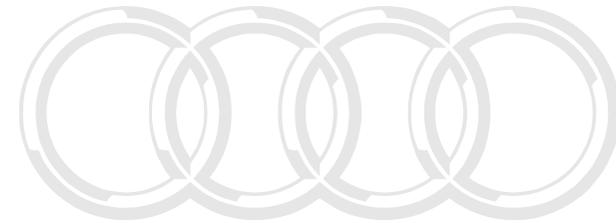
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T32a 32-Pin Connector, black, on digital sound system control module
- 364 Ground Connection 1 (low frequency), in instrument panel wiring harness
- 399 Ground Connection 34 (in main wiring harness)
- \* From November 2007

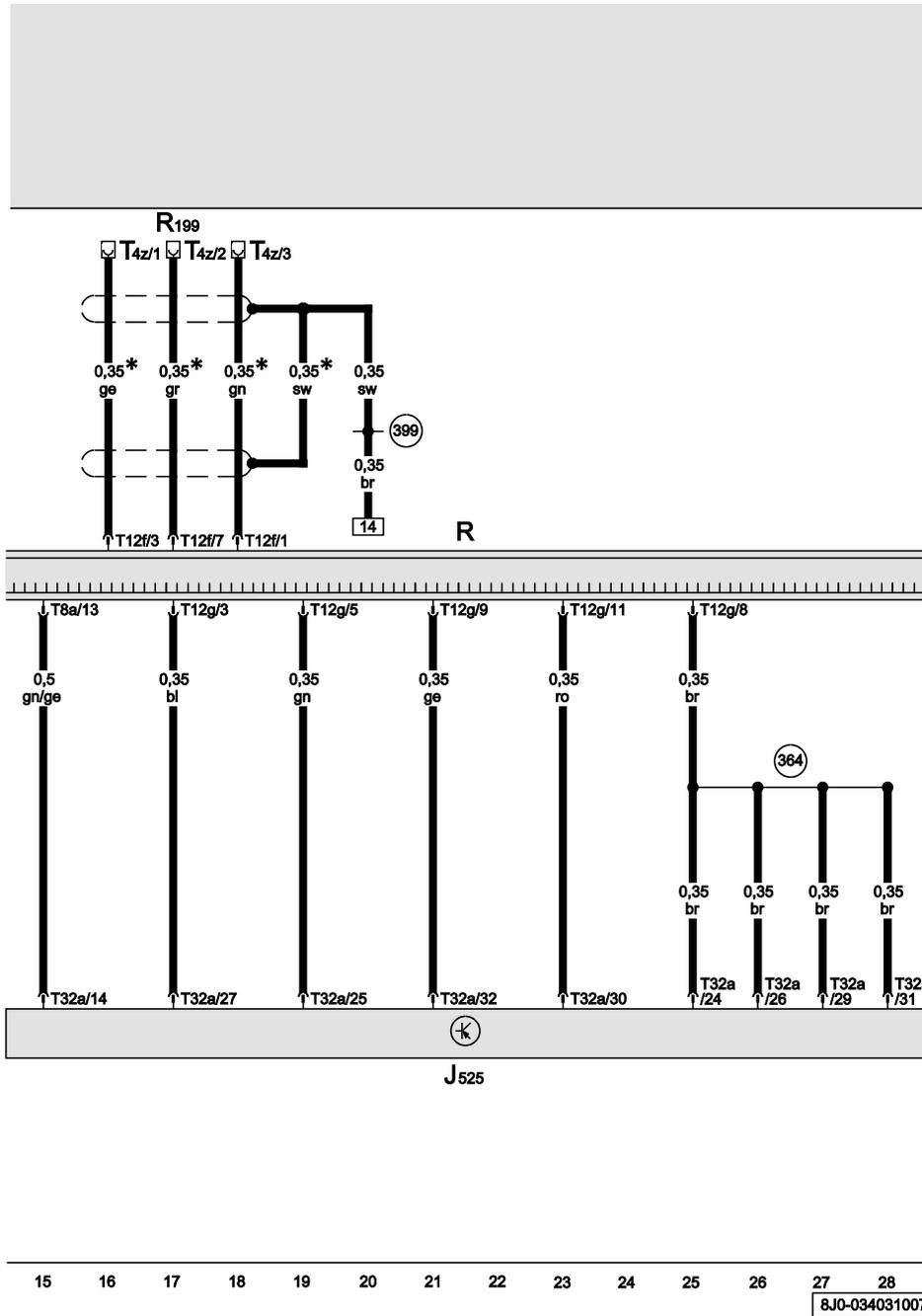


Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin

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



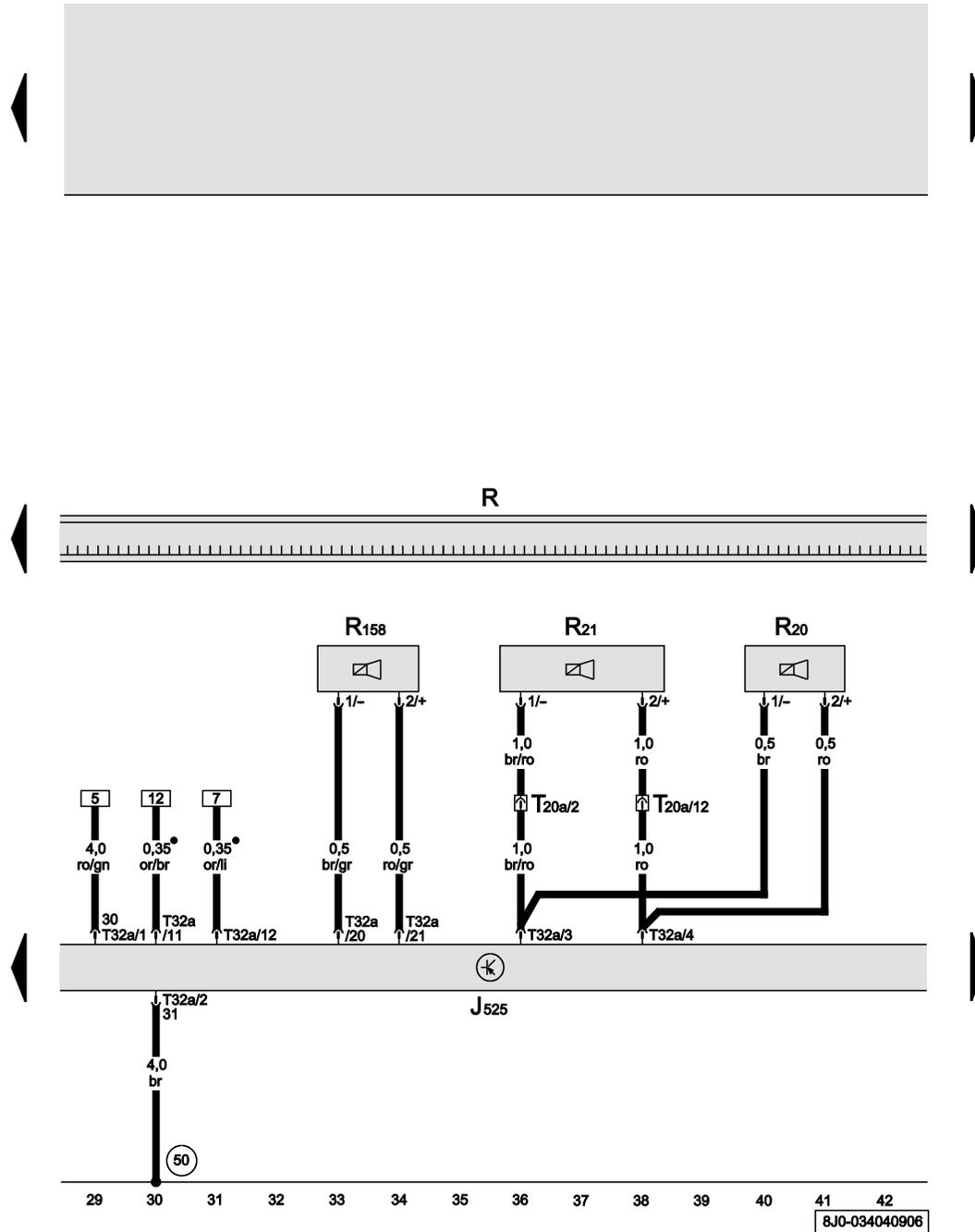
Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left Front Bass Speaker, Center Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R158 Center Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T32a 32-Pin Connector, black, on digital sound system control module

- 50 Ground Connection (in luggage compartment, left)
  - CAN-Bus (data wire)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

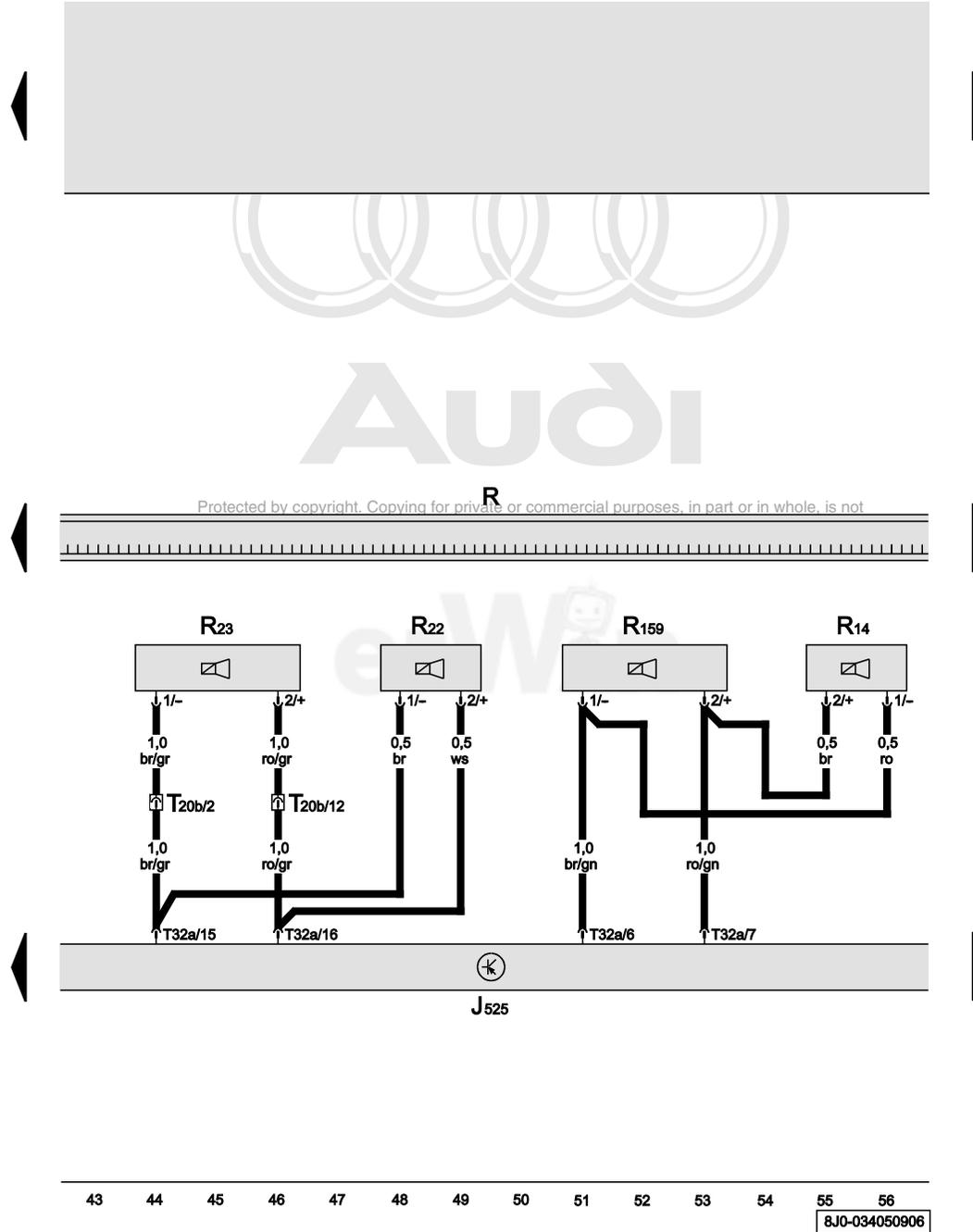


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-034040906

Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Bass Speaker, Left Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T32a 32-Pin Connector, black, on digital sound system control module

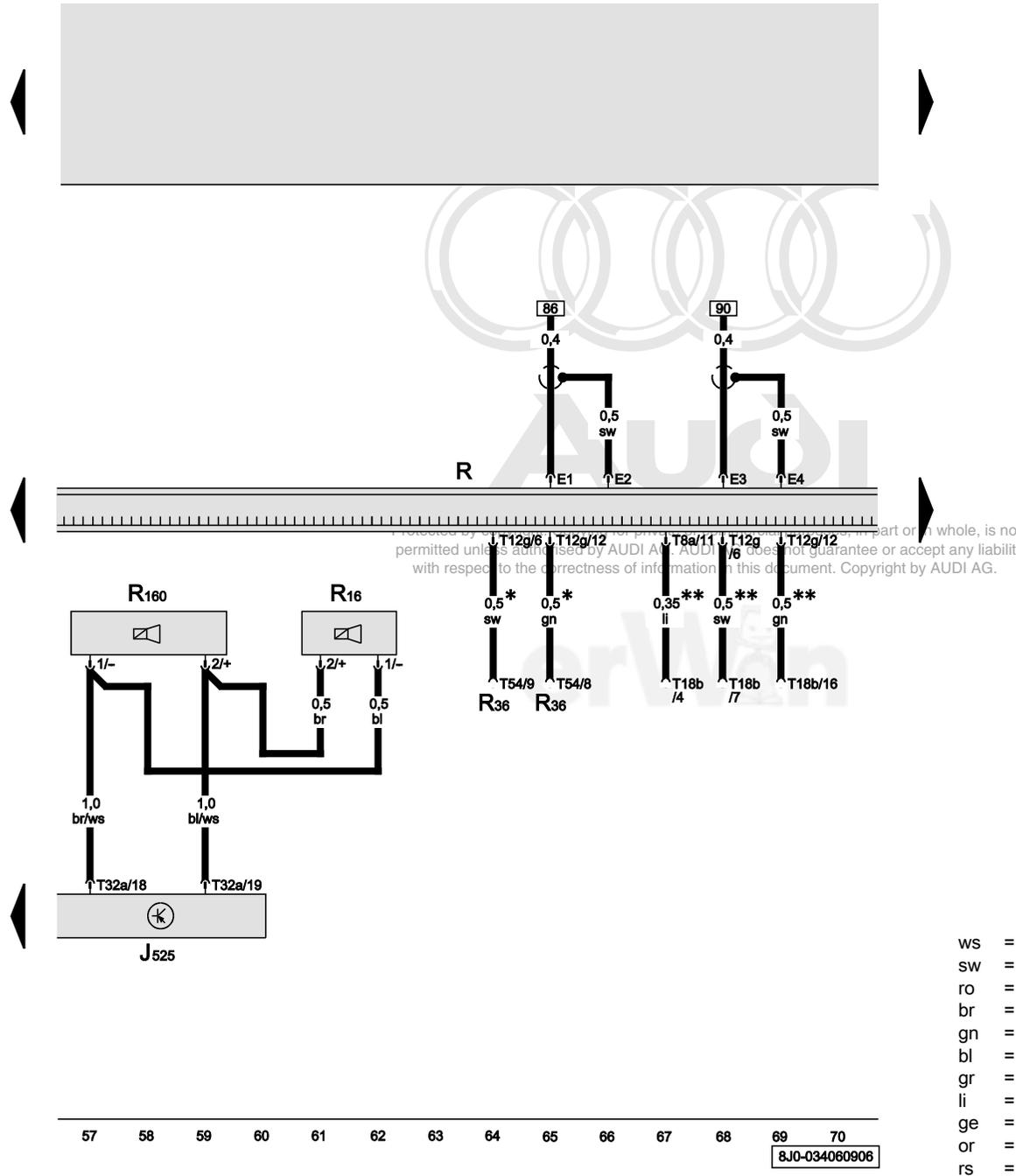


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-034050906

Radio, Digital Sound System Control Module, Right Rear Treble Speaker, Right Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R16 Right Rear Treble Speaker
- R36 Telephone Transceiver
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T32a 32-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- \* Models with cellular telephone preparation (9ZF)
- \*\* Models with cellular telephone preparation (9ZD)



part or a whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

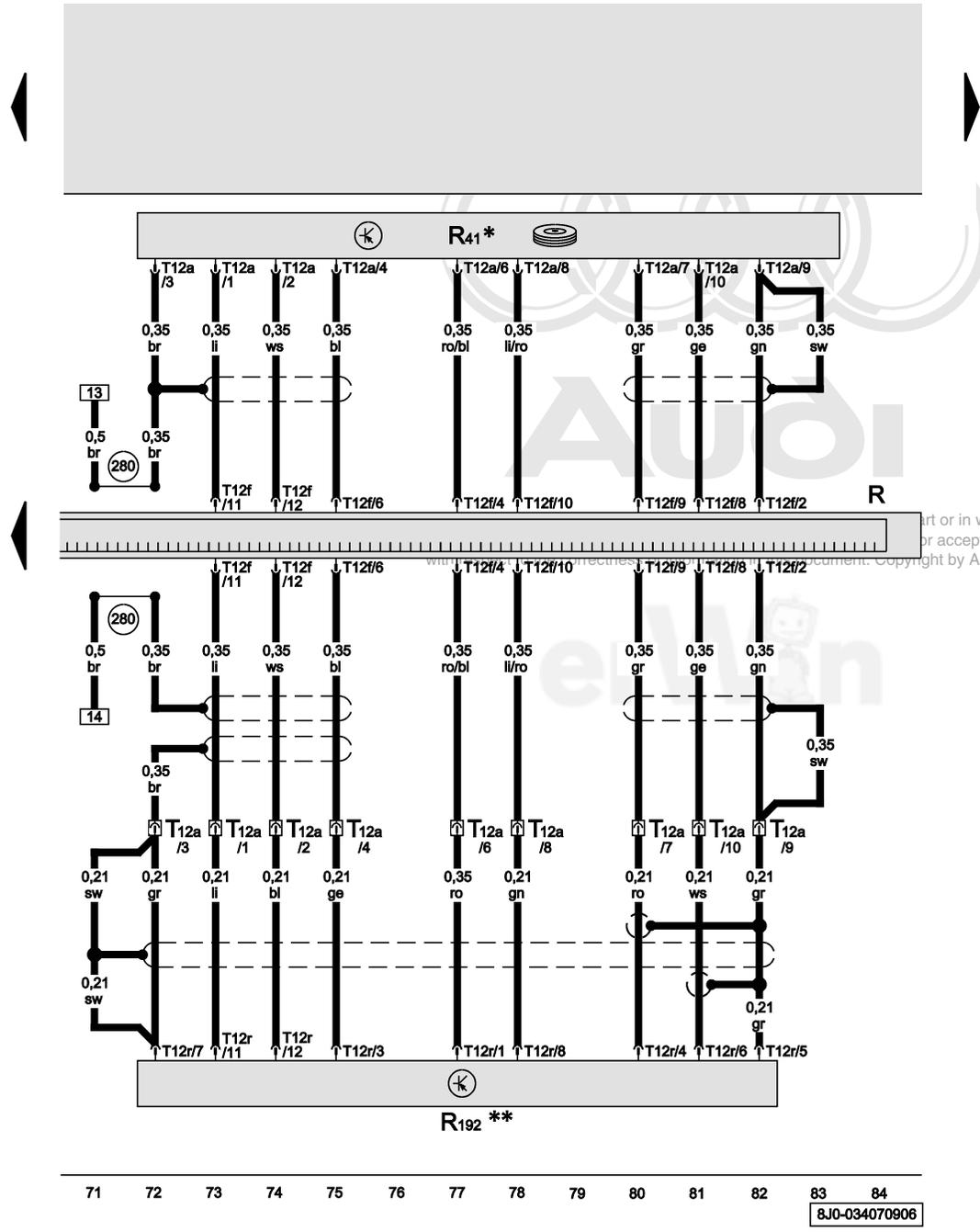
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate

280 Ground Connection (in communication wiring harness)

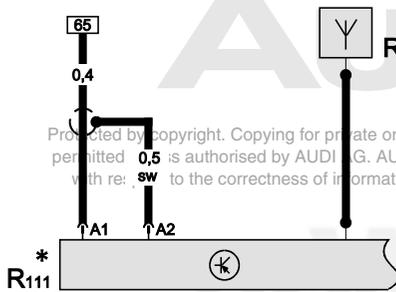
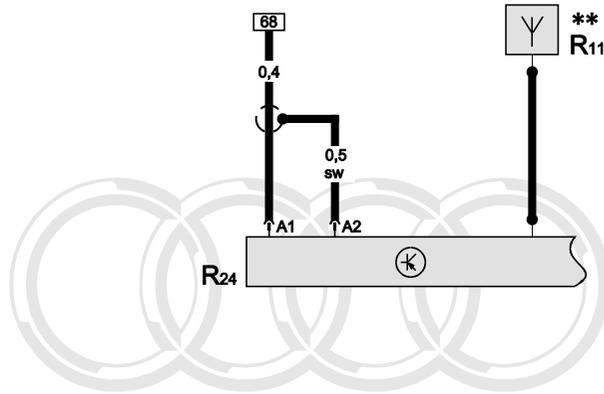
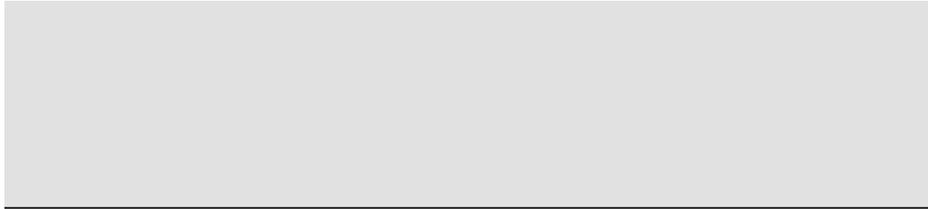
- \* Models with CD changer
- \*\* Models with iPod baseplate



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

Antenna Amplifier, Radio Antenna 2

- R11 Antenna
- R24 Antenna Amplifier
- R93 Radio Antenna 2
- R111 Antenna Amplifier 2
- \* Right rear
- \*\* Rear left rod antenna



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted. This is authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Power Convertible Top

⇒ Electrical Wind Deflector

⇒ Rear Window Heating

from model year 2007

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground Connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

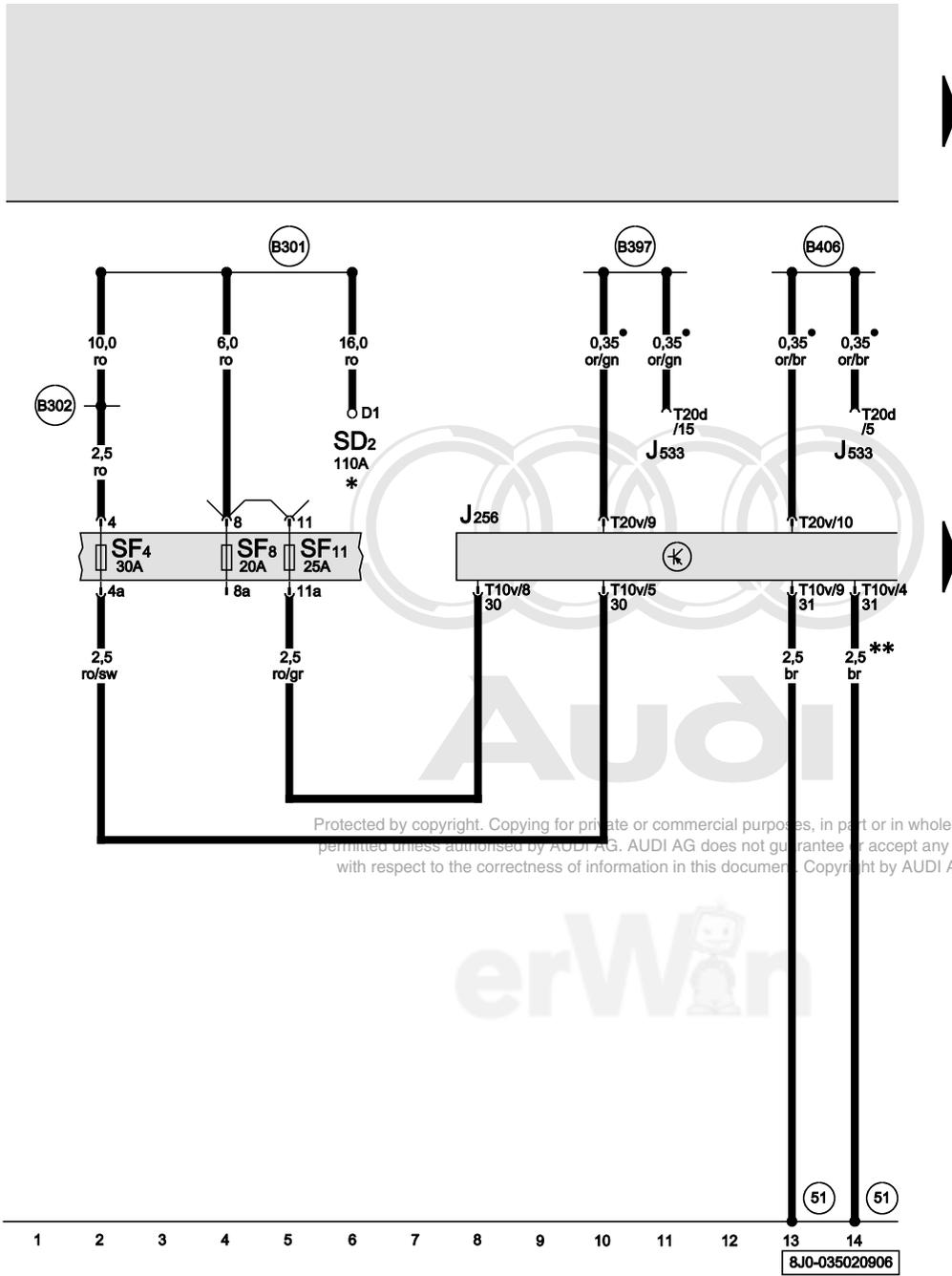
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Convertible Top Control Module, Fuses

- J256 Convertible Top Control Module
- J533 Data Bus On Board Diagnostic Interface
- SD2 Fuse 2 (on fuse panel D)
- SF4 Fuse 4 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20v 20-Pin Connector, red (Connector B), on convertible top control module

- 51 Ground Connection (in luggage compartment, right)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Manual convertible top



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

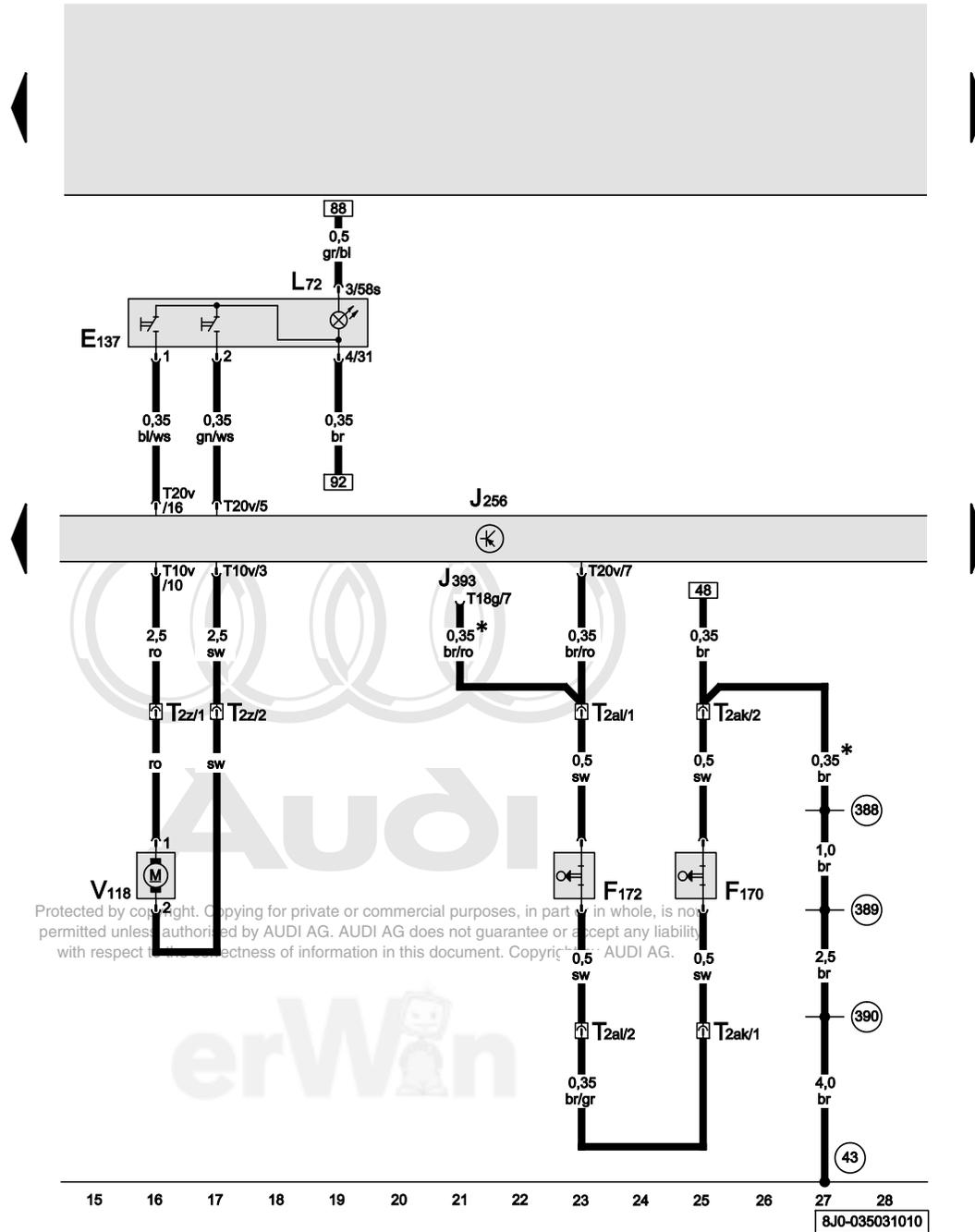
Convertible Top Control Module, Convertible Top Right and Front Lock Switch, Convertible Top Operation Switch, Convertible Top Switch Illumination, Convertible Top Hydraulic Pump

- E137 Convertible Top Operation Switch
- F170 Convertible Top Right Lock Switch
- F172 Convertible Top Front Lock Switch
- J256 Convertible Top Control Module
- J393 Comfort System Central Control Module
- L72 Convertible Top Switch Illumination
- T2z Double Connector, black, in left rear side panel
- T2ak Double Connector, black, A-pillar, right
- T2al Double Connector, black, A-pillar, left
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- V118 Convertible Top Hydraulic Pump

- 43 Ground Connection (on right lower A-pillar)
- 388 Ground Connection 23 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)

\* Manual convertible top

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

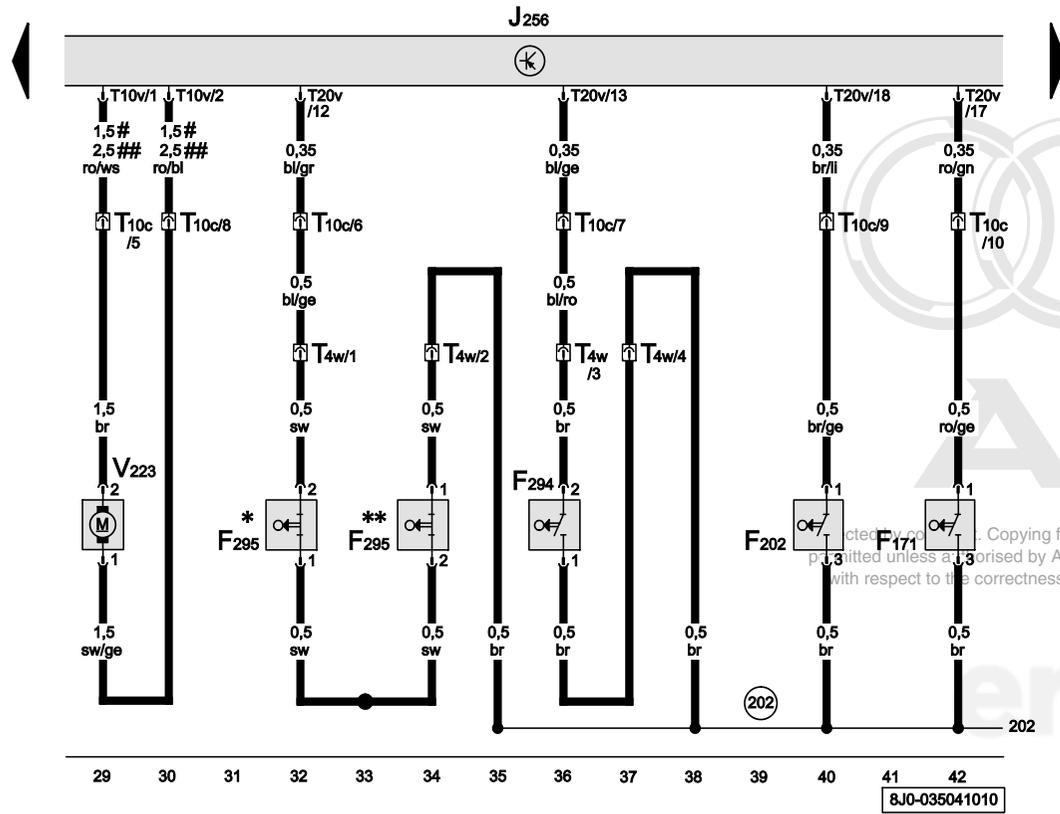


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © AUDI AG.

Convertible Top Control Module, Convertible Top Open Position Switch, Convertible Top Closed Position Switch, Convertible Top Lock Switch (open), Convertible Top Lock Switch (closed), Convertible Top Locking Motor

- F171 Convertible Top Open Position Switch
- F172 Convertible Top Front Lock Switch
- F202 Convertible Top Closed Position Switch
- F294 Convertible Top Lock Switch (open)
- F295 Convertible Top Lock Switch (closed)
- J256 Convertible Top Control Module
- T4w 4-Pin Connector, black, near left locking motor
- T10c 10-Pin Connector, black, left rear side panel
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- V223 Convertible Top Locking Motor
- 202 Ground Connection (in convertible top wiring harness)

- \* Left
- \*\* Right
- # Through May 2007
- ## from June 2007



Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

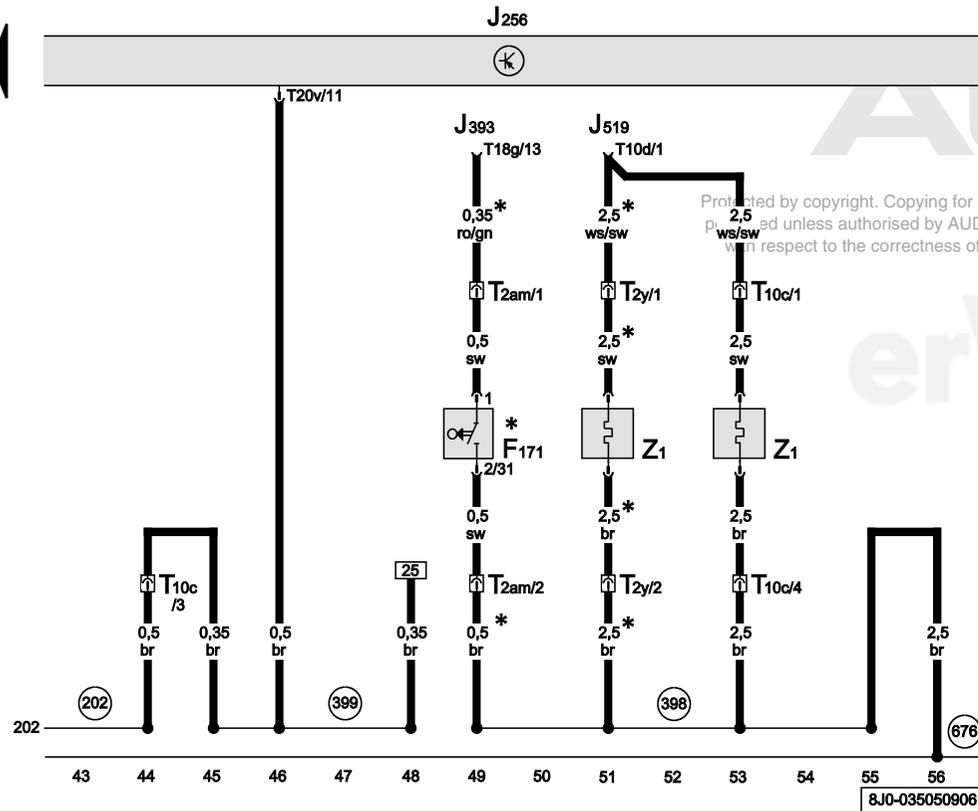
Convertible Top Control Module, Convertible Top Open Position Switch, Heated Rear Window

- F171 Convertible Top Open Position Switch
- J256 Convertible Top Control Module
- J393 Comfort System Central Control Module
- J519 Vehicle Electrical System Control Module
- T2y Double Connector, left side panel
- T2am Double Connector, black, left rear side panel
- T10c 10-Pin Connector, black, left rear side panel
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module
- T18g 18-Pin Connector, brown (Connector A), on comfort system central control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- Z1 Heated Rear Window

- 202 Ground Connection (in convertible top wiring harness)
- 398 Ground Connection 33 (in main wiring harness)
- 399 Ground Connection 34 (in main wiring harness)
- 676 Ground Connection 2 (in left luggage compartment)

\* Manual convertible top

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

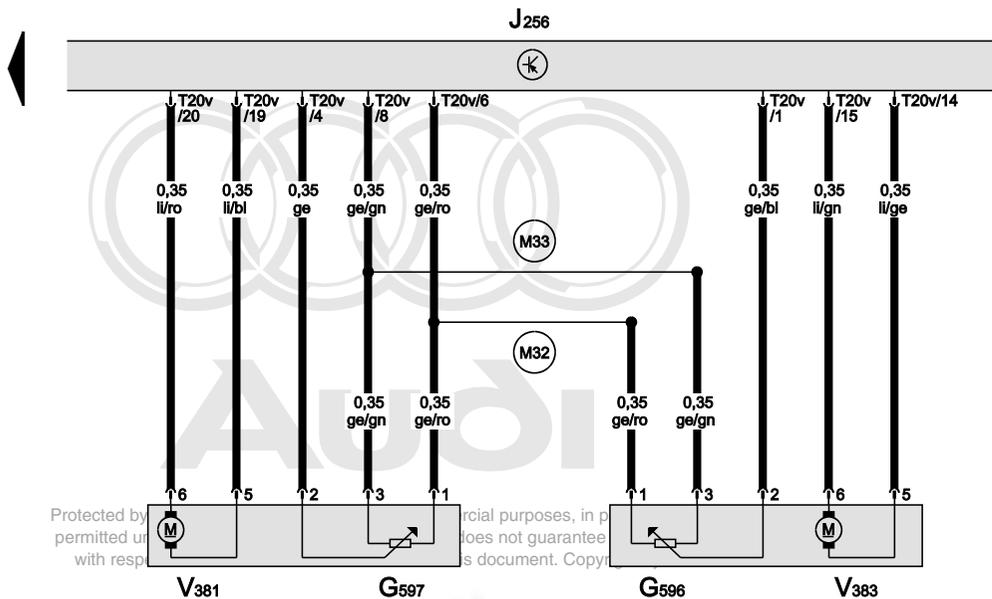
8J0-035050906

Convertible Top Control Module, Left and Right Top Flap Sensor, Left and Right Top Flap Motor

- G596 Left Top Flap Sensor
- G597 Right Top Flap Sensor
- J256 Convertible Top Control Module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- V381 Right Top Flap Motor
- V383 Left Top Flap Motor

M32 Connection 1 (in convertible top wiring harness)

M33 Connection 2 (in convertible top wiring harness)



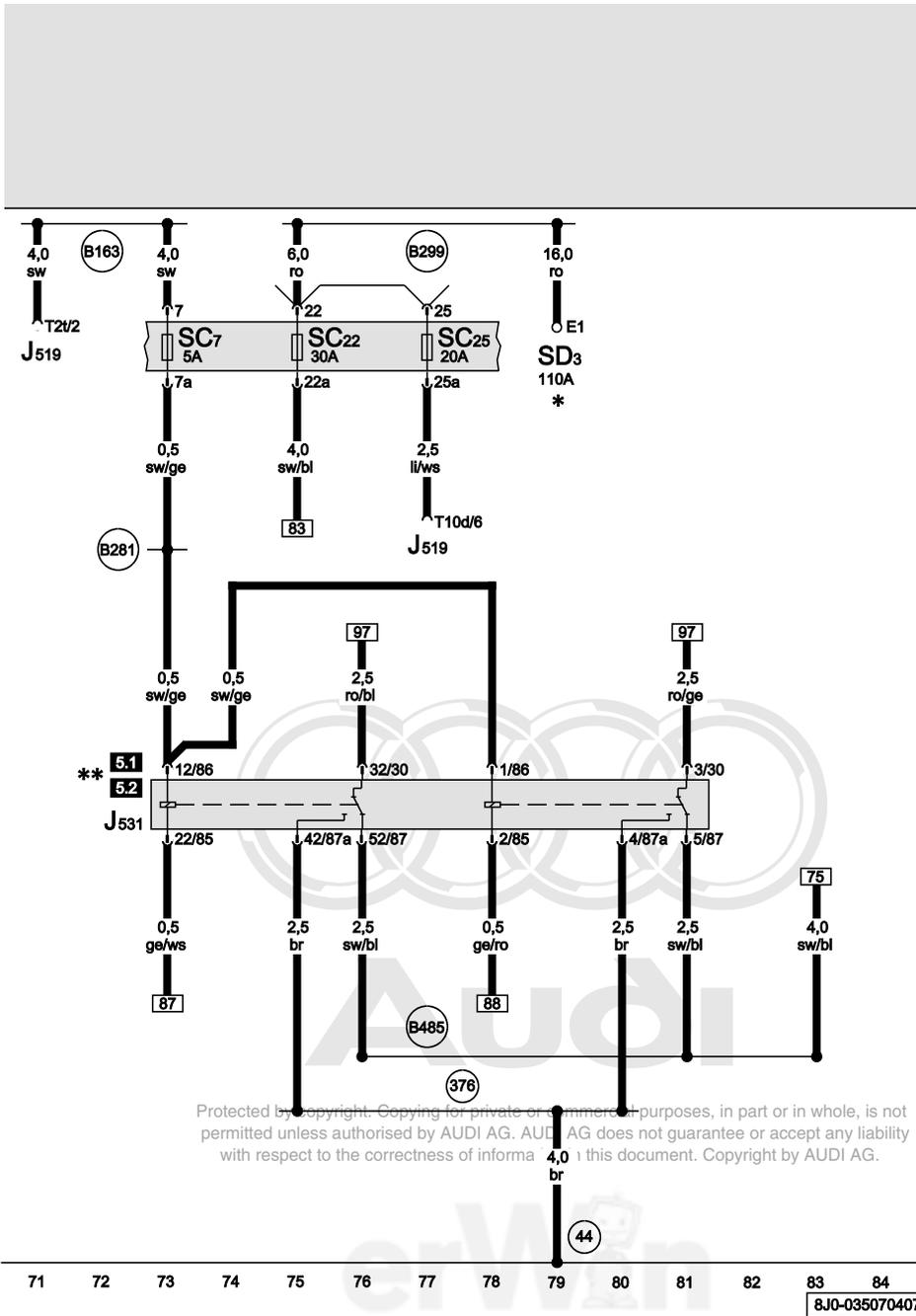
Protected by copyright. All rights reserved. This document is for informational purposes only. It does not guarantee the accuracy of the information. Copying or distribution is prohibited without the written permission of the copyright holder.

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

Electrical Wind Deflector

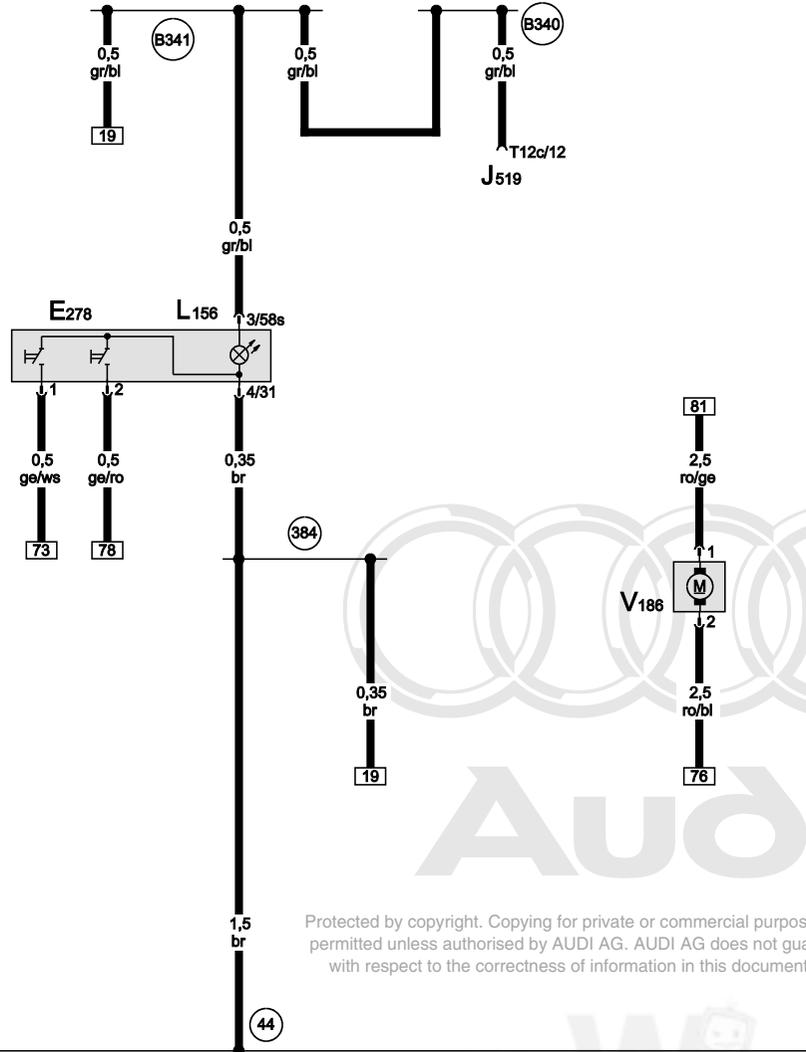
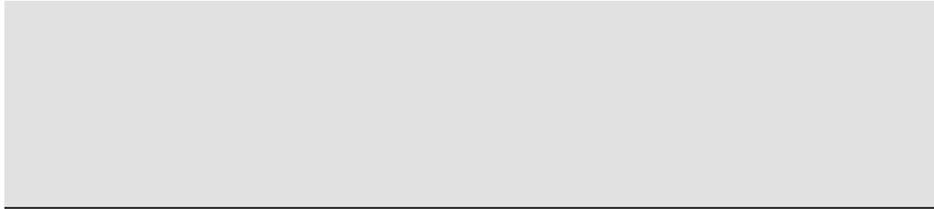
- J519 Vehicle Electrical System Control Module
- J531 Wind Deflector Control Module (Cabrio)
- SC7 Fuse 7 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC25 Fuse 25 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T10d 10-Pin Connector, black (Connector K), on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 376 Ground Connection 11 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Wind deflector relay, relay carrier under left instrument panel



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



Electrical Wind Deflector

- E278 Wind Deflector Switch (Cabrio)
- J519 Vehicle Electrical System Control Module
- L156 Switch Illumination Lamp
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- V186 Wind Deflector Motor (Cabrio)

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B340 Connection 1 (58s) (in main wiring harness)
- B341 Connection 2 (58s) (in main wiring harness)

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG

## Electrical Tire Pressure Monitoring (7K8) USA

from model year 2007

### Note:

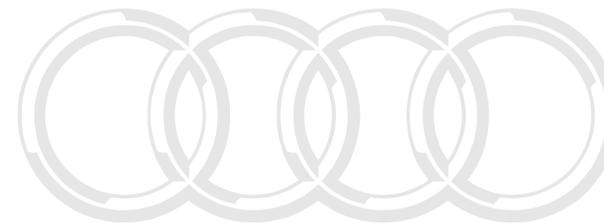
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

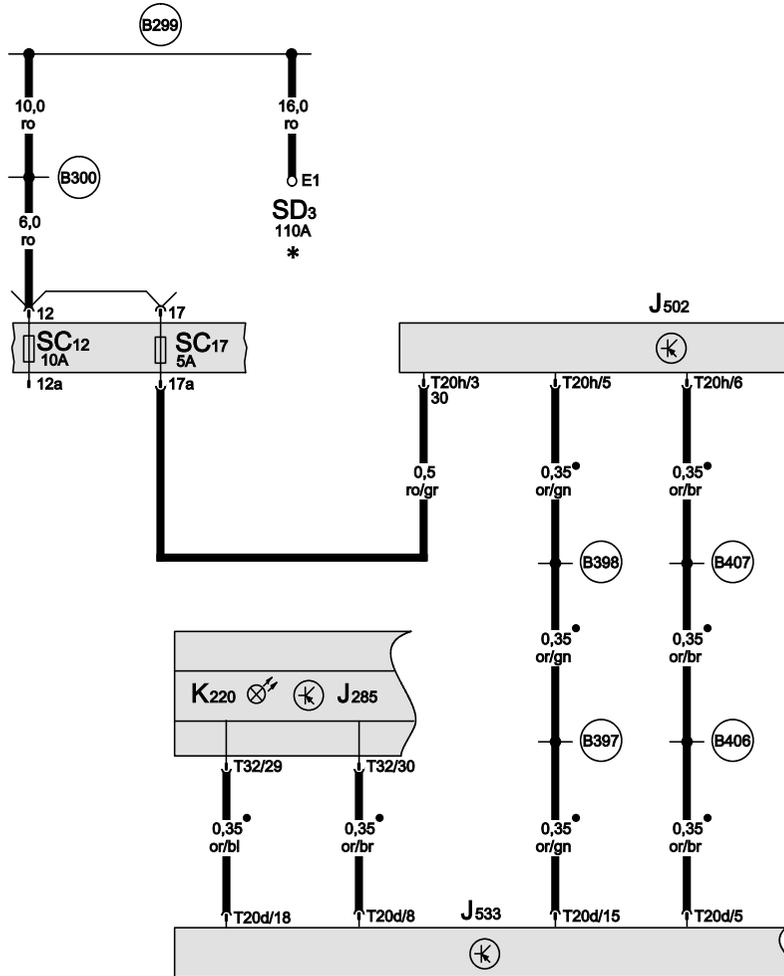
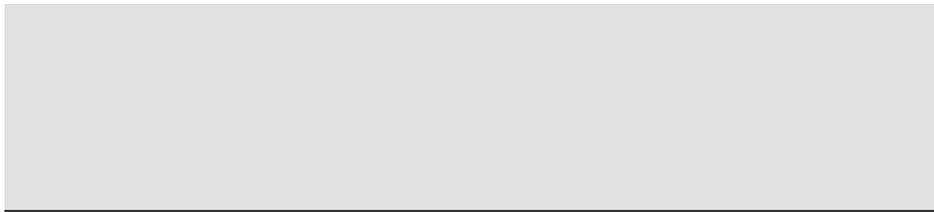
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Tire Pressure Monitoring Control Module, Tire Pressure Monitoring Display Indicator Lamp, Fuses

- J285 Instrument Cluster Control Module
- J502 Tire Pressure Monitoring Control Module
- J533 Data Bus On Board Diagnostic Interface
- K220 Tire Pressure Monitoring Display Indicator Lamp
- SC12 Fuse 12 (on fuse panel C)
- SC17 Fuse 17 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20h 20-Pin Connector, red, on tire pressure monitoring control module 2
- T32 32-Pin Connector, blue, on instrument cluster control module

- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

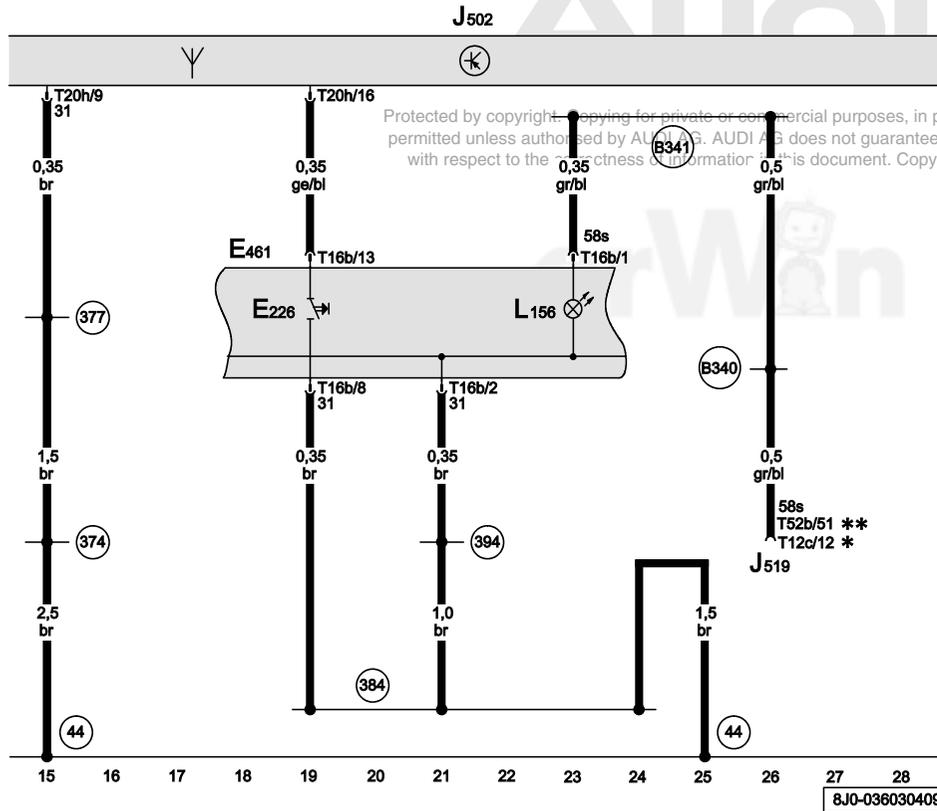
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

8J0-036020409

**Tire Pressure Monitoring Control Module, Tire Pressure Monitoring Button, Left and Right Front Tire Pressure Monitoring Sensor, Left and Right Rear Tire Pressure Monitoring Sensor**

- E226 Tire Pressure Monitoring Button
- E461 Front/Center Console Control Head
- G222 Left Front Tire Pressure Monitoring Sensor
- G223 Right Front Tire Pressure Monitoring Sensor
- G224 Left Rear Tire Pressure Monitoring Sensor
- G225 Right Rear Tire Pressure Monitoring Sensor
- J502 Tire Pressure Monitoring Control Module
- J519 Vehicle Electrical System Control Module
- L156 Switch Illumination Lamp
- T12c 12-Pin Connector, black (Connector B), on vehicle electrical system control module
- T16b 16-Pin Connector, brown, on center console switch module
- T20h 20-Pin Connector, red, on tire pressure monitoring control module 2
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module



- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 377 Ground Connection 12 (in main wiring harness)
- 384 Ground Connection 19 (in main wiring harness)
- 394 Ground Connection 29 (in main wiring harness)
- B340 Connection 1 (58s) (in main wiring harness)
- B341 Connection 2 (58s) (in main wiring harness)
- \* Through May 2009
- \*\* from June 2009

8J0-036030409

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon) and Automatic Headlamp Range Control

⇒ Parking Light and Daytime Running Light with Light Emitting Diode (LED)

from March 2008

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

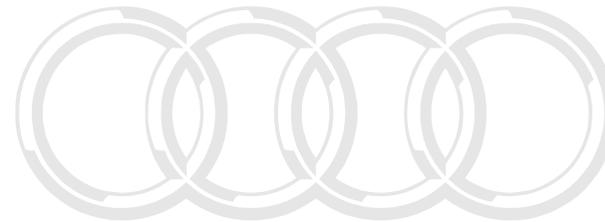
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

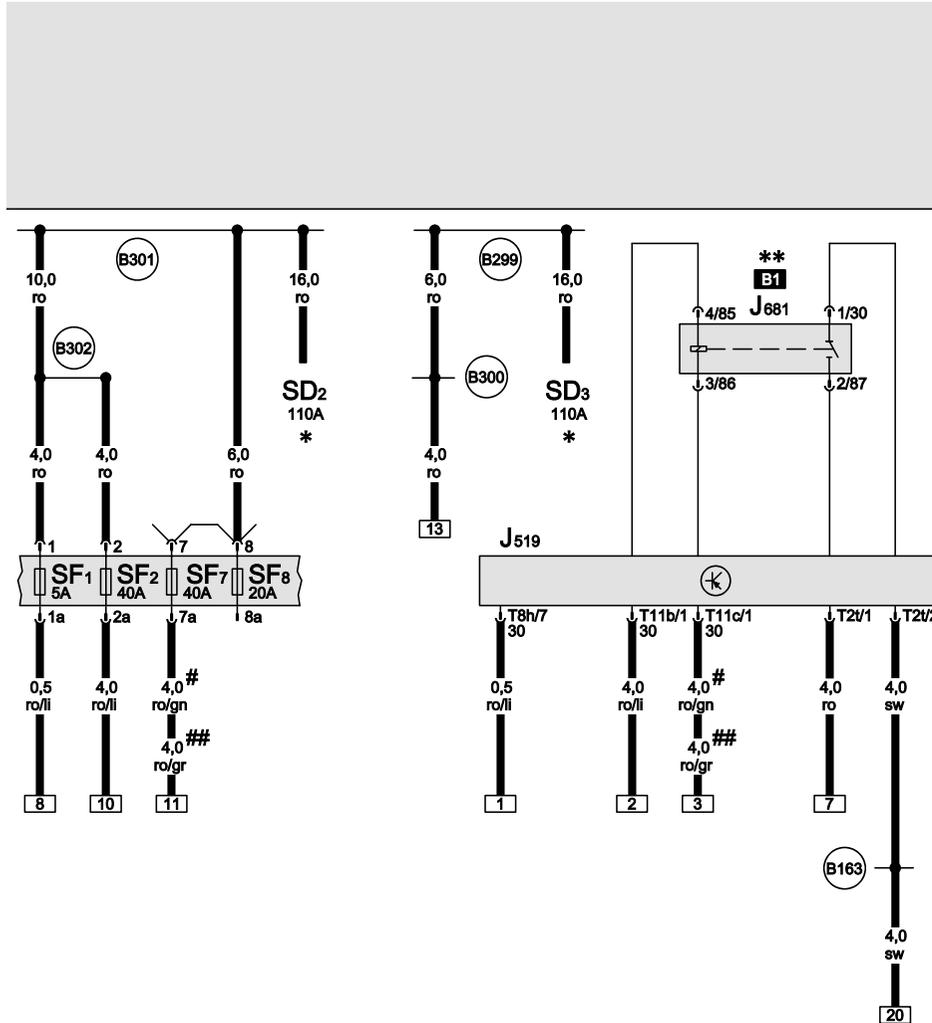
⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module

B163 Plus Connection 1 (15) (in interior wiring harness)

B299 Plus Connection 3 (30) (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the prior written consent of Audi AG. Copyright by Audi AG.

B300 Plus Connection 4 (30) (in main wiring harness)

B301 Plus Connection 5 (30) (in main wiring harness)

B302 Plus Connection 6 (30) (in main wiring harness)

\* Main fuse panel, in right rear luggage compartment on battery Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left

# Coupé  
## Roadster

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

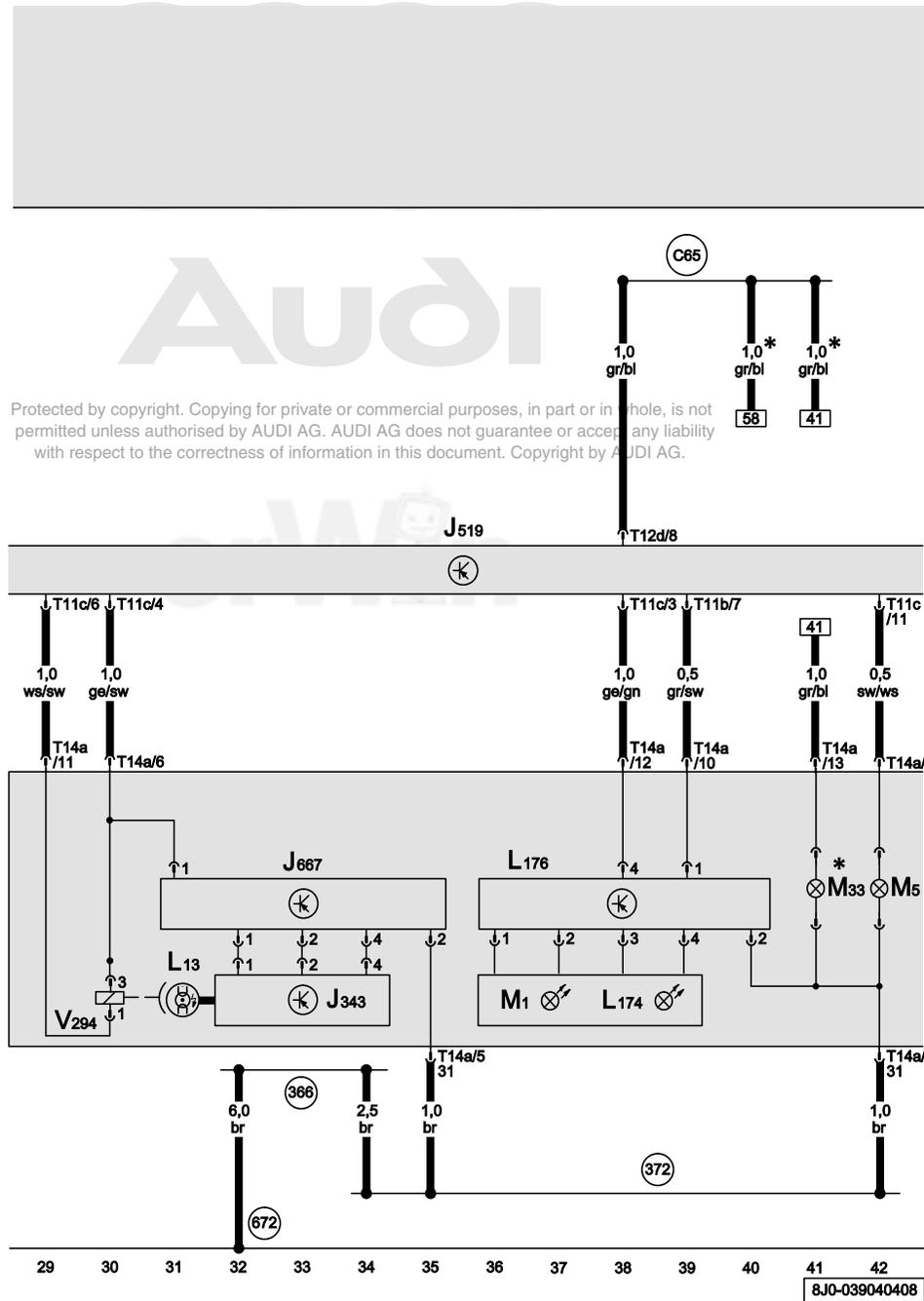


Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- L176 Left LED Parking Lamp/DRL Module
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module
- T14a 14-Pin Connector, black, on left headlamp
- V294 Left Low Beam Reflector Motor

- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- C65 Side Marker Light Plus Connection 1

\* Only USA



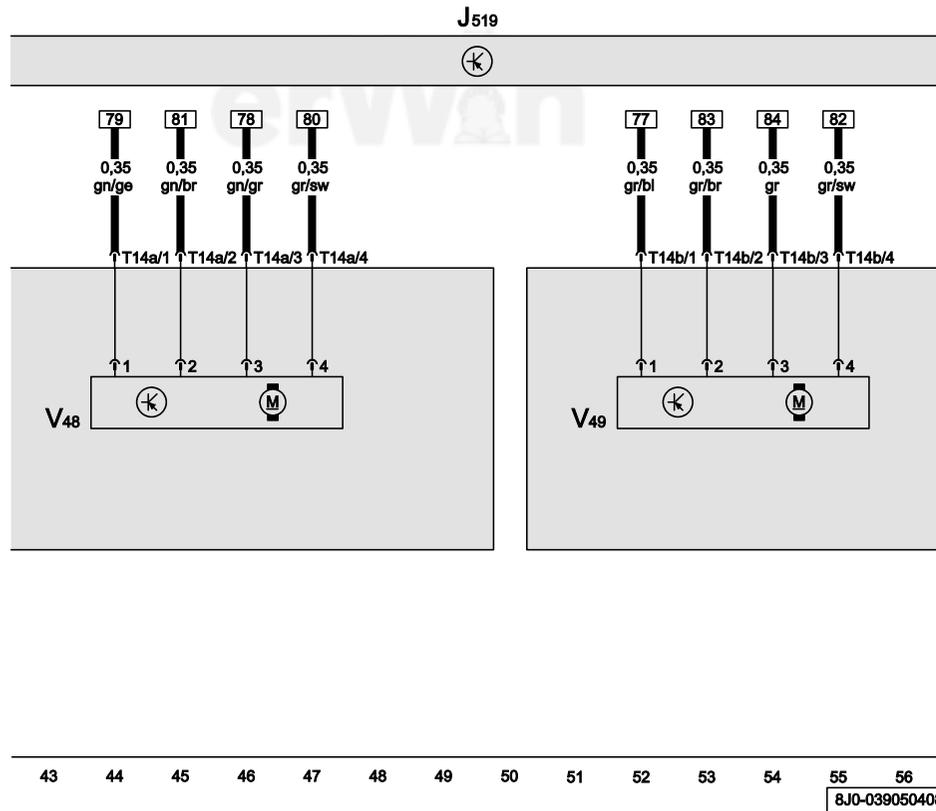
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle Electrical System Control Module, Left Headlamp Beam Adjustment Motor, Right Headlamp Beam Adjustment Motor

- J519 Vehicle Electrical System Control Module
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V48 Left Headlamp Beam Adjustment Motor
- V49 Right Headlamp Beam Adjustment Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

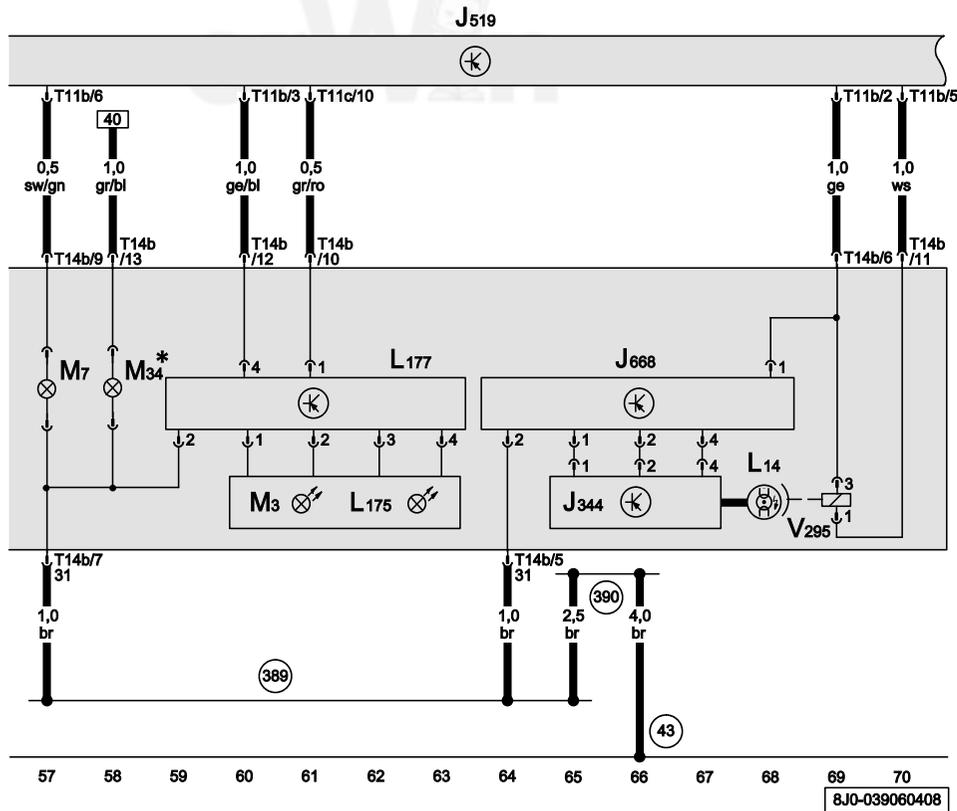
Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module, Right Headlamp Power Output Stage

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J668 Right Headlamp Power Output Stage
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- L177 Right LED Parking Lamp/DRL Module
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T14b 14-Pin Connector, black, on right headlamp
- V295 Right Low Beam Reflector Motor

- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)

\* Only USA

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

**Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor**

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

44 Ground Connection (on left lower A-pillar)

384 Ground Connection 19 (in main wiring harness)

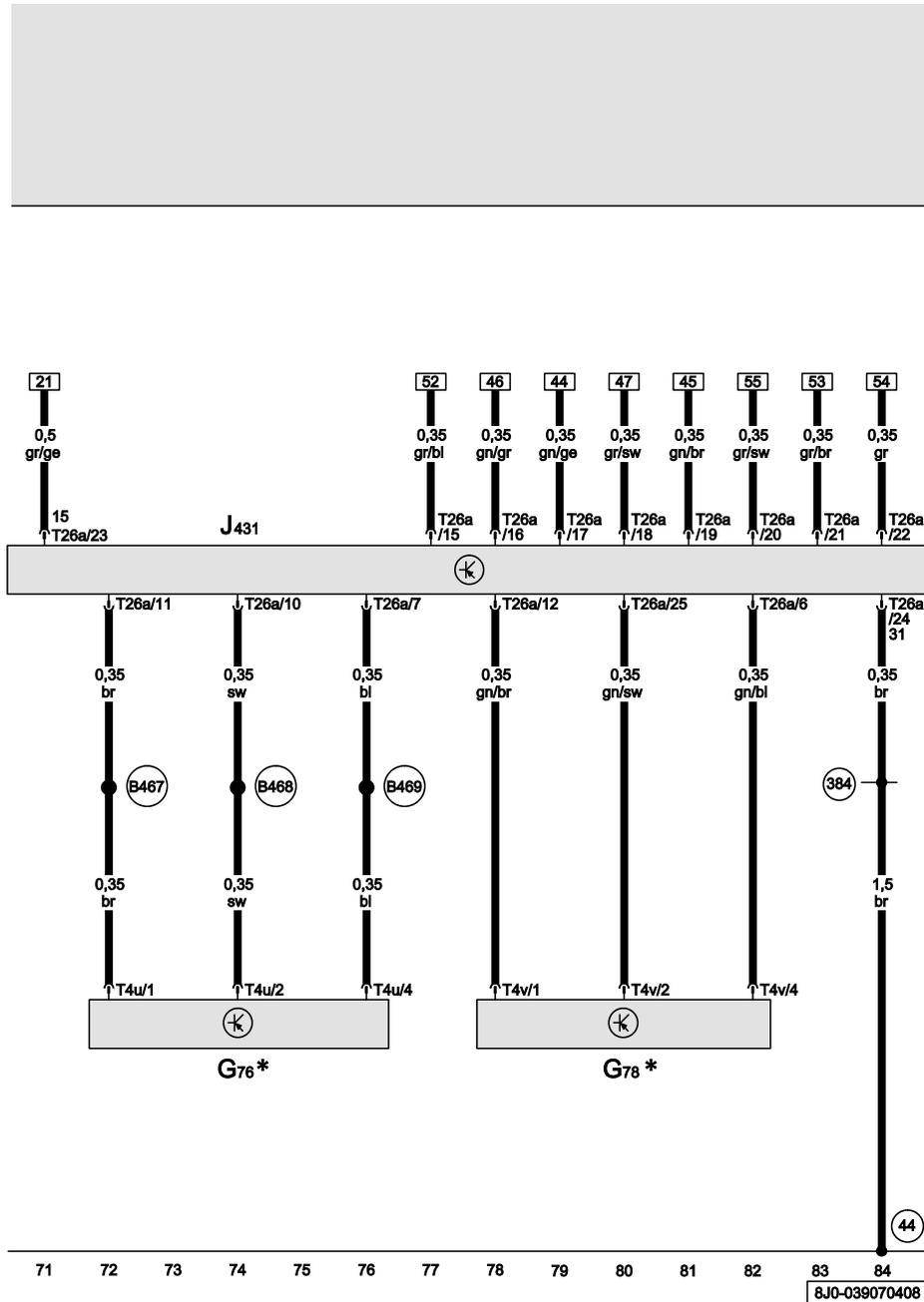
B467 Connection 3 (in main wiring harness)

B468 Connection 4 (in main wiring harness)

B469 Connection 5 (in main wiring harness)

\* Not for electronic damping

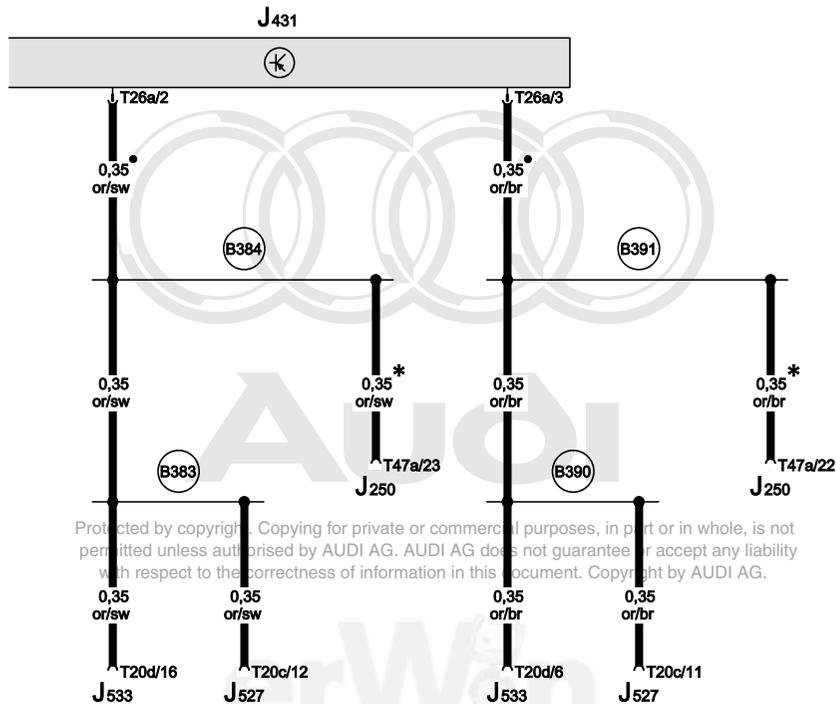
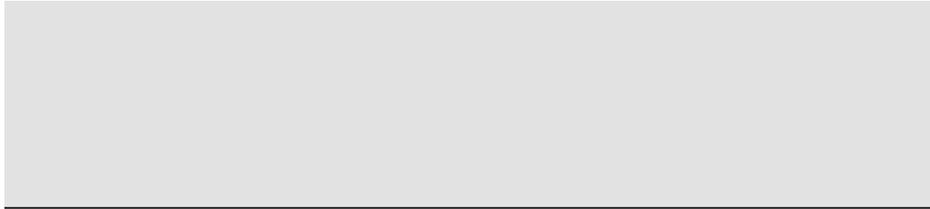
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module
- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B384) Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B391) Powertrain CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* With electronic damping



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon), Cornering Lamp and Automatic Headlamp Range Control

⇒ Parking Light and Daytime Running Light with Light Emitting Diode (LED)

from March 2008

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

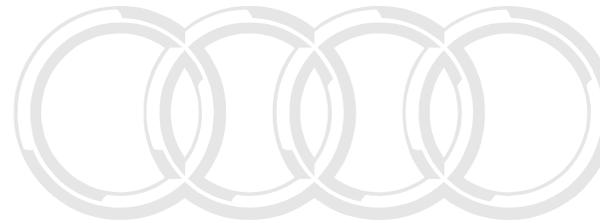
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052

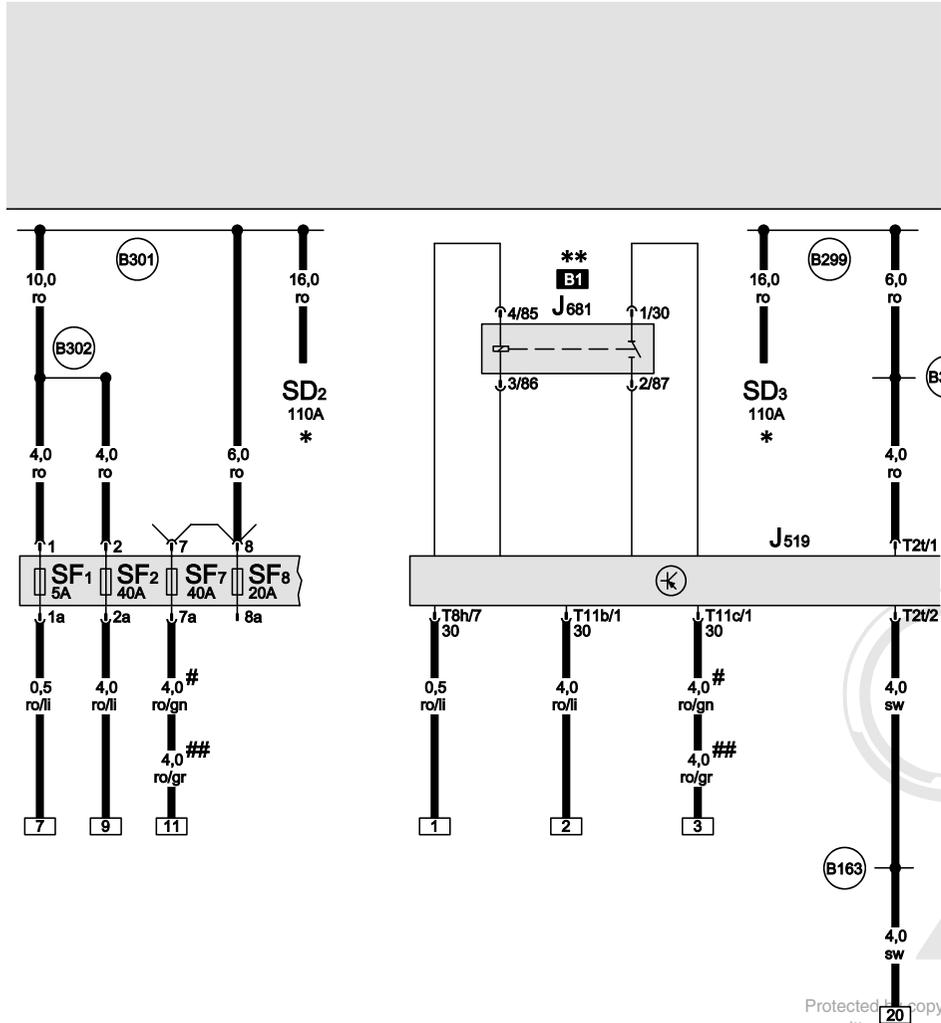


# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses



- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module, under instrument panel, left
- # Coupé
- ## Roadster

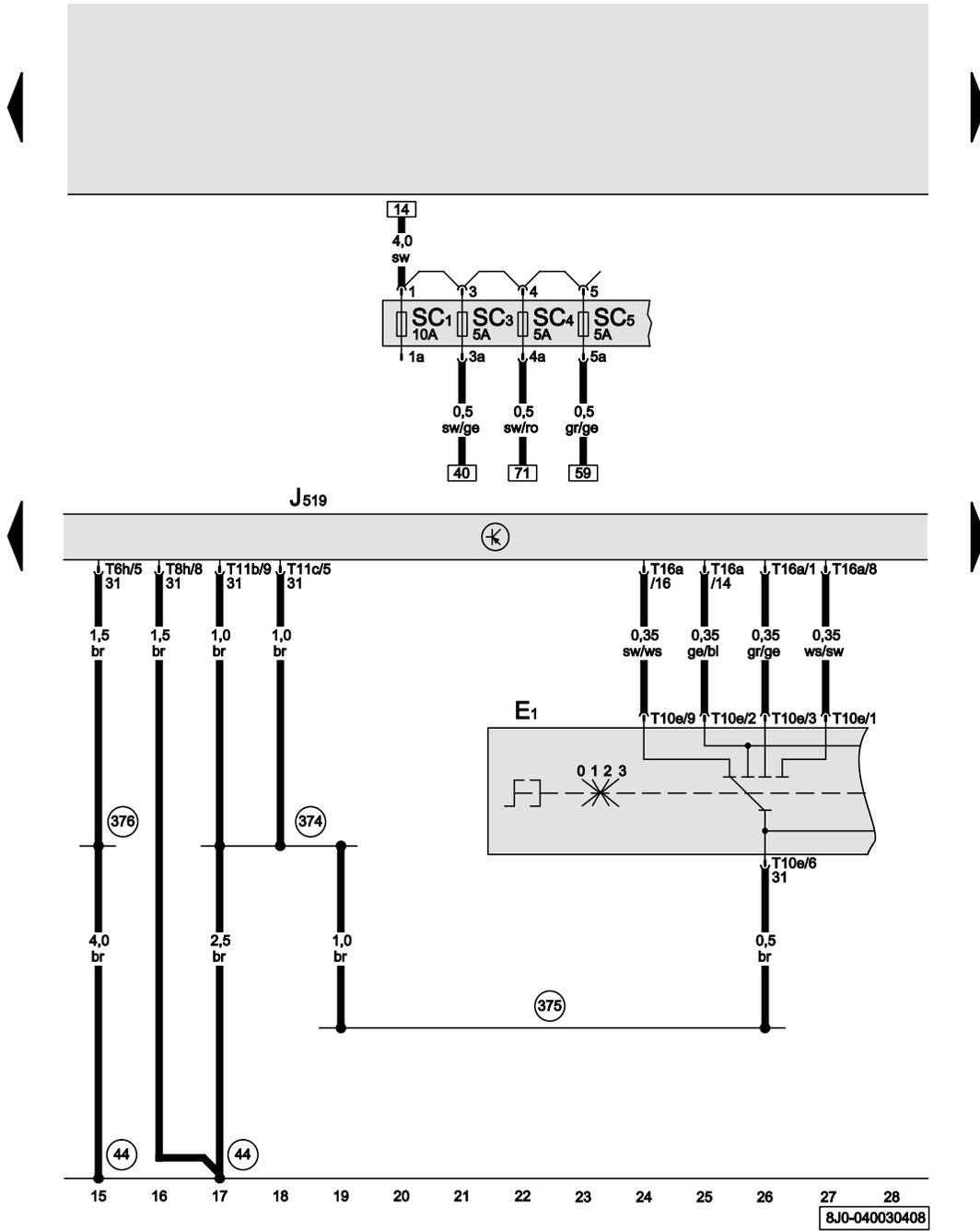
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T6h 6-Pin Connector (Connector J), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T10e 10-Pin Connector, black (Connector A), on light switch
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 376 Ground Connection 11 (in main wiring harness)



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

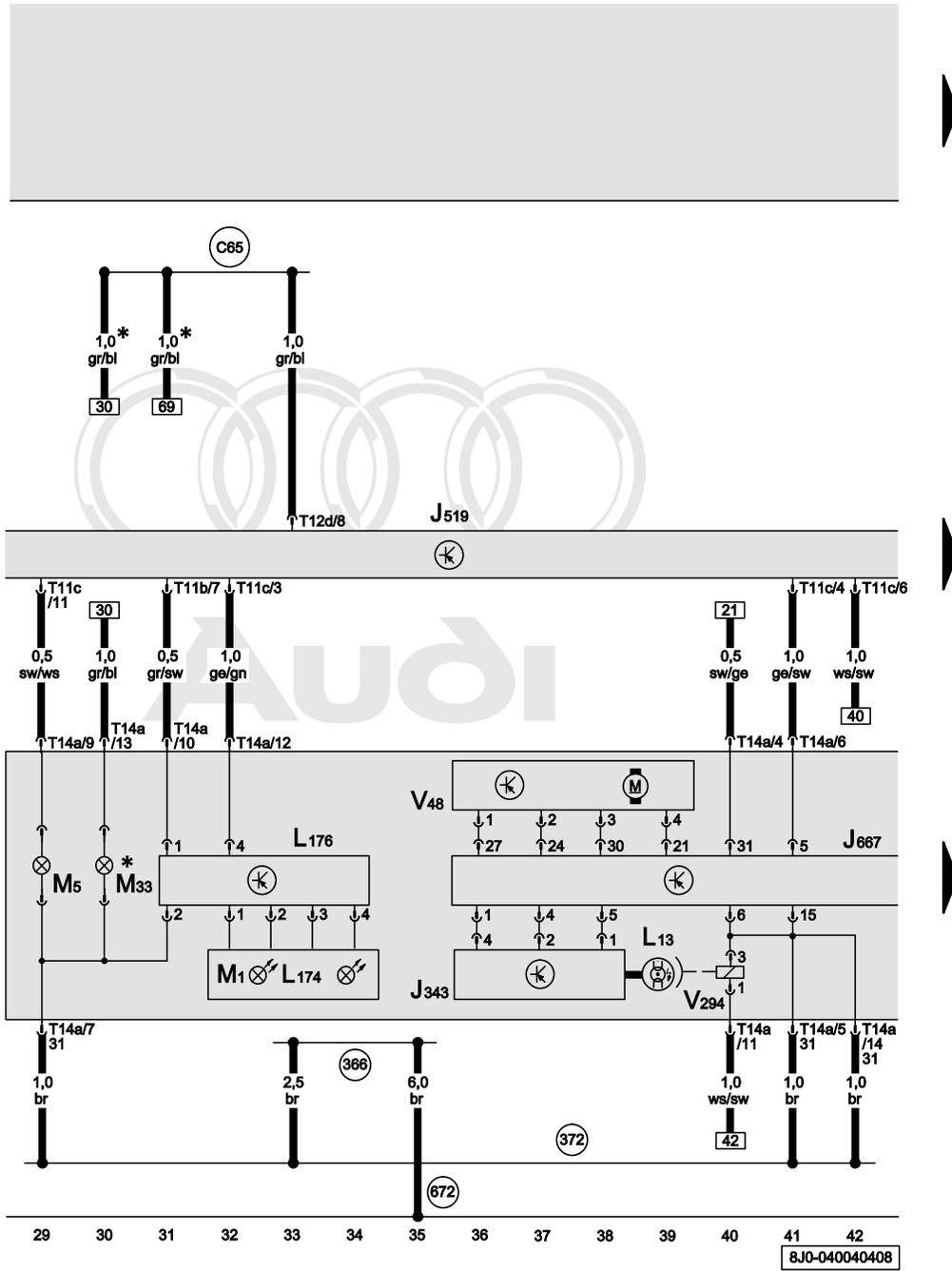


Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- L176 Left LED Parking Lamp/DRL Module
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T12d 12-Pin Connector, brown (Connector C), on vehicle electrical system control module
- T14a 14-Pin Connector, black, on left headlamp
- V48 Left Headlamp Beam Adjustment Motor
- V294 Left Low Beam Reflector Motor

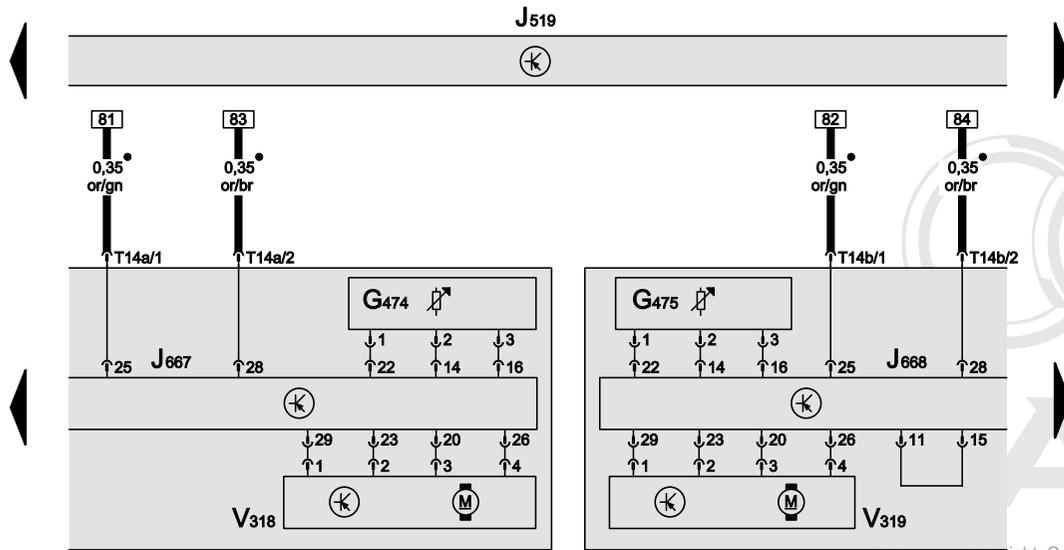
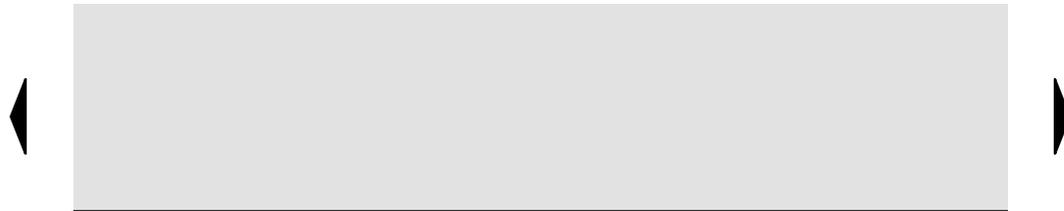
- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- C65 Side Marker Light Plus Connection 1
- \* Only USA

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



Vehicle Electrical System Control Module, Left Headlamp Power Output Stage, Right Headlamp Power Output Stage, Swivel Module Position Sensor, Dynamic Cornering Light Motor

- G474 Left Swivel Module Position Sensor
- G475 Right Swivel Module Position Sensor
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- J668 Right Headlamp Power Output Stage
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V318 Left Dynamic Cornering Light Motor
- V319 Right Dynamic Cornering Light Motor
- CAN-Bus (data wire)



Protected by copyright. Copying for private commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

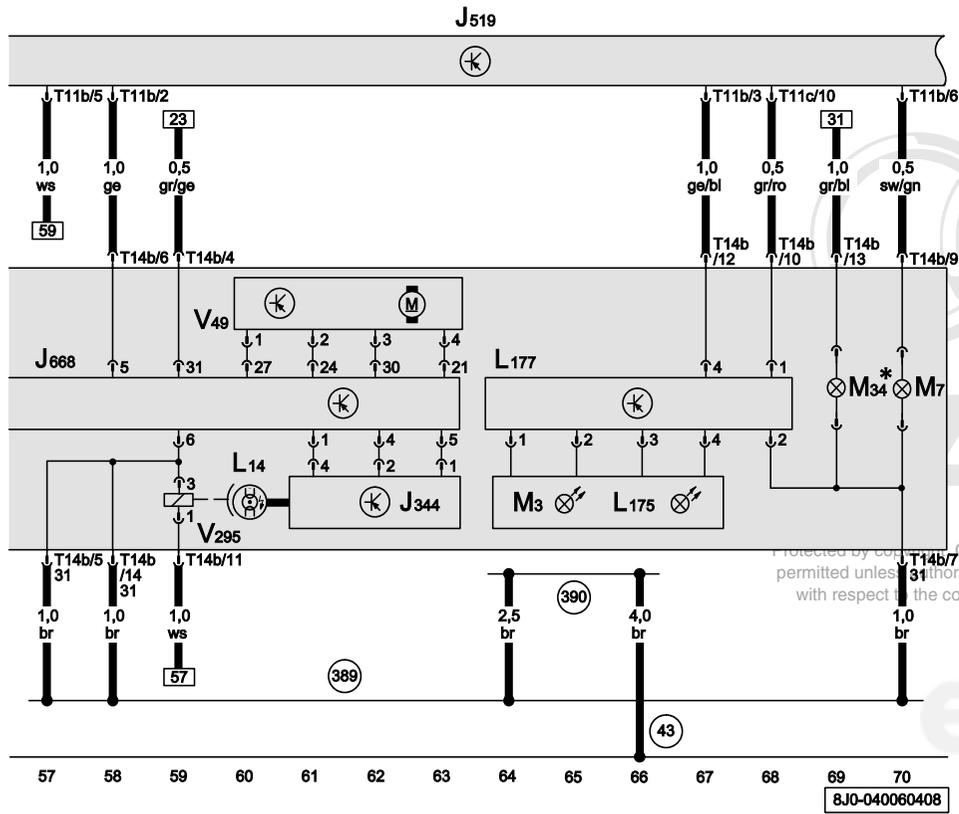
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module, Right Headlamp Power Output Stage

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J668 Right Headlamp Power Output Stage
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- L177 Right LED Parking Lamp/DRL Module
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T11c 11-Pin Connector, brown (Connector D), on vehicle electrical system control module
- T14b 14-Pin Connector, black, on right headlamp
- V49 Right Headlamp Beam Adjustment Motor
- V295 Right Low Beam Reflector Motor

- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)

\* Only USA



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

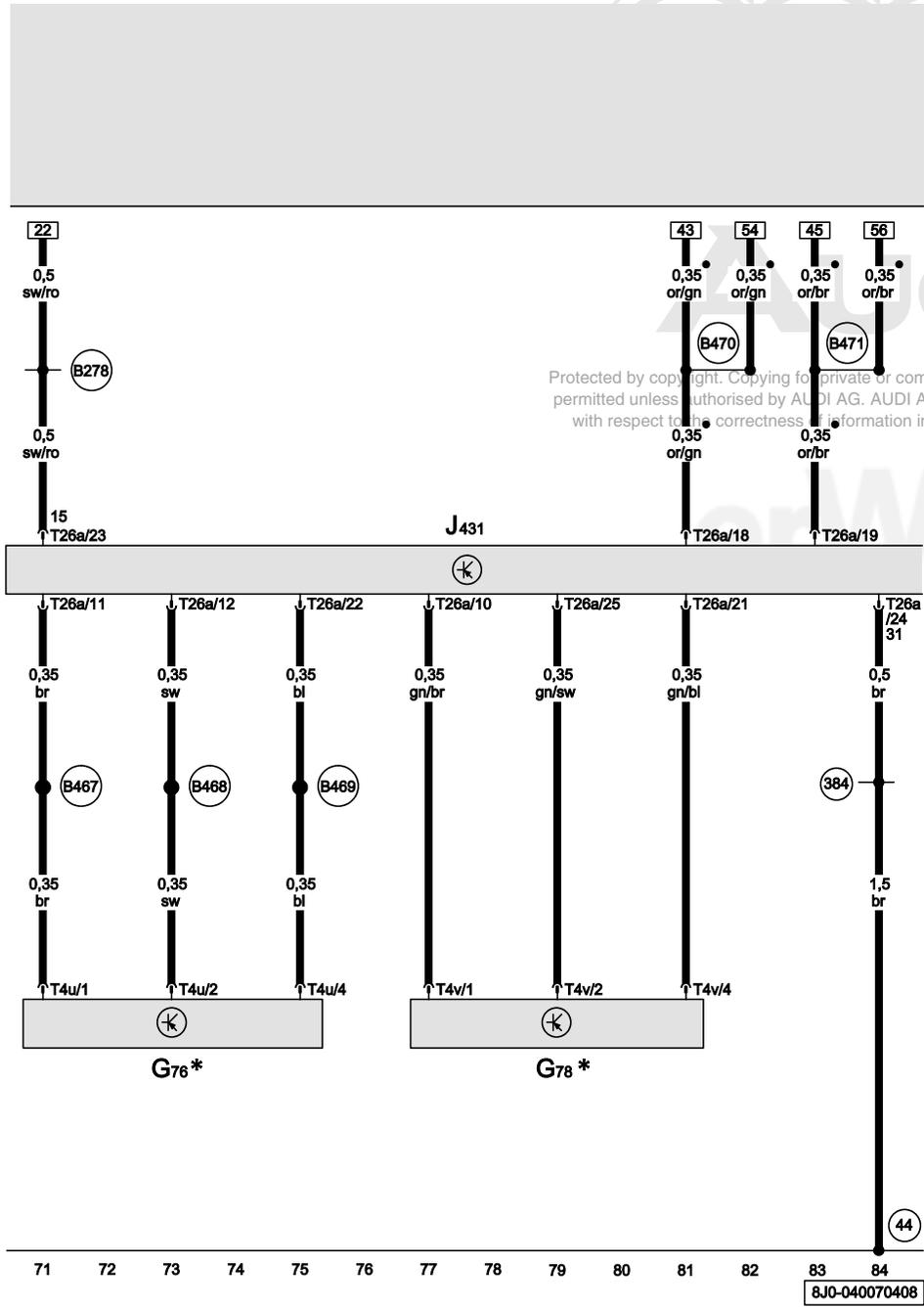
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-040060408

Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)
- B470 Connection 6 (in main wiring harness)
- B471 Connection 7 (in main wiring harness)
- CAN-Bus (data wire)
- \* Not for electronic damping



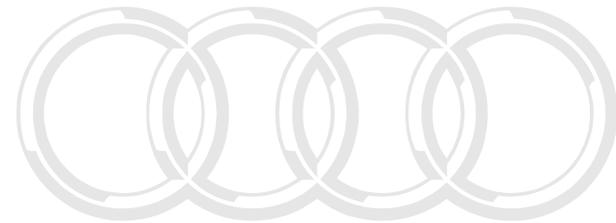
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B384) Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B391) Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

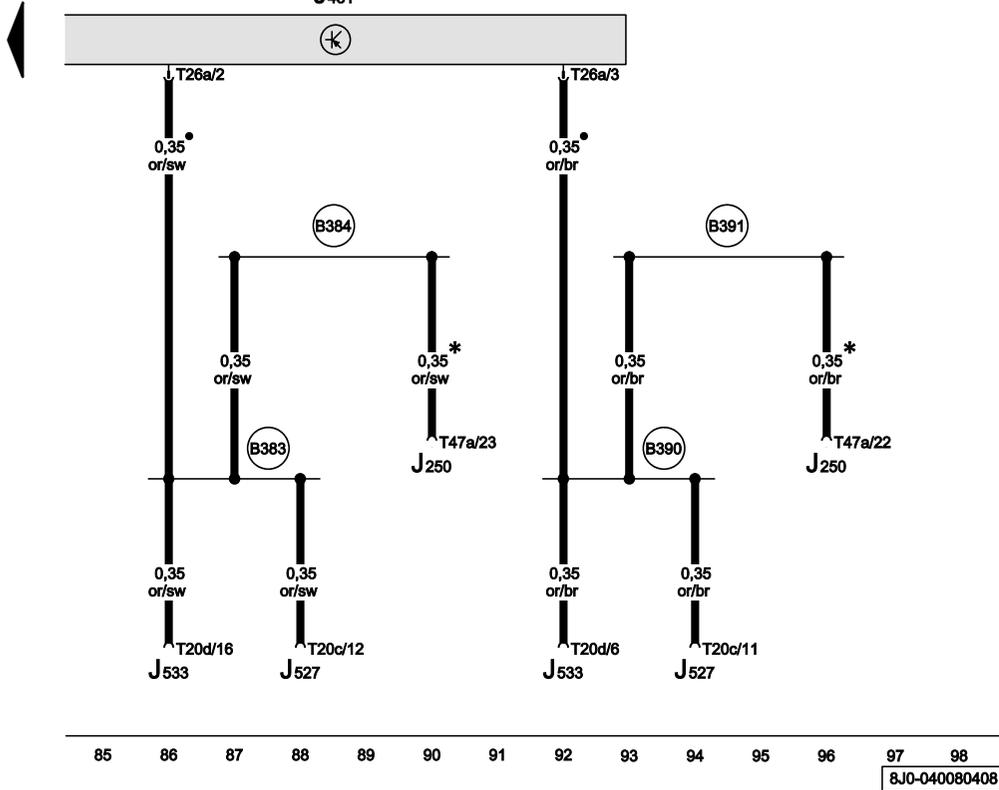
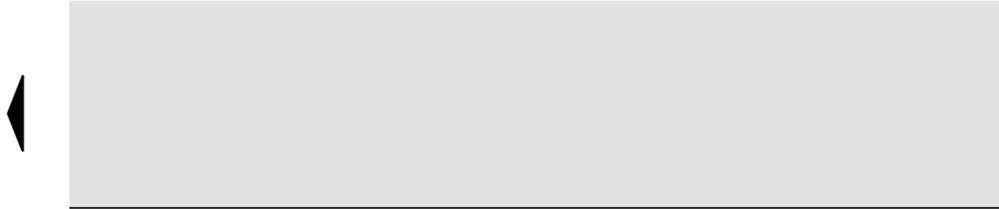
- CAN-Bus (data wire)
- \* With electronic damping



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



8JO-040080408

## Rear Parking Aid

from June 2008

### Note:

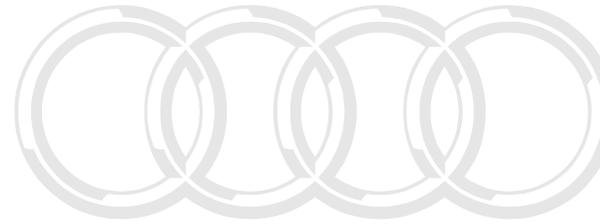
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

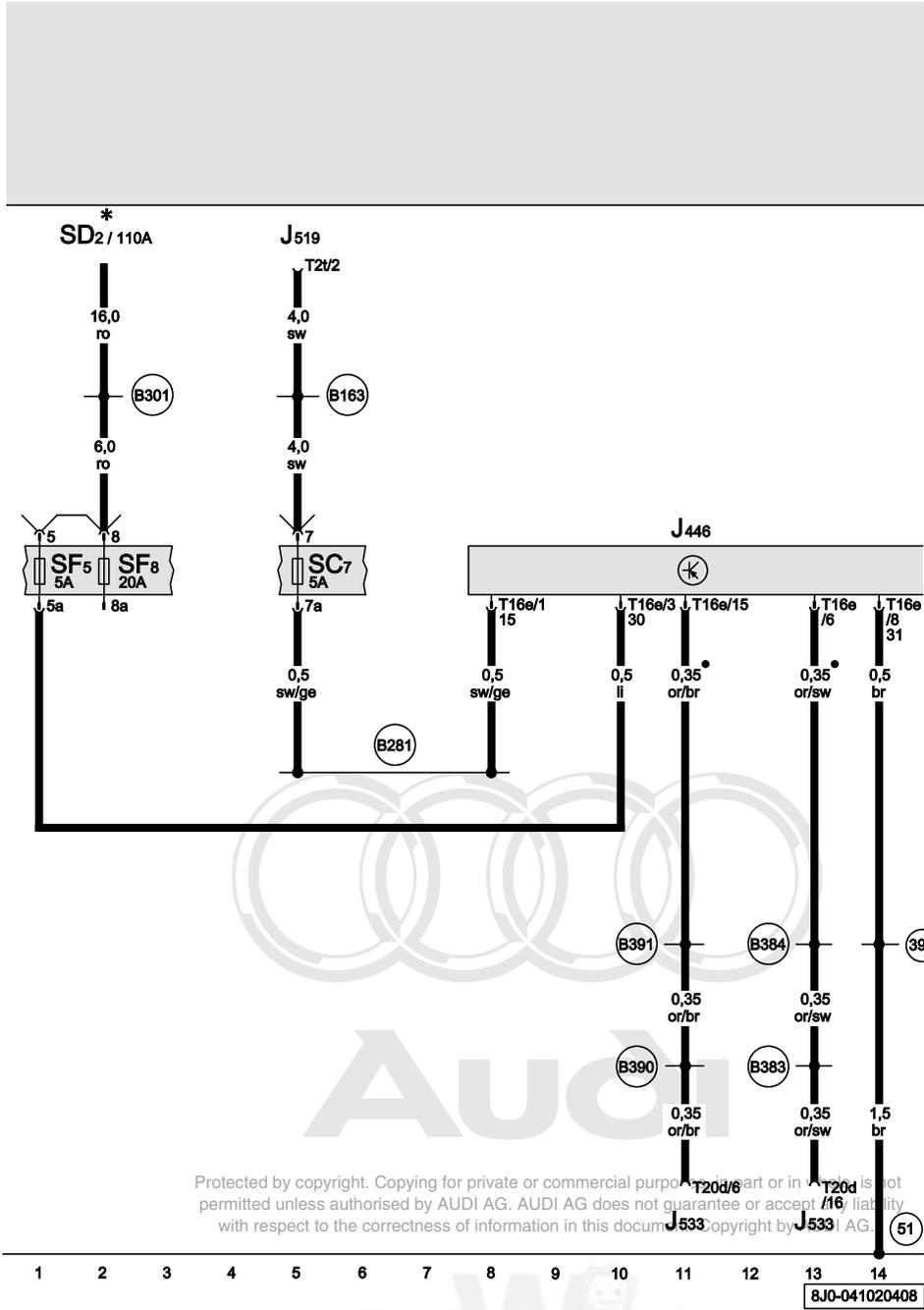
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Parking Aid Control Module, Fuses

- J446 Parking Aid Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- SC7 Fuse 7 (on fuse panel C)
- SD2 Fuse 2 (on fuse panel D)
- SF5 Fuse 5 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 51 Ground Connection (in luggage compartment, right)
- 395 Ground Connection 30 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

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

Protected by copyright. Copying for private or commercial purposes in whole or in part is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept liability with respect to the correctness of information in this document. Copyright by AUDI AG.

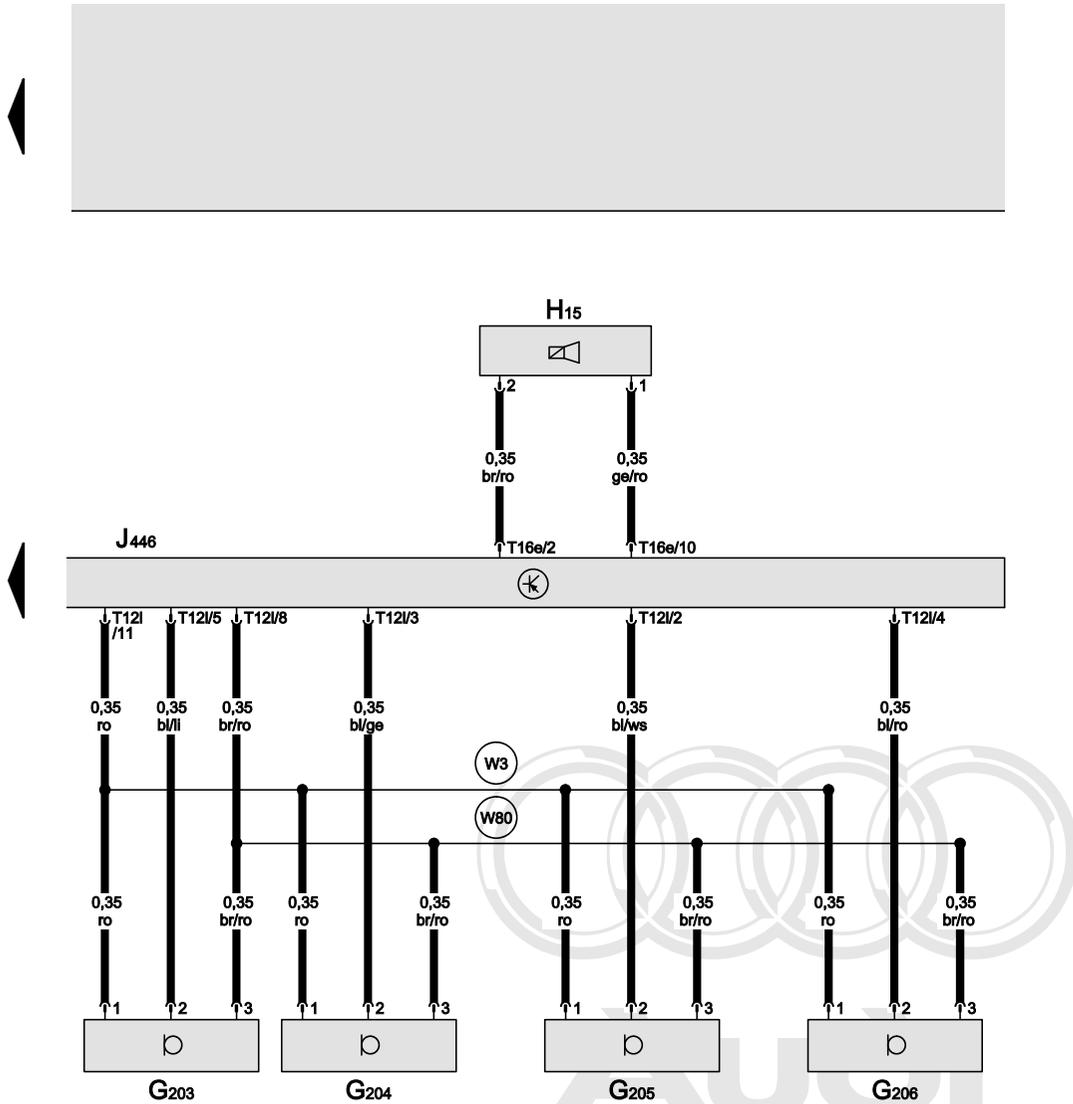
8J0-041020408

**Parking Aid Control Module, Rear Parking Aid Sensor, Rear Parking Aid Warning Buzzer**

- G203 Left Rear Parking Aid Sensor
- G204 Left Rear Center Parking Aid Sensor
- G205 Right Rear Center Parking Aid Sensor
- G206 Right Rear Parking Aid Sensor
- H15 Rear Parking Aid Warning Buzzer
- J446 Parking Aid Control Module
- T12l 12-Pin Connector, black (Connector C), on parking aid control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module

W3 Connection (in rear wiring harness)

W80 Connection 2 (in rear wiring harness)



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**1.8L fuel injection engine (TFSI - cylinder 4), CDAA**

from September 2008

**2.0L fuel injection engine (TFSI - cylinder 4), CCZA**

from September 2008

**2.0L fuel injection engine (TFSI - cylinder 4), CCTA**

from September 2008

**Note:**

Information for

## ◆ Relay and fuse arrangements

## ◆ Connector arrangements

## ◆ Control Modules and Relays

## ◆ Ground connections

## ⇒ Component Locations

Information for

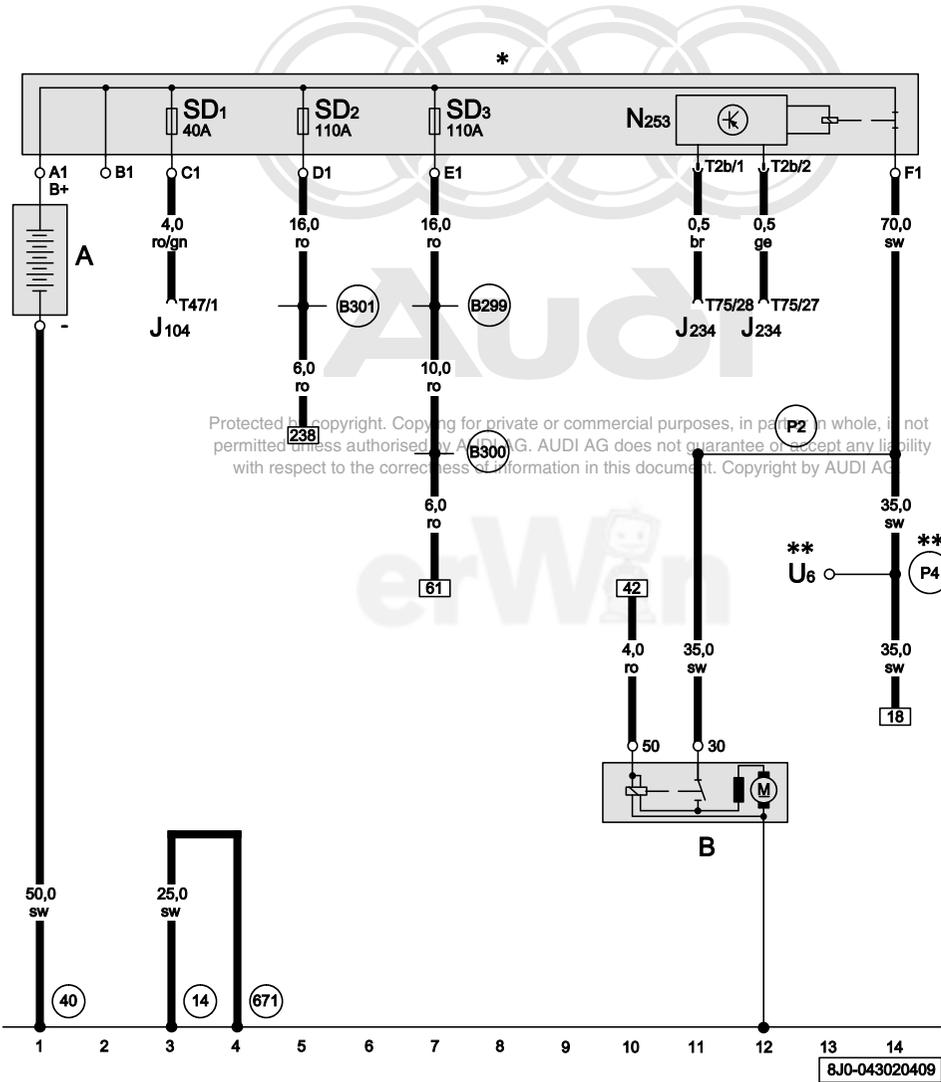
## ◆ Troubleshooting Procedures

## ⇒ Guided Fault Finding using VAS 5051 / 5052

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Battery, Starter, Battery Interrupt Igniter, Main Fuse Panel, in right rear luggage compartment on battery

- A Battery
- B Starter
- J104 ABS Control Module
- J234 Airbag Control Module
- N253 Battery Interrupt Igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double Connector, purple, on battery interrupt igniter
- T47 47-Pin Connector, on ABS control module
- T75 75-Pin Connector, on airbag control module
- U6 Battery Jump Start Terminal

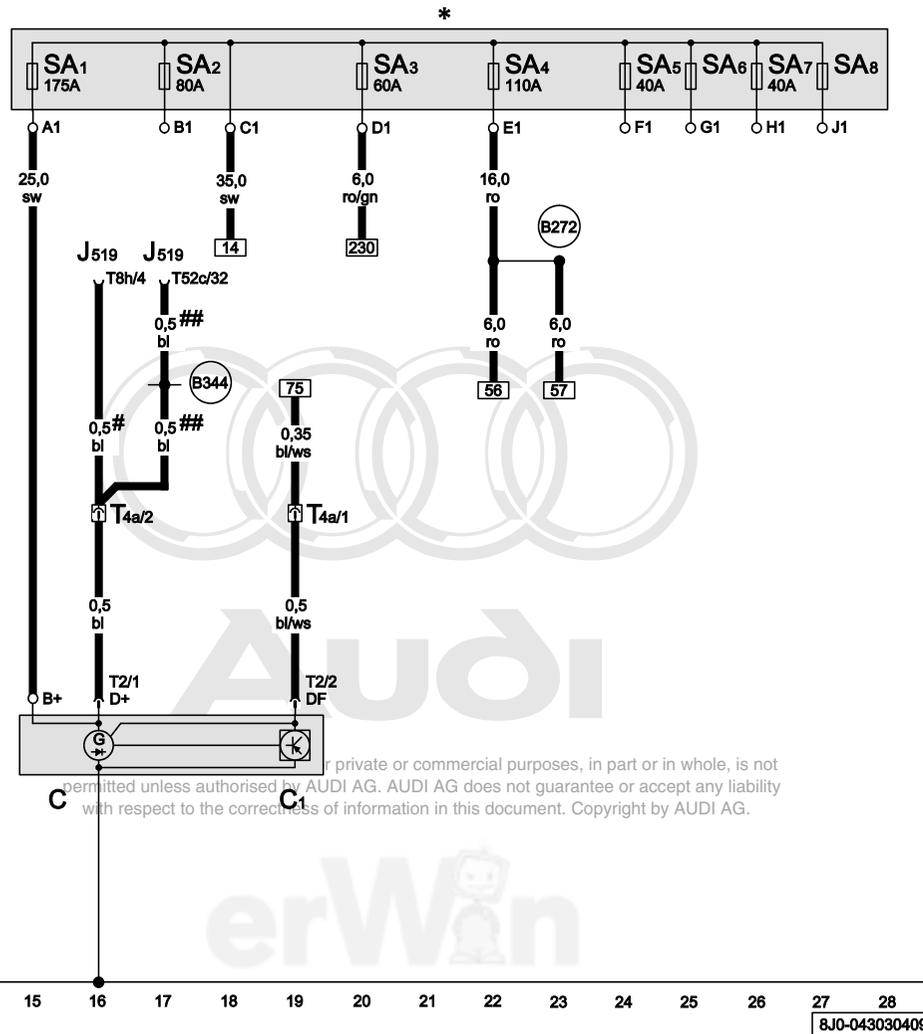


- 14 Ground Connection on transmission
- 40 Ground Connection (below rear seat bench, right)
- 671 Ground Connection 1 (on left front long member)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- P2 Plus Connection (30) (in battery wiring harness)
- P4 Plus Connection 2 (30) (in battery wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Models with battery jump start terminal

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

Generator (GEN), Main Fuse Panel Electronics Box, in engine compartment

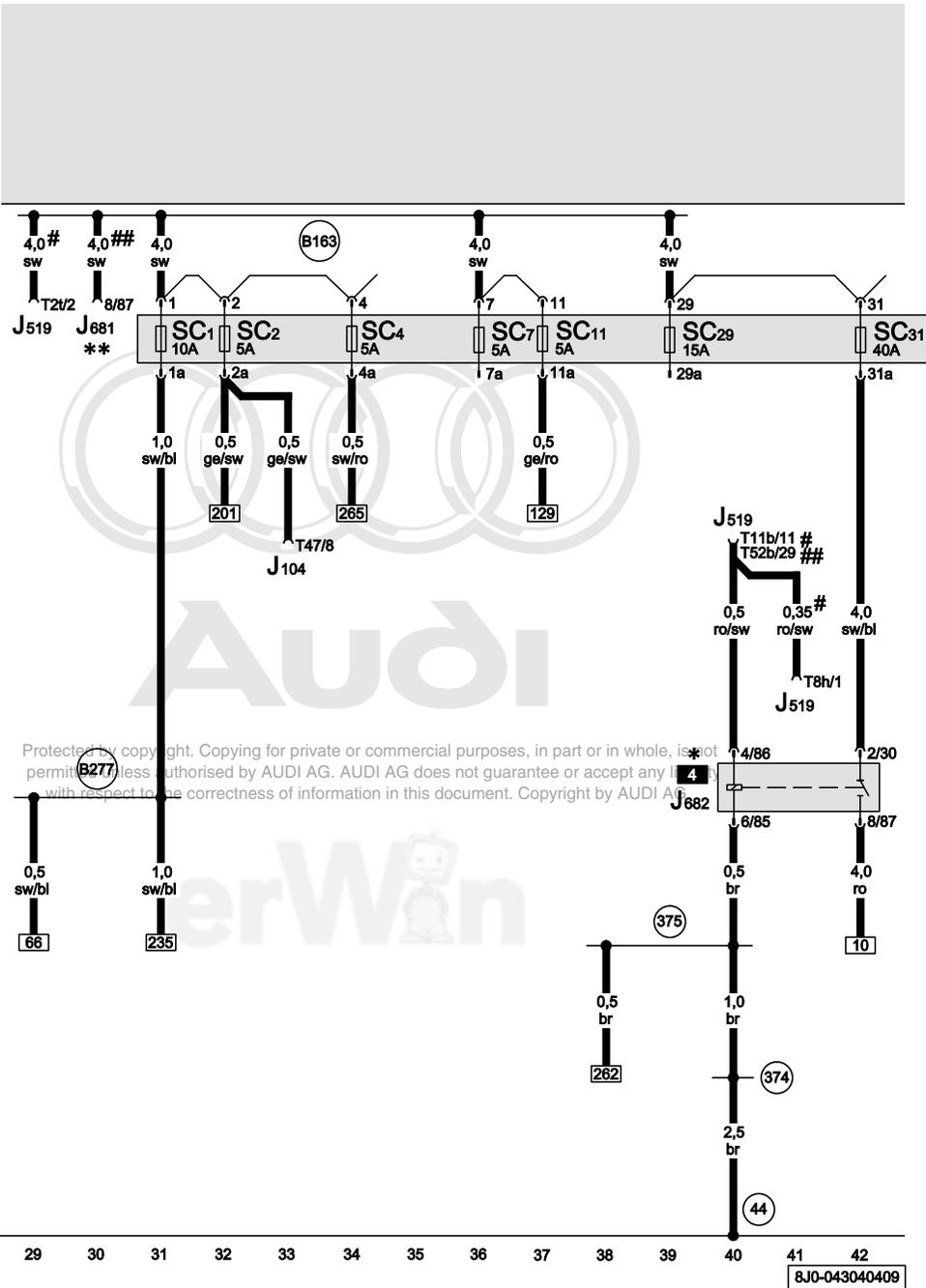
- C Generator (GEN)
- C1 Voltage Regulator (VR)
- J519 Vehicle Electrical System Control Module
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T2 Double Connector, purple, on generator
- T4a 4-Pin Connector, black, in engine compartment, front left
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- B272 Plus Connection (30) (in main wiring harness)
- B344 Connection 1 (61) (in main wiring harness)
- \* Main fuse panel electronics box, in front left engine compartment
- # Through May 2009
- ## from June 2009



... private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8J0-043030409

Power Supply Relay (terminal 50), Fuses



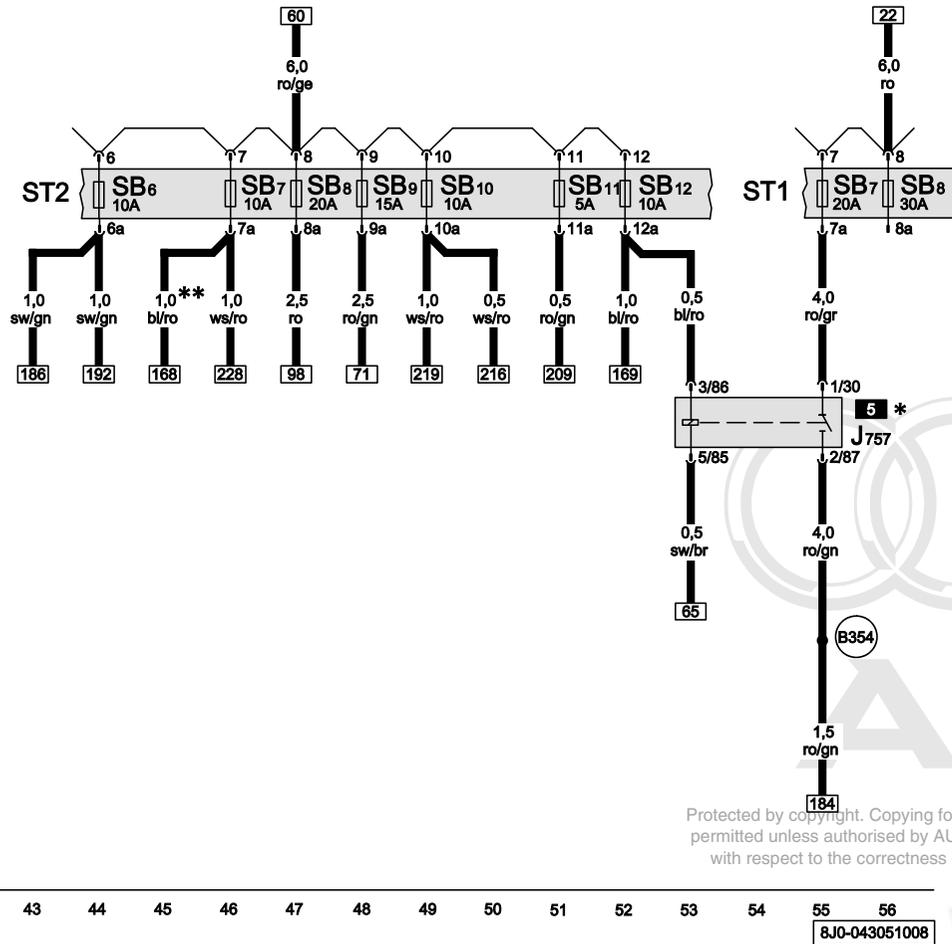
- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- J682 Power Supply Relay (terminal 50)
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T2t Double Connector, black (Connector L), on vehicle electrical system control module
- T8h 8-Pin Connector, black (Connector F), on vehicle electrical system control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T47 47-Pin Connector, on ABS control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B277 Plus Connection 1 (15a) (in main wiring harness)
- \* Relay panel under instrument panel, left
- \*\* Relay Carrier on Vehicle Electrical System Control Module
- # Through May 2009
- ## from June 2009

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG

Engine Component Power Supply Relay, Fuses

- J757 Engine Component Power Supply Relay
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- (B354) Plus Connection 5 (87a) (in main wiring harness)
- \* Relay and fuse carrier in electronics box engine compartment
- \*\* Models with leak detection pump (LDP)



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

Protected by copyright. Copying for private (commercial) purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Engine Control Module (ECM), Motronic Engine Control Module (ECM) Power Supply Relay, Suppressor

- C24 Suppressor
- J271 Motronic Engine Control Module (ECM) Power Supply Relay
- J623 Engine Control Module (ECM)
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T94 94-Pin Connector, on engine control module (ECM)

366 Ground Connection 1 (in main wiring harness)

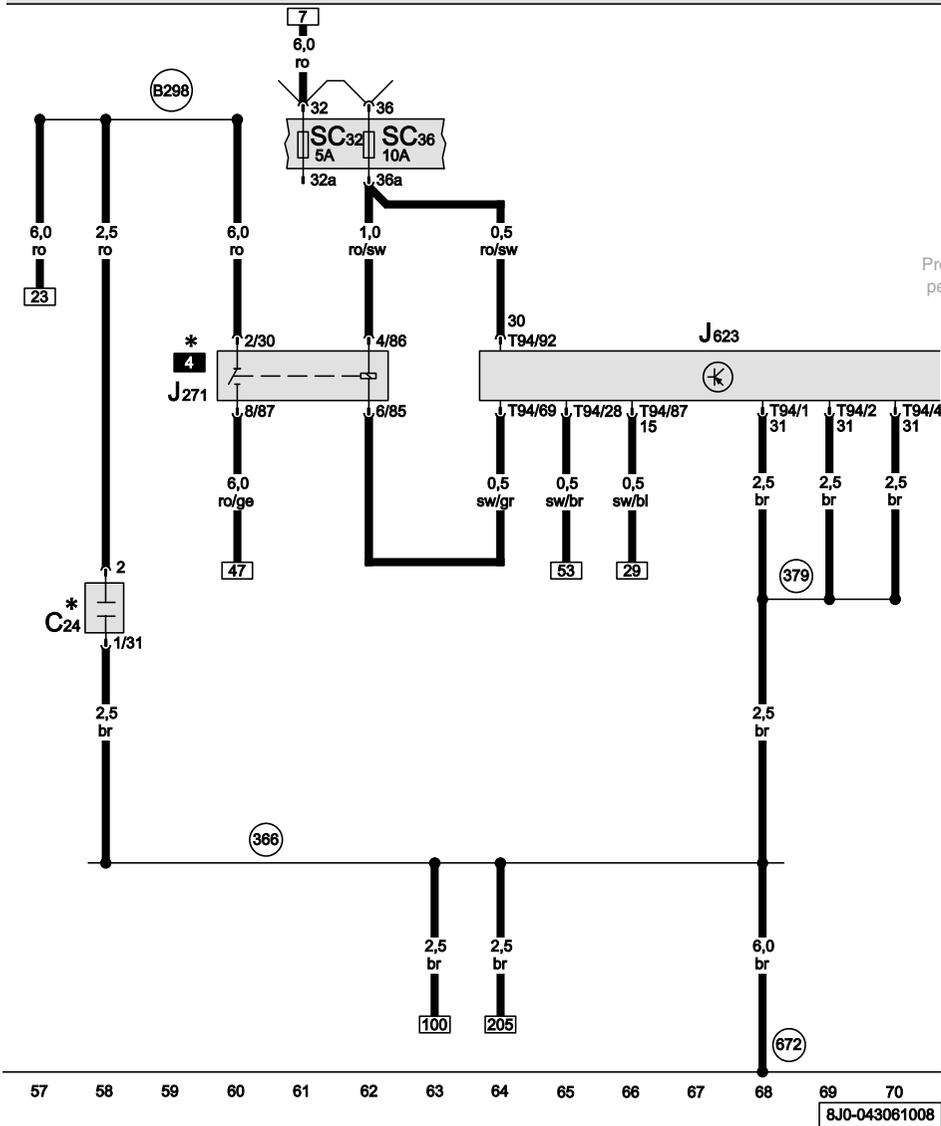
379 Ground Connection 14 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

B298 Plus Connection 2 (30) (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Relay and fuse carrier in electronics box engine compartment

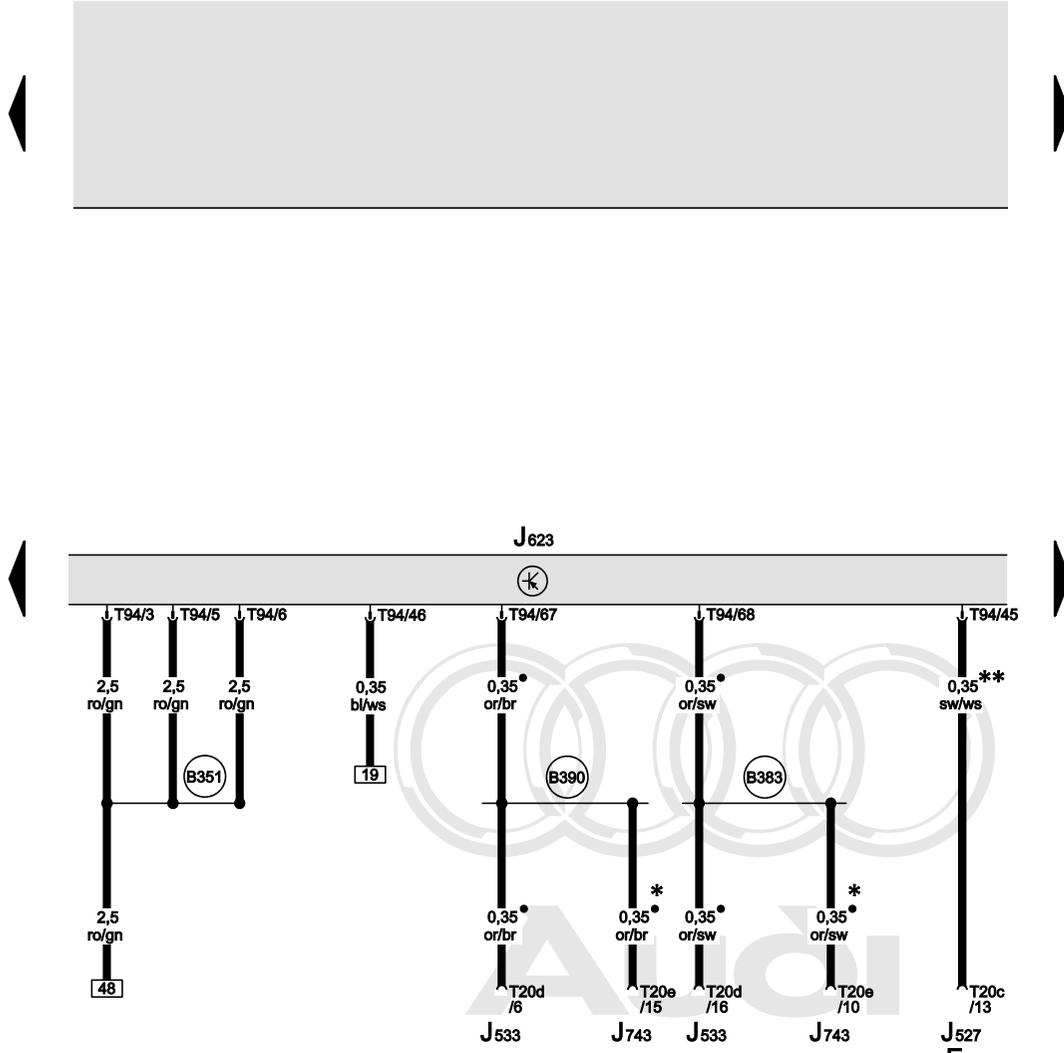


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM)

- E45 Cruise Control Switch
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T94 94-Pin Connector, on engine control module (ECM)

- B351** Plus Connection 2 (87a) (in main wiring harness)
- B383** Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B390** Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with direct shift gearbox 02E
- \*\* Models with cruise control system



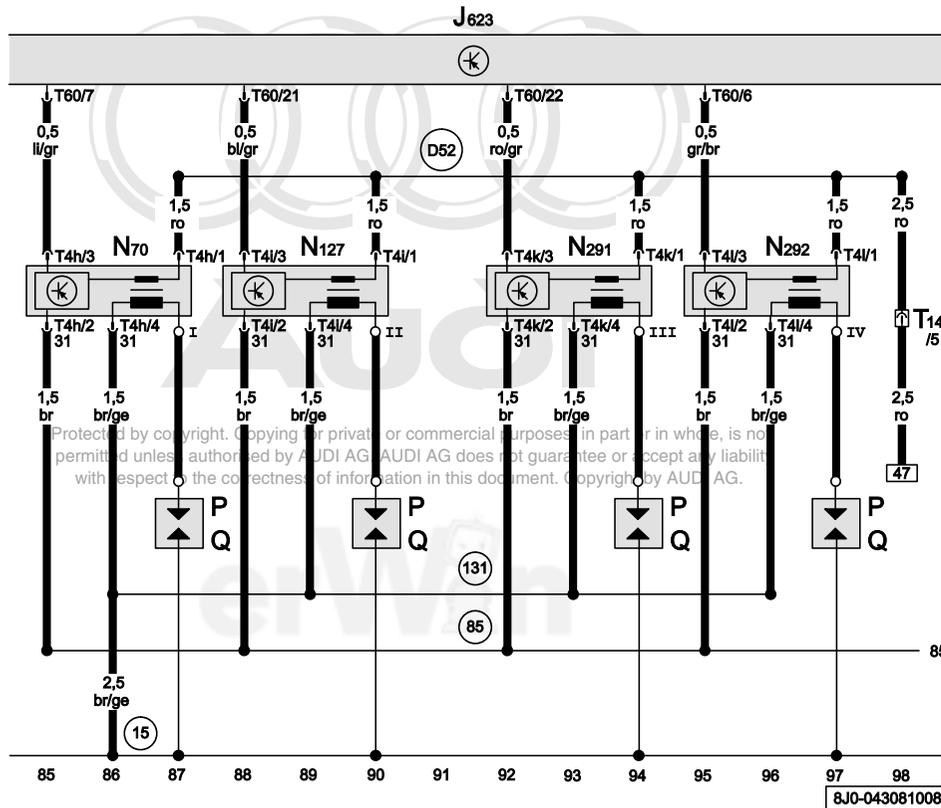
Protected by copyright. Copying for private or commercial purposes, in part or whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Engine Control Module (ECM), Ignition Coil 1 through 4 with Power Output Stage

- J623 Engine Control Module (ECM)
- N70 Ignition Coil 1 with Power Output Stage
- N127 Ignition Coil 2 with Power Output Stage
- N291 Ignition Coil 3 with Power Output Stage
- N292 Ignition Coil 4 with Power Output Stage
- P Spark Plug Connectors
- Q Spark Plugs
- T4h 4-Pin Connector, black, on ignition coil 1 with power output stage
- T4i 4-Pin Connector, black, on ignition coil 2 with power output stage
- T4k 4-Pin Connector, black, on ignition coil 3 with power output stage
- T4l 4-Pin Connector, black, on ignition coil 4 with power output stage
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)

- 15 Ground Connection (on cylinder head)
- 85 Ground Connection 1 (in engine compartment wiring harness)
- 131 Ground Connection 2 (in engine compartment wiring harness)
- D52 Plus Connection (15a) (in engine compartment wiring harness)



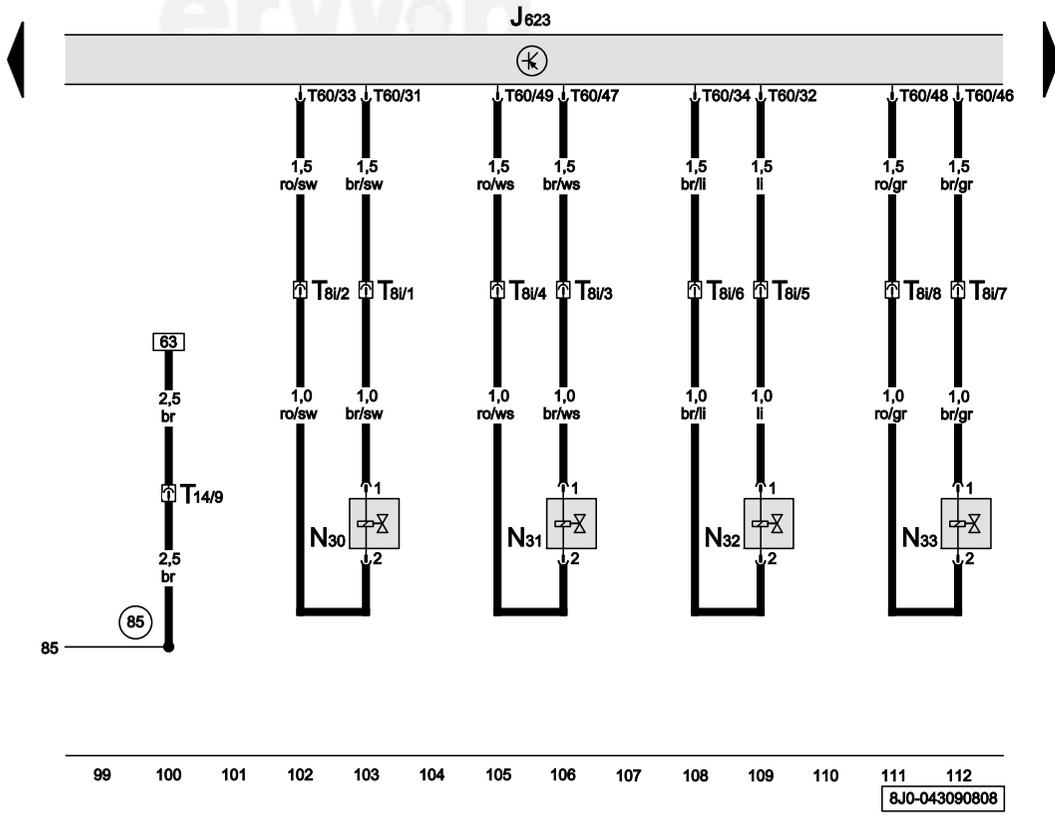
Protected by copyright. Copying for private or commercial purposes in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Engine Control Module (ECM), Cylinder 1 through 4 Fuel Injector

- J623 Engine Control Module (ECM)
- N30 Cylinder 1 Fuel Injector
- N31 Cylinder 2 Fuel Injector
- N32 Cylinder 3 Fuel Injector
- N33 Cylinder 4 Fuel Injector
- T8i 8-Pin Connector, black, near fuel injectors
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)
- 85 Ground Connection 1 (in engine compartment wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



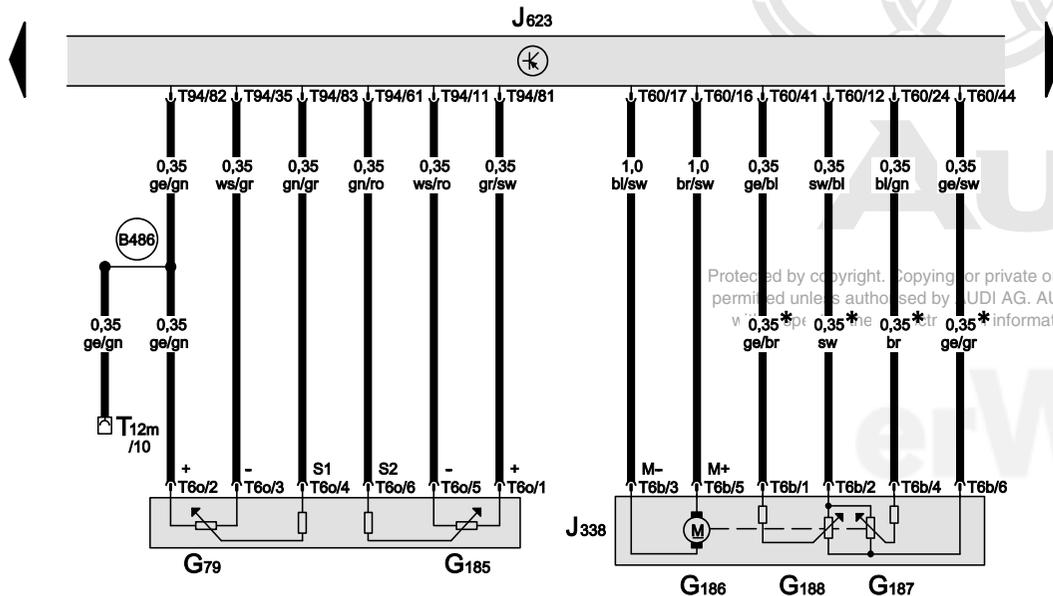
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Throttle Valve Control Module, Accelerator Pedal Position Sensor

- G79 Throttle Position (TP) Sensor
- G185 Accelerator Pedal Position Sensor 2
- G186 Throttle Drive (for Electronic Power Control (EPC))
- G187 Throttle Drive Angle Sensor 1 (for Electronic Power Control (EPC))
- G188 Throttle Drive Angle Sensor 2 (for Electronic Power Control (EPC))
- J338 Throttle Valve Control Module
- J623 Engine Control Module (ECM)
- T6b 6-Pin Connector, black, on throttle valve control module
- T6o 6-Pin Connector, black, on throttle position (TP) sensor
- T12m 12-Pin Connector, brown, in rear right luggage compartment
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)

B486 Connection 22 (in main wiring harness)

\* Phased-in modification



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for information in this document. Copyright by AUDI AG.

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

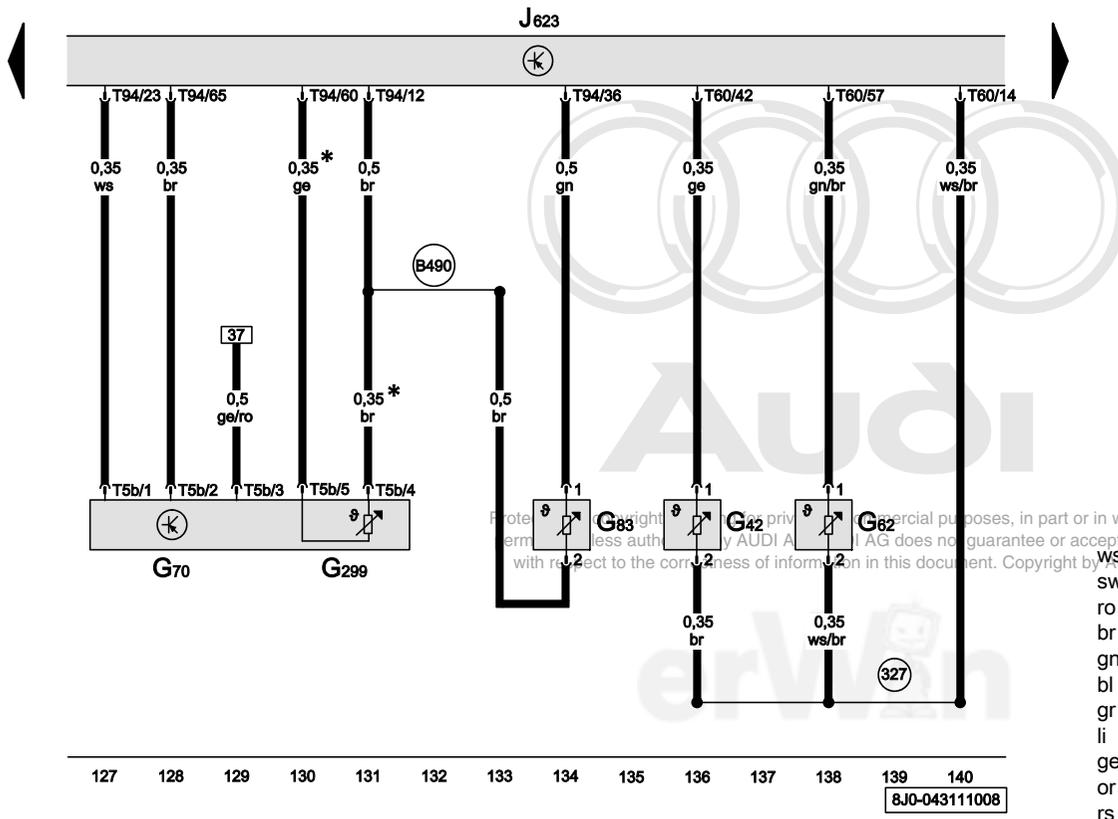
Engine Control Module (ECM), Engine Coolant Temperature (ECT) Sensor (on Radiator), Intake Air Temperature (IAT) Sensor, Engine Coolant Temperature (ECT) Sensor, Mass Air Flow (MAF) Sensor

- G42 Intake Air Temperature (IAT) Sensor
- G62 Engine Coolant Temperature (ECT) Sensor
- G70 Mass Air Flow (MAF) Sensor
- G83 Engine Coolant Temperature (ECT) Sensor (on Radiator)
- G299 Intake Air Temperature (IAT) Sensor 2
- J623 Engine Control Module (ECM)
- T5b 5-Pin Connector, black, on mass air flow (MAF) sensor
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)

(327) Sensor Ground Connection (in engine compartment wiring harness)

(B490) Connection 26 (in main wiring harness)

\* Not for USA



Engine Control Module (ECM), Charge Air Pressure Sensor, Intake Air Temperature (IAT) Sensor, Intake Manifold Runner Position Sensor, Fuel Pressure Sensor

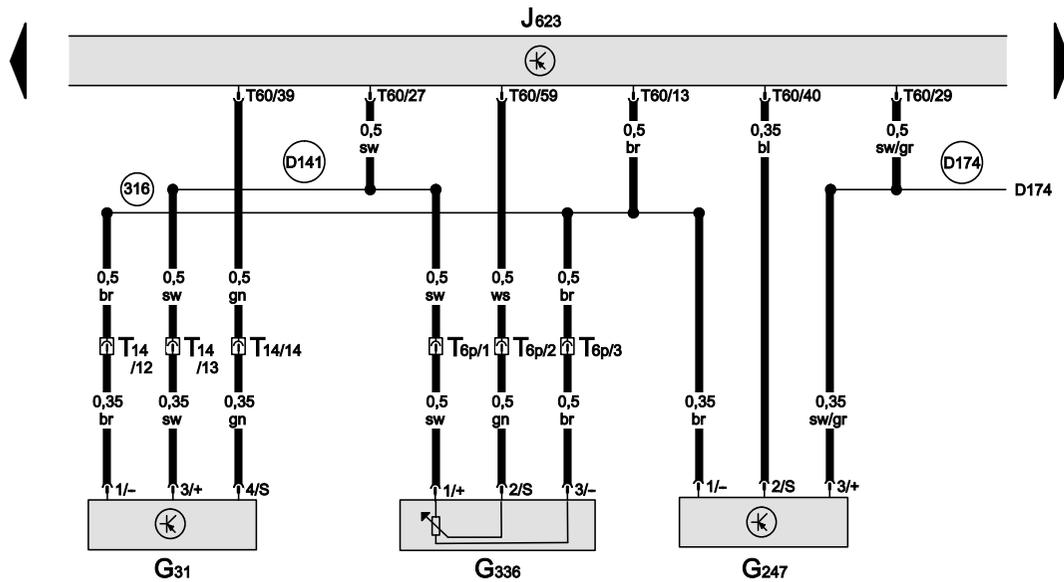
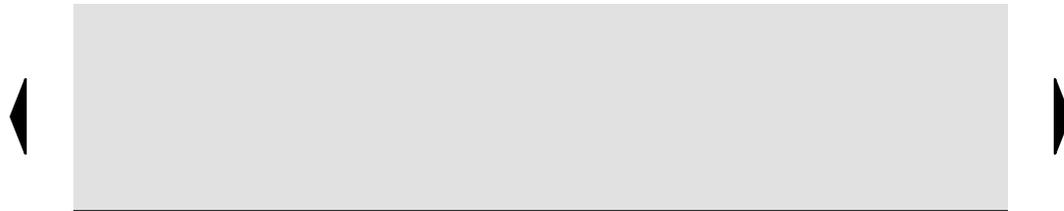
- G31 Charge Air Pressure Sensor
- G247 Fuel Pressure Sensor
- G336 Intake Manifold Runner Position Sensor
- J623 Engine Control Module (ECM)
- T6p 6-Pin Connector, black, on engine, front
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)

316 Sensor Ground Connection 2 (in engine wiring harness)

D141 Connection (5V) (in engine pre-wiring wiring harness)

D174 Connection 2 (5V) (in engine pre-wiring wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

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

8J0-043121008

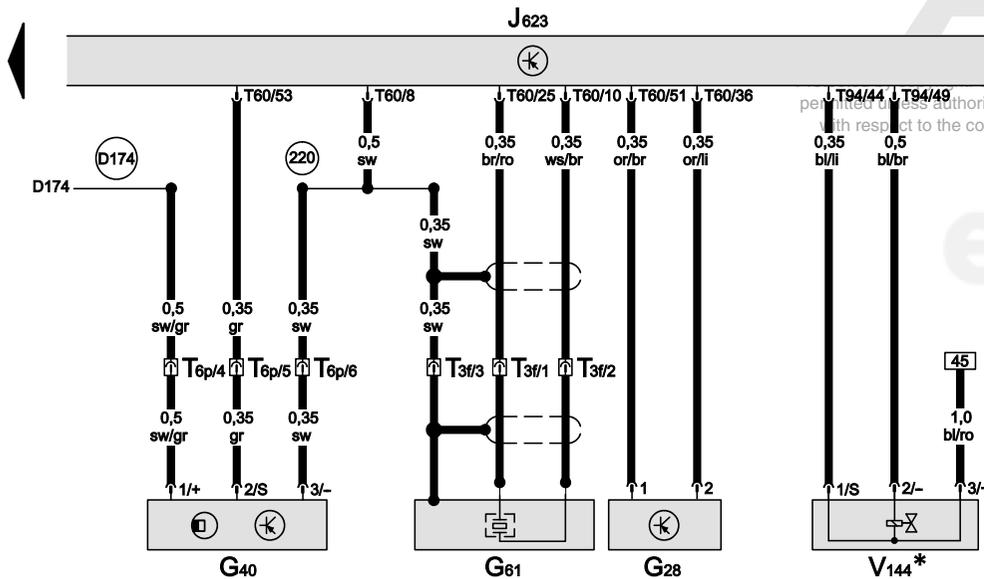
Engine Control Module (ECM), Camshaft Position (CMP) Sensor, Engine Speed (RPM) Sensor, Knock Sensor (KS)

- G28 Engine Speed (RPM) Sensor
- G40 Camshaft Position (CMP) Sensor
- G61 Knock Sensor (KS) 1
- J623 Engine Control Module (ECM)
- T3f 3-Pin Connector, green, on knock sensor 1
- T6p 6-Pin Connector, black, on engine, front
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)
- V144 Leak Detection Pump (LDP)

(220) Sensor Ground Connection (in engine wiring harness)

(D174) Connection 2 (5V) (in engine pre-wiring wiring harness)

\* Models with leak detection pump (LDP)



Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

155 156 157 158 159 160 161 162 163 164 165 166 167 168

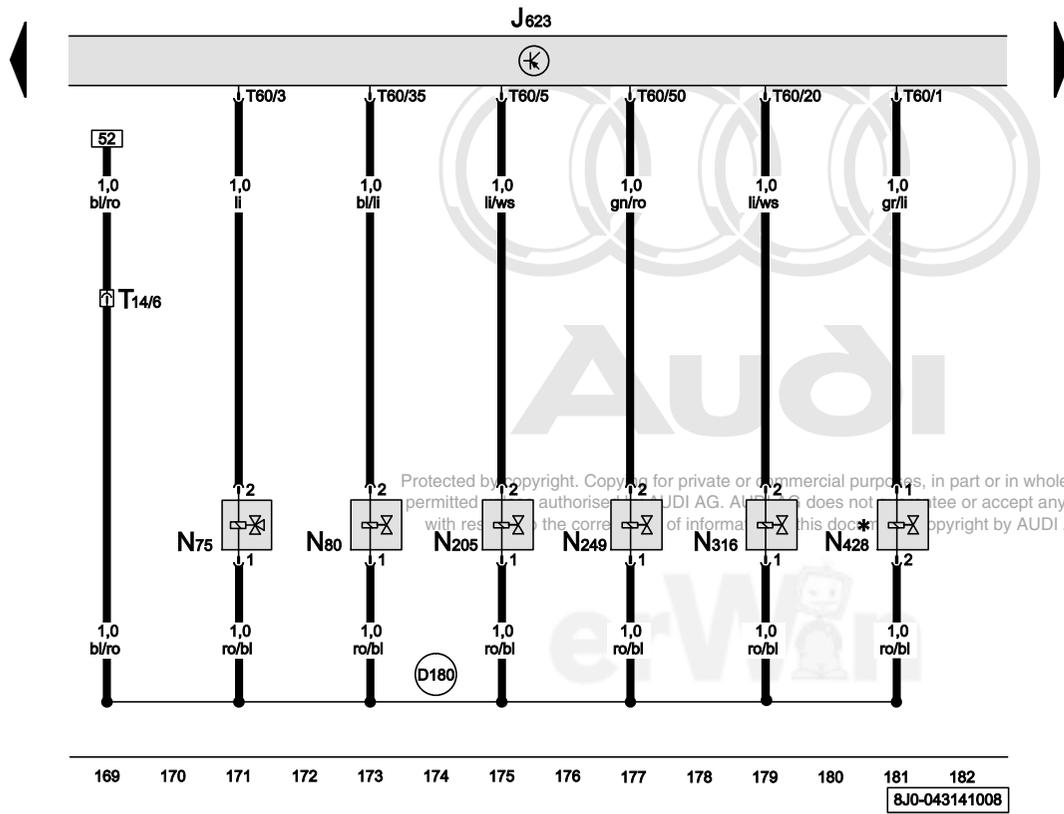
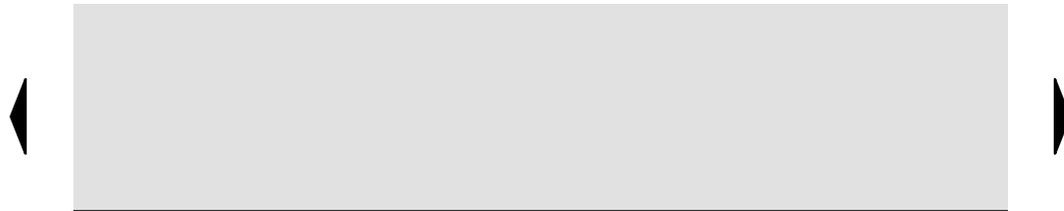
8J0-043131008

Engine Control Module (ECM)

- J623 Engine Control Module (ECM)
- N75 Wastegate Bypass Regulator Valve
- N80 Evaporative Emission (EVAP) Canister Purge Regulator Valve
- N205 Camshaft Adjustment Valve 1
- N249 Turbocharger Recirculating Valve
- N316 Intake Manifold Runner Control (IMRC) Valve
- N428 Oil Pressure Regulation Valve
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)

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

\* Not for USA

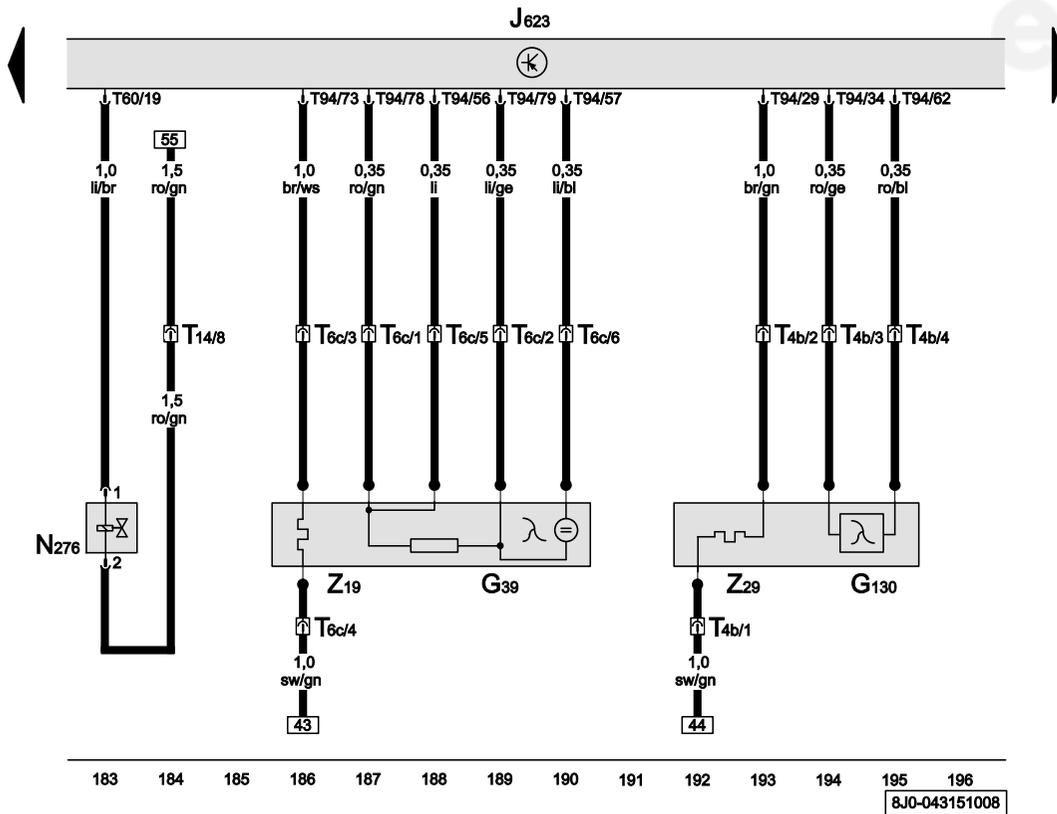


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine Control Module (ECM), Fuel Pressure Regulator Valve, Heated Oxygen Sensor (HO2S), Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC)

- G39 Heated Oxygen Sensor (HO2S)
- G130 Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC)
- J623 Engine Control Module (ECM)
- N276 Fuel Pressure Regulator Valve
- T4b 4-Pin Connector, black, on oxygen sensor (O2S) behind three way catalytic converter (TWC)
- T6c 6-Pin Connector, black, on heated oxygen sensor (HO2S)
- T14 14-Pin Connector, black, in left front engine compartment
- T60 60-Pin Connector, on engine control module (ECM)
- T94 94-Pin Connector, on engine control module (ECM)
- Z19 Oxygen Sensor (O2S) Heater
- Z29 Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC))

Protected by copyright. Copying for private or commercial purposes in part or in whole is not permitted unless authorised by AUDI AG. AUDI AG does not give any guarantee, either written or oral, with respect to the correctness of information in this document. Copying is prohibited.

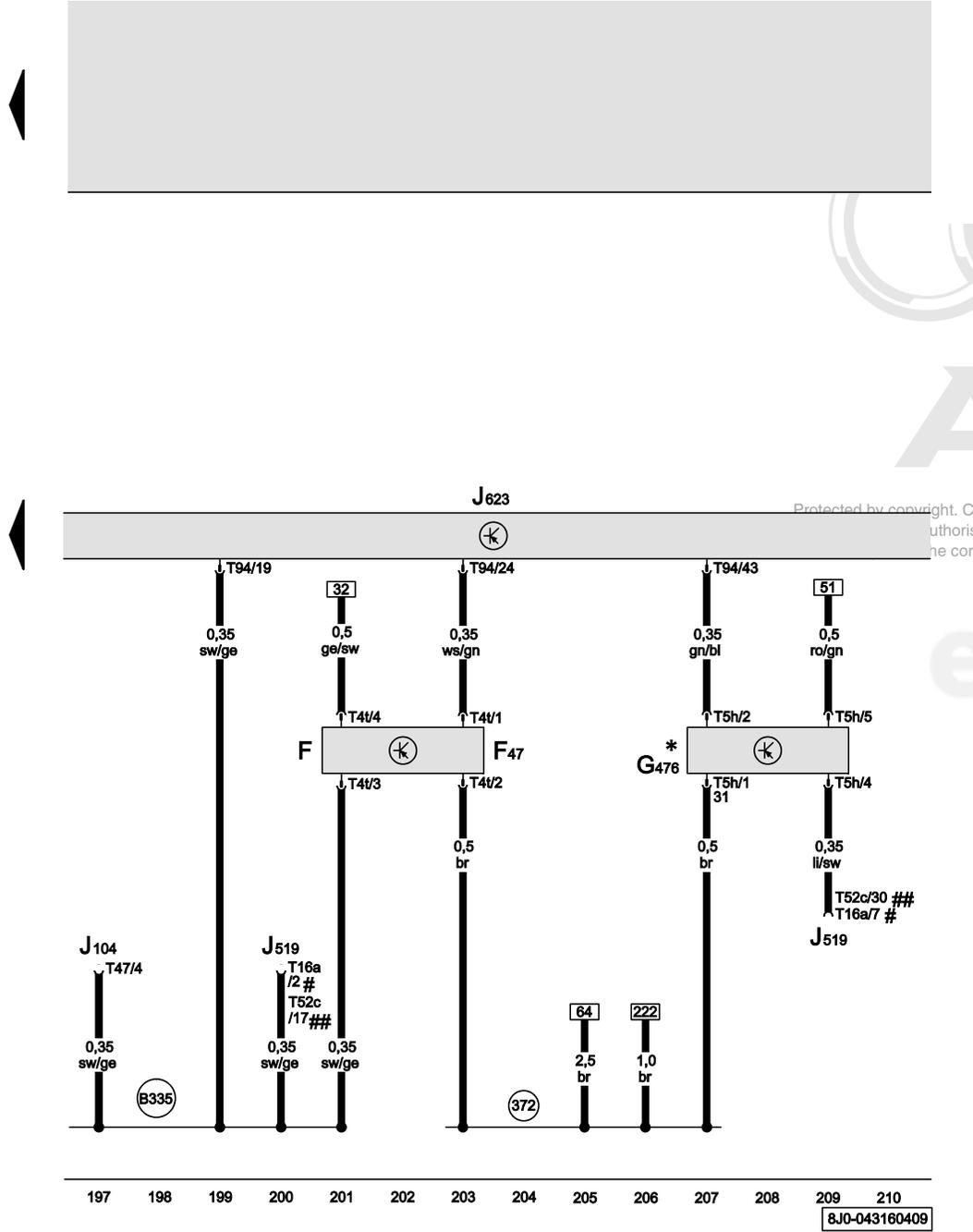


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-043151008

Engine Control Module (ECM), Brake Light Switch, Clutch Position Sensor

- F Brake Light Switch
- F47 Brake Pedal Switch
- G476 Clutch Position Sensor
- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- T4t 4-Pin Connector, black, on brake light switch
- T5h 5-Pin Connector, black, on clutch position sensor
- T16a 16-Pin Connector, black (Connector E), on vehicle electrical system control module
- T47 47-Pin Connector, on ABS control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- T94 94-Pin Connector, on engine control module (ECM)
- 372 Ground Connection 7 (in main wiring harness)
- B335 Connection 1 (54) (in main wiring harness)



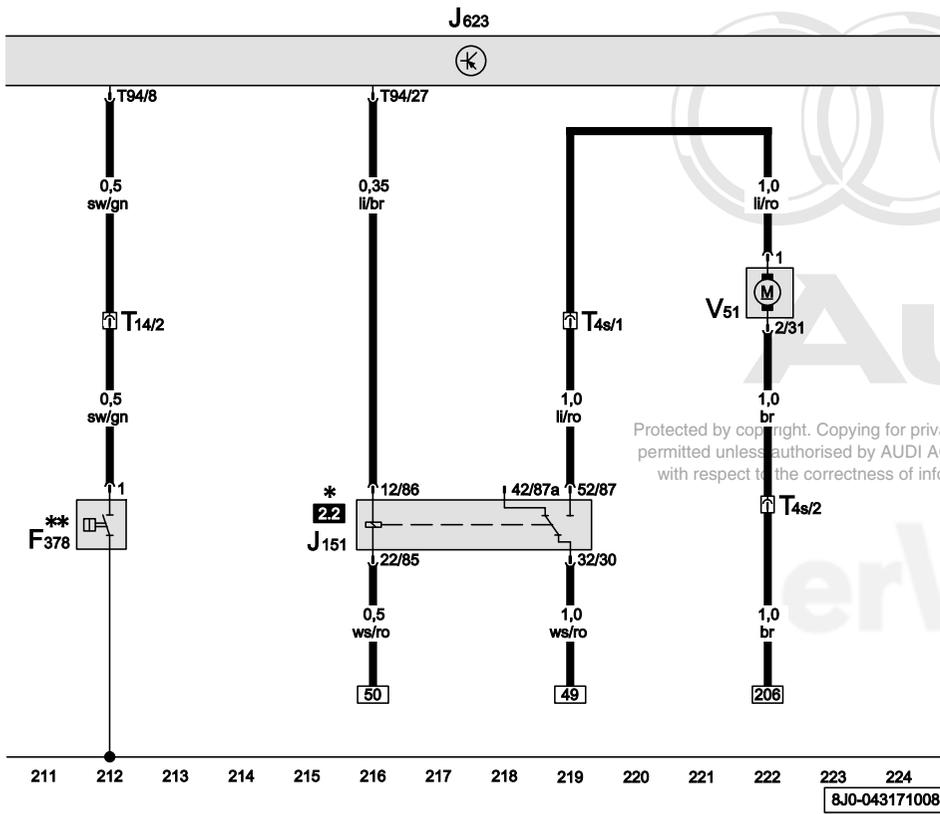
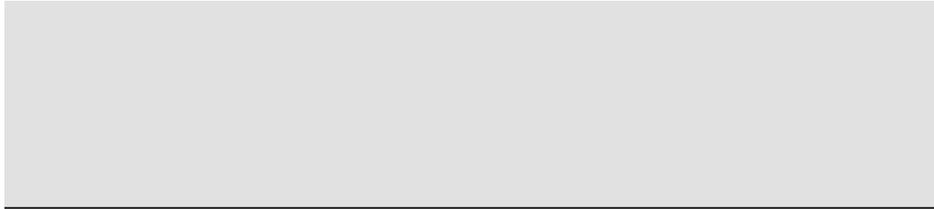
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not authorized by AUDI AG. AUDI AG does not guarantee the accuracy or acceptability of the information in this document. Copyright © Audi AG. Models with manual transmission from June 2009

8J0-043160409

Engine Control Module (ECM), Reduced Oil Pressure Switch, Coolant Circulation Pump Relay, After-Run Coolant Pump

- F378 Reduced Oil Pressure Switch
- J151 Coolant Circulation Pump Relay
- J623 Engine Control Module (ECM)
- T4s 4-Pin Connector, black, in engine compartment, front left
- T14 14-Pin Connector, black, in left front engine compartment
- T94 94-Pin Connector, on engine control module (ECM)
- V51 After-Run Coolant Pump
- \* Relay and fuse carrier in electronics box engine compartment
- \*\* Not for USA



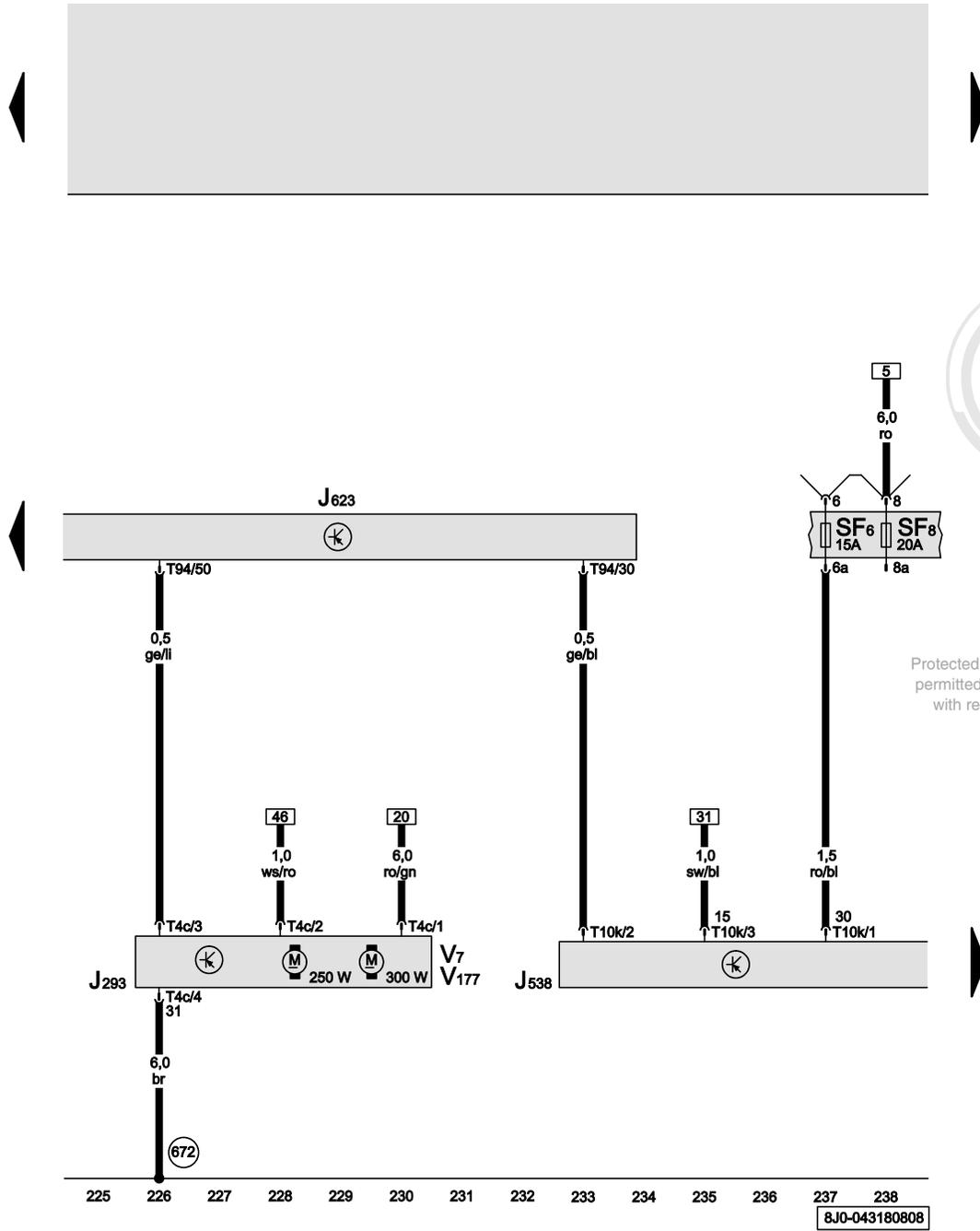
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-043171008

Engine Control Module (ECM), Fuel Pump (FP) Control Module, Coolant Fan Control (FC) Control Module, Coolant Fan

- J293 Coolant Fan Control (FC) Control Module
- J538 Fuel Pump (FP) Control Module
- J623 Engine Control Module (ECM)
- SF6 Fuse 6 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T4c 4-Pin Connector, black, on coolant fan control (FC) control module
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T94 94-Pin Connector, on engine control module (ECM)
- V7 Coolant Fan
- V177 Coolant Fan 2
- 672 Ground Connection 2 (on left front long member)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-043180808

Instrument Cluster Control Module, Fuel Pump (FP) Control Module, Fuel Level Sensor, Fuel Gauge, Transfer Fuel Pump (FP)

- G Fuel Level Sensor
- G1 Fuel Gauge
- G6 Transfer Fuel Pump (FP)
- J285 Instrument Cluster Control Module
- J519 Vehicle Electrical System Control Module
- J538 Fuel Pump (FP) Control Module
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T11b 11-Pin Connector, black (Connector A), on vehicle electrical system control module
- T32 32-Pin Connector, blue, on instrument cluster control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- Y24 Display Unit in Instrument Cluster

43 Ground Connection (on right lower A-pillar)

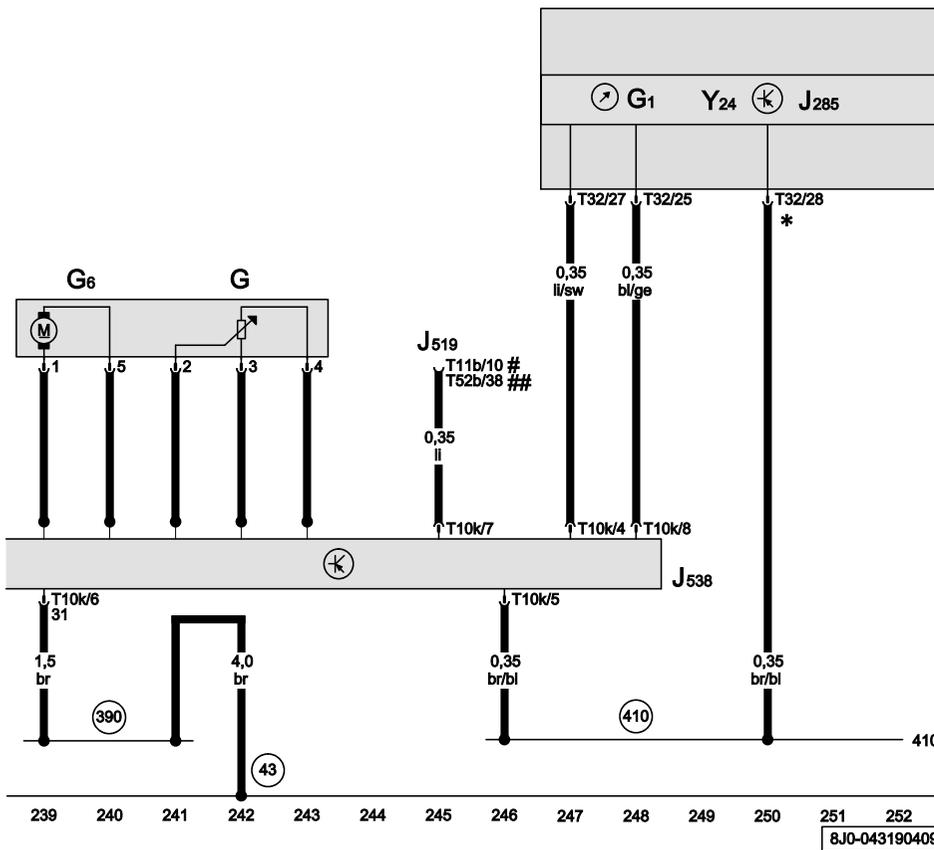
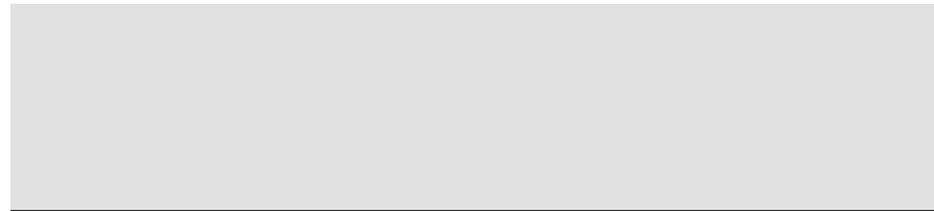
390 Ground Connection 25 (in main wiring harness)

Protected by copyright. Copying or reproduction in any form is prohibited without the written permission of Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by Audi AG.

410 Sensor Ground Connection 1 (in main wiring harness)

- \* Output Sensor
- # Through May 2009
- ## from June 2009

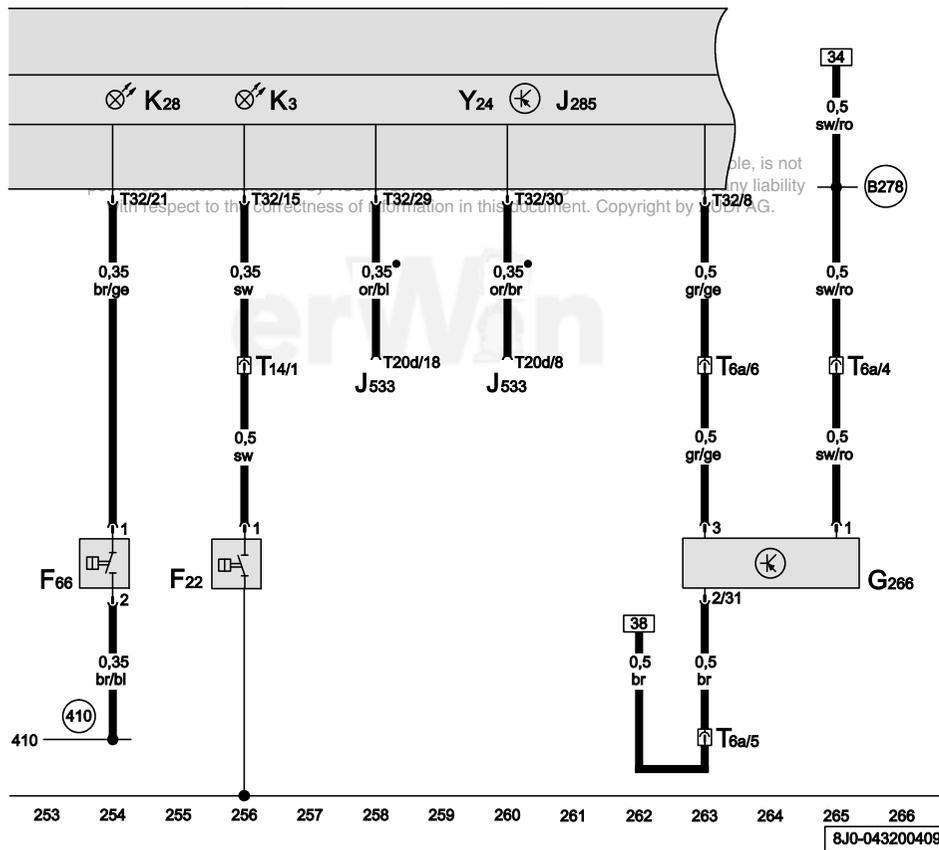
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



8J0-043190409

**Instrument Cluster Control Module, Oil Pressure Switch, Engine Coolant Level (ECL) Warning Switch, Oil Level Thermal Sensor, Oil Pressure Warning Lamp, Engine Coolant Level/Temperature (ECL/ECT) Warning Lamp**

- F22 Oil Pressure Switch
  - F66 Engine Coolant Level (ECL) Warning Switch
  - G266 Oil Level Thermal Sensor
  - J285 Instrument Cluster Control Module
  - J533 Data Bus On Board Diagnostic Interface
  - K3 Oil Pressure Warning Lamp
  - K28 Engine Coolant Level/Temperature (ECL/ECT) Warning Lamp
  - T6a 6-Pin Connector, black, in engine compartment, front left
  - T14 14-Pin Connector, black, in left front engine compartment
  - T20d 20-Pin Connector, black, on data bus on board diagnostic interface
  - T32 32-Pin Connector, blue, on instrument cluster control module
  - Y24 Display Unit in Instrument Cluster
- 410 Sensor Ground Connection 1 (in main wiring harness)
  - B278 Plus Connection 2 (15a) (in main wiring harness)
    - CAN-Bus (data wire)



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

8J0-043200409

## Radio with Standard Soundsystem (9VD) Coupè

from February 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

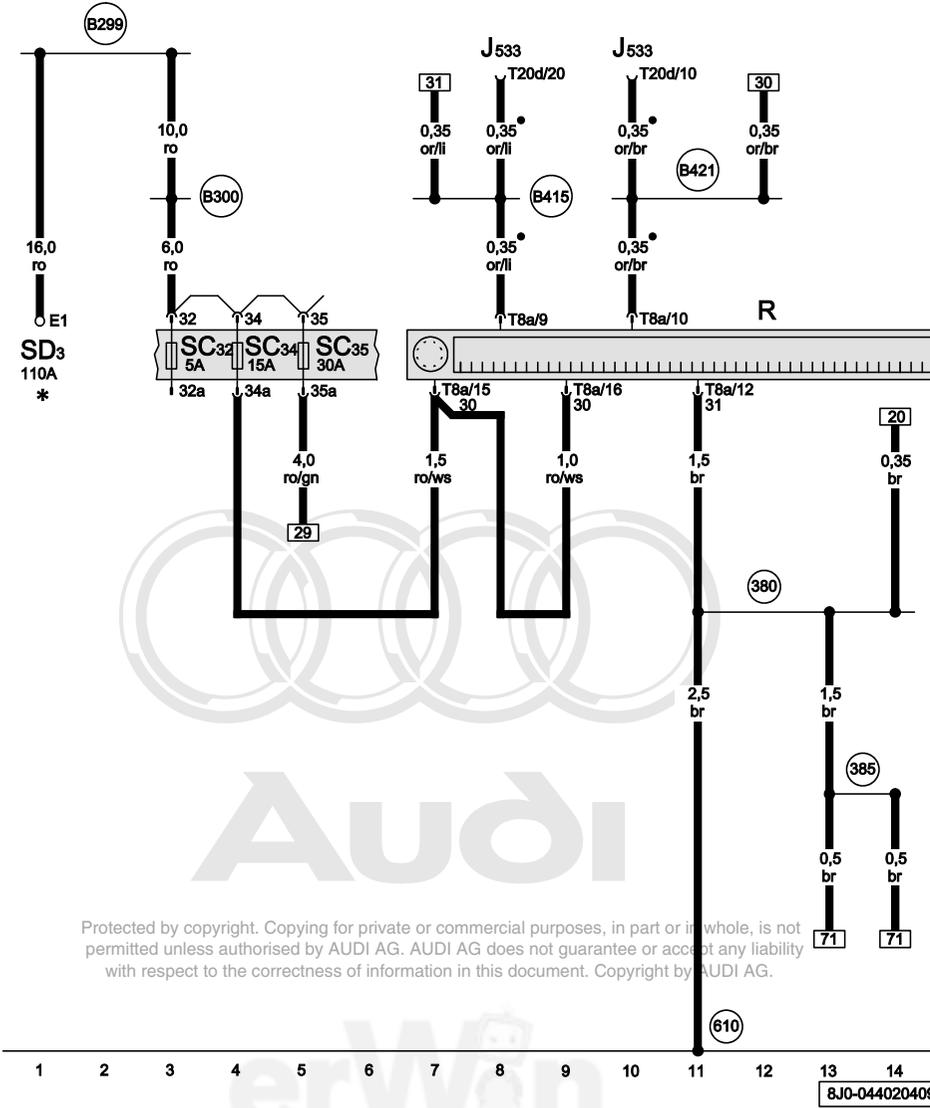
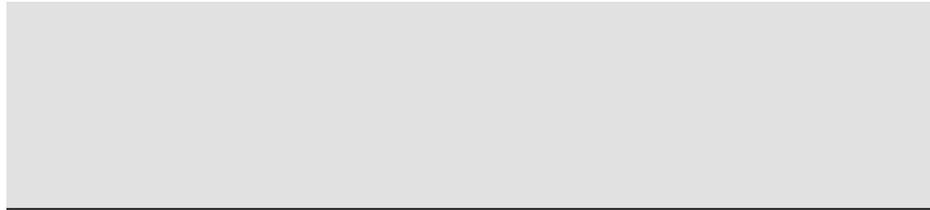
⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

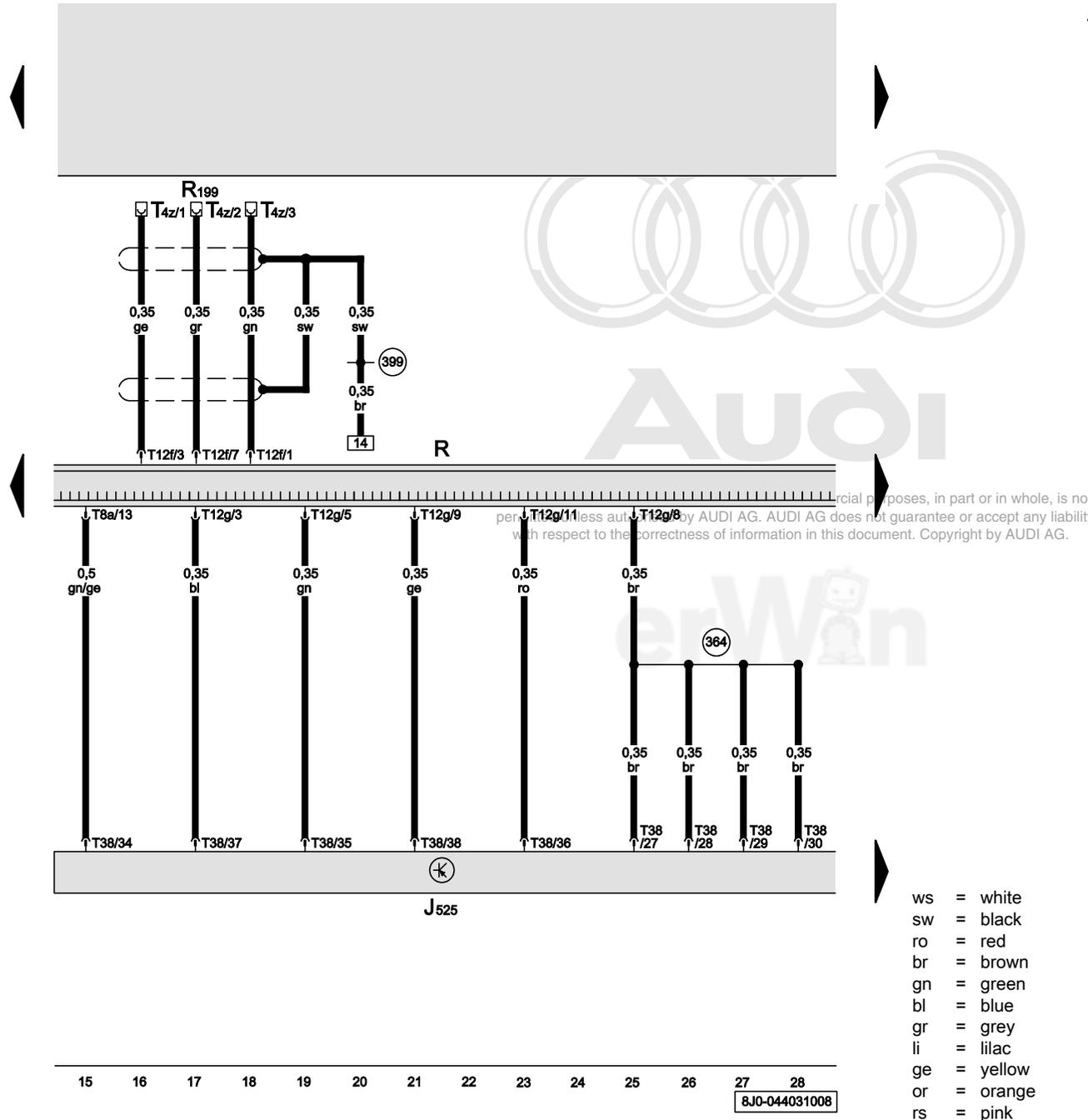
- (380) Ground Connection 15 (in main wiring harness)
- (385) Ground Connection 20 (in main wiring harness)
- (610) Ground Connection (Audio) (under center console, front)
- (B299) Plus Connection 3 (30) (in main wiring harness)
- (B300) Plus Connection 4 (30) (in main wiring harness)
- (B415) Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- (B421) Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T38 38-Pin Connector, black, on digital sound system control module
- 364 Ground Connection 1 (low frequency), in instrument panel wiring harness
- 399 Ground Connection 34 (in main wiring harness)

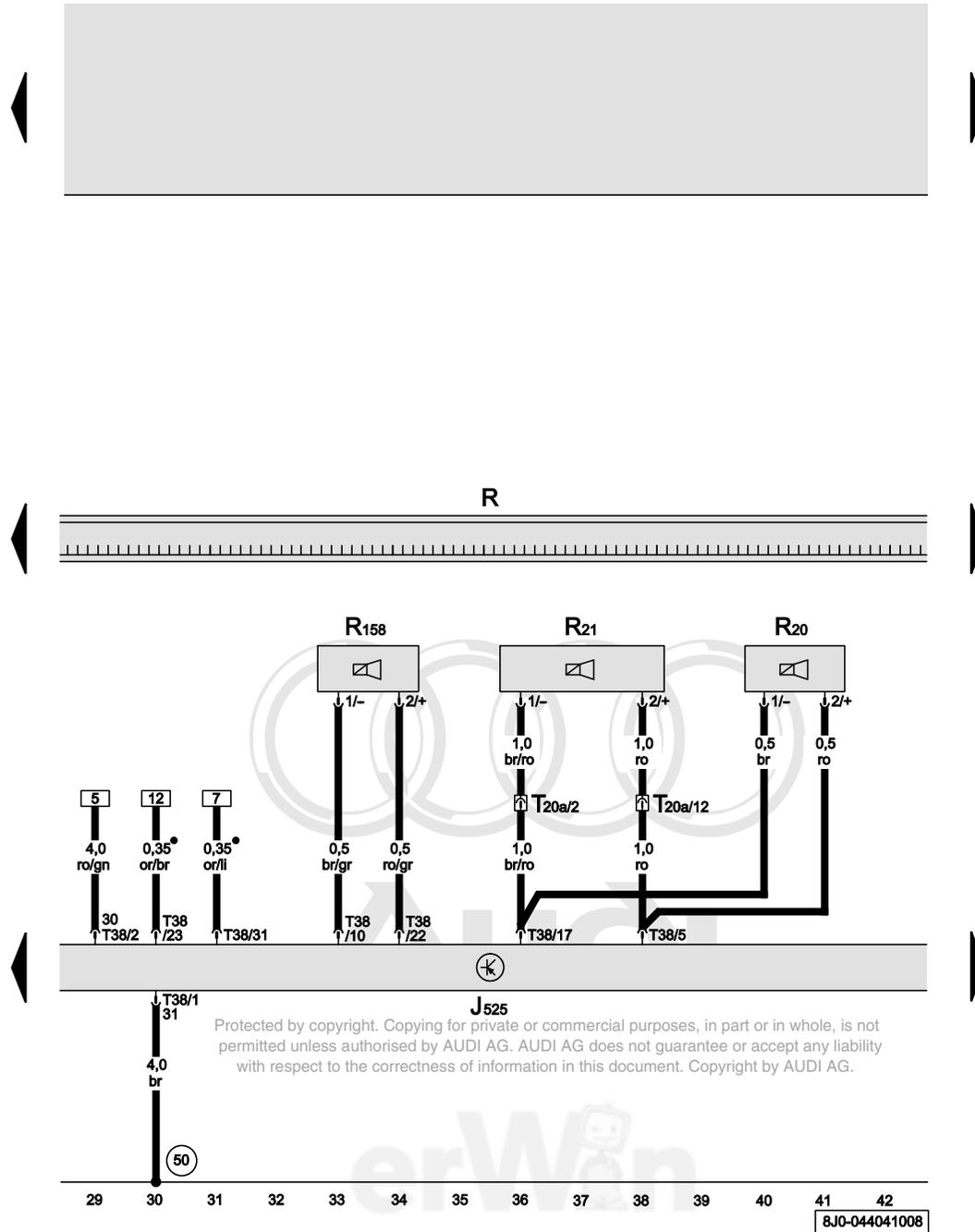


Commercial purposes, in part or in whole, is not permitted without the written permission of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left Front Bass Speaker, Center Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R158 Center Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T38 38-Pin Connector, black, on digital sound system control module

- 50 Ground Connection (in luggage compartment, left)
  - CAN-Bus (data wire)

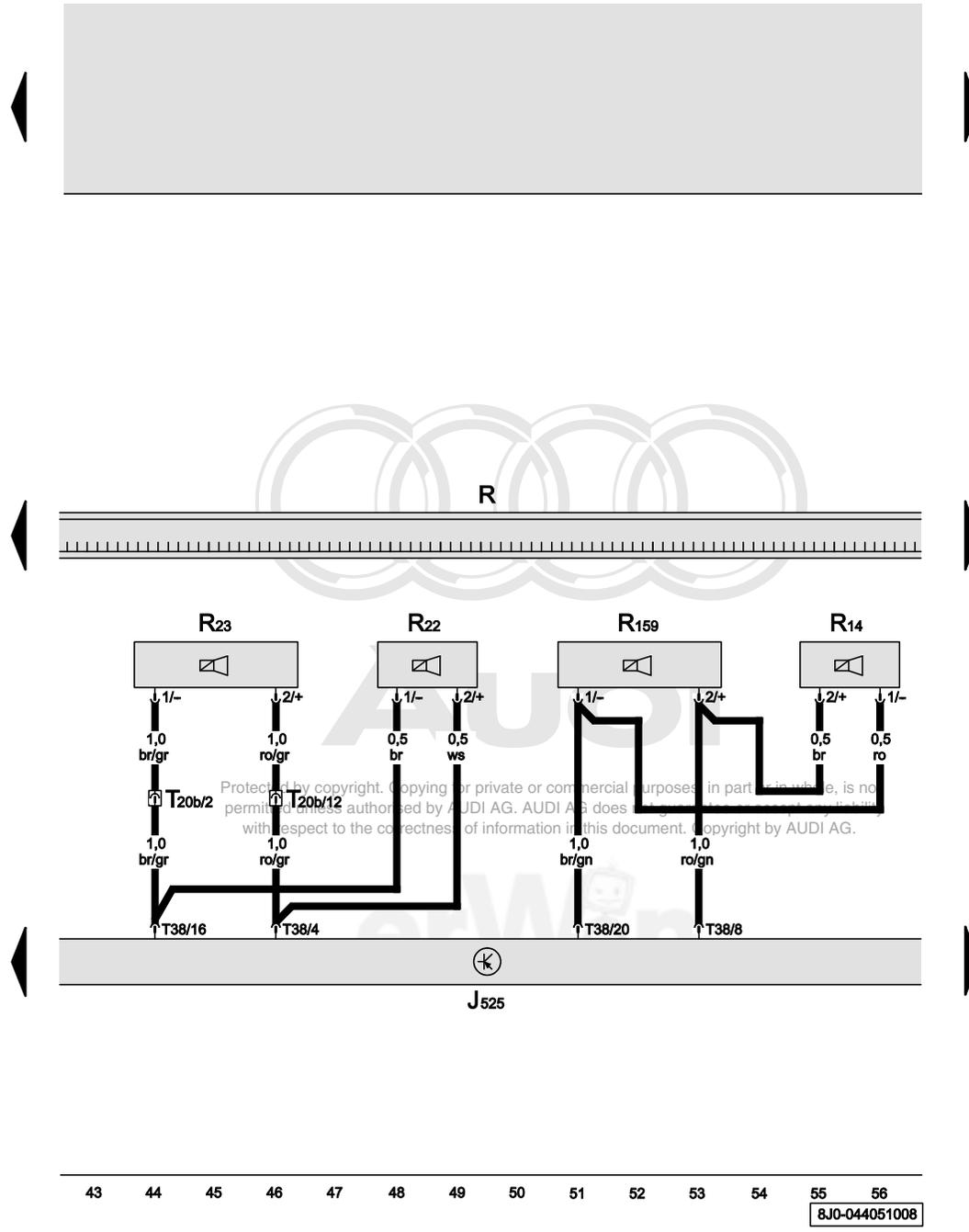


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Bass Speaker, Left Rear Mid/Low Range Speaker

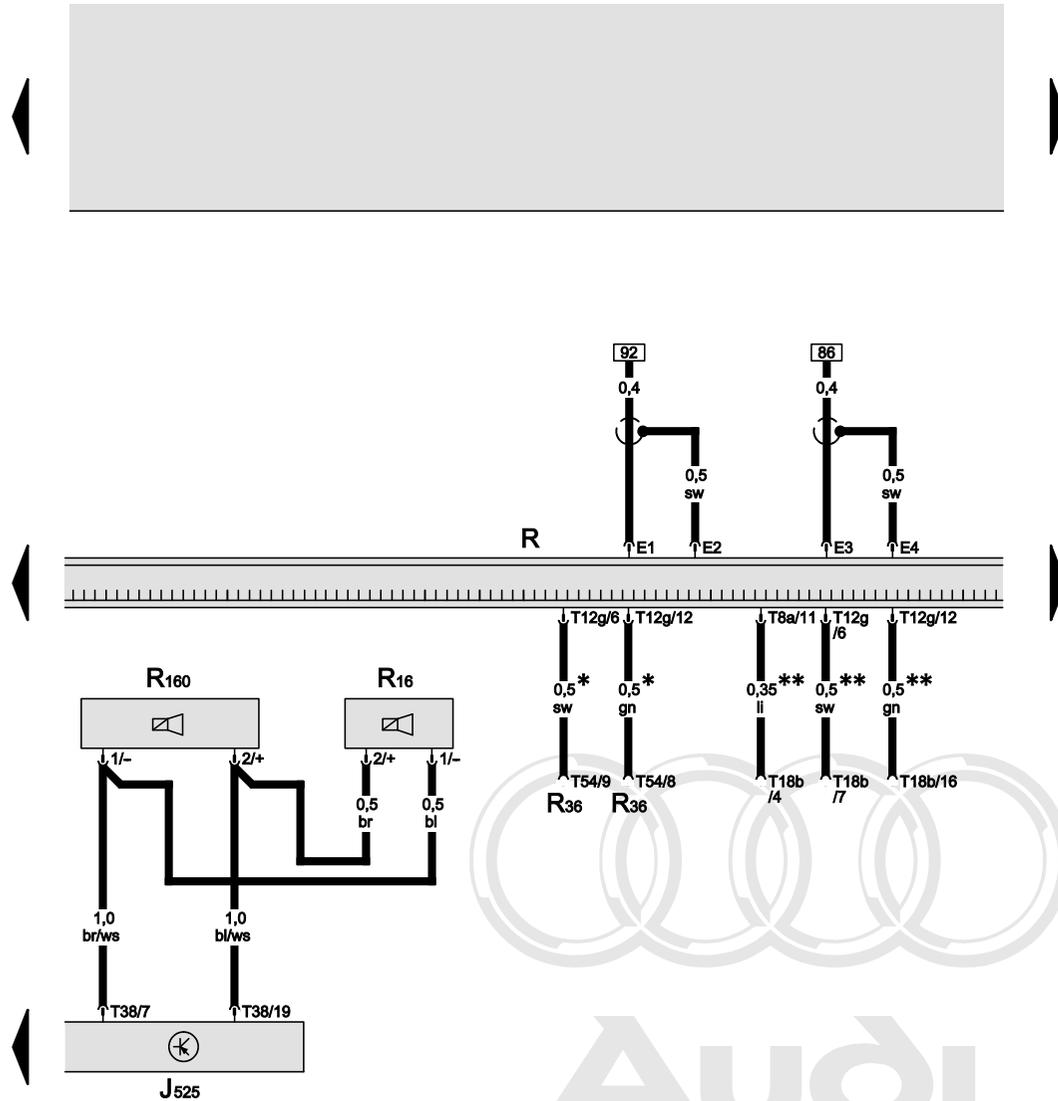
- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T38 38-Pin Connector, black, on digital sound system control module



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

Radio, Digital Sound System Control Module, Right Rear Treble Speaker, Right Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R16 Right Rear Treble Speaker
- R36 Telephone Transceiver
- R160 Right Rear Mid/Low Range Speaker
- T8a 8-Pin Connector, black, radio connector D
- T12g 12-Pin Connector, green, radio connector C
- T18b 18-Pin Connector, black, behind telephone preparation supply
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- \* Models with cellular telephone preparation (9ZF)
- \*\* Models with cellular telephone preparation (9ZD)



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

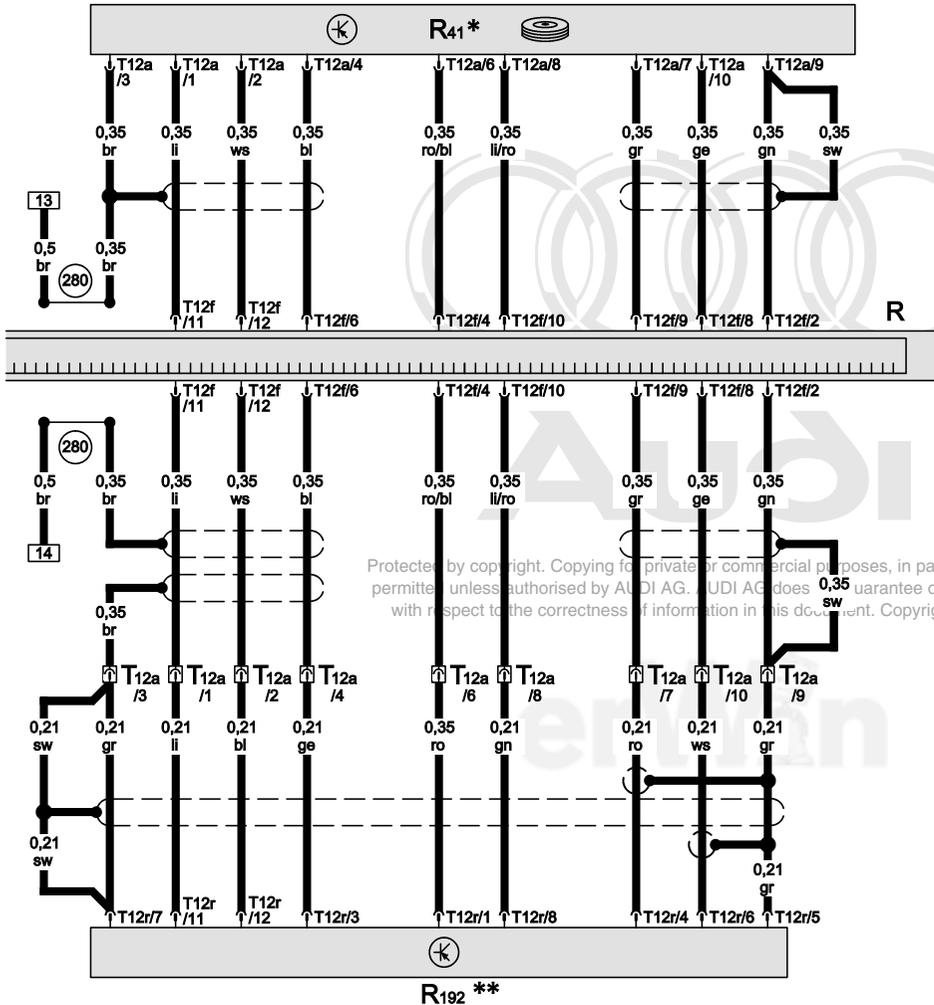
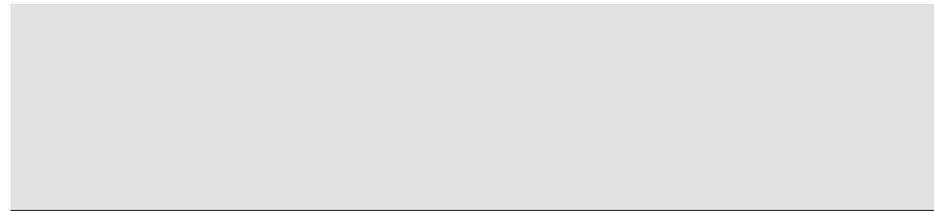
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate

280 Ground Connection (in communication wiring harness)

- \* Models with CD changer
- \*\* Models with iPod baseplate

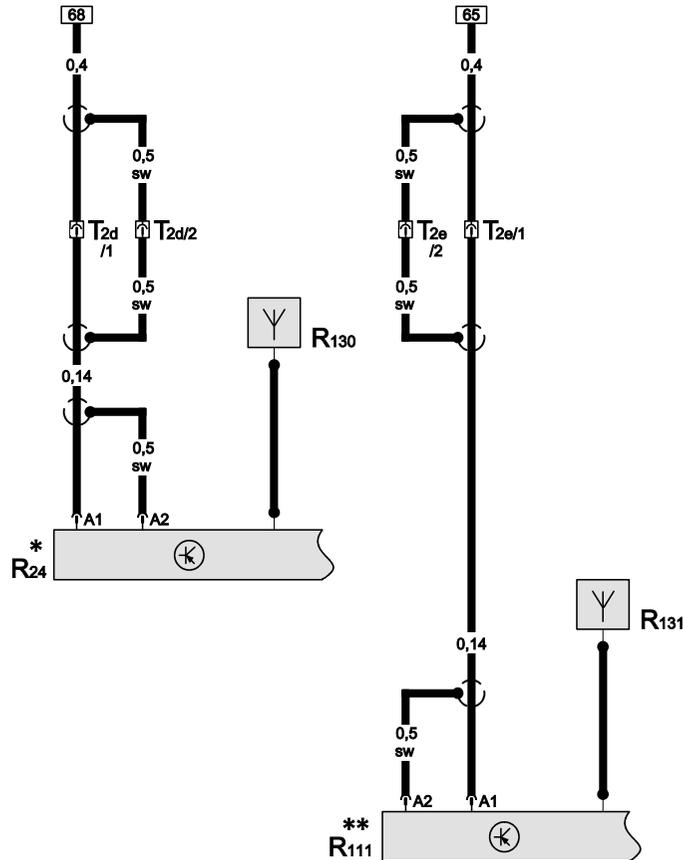


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Antenna Amplifier, Rear Window Antenna

- R24 Antenna Amplifier
- R111 Antenna Amplifier 2
- R130 Rear Window Antenna 1
- R131 Rear Window Antenna 2
- T2d Double Connector, white, on rear right roof frame
- T2e Double Connector, yellow, on rear right roof frame
- \* Upper right rear window
- \*\* Lower right rear window



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



## Radio with Standard Soundsystem (9VD) Roadster

from February 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

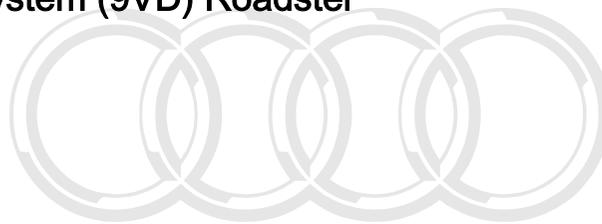
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



Audi

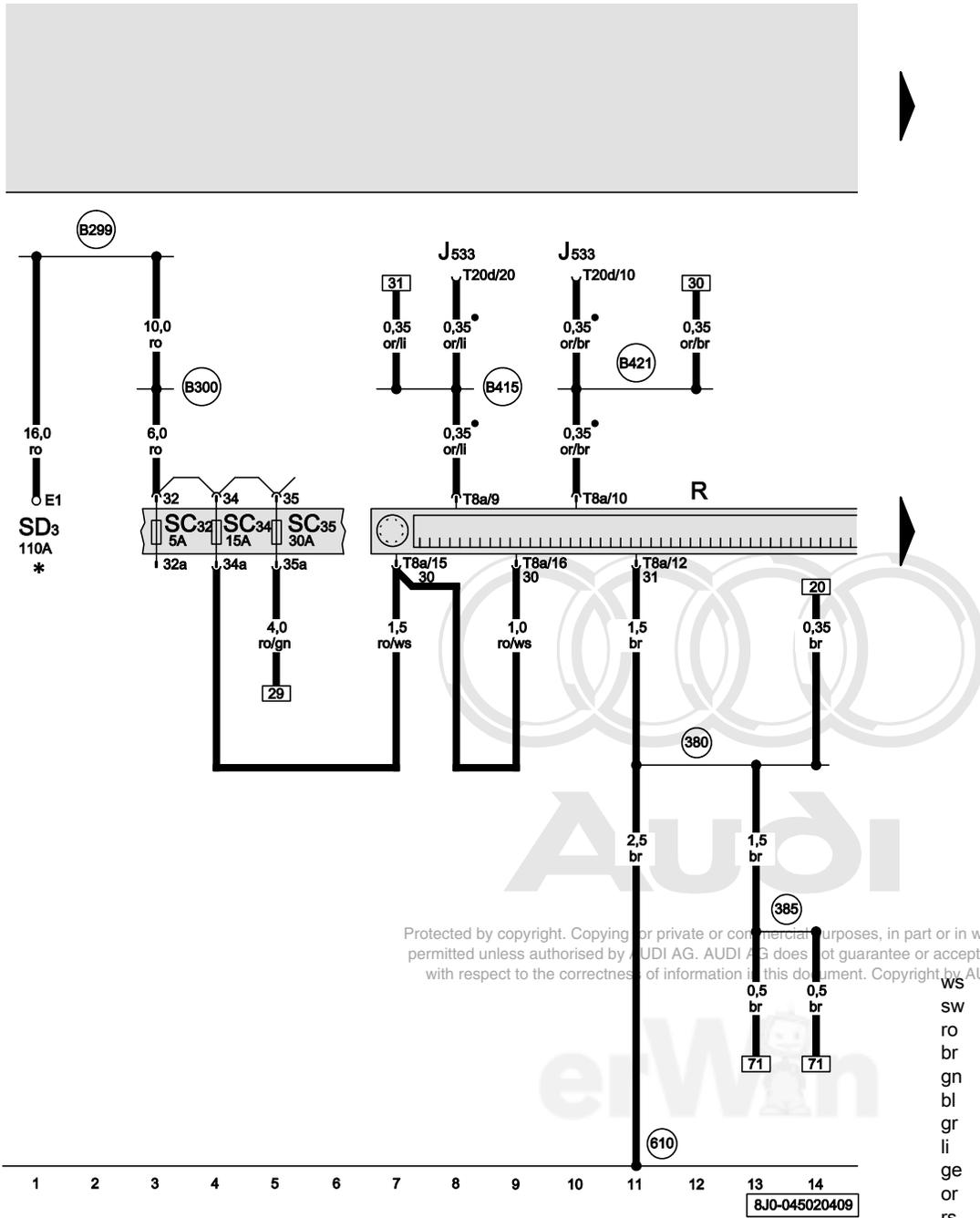
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without express authorisation by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Radio, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R Radio
- SC32 Fuse 32 (on fuse panel C)
- SC34 Fuse 34 (on fuse panel C)
- SC35 Fuse 35 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 380 Ground Connection 15 (in main wiring harness)
- 385 Ground Connection 20 (in main wiring harness)
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- \* CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

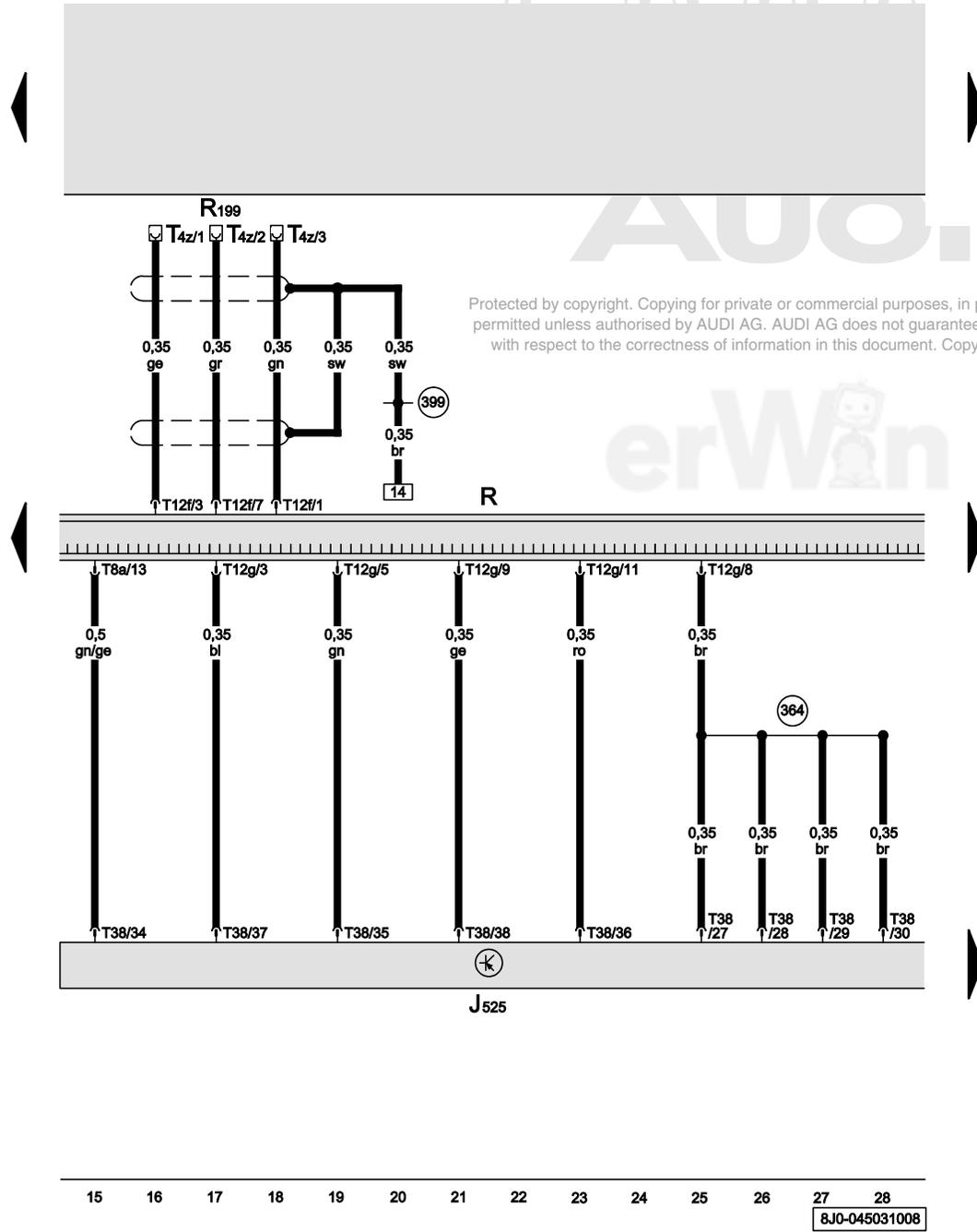
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Digital Sound System Control Module, External Audio Source Connector (AUX-IN)

- J525 Digital Sound System Control Module
- R Radio
- R199 External Audio Source Connector
- T4z 4-Pin Connector, black, AUX-IN-socket, in center console
- T8a 8-Pin Connector, black, radio connector D
- T12f 12-Pin Connector, blue, radio connector B
- T12g 12-Pin Connector, green, radio connector C
- T38 38-Pin Connector, black, on digital sound system control module

- 364 Ground Connection 1 (low frequency), in instrument panel wiring harness
- 399 Ground Connection 34 (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

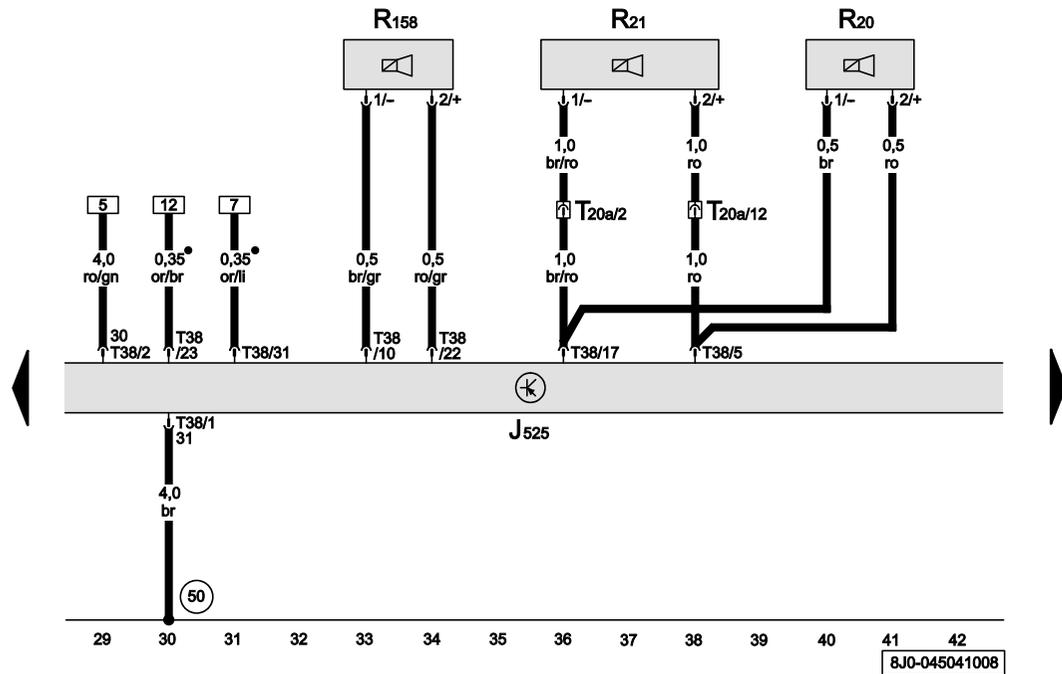
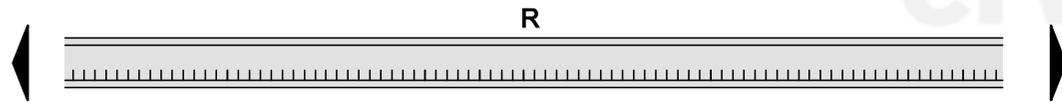
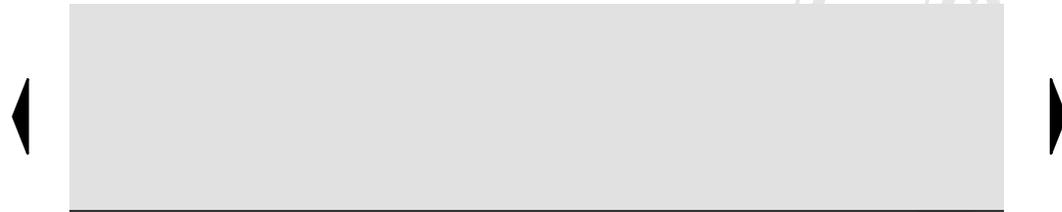
Radio, Digital Sound System Control Module, Left Front Treble Speaker, Left Front Bass Speaker, Center Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R20 Left Front Treble Speaker
- R21 Left Front Bass Speaker
- R158 Center Midrange Speaker
- T20a 20-Pin Connector, black, on front left door
- T38 38-Pin Connector, black, on digital sound system control module

50 Ground Connection (in luggage compartment, left)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

CAN-Bus (data wire)

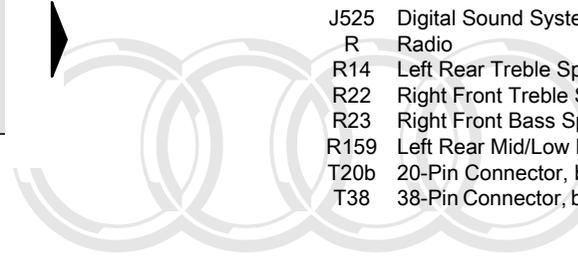
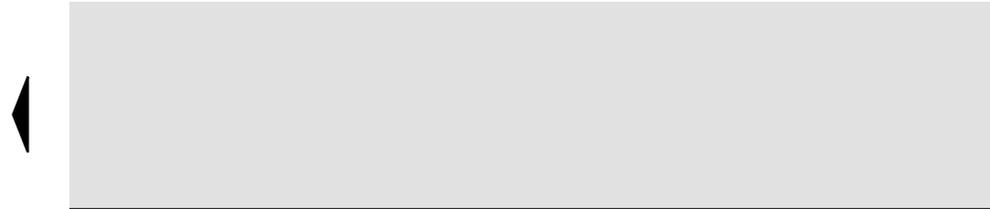


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-045041008

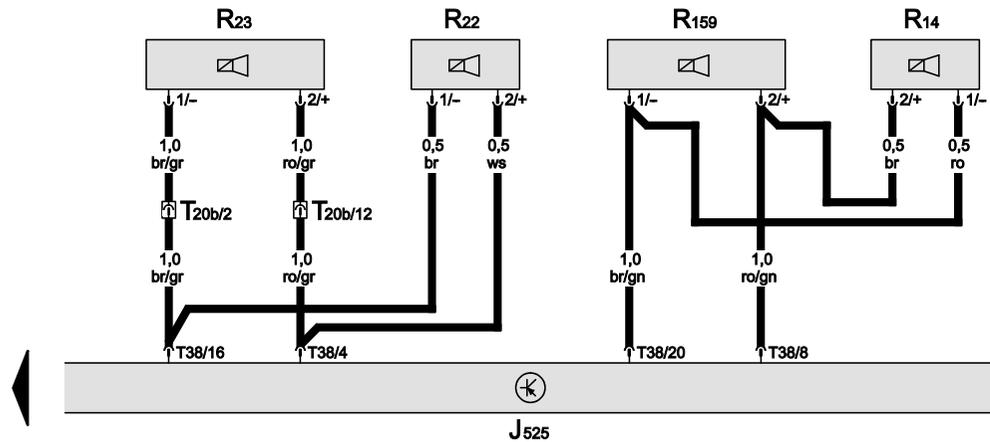
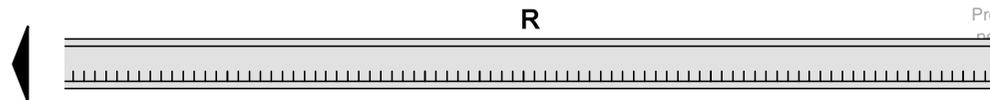
Radio, Digital Sound System Control Module, Left Rear Treble Speaker, Right Front Treble Speaker, Right Front Bass Speaker, Left Rear Mid/Low Range Speaker

- J525 Digital Sound System Control Module
- R Radio
- R14 Left Rear Treble Speaker
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R159 Left Rear Mid/Low Range Speaker
- T20b 20-Pin Connector, black, on front right door
- T38 38-Pin Connector, black, on digital sound system control module



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

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

8J0-045051008

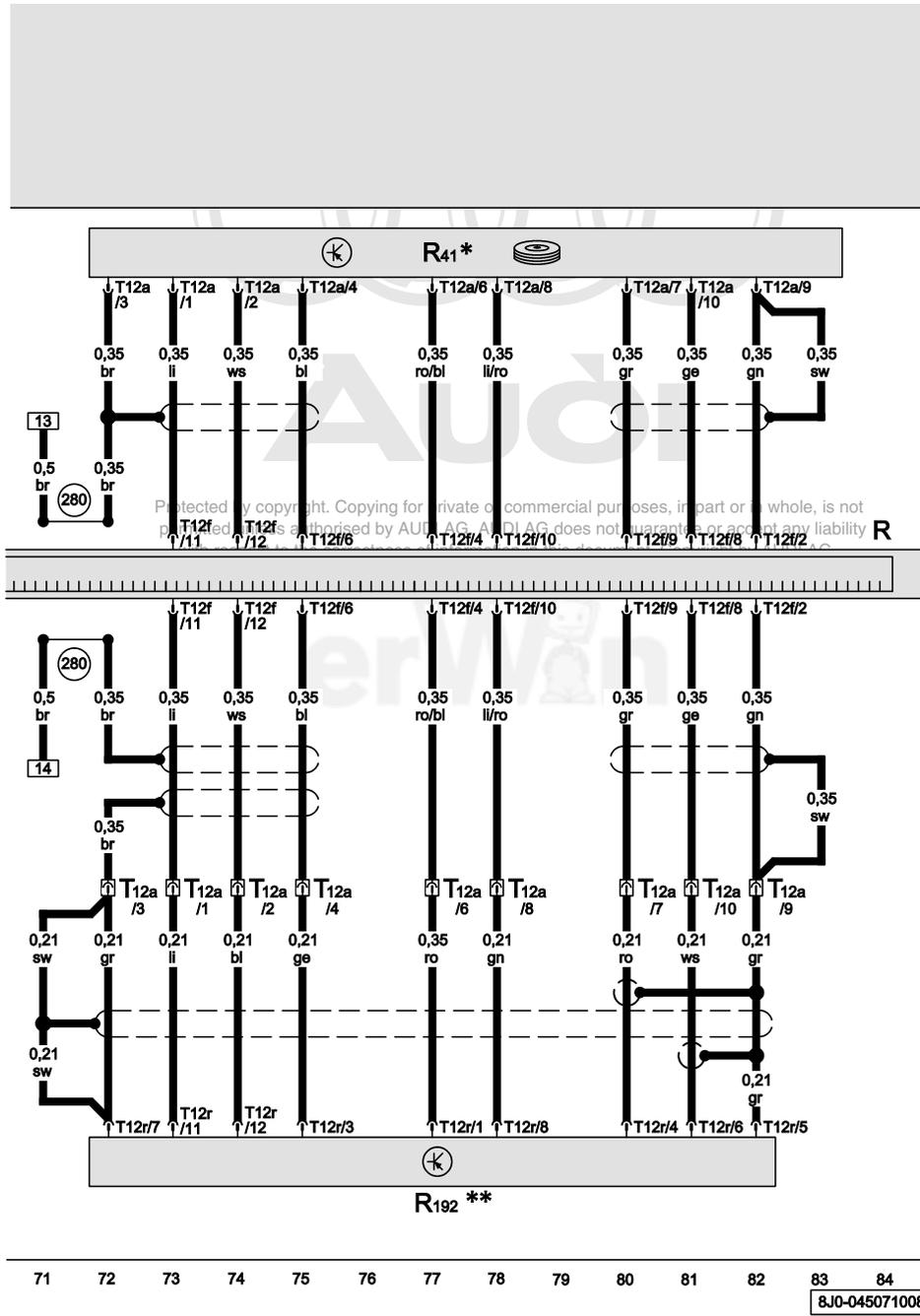


Radio, CD Changer, iPod Baseplate

- R Radio
- R41 CD Changer
- R192 iPod Baseplate
- T12a 12-Pin Connector, black, on CD changer
- T12f 12-Pin Connector, blue, radio connector B
- T12r 12-Pin Connector, black, on iPod baseplate

280 Ground Connection (in communication wiring harness)

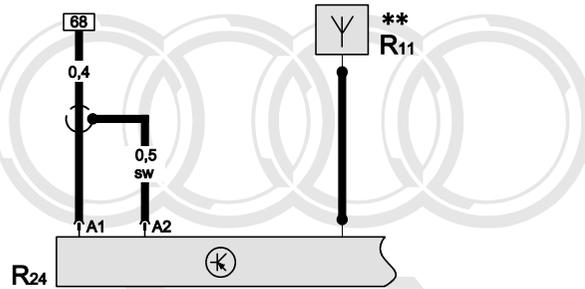
- \* Models with CD changer
- \*\* Models with iPod baseplate



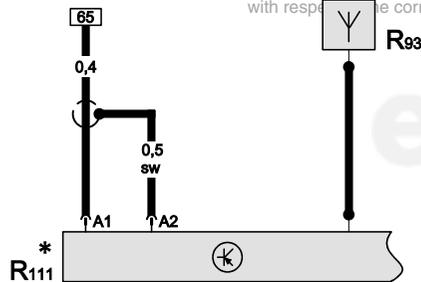
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Antenna Amplifier, Radio Antenna 2

- R11 Antenna
- R24 Antenna Amplifier
- R93 Radio Antenna 2
- R111 Antenna Amplifier 2
- \* Right rear
- \*\* Rear left rod antenna



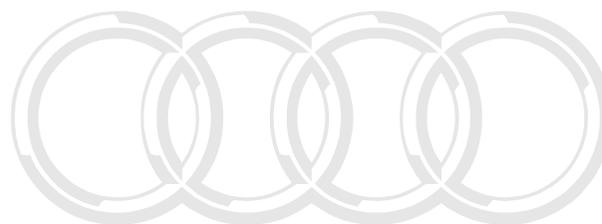
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

2.5L gasoline engine , CEPA,CEPB,CRR

From March 2009

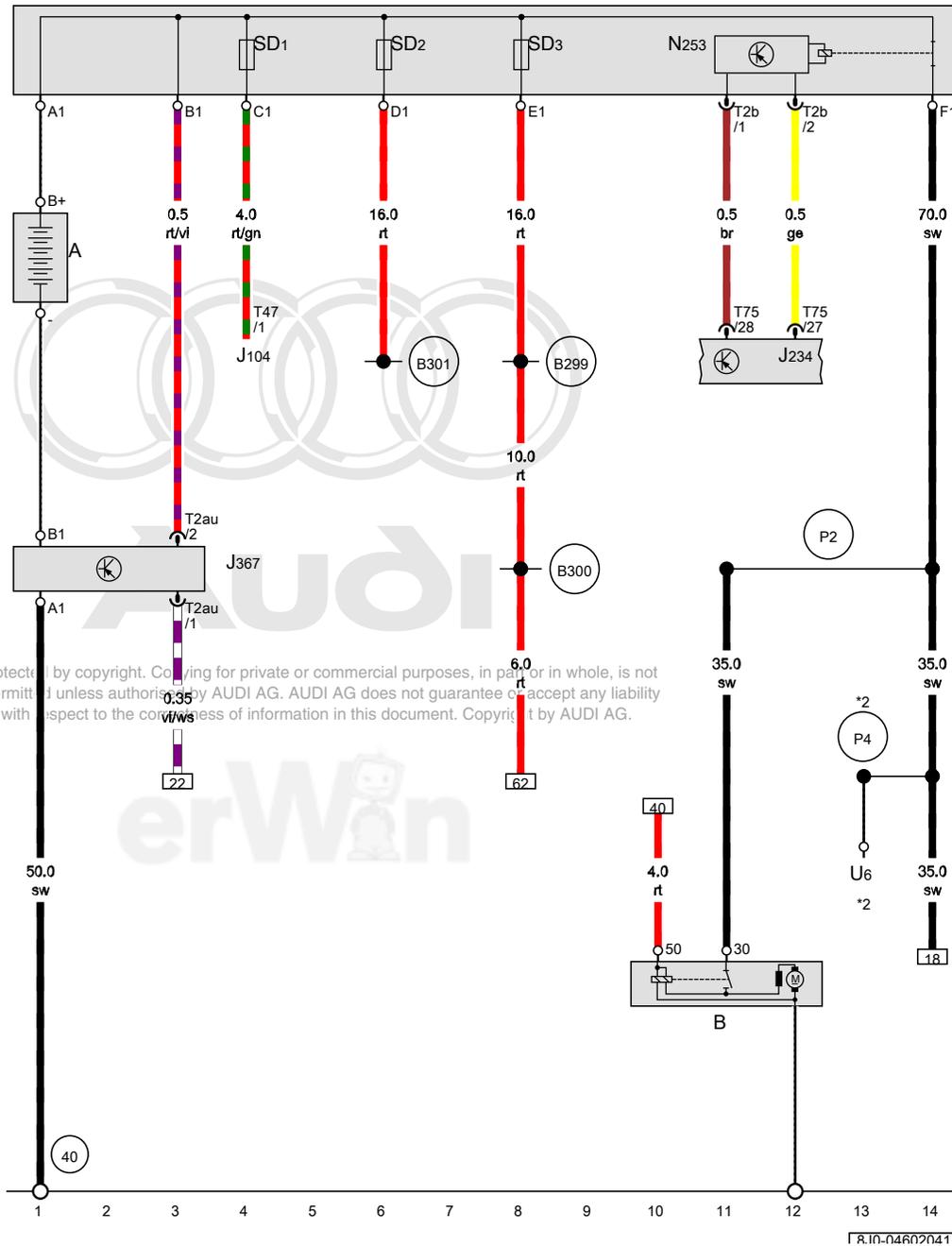


Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Battery, Starter, Battery monitoring control module, Battery interrupt igniter



- A Battery
- B Starter
- J104 ABS control module
- J234 Airbag control module
- J367 Battery monitoring control module
- N253 Battery interrupt igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2au Double connector
- T2b Double connector
- T47 47-pin connector
- T75 75-pin connector
- U6 Battery jump start terminal
- 40 Ground connection under right rear bench seat
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- P2 Positive connection (30) (in battery wiring harness)
- P4 Positive connection 2 (30) (in battery wiring harness)
- \* Main fuse box in the right rear luggage compartment, at the battery
- \*2 Only for vehicles with battery jump start terminal

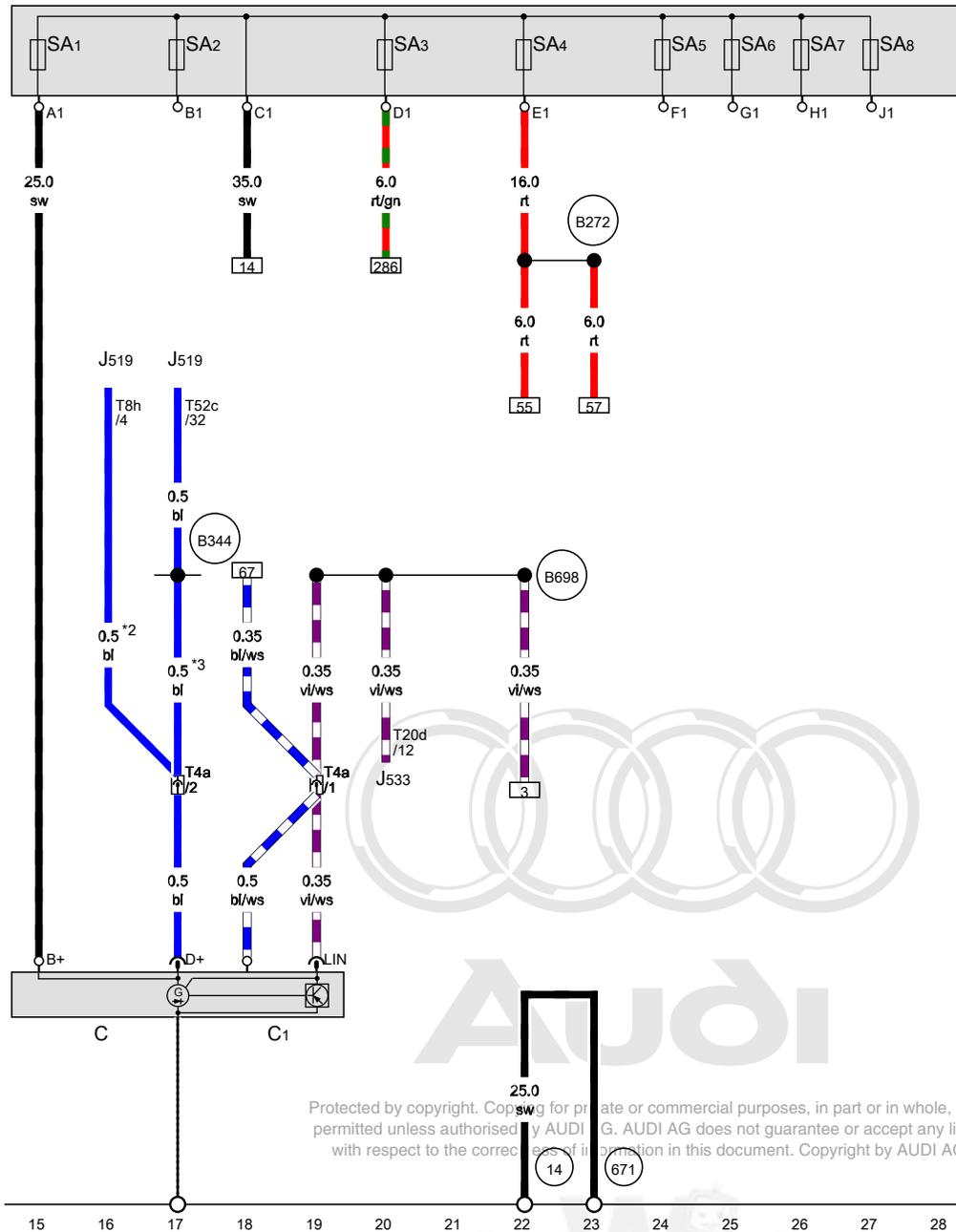
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

18.10-046020411

Generator

- C Generator
- C1 Voltage regulator
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T4a 4-pin connector, in the engine compartment, left front
- T8h 8-pin connector
- T20d 20-pin connector
- T52c 52-pin connector

- 14 Ground connection on transmission
- 671 Ground connection 1 on left front longitudinal member
- B272 Positive connection (30) (in main wiring harness)
- B344 Connection 1 (61) (in main wiring harness)
- B698 LIN bus connection 3 (in main wiring harness)
- \* Main fuse carrier in left plenum chamber E-box
- \*2 Through May 2009
- \*3 From June 2009



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

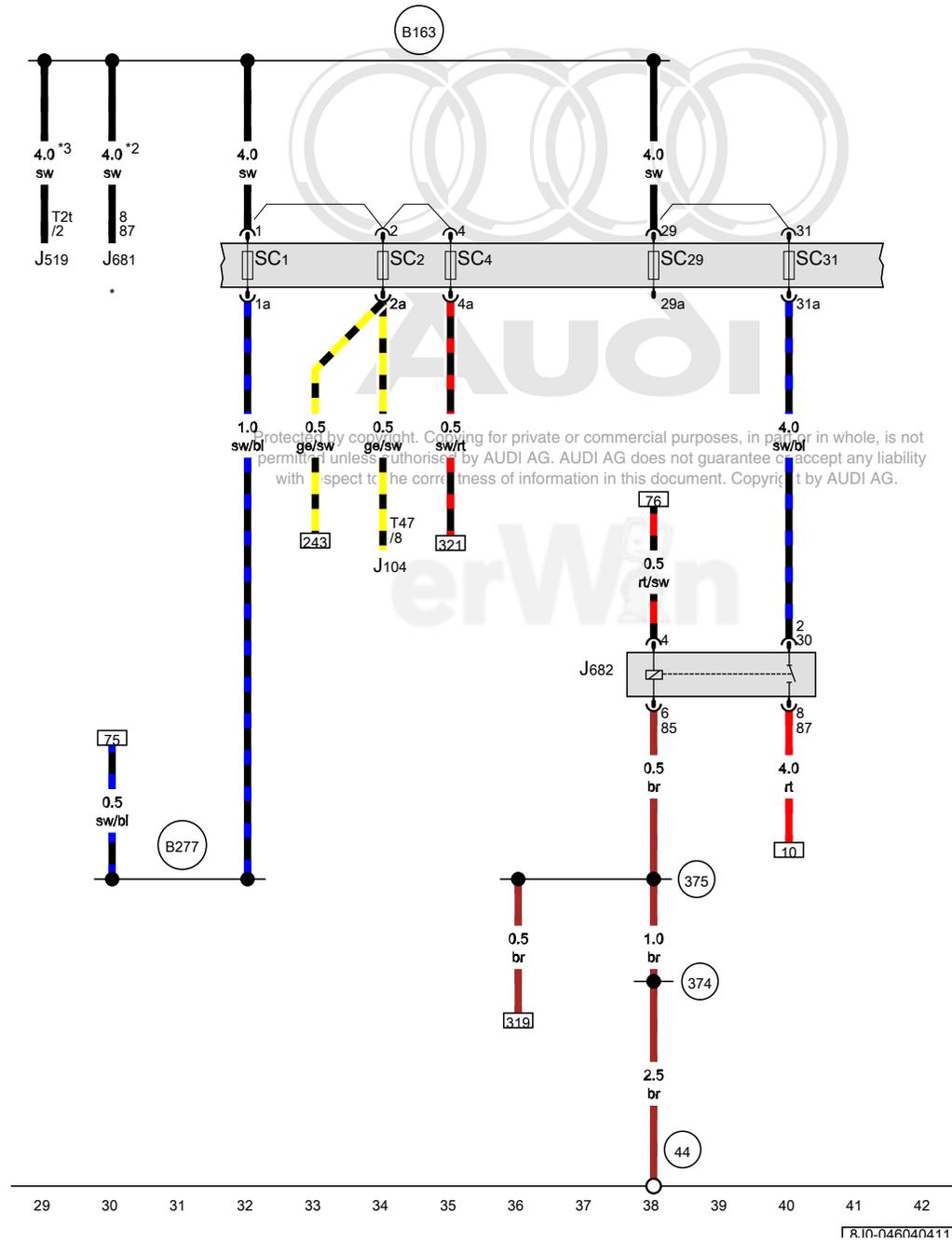
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Γ.8.10-046030411

Terminal 50 power supply relay

- J104 ABS control module
- J519 Vehicle electrical system control module
- J681 Terminal 15 power supply relay 2
- J682 Terminal 50 power supply relay
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T2t Double connector
- T47 47-pin connector

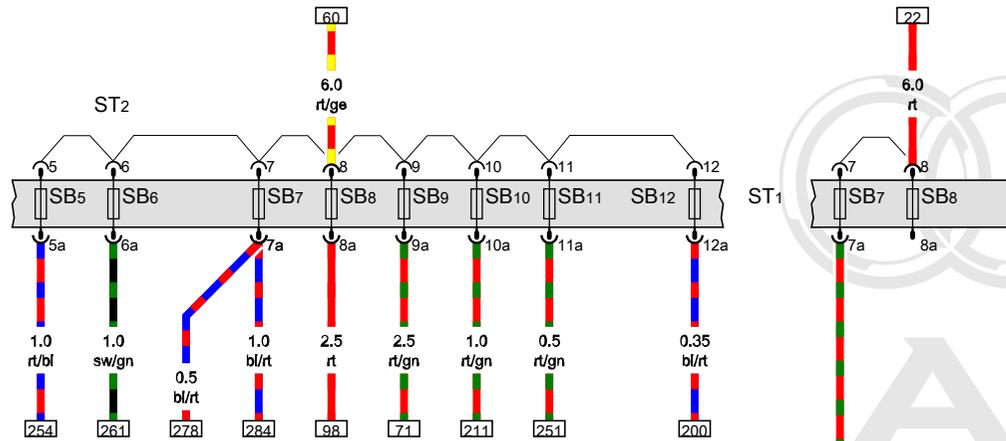
- 44 Ground connection on A-pillar, lower left
- 374 Ground connection 9 (in main wiring harness)
- 375 Ground connection 10 (in main wiring harness)
- B163 Positive connection 1 (15) (in interior wiring harness)
- B277 Positive connection 1 (15a) (in main wiring harness)
- \* Relay carrier on the vehicle electrical system control module, under the instrument panel, left
- \*2 From June 2009
- \*3 Through May 2009



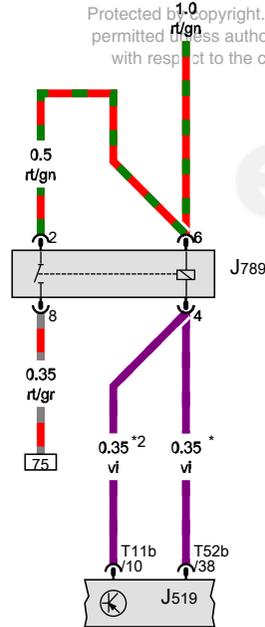
18.10-046040411

Control relay

- J519 Vehicle electrical system control module
- J789 Control relay, Relay carrier under the instrument panel, left
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T11b 11-pin connector
- T52b 52-pin connector
- \* From June 2009
- \*2 Through May 2009



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



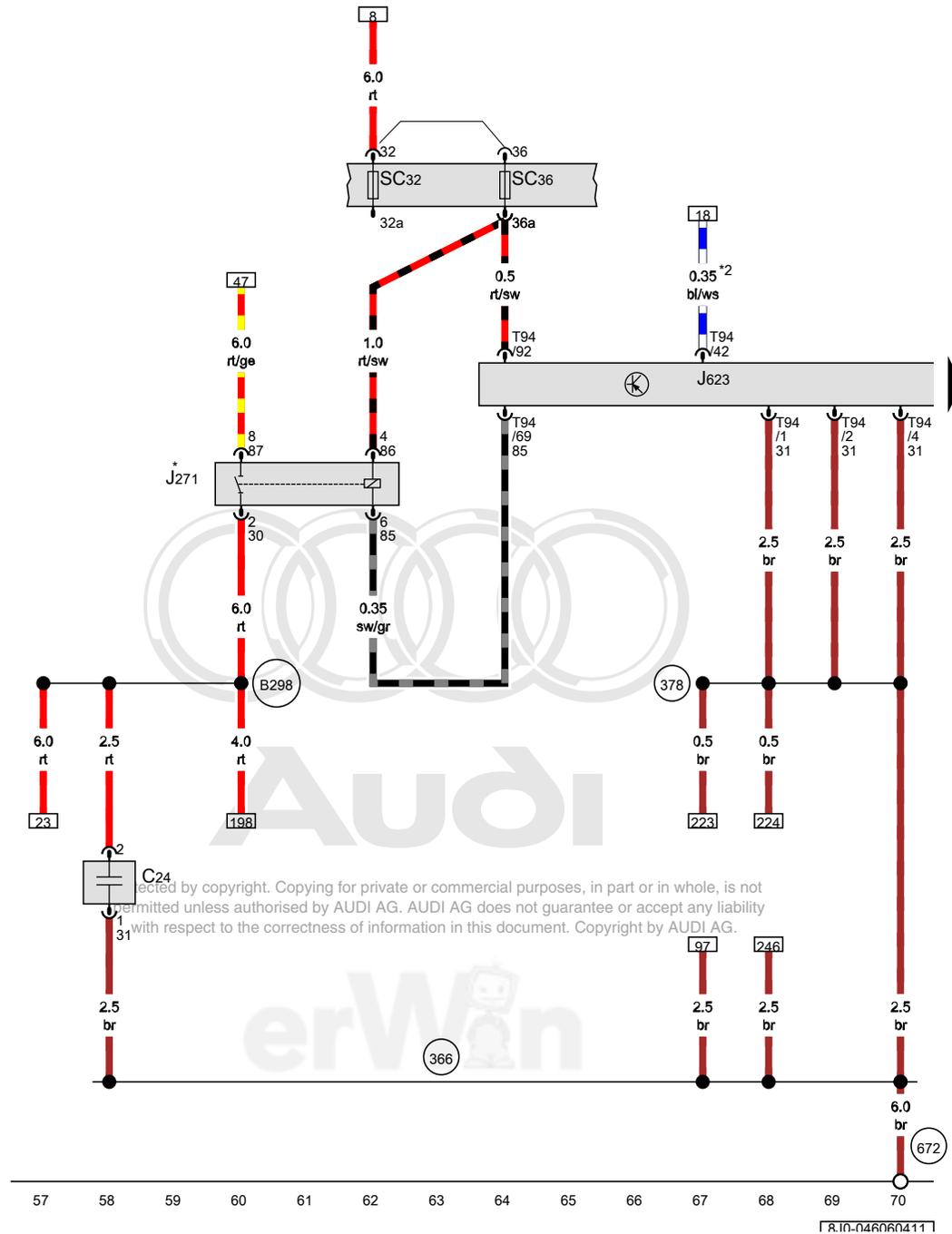
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Suppressor, Motronic engine control module power supply relay, Engine control module

- C24 Suppressor, in the engine compartment E-box
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T94 94-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 378 Ground connection 13 (in main wiring harness)
- 672 Ground connection 2 on left front longitudinal member
- B298 Positive connection 2 (30) (in main wiring harness)

\* Relay and fuse carrier in the engine compartment E-box  
 \*2 Through May 2009



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

Copyrighted by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

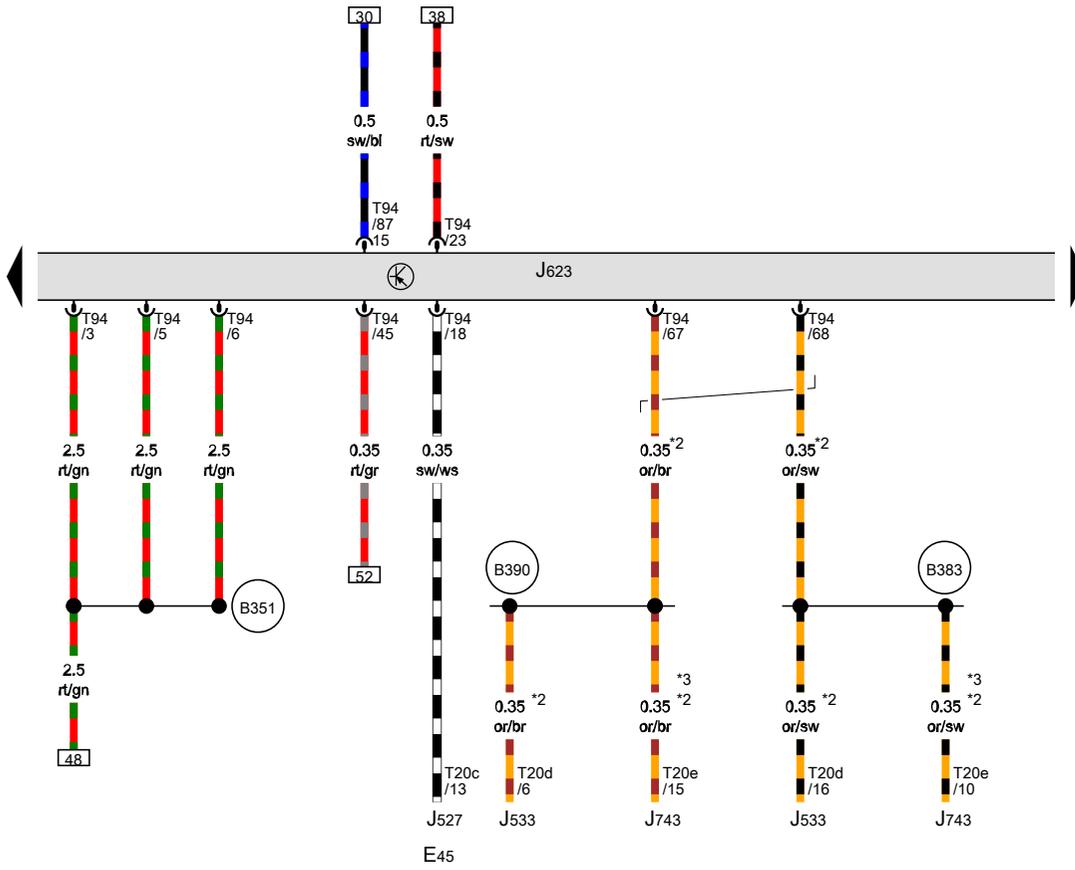
Engine control module

- E45 Cruise control switch
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T20c 20-pin connector
- T20d 20-pin connector
- T20e 20-pin connector
- T94 94-pin connector

- B351 Positive connection 2 (87a) (in main wiring harness)
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)

- \* Only for vehicles with cruise control
- \*2 Data bus wire (CAN bus)
- \*3 Only for vehicles with DSG transmission 02E

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



71 72 73 74 75 76 77 78 79 80 81 82 83 84

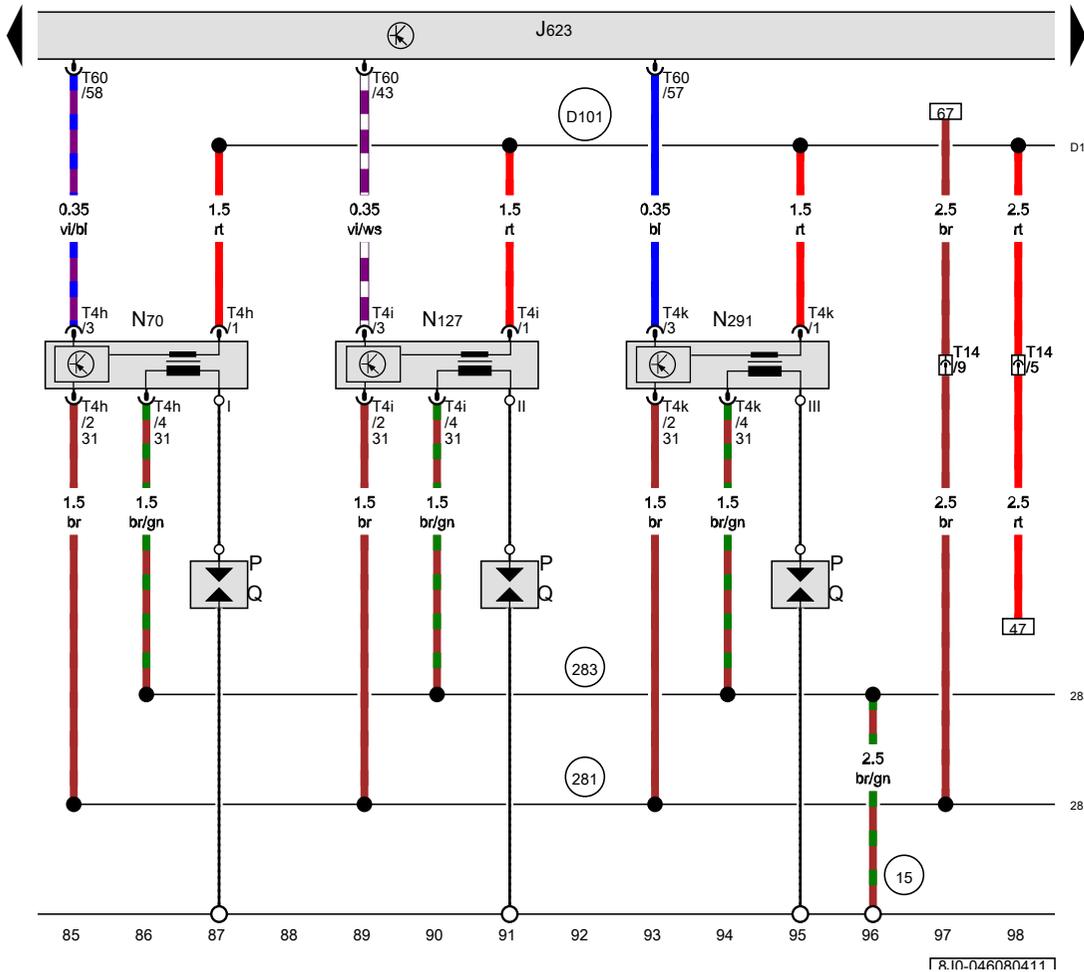
18.10-046070411

Engine control module, Ignition coil 1 with power output stage

- J623 Engine control module
- N70 Ignition coil 1 with power output stage
- N127 Ignition coil 2 with power output stage
- N291 Ignition coil 3 with power output stage
- P Spark plug connectors
- Q Spark plugs
- T4h 4-pin connector
- T4i 4-pin connector
- T4k 4-pin connector
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector

- 15 Ground connection on cylinder head
- 281 Ground connection 1 (in engine wiring harness)
- 283 Ground connection 2 (in engine wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by Audi AG. **D101 Connection (1) (in engine compartment wiring harness)** with respect to the correctness of information in this document. Copyright by AUDI AG.



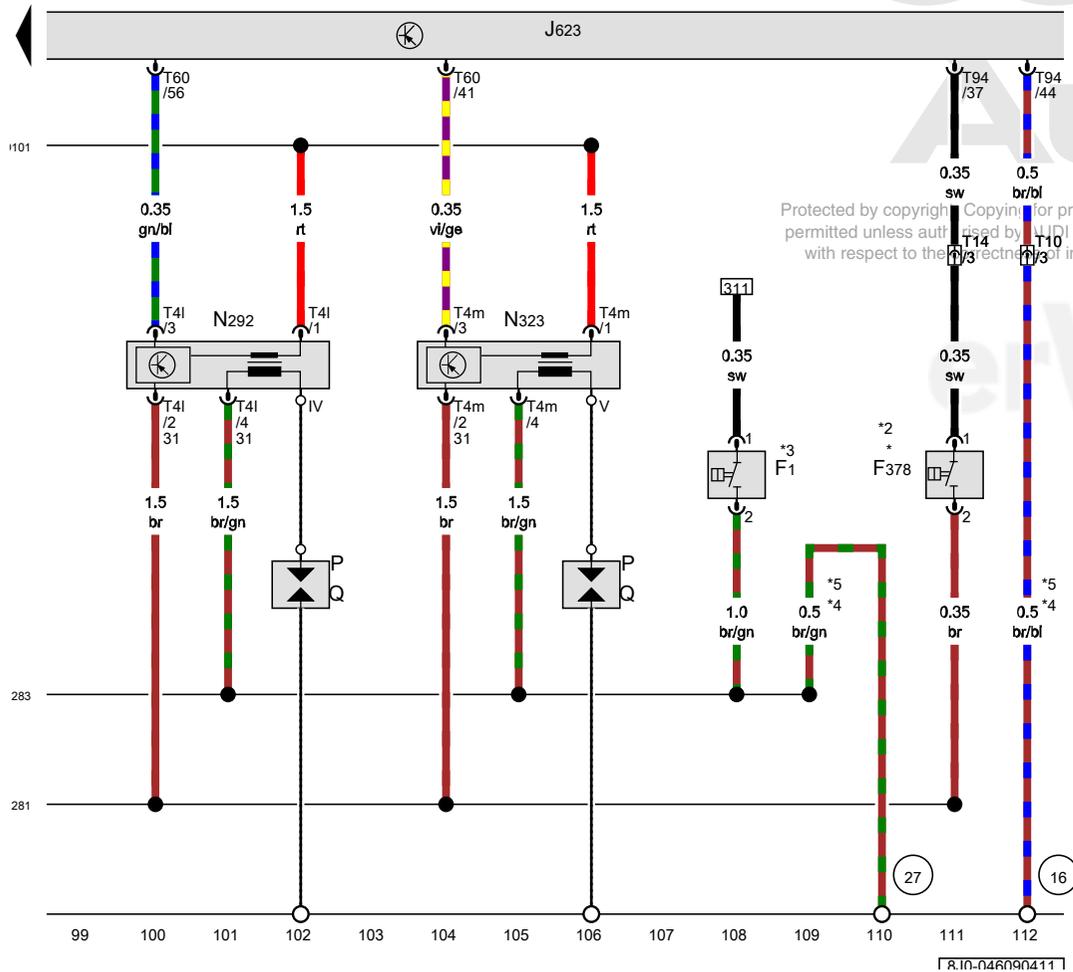
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

18.10-046080411

Oil pressure switch, Reduced oil pressure switch, Engine control module

- F1 Oil pressure switch
- F378 Reduced oil pressure switch
- J623 Engine control module
- N292 Ignition coil 4 with power output stage
- N323 Ignition coil 5 with power output stage
- P Spark plug connectors
- Q Spark plugs
- T4l 4-pin connector
- T4m 4-pin connector
- T10 10-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- T94 94-pin connector

- 16 Ground connection 1 on valve cover
- 27 Ground connection 2 on valve cover
- 281 Ground connection 1 (in engine wiring harness)
- 283 Ground connection 2 (in engine wiring harness)
- D101 Connection (1) (in engine compartment wiring harness)
- \* 0.9 bar
- \*2 From June 2010
- \*3 Through May 2010
- \*4 USA only
- \*5 Only for vehicles with a manual transmission



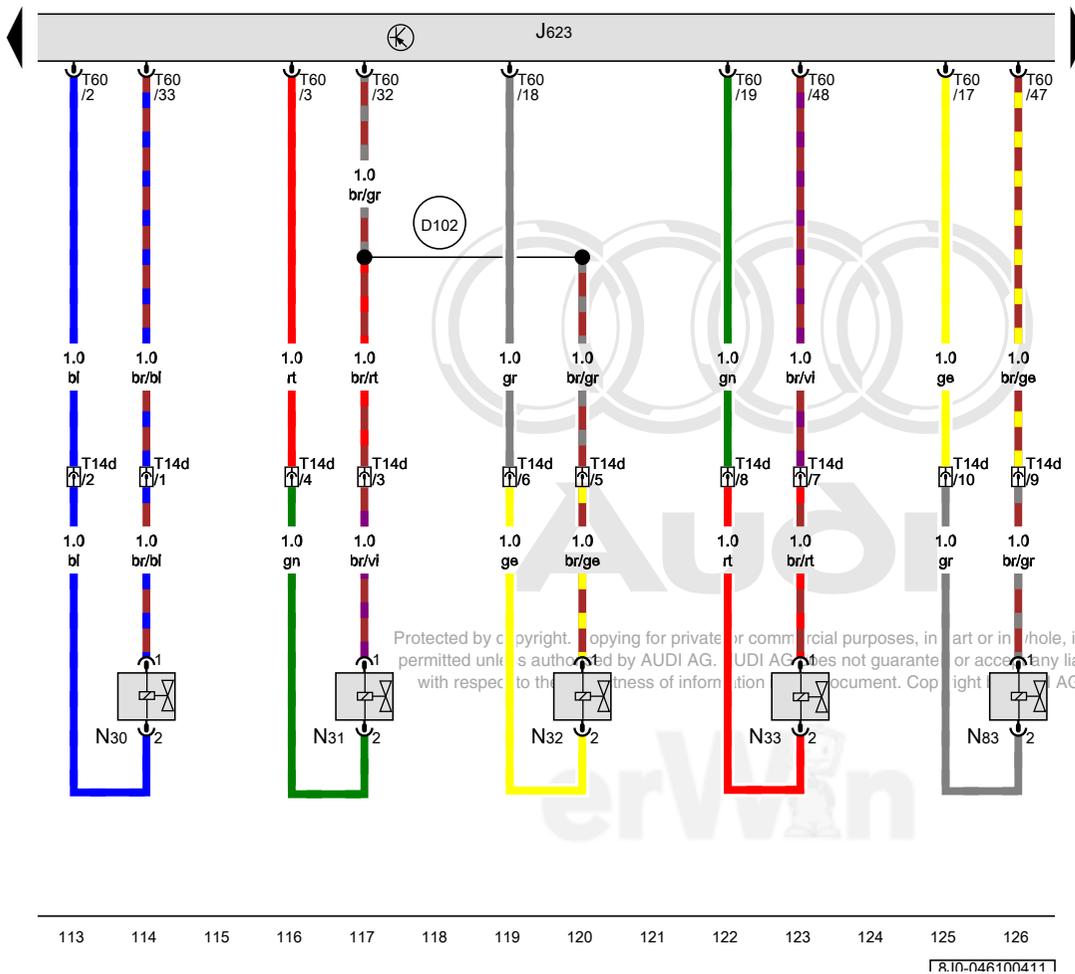
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

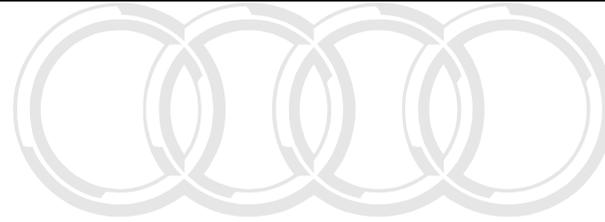
18.10.046090411

Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Cylinder 5 fuel injector

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- N83 Cylinder 5 fuel injector
- T14d 14-pin connector, brown
- T60 60-pin connector

D102 Connection (2) (in engine compartment wiring harness)



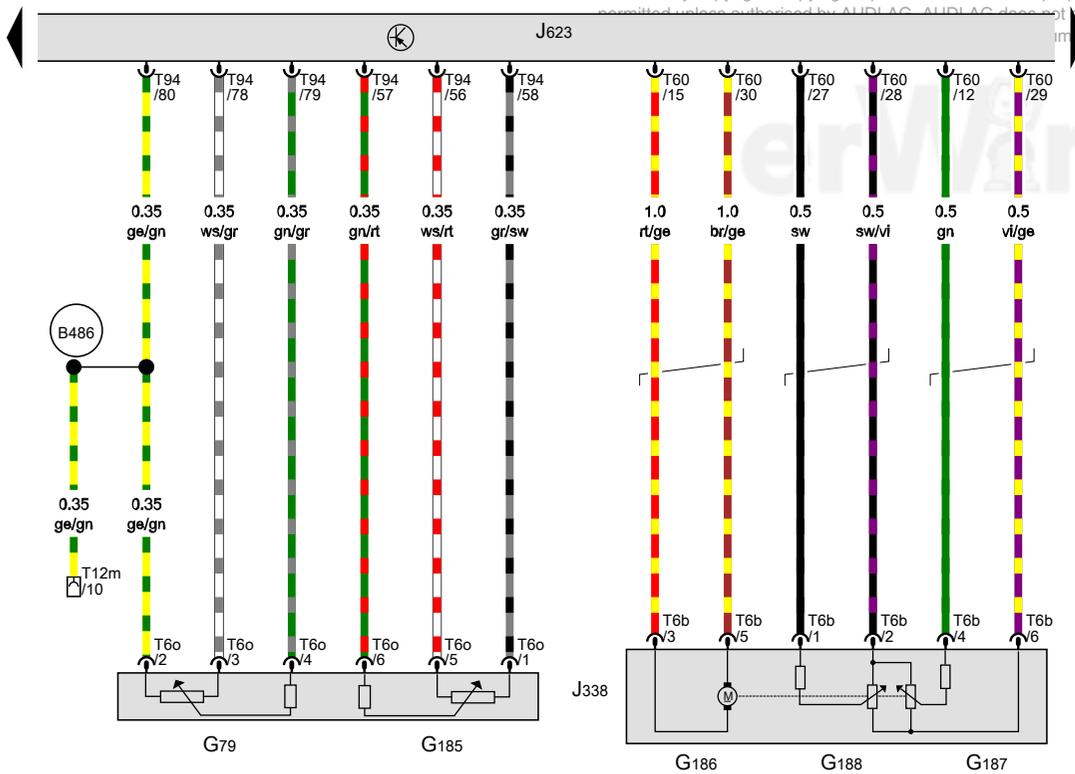


Audi

Accelerator pedal position sensor, Throttle valve control module, Engine control module

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- J338 Throttle valve control module
- J623 Engine control module
- T6b 6-pin connector
- T6o 6-pin connector
- T12m 12-pin connector, in the luggage compartment, right rear
- T60 60-pin connector
- T94 94-pin connector

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability for errors or omissions. Copyright by AUDI AG.



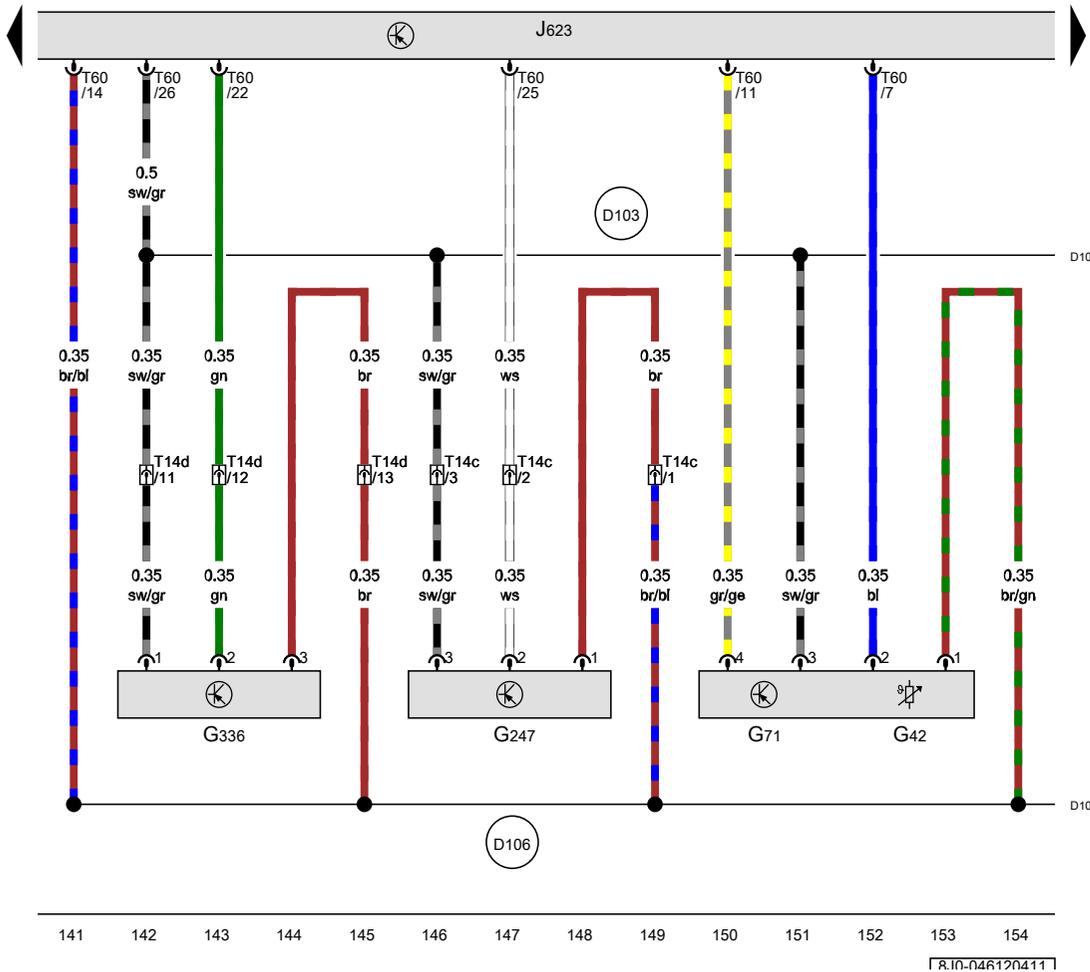
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine control module

- G42 Intake air temperature sensor
- G71 Manifold absolute pressure sensor
- G247 Fuel pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T14c 14-pin connector, black
- T14d 14-pin connector, brown
- T60 60-pin connector

D103 Connection (3) (in engine compartment wiring harness)

D106 Connection (4) (in engine compartment wiring harness)



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

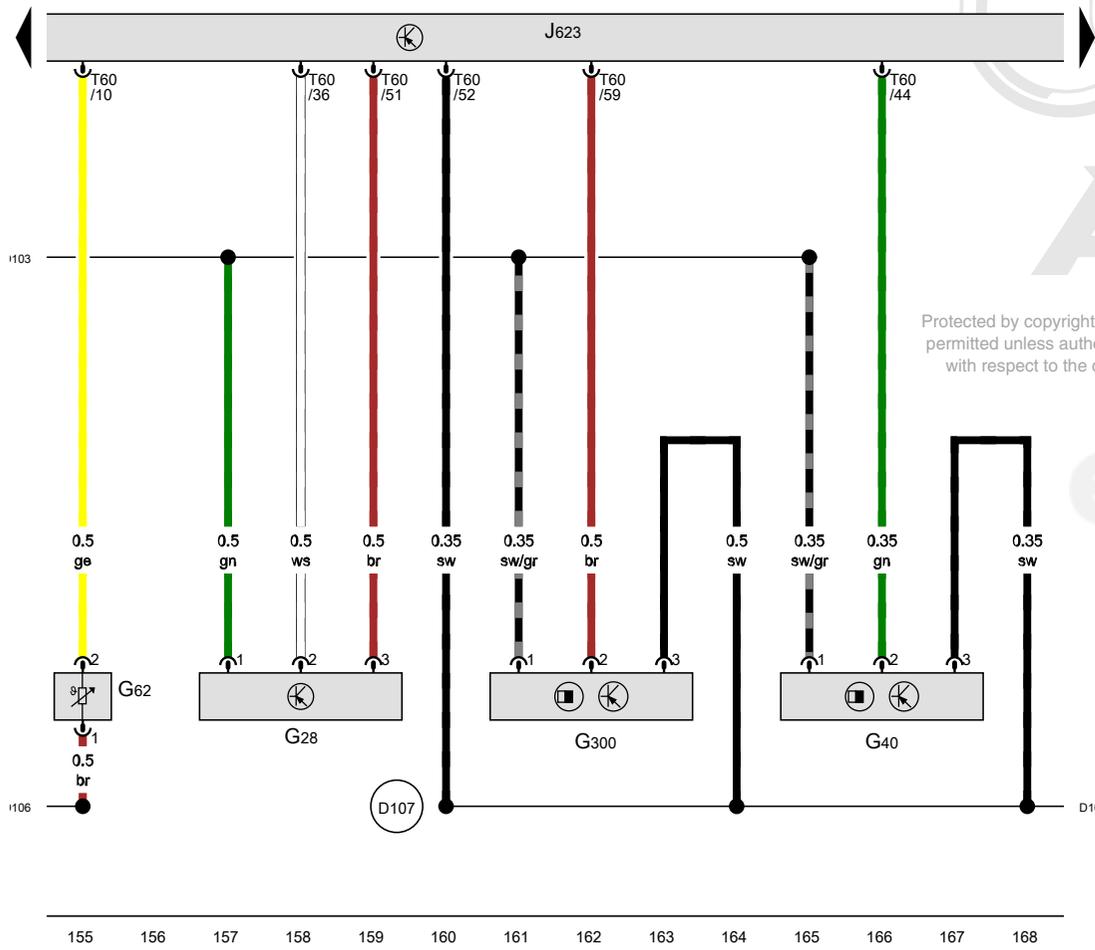
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

8.10-046120411

Camshaft position sensor, Engine coolant temperature sensor, Camshaft position sensor 3, Engine control module

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G62 Engine coolant temperature sensor
- G300 Camshaft position sensor 3
- J623 Engine control module
- T60 60-pin connector

- D103 Connection (3) (in engine compartment wiring harness)
- D106 Connection (4) (in engine compartment wiring harness)
- D107 Connection (5) (in engine compartment wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

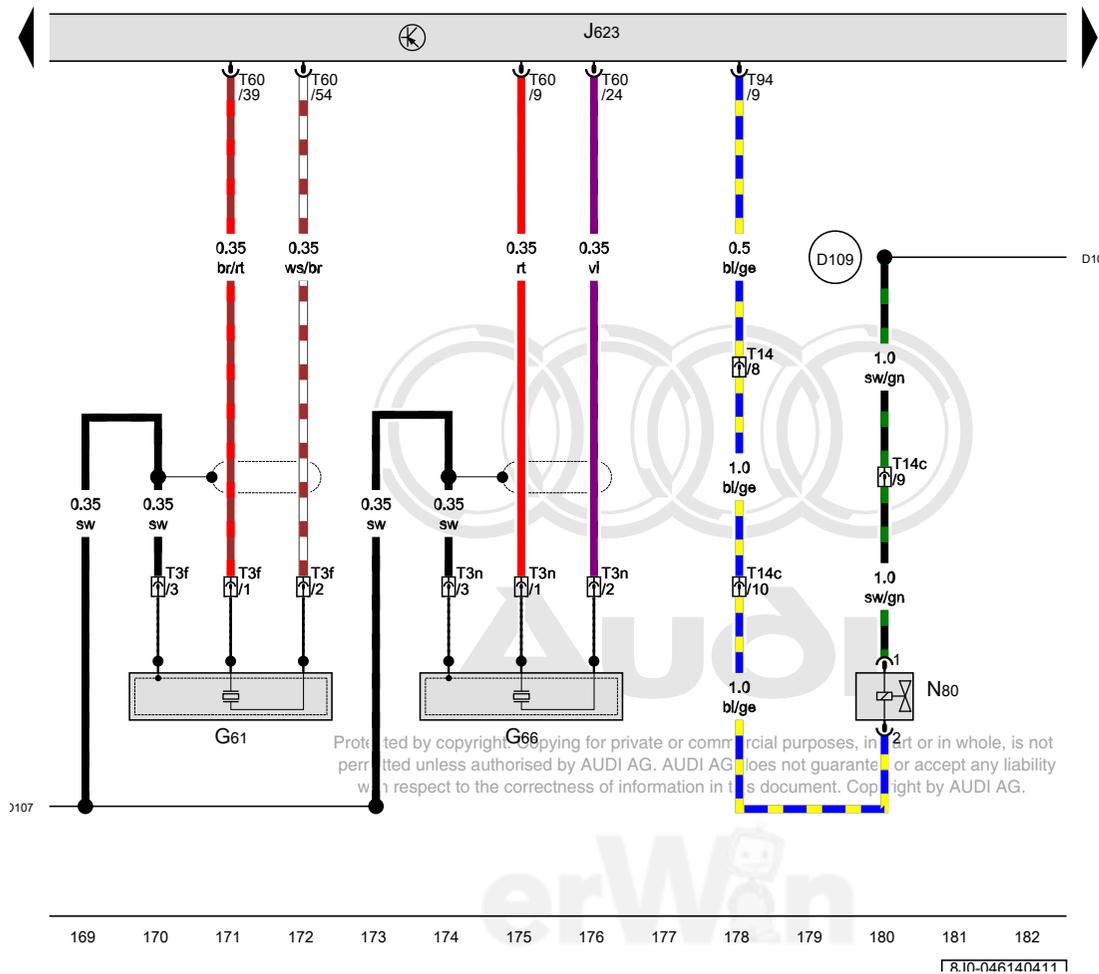
[8.10-046130411]

Engine control module, EVAP canister purge regulator valve 1

- G61 Knock sensor 1
- G66 Knock sensor 2
- J623 Engine control module
- N80 EVAP canister purge regulator valve 1
- T3f 3-pin connector
- T3n 3-pin connector, gray
- T14 14-pin connector, in the engine compartment, left front
- T14c 14-pin connector, black
- T60 60-pin connector
- T94 94-pin connector

D107 Connection (5) (in engine compartment wiring harness)

D109 Connection (7) (in engine compartment wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

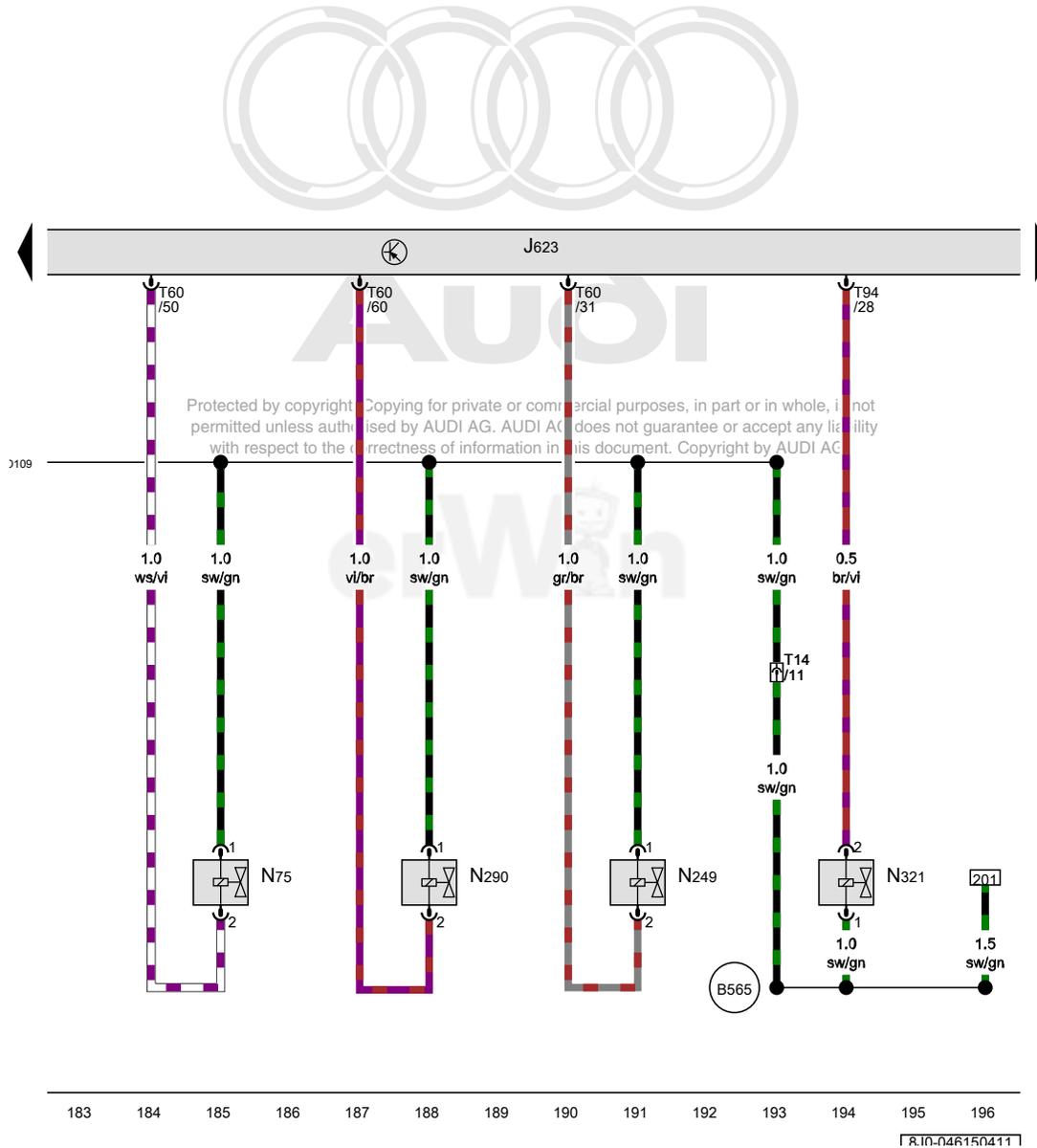
18.10.046140411

Engine control module, Wastegate bypass regulator valve, Turbocharger recirculation valve, Fuel metering valve, Exhaust door valve 1

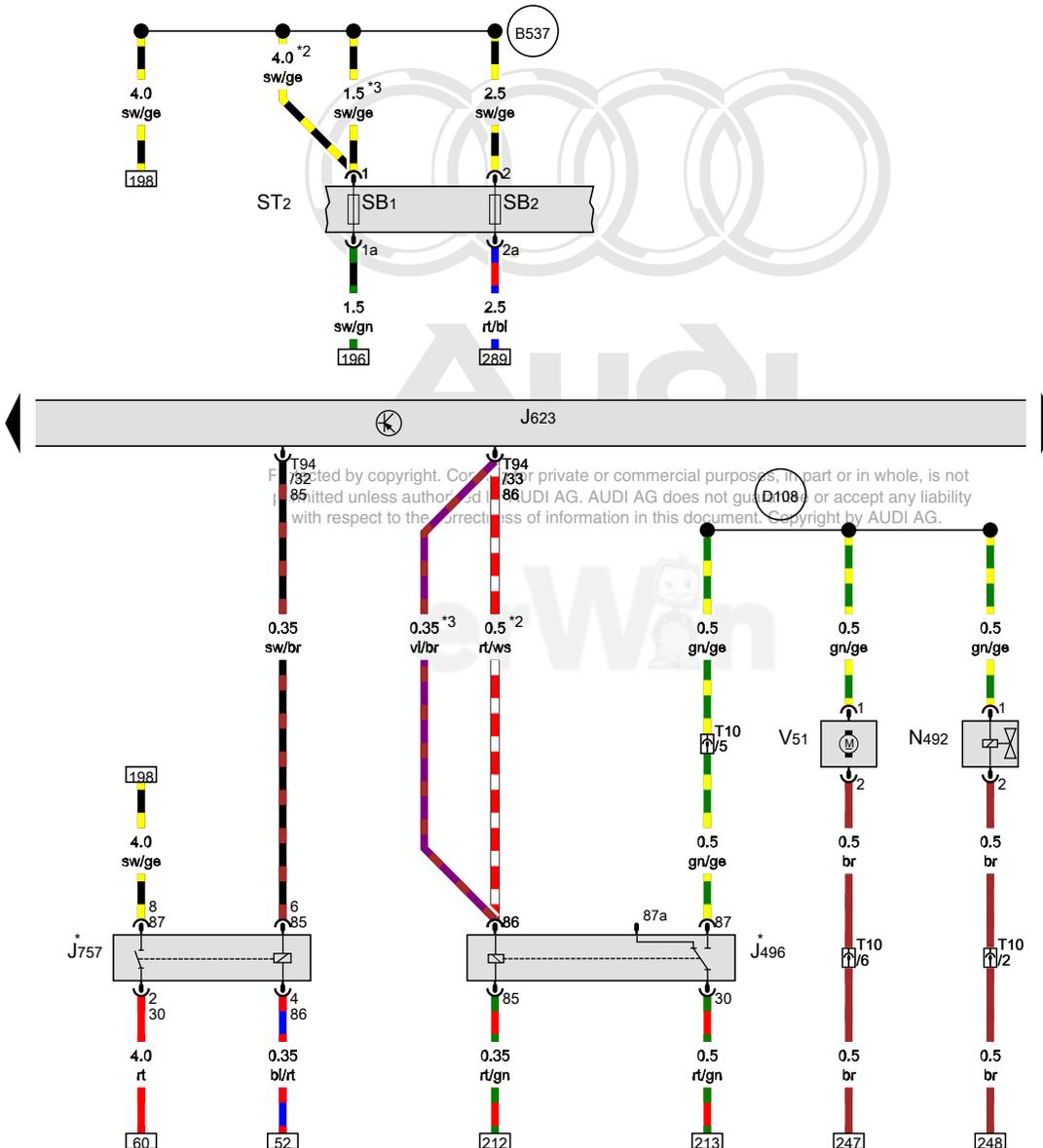
- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N249 Turbocharger recirculation valve
- N290 Fuel metering valve
- N321 Exhaust door valve 1
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- T94 94-pin connector

(B565) Connection 32 (in main wiring harness)

(D109) Connection (7) (in engine compartment wiring harness)



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



**Auxiliary engine coolant pump relay, Engine control module, Engine component power supply relay, Cooling circuit solenoid valve**

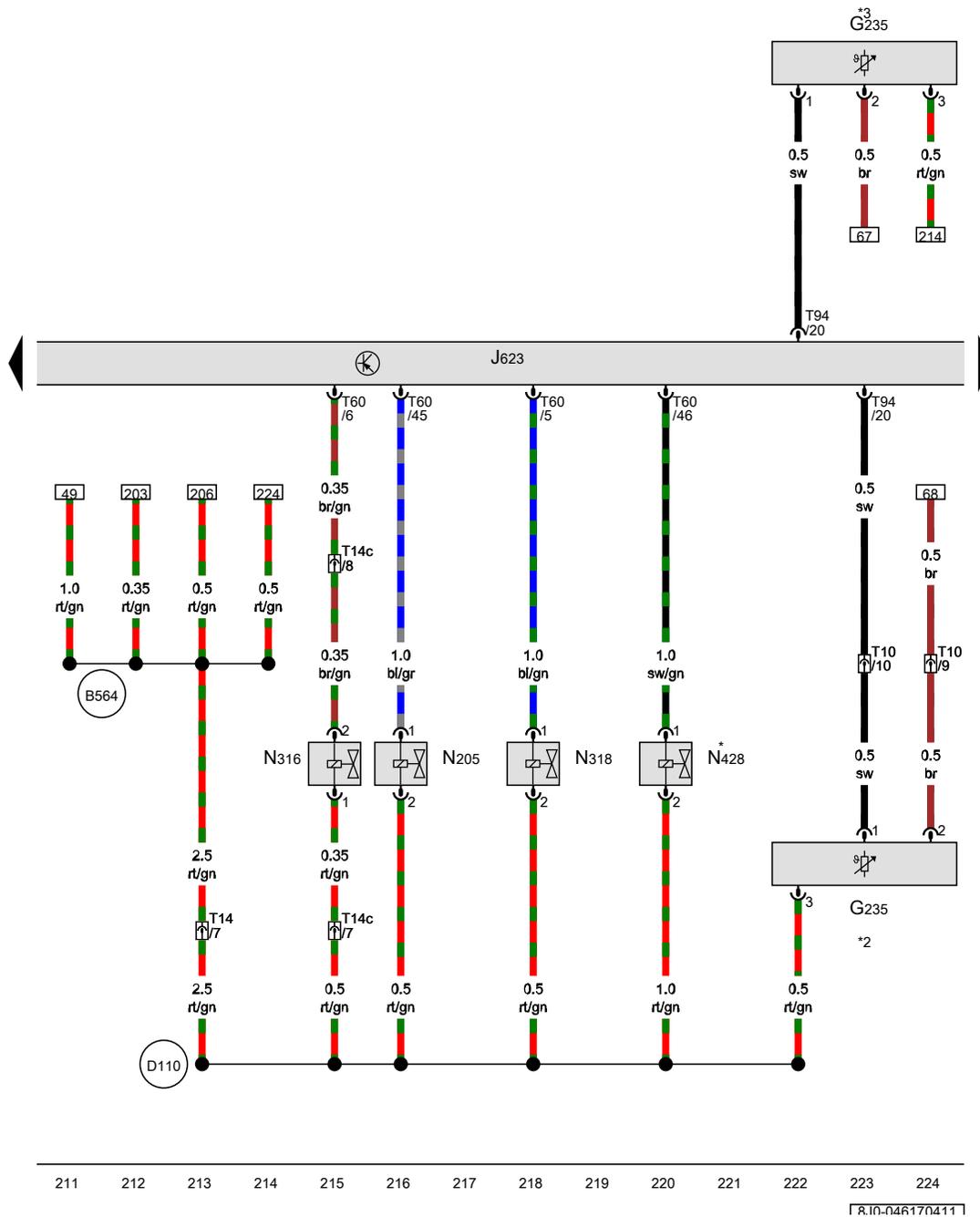
- J496 Auxiliary engine coolant pump relay
- J623 Engine control module
- J757 Engine component power supply relay
- N492 Cooling circuit solenoid valve
- SB1 Fuse 1 (on fuse panel B)
- ST2 Fuse panel 2
- SB2 Fuse 2 (on fuse panel B)
- T10 10-pin connector, in the engine compartment, left front
- T94 94-pin connector
- V51 After-run coolant pump

**B537** Connection 28 (in main wiring harness)

**D108** Connection (6) (in engine compartment wiring harness)

- \* Relay and fuse carrier in the engine compartment E-box
- \*2 Through May 2009
- \*3 From June 2009

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



Exhaust gas temperature sensor 1, Engine control module, Camshaft adjustment valve 1, Intake manifold runner control valve, Exhaust camshaft adjustment valve 1, Oil pressure regulation valve

- G235 Exhaust gas temperature sensor 1
- J623 Engine control module
- N205 Camshaft adjustment valve 1
- N316 Intake manifold runner control valve
- N318 Exhaust camshaft adjustment valve 1
- N428 Oil pressure regulation valve
- T10 10-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T14c 14-pin connector, black
- T60 60-pin connector
- T94 94-pin connector

B564 Connection 31 (in main wiring harness)

D110 Connection (8) (in engine compartment wiring harness)

\* Only for vehicles with DSG transmission

\*2 Through May 2009

\*3 From June 2009

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

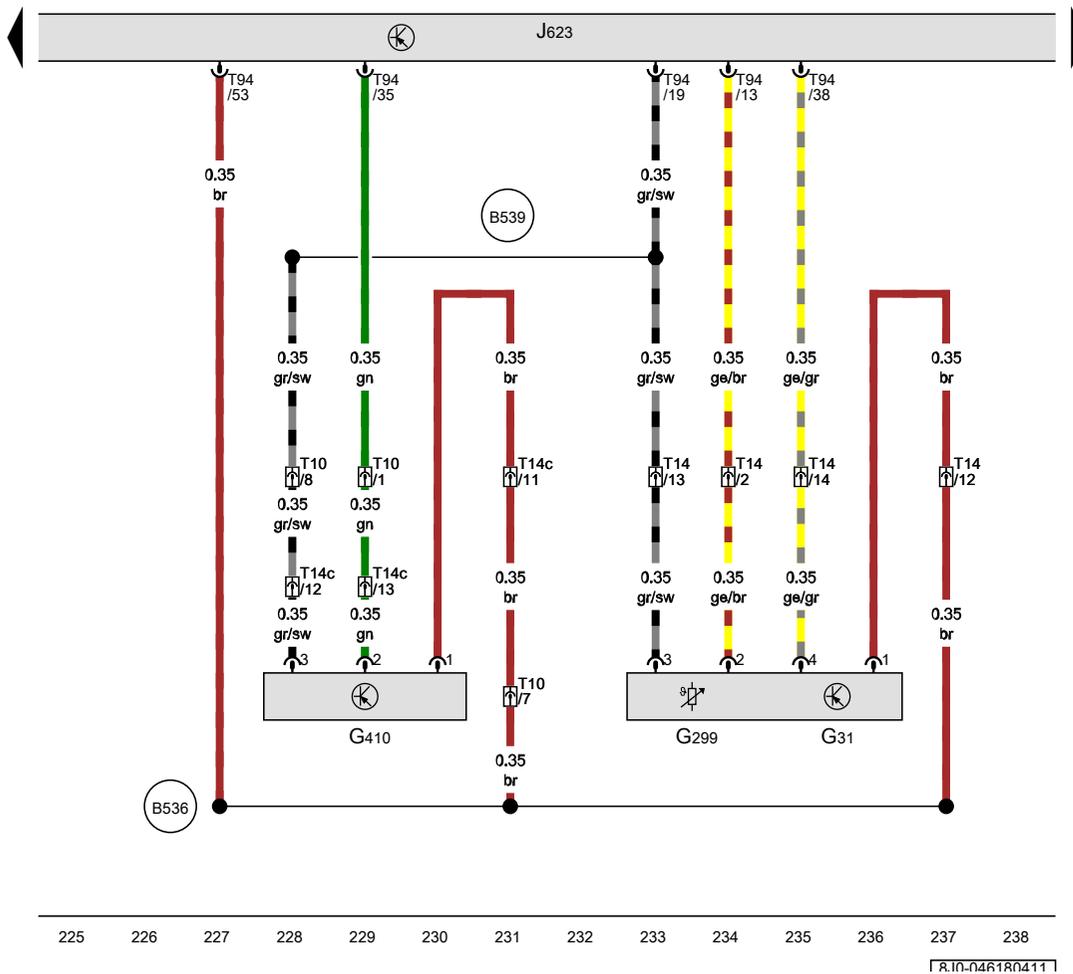


Engine control module

- G31 Charge air pressure sensor
- G299 Intake air temperature sensor 2
- G410 Low fuel pressure sensor
- J623 Engine control module
- T10 10-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T14c 14-pin connector, black
- T94 94-pin connector

B536 Connection 27 (in main wiring harness)

B539 Connection 30 (in main wiring harness)

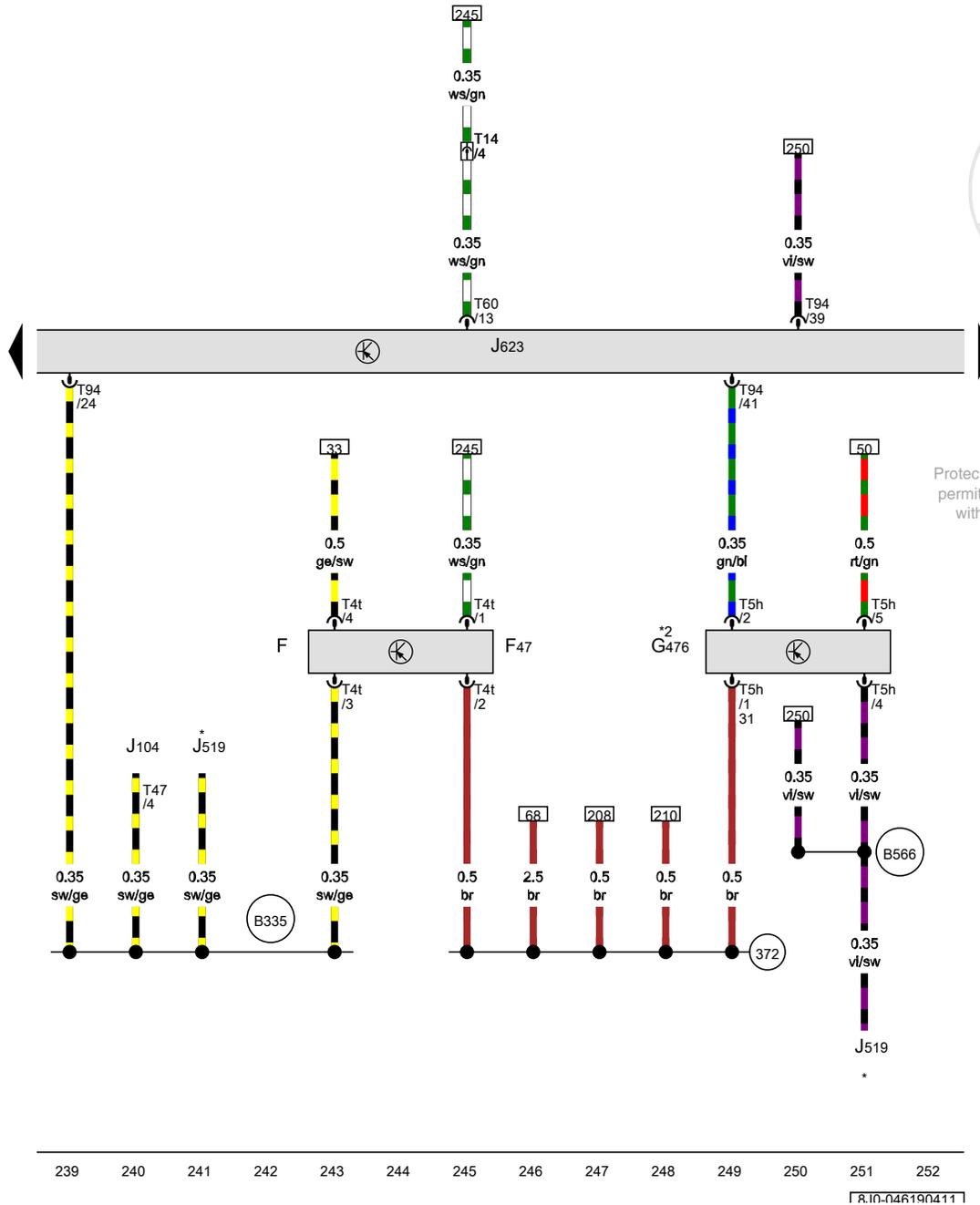


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Brake lamp switch, Clutch position sensor, Engine control module



- F Brake lamp switch
- F47 Brake pedal switch
- G476 Clutch position sensor
- J104 ABS control module
- J519 Vehicle electrical system control module
- J623 Engine control module
- T4t 4-pin connector
- T5h 5-pin connector
- T14 14-pin connector, in the engine compartment, left front
- T47 47-pin connector
- T60 60-pin connector
- T94 94-pin connector

372 Ground connection 7 (in main wiring harness)

B335 Connection 1 (54) (in main wiring harness)

B566 Connection 33 (in main wiring harness)

Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Refer to applicable standard equipment wiring diagram

\*2 Only for vehicles with a manual transmission

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

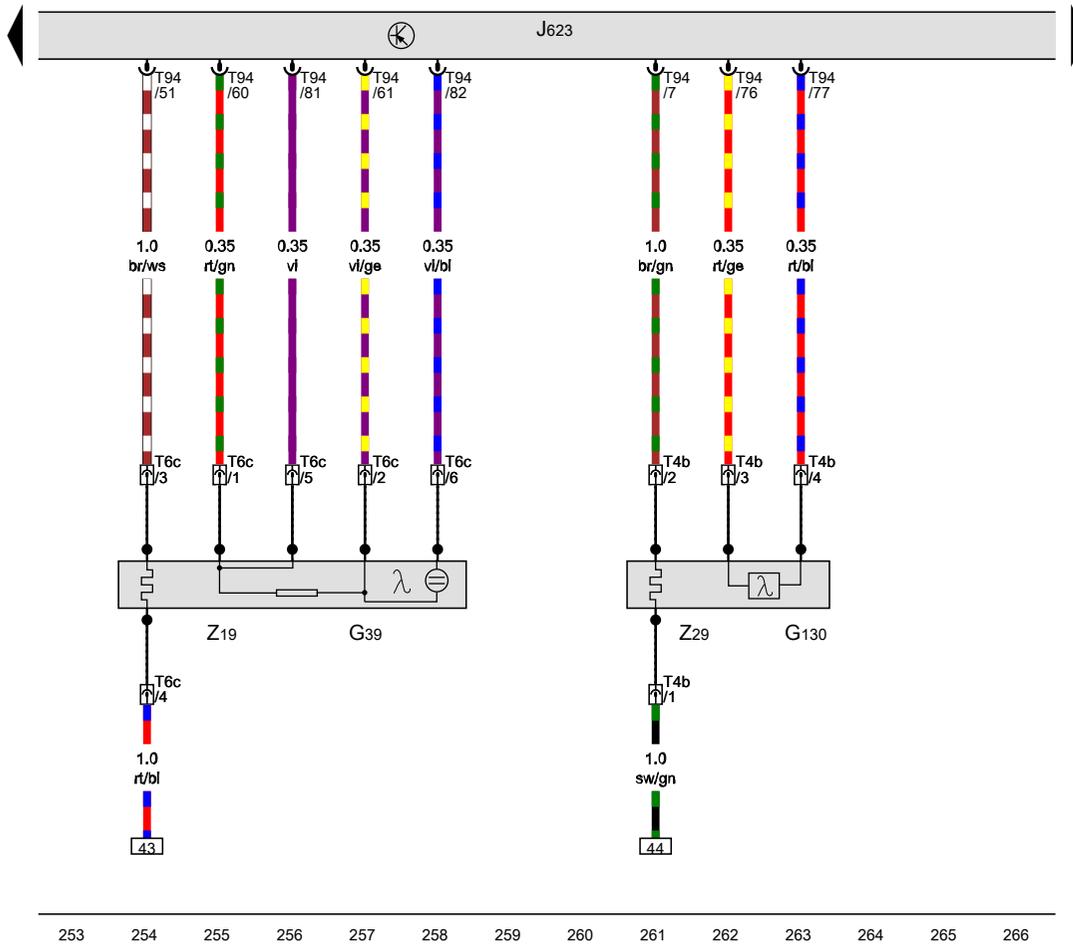
239 240 241 242 243 244 245 246 247 248 249 250 251 252

[8,10-046190411]

Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- T4b 4-pin connector, black
- T6c 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

[8,10-046200411]

Sport program button, Engine control module, Automatic transmission sport mode indicator lamp

- E541 Sport program button
- J519 Vehicle electrical system control module
- J623 Engine control module
- K91 Automatic transmission sport mode indicator lamp
- L156 Switch illumination bulb
- T10 10-pin connector, in the engine compartment, left front
- T16b 16-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V144 Leak detection pump

44 Ground connection on A-pillar, lower left

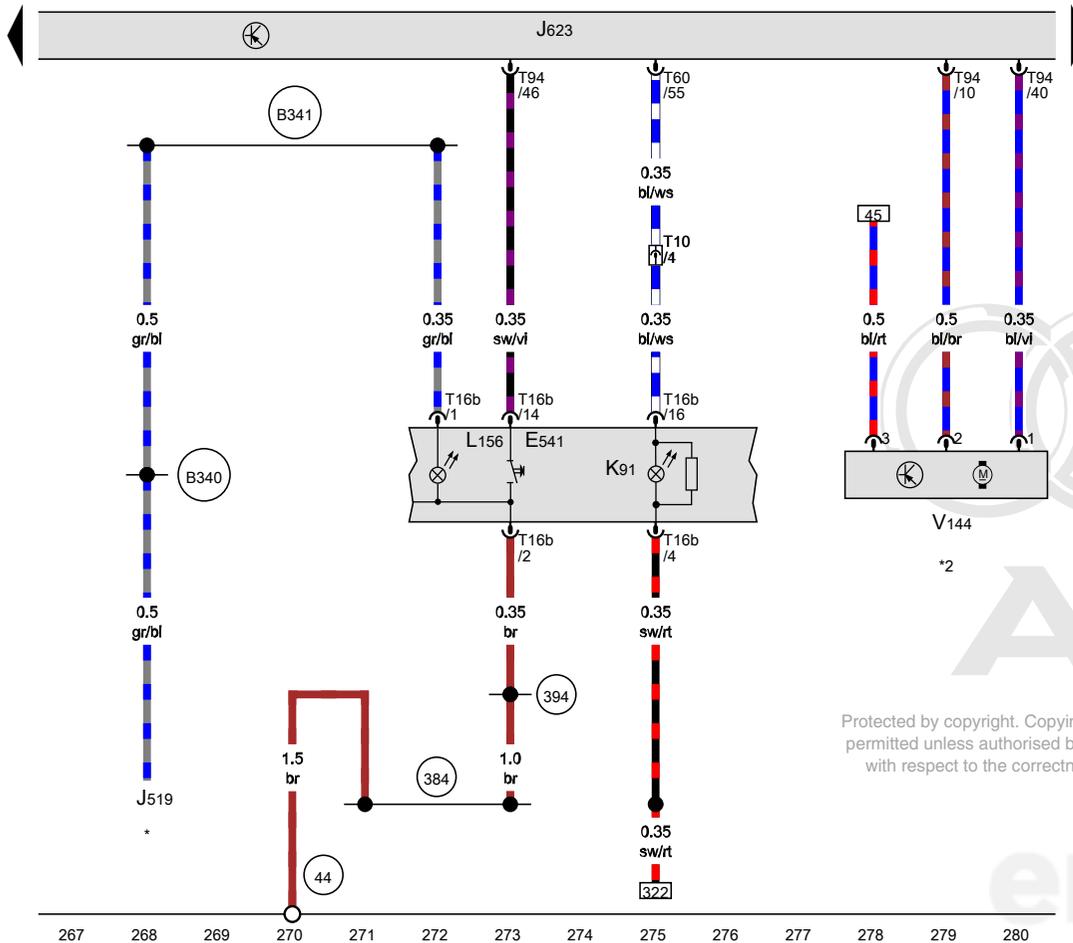
384 Ground connection 19 (in main wiring harness)

394 Ground connection 29 (in main wiring harness)

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

B341 Connection 2 (58d) (in main wiring harness)

\* Refer to applicable standard equipment wiring diagram  
 \*2 Only for vehicles with a fuel system diagnostic pump



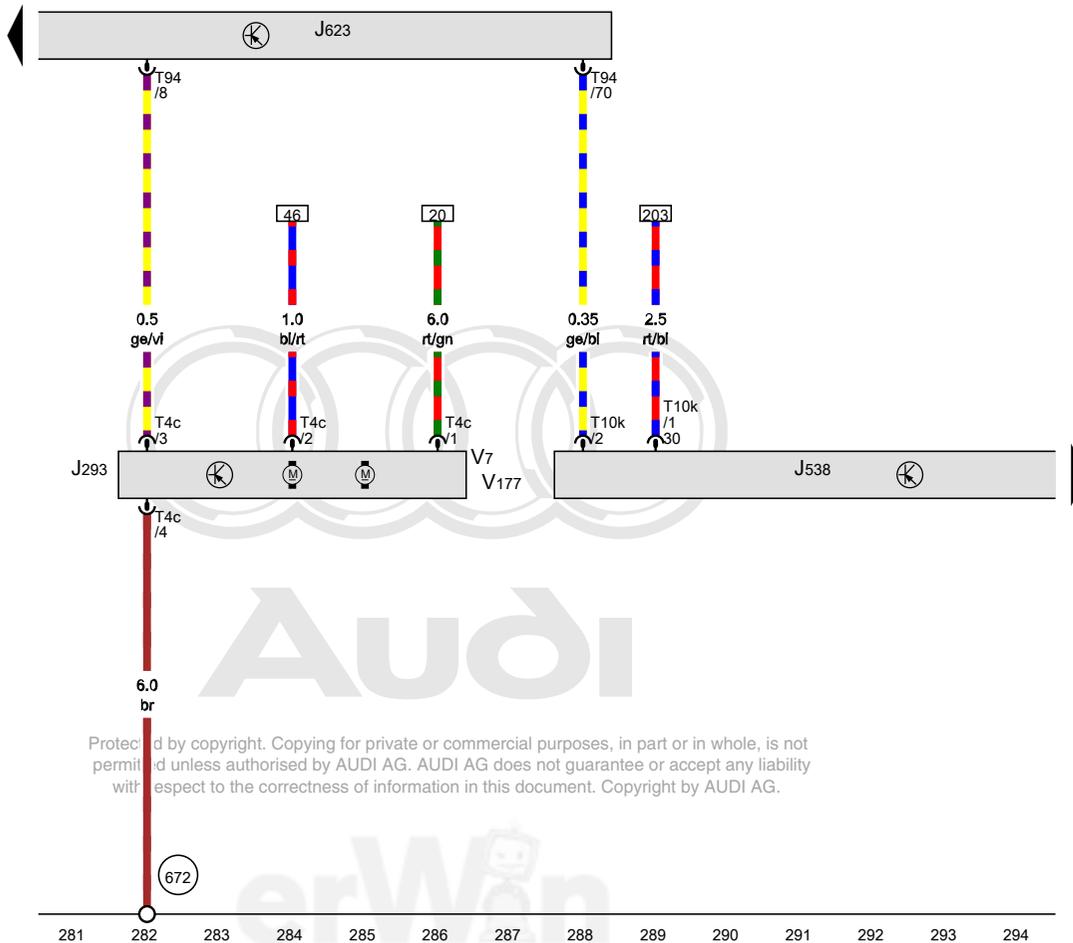
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

[8,10-046210411]

Coolant fan control module, Fuel pump control module, Engine control module, Coolant fan

- J293 Coolant fan control module
- J538 Fuel pump control module
- J623 Engine control module
- T4c 4-pin connector
- T10k 10-pin connector
- T94 94-pin connector
- V7 Coolant fan
- V177 Coolant fan 2
- 672 Ground connection 2 on left front longitudinal member



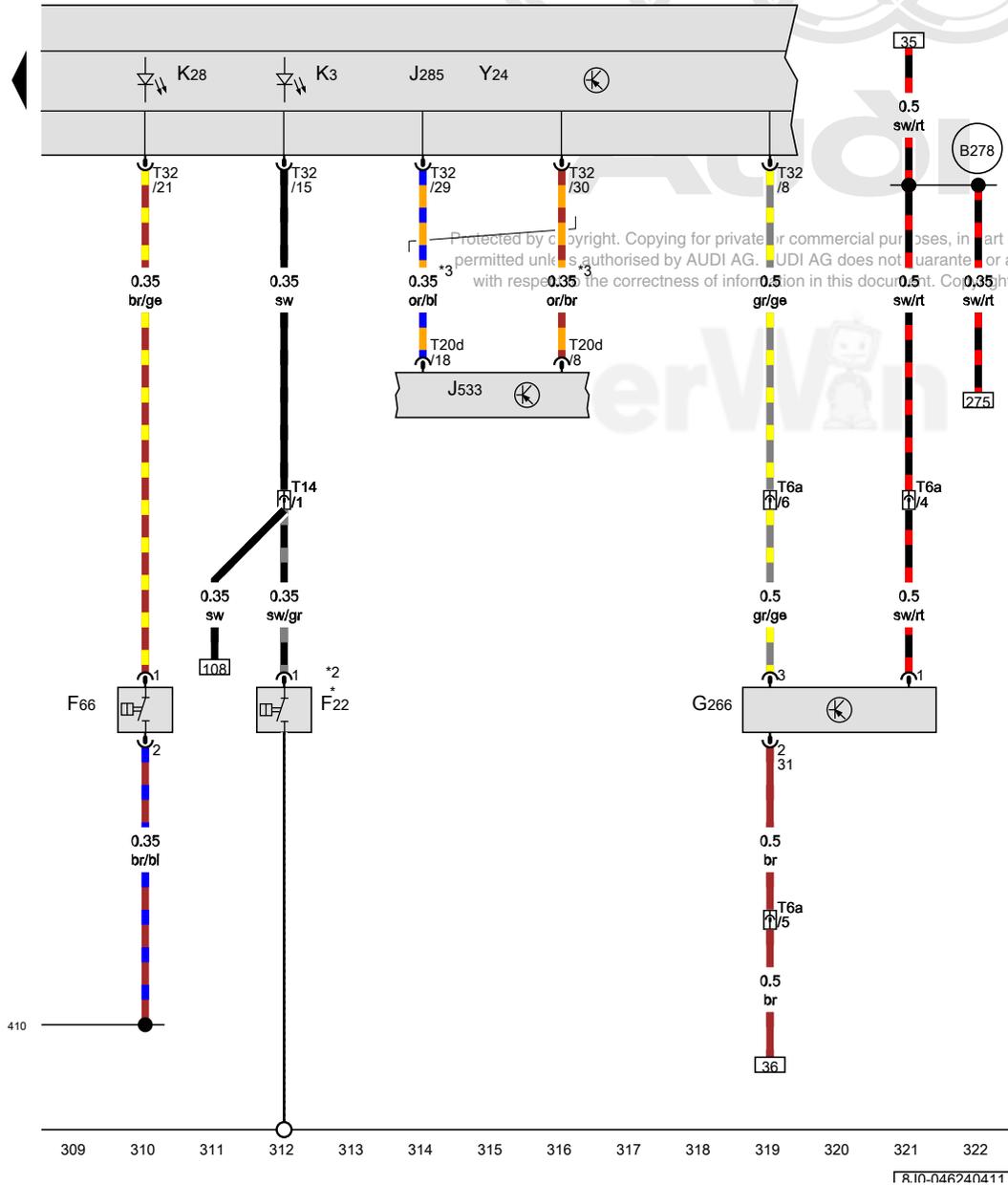
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

281 282 283 284 285 286 287 288 289 290 291 292 293 294

[8,10-046220411]





Oil pressure switch, Engine coolant level warning switch, Oil level thermal sensor, Instrument cluster control module

- F22 Oil pressure switch
- F66 Engine coolant level warning switch
- G266 Oil level thermal sensor
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K3 Oil pressure indicator lamp
- K28 Engine coolant level/temperature indicator lamp
- T6a 6-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T20d 20-pin connector
- T32 32-pin connector
- Y24 Display unit in instrument cluster

410 Sensor ground connection 1 (in main wiring harness)

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

- \* 2,6 bar
- \*2 From June 2010
- \*3 Data bus wire (CAN bus)

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

18.10.046240411

## Standard Equipment

from June 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

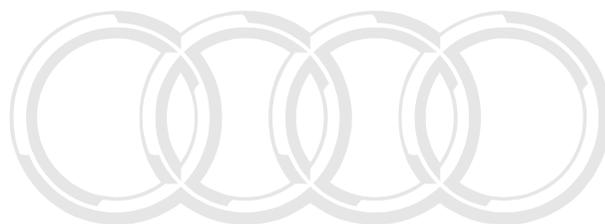
◆ Ground Connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

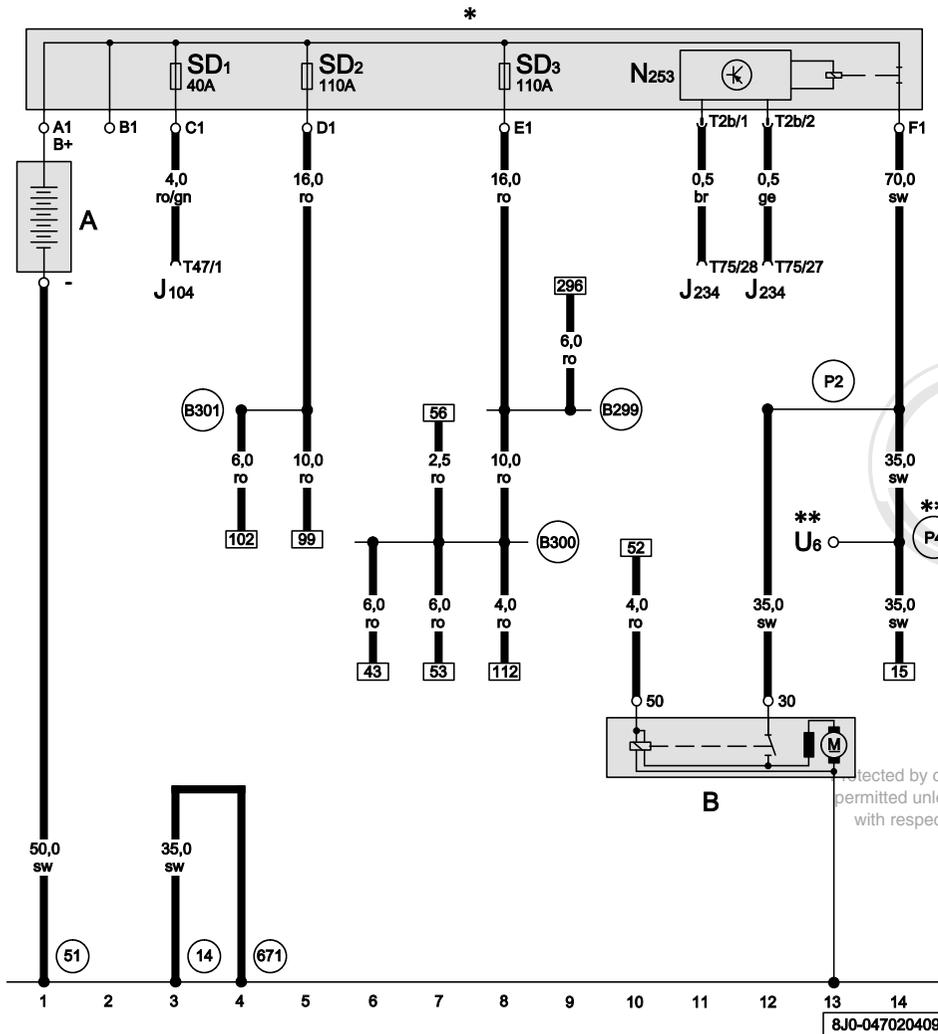


Battery, Starter, Battery Interrupt Igniter, Main Fuse Panel, in right rear luggage compartment on battery

- A Battery
- B Starter
- J104 ABS Control Module
- J234 Airbag Control Module
- N253 Battery Interrupt Igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double Connector, purple, on battery interrupt igniter
- T47 47-Pin Connector, on ABS control module
- T75 75-Pin Connector, yellow, on airbag control module
- U6 Battery Jump Start Terminal

- 14 Ground Connection on transmission
- 51 Ground Connection (in luggage compartment, right)
- 671 Ground Connection 1 (on left front long member)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B301 Plus Connection 5 (30) (in main wiring harness)
- P2 Plus Connection (30) (in battery wiring harness)
- P4 Plus Connection 2 (30) (in battery wiring harness)

\* Main fuse panel, in right rear luggage compartment on battery  
 \*\* Models with battery jump start terminal

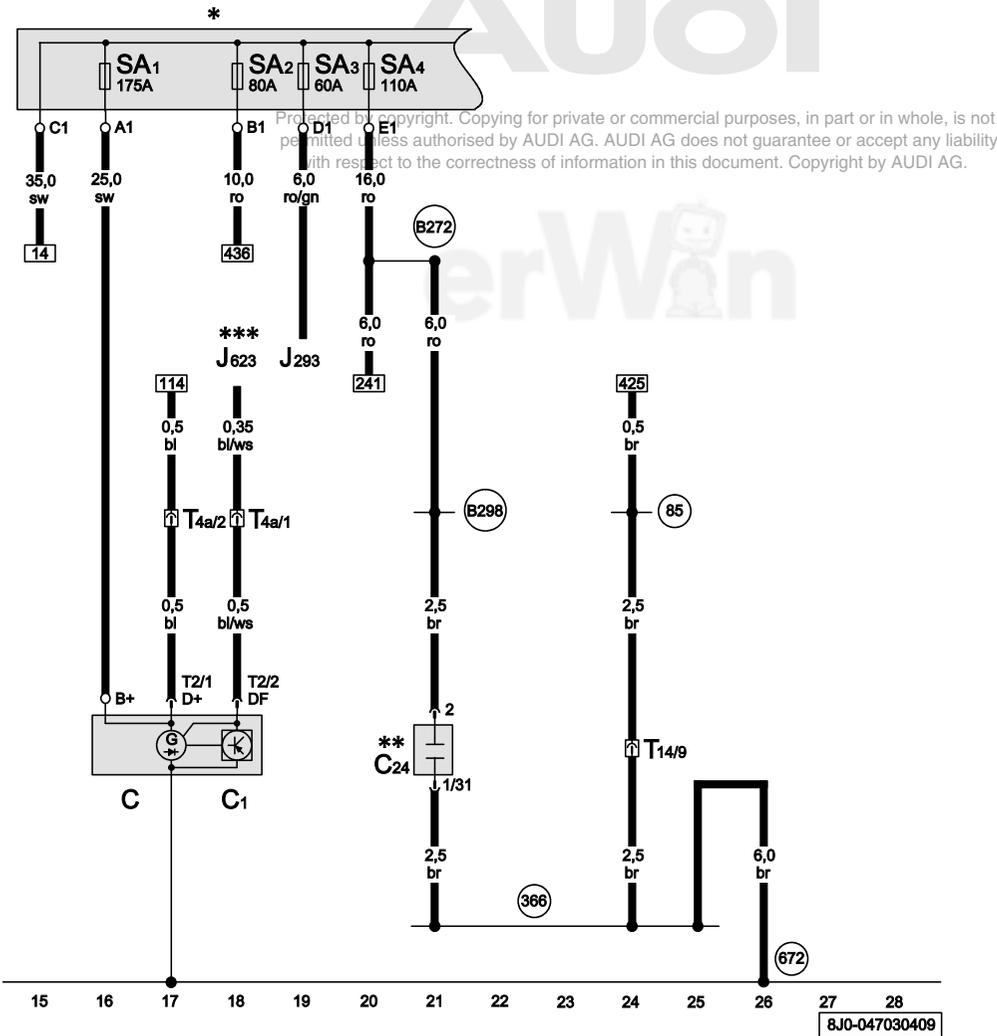


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Generator (GEN), Suppressor, Main Fuse Panel Electronics Box, in engine compartment

- C Generator (GEN)
- C1 Voltage Regulator (VR)
- C24 Suppressor
- J293 Coolant Fan Control (FC) Control Module
- J623 Engine Control Module (ECM)
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- T2 Double Connector, purple, on generator
- T4a 4-Pin Connector, black, in engine compartment, front left
- T14 14-Pin Connector, black, in left front engine compartment
- 85 Ground Connection 1 (in engine compartment wiring harness)
- 366 Ground Connection 1 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- B272 Plus Connection (30) (in main wiring harness)
- B298 Plus Connection 2 (30) (in main wiring harness)
- \* Main fuse panel electronics box, in front left engine compartment
- \*\* Relay and fuse carrier in electronics box engine compartment
- \*\*\* => Wiring Diagram Engine

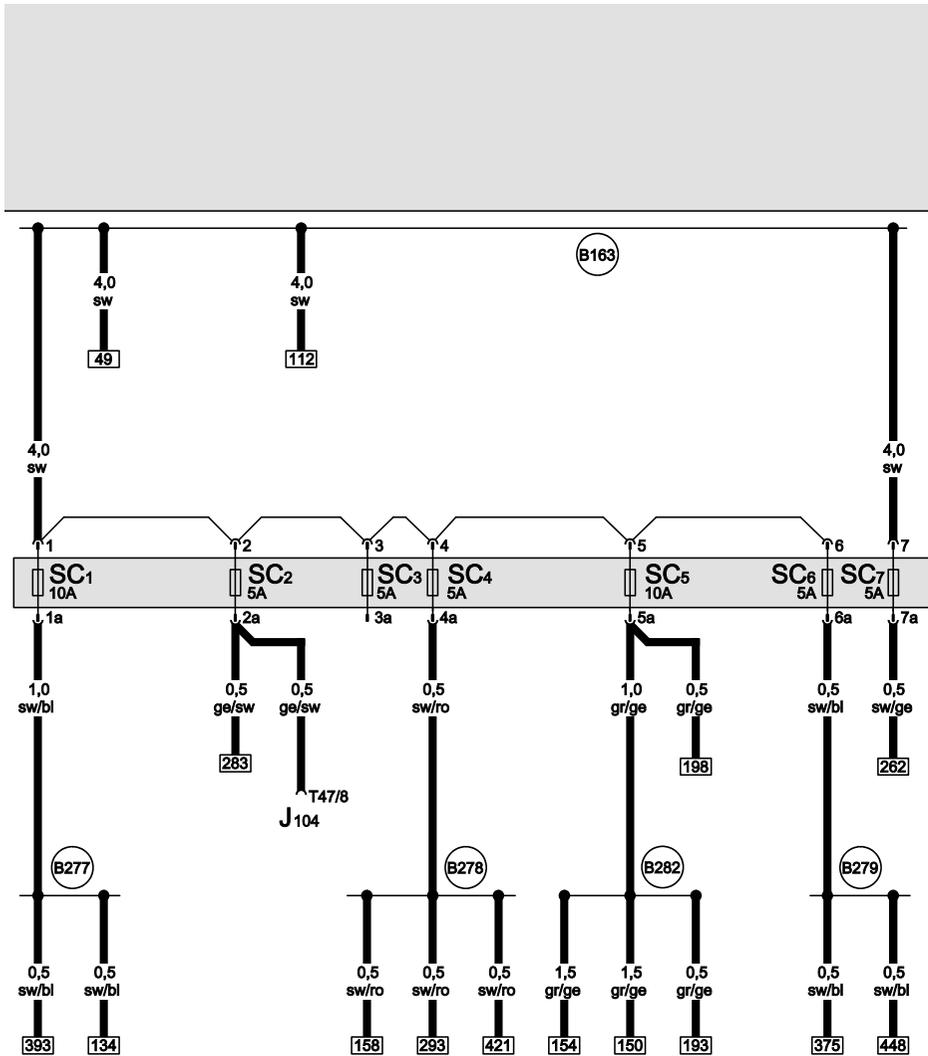


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Fuses

- J104 ABS Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T47 47-Pin Connector, on ABS control module

- B163 Plus Connection 1 (15) (in interior wiring harness)
- B277 Plus Connection 1 (15a) (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B279 Plus Connection 3 (15a) (in main wiring harness)
- B282 Plus Connection 6 (15a) (in main wiring harness)

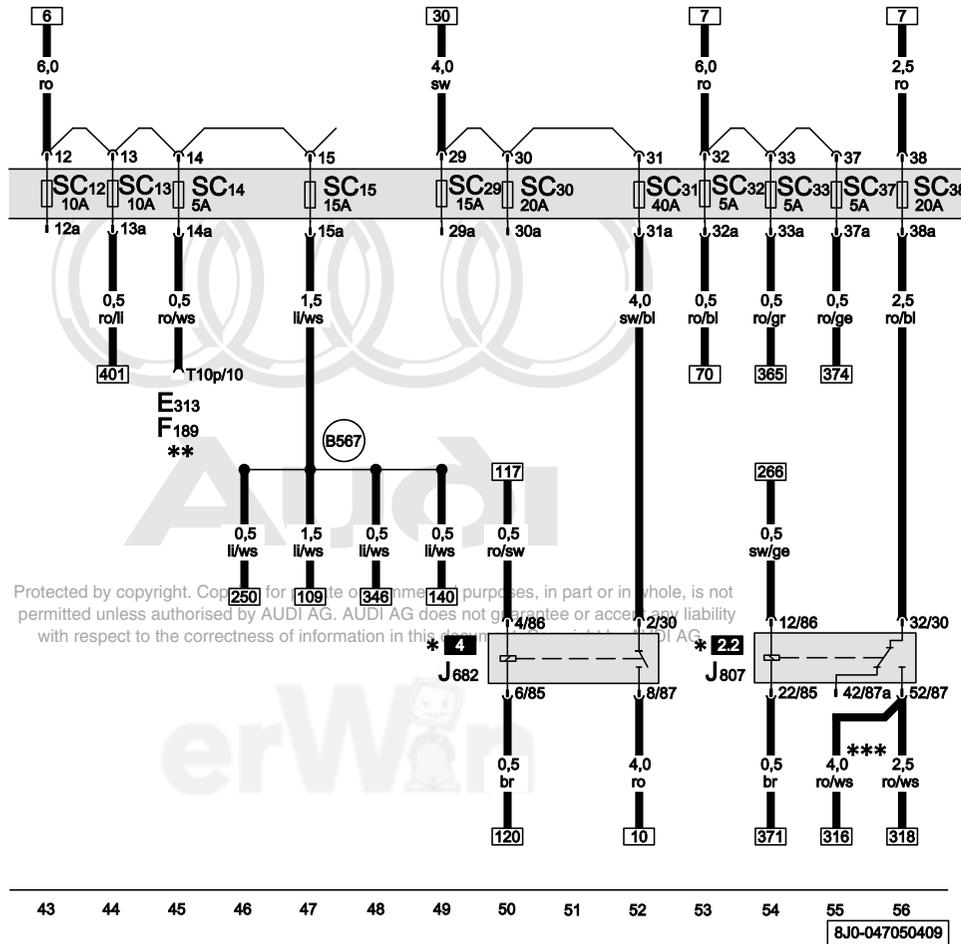
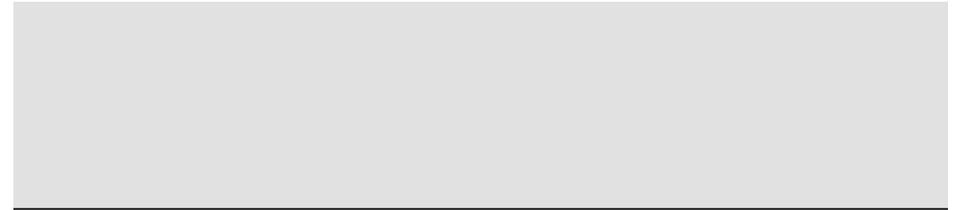


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Power Supply Relay (terminal 50), Sockets Relay, Fuses

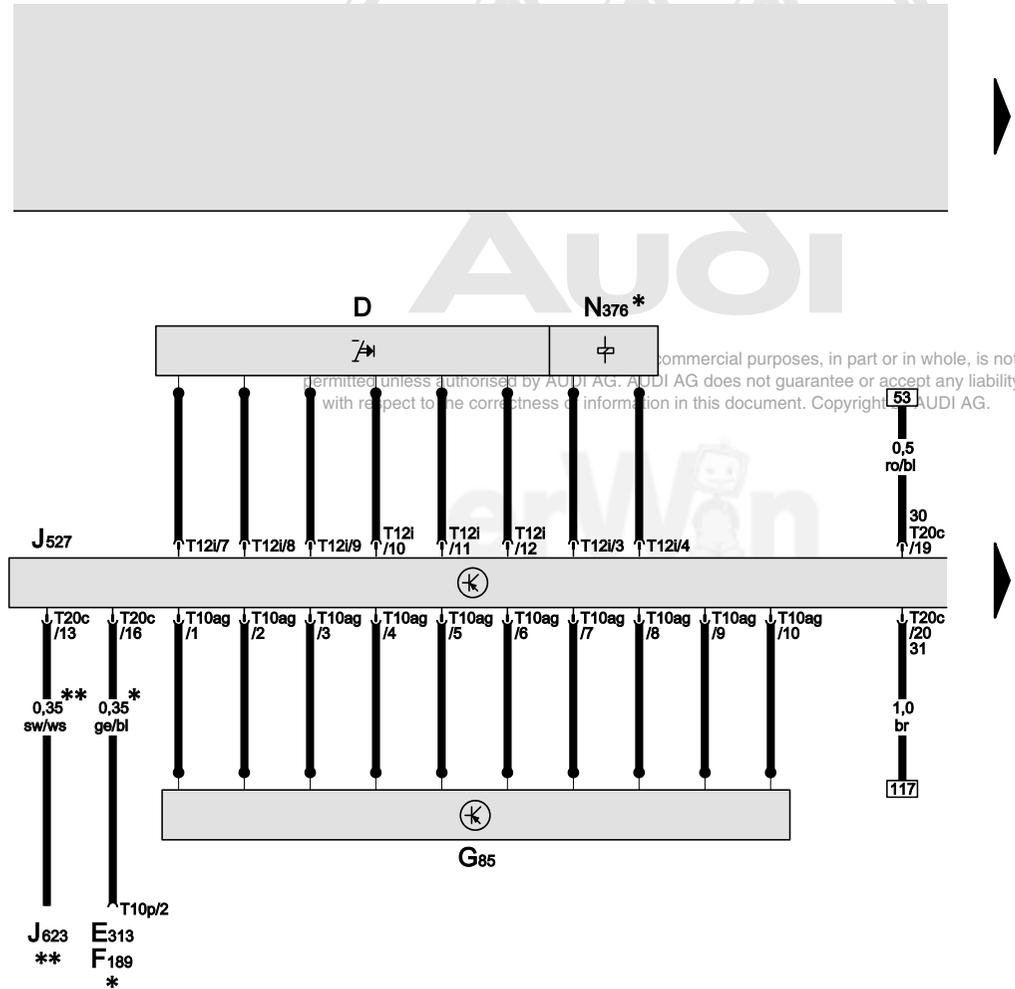
- E313 Selector Lever
- F189 Tiptronic Switch
- J682 Power Supply Relay (terminal 50)
- J807 Sockets Relay
- SC12 Fuse 12 (on fuse panel C)
- SC13 Fuse 13 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- SC15 Fuse 15 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC30 Fuse 30 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- SC32 Fuse 32 (on fuse panel C)
- SC33 Fuse 33 (on fuse panel C)
- SC37 Fuse 37 (on fuse panel C)
- SC38 Fuse 38 (on fuse panel C)
- T10p 10-Pin Connector, on Tiptronic switch
- (B567) Connection 34 (in main wiring harness)
- \* Relay panel under instrument panel, left
- \*\* Models with direct shift gearbox 02E
- \*\*\* Only USA



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

Steering Column Electronic Systems Control Module, Ignition/Starter Switch, Steering Angle Sensor, Ignition Switch Key Lock Solenoid

- D Ignition/Starter Switch
- E313 Selector Lever
- F189 Tiptronic Switch
- G85 Steering Angle Sensor
- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- N376 Ignition Switch Key Lock Solenoid
- T10p 10-Pin Connector, on Tiptronic switch
- T10ag 10-Pin Connector, on steering column electronic systems control module
- T12i 12-Pin Connector, on steering column electronic systems control module
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- \* Models with direct shift gearbox 02E
- \*\* => Wiring Diagram Engine

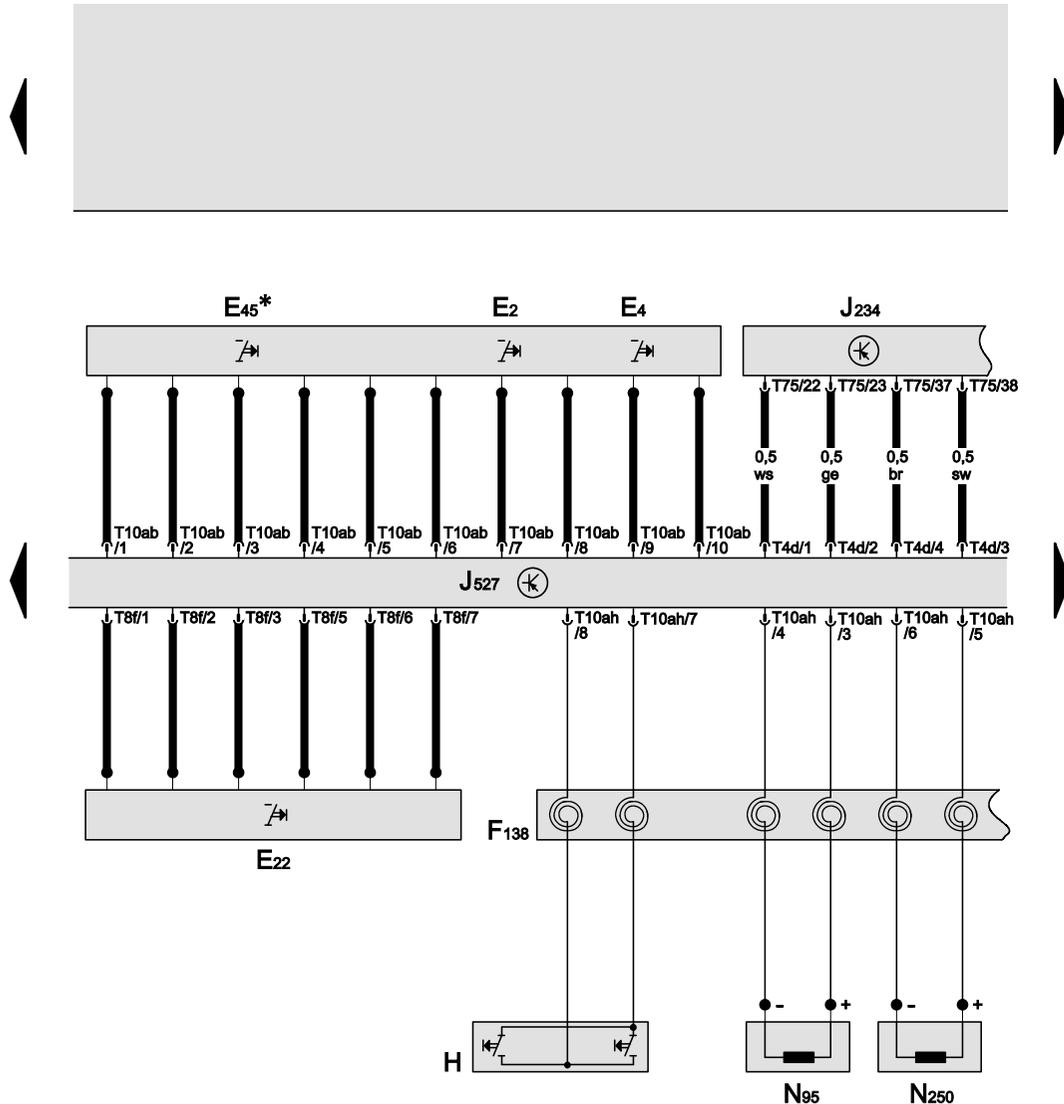


permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © AUDI AG.

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

Steering Column Electronic Systems Control Module, Turn Signal Switch, Headlamp Dimmer/Flasher Switch, Windshield Wiper/Washer Switch, Cruise Control Switch, Signal Horn Activation

- E2 Turn Signal Switch
- E4 Headlamp Dimmer/Flasher Switch
- E22 Windshield Wiper Intermittent Switch
- E45 Cruise Control Switch
- F138 Airbag Spiral Spring/Return Spring With Slip Ring
- H Signal Horn Activation
- J234 Airbag Control Module
- J527 Steering Column Electronic Systems Control Module
- N95 Driver's Airbag Igniter
- N250 Driver's Airbag Igniter 2
- T4d 4-Pin Connector, yellow, on steering column electronic systems control module
- T8f 8-Pin Connector, on steering column electronic systems control module
- T10ab 10-Pin Connector, on steering column electronic systems control module
- T10ah 10-Pin Connector, on steering column electronic systems control module
- T75 75-Pin Connector, yellow, on airbag control module
- \* Models with cruise control system



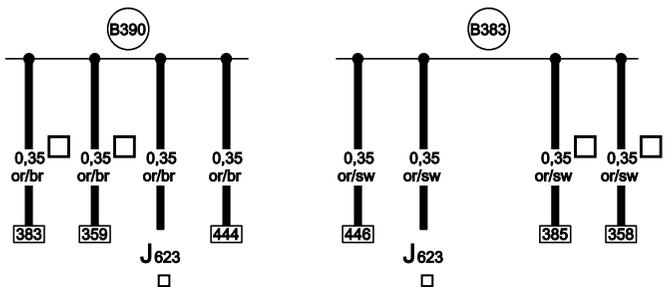
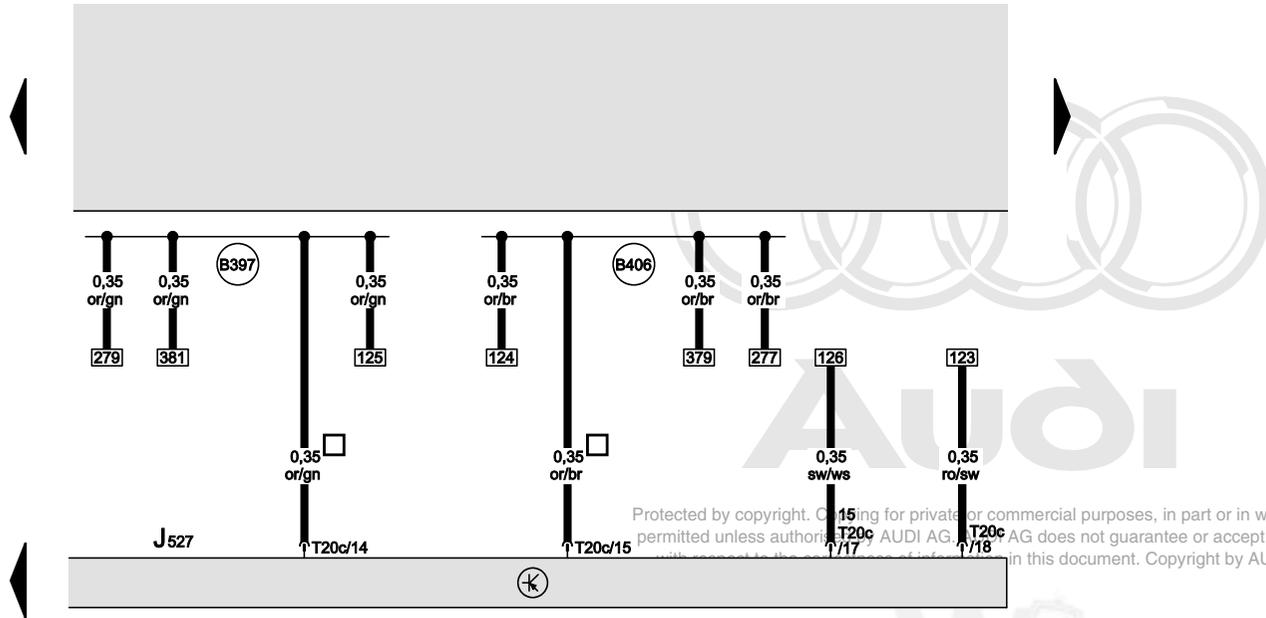
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Steering Column Electronic Systems Control Module, CAN-Bus Wiring

- J527 Steering Column Electronic Systems Control Module
- J623 Engine Control Module (ECM)
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module

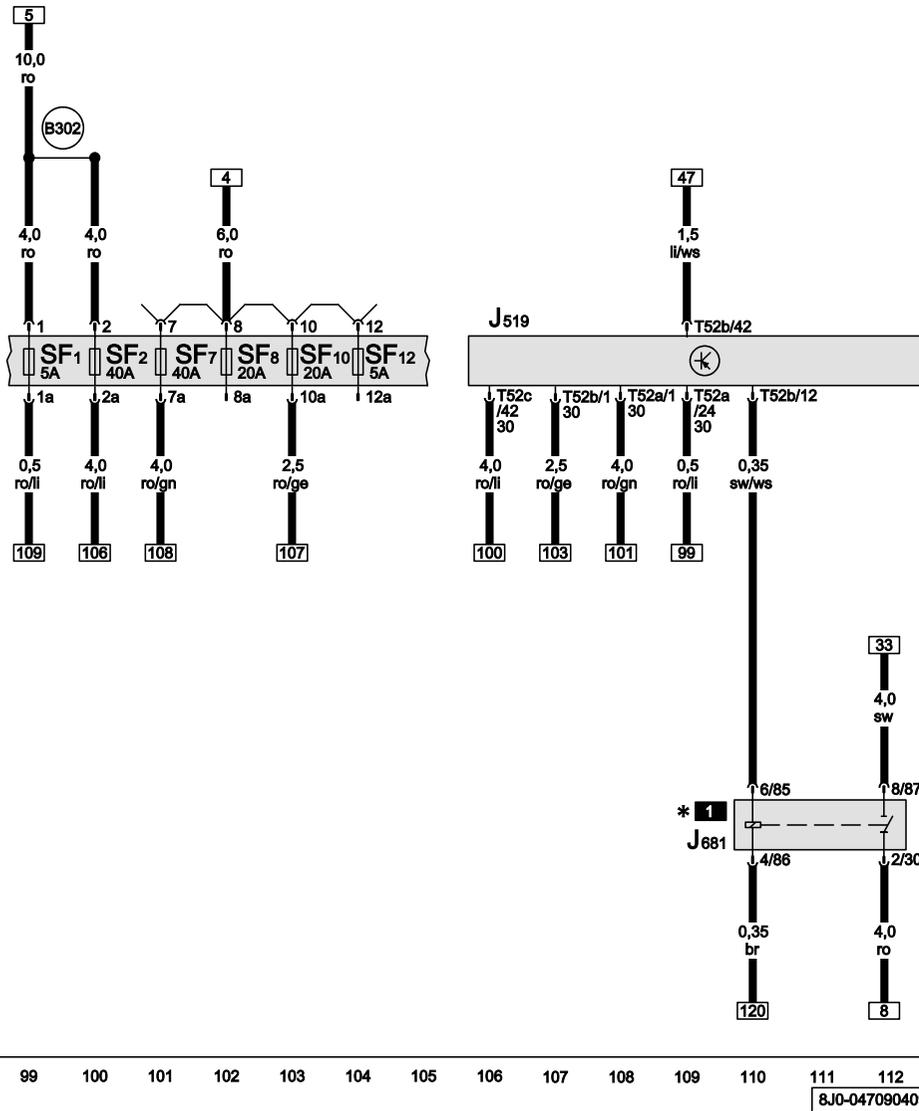
- (B383) Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- (B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- (B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- (B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* ⇒ Wiring Diagram Engine



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

Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- B302 Plus Connection 6 (30) (in main wiring harness)
- \* Relay Carrier on Vehicle Electrical System Control Module



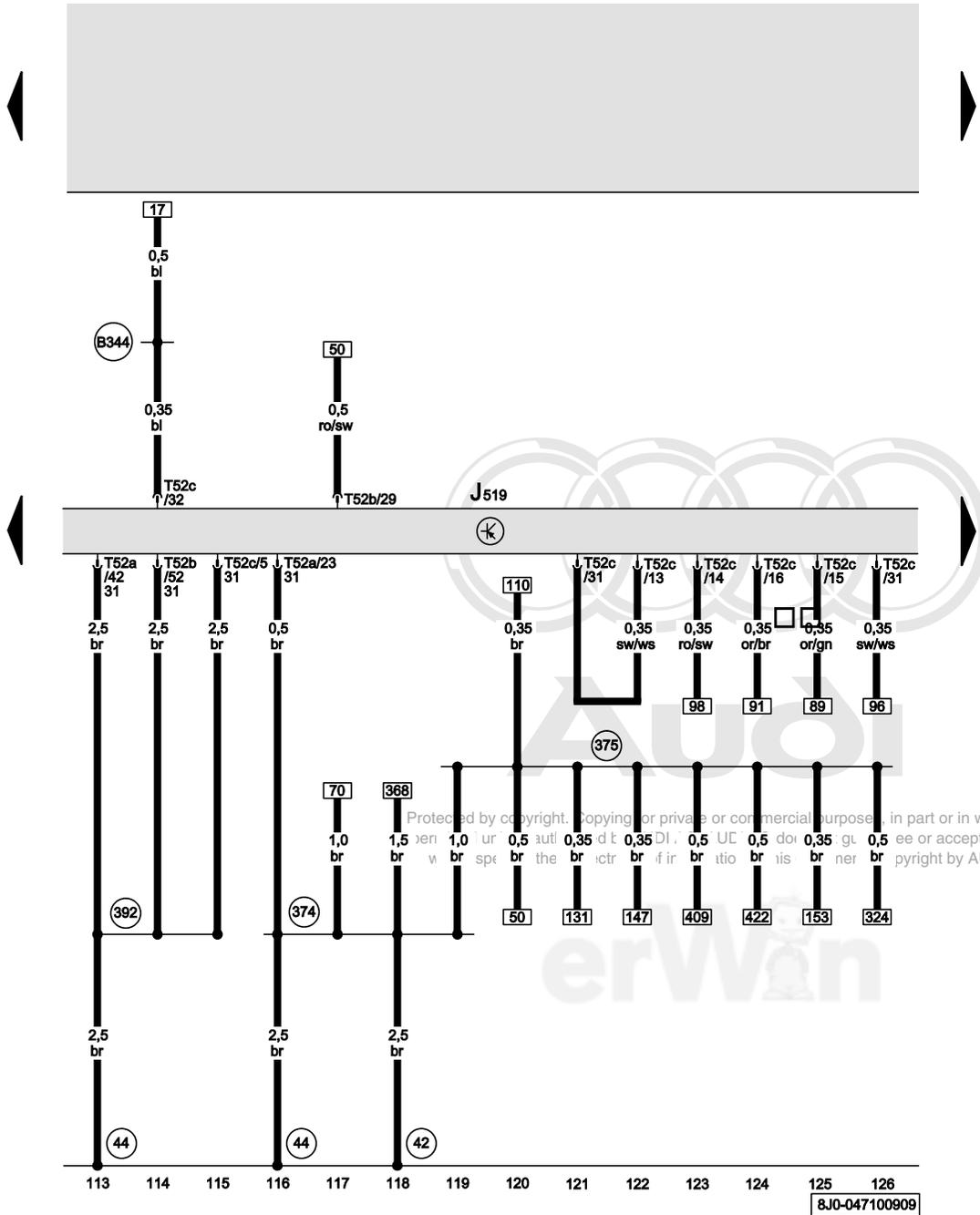
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module

- J519 Vehicle Electrical System Control Module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- 42 Ground Connection (beside steering column)
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)
- B344 Connection 1 (61) (in main wiring harness)
- CAN-Bus (data wire)

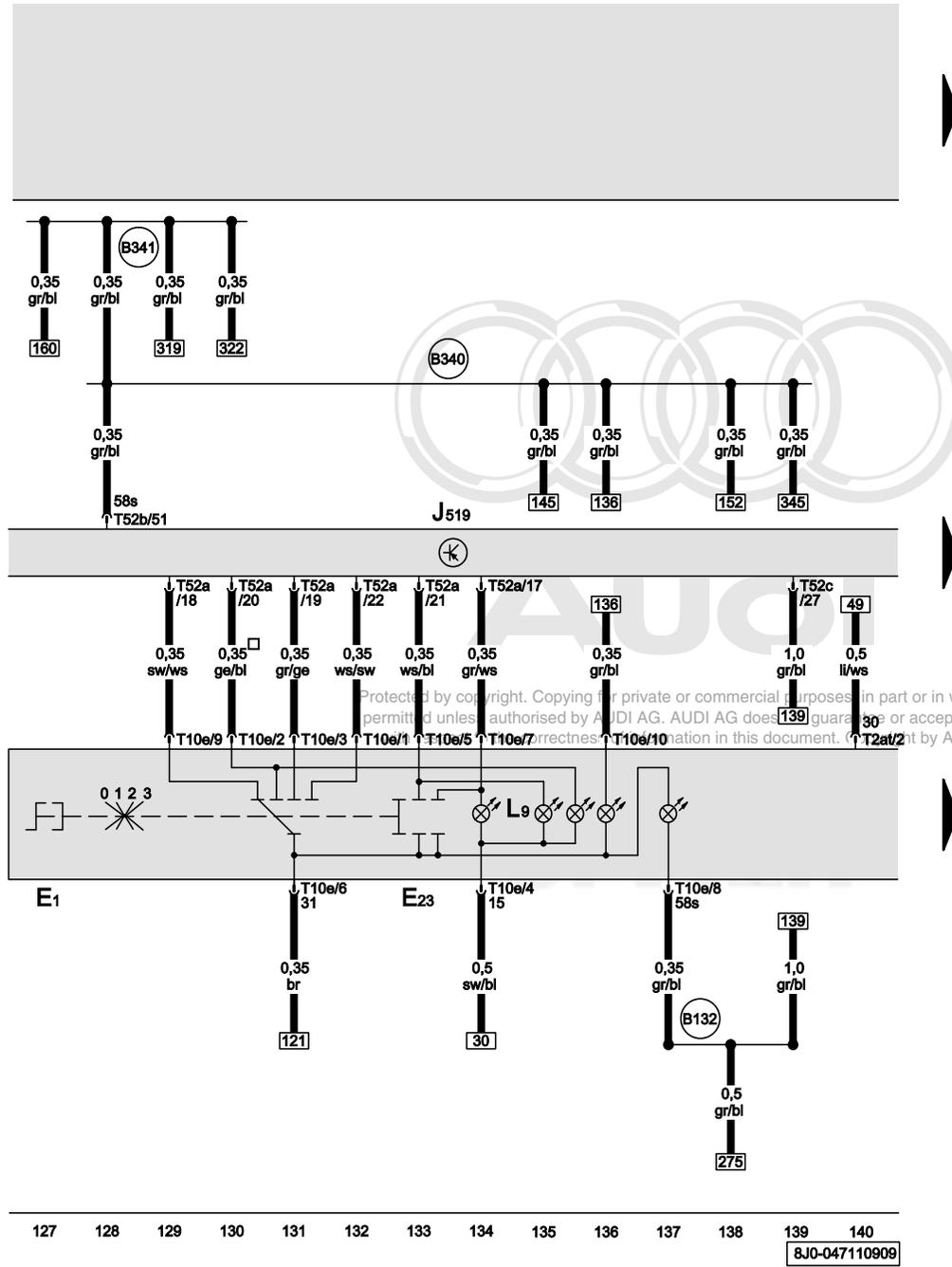


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the prior written consent of Audi AG. Audi AG is not liable for any damage or liability arising from the use of this document.

Vehicle Electrical System Control Module, Light Switch, Fog Lamp and Rear Fog Lamp Switch

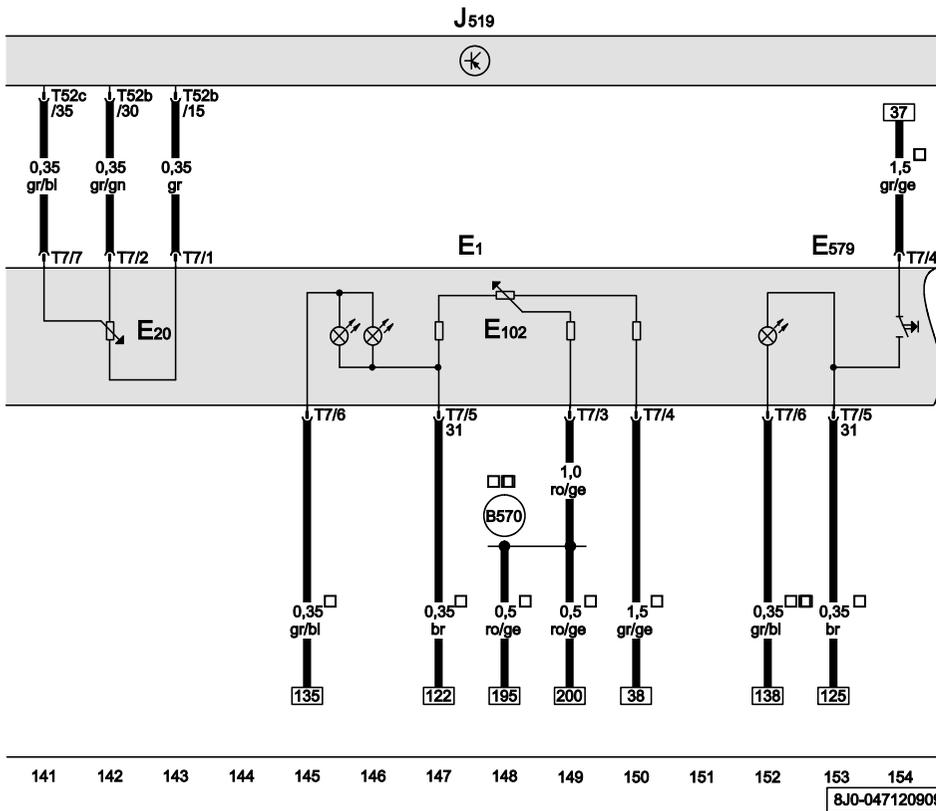
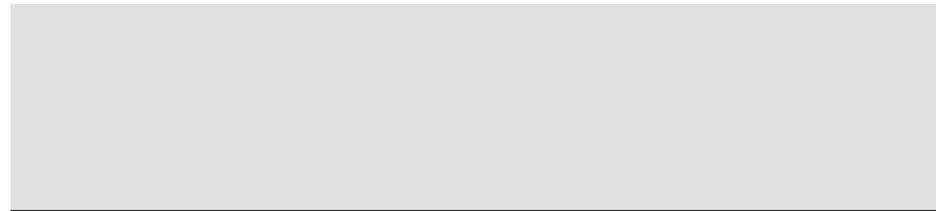
- E1 Light Switch
- E23 Fog Lamp and Rear Fog Lamp Switch
- J519 Vehicle Electrical System Control Module
- L9 Headlamp Switch Illumination
- T2at Double Connector, black, on light switch
- T10e 10-Pin Connector, black (Connector A), on light switch
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- B132 License Plate Light Connection (in interior wiring harness)
- B340 Connection 1 (58s) (in main wiring harness)
- B341 Connection 2 (58s) (in main wiring harness)
- \* Models with automatic headlamp switching



Protected by copyright. Copying for private or commercial purposes in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for correctness of information in this document. © 2009 by AUDI AG.

Vehicle Electrical System Control Module, Light Switch, Headlamp Adjuster, Daytime Running Lamps Disable Switch

- E1 Light Switch
- E20 Instrument Panel Illumination Dimmer Switch
- E102 Headlamp Adjuster
- E579 Daytime Running Lamps Disable Switch
- J519 Vehicle Electrical System Control Module
- T7 7-Pin Connector, black (Connector B), on light switch
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- B570 Connection 37 (in main wiring harness)
- \* Models with manual headlamp range control
- \*\* Models with daytime running lights
- \*\*\* From September 2009



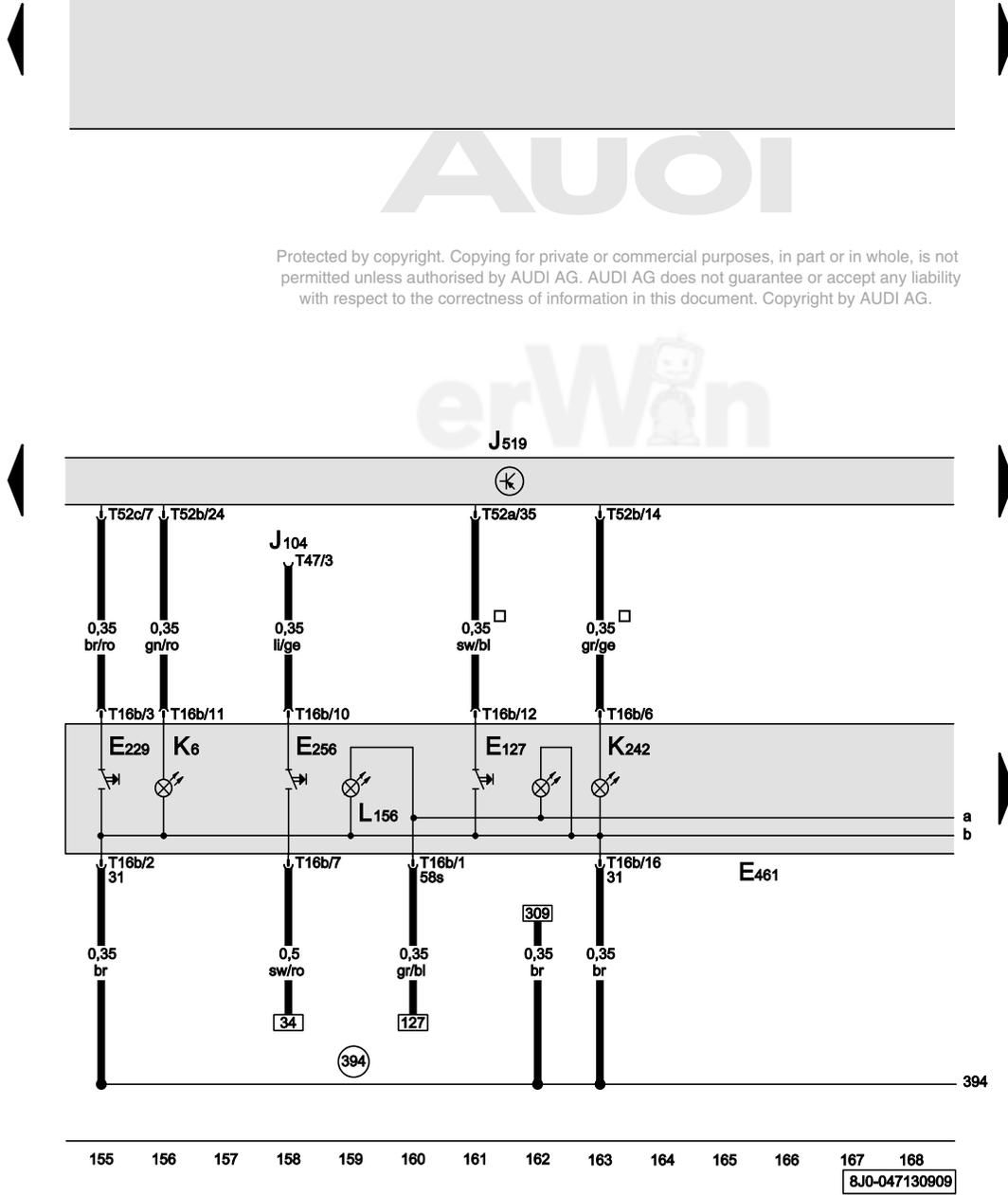
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module, Front/Center Console Control Head

- E127 Rear Spoiler Switch
- E229 Emergency Flasher Button
- E256 ASR/ESP Button
- E461 Front/Center Console Control Head
- J104 ABS Control Module
- J519 Vehicle Electrical System Control Module
- K6 Emergency Flasher Indicator Lamp
- K242 Rear Spoiler Adjustment Indicator Lamp
- L156 Switch Illumination Lamp
- T16b 16-Pin Connector, brown, on center console switch module
- T47 47-Pin Connector, on ABS control module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



- 394 Ground Connection 29 (in main wiring harness)
- \* Models with rear spoiler adjustment

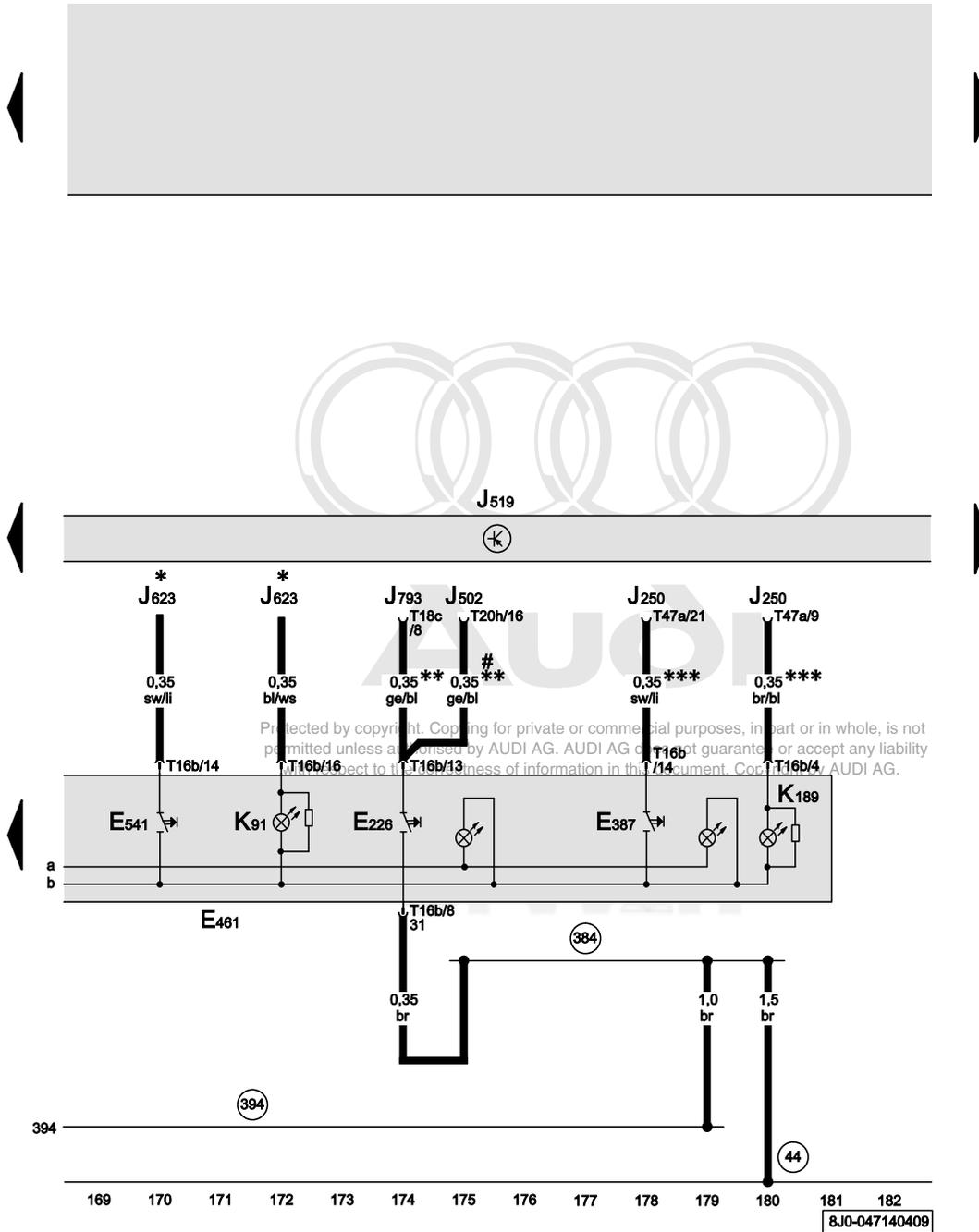
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Front/Center Console Control Head

- E226 Tire Pressure Monitoring Button
- E387 Dampening Adjustment Button
- E461 Front/Center Console Control Head
- E541 Sport Program Button
- J250 Electronic Damping Control Module
- J502 Tire Pressure Monitoring Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- J793 Tire Pressure Monitoring Control Module 2
- K91 Sport Mode Indicator Lamp
- K189 Dampening Adjustment Indicator Lamp
- T16b 16-Pin Connector, brown, on center console switch module
- T18c 18-Pin Connector, black, on tire pressure monitoring control module 2
- T20h 20-Pin Connector, red, on tire pressure monitoring control module 2
- T47a 47-Pin Connector, on electronic damping control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- 394 Ground Connection 29 (in main wiring harness)

- \* ⇒ Wiring Diagram 2.5L Engine
- \*\* Models with tire pressure monitoring
- \*\*\* Models with electronic damping
- # Only USA



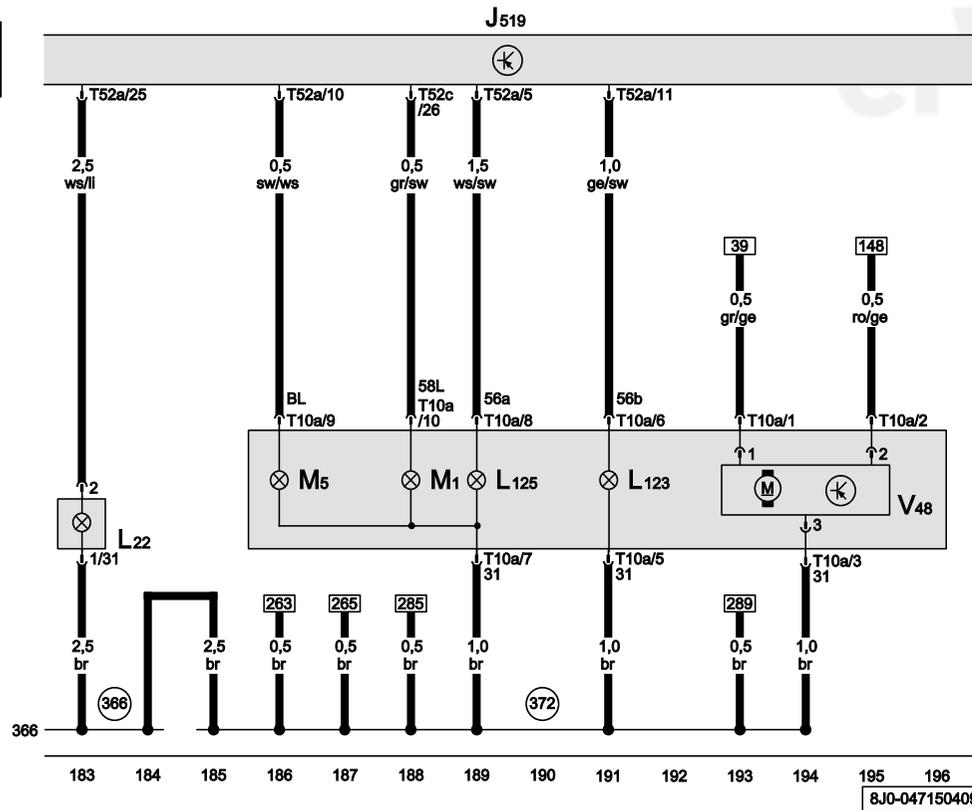
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Left Front Fog Lamp, Left Parking Lamp, Left Front Turn Signal Lamp, Left Headlamp Beam Adjustment Motor, Left Low Beam Lamp, Left High Beam Lamp

- J519 Vehicle Electrical System Control Module
- L22 Left Front Fog Lamp
- L123 Left Low Beam Lamp
- L125 Left High Beam Lamp
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- T10a 10-Pin Connector, on left headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V48 Left Headlamp Beam Adjustment Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)

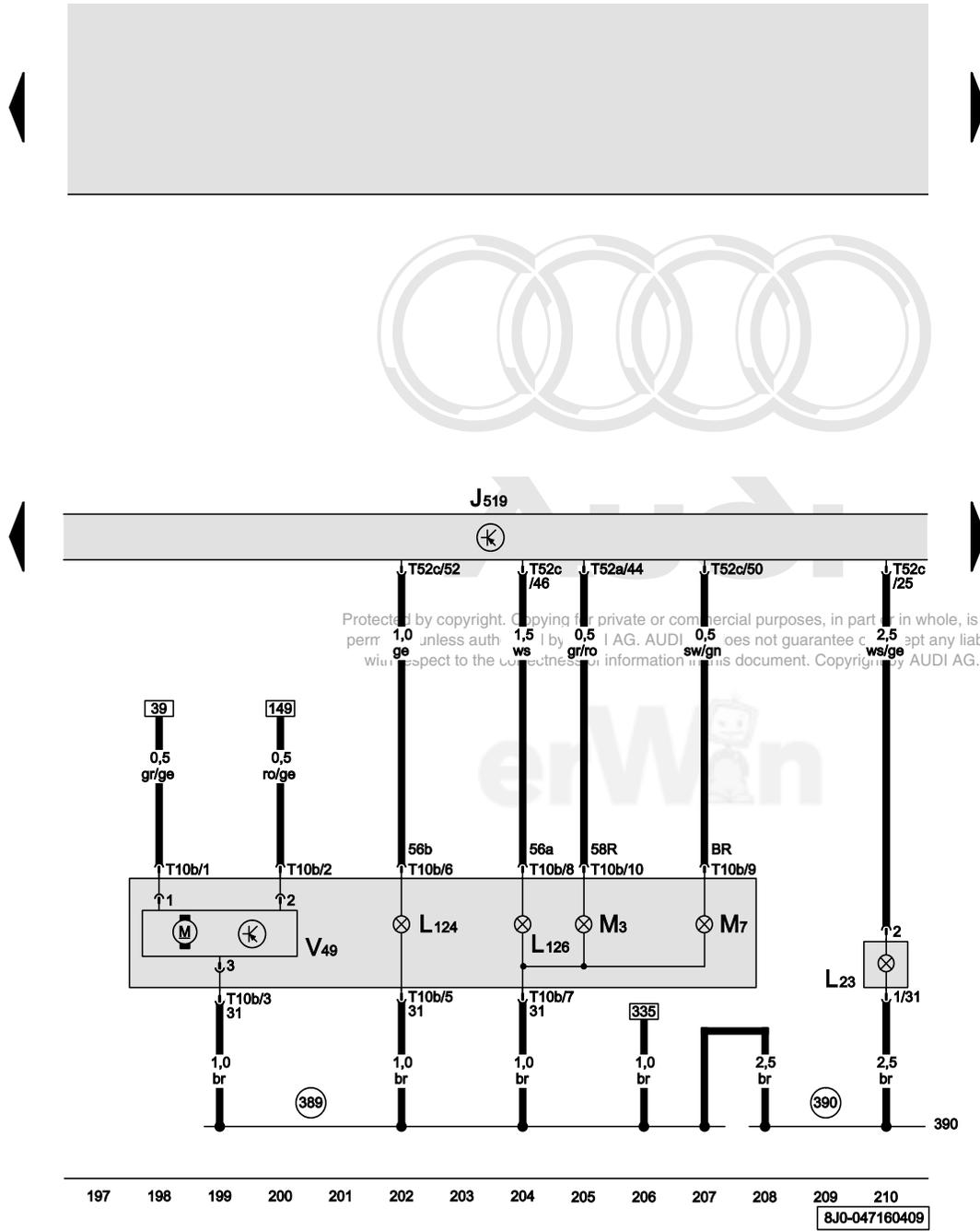


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-047150409

Vehicle Electrical System Control Module, Right Front Fog Lamp, Right Parking Lamp, Right Front Turn Signal Lamp, Right Headlamp Beam Adjustment Motor, Right Low Beam Lamp, Right High Beam Lamp

- J519 Vehicle Electrical System Control Module
- L23 Right Front Fog Lamp
- L124 Right Low Beam Lamp
- L126 Right High Beam Lamp
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- T10b 10-Pin Connector, on right headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V49 Right Headlamp Beam Adjustment Motor
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)



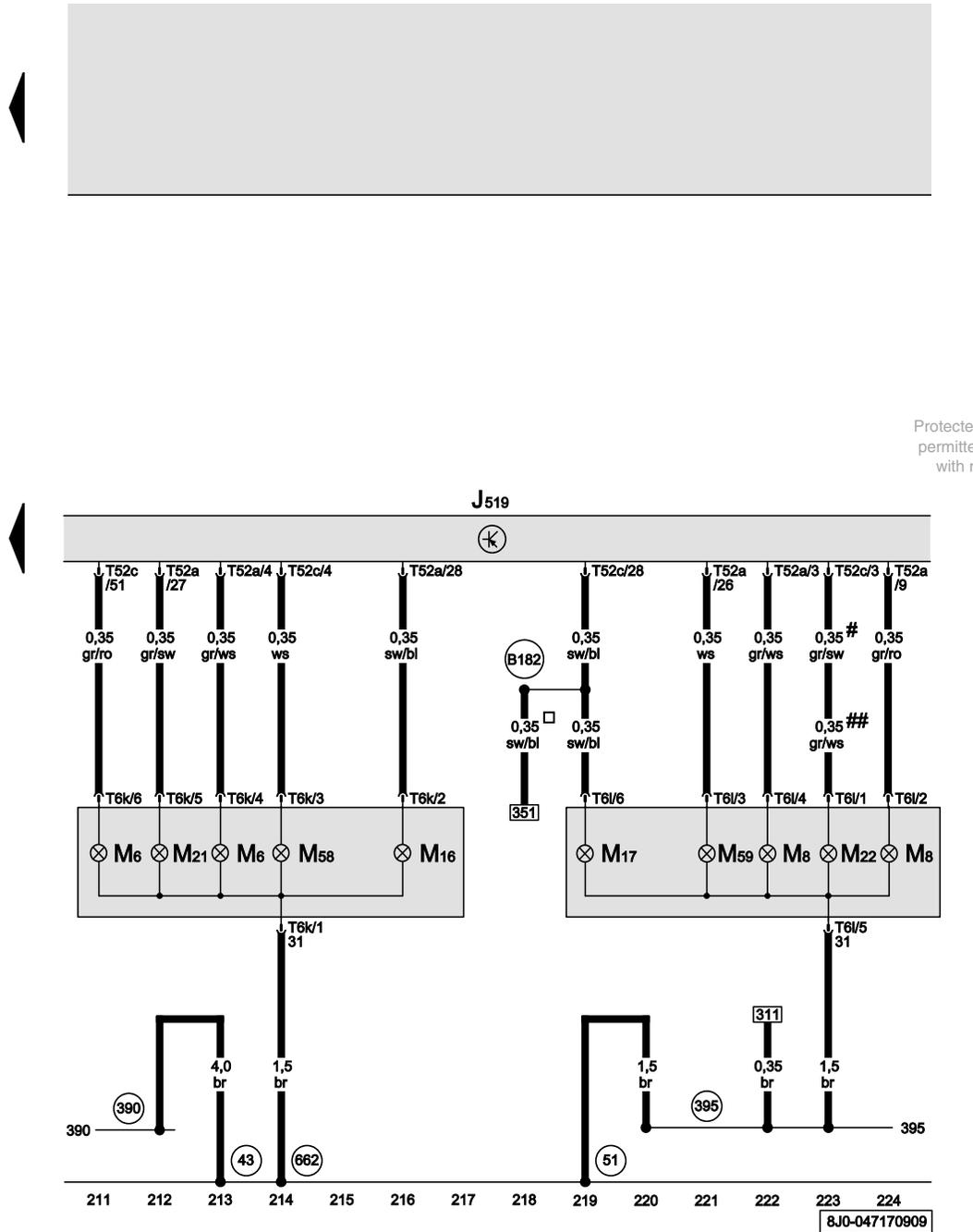
Vehicle Electrical System Control Module, Left and Right Rear Taillamp

- J519 Vehicle Electrical System Control Module
- M6 Left Rear Turn Signal Lamp
- M8 Right Rear Turn Signal Lamp
- M16 Left Back-Up Lamp
- M17 Right Back-Up Lamp
- M21 Left Brake/Taillamp
- M22 Right Brake/Taillamp
- M58 Left Brake/Taillamp 2
- M59 Right Brake/Taillamp 2
- T6k 6-Pin Connector, black, on left rear taillamp
- T6l 6-Pin Connector, black, on right rear taillamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 43 Ground Connection (on right lower A-pillar)
- 51 Ground Connection (in luggage compartment, right)
- 390 Ground Connection 25 (in main wiring harness)
- 395 Ground Connection 30 (in main wiring harness)
- 662 Ground Connection (on left rear side panel)
- B182 Connection (RF) (in passenger compartment wiring harness)
- \* Models with automatic day/night interior mirror
- # Coupé
- ## Roadster

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



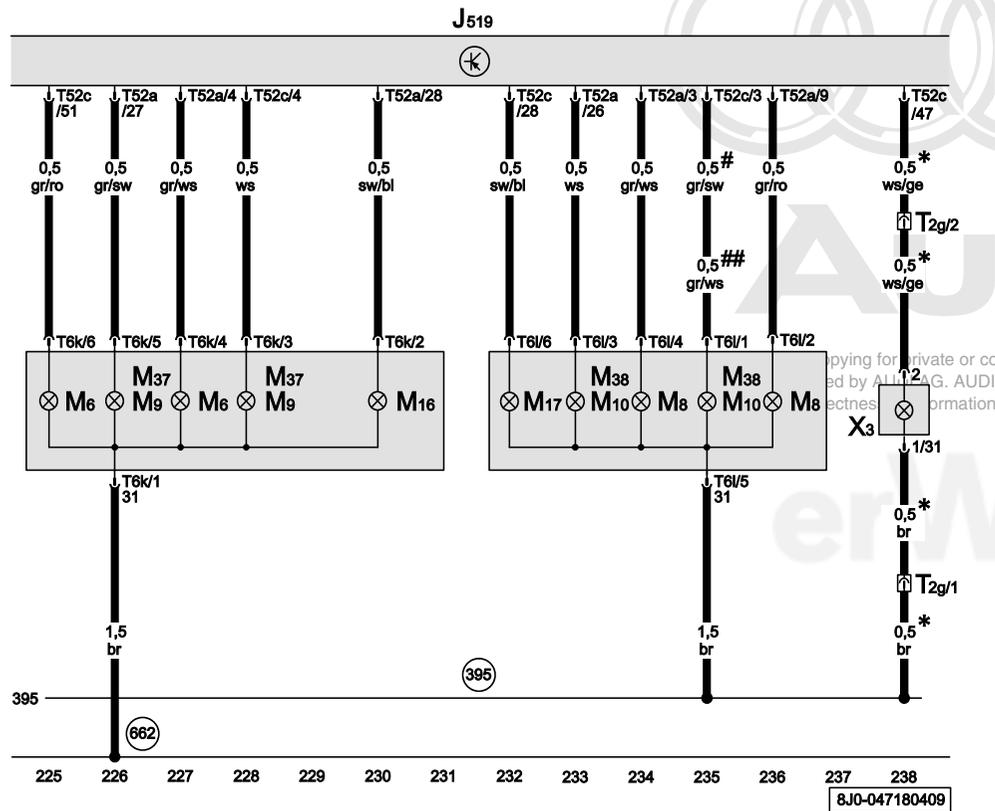
Vehicle Electrical System Control Module, Rear Fog Lamp, Left and Right Rear Taillamp (USA)

- J519 Vehicle Electrical System Control Module
- M6 Left Rear Turn Signal Lamp
- M8 Right Rear Turn Signal Lamp
- M9 Left Brake Lamp
- M10 Right Brake Lamp
- M16 Left Back-Up Lamp
- M17 Right Back-Up Lamp
- M37 Left Rear Side Marker Lamp
- M38 Right Rear Side Marker Lamp
- T2g Double Connector, black, in right luggage compartment
- T6k 6-Pin Connector, black, on left rear taillamp
- T6l 6-Pin Connector, black, on right rear taillamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- X3 Rear Fog Lamp

395 Ground Connection 30 (in main wiring harness)

662 Ground Connection (on left rear side panel)

- \* Not for USA
- # Coupé
- ## Roadster



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

8J0-047180409

Vehicle Electrical System Control Module, Headlamp Washer Relay, Wiper Motor Control Module, Rain/Light Recognition Sensor

- G397 Rain/Light Recognition Sensor
- J39 Headlamp Washer Relay
- J126 Fresh Air Blower Control Module
- J400 Wiper Motor Control Module
- J519 Vehicle Electrical System Control Module
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- V Windshield Wiper Motor
- V5 Windshield Washer Pump
- V11 Headlamp Washer Pump

366 Ground Connection 1 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

B549 LIN-Bus Connection 2 (in main wiring harness)

B568 Connection 35 (in main wiring harness)

Protected by copyright. Copying for private or commercial use without the written permission of Audi AG is prohibited. The copyright holder is Audi AG. The copyright holder is Audi AG. The copyright holder is Audi AG.

Relay and fuse carrier in electronics box engine compartment

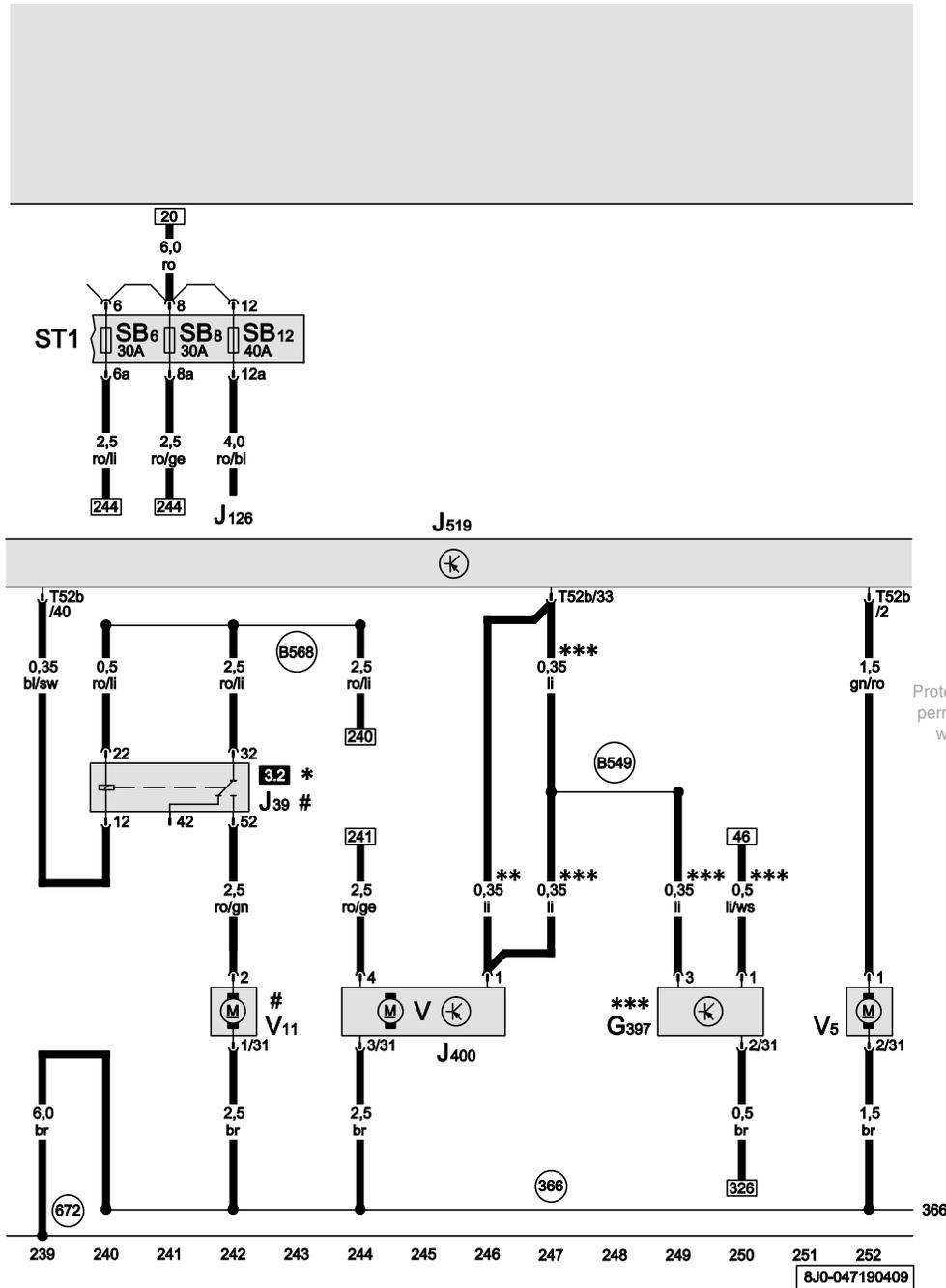
Models without rain/light recognition sensor

Models with rain/light recognition sensor

# Models with headlamp washer

## Relay Carrier on Vehicle Electrical System Control Module

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

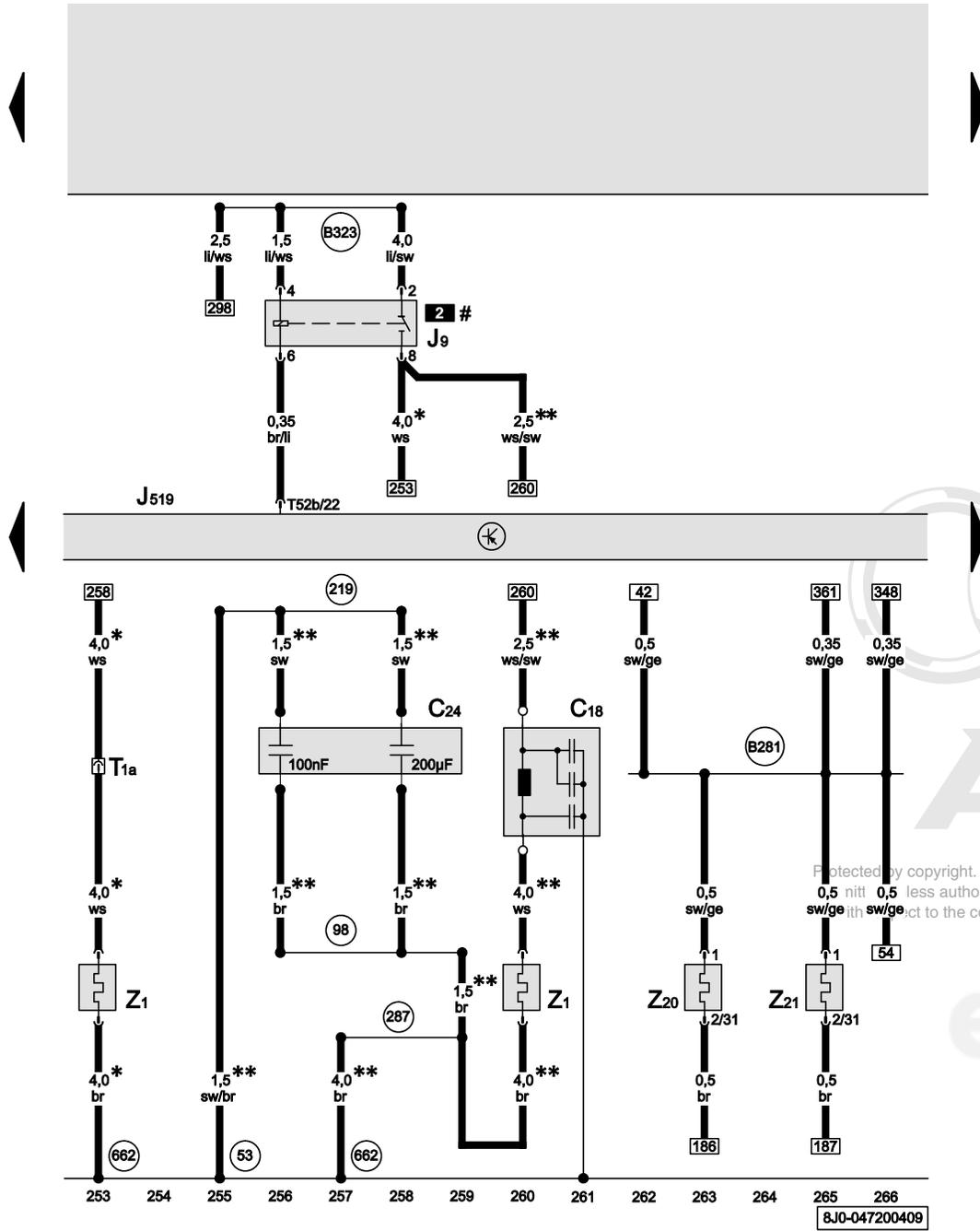


8J0-047190409

Vehicle Electrical System Control Module, Rear Window Defogger Relay, Heated Rear Window, Washer Nozzle Heater

- C18 Windshield Antenna Suppression Filter
- C24 Suppressor
- J9 Rear Window Defogger Relay
- J519 Vehicle Electrical System Control Module
- T1a Single Connector, black, left side panel
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- Z1 Heated Rear Window
- Z20 Left Washer Nozzle Heater
- Z21 Right Washer Nozzle Heater

- 53 Ground Connection (in rear lid, right)
- 98 Ground Connection (in rear lid wiring harness)
- 219 Ground Connection 2 (in rear lid wiring harness)
- 287 Ground Connection (in rear lid hydraulics wiring harness)
- 662 Ground Connection (on left rear side panel)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- B323 Plus Connection 9 (30a) (in main wiring harness)
- \* Models without Radio
- \*\* Models with radio
- # Relay Carrier on Vehicle Electrical System Control Module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not less authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module, Heated Rear Window Button, High-mount Brake Light, Left and Right License Plate Light

- E230 Heated Rear Window Button
- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- M25 High-mount Brake Light
- T8e 8-Pin Connector, brown, in left side panel, rear lid
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- X4 Left License Plate Light
- X5 Right License Plate Light

218 Ground Connection 1 (in rear lid wiring harness)

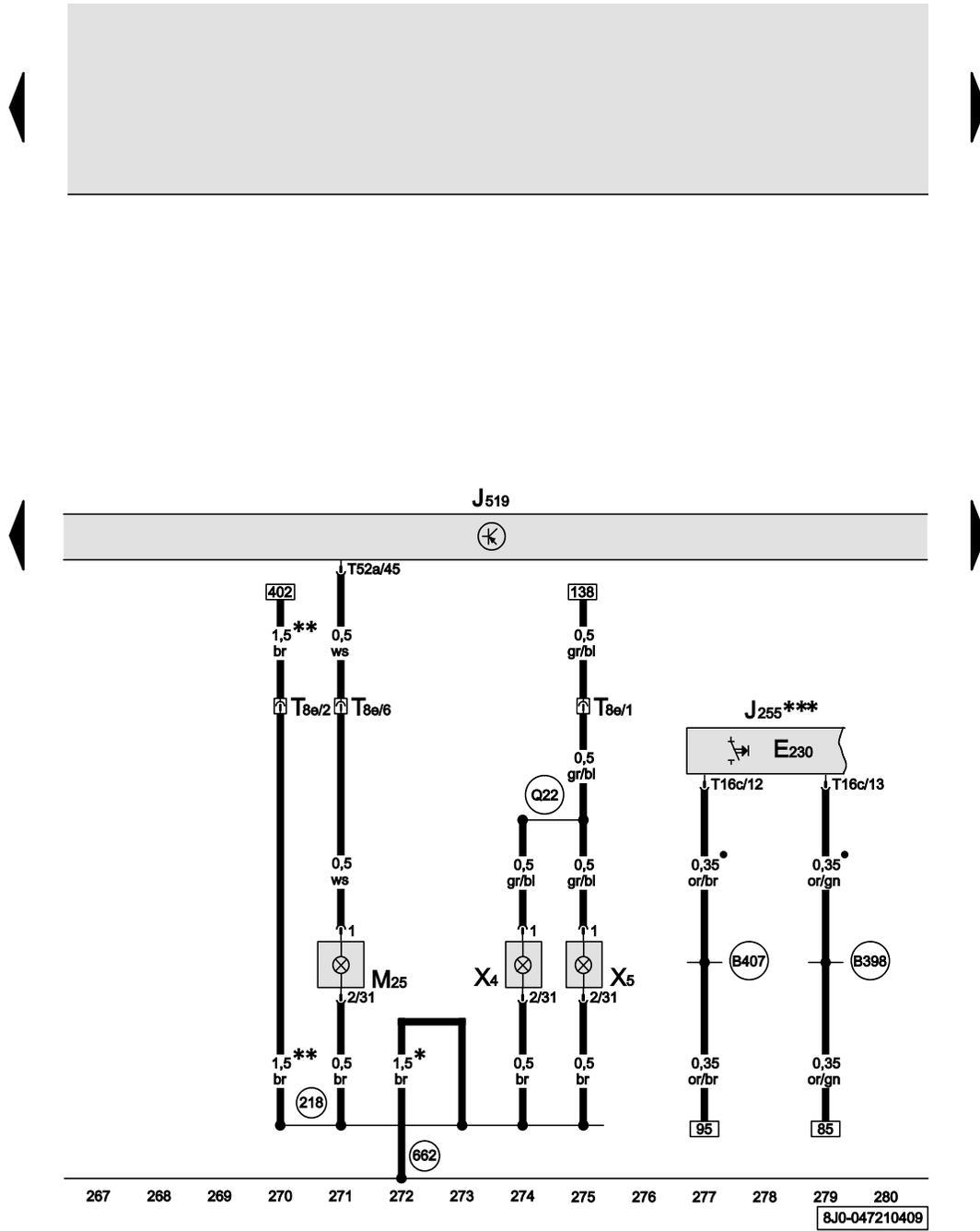
662 Ground Connection (on left rear side panel)

B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)

B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)

Q22 Connection 1 (in tailgate wiring harness)

- CAN-Bus (data wire)
- \* Coupé
- \*\* Roadster
- \*\*\* Operation for heated rear window via CAN-Bus

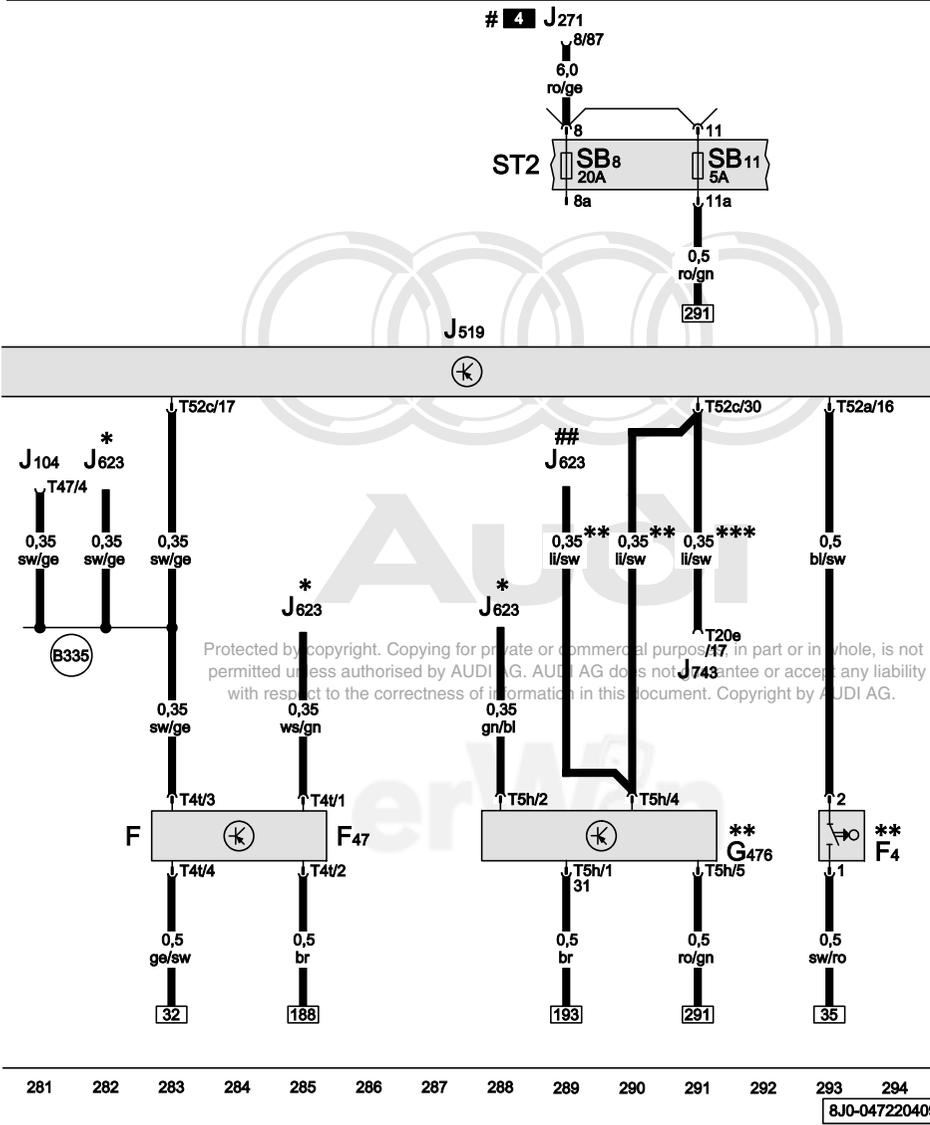
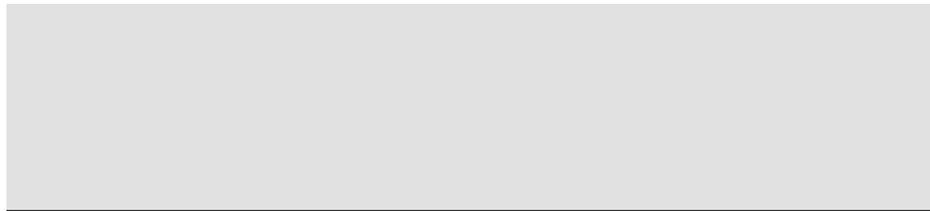


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Brake Light Switch, Brake Pedal Switch, Back-Up Light Switch, Clutch Position Sensor

- F Brake Light Switch
- F4 Back-Up Light Switch
- F47 Brake Pedal Switch
- G476 Clutch Position Sensor
- J104 ABS Control Module
- J271 Motronic Engine Control Module (ECM) Power Supply Relay
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- SB8 Fuse 8 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- T4t 4-Pin Connector, black, on brake light switch
- T5h 5-Pin Connector, black, on clutch position sensor
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T47 47-Pin Connector, on ABS control module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- (B335) Connection 1 (54) (in main wiring harness)
- \* => Wiring Diagram Engine
- \*\* Models with manual transmission
- \*\*\* Models with direct shift gearbox 02E
- # Relay and fuse carrier in electronics box engine compartment
- ## => Wiring Diagram 2.5L Engine

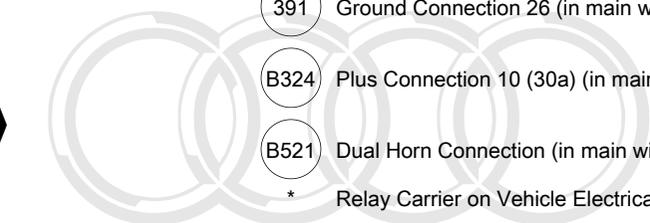


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not warrant or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle Electrical System Control Module, Horn Relay, High Tone Horn, Low Tone Horn, Fuel Tank Lid Lock Motor

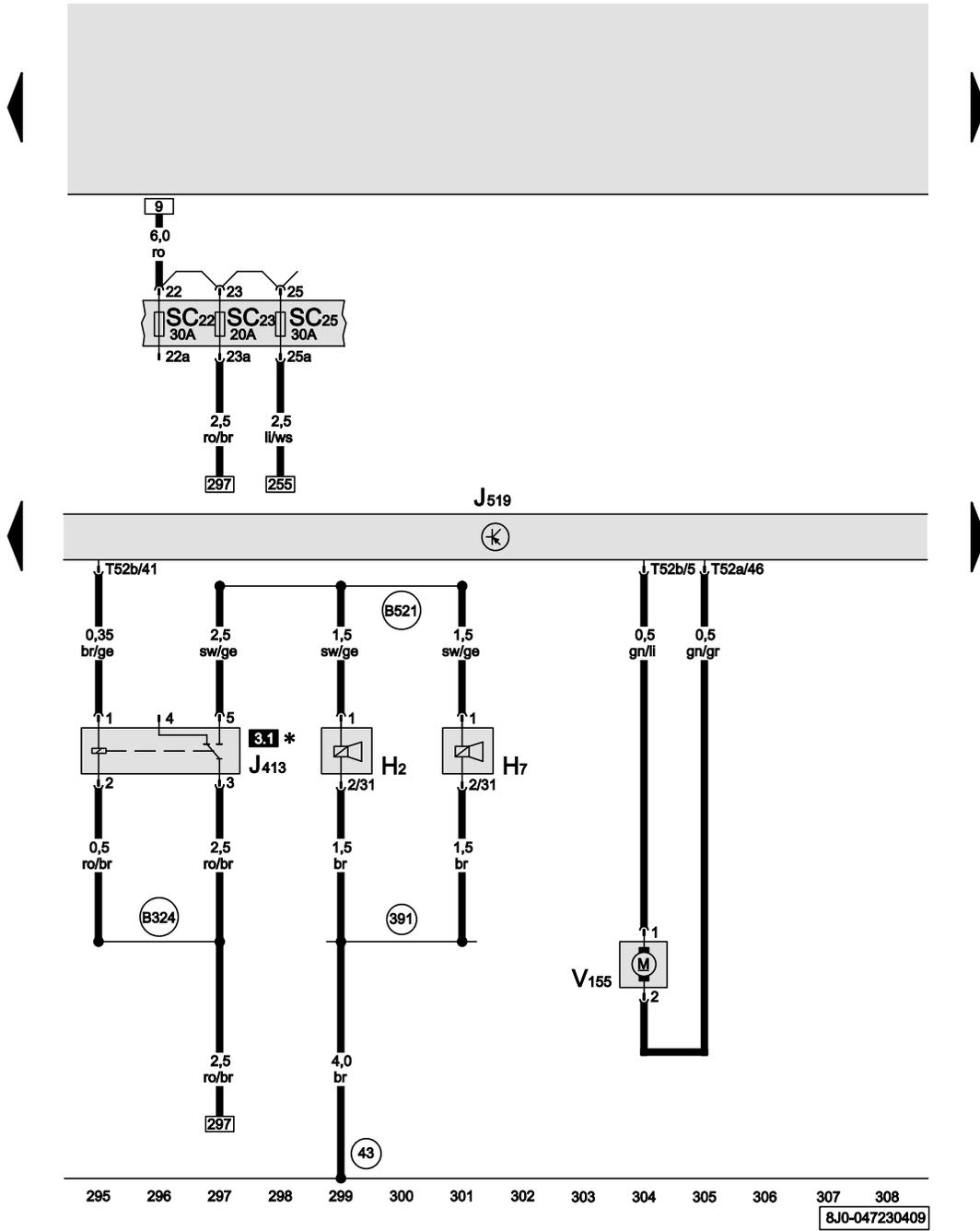
- H2 High Tone Horn
- H7 Low Tone Horn
- J413 Horn Relay
- J519 Vehicle Electrical System Control Module
- SC22 Fuse 22 (on fuse panel C)
- SC23 Fuse 23 (on fuse panel C)
- SC25 Fuse 25 (on fuse panel C)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- V155 Fuel Tank Lid Unlock Motor
- 43 Ground Connection (on right lower A-pillar)
- 391 Ground Connection 26 (in main wiring harness)
- B324 Plus Connection 10 (30a) (in main wiring harness)
- B521 Dual Horn Connection (in main wiring harness)
- \* Relay Carrier on Vehicle Electrical System Control Module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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



Vehicle Electrical System Control Module, Parking Brake Contact Switch, Socket Illumination, Cigarette Lighter, 12 V Socket, Luggage Compartment Light

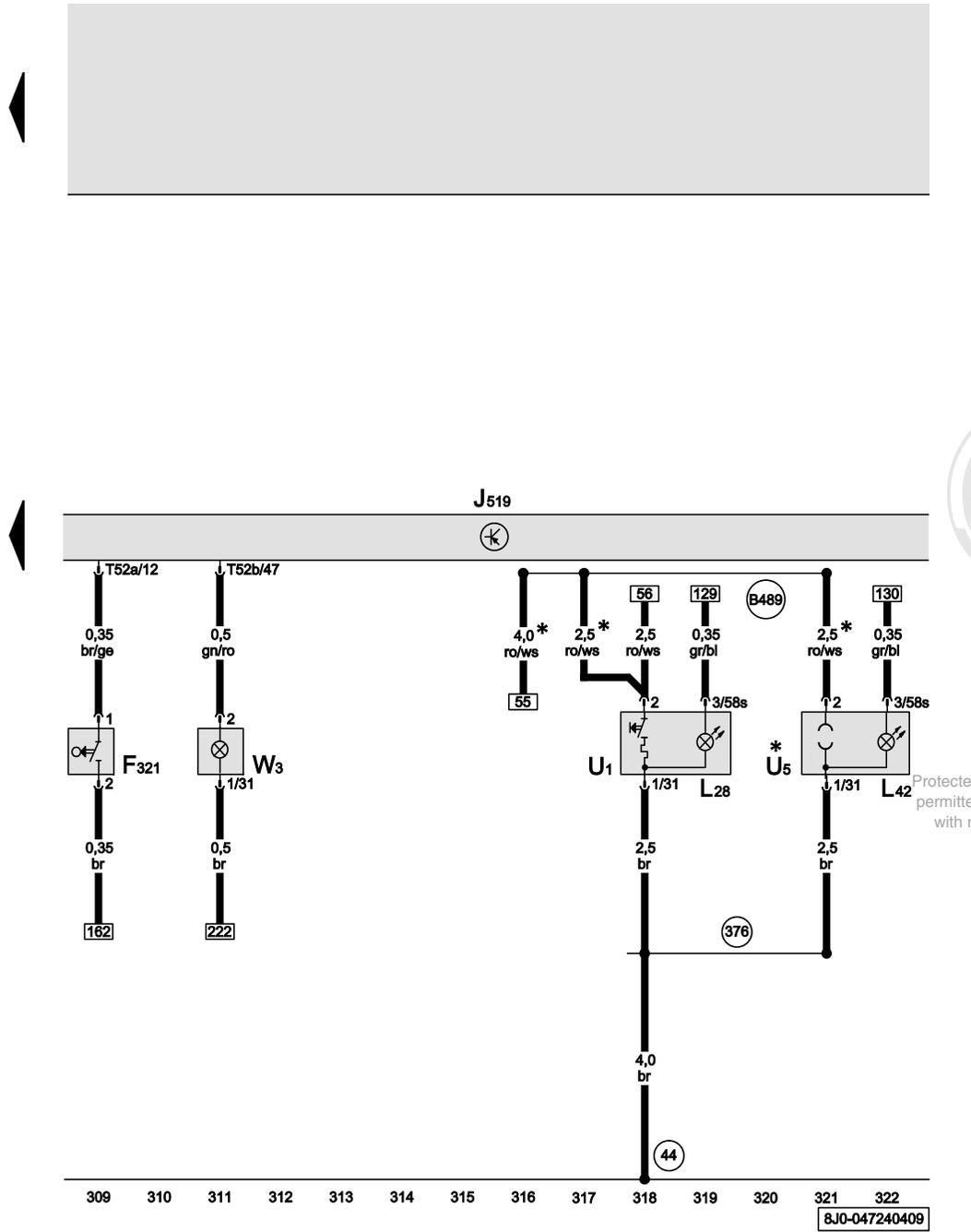
- F321 Parking Brake Contact Switch
- J519 Vehicle Electrical System Control Module
- L28 Cigarette Lighter Illumination
- L42 Socket Illumination
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- U1 Cigarette Lighter
- U5 12 V Socket
- W3 Luggage Compartment Light

44 Ground Connection (on left lower A-pillar)

376 Ground Connection 11 (in main wiring harness)

B489 Connection 25 (in main wiring harness)

\* Only USA

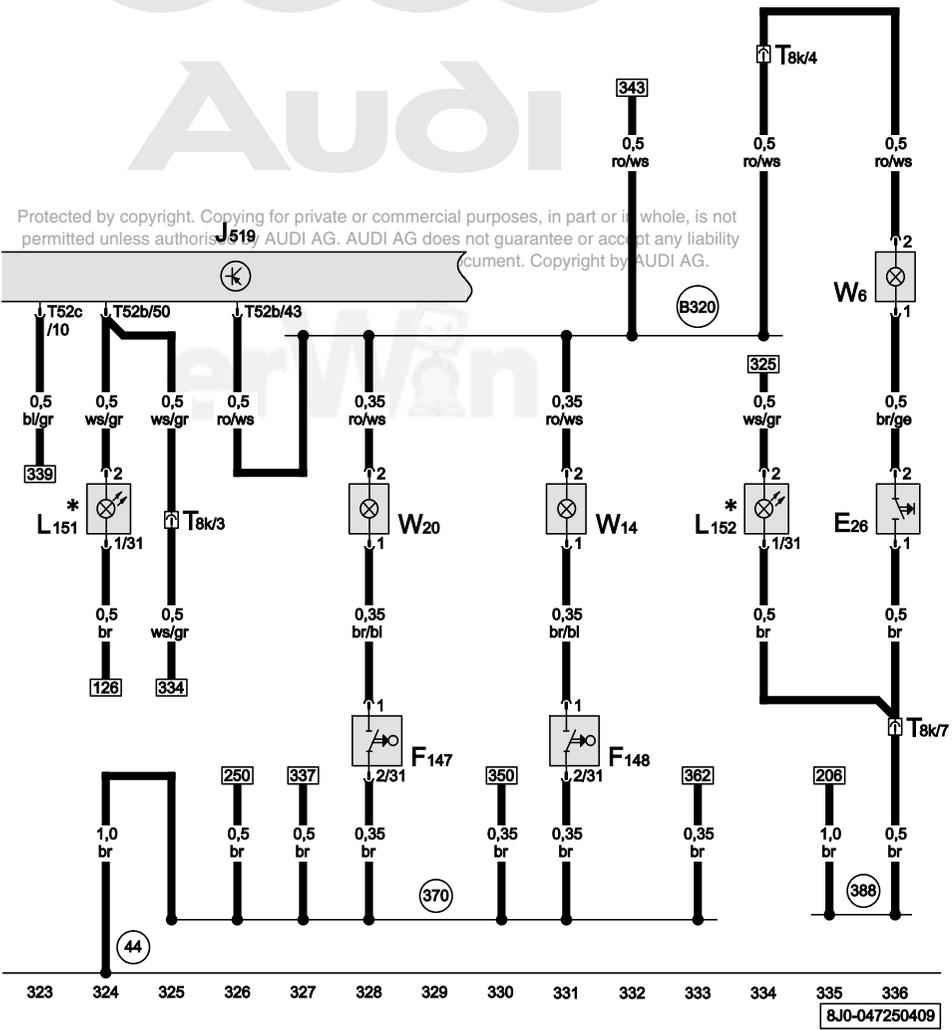


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module, Make-Up Mirror Light Contact Switch, Glove Compartment Light, Illuminated Make-up Mirror

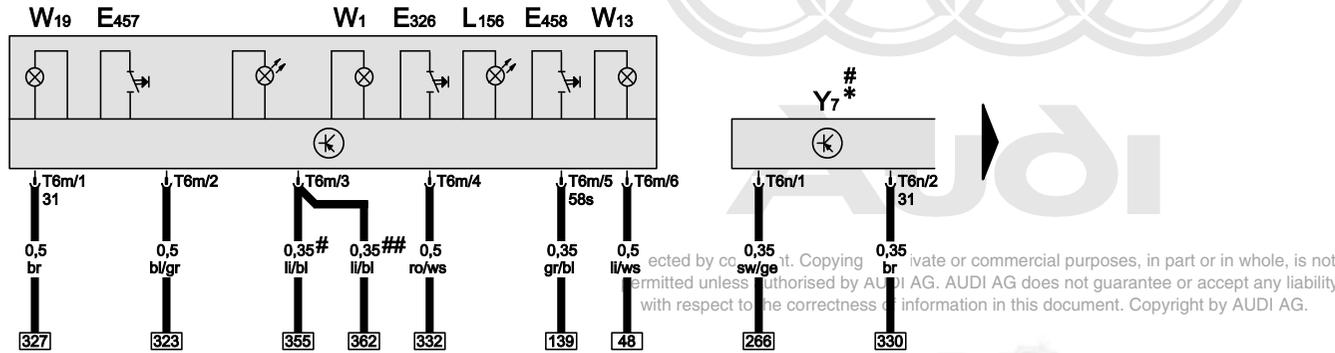
- E26 Glove Compartment Lamp Switch
  - F147 Driver Vanity Mirror Lamp Contact Switch
  - F148 Front Passenger Vanity Mirror Lamp Contact Switch
  - J519 Vehicle Electrical System Control Module
  - L151 Left Front Footwell Illumination
  - L152 Right Front Footwell Illumination
  - T8k 8-Pin Connector, black, behind right instrument panel
  - T52b 52-Pin Connector, yellow, on vehicle electrical system control module
  - T52c 52-Pin Connector, brown, on vehicle electrical system control module
  - W6 Glove Compartment Light
  - W14 Front Passenger's Illuminated Make-up Mirror
  - W20 Driver's Illuminated Make-up Mirror Light
- 44 Ground Connection (on left lower A-pillar)
  - 370 Ground Connection 5 (in main wiring harness)
  - 388 Ground Connection 23 (in main wiring harness)
  - B320 Plus Connection 6 (30a) (in main wiring harness)
- \* Models with light emitting diode (LED) illumination package (QQ1)



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

Front Interior Lamp Button, Reading Light Button, Front Interior Light, Reading Light, Automatic Day/Night Interior Mirror

- E326 Front Interior Lamp Button
- E457 Driver's Reading Light Button
- E458 Front Passenger's Reading Light Button
- L156 Switch Illumination Lamp
- T6m 6-Pin Connector, brown, on interior light
- T6n 6-Pin Connector, black, on interior mirror
- W1 Front Interior Light
- W13 Front Passenger's Map/Reading Light
- W19 Driver's Map/Reading Light
- Y7 Automatic Day/Night Interior Mirror
- \* Models with automatic day/night interior mirror
- # Models without high beam assist
- ## Models with high beam assist



ected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

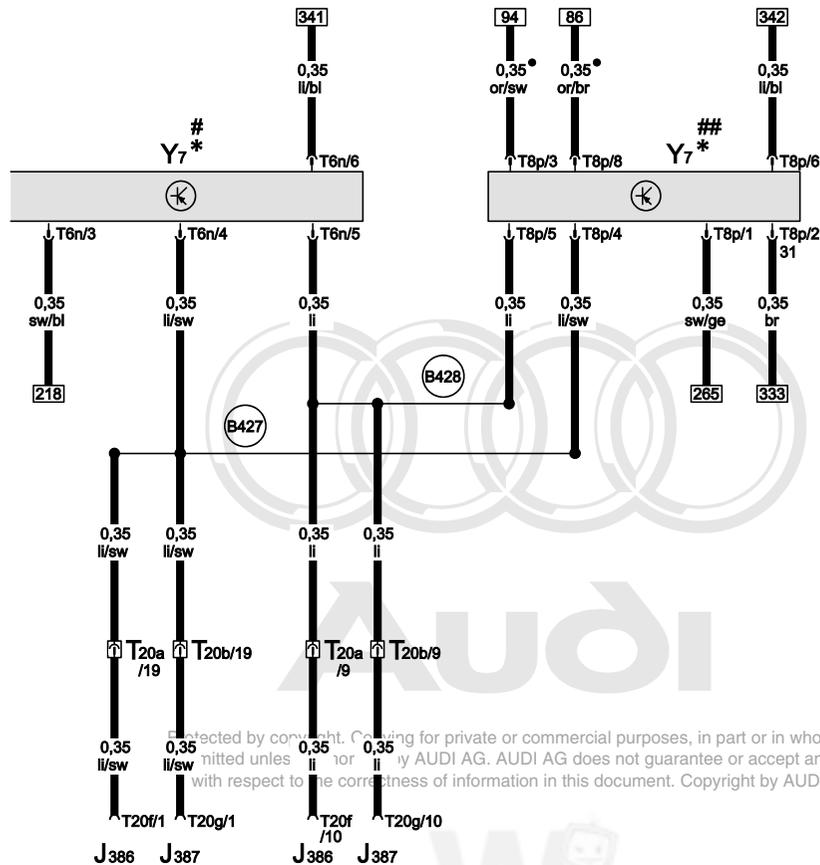
Automatic Day/Night Interior Mirror with or without High Beam Assist

- J386 Driver's Door Control Module
- J387 Front Passenger's Door Control Module
- T6n 6-Pin Connector, black, on interior mirror
- T8p 8-Pin Connector, black, on interior mirror
- T20a 20-Pin Connector, black, on front left door
- T20b 20-Pin Connector, black, on front right door
- T20f 20-Pin Connector, black (Connector A), on driver's door control module
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- Y7 Automatic Day/Night Interior Mirror

(B427) Mirror Auto-dimming Signal Connection 1 (in main wiring harness)

(B428) Mirror Auto-dimming Signal Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with automatic day/night interior mirror
- # Models without high beam assist
- ## Models with high beam assist



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

351 352 353 354 355 356 357 358 359 360 361 362 363 364

8J0-047270409

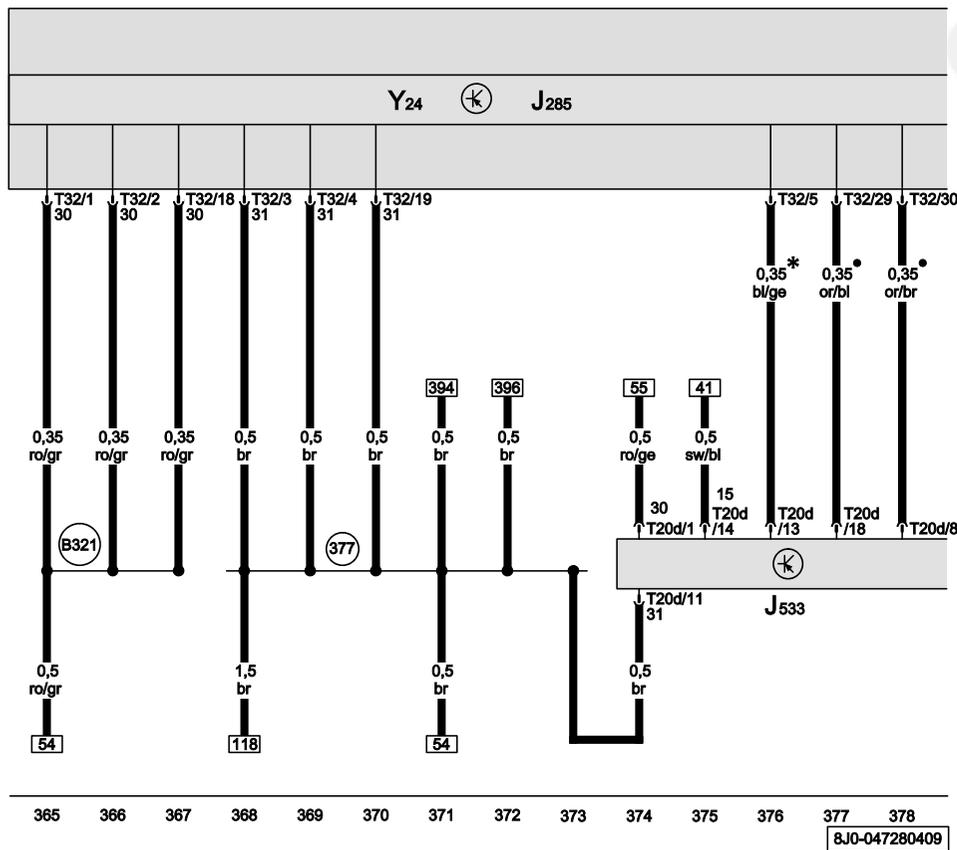
Instrument Cluster Control Module, Data Bus On Board Diagnostic Interface

- J285 Instrument Cluster Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster

377 Ground Connection 12 (in main wiring harness)

B321 Plus Connection 7 (30a) (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in whole or in part, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the accuracy or reliability with respect to the correctness of information in this document. Copyright by AUDI AG.

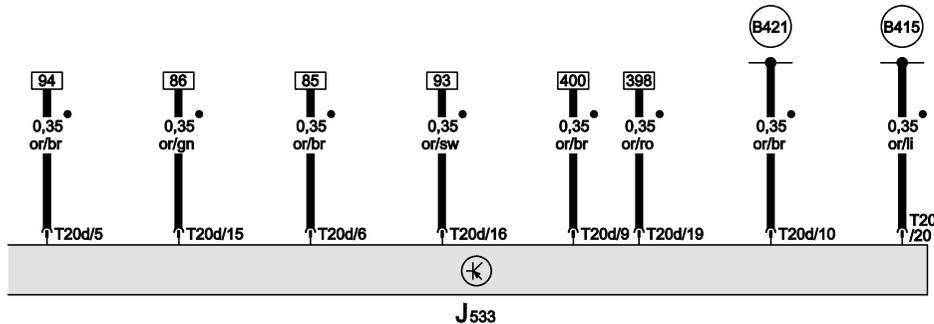
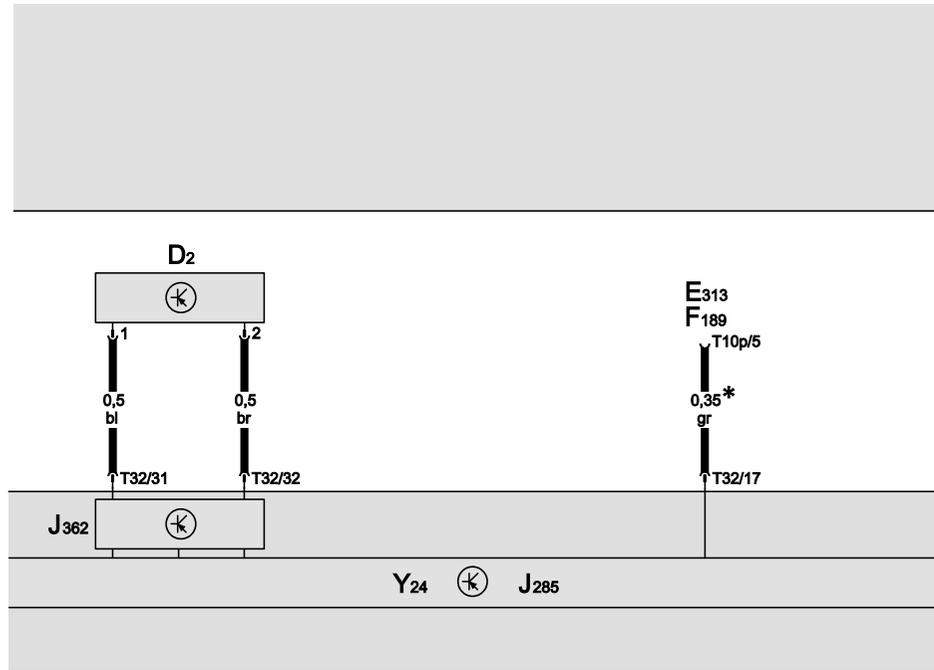


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

8J0-047280409

Instrument Cluster Control Module, Data Bus On Board Diagnostic Interface, Anti-Theft Immobilizer Control Module, Anti-Theft Immobilizer Reading Coil

- D2 Anti-Theft Immobilizer Reading Coil
- E313 Selector Lever
- F189 Tiptronic Switch
- J285 Instrument Cluster Control Module
- J362 Anti-Theft Immobilizer Control Module
- J533 Data Bus On Board Diagnostic Interface
- T10p 10-Pin Connector, on Tiptronic switch
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Models with direct shift gearbox 02E



379 380 381 382 383 384 385 386 387 388 389 390 391 392  
8J0-047290409

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

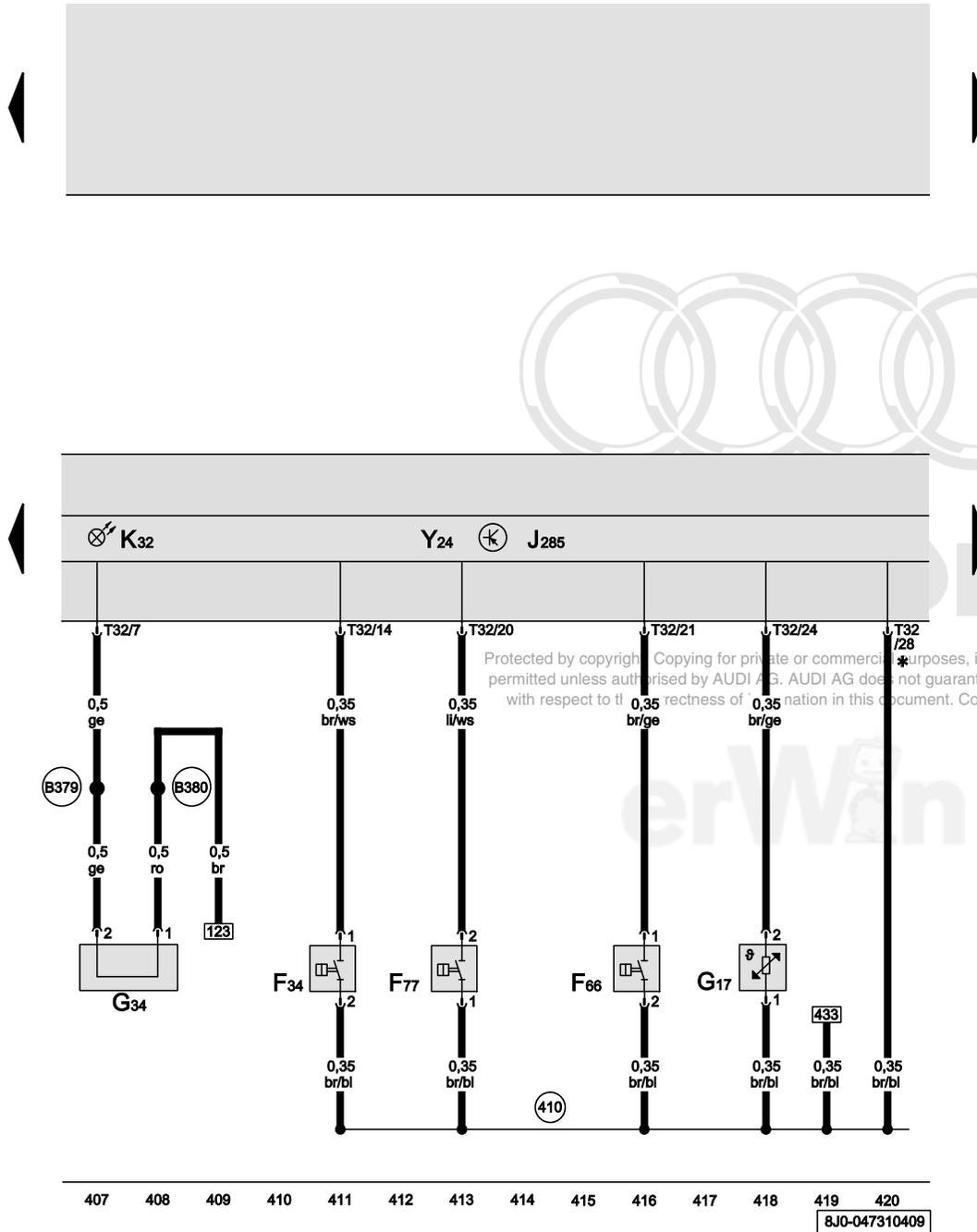
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Instrument Cluster Control Module, Brake Fluid Level Warning Switch, Outside Air Temperature Sensor, Left Front Brake Pad Wear Sensor, Brake Pad Wear Indicator Lamp, Engine Coolant Level (ECL) Warning Switch, Windshield Washer Fluid Level Warning Switch

- F34 Brake Fluid Level Warning Switch
- F66 Engine Coolant Level (ECL) Warning Switch
- F77 Windshield Washer Fluid Level Warning Switch
- G17 Outside Air Temperature Sensor
- G34 Left Front Brake Pad Wear Sensor
- J285 Instrument Cluster Control Module
- K32 Brake Pad Wear Indicator Lamp
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster

- 410 Sensor Ground Connection 1 (in main wiring harness)
- B379 Brake Wear Indicator Connection 1 (in main wiring harness)
- B380 Brake Wear Indicator Connection 2 (in main wiring harness)
- \* Output Sensor

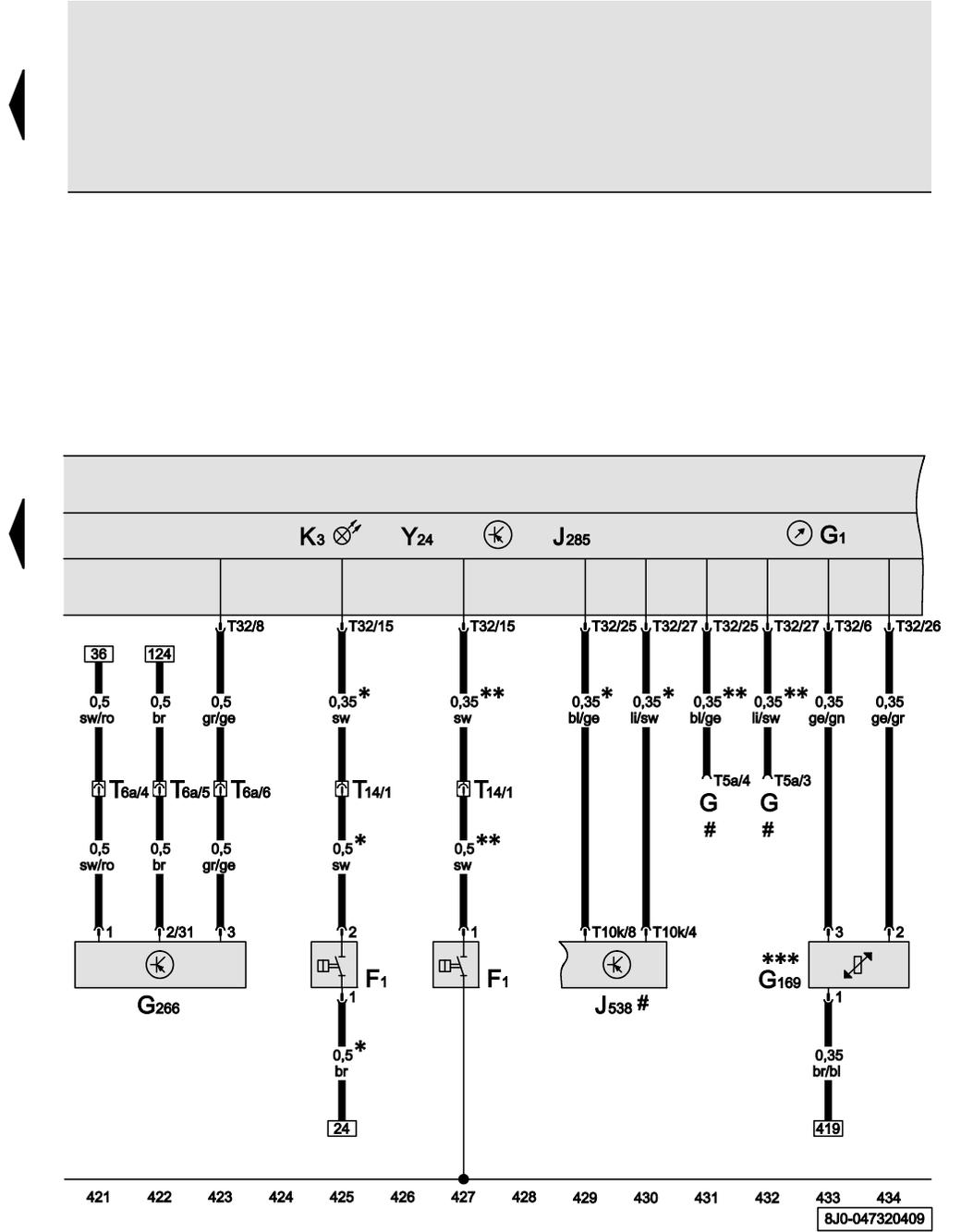


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Instrument Cluster Control Module, Oil Pressure Switch, Fuel Level Sensor, Fuel Level Sensor 2, Oil Level Thermal Sensor, Fuel Pump (FP) Control Module

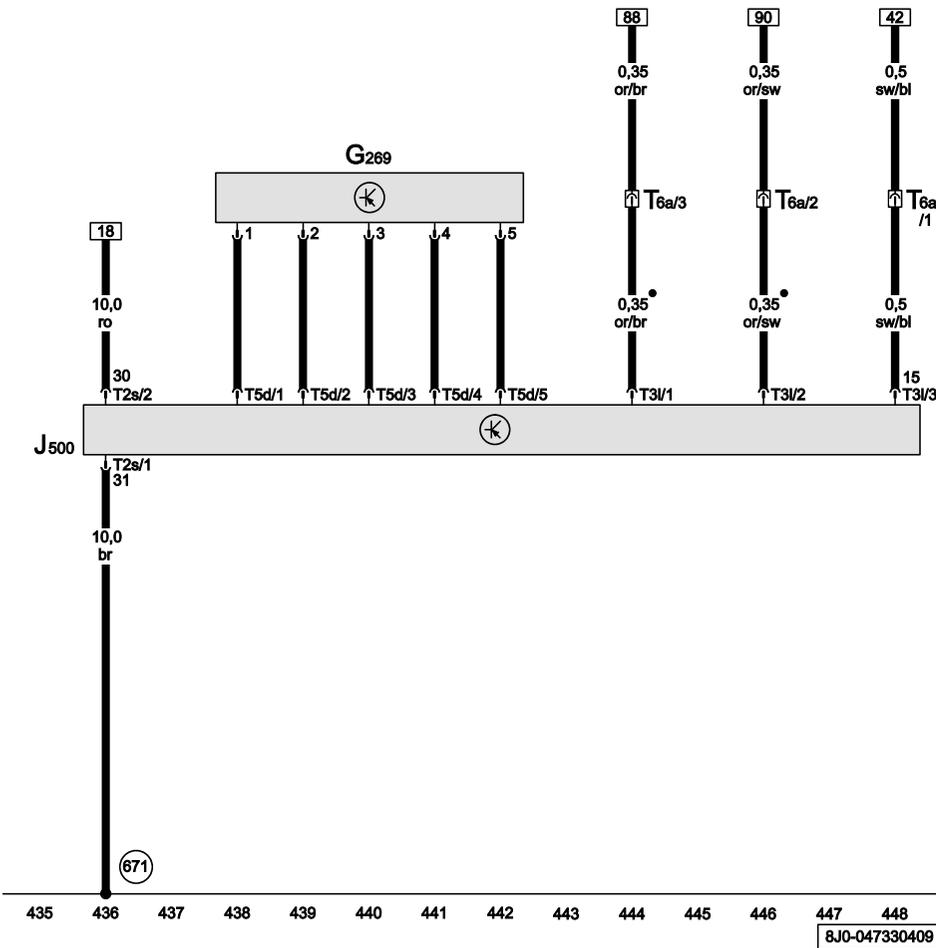
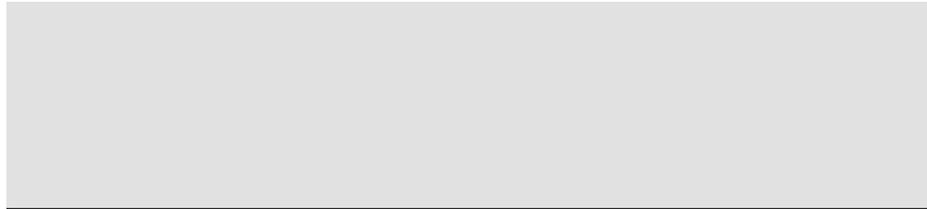
- F1 Oil Pressure Switch
- G Fuel Level Sensor
- G1 Fuel Gauge
- G169 Fuel Level Sensor 2
- G266 Oil Level Thermal Sensor
- J285 Instrument Cluster Control Module
- J538 Fuel Pump (FP) Control Module
- K3 Oil Pressure Warning Lamp
- T5a 5-Pin Connector, black, on fuel level sensor
- T6a 6-Pin Connector, black, in engine compartment, front left
- T10k 10-Pin Connector, black, on fuel pump (FP) control module
- T14 14-Pin Connector, black, in left front engine compartment
- T32 32-Pin Connector, blue, on instrument cluster control module
- Y24 Display Unit in Instrument Cluster
- \* 1.8L gasoline engine  
2.0L gasoline engine
- \*\* 2.5L gasoline engine  
2.0L diesel engine  
3.2L gasoline engine
- \*\*\* Models with all-wheel drive
- # → Wiring Diagram Engine



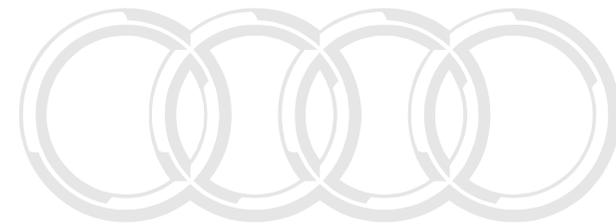
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Power Steering Control Module, Steering Torque Sensor

- G269 Steering Torque Sensor
- J500 Power Steering Control Module
- T2s Double Connector, black (Connector A), on power steering control module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T5d 5-Pin Connector (Connector B), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- 671 Ground Connection 1 (on left front long member)
  - CAN-Bus (data wire)



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



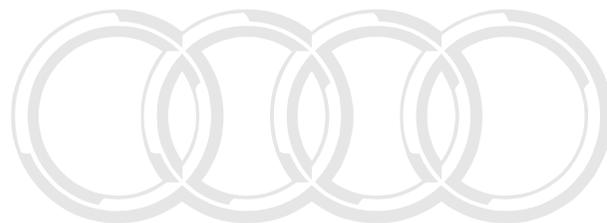
Audi

Copyrighted by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## Convenience system

From June 2009



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



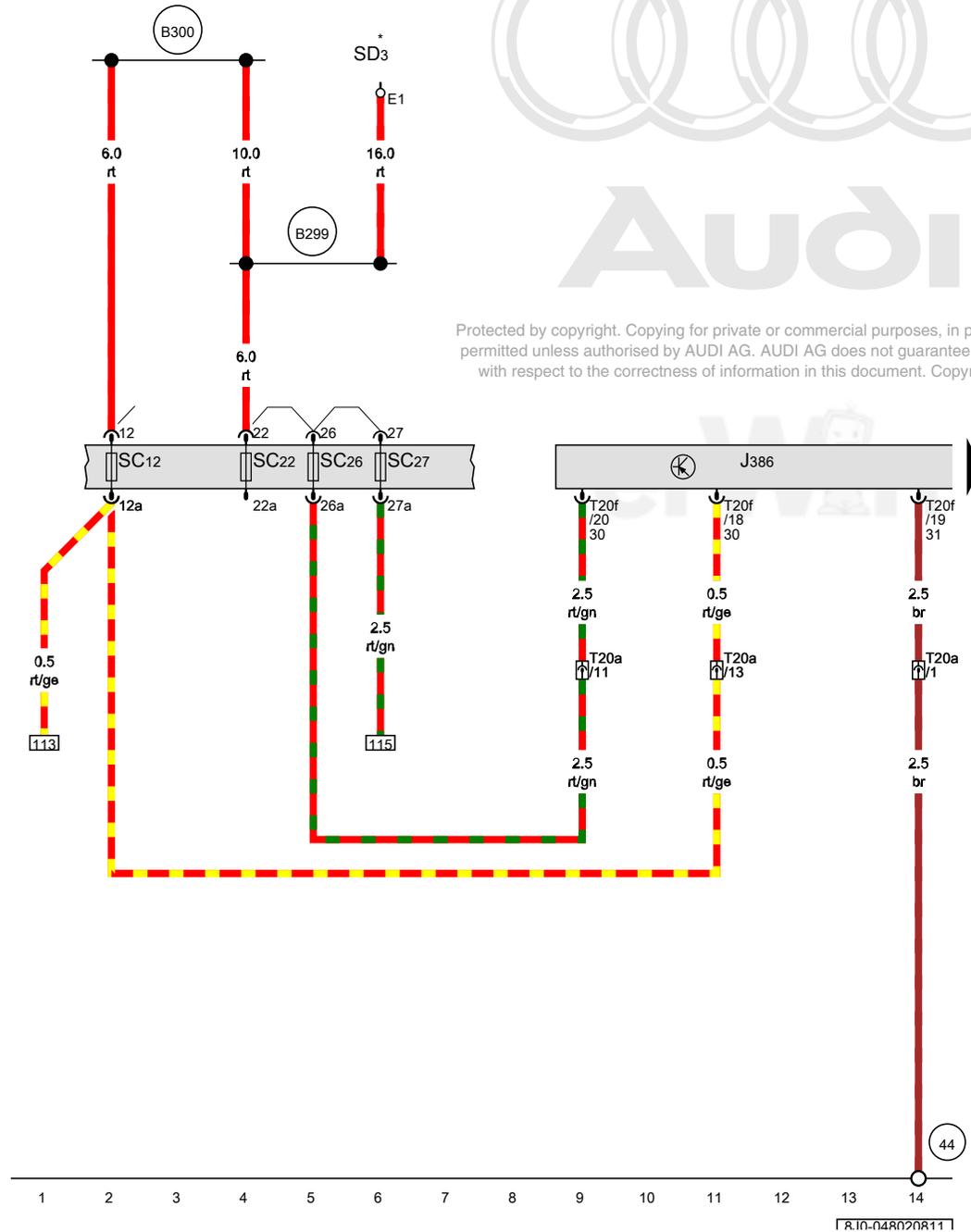


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

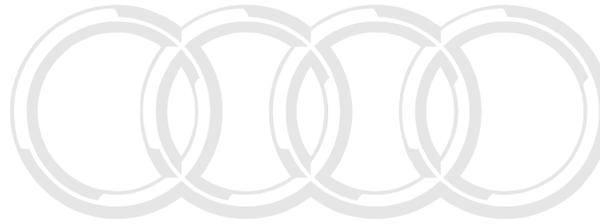
Driver door control module

- J386 Driver door control module
- SD3 Fuse 3 (on fuse panel D)
- SC12 Fuse 12 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC26 Fuse 26 (on fuse panel C)
- SC27 Fuse 27 (on fuse panel C)
- T20a 20-pin connector, in the left front door
- T20f 20-pin connector

- 44 Ground connection on A-pillar, lower left
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- \* Main fuse box in the right rear luggage compartment, at the battery



18.10-048020811



Audi

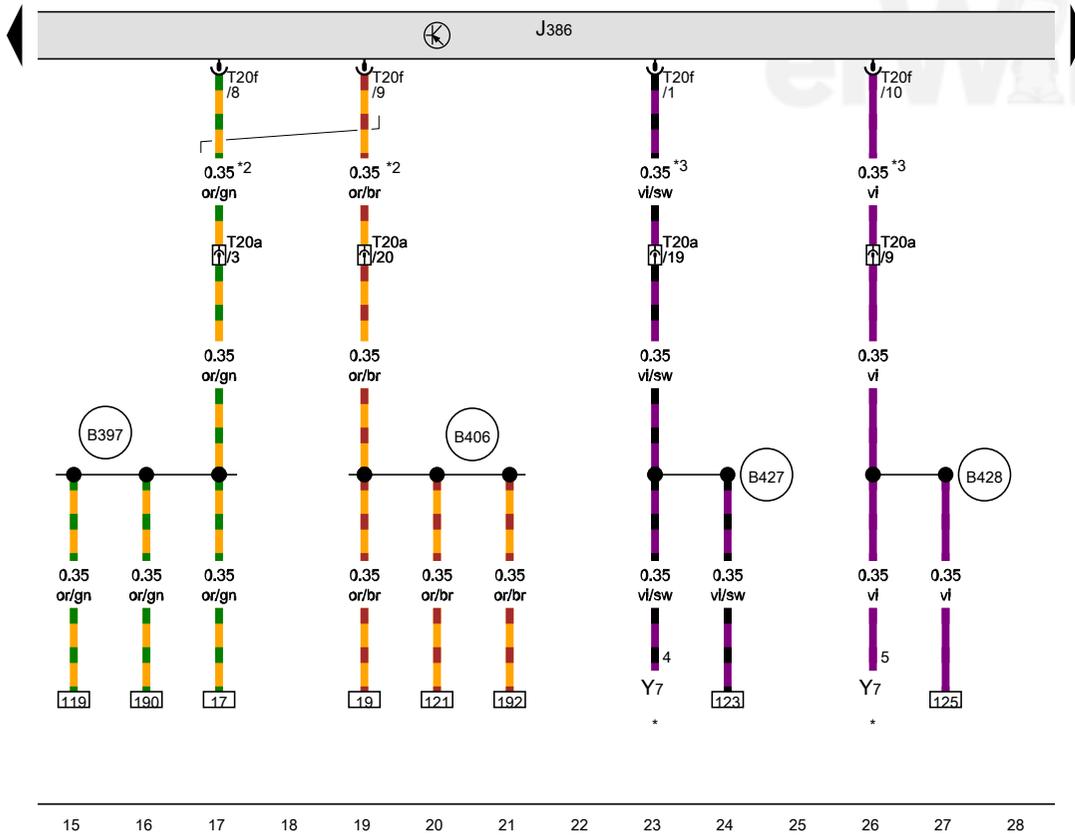
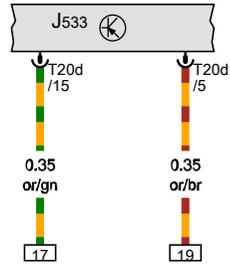
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Driver door control module

- J386 Driver door control module
- J533 Data bus on board diagnostic interface
- T20a 20-pin connector, in the left front door
- T20d 20-pin connector
- T20f 20-pin connector
- Y7 Automatic dimming interior rearview mirror

- B397** Comfort system CAN bus high connection 1 (in main wiring harness)
- B406** Comfort system CAN bus low connection 1 (in main wiring harness)
- B427** Mirror auto-dimming signal connection 1 (in main wiring harness)
- B428** Mirror auto-dimming signal connection 2 (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Data bus wire (CAN bus)
- \*3 Only for vehicles with automatic dimming interior rearview mirror



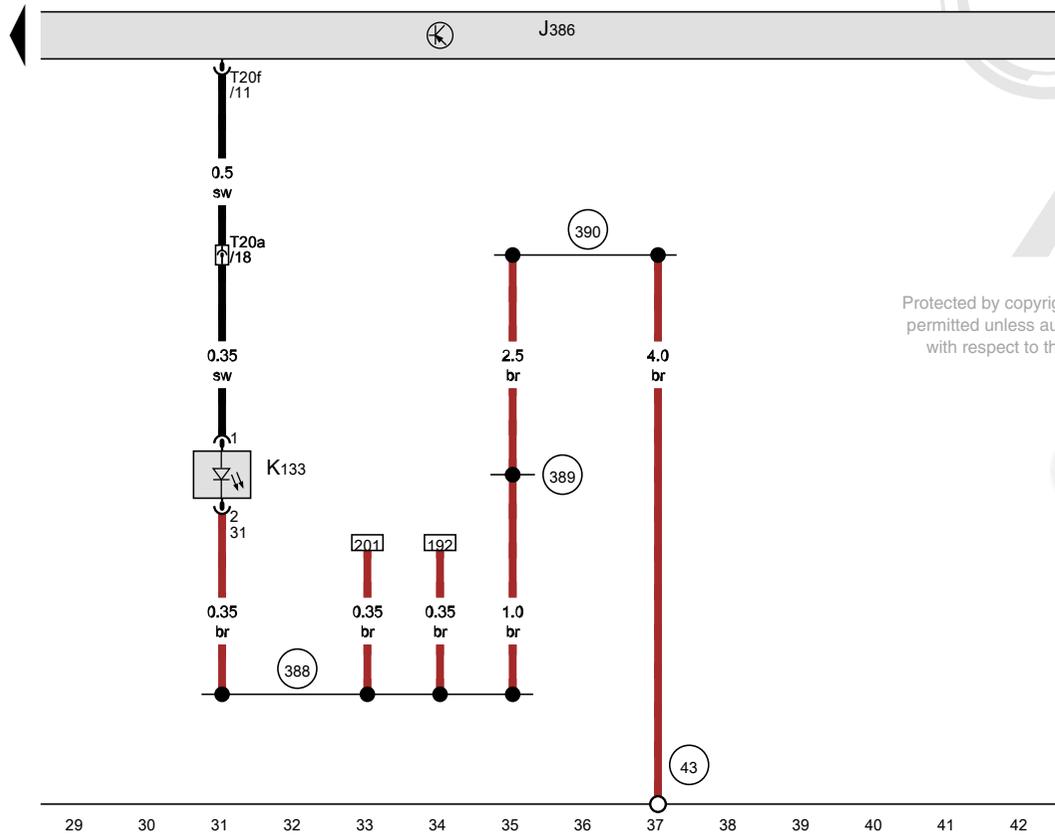
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

[8.10-04R030811]

Driver door control module, Central locking -SAFE- indicator lamp

- J386 Driver door control module
- K133 Central locking -SAFE- indicator lamp
- T20a 20-pin connector, in the left front door
- T20f 20-pin connector

- 43 Ground connection on A-pillar, lower right
- 388 Ground connection 23 (in main wiring harness)
- 389 Ground connection 24 (in main wiring harness)
- 390 Ground connection 25 (in main wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

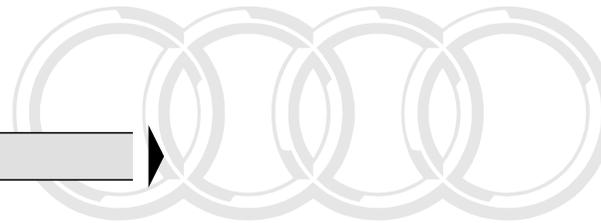
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

[8.10-04R020R11]

Driver central locking lock unit, Driver door control module

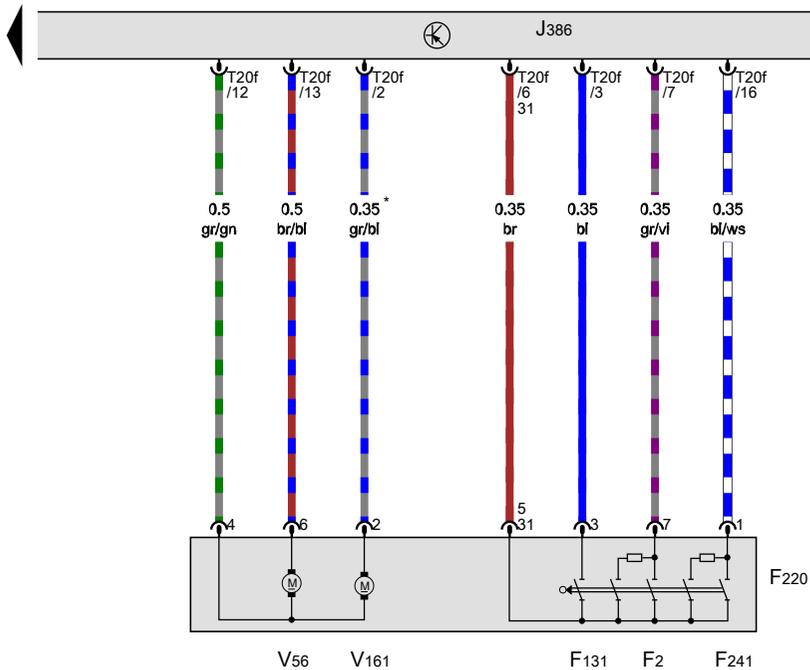
- F2 Driver door contact switch
- F131 Left front central locking system actuator
- F220 Driver central locking lock unit
- F241 Driver lock cylinder contact switch
- J386 Driver door control module
- T20f 20-pin connector
- V56 Driver door central locking system motor
- V161 Driver door central locking -SAFE- motor
- \* Not for USA



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



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

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

[8.10-04R050R11]

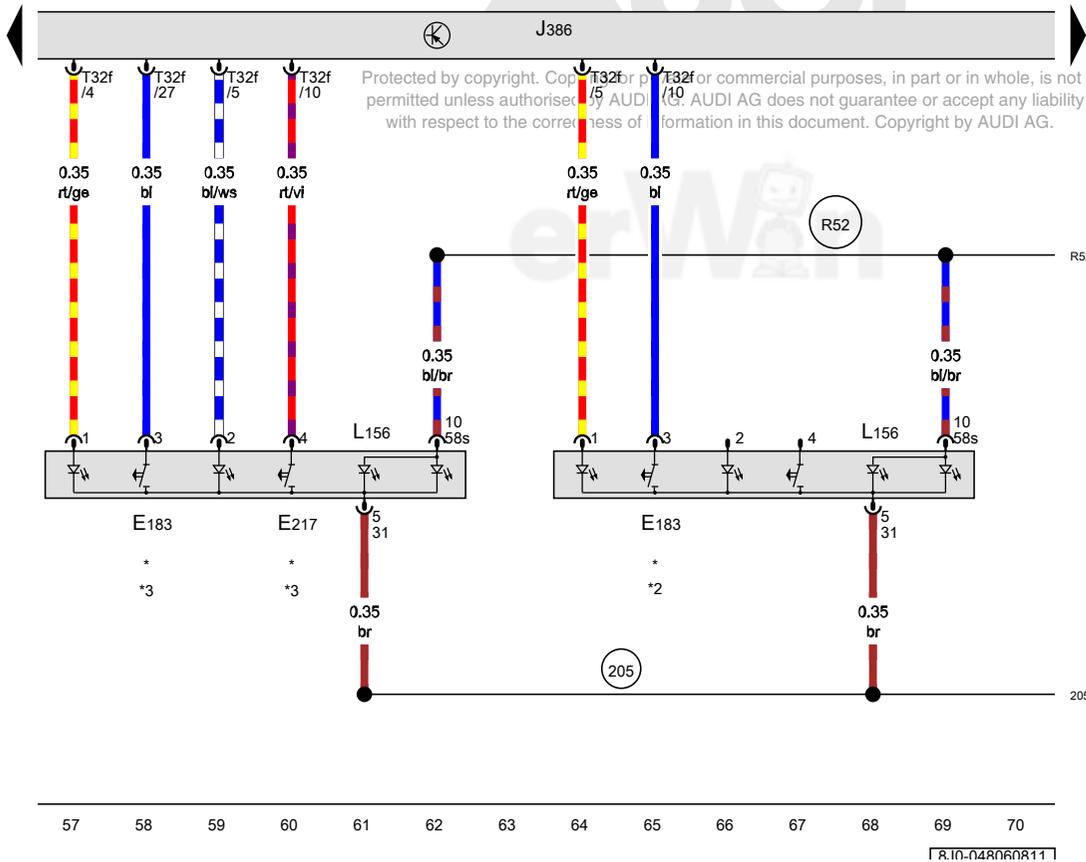
Alarm system deactivation switch, Driver door control module

- E183 Interior monitoring switch
- E217 Alarm system deactivation switch
- J386 Driver door control module
- L156 Switch illumination bulb
- T32f 32-pin connector

205 Ground connection (in driver door wiring harness)

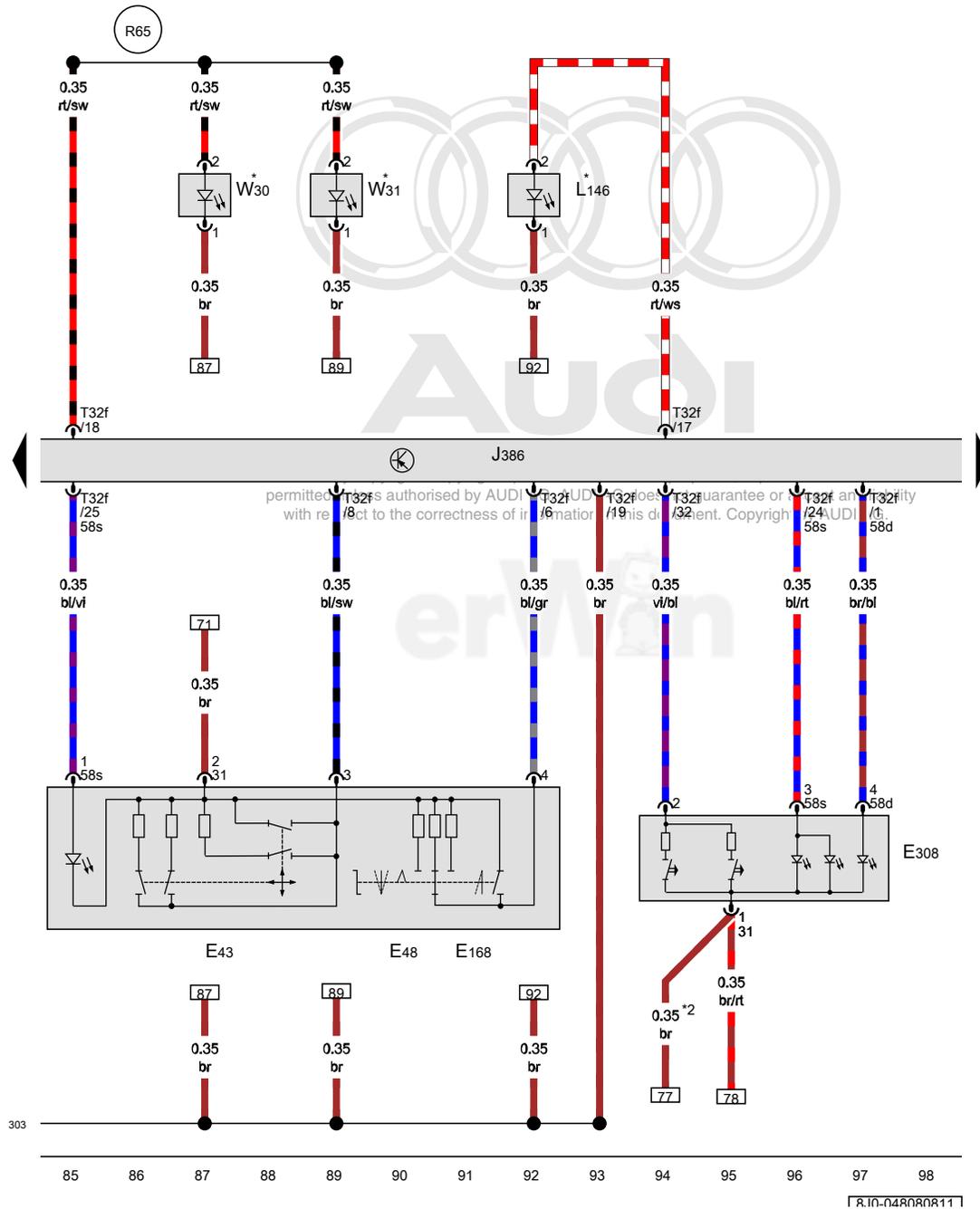
R52 Connection (58s) (in driver door wiring harness)

- \* Not for USA
- \*2 From June 2010
- \*3 Through May 2010



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





Mirror adjusting switch, Driver interior locking button, Driver door control module, Driver interior door handle illumination bulb, Driver door warning lamp, Left front entry lamp

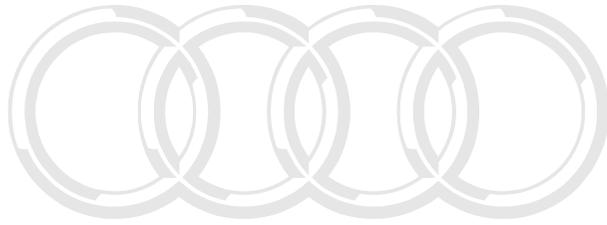
- E43 Mirror adjusting switch
- E48 Mirror selector switch
- E168 Folding mirror adjustment switch
- E308 Driver interior locking button
- J386 Driver door control module
- L146 Driver interior door handle illumination bulb
- T32f 32-pin connector
- W30 Driver door warning lamp
- W31 Left front entry lamp

303 Ground connection 3 (in driver door wiring harness)

R65 Positive connection (58) (in driver door wiring harness)

- \* Only for vehicles with auxiliary lamps
- \*2 Running change

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

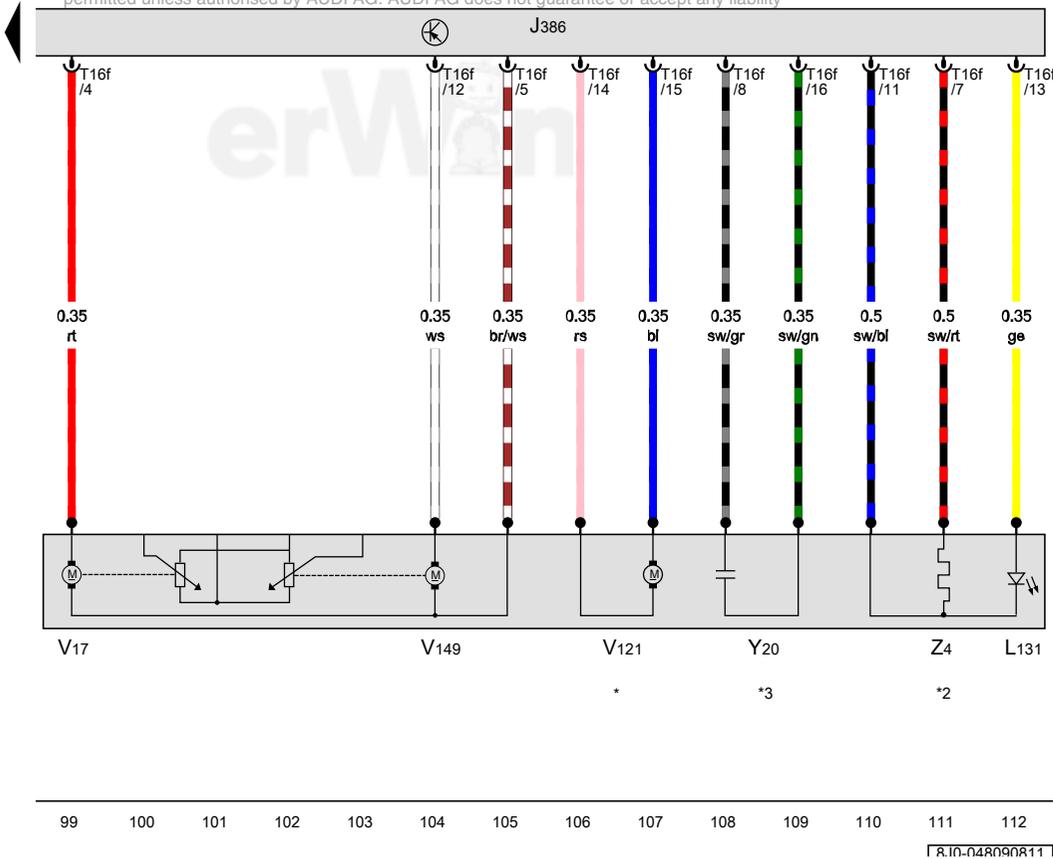


Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability

Driver door control module, Driver mirror adjustment motor

- J386 Driver door control module
- L131 Driver exterior rearview mirror turn signal bulb
- T16f 16-pin connector
- V17 Driver mirror adjustment motor
- V121 Driver exterior rearview mirror folding motor
- V149 Driver mirror adjustment motor
- Y20 Driver automatic dimming exterior rearview mirror
- Z4 Heated driver exterior rearview mirror
- \* Only for vehicles with folding mirrors
- \*2 Only for vehicles with heated exterior rearview mirrors
- \*3 Only for vehicles with automatic dimming exterior rearview mirror

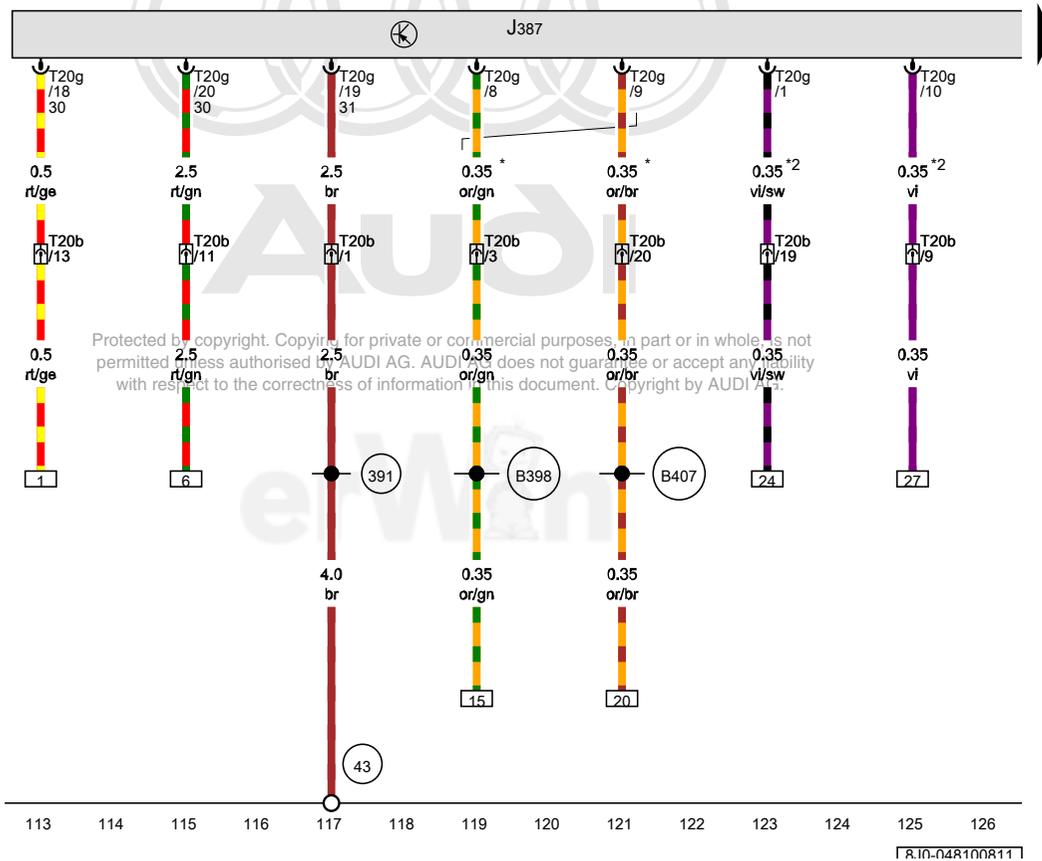


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Front passenger door control module

- J387 Front passenger door control module
- T20b 20-pin connector, in the right front door
- T20g 20-pin connector

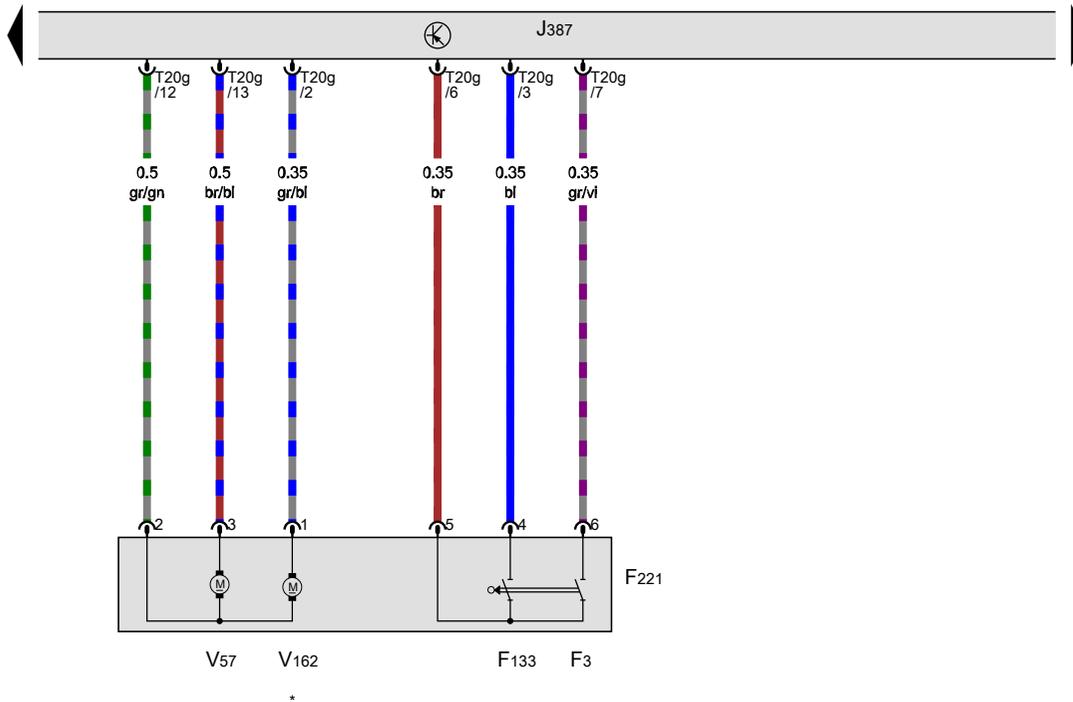
- 43 Ground connection on A-pillar, lower right
- 391 Ground connection 26 (in main wiring harness)
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- \* Data bus wire (CAN bus)
- \*2 Only for vehicles with automatic dimming interior rearview mirror



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

Front passenger central locking lock unit, Front passenger door control module

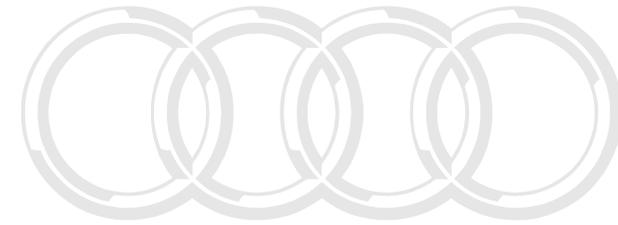
- F3 Front passenger door contact switch
- F133 Right front central locking system actuator
- F221 Front passenger central locking lock unit
- J387 Front passenger door control module
- T20g 20-pin connector
- V57 Front passenger door central locking system motor
- V162 Front passenger central locking -SAFE- motor
- \* Not for USA



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

127 128 129 130 131 132 133 134 135 136 137 138 139 140

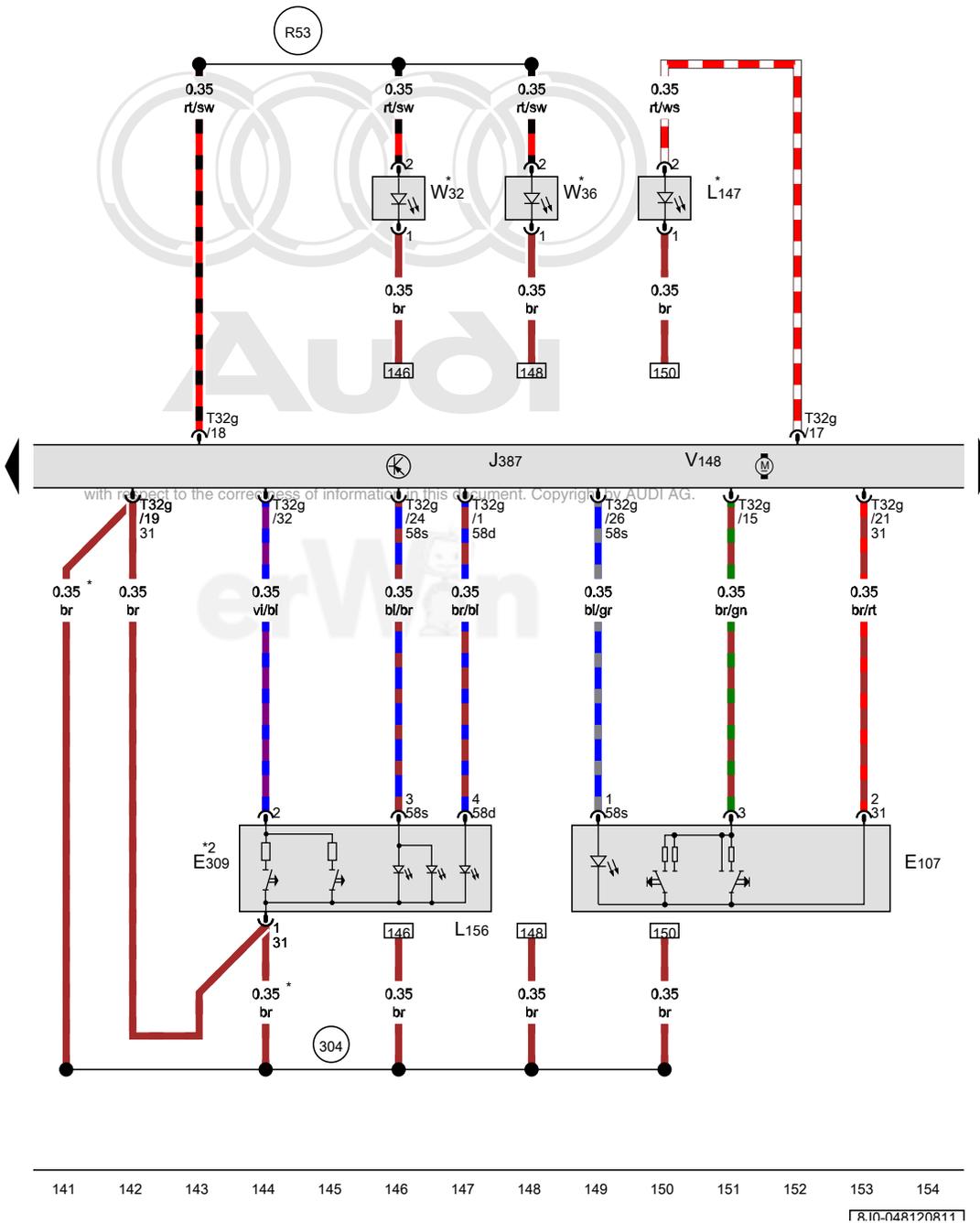
FR10-04R110R11



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Front passenger door window regulator switch, Front passenger interior locking button, Front passenger door control module, Front passenger interior door handle illumination bulb, Right front entry lamp, Front passenger door warning lamp

- E107 Front passenger door window regulator switch
- E309 Front passenger interior locking button
- J387 Front passenger door control module
- L147 Front passenger interior door handle illumination bulb
- L156 Switch illumination bulb
- T32g 32-pin connector
- V148 Front passenger window regulator motor
- W32 Right front entry lamp
- W36 Front passenger door warning lamp

304 Ground connection 3 (in front passenger door wiring harness)

R53 Connection (58s) (in front passenger door wiring harness)

- \* Only for vehicles with auxiliary lamps
- \*2 USA only

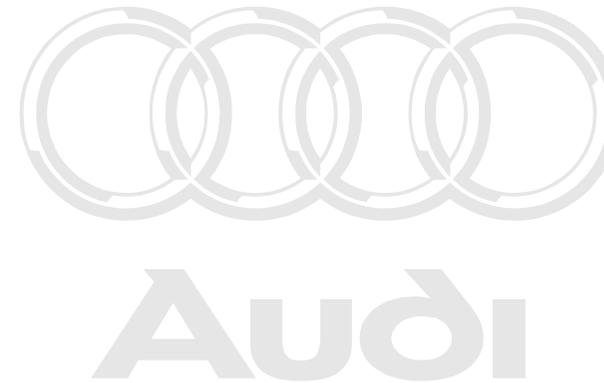
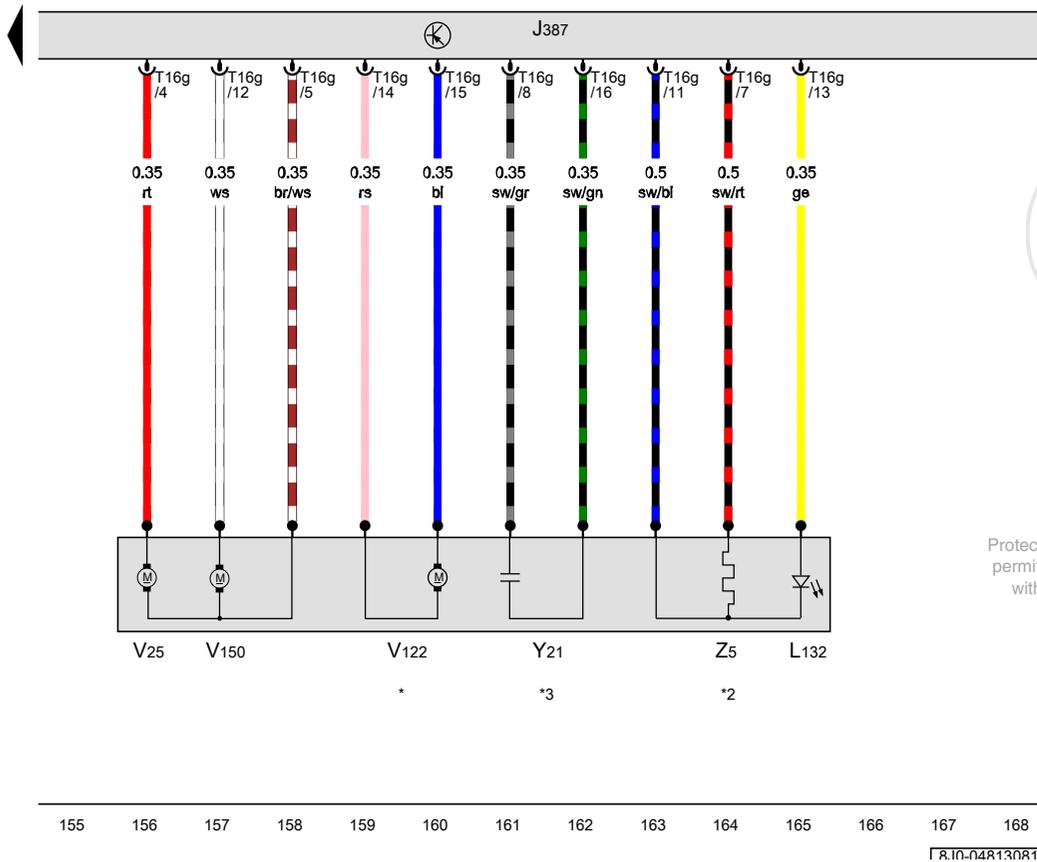
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

18.10.04R120R11

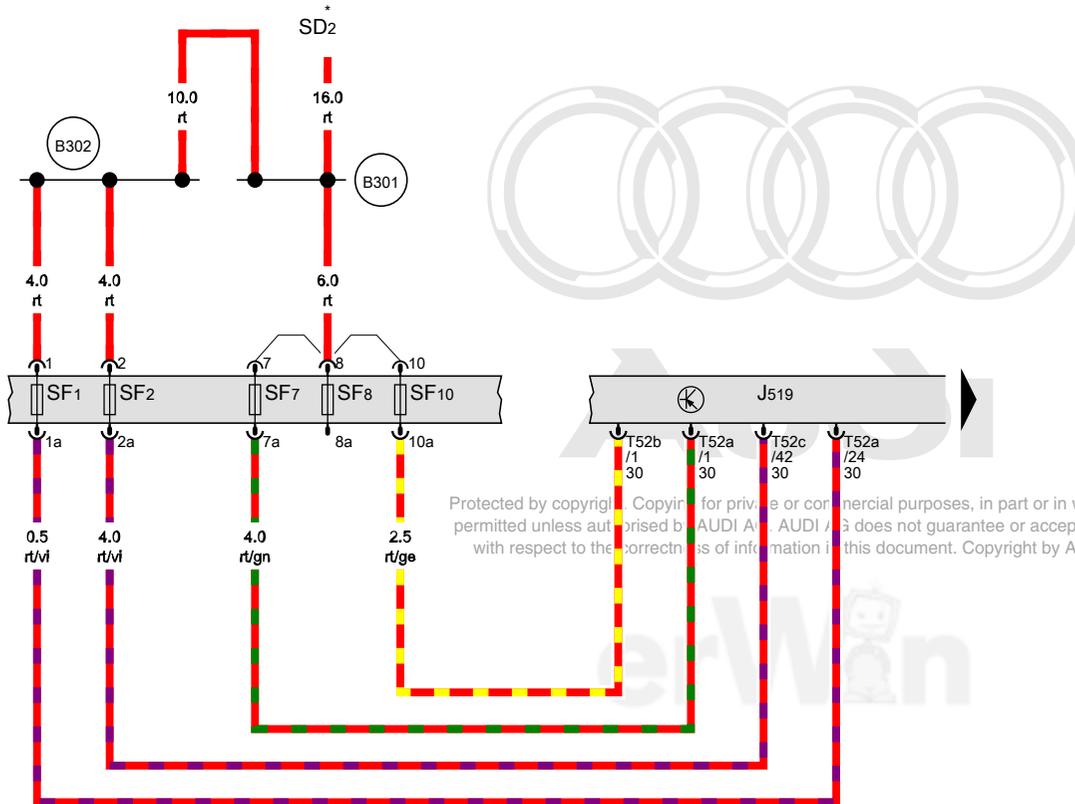
Front passenger door control module, Front passenger mirror adjustment motor, Front passenger automatic dimming exterior rearview mirror, Heated front passenger exterior rearview mirror

- J387 Front passenger door control module
- L132 Front passenger exterior rearview mirror turn signal bulb
- T16g 16-pin connector
- V25 Front passenger mirror adjustment motor
- V122 Front passenger exterior rearview mirror folding motor
- V150 Front passenger mirror adjustment motor
- Y21 Front passenger automatic dimming exterior rearview mirror
- Z5 Heated front passenger exterior rearview mirror
- \* Only for vehicles with folding mirrors
- \*2 Only for vehicles with heated exterior rearview mirrors
- \*3 Only for vehicles with automatic dimming exterior rearview mirror



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle electrical system control module

- J519 Vehicle electrical system control module
- SF1 Fuse 1 (on fuse panel F)
- SD2 Fuse 2 (on fuse panel D)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

B301 Positive connection 5 (30) (in main wiring harness)

B302 Positive connection 6 (30) (in main wiring harness)

\* Main fuse box in the right rear luggage compartment, at the battery

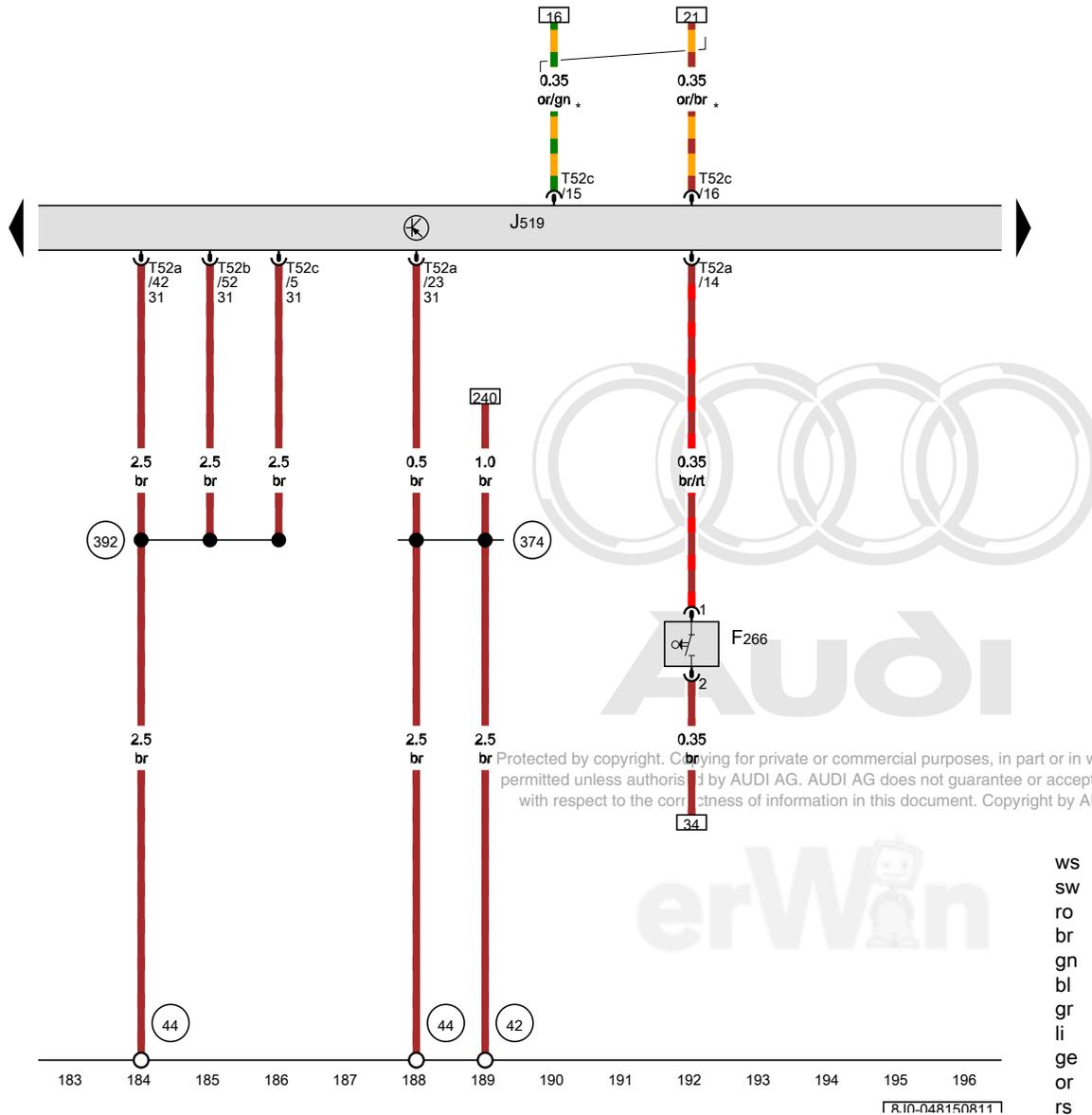
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Engine hood contact switch, Vehicle electrical system control module

- F266 Engine hood contact switch
- J519 Vehicle electrical system control module
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

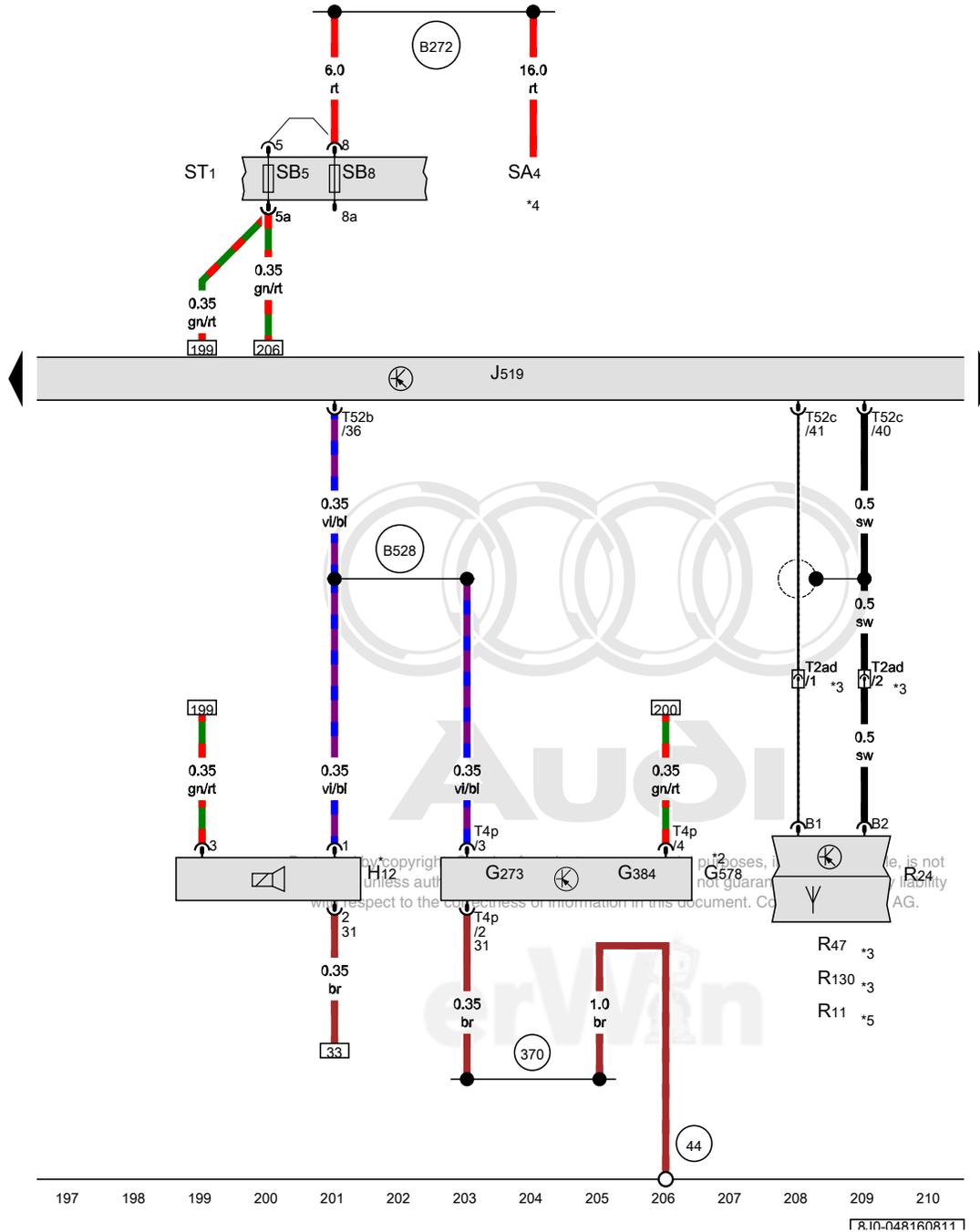
- 42 Ground connection near steering column
- 44 Ground connection on A-pillar, lower left
- 374 Ground connection 9 (in main wiring harness)
- 392 Ground connection 27 (in main wiring harness)

\* Data bus wire (CAN bus)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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



**Anti-theft alarm system sensor, Alarm horn, Vehicle electrical system control module, Central locking and anti-theft alarm system antenna**

- G273 Interior monitoring sensor
- G384 Vehicle inclination sensor
- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J519 Vehicle electrical system control module
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R130 Rear window antenna 1
- ST1 Fuse panel 1
- SA4 Fuse 4 (on fuse panel A)
- SB5 Fuse 5 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T2ad Double connector, in the luggage compartment, right
- T4p 4-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

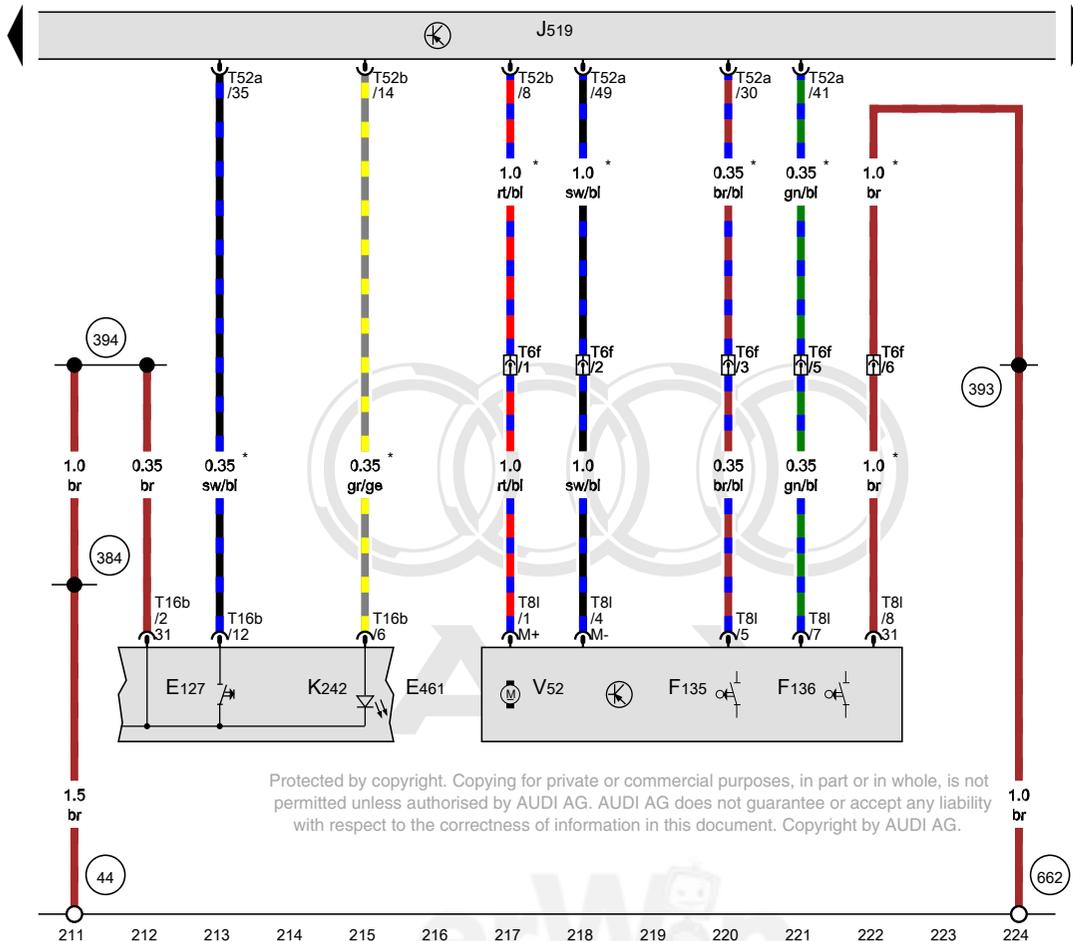
- (44) Ground connection on A-pillar, lower left
- (370) Ground connection 5 (in main wiring harness)
- (B272) Positive connection (30) (in main wiring harness)
- (B528) LIN bus connection 1 (in main wiring harness)
- \* For vehicles with anti-theft alarm system
- \*2 Anti-theft alarm system with interior monitoring
- \*3 Coupe
- \*4 Relay and fuse carrier in the engine compartment E-box
- \*5 Roadster

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

Rear spoiler adjustment switch, Vehicle electrical system control module

- E127 Rear spoiler adjustment switch
- E461 Front center console control head
- F135 Rear spoiler stop switch 1
- F136 Rear spoiler stop switch 2
- J519 Vehicle electrical system control module
- K242 Rear spoiler adjustment indicator lamp
- T6f 6-pin connector, near the left tail lamp
- T8l 8-pin connector
- T16b 16-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V52 Rear spoiler motor

- 44 Ground connection on A-pillar, lower left
- 384 Ground connection 19 (in main wiring harness)
- 393 Ground connection 28 (in main wiring harness)
- 394 Ground connection 29 (in main wiring harness)
- 662 Ground connection in left rear side panel
- \* Only for vehicles with power rear spoiler



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

[8,10-04R170R11]

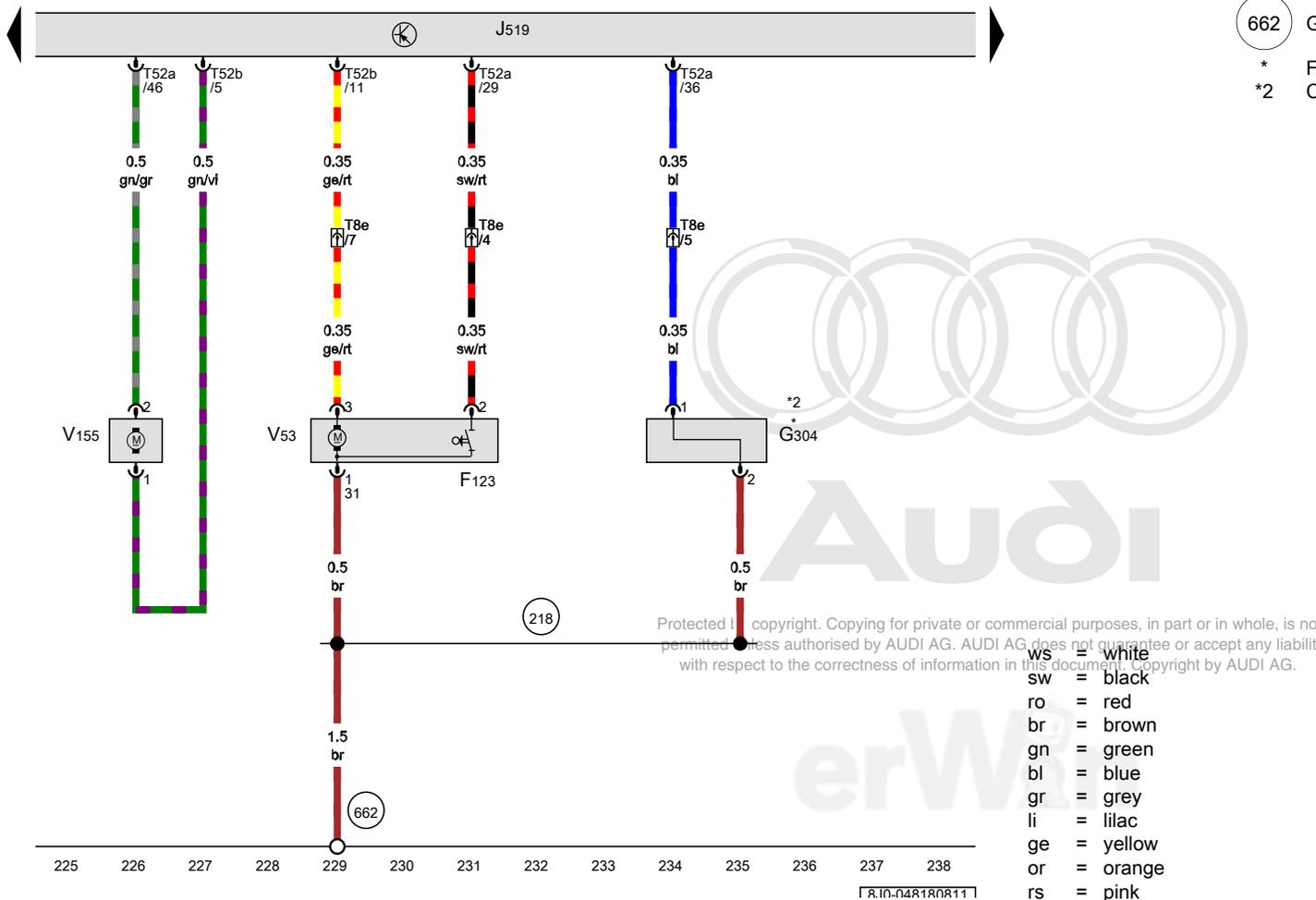
Rear lid alarm switch, Vehicle electrical system control module, Rear lid central locking system motor, Fuel filler door unlock motor

- F123 Rear lid alarm switch
- G304 Rear window breakage sensor
- J519 Vehicle electrical system control module
- T8e 8-pin connector, near the left tail lamp
- T52a 52-pin connector
- T52b 52-pin connector
- V53 Rear lid central locking system motor
- V155 Fuel filler door unlock motor

218 Ground connection 1 (in rear lid wiring harness)

662 Ground connection in left rear side panel

\* For vehicles with anti-theft alarm system  
 \*2 Coupe



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without express authorisation by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

18.10.04R1R0R11

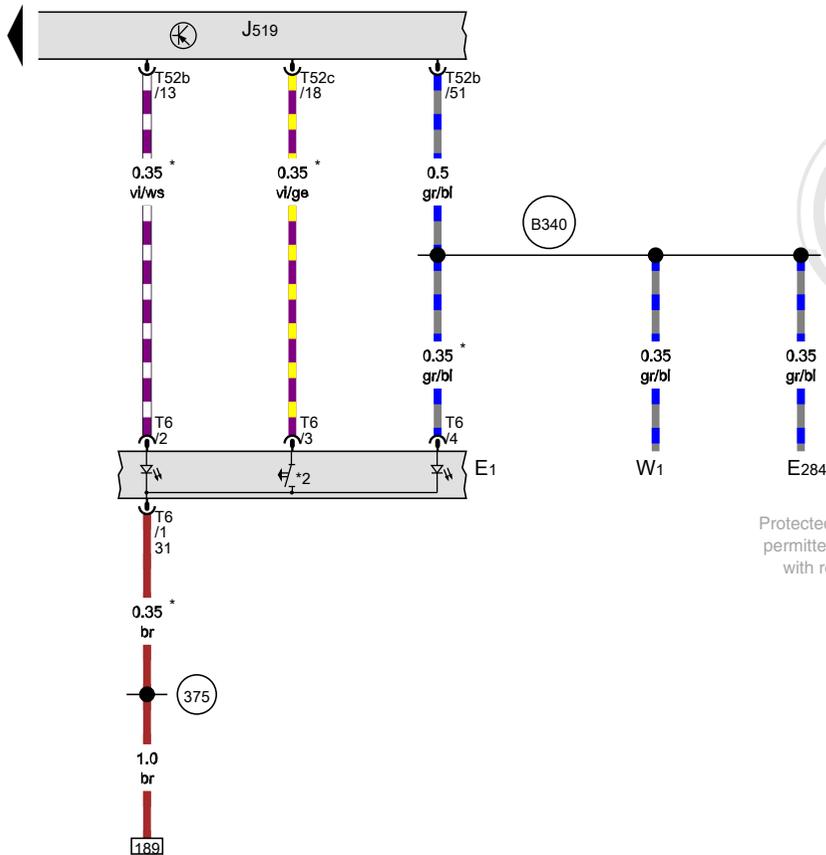
Light switch, Vehicle electrical system control module

- E1 Light switch
- E284 Garage door opener control head
- J519 Vehicle electrical system control module
- T6 6-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- W1 Front interior lamp

375 Ground connection 10 (in main wiring harness)

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

- \* Omitted as a running change
- \*2 Coming Home switch



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

## A/C

⇒ Heater (9AA)

⇒ A/C (9AK)

from June 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

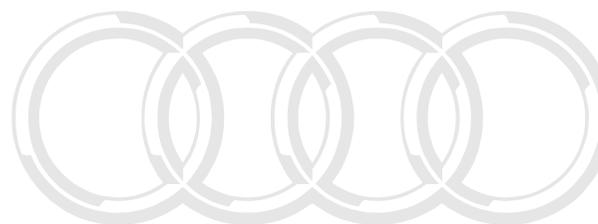
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



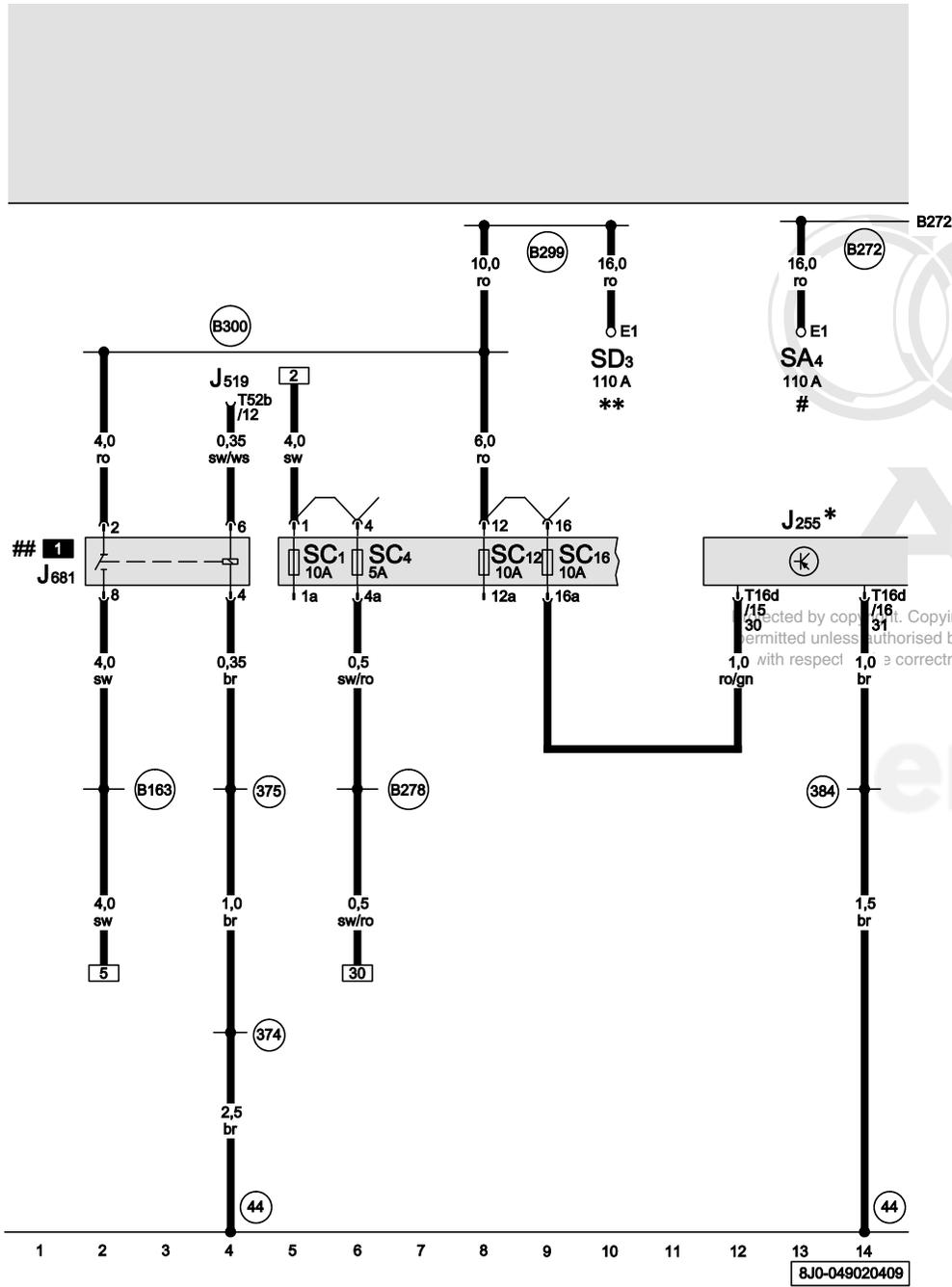
Climatronic Control Module, Fuses

- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SA4 Fuse 4 (on fuse panel A)
- SC1 Fuse 1 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 384 Ground Connection 19 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B272 Plus Connection (30) (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)

- \* A/C Control Head
- \*\* Main fuse panel, in right rear luggage compartment on battery
- # Main fuse panel electronics box, in front left engine compartment
- ## Relay Carrier on Vehicle Electrical System Control Module

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



8J0-049020409

Climatronic Control Module, Fresh Air Blower Control Module, Fresh Air Blower

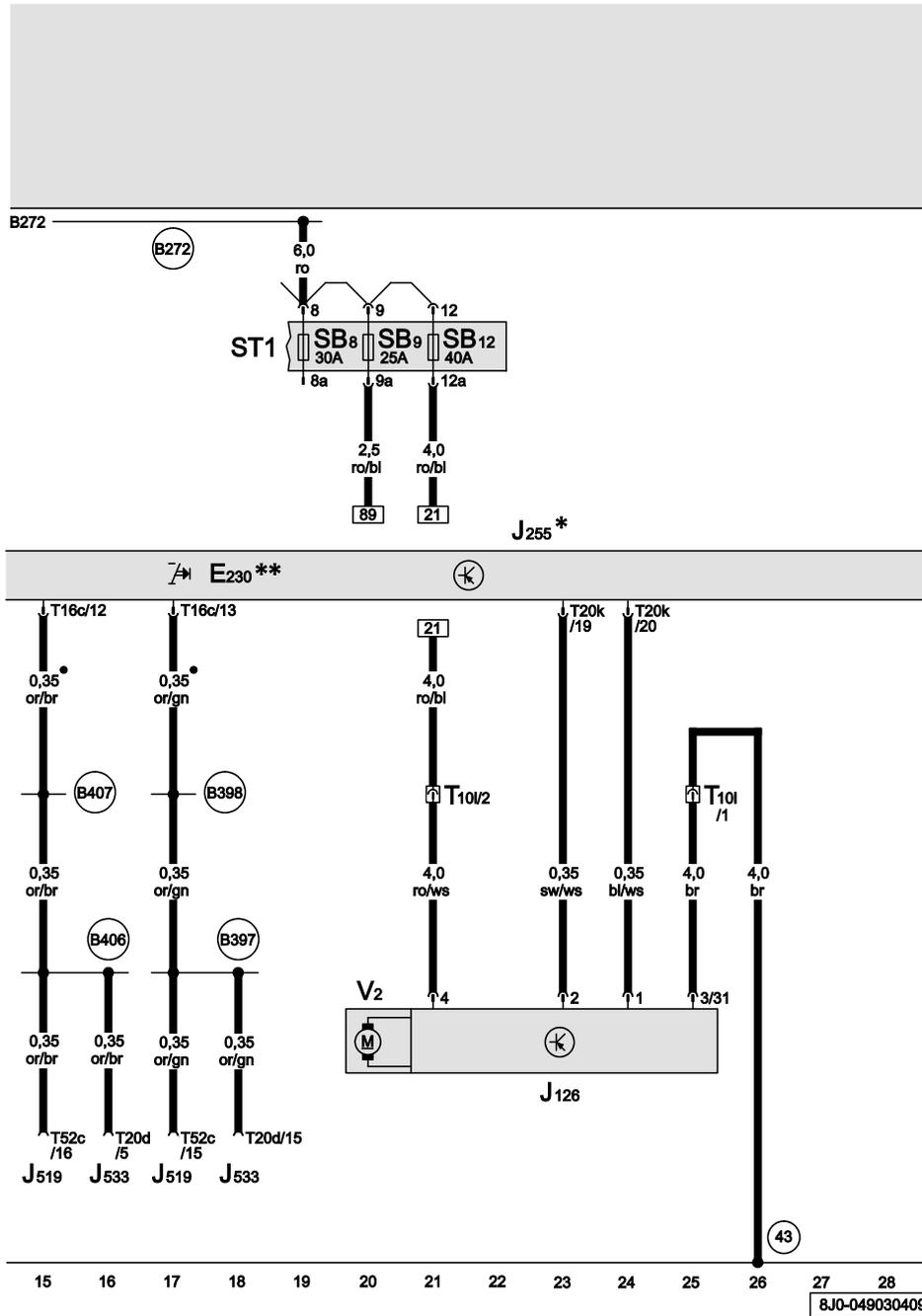
- E230 Heated Rear Window Button
- J126 Fresh Air Blower Control Module
- J255 Climatronic Control Module
- J519 Vehicle Electrical System Control Module
- J533 Data Bus On Board Diagnostic Interface
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T10l 10-Pin Connector, black, behind instrument panel, right
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V2 Fresh Air Blower

- 43 Ground Connection (on right lower A-pillar)
- B272 Plus Connection (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- CAN-Bus (data wire)
- \* A/C Control Head
- \*\* Operation for heated rear window via CAN-Bus, heated rear window → Wiring Diagrams Standard Equipment

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



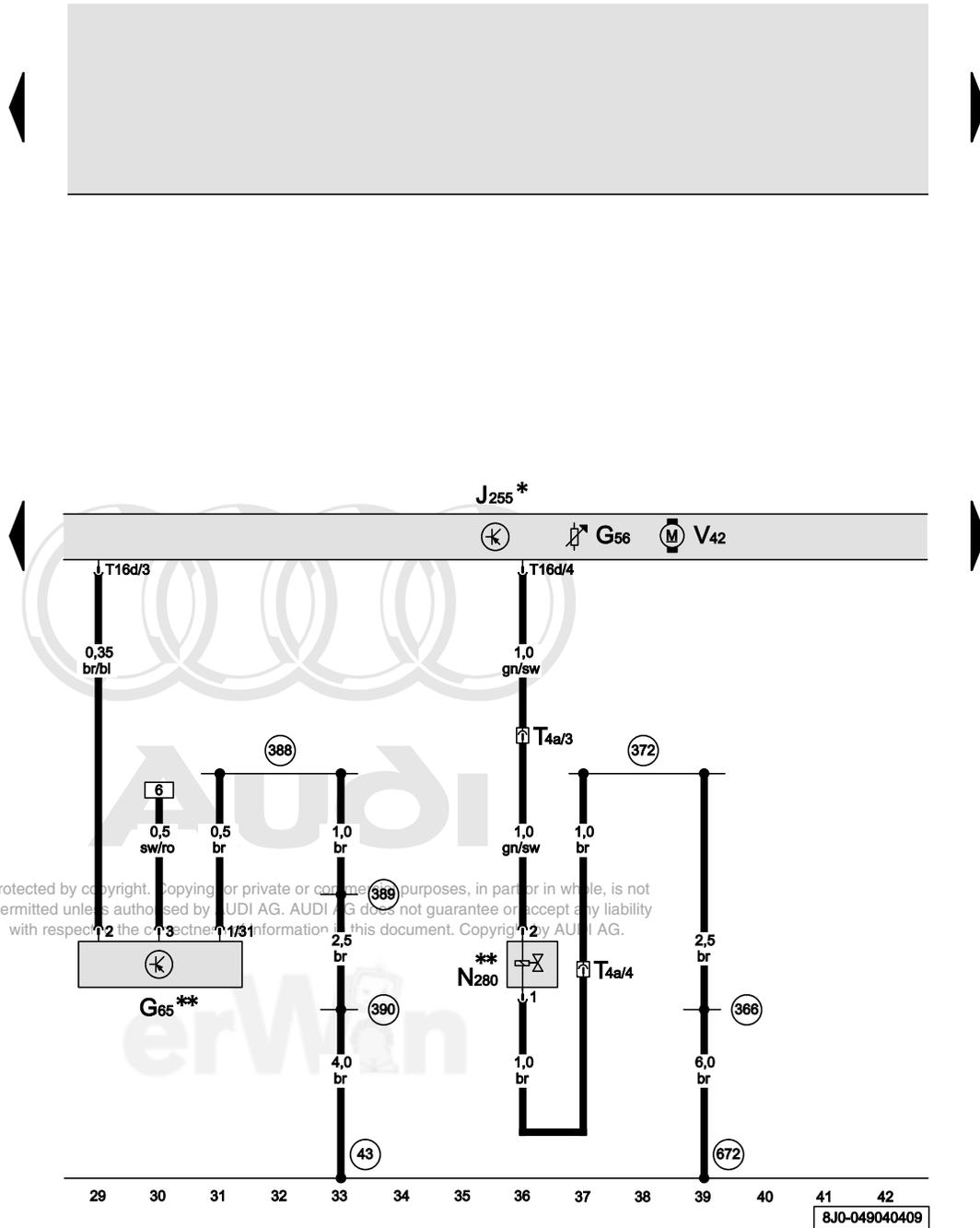
**Climatronic Control Module, Instrument Panel Interior Temperature Sensor, High Pressure Sensor, A/C Compressor Regulator Valve, Interior Temperature Sensor Fan**

- G56 Instrument Panel Interior Temperature Sensor
- G65 High Pressure Sensor
- J255 Climatronic Control Module
- N280 A/C Compressor Regulator Valve
- T4a 4-Pin Connector, black, in engine compartment, front left
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- V42 Interior Temperature Sensor Fan

- 43 Ground Connection (on right lower A-pillar)
- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 388 Ground Connection 23 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)

\* A/C Control Head  
 \*\* Not for heater 9AA

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



8J0-049040409

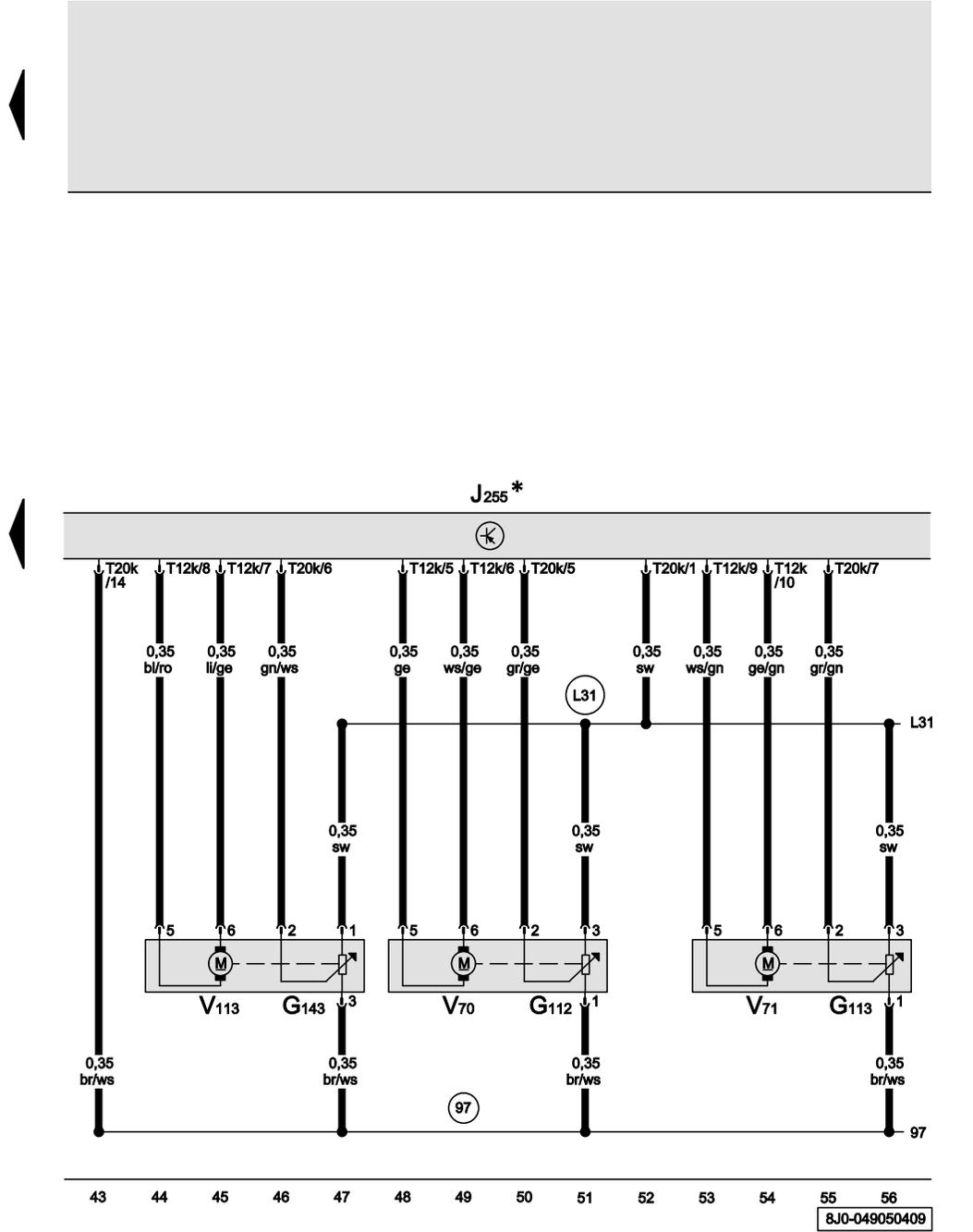
**Climatronic Control Module, Central Flap Motor Position Sensor, Back Pressure Flap Motor Position Sensor, Recirculation Flap Motor Position Sensor**

- G112 Central Flap Motor Position Sensor
- G113 Back Pressure Flap Motor Position Sensor
- G143 Recirculation Flap Motor Position Sensor
- J255 Climatronic Control Module
- T12k 12-Pin Connector (Connector A), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- V70 Central Air Flap Motor
- V71 Back Pressure Flap Motor
- V113 Recirculation Flap Motor

97 Ground Connection 1 (in A/C wiring harness)

L31 Connection (5 Volts) (in A/C wiring harness)

\* A/C Control Head



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Climatronic Control Module, Defroster Flap Motor Position Sensor, Left Temperature Flap Potentiometer/Actuator, Right Temperature Flap Potentiometer/Actuator

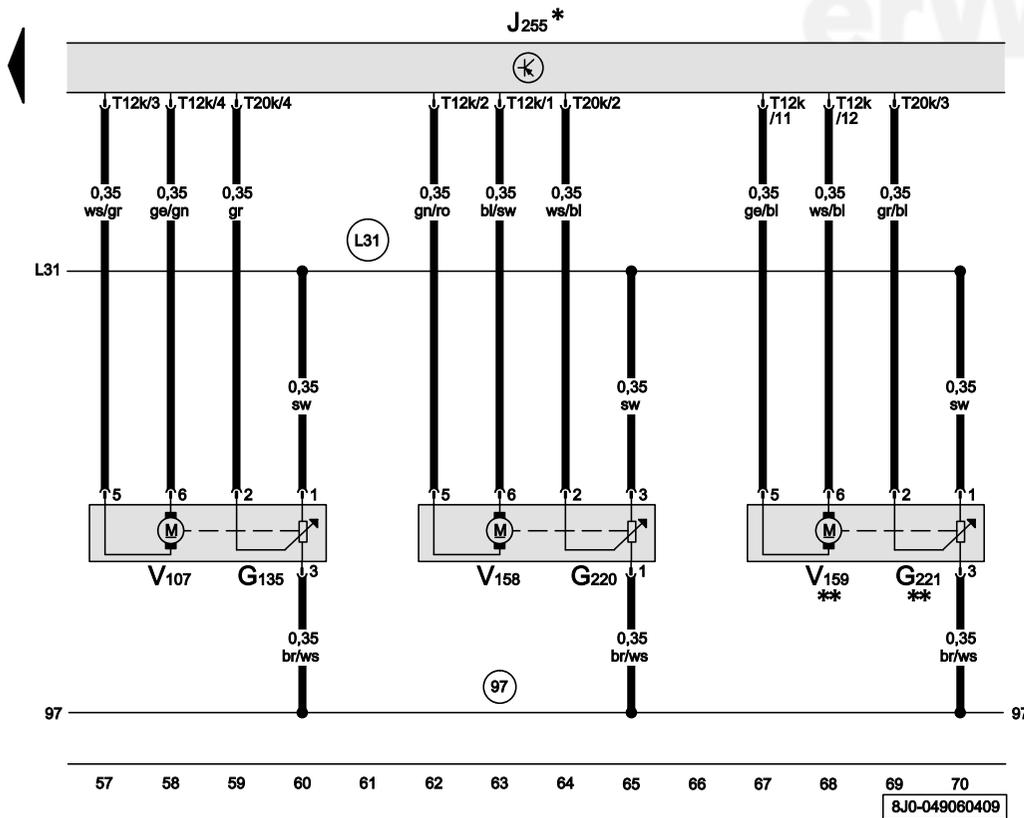
- G135 Defroster Flap Motor Position Sensor
- G220 Left Temperature Flap Potentiometer/Actuator
- G221 Right Temperature Flap Potentiometer/Actuator
- J255 Climatronic Control Module
- T12k 12-Pin Connector (Connector A), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module
- V107 Defroster Flap Motor
- V158 Left Temperature Flap Motor
- V159 Right Temperature Flap Motor

97 Ground Connection 1 (in A/C wiring harness)

L31 Connection (5 Volts) (in A/C wiring harness)

\* A/C Control Head  
 \*\* Not for heater 9AA

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

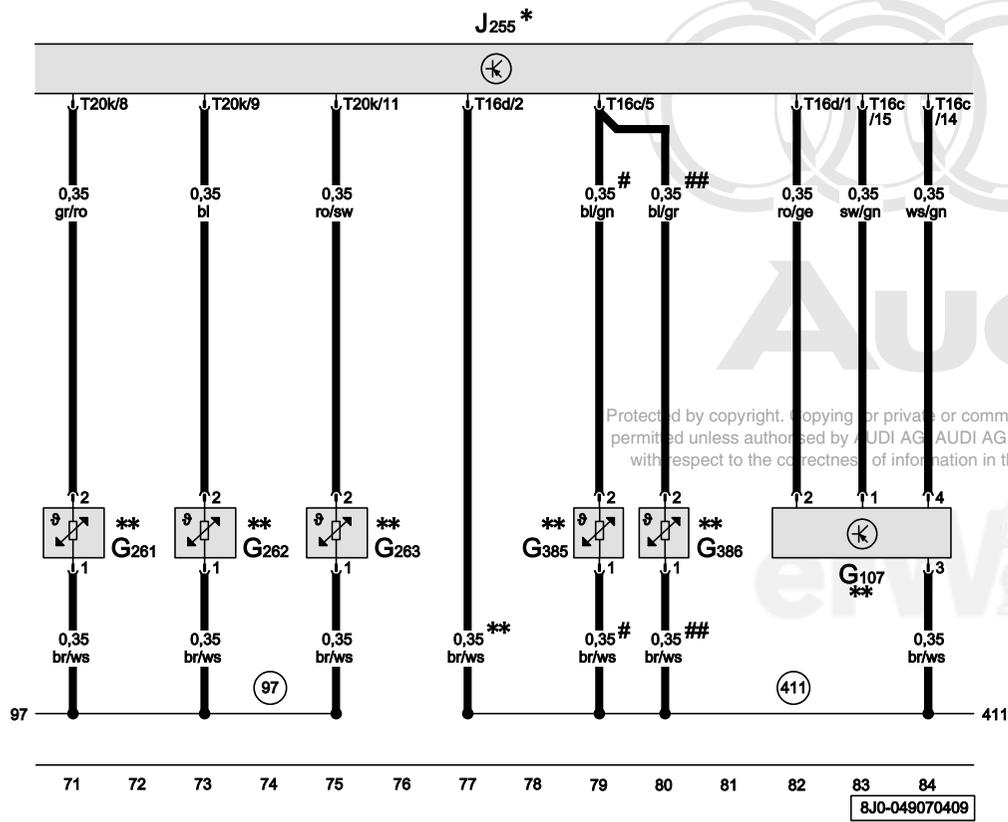
8J0-049060409

**Climatronic Control Module, Sunlight Photo Sensor, Left and Right Footwell Vent Temperature Sensor, Evaporator Vent Temperature Sensor, Left Front and Right Front Upper Body Outlet Temperature Sensor**

- G107 Sunlight Photo Sensor
- G261 Left Footwell Vent Temperature Sensor
- G262 Right Footwell Vent Temperature Sensor
- G263 Evaporator Vent Temperature Sensor
- G385 Left Front Upper Body Outlet Temperature Sensor
- G386 Right Front Upper Body Outlet Temperature Sensor
- J255 Climatronic Control Module
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- T20k 20-Pin Connector (Connector B), on Climatronic control module

- 97 Ground Connection 1 (in A/C wiring harness)
- 411 Sensor Ground Connection 2 (in main wiring harness)

- \* A/C Control Head
- \*\* Not for heater 9AA
- # Only left-hand drive
- ## Only right-hand drive



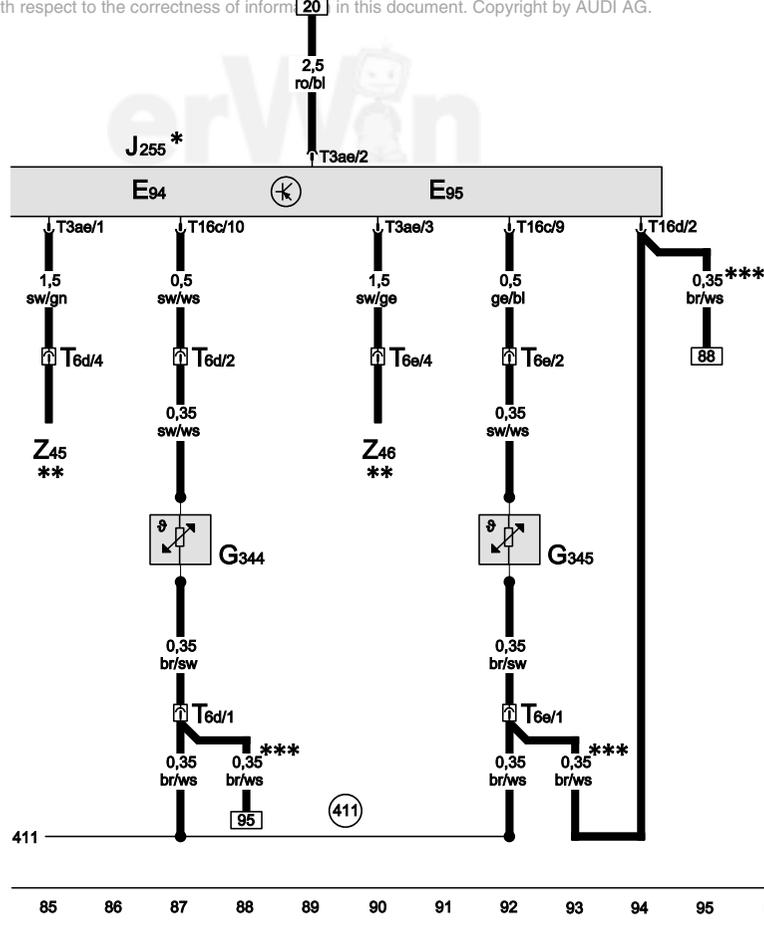
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

**Climatronic Control Module, Driver's and Front Passenger's Heated Seat Adjuster, Left and Right Front Seat Temperature Sensor, Front Left and Right Heated Seat**

- E94 Driver's Heated Seat Adjuster
- E95 Front Passenger's Heated Seat Adjuster
- G344 Left Front Seat Temperature Sensor
- G345 Right Front Seat Temperature Sensor
- J255 Climatronic Control Module
- T3ae 3-Pin Connector, black (Connector E), on Climatronic control module
- T6d 6-Pin Connector, green, below driver's seat
- T6e 6-Pin Connector, green, below front passenger's seat
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T16d 16-Pin Connector, black (Connector D), on Climatronic control module
- Z45 Front Left Heated Seat
- Z46 Front Right Heated Seat
- 411 Sensor Ground Connection 2 (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of inform [20] in this document. Copyright by AUDI AG.



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

## CAN-Bus Wiring

from June 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground connections

⇒ Component Locations

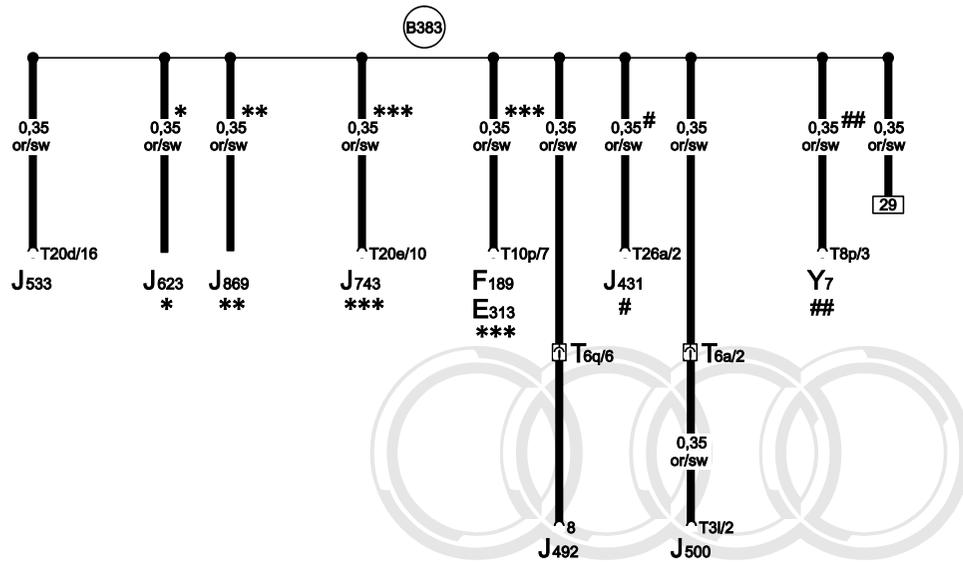
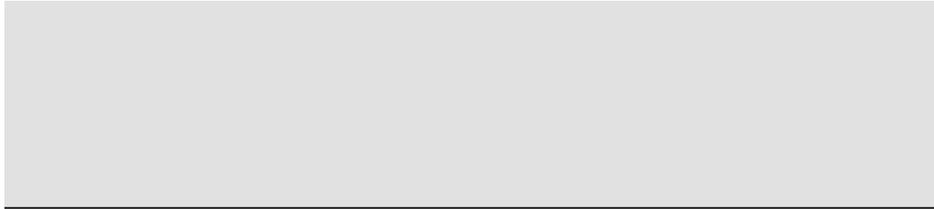
Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Powertrain CAN-Bus High 1

- E313 Selector Lever
- F189 Tiptronic Switch
- J431 Headlamp Range Control Module
- J492 All-Wheel Drive Control Module
- J500 Power Steering Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- J869 Structure-Borne Sound Control Module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T8p 8-Pin Connector, black, on interior mirror
- T10p 10-Pin Connector, on Tiptronic switch
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T26a 26-Pin Connector, black, on headlamp range control module
- Y7 Automatic Day/Night Interior Mirror

**B383** Powertrain CAN-Bus High Connection 1 (in main wiring harness)

- \* ⇒ Wiring Diagram Engine
- \*\* 2.0L diesel engine
- \*\*\* Models with direct shift gearbox
- # Models with automatic headlamp range control and cornering lamp
- ## Models with high beam assist



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

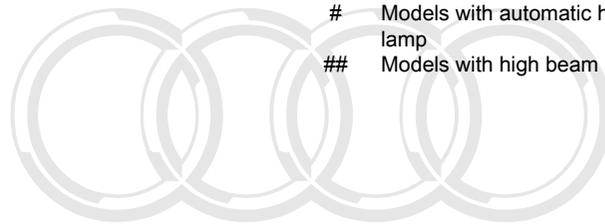
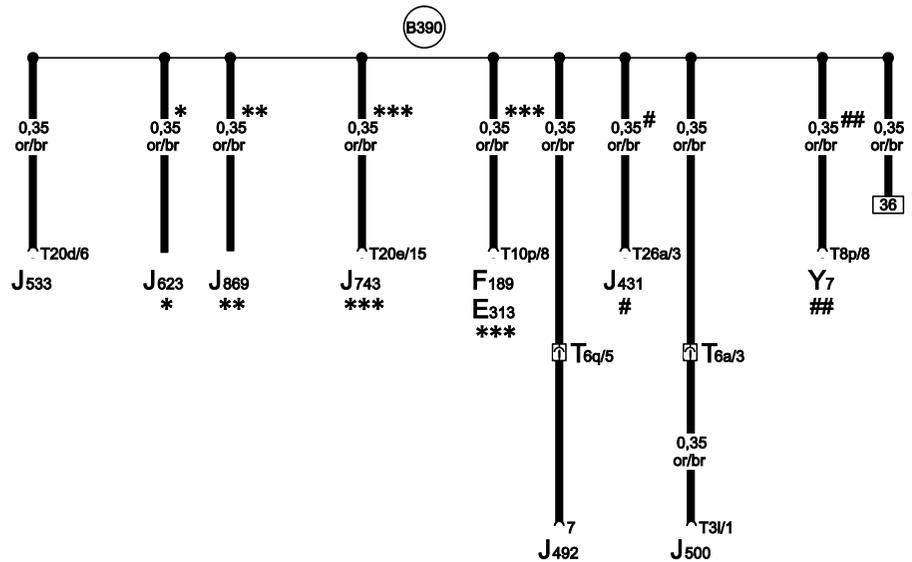
- WS = white
- SW = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Powertrain CAN-Bus Low 1

- E313 Selector Lever
- F189 Tiptronic Switch
- J431 Headlamp Range Control Module
- J492 All-Wheel Drive Control Module
- J500 Power Steering Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J743 Direct Shift Gearbox (DSG) Mechatronic
- J869 Structure-Borne Sound Control Module
- T3l 3-Pin Connector (Connector C), on power steering control module
- T6a 6-Pin Connector, black, in engine compartment, front left
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T8p 8-Pin Connector, black, on interior mirror
- T10p 10-Pin Connector, on Tiptronic switch
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20e 20-Pin Connector, on Direct Shift Gearbox (DSG) Mechatronic
- T26a 26-Pin Connector, black, on headlamp range control module
- Y7 Automatic Day/Night Interior Mirror

(B390) Powertrain CAN-Bus Low Connection 1 (in main wiring harness)

- \* ⇒ Wiring Diagram Engine
- \*\* 2.0L diesel engine
- \*\*\* Models with direct shift gearbox
- # Models with automatic headlamp range control and cornering lamp
- ## Models with high beam assist



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

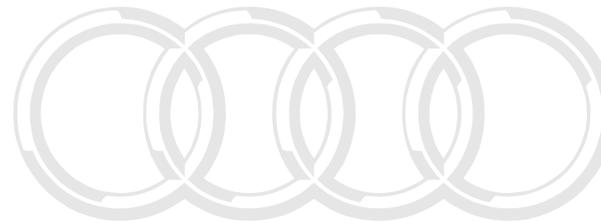
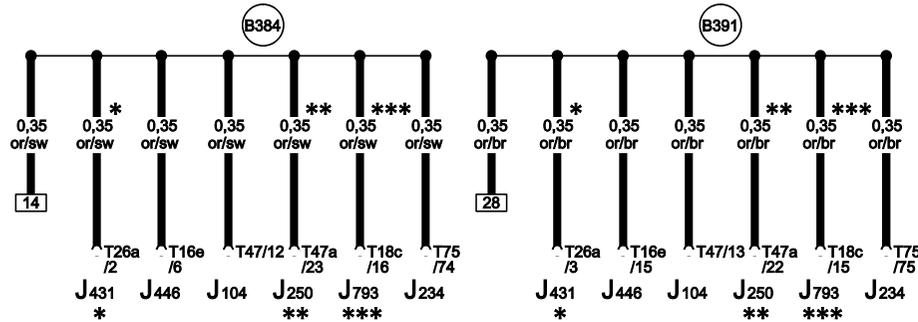
15 16 17 18 19 20 21 22 23 24 25 26 27 28

8J0-050030409

Powertrain CAN-Bus High 2, Powertrain CAN-Bus Low 2

- J104 ABS Control Module
- J234 Airbag Control Module
- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J446 Parking Aid Control Module
- J793 Tire Pressure Monitoring Control Module 2
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T18c 18-Pin Connector, black, on tire pressure monitoring control module 2
- T26a 26-Pin Connector, black, on headlamp range control module
- T47 47-Pin Connector, on ABS control module
- T47a 47-Pin Connector, on electronic damping control module
- T75 75-Pin Connector, yellow, on airbag control module

- B384** Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B391** Powertrain CAN-Bus Low Connection 2 (in main wiring harness)
- \* Models with manual and automatic headlamp range control without cornering lamp
- \*\* Models with electronic damping
- \*\*\* Models with tire pressure monitoring



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

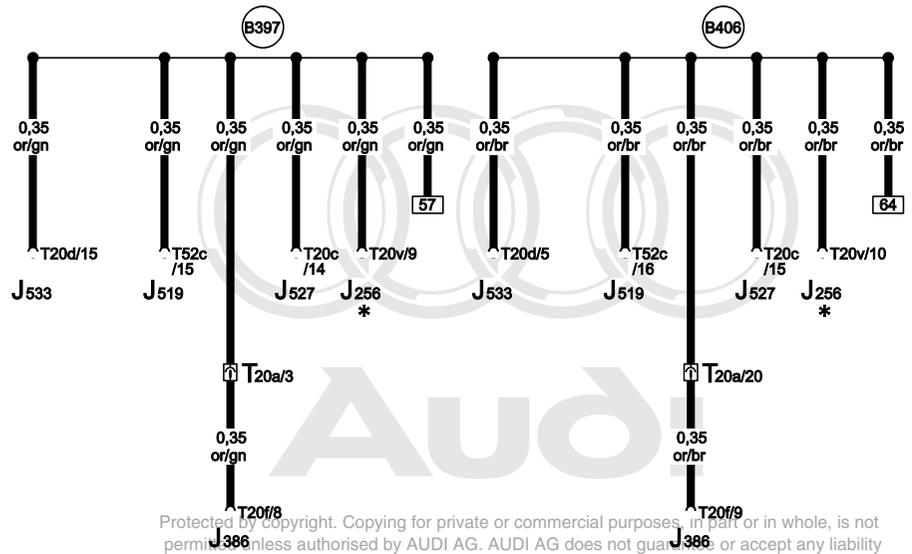
Comfort System CAN-Bus High 1, Comfort System CAN-Bus Low 1

- J256 Convertible Top Control Module
- J386 Driver's Door Control Module
- J519 Vehicle Electrical System Control Module
- J527 Steering Column Electronic Systems Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20a 20-Pin Connector, black, on front left door
- T20c 20-Pin Connector, black (Connector A), on steering column electronic systems control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20f 20-Pin Connector, black (Connector A), on driver's door control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

(B397) Comfort System CAN-Bus High Connection 1 (in main wiring harness)

(B406) Comfort System CAN-Bus Low Connection 1 (in main wiring harness)

\* Roadster with power convertible top



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Comfort System CAN-Bus High 2, Comfort System CAN-Bus Low 2

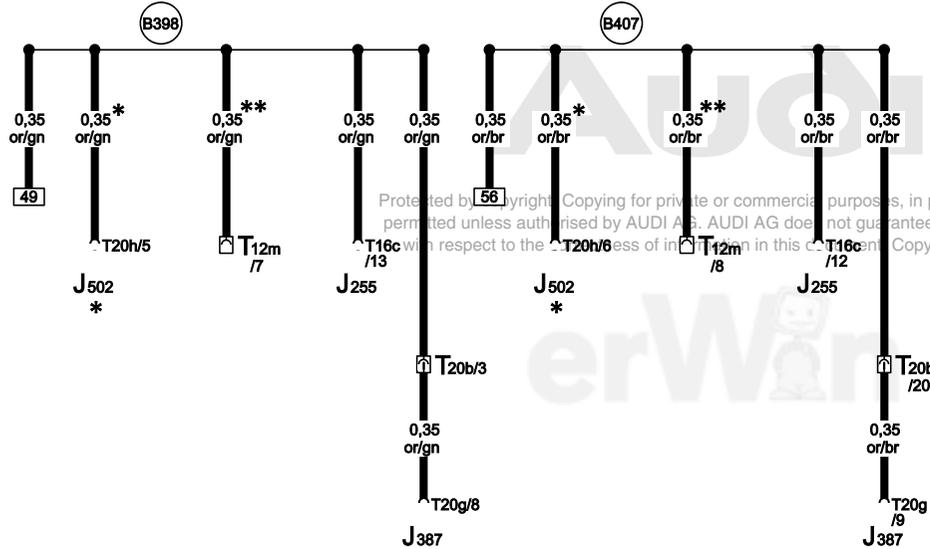
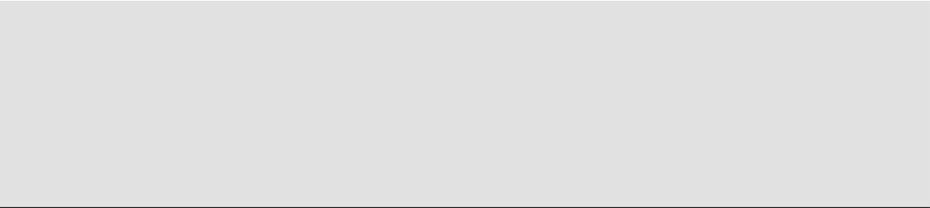
- J255 Climatronic Control Module
- J387 Front Passenger's Door Control Module
- J502 Tire Pressure Monitoring Control Module
- T12m 12-Pin Connector, brown, in rear right luggage compartment
- T16c 16-Pin Connector, brown (Connector C), on Climatronic control module
- T20b 20-Pin Connector, black, on front right door
- T20g 20-Pin Connector (Connector A), on front passenger's door control module
- T20h 20-Pin Connector, red, on tire pressure monitoring control module 2

(B398) Comfort System CAN-Bus High Connection 2 (in main wiring harness)

(B407) Comfort System CAN-Bus Low Connection 2 (in main wiring harness)

\* Only USA

\*\* Models with special functions interface

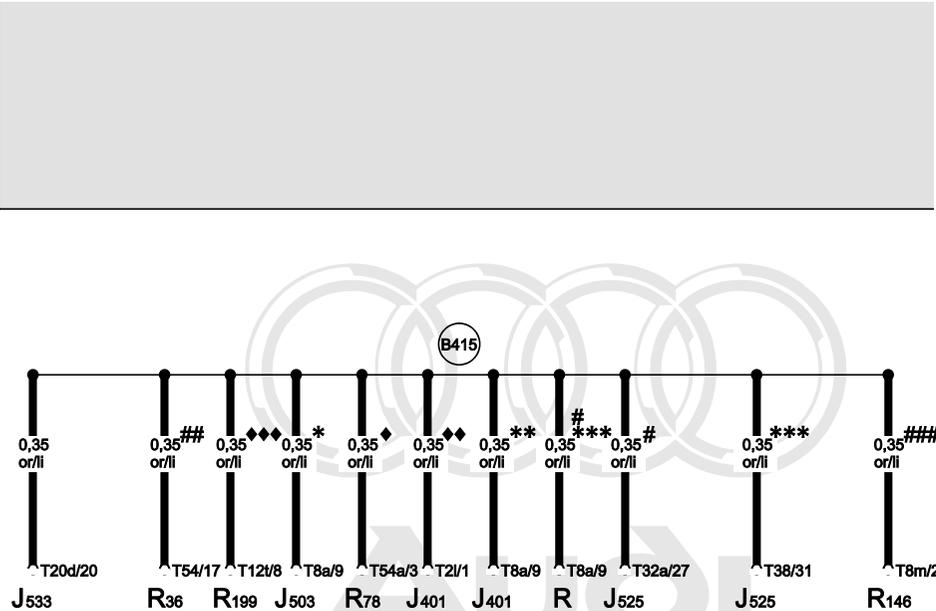


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Infotainment CAN-Bus High 1

- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- J533 Data Bus On Board Diagnostic Interface
- R Radio
- R36 Telephone Transceiver
- R78 TV Tuner
- R146 Satellite Radio
- R199 External Audio Source Connector
- T2l Double Connector, black (Connector CAN), on navigation system control module with CD drive
- T8a 8-Pin Connector, black, radio connector D
- T8m 8-Pin Connector, on satellite radio
- T12t 12-Pin Connector, black, behind instrument panel, right
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- T54a 54-Pin Connector, on TV Tuner
- B415** Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- \* Navigation System RNS-Low (7Q9)
- \*\* Navigation System RNS-E (7Q2)
- \*\*\* Radio with Standard Soundsystem (9VD)
- # Radio with Soundsystem BOSE (8RY)
- ## Models with cellular telephone preparation (9ZF)
- ### Only USA
- ◆ Models with TV Tuner
- ◆◆ Models with navigation system (7Q4)
- ◆◆◆ Models with Audi Music Interface (UF7)



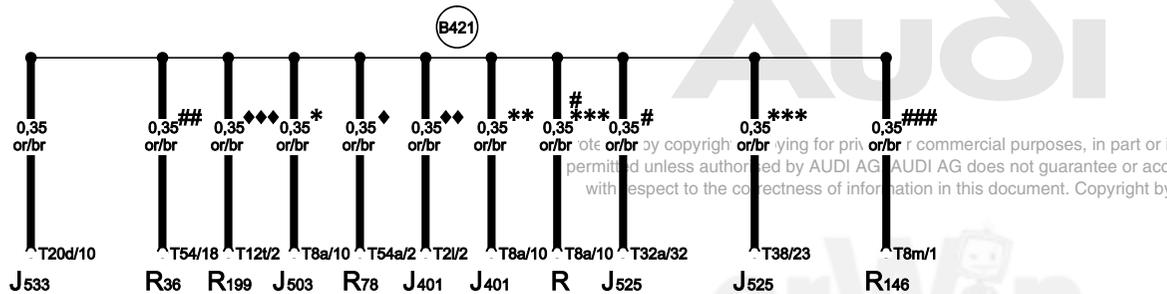
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

Infotainment CAN-Bus Low 1

- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- J525 Digital Sound System Control Module
- J533 Data Bus On Board Diagnostic Interface
- R Radio
- R36 Telephone Transceiver
- R78 TV Tuner
- R146 Satellite Radio
- R199 External Audio Source Connector
- T2I Double Connector, black (Connector CAN), on navigation system control module with CD drive
- T8a 8-Pin Connector, black, radio connector D
- T8m 8-Pin Connector, on satellite radio
- T12t 12-Pin Connector, black, behind instrument panel, right
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T32a 32-Pin Connector, black, on digital sound system control module
- T38 38-Pin Connector, black, on digital sound system control module
- T54 54-Pin Connector (Connector A), on telephone transceiver
- T54a 54-Pin Connector, on TV Tuner
- B421** Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- \* Navigation System RNS-Low (7Q9)
- \*\* Navigation System RNS-E (7Q2)
- \*\*\* Radio with Standard Soundsystem (9VD)
- # Radio with Soundsystem BOSE (8RY)
- ## Models with cellular telephone preparation (9ZF)
- ### Only USA
- ◆ Models with TV Tuner
- ◆◆ Models with navigation system (7Q4)
- ◆◆◆ Models with Audi Music Interface (UF7)



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

## Power Convertible Top

⇒ Electrical Wind Deflector

⇒ Rear Window Heating

from June 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

◆ Ground Connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

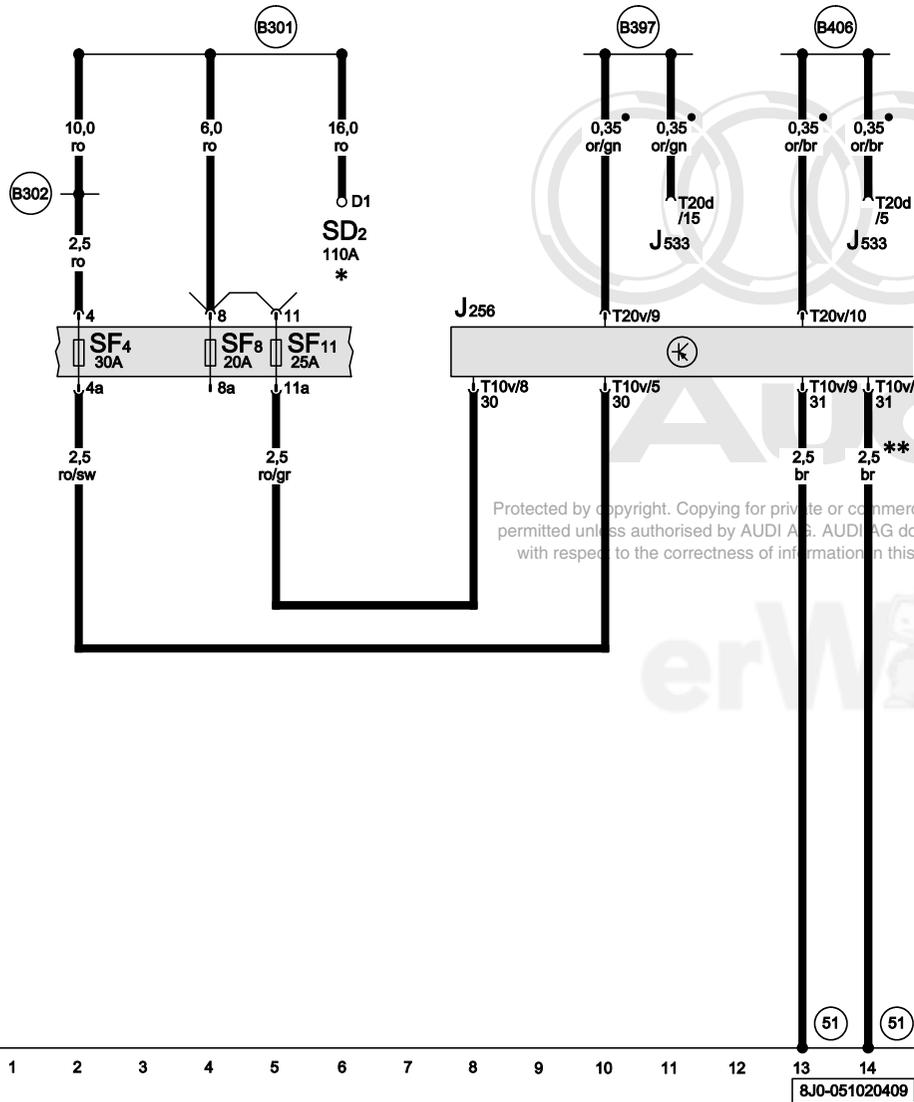
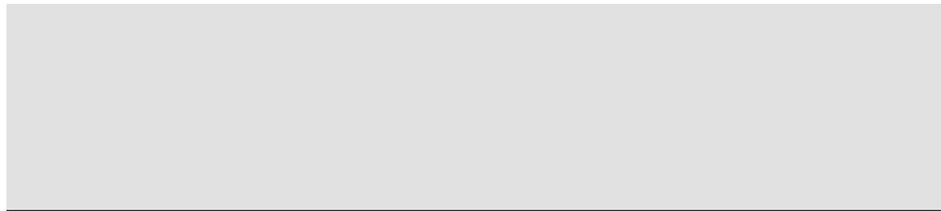
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Convertible Top Control Module, Fuses

- J256 Convertible Top Control Module
- J533 Data Bus On Board Diagnostic Interface
- SD2 Fuse 2 (on fuse panel D)
- SF4 Fuse 4 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T20v 20-Pin Connector, red (Connector B), on convertible top control module

- 51 Ground Connection (in luggage compartment, right)
- B301 Plus Connection 5 (30) (in main wiring harness)
- B302 Plus Connection 6 (30) (in main wiring harness)
- B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)
- B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Manual convertible top



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

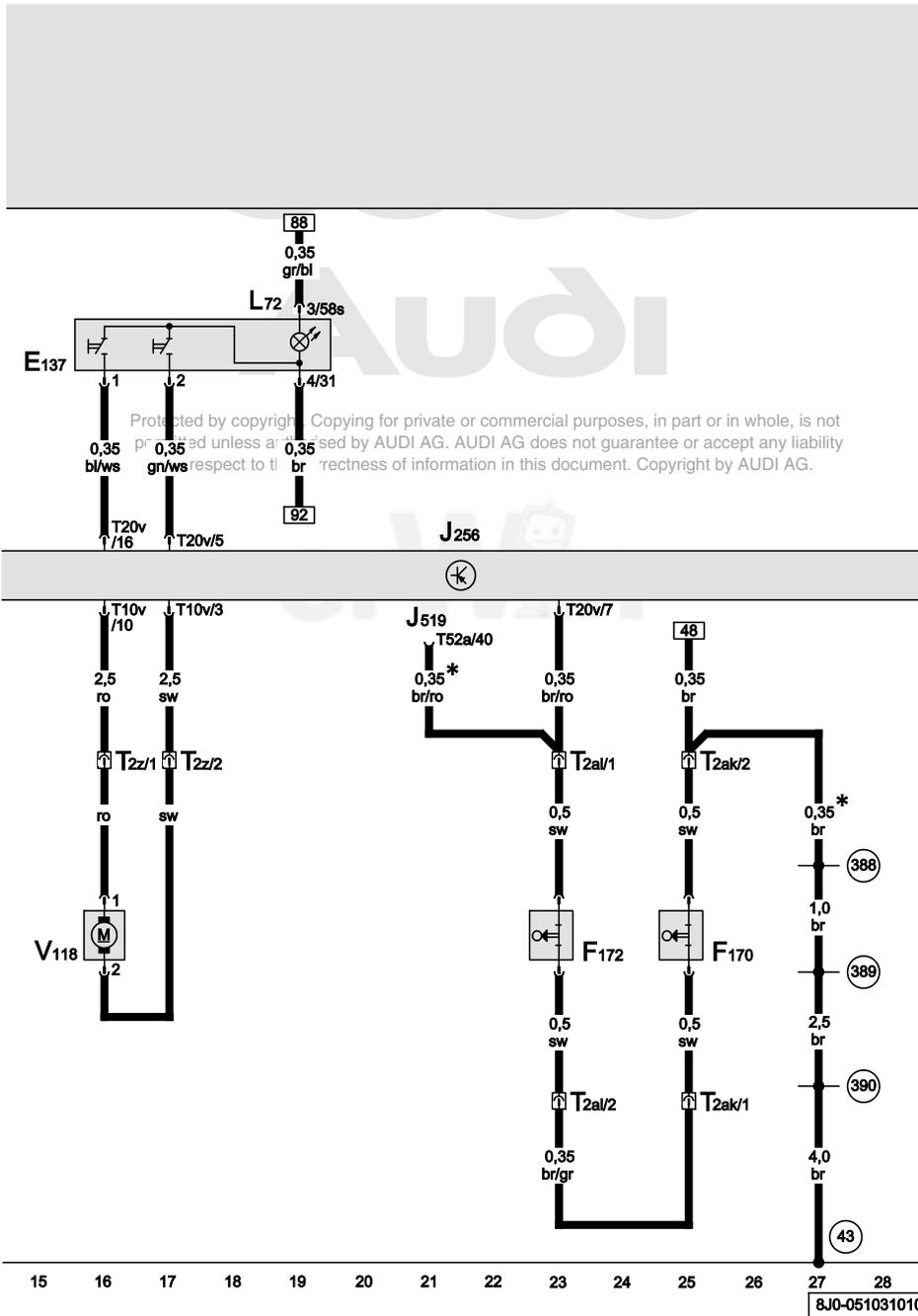
Convertible Top Control Module, Convertible Top Right and Front Lock Switch, Convertible Top Operation Switch, Convertible Top Switch Illumination, Convertible Top Hydraulic Pump

- E137 Convertible Top Operation Switch
- F170 Convertible Top Right Lock Switch
- F172 Convertible Top Front Lock Switch
- J256 Convertible Top Control Module
- J519 Vehicle Electrical System Control Module
- L72 Convertible Top Switch Illumination
- T2z Double Connector, black, in left rear side panel
- T2ak Double Connector, black, A-pillar, right
- T2al Double Connector, black, A-pillar, left
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- V118 Convertible Top Hydraulic Pump

- 43 Ground Connection (on right lower A-pillar)
- 388 Ground Connection 23 (in main wiring harness)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)

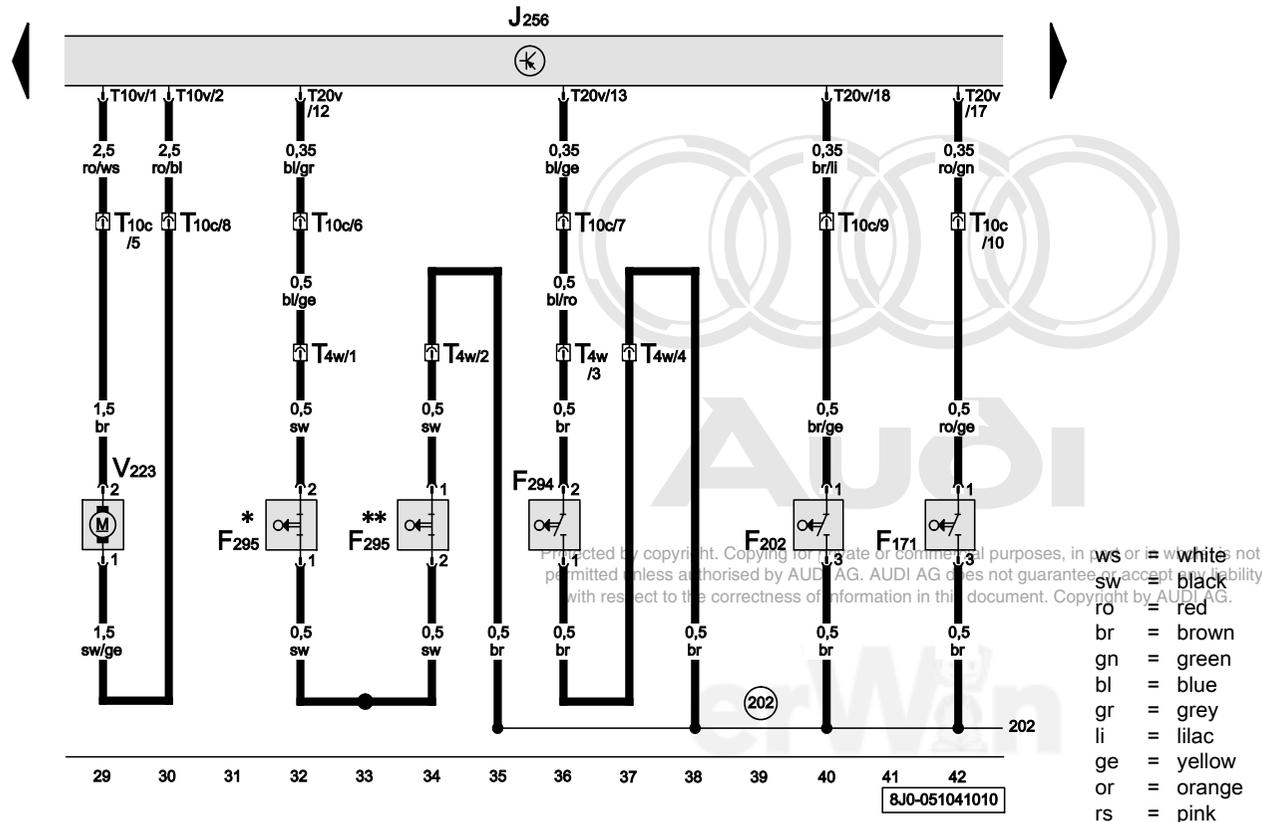
\* Manual convertible top

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



Convertible Top Control Module, Convertible Top Open Position Switch, Convertible Top Closed Position Switch, Convertible Top Lock Switch (open), Convertible Top Lock Switch (closed), Convertible Top Locking Motor

- F171 Convertible Top Open Position Switch
- F172 Convertible Top Front Lock Switch
- F202 Convertible Top Closed Position Switch
- F294 Convertible Top Lock Switch (open)
- F295 Convertible Top Lock Switch (closed)
- J256 Convertible Top Control Module
- T4w 4-Pin Connector, black, near left locking motor
- T10c 10-Pin Connector, black, left rear side panel
- T10v 10-Pin Connector, black (Connector A), on convertible top control module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- V223 Convertible Top Locking Motor
- 202 Ground Connection (in convertible top wiring harness)
- \* Left
- \*\* Right



Convertible Top Control Module, Convertible Top Open Position Switch, Heated Rear Window

- F171 Convertible Top Open Position Switch
- J9 Rear Window Defogger Relay
- J256 Convertible Top Control Module
- J519 Vehicle Electrical System Control Module
- T2y Double Connector, left side panel
- T2am Double Connector, black, left rear side panel
- T10c 10-Pin Connector, black, left rear side panel
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- Z1 Heated Rear Window

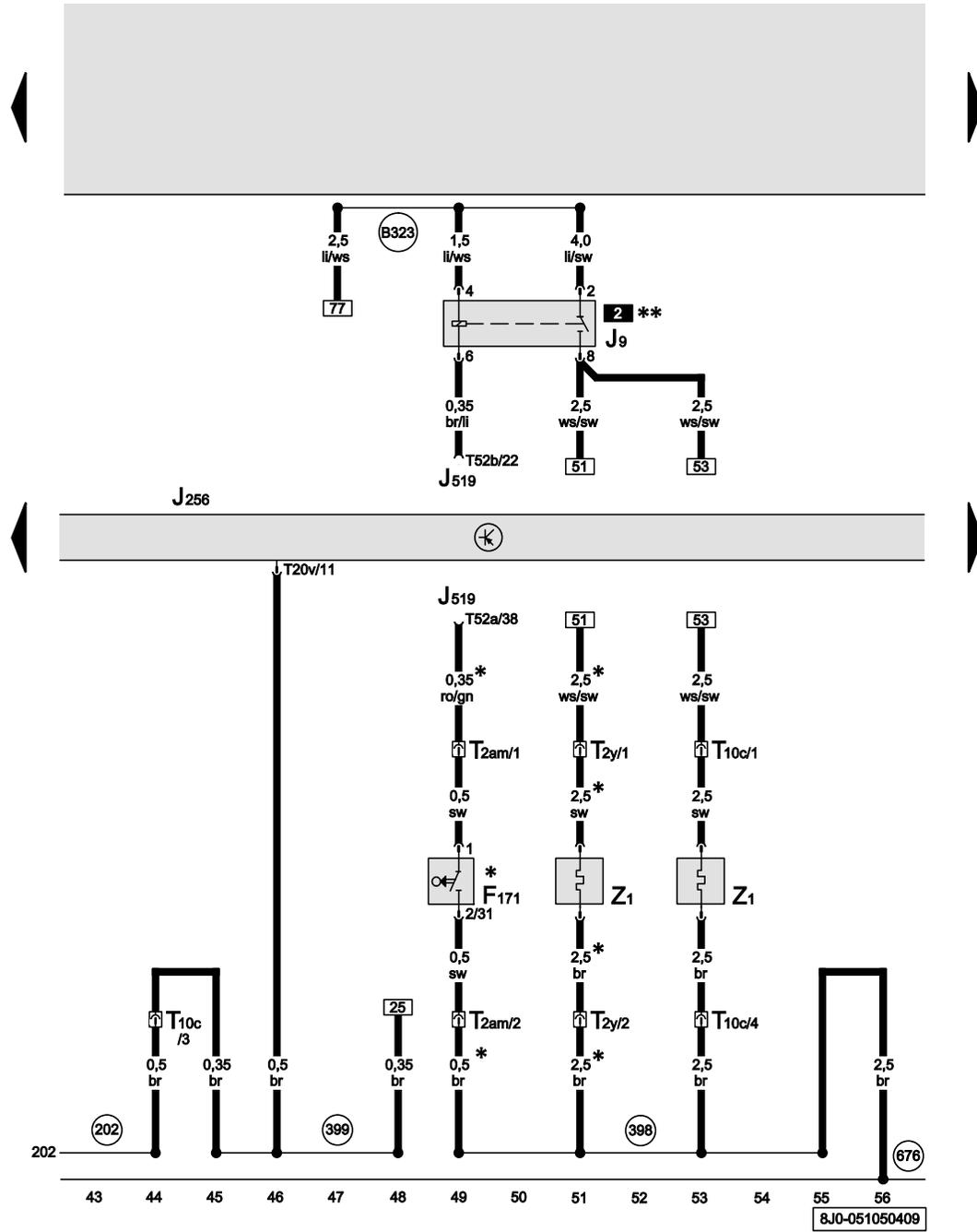
- 202 Ground Connection (in convertible top wiring harness)
- 398 Ground Connection 33 (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. Copyright by AUDI AG.

- 399 Ground Connection 34 (in main wiring harness)
- 676 Ground Connection 2 (in left luggage compartment)
- B323 Plus Connection 9 (30a) (in main wiring harness)

- \* Manual convertible top
- \*\* Relay Carrier on Vehicle Electrical System Control Module

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



8J0-051050409

Convertible Top Control Module, Left and Right Top Flap Sensor, Left and Right Top Flap Motor

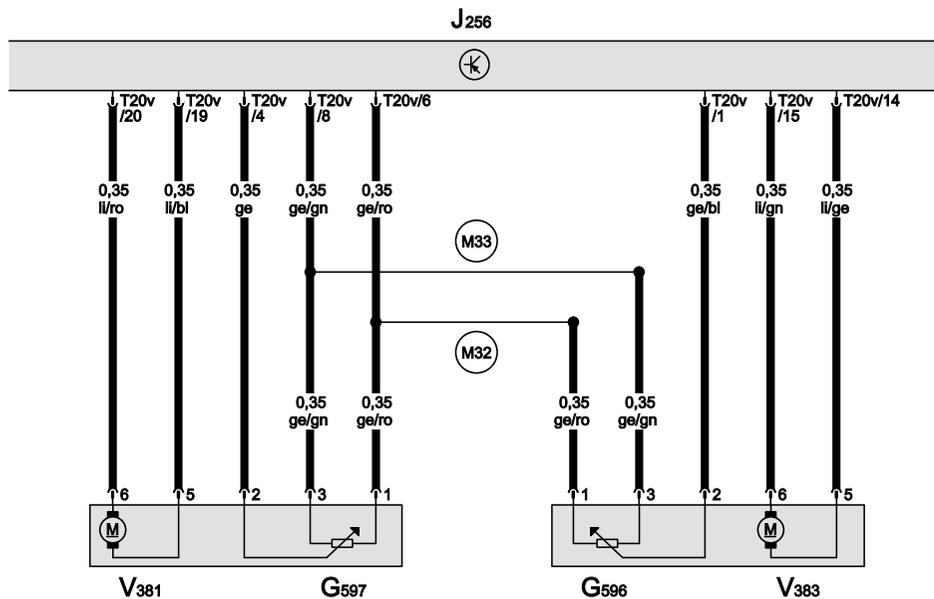
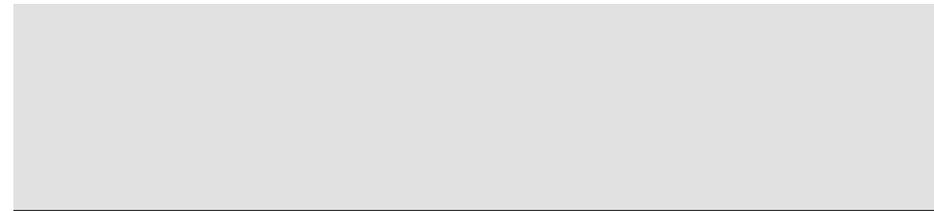
- G596 Left Top Flap Sensor
- G597 Right Top Flap Sensor
- J256 Convertible Top Control Module
- T20v 20-Pin Connector, red (Connector B), on convertible top control module
- V381 Right Top Flap Motor
- V383 Left Top Flap Motor

M32 Connection 1 (in convertible top wiring harness)

M33 Connection 2 (in convertible top wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

57 58 59 60 61 62 63 64 65 66 67 68 69 70

8J0-051060409

Electrical Wind Deflector

- J531 Wind Deflector Control Module (Cabrio)
- J681 Power Supply Relay 2 (terminal 15)
- SC7 Fuse 7 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC25 Fuse 25 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)

44 Ground Connection (on left lower A-pillar)

376 Ground Connection 11 (in main wiring harness)

B163 Plus Connection 1 (15) (in interior wiring harness)

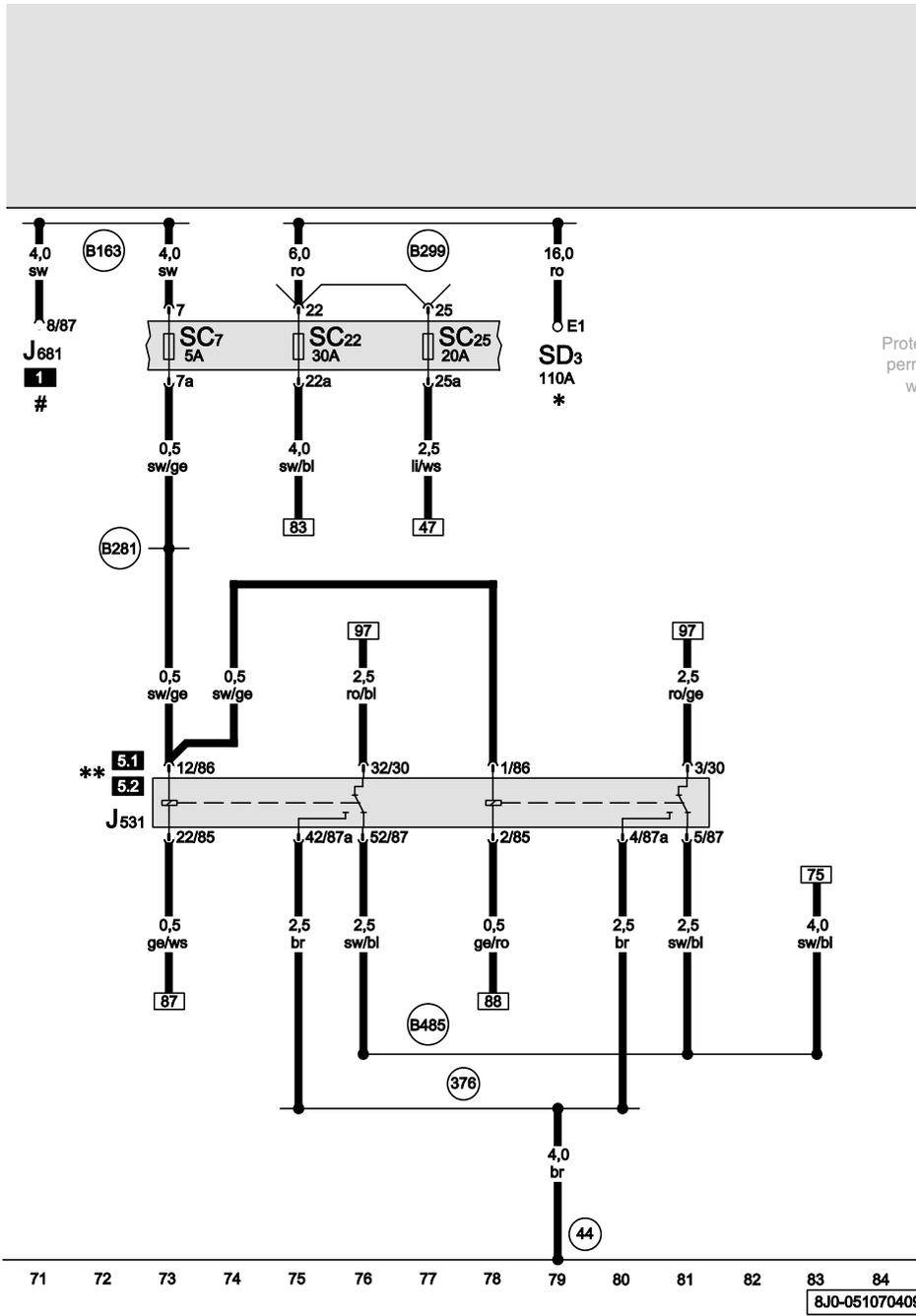
B281 Plus Connection 5 (15a) (in main wiring harness)

B299 Plus Connection 3 (30) (in main wiring harness)

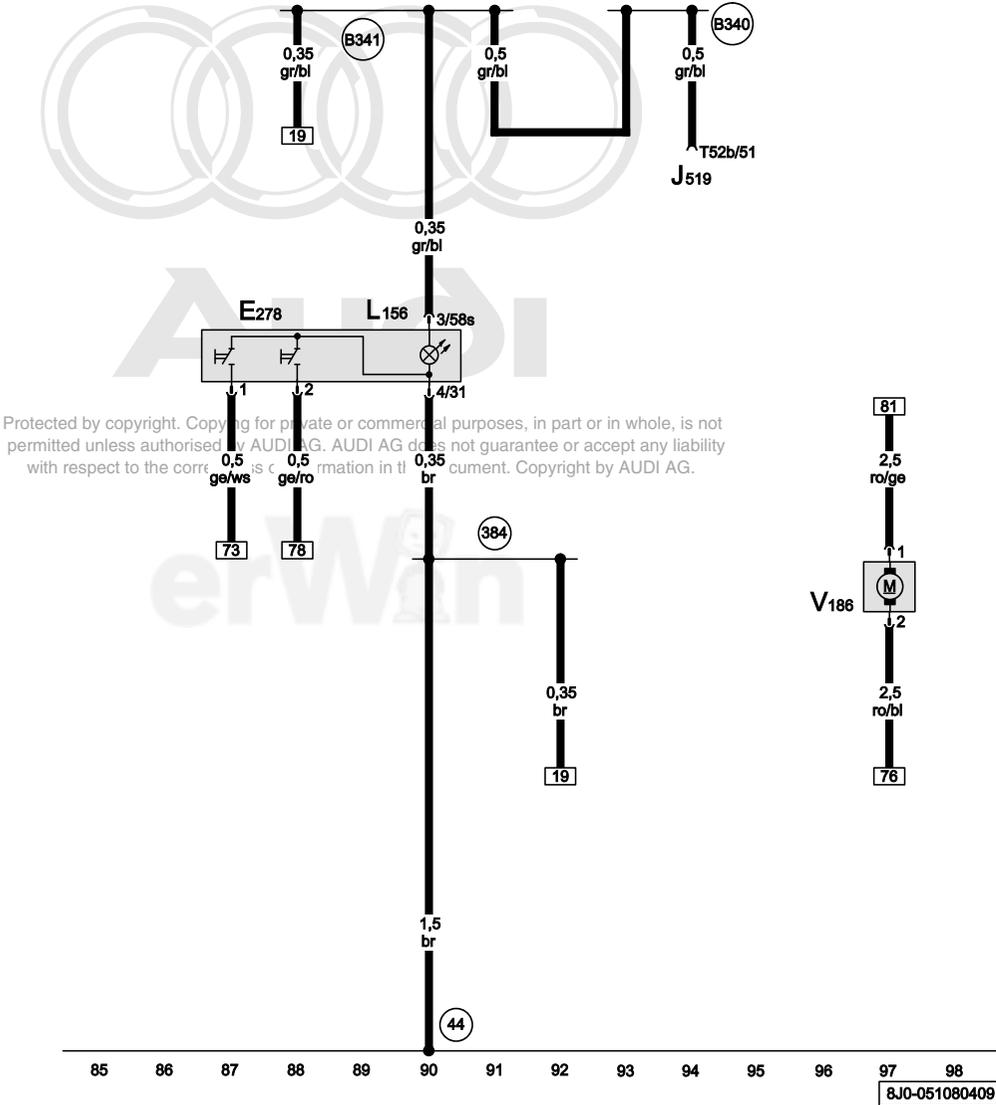
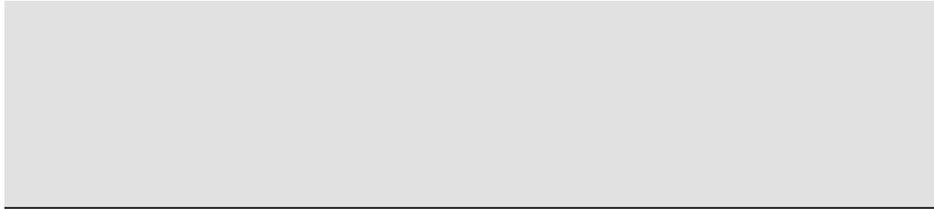
B485 Connection 21 (in main wiring harness)

- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Wind deflector relay, relay carrier under left instrument panel
- # Relay Carrier on Vehicle Electrical System Control Module

Protected by copyright. Copying for private or domestic use is permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.

Electrical Wind Deflector

- E278 Wind Deflector Switch (Cabrio)
- J519 Vehicle Electrical System Control Module
- L156 Switch Illumination Lamp
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- V186 Wind Deflector Motor (Cabrio)

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B340 Connection 1 (58s) (in main wiring harness)
- B341 Connection 2 (58s) (in main wiring harness)

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

## Rear Parking Aid

from June 2009

### Note:

Information for

◆ Relay and fuse arrangements

◆ Connector arrangements

◆ Control Modules and Relays

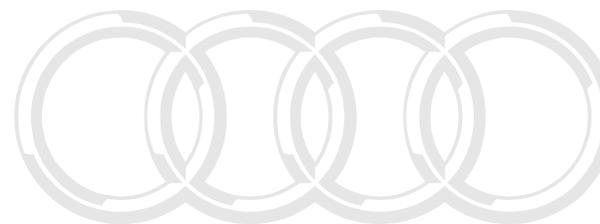
◆ Ground connections

⇒ Component Locations

Information for

◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

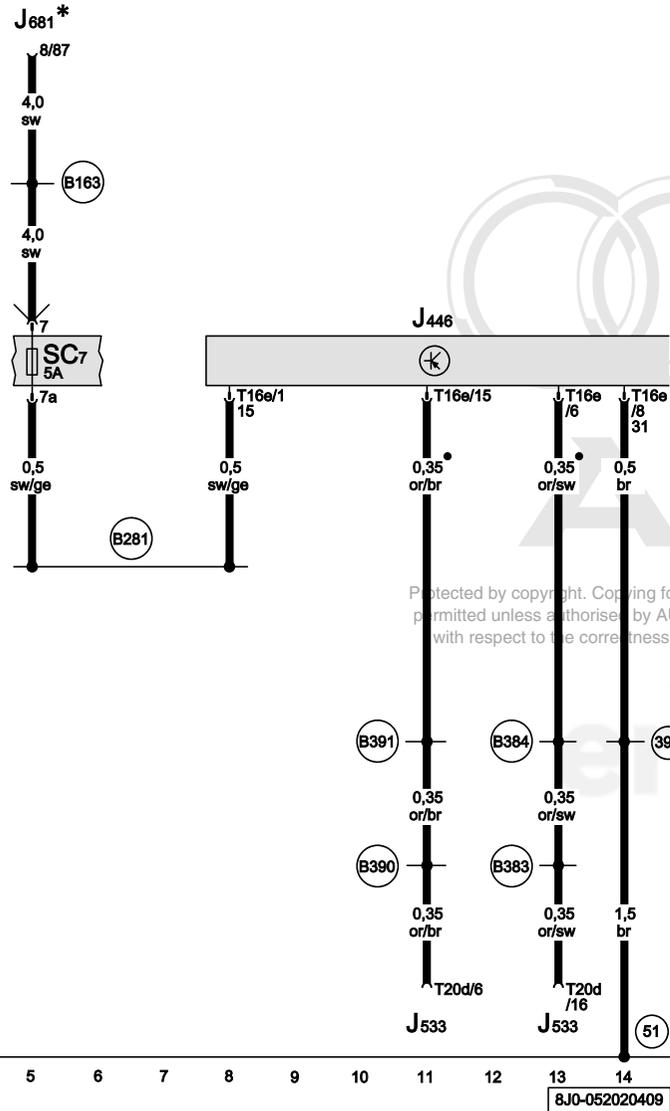
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Parking Aid Control Module, Fuses

- J446 Parking Aid Control Module
- J533 Data Bus On Board Diagnostic Interface
- J681 Power Supply Relay 2 (terminal 15)
- SC7 Fuse 7 (on fuse panel C)
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface

- 51 Ground Connection (in luggage compartment, right)
- 395 Ground Connection 30 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B281 Plus Connection 5 (15a) (in main wiring harness)
- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

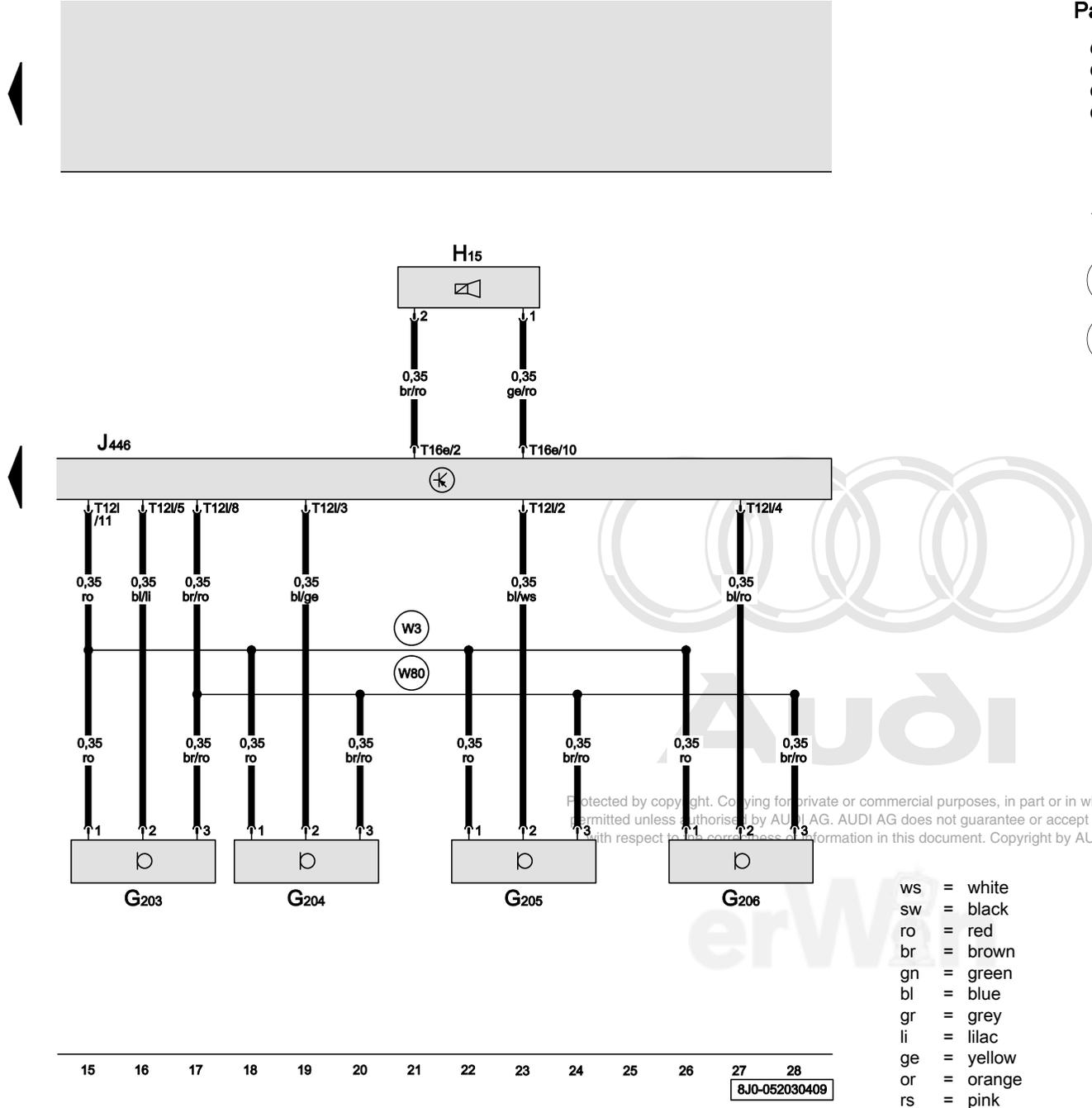
1 2 3 4 5 6 7 8 9 10 11 12 13 14

8J0-052020409

**Parking Aid Control Module, Rear Parking Aid Sensor, Rear Parking Aid Warning Buzzer**

- G203 Left Rear Parking Aid Sensor
- G204 Left Rear Center Parking Aid Sensor
- G205 Right Rear Center Parking Aid Sensor
- G206 Right Rear Parking Aid Sensor
- H15 Rear Parking Aid Warning Buzzer
- J446 Parking Aid Control Module
- T12i 12-Pin Connector, black (Connector C), on parking aid control module
- T16e 16-Pin Connector, brown (Connector A), on parking aid control module

- W3 Connection (in rear wiring harness)
- W80 Connection 2 (in rear wiring harness)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.

## Haldex Clutch with All-Wheel Drive

from June 2009

### Note:

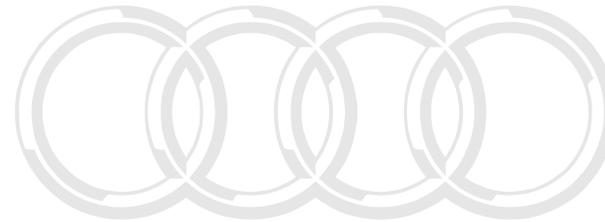
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

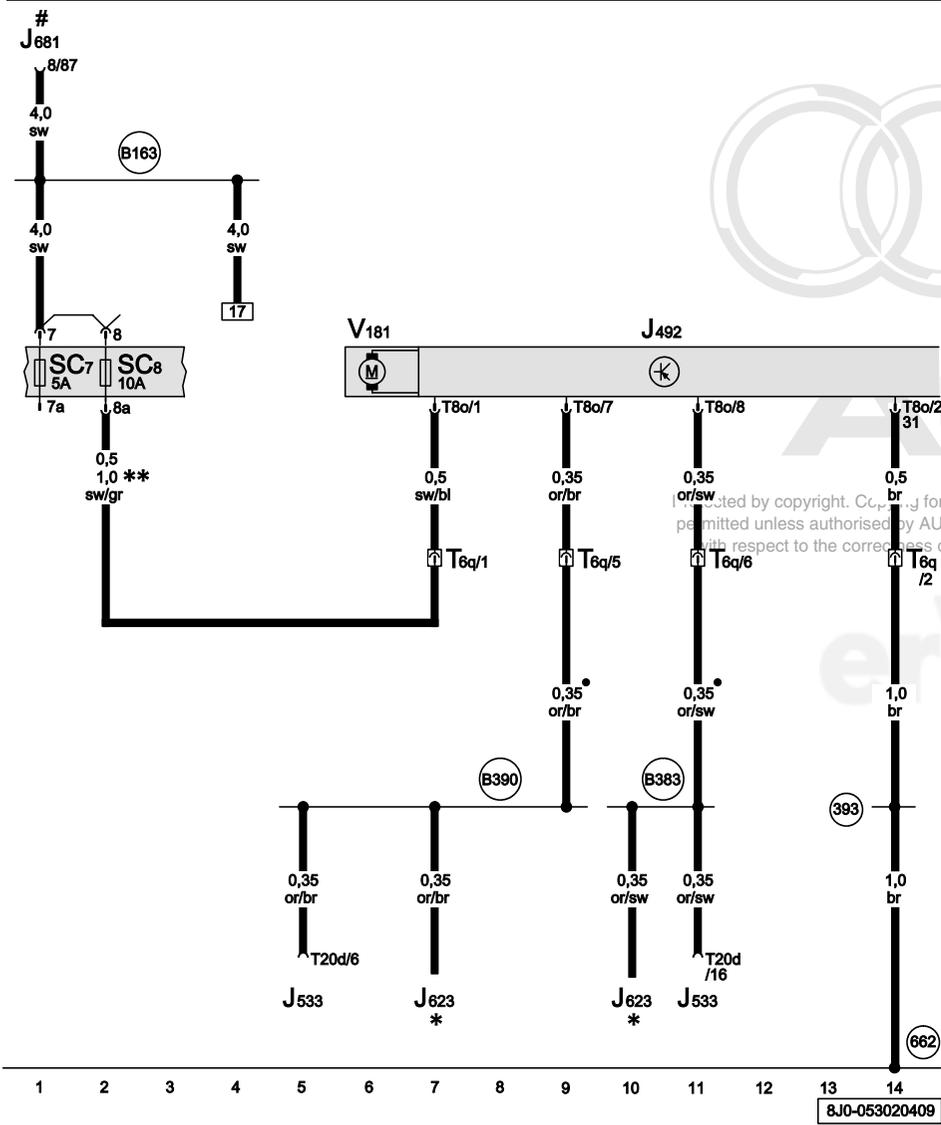
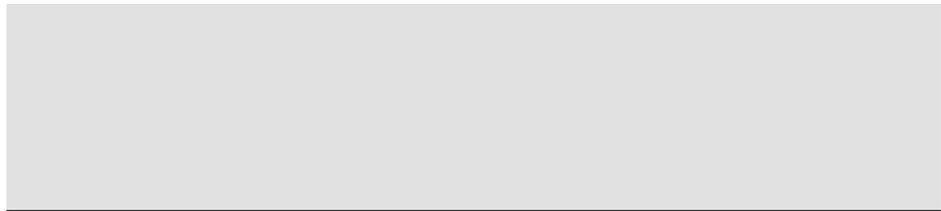


All-Wheel Drive Control Module, Haldex Clutch Pump, Fuses

- J492 All-Wheel Drive Control Module
- J533 Data Bus On Board Diagnostic Interface
- J623 Engine Control Module (ECM)
- J681 Power Supply Relay 2 (terminal 15)
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T8o 8-Pin Connector, black, on all-wheel drive control module
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- V181 Haldex Clutch Pump

- 393 Ground Connection 28 (in main wiring harness)
- 662 Ground Connection (on left rear side panel)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)

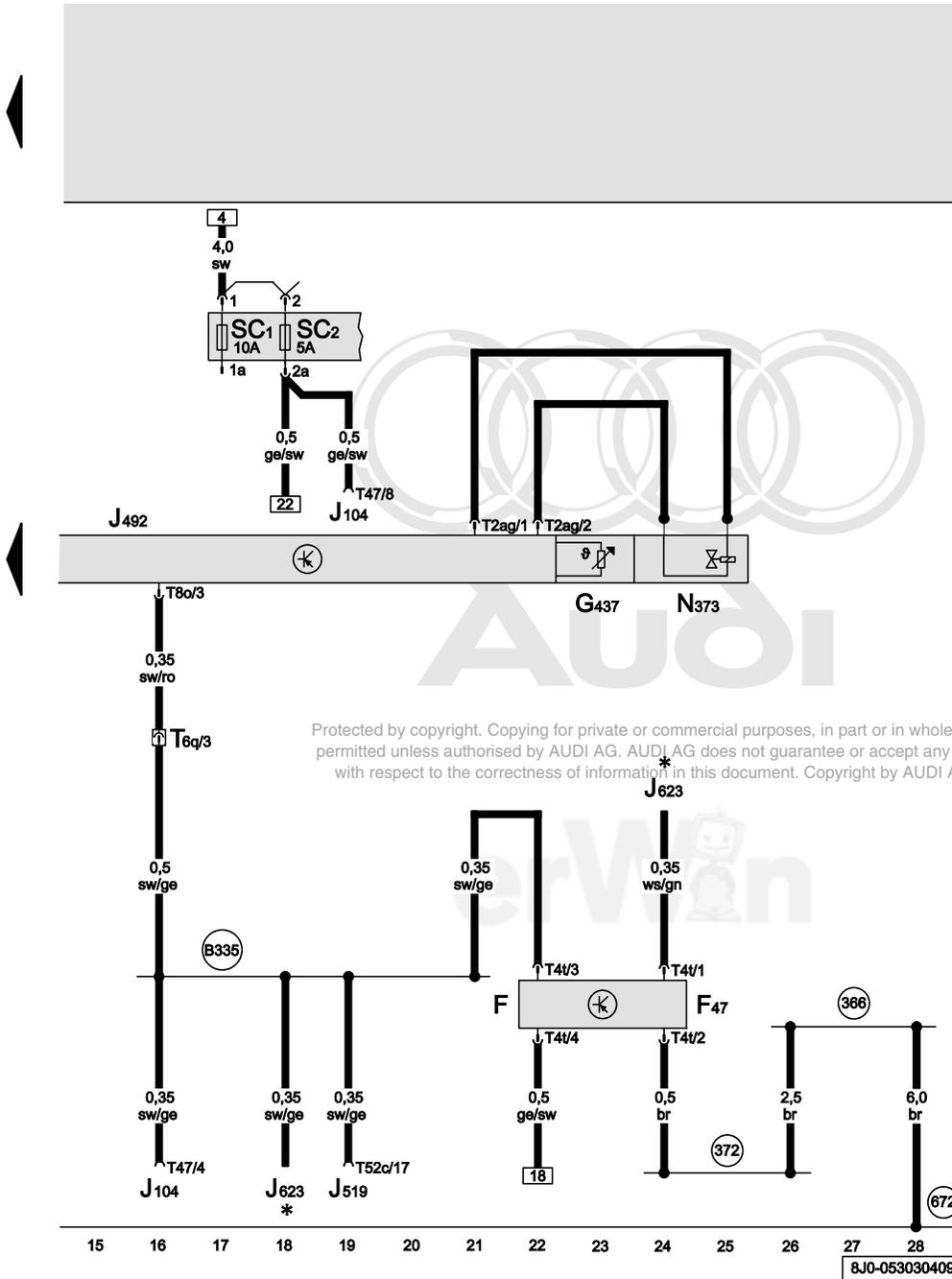
- CAN-Bus (data wire)
- \* Wiring Diagram Engine
- \*\* Where applicable
- # Relay Carrier on Vehicle Electrical System Control Module



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

8J0-053020409

All-Wheel Drive Control Module, Brake Light Switch, Oil Pressure/Temperature Sensor, Haldex Clutch Control Valve



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- F Brake Light Switch
- F47 Brake Pedal Switch
- G437 Oil Pressure/Temperature Sensor
- J104 ABS Control Module
- J492 All-Wheel Drive Control Module
- J519 Vehicle Electrical System Control Module
- J623 Engine Control Module (ECM)
- N373 Haldex Clutch Control Valve
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- T2ag Double Connector, near all-wheel drive control module
- T4t 4-Pin Connector, black, on brake light switch
- T6q 6-Pin Connector, black, on all-wheel drive control module
- T8o 8-Pin Connector, black, on all-wheel drive control module
- T47 47-Pin Connector, on ABS control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- (366) Ground Connection 1 (in main wiring harness)
- (372) Ground Connection 7 (in main wiring harness)
- (672) Ground Connection 2 (on left front long member)
- (B335) Connection 1 (54) (in main wiring harness)

\* ⇒ Wiring Diagram Engine

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

8J0-053030409

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon) and Automatic Headlamp Range Control

from June 2009

### Note:

Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

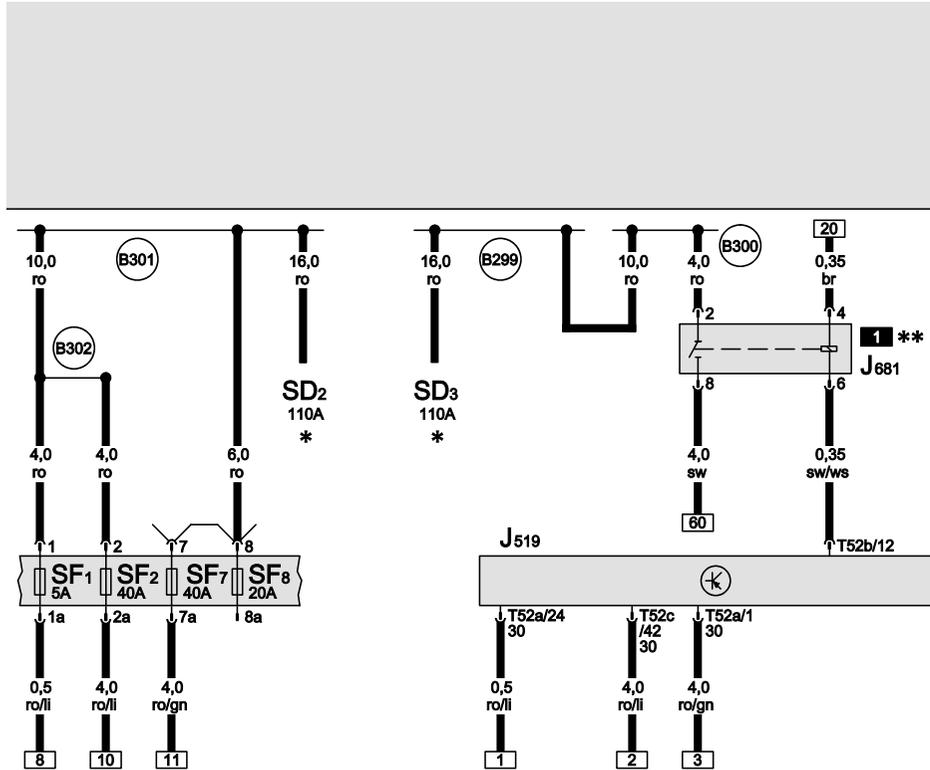
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- B301 Plus Connection 5 (30) (in main wiring harness)

- B302 Plus Connection 6 (30) (in main wiring harness)

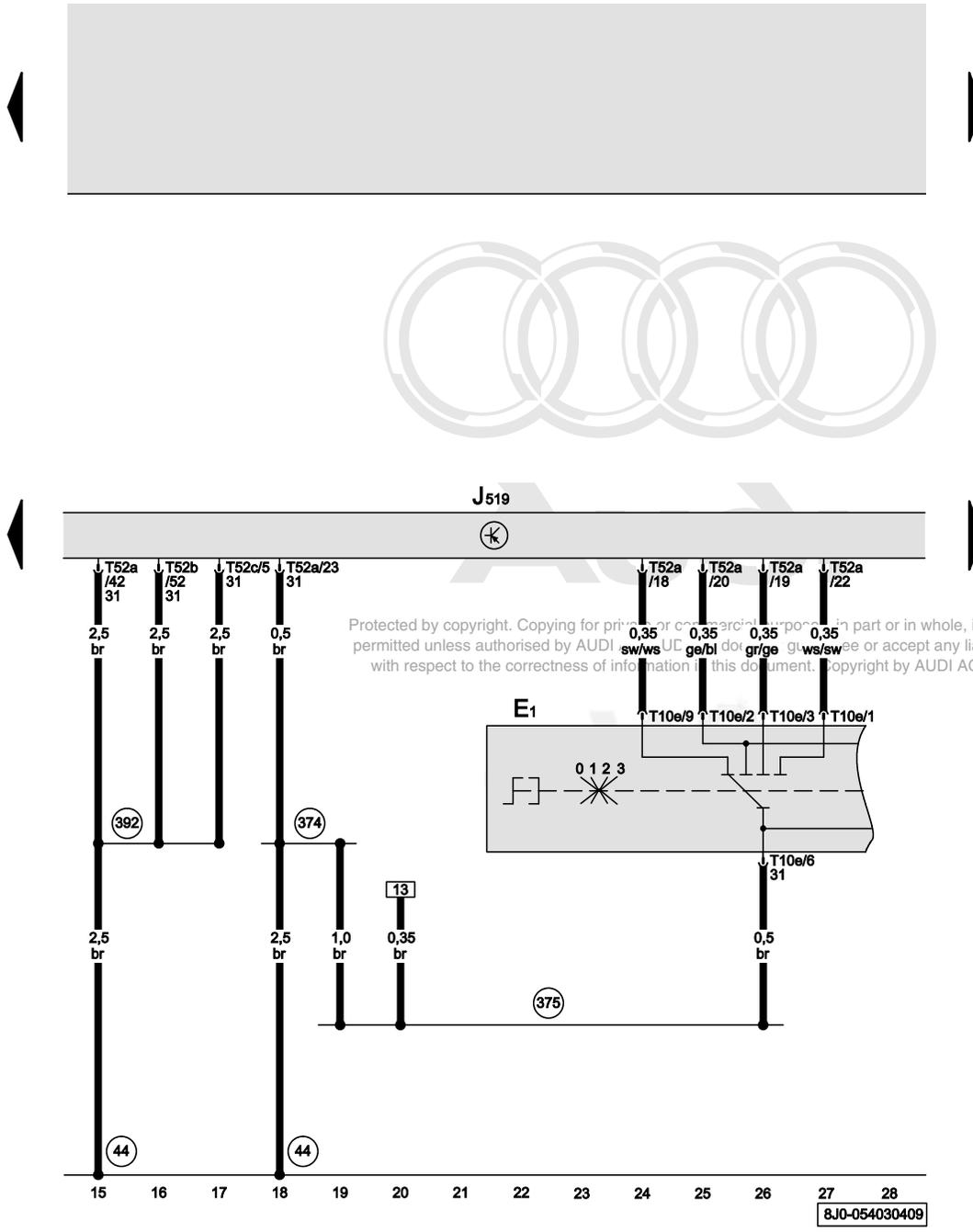
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module

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

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- T10e 10-Pin Connector, black (Connector A), on light switch
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)



Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module

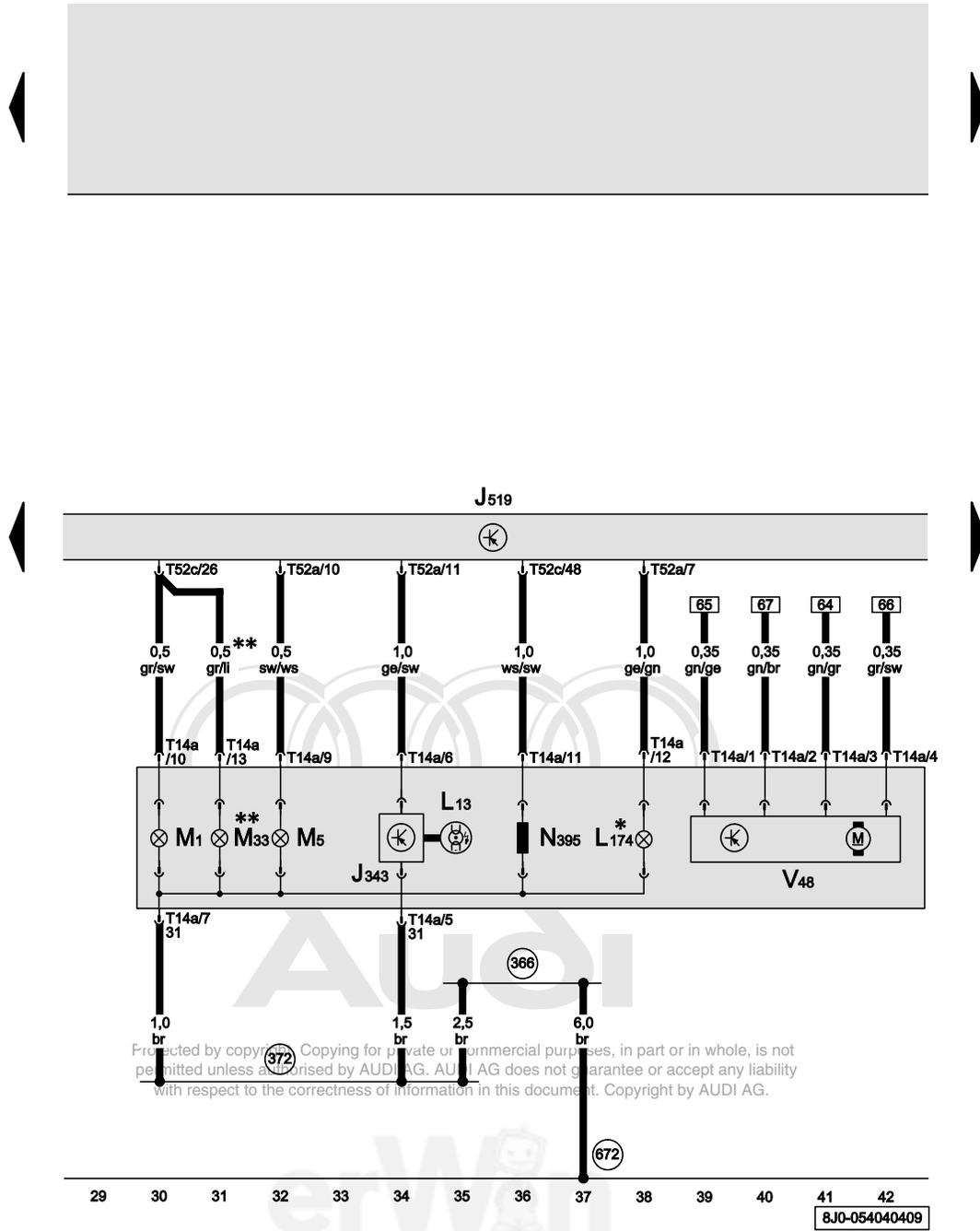
- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- N395 Left Headlamp Reflector Adjustment Solenoid
- T14a 14-Pin Connector, black, on left headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V48 Left Headlamp Beam Adjustment Motor

366 Ground Connection 1 (in main wiring harness)

372 Ground Connection 7 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

- \* Models with daytime running lights
- \*\* Only USA



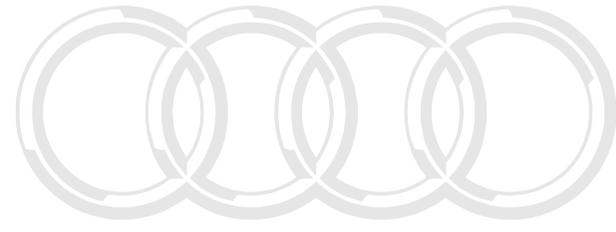
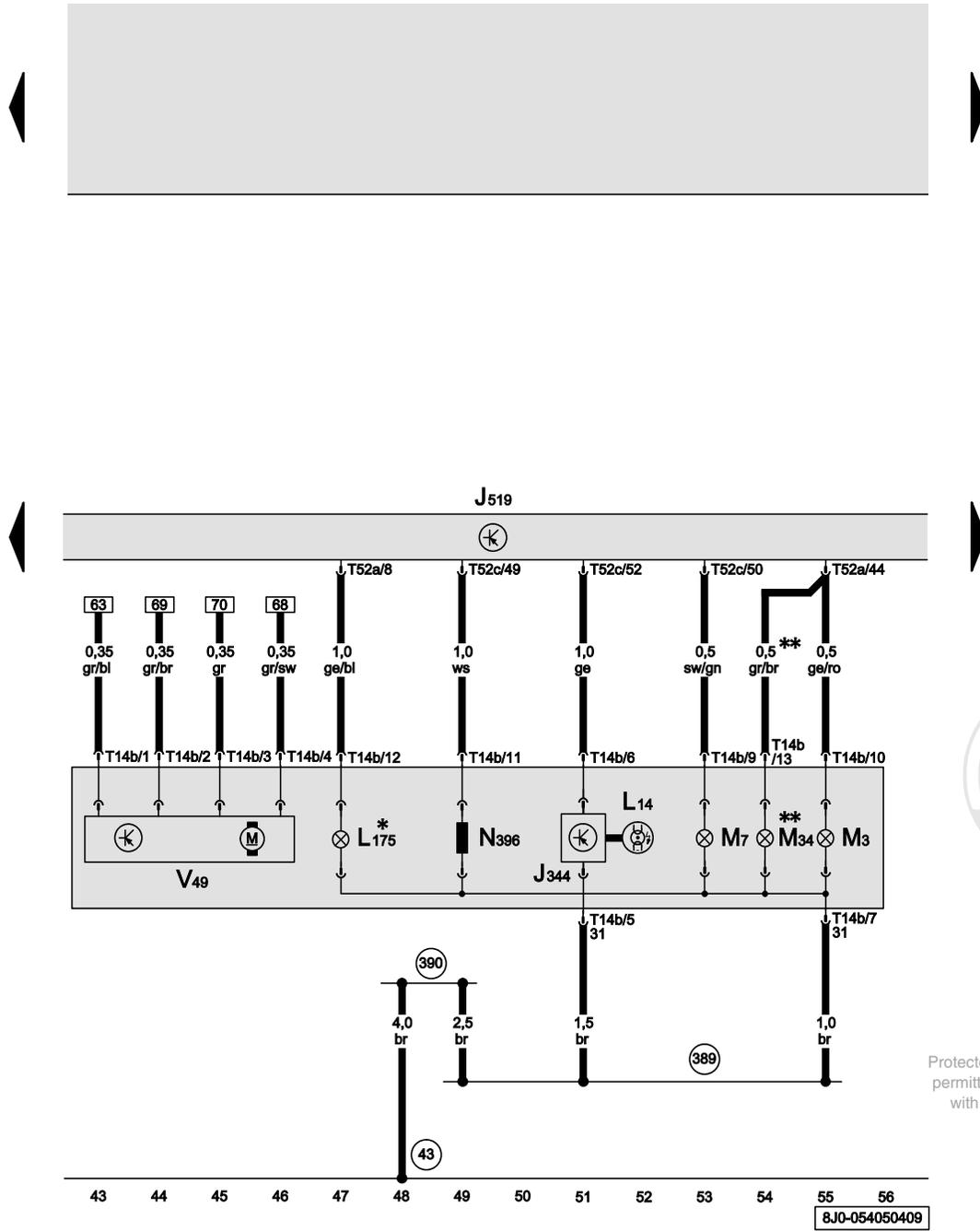
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- N396 Right Headlamp Reflector Adjustment Solenoid
- T14b 14-Pin Connector, black, on right headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V49 Right Headlamp Beam Adjustment Motor

- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- \* Models with daytime running lights
- \*\* Only USA



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

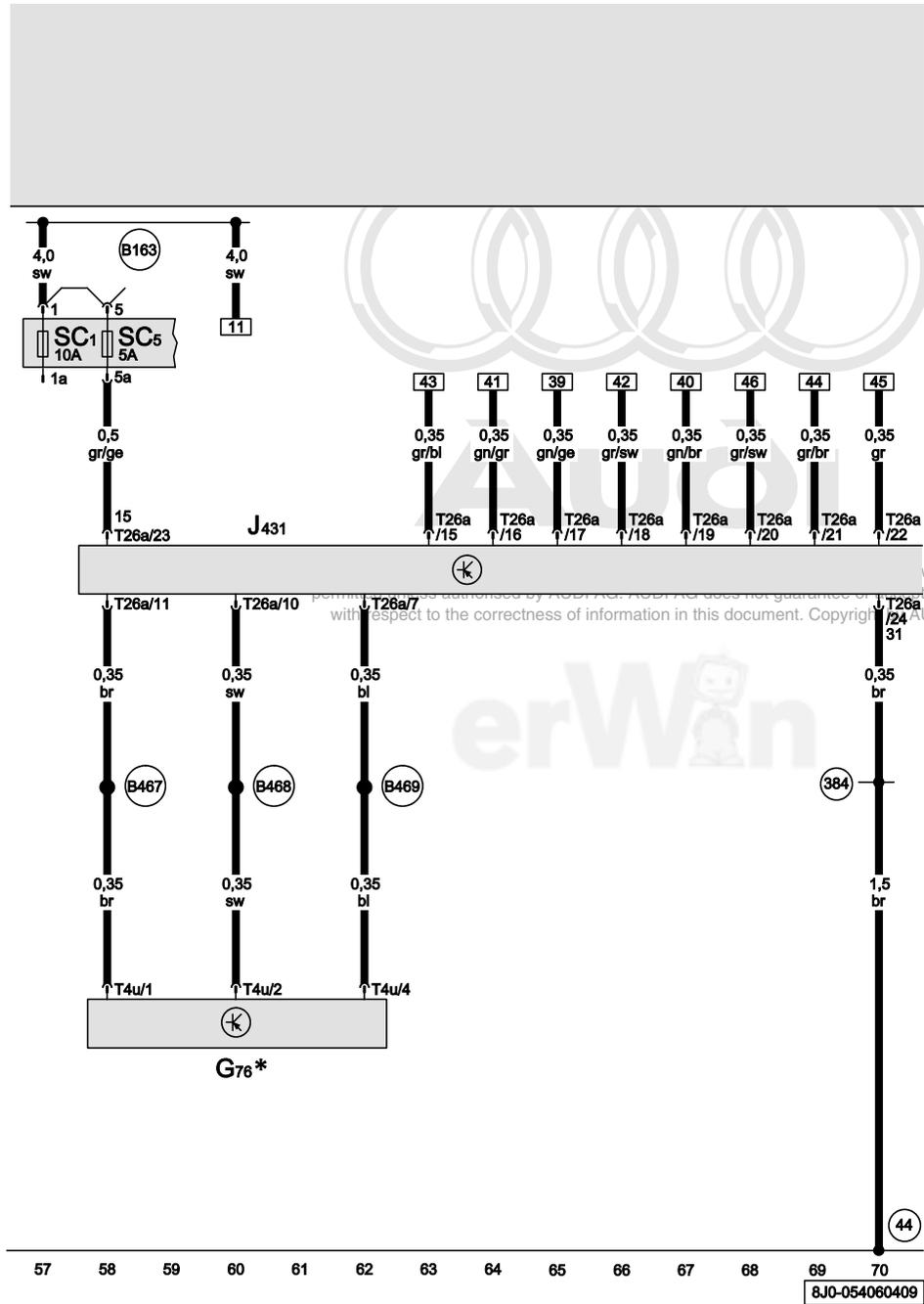


Headlamp Range Control Module, Left Rear Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- J431 Headlamp Range Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)

\* Not for electronic damping

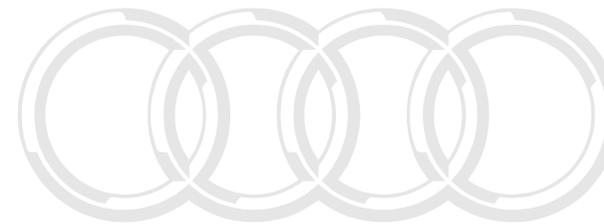
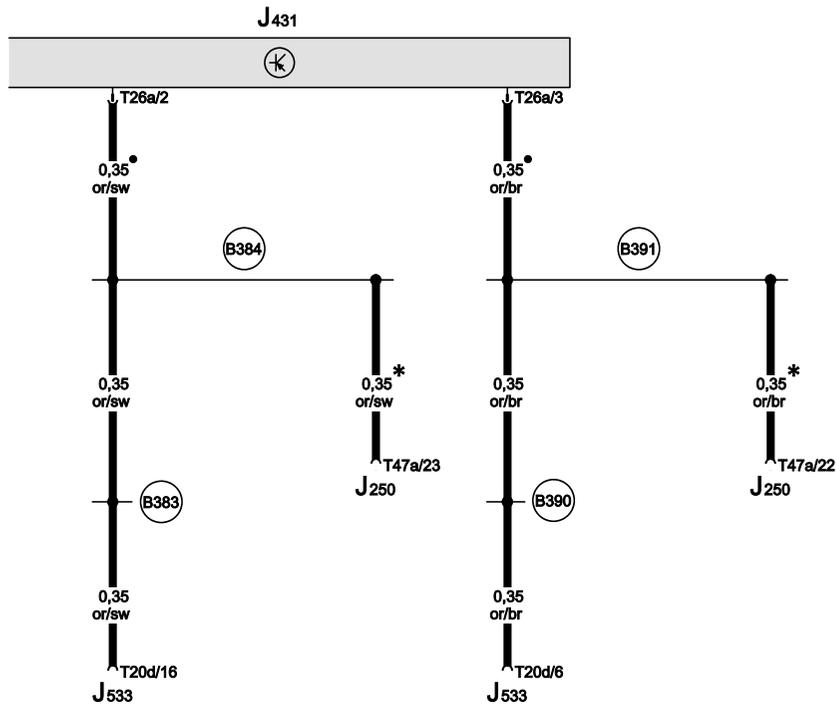
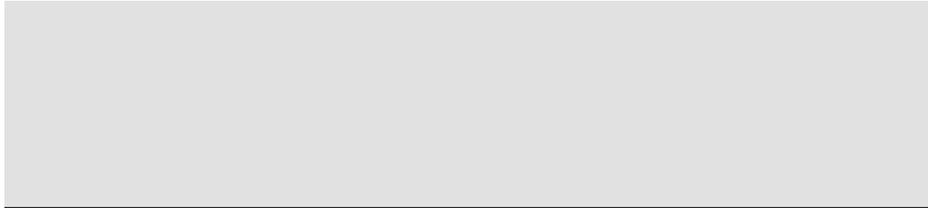


Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- B383** Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384** Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390** Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391** Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with electronic damping



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon), Cornering Lamp and Automatic Headlamp Range Control

from June 2009

### Note:

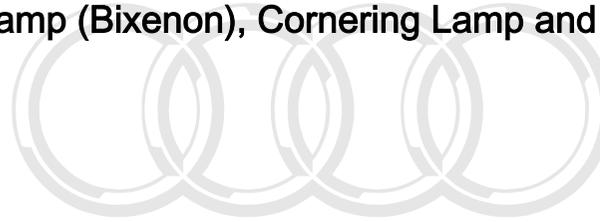
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

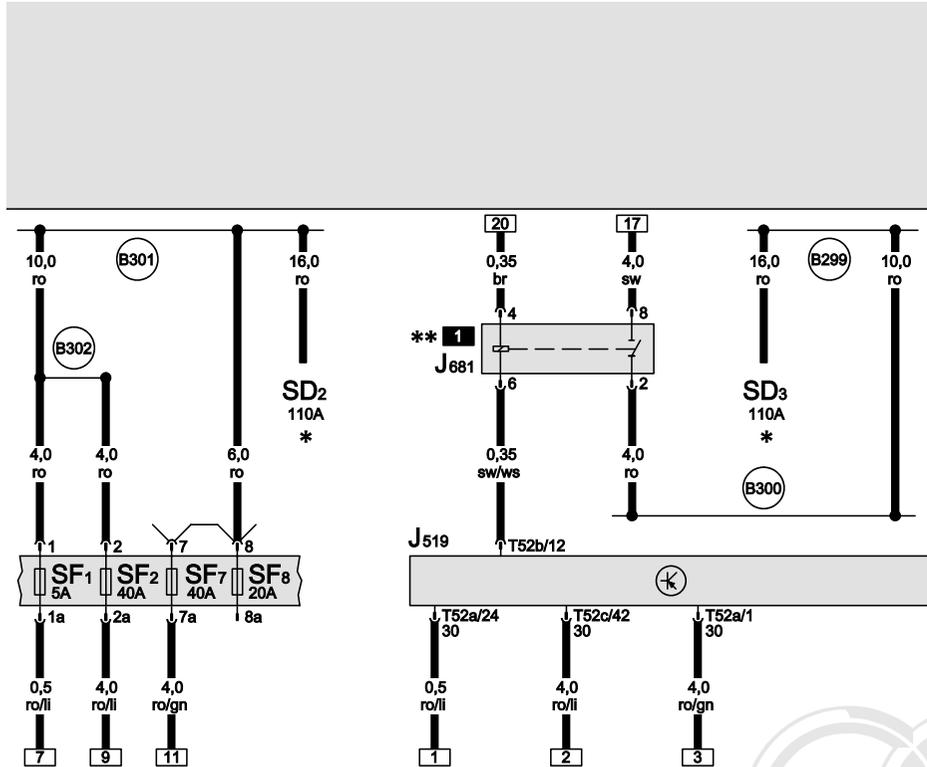
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

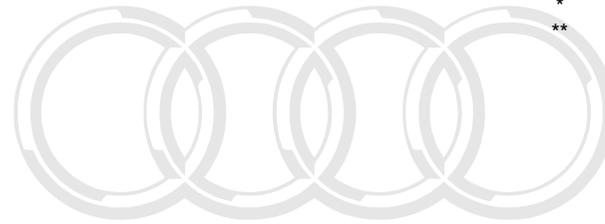
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- (B299) Plus Connection 3 (30) (in main wiring harness)
- (B300) Plus Connection 4 (30) (in main wiring harness)
- (B301) Plus Connection 5 (30) (in main wiring harness)
- (B302) Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery Relay Carrier on Vehicle Electrical System Control Module
- \*\* Main fuse panel, in right rear luggage compartment on battery Relay Carrier on Vehicle Electrical System Control Module



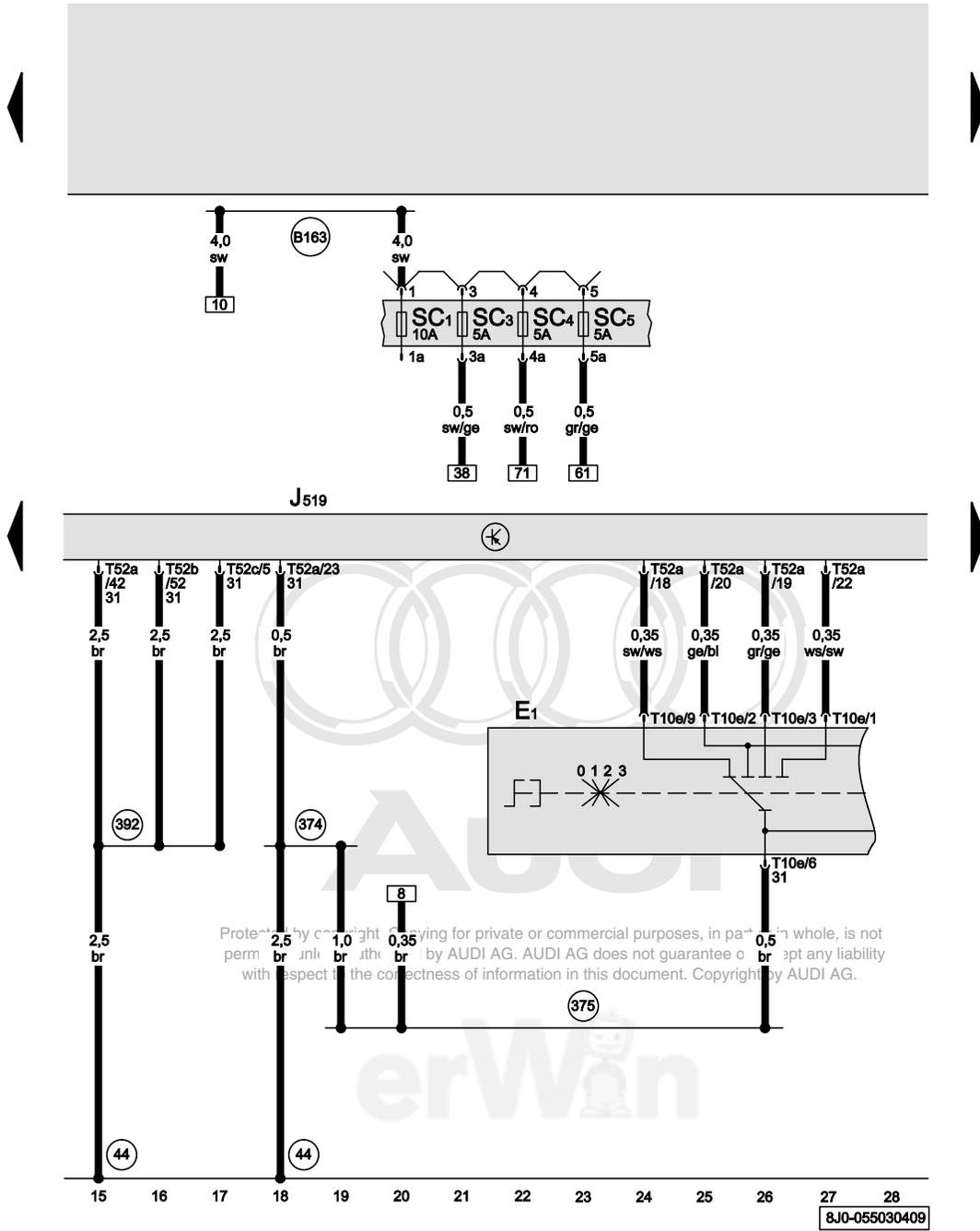
Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T10e 10-Pin Connector, black (Connector A), on light switch
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)



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

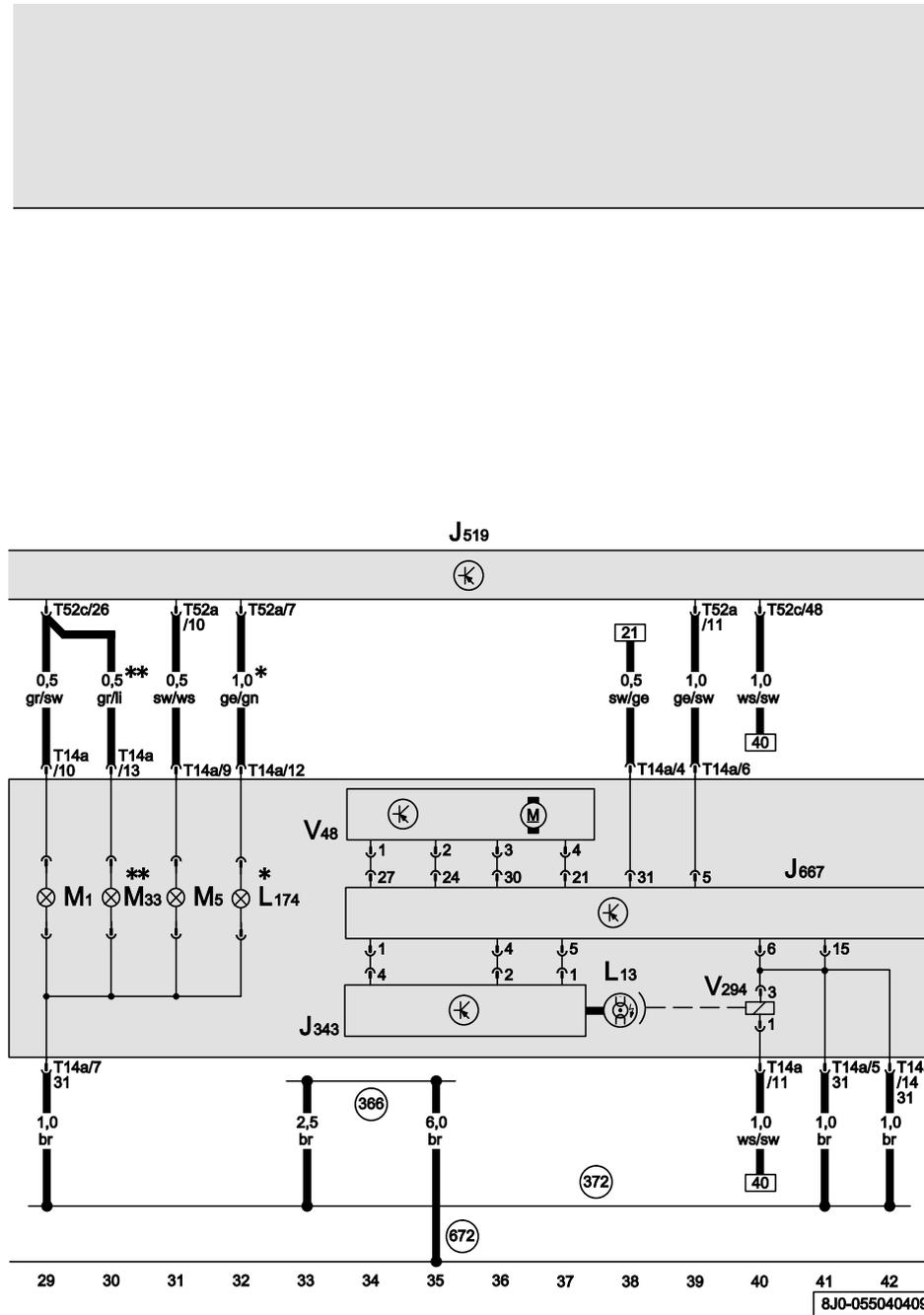
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the written permission of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- T14a 14-Pin Connector, black, on left headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V48 Left Headlamp Beam Adjustment Motor
- V294 Left Low Beam Reflector Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by Audi AG. Audi AG does not accept any responsibility with respect to the correctness of information in this document. Copyright by Audi AG.

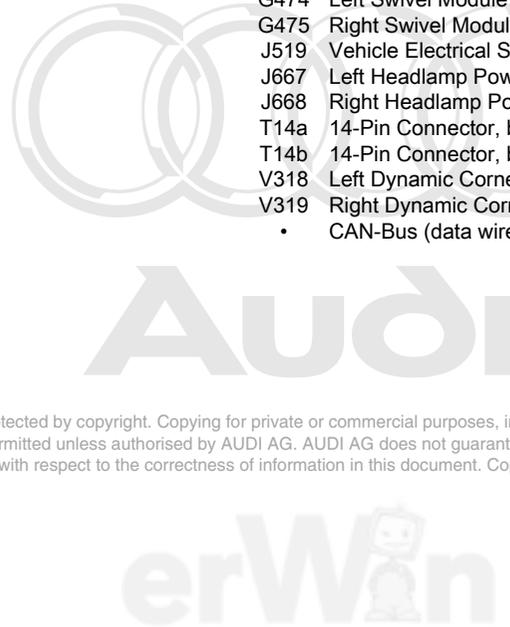
- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)
- \* Models with daytime running lights
- \*\* Only USA



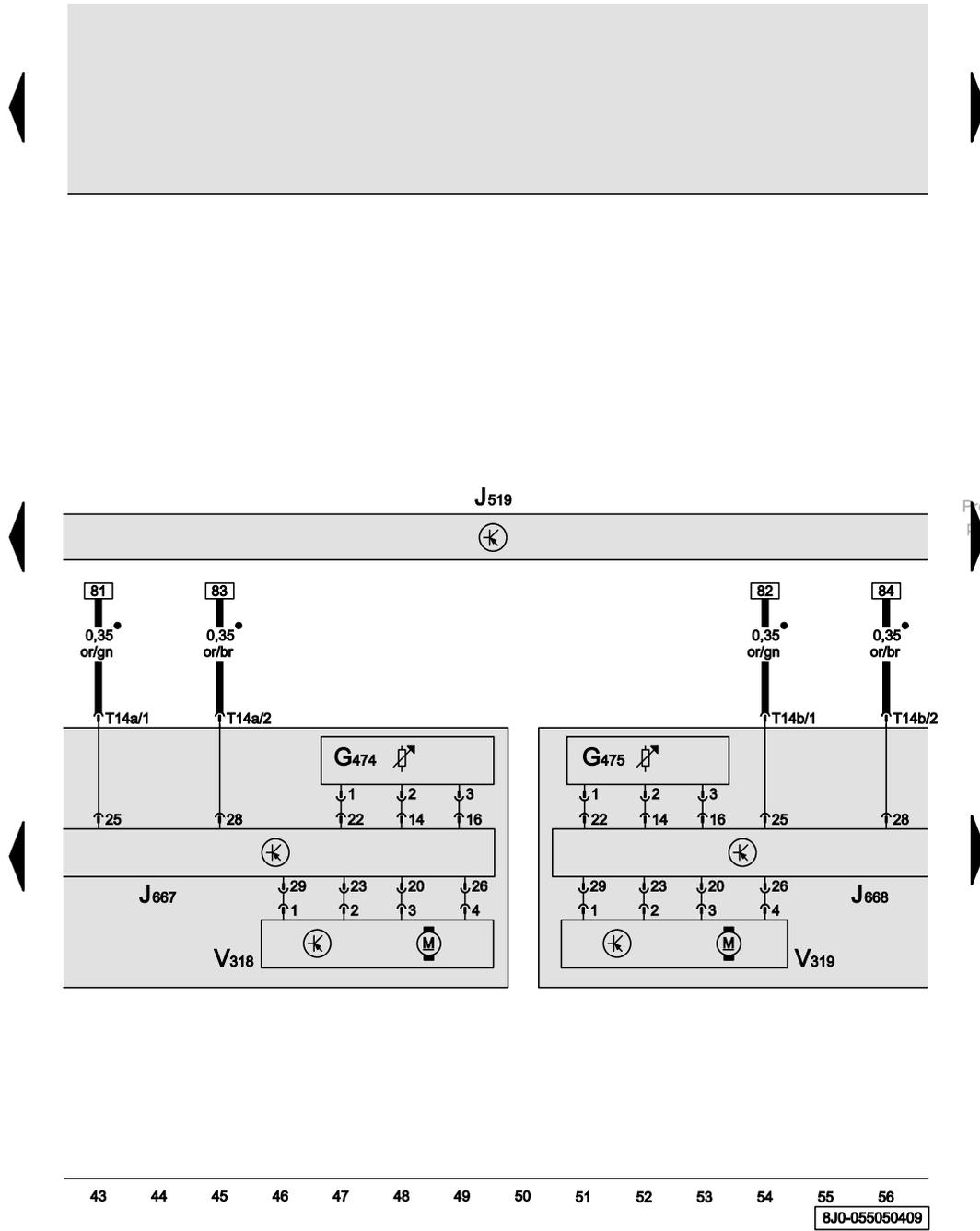
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Left Headlamp Power Output Stage, Right Headlamp Power Output Stage, Swivel Module Position Sensor, Dynamic Cornering Light Motor

- G474 Left Swivel Module Position Sensor
- G475 Right Swivel Module Position Sensor
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- J668 Right Headlamp Power Output Stage
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V318 Left Dynamic Cornering Light Motor
- V319 Right Dynamic Cornering Light Motor
- CAN-Bus (data wire)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



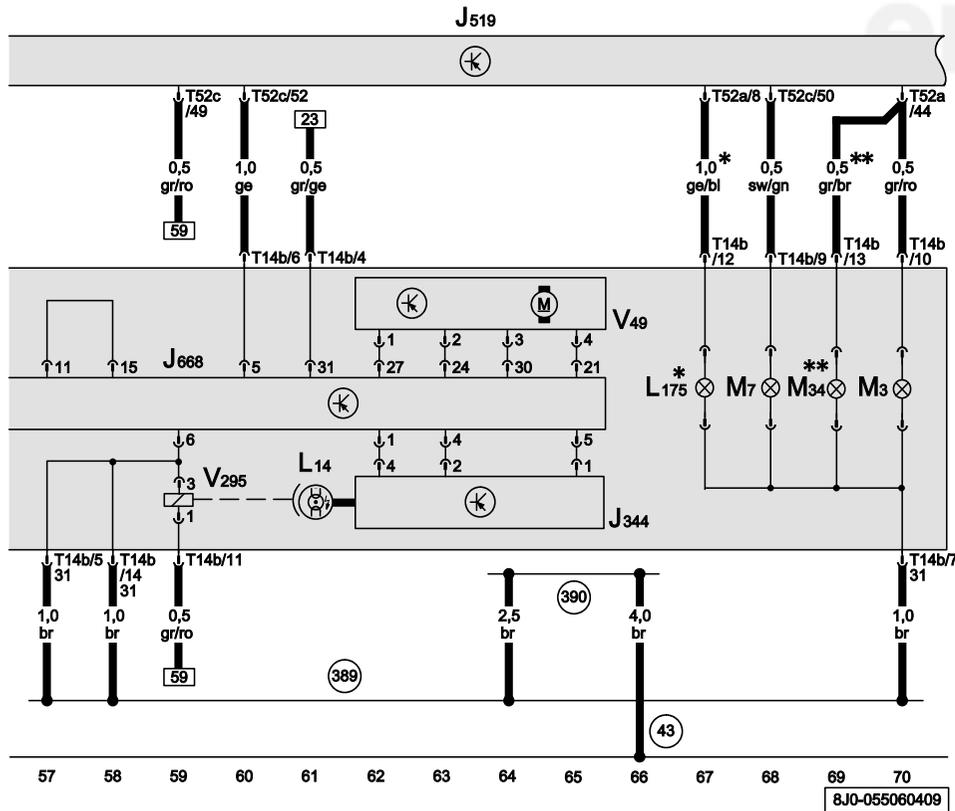
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module, Right Headlamp Power Output Stage

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J668 Right Headlamp Power Output Stage
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- T14b 14-Pin Connector, black, on right headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V49 Right Headlamp Beam Adjustment Motor
- V295 Right Low Beam Reflector Motor

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- \* Models with daytime running lights
- \*\* Only USA



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

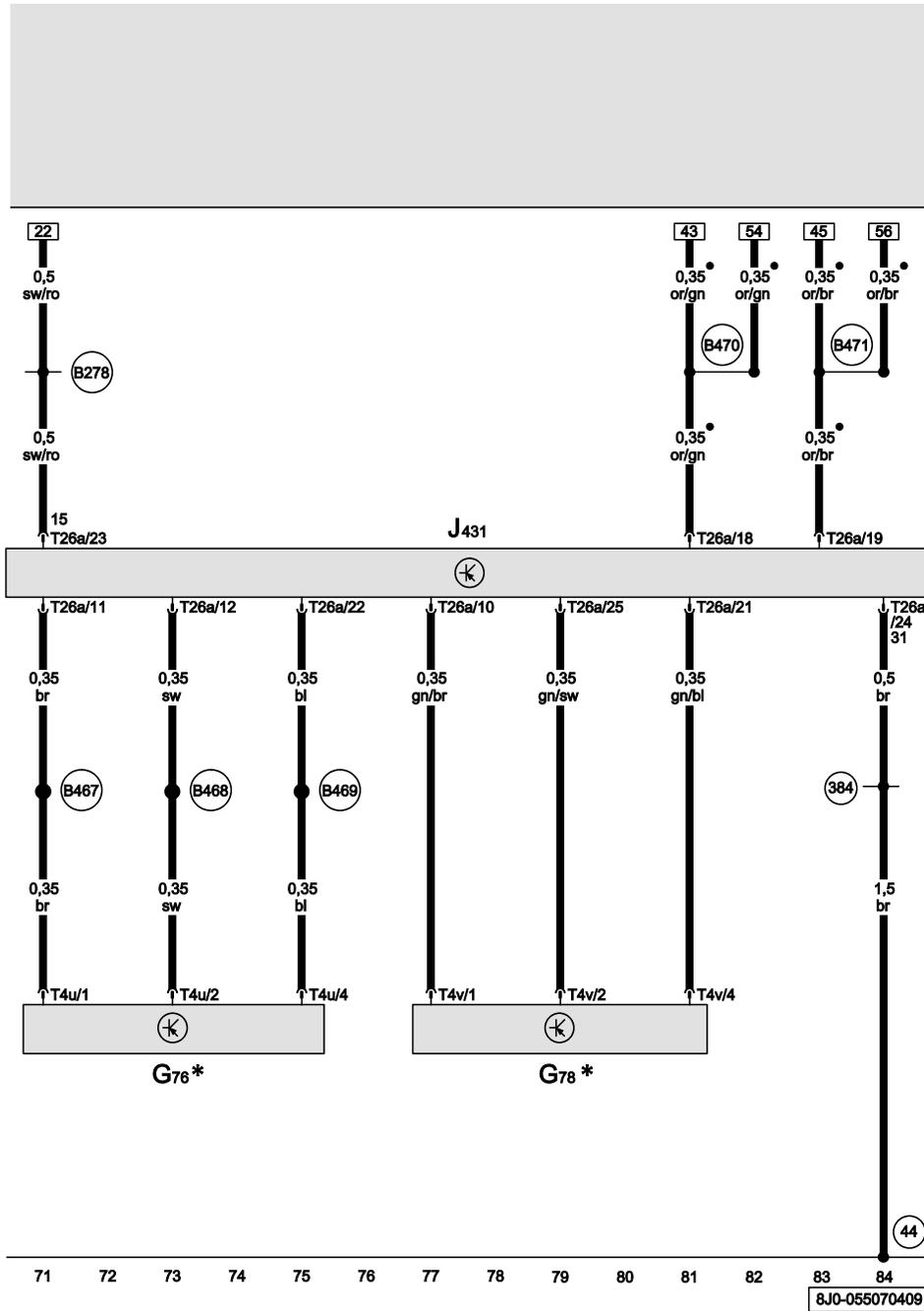
8J0-055060409

Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)
- B470 Connection 6 (in main wiring harness)
- B471 Connection 7 (in main wiring harness)
- CAN-Bus (data wire)
- \* Not for electronic damping

Protected by copyright. All rights reserved. No part of this document or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



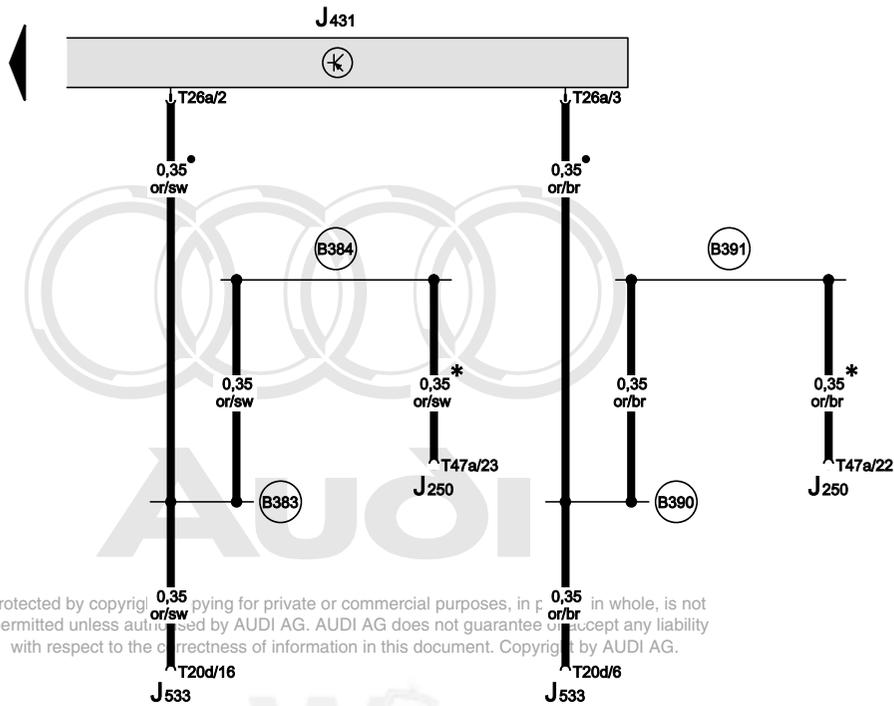
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with electronic damping



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

8J0-055080409

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon) and Automatic Headlamp Range Control

⇒ Parking Light and Daytime Running Light with Light Emitting Diode (LED)

from June 2009

### Note:

Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

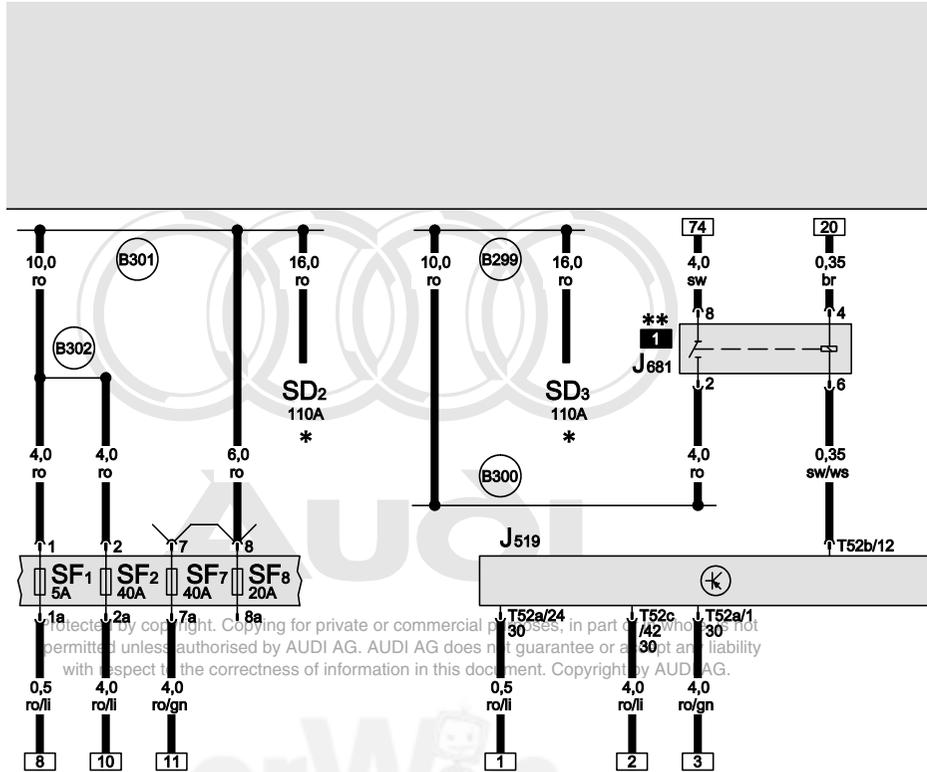
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures

⇒ Guided Fault Finding using VAS 5051 / 5052



Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

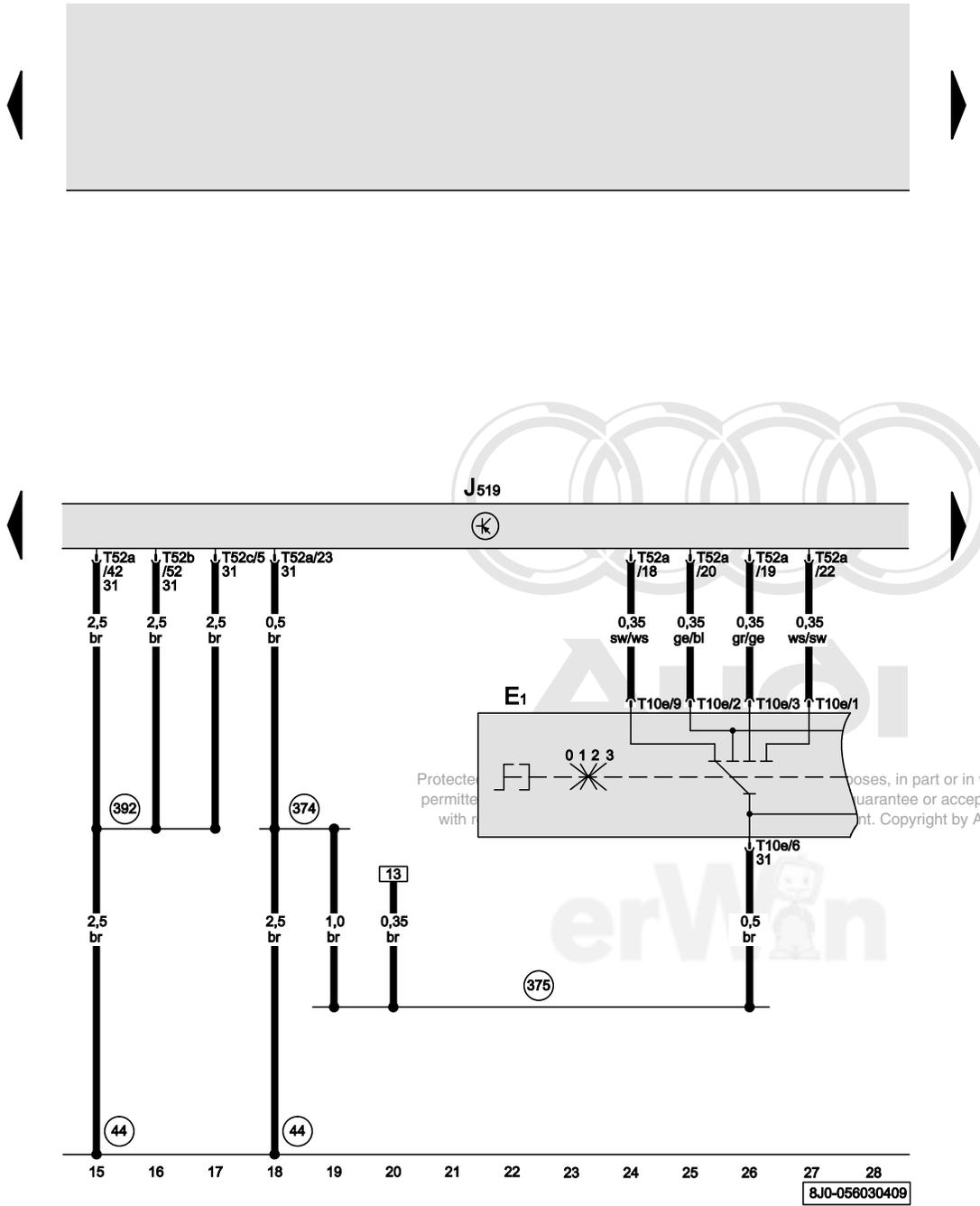
- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- (B299) Plus Connection 3 (30) (in main wiring harness)
- (B300) Plus Connection 4 (30) (in main wiring harness)
- (B301) Plus Connection 5 (30) (in main wiring harness)
- (B302) Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module

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

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- T10e 10-Pin Connector, black (Connector A), on light switch
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)



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

Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

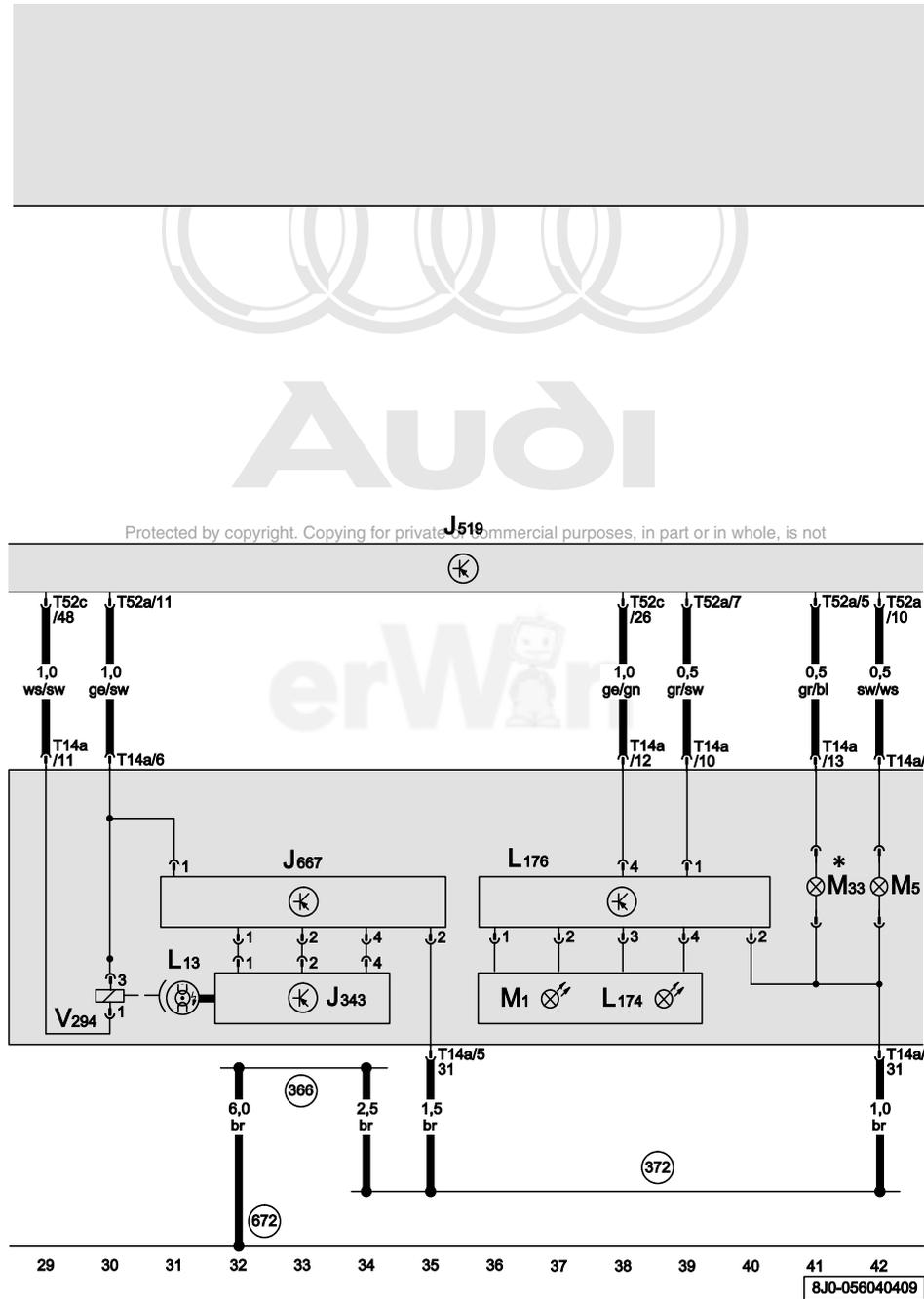
- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- L176 Left LED Parking Lamp/DRL Module
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- T14a 14-Pin Connector, black, on left headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V294 Left Low Beam Reflector Motor

366 Ground Connection 1 (in main wiring harness)

372 Ground Connection 7 (in main wiring harness)

672 Ground Connection 2 (on left front long member)

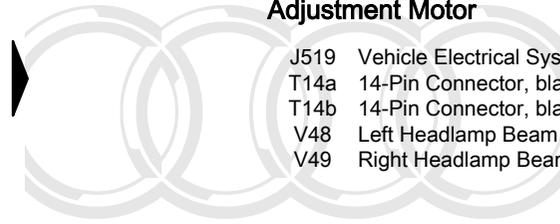
\* Only USA



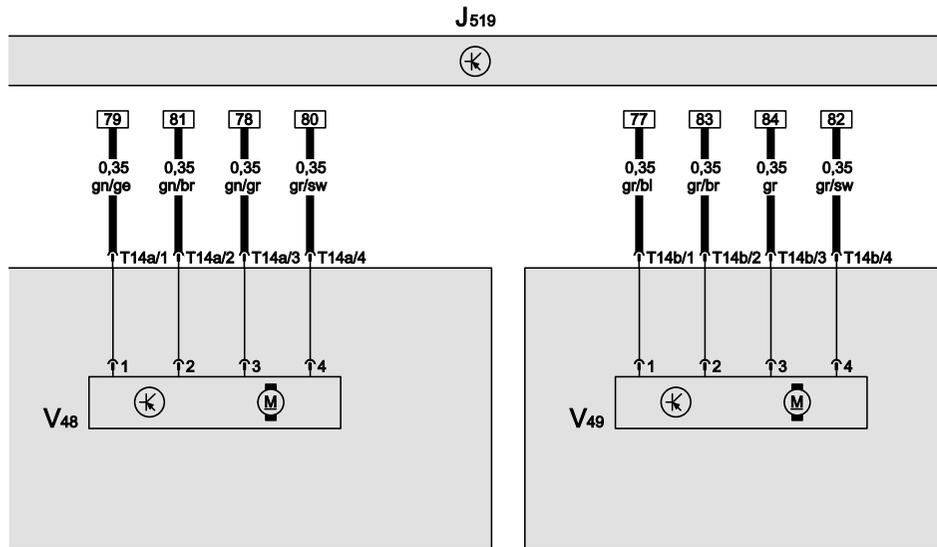
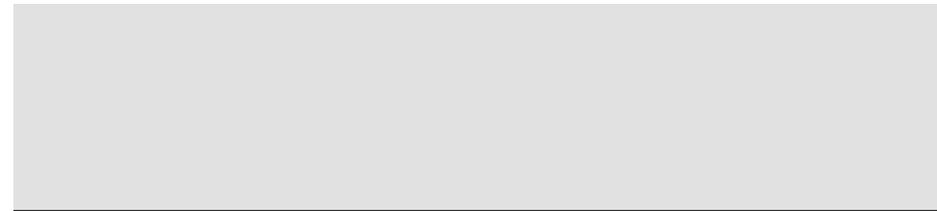
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Left Headlamp Beam Adjustment Motor, Right Headlamp Beam Adjustment Motor

- J519 Vehicle Electrical System Control Module
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V48 Left Headlamp Beam Adjustment Motor
- V49 Right Headlamp Beam Adjustment Motor



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

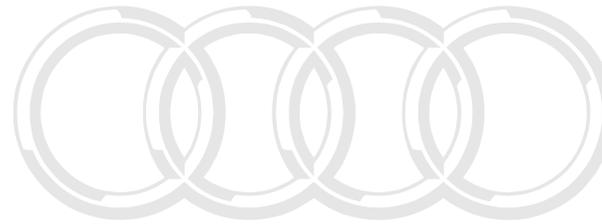
8J0-058050409

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

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module, Right Headlamp Power Output Stage

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J668 Right Headlamp Power Output Stage
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- L177 Right LED Parking Lamp/DRL Module
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- T14b 14-Pin Connector, black, on right headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V295 Right Low Beam Reflector Motor

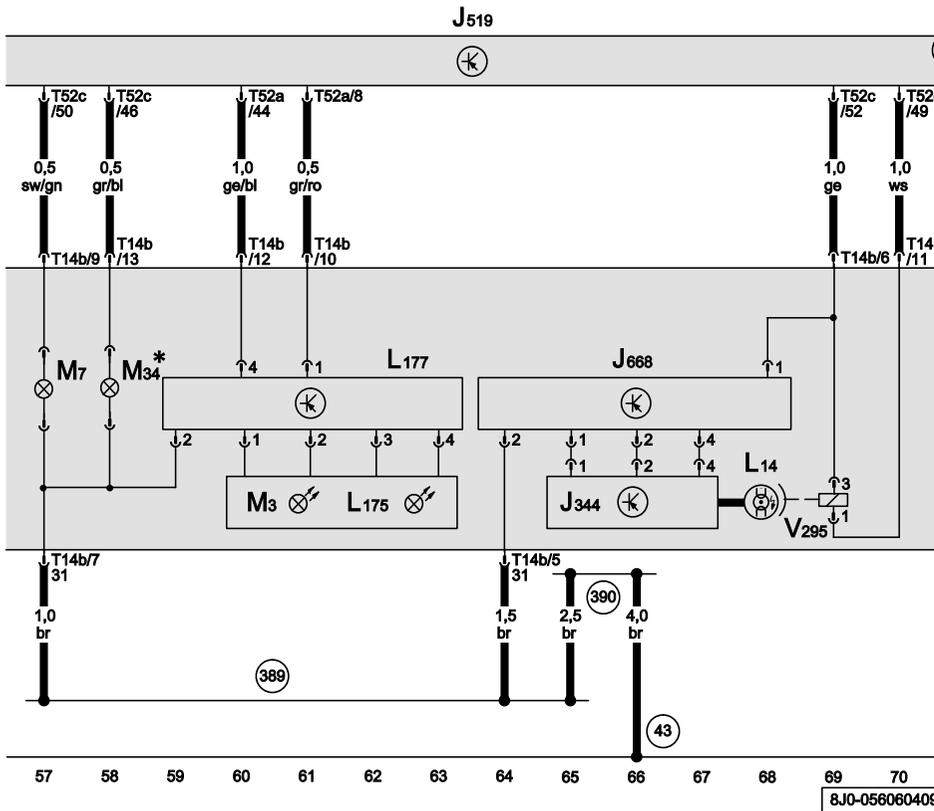
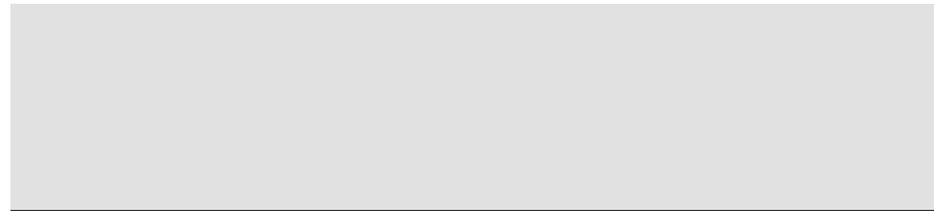
- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- \* Only USA



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



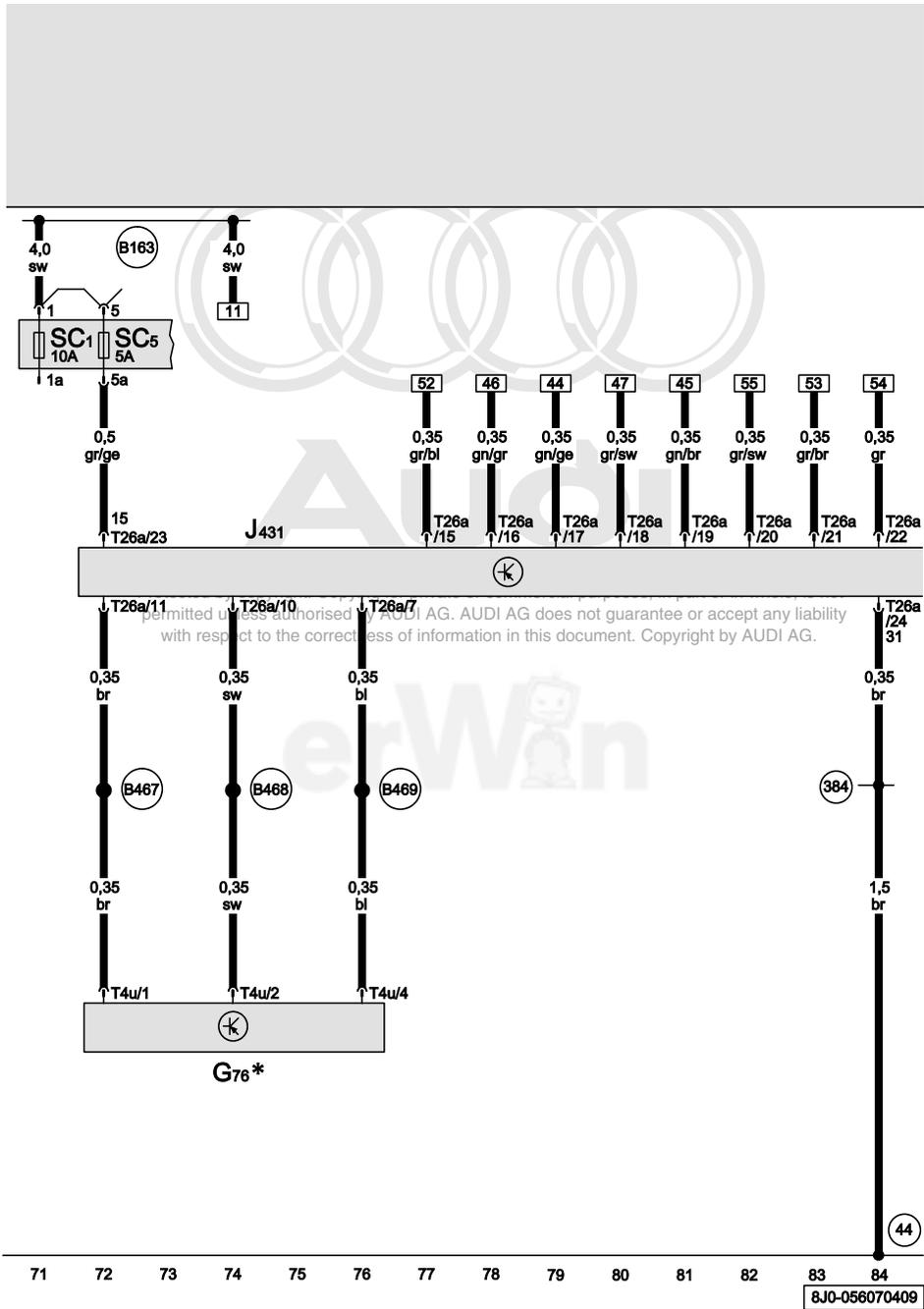
8J0-058060409

Headlamp Range Control Module, Left Rear Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- J431 Headlamp Range Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)

\* Not for electronic damping



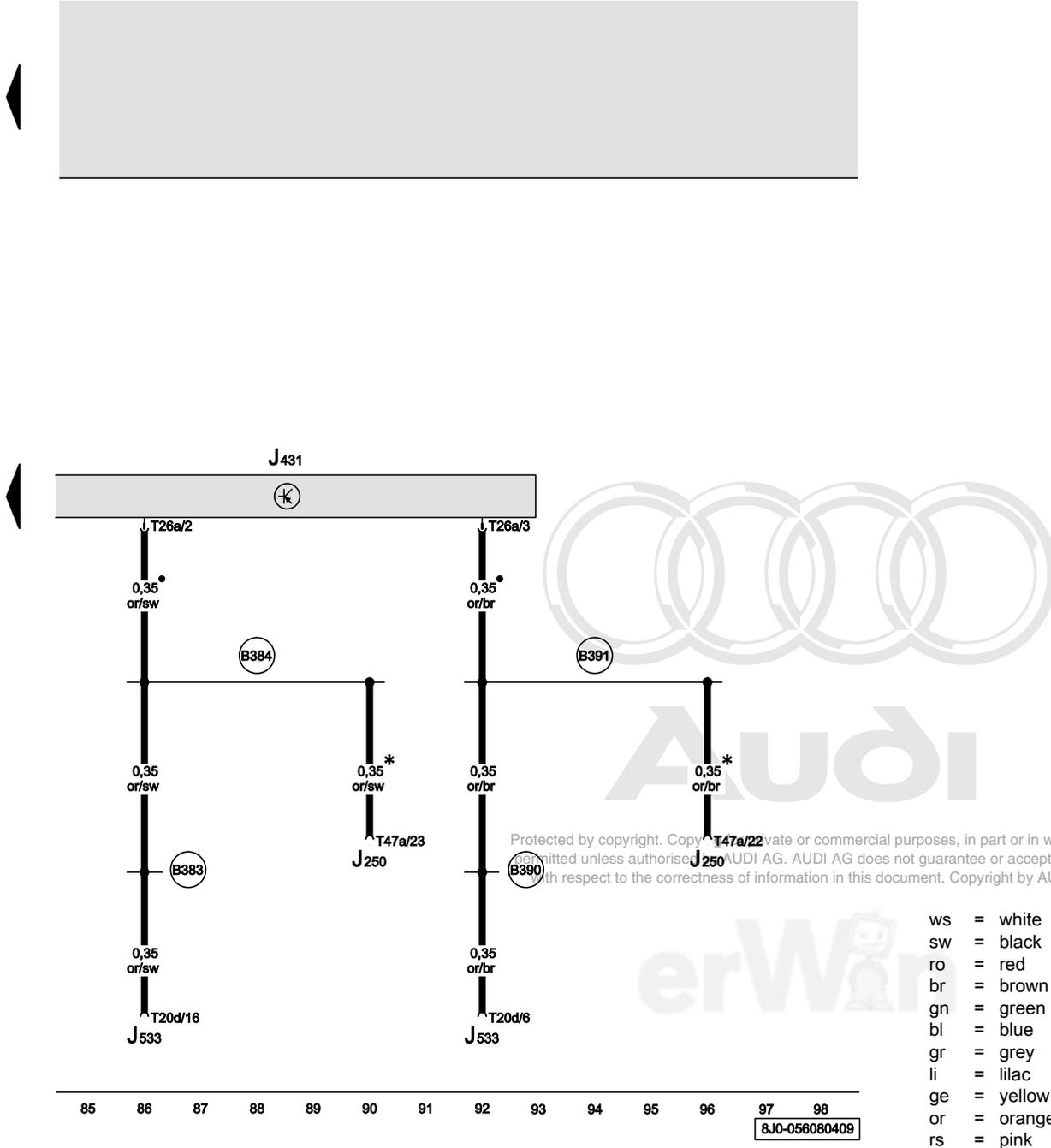
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with electronic damping



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Headlamp with High-Intensity Gas Discharge Lamp (Bixenon), Cornering Lamp and Automatic Headlamp Range Control

⇒ Parking Light and Daytime Running Light with Light Emitting Diode (LED)

from June 2009

### Note:

Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

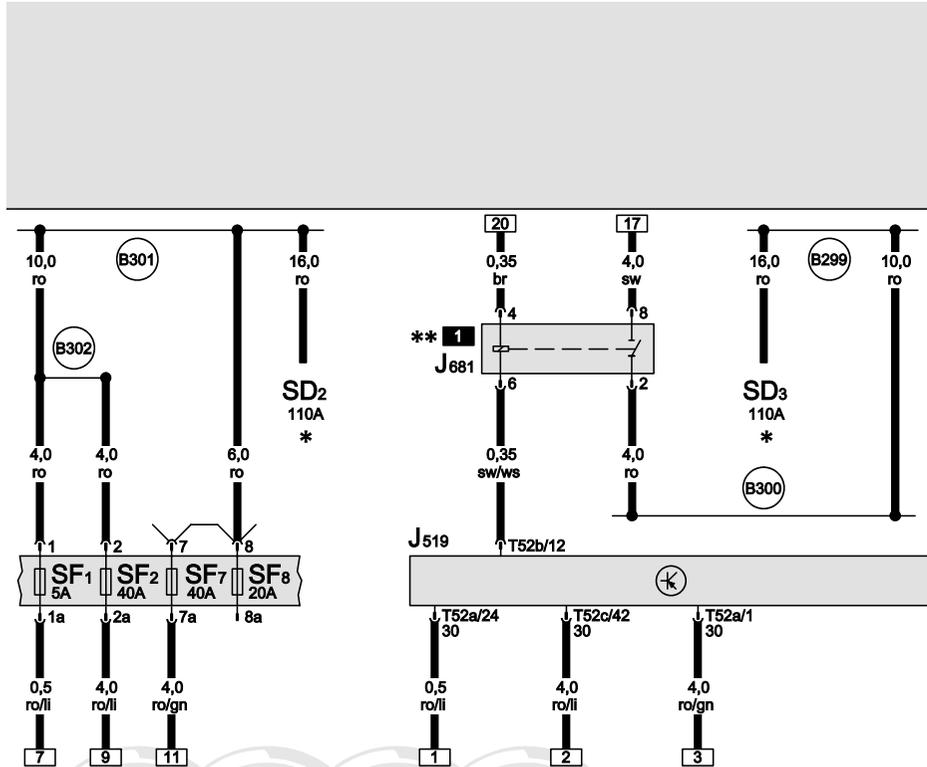
- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Vehicle Electrical System Control Module, Power Supply Relay 2 (terminal 15), Fuses

- J519 Vehicle Electrical System Control Module
- J681 Power Supply Relay 2 (terminal 15)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- (B299) Plus Connection 3 (30) (in main wiring harness)
- (B300) Plus Connection 4 (30) (in main wiring harness)
- (B301) Plus Connection 5 (30) (in main wiring harness)
- (B302) Plus Connection 6 (30) (in main wiring harness)
- \* Main fuse panel, in right rear luggage compartment on battery
- \*\* Relay Carrier on Vehicle Electrical System Control Module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

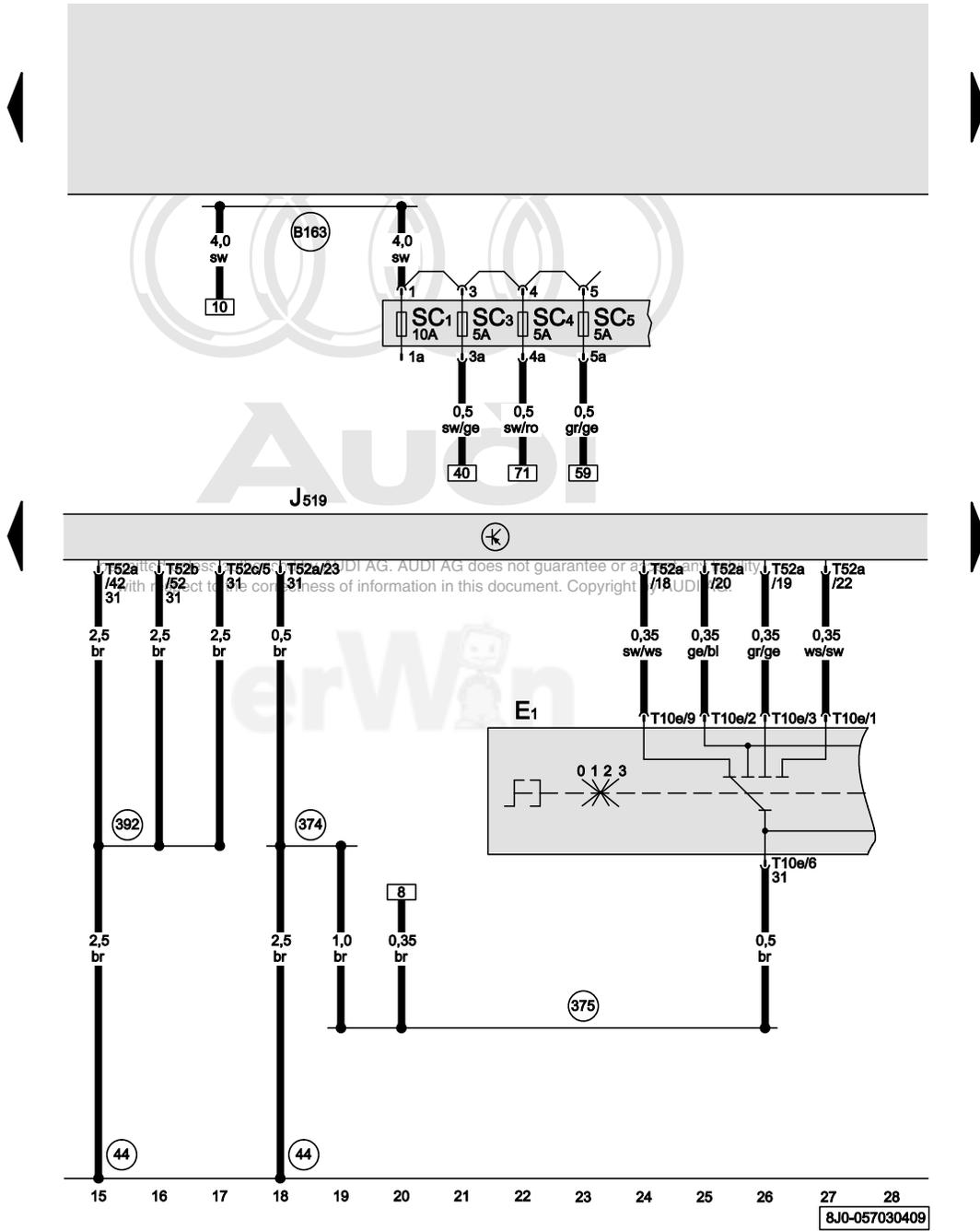
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Light Switch

- E1 Light Switch
- J519 Vehicle Electrical System Control Module
- SC1 Fuse 1 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- T10e 10-Pin Connector, black (Connector A), on light switch
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52b 52-Pin Connector, yellow, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module

- 44 Ground Connection (on left lower A-pillar)
- 374 Ground Connection 9 (in main wiring harness)
- 375 Ground Connection 10 (in main wiring harness)
- 392 Ground Connection 27 (in main wiring harness)
- B163 Plus Connection 1 (15) (in interior wiring harness)

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



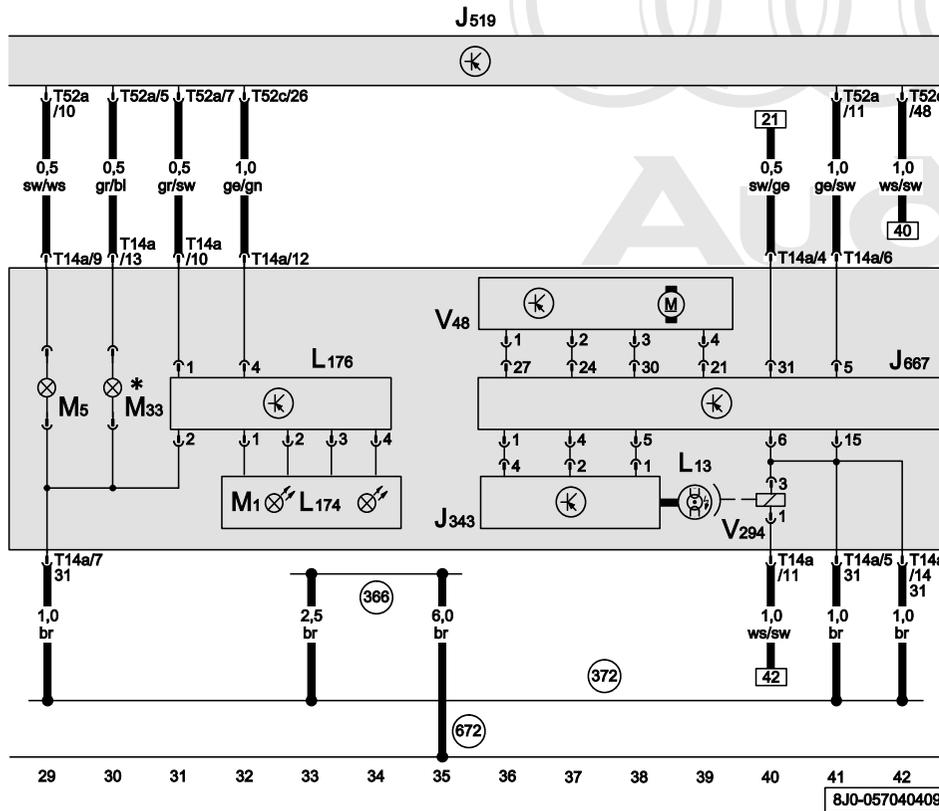
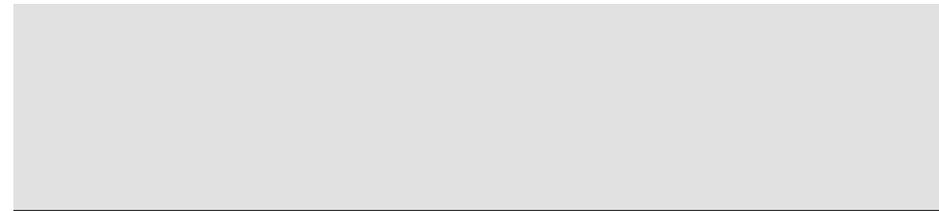
8J0-057030409

Vehicle Electrical System Control Module, Left High-intensity Gas Discharge Lamp Control Module, Left Headlamp Power Output Stage

- J343 Left High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- L13 Left High Intensity Gas Discharge (HID) Lamp
- L174 Left Daytime Running Lamp (DRL) Lamp
- L176 Left LED Parking Lamp/DRL Module
- M1 Left Parking Lamp
- M5 Left Front Turn Signal Lamp
- M33 Left Front Side Marker Lamp
- T14a 14-Pin Connector, black, on left headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V48 Left Headlamp Beam Adjustment Motor
- V294 Left Low Beam Reflector Motor

- 366 Ground Connection 1 (in main wiring harness)
- 372 Ground Connection 7 (in main wiring harness)
- 672 Ground Connection 2 (on left front long member)

\* Only USA



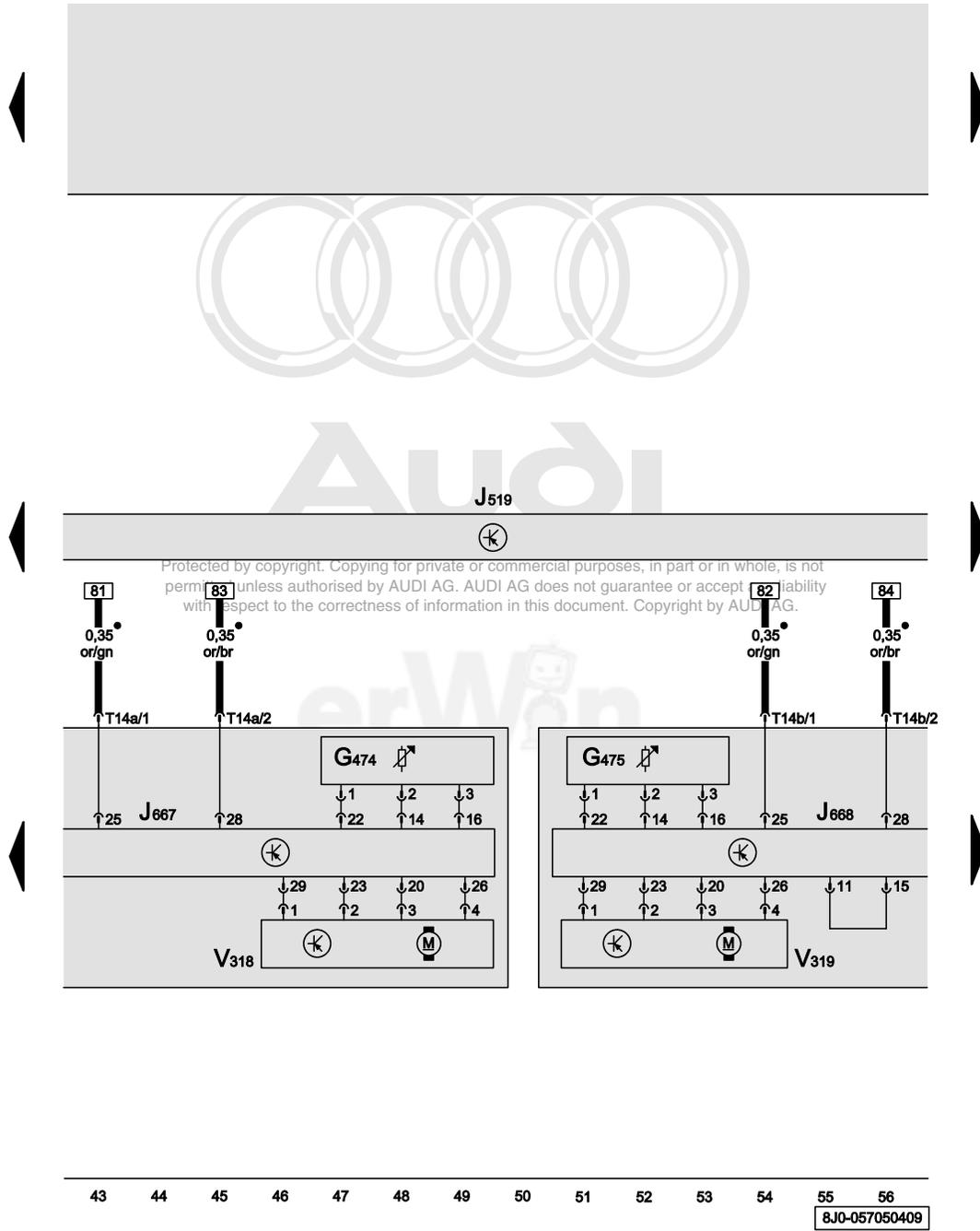
poses, in part or in whole, is not guarantee or accept any liability ent. Copyright by AUDI AG.

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

8J0-057040409

Vehicle Electrical System Control Module, Left Headlamp Power Output Stage, Right Headlamp Power Output Stage, Swivel Module Position Sensor, Dynamic Cornering Light Motor

- G474 Left Swivel Module Position Sensor
- G475 Right Swivel Module Position Sensor
- J519 Vehicle Electrical System Control Module
- J667 Left Headlamp Power Output Stage
- J668 Right Headlamp Power Output Stage
- T14a 14-Pin Connector, black, on left headlamp
- T14b 14-Pin Connector, black, on right headlamp
- V318 Left Dynamic Cornering Light Motor
- V319 Right Dynamic Cornering Light Motor
  - CAN-Bus (data wire)



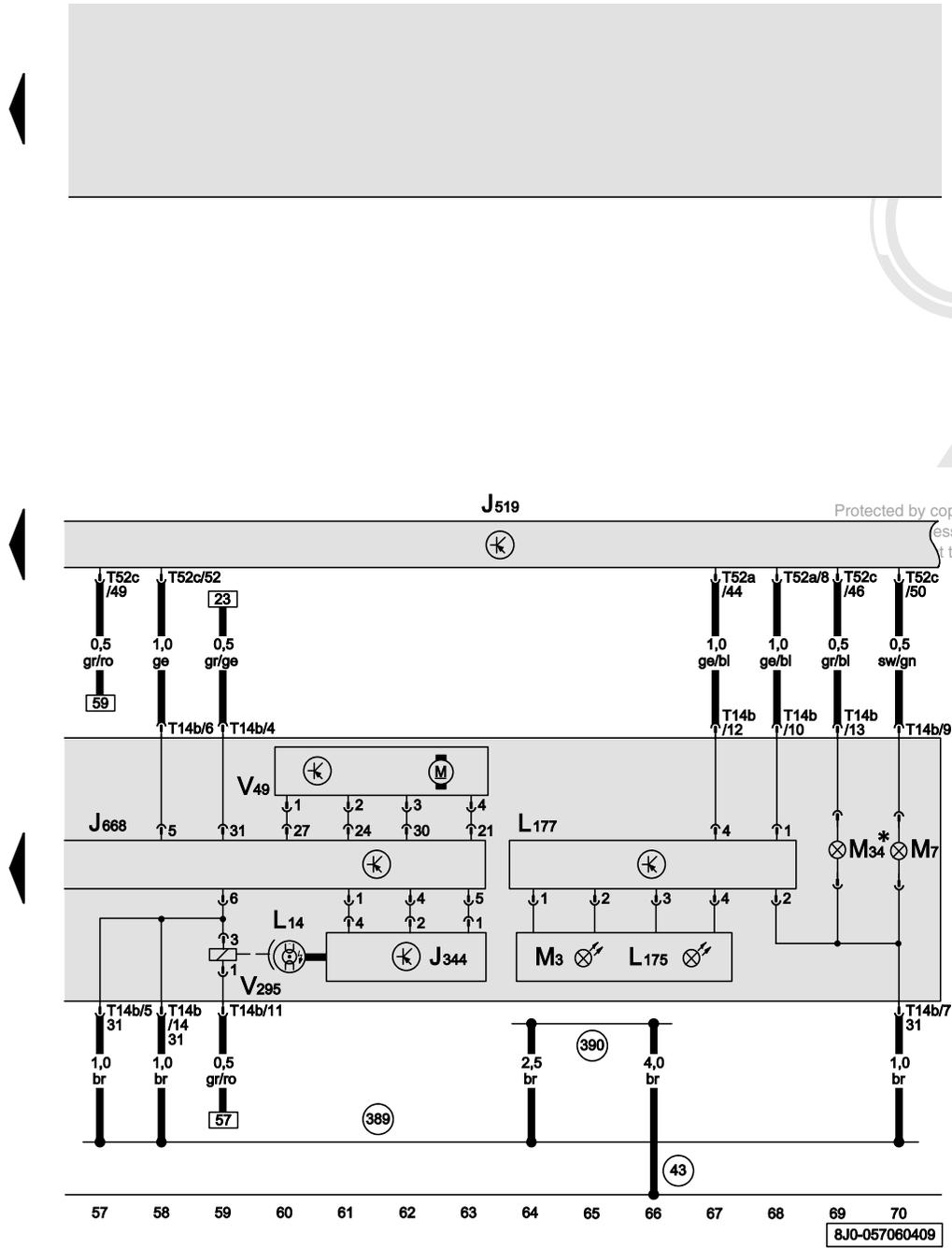
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Vehicle Electrical System Control Module, Right High-intensity Gas Discharge Lamp Control Module, Right Headlamp Power Output Stage

- J344 Right High-intensity Gas Discharge Lamp Control Module
- J519 Vehicle Electrical System Control Module
- J668 Right Headlamp Power Output Stage
- L14 Right High Intensity Gas Discharge (HID) Lamp
- L175 Right Daytime Running Lamp (DRL) Lamp
- L177 Right LED Parking Lamp/DRL Module
- M3 Right Parking Lamp
- M7 Right Front Turn Signal Lamp
- M34 Right Front Side Marker Lamp
- T14b 14-Pin Connector, black, on right headlamp
- T52a 52-Pin Connector, black, on vehicle electrical system control module
- T52c 52-Pin Connector, brown, on vehicle electrical system control module
- V49 Right Headlamp Beam Adjustment Motor
- V295 Right Low Beam Reflector Motor

- 43 Ground Connection (on right lower A-pillar)
- 389 Ground Connection 24 (in main wiring harness)
- 390 Ground Connection 25 (in main wiring harness)
- \* Only USA

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not authorised by AUDI AG. AUDI AG does not guarantee or accept any liability to the correctness of information in this document. Copyright by AUDI AG.



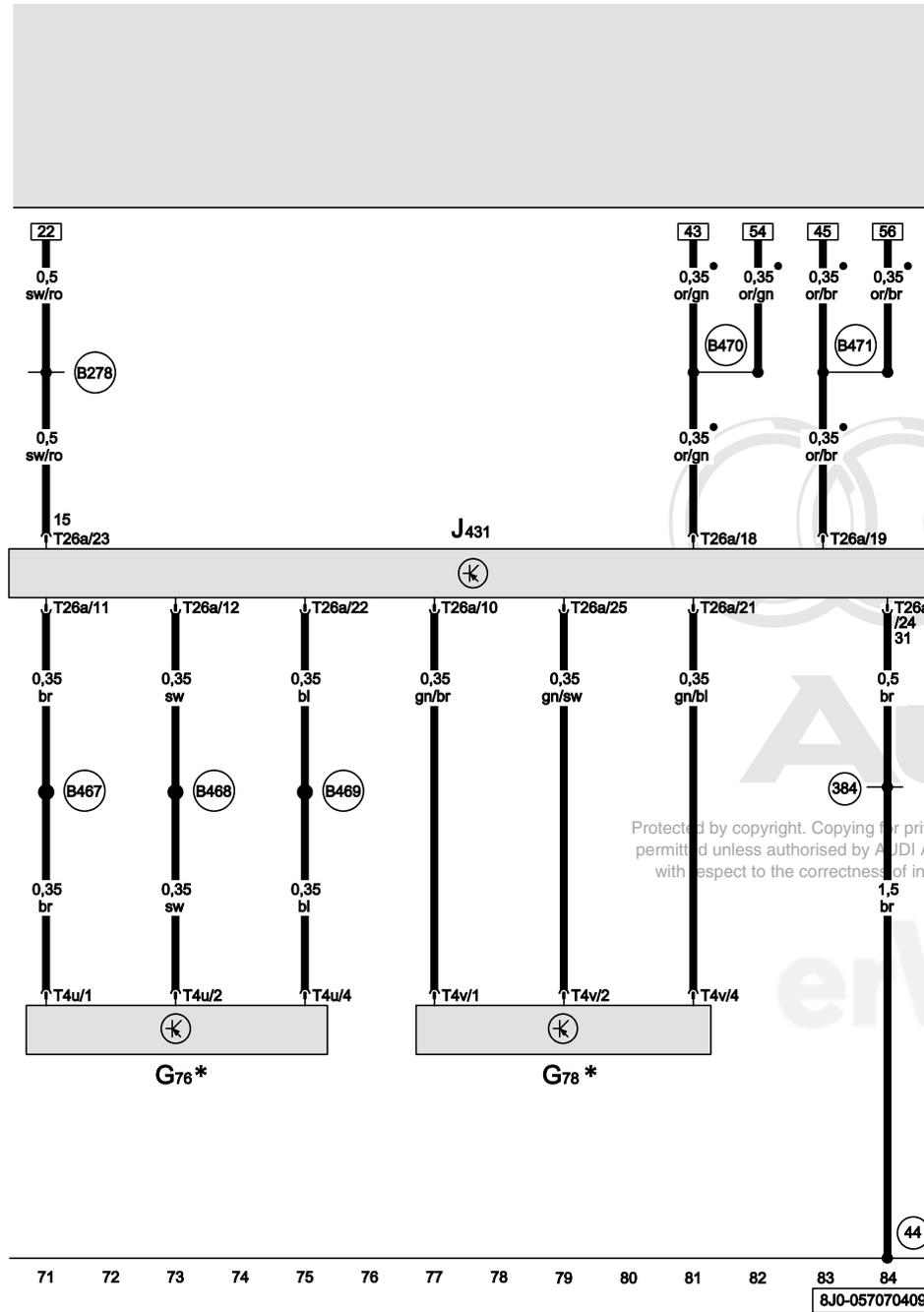
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Headlamp Range Control Module, Left Rear Level Control System Sensor, Left Front Level Control System Sensor

- G76 Left Rear Level Control System Sensor
- G78 Left Front Level Control System Sensor
- J431 Headlamp Range Control Module
- T4u 4-Pin Connector, black, on left rear level control system sensor
- T4v 4-Pin Connector, black, on left front level control system sensor
- T26a 26-Pin Connector, black, on headlamp range control module

- 44 Ground Connection (on left lower A-pillar)
- 384 Ground Connection 19 (in main wiring harness)
- B278 Plus Connection 2 (15a) (in main wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)
- B470 Connection 6 (in main wiring harness)
- B471 Connection 7 (in main wiring harness)

- CAN-Bus (data wire)
- \* Not for electronic damping



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

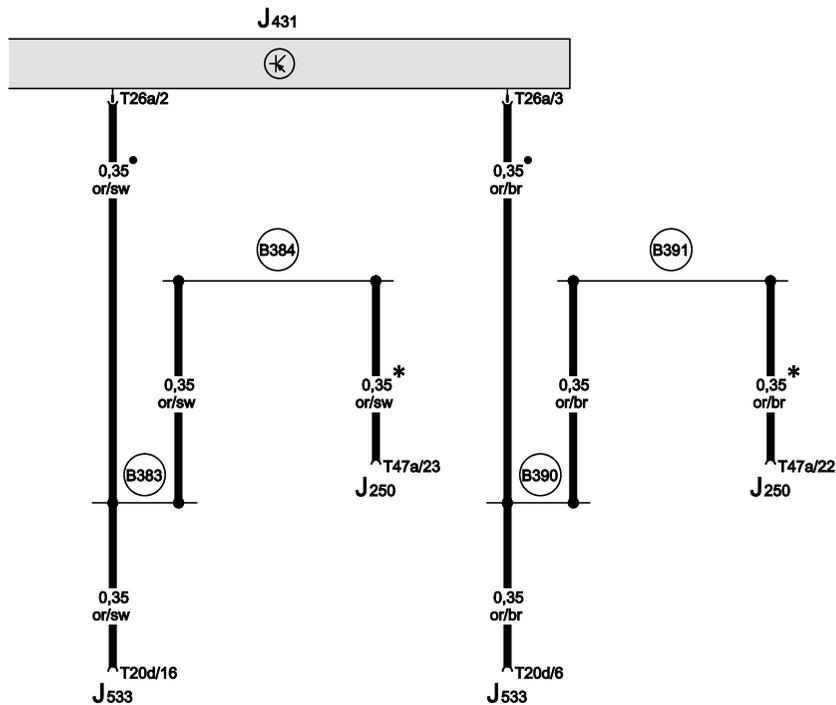
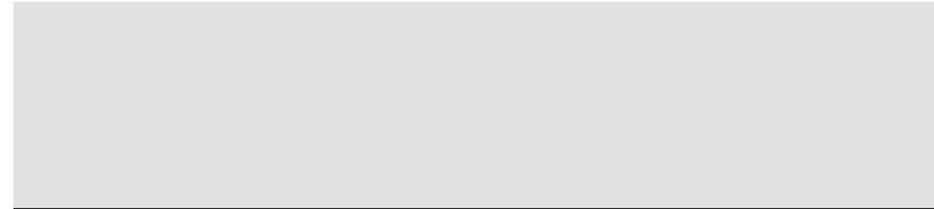
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Headlamp Range Control Module, CAN-Bus Wiring

- J250 Electronic Damping Control Module
- J431 Headlamp Range Control Module
- J533 Data Bus On Board Diagnostic Interface
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T26a 26-Pin Connector, black, on headlamp range control module
- T47a 47-Pin Connector, on electronic damping control module

- B383 Powertrain CAN-Bus High Connection 1 (in main wiring harness)
- B384 Powertrain CAN-Bus High Connection 2 (in main wiring harness)
- B390 Powertrain CAN-Bus Low Connection 1 (in main wiring harness)
- B391 Powertrain CAN-Bus Low Connection 2 (in main wiring harness)

- CAN-Bus (data wire)
- \* Models with electronic damping



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

## Cellular Telephone Preparation with Bluetooth Interface (9ZX)

from June 2009

### Note:

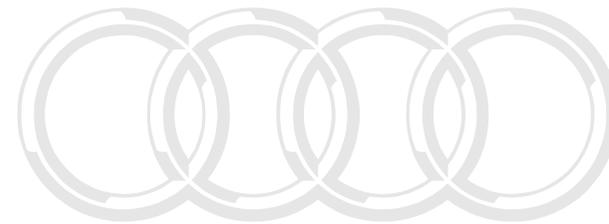
Information for

- ◆ Relay and fuse arrangements
- ◆ Connector arrangements
- ◆ Control Modules and Relays
- ◆ Ground connections

⇒ Component Locations

Information for

- ◆ Troubleshooting Procedures
- ⇒ Guided Fault Finding using VAS 5051 / 5052



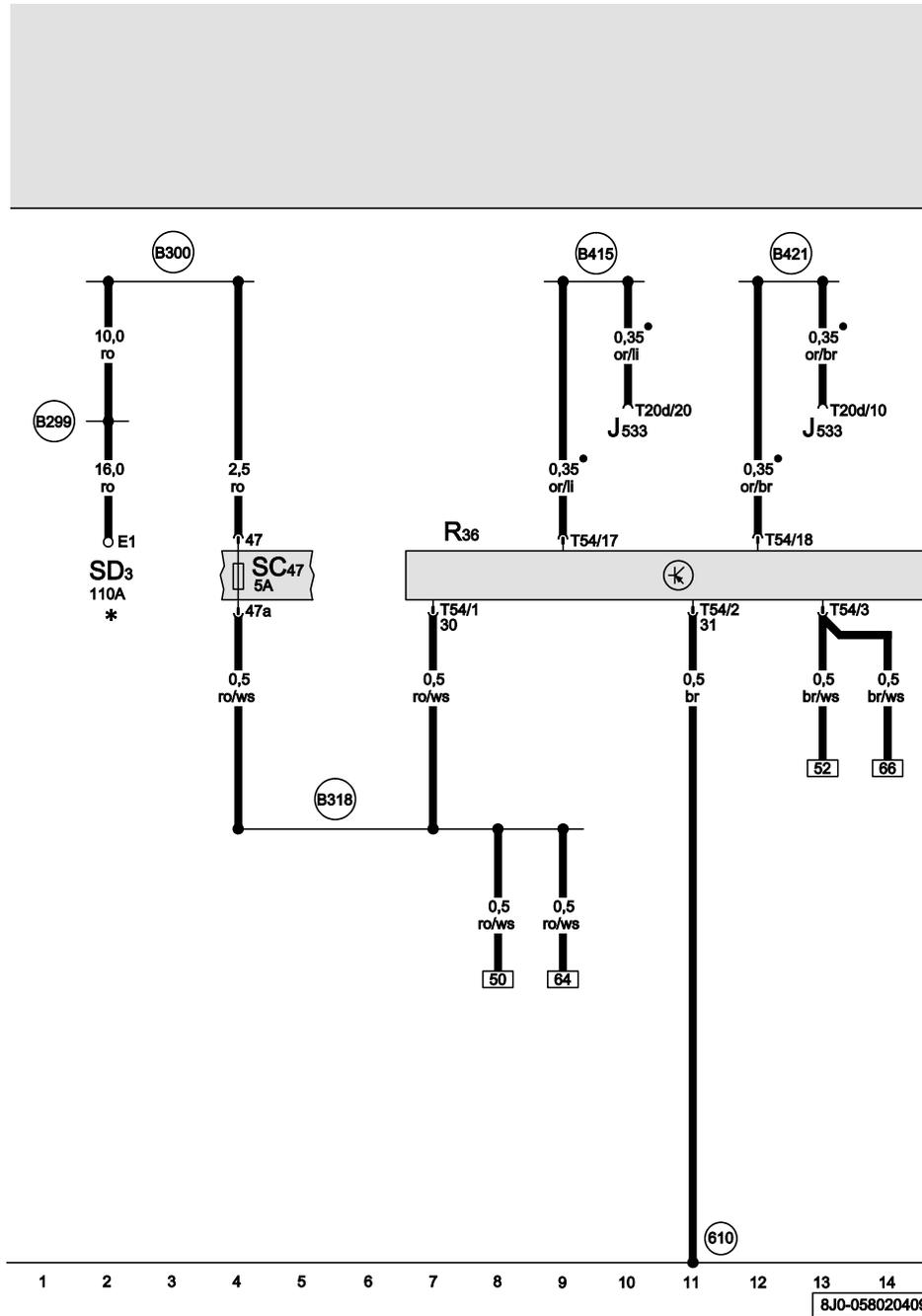
# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Telephone Transceiver, Fuses

- J533 Data Bus On Board Diagnostic Interface
- R36 Telephone Transceiver
- SC47 Fuse 47 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- T20d 20-Pin Connector, black, on data bus on board diagnostic interface
- T54 54-Pin Connector (Connector A), on telephone transceiver
- 610 Ground Connection (Audio) (under center console, front)
- B299 Plus Connection 3 (30) (in main wiring harness)
- B300 Plus Connection 4 (30) (in main wiring harness)
- B318 Plus Connection 4 (30a) (in main wiring harness)
- B415 Infotainment CAN-Bus High Connection 1 (in main wiring harness)
- B421 Infotainment CAN-Bus Low Connection 1 (in main wiring harness)
- CAN-Bus (data wire)
- \* Main fuse panel, in right rear luggage compartment on battery

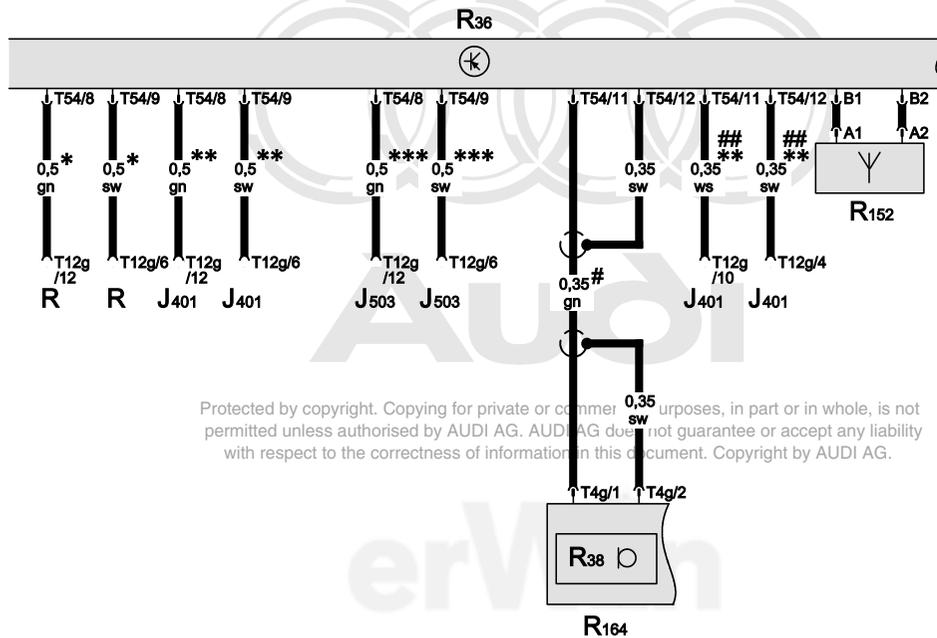
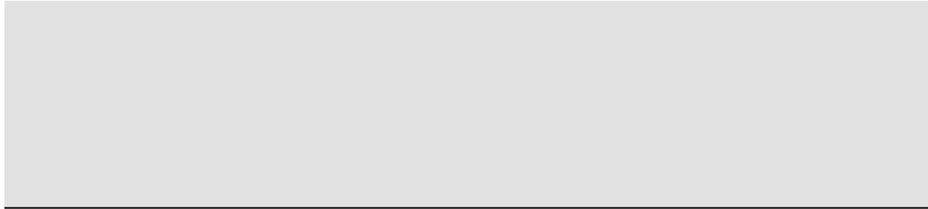


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Telephone Transceiver, Bluetooth Antenna, Microphone Unit (in front roof module)

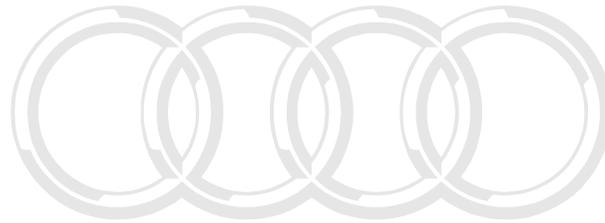
- J401 Navigation System Control Module with CD Drive
- J503 Radio/Navigation Display Control Module
- R Radio
- R36 Telephone Transceiver
- R38 Telephone Microphone
- R152 Bluetooth Antenna
- R164 Microphone Unit (in front roof module)
- T4g 4-Pin Connector, black, on microphone unit (in front roof module)
- T12g 12-Pin Connector, green, radio connector C
- T54 54-Pin Connector (Connector A), on telephone transceiver
- \* Models with radio
- \*\* Models with navigation system RNS-E (7Q2)
- \*\*\* Models with navigation system RNS-Low (7Q9)
- # Models without voice control
- ## Models with voice control



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## 7-speed dual clutch transmission 0B5 (S tronic)

From June 2010



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

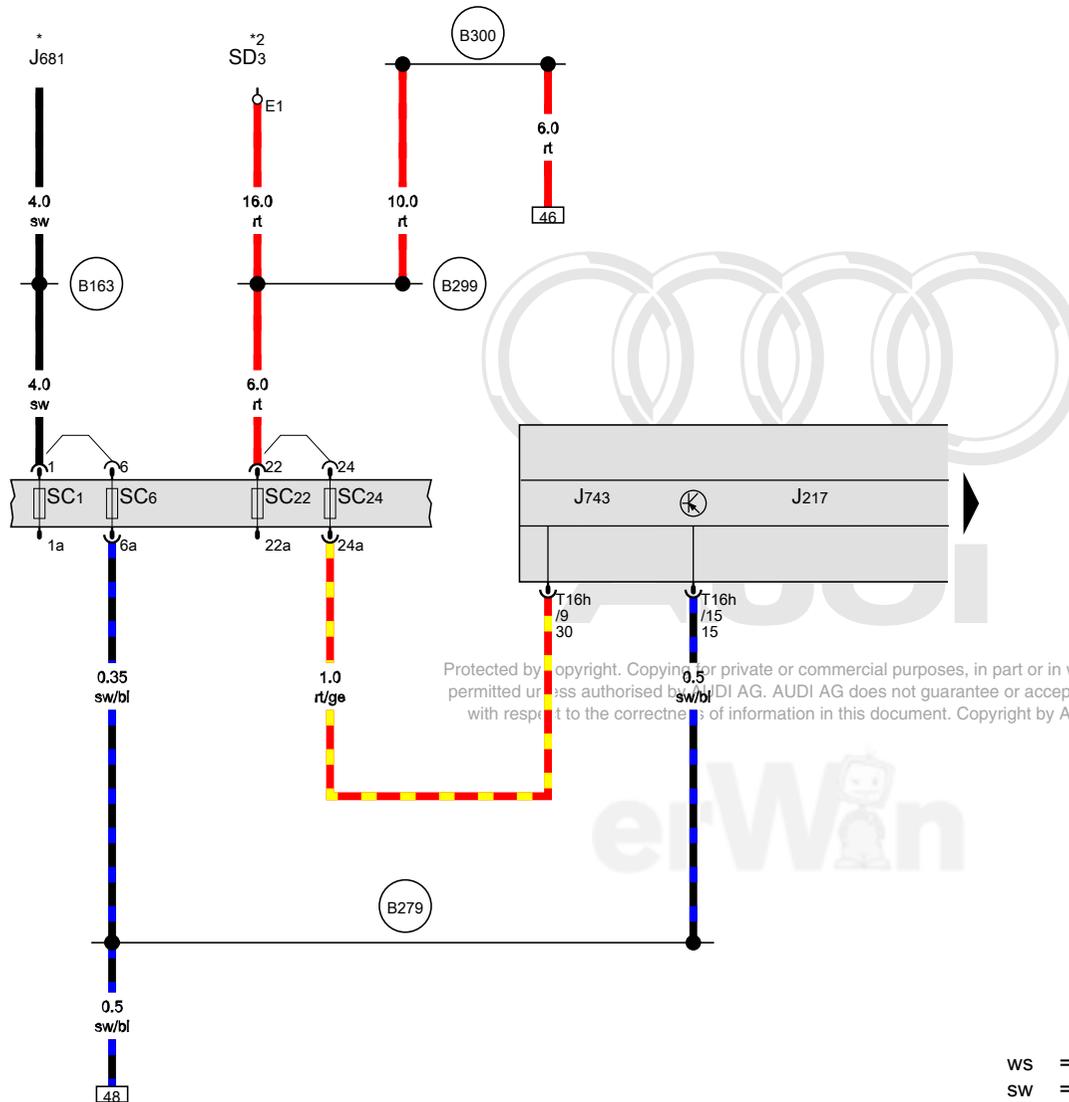


DSG transmission Mechatronic

- J217 Transmission control module
- J681 Terminal 15 power supply relay 2
- J743 DSG transmission Mechatronic
- SC1 Fuse 1 (on fuse panel C)
- SD3 Fuse 3 (on fuse panel D)
- SC6 Fuse 6 (on fuse panel C)
- SC22 Fuse 22 (on fuse panel C)
- SC24 Fuse 24 (on fuse panel C)
- T16h 16-pin connector

- B163 Positive connection 1 (15) (in interior wiring harness)
- B279 Positive connection 3 (15a) (in main wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Main fuse box in the right rear luggage compartment, at the battery



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

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

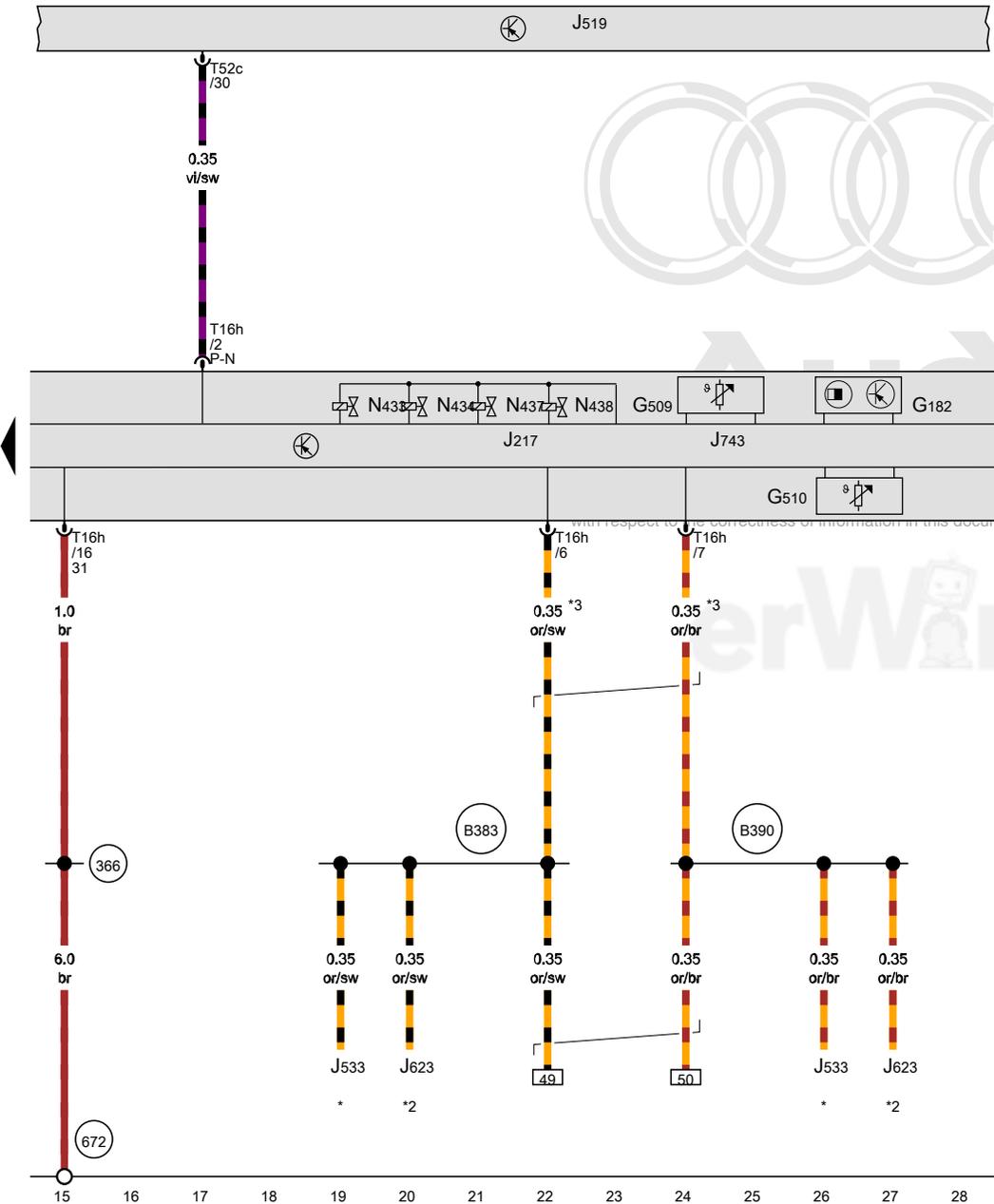
18.10-059020410 1

DSG transmission Mechatronic, Sub-transmission 1 valve 1

- G182 Transmission input speed sensor
- G509 Clutch oil temperature sensor
- G510 Temperature sensor in control module
- J217 Transmission control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- N433 Sub-transmission 1 valve 1
- N434 Sub-transmission 1 valve 2
- N437 Sub-transmission 2 valve 1
- N438 Sub-transmission 2 valve 2
- T16h 16-pin connector
- T52c 52-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 672 Ground connection 2 on left front longitudinal member
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 Data bus wire (CAN bus)



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

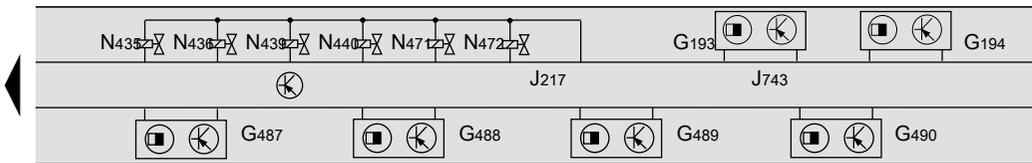
18.10-059030410



DSG transmission Mechatronic

- G193 Automatic transmission hydraulic pressure sensor 1
- G194 Automatic transmission hydraulic pressure sensor 2
- G487 Gear position distance sensor 1
- G488 Gear position distance sensor 2
- G489 Gear position distance sensor 3
- G490 Gear position distance sensor 4
- J217 Transmission control module
- J743 DSG transmission Mechatronic
- N435 Sub-transmission 1 valve 3
- N436 Sub-transmission 1 valve 4
- N439 Sub-transmission 2 valve 3
- N440 Sub-transmission 2 valve 4
- N471 Cooling oil valve
- N472 Main pressure valve

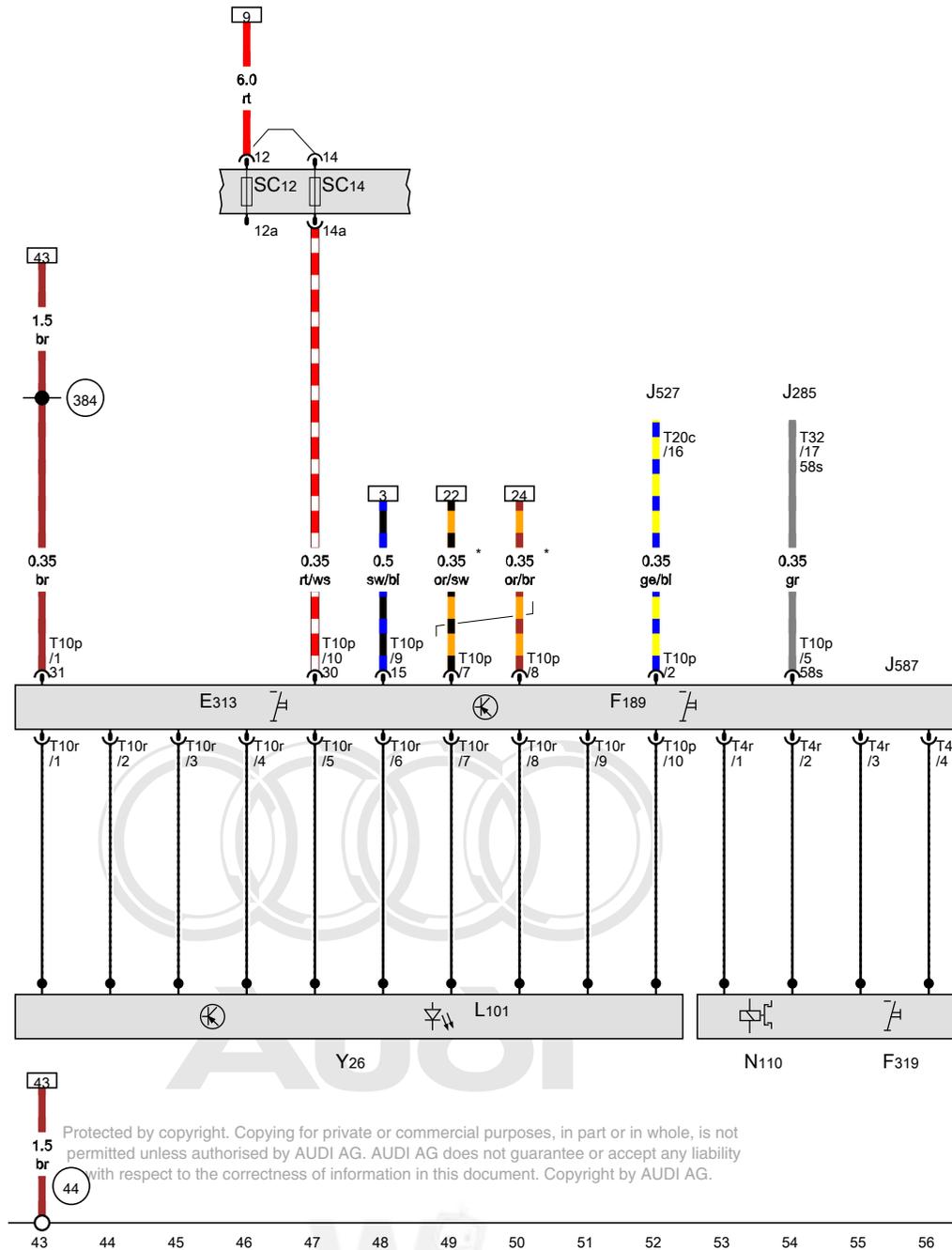
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

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

18.10.0590204101



Selector lever sensor system control module, Shift lock solenoid

- E313 Selector lever
- F189 tiptronic switch
- F319 Selector lever park position lock switch
- J285 Instrument cluster control module
- J527 Steering column electronics control module
- J587 Selector lever sensor system control module
- L101 Selector lever scale illumination bulb
- N110 Shift lock solenoid
- SC12 Fuse 12 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- T4r 4-pin connector
- T10p 10-pin connector
- T10r 10-pin connector
- T20c 20-pin connector
- T32 32-pin connector
- Y26 Selector lever transmission range position display unit

44 Ground connection on A-pillar, lower left

384 Ground connection 19 (in main wiring harness)

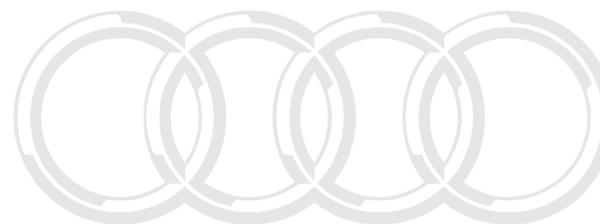
\* Data bus wire (CAN bus)

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## Recuperation

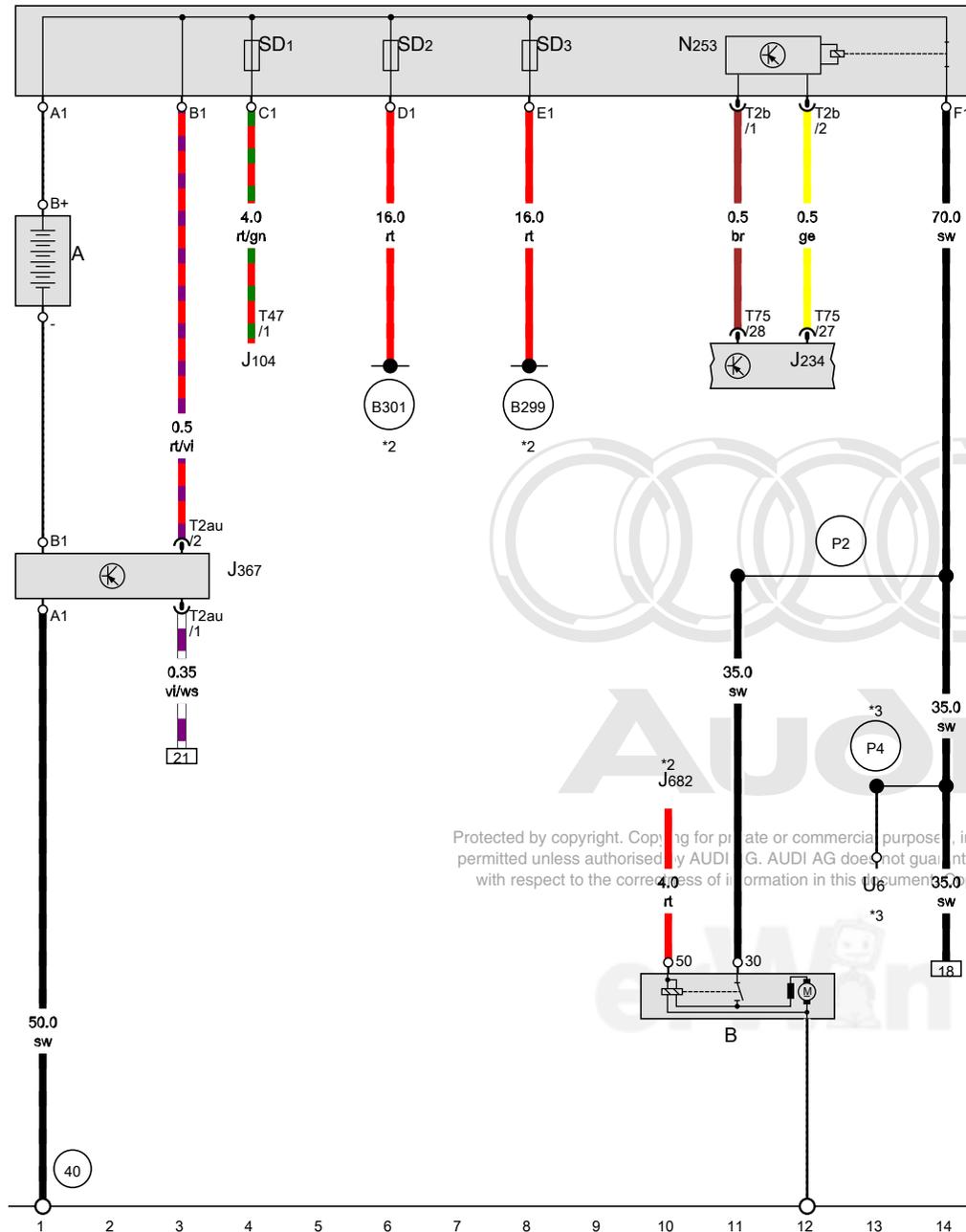
From June 2010



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





**Battery, Starter, Battery monitoring control module, Battery interrupt igniter**

- A Battery
- B Starter
- J104 ABS control module
- J234 Airbag control module
- J367 Battery monitoring control module
- J682 Terminal 50 power supply relay
- N253 Battery interrupt igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2au Double connector
- T2b Double connector
- T47 47-pin connector
- T75 75-pin connector
- U6 Battery jump start terminal

- 40 Ground connection under right rear bench seat
- B299 Positive connection 3 (30) (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- P2 Positive connection (30) (in battery wiring harness)
- P4 Positive connection 2 (30) (in battery wiring harness)

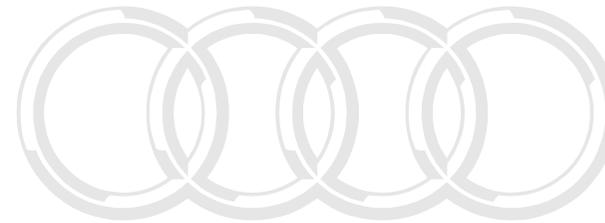
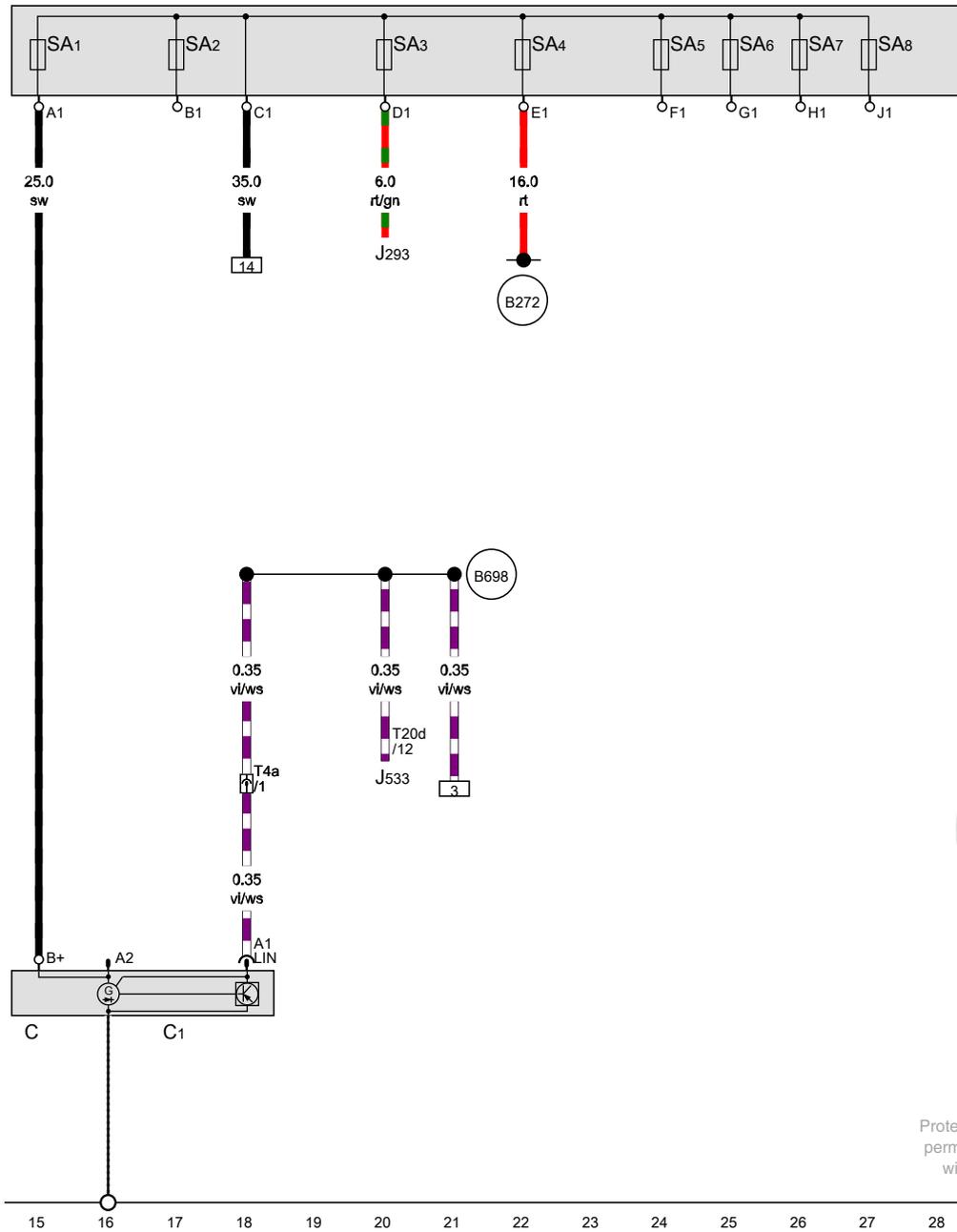
- \* Main fuse box in the right rear luggage compartment, at the battery
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 Only for vehicles with battery jump start terminal

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Generator

- C Generator
- C1 Voltage regulator
- J293 Coolant fan control module
- J533 Data bus on board diagnostic interface
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T4a 4-pin connector, in the engine compartment, left front
- T20d 20-pin connector
-  Positive connection (30) (in main wiring harness)
-  LIN bus connection 3 (in main wiring harness)
- \* Main fuse carrier in left plenum chamber E-box



Audi

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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Γ 8.10-060030410 1

2.0L gasoline engine , CESA,CETA

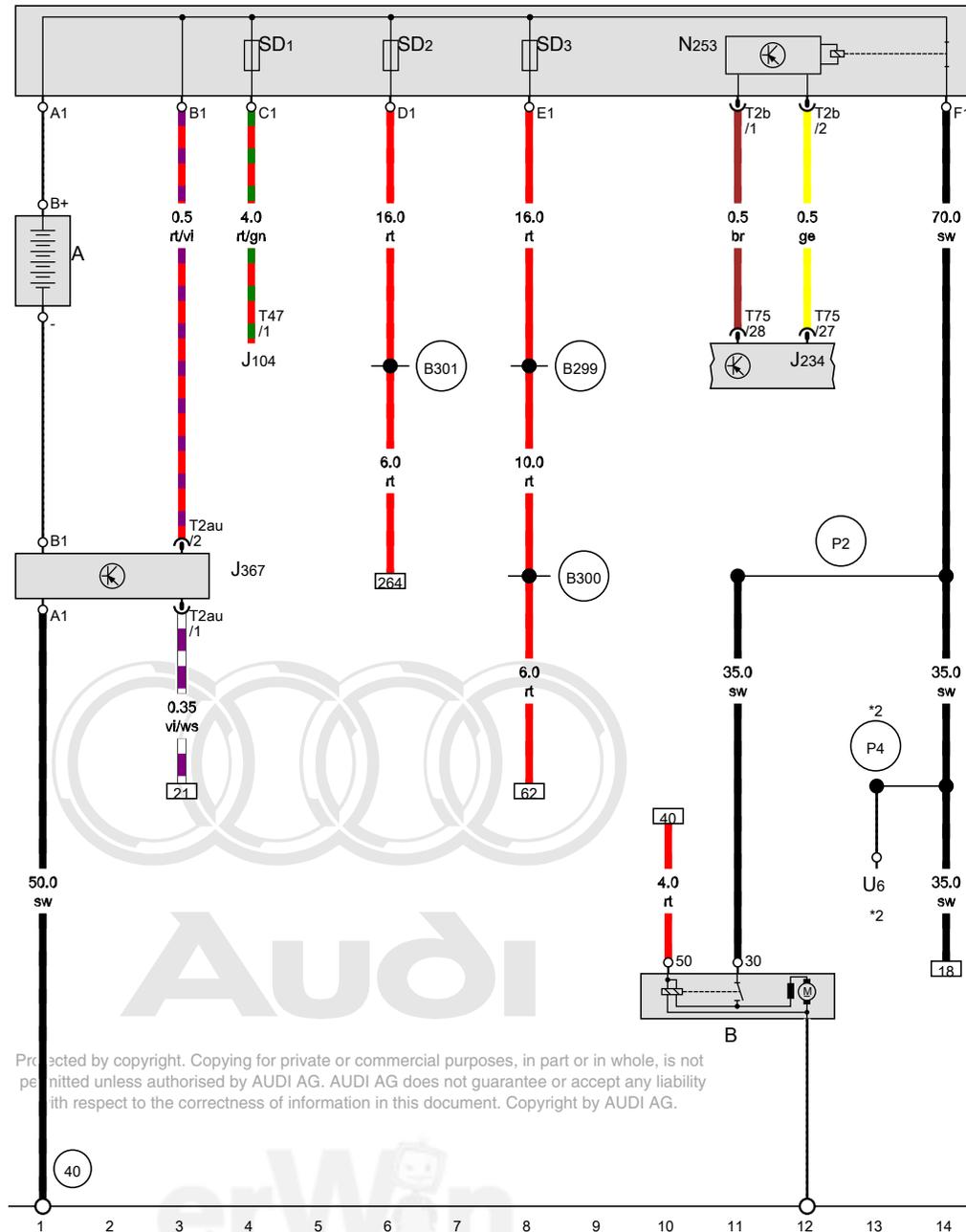
From June 2010



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

**Battery, Starter, Battery monitoring control module, Battery interrupt igniter**

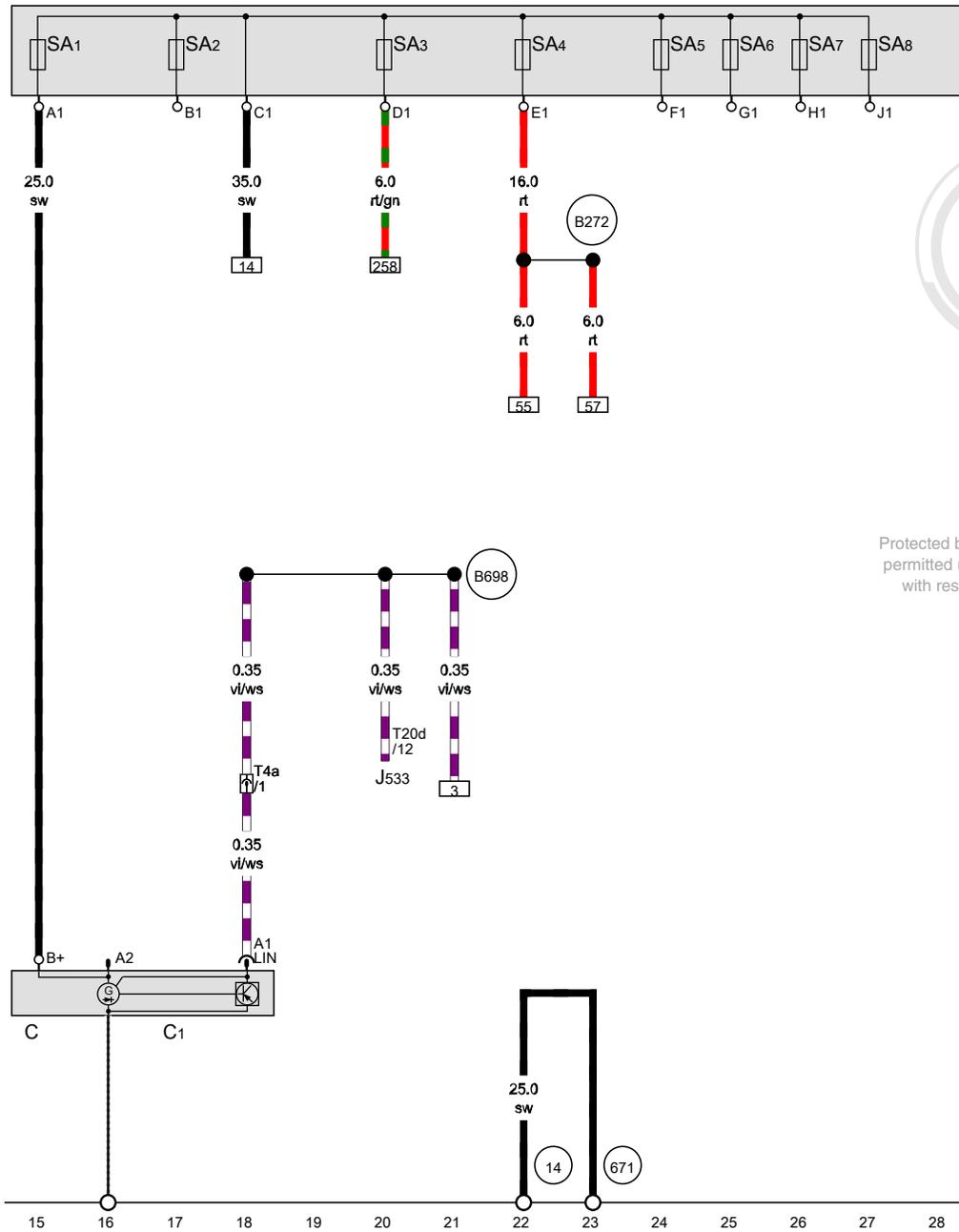
- A Battery
- B Starter
- J104 ABS control module
- J234 Airbag control module
- J367 Battery monitoring control module
- N253 Battery interrupt igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2au Double connector
- T2b Double connector
- T47 47-pin connector
- T75 75-pin connector
- U6 Battery jump start terminal
- 40 Ground connection under right rear bench seat
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- P2 Positive connection (30) (in battery wiring harness)
- P4 Positive connection 2 (30) (in battery wiring harness)
- \* Main fuse box in the right rear luggage compartment, at the battery
- \*2 Only for vehicles with battery jump start terminal

8.10-061020411

Generator

- C Generator
- C1 Voltage regulator
- J533 Data bus on board diagnostic interface
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T4a 4-pin connector, in the engine compartment, left front
- T20d 20-pin connector

- 14 Ground connection on transmission
- 671 Ground connection 1 on left front longitudinal member
- B272 Positive connection (30) (in main wiring harness)
- B698 LIN bus connection 3 (in main wiring harness)
- \* Main fuse carrier in left plenum chamber E-box



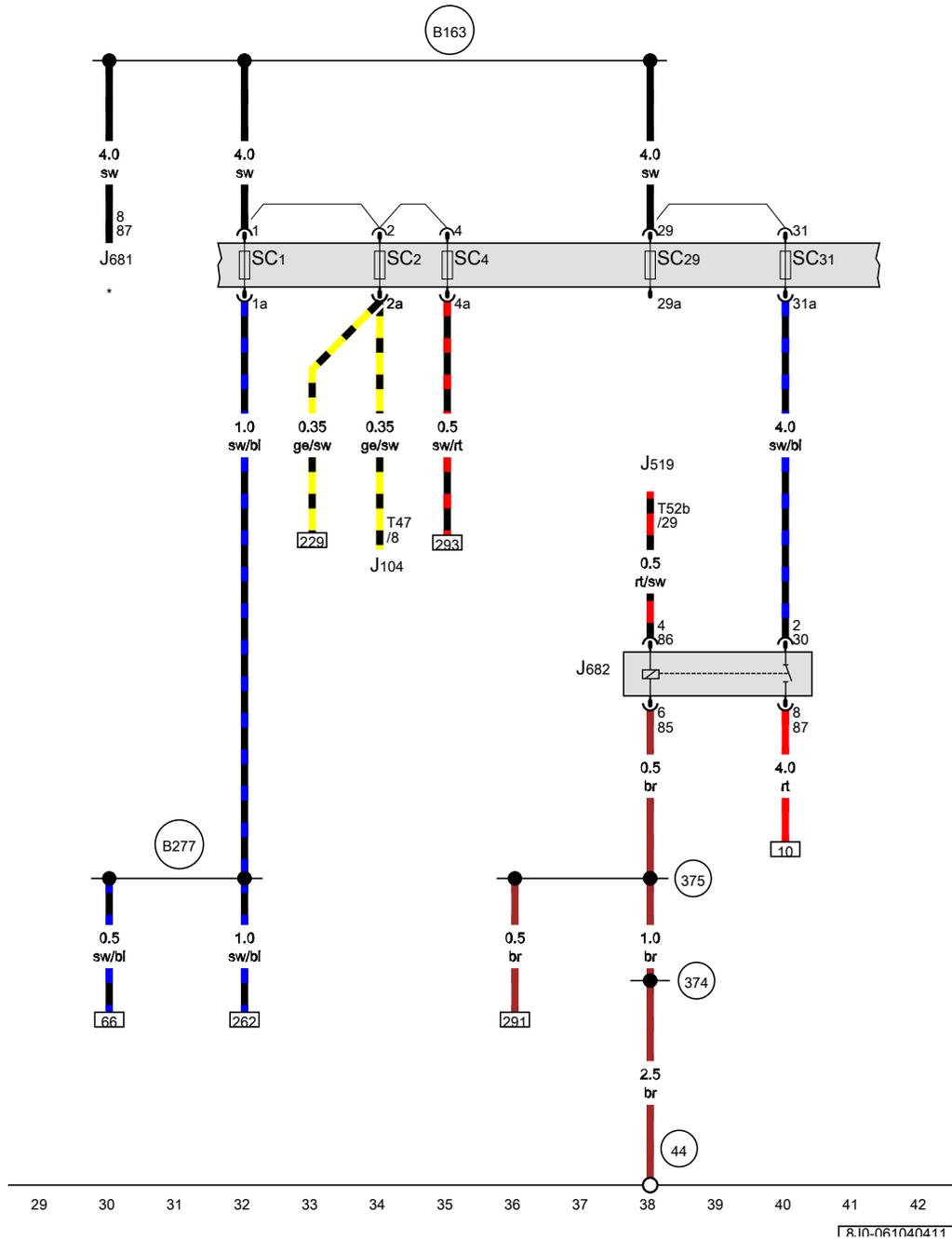
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

18.10-061030411

Terminal 50 power supply relay

- J104 ABS control module
- J519 Vehicle electrical system control module
- J681 Terminal 15 power supply relay 2
- J682 Terminal 50 power supply relay
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T47 47-pin connector
- T52b 52-pin connector

- 44 Ground connection on A-pillar, lower left
- 374 Ground connection 9 (in main wiring harness)
- 375 Ground connection 10 (in main wiring harness)
- B163 Positive connection 1 (15) (in interior wiring harness)
- B277 Positive connection 1 (15a) (in main wiring harness)
- \* Relay carrier on the vehicle electrical system control module, under the instrument panel, left



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

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



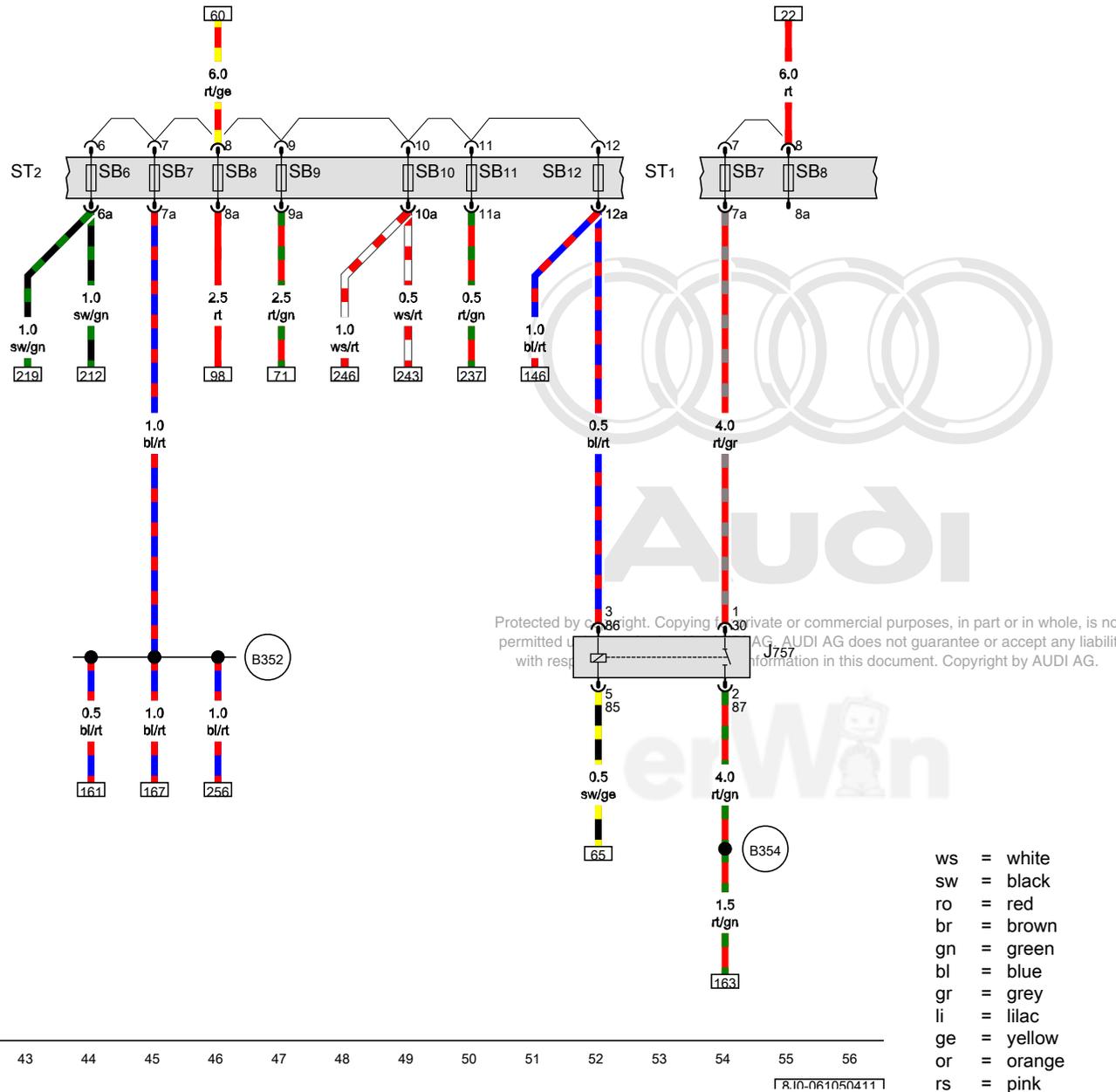
Audi

erWin

Engine component power supply relay

- J757 Engine component power supply relay
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)

- (B352) Positive connection 3 (87a) (in main wiring harness)
- (B354) Positive connection 5 (87a) (in main wiring harness)

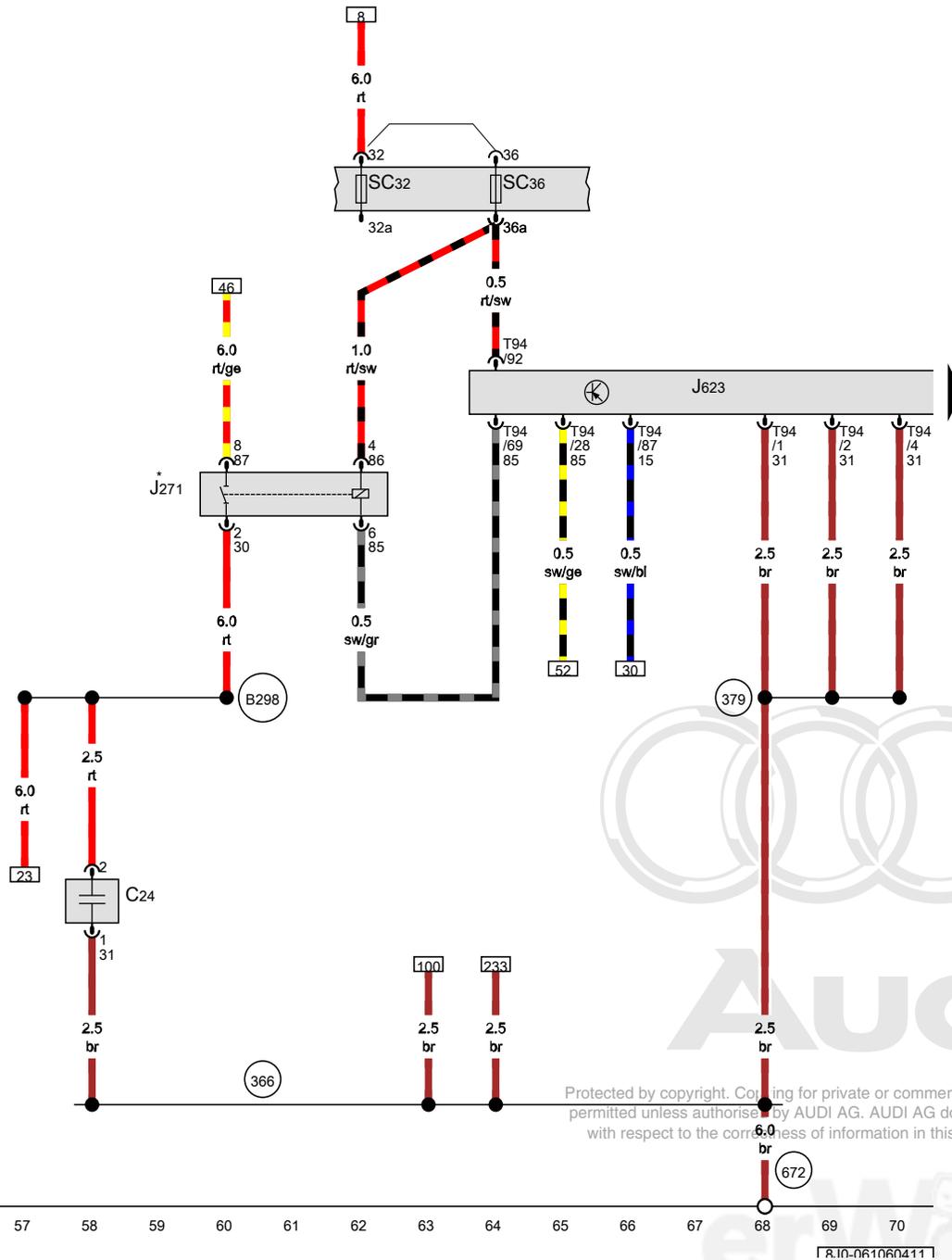


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the written permission of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the information in this document. Copyright by AUDI AG.

Suppressor, Motronic engine control module power supply relay, Engine control module

- C24 Suppressor
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T94 94-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 379 Ground connection 14 (in main wiring harness)
- 672 Ground connection 2 on left front longitudinal member
- B298 Positive connection 2 (30) (in main wiring harness)
- \* Relay and fuse carrier in the engine compartment E-box



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

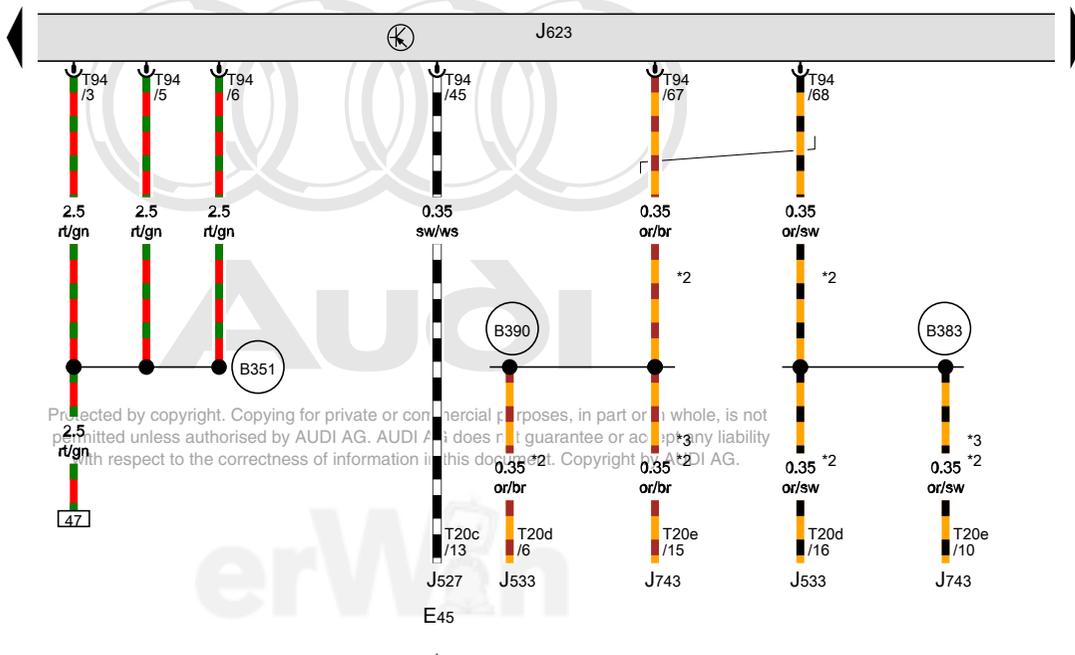
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. © 2011 by AUDI AG.

Engine control module

- E45 Cruise control switch
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T20c 20-pin connector
- T20d 20-pin connector
- T20e 20-pin connector
- T94 94-pin connector

- B351 Positive connection 2 (87a) (in main wiring harness)
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)

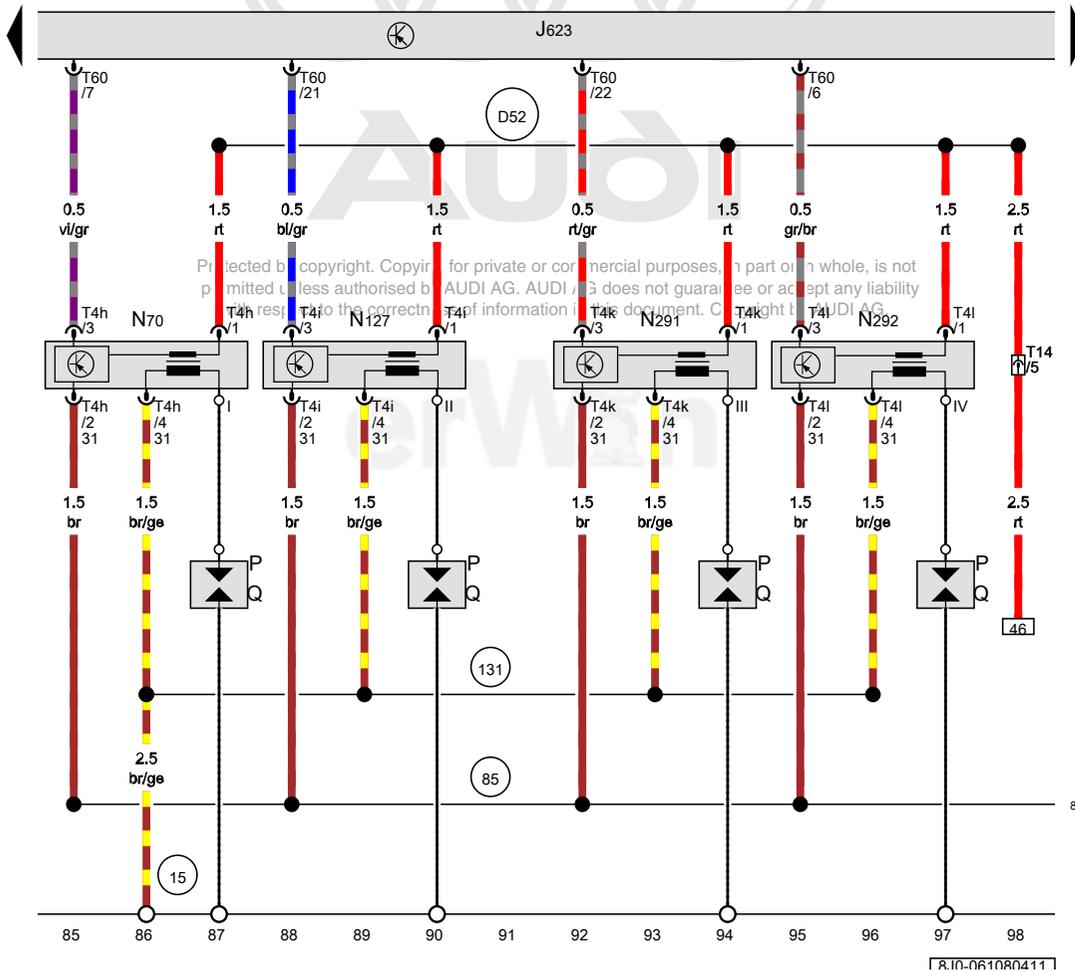
- \* Only for vehicles with cruise control
- \*2 Data bus wire (CAN bus)
- \*3 Only for vehicles with DSG transmission 02E



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Engine control module, Ignition coil 1 with power output stage

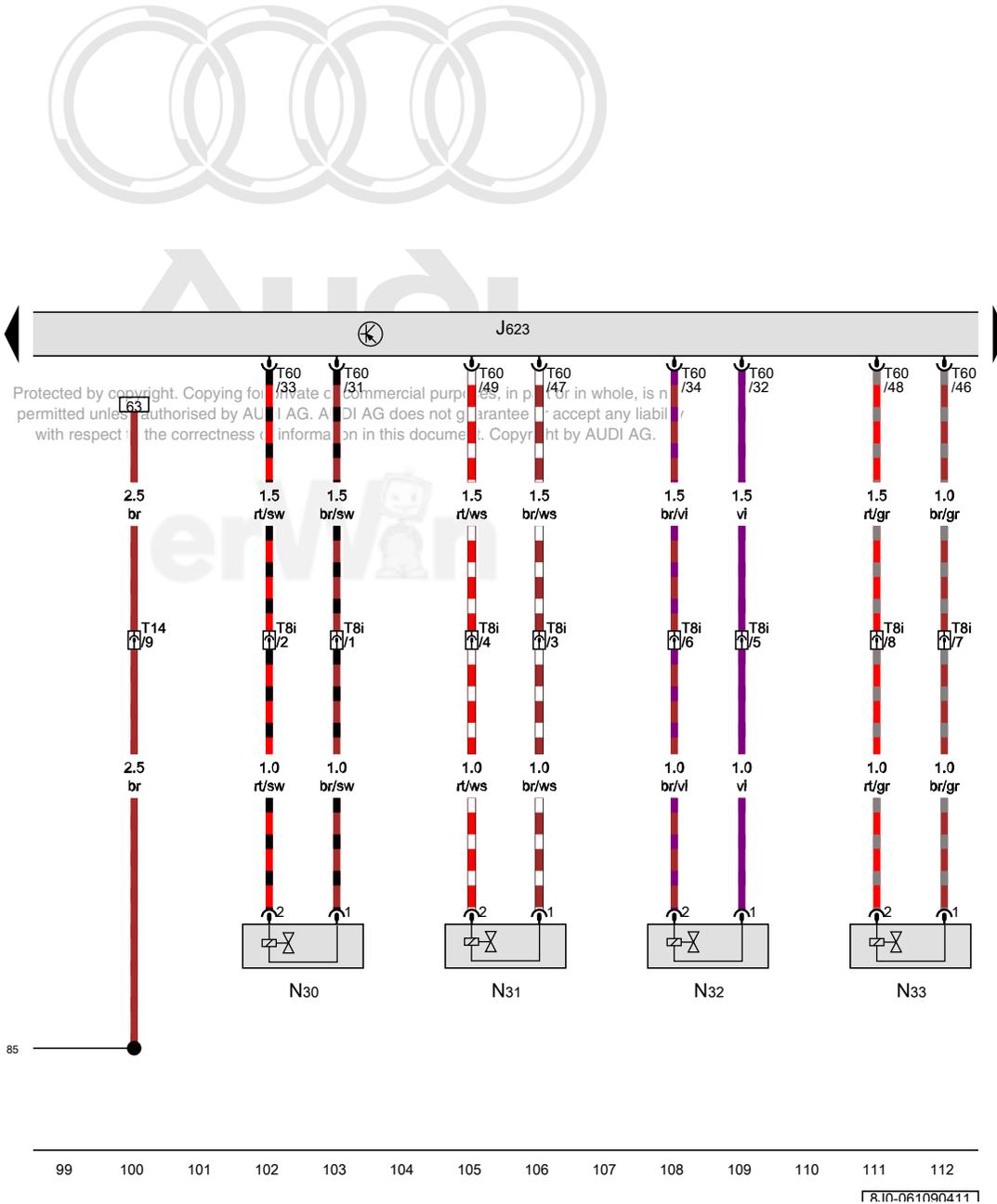
- J623 Engine control module
  - N70 Ignition coil 1 with power output stage
  - N127 Ignition coil 2 with power output stage
  - N291 Ignition coil 3 with power output stage
  - N292 Ignition coil 4 with power output stage
  - P Spark plug connectors
  - Q Spark plugs
  - T4h 4-pin connector
  - T4i 4-pin connector
  - T4k 4-pin connector
  - T4l 4-pin connector
  - T14 14-pin connector, in the engine compartment, left front
  - T60 60-pin connector
- 15 Ground connection on cylinder head
  - 85 Ground connection 1 (in engine compartment wiring harness)
  - 131 Ground connection 2 (in engine compartment wiring harness)
  - D52 Positive connection (15a) (in engine compartment wiring harness)



8.10-061080411

Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- T8i 8-pin connector, near the fuel injectors
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- 85 Ground connection 1 (in engine compartment wiring harness)

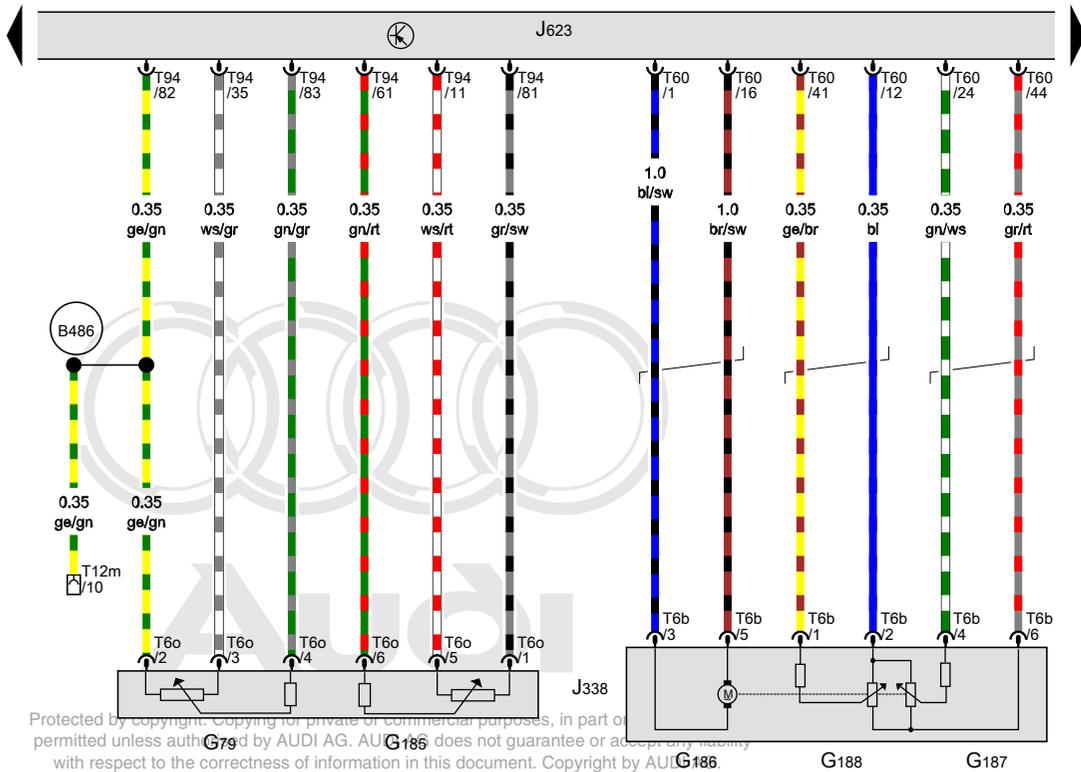


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal position sensor, Throttle valve control module, Engine control module

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- J338 Throttle valve control module
- J623 Engine control module
- T6b 6-pin connector
- T6o 6-pin connector
- T12m 12-pin connector, in the luggage compartment, right rear
- T60 60-pin connector
- T94 94-pin connector

**B486** Connection 22 (in main wiring harness)



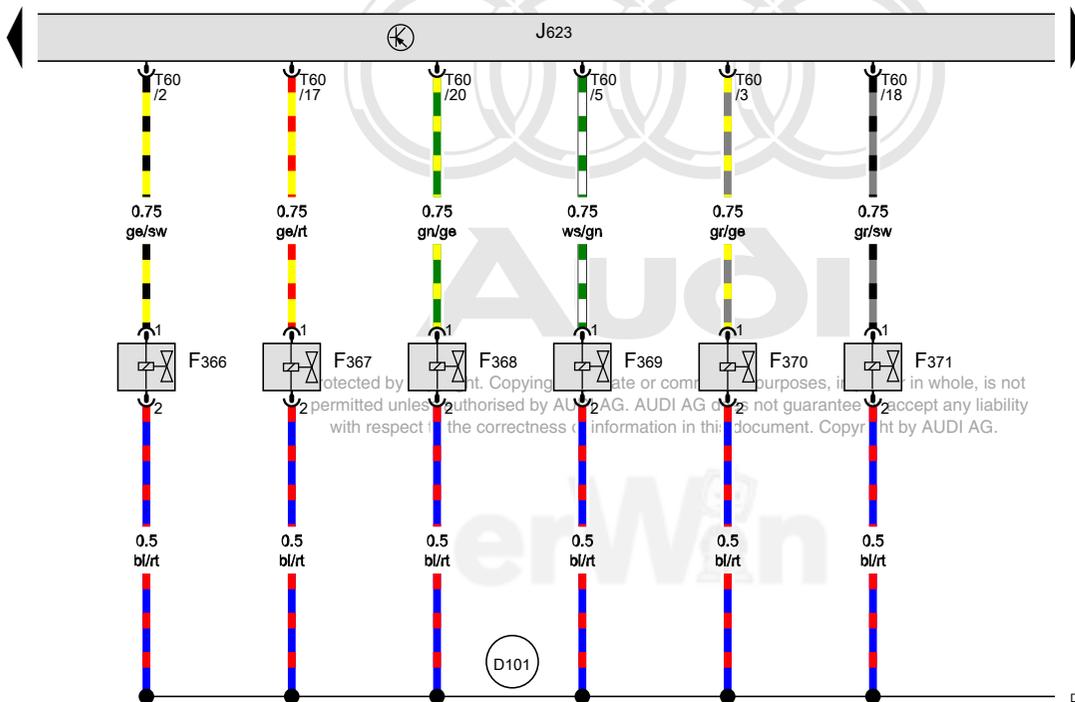
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Engine control module

- F366 Cam adjustment actuator 1
- F367 Cam adjustment actuator 2
- F368 Cam adjustment actuator 3
- F369 Cam adjustment actuator 4
- F370 Cam adjustment actuator 5
- F371 Cam adjustment actuator 6
- J623 Engine control module
- T60 60-pin connector

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



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

127 128 129 130 131 132 133 134 135 136 137 138 139 140

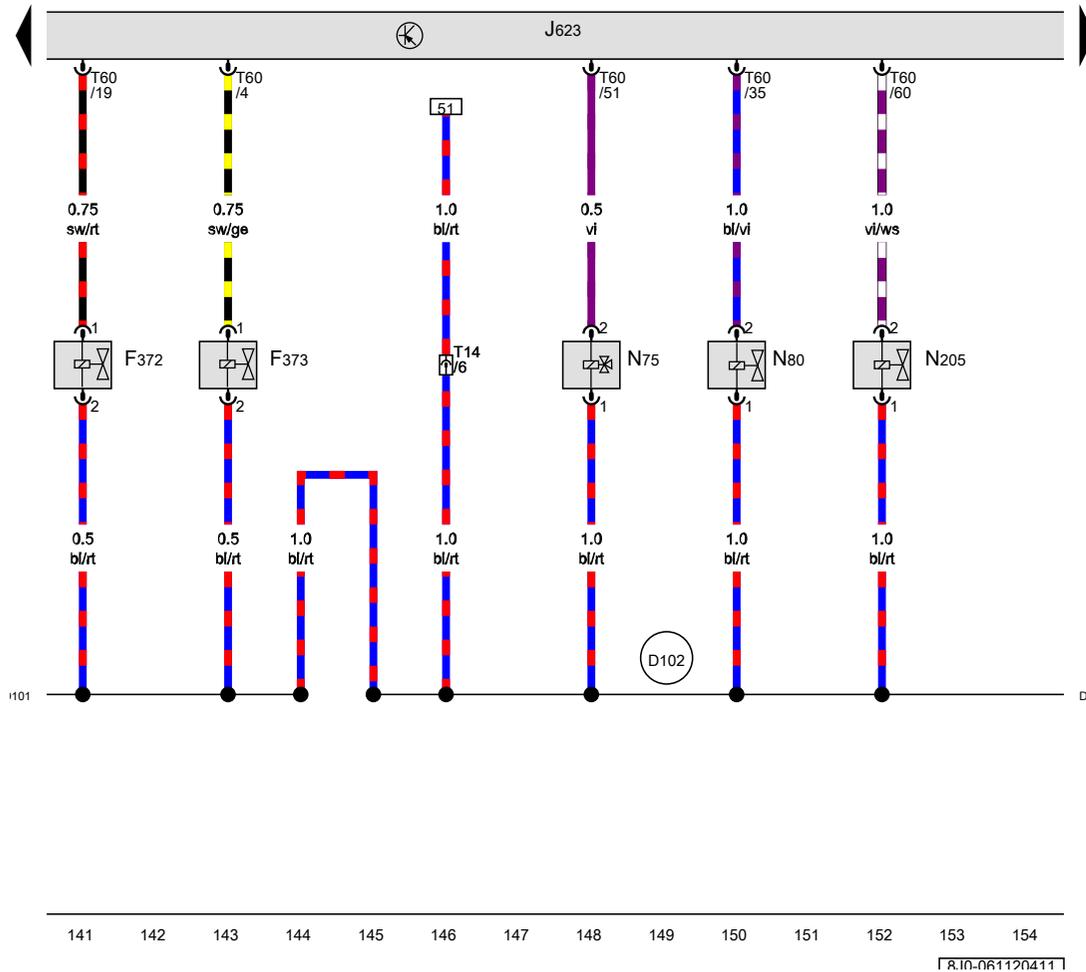
[8.10-061110411]

Engine control module

- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N80 EVAP canister purge regulator valve 1
- N205 Camshaft adjustment valve 1
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector

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

D102 Connection (2) (in engine compartment wiring harness)

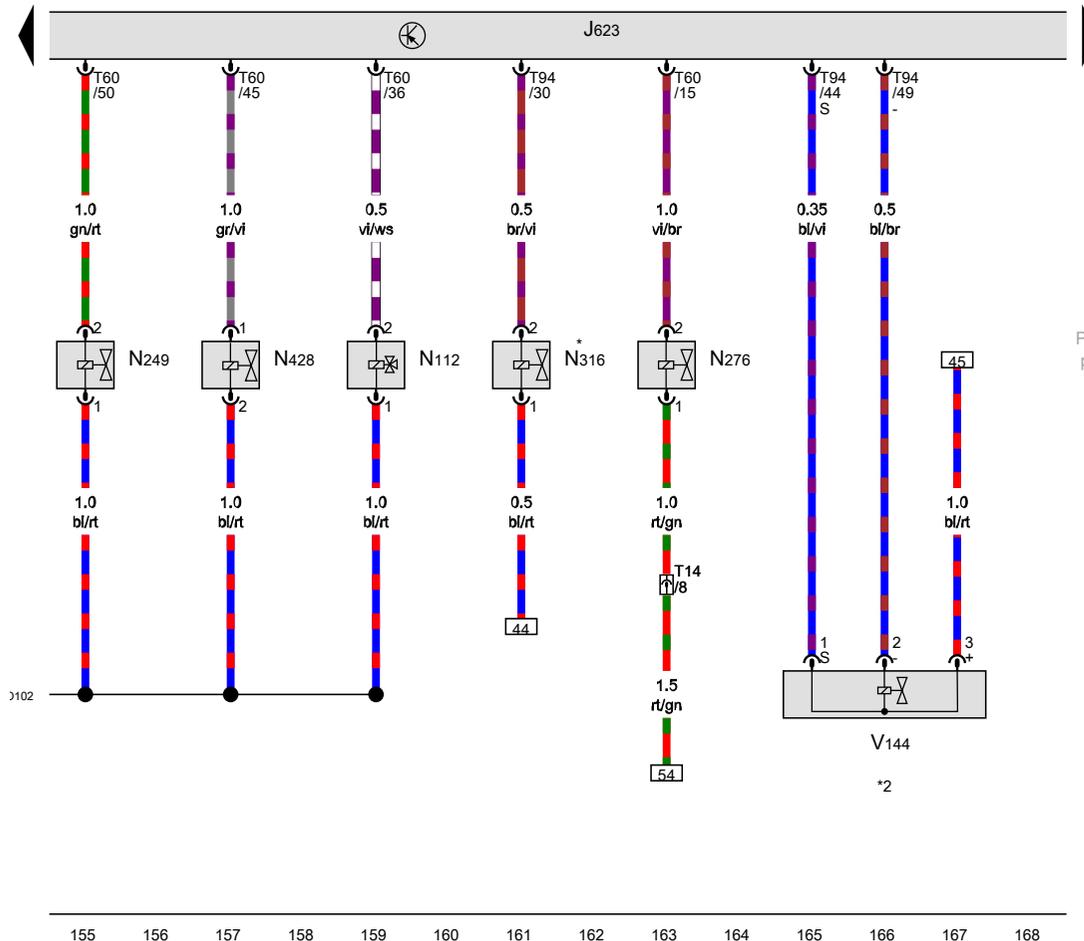


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Engine control module, Fuel pressure regulator valve, Leak detection pump

- J623 Engine control module
- N112 Secondary air injection solenoid valve
- N249 Turbocharger recirculation valve
- N276 Fuel pressure regulator valve
- N316 Intake manifold runner control valve
- N428 Oil pressure regulation valve
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- T94 94-pin connector
- V144 Leak detection pump
- D102 Connection (2) (in engine compartment wiring harness)
- \* Omitted as a running change
- \*2 Only for vehicles with a fuel system diagnostic pump



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

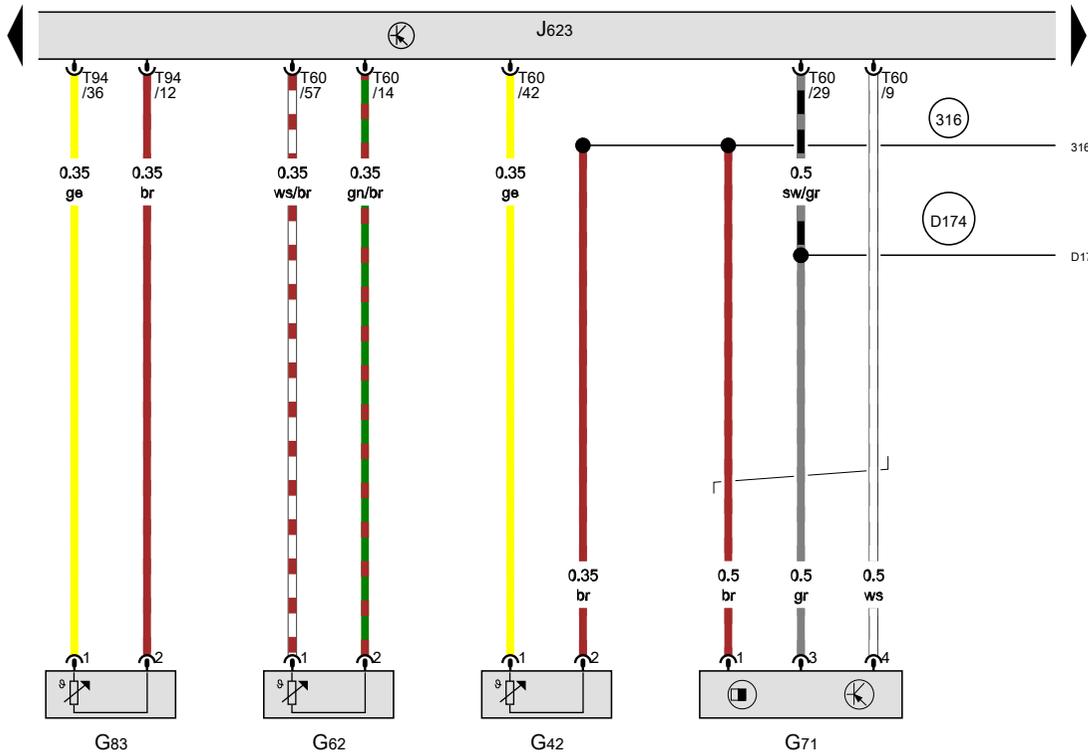
[8,10-061130411]

Intake air temperature sensor, Engine coolant temperature sensor, Manifold absolute pressure sensor, Engine coolant temperature sensor on radiator, Engine control module

- G42 Intake air temperature sensor
- G62 Engine coolant temperature sensor
- G71 Manifold absolute pressure sensor
- G83 Engine coolant temperature sensor on radiator
- J623 Engine control module
- T60 60-pin connector
- T94 94-pin connector

316 Sensor ground connection 2 (in engine wiring harness)

D174 Connection 2 (5V) (in engine wiring harness)



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

169 170 171 172 173 174 175 176 177 178 179 180 181 182

18.10-061140411

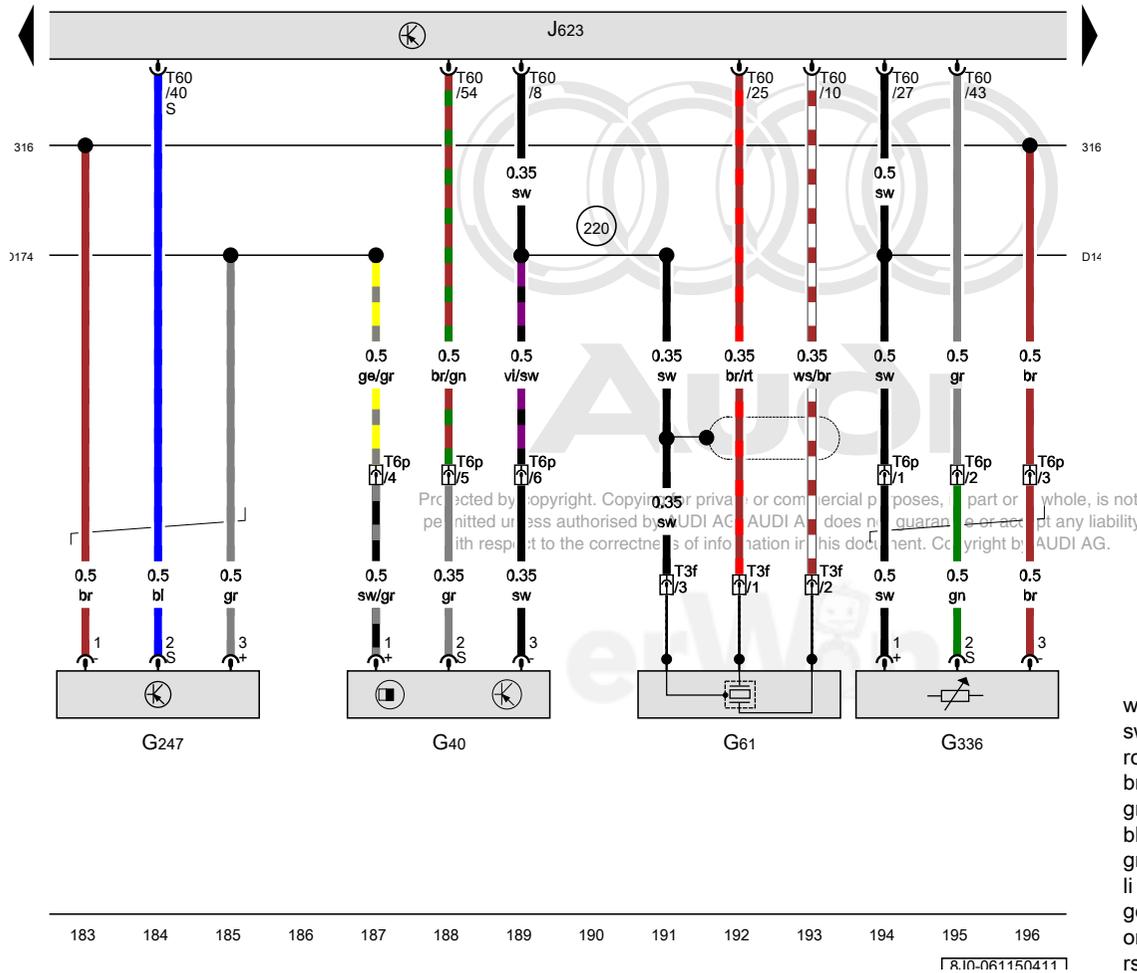
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Camshaft position sensor, Knock sensor 1, Fuel pressure sensor, Intake manifold runner position sensor, Engine control module

- G40 Camshaft position sensor
- G61 Knock sensor 1
- G247 Fuel pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T3f 3-pin connector, green
- T6p 6-pin connector, on the engine, front
- T60 60-pin connector

- (220) Sensor ground connection (in engine compartment wiring harness)
- (316) Sensor ground connection 2 (in engine wiring harness)
- (D141) Connection (5V) (in engine wiring harness)
- (D174) Connection 2 (5V) (in engine wiring harness)



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

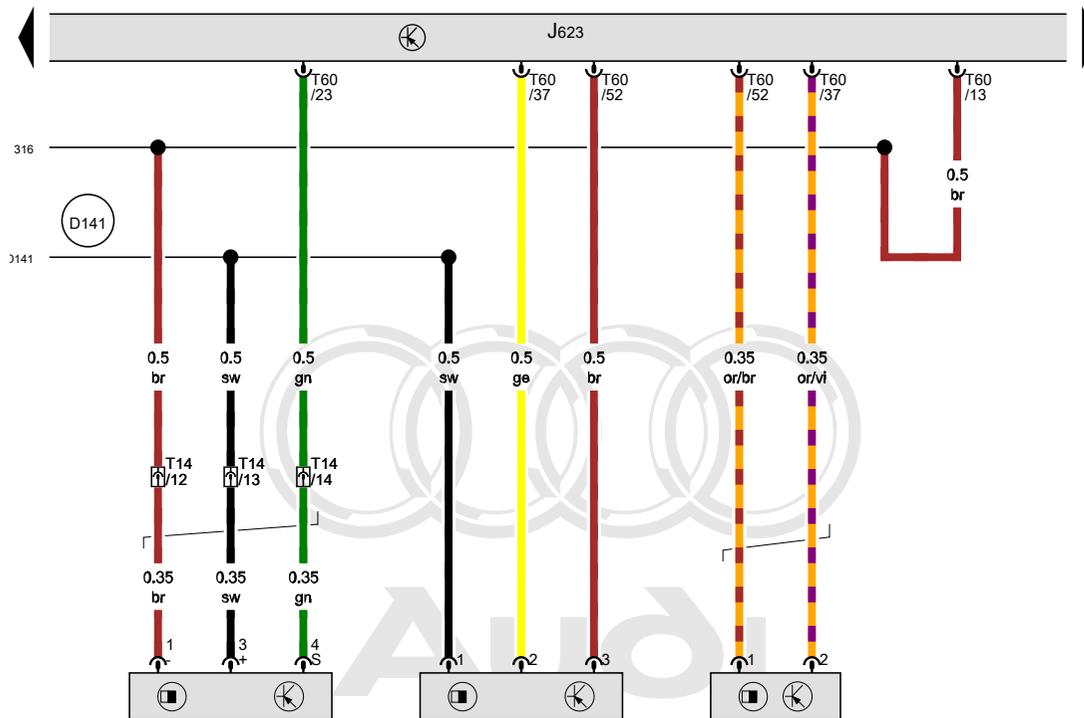
Engine speed sensor, Charge air pressure sensor, Engine control module

- G28 Engine speed sensor
- G31 Charge air pressure sensor
- J623 Engine control module
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector

316 Sensor ground connection 2 (in engine wiring harness)

D141 Connection (5V) (in engine wiring harness)

\* Depending on equipment



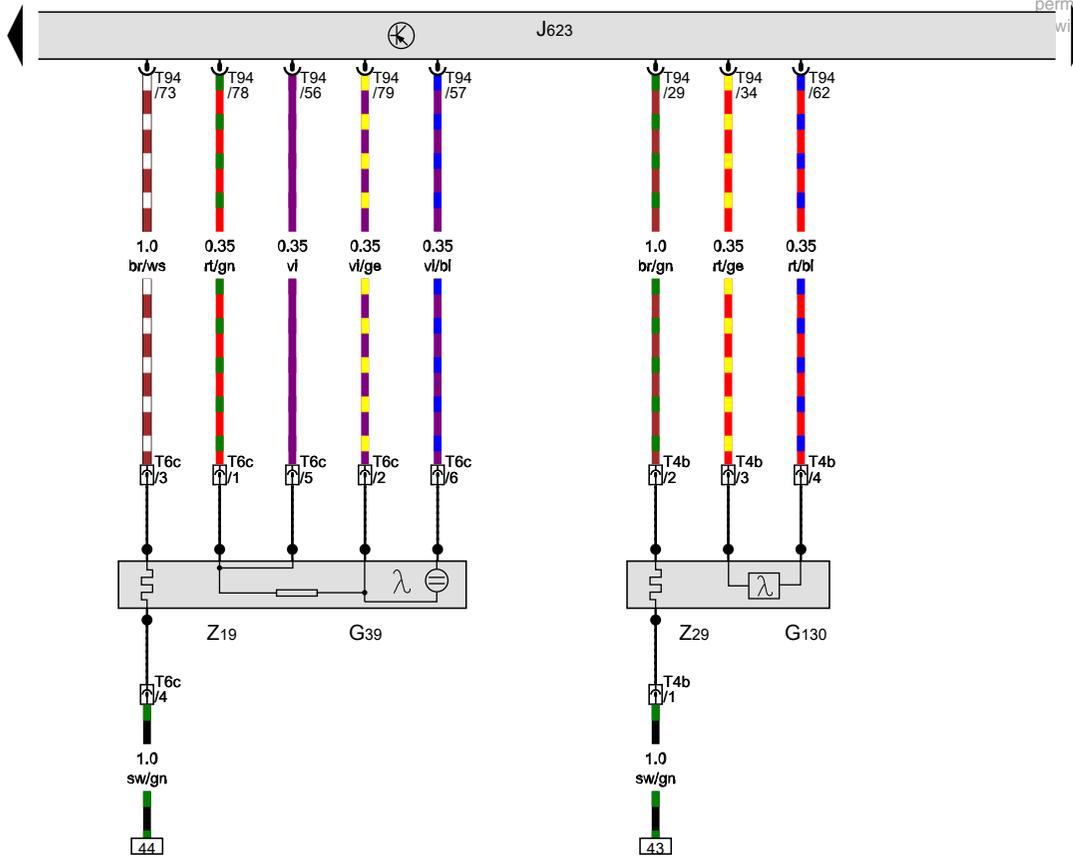
Protected by copyright. Copying for private or commercial purposes, in whole or in part, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- T4b 4-pin connector, black
- T6c 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



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

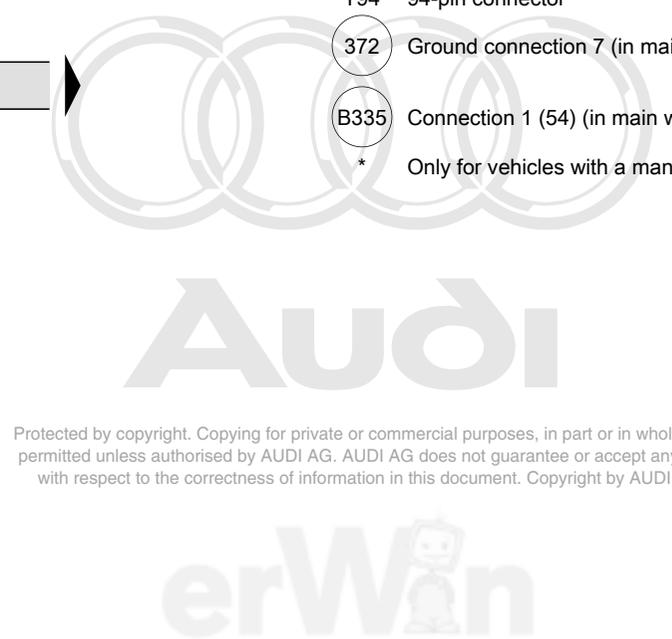
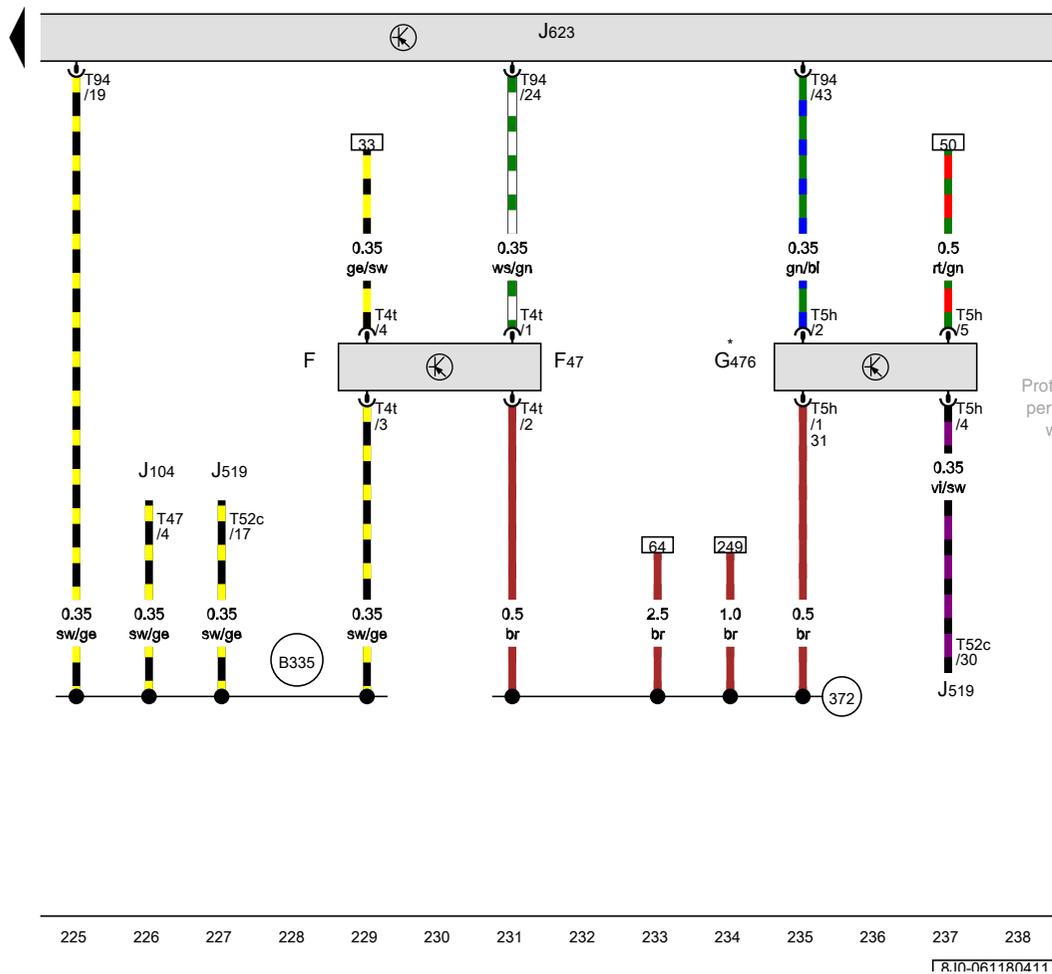
211 212 213 214 215 216 217 218 219 220 221 222 223 224

[8,10-061170411]

Brake lamp switch, Clutch position sensor, Engine control module

- F Brake lamp switch
- F47 Brake pedal switch
- G476 Clutch position sensor
- J104 ABS control module
- J519 Vehicle electrical system control module
- J623 Engine control module
- T4t 4-pin connector
- T5h 5-pin connector
- T47 47-pin connector
- T52c 52-pin connector
- T94 94-pin connector

- 372 Ground connection 7 (in main wiring harness)
- B335 Connection 1 (54) (in main wiring harness)
- \* Only for vehicles with a manual transmission

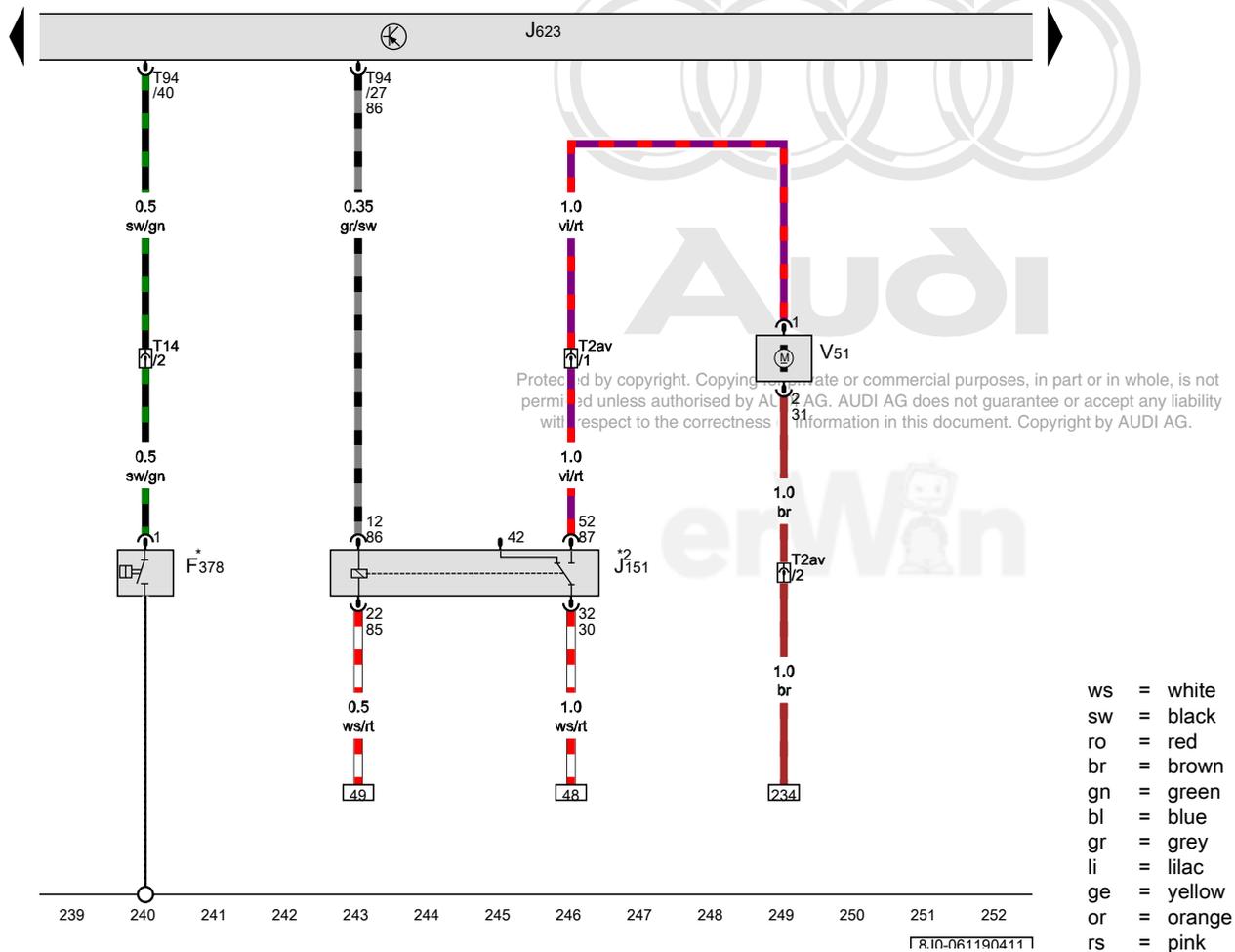


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Reduced oil pressure switch, Coolant circulation pump relay, Engine control module

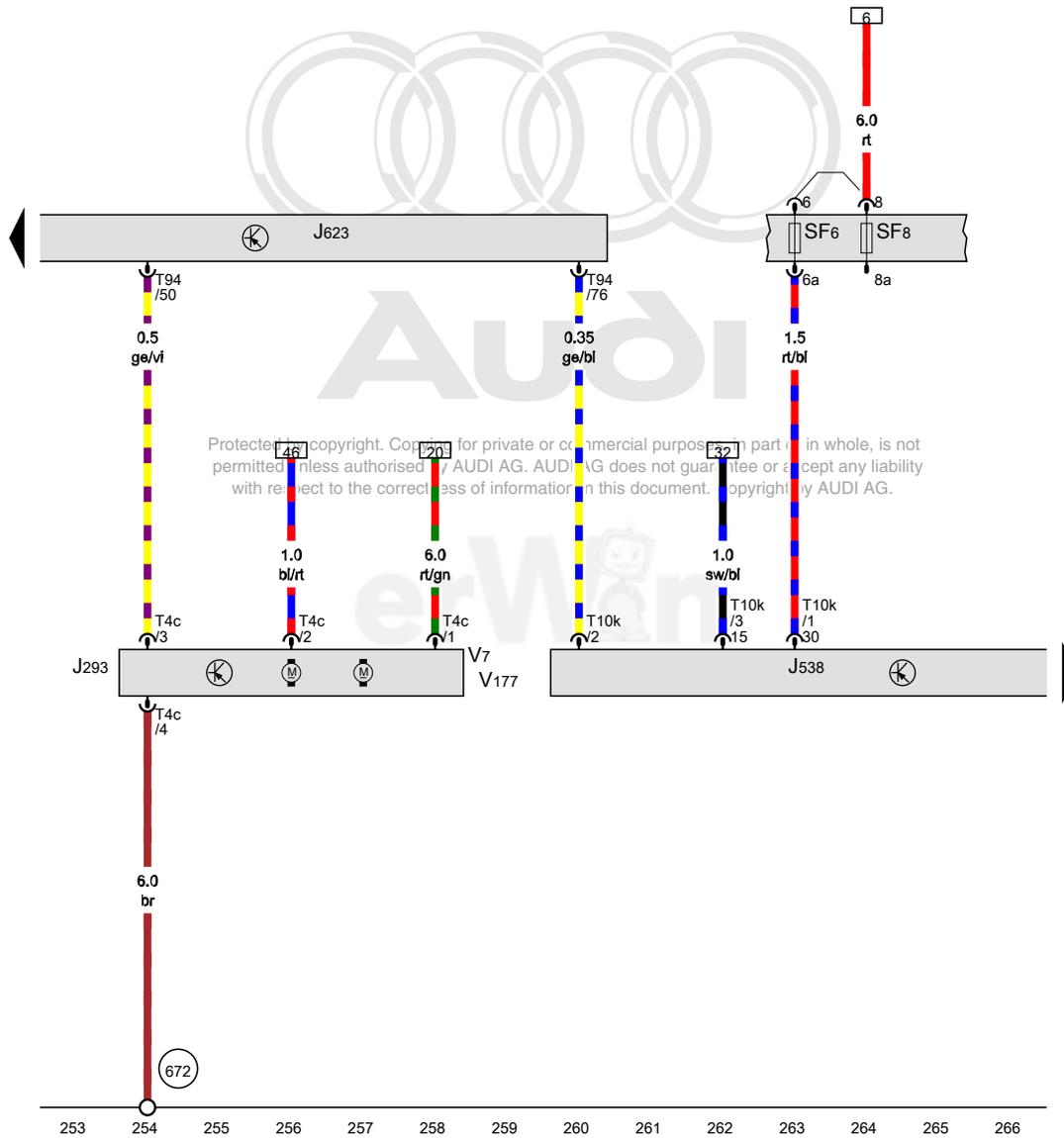
- F378 Reduced oil pressure switch
- J151 Coolant circulation pump relay
- J623 Engine control module
- T2av Double connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T94 94-pin connector
- V51 After-run coolant pump
- \* Not for USA
- \*2 Relay and fuse carrier in the engine compartment E-box



18.10.061190411

Coolant fan control module, Fuel pump control module, Engine control module, Coolant fan

- J293 Coolant fan control module
- J538 Fuel pump control module
- J623 Engine control module
- SF6 Fuse 6 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T4c 4-pin connector
- T10k 10-pin connector
- T94 94-pin connector
- V7 Coolant fan
- V177 Coolant fan 2
- 672 Ground connection 2 on left front longitudinal member



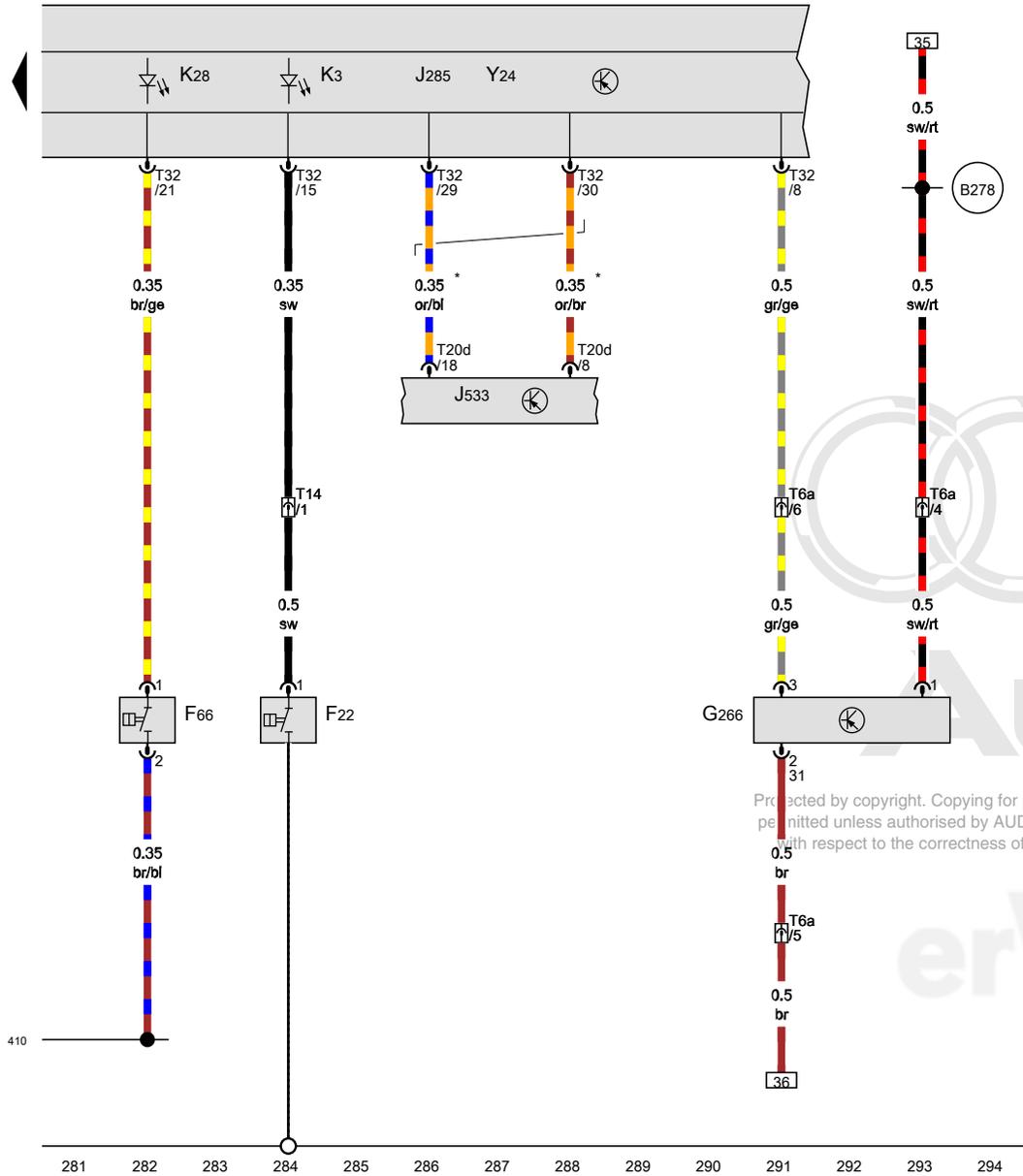
Protected by copyright. Copying for private or commercial purposes in whole or in part is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

18.10.061200411



Oil pressure switch, Engine coolant level warning switch, Oil level thermal sensor, Instrument cluster control module



- F22 Oil pressure switch
- F66 Engine coolant level warning switch
- G266 Oil level thermal sensor
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K3 Oil pressure indicator lamp
- K28 Engine coolant level/temperature indicator lamp
- T6a 6-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T20d 20-pin connector
- T32 32-pin connector
- Y24 Display unit in instrument cluster
- 410 Sensor ground connection 1 (in main wiring harness)
- B278 Positive connection 2 (15a) (in main wiring harness)
- \* Data bus wire (CAN bus)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

18.10.061220411

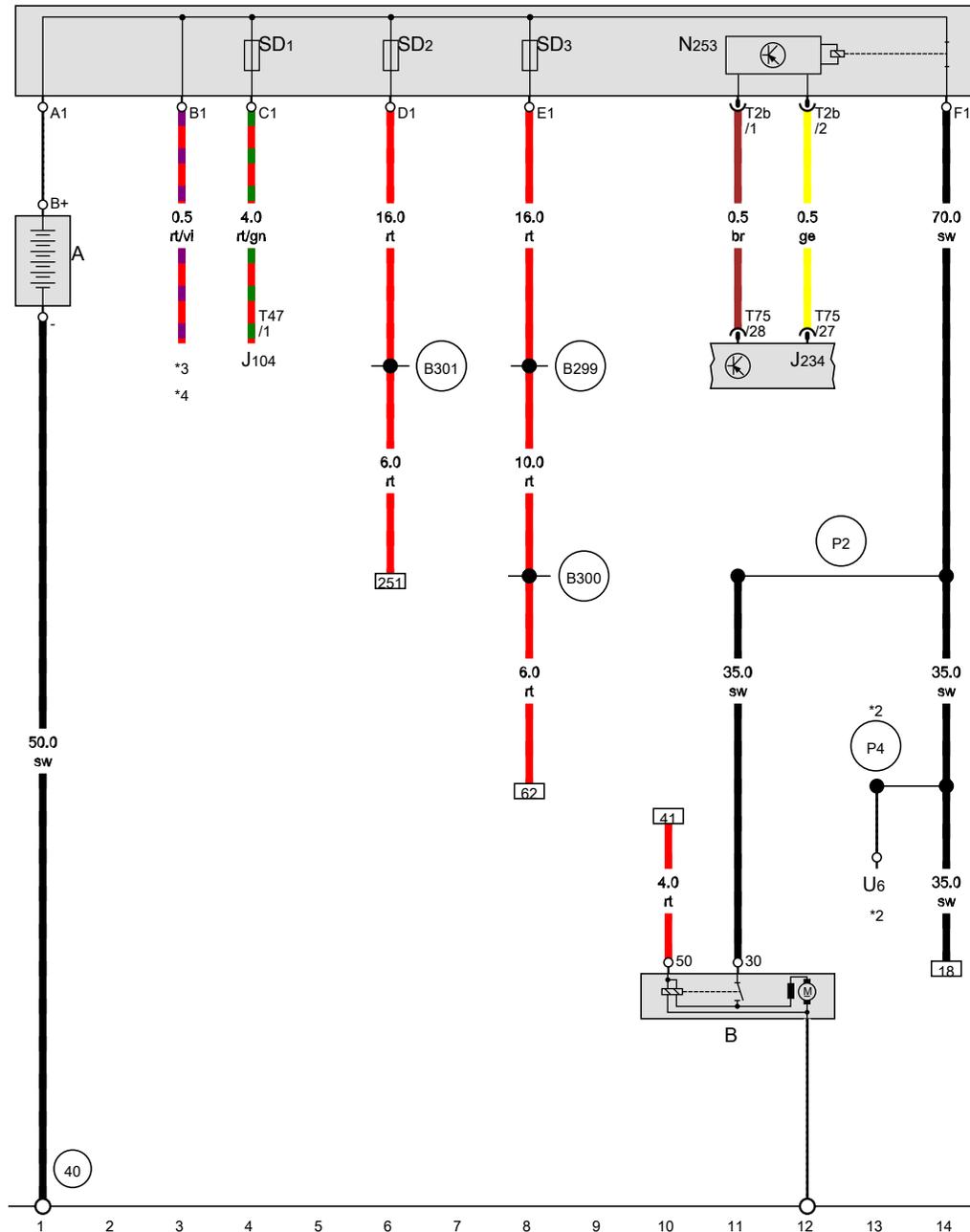
2.0L gasoline engine , CCTA,CCZA  
From September 2008



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





Battery, Starter, Battery interrupt igniter

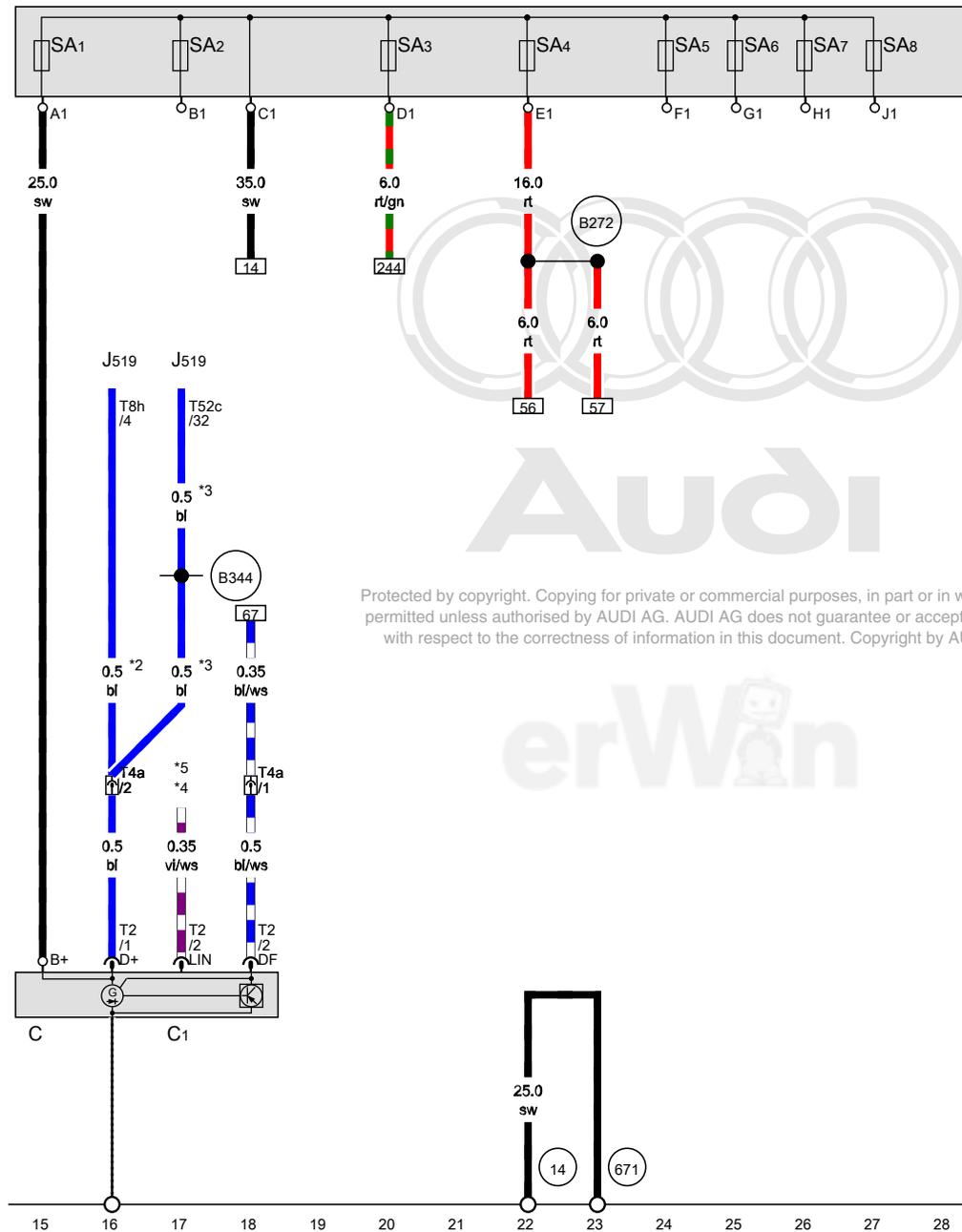
- A Battery
- B Starter
- J104 ABS control module
- J234 Airbag control module
- N253 Battery interrupt igniter
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- T2b Double connector
- T47 47-pin connector
- T75 75-pin connector
- U6 Battery jump start terminal

- 40 Ground connection under right rear bench seat
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- P2 Positive connection (30) (in battery wiring harness)
- P4 Positive connection 2 (30) (in battery wiring harness)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- \* Main fuse box in the right rear luggage compartment, at the battery
- \*2 Only for vehicles with battery jump start terminal
- \*3 Only for vehicles with recuperation
- \*4 Refer to applicable wiring diagram

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



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Generator

- C Generator
- C1 Voltage regulator
- J519 Vehicle electrical system control module
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- SA4 Fuse 4 (on fuse panel A)
- SA5 Fuse 5 (on fuse panel A)
- SA6 Fuse 6 (on fuse panel A)
- SA7 Fuse 7 (on fuse panel A)
- SA8 Fuse 8 (on fuse panel A)
- T2 Double connector
- T4a 4-pin connector, in the engine compartment, left front
- T8h 8-pin connector
- T52c 52-pin connector

- 14 Ground connection on transmission
- 671 Ground connection 1 on left front longitudinal member
- B272 Positive connection (30) (in main wiring harness)
- B344 Connection 1 (61) (in main wiring harness)
- \* Main fuse carrier in left plenum chamber E-box
- \*2 Through May 2009
- \*3 From June 2009
- \*4 Only for vehicles with recuperation
- \*5 Refer to applicable wiring diagram

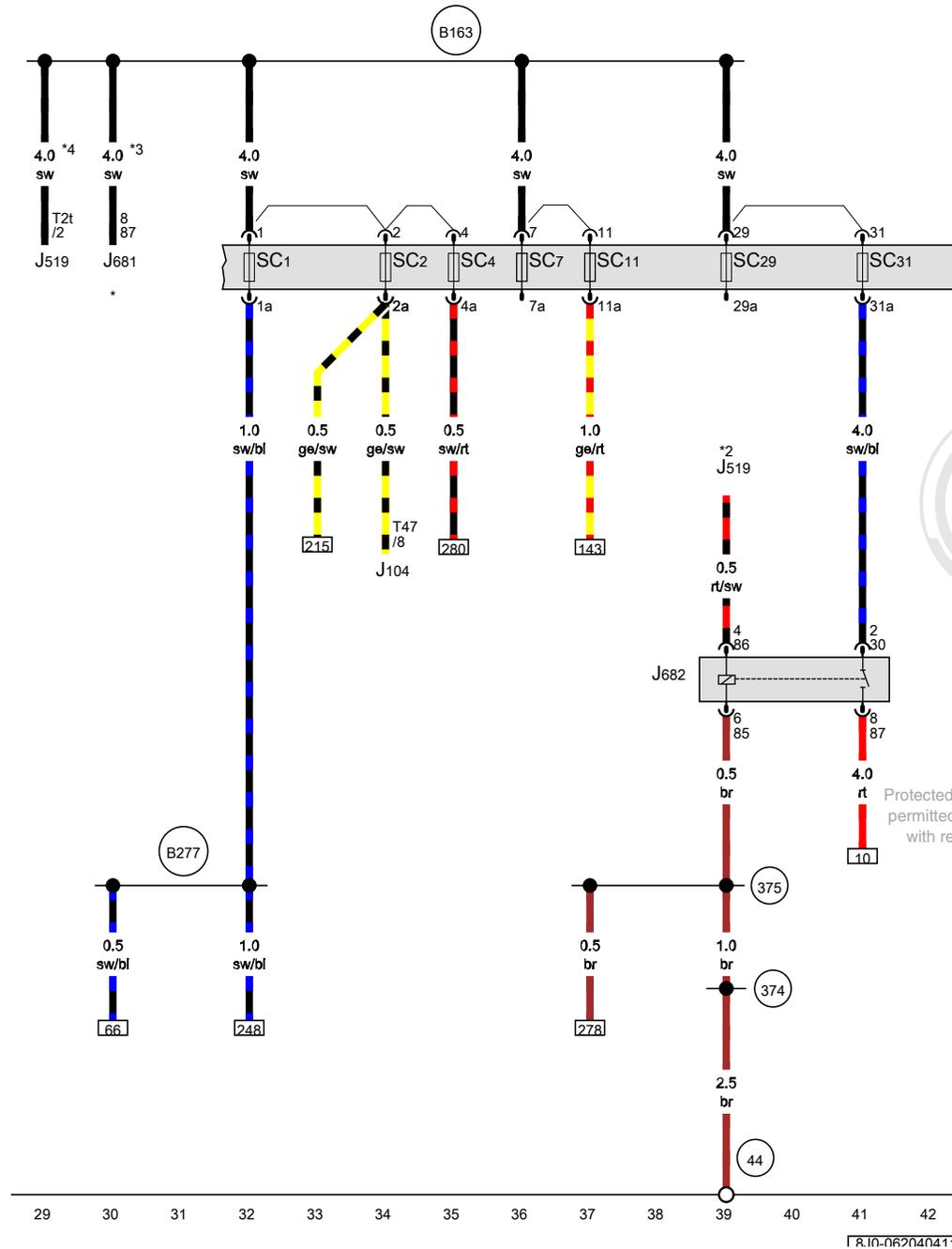
Terminal 50 power supply relay

- J104 ABS control module
- J519 Vehicle electrical system control module
- J681 Terminal 15 power supply relay 2
- J682 Terminal 50 power supply relay
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC29 Fuse 29 (on fuse panel C)
- SC31 Fuse 31 (on fuse panel C)
- T2t Double connector
- T47 47-pin connector

- 44 Ground connection on A-pillar, lower left
- 374 Ground connection 9 (in main wiring harness)
- 375 Ground connection 10 (in main wiring harness)
- B163 Positive connection 1 (15) (in interior wiring harness)
- B277 Positive connection 1 (15a) (in main wiring harness)

- \* Relay carrier on the vehicle electrical system control module, under the instrument panel, left
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 From June 2009
- \*4 Through May 2009

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



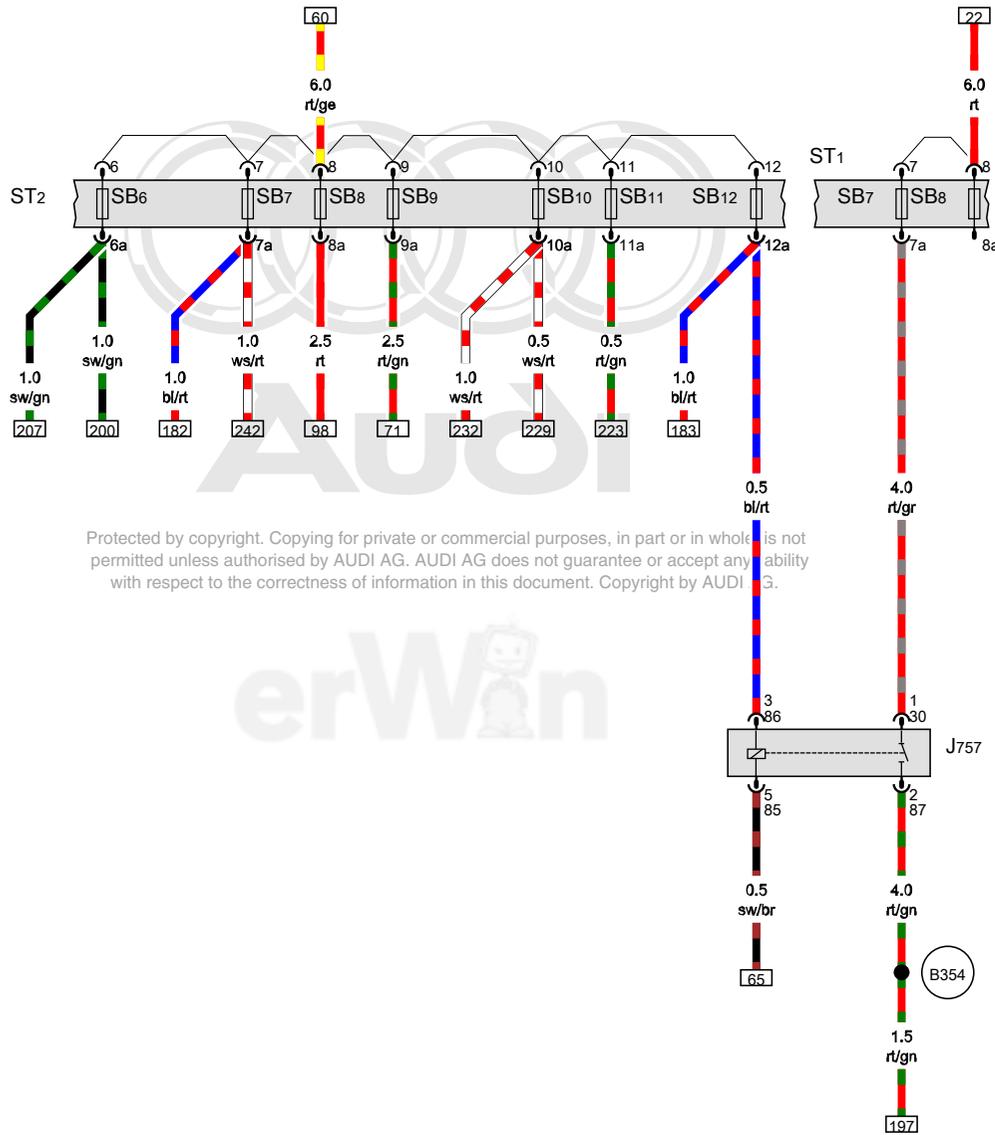
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

18.10-062040411

Engine component power supply relay

- J757 Engine component power supply relay
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)

B354 Positive connection 5 (87a) (in main wiring harness)



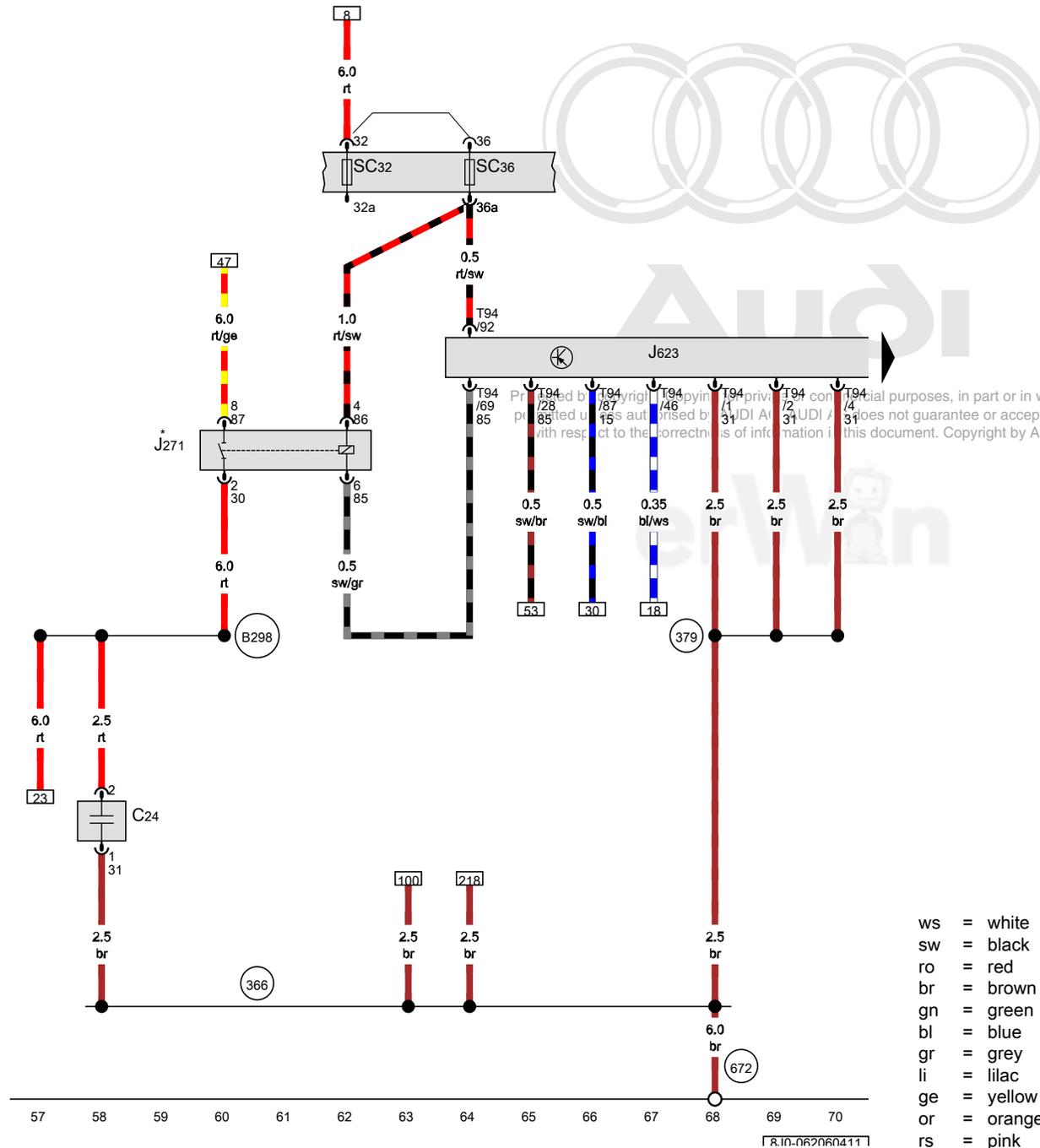
Protected by copyright. Copying for private or commercial purposes, in part or in whole is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Suppressor, Motronic engine control module power supply relay, Engine control module

- C24 Suppressor
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- SC32 Fuse 32 (on fuse panel C)
- SC36 Fuse 36 (on fuse panel C)
- T94 94-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 379 Ground connection 14 (in main wiring harness)
- 672 Ground connection 2 on left front longitudinal member
- B298 Positive connection 2 (30) (in main wiring harness)
- \* Relay and fuse carrier in the engine compartment E-box



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

8.10-062060411

Engine control module

- E45 Cruise control switch
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T20c 20-pin connector
- T20d 20-pin connector
- T20e 20-pin connector
- T94 94-pin connector

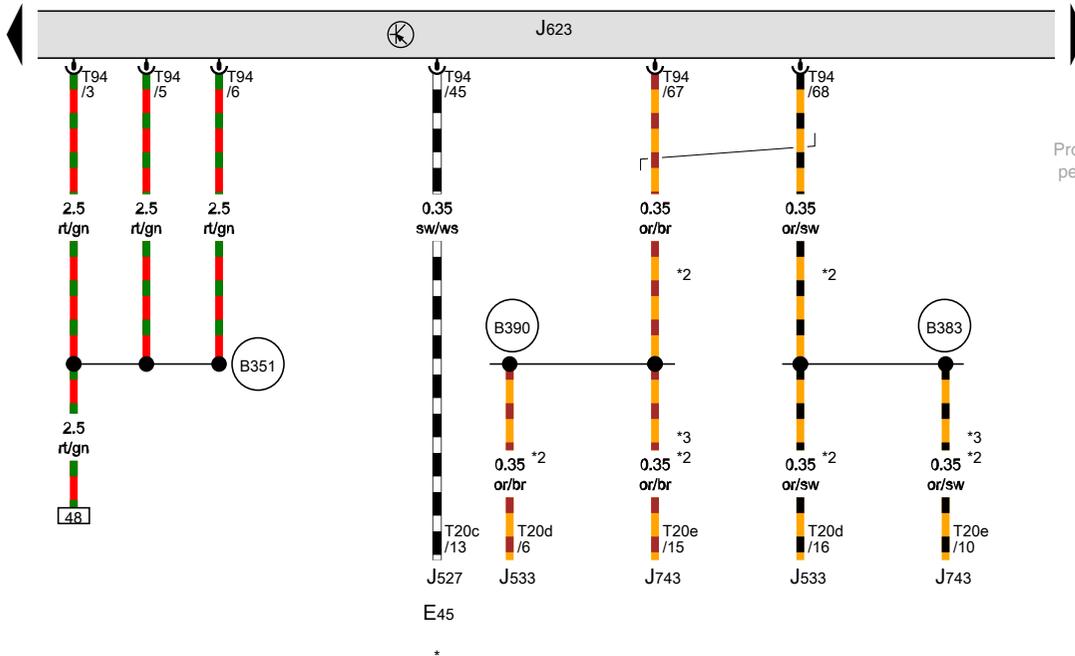
- B351** Positive connection 2 (87a) (in main wiring harness)
- B383** Powertrain CAN bus high connection 1 (in main wiring harness)
- B390** Powertrain CAN bus low connection 1 (in main wiring harness)

\* Only for vehicles with cruise control

\*2 Data bus wire (CAN bus)

\*3 Only for vehicles with DSG transmission 02E

Protected by copyright. Copying for private or commercial purposes without the written permission of Audi AG is prohibited. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by Audi AG.



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

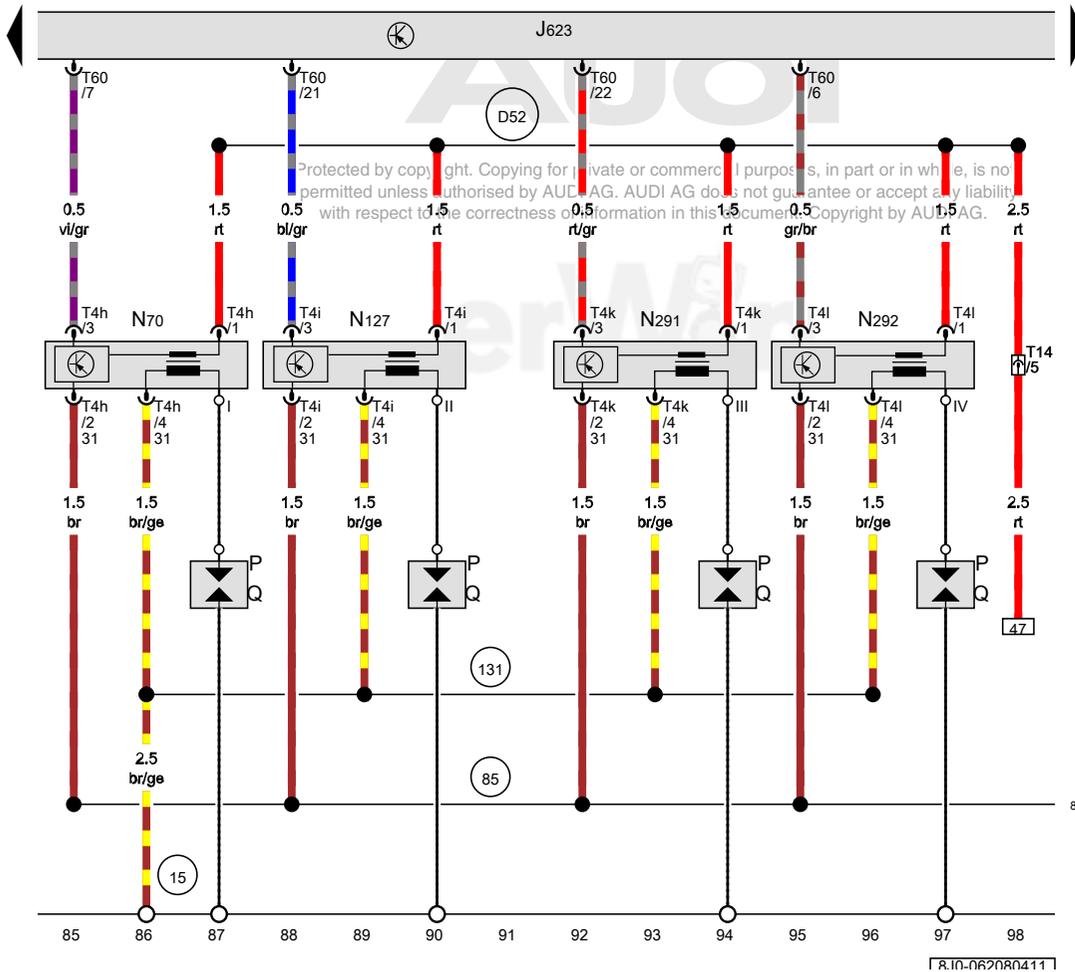
71 72 73 74 75 76 77 78 79 80 81 82 83 84

18.10-062070411



Engine control module, Ignition coil 1 with power output stage

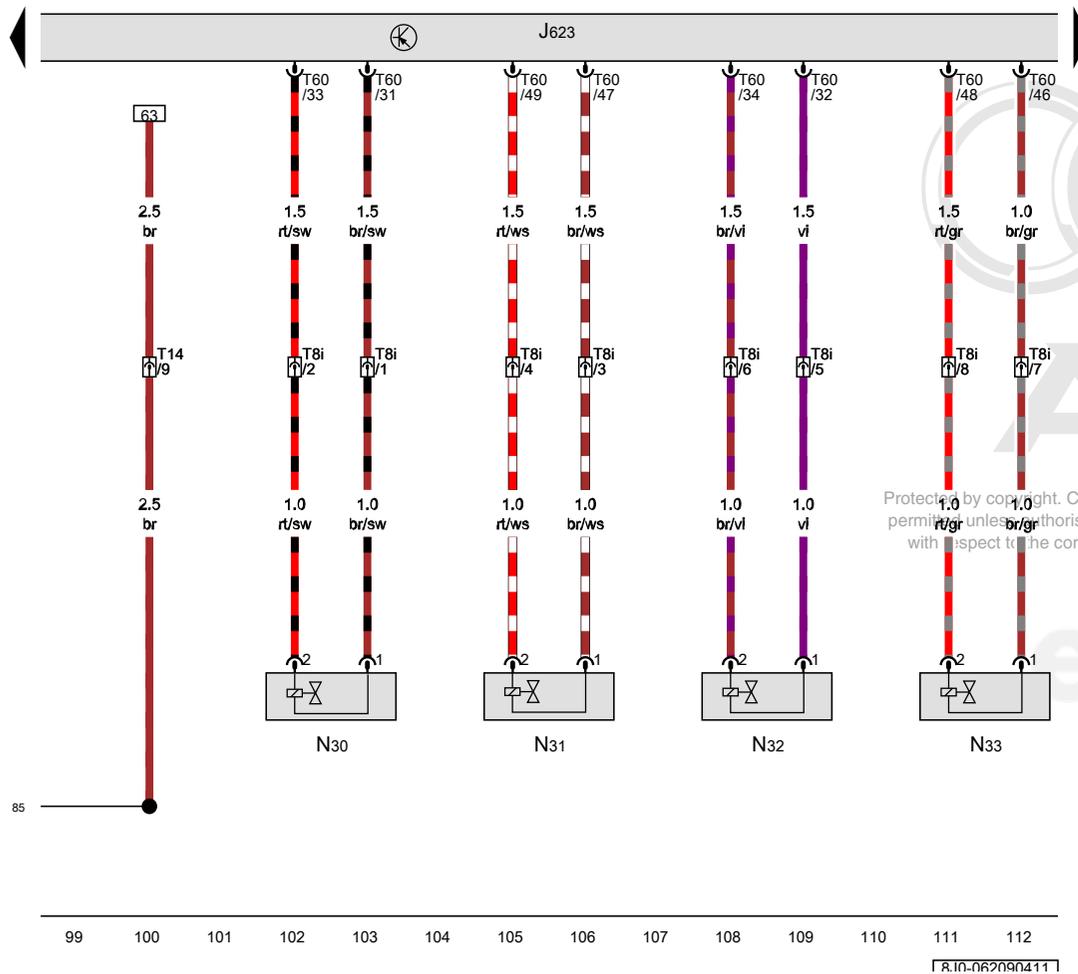
- J623 Engine control module
  - N70 Ignition coil 1 with power output stage
  - N127 Ignition coil 2 with power output stage
  - N291 Ignition coil 3 with power output stage
  - N292 Ignition coil 4 with power output stage
  - P Spark plug connectors
  - Q Spark plugs
  - T4h 4-pin connector
  - T4i 4-pin connector
  - T4k 4-pin connector
  - T4l 4-pin connector
  - T14 14-pin connector, in the engine compartment, left front
  - T60 60-pin connector
- 15 Ground connection on cylinder head
  - 85 Ground connection 1 (in engine compartment wiring harness)
  - 131 Ground connection 2 (in engine compartment wiring harness)
  - D52 Positive connection (15a) (in engine compartment wiring harness)



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

Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- T8i 8-pin connector, near the fuel injectors
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- 85 Ground connection 1 (in engine compartment wiring harness)



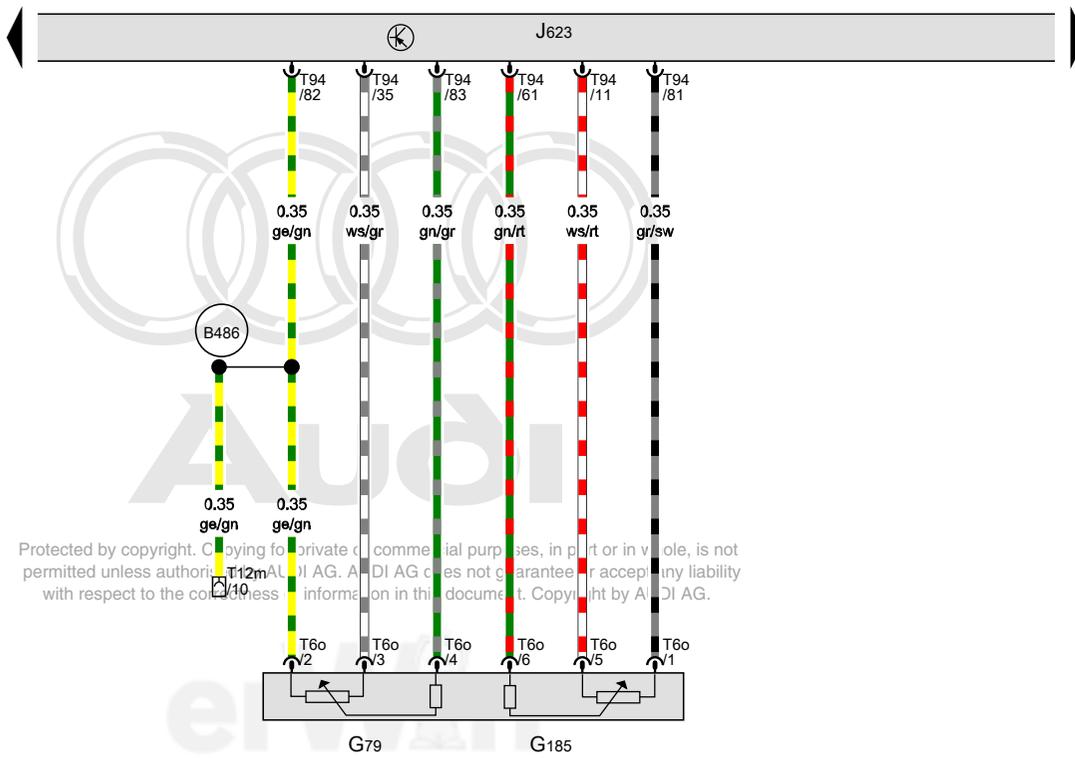
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

Accelerator pedal position sensor, Engine control module

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6o 6-pin connector
- T12m 12-pin connector, in the luggage compartment, right rear
- T94 94-pin connector

**B486** Connection 22 (in main wiring harness)

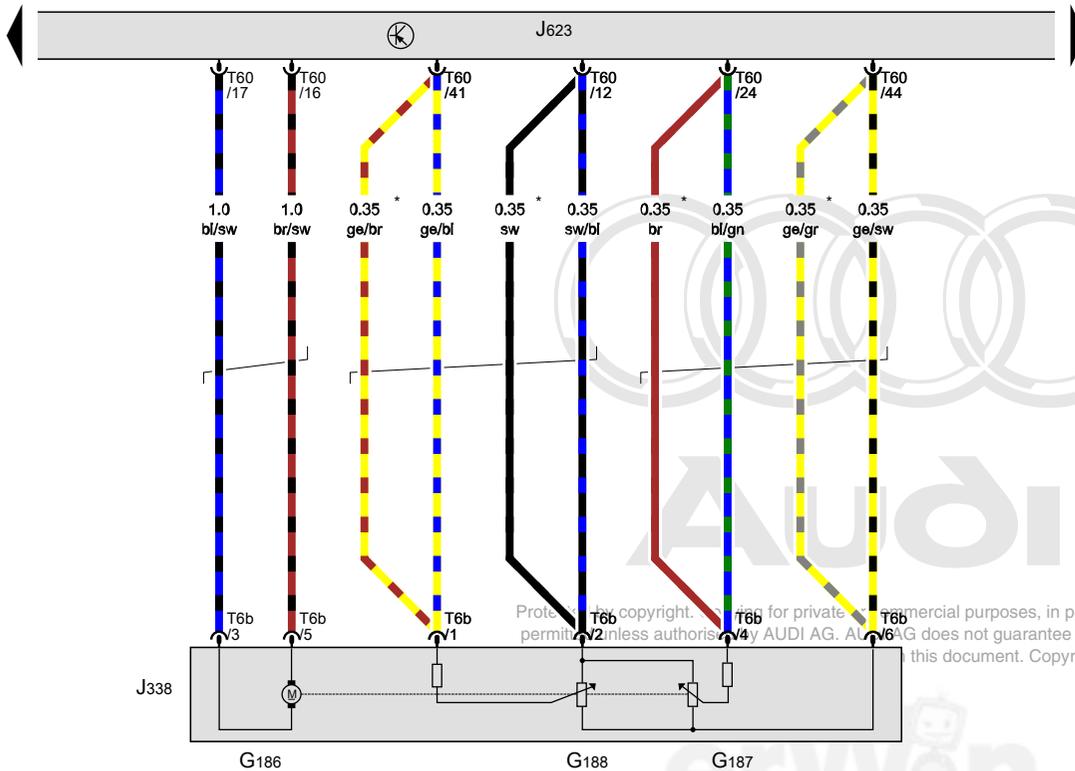


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of the information in this document. Copyright by AUDI AG.

Throttle valve control module, Engine control module

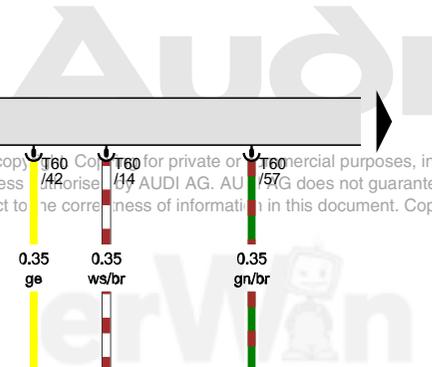
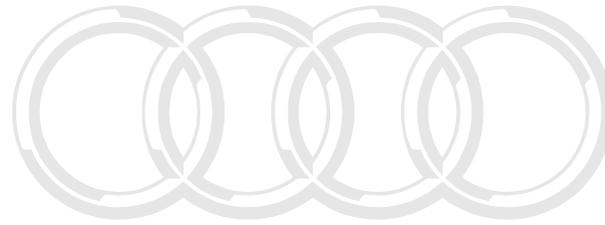
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- J338 Throttle valve control module
- J623 Engine control module
- T6b 6-pin connector
- T60 60-pin connector
- \* Running change



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

127 128 129 130 131 132 133 134 135 136 137 138 139 140

[8.10-062110411]

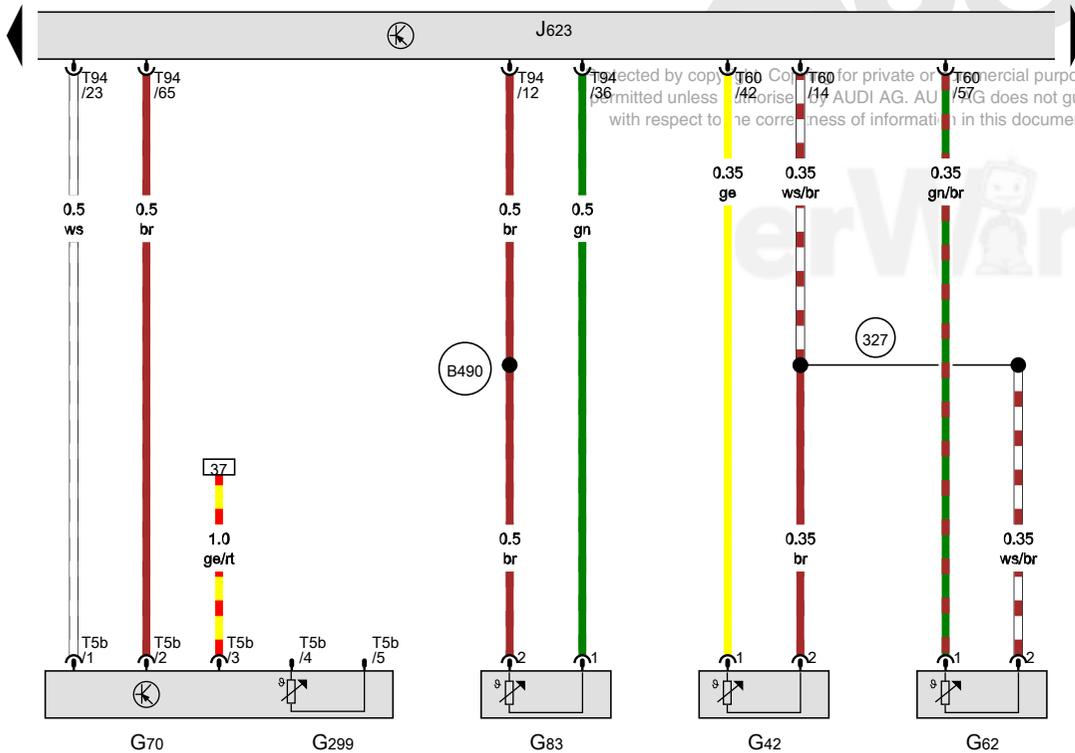


Intake air temperature sensor, Engine coolant temperature sensor, Mass airflow sensor, Engine coolant temperature sensor on radiator, Intake air temperature sensor 2, Engine control module

- G42 Intake air temperature sensor
- G62 Engine coolant temperature sensor
- G70 Mass airflow sensor
- G83 Engine coolant temperature sensor on radiator
- G299 Intake air temperature sensor 2
- J623 Engine control module
- T5b 5-pin connector
- T60 60-pin connector
- T94 94-pin connector

327 Sensor ground connection (in engine compartment wiring harness)

B490 Connection 26 (in main wiring harness)



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

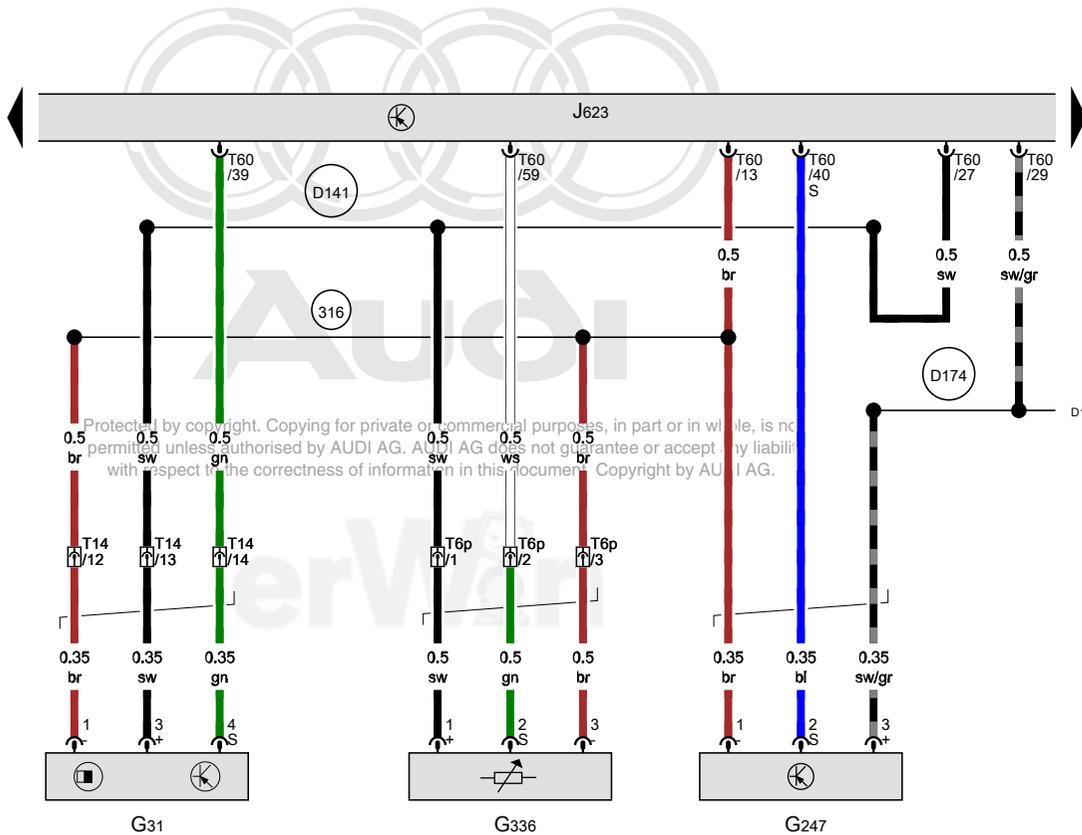
141 142 143 144 145 146 147 148 149 150 151 152 153 154

8.10-062120411

Charge air pressure sensor, Fuel pressure sensor, Intake manifold runner position sensor, Engine control module

- G31 Charge air pressure sensor
- G247 Fuel pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T6p 6-pin connector, on the engine, front
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector

- 316 Sensor ground connection 2 (in engine wiring harness)
- D141 Connection (5V) (in engine wiring harness)
- D174 Connection 2 (5V) (in engine wiring harness)



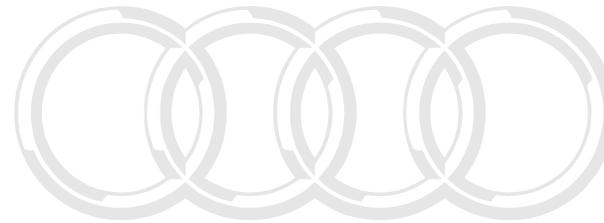
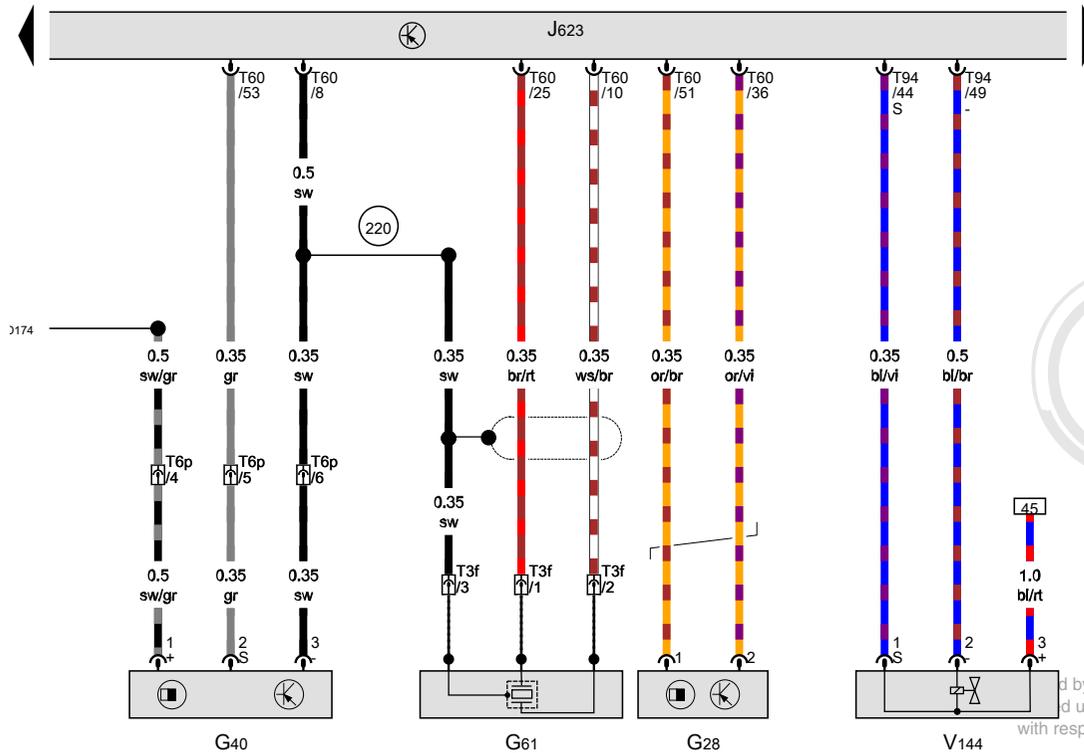
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

[ 8,10-062130411 ]

Camshaft position sensor, Knock sensor 1, Engine control module, Leak detection pump

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- J623 Engine control module
- T3f 3-pin connector, green
- T6p 6-pin connector, on the engine, front
- T60 60-pin connector
- T94 94-pin connector
- V144 Leak detection pump
- 220 Sensor ground connection (in engine compartment wiring harness)
- D174 Connection 2 (5V) (in engine wiring harness)
- \* Depending on equipment
- \*2 Only for vehicles with a fuel system diagnostic pump



Audi

Copyright by Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by Audi AG.

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

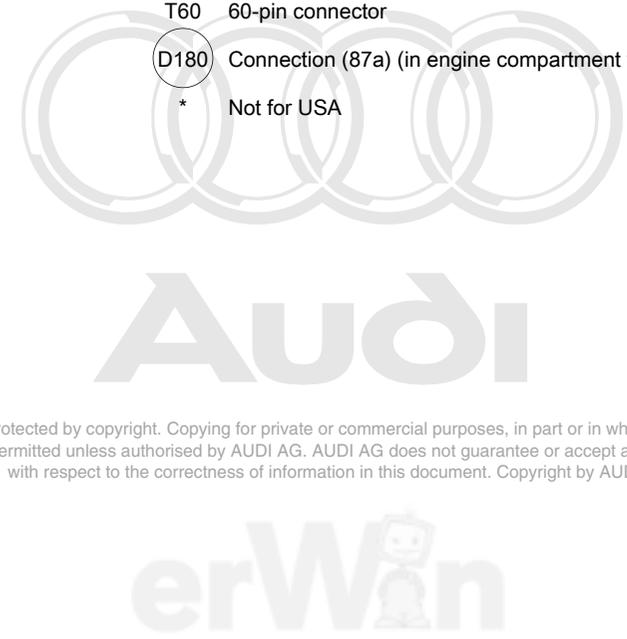
169 170 171 172 173 174 175 176 177 178 179 180 181 182

[8,10-062140411]

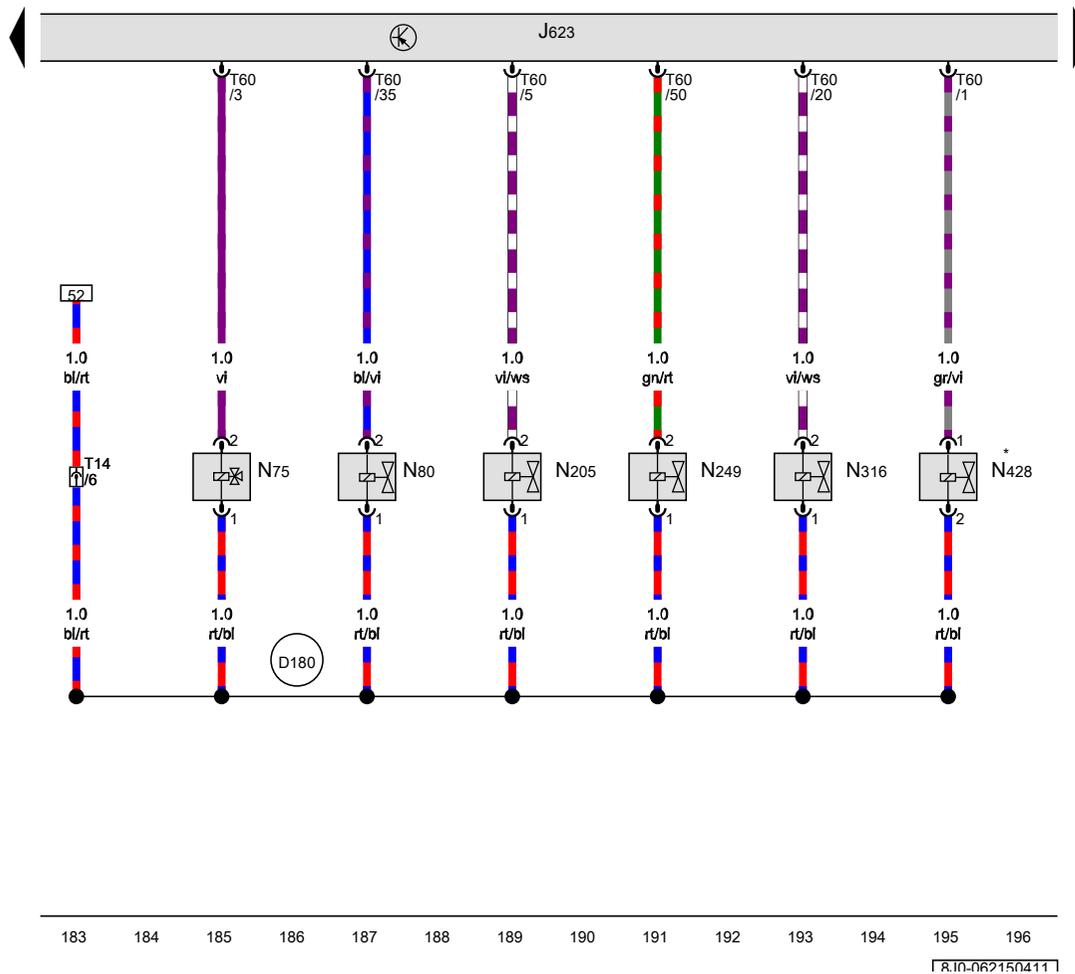
Engine control module, Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Camshaft adjustment valve 1, Turbocharger recirculation valve, Intake manifold runner control valve, Oil pressure regulation valve

- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N80 EVAP canister purge regulator valve 1
- N205 Camshaft adjustment valve 1
- N249 Turbocharger recirculation valve
- N316 Intake manifold runner control valve
- N428 Oil pressure regulation valve
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector

- D180 Connection (87a) (in engine compartment wiring harness)
- \* Not for USA



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

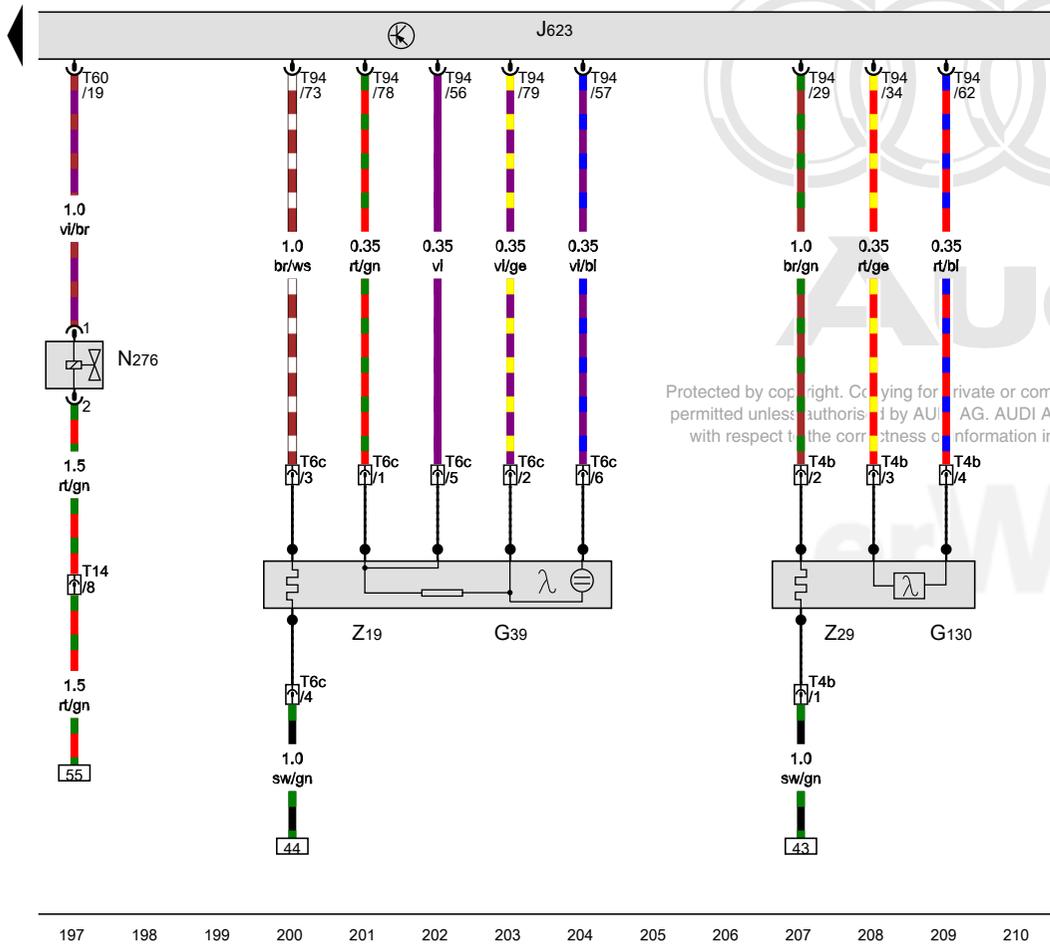


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

[8,10-062150411]

Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module, Fuel pressure regulator valve

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- N276 Fuel pressure regulator valve
- T4b 4-pin connector, black
- T6c 6-pin connector, black
- T14 14-pin connector, in the engine compartment, left front
- T60 60-pin connector
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

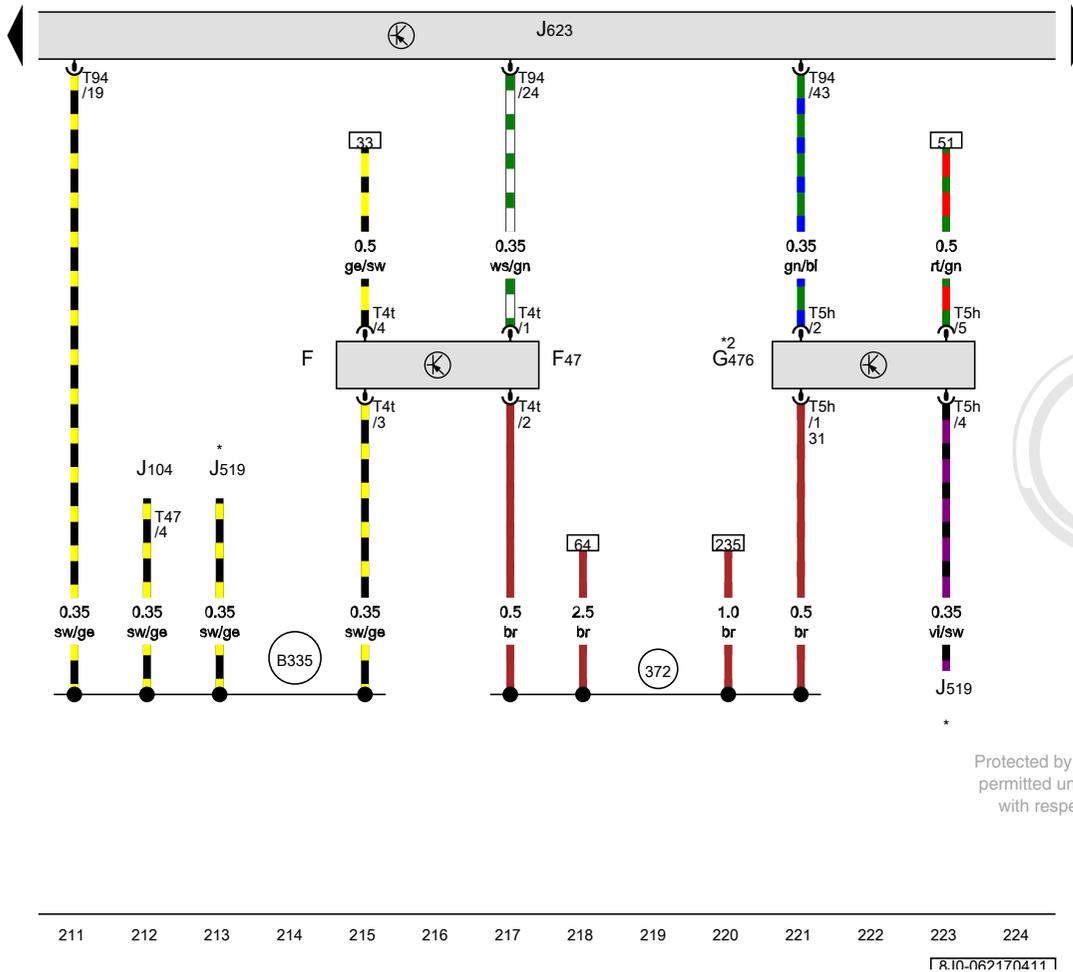
Brake lamp switch, Clutch position sensor, Engine control module

- F Brake lamp switch
- F47 Brake pedal switch
- G476 Clutch position sensor
- J104 ABS control module
- J519 Vehicle electrical system control module
- J623 Engine control module
- T4t 4-pin connector
- T5h 5-pin connector
- T47 47-pin connector
- T94 94-pin connector

372 Ground connection 7 (in main wiring harness)

B335 Connection 1 (54) (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles with a manual transmission



Audi

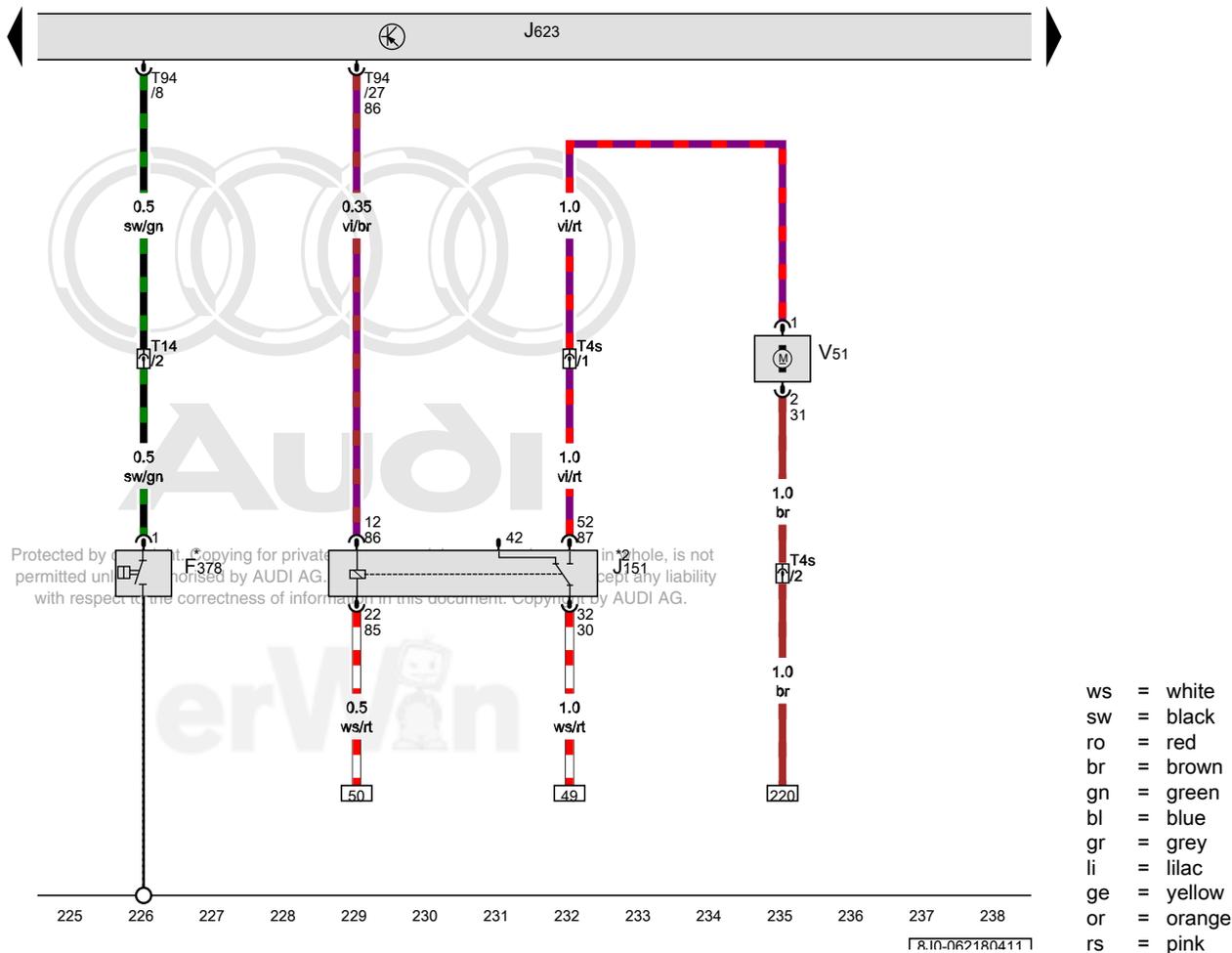
- ws = white
- sw = black
- rg = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorized by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



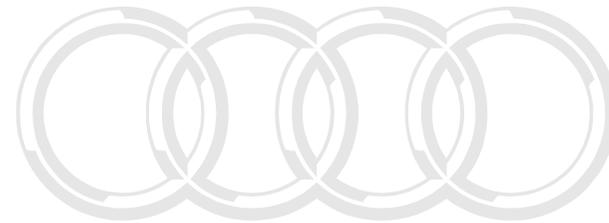
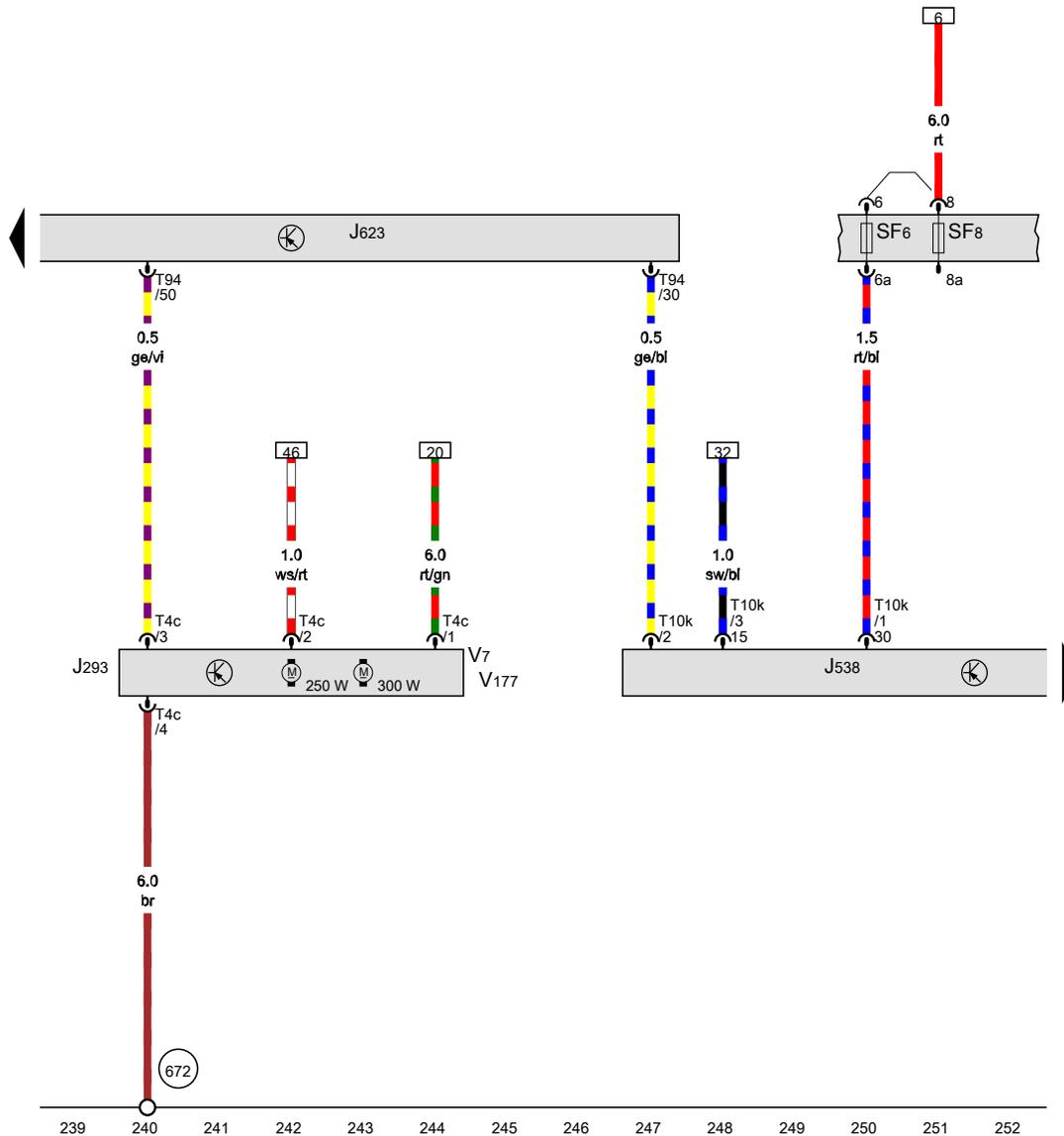
Reduced oil pressure switch, Coolant circulation pump relay, Engine control module

- F378 Reduced oil pressure switch
- J151 Coolant circulation pump relay
- J623 Engine control module
- T4s 4-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T94 94-pin connector
- V51 After-run coolant pump
- \* Not for USA
- \*2 Relay and fuse carrier in the engine compartment E-box



Coolant fan control module, Fuel pump control module, Engine control module, Coolant fan

- J293 Coolant fan control module
- J538 Fuel pump control module
- J623 Engine control module
- SF6 Fuse 6 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T4c 4-pin connector
- T10k 10-pin connector
- T94 94-pin connector
- V7 Coolant fan
- V177 Coolant fan 2
- 672 Ground connection 2 on left front longitudinal member



Audi

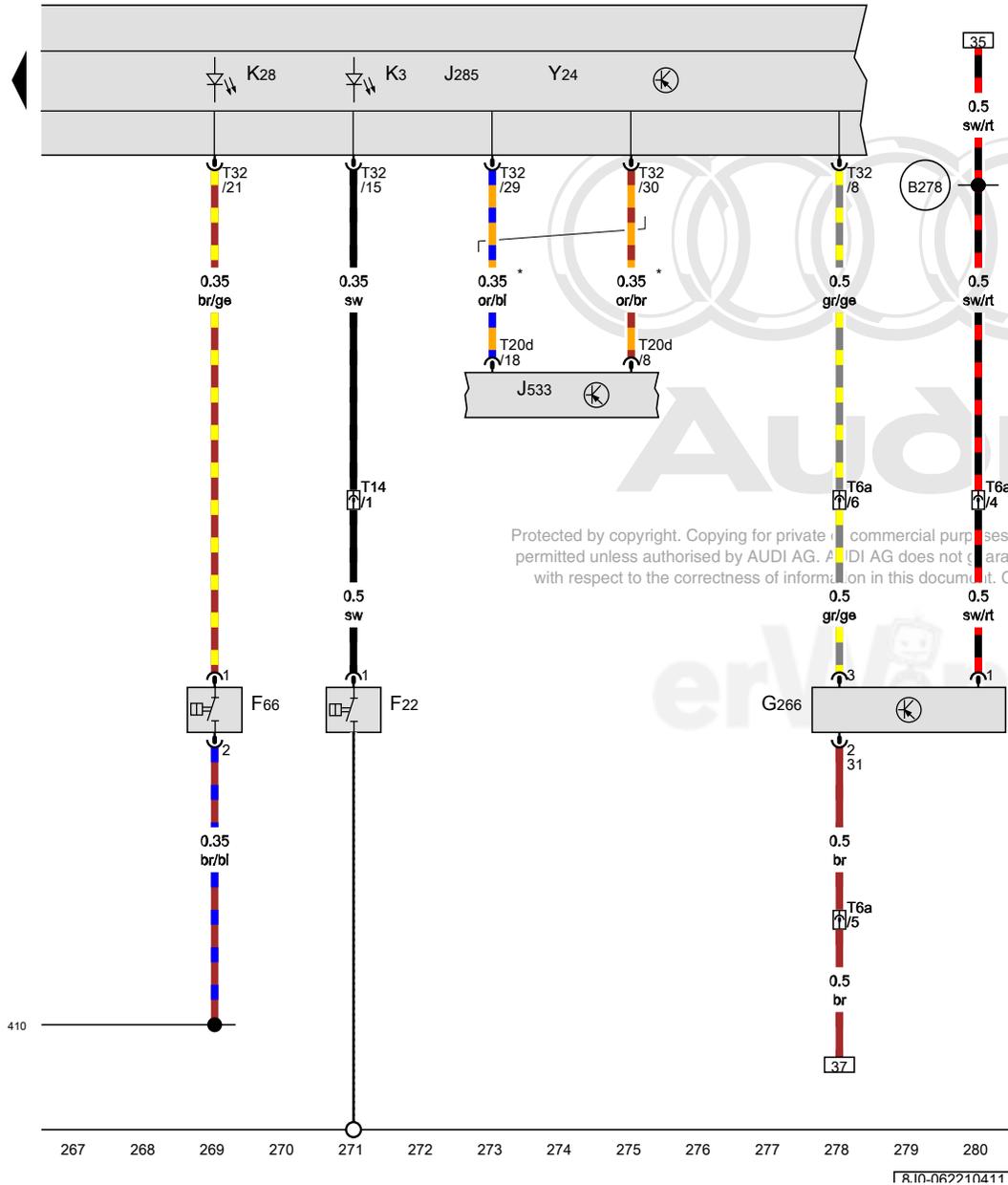
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

18.10.062190411



Oil pressure switch, Engine coolant level warning switch, Oil level thermal sensor, Instrument cluster control module



- F22 Oil pressure switch
- F66 Engine coolant level warning switch
- G266 Oil level thermal sensor
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K3 Oil pressure indicator lamp
- K28 Engine coolant level/temperature indicator lamp
- T6a 6-pin connector, in the engine compartment, left front
- T14 14-pin connector, in the engine compartment, left front
- T20d 20-pin connector
- T32 32-pin connector
- Y24 Display unit in instrument cluster

- 410 Sensor ground connection 1 (in main wiring harness)
- B278 Positive connection 2 (15a) (in main wiring harness)
- \* Data bus wire (CAN bus)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

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

18.10.062210411

# 1 Fuses

## 1.1 Overview of Fuses

### 1 - Fuses on relay carrier behind instrument panel

- ❑ Component: -S44-
- ❑ Component Location: and position of fuses ⇒ [page 22](#)

### 2 - Main fuse carrier on battery -A- Fuses (SD)

- ❑ Component Location and Position of Fuses ⇒ [page 20](#)

### 3 - Fuses (SF) on fuse panel F

- ❑ Component Location and Position of Fuses ⇒ [page 17](#)

### 4 - Fuses (SC) on fuse panel C

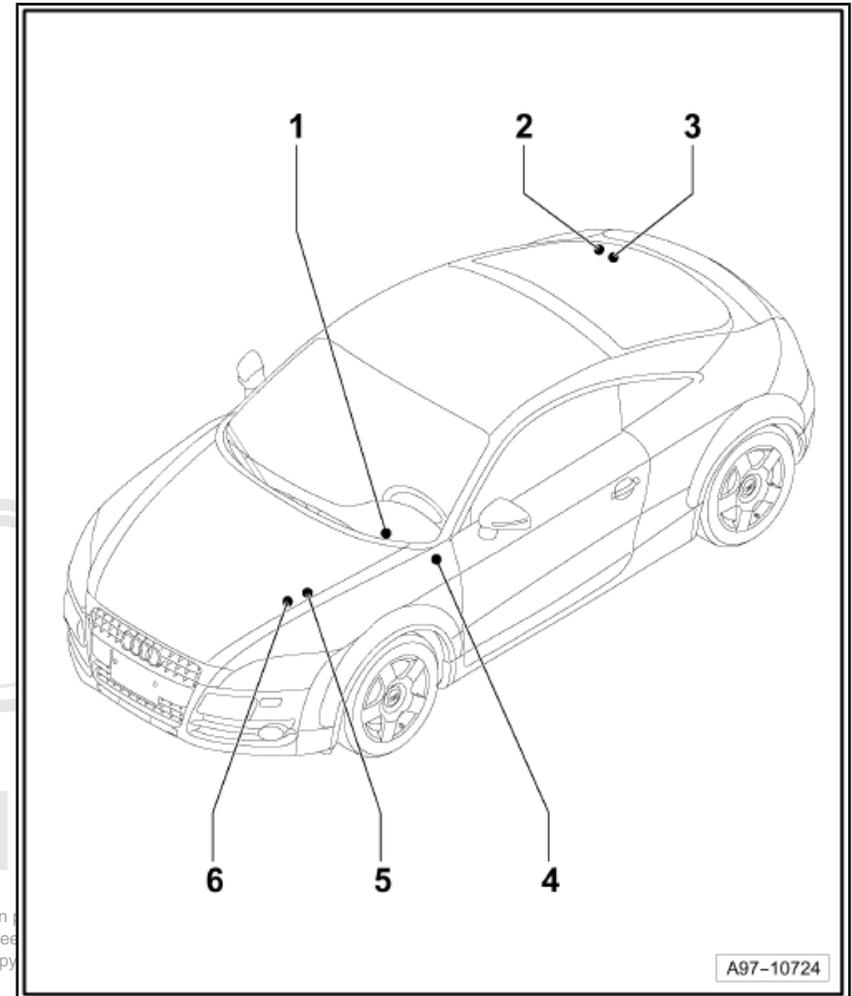
- ❑ Component Location and Position of Fuses ⇒ [page 11](#)

### 5 - Fuses (SB) on fuse panel B

- ❑ Component Location and Position of Fuses ⇒ [page 5](#)

### 6 - Fuses (SA) on fuse panel A

- ❑ Component Location and Position of Fuses ⇒ [page 2](#)



Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the accuracy of the information with respect to the correctness of information in this document. Copy

A97-10724



## 1.2 Fuses (SA) on fuse panel A

On electronics box engine compartment -1-

### Fuse Colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

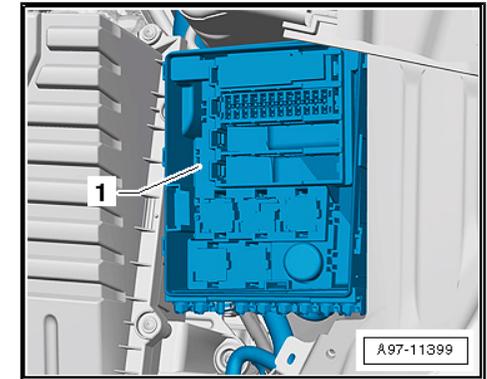
7,5 A - brown

5 A - beige



Audi

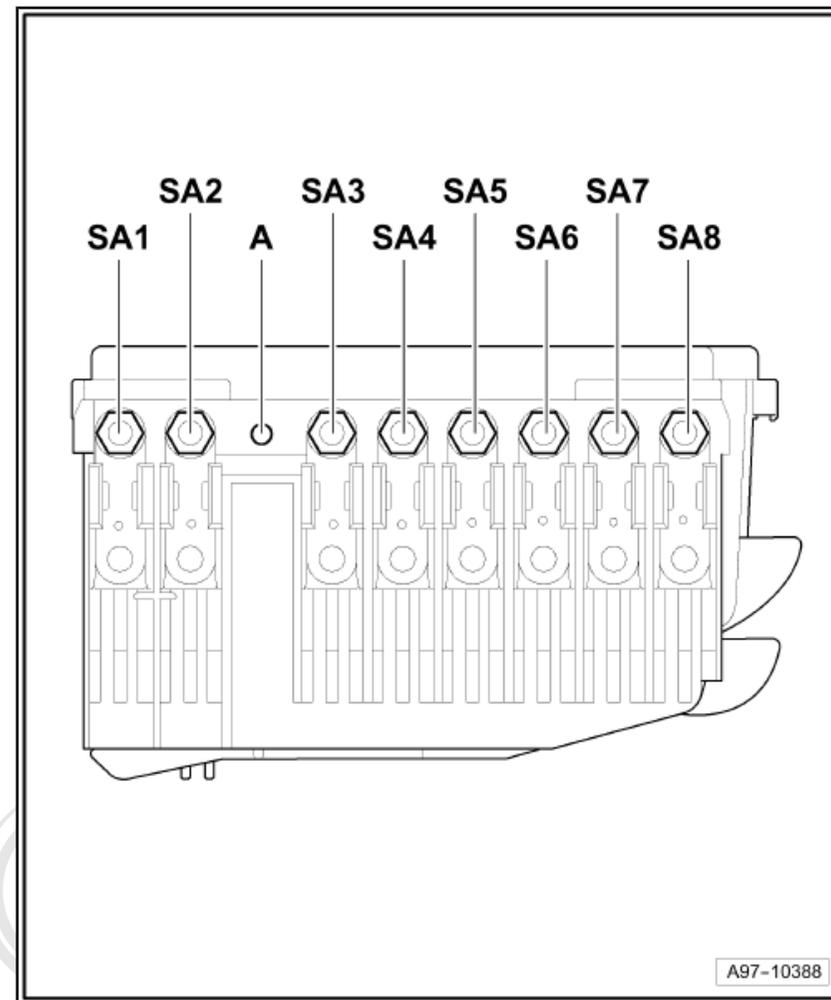
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



A - Threaded Connection - terminal 30 (C) from main fuse carrier on battery -A-

SA - Fuses (on fuse panel A)

□ Position of fuses ⇒ [page 4](#)





Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**1.2.1 Position of fuses on fuse panel A**

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1-	175 A	- Generator (GEN) -C-	30
2	- Fuse 2 (on fuse panel A) -SA2-	80 A	- Power Steering Control Module -J500-	30
3	- Fuse 3 (on fuse panel A) -SA3-	60 A	- Coolant Fan Control (FC) Control Module -J293- Coolant Fan -V7-	30
4	- Fuse 4 (on fuse panel A) -SA4-	110 A	- Fuse carrier supply in electronics box engine compartment	30
5	- Fuse 5 (on fuse panel A) -SA5-	40 A	- Secondary Air Injection (AIR) Pump Motor -V101- Auxiliary Air Heater Heating Element -Z35/1- <sup>1)</sup>	30
6	- Fuse 6 (on fuse panel A) -SA6-	80 A	- Auxiliary Air Heater Heating Element -Z35/2- <sup>1)</sup> Auxiliary Air Heater Heating Element -Z35/3- <sup>1)</sup>	30
7	- Not used			
8	- Not used			



**Note** Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

<sup>1)</sup> Only engine codes *CBBB, CFGB*

### 1.3 Fuses (SB) on fuse panel B

In engine compartment, left -1-

#### Fuse Colours

40 A - orange

30 A - green

25 A - white

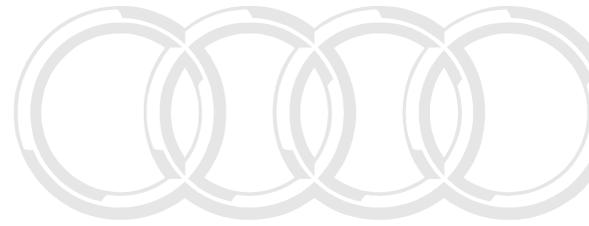
20 A - yellow

15 A - blue

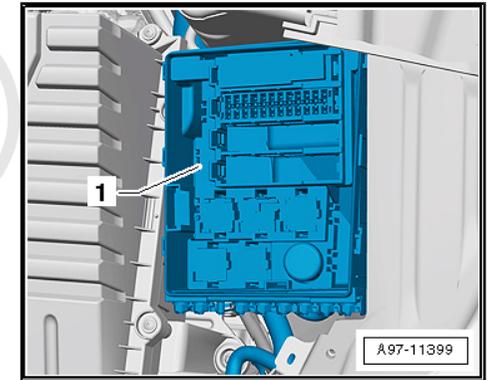
10 A - red

7,5 A - brown

5 A - beige



Audi

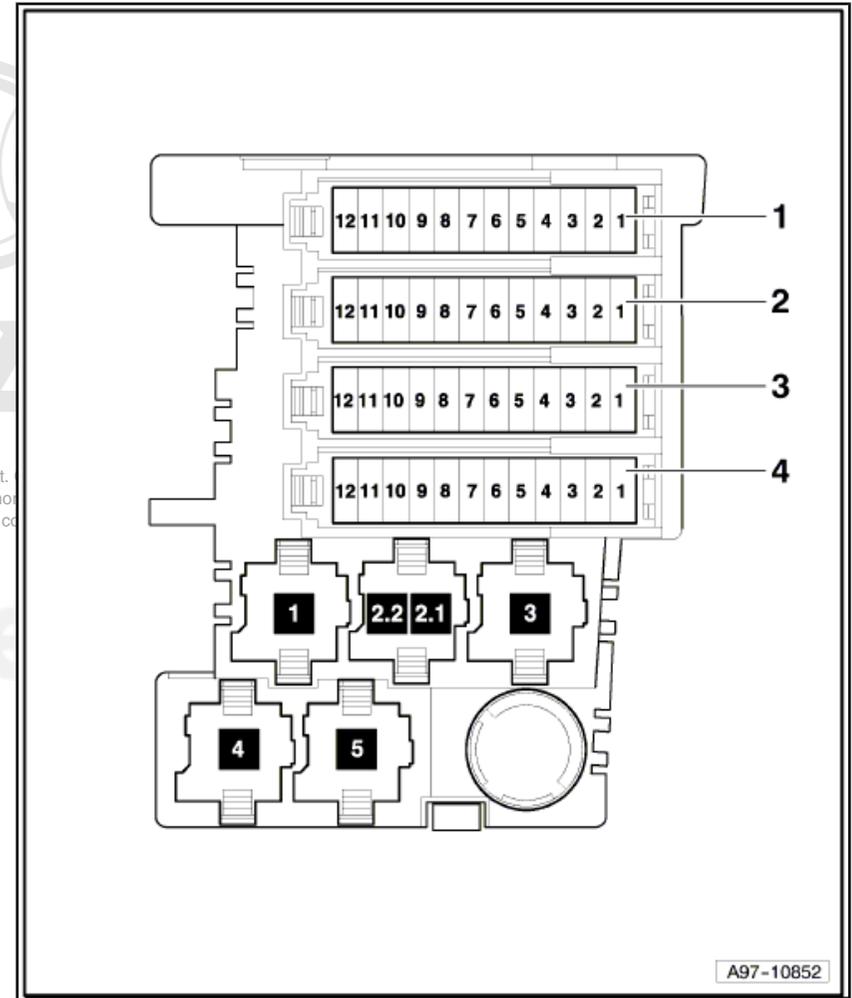


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



- 1 - ST1 - Fuse Carrier (black)
  - Position of fuses ⇒ [page 7](#)
- 2 - ST2 - Fuse Carrier (brown)
  - Position of fuses ⇒ [page 9](#)
- 3 - Not used
- 4 - Not used

Protected by copyright. No reproduction permitted unless authorized in writing with respect to the content.



**1.3.1 Position of Fuses Fuse Carrier ST1**

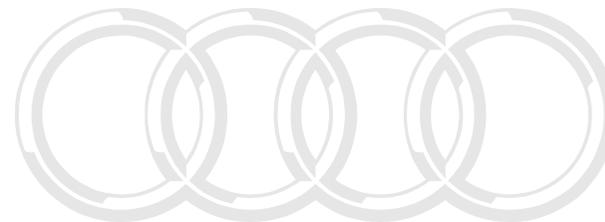
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used			
2	- Not used			
3	- Not used			
4	- Not used			
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- Alarm Horn -H12- Anti-Theft Alarm System Sensor -G578-	30
6	- Fuse 6 (on fuse panel B) -SB6-	30 A	- Headlamp Washer Pump -V11-	30
7	- Fuse 7 (on fuse panel B) -SB7-	15 A 20 A <sup>1)6)</sup> 10 A <sup>5)</sup>	Fuel Pressure Regulator Valve -N276- <sup>1) 2)</sup> Transfer Fuel Pump (FP) -G6- <sup>4)</sup> Control Relay -J789- <sup>5)</sup> Auxiliary Fuel Pump -V393- <sup>3)</sup> Engine Component Power Supply Relay -J757- <sup>6)</sup>	30
8	- Fuse 8 (on fuse panel B) -SB8-	30 A	- Wiper Motor Control Module -J400-	30
9	- Fuse 9 (on fuse panel B) -SB9-	25 A	- Front Left Heated Seat -Z45- Front Right Heated Seat -Z46-	30
10	- Fuse 10 (on fuse panel B) -SB10-	10 A	- Driver's Seat Lumbar Support Curvature Adjustment Motor -V125- Front Passenger's Seat Lumbar Support Curvature Adjustment Motor -V126-	30
11	- Not used			
12	- Fuse 12 (on fuse panel B) -SB12-	40 A	- Fresh Air Blower Control Module -J126- Fresh Air Blower -V2-	30

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



 Note

- ◆ <sup>1)</sup> Only engine codes CDAA, CGZA, CCTA
- ◆ <sup>2)</sup> Only engine codes BWA, BPY, CDMA, CDLB, CDLA
- ◆ <sup>3)</sup> Only engine codes CBBB, CFGB
- ◆ <sup>4)</sup> Only engine codes BUB, CBRA
- ◆ <sup>5)</sup> Only engine codes CEPA, CEPB
- ◆ <sup>6)</sup> Only engine codes CESA, CETA



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin

1.3.2 Position of Fuses Fuse Carrier ST2

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	15 A	- Transfer Fuel Pump (FP) -G6- <sup>4)</sup> Exhaust Flap Valve 1 -N321- <sup>5)</sup>	87
2	- Fuse 2 (on fuse panel B) -SB2-	10 A 30 A <sup>5)</sup>	- Heated Oxygen Sensor (HO2S) -G39- <sup>4)</sup> Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- <sup>4)</sup> Fuel Pump (FP) Control Module -J538- <sup>5)</sup>	87
3	- Fuse 3 (on fuse panel B) -SB3-	5 A	- Mass Air Flow (MAF) Sensor -G70- <sup>4)</sup>	87
4	- Fuse 4 (on fuse panel B) -SB4-	10 A	- Heated Oxygen Sensor (HO2S) 2 -G108- <sup>4)</sup> Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131- <sup>4)</sup>	87
5	- Fuse 5 (on fuse panel B) -SB5-	5 A 10 A <sup>5)</sup>	- Engine Component Power Supply Relay -J757- <sup>2)</sup> Automatic Glow Time Control Module -J179- <sup>3)</sup> Auxiliary Fuel Pump Relay -J832- <sup>3)</sup> Fuel Pump (FP) Relay -J17- <sup>3)</sup> Heated Oxygen Sensor (HO2S) -G39- <sup>5)</sup>	87
6	- Fuse 6 (on fuse panel B) -SB6-	10 A	- Leak Detection Pump (LDP) -V144- <sup>4)</sup> Secondary Air Injection (AIR) Pump Relay -J299- <sup>4)</sup> Heated Oxygen Sensor (HO2S) -G39- <sup>1)2)3)6)</sup> Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- <sup>1)2)5)6)</sup> Secondary Air Injection (AIR) Solenoid Valve -N112- <sup>4)</sup> Secondary Air Injection (AIR) Solenoid Valve 2 -N320- <sup>4)</sup>	87
7	- Fuse 7 (on fuse panel B) -SB7-	10 A	- Wastegate Bypass Regulator Valve -N75- <sup>3)</sup> Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- <sup>4)</sup> Intake Manifold Tuning (IMT) Valve -N156- <sup>4)</sup> Camshaft Adjustment Valve 1 -N205- <sup>4)</sup> Camshaft Adjustment Valve 1 (exhaust) -N318- <sup>4)</sup> Exhaust Gas Recirculation (EGR) Cooler Switch-Over Valve -N345- <sup>3)</sup> Coolant Fan Control (FC) Control Module -J293- <sup>1)3)4)5)6)</sup> Leak Detection Pump (LDP) -V144- <sup>1)6)</sup> Intake Manifold Runner Control (IMRC) Valve -N316- <sup>6)</sup>	87
8	- Fuse 8 (on fuse panel B) -SB8-	20 A <sup>1)</sup> <sup>2)5)6)</sup> 30 A <sup>4)</sup> 5 A <sup>3)</sup>	- Ignition Coils -N...- <sup>1)2)4)5)6)</sup> Preheating Coolant, Low Heat Output Relay -J359- <sup>3)</sup> Preheating Coolant, High Heat Output Relay -J360- <sup>3)</sup>	87

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability for errors or omissions with respect to the correctness of information in this document. Copyright by AUDI AG.

9	- Fuse 9 (on fuse panel B) -SB9-	15 A <sup>1)</sup> 6) 25 A <sup>2)</sup> 30 A <sup>3)</sup> 25 A <sup>4)5)</sup>	- Engine Control Module (ECM) -J623-	87
10	- Fuse 10 (on fuse panel B) -SB10-	10 A	- After-Run Coolant Pump -V51- <sup>1)2)4)5)</sup> Coolant Circulation Pump Relay -J151- <sup>1)2)4)6)</sup> Exhaust Gas Recirculation (EGR) Cooler Pump -V400- <sup>3)</sup> Coolant Circuit Solenoid Valve -N492- <sup>5)</sup> Auxiliary Engine Coolant (EC) Pump Relay -J496- <sup>5)</sup>	87
11	- Fuse 11 (on fuse panel B) -SB11-	5 A	- Clutch Position Sensor -G476-	87
12	- Fuse 12 (on fuse panel B) -SB12-	10 A 20 A <sup>3)</sup>	- Engine Component Power Supply Relay -J757- <sup>1)6)</sup> Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- <sup>1)2)6)</sup> Wastegate Bypass Regulator Valve -N75- <sup>1)2)6)</sup> Camshaft Adjustment Valve 1 -N205- <sup>1)6)</sup> Turbocharger Recirculating Valve -N249- <sup>1)2)6)</sup> Fuel Pressure Regulator Valve -N276- <sup>3)</sup> Fuel Metering Valve -N290- <sup>3)</sup> Intake Manifold Runner Control (IMRC) Valve -N316- <sup>1)</sup> Oil Pressure Regulation Valve -N428- <sup>1)6)</sup> Secondary Air Injection (AIR) Solenoid Valve -N112- <sup>6)</sup> Actuator 1 for camshaft adjustment -F366- <sup>6)</sup>	87

Protected by copyright. Copying or reproduction in any form is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.


**Note**

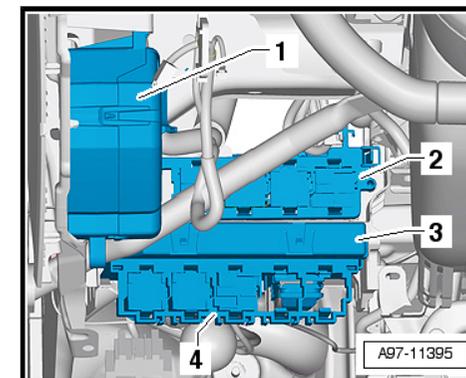
- ◆ <sup>1)</sup> Only engine codes CDAA, CCZA, CCTA
- ◆ <sup>2)</sup> Only engine codes BWA, BPY, CDMA, CDLA, CDLB
- ◆ <sup>3)</sup> Only engine codes CBBB, CFGB
- ◆ <sup>4)</sup> Only engine codes BUB, CBRA
- ◆ <sup>5)</sup> Only engine codes CEPA, CEPB
- ◆ <sup>6)</sup> Only engine codes CESA, CETA

### 1.4 Fuses (SC) on fuse panel C

On left instrument panel, left-hand drive -1-

- 1 - Fuse Panel C
- 2 - Relay carrier behind instrument panel
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

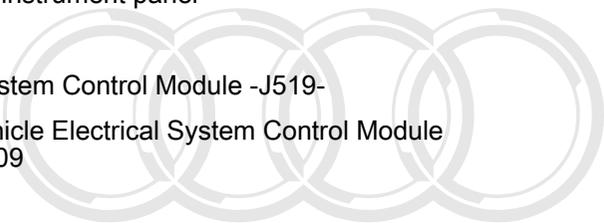


**On right instrument panel right-hand drive -2-**

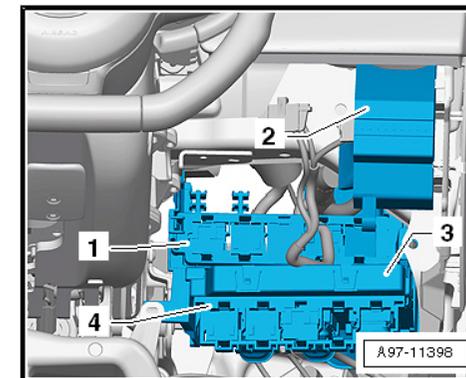
- 1 - Relay carrier behind instrument panel
- 2 - Fuse Panel C
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009

**Fuse Colours**

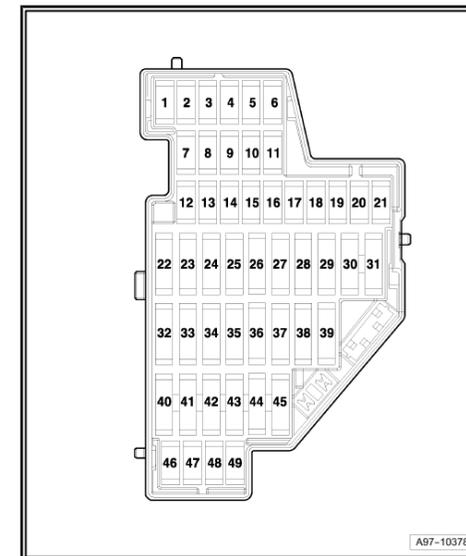
- 40 A - orange
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7,5 A - brown
- 5 A - beige



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Position of fuses



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	10 A	- Fuel Pump (FP) Relay -J17- Fuel Pump (FP) 2 Relay -J49- 1) Fuel Pump (FP) Control Module -J538- Engine Control Module (ECM) -J623- Front Passenger Airbag Disabled Indicator Lamp -K145- Headlamp Switch Illumination -L9- 16-Pin Connector, Diagnostic Connector -T16-	15
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- ABS Control Module -J104- Brake Light Switch -F-	15
3	- Fuse 3 (on fuse panel C) -SC3-	5 A	- Left Headlamp Power Output Stage -J667-	15
4	- Fuse 4 (on fuse panel C) -SC4-	5 A	- Oil Level Thermal Sensor -G266- Tire Pressure Monitoring Button -E226- Tire Pressure Monitoring Control Module -J793- ASR/ESP Button -E256- Headlamp Range Control Module -J431- High Pressure Sensor -G65- Back-Up Light Switch -F4-	15
5	- Fuse 5 (on fuse panel C) -SC5-	10 A <sup>5)</sup> 5 A <sup>6)</sup>	- Right Headlamp Beam Adjustment Motor -V49- <sup>5)</sup> Left Headlamp Beam Adjustment Motor -V48- <sup>5)</sup> Headlamp Adjuster -E102- <sup>5)</sup> Headlamp Range Control Module -J431- <sup>6)</sup> Right Headlamp Power Output Stage -J668- <sup>6)</sup>	15

6	- Fuse 6 (on fuse panel C) -SC6-	5 A	- Power Steering Control Module -J500- Data Bus On Board Diagnostic Interface -J533- Selector Lever Sensor Control Module -J587- Direct Shift Gearbox (DSG) Mechatronic -J743-	15
7	- Fuse 7 (on fuse panel C) -SC7-	5 A	- Parking Aid Control Module -J446- Automatic Day/Night Interior Mirror -Y7- Garage Door Opener Control Head -E284- Garage Door Opener Control Module -J530- Left Washer Nozzle Heater -Z20- Right Washer Nozzle Heater -Z21- Vehicle Electrical System Control Module -J519- Windshield Washer Pump Relay -J576- Wind Deflector Control Module (Cabrio) -J531-	15
8	- Fuse 8 (on fuse panel C) -SC8-	5 A 10 A <sup>2)</sup>	- All-Wheel Drive Control Module -J492-	15
9	- Fuse 9 (on fuse panel C) -SC9-	5 A	- Electronic Damping Control Module -J250-	15
10	- Fuse 10 (on fuse panel C) -SC10-	5 A	- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706- <sup>7)</sup>	15
11	- Fuse 11 (on fuse panel C) -SC11- <small>Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.</small>	10 A <sup>1)4)</sup> 5 A <sup>3)</sup>	- Mass Air Flow (MAF) Sensor -G70- <sup>3)4)</sup> Structure-Borne Sound Control Module -J869- <sup>4)</sup> Positive Crankcase Ventilation (PCV) Heating Element -N79- <sup>1)4)</sup>	15
12	- Fuse 12 (on fuse panel C) -SC12-	10 A	- Driver's Door Control Module -J386- Front Passenger's Door Control Module -J387-	30
13	- Fuse 13 (on fuse panel C) -SC13-	10 A	- 16-Pin Connector, Diagnostic Connector -T16-	30
14	- Fuse 14 (on fuse panel C) -SC14-	5 A 15 A <sup>15)</sup>	- Rain/Light Recognition Sensor -G397- <sup>12)</sup> Selector Lever Sensor Control Module -J587- <sup>14)</sup> Direct Shift Gearbox (DSG) Mechatronic -J743- <sup>15)</sup>	30
15	- Fuse 15 (on fuse panel C) -SC15-	5 A 15 A <sup>13)</sup>	- Vehicle Electrical System Control Module -J519- Front Interior Light -W1- Rain/Light Recognition Sensor -G397- <sup>13)</sup>	30
16	- Fuse 16 (on fuse panel C) -SC16-	10 A	- Climatronic Control Module -J255-	30
17	- Fuse 17 (on fuse panel C) -SC17-	5 A	- Tire Pressure Monitoring Control Module -J502- <sup>7)</sup> Tire Pressure Monitoring Control Module 2 -J793- Selector Lever Sensor Control Module -J587- <sup>15)</sup>	30
18	- Not used			
19	- Not used			
20	- Not used			
21	- Fuse 21 (on fuse panel C) -SC21-	10 A	- Injectors -N....- <sup>1)</sup>	15
22	- Fuse 22 (on fuse panel C) -SC22-	30 A	- Wind Deflector Control Module (Cabrio) -J531- <sup>9)</sup>	30

23	- Fuse 23 (on fuse panel C) -SC23-	20 A	- High Tone Horn -H2- Low Tone Horn -H7-	30
24	- Fuse 24 (on fuse panel C) -SC24-	15 A 30 A <sup>15)</sup>	- Direct Shift Gearbox (DSG) Mechatronic -J743-	30
25	- Fuse 25 (on fuse panel C) -SC25-	30 A 20 A <sup>9)</sup>	- Heated Rear Window -Z1-	30
26	- Fuse 26 (on fuse panel C) -SC26-	30 A	- Driver's Window Regulator Motor -V147-	30
27	- Fuse 27 (on fuse panel C) -SC27-	30 A	- Front Passenger's Window Regulator Motor -V148-	30
28	- Not used			
29	- Fuse 29 (on fuse panel C) -SC29-	15 A	- Windshield Washer Pump -V5-	15
30	- Fuse 30 (on fuse panel C) -SC30-	20 A	- Cigarette Lighter -U1- <sup>10)</sup> 12 V Socket -U5- <sup>7)10)</sup>	15
31	Fuse 31 (on fuse panel C) -SC31-	40 A	- Starter -B- Power Supply Relay (terminal 50) -J682-	15
32	Fuse 32 (on fuse panel C) -SC32-	5 A	- Steering Column Electronic Systems Control Module -J527-	30
33	Fuse 33 (on fuse panel C) -SC33-	5 A	- Instrument Cluster Control Module -J285-	30
34	Fuse 34 (on fuse panel C) -SC34-	15 A 20 A <sup>8)</sup>	- Navigation System Control Module with CD Drive -J401- Radio -R- Radio/Navigation Display Control Module -J503-	30
35	Fuse 35 (on fuse panel C) -SC35-	30 A	- Digital Sound System Control Module -J525-	30
36	Fuse 36 (on fuse panel C) -SC36-	10 A	- Engine Control Module (ECM) -J623- Motronic Engine Control Module (ECM) Power Supply Relay -J271- Power Supply Relay (terminal 30) -J317- <sup>4)</sup>	30
37	- Fuse 37 (on fuse panel C) -SC37-	5 A	- Data Bus On Board Diagnostic Interface -J533-	30
38	- Fuse 38 (on fuse panel C) -SC38-	20 A	- Sockets Relay -J807- <sup>11)</sup> Cigarette Lighter -U1- <sup>11)</sup> 12 V Socket -U5- <sup>7)11)</sup>	30
39	- Not used			
40	- Not used			
41	- Not used			
42	- Not used			
43	- Not used			
44	- Not used			
45	- Not used			
46	- Not used			

47	- Fuse 47 (on fuse panel C) -SC47-	5 A	- Satellite Radio -R146- <sup>7)</sup> Telephone Transceiver -R36- Amplifier for Telephone -R86-	30
		7,5 A	- TV Tuner -R78- Cellular Telephone Preparation	30
48	- Fuse 48 (on fuse panel C) -SC48-	5 A	- Cellular Telephone Preparation	15
49	- Not used			


**Note**

- ◆ <sup>1)</sup> Only engine codes BUB, CBRA
- ◆ <sup>2)</sup> Only engine codes CDLB, CDLA
- ◆ <sup>3)</sup> Only engine codes BWA, BPY, CDMA, CDLA, CDLB
- ◆ <sup>4)</sup> Only engine codes CBBB, CFGB
- ◆ <sup>5)</sup> Manual headlamp range control
- ◆ <sup>6)</sup> Automatic headlamp range control
- ◆ <sup>7)</sup> Only models with US equipment
- ◆ <sup>8)</sup> Only models with Japan equipment
- ◆ <sup>9)</sup> Roadster
- ◆ <sup>10)</sup> Through May 2007
- ◆ <sup>11)</sup> from June 2007
- ◆ <sup>12)</sup> Through May 2009
- ◆ <sup>13)</sup> from June 2009
- ◆ <sup>14)</sup> Only DQ500 7-speed-Direct Shift Gearbox OBH (S tronic)
- ◆ <sup>15)</sup> Only DQ200 7-speed-Direct Shift Gearbox OAM (S tronic)

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

### 1.5 Fuses (SF) on fuse panel F

In luggage compartment, right rear -1-

#### Fuse Colours

40 A - orange

30 A - green

25 A - white

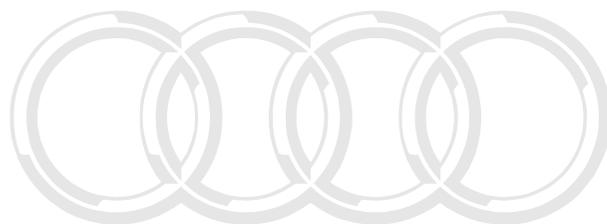
20 A - yellow

15 A - blue

10 A - red

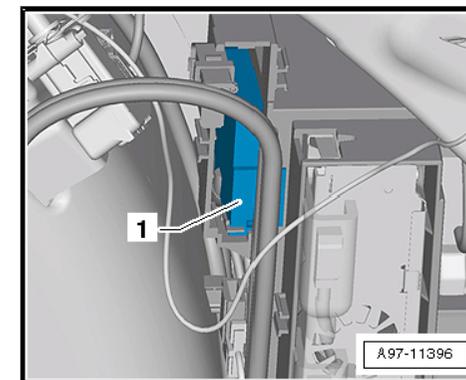
7,5 A - brown

5 A - beige



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



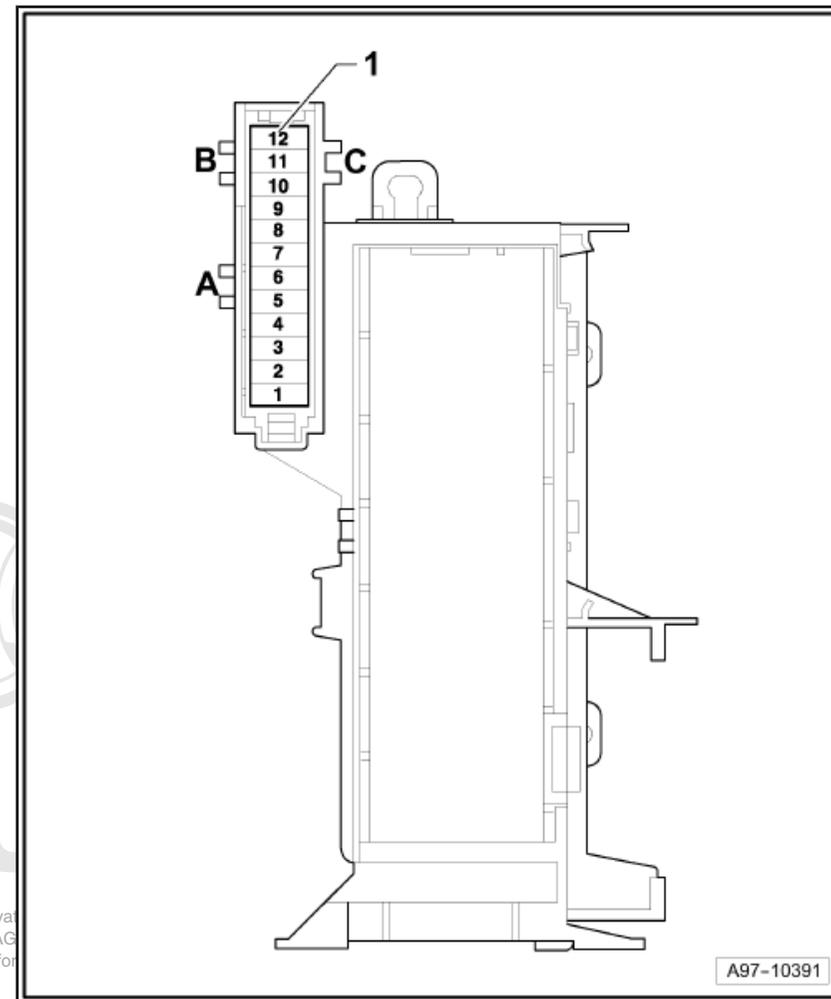
A - Not used

B - Not used

C - Not used

1 - Fuse panel SF

□ Position of fuses ⇒ [page 19](#)



Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG with respect to the correctness of information.

A97-10391

**1.5.1 Position of fuses on fuse panel F**

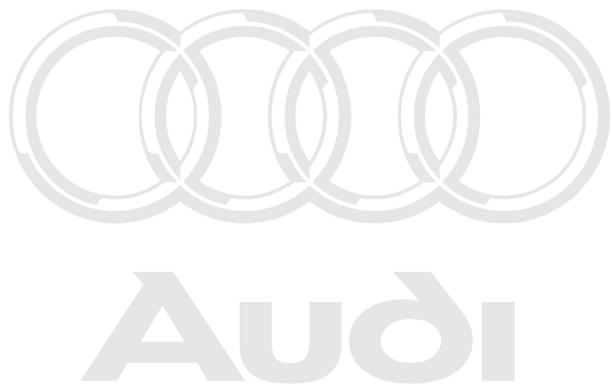
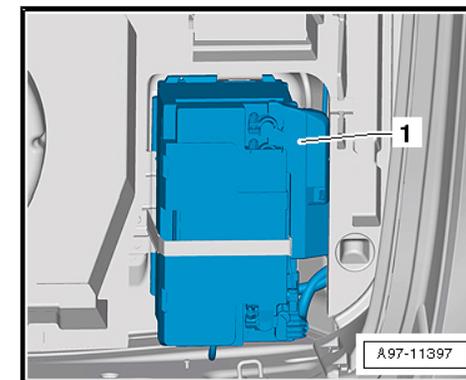
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Vehicle Electrical System Control Module -J519- (reference voltage)	30
2	- Fuse 2 (on fuse panel F) -SF2-	40 A	- Vehicle Electrical System Control Module -J519-	30
3	- Not used			
4	- Fuse 4 (on fuse panel F) -SF4-	30 A	- Convertible Top Control Module -J256- <sup>1)</sup> Convertible Top Hydraulic Pump -V118- <sup>1)</sup>	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Parking Aid Control Module -J446- Special Functions Interface <sup>2)</sup>	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Fuel Pump (FP) Control Module -J538- <sup>3)4)</sup> Transfer Fuel Pump (FP) -G6- <sup>5)</sup>	30
7	- Fuse 7 (on fuse panel F) -SF7-	40 A	- Vehicle Electrical System Control Module -J519-	30
8	- Fuse 8 (on fuse panel F) -SF8-	20 A	- ABS Control Module -J104- (ABS-valves)	30
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	- Electronic Damping Control Module -J250-	30
10	- Fuse 10 (on fuse panel F) -SF10-	20 A <sup>6)</sup> 10 A <sup>7)</sup>	- Comfort System Central Control Module -J393- <sup>6)</sup> Vehicle Electrical System Control Module -J519- <sup>7)</sup>	30
11	- Fuse 11 (on fuse panel F) -SF11-	25 A	- Convertible Top Control Module -J256- <sup>1)</sup>	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A <sup>6)</sup>	- Comfort System Central Control Module -J393- <sup>6)</sup>	30


**Note**

- ◆ <sup>1)</sup> Roadster
- ◆ <sup>2)</sup> from June 2007
- ◆ <sup>3)</sup> Only engine codes CDAA, CCZA, CCTA
- ◆ <sup>4)</sup> Only engine codes BWA, BPY, CDMA, CDLA, CDLB
- ◆ <sup>5)</sup> Only engine codes CBBB, CFGB
- ◆ <sup>6)</sup> Through May 2009
- ◆ <sup>7)</sup> from June 2009

### 1.6 Fuses on Main Fuse Carrier

In luggage compartment on Battery -A- -1-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



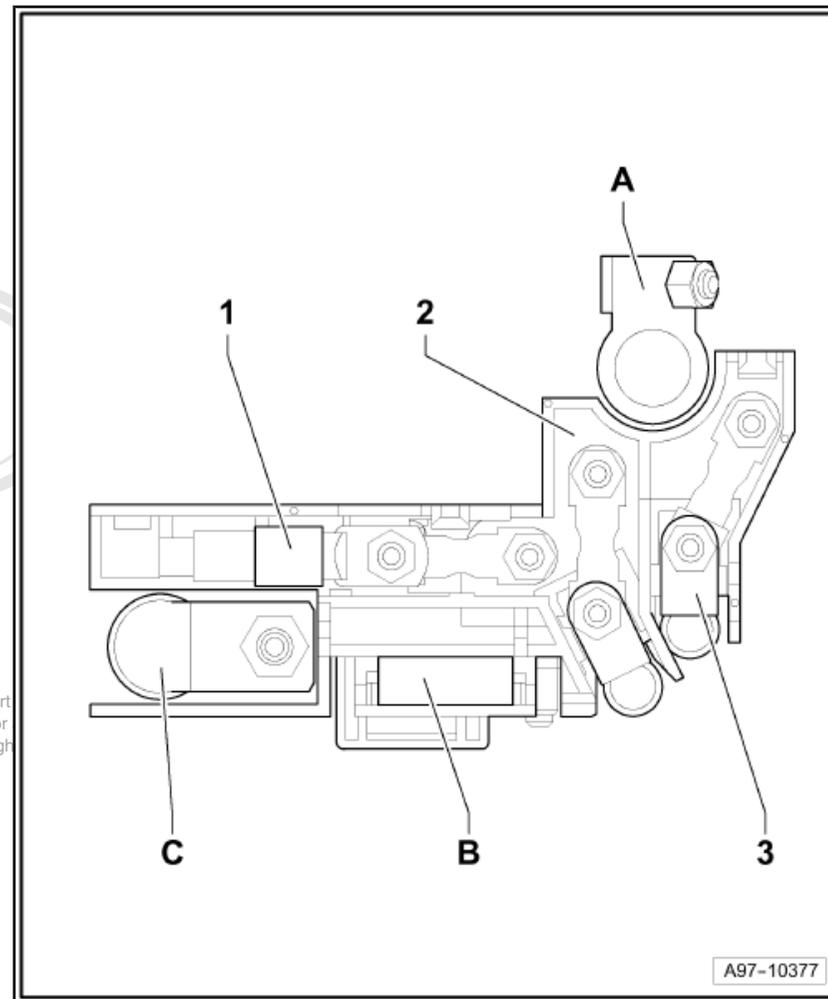
- A - Battery positive connector
- B - Battery Interrupt Igniter -N253-
- C - Wiring to fuse panel A
- C - Wiring to starter -B-
- 1 - Fuse 1 (on fuse panel D) -SD1- , 40 A to ABS Hydraulic Pump -V64-
- 2 - Fuse 2 (on fuse panel D) -SD2- , 110 A to fuse panel F
- 3 - Fuse 3 (on fuse panel D) -SD3- , 110 A to Fuse Panel C



Audi

Protected by copyright. Copying for private or commercial purposes, in part permitted unless authorised by AUDI AG. AUDI AG does not guarantee or with respect to the correctness of information in this document. Copyright

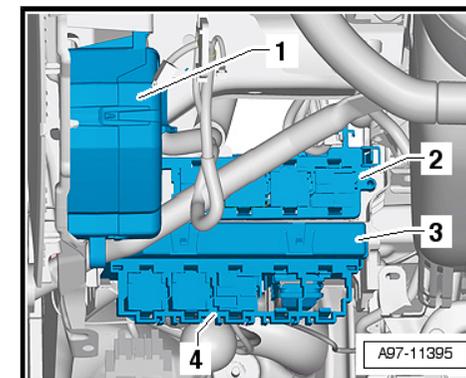
erWin



## 1.7 Fuses on relay carrier behind instrument panel

Behind left instrument panel, left-hand drive -2-

- 1 - Fuse Panel C
- 2 - Relay carrier behind left instrument panel
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009

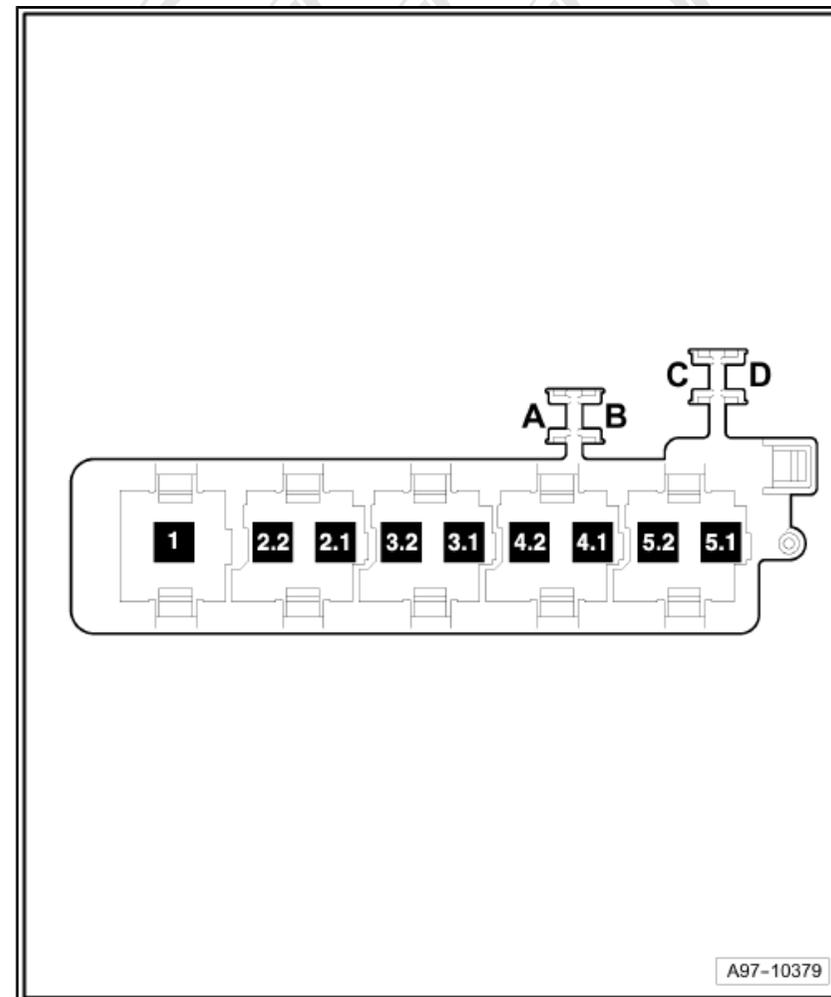


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



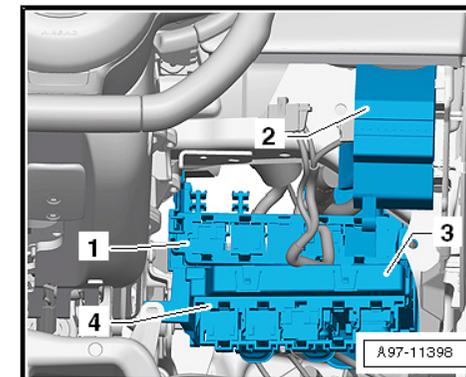
Position of fuses, left-hand drive

- A - Not used
- B - Not used
- C - Driver's Power Seat Adjustment Circuit Breaker 1 -S44- , 20 A
- D - Not used



**Behind right instrument panel right-hand drive -1-**

- 1 - Relay carrier behind right instrument panel
- 2 - Fuse Panel C
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



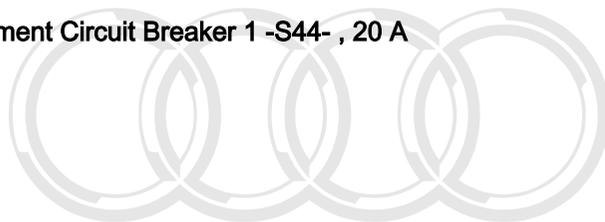
Position of fuses, right-hand drive

A - Not used

B - Not used

C - Driver's Power Seat Adjustment Circuit Breaker 1 -S44- , 20 A

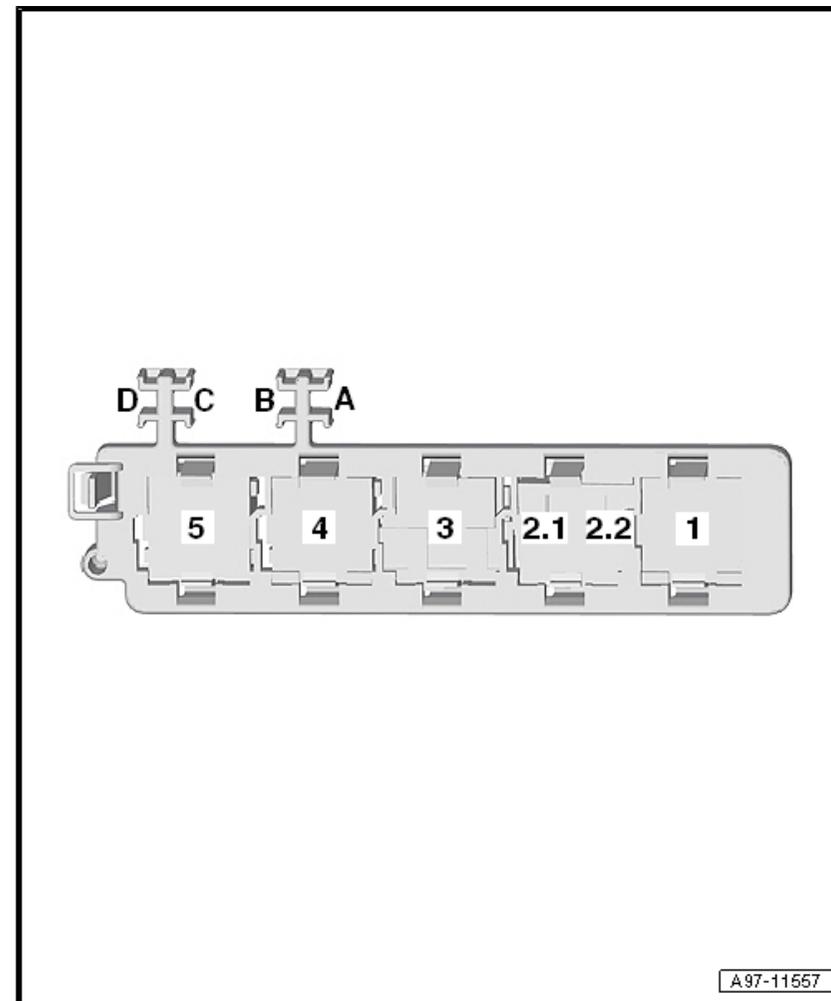
D - Not used



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



1 Connector stations and connectors of wiring harnesses

1.1 Overview of connector stations and connectors

1 - Connector station below right front seat

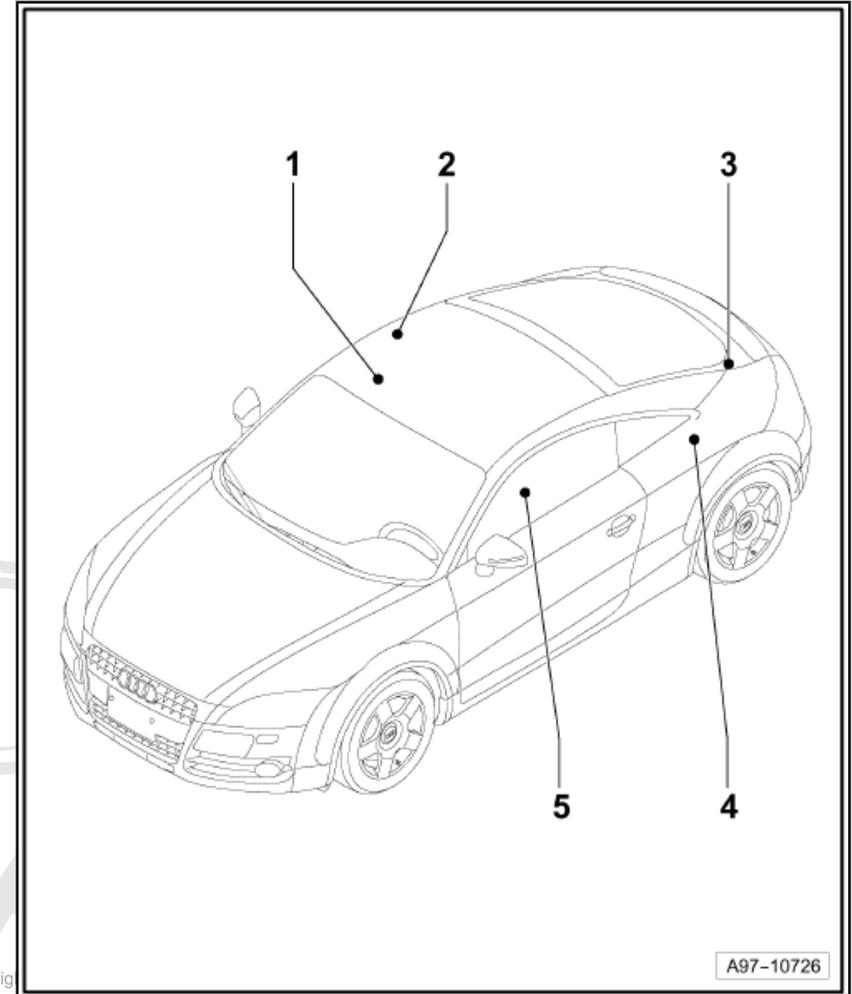
- With pin connectors
  - T10i-,
  - T3d-,
  - T6e-,
  - T10g-
- Component Location ⇒ [page 4](#)

2 - Connector station, right rear lid (on rear right roof frame)

- With pin connectors
  - T2f-,
  - T2e-,
  - T2d-,
  - T2c- antenna connection
- Component Location ⇒ [page 5](#)

3 - Connector station, left rear lid (Roadster)

- With pin connectors -T6f-, -T8e-
- Component Location ⇒ [page 6](#)



Protected by copyright. All rights reserved. Reproduction, distribution, or use in any form is prohibited without the written permission of Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



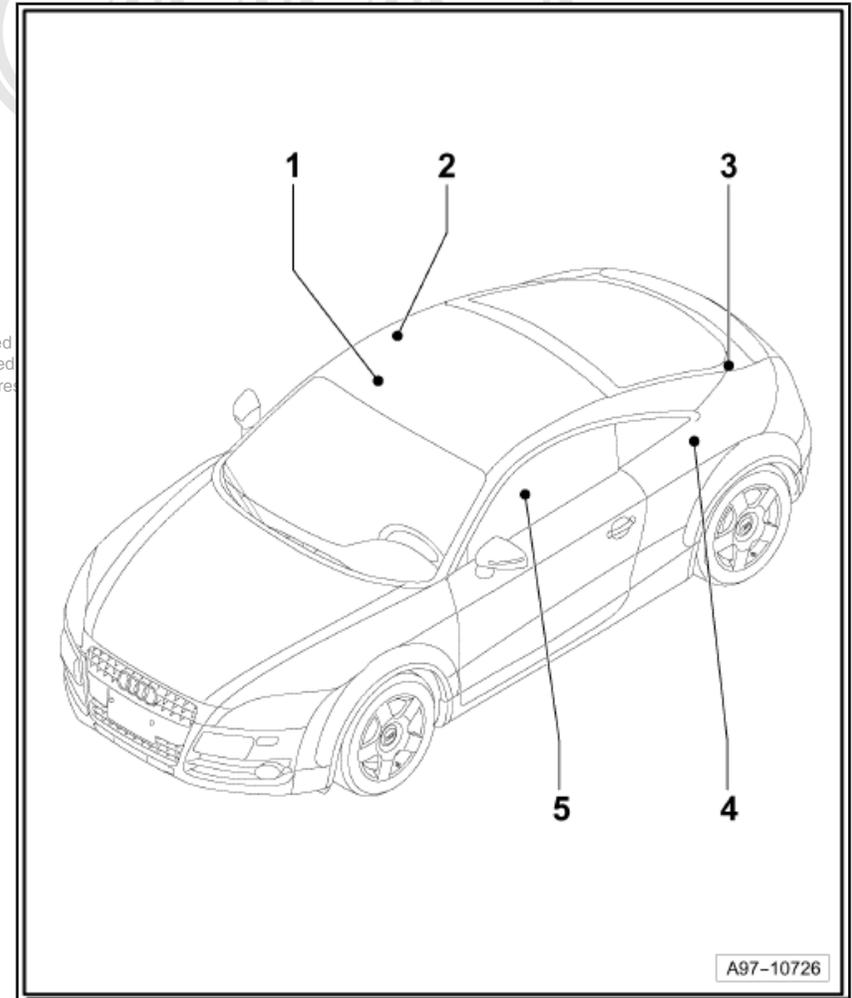
**4 - Connector station, left rear lid (behind side panel)**

- With pin connectors
  - T6f-,
  - T8e-,
- Component Location ⇒ [page 7](#)

**5 - Connector station below left front seat**

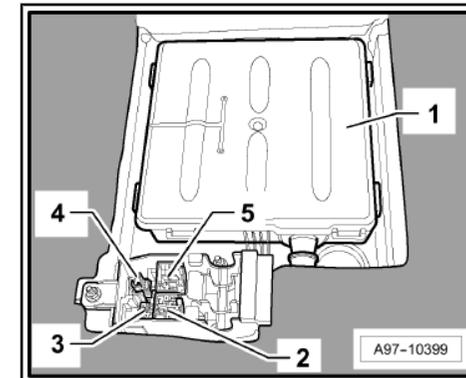
- With pin connectors
  - T10f-,
  - T10h-,
  - T3c-,
  - T6d-
- Component Location ⇒ [page 3](#)

Protected  
permitted  
with re



## 1.2 Connector station below left front seat

- 1 - Telephone Transceiver -R36-
- 2 - 10-Pin Connector -T10f-, red
- 3 - 10-Pin Connector -T10h-, black
- 4 - 3-Pin Connector -T3c-, yellow
- 5 - 6-Pin Connector -T6d-, green



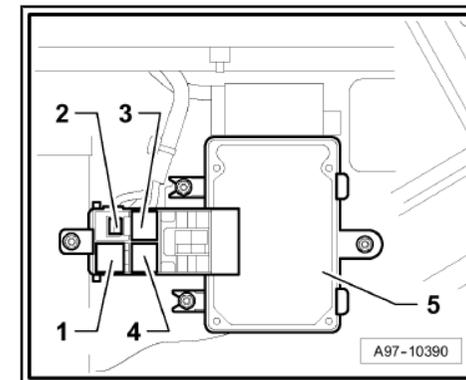
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.3 Connector station below right front seat

- 1 - 10-Pin Connector -T10i-, black
- 2 - 3-Pin Connector -T3d-, yellow
- 3 - 6-Pin Connector -T6e-, green
- 4 - 10-Pin Connector -T10g-, red
- 5 - Electronic Damping Control Module -J250-



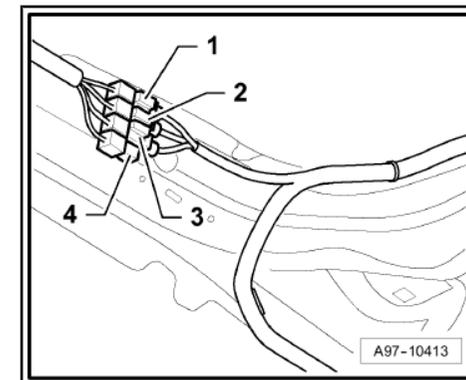
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.4 Connector station, right rear lid (on rear right roof frame)

- 1 - Antenna connection, blue -T2f-, GPS
- 2 - Antenna connection, yellow -T2e-, ZF/HF2
- 3 - Antenna connection, white -T2d-, HF1
- 4 - Antenna connection, black -T2c-, DAB



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

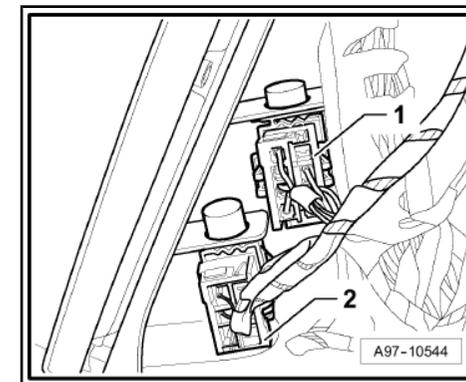


### 1.5 Connector station, left rear lid (Roadster)

Left rear lid (Roadster)

1 - -T8e-, brown

2 - -T6f-, black



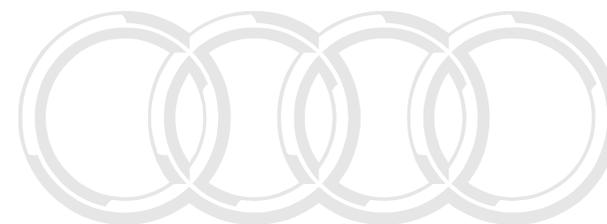
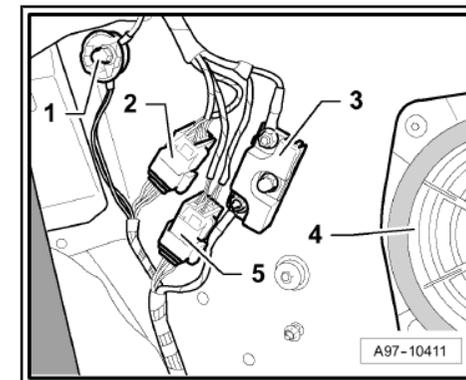
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**1.6 Connector station, left rear lid (behind side panel)**

- 1 - Ground Connection (on left rear side panel) -662-
- 2 - 6-Pin Connector -T6f-, black
- 3 - Windshield Antenna Suppression Filter -C18-
- 4 - Left Rear Mid/Low Range Speaker -R159-
- 5 - 8-Pin Connector -T8e-, brown



Audi

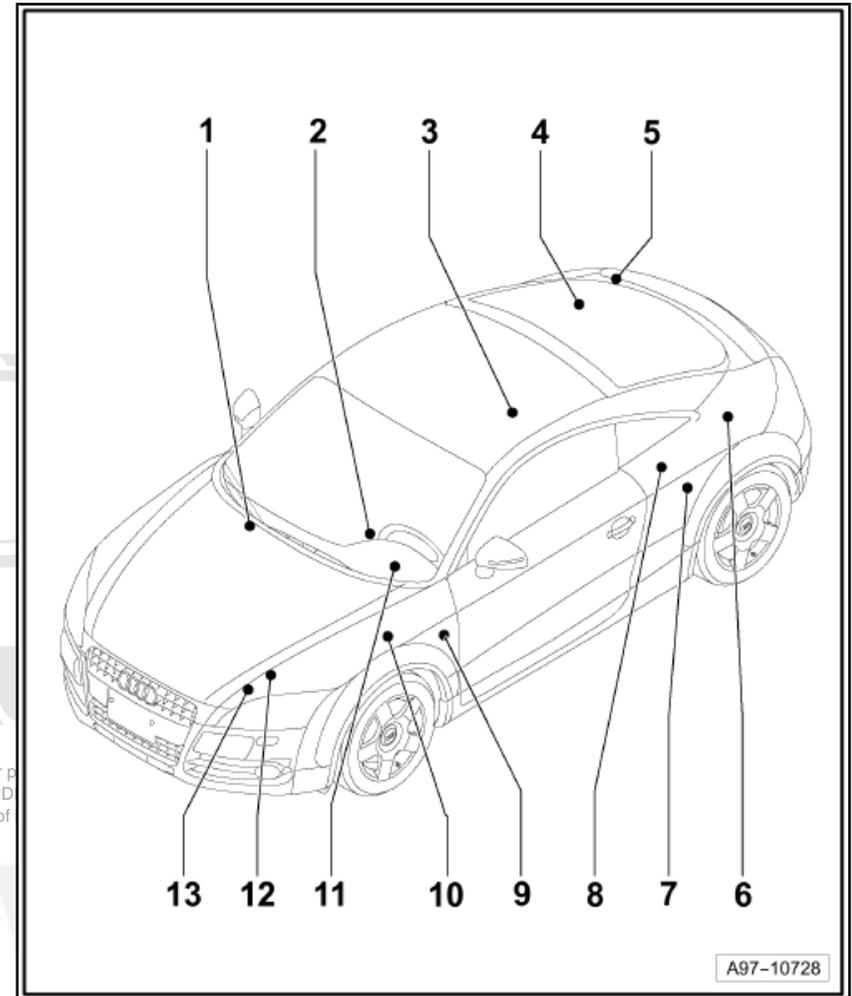
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Ground Connections

## 1.1 Overview of Ground Connections

- 1 - Ground Connection (on right lower A-pillar) -43-
  - ❑ Component Location ⇒ [page 4](#)
- 2 - Airbag Control Module Ground Connection -637-
  - ❑ Component Location ⇒ [page 7](#)
- 3 - Ground Connection (below rear seat bench, right) -40-
  - ❑ Component Location ⇒ [page 3](#)
- 4 - Ground Connection (in luggage compartment, right) -51-
  - ❑ Component Location ⇒ [page 5](#)
- 5 - Ground Connection (in rear lid, right) -53-
  - ❑ Component Location ⇒ [page 6](#)
- 6 - Ground Connection (in luggage compartment, left) -50-
  - ❑ Component Location ⇒ [page 5](#)
- 7 - Ground Connection 2 (in left luggage compartment) (Roadster) -676-
  - ❑ Component Location ⇒ [page 9](#)
- 8 - Ground Connection (on left rear side panel) (Coupé) -662-
  - ❑ Component Location ⇒ [page 7](#)



Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG. We accept no responsibility with respect to the correctness of the information.

**9 - Ground Connection (on left lower A-pillar) -44-**

- Component Location ⇒ [page 4](#)

**10 - Ground Connection (Audio) (under center console, front) -610-**

- Component Location ⇒ [page 6](#)

**11 - Ground Connection (beside steering column) -42-**

- Component Location ⇒ [page 3](#)

**12 - Ground Connection 1 (on left front long member) -671-**

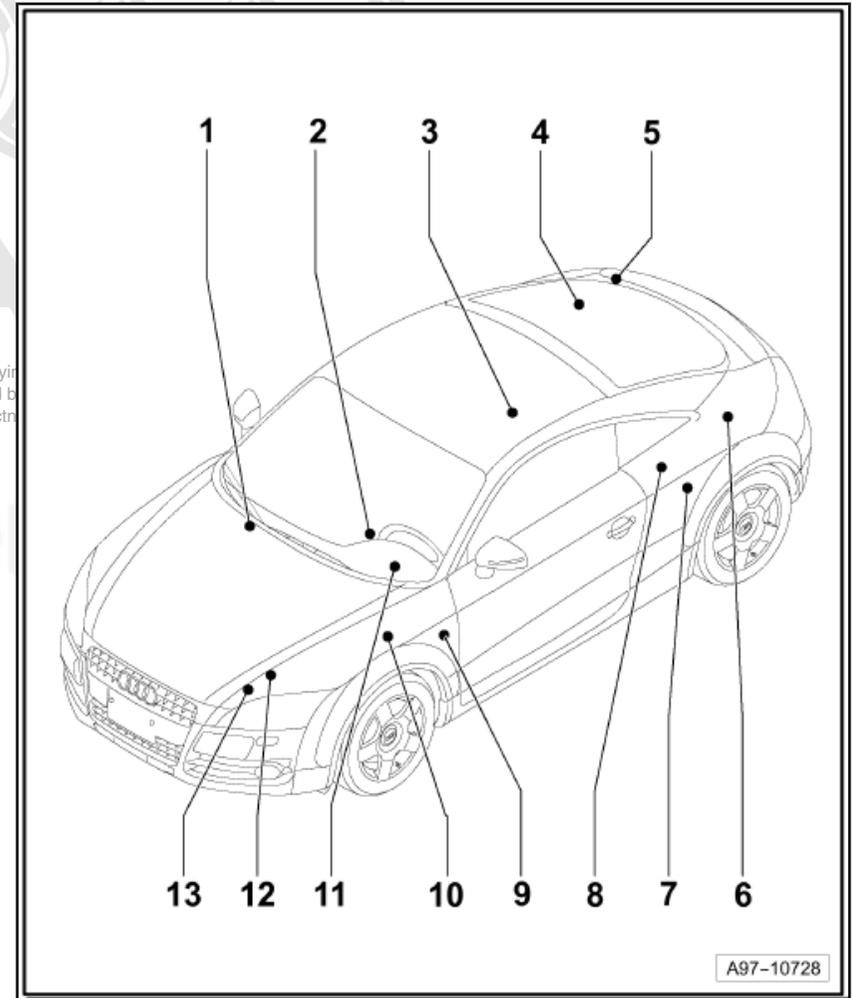
- Component Location ⇒ [page 8](#)

- Ground wire routing, transmission-body ⇒ [page 8](#)

**13 - Ground Connection 2 (on left front long member) -672-**

- Component Location ⇒ [page 8](#)

Protected by copyright. Copying permitted unless authorised by Audi AG with respect to the correctness of the information.

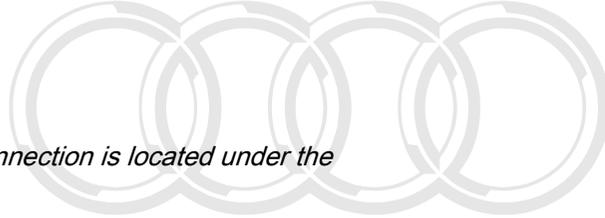


40 - Interior Ground Connection (below rear seat bench, right) - Arrow-

◆ Torque Setting: 9 Nm

 Note

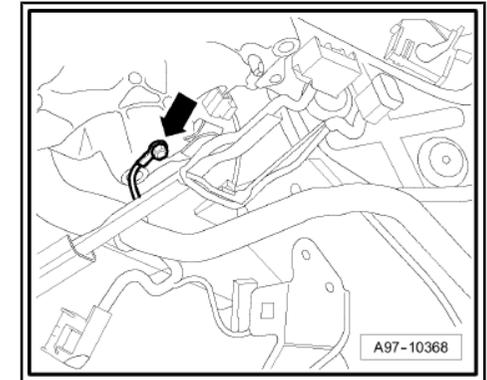
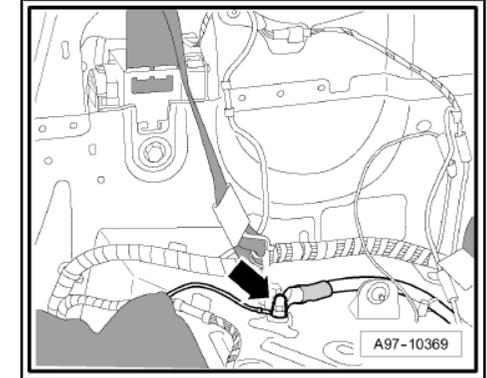
- ◆ Note(s):
- ◆ For Roadster, the ground connection is located under the convertible top box.



42 - Ground Connection (beside steering column) -Arrow-

◆ Torque Setting: 9 Nm

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



43 - Interior Ground Connection (on right lower A-pillar) -Arrow-

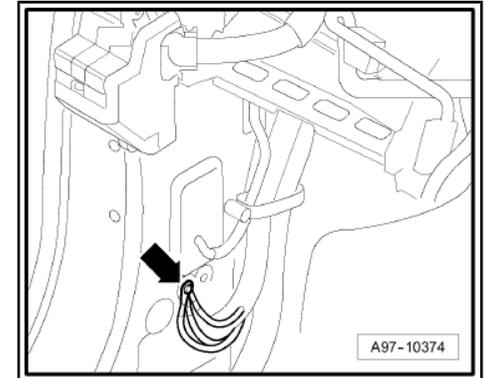
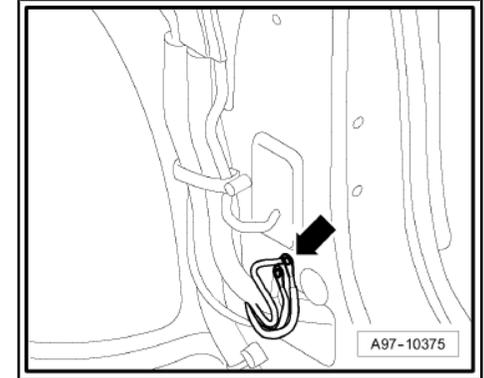
◆ Torque Setting: 9 Nm



Audi

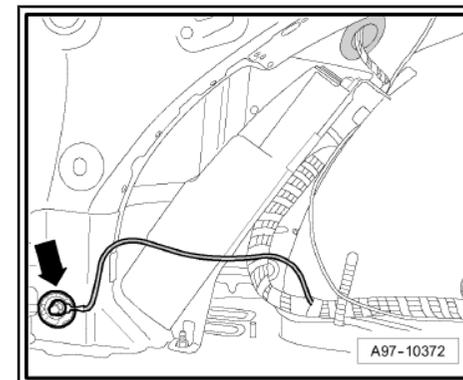
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 



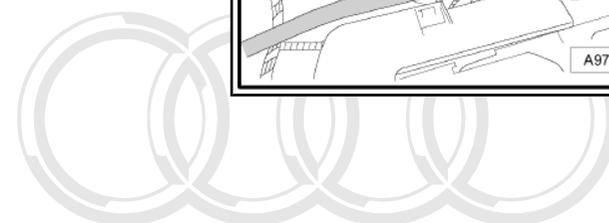
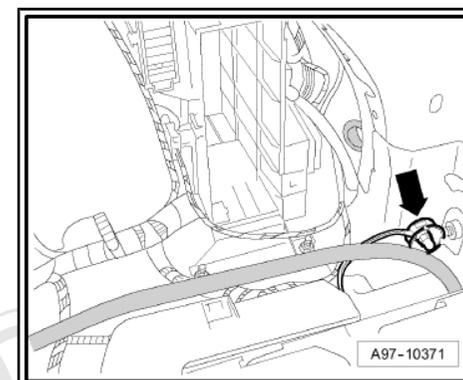
50 - Ground Connection (in luggage compartment, left) -Arrow-

◆ Torque Setting: 9 Nm



51 - Ground Connection (in luggage compartment, right) -Arrow-

◆ Torque Setting: 9 Nm



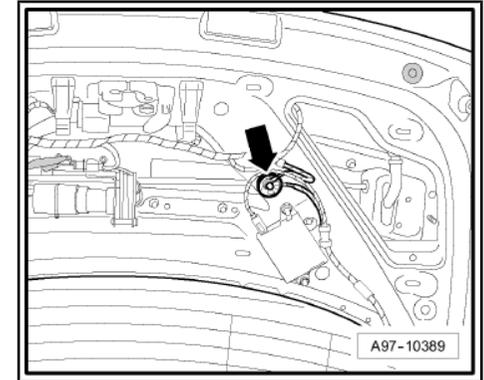
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



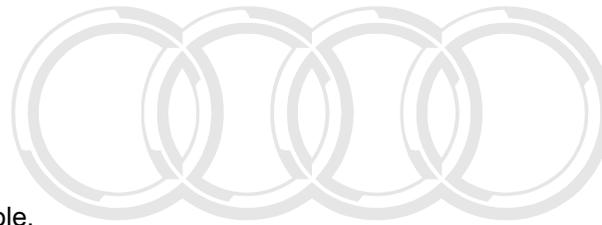
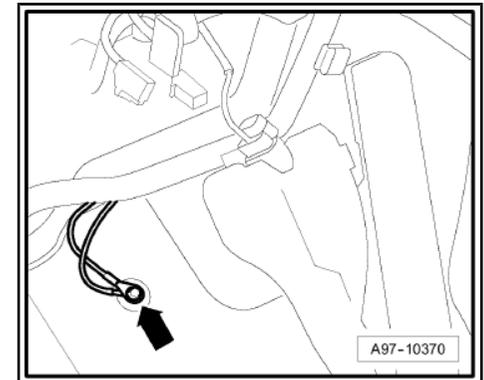
53 - Ground Connection (in rear lid, right) -Arrow-

◆ Torque Setting: 9 Nm



610 - Interior Ground Connection (Audio) (under center console, front) -Arrow-

◆ Torque Setting: 9 Nm



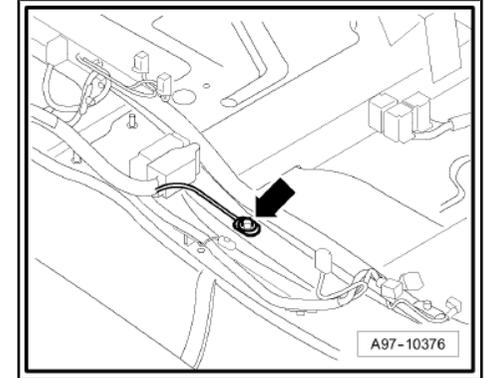
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



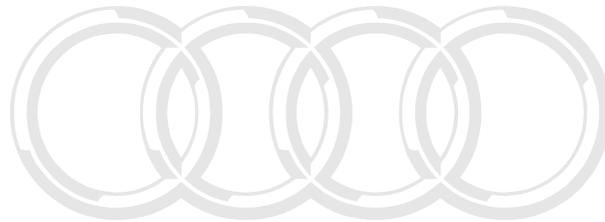
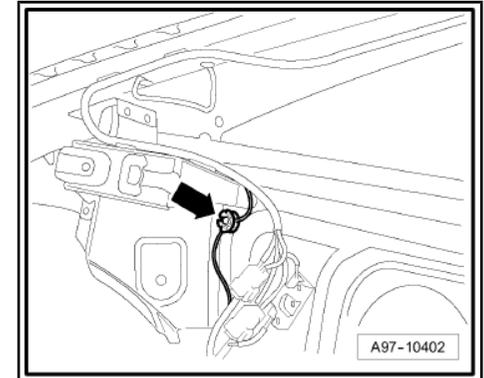
637 - Airbag Control Module Interior Ground Connection -Arrow-

◆ Torque Setting: 9 Nm



662 - Ground Connection (in left rear side panel) (Coupé) -Arrow-

◆ Torque Setting: 9 Nm



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



671 - Engine Compartment Ground Connection 1 (on left front long member) -Arrow 1-

◆ Torque Setting: 20 Nm

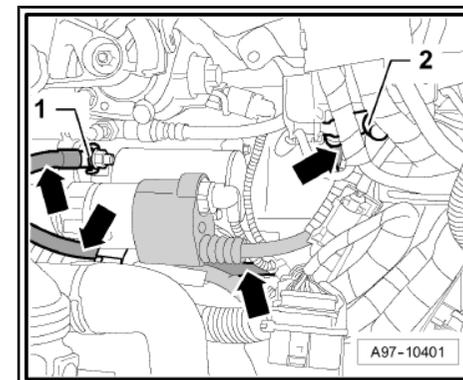
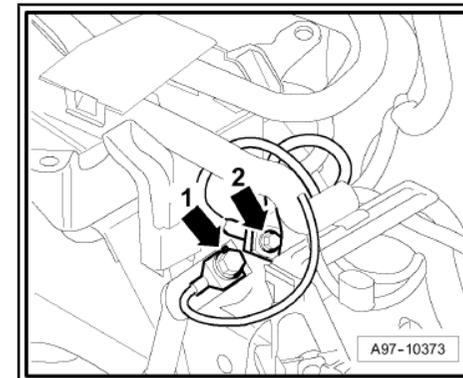
672 - Ground Connection 2 (on left front long member) -Arrow 2-

◆ Torque Setting: 9 Nm

Routing: Ground wire transmission-body -Arrows-

1 - Connector ground connection on transmission -14-

2 - Connector ground connection 1 (on left front long member) -671-

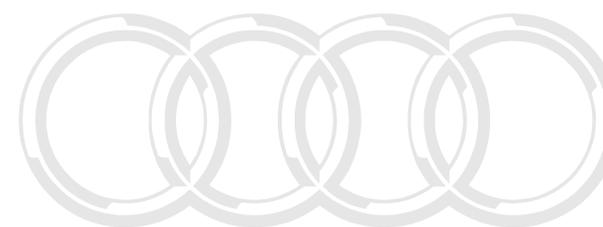
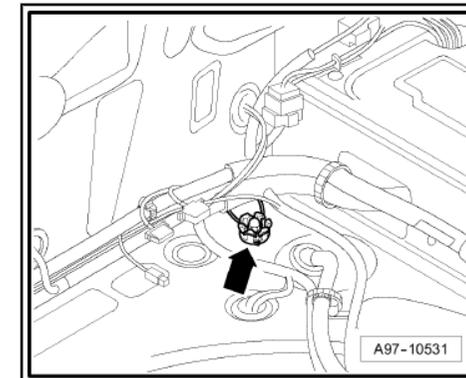


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



676 - Ground Connection 2 (in luggage compartment, left)  
(Roadster) -Arrow-

◆ Torque Setting: 9 Nm



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Control Modules

## 1.1 Overview of Control Modules

### 1 - ABS Control Module -J104-

- Component Location and Pin Arrangements ⇒ [page 3](#)

### 2 - Engine Control Module (ECM) -J623-

- Component Location and Pin Arrangements ⇒ [page 5](#)

### 3 - Front Passenger's Door Control Module -J387-

- Component Location and Pin Arrangements ⇒ [page 14](#)

### 4 - Electronic Damping Control Module -J250-

- Component Location and Pin Arrangements ⇒ [page 19](#)

### 5 - Parking Aid Control Module -J446-

- Component Location and Pin Arrangements ⇒ [page 8](#)

### 6 - Comfort System Central Control Module -J393-

- Component Location and Pin Arrangements ⇒ [page 10](#)
- Not applicable from May 2009

### 7 - Convertible Top Control Module -J256-

- Roadster
- Component Location and Pin Arrangements ⇒ [page 16](#)

### 8 - Digital Sound System Control Module -J525-

- Component Location ⇒ [page 18](#)

### 9 - Driver's Door Control Module -J386-

- Component Location and Pin Arrangements ⇒ [page 12](#)

### 10 - Steering Column Electronic Systems Control Module -J527-

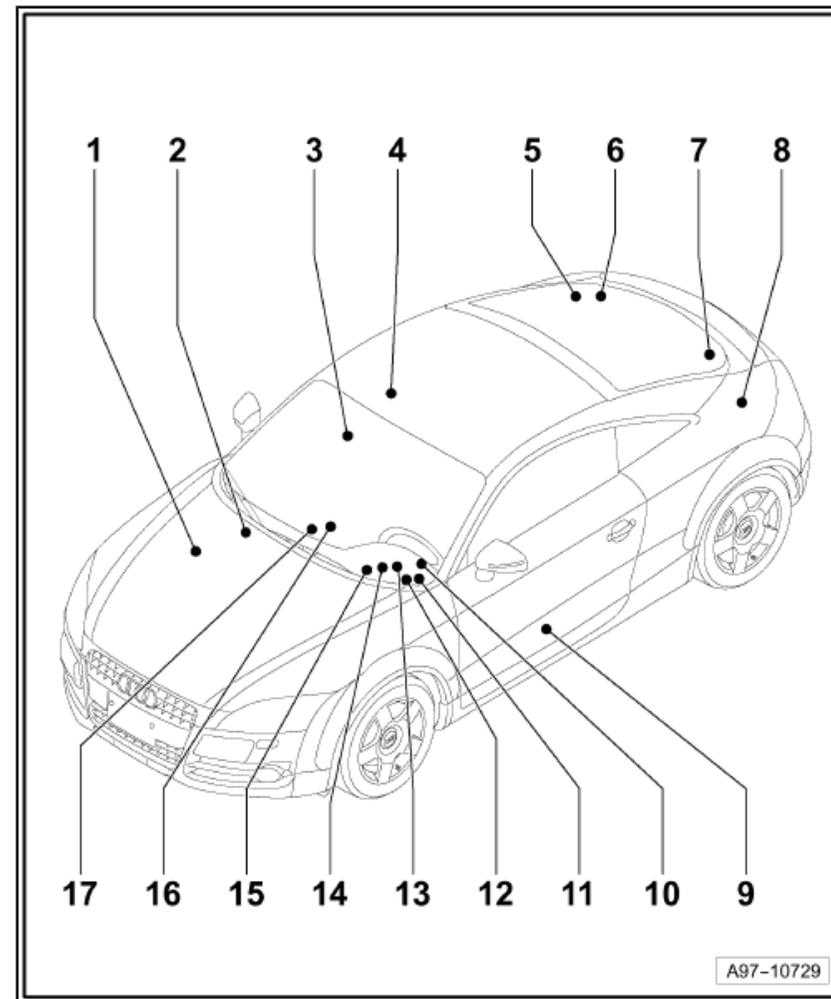
- Component Location and Pin Arrangements ⇒ [page 21](#)

### 11 - Vehicle Electrical System Control Module -J519-

- Component Location and Pin Arrangements, through May 2009 ⇒ [page 22](#)
- Component Location and Pin Arrangements, from June 2009 ⇒ [page 24](#)

### 12 - Tire Pressure Monitoring Control Module 2 -J793-

- Component Location and Pin Arrangements ⇒ [page 36](#)



A97-10729

**13 - Instrument Cluster Control Module -J285-**

- ❑ Component Location and Pin Arrangements ⇒ [page 27](#)

**14 - Headlamp Range Control Module -J431-**

- ❑ Component Location and Pin Arrangements ⇒ [page 31](#)

**15 - Data Bus On Board Diagnostic Interface -J533-**

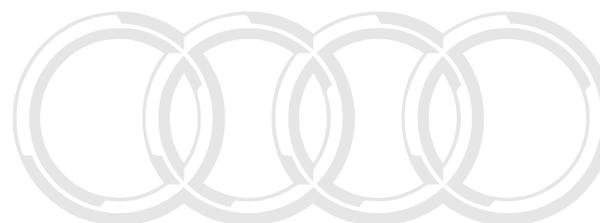
- ❑ Component Location and Pin Arrangements ⇒ [page 29](#)

**16 - Airbag Control Module -J234-**

- ❑ Component Location and Pin Arrangements ⇒ [page 33](#)

**17 - Climatronic Control Module -J255-**

- ❑ Component Location and Pin Arrangements ⇒ [page 38](#)



Audi

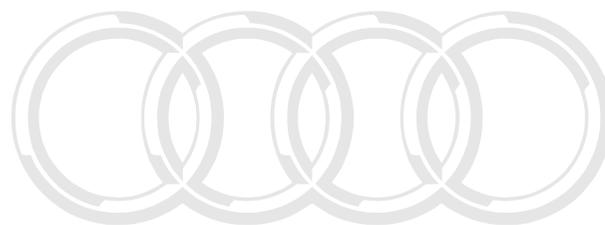
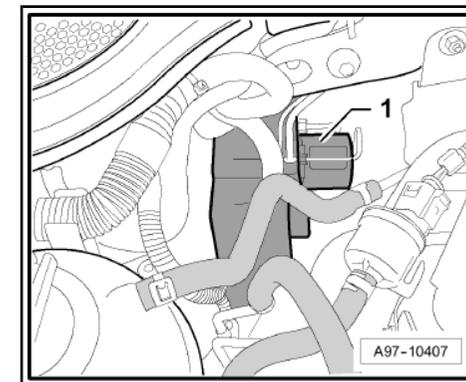
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.2 ABS Control Module -J104-

### Component Location

On firewall right, in engine compartment -1-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 

Pin Arrangements

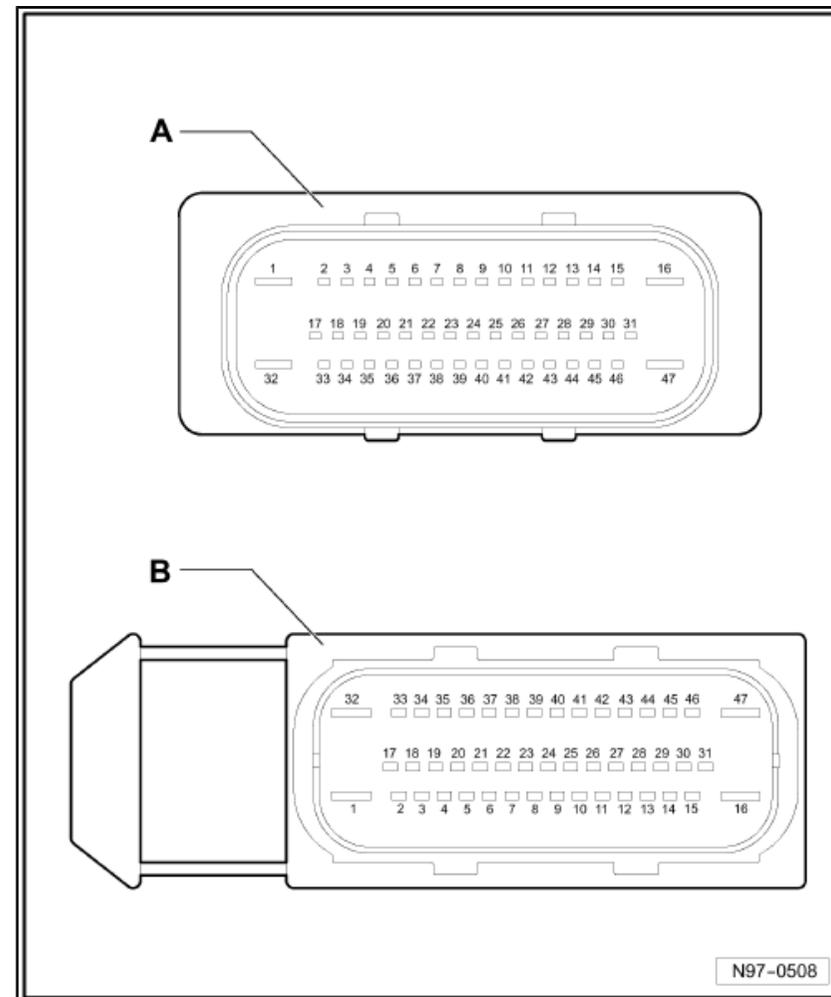
A - ABS Control Module -J104-

B - 47-Pin Connector -T47- , on wiring harness, black

Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

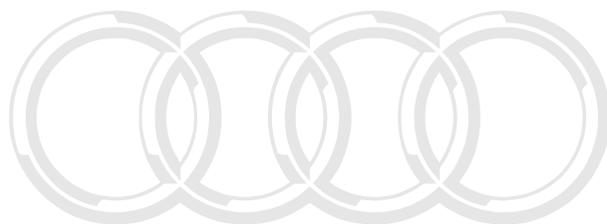
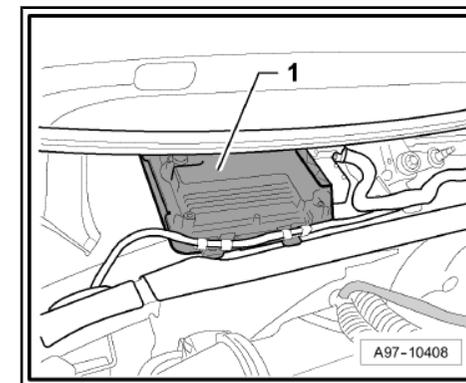
erWin



### 1.3 Engine Control Module (ECM) -J623-

#### Component Location

In plenum chamber -1-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

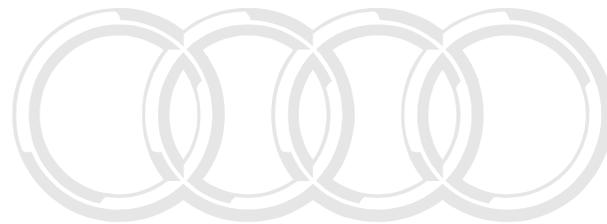


**Pin Arrangements**

**A - Engine Control Module (ECM) -J623-**

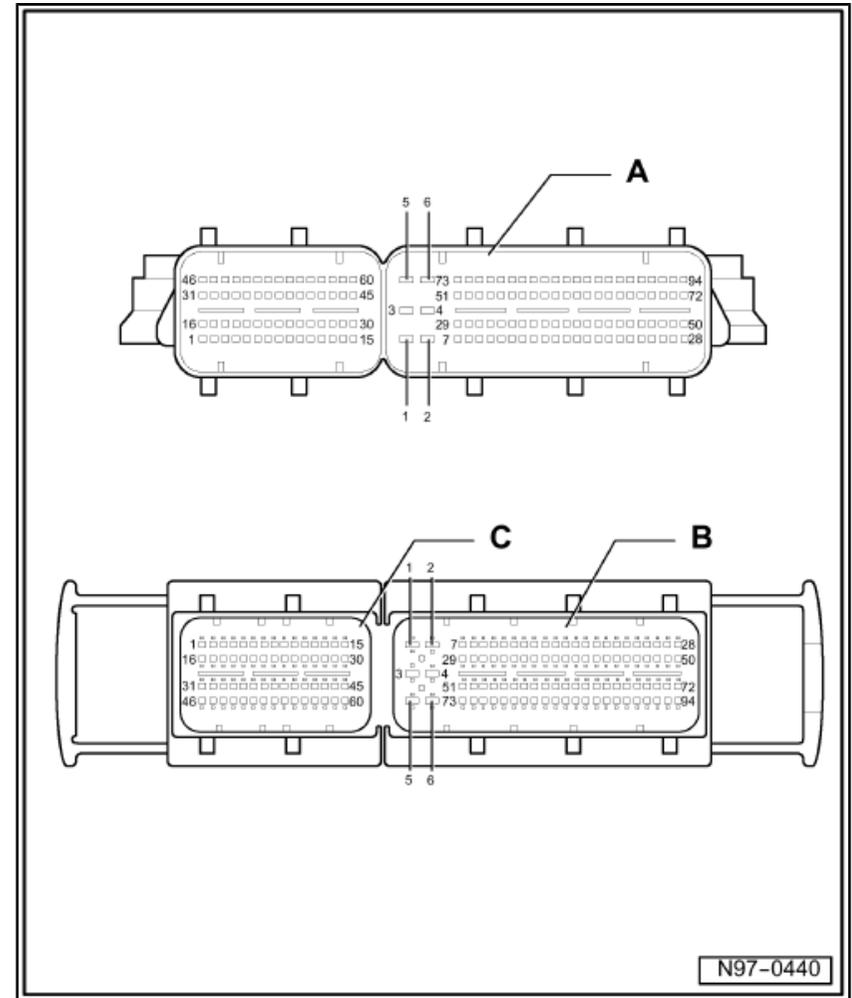
**B - 94-Pin Connector -T94- , on wiring harness**

**C - 60-Pin Connector -T60- , on wiring harness**



**Audi**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



N97-0440

**Pin Arrangements 3.2 L V6**

**A - Engine Control Module (ECM) -J623-**

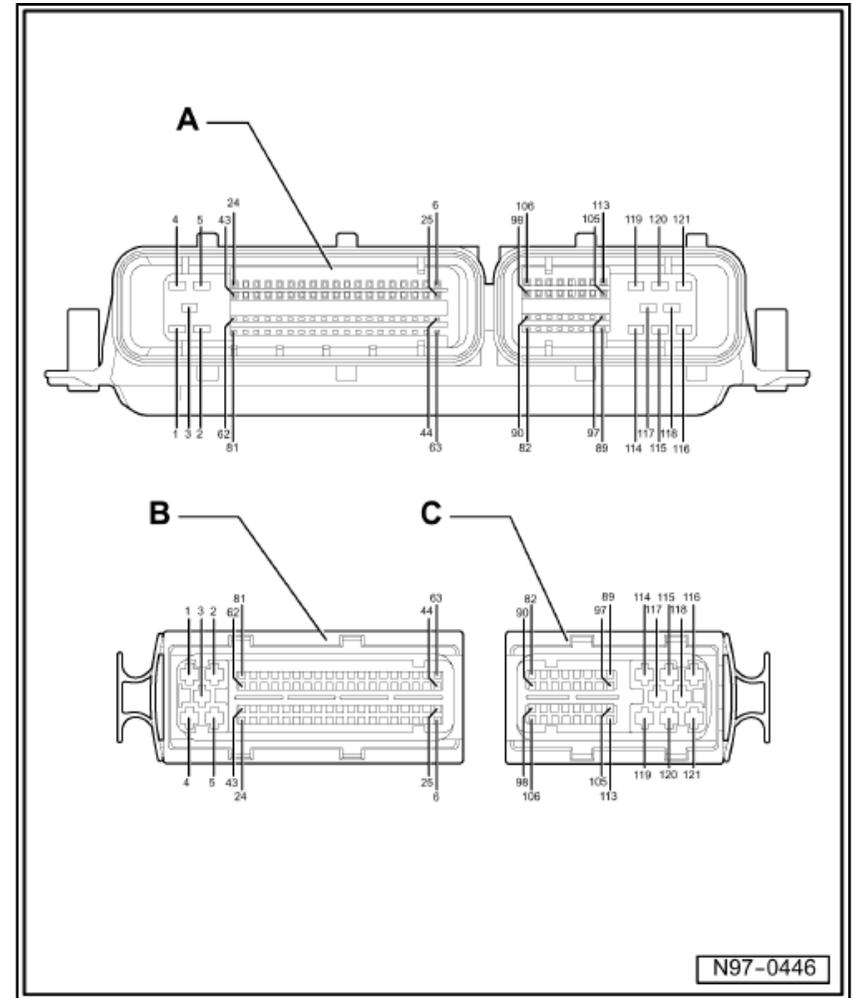
**B - 81-Pin Connector -T81- , on wiring harness**

**C - 40-Pin Connector -T40- , on wiring harness**

**Audi**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**erWin**



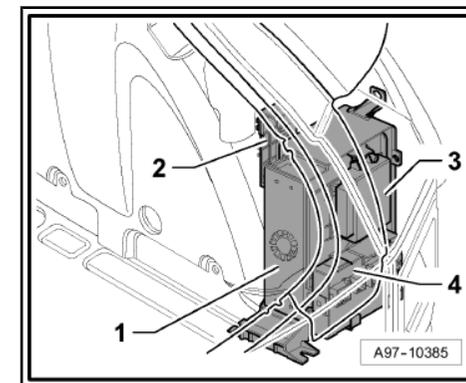
N97-0446

## 1.4 Parking Aid Control Module -J446-

### Component Location

In luggage compartment, right -3-

- 1 - TV Tuner -R78-
- 2 - Fuse panel (right luggage compartment)
- 3 - Parking Aid Control Module -J446-
- 4 - Comfort System Central Control Module -J393- (through May 2009)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

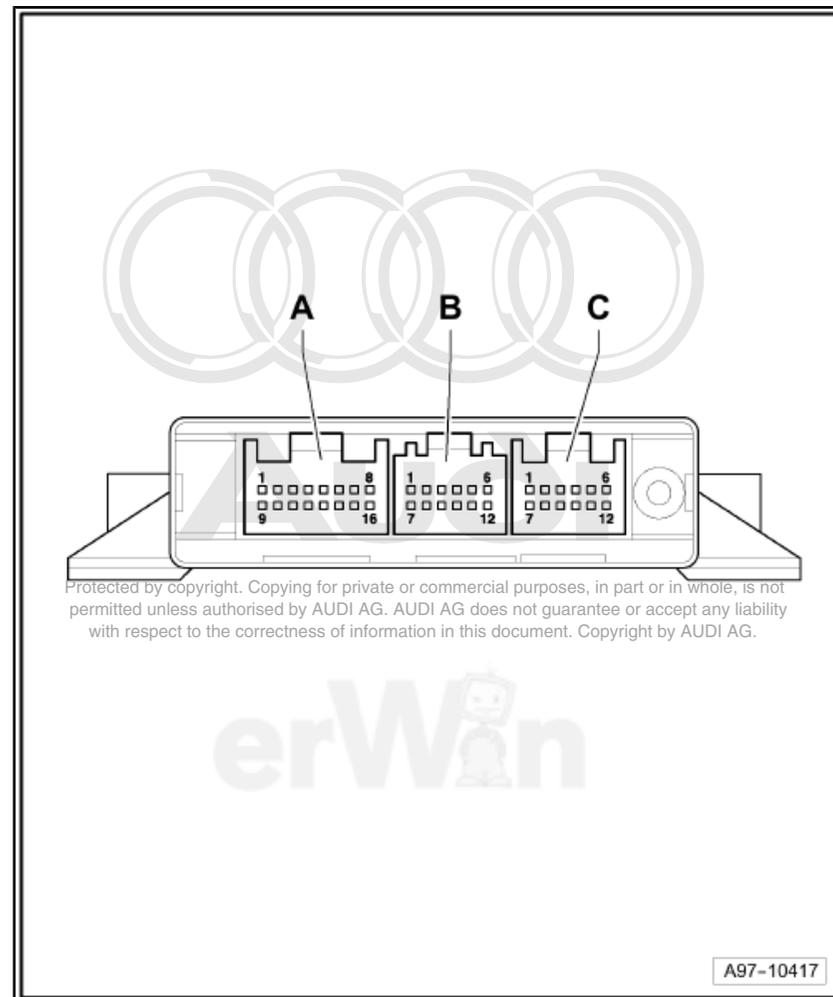


Pin Arrangements

A - 16-Pin Connector -T16e- , brown

B - Not used

C - 12-Pin Connector -T12l- , black

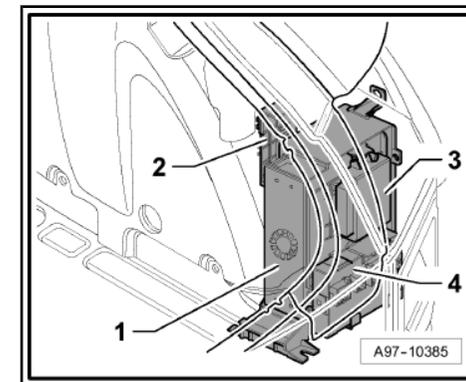


## 1.5 Comfort System Central Control Module -J393- through May 2009

### Component Location

In luggage compartment, right -4-

- 1 - TV Tuner -R78-
- 2 - Fuse panel (right luggage compartment)
- 3 - Parking Aid Control Module -J446-
- 4 - Comfort System Central Control Module -J393-



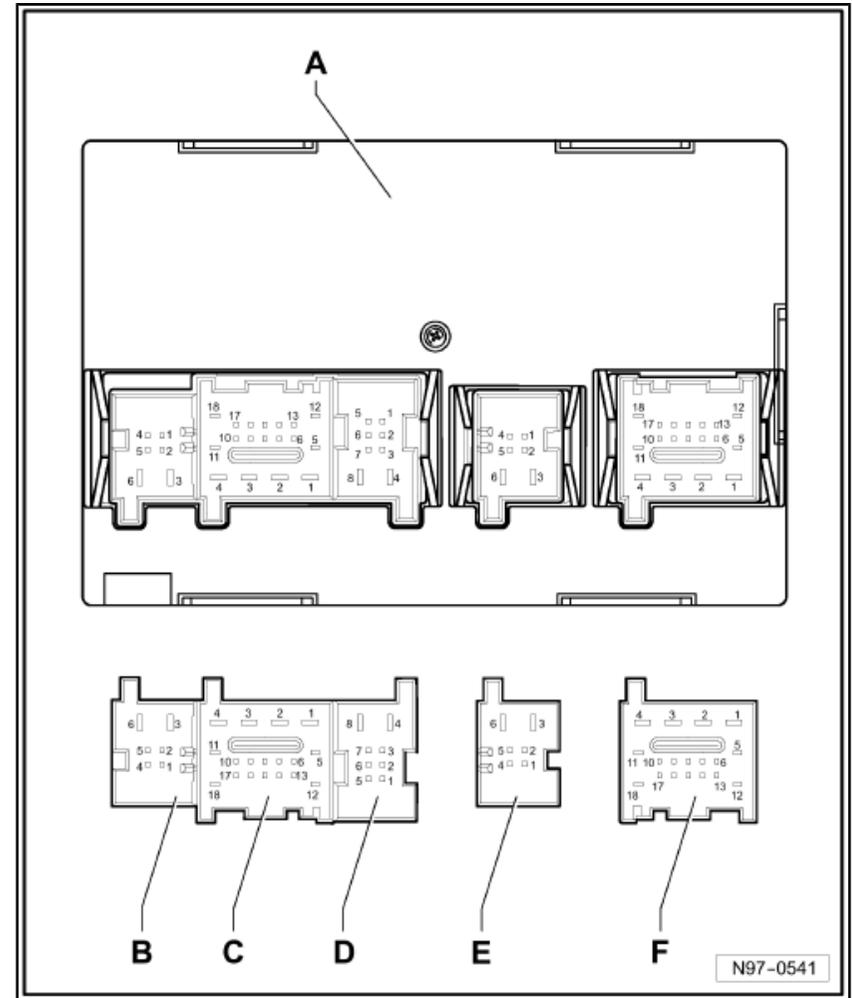
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Pin Arrangements**

- A - Comfort System Central Control Module -J393-**
- B - Not used**
- C - 18-Pin Connector -T18g- , on wiring harness, brown**
- D - 8-Pin Connector -T8g- , on wiring harness, black**
- E - 6-Pin Connector -T6g- , on wiring harness, black**
- F - 18-Pin Connector -T18f- , on wiring harness, black**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.6 Driver's Door Control Module -J386-

### Component Location

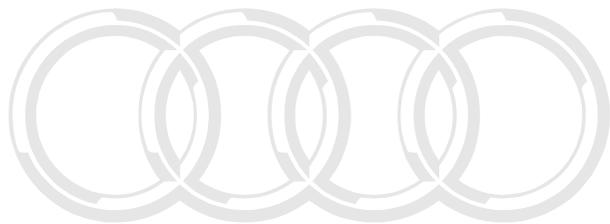
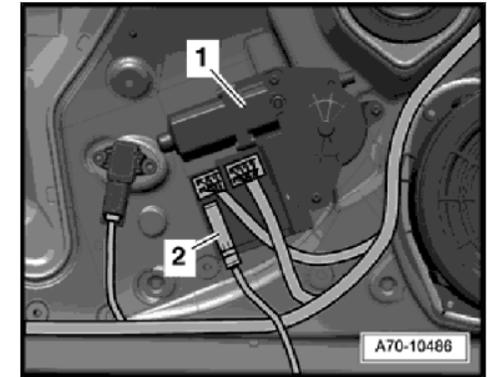
In driver's door

- 1 - Driver's Door Control Module -J386-
- 2 - Pin Connectors



### Note

*Illustration shows the left side.*



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



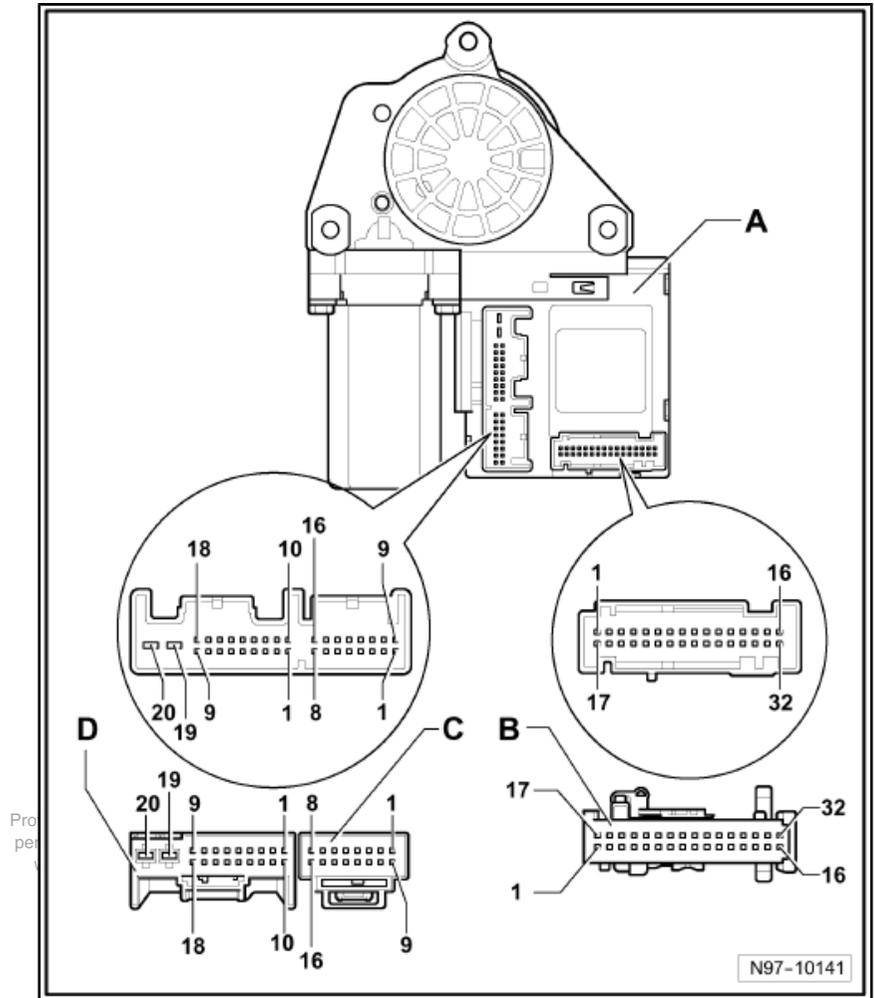
Pin Arrangements

A - Driver's Door Control Module -J386-

B - 32-Pin Connector -T32f- , on wiring harness, grey

C - 16-Pin Connector -T16f- , on wiring harness, black

D - 20-Pin Connector -T20f- , on wiring harness, black



## 1.7 Front Passenger's Door Control Module -J387-

### Component Location

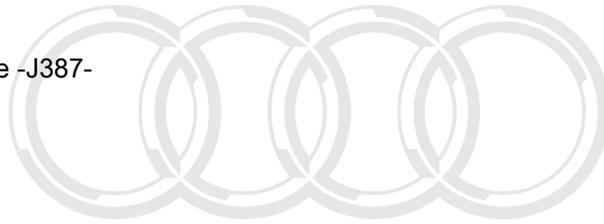
In front passenger's door

- 1 - Front Passenger's Door Control Module -J387-
- 2 - Pin Connectors



### Note

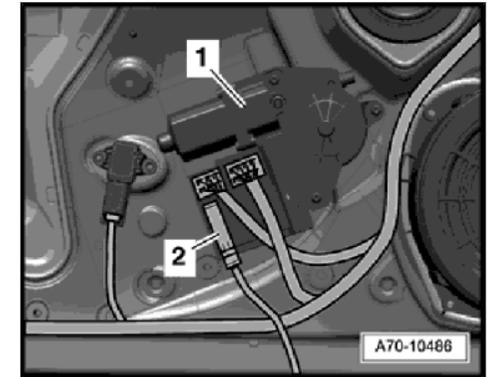
*Illustration shows the left side.*



Audi

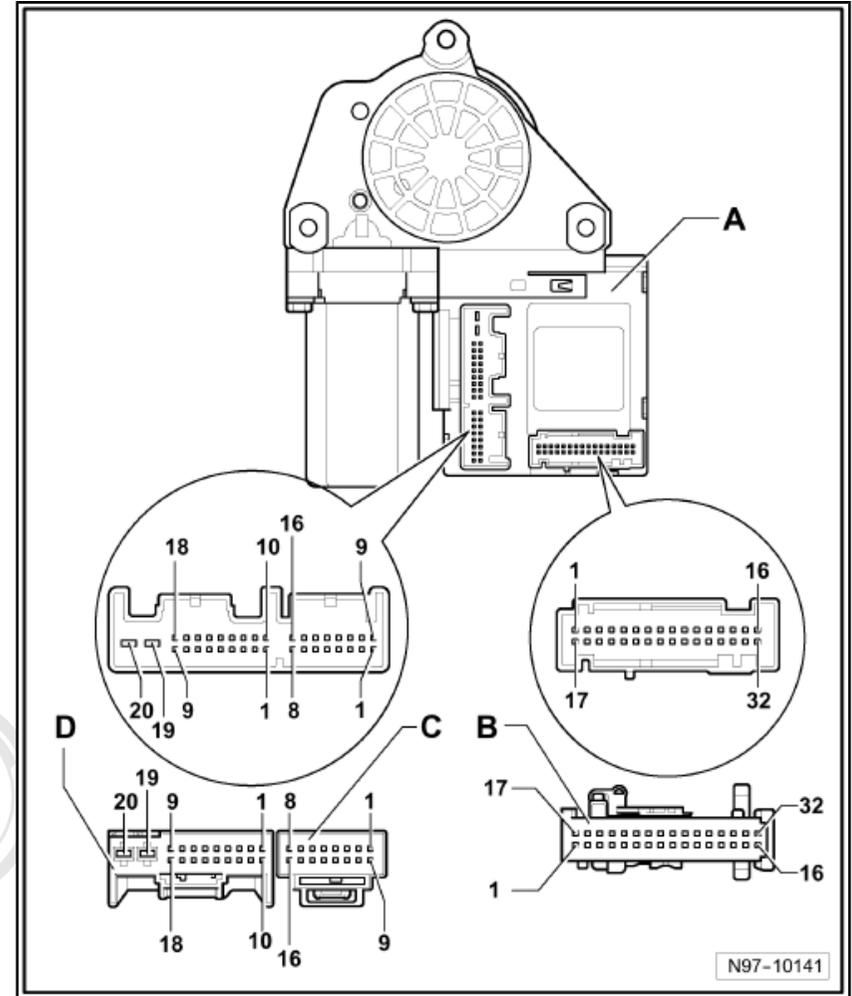
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



Pin Arrangements

- A - Front Passenger's Door Control Module -J387-
- B - 32-Pin Connector -T32g- , on wiring harness, grey
- C - 16-Pin Connector -T16g- , on wiring harness, black
- D - 20-Pin Connector -T20g- , on wiring harness, black



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



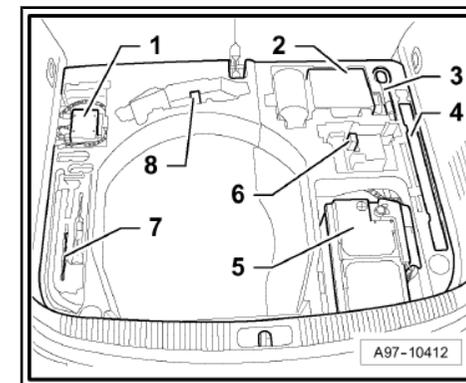
## 1.8 Convertible Top Control Module -J256- (Roadster)

### Component Location

In insert luggage compartment -6-

- 1 - Amplifier for Telephone -R86- (not for USA)
- Satellite Radio -R146- (only USA)
- 2 - Breakdown set
- 3 - Towline anchorage
- 4 - Warning triangle
- 5 - Battery -A-
- 6 - Convertible Top Control Module -J256- (only Roadster)
- 7 - Tools
- 8 - Jack

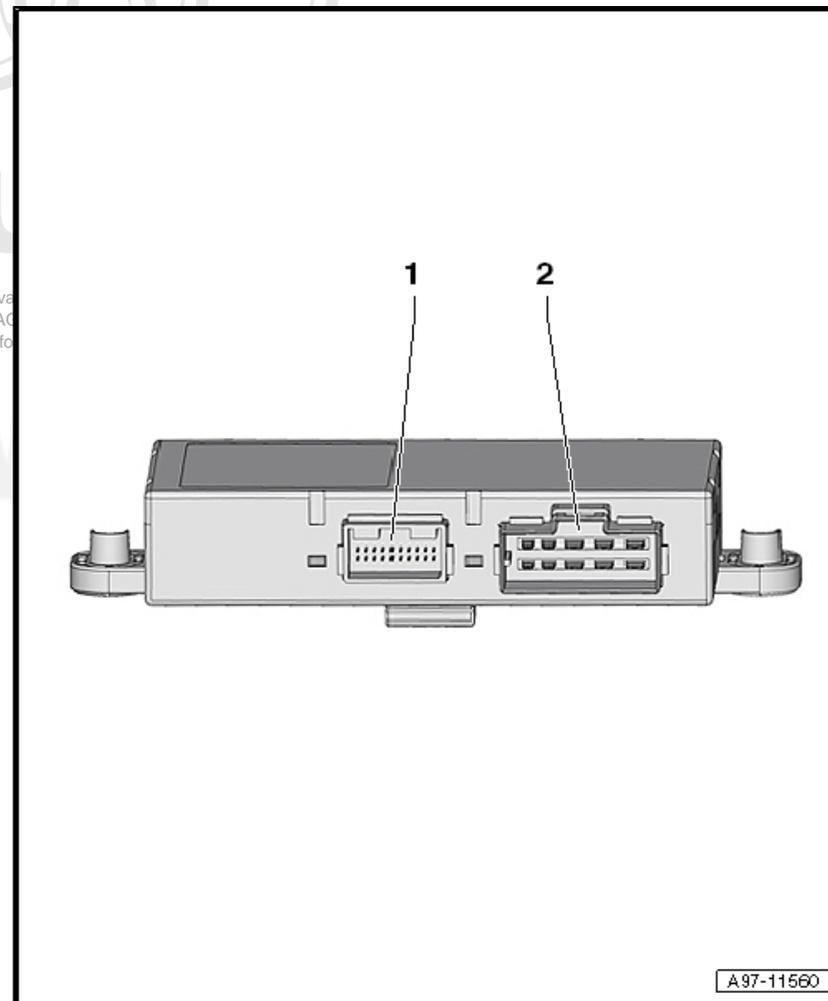
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Pin Arrangements

- 1 - 20-Pin Connector -T20v- , on wiring harness, red
- 2 - 10-Pin Connector -T10v- , on wiring harness, black

Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG. All rights reserved. with respect to the correctness of information.



## 1.9 Digital Sound System Control Module -J525-

### Component Location

In left luggage compartment -1-

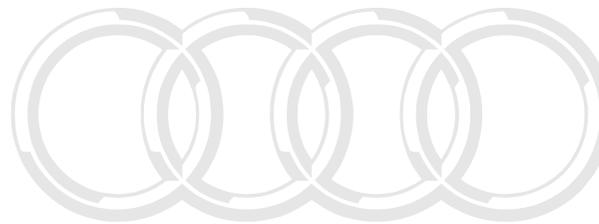
1 - Digital Sound System Control Module -J525-

2 - Satellite Radio -R146- (only USA)

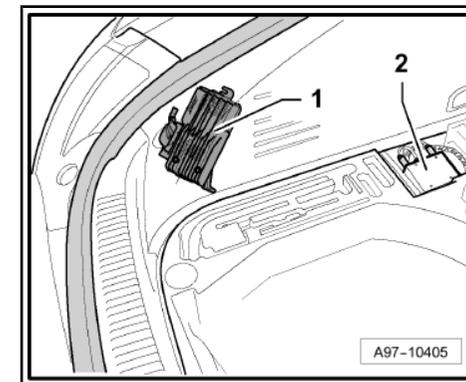
- Amplifier for Telephone -R86- (not for USA)

- Antenna Splitter -R87- (only USA, through October 2006)

Pin Arrangements: Repair Group 91



Audi



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

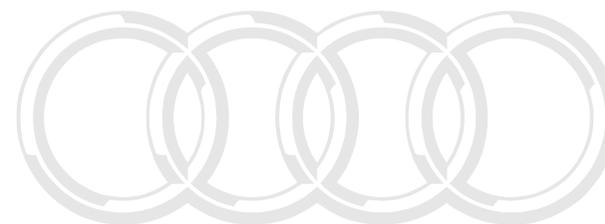
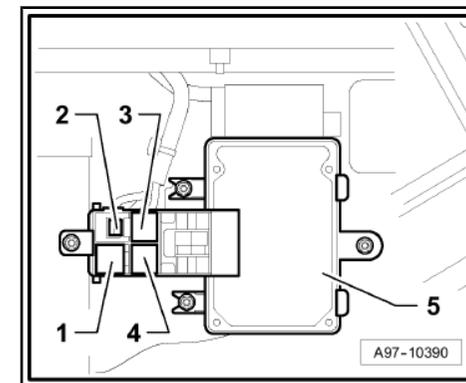
erWin

### 1.10 Electronic Damping Control Module -J250-

#### Component Location

Below front passenger's seat -5-

- 1 - 10-Pin Connector -T10i- , black
- 2 - 3-Pin Connector -T3d- , yellow
- 3 - 6-Pin Connector -T6e- , green
- 4 - 10-Pin Connector -T10g- , red
- 5 - Electronic Damping Control Module -J250-



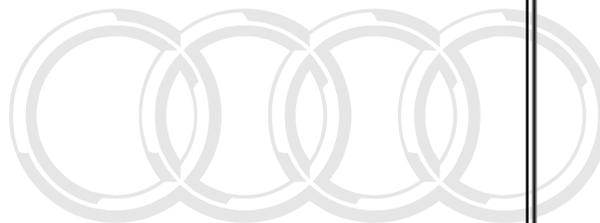
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Pin Arrangements

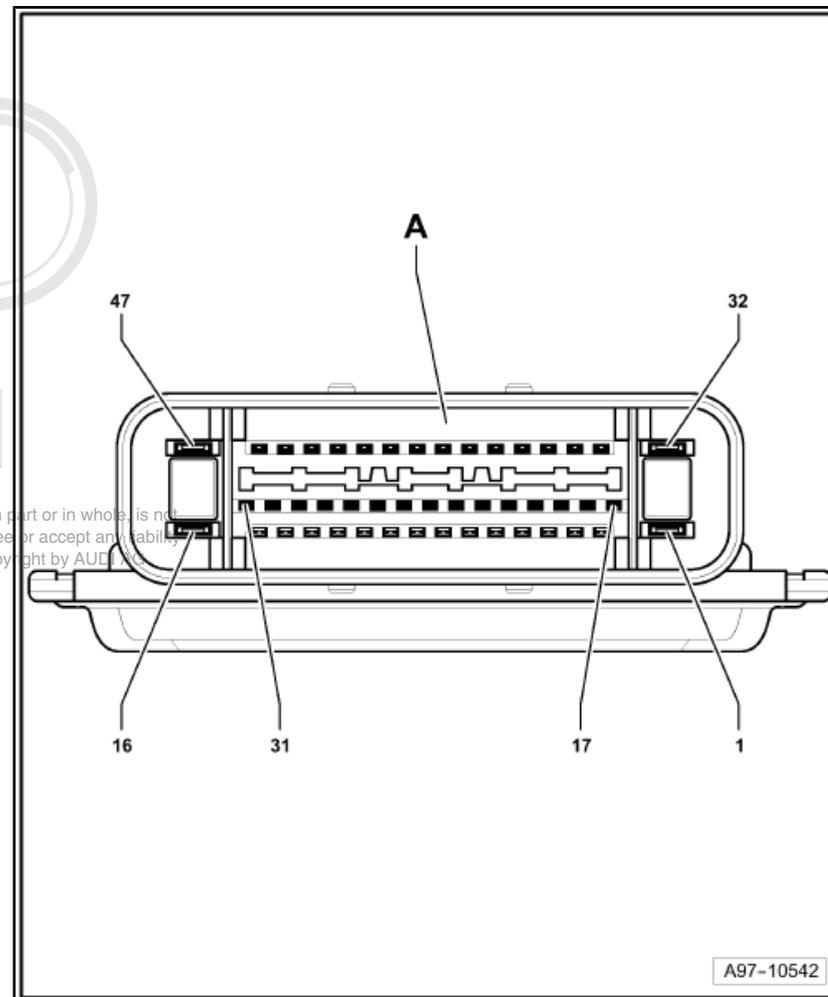
A - 47-Pin Connector -T47- , on wiring harness, black



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



**1.11 Steering Column Electronic Systems Control Module -J527-**

**Component Location**

On steering column on steering column switch

**Pin Connectors**

A - Not used

B - 10-Pin Connector -T10ab-

C - 20-Pin Connector -T20c- , on wiring harness, black

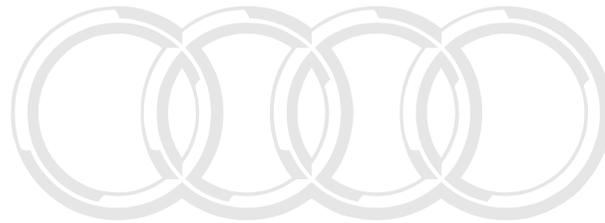
D - 4-Pin Connector -T4d- , on wiring harness, yellow

E - 12-Pin Connector -T12i-

F - 8-Pin Connector -T8f-

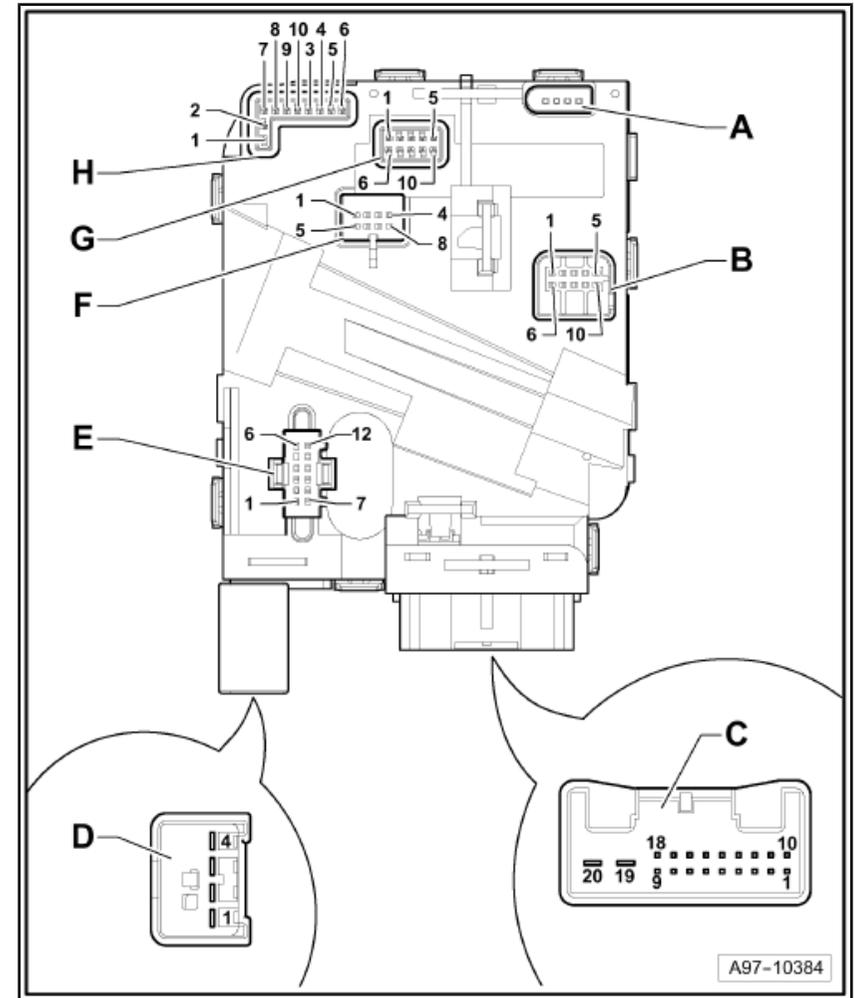
G - 10-Pin Connector -T10ag-

H - 10-Pin Connector -T10ah-



**Audi**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



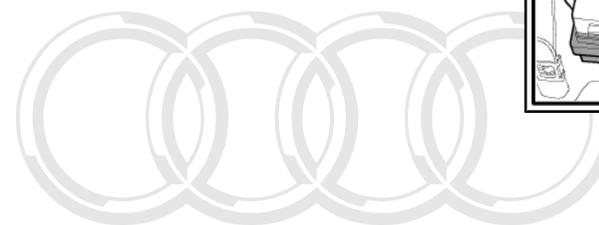
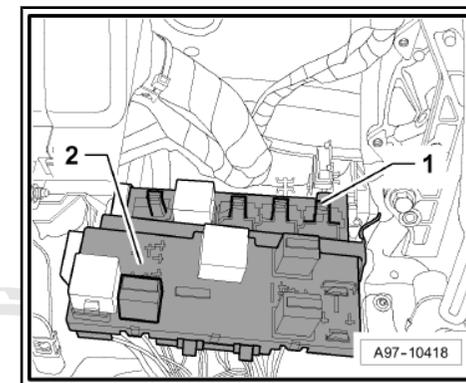
A97-10384

### 1.12 Vehicle Electrical System Control Module -J519- through May 2009

#### Component Location

Behind driver's left stowage compartment, beside steering column -2-

- 1 - Relay carrier behind left instrument panel
- 2 - Vehicle Electrical System Control Module -J519-



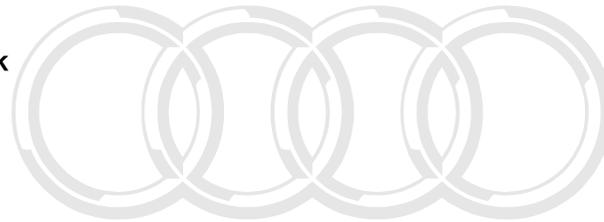
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



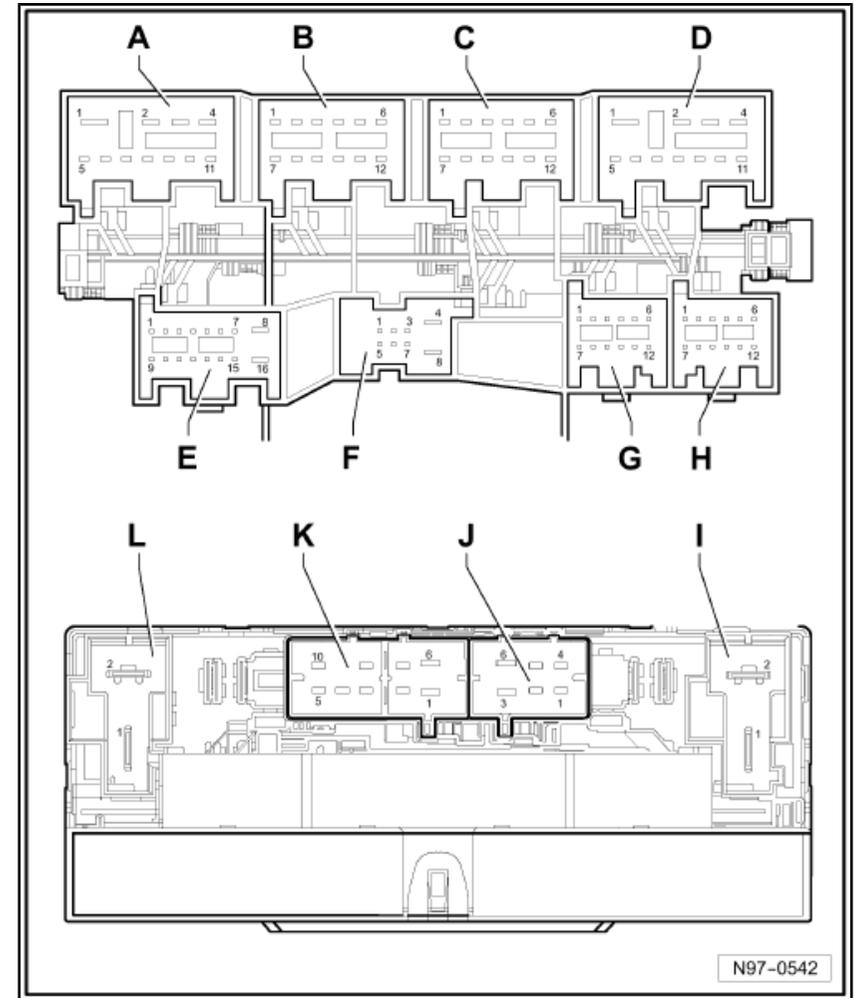
**Pin Arrangements**

- A - 11-Pin Connector -T11b- , black
- B - 12-Pin Connector -T12c- , black
- C - 12-Pin Connector -T12d- , brown
- D - 11-Pin Connector -T11c- , brown
- E - 16-Pin Connector -T16a- , black
- F - 8-Pin Connector -T8h- , black
- G - 12-Pin Connector -T12e- , black
- H - Not used
- I - Not used
- J - 6-Pin Connector -T6h- , black
- K - 10-Pin Connector -T10d- , black
- L - Double Connector -T2t- , black



**Audi**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

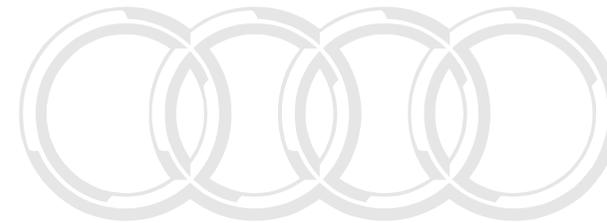
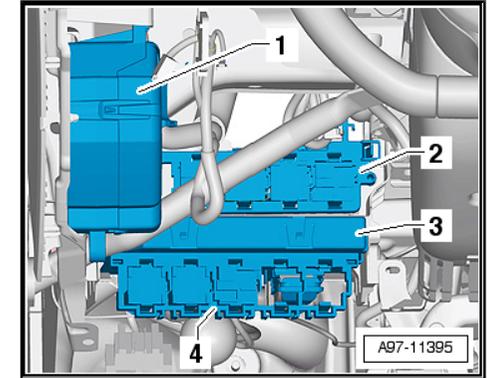


### 1.13 Vehicle Electrical System Control Module -J519- from June 2009

Component Location, left-hand drive -3-

Behind driver's stowage compartment -3-

- 1 - Fuse Panel C
- 2 - Relay carrier behind instrument panel
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519-



Audi

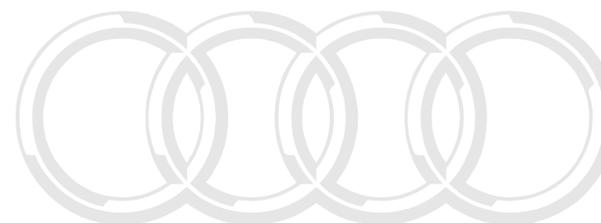
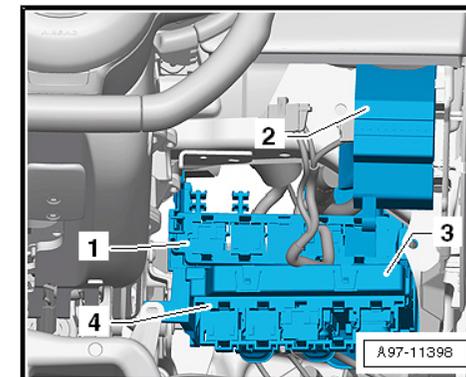
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Component Location, right-hand drive**

Behind driver's stowage compartment -3-

- 1 - Relay carrier behind instrument panel
- 2 - Fuse Panel C
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519-



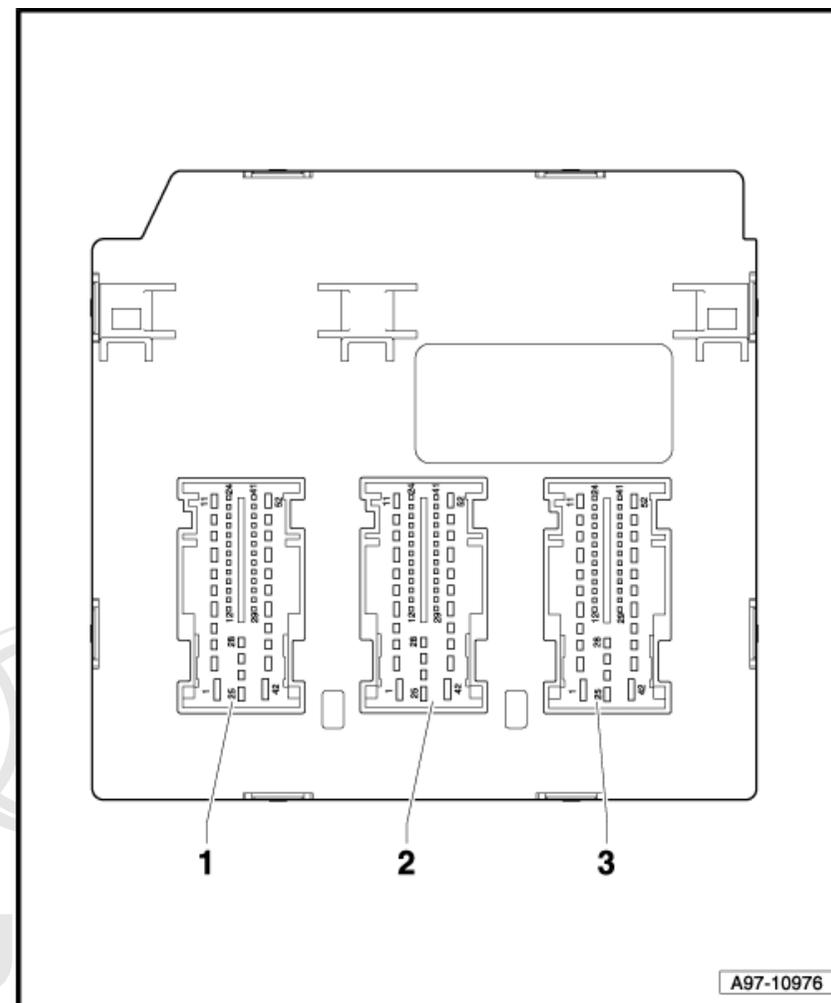
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Pin Arrangements

- 1 - 52-Pin Connector -T52a- , on wiring harness, black
- 2 - 52-Pin Connector -T52b- , on wiring harness, yellow
- 3 - 52-Pin Connector -T52c- , on wiring harness, brown



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

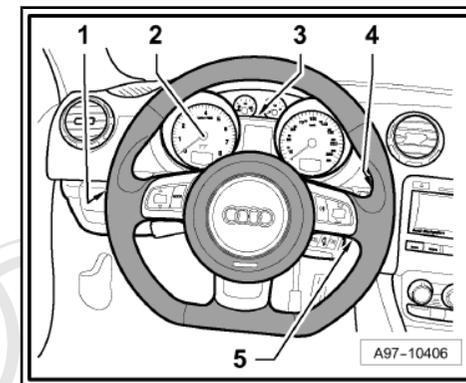


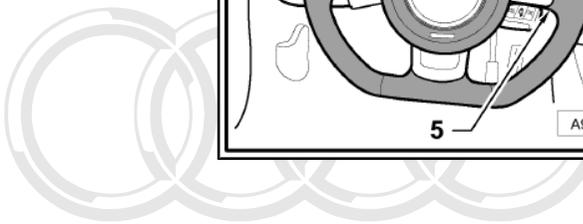
### 1.14 Instrument Cluster Control Module -J285-

#### Component Location

In instrument cluster -2-

- 1 - Vehicle Electrical System Control Module -J519-
- 1 - Relay carrier behind instrument panel
- 2 - Instrument Cluster Control Module -J285-
- 3 - Tire Pressure Monitoring Control Module 2 -J793-
- 4 - Headlamp Range Control Module -J431-
- 5 - Data Bus On Board Diagnostic Interface -J533-



  
Audi

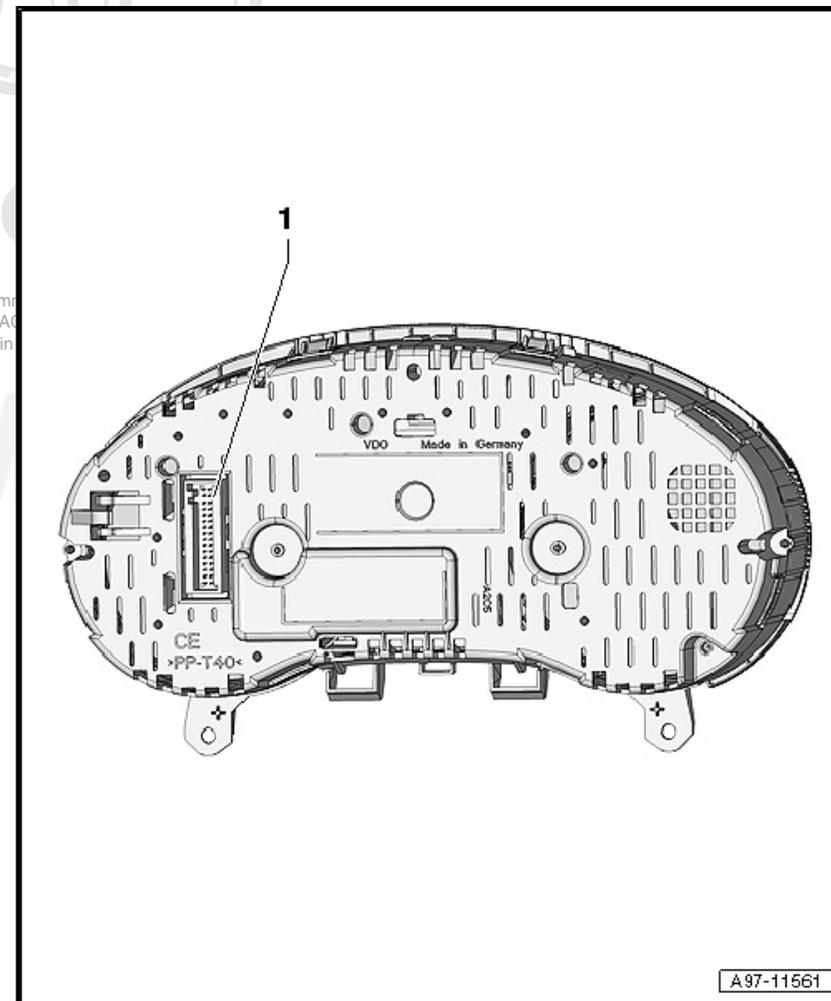
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin

Pin Arrangements

1 - 32-Pin Connector -T32- , on wiring harness, blue

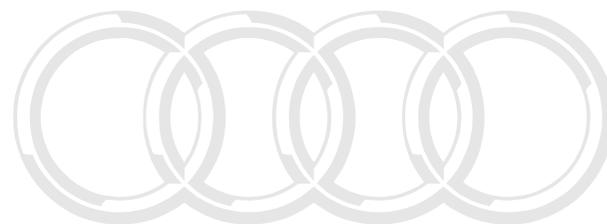
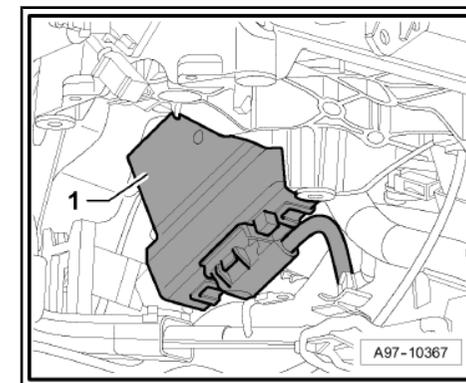
Protected by copyright. Copying for private or commercial use is not permitted unless authorised by AUDI AG. AUDI AG assumes no liability with respect to the correctness of information in this document.



### 1.15 Data Bus On Board Diagnostic Interface -J533-

#### Component Location

Behind driver's lower stowage compartment, beside steering column -1-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



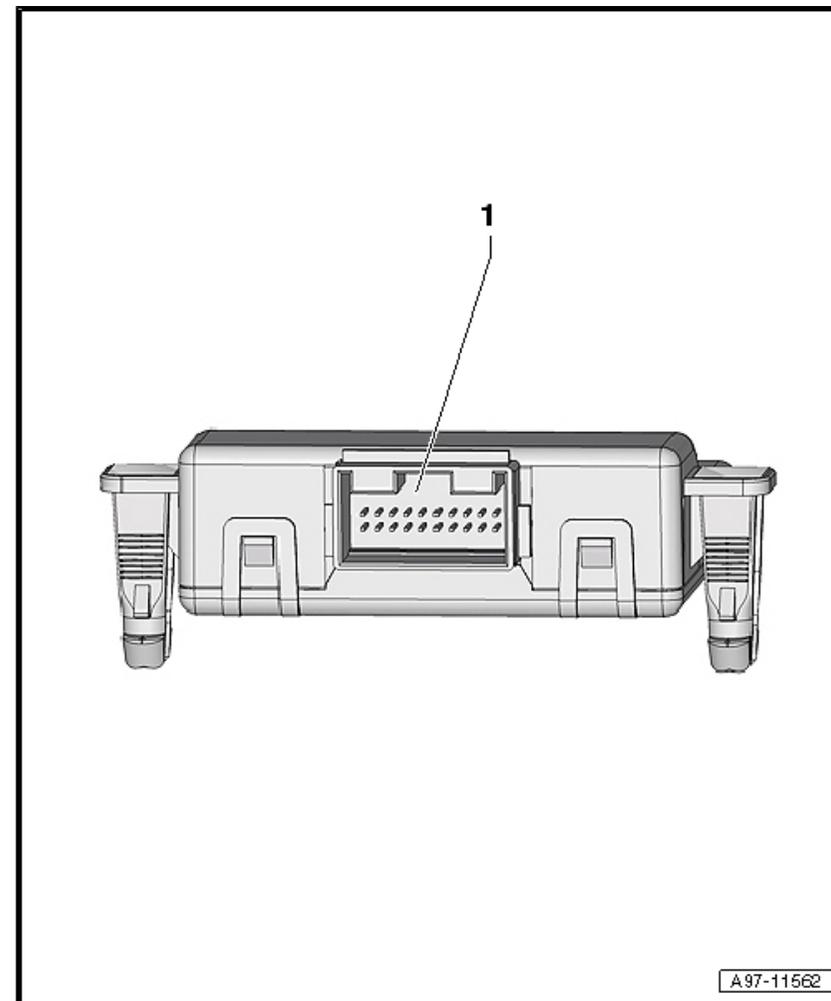
Pin Arrangements

1 - 20-Pin Connector -T20d- , on wiring harness, black

  
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 

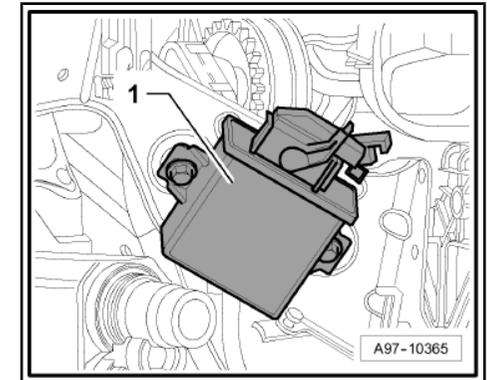


A97-11562

### 1.16 Headlamp Range Control Module -J431-

#### Component Location

Behind driver's right stowage compartment, beside steering column -1-



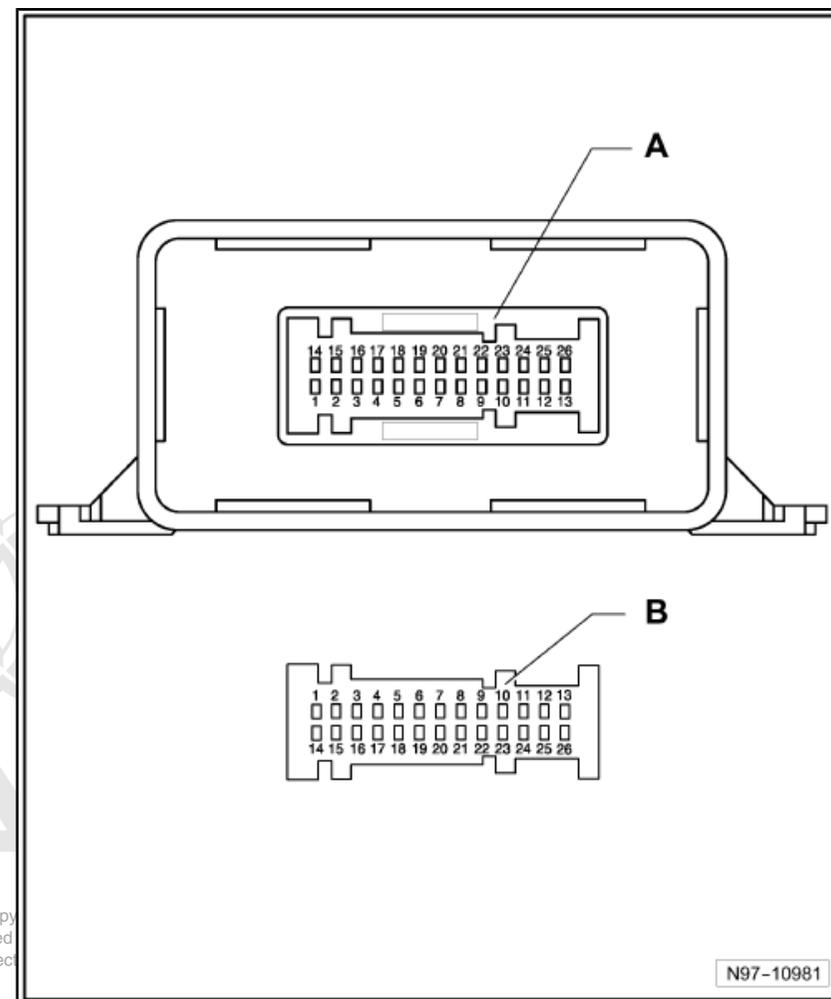
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Pin Arrangements

A - Headlamp Range Control Module -J431-

B - 26-Pin Connector -T26a- , on wiring harness, black



Protected by copyright. Copy permitted unless authorised with respect to the correct

N97-10981

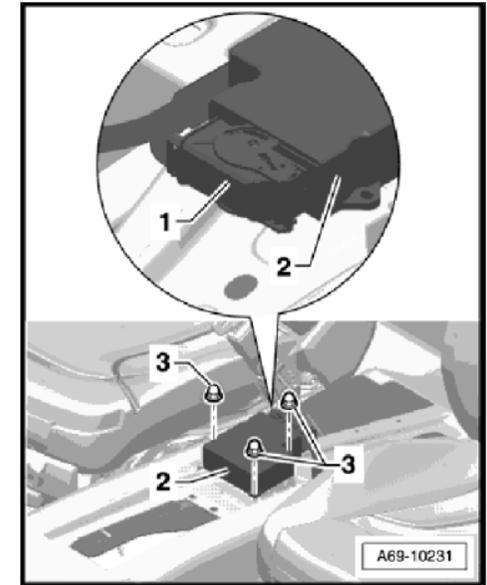
erWin

### 1.17 Airbag Control Module -J234-

#### Component Location

Below center console -2-

- 1 - 75-Pin Connector -T75-
- 2 - Airbag Control Module -J234-
- 3 - Nut



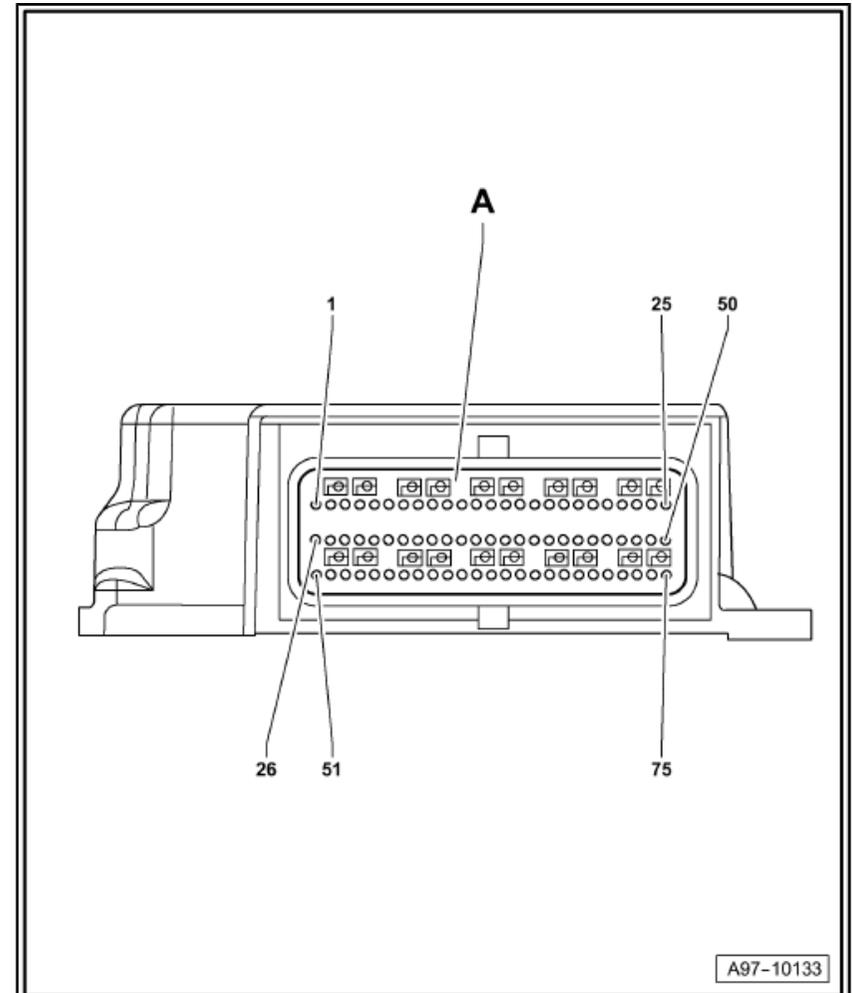
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Pin Arrangements

A - 75-Pin Connector -T75- , on wiring harness, yellow



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



1.18 Fuel Pump (FP) Control Module -J538-

A - Fuel Pump (FP) Control Module -J538-

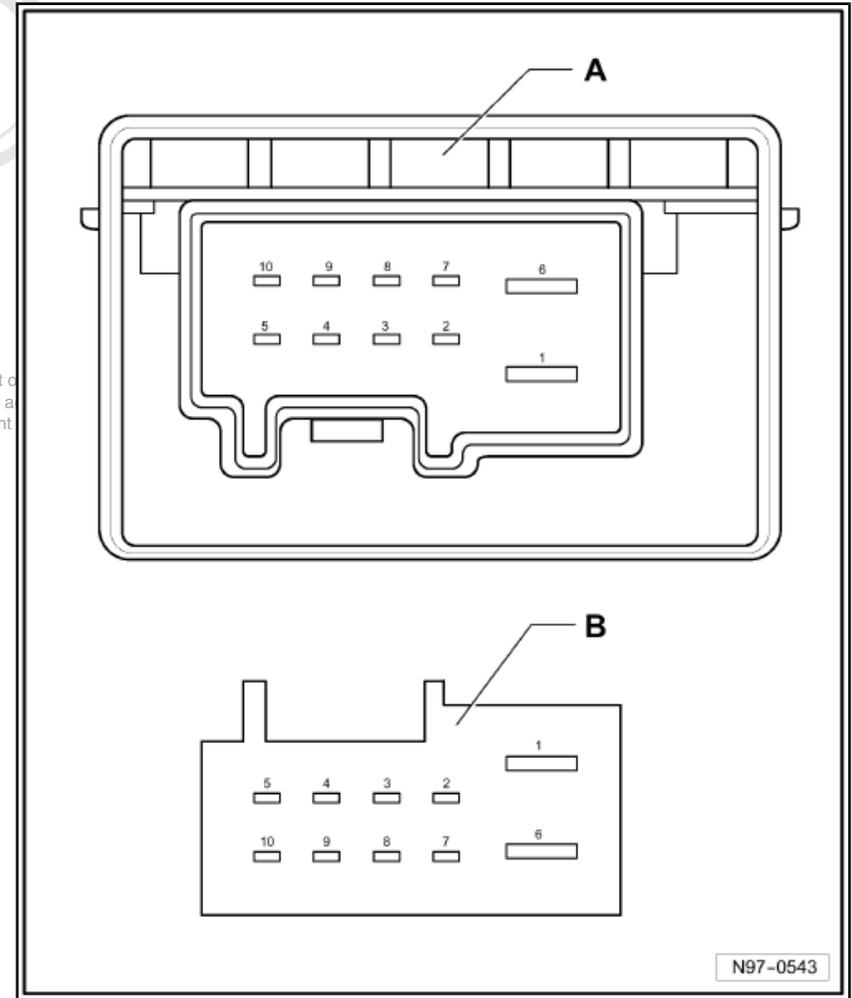
B - 10-Pin Connector -T10k- , on wiring harness, black

Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © 2004 Audi AG



Audi

erWin



N97-0543

1.19 Tire Pressure Monitoring Control Module 2 -J793-

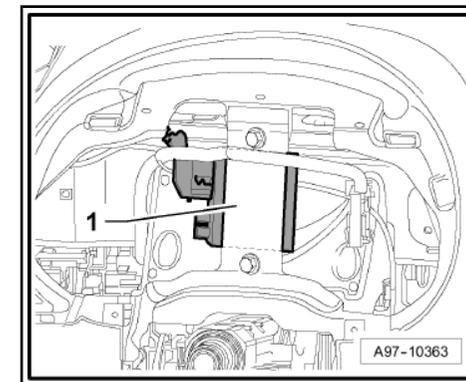
Component Location

Behind instrument cluster -1-

Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

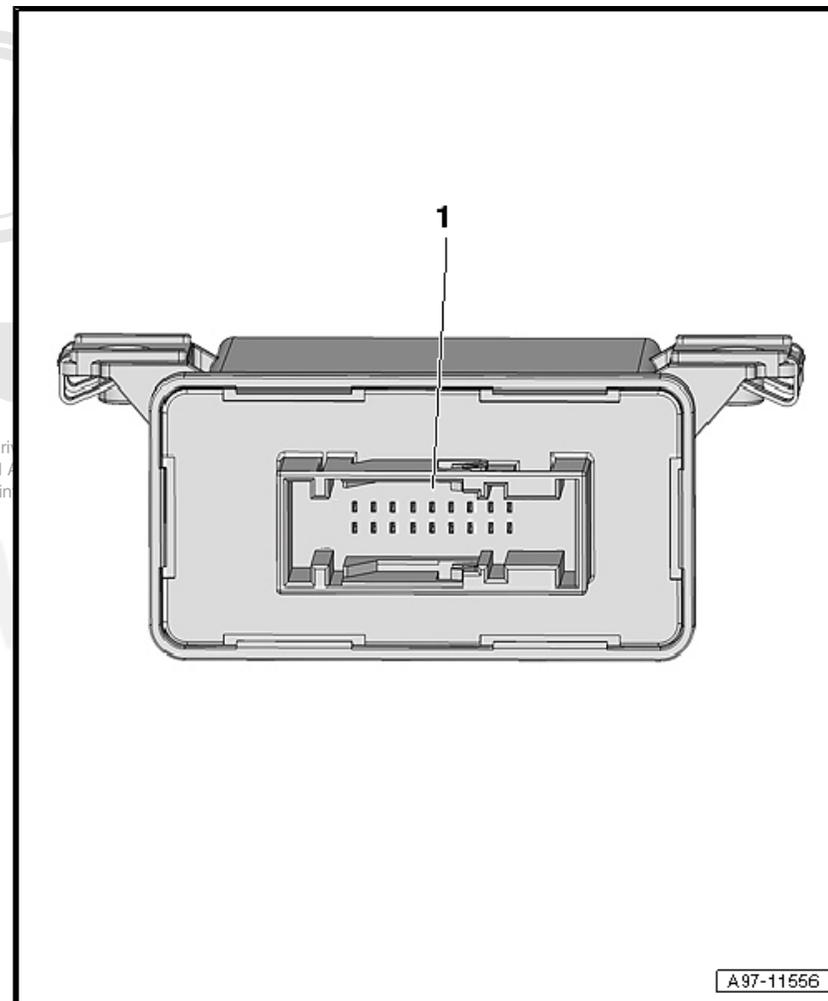
erWin



Pin Arrangements

1 - 18-Pin Connector -T18c-

Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG. All rights reserved. with respect to the correctness of information.



A97-11566

## 1.20 Climatronic Control Module -J255-

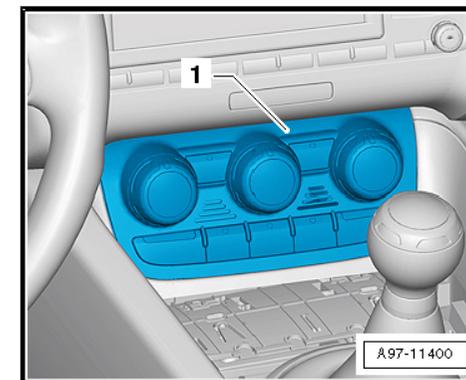
### Component Location

in front center console -1-

Audi

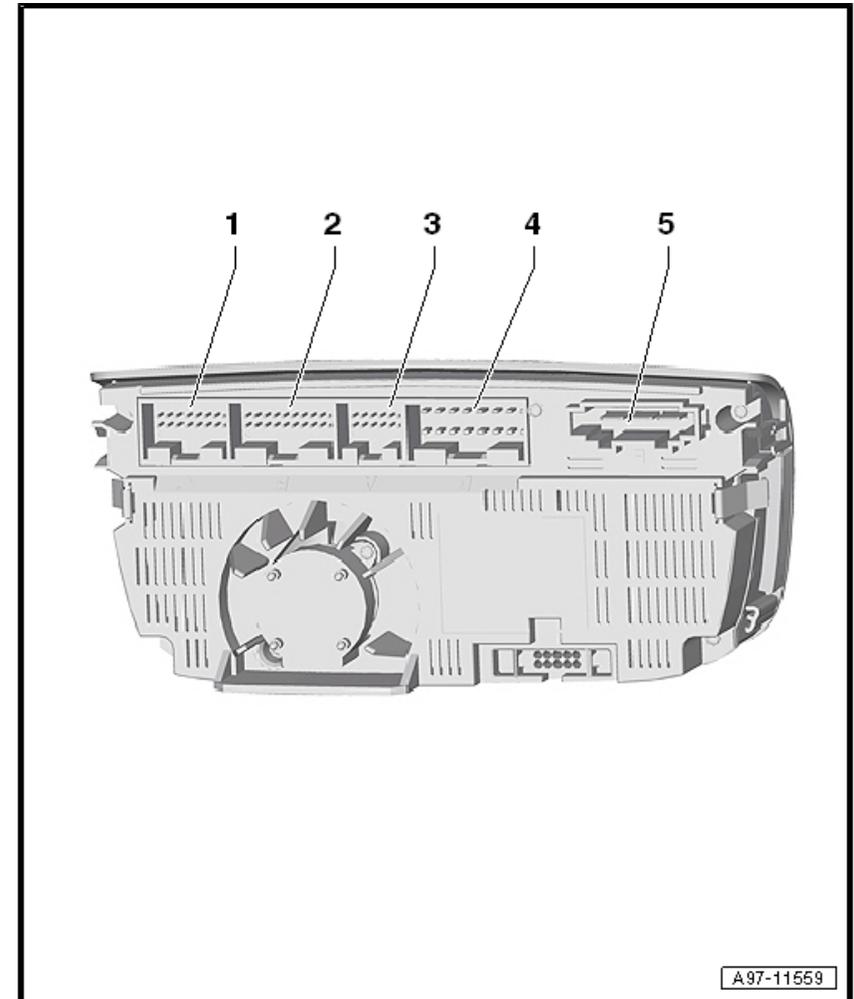
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



Pin Arrangements

- 1 - 16-Pin Connector -T16d- , on wiring harness, black
- 2 - 20-Pin Connector -T20k-
- 3 - 12-Pin Connector -T12k-
- 4 - 16-Pin Connector -T16c- , on wiring harness, brown
- 5 - 3-Pin Connector -T3ae- , on wiring harness, black



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Relay

## 1.1 Overview of Relay Carrier

### 1 - Relay carrier behind left instrument panel, left-hand drive

- ❑ Component: -J17- , -J360- , -J531- , -J682- , -J789- , -J807-
- ❑ Component Location: and Position of Relays ⇒ [page 2](#)

### 1 - Relay carrier behind right instrument panel, right-hand drive

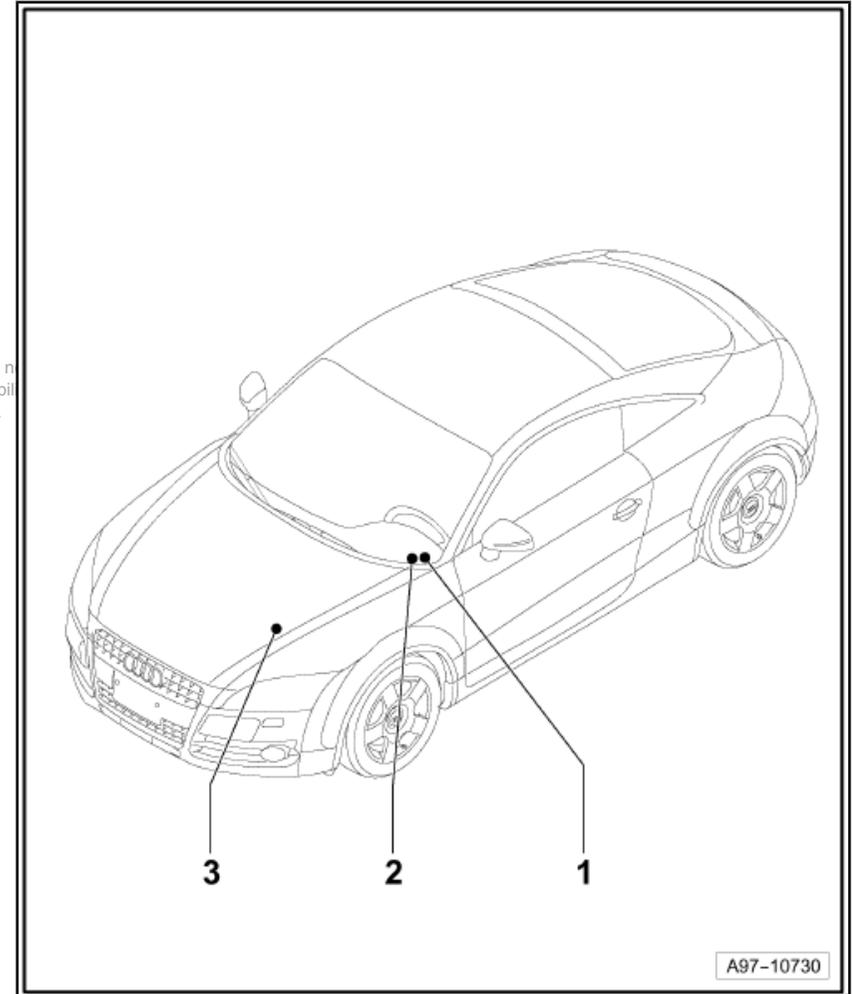
- ❑ Component: -J17- , -J360- , -J531- , -J682- , -J789- , -J807-
- ❑ Component Location: and Position of Relays ⇒ [page 4](#)

### 2 - Relay Carrier on Vehicle Electrical System Control Module

- ❑ Component: -J9- , -J39- , -J413- , -J576- , -J681- , -J689-
- ❑ Position of Relays, through May 2009 ⇒ [page 8](#)
- ❑ Component Location: and Position of Relays, from June 2009 ⇒ [page 9](#)

### 3 - Relay carrier in electronics box engine compartment

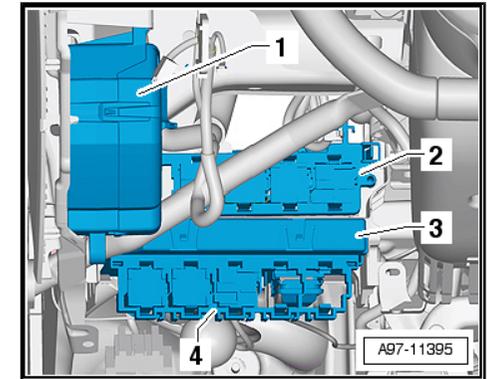
- ❑ Component: -J17- , -J49- , -J179- , -J151- , -J299- , -J271- , -J317- , -J359- , -J496- , -J757- , -J832- , -S125-
- ❑ Component Location: and Position of Relays ⇒ [page 6](#)



## 1.2 Relay carrier behind left instrument panel, left-hand drive

### Behind left instrument panel -2-

- 1 - Fuse Panel C
- 2 - Relay carrier behind left instrument panel
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009

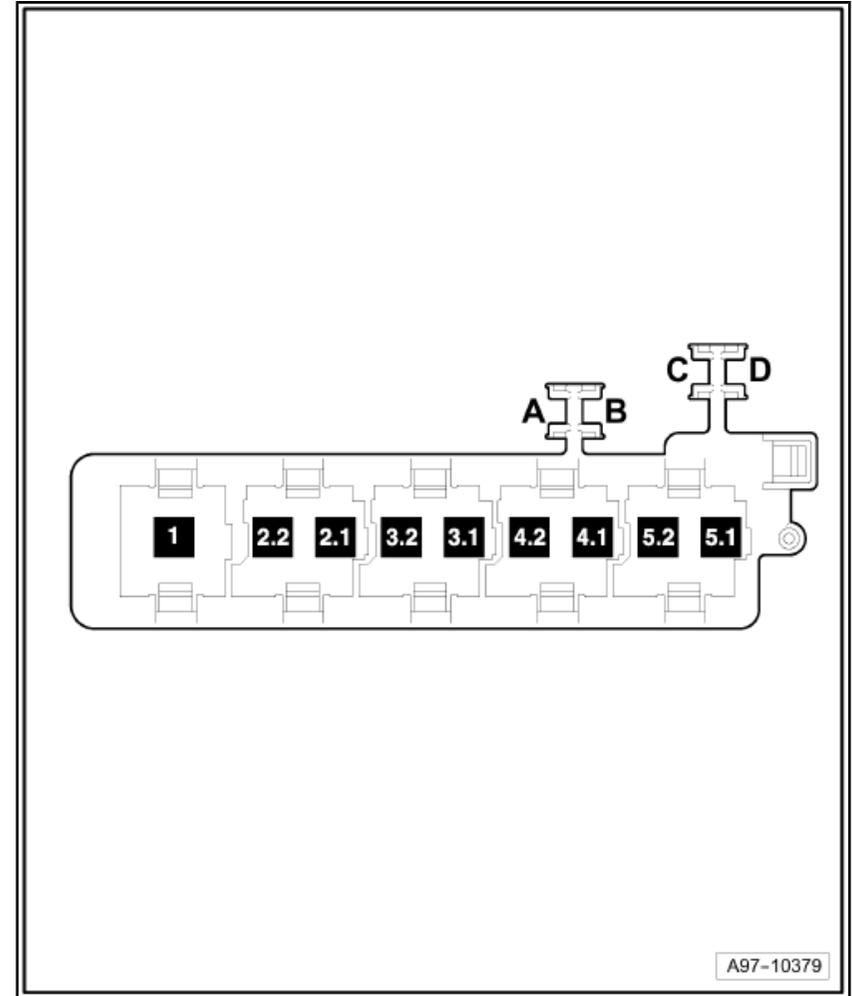


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Position of Relays

- 1 - Not used
- 2.1 - Fuel Pump (FP) Relay -J17-
  - TDI
- 2.1 - Control Relay -J789-
  - Engine codes CEPA, CEPB
- 2.2 - Sockets Relay -J807-
  - from June 2007
- 3 - ~~Not used~~
  - Through August 2008
- 3 - Preheating Coolant, High Heat Output Relay -J360-
  - From September 2008
- 4 - Power Supply Relay (terminal 50) -J682-
- 5 - Wind Deflector Control Module (Cabrio) -J531- , wind deflector relay

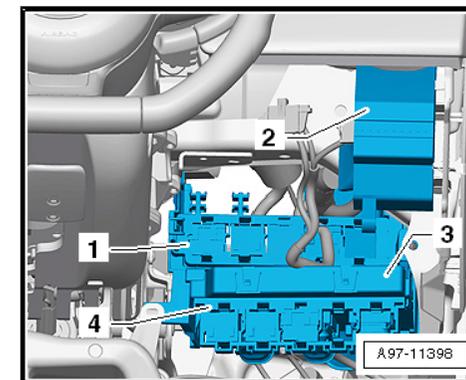


A97-10379

### 1.3 Relay carrier behind right instrument panel, right-hand drive

#### Behind right instrument panel -1-

- 1 - Relay carrier behind right instrument panel
- 2 - Fuse Panel C
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009



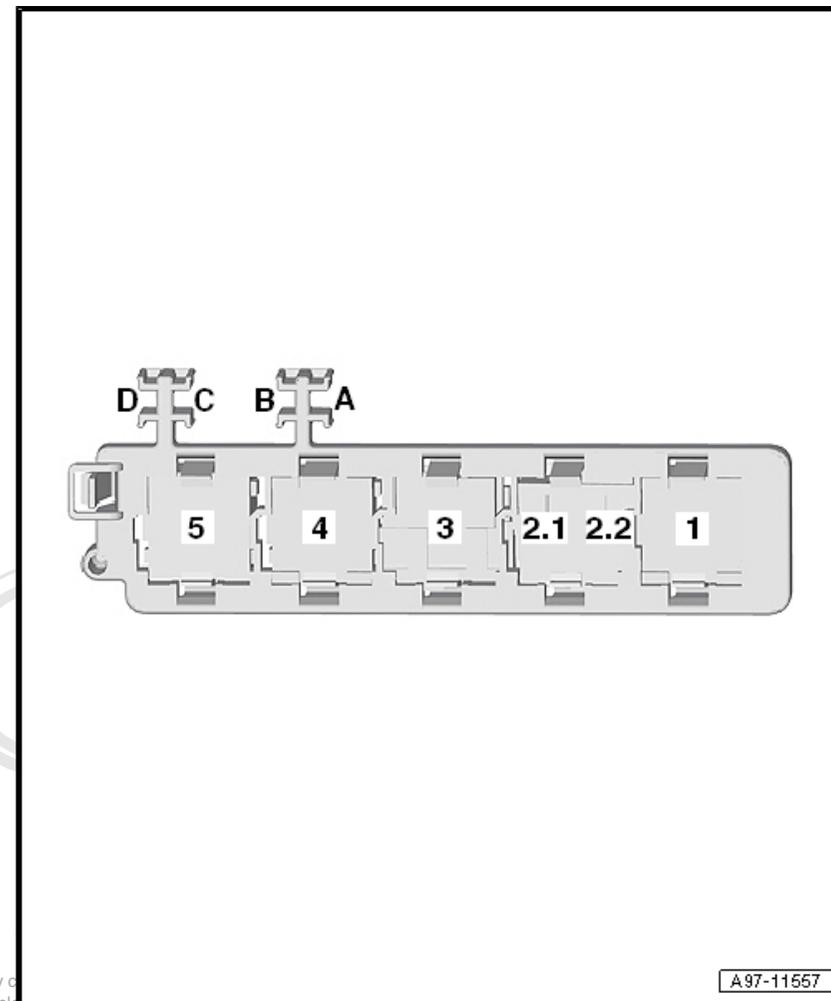
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Position of Relays

- 1 - Not used
- 2.1 - Fuel Pump (FP) Relay -J17-
  - TDI
- 2.1 - Control Relay -J789-
  - Engine codes CEPA, CEPB
- 2.2 - Sockets Relay -J807-
  - from June 2007
- 3 - Not used
  - Through August 2008
- 3 - Preheating Coolant, High Heat Output Relay -J360-
  - From September 2008
- 4 - Power Supply Relay (terminal 50) -J682-
- 5 - Wind Deflector Control Module (Cabrio) -J531- , wind deflector relay



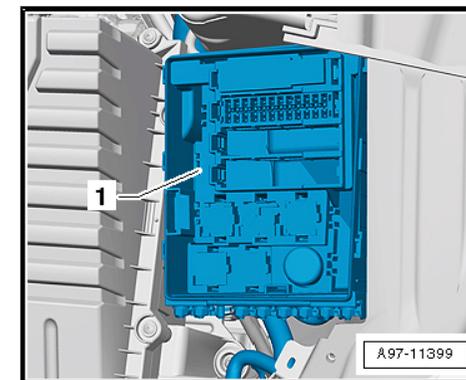
Protected by copyright. All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Audi AG. Audi AG is not liable for any errors or omissions in this document. Copyright by AUDI AG.

A97-11557



### 1.4 Relay carrier in electronics box engine compartment

In electronics box engine compartment -1-

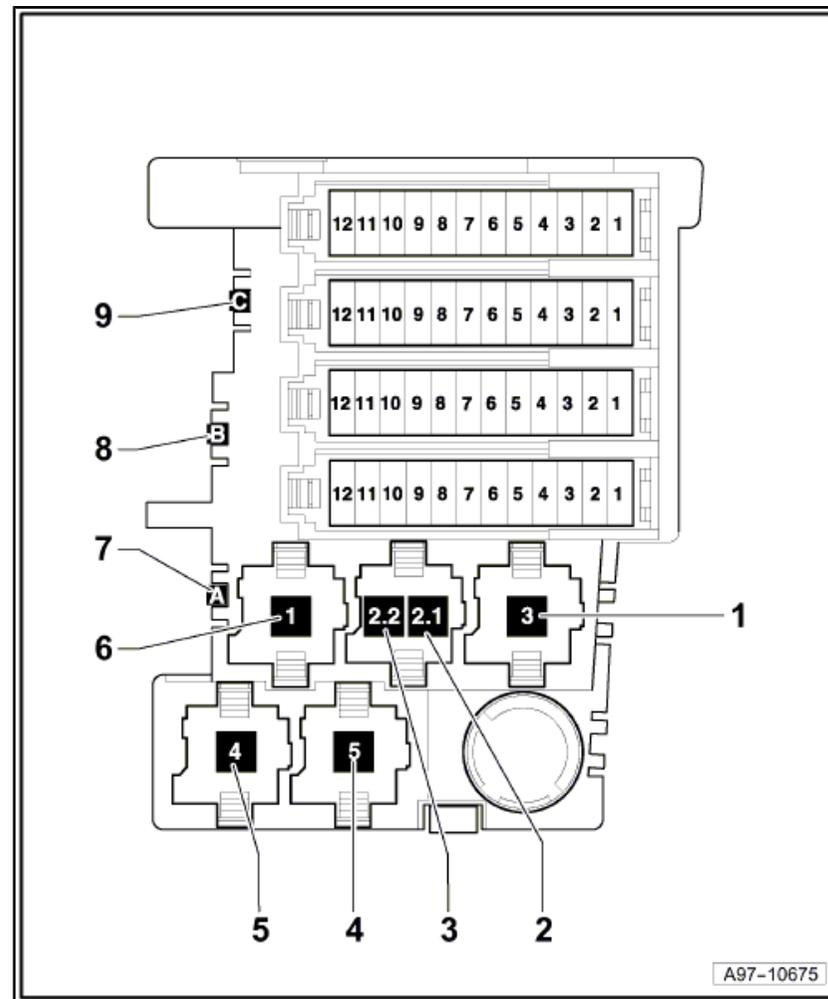


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Position of Relays

- 1 - Secondary Air Injection (AIR) Pump Relay -J299-
- 1 - Preheating Coolant, Low Heat Output Relay -J359-
  - Positive Temperature Coefficient (PTC) Heater (TDI)
  - Connection 3
- 2 - Fuel Pump (FP) Relay -J17-
- 2 - Auxiliary Fuel Pump Relay -J832-
  - TDI
  - Connection 2.1
- 3 - Coolant Circulation Pump Relay -J151-
- 3 - Auxiliary Engine Coolant (EC) Pump Relay -J496-
  - Engine codes CEPA, CEPB
  - Connection 2.2
- 4 - Fuel Pump (FP) 2 Relay -J49-
- 4 - Engine Component Power Supply Relay -J757-
  - Only engine codes BUB, CBRA
- 4 - Engine Component Power Supply Relay -J757-
  - Engine codes BWA, CDMA, CDAA, CCZA, CCTA, CEPA, CEPB, CESA, CETA
- 4 - Automatic Glow Time Control Module -J179-
  - TDI
  - Connection 5
- 5 - Motronic Engine Control Module (ECM) Power Supply Relay -J271-
- 5 - Power Supply Relay (terminal 30) -J317-
  - TDI
  - Connection 4
- 6 - Headlamp Washer Relay -J39-
  - Connection 1 (through May 2009)
- 7 - Glow Plugs Fuse -S125- , 50 A
  - Connection A
- 8 - Not used
- 9 - Not used



**1.5 Position of Relays on Vehicle Electrical System Control Module, through May 2009**

Behind left instrument panel, left-hand drive

Behind right instrument panel, right-hand drive

**1 - Power Supply Relay 2 (terminal 15) -J681-**

Connection B1

**2 - Not used**

Connection B2

**3 - Rear Window Defogger Relay -J9-**

Connection B5

**4 - Horn Relay -J413-**

Connection B6

**5 - Not used**

Connection B9

**6 - Windshield Washer Pump Relay -J576-**

Connection B8

**7 - Not used**

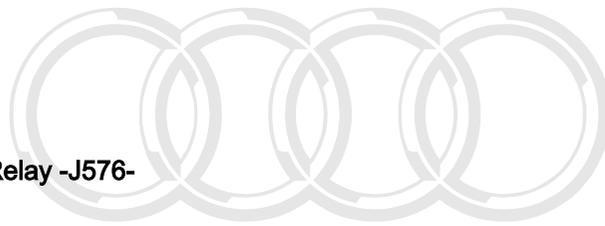
Connection B7

**8 - Not used**

Connection B3

**9 - Power Supply Relay 2 (terminal 30) -J689-**

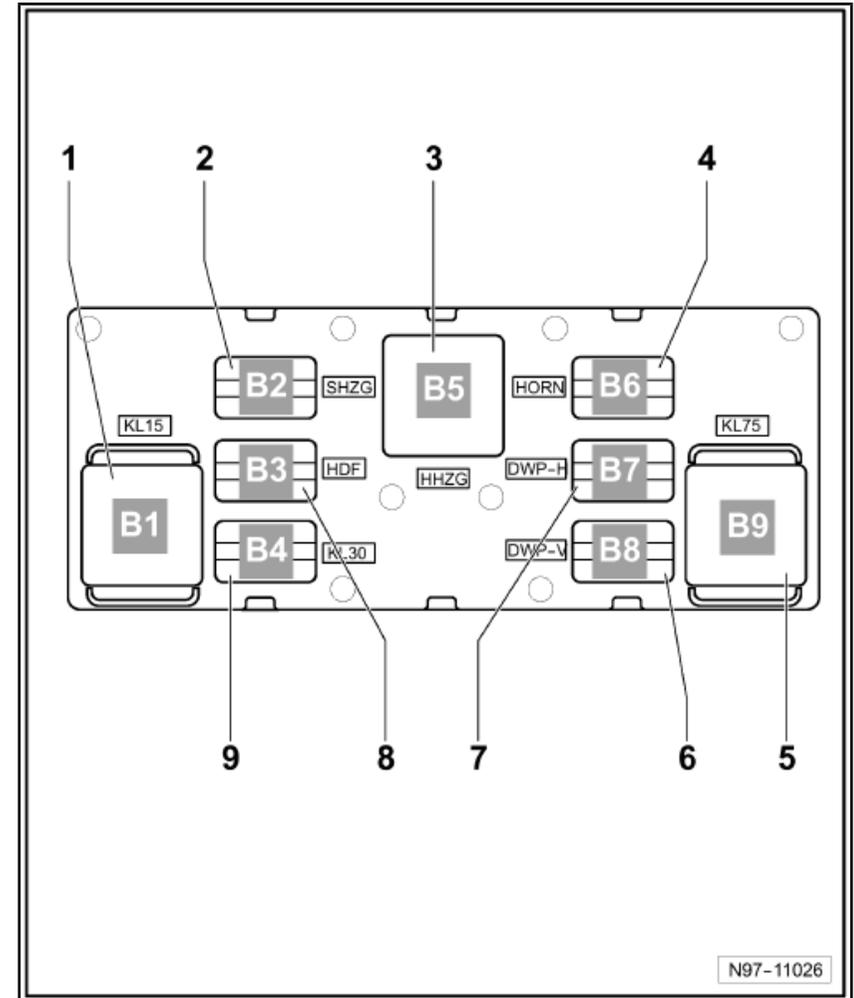
Connection B4



**Audi**



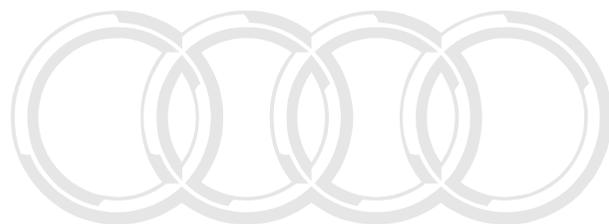
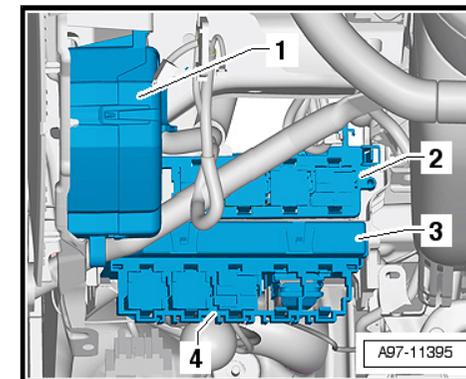
Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.6 Relay Carrier on Vehicle Electrical System Control Module, from June 2009

Behind left instrument panel, left-hand drive -4-

- 1 - Fuse Panel C
- 2 - Relay carrier behind left instrument panel
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009



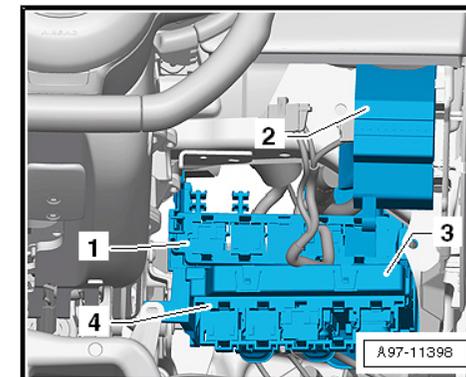
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Behind right instrument panel right-hand drive -4-**

- 1 - Relay carrier behind instrument panel
- 2 - Fuse Panel C
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Relay Carrier on Vehicle Electrical System Control Module -J519- from June 2009



Audi

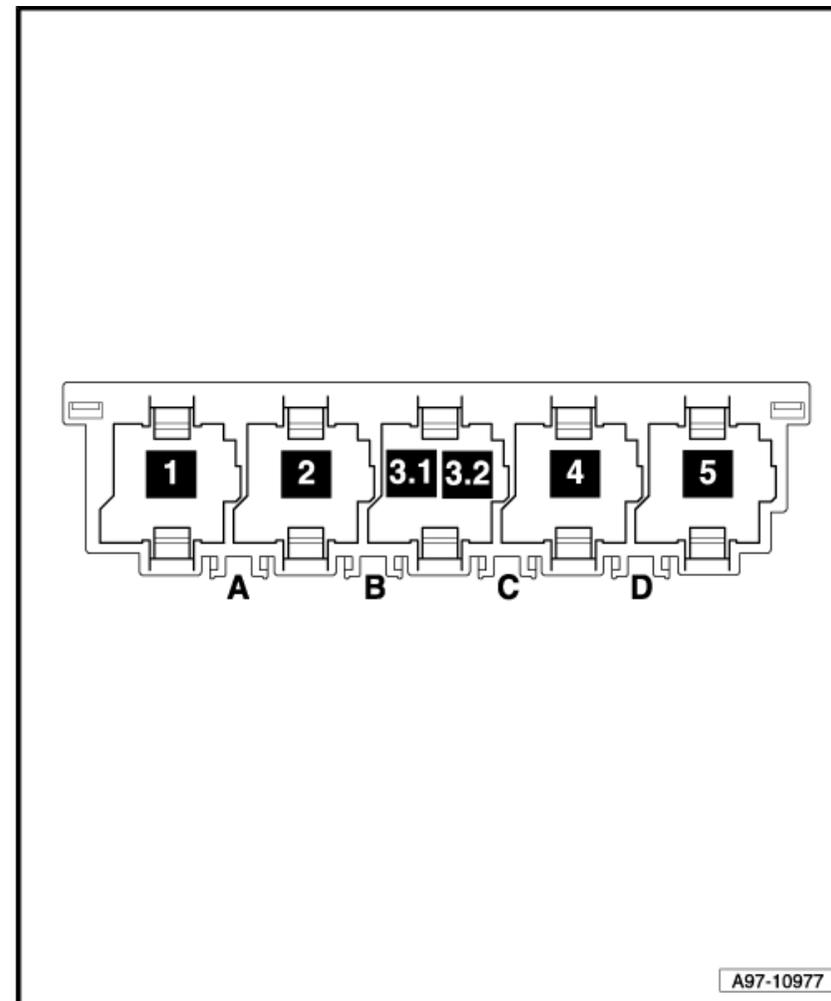
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Position of Relays

- 1 - Power Supply Relay 2 (terminal 15) -J681-
- 2 - Rear Window Defogger Relay -J9-
- 3.1 - Horn Relay -J413-
- 3.2 - Headlamp Washer Relay -J39-
- 4 - Not used
- 5 - Not used

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

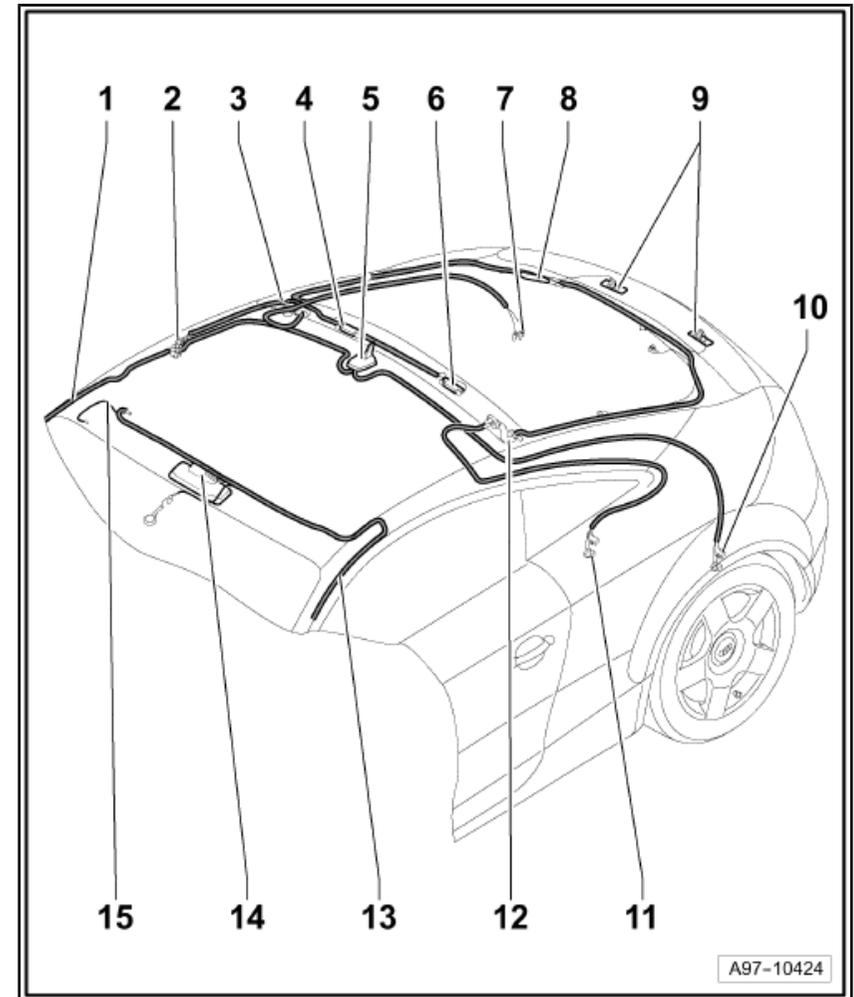


A97-10977

1 Models routing

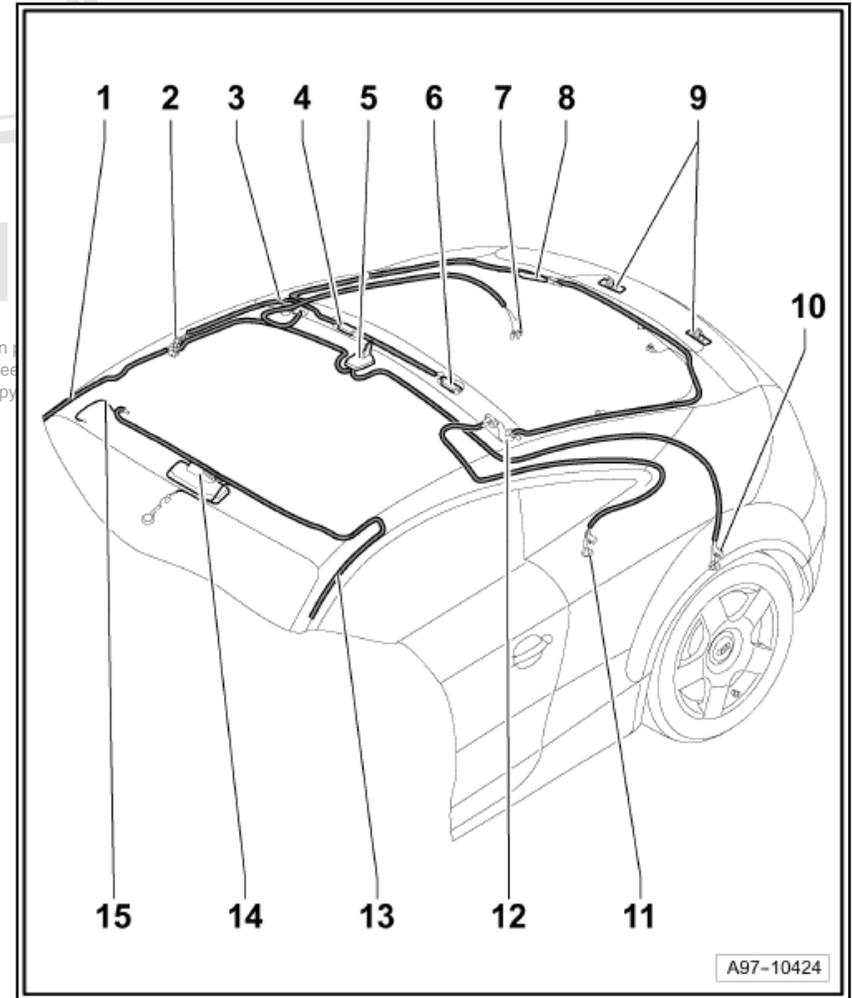
1.1 Rear lid/roof routing

- 1 - Antenna wiring to A-pillar right
- 2 - Connector station, right rear lid (on rear right roof frame)
- 3 - Transition rear lid to luggage compartment
- 4 - Antenna Amplifier -R24-, on upper right rear lid
- 5 - Antenna for Radio, Telephone, Navigation System - R52- (GSM/GPS)
- Antenna for Radio, Telephone, Navigation System - R52- (Satellite/GPS/GSM), USA only
- 6 - Antenna Amplifier 4 -R113-, on upper left rear lid
- 7 - Antenna Connectors TV Tuner -R78-, in luggage compartment, right



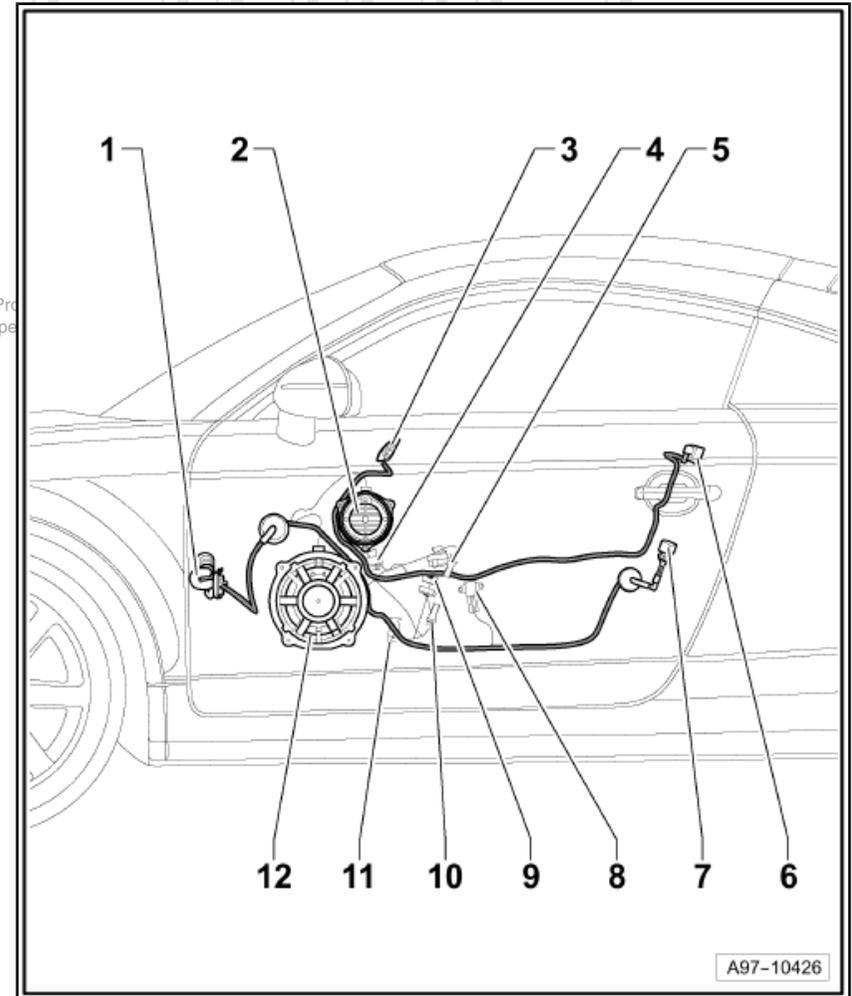
- 8 - Antenna Amplifier 2 -R111-, on right lower rear lid
- 9 -  
Left License Plate Light -X4-, Right License Plate Light -X5-
- 10 - Antenna Connectors Telephone Amplifier -R86-
- Antenna Connectors Satellite Radio -R146-, USA only
- 11 - Connector station, left rear lid (behind side panel)
- 12 - Transition rear lid to luggage compartment
- 13 - Wiring harness to A-pillar left
- 14 - Front interior light -W1-
- 15 - Sun blind, right Make-up mirror

Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the accuracy of information with respect to the correctness of information in this document. Copy

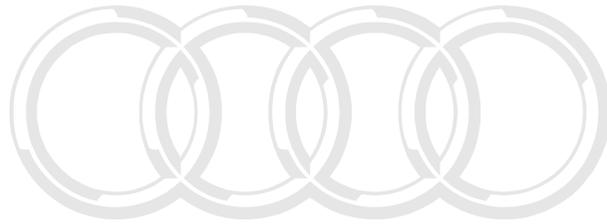


**1.2 Door routing**

- 1 - Door coupling - A-pillar
- 2 -  
Left Front Midrange Speaker - R103-/Right Front Midrange Speaker -R104- in doors, central
- 3 -  
Driver Interior Locking Button -E308-/Front Passenger Interior Locking Button -E309-
- 4 -  
Mirror Adjustment Switch -E43-/Mirror Selector Switch -E48-
- 5 -  
Window Regulator Control Head (in driver's door) -E512-/Window Regulator Switch (in RF door) - E107-
- 6 -  
Alarm System -Off- Switch E217-/Passenger Compartment Monitoring Switch -E183-
- 7 -  
Driver Door Central Locking Lock Unit -F220-/Left Rear Central Locking Lock Unit -F222-
- 8 -  
Driver Side Airbag Crash Sensor -G179-/Front Passenger Side Airbag Crash Sensor -G180-

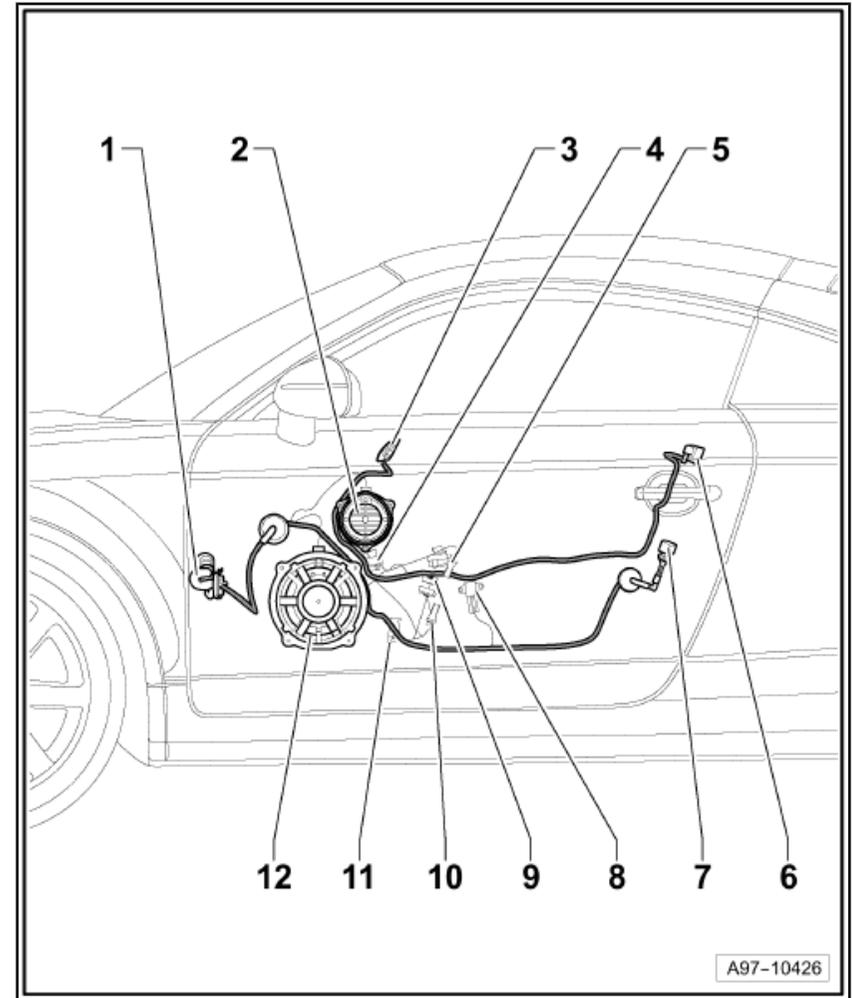


- 9 - Driver Door Control Module -J386- /Front Passenger Door Control Module -J387-
- 10 - Driver Door Control Module -J386- /Front Passenger Door Control Module -J387-
- 11 - Fuel Tank Lid Unlock Button -E319-/Rear Lid Remote Control Lock Switch -E233-
- 12 - Left Front Bass Speaker -R21-/Right Front Bass Speaker -R23- in doors, lower



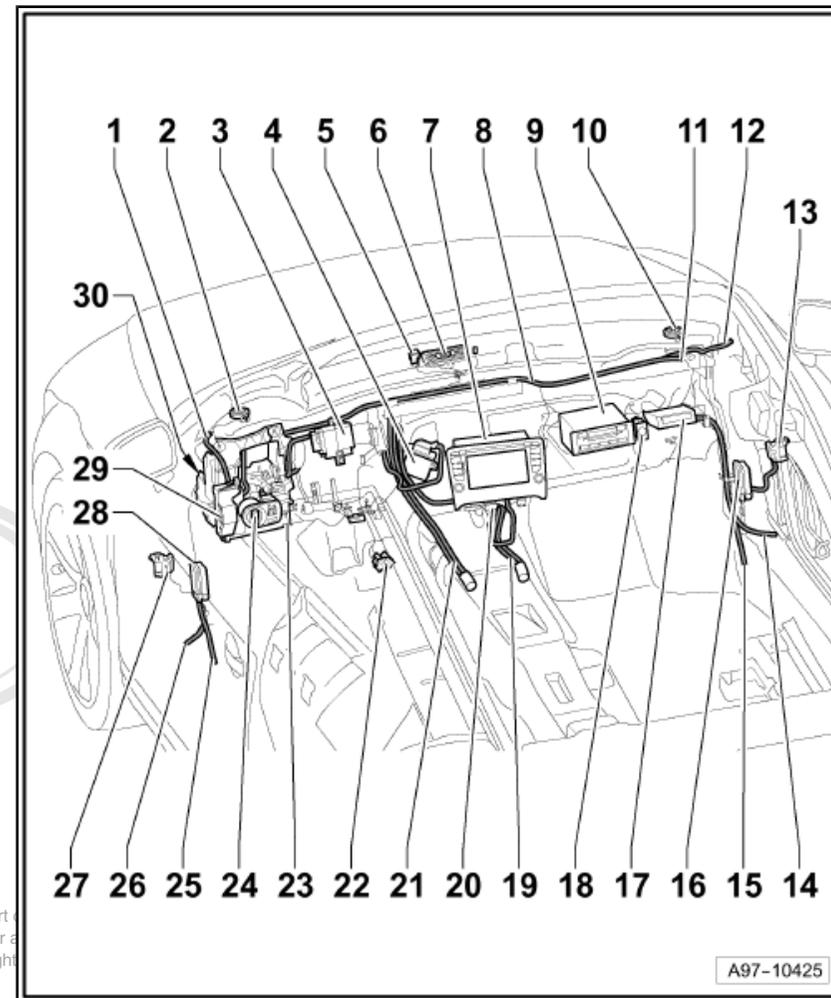
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**1.3 Instrument panel wiring harness routing**

- 1 - Wiring harness to A-pillar, roof left
- 2 - Left Front Treble Speaker -R20-
- 3 - Tire Pressure Monitoring Control Module 2 -J793-
- 4 - Headlamp Range Control Module -J431-
- 5 - Sunlight Photo Sensor -G107-
- 6 - Center Mid/High Range Speaker -R158-
- 7 - Radio -R-/Navigation System Control Module with CD Drive -J401-
- 8 - Wiring harness along module carrier
- 9 - CD Changer -R41-
- 10 - Right Front Treble Speaker -R22-

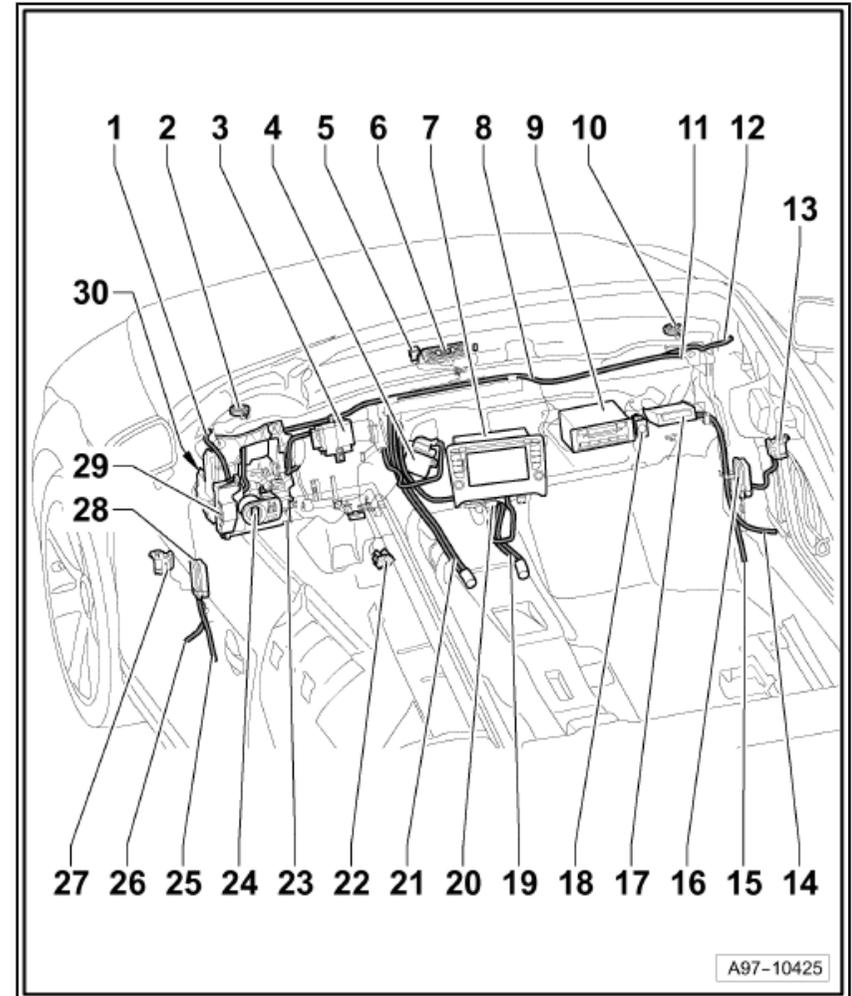


Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © 2007 Audi AG

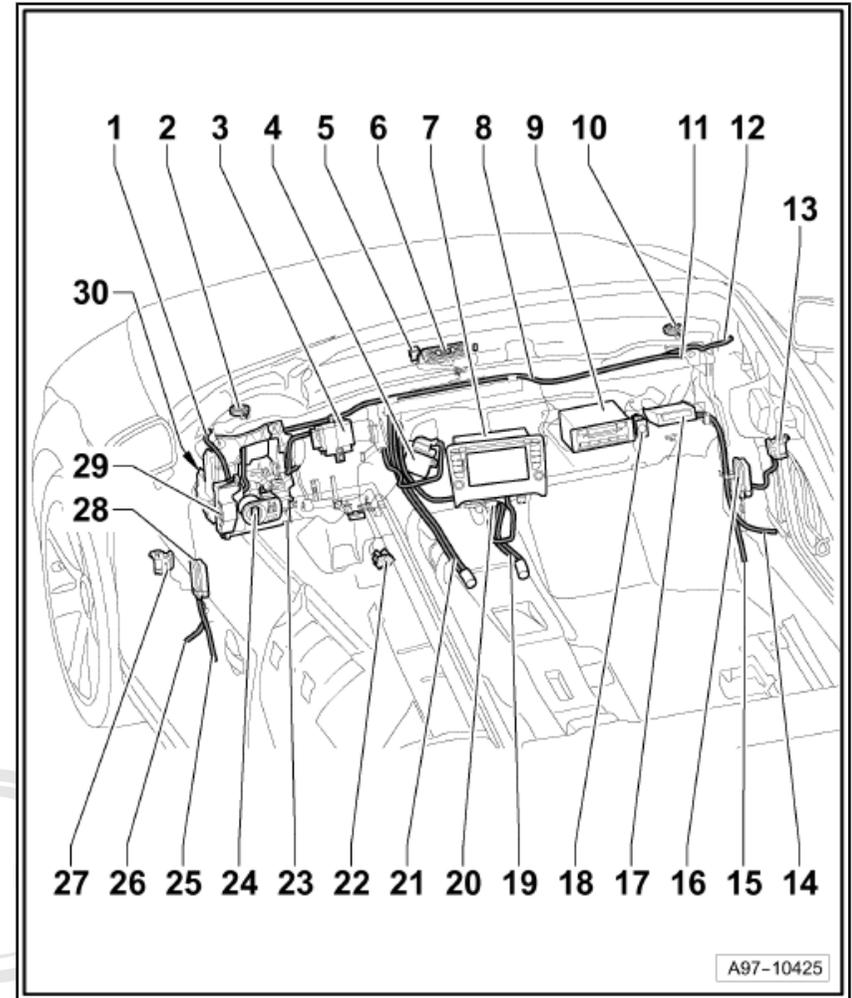
A97-10425



- 11 - Wiring harness along module carrier to right lower A-pillar
- 12 - Wiring harness to A-pillar, roof right
- 13 - Front passenger's door coupling
- 14 - Crimp Connector CAN-Bus
- 15 - Wiring harness from A-pillar to right luggage compartment
- 16 - Right A-pillar duct
- 17 - Chip Card Reader -R99-
- 18 - Front Passenger's Airbag -Off- Key Switch -E224-
- 19 - **Wiring harness from upper center console along right center console to rear seat**  
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not with respect to the correctness of information in this document. Copyright by AUDI AG.
- 20 - Connectors Radio -R-/Navigation System Control Module with CD Drive -J401-
- 21 - Wiring harness from upper center console along left center console



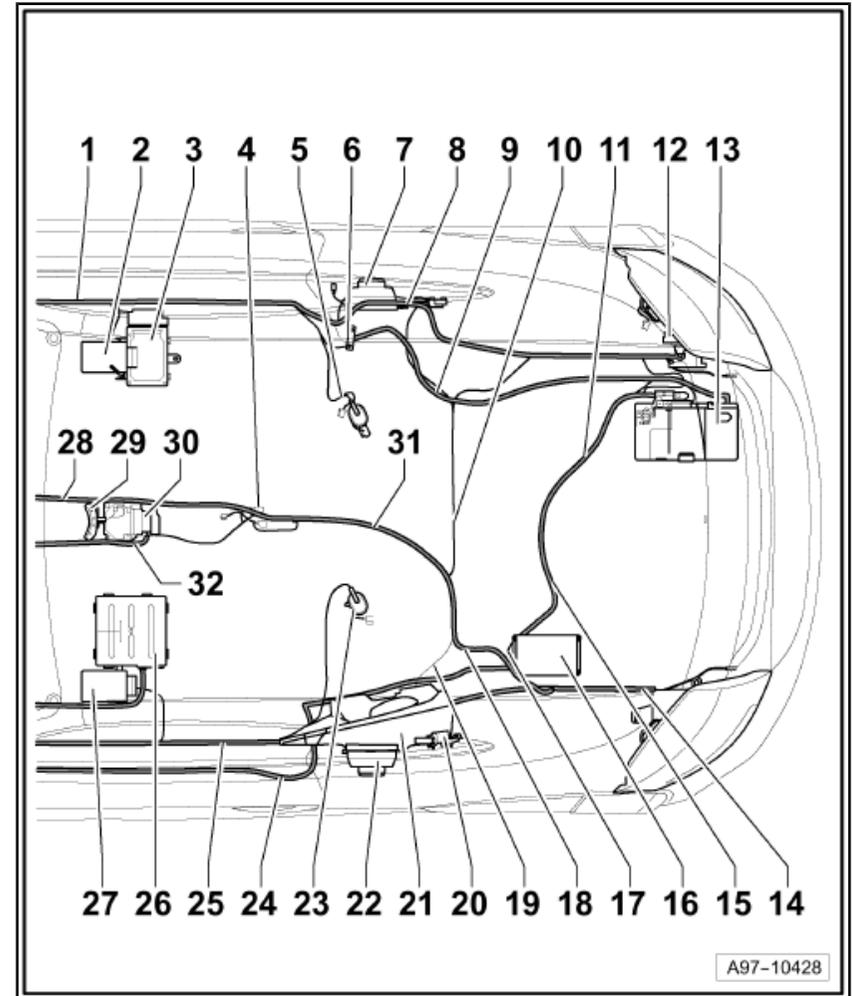
- 22 - Steering column switch module connector
- 23 - Vehicle Electrical System Control Module -J519-
- 24 - Light Switch -E1-
- 25 - Wiring harness from A-pillar to left luggage compartment
- 26 - Crimp Connector CAN-Bus
- 27 - Driver's door coupling -T20a-
- 28 - Left A-pillar duct
- 29 - Fuse panel instrument panel, left
- 30 - Wiring harness, interior - engine compartment duct



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**1.4 Interior routing**

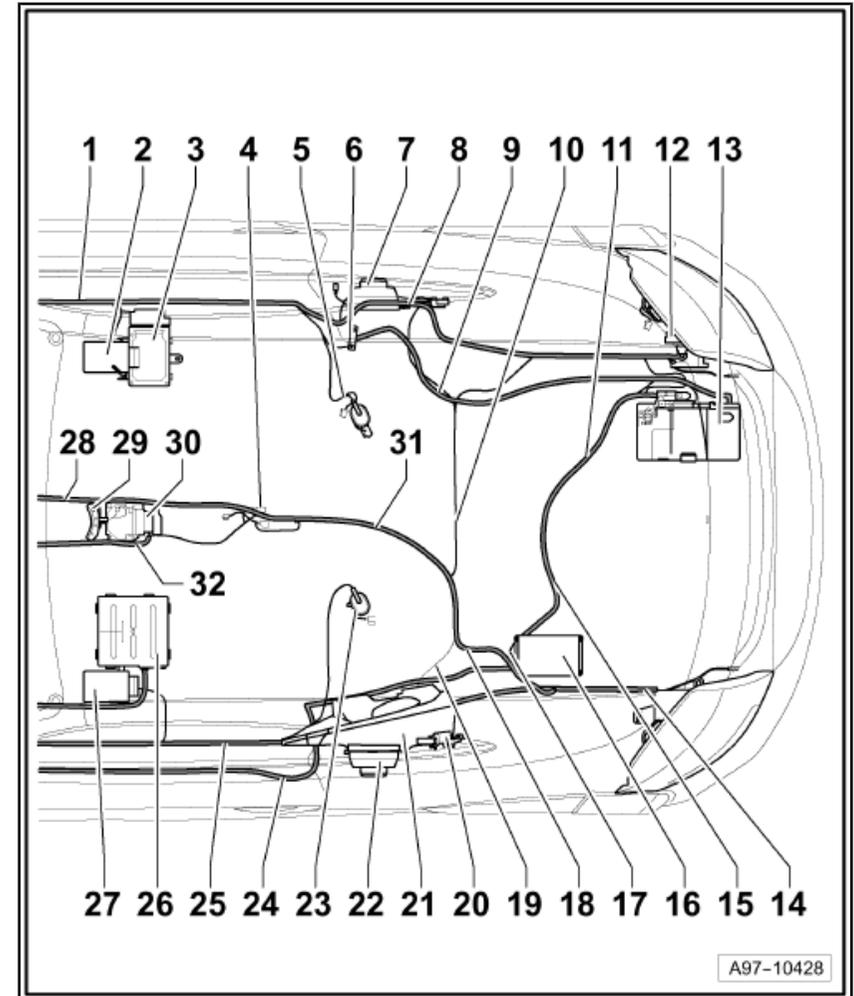
- 1 - Wiring harness to A-pillar right
- 2 - Connector station below front passenger's seat
- 3 - Electronic Damping Control Module -J250-
- 4 - Telephone baseplate connectors -R126- in center console
- 5 - Right tank sensor connectors
- 6 - Ground Connection (below rear seat bench, right) -40-
- 7 - Right Rear Mid/Low Range Speaker -R160-
- 8 - Wiring harness to taillamp, control module in luggage compartment, right
- 9 - Ground wire battery -A-
- 10 - Wiring harness below rear seat bench
- 11 - Wiring from battery interrupt igniter -N253- in luggage compartment to starter -B-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

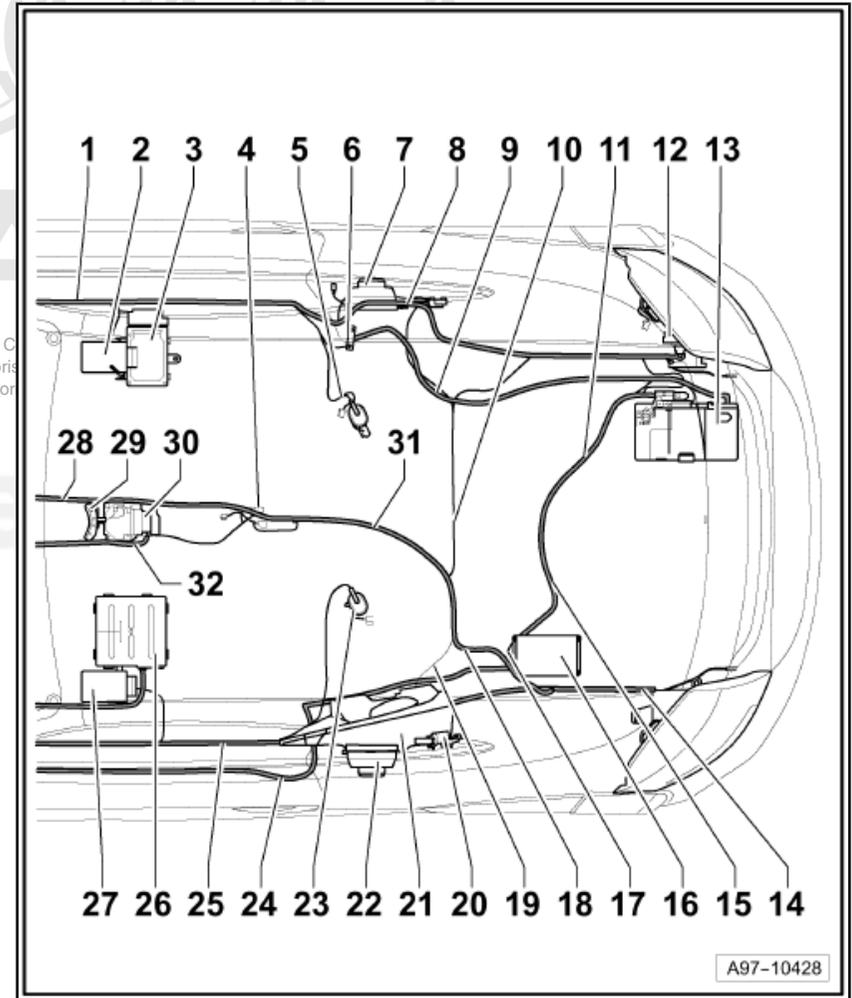
- 12 - Right rear taillamp connectors and control modules in right luggage compartment
- 13 - Battery -A- with main fuse panel and battery interrupt igniter -N253- in luggage compartment, right rear
- 14 - Wiring harness to digital sound system control module -J525- and left rear taillamp
- 15 - Wiring in luggage compartment to starter -B-
- 16 - Control modules in insert luggage compartment, right
- 17 - Starter wire duct below vehicle floor
- 18 - Wiring harness to digital sound system control module -J525-
- 19 - Wiring harness to left rear speaker
- 20 - Connector station, left rear lid (behind side panel)
- 21 - Center Speaker -R148-

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the prior written consent of Audi AG. Audi AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by Audi AG.



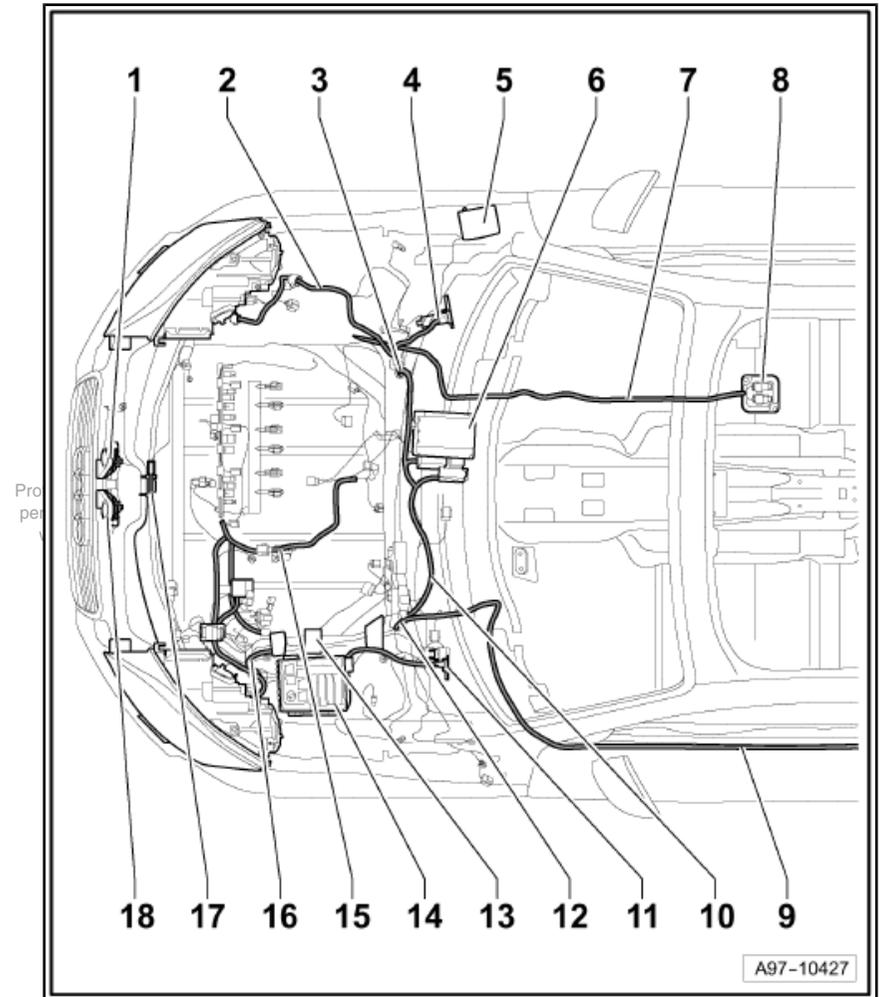
- 22 - Left Rear Mid/Low Range Speaker -R159-
- 23 - Left tank sensor connectors
- 24 - Starter wire below vehicle floor
- 25 - Wiring harness to A-pillar left
- 26 - Telephone Transceiver -R36-, below driver's seat
- 27 - Connector station below driver's seat
- 28 - Wiring harness to right front center console
- 29 - Row of switches centre console
- 30 - Airbag Control Module -J234-, under center console
- 31 - Wiring harness from center console to rear left, below rear seat
- 32 - Wiring harness to front left center console

Protected by copyright. Copying or reproduction is not permitted unless authorized in writing by Audi AG with respect to the content.

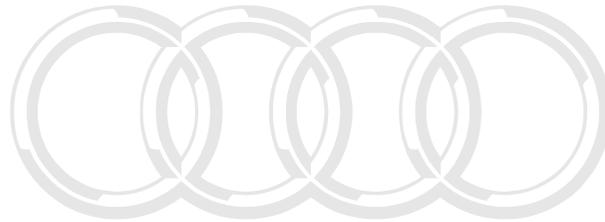


**1.5 Plenum chamber, engine compartment wiring harness routing**

- 1 - High Tone Horn -H2-
- 2 - Wiring harness right engine compartment to headlamp
- 3 - Transition to plenum chamber, right
- 4 - Duct to instrument panel, right
- 5 - Alarm Horn -H12-
- 6 - Engine Control Module (ECM) -J623-
- 7 - Wiring harness to heated oxygen sensor (HO2S) coupling
- 8 - Heated oxygen sensor (HO2S) coupling on underbody
- 9 - Starter wire below vehicle floor
- 10 - Wiring harness in engine control module (ECM) plenum chamber -J623-
- 11 - Duct to instrument panel, left

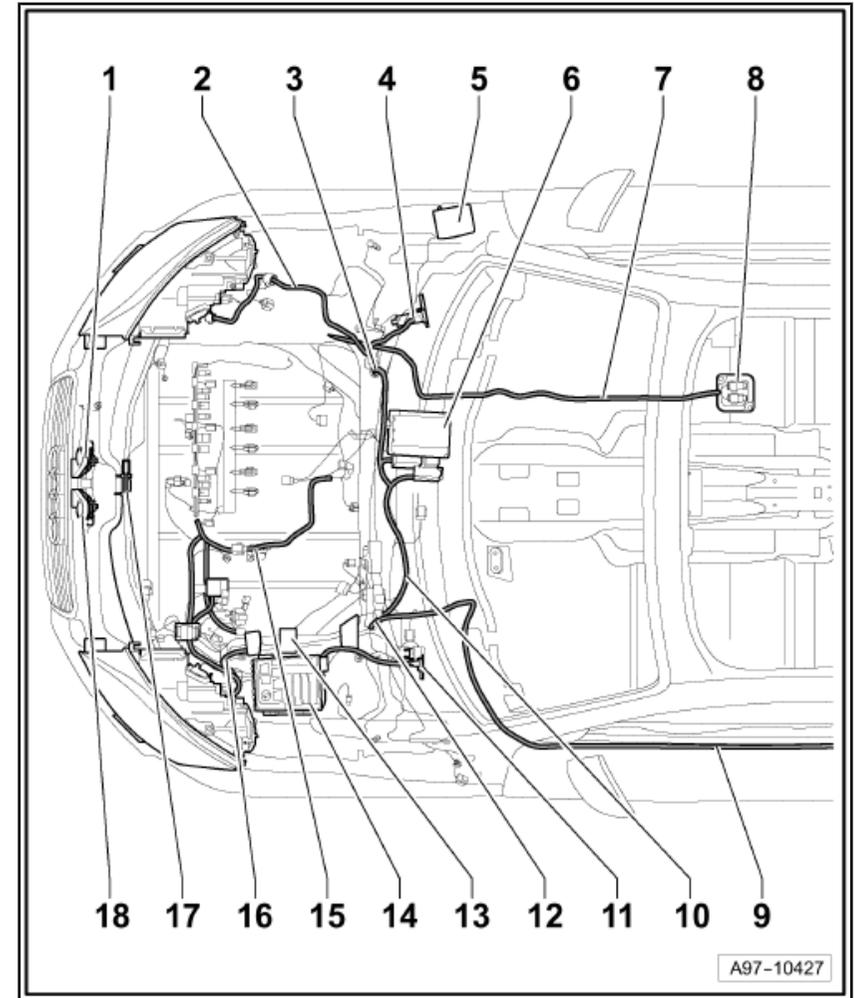


- 12 - Transition to instrument panel, left
- 13 - Wire channel in engine compartment, left
- 14 - Electronics box, engine compartment
- 15 - Engine pre-wiring
- 16 - Wiring harness left engine compartment to headlamp
- 17 -  
Front Airbag Crash Sensor -G190-/Driver's Front Airbag Crash Sensor -G283-/Front Passenger's  
Front Airbag Crash Sensor -G284- (USA only)
- 18 - Low Tone Horn -H7-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



A97-10427

## 1 Component Locations: Climate / Climatronic Systems

- ◆ Components Outside of Passenger Compartment ⇒ [page 2](#)
- ◆ Components Inside Passenger Compartment ⇒ [page 4](#)
- ◆ A/C Unit Components ⇒ [page 6](#)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.1 Components Outside of Passenger Compartment

### Group 1

**1 - A/C Compressor Regulator Valve -N280-**

□ Located on the A/C compressor

**2 - A/C Compressor**

**3 - Label**

**4 - Water Drains Of Plenum Chamber**

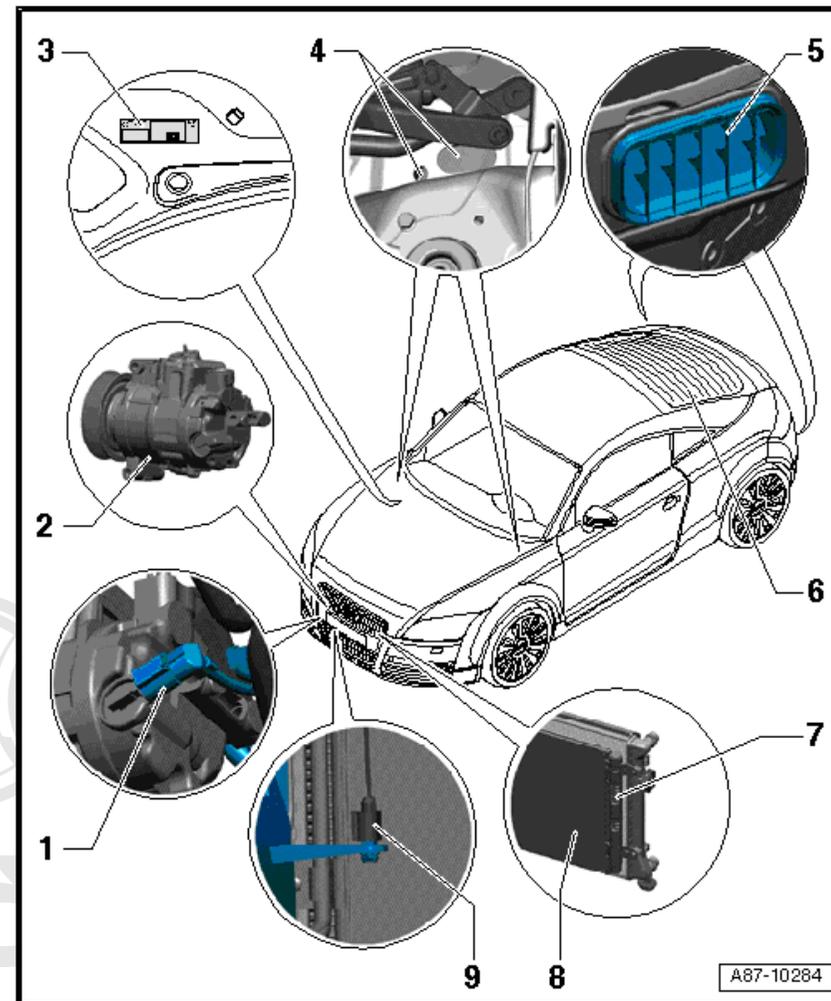
**5 - Forced Air Extractor**

**6 - Heated Rear Window -Z1-**

**7 - Fluid Reservoir**

**8 - Condenser**

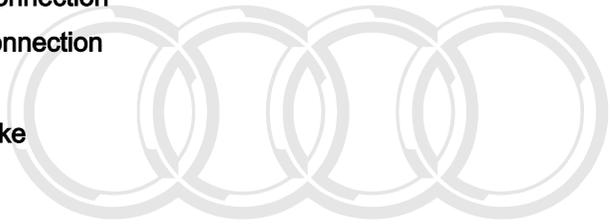
**9 - Outside Air Temperature Sensor -G17-**



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

Group 2

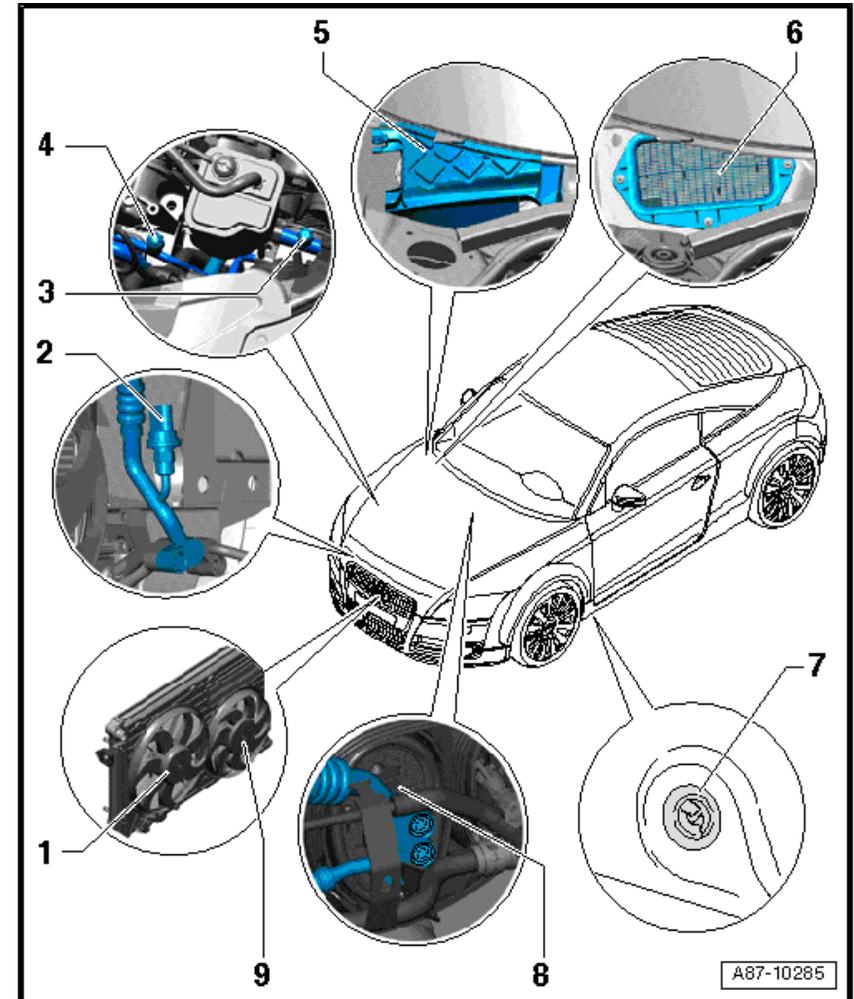
- 1 - Coolant Fan -V7-
- 2 - High Pressure Sensor -G65-
- 3 - High Pressure Side Service Connection
- 4 - Low Pressure Side Service Connection
- 5 - Fresh Air Intake Cover
- 6 - Intake Grille For Fresh Air Intake
- 7 - Condensation Drain
- 8 - Expansion Valve
- 9 - Coolant Fan 2 -V177-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

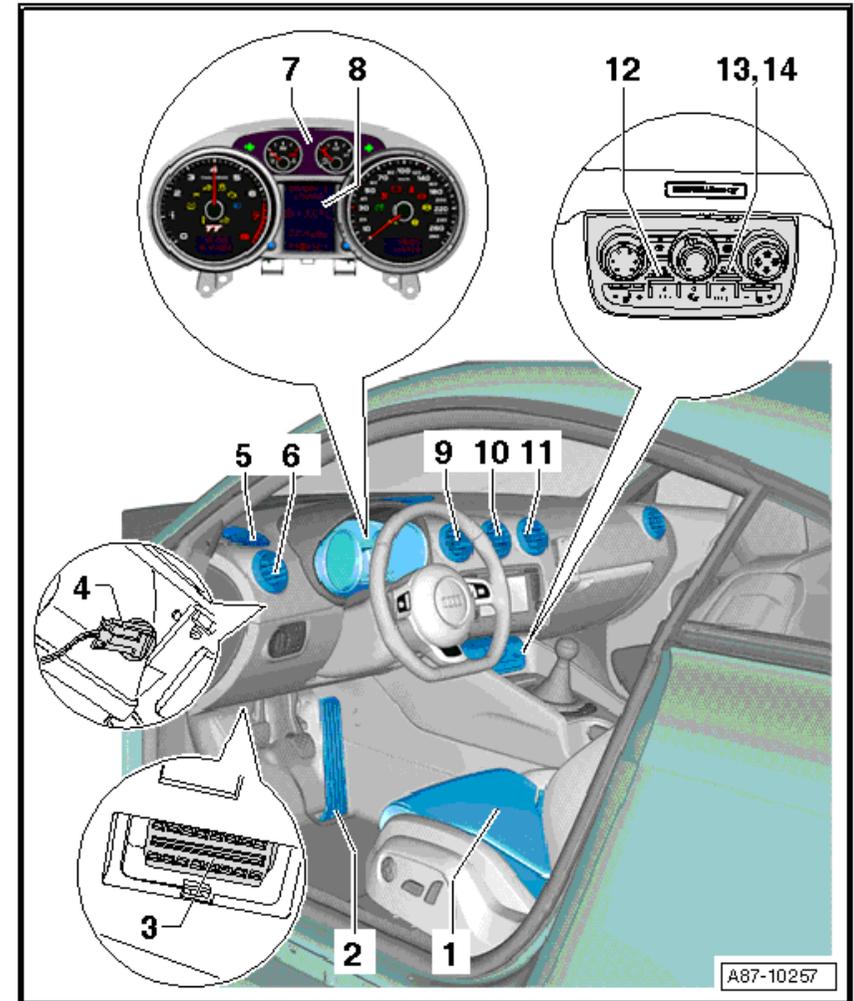
erWin



## 1.2 Components Inside Passenger Compartment

### Group 1, Left Side

- 1 - Left Front Seat Temperature Sensor -G344- and Left Front Heated Seat -Z45-
  - Seat heater is not installed in all vehicles (optional equipment)
- 2 - Accelerator Mechanism
- 3 - Diagnostic Connection
- 4 - Left Front Upper Body Outlet Temperature Sensor -G385- / Right Front Upper Body Outlet Temperature Sensor -G386-
- 5 - Defroster Vent/Left Side Window
- 6 - Instrument Panel Vent, Left
- 7 - Instrument Cluster Control Module -J285-
  - With Outside Air Temperature Display -G106-
- 8 - Outside Air Temperature Display -G106-
- 9 - Left Center Instrument Panel Vent
- 10 - Instrument Panel Vent, Center
- 11 - Right Center Instrument Panel Vent
- 12 - Climatronic Control Module -J255- A/C Control Head
- 13 - Interior Temperature Sensor Fan -V42-
- 14 - Instrument Panel Interior Temperature Sensor -G56-
  - Integrated in Climatronic Control Module



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

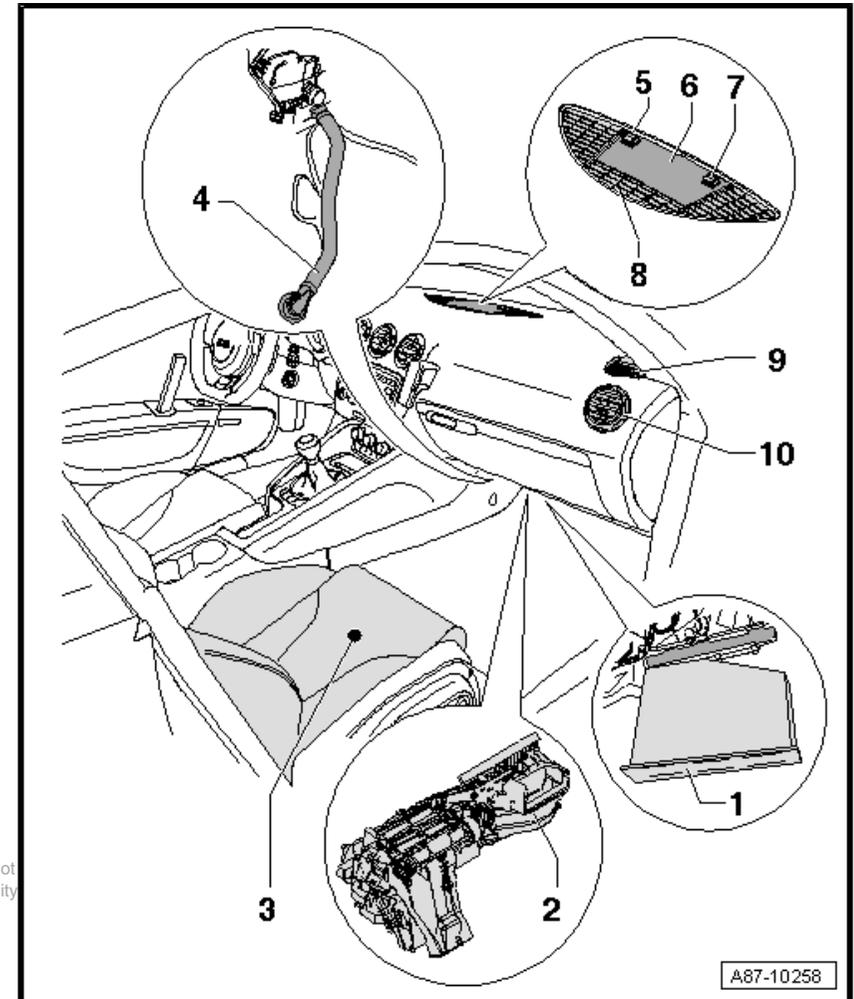


Group 2, Right Side

- 1 - Dust And Pollen Filter
- 2 - A/C Unit With Evaporator And Add-On Components
- 3 - Right Front Seat Temperature Sensor -G345- and Left Front Heated Seat -Z45-  
 Seat heater is not installed in all vehicles (optional equipment)
- 4 - Condensation Drain
- 5 - Sunlight Photo Sensor -G107-
- 6 - Cover For Loudspeaker In Center Instrument Panel
- 7 - Light Emitting Diode for Central Locking System
- 8 - Defroster Vent/Front Window
- 9 - Defroster Vent/Right Side Window
- 10 - Instrument Panel Vent, Right

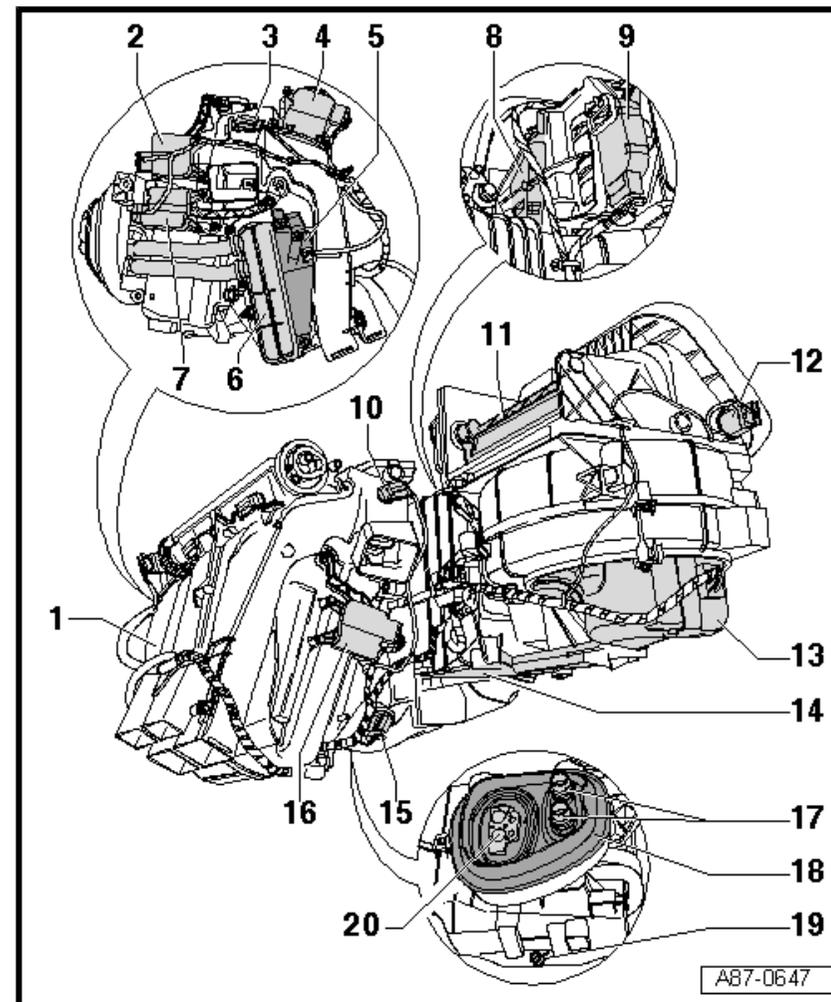


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.3 A/C Unit Components

- 1 - A/C Unit With Evaporator
- 2 - Defroster Door Motor -V107-
  - With Defroster Door Motor Position Sensor -G135-
- 3 - Left Footwell Vent Temperature Sensor -G261-
- 4 - Central Air Door Motor -V70-
  - With Central Door Motor Position Sensor -G112-
- 5 - Auxiliary Air Heater Heating Element -Z35-
  - Only intended for vehicles with Diesel engine
- 6 - Heat Exchanger For Heater Unit
- 7 - Left Temperature Door Motor -V158-
  - With Left Temperature Door Potentiometer/Actuator -G220-
- 8 - Air Flow Door Motor -V71-
  - With Back Pressure Door Motor Position Sensor -G113-
- 9 - Recirculation Door Motor -V113-
  - With Recirculation Door Motor Position Sensor -G143-
- 10 - Right Footwell Vent Temperature Sensor -G262-
- 11 - Intake Housing with Recirculating Air and Air Flow/Fresh Air Door
- 12 - Temperature Sensor (component not installed)
- 13 - Fresh Air Blower Control Module -J126- and Fresh Air Blower -V2-
- 14 - Dust and Pollen Filter
- 15 - Evaporator Vent Temperature Sensor -G263-
- 16 - Right Temperature Door Motor -V159-
  - With Right Temperature Door Potentiometer/Actuator -G221-
- 17 - Coolant Pipes to Heater Core
- 18 - Grommet
- 19 - Condensation Water Drain Connection
- 20 - Expansion Valve



# 1 Component Locations: Anti-Lock Brake Systems

## 1.1 ABS Electrical and Electronic Component Locations

### 1 - ASR/ESP Control Lamp -K155-

❑ Component location: In tachometer

### 2 - Brake Pad Wear Indicator Lamp -K32-

❑ Component location: In center display field

### 3 - Brake System Warning Lamp -K118-

❑ Component location: In tachometer

### 4 - ABS Warning Lamp -K47-

❑ Component location: In tachometer

### 5 - ASR/ESP Button -E256-

❑ Component location: In center console

### 6 - Right Rear ABS Wheel Speed Sensor -G44- and Left Rear ABS Wheel Speed Sensor -G46-

❑ Location view ⇒ [page 3](#)

### 7 - Steering Angle Sensor -G85-

❑ Location on steering column between steering wheel and steering column switch  
⇒ [page 6](#)

### 8 - Data Link Connector (DLC)

❑ Component location: Cover in driver footwell

### 9 - Brake Pedal

❑ Without brake light switch

### 10 - Right Front ABS Wheel Speed Sensor -G45- and Left Front ABS Wheel Speed Sensor -G47-

❑ Location view ⇒ [page 4](#)

### 11 - Brake Booster

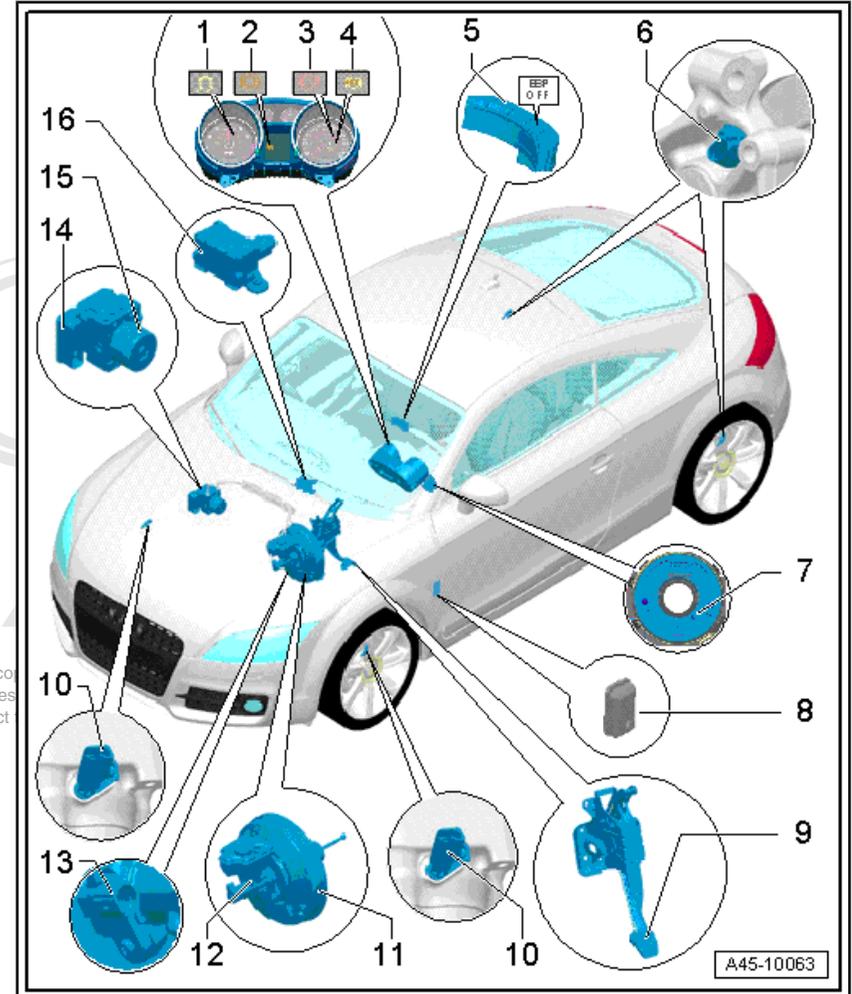
❑ With integrated Brake Booster Vacuum Sensor -G483- ⇒ [page 5](#)

### 12 - Master Brake Cylinder

❑ With attached brake light switch

### 13 - Brake Light Switch -F- / Brake pedal switch -F47-

❑ Component location: At master brake cylinder ⇒ [page 0](#)



**14 - ABS Control Module -J104-**

- Component location: In right of engine compartment
- Integrated with ABS Hydraulic Unit -N55-

**15 - ABS Hydraulic Unit -N55-**

- Component location: In right of engine compartment
- The hydraulic control unit consists of :

- ◆ ABS Hydraulic Pump -V64-
- ◆ ABS Hydraulic Unit -N55-
- ◆ ABS Control Module -J104-
- ◆ With integrated Brake Pressure Sensor 1 -G201-

**16 - ESP Sensor Unit -G419-**

- Component location: on center console under the selector lever trim
- ESP Sensor Unit consists of :

- ◆ Combined Transverse Acceleration Sensor -G200-
- ◆ Rotation Rate Sensor -G202-
- ◆ On all-wheel drive vehicles, Longitudinal Acceleration Sensor -G251-



# Audi

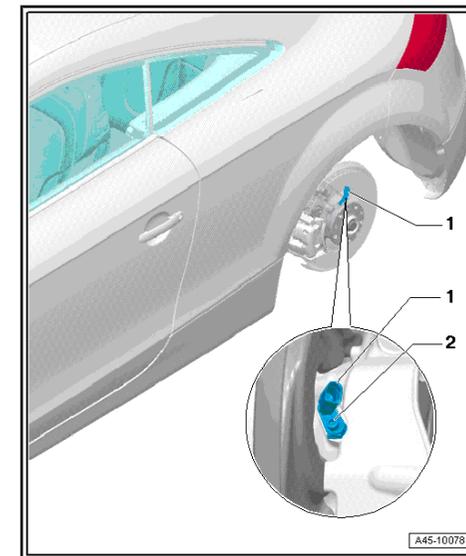
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Rear Wheel Speed Sensor**

1 - Right Rear ABS Wheel Speed Sensor -G44- and Left Rear ABS Wheel Speed Sensor -G46-

◆ All wheel drive version shown, front wheel similar



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Front Wheel Speed Sensor**

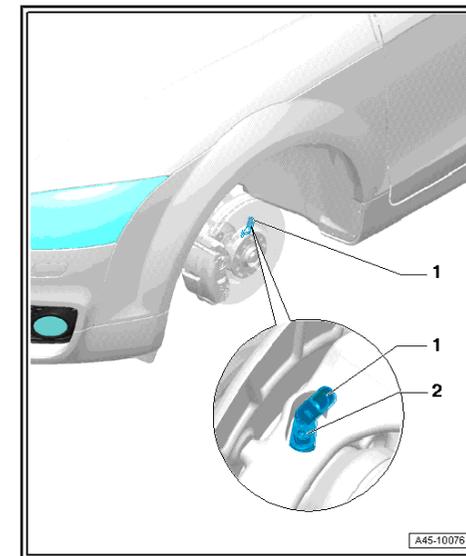
1 - Right Front ABS Wheel Speed Sensor -G45- and Left Front  
ABS Wheel Speed Sensor -G47-



Audi

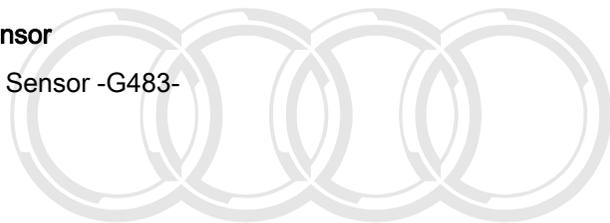
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



**Brake Booster Vacuum Sensor**

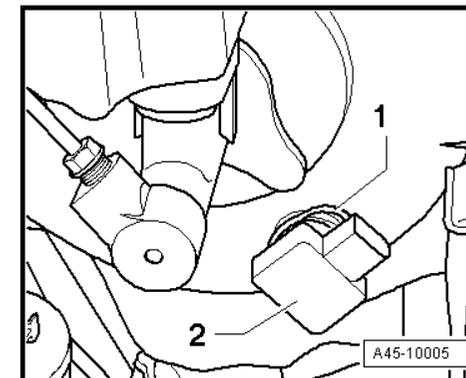
2 - Brake Booster Vacuum Sensor -G483-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

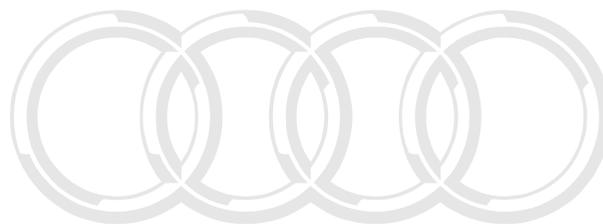
erWin



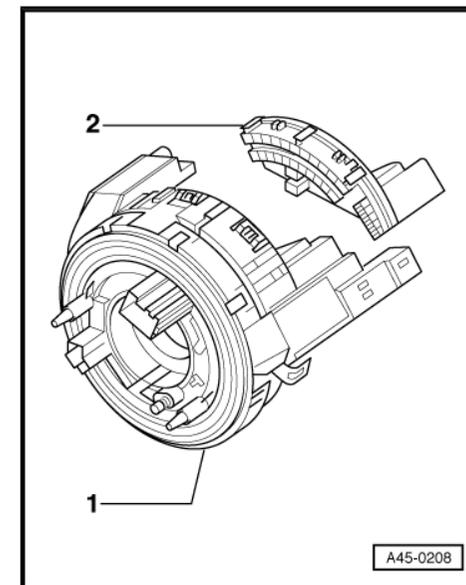
**Steering Angle Sensor**

1 - Airbag Spiral Spring/Return Spring With Slip Ring -F138-

2 - Steering Angle Sensor -G85-



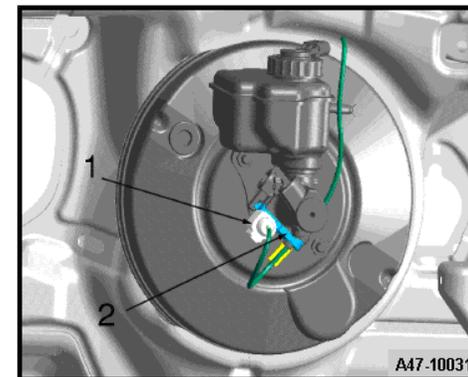
Audi



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



2 - Brake Light Switch -F- / Brake pedal switch -F47-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1 Component Locations: Airbag Systems

- ◆ Airbag Component Location Overview ⇒ [page 1](#)
- ◆ Airbag Crash Sensors Component Location Overview ⇒ [page 4](#)
- ◆ Seat Belt Assembly Overview ⇒ [page 8](#)
- ◆ Seat Occupied Recognition Assembly Overview ⇒ [page 10](#)

### 1.1 Airbag Component Location Overview



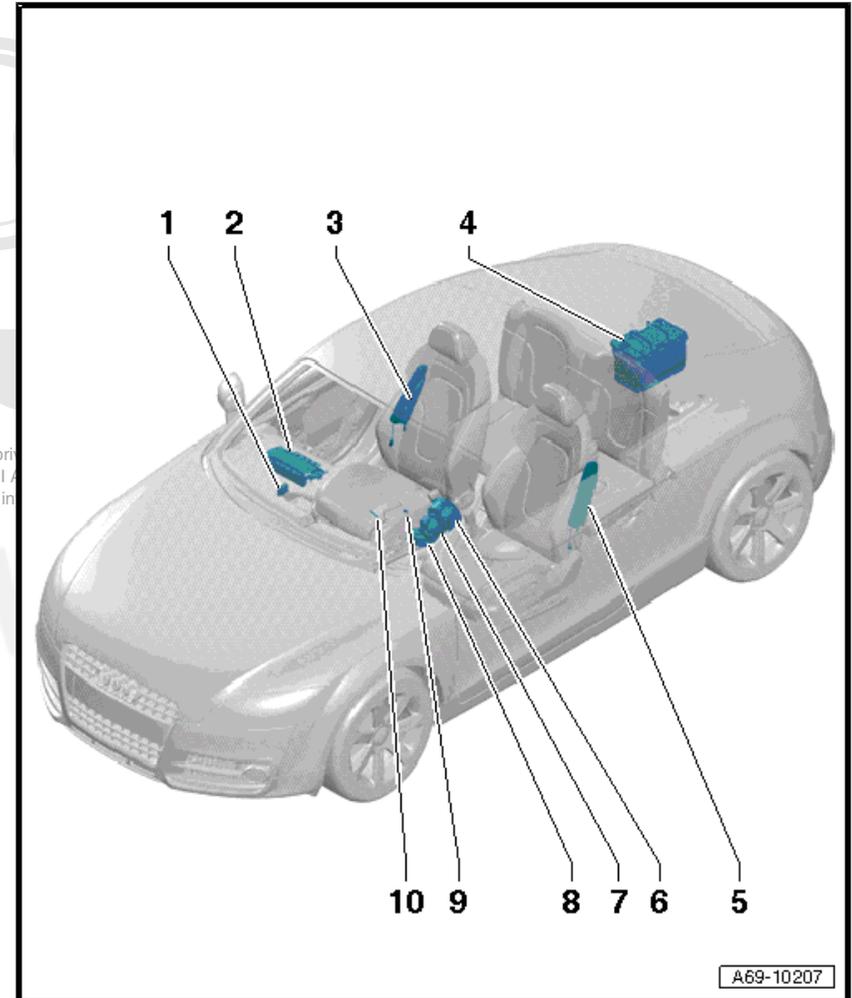
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



- 1 - Front Passenger Airbag -Off- Key Switch -E224-**
- 2 - Front Passenger Airbag Unit**
  - Front Passenger Airbag Igniter 1 -N131-
  - Front Passenger Airbag Igniter 2 -N132-
- 3 - Front Passenger's Side- Side Airbag**
  - Front Passenger Side Airbag Igniter -N200-
- 4 - Battery Interrupt Igniter -N253-**
  - Located on battery cable
- 5 - Front Driver Side - Side Airbag**
  - Driver Side Airbag Igniter -N199-
- 6 - Driver Airbag Unit**
  - Driver Airbag Igniter -N95-
  - Driver Airbag Igniter 2 -N250-
- 7 - Airbag Spiral Spring/Return Spring With Slip Ring -F138-**
- 8 - Airbag Control Module -J234-**
  - Location: On center tunnel
- 9 - Airbag Malfunction Indicator Lamp (MIL) -K75-**
  - Location: in instrument panel
- 10 - Front Passenger Airbag Disabled Indicator Lamp -K145-**
  - Location: in radio/navigation unit

Protected by copyright. Copying for private use is permitted unless authorised by AUDI AG. We assume no responsibility with respect to the correctness of information.



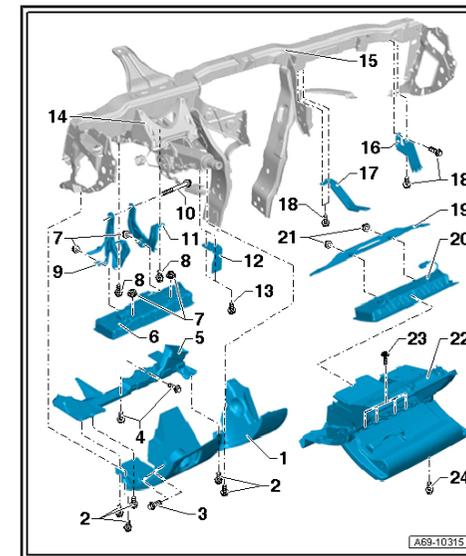
Front Knee Airbags Overview

6 - Driver Knee Airbag Igniter -N295-

20 - Front Passenger Knee Airbag Igniter -N296-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.2 Airbag Crash Sensors Component Location Overview

Vehicles with 1 Crash Sensor for the Front Airbag

### 1 - Front Airbag Crash Sensor -G190-

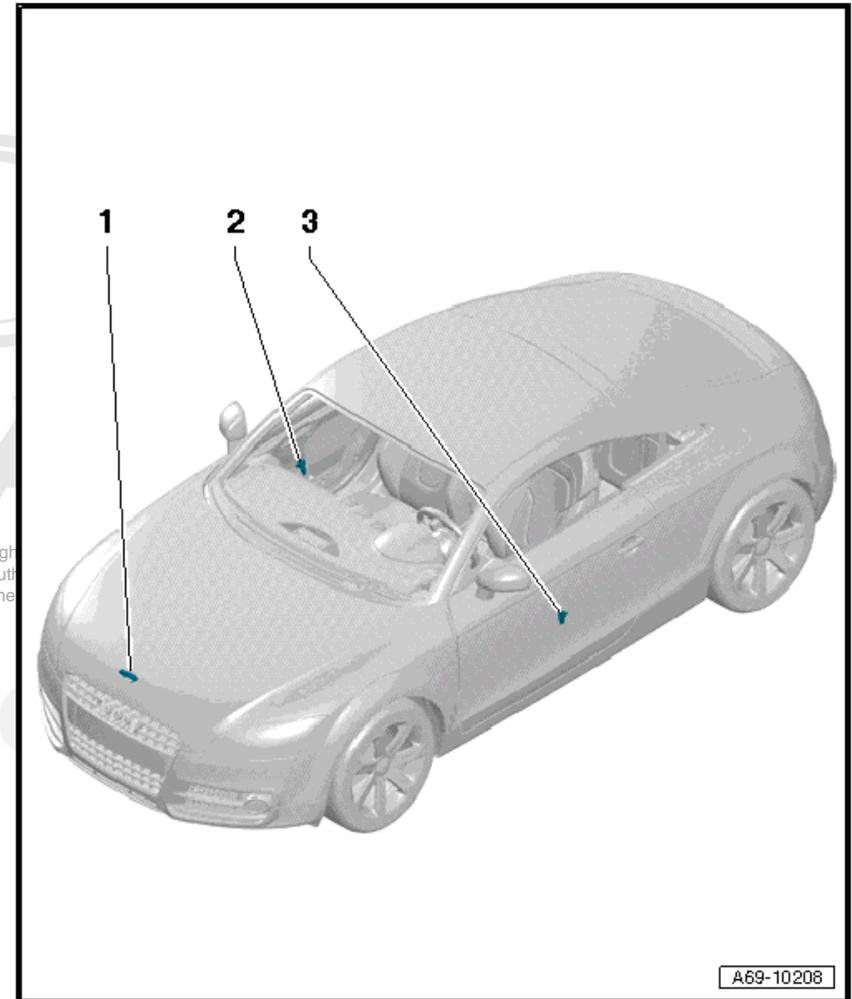
- ❑ Location: at top of lock carrier ⇒ [page 6](#)

### 2 - Front Passenger Side Airbag Crash Sensor -G180-

- ❑ Location: In front door

### 3 - Driver Side Airbag Crash Sensor -G179-

- ❑ Location: In front door



Protected by copyright  
permitted unless auth  
with respect to the

A69-10208

Vehicles with 2 Crash Sensors for the Front Airbag

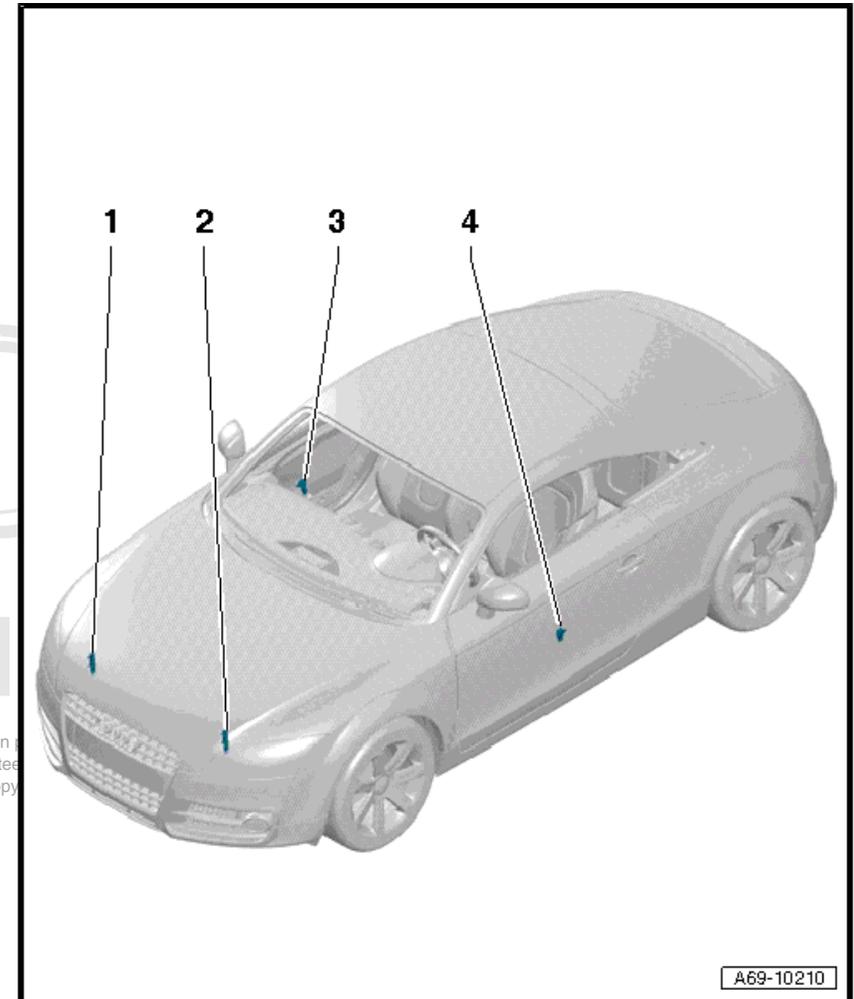
- 1 - Front Passenger Front Airbag Crash Sensor -G284-
  - ❑ Location: at top of lock carrier ⇒ [page 7](#)
- 2 - Driver Front Airbag Crash Sensor -G283-
  - ❑ Location: at top of lock carrier ⇒ [page 7](#)
- 3 - Front Passenger Side Airbag Crash Sensor -G180-
  - ❑ Location: In front door
- 4 - Driver Side Airbag Crash Sensor -G179-
  - ❑ Location: In front door



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the accuracy of information with respect to the correctness of information in this document. Copy

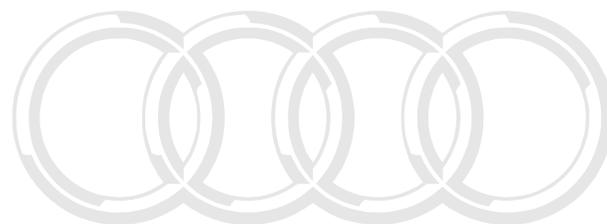
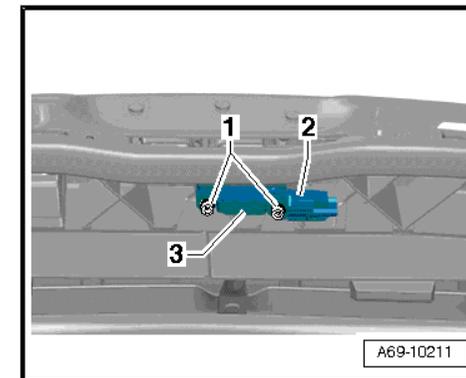
erWin



A69-10210

Single Front Crash Sensor

3 - Front Airbag Crash Sensor -G190-



Audi

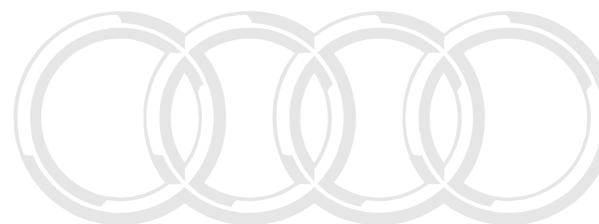
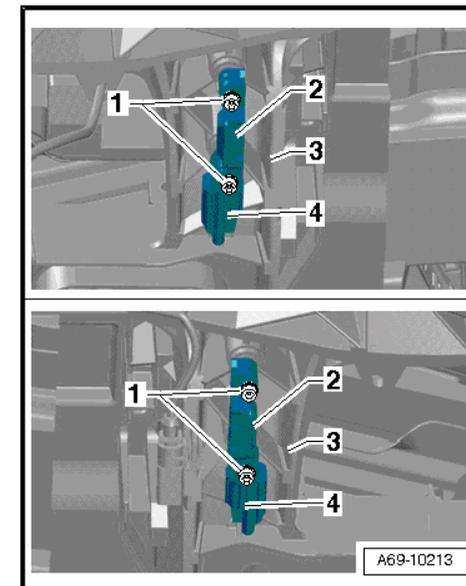
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Double Front Crash Sensors**

2 - Top - Driver Front Airbag Crash Sensor -G283-

2 - Bottom - Passenger Front Airbag Crash Sensor -G284-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.3 Seat Belt Assembly Overview

#### Coupe

**1 - Belt Roller/Belt Tensioner/Switchable Belt Load Limiter**

- Front Passenger Seat Belt Tensioner Igniter 1 -N154- and Front Passenger Belt Force Limiter -G552-
- Driver Seat Belt Tensioner Igniter 1 -N153- and Driver Belt Force Limiter -G551-

**2 - Belt Relay Front Anchorage Point**

**3 - Belt Roller**

- Right Rear Seat Belt (Front Passenger side) Tensioner Igniter -N197-
- Left Rear Seat Belt (Driver side) Tensioner Igniter -N196-

**4 - Belt Relay Rear Anchorage Point**

**5 - Rear Three-Point Seat Belt**

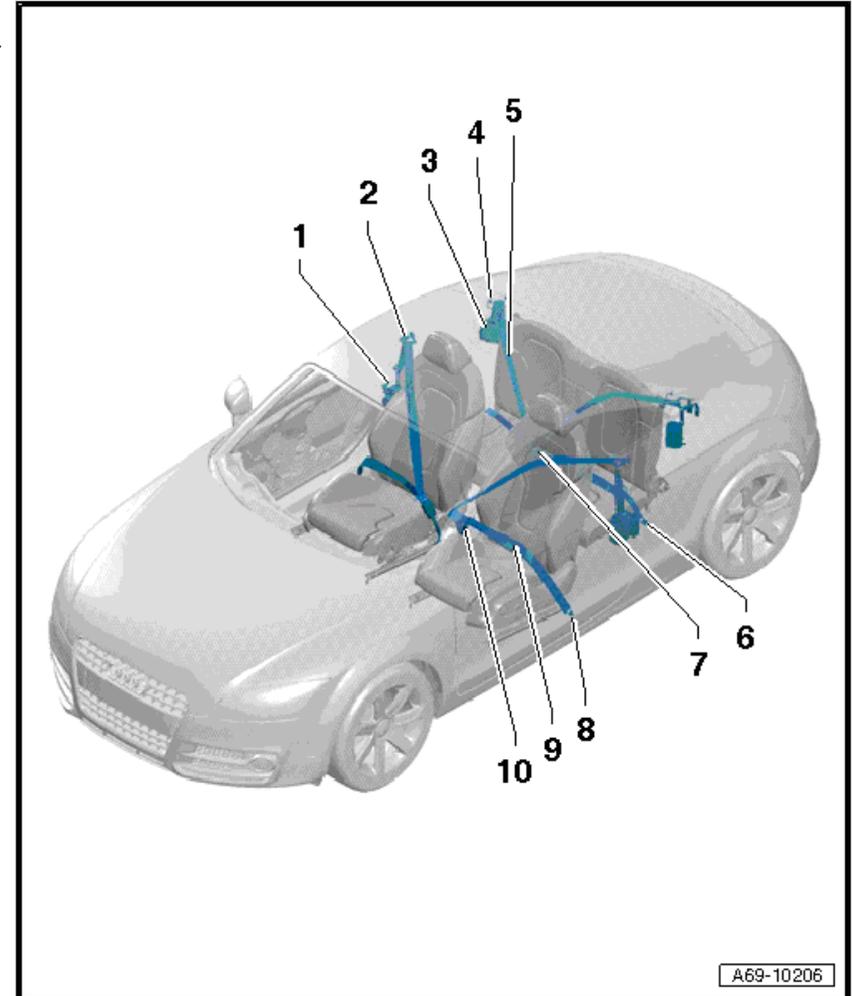
**6 - Rear Outside Floor Assembly Anchorage Point**

**7 - Center Floor Assembly Anchorage Point**

**8 - Outer Front Floor Assembly Anchorage Point**

**9 - Front Three-Point Seat Belt**

**10 - Front Seat Belt Latch Securing Point**



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Roadster**

**1 - Belt Roller/Belt Tensioner/Switchable Belt Load Limiter**

- Front Passenger Seat Belt Tensioner Igniter 1 -N154- and Front Passenger Belt Force Limiter -G552-
- Driver Seat Belt Tensioner Igniter 1 -N153- and Driver Belt Force Limiter -G551-

**2 - Retaining Loop**

**3 - Outside Floor Assembly Anchorage Point**

**4 - Three-Point Seat Belt**

**5 - Seat Belt Latch Anchorage Point**

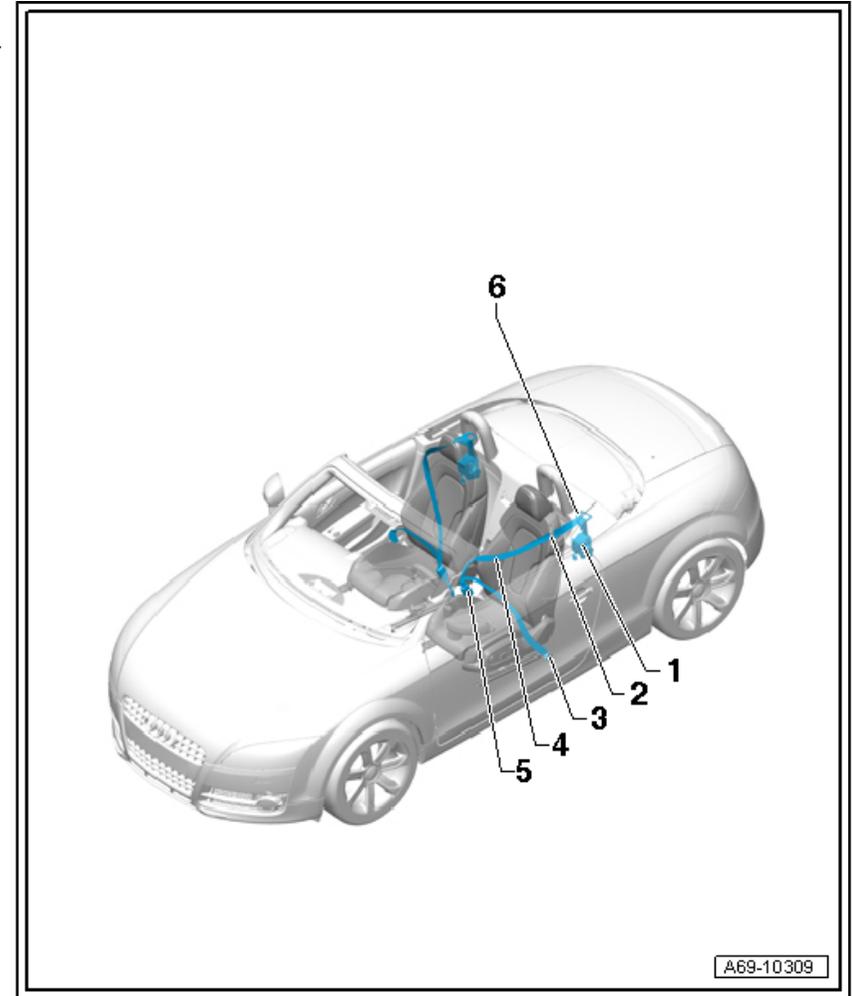
- Passenger latch contains :

**◆ Seat Occupied Recognition Seat Belt Force Sensor -G453-**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted without the written permission of AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**◆ Front Passenger Seat Belt Switch -E25-**

**6 - Belt Guide**



### 1.4 Seat Occupied Recognition Assembly Overview

**1 - Seat Occupied Recognition Pressure Sensor -G452-**

- Is a component with the seat occupied recognition mat

**2 - Seat Pan**

**3 - Retaining Clip**

**4 - Upholstery**

**5 - Retaining Clip**

**6 - Mat**

- For seat occupied recognition
- Is a component with the Seat Occupied Recognition Pressure Sensor -G452-

**7 - Mount**

- For Seat Occupied Recognition Control Module

**8 - Spreader Pin**

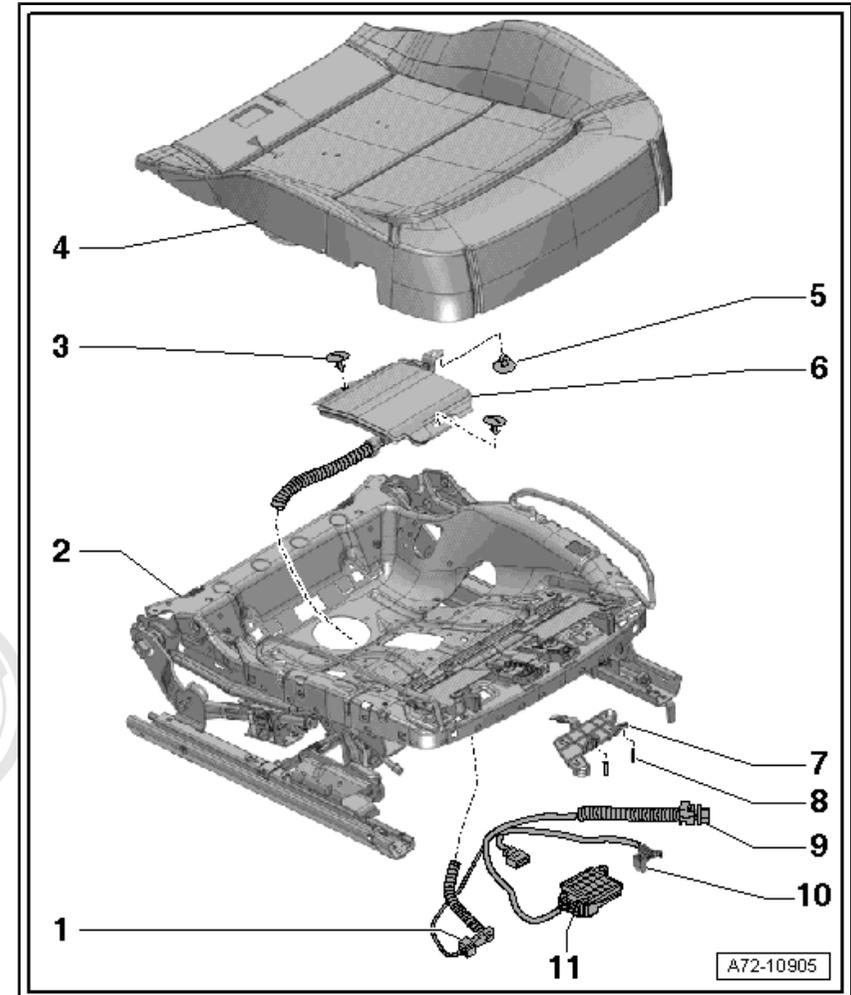
**9 - Electrical Wiring Harness**

- Do not separate from the seat occupied recognition pressure sensor and seat occupied recognition control module

**10 - Front Passenger Seat Position Sensor -G554-**

- Is a component of the electrical wiring harness if equipped

**11 - Seat Occupied Recognition Control Module -J706-**



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Component Locations: Engine Management System

- ◆ 2.0L gasoline BPY Overviews ⇒ [page 4](#)
- ◆ 2.0L gasoline CCTA Overviews ⇒ [page 7](#)
- ◆ 2.0L gasoline CDMA Overviews ⇒ [page 22](#)
- ◆ 2.0L gasoline CETA Overviews ⇒ [page 27](#)
- ◆ 3.2L gasoline BUB, CBRA Overviews ⇒ [page 37](#)
- ◆ Exhaust System Overviews ⇒ [page 50](#)
- ◆ Cooling Fans and Pumps ⇒ [page 52](#)
- ◆ Evap System Overviews ⇒ [page 56](#)
- ◆ Fuel Pump and Sensors ⇒ [page 57](#)
- ◆ Accelerator Pedal Module ⇒ [page 60](#)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

## 1.1 Engine Management System

Select system above or component ID below to navigate to a location view.

<p>Oil pressure switch -F1- / -F22-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">page 12</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 25 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">page 12</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 25 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 19 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">page 49</a></li> </ul>	<p>Fuel pressure sender for low pressure -G410-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 10 (page 4)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 5 (page 22)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 2 (page 34)</a></li> </ul>	<p>Turbocharger air recirculation valve -N249-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 2 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 3 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 17 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 3 (page 27)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 4 (page 35)</a></li> </ul>	<p>Camshaft Position (CMP) Sensor -G40-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 21 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 22 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 23 (page 23)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 22 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 5 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 22 (page 38)</a></li> </ul>
---	---	---	---

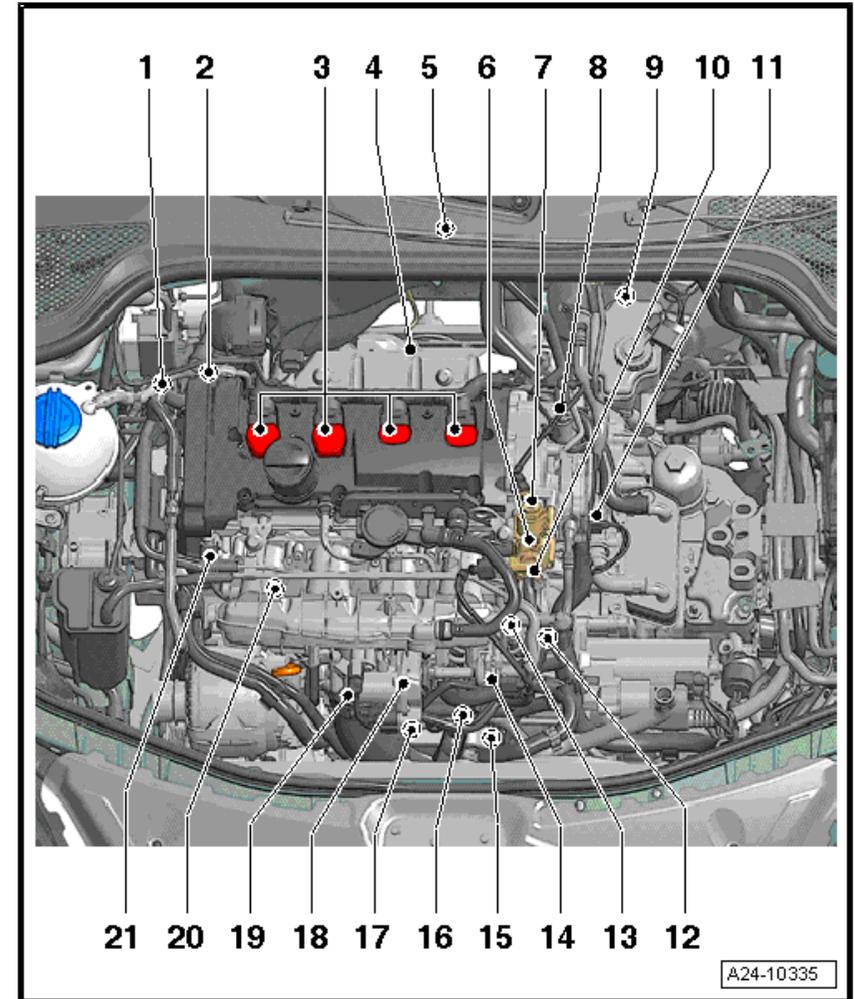
<p>Reduced Oil Pressure Switch -F378-</p> <ul style="list-style-type: none"> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 25 (page 8)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 25 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 21 (page 34)</a></li> </ul>	<p>Intake air temperature sender -G42-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 19 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 19 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 19 (page 22)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 12 (page 34)</a></li> <li>◆ (3.2L BUB, CBRA not shown ) Manifold Absolute Pressure (MAP) Sensor -G71- and Intake air temperature sender -G42-</li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 24 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 12 (page 34)</a></li> </ul>	<p>Fuel pressure regulating valve -N276-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 7 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 8 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 7 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 9 (page 27)</a></li> </ul>	<p>Camshaft Adjustment Valve 1 -N205-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 8 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 1 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 8 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 1 (page 27)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 11 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 21 (page 38)</a></li> </ul>
<p>Fuel pressure sender -G247-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 20 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 23 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 22 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 23 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 17 (page 34)</a></li> </ul>	<p>Knock sensor 1 -G61-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 12 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 20 (page 8)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 20 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 11 (page 35)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 2 (page 37)</a></li> </ul>	<p>Intake Manifold Runner Control (IMRC) Valve -N316-</p> <ul style="list-style-type: none"> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 13 (page 8)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 13 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 1 (page 34)</a></li> </ul>	<p>Camshaft Position (CMP) Sensor 2 -G163-</p> <ul style="list-style-type: none"> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 19 (page 38)</a></li> </ul>
<p>Oil level and oil temperature sender -G266-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">page 21</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">page 21</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">page 21</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">page 21</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">page 36</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">page 48</a></li> </ul>	<p>Coolant temperature sender -G62-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 11 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 21 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 11 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 21 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 3 (page 35)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 23 (page 38)</a></li> </ul>	<p>Oil Pressure Regulation Valve -N428-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">page 13</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 24 (page 8)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 27 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 20 (page 34)</a></li> </ul>	<p>Camshaft Adjustment Valve 1 (exhaust) -N318-</p> <ul style="list-style-type: none"> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 5 (page 35)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 20 (page 38)</a></li> </ul>
<p>Engine speed sender -G28-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 12 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 14 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 12 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 14 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 1 (page 35)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 25 (page 38)</a></li> </ul>	<p>Knock sensor 2 -G66-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 12 (page 5)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 12 (page 22)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 12 (page 35)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 28 (page 38)</a></li> </ul>	<p>Wastegate Bypass Regulator Valve -N75-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 1 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 2 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 1 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 2 (page 27)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 9 (page 35)</a></li> </ul>	<p>Intake Air Temperature (IAT) Sensor 2 -G299-</p> <ul style="list-style-type: none"> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 10 (page 7)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 14 (page 34)</a></li> </ul>

<p>Charge air pressure sender -G31-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 15 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 15 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 14 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 15 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 14 (page 34)</a></li> </ul>	<p>Mass Air Flow (MAF) Sensor -G70-</p> <ul style="list-style-type: none"> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 10 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 10 (page 22)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 14 (page 37)</a></li> </ul>	<p>Heater element for crankcase breather -N79-</p> <ul style="list-style-type: none"> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 10 (page 37)</a></li> </ul>	<p>Intake Flap Motor -V157-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 13 (page 5)</a></li> </ul> <p>Intake Air Switch-Over valve -N335-</p> <ul style="list-style-type: none"> <li>◆ 2.0L CDMA only ⇒ <a href="#">Item 10 (page 6)</a></li> </ul>
<p>Intake Manifold Runner Position Sensor -G336-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 13 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 26 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 13 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 26 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 13 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA</li> </ul>	<p>Throttle valve module -J338-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 18 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 17 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 18 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 17 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 15 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 12 (page 37)</a></li> </ul>	<p>Evaporative Emission Canister Purge Regulator Valve 1 -N80-</p> <ul style="list-style-type: none"> <li>◆ 2.0L BPY ⇒ <a href="#">Item 14 (page 5)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 18 (page 8)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 16 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 18 (page 28)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 22 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 3 (page 37)</a></li> </ul>	<p>Secondary Air Injection (AIR) Pump Motor -V101-</p> <ul style="list-style-type: none"> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 27 (page 38)</a></li> </ul>
<p>Ignition Coils with Power Output Stages</p> <ul style="list-style-type: none"> <li>◆ Ignition Coil 1 -N70-</li> <li>◆ Ignition Coil 2 -N127-</li> <li>◆ Ignition Coil 3 -N291-</li> <li>◆ Ignition Coil 4 -N292-</li> <li>◆ Ignition Coil 5 -N323-</li> <li>◆ Ignition Coil 6 -N324-</li> <li>◆ 2.0L BPY ⇒ <a href="#">Item 3 (page 4)</a></li> <li>◆ 2.0L CCTA ⇒ <a href="#">Item 4 (page 7)</a></li> <li>◆ 2.0L CDMA ⇒ <a href="#">Item 2 (page 22)</a></li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 5 (page 27)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 7 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 11 (page 37)</a></li> </ul>	<p>Fuel Injectors</p> <ul style="list-style-type: none"> <li>◆ Cylinder 1 Fuel Injector -N30-</li> <li>◆ Cylinder 2 Fuel Injector -N31-</li> <li>◆ Cylinder 3 Fuel Injector -N32-</li> <li>◆ Cylinder 4 Fuel Injector -N33-</li> <li>◆ Cylinder 5 Fuel Injector -N83-</li> <li>◆ Cylinder 6 Fuel Injector -N84-</li> <li>◆ 2.0L BPY ⇒ <a href="#">Item 17 (page 5)</a></li> <li>◆ 2.5L CEPB ⇒ <a href="#">Item 3 (page 34)</a></li> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 30 (page 38)</a></li> </ul>	<p>Intake Manifold Tuning (IMT) Valve -N156-</p> <ul style="list-style-type: none"> <li>◆ 3.2L BUB, CBRA ⇒ <a href="#">Item 26 (page 38)</a></li> </ul>	<p>Cam adjustment actuators</p> <ul style="list-style-type: none"> <li>◆ Cam adjustment actuator 1 -F366-</li> <li>◆ Cam adjustment actuator 2 -F367-</li> <li>◆ Cam adjustment actuator 3 -F368-</li> <li>◆ Cam adjustment actuator 4 -F369-</li> <li>◆ Cam adjustment actuator 5 -F370-</li> <li>◆ Cam adjustment actuator 6 -F371-</li> <li>◆ Cam adjustment actuator 7 -F372-</li> <li>◆ Cam adjustment actuator 8 -F373-</li> <li>◆ 2.0L CETA ⇒ <a href="#">Item 4 (page 27)</a></li> </ul>

Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © 2010 Audi AG

**1.2 2.0L gasoline BPY Overview**

- 1 - Wastegate Bypass Regulator Valve -N75- → [page 20](#)**
- 2 - Turbocharger Recirculating Valve -N249- → [page 20](#)**
- 3 - Ignition Coils with Power Output Stages**
  - Ignition Coil 1 with Power Output Stage -N70-
  - Ignition Coil 2 with Power Output Stage -N127-
  - Ignition Coil 3 with Power Output Stage -N291-
  - Ignition Coil 4 with Power Output Stage -N292-
- 4 - Heated Oxygen Sensor (HO2S) -G39- with Oxygen Sensor (O2S) Heater -Z19- → [Item 13 \(page 50\)](#)**
- 5 - Engine Control Module (ECM) -J623-**
- 6 - Single Piston High Pressure Pump**
- 7 - Fuel Pressure Regulator Valve -N276- → [page 9](#)**
- 8 - Camshaft Adjustment Valve 1 -N205- → [page 14](#)**
- 9 - Harness Connector for Heated Oxygen Sensor (HO2S)**
- 10 - Low Fuel Pressure Sensor -G410- → [Item 7 \(page 6\)](#)**
- 11 - Engine Coolant Temperature (ECT) Sensor -G62- → [page 18](#)**



Cont.

**12 - Engine Speed (RPM) Sensor -G28-**

- Oil Pressure Sensor -G10-
- Electrical connectors Knock Sensor 1 -G61- and Knock Sensor 2 -G66- ⇒ [page 15](#)

**13 - Intake Flap Motor -V157- with Intake Manifold Runner Position Sensor -G336- ⇒ [Item 10 \(page 6\)](#)**

**14 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-**

**15 - Charge Air Pressure Sensor -G31- ⇒ [page 19](#)**

**16 - Connector**

- For Camshaft Position (CMP) Sensor -G40- and Fuel Pressure Sensor -G247-

**17 - Fuel Injector 8-Pin Harness Connector ⇒ [page 17](#)**

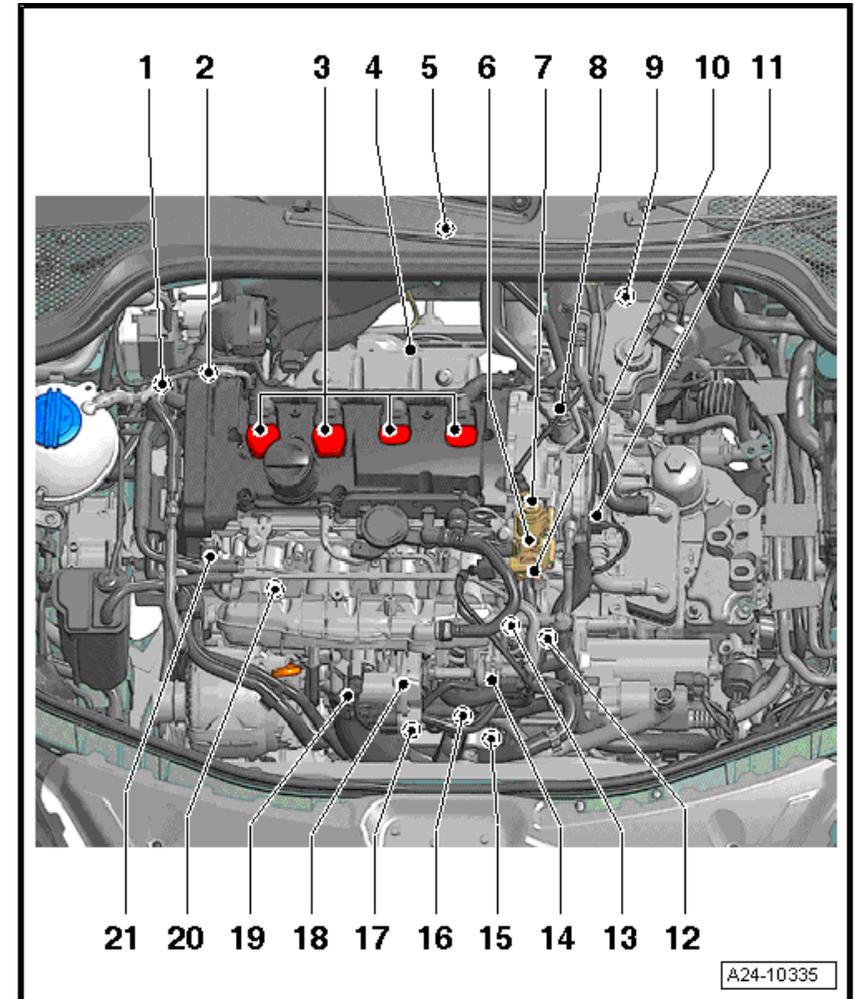
**18 - Throttle Valve Control Module -J338- , Throttle Drive (for Electronic Power Control (EPC)) -G186-**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for errors in this document. Copyright by AUDI AG.

**19 - Intake Air Temperature (IAT) Sensor -G42-**

**20 - Fuel Pressure Sensor -G247- ⇒ [page 11](#)**

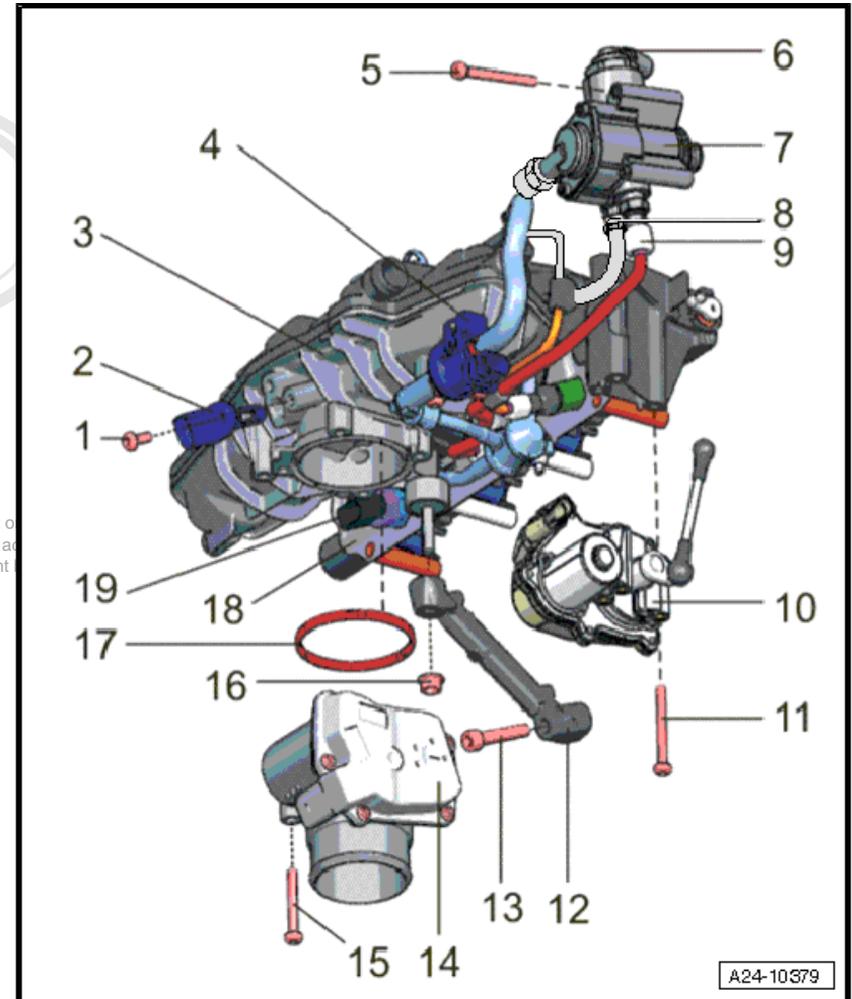
**21 - Camshaft Position (CMP) Sensor -G40-**



Intake Manifold Assembly Overview

- 2 - Intake Air Temperature (IAT) Sensor -G42-
- 4 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-
- 6 - Fuel Pressure Regulator Valve -N276- ⇒ [page 9](#)
- 7 - Mechanical Single-Piston High-Pressure Pump with Low Fuel Pressure Sensor -G410-
- 10 - Intake Flap Motor -V157- with Intake Manifold Runner Position Sensor -G336-  
  - CDMA only : Intake Air Switch-Over valve -N335-
- 14 - Throttle Valve Control Module -J338- with Throttle Drive (for Electronic Power Control (EPC)) -G186-
- 19 - Fuel Pressure Sensor -G247- ⇒ [page 11](#)

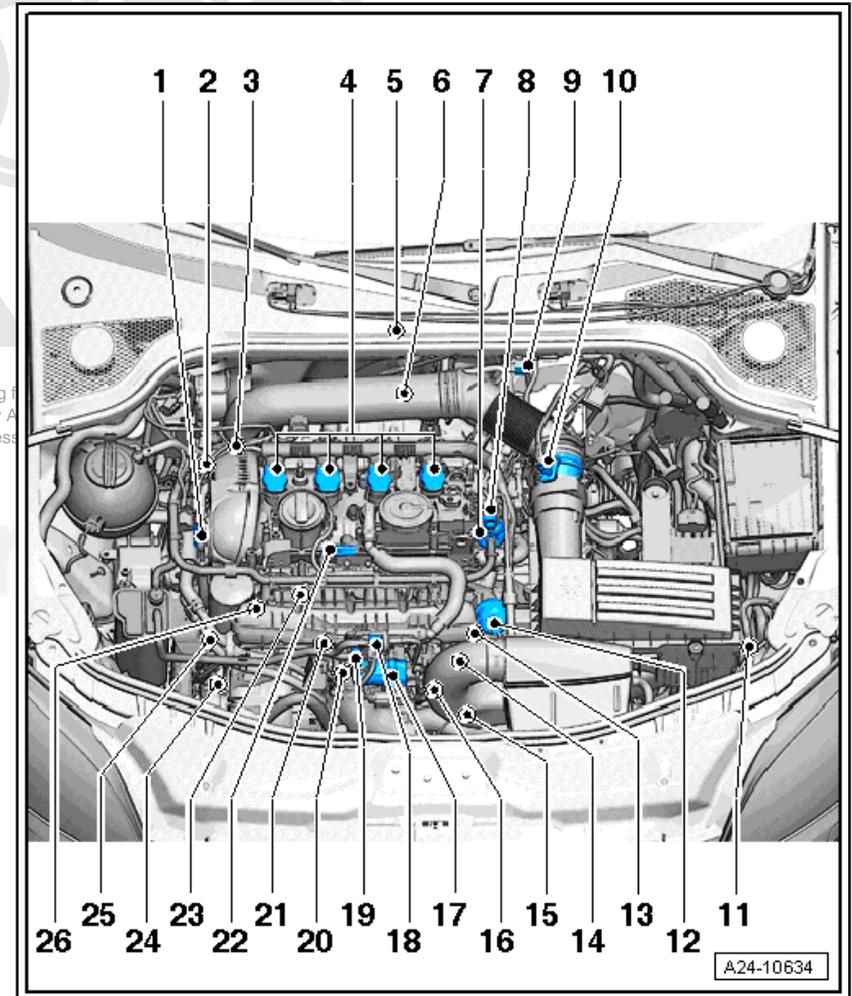
Protected by copyright. Copying for private or commercial purposes, in part or in full, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright © 2010 Audi AG



1.3 2.0L gasoline CCTA Overviews

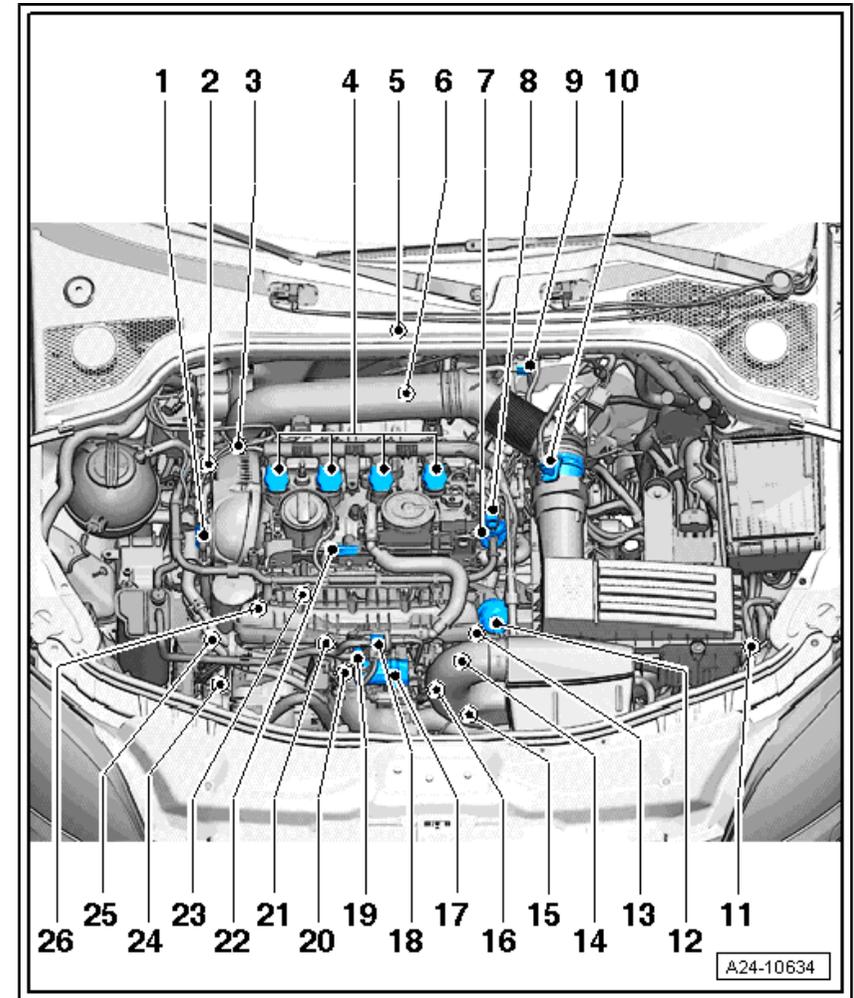
- 1 - Camshaft Adjustment Valve 1 -N205- ⇒ [page 14](#)
- 2 - Wastegate Bypass Regulator Valve -N75- ⇒ [page 20](#)
- 3 - Turbocharger Recirculating Valve -N249- ⇒ [page 20](#)
- 4 - Ignition Coils with Power Output Stages
  - ❑ Ignition Coil 1 with Power Output Stage -N70-
  - ❑ Ignition Coil 2 with Power Output Stage -N127-
  - ❑ Ignition Coil 3 with Power Output Stage -N291-
  - ❑ Ignition Coil 4 with Power Output Stage -N292-
- 5 - Engine Control Module (ECM) -J623-
- 6 - Heated oxygen sensor -G39- ⇒ [page 50](#)
- 7 - Mechanical Single-Piston High-Pressure Pump
- 8 - Fuel Pressure Regulator Valve -N276- ⇒ [page 9](#)
- 9 - Electrical connector from Heated Oxygen Sensor (HO2S) -G39-
- 10 - Mass Air Flow (MAF) Sensor -G70- and Intake Air Temperature (IAT) Sensor 2 -G299-

Protected by copyright. Copying is not permitted unless authorised by Audi AG with respect to the correctness of the information.



Cont.

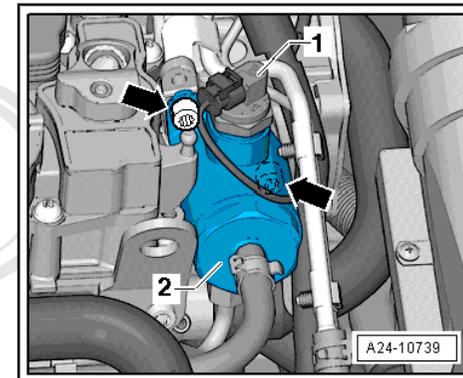
- 11 - Engine Coolant Temperature (ECT) Sensor (on Radiator) -G83- ⇒ [page 53](#)
- 12 - Vacuum Diaphragm for the Intake Manifold Flap ⇒ [page 10](#)
- 13 - Intake Manifold Runner Control (IMRC) Valve -N316- ⇒ [page 10](#)
- 14 - Engine Speed (RPM) Sensor -G28- ⇒ [page 15](#)
- 15 - Charge Air Pressure Sensor -G31- ⇒ [page 19](#)
- 16 - Electrical Harness Connectors ⇒ [page 17](#)
  - For Knock Sensor 1 -G61- and Camshaft Position (CMP) Sensor -G40-
- 17 - Throttle Valve Control Module -J338-
- 18 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-
- 19 - Intake Air Temperature (IAT) Sensor -G42- For commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.
- 20 - Knock Sensor 1 -G61-
  - Located below the intake manifold behind the coolant pump
- 21 - Engine Coolant Temperature (ECT) Sensor -G62- ⇒ [page 18](#)
- 22 - Camshaft Position (CMP) Sensor -G40- ⇒ [page 16](#)
- 23 - Fuel Pressure Sensor -G247- ⇒ [page 11](#)
- 24 - Oil Pressure Regulation Valve -N428- ⇒ [page 13](#)
- 25 - Oil Pressure Switch ⇒ [page 12](#)
  - Reduced Oil Pressure Switch -F378-
  - Oil Pressure Switch -F22-
- 26 - Intake Manifold Runner Position Sensor -G336-



**High Pressure Fuel Pump**

1 - Fuel Pressure Regulator Valve -N276-

2 - High Pressure Fuel Pump

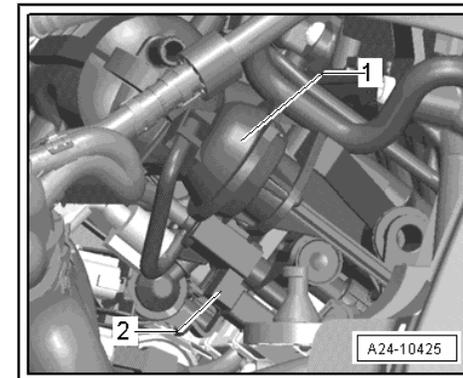


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Intake Manifold Runner Control (IMRC) Valve**

- 1 - Intake manifold flap vacuum diaphragm
- 2 - Intake Manifold Runner Control (IMRC) Valve -N316-

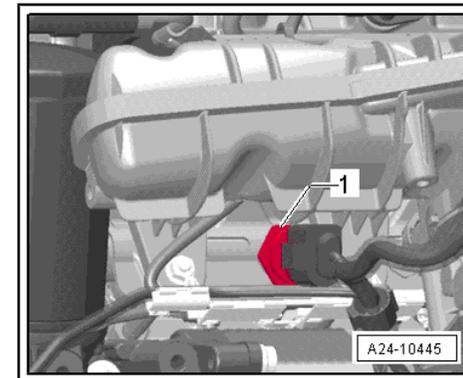


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Fuel Pressure Sensor

1 - Fuel Pressure Sensor -G247-



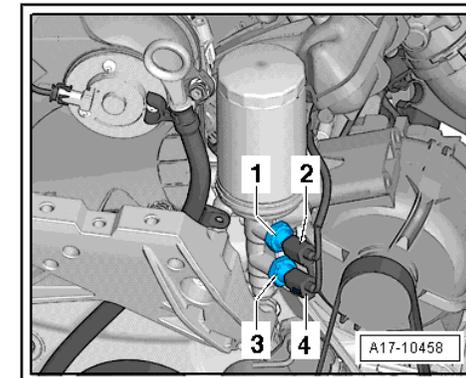
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Oil Pressure Switch**

1 - Reduced Oil Pressure Switch -F378-

3 - Oil Pressure Switch -F22- / -F1-

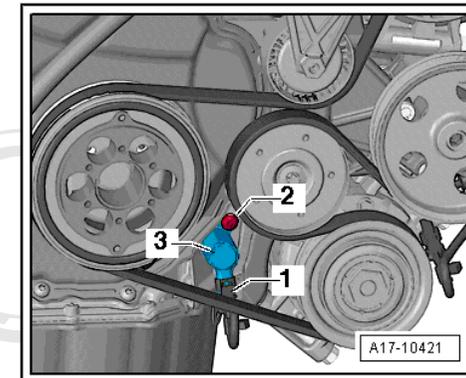


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Oil Pressure Regulation Valve

3 - Oil Pressure Regulation Valve -N428-

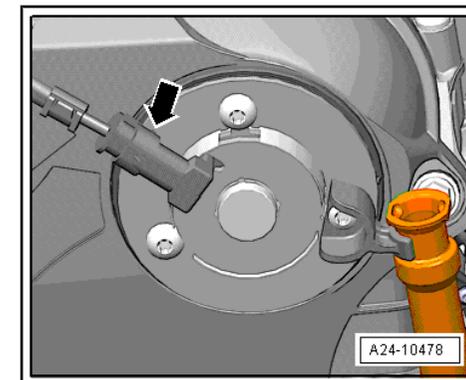


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Camshaft Adjustment Valve 1

-ARROW- Camshaft Adjustment Valve 1 -N205-

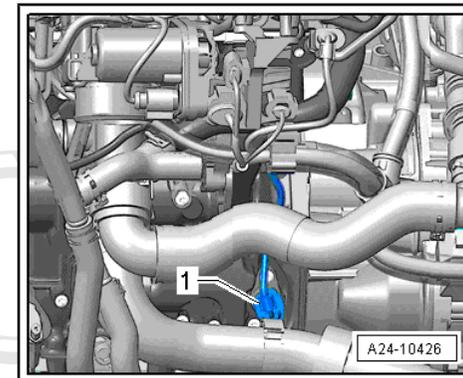


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Engine Speed (RPM) Sensor

1 - Engine Speed (RPM) Sensor -G28-



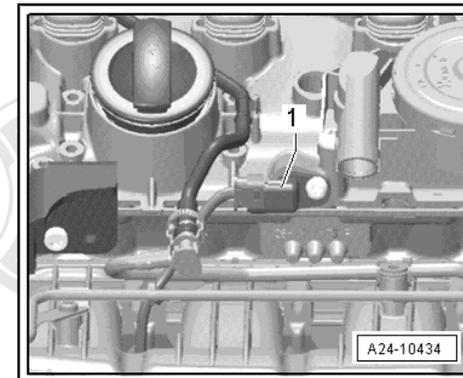
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin

**Camshaft Position (CMP) Sensor**

1 - Camshaft Position (CMP) Sensor -G40-



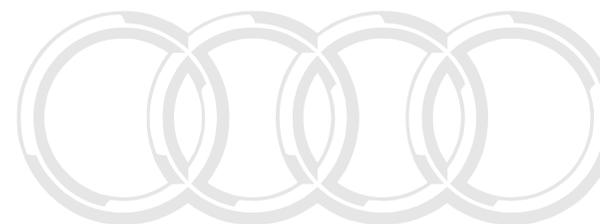
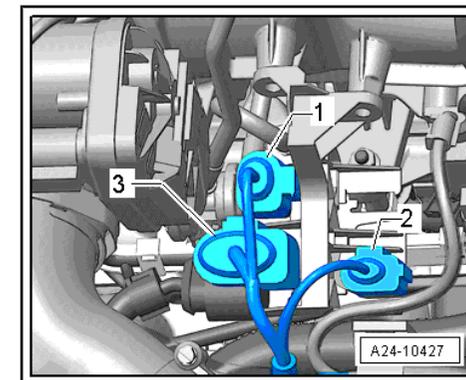
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Electrical Harness Connectors**

1 - From Camshaft Position (CMP) Sensor -G40- and Intake Manifold Runner Position Sensor -G336-

2 - From Knock Sensor 1 -G61- The sensor is located below the intake manifold behind the coolant pump

3 - 8-pin harness connector for fuel injectors



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



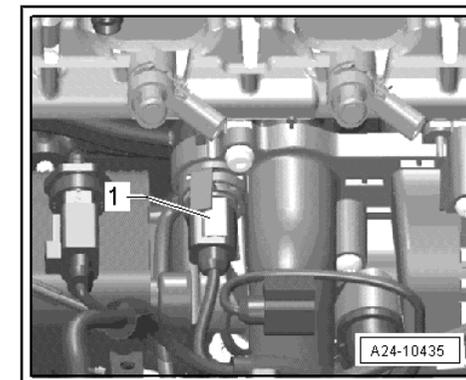
Engine Coolant Temperature (ECT) Sensor

1 - Engine Coolant Temperature (ECT) Sensor -G62-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



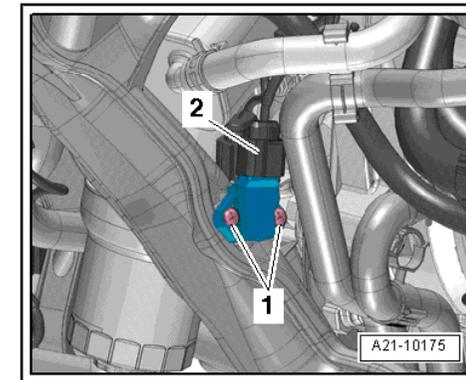
Charge Air Pressure Sensor

2 - Charge Air Pressure Sensor -G31-



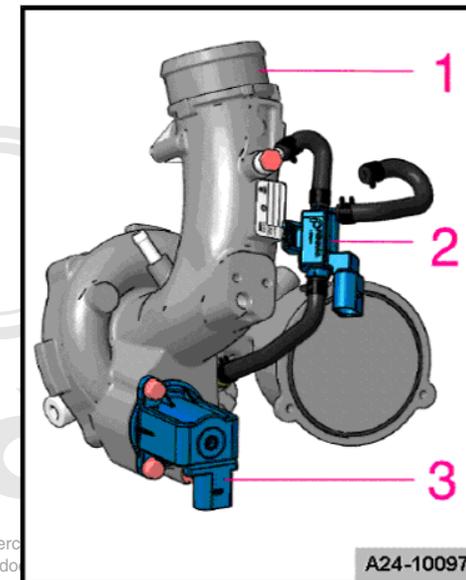
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Components on Turbocharger

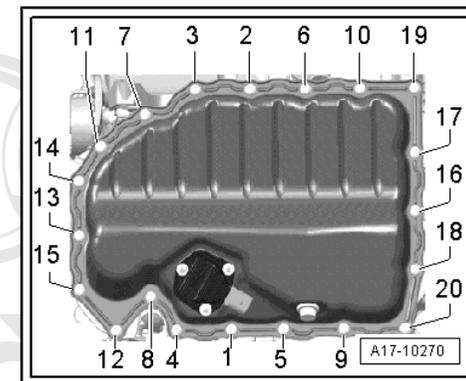
- 1 - Turbocharger Assembly
- 2 - Wastegate Bypass Regulator Valve -N75-
- 3 - Turbocharger Recirculating Valve -N249-



Protected by copyright. Copying for private or commercial use is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Oil Level Thermal Sensor**

Oil Level Thermal Sensor -G266- located in bottom of oil pan



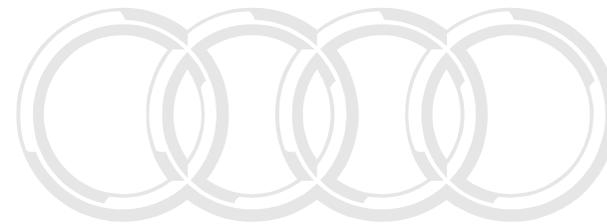
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.





22 - Fuel pressure sensor -G247- ⇒ [page 11](#)

23 - Camshaft position sensor -G40- ⇒ [page 16](#)



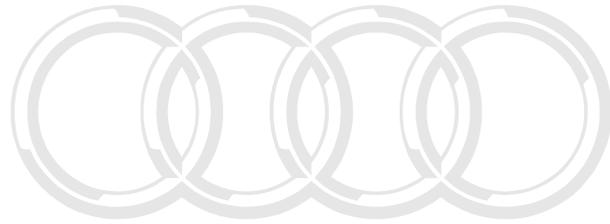
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Engine Coolant Temperature Sensor**

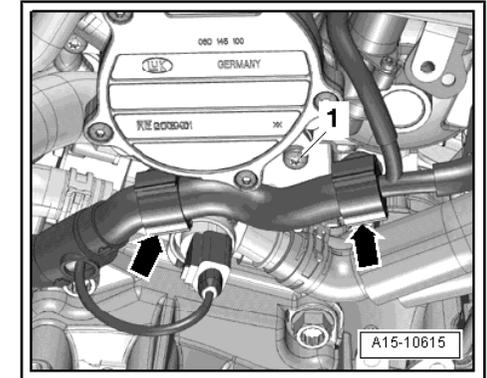
Engine coolant temperature sensor -G62-



Audi

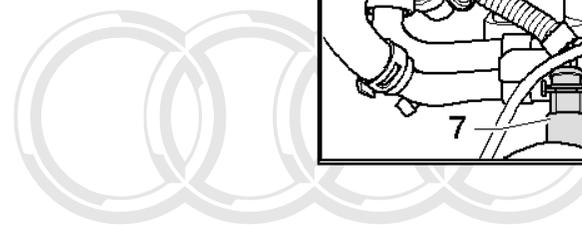
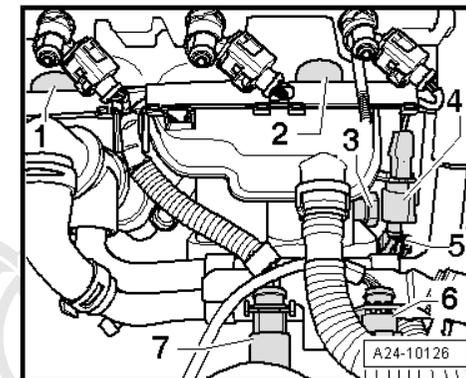
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 



**Component Locations Under Intake Manifold**

- 1 - Knock sensor 1 -G61-
- 2 - Knock sensor 2 -G66-
- 3 - Oil pressure switch -F1-
- 4 - 3-pin harness connector (brown) for Knock sensor 2 -G66-
- 5 - 3-pin connector (gray) for Engine speed sensor -G28-
- 6 - Electrical connector for Camshaft position sensor -G40- and Fuel pressure sensor -G247-
- 7 - 8-pin harness connector for fuel injectors



Audi

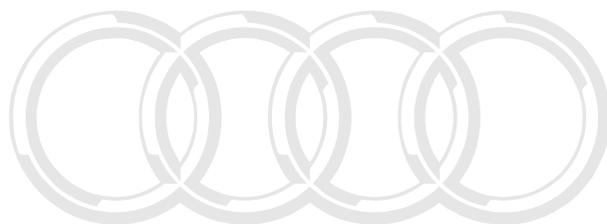
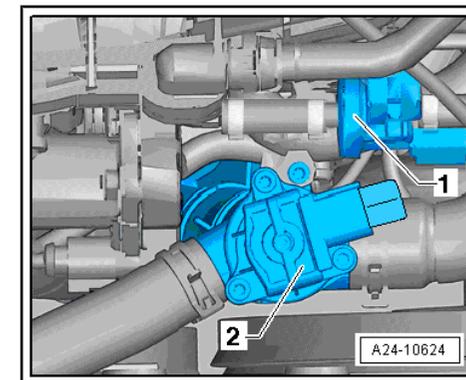
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Turbocharger Recirculating Valve Engine Code CDMA**

1 - EVAP canister purge regulator valve 1 -N80-

2 - Turbocharger recirculation valve -N249-



Audi

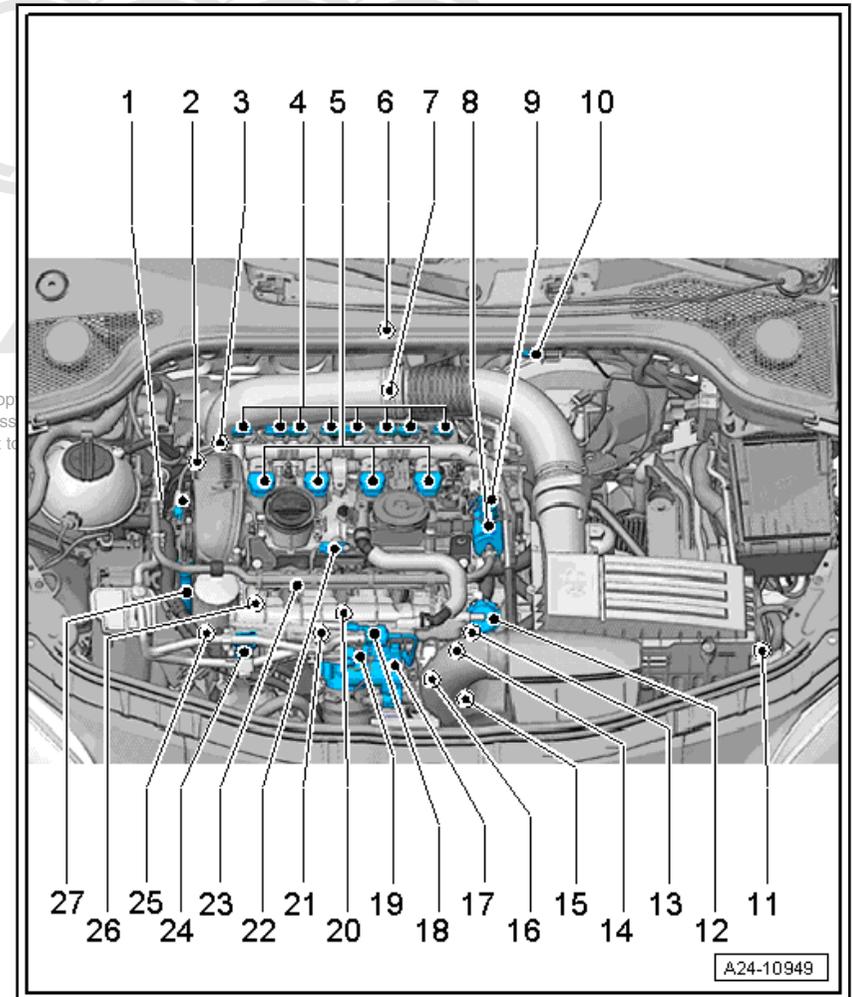
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



1.5 2.0L gasoline CETA Overviews

- 1 - Camshaft adjustment valve 1 -N205- ⇒ [page 14](#)
- 2 - Wastegate bypass regulator valve -N75- ⇒ [page 20](#)
- 3 - Turbocharger recirculation valve -N249- ⇒ [page 20](#)
- 4 - Cam adjustment actuators
  - ❑ Cam adjustment actuator 1 -F366-
  - ❑ Cam adjustment actuator 2 -F367-
  - ❑ Cam adjustment actuator 3 -F368-
  - ❑ Cam adjustment actuator 4 -F369-
  - ❑ Cam adjustment actuator 5 -F370-
  - ❑ Cam adjustment actuator 6 -F371-
  - ❑ Cam adjustment actuator 7 -F372-
  - ❑ Cam adjustment actuator 8 -F373-
  - ❑ Component location
- 5 - Ignition coils with power output stage ⇒ [page 32](#)
  - ❑ Ignition coil 1 with power output stage -N70-
  - ❑ Ignition coil 2 with power output stage -N127-
  - ❑ Ignition coil 3 with power output stage -N291-
  - ❑ Ignition coil 4 with power output stage -N292-
- 6 - Engine control module -J623-
- 7 - Heated oxygen sensor -G39- ⇒ [Item 13 \(page 50\)](#)
- 8 - High-pressure pump ⇒ [page 29](#)
- 9 - Fuel pressure regulator valve -N276- ⇒ [page 29](#)
- 10 - Electrical connector for Heated oxygen sensor -G39-

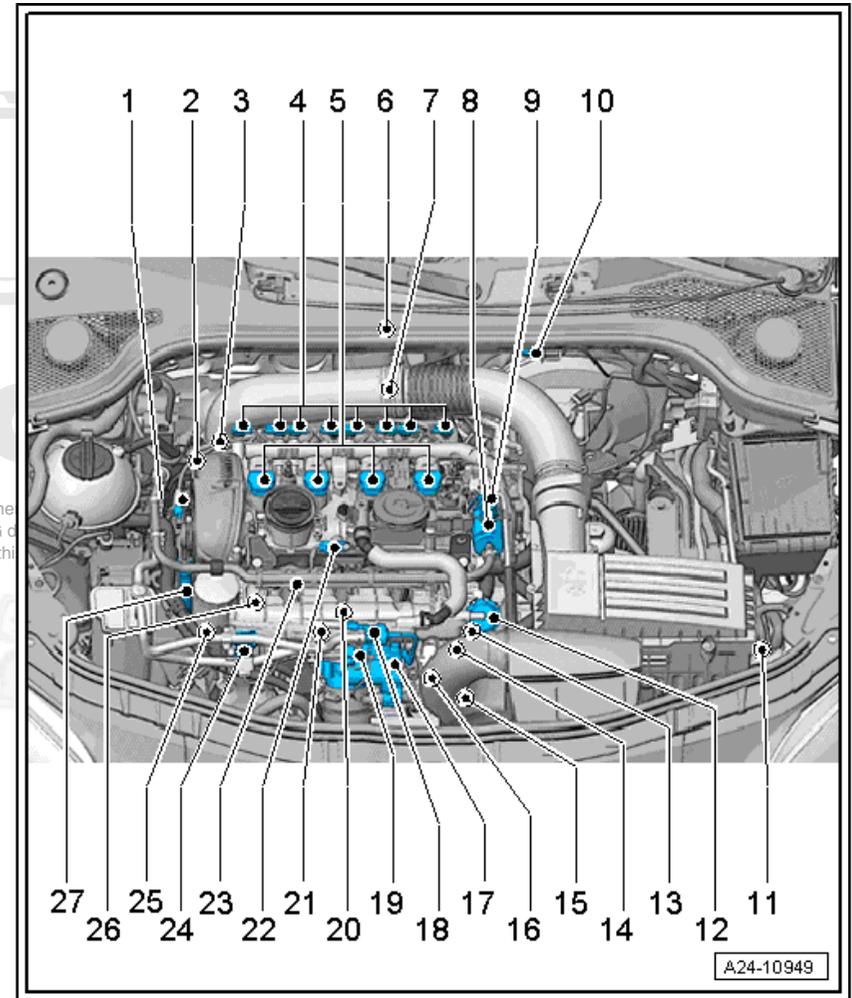
Protected by copyright  
permitted unless  
with respect to



Cont:

- 11 - Engine coolant temperature sensor on radiator -G83- ⇒ [page 53](#)
- 12 - Vacuum Diaphragm for the Intake Manifold Flap ⇒ [page 10](#)
- 13 - Intake manifold runner control valve -N316- ⇒ [page 10](#)
- 14 - Engine speed sensor -G28- ⇒ [page 15](#)
- 15 - Charge air pressure sensor -G31- ⇒ [page 19](#)
- 16 - Electrical connectors
  - ❑ For Knock sensor 1 -G61-
  - ❑ For Camshaft position sensor -G40-
- 17 - Throttle valve control module -J338-
- 18 - EVAP canister purge regulator valve 1 -N80- ⇒ [page 30](#)
- 19 - Intake air temperature sensor -G42-
- 20 - Knock sensor 1 -G61- ⇒ [page 31](#)
- 21 - Engine coolant temperature sensor -G62- ⇒ [page 18](#)
- 22 - Camshaft position sensor -G40- ⇒ [page 16](#)
- 23 - Fuel pressure sensor -G247- ⇒ [page 33](#)
- 24 - Manifold absolute pressure sensor -G71- ⇒ [page 33](#)
- 25 - Oil pressure switches ⇒ [page 12](#)
  - ❑ Reduced oil pressure switch -F378-
  - ❑ Oil pressure switch -F22-
- 26 - Intake manifold runner position sensor -G336-
- 27 - Oil pressure regulation valve -N428- ⇒ [page 13](#)

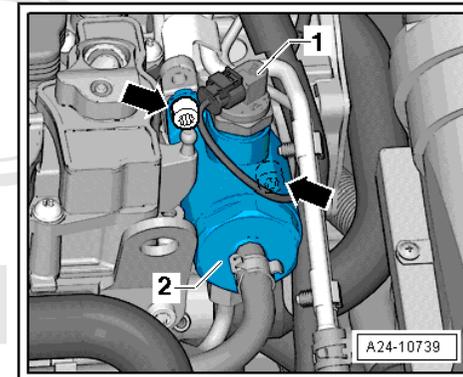
Protected by copyright. Copying for private or commercial use is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document.



**High pressure pump**

1 - Fuel pressure regulator valve -N276-

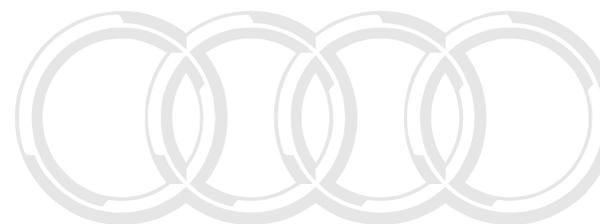
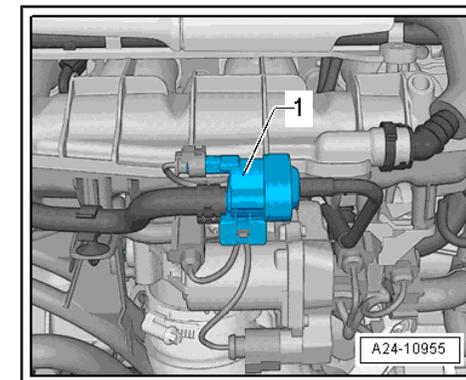
2 - High pressure pump



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

EVAP canister purge valve

1 - EVAP canister purge regulator valve 1 -N80-



Audi

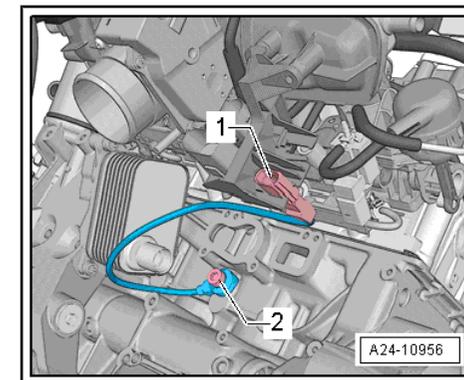
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Knock sensor 1**

- Connector for Knock sensor 1 -G61-

2 - Knock sensor 1 -G61-



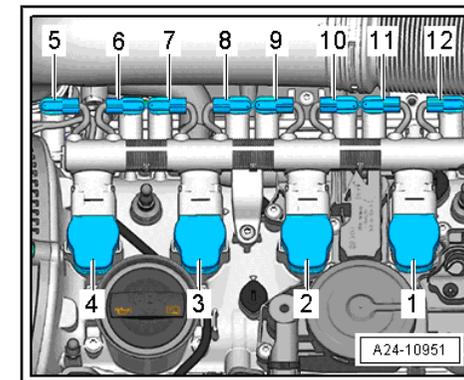
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Ignition coils**

- 1 - Ignition coil 1 with power output stage -N70-
- 2 - Ignition coil 2 with power output stage -N127-
- 3 - Ignition coil 3 with power output stage -N291-
- 4 - Ignition coil 4 with power output stage -N292-
- 5 - Cam adjustment actuator 2 -F367- (for cylinder 1)
- 6 - Cam adjustment actuator 1 -F366- (for cylinder 1)
- 7 - Cam adjustment actuator 3 -F368- (for cylinder 2)
- 8 - Cam adjustment actuator 4 -F369- (for cylinder 2)
- 9 - Cam adjustment actuator 6 -F371- (for cylinder 3)
- 10 - Cam adjustment actuator 5 -F370- (for cylinder 3)
- 11 - Cam adjustment actuator 7 -F372- (for cylinder 4)
- 12 - Cam adjustment actuator 8 -F373- (for cylinder 4)



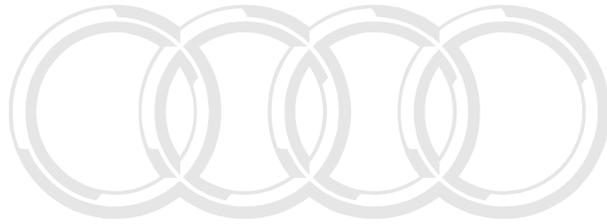
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**MAP and fuel pressure sensors**

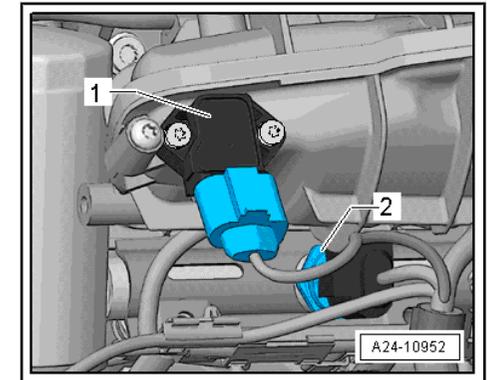
1 - Manifold absolute pressure sensor -G71-

2 - Fuel pressure sensor -G247-



Audi

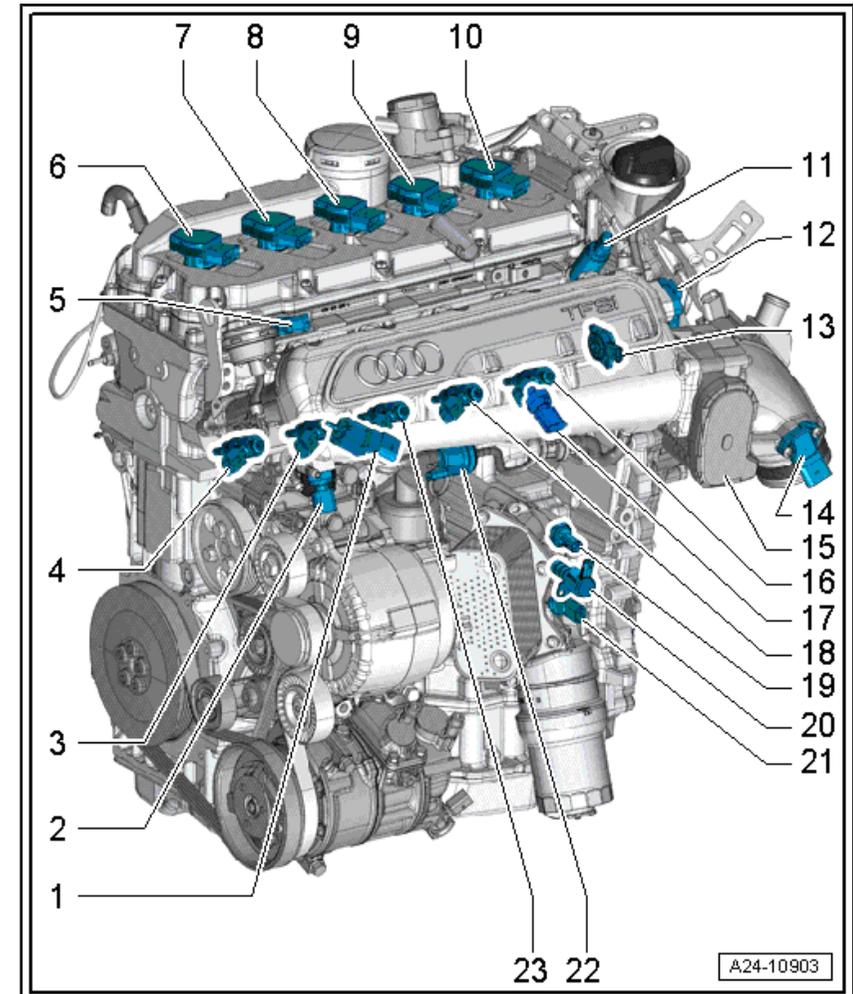
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



1.6 2.5L CEPB Overviews

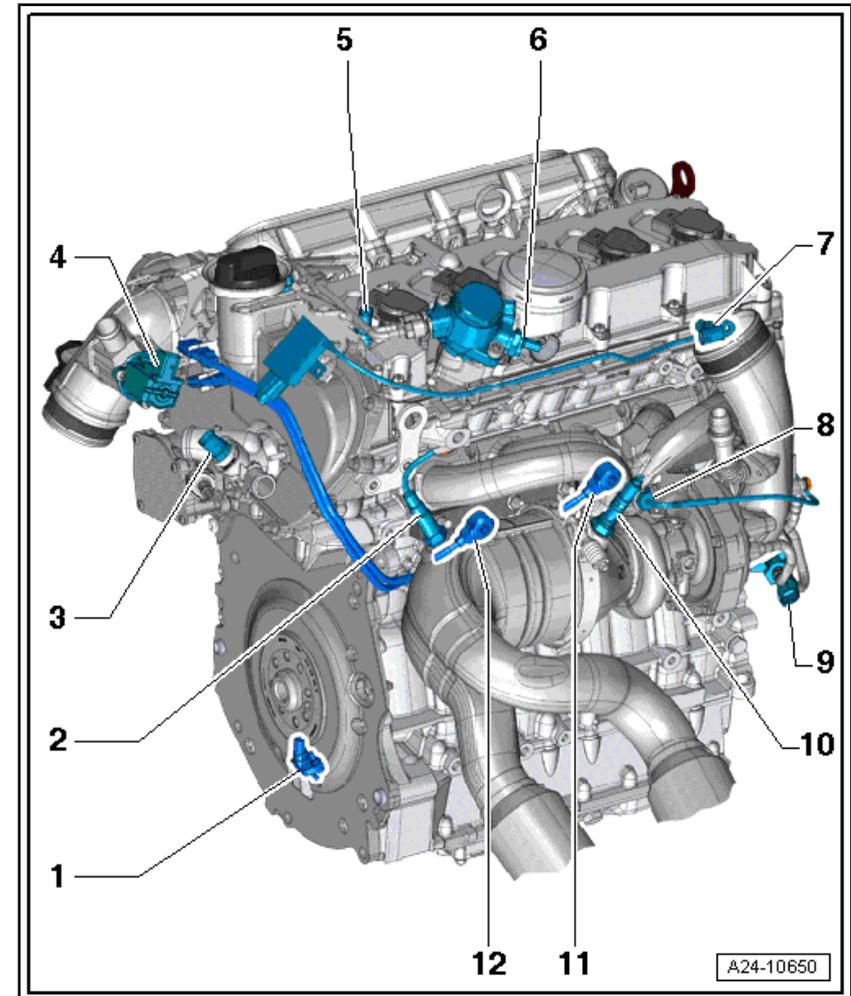
1.6.1 Engine (intake side)

- 1 - Intake manifold runner control valve -N316-
- 2 - Low fuel pressure sensor -G410-
- 3 - Cylinder 2 fuel injector -N31-
- 4 - Cylinder 1 fuel injector -N30-
- 5 - Camshaft position sensor -G40-
- 6 - Ignition coil 1 with power output stage -N70-
- 7 - Ignition coil 2 with power output stage -N127-
- 8 - Ignition coil 3 with power output stage -N291-
- 9 - Ignition coil 4 with power output stage -N292-
- 10 - Ignition coil 5 with power output stage -N323-
- 11 - Camshaft adjustment valve 1 -N205-
- 12 - Intake air temperature sensor -G42- / Manifold absolute pressure sensor -G71-
- 13 - Intake manifold runner position sensor -G336-
- 14 - Charge air pressure sensor -G31- / Intake air temperature sensor 2 -G299-
- 15 - Throttle valve control module -J338- with EPC throttle drive -G186- / EPC throttle drive angle sensor 1 -G187- / EPC throttle drive angle sensor 2 -G188-
- 16 - Cylinder 5 fuel injector -N83-
- 17 - Fuel pressure sensor -G247-
- 18 - Cylinder 4 fuel injector -N33-
- 19 - Oil pressure switch -F1- / Oil pressure switch -F22-
- 20 - Oil pressure regulation valve -N428-
- 21 - Reduced oil pressure switch -F378-
- 22 - EVAP canister purge regulator valve 1 -N80-
- 23 - Cylinder 3 fuel injector -N32-



**1.6.2 Engine (exhaust side)**

- 1 - Engine speed sensor -G28-
- 2 - Oxygen sensor after three way catalytic converter -G130- / Heater for oxygen sensor 1 after catalytic converter -Z29-
- 3 - Engine coolant temperature sensor -G62-
- 4 - Turbocharger recirculation valve -N249-
- 5 - Exhaust camshaft adjustment valve 1 -N318-
- 6 - Fuel metering valve -N290-
- 7 - Camshaft position sensor 3 -G300-
- 8 - Exhaust gas temperature sensor 1 -G235-
- 9 - Wastegate bypass regulator valve -N75-
- 10 - Heated oxygen sensor -G39- / Oxygen sensor heater -Z19-
- 11 - Knock sensor 1 -G61-
- 12 - Knock sensor 2 -G66-

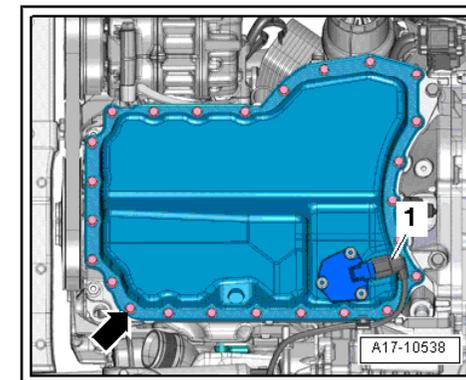


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Oil level thermal sensor -G266-

1 - Oil level thermal sensor -G266-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



1.7 3.2L gasoline BUB, CBRA Overviews

1 - 3-pin Harness Connector

- For Knock Sensor 1 -G61- ⇒ [page 42](#)

2 - Knock Sensor 1 -G61- ⇒ [page 42](#)

3 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-

4 - Heated Oxygen Sensor (HO2S) -G39- ⇒ [Item 13 \(page 51\)](#)

5 - Electrical Connectors

- For Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-
- For Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-

6 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- ⇒ [Item 14 \(page 51\)](#)

7 - Engine Control Module (ECM) -J623-

8 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131- ⇒ [Item 14 \(page 51\)](#)

9 - Heated Oxygen Sensor (HO2S) 2 -G108- ⇒ [Item 13 \(page 51\)](#)

10 - Positive Crankcase Ventilation (PCV) Heating Element -N79-

11 - Ignition Coils with Power Output Stages

- Ignition Coil 1 -N70-
- Ignition Coil 2 -N127-
- Ignition Coil 3 -N291-
- Ignition Coil 4 -N292-
- Ignition Coil 5 -N323-
- Ignition Coil 6 -N324-

12 - Throttle Valve Control Module -J338-

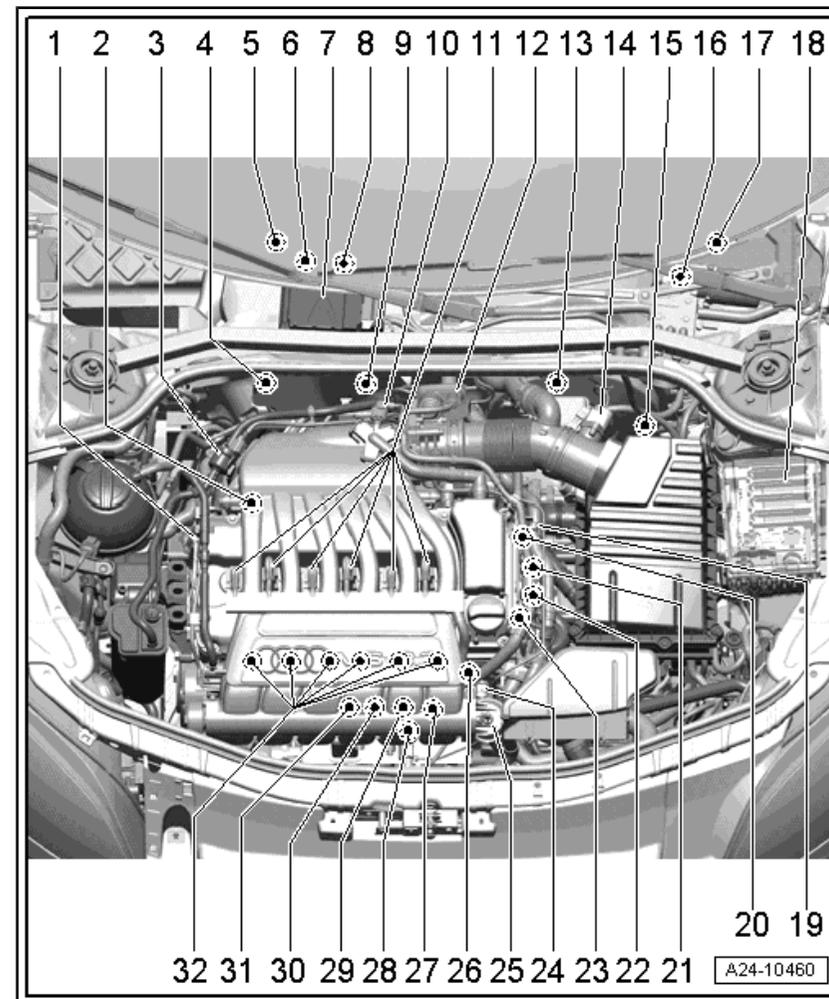
13 - Electrical Connectors

- For Heated Oxygen Sensor (HO2S) -G39-
- For Heated Oxygen Sensor (HO2S) 2 -G108-

14 - Mass Air Flow (MAF) Sensor -G70-

15 - Clutch Position Sensor -G476-

- For vehicles with manual transmission, installed on clutch master cylinder



not  
bility

Cont.

16 - Throttle Position (TP) Sensor -G79- and Accelerator Pedal Position Sensor 2 -G185-  
⇒ [page 60](#)

17 - Instrument Cluster

18 - Engine compartment E-box

19 - Secondary air injection sensor 1 -G609- ⇒ [page 47](#)

For engine code CBRA only

20 - Camshaft Position (CMP) Sensor 2 -G163- ⇒ [page 44](#)

21 - Camshaft Adjustment Valve 1 (exhaust) -N318- ⇒ [page 44](#)

22 - Camshaft Adjustment Valve 1 -N205- ⇒ [page 44](#)

23 - Camshaft Position (CMP) Sensor -G40- ⇒ [page 44](#)

24 - Engine Coolant Temperature (ECT) Sensor -G62- ⇒ [page 41](#)

25 - Vacuum Actuator for Intake Manifold Flaps

26 - Engine Speed (RPM) Sensor -G28- ⇒ [page 39](#)

27 - Intake Manifold Tuning (IMT) Valve -N156- ⇒ [page 40](#)

28 - Secondary Air Injection (AIR) Pump Motor -V101- ⇒ [page 45](#)

29 - Secondary air injection solenoid valve -N112- and Secondary air injection solenoid valve 2 -N320- ⇒ [page 46](#)

For engine code CBRA only

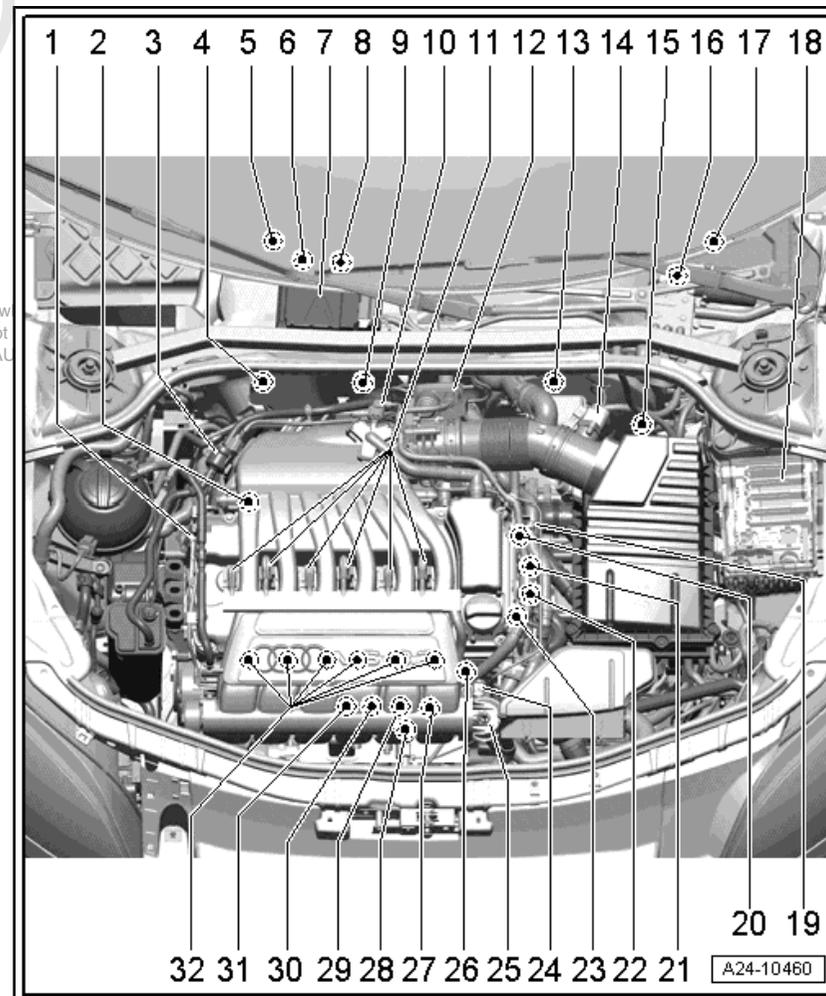
30 - Knock Sensor 2 -G66- ⇒ [page 43](#)

31 - 3-pin Harness Connector

For Engine Speed (RPM) Sensor -G28- ⇒ [page 39](#)

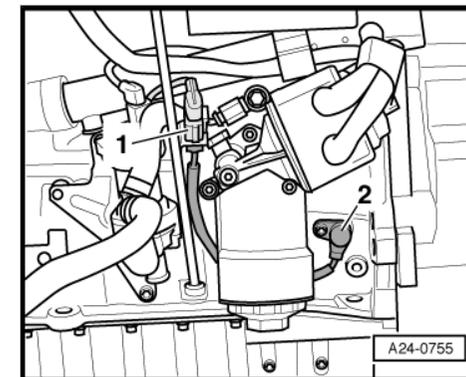
32 - Fuel Injector

- Cylinder 1 Fuel Injector -N30-
- Cylinder 2 Fuel Injector -N31-
- Cylinder 3 Fuel Injector -N32-
- Cylinder 4 Fuel Injector -N33-
- Cylinder 5 Fuel Injector -N83-
- Cylinder 6 Fuel Injector -N84-



**Engine Speed (RPM) Sensor**

- 1 - 3-pin harness connector
- 2 - Engine Speed (RPM) Sensor -G28-



Audi

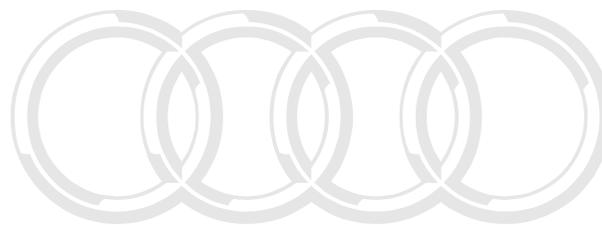
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Intake Manifold Tuning (IMT) Valve**

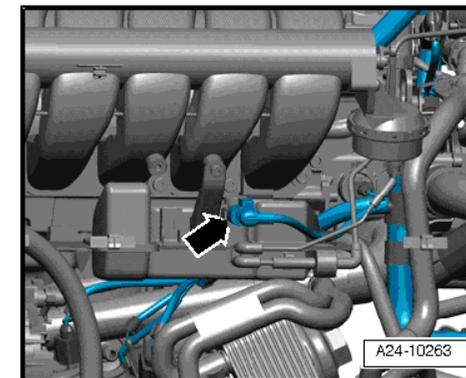
-ARROW- Intake Manifold Tuning (IMT) Valve -N156-

On vacuum reservoir at front on engine



Audi

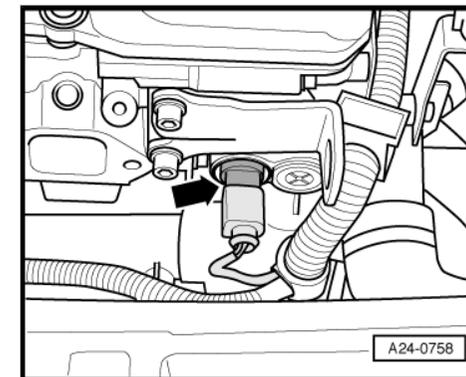
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Engine Coolant Temperature (ECT) Sensor**

-ARROW- Engine Coolant Temperature (ECT) Sensor -G62-

At left front of cylinder head



Audi

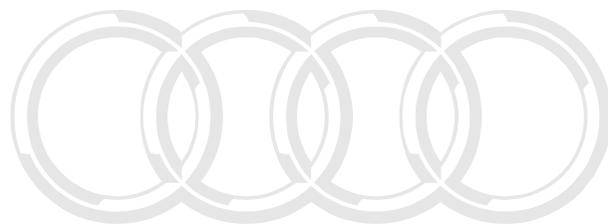
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Knock Sensor (KS) 1**

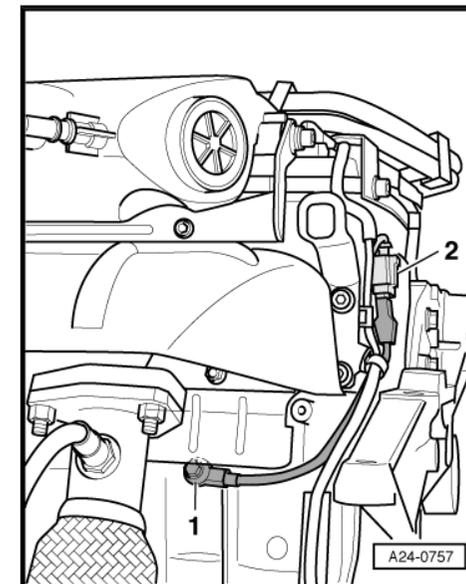
1 - Knock Sensor 1 -G61-

2 - 3-pin harness connector



Audi

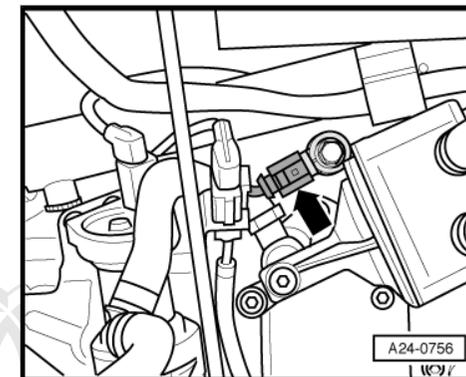
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Knock Sensor (KS) 2**

-ARROW- Knock Sensor 2 -G66-

Front at cylinder head



  
Audi

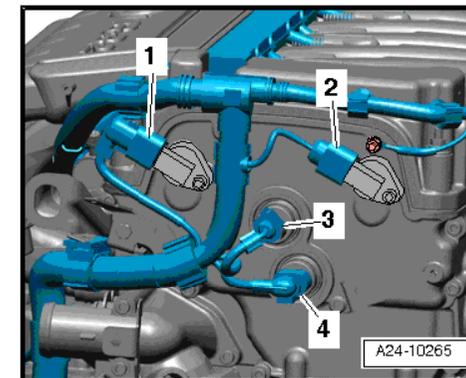
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 

**Camshaft Sensors**

Left on cylinder head

- 1 - Camshaft Position (CMP) Sensor -G40-
- 2 - Camshaft Position (CMP) Sensor 2 -G163-
- 3 - Camshaft Adjustment Valve 1 -N205-
- 4 - Camshaft Adjustment Valve 1 (exhaust) -N318-



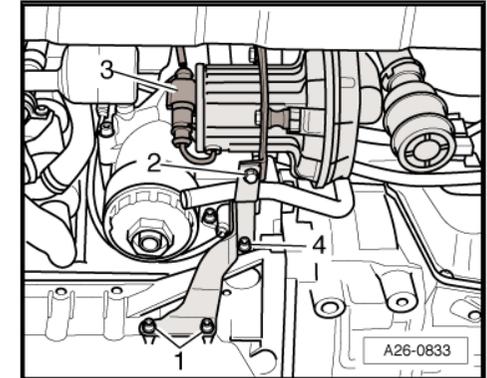
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Secondary Air Injection Pump**

3 - Connector at Secondary Air Injection (AIR) Pump Motor  
-V101-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

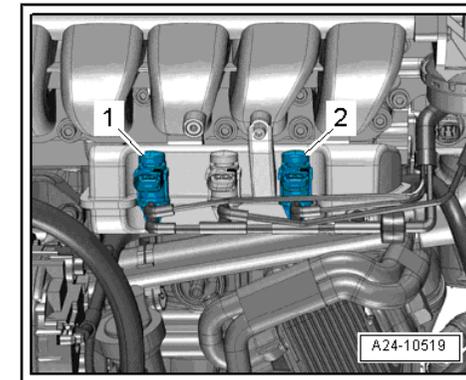


**Secondary Air Injection Solenoid Valves- Engine Code CBRA**

On vacuum reservoir at front on engine

1 - Secondary Air Injection (AIR) Solenoid Valve -N112-

2 - Secondary Air Injection (AIR) Solenoid Valve 2 -N320-



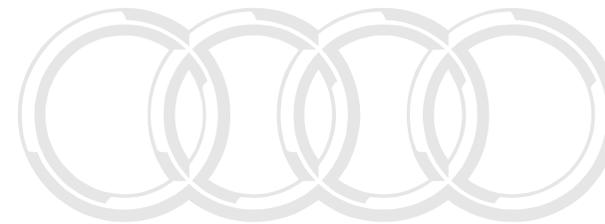
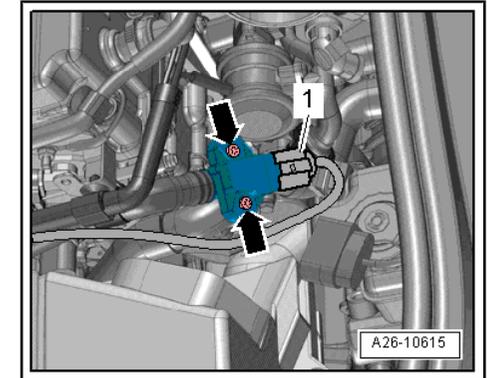
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Secondary Air Injection Sensor 1 -G609- - Engine Code CBRA

1 - Secondary air injection sensor 1 -G609-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Oil Level Thermal Sensor

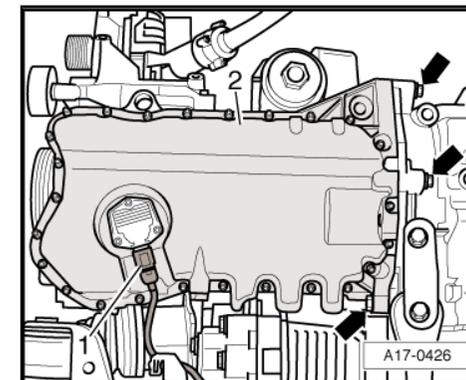
1 - Oil Level Thermal Sensor -G266-



Audi

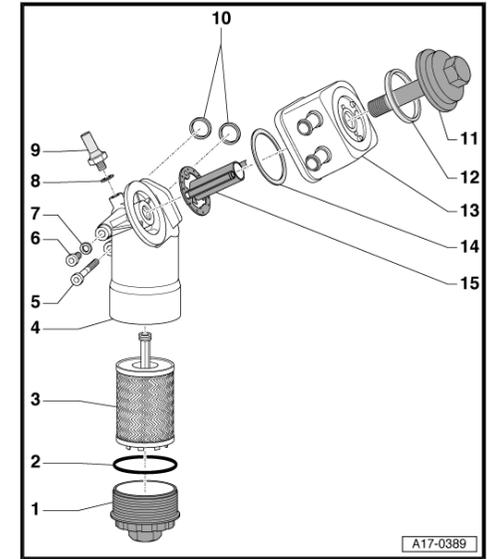
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



Oil Pressure Switch

9 - Oil Pressure Switch -F1- / -F22-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.8 Exhaust System Overviews

- ◆ 2.0L CCTA, BPY, CDMA, CETA ⇒ [page 50](#)
- ◆ 2.5L CEPB ⇒ [page 35](#)
- ◆ 3.2L BUB, CBRA ⇒ [page 51](#)

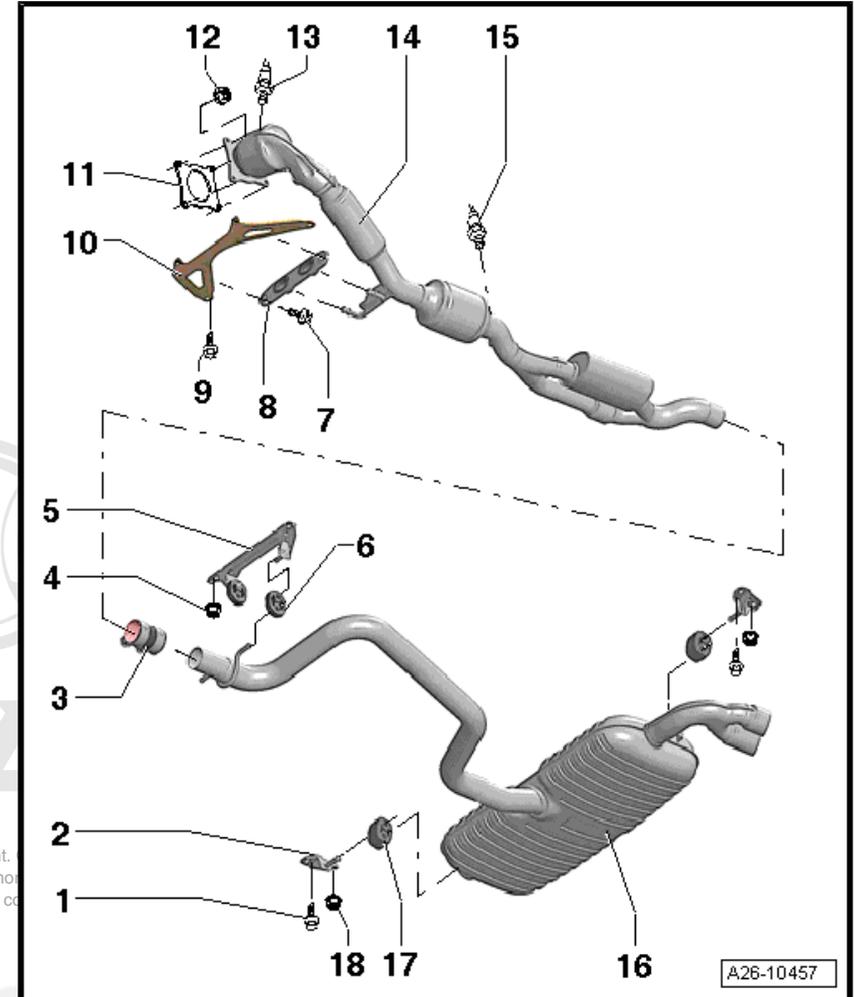
#### 1.8.1 2.0L CCTA, BPY, CDMA, CETA

##### 13 - Heated Oxygen Sensor (HO2S) -G39-

- 3.2L ⇒ [Item 13 \(page 51\)](#)

##### 15 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-

- 3.2L ⇒ [Item 13 \(page 51\)](#)



Protected by copyright.  
permitted unless author  
with respect to the co

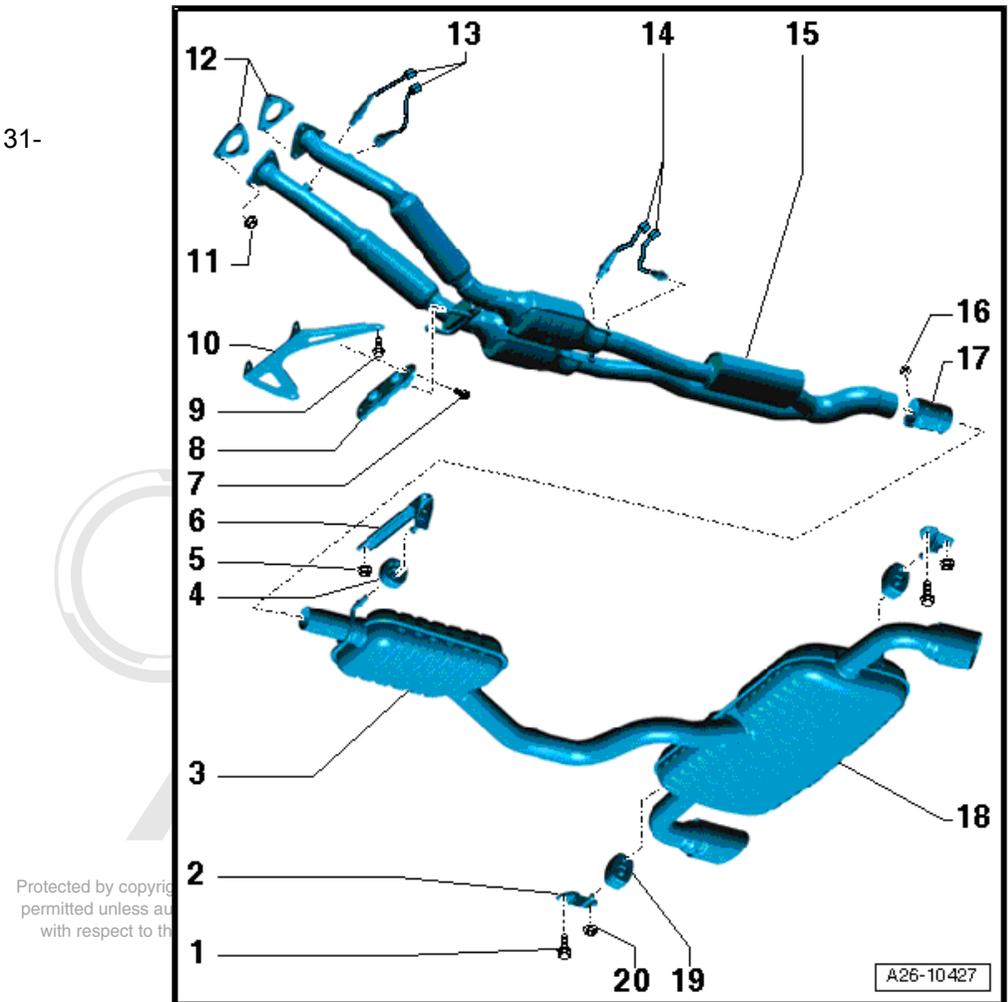
1.8.2 3.2L BUB, CBRA

13 - Heated Oxygen Sensor (HO2S) -G39-

- and Heated Oxygen Sensor (HO2S) 2 -G108-

14 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-

- and Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-



### 1.9 Cooling Fans and Pumps

Not shown: Engine Coolant Level (ECL) Warning Switch -F66- located in the overflow bottle

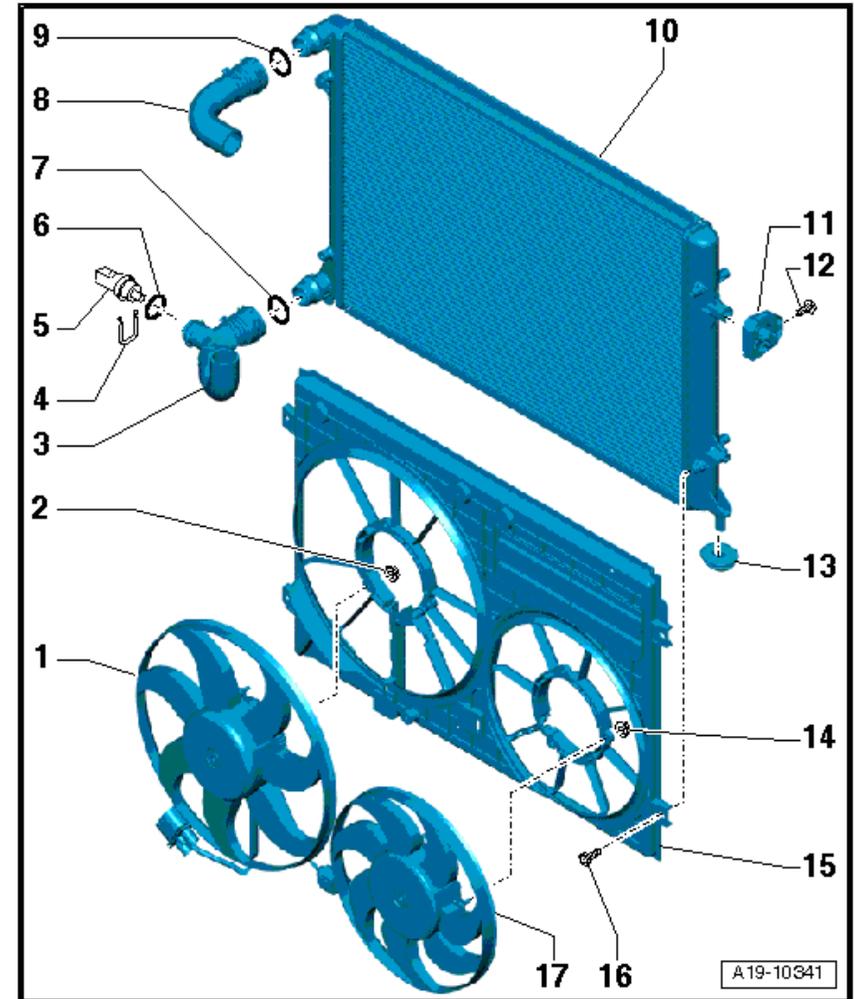
**1 - Coolant Fan -V7-**

- With Coolant Fan Control (FC) Control Module -J293-

**5 - Coolant Fan Control (FC) Thermal Switch -F18-**

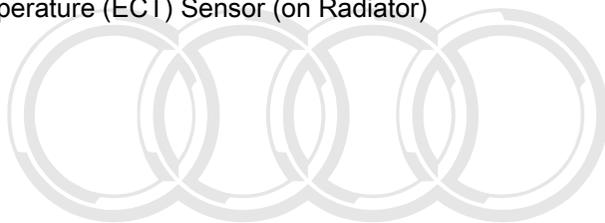
**17 - Coolant Fan 2 -V177-**

- For CCTA : Right Coolant Fan -V35-



Engine Coolant Temperature (ECT) Sensor

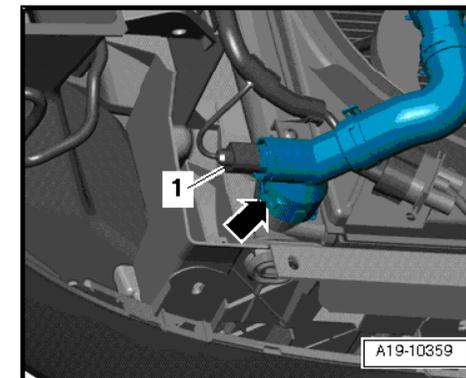
1 - Engine Coolant Temperature (ECT) Sensor (on Radiator)  
-G83-



Audi

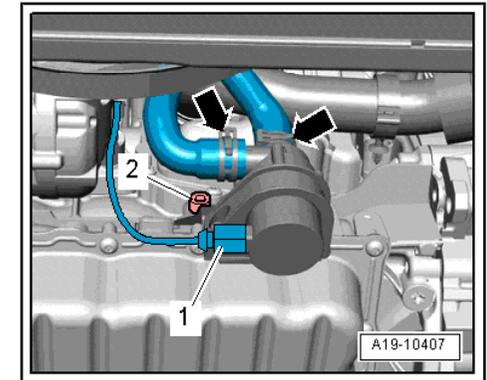
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 



After-run coolant pump - 2.0L BPY, CCTA, CETA and CDMA shown

1 - After-Run Coolant Pump -V51-



Audi

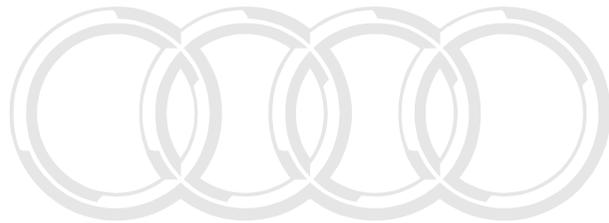
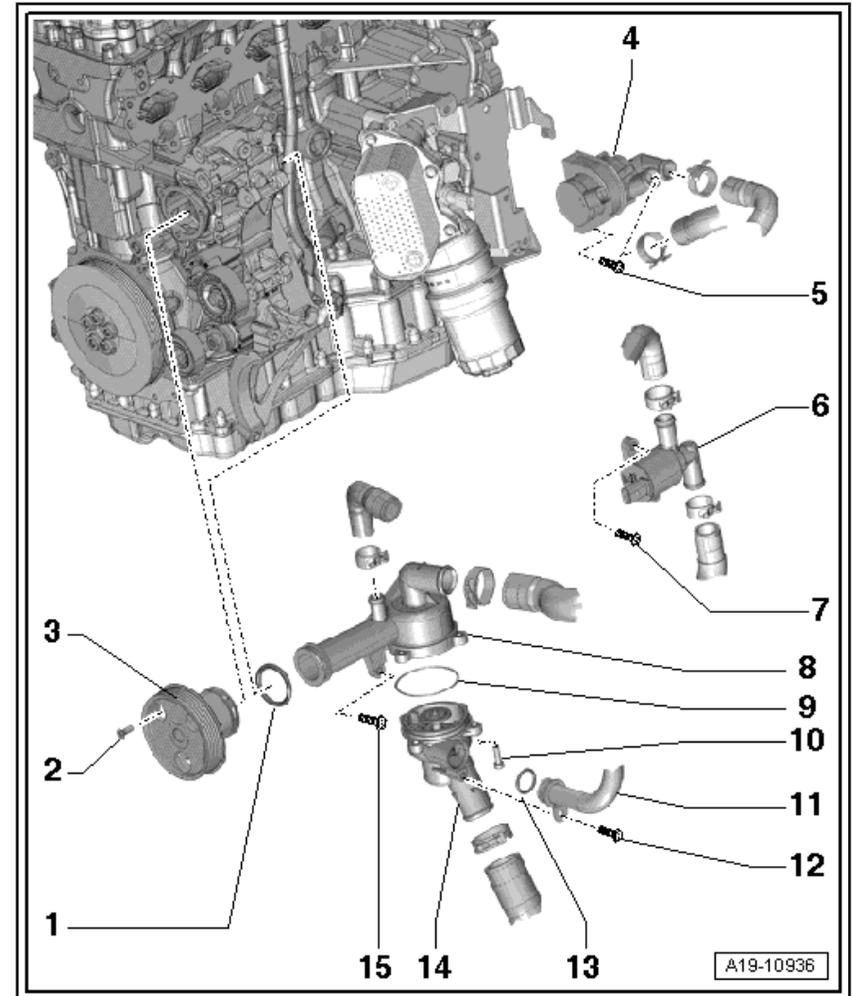
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



After-run coolant pump and Solenoid for coolant circuit - 2.5L CEPB shown

4 - After-run coolant pump -V51-

6 - Cooling circuit solenoid valve -N492-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



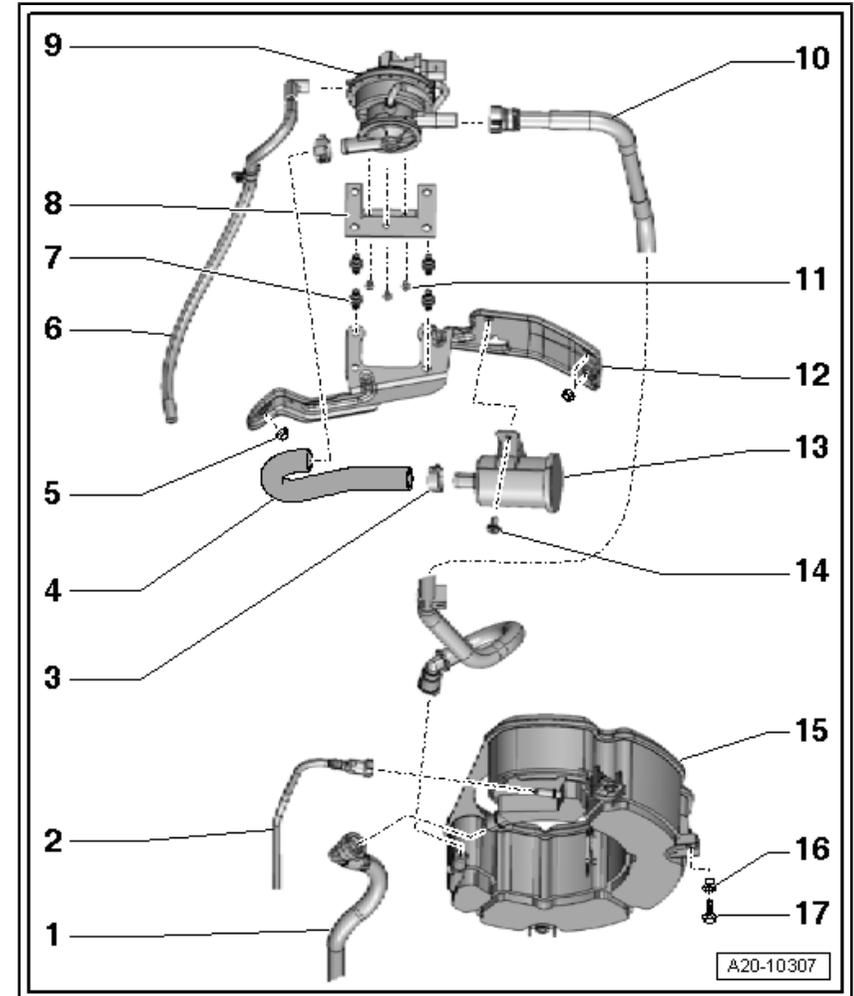
**1.10 Evap System Overviews**

**9 - Leak Detection Pump (LDP) -V144-**

- ❑ Component location: Under wheel housing liner in rear left wheel housing

**15 - EVAP Canister**

- ❑ Component location: Bottom of spare wheel well



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



1.11 Fuel Pump and Sensors

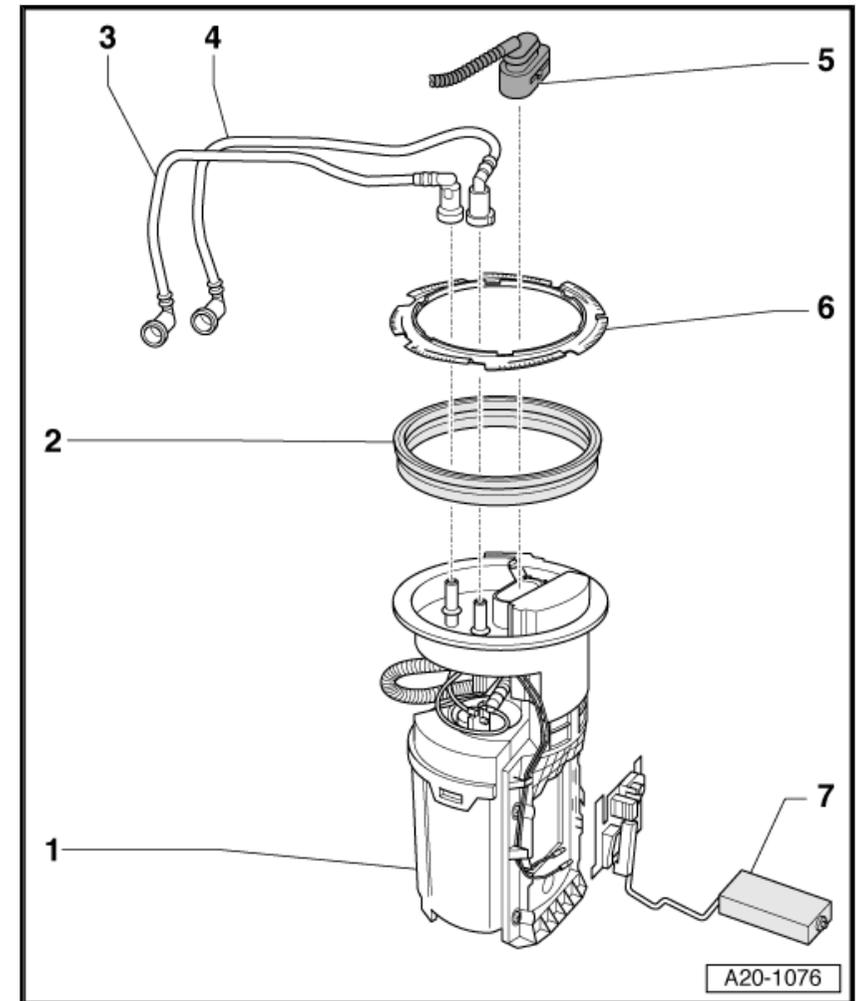
Front Wheel Drive

1 -

5 - Electrical Harness Connector

□ For Fuel Level Sensor -G- and Transfer Fuel Pump (FP) -G6-

7 - Fuel Level Sensor -G-

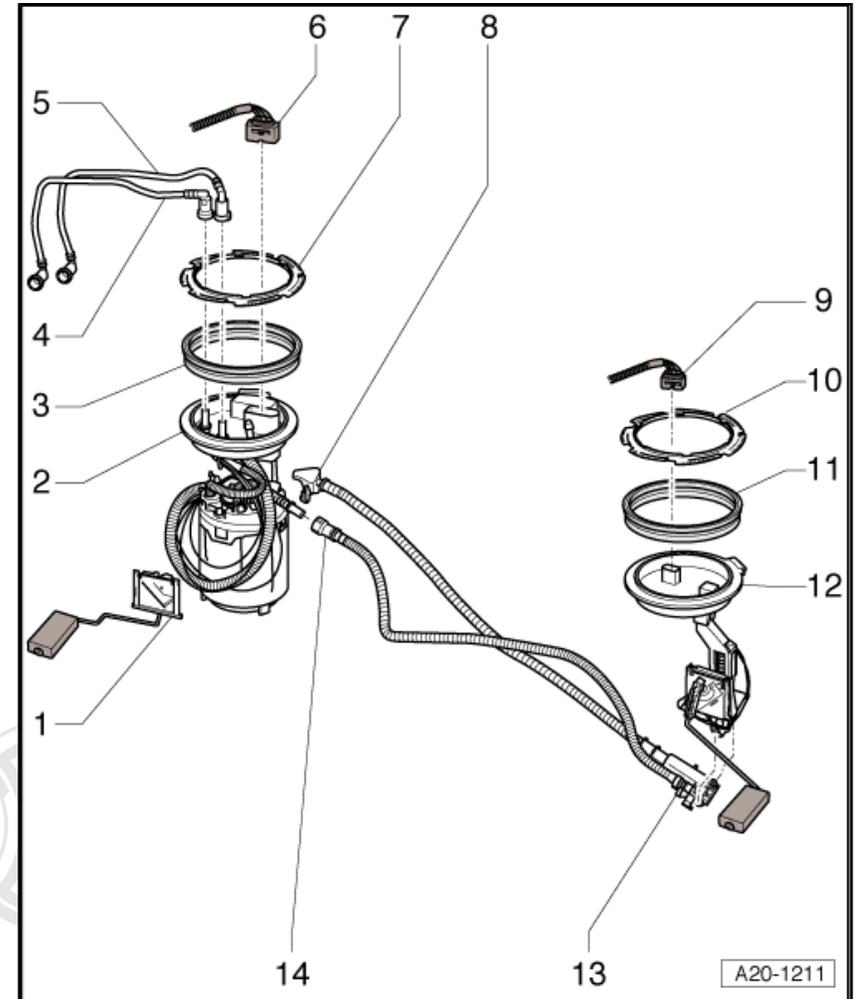


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



All Wheel Drive

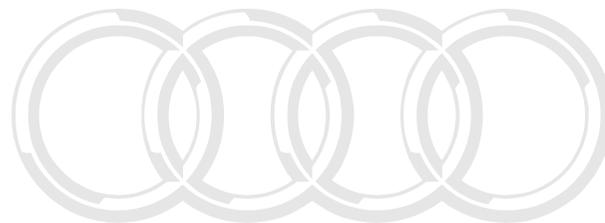
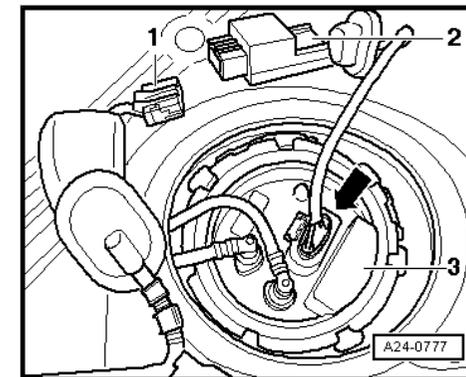
- 1 - Fuel Level Sensor -G-
- 6 - Electrical Harness Connector
  - For Fuel Level Sensor -G- and Transfer Fuel Pump (FP) -G6-
- 9 - Electrical Harness Connector
  - For Fuel Level Sensor 2 -G169-
- 12 - Fuel Level Sensor 2 -G169-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Fuel Pump (FP) Control Module**

- 1 - Fuel Pump (FP) Control Module -J538- connector
- 2 - Fuel Pump (FP) Control Module -J538-
- 3 - Transfer Fuel Pump (FP) -G6-



Audi

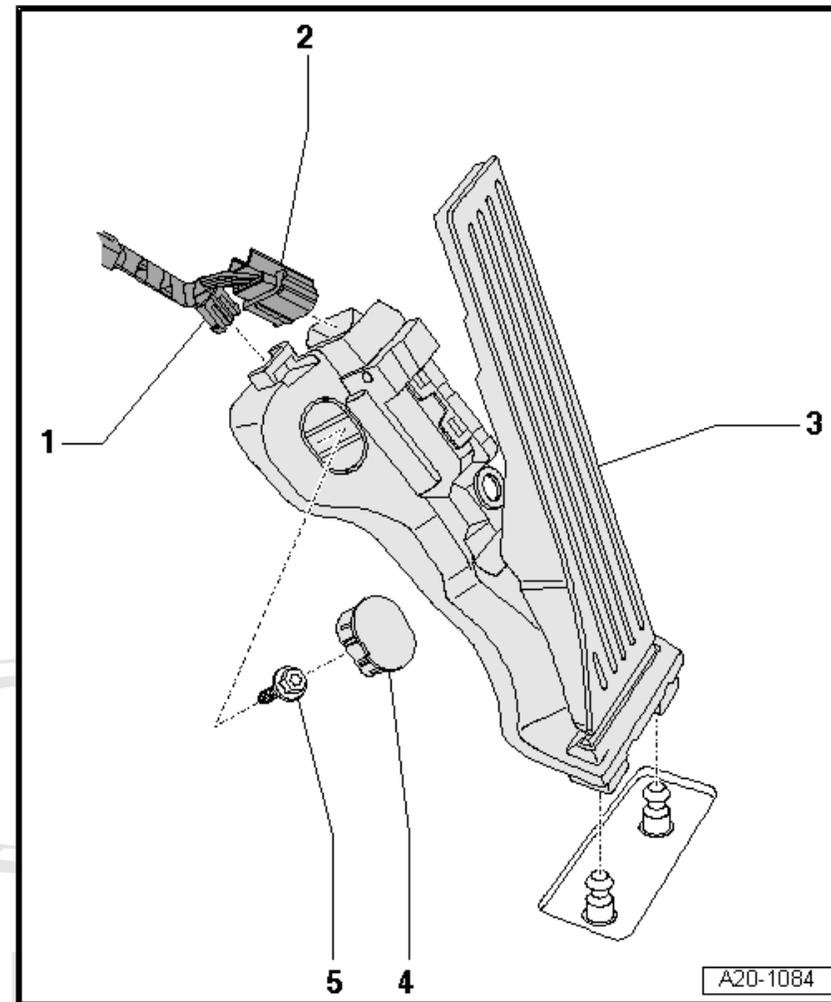
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.12 Accelerator Pedal Module

#### 3 - Accelerator Pedal Module

- Throttle Position (TP) Sensor -G79- and Accelerator Pedal Position Sensor 2 -G185-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Component Locations: Parking Aid System

## 1.1 Rear Parking Aid System Overview

### 1 - Rear Parking Aid Warning Buzzer -H15-

**Coupe:**

- Behind right rear speaker trim ⇒ [page 2](#)

**Roadster:**

- Behind left rear bulkhead trim ⇒ [page 3](#)

### 2 - Parking Aid Control Module -J446-

- In luggage compartment at rear, right side, below side trim ⇒ [page 4](#)

### 3 - Right Rear Parking Aid Sensor -G206-

- In rear bumper

### 4 - Right Rear Center Parking Aid Sensor -G205-

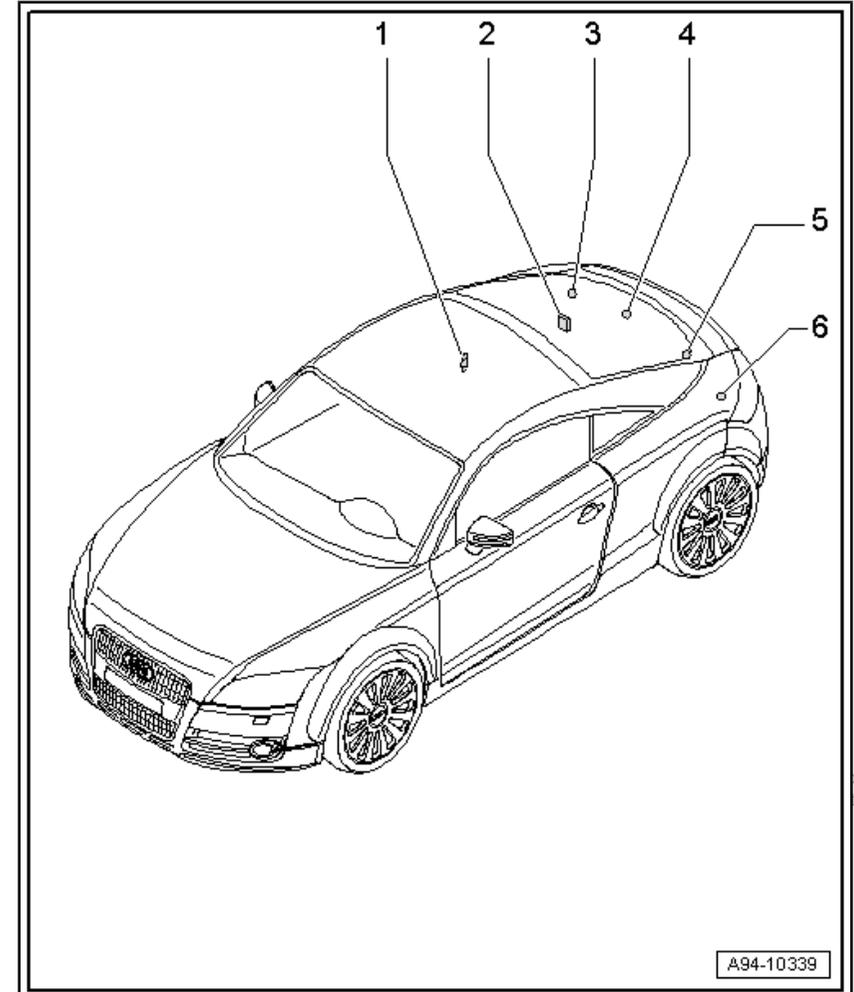
- In rear bumper

### 5 - Left Rear Center Parking Aid Sensor -G204-

- In rear bumper

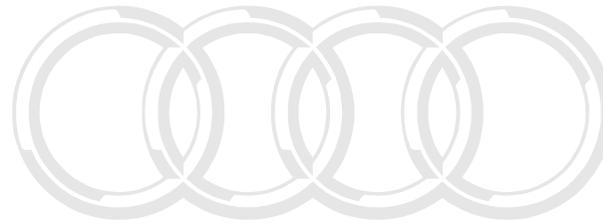
### 6 - Left Rear Parking Aid Sensor -G203-

- In rear bumper



Rear Parking Aid Warning Buzzer, Coupe

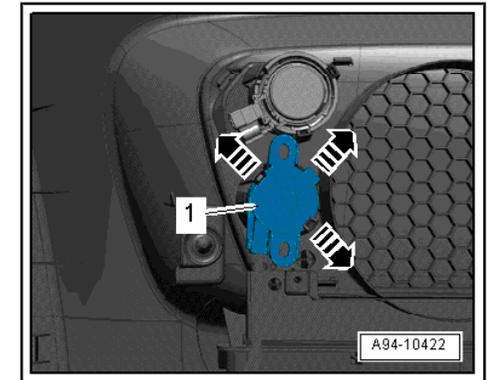
1 - Rear Parking Aid Warning Buzzer -H15-



Audi

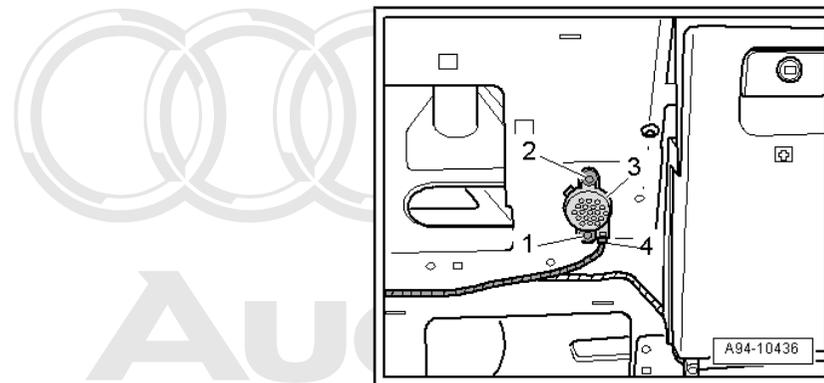
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin 



Rear Parking Aid Warning Buzzer, Roadster

3 - Rear Parking Aid Warning Buzzer -H15-

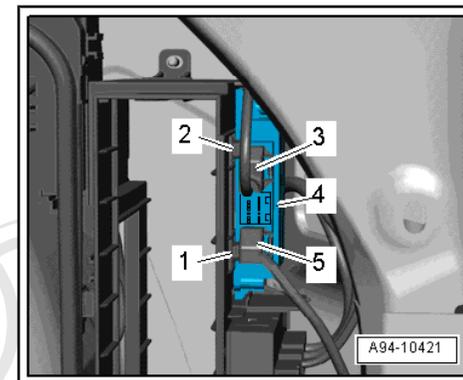


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Parking Aid Control Module**

4 - Parking Aid Control Module -J446-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1 Component Locations: Radio / Navigation Systems

- ◆ Radio System Component Overview ⇒ [page 2](#)
- ◆ Radio Navigation System Component Overview ⇒ [page 5](#)
- ◆ Telephone System Component Overview ⇒ [page 9](#)
- ◆ Antenna System Overview ⇒ [page 11](#)



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.1 Radio System Component Overview

### Coupe

**1 - Right Front Treble Speaker -R22-**

- In right of instrument panel

**2 - Center Mid/High Range Speaker -R158-**

- In front instrument panel, center

**3 - Microphone Unit (in front roof module) -R164-**

- In Front Interior Light -W1-

**4 - Antenna Amplifier -R24-**

- On upper right of rear lid

**5 - Antenna Amplifier 2 -R111-**

- On lower right of rear lid

**6 - Digital Sound System Control Module -J525-**

- Behind luggage compartment left side trim

**7 - Left Rear Treble Speaker -R14- / Right Rear Treble Speaker -R16-**

- In upper right side trim

**8 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-**

- Behind rear side trim

**9 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-**

- In center of doors

**10 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-**

- In bottom of doors

**11 - Left Front Treble Speaker -R20-**

- In left of instrument panel

**12 - Radio -R-**

- In center console, at top

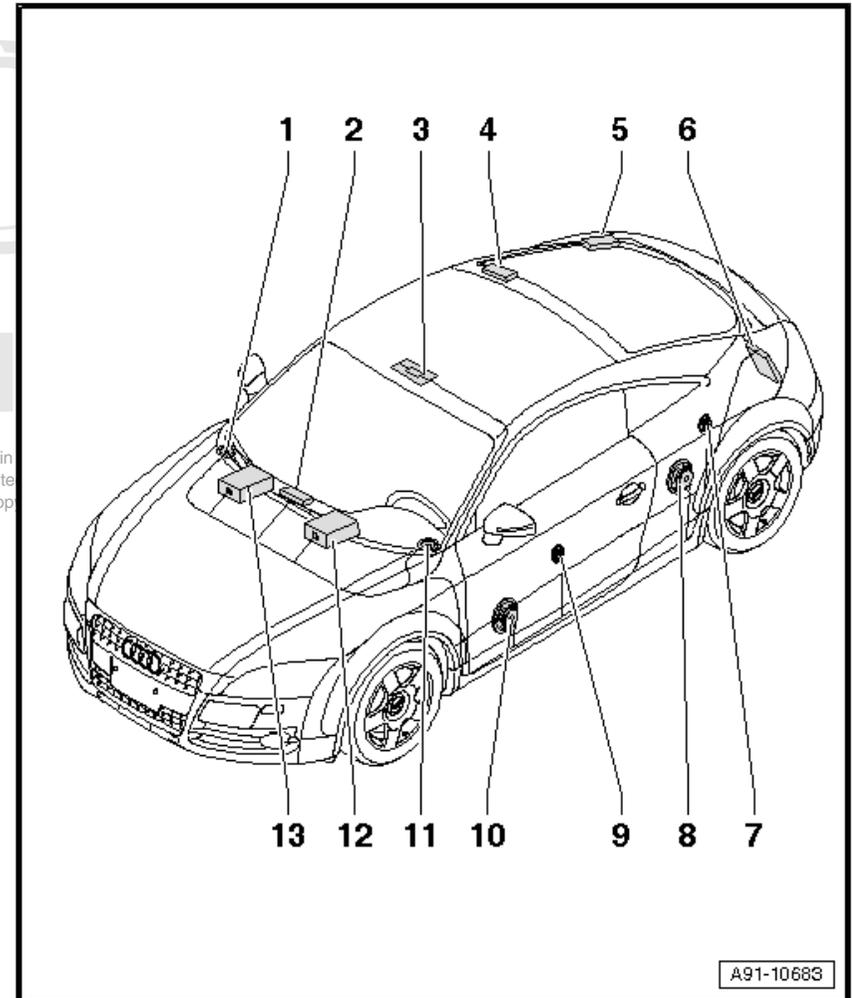
**13 - CD Changer -R41-**

- In glove compartment

**iPod Baseplate -R192-**

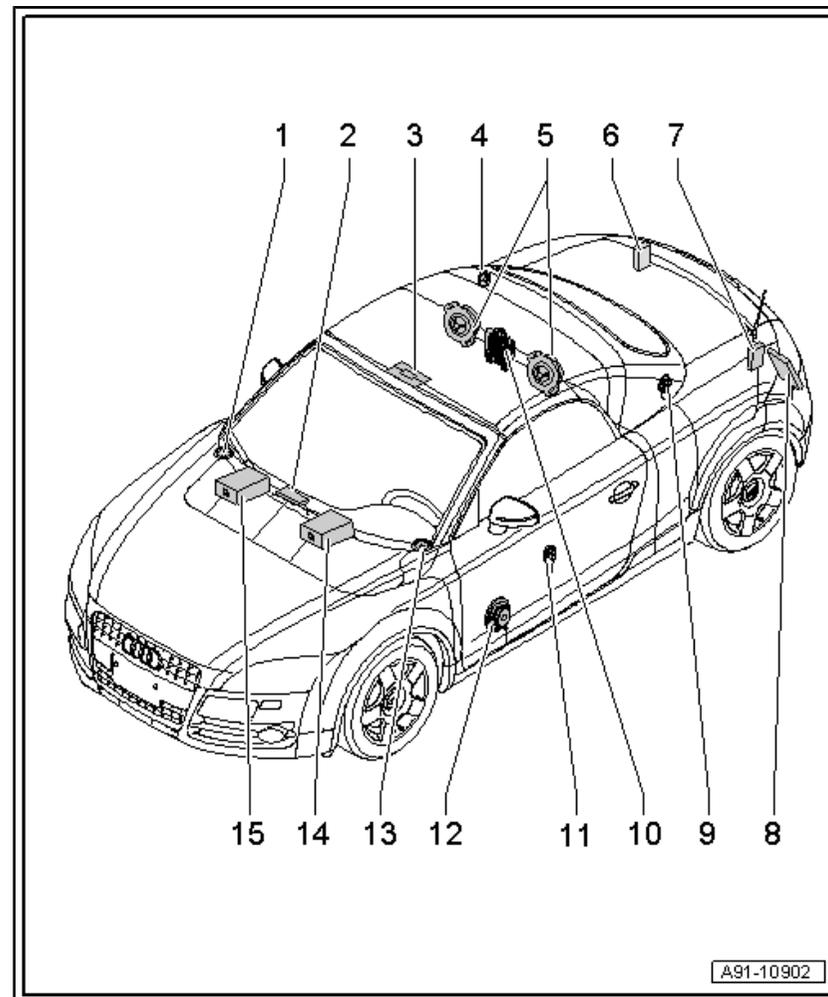
- Optional equipment

Protected by copyright. Copying for private or commercial purposes, in permitted unless authorised by AUDI AG. AUDI AG does not guarantee with respect to the correctness of information in this document. Cop



Roadster

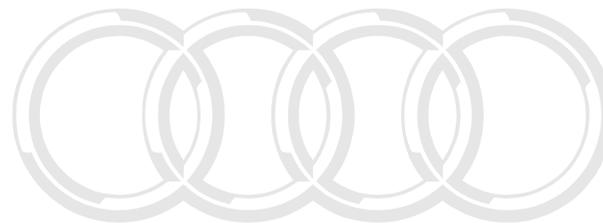
- 1 - Right Front Treble Speaker -R22-**  
 In right of instrument panel
- 2 - Center Mid/High Range Speaker -R158-**  
 In front instrument panel, center
- 3 - Microphone Unit (in front roof module) -R164-**  
 In Front Interior Light -W1-
- 4 - Right Rear Treble Speaker -R16-**  
 In upper right side trim
- 5 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-**  
 In left and right rear wall
- 6 - Antenna Amplifier 2 -R111-**  
 Behind right side of rear lid
- 7 - Antenna Amplifier -R24-**  
 Left rear mast antenna base
- 8 - Digital Sound System Control Module -J525-**  
 Behind luggage compartment left side trim
- 9 - Left Rear Treble Speaker -R14-**  
 In upper right side trim
- 10 - Center Speaker -R148-**  
 In center of rear wall
- 11 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-**  
 In center of doors
- 12 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-**  
 In bottom of doors
- 13 - Left Front Treble Speaker -R20-**  
 In left of instrument panel
- 14 - Radio -R-**  
 In center console, at top
- 15 - CD Changer -R41-**  
 In glove compartment



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

iPod Baseplate -R192-

- Optional equipment



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.2 Radio Navigation System Component Overview

### Coupe

**1 - Right Front Treble Speaker -R22-**

- In right of instrument panel

**2 - CD Changer -R41-**

- In glove compartment

**iPod Baseplate -R192-**

- Optional equipment

**3 - Center Mid/High Range Speaker -R158-**

- In front instrument panel, center

**4 - Microphone Unit (in front roof module) -R164-**

- In Front Interior Light -W1-

**5 - Antenna Amplifier -R24-**

- On upper right of rear lid
- Rear Window Antenna 1 -R130-

**6 - Radio, Telephone, Navigation System Antenna -R52-**

- Sat/GPS/GSM

- Roof antenna

**7 - Antenna Amplifier 4 -R113-**

- On upper left of rear lid

**8 - Antenna Amplifier 2 -R111-**

- On lower right of rear lid
- Rear Window Antenna 2 -R131-

**9 - TV Tuner -R78- (where applicable)**

- Behind right side of rear lid

**10 - Digital Sound System Control Module -J525-**

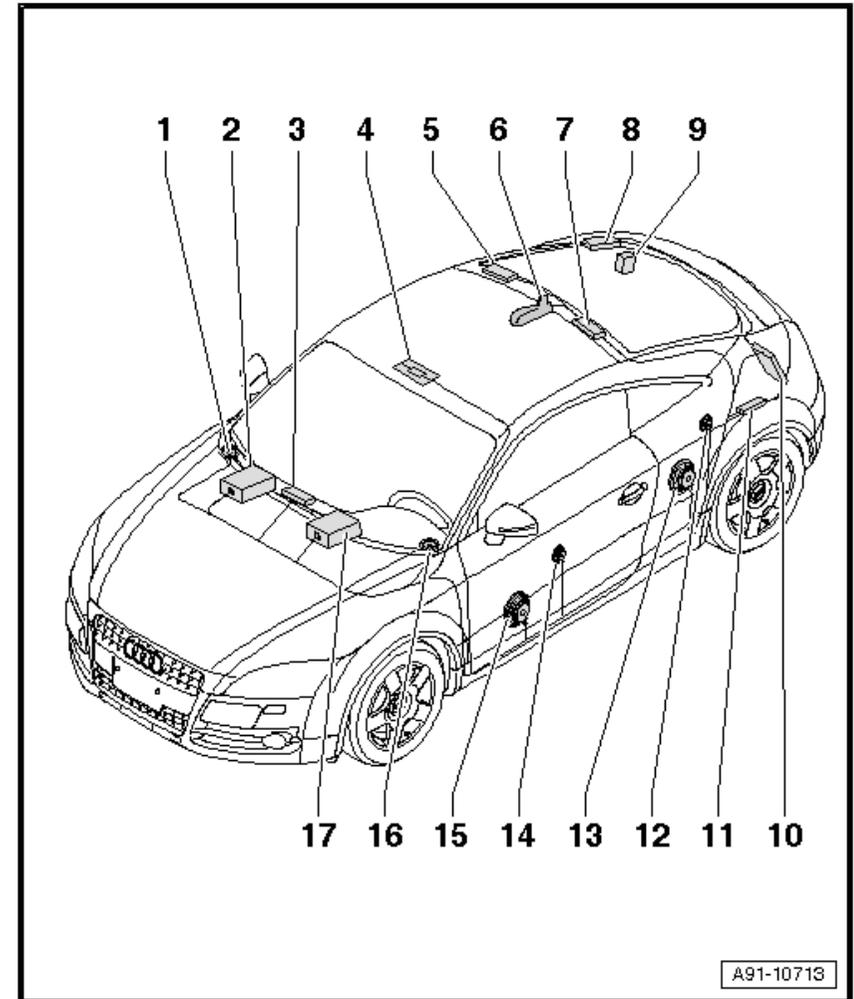
- Behind luggage compartment left side trim

**11 - Satellite Radio -R146-**

- In left of luggage compartment under cargo floor

**12 - Left Rear Treble Speaker -R14- / Right Rear Treble Speaker -R16-**

- In upper right side trim



Copyright © 2009 Audi AG. All rights reserved. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the content of this document. Copyright by AUDI AG.

**13 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-**

- Behind rear side trim

**14 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-**

- In center of doors

**15 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-**

- In bottom of doors

**16 - Left Front Treble Speaker -R20-**

- In left of instrument panel

**17 - Navigation System with CD Drive Control Module -J401-**

- In center console, at top



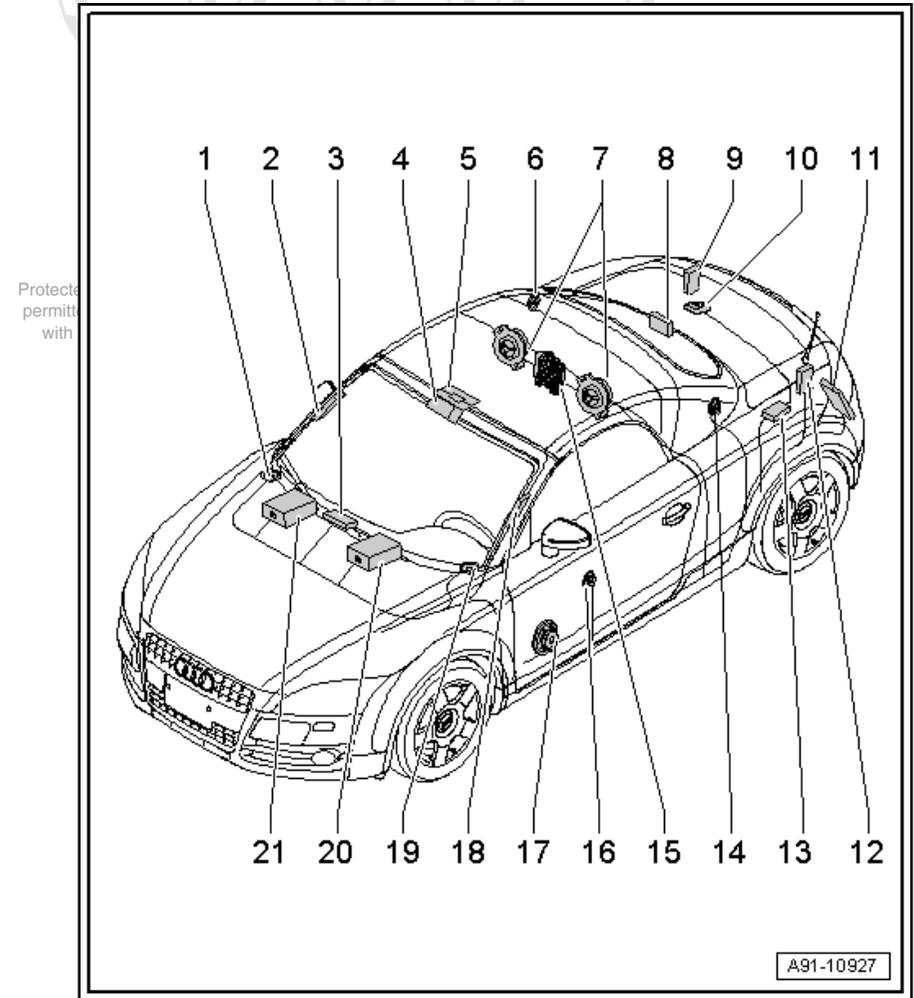
# Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Roadster

- 1 - Right Front Treble Speaker -R22-**
  - In right of instrument panel
- 2 - TV Antenna 2 -R56- (where applicable)**
  - Behind right A-pillar trim
- 3 - Center Mid/High Range Speaker -R158-**
  - In front instrument panel, center
- 4 - Navigation System Antenna -R50-**
  - Behind Front Interior Light -W1-
- 5 - Microphone Unit (in front roof module) -R164-**
  - In Front Interior Light -W1-
- 6 - Right Rear Treble Speaker -R16-**
  - In upper right side trim
- 7 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-**
  - In left and right rear wall
- 8 - Antenna Selection Control Module -J515-**
  - In luggage compartment under center of cargo floor
- 9 - Antenna Amplifier 2 -R111-**
  - Behind right side of rear lid
- 10 - Satellite Antenna -R170-**
  - On rear lid
- 11 - Digital Sound System Control Module -J525-**
  - Behind luggage compartment left side trim
- 12 - Antenna Amplifier -R24-**
  - Left rear mast antenna base
  - Antenna -R11- - left rear mast antenna
  -
- 13 - Satellite Radio -R146-**
  - In left of luggage compartment under cargo floor
- 14 - Left Rear Treble Speaker -R14-**
  - In upper right side trim



**15 - Center Speaker -R148-**

- In center of rear wall

**16 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-**

- In center of doors

**17 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-**

- In bottom of doors

**18 - TV Antenna 3 -R57- (where applicable)**

- Behind left A-pillar trim

**19 - Left Front Treble Speaker -R20-**

- In center console, at top

**20 - Navigation System with CD Drive Control Module -J401-**

- In center console, at top

**21 - CD Changer -R41-**

- In glove compartment

**iPod Baseplate -R192-**

- Optional equipment



Audi

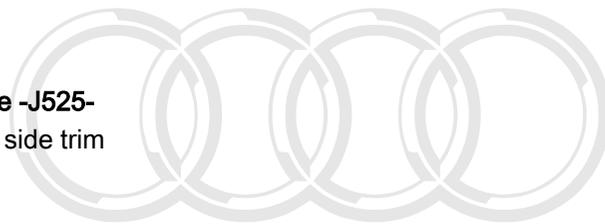
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin

### 1.3 Telephone System Component Overview

#### Coupe

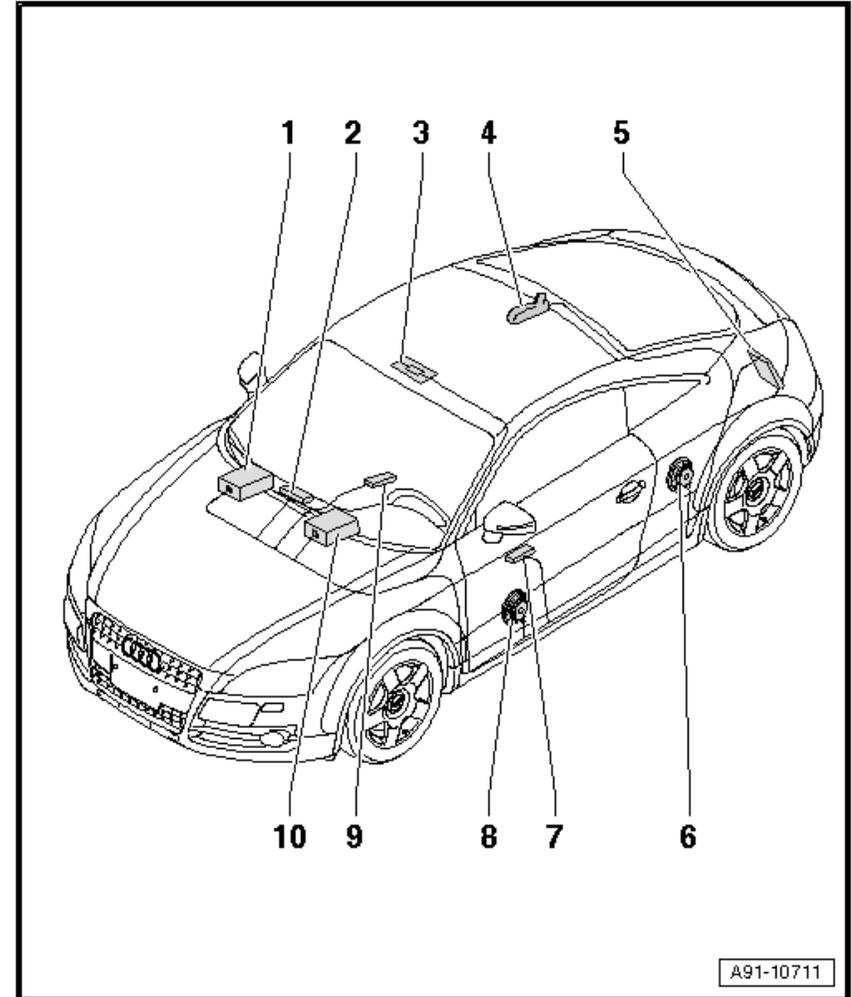
- 1 - CD Changer -R41-
  - In glove compartment
- 2 - Center Mid/High Range Speaker -R158-
  - In front instrument panel, center
- 3 - Microphone Unit (in front roof module) -R164-
  - In Front Interior Light -W1-
- 4 - Radio, Telephone, Navigation System Antenna -R52-
  - Sat/GPS/GSM
  - Roof antenna
- 5 - Digital Sound System Control Module -J525-
  - Behind luggage compartment left side trim
- 6 - Rear Speaker
  - Behind rear side trim
- 7 - Telephone Transceiver -R36-
  - In electronics box under left front seat
- 8 - Front Speaker
  - In doors
- 9 - Telephone Baseplate -R126-
  - In center console
- 10 - Radio -R-
  - In center console, at top



Audi

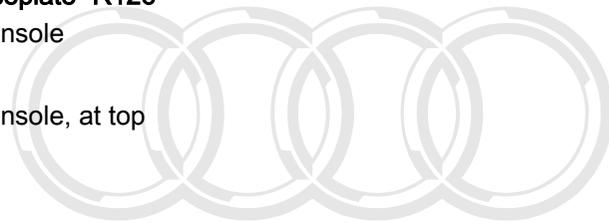
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



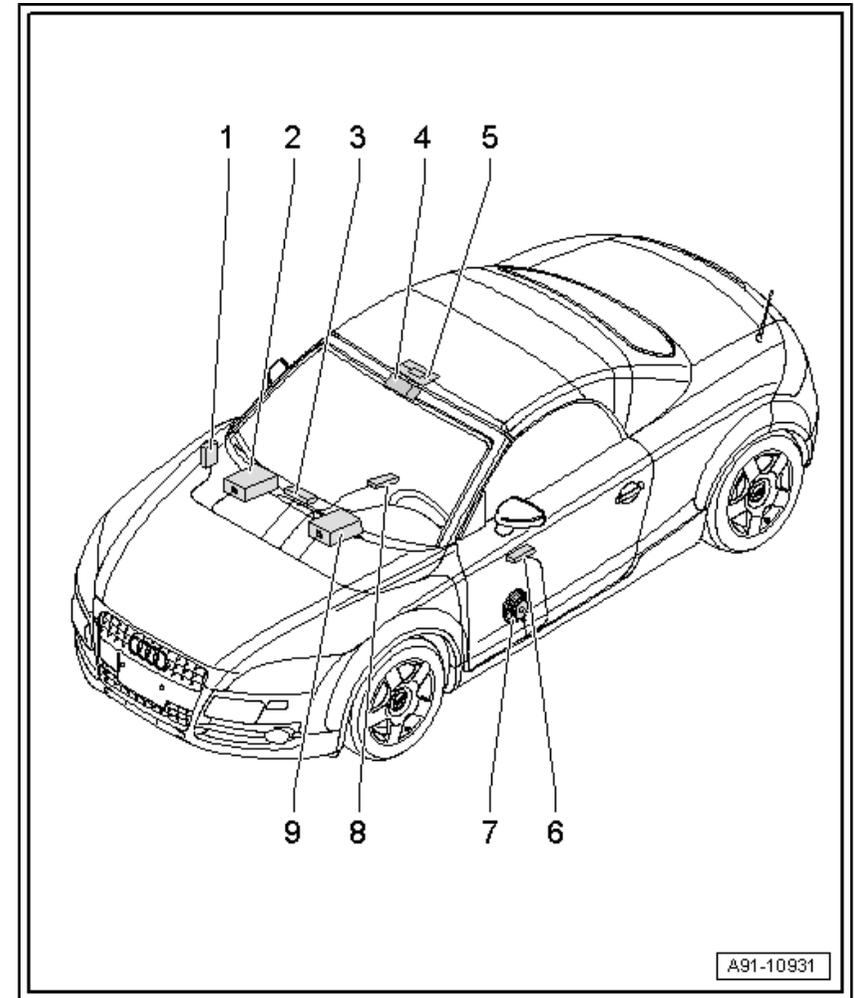
Roadster

- 1 - Not Installed
- 2 - CD Changer -R41-
  - In glove compartment
- 3 - Center Mid/High Range Speaker -R158-
  - In front instrument panel, center
- 4 - Telephone Antenna -R65-
  - GSM
  - Behind Front Interior Light -W1-
- 5 - Microphone Unit (in front roof module) -R164-
  - In Front Interior Light -W1-
- 6 - Telephone Transceiver -R36-
  - In electronics box under left front seat
- 7 - Front Speaker
  - In doors
- 8 - Telephone Baseplate -R126-
  - In center console
- 9 - Radio -R-
  - In center console, at top



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.4 Antenna System Overview

Coupe

1 - Radio, Telephone, Navigation System Antenna -R52-

4 - Antenna Amplifier -R24-

6 - Antenna Amplifier 2 -R111-

7 - Windshield Antenna Suppression Filter -C18-

11 - Antenna Amplifier 4 -R113-

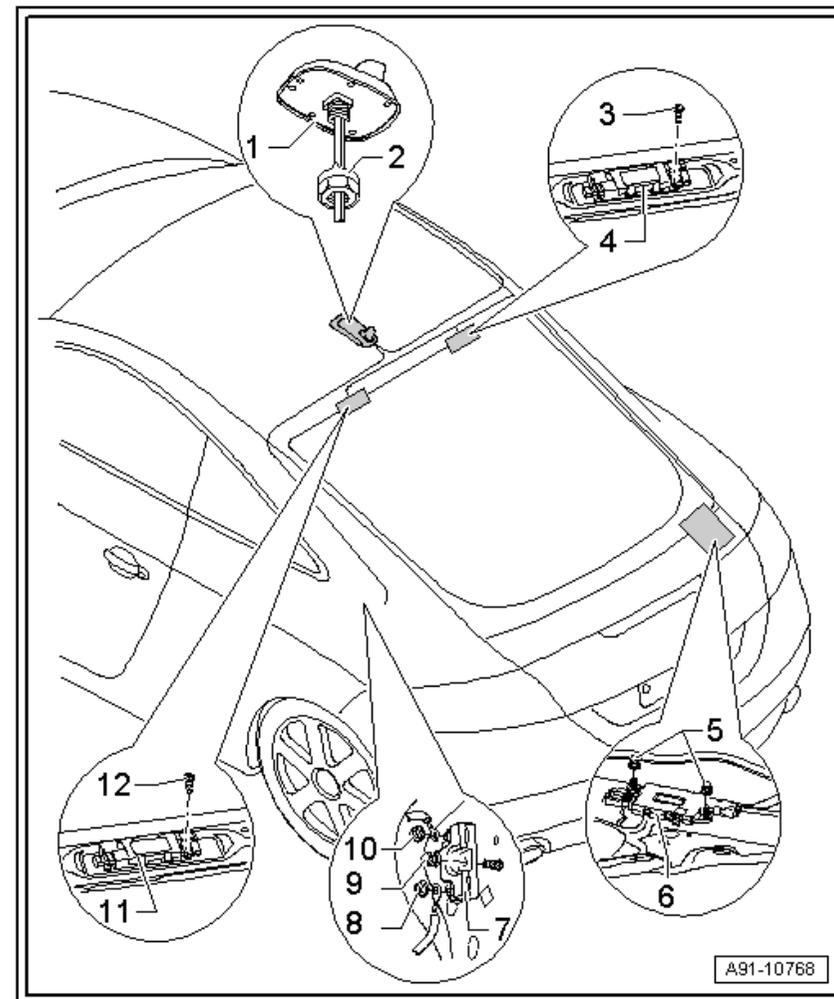
- Rear Window Antenna 1 -R130-



Audi

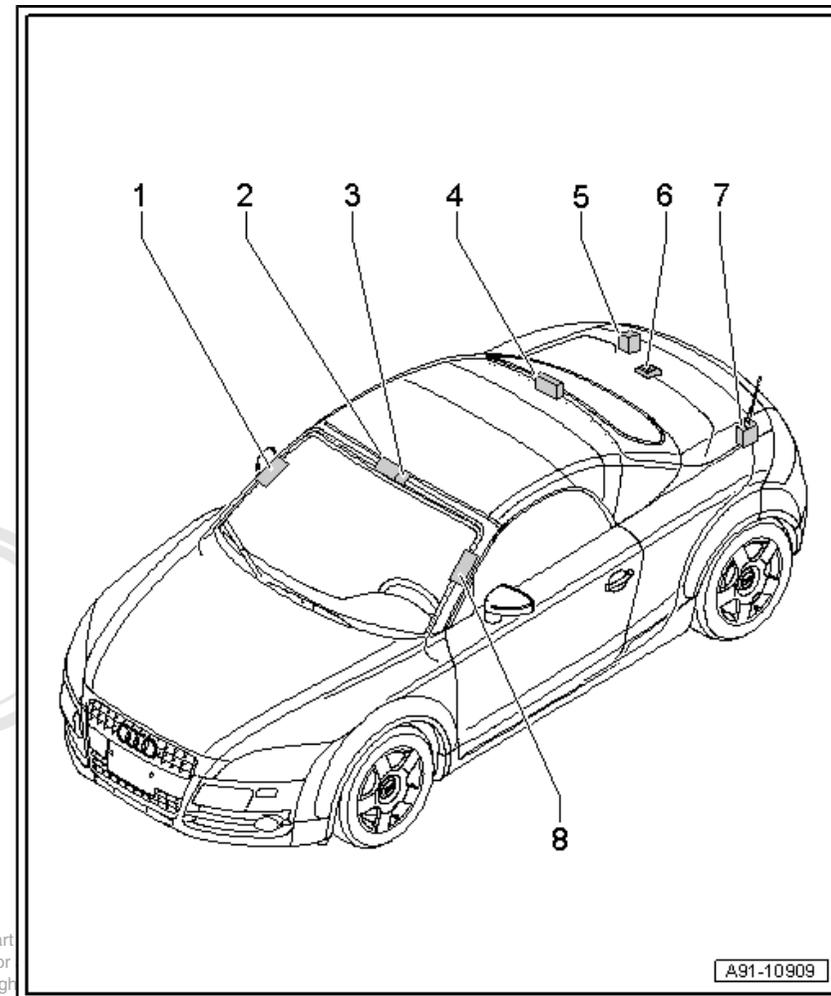
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



Roadster

- 1 - TV Antenna 2 -R56- (where applicable)
  - TV2
- 2 - Telephone Antenna -R65-
  - GSM
- 3 - Navigation System Antenna -R50-
  - GPS
- 4 - Antenna Selection Control Module -J515-
  - Only with RNS-E with TV (where applicable)
- 5 - Antenna Amplifier 2 -R111-
  - FM2/TV1
- 6 - Satellite Antenna -R170-
  - Sat
- 7 - Antenna Amplifier -R24-
  - AM/FM1/CLS/DAB
- 8 - TV Antenna 3 -R57- (where applicable)
  - TV3



Protected by copyright. Copying for private or commercial purposes, in part permitted unless authorised by AUDI AG. AUDI AG does not guarantee or with respect to the correctness of information in this document. Copyright

A91-10909



# 1 Component Locations: Suspension System

## 1.1 Audi Magnetic Ride (AMR) Electronically-Controlled Damping Assembly Overview

1 - Right Front Dampening Adjustment Valve -N337-

2 - Right Front Level Control Sensor -G289-

❑ Component location: ⇒ [page 3](#)

3 - Electronic Damping Control Module -J250-

❑ Component location: The Electronic Damping Control Module is installed under the passenger's seat ⇒ [page 2](#)

4 - Dampening Adjustment Button -E387-

❑ Component location: The Dampening Adjustment Button is installed in the center console switch strip

5 - Right Rear Dampening Adjustment Valve -N339-

6 - Right Rear Level Control System Sensor -G77-

❑ Component location: ⇒ [page 3](#)

7 - Left Rear Dampening Adjustment Valve -N338-

8 - Left Rear Level Control System Sensor -G76-

❑ Component location: ⇒ [page 3](#)

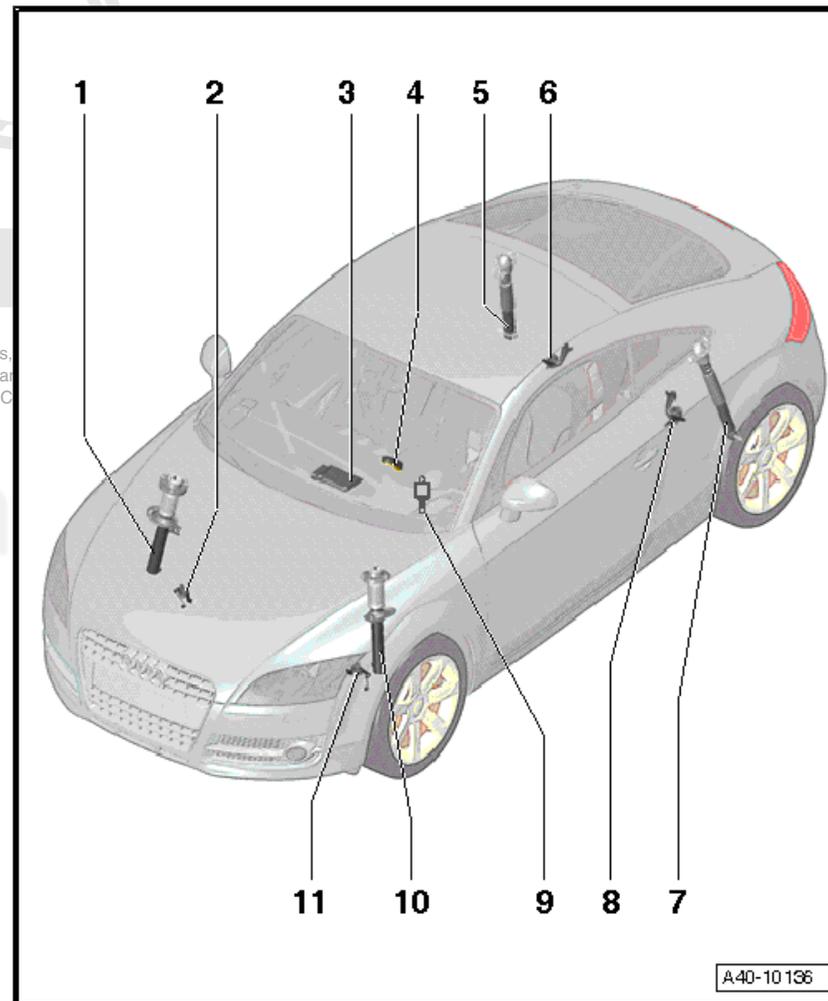
9 - Dampening Adjustment Indicator Lamp -K189-

10 - Left Front Dampening Adjustment Valve -N336-

11 - Left Front Level Control System Sensor -G78-

❑ Component location: ⇒ [page 3](#)

Protected by copyright. Copying for private or commercial purposes, permitted unless authorised by AUDI AG. AUDI AG does not guarantee with respect to the correctness of information in this document. ©

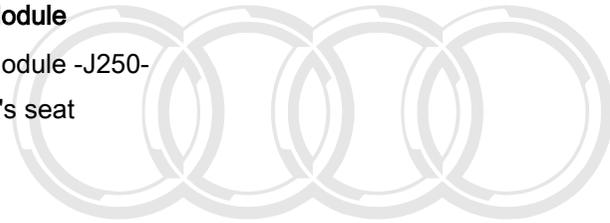


A40-10136

**Electronic Damping Control Module**

Electronic Damping Control Module -J250-

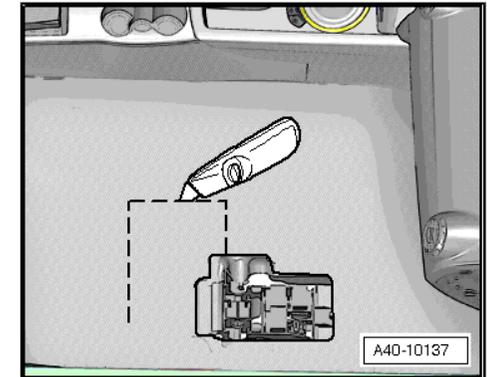
Installed under the passenger's seat



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

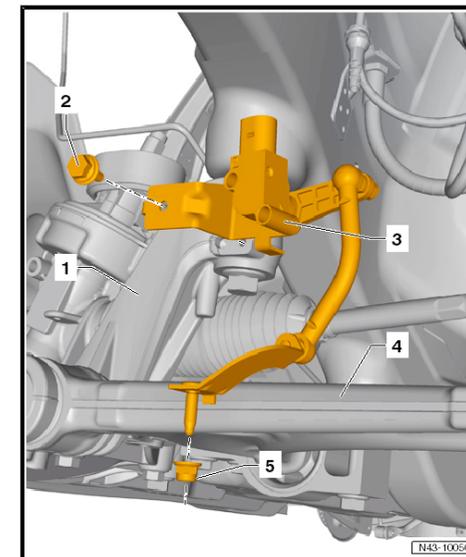
erWin



**Level Control System Sensors**

3 - Left Front Level Control System Sensor -G78- , Right Front Level Control Sensor -G289- , Left Rear Level Control System Sensor -G76- , and Right Rear Level Control System Sensor -G77-

All sensors are mounted similarly



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1 Component Locations: Transmission Systems

- ◆ 6-Speed DSG Transmission 02E Overview ⇒ [page 2](#)
- ◆ 7-Speed DSG Transmission 0BH Overview ⇒ [page 6](#)
- ◆ Selector Mechanism Assembly Overview ⇒ [page 8](#)
- ◆ Kick Down Switch ⇒ [page 9](#)
- ◆ Clutch Position Sensor ⇒ [page 10](#)



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.1 6-Speed DSG Transmission 02E Overview

### 1 - Direct Shift Gearbox (DSG) Mechatronic -J743-

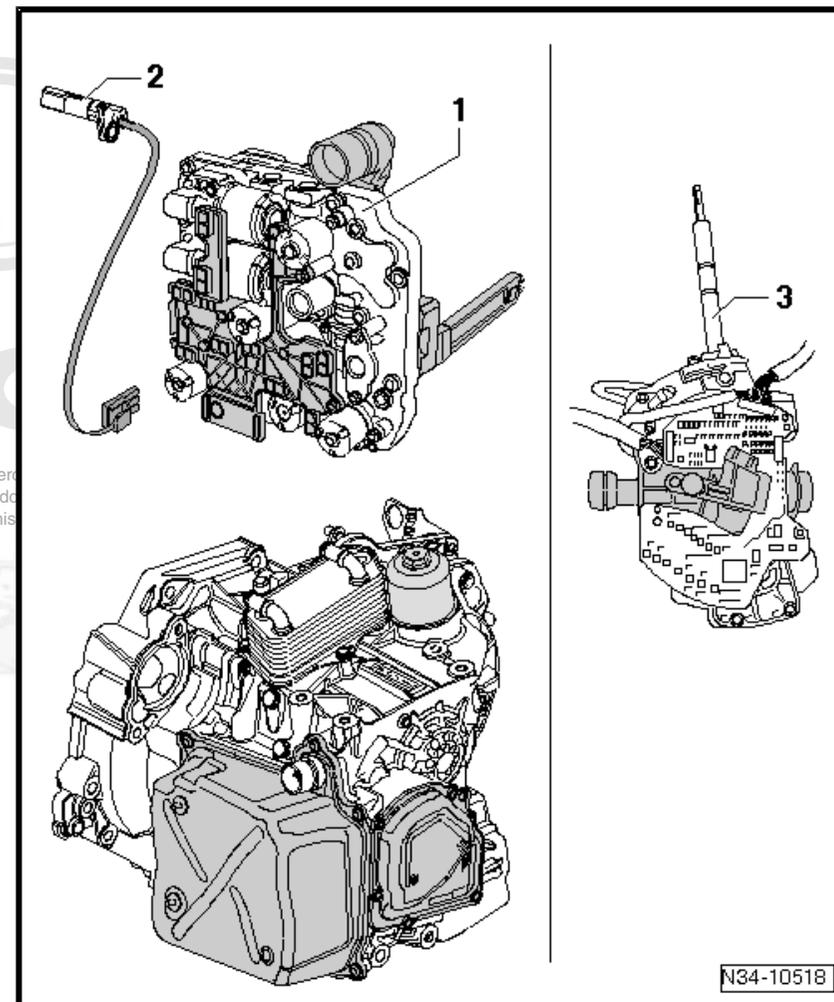
- Integrated onto the Direct Shift Gearbox (DSG) ⇒ [page 3](#)

### 2 - Transmission Input Speed (RPM) Sensor -G182- and Clutch Oil Temperature Sensor -G509-

- Both sensors are integrated and are located near the multi plate clutch ⇒ [page 5](#)

### 3 - Selector Lever -E313-

- With Selector Lever Sensor System Control Module -J587- , Shift Lock Solenoid -N110-, and Tiptronic Switch -F189- ⇒ [page 8](#)



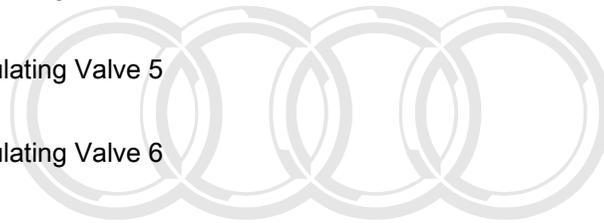
Protected by copyright. Copying for private or commercial use is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document.

**Valve Body**

Direct Shift Gearbox (DSG) Mechatronic -J743- is integrated onto the Direct Shift Gearbox (DSG)

The following are secured to the valve body or integrated to the Direct Shift Gearbox (DSG) Mechatronic -J743-

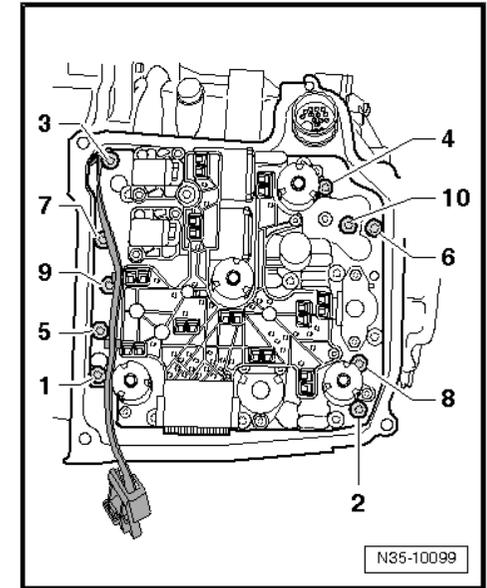
- ◆ Automatic Transmission Pressure Regulating Valve 1 -N215-
- ◆ Automatic Transmission Pressure Regulating Valve 2 -N216-
- ◆ Automatic Transmission Pressure Regulating Valve 3 -N217-
- ◆ Automatic Transmission Pressure Regulating Valve 4 -N218-
- ◆ Automatic Transmission Pressure Regulating Valve 5 -N233-
- ◆ Automatic Transmission Pressure Regulating Valve 6 -N371-
- ◆ Solenoid Valve 1 -N88-
- ◆ Solenoid Valve 2 -N89-
- ◆ Solenoid Valve 3 -N90-
- ◆ Solenoid Valve 4 -N91-
- ◆ Solenoid Valve 5 -N92-
- ◆ Temperature Sensor (in Control Module) -G510-
- ◆ Automatic Transmission Hydraulic Pressure Sensor 1 -G193-
- ◆ Automatic Transmission Hydraulic Pressure Sensor 2 -G194-
- ◆ Transmission Output Speed (RPM) Sensor -G195-
- ◆ Transmission Output Speed (RPM) Sensor 2 -G196-
- ◆ Gear Position Distance Sensor 1 -G487-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



- ◆ Gear Position Distance Sensor 2 -G488-
- ◆ Gear Position Distance Sensor 3 -G489-
- ◆ Gear Position Distance Sensor 4 -G490-
- ◆ Driveshaft Speed Sensor 1 -G501-
- ◆ Driveshaft Speed Sensor 2 -G502-
- ◆ Transmission Fluid Temperature Sensor -G93-
- ◆ Back-Up Light Switch -F4-


Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



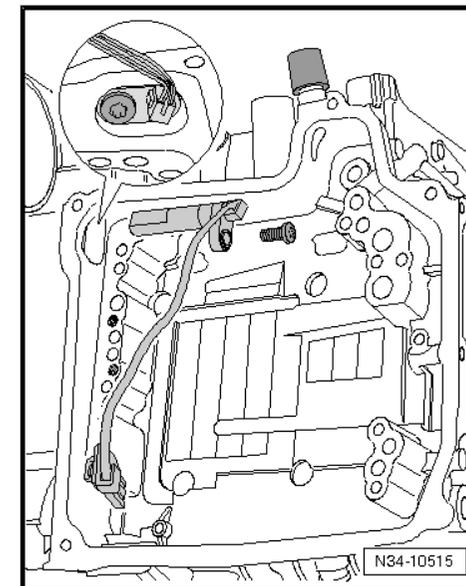
**Input Speed (RPM) Sensor and Clutch Oil Temperature Sensor**

- ◆ Transmission Input Speed (RPM) Sensor -G182- and Clutch Oil Temperature Sensor -G509-

Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

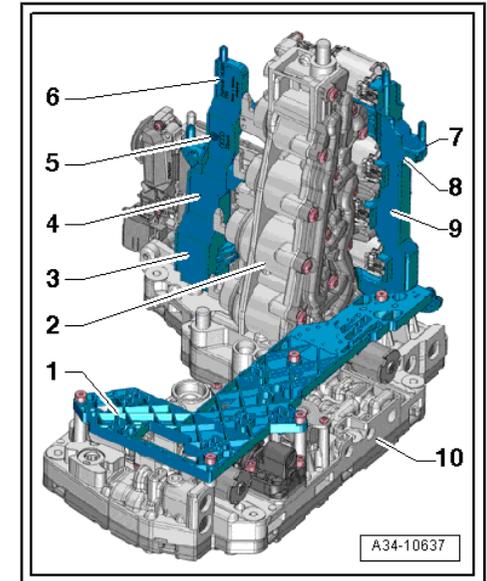
erWin



## 1.2 7-Speed DSG Transmission 0BH Overview

**Gear selector, mechatronic temperature sensor in the overview**

- 1 - Circuit Board 1
- 2 - Gear Selector Module
- 3 - Gear Position Distance Sensor 1 -G487- for gear selector 2-R
- 4 - Gear Position Distance Sensor 2 -G488- for gear selector 1-3
- 5 - Gear Position Distance Sensor 3 -G489- for gear selector 7-5
- 6 - Gear Position Distance Sensor 4 -G490- for gear selector 4-6
- 7 - Clutch Oil Temperature Sensor -G509-
- 8 - Transmission Input Speed (RPM) Sensor 3 -G641- for the clutch input speed sensor
- 9 - Circuit Board 2
- 10 - Electro-Hydraulic Control Module



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



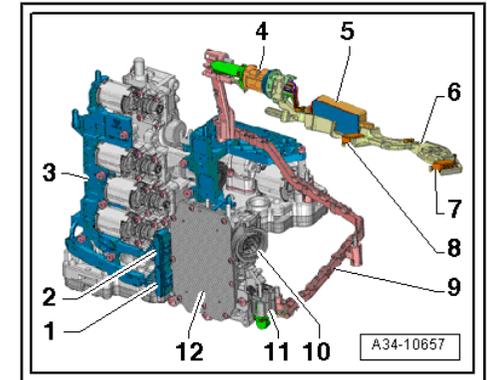
**Mechatronic connectors and sensor module**

Mechatronic connectors:

- 1 - Transmission control module to circuit board 1
- 2 - Transmission control module to circuit board 2
- 3 - Circuit board 2
- 4 - Sensor module to wire set
- 5 - Drive Position Sensor -G676-
- 6 - Circuit board 3 in the sensor module
- 7 - Transmission Input Speed (RPM) Sensor 1 -G632-
- 8 - Transmission Input Speed (RPM) Sensor 2 -G612-
- 9 - Wire set with wiring channel
- 10 - Transmission control module to vehicle wiring harness
- 11 - Transmission control module to sensor module
- 12 - Transmission Control Module (TCM)

The Following items are, also, Integrated into the Mechatronic Module:

- ◆ Sub-Transmission 1 Valve 3 -N435- , Sub-Transmission 1 Valve 4 -N436- , Sub-Transmission 2 Valve 3 -N439- , Sub-Transmission 2 Valve 4 -N440- , Cooling Oil Valve -N471- , Main Pressure Valve -N472- , Sub-Transmission 1 Valve 1 -N433- , Sub-Transmission 1 Valve 2 -N434- , Sub-Transmission 2 Valve 1 -N437- , and Sub-Transmission 2 Valve 2 -N438-
- ◆ Temperature Sensor (in Control Module) -G510- , Automatic Transmission Hydraulic Pressure Sensor 1 -G193- , and Automatic Transmission Hydraulic Pressure Sensor 2 -G194-



**Note** Copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

*The "Mechatronic" Unit Can Only Be Replaced As A Complete Unit*



### 1.3 Selector Mechanism Assembly Overview

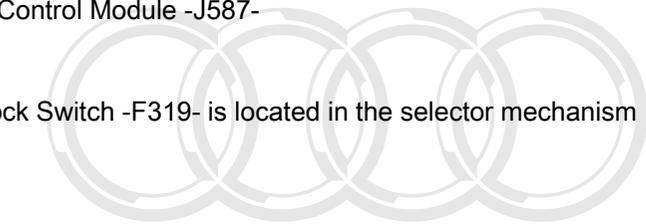
**1 - Shift Cover with Knob**

**2 - Selector Lever and Selector Mechanism**

- Only the Selector Lever Sensor System Control Module -J587- and Shift Lock Solenoid -N110- are located on selector lever

The following are integrated in the selector lever or selector mechanism:

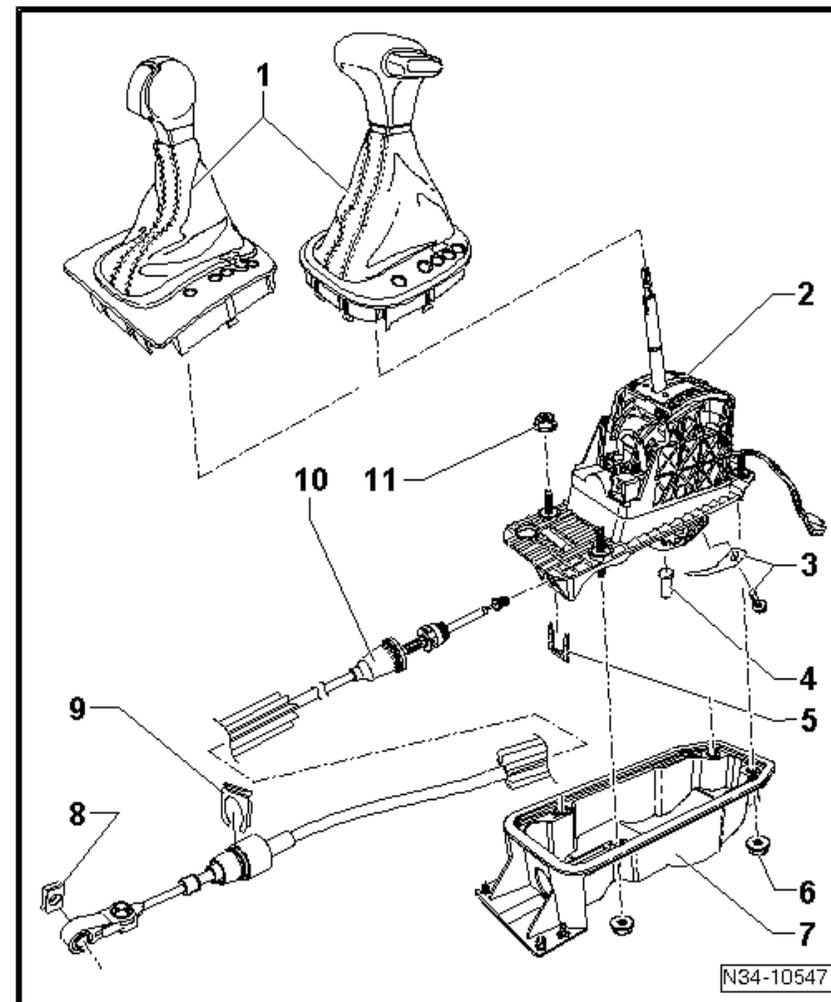
- ◆ Selector Lever Sensor System Control Module -J587-
- ◆ Shift Lock Solenoid -N110-
- ◆ Selector Lever Park Position Lock Switch -F319- is located in the selector mechanism
- ◆ Tiptronic Switch -F189-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



N34-10547

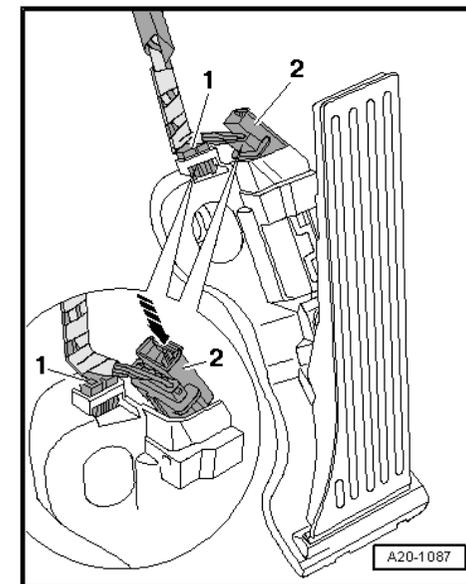
### 1.4 Kick Down Switch

#### Pedal Assembly

2 - Kick Down Switch -F8- integrated into Throttle Position (TP) Sensor -G79-



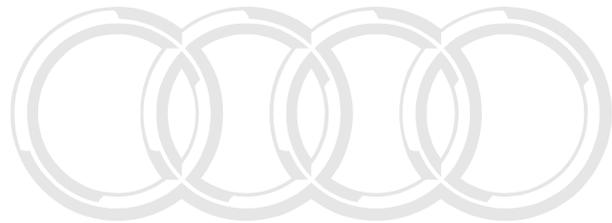
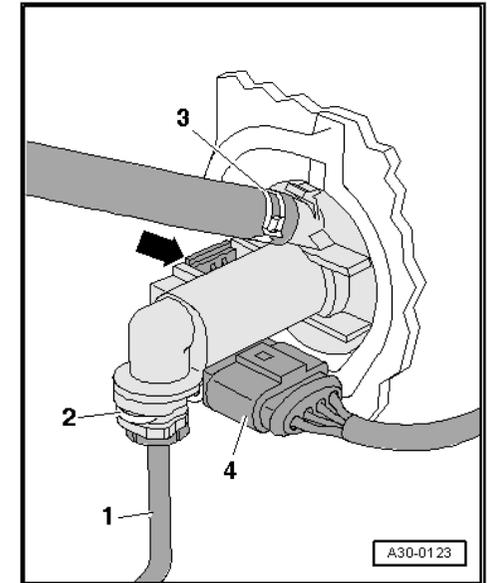
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.5 Clutch Position Sensor

### Sensor

4 - Clutch Position Sensor -G476- located on clutch master cylinder



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Component Locations: Tire Pressure Monitor Systems (TPMS)

## 1.1 Tire Pressure Monitor Systems (TPMS) Overview

### 1 - Tire Pressure Monitoring Button -E226-

- Installed in the center console switch strip

### 2 - Display in Instrument Cluster

### 3 - Tire Pressure Monitoring Control Module -J502-

- Located behind instrument cluster

### 4 - Tire Pressure Monitoring Sensors

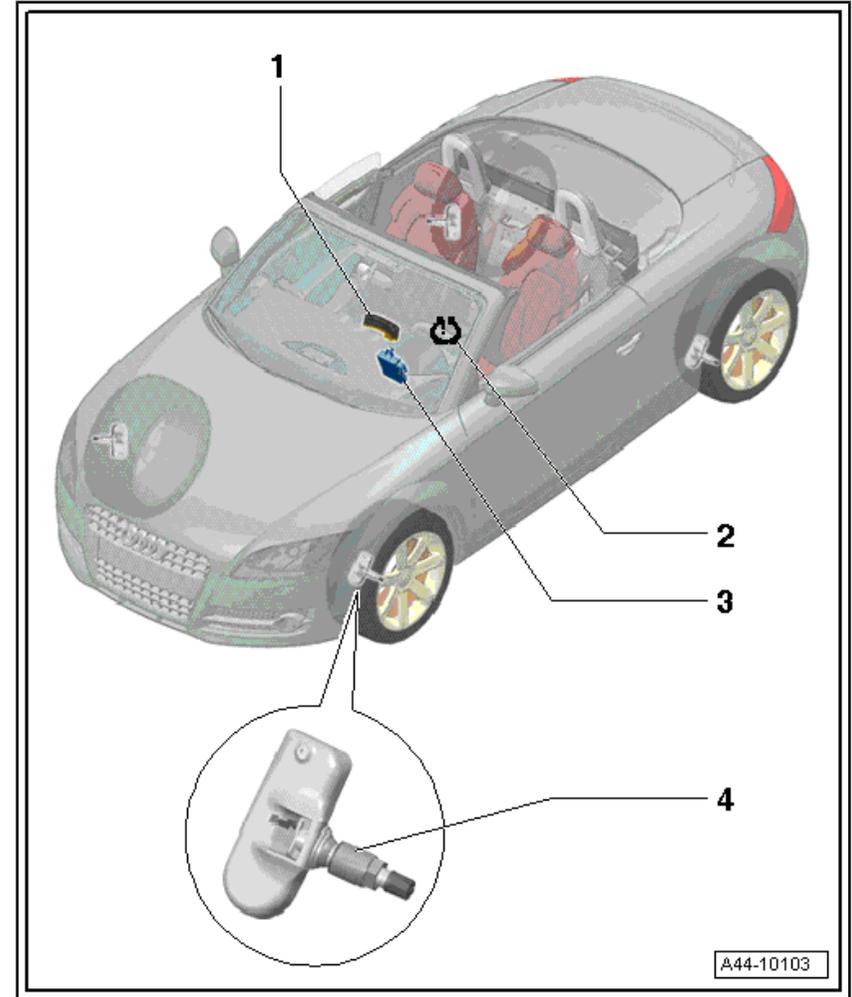
- ◆ Left Front Tire Pressure Monitoring Sensor -G222-
- ◆ Right Front Tire Pressure Monitoring Sensor -G223-
- ◆ Left Rear Tire Pressure Monitoring Sensor -G224-
- ◆ Right Rear Tire Pressure Monitoring Sensor -G225-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin



**1 All-Wheel Drive System**

**1.1 All-Wheel Drive (4MOTION)**

**1 - All Wheel Drive Control Module -J492-**

- Oil Pressure/Temperature Sensor -G437- integrated in Control Module
- Mounted on Rear Differential → [page 2](#)

**2 - Haldex clutch control valve -N373-**

- Mounted on -J492-

**3 - Haldex clutch pump -V181-**

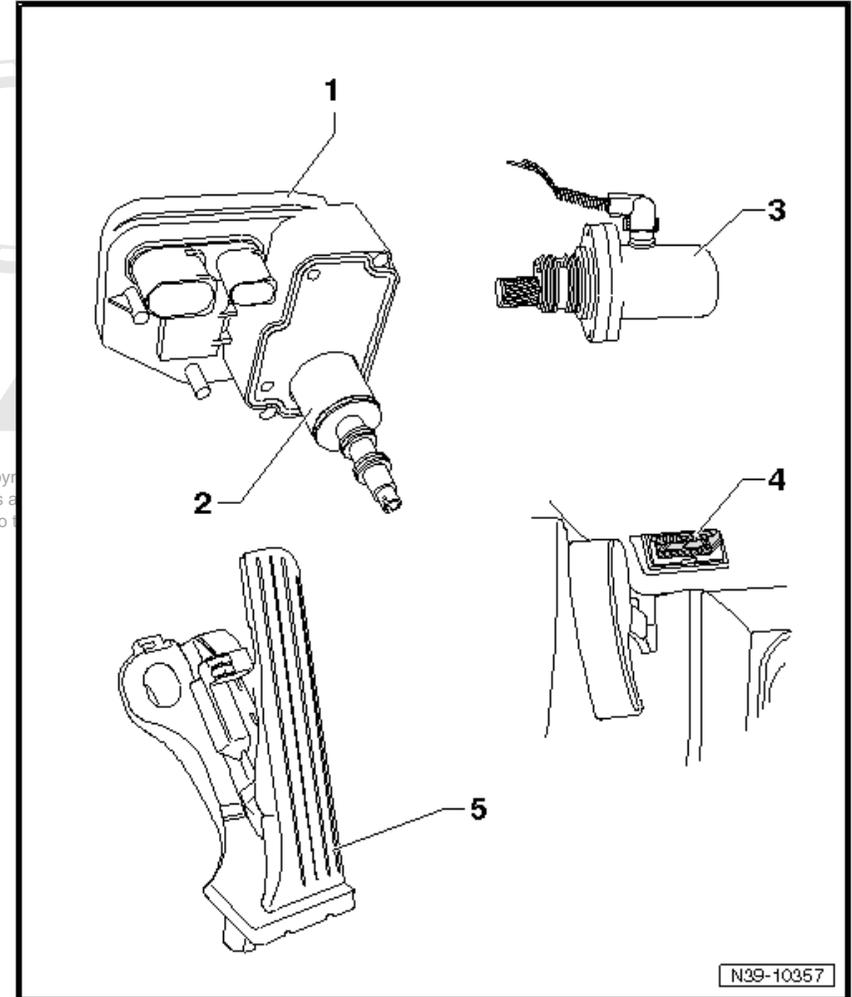
- Mounted on Rear Differential

**4 - Data Link Connector (DLC)**

- Location: Left front footwell.

**5 - Throttle Position (TP) sensor -G79-**

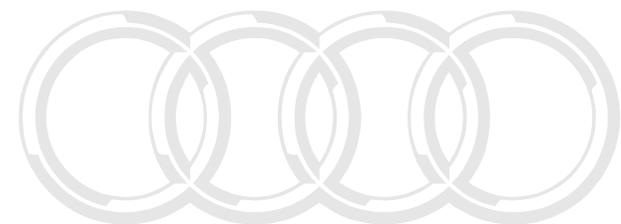
Protected by copyright  
permitted unless a  
with respect to



**Haldex Clutch**

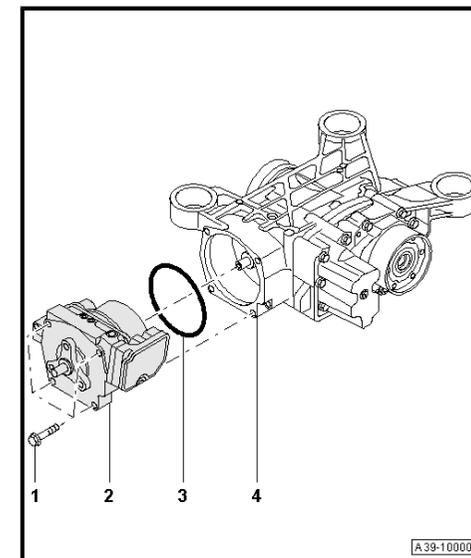
2 - Haldex Clutch with All Wheel Drive Control Module -J492-

4 - Rear Final Drive



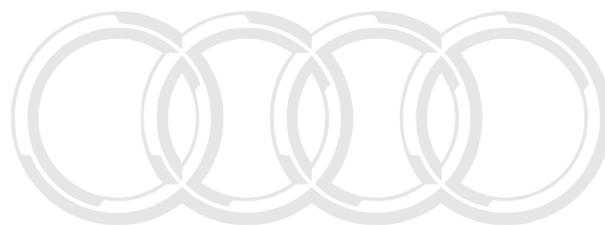
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1 Component Locations: Central Locking / Anti-Theft Systems

- ◆ Central Locking Component Overview ⇒ [page 2](#)
- ◆ Ultrasonic Interior Monitoring Overview ⇒ [page 3](#)
- ◆ Antenna System Overview ⇒ [page 6](#)



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.1 Central Locking Component Overview

### 1 - Front Passenger Door Control Module -J387-

- Located in passenger door
- Integrated with Front Passenger Door Central Locking Lock Unit -F221- :
- ◆ Right Front Central Locking System Actuator -F133-
- ◆ Front Passenger Door Central Locking System Motor -V57-
- ◆ Front Passenger Central Locking (Safe) Motor -V162-

### 2 - Anti-Theft Alarm System Sensor -G578-

- Located in overhead lamp housing
- Contains :
- ◆ Vehicle Inclination Sensor -G384-
- ◆ Interior Monitoring Sensor -G273-

### 3 - Comfort System Central Control Module -J393-

- Central locking control module is located in right rear side panel.

### 4 - Fuel Tank Lid Unlock Motor -V155-

### 5 - Rear Lid Unlock Motor -V139-

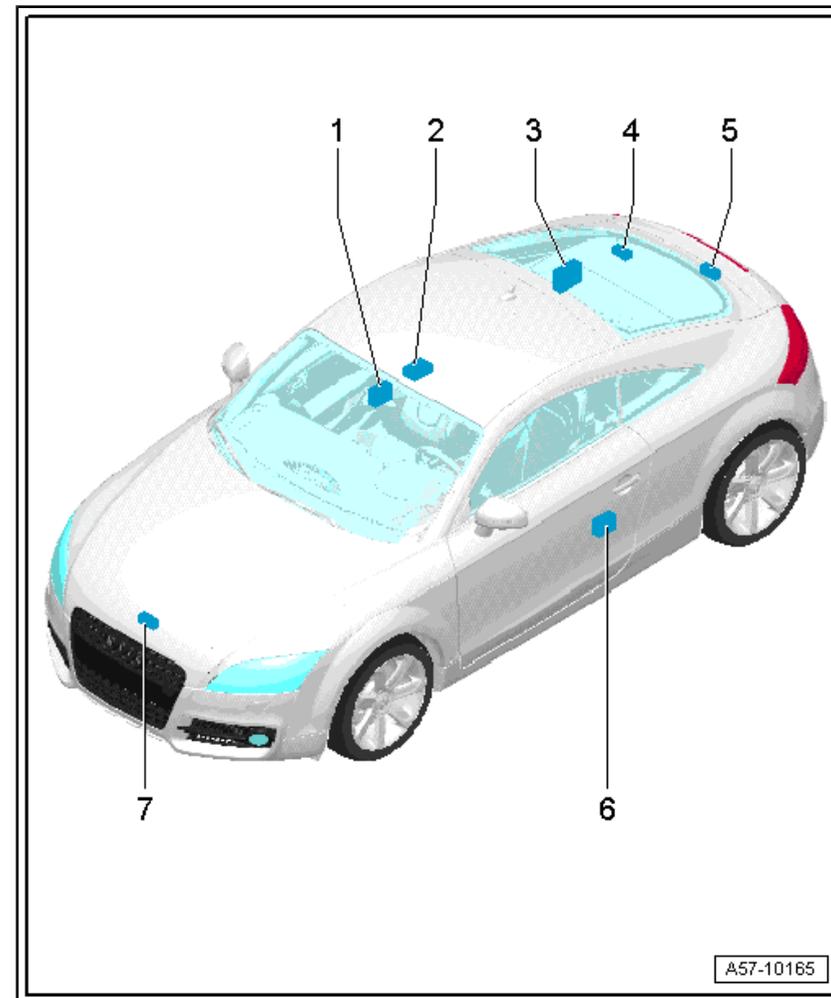
- Located on rear lid lock
- With :
- ◆ Trunk Lid Alarm Switch -F123-
- ◆ Rear Lid Central Locking System Motor -V53-

### 6 - Driver Door Control Module -J386-

- Located in driver door
- Integrated with Driver Door Central Locking Lock Unit -F220- :
- ◆ Left Front Central Locking System Actuator -F131-
- ◆ Driver Door Central Locking System Motor -V56-
- ◆ Driver Door Central Locking (Safe) Motor -V161-

### 7 - Front Hood Switch -F266-

- Located on front hood lock



## 1.2 Ultrasonic Interior Monitoring Overview



Note

*Anti-Theft Immobilizer Control Module -J362- is integrated into Instrument Cluster Control Module -J285-*

### 1 - Alarm Horn -H12-

□ Location ⇒ [page 4](#)

### 6 - Comfort System Central Control Module -J393-

### 7 - Anti-Theft Alarm System Sensor -G578-

□ Location ⇒ [page 5](#)

□ Contains :

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

### ◆ Vehicle Inclination Sensor -G384-

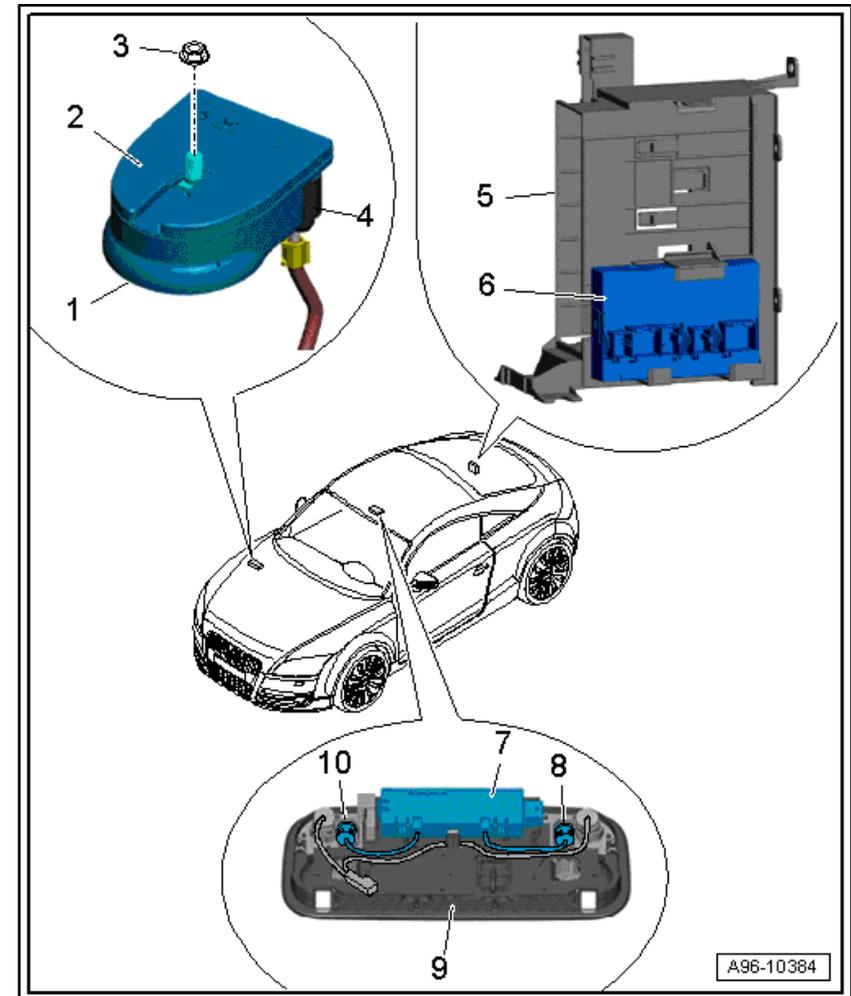
### ◆ Interior Monitoring Sensor -G273-

### 8 - Left Interior Monitoring Individual Sensor

□ Location ⇒ [page 5](#)

### 10 - Right Interior Monitoring Individual Sensor

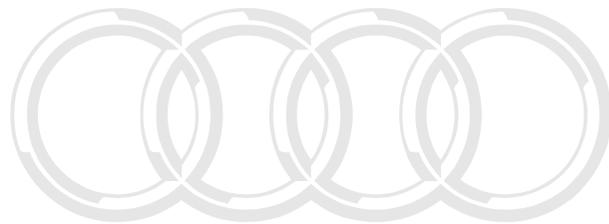
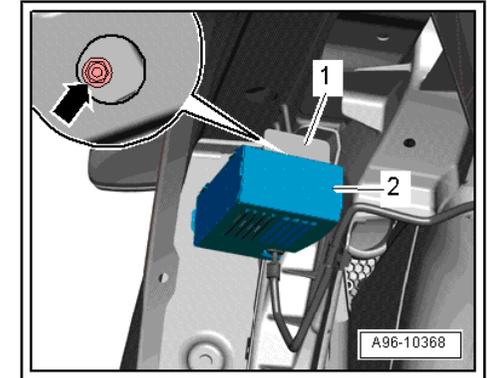
□ Location ⇒ [page 5](#)



**Alarm Horn**

2 - Alarm Horn -H12-

Located behind front right wheel housing liner



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

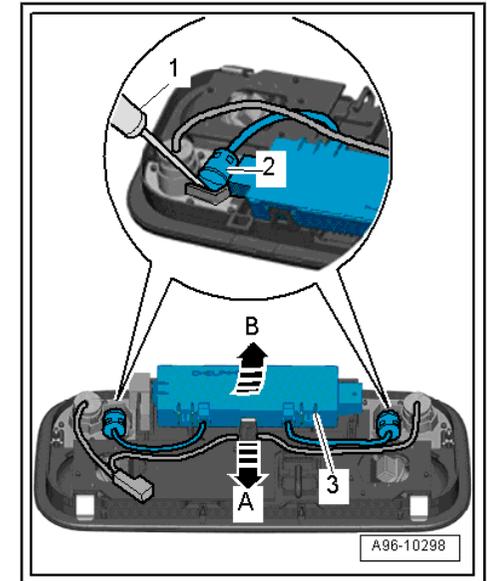


**Anti-Theft Alarm System Sensor**

2 - Individual Interior Monitoring Sensors

3 - Anti-Theft Alarm System Sensor -G578-

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



### 1.3 Antenna System Overview

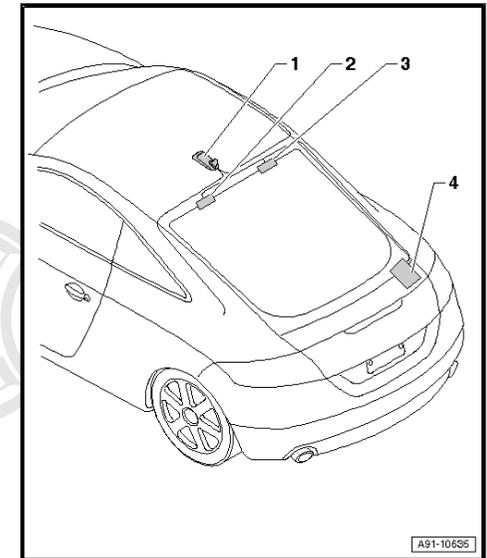
- ◆ Antenna System Coupe ⇒ [page 6](#)
- ◆ Antenna System Roadster ⇒ [page 8](#)

#### Antenna System Coupe

3 - Antenna Amplifier -R24-

Located on the upper right of the rear lid

Central Locking and Anti-Theft Alarm System Antenna -R47- is connected to this Antenna Amplifier



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Antenna Amplifier -R24-**

1 - Central Locking and Anti-Theft Alarm System Antenna -R47-  
CLS connection (gray)

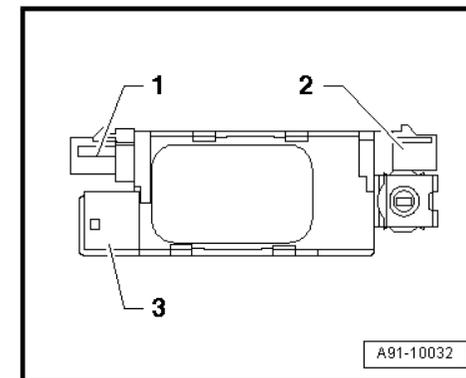
2 - HF1/FM2 connection

3 - Window antenna connection (1 - FM1, 2 - CLS, 3 - AM)



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Antenna System Roadster**

7 - Antenna Amplifier -R24-

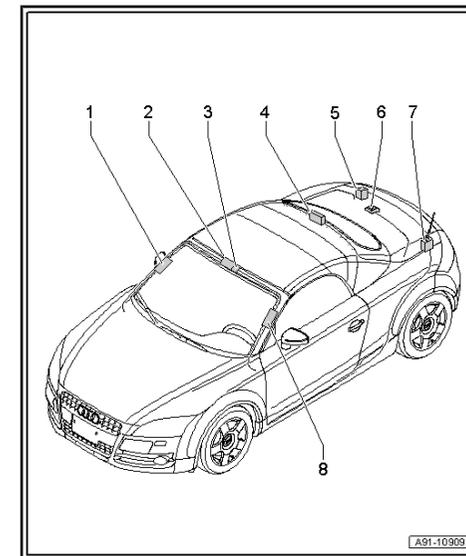
Located on the bass on the antenna mast

Central Locking and Anti-Theft Alarm System Antenna -R47- is connected to this Antenna Amplifier



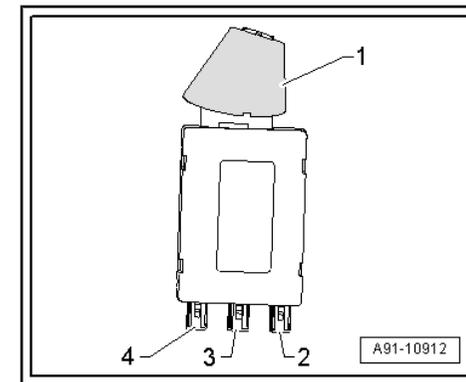
Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Antenna Amplifier -R24-**

- 1 - Grommet with Antenna -R11- (AM/FM1) mast antenna
- 2 - DAB connection (black)
- 3 - Central Locking and Anti-Theft Alarm System Antenna -R47- CLS connection (gray)
- 4 - AM/FM1/HF1 connection (white)



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# 1 Component Locations: Convertible Top System

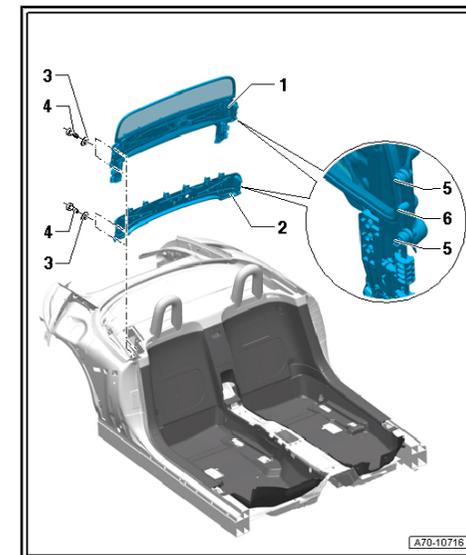
## 1.1 Convertible Top System

### Wind Deflector

1 - Wind Deflector

Wind Deflector Motor (Cabrio) -V186- attached to Lift hinge assembly for wind deflector

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Convertible Top Latch**

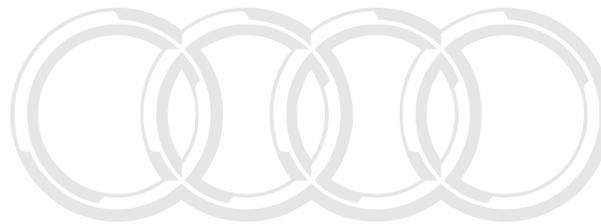
3 - Convertible Top Lock

**Right Side :**

- ◆ Convertible Top Right Lock Switch -F170-
- ◆ Convertible Top Lock Switch (closed) -F295-

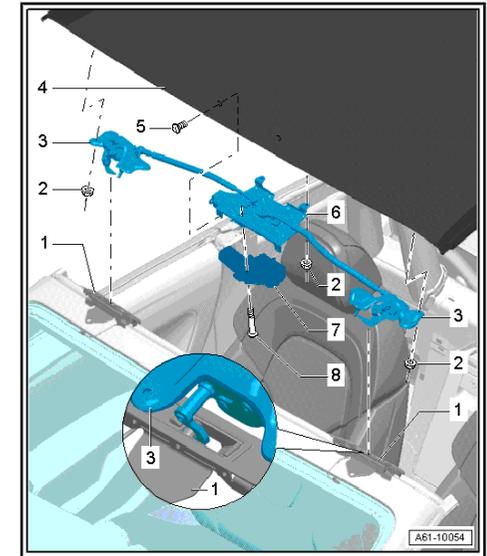
**Left Side :**

- ◆ Convertible Top Front Lock Switch -F172-
- ◆ Convertible Top Lock Switch (closed) -F295-
- 6 - Convertible Top Latch
- ◆ Convertible Top Lock Switch (open) -F294-
- 7 - Convertible Top Locking Motor -V223-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**Convertible Top Frame Flap**

2 - Convertible Top Frame Cover

3 - Push Rod

The push rod is connected to:

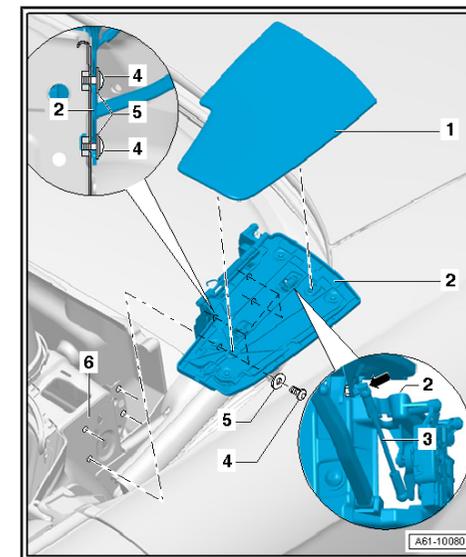
- ◆ Right Top Flap Motor -V381- with integrated Right Top Flap Sensor -G597-

- ◆ Left Top Flap Motor -V383- with integrated Left Top Flap Sensor -G596-

6 - Main Bracket

- ◆ Convertible Top Open Position Switch -F171-

- ◆ Convertible Top Closed Position Switch -F202-



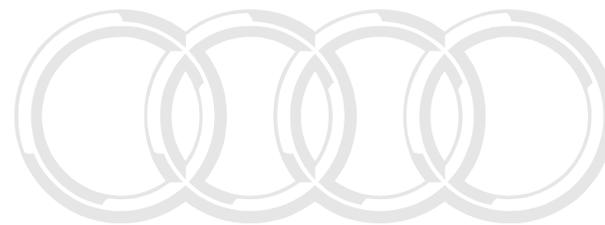
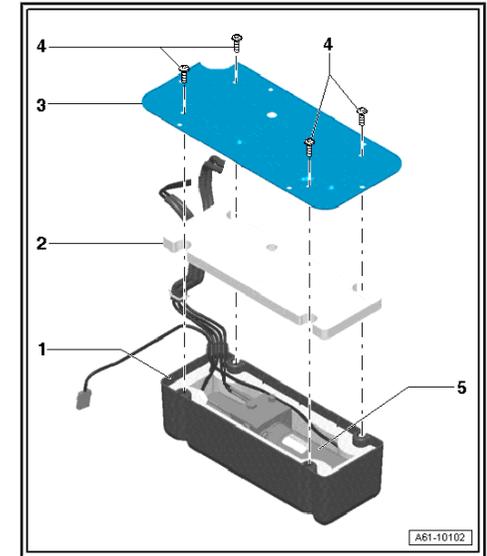
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



Hydraulic Pump

5 - Convertible Top Hydraulic Pump -V118-

Located in the floor under the convertible top



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1 Component Locations: Comfort System

- ◆ Power and Heated Seats ⇒ [page 2](#)
- ◆ Rear Lid Spoiler ⇒ [page 5](#)
- ◆ Adaptive HID Headlamps ⇒ [page 6](#)
- ◆ Garage Door Opener Control Module ⇒ [page 8](#)



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.1 Power and Heated Seats

### 1 - Angle Adjustment Motor

- Driver side: Driver Seat Angle Adjustment Motor -V243-
- Passenger side: Front Passenger Seat Angle Adjustment Motor -V244-

### 2 - Seat Forward/Back Adjustment Motor -V288-

### 3 - Backrest Adjustment Motor

- Driver side: Driver Backrest Adjustment Motor -V45-
- Passenger side: Front Passenger Backrest Adjustment Motor -V46-

### 4 - Lumbar Support Height Adjustment Motor

- Driver side: Driver Seat Lumbar Support Height Adjustment Motor -V129-
- Passenger side: Front passenger Seat Lumbar Support Height Adjustment Motor -V130-

### 5 - Lumbar Support Curvature Adjustment Motor

- Driver side: Driver Seat Lumbar Support Curvature Adjustment Motor -V125-
- Passenger side: Front Passenger Seat Lumbar Support Curvature Adjustment Motor -V126-

### 6 - Stop Switch Coupling

### 7 - Housing with Stop Switch

- For driver's Driver Backrest Stop Switch -E69-
- For passenger's Front Passenger Backrest Stop Switch -E70-

### 8 - Height Adjustment Motor

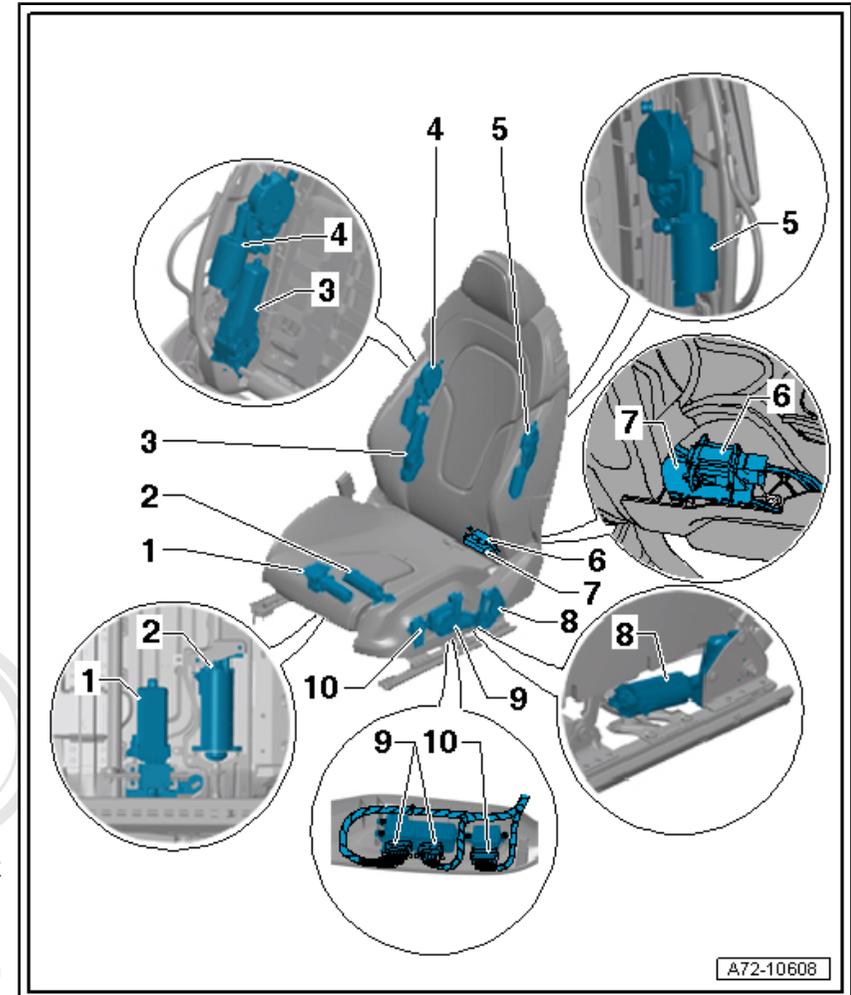
- Driver side: Driver Seat Height Adjustment Motor -V245-
- Passenger side: Front Passenger Seat Height Adjustment Motor -V246-

### 9 - Switch

- Driver Seat Forward/Back Adjustment Switch -E363- or Front Passenger Seat Forward/Back Adjustment Switch -E64-
- Driver Backrest Adjustment Switch -E96- or Passenger Backrest Adjustment Switch -E98-
- Driver Seat Angle Adjustment Switch -E222- or Front Passenger Seat Tilt Adjustment Button -E334-
- Driver Seat Height Adjustment Switch -E364- or Front Passenger Seat Height Adjustment Switch -E365-

### 10 - Lumbar Support Adjustment Switch

- Driver side: Driver Seat Lumbar Support Adjustment Switch -E176-
- Passenger side: Front Passenger Seat Lumbar Support Adjustment Switch -E177-

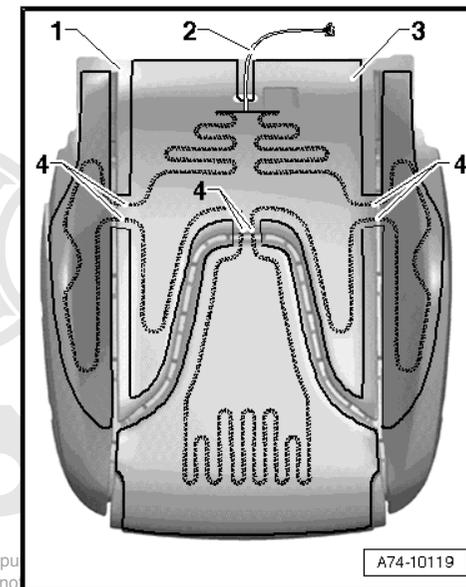


A72-10608

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

**Seat Bottom Heater**

3 - Left Front Heated Seat -Z45- or Right Front Heated Seat -Z46- , Driver Seat Heating Element -Z6- or Front Passenger Seat Heating Element -Z8-

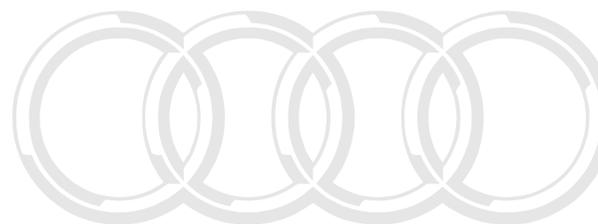
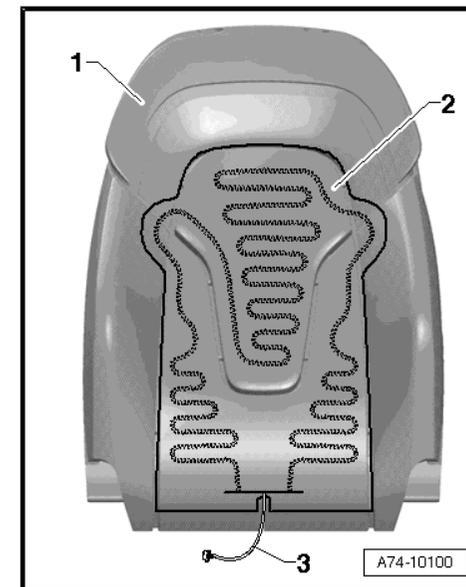


Protected by copyright. Copying for private or commercial purposes is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

A74-10119

**Seat Back Heater**

2 - Driver Backrest Heating Element -Z7- or Front Passenger  
Backrest Heating Element -Z9-



Audi

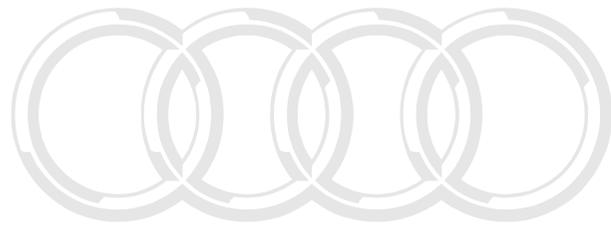
Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.2 Rear Lid Spoiler

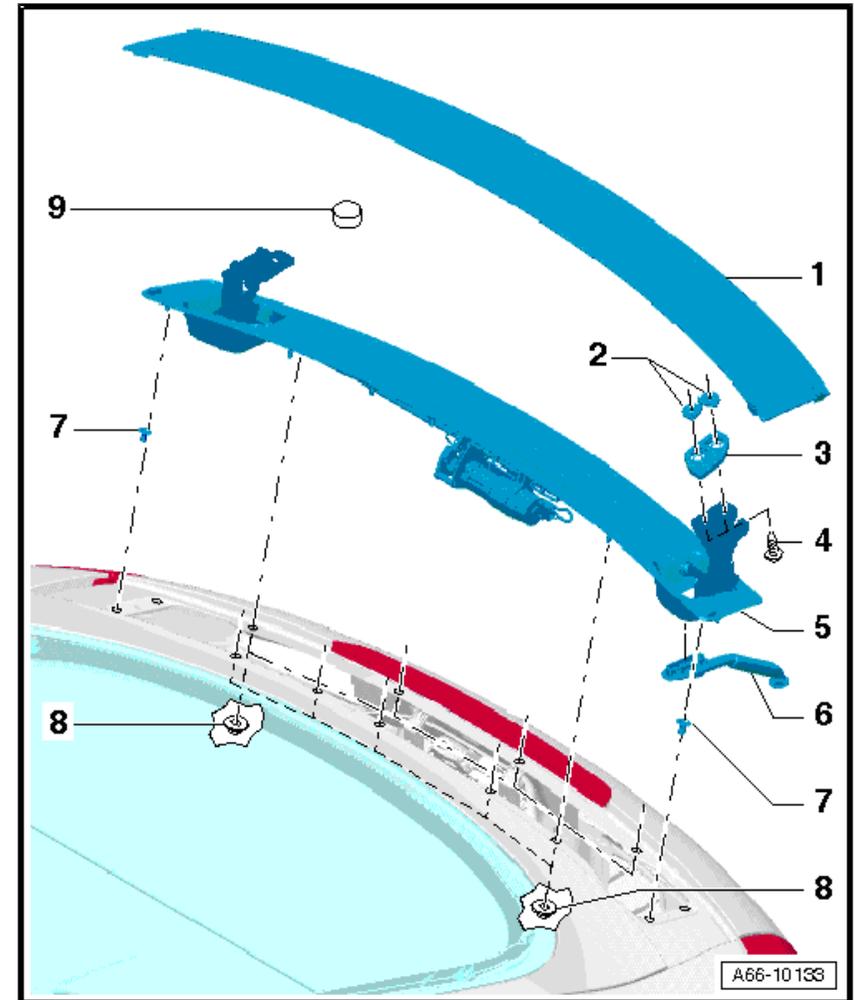
### 5 - Rear Spoiler Motor -V52-

- With integrated switches :
- ◆ Rear Spoiler Stop Switch 1 -F135-
- ◆ Rear Spoiler Stop Switch 2 -F136-



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



A66-10 13G

### 1.3 Adaptive HID Headlamps

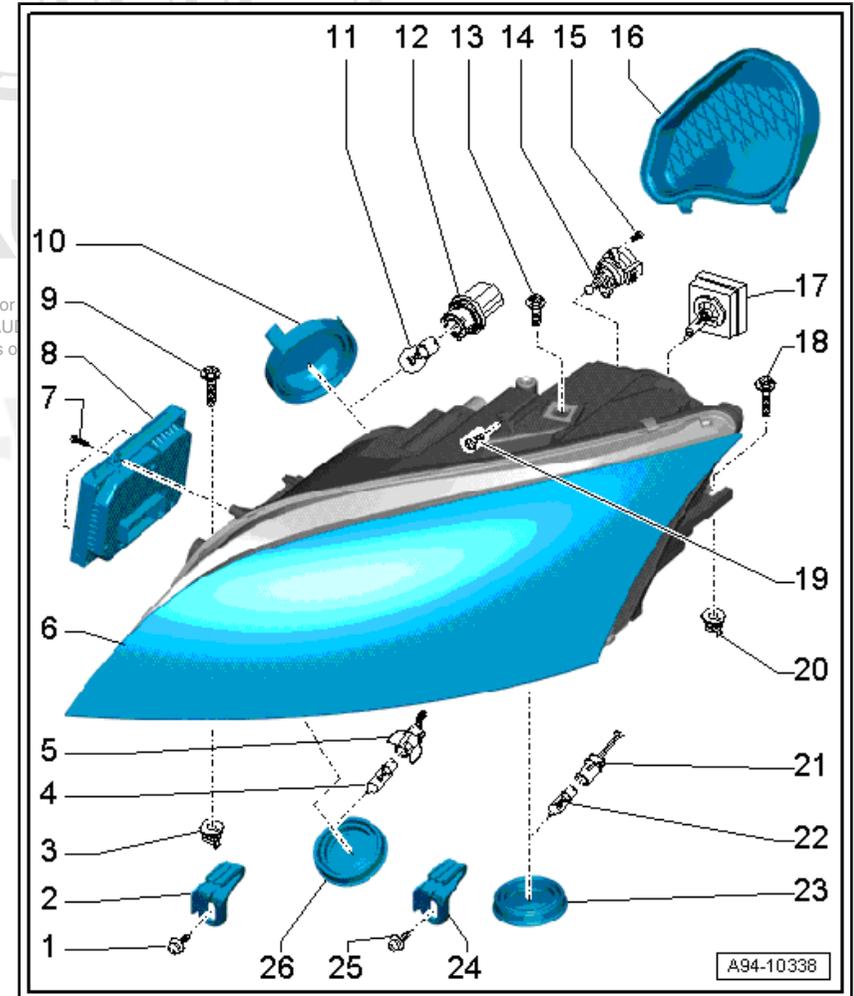
#### 8 - Control Module

- ❑ Left High-intensity Gas Discharge Lamp Control Module -J343-
- ❑ Right High-intensity Gas Discharge Lamp Control Module -J344-

#### 14 - Automatic Headlamp Range Control Adjusting Motor

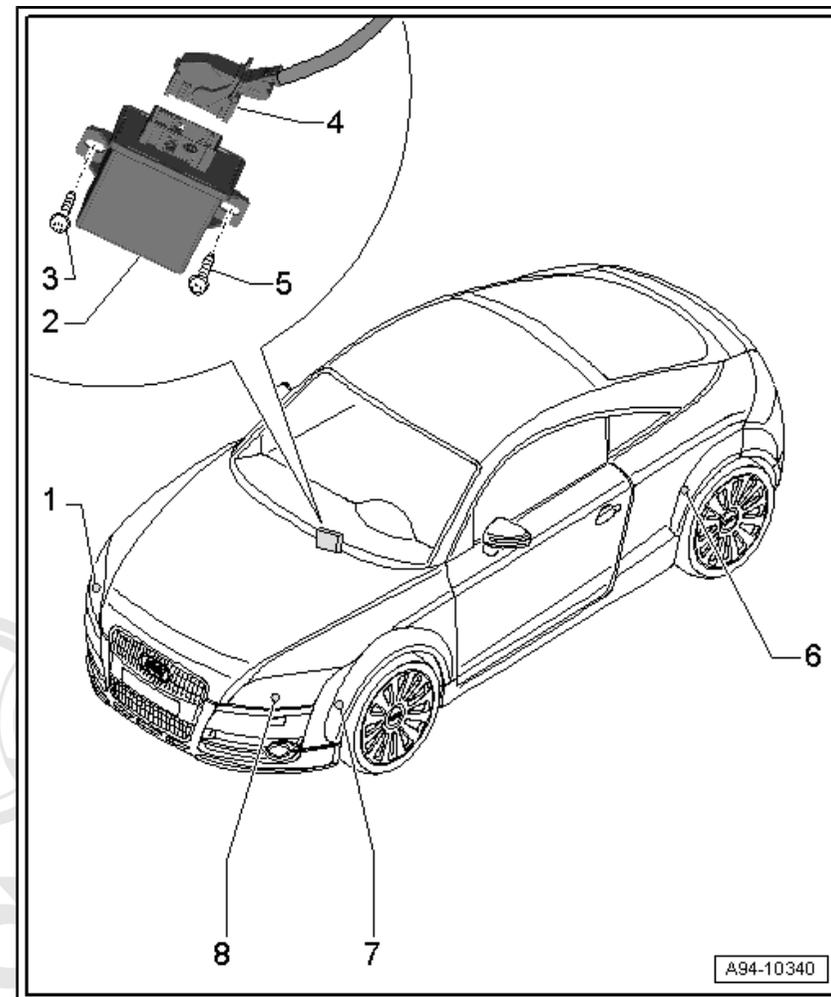
- ❑ Left Headlamp Beam Adjustment Motor -V48-
- ❑ Right Headlamp Beam Adjustment Motor -V49-

Protected by copyright. Copying for permitted unless authorised by Audi with respect to the correctness of



Automatic Headlamp Range Control Assembly Overview

- 1 - Right Headlamp Beam Adjustment Motor -V49-
- 2 - Headlamp Range Control Module -J431-
  - ❑ Component location: Behind instrument cluster
- 6 - Left Rear Level Control System Sensor -G76-
  - ❑ Component location: On left rear control arm
- 7 - Left Front Level Control System Sensor -G78-
  - ❑ Component location: On left front control arm
- 8 - Left Headlamp Beam Adjustment Motor -V48-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



## 1.4 Garage Door Opener Control Module

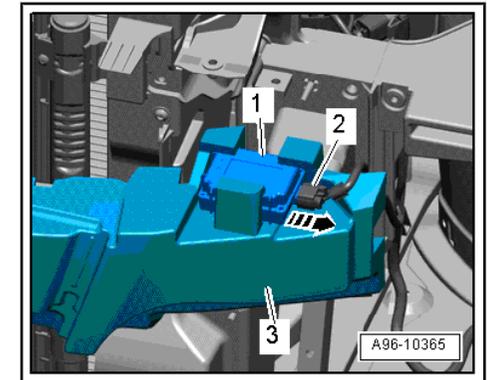
1 - Garage Door Opener Control Module -J530-

2 - Connector

3 - Front Bumper

Garage Door Opener Control Module -J530- is located behind front bumper on the left front side.

Garage Door Opener Control Head -E284- is located in front reading lamps housing



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



**1 Component Locations: Power Steering System**

**1.1 Electro-Mechanical Power Steering**



Note

Arrow points to front of vehicle

**1 - Steering Gear Housing**

**12 - Steering Pinion**

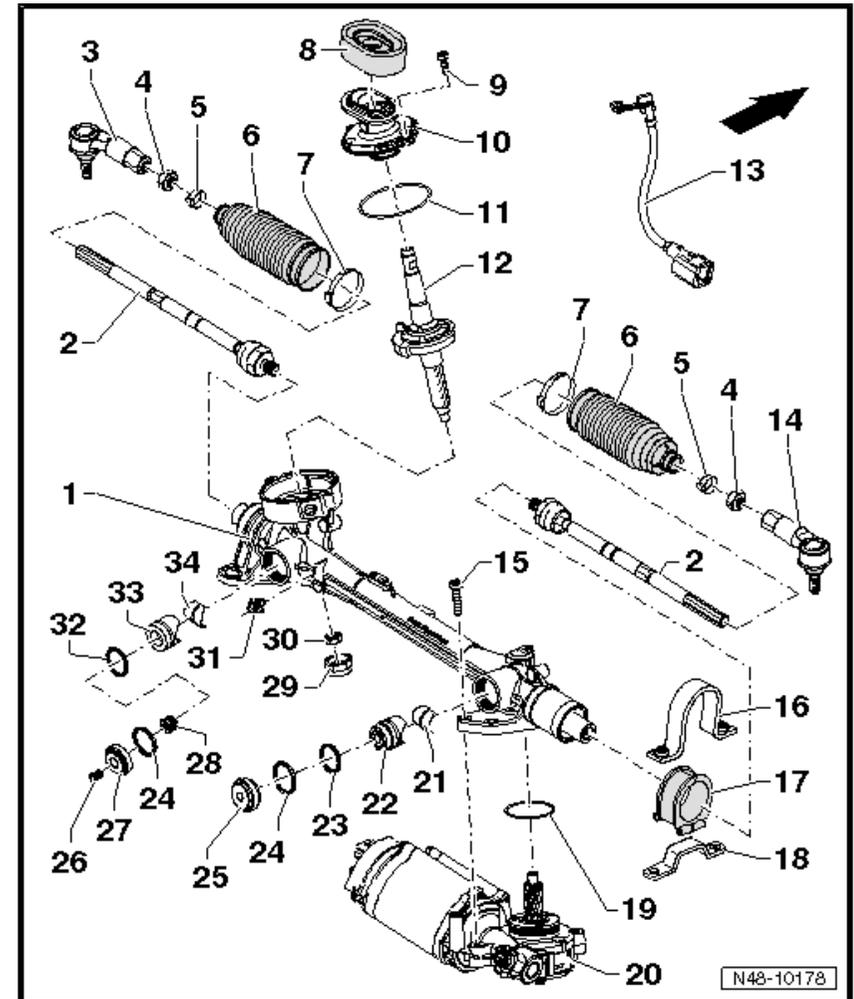
- With Steering Torque Sensor -G269-

**13 - Sensor Wire**

- Electrical connection between Steering Torque Sensor -G269- and Power Steering Control Module -J500-

**20 - Servo Motor With Control Module**

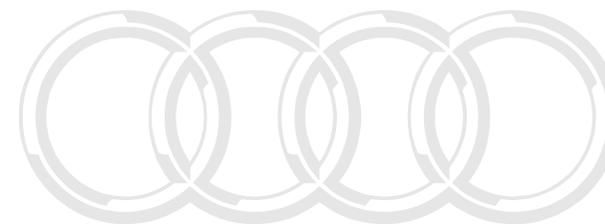
- Power Steering Control Module -J500-
- With Electro-mechanical Power Steering Motor -V187-
- With Steering Motor Speed Sensor -G577-



Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



N48-10178



Audi

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.



# Cautions & Warnings

**Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.**

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Audi retailer or other qualified shop. We especially urge you to consult an authorized Audi retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Audi.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Audi is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Audi retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.

# Cautions & Warnings

- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.
- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly, do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Audi specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.

# Cautions & Warnings

- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Audi Service technicians should test, disassemble or service the airbag system.
- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Audi Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

**I have read and I understand these Cautions and Warnings.**



**Audi**

Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

erWin