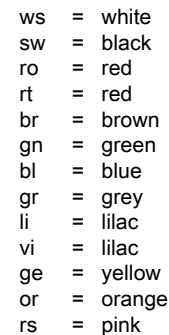


**Standard equipment**  
from September 2008



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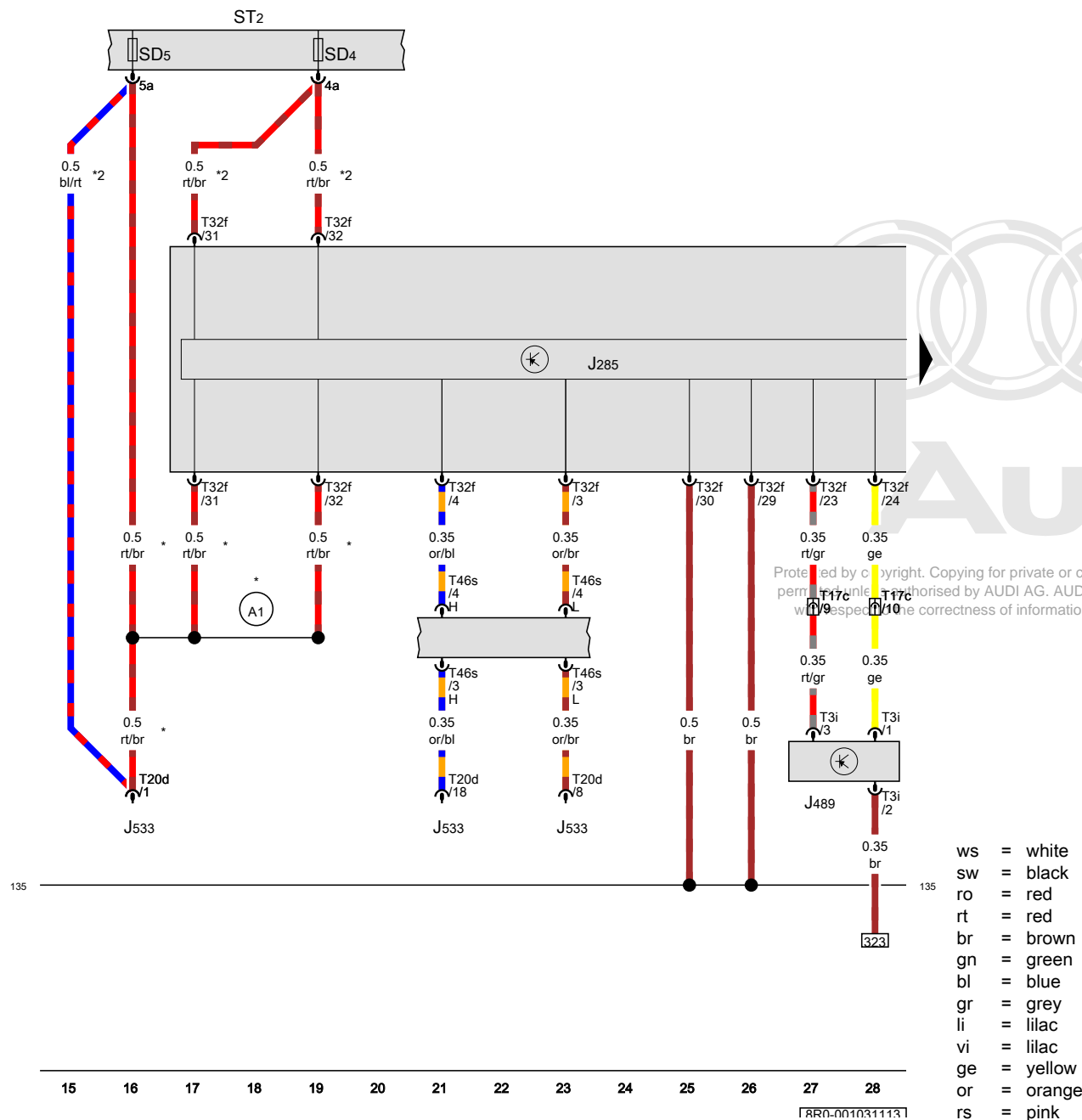


E415	Access/start authorization switch
ST2	Fuse panel 2
SD6	Fuse 6 (on fuse panel D)
T16g	16-pin connector
T17g	17-pin connector, in the connector station, right A-pillar
135	Ground connection 2 (in instrument panel wiring harness)
687	Ground connection 1 on center tunnel
A209	LIN bus connection 1 (in instrument panel wiring harness)

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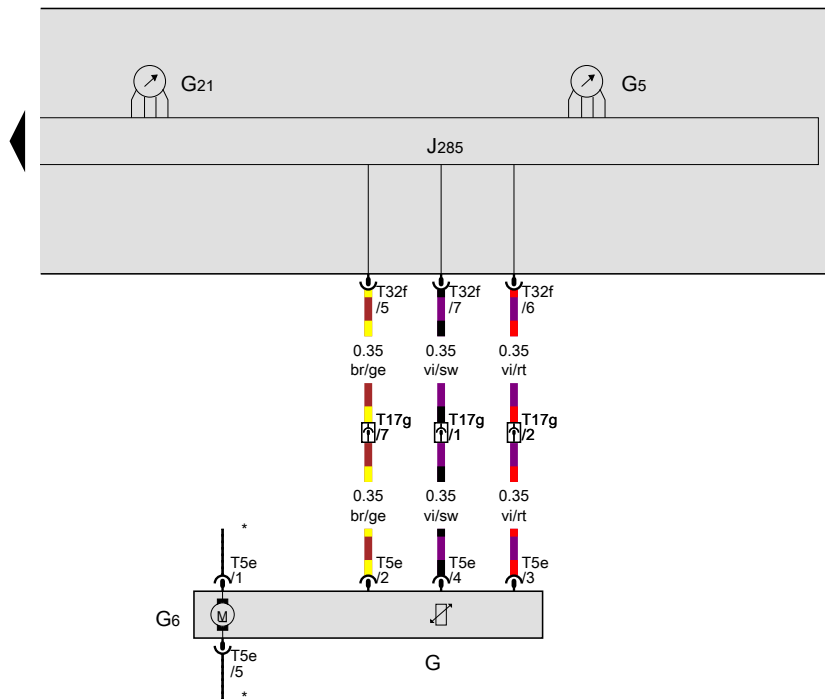
Instrument cluster control module, Radio frequency controlled clock receiver

- J285 Instrument cluster control module
- J489 Radio frequency controlled clock receiver
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T3i 3-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- A1 Positive connection (30a) (in instrument panel wiring harness)
- \* through April 2009
- \*2 from May 2009



Fuel level sensor, Transfer fuel pump, Instrument cluster control module

- G Fuel level sensor
- G5 Tachometer
- G6 Transfer fuel pump
- G21 Speedometer
- J285 Instrument cluster control module
- T5e 5-pin connector
- T17g 17-pin connector, in the connector station, right A-pillar
- T32f 32-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable engine wiring diagram



135

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

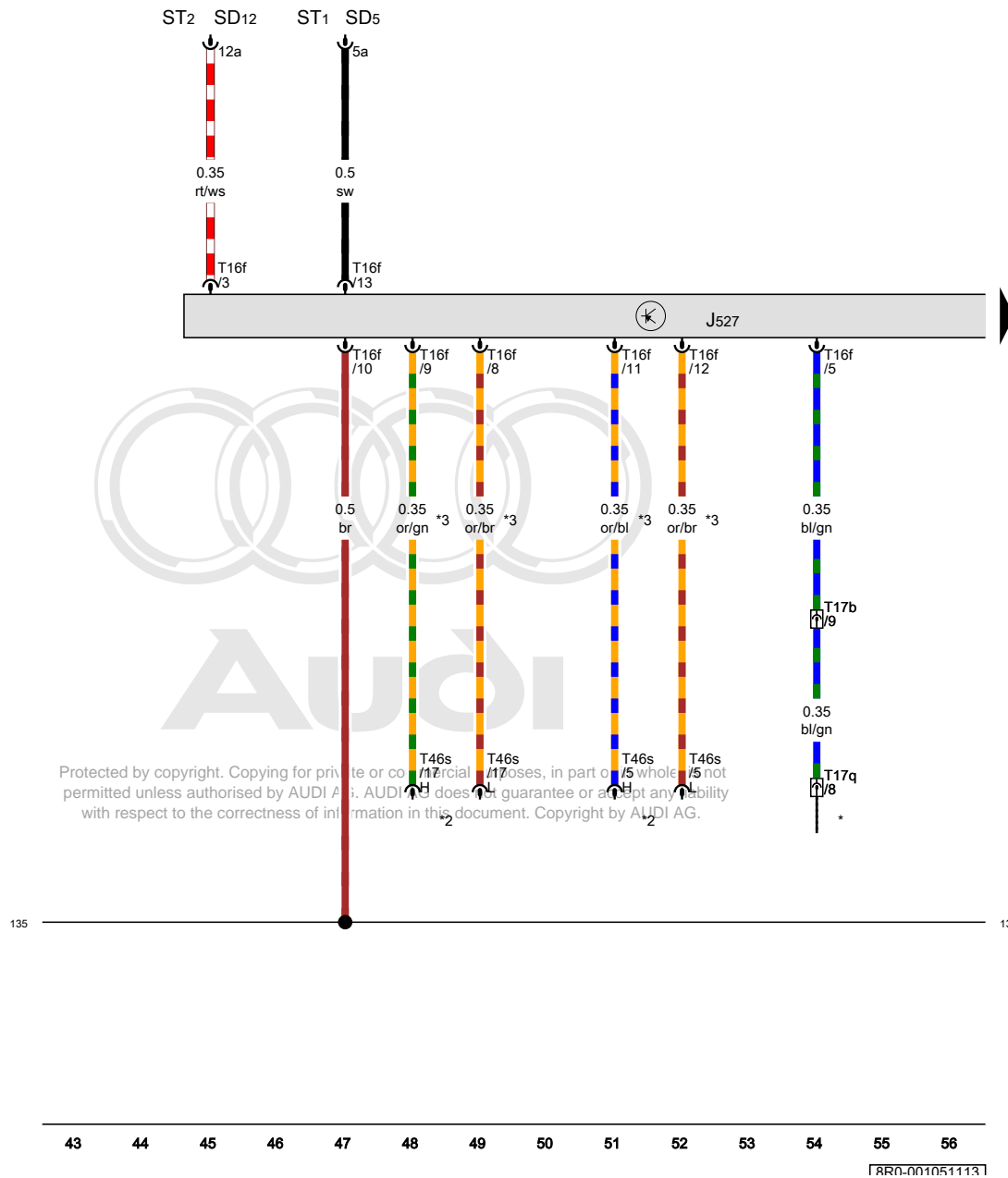
29 30 31 32 33 34 35 36 37 38 39 40 41 42

[ARB-001041113]



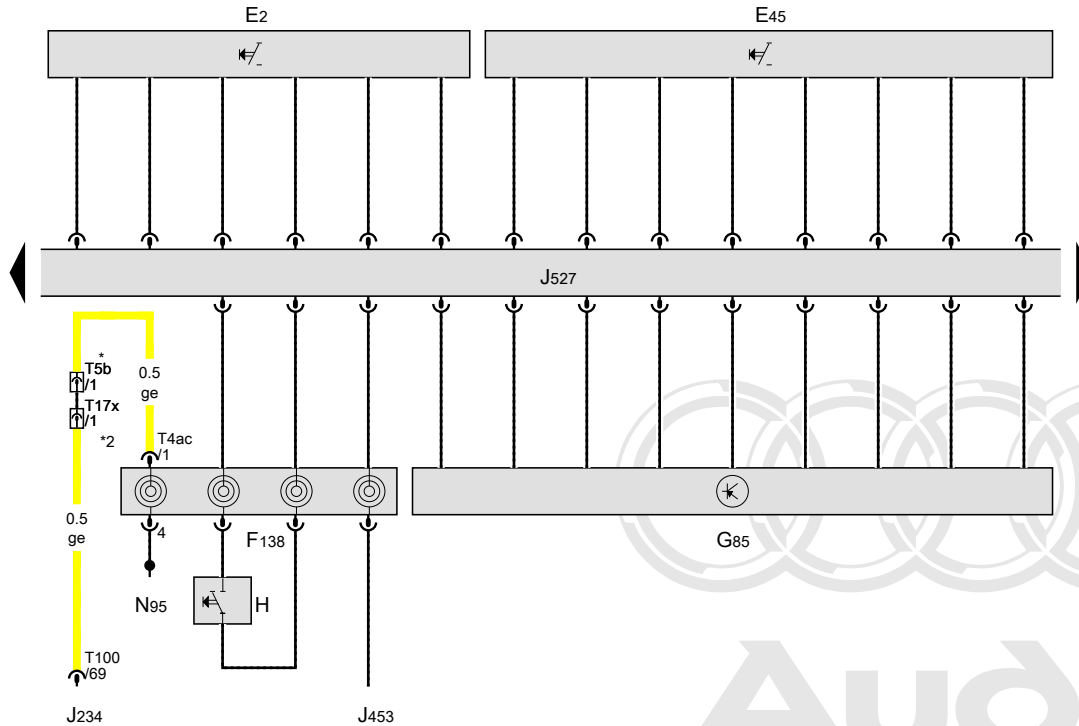
### Steering column electronics control module

- J527 Steering column electronics control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD5 Fuse 5 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T16f 16-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T17q 17-pin connector, in the E-box
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Front passenger connection bridge, brown
- \*3 Data bus wire (CAN bus)



Turn signal switch, Cruise control switch, Steering column electronics control module

- E2 Turn signal switch
- E45 Cruise control switch
- F138 Airbag spiral spring/return spring with slip ring
- G85 Steering angle sensor
- H Signal horn activation
- J234 Airbag control module
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- T4ac 4-pin connector
- T5b 5-pin connector
- T17x 17-pin connector
- T100 100-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* through April 2009
- \*2 from May 2009



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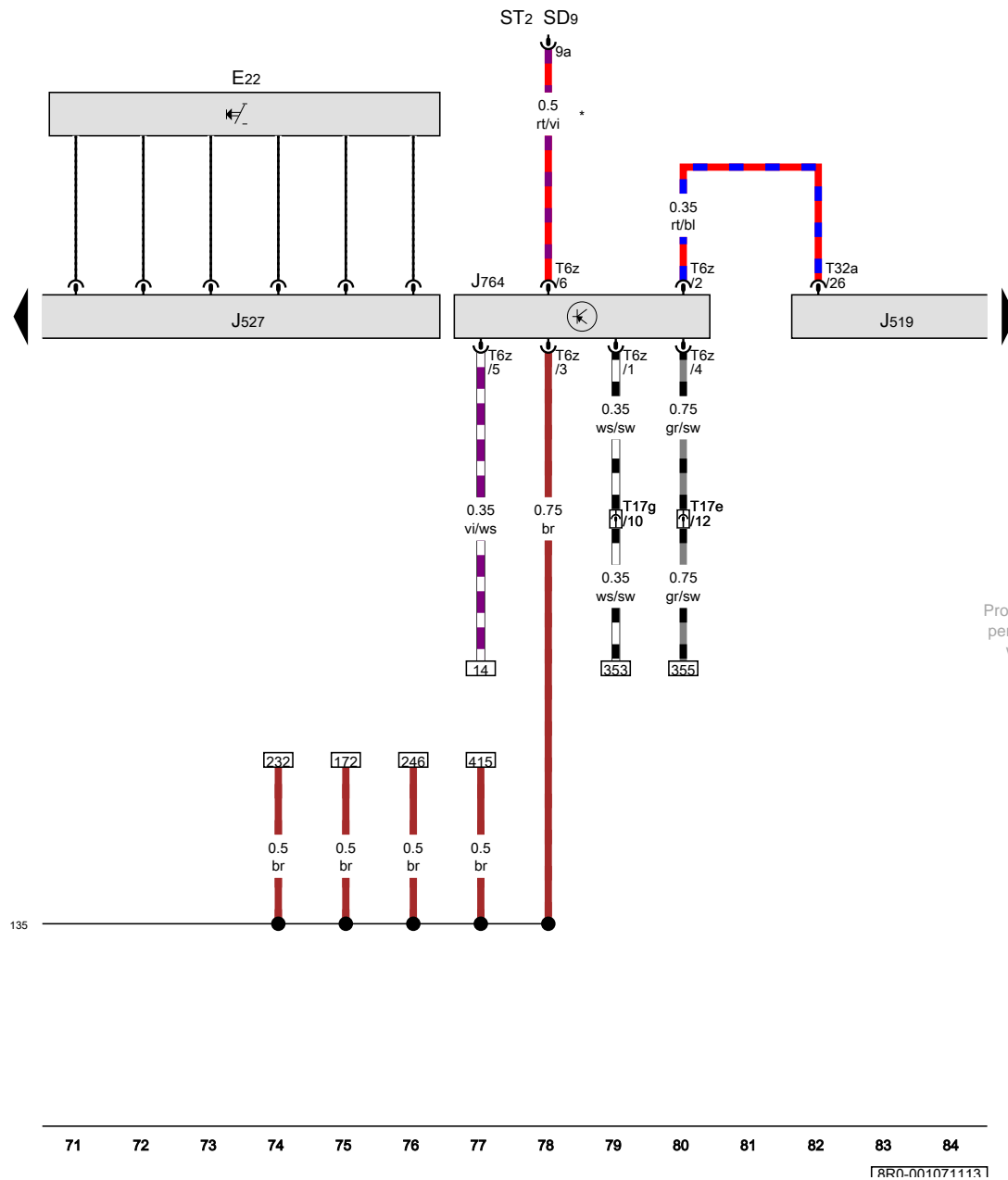
135 135

ws = white  
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 vi = lilac  
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 or = orange  
 rs = pink

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

18R0-0010611131

Windshield wiper intermittent mode switch, Steering column electronics control module, Electronic steering column lock control module

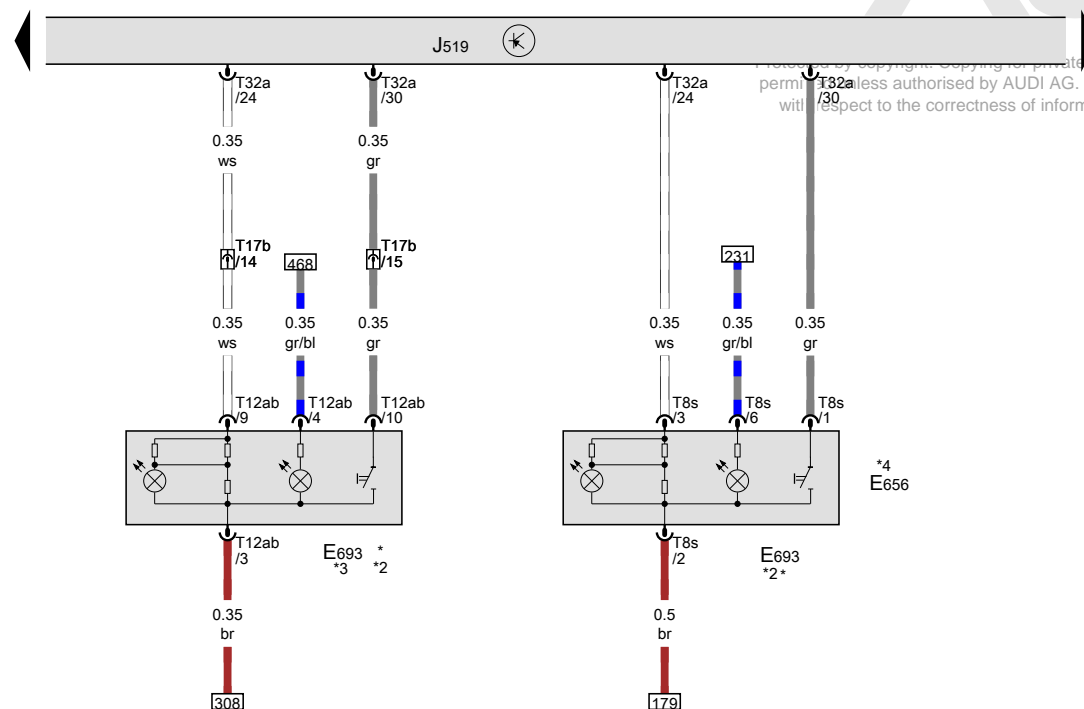


- E22 Windshield wiper intermittent mode switch
- J519 Vehicle electrical system control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD9 Fuse 9 (on fuse panel D)
- T6z 6-pin connector
- T17e 17-pin connector, in the left A-pillar connector station
- T17g 17-pin connector, in the connector station, right A-pillar
- T32a 32-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Diameter depends on equipment

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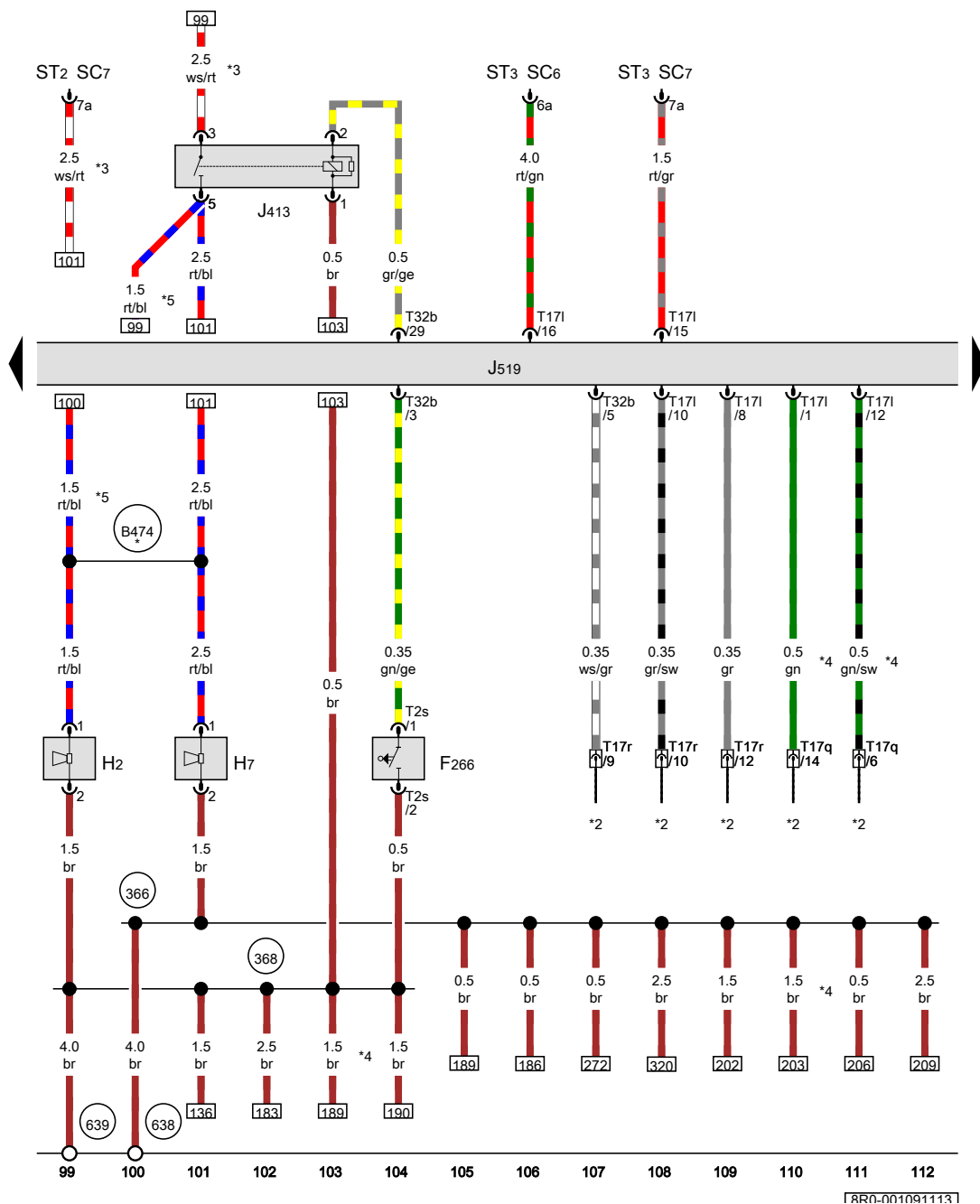
# Start/Stop mode button

- E656 Electrical drive button
- E693 Start/Stop mode button
- J519 Vehicle electrical system control module
- T8s 8-pin connector
- T12ab 12-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T32a 32-pin connector
- \* Only for vehicles with Stop/Start system
- \*2 Only for vehicles without hybrid drive
- \*3 Omitted as a running change
- \*4 only for vehicles with hybrid drive



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

Engine hood contact switch, High tone horn, Low tone horn, Horn relay



- F266 Engine hood contact switch
- H2 High tone horn
- H7 Low tone horn
- J413 Horn relay
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- ST3 Fuse panel 3
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T2s Double connector
- T17i 17-pin connector
- T17q 17-pin connector, in the E-box
- T17r 17-pin connector, in the E-box
- T32b 32-pin connector

366 Ground connection 1 (in main wiring harness)

368 Ground connection 3 (in main wiring harness)

638 Ground connection on right A-pillar

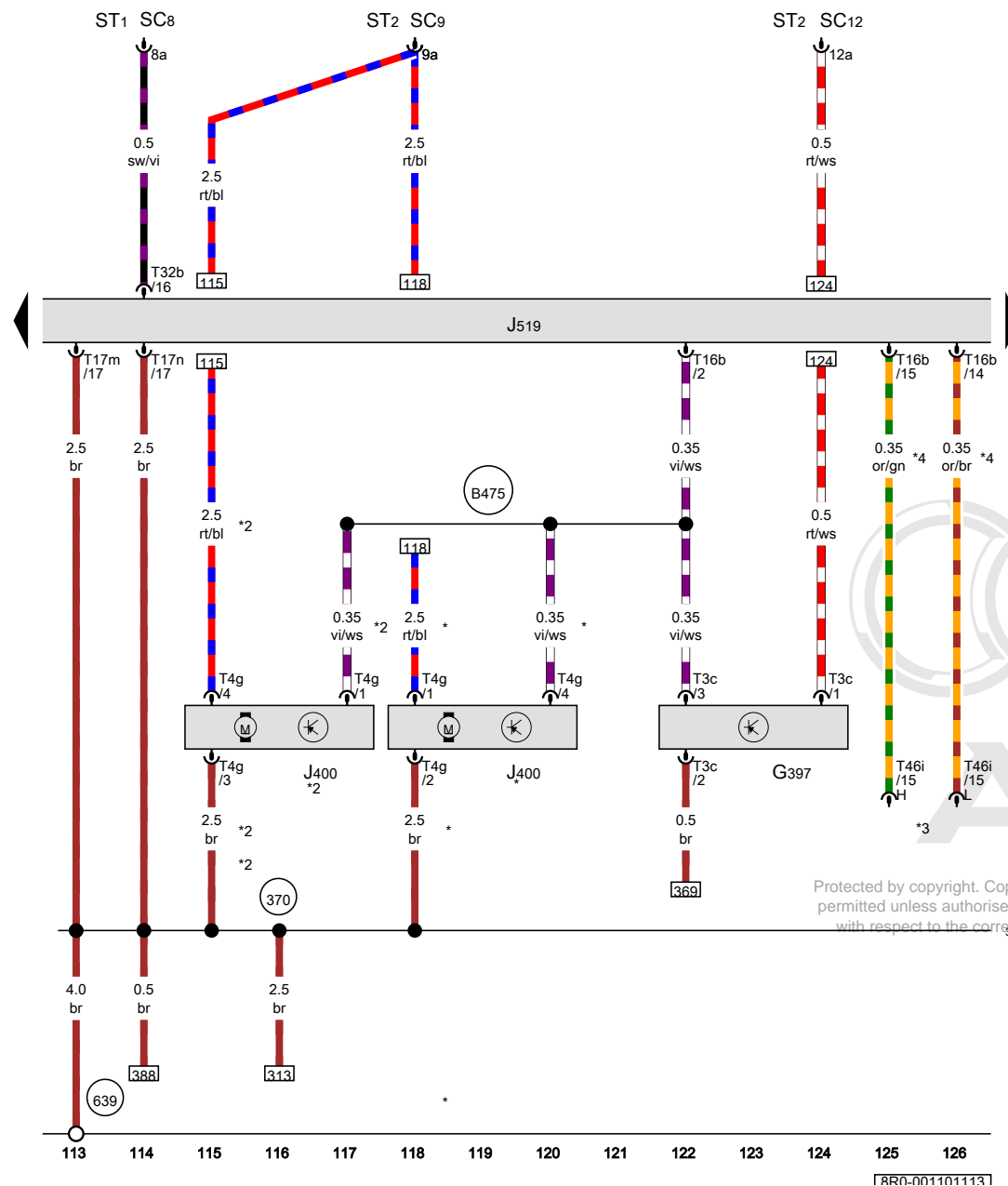
639 Ground connection on left A-pillar

B474 Connection 10 (in main wiring harness)

- \* Omitted as a running change
- \*2 Refer to applicable engine wiring diagram
- \*3 The color of the wires depends on vehicle equipment
- \*4 Diameter depends on equipment
- \*5 Running change

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Rain/light recognition sensor, Wiper motor control module



- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T16b 16-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- T32b 32-pin connector
- T46i 46-pin connector

370 Ground connection 5 (in main wiring harness)

639 Ground connection on left A-pillar

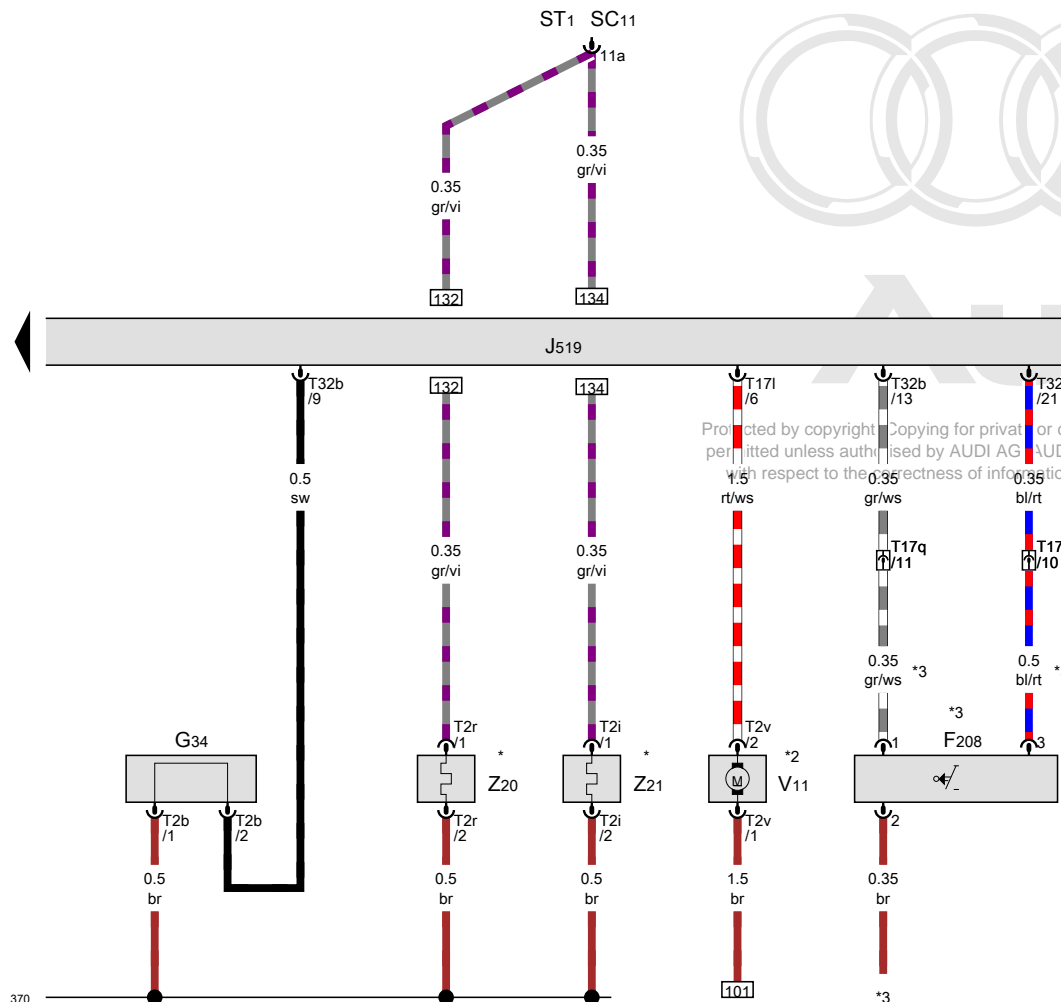
B475 Connection 11 (in main wiring harness)

- \* Only for right-hand drive vehicles
- \*2 Left-hand drive vehicles
- \*3 Driver connection bridge, brown
- \*4 Data bus wire (CAN bus)

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 or = orange  
 rs = pink

Transmission range gear recognition switch, Left front brake pad wear sensor, Headlamp washer pump, Left washer nozzle heater, Right washer nozzle heater



- F208 Transmission range gear recognition switch
- G34 Left front brake pad wear sensor
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- SC11 Fuse 11 (on fuse panel C)
- T2b Double connector
- T2i Double connector
- T2r Double connector
- T2v Double connector
- T17l 17-pin connector
- T17q 17-pin connector, in the E-box
- T32b 32-pin connector
- V11 Headlamp washer pump
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater

370 Ground connection 5 (in main wiring harness)

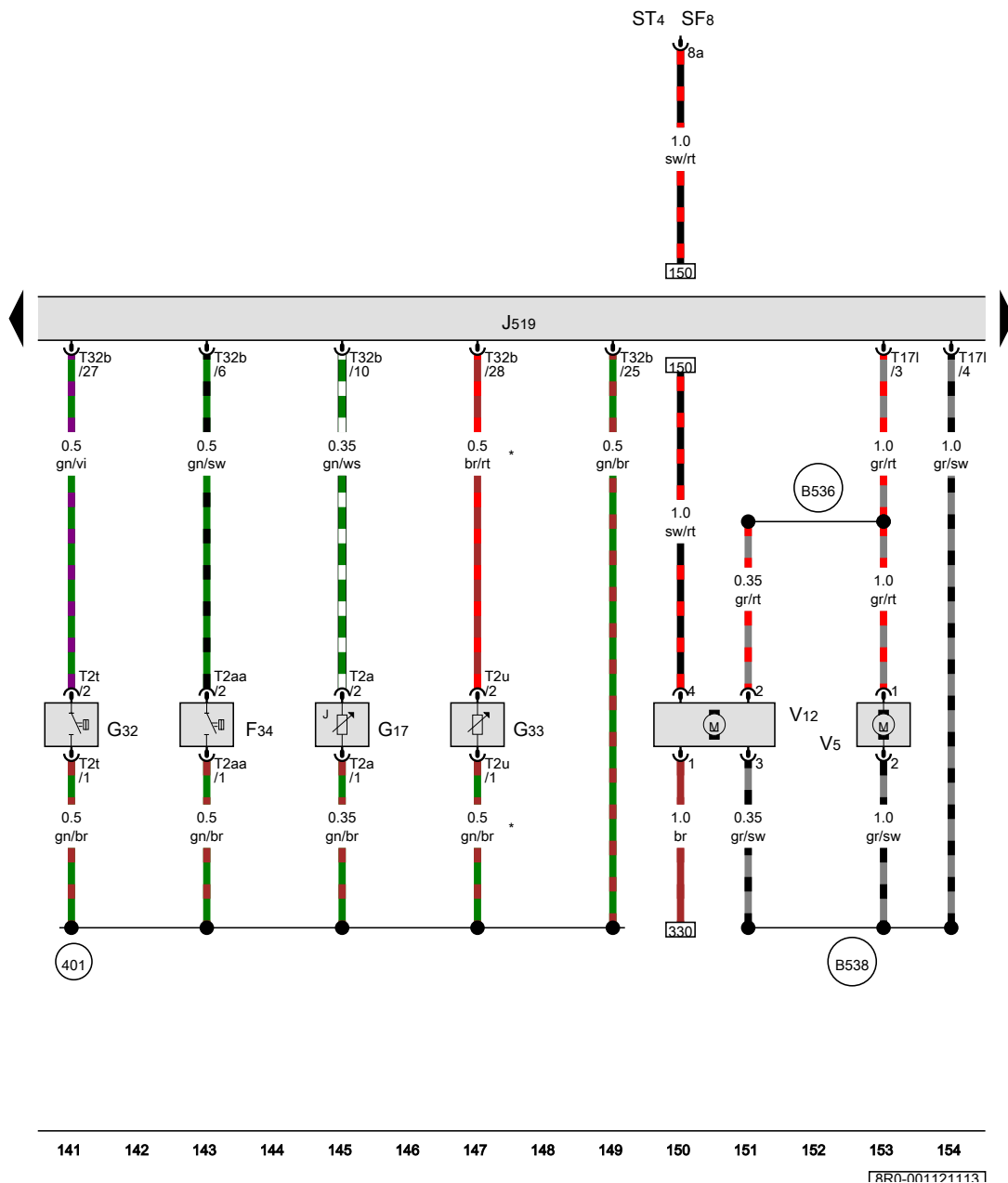
- \* Only for vehicles with spray nozzle heater
- \*2 Only for vehicles with a headlamp washer system
- \*3 Refer to applicable engine wiring diagram

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

127 128 129 130 131 132 133 134 135 136 137 138 139 140

[ARB-0011111113]

Brake fluid level warning switch, Outside air temperature sensor, Engine coolant level sensor, Windshield washer fluid level sensor, Rear window wiper motor



- F34 Brake fluid level warning switch
- G17 Outside air temperature sensor
- G32 Engine coolant level sensor
- G33 Windshield washer fluid level sensor
- J519 Vehicle electrical system control module
- ST4 Fuse panel 4
- SF8 Fuse 8 (on fuse panel F)
- T2a Double connector
- T2aa Double connector
- T2t Double connector
- T2u Double connector
- T171 17-pin connector
- T32b 32-pin connector
- V5 Windshield washer pump
- V12 Rear window wiper motor

401 Sensor ground connection (in interior wiring harness)

B536 Connection 27 (in main wiring harness)

B538 Connection 29 (in main wiring harness)

\* Diameter depends on equipment

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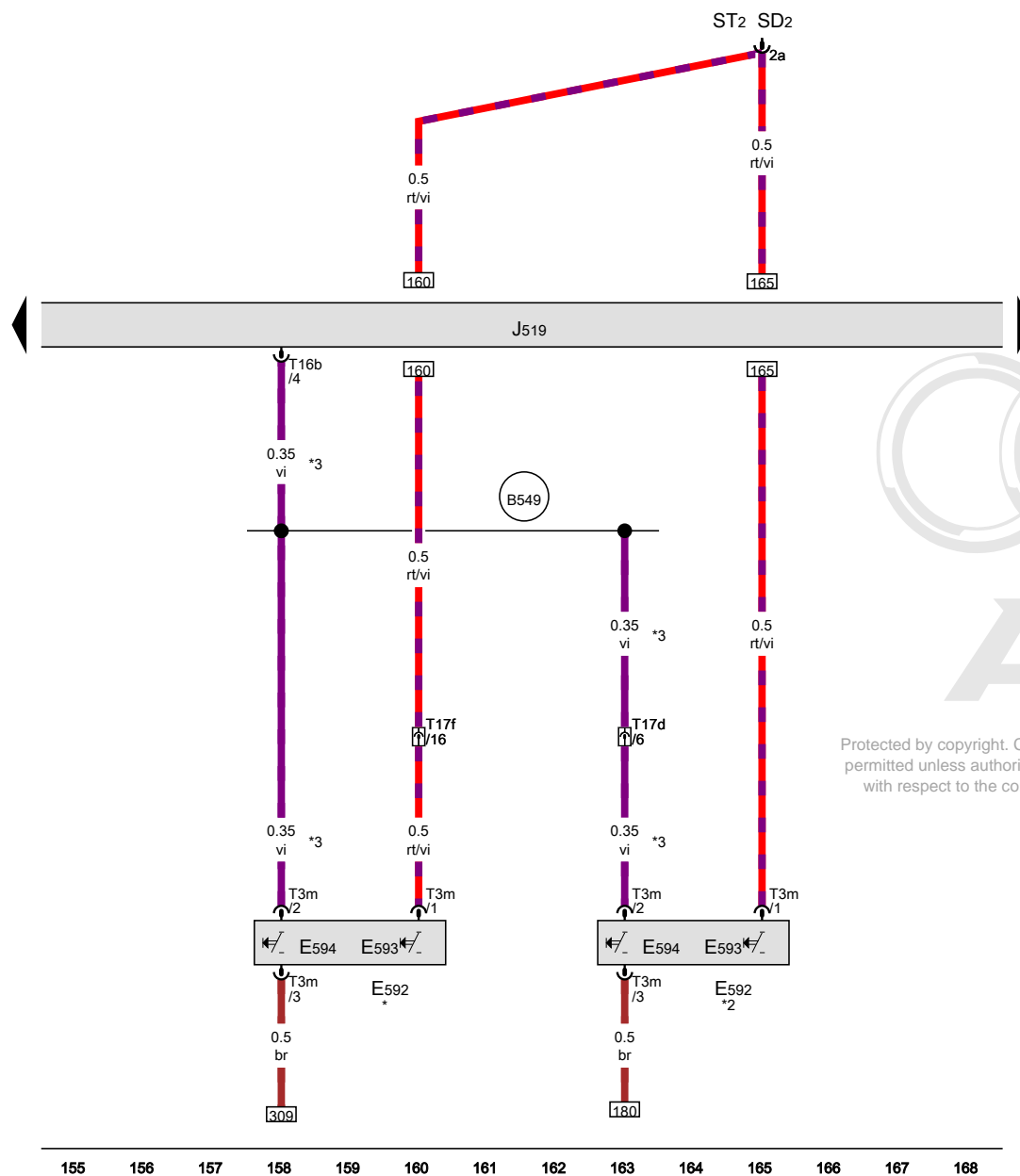


# Driving profile selection switch module

- E592 Driving profile selection switch module
- E593 Driving profile selection switch module button 1
- E594 Driving profile selection switch module button 2
- J519 Vehicle electrical system control module
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- T3m 3-pin connector
- T16b 16-pin connector
- T17d 17-pin connector, in the left A-pillar connector station
- T17f 17-pin connector, in the connector station, right A-pillar

B549 LIN bus connection 2 (in main wiring harness)

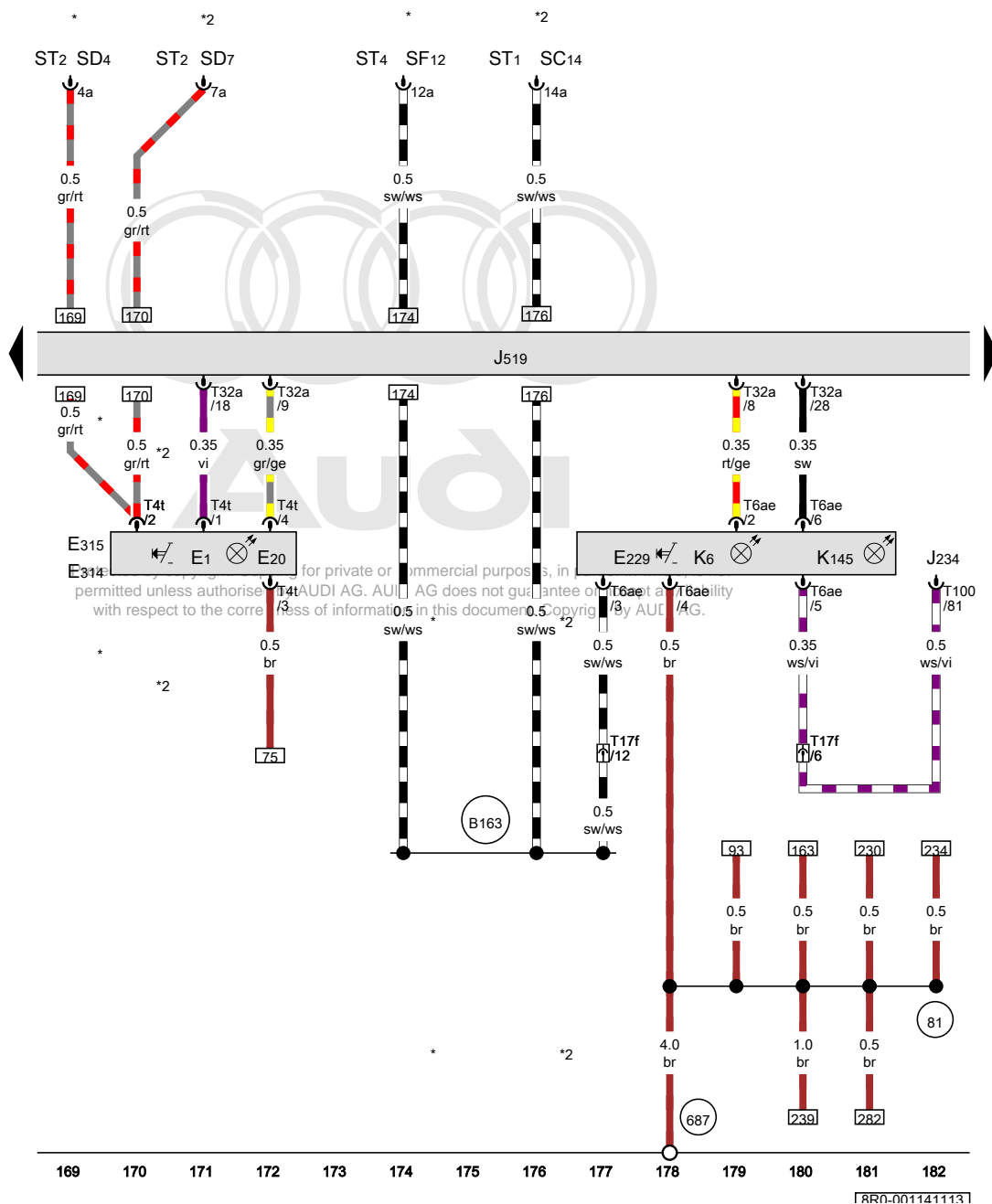
- \* Only for vehicles without a navigation system
- \*2 Only for vehicles with navigation system
- \*3 The color of the wires depends on vehicle equipment



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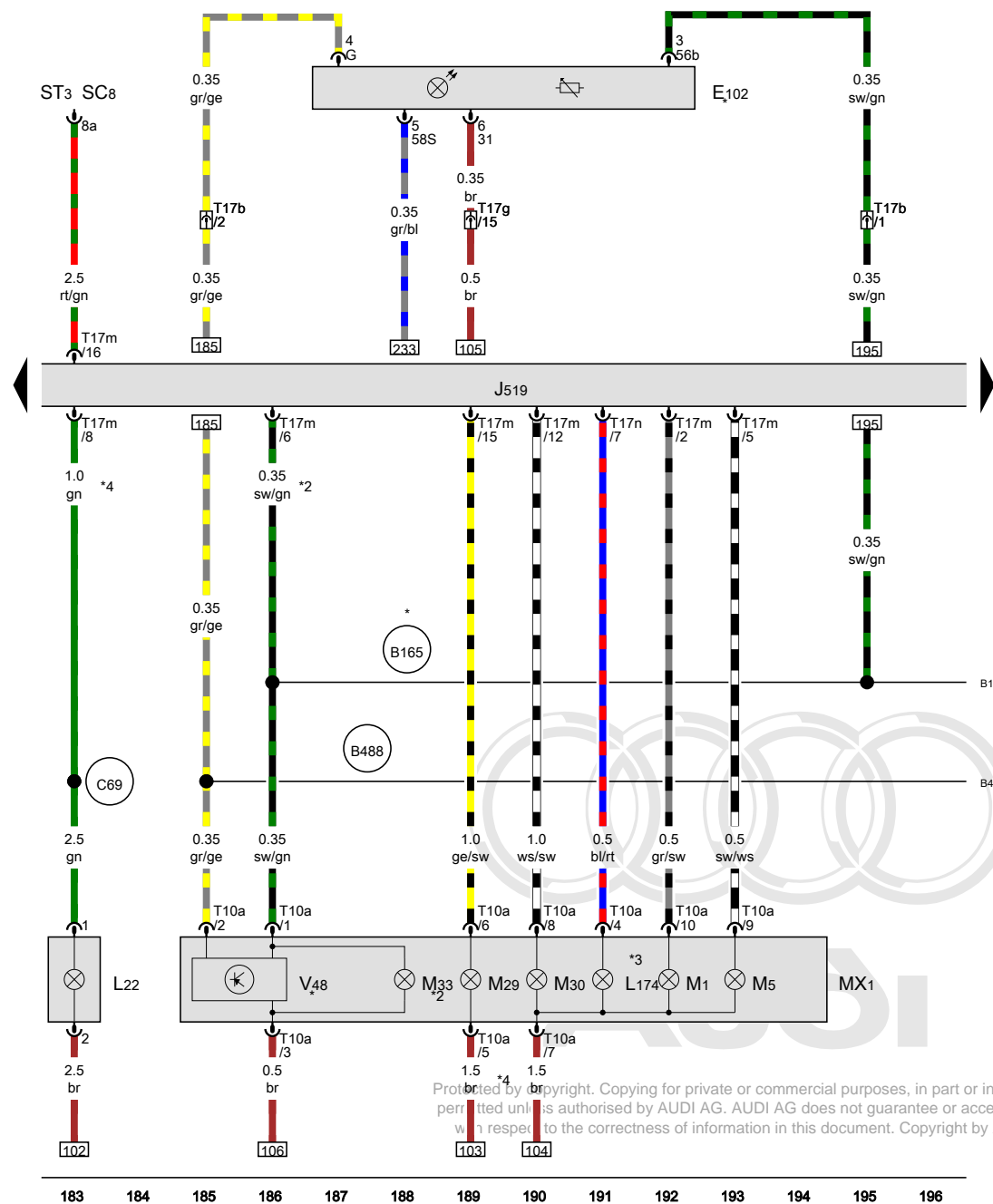
Light switch, Emergency flasher button



- E1 Light switch
- E20 Instrument panel and switch illumination dimmer switch
- E229 Emergency flasher button
- E314 Rear fog lamp button
- E315 Fog lamp button
- J234 Airbag control module
- J519 Vehicle electrical system control module
- K6 Emergency flasher indicator lamp
- K145 Front passenger airbag -disabled- indicator lamp
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- ST4 Fuse panel 4
- SD7 Fuse 7 (on fuse panel D)
- SF12 Fuse 12 (on fuse panel F)
- SC14 Fuse 14 (on fuse panel C)
- T4t 4-pin connector
- T6ae 6-pin connector
- T17f 17-pin connector, in the connector station, right A-pillar
- T32a 32-pin connector
- T100 100-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B163 Positive connection 1 (15) (in interior wiring harness)
- \* through April 2009
- \*2 from May 2009

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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
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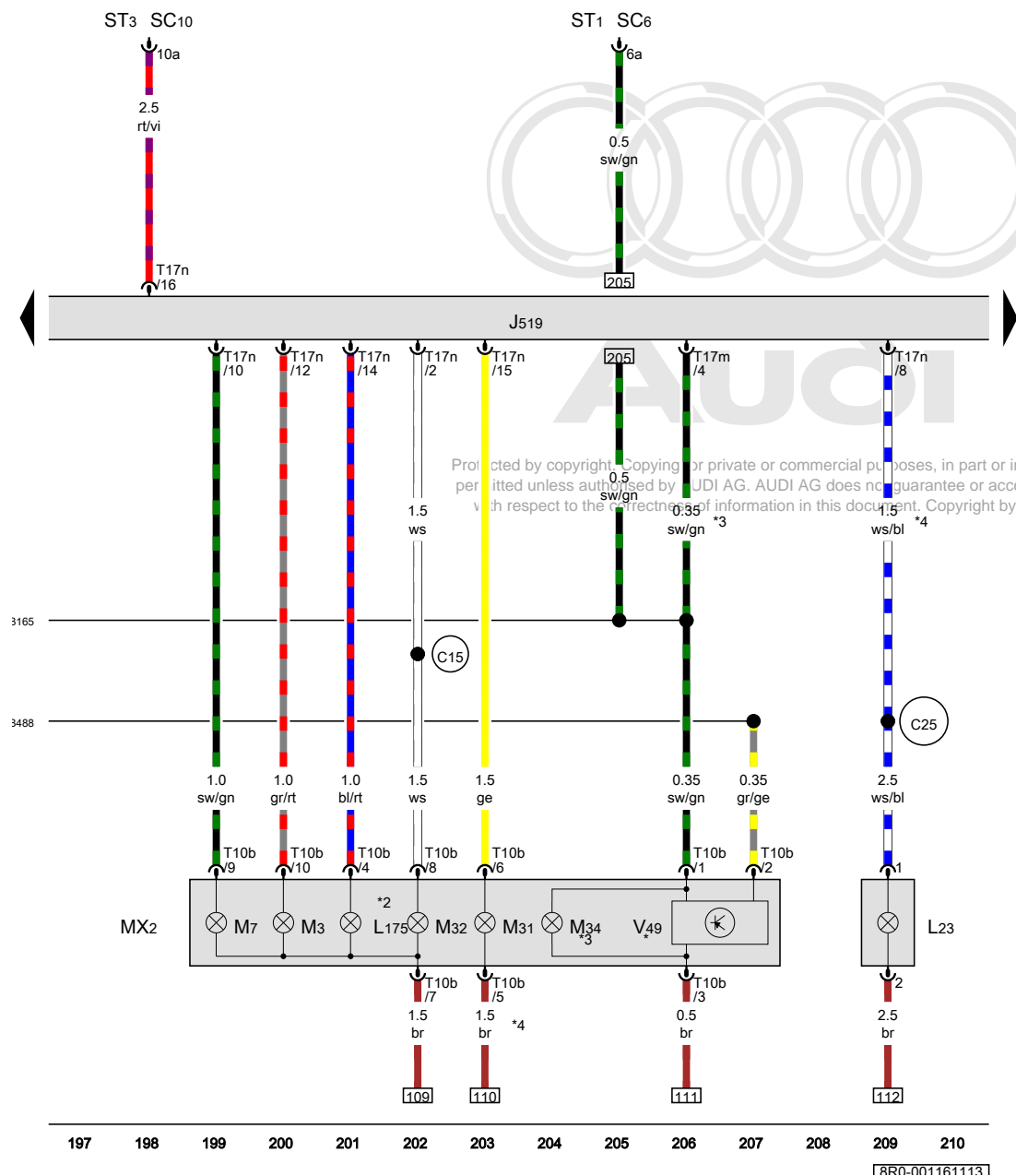
## Left front headlamp

- E102 Headlamp range control adjuster
- J519 Vehicle electrical system control module
- L22 Left front fog lamp bulb
- L174 Left daytime running lamp bulb
- M1 Left position lamp bulb
- MX1 Left front headlamp
- M5 Left front turn signal bulb
- M29 Left low beam headlamp bulb
- M30 Left high beam headlamp bulb
- M33 Left front side marker lamp bulb
- ST3 Fuse panel 3
- SC8 Fuse 8 (on fuse panel C)
- T10a 10-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T17g 17-pin connector, in the connector station, right A-pillar
- T17m 17-pin connector
- T17n 17-pin connector
- V48 Left headlamp beam adjustment motor

- B165 Positive connection 2 (15) (in interior wiring harness)
- B488 Connection 24 (in main wiring harness)
- C69 Fog lamp connection (in left front wiring harness)

- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment
- \*3 Only for vehicles with daytime running lamps
- \*4 Diameter depends on equipment

- ws = white
- sw = black
- ro = red
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- vi = lilac
- ge = yellow
- or = orange
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## Right front headlamp

- J519 Vehicle electrical system control module
- L23 Right front fog lamp bulb
- L175 Right daytime running lamp bulb
- MX2 Right front headlamp
- M3 Right position lamp bulb
- M7 Right front turn signal bulb
- M31 Right low beam headlamp bulb
- M32 Right high beam headlamp bulb
- M34 Right front side marker lamp bulb
- ST1 Fuse panel 1
- ST3 Fuse panel 3
- SC6 Fuse 6 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- T10b 10-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- V49 Right headlamp beam adjustment motor

B165 Positive connection 2 (15) (in interior wiring harness)

B488 Connection 24 (in main wiring harness)

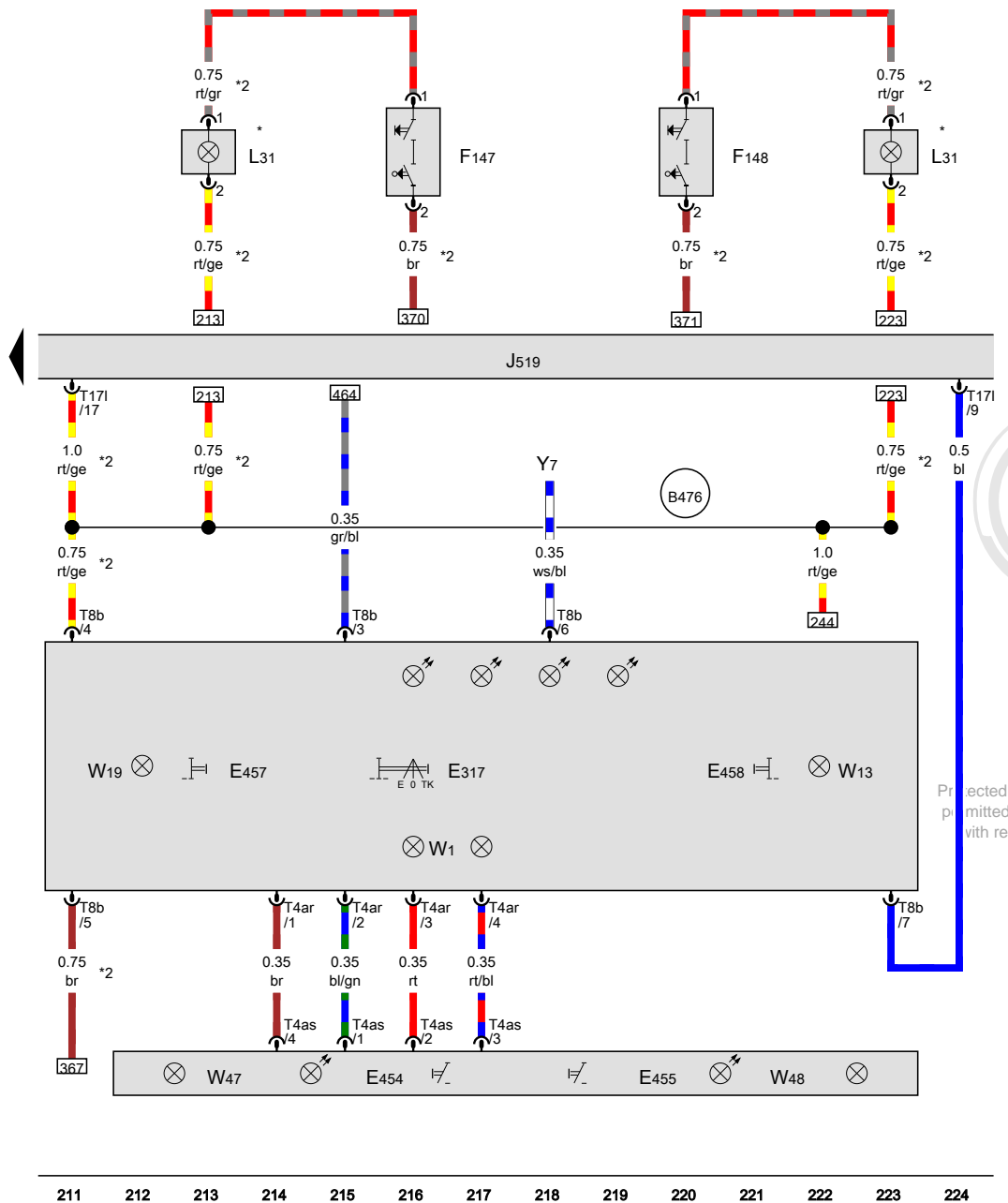
C15 Connection 1 (in headlamp wiring harness)

C25 Fog lamp connection (in front lighting wiring harness)

- \* Only for vehicles without US equipment
- \*2 Only for vehicles with daytime running lamps
- \*3 Only for vehicles with US equipment
- \*4 Diameter depends on equipment

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sw = black  
ro = red  
rt = red  
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gn = green  
bl = blue  
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li = lilac  
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or = orange  
rs = pink

Left rear reading lamp switch, Vanity mirror illumination bulb, Front interior lamp, Right rear interior lamp



- E317 Interior lighting switch
- E454 Left rear reading lamp switch
- E455 Right rear reading lamp switch 1
- E457 Driver reading lamp button
- E458 Front passenger reading lamp button
- F147 Driver vanity mirror lamp contact switch
- F148 Front passenger vanity mirror lamp contact switch
- J519 Vehicle electrical system control module
- L31 Vanity mirror illumination bulb
- T4ar 4-pin connector
- T4as 4-pin connector
- T8b 8-pin connector
- T17I 17-pin connector
- W1 Front interior lamp
- W13 Front passenger reading lamp
- W19 Driver reading lamp
- W47 Left rear interior lamp
- W48 Right rear interior lamp
- Y7 Automatic dimming interior rearview mirror
- B476 Connection 12 (in main wiring harness)
- \* Depending on equipment
- \*2 Diameter depends on equipment

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# Front passenger airbag deactivation key switch

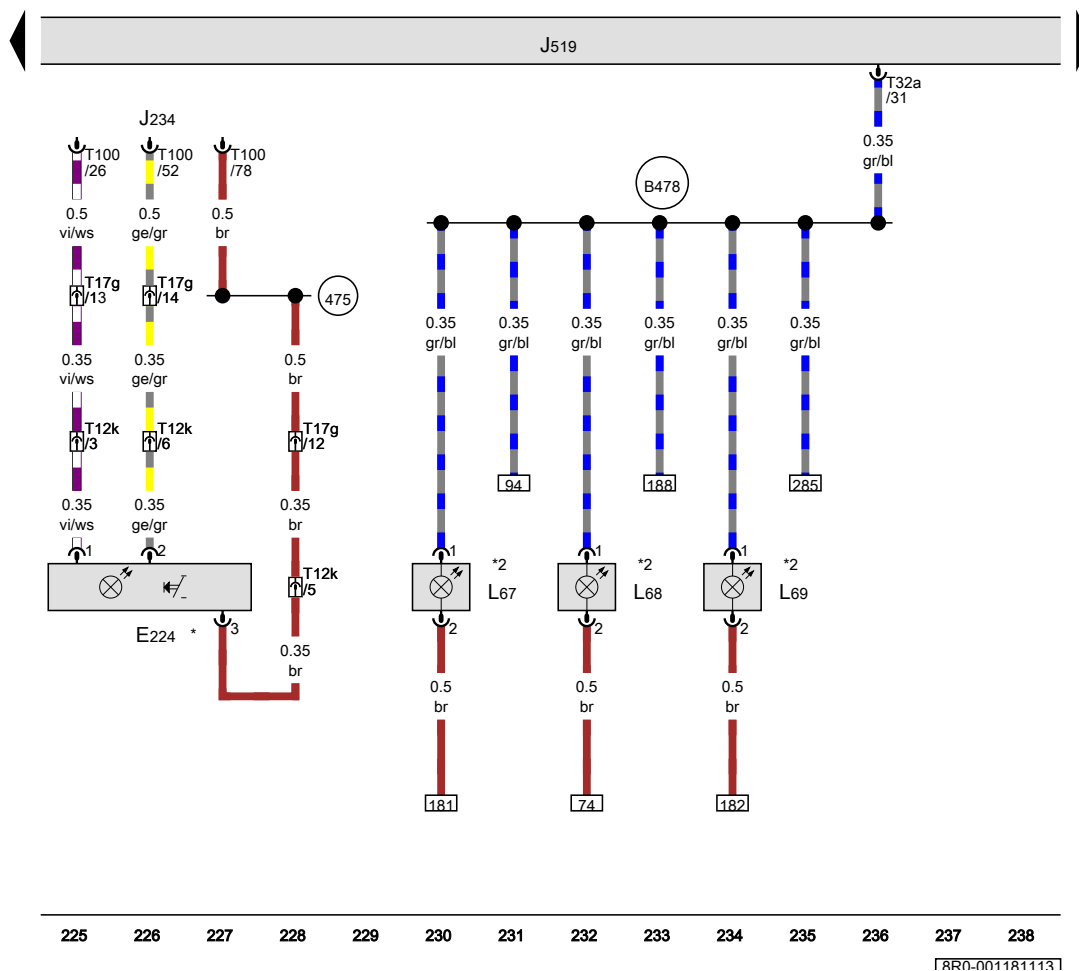
- E224 Front passenger airbag deactivation key switch
- J234 Airbag control module
- J519 Vehicle electrical system control module
- L67 Left instrument panel vent illumination bulb
- L68 Center instrument panel vent illumination bulb
- L69 Right instrument panel vent illumination bulb
- T12k 12-pin connector
- T17g 17-pin connector, in the connector station, right A-pillar
- T32a 32-pin connector
- T100 100-pin connector

475 Airbag ground connection (in main wiring harness)

B478 Connection 14 (in main wiring harness)

\* Only on vehicles with front passenger airbag deactivation key switch

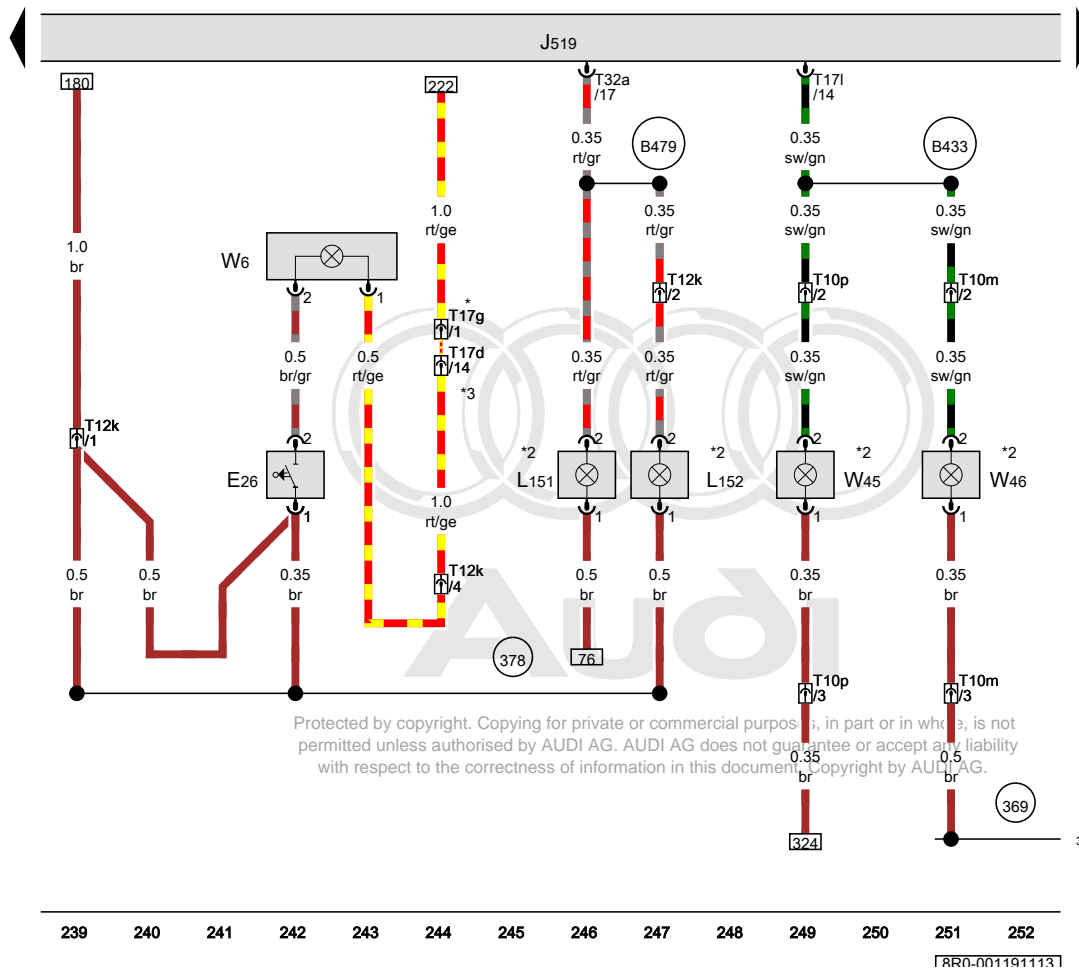
\*2 Depending on equipment



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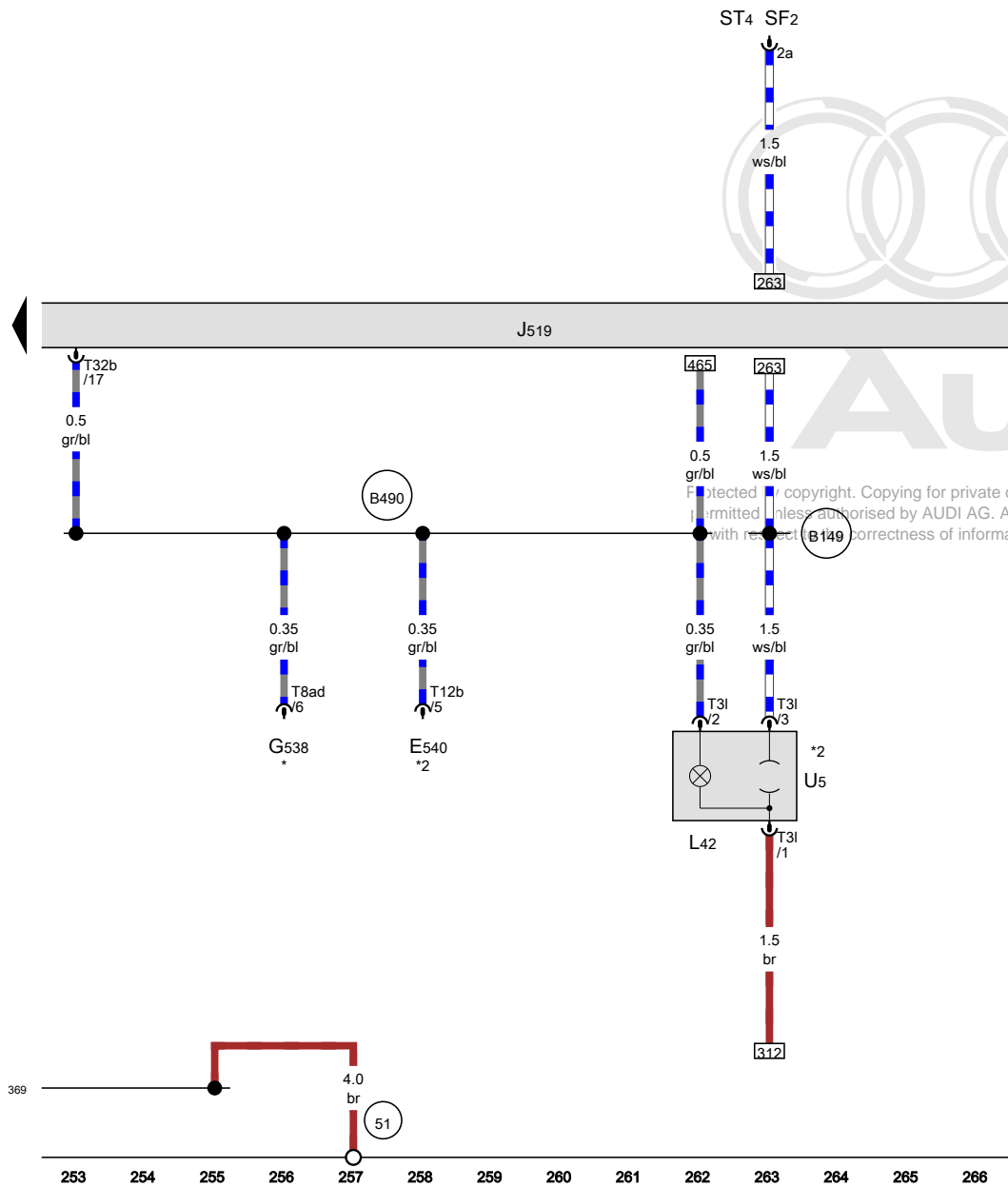
Glove compartment lamp switch, Left front footwell illumination bulb, Right front footwell illumination bulb, Glove compartment lamp

- E26 Glove compartment lamp switch
- J519 Vehicle electrical system control module
- L151 Left front footwell illumination bulb
- L152 Right front footwell illumination bulb
- T10m 10-pin connector, Coupling point under the front passenger seat
- T10p 10-pin connector, near the driver seat
- T12k 12-pin connector
- T17d 17-pin connector, brown
- T17g 17-pin connector, black
- T17i 17-pin connector
- T32a 32-pin connector
- W6 Glove compartment lamp
- W45 Left rear footwell lamp
- W46 Right rear footwell lamp



- 369 Ground connection 4 (in main wiring harness)
- 378 Ground connection 13 (in main wiring harness)
- B433 Footwell illumination connection (in main wiring harness)
- B479 Connection 15 (in main wiring harness)
- \* Omitted as a running change
- \*2 Depending on equipment
- \*3 Running change

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## Power socket 12 V

- E540 -AUTO HOLD- button
- G538 Rear temperature selection potentiometer
- J519 Vehicle electrical system control module
- L42 Socket illumination bulb
- SF2 Fuse 2 (on fuse panel F)
- ST4 Fuse panel 4
- T3I 3-pin connector
- T8ad 8-pin connector
- T12b 12-pin connector
- T32b 32-pin connector
- U5 Power socket 12 V, in the front center console

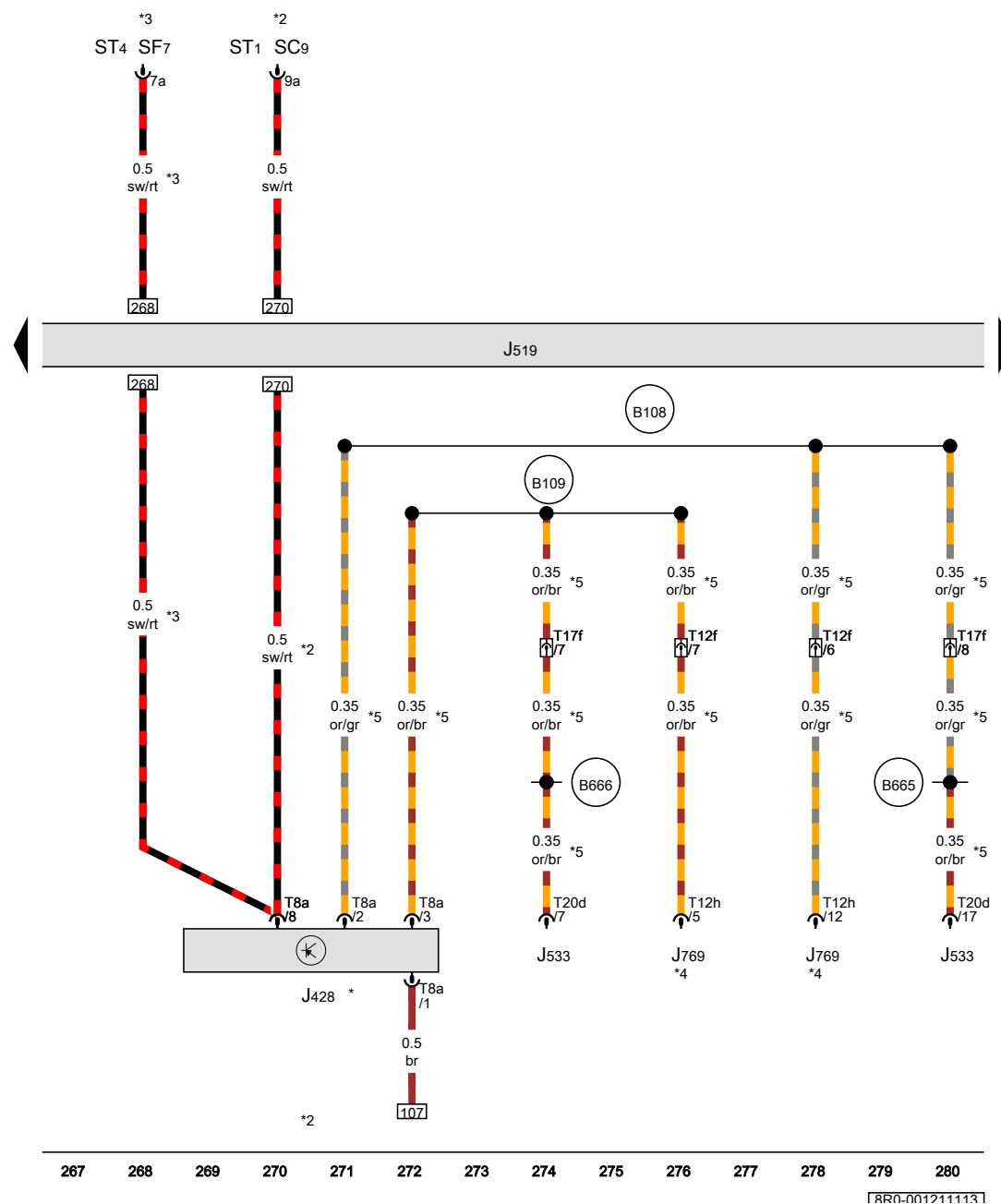
- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)
- B149 Positive connection 2 (15a) (in interior wiring harness)
- B490 Connection 26 (in main wiring harness)

Refer to applicable A/C system wiring diagram  
Depending on equipment

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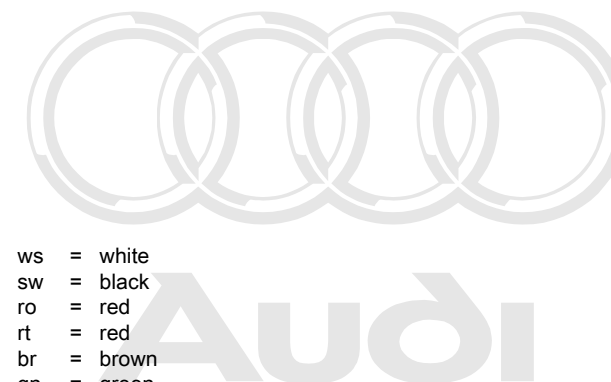
18R0-0012011131





### Distance regulation control module

- J428 Distance regulation control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- ST4 Fuse panel 4
- SF7 Fuse 7 (on fuse panel F)
- SC9 Fuse 9 (on fuse panel C)
- T8a 8-pin connector
- T12f 12-pin connector
- T12h 12-pin connector
- T17f 17-pin connector, in the connector station, right A-pillar
- T20d 20-pin connector
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- \* Only for vehicles with adaptive cruise control (ACC)
- \*2 from May 2009
- \*3 through April 2009
- \*4 Only for vehicles with lane assist
- \*5 Data bus wire (CAN bus)

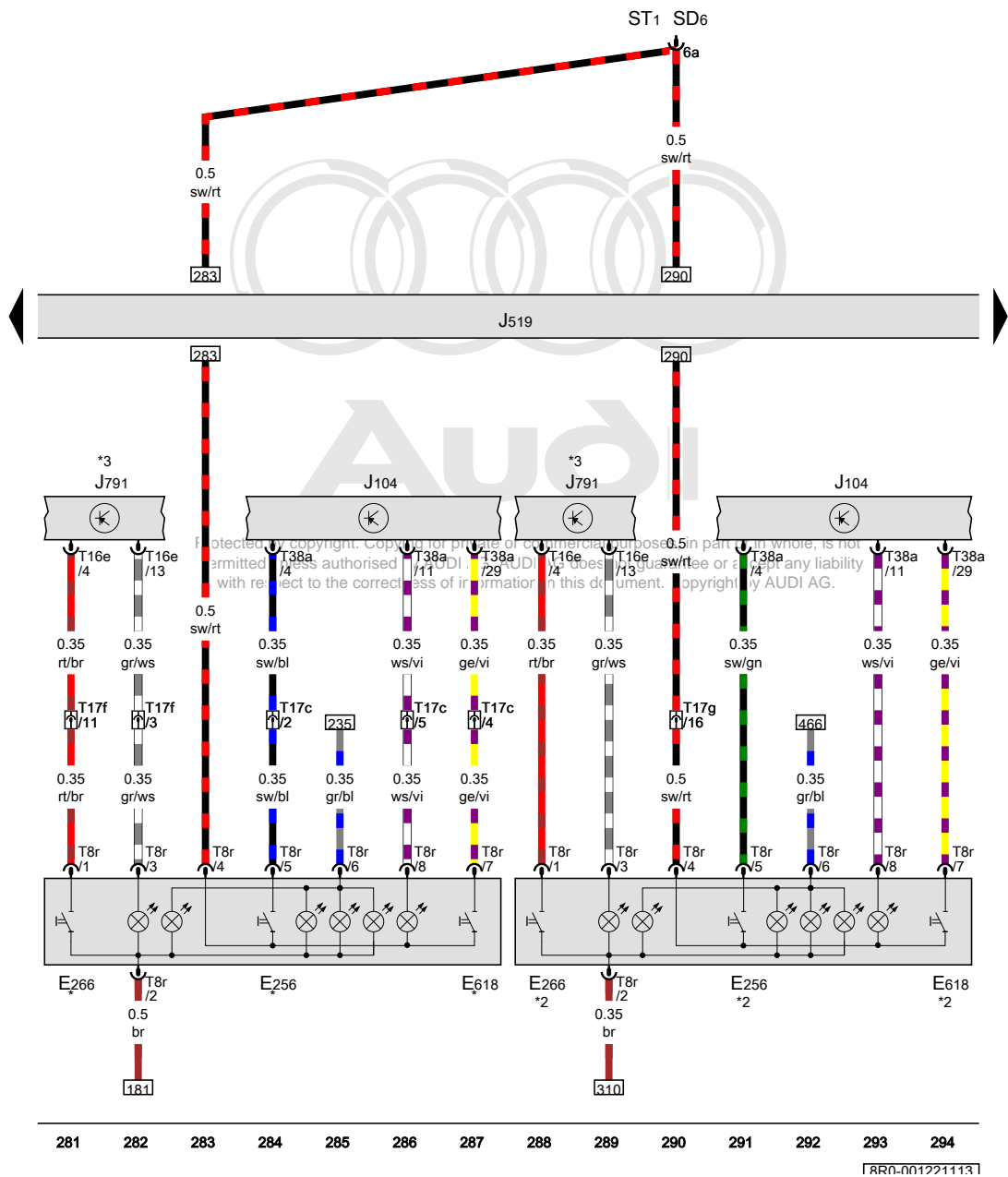


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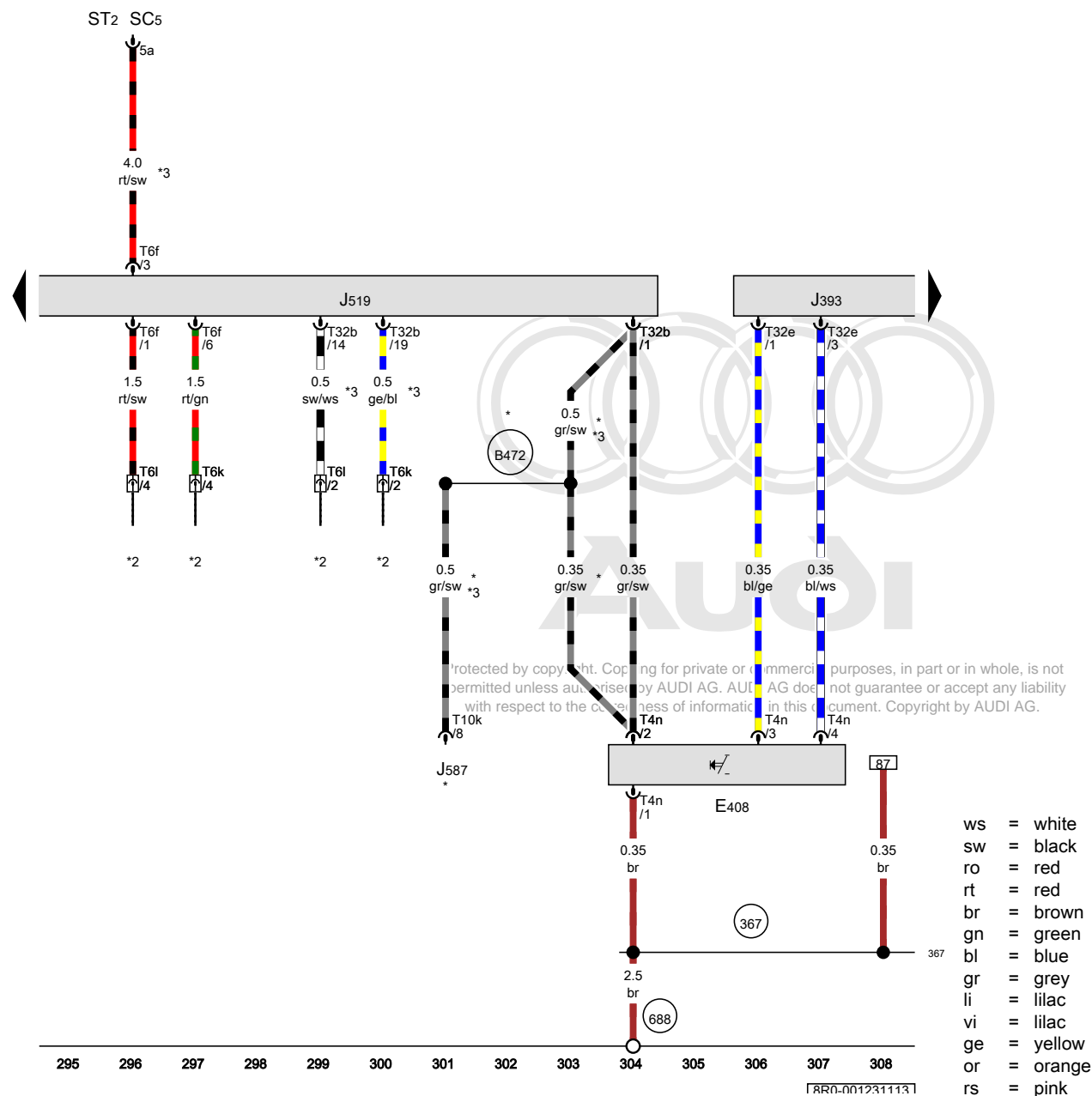
ASR/ESP button, Parking aid button, Hill descent control button

- E256 ASR/ESP button
- E266 Parking aid button
- E618 Hill descent control button
- J104 ABS control module
- J519 Vehicle electrical system control module
- J791 Parallel parking assistance control module
- ST1 Fuse panel 1
- SD6 Fuse 6 (on fuse panel D)
- T8r 8-pin connector
- T16e 16-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- T17f 17-pin connector, in the connector station, right A-pillar
- T17g 17-pin connector, in the connector station, right A-pillar
- T38a 38-pin connector
- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system
- \*3 Only for vehicles with park distance control (PDC)



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

Access/start authorization button, Comfort system central control module



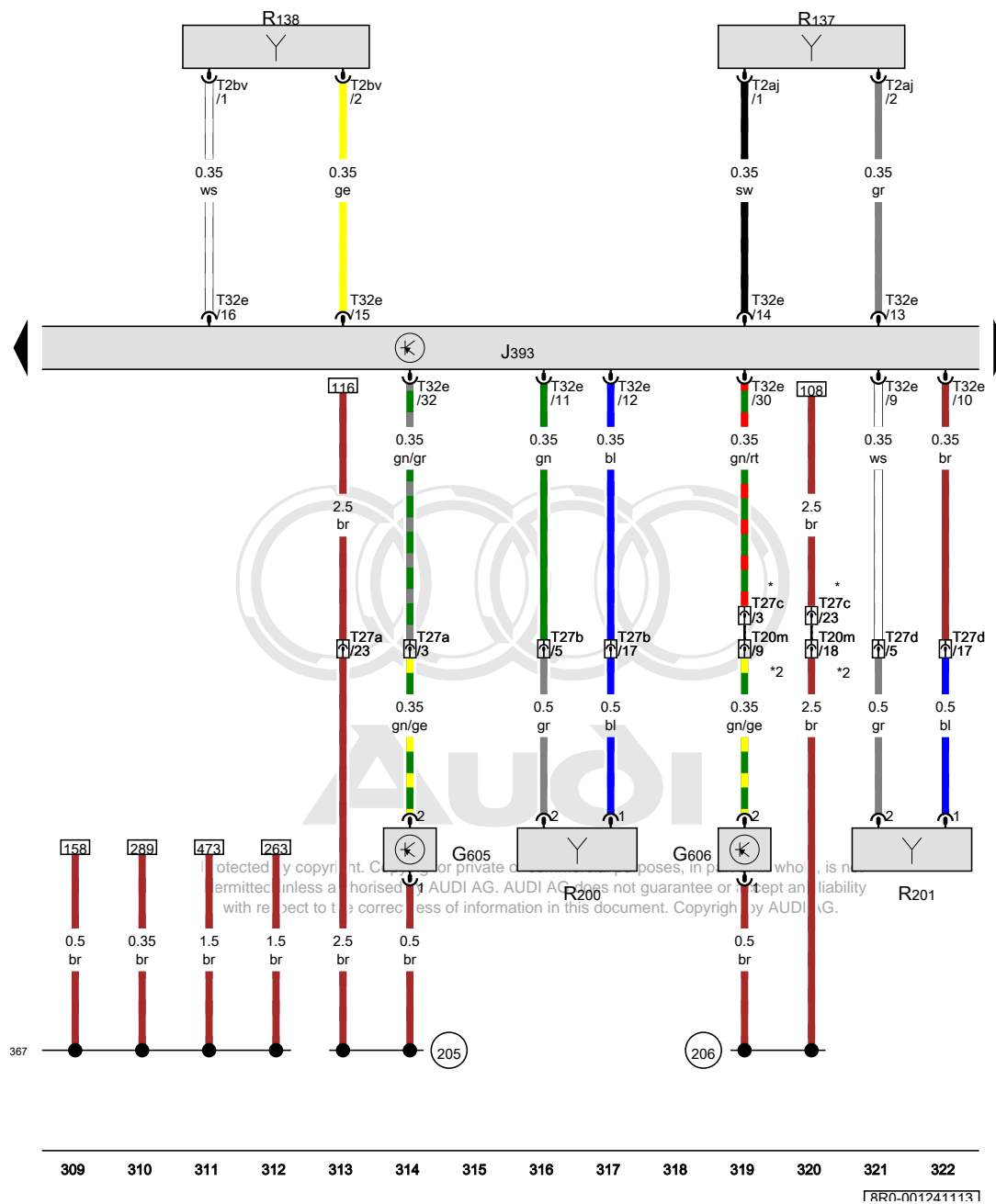
- E408 Access/start authorization button
- J393 Comfort system central control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- ST2 Fuse panel 2
- SC5 Fuse 5 (on fuse panel C)
- T4n 4-pin connector
- T6f 6-pin connector
- T6k 6-pin connector, Coupling point under the front passenger seat
- T6l 6-pin connector, near the driver seat
- T10k 10-pin connector
- T32b 32-pin connector
- T32e 32-pin connector

367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

B472 Connection 8 (in main wiring harness)

- \* Only for vehicles with automatic transmission
- \*2 Refer to the applicable heated seats wiring diagram
- \*3 Diameter depends on equipment



Left front exterior door handle touch sensor, Right front exterior door handle touch sensor, Comfort system central control module, Left access/start authorization antenna

- G605 Left front exterior door handle touch sensor
- G606 Right front exterior door handle touch sensor
- J393 Comfort system central control module
- R137 Access/start system antenna in luggage compartment
- R138 Access/start system antenna 1 in vehicle interior
- R200 Left access/start authorization antenna
- R201 Right access/start authorization antenna
- T2aj Double connector
- T2bv Double connector
- T20m 20-pin connector, on the right A-pillar
- T27a 27-pin connector, on the left A-pillar
- T27b 27-pin connector, on the left B-pillar
- T27c 27-pin connector, on the right A-pillar
- T27d 27-pin connector, on the right B-pillar
- T32e 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 206 Ground connection (in front passenger door wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- \* Omitted as a running change
- \*2 Running change

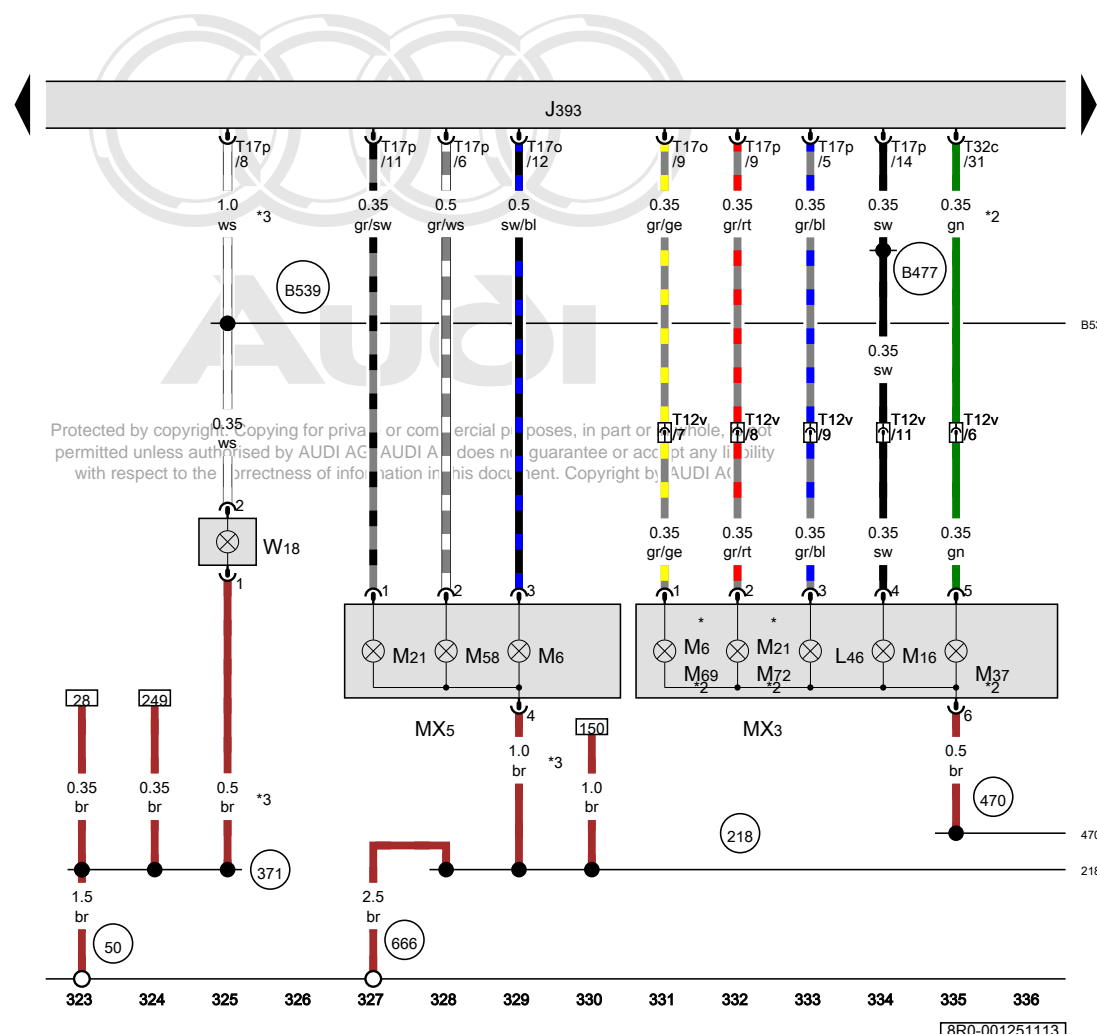
Comfort system central control module, Left tail lamp, Left tail lamp 2, Left luggage compartment lamp

- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M58 Left brake/tail lamp bulb 2
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W18 Left luggage compartment lamp

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- 666 Ground connection on roof, right rear
- B477 Connection 13 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)

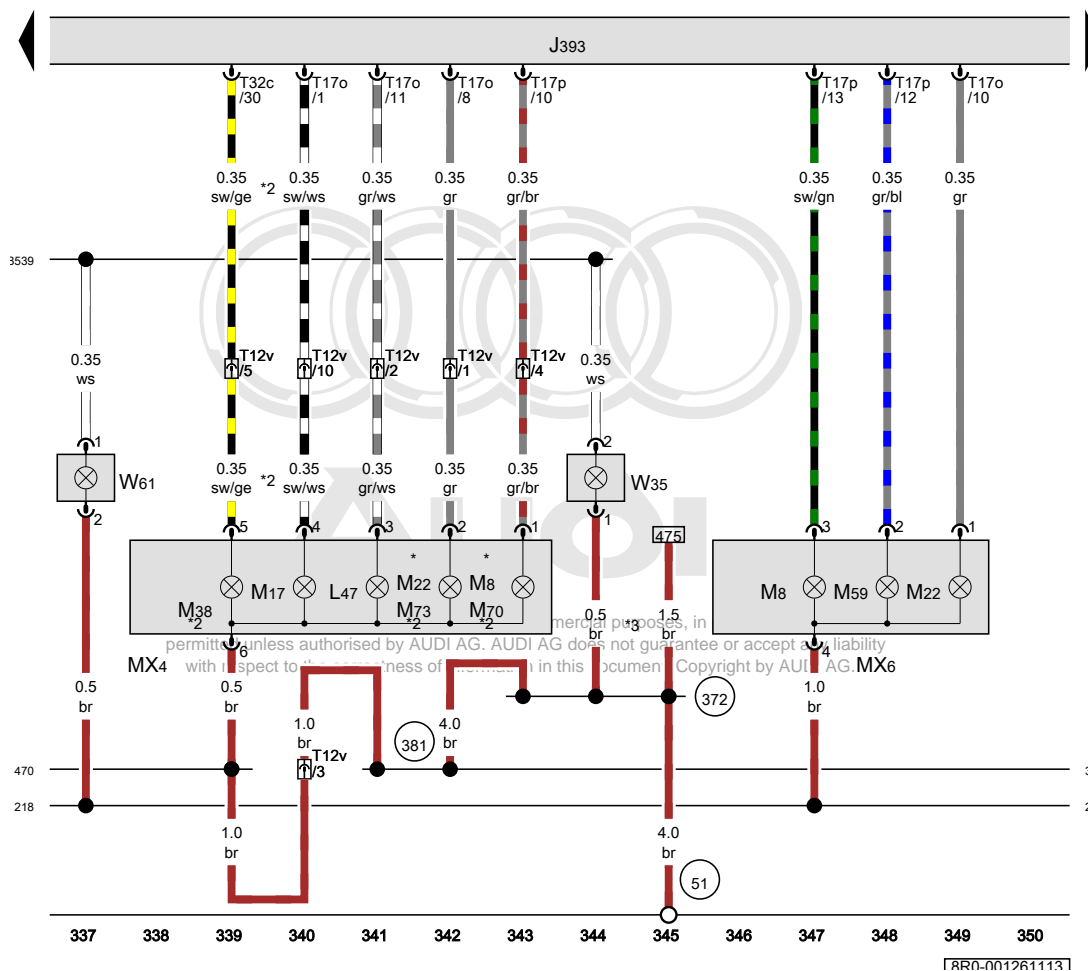
- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment
- \*3 Diameter depends on equipment

ws = white  
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Comfort system central control module, Right tail lamp, Right luggage compartment lamp, Ambient lamp 1 in rear lid

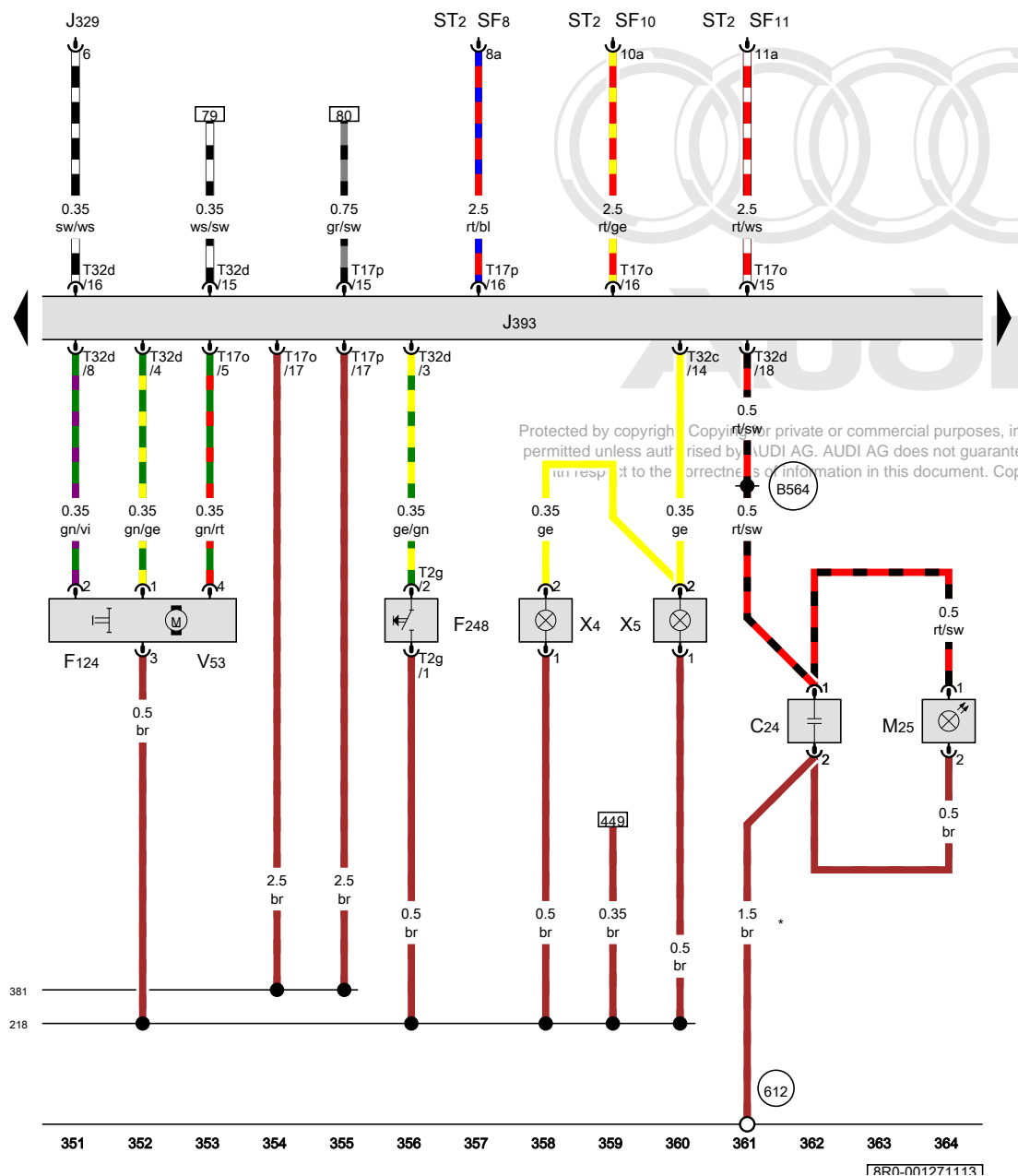


- J393 Comfort system central control module
- L47 Right rear fog lamp bulb
- MX4 Right tail lamp
- MX6 Right tail lamp 2
- M8 Right rear turn signal bulb
- M17 Right back-up lamp bulb
- M22 Right brake/tail lamp bulb
- M38 Right rear side marker lamp bulb
- M59 Right brake/tail lamp bulb 2
- M70 Right brake lamp/turn signal/tail lamp bulb
- M73 Right brake lamp/turn signal/tail lamp bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W35 Right luggage compartment lamp
- W61 Ambient lamp 1 in rear lid

- 51 Ground connection in luggage compartment, right
- 218 Ground connection 1 (in rear lid wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B539 Connection 30 (in main wiring harness)

- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment
- \*3 Diameter depends on equipment

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



# Comfort system central control module, Rear lid central locking system motor

- C24 Suppressor
- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- M25 High-mounted brake lamp bulb
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T2g Double connector
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor
- X4 Left license plate lamp
- X5 Right license plate lamp

- 218 Ground connection 1 (in rear lid wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 612 Ground connection in rear lid, center
- B564 Connection 31 (in main wiring harness)
- \* Diameter depends on equipment

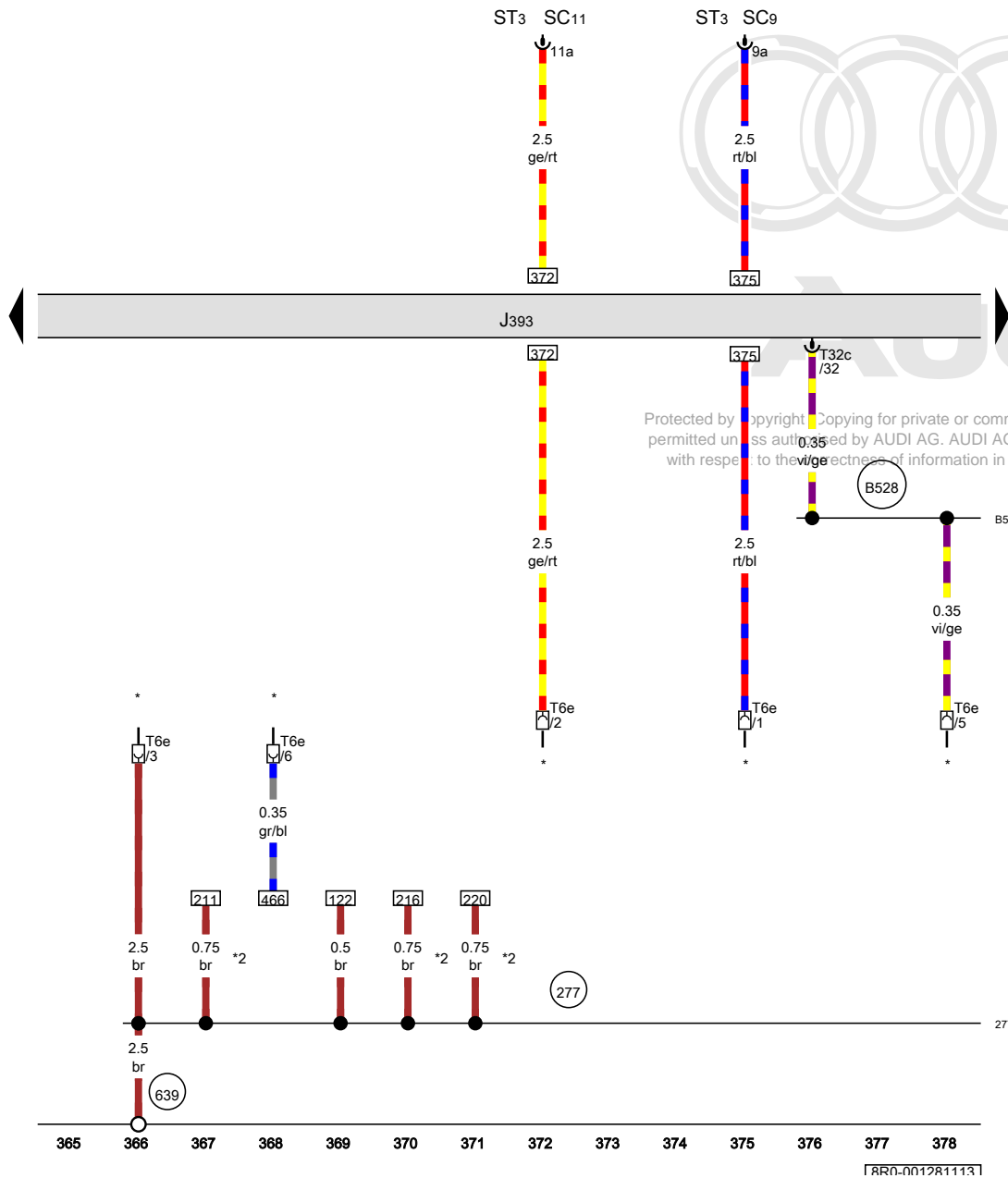
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# Comfort system central control module

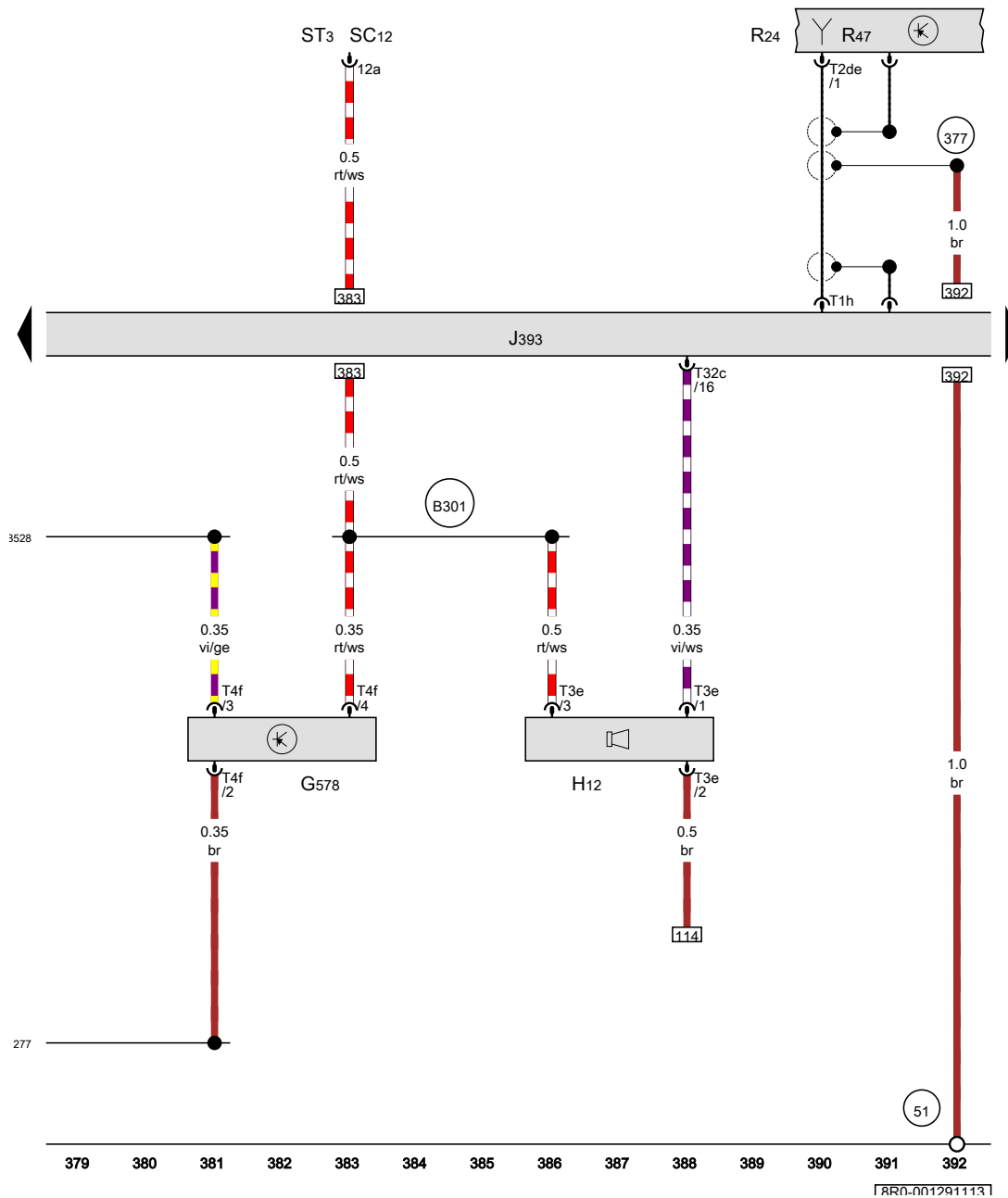
- J393 Comfort system central control module
- ST3 Fuse panel 3
- SC9 Fuse 9 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T6e 6-pin connector, black
- T32c 32-pin connector

- 277 Ground connection 3 (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B528 LIN bus connection 1 (in main wiring harness)

- \* Only for vehicles with panorama sunroof
- \*2 Diameter depends on equipment







# Anti-theft alarm system sensor, Alarm horn, Comfort system central control module, Central locking and anti-theft alarm system antenna

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J393 Comfort system central control module
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- ST3 Fuse panel 3
- SC12 Fuse 12 (on fuse panel C)
- T1h Single connector
- T2de Double connector
- T3e 3-pin connector
- T4f 4-pin connector
- T32c 32-pin connector

- 51 Ground connection in luggage compartment, right
- 277 Ground connection 3 (in interior wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- B301 Positive connection 5 (30) (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)

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Clutch pedal switch, Comfort system central control module

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- F305 Transmission park selector switch
- G476 Clutch position sensor
- J217 Transmission control module
- J393 Comfort system central control module
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T4h 4-pin connector
- T6g 6-pin connector
- T17q 17-pin connector, in the E-box
- T17r 17-pin connector, in the E-box
- T32d 32-pin connector

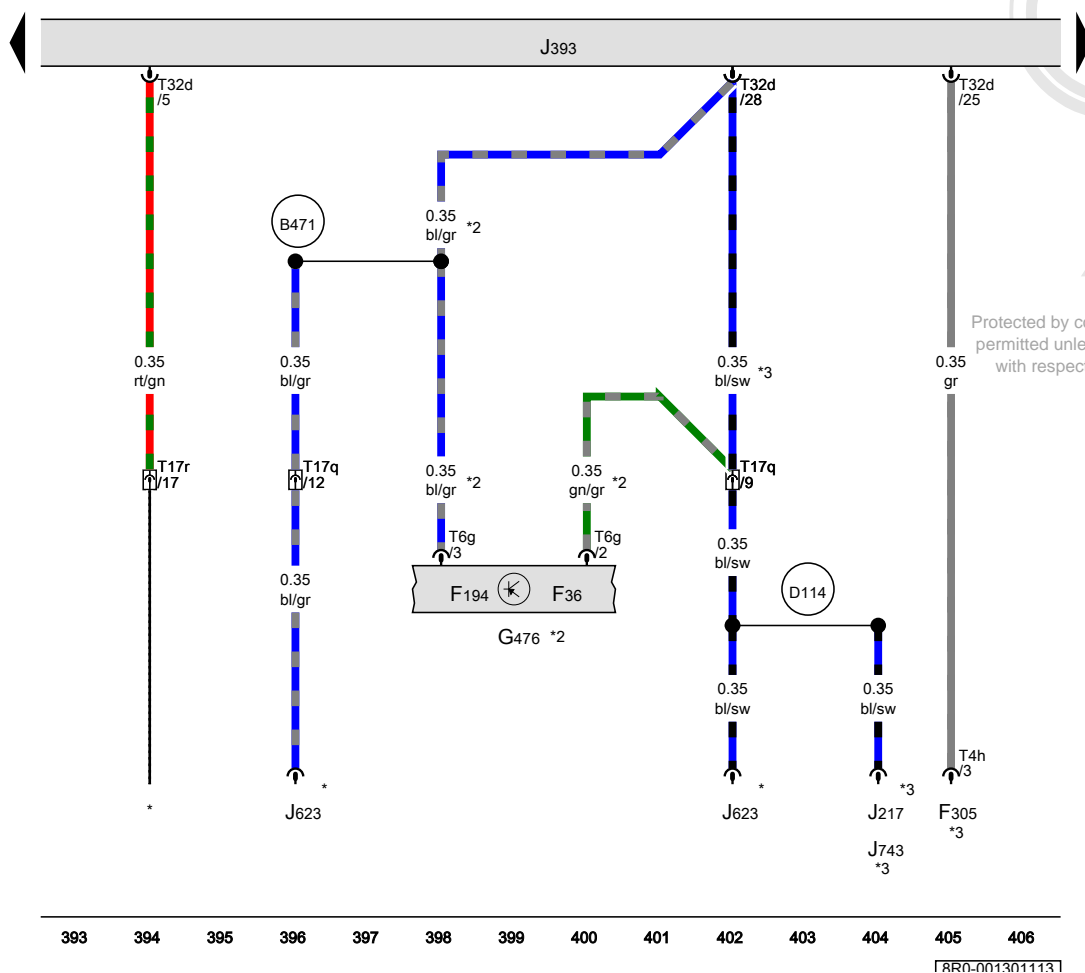
B471 Connection 7 (in main wiring harness)

D114 Connection 12 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Only for vehicles with a manual transmission
- \*3 Refer to applicable wiring diagram for automatic transmission

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Brake lamp switch, Comfort system central control module

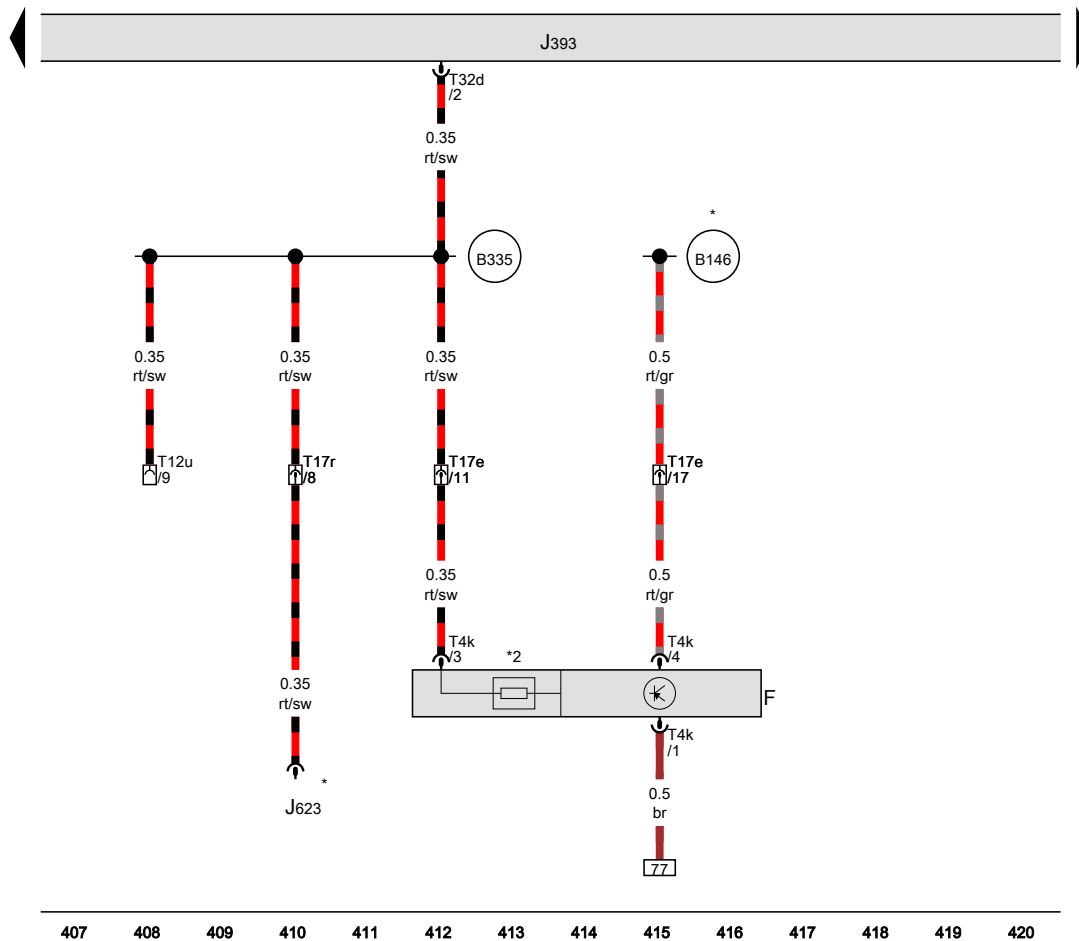
- F Brake lamp switch
- J393 Comfort system central control module
- J623 Engine control module
- T4k 4-pin connector
- T12u 12-pin connector, brown
- T17e 17-pin connector, in the left A-pillar connector station
- T17r 17-pin connector, in the E-box
- T32d 32-pin connector

B146 Positive connection 1 (87) (in interior wiring harness)

B335 Connection 54 (in main wiring harness) 1

\* Refer to applicable engine wiring diagram

\*2 Brake lamp sensor system coil



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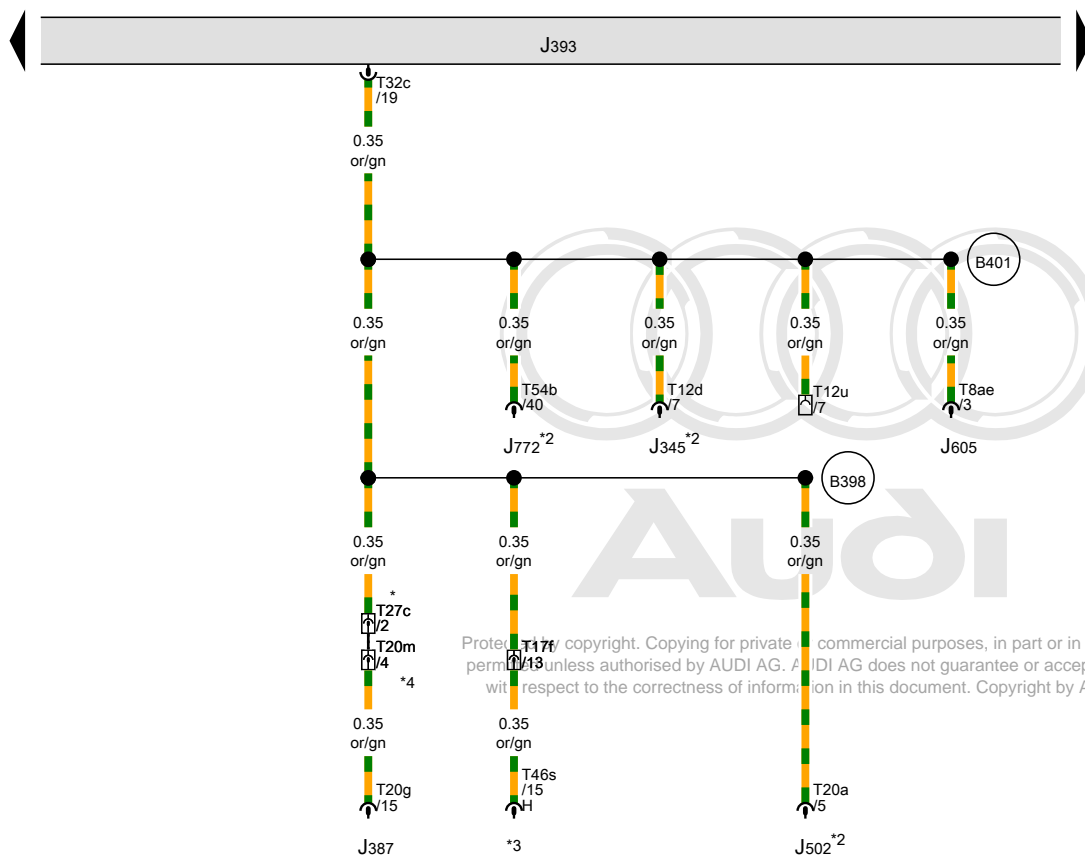
# Comfort system central control module

- J345 Towing recognition control module
- J387 Front passenger door control module
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J605 Rear lid control module
- J772 Rearview camera system control module
- T8ae 8-pin connector
- T12d 12-pin connector
- T12u 12-pin connector, brown
- T17f 17-pin connector, in the connector station, right A-pillar
- T20a 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, in the right D-pillar
- T27c 27-pin connector, in the right D-pillar
- T32c 32-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

**B398** Comfort system CAN bus high connection 2 (in main wiring harness)

**B401** Comfort system CAN bus high connection 5 (in main wiring harness)

- \* Omitted as a running change
- \*2 Depending on equipment
- \*3 Front passenger connection bridge, brown
- \*4 Running change



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# Comfort system central control module

- J345 Towing recognition control module
- J387 Front passenger door control module
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J605 Rear lid control module
- J772 Rearview camera system control module
- T8ae 8-pin connector
- T12d 12-pin connector
- T12u 12-pin connector, brown
- T17f 17-pin connector, in the connector station, right A-pillar
- T20a 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, in the right D-pillar
- T27c 27-pin connector, in the right D-pillar
- T32c 32-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

B407 Comfort system CAN bus low connection 2 (in main wiring harness)

B410 Comfort system CAN bus low connection 5 (in main wiring harness)

\* Omitted as a running change

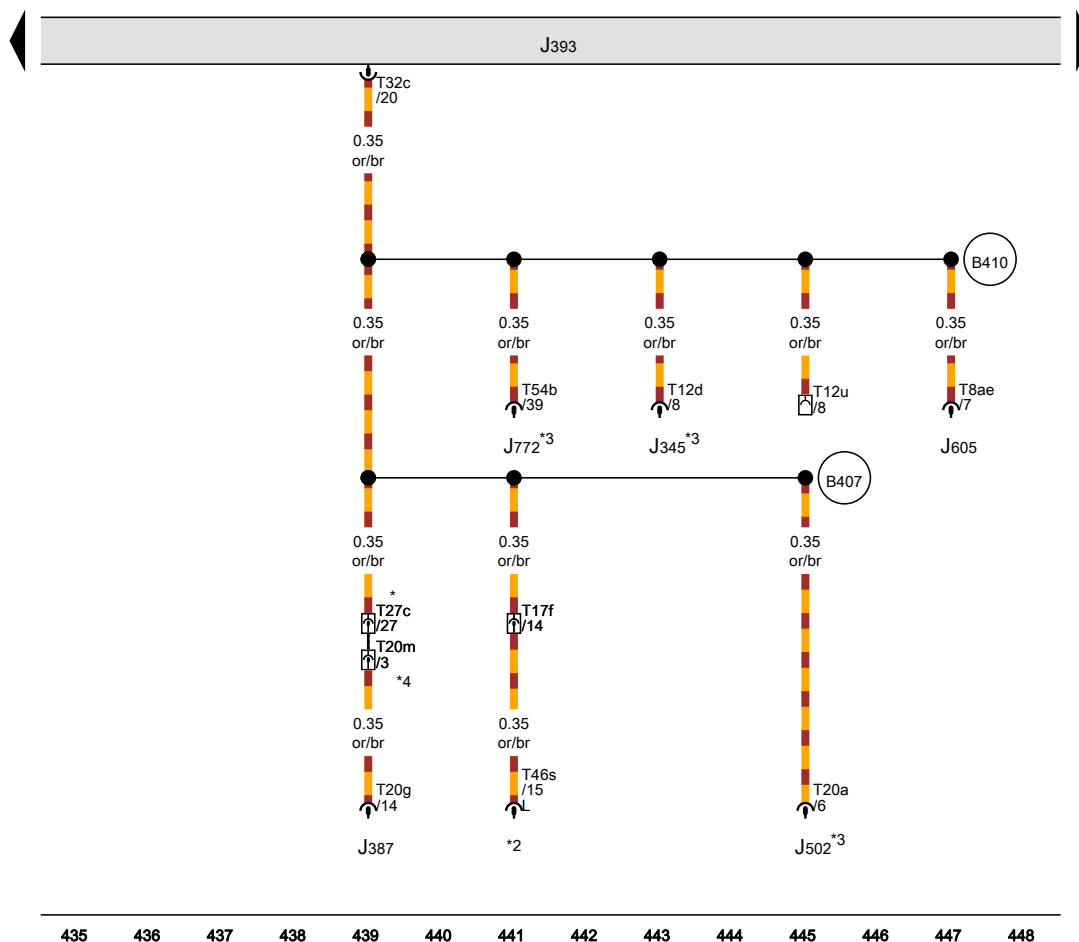
\*2 Front passenger connection bridge, brown

\*3 Depending on equipment

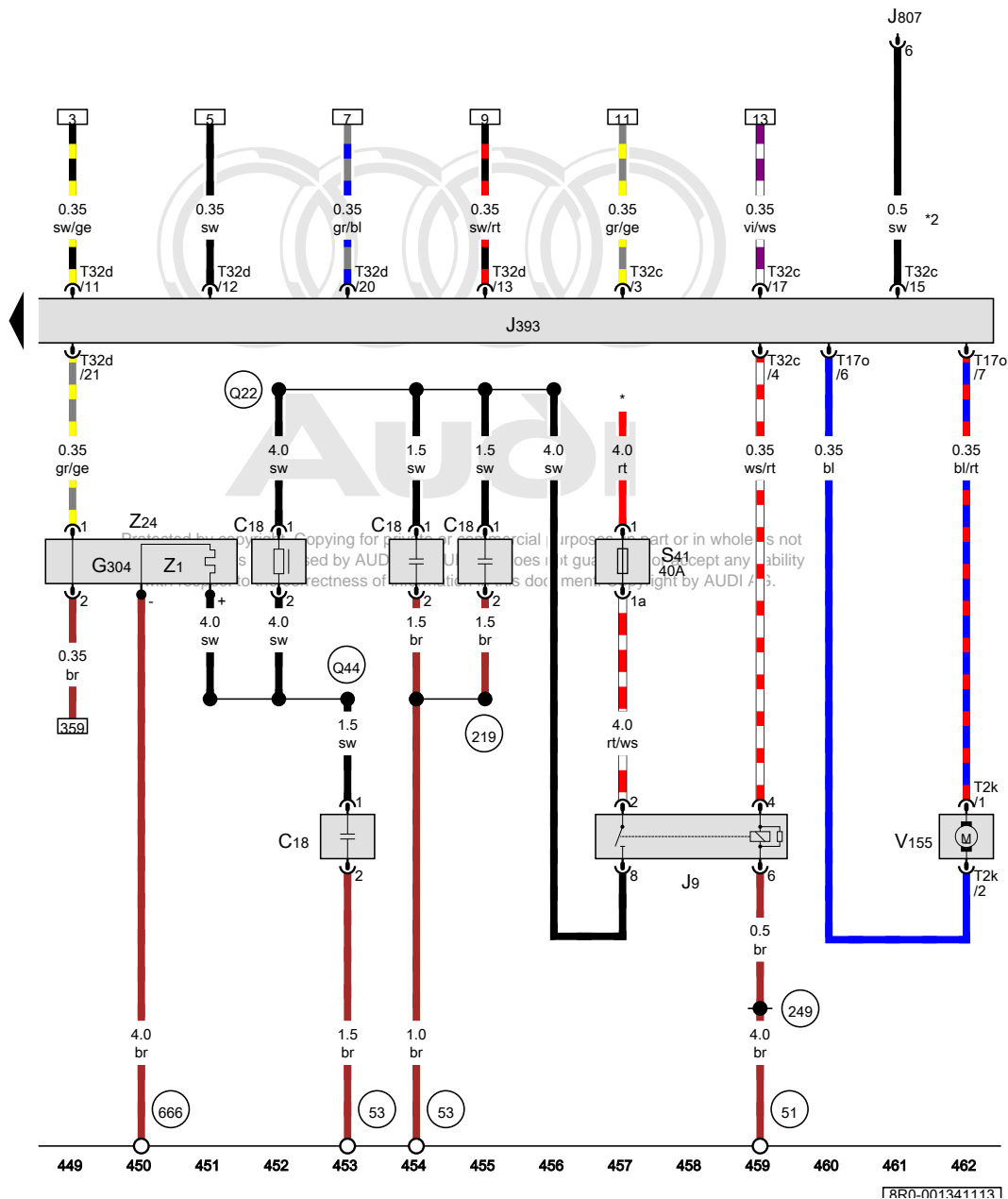
\*4 Running change

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18R0-0013311131



Rear window breakage sensor, Comfort system central control module, Fuel filler door unlock motor, Rear window defogger

- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- J807 Sockets relay
- S41 Rear window defogger fuse
- T2k Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door unlock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

\* Refer to applicable wiring diagram for fuse positions  
 \*2 Diameter depends on equipment

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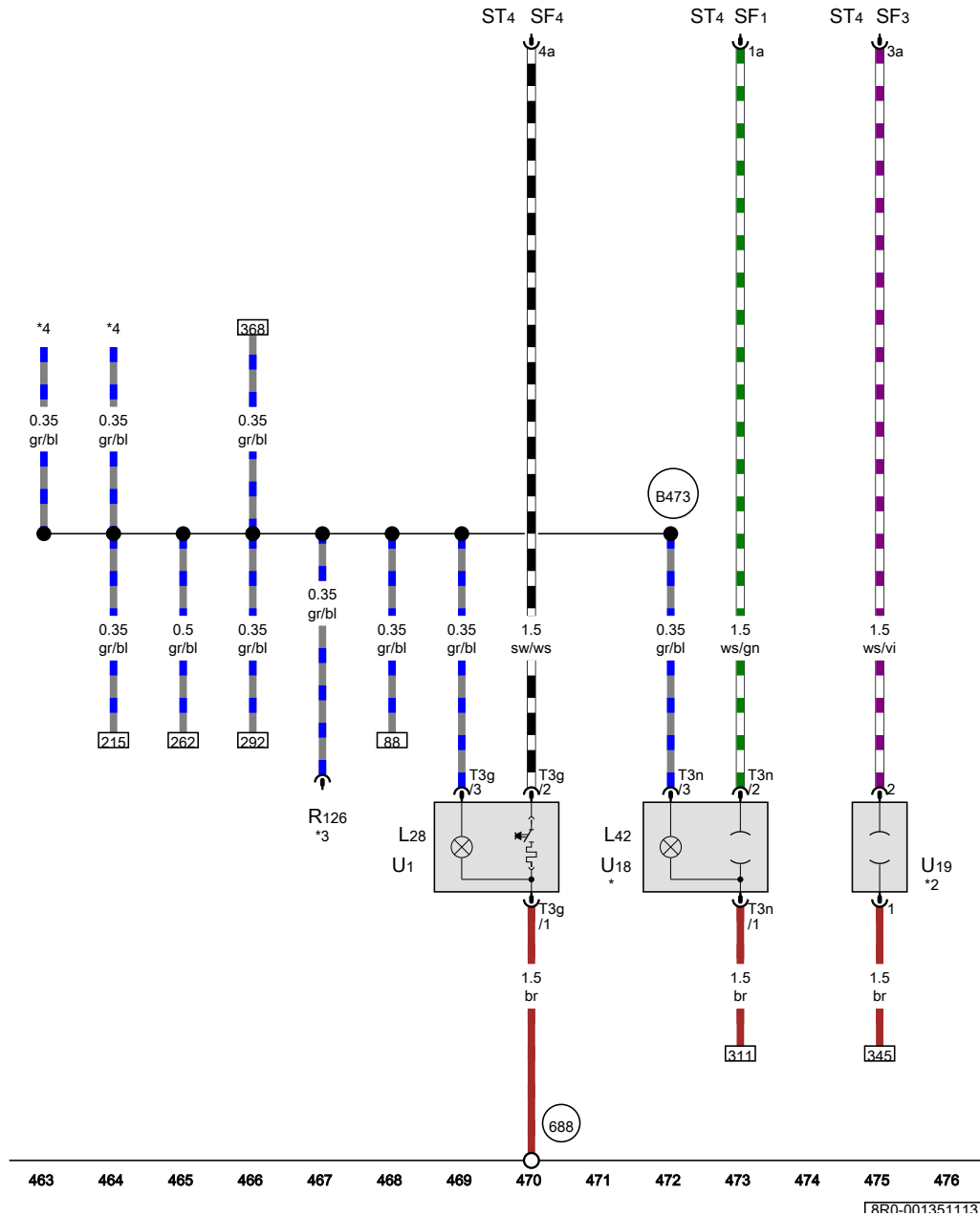
Cigarette lighter, 12 V socket 2, 12 V socket 3

- L28 Cigarette lighter illumination bulb
- L42 Socket illumination bulb
- R126 Telephone baseplate
- SF1 Fuse 1 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST4 Fuse panel 4
- T3g 3-pin connector
- T3n 3-pin connector
- U1 Cigarette lighter
- U18 12 V socket 2
- U19 12 V socket 3

688 Ground connection 2 on center tunnel

B473 Connection 9 (in main wiring harness)

- \* Depending on equipment
- \*2 Only for vehicles with 12 V socket in luggage compartment
- \*3 Refer to applicable telephone systems wiring diagram
- \*4 Refer to the applicable heated seats wiring diagram



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ARB-001351113

**Comfort system system**

from September 2008



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Access/start authorization button, Comfort system central control module, Access/start system antenna in luggage compartment, Access/start system antenna 1 in vehicle interior

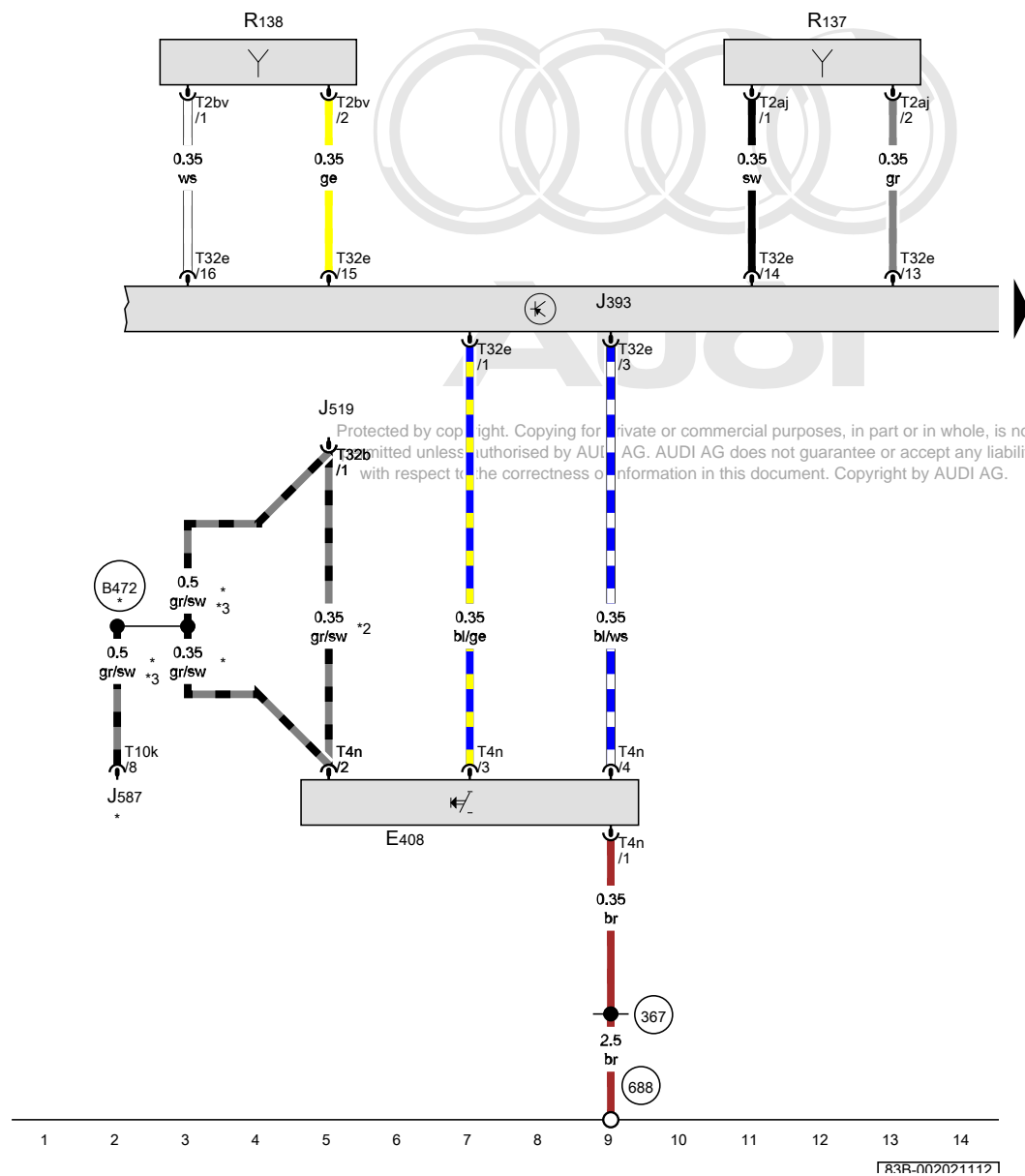
- E408 Access/start authorization button
- J393 Comfort system central control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- R137 Access/start system antenna in luggage compartment
- R138 Access/start system antenna 1 in vehicle interior
- T2aj Double connector
- T2bv Double connector
- T4n 4-pin connector
- T10k 10-pin connector
- T32b 32-pin connector
- T32e 32-pin connector

367 Ground connection 2 (in main wiring harness)

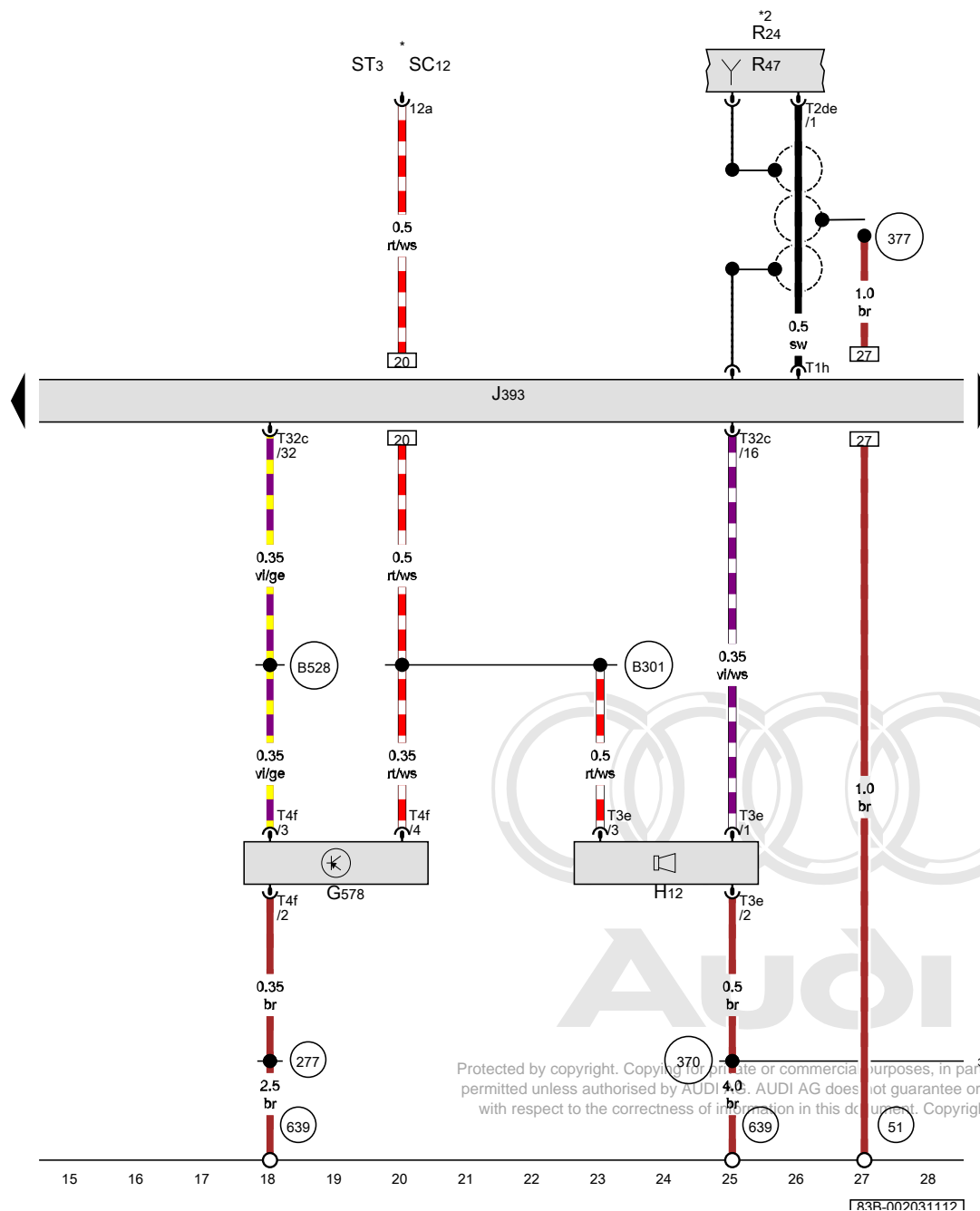
688 Ground connection 2 on center tunnel

B472 Connection 8 (in main wiring harness)

- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Only for vehicles with a manual transmission
- \*3 Diameter depends on equipment



Anti-theft alarm system sensor, Alarm horn, Comfort system central control module, Antenna amplifier



- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J393 Comfort system central control module
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- ST3 Fuse panel 3
- SC12 Fuse 12 (on fuse panel C)
- T1h Single connector
- T2de Double connector
- T3e 3-pin connector
- T4f 4-pin connector
- T32c 32-pin connector

- 51 Ground connection in luggage compartment, right
- 277 Ground connection 3 (in interior wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B301 Positive connection 5 (30) (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions  
 \*2 Refer to applicable wiring diagram

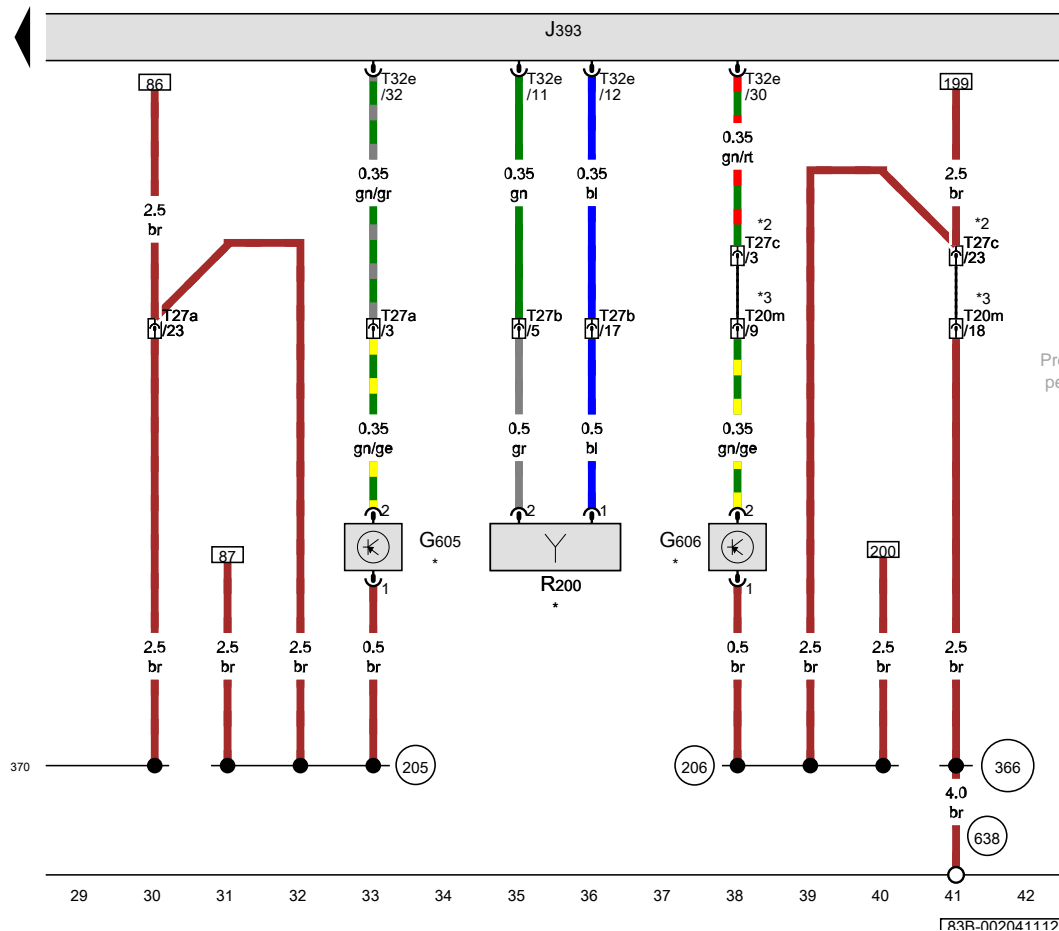
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Left front exterior door handle touch sensor, Right front exterior door handle touch sensor, Comfort system central control module, Left access/start authorization antenna

- G605 Left front exterior door handle touch sensor
- G606 Right front exterior door handle touch sensor
- J393 Comfort system central control module
- R200 Left access/start authorization antenna
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Left B-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- T32e 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 206 Ground connection (in front passenger door wiring harness)
- 366 Ground connection 1 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 638 Ground connection on right A-pillar
- \* Depending on equipment
- \*2 Omitted as a running change
- \*3 Running change



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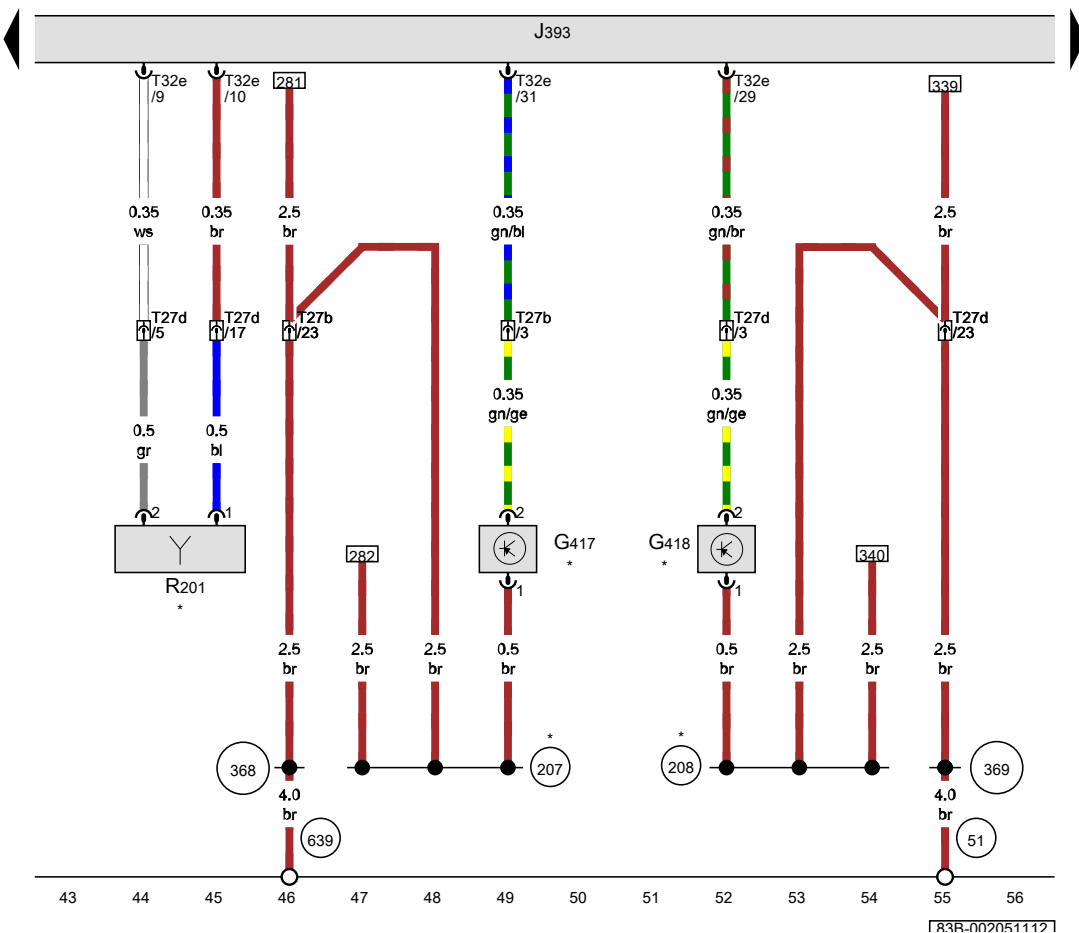
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- ge = yellow
- or = orange
- rs = pink

Left rear exterior door handle touch sensor, Right rear exterior door handle touch sensor, Comfort system central control module, Right access/start authorization antenna

- G417 Left rear exterior door handle touch sensor
- G418 Right rear exterior door handle touch sensor
- J393 Comfort system central control module
- R201 Right access/start authorization antenna
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T32e 32-pin connector

- 51 Ground connection in luggage compartment, right
- 207 Ground connection (in left rear door wiring harness)
- 208 Ground connection (in right rear door wiring harness)
- 368 Ground connection 3 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- 639 Ground connection on left A-pillar
- \* Depending on equipment

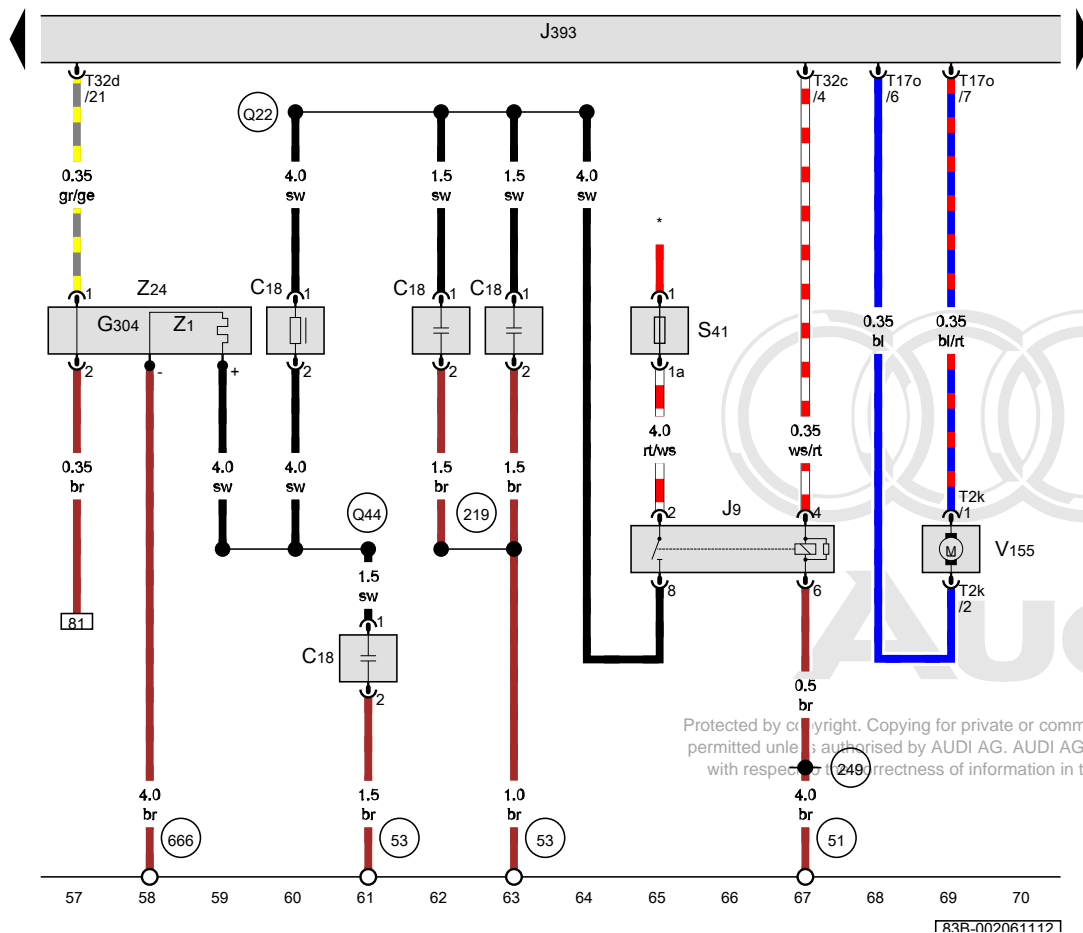
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- rs = pink

Windshield antenna suppression filter, Rear window breakage sensor, Rear window defogger relay, Comfort system central control module, Fuel filler door unlock motor, Rear window defogger

- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- S41 Rear window defogger fuse
- T2k Double connector
- T17o 17-pin connector
- T27d 27-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door unlock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna



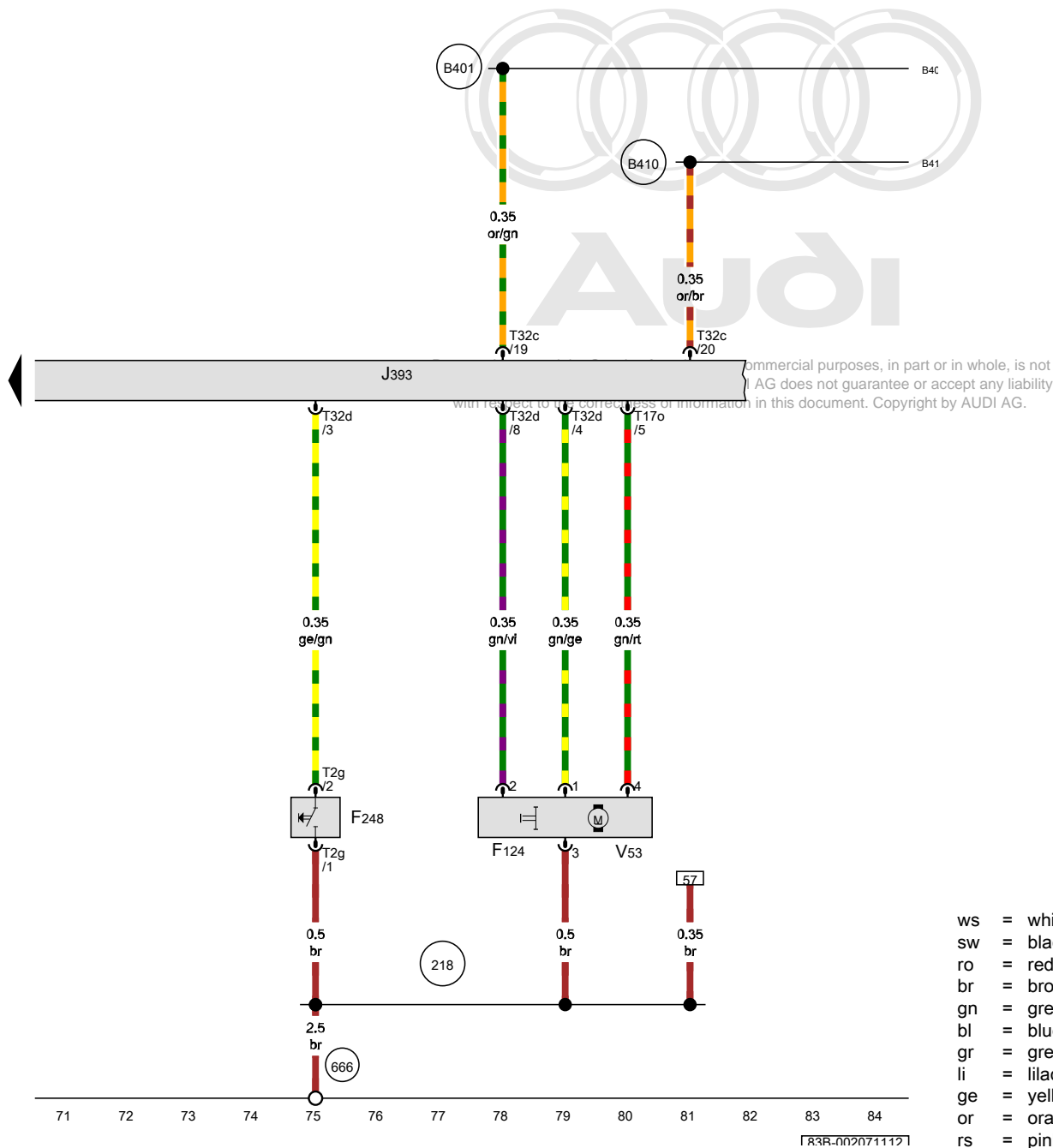
- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

\* Refer to applicable wiring diagram for fuse positions

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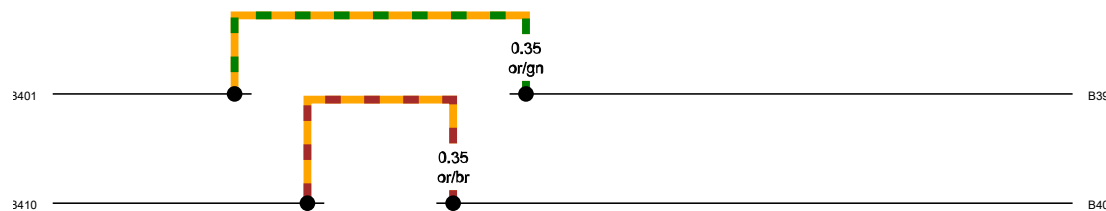


Rear lid lock/alarm/central locking switch, Rear lid lock cylinder unlock button, Comfort system central control module, Rear lid central locking system motor

- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J393 Comfort system central control module
- T2g Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor

- 218 Ground connection 1 (in rear lid wiring harness)
- 666 Ground connection on roof, right rear
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

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- ro = red
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- gr = grey
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- rs = pink

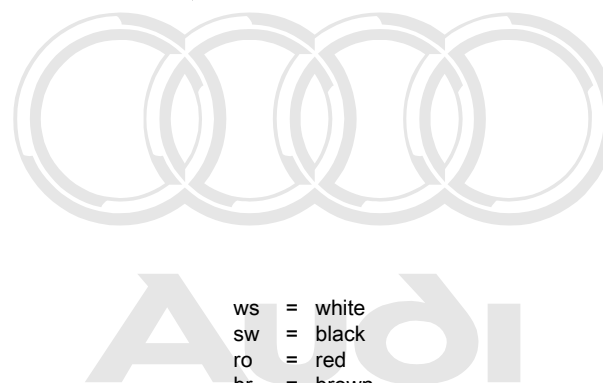
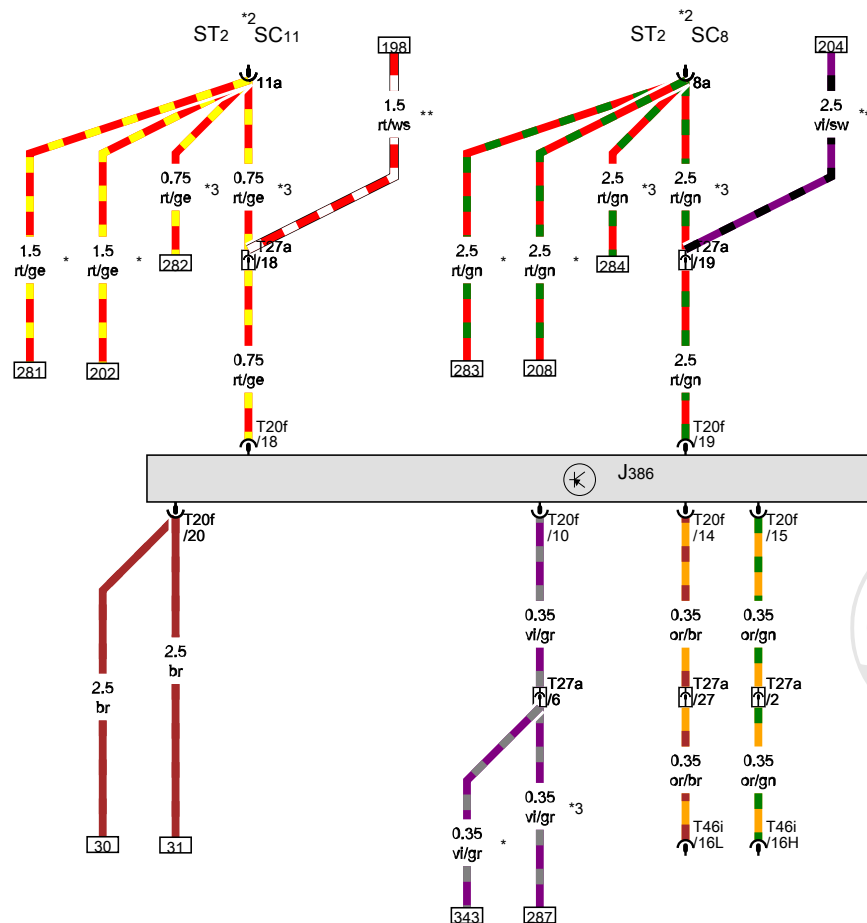


### Driver door control module

- J386 Driver door control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T46i 46-pin connector

- (B398) Comfort system CAN bus high connection 2 (in main wiring harness)
- (B401) Comfort system CAN bus high connection 5 (in main wiring harness)
- (B407) Comfort system CAN bus low connection 2 (in main wiring harness)
- (B410) Comfort system CAN bus low connection 5 (in main wiring harness)

- \* Only for right-hand drive vehicles
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Only for left-hand drive vehicles



- ws = white
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- ro = red
- br = brown
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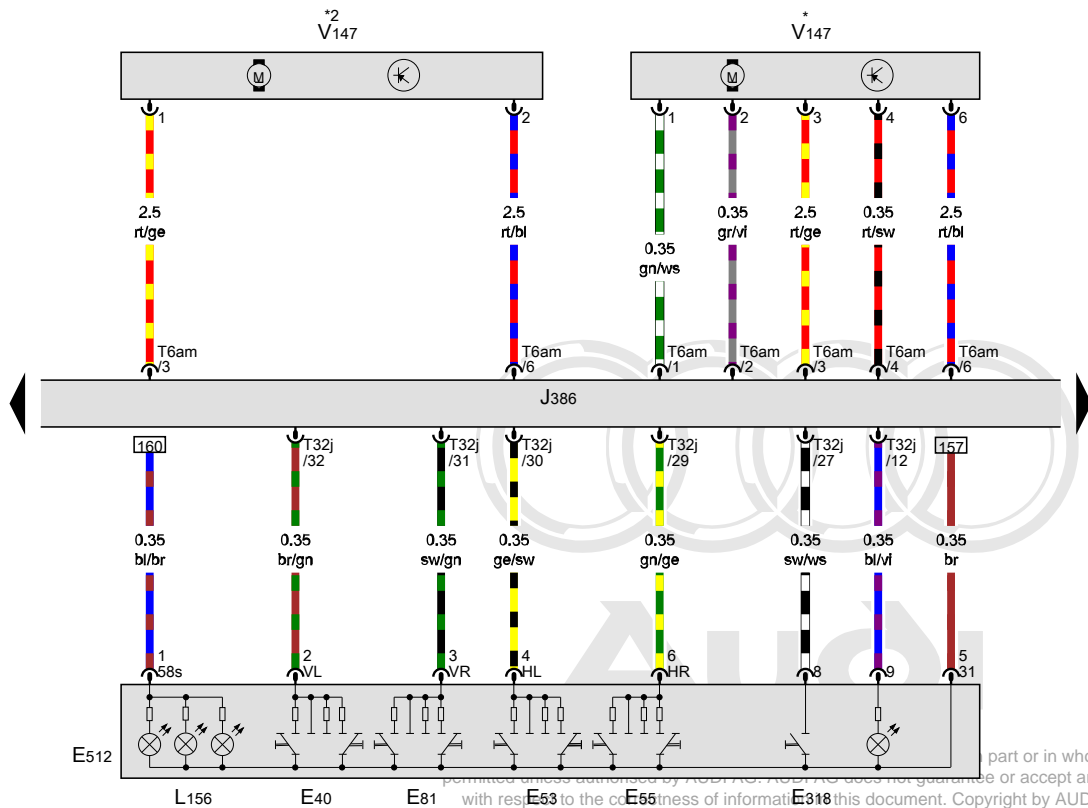
Power window control head in driver door, Driver door control module, Driver window regulator motor

- E40 Left front window regulator switch
- E53 Left rear window regulator switch in driver door
- E55 Right rear window regulator switch in driver door
- E81 Right front power window switch in driver door
- E318 Child safety lock button
- E512 Power window control head in driver door
- J386 Driver door control module
- L156 Switch illumination bulb
- T6am 6-pin connector
- T32j 32-pin connector
- V147 Driver window regulator motor

B398 Comfort system CAN bus high connection 2 (in main wiring harness)

B407 Comfort system CAN bus low connection 2 (in main wiring harness)

- \* Omitted as a running change
- \*2 Running change



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3398 \_\_\_\_\_ B398

3407 \_\_\_\_\_ B407

### Driver central locking lock unit, Driver door control module

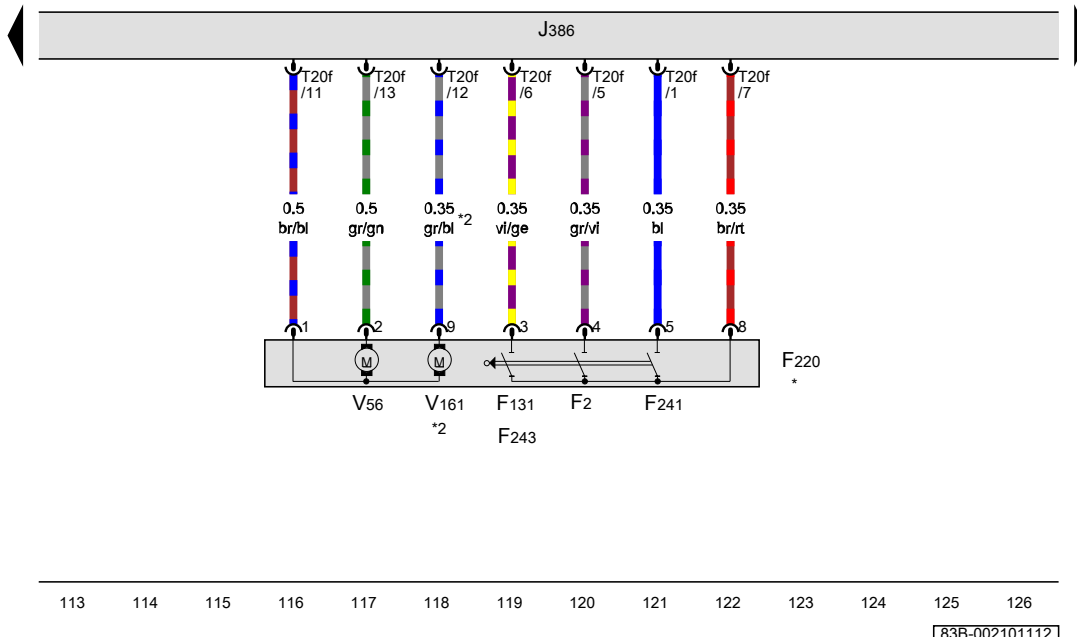
- F2 Driver door contact switch
- F131 Left front central locking system actuator
- F220 Driver central locking lock unit
- F241 Driver lock cylinder contact switch
- F243 Driver door central locking -SAFE- function actuator
- J386 Driver door control module
- T20f 20-pin connector
- V56 Driver door central locking system motor
- V161 Driver door central locking -SAFE- motor

**B398** Comfort system CAN bus high connection 2 (in main wiring harness)

**B407** Comfort system CAN bus low connection 2 (in main wiring harness)

\* Omitted as a running change

\*2 Only for vehicles with SAFE function



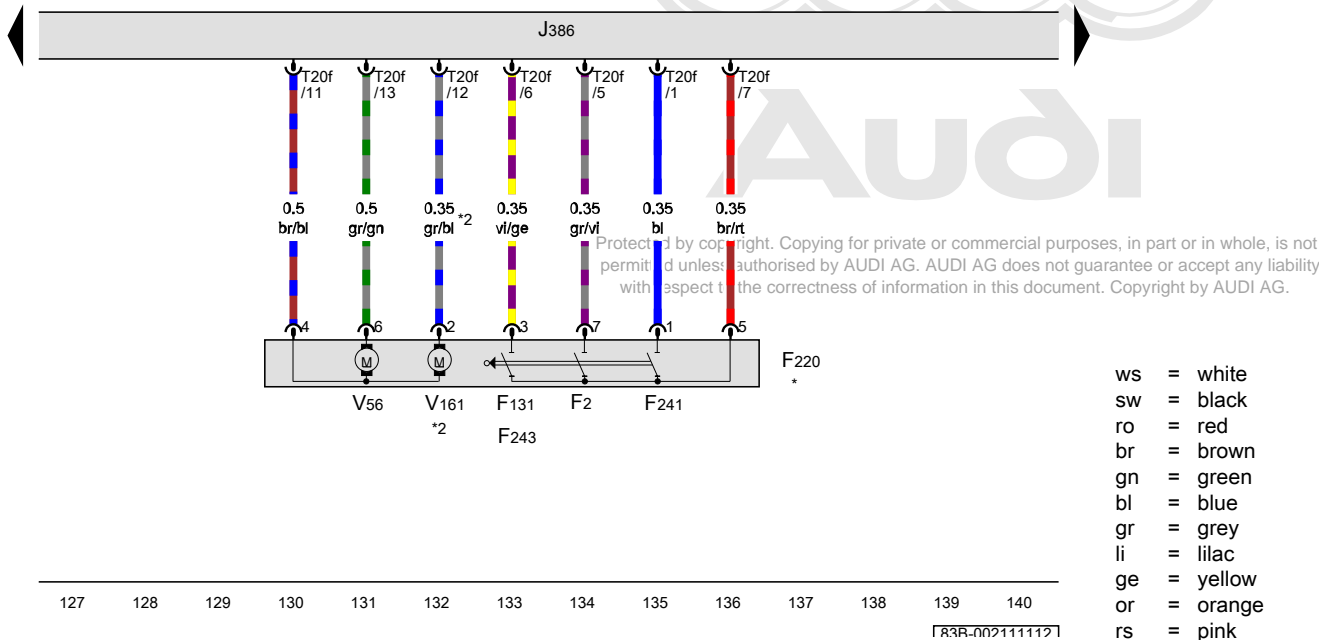
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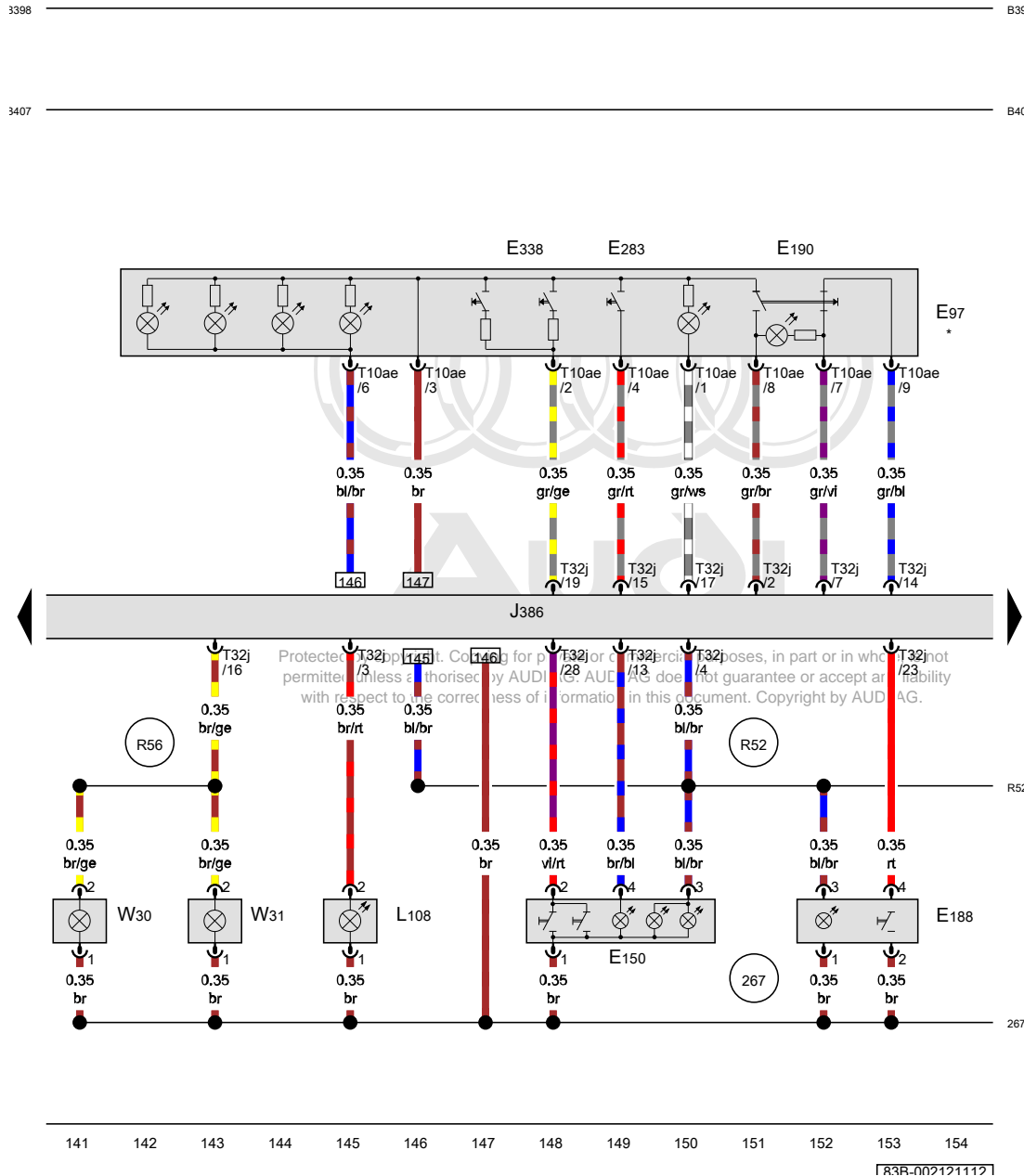
3398 \_\_\_\_\_ B36

3407 \_\_\_\_\_ B40

# 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
- F243 Driver door central locking -SAFE- function actuator
- J386 Driver door control module
- T20f 20-pin connector
- V56 Driver door central locking system motor
- V161 Driver door central locking -SAFE- motor
- B398** Comfort system CAN bus high connection 2 (in main wiring harness)
- B407** Comfort system CAN bus low connection 2 (in main wiring harness)
- \* Running change
- \*2 Only for vehicles with SAFE function





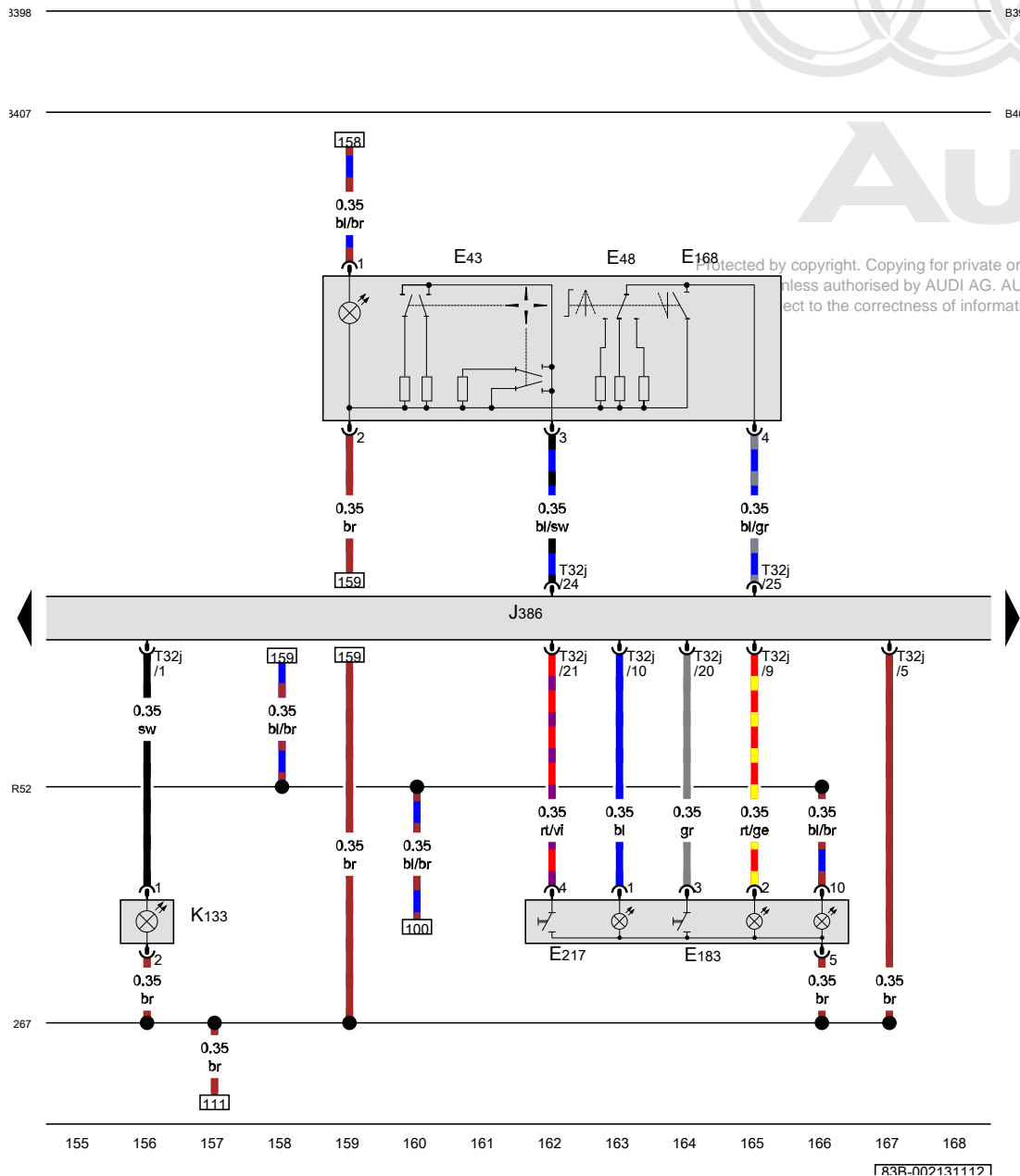
Driver memory seat control head, Driver interior locking switch, Rear lid remote unlock switch, Driver door control module, Driver door opener illumination bulb, Driver door warning lamp, Left front entry lamp

- E97 Driver memory seat control head
- E150 Driver interior locking switch
- E188 Rear lid remote unlock switch
- E190 Emergency off button
- E283 Driver seat memory button
- E338 Memory seat positions 1 and 2 button
- J386 Driver door control module
- L108 Driver door opener illumination bulb
- T10ae 10-pin connector
- T32j 32-pin connector
- W30 Driver door warning lamp
- W31 Left front entry lamp

- 267 Ground connection 2 (in driver door 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)
- R52 Connection 58s (in driver door wiring harness)
- R56 Entry lamp connection (in driver door wiring harness)

\* Driver memory seat

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, Mirror selector switch, Folding mirror adjustment switch, Interior monitoring switch, Alarm system deactivation switch, Driver door control module, Central locking -SAFE- indicator lamp

- E43 Mirror adjusting switch
- E48 Mirror selector switch
- E168 Folding mirror adjustment switch
- E183 Interior monitoring switch
- E217 Alarm system deactivation switch
- J386 Driver door control module
- K133 Central locking -SAFE- indicator lamp
- T32j 32-pin connector

- 267 Ground connection 2 (in driver door 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)
- R52 Connection 58s (in driver door wiring harness)

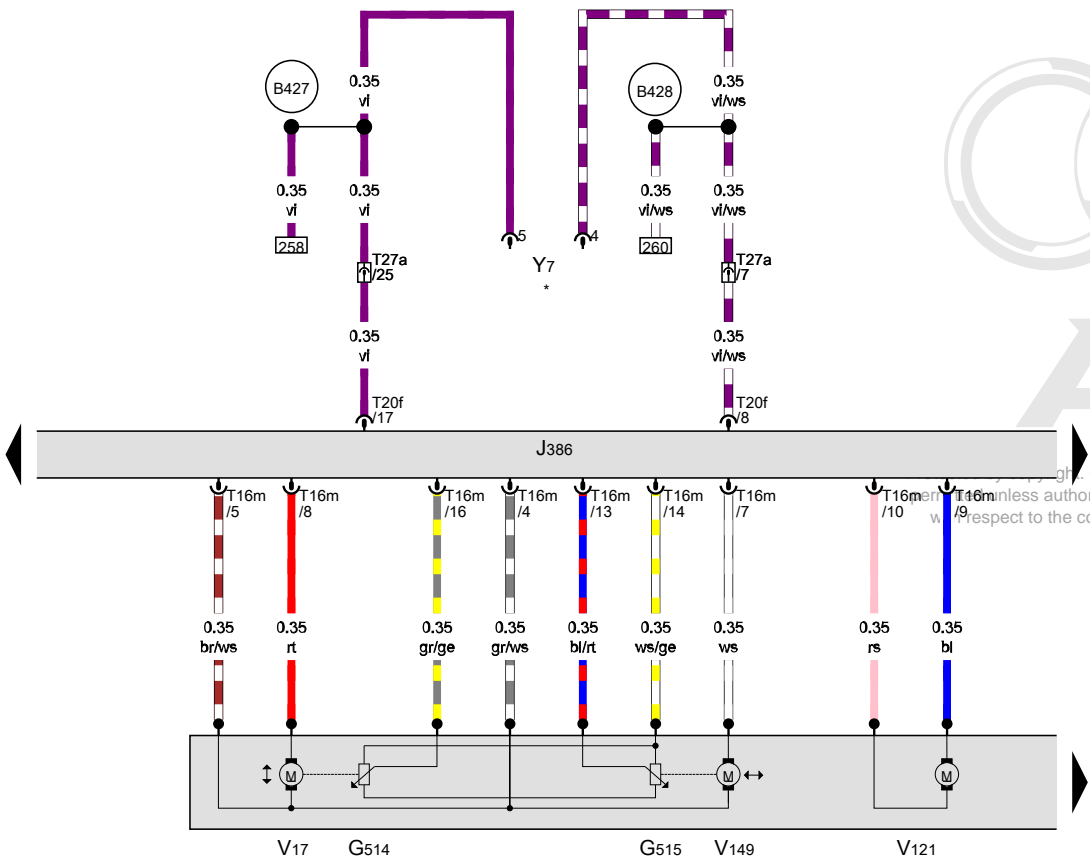
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3398 B36

3407 B4C

Driver exterior rearview mirror horizontal position sensor,  
Driver exterior rearview mirror vertical position sensor,  
Driver door control module, Driver mirror adjustment motor,  
Driver exterior rearview mirror folding motor, Driver mirror  
adjustment motor

- G514 Driver exterior rearview mirror horizontal position sensor
- G515 Driver exterior rearview mirror vertical position sensor
- J386 Driver door control module
- T16m 16-pin connector
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- V17 Driver mirror adjustment motor
- V121 Driver exterior rearview mirror folding motor
- V149 Driver mirror adjustment motor
- Y7 Automatic dimming interior rearview mirror
- 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)
- \* Only for vehicles with automatic dimming interior rearview mirror

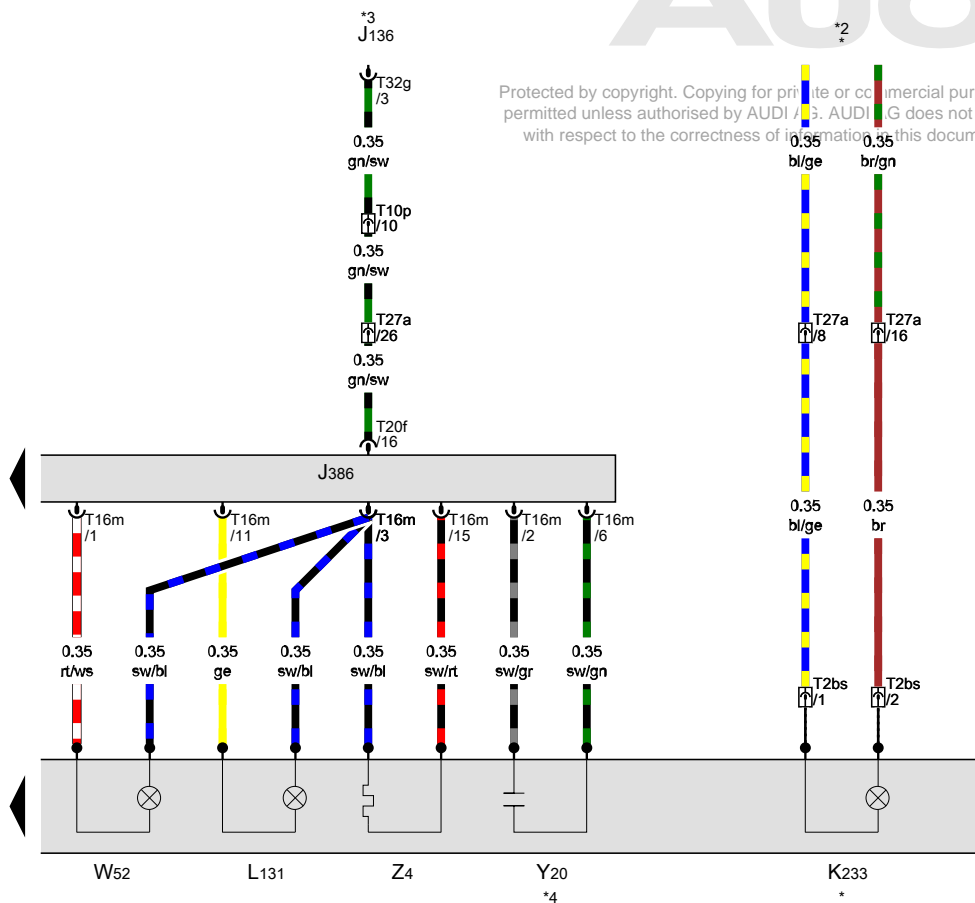


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3398 B36

3407 B4C

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Driver door control module, Lane change assistance warning lamp in driver exterior rearview mirror, Driver exterior rearview mirror turn signal bulb, Driver entry lamp in exterior rearview mirror, Driver automatic dimming exterior rearview mirror, Heated driver exterior rearview mirror

- J136 Memory seat/steering column adjustment control module
- J386 Driver door control module
- K233 Lane change assistance warning lamp in driver exterior rearview mirror
- L131 Driver exterior rearview mirror turn signal bulb
- T2bs Double connector, black
- T10p 10-pin connector, red
- T16m 16-pin connector
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T32g 32-pin connector
- W52 Driver entry lamp in exterior rearview mirror
- Y20 Driver automatic dimming exterior rearview mirror
- Z4 Heated driver exterior rearview mirror

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 for vehicles with lane assist
- \*2 Refer to applicable wiring diagram
- \*3 Only for vehicles with power memory seats
- \*4 Only for vehicles with automatic dimming exterior rearview mirror

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

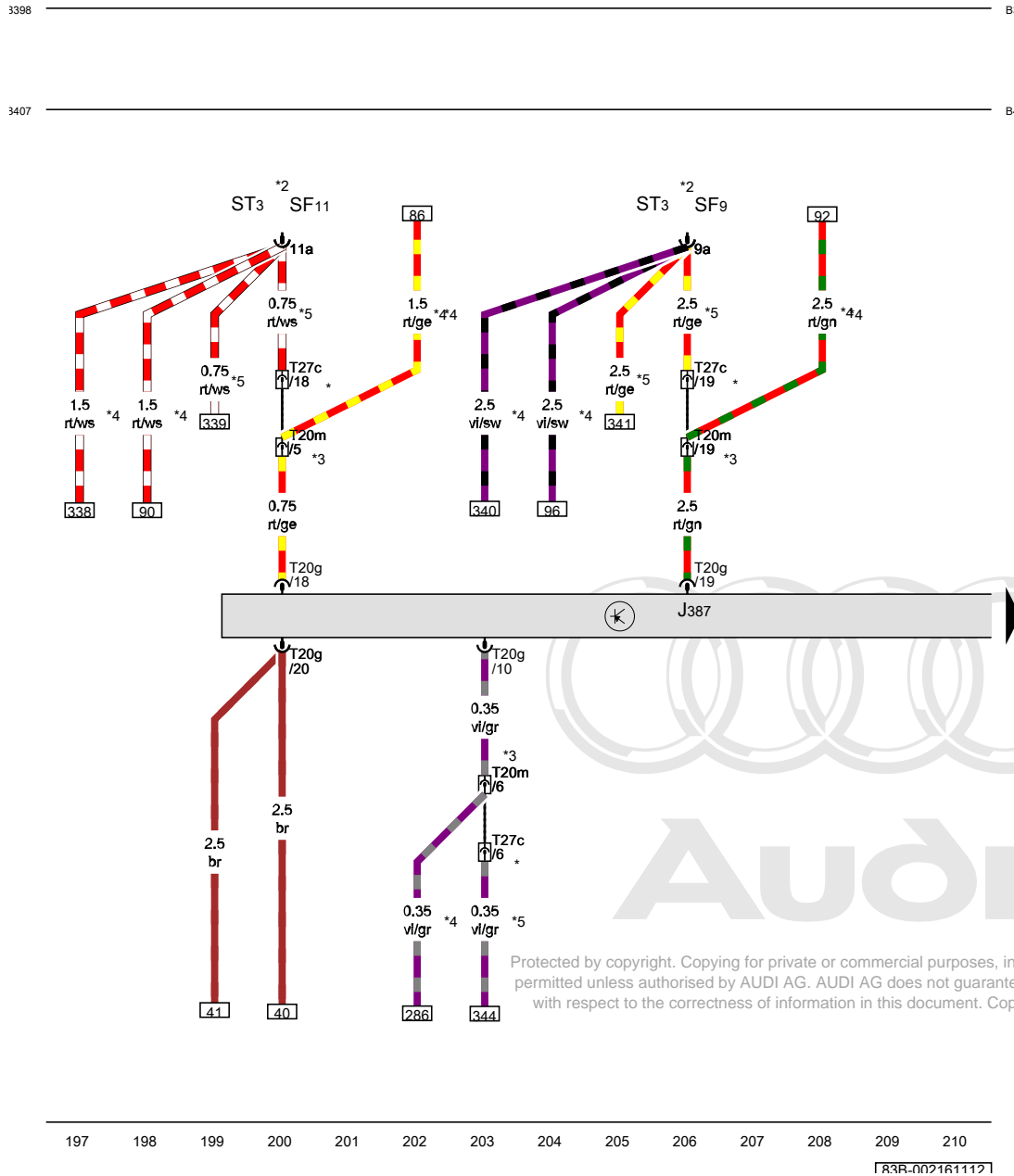
183B-002151117

# Front passenger door control module

- J387 Front passenger door control module
- ST3 Fuse panel 3
- SF9 Fuse 9 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom

- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)

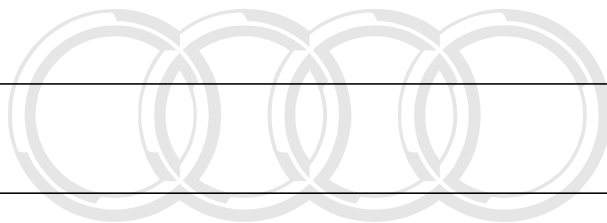
- \* Omitted as a running change
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Running change
- \*4 Only for right-hand drive vehicles
- \*5 Only for left-hand drive vehicles



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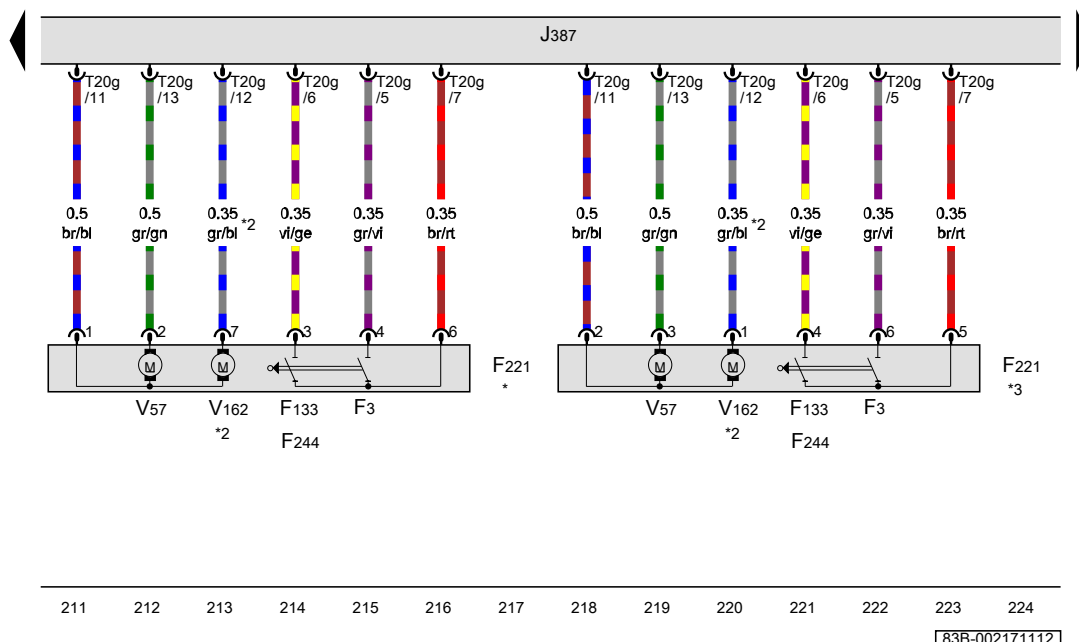
## Front passenger central locking lock unit, Front passenger door control module

- F3 Front passenger door contact switch
- F133 Right front central locking system actuator
- F221 Front passenger central locking lock unit
- F244 Front passenger door central locking -SAFE- function actuator
- 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

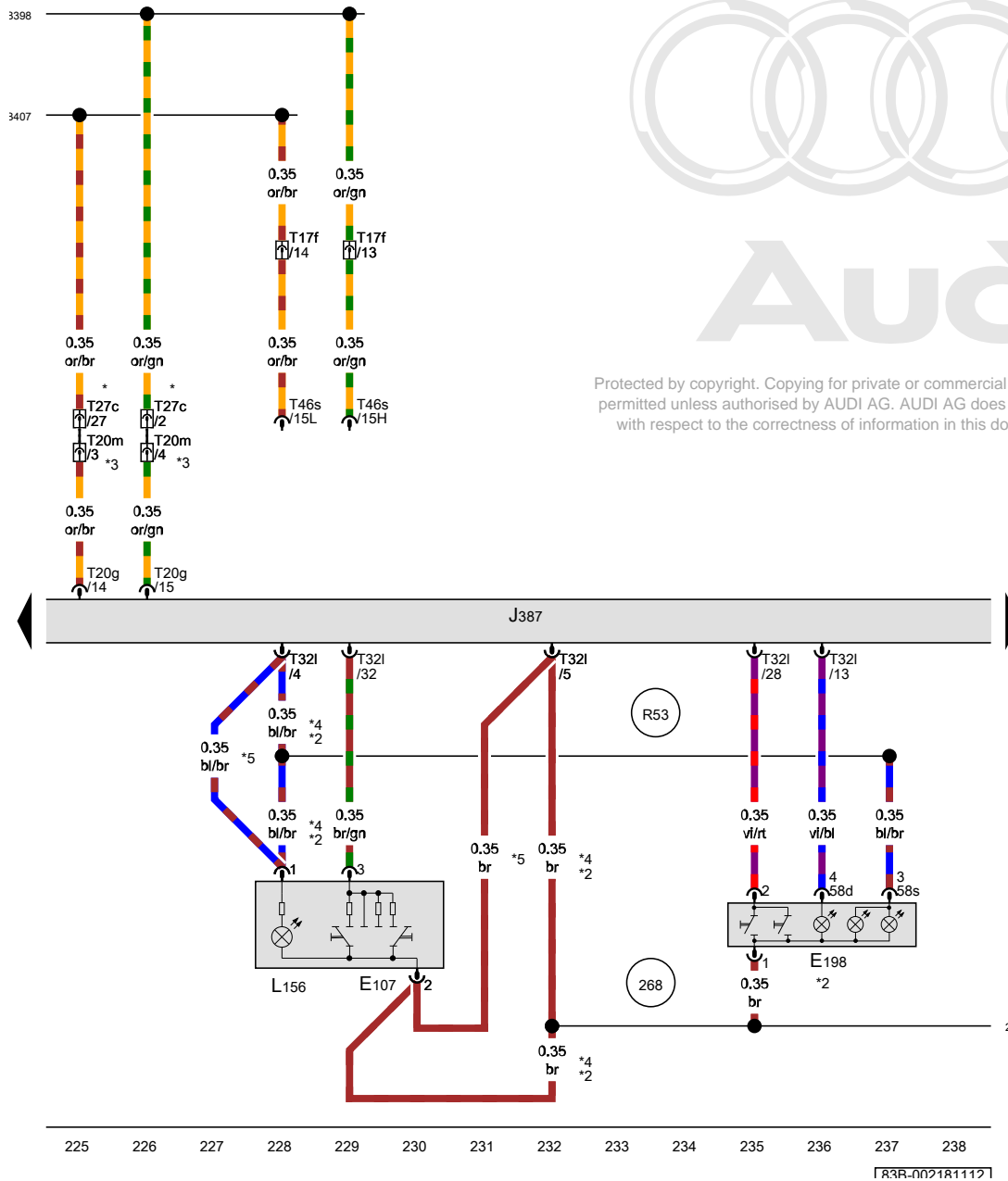
B398 Comfort system CAN bus high connection 2 (in main wiring harness)

B407 Comfort system CAN bus low connection 2 (in main wiring harness)

- \* Omitted as a running change
- \*2 Only for vehicles with SAFE function
- \*3 Running change







Front passenger door window regulator switch, Front passenger interior locking switch, Front passenger door control module

- |      |  |
|------|--|
| E107 | Front passenger door window regulator switch |
| E198 | Front passenger interior locking switch      |
| J387 | Front passenger door control module          |
| L156 | Switch illumination bulb                     |
| T17f | 17-pin connector, brown                      |
| T20g | 20-pin connector                             |
| T20m | 20-pin connector, Right A-pillar, bottom     |
| T27c | 27-pin connector, Right A-pillar, bottom     |
| T32l | 32-pin connector                             |
| T46s | 46-pin connector                             |

- |      |   |
|------|---|
| 268  | Ground connection 2 (in front passenger door 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)  |
| R53  | Connection 58s (in front passenger door wiring harness)           |

- \* Omitted as a running change
- \*2 Only for vehicles with US equipment
- \*3 Running change
- \*4 Depending on equipment
- \*5 Only for vehicles without US equipment

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or = orange  
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Front passenger door control module, Front passenger door opener illumination bulb, Front passenger window regulator motor, Right front entry lamp, Front passenger door warning lamp

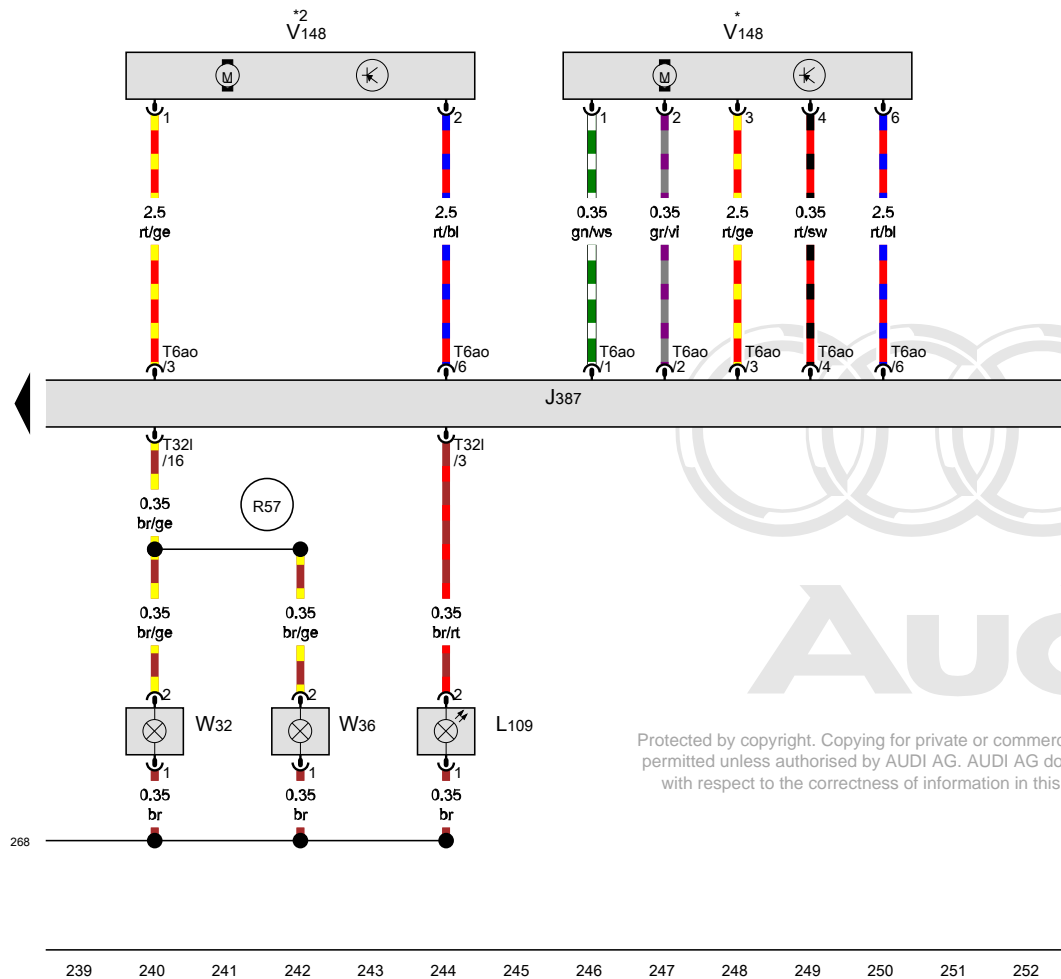
- J387 Front passenger door control module
- L109 Front passenger door opener illumination bulb
- T6ao 6-pin connector
- T32l 32-pin connector
- V148 Front passenger window regulator motor
- W32 Right front entry lamp
- W36 Front passenger door warning lamp

268 Ground connection 2 (in front passenger door wiring harness)

R57 Entry lamp connection (in front passenger door wiring harness)

\* Omitted as a running change

\*2 Running change



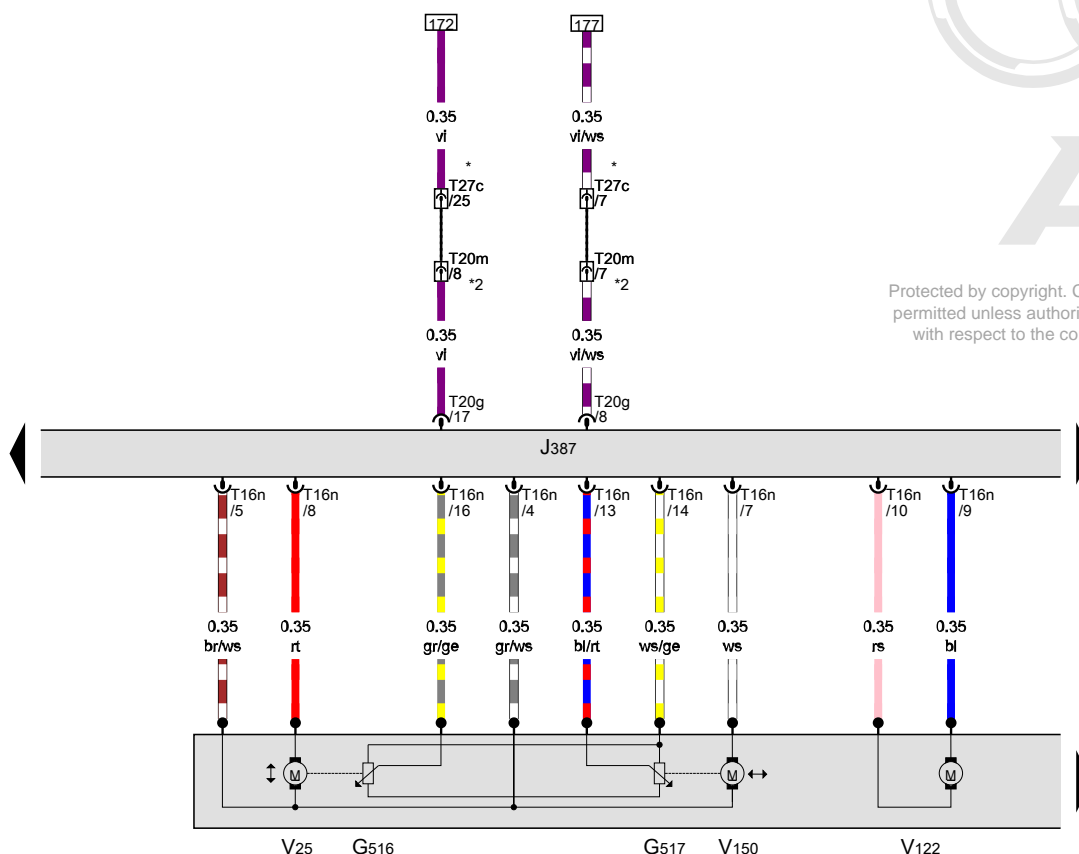
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Front passenger exterior rearview mirror horizontal position sensor, Front passenger exterior rearview mirror vertical position sensor, Front passenger door control module, Front passenger mirror adjustment motor, Front passenger exterior rearview mirror folding motor, Front passenger mirror adjustment motor

- G516 Front passenger exterior rearview mirror horizontal position sensor
- G517 Front passenger exterior rearview mirror vertical position sensor
- J387 Front passenger door control module
- T16n 16-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- V25 Front passenger mirror adjustment motor
- V122 Front passenger exterior rearview mirror folding motor
- V150 Front passenger mirror adjustment motor
- \* Omitted as a running change
- \*2 Running change

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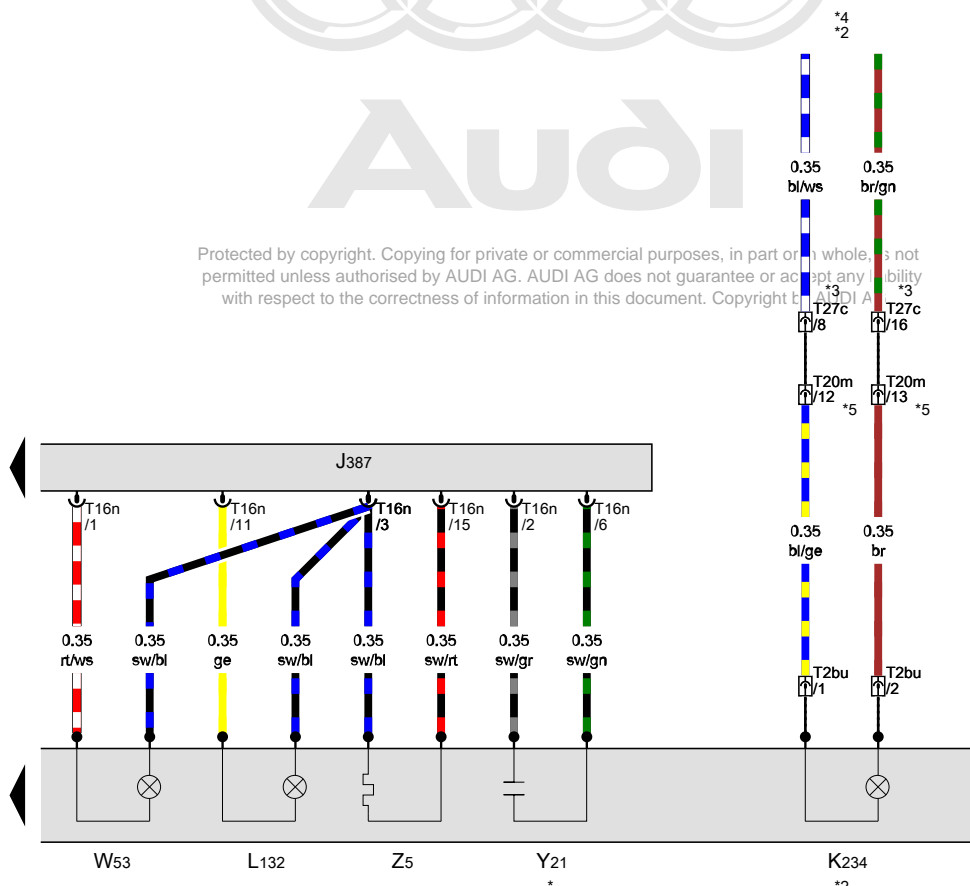
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253 254 255 256 257 258 259 260 261 262 263 264 265 266

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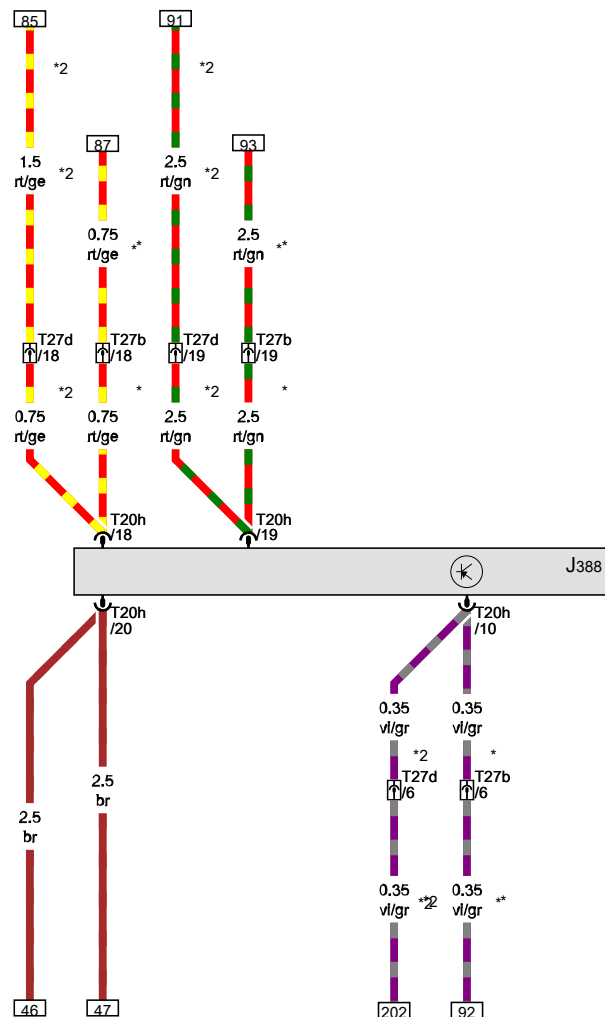
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Front passenger door control module, Lane change assistance warning lamp in front passenger exterior rearview mirror, Front passenger exterior rearview mirror turn signal bulb, Front passenger entry lamp in exterior rearview mirror, Front passenger automatic dimming exterior rearview mirror, Heated front passenger exterior rearview mirror

- J387 Front passenger door control module
- K234 Lane change assistance warning lamp in front passenger exterior rearview mirror
- L132 Front passenger exterior rearview mirror turn signal bulb
- T2bu Double connector, black
- T16n 16-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- W53 Front passenger entry lamp in exterior rearview mirror
- Y21 Front passenger automatic dimming exterior rearview mirror
- Z5 Heated front passenger exterior rearview mirror
- \* Only for vehicles with automatic dimming exterior rearview mirror
- \*2 Only for vehicles with lane assist
- \*3 Omitted as a running change
- \*4 Refer to applicable wiring diagram
- \*5 Running change

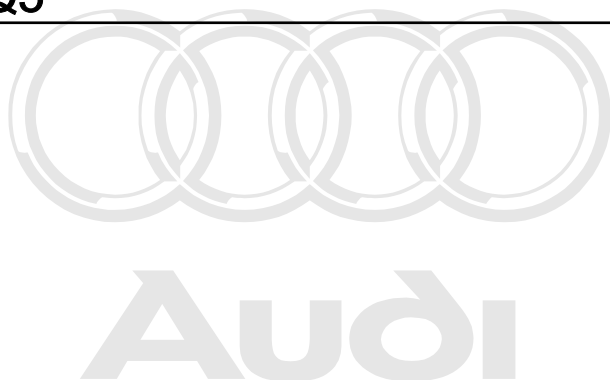
# Left rear door control module

- J388 Left rear door control module
- T20h 20-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- \* Only for left-hand drive vehicles
- \*2 Only for right-hand drive vehicles



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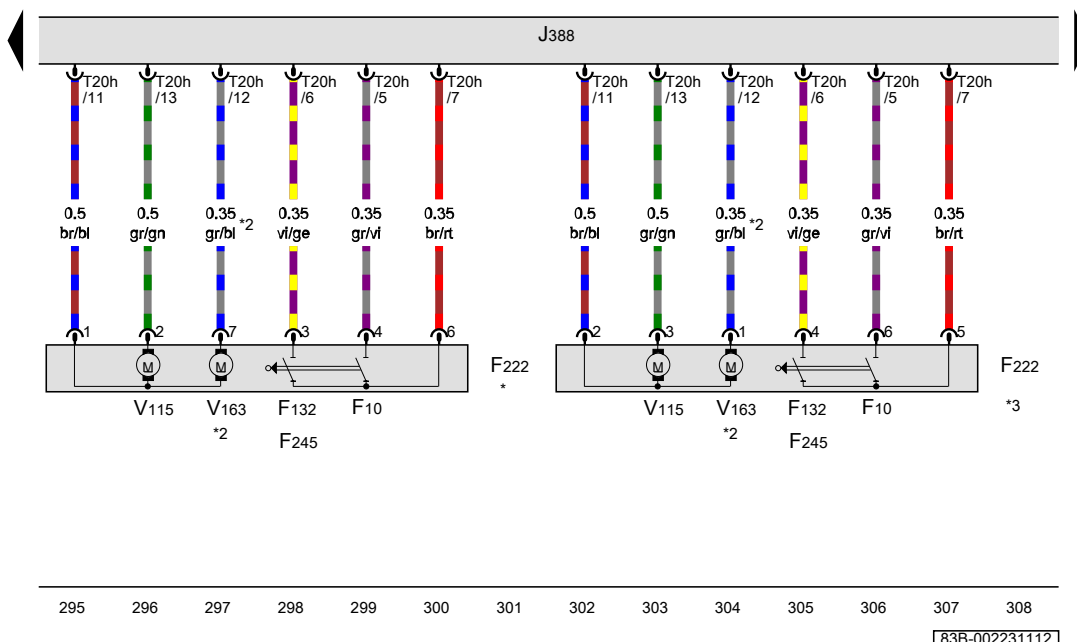
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## Left rear central locking lock unit, Left rear door control module

- F10 Left rear door contact switch
- F132 Left rear central locking system actuator
- F222 Left rear central locking lock unit
- F245 Left rear door central locking -SAFE- function actuator
- J388 Left rear door control module
- T20h 20-pin connector
- V115 Left rear central locking system motor
- V163 Left rear central locking -SAFE- motor
- \* Omitted as a running change
- \*2 Only for vehicles with SAFE function
- \*3 Running change



Left rear power window switch in left rear door, Left rear interior locking switch, Left rear door control module

- E52 Left rear power window switch in left rear door
- E273 Left rear interior locking switch
- J388 Left rear door control module
- L156 Switch illumination bulb
- T16o 16-pin connector

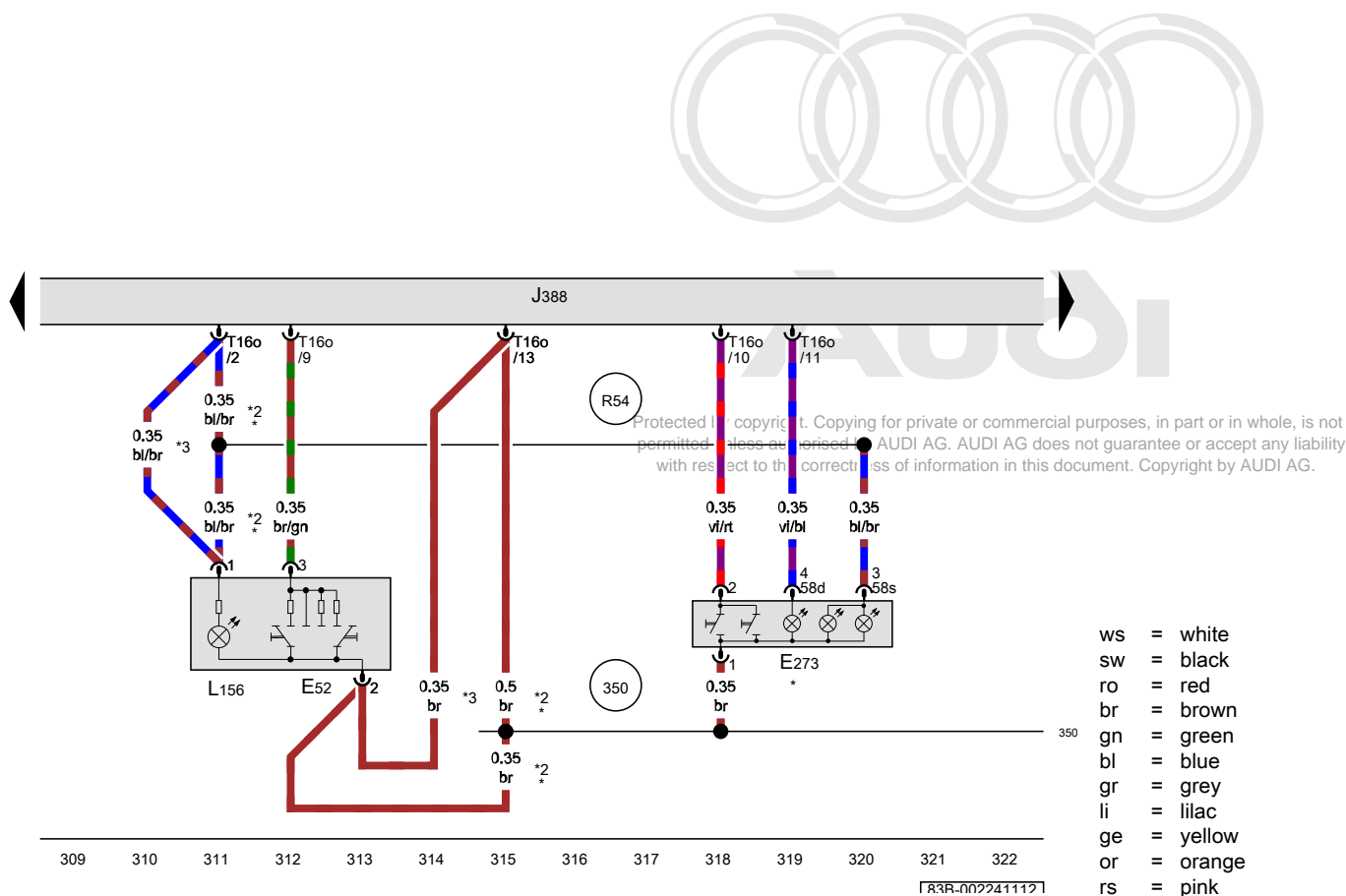
350 Ground connection 2 (in left rear door wiring harness)

R54 Connection 58s (in left rear door wiring harness)

\* Only for vehicles with US equipment

\*2 Depending on equipment

\*3 Only for vehicles without US equipment

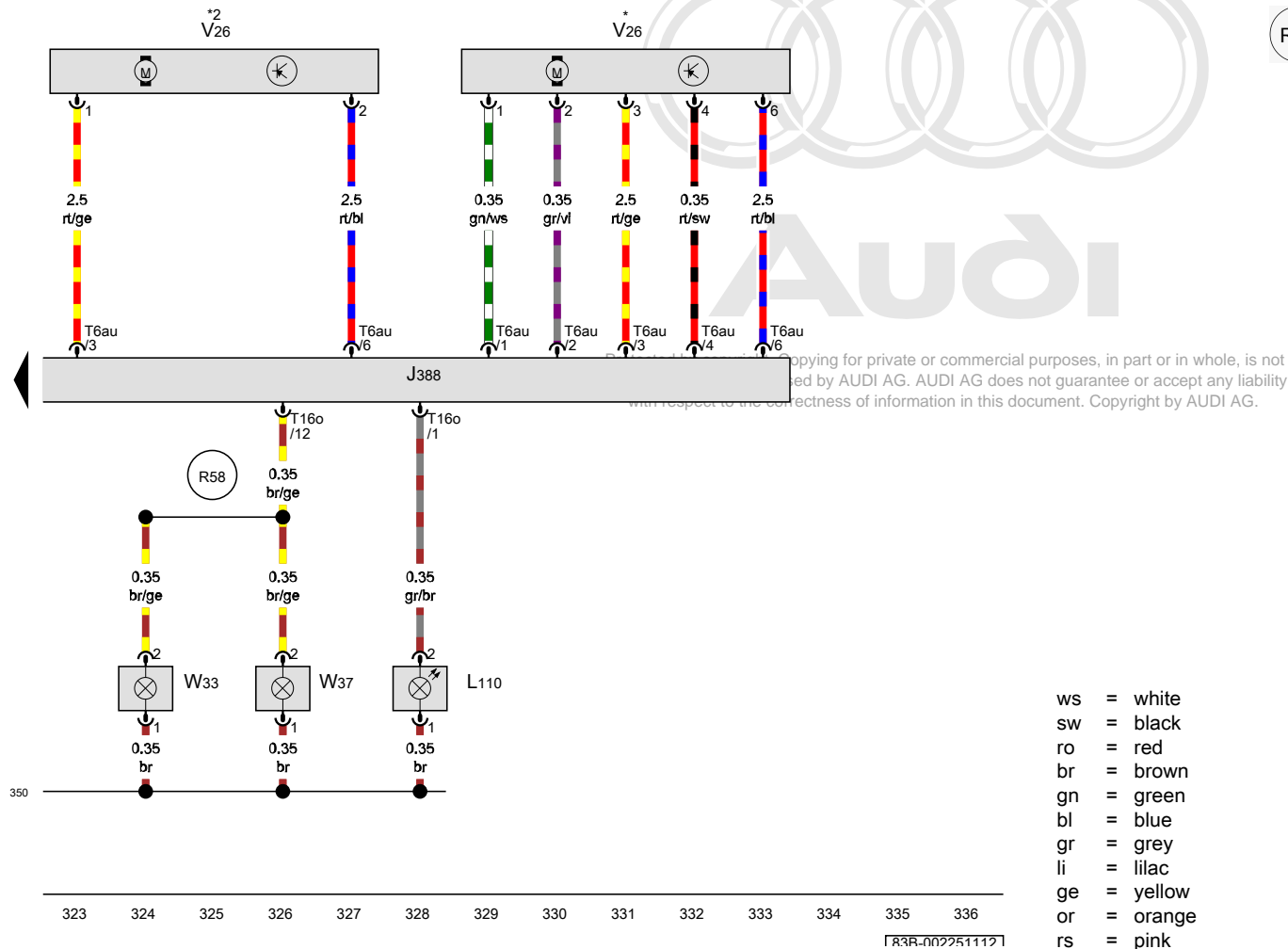


Left rear door control module, Left rear door opener illumination bulb, Left rear window regulator motor, Left rear entry lamp, Left rear door warning lamp

- J388 Left rear door control module
- L110 Left rear door opener illumination bulb
- T6au 6-pin connector
- T16o 16-pin connector
- V26 Left rear window regulator motor
- W33 Left rear entry lamp
- W37 Left rear door warning lamp

- (350) Ground connection 2 (in left rear door wiring harness)
- (R58) Entry lamp connection (in left rear door wiring harness)

- \* Omitted as a running change
- \*2 Running change

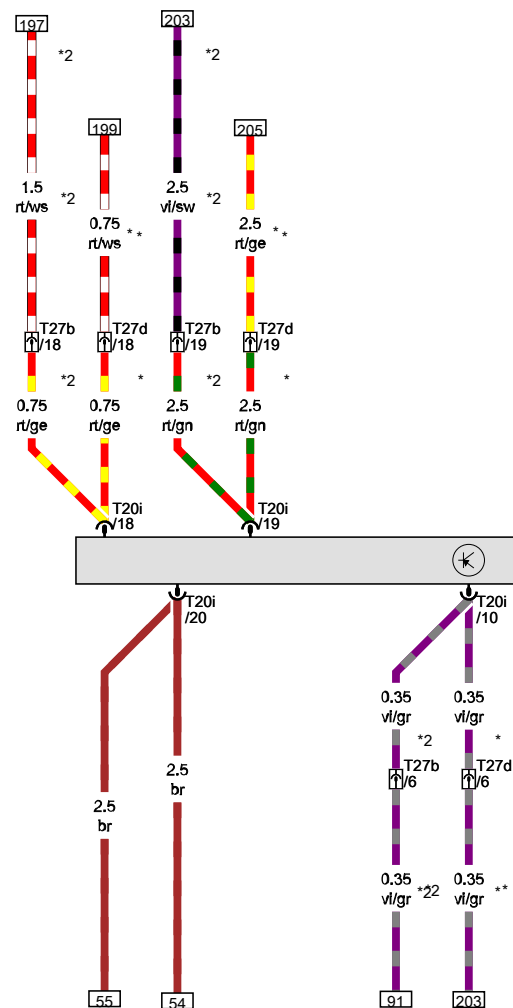


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# Right rear door control module

- J389 Right rear door control module
- T20i 20-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- \* Only for left-hand drive vehicles
- \*2 Only for right-hand drive vehicles



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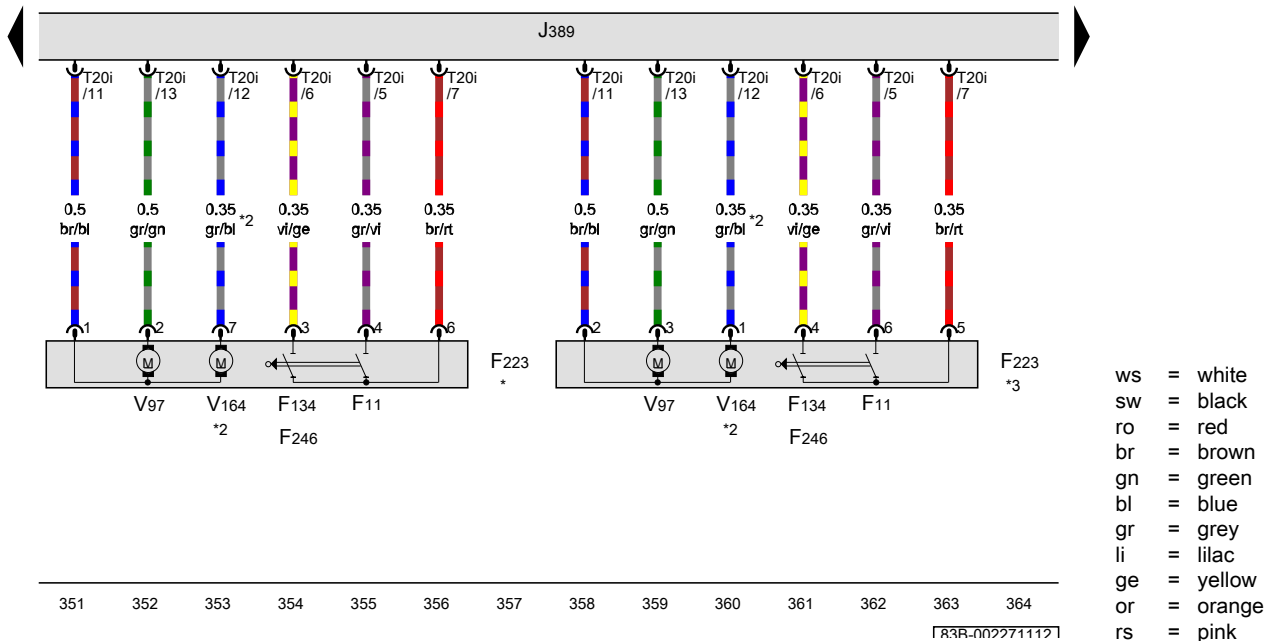
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## Right rear central locking lock unit, Right rear door control module

- F11 Right rear door contact switch
- F134 Right rear central locking system actuator
- F223 Right rear central locking lock unit
- F246 Right rear door central locking -SAFE- function actuator
- J389 Right rear door control module
- T20i 20-pin connector
- V97 Right rear door central locking system motor
- V164 Right rear central locking -SAFE- motor
- \* Omitted as a running change
- \*2 Only for vehicles with SAFE function
- \*3 Running change



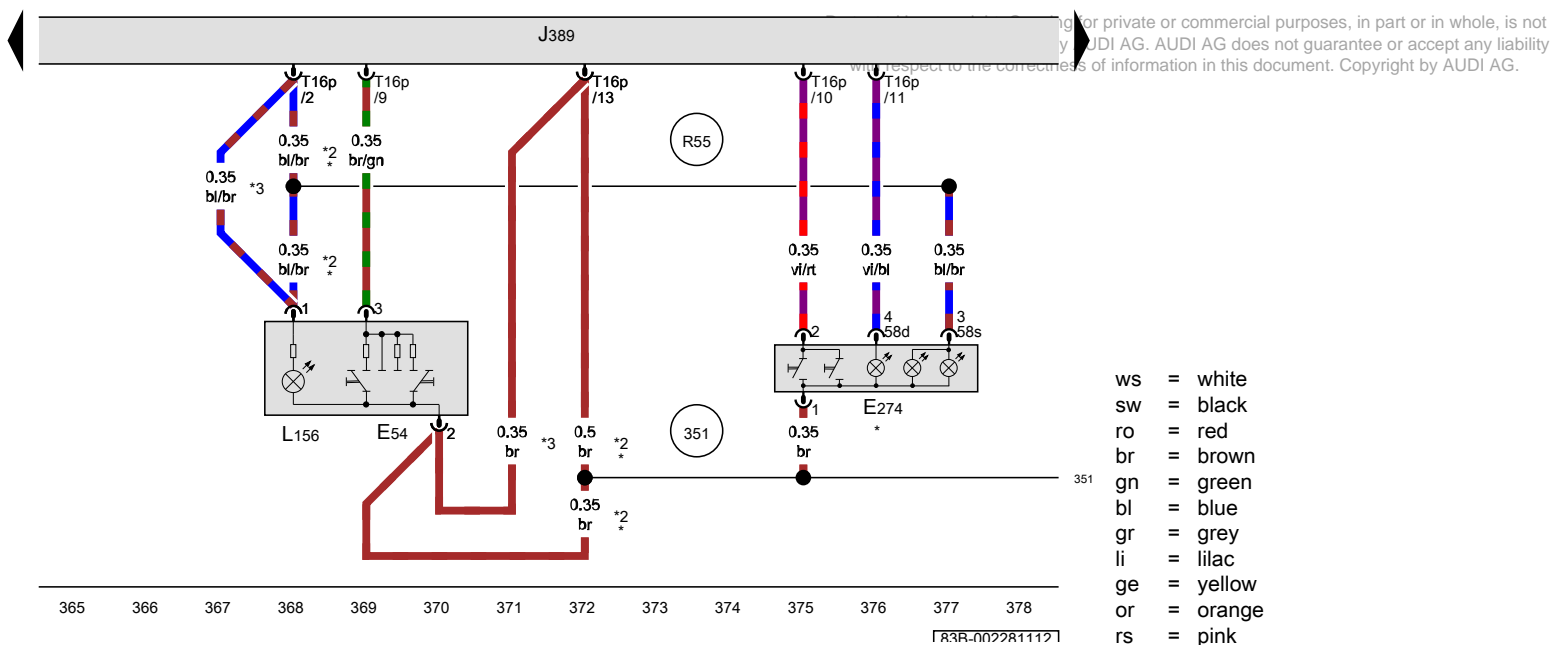
Right rear window switch in right rear door, Right rear interior locking switch, Right rear door control module

- E54 Right rear window switch in right rear door
- E274 Right rear interior locking switch
- J389 Right rear door control module
- L156 Switch illumination bulb
- T16p 16-pin connector

351 Ground connection 2 (in right rear door wiring harness)

R55 Connection 58s (in right rear door wiring harness)

- \* Only for vehicles with US equipment
- \*2 Depending on equipment
- \*3 Only for vehicles without US equipment

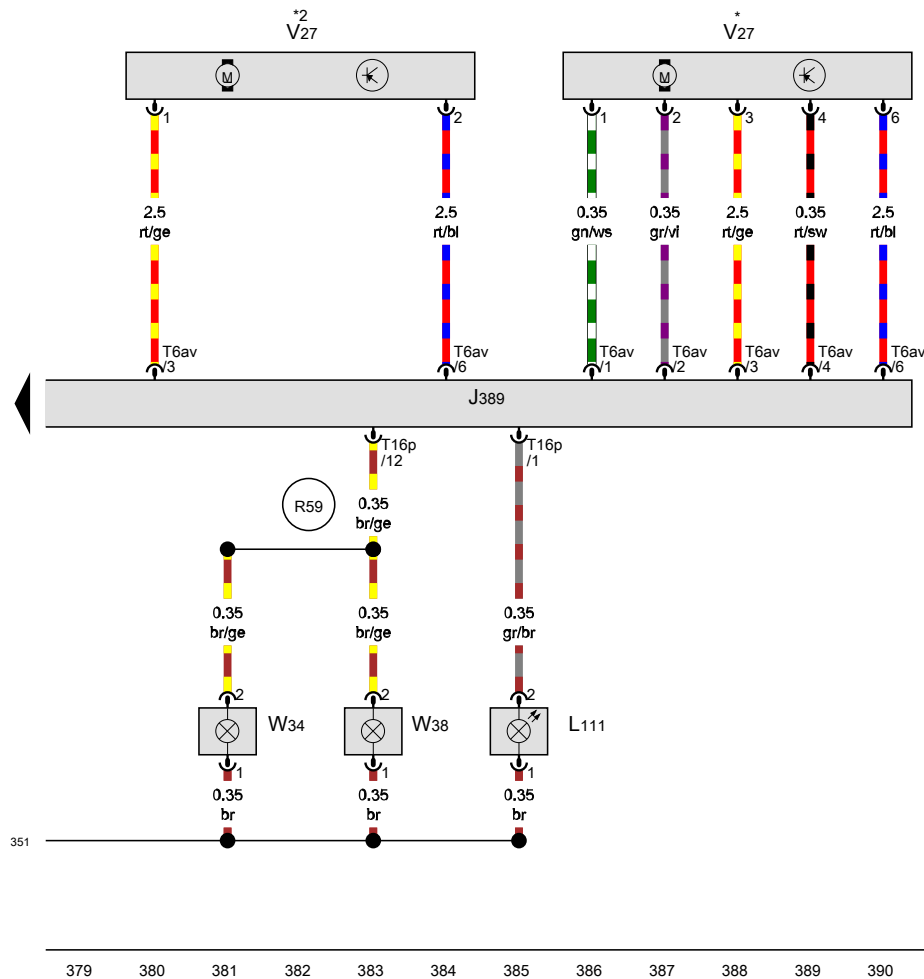


183B-002281112

Right rear door control module, Right rear door opener illumination bulb, Right rear window regulator motor, Right rear entry lamp, Right rear door warning lamp

- J389 Right rear door control module
- L111 Right rear door opener illumination bulb
- T6av 6-pin connector
- T16p 16-pin connector
- V27 Right rear window regulator motor
- W34 Right rear entry lamp
- W38 Right rear door warning lamp

- (351) Ground connection 2 (in right rear door wiring harness)
- (R59) Entry lamp connection (in right rear door wiring harness)
- \* Omitted as a running change
- \*2 Running change



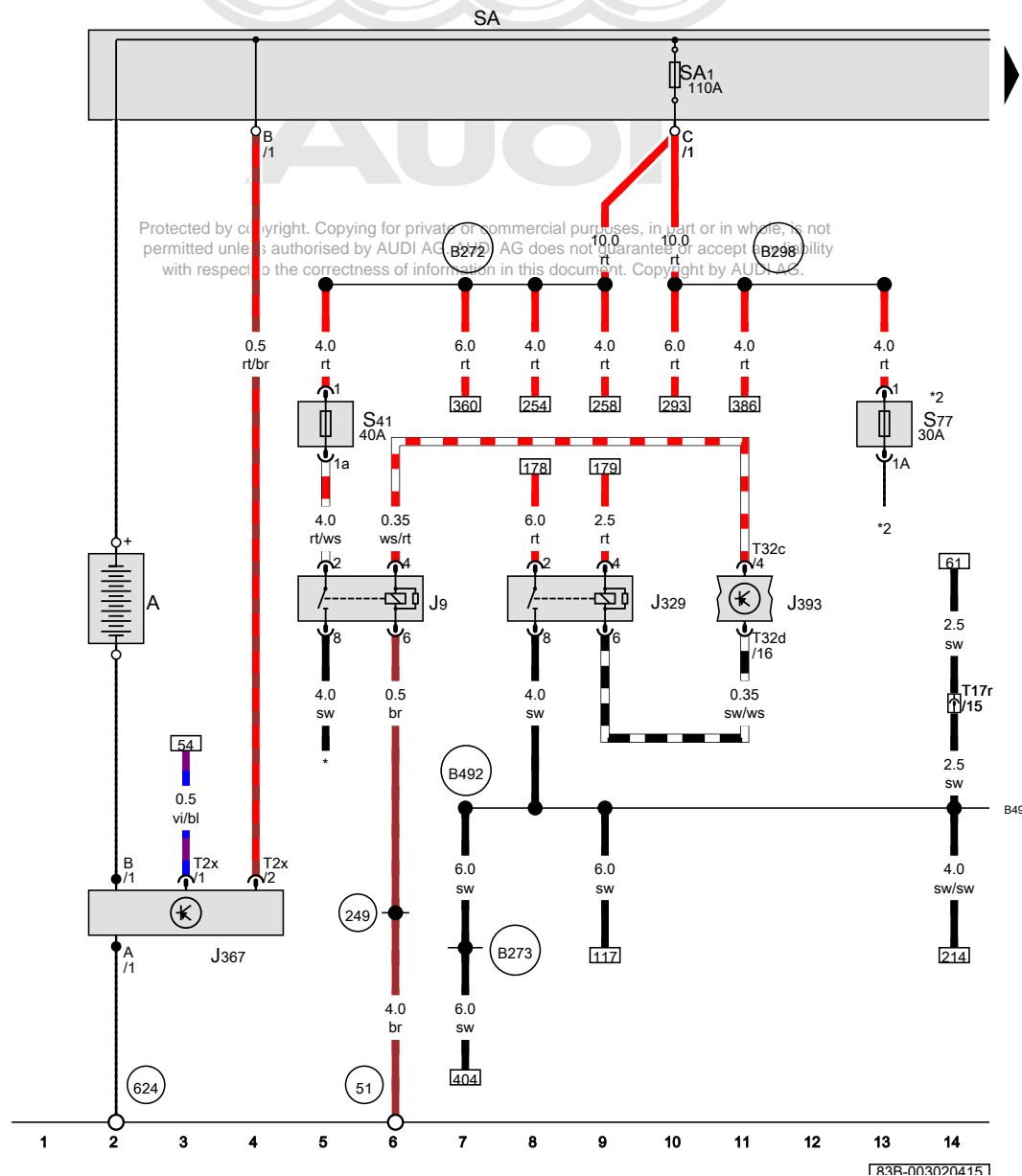
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**Fuse positions**  
from September 2008



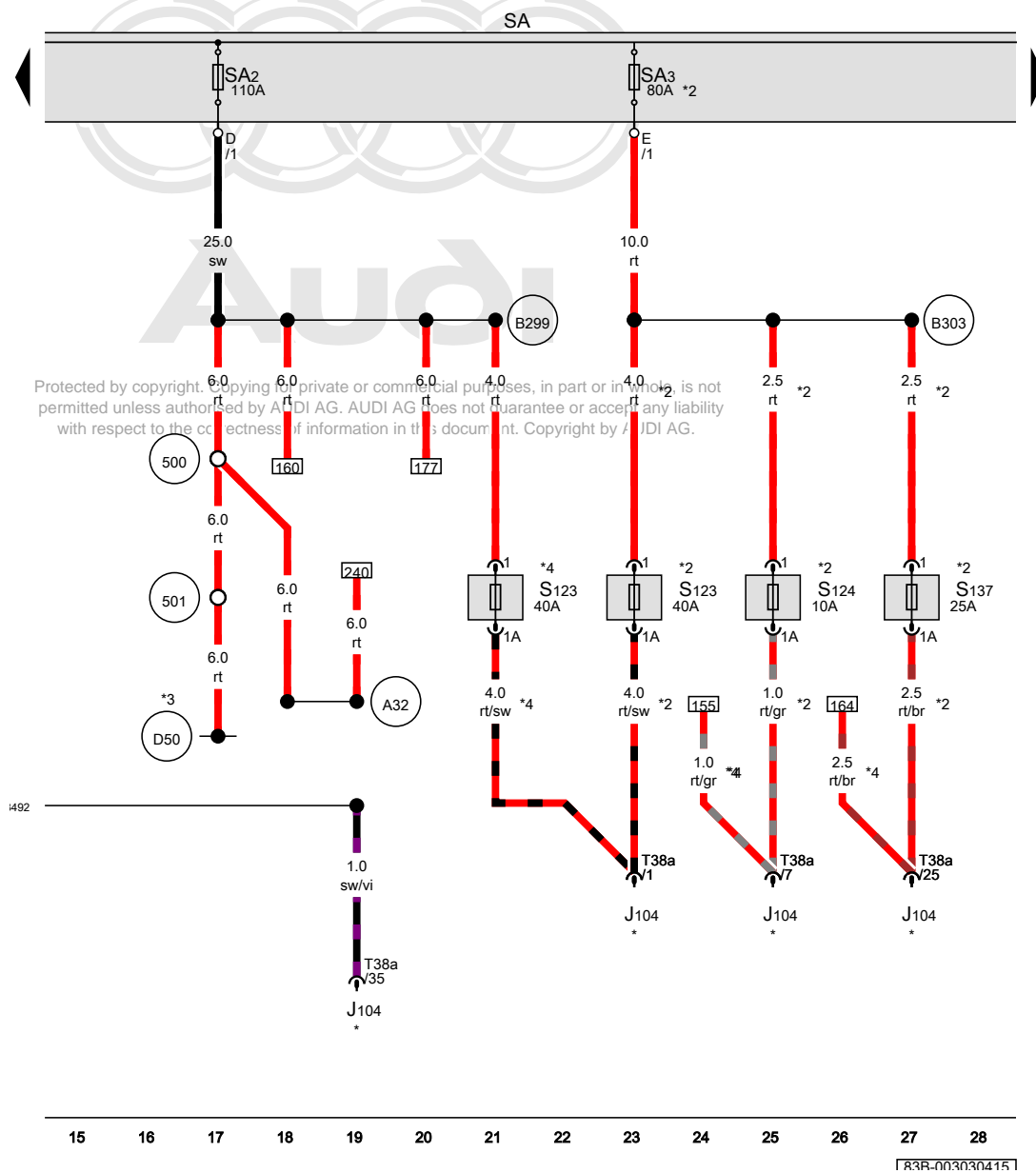
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# Battery, Battery monitoring control module, Fuse 1 (on fuse panel A)

- A Battery
- J9 Rear window defogger relay
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA Fuse panel A
- SA1 Fuse 1 (on fuse panel A)
- S41 Rear window defogger fuse
- S77 Trailer fuse (terminal 30), B+
- T2x Double connector
- T17r 17-pin connector, white
- T32c 32-pin connector
- T32d 32-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 624 Ground connection near starter battery
- B272 Positive connection (30) (in main wiring harness)
- B273 Positive connection (15) (in main wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to applicable wiring diagram for trailer prewiring

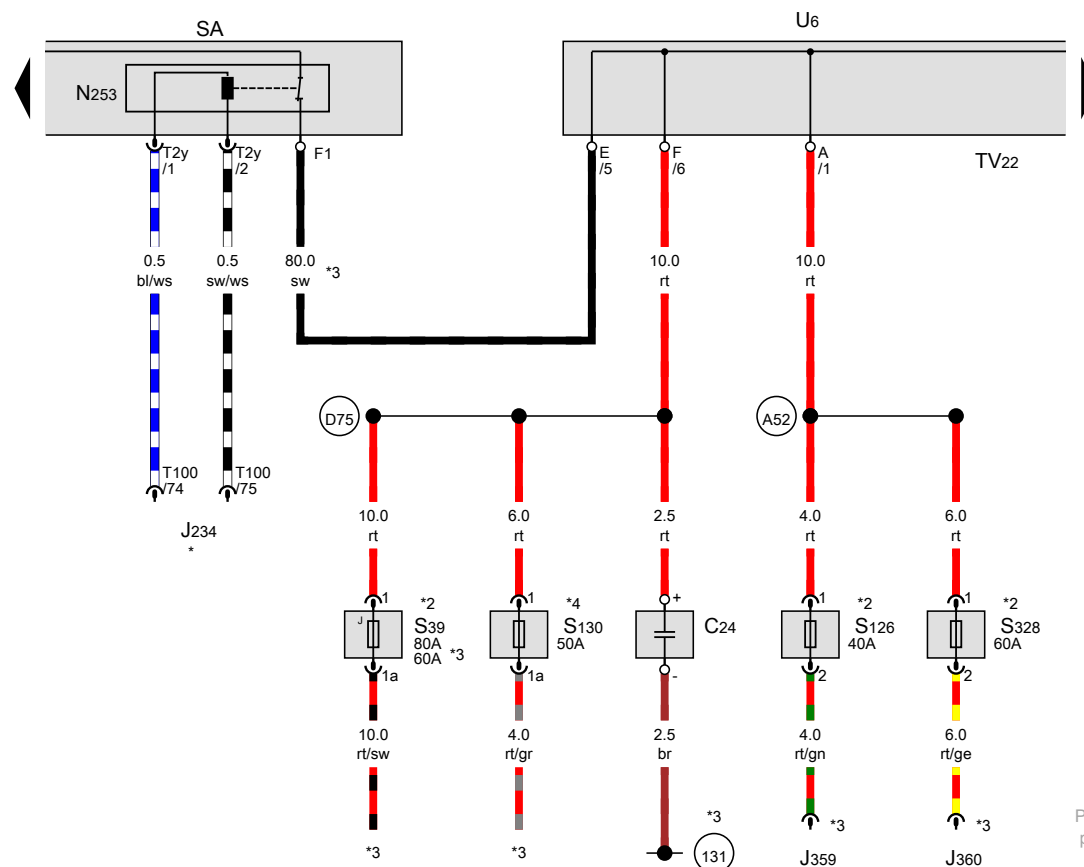


### Fuse 2 (on fuse panel A), Fuse 3 (on fuse panel A)

- J104 ABS control module
- S123 ABS control module fuse 1
- S124 ABS control module fuse 2
- S137 ABS control module fuse 3
- SA Fuse panel A
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- T38a 38-pin connector

- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B303 Positive connection 7 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for ABS
- \*2 Only for right-hand drive vehicles
- \*3 Refer to applicable wiring diagram for engine/coolant fan
- \*4 Only for left-hand drive vehicles
- \*5 Only for vehicles without Start/Stop system

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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink



Battery interrupt igniter, Terminal 30 wire junction 2, Battery jump start terminal

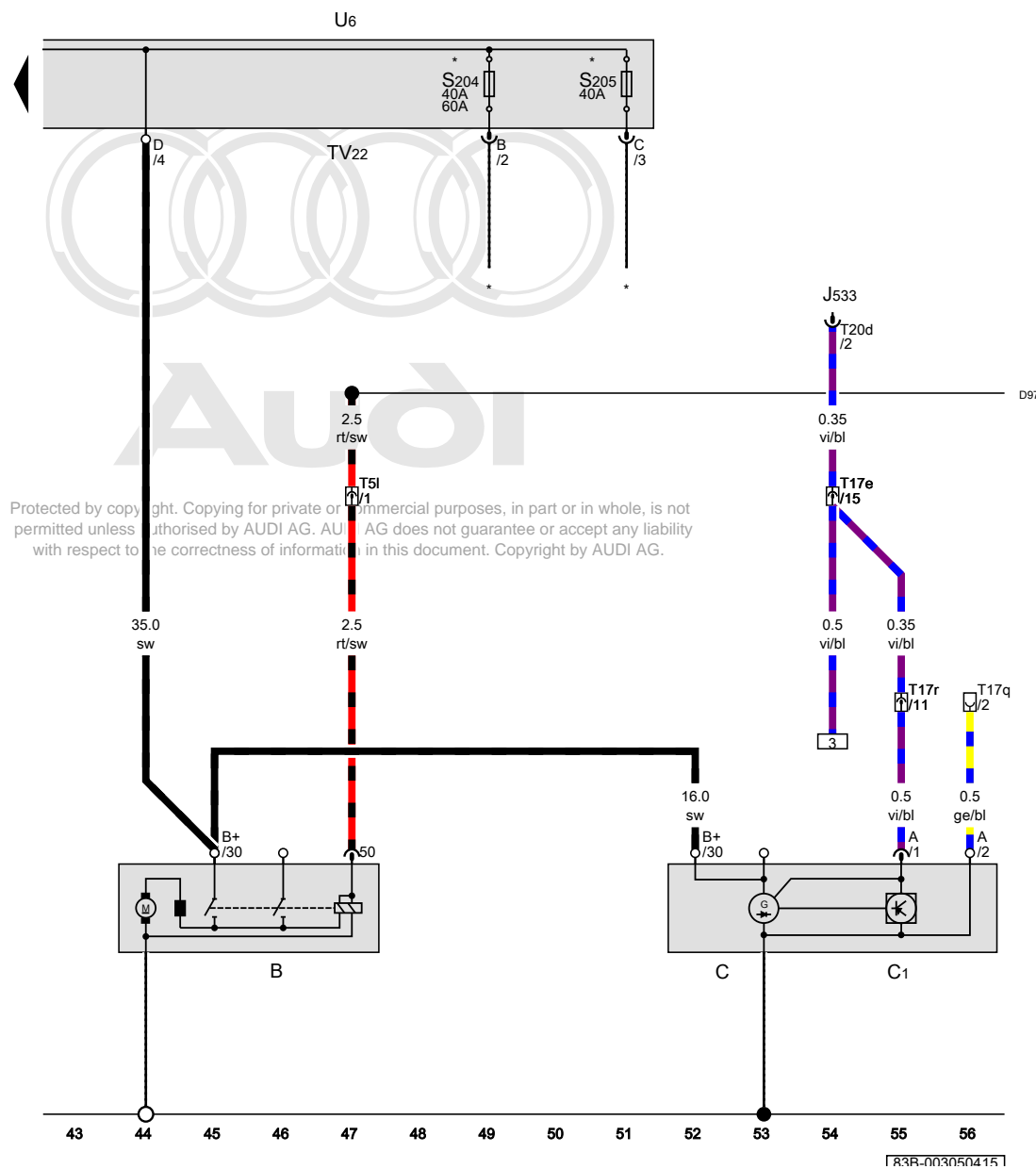
- C24 Suppressor
- J234 Airbag control module
- J359 Low heat output relay
- J360 High heat output relay
- N253 Battery interrupt igniter
- S39 Engine glow plug fuse strip
- S126 Auxiliary heater fuse
- S130 Secondary air injection pump fuse
- S328 Auxiliary heater fuse 2
- SA Fuse panel A
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- U6 Battery jump start terminal

- 131 Ground connection 2 (in engine compartment wiring harness)
- A52 Positive connection 2 (30) (in instrument panel wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable airbag wiring diagram
- \*2 Only for vehicles with a diesel engine
- \*3 Refer to applicable engine wiring diagram
- \*4 Only for vehicles with gasoline engine

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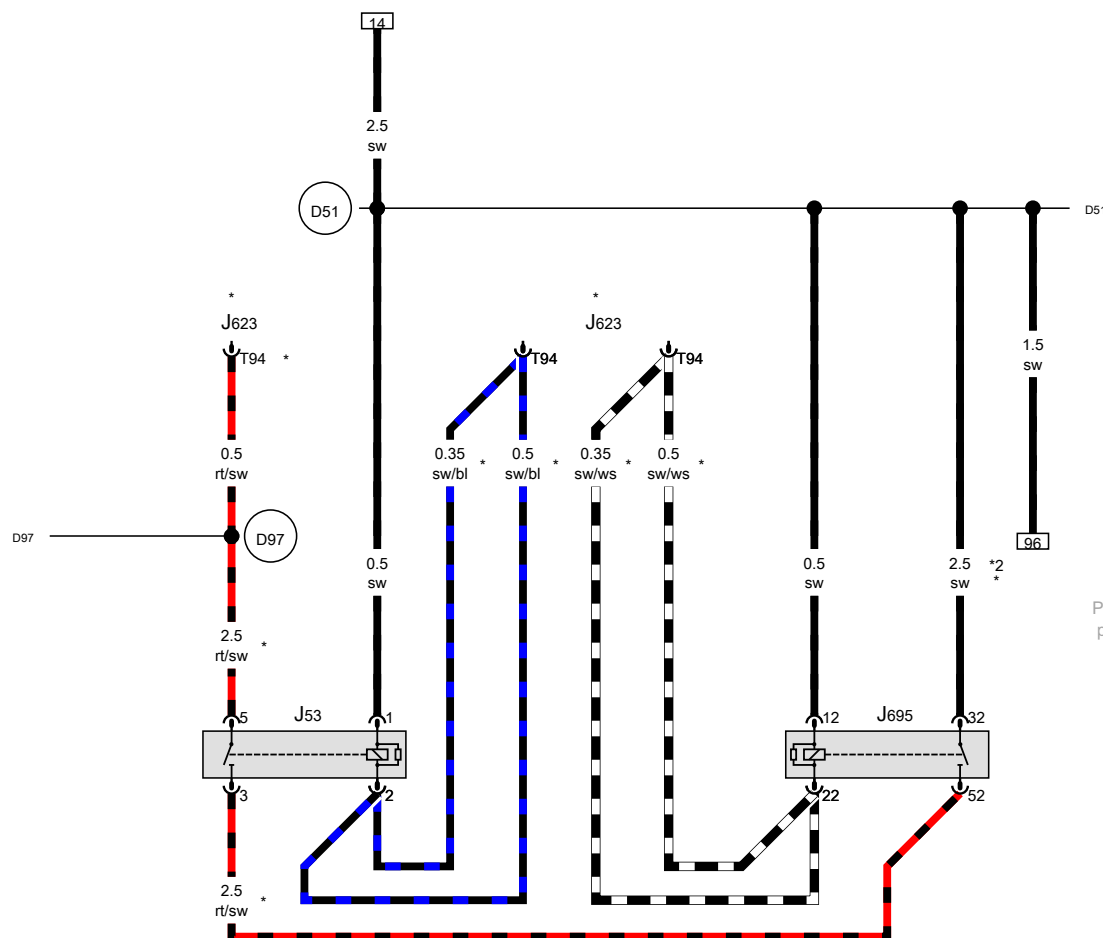




# Starter, Generator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- J533 Data bus on board diagnostic interface
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- T5l 5-pin connector, in the engine compartment
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20d 20-pin connector
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable coolant fan wiring diagram

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### Starter relay, Relay 2 for starter

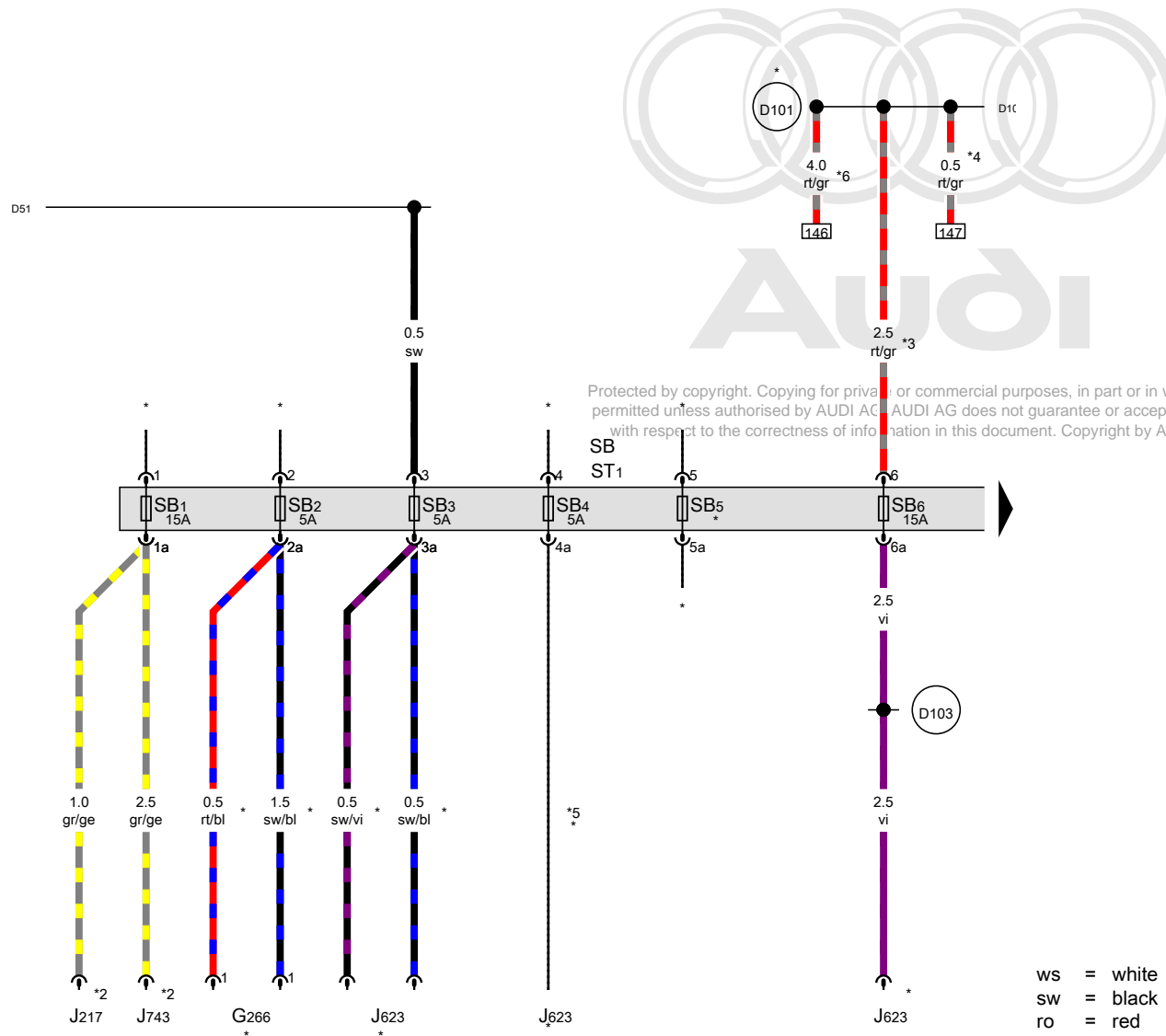
- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- T94 94-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 1.5 diameter possible

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

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**Fuse panel B, Fuse panel 1**

- |      |                              |
|------|------------------------------|
| G266 | Oil level thermal sensor     |
| J217 | Transmission control module  |
| J623 | Engine control module        |
| J743 | DSG transmission Mechatronic |
| SB   | Fuse panel B                 |
| SB1  | Fuse 1 (on fuse panel B)     |
| ST1  | Fuse panel 1                 |
| SB2  | Fuse 2 (on fuse panel B)     |
| SB3  | Fuse 3 (on fuse panel B)     |
| SB4  | Fuse 4 (on fuse panel B)     |
| SB5  | Fuse 5 (on fuse panel B)     |
| SB6  | Fuse 6 (on fuse panel B)     |

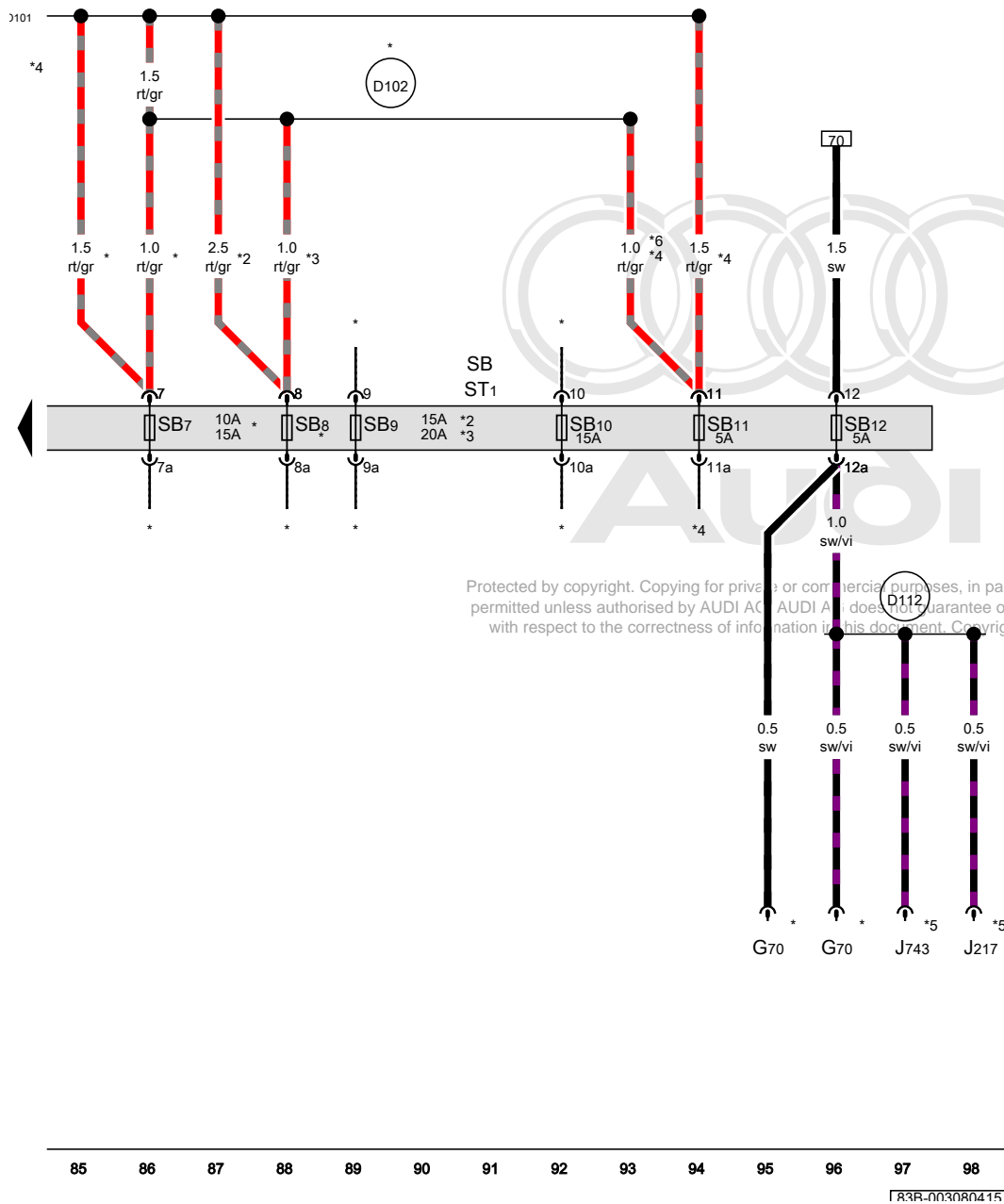
D51 Positive connection 1 (15) (in engine compartment wiring harness)

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

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

- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable transmission wiring diagram
- \*3 1.5 diameter possible
- \*4 Only for vehicles with a diesel engine
- \*5 Diameter depends on equipment
- \*6 Only for vehicles with gasoline engine

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## Fuse panel B, Fuse panel 1

- G70 Mass airflow sensor
- J217 Transmission control module
- J743 DSG transmission Mechatronic
- SB Fuse panel B
- ST1 Fuse panel 1
- 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)

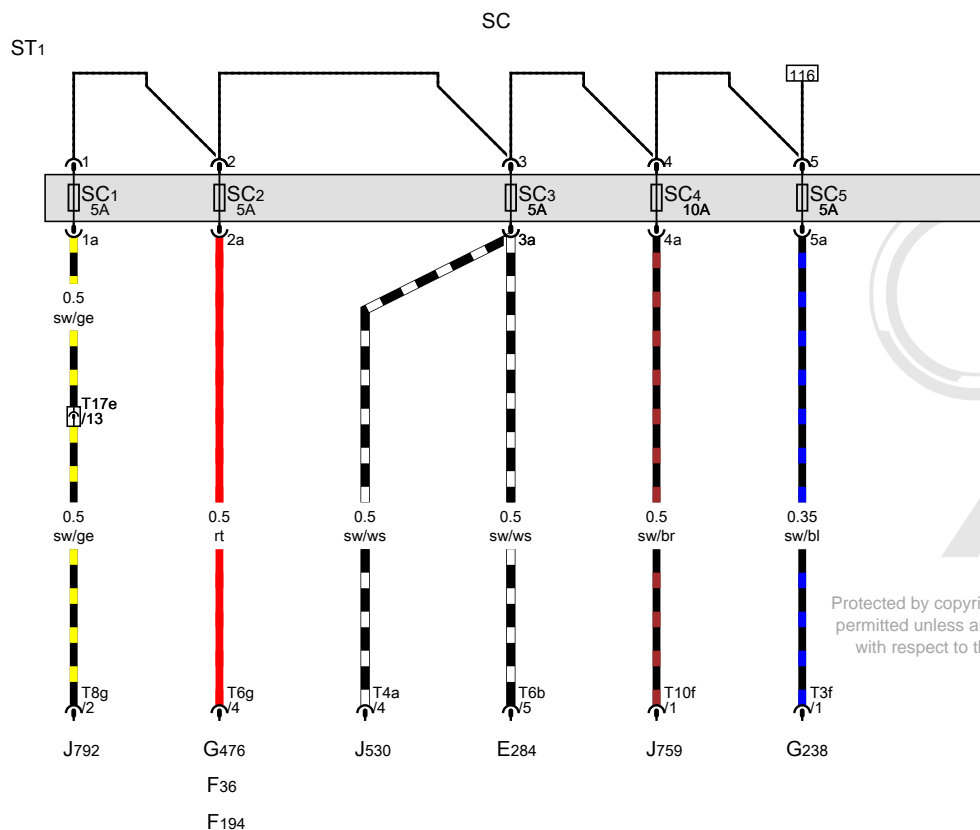
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D112 Connection 10 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Only for vehicles with gasoline engine
- \*3 Only for vehicles with a diesel engine
- \*4 Refer to applicable coolant fan wiring diagram
- \*5 Refer to applicable transmission wiring diagram
- \*6 1.5 diameter possible

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# Fuse panel C, Fuse panel 1

- E284 Garage door opener control head
- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G238 Air quality sensor
- G476 Clutch position sensor
- J530 Garage door opener control module
- J759 Directional stabilization assistance control module
- J792 Active steering control module
- SC Fuse panel C
- SC1 Fuse 1 (on fuse panel C)
- ST1 Fuse panel 1
- 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)
- T3f 3-pin connector
- T4a 4-pin connector
- T6b 6-pin connector
- T6g 6-pin connector
- T8g 8-pin connector
- T10f 10-pin connector
- T17e 17-pin connector, red

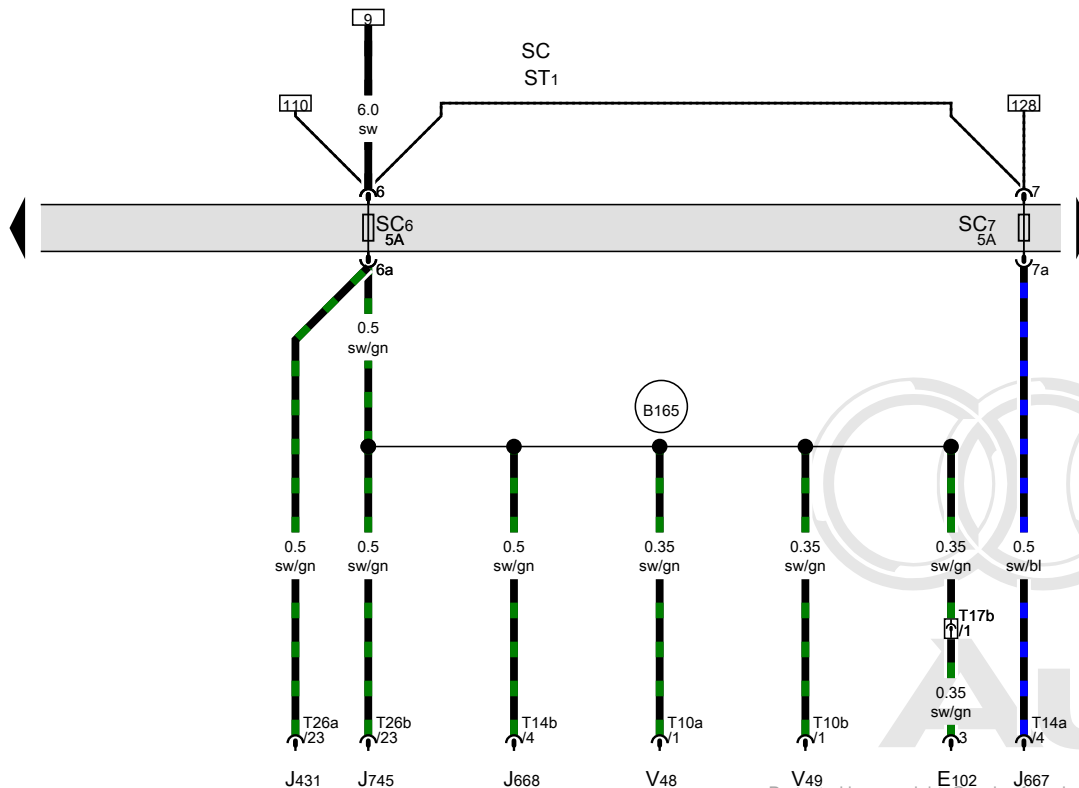


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- rs = pink

### Fuse panel C, Fuse panel 1

- E102 Headlamp range control adjuster
- J431 Headlamp range control module
- J667 Left headlamp power output stage
- J668 Right headlamp power output stage
- J745 Cornering lamp and headlamp range control module
- SC Fuse panel C
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T10a 10-pin connector
- T10b 10-pin connector
- T14a 14-pin connector
- T14b 14-pin connector
- T17b 17-pin connector, blue
- T26a 26-pin connector
- T26b 26-pin connector
- V48 Left headlamp beam adjustment motor
- V49 Right headlamp beam adjustment motor
- B165 Positive connection 2 (15) (in interior wiring harness)

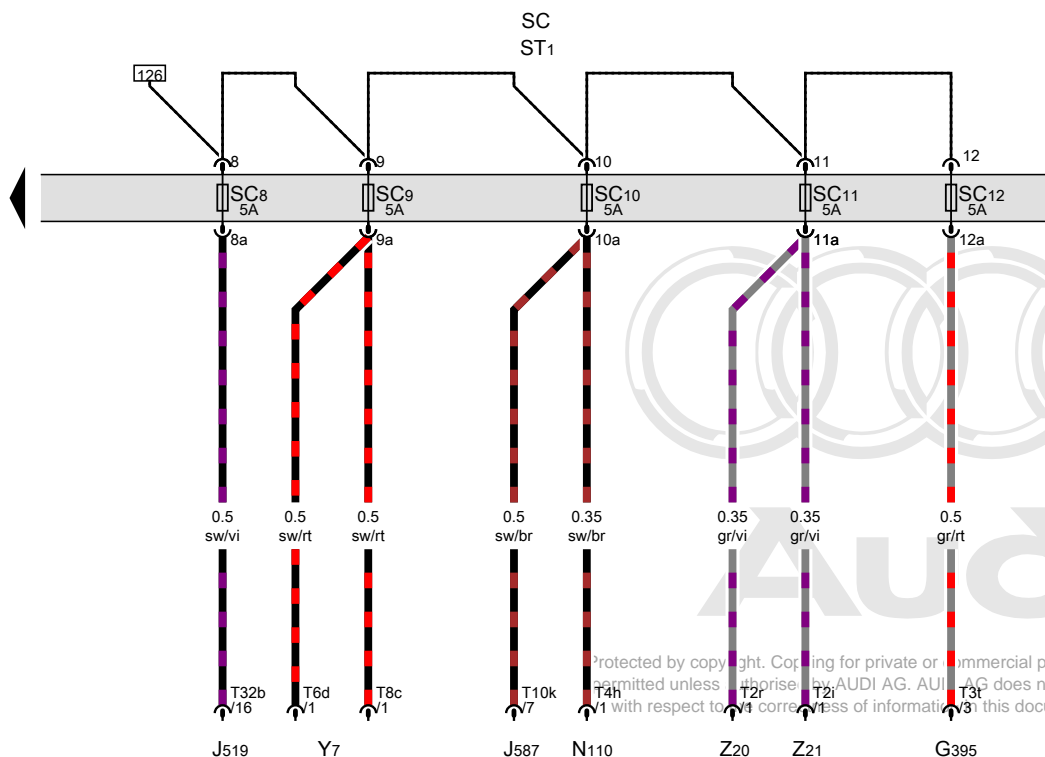


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# Fuse panel C, Fuse panel 1

- G395 A/C pressure/temperature sensor
- J519 Vehicle electrical control module system
- J587 Selector lever sensor system control module
- N110 Shift lock solenoid
- SC Fuse panel C
- ST1 Fuse panel 1
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T2i Double connector
- T2r Double connector
- T3t 3-pin connector
- T4h 4-pin connector
- T6d 6-pin connector
- T8c 8-pin connector
- T10k 10-pin connector
- T32b 32-pin connector
- Y7 Automatic dimming interior rearview mirror
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater



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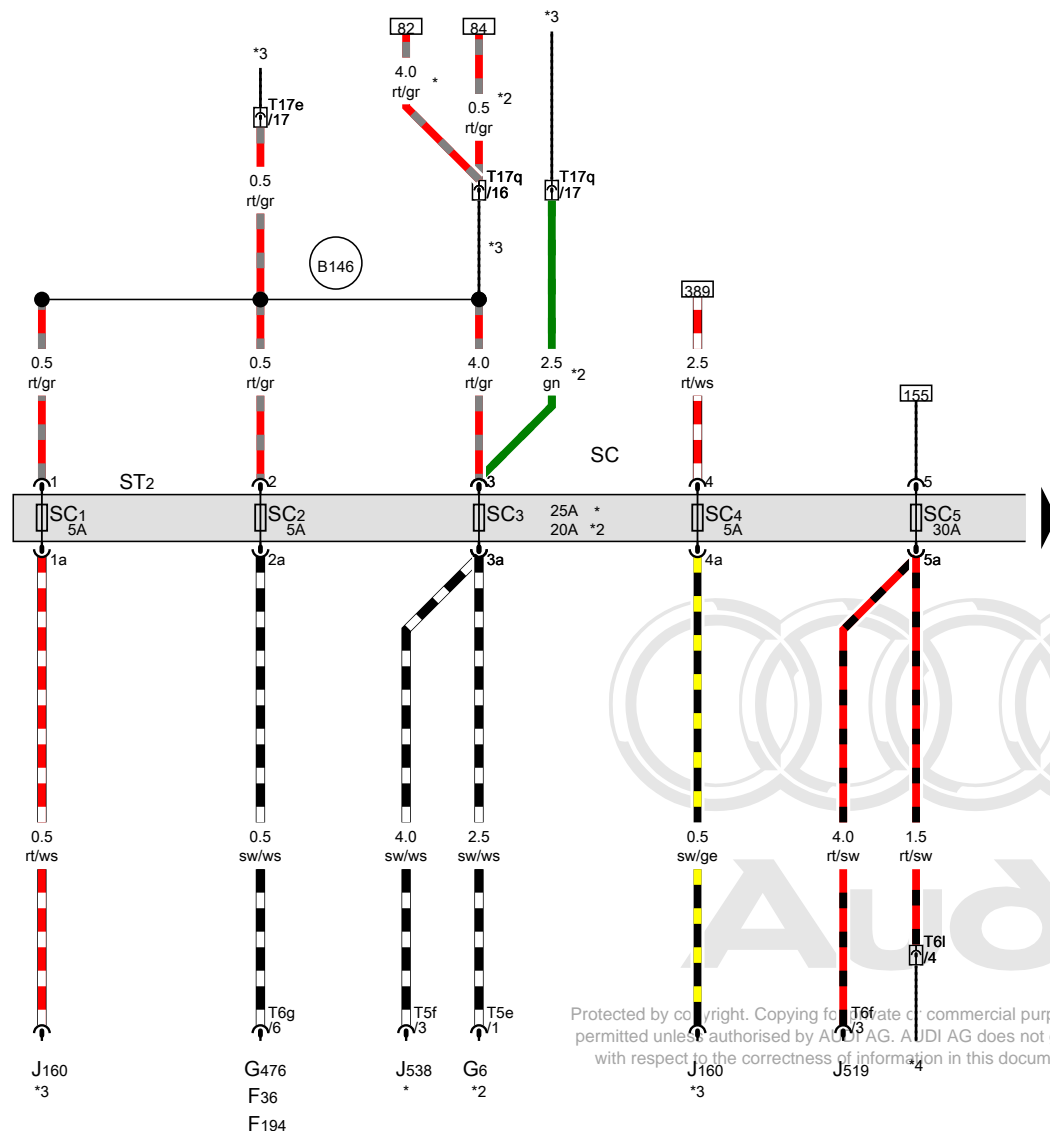
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# Fuse panel C, Fuse panel 2

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G6 Transfer fuel pump
- G476 Clutch position sensor
- J160 Recirculation pump relay
- J519 Vehicle electrical control module system
- J538 Fuel pump control module
- SC Fuse panel C
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- 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)
- T5e 5-pin connector
- T5f 5-pin connector
- T6f 6-pin connector
- T6g 6-pin connector
- T6l 6-pin connector, green
- T17e 17-pin connector, red
- T17q 17-pin connector, red

B146 Positive connection 1 (87) (in interior wiring harness)

- \* Only for vehicles with gasoline engine
- \*2 Only for vehicles with a diesel engine
- \*3 Refer to applicable engine wiring diagram
- \*4 Refer to the applicable heated seats wiring diagram



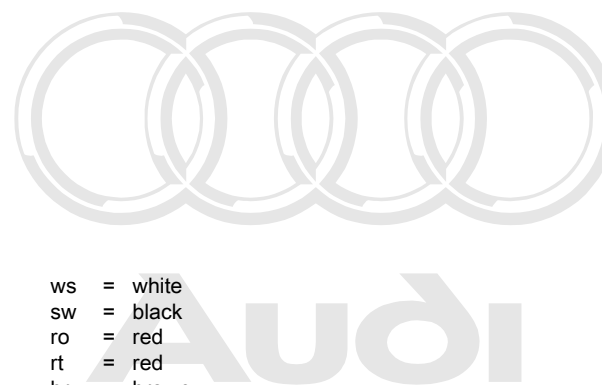
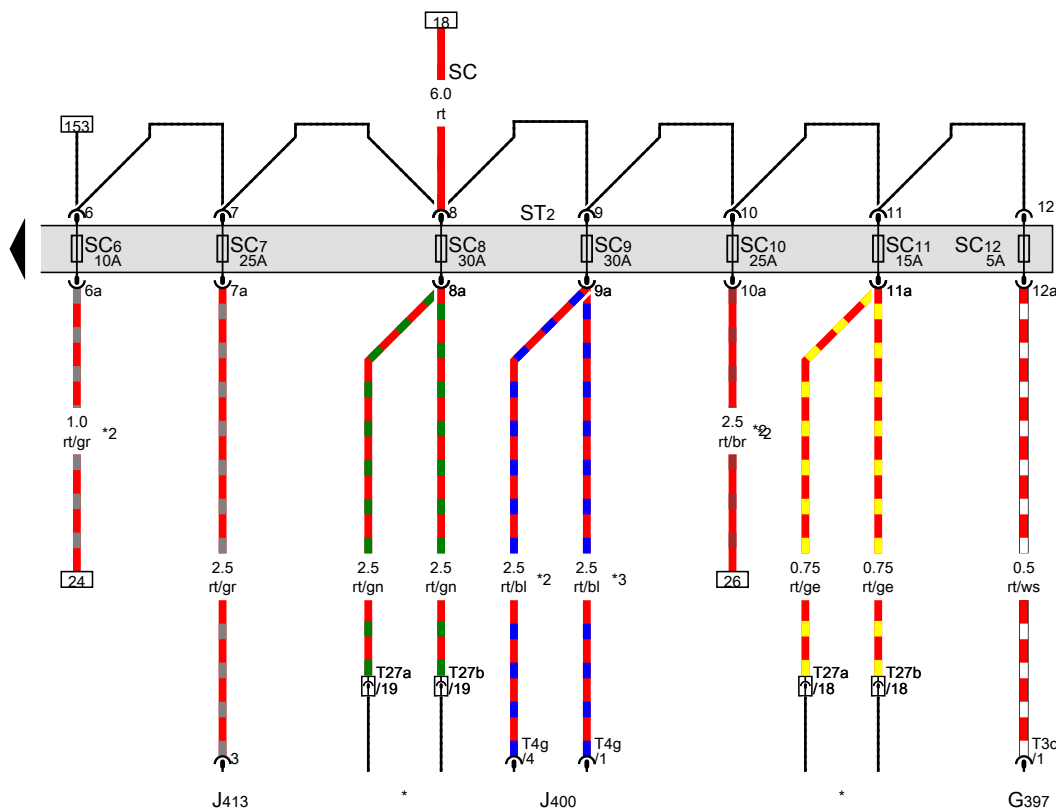
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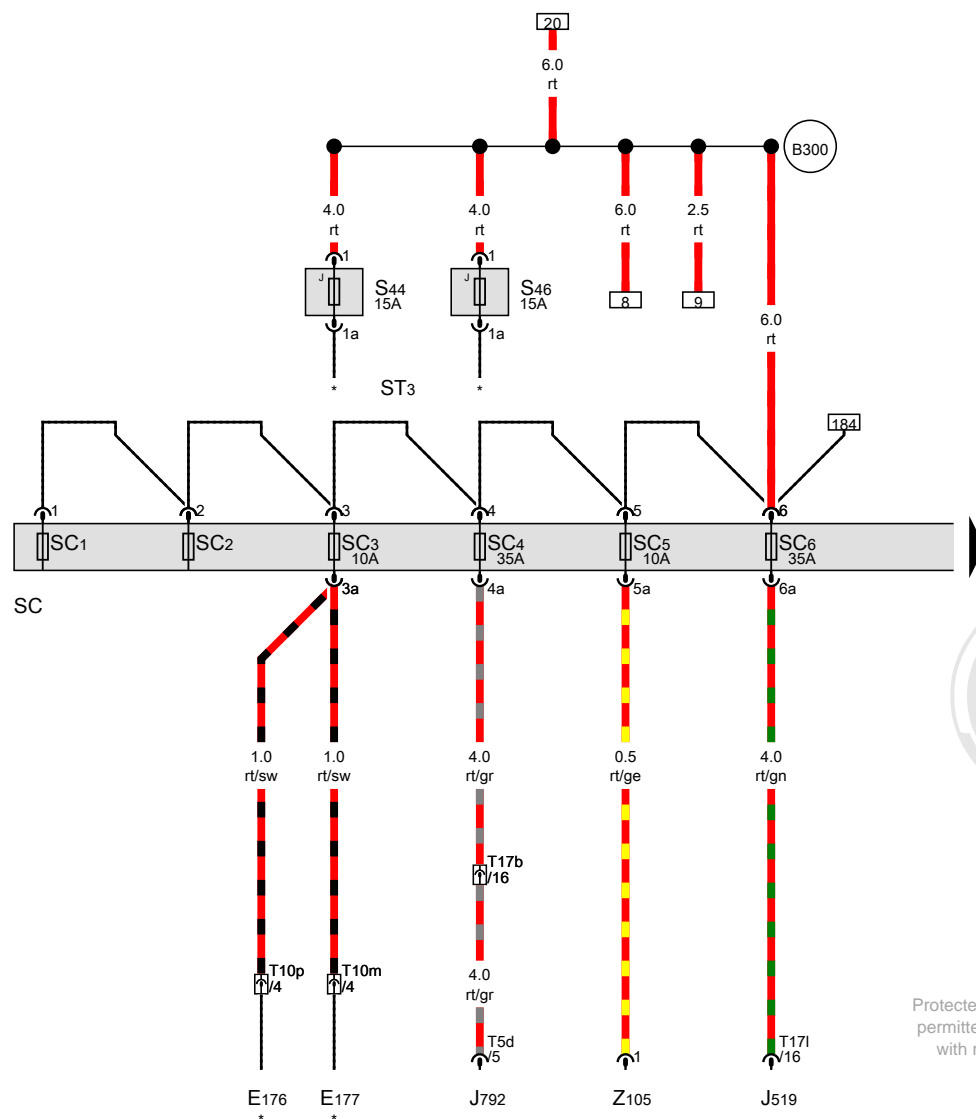
### Fuse panel C, Fuse panel 2

- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- J413 Horn relay
- SC Fuse panel C
- ST2 Fuse panel 2
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Left B-pillar, bottom
- \* Refer to applicable convenience system wiring diagram
- \*2 Only for left-hand drive vehicles
- \*3 Only for right-hand drive vehicles



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Fuse panel C, Fuse panel 3

- |      |  |
|------|--|
| E176 | Driver seat lumbar support adjustment switch                     |
| E177 | Front passenger seat lumbar support adjustment switch            |
| J519 | Vehicle electrical control module system                         |
| J792 | Active steering control module                                   |
| SC   | Fuse panel C   |
| SC1  | Fuse 1 (on fuse panel C)   |
| SC2  | Fuse 2 (on fuse panel C)   |
| ST3  | Fuse panel 3   |
| 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)   |
| S44  | Driver power seat adjustment circuit breaker 1                   |
| S46  | Front passenger power seat adjustment circuit breaker 1          |
| T5d  | 5-pin connector  |
| T10m | 10-pin connector, in the coupling point for the right front seat |
| T10p | 10-pin connector, in the coupling point for the left front seat  |
| T17b | 17-pin connector, blue   |
| T17l | 17-pin connector   |
| Z105 | Cupholder with heating and cooling element                       |

(B300) Positive connection 4 (30) (in main wiring harness)

\* Refer to applicable seat adjustment wiring diagram

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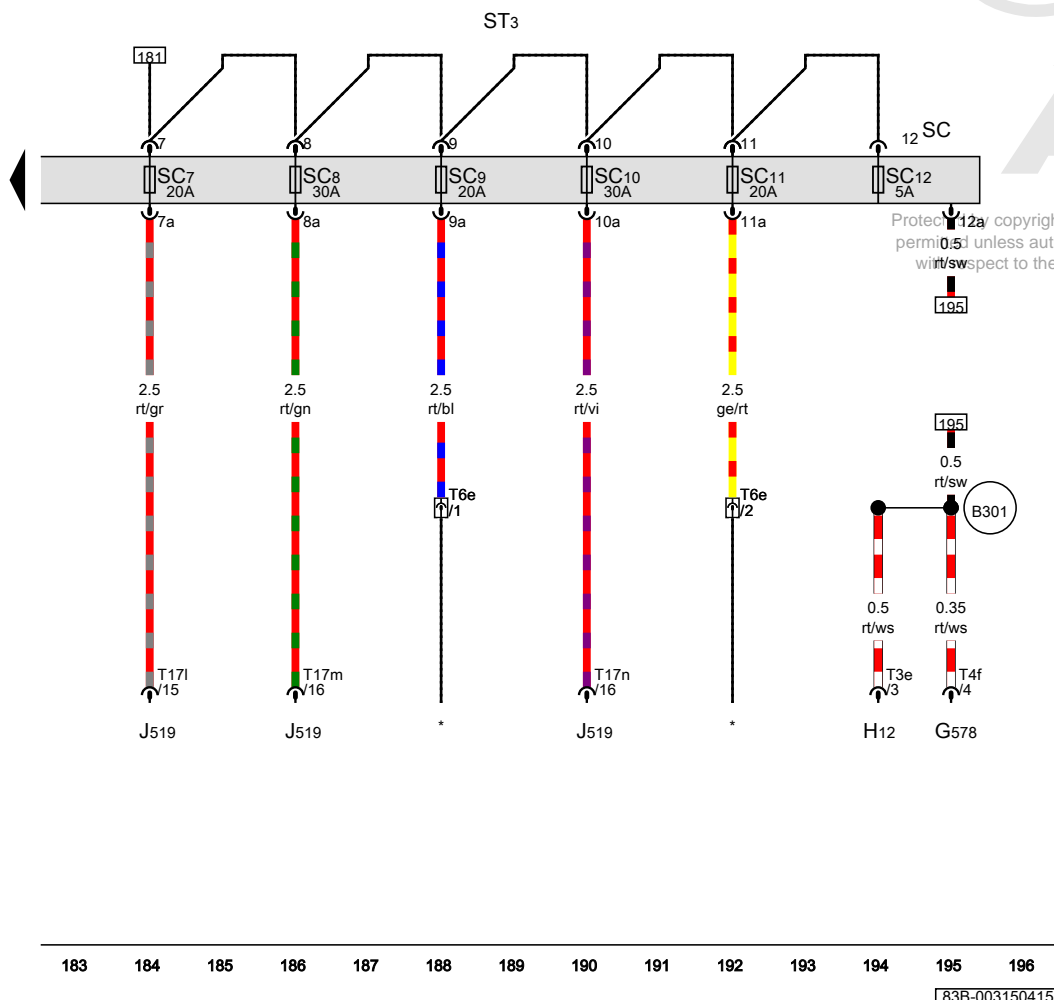
### Fuse panel C, Fuse panel 3

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J519 Vehicle electrical control module system
- SC Fuse panel C
- ST3 Fuse panel 3
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3e 3-pin connector
- T4f 4-pin connector
- T6e 6-pin connector, near the front interior lamp
- T17l 17-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

(B301) Positive connection 5 (30) (in main wiring harness)

\* Only for vehicles with panorama sunroof

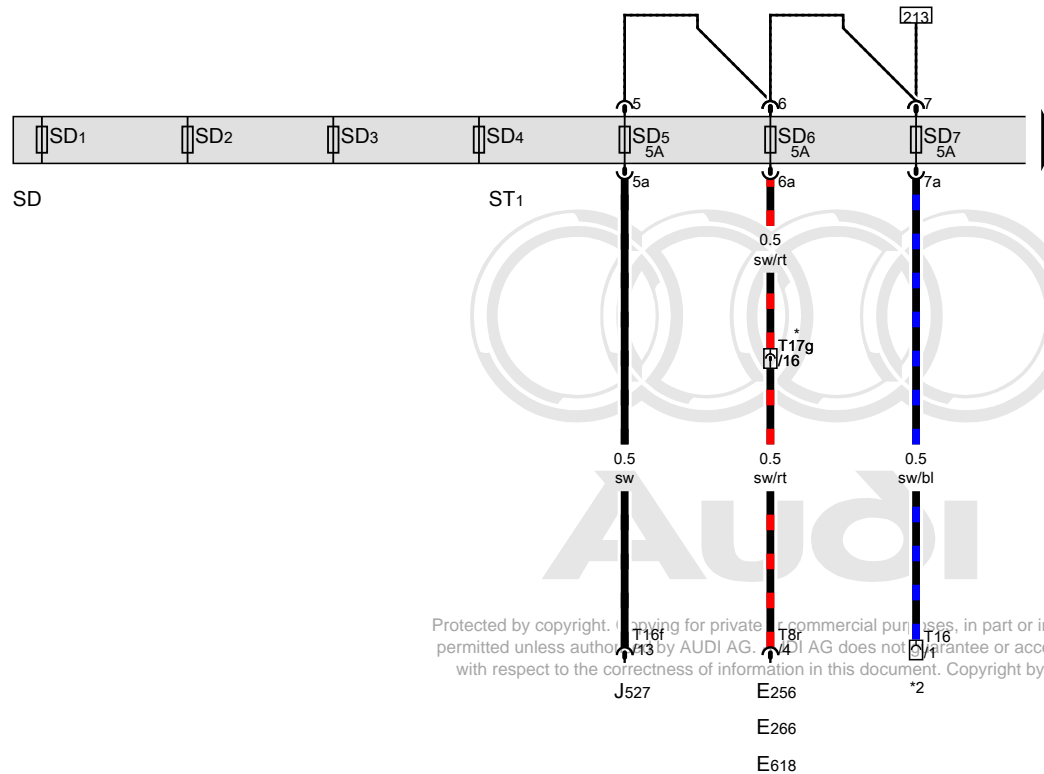
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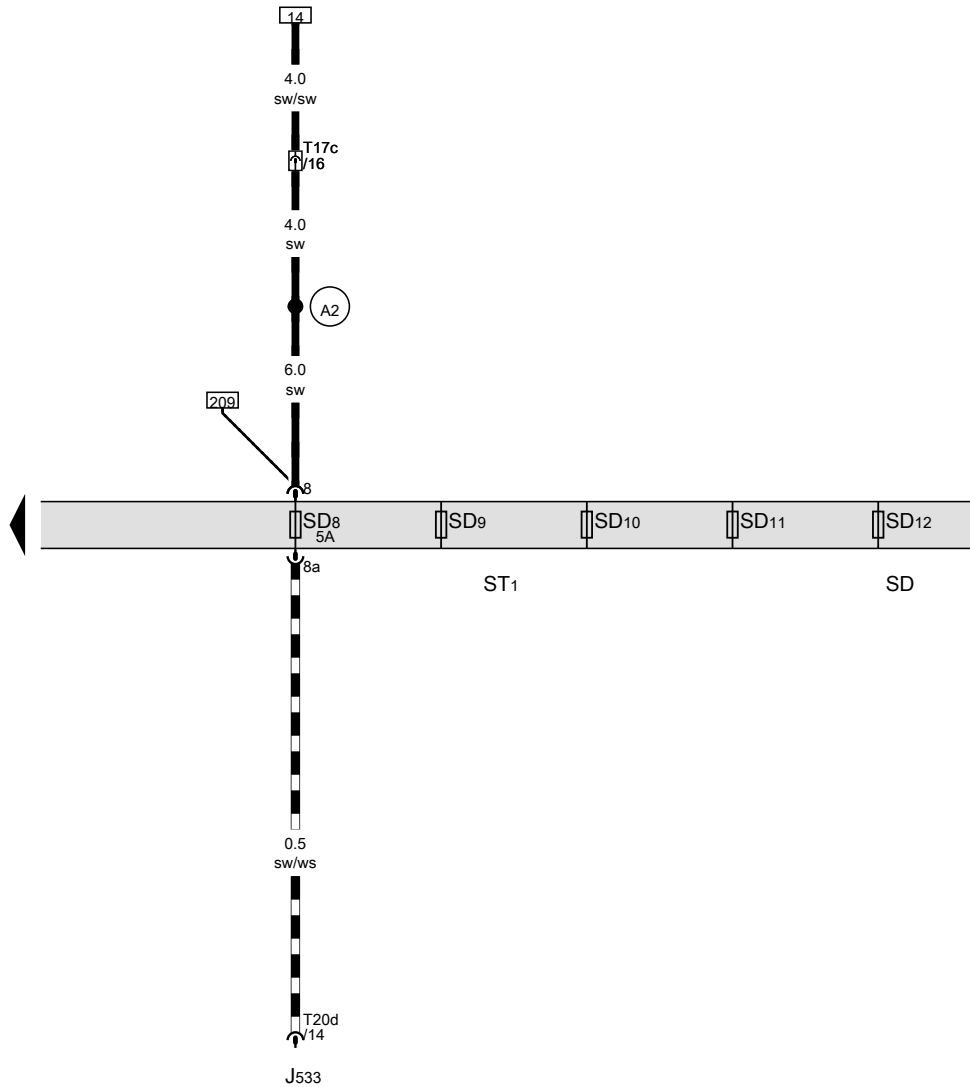
# Fuse panel D, Fuse panel 1

- E256 ASR/ESP button
- E266 Parking aid button
- E618 Hill descent control button
- J527 Steering column electronics control module
- SD Fuse panel D
- ST1 Fuse panel 1
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- T8r 8-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T17g 17-pin connector, black
- \* Only for vehicles without a navigation system
- \*2 Diagnostic connector



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

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### Fuse panel D, Fuse panel 1

- J533 Data bus on board diagnostic interface
- SD Fuse panel D
- ST1 Fuse panel 1
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T17c 17-pin connector, in the left A-pillar connector station
- T20d 20-pin connector
- A2 Positive connection (15) (in instrument panel wiring harness)



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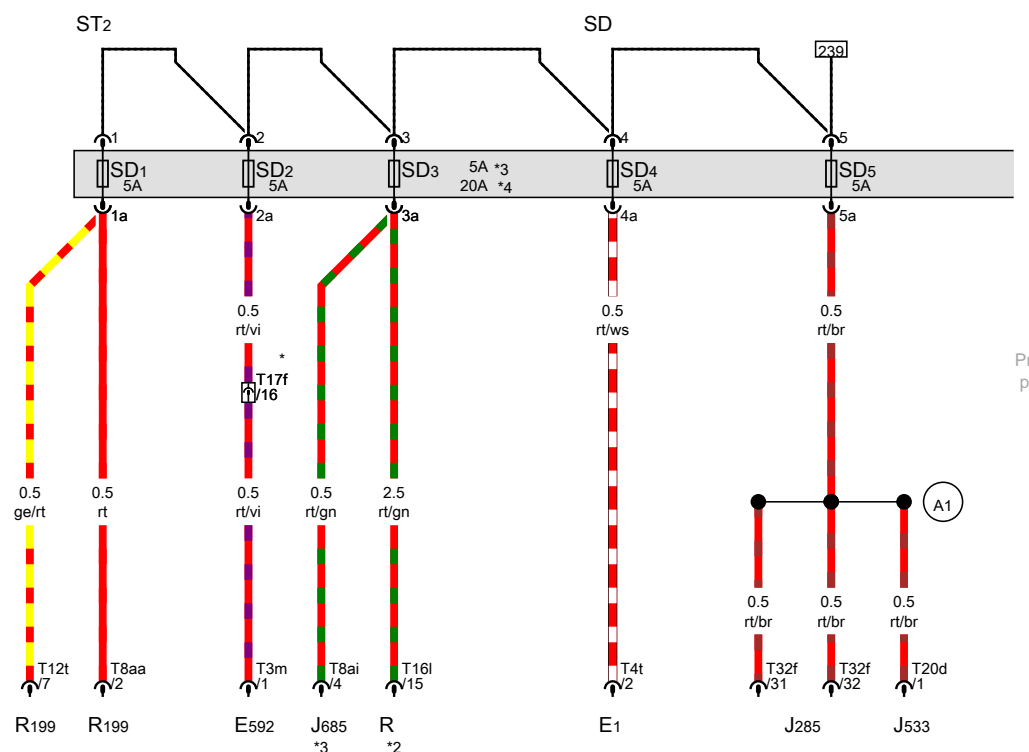
# Fuse panel D, Fuse panel 2

- E1 Light switch
- E592 Driving profile selection switch module
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- J685 Front information display control head
- R Radio, black
- R199 External audio source connection
- SD Fuse panel D
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T3m 3-pin connector
- T4t 4-pin connector
- T8aa 8-pin connector
- T8ai 8-pin connector
- T12t 12-pin connector
- T16l 16-pin connector
- T17f 17-pin connector, brown
- T20d 20-pin connector
- T32f 32-pin connector

A1 Positive connection (30a) (in instrument panel wiring harness)

- \* Only for vehicles without a navigation system
- \*2 Refer to applicable radio navigation system wiring diagram
- \*3 Refer to applicable MMI (information electronics) wiring diagram
- \*4 Refer to applicable wiring diagram for radio/radio navigation system

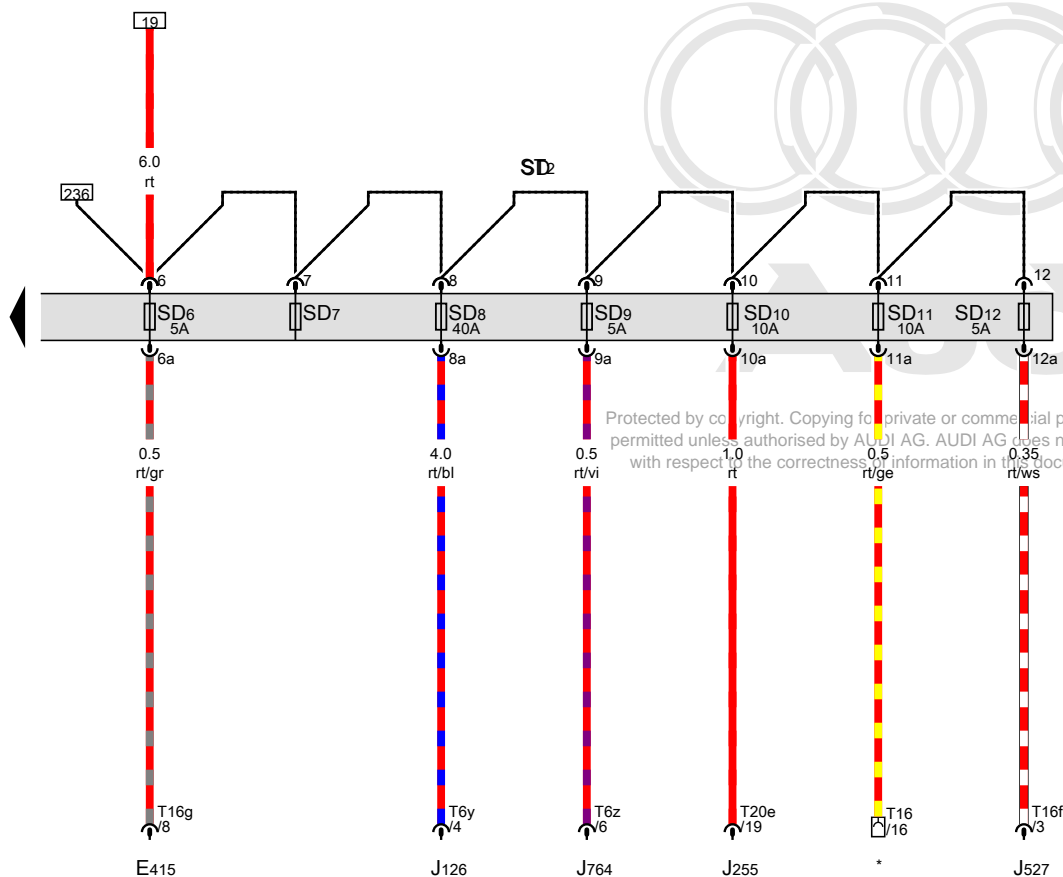
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# Fuse panel D, Fuse panel 2

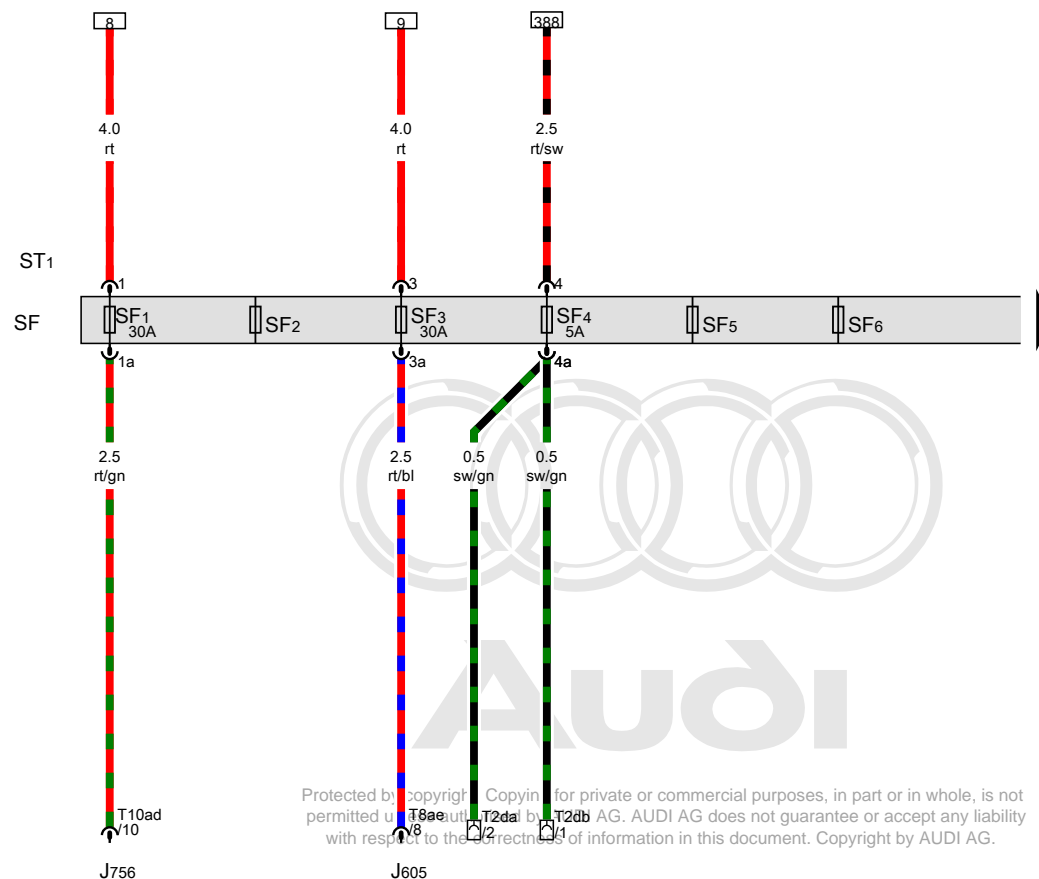
- E415 Access/start authorization switch
- J126 Fresh air blower control module
- J255 Climatronic control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- SD Fuse panel D
- ST2 Fuse panel 2
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T6y 6-pin connector
- T6z 6-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T16g 16-pin connector
- T20e 20-pin connector
- \* Diagnostic connector



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

# Fuse panel F, Fuse panel 1

- J605 Rear lid control module
- J756 Rear lid control module 2
- SF Fuse panel F
- ST1 Fuse panel 1
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T2da Double connector, blue
- T2db Double connector, blue
- T8ae 8-pin connector
- T10ad 10-pin connector



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- vi = lilac
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- or = orange
- rs = pink

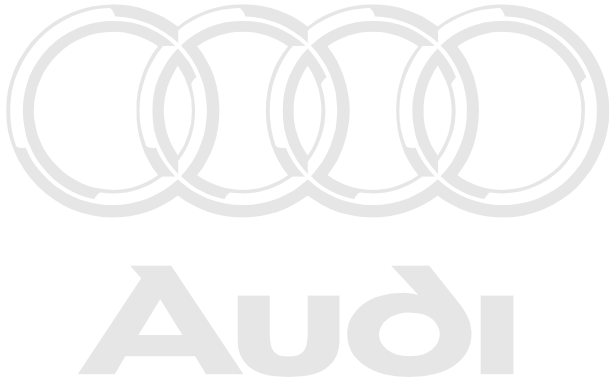
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[83B-003200415]



Fuse panel 1

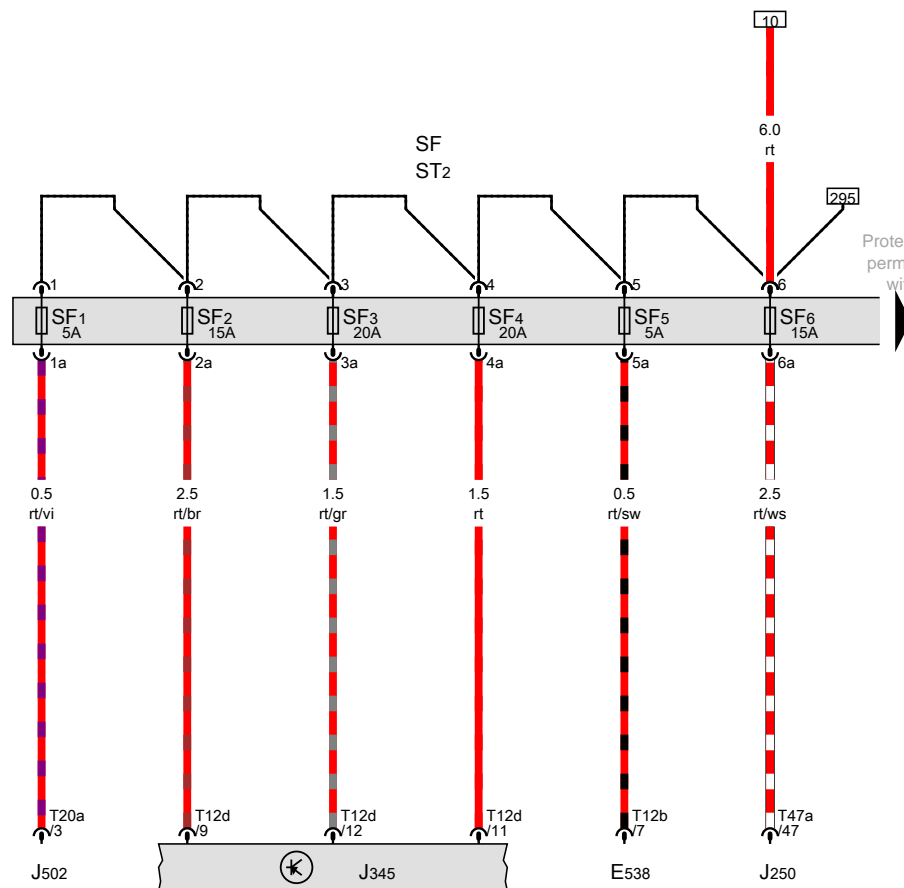
- ST1 Fuse panel 1
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)



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- or = orange
- rs = pink

# Fuse panel F, Fuse panel 2



- E538 Electromechanical parking brake button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J502 Tire pressure monitoring control module
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- ST2 Fuse panel 2
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T12b 12-pin connector
- T12d 12-pin connector
- T20a 20-pin connector
- T47a 47-pin connector

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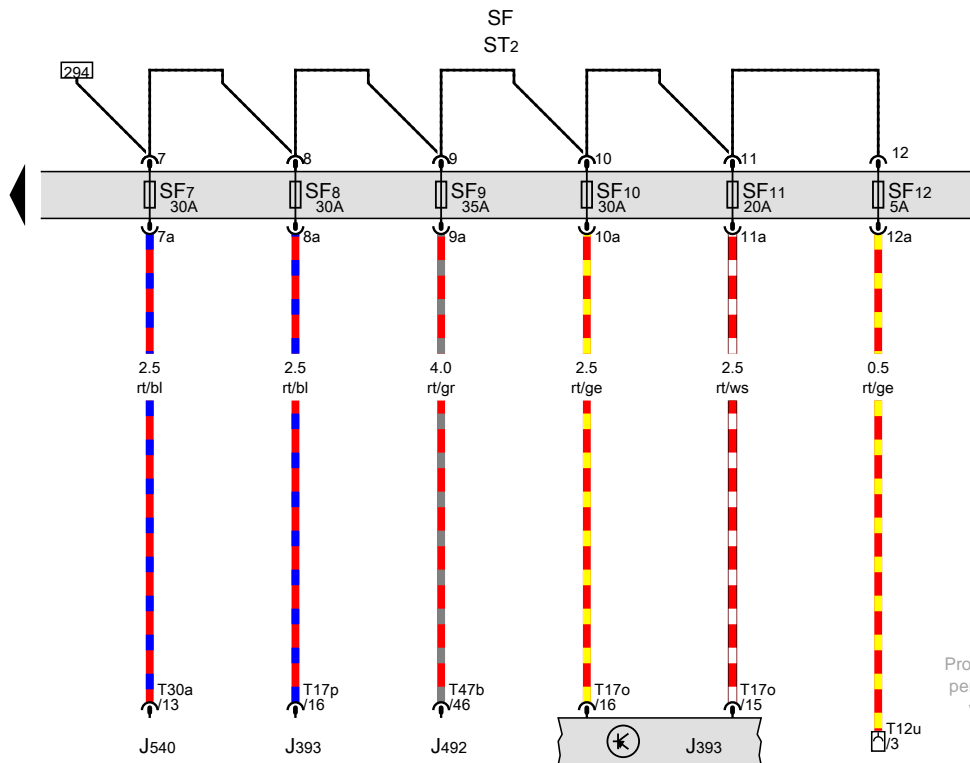
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

281 282 283 284 285 286 287 288 289 290 291 292 293 294

[83B-003220415]

### Fuse panel F, Fuse panel 2

- J393 Comfort system central control module
- J492 All wheel drive control module
- J540 Electromechanical parking brake control module
- SF Fuse panel F
- ST2 Fuse panel 2
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector, brown
- T17o 17-pin connector
- T17p 17-pin connector
- T30a 30-pin connector
- T47b 47-pin connector
- \* Only for left-hand drive vehicles



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- or = orange
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295 296 297 298 299 300 301 302 303 304 305 306 307 308

[83B-003230415]



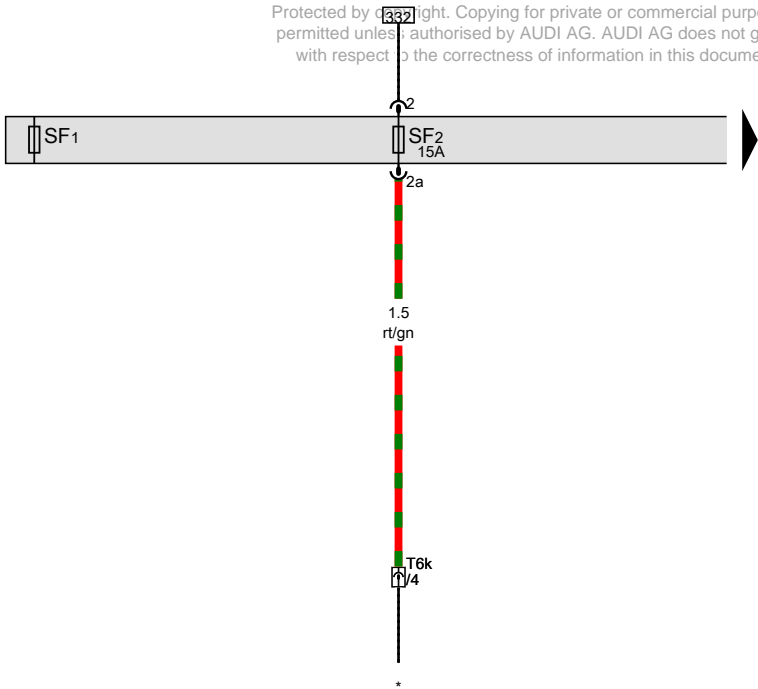
Audi

Fuse panel 3

- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- ST3 Fuse panel 3
- T6k 6-pin connector, green
- \* Refer to the applicable heated seats wiring diagram

SF  
ST3

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- rs = pink

# Fuse panel F, Fuse panel 3

- R36 Telephone transceiver
- R86 Cellular telephone amplifier
- SF Fuse panel F
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- T4ak 4-pin connector
- T18a 18-pin connector
- T54a 54-pin connector

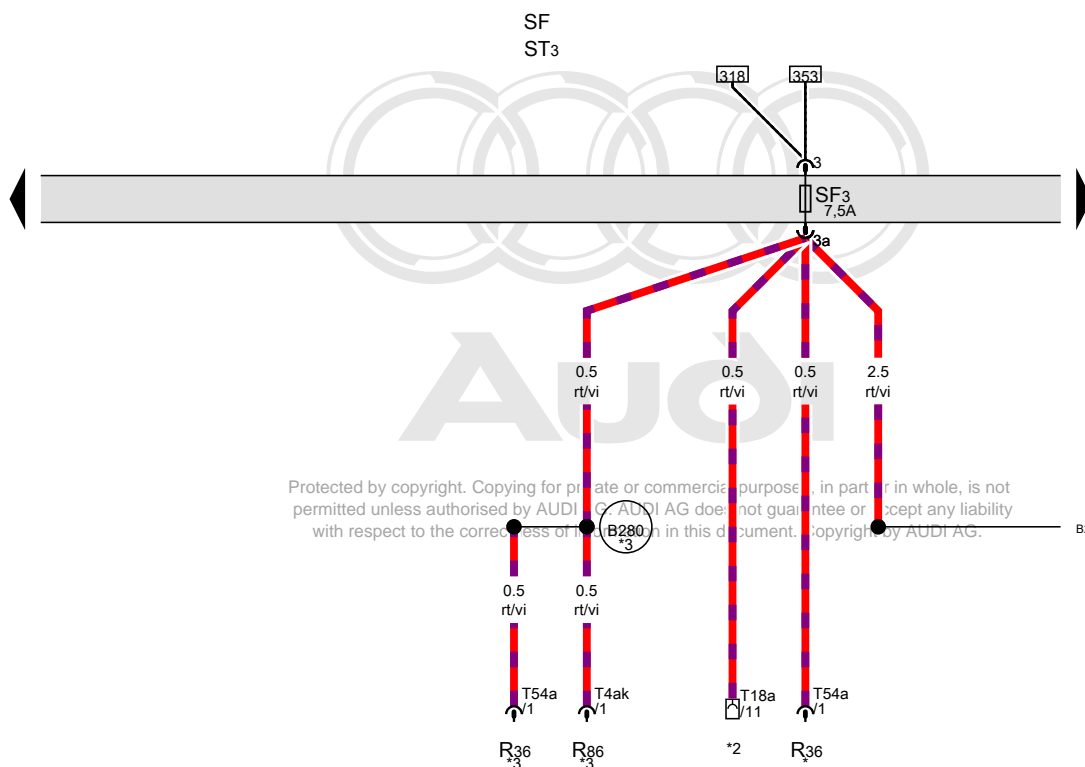
B280 Positive connection 4 (15a) (in main wiring harness)

B281 Positive connection 5 (15a) (in main wiring harness)

\* Only for vehicles with US equipment

\*2 Only for vehicles with cell phone preparation

\*3 Only for vehicles without US equipment



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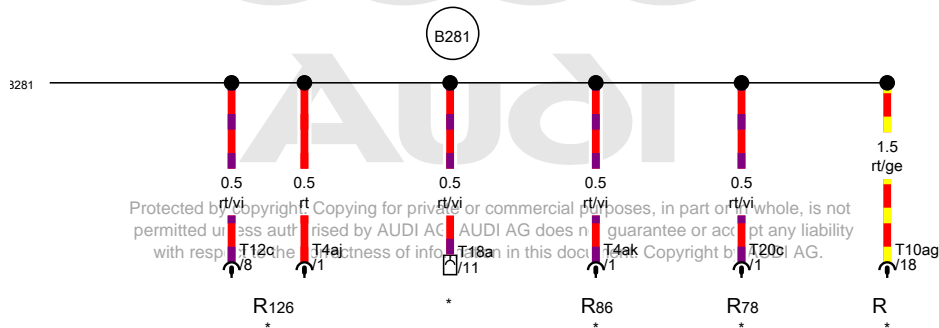
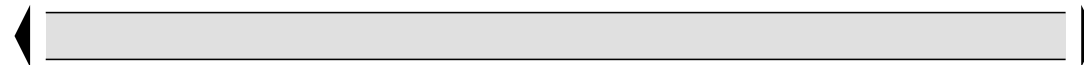
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[83B-003250415]

# Fuse panel F, Fuse panel 3

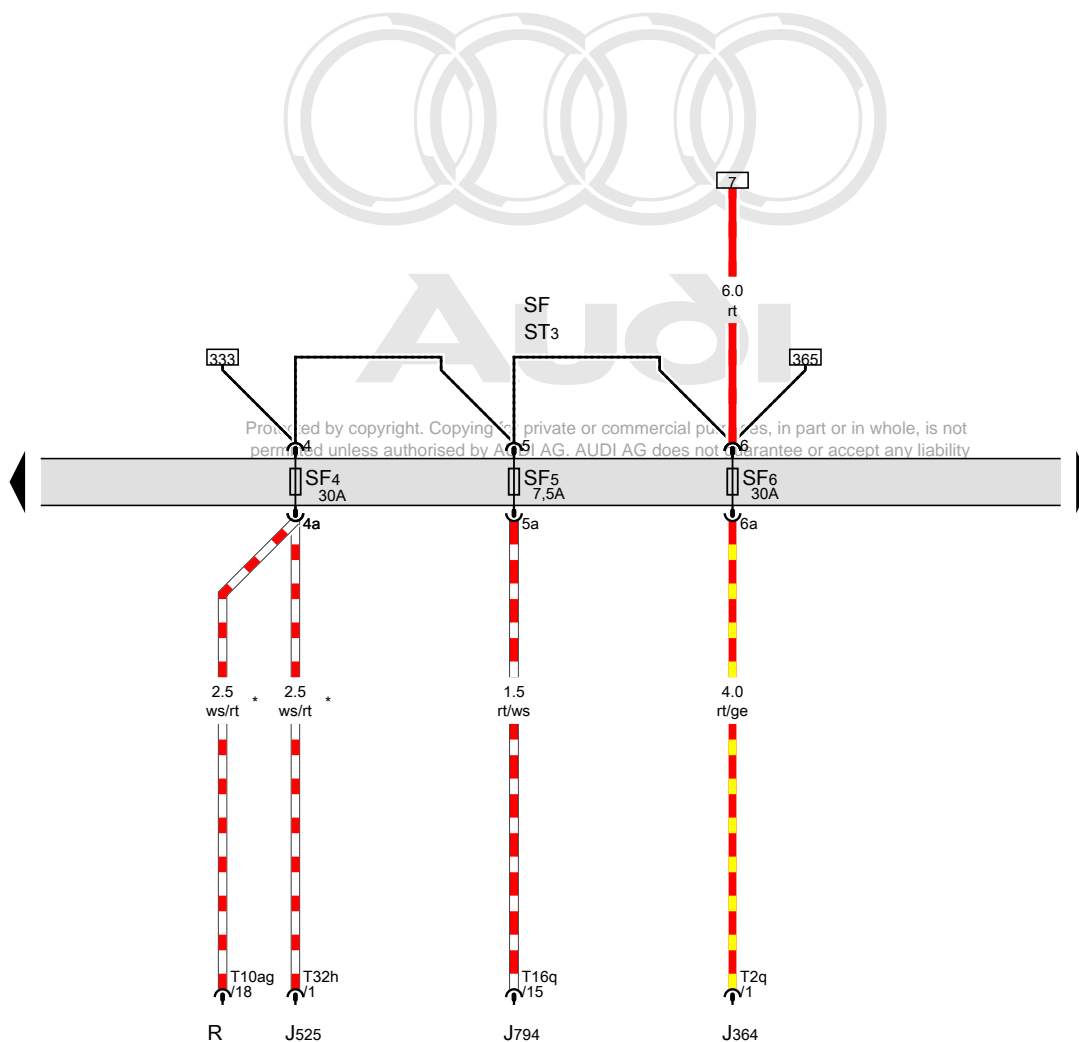
- R Radio
- R78 TV tuner
- R86 Cellular telephone amplifier
- R126 Telephone baseplate
- SF Fuse panel F
- ST3 Fuse panel 3
- T4aj 4-pin connector
- T4ak 4-pin connector
- T10ag 10-pin connector
- T12c 12-pin connector
- T18a 18-pin connector
- T20c 20-pin connector
- B281 Positive connection 5 (15a) (in main wiring harness)
- \* Refer to applicable MMI (information electronics) wiring diagram

SF  
ST3



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

[83B-003260415]



### Fuse panel F, Fuse panel 3

- J364 Auxiliary heater control module
- J525 Digital sound system control module
- J794 Information electronics control module 1
- R Radio
- SF Fuse panel F
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T2q Double connector
- T10ag 10-pin connector
- T16q 16-pin connector
- T32h 32-pin connector
- \* 4.0 diameter possible

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- bl = blue
- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

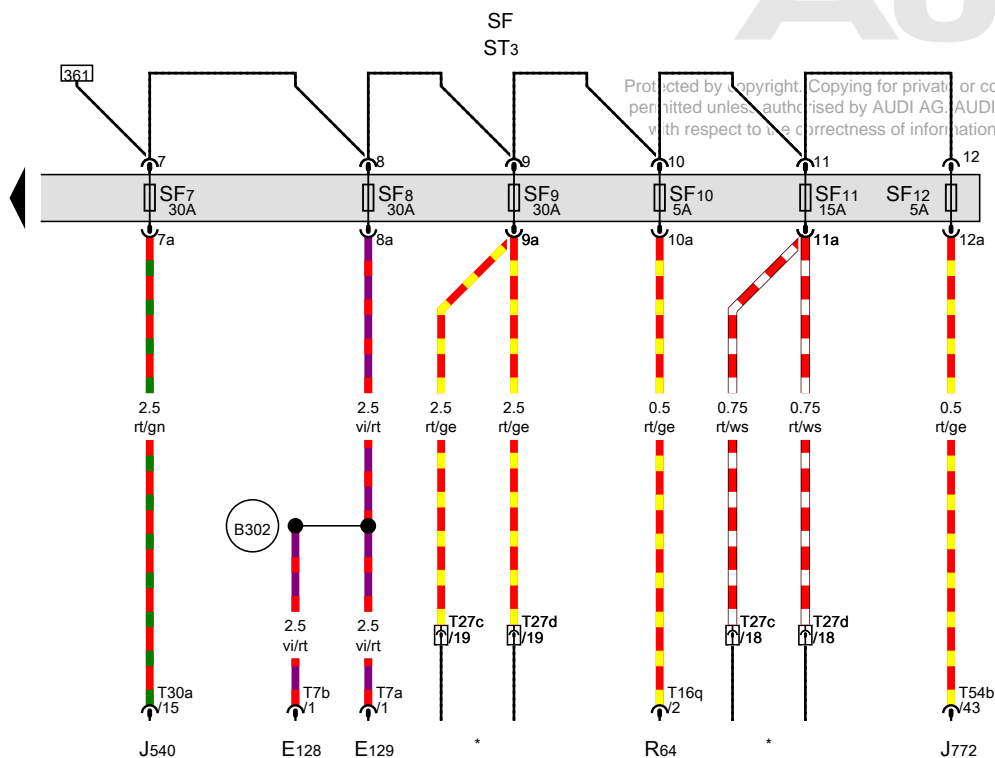
351 352 353 354 355 356 357 358 359 360 361 362 363 364

[83B-003270415]



### Fuse panel 3

- E128 Left rear heated seat regulating switch
- E129 Right rear heated seat regulating switch
- J540 Electromechanical parking brake control module
- J772 Rearview camera system control module
- R64 Parking heater radio receiver
- SF Fuse panel F
- ST3 Fuse panel 3
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T7a 7-pin connector
- T7b 7-pin connector
- T16q 16-pin connector
- T27c 27-pin connector, Right A-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T30a 30-pin connector
- T54b 54-pin connector



B302 Positive connection 6 (30) (in main wiring harness)

\* Refer to applicable convenience system wiring diagram

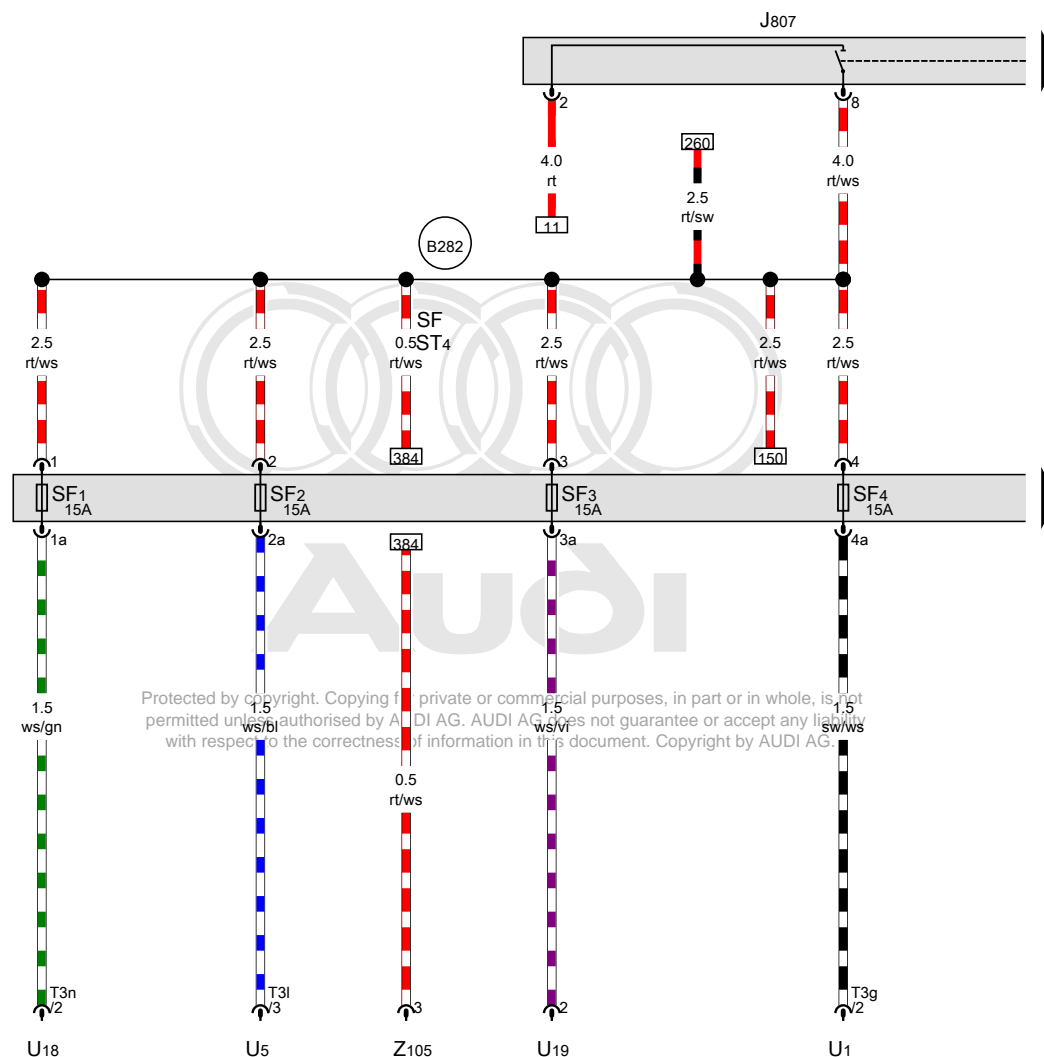
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183B-0032804151

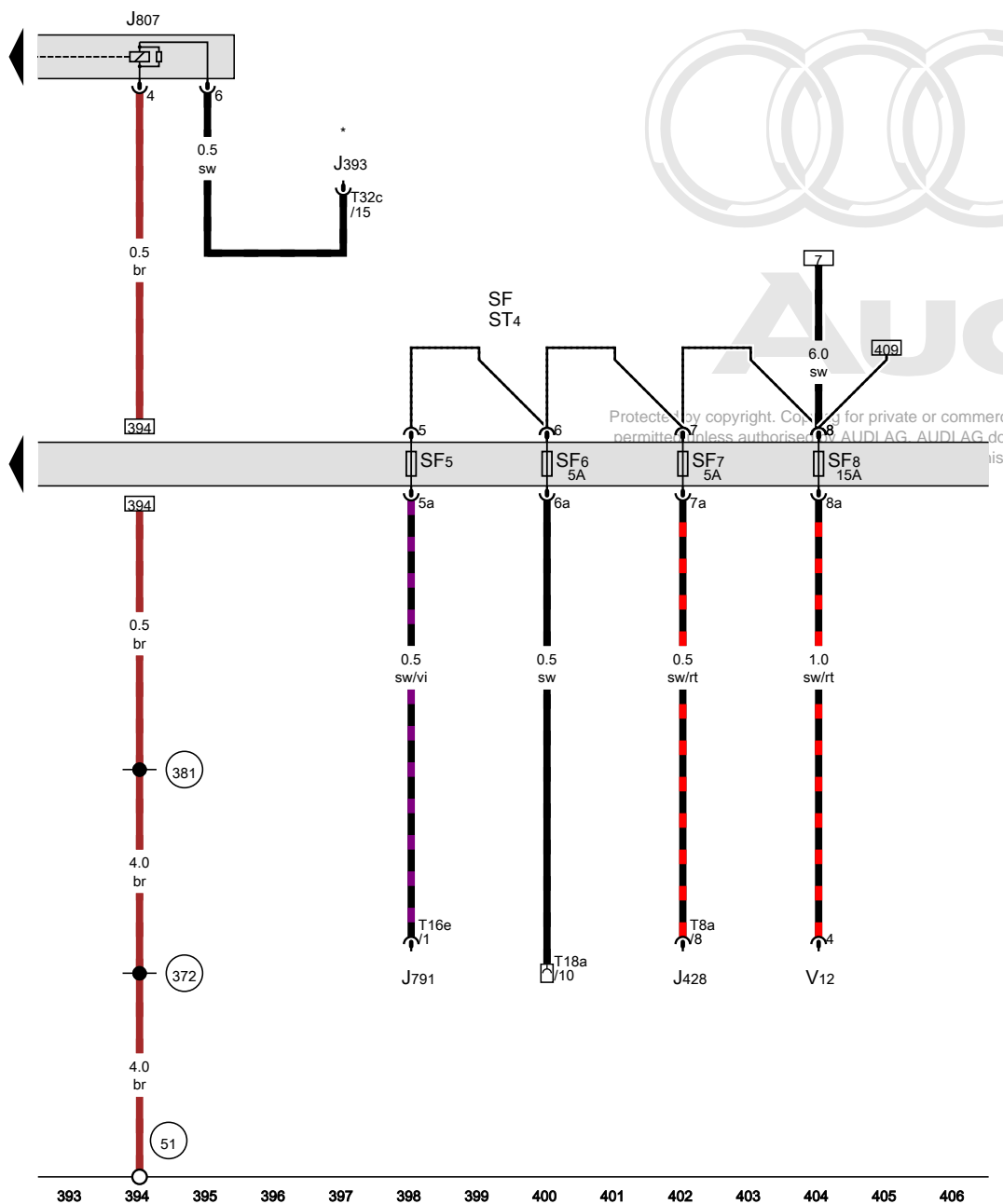


# Fuse panel F, Fuse panel 4

- J807 Sockets relay
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- T3g 3-pin connector
- T3l 3-pin connector
- T3n 3-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in the front center console
- U18 12 V socket 2, in the rear center console
- U19 12 V socket 3
- Z105 Cupholder with heating and cooling element
- B282 Positive connection 6 (15a) (in main wiring harness)



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



### Fuse panel F, Fuse panel 4

- J393 Comfort system central control module
- J428 Distance regulation control module
- J791 Parallel parking assistance control module
- J807 Sockets relay
- SF Fuse panel F
- ST4 Fuse panel 4
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T8a 8-pin connector
- T16e 16-pin connector
- T18a 18-pin connector, purple
- T32c 32-pin connector
- V12 Rear window wiper motor

- 51 Ground connection in luggage compartment, right
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)

\* Refer to applicable standard equipment wiring diagram

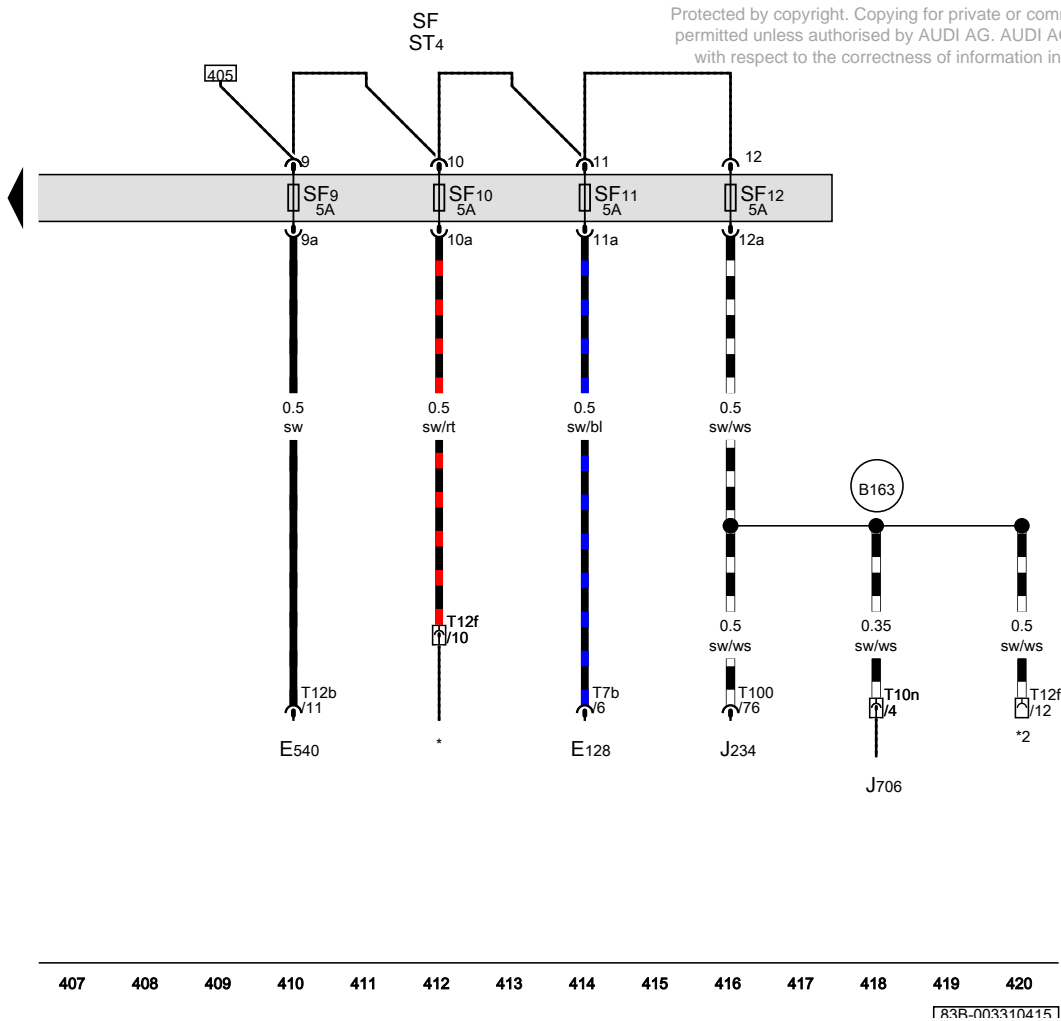
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

[83B-003300415]

# Fuse panel F, Fuse panel 4

- E128 Left rear heated seat regulating switch
- E540 -AUTO HOLD- button
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- SF Fuse panel F
- ST4 Fuse panel 4
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T7b 7-pin connector
- T10n 10-pin connector
- T12b 12-pin connector
- T12f 12-pin connector, black
- T100 100-pin connector

- B163 Positive connection 1 (15) (in interior wiring harness)
- \* Refer to applicable lane assist wiring diagram
- \*2 Refer to applicable standard equipment wiring diagram



Fuse panel F, Fuse panel 5

- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)



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**CAN disconnect plug**  
from September 2008

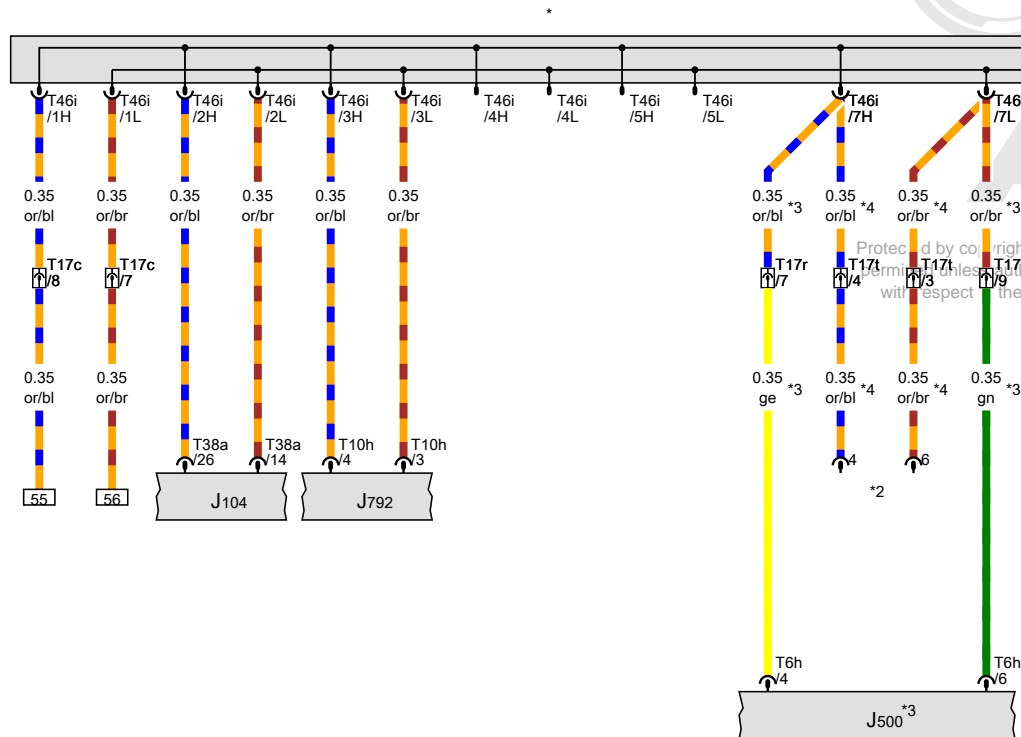


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ABS control module, Active steering control module

- J104 ABS control module
- J500 Power steering control module
- J792 Active steering control module
- T6h 6-pin connector
- T10h 10-pin connector
- T17c 17-pin connector, black
- T17r 17-pin connector, white
- T17t 17-pin connector, brown
- T38a 38-pin connector
- T46i 46-pin connector

- \* Driver connection bridge, brown
- \*2 Refer to applicable engine wiring diagram
- \*3 Running change
- \*4 Omitted as a running change

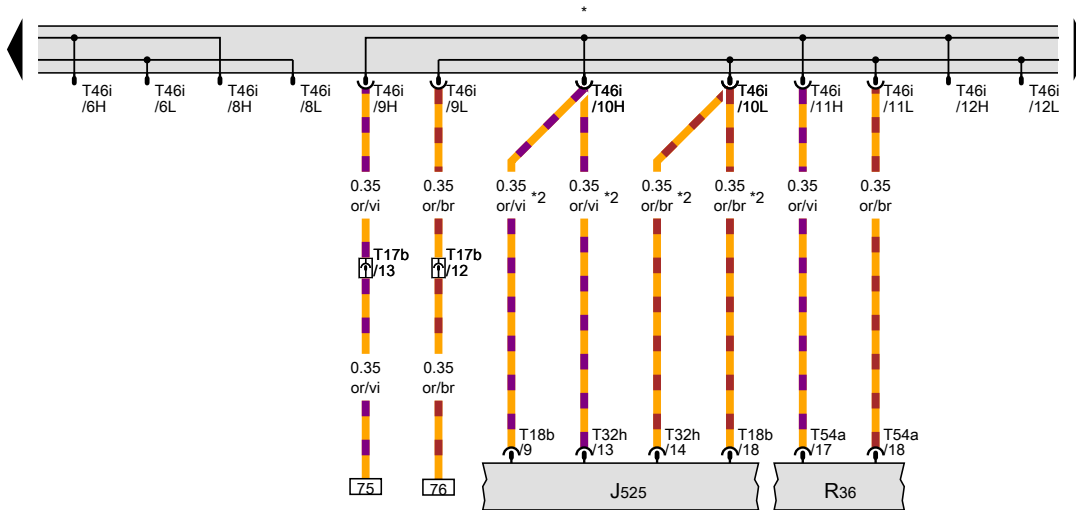


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1410920704003R18

Digital sound system control module, Telephone transceiver

- J525 Digital sound system control module
- R36 Telephone transceiver
- T17b 17-pin connector, blue
- T18b 18-pin connector
- T32h 32-pin connector
- T46i 46-pin connector
- T54a 54-pin connector
- \* Driver connection bridge, brown
- \*2 Depending on equipment



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

### Vehicle electrical control module system

J519 Vehicle electrical control module system

T10p 10-pin connector, red

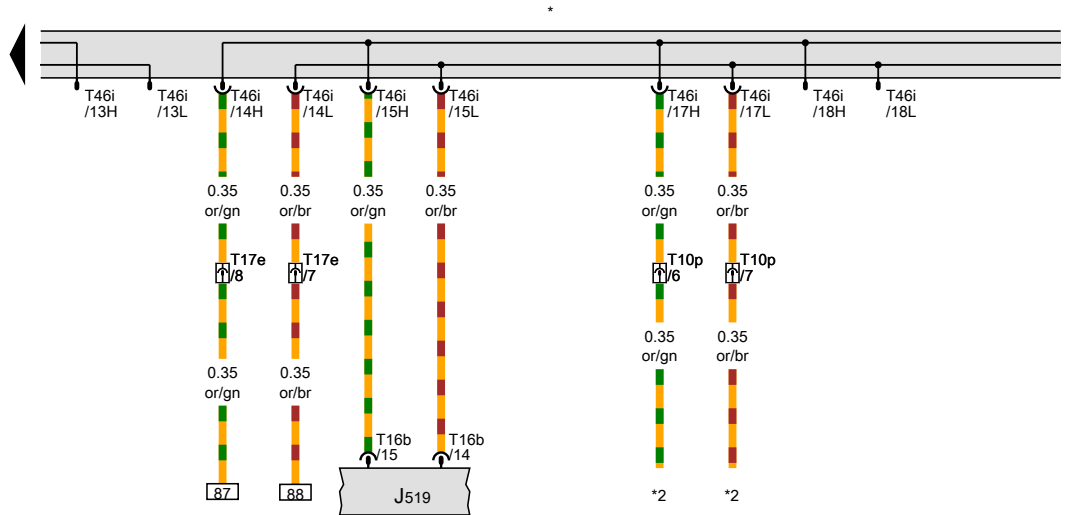
T16b 16-pin connector

T17e 17-pin connector, red

T46i 46-pin connector

\* Driver connection bridge, brown

\*2 Refer to applicable seat adjustment wiring diagram

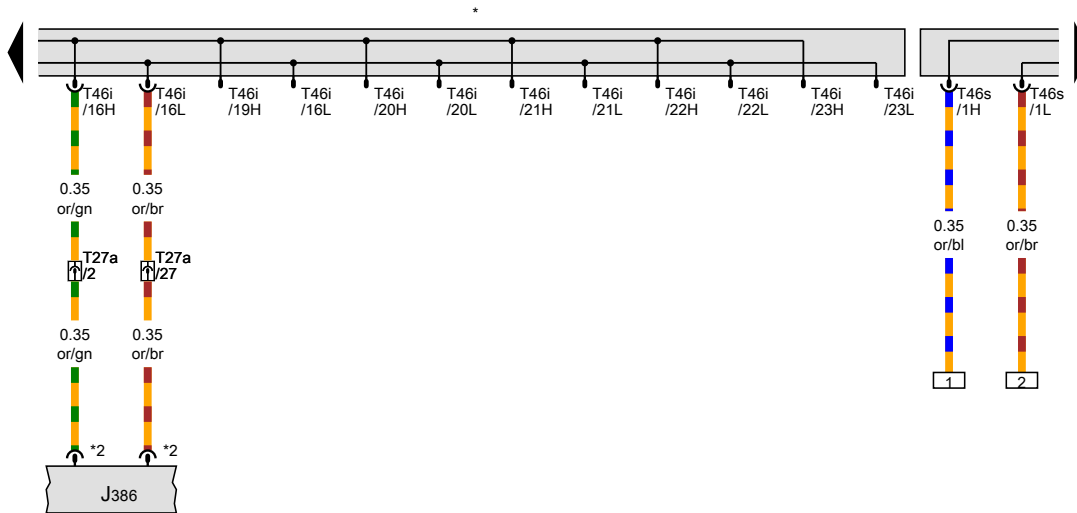


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### Driver door control module

- J386 Driver door control module
- T27a 27-pin connector, Left A-pillar, bottom
- T46i 46-pin connector
- T46s 46-pin connector
- \* Driver connection bridge, brown
- \*2 Refer to applicable convenience system wiring diagram



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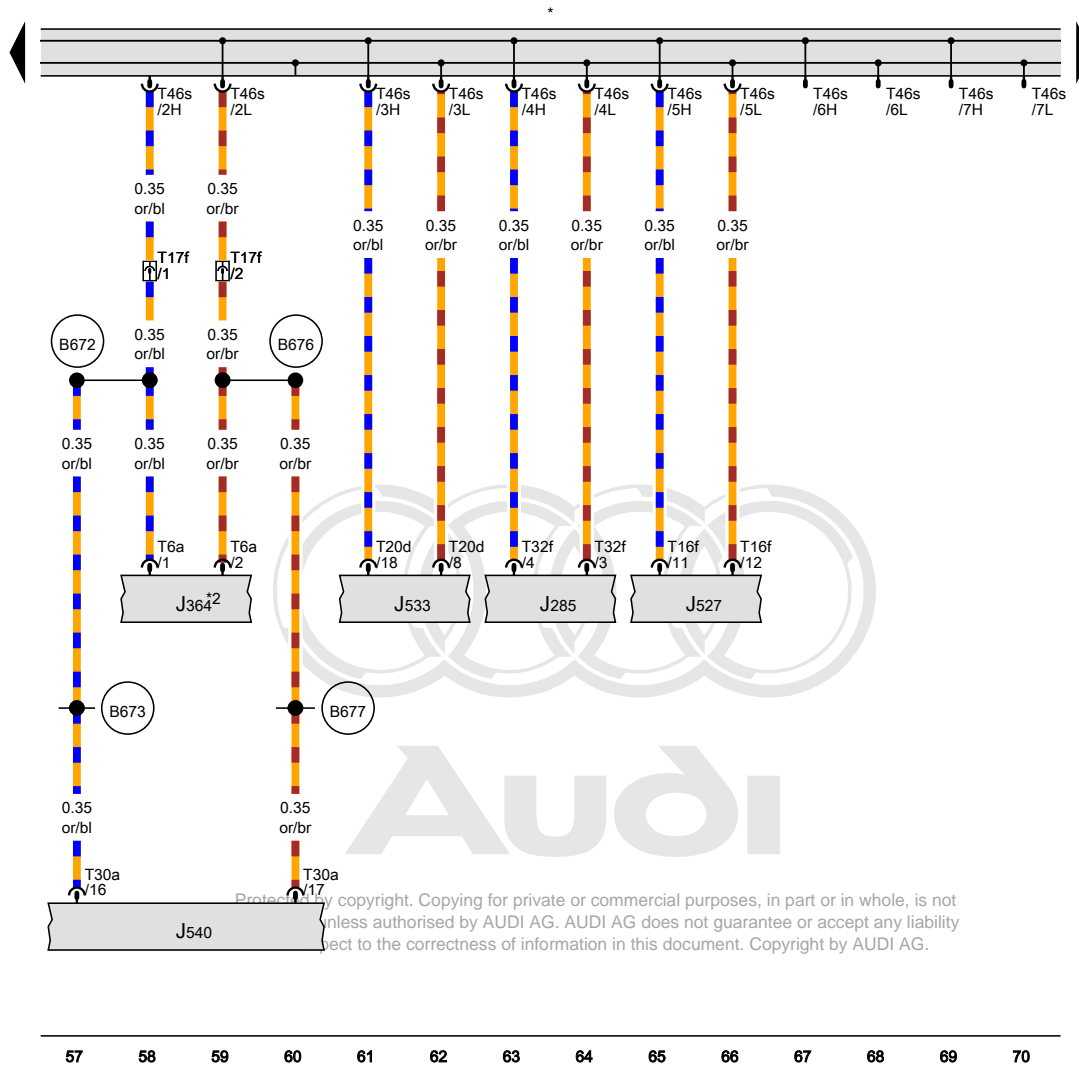
183B-004050914

Instrument cluster control module, Steering column electronics control module, Data bus on board diagnostic interface, Electromechanical parking brake control module

- J285 Instrument cluster control module
- J364 Auxiliary heater control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J540 Electromechanical parking brake control module
- T6a 6-pin connector
- T16f 16-pin connector
- T17f 17-pin connector, brown
- T20d 20-pin connector
- T30a 30-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- \* Front passenger connection bridge, brown
- \*2 Depending on equipment

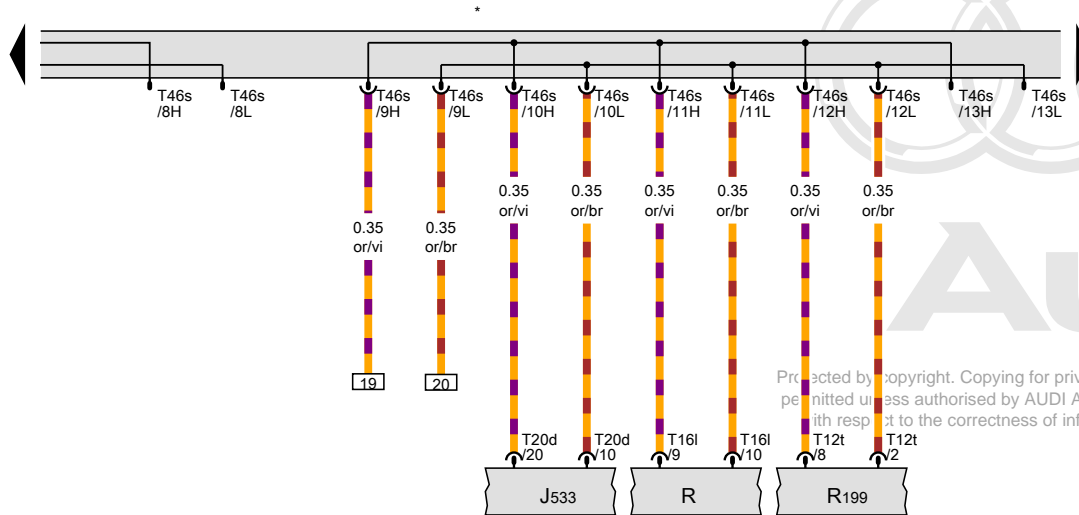


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83B-004060914

Data bus on board diagnostic interface, Radio, External audio source connection

- J533 Data bus on board diagnostic interface
- R Radio
- R199 External audio source connection
- T12t 12-pin connector
- T16l 16-pin connector
- T20d 20-pin connector
- T46s 46-pin connector
- \* Front passenger connection bridge, brown



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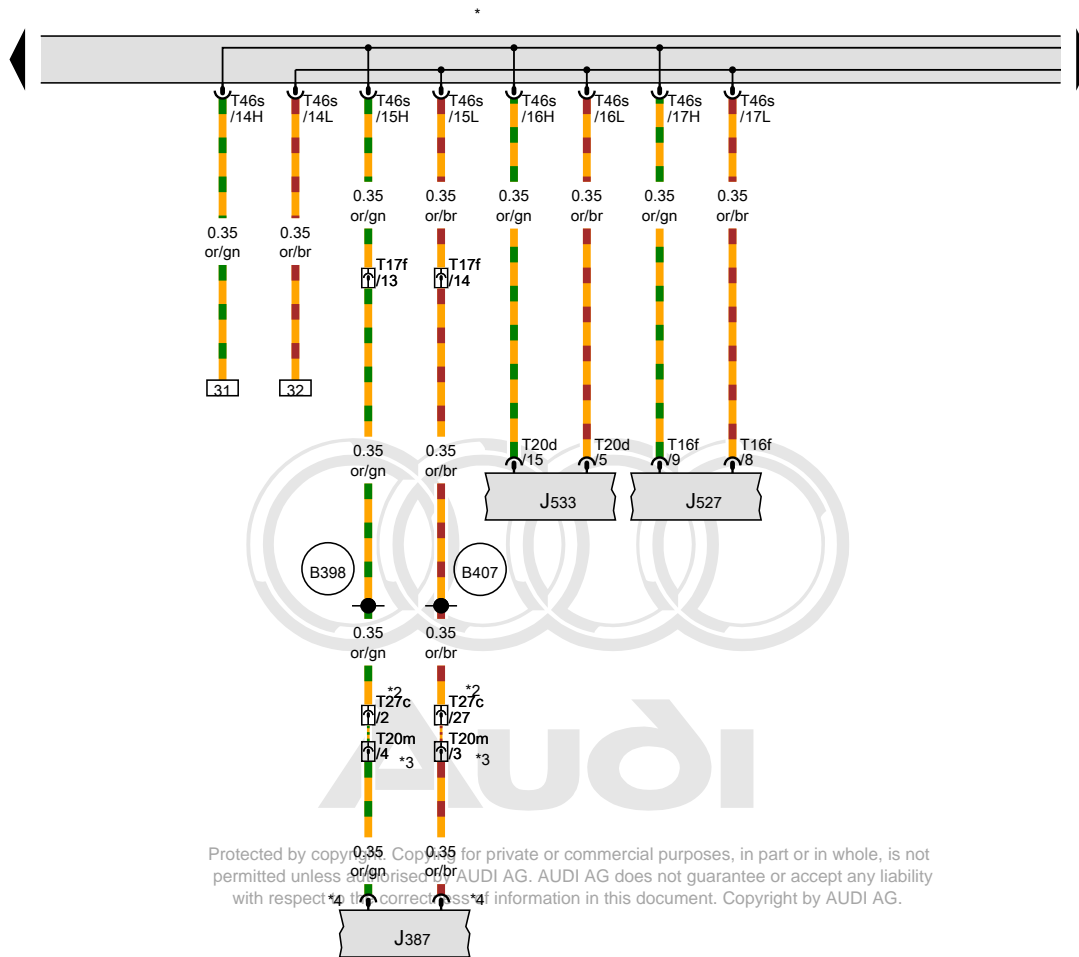
Front passenger door control module, Steering column electronics control module, Data bus on board diagnostic interface

- J387 Front passenger door control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- T16f 16-pin connector
- T17f 17-pin connector, brown
- T20d 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- T46s 46-pin connector

B398 Comfort system CAN bus high connection 2 (in main wiring harness)

B407 Comfort system CAN bus low connection 2 (in main wiring harness)

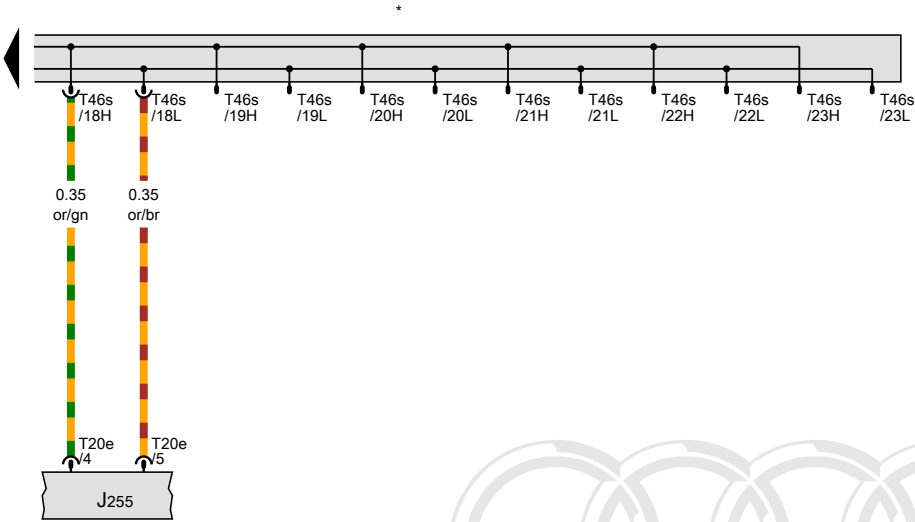
- \* Front passenger connection bridge, brown
- \*2 Omitted as a running change
- \*3 Running change
- \*4 Refer to applicable convenience system wiring diagram



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Climatronic control module

- J255 Climatronic control module
- T20e 20-pin connector
- T46s 46-pin connector
- \* Front passenger connection bridge, brown



Audi

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- or = orange
- rs = pink

**2.0L gasoline engine , CADA,CAEB,CDNB,CDNC**  
from September 2008

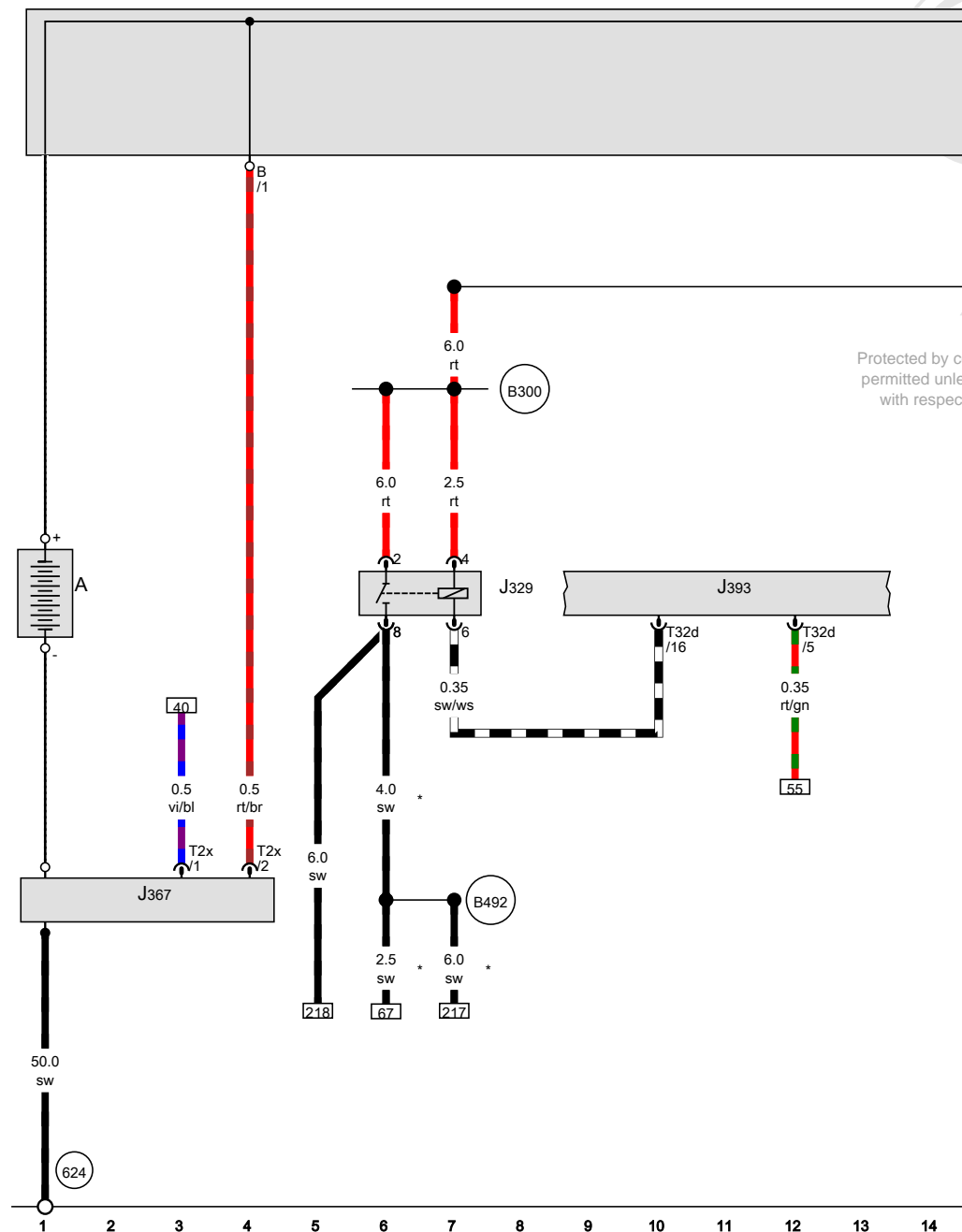


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# Battery, Terminal 15 power supply relay

- A Battery
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- T2x Double connector
- T32d 32-pin connector
- 624 Ground connection near starter battery
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)

\* through April 2009

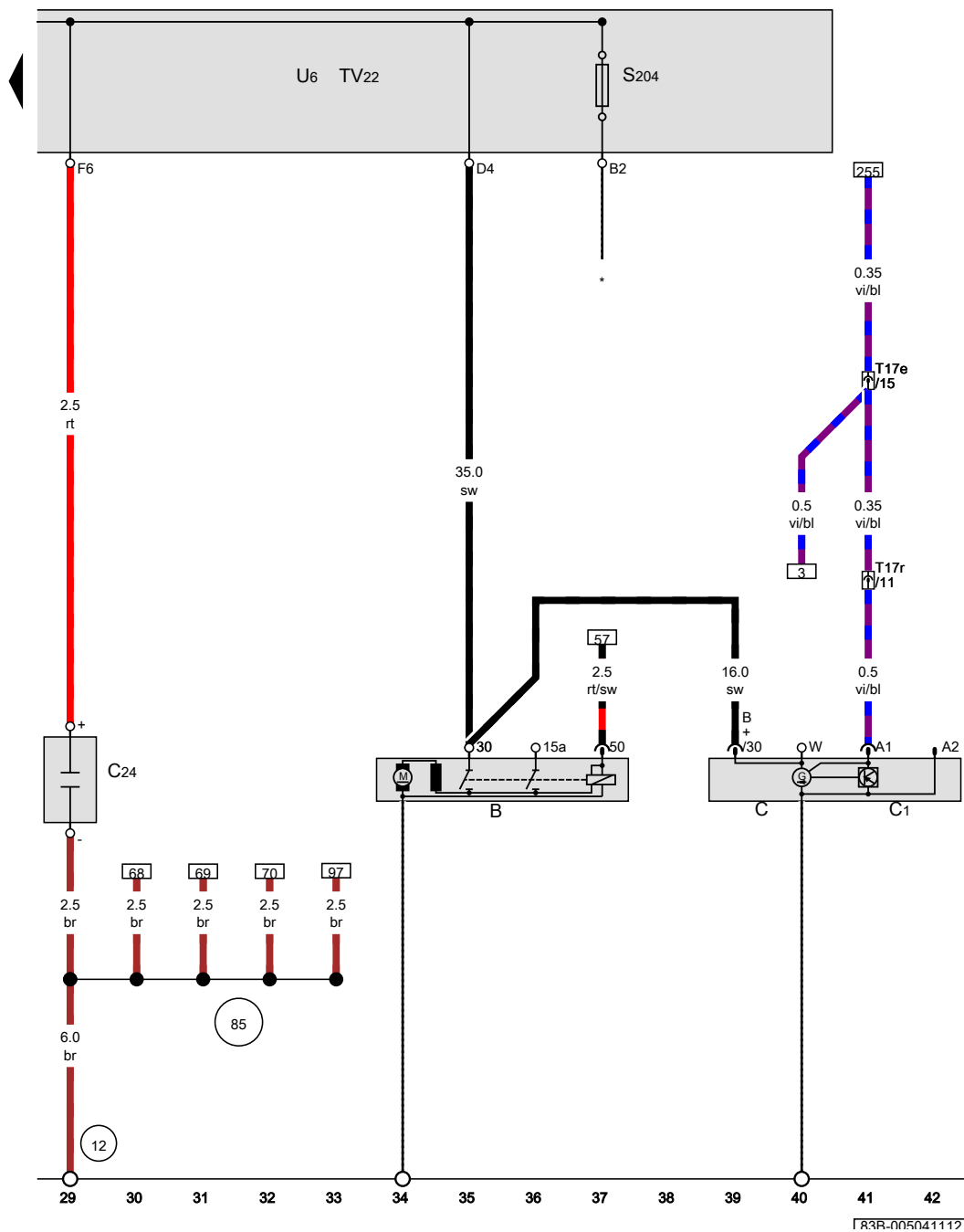


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 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
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 or = orange  
 rs = pink

183B-0050211121







Starter, Generator, Voltage regulator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- C24 Suppressor
- S204 Fuse 1 (terminal 30)
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- \* Refer to applicable coolant fan wiring diagram

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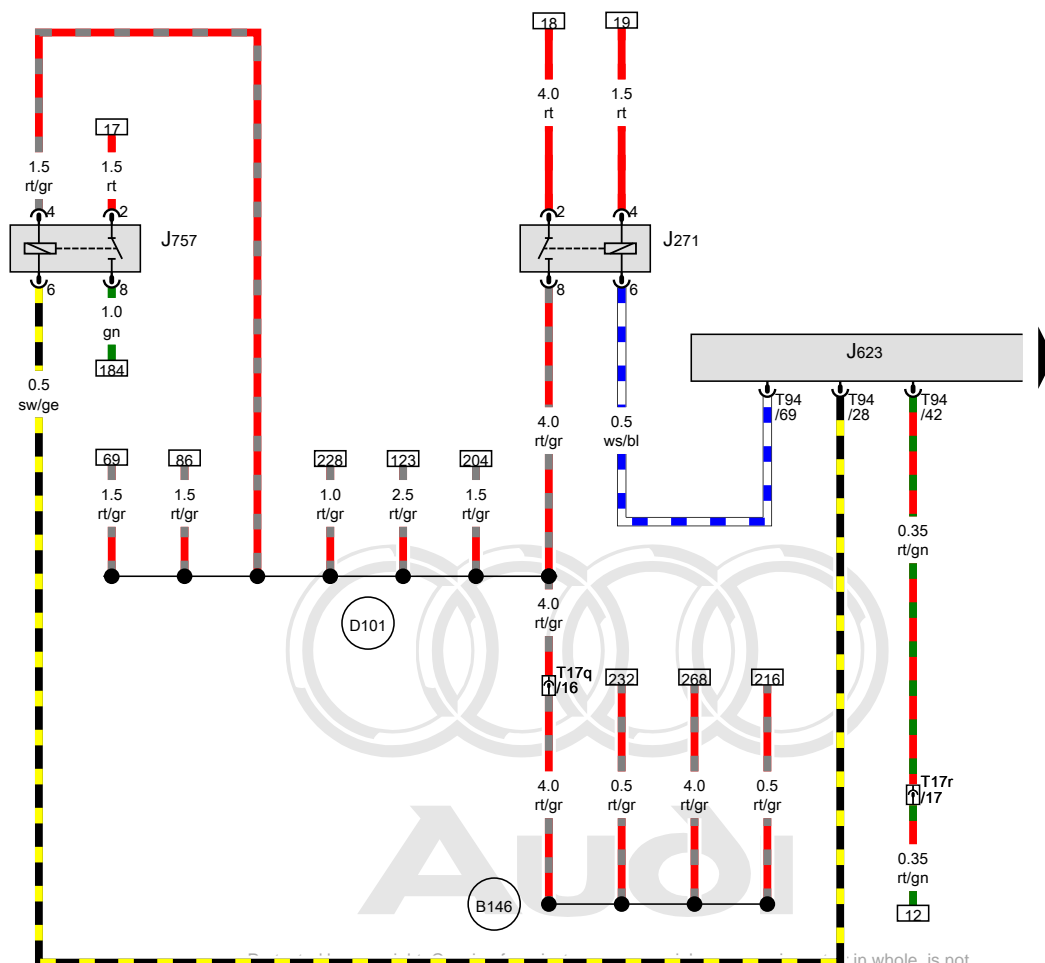
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 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

Motronic engine control module power supply relay, Engine component power supply relay

- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

B146 Positive connection 1 (87) (in interior wiring harness)

D101 Connection 1 (in engine compartment wiring harness)



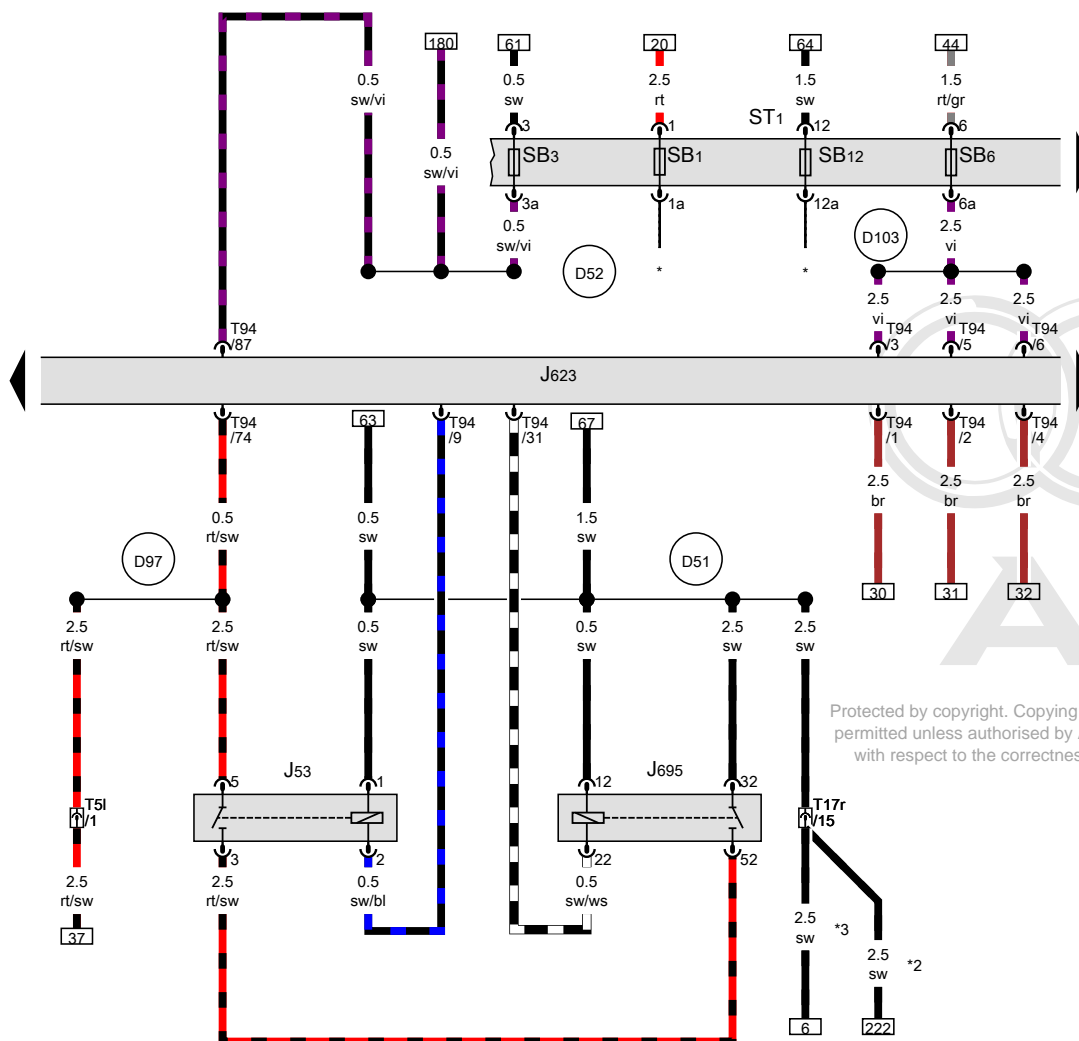
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43 44 45 46 47 48 49 50 51 52 53 54 55 56

[83B-005051112]

Starter relay, Relay 2 for starter



- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- SB1 Fuse 1 (on fuse panel B)
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T5l 5-pin connector, in the engine compartment
- T17r 17-pin connector, white
- T94 94-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for automatic transmission from May 2009
- \*2 through April 2009
- \*3

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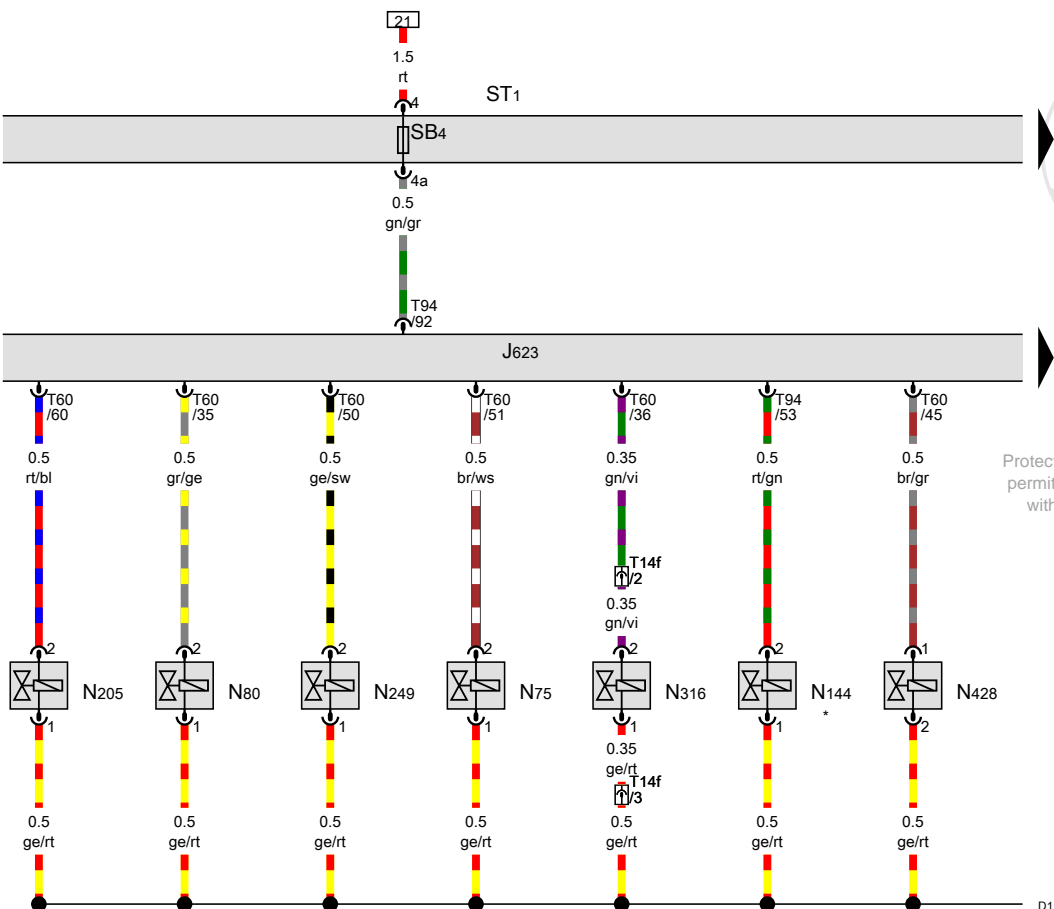
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Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Left electrohydraulic engine mount solenoid valve, Camshaft adjustment valve 1, Turbocharger recirculation valve, Oil pressure regulation valve

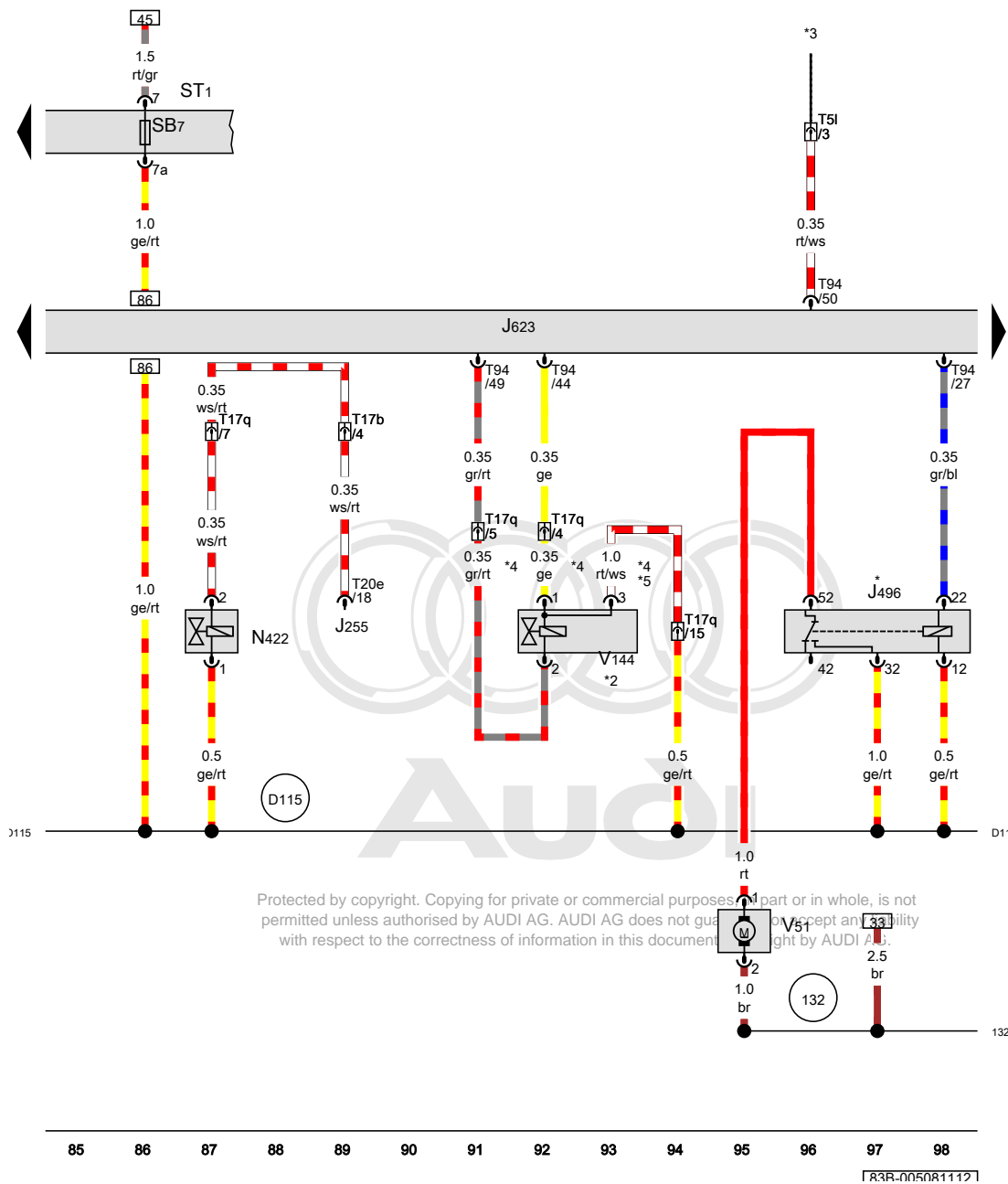
- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N80 EVAP canister purge regulator valve 1
- N144 Left electrohydraulic engine mount solenoid valve
- N205 Camshaft adjustment valve 1
- N249 Turbocharger recirculation valve
- N316 Intake manifold runner control valve
- N428 Oil pressure regulation valve
- ST1 Fuse panel 1
- SB4 Fuse 4 (on fuse panel B)
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector
- T94 94-pin connector

D115 Connection 13 (in engine compartment wiring harness)

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- or = orange
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# Climatronic refrigerant shut-off valve, After-run coolant pump

- J255 Climatronic control module
- J496 Auxiliary engine coolant pump relay
- J623 Engine control module
- N422 Climatronic refrigerant shut-off valve
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- T5l 5-pin connector, in the engine compartment
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- T94 94-pin connector
- V51 After-run coolant pump
- V144 Leak detection pump

132 Ground connection 3 (in engine compartment wiring harness)

D115 Connection 13 (in engine compartment wiring harness)

- \* Optional equipment
- \*2 Only for vehicles with US equipment
- \*3 Refer to applicable coolant fan wiring diagram
- \*4 Diameter depends on equipment
- \*5 Depending on equipment

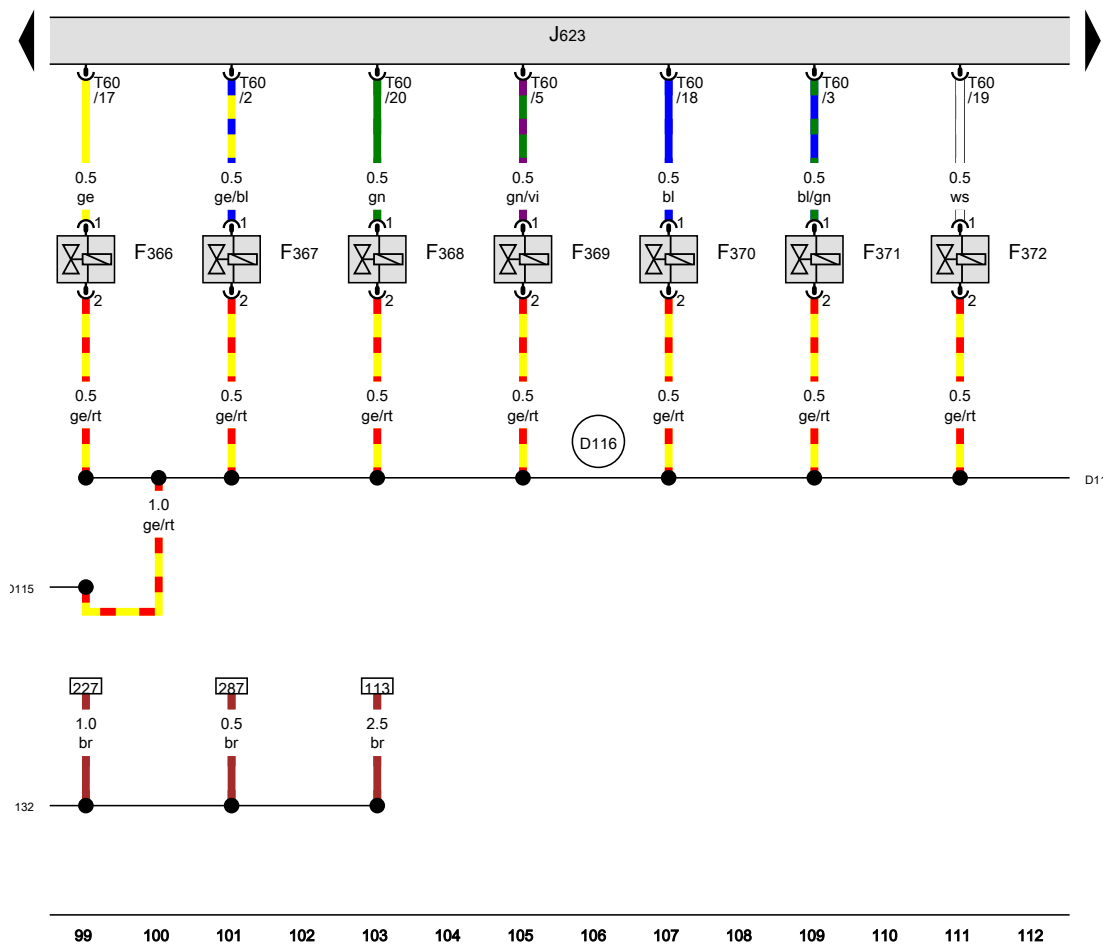
Cam adjustment actuator 1, Cam adjustment actuator 6,  
Cam adjustment actuator 7

- 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
- F372 Cam adjustment actuator 7
- J623 Engine control module
- T60 60-pin connector

132 Ground connection 3 (in engine compartment wiring harness)

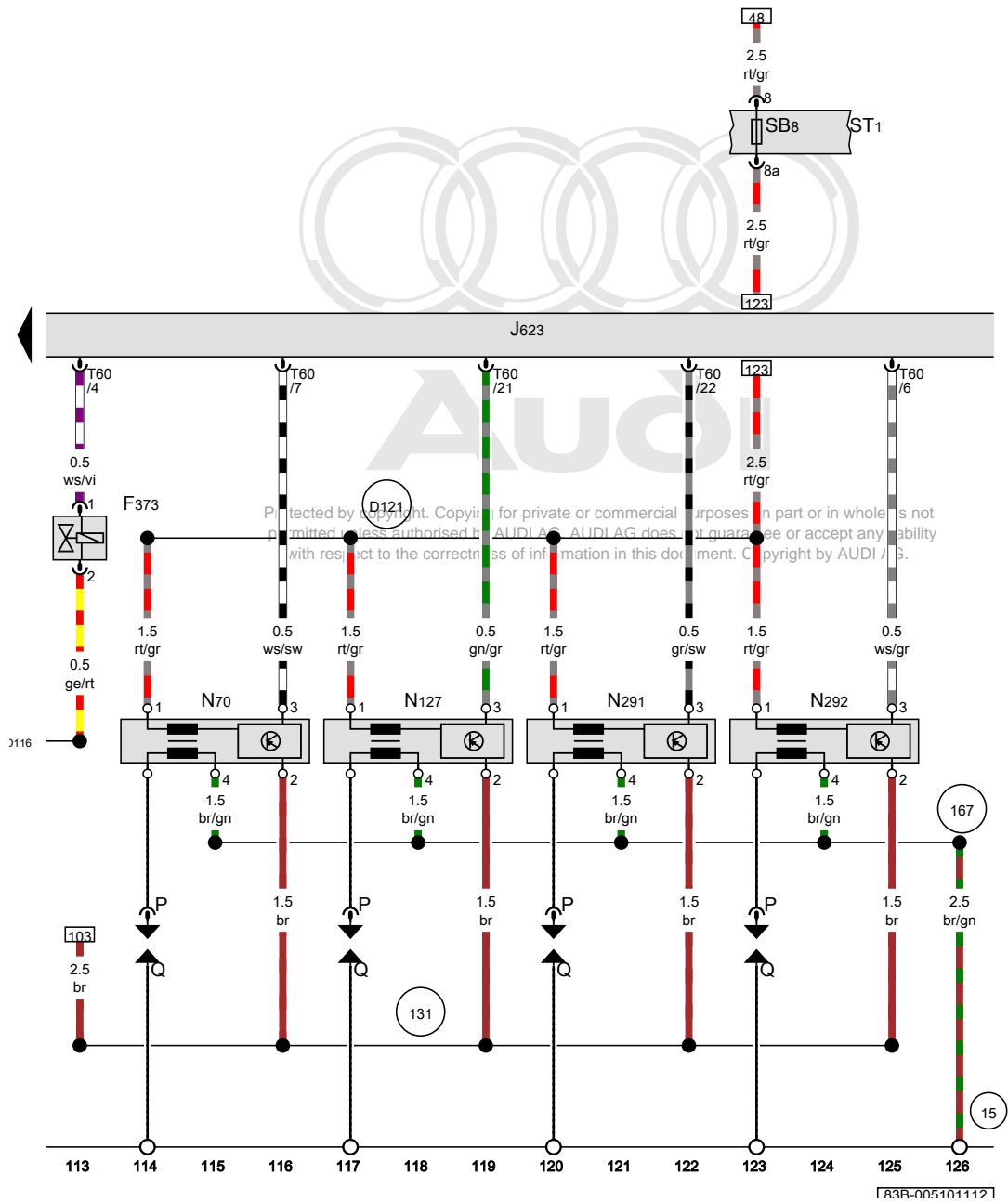
D115 Connection 13 (in engine compartment wiring harness)

D116 Connection 14 (in engine compartment wiring harness)



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83B-005091112



Cam adjustment actuator 8, Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

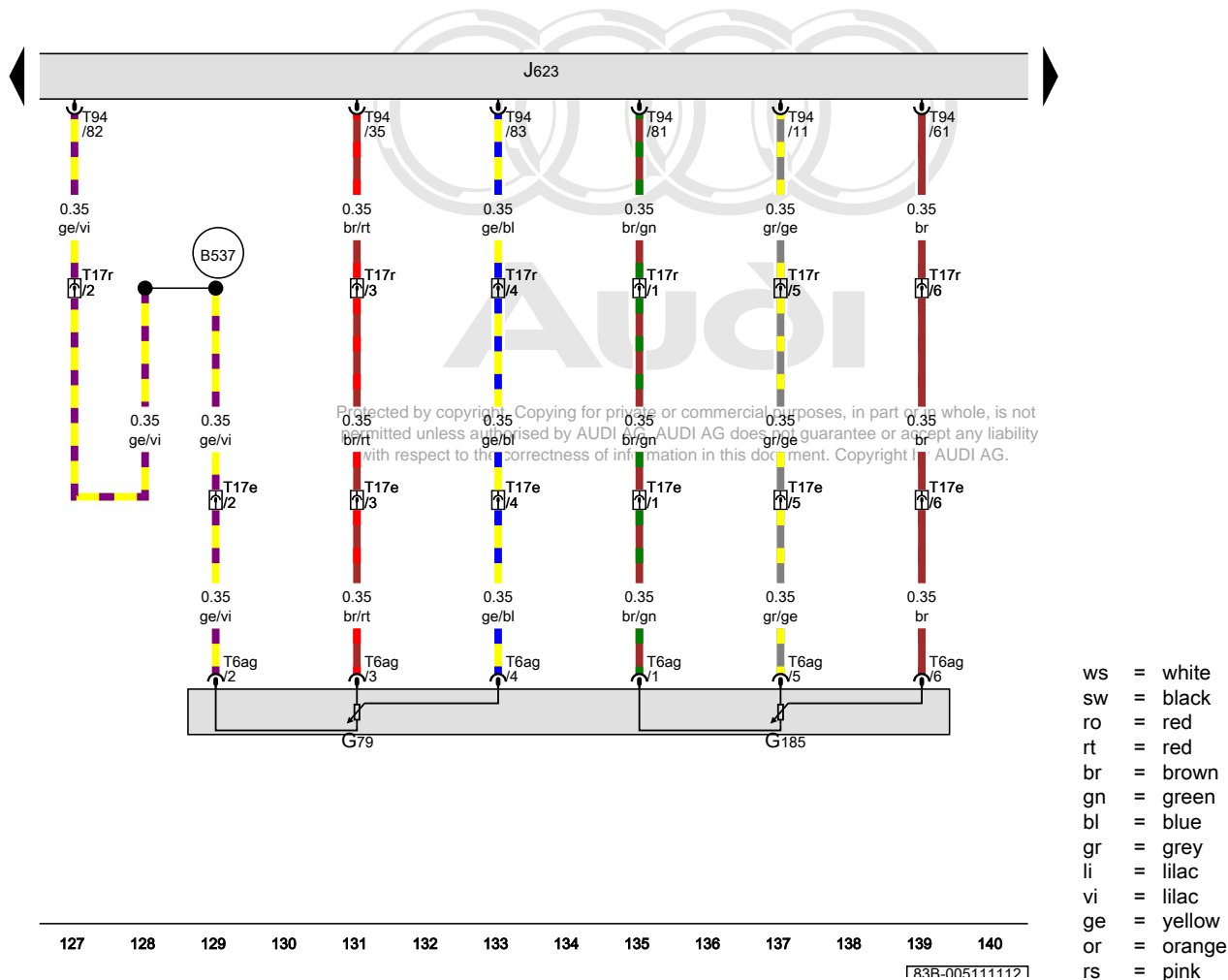
- F373 Cam adjustment actuator 8
- J623 Engine control module
- N70 Ignition coil 1 with power output stage
- N127 Ignition coil 2 with power output stage
- N291 Ignition coil 3 with power output stage
- N292 Ignition coil 4 with power output stage
- P Spark plug connectors
- Q Spark plugs
- ST1 Fuse panel 1
- SB8 Fuse 8 (on fuse panel B)
- T60 60-pin connector

- 15 Ground connection on cylinder head
- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D116 Connection 14 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

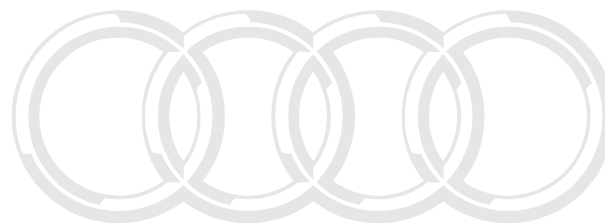
Accelerator pedal position sensor, Accelerator pedal position sensor 2

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

B537 Connection 28 (in main wiring harness)







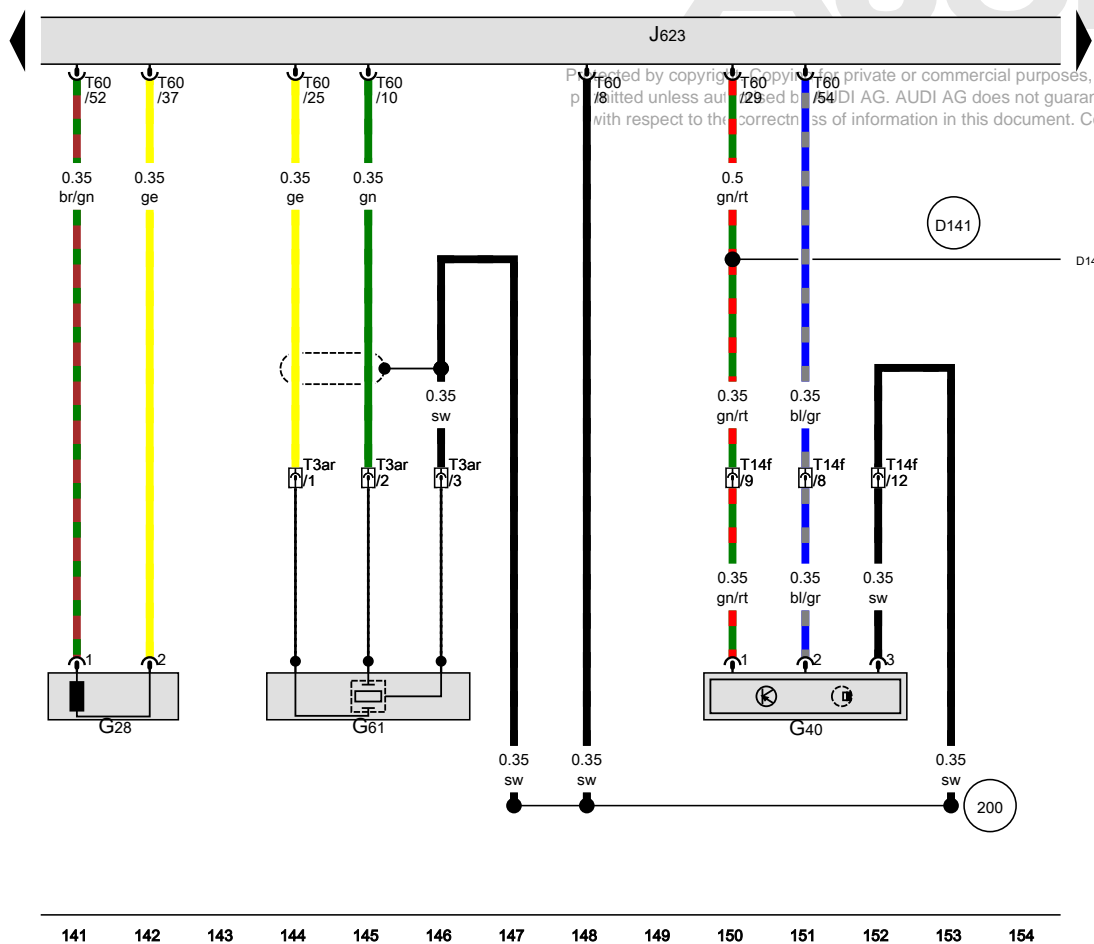
Audi

# Engine speed sensor, Camshaft position sensor

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- J623 Engine control module
- T3ar 3-pin connector, green
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector

200 Ground connection shielding (in engine compartment wiring harness)

D141 Connection 5V (in engine wiring harness)



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- vi = lilac
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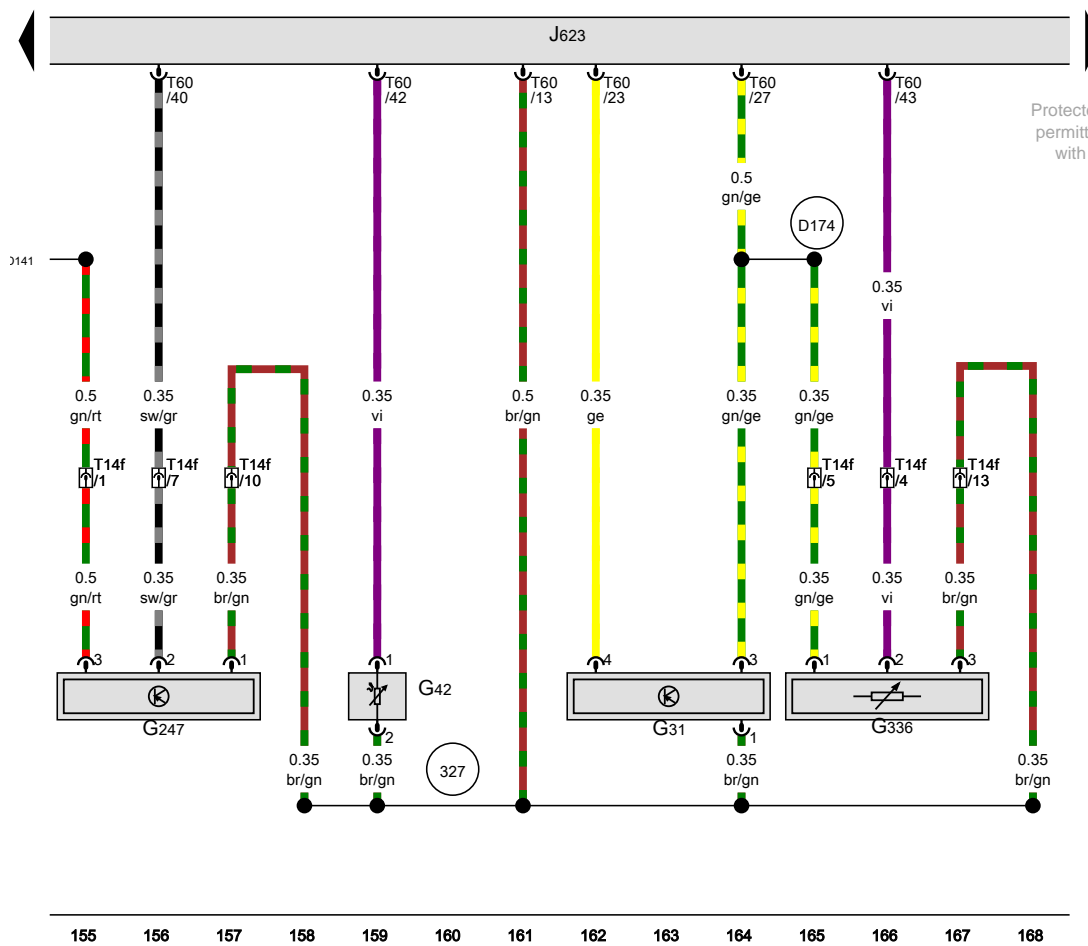
Fuel pressure sensor, Intake manifold runner position sensor

- G31 Charge air pressure sensor
- G42 Intake air temperature sensor
- G247 Fuel pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector

327 Sensor ground connection (in engine compartment wiring harness)

D141 Connection 5V (in engine wiring harness)

D174 Connection 5V (in engine wiring harness) 2

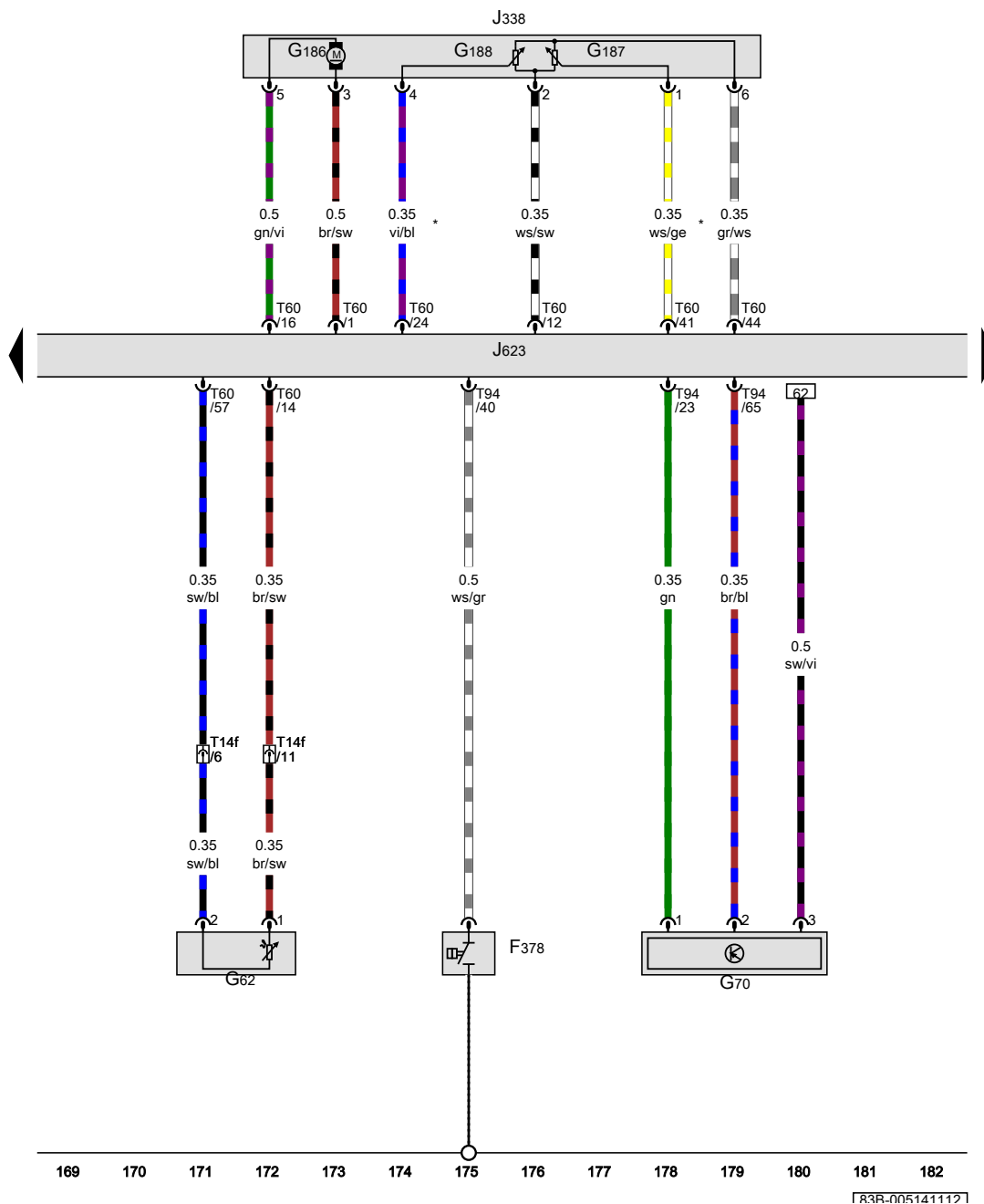


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[83B-005131112]

Reduced oil pressure switch, Throttle valve control module



- F378 Reduced oil pressure switch
- G62 Engine coolant temperature sensor
- G70 Mass airflow sensor
- 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
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector
- T94 94-pin connector
- \* The color of the wires depends on vehicle equipment

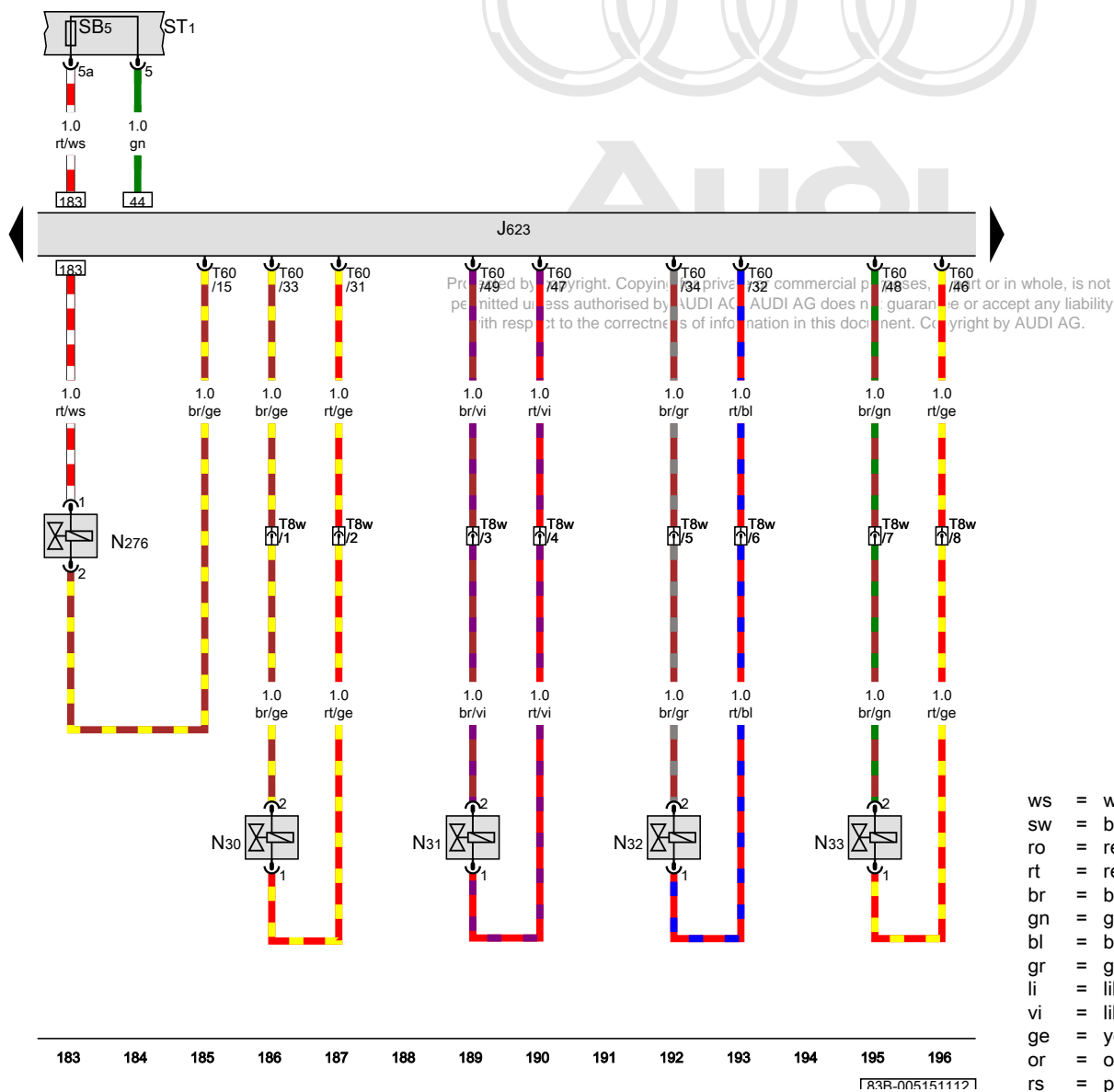
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[83B-005141112]

Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Fuel pressure regulator valve

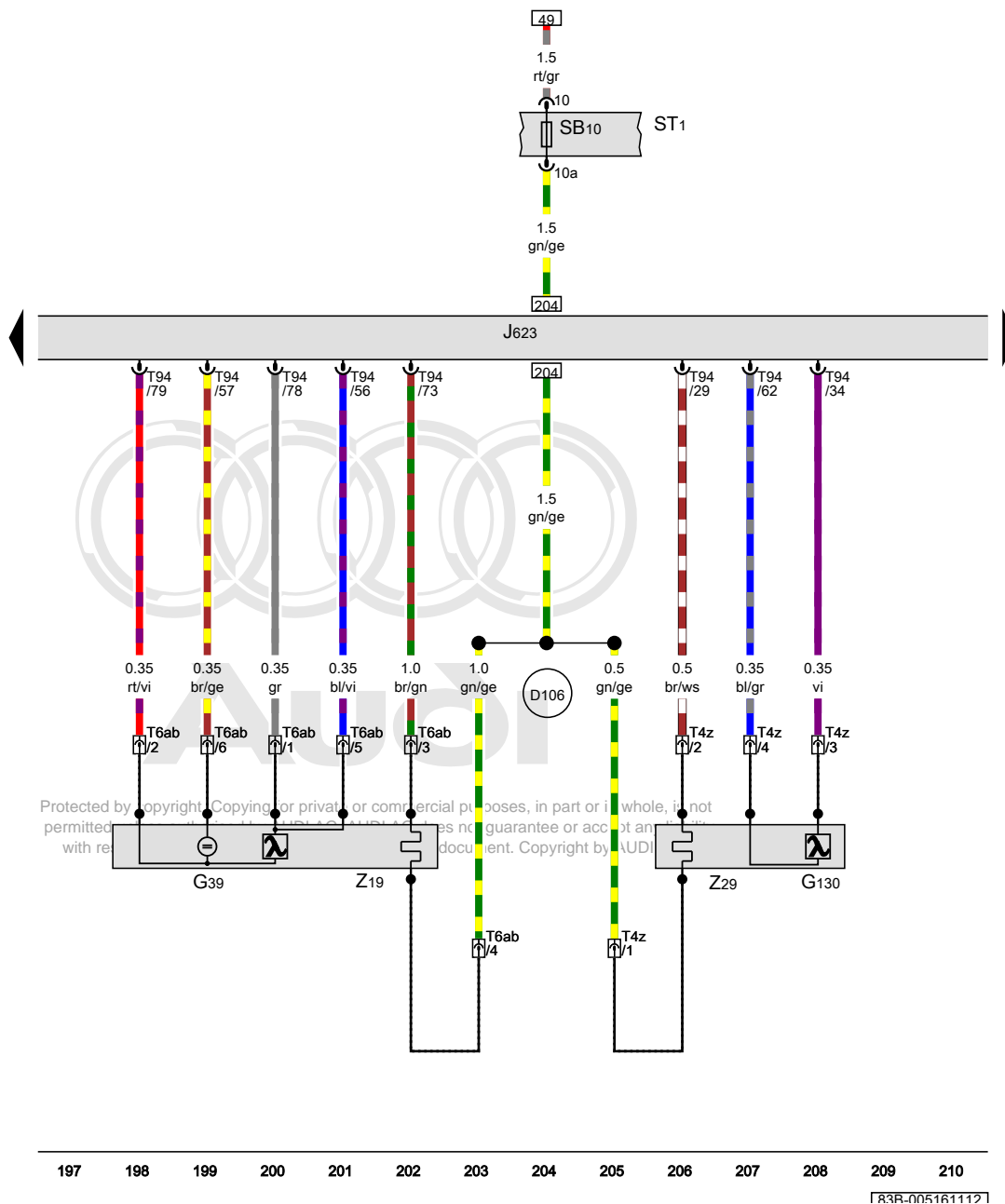
- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- N276 Fuel pressure regulator valve
- ST1 Fuse panel 1
- SB5 Fuse 5 (on fuse panel B)
- T8w 8-pin connector, in the engine compartment
- T60 60-pin connector

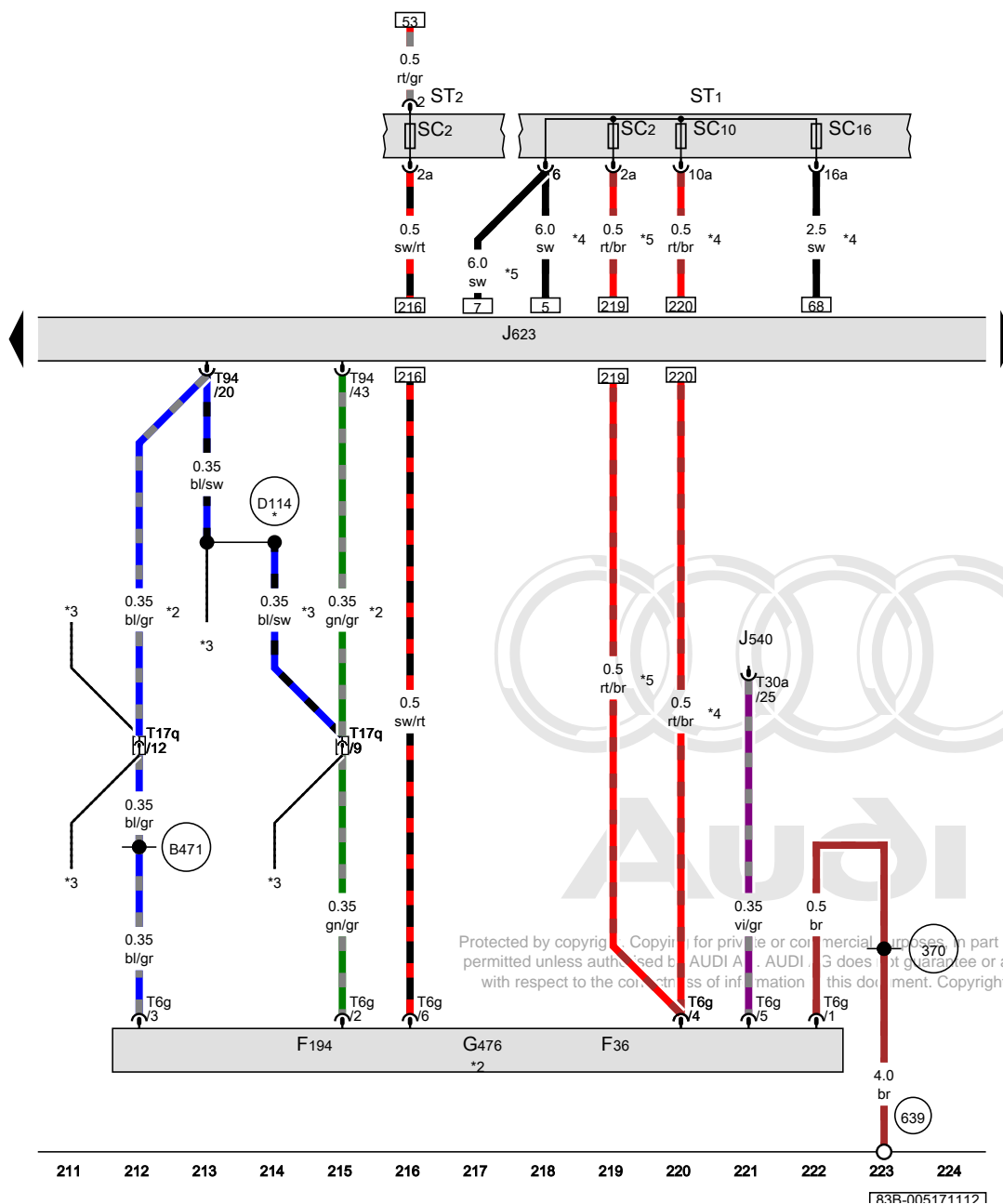


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# Heated oxygen sensor, Oxygen sensor after three way catalytic converter

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T4z 4-pin connector, brown
- T6ab 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D106 Connection 4 (in engine compartment wiring harness)





## Clutch position sensor

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- ST1 Fuse panel 1
- SC2 Fuse 2 (on fuse panel C)
- ST2 Fuse panel 2
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T6g 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T94 94-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)

- \* Only for vehicles with automatic transmission
- \*2 Only for vehicles with a manual transmission
- \*3 Refer to applicable wiring diagram for automatic transmission from May 2009
- \*4 through April 2009
- \*5

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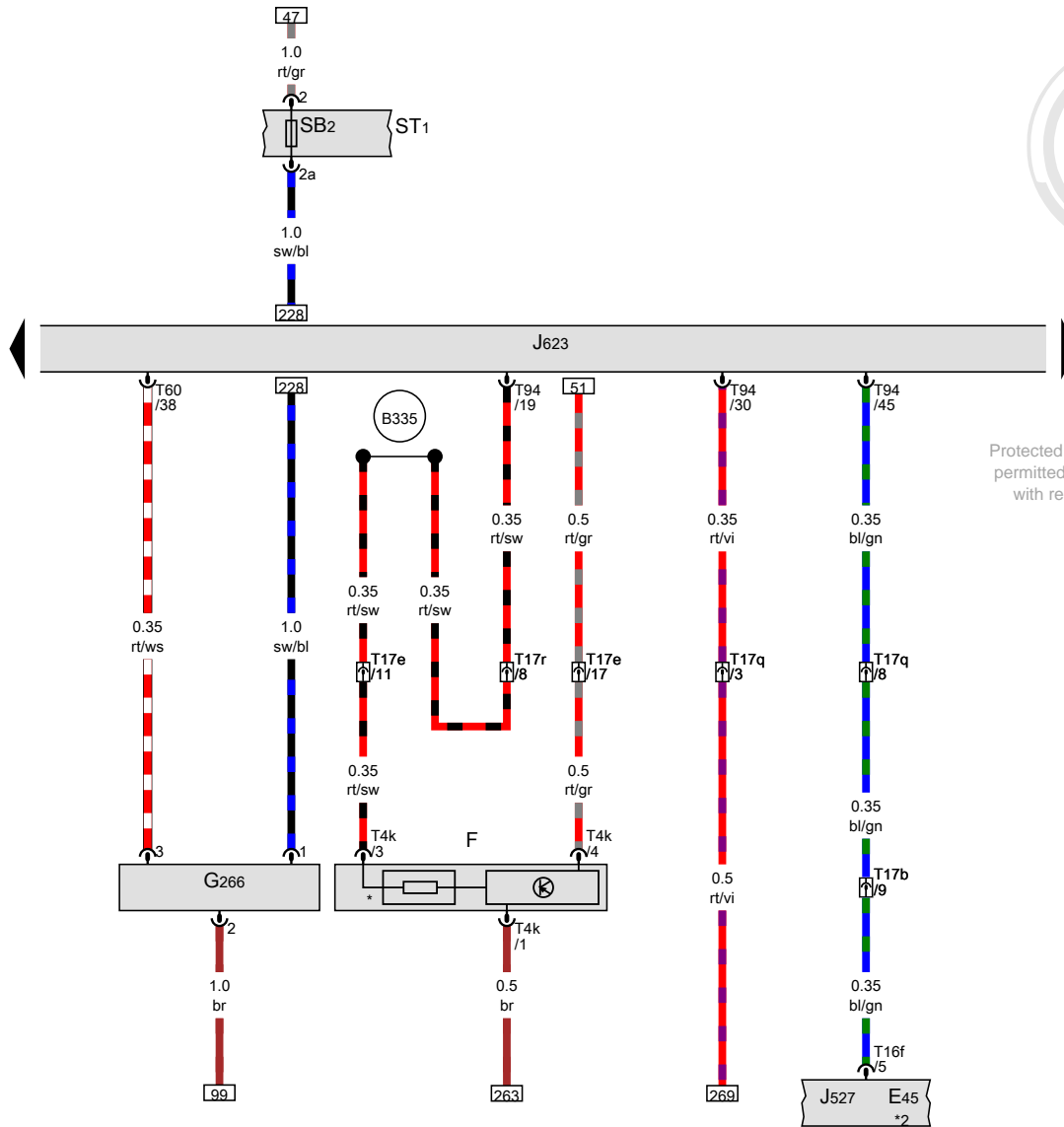
Brake lamp switch, Steering column electronics control module

- E45 Cruise control switch
- F Brake lamp switch
- G266 Oil level thermal sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- T4k 4-pin connector
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T60 60-pin connector
- T94 94-pin connector

B335 Connection 54 (in main wiring harness) 1

Brake lamp sensor system coil  
\*2 Only for vehicles with cruise control

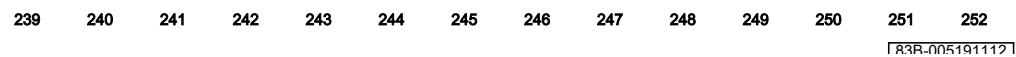
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225 226 227 228 229 230 231 232 233 234 235 236 237 238

[83B-005181117]





Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A1 Positive connection (30a) (in instrument panel wiring harness)

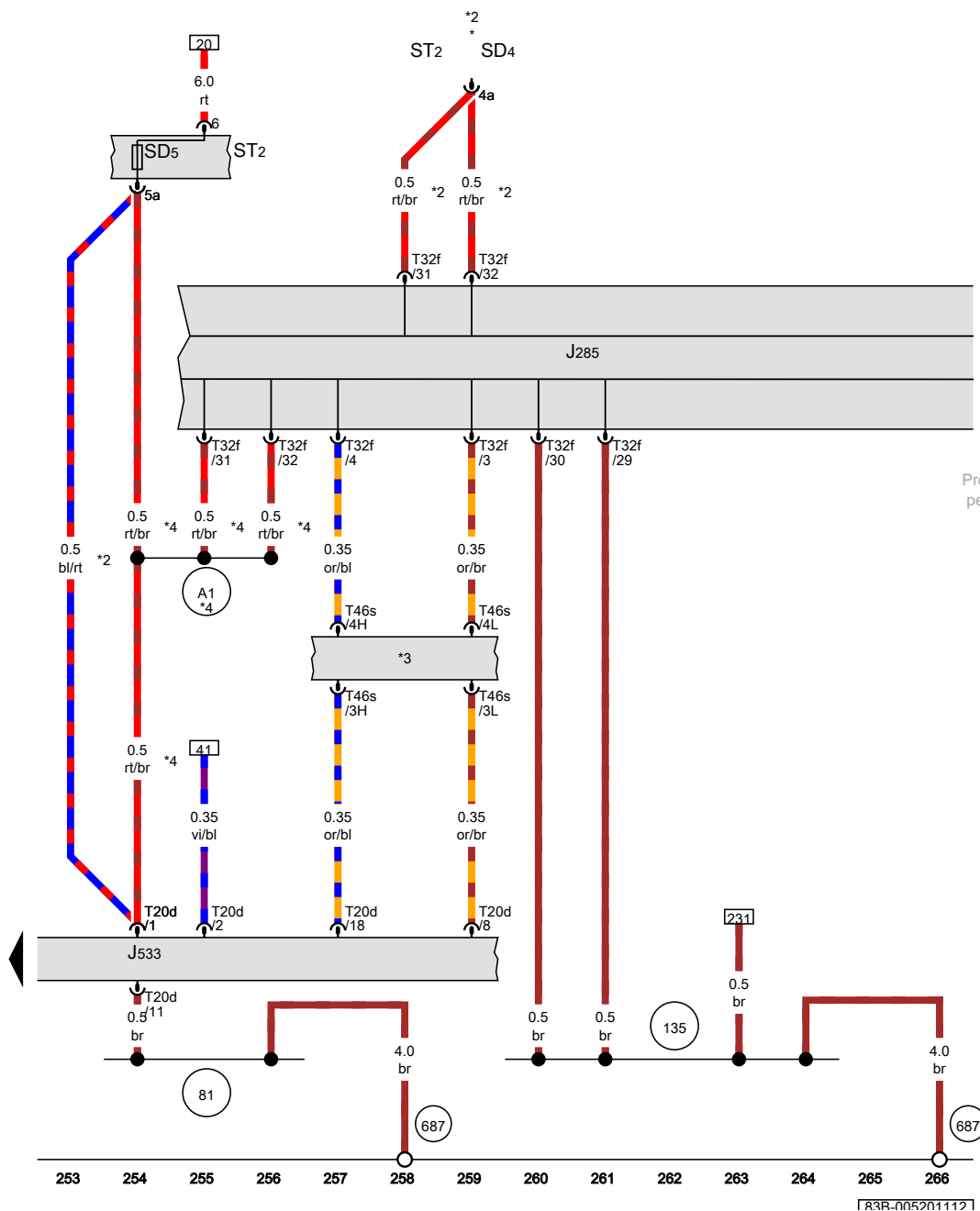
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\* Refer to applicable wiring diagram for fuse positions from May 2009

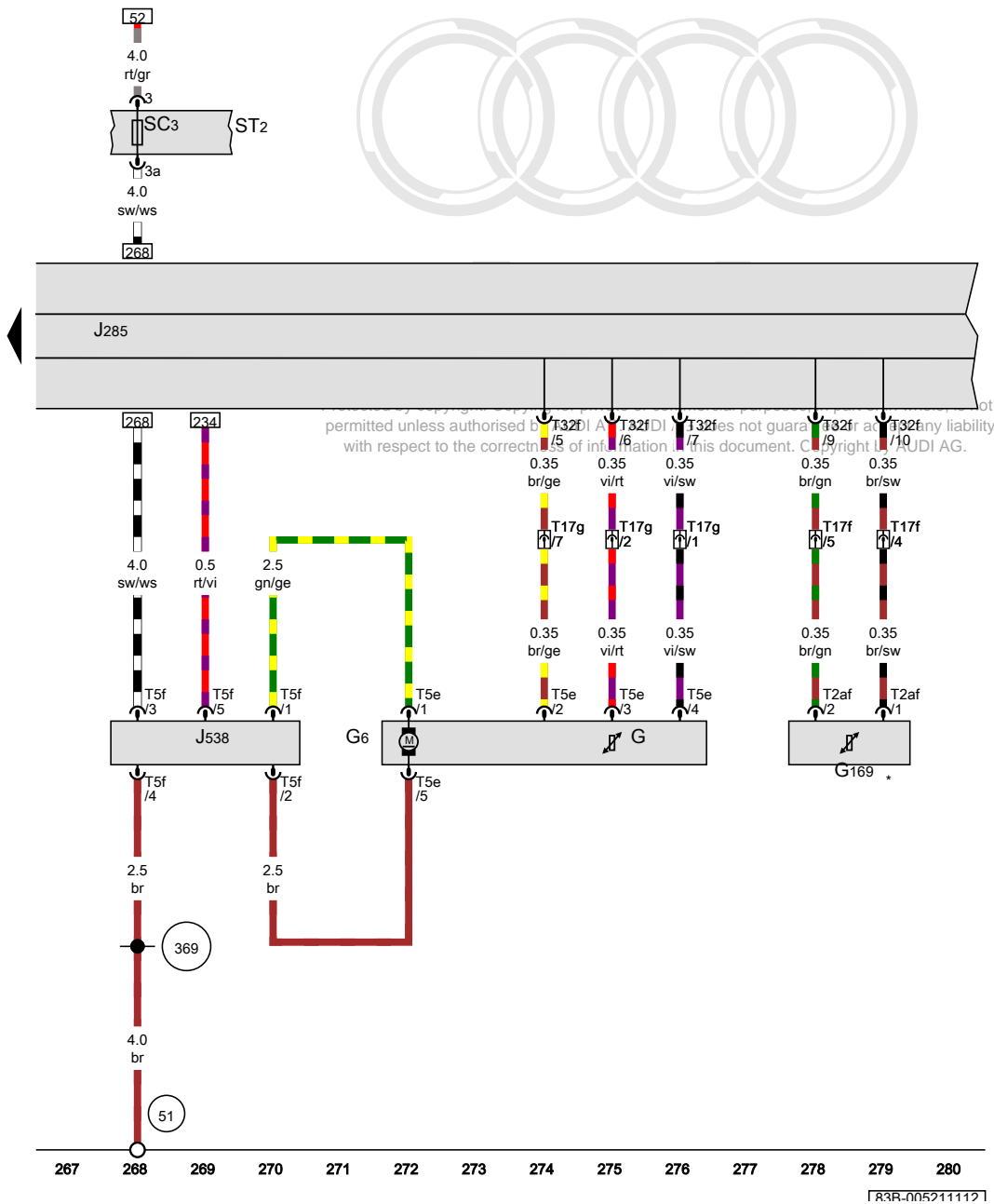
\*2 Refer to applicable wiring diagram through April 2009

\*3

\*4



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Fuel level sensor, Transfer fuel pump, Instrument cluster control module, Fuel pump control module

- G Fuel level sensor
- G6 Transfer fuel pump
- G169 Fuel level sensor 2
- J285 Instrument cluster control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T2af Double connector
- T5e 5-pin connector
- T5f 5-pin connector
- T17f 17-pin connector, brown
- T17g 17-pin connector, black
- T32f 32-pin connector

51 Ground connection in luggage compartment, right

369 Ground connection 4 (in main wiring harness)

\* Only for vehicles with all wheel drive

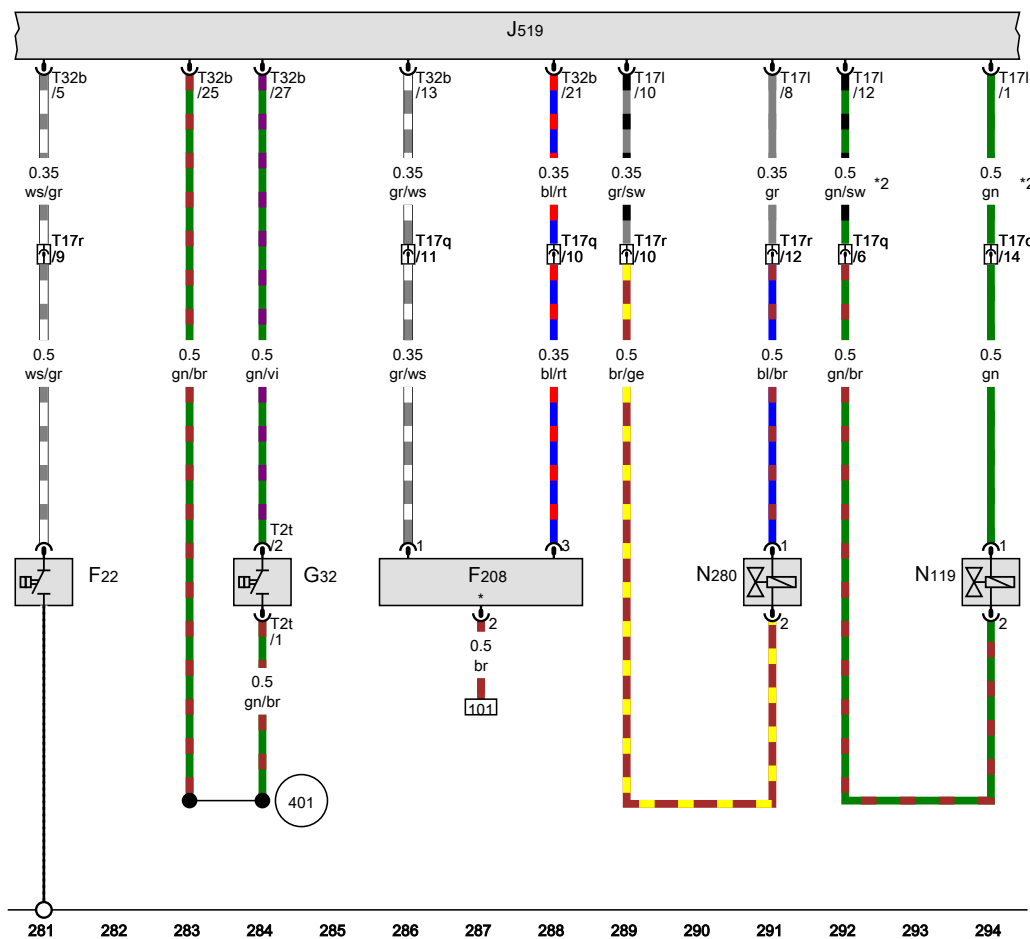
Oil pressure switch, Engine coolant level sensor, Vehicle electrical system control module

- F22 Oil pressure switch
- F208 Transmission range gear recognition switch
- G32 Engine coolant level sensor
- J519 Vehicle electrical system control module
- N119 Servotronic solenoid valve
- N280 A/C compressor regulator valve
- T2t Double connector
- T17l 17-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T32b 32-pin connector

401 Sensor ground connection (in interior wiring harness)

- \* Only for vehicles with a manual transmission
- \*2 Diameter depends on equipment

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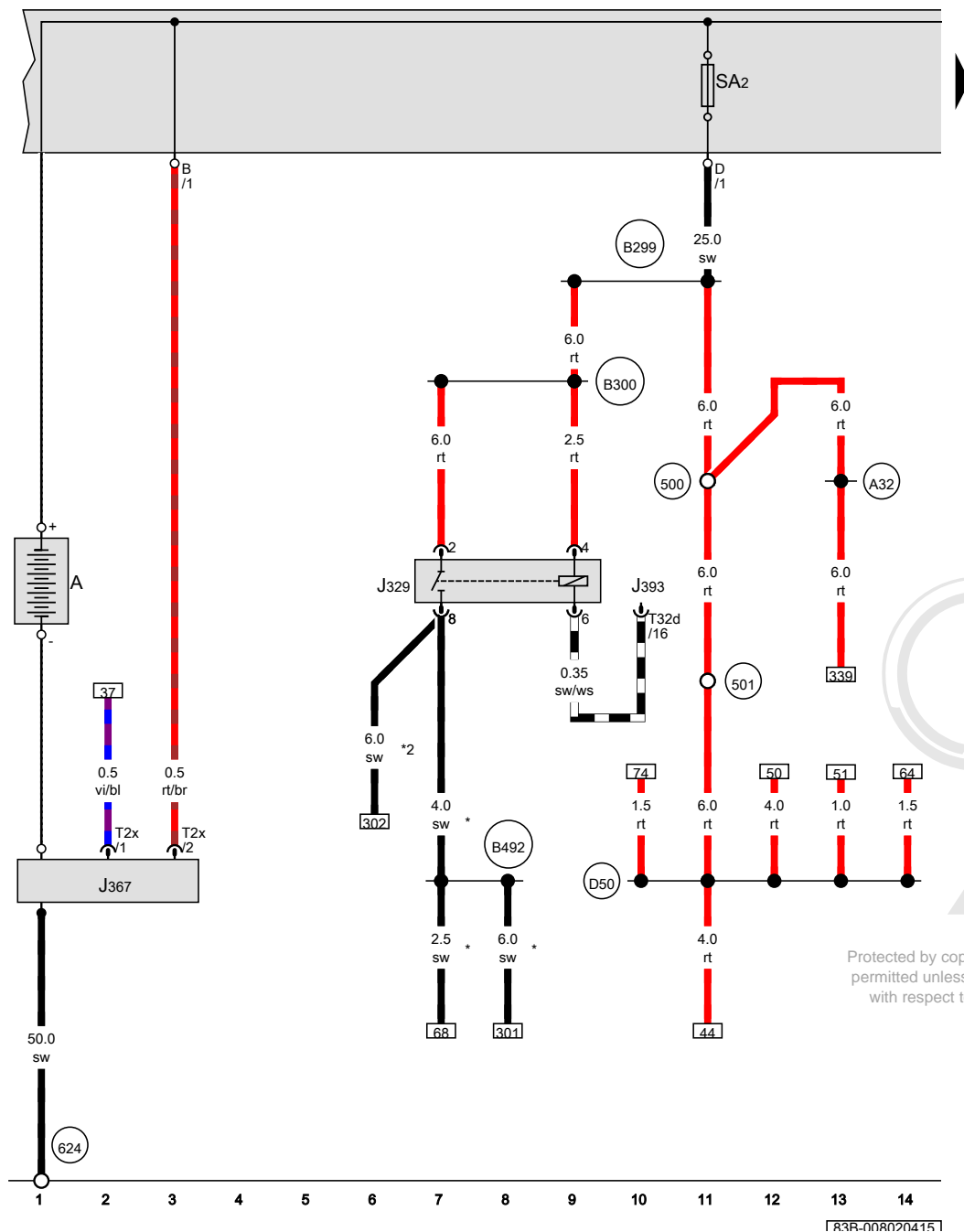


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183B-005221112

**3.2L gasoline engine , CALB**  
from September 2008

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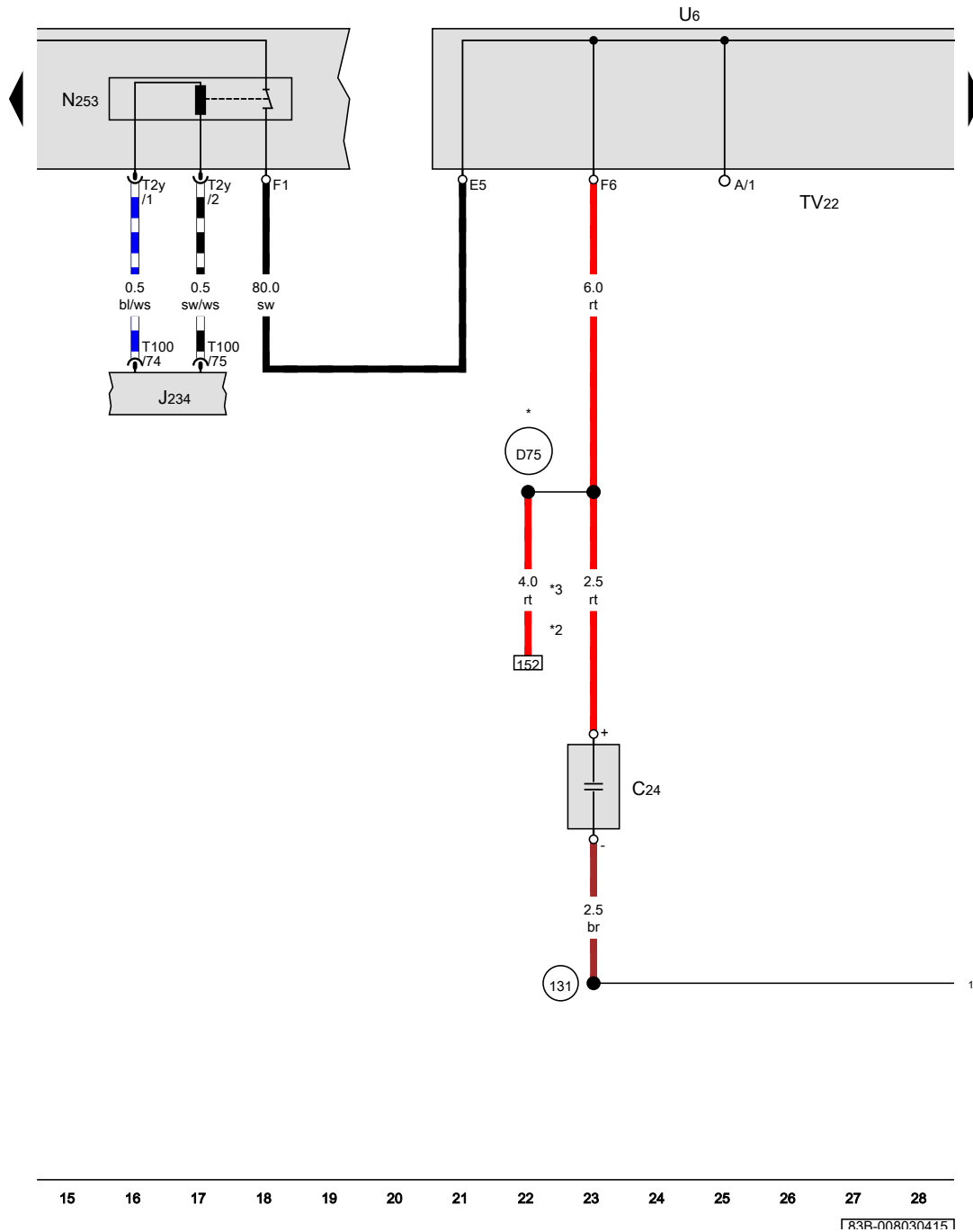
# Battery, Terminal 15 power supply relay

- A Battery
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA2 Fuse 2 (on fuse panel A)
- T2x Double connector
- T32d 32-pin connector
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- 624 Ground connection near starter battery
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- \* through April 2009
- \*2 from May 2009

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183B-0080204151

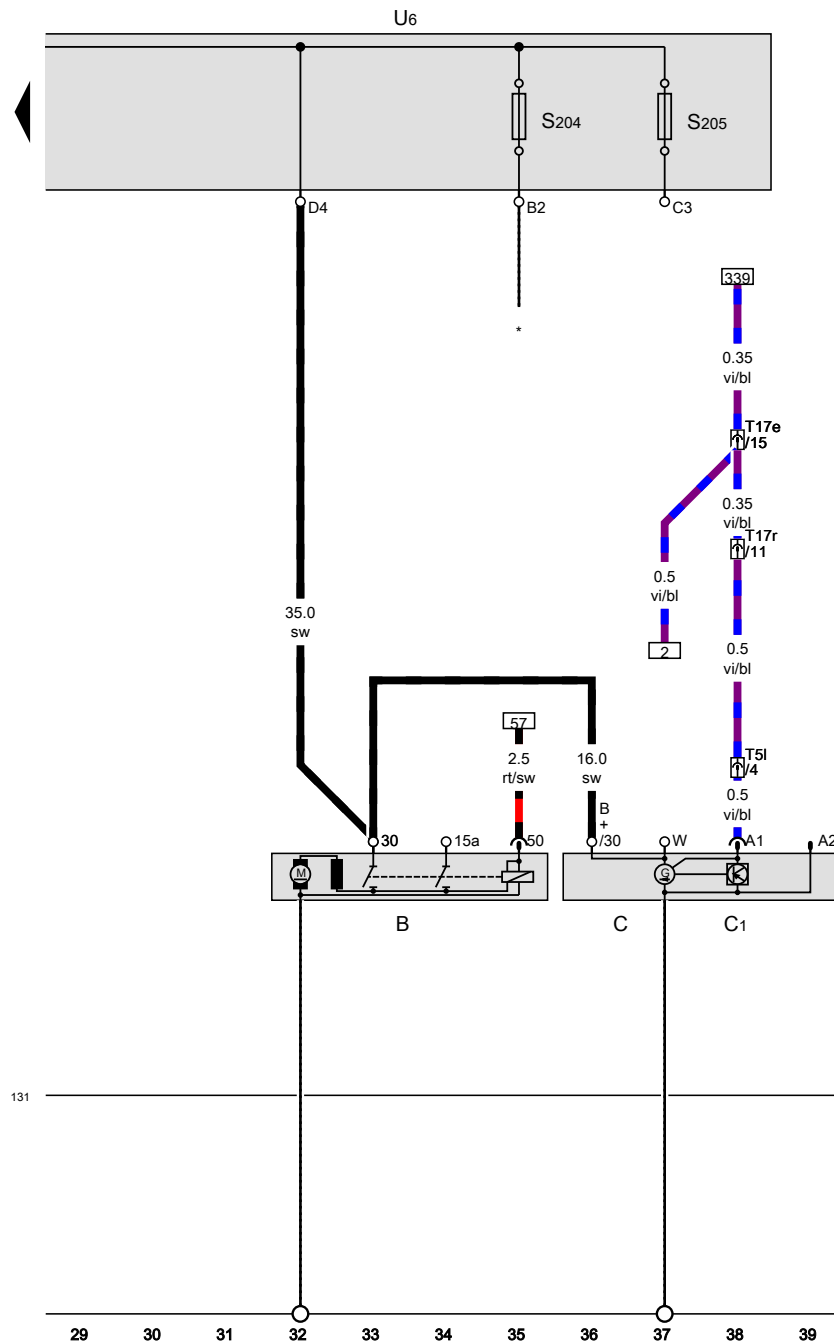


# Battery interrupt igniter, Terminal 30 wire junction 2, Battery jump start terminal

- C24 Suppressor
- J234 Airbag control module
- N253 Battery interrupt igniter
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- U6 Battery jump start terminal
- 131 Ground connection 2 (in engine compartment wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Depending on equipment
- \*2 4.0 diameter possible
- \*3 Omitted as a running change

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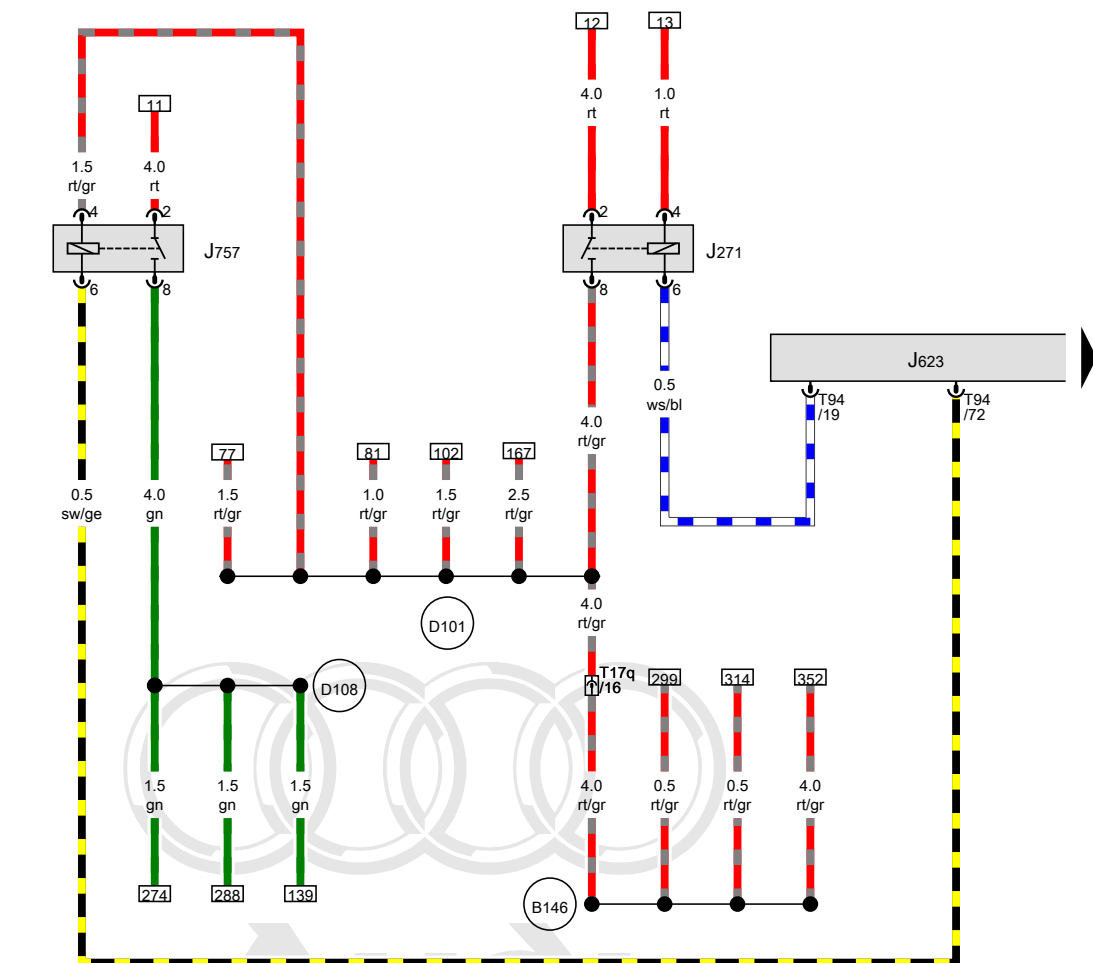
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or = orange  
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183B-0080404151

Motronic engine control module power supply relay, Engine control module, Engine component power supply relay

- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T94 94-pin connector
- 131 Ground connection 2 (in engine compartment wiring harness)
- B146 Positive connection 1 (87) (in interior wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D108 Connection 6 (in engine compartment wiring harness)

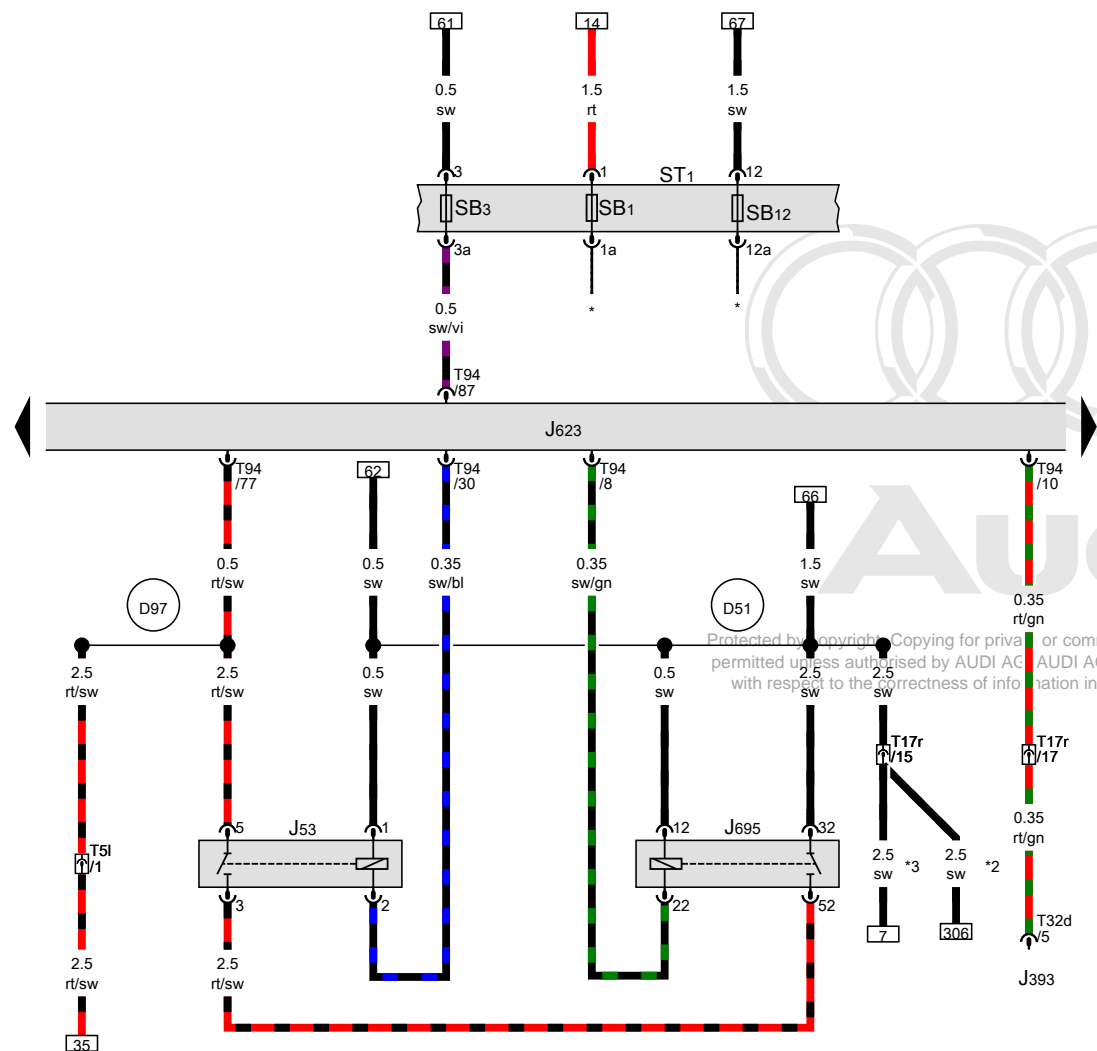


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183B-008050415





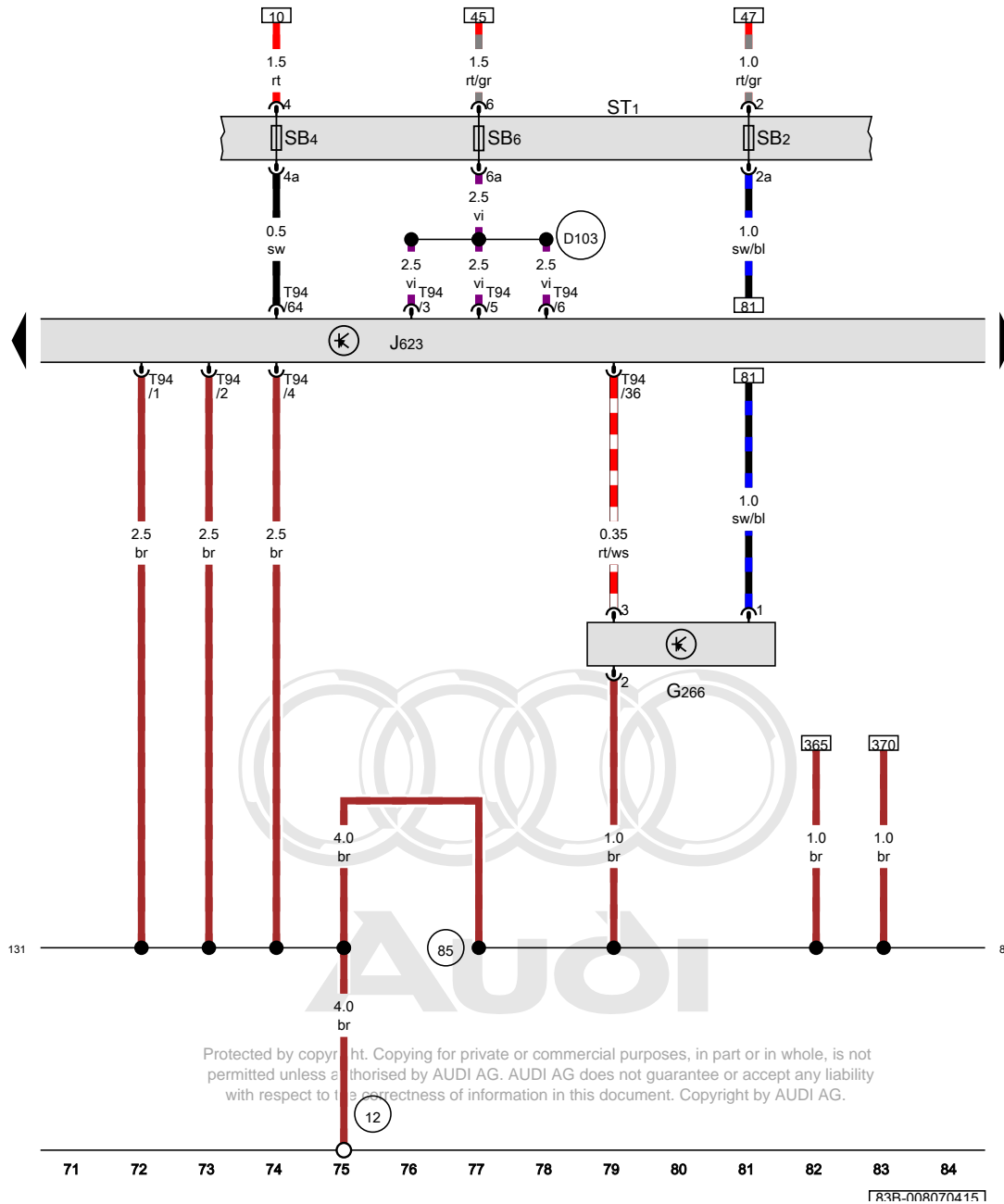
# Starter relay, Engine control module, Relay 2 for starter, Fuse panel 1

- J53 Starter relay
- J393 Comfort system central control module
- J623 Engine control module
- J695 Relay 2 for starter
- ST1 Fuse panel 1
- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T51 5-pin connector, in the engine compartment
- T17r 17-pin connector, white
- T32d 32-pin connector
- T94 94-pin connector
- 131 Ground connection 2 (in engine compartment wiring harness)
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)

\* Refer to applicable wiring diagram for automatic transmission from May 2009 through April 2009

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- rs = pink

Oil level thermal sensor, Engine control module, Fuse panel 1

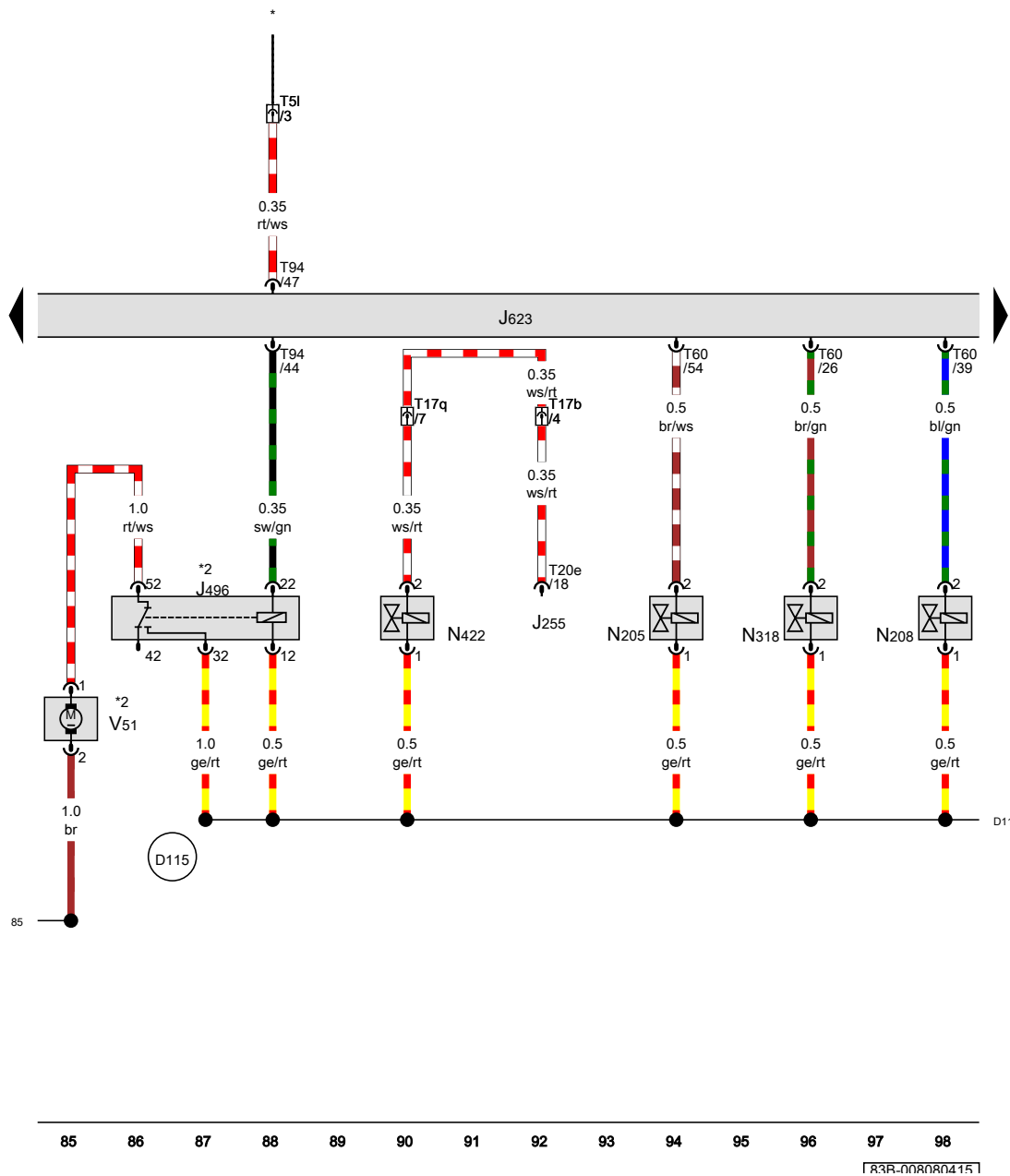


- G266 Oil level thermal sensor
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- T94 94-pin connector
- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 131 Ground connection 2 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)

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

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183B-008070415



Engine control module, Camshaft adjustment valve 1, Exhaust camshaft adjustment valve 1, Climatronic coolant shut-off valve, After-run coolant pump

- |      |  |
|------|--|
| J255 | Climatronic control module                 |
| J496 | Auxiliary engine coolant pump relay        |
| J623 | Engine control module                      |
| N205 | Camshaft adjustment valve 1                |
| N208 | Camshaft adjustment valve 2                |
| N318 | Exhaust camshaft adjustment valve 1        |
| N422 | Climatronic coolant shut-off valve         |
| T51  | 5-pin connector, in the engine compartment |
| T17b | 17-pin connector, blue                     |
| T17q | 17-pin connector, red                      |
| T20e | 20-pin connector                           |
| T60  | 60-pin connector                           |
| T94  | 94-pin connector                           |
| V51  | After-run coolant pump                     |

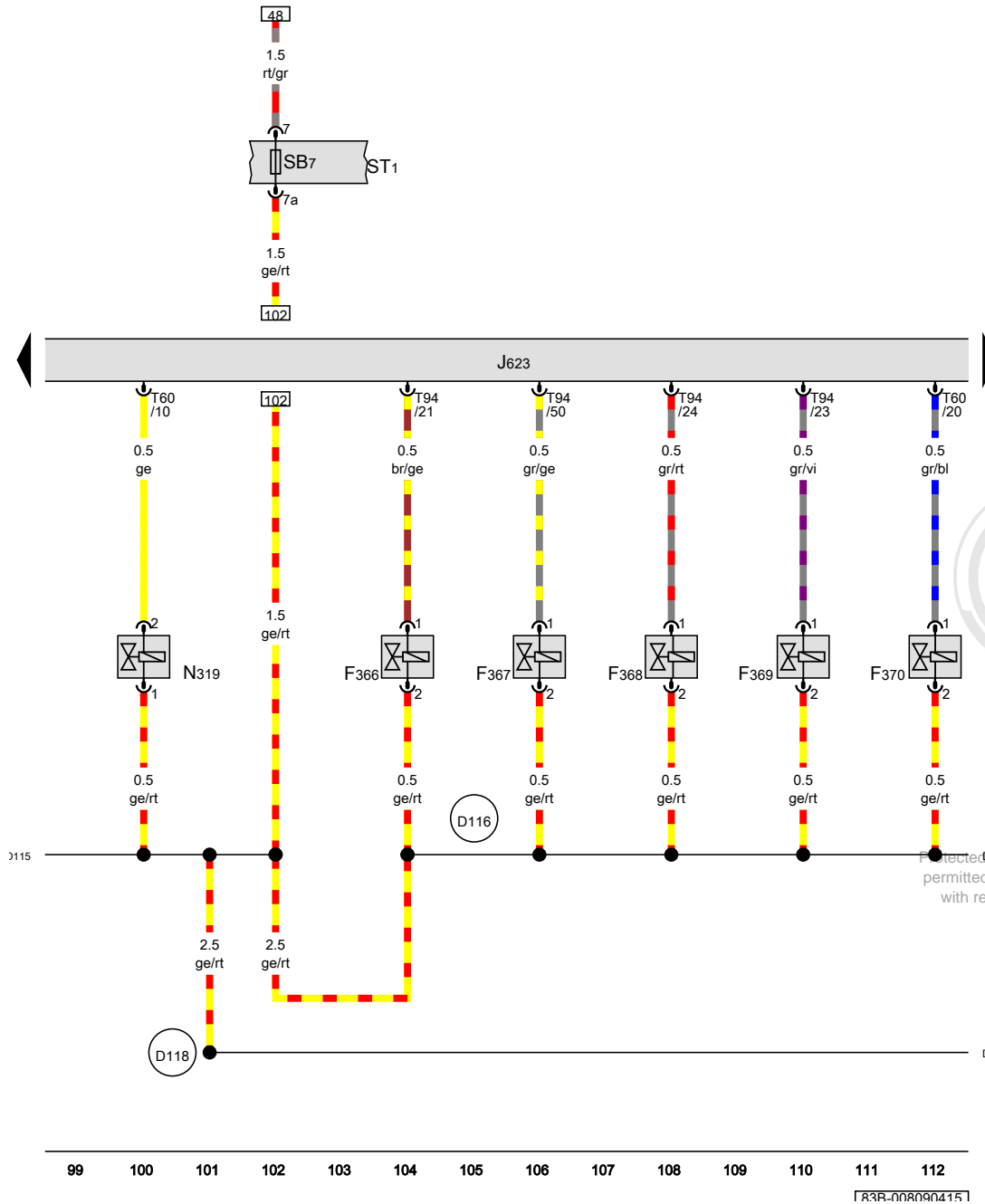
- (85) Ground connection 1 (in engine compartment wiring harness)

- (D115) Connection 13 (in engine compartment wiring harness)

- \* Refer to applicable coolant fan wiring diagram  
\*2 Only for countries with hot climates

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# Cam adjustment actuator 1, Engine control module, Exhaust camshaft adjustment valve 2

- 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
- J623 Engine control module
- N319 Exhaust camshaft adjustment valve 2
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- T60 60-pin connector
- T94 94-pin connector

- D115 Connection 13 (in engine compartment wiring harness)
- D116 Connection 14 (in engine compartment wiring harness)
- D118 Connection 16 (in engine compartment wiring harness)

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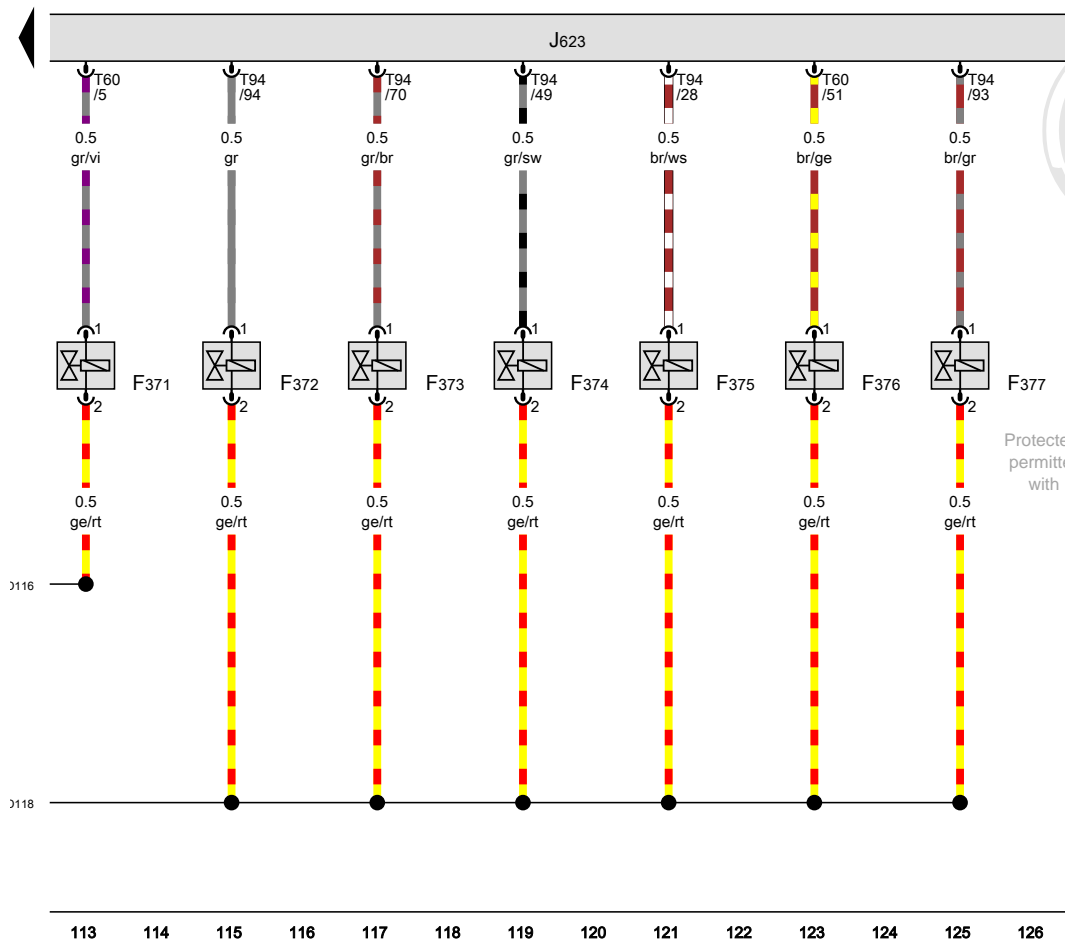
183B-008090415

Cam adjustment actuator 6, Cam adjustment actuator 7,  
Cam adjustment actuator 8, Engine control module

- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- F374 Cam adjustment actuator 9
- F375 Cam adjustment actuator 10
- F376 Cam adjustment actuator 11
- F377 Cam adjustment actuator 12
- J623 Engine control module
- T60 60-pin connector
- T94 94-pin connector

D116 Connection 14 (in engine compartment wiring harness)

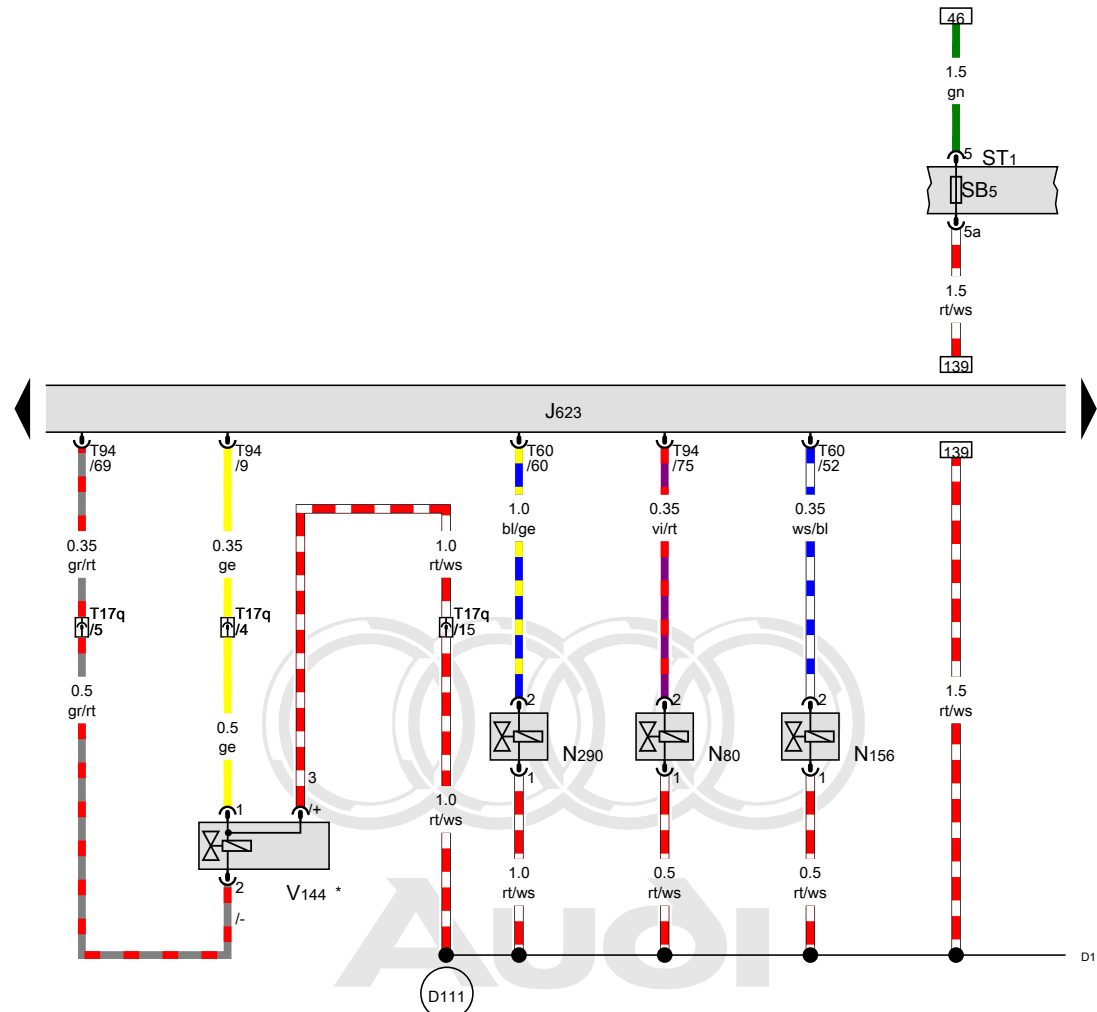
D118 Connection 16 (in engine compartment wiring harness)



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- vi = lilac
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- or = orange
- rs = pink

[83B-008100415]



Engine control module, EVAP canister purge regulator valve 1, Intake manifold tuning valve, Fuel metering valve, Leak detection pump

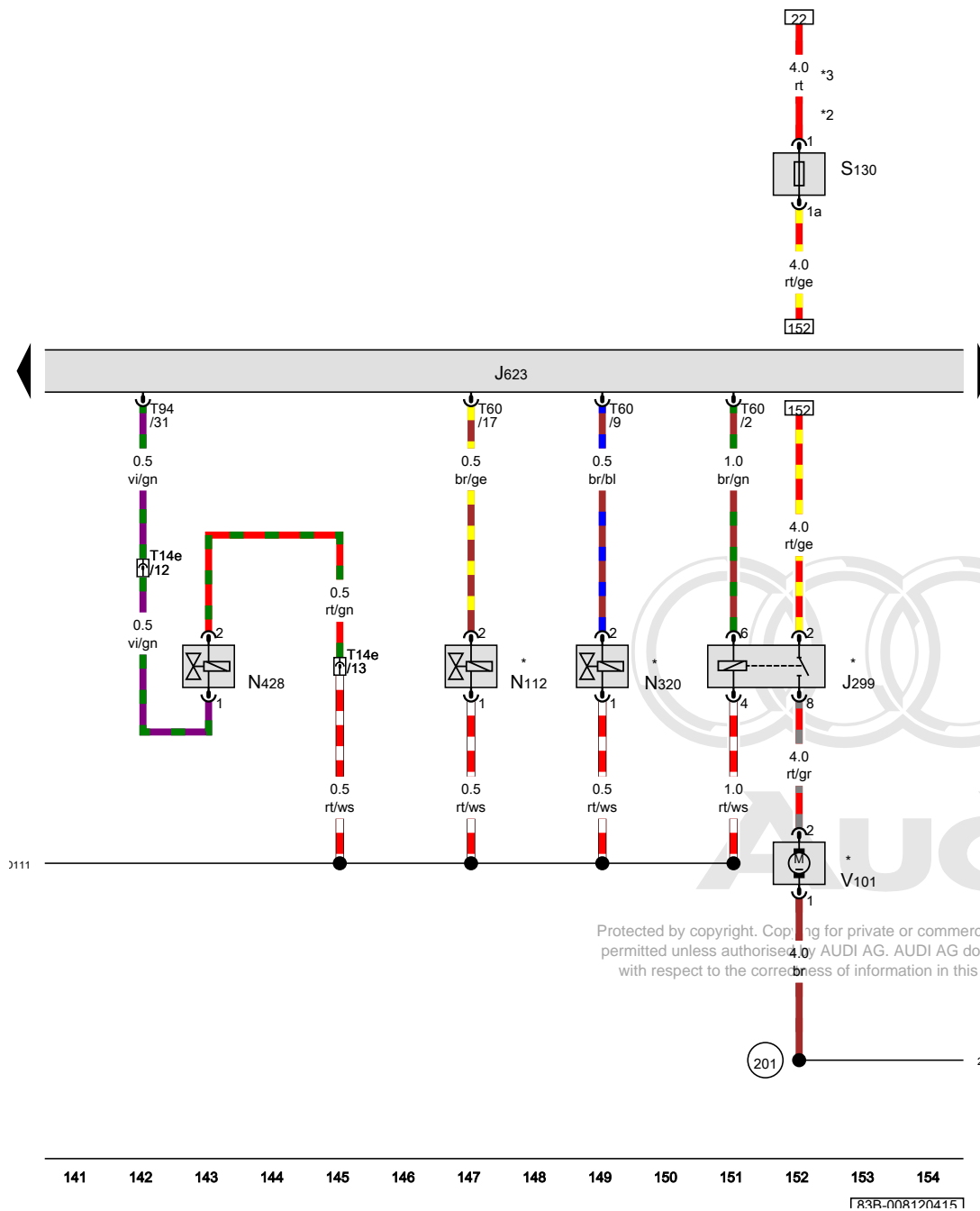
- J623 Engine control module
- N80 EVAP canister purge regulator valve 1
- N156 Intake manifold tuning valve
- N290 Fuel metering valve
- ST1 Fuse panel 1
- SB5 Fuse 5 (on fuse panel B)
- T17q 17-pin connector, red
- T60 60-pin connector
- T94 94-pin connector
- V144 Leak detection pump
- D111 Connection 9 (in engine compartment wiring harness)
- \* USA only

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127 128 129 130 131 132 133 134 135 136 137 138 139 140

[A3B-00R110415]



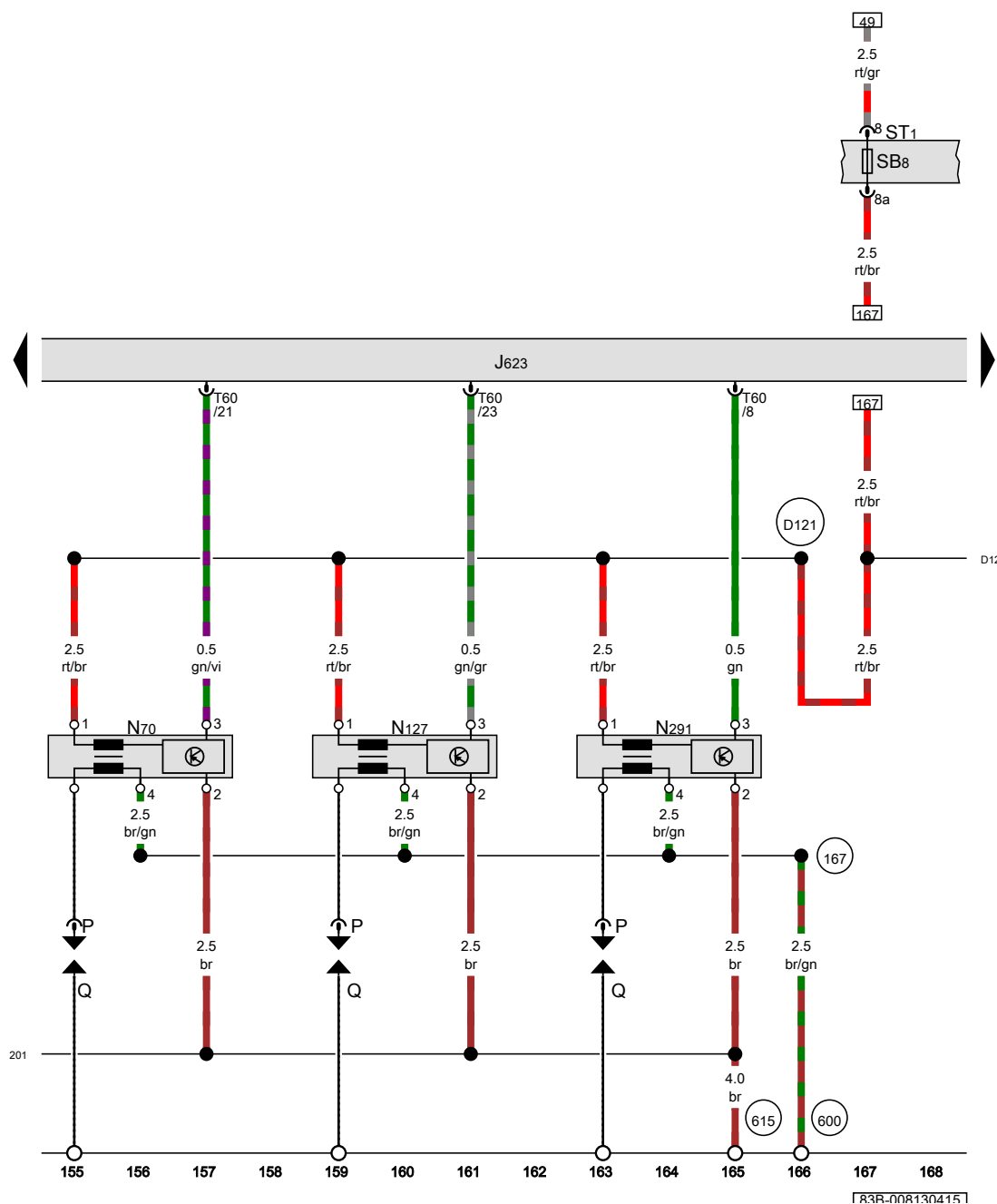
Engine control module, Secondary air injection solenoid valve, Oil pressure regulation valve, Secondary air injection pump motor

- J299 Secondary air injection pump relay
- J623 Engine control module
- N112 Secondary air injection solenoid valve
- N320 Secondary air injection solenoid valve 2
- N428 Oil pressure regulation valve
- S130 Secondary air injection fuse
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector
- T94 94-pin connector
- V101 Secondary air injection pump motor

201 Ground connection 5 (in engine compartment wiring harness)

D111 Connection 9 (in engine compartment wiring harness)

- \* Depending on equipment
- \*2 4.0 diameter possible
- \*3 Omitted as a running change



Engine control module, Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 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
- ST1 Fuse panel 1
- SB8 Fuse 8 (on fuse panel B)
- T60 60-pin connector

- 167 Ground connection 4 (in engine compartment wiring harness)
- 201 Ground connection 5 (in engine compartment wiring harness)
- 600 Ground connection on cylinder head, right
- 615 Ground connection on left strut
- D121 Connection 19 (in engine compartment wiring harness)
- D122 Connection 20 (in engine compartment wiring harness)

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- br = brown
- gn = green
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- vi = lilac
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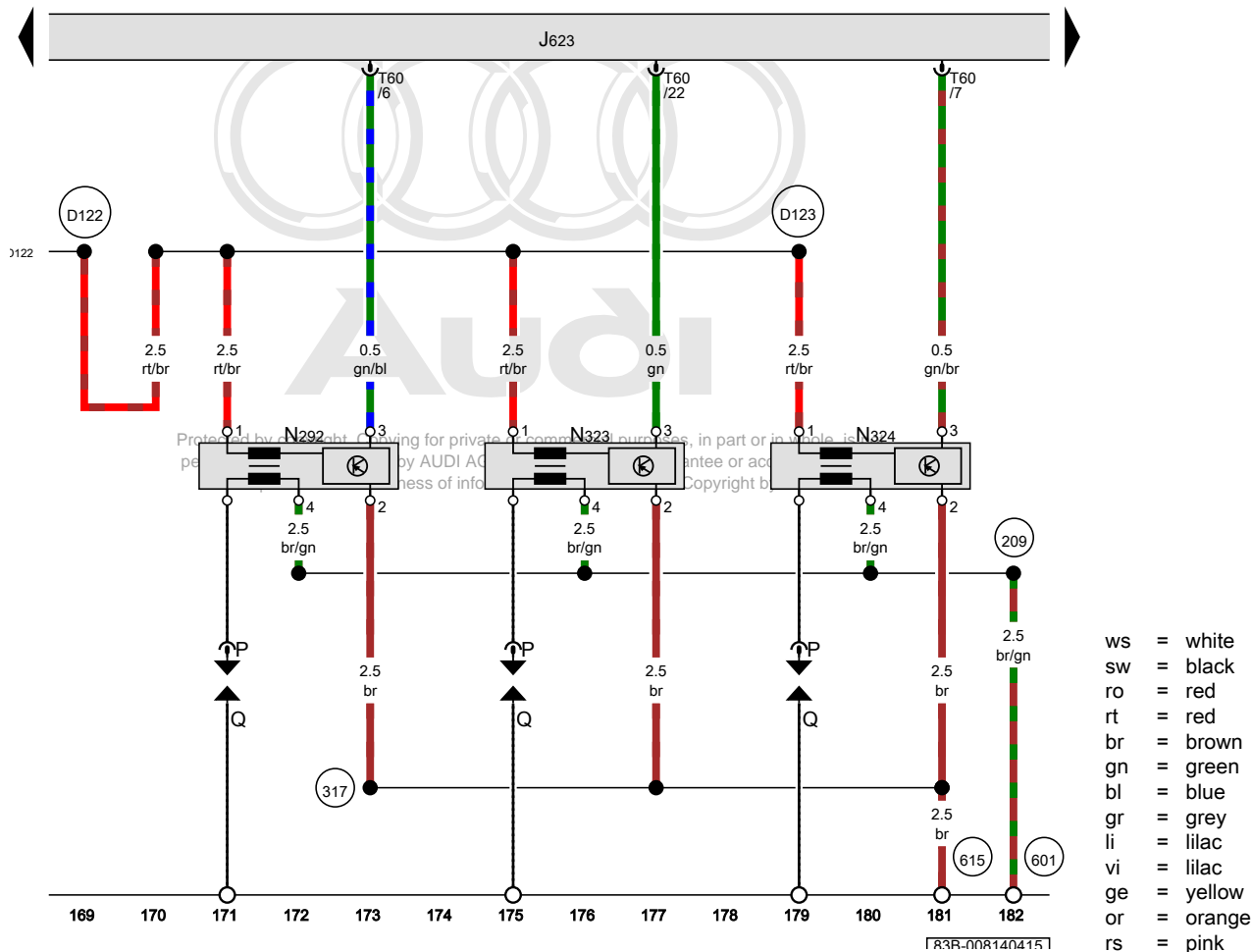
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Engine control module, Ignition coil 4 with power output stage, Ignition coil 5 with power output stage, Ignition coil 6 with power output stage

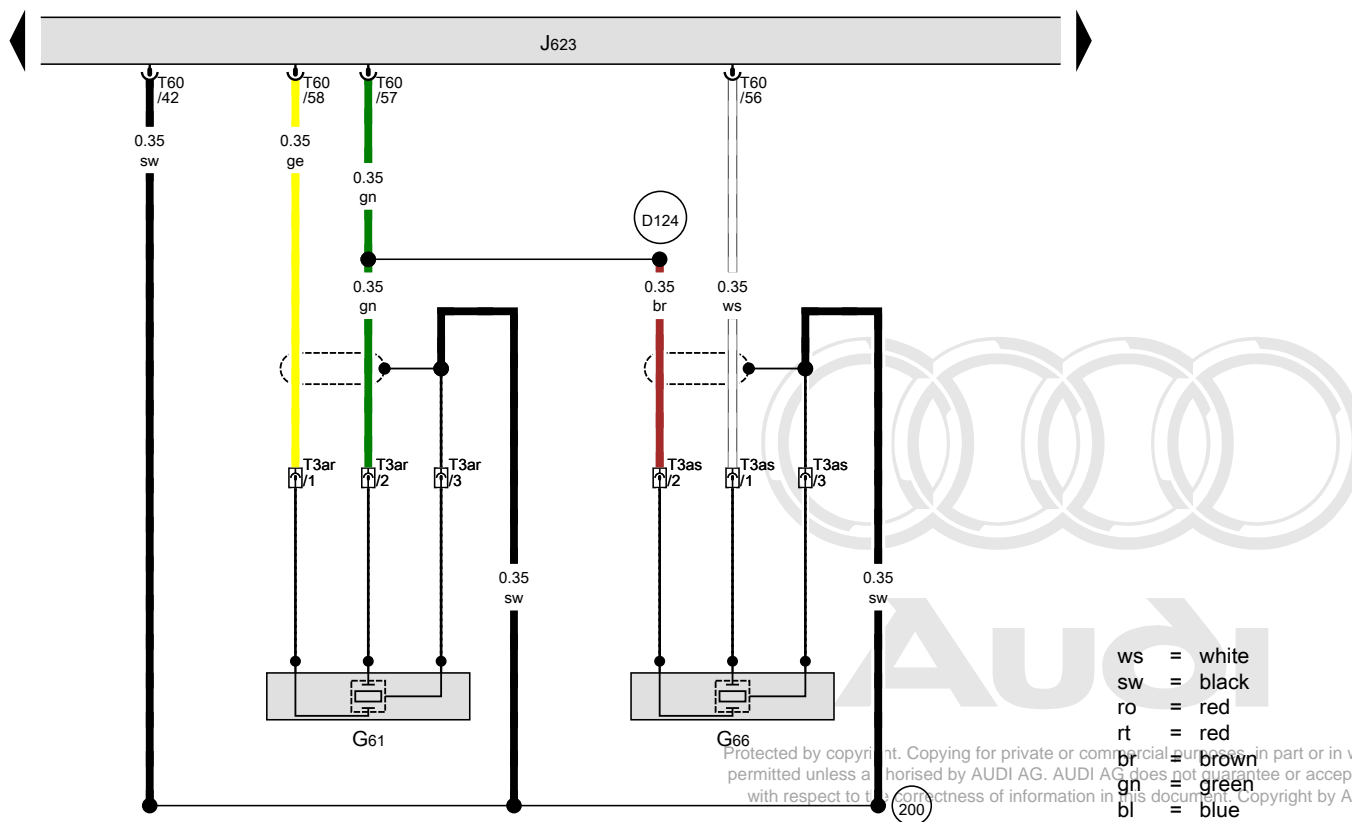
J623 Engine control module  
N292 Ignition coil 4 with power output stage  
N323 Ignition coil 5 with power output stage  
N324 Ignition coil 6 with power output stage  
P Spark plug connectors  
Q Spark plugs  
T60 60-pin connector

209 Ground connection 6 (in engine compartment wiring harness)  
317 Ground connection 7 (in engine compartment wiring harness)  
601 Ground connection on cylinder head, left  
615 Ground connection on left strut  
D122 Connection 20 (in engine compartment wiring harness)  
D123 Connection 21 (in engine compartment wiring harness)



Knock sensor 1, Knock sensor 2, Engine control module

- G61 Knock sensor 1
- G66 Knock sensor 2
- J623 Engine control module
- T3ar 3-pin connector, green
- T3as 3-pin connector, gray
- T60 60-pin connector
- 200 Ground connection shielding (in engine compartment wiring harness)
- D124 Connection 22 (in engine compartment wiring harness)



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- br = brown
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- bl = blue
- gr = grey
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- or = orange
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183 184 185 186 187 188 189 190 191 192 193 194 195 196

[A3B-00R150415]

Engine speed sensor, Engine coolant temperature sensor, Low fuel pressure sensor, Throttle valve control module, Engine control module

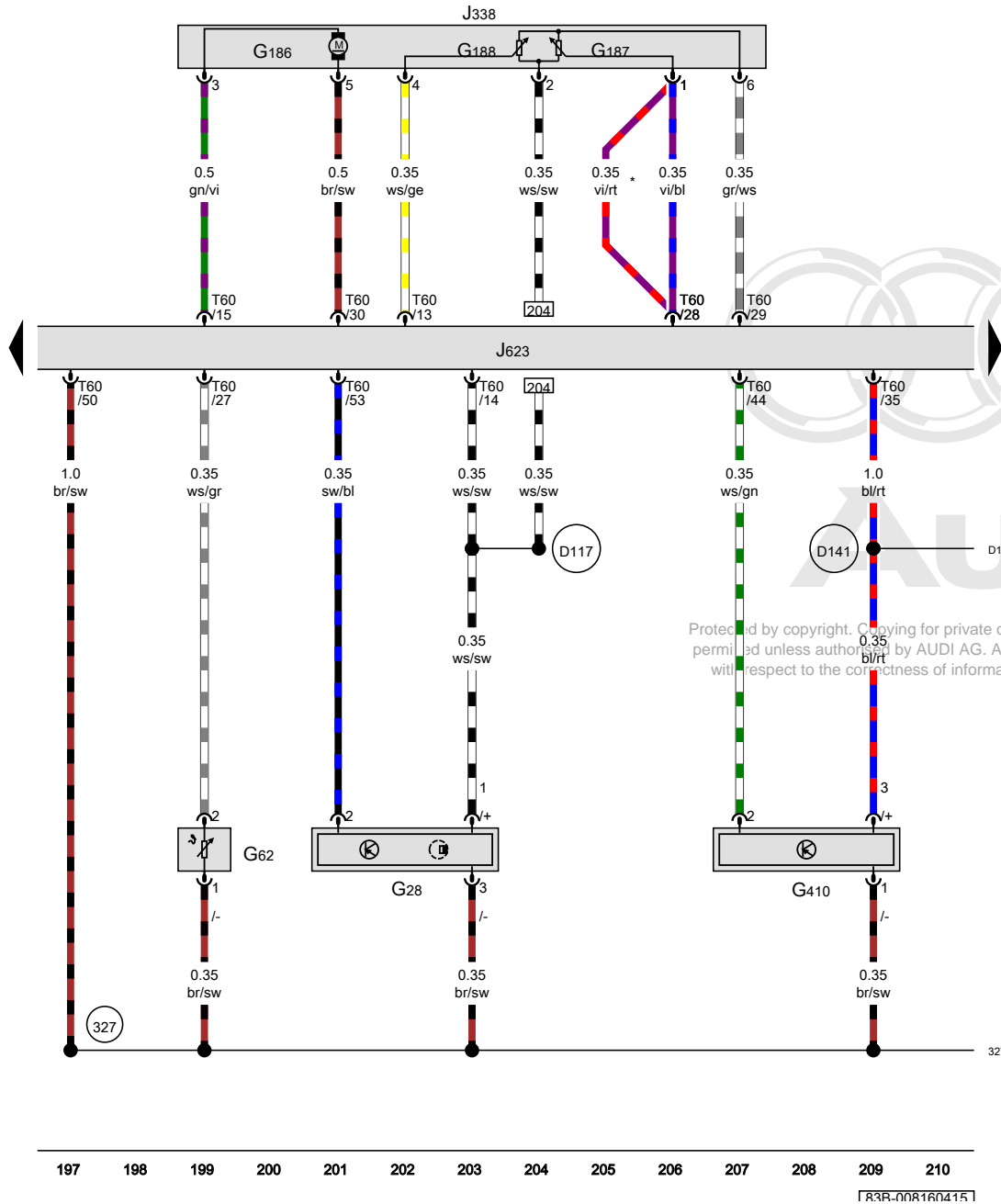
- G28 Engine speed sensor
- G62 Engine coolant temperature sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G410 Low fuel pressure sensor
- J338 Throttle valve control module
- J623 Engine control module
- T60 60-pin connector

327 Sensor ground connection (in engine compartment wiring harness)

D117 Connection 15 (in engine compartment wiring harness)

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

\* Omitted as a running change



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- vi = lilac
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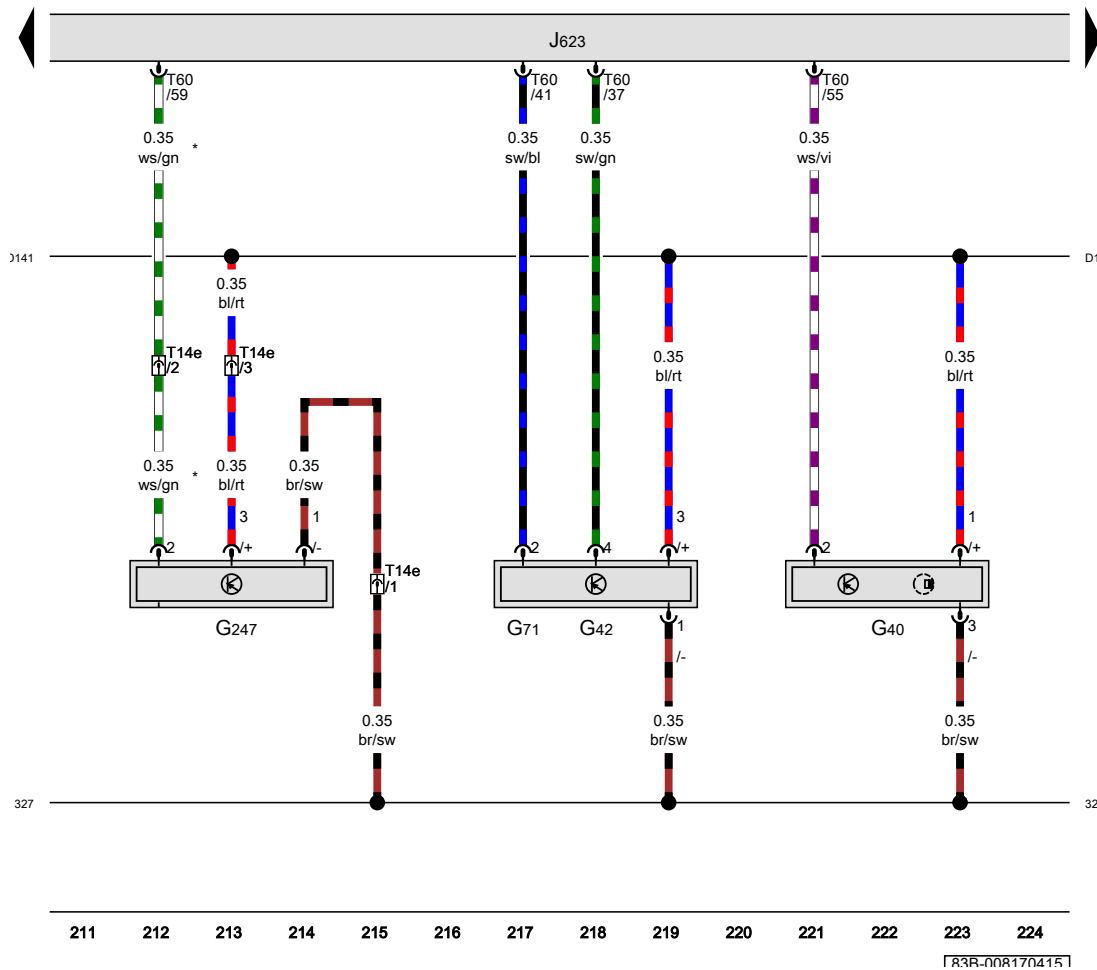
Camshaft position sensor, Intake air temperature sensor, Fuel pressure sensor, Engine control module

- G40 Camshaft position sensor
- G42 Intake air temperature sensor
- G71 Manifold absolute pressure sensor
- G247 Fuel pressure sensor
- J623 Engine control module
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector

327 Sensor ground connection (in engine compartment wiring harness)

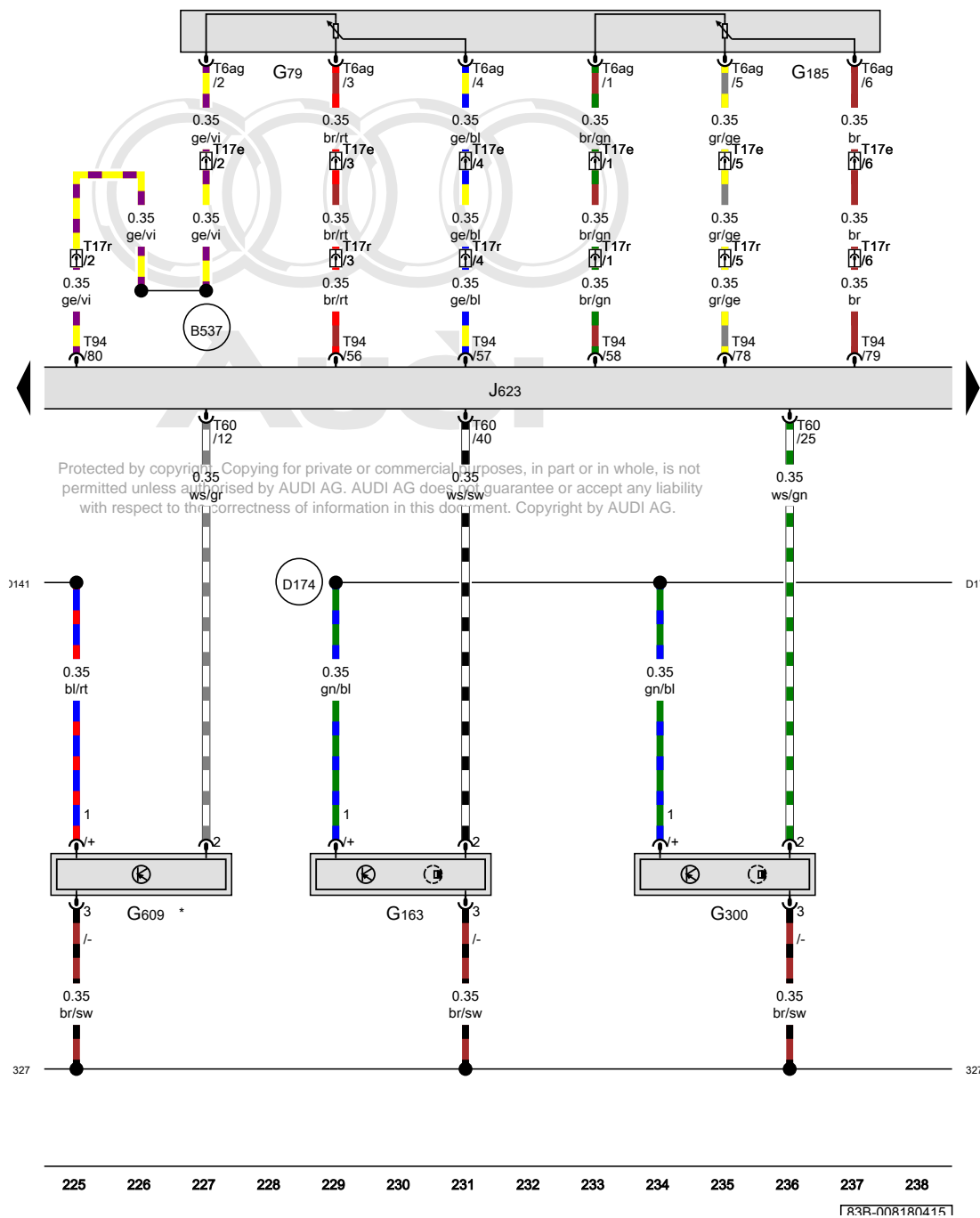
D141 Connection 5V (in engine pre-wiring harness)

\* The color of the wires depends on vehicle equipment



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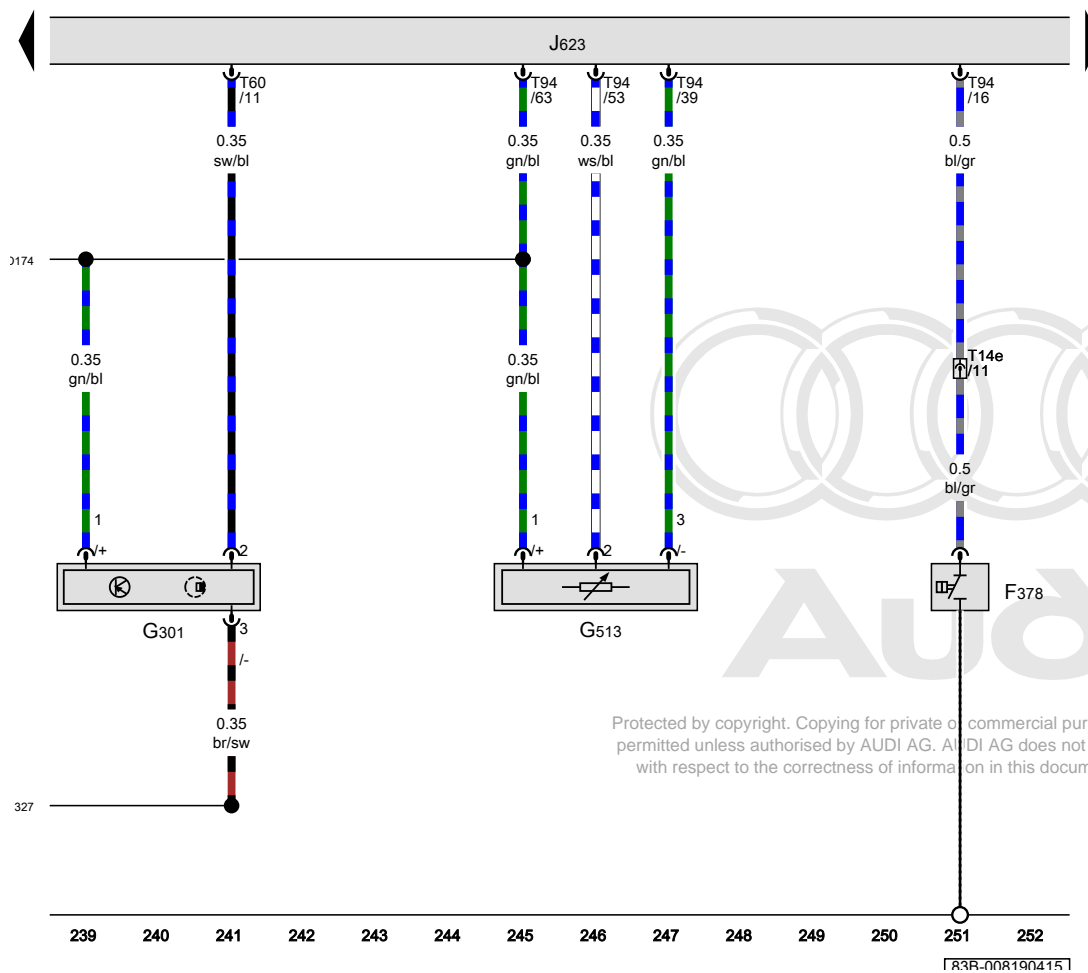
Accelerator pedal position sensor, Camshaft position sensor 2, Accelerator pedal position sensor 2, Camshaft position sensor 3, Secondary air injection sensor 1, Engine control module

- G79 Accelerator pedal position sensor
- G163 Camshaft position sensor 2
- G185 Accelerator pedal position sensor 2
- G300 Camshaft position sensor 3
- G609 Secondary air injection sensor 1
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T60 60-pin connector
- T94 94-pin connector
- 327 Sensor ground connection (in engine compartment wiring harness)
- B537 Connection 28 (in main wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)
- \* Depending on equipment

Reduced oil pressure switch, Camshaft position sensor 4, Intake manifold tuning valve position sensor, Engine control module

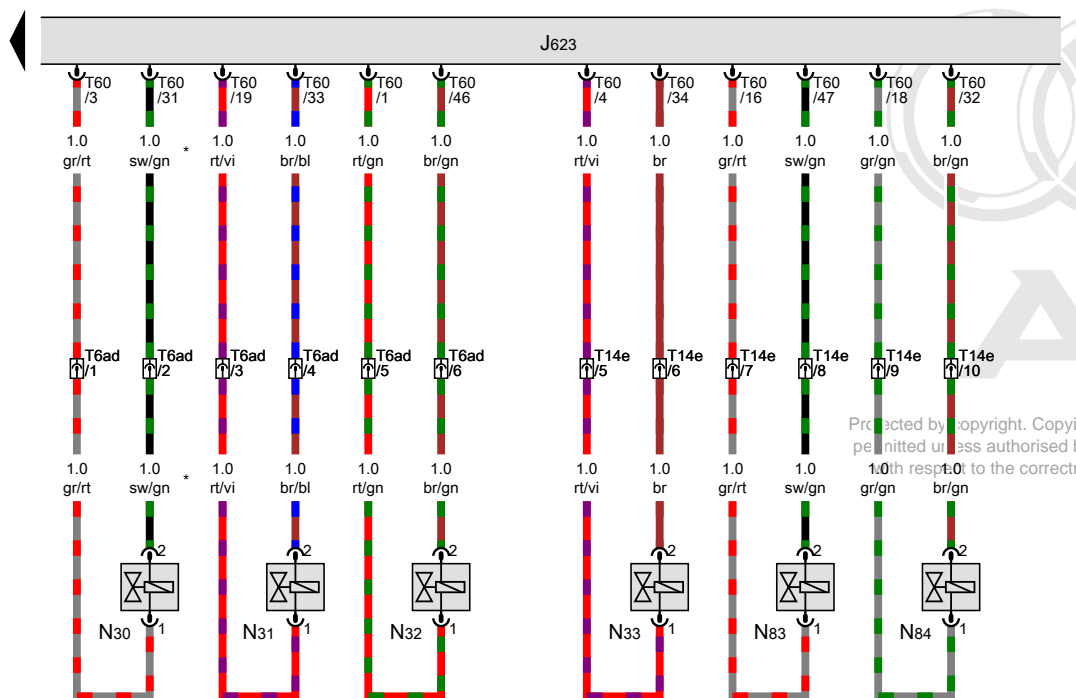
- F378 Reduced oil pressure switch
- G301 Camshaft position sensor 4
- G513 Intake manifold tuning valve position sensor
- J623 Engine control module
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector
- T94 94-pin connector

- 327 Sensor ground connection (in engine compartment wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)



Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Cylinder 5 fuel injector, Cylinder 6 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
- N84 Cylinder 6 fuel injector
- T6ad 6-pin connector, in the engine compartment, right
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector
- \* The color of the wires depends on vehicle equipment



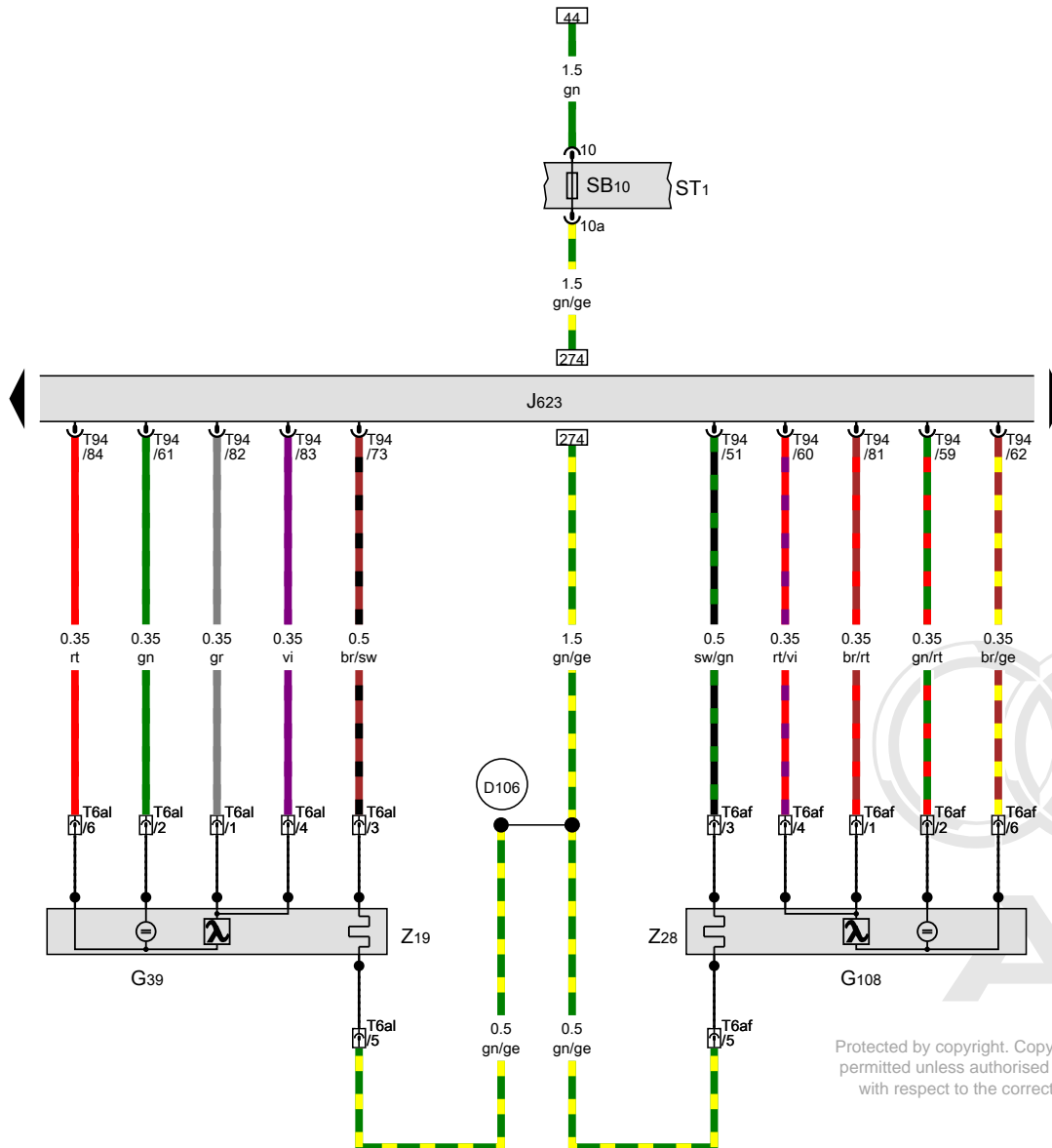
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Heated oxygen sensor, Heated oxygen sensor 2, Engine control module

- G39 Heated oxygen sensor
- G108 Heated oxygen sensor 2
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T6af 6-pin connector, black
- T6al 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z28 Oxygen sensor 2 heater

D106 Connection 4 (in engine compartment wiring harness)



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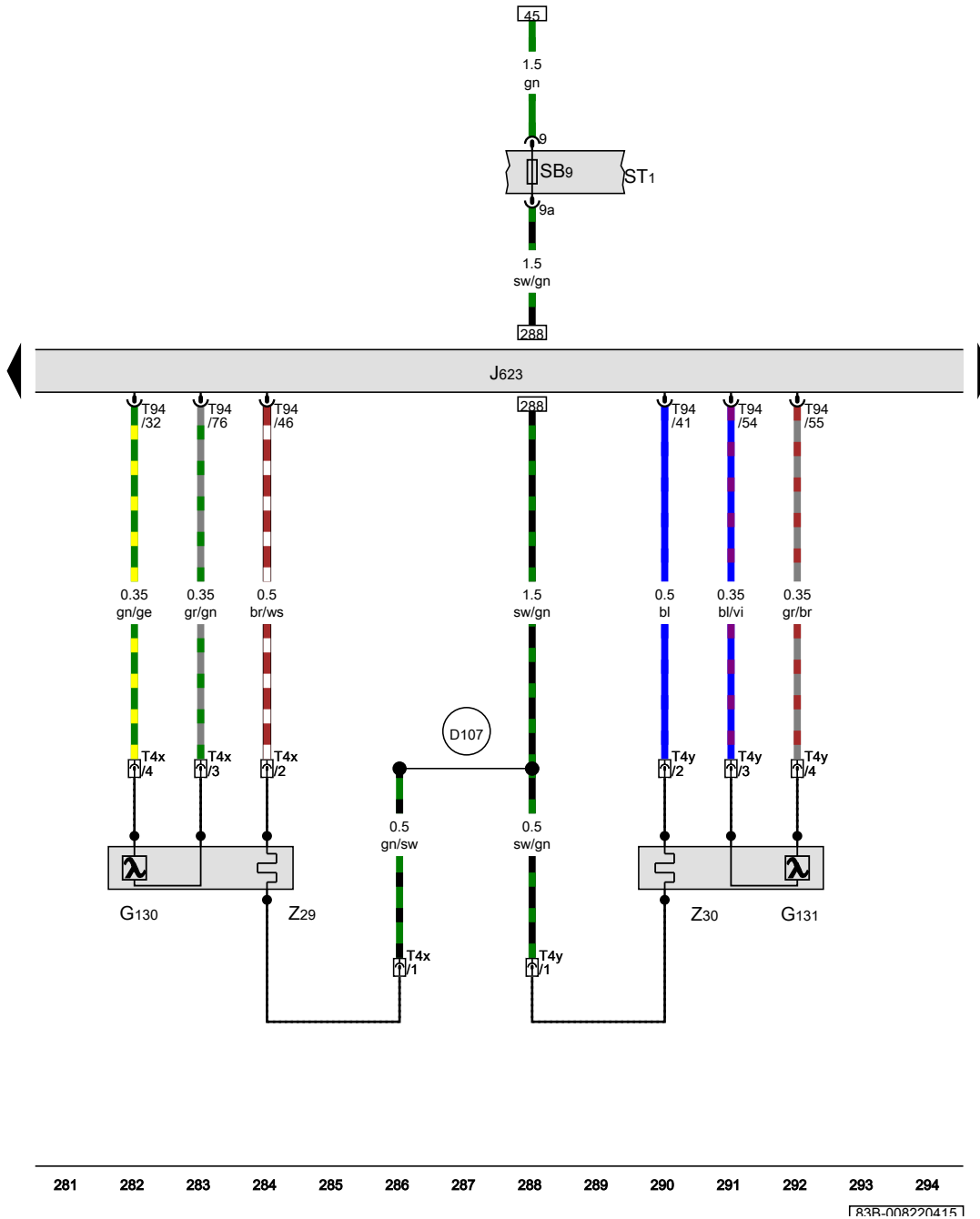
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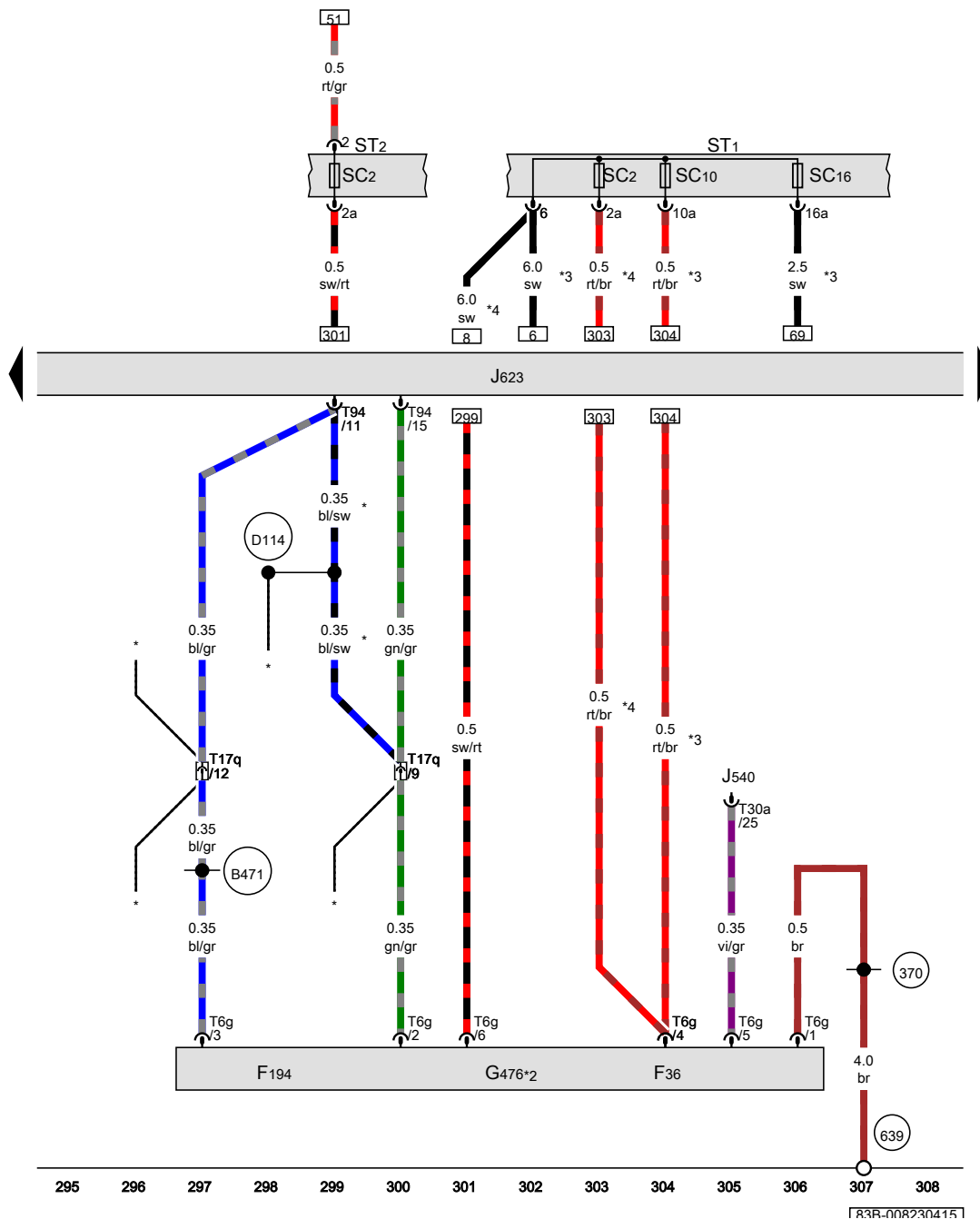
Oxygen sensor after three way catalytic converter, Oxygen sensor 2 after catalytic converter, Engine control module

- G130 Oxygen sensor after three way catalytic converter
- G131 Oxygen sensor 2 after catalytic converter
- J623 Engine control module
- ST1 Fuse panel 1
- SB9 Fuse 9 (on fuse panel B)
- T4x 4-pin connector, black
- T4y 4-pin connector, brown
- T94 94-pin connector
- Z29 Heater for oxygen sensor 1 after catalytic converter
- Z30 Heater for oxygen sensor 2 after catalytic converter
- D107 Connection 5 (in engine compartment wiring harness)



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# Clutch position sensor, Engine control module

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- ST1 Fuse panel 1
- SC2 Fuse 2 (on fuse panel C)
- ST2 Fuse panel 2
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T6g 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T94 94-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- \* Only for vehicles with automatic transmission
- \*2 Only for vehicles with a manual transmission
- \*3 from May 2009
- \*4 through April 2009

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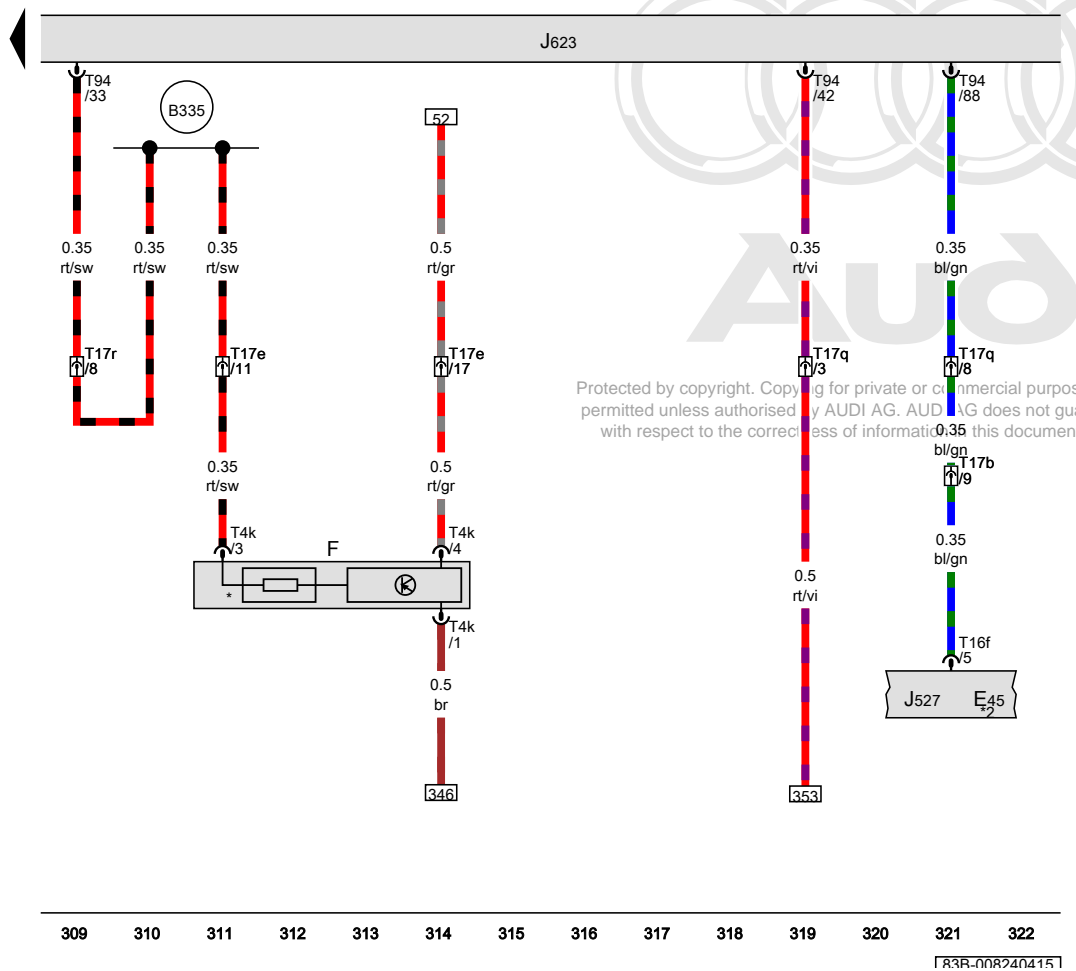
- ws = white
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**Brake lamp switch, Engine control module**

- |      |  |
|------|--|
| E45  | Cruise control switch                      |
| F    | Brake lamp switch                          |
| J527 | Steering column electronics control module |
| J623 | Engine control module                      |
| T4k  | 4-pin connector                            |
| T16f | 16-pin connector                           |
| T17b | 17-pin connector, blue                     |
| T17e | 17-pin connector, red                      |
| T17q | 17-pin connector, red                      |
| T17r | 17-pin connector, white                    |
| T94  | 94-pin connector                           |

(B335) Connection 54 (in main wiring harness) 1

\* Brake lamp sensor system coil  
\*2 Only for vehicles with cruise control

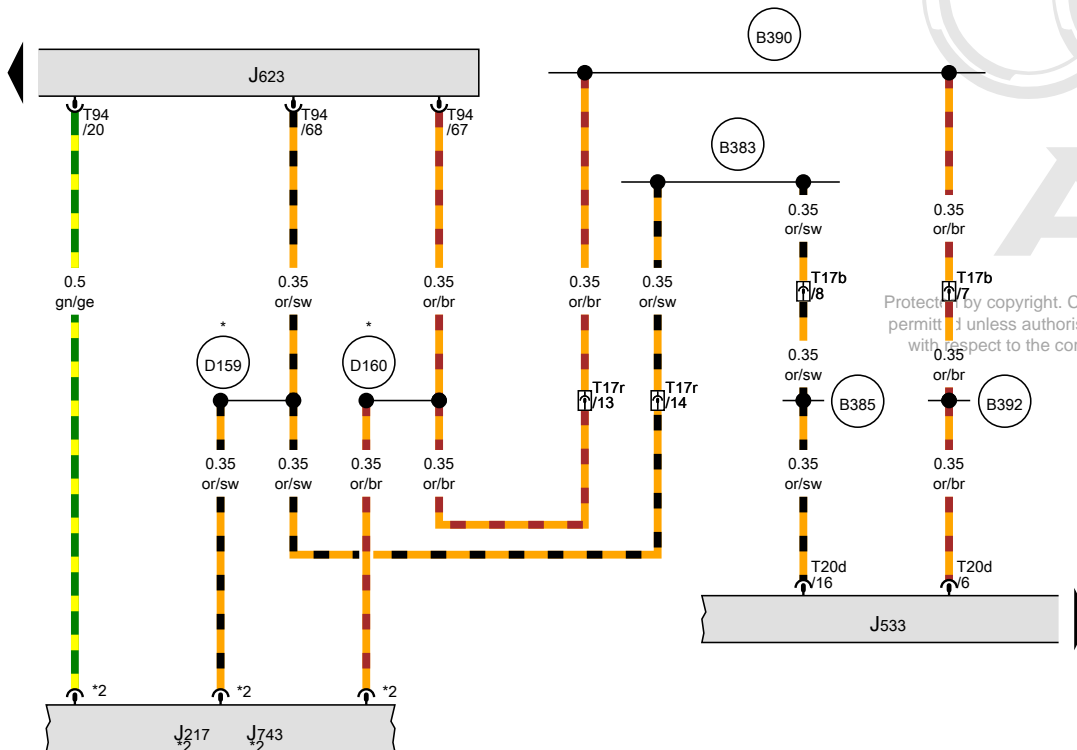


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Transmission control module, Data bus on board diagnostic interface, Engine control module

- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T17b 17-pin connector, blue
- T17r 17-pin connector, white
- T20d 20-pin connector
- T94 94-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)
- \* Only for vehicles with automatic transmission
- \*2 Refer to applicable wiring diagram for automatic transmission



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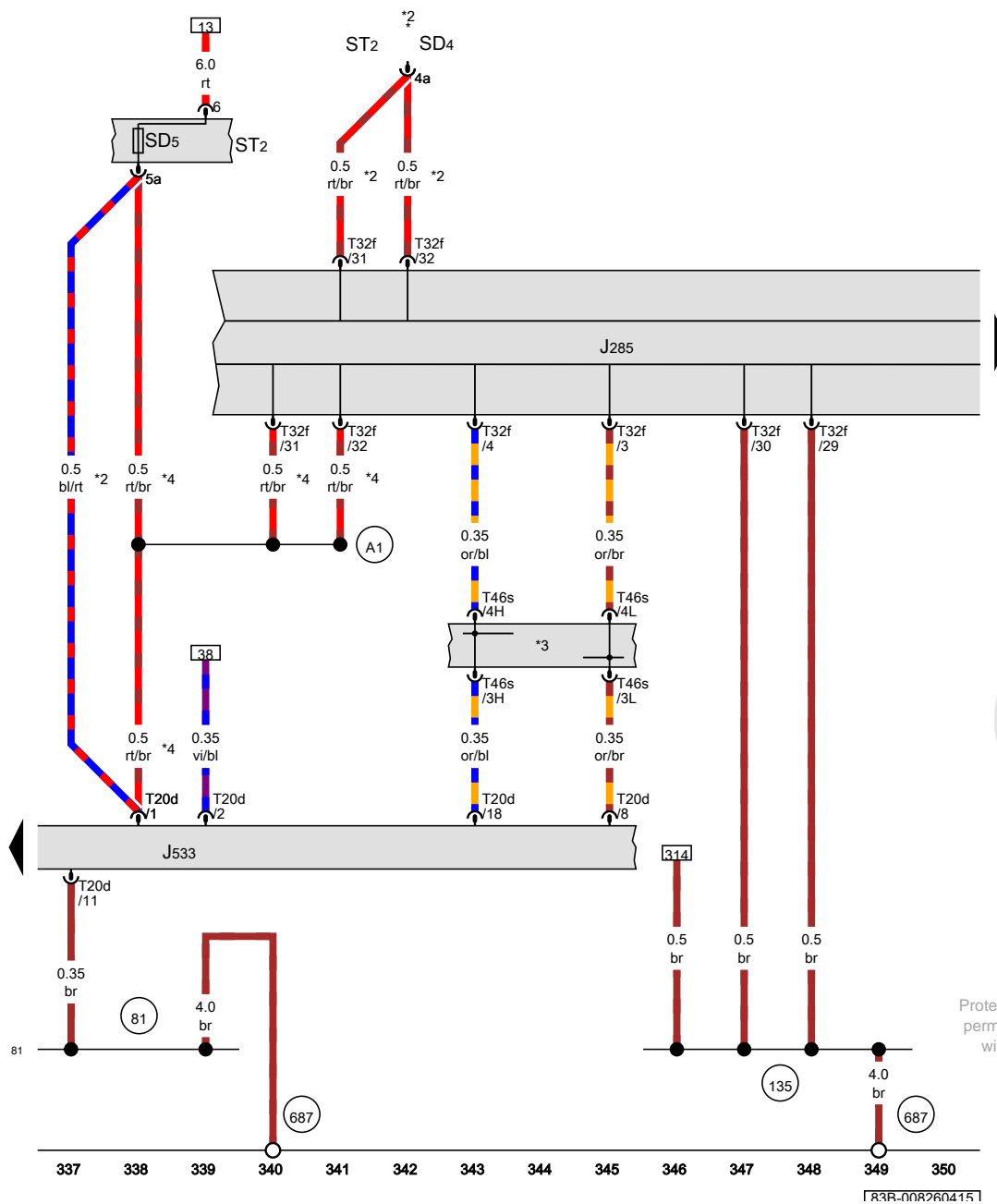
323 324 325 326 327 328 329 330 331 332 333 334 335 336

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Instrument cluster control module, Data bus on board diagnostic interface

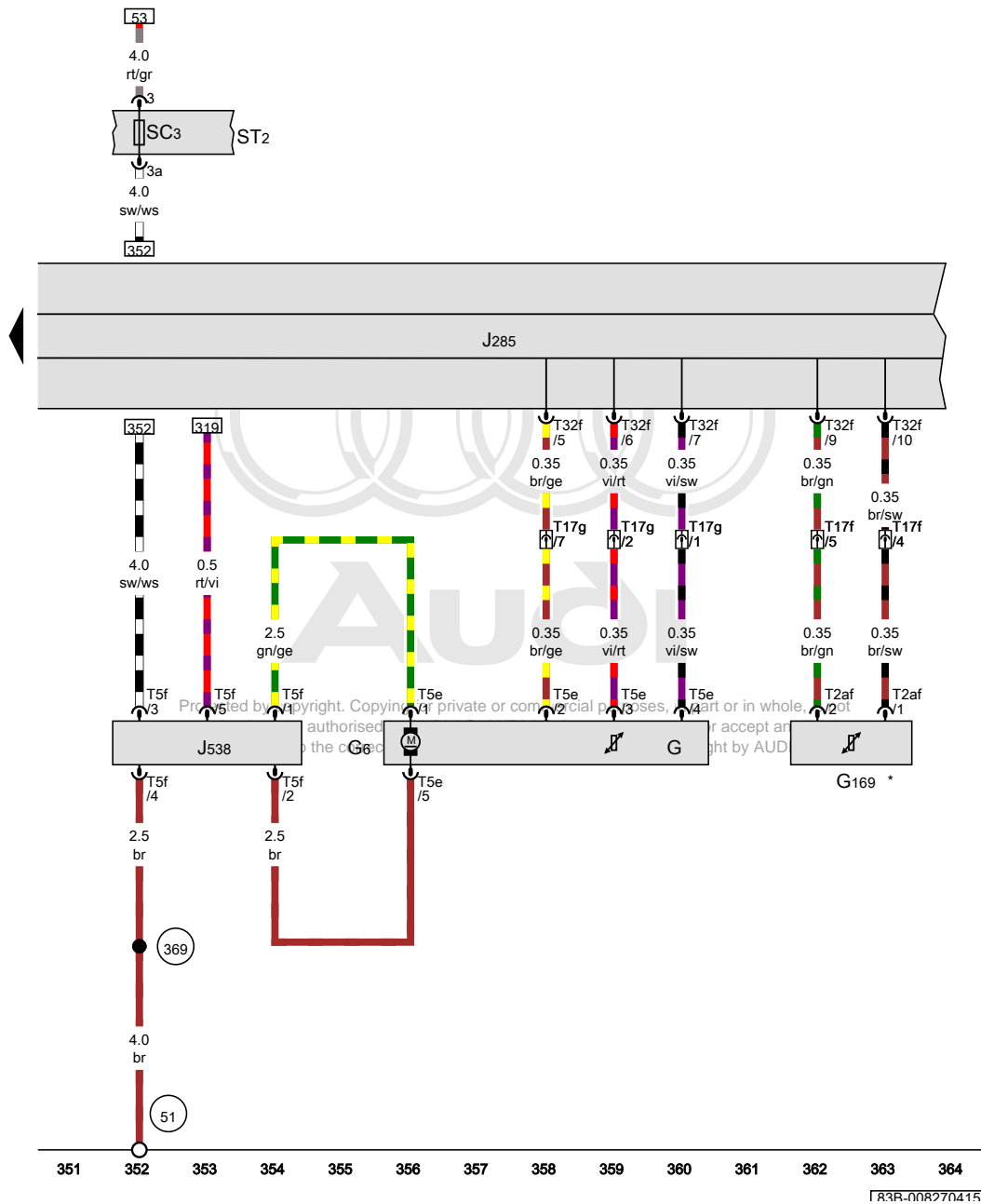
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A1 Positive connection (30a) (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions from May 2009
- \*2 Refer to the applicable wiring diagram for CAN isolating plug through April 2009
- \*4



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Fuel level sensor, Transfer fuel pump, Instrument cluster control module, Fuel pump control module



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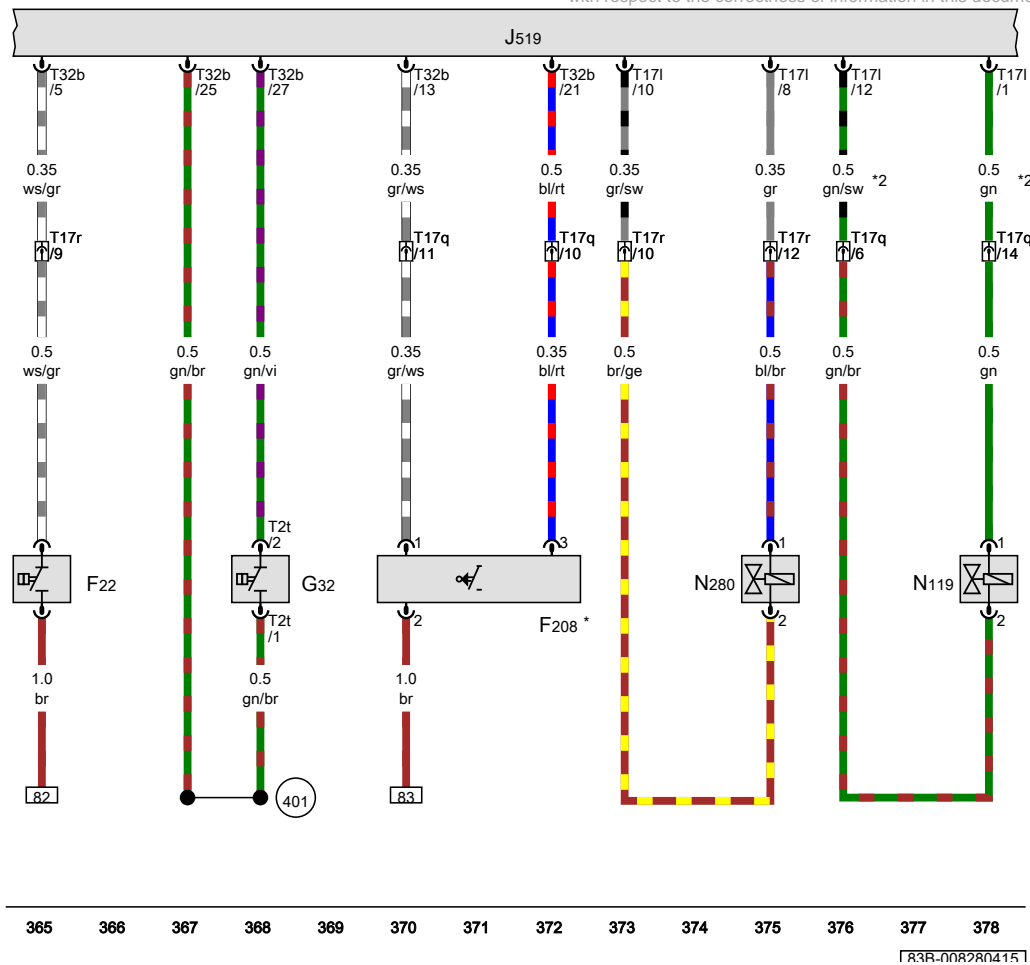
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# Oil pressure switch, Engine coolant level sensor, Vehicle electrical control module system

- F22 Oil pressure switch
- F208 Transmission range gear recognition switch
- G32 Engine coolant level sensor
- J519 Vehicle electrical control module system
- N119 Servotronic solenoid valve
- N280 A/C compressor regulator valve
- T2t Double connector
- T17l 17-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T32b 32-pin connector

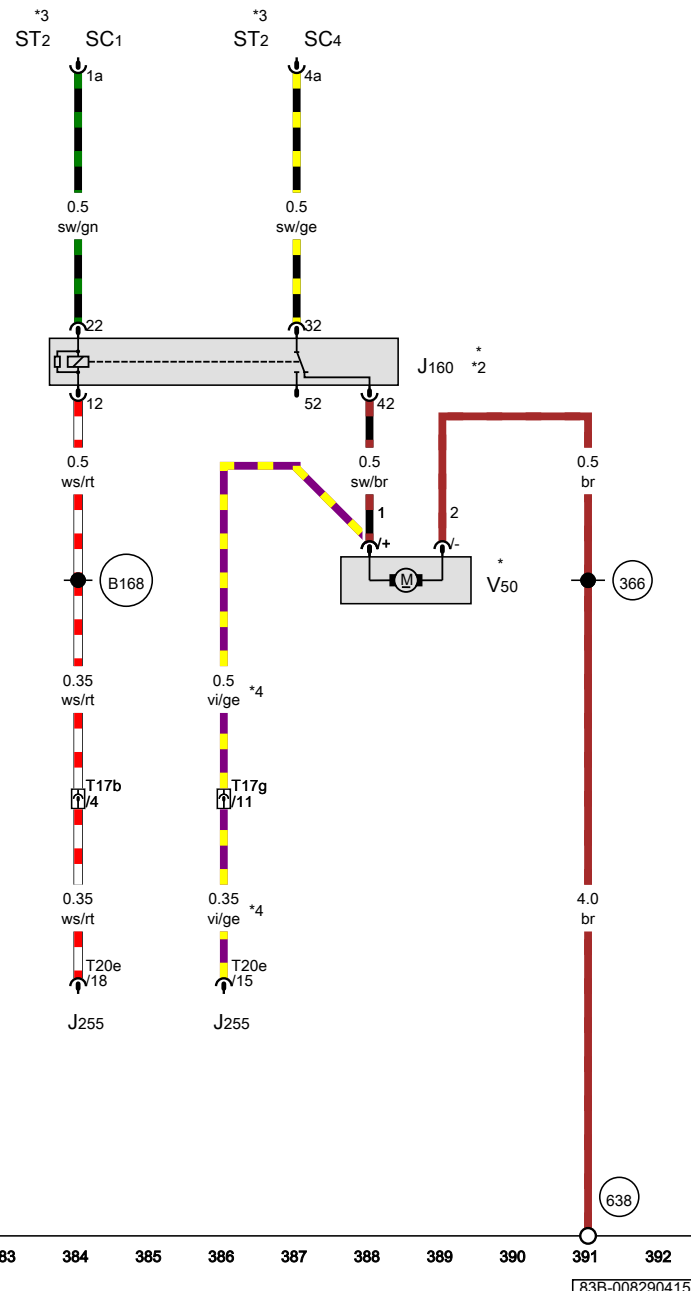
401 Sensor ground connection (in interior wiring harness)

- \* Only for vehicles with a manual transmission
- \*2 Diameter depends on equipment



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

183B-00A280415



### Recirculation pump relay, Coolant recirculation pump

- |      |                            |
|------|----------------------------|
| J160 | Recirculation pump relay   |
| J255 | Climatronic control module |
| SC1  | Fuse 1 (on fuse panel C)   |
| ST2  | Fuse panel 2               |
| SC4  | Fuse 4 (on fuse panel C)   |
| T17b | 17-pin connector, blue     |
| T17g | 17-pin connector, black    |
| T20e | 20-pin connector           |
| V50  | Coolant recirculation pump |

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B168 Connection 86 (in interior wiring harness)

- \* Only for vehicles with a coolant after-run pump  
\*2 through April 2009  
\*3 Refer to applicable wiring diagram for fuse positions  
\*4 from May 2009

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



## Coolant fan 400W, 4 and 6 cylinder gasoline engines

from September 2008



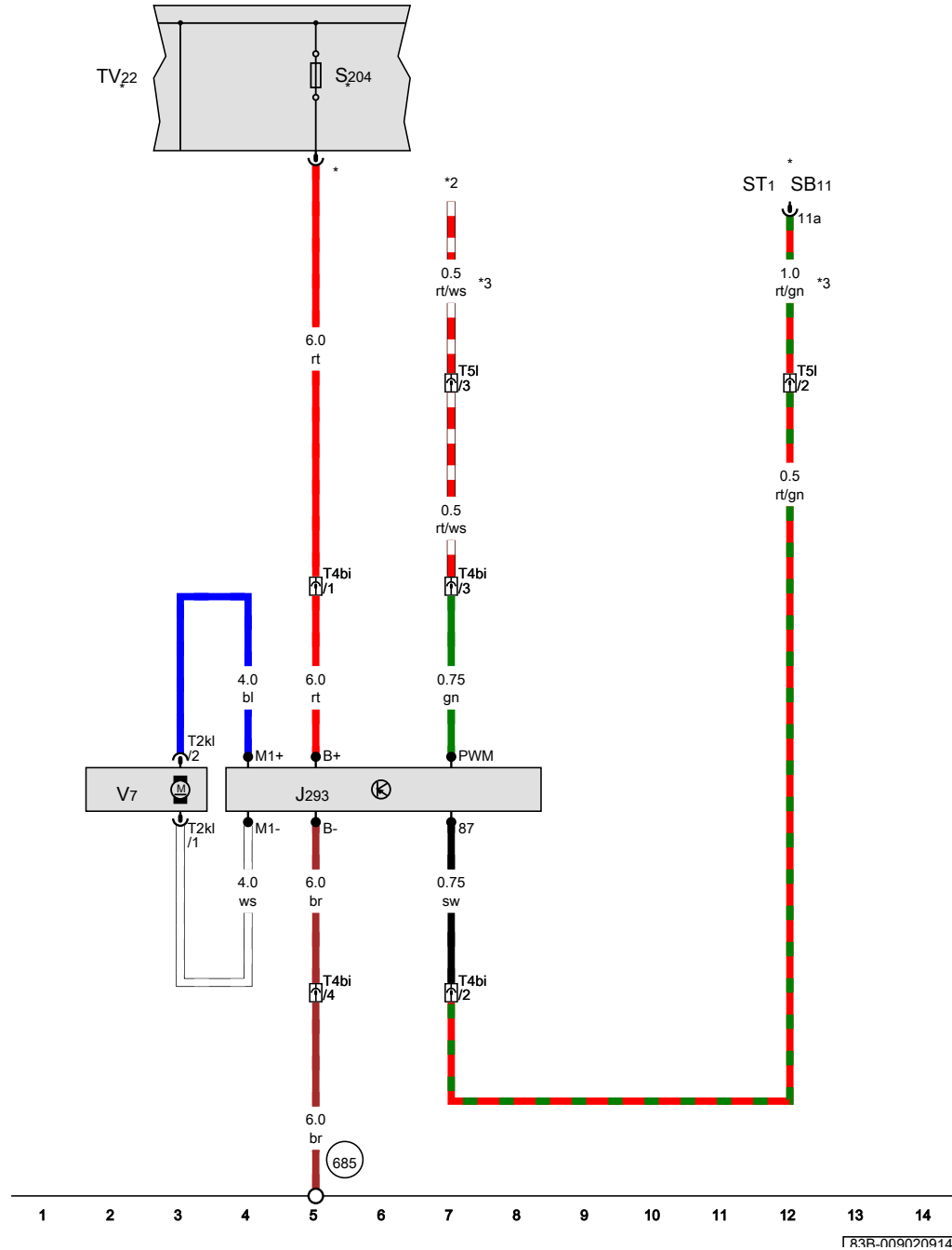
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Coolant fan control module, Coolant fan

- J293 Coolant fan control module
- ST1 Fuse panel 1
- SB11 Fuse 11 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- T2kl Double connector
- T4bi 4-pin connector
- T5l 5-pin connector, on the left bulkhead
- TV22 Terminal 30 wire junction 2
- V7 Coolant fan

685 Ground connection 1 on right front longitudinal member

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment



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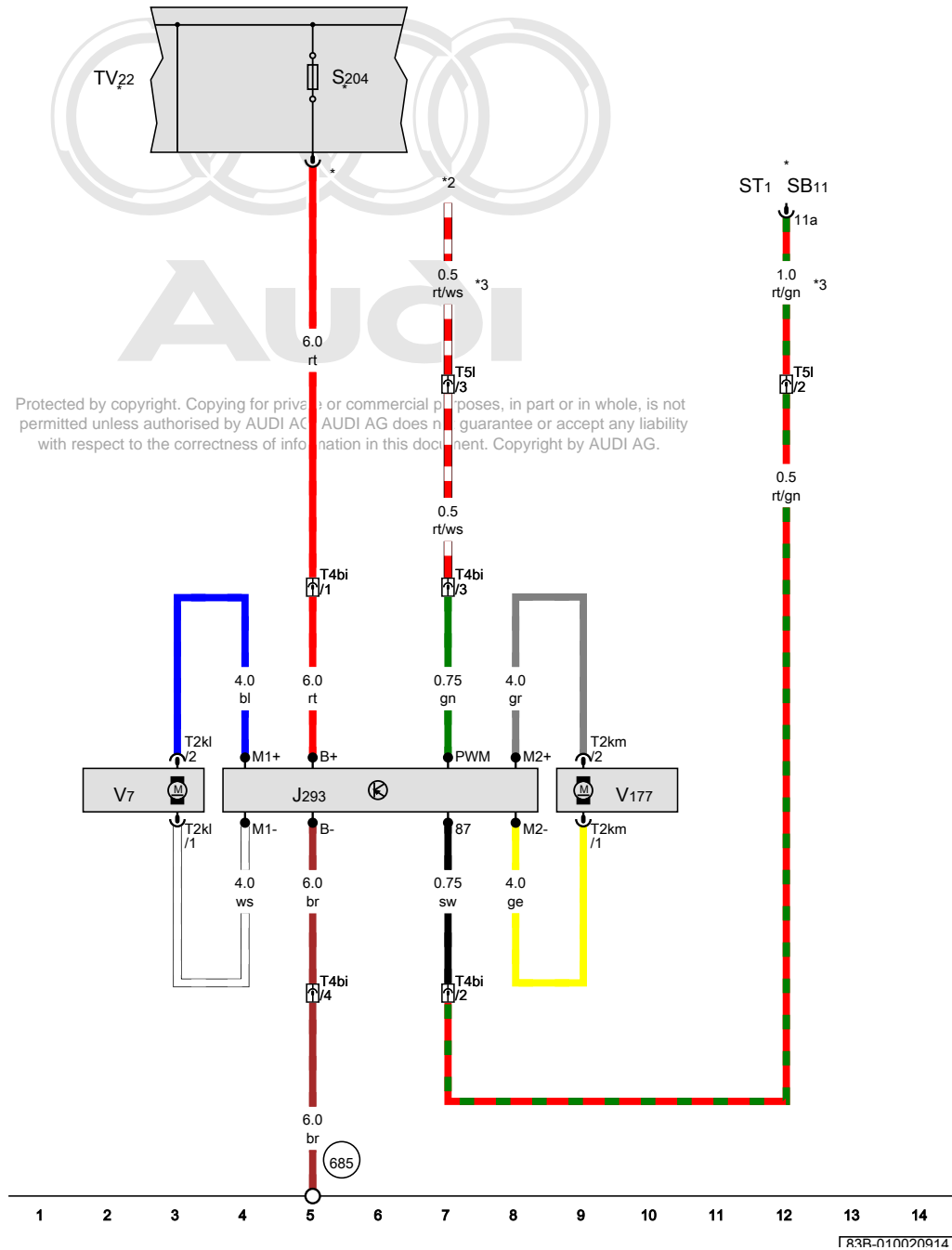
**Coolant fan 600W, 4 and 6 cylinder gasoline engines**

from September 2008



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Coolant fan control module, Coolant fan, Coolant fan 2

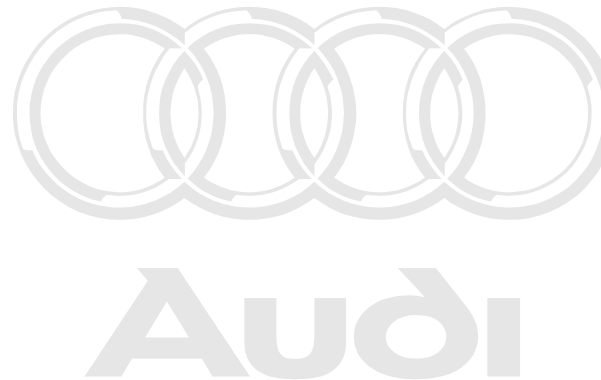


- J293 Coolant fan control module
- ST1 Fuse panel 1
- SB11 Fuse 11 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- T2kl Double connector
- T2km Double connector
- T4bi 4-pin connector
- T5l 5-pin connector, on the left bulkhead
- TV22 Terminal 30 wire junction 2
- V7 Coolant fan
- V177 Coolant fan 2
- 685 Ground connection 1 on right front longitudinal member

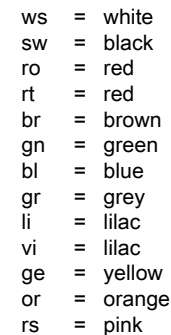
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment

## Coolant fan 400W, 4 and 6 cylinder diesel engines

from September 2008



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J293	Coolant fan control module
ST1	Fuse panel 1
SB11	Fuse 11 (on fuse panel B)
S204	Fuse 1 (terminal 30)
T2kl	Double connector
T4bi	4-pin connector
T5l	5-pin connector, on the left bulkhead
TV22	Terminal 30 wire junction 2
V7	Coolant fan

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment
- \*4 The color of the wires depends on vehicle equipment

**Coolant fan 600W, 4 and 6 cylinder diesel engines**  
from September 2008



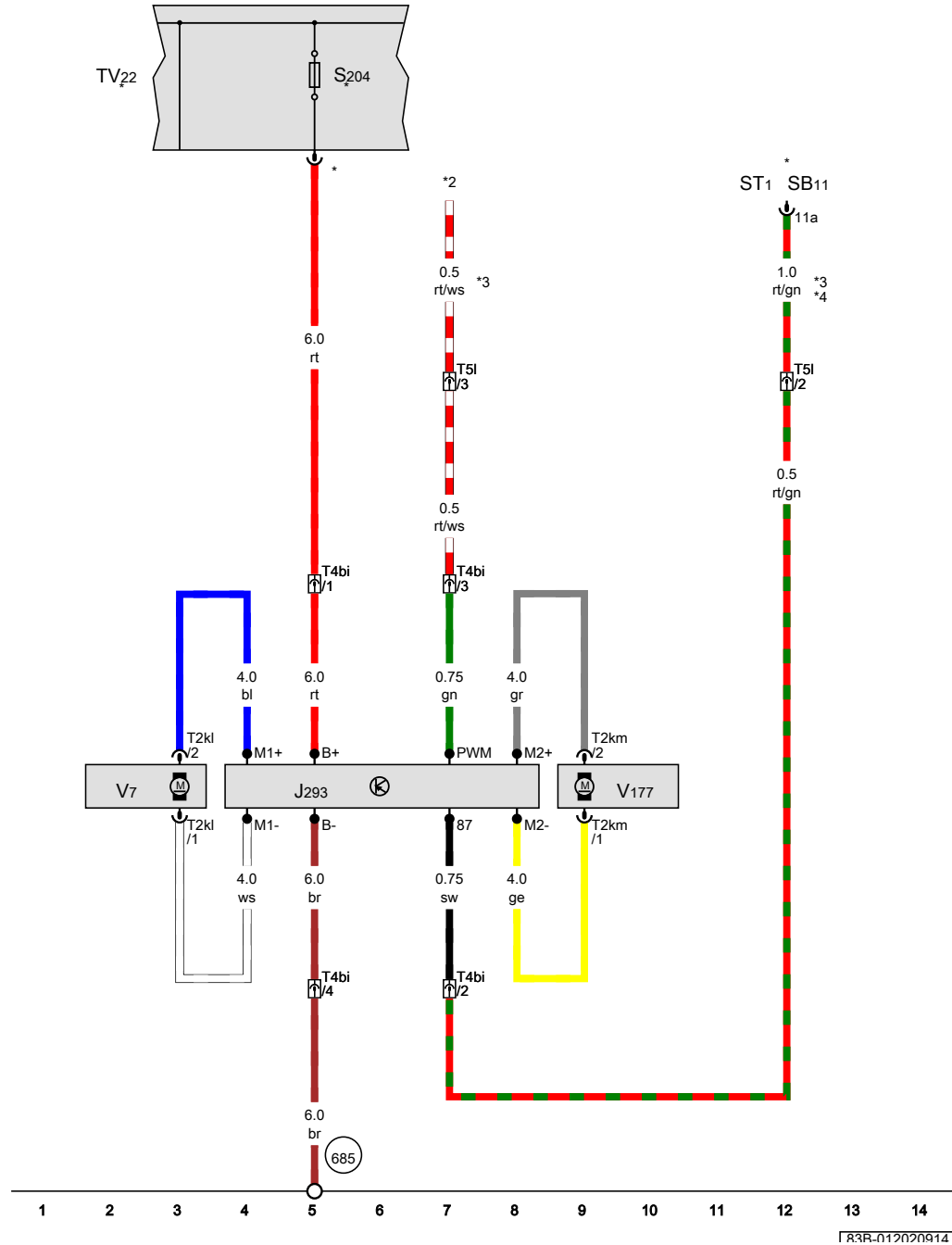
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Coolant fan control module, Coolant fan, Coolant fan 2

- J293 Coolant fan control module
- ST1 Fuse panel 1
- SB11 Fuse 11 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- T2kl Double connector
- T2km Double connector
- T4bi 4-pin connector
- T5l 5-pin connector, on the left bulkhead
- TV22 Terminal 30 wire junction 2
- V7 Coolant fan
- V177 Coolant fan 2
- 685 Ground connection 1 on right front longitudinal member
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment
- \*4 The color of the wires depends on vehicle equipment



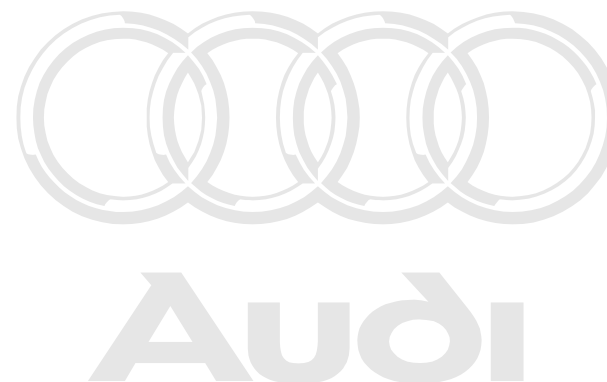
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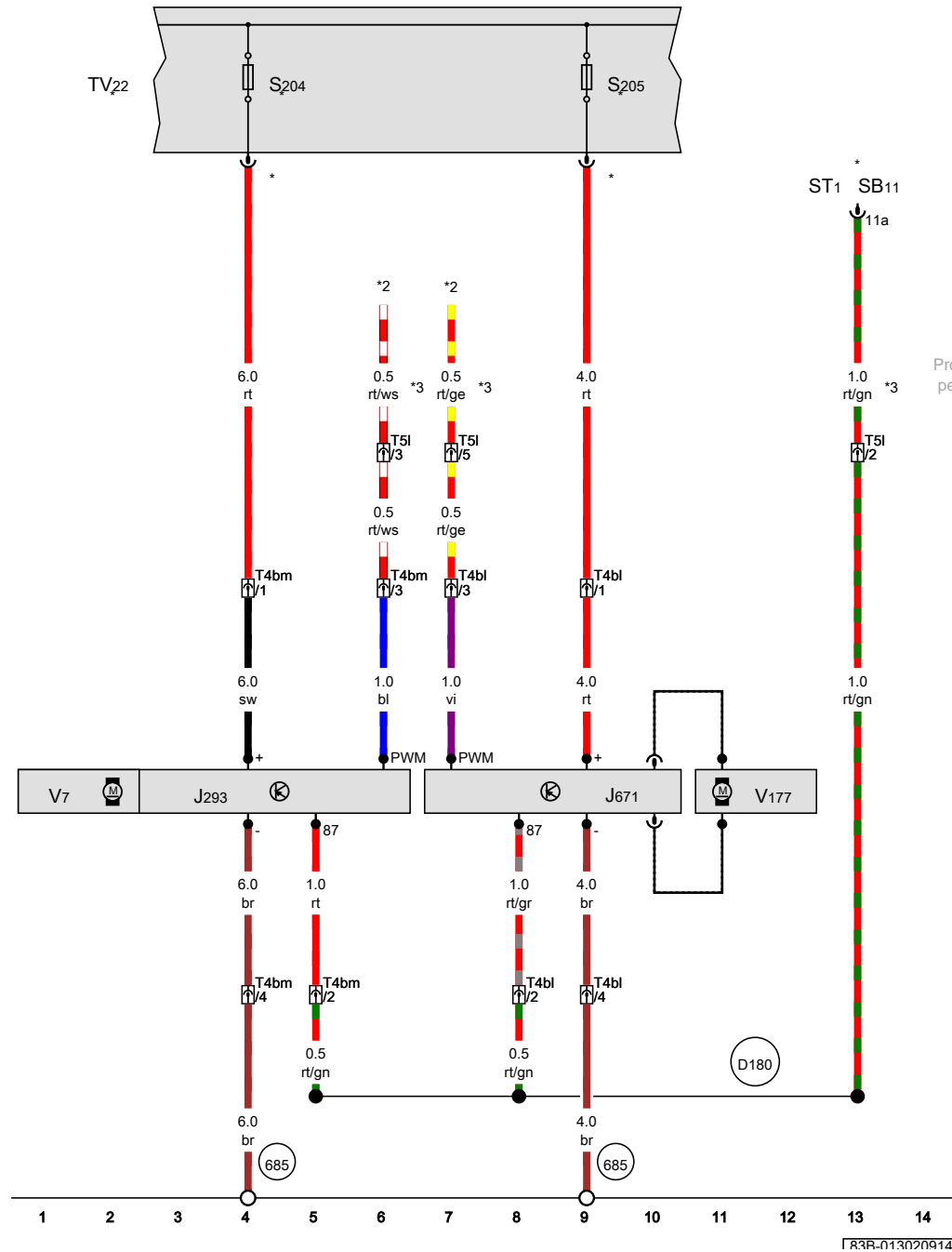


## Coolant fan 800W/1000W, 6-cylinder diesel engines

from September 2008



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Coolant fan control module, Coolant fan control module 2, Terminal 30 wire junction 2, Coolant fan, Coolant fan 2

- J293 Coolant fan control module
- J671 Coolant fan control module 2
- ST1 Fuse panel 1
- SB11 Fuse 11 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- T4bl 4-pin connector
- T4bm 4-pin connector
- T5l 5-pin connector, on the left bulkhead
- TV22 Terminal 30 wire junction 2
- V7 Coolant fan
- V177 Coolant fan 2

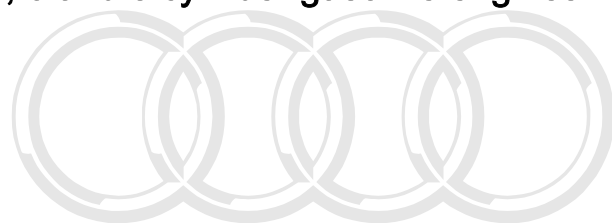
- 685 Ground connection 1 on right front longitudinal member
- D180 Connection 87a (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment

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

183R-0130209141

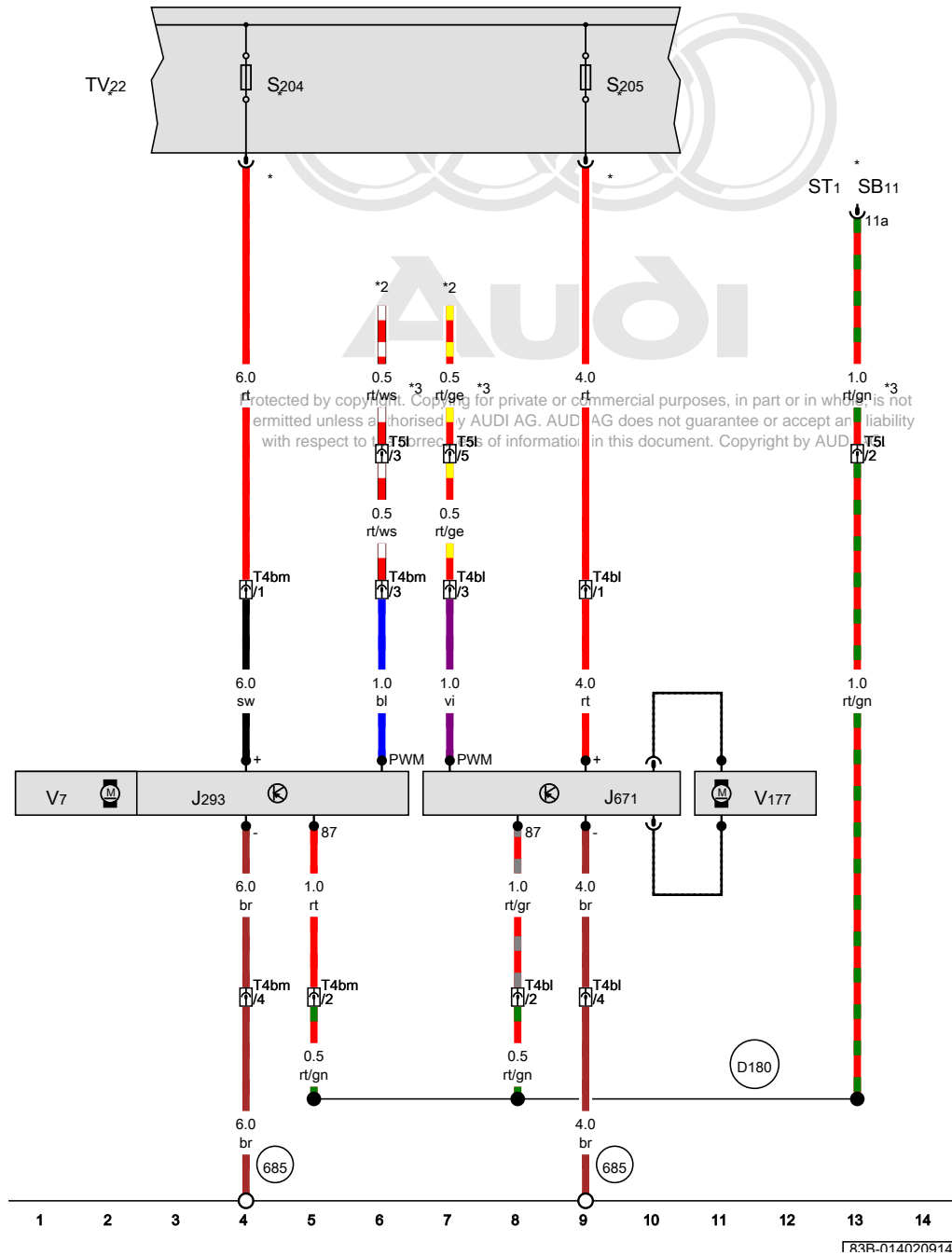
**Coolant fan 800W/1000W, 6 and 8 cylinder gasoline engines**

from September 2008

**Audi**

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### Coolant fan control module, Coolant fan control module 2, Terminal 30 wire junction 2, Coolant fan, Coolant fan 2



- J293 Coolant fan control module
- J671 Coolant fan control module 2
- ST1 Fuse panel 1
- SB11 Fuse 11 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- T4bl 4-pin connector
- T4bm 4-pin connector
- T5l 5-pin connector, on the left bulkhead
- TV22 Terminal 30 wire junction 2
- V7 Coolant fan
- V177 Coolant fan 2

685 Ground connection 1 on right front longitudinal member

D180 Connection 87a (in engine compartment wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment

**MMI with radio and basic sound system**

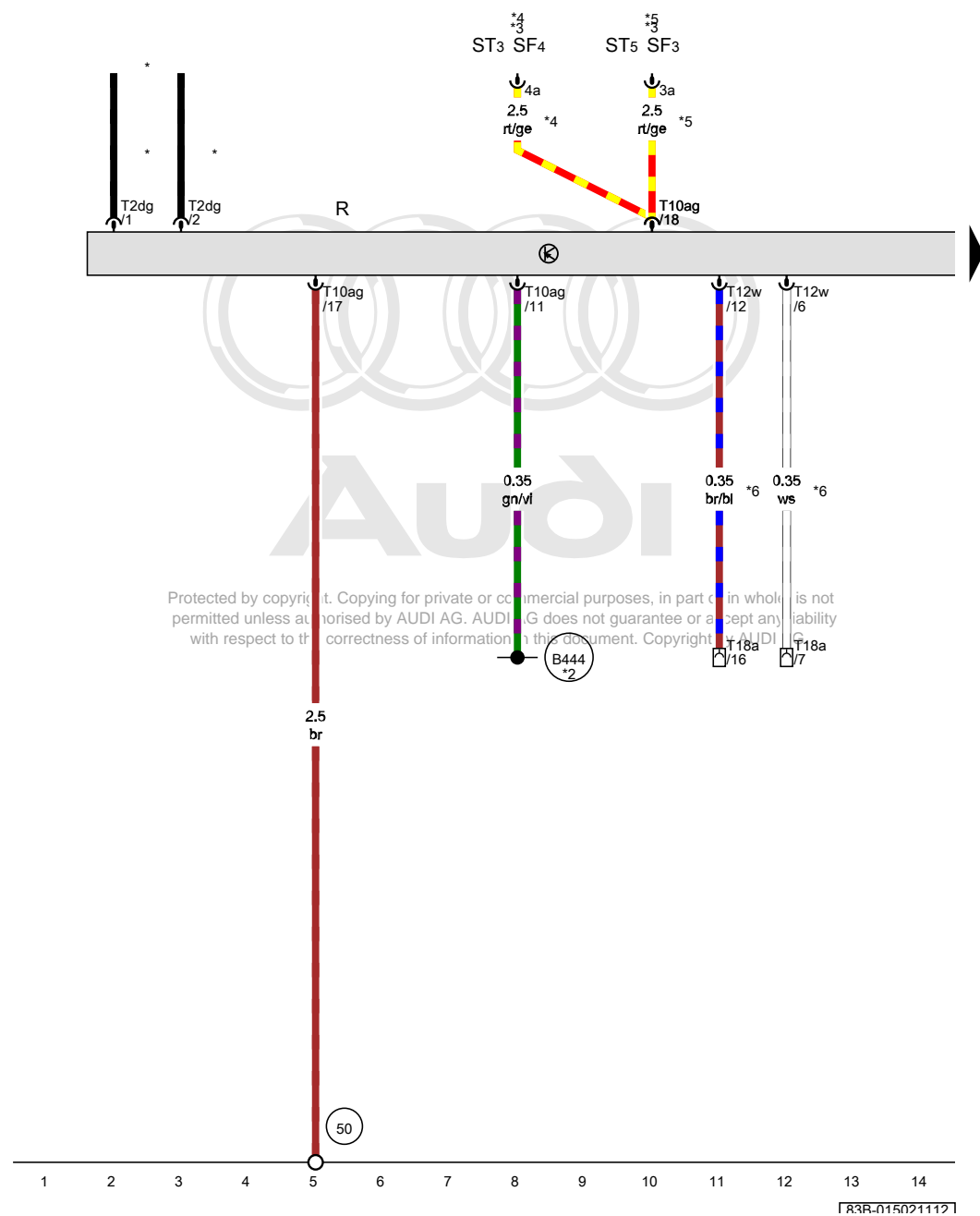
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# Radio

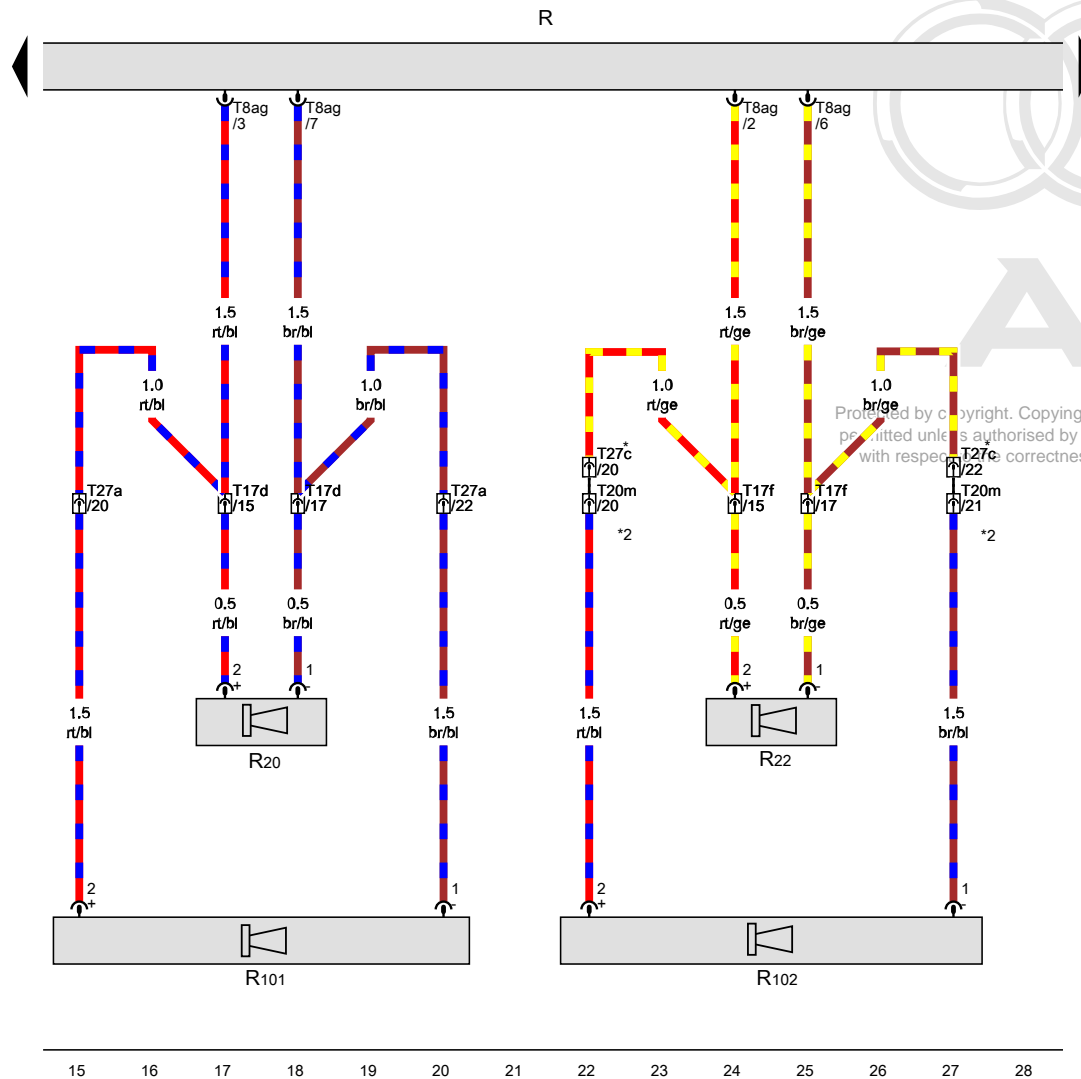
- R Radio
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T2dg Double connector
- T10ag 10-pin connector
- T12w 12-pin connector
- T18a 18-pin connector, under the center console
- 50 Ground connection in luggage compartment, left
- B444 OBD connection 1 (in main wiring harness)
- \* Fiber optic cable
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions through April 2009
- \*4 from May 2009
- \*5 Refer to applicable telephone systems wiring diagram
- \*6



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

Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- T8ag 8-pin connector
- T17d 17-pin connector, brown
- T17f 17-pin connector, brown
- T20m 20-pin connector, black
- T27a 27-pin connector, black
- T27c 27-pin connector, black
- \* Omitted as a running change
- \*2 Running change



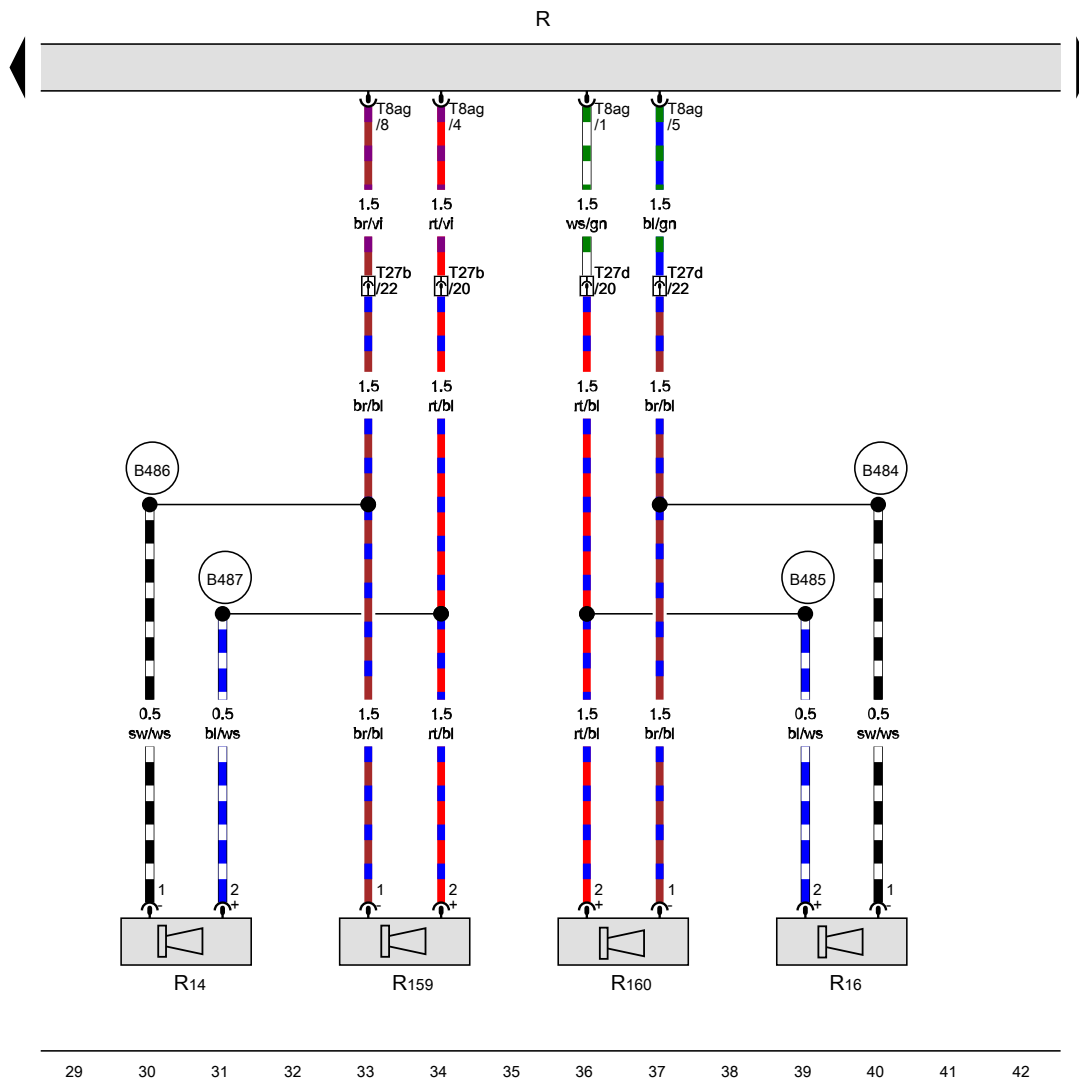
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

1R3R-0150311121

Radio, Left rear treble speaker, Right rear treble speaker,  
Left rear mid-bass speaker, Right rear mid-bass speaker

- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8ag 8-pin connector
- T27b 27-pin connector, black
- T27d 27-pin connector, black

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)



- ws = white
- sw = black
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- ge = yellow
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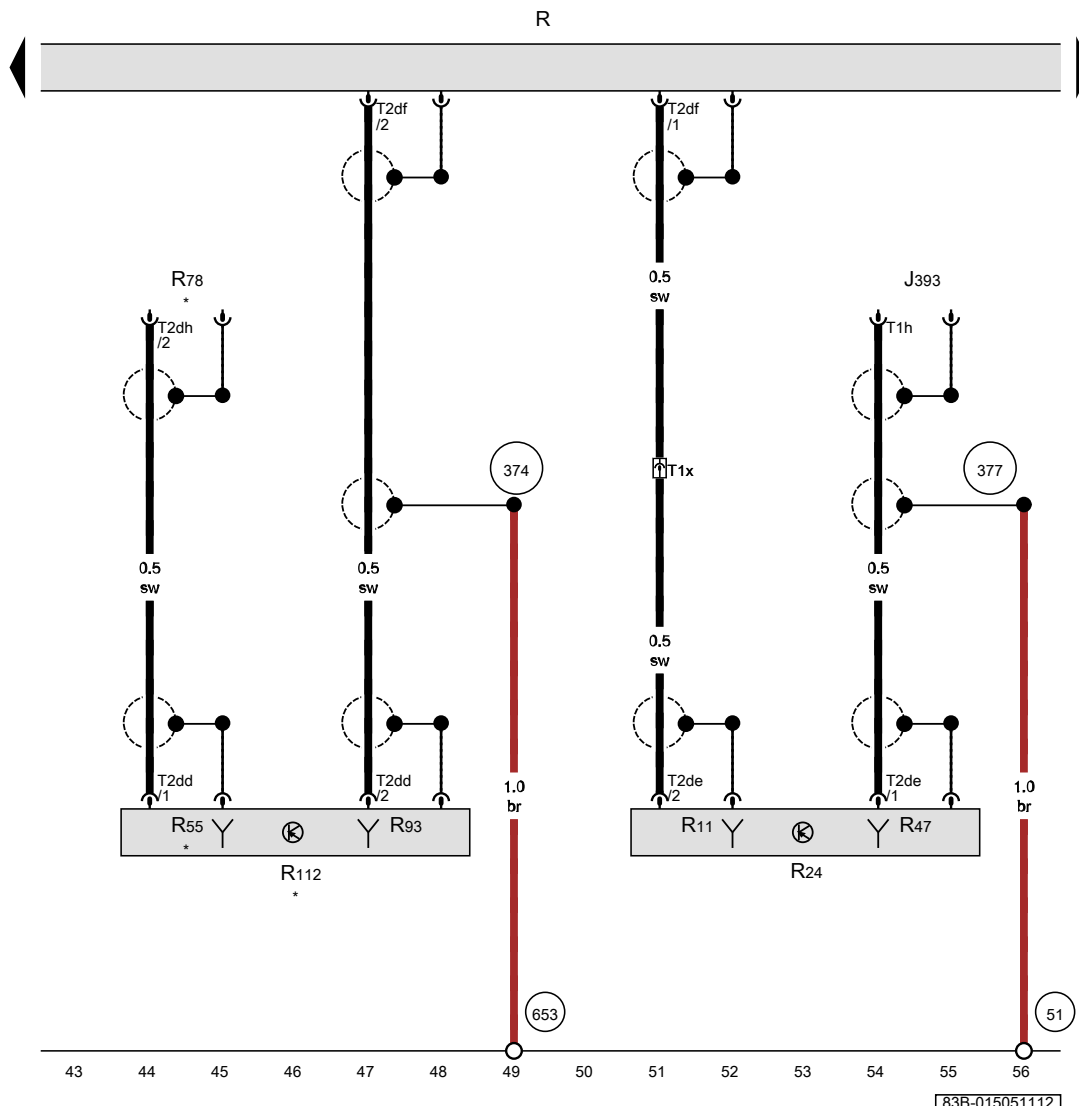


Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, near the rear window
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar
- \* Only for vehicles with TV tuner

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



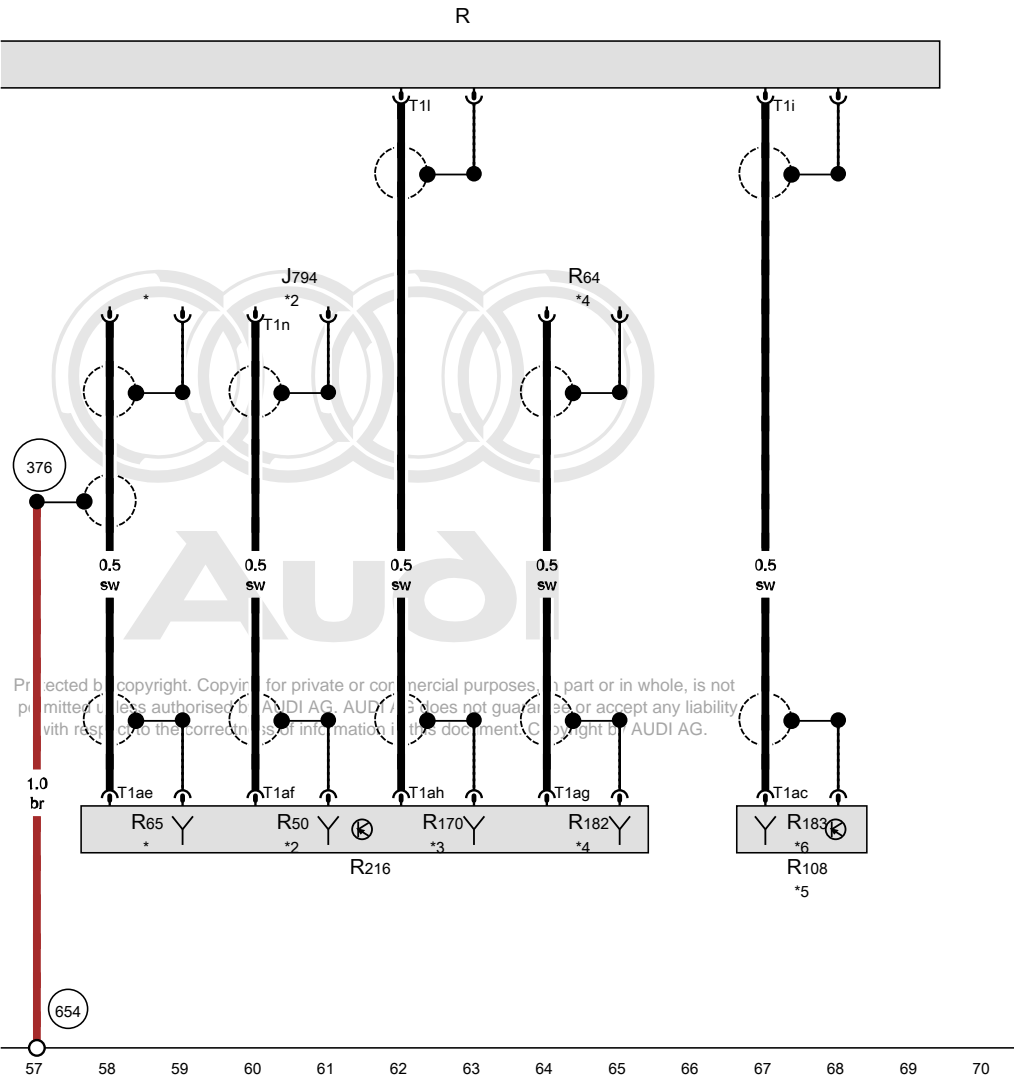
Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Only for vehicles with with a cell phone/telephone
- \*2 Optional equipment
- \*3 Only for vehicles with satellite radio
- \*4 Only for vehicles with an auxiliary heater
- \*5 Left side window
- \*6 Only for vehicles with a digital radio

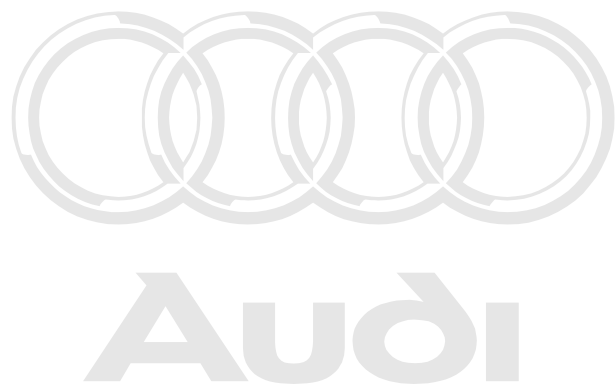


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- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

83B-0150811121

## MMI with radio and standard sound system

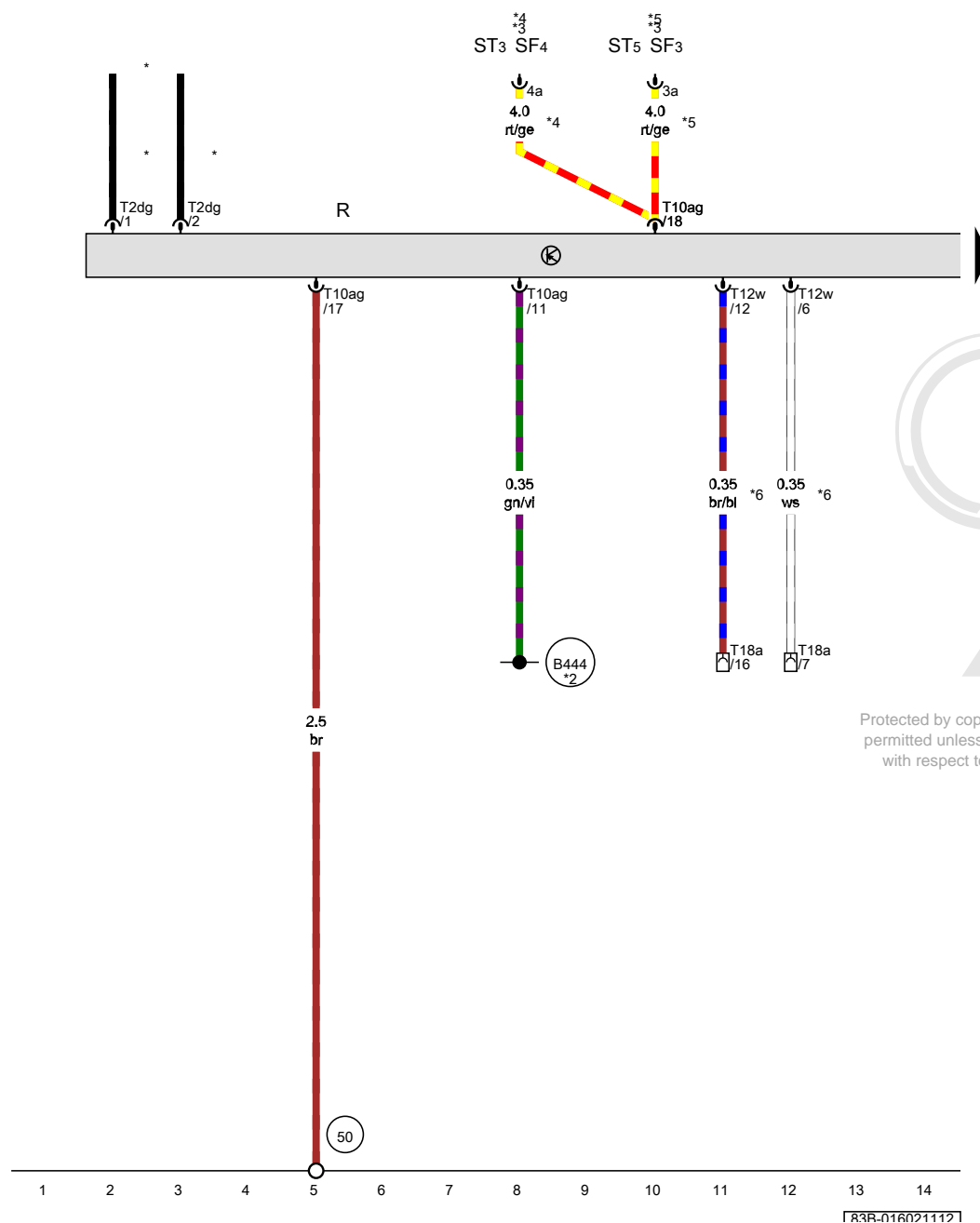
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# Radio

- R Radio
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T2dg Double connector
- T10ag 10-pin connector
- T12w 12-pin connector
- T18a 18-pin connector, under the center console
- 50 Ground connection in luggage compartment, left
- B444 OBD connection 1 (in main wiring harness)
- \* Fiber optic cable
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions through April 2009
- \*4 from May 2009
- \*5
- \*6 Refer to applicable telephone systems wiring diagram

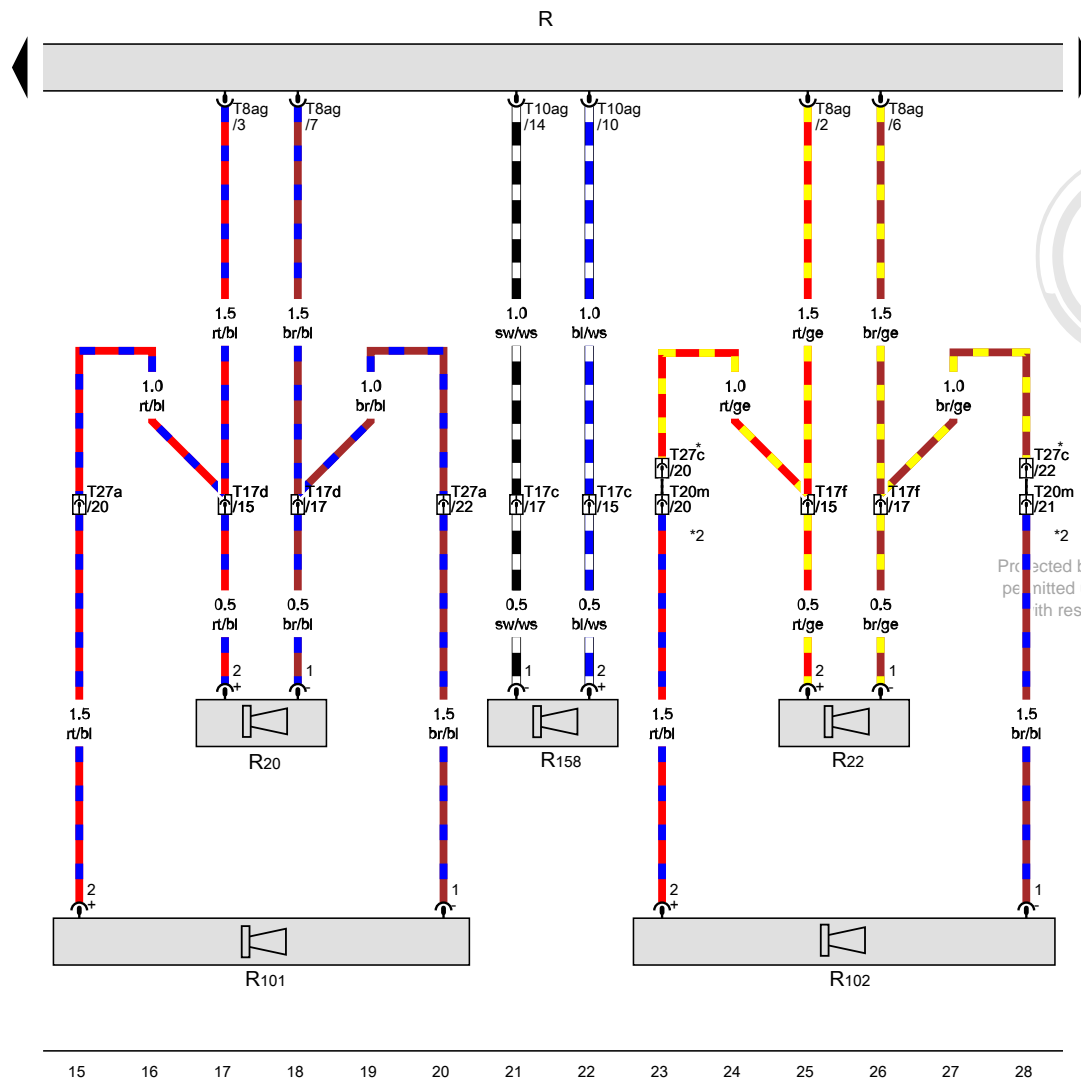


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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker,  
Center mid-treble speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- R158 Center mid-treble speaker
- T8ag 8-pin connector
- T10ag 10-pin connector
- T17c 17-pin connector, black
- T17d 17-pin connector, brown
- T17f 17-pin connector, brown
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- \* Omitted as a running change
- \*2 Running change



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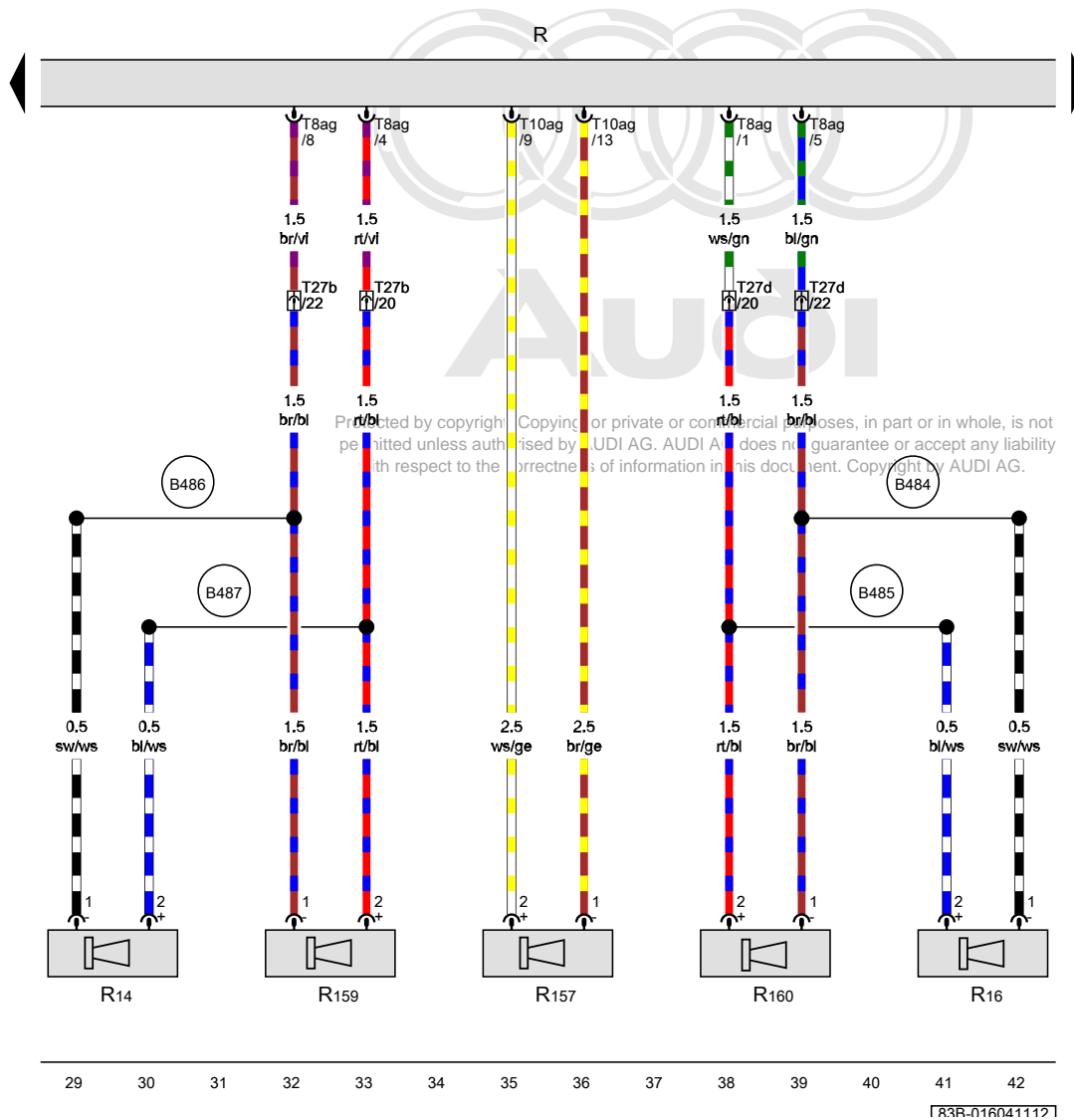
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

183R-0160311171

Radio, Left rear treble speaker, Right rear treble speaker, Subwoofer in rear shelf, Left rear mid-bass speaker, Right rear mid-bass speaker

- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R157 Subwoofer in rear shelf, in the spare wheel well
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8ag 8-pin connector
- T10ag 10-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (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

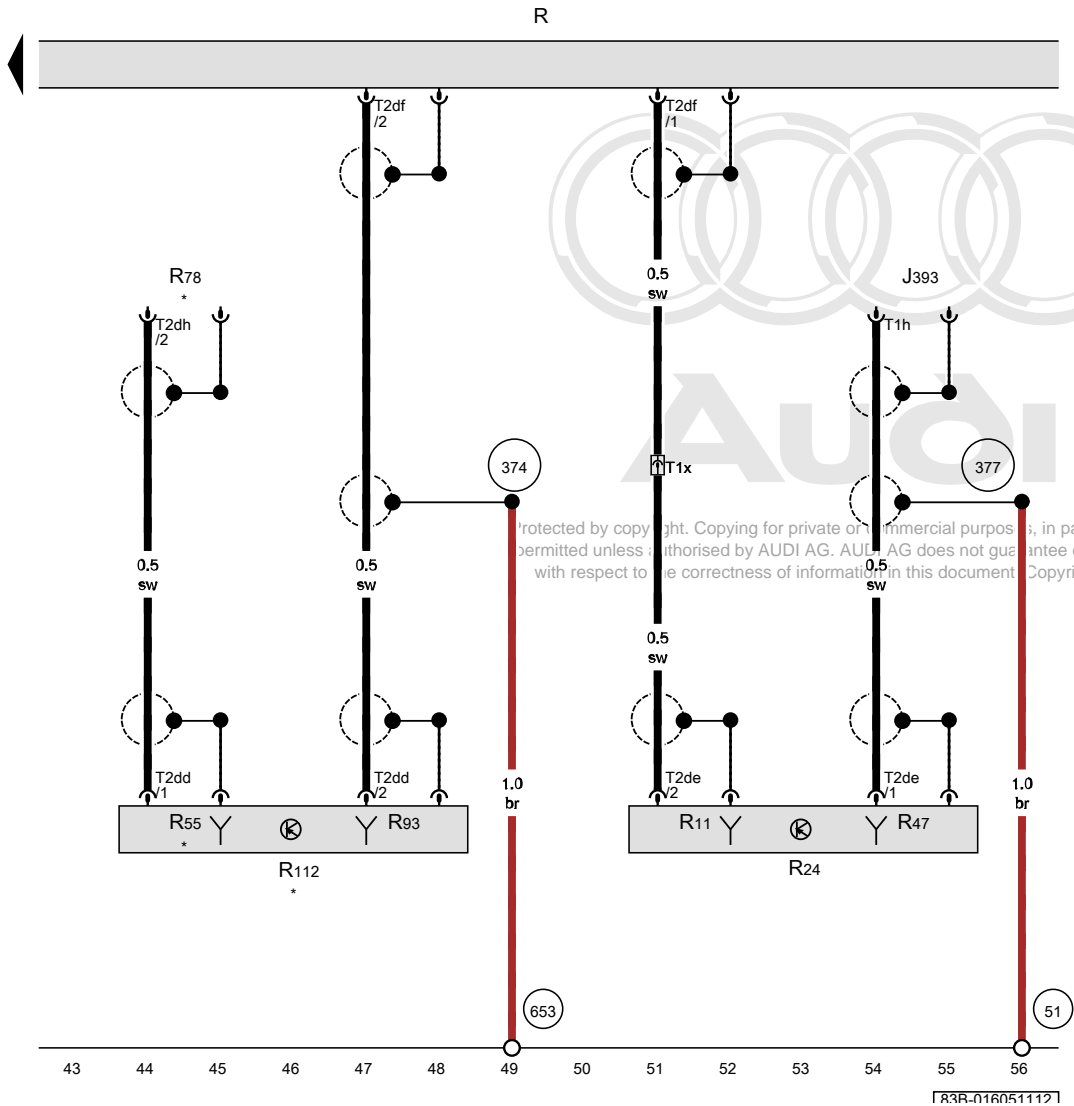
Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, near the rear window
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

\* Only for vehicles with TV tuner

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



Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

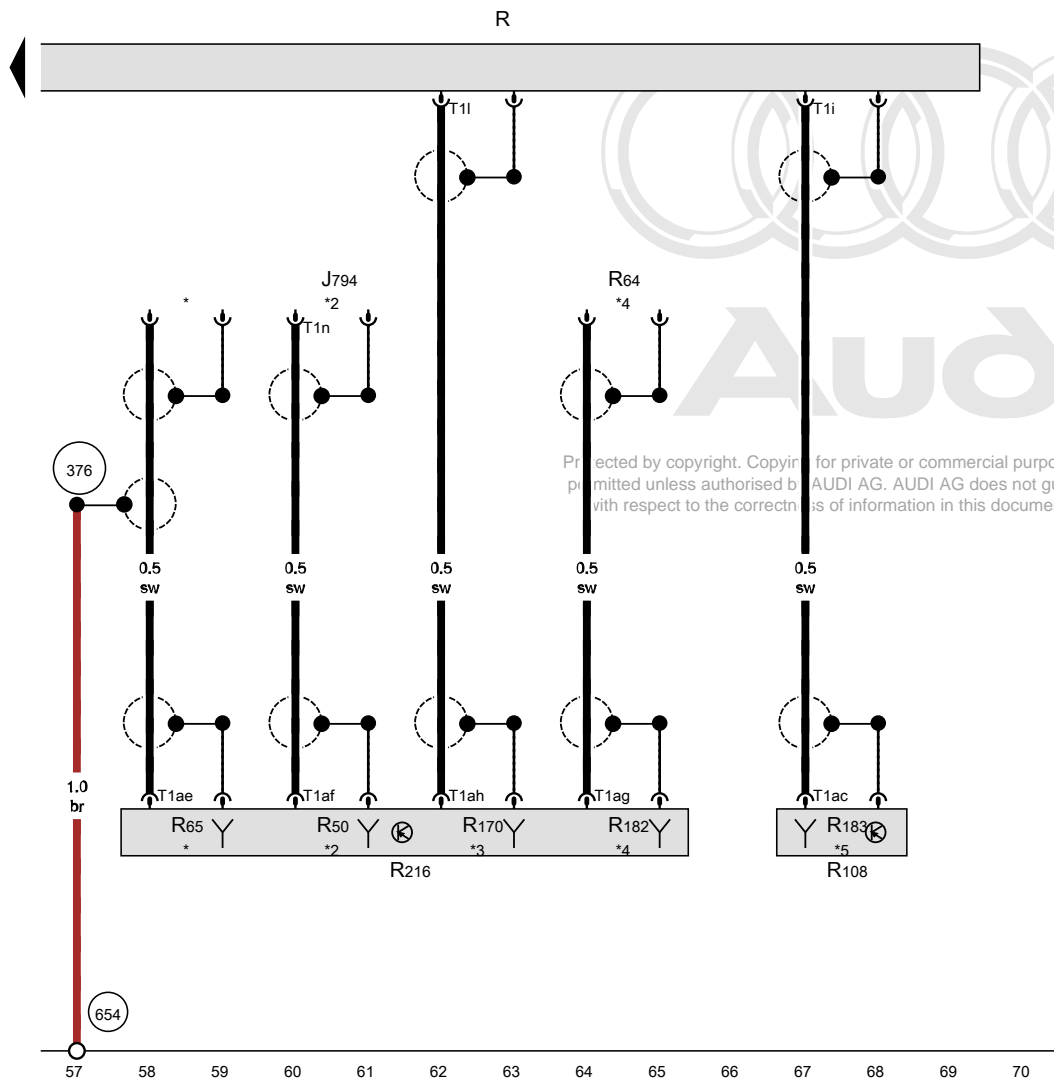
- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module, in the left side window
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Only for vehicles with a cell phone/telephone
- \*2 Optional equipment
- \*3 Only for vehicles with satellite radio
- \*4 Only for vehicles with an auxiliary heater
- \*5 Only for vehicles with a digital radio

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



183B-0160R11121



**MMI with radio and Bang & Olufsen sound system**

from September 2008



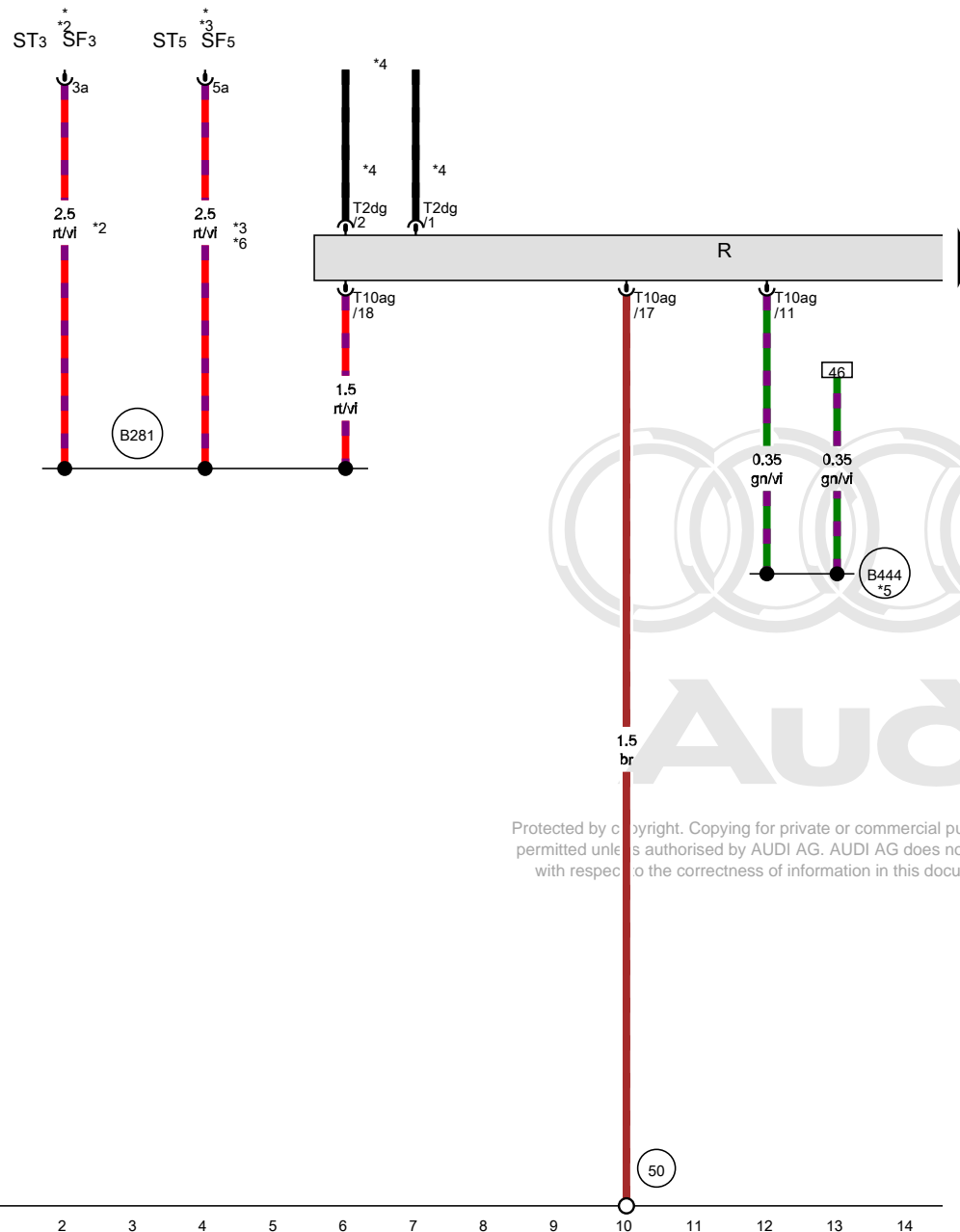
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## Radio

R	Radio
ST3	Fuse panel 3
SF3	Fuse 3 (on fuse panel F)
SF5	Fuse 5 (on fuse panel F)
ST5	Fuse panel 5
T2dg	Double connector
T10ag	10-pin connector

50	Ground connection in luggage compartment, left
B281	Positive connection 5 (15a) (in main wiring harness)
B444	OBD connection 1 (in main wiring harness)

*	Refer to applicable wiring diagram for fuse positions
*2	through April 2009
*3	from May 2009
*4	Fiber optic cable
*5	Refer to applicable wiring diagram for ring break diagnosis
*6	Diameter depends on equipment



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gr	= grey
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or	= orange
rs	= pink

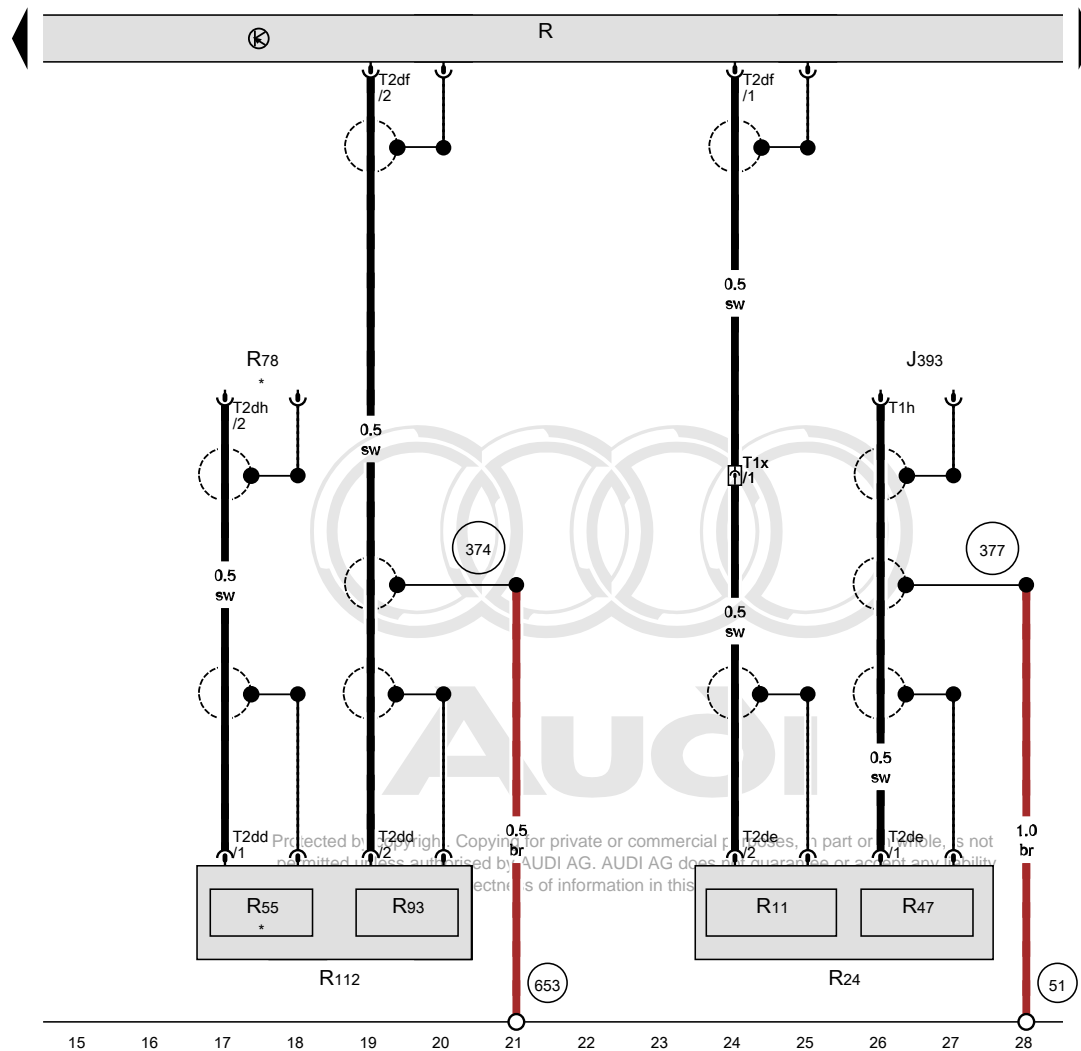
FR3R-0170211121

Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, gray
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar
- \* Only for vehicles with TV tuner

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



183R-0170311121

Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module, in the left side window
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

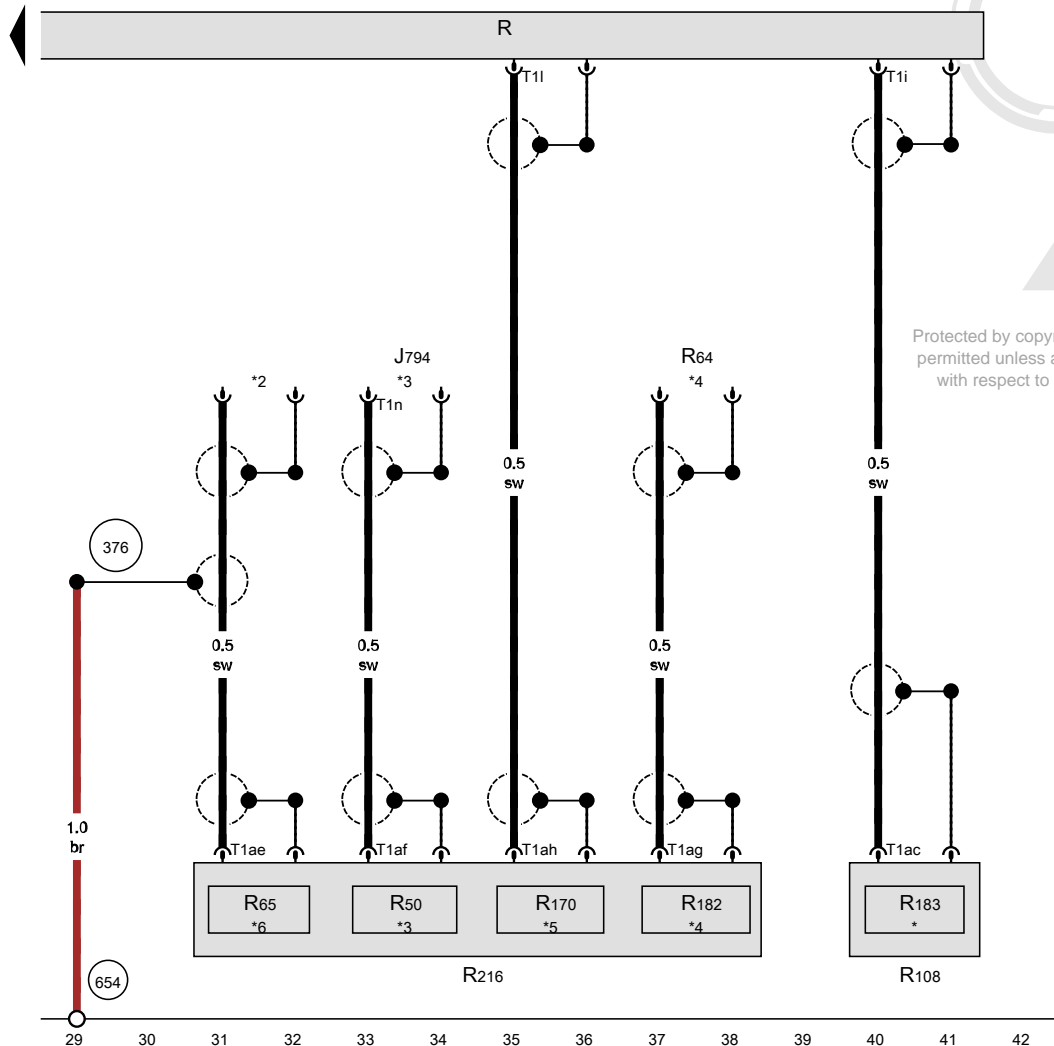
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376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

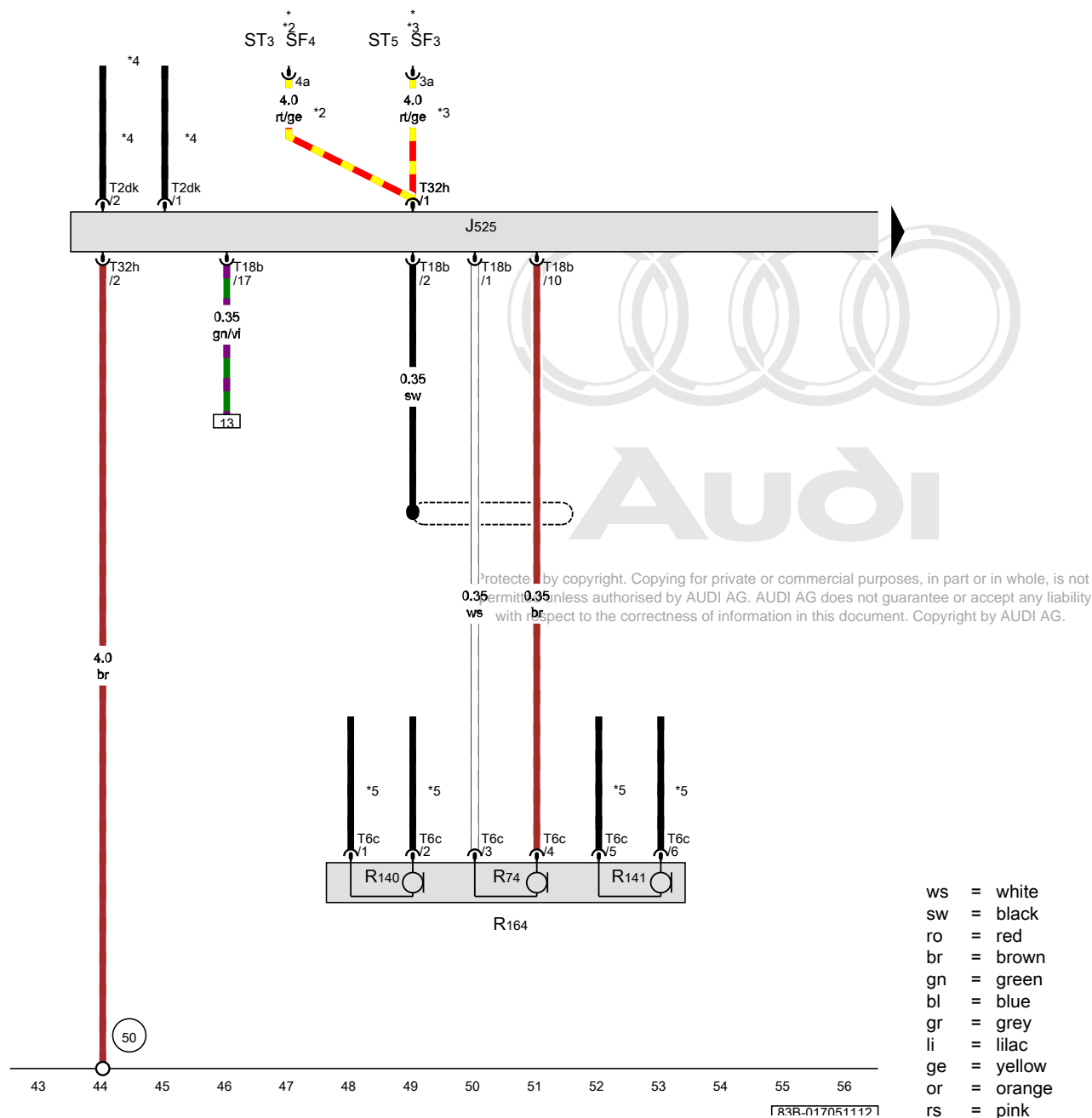
- \* Only for vehicles with a digital radio
- \*2 Refer to applicable telephone systems wiring diagram
- \*3 Optional equipment
- \*4 Only for vehicles with an auxiliary heater
- \*5 Only for vehicles with satellite radio
- \*6 Only for vehicles with with a cell phone/telephone

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



[83B-017041112]

Digital sound system control module, Interior microphone, Left front microphone, Right front microphone, Microphone unit in front roof module

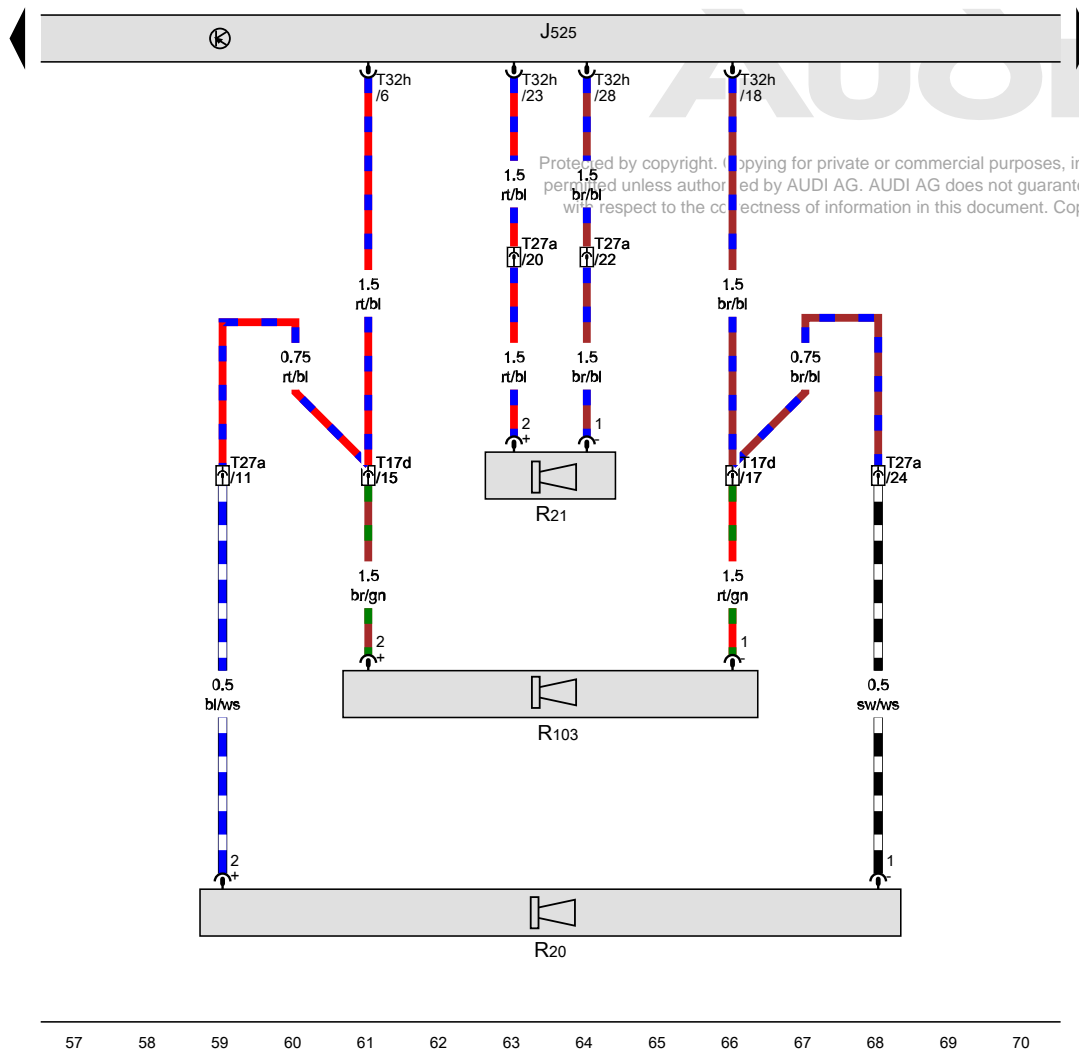


- J525 Digital sound system control module
- R74 Interior microphone
- R140 Left front microphone
- R141 Right front microphone
- R164 Microphone unit in front roof module
- SF3 Fuse 3 (on fuse panel F)
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T2dk Double connector
- T6c 6-pin connector
- T18b 18-pin connector
- T32h 32-pin connector
- 50 Ground connection in luggage compartment, left
- \* Refer to applicable wiring diagram for fuse positions
- \*2 through April 2009
- \*3 from May 2009
- \*4 Fiber optic cable
- \*5 Refer to applicable telephone systems wiring diagram



Digital sound system control module, Left front treble speaker, Left front bass speaker, Left front midrange speaker

- J525 Digital sound system control module
- R20 Left front treble speaker
- R21 Left front bass speaker
- R103 Left front midrange speaker
- T17d 17-pin connector, brown
- T27a 27-pin connector, black
- T32h 32-pin connector

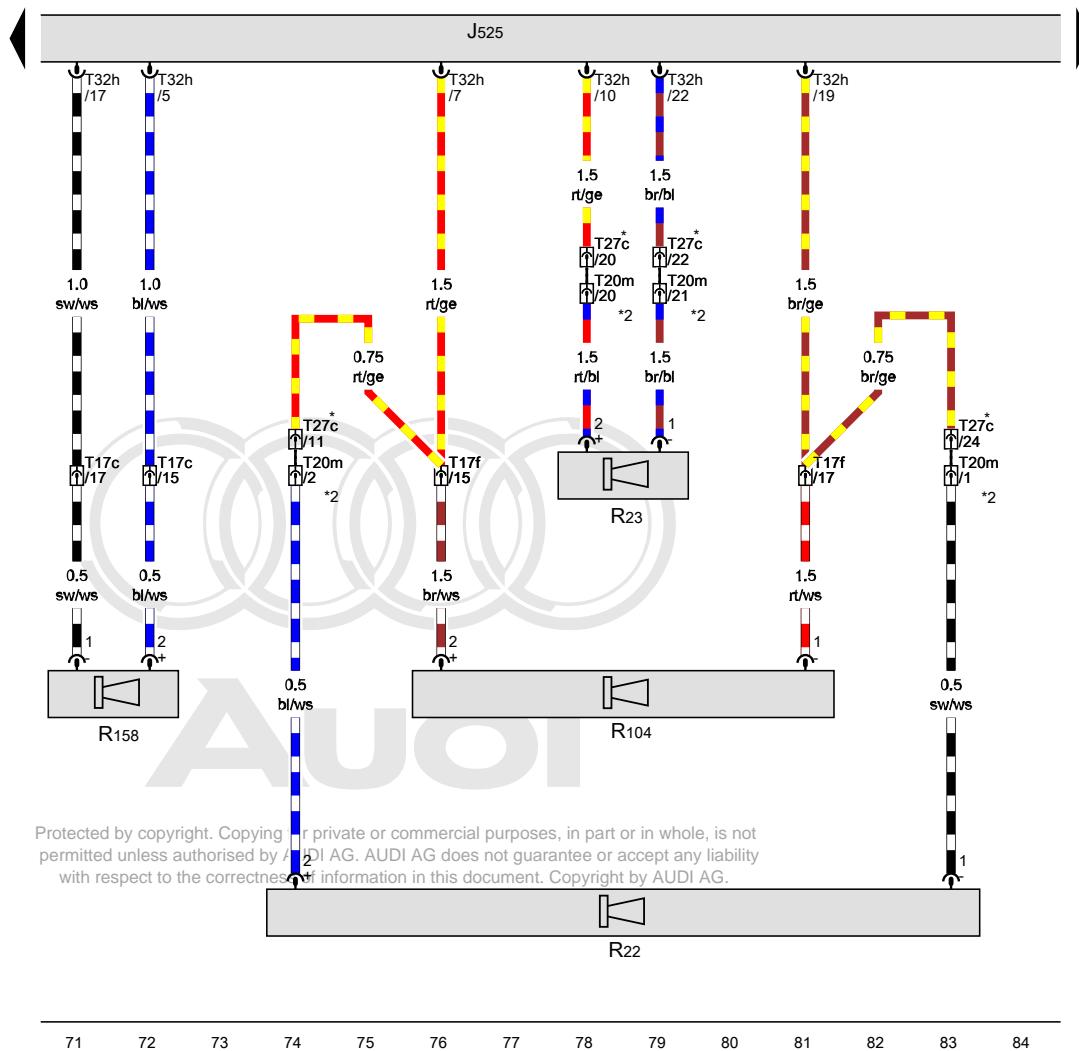


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

[83R-0170R1117]

Digital sound system control module, Right front treble speaker, Right front bass speaker, Right front midrange speaker, Center mid-treble speaker

- J525 Digital sound system control module
- R22 Right front treble speaker
- R23 Right front bass speaker
- R104 Right front midrange speaker
- R158 Center mid-treble speaker
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T20m 20-pin connector, black
- T27c 27-pin connector, black
- T32h 32-pin connector
- \* Omitted as a running change
- \*2 Running change



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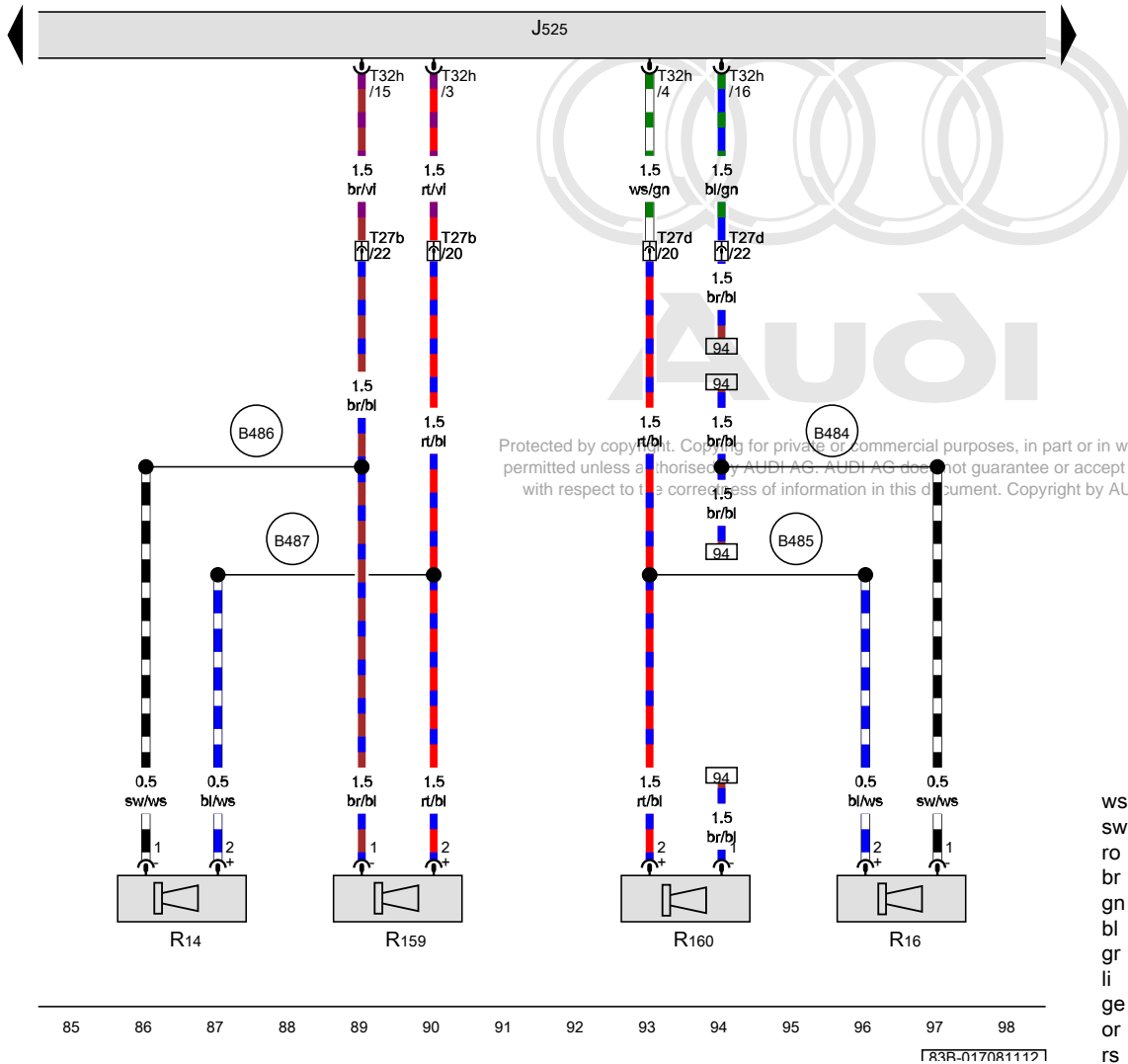
ws = white  
 sw = black  
 ro = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 ge = yellow  
 or = orange  
 rs = pink

[83B-017071112]

Digital sound system control module, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

- J525 Digital sound system control module
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T27b 27-pin connector, black
- T27d 27-pin connector, black
- T32h 32-pin connector

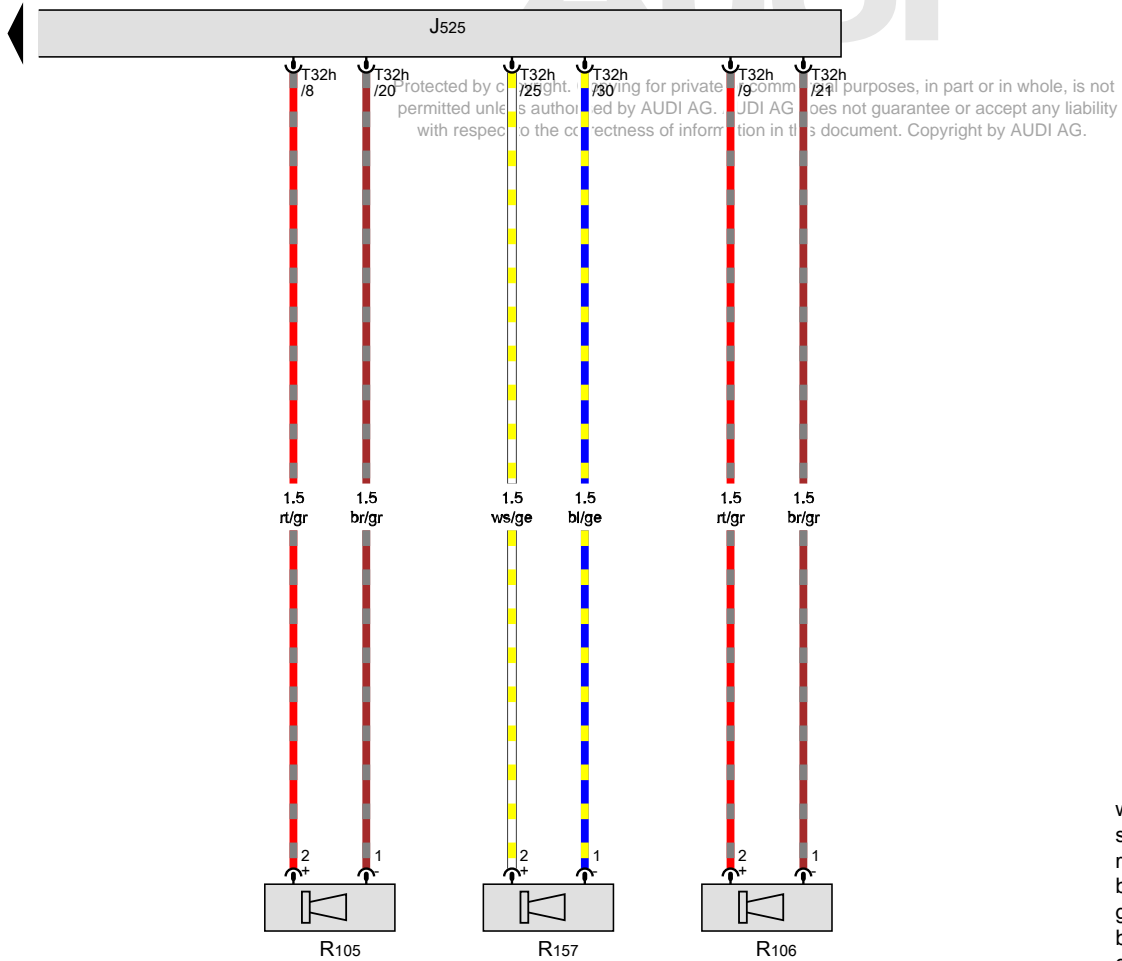
- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)





Digital sound system control module, Left rear midrange speaker, Right rear midrange speaker, Subwoofer in rear shelf

- J525 Digital sound system control module
- R105 Left rear midrange speaker
- R106 Right rear midrange speaker
- R157 Subwoofer in rear shelf, in the spare wheel well
- T32h 32-pin connector



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

## MMI (information electronics 1)

from September 2008



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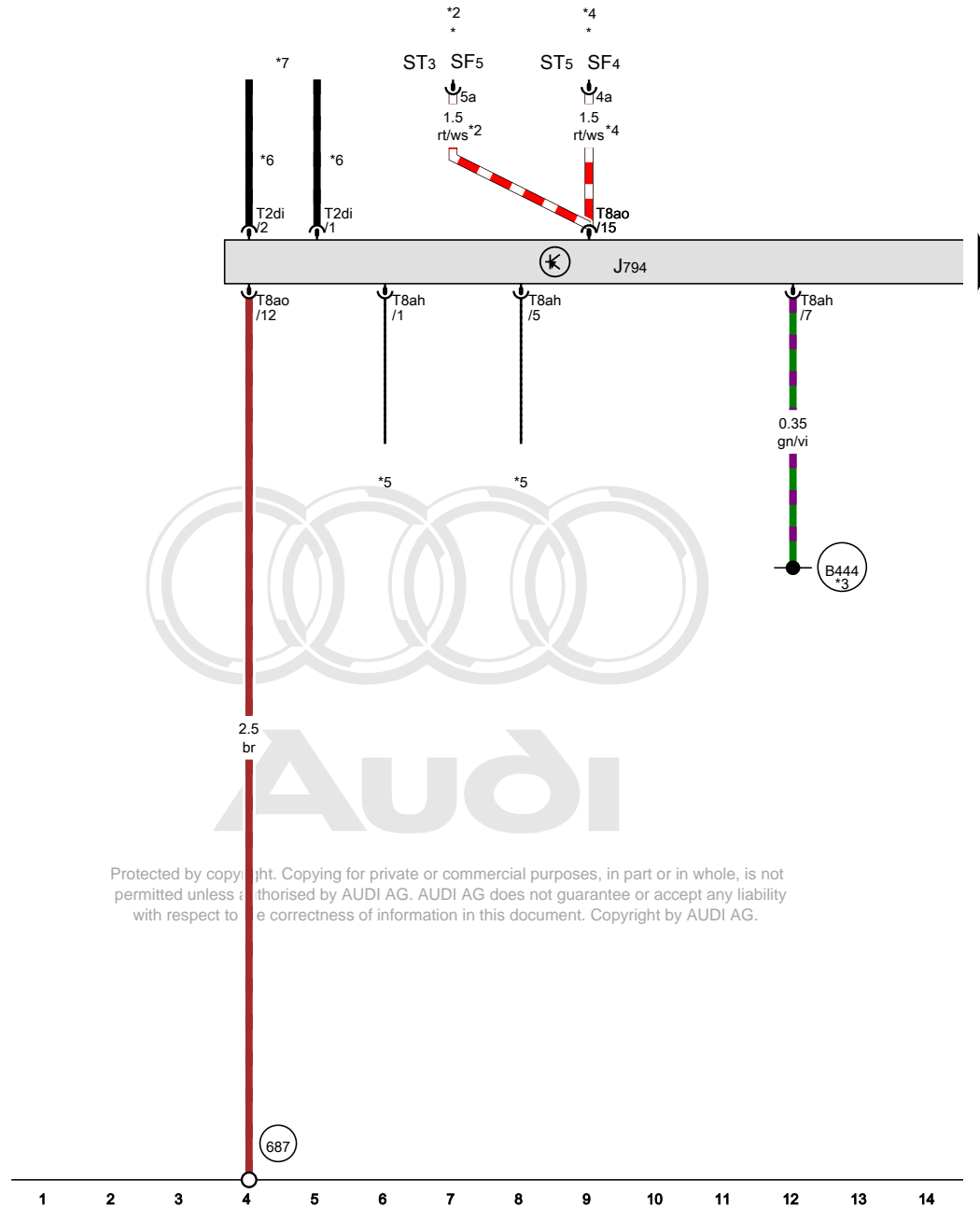
### Information electronics control module 1

- J794 Information electronics control module 1
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- ST5 Fuse panel 5
- T2di Double connector
- T8ah 8-pin connector
- T8ao 8-pin connector

687 Ground connection 1 on center tunnel

B444 OBD connection 1 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 through April 2009
- \*3 Refer to applicable wiring diagram for ring break diagnosis from May 2009
- \*5 Refer to applicable telephone systems wiring diagram
- \*6 Fiber optic cable
- \*7 Refer to applicable wiring diagram for data bus networking



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- br = brown
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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183R-0180209141

# Front information display control head, Information electronics control module 1

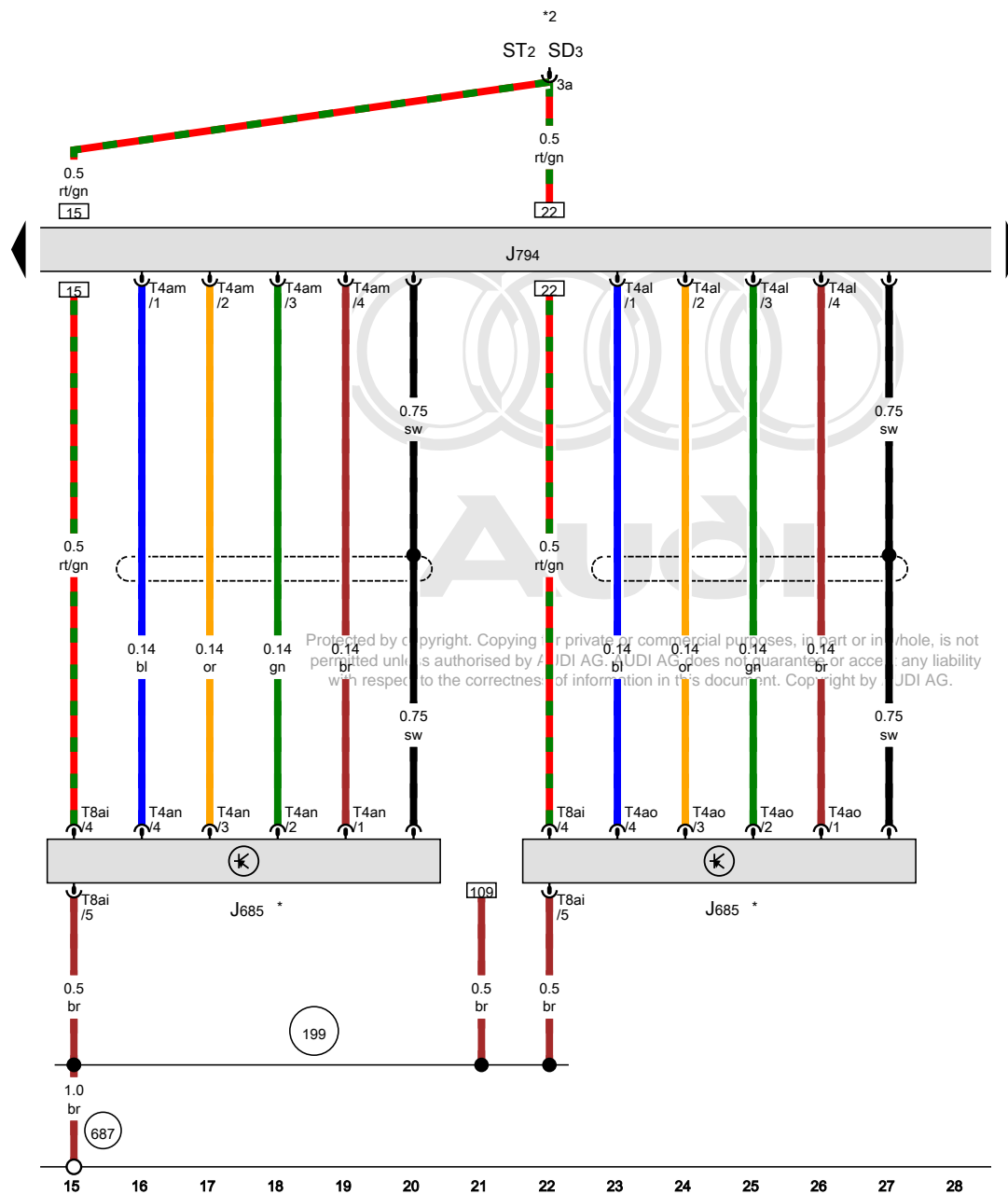
- J685 Front information display control head
- J794 Information electronics control module 1
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T4al 4-pin connector
- T4am 4-pin connector
- T4an 4-pin connector
- T4ao 4-pin connector
- T8ai 8-pin connector

199 Ground connection 3 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

\* Depending on equipment

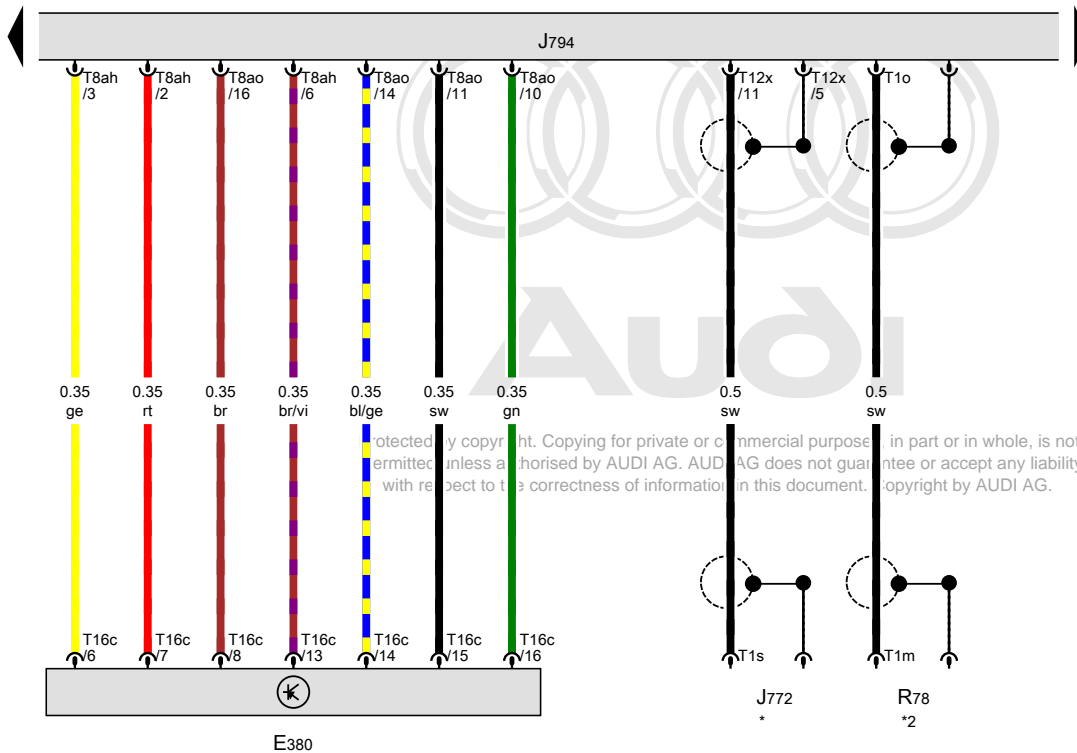
\*2 Refer to applicable wiring diagram for fuse positions



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

Multimedia system control head, Rearview camera system control module, Information electronics control module 1, TV tuner

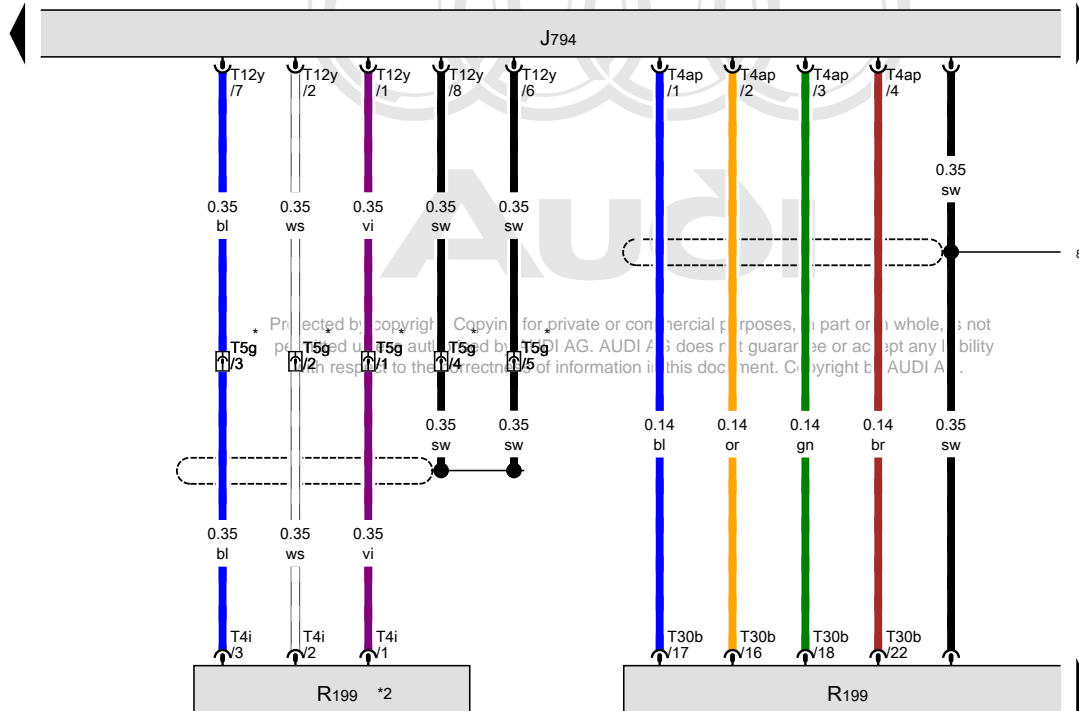
- E380 Multimedia system control head
- J772 Rearview camera system control module
- J794 Information electronics control module 1
- R78 TV tuner
- T1m Single connector
- T1o Single connector
- T1s Single connector
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12x 12-pin connector
- T16c 16-pin connector
- \* Only for vehicles with a rearview camera system
- \*2 Only for vehicles with TV tuner



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

Information electronics control module 1, External audio source connection

- J794 Information electronics control module 1
- R199 External audio source connection
- T4ap 4-pin connector
- T4i 4-pin connector
- T5g 5-pin connector
- T12y 12-pin connector
- T30b 30-pin connector
- \* Only for vehicles with center armrest
- \*2 Only for vehicles with external audio source connection - AUX-In connection



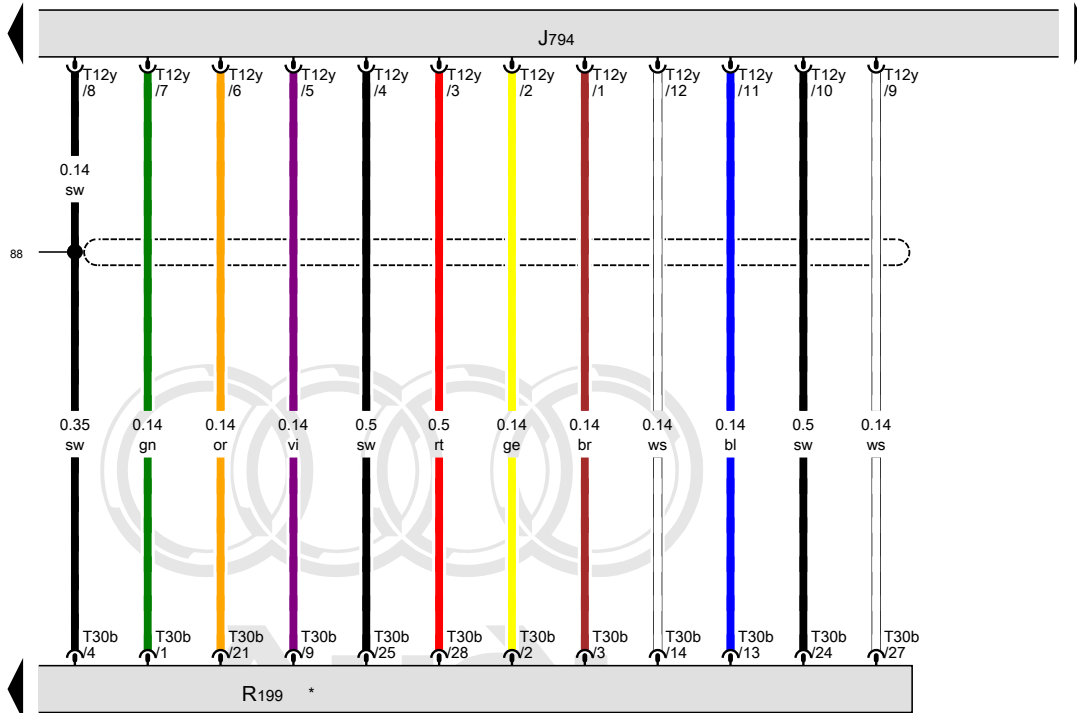
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

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

183B-018050914

### Information electronics control module 1, External audio source connection

- J794 Information electronics control module 1
- R199 External audio source connection
- T12y 12-pin connector
- T30b 30-pin connector
- \* Only for vehicles with external audio source connection - Audi music interface



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

Information electronics control module 1, GPS antenna, Telephone antenna, Satellite antenna, Auxiliary heater antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Parking heater radio receiver
- R65 Telephone antenna
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R216 Roof antenna
- T1ae Single connector, purple
- T1af Single connector, blue
- T1ag Single connector, light brown
- T1ah Single connector, green
- T1i Single connector
- T1n Single connector

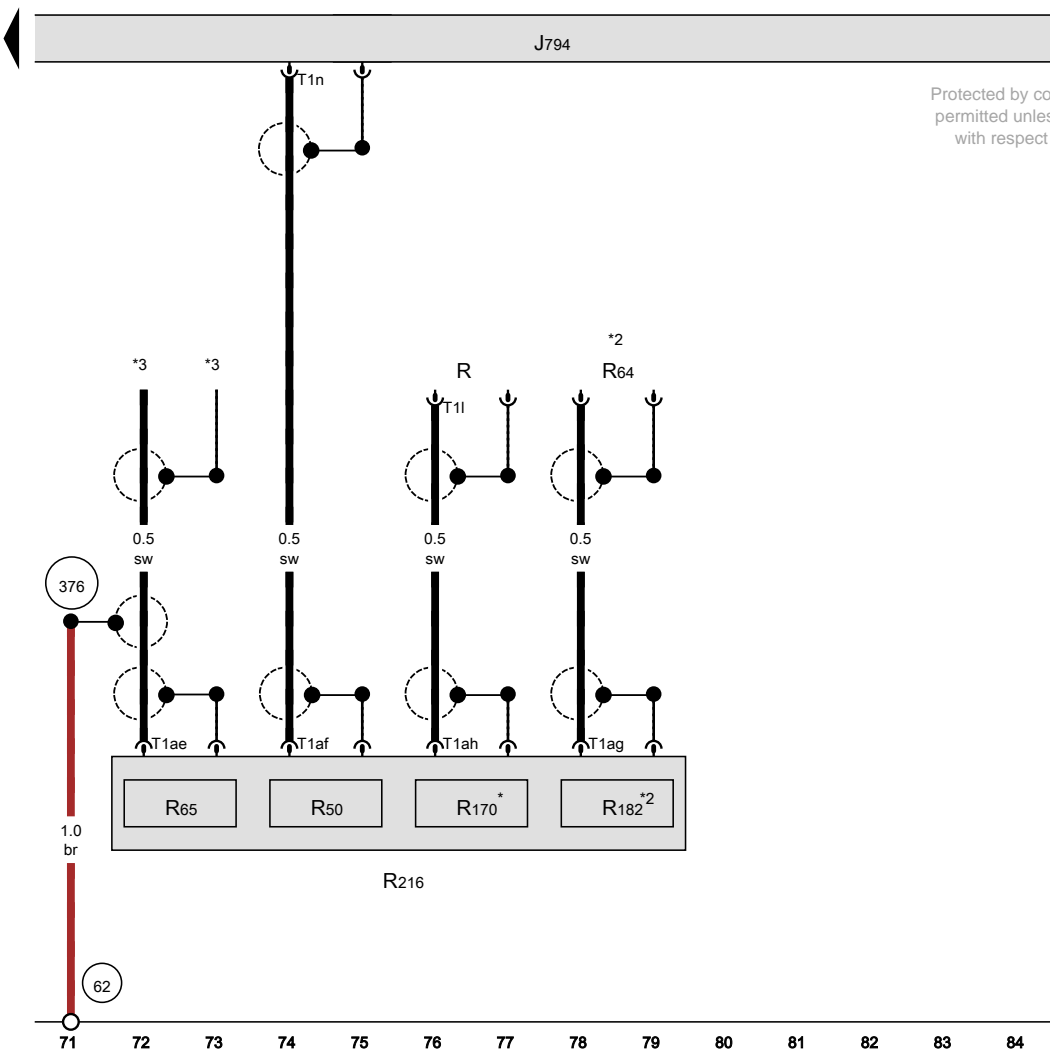
62 Ground connection on right C-pillar

376 Ground connection 11 (in main wiring harness)

\* USA only

\*2 Only for vehicles with an auxiliary heater

\*3 Refer to applicable telephone systems wiring diagram



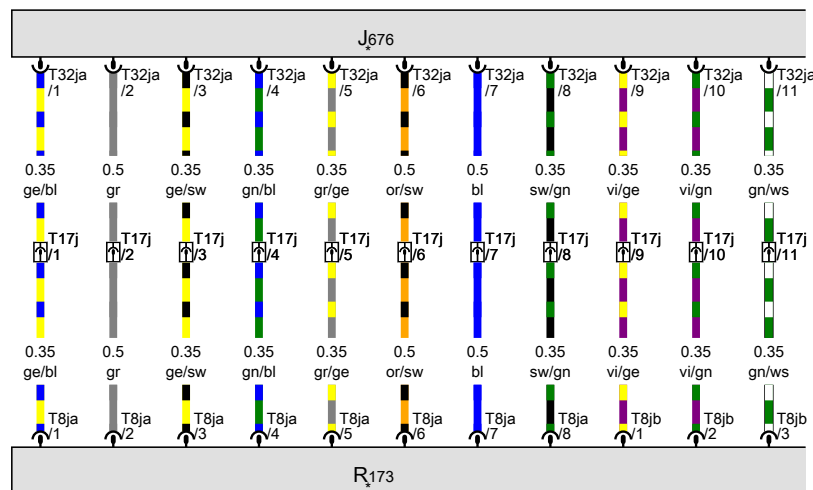
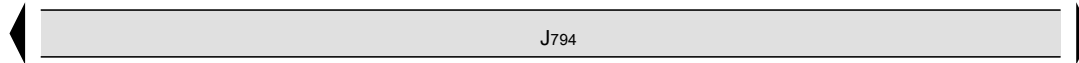
ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

[R3B-018070914]



Chip card reader control module, Information electronics control module 1, Traffic data antenna

- J676 Chip card reader control module
- J794 Information electronics control module 1
- R173 Traffic data antenna
- T8ja 8-pin connector
- T8jb 8-pin connector
- T17j 17-pin connector, green
- T32ja 32-pin connector
- \* Only for vehicles with Japan equipment



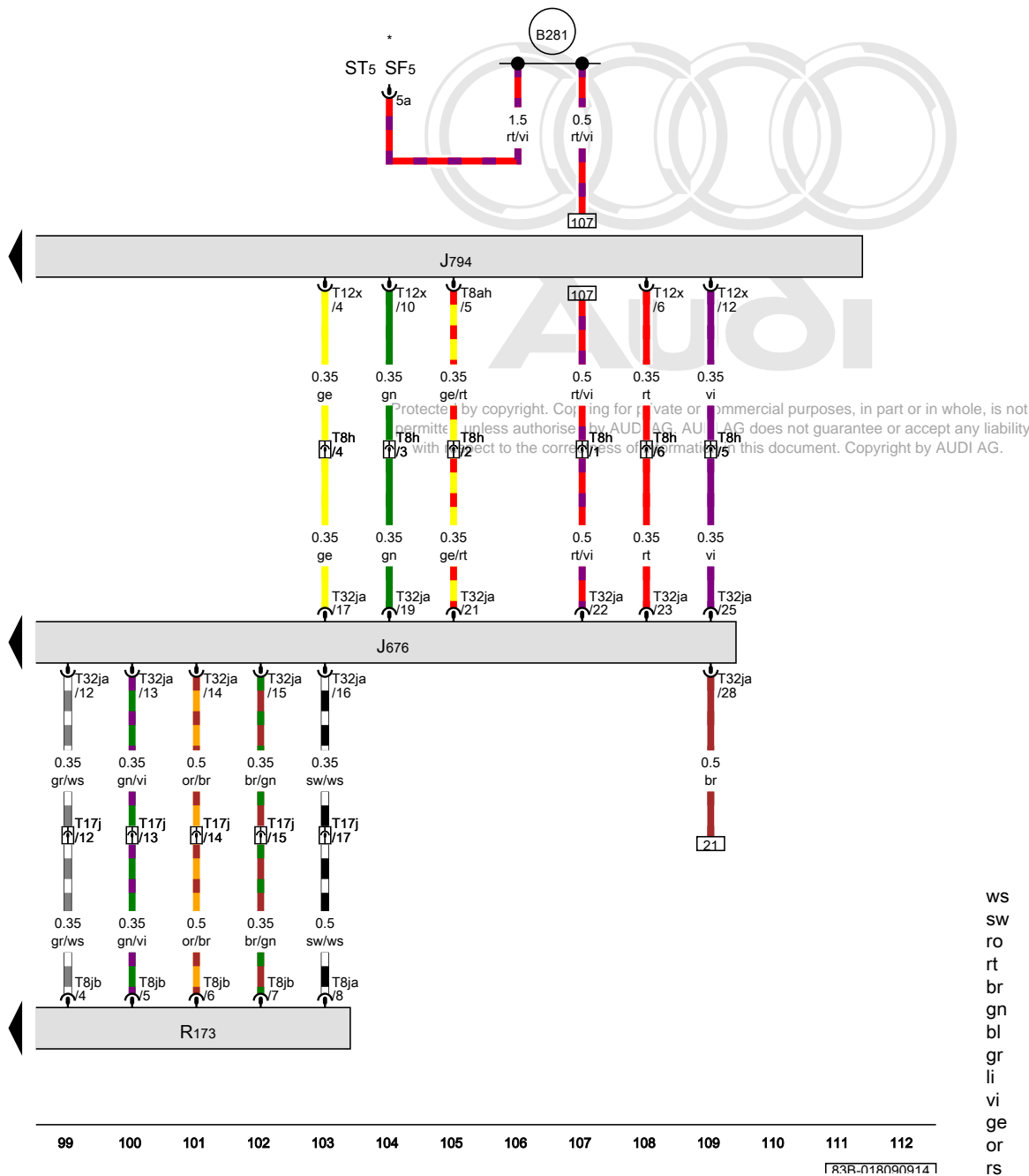
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

Chip card reader control module, Information electronics control module 1, Traffic data antenna

- J676 Chip card reader control module
- J794 Information electronics control module 1
- R173 Traffic data antenna
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T8ah 8-pin connector
- T8h 8-pin connector, black
- T8ja 8-pin connector
- T8jb 8-pin connector
- T12x 12-pin connector
- T17j 17-pin connector, green
- T32ja 32-pin connector

B281 Positive connection 5 (15a) (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions



**Cell phone preparation (Infotainment CAN bus) - USA**

from September 2008



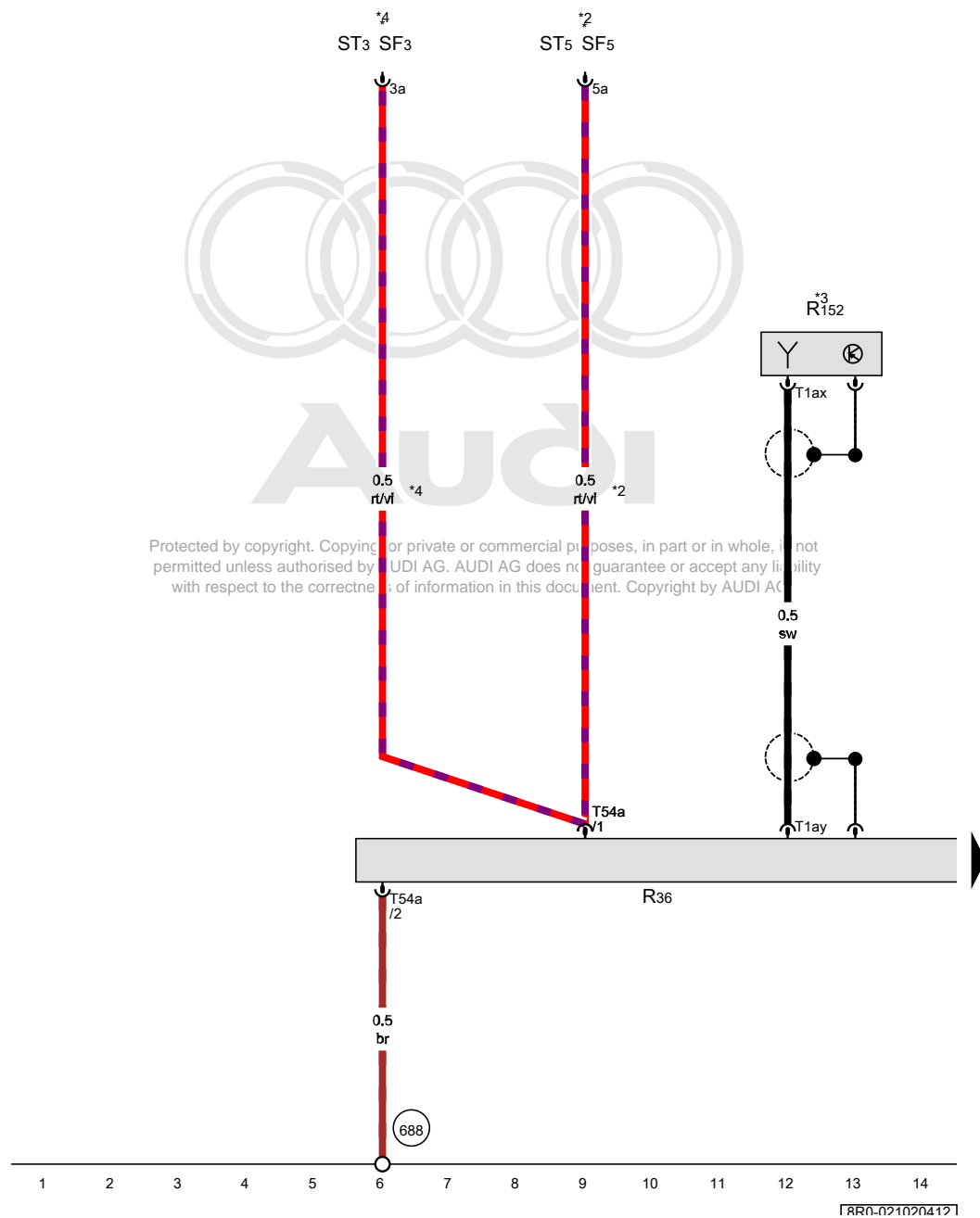
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Telephone transceiver, Bluetooth antenna

- R36 Telephone transceiver
- R152 Bluetooth antenna
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- ST5 Fuse panel 5
- T1ax Single connector
- T1ay Single connector
- T54a 54-pin connector

688 Ground connection 2 on center tunnel

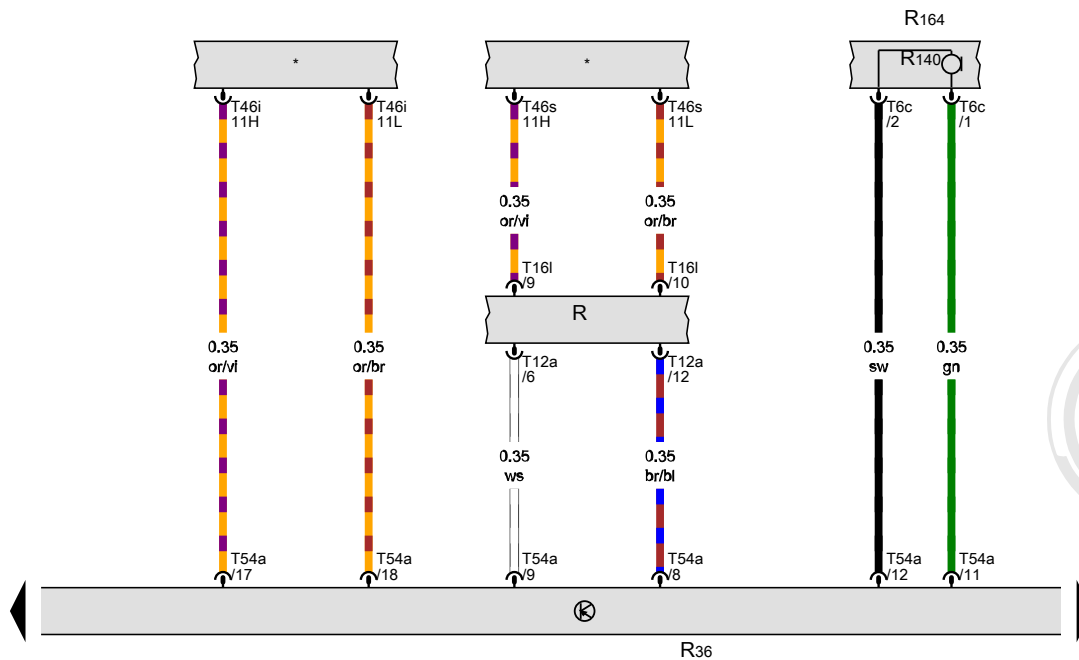
- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 Only for vehicles with Bluetooth
- \*4 through April 2009



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

Radio, Telephone transceiver, Left front microphone,  
Microphone unit in front roof module

- R Radio
- R36 Telephone transceiver
- R140 Left front microphone
- R164 Microphone unit in front roof module
- T6c 6-pin connector
- T12a 12-pin connector
- T16l 16-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- T54a 54-pin connector
- \* Refer to applicable wiring diagram

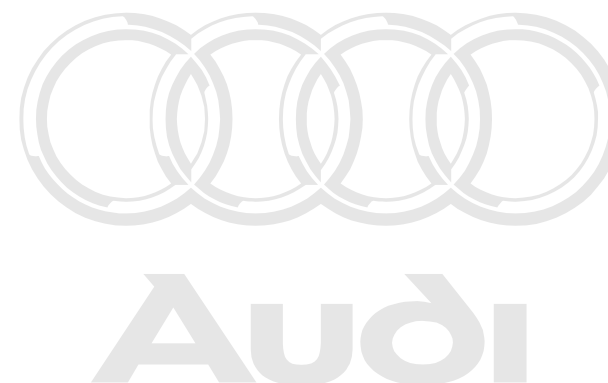
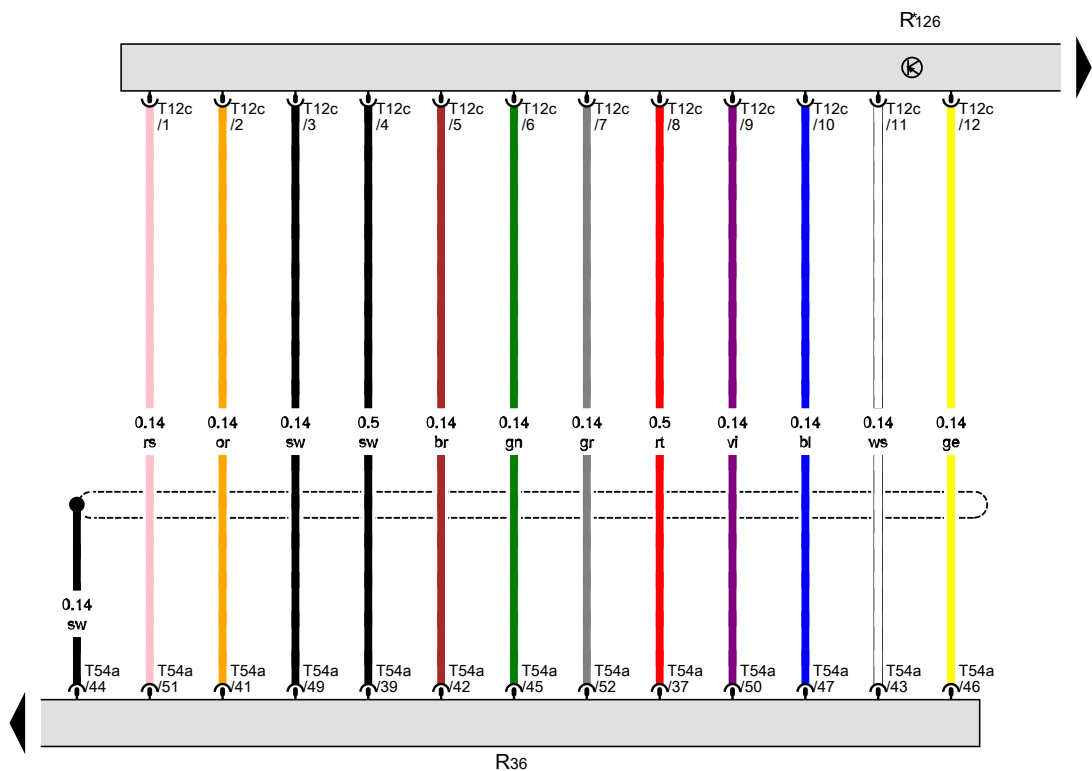


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- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Telephone transceiver, Telephone baseplate

- R36 Telephone transceiver
- R126 Telephone baseplate
- T12c 12-pin connector
- T54a 54-pin connector
- \* Depending on equipment



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

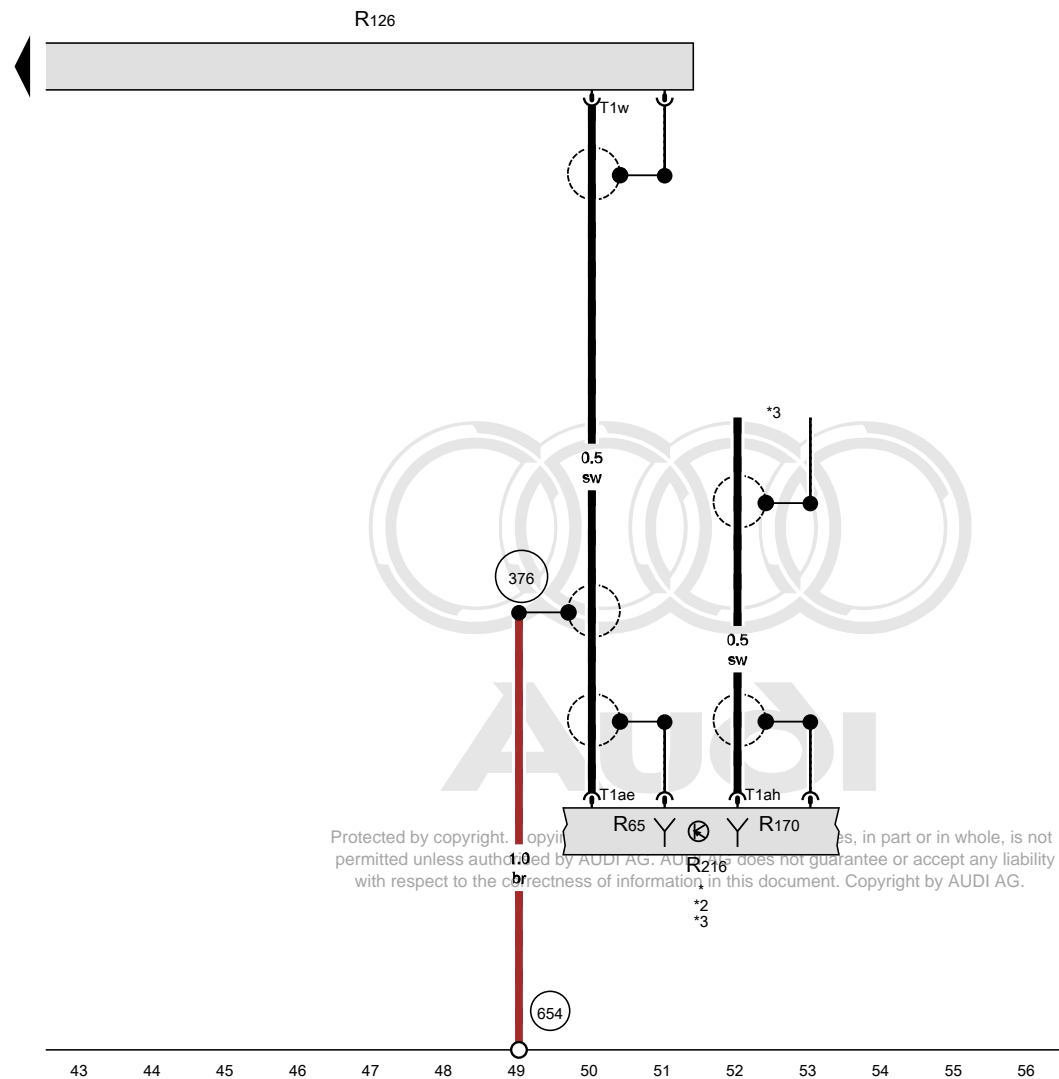
Telephone antenna, Telephone baseplate, Satellite antenna, Roof antenna

- R65 Telephone antenna
- R126 Telephone baseplate
- R170 Satellite antenna
- R216 Roof antenna
- T1ae Single connector
- T1ah Single connector
- T1w Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Roof antenna
- \*2 Only for vehicles with 2-door equipment
- \*3 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

18R0-0210504121

## Radio with basic and basic plus sound system

from September 2008

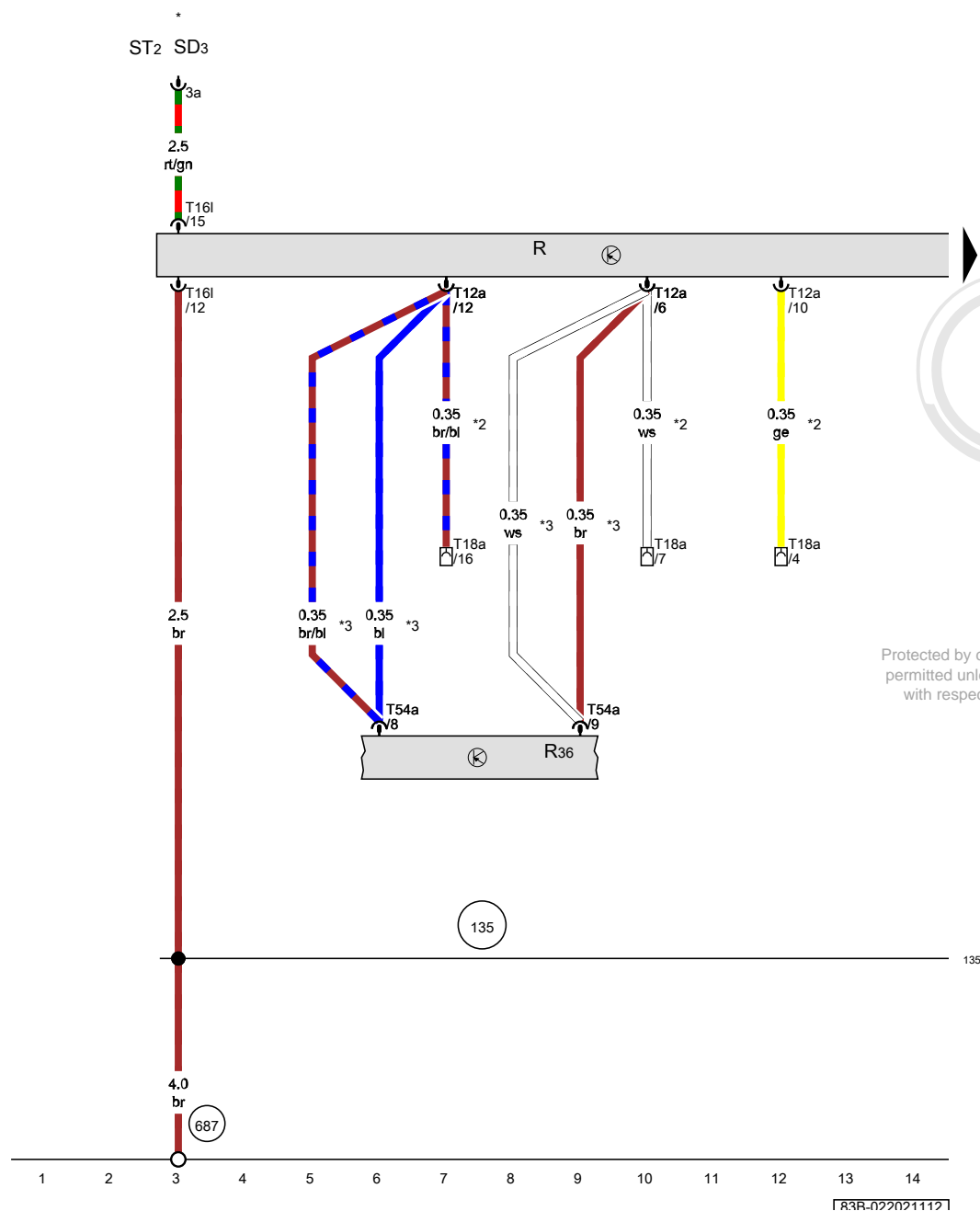


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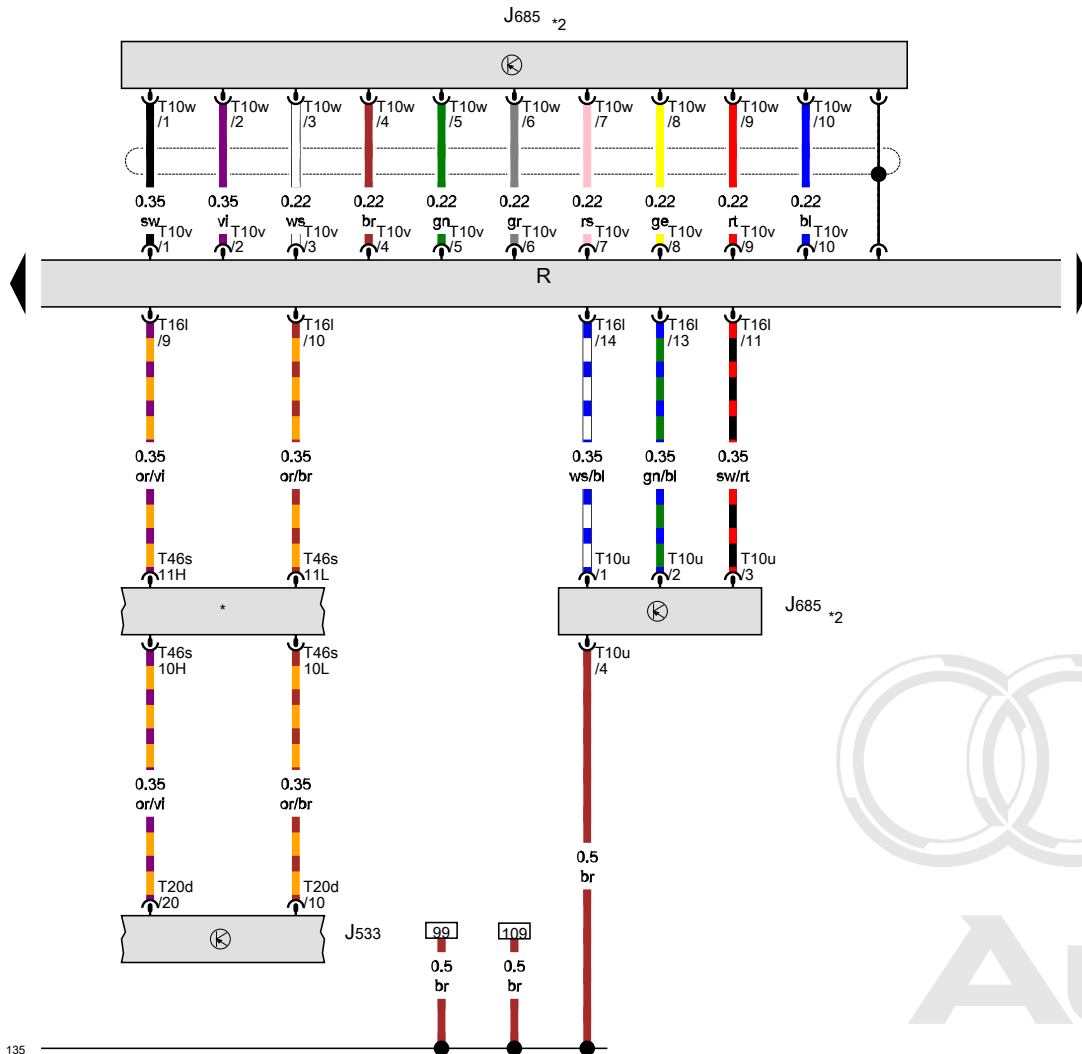
# Radio, Telephone transceiver

- R Radio
- R36 Telephone transceiver
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T12a 12-pin connector
- T16l 16-pin connector
- T18a 18-pin connector
- T54a 54-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Omitted as a running change
- \*3 The color of the wires depends on vehicle equipment



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

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## Data bus on board diagnostic interface, Front information display control head, Radio

- J533 Data bus on board diagnostic interface
- J685 Front information display control head
- R Radio
- T10u 10-pin connector
- T10v 10-pin connector
- T10w 10-pin connector
- T16l 16-pin connector
- T20d 20-pin connector
- T46s 46-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

\* Refer to applicable wiring diagram

\*2 Depending on equipment



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

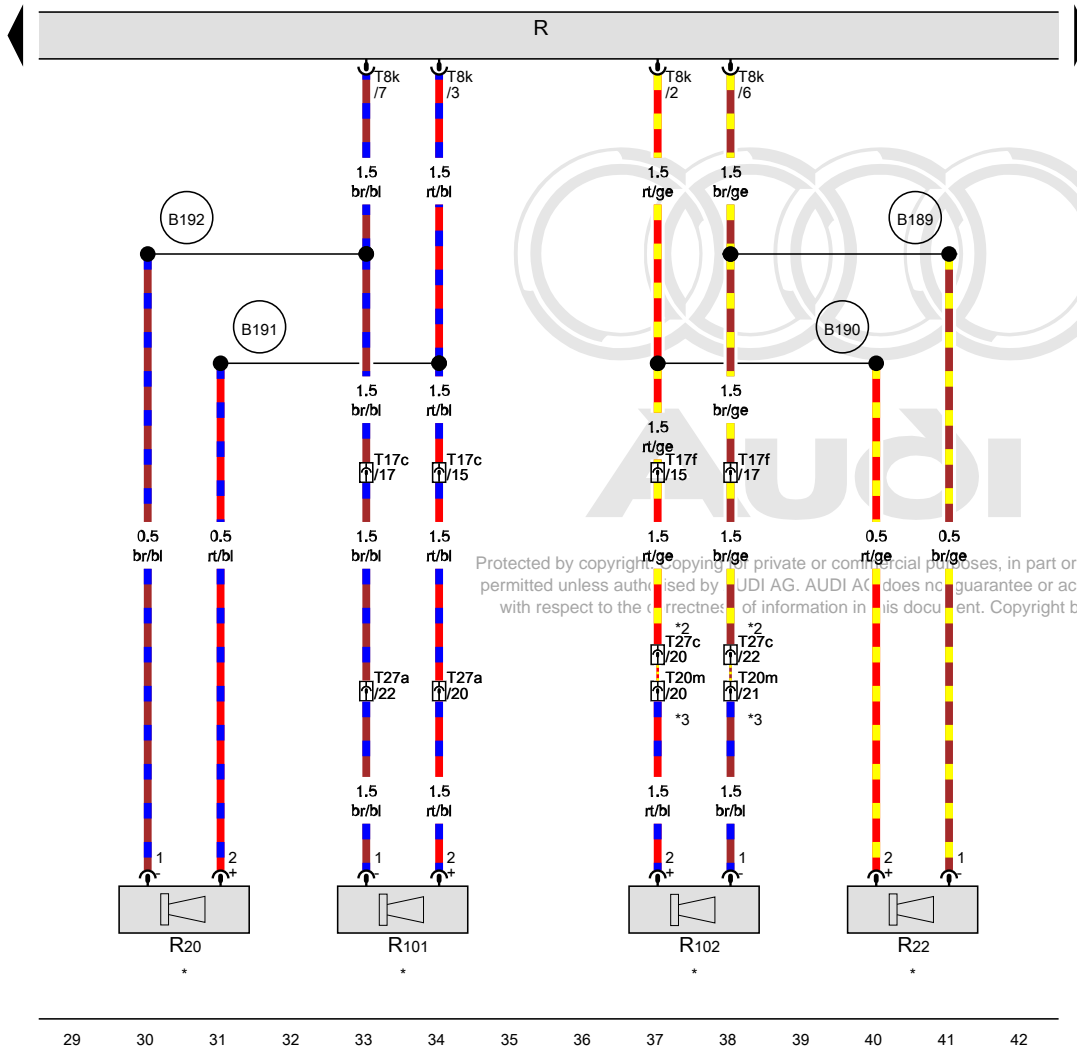
Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- T8k 8-pin connector
- T17c 17-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T27a 27-pin connector
- T27c 27-pin connector

- B189 Right front speaker positive connection (in interior wiring harness)
- B190 Right front speaker negative connection (in interior wiring harness)
- B191 Left front speaker positive connection (in interior wiring harness)
- B192 Left front speaker negative connection (in interior wiring harness)

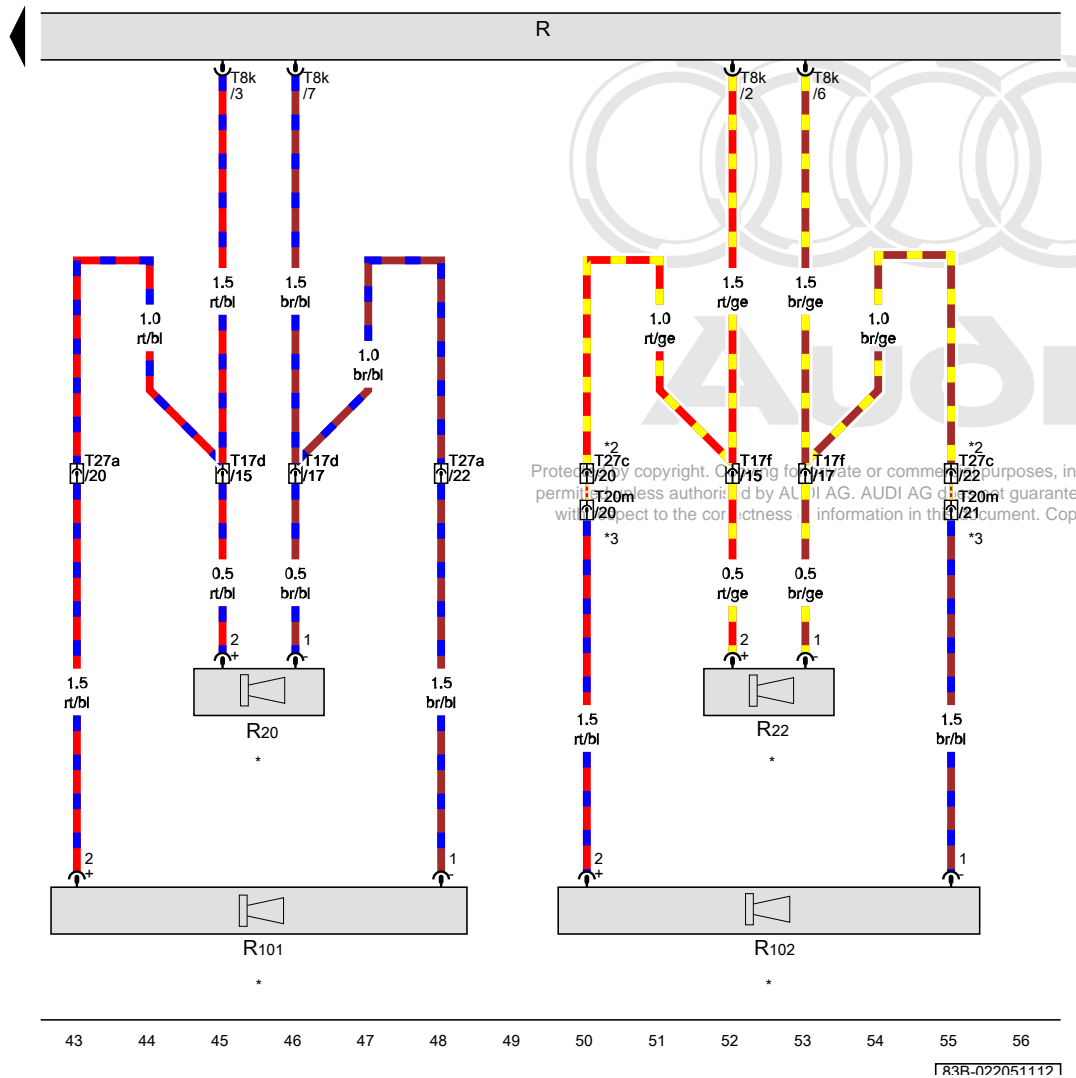
- \* Depending on equipment
- \*2 Omitted as a running change
- \*3 Running change

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



Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- T8k 8-pin connector
- T17d 17-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T27a 27-pin connector
- T27c 27-pin connector
- \* Depending on equipment
- \*2 Omitted as a running change
- \*3 Running change

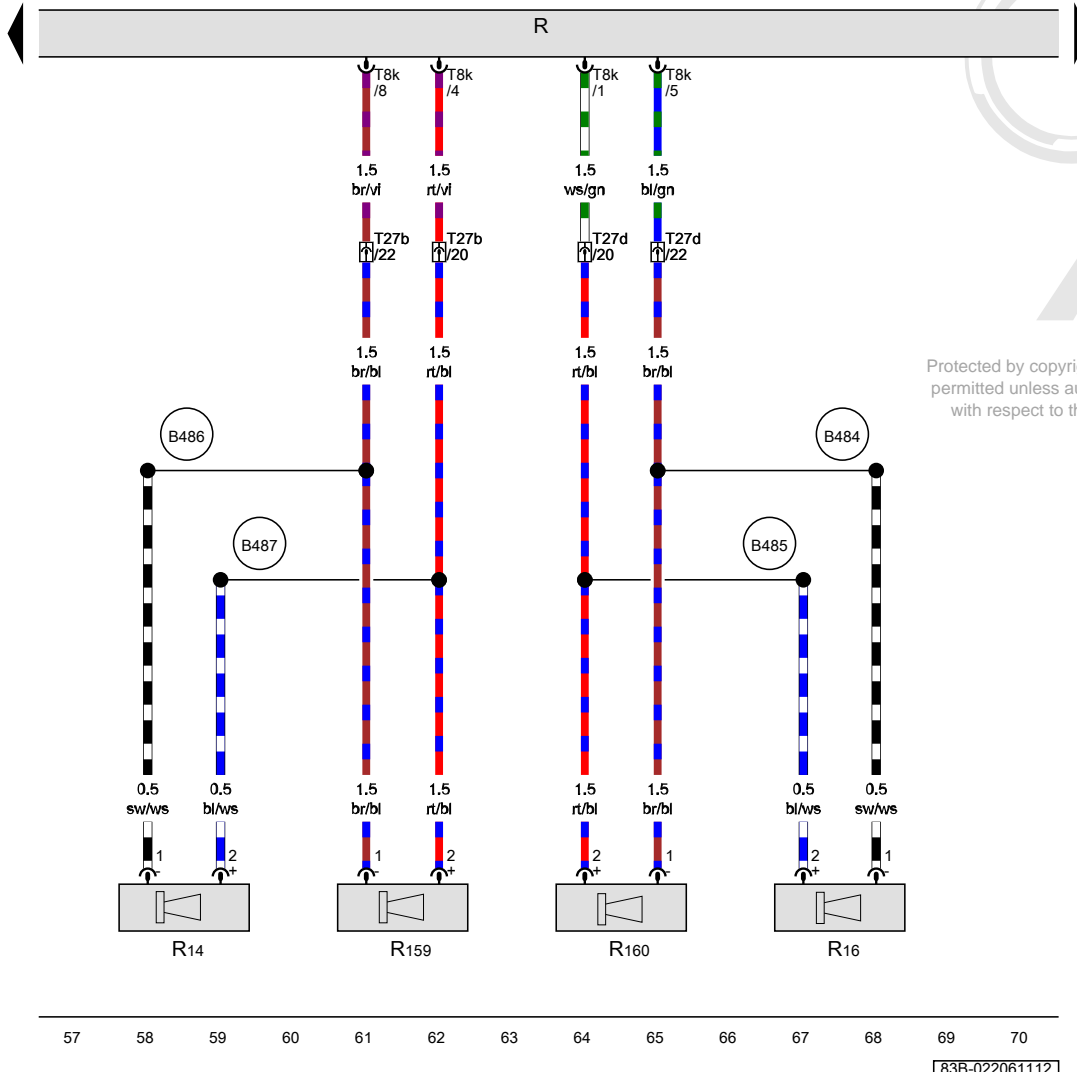


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Left rear treble speaker, Right rear treble speaker,  
Left rear mid-bass speaker, Right rear mid-bass speaker

- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8k 8-pin connector
- T27b 27-pin connector
- T27d 27-pin connector

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (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

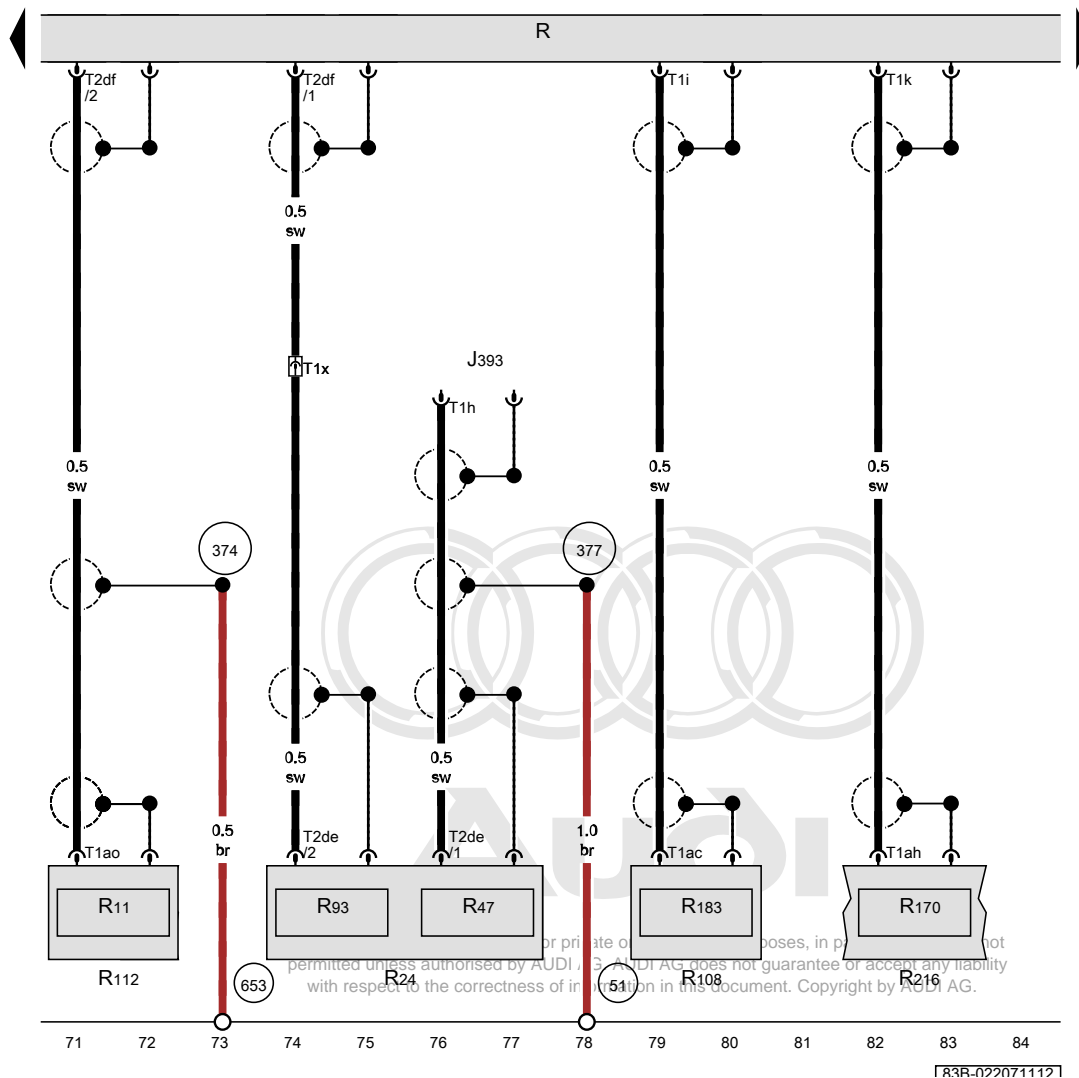
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Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, Radio antenna 2, Left antenna module, Antenna amplifier 3, Satellite antenna, Digital radio antenna, Roof antenna

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier, Rear window, lower left
- R47 Central locking and anti-theft alarm system antenna
- R93 Radio antenna 2
- R108 Left antenna module, in the left side window
- R112 Antenna amplifier 3, on the rear window
- R170 Satellite antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ah Single connector
- T1ao Single connector
- T1h Single connector
- T1i Single connector
- T1k Single connector
- T1x Single connector
- T2de Double connector
- T2df Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

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



# Radio, External audio source connection

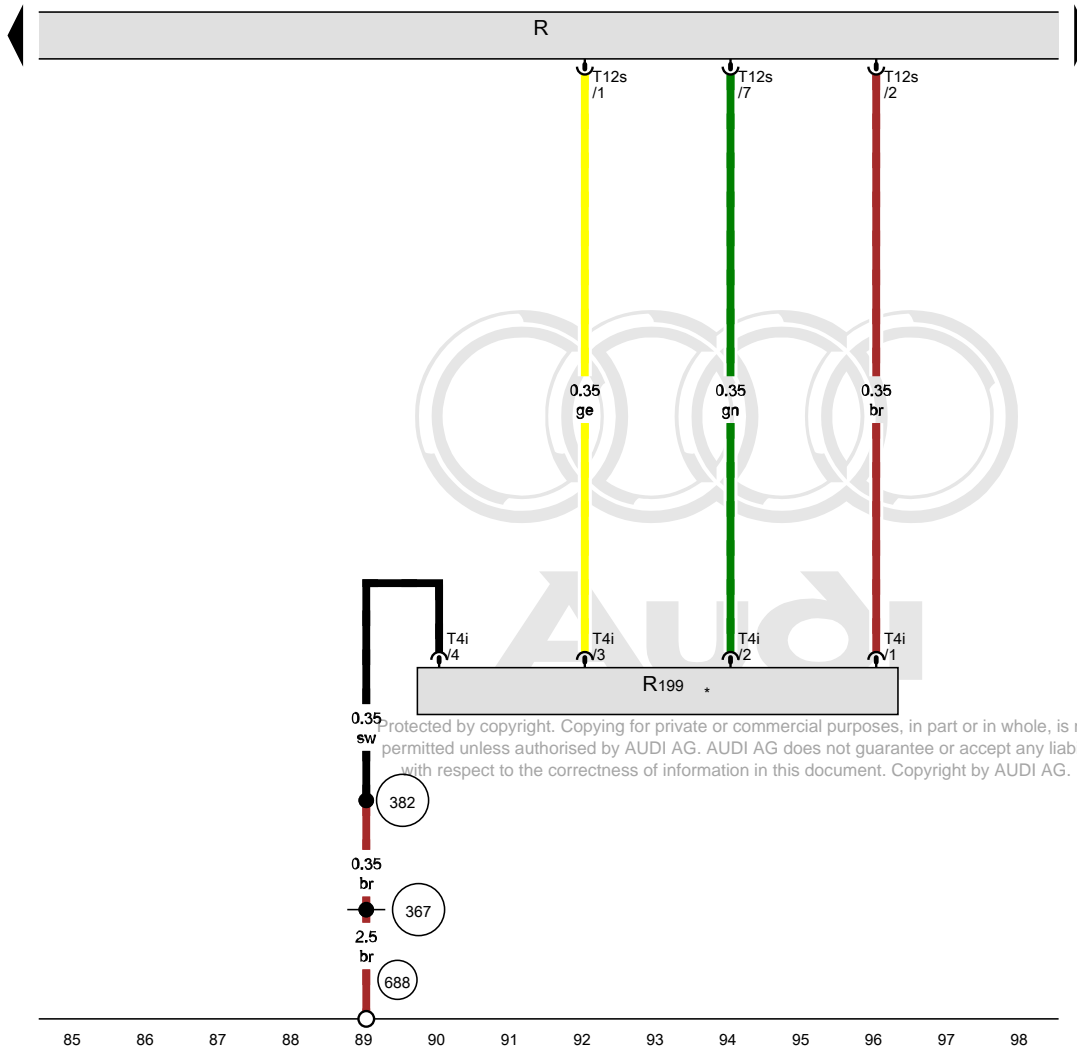
R Radio  
R199 External audio source connection  
T4i 4-pin connector  
T12s 12-pin connector

367 Ground connection 2 (in main wiring harness)

382 Ground connection 17 (in main wiring harness)

688 Ground connection 2 on center tunnel

\* Only for vehicles with external audio source connection - AUX-In connection



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

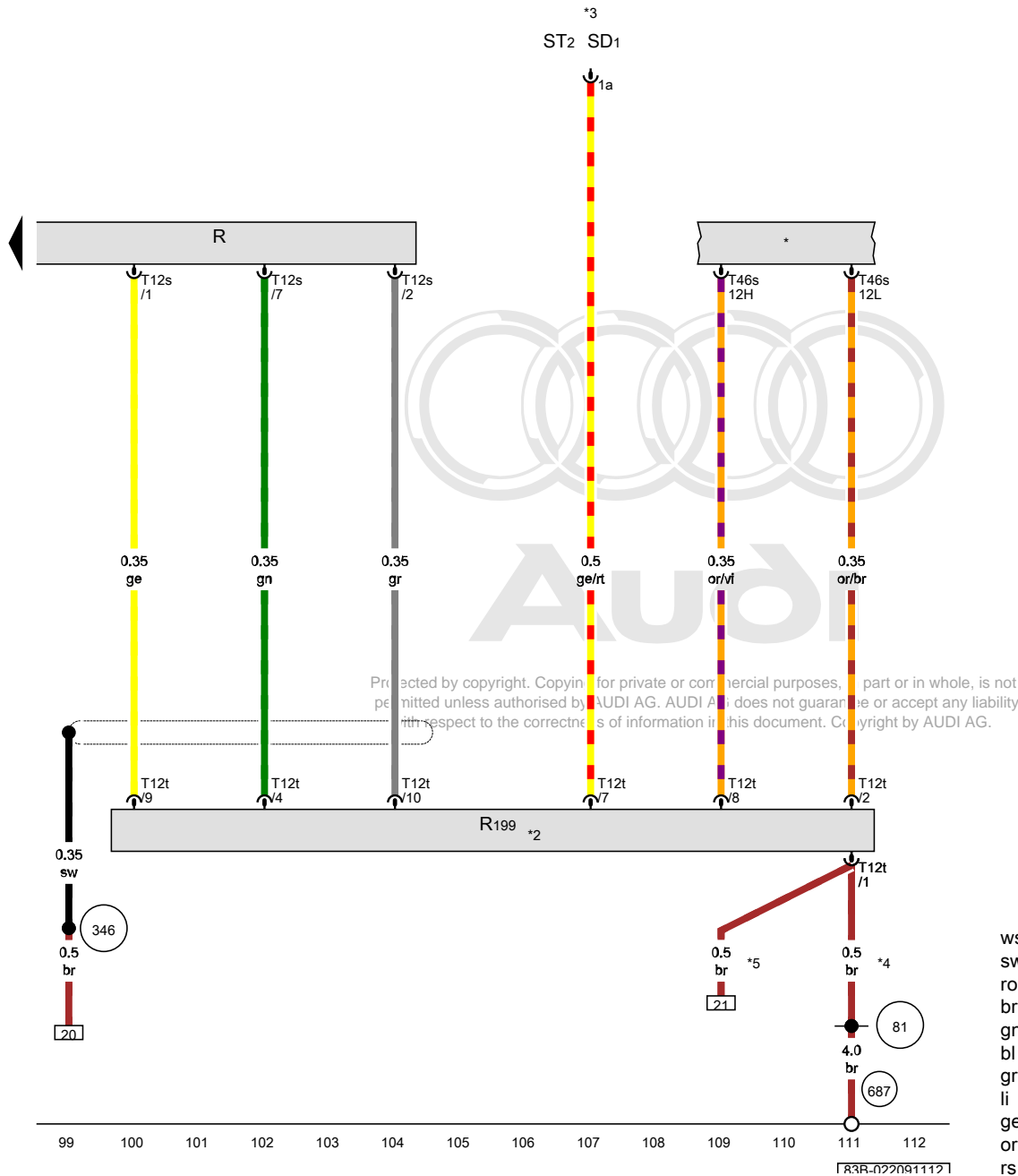
13R-0220R11171

## Radio

- R Radio
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T12s 12-pin connector
- T12t 12-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 346 Audio ground connection (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel

- \* Refer to applicable wiring diagram
- \*2 Only for vehicles with external audio source connection - Audi music interface
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 Running change
- \*5 Omitted as a running change





**Radio with standard sound system**

from September 2008



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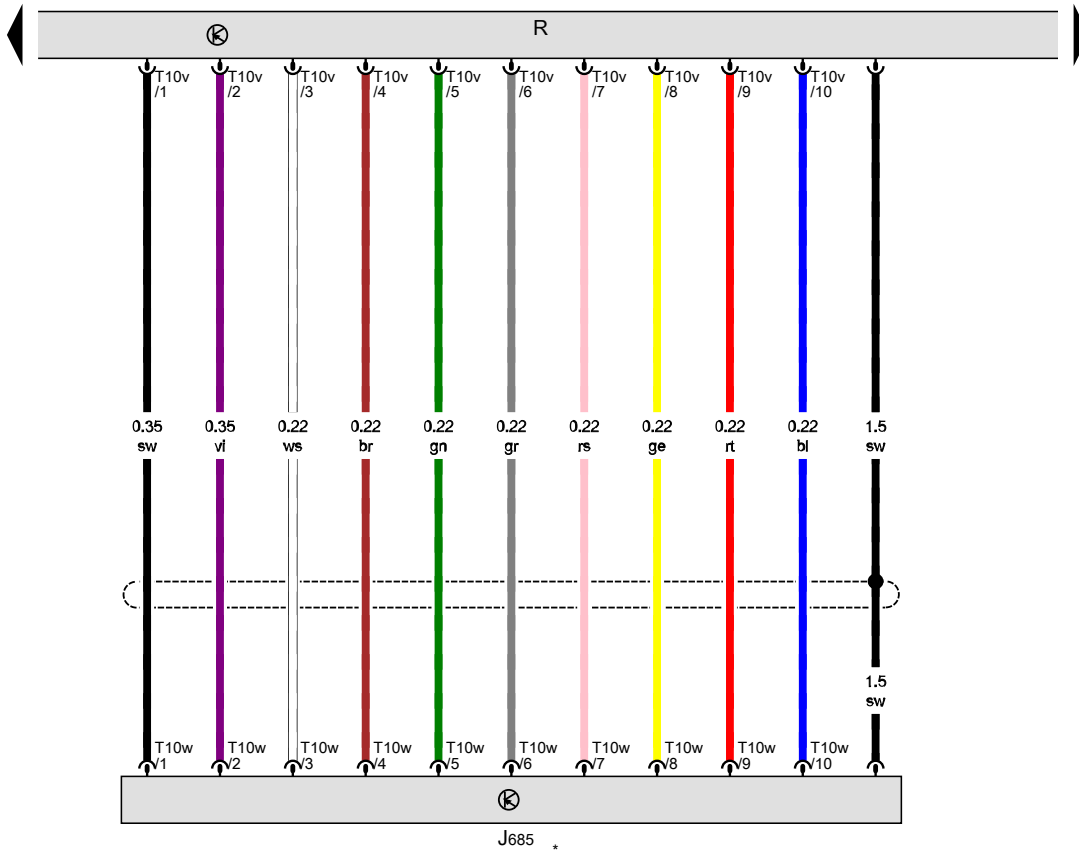


R	Radio
R36	Telephone transceiver
ST2	Fuse panel 2
SD3	Fuse 3 (on fuse panel D)
T12a	12-pin connector
T16l	16-pin connector
T18a	18-pin connector
T54a	54-pin connector
135	Ground connection 2 (in instrument panel wiring harness)
687	Ground connection 1 on center tunnel
*	Refer to applicable wiring diagram for fuse positions
*2	Omitted as a running change
*3	The color of the wires depends on vehicle equipment

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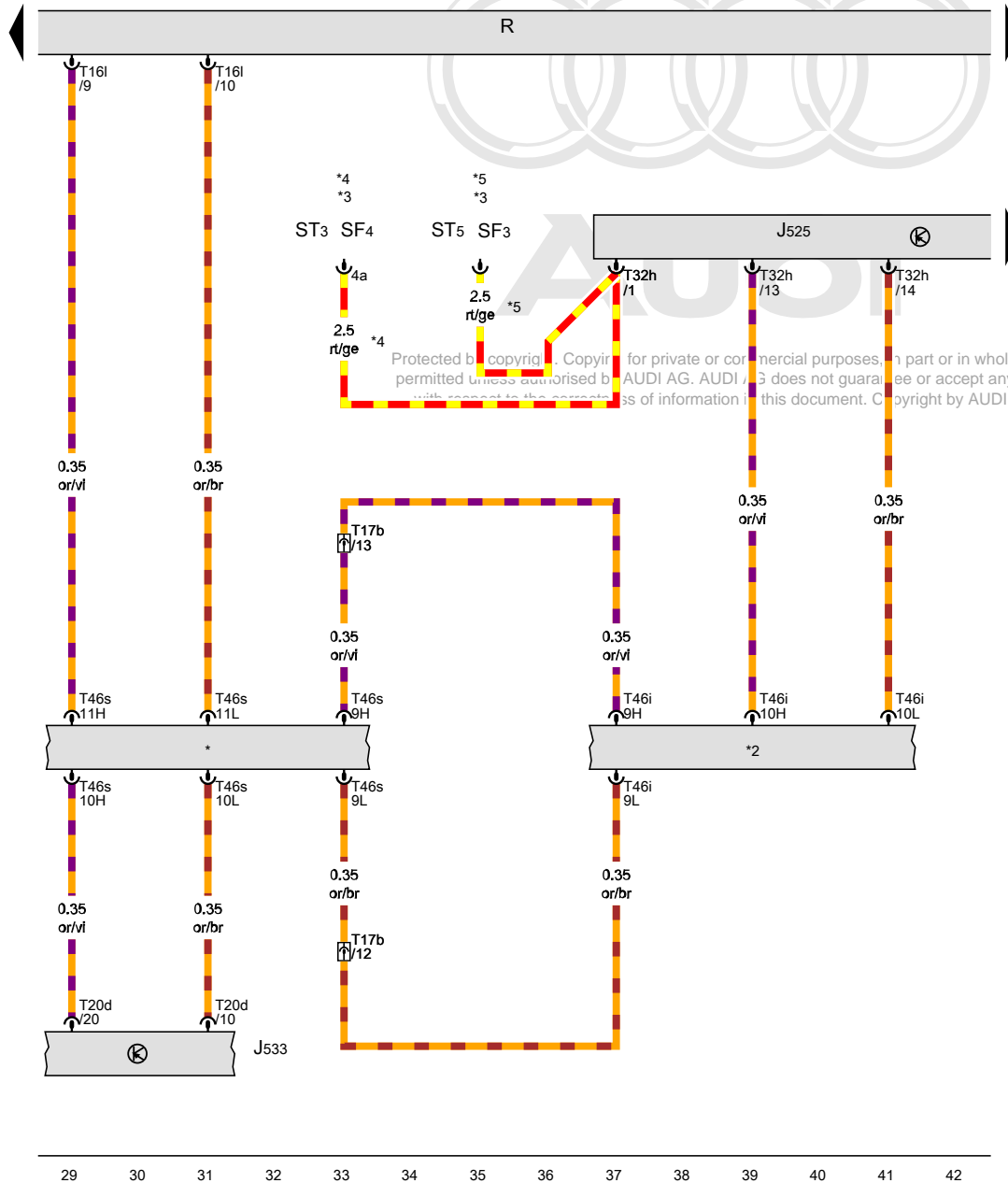
### Front information display control head, Radio

- J685 Front information display control head
- R Radio
- T10v 10-pin connector
- T10w 10-pin connector
- \* Optional equipment



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



# Digital sound system control module, Data bus on board diagnostic interface, Radio

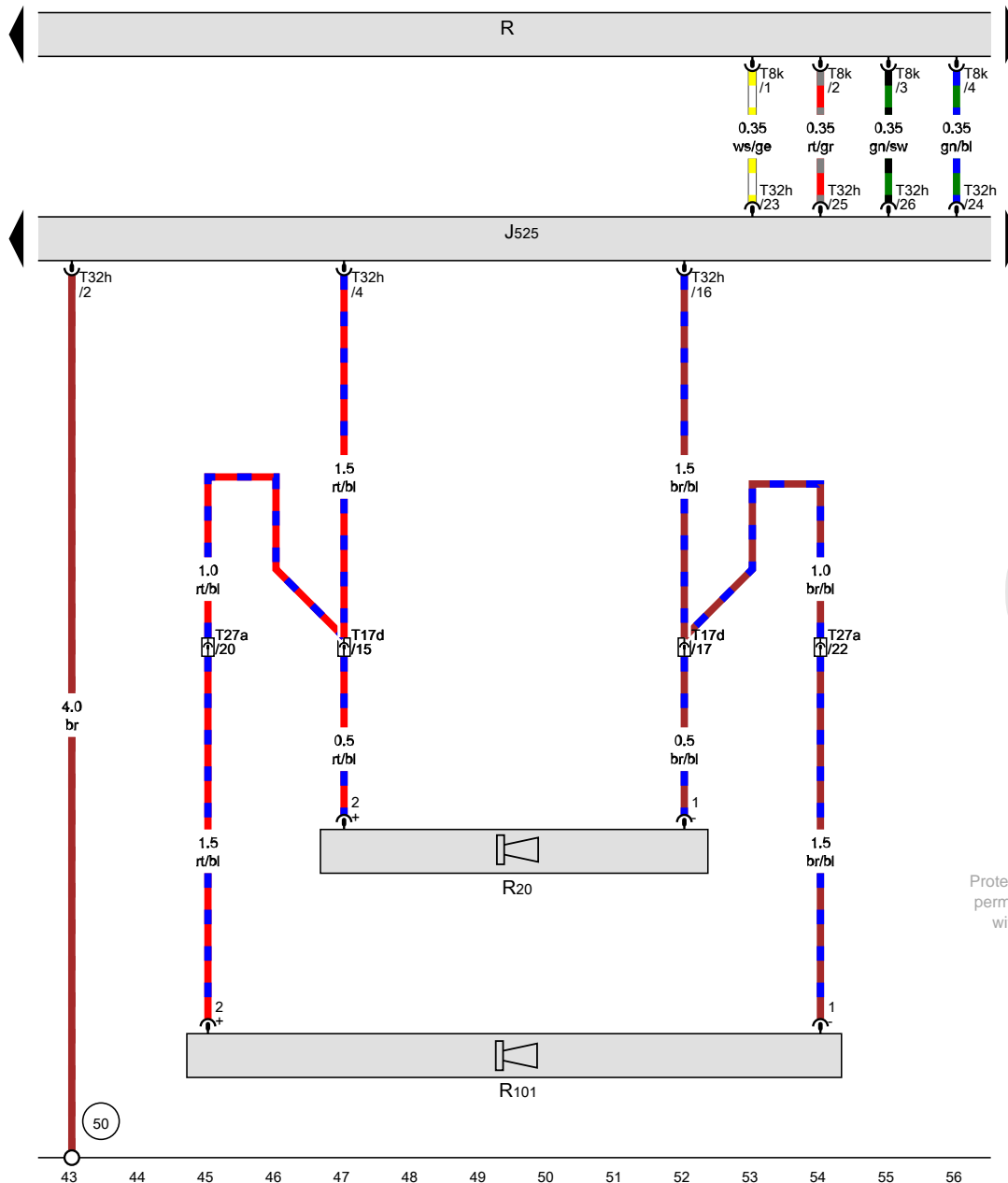
- J525 Digital sound system control module
- J533 Data bus on board diagnostic interface
- R Radio
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T16i 16-pin connector
- T17b 17-pin connector, blue
- T20d 20-pin connector
- T32h 32-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- \* Front passenger connection bridge, brown
- \*2 Driver connection bridge, brown
- \*3 Refer to applicable wiring diagram for fuse positions through April 2009
- \*4 through April 2009
- \*5 from May 2009

ws = white  
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 or = orange  
 rs = pink

Digital sound system control module, Radio, Left front treble speaker, Left front mid-bass speaker

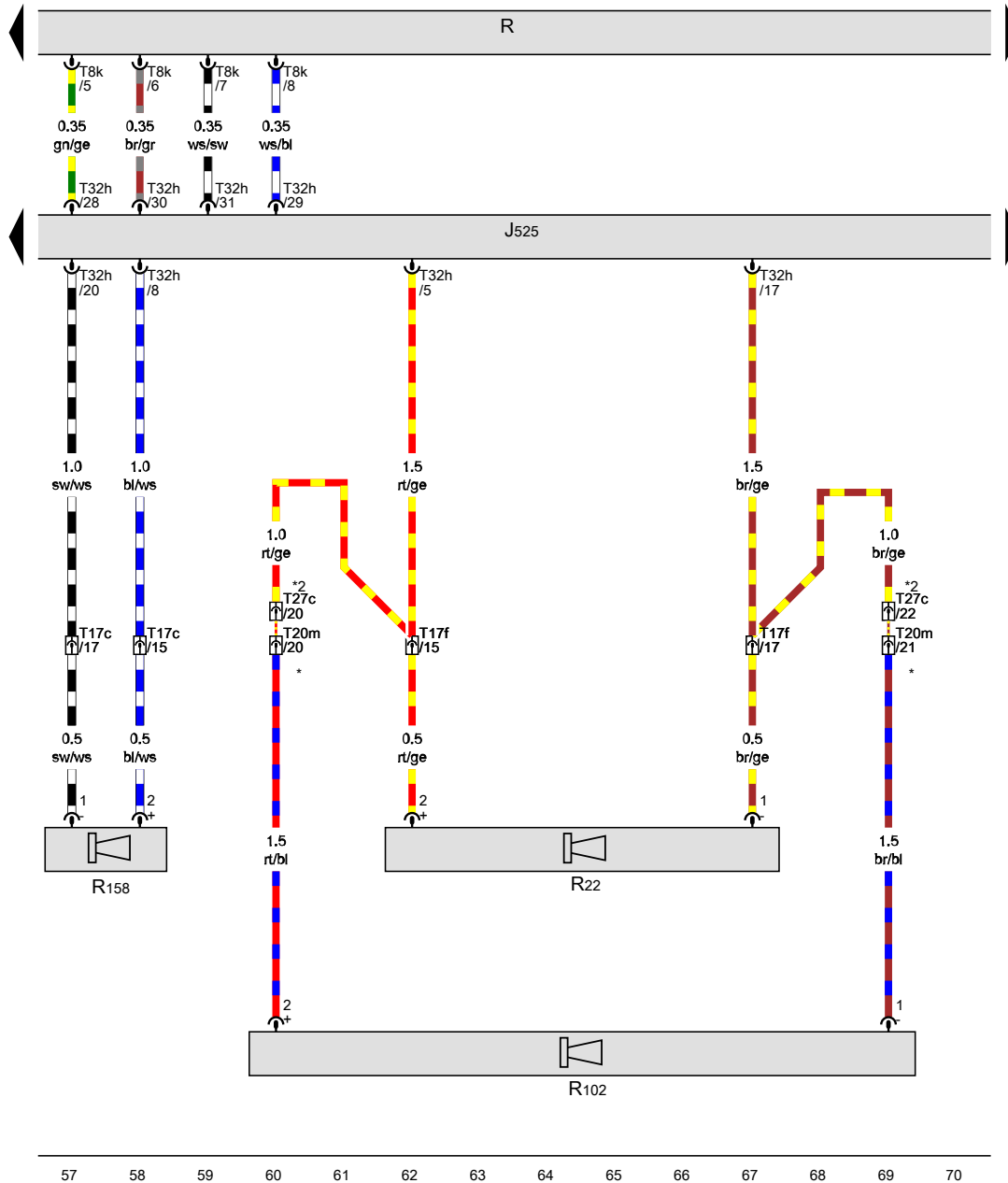
- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R101 Left front mid-bass speaker
- T8k 8-pin connector
- T17d 17-pin connector
- T27a 27-pin connector
- T32h 32-pin connector

50 Ground connection in luggage compartment, left



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- rs = pink



Digital sound system control module, Radio, Right front treble speaker, Right front mid-bass speaker, Center mid-treble speaker

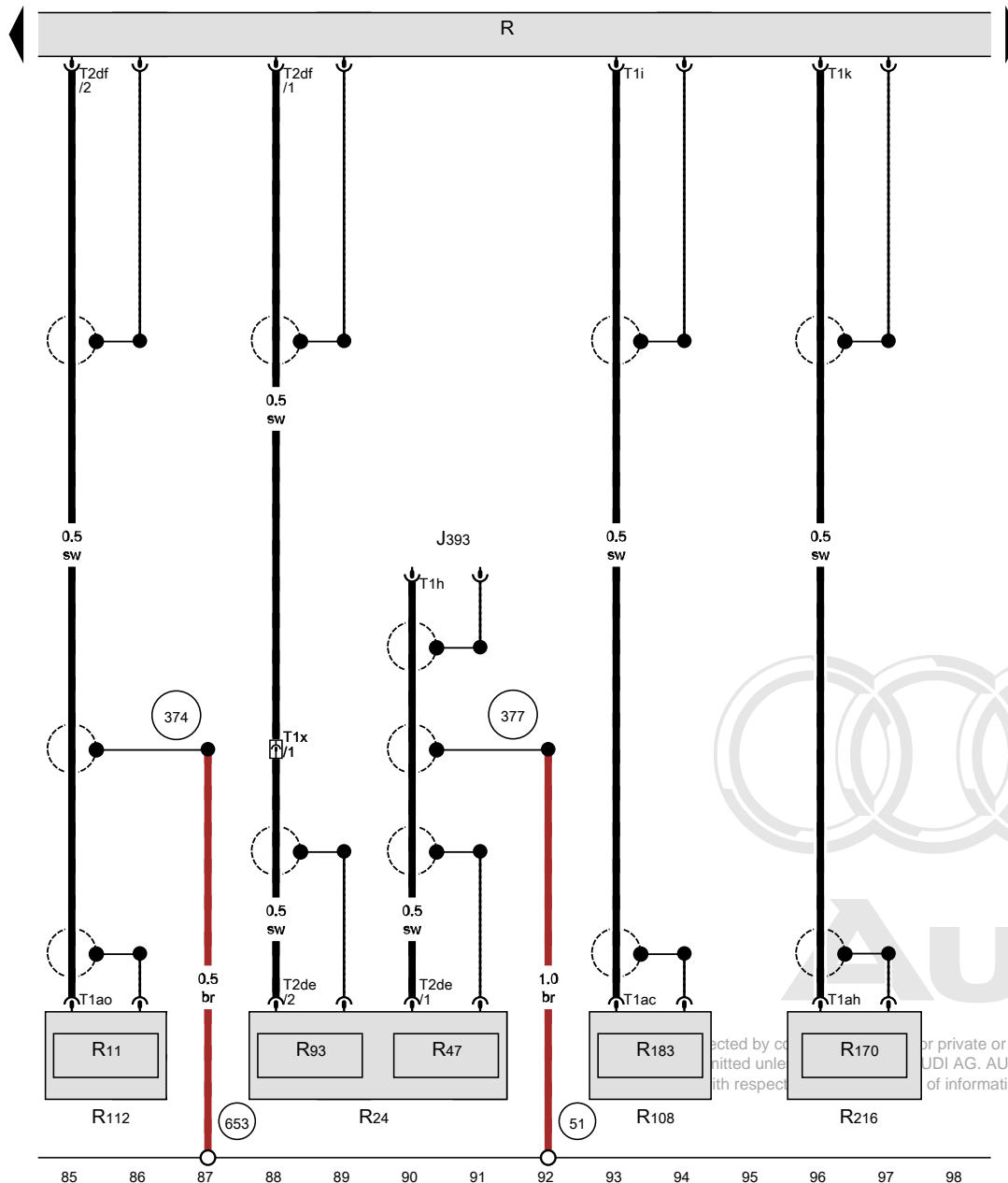
- J525 Digital sound system control module
- R Radio
- R22 Right front treble speaker
- R102 Right front mid-bass speaker
- R158 Center mid-treble speaker
- T8k 8-pin connector
- T17c 17-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T27c 27-pin connector
- T32h 32-pin connector
- \* Running change
- \*2 Omitted as a running change

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183B-0230R11121





Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, Radio antenna 2, Left antenna module, Antenna amplifier 3, Satellite antenna, Digital radio antenna, Roof antenna

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier, Rear window, lower left
- R47 Central locking and anti-theft alarm system antenna
- R93 Radio antenna 2
- R108 Left antenna module, in the left side window
- R112 Antenna amplifier 3, on the rear window
- R170 Satellite antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ah Single connector
- T1ao Single connector
- T1h Single connector
- T1i Single connector
- T1k Single connector
- T1x Single connector
- T2de Double connector
- T2df Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

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

13R-0230R11171



### Radio, External audio source connection

- R Radio
- R199 External audio source connection
- T4i 4-pin connector
- T12s 12-pin connector

367 Ground connection 2 (in main wiring harness)

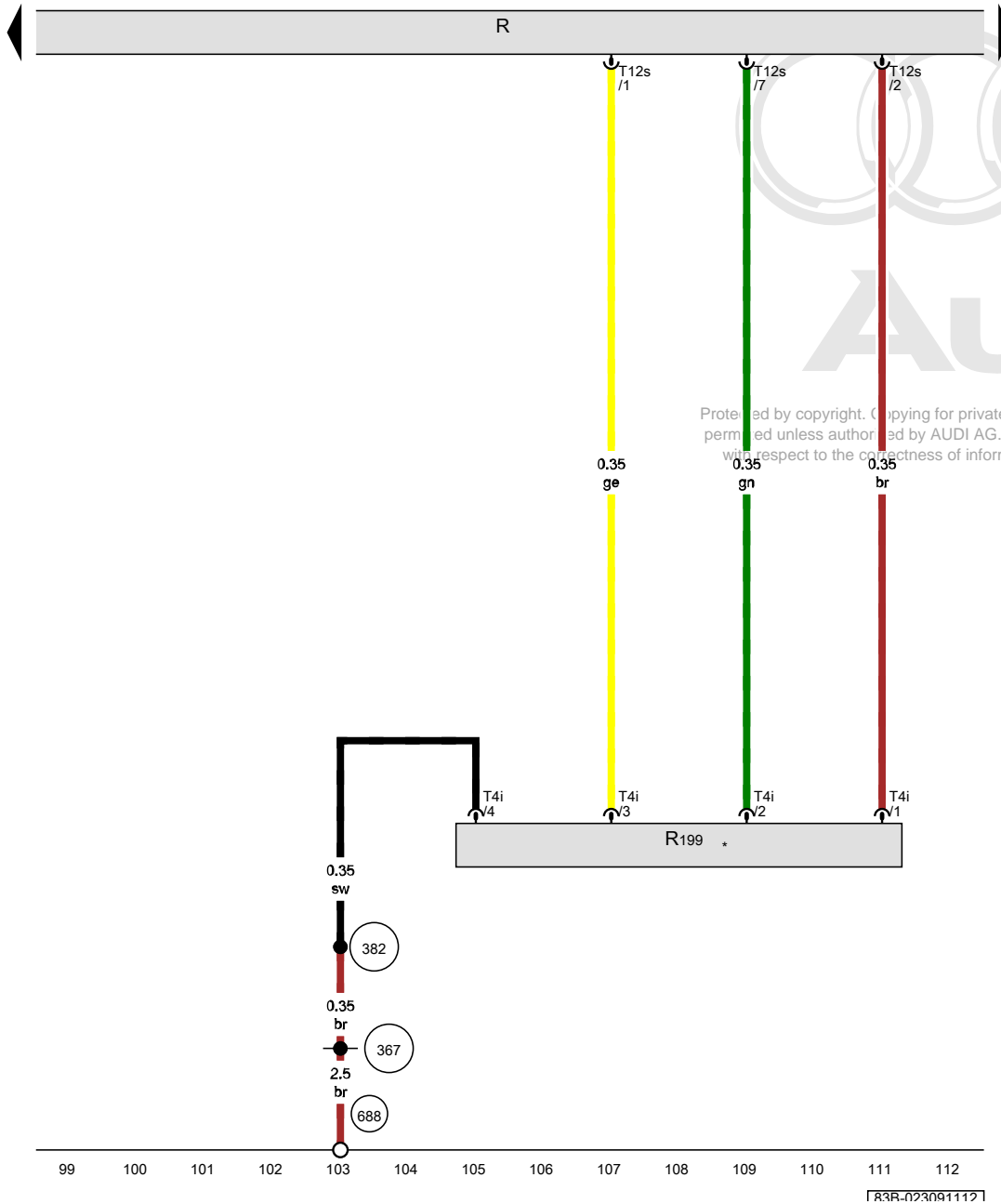
382 Ground connection 17 (in main wiring harness)

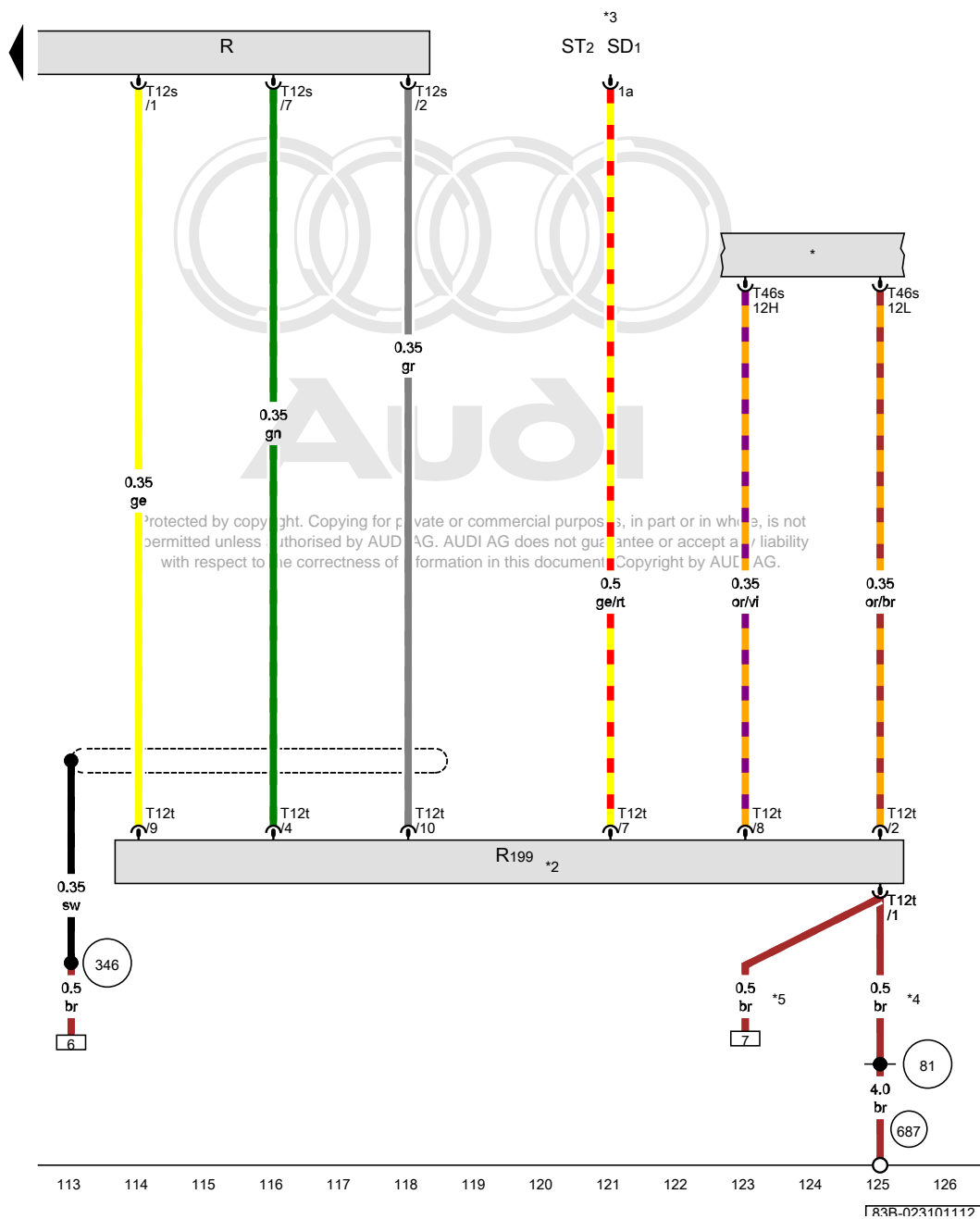
688 Ground connection 2 on center tunnel

\* Only for vehicles with external audio source connection - AUX-In connection

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- or = orange
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## Radio

- R Radio
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T12s 12-pin connector
- T12t 12-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 346 Audio ground connection (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel

- \* Refer to applicable wiring diagram
- \*2 Only for vehicles with external audio source connection - Audi music interface
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 Running change
- \*5 Omitted as a running change

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**Radio System with Bang & Olufsen Sound**

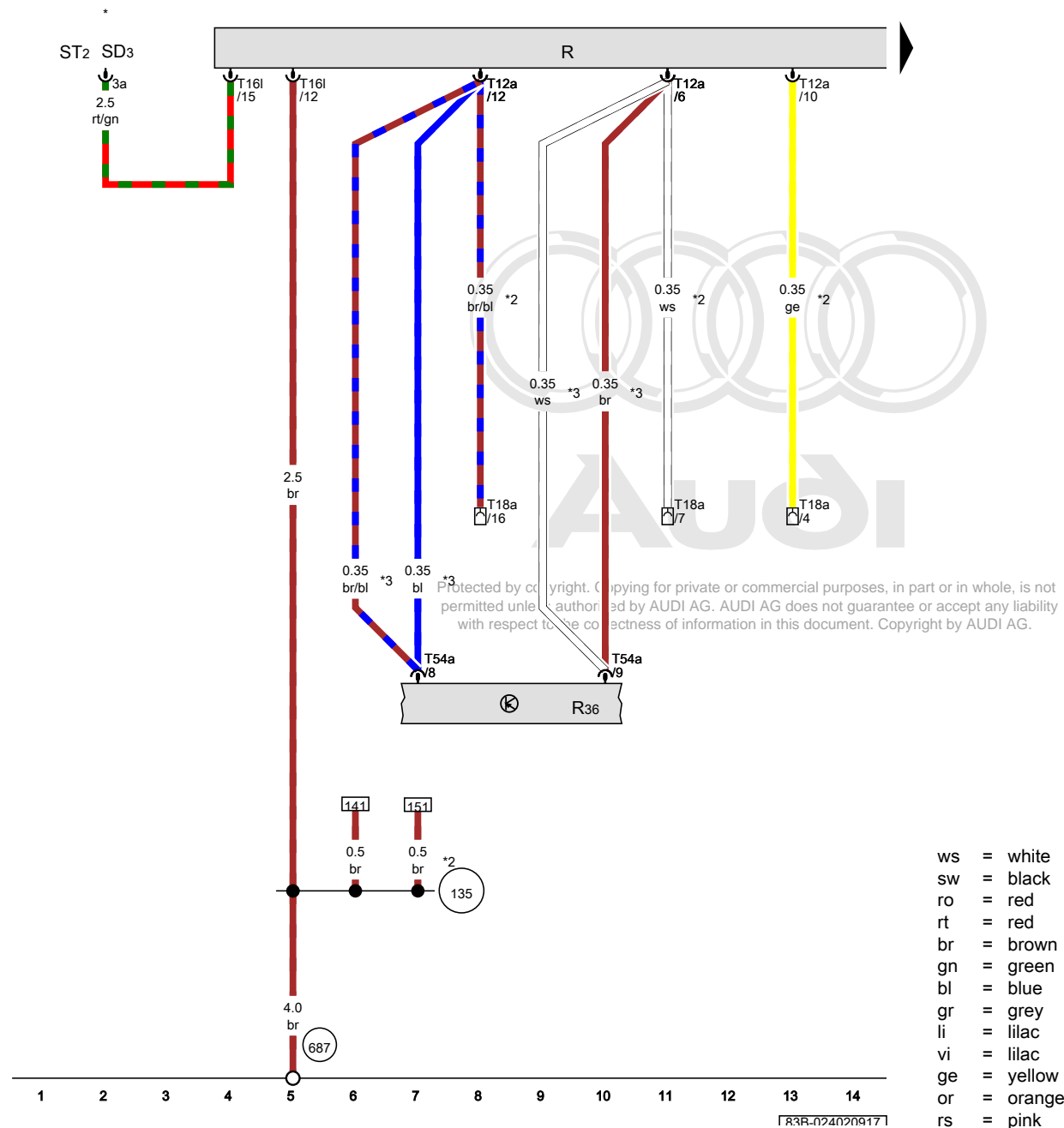
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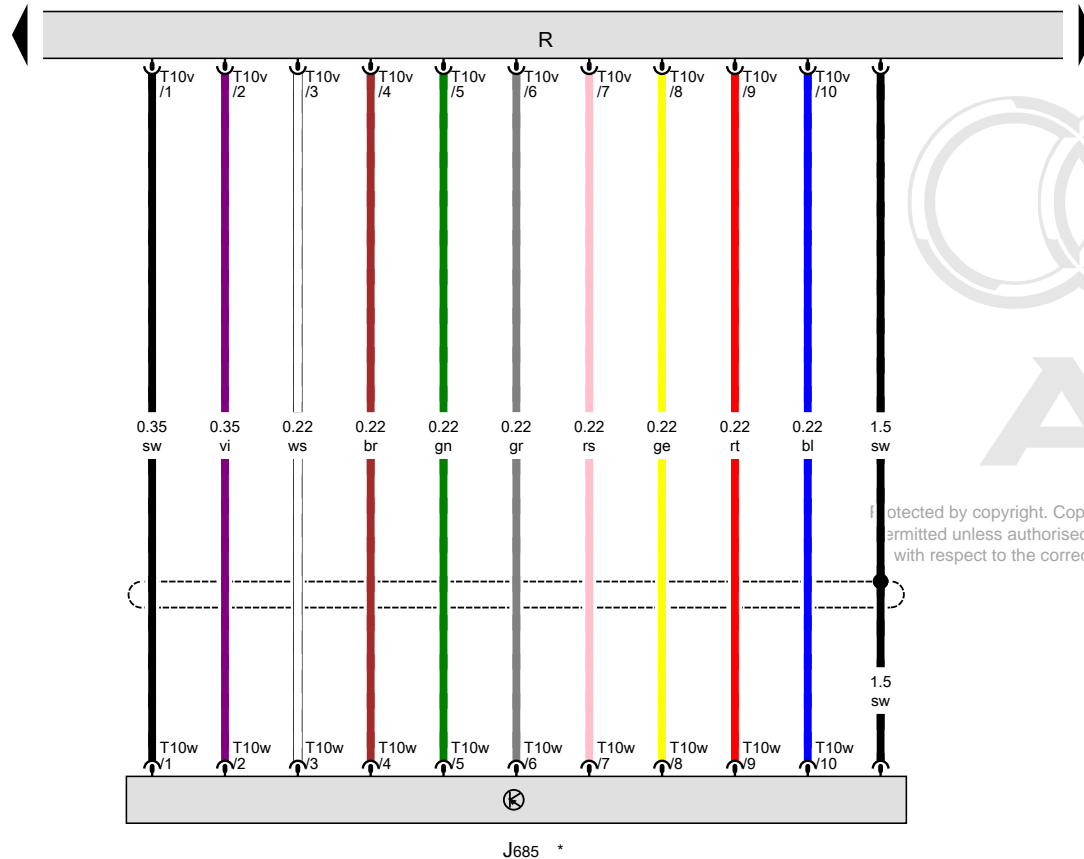
# Radio, Telephone Transceiver

- R Radio
- R36 Telephone Transceiver
- ST2 Fuse Panel 2
- SD3 Fuse 3 (On Fuse Panel D)
- T12a 12-Pin Connector
- T16l 16-Pin Connector
- T18a 18-Pin Connector
- T54a 54-Pin Connector
- 135 Ground Connection 2 (in Instrument Panel Wiring Harness)
- 687 Ground Connection 1 on Center Tunnel
- \* Refer to Applicable Wiring Diagram for Fuse Positions
- \*2 Omitted as a Running Change
- \*3 The Color of the Wires Depends on Vehicle Equipment



Front Information Display Control Head, Radio

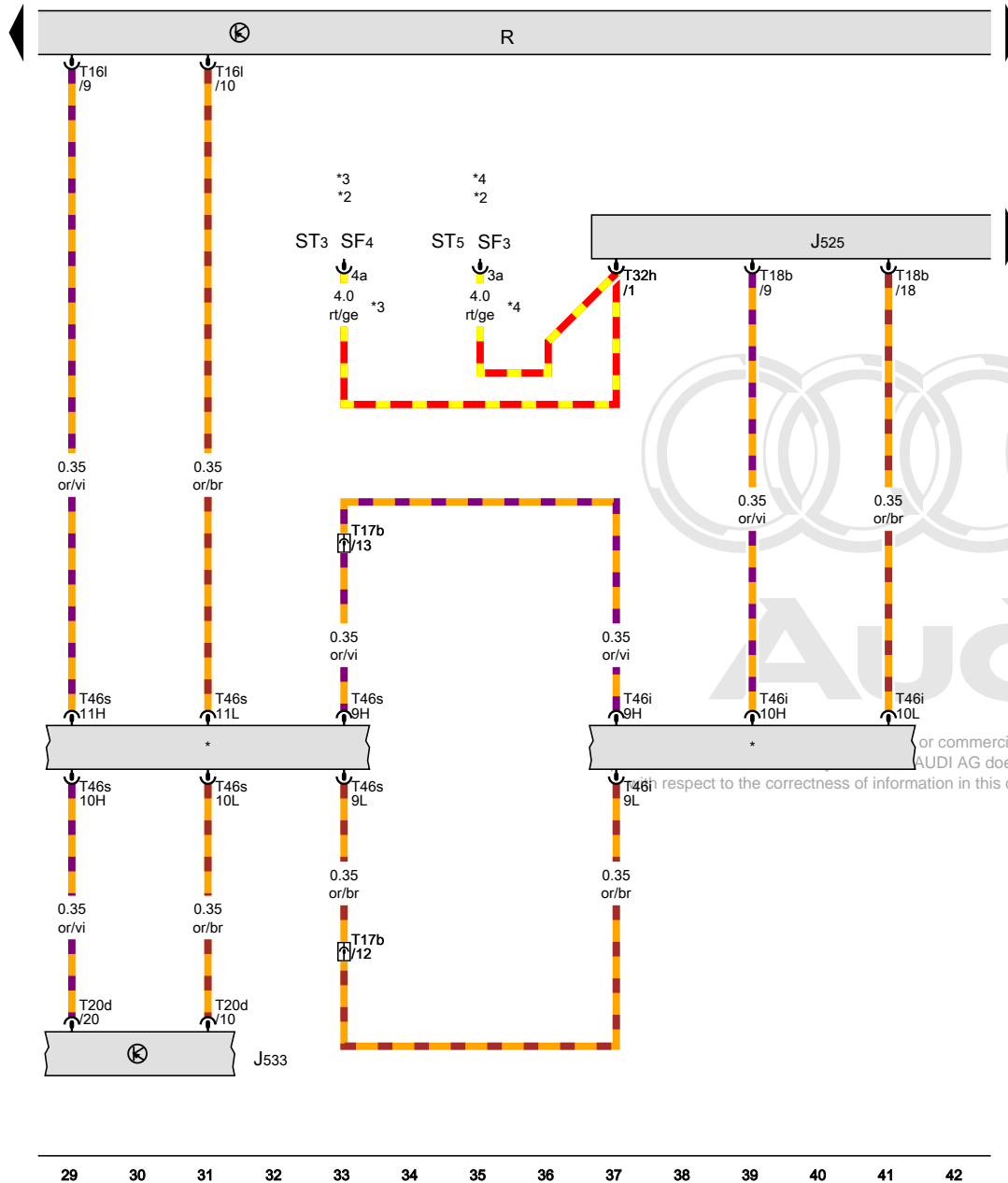
J685 Front Information Display Control Head  
 R Radio  
 T10v 10-Pin Connector  
 T10w 10-Pin Connector  
 \* Optional Equipment



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Digital Sound System Control Module, Data Bus on Board Diagnostic Interface, Radio



- J525 Digital Sound System Control Module
- J533 Data Bus on Board Diagnostic Interface
- R Radio
- ST3 Fuse Panel 3
- SF3 Fuse 3 (On Fuse Panel F)
- SF4 Fuse 4 (On Fuse Panel F)
- ST5 Fuse Panel 5
- T16l 16-Pin Connector
- T17b 17-Pin Connector, Blue
- T18b 18-Pin Connector
- T20d 20-Pin Connector
- T32h 32-Pin Connector
- T46i 46-Pin Connector
- T46s 46-Pin Connector
- \* Refer to Applicable Wiring Diagram
- \*2 Refer to Applicable Wiring Diagram for Fuse Positions
- \*3 Through April 2009
- \*4 From May 2009

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 ge = yellow  
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183B-024040917

Digital Sound System Control Module, Radio, Microphone Unit in Front Roof Module

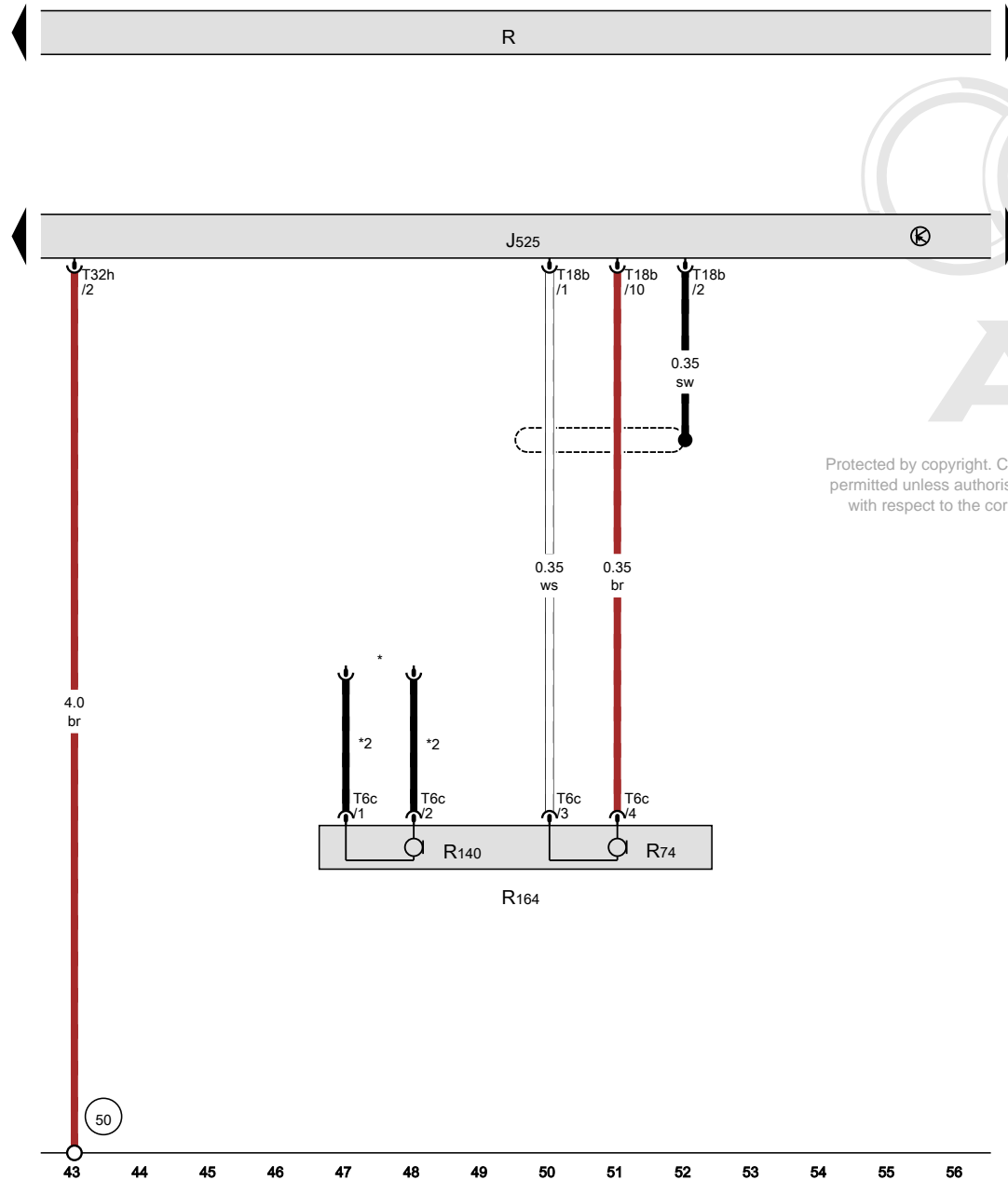
- J525 Digital Sound System Control Module
- R Radio
- R74 Interior Microphone
- R140 Left Front Microphone
- R164 Microphone Unit in Front Roof Module
- T6c 6-Pin Connector
- T18b 18-Pin Connector
- T32h 32-Pin Connector

50 Ground Connection in Luggage Compartment, Left

\* For Vehicles with Cell Phone/Telephone

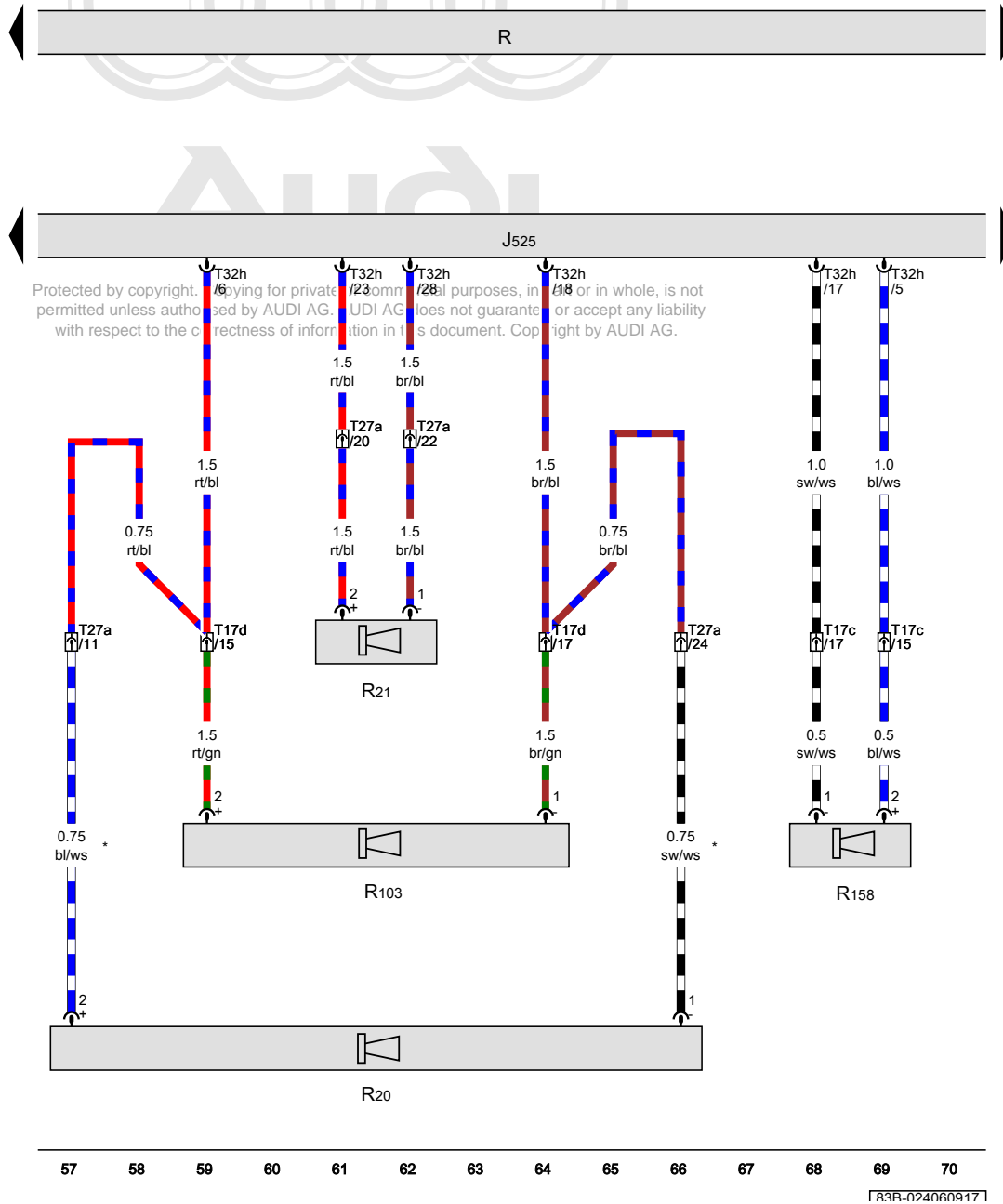
\*2 Refer to Applicable Telephone Systems Wiring Diagram

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- vi = lilac
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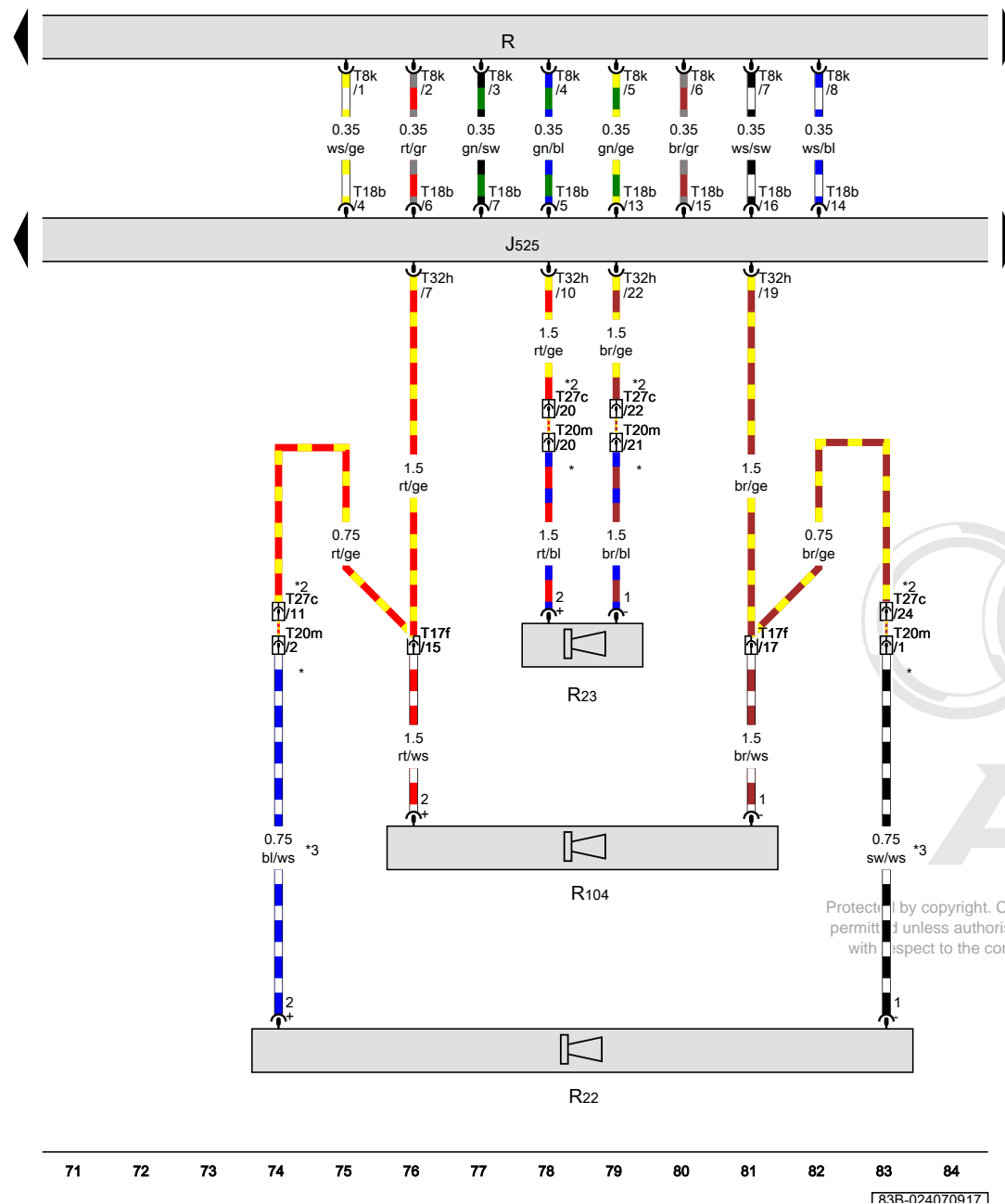
183B-024050917





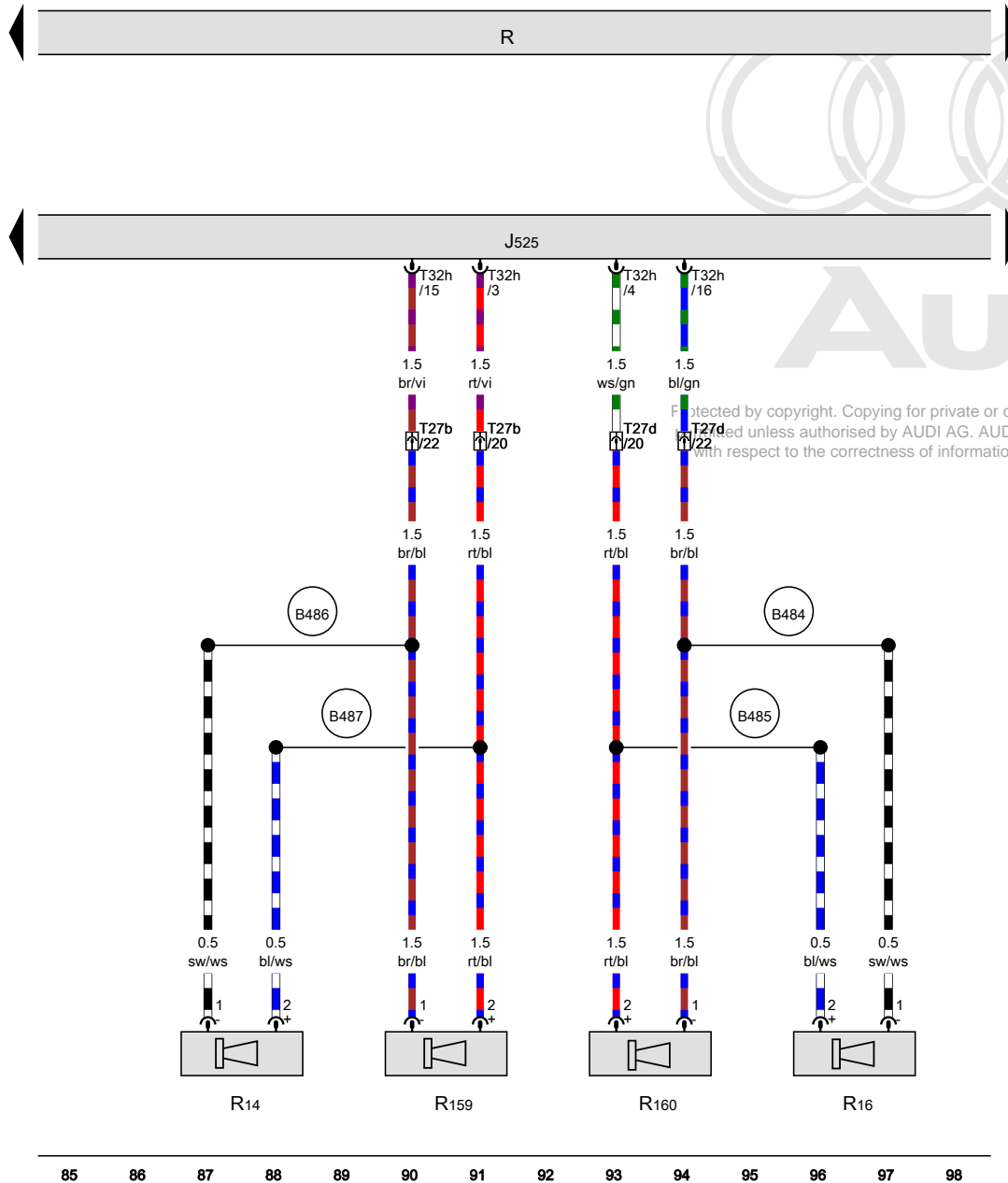
Digital Sound System Control Module, Radio, Right Front Treble Speaker, Right Front Bass Speaker, Right Front Midrange Speaker

- J525 Digital Sound System Control Module
- R Radio
- R22 Right Front Treble Speaker
- R23 Right Front Bass Speaker
- R104 Right Front Midrange Speaker
- T8k 8-Pin Connector
- T17f 17-Pin Connector
- T18b 18-Pin Connector
- T20m 20-Pin Connector
- T27c 27-Pin Connector
- T32h 32-Pin Connector
- \* Running Change
- \*2 Omitted as a Running Change
- \*3 Diameter Depends on Equipment



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 vi = lilac  
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 or = orange  
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Digital Sound System Control Module, Radio, Left Rear Treble Speaker, Right Rear Treble Speaker, Left Rear Mid-Bass Speaker, Right Rear Mid-Bass Speaker

J525 Digital Sound System Control Module  
R Radio  
R14 Left Rear Treble Speaker  
R16 Right Rear Treble Speaker  
R159 Left Rear Mid-Bass Speaker  
R160 Right Rear Mid-Bass Speaker  
T27b 27-Pin Connector  
T27d 27-Pin Connector  
T32h 32-Pin Connector

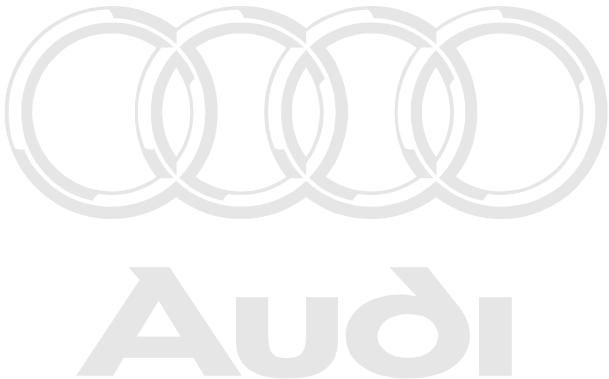
B484 Connection 20 (in Main Wiring Harness)  
B485 Connection 21 (in Main Wiring Harness)  
B486 Connection 22 (in Main Wiring Harness)  
B487 Connection 23 (in Main Wiring Harness)

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[A3B-024080917]

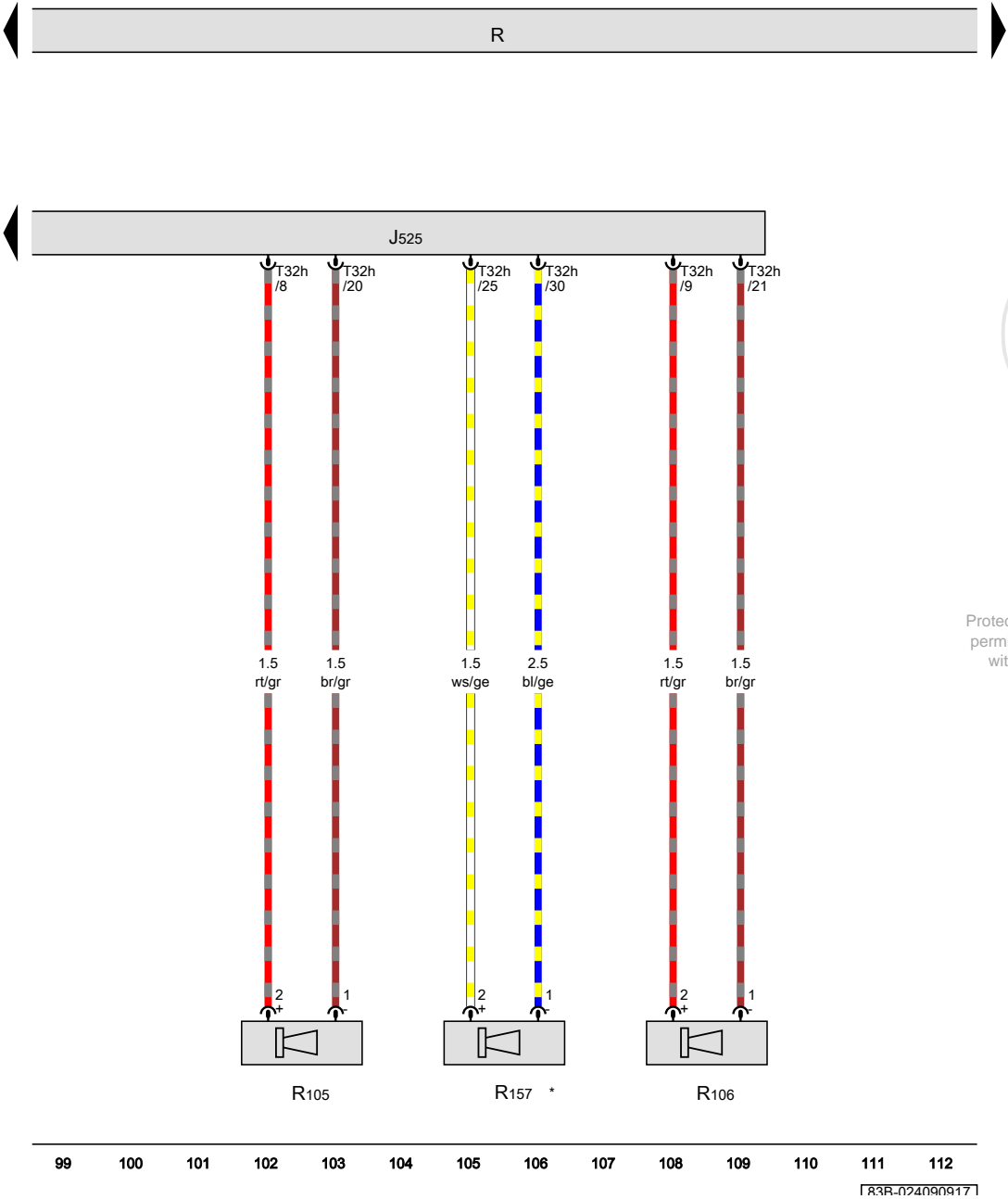
Digital Sound System Control Module, Radio, Left Rear  
Midrange Speaker, Subwoofer in Rear Shelf

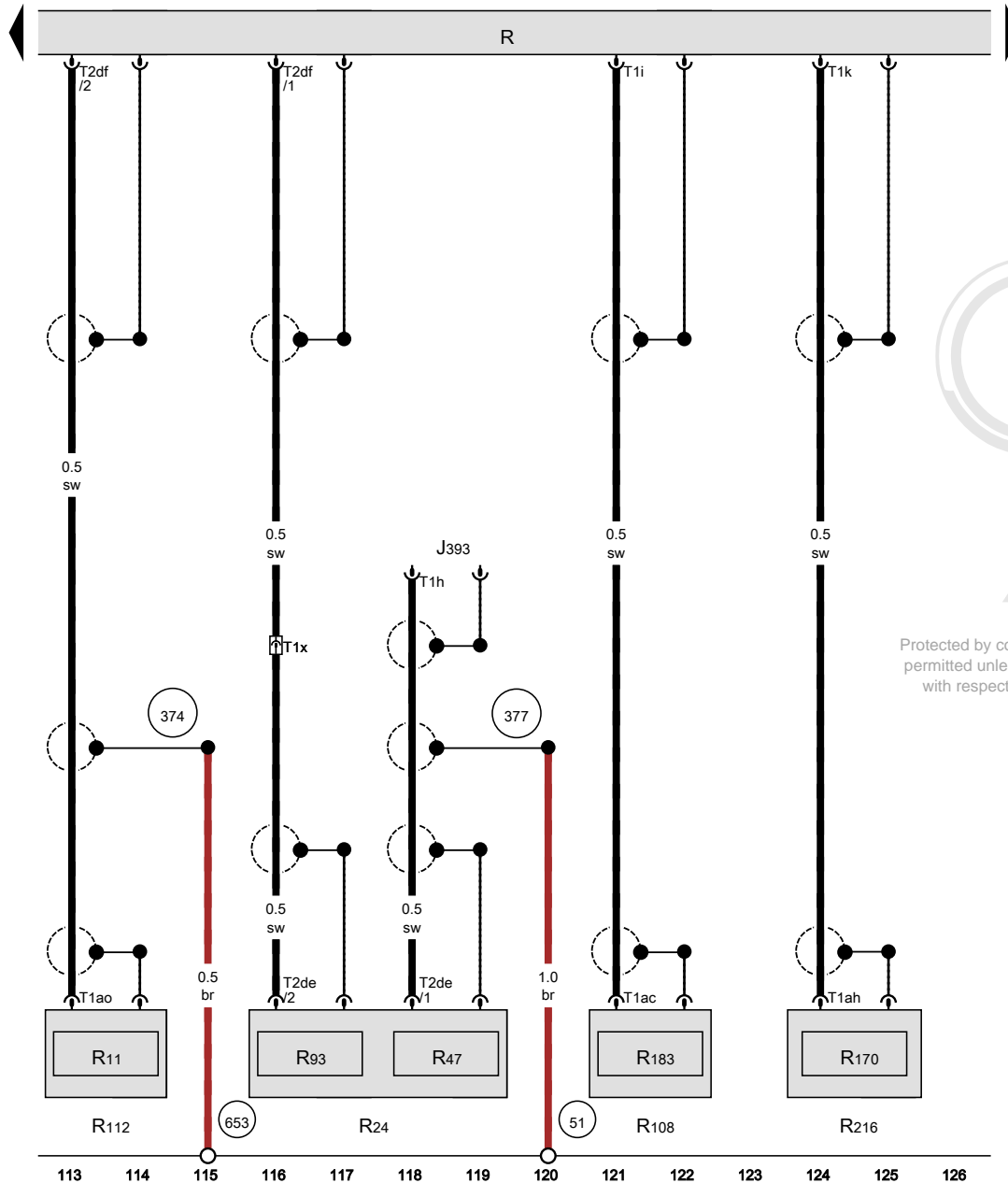
- J525 Digital Sound System Control Module
- R Radio
- R105 Left Rear Midrange Speaker
- R106 Right Rear Midrange Speaker
- R157 Subwoofer in Rear Shelf
- T32h 32-Pin Connector
- \* Depending on Equipment



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





Radio, Antenna, Antenna Amplifier, Central Locking and Anti-Theft Alarm System Antenna, Radio Antenna 2, Left Antenna Module, Antenna Amplifier 3, Satellite Antenna, Digital Radio Antenna, Roof Antenna

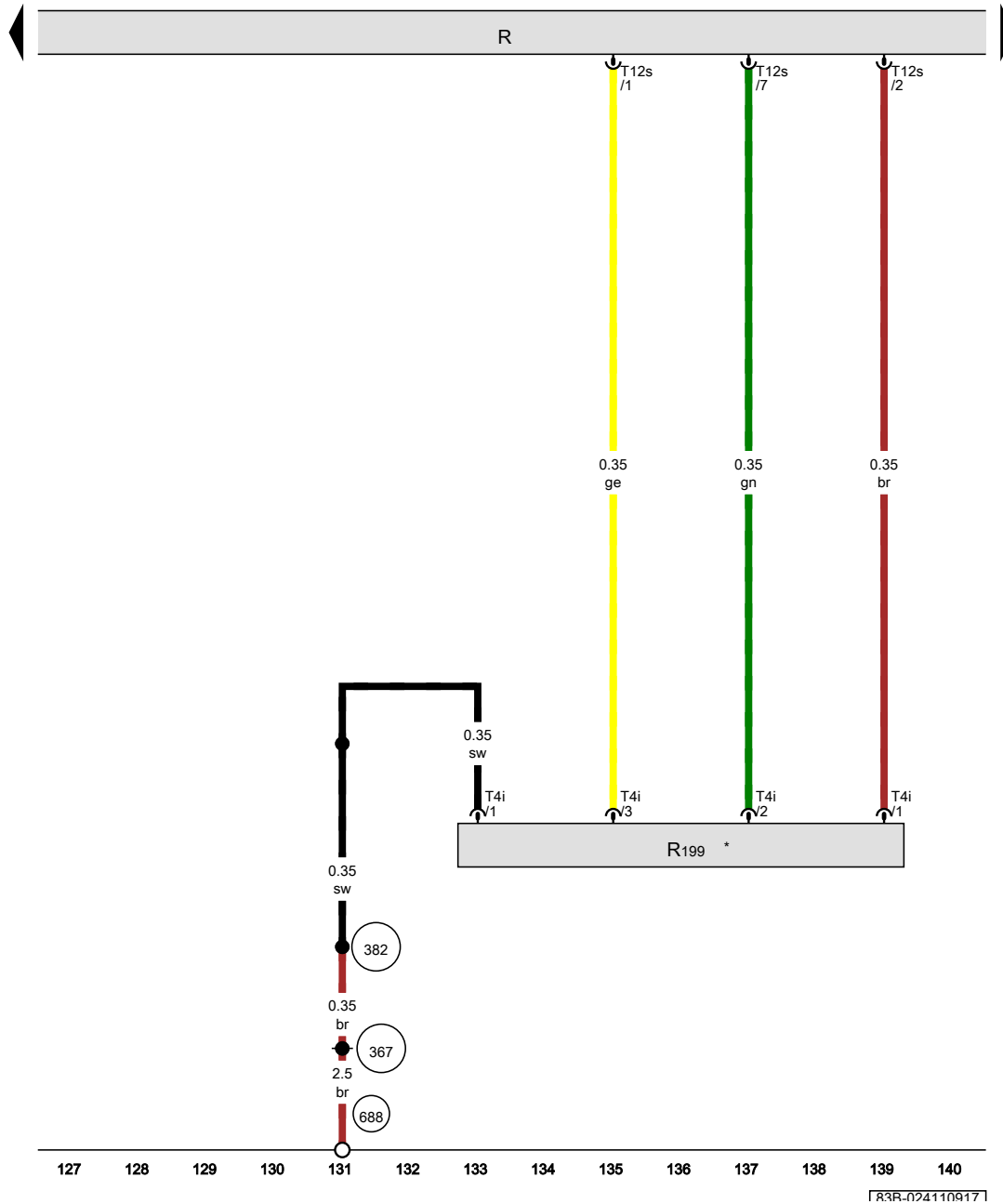
- J393 Comfort System Central Control Module
- R Radio
- R11 Antenna
- R24 Antenna Amplifier, Rear Window, Lower Left
- R47 Central Locking and Anti-Theft Alarm System Antenna
- R93 Radio Antenna 2
- R108 Left Antenna Module, In the Left Side Window
- R112 Antenna Amplifier 3, On the Rear Window
- R170 Satellite Antenna
- R183 Digital Radio Antenna
- R216 Roof Antenna
- T1ac 1-Pin Connector
- T1ah 1-Pin Connector
- T1ao 1-Pin Connector
- T1h 1-Pin Connector
- T1i 1-Pin Connector
- T1k 1-Pin Connector
- T1x 1-Pin Connector, Gray
- T2de 2-Pin Connector
- T2df 2-Pin Connector

- 51 Ground Connection in Luggage Compartment, Right
- 374 Ground Connection 9 (in Main Wiring Harness)
- 377 Ground Connection 12 (in Main Wiring Harness)
- 653 Ground Connection on Left D-Pillar

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 rs = pink

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[R3B-024100917]



### Radio, External Audio Source Connection

- R Radio
- R199 External Audio Source Connection
- T4i 4-Pin Connector
- T12s 12-Pin Connector

- 367 Ground Connection 2 (in Main Wiring Harness)
- 382 Ground Connection 17 (in Main Wiring Harness)
- 688 Ground Connection 2 on Center Tunnel

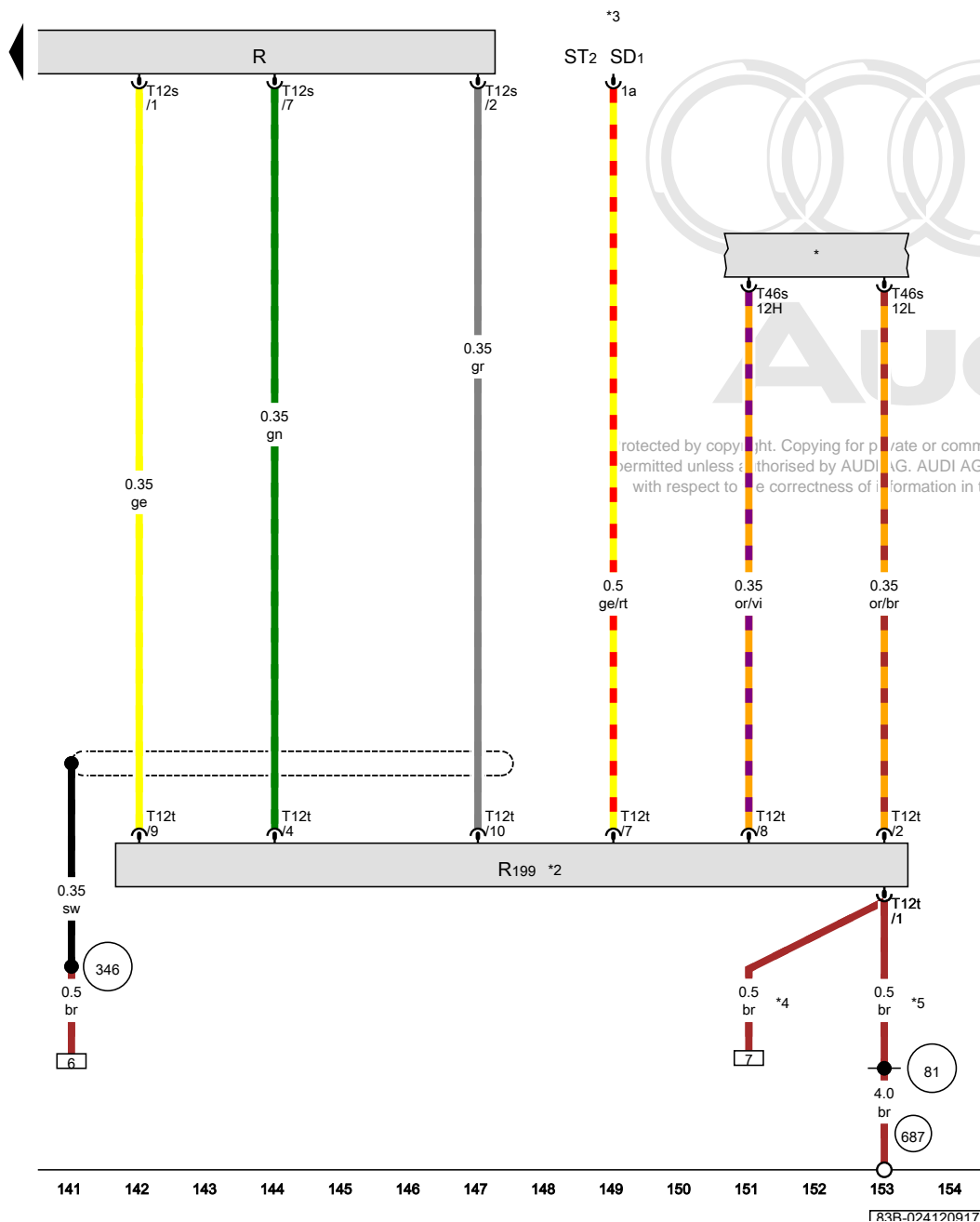
\* For Vehicles with External Audio Source Connection - AUX-IN Connection



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[83R-024110917]



## Radio

- R Radio
- R199 External Audio Source Connection
- SD1 Fuse 1 (On Fuse Panel D)
- ST2 Fuse Panel 2
- T12s 12-Pin Connector
- T12t 12-Pin Connector
- T46s 46-Pin Connector
- 81 Ground Connection 1 (in Instrument Panel Wiring Harness)
- 346 Audio Ground Connection (in Instrument Panel Wiring Harness)
- 687 Ground Connection 1 on Center Tunnel
- \* Refer to Applicable Wiring Diagram
- \*2 For Vehicles with External Audio Source Connection - Audi Music Interface
- \*3 Refer to Applicable Wiring Diagram for Fuse Positions
- \*4 Omitted as a Running Change
- \*5 Running Change

## Rear lid and tail lamps

from September 2008



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Windshield washer pump, Rear window wiper motor

- J519 Vehicle electrical system control module
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SF8 Fuse 8 (on fuse panel F)
- T171 17-pin connector
- V5 Windshield washer pump
- V12 Rear window wiper motor

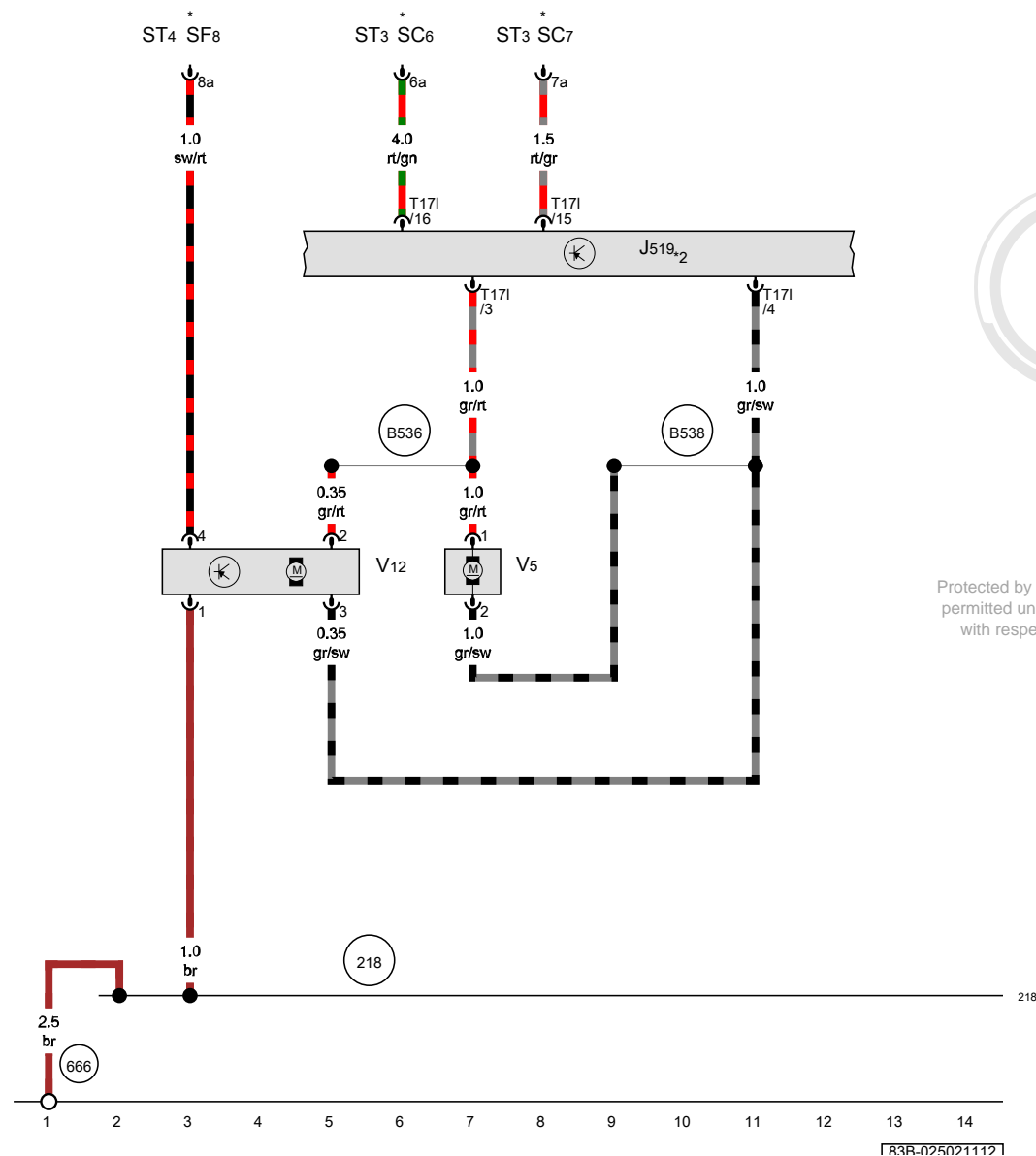
218 Ground connection 1 (in rear lid wiring harness)

666 Ground connection on roof, right rear

B536 Connection 27 (in main wiring harness)

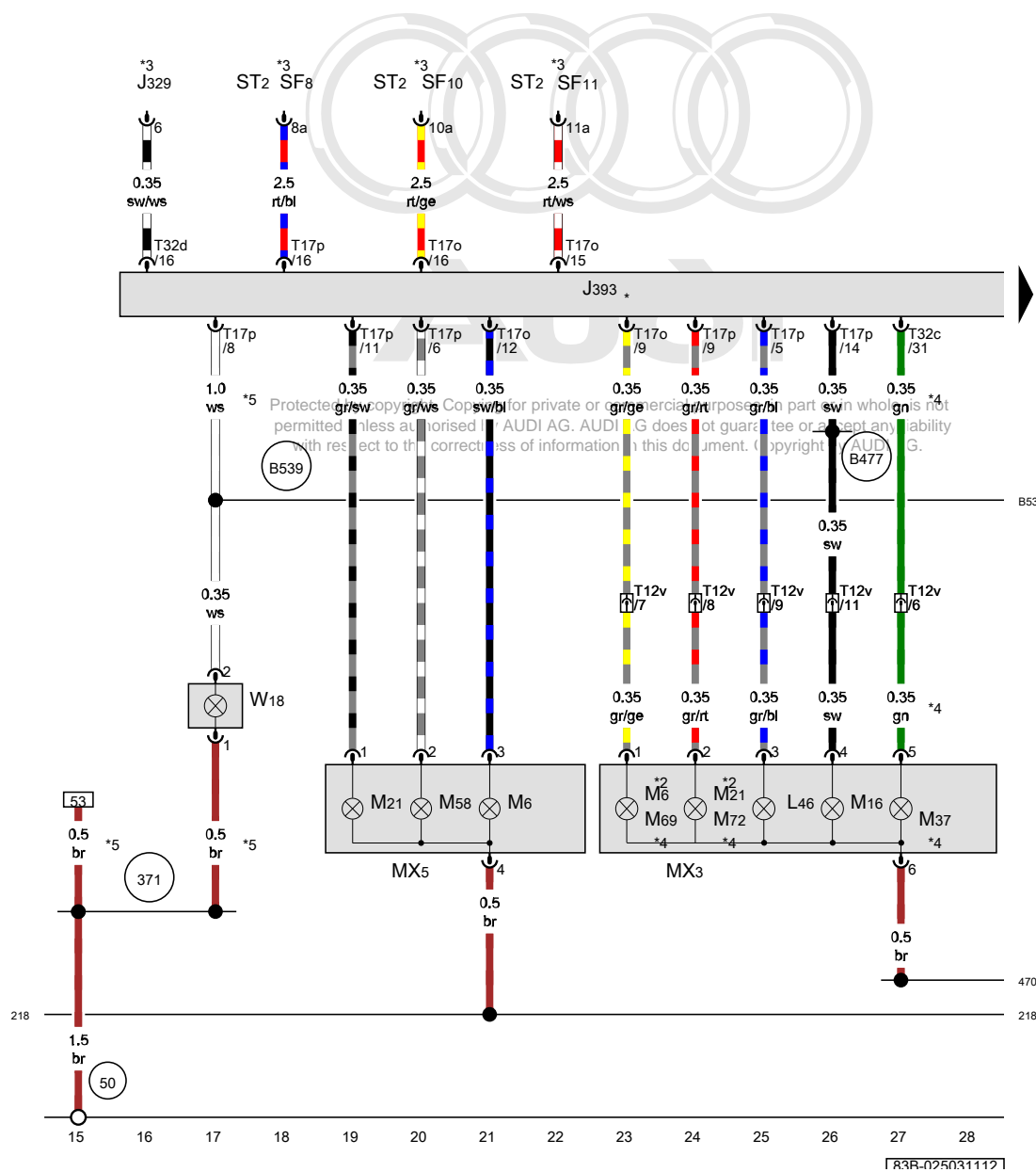
B538 Connection 29 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable standard equipment wiring diagram



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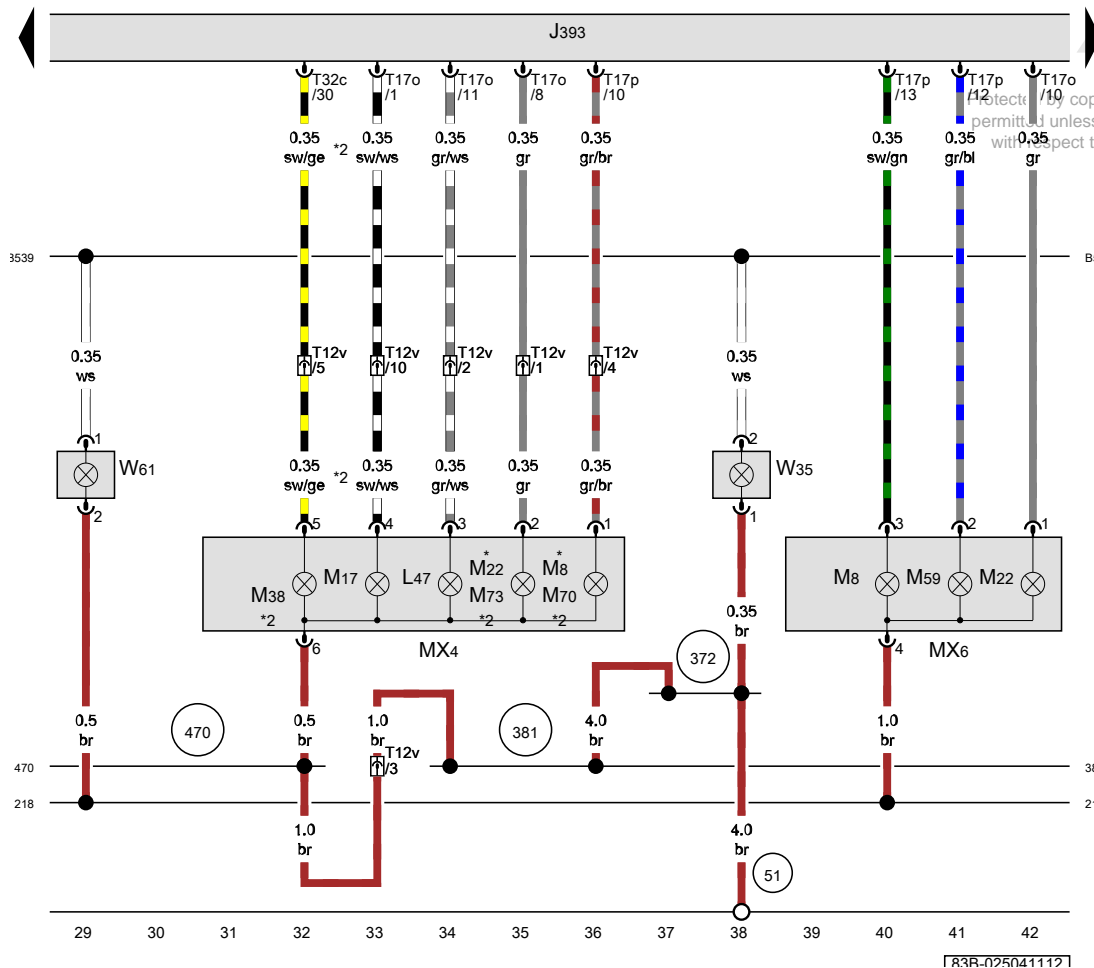
## Left tail lamp 2, Left luggage compartment lamp

- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M58 Left brake/tail lamp bulb 2
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- W18 Left luggage compartment lamp

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B477 Connection 13 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles without US equipment
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 Only for vehicles with US equipment
- \*5 Diameter depends on equipment

Right tail lamp, Right tail lamp 2, Right luggage compartment lamp, Ambient lamp 25.40 mm rear lid



- J393 Comfort system central control module
- L47 Right rear fog lamp bulb
- MX4 Right tail lamp
- MX6 Right tail lamp 2
- M8 Right rear turn signal bulb
- M17 Right back-up lamp bulb
- M22 Right brake/tail lamp bulb
- M38 Right rear side marker lamp bulb
- M59 Right brake/tail lamp bulb 2
- M70 Right brake lamp/turn signal/tail lamp bulb
- M73 Right brake lamp/turn signal/tail lamp bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W35 Right luggage compartment lamp
- W61 Ambient lamp 25.40 mm rear lid

- 51 Ground connection in luggage compartment, right
- 218 Ground connection 1 (in rear lid wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B539 Connection 30 (in main wiring harness)
- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment

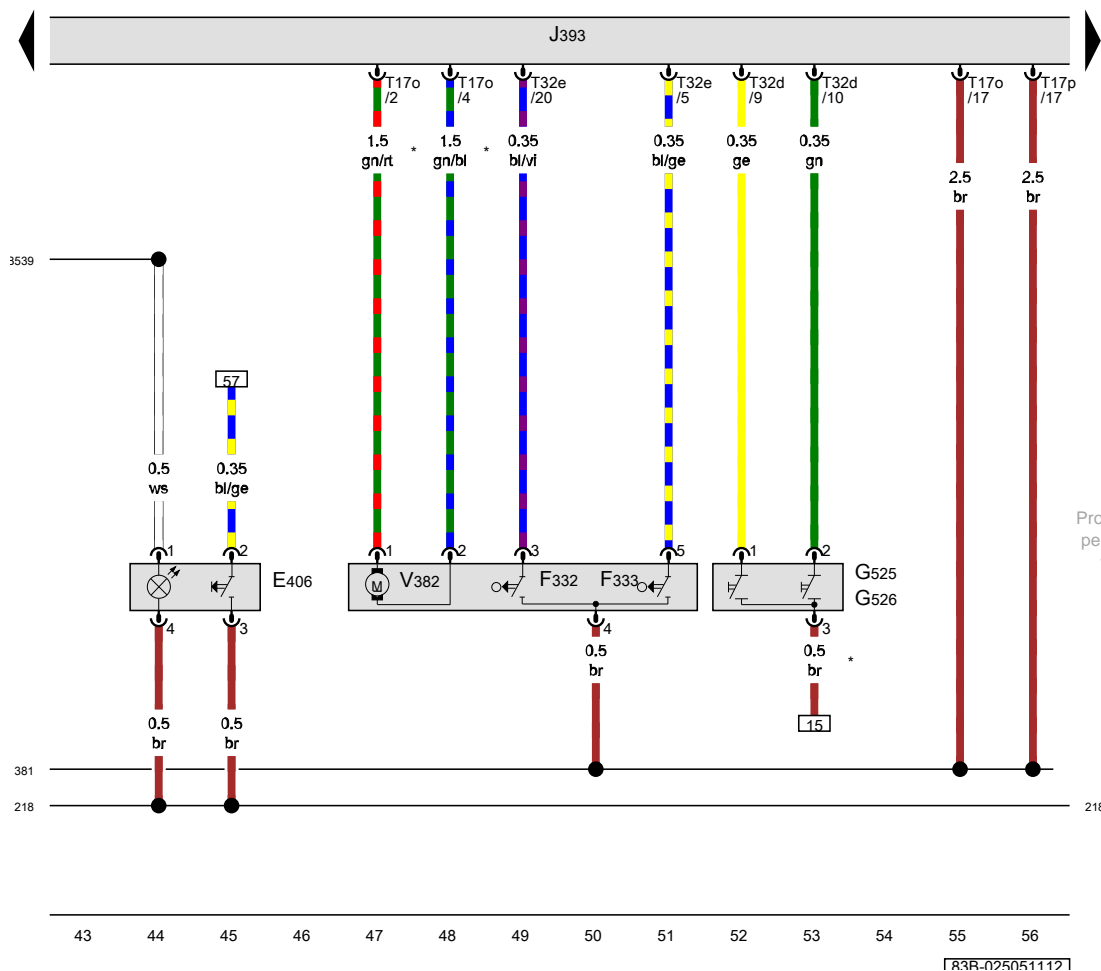
ws = white  
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 bl = blue  
 gr = grey  
 li = lilac  
 ge = yellow  
 or = orange  
 rs = pink

[83B-025041117]

Rear lid lock button in luggage compartment, Rear lid closing assist/unlock stop switch, Rear lid closing assist/lock stop switch, Rear lid -closed- sensor 1

- E406 Rear lid lock button in luggage compartment
- F332 Rear lid closing assist/unlock stop switch
- F333 Rear lid closing assist/lock stop switch
- G525 Rear lid -closed- sensor 1
- G526 Rear lid -closed- sensor 2
- J393 Comfort system central control module
- T17o 17-pin connector
- T17p 17-pin connector
- T32d 32-pin connector
- T32e 32-pin connector
- V382 Rear lid closing assist motor

- 218 Ground connection 1 (in rear lid wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)
- \* Diameter depends on equipment



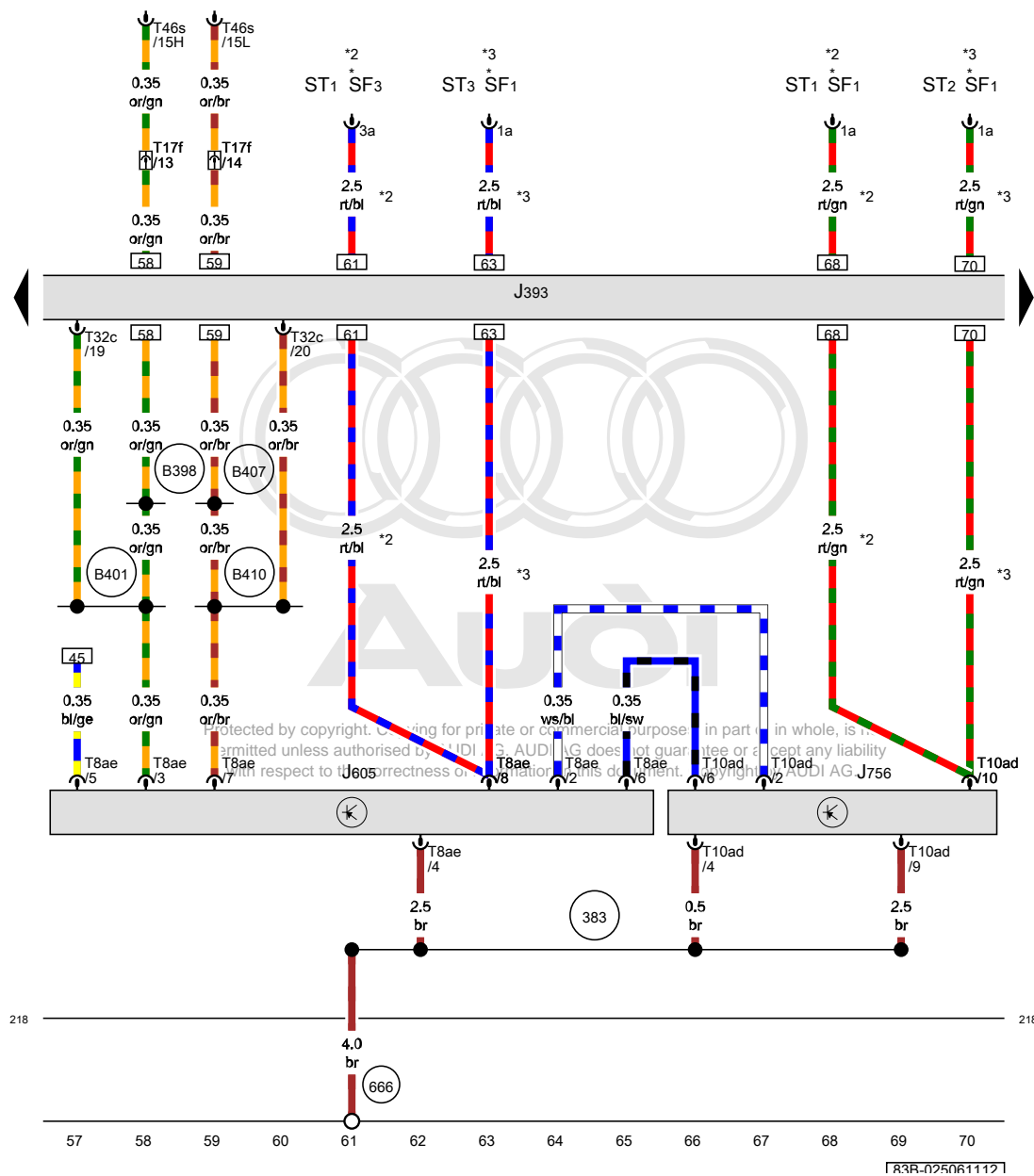
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83B-025051112

# Rear lid control module, Rear lid control module 2

- J393 Comfort system central control module
- J605 Rear lid control module
- J756 Rear lid control module 2
- SF1 Fuse 1 (on fuse panel F)
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SF3 Fuse 3 (on fuse panel F)
- ST3 Fuse panel 3
- T8ae 8-pin connector
- T10ad 10-pin connector
- T17f 17-pin connector, brown
- T32c 32-pin connector
- T46s 46-pin connector

- 218 Ground connection 1 (in rear lid wiring harness)
- 383 Ground connection 18 (in main wiring harness)
- 666 Ground connection on roof, right rear
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions through April 2009
- \*2 from May 2009
- \*3



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Rear lid lock/alarm/central locking switch, Rear lid lock cylinder unlock button, Left license plate lamp

- C24 Suppressor
- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J393 Comfort system central control module
- M25 High-mounted brake lamp bulb
- T2g Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor
- X4 Left license plate lamp
- X5 Right license plate lamp

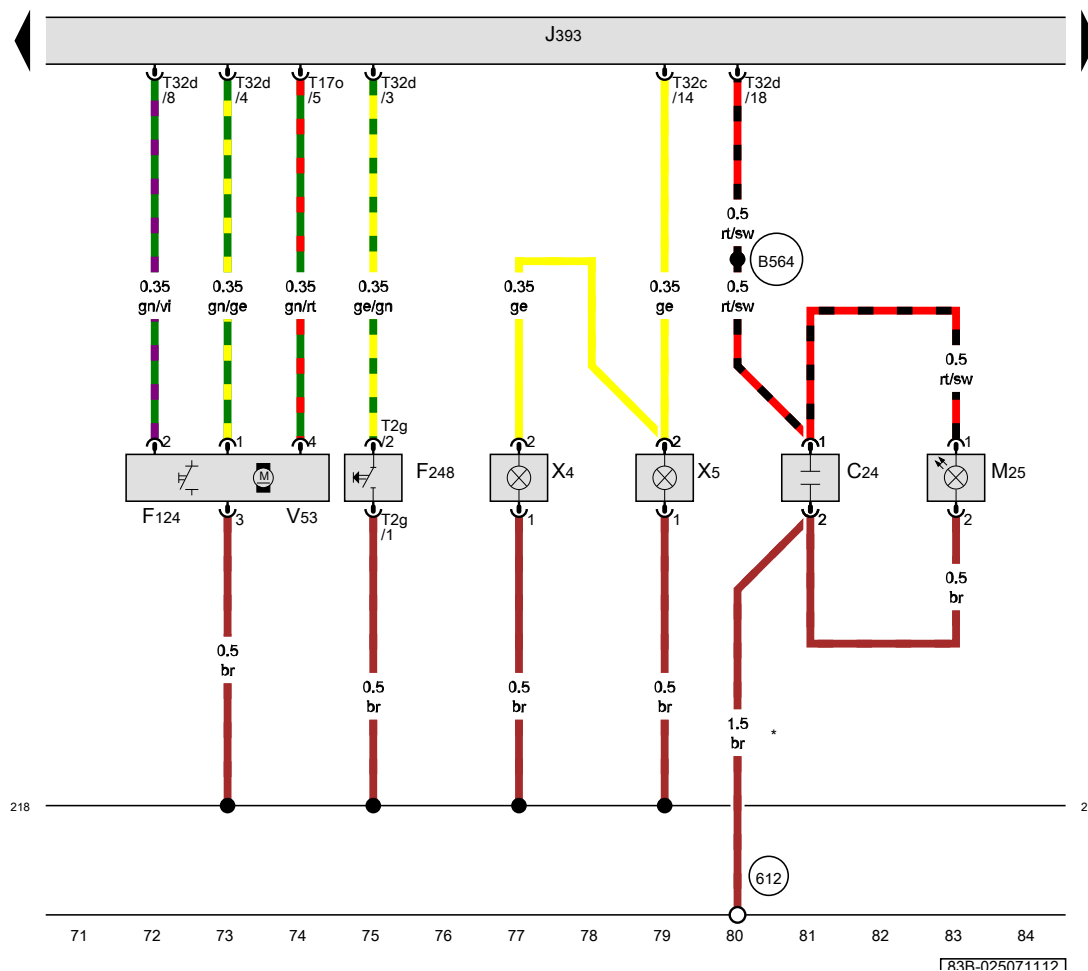
218 Ground connection 1 (in rear lid wiring harness)

612 Ground connection in rear lid center

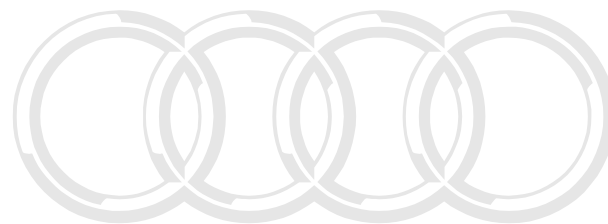
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B564 Connection 31 (in main wiring harness)

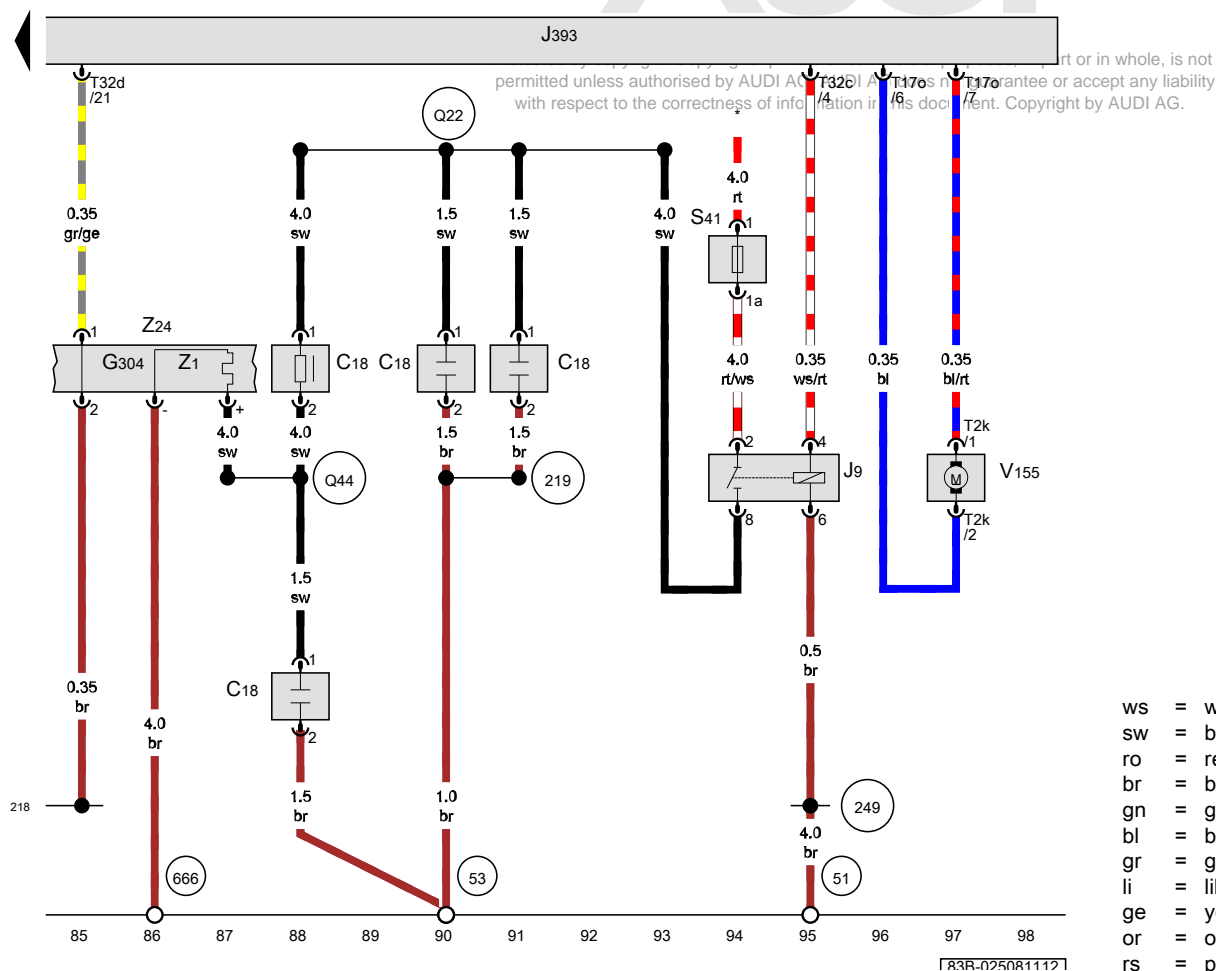
\* Diameter depends on equipment



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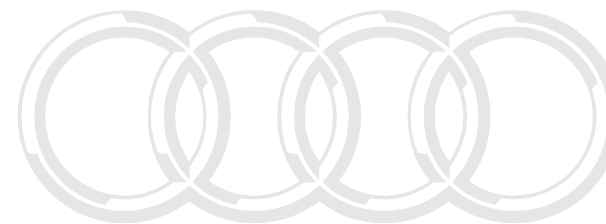
## Rear window breakage sensor, Rear window defogger with window antenna

- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- S41 Rear window defogger fuse
- T2k Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door unlock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 218 Ground connection 1 (in rear lid wiring harness)
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)
- \* Refer to applicable wiring diagram for fuse positions

**Headlamps (HID) with range control and cornering lamp**

from September 2008

**Audi**

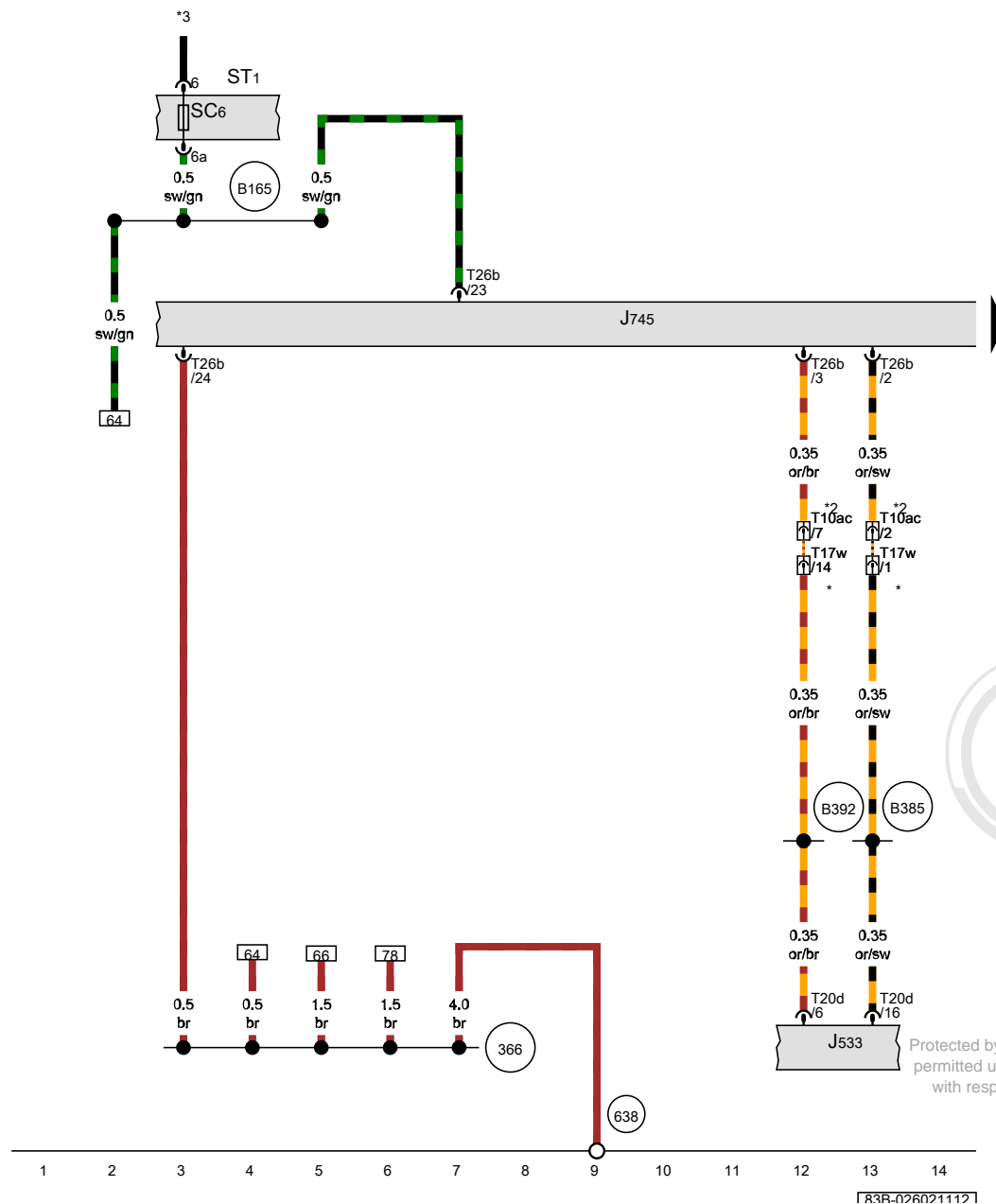
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# Cornering lamp and headlamp range control module

- J533 Data bus on board diagnostic interface
- J745 Cornering lamp and headlamp range control module
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- T10ac 10-pin connector, gray
- T17w 17-pin connector, white
- T20d 20-pin connector
- T26b 26-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B165 Positive connection 2 (15) (in interior wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)

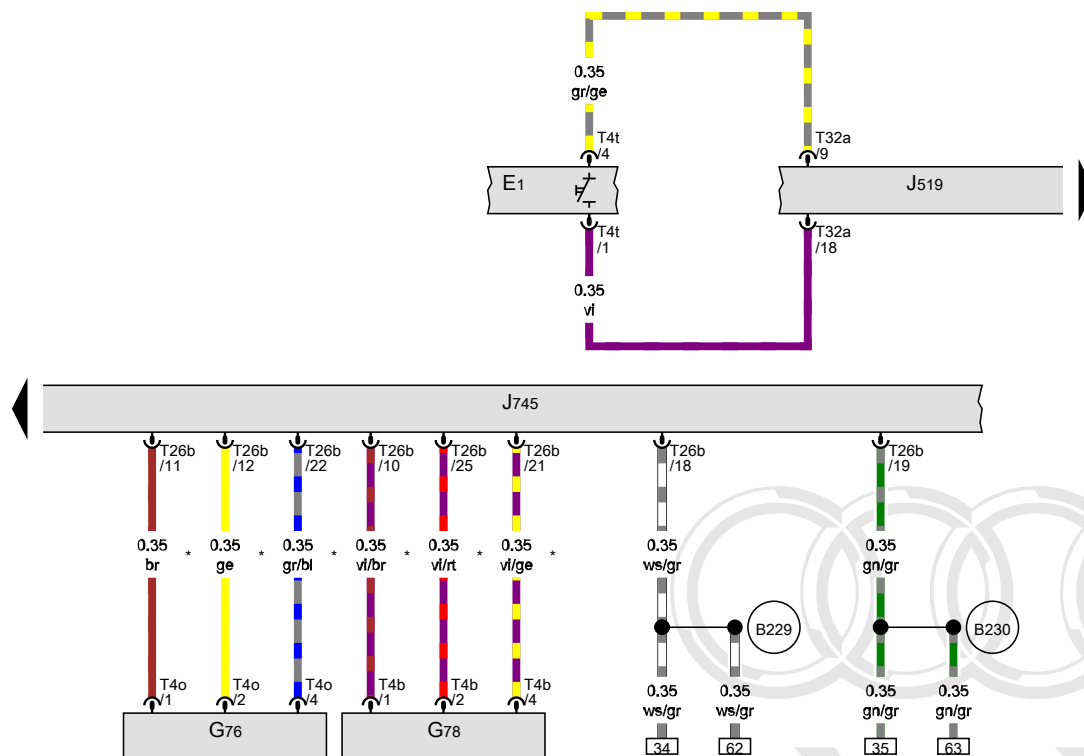
- \* from May 2009
- \*2 through April 2009
- \*3 Refer to applicable wiring diagram for fuse positions



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





Light switch, Left rear level control system sensor, Vehicle electrical system control module, Cornering lamp and headlamp range control module

- E1 Light switch
- G76 Left rear level control system sensor
- G78 Left front level control system sensor
- J519 Vehicle electrical system control module
- J745 Cornering lamp and headlamp range control module
- T4b 4-pin connector
- T4o 4-pin connector
- T4t 4-pin connector
- T26b 26-pin connector
- T32a 32-pin connector

B229 High bus connection (in interior wiring harness)

B230 Low bus connection (in interior wiring harness)

\* Only for vehicles without level control system

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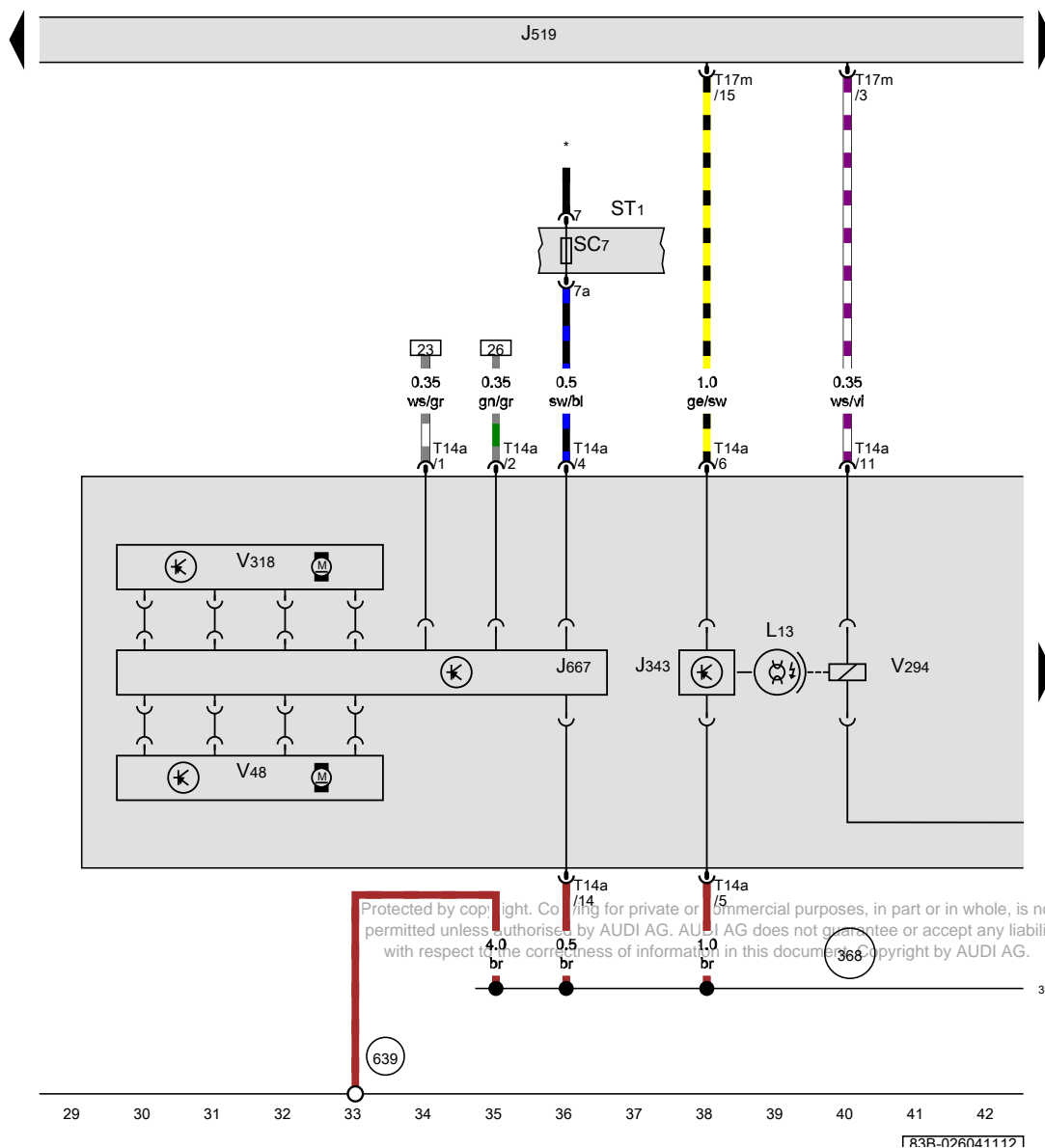
Vehicle electrical system control module, Left headlamp power output stage, Left HID headlamp bulb, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor, Left adaptive cornering lamp motor

- J343 Left HID headlamp control module
- J519 Vehicle electrical system control module
- J667 Left headlamp power output stage
- L13 Left HID headlamp bulb
- ST1 Fuse panel 1
- SC7 Fuse 7 (on fuse panel C)
- T14a 14-pin connector
- T17m 17-pin connector
- V48 Left headlamp beam adjustment motor
- V294 Left low beam headlamp reflector motor
- V318 Left adaptive cornering lamp motor

368 Ground connection 3 (in main wiring harness)

639 Ground connection on left A-pillar

\* Refer to applicable wiring diagram for fuse positions



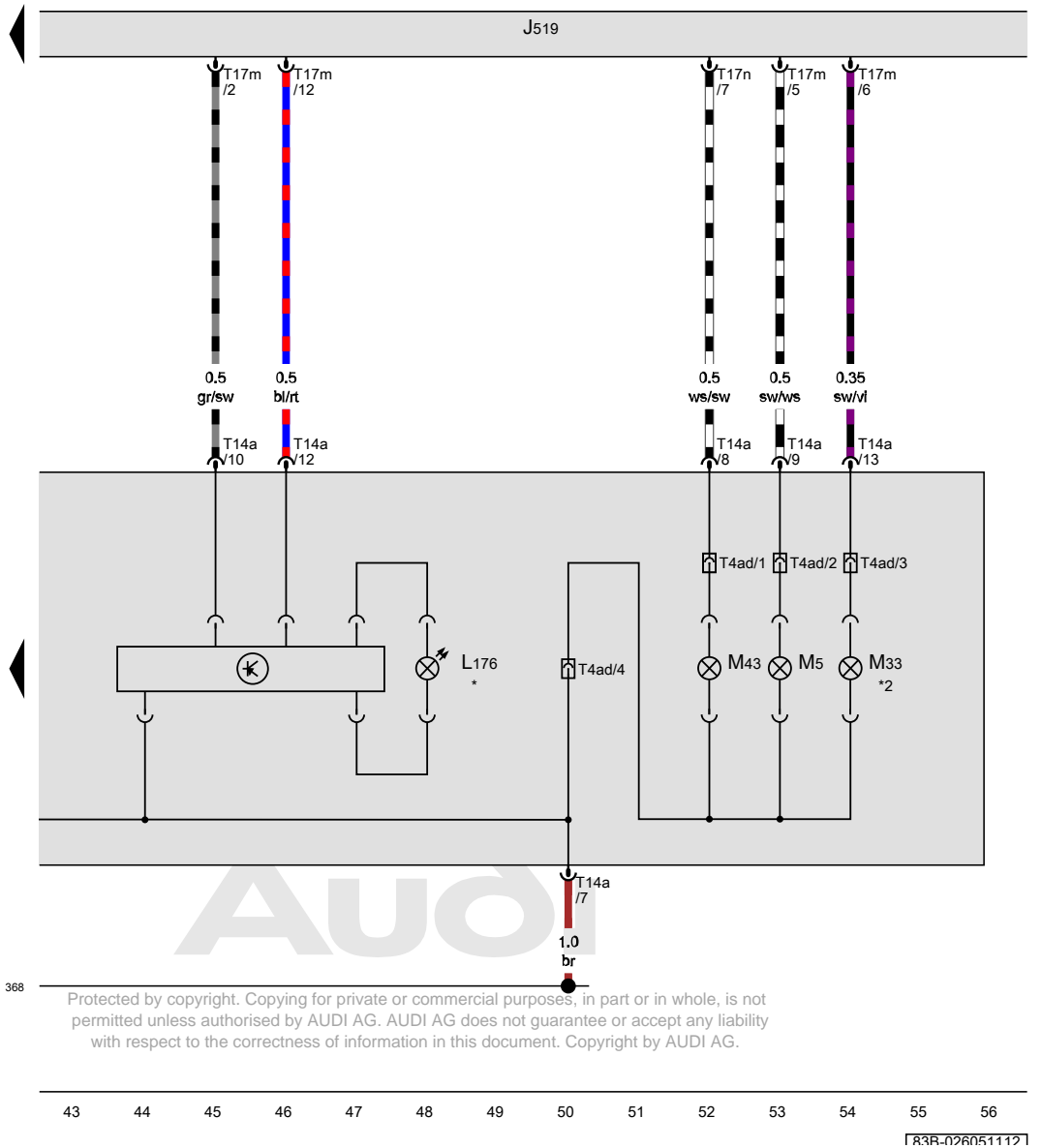
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- rs = pink

Vehicle electrical system control module, Left daytime running lamp and parking lamp LED module, Left front turn signal bulb, Left parking lamp bulb

- J519 Vehicle electrical system control module
- L176 Left daytime running lamp and parking lamp LED module
- M5 Left front turn signal bulb
- M33 Left front side marker lamp bulb
- M43 Left parking lamp bulb
- T4ad 4-pin connector, in the left headlamp
- T14a 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

368 Ground connection 3 (in main wiring harness)

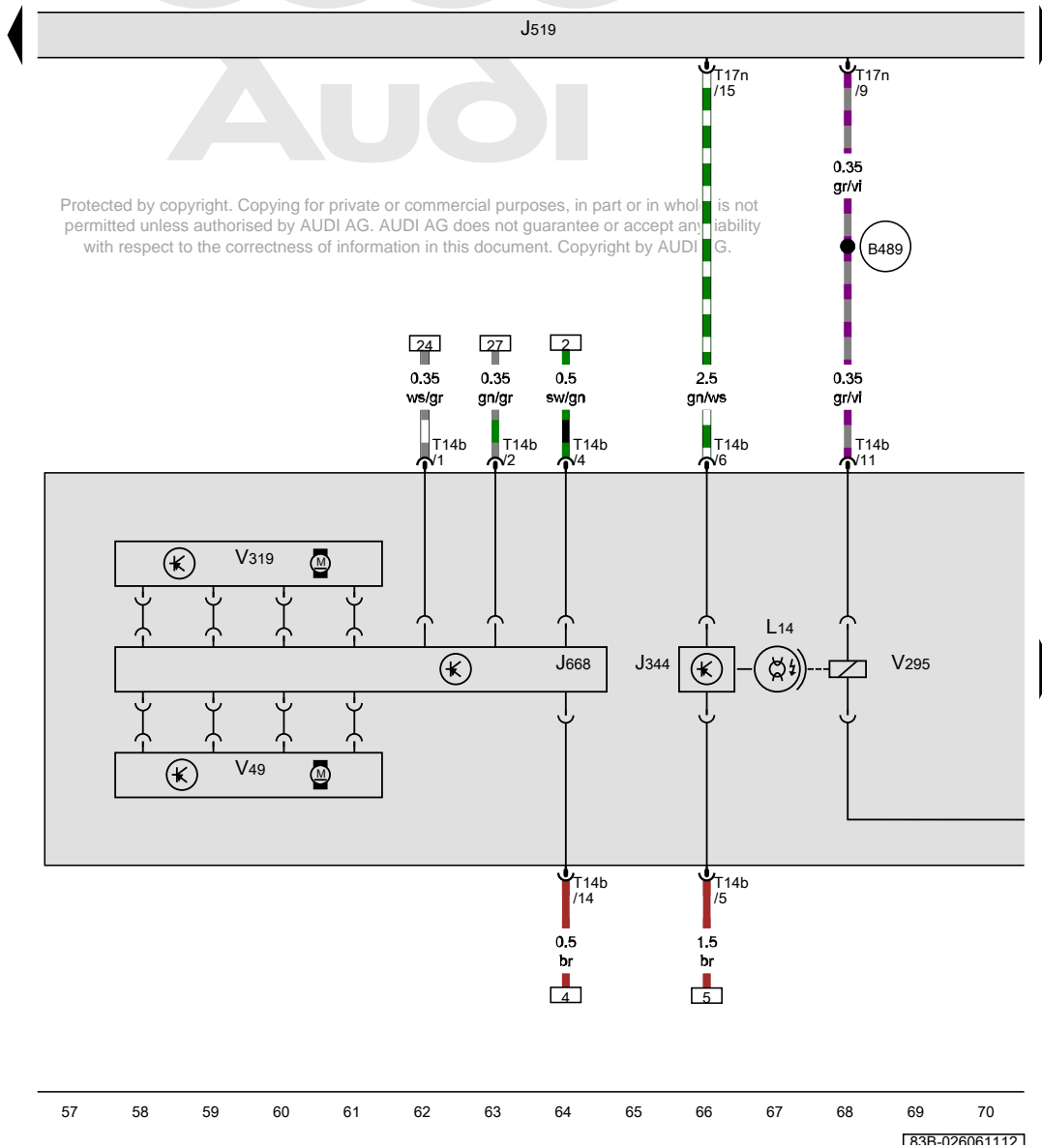
- \* Only for vehicles with daytime running lamps
- \*2 Only for vehicles with US equipment



- ws = white
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183B-0260511121



Right HID headlamp control module, Vehicle electrical system control module, Right headlamp power output stage, Right HID headlamp bulb, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor, Right adaptive cornering lamp motor

- J344 Right HID headlamp control module
- J519 Vehicle electrical system control module
- J668 Right headlamp power output stage
- L14 Right HID headlamp bulb
- T14b 14-pin connector
- T17n 17-pin connector
- V49 Right headlamp beam adjustment motor
- V295 Right low beam headlamp reflector motor
- V319 Right adaptive cornering lamp motor

B489 Connection 25 (in main wiring harness)

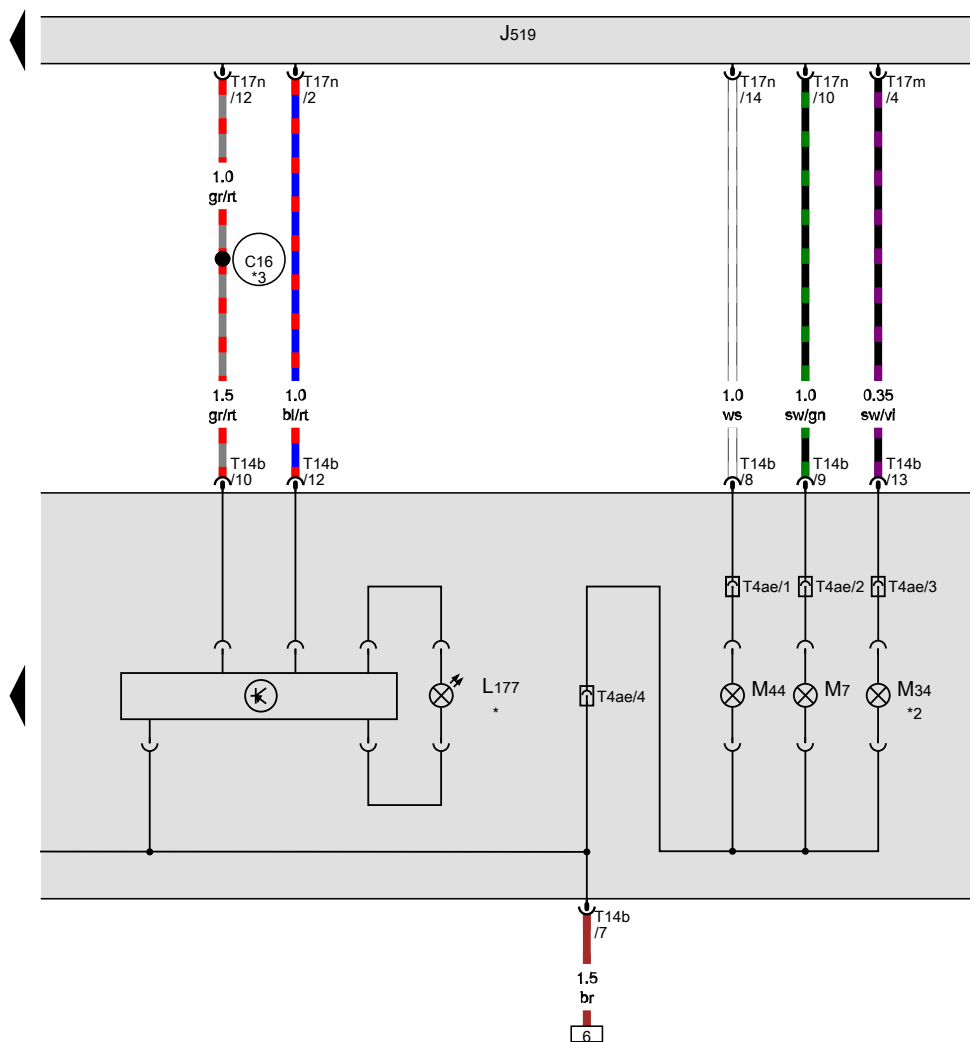
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- ge = yellow
- or = orange
- rs = pink

Vehicle electrical system control module, Right front turn signal bulb, Right parking lamp bulb

- J519 Vehicle electrical system control module
- L177 Right daytime running lamp and parking lamp LED module
- M7 Right front turn signal bulb
- M34 Right front side marker lamp bulb
- M44 Right parking lamp bulb
- T4ae 4-pin connector, in the right headlamp
- T14b 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

C16 Connection 2 (in headlamp wiring harness)

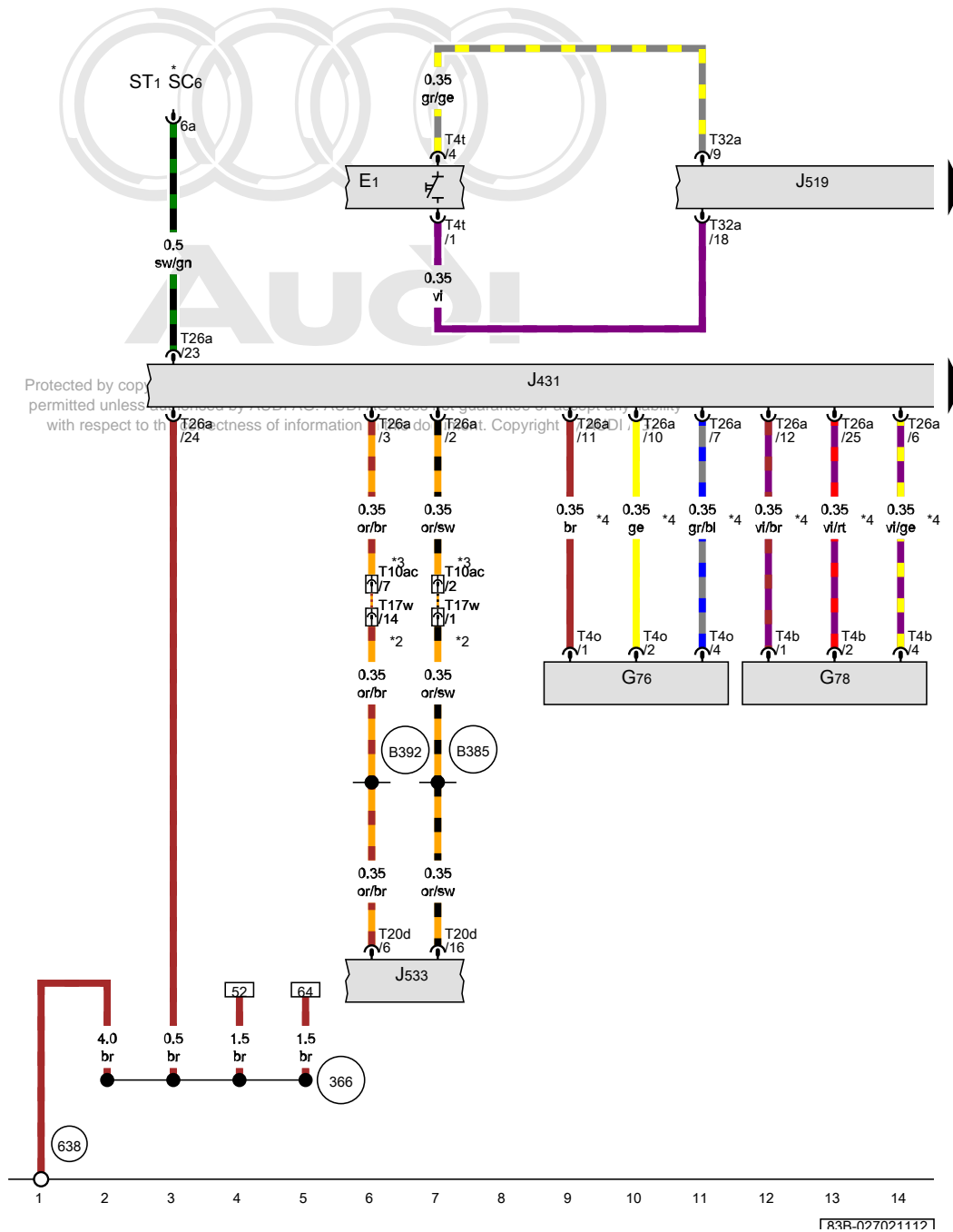
- \* Only for vehicles with daytime running lamps
- \*2 Only for vehicles with US equipment
- \*3 Running change



- ws = white
- sw = black
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- br = brown
- gn = green
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- or = orange
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**Headlamps, HID with automatic headlamp range control**  
from September 2008**Audi**

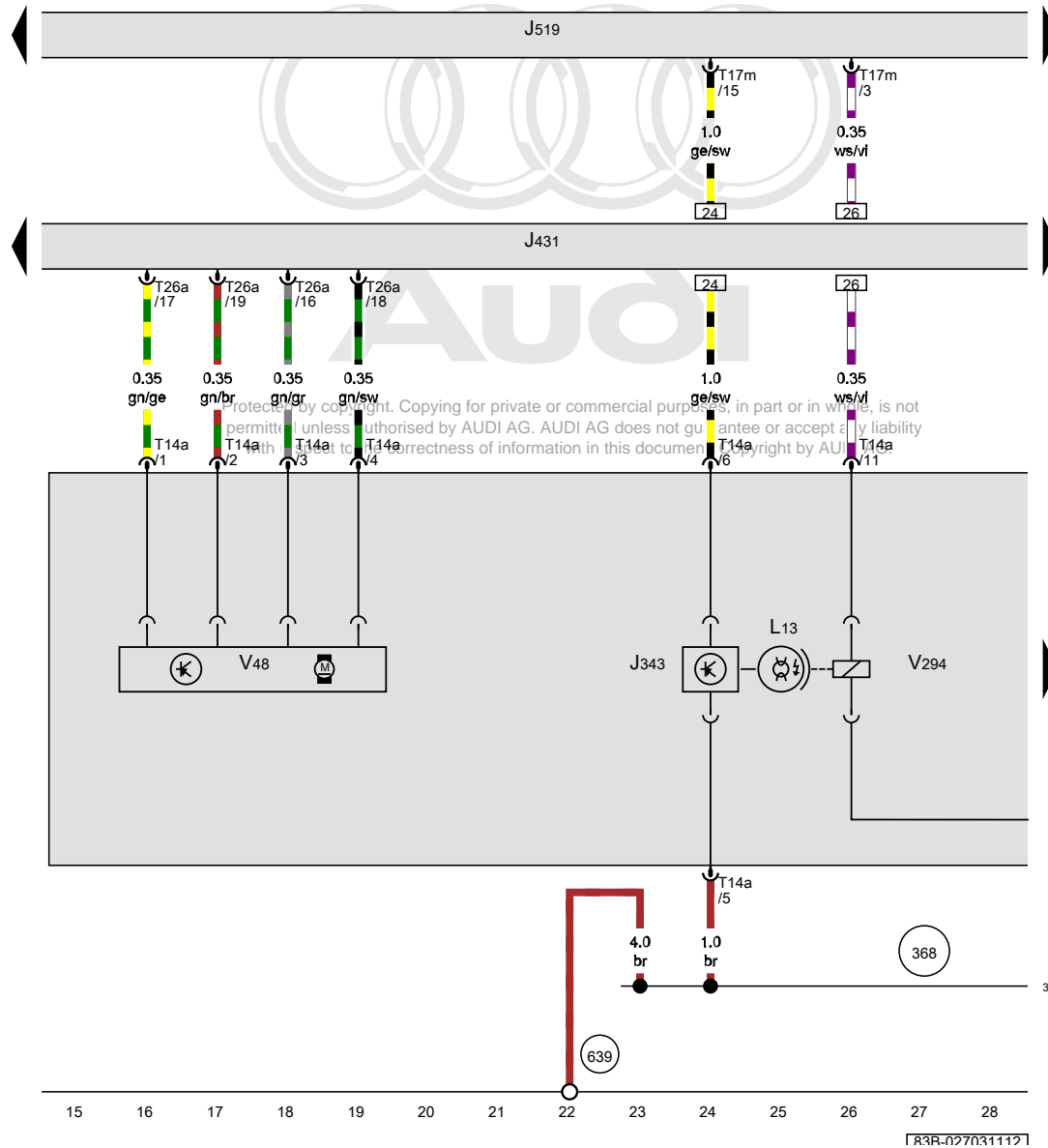
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Light switch, Left rear level control system sensor, Headlamp range control module, Vehicle electrical system control module

- E1 Light switch
- G76 Left rear level control system sensor
- G78 Left front level control system sensor
- J431 Headlamp range control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- T4b 4-pin connector
- T4o 4-pin connector
- T4t 4-pin connector
- T10ac 10-pin connector
- T17w 17-pin connector, white
- T20d 20-pin connector
- T26a 26-pin connector
- T32a 32-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 through April 2009
- \*4 Only for vehicles without level control system



Left HID headlamp control module, Headlamp range control module, Vehicle electrical system control module, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor

- J343 Left HID headlamp control module
- J431 Headlamp range control module
- J519 Vehicle electrical system control module
- L13 Left HID headlamp bulb
- T14a 14-pin connector
- T17m 17-pin connector
- T26a 26-pin connector
- V48 Left headlamp beam adjustment motor
- V294 Left low beam headlamp reflector motor

368 Ground connection 3 (in main wiring harness)

639 Ground connection on left A-pillar



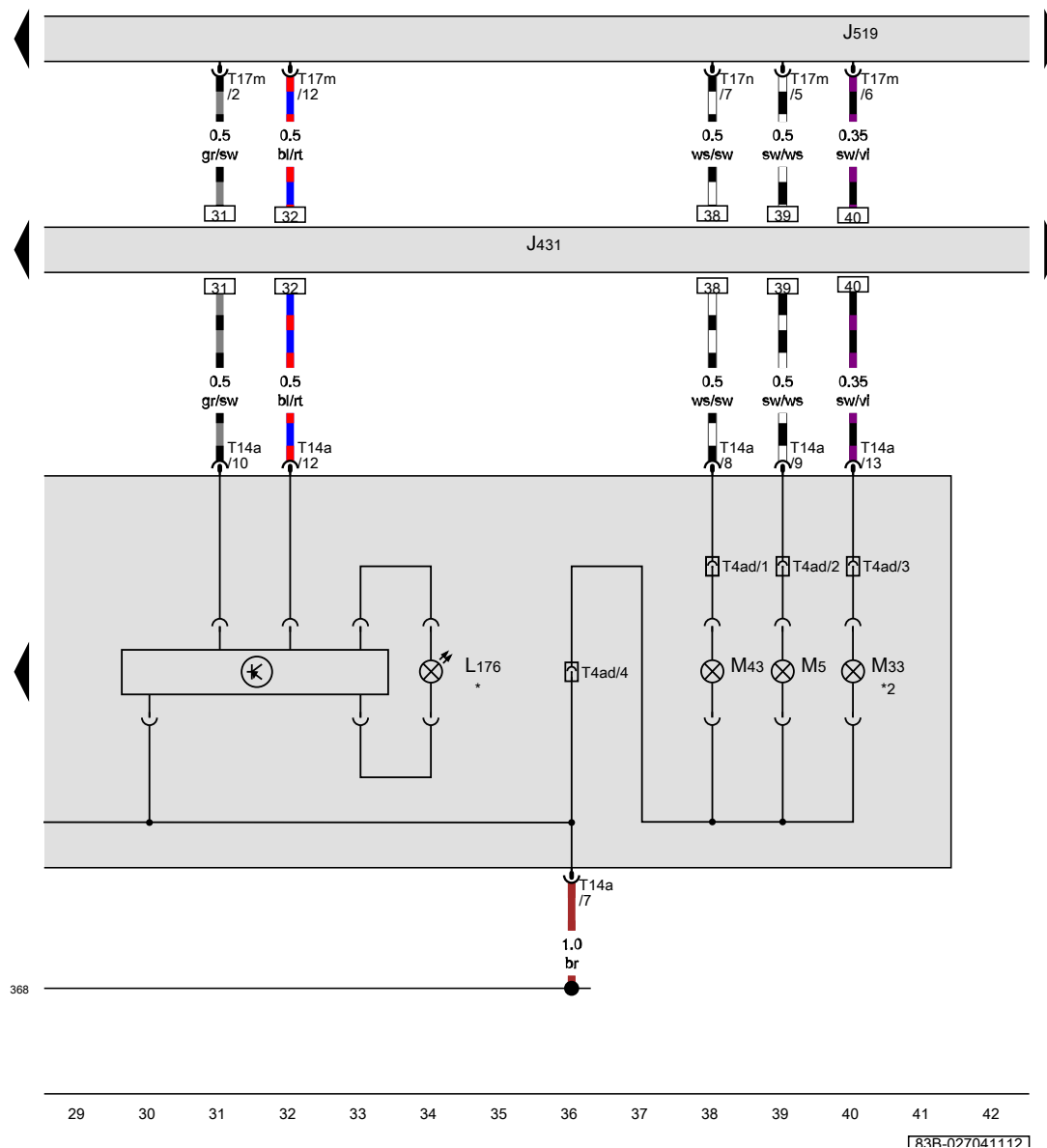
Headlamp range control module, Vehicle electrical system control module, Left daytime running lamp and parking lamp LED module

- J431 Headlamp range control module
- J519 Vehicle electrical system control module
- L176 Left daytime running lamp and parking lamp LED module
- M5 Left front turn signal bulb
- M33 Left front side marker lamp bulb
- M43 Left parking lamp bulb
- T4ad 4-pin connector, in the left headlamp
- T14a 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

368 Ground connection 3 (in main wiring harness)

- \* Only for vehicles with daytime running lamps
- \*2 Special equipment

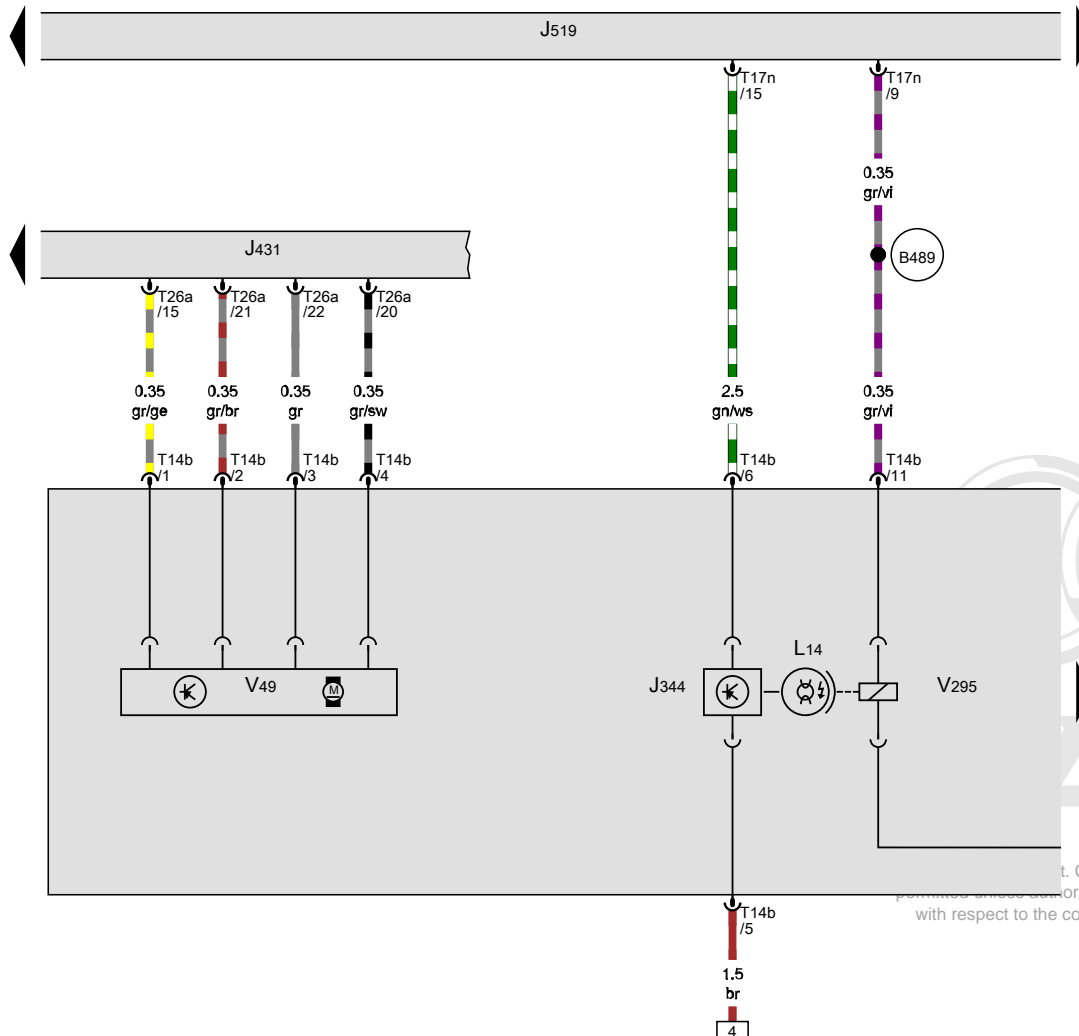
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- or = orange
- rs = pink

Right HID headlamp control module, Headlamp range control module, Vehicle electrical system control module, Right HID headlamp bulb, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor

- J344 Right HID headlamp control module
- J431 Headlamp range control module
- J519 Vehicle electrical system control module
- L14 Right HID headlamp bulb
- T14b 14-pin connector
- T17n 17-pin connector
- T26a 26-pin connector
- V49 Right headlamp beam adjustment motor
- V295 Right low beam headlamp reflector motor
- (B489) Connection 25 (in main wiring harness)



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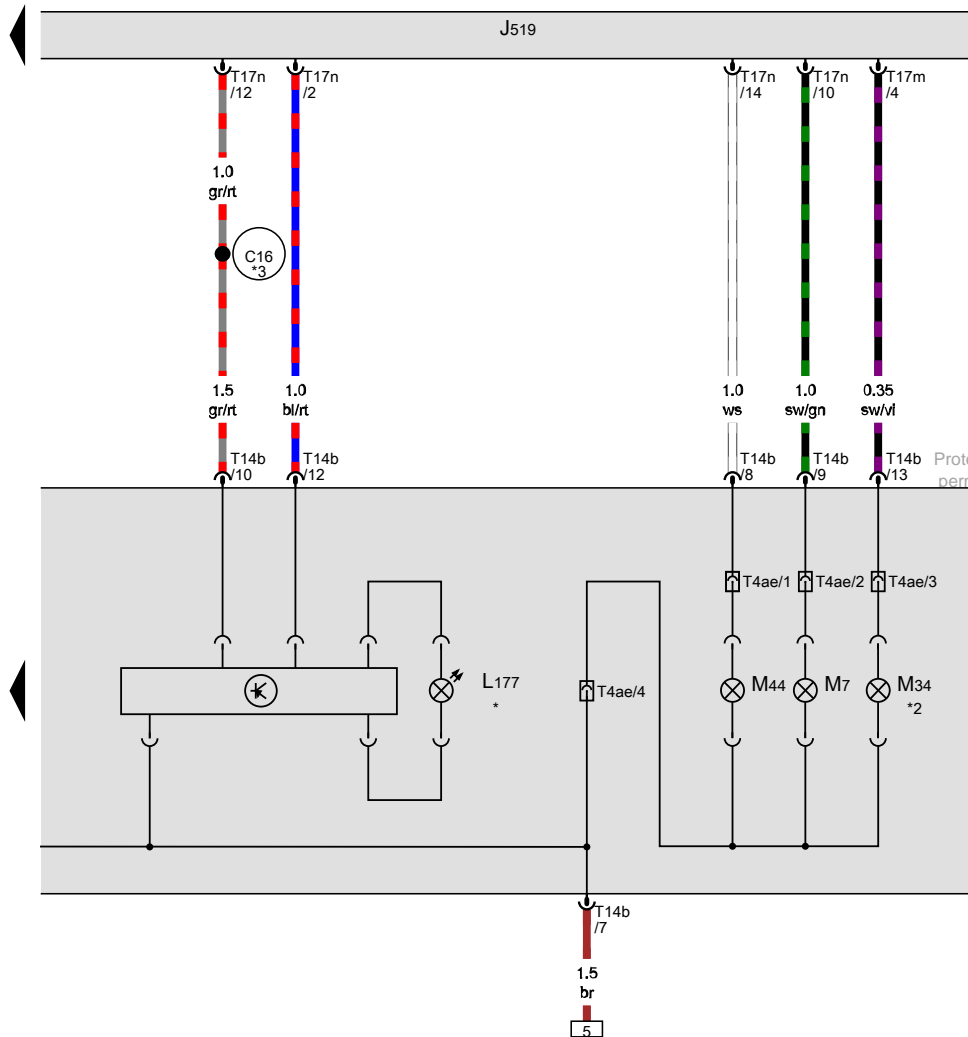
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- gr = grey
- li = lilac
- ge = yellow
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- rs = pink

Vehicle electrical system control module, Right front turn signal bulb

- J519 Vehicle electrical system control module
- L177 Right daytime running lamp and parking lamp LED module
- M7 Right front turn signal bulb
- M34 Right front side marker lamp bulb
- M44 Right parking lamp bulb
- T4ae 4-pin connector, in the right headlamp
- T14b 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

C16 Connection 2 (in headlamp wiring harness)

- \* Only for vehicles with daytime running lamps
- \*2 Special equipment
- \*3 Running change



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

183B-0270R11121

**Garage door opener**  
from September 2008



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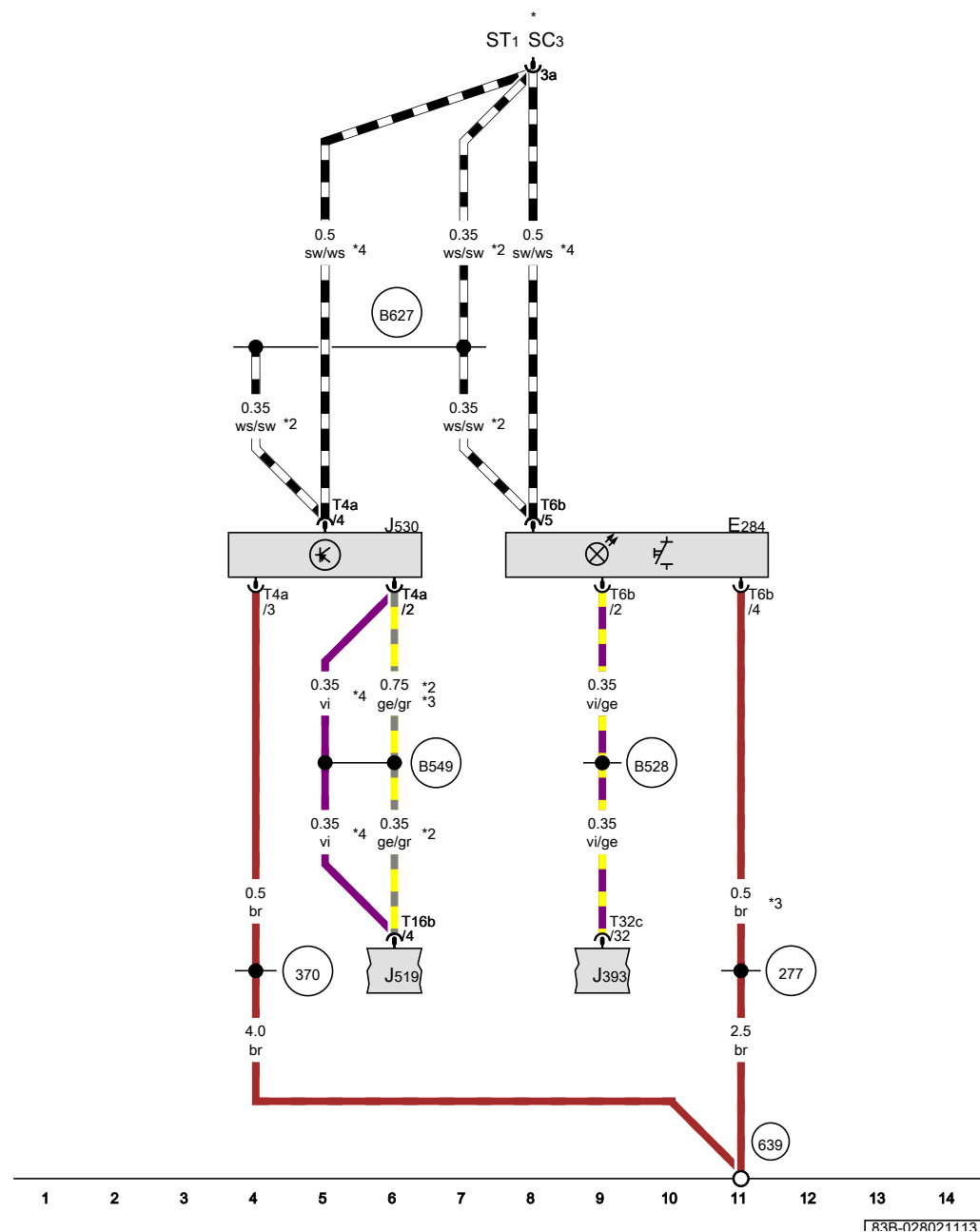
Garage door opener control head, Garage door opener control module

- E284 Garage door opener control head
- J393 Comfort system central control module
- J519 Vehicle electrical system control module
- J530 Garage door opener control module
- ST1 Fuse panel 1
- SC3 Fuse 3 (on fuse panel C)
- T4a 4-pin connector
- T6b 6-pin connector
- T16b 16-pin connector
- T32c 32-pin connector

- 277 Ground connection 3 (in interior wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B528 LIN bus connection 1 (in main wiring harness)
- B549 LIN bus connection 2 (in main wiring harness)
- B627 Positive connection 3 (15) (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Running change
- \*3 Diameter depends on equipment
- \*4 Omitted as a running change

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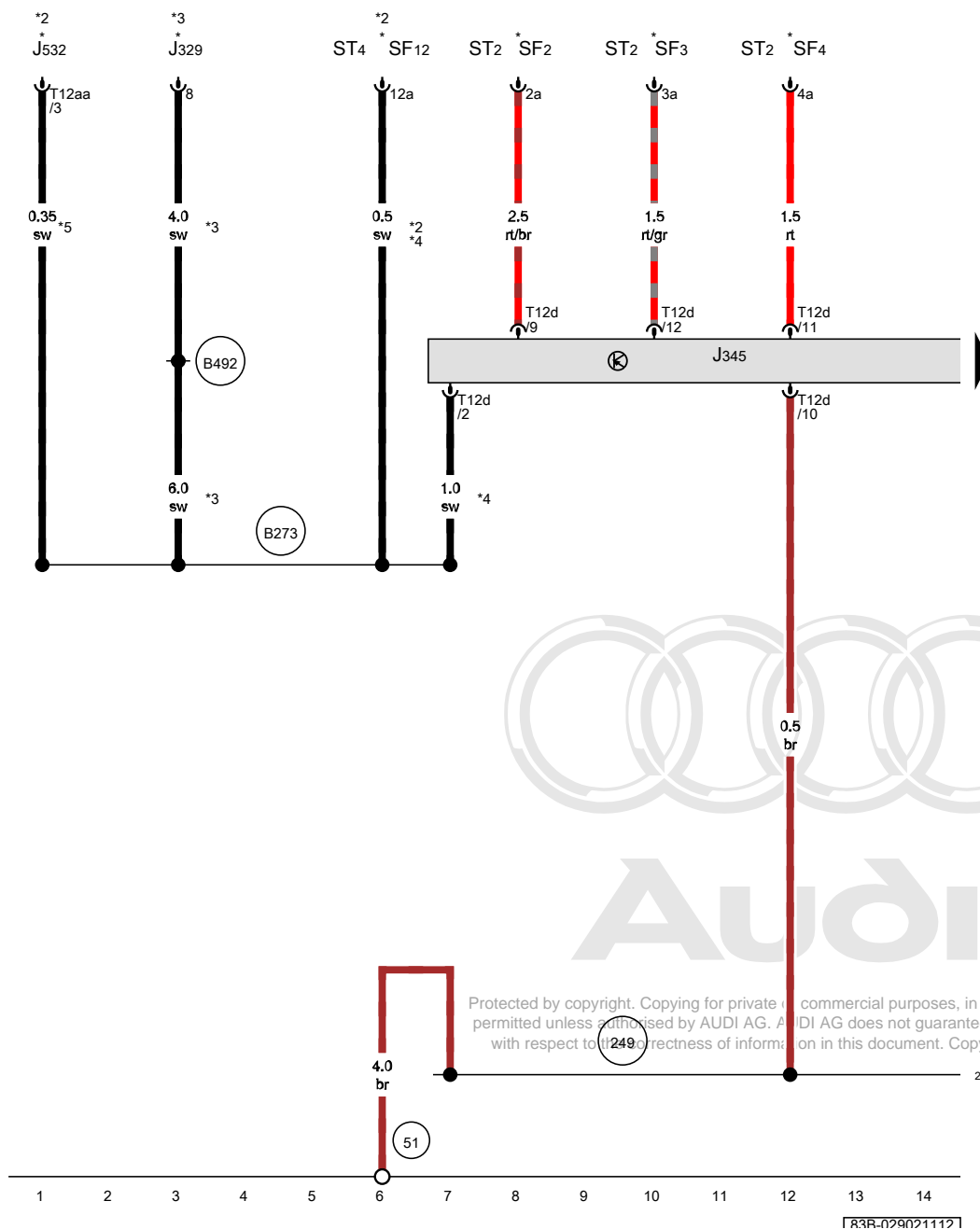
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- vi = lilac
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**Trailer mode**  
from September 2008



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Terminal 15 power supply relay, Towing recognition control module, Voltage stabilizer, Fuse panel 2, Fuse panel 4



- J329 Terminal 15 power supply relay
- J345 Towing recognition control module
- J532 Voltage stabilizer
- ST2 Fuse panel 2
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12aa 12-pin connector
- T12d 12-pin connector
- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B273 Positive connection (15) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 through April 2009
- \*4 Diameter depends on equipment
- \*5 Only for vehicles with Stop/Start system

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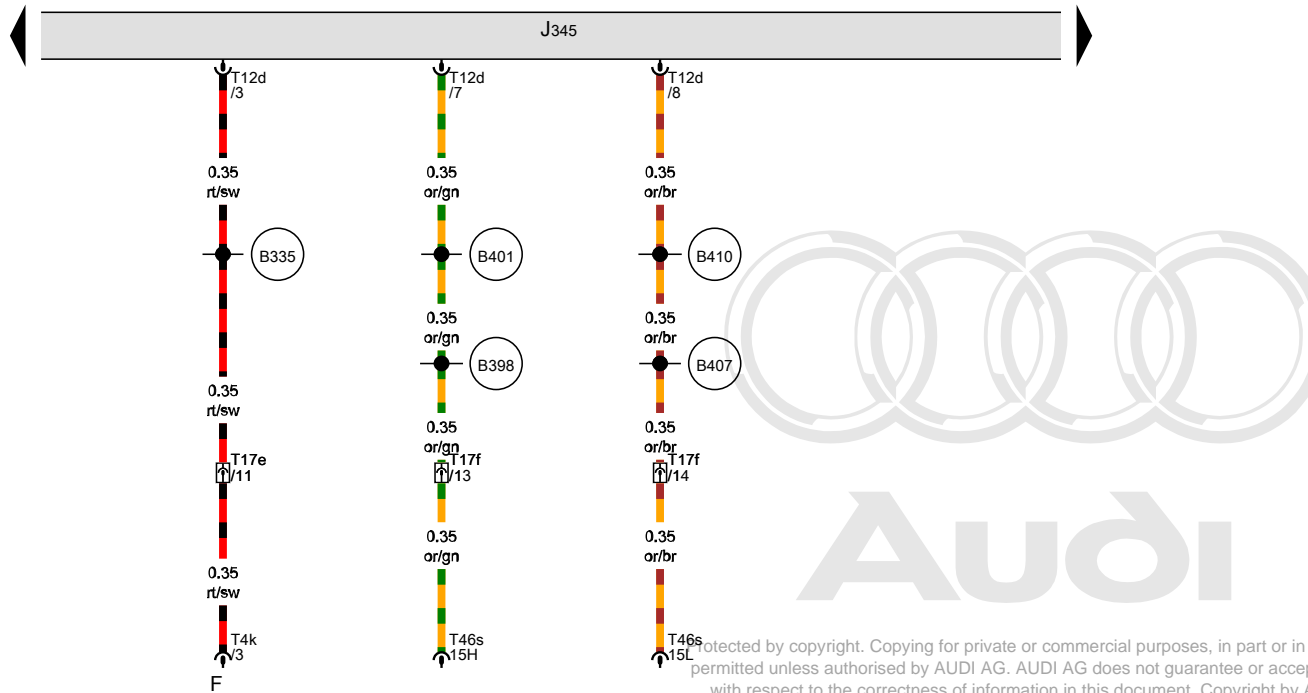
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### Brake lamp switch, Towing recognition control module

- F Brake lamp switch
- J345 Towing recognition control module
- T4k 4-pin connector
- T12d 12-pin connector
- T17e 17-pin connector, red
- T17f 17-pin connector, brown
- T46s 46-pin connector

- 249 Ground connection 2 (in interior wiring harness)
- B335 Connection 54 (in main wiring harness) 1
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

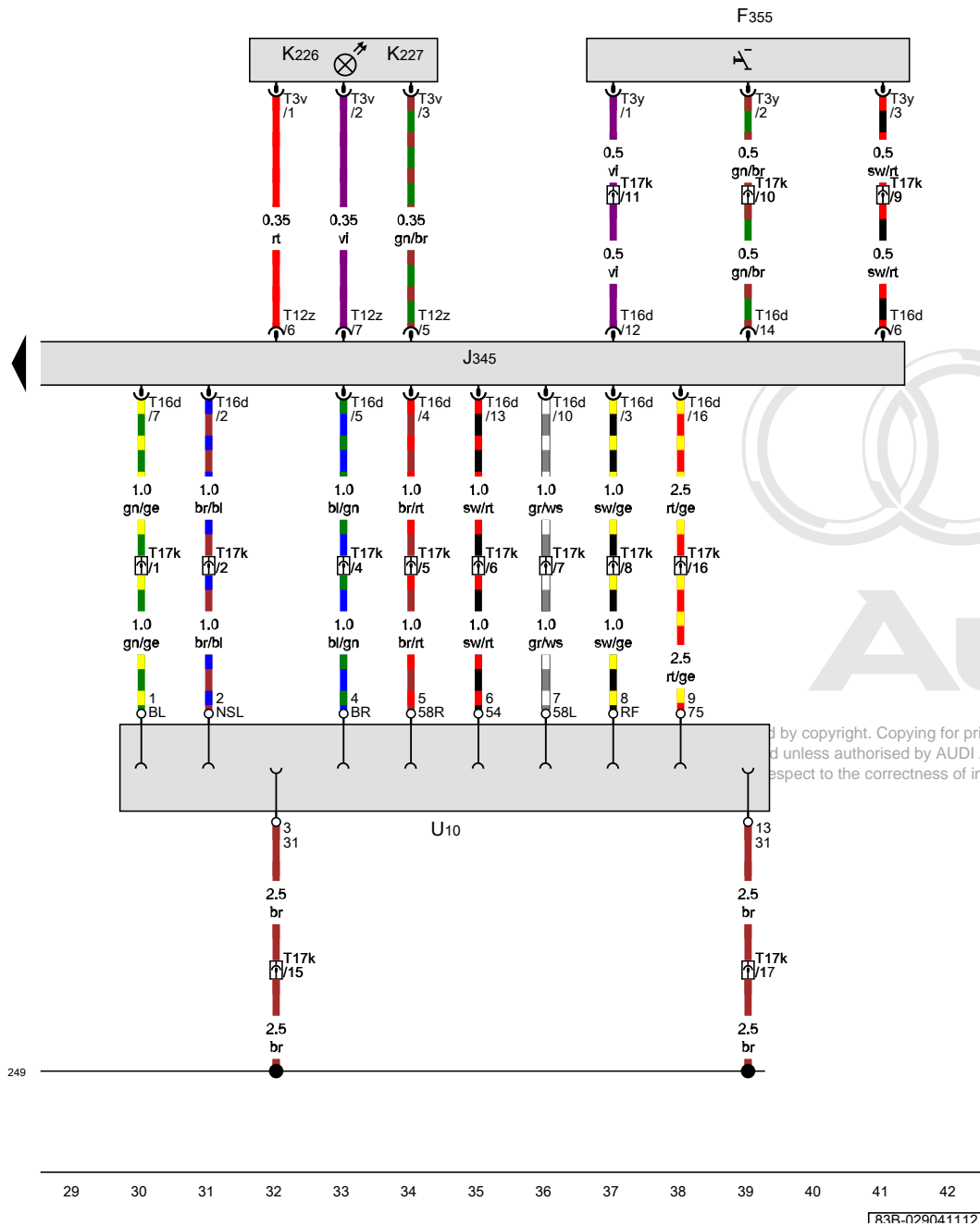


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Lock bolt contact switch, Towing recognition control module, Trailer hitch -locked- indicator lamp, Trailer hitch -unlocked- indicator lamp, Trailer socket

- F355 Lock bolt contact switch
- J345 Towing recognition control module
- K226 Trailer hitch -locked- indicator lamp
- K227 Trailer hitch -unlocked- indicator lamp
- T3v 3-pin connector
- T3y 3-pin connector
- T12z 12-pin connector
- T16d 16-pin connector
- T17k 17-pin connector, black
- U10 Trailer socket
- 249 Ground connection 2 (in interior wiring harness)

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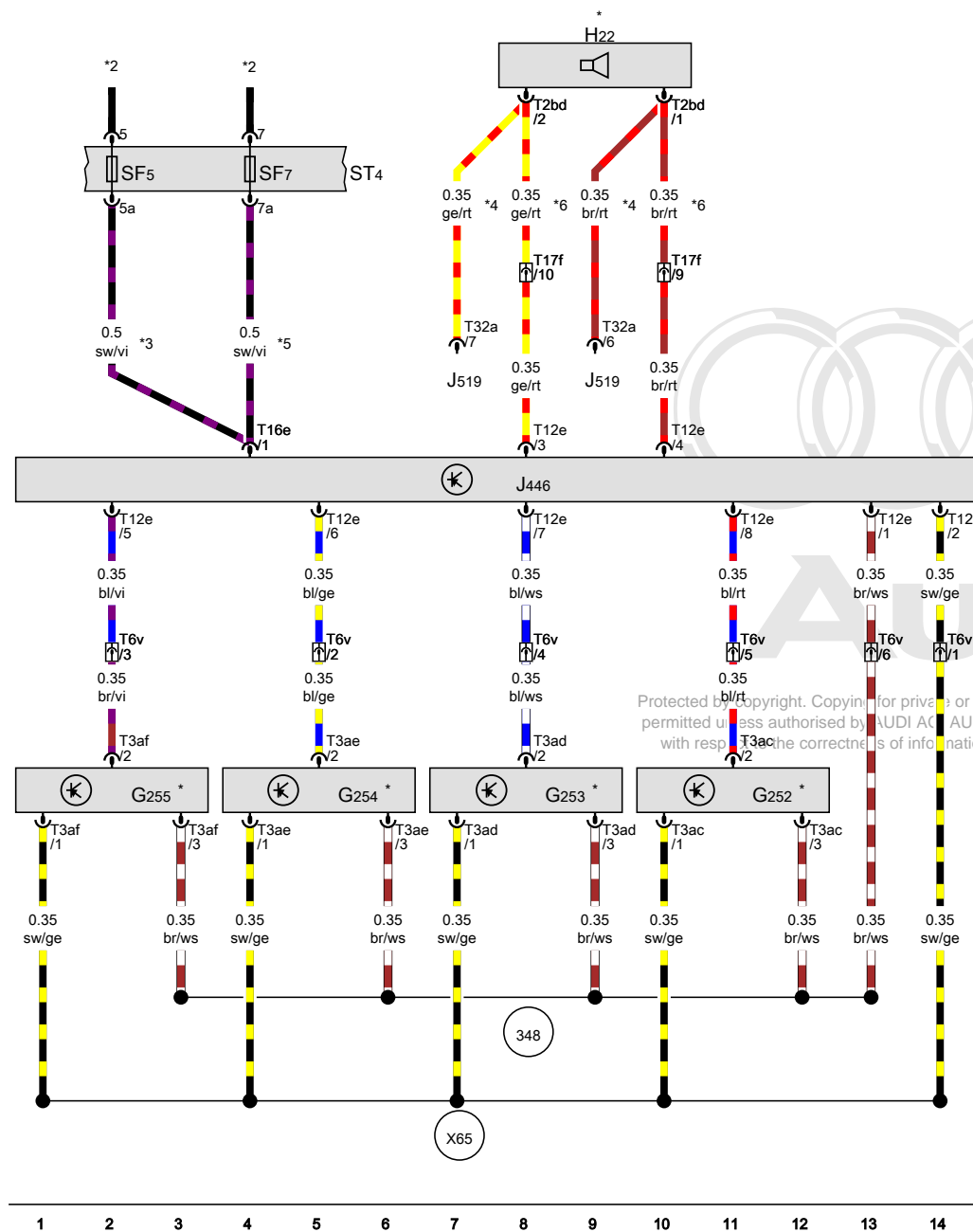
**Parking distance control (PDC) without park assist**

from September 2008



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Left front parking aid sensor, Front parking aid warning buzzer, Parking aid control module



- G252 Right front parking aid sensor
- G253 Right front center parking aid sensor
- G254 Left front center parking aid sensor
- G255 Left front parking aid sensor
- H22 Front parking aid warning buzzer
- J446 Parking aid control module
- J519 Vehicle electrical system control module
- ST4 Fuse panel 4
- SF5 Fuse 5 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- T2bd Double connector
- T3ac 3-pin connector
- T3ad 3-pin connector
- T3ae 3-pin connector
- T3af 3-pin connector
- T6v 6-pin connector, near the front bumper
- T12e 12-pin connector
- T16e 16-pin connector
- T17f 17-pin connector, brown
- T32a 32-pin connector

348 Parking aid ground connection (in front bumper wiring harness)

X65 Parking aid connection (in front bumper wiring harness)

- \* Only for vehicles with front/rear parking aid
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 through April 2009
- \*4 Omitted as a running change
- \*5 from May 2009
- \*6 Running change

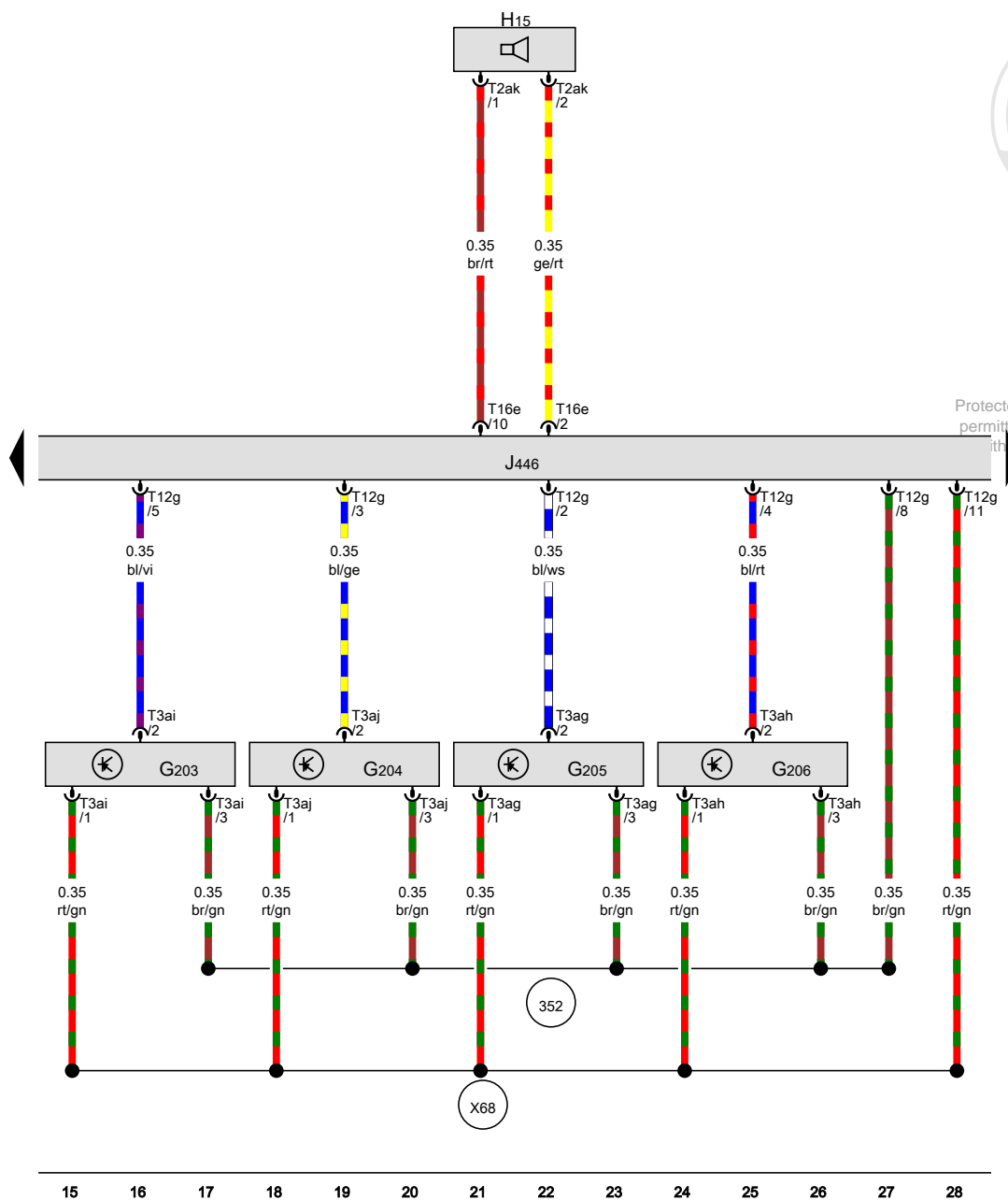
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183R-03000211131

Left rear parking aid sensor, Right rear parking aid sensor,  
Rear parking aid warning buzzer, Parking aid control  
module

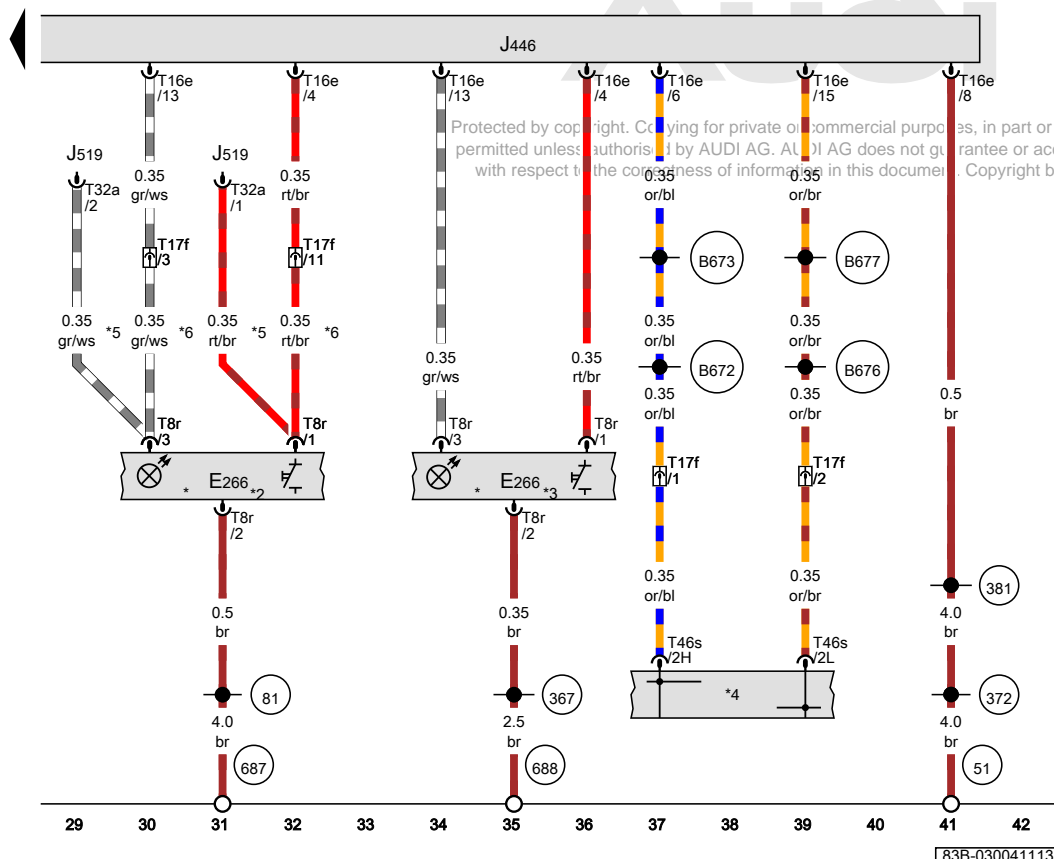
- G203 Left rear parking aid sensor
- G204 Left rear center parking aid sensor
- G205 Right rear center parking aid sensor
- G206 Right rear parking aid sensor
- H15 Rear parking aid warning buzzer
- J446 Parking aid control module
- T2ak Double connector
- T3ag 3-pin connector
- T3ah 3-pin connector
- T3ai 3-pin connector
- T3aj 3-pin connector
- T12g 12-pin connector
- T16e 16-pin connector

- 352 Parking aid ground connection (in rear bumper wiring harness)
- X68 Parking aid connection (in rear bumper wiring harness)



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rs = pink

183B-030031113



# Parking aid button, Parking aid control module

- E266 Parking aid button
- J446 Parking aid control module
- J519 Vehicle electrical system control module
- T8r 8-pin connector
- T16e 16-pin connector
- T17f 17-pin connector, brown
- T32a 32-pin connector
- T46s 46-pin connector

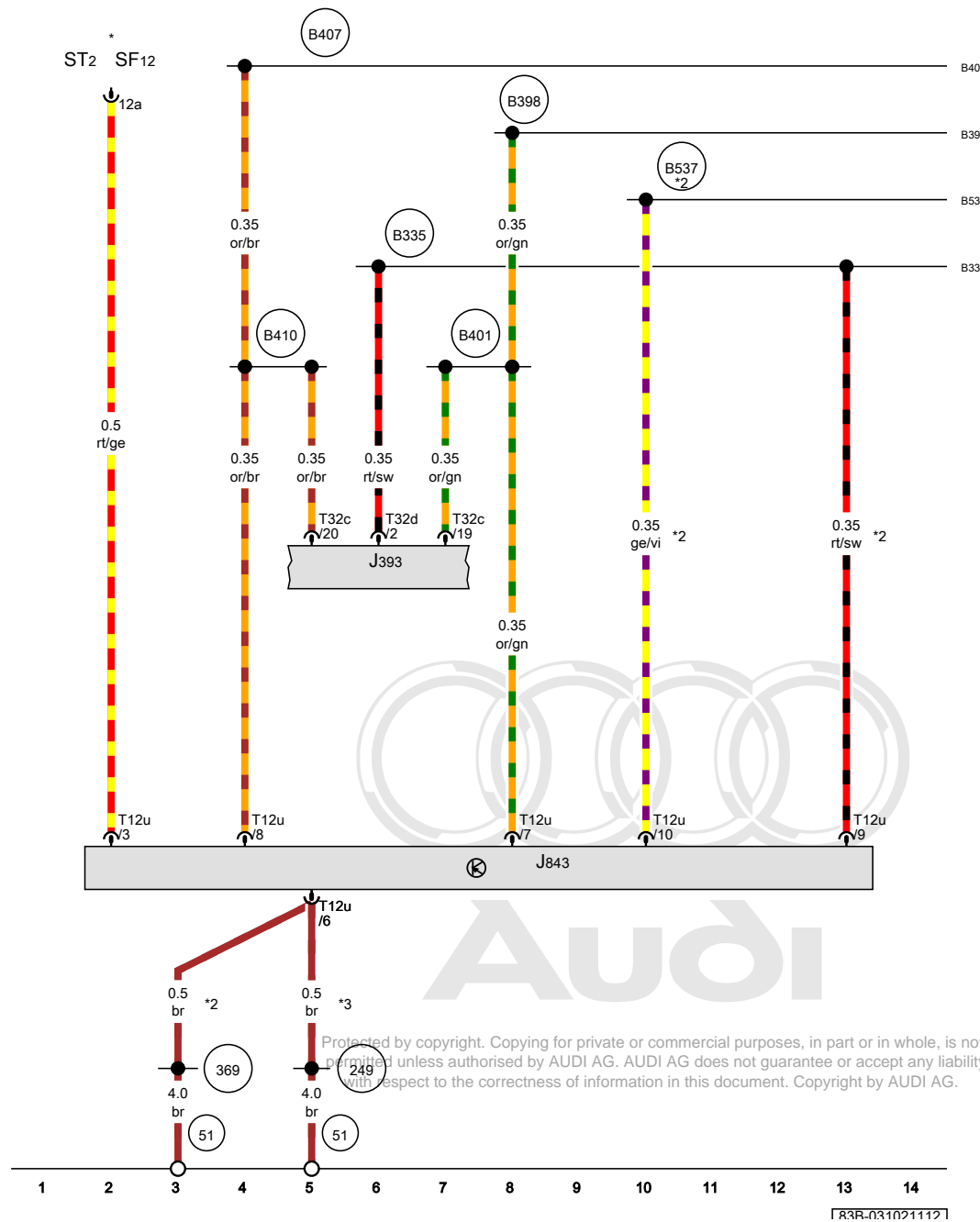
- 51 Ground connection in luggage compartment, right
- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)
- \* Only for vehicles with front/rear parking aid
- \*2 Only for vehicles with navigation system
- \*3 Only for vehicles without a navigation system
- \*4 Refer to the applicable wiring diagram for CAN isolating plug
- \*5 Omitted as a running change
- \*6 Running change

**Special functions interface**

from September 2008



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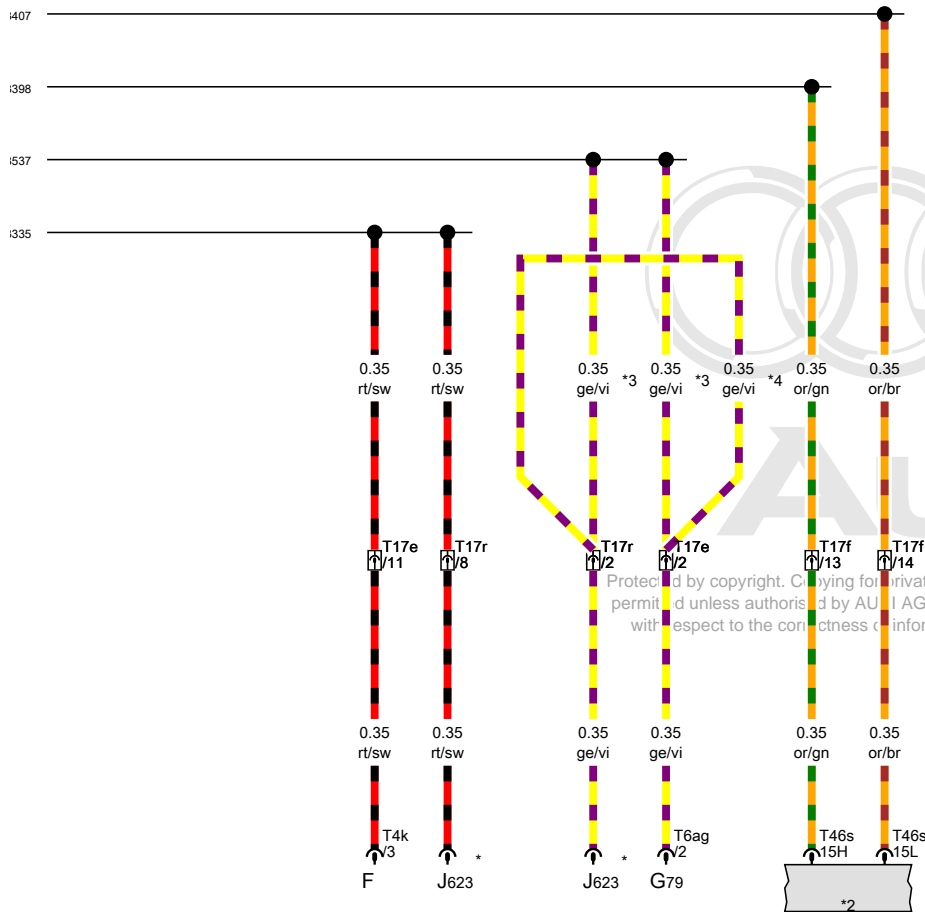
# Comfort system central control module, Vehicle positioning system interface control module

- J393 Comfort system central control module
- J843 Vehicle positioning system interface control module
- ST2 Fuse panel 2
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector
- T32c 32-pin connector
- T32d 32-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- B335 Connection 54 (in main wiring harness) 1
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- B537 Connection 28 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Omitted as a running change
- \*3 Running change

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- rs = pink



Brake lamp switch, Accelerator pedal position sensor, Engine control module

- F Brake lamp switch
- G79 Accelerator pedal position sensor
- J623 Engine control module
- T4k 4-pin connector
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17f 17-pin connector, brown
- T17r 17-pin connector, white
- T46s 46-pin connector

- B335 Connection 54 (in main wiring harness) 1
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B537 Connection 28 (in main wiring harness)

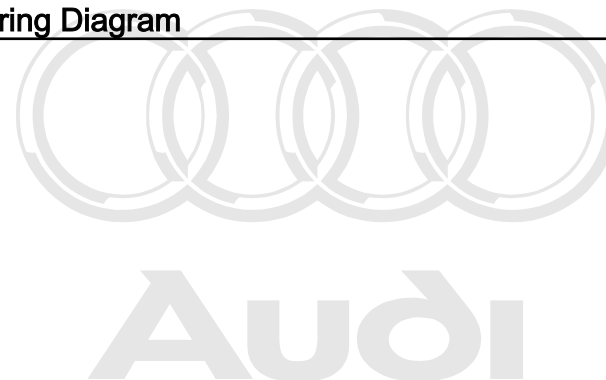
- \* Refer to applicable engine wiring diagram
- \*2 Front passenger connection bridge, brown
- \*3 Omitted as a running change
- \*4 Running change

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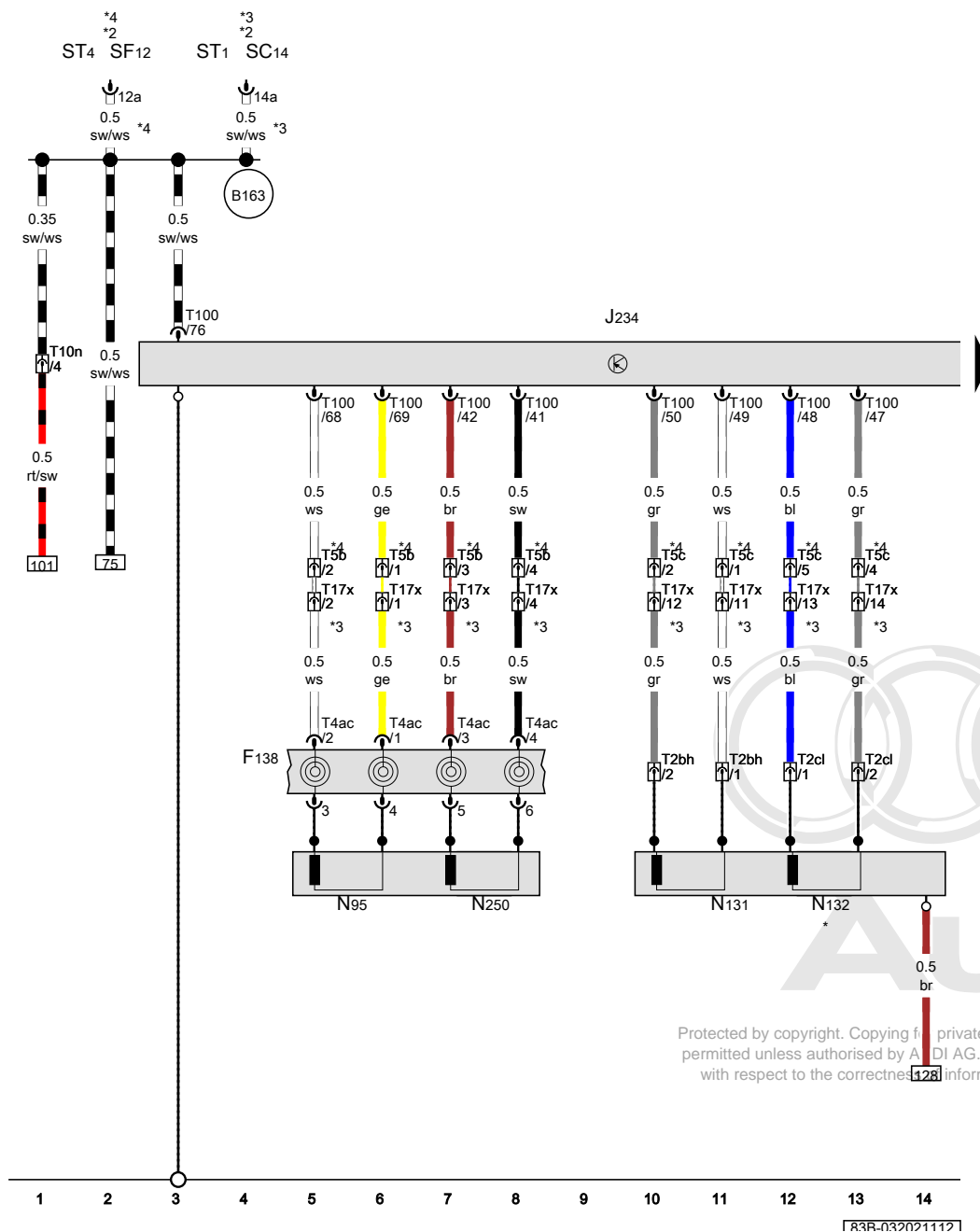


**Airbag systems**  
from September 2008



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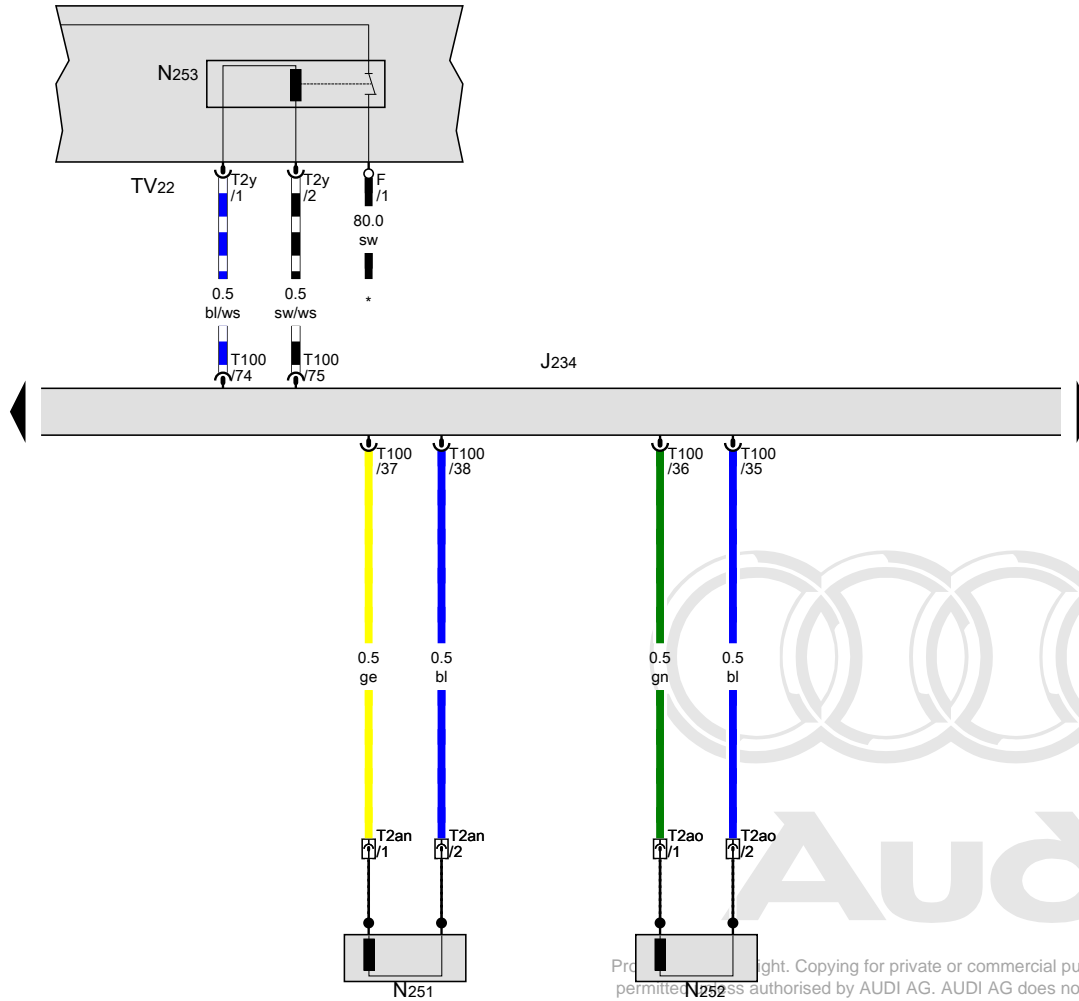
Airbag spiral spring/return spring with slip ring, Airbag control module, Driver airbag igniter, Front passenger airbag igniter 1, Front passenger airbag igniter 2, Driver airbag igniter 2



- 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
- ST1 Fuse panel 1
- ST4 Fuse panel 4
- SF12 Fuse 12 (on fuse panel F)
- SC14 Fuse 14 (on fuse panel C)
- T2bh Double connector, green
- T2cl Double connector, black
- T4ac 4-pin connector
- T5b 5-pin connector, yellow
- T5c 5-pin connector, yellow
- T10n 10-pin connector, black
- T17x 17-pin connector, yellow
- T100 100-pin connector
- B163 Positive connection 1 (15) (in interior wiring harness)
- \* If available
- \*2 Refer to applicable wiring diagram for fuse positions from May 2009
- \*3 through April 2009
- \*4

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Airbag control module, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter, Battery interrupt igniter, Terminal 30 wire junction 2

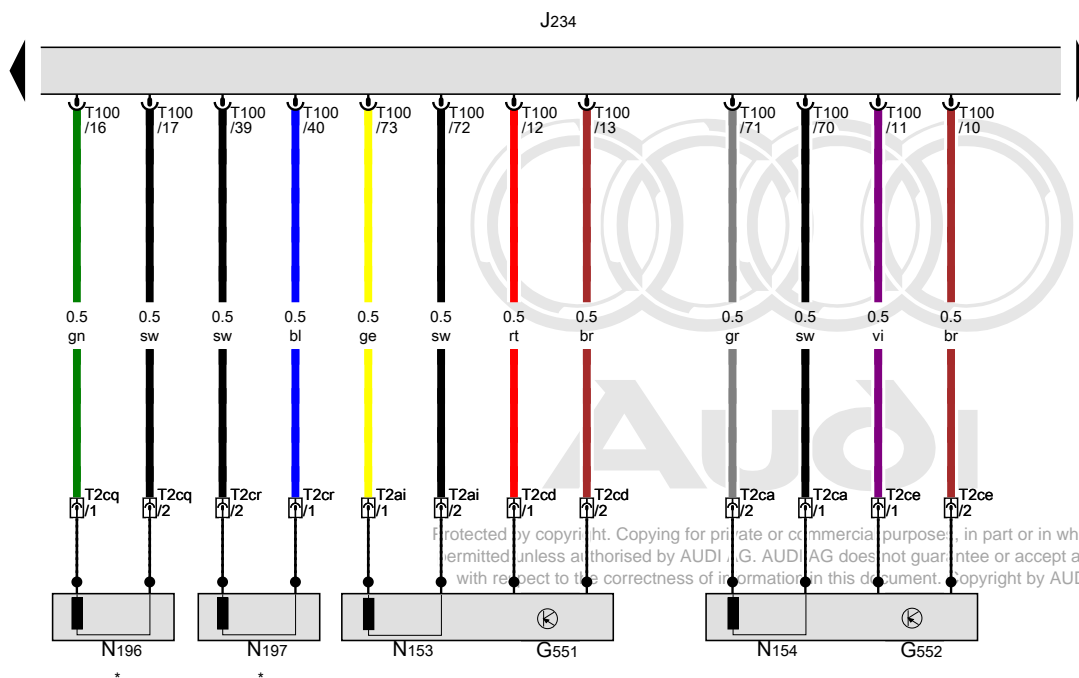
- J234 Airbag control module
- N251 Driver head curtain airbag igniter
- N252 Front passenger head curtain airbag igniter
- N253 Battery interrupt igniter
- T2an Double connector, blue
- T2ao Double connector, blue
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- \* Refer to applicable wiring diagram for fuse positions

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Driver belt force limiter, Front passenger belt force limiter, Airbag control module, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter

- G551 Driver belt force limiter
- G552 Front passenger belt force limiter
- 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 Passenger side rear seat belt tensioner igniter
- T2ai Double connector, black
- T2ca Double connector, black
- T2cd Double connector, yellow
- T2ce Double connector, yellow
- T2cq Double connector, green
- T2cr Double connector, green
- T100 100-pin connector
- \* Special equipment



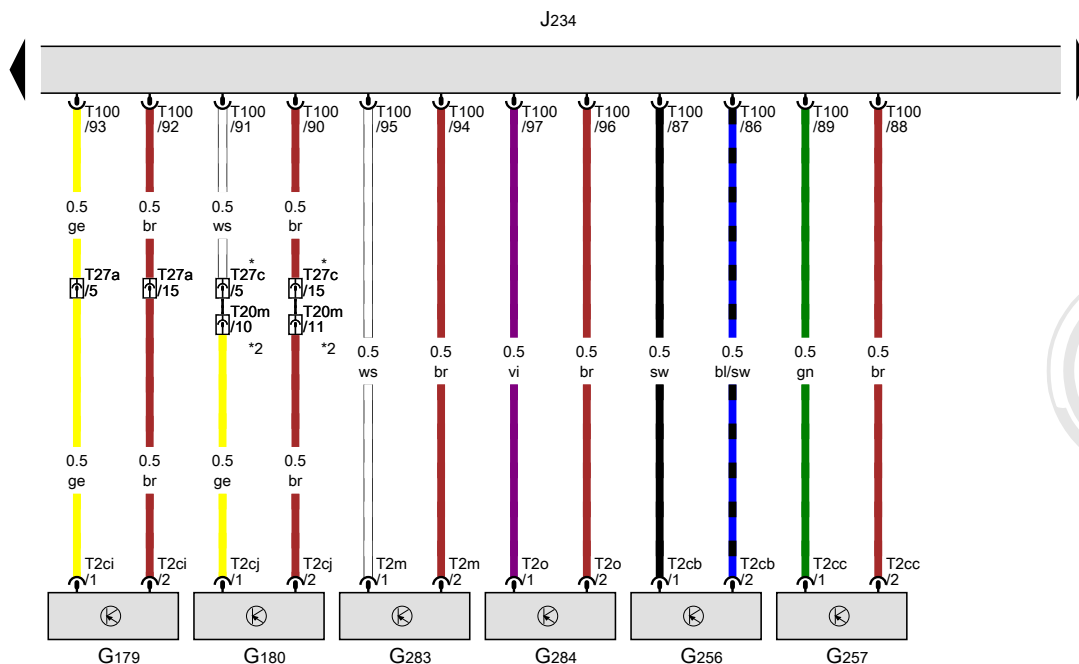
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29 30 31 32 33 34 35 36 37 38 39 40 41 42

[83B-032041112]

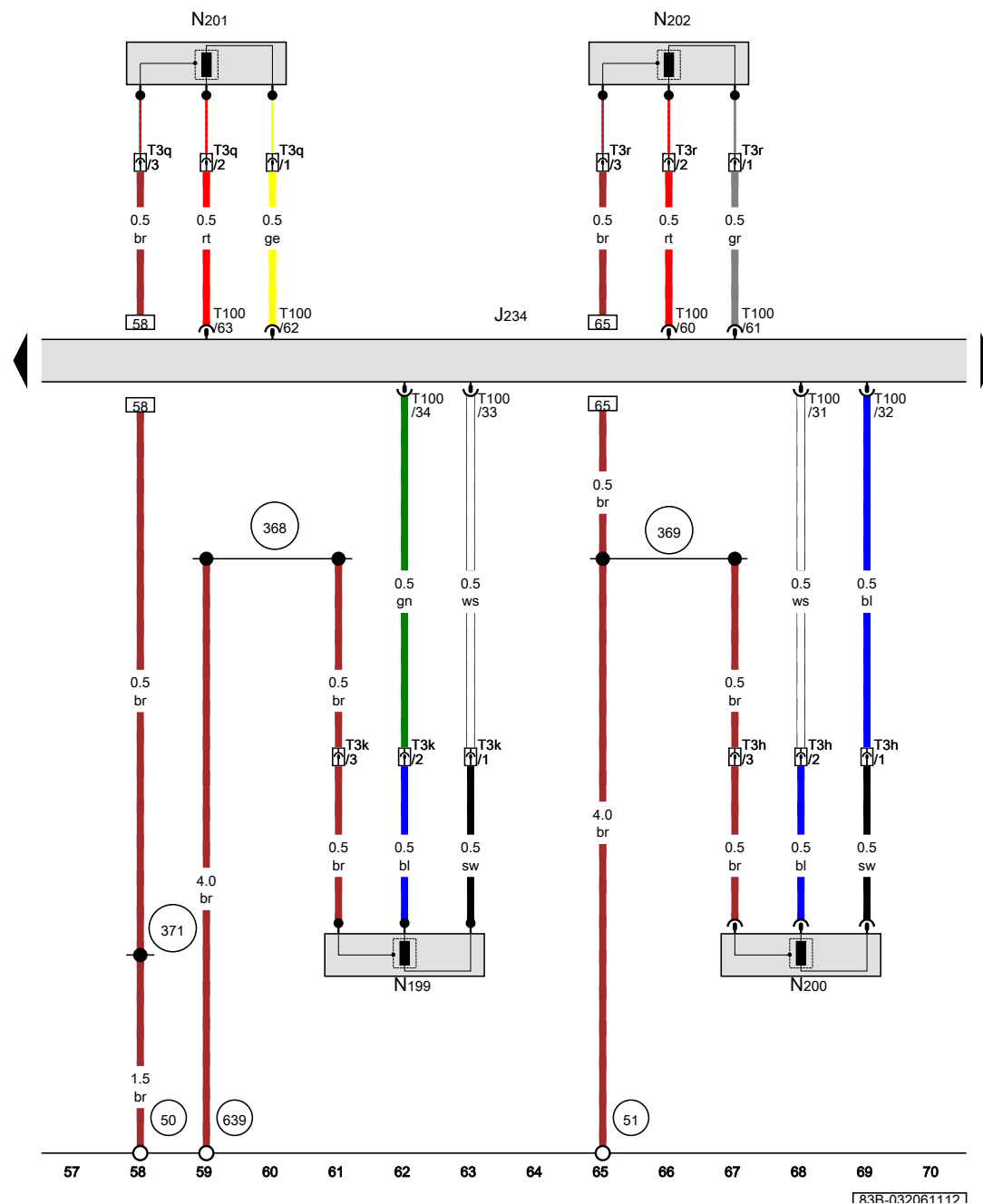
Driver side airbag crash sensor, Front passenger side airbag crash sensor, Driver side rear side airbag crash sensor, Passenger side rear side airbag crash sensor, Driver front airbag crash sensor, Passenger side front airbag crash sensor, Airbag control module

- G179 Driver side airbag crash sensor
- G180 Front passenger side airbag crash sensor
- G256 Driver side rear side airbag crash sensor
- G257 Passenger side rear side airbag crash sensor
- G283 Driver front airbag crash sensor
- G284 Passenger side front airbag crash sensor
- J234 Airbag control module
- T2cb Double connector
- T2cc Double connector
- T2ci Double connector
- T2cj Double connector
- T2m Double connector
- T2o Double connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- T100 100-pin connector
- \* Omitted as a running change
- \*2 Running change



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Airbag control module, Driver thorax airbag igniter, Front passenger thorax airbag igniter, Driver side rear thorax airbag igniter, Passenger side rear thorax airbag igniter

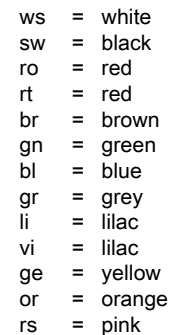
- J234 Airbag control module
- N199 Driver thorax airbag igniter
- N200 Front passenger thorax airbag igniter
- N201 Driver side rear thorax airbag igniter
- N202 Passenger side rear thorax airbag igniter
- T3h 3-pin connector, yellow
- T3k 3-pin connector, yellow
- T3q 3-pin connector, yellow
- T3r 3-pin connector, yellow
- T100 100-pin connector

- 50 Ground connection in luggage compartment, left
- 51 Ground connection in luggage compartment, right
- 368 Ground connection 3 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 639 Ground connection on left A-pillar

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E224	Front passenger airbag deactivation key switch
J234	Airbag control module
K145	Front passenger airbag -disabled- indicator lamp
T6ae	6-pin connector
T12k	12-pin connector, near the glove compartment
T17f	17-pin connector, brown
T17g	17-pin connector, black
T100	100-pin connector

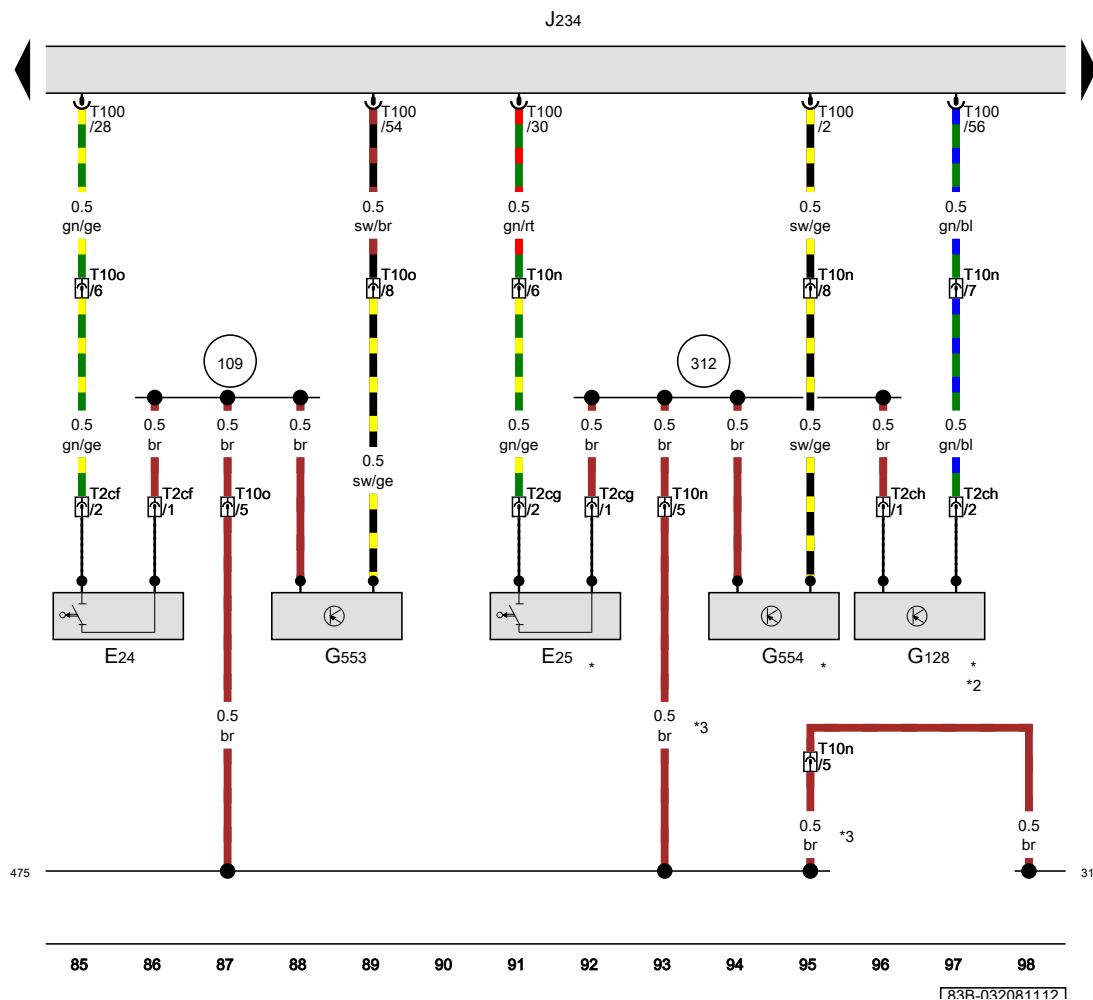
\* Only on vehicles with front passenger airbag deactivation key switch



Driver seat belt switch, Front passenger seat belt switch, Front passenger seat occupant sensor, Driver seat position sensor, Front passenger seat position sensor, Airbag control module

- E24 Driver seat belt switch
- E25 Front passenger seat belt switch
- G128 Front passenger seat occupant sensor
- G553 Driver seat position sensor
- G554 Front passenger seat position sensor
- J234 Airbag control module
- T2cf Double connector, black
- T2cg Double connector, black
- T2ch Double connector, blue
- T10n 10-pin connector, black
- T10o 10-pin connector, black
- T100 100-pin connector

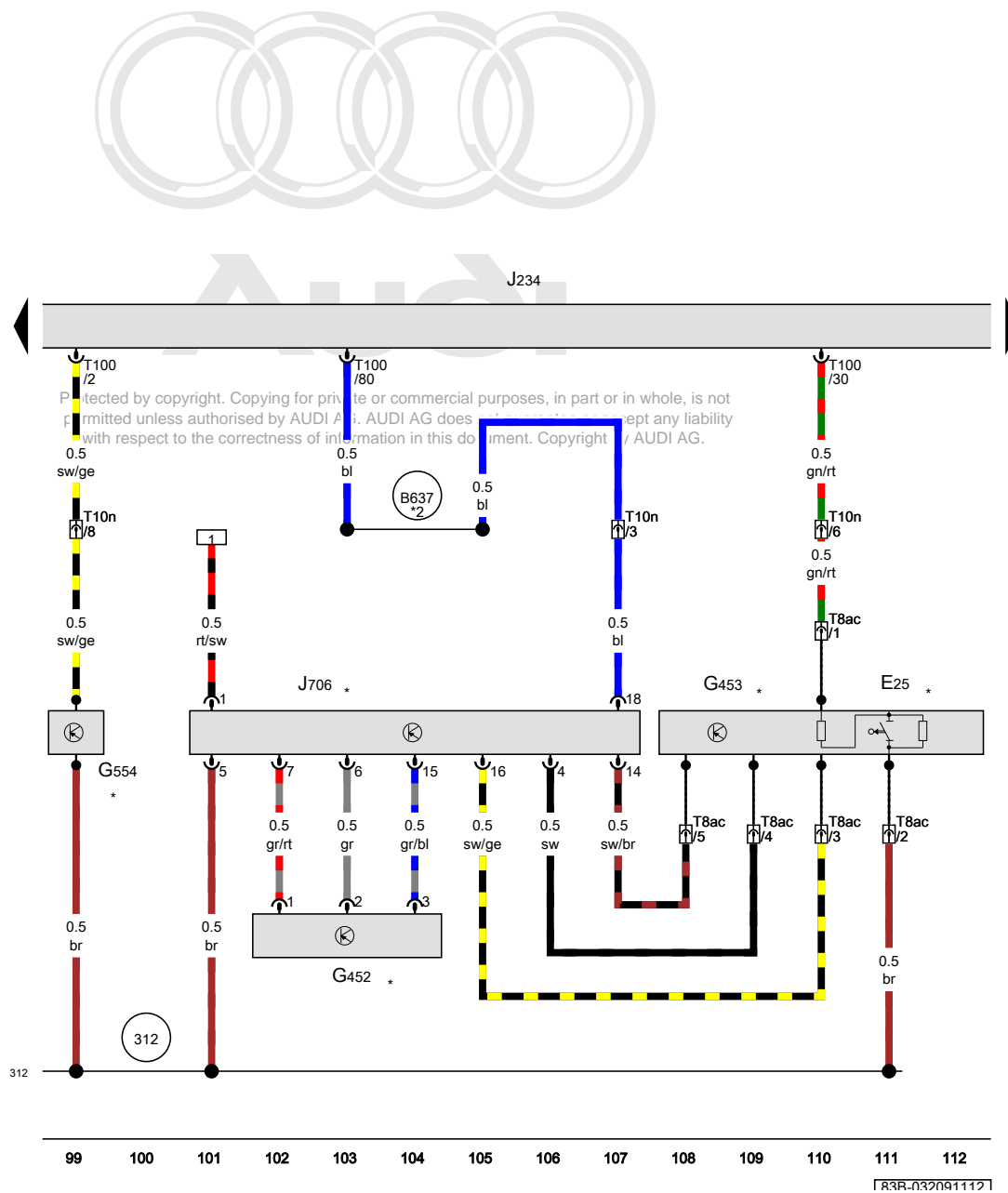
- 109 Ground connection (in airbag wiring harness)
- 312 Ground connection 2 (in airbag wiring harness)
- 475 Airbag ground connection (in main wiring harness)
- \* Only for vehicles without US equipment
- \*2 Special equipment
- \*3 Diameter depends on equipment



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





Front passenger seat belt switch, Passenger occupant detection system pressure sensor, Passenger occupant detection system seat belt force sensor, Front passenger seat position 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
- G554 Front passenger seat position sensor
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- T8ac 8-pin connector
- T10n 10-pin connector, black
- T100 100-pin connector

312 Ground connection 2 (in airbag wiring harness)

B637 Airbag connection 1 (in main wiring harness)

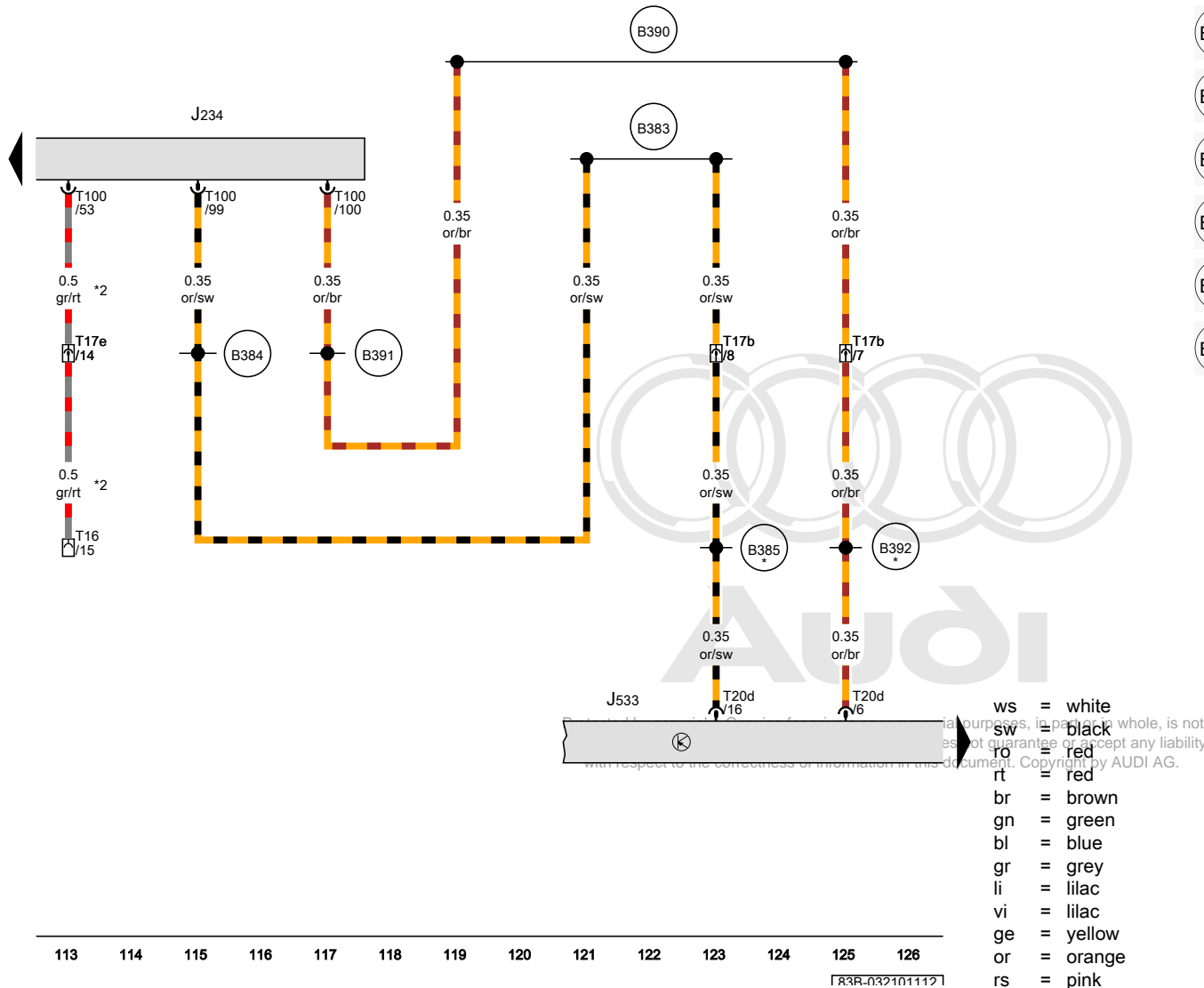
- \* Special equipment
- \*2 If available

# Airbag control module, Data bus on board diagnostic interface

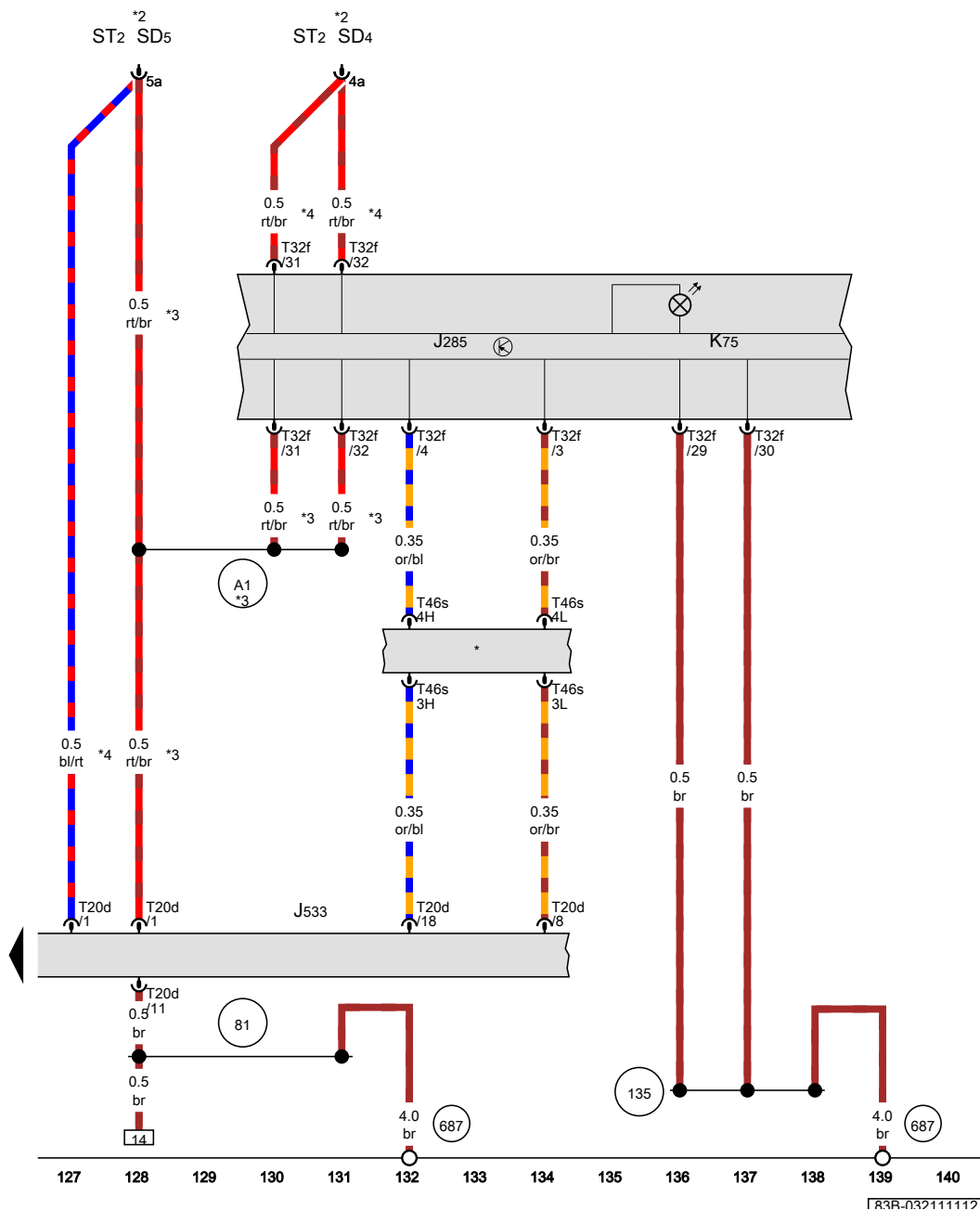
- J234 Airbag control module
- J533 Data bus on board diagnostic interface
- T16 16-pin connector, on the diagnostic connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T20d 20-pin connector
- T100 100-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B384 Powertrain CAN bus high connection 2 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (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)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)

- \* If available
- \*2 Running change



Instrument cluster control module, Data bus on board diagnostic interface, Airbag indicator lamp



- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K75 Airbag indicator lamp
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A1 Positive connection (30a) (in instrument panel wiring harness)

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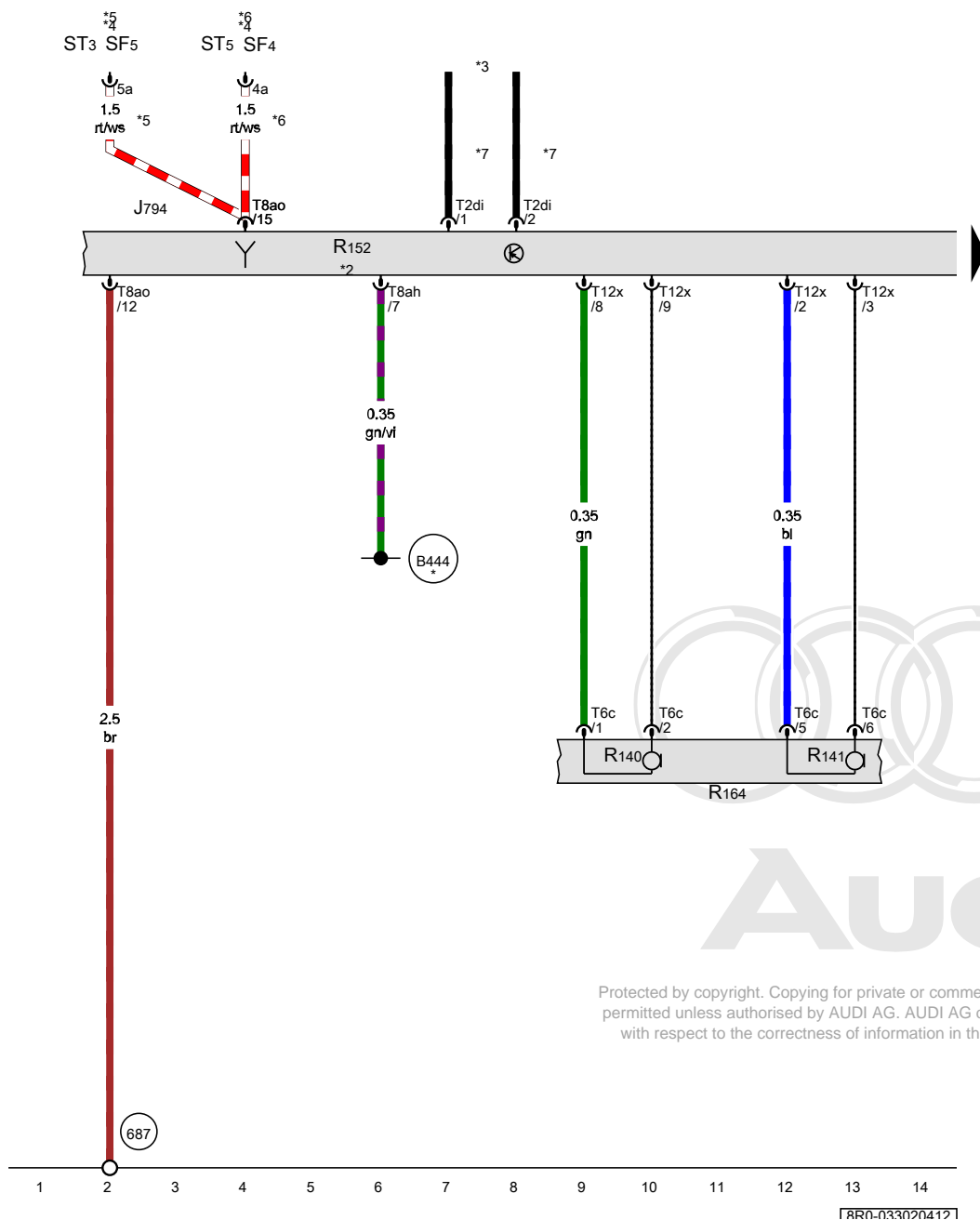
**Cell phone preparation (MOST bus) - USA**

from September 2008

**Audi**

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Information electronics control module 1, Microphone unit in front roof module



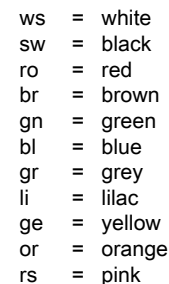
- J794 Information electronics control module 1
- R140 Left front microphone
- R141 Right front microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T2di Double connector
- T6c 6-pin connector
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12x 12-pin connector

- 687 Ground connection 1 on center tunnel
- B444 OBD connection 1 (in main wiring harness)

- \* Refer to applicable wiring diagram for ring break diagnosis
- \*2 Only for vehicles with Bluetooth
- \*3 Refer to applicable wiring diagram
- \*4 Refer to applicable wiring diagram for fuse positions through April 2009
- \*6 from May 2009
- \*7 Fiber optic cable

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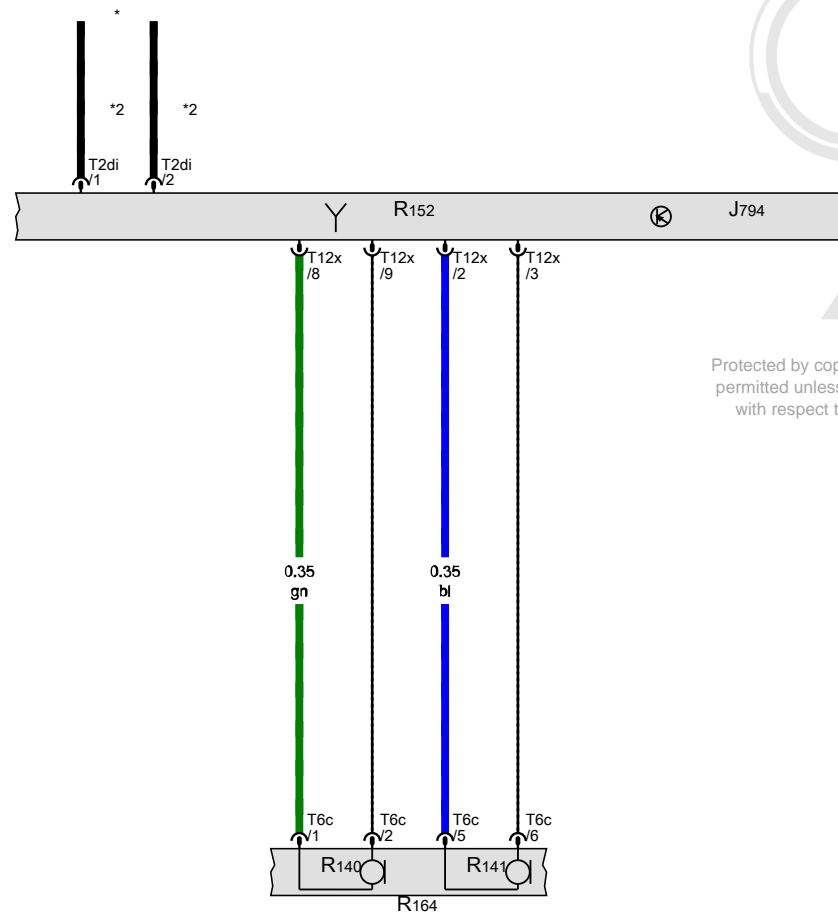
- \* Only for vehicles with a radio
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 through April 2009
- \*4 from May 2009
- \*5 Diameter depends on equipment

## Cell phone - Bluetooth (MOST bus)

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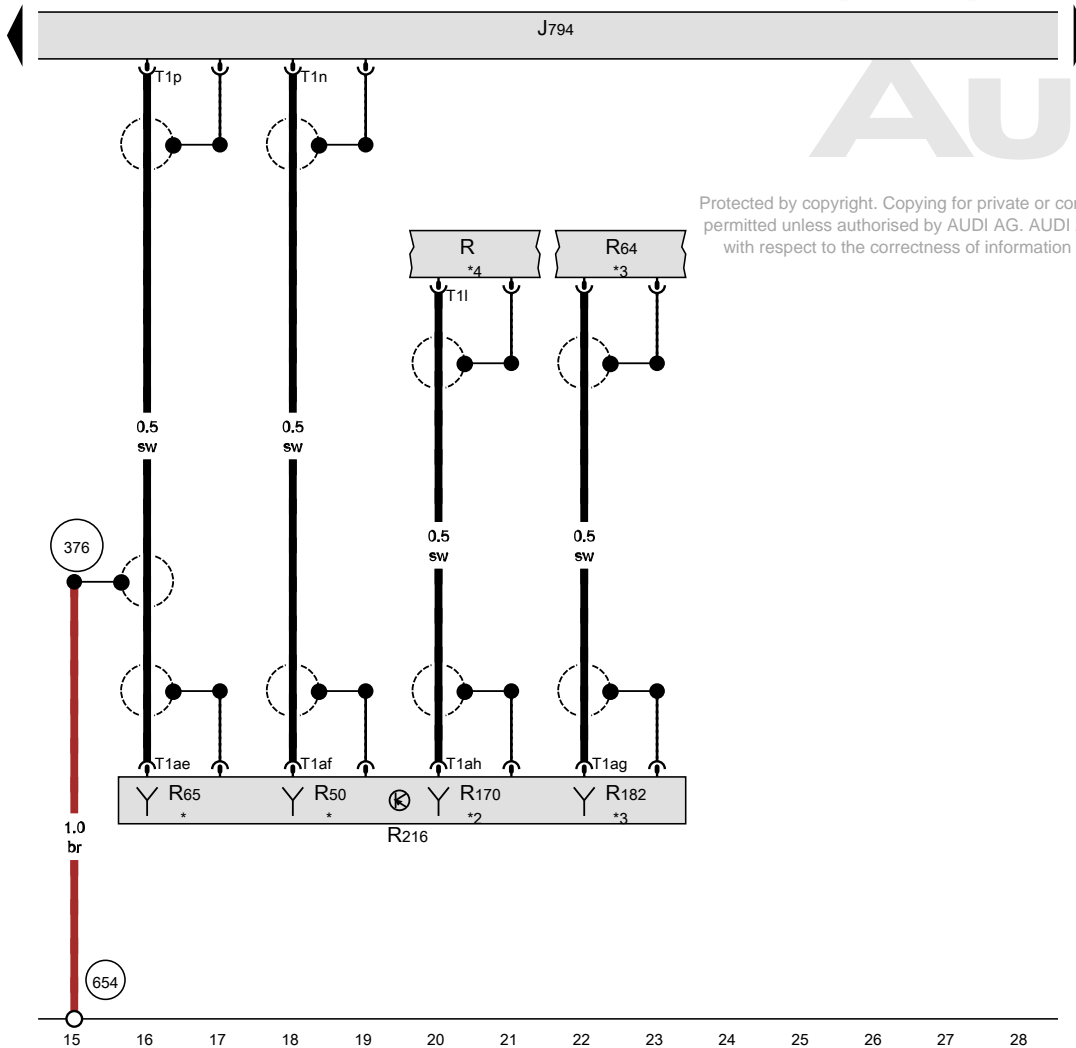
Information electronics control module 1, Left front microphone, Right front microphone, Bluetooth antenna, Microphone unit in front roof module

- J794 Information electronics control module 1
- R140 Left front microphone
- R141 Right front microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- T2di Double connector
- T6c 6-pin connector
- T12x 12-pin connector
- \* Refer to applicable wiring diagram
- \*2 Fiber optic cable

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Information electronics control module 1, Radio, Auxiliary heater radio receiver, Telephone antenna, Satellite antenna, Auxiliary heater antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R216 Roof antenna
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1l Single connector
- T1n Single connector
- T1p Single connector

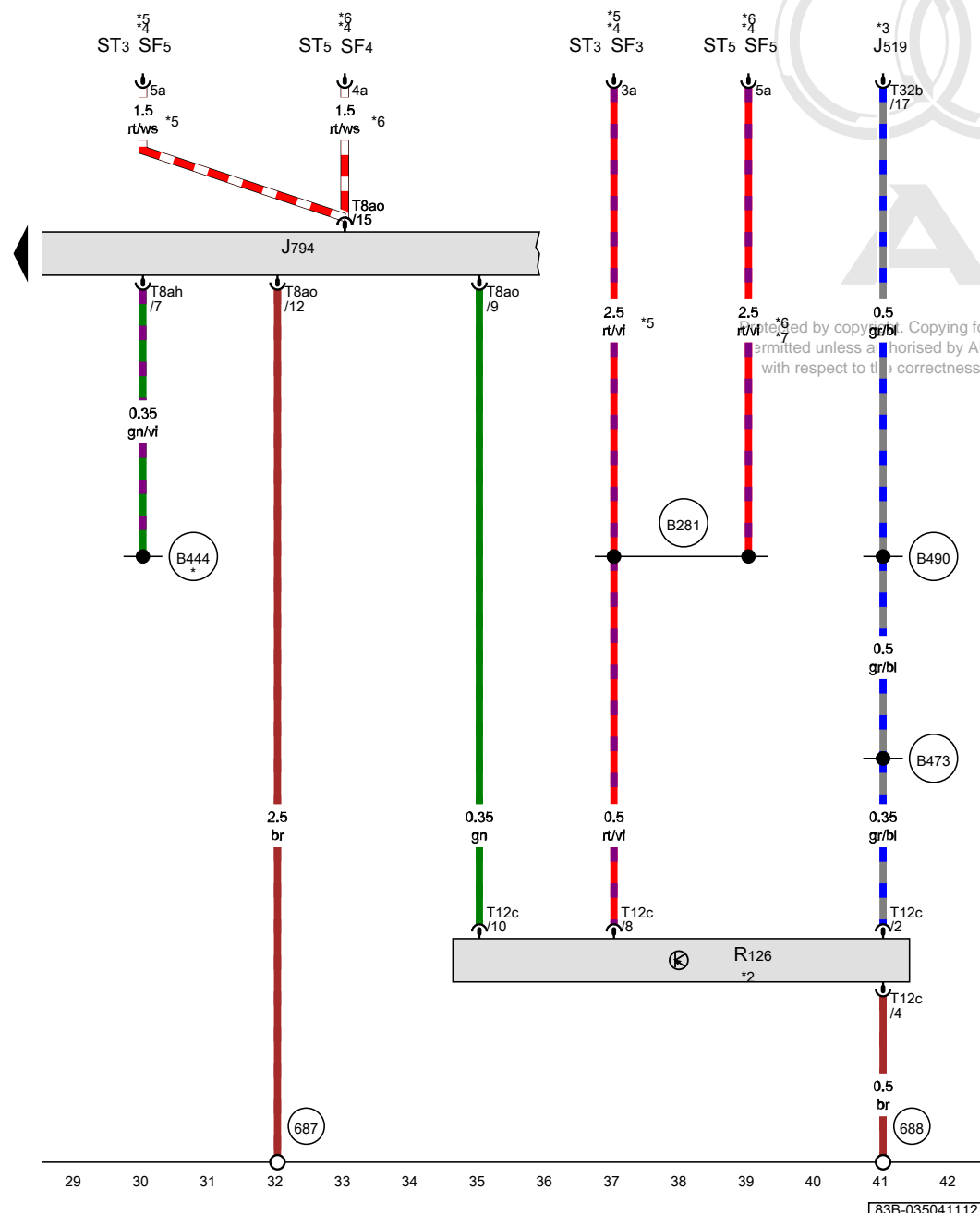
376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Optional equipment
- \*2 Only for vehicles with satellite radio
- \*3 Only for vehicles with an auxiliary heater
- \*4 Only for vehicles with a radio

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183R-0350311171



# Vehicle electrical system control module, Information electronics control module 1, Telephone baseplate

- J519 Vehicle electrical system control module
- J794 Information electronics control module 1
- R126 Telephone baseplate
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- ST5 Fuse panel 5
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12c 12-pin connector
- T32b 32-pin connector

687 Ground connection 1 on center tunnel

688 Ground connection 2 on center tunnel

B281 Positive connection 5 (15a) (in main wiring harness)

B444 OBD connection 1 (in main wiring harness)

B473 Connection 9 (in main wiring harness)

B490 Connection 26 (in main wiring harness)

- \* Refer to applicable wiring diagram for ring break diagnosis
- \*2 Only for vehicles with center armrest
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 Refer to applicable wiring diagram for fuse positions
- \*5 through April 2009
- \*6 from May 2009
- \*7 Diameter depends on equipment

**Data bus network diagnosis**

from September 2008

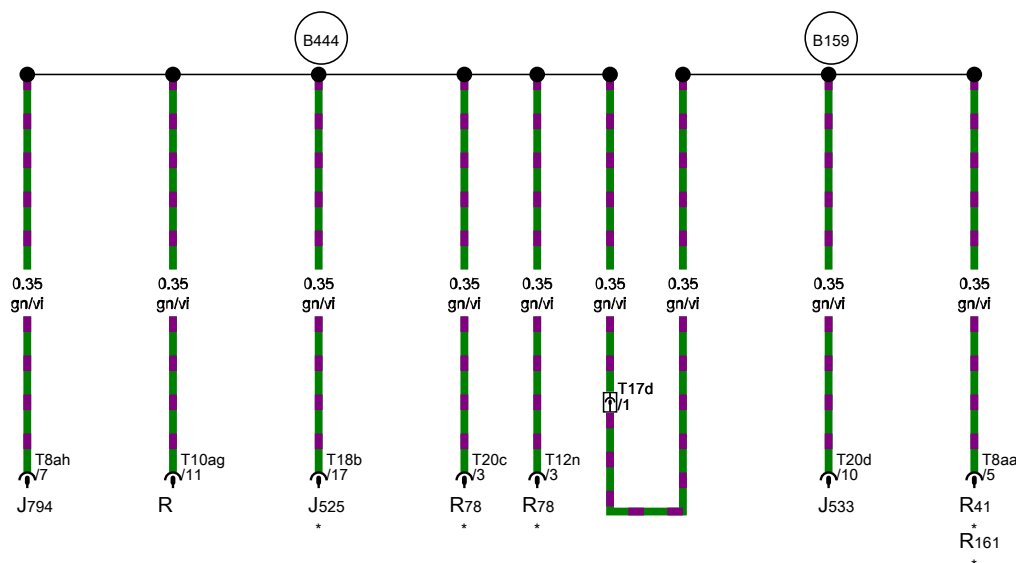


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Digital sound system control module, Data bus on board diagnostic interface, Information electronics control module 1, Radio, CD changer, TV tuner, DVD changer

- J525 Digital sound system control module
- J533 Data bus on board diagnostic interface
- J794 Information electronics control module 1
- R Radio
- R41 CD changer
- R78 TV tuner
- R161 DVD changer
- T8aa 8-pin connector
- T8ah 8-pin connector
- T10ag 10-pin connector
- T12n 12-pin connector
- T17d 17-pin connector, brown
- T18b 18-pin connector
- T20c 20-pin connector
- T20d 20-pin connector

- B159 Diagnostic connection (in interior wiring harness)
- B444 OBD connection 1 (in main wiring harness)
- \* Depending on equipment



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

183R-0380211121

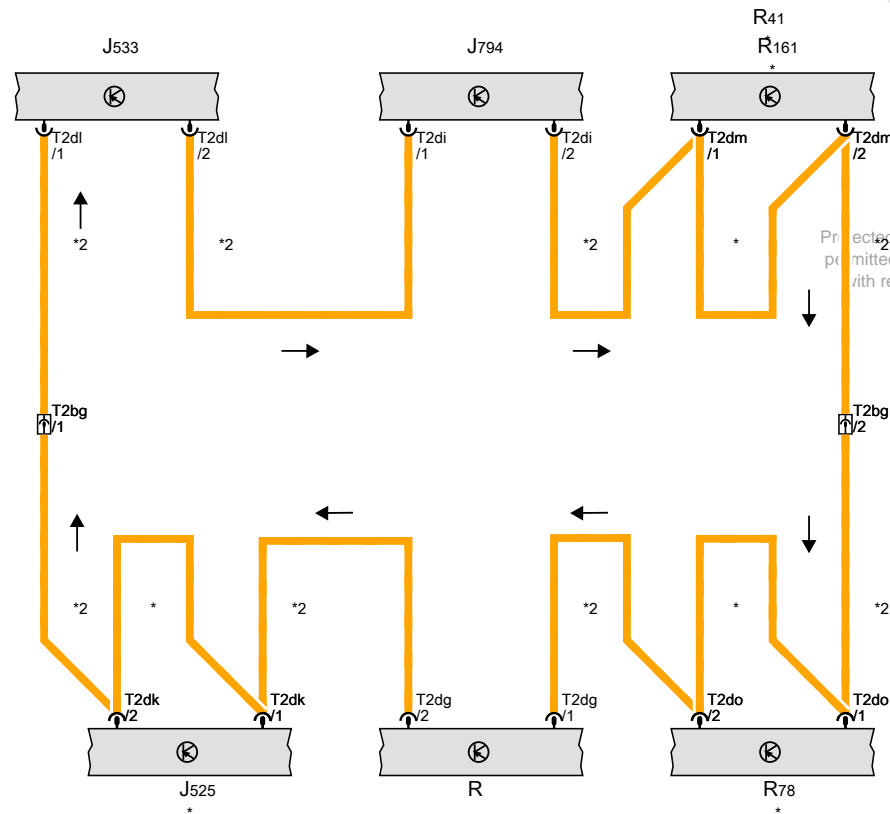
**Infotainment MOST bus**  
from September 2008



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Digital sound system control module, Data bus on board diagnostic interface, Information electronics control module 1, Radio, CD changer, TV tuner, DVD changer

- J525 Digital sound system control module
- J533 Data bus on board diagnostic interface
- J794 Information electronics control module 1
- R Radio
- R41 CD changer
- R78 TV tuner
- R161 DVD changer
- T2bg Double connector, near the glove compartment
- T2dg Double connector
- T2di Double connector
- T2dk Double connector
- T2dl Double connector
- T2dm Double connector
- T2do Double connector
- \* Depending on equipment
- \*2 Fiber optic cable

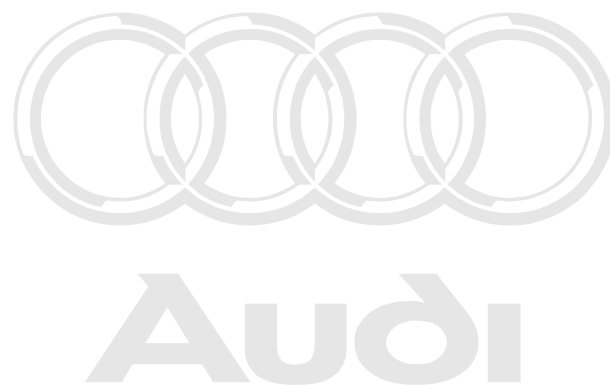


- ws = white
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- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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**CD/DVD changer (MOST bus)**

from September 2008



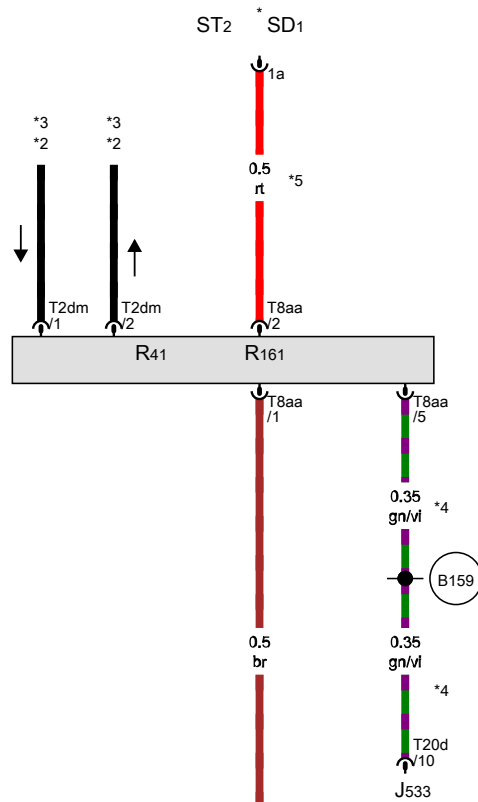
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CD changer, DVD changer

- J533 Data bus on board diagnostic interface
- R41 CD changer
- R161 DVD changer
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T2dm Double connector
- T8aa 8-pin connector
- T20d 20-pin connector

- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B159 Diagnostic connection (in interior wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Fiber optic cable
- \*3 Refer to applicable wiring diagram for Infotainment MOST bus
- \*4 Refer to applicable wiring diagram for ring break diagnosis
- \*5 The color of the wires depends on vehicle equipment



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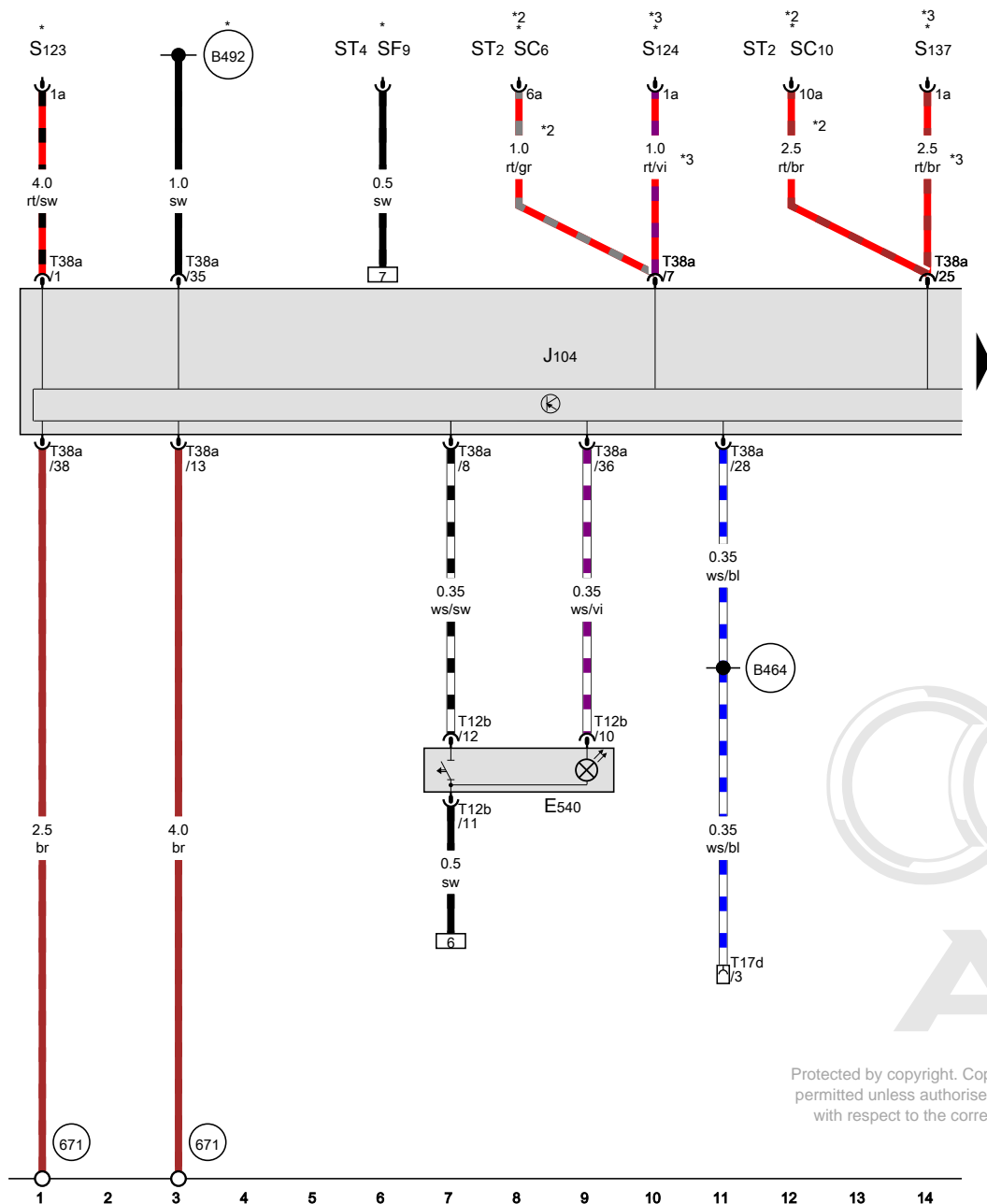


**Anti-Lock Brake System (ABS) with ESP**

from September 2008



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# -AUTO HOLD- button, ABS control module, ABS control module fuse 1

- E540 -AUTO HOLD- button
- J104 ABS control module
- ST2 Fuse panel 2
- ST4 Fuse panel 4
- SC6 Fuse 6 (on fuse panel C)
- SF9 Fuse 9 (on fuse panel F)
- SC10 Fuse 10 (on fuse panel C)
- S123 ABS control module fuse 1
- S124 ABS control module fuse 2
- S137 ABS control module fuse 3
- T12b 12-pin connector
- T17d 17-pin connector, brown
- T38a 38-pin connector

- 671 Ground connection 1 on left front longitudinal member
- B464 Vehicle speed signal connection (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for left-hand drive vehicles
- \*3 Only for right-hand drive vehicles

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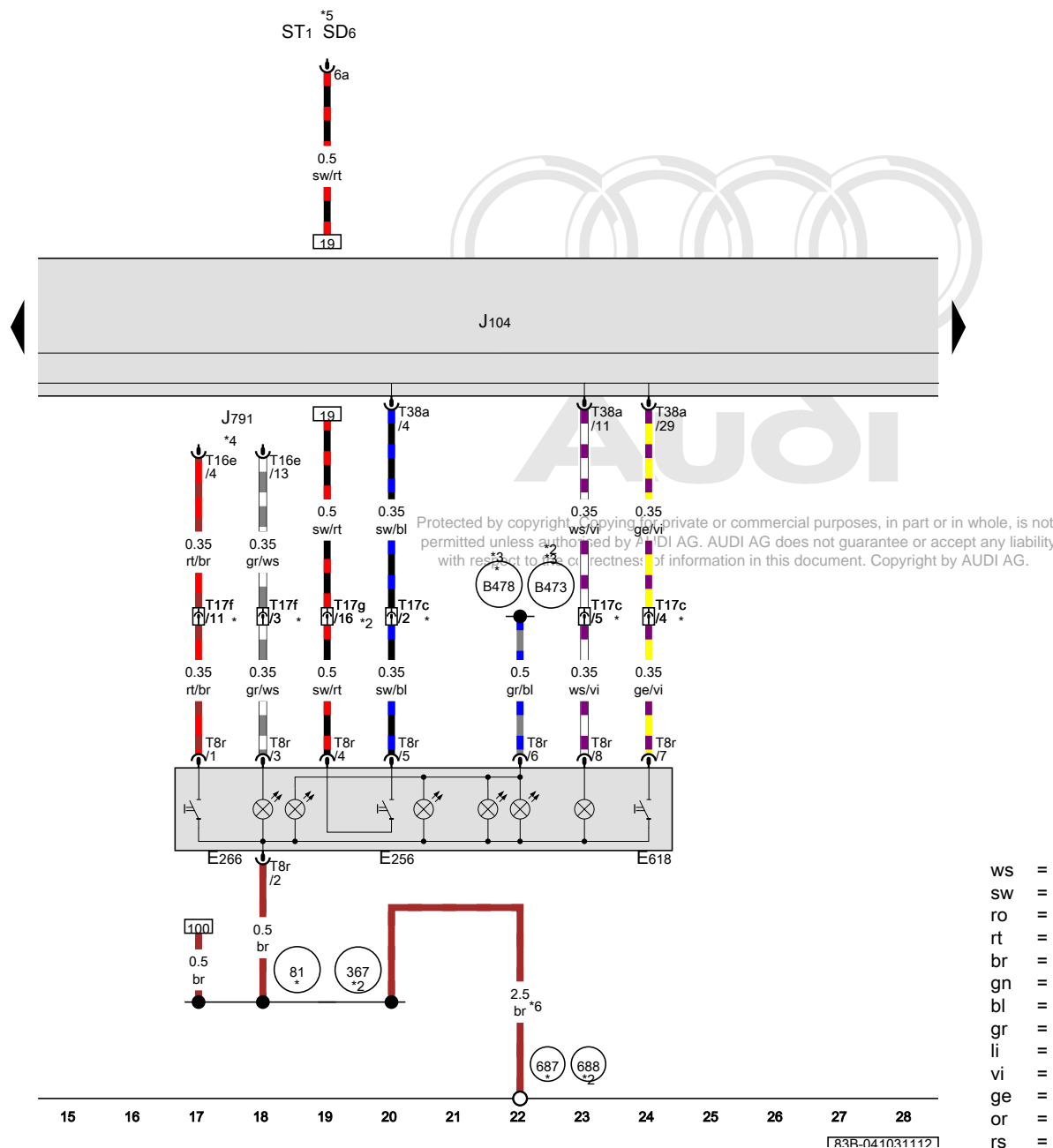
ASR/ESP button, Parking aid button, Hill descent control button, ABS control module

- E256 ASR/ESP button
- E266 Parking aid button
- E618 Hill descent control button
- J104 ABS control module
- J791 Parallel parking assistance control module
- ST1 Fuse panel 1
- SD6 Fuse 6 (on fuse panel D)
- T8r 8-pin connector
- T16e 16-pin connector
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T17g 17-pin connector, black
- T38a 38-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B478 Connection 14 (in main wiring harness)

- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 Refer to applicable wiring diagram
- \*5 Refer to applicable wiring diagram for fuse positions
- \*6 4.0 diameter possible

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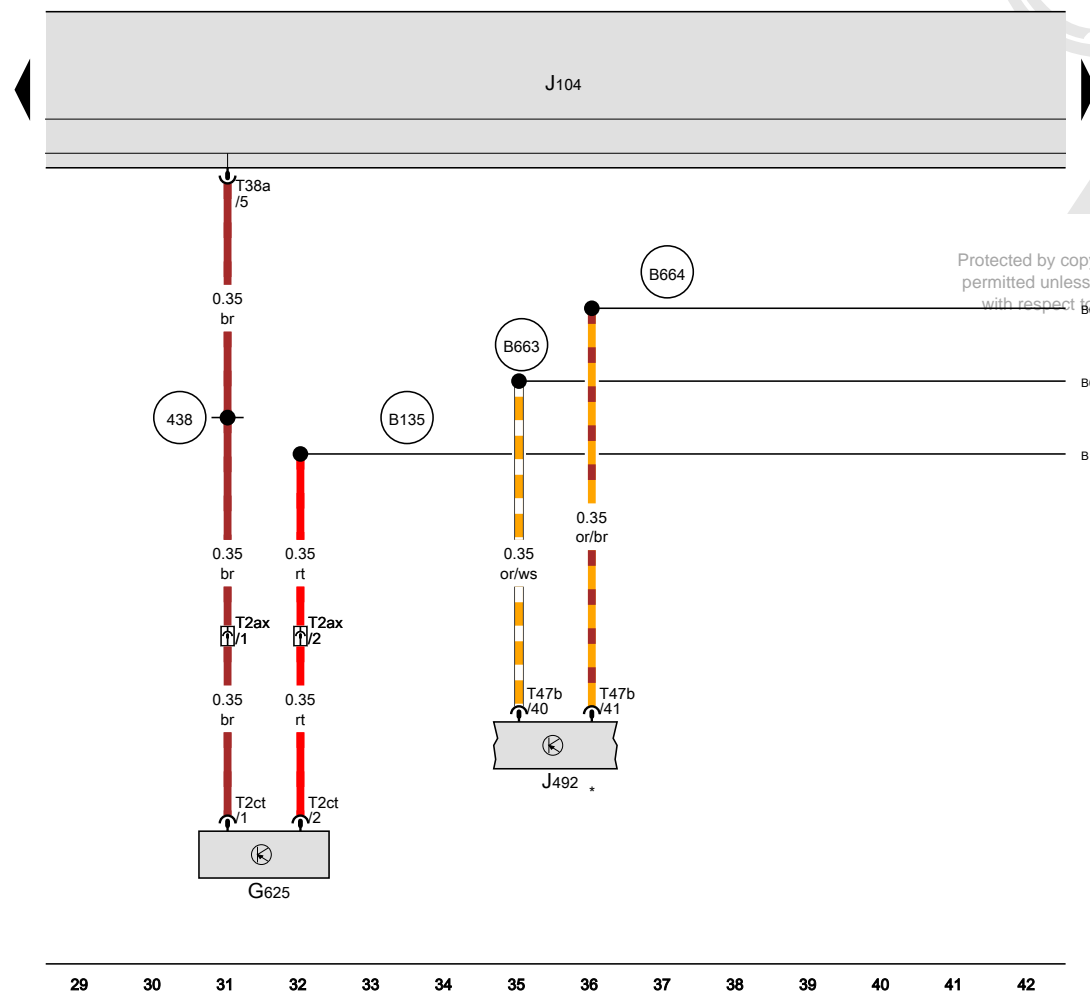


ABS control module, All wheel drive control module

- G625 Roof rack recognition sensor
- J104 ABS control module
- J492 All wheel drive control module
- T2ax Double connector, near the left roof pillar
- T2ct Double connector
- T38a 38-pin connector
- T47b 47-pin connector

- 438 Ground connection 3 (in roof wiring harness)
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)
- \* Only for vehicles with all wheel drive

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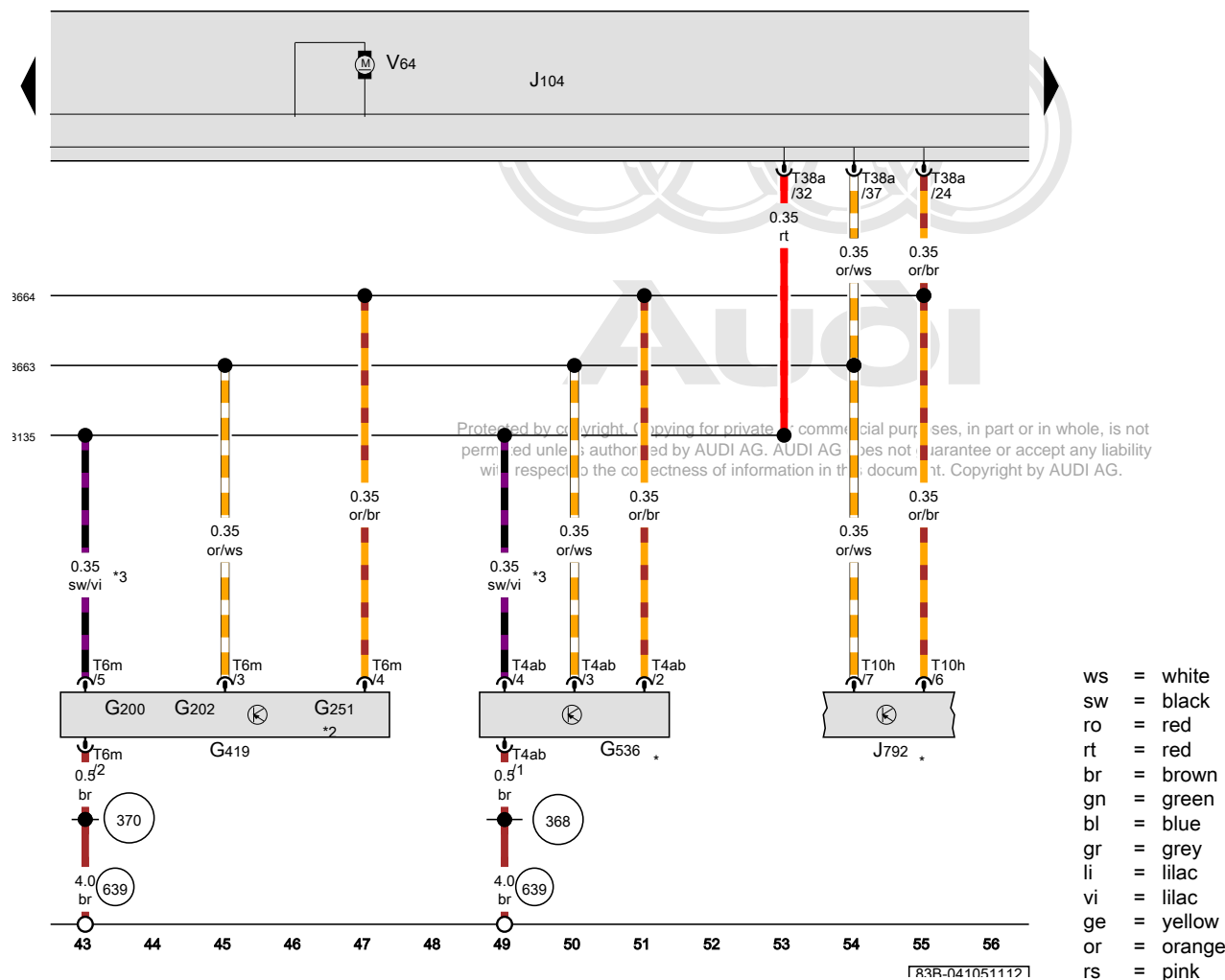
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[83B-041041112]

ESP sensor unit, ESP sensor unit 2, ABS control module, Active steering control module, ABS hydraulic pump

- G200 Transverse acceleration sensor
- G202 Rotation rate sensor
- G251 Longitudinal acceleration sensor
- G419 ESP sensor unit
- G536 ESP sensor unit 2
- J104 ABS control module
- J792 Active steering control module
- T4ab 4-pin connector
- T6m 6-pin connector
- T10h 10-pin connector
- T38a 38-pin connector
- V64 ABS hydraulic pump

- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)
- \* Special equipment
- \*2 Only for vehicles with all wheel drive
- \*3 The color of the wires depends on vehicle equipment



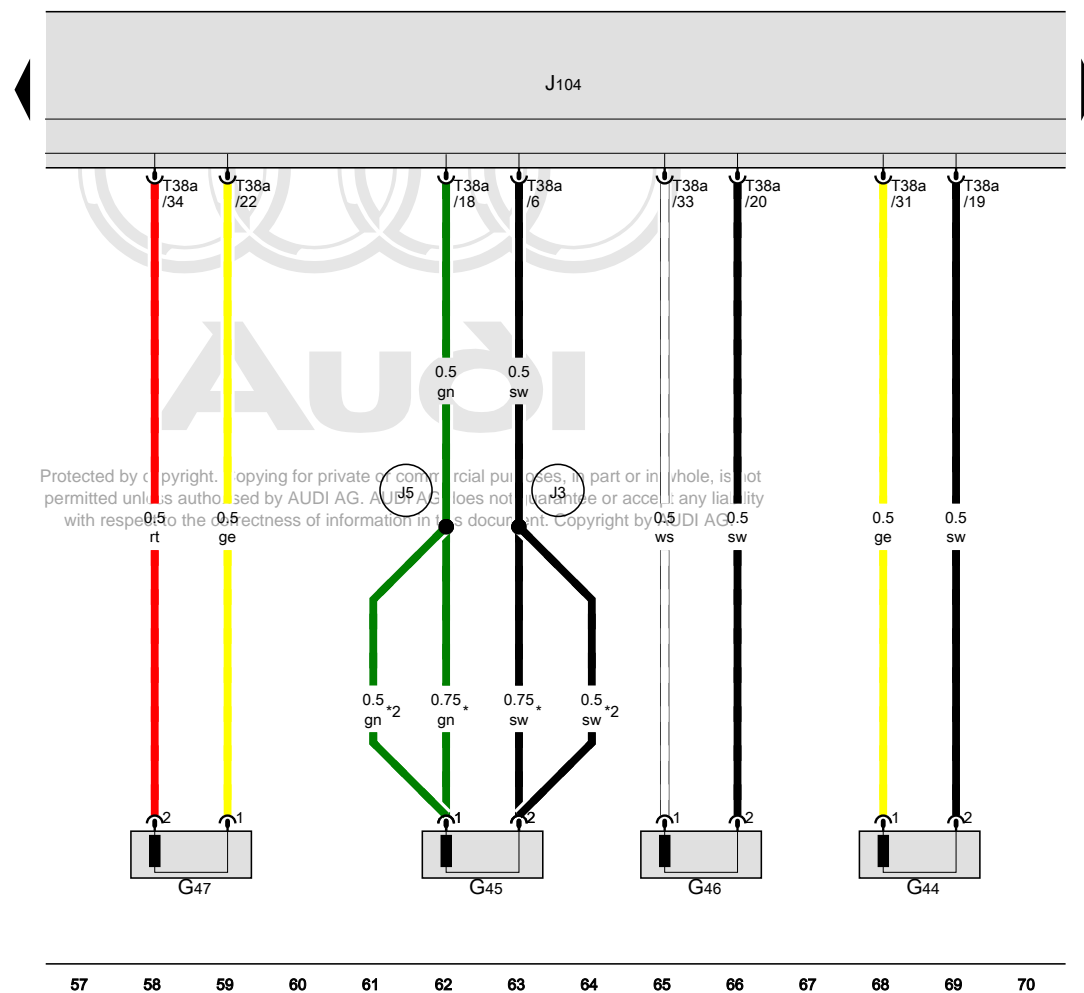
Right rear ABS wheel speed sensor, Right front ABS wheel speed sensor, Left rear ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

- 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
- T38a 38-pin connector

J3 Connection 1 (in ABS wiring harness)

J5 Connection 2 (in ABS wiring harness)

- \* Only for vehicles without electronic damping
- \*2 Only for vehicles with electronic damping



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- gr = grey
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- ge = yellow
- or = orange
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Brake lamp switch, ABS control module, Comfort system central control module, ABS hydraulic unit, Right front ABS inlet valve, Right front ABS outlet valve, Left front ABS inlet valve, Left front ABS outlet valve, Right rear ABS inlet valve, Left rear ABS inlet valve, Right rear ABS outlet valve, Left rear ABS outlet valve

- F Brake lamp switch
- J104 ABS control module
- J393 Comfort system central 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
- T4k 4-pin connector
- T17e 17-pin connector, red
- T32c 32-pin connector
- T32d 32-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

B146 Positive connection 1 (87) (in interior wiring harness)

B335 Connection 54 (in main wiring harness) 1

B398 Comfort system CAN bus high connection 2 (in main wiring harness)

B401 Comfort system CAN bus high connection 5 (in main wiring harness)

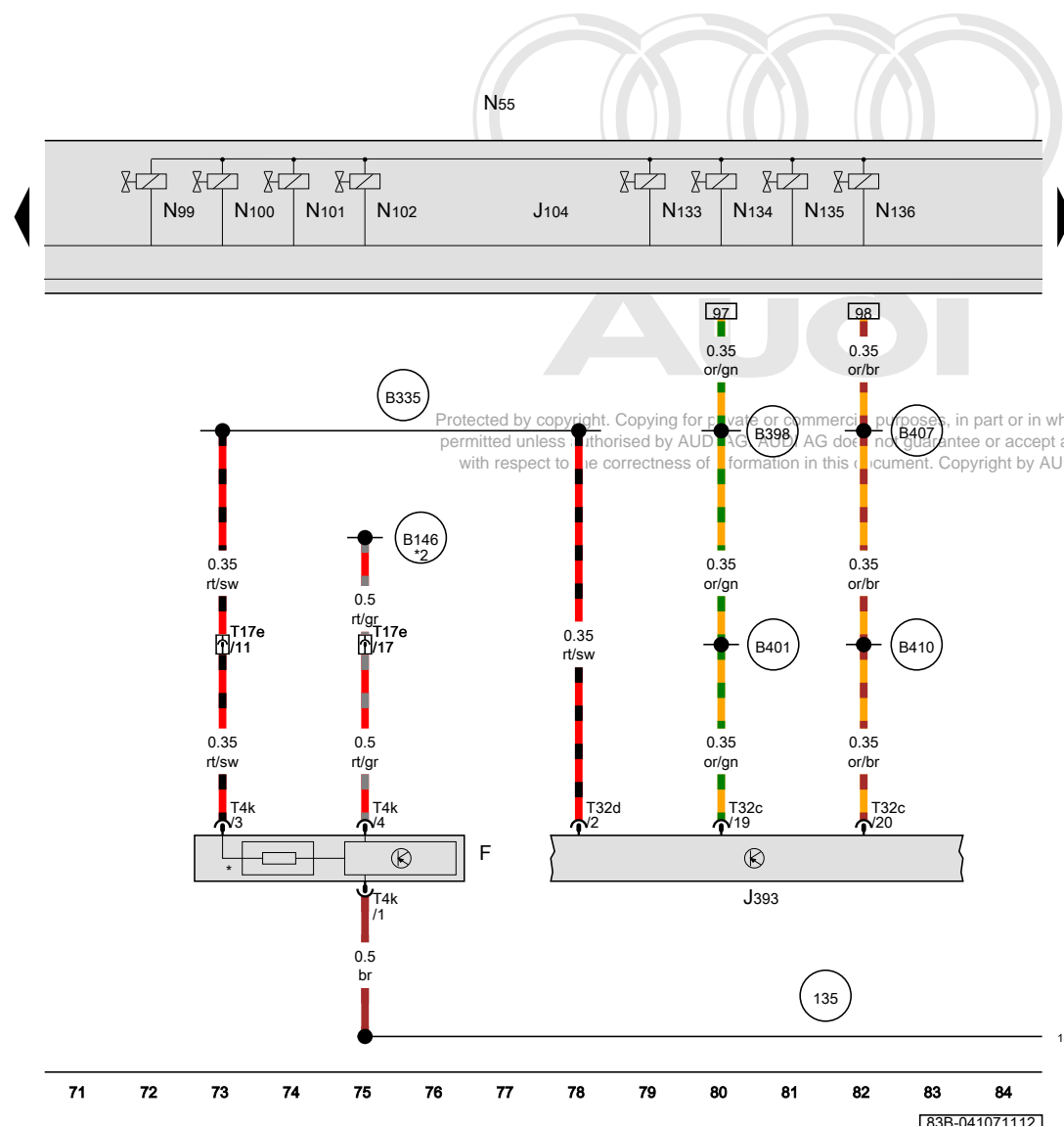
B407 Comfort system CAN bus low connection 2 (in main wiring harness)

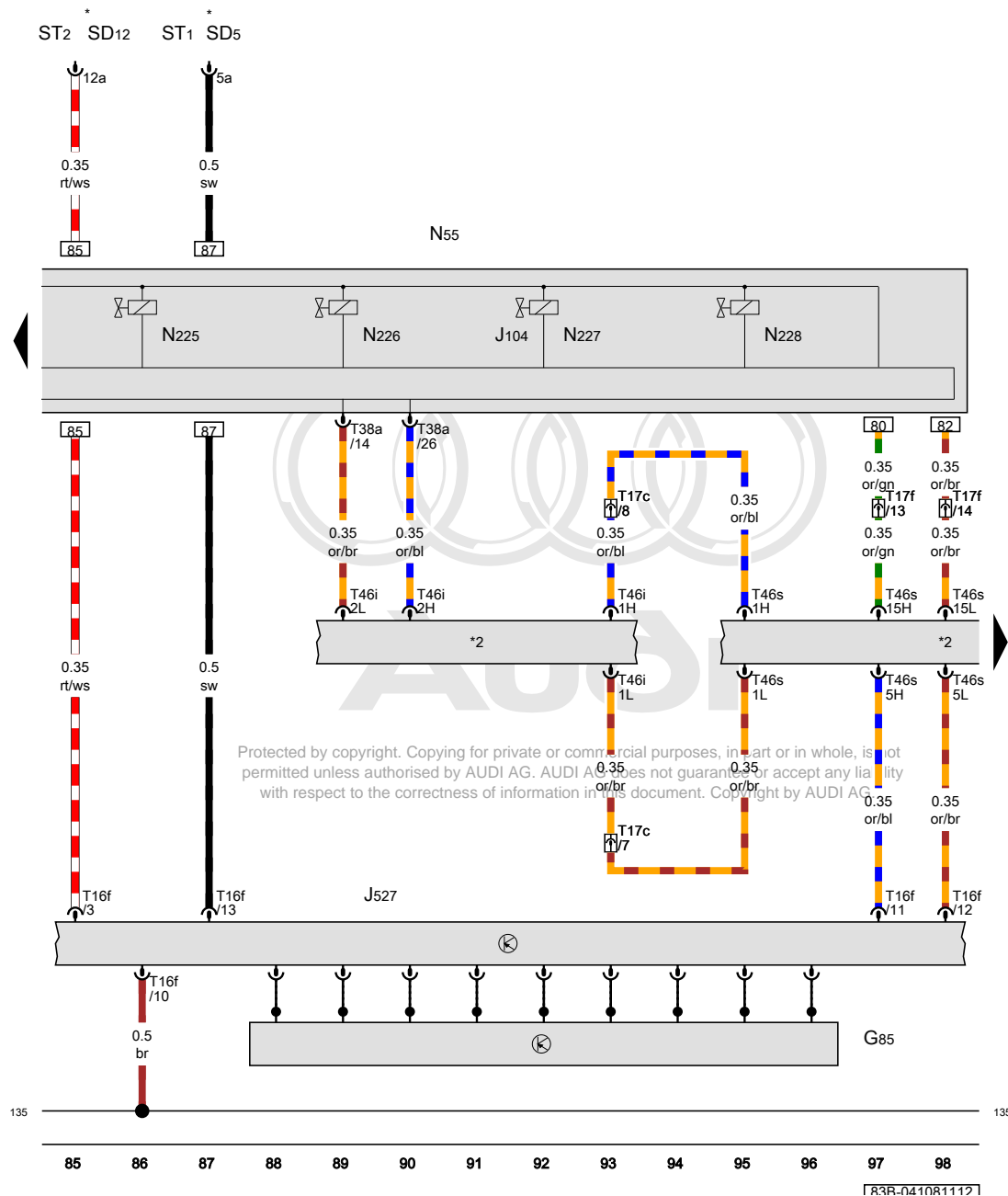
B410 Comfort system CAN bus low connection 5 (in main wiring harness)

\* Brake lamp sensor system coil

\*2 Refer to applicable engine wiring diagram

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





Steering angle sensor, ABS control module, Steering column electronics control module, ABS hydraulic unit, Driving dynamics regulation switch valve 1, Driving dynamics regulation switch valve 2, Driving dynamics regulation high pressure switch valve 1, Driving dynamics regulation high pressure switch valve 2

- G85 Steering angle sensor
- J104 ABS control module
- J527 Steering column electronics control module
- N55 ABS hydraulic unit
- 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
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD5 Fuse 5 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T16f 16-pin connector
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T38a 38-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable wiring diagram

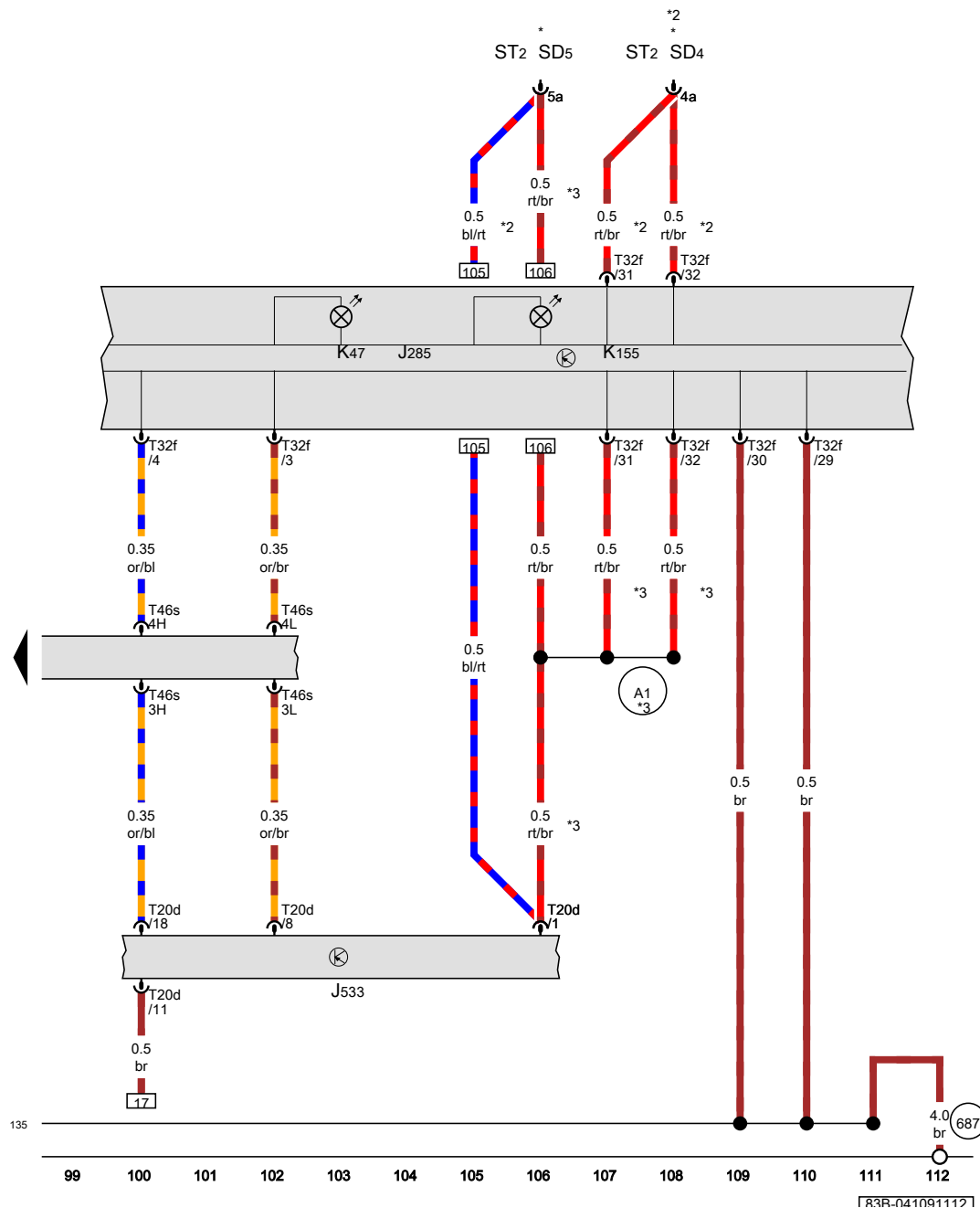


Instrument cluster control module, Data bus on board diagnostic interface, ABS indicator lamp, ASR/ESP indicator lamp

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K47 ABS indicator lamp
- K155 ASR/ESP indicator lamp
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A1 Positive connection (30a) (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions from May 2009 through April 2009
- \*2
- \*3

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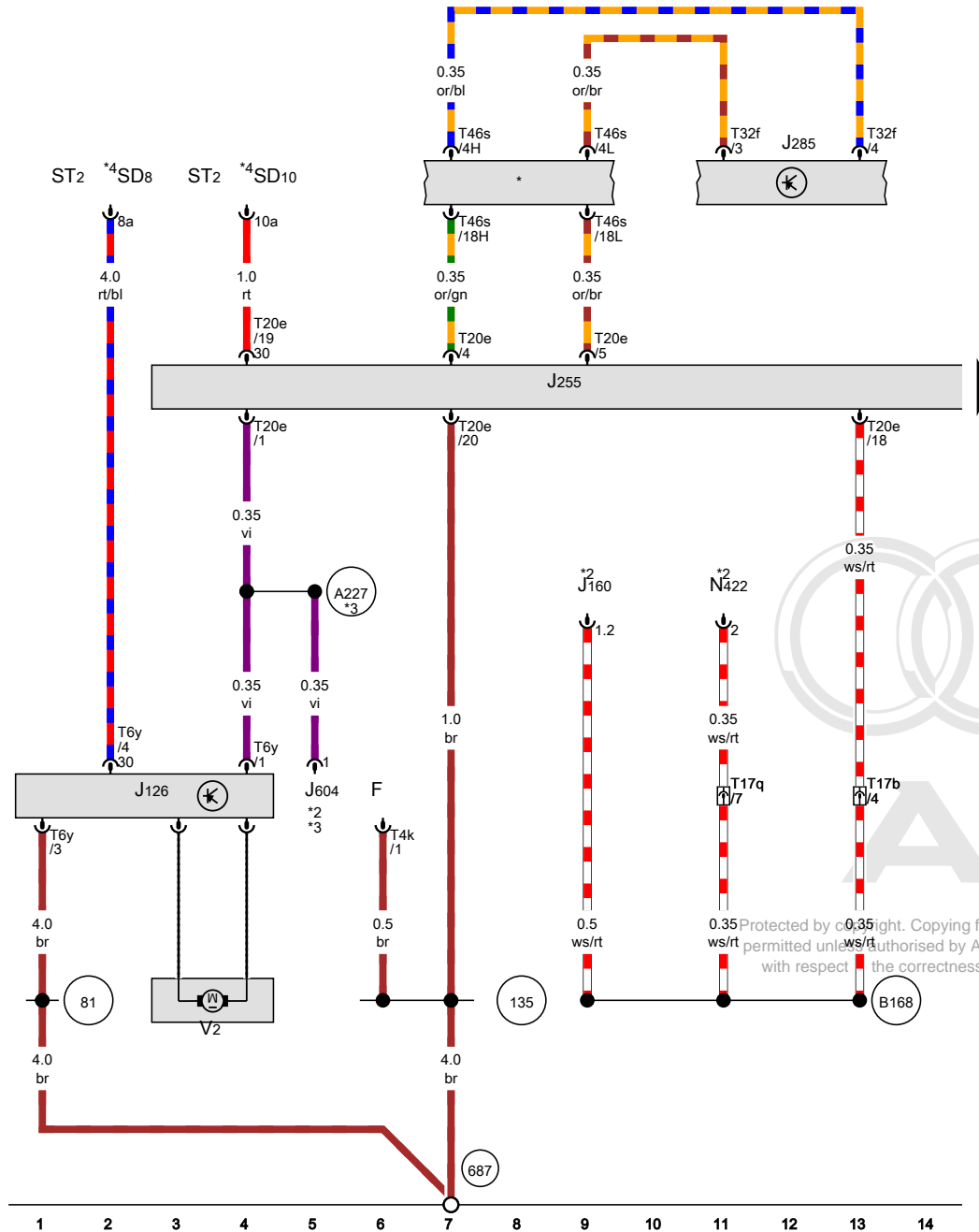


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- bl = blue
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**Automatic climate control, Comfort Climatronic**  
from September 2008

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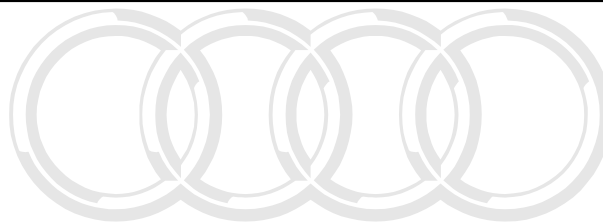
Fresh air blower control module, Fresh air blower



- F Brake lamp switch
- J126 Fresh air blower control module
- J160 Recirculation pump relay
- J255 Climatronic control module
- J285 Instrument cluster control module
- J604 Auxiliary air heater control module
- N422 Climatronic refrigerant shut-off valve
- ST2 Fuse panel 2
- SD8 Fuse 8 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- T4k 4-pin connector
- T6y 6-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector
- V2 Fresh air blower
- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- B168 Connection 86 (in interior wiring harness)
- \* Refer to applicable wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 only for vehicles with hybrid drive
- \*4 Refer to applicable wiring diagram for fuse positions

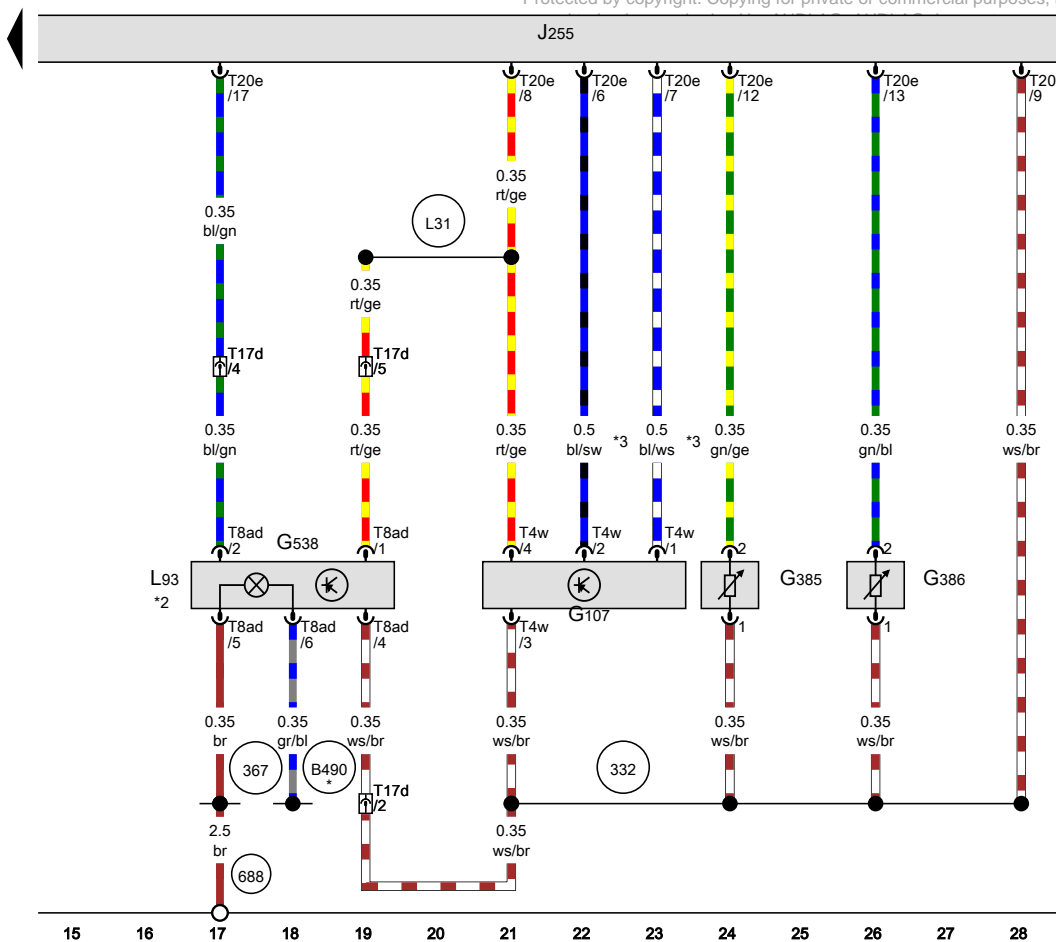
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133R-0430211121



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183R-0430311121

## Sunlight photo sensor, Rear temperature selection potentiometer

- G107 Sunlight photo sensor
- G385 Left front upper body vent temperature sensor
- G386 Right front upper body vent temperature sensor
- G538 Rear temperature selection potentiometer
- J255 Climatronic control module
- L93 Temperature control switch illumination bulb
- T4w 4-pin connector
- T8ad 8-pin connector
- T17d 17-pin connector, brown
- T20e 20-pin connector

332 Ground connection 4 (in instrument panel wiring harness)

367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

B490 Connection 26 (in main wiring harness)

L31 Connection (5 Volt) (in A/C system wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Optional equipment
- \*3 Diameter depends on equipment

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

# Defroster door motor, Right center vent motor

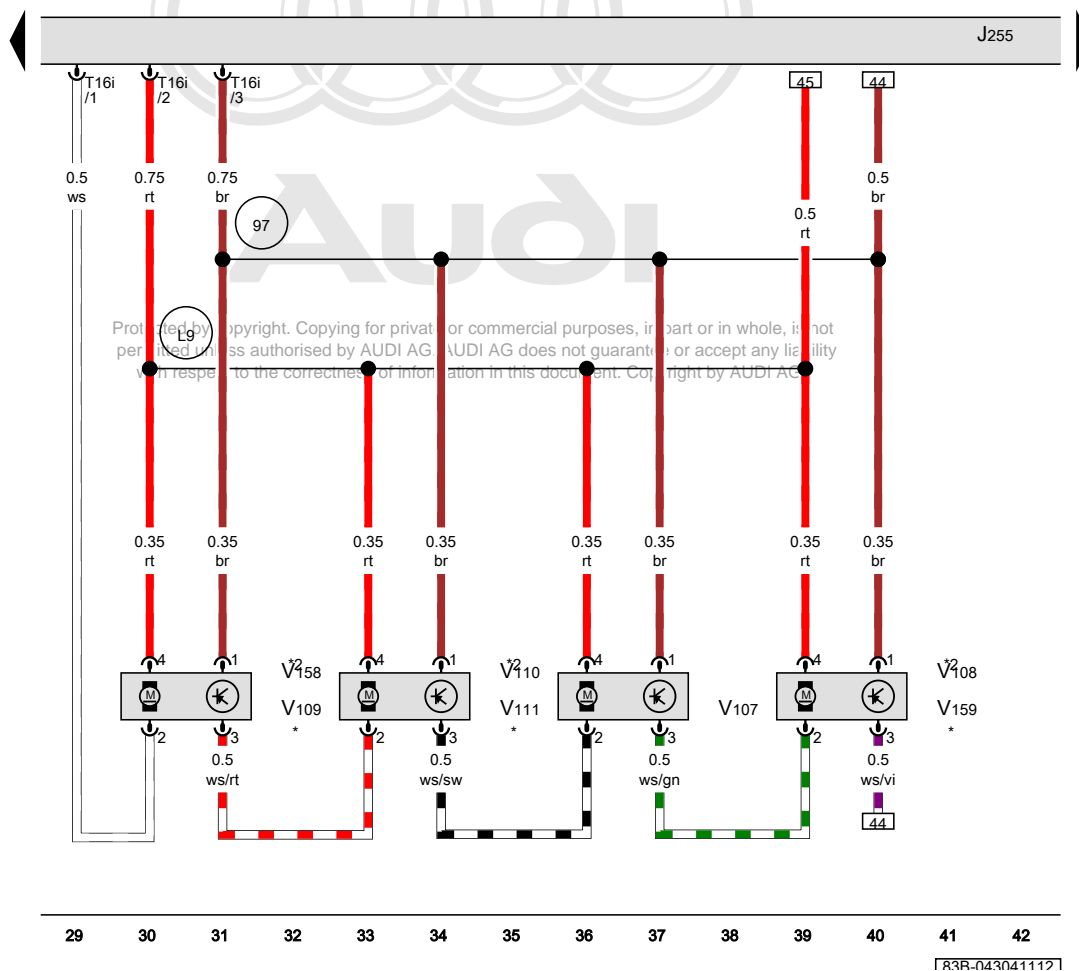
- J255 Climatronic control module
- T16i 16-pin connector
- V107 Defroster door motor
- V108 Left footwell door motor
- V109 Right footwell door motor
- V110 Left center vent motor
- V111 Right center vent motor
- V158 Left temperature door motor
- V159 Right temperature door motor

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

L9 Connection 1 (in A/C system wiring harness)

\* Only for right-hand drive vehicles

\*2 Only for left-hand drive vehicles



Left footwell door motor, Left temperature door motor

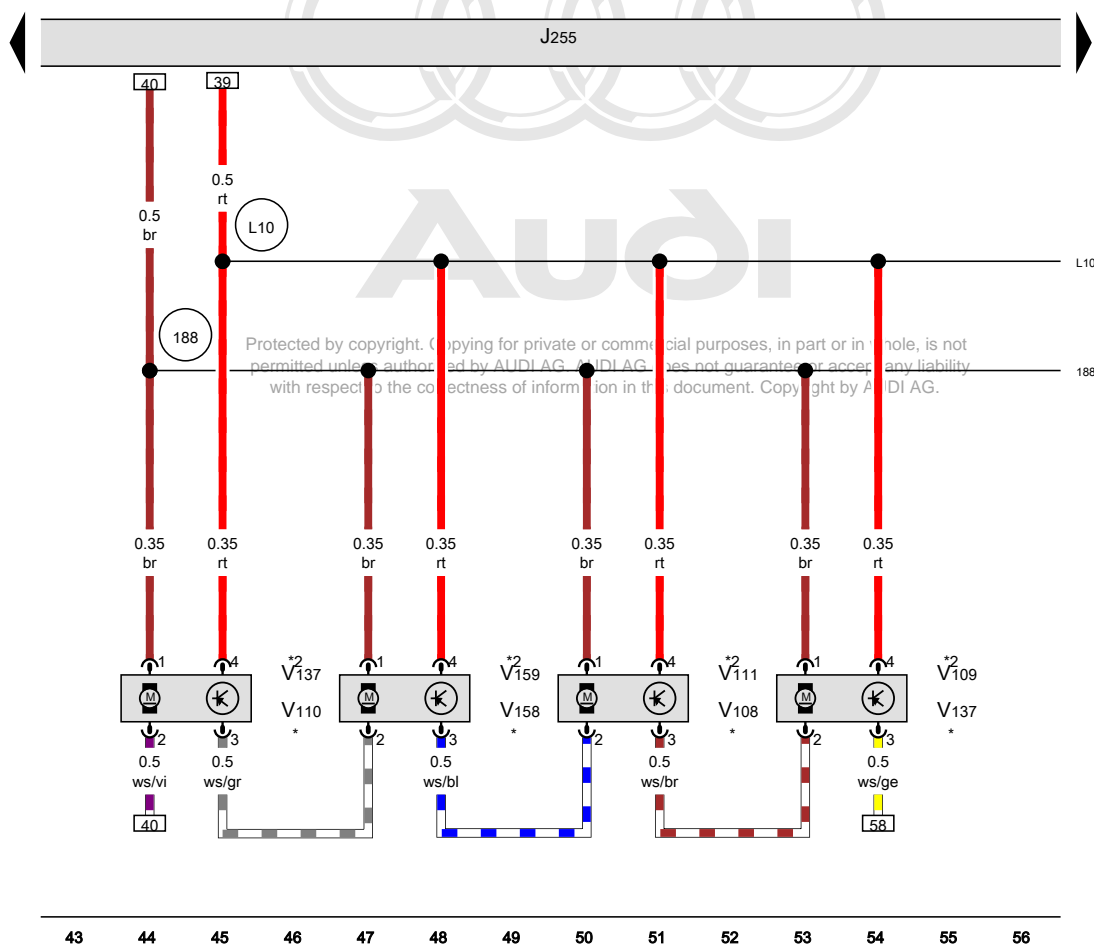
- J255 Climatronic control module
- V108 Left footwell door motor
- V109 Right footwell door motor
- V110 Left center vent motor
- V111 Right center vent motor
- V137 Rear temperature door motor
- V158 Left temperature door motor
- V159 Right temperature door motor

188 Ground connection 3 (in A/C wiring harness)

L10 Connection 2 (in A/C system wiring harness)

\* Only for right-hand drive vehicles

\*2 Only for left-hand drive vehicles

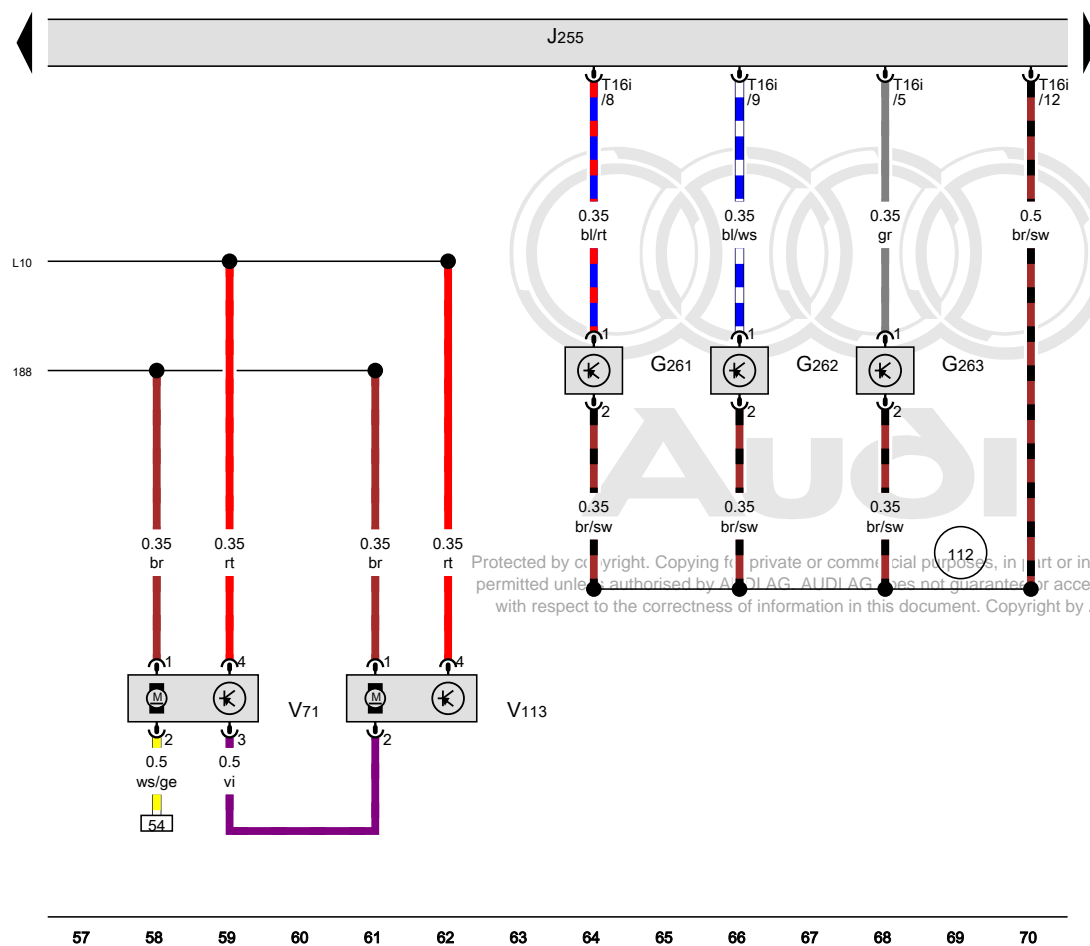


[83B-043051112]

Left footwell vent temperature sensor, Right footwell vent temperature sensor, Evaporator vent temperature sensor, Airflow door motor, Recirculation door motor

- G261 Left footwell vent temperature sensor
- G262 Right footwell vent temperature sensor
- G263 Evaporator vent temperature sensor
- J255 Climatronic control module
- T16i 16-pin connector
- V71 Airflow door motor
- V113 Recirculation door motor

- 112 Ground connection 2 (in A/C wiring harness)
- 188 Ground connection 3 (in A/C wiring harness)
- L10 Connection 2 (in A/C system wiring harness)



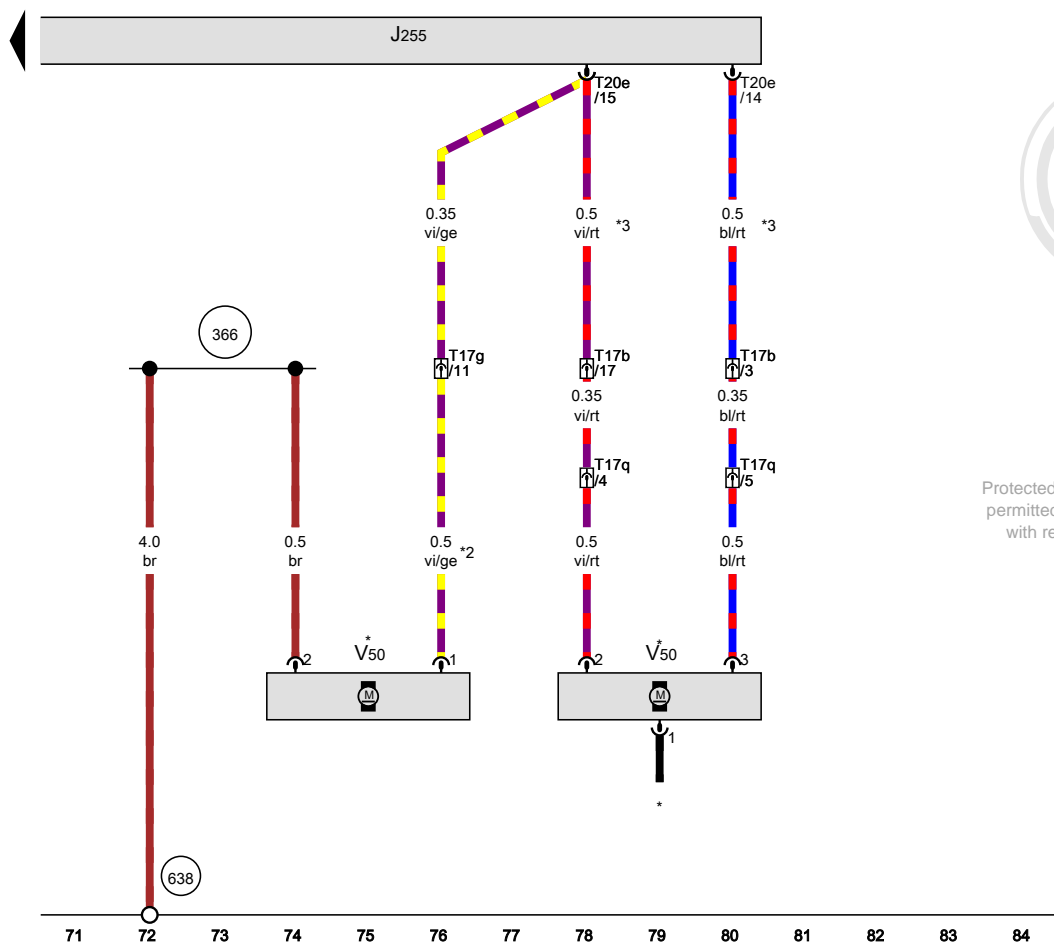
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- or = orange
- rs = pink

[83B-043061112]

# Coolant recirculation pump

- J255 Climatronic control module
- T17b 17-pin connector, blue
- T17g 17-pin connector, black
- T17q 17-pin connector, red
- T20e 20-pin connector
- V50 Coolant recirculation pump
- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- \* Refer to applicable engine wiring diagram
- \*2 The color of the wires depends on vehicle equipment
- \*3 Diameter depends on equipment

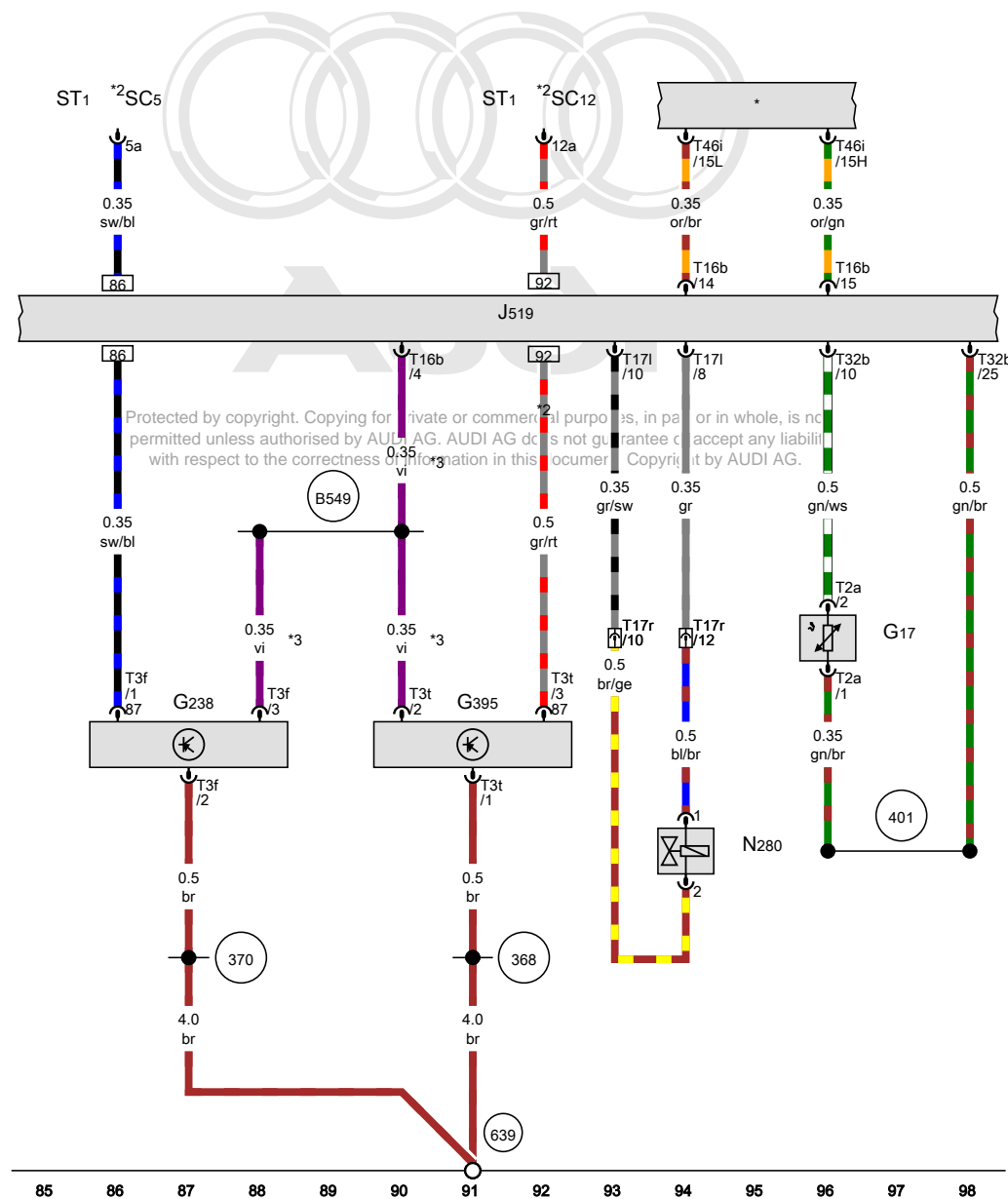


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[83B-043071112]





# Outside air temperature sensor, A/C pressure/temperature sensor, A/C compressor regulator valve

- G17 Outside air temperature sensor
- G238 Air quality sensor
- G395 A/C pressure/temperature sensor
- J519 Vehicle electrical system control module
- N280 A/C compressor regulator valve
- ST1 Fuse panel 1
- SC5 Fuse 5 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T2a Double connector
- T3f 3-pin connector
- T3t 3-pin connector
- T16b 16-pin connector
- T17l 17-pin connector
- T17r 17-pin connector, white
- T32b 32-pin connector
- T46i 46-pin connector

- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B549 LIN bus connection 2 (in main wiring harness)
- \* Refer to applicable wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 The color of the wires depends on vehicle equipment

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- sw = black
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- gn = green
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- vi = lilac
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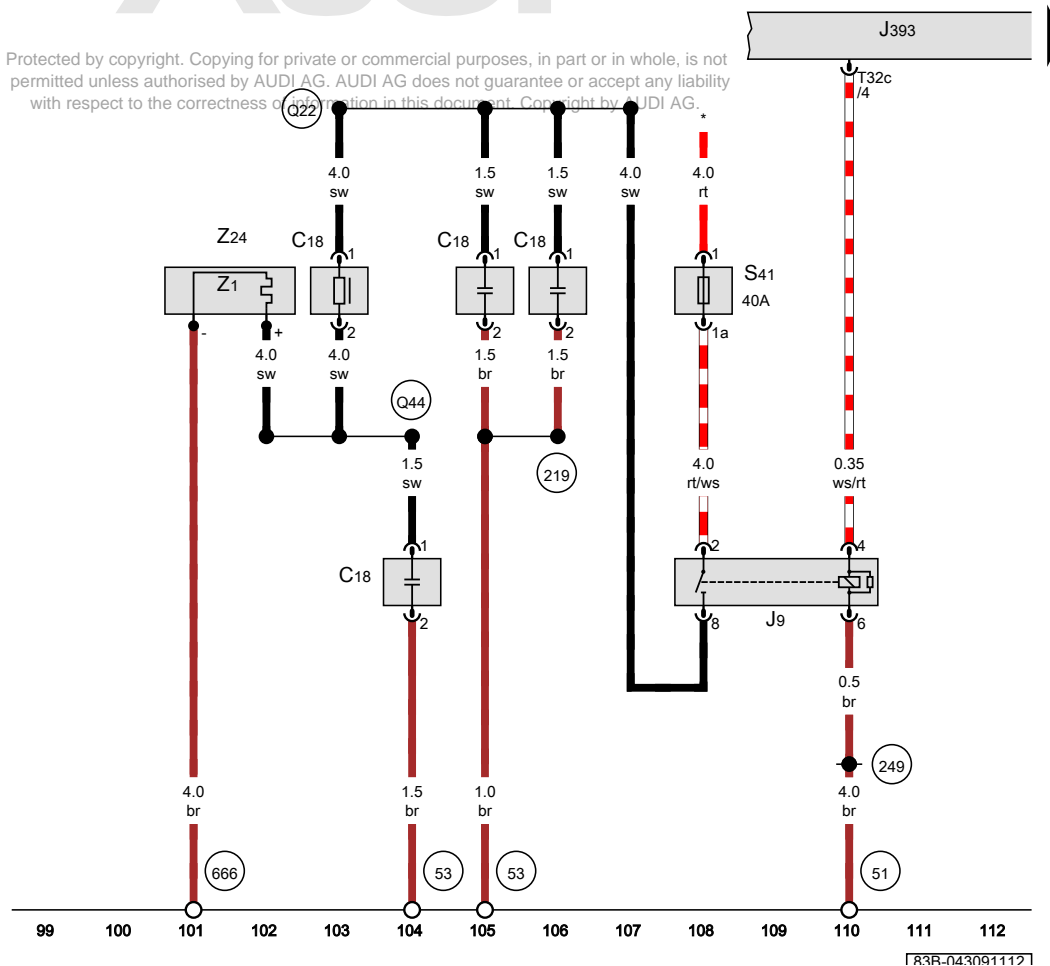
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## Comfort system central control module, Rear window defogger

- C18 Windshield antenna suppression filter
- J9 Rear window defogger relay
- J393 Comfort system central control module
- S41 Rear window defogger fuse
- T32c 32-pin connector
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

\* Refer to applicable wiring diagram for fuse positions



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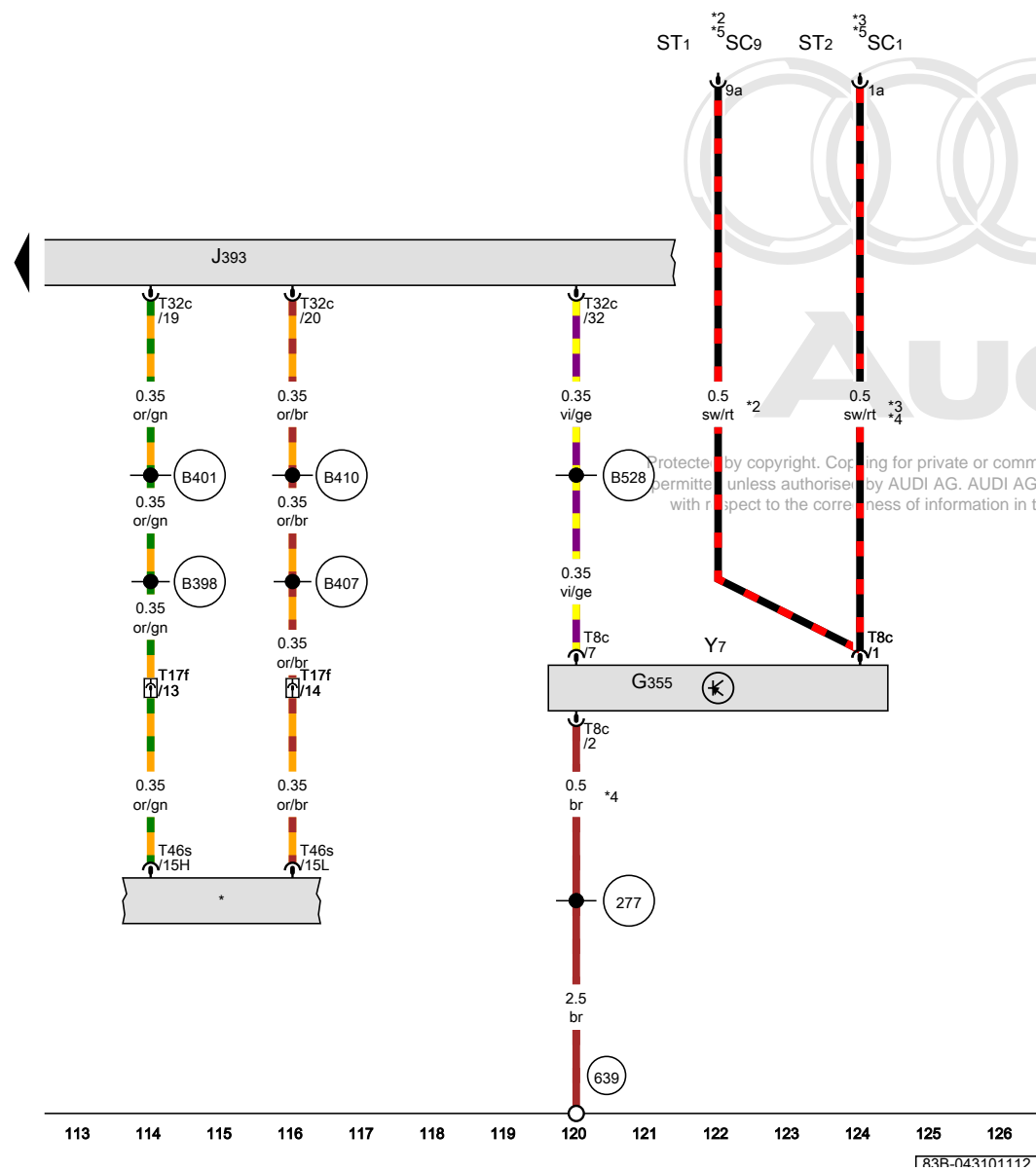
Humidity sensor, Comfort system central control module,  
Automatic dimming interior rearview mirror

- G355 Humidity sensor
- J393 Comfort system central control module
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC9 Fuse 9 (on fuse panel C)
- T8c 8-pin connector
- T17f 17-pin connector, brown
- T32c 32-pin connector
- T46s 46-pin connector
- Y7 Automatic dimming interior rearview mirror

- 277 Ground connection 3 (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)

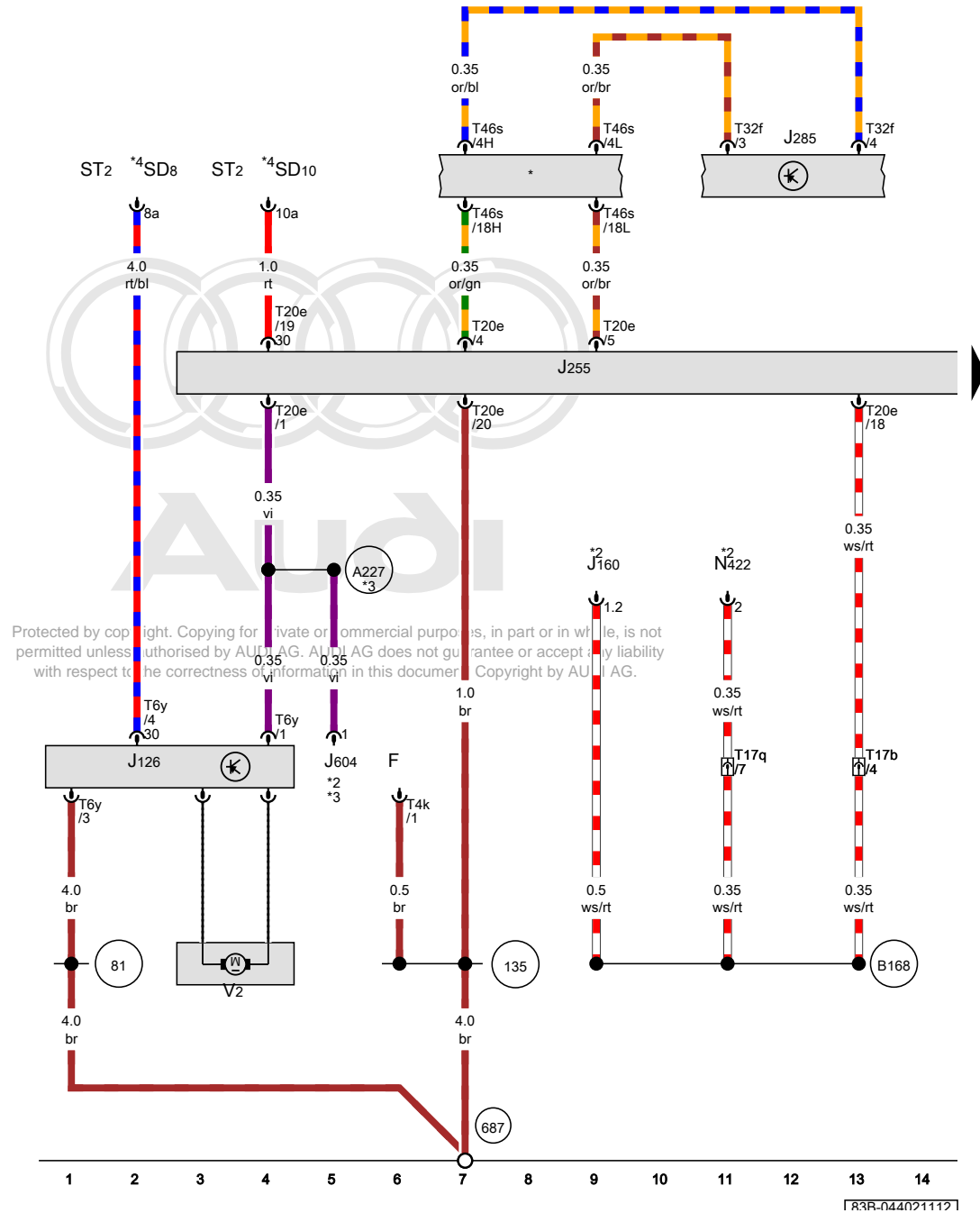
- \* Refer to applicable wiring diagram
- \*2 through April 2009
- \*3 from May 2009
- \*4 Diameter depends on equipment
- \*5 Refer to applicable wiring diagram for fuse positions

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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



**Automatic climate control, Basic Climatronic**  
from September 2008

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### Fresh air blower control module

- F Brake lamp switch
- J126 Fresh air blower control module
- J160 Recirculation pump relay
- J255 Climatronic control module
- J285 Instrument cluster control module
- J604 Auxiliary air heater control module
- N422 Climatronic refrigerant shut-off valve
- ST2 Fuse panel 2
- SD8 Fuse 8 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- T4k 4-pin connector
- T6y 6-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector
- V2 Fresh air blower

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- B168 Connection 86 (in interior wiring harness)

- \* Refer to applicable wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 only for vehicles with hybrid drive
- \*4 Refer to applicable wiring diagram for fuse positions

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

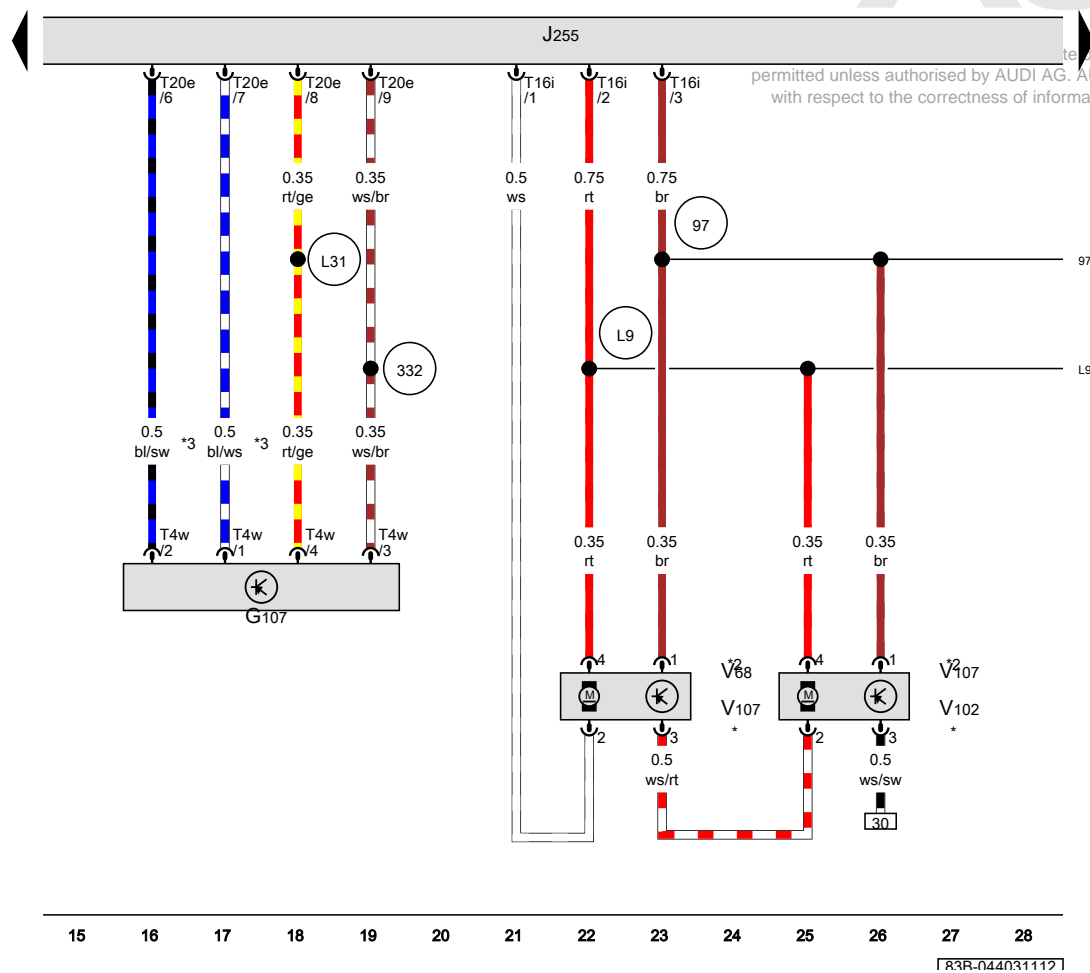
183R-0440211121

# Center vent adjustment motor

- G107 Sunlight photo sensor
- J255 Climatronic control module
- T4w 4-pin connector
- T16i 16-pin connector
- T20e 20-pin connector
- V68 Temperature regulator door motor
- V102 Center vent adjustment motor
- V107 Defroster door motor

- 97 Ground connection 1 (in A/C wiring harness)
- 332 Ground connection 4 (in instrument panel wiring harness)
- L9 Connection 1 (in A/C system wiring harness)
- L31 Connection (5 Volt) (in A/C system wiring harness)

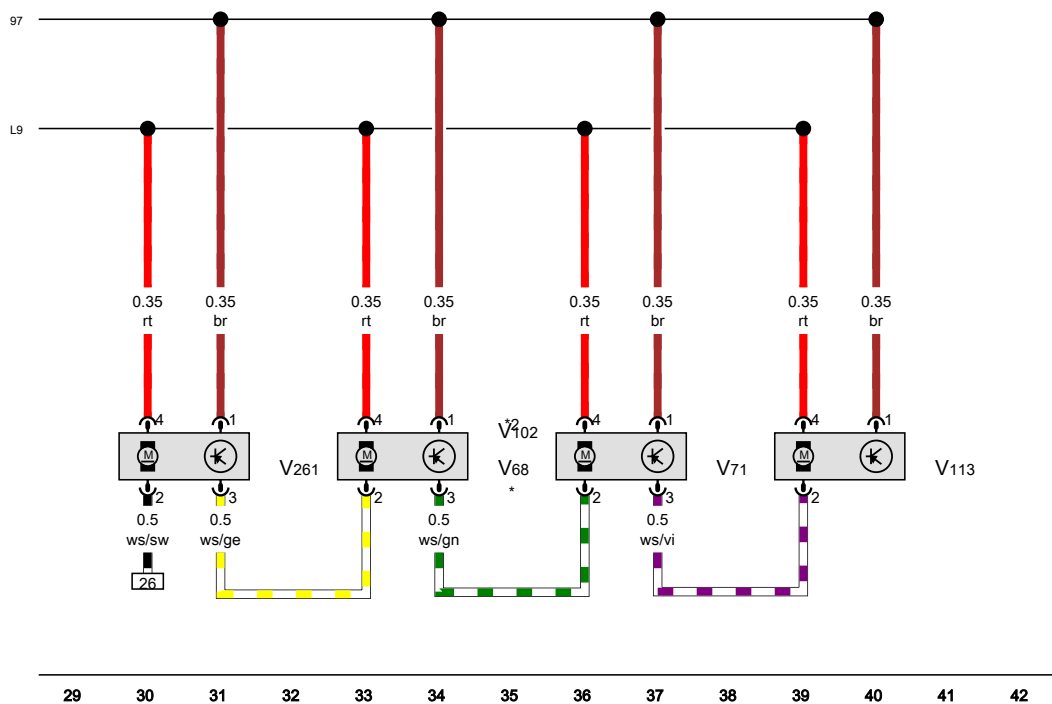
- \* Only for right-hand drive vehicles
- \*2 Only for left-hand drive vehicles
- \*3 Diameter depends on equipment



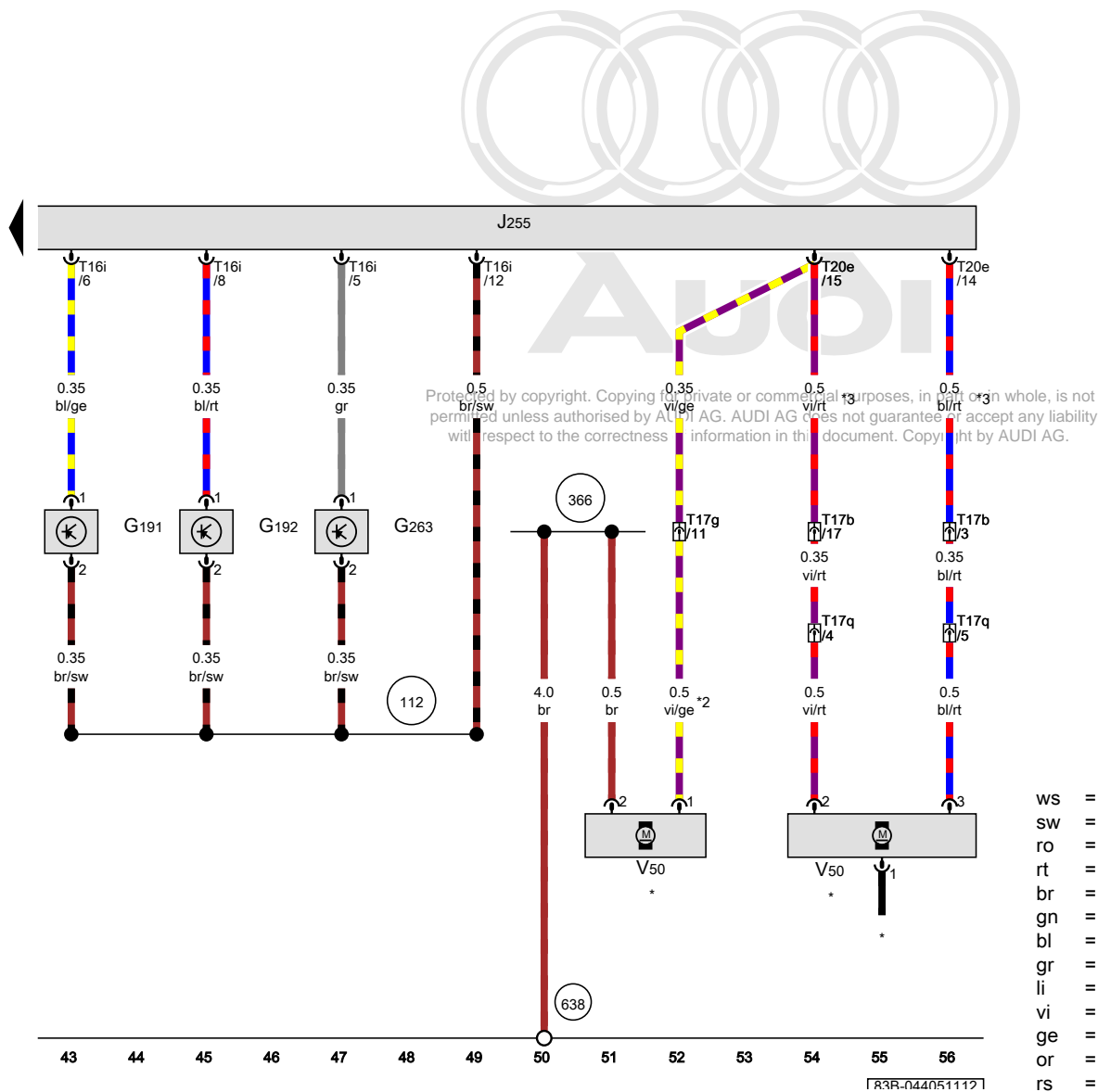
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[A3B.044041117]



Center vent temperature sensor, Footwell vent temperature sensor, Evaporator vent temperature sensor, Coolant recirculation pump

- G191 Center vent temperature sensor
- G192 Footwell vent temperature sensor
- G263 Evaporator vent temperature sensor
- J255 Climatronic control module
- T16i 16-pin connector
- T17b 17-pin connector, blue
- T17g 17-pin connector, black
- T17q 17-pin connector, red
- T20e 20-pin connector
- V50 Coolant recirculation pump

112 Ground connection 2 (in A/C wiring harness)

366 Ground connection 1 (in main wiring harness)

638 Ground connection on right A-pillar

\* Refer to applicable engine wiring diagram

\*2 The color of the wires depends on vehicle equipment

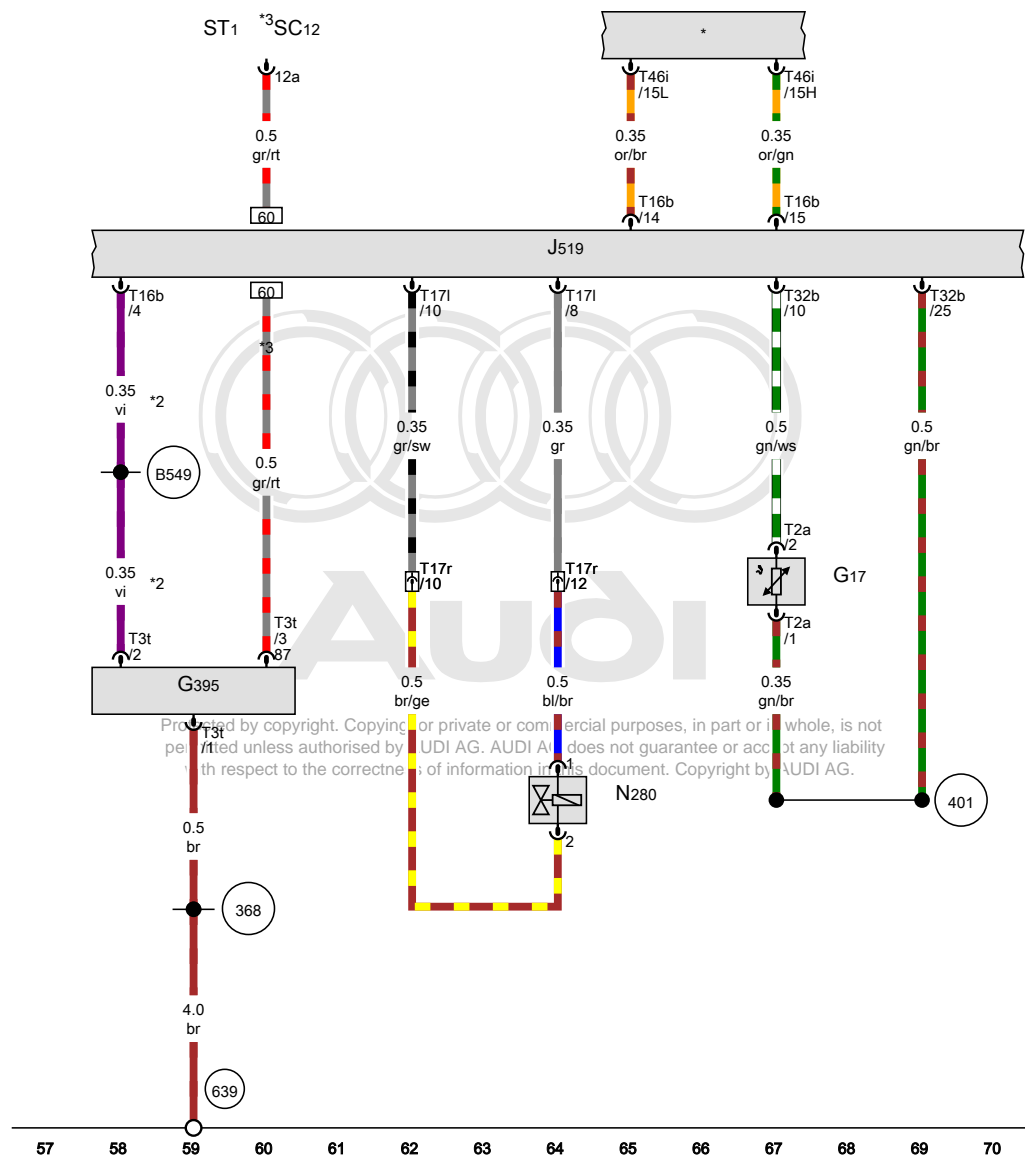
\*3 Diameter depends on equipment



# A/C compressor regulator valve

- G17 Outside air temperature sensor
- G395 A/C pressure/temperature sensor
- J519 Vehicle electrical system control module
- N280 A/C compressor regulator valve
- ST1 Fuse panel 1
- SC12 Fuse 12 (on fuse panel C)
- T2a Double connector
- T3t 3-pin connector
- T16b 16-pin connector
- T17l 17-pin connector
- T17r 17-pin connector, white
- T32b 32-pin connector
- T46i 46-pin connector

- 368 Ground connection 3 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B549 LIN bus connection 2 (in main wiring harness)
- \* Refer to applicable wiring diagram
- \*2 The color of the wires depends on vehicle equipment
- \*3 Refer to applicable wiring diagram for fuse positions

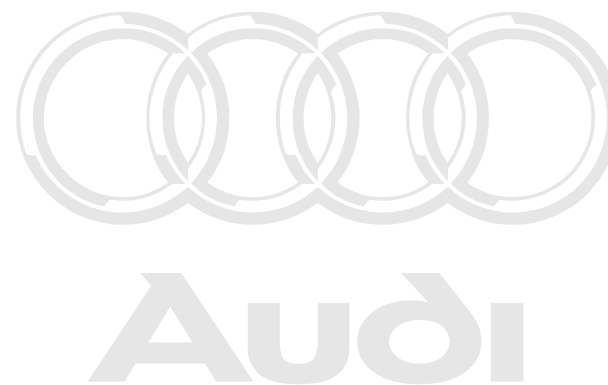


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**Rear final drive - sport differential**

from September 2008



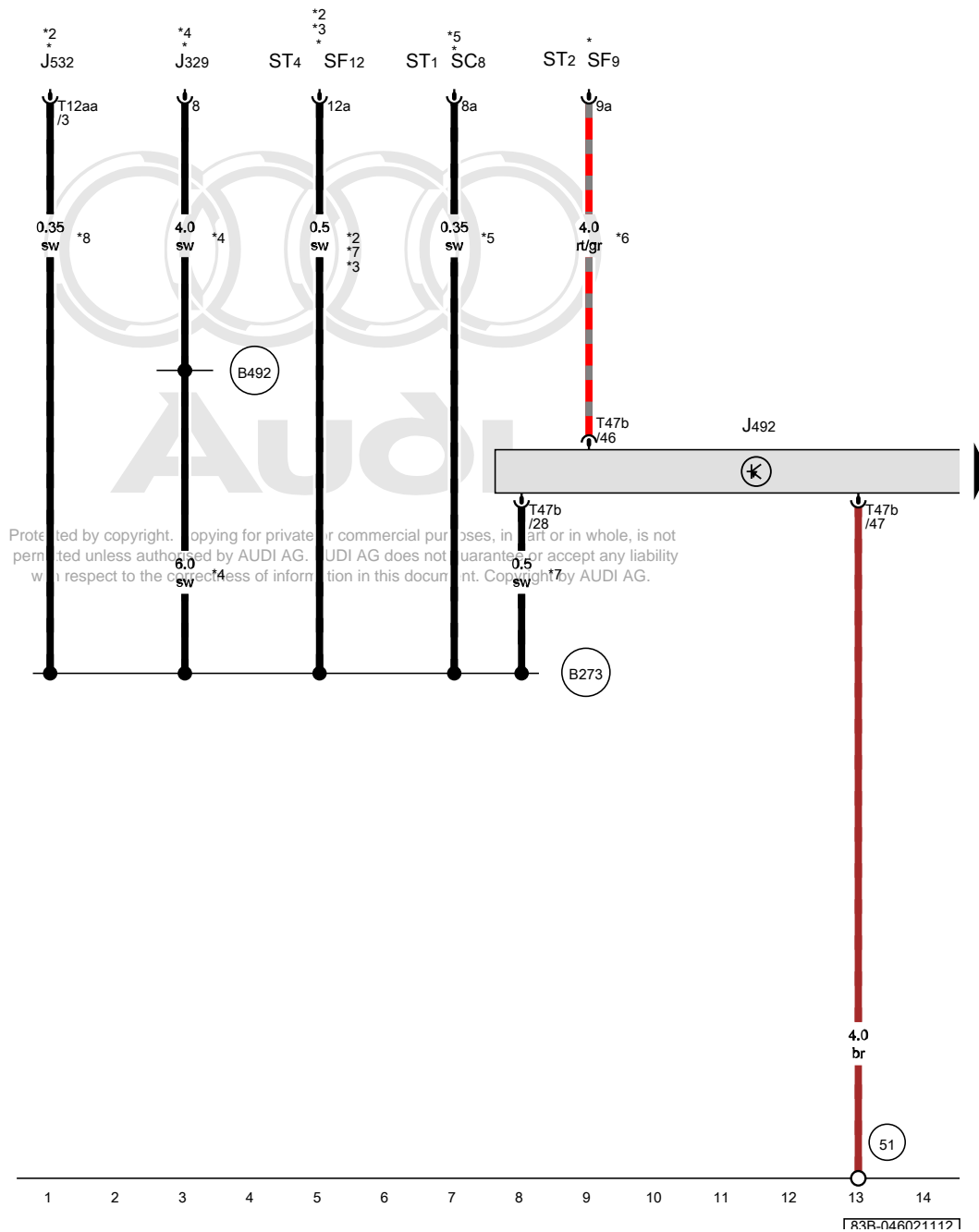
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### All wheel drive control module

- J329 Terminal 15 power supply relay
- J492 All wheel drive control module
- J532 Voltage stabilizer
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- ST4 Fuse panel 4
- SC8 Fuse 8 (on fuse panel C)
- SF9 Fuse 9 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12aa 12-pin connector
- T47b 47-pin connector

- 51 Ground connection in luggage compartment, right
- B273 Positive connection (15) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 through April 2012
- \*4 through April 2009
- \*5 from May 2012
- \*6 The color of the wires depends on vehicle equipment
- \*7 Diameter depends on equipment
- \*8 Only for vehicles with Stop/Start system



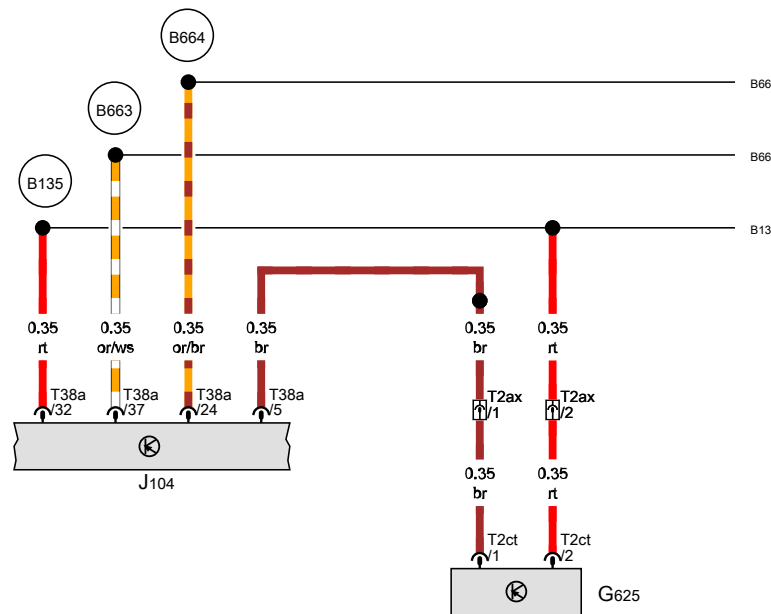


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# ABS control module, All wheel drive control module

- G625 Roof rack recognition sensor
- J104 ABS control module
- J492 All wheel drive control module
- T2ax Double connector, near the left roof pillar
- T2ct Double connector
- T38a 38-pin connector

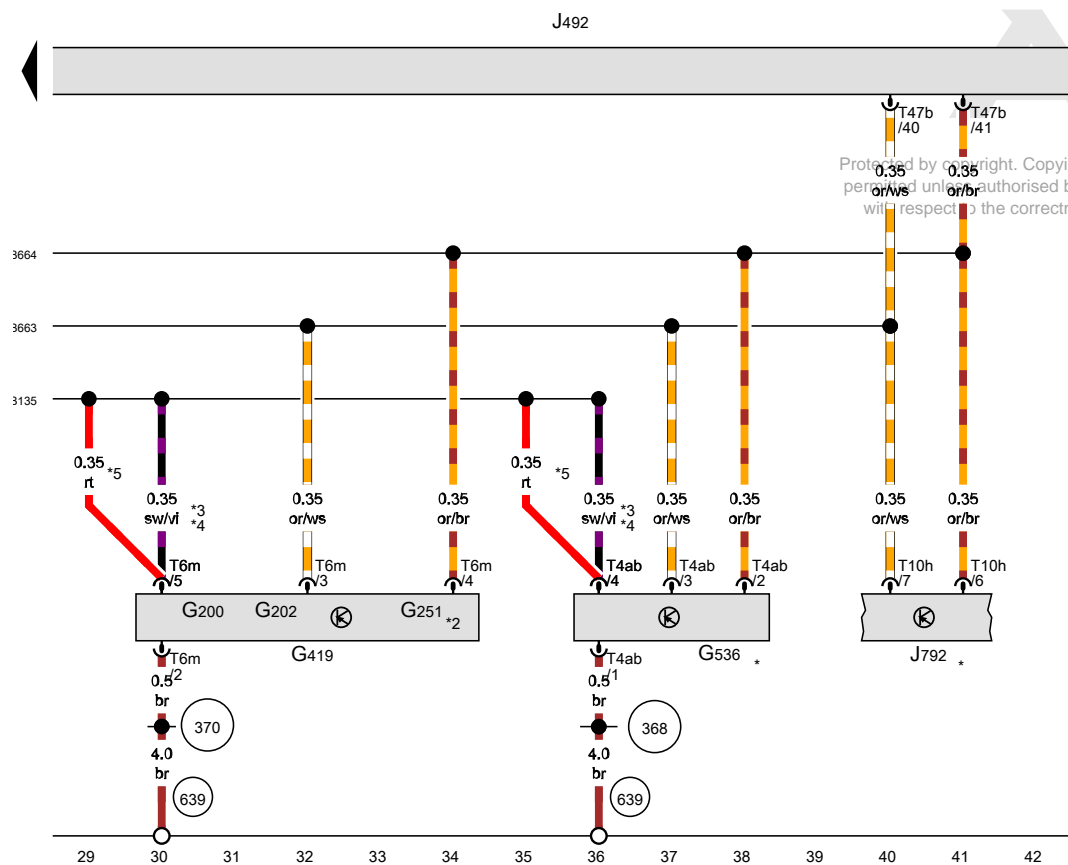
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)



ESP sensor unit, ESP sensor unit 2, All wheel drive control module, Active steering control module

- G200 Transverse acceleration sensor
- G202 Rotation rate sensor
- G251 Longitudinal acceleration sensor
- G419 ESP sensor unit
- G536 ESP sensor unit 2
- J492 All wheel drive control module
- J792 Active steering control module
- T4ab 4-pin connector
- T6m 6-pin connector
- T10h 10-pin connector
- T47b 47-pin connector

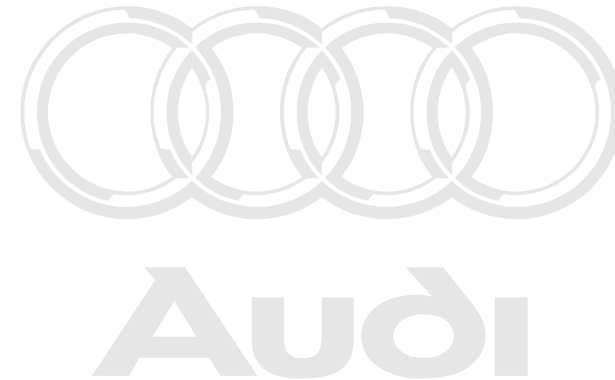
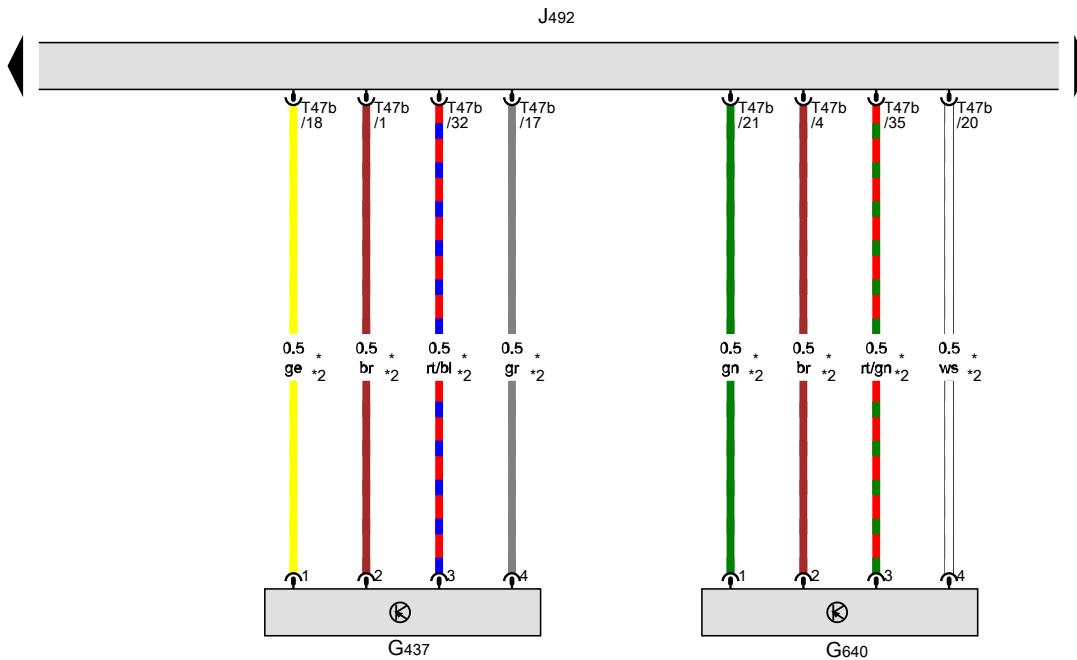
- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)
- \* Special equipment
- \*2 Only for vehicles with all wheel drive
- \*3 The color of the wires depends on vehicle equipment
- \*4 through April 2012
- \*5 from May 2012



83B-0460411171

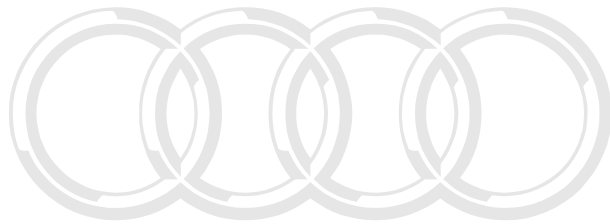
Oil pressure/temperature sensor, Oil pressure/temperature sensor 2, All wheel drive control module

- G437 Oil pressure/temperature sensor
- G640 Oil pressure/temperature sensor 2
- J492 All wheel drive control module
- T47b 47-pin connector
- \* The color of the wires depends on vehicle equipment
- \*2 Diameter depends on equipment



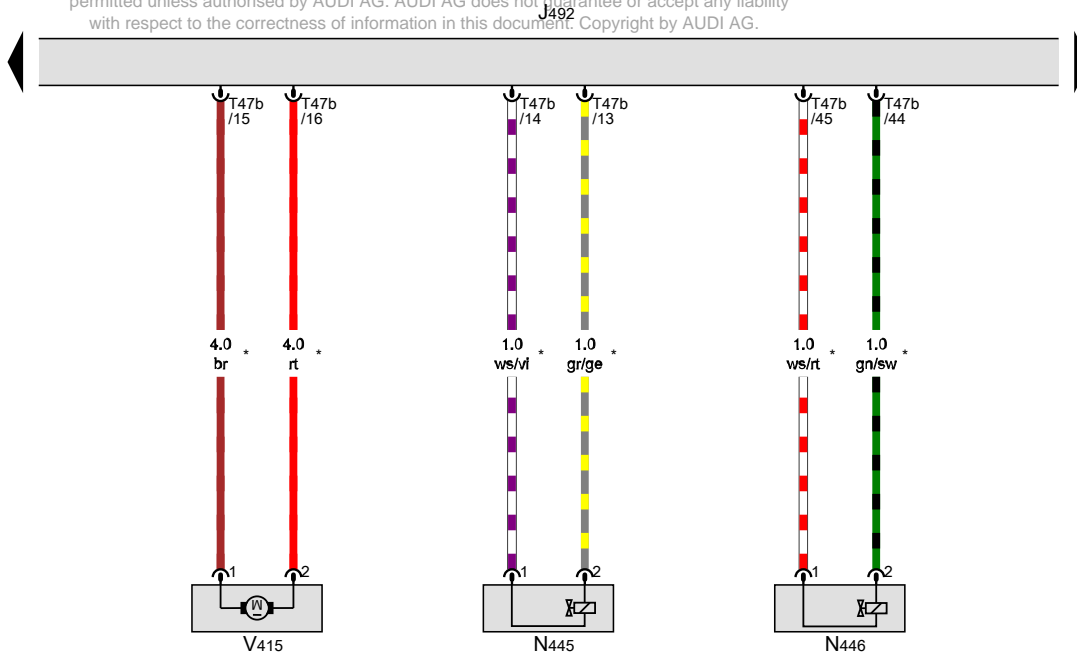
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All wheel drive control module, All wheel drive clutch valve, All wheel drive clutch valve 2, All wheel drive pump

- J492 All wheel drive control module
- N445 All wheel drive clutch valve
- N446 All wheel drive clutch valve 2
- T47b 47-pin connector
- V415 All wheel drive pump
- \* The color of the wires depends on vehicle equipment

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ge = yellow  
or = orange  
rs = pink

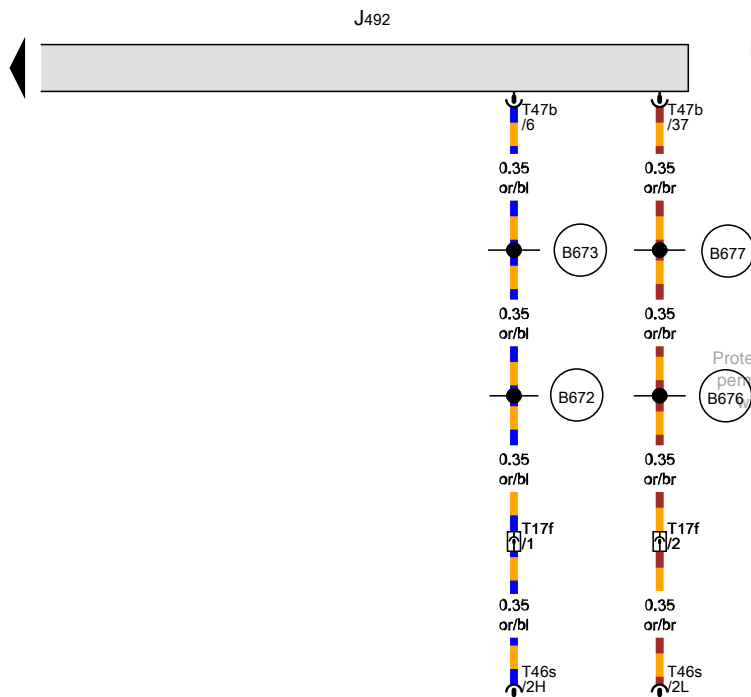
57 58 59 60 61 62 63 64 65 66 67 68 69 70

[83B-0460R1112]



All wheel drive control module, Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness), Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- J492 All wheel drive control module
- T17f 17-pin connector, brown
- T46s 46-pin connector
- T47b 47-pin connector
- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)



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 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

183B-0460711121



### Multifunction steering wheel

from September 2008

# Audi

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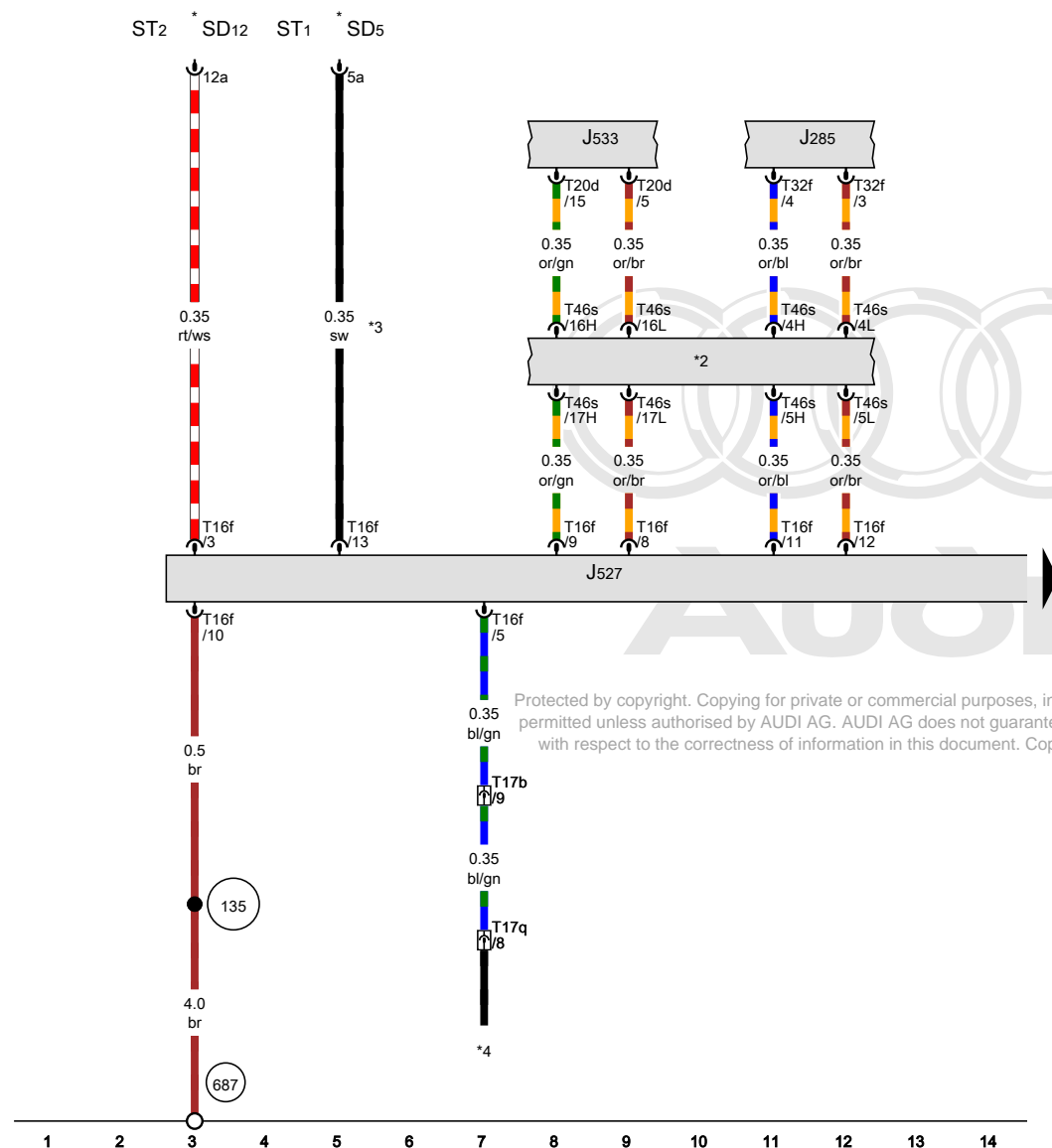
# Steering column electronics control module

- J285 Instrument cluster control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD5 Fuse 5 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

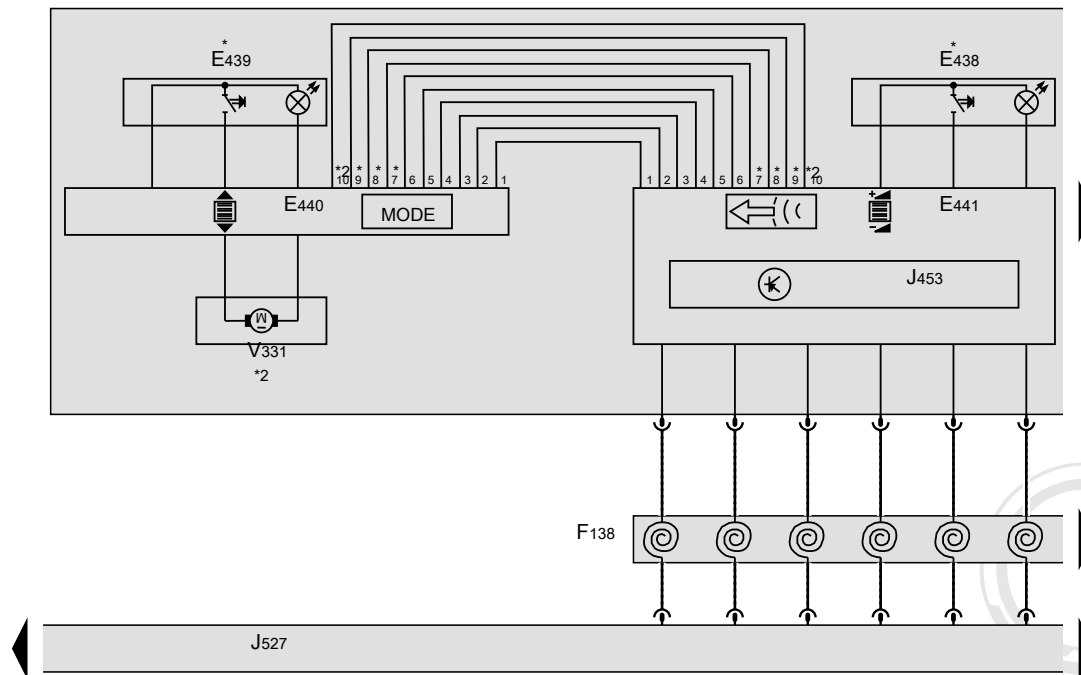
687 Ground connection 1 on center tunnel

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable wiring diagram
- \*3 Diameter depends on equipment
- \*4 Refer to applicable engine wiring diagram



183R-0470211121

E221



Control unit in steering wheel, Left multifunction buttons on steering wheel, Right multifunction buttons on steering wheel, Multifunction steering wheel control module, Steering column electronics control module

- E221 Control unit in steering wheel
- E438 tiptronic upshift button on steering wheel
- E439 tiptronic downshift button on steering wheel
- E440 Left multifunction buttons on steering wheel
- E441 Right multifunction buttons on steering wheel
- F138 Airbag spiral spring/return spring with slip ring
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- V331 Steering wheel vibration motor
- \* Only for vehicles with tiptronic
- \*2 Only for vehicles with lane assist

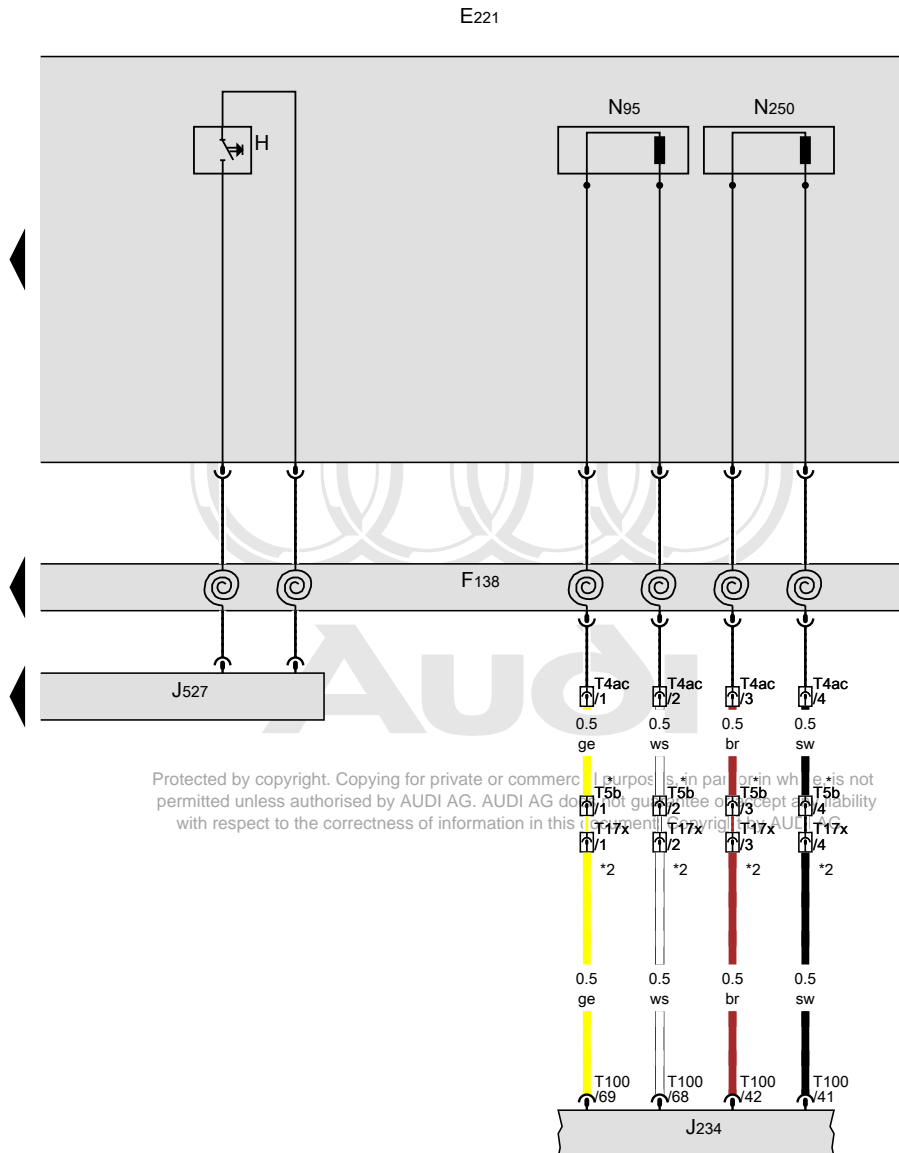
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 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

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

1R3R-0470311121

Control unit in steering wheel, Steering column electronics control module, Driver airbag igniter, Driver airbag igniter 2

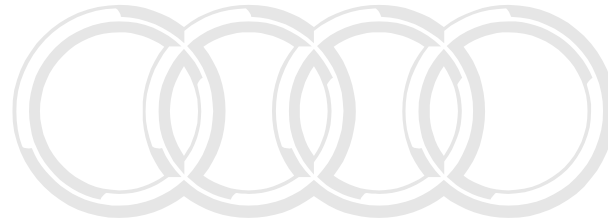


- E221 Control unit in steering wheel
- F138 Airbag spiral spring/return spring with slip ring
- H Signal horn activation
- J234 Airbag control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4ac 4-pin connector, yellow
- T5b 5-pin connector, yellow
- T17x 17-pin connector, yellow
- T100 100-pin connector
- \* through April 2009
- \*2 from May 2009

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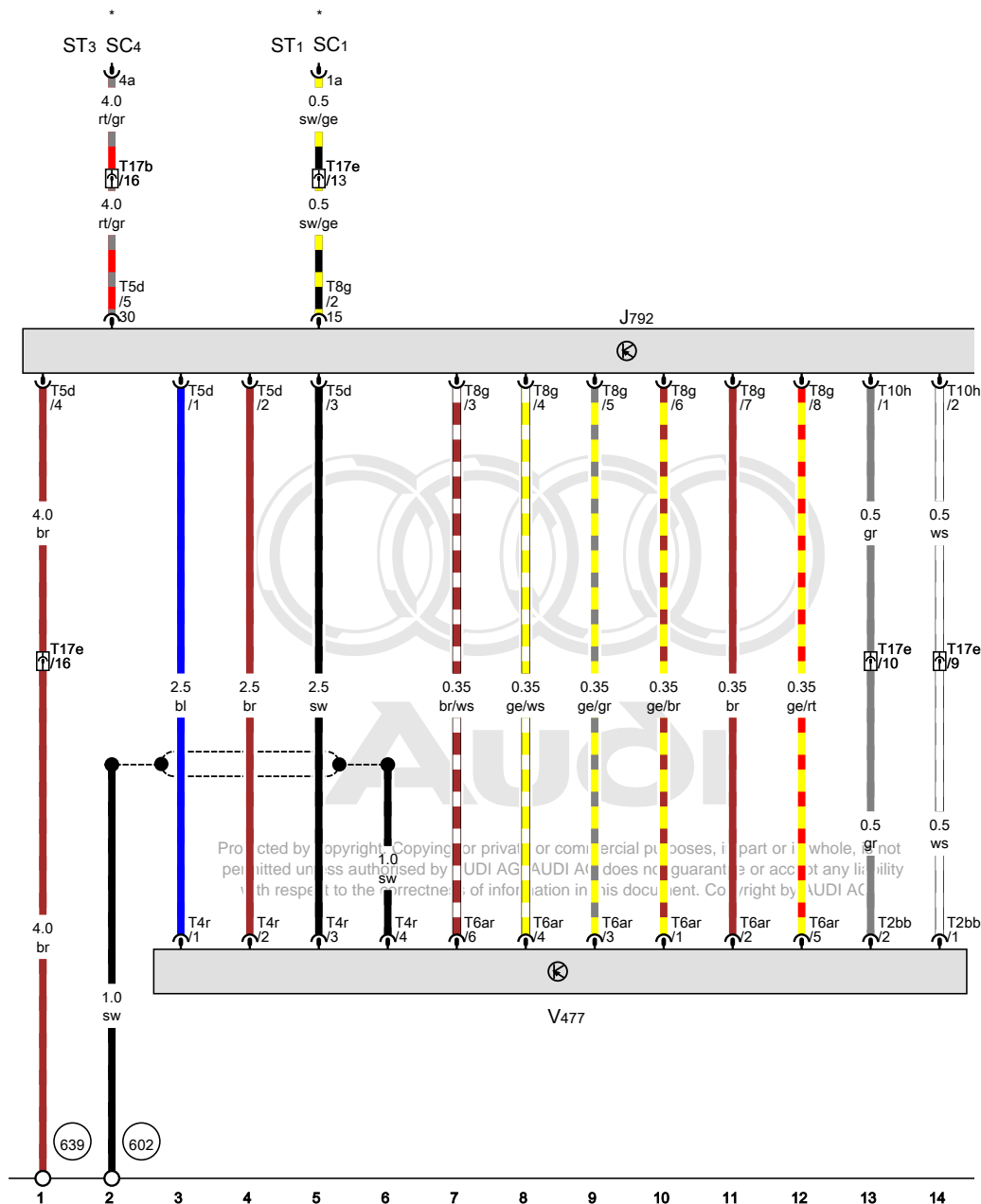
**Power Steering, Dynamic**

From September 2008

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Active Steering Control Module, Active Steering Motor



- J792 Active Steering Control Module
- SC1 Fuse 1 (On Fuse Panel C)
- ST1 Fuse Panel 1
- ST3 Fuse Panel 3
- SC4 Fuse 4 (On Fuse Panel C)
- T2bb 2-Pin Connector
- T4r 4-Pin Connector
- T5d 5-Pin Connector
- T6ar 6-Pin Connector
- T8g 8-Pin Connector
- T10h 10-Pin Connector
- T17b 17-Pin Connector, Blue
- T17e 17-Pin Connector, Red
- V477 Active Steering Motor

602 Ground Connection in Left Front Footwell

639 Ground Connection on Left A-Pillar

\* Refer to Applicable Wiring Diagram for Fuse Positions

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- sw = black
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183R-04R02011R1

# Roof Rack Recognition Sensor, ABS Control Module, Active Steering Control Module

- G625 Roof Rack Recognition Sensor
- J104 ABS Control Module
- J792 Active Steering Control Module
- T2ax 2-Pin Connector, Near the Left Roof Pillar
- T2ct 2-Pin Connector
- T38a 38-Pin Connector

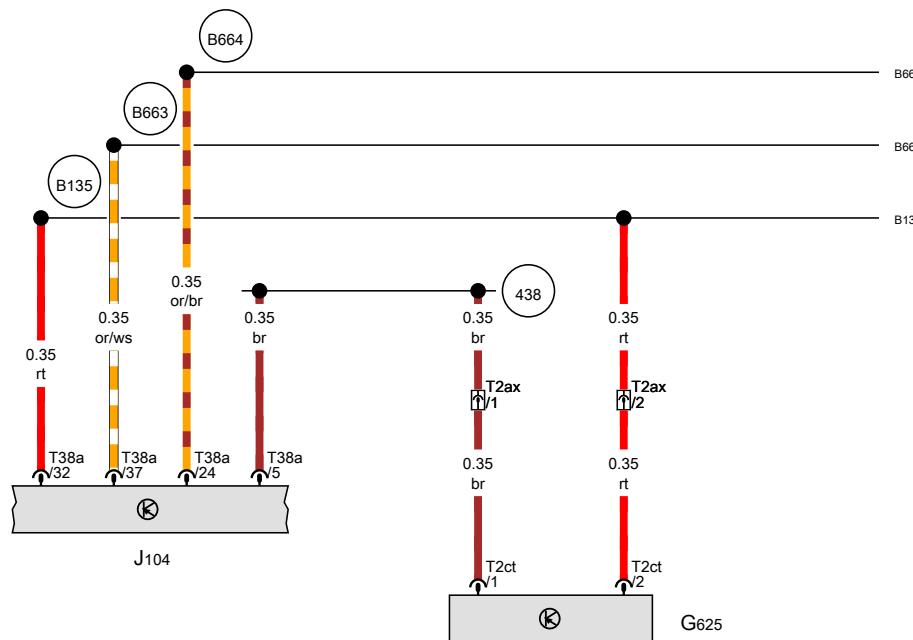
438 Ground Connection 3 (in Roof Wiring Harness)

B135 Positive Connection 1 (15a) (in Interior Wiring Harness)

B663 Suspension Sensor CAN Bus High Connection (in Main Wiring Harness)

B664 Suspension Sensor CAN Bus Low Connection (in Main Wiring Harness)

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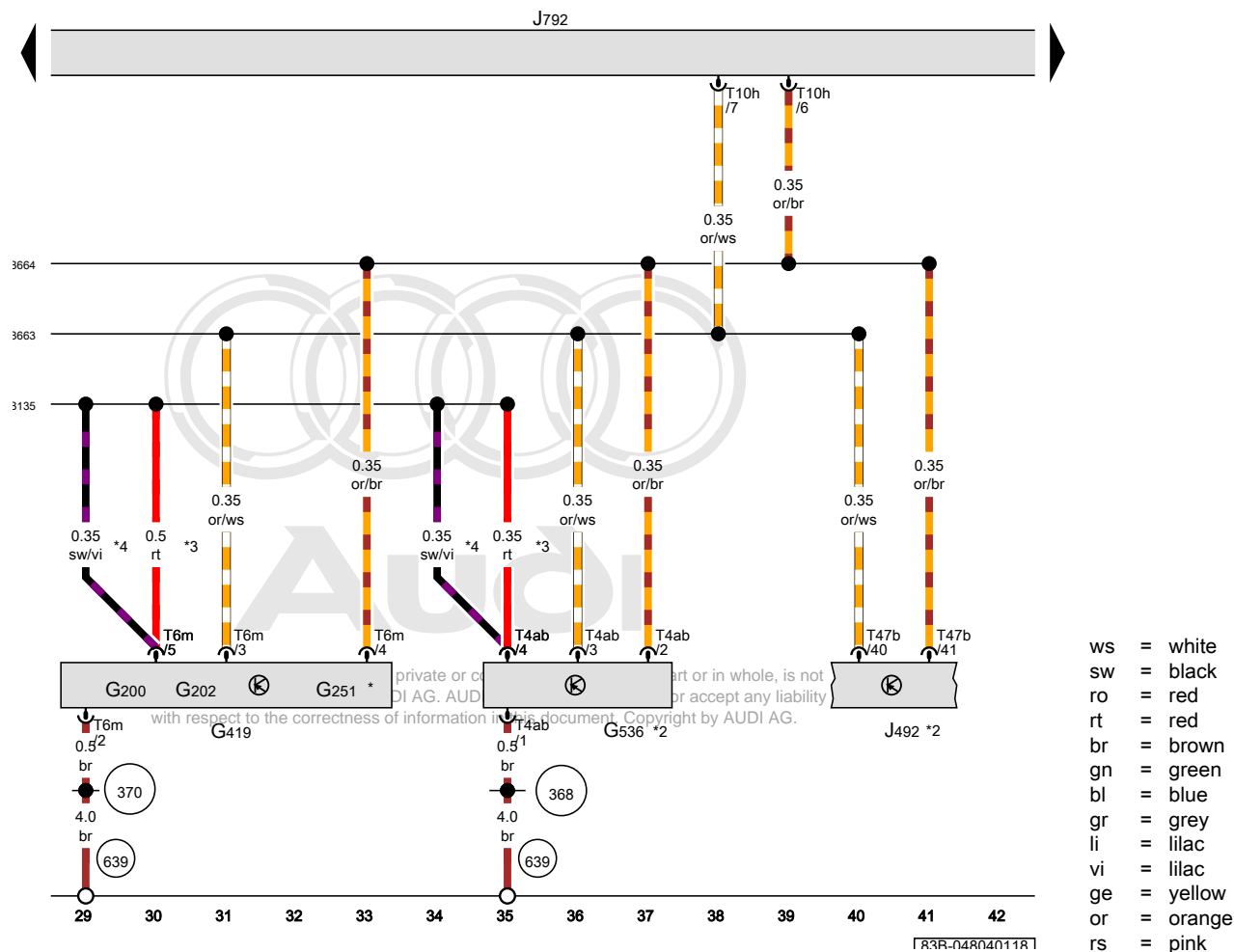
183R-04R03011R1



**Transverse Acceleration Sensor, Rotation Rate Sensor, Longitudinal Acceleration Sensor, ESP Sensor Unit, ESP Sensor Unit 2, All Wheel Drive Control Module, Active Steering Control Module**

- |      |                                  |
|------|----------------------------------|
| G200 | Transverse Acceleration Sensor   |
| G202 | Rotation Rate Sensor             |
| G251 | Longitudinal Acceleration Sensor |
| G419 | ESP Sensor Unit                  |
| G536 | ESP Sensor Unit 2                |
| J492 | All Wheel Drive Control Module   |
| J792 | Active Steering Control Module   |
| T4ab | 4-Pin Connector                  |
| T6m  | 6-Pin Connector                  |
| T10h | 10-Pin Connector                 |
| T47b | 47-Pin Connector                 |

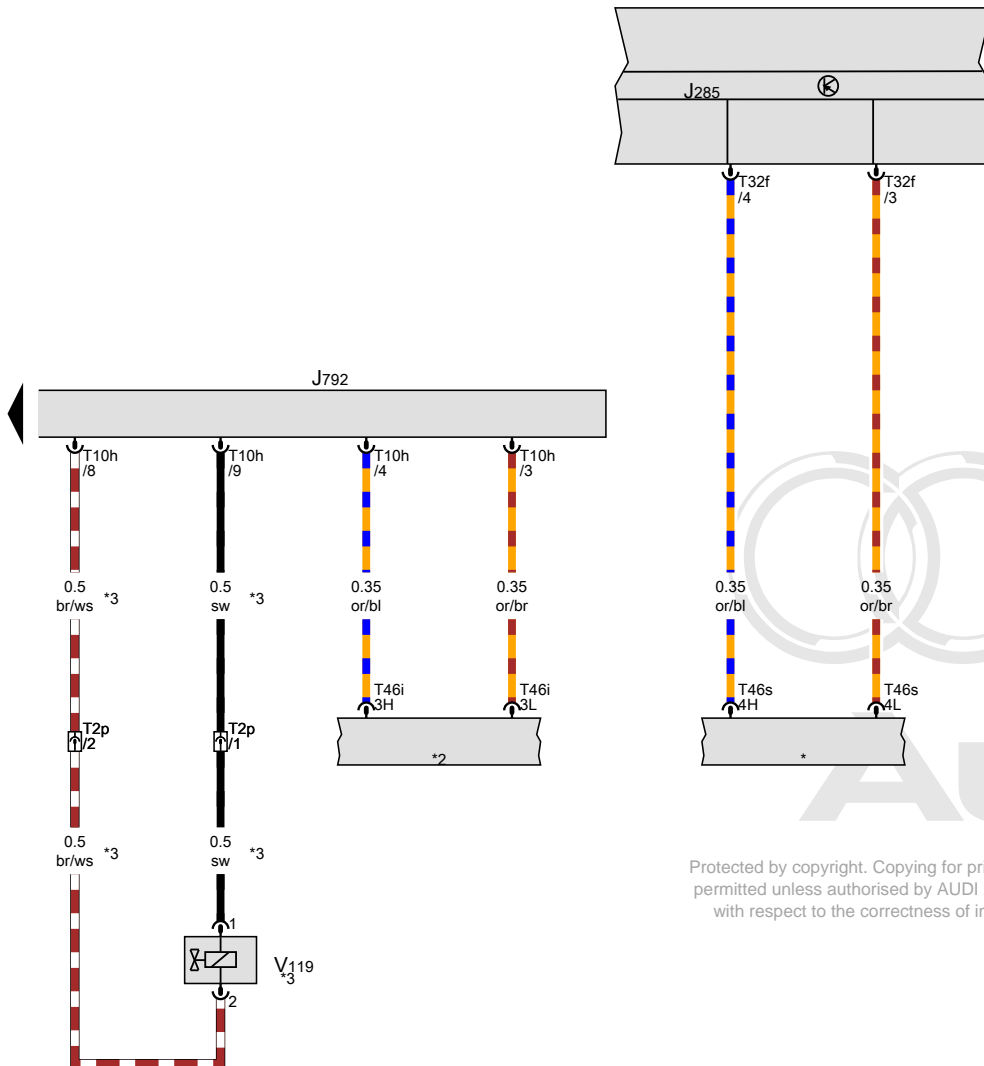
- |      |  |
|------|--|
| 368  | Ground Connection 3 (in Main Wiring Harness)                       |
| 370  | Ground Connection 5 (in Main Wiring Harness)                       |
| 639  | Ground Connection on Left A-Pillar                                 |
| B135 | Positive Connection 1 (15a) (in Interior Wiring Harness)           |
| B663 | Suspension Sensor CAN Bus High Connection (in Main Wiring Harness) |
| B664 | Suspension Sensor CAN Bus Low Connection (in Main Wiring Harness)  |
| *    | For AWD Vehicles   |
| *2   | Special Equipment  |
| *3   | Running Change   |
| *4   | Omitted as a Running Change  |



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Instrument Cluster Control Module, Active Steering Control Module, Power Steering Pump

- J285 Instrument Cluster Control Module
- J792 Active Steering Control Module
- T2p 2-Pin Connector, Black
- T10h 10-Pin Connector
- T32f 32-Pin Connector
- T46i 46-Pin Connector
- T46s 46-Pin Connector
- V119 Power Steering Pump
- \* Front Passenger Connection Bridge, Brown
- \*2 Driver Connection Bridge, Brown
- \*3 Omitted as a Running Change



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## Data bus on board diagnostic interface and diagnostic link connector (DLC)

from September 2008



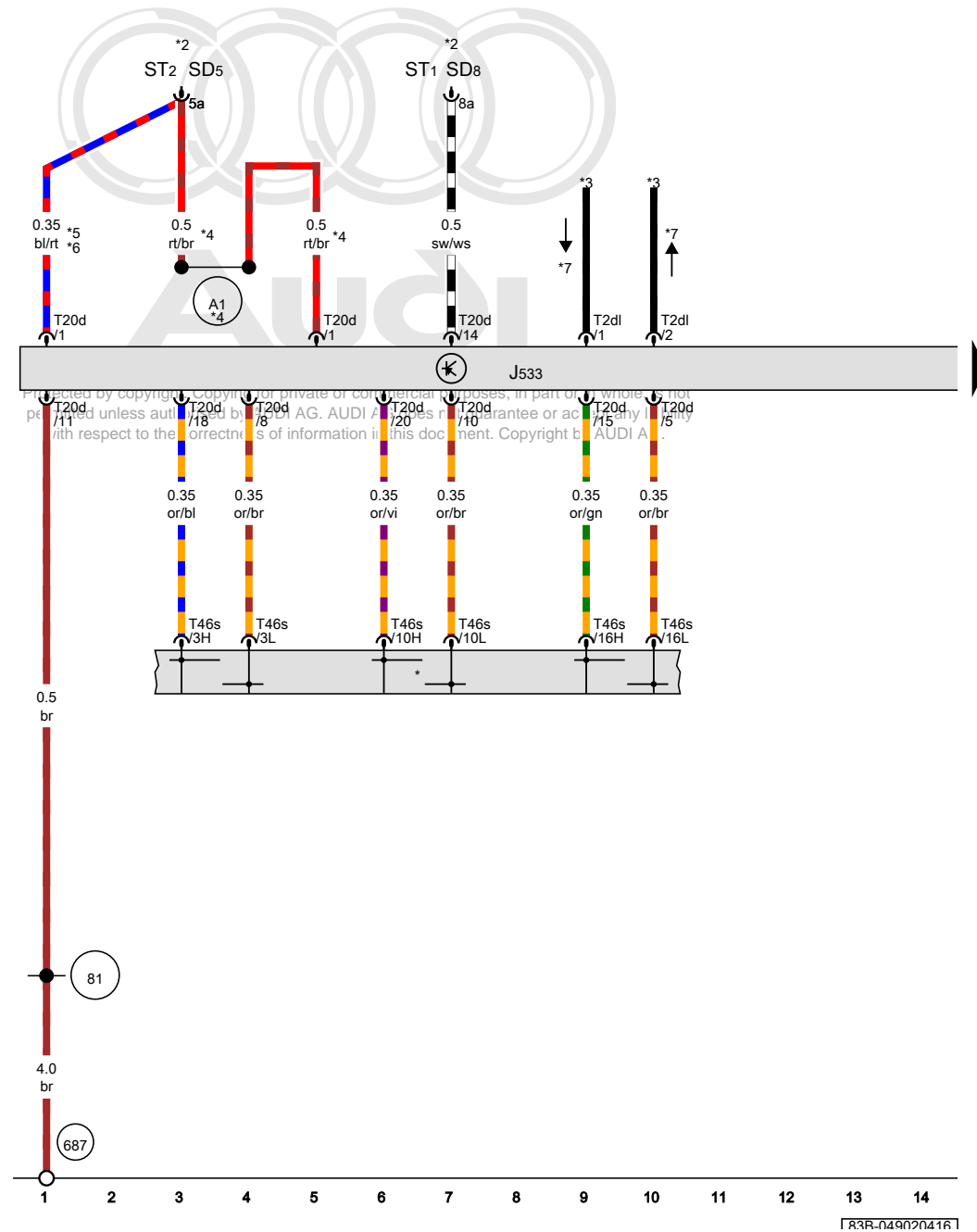
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# Data bus on board diagnostic interface

J533 Data bus on board diagnostic interface  
ST1 Fuse panel 1  
ST2 Fuse panel 2  
SD5 Fuse 5 (on fuse panel D)  
SD8 Fuse 8 (on fuse panel D)  
T2dl 2-pin connector  
T20d 20-pin connector  
T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A1 Positive connection 30a (in instrument panel wiring harness)

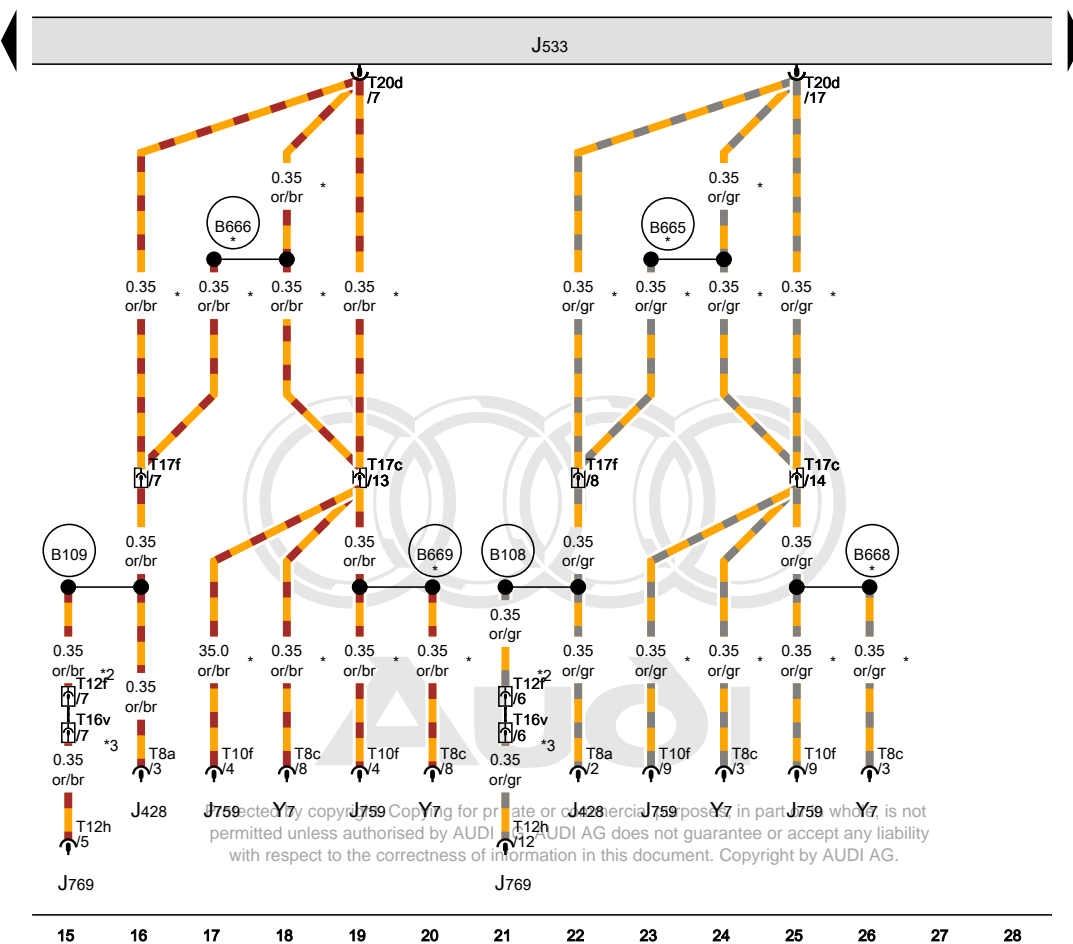
\* Refer to the applicable wiring diagram for CAN isolating plug  
\*2 Refer to applicable wiring diagram for fuse positions  
\*3 Refer to applicable wiring diagram  
\*4 through April 2009  
\*5 from May 2009  
\*6 Diameter depends on equipment  
\*7 Fiber optic cable



# Data bus on board diagnostic interface

- J428 Distance regulation control module
- J533 Data bus on board diagnostic interface
- J759 Directional stabilization assistance control module
- J769 Lane change assistance control module
- T8a 8-pin connector
- T8c 8-pin connector
- T10f 10-pin connector
- T12f 12-pin connector, brown
- T12h 12-pin connector
- T16v 16-pin connector, brown
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T20d 20-pin connector
- Y7 Automatic dimming interior rearview mirror

- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- B668 CAN bus extended high connection 2 (in main wiring harness)
- B669 CAN bus extended low connection 2 (in main wiring harness)
- \* Depending on equipment
- \*2 Omitted as a running change
- \*3 Running change



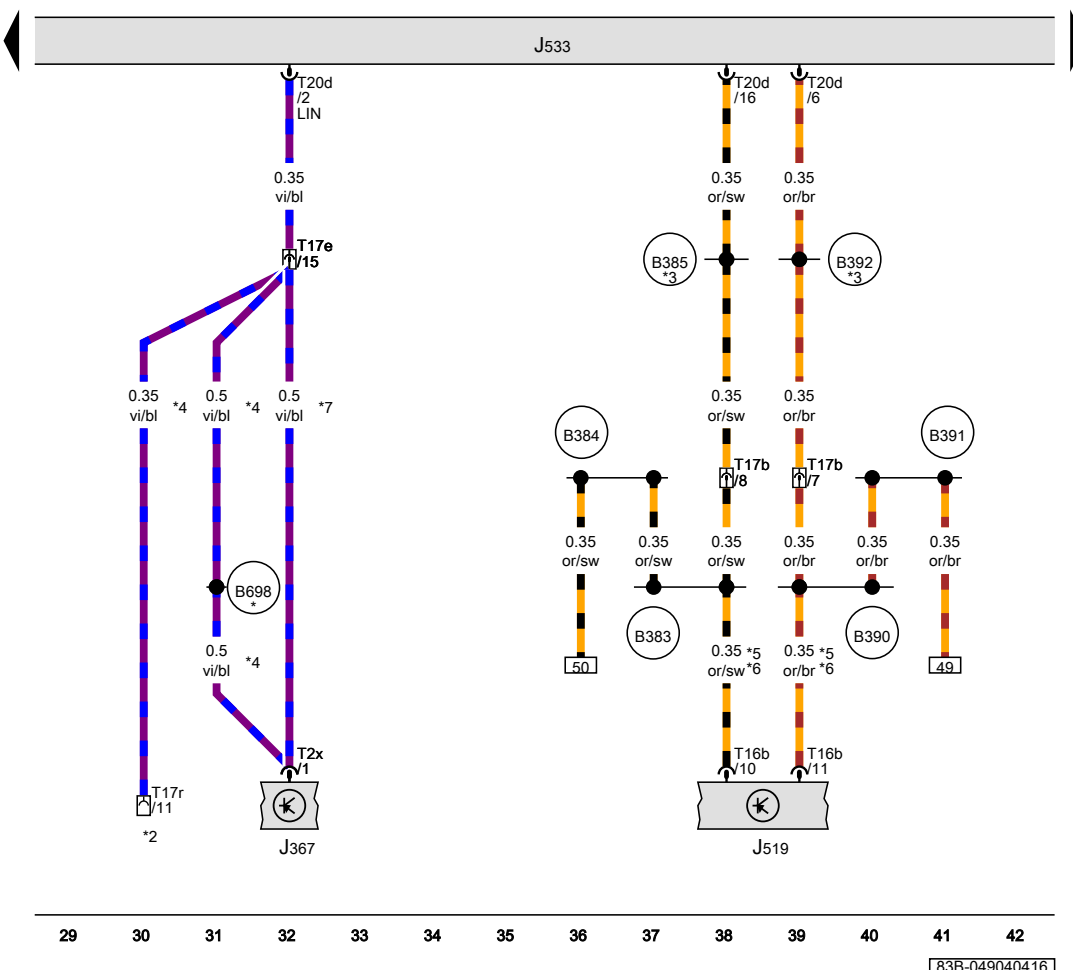
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# Data bus on board diagnostic interface

- J367 Battery monitoring control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- T2x 2-pin connector
- T16b 16-pin connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T17r 17-pin connector
- T20d 20-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B384 Powertrain CAN bus high connection 2 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (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)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- B698 LIN bus connection 3 (in main wiring harness)

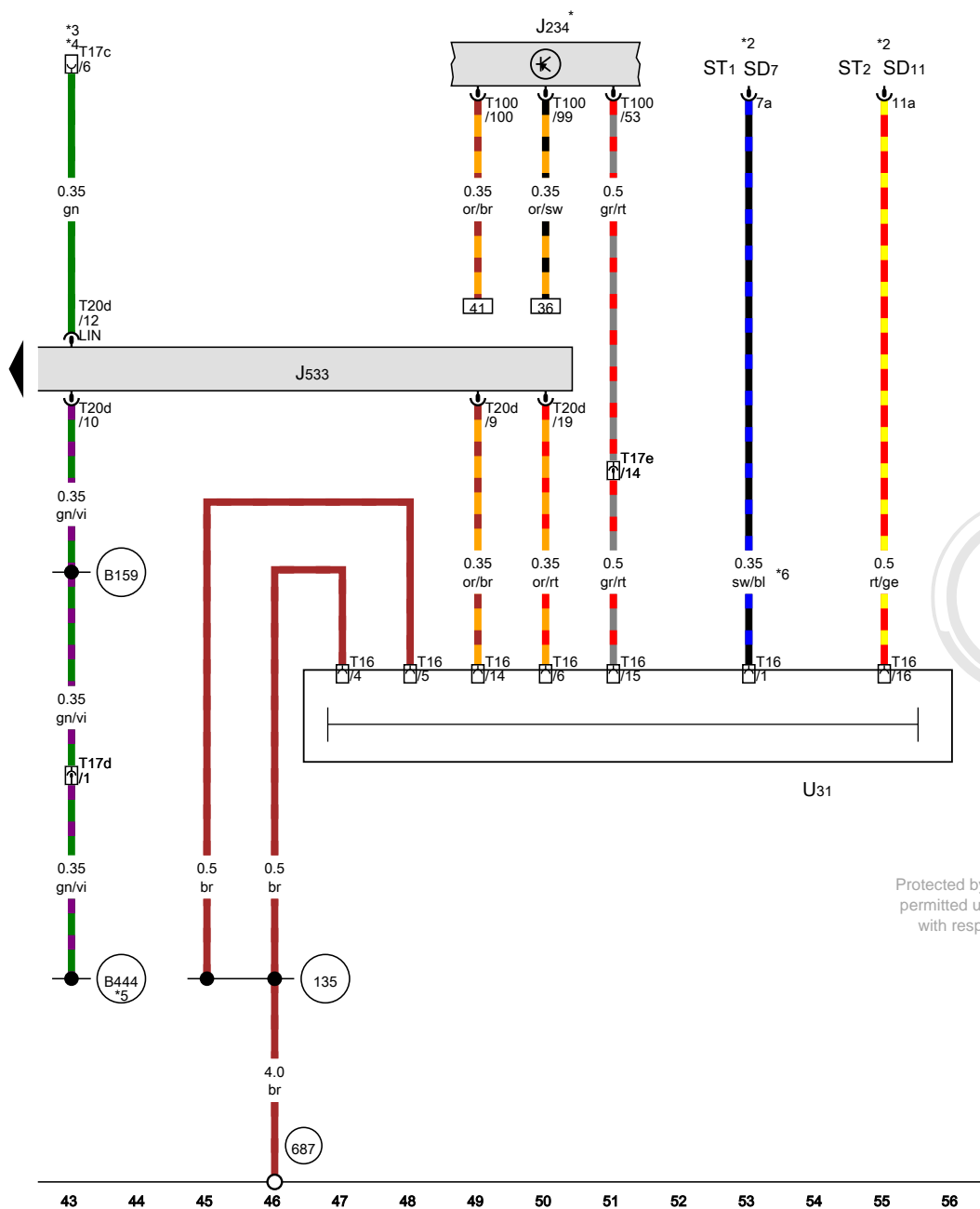
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Omitted as a running change
- \*4 Only for vehicles without hybrid drive
- \*5 Only for vehicles with automatic headlamp range control from May 2012
- \*6
- \*7 only for vehicles with hybrid drive



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

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# Airbag control module, Data bus on board diagnostic interface



- J234 Airbag control module
- J533 Data bus on board diagnostic interface
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- T16 16-pin connector, on the diagnostic connector
- T17c 17-pin connector
- T17d 17-pin connector
- T17e 17-pin connector, red
- T20d 20-pin connector
- T100 100-pin connector
- U31 Diagnostic connection
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B159 Diagnostic connection (in interior wiring harness)
- B444 OBD connection 1 (in main wiring harness)
- \* Refer to applicable airbag wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 only for vehicles with hybrid drive
- \*4 Refer to applicable wiring diagram
- \*5 Refer to applicable wiring diagram for ring break diagnosis
- \*6 Diameter depends on equipment

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183B-0490504161

**Roof rack recognition**

from September 2008

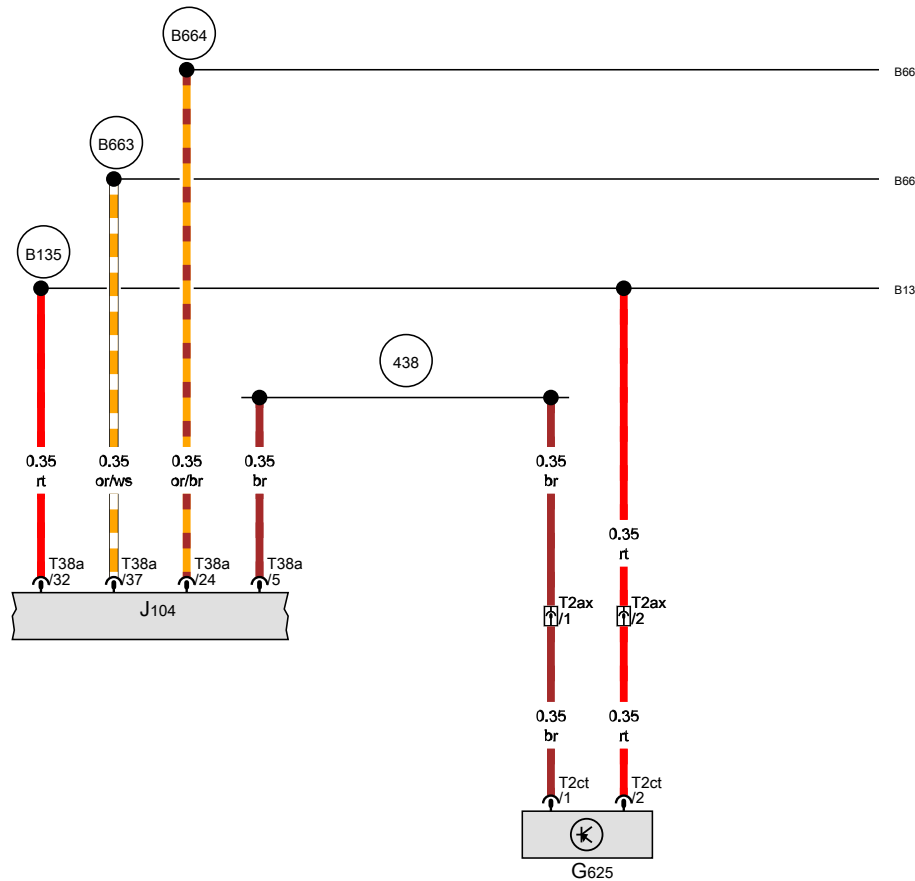


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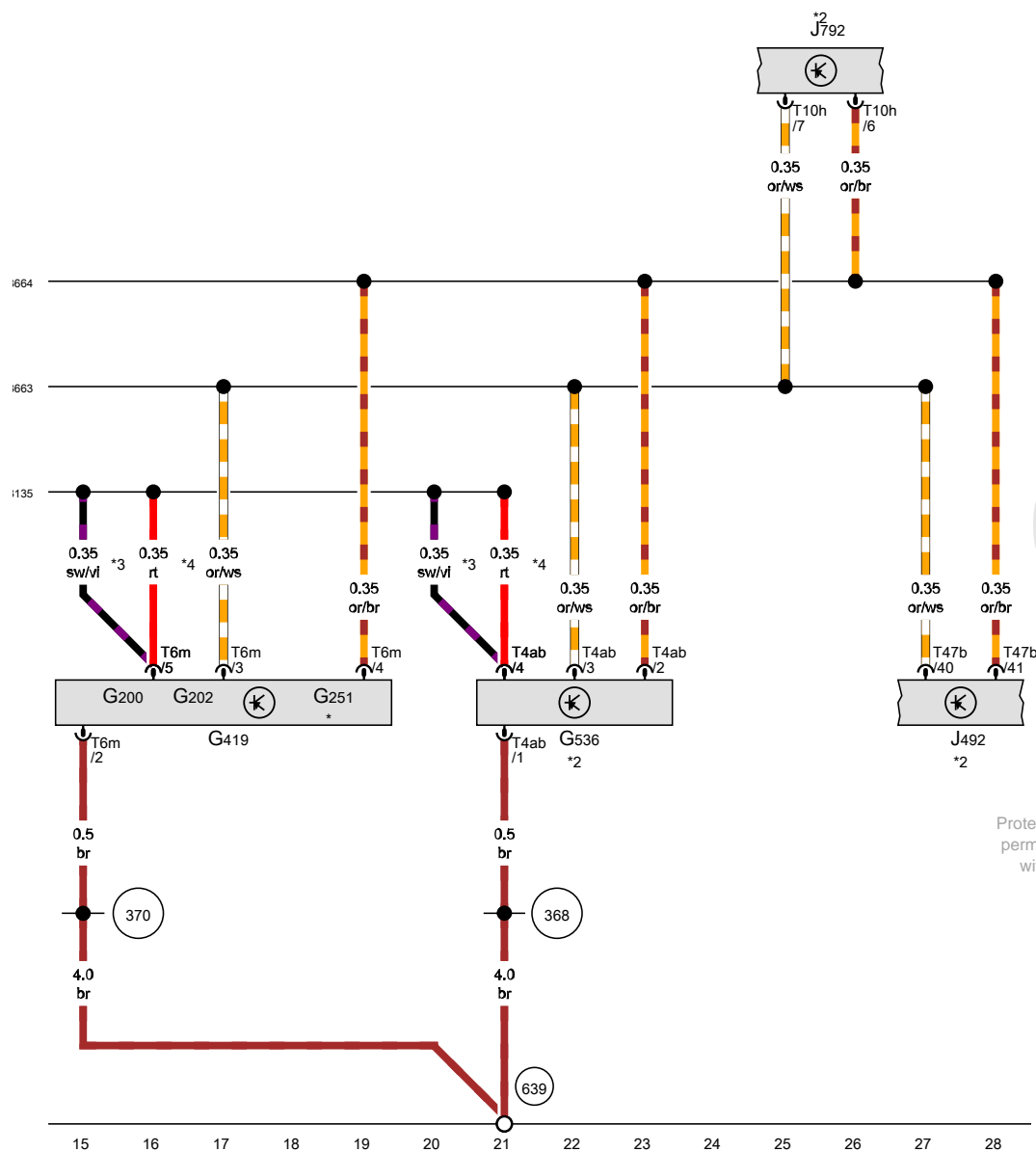


# Roof rack recognition sensor

- G625 Roof rack recognition sensor
- J104 ABS control module
- T2ax Double connector, near the left roof pillar
- T2ct Double connector
- T38a 38-pin connector
- 438 Ground connection 3 (in roof wiring harness)
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)



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## ESP sensor unit, ESP sensor unit 2

- G200 Transverse acceleration sensor
- G202 Rotation rate sensor
- G251 Longitudinal acceleration sensor
- G419 ESP sensor unit
- G536 ESP sensor unit 2
- J492 All wheel drive control module
- J792 Active steering control module
- T4ab 4-pin connector
- T6m 6-pin connector
- T10h 10-pin connector
- T47b 47-pin connector

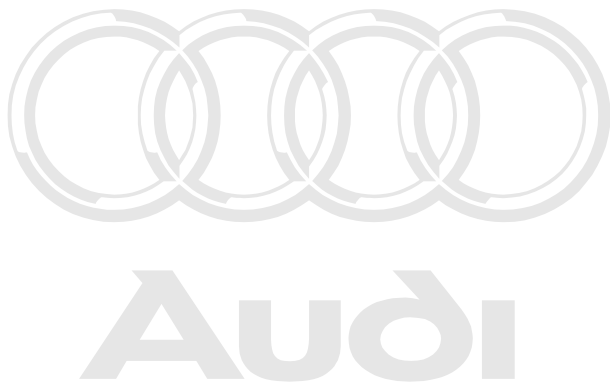
- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)

- \* Only for vehicles with all wheel drive
- \*2 Depending on equipment
- \*3 Omitted as a running change
- \*4 Running change

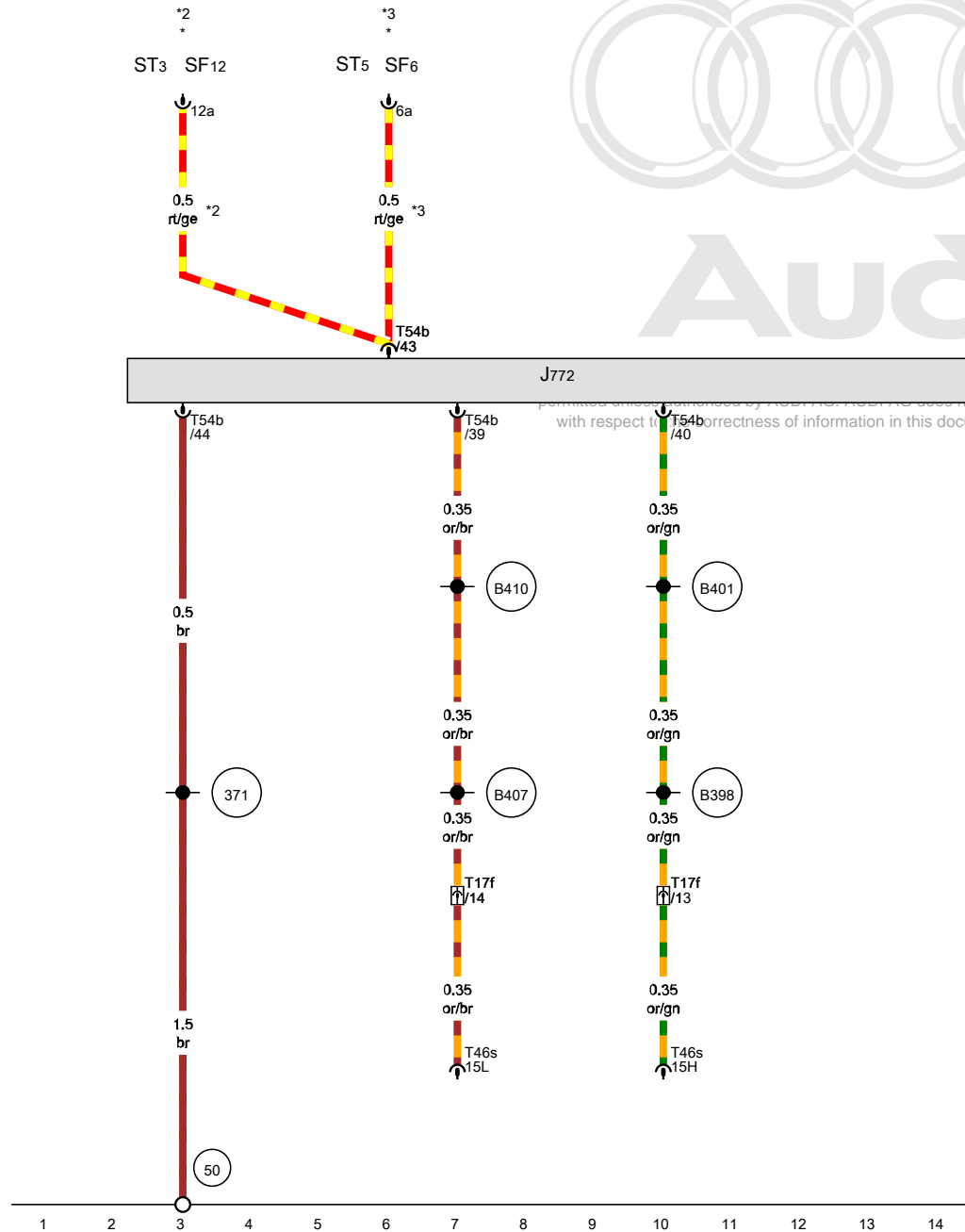
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**Rearview camera**  
from September 2008



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183B-0510211121

### Rearview camera system control module

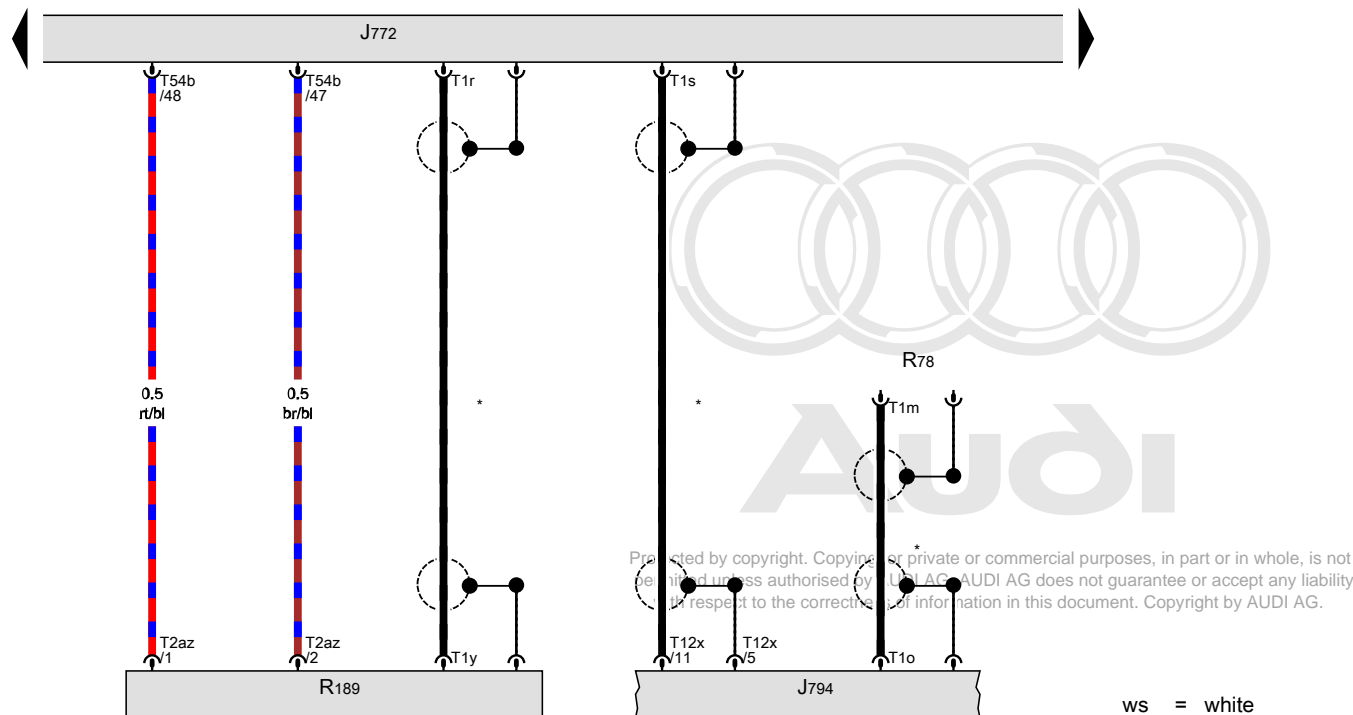
- J772 Rearview camera system control module
- ST3 Fuse panel 3
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T17f 17-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

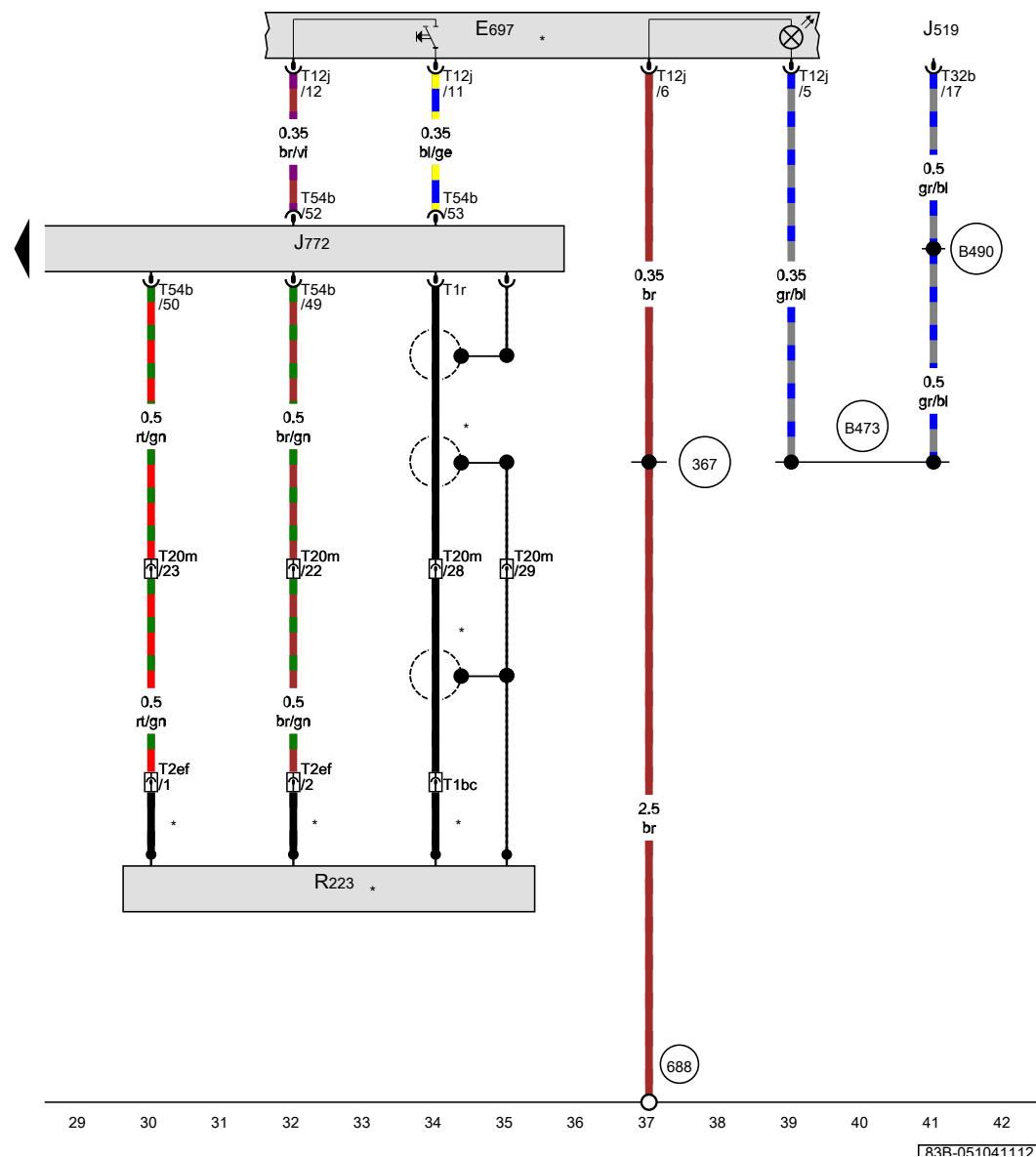
- 50 Ground connection in luggage compartment, left
- 371 Ground connection 6 (in main wiring harness)
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 through April 2009
- \*3 from May 2009

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Rearview camera system control module, Information electronics control module 1, Rearview camera

- J772 Rearview camera system control module
- J794 Information electronics control module 1
- R78 TV tuner
- R189 Rearview camera
- T1m Single connector
- T1o Single connector
- T1r Single connector
- T1s Single connector
- T1y Single connector
- T2az Double connector
- T12x 12-pin connector
- T54b 54-pin connector
- \* Only for vehicles with a rearview camera system





# Vehicle electrical system control module, Rearview camera system control module, Camera in exterior rearview mirror

- E697 Exterior rearview mirror camera button
- J519 Vehicle electrical system control module
- J772 Rearview camera system control module
- R223 Camera in exterior rearview mirror
- T1bc Single connector
- T1r Single connector
- T2ef Double connector
- T12j 12-pin connector
- T20m 20-pin connector
- T32b 32-pin connector
- T54b 54-pin connector

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367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

B473 Connection 9 (in main wiring harness)

B490 Connection 26 (in main wiring harness)

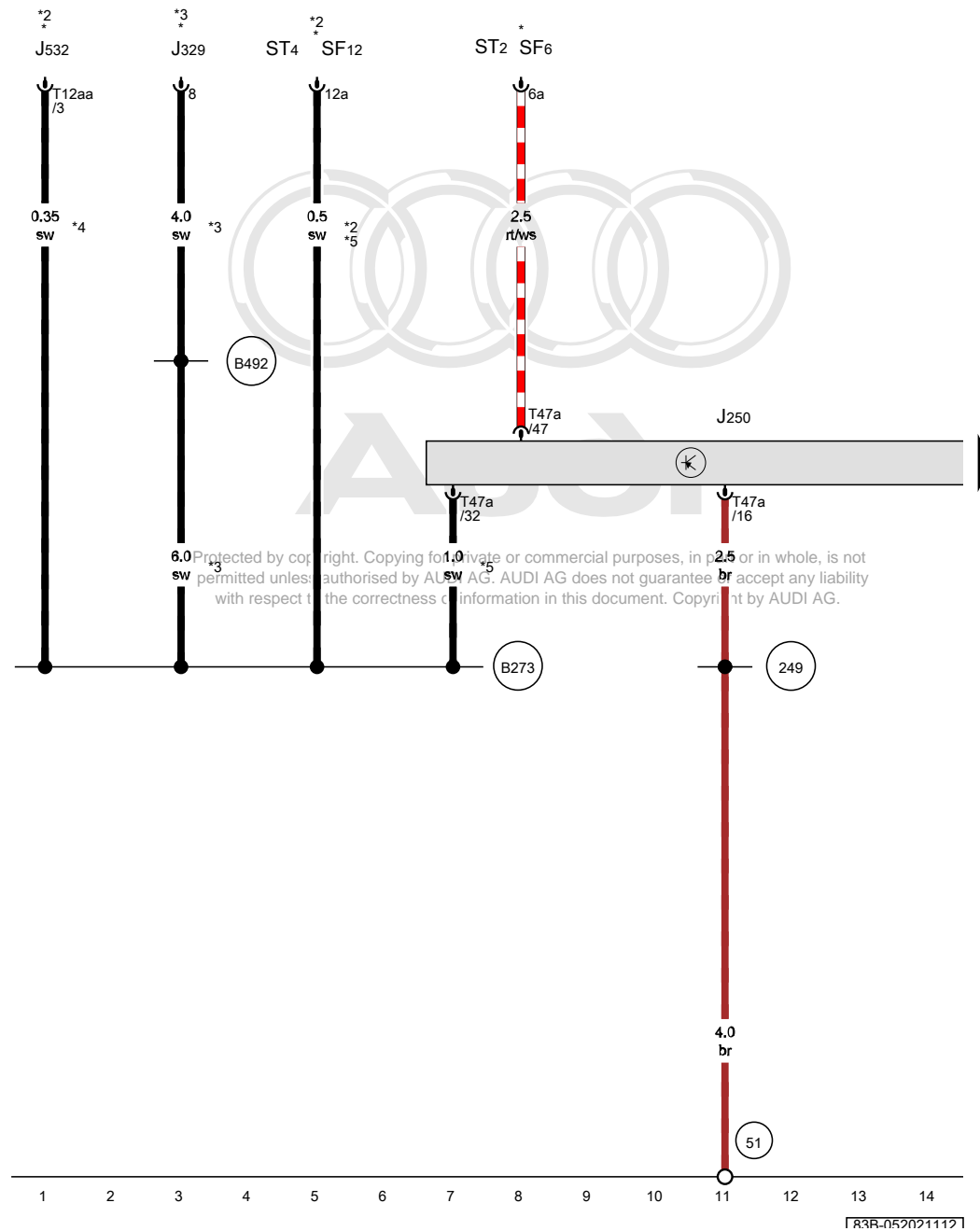
\* Only for vehicles with Japan equipment

**Level control system with dampening adjustment**

from September 2008



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## Electronic damping control module

J250 Electronic damping control module  
 J329 Terminal 15 power supply relay  
 J532 Voltage stabilizer  
 ST2 Fuse panel 2  
 ST4 Fuse panel 4  
 SF6 Fuse 6 (on fuse panel F)  
 SF12 Fuse 12 (on fuse panel F)  
 T12aa 12-pin connector  
 T47a 47-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B273 Positive connection (15) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)

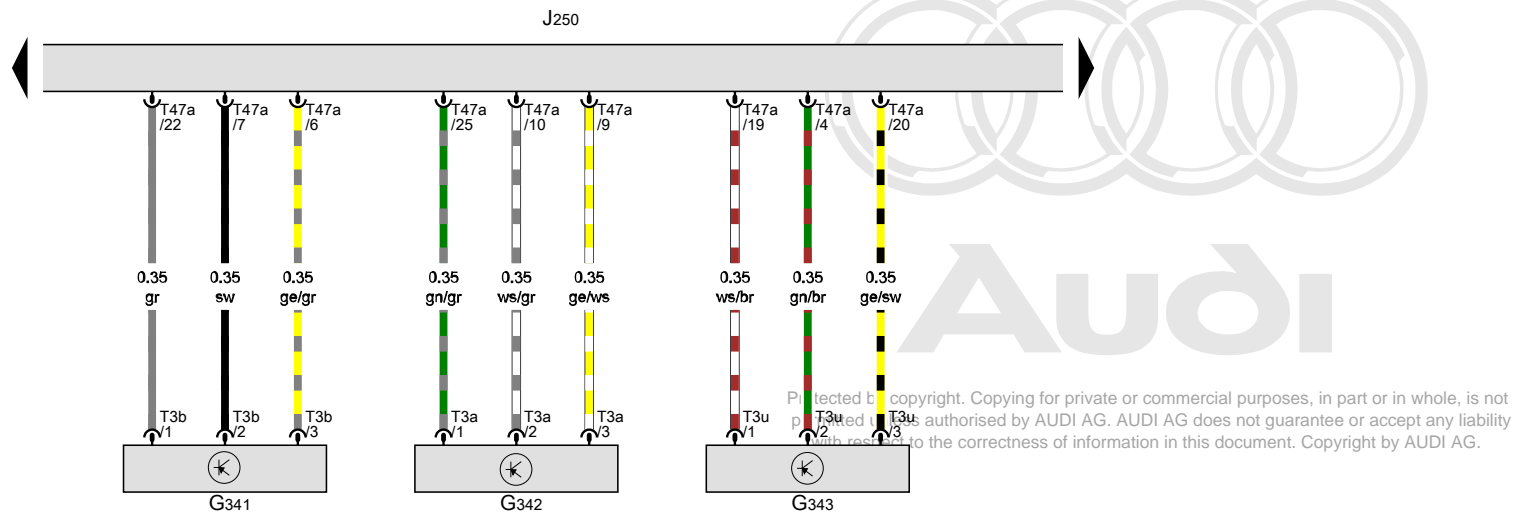
\* Refer to applicable wiring diagram for fuse positions  
 \*2 from May 2009  
 \*3 through April 2009  
 \*4 Only for vehicles with Stop/Start system  
 \*5 Diameter depends on equipment

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



Left front body acceleration sensor, Right front body acceleration sensor, Rear body acceleration sensor, Electronic damping control module

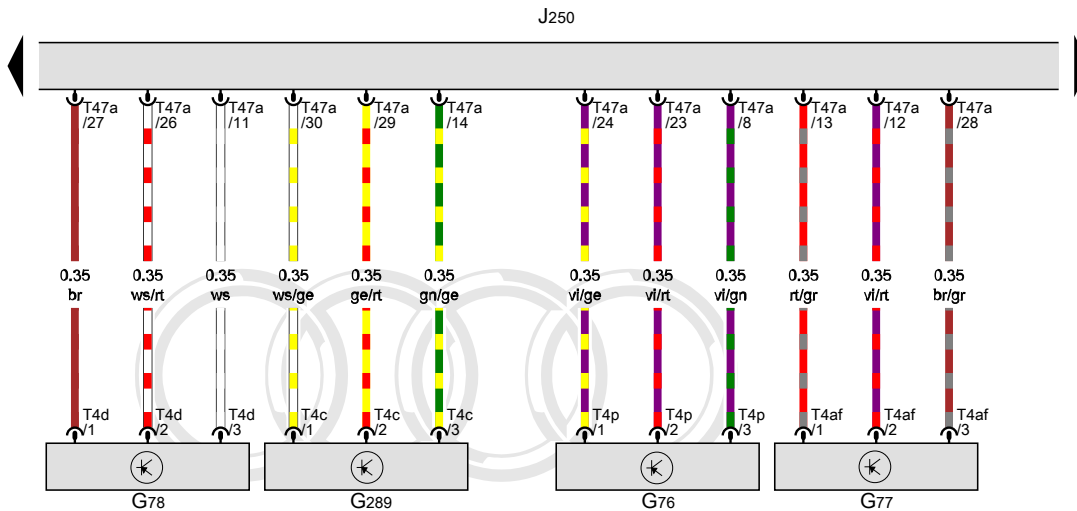
- G341 Left front body acceleration sensor
- G342 Right front body acceleration sensor
- G343 Rear body acceleration sensor
- J250 Electronic damping control module
- T3a 3-pin connector
- T3b 3-pin connector
- T3u 3-pin connector
- T47a 47-pin connector



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- or = orange
- rs = pink

Left rear level control system sensor, Right rear level control system sensor, Left front level control system sensor, Right front level control sensor, Electronic damping control module

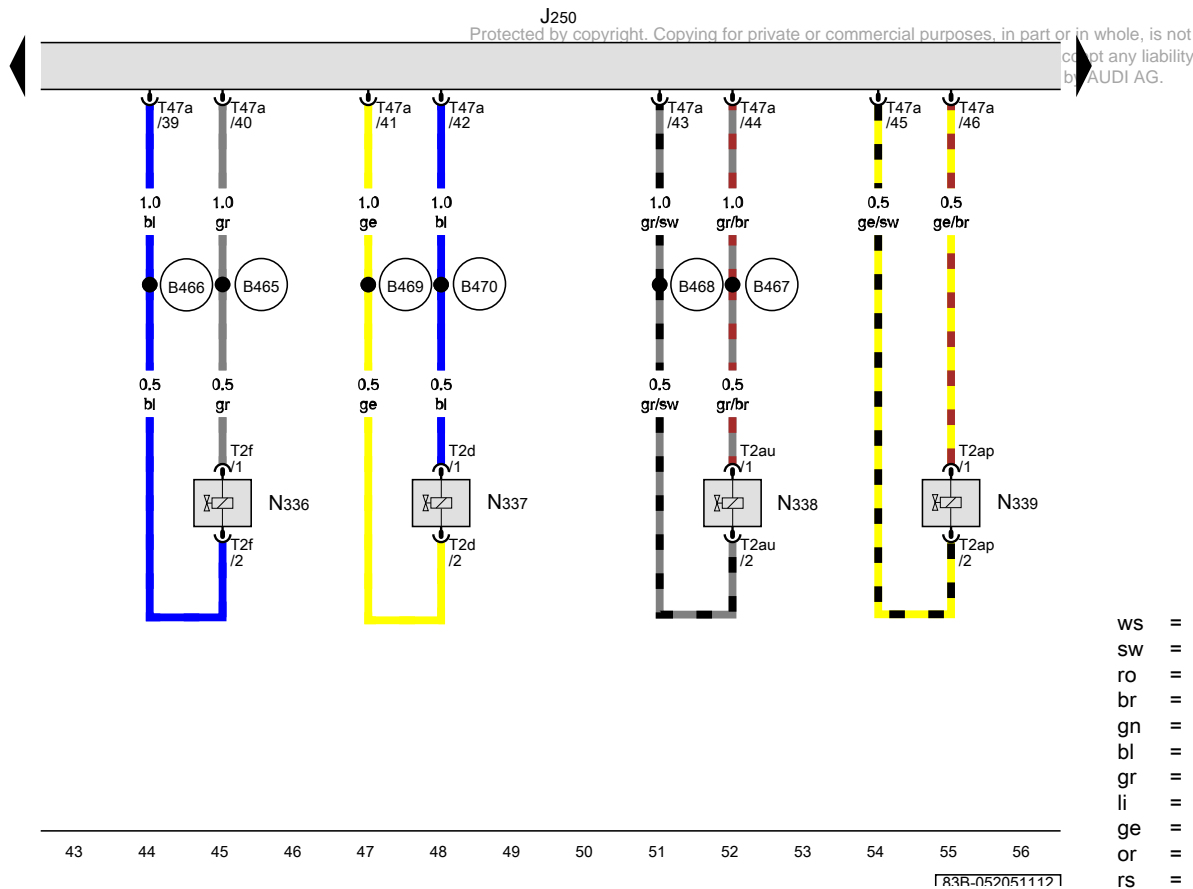
- G76 Left rear level control system sensor
- G77 Right rear level control system sensor
- G78 Left front level control system sensor
- G289 Right front level control sensor
- J250 Electronic damping control module
- T4af 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T4p 4-pin connector
- T47a 47-pin connector



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Electronic damping control module, Left front damping adjustment valve, Right front damping adjustment valve, Left rear damping adjustment valve, Right rear damping adjustment valve

- J250 Electronic damping control module
- N336 Left front damping adjustment valve
- N337 Right front damping adjustment valve
- N338 Left rear damping adjustment valve
- N339 Right rear damping adjustment valve
- T2ap Double connector
- T2au Double connector
- T2d Double connector
- T2f Double connector
- T47a 47-pin connector

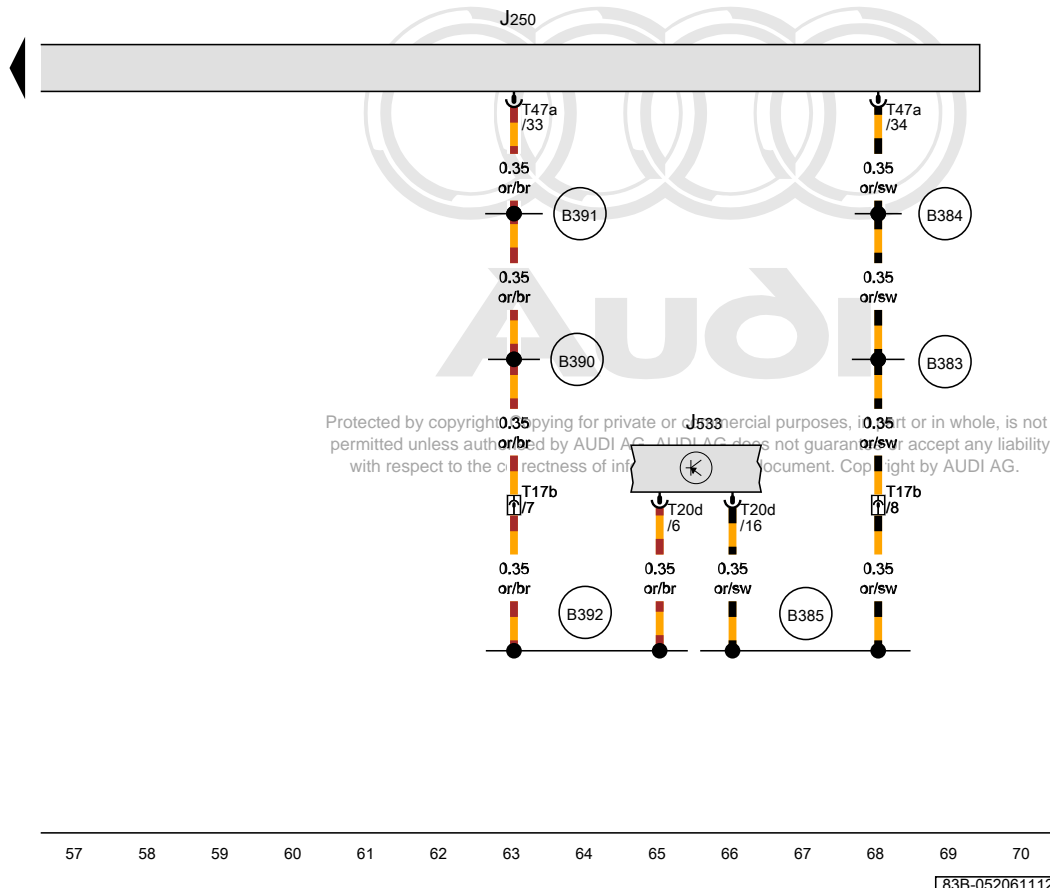
- B465 Connection 1 (in main wiring harness)
- B466 Connection 2 (in main wiring harness)
- B467 Connection 3 (in main wiring harness)
- B468 Connection 4 (in main wiring harness)
- B469 Connection 5 (in main wiring harness)
- B470 Connection 6 (in main wiring harness)

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- gn = green
- bl = blue
- gr = grey
- li = lilac
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Electronic damping control module, Data bus on board diagnostic interface

- J250 Electronic damping control module
- J533 Data bus on board diagnostic interface
- T17b 17-pin connector, blue
- T20d 20-pin connector
- T47a 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)
- B385 Powertrain CAN bus high connection 3 (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)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)



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Driving profile selection switch module, Vehicle electrical system control module, Data bus on board diagnostic interface

- E592 Driving profile selection switch module
- E593 Driving profile selection switch module button 1
- E594 Driving profile selection switch module button 2
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- T3m 3-pin connector
- T16b 16-pin connector
- T17d 17-pin connector, brown
- T17f 17-pin connector, brown
- T20d 20-pin connector
- T46i 46-pin connector
- T46s 46-pin connector

81 Ground connection 1 (in instrument panel wiring harness)

367 Ground connection 2 (in main wiring harness)

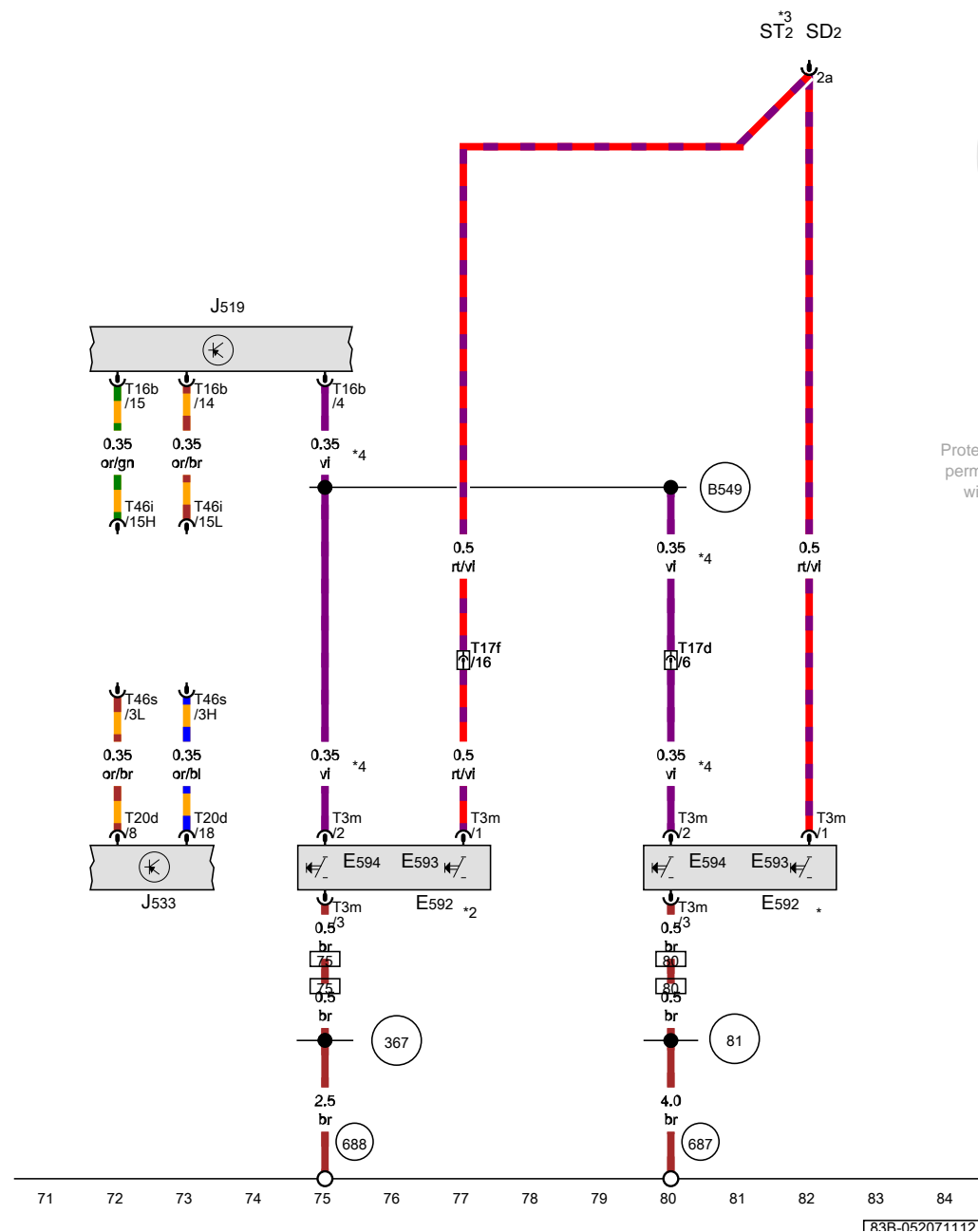
687 Ground connection 1 on center tunnel

688 Ground connection 2 on center tunnel

B549 LIN bus connection 2 (in main wiring harness)

- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 The color of the wires depends on vehicle equipment

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



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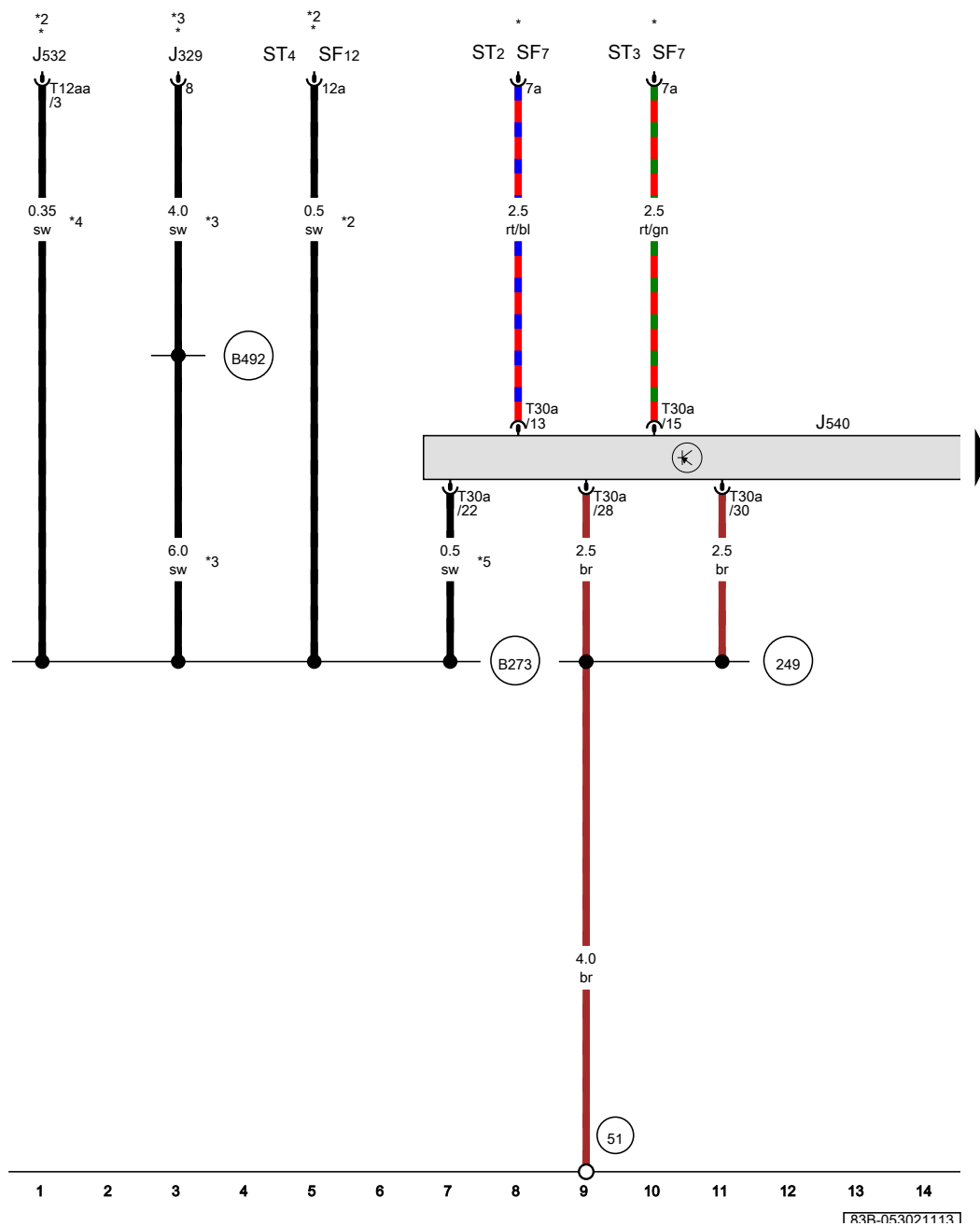
## Electromechanical parking brake

from September 2008



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# Electromechanical parking brake control module

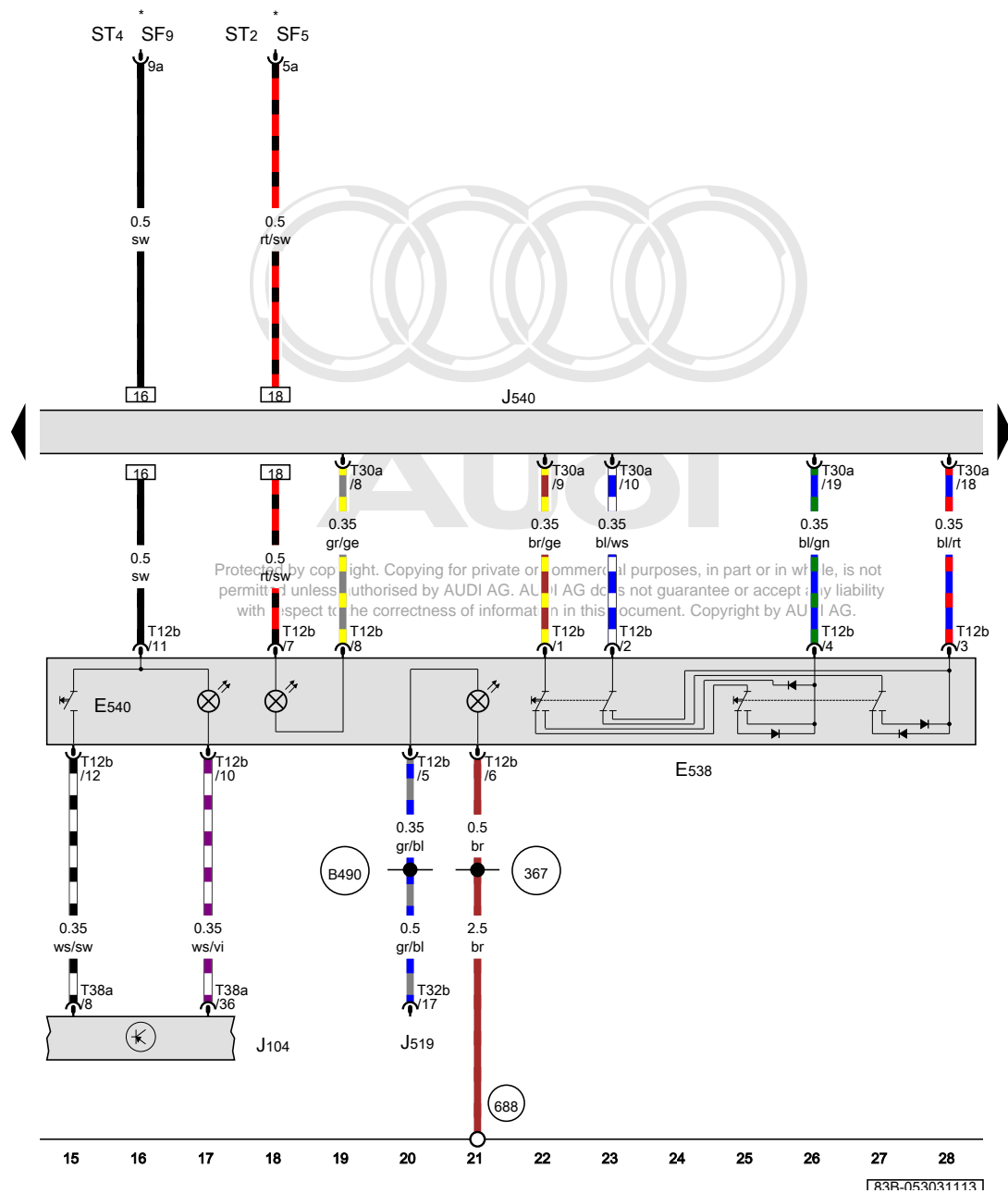


- J329 Terminal 15 power supply relay
- J532 Voltage stabilizer
- J540 Electromechanical parking brake control module
- ST2 Fuse panel 2
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SF7 Fuse 7 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12aa 12-pin connector
- T30a 30-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B273 Positive connection (15) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable wiring diagram for fuse positions from May 2009
- \*2 through April 2009
- \*4 Only for vehicles with Stop/Start system
- \*5 Diameter depends on equipment

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# Electromechanical parking brake button, -AUTO HOLD- button, ABS control module, Electromechanical parking brake control module

- E538 Electromechanical parking brake button
- E540 -AUTO HOLD- button
- J104 ABS control module
- J519 Vehicle electrical system control module
- J540 Electromechanical parking brake control module
- ST2 Fuse panel 2
- ST4 Fuse panel 4
- SF5 Fuse 5 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- T12b 12-pin connector
- T30a 30-pin connector
- T32b 32-pin connector
- T38a 38-pin connector

367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

B490 Connection 26 (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions

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- br = brown
- gn = green
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- li = lilac
- vi = lilac
- ge = yellow
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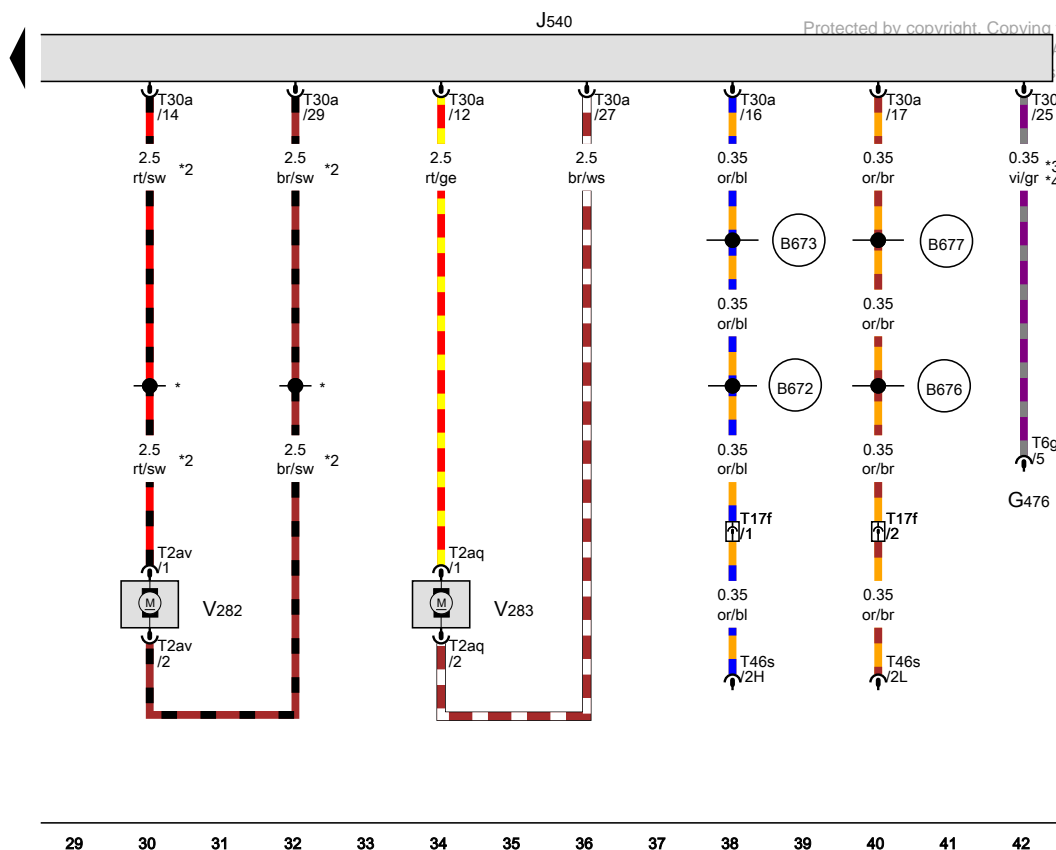


Electromechanical parking brake control module, Left parking brake motor, Right parking brake motor, Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness), Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- T2aq Double connector
- T2av Double connector
- T6g 6-pin connector
- T17f 17-pin connector, brown
- T30a 30-pin connector
- T46s 46-pin connector
- V282 Left parking brake motor
- V283 Right parking brake motor

- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- \* If available
- \*2 4.0 diameter possible
- \*3 Only for vehicles with a manual transmission
- \*4 Refer to applicable engine wiring diagram



183B-053041113



### Multimedia system preparation

from September 2008

# Audi

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### Double connector

- ST1 Fuse panel 1
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T2da Double connector, blue
- T2db Double connector, blue
- T2dy Double connector, in the driver seat backrest
- T2dz Double connector, in the front passenger seat backrest

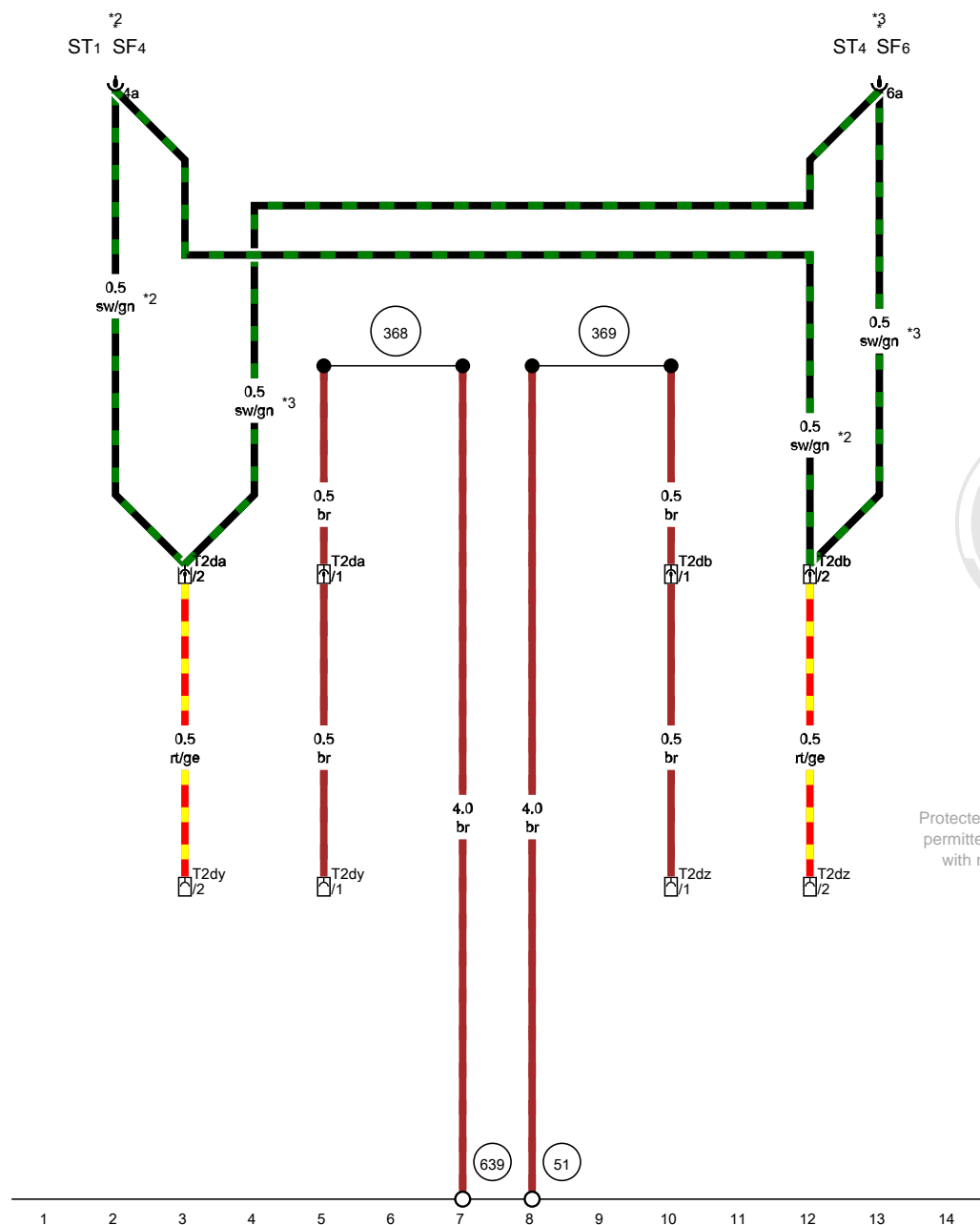
51 Ground connection in luggage compartment, right

368 Ground connection 3 (in main wiring harness)

369 Ground connection 4 (in main wiring harness)

639 Ground connection on left A-pillar

\* Refer to applicable wiring diagram for fuse positions through April 2009  
 \*2 from May 2009  
 \*3



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**Lane assist**  
from September 2008



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Data bus on board diagnostic interface, Directional stabilization assistance control module

- J533 Data bus on board diagnostic interface
- J759 Directional stabilization assistance control module
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- SC4 Fuse 4 (on fuse panel C)
- T10f 10-pin connector
- T12f 12-pin connector, near the glove compartment
- T12h 12-pin connector
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T20d 20-pin connector

B108 CAN bus extended high connection 1 (in main wiring harness)

B109 CAN bus extended low connection 1 (in main wiring harness)

B665 CAN bus extended high connection 1 (in instrument panel wiring harness)

B666 CAN bus extended low connection 1 (in instrument panel wiring harness)

B668 CAN bus extended high connection 2 (in main wiring harness)

B669 CAN bus extended low connection 2 (in main wiring harness)

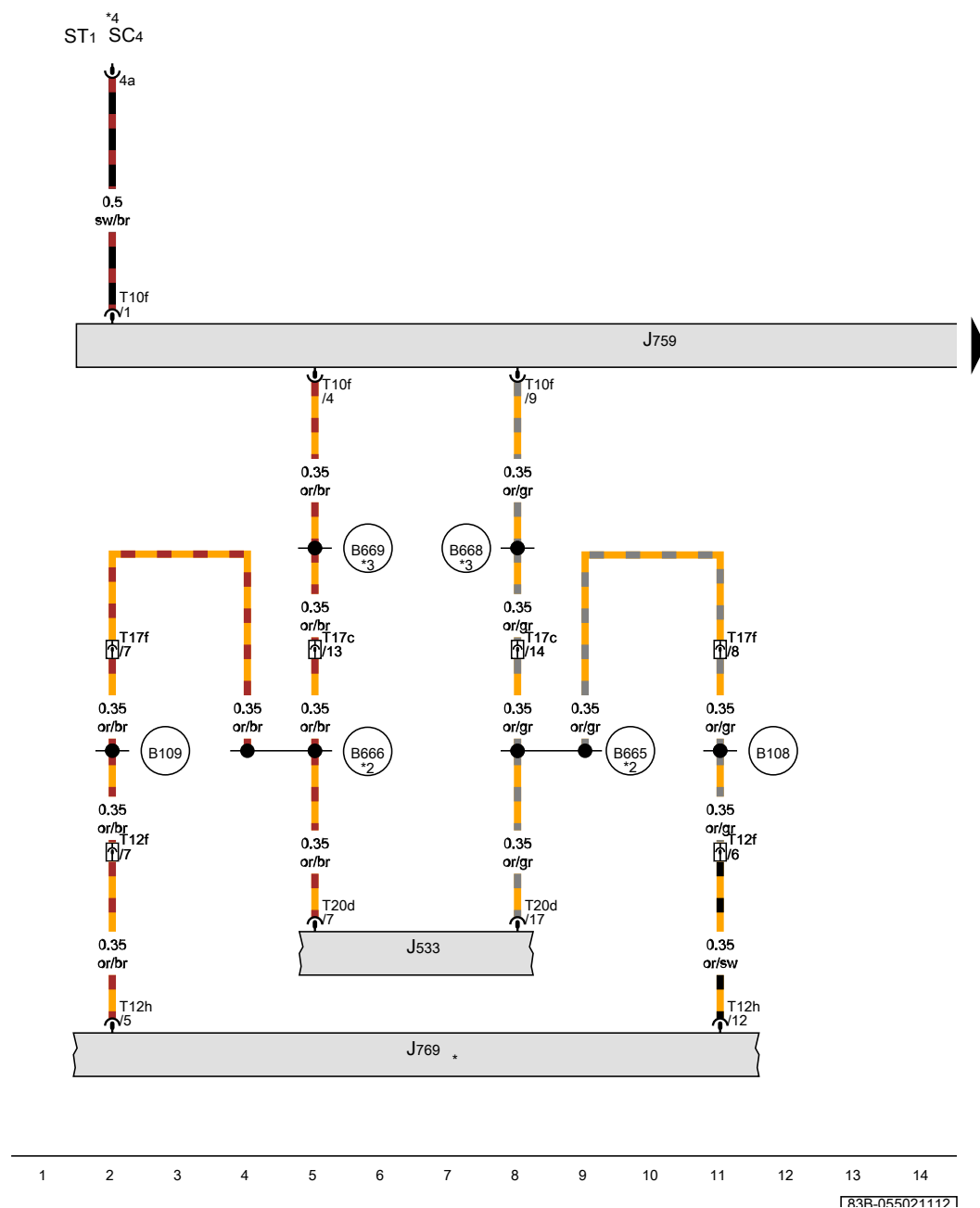
\* Refer to applicable lane assist wiring diagram

\*2 Only for vehicles with lane assist

\*3 If available

\*4 Refer to applicable wiring diagram for fuse positions

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



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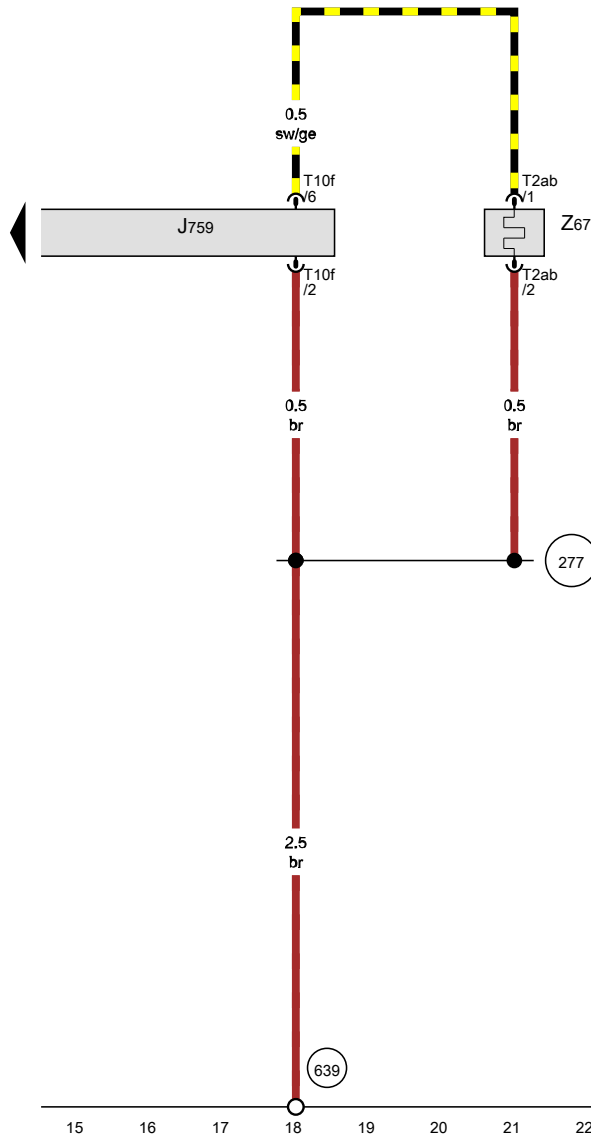


Directional stabilization assistance control module,  
Directional stabilization assistance windshield defogger

- J759 Directional stabilization assistance control module
- T2ab Double connector
- T10f 10-pin connector
- Z67 Directional stabilization assistance windshield defogger

277 Ground connection 3 (in interior wiring harness)

639 Ground connection on left A-pillar

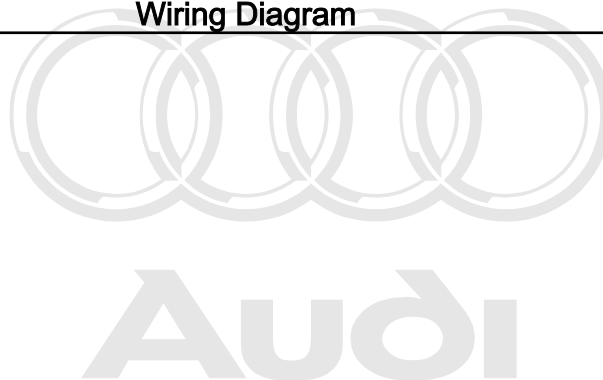


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**Lane change assistance**  
from September 2008

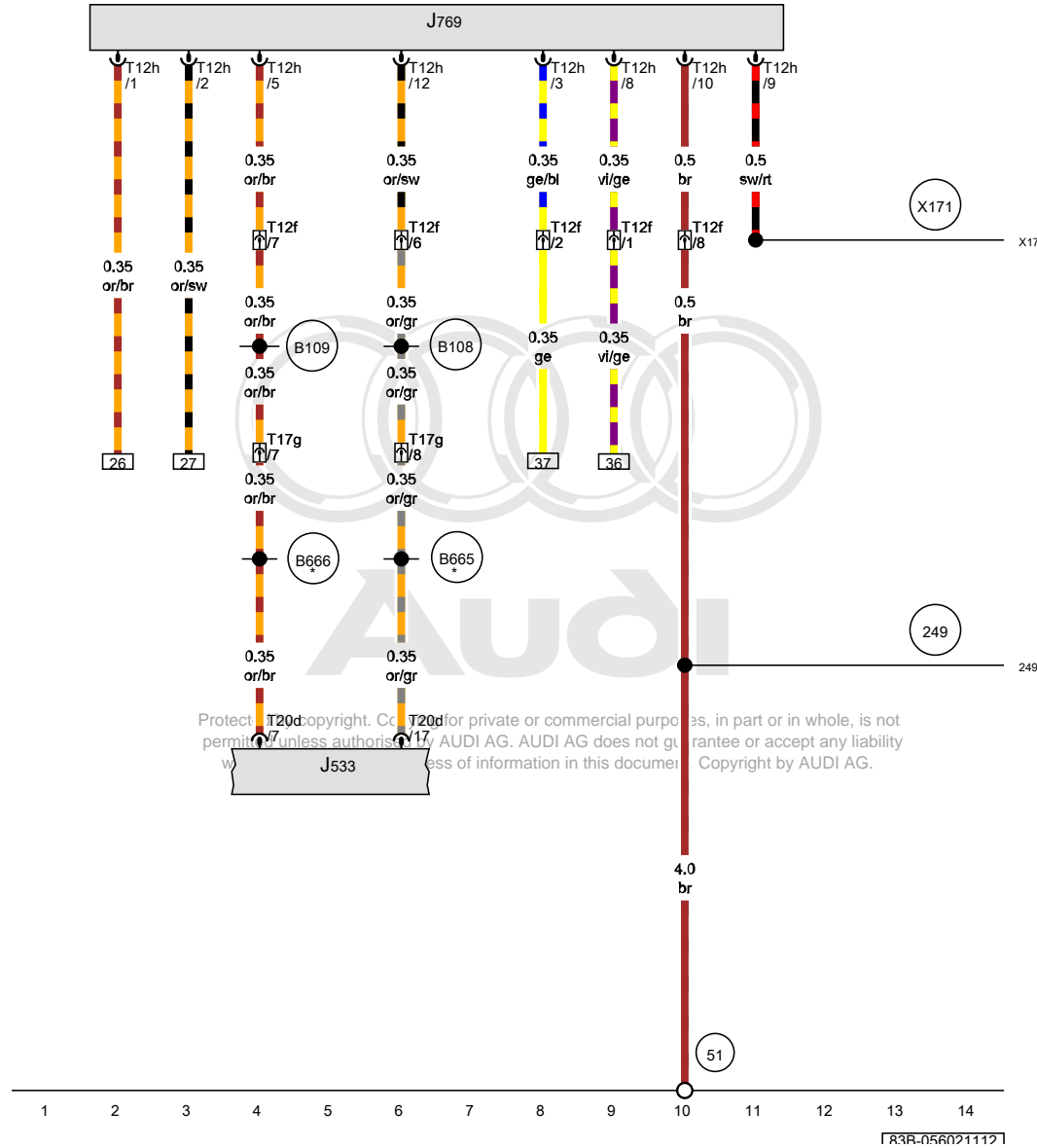


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### Lane change assistance control module

- J533 Data bus on board diagnostic interface
- J769 Lane change assistance control module
- T12f 12-pin connector, near the glove compartment
- T12h 12-pin connector
- T17g 17-pin connector, black
- T20d 20-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- X171 Connection 15 (in rear bumper wiring harness)
- \* Only for vehicles with lane assist



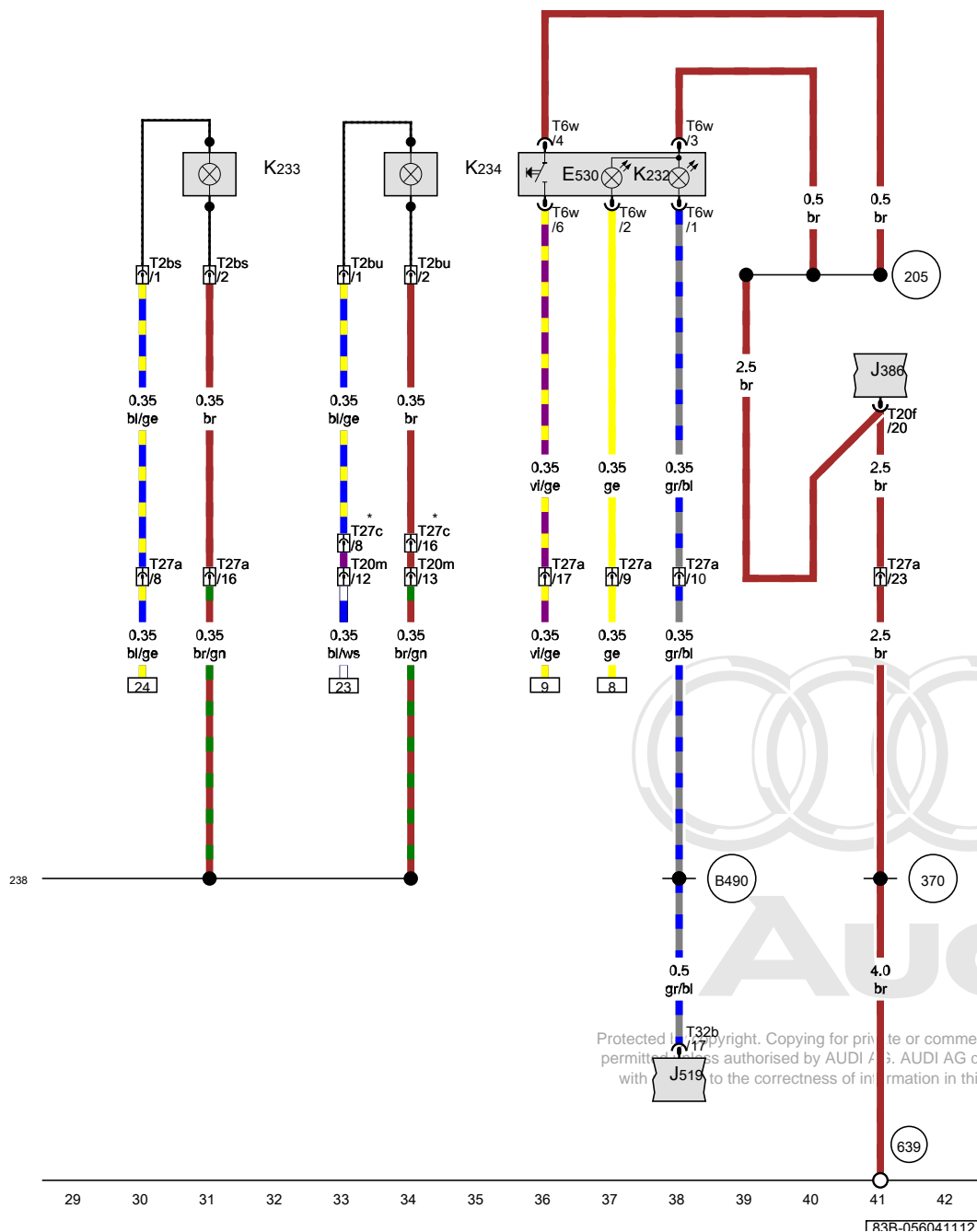




J770	Lane change assistance control module 2
ST4	Fuse panel 4
SF10	Fuse 10 (on fuse panel F)
T12f	12-pin connector, near the glove compartment
T12i	12-pin connector

- (X171) Connection 15 (in rear bumper wiring harness)

\* Refer to applicable wiring diagram for fuse positions



Lane change assistance button, Lane change assistance warning lamp in driver exterior rearview mirror, Lane change assistance warning lamp in front passenger exterior rearview mirror

- E530 Lane change assistance button
- J386 Driver door control module
- J519 Vehicle electrical system control module
- K232 Lane change assistance indicator lamp
- K233 Lane change assistance warning lamp in driver exterior rearview mirror
- K234 Lane change assistance warning lamp in front passenger exterior rearview mirror
- T2bs Double connector
- T2bu Double connector
- T6w 6-pin connector
- T20f 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- T32b 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 238 Ground connection 1 (in interior wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B490 Connection 26 (in main wiring harness)
- \* Omitted as a running change

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**Adaptive cruise control**  
from September 2008



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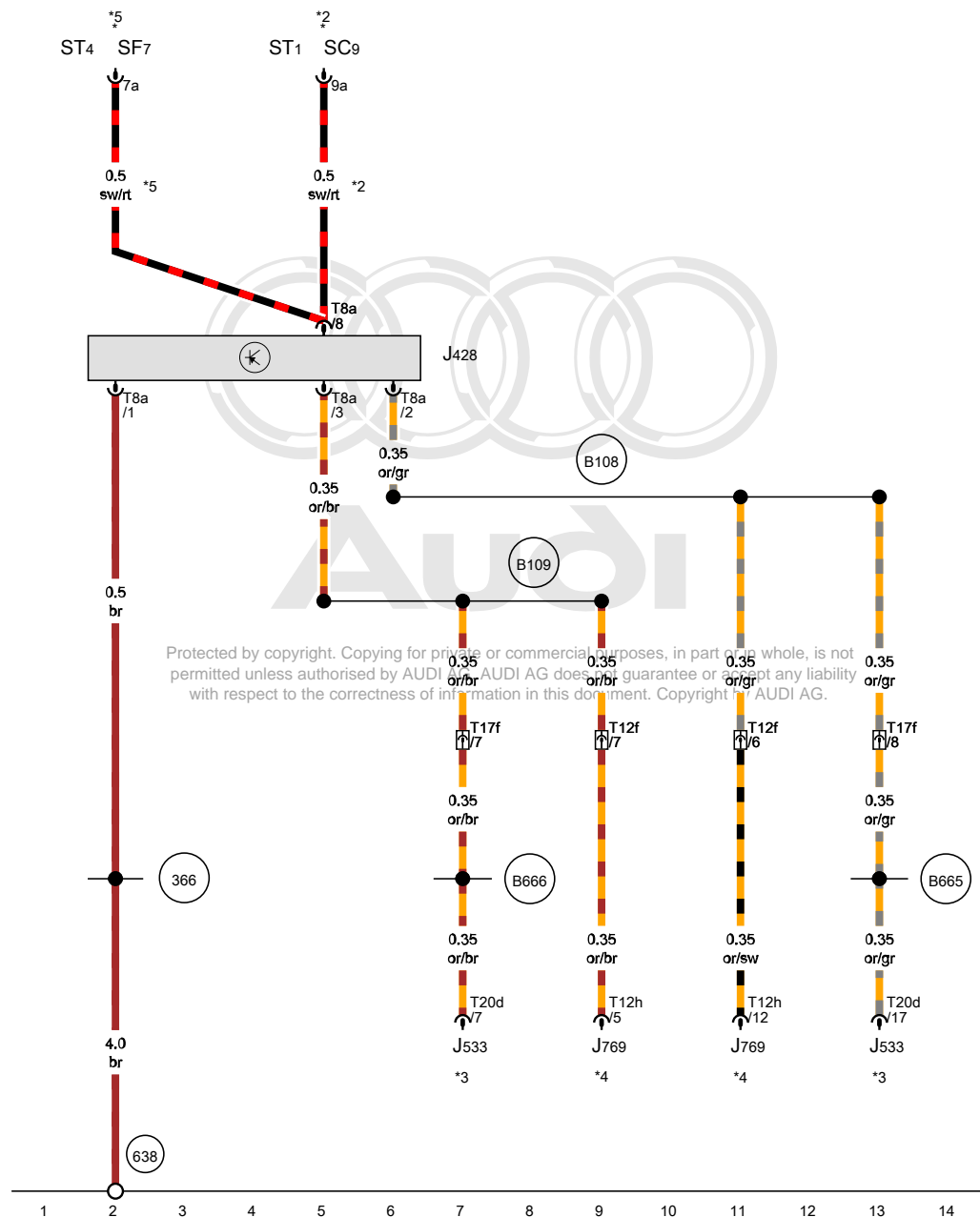
# Distance regulation control module

- J428 Distance regulation control module
- J533 Data bus on board diagnostic interface
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- ST4 Fuse panel 4
- SF7 Fuse 7 (on fuse panel F)
- SC9 Fuse 9 (on fuse panel C)
- T8a 8-pin connector
- T12f 12-pin connector, near the glove compartment
- T12h 12-pin connector
- T17f 17-pin connector, brown
- T20d 20-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 Refer to applicable wiring diagram
- \*4 Refer to applicable lane assist wiring diagram
- \*5 through April 2009

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



183R-0570211121

**Tire pressure monitoring**  
from September 2008



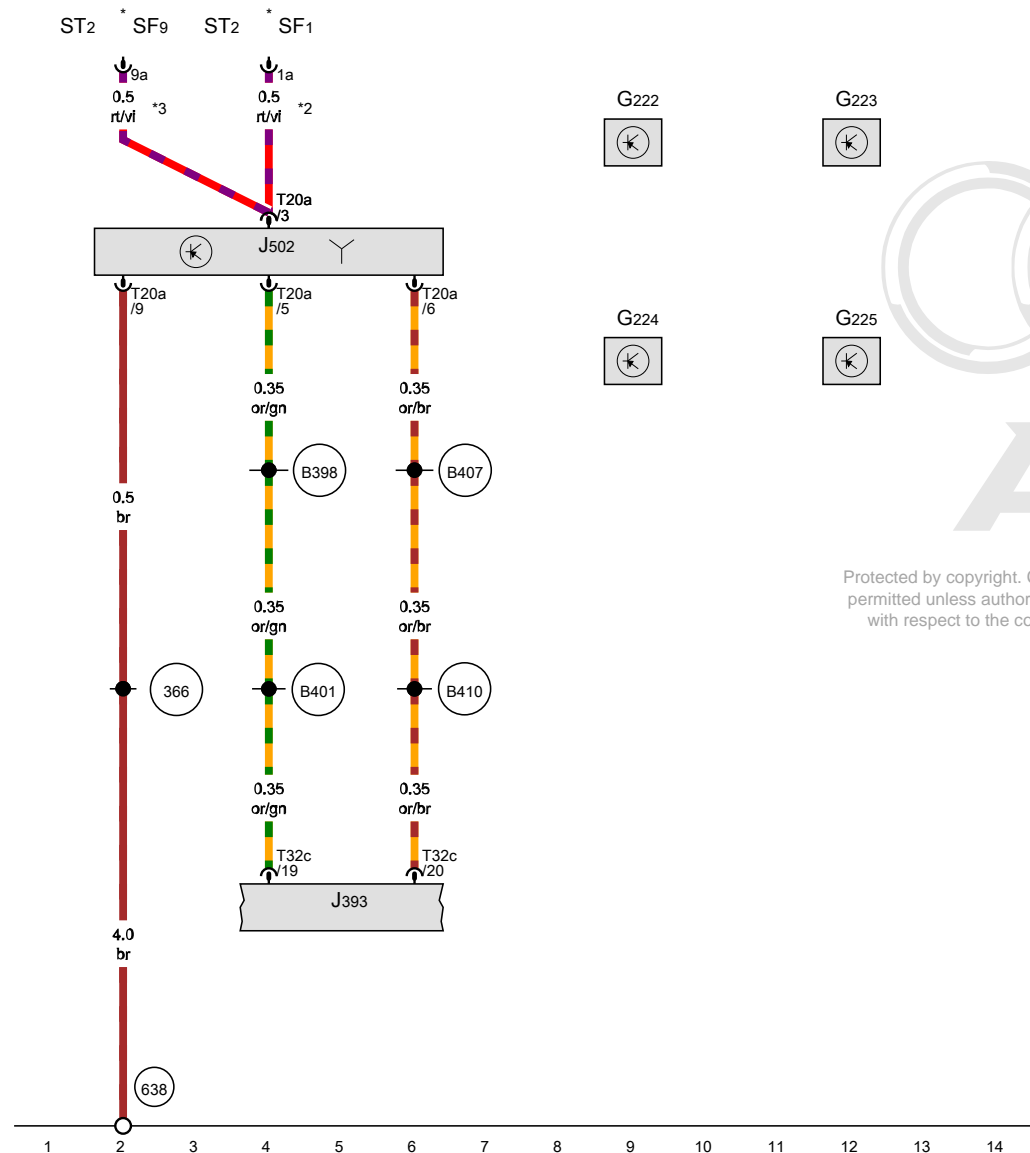
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### Tire pressure monitoring control module

- 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
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- SF1 Fuse 1 (on fuse panel F)
- ST2 Fuse panel 2
- SF9 Fuse 9 (on fuse panel F)
- T20a 20-pin connector
- T32c 32-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Omitted as a running change
- \*3 Running change



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183B-0580211121

**Interior rearview mirror without humidity sensor and high beam assist**  
from September 2008



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# Automatic dimming interior rearview mirror

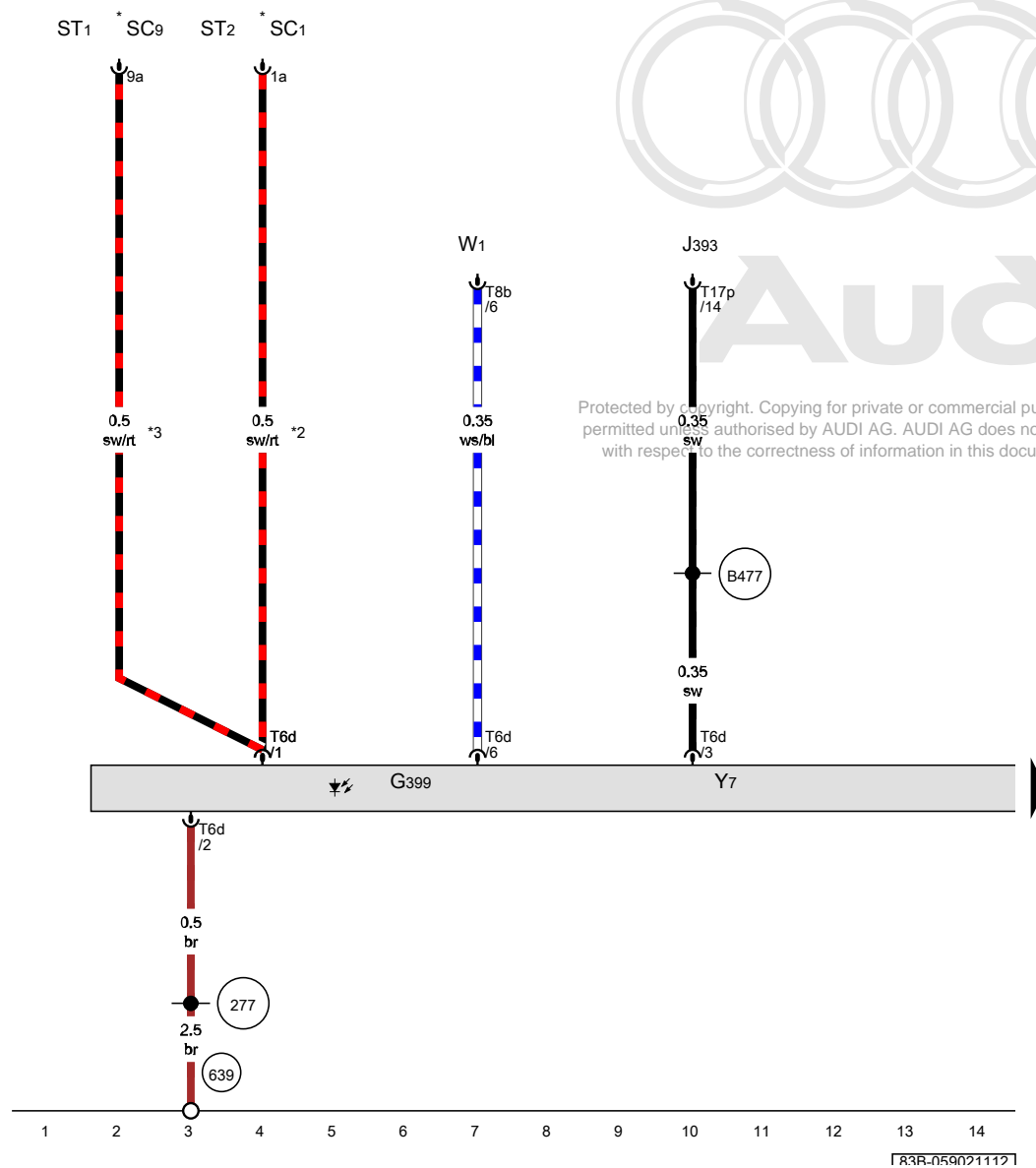
- G399 Light recognition sensor
- J393 Comfort system central control module
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC9 Fuse 9 (on fuse panel C)
- T6d 6-pin connector
- T8b 8-pin connector
- T17p 17-pin connector
- W1 Front interior lamp
- Y7 Automatic dimming interior rearview mirror

277 Ground connection 3 (in interior wiring harness)

639 Ground connection on left A-pillar

B477 Connection 13 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 from May 2009
- \*3 through April 2009





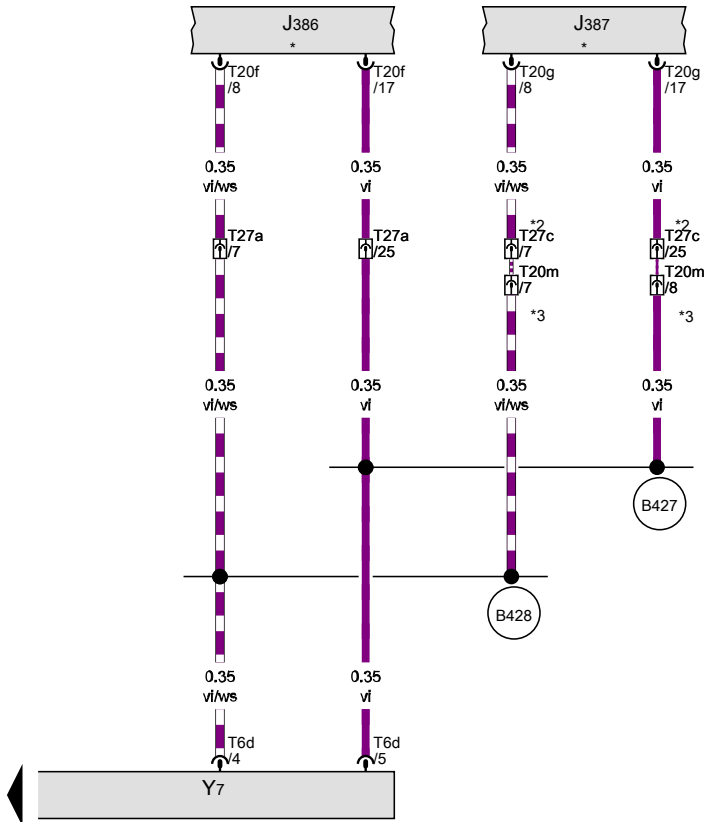
Driver door control module, Front passenger door control module, Automatic dimming interior rearview mirror

- J386 Driver door control module
- J387 Front passenger door control module
- T6d 6-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- Y7 Automatic dimming interior rearview mirror

B427 Mirror auto-dimming signal connection 1 (in main wiring harness)

B428 Mirror auto-dimming signal connection 2 (in main wiring harness)

- \* Only for vehicles with automatic dimming exterior rearview mirror
- \*2 Omitted as a running change
- \*3 Running change



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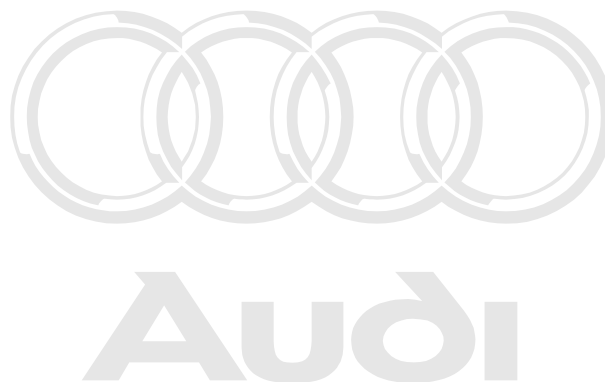
- ws = white
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- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

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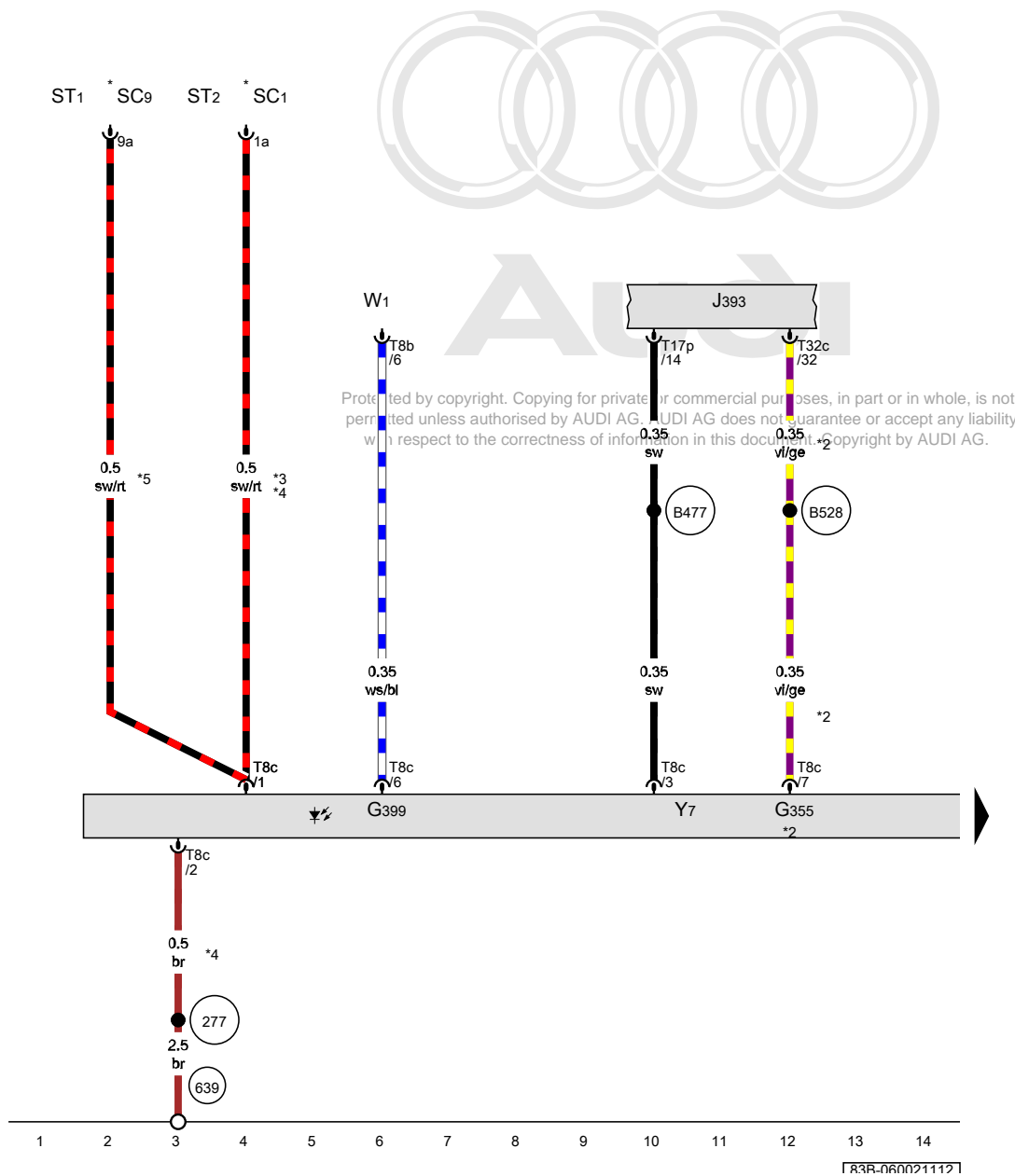
**Interior rearview mirror with humidity sensor and without high beam assist**

from September 2008



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Humidity sensor, Automatic dimming interior rearview mirror



- G355 Humidity sensor
- G399 Light recognition sensor
- J393 Comfort system central control module
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC9 Fuse 9 (on fuse panel C)
- T8b 8-pin connector
- T8c 8-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W1 Front interior lamp
- Y7 Automatic dimming interior rearview mirror

- 277 Ground connection 3 (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B477 Connection 13 (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with a humidity sensor from May 2009
- \*3 Diameter depends on equipment
- \*5 through April 2009

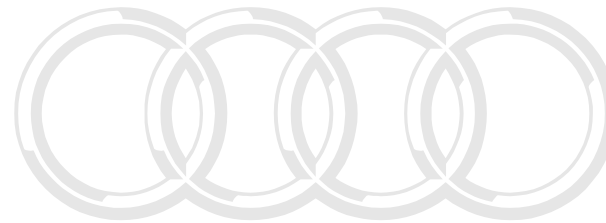
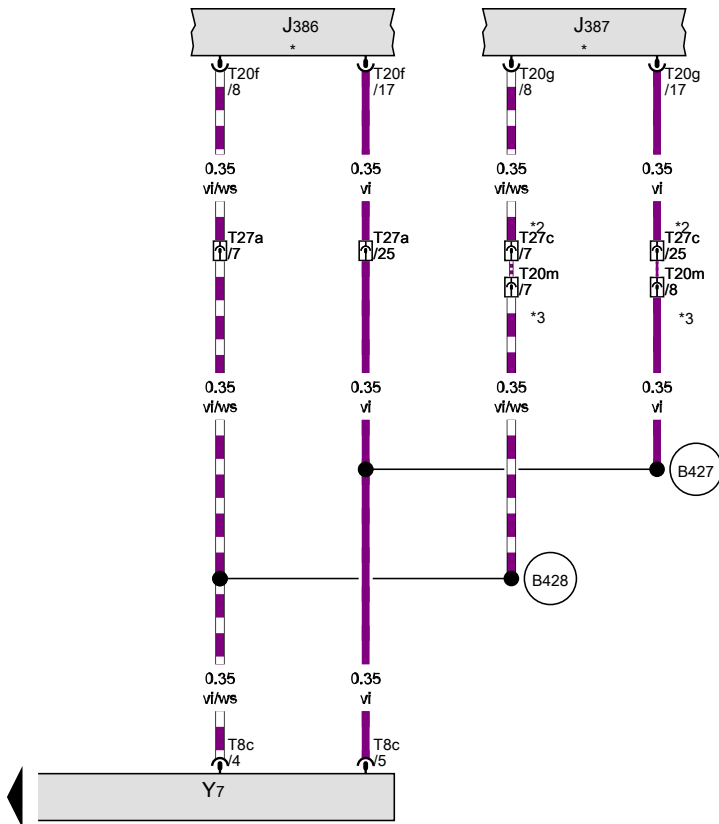
Driver door control module, Front passenger door control module, Automatic dimming interior rearview mirror

- J386 Driver door control module
- J387 Front passenger door control module
- T8c 8-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- Y7 Automatic dimming interior rearview mirror

B427 Mirror auto-dimming signal connection 1 (in main wiring harness)

B428 Mirror auto-dimming signal connection 2 (in main wiring harness)

- \* Only for vehicles with automatic dimming exterior rearview mirror
- \*2 Omitted as a running change
- \*3 Running change



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

183B-0600311121

**Interior rearview mirror with humidity sensor and high beam assist**

from September 2008



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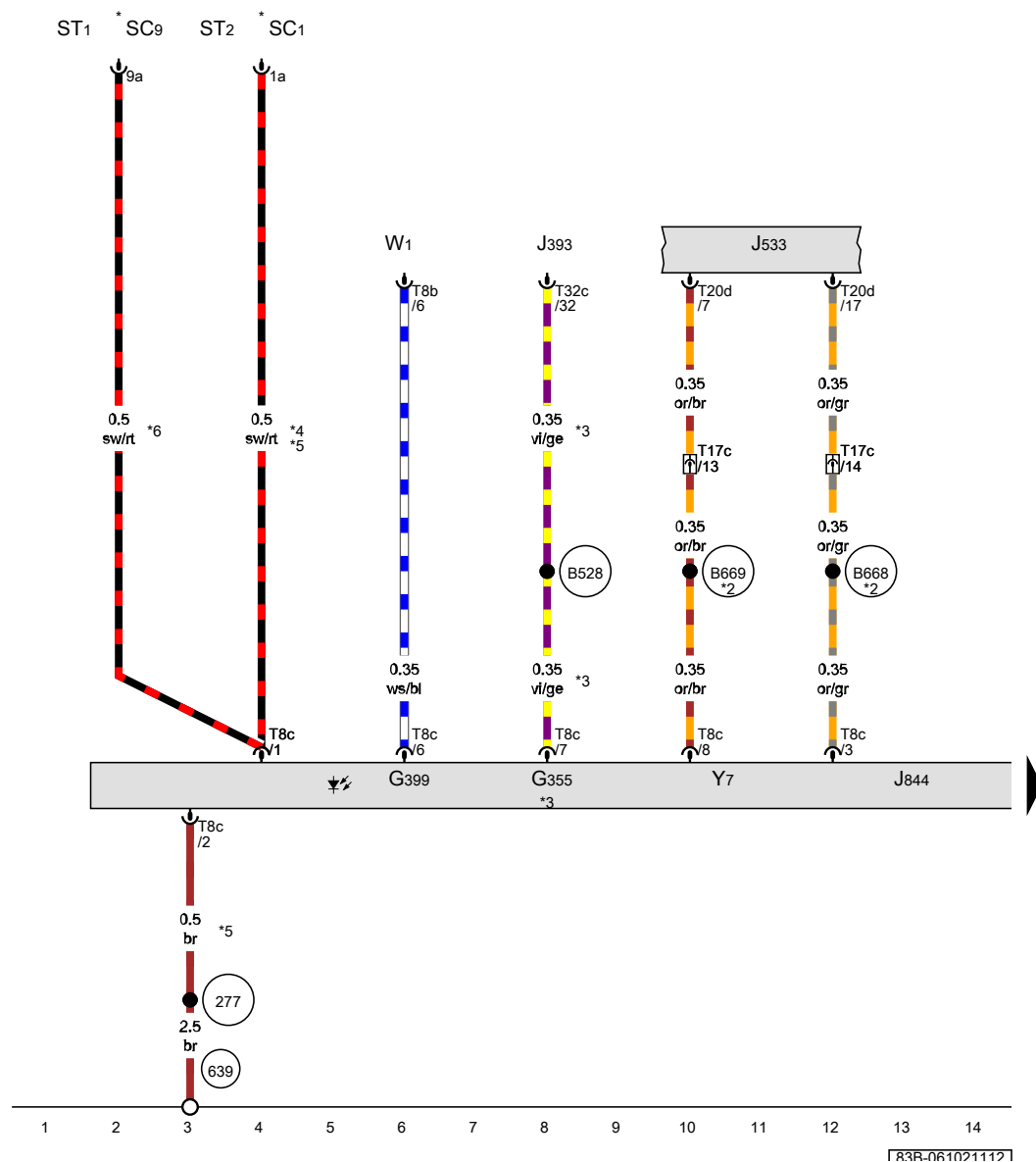
Humidity sensor, Automatic dimming interior rearview mirror

- G355 Humidity sensor
- G399 Light recognition sensor
- J393 Comfort system central control module
- J533 Data bus on board diagnostic interface
- J844 Automatic high beam assist control module
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC9 Fuse 9 (on fuse panel C)
- T8b 8-pin connector
- T8c 8-pin connector
- T17c 17-pin connector, black
- T20d 20-pin connector
- T32c 32-pin connector
- W1 Front interior lamp
- Y7 Automatic dimming interior rearview mirror

- (277) Ground connection 3 (in interior wiring harness)
- (639) Ground connection on left A-pillar
- (B528) LIN bus connection 1 (in main wiring harness)
- (B668) CAN bus extended high connection 2 (in main wiring harness)
- (B669) CAN bus extended low connection 2 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with lane assist
- \*3 Only for vehicles with a humidity sensor
- \*4 from May 2009
- \*5 Diameter depends on equipment
- \*6 through April 2009

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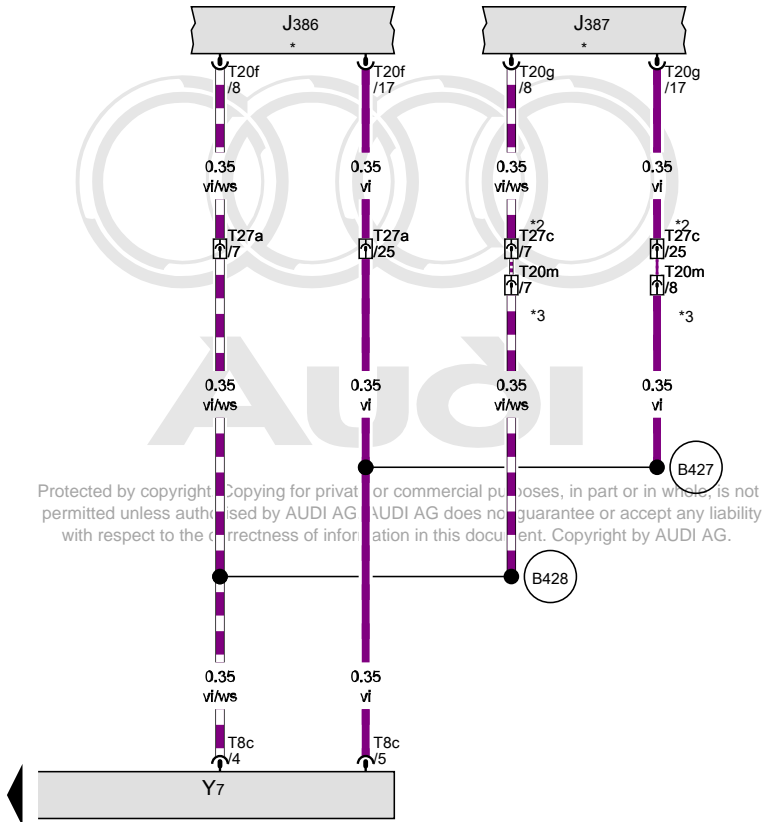
Driver door control module, Front passenger door control module, Automatic dimming interior rearview mirror

- J386 Driver door control module
- J387 Front passenger door control module
- T8c 8-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27c 27-pin connector, Right A-pillar, bottom
- Y7 Automatic dimming interior rearview mirror

B427 Mirror auto-dimming signal connection 1 (in main wiring harness)

B428 Mirror auto-dimming signal connection 2 (in main wiring harness)

- \* Only for vehicles with automatic dimming exterior rearview mirror
- \*2 Omitted as a running change
- \*3 Running change



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**Heated seats**

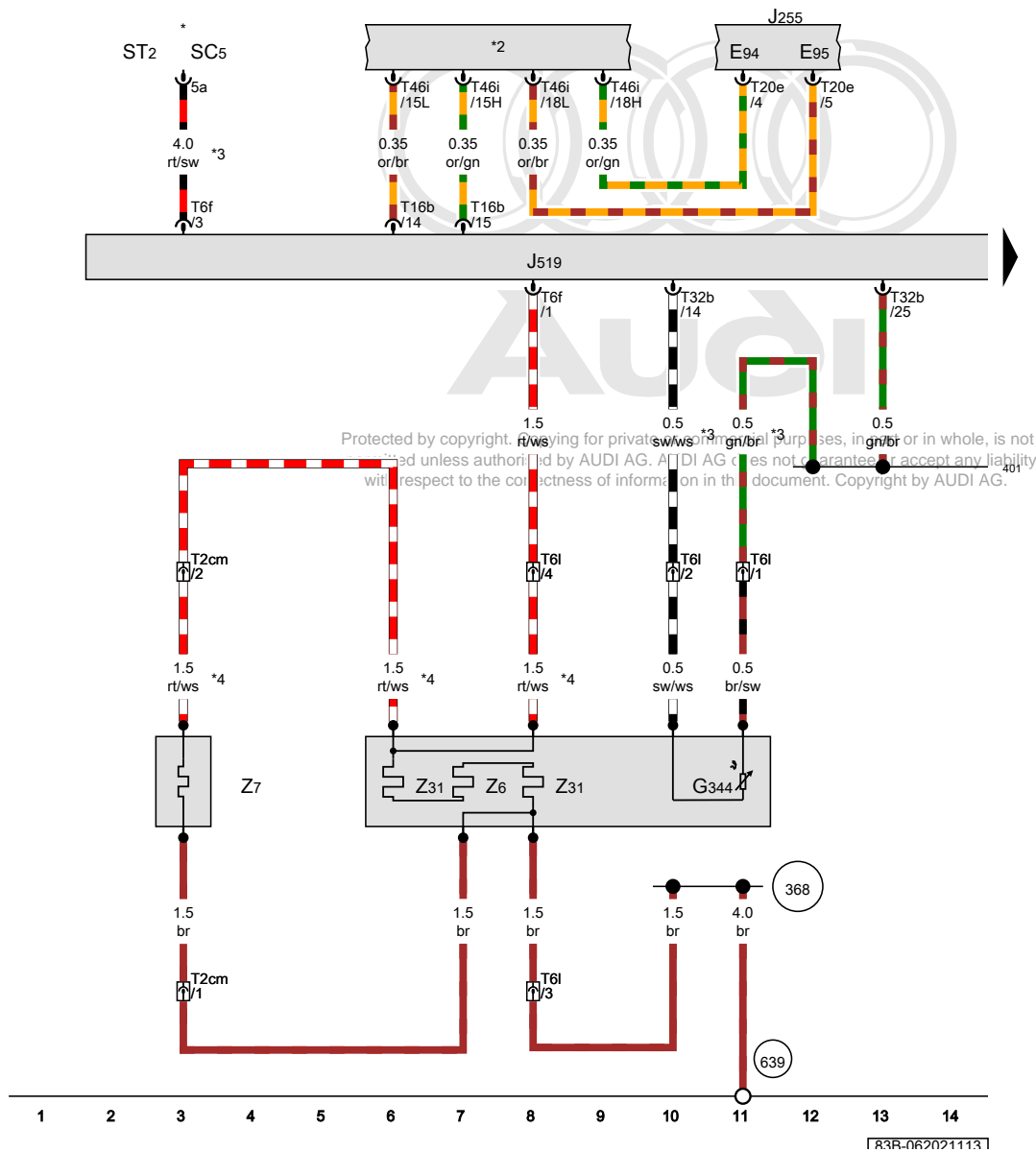
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Heated driver seat adjuster, Heated front passenger seat adjuster, Vehicle electrical system control module, Driver seat heating element, Driver backrest heating element



- E94 Heated driver seat adjuster
- E95 Heated front passenger seat adjuster
- G344 Left front seat temperature sensor
- J255 Climatronic control module
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- SC5 Fuse 5 (on fuse panel C)
- T2cm Double connector, in the driver seat
- T6f 6-pin connector
- T6l 6-pin connector, green
- T16b 16-pin connector
- T20e 20-pin connector
- T32b 32-pin connector
- T46i 46-pin connector
- Z6 Driver seat heating element
- Z7 Driver backrest heating element
- Z31 Driver seat bolster heater

- 368 Ground connection 3 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable wiring diagram
- \*3 Diameter depends on equipment
- \*4 The color of the wires depends on vehicle equipment

Vehicle electrical system control module, Front passenger seat heating element, Front passenger backrest heating element

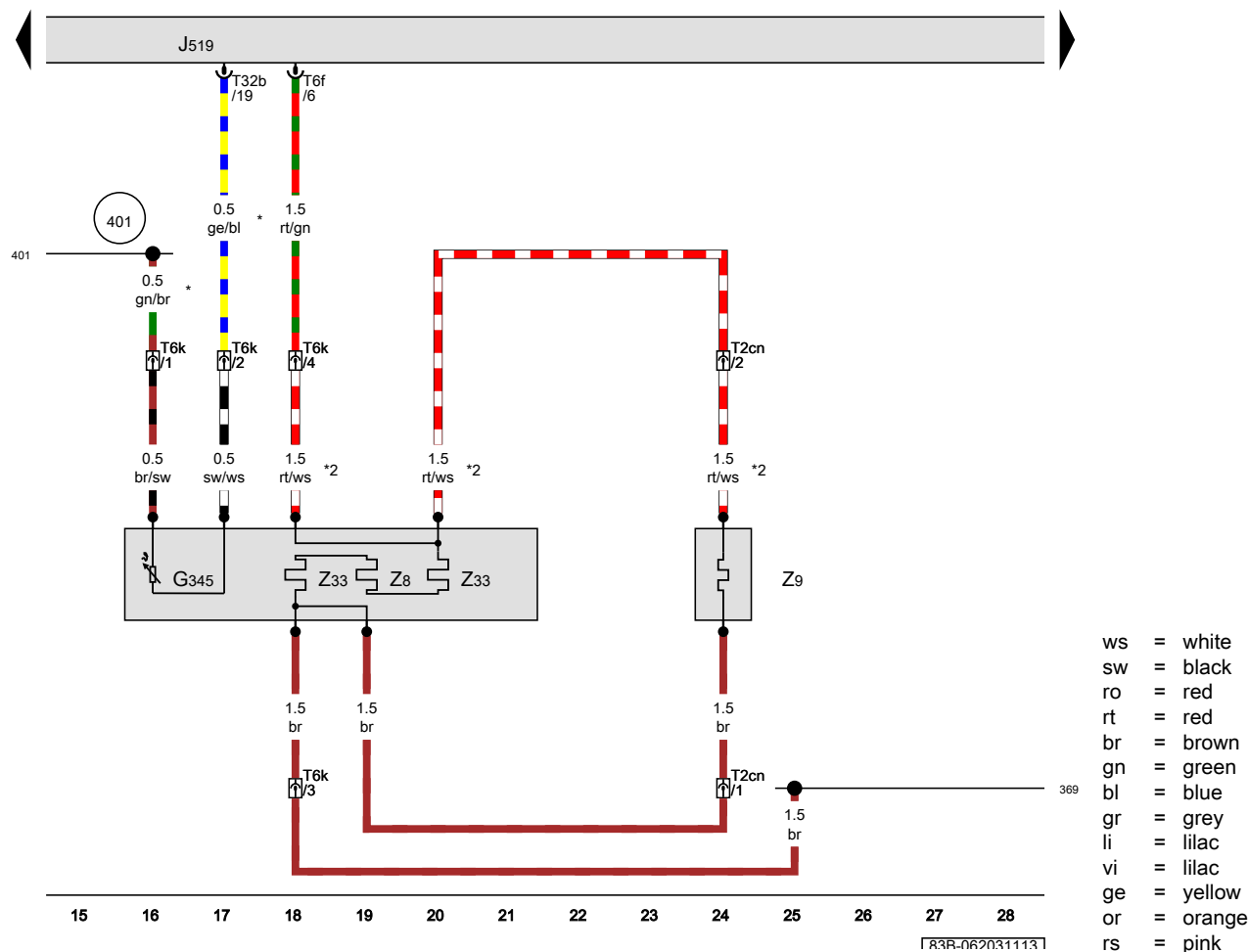
- G345 Right front seat temperature sensor
- J519 Vehicle electrical system control module
- T2cn Double connector, in the front passenger seat
- T6f 6-pin connector
- T6k 6-pin connector, green
- T32b 32-pin connector
- Z8 Front passenger seat heating element
- Z9 Front passenger backrest heating element
- Z33 Front passenger seat bolster heater

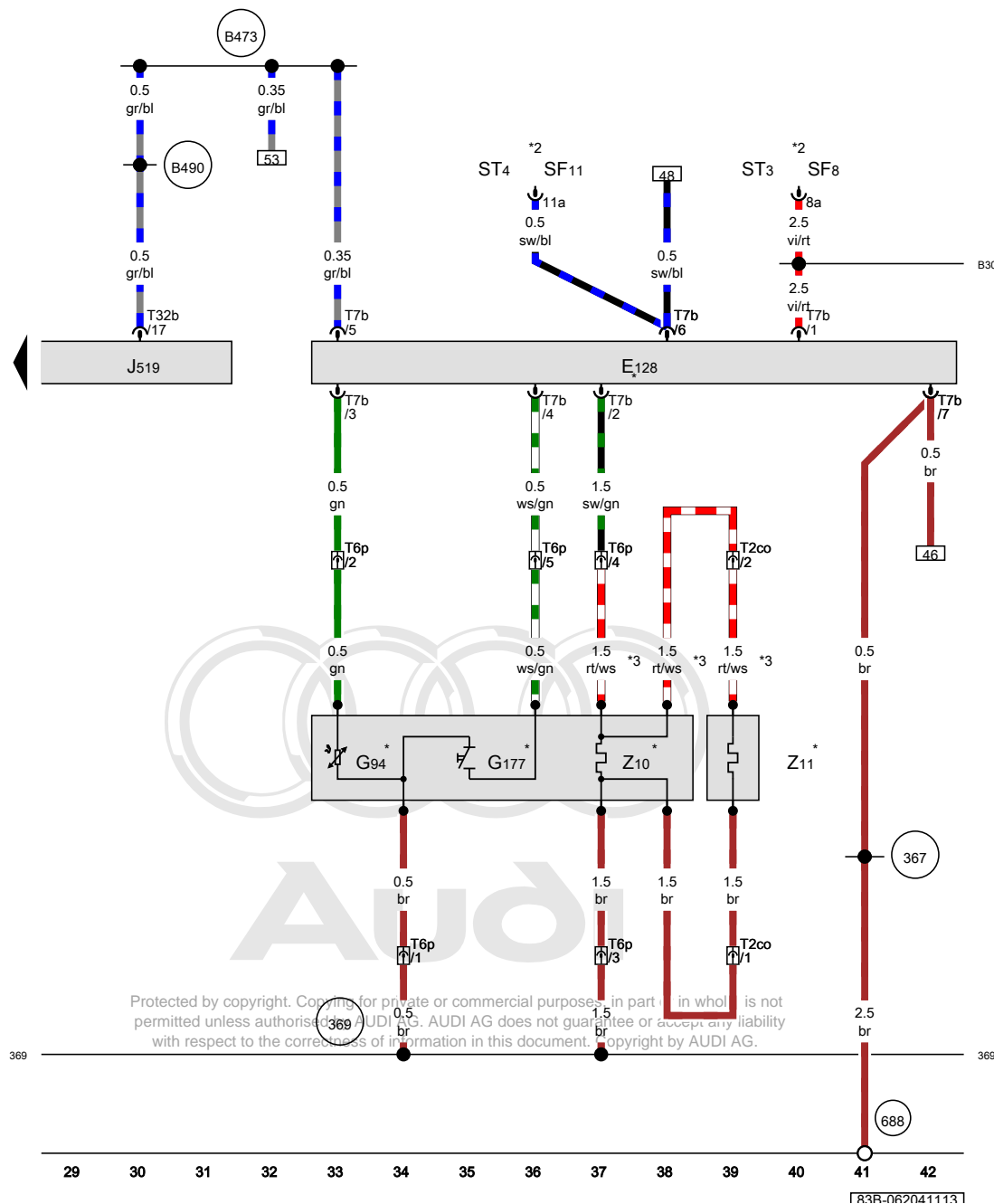
369 Ground connection 4 (in main wiring harness)

401 Sensor ground connection (in interior wiring harness)

\* Diameter depends on equipment

\*2 The color of the wires depends on vehicle equipment





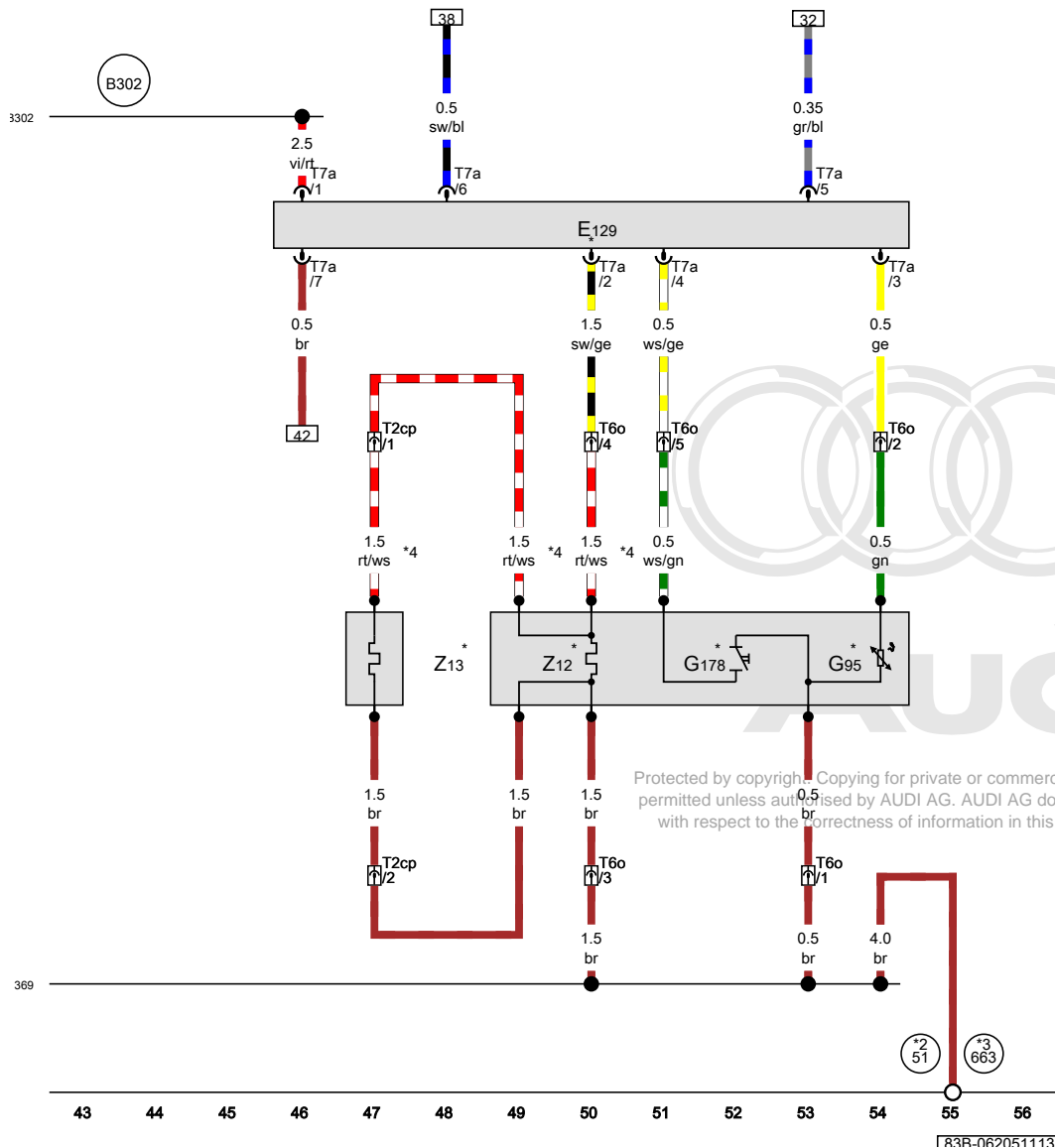
# Left rear heated seat regulating switch, Vehicle electrical system control module, Left rear bench seat heating element

- E128 Left rear heated seat regulating switch
- G94 Left rear heated seat temperature sensor
- G177 Driver side rear seat occupant sensor
- J519 Vehicle electrical system control module
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SF8 Fuse 8 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T2co Double connector, under the rear seat
- T6p 6-pin connector, green
- T7b 7-pin connector
- T32b 32-pin connector
- Z10 Left rear bench seat heating element
- Z11 Left rear backrest heating element

- 367 Ground connection 2 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B302 Positive connection 6 (30) (in main wiring harness)
- B473 Connection 9 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Only for vehicles with heated rear seats
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 The color of the wires depends on vehicle equipment

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



## Right rear heated seat regulating switch, Right rear bench seat heating element

- E129 Right rear heated seat regulating switch
- G95 Right rear heated seat temperature sensor
- G178 Passenger side rear seat occupant sensor
- T2cp Double connector, under the rear seat
- T6o 6-pin connector, brown
- T7a 7-pin connector
- Z12 Right rear bench seat heating element
- Z13 Right rear backrest heating element

- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)
- 663 Ground connection in right rear side panel
- B302 Positive connection 6 (30) (in main wiring harness)
- \* Only for vehicles with heated rear seats
- \*2 Omitted as a running change
- \*3 Running change
- \*4 The color of the wires depends on vehicle equipment

**Power seats, front**  
from September 2008



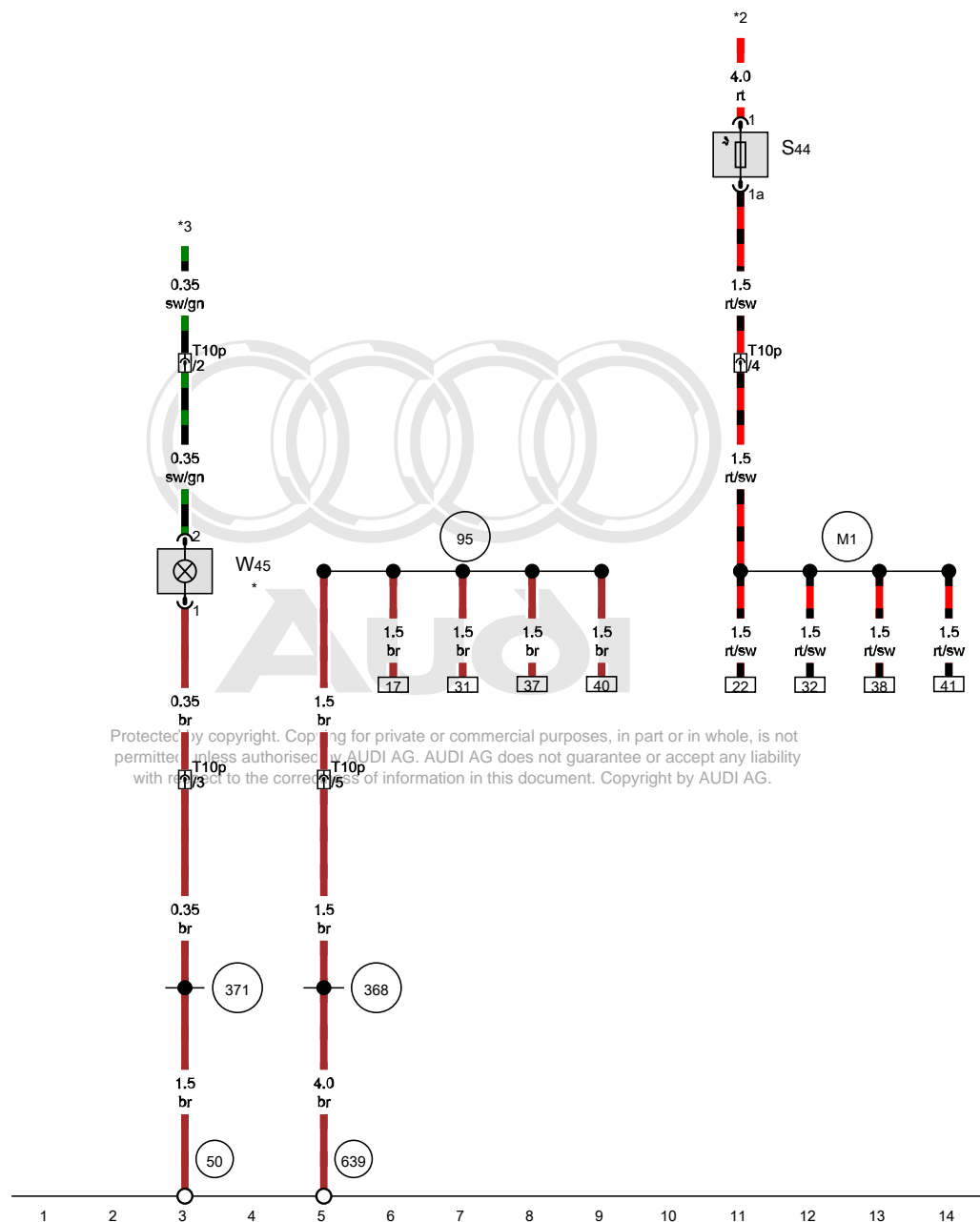
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# Driver power seat adjustment circuit breaker 1, Left rear footwell lamp

S44 Driver power seat adjustment circuit breaker 1  
T10p 10-pin connector, red  
W45 Left rear footwell lamp

- 50 Ground connection in luggage compartment, left
- 95 Ground connection 1 (in seat adjustment wiring harness)
- 368 Ground connection 3 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 639 Ground connection on left A-pillar
- M1 Positive connection 1 (30) (in seat adjustment wiring harness)

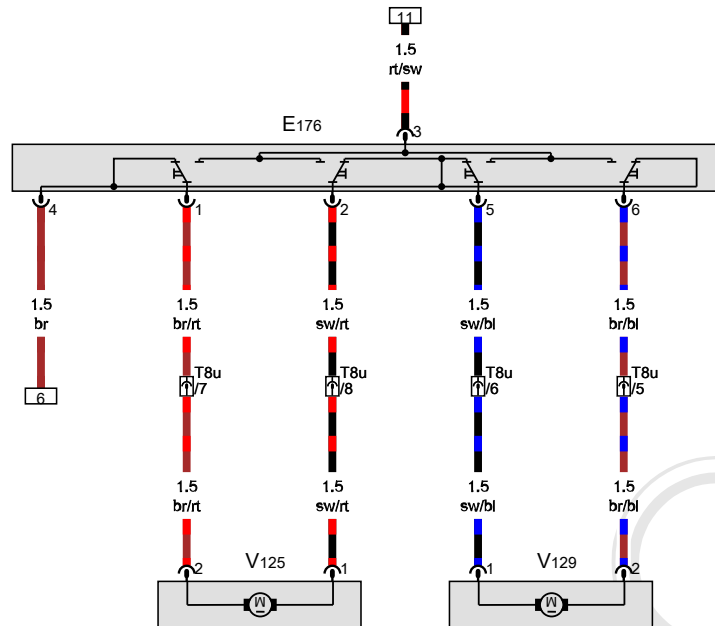
\* Only for vehicles with footwell lamp  
\*2 Refer to applicable wiring diagram for fuse positions  
\*3 Refer to applicable standard equipment wiring diagram



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

Driver seat lumbar support curvature adjustment motor,  
Driver seat lumbar support height adjustment motor

- E176 Driver seat lumbar support adjustment switch
- T8u 8-pin connector, in the driver seat
- V125 Driver seat lumbar support curvature adjustment motor
- V129 Driver seat lumbar support height adjustment motor

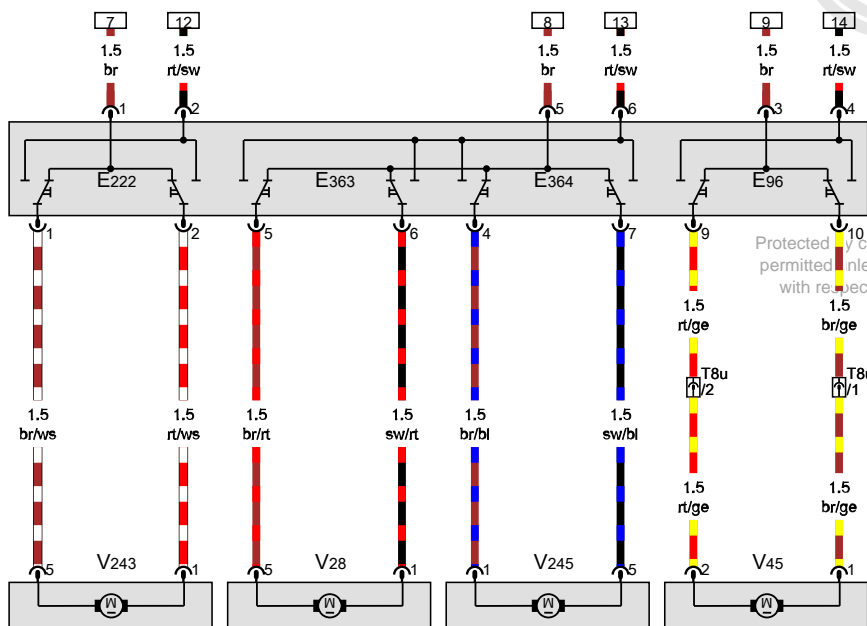


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Driver seat forward/back adjustment motor, Driver backrest adjustment motor, Driver seat angle adjustment motor, Driver seat height adjustment motor

- E96 Driver backrest adjustment switch
- E222 Driver seat angle adjustment switch
- E363 Driver seat forward/back adjustment switch
- E364 Driver seat height adjustment switch
- T8u 8-pin connector, in the driver seat
- V28 Driver seat forward/back adjustment motor
- V45 Driver backrest adjustment motor
- V243 Driver seat angle adjustment motor
- V245 Driver seat height adjustment motor



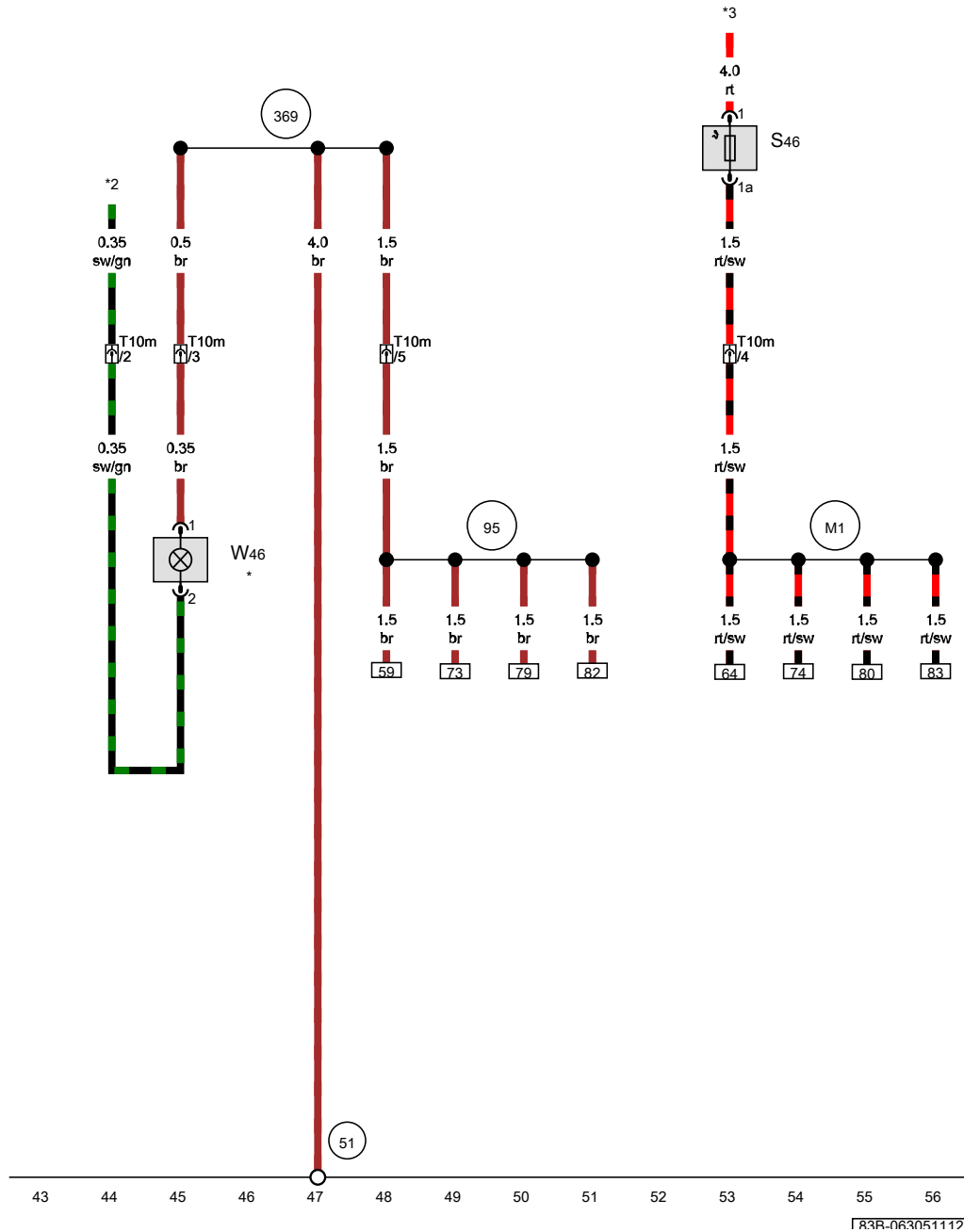
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# Front passenger power seat adjustment circuit breaker 1, Right rear footwell lamp

- S46 Front passenger power seat adjustment circuit breaker 1
- T10m 10-pin connector, red
- W46 Right rear footwell lamp
- 51 Ground connection in luggage compartment, right
- 95 Ground connection 1 (in seat adjustment wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- M1 Positive connection 1 (30) (in seat adjustment wiring harness)
- \* Only for vehicles with footwell lamp
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions

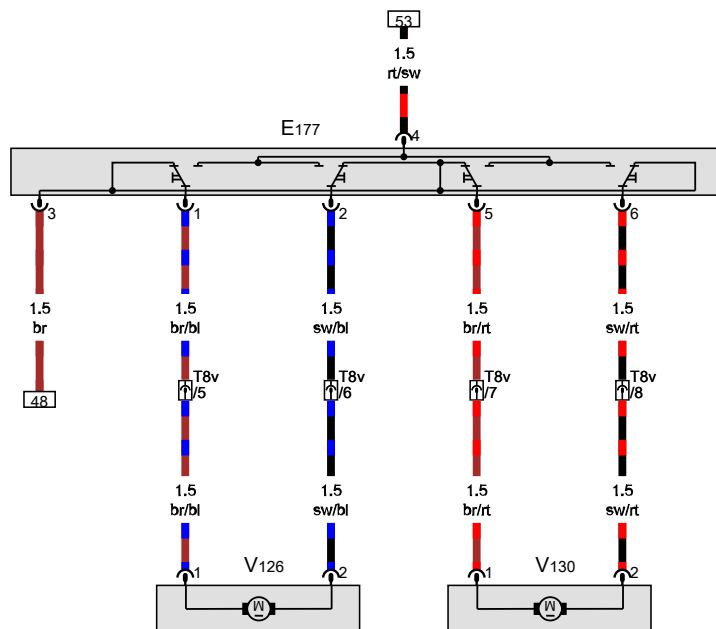
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gn = green  
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li = lilac  
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or = orange  
rs = pink

Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

- E177 Front passenger seat lumbar support adjustment switch
- T8v 8-pin connector, in the front passenger seat
- V126 Front passenger seat lumbar support curvature adjustment motor
- V130 Front passenger seat lumbar support height adjustment motor

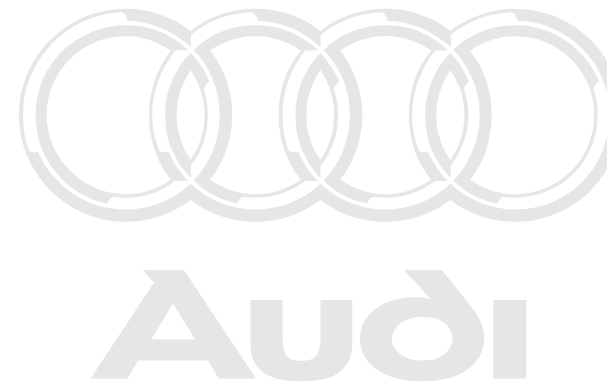
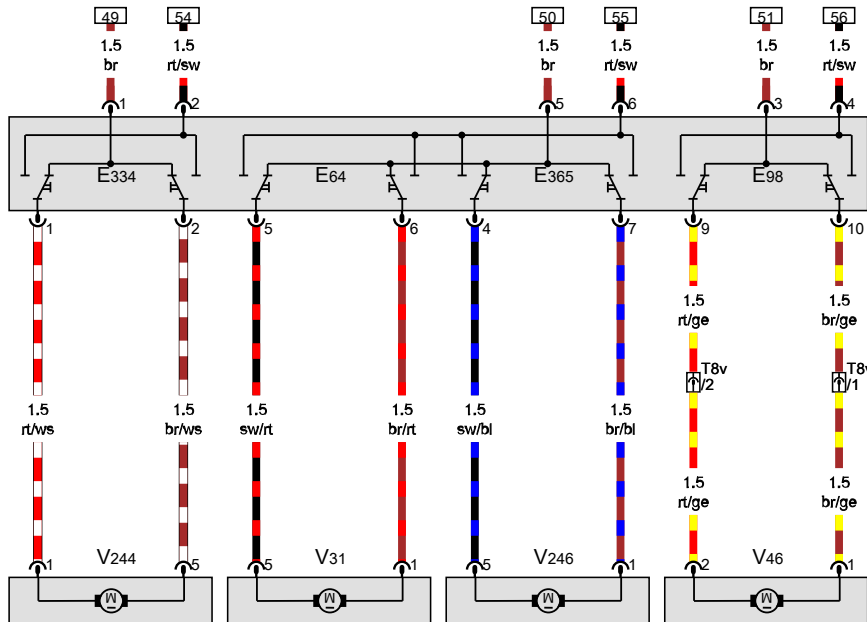


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Front passenger seat forward/back adjustment motor, Front passenger backrest adjustment motor, Front passenger seat angle adjustment motor, Front passenger seat height adjustment motor

- E64 Front passenger seat forward/back adjustment switch
- E98 Front passenger backrest adjustment switch
- E334 Front passenger seat angle adjustment button
- E365 Front passenger seat height adjustment switch
- T8v 8-pin connector, in the front passenger seat
- V31 Front passenger seat forward/back adjustment motor
- V46 Front passenger backrest adjustment motor
- V244 Front passenger seat angle adjustment motor
- V246 Front passenger seat height adjustment motor



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**Seat memory, driver with lumbar, ventilation and heating**

from September 2008



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Memory seat/steering column adjustment control module,  
Left rear footwell lamp

- J136 Memory seat/steering column adjustment control module
- S44 Driver power seat adjustment circuit breaker 1
- T10p 10-pin connector, red
- T12l 12-pin connector
- T32g 32-pin connector
- W45 Left rear footwell lamp

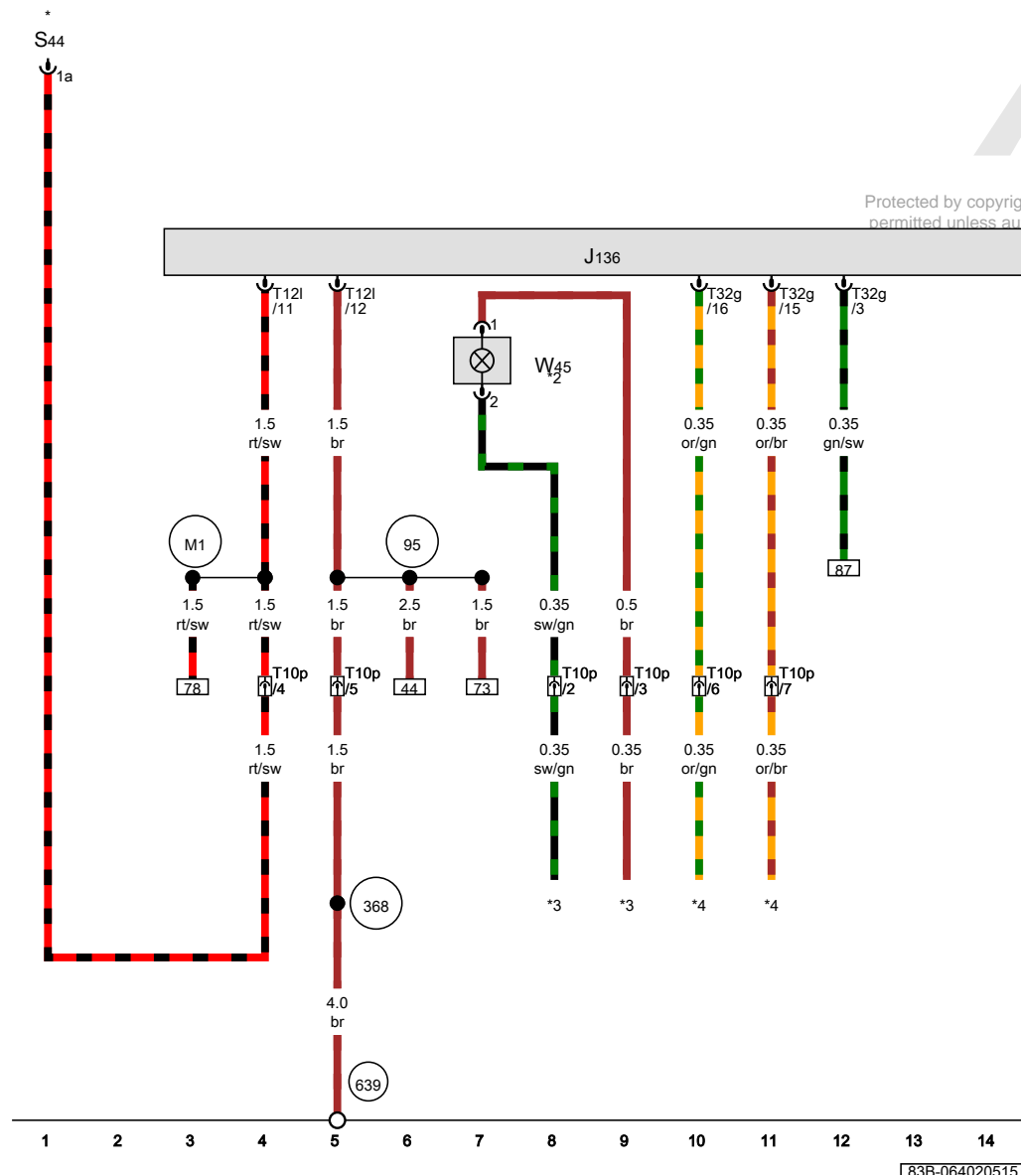
95 Ground connection 1 (in seat adjustment wiring harness)

368 Ground connection 3 (in main wiring harness)

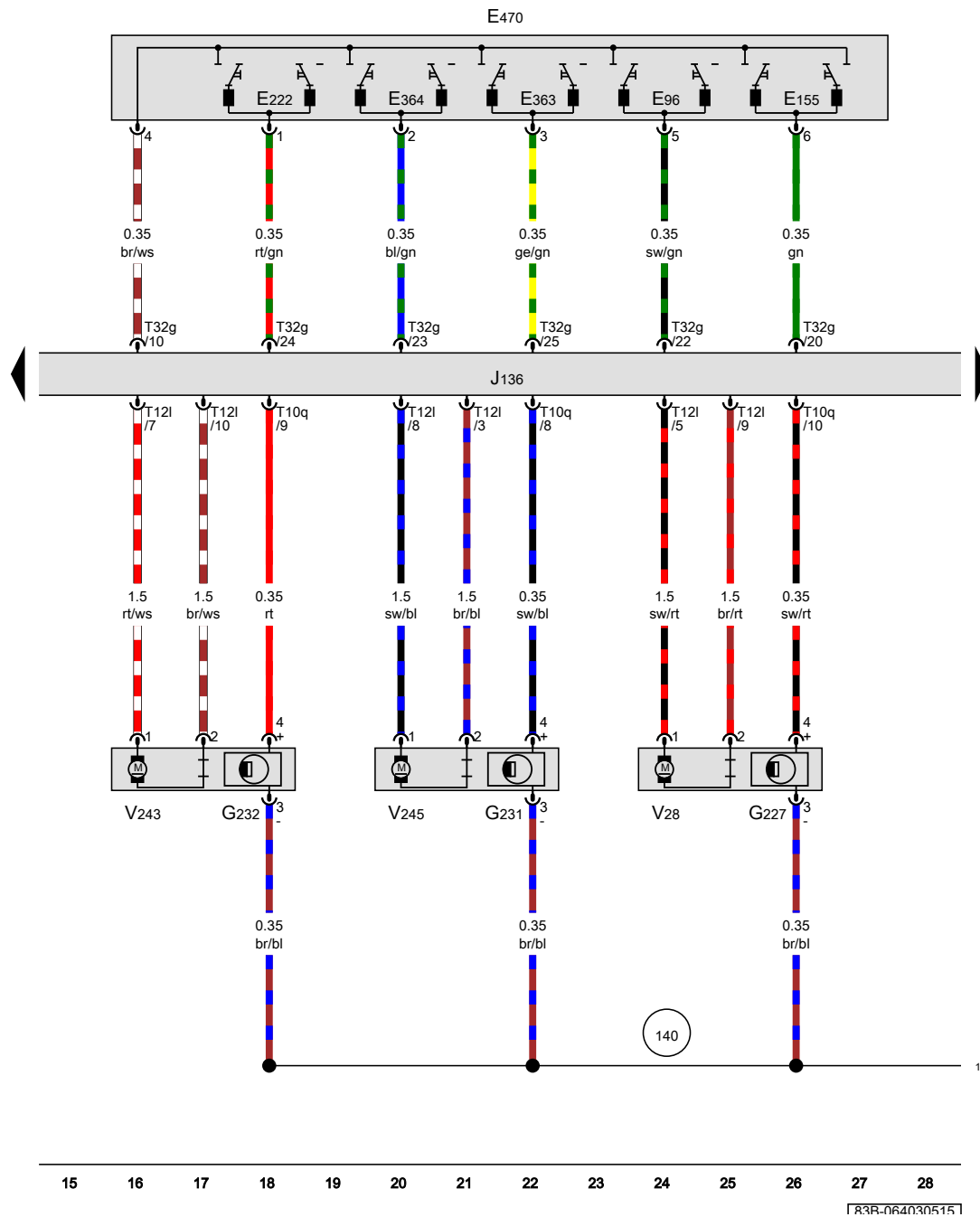
639 Ground connection on left A-pillar

M1 Positive connection 1 (30) (in seat adjustment wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with footwell lamp
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 Refer to applicable wiring diagram



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- ge = yellow
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Driver seat adjustment control head, Memory seat/steering column adjustment control module, Driver seat forward/back adjustment motor, Driver seat angle adjustment motor, Driver seat height adjustment motor

- E96 Driver backrest adjustment switch
- E155 Driver headrest adjustment button
- E222 Driver seat angle adjustment switch
- E363 Driver seat forward/back adjustment switch
- E364 Driver seat height adjustment switch
- E470 Driver seat adjustment control head
- G227 Driver seat forward/back adjustment sensor
- G231 Driver seat height adjustment sensor
- G232 Driver seat tilt adjustment sensor
- J136 Memory seat/steering column adjustment control module
- T10q 10-pin connector
- T12l 12-pin connector
- T32g 32-pin connector
- V28 Driver seat forward/back adjustment motor
- V243 Driver seat angle adjustment motor
- V245 Driver seat height adjustment motor
- 140 Ground connection 2 (in seat adjustment wiring harness)

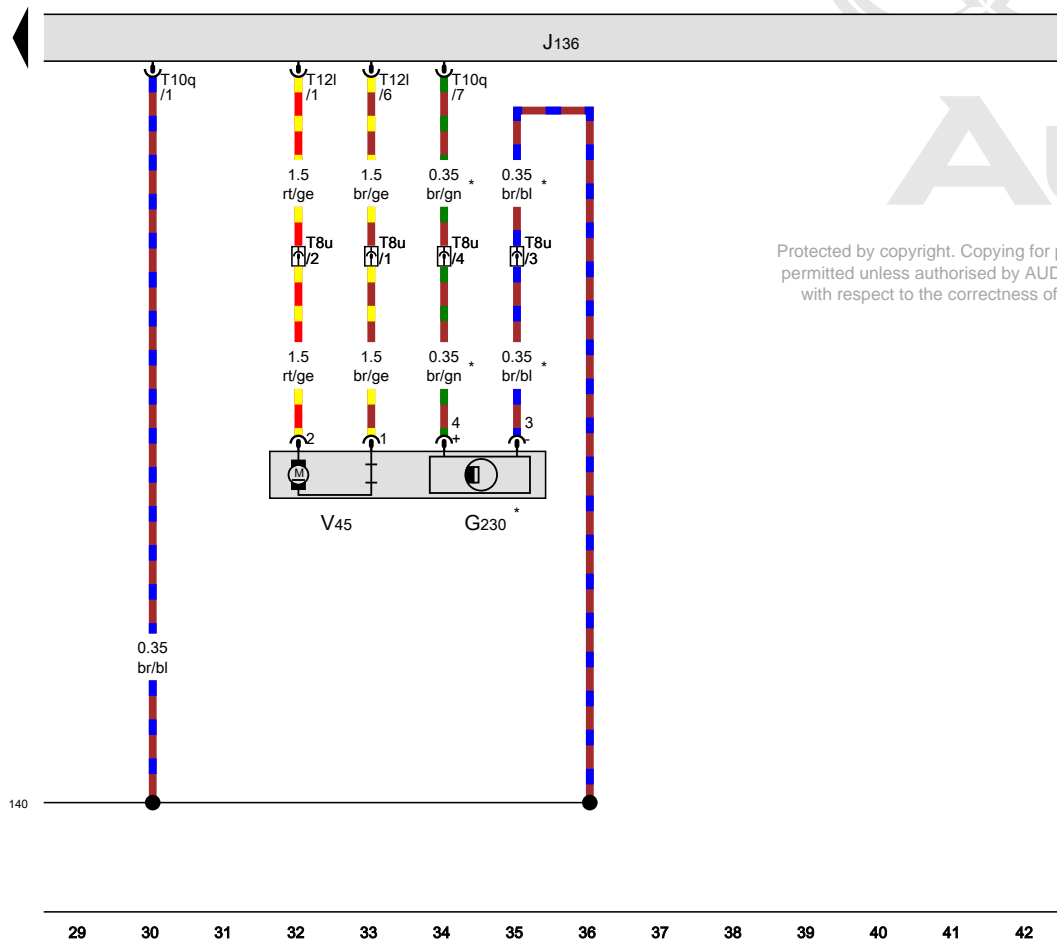
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 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink



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Memory seat/steering column adjustment control module,  
Driver backrest adjustment motor

- G230 Driver backrest adjustment sensor
- J136 Memory seat/steering column adjustment control module
- T8u 8-pin connector, in the driver seat
- T10q 10-pin connector
- T12l 12-pin connector
- V45 Driver backrest adjustment motor
- 140 Ground connection 2 (in seat adjustment wiring harness)
- \* Omitted as a running change



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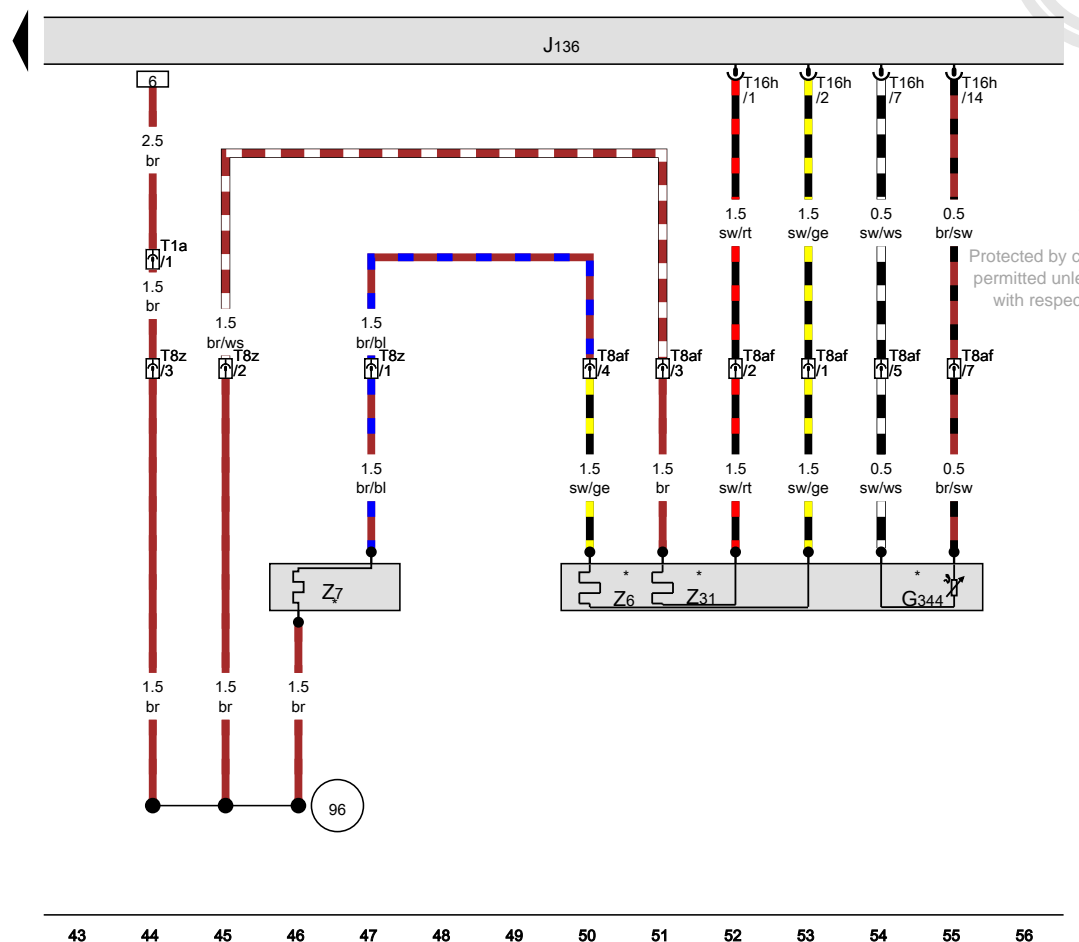
- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
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- or = orange
- rs = pink

183B-0640405151

Left front seat temperature sensor, Memory seat/steering column adjustment control module, Driver seat heating element, Driver backrest heating element

- G344 Left front seat temperature sensor
- J136 Memory seat/steering column adjustment control module
- T1a Single connector, under the seat
- T8af 8-pin connector
- T8z 8-pin connector
- T16h 16-pin connector
- Z6 Driver seat heating element
- Z7 Driver backrest heating element
- Z31 Driver seat bolster heater
- 96 Ground connection 1 (in heated seats wiring harness)

\* Only for vehicles with seat ventilation



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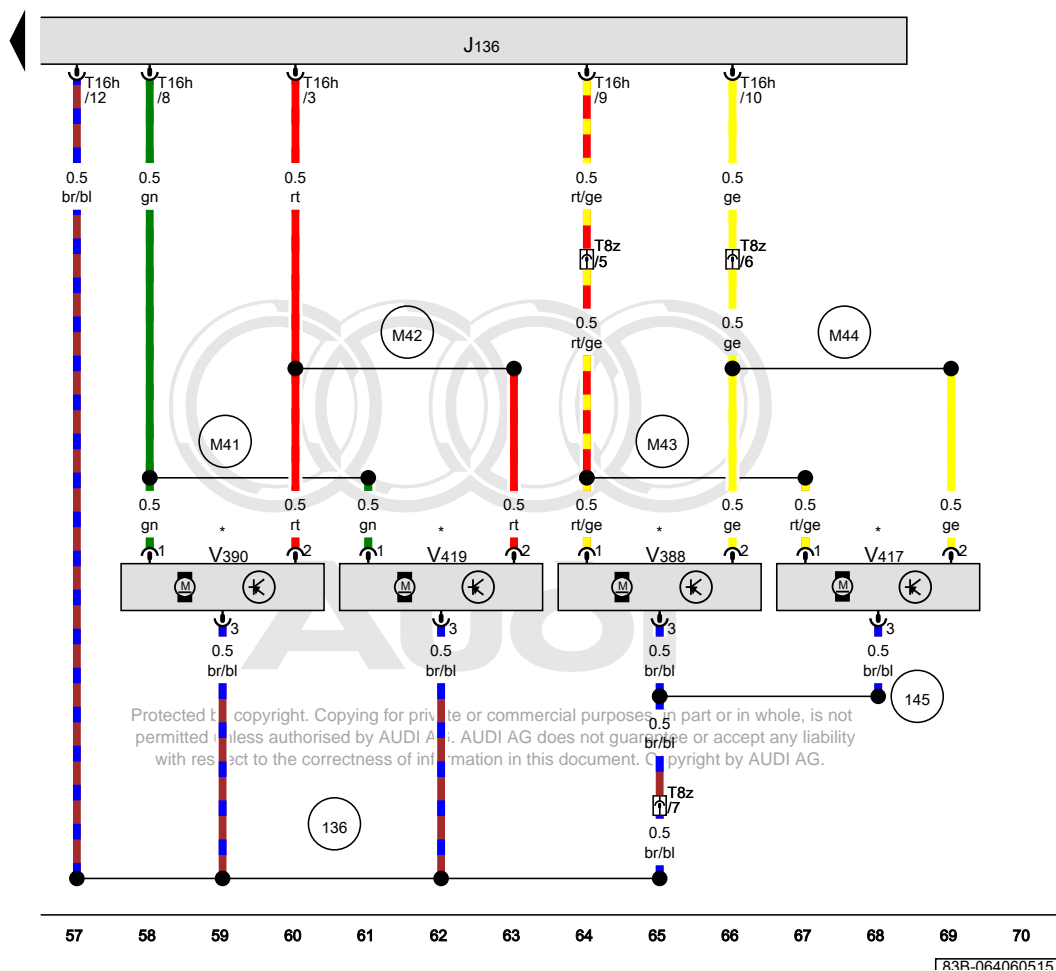
183B-064050515



Memory seat/steering column adjustment control module,  
Driver seat backrest blower fan, Driver seat cushion blower fan

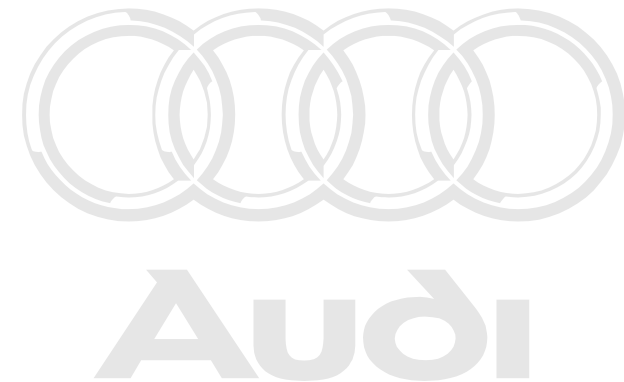
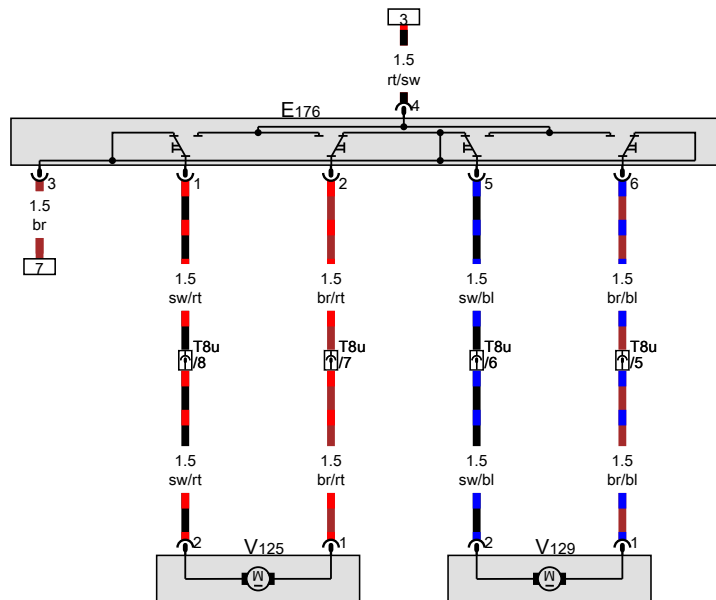
- J136 Memory seat/steering column adjustment control module
- T8z 8-pin connector
- T16h 16-pin connector
- V388 Driver seat backrest blower fan
- V390 Driver seat cushion blower fan
- V417 Driver seat backrest blower fan 2
- V419 Driver seat cushion blower fan 2

- 136 Ground connection 2 (in heated seats wiring harness)
- 145 Ground connection 3 (in heated seats wiring harness)
- M41 Connection 1 (in driver seat wiring harness)
- M42 Connection 2 (in driver seat wiring harness)
- M43 Connection 3 (in driver seat wiring harness)
- M44 Connection 4 (in driver seat wiring harness)
- \* Only for vehicles with seat ventilation



# Driver seat lumbar support adjustment switch

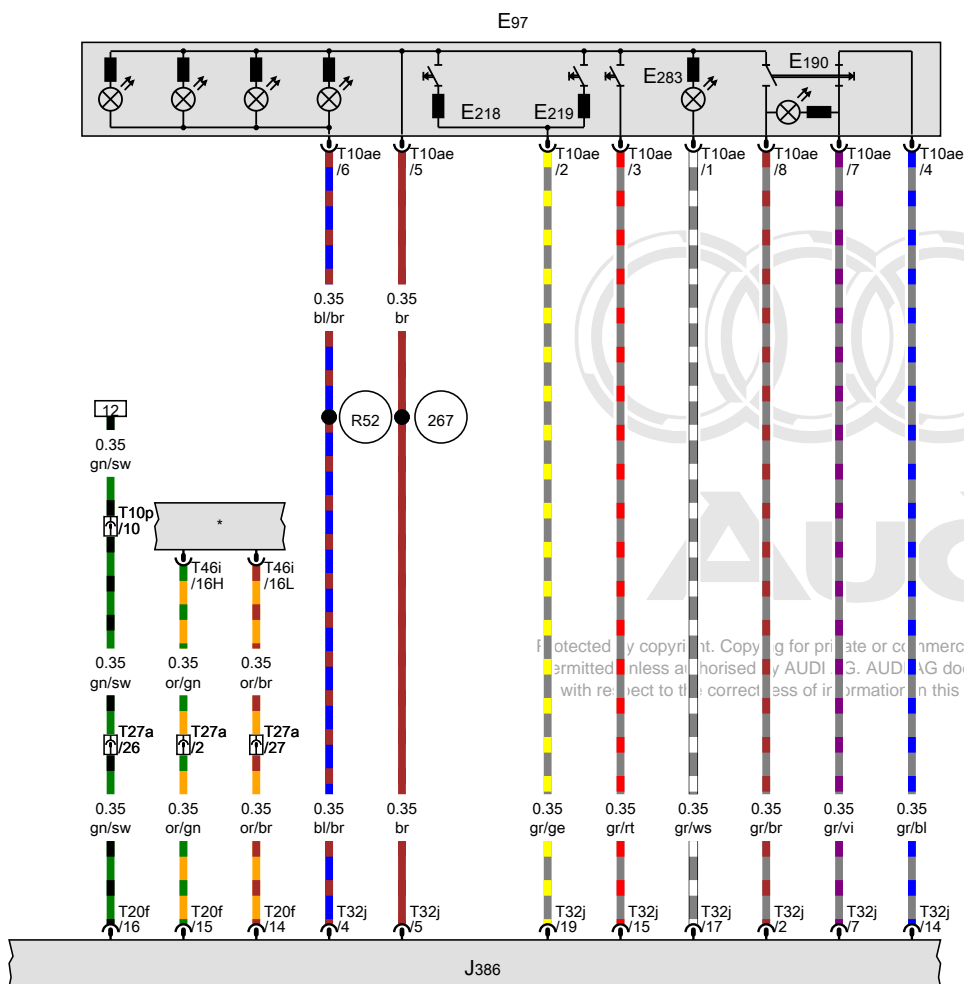
- E176 Driver seat lumbar support adjustment switch
- T8u 8-pin connector, in the driver seat
- V125 Driver seat lumbar support curvature adjustment motor
- V129 Driver seat lumbar support height adjustment motor



- ws = white
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- gr = grey
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Driver memory seat control head, Emergency off button, Driver door control module



- E97 Driver memory seat control head
- E190 Emergency off button
- E218 Memory seat position 1 button
- E219 Memory seat position 2 button
- E283 Driver seat memory button
- J386 Driver door control module
- T10ae 10-pin connector
- T10p 10-pin connector, red
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T32j 32-pin connector
- T46i 46-pin connector

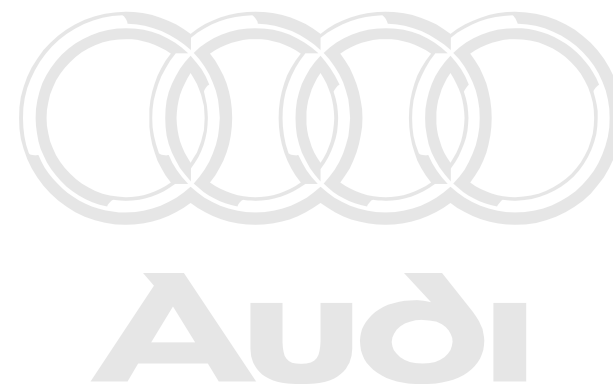
267 Ground connection 2 (in driver door wiring harness)

R52 Connection 58s (in driver door wiring harness)

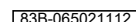
\* Refer to applicable wiring diagram

- ws = white
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**Lumbar support adjustment, without power seat**  
from September 2008



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Driver seat lumbar support curvature adjustment motor,  
Driver seat lumbar support height adjustment motor, Left  
rear footwell lamp

- |      |   |
|------|---|
| E176 | Driver seat lumbar support adjustment switch          |
| J519 | Vehicle electrical system control module              |
| ST3  | Fuse panel 3  |
| SC3  | Fuse 3 (on fuse panel C)                              |
| T4u  | 4-pin connector, in the driver seat                   |
| T10p | 10-pin connector, red                                 |
| T17l | 17-pin connector                                      |
| V125 | Driver seat lumbar support curvature adjustment motor |
| V129 | Driver seat lumbar support height adjustment motor    |
| W45  | Left rear footwell lamp                               |

- 50 Ground connection in luggage compartment, left
- 368 Ground connection 3 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B433 Footwell illumination connection (in main wiring harness)

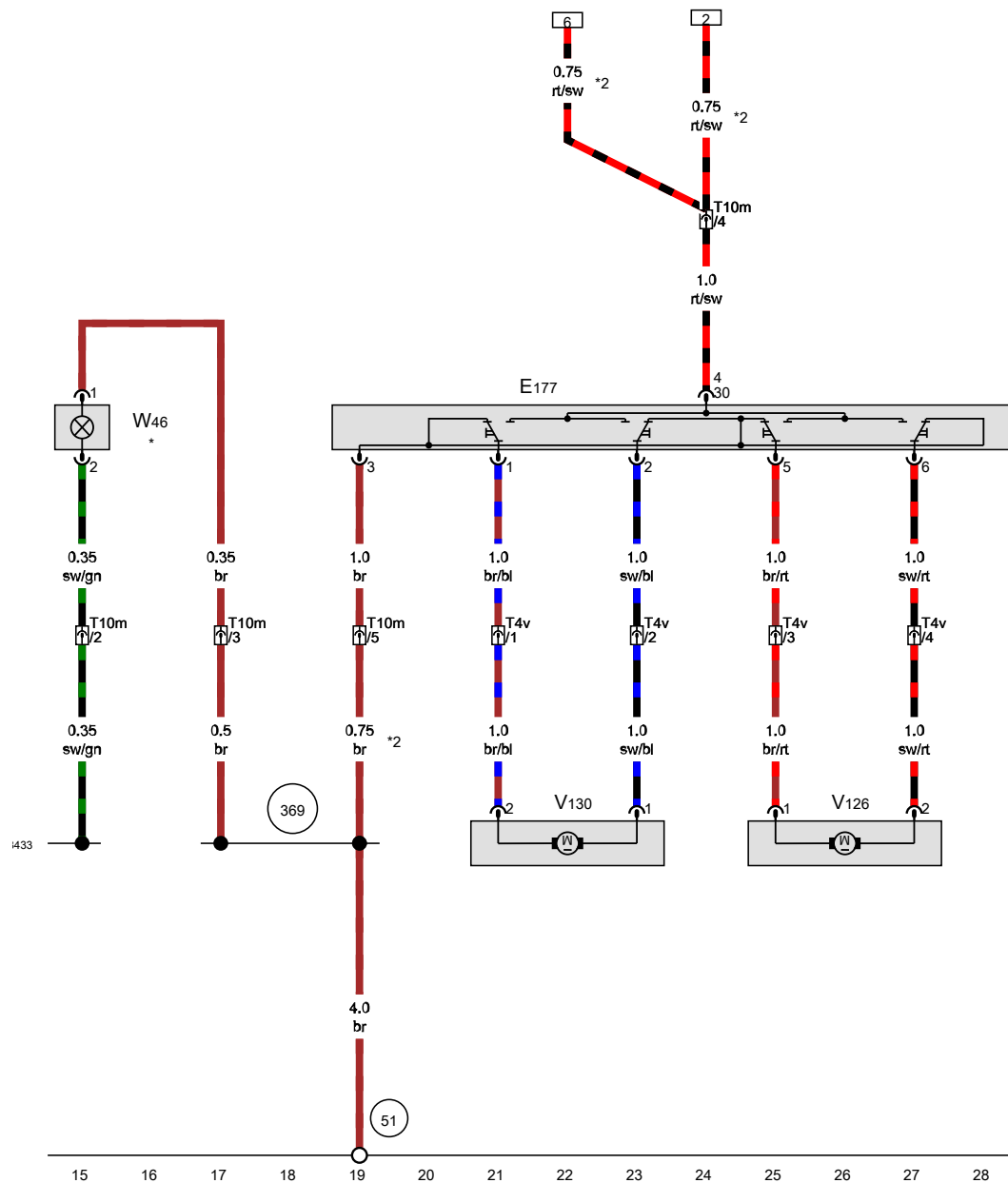
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with footwell lamp
- \*3 Diameter depends on equipment

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

Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor, Right rear footwell lamp

- E177 Front passenger seat lumbar support adjustment switch
- T4v 4-pin connector, in the front passenger seat
- T10m 10-pin connector, red
- V126 Front passenger seat lumbar support curvature adjustment motor
- V130 Front passenger seat lumbar support height adjustment motor
- W46 Right rear footwell lamp

- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)
- B433 Footwell illumination connection (in main wiring harness)
- \* Only for vehicles with footwell lamp
- \*2 Diameter depends on equipment



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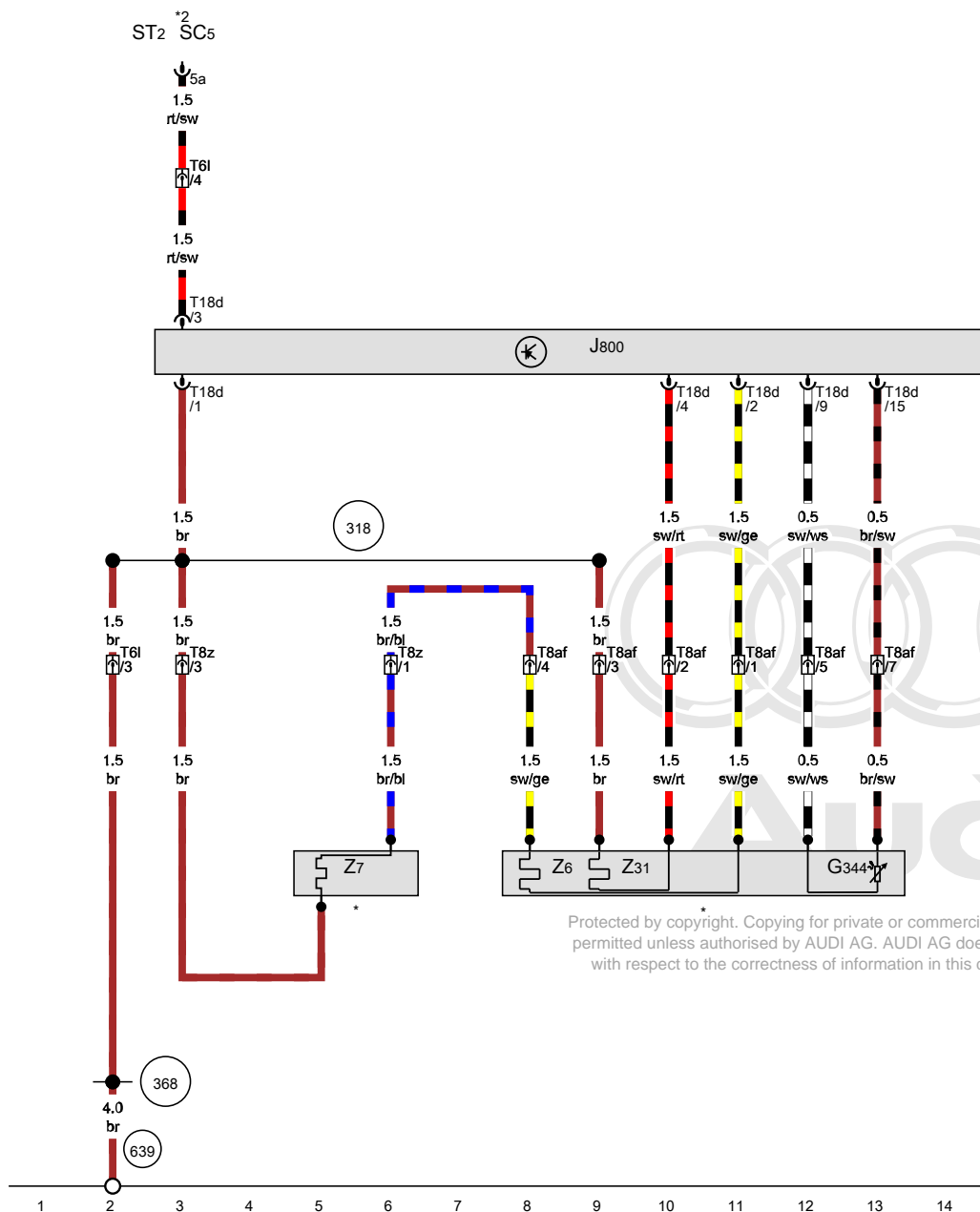
**Heated seats with ventilation**

from September 2008

**Audi**

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Left front seat ventilation control module, Driver seat heating element, Driver backrest heating element

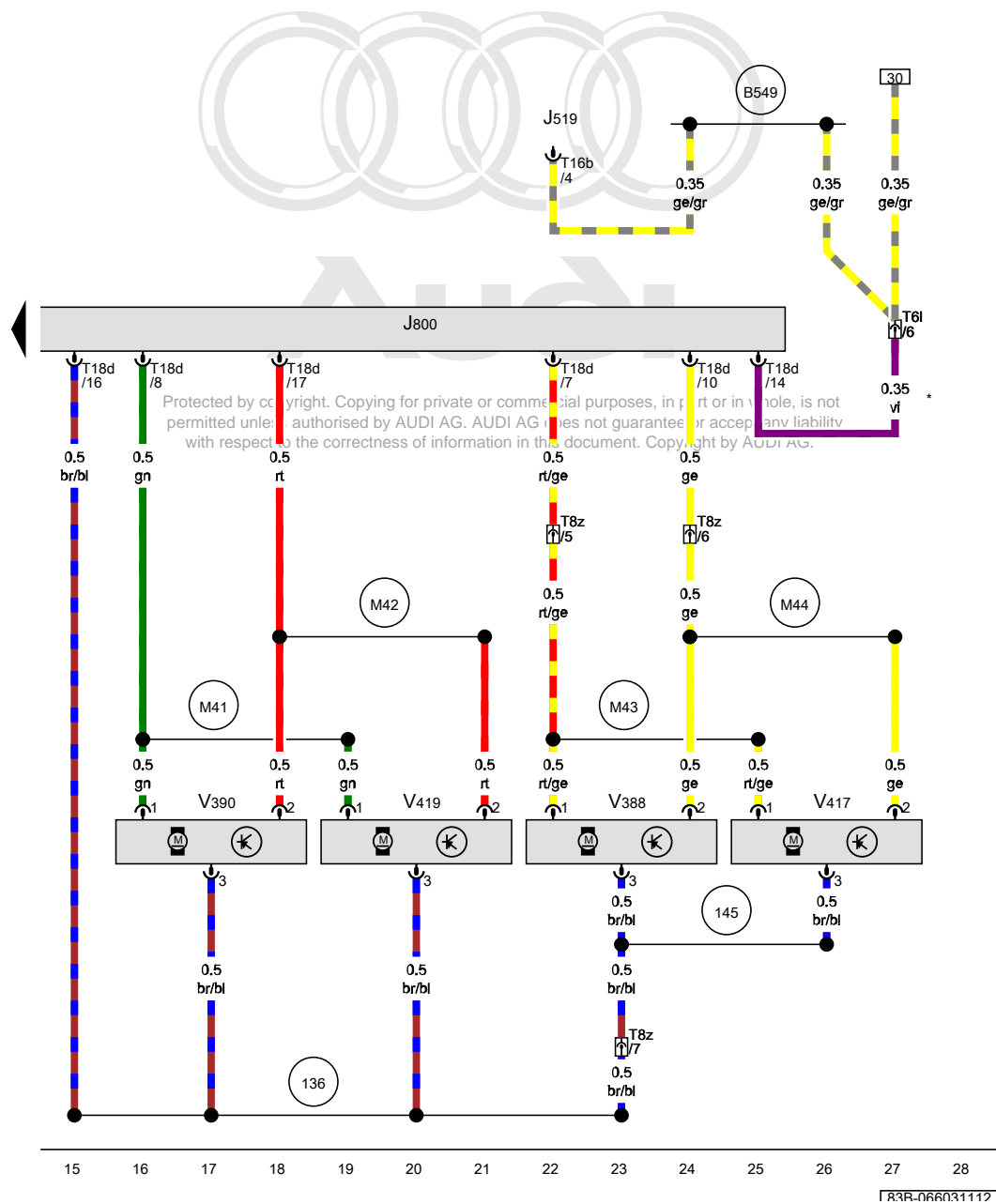


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gr = grey  
li = lilac  
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or = orange  
rs = pink

- G344 Left front seat temperature sensor
- J800 Left front seat ventilation control module
- ST2 Fuse panel 2
- SC5 Fuse 5 (on fuse panel C)
- T6l 6-pin connector, green
- T8af 8-pin connector, on the driver seat
- T8z 8-pin connector, on the driver seat
- T18d 18-pin connector
- Z6 Driver seat heating element
- Z7 Driver backrest heating element
- Z31 Driver seat bolster heater
- 318 Ground connection 4 (in heated seats wiring harness)
- 368 Ground connection 3 (in main wiring harness)
- 639 Ground connection on left A-pillar
- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions





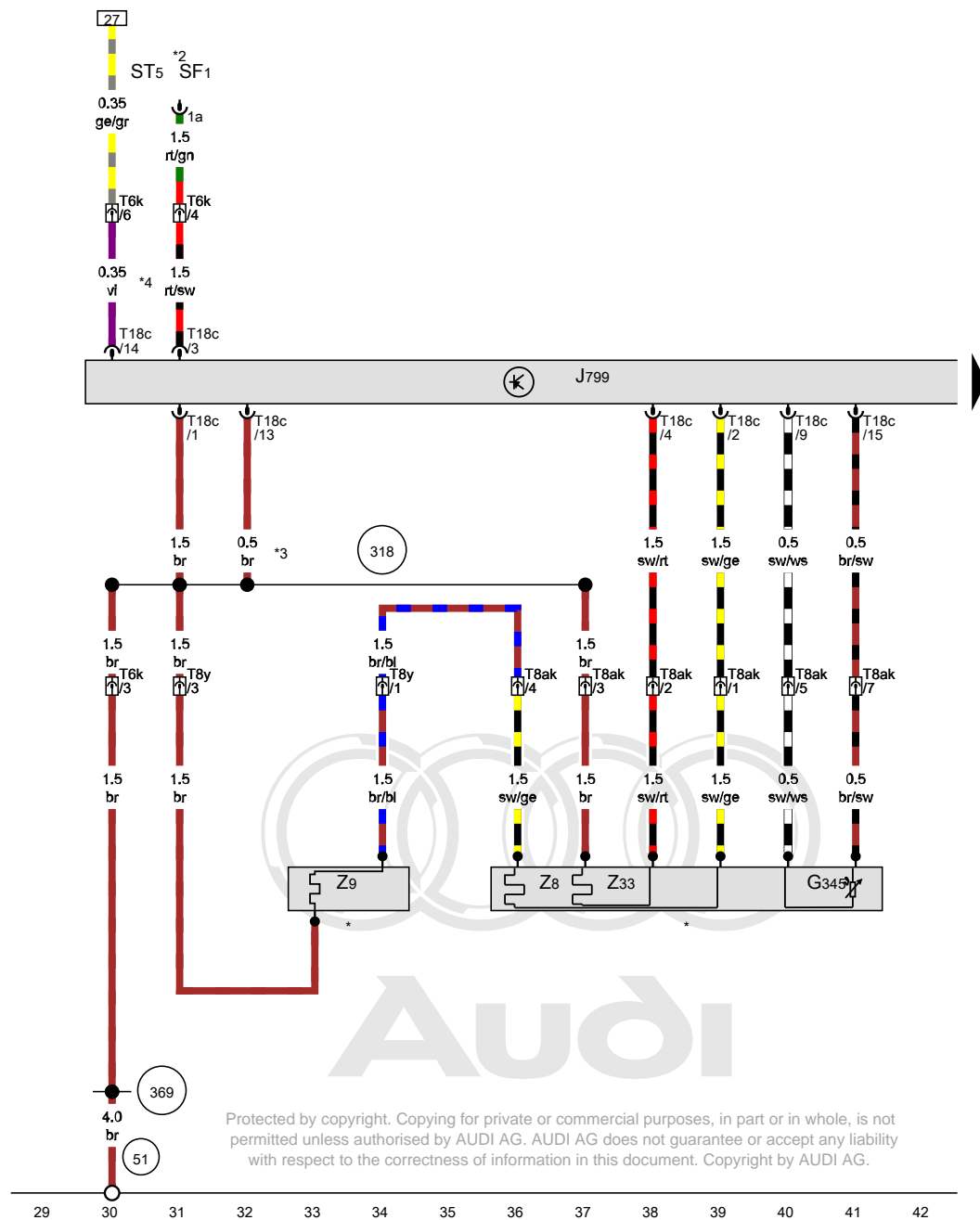
# Left front seat ventilation control module, Driver seat backrest blower fan, Driver seat cushion blower fan

- J519 Vehicle electrical system control module
- J800 Left front seat ventilation control module
- T6l 6-pin connector, green
- T8z 8-pin connector, on the driver seat
- T16b 16-pin connector
- T18d 18-pin connector
- V388 Driver seat backrest blower fan
- V390 Driver seat cushion blower fan
- V417 Driver seat backrest blower fan 2
- V419 Driver seat cushion blower fan 2

- 136 Ground connection 2 (in heated seats wiring harness)
- 145 Ground connection 3 (in heated seats wiring harness)
- B549 LIN bus connection 2 (in main wiring harness)
- M41 Connection 1 (in driver seat wiring harness)
- M42 Connection 2 (in driver seat wiring harness)
- M43 Connection 3 (in driver seat wiring harness)
- M44 Connection 4 (in driver seat wiring harness)

\* The color of the wires depends on vehicle equipment

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



# Front passenger seat heating element, Front passenger backrest heating element

- G345 Right front seat temperature sensor
- J799 Right front seat ventilation control module
- SF1 Fuse 1 (on fuse panel F)
- ST5 Fuse panel 5
- T6k 6-pin connector, green
- T8ak 8-pin connector, on the front passenger seat
- T8y 8-pin connector, on the front passenger seat
- T18c 18-pin connector
- Z8 Front passenger seat heating element
- Z9 Front passenger backrest heating element
- Z33 Front passenger seat bolster heater

- 51 Ground connection in luggage compartment, right
- 318 Ground connection 4 (in heated seats wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Front passenger seat coding wire
- \*4 The color of the wires depends on vehicle equipment

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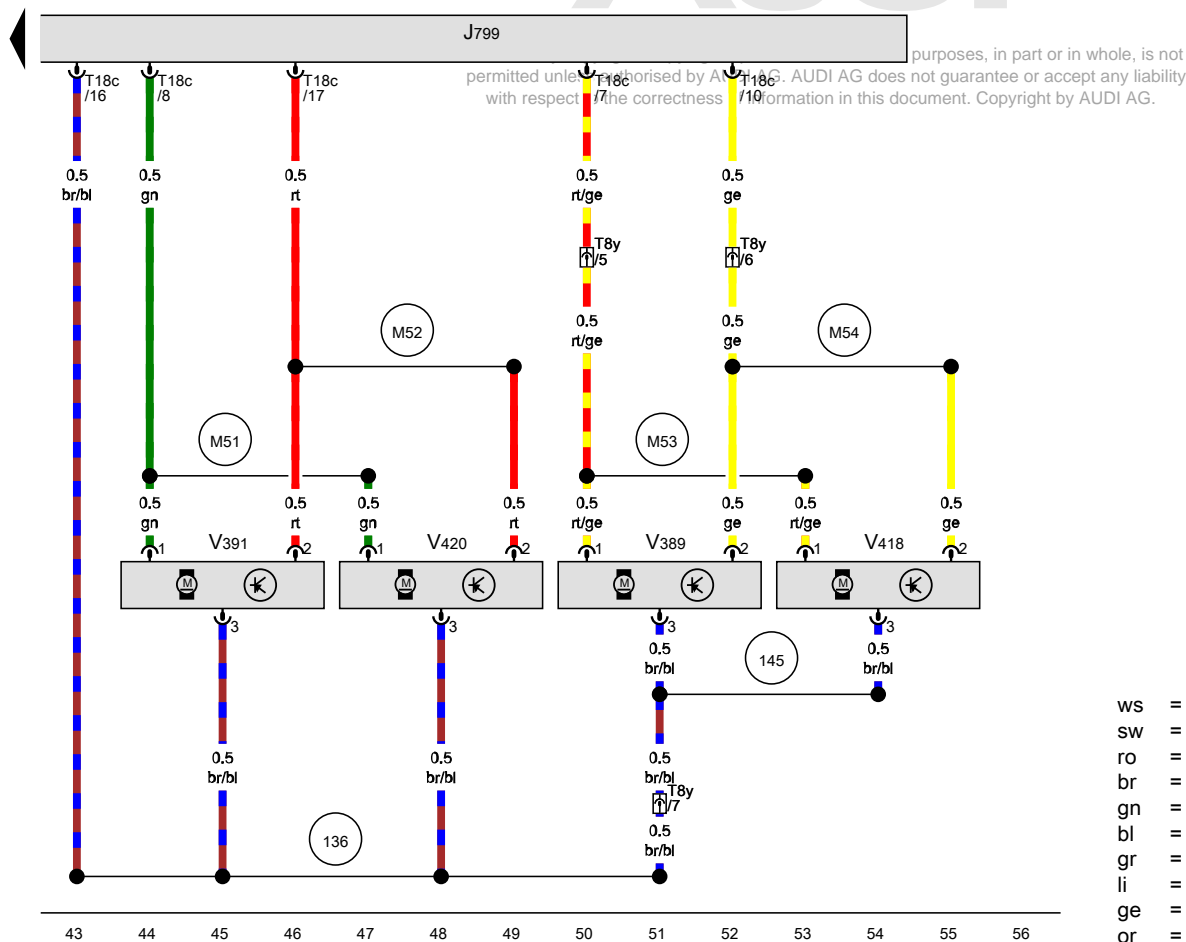
183B-0660411121



# Front passenger seat backrest blower fan, Front passenger seat cushion blower fan

- J799 Right front seat ventilation control module
- T8y 8-pin connector, on the front passenger seat
- T18c 18-pin connector
- V389 Front passenger seat backrest blower fan
- V391 Front passenger seat cushion blower fan
- V418 Front passenger seat backrest blower fan 2
- V420 Front passenger seat cushion blower fan 2

- 136 Ground connection 2 (in heated seats wiring harness)
- 145 Ground connection 3 (in heated seats wiring harness)
- M51 Connection 1 (in front passenger seat wiring harness)
- M52 Connection 2 (in front passenger seat wiring harness)
- M53 Connection 3 (in front passenger seat wiring harness)
- M54 Connection 4 (in front passenger seat wiring harness)

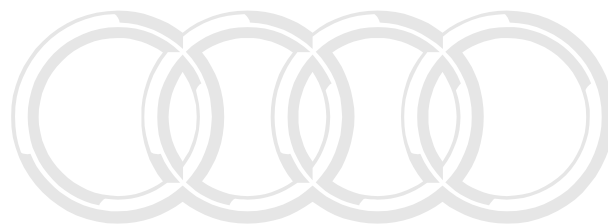


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- ro = red
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- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

[83B-066051112]

**Sunroof (open sky system)**

from September 2008

**Audi**

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**Sunroof adjustment regulator, Power sunroof control module, Sunroof motor**

- |      |                              |
|------|------------------------------|
| E139 | Sunroof adjustment regulator |
| J245 | Power sunroof control module |
| ST3  | Fuse panel 3                 |
| SC9  | Fuse 9 (on fuse panel C)     |
| T6e  | 6-pin connector              |
| T10x | 10-pin connector             |
| T16a | 16-pin connector             |
| V1   | Sunroof motor                |

- (178) Ground connection (in sunroof wiring harness)

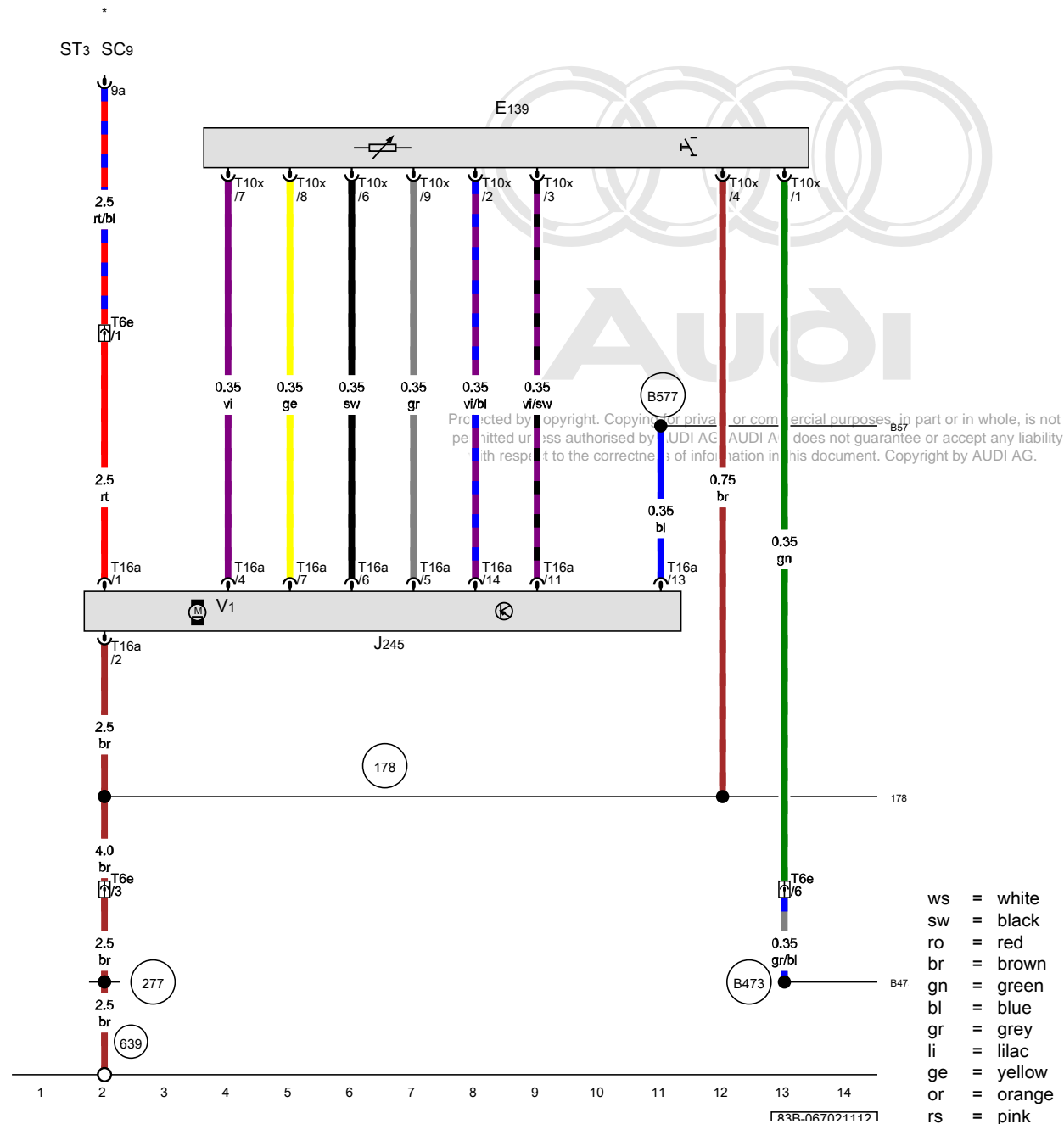
- (277) Ground connection 3 (in interior wiring harness)

- 639 Ground connection on left A-pillar

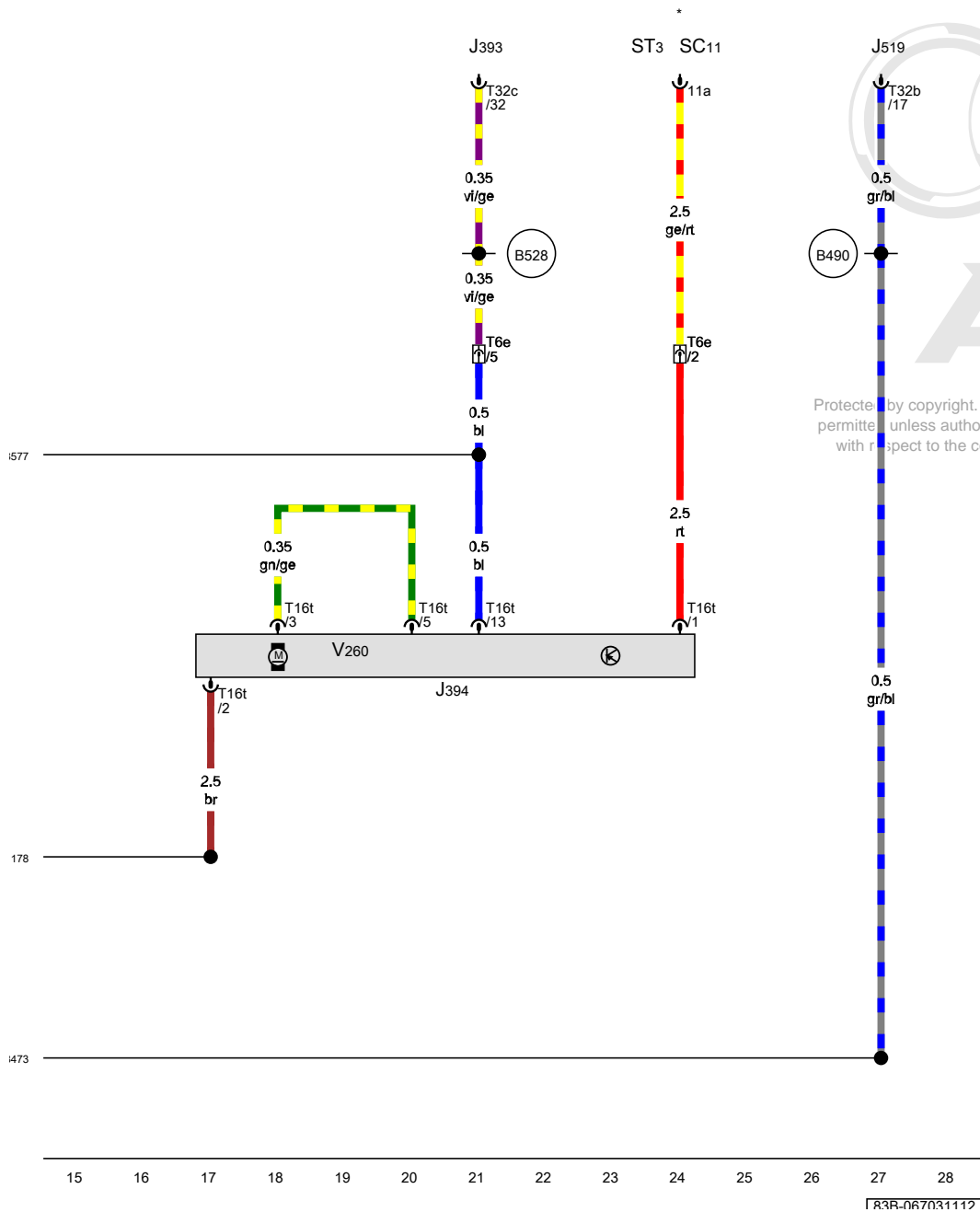
- (B473) Connection 9 (in main wiring harness)

- (B577) LIN bus connection (in roof wiring harness)

- \* Refer to applicable wiring diagram for fuse positions



ws = white  
sw = black  
ro = red  
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bl = blue  
gr = grey  
li = lilac  
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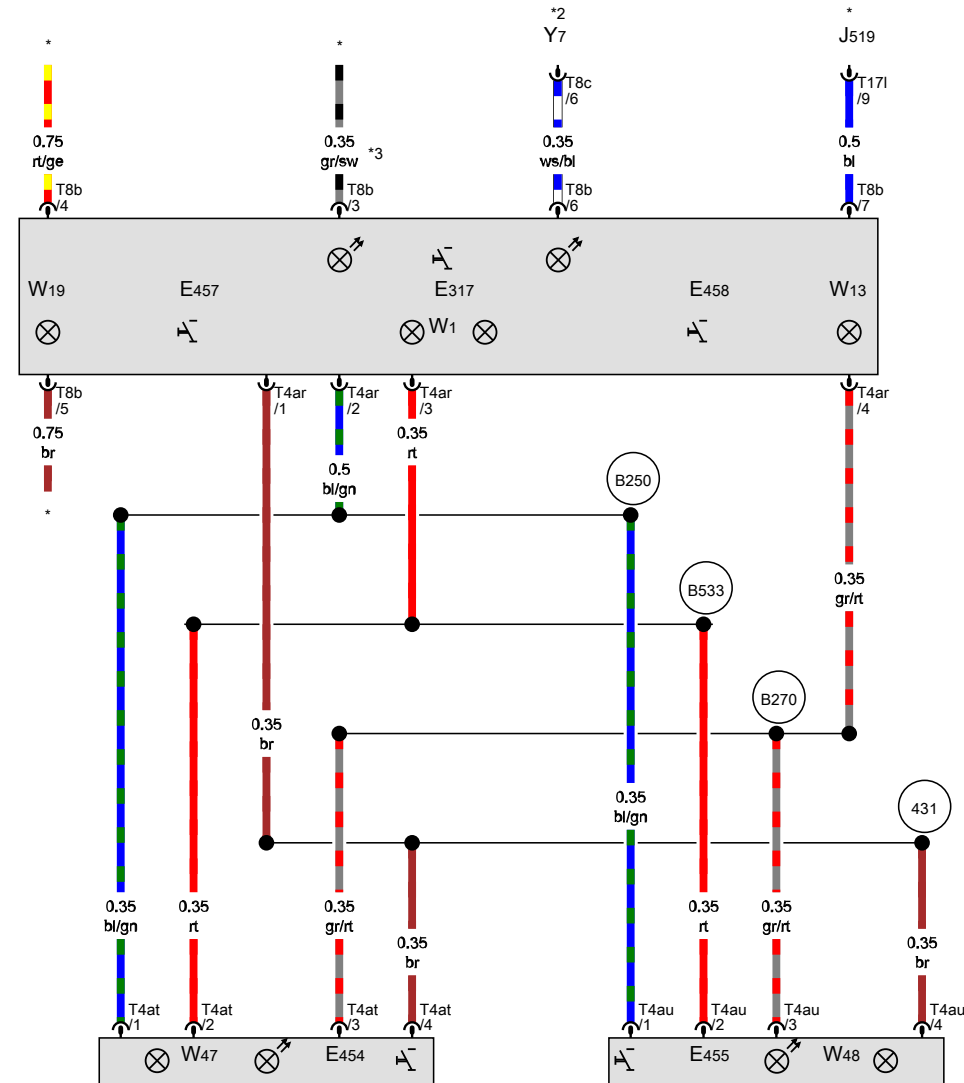


# Roof shade control module

- J393 Comfort system central control module
- J394 Roof shade control module
- J519 Vehicle electrical system control module
- ST3 Fuse panel 3
- SC11 Fuse 11 (on fuse panel C)
- T6e 6-pin connector
- T16t 16-pin connector
- T32b 32-pin connector
- T32c 32-pin connector
- V260 Sunroof shade motor

- 178 Ground connection (in sunroof wiring harness)
- B473 Connection 9 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)
- B577 LIN bus connection (in roof wiring harness)
- \* Refer to applicable wiring diagram for fuse positions

Interior lighting switch, Left rear reading lamp switch, Front interior lamp, Left rear interior lamp, Right rear interior lamp



- E317 Interior lighting switch
- E454 Left rear reading lamp switch
- E455 Right rear reading lamp switch 1
- E457 Driver reading lamp button
- E458 Front passenger reading lamp button
- J519 Vehicle electrical system control module
- T4ar 4-pin connector
- T4at 4-pin connector
- T4au 4-pin connector
- T8b 8-pin connector
- T8c 8-pin connector
- T171 17-pin connector
- W1 Front interior lamp
- W13 Front passenger reading lamp
- W19 Driver reading lamp
- W47 Left rear interior lamp
- W48 Right rear interior lamp
- Y7 Automatic dimming interior rearview mirror

431 Ground connection 2 (in roof wiring harness)

B250 Positive connection (in roof wiring harness)

B270 Connection 58s (in roof wiring harness)

B533 Door contact connection 1 (in roof wiring harness)

\* Refer to applicable standard equipment wiring diagram

\*2 Only for vehicles with automatic dimming interior rearview mirror

\*3 The color of the wires depends on vehicle equipment

ws = white

sw = black

ro = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

ge = yellow

or = orange

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

[83B-067041117]

**Cupholder with heating and cooling element**  
from September 2008



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# Cupholder with heating and cooling element

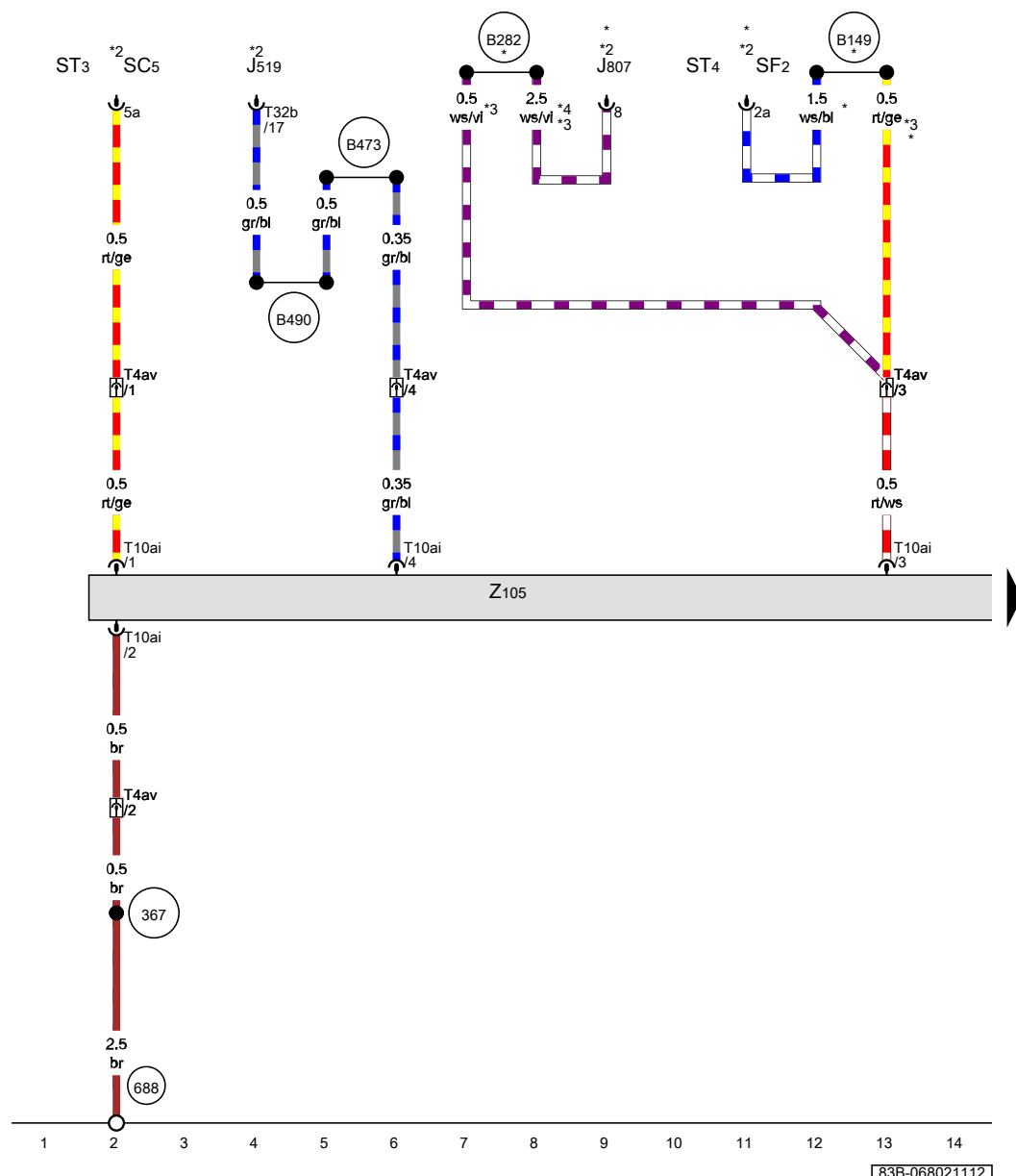
- J519 Vehicle electrical system control module
- J807 Sockets relay
- SF2 Fuse 2 (on fuse panel F)
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SC5 Fuse 5 (on fuse panel C)
- T4av 4-pin connector, under the center console
- T10ai 10-pin connector
- T32b 32-pin connector
- Z105 Cupholder with heating and cooling element

- 367 Ground connection 2 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B149 Positive connection 2 (15a) (in interior wiring harness)
- B282 Positive connection 6 (15a) (in main wiring harness)
- B473 Connection 9 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Depending on equipment
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 The color of the wires depends on vehicle equipment
- \*4 Diameter depends on equipment

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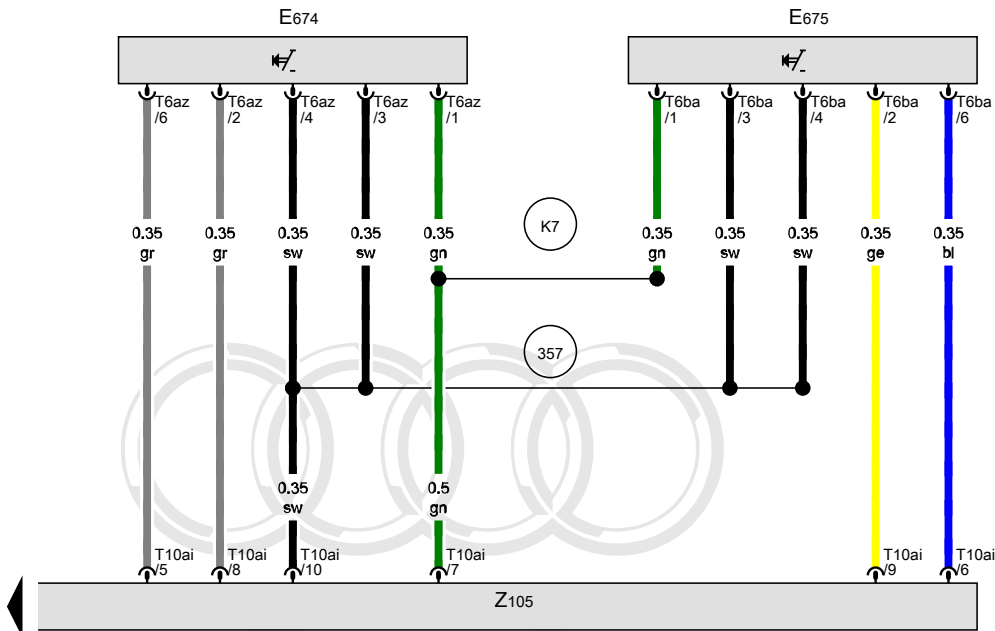
183B-0680211121

Cupholder cooling element button, Cupholder heating element button, Cupholder with heating and cooling element

- E674 Cupholder cooling element button
- E675 Cupholder heating element button
- T6az 6-pin connector
- T6ba 6-pin connector
- T10ai 10-pin connector
- Z105 Cupholder with heating and cooling element

357 Ground connection (in cupholder wiring harness)

K7 Connection 58s (in cupholder wiring harness)



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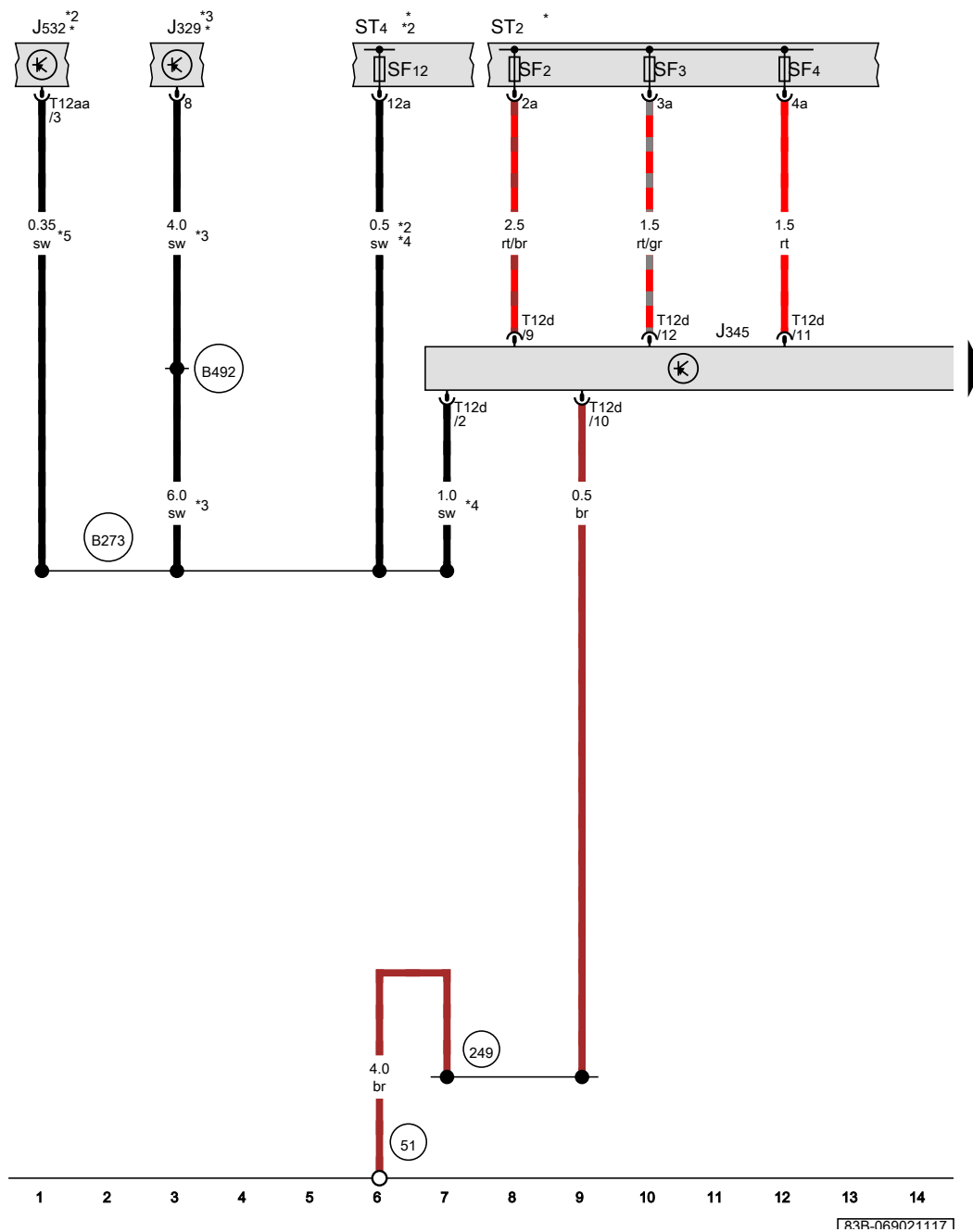
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**Trailer Mode Setup , (1D4)**

From September 2008



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# Terminal 15 Power Supply Relay, Towing Recognition Control Module, Voltage Stabilizer, Fuse Panel 2, Fuse Panel 4

- J329 Terminal 15 Power Supply Relay
- J345 Towing Recognition Control Module
- J532 Voltage Stabilizer
- SF2 Fuse 2 (On Fuse Panel F)
- ST2 Fuse Panel 2
- SF3 Fuse 3 (On Fuse Panel F)
- ST4 Fuse Panel 4
- SF4 Fuse 4 (On Fuse Panel F)
- SF12 Fuse 12 (On Fuse Panel F)
- T12aa 12-Pin Connector
- T12d 12-Pin Connector

51 Ground Connection in Luggage Compartment, Right

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249 Ground Connection 2 (in Interior Wiring Harness)

B273 Positive Connection (15) (in Main Wiring Harness)

B492 Positive Connection 3 (15) (in Interior Wiring Harness)

- \* Refer to Applicable Wiring Diagram for Fuse Positions
- \*2 From May 2009
- \*3 Through April 2009
- \*4 Diameter Depends on Equipment
- \*5 For Vehicles with Stop/Start System

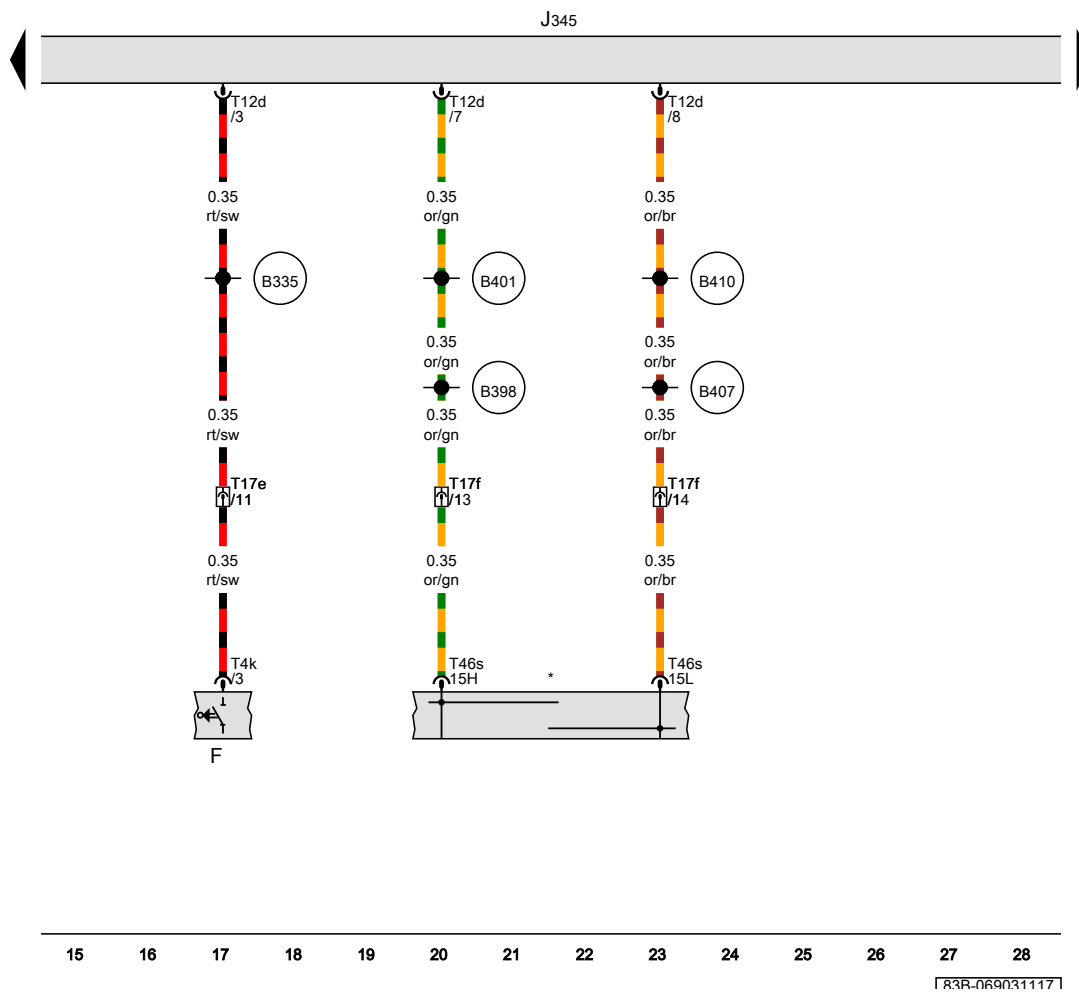
# Brake Lamp Switch, Towing Recognition Control Module

- F Brake Lamp Switch
- J345 Towing Recognition Control Module
- T4k 4-Pin Connector
- T12d 12-Pin Connector
- T17e 17-Pin Connector, Red
- T17f 17-Pin Connector, Brown
- T46s 46-Pin Connector

- B335 Connection 54 (in Main Wiring Harness) 1
- B398 Comfort System CAN Bus High Connection 2 (in Main Wiring Harness)
- B401 Comfort System CAN Bus High Connection 5 (in Main Wiring Harness)
- B407 Comfort System CAN Bus Low Connection 2 (in Main Wiring Harness)
- B410 Comfort System CAN Bus Low Connection 5 (in Main Wiring Harness)

\* Front Passenger Connection Bridge, Brown

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### Towing Recognition Control Module, Trailer Fuse (Terminal 30), B+)

J345 Towing Recognition Control Module  
S77 Trailer Fuse (Terminal 30), B+  
T2cy 2-Pin Connector, Near the Center Console  
T4aq 4-Pin Connector, Black

(370) Ground Connection 5 (in Main Wiring Harness)

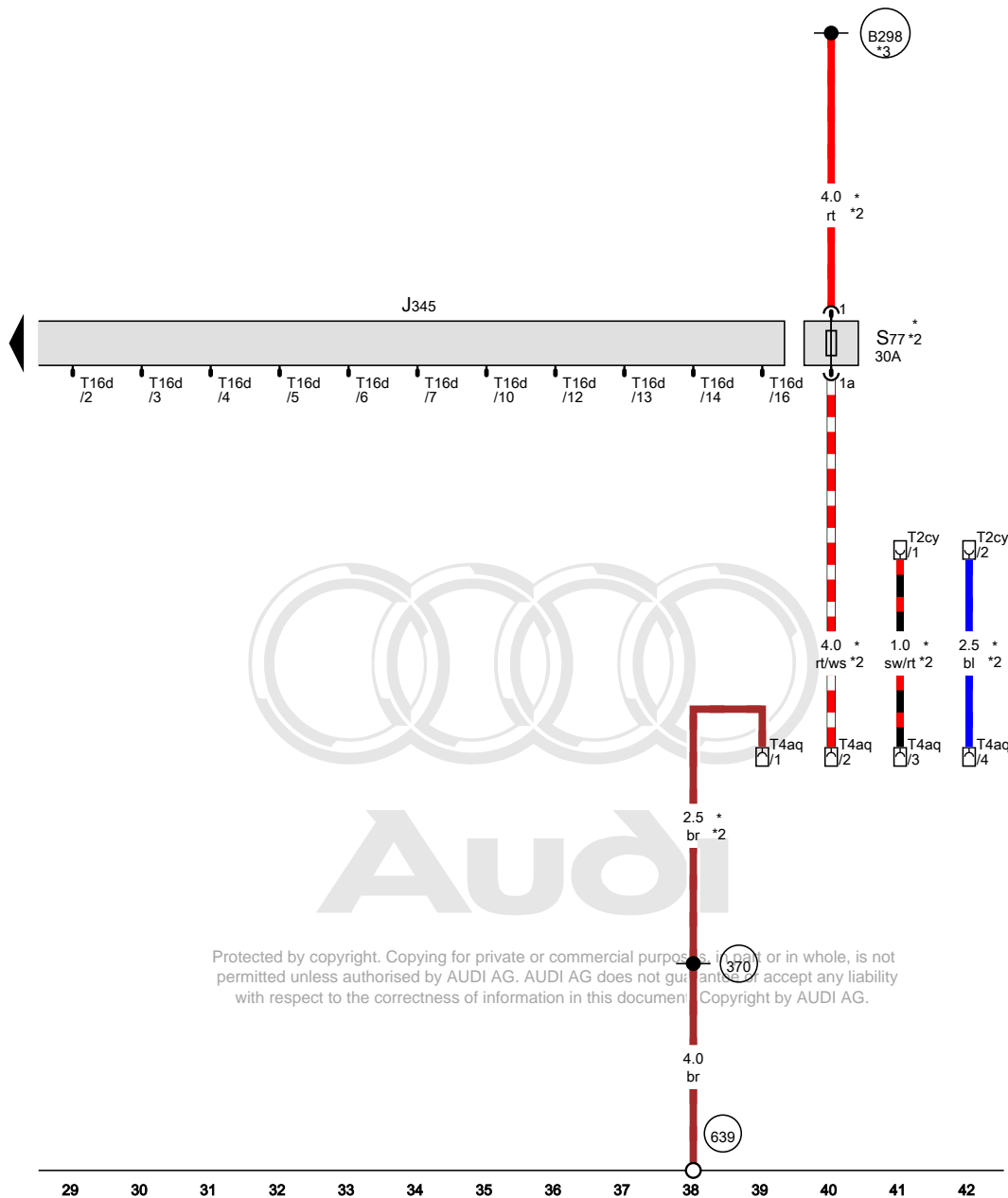
639 Ground Connection on Left A-Pillar

(B298) Positive Connection 2 (30) (in Main Wiring Harness)

\* For USA Only

\*2 For Australia

\*3 Refer to Applicable Wiring Diagram for Fuse Positions



ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
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vi = lilac  
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**Automatic transmission - 6-speed with tiptronic**

from September 2008



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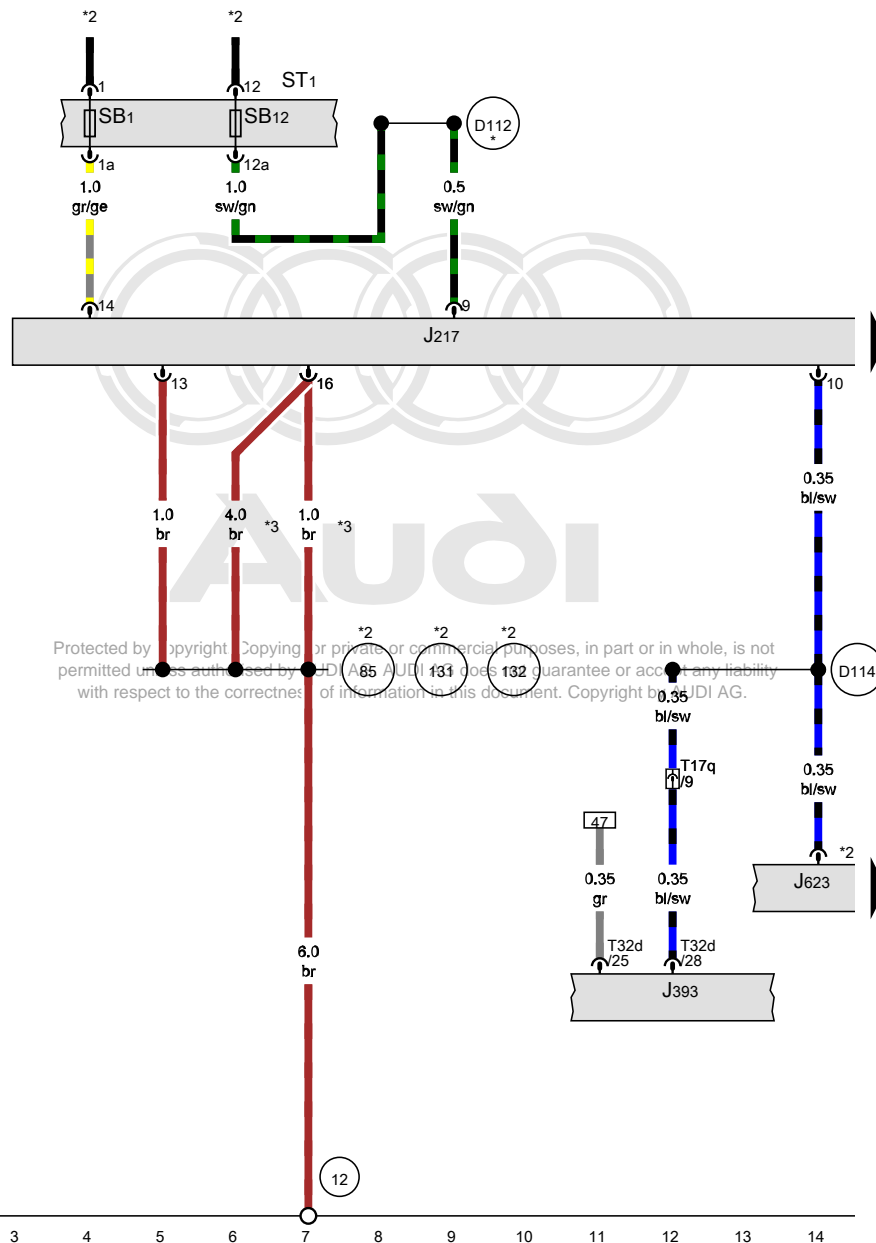
Transmission control module, Comfort system central control module, Engine control module

J217 Transmission control module  
J393 Comfort system central control module  
J623 Engine control module  
ST1 Fuse panel 1  
SB1 Fuse 1 (on fuse panel B)  
SB12 Fuse 12 (on fuse panel B)  
T17q 17-pin connector, red  
T32d 32-pin connector

12 Ground connection in engine compartment, left  
85 Ground connection 1 (in engine compartment wiring harness)  
131 Ground connection 2 (in engine compartment wiring harness)  
132 Ground connection 3 (in engine compartment wiring harness)  
D112 Connection 10 (in engine compartment wiring harness)  
D114 Connection 12 (in engine compartment wiring harness)

\* Only for vehicles with a diesel engine  
\*2 Refer to applicable engine wiring diagram  
\*3 Depending on equipment

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



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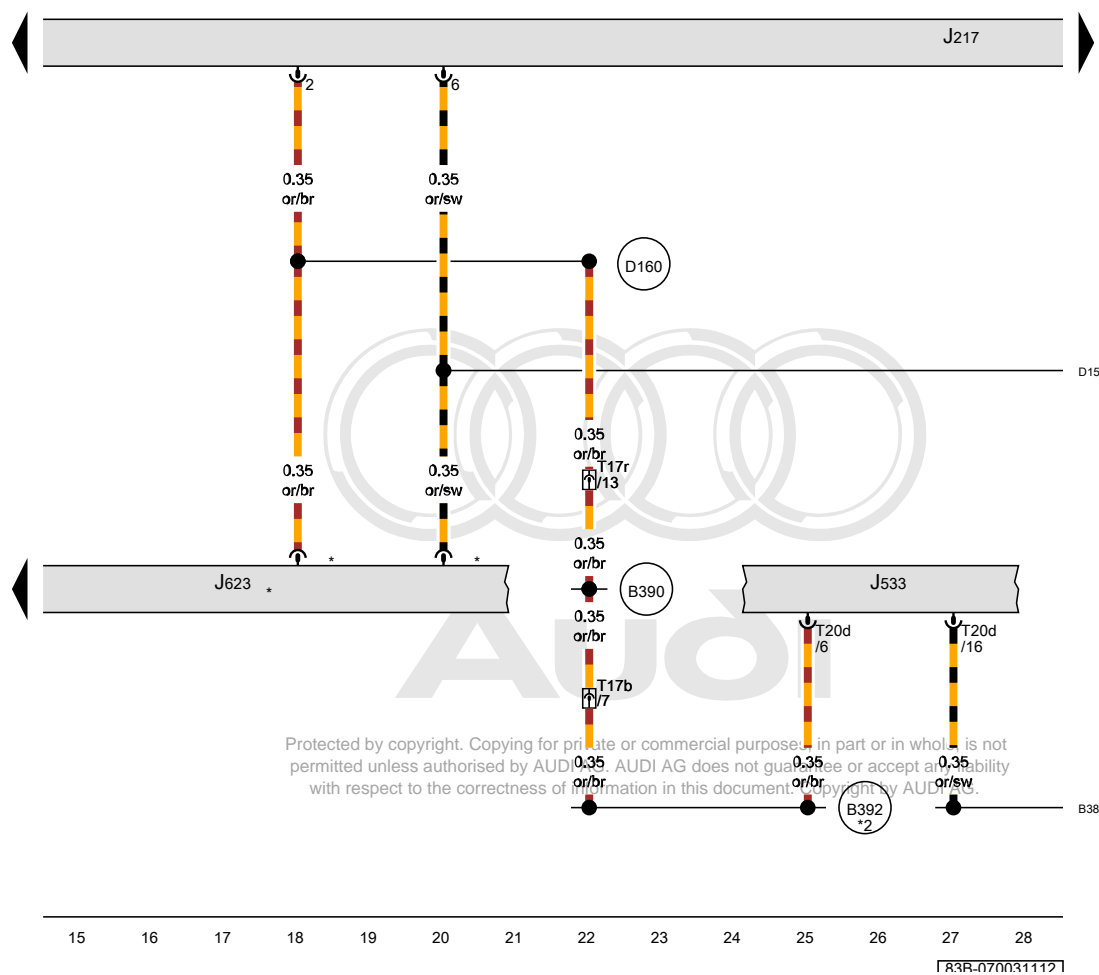


Transmission control module, Data bus on board diagnostic interface, Engine control module

- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- T17b 17-pin connector, blue
- T17r 17-pin connector, white
- T20d 20-pin connector

- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Running change

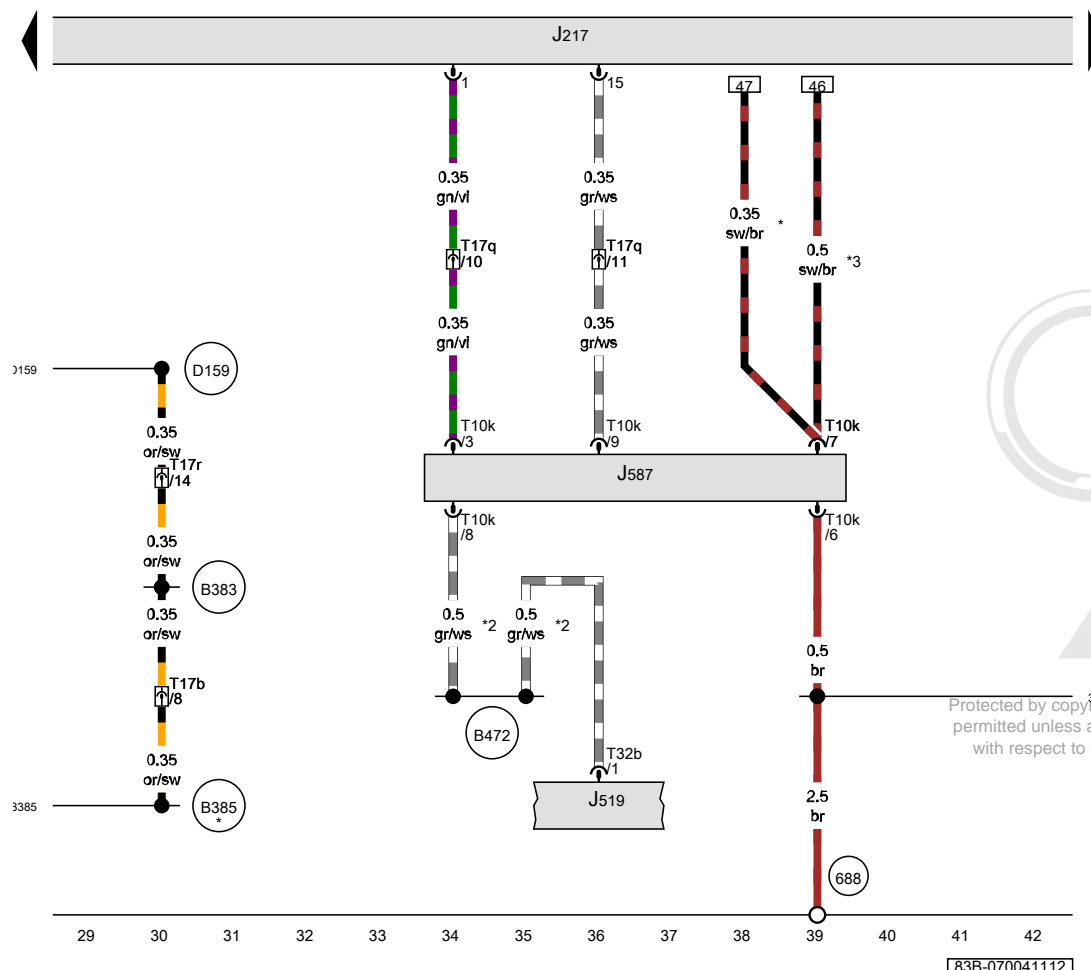


- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Transmission control module, Vehicle electrical system control module, Selector lever sensor system control module

- J217 Transmission control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- T10k 10-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T32b 32-pin connector

- 367 Ground connection 2 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B472 Connection 8 (in main wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- \* Running change
- \*2 Diameter depends on equipment
- \*3 Omitted as a running change



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ge = yellow  
or = orange  
rs = pink

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Transmission park selector switch, Transmission control module, Shift lock solenoid

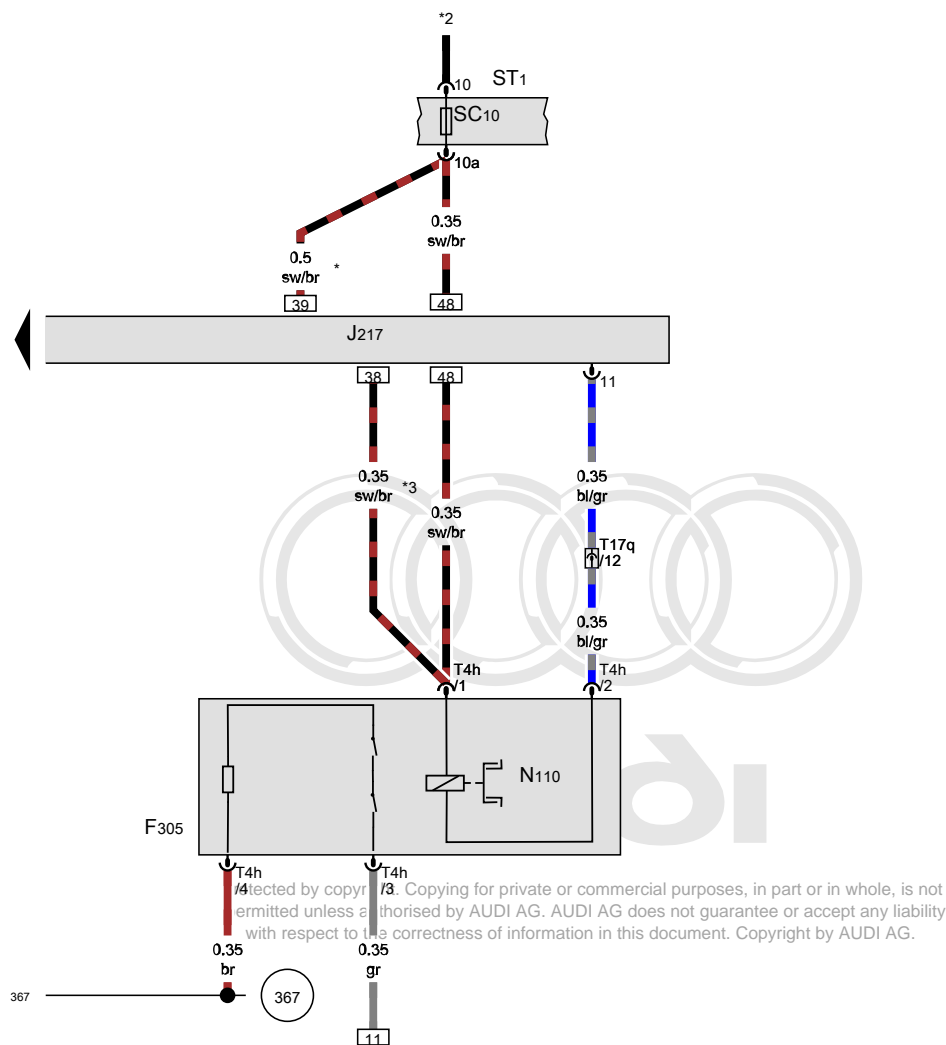
- F305 Transmission park selector switch
- J217 Transmission control module
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC10 Fuse 10 (on fuse panel C)
- T4h 4-pin connector
- T17q 17-pin connector, red

367 Ground connection 2 (in main wiring harness)

\* Omitted as a running change

\*2 Refer to applicable wiring diagram for fuse positions

\*3 Running change



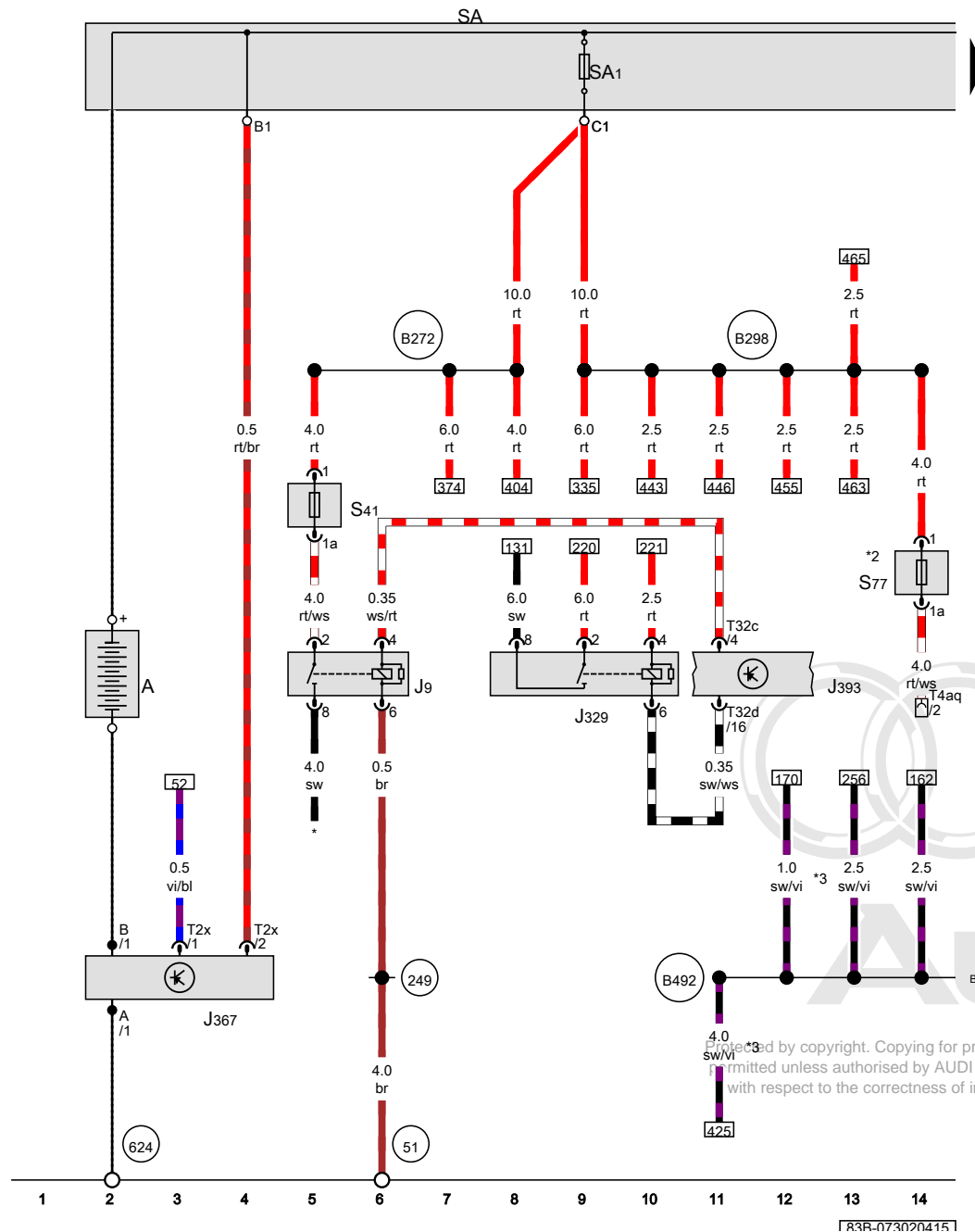
- ws = white
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**Fuse positions**  
from May 2009



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Battery, Battery monitoring control module, Fuse 1 (on fuse panel A), Trailer fuse (terminal 30), B+

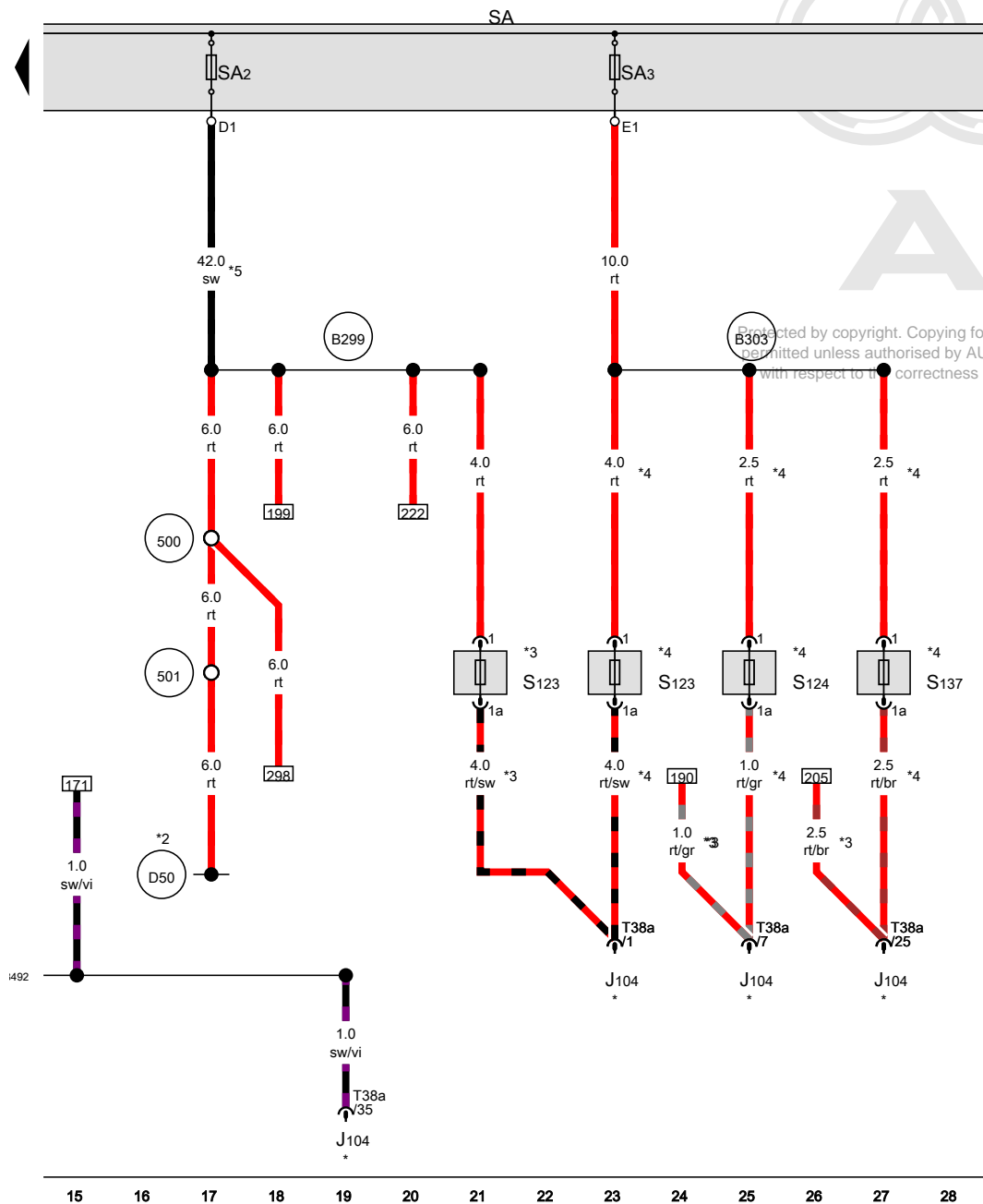
- A Battery
- J9 Rear window defogger relay
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA1 Fuse 1 (on fuse panel A)
- S41 Rear window defogger fuse
- S77 Trailer fuse (terminal 30), B+
- SA Fuse panel A
- T2x Double connector
- T4aq 4-pin connector, black
- T32c 32-pin connector
- T32d 32-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 624 Ground connection near starter battery
- B272 Positive connection (30) (in main wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to applicable wiring diagram for trailer prewiring
- \*3 Diameter depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
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- gn = green
- bl = blue
- gr = grey
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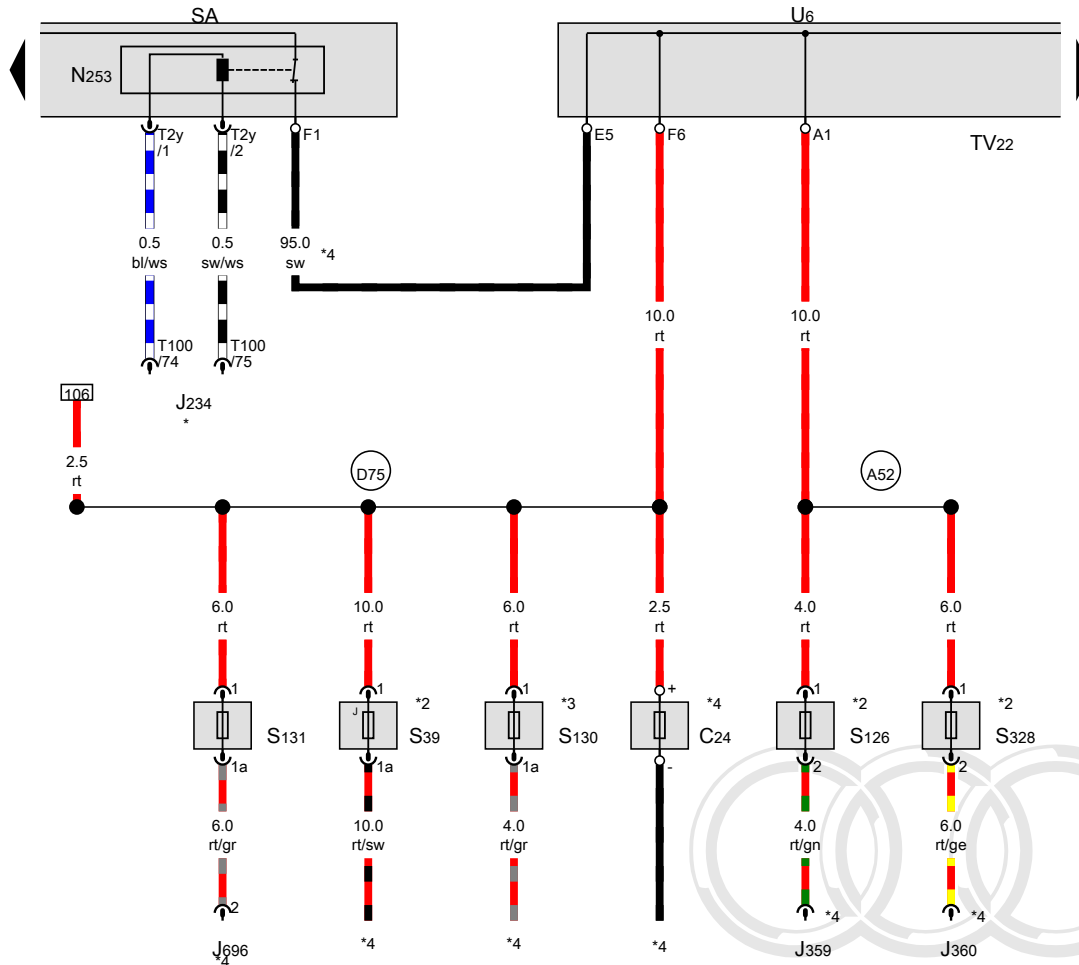


# Fuse 2 (on fuse panel A), Fuse 3 (on fuse panel A)

- J104 ABS control module
- S123 ABS control module fuse 1
- S124 ABS control module fuse 2
- S137 ABS control module fuse 3
- SA Fuse panel A
- SA2 Fuse 2 (on fuse panel A)
- SA3 Fuse 3 (on fuse panel A)
- T38a 38-pin connector
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- B299 Positive connection 3 (30) (in main wiring harness)
- B303 Positive connection 7 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for ABS
- \*2 Refer to applicable wiring diagram for engine/coolant fan
- \*3 Only for left-hand drive vehicles
- \*4 Only for right-hand drive vehicles
- \*5 Diameter depends on equipment

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
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 li = lilac  
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 rs = pink

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Battery interrupt igniter, Terminal 30 wire junction 2, Battery jump start terminal

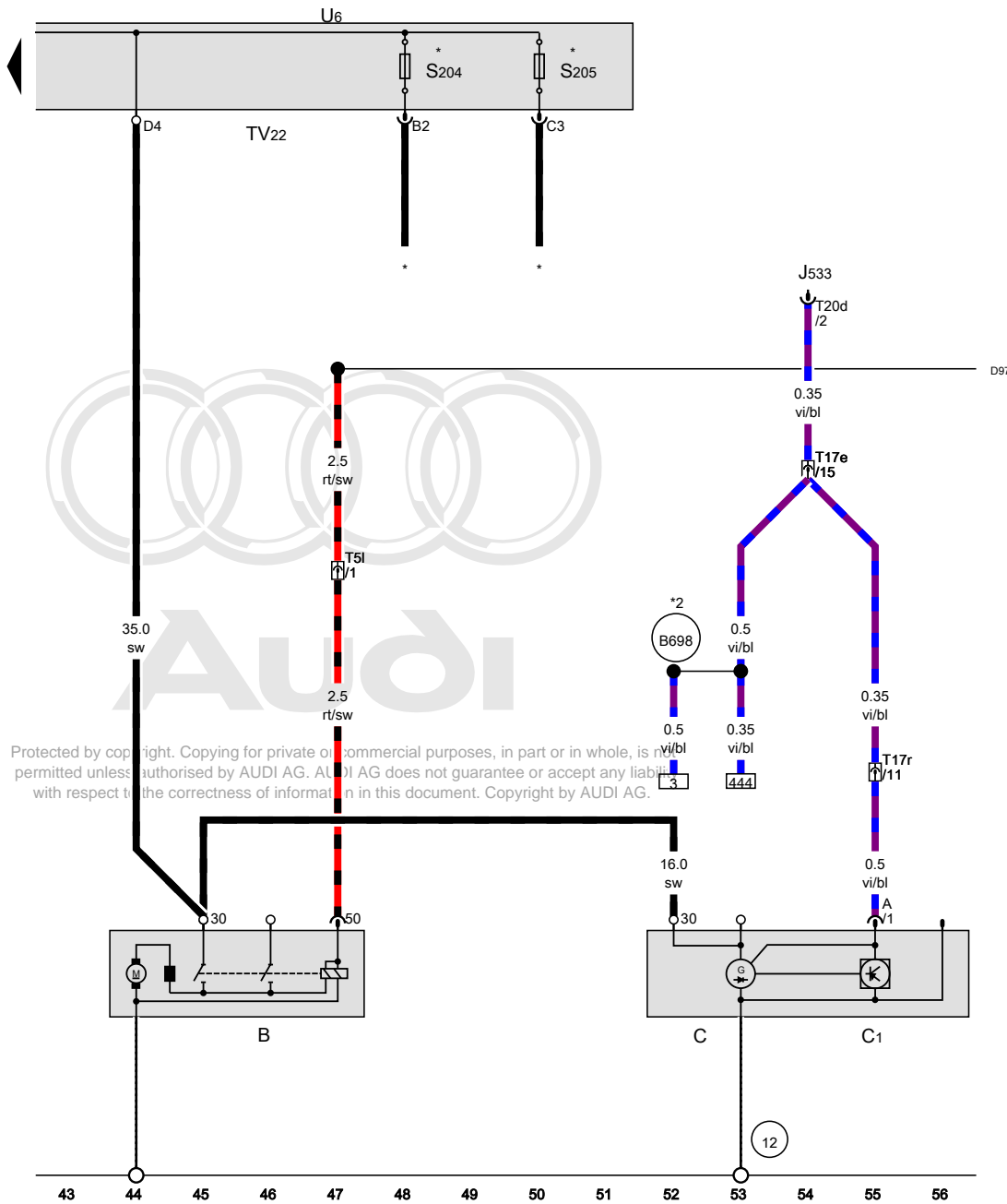
- C24 Suppressor
- J234 Airbag control module
- J359 Low heat output relay
- J360 High heat output relay
- J696 Transmission cooling circuit relay
- N253 Battery interrupt igniter
- S39 Engine glow plug fuse strip
- S126 Auxiliary heater fuse
- S130 Secondary air injection pump fuse
- S131 Safety fuse 1
- S328 Auxiliary heater fuse 2
- SA Fuse panel A
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- U6 Battery jump start terminal
- A52 Positive connection 2 (30) (in instrument panel wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable airbag wiring diagram
- \*2 Only for vehicles with a diesel engine
- \*3 Only for vehicles with gasoline engine
- \*4 Refer to applicable engine wiring diagram

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 ro = red  
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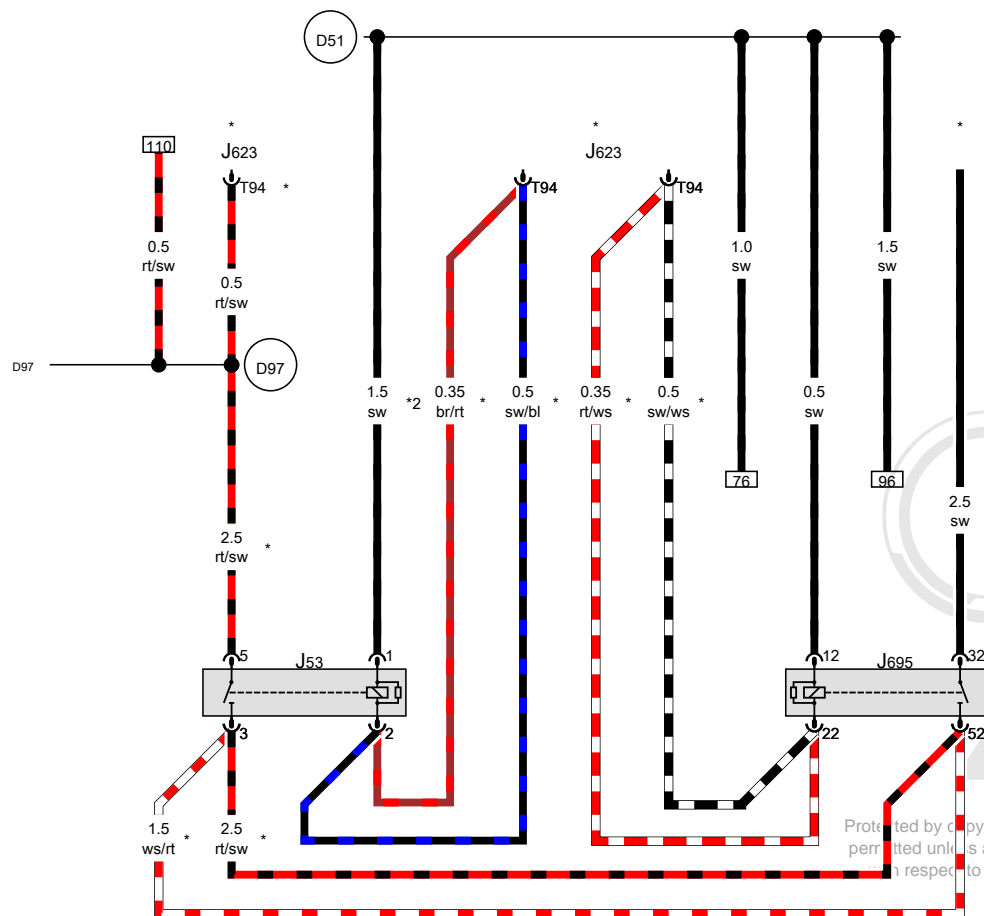
# Starter, Generator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- J533 Data bus on board diagnostic interface
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- T5l 5-pin connector, black
- T17e 17-pin connector, in the left A-pillar connector station
- T17r 17-pin connector, in the E-box
- T20d 20-pin connector
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- 12 Ground connection in engine compartment, left
- B698 LIN bus connection 3 (in main wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable coolant fan wiring diagram
- \*2 Only for vehicles with Stop/Start system

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



Starter relay, Relay 2 for starter



- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- T94 94-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Diameter depends on equipment
- \*3 1.5 diameter possible

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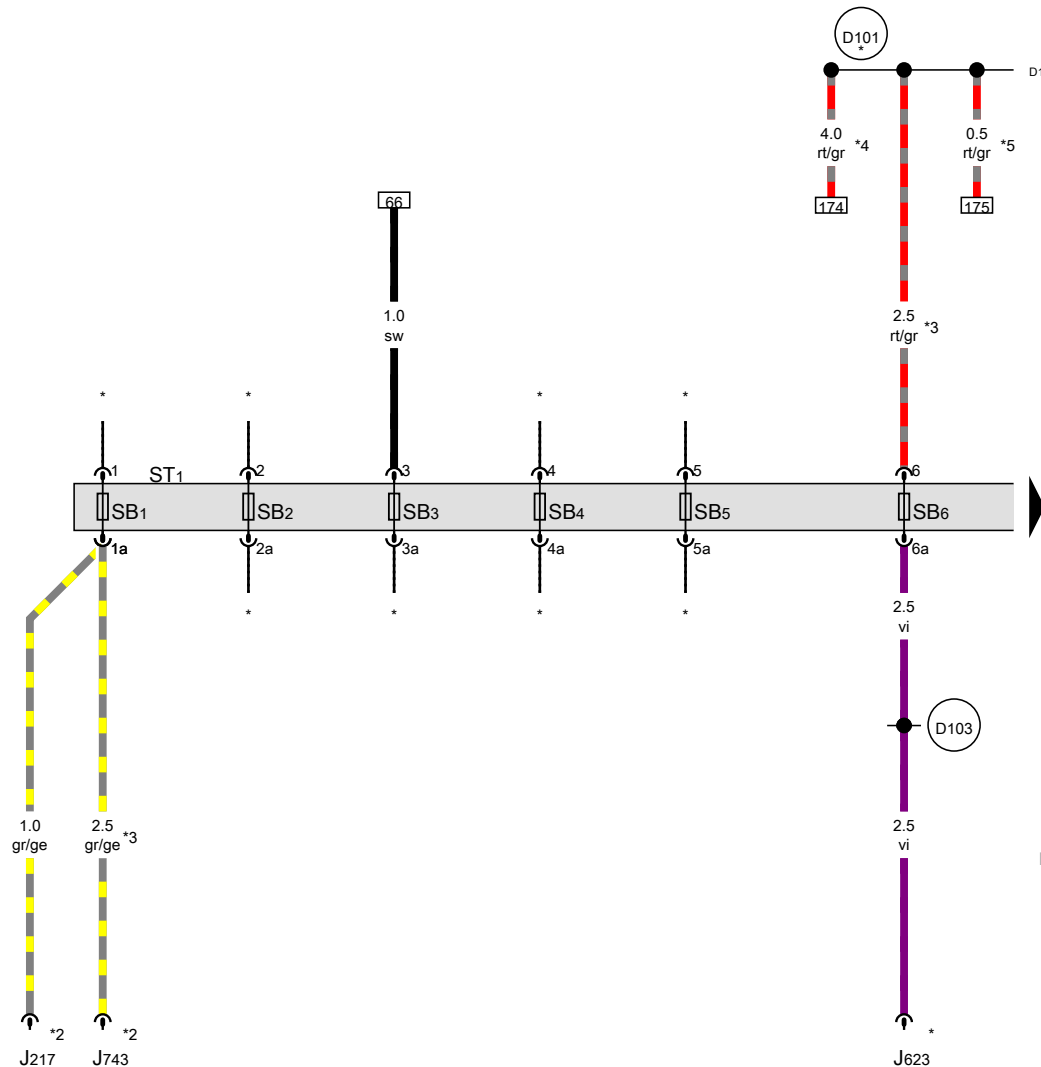
Fuse panel 1, Fuse 1 (on fuse panel B), Fuse 6 (on fuse panel B)

- J217 Transmission control module
- J623 Engine control module
- J743 DSG transmission Mechatronic
- ST1 Fuse panel 1
- 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)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)

D101 Connection 1 (in engine compartment wiring harness)

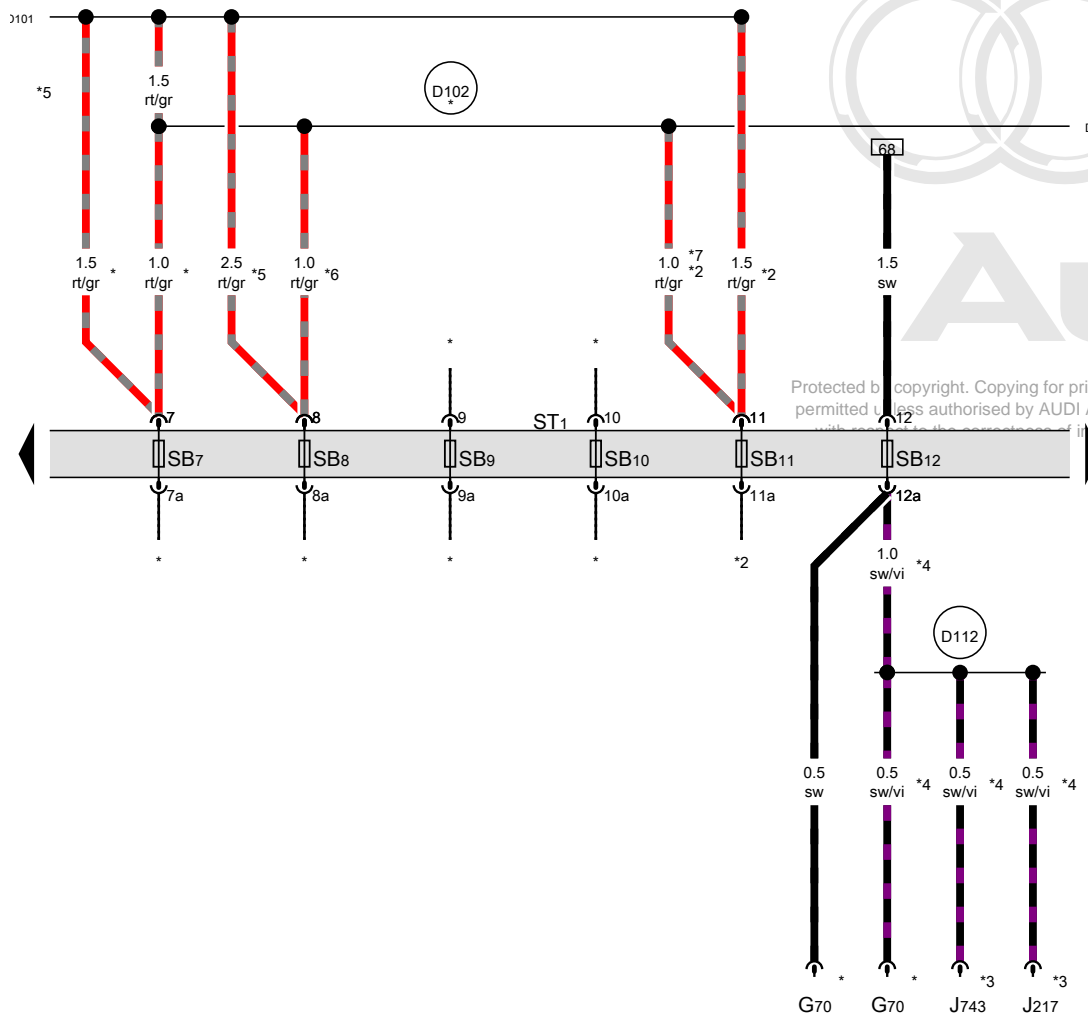
D103 Connection 3 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable transmission wiring diagram
- \*3 1.5 diameter possible
- \*4 Only for vehicles with gasoline engine
- \*5 Only for vehicles with a diesel engine



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



Fuse panel 1, Fuse 7 (on fuse panel B), Fuse 12 (on fuse panel B)

- G70 Mass airflow sensor
- J217 Transmission control module
- J743 DSG transmission Mechatronic
- ST1 Fuse panel 1
- 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)

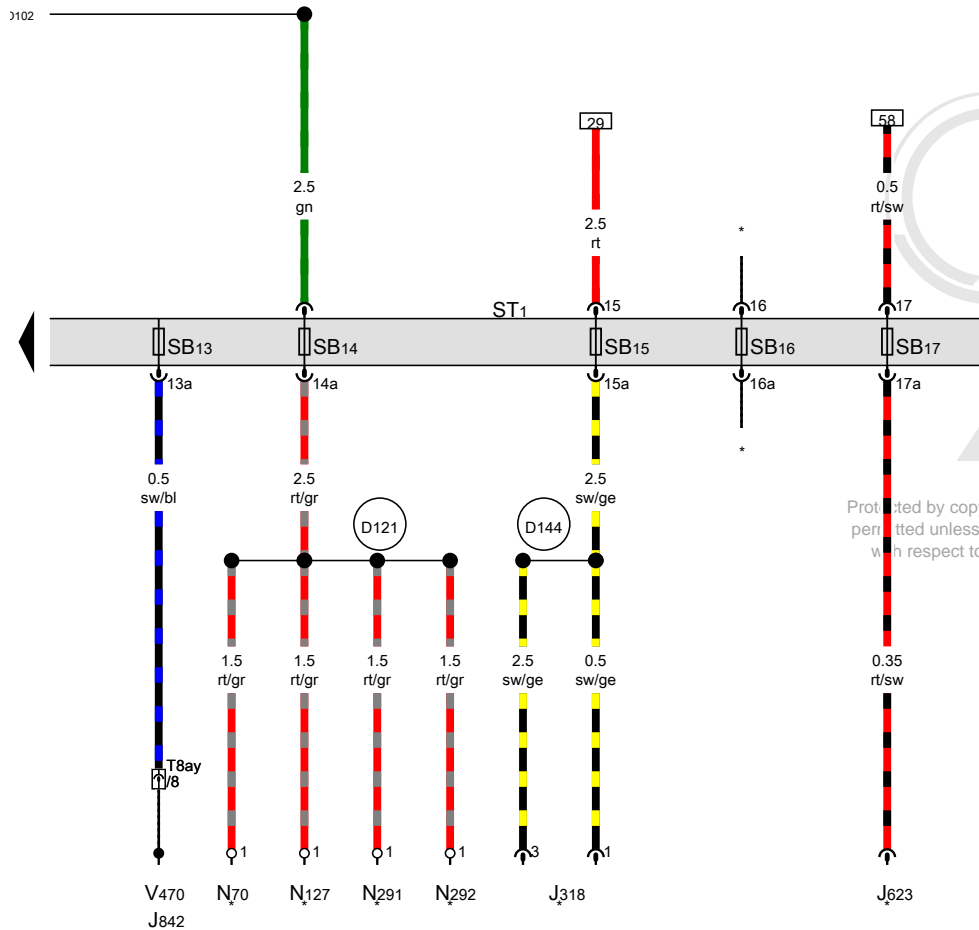
D101 Connection 1 (in engine compartment wiring harness)

D102 Connection 2 (in engine compartment wiring harness)

D112 Connection 10 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable coolant fan wiring diagram
- \*3 Refer to applicable transmission wiring diagram
- \*4 The color of the wires depends on vehicle equipment
- \*5 Only for vehicles with gasoline engine
- \*6 Only for vehicles with a diesel engine
- \*7 1.5 diameter possible

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- ro = red
- rt = red
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- or = orange
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Fuse panel 1, Fuse 13 (on fuse panel B), Fuse 17 (on fuse panel B)

- J318 Vacuum pump relay
- J623 Engine control module
- J842 A/C compressor 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
- ST1 Fuse panel 1
- SB13 Fuse 13 (on fuse panel B)
- SB14 Fuse 14 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- SB17 Fuse 17 (on fuse panel B)
- T8ay 8-pin connector
- V470 Electrical A/C compressor

D102 Connection 2 (in engine compartment wiring harness)

D121 Connection 19 (in engine compartment wiring harness)

D144 Positive connection 5 (30) (in engine compartment wiring harness)

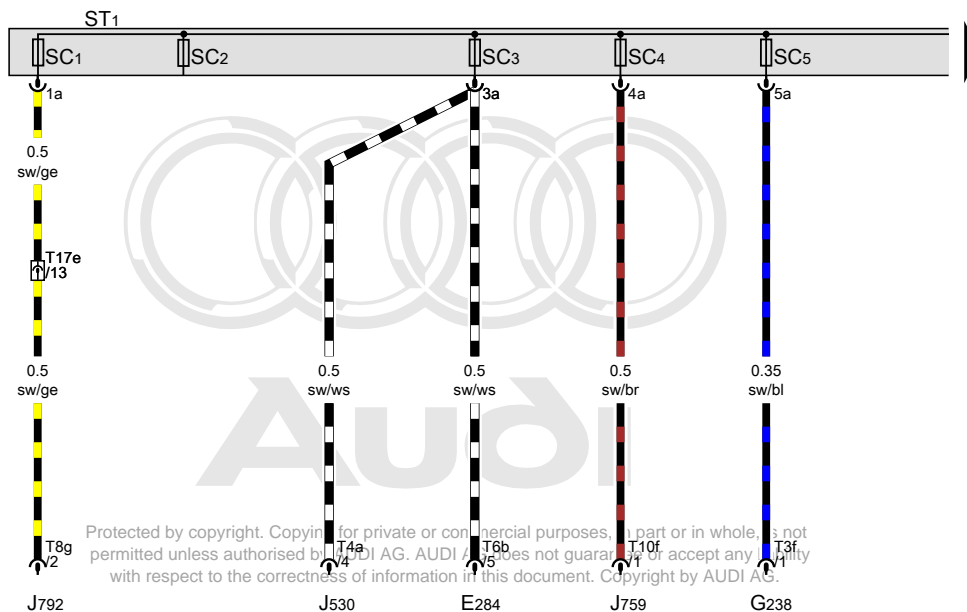
\* Refer to applicable engine wiring diagram

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Fuse 1 (on fuse panel C), Fuse panel 1, Fuse 5 (on fuse panel C)

- E284 Garage door opener control head
- G238 Air quality sensor
- J530 Garage door opener control module
- J759 Directional stabilization assistance control module
- J792 Active steering control module
- SC1 Fuse 1 (on fuse panel C)
- ST1 Fuse panel 1
- 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)
- T3f 3-pin connector
- T4a 4-pin connector
- T6b 6-pin connector
- T8g 8-pin connector
- T10f 10-pin connector
- T17e 17-pin connector, in the left A-pillar connector station



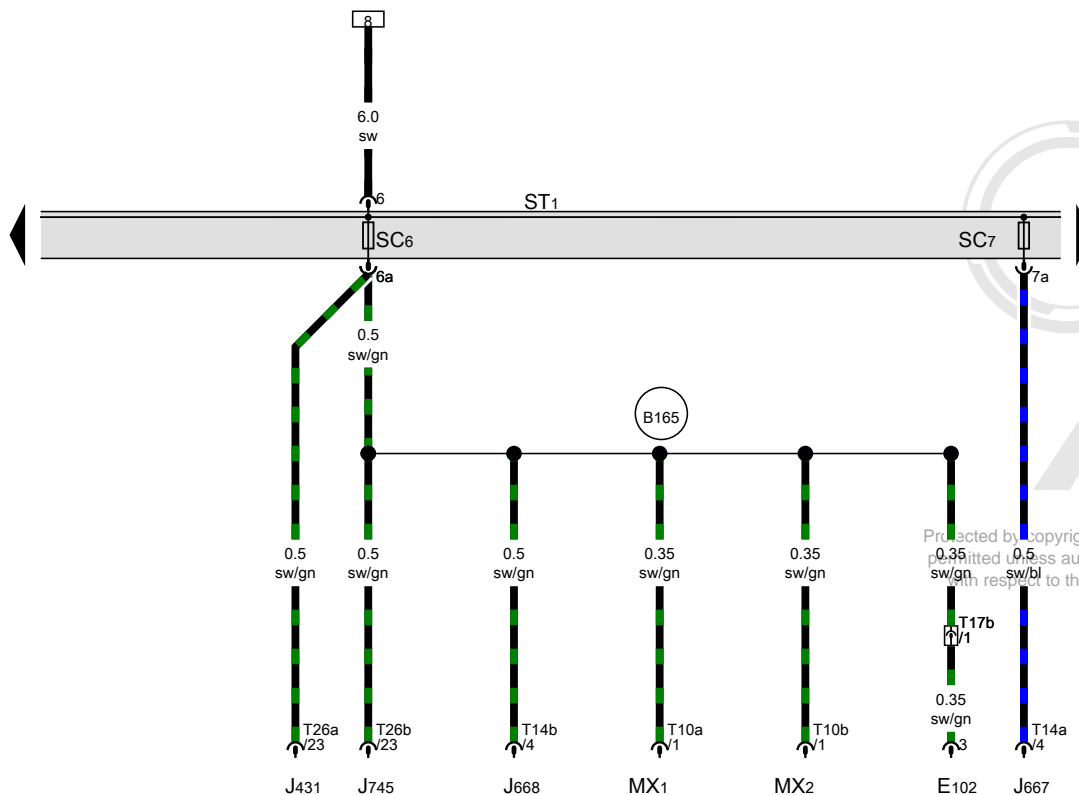
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Fuse panel 1, Fuse 6 (on fuse panel C), Fuse 7 (on fuse panel C)

- E102 Headlamp range control adjuster
- J431 Headlamp range control module
- J667 Left headlamp power output stage
- J668 Right headlamp power output stage
- J745 Cornering lamp and headlamp range control module
- MX1 Left front headlamp
- MX2 Right front headlamp
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T10a 10-pin connector
- T10b 10-pin connector
- T14a 14-pin connector
- T14b 14-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T26a 26-pin connector
- T26b 26-pin connector

B165 Positive connection 2 (15) (in interior wiring harness)



- ws = white
- sw = black
- ro = red
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- br = brown
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127 128 129 130 131 132 133 134 135 136 137 138 139 140

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Fuse panel 1, Fuse 8 (on fuse panel C), Fuse 12 (on fuse panel C)

- G395 A/C pressure/temperature sensor
- G476 Clutch position sensor
- J428 Distance regulation control module
- J519 Vehicle electrical control module system
- J587 Selector lever sensor system control module
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)

T2 Double connector

T2r Double connector

T3t 3-pin connector

T4h 4-pin connector

T6g 6-pin connector

T8a 8-pin connector

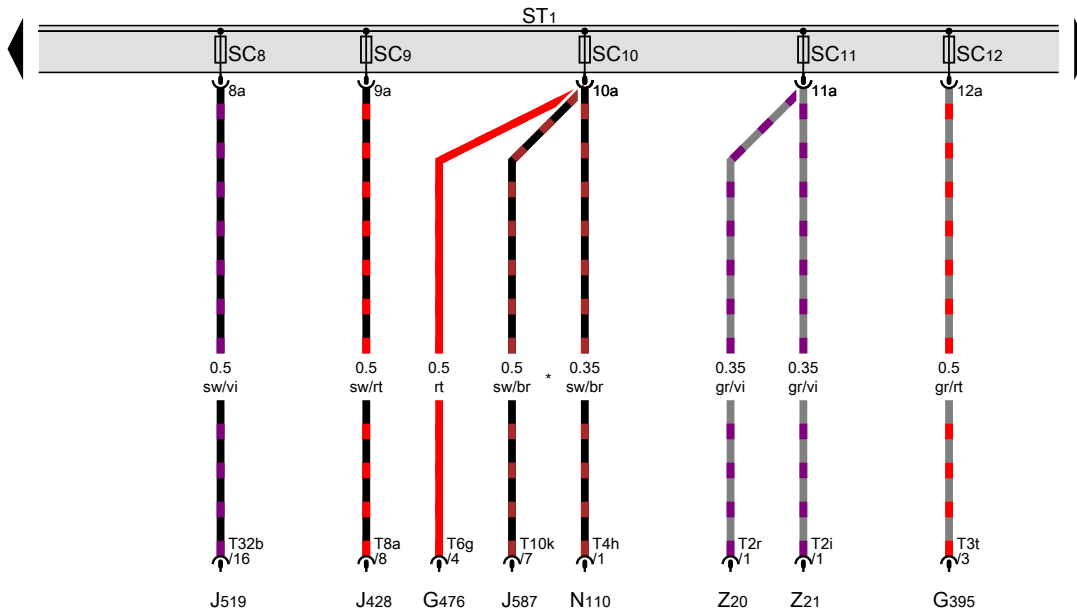
T10k 10-pin connector

T32b 32-pin connector

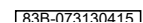
Z20 Left washer nozzle heater

Z21 Right washer nozzle heater

\* Omitted as a running change



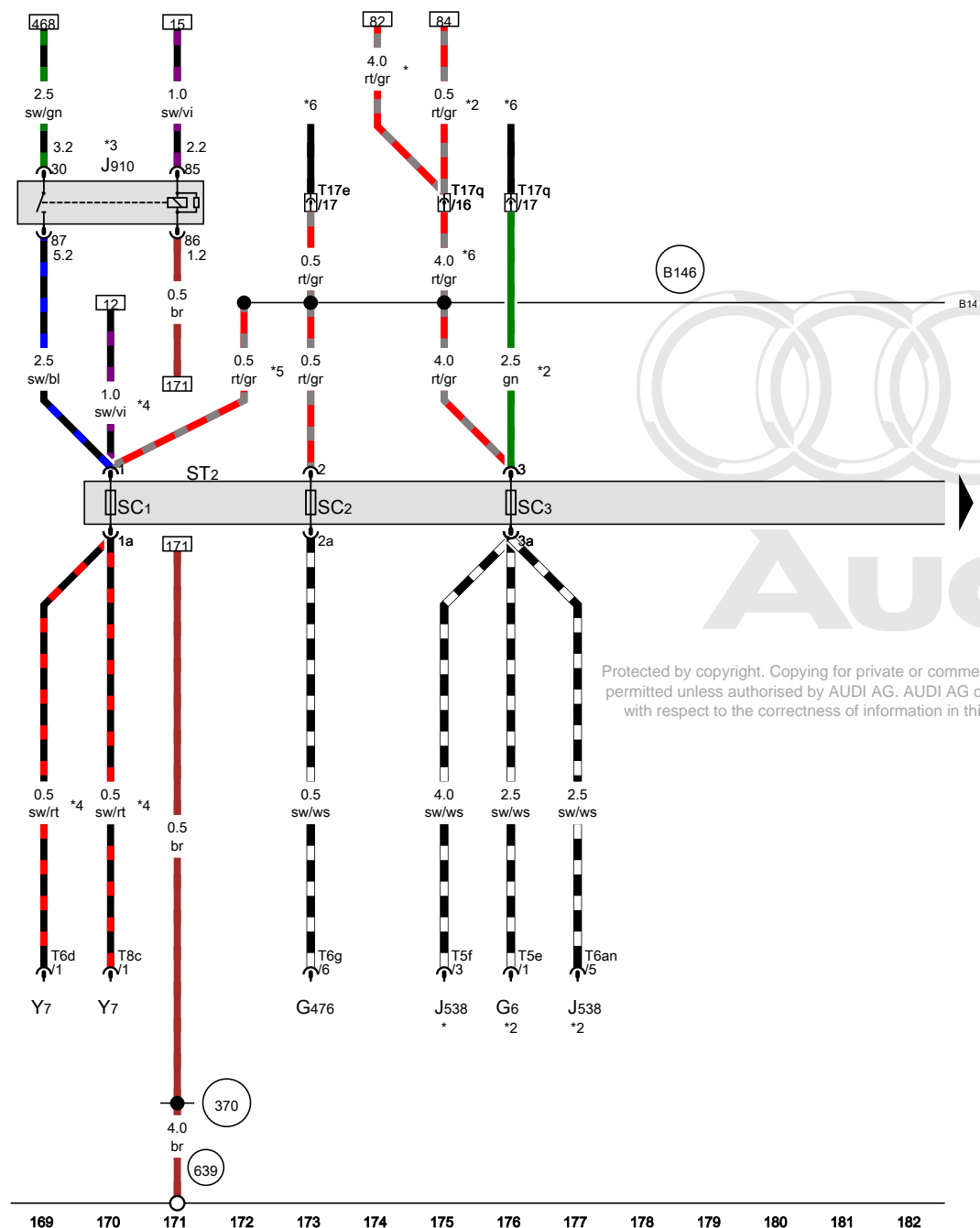
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- ge = yellow
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- \* Only for vehicles with standard equipment
- \*2 Refer to applicable seat adjustment wiring diagram
- \*3 Refer to applicable engine wiring diagram



Automatic dimming interior rearview mirror relay, Fuse 1 (on fuse panel C), Fuse panel 2, Fuse 3 (on fuse panel C)



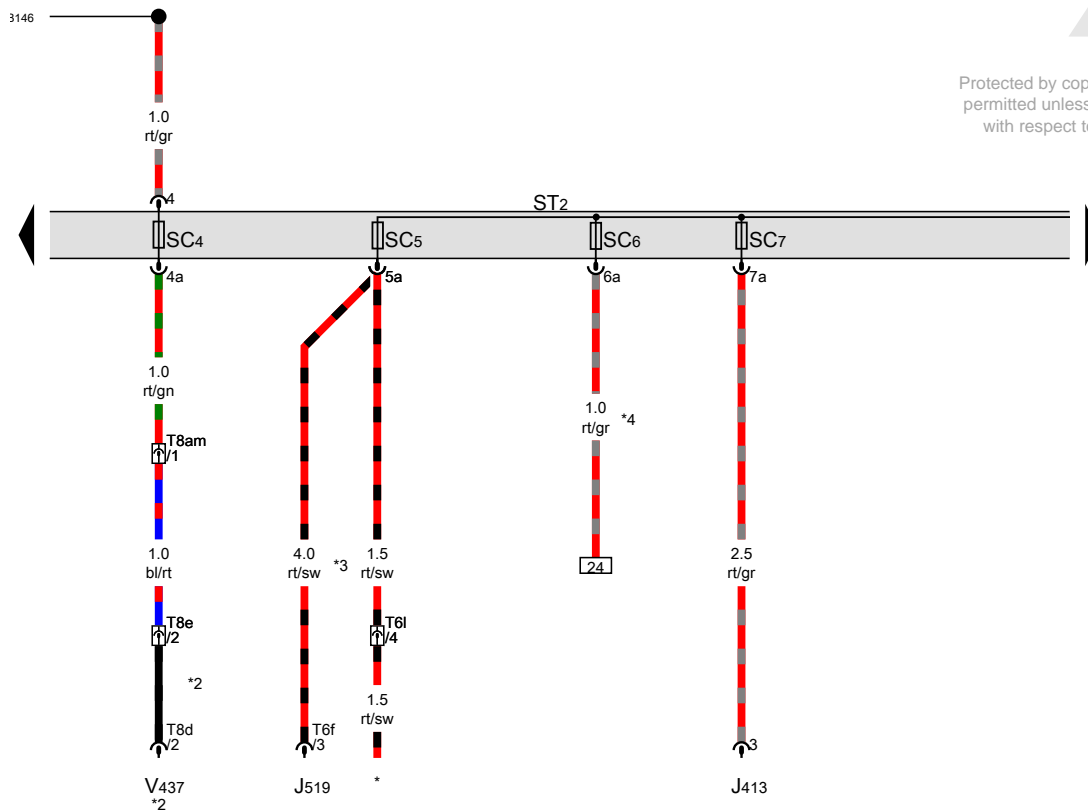
- G6 Transfer fuel pump
- G476 Clutch position sensor
- J538 Fuel pump control module
- J910 Automatic dimming interior rearview mirror relay
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- T5e 5-pin connector
- T5f 5-pin connector
- T6an 6-pin connector
- T6d 6-pin connector
- T6g 6-pin connector
- T8c 8-pin connector
- T17e 17-pin connector, in the left A-pillar connector station
- T17q 17-pin connector, in the E-box
- Y7 Automatic dimming interior rearview mirror

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B146 Positive connection 1 (87) (in interior wiring harness)

- \* Only for vehicles with gasoline engine
- \*2 Only for vehicles with a diesel engine
- \*3 Only for vehicles with Start/Stop system
- \*4 Diameter depends on equipment
- \*5 Omitted as a running change
- \*6 Refer to applicable engine wiring diagram

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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
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Fuse panel 2, Fuse 4 (on fuse panel C), Fuse 5 (on fuse panel C), Fuse 7 (on fuse panel C)

- J413 Horn relay
- J519 Vehicle electrical control module system
- ST2 Fuse panel 2
- 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)
- T6f 6-pin connector
- T6l 6-pin connector, green
- T8am 8-pin connector, black
- T8d 8-pin connector
- T8e 8-pin connector

V437 Reducing agent pump

B146 Positive connection 1 (87) (in interior wiring harness)

- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment
- \*4 Only for left-hand drive vehicles

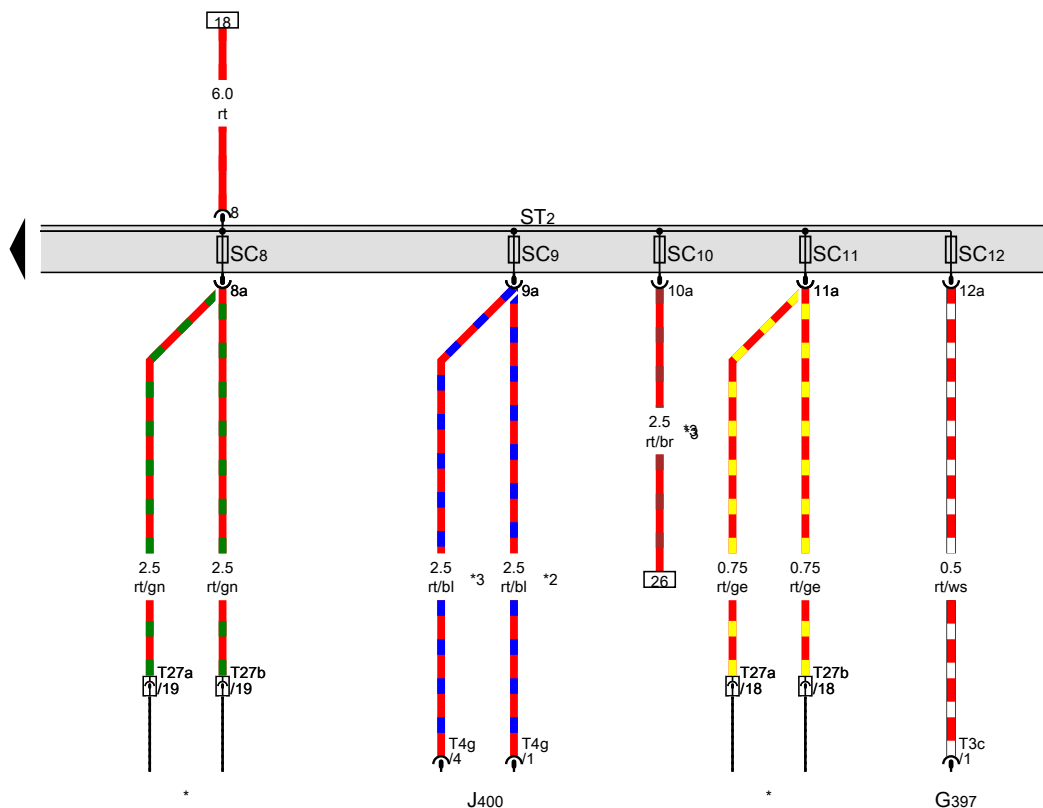
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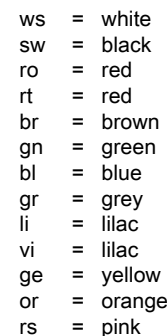
Fuse panel 2, Fuse 8 (on fuse panel C), Fuse 12 (on fuse panel C)

- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Left B-pillar, bottom
- \* Refer to applicable convenience system wiring diagram
- \*2 Only for right-hand drive vehicles
- \*3 Only for left-hand drive vehicles



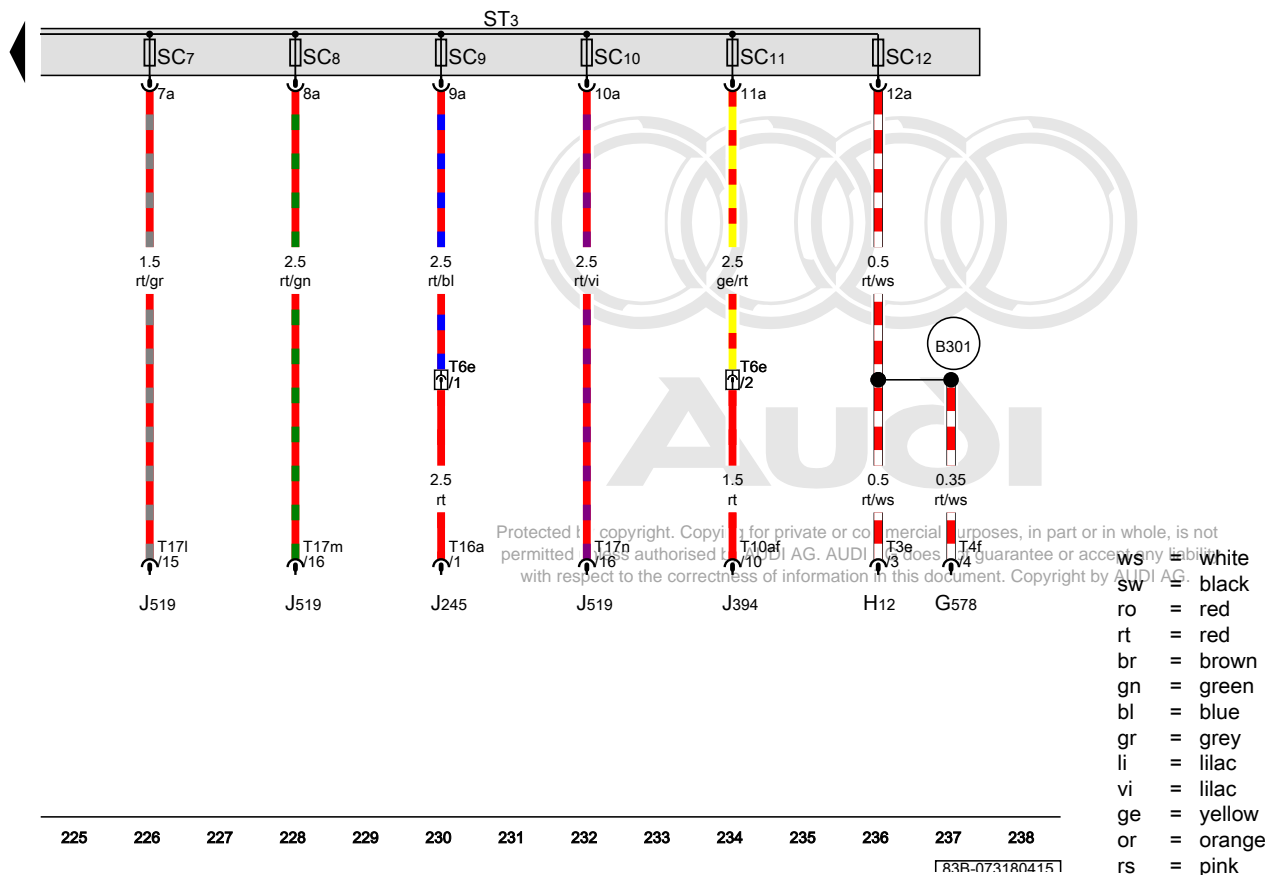
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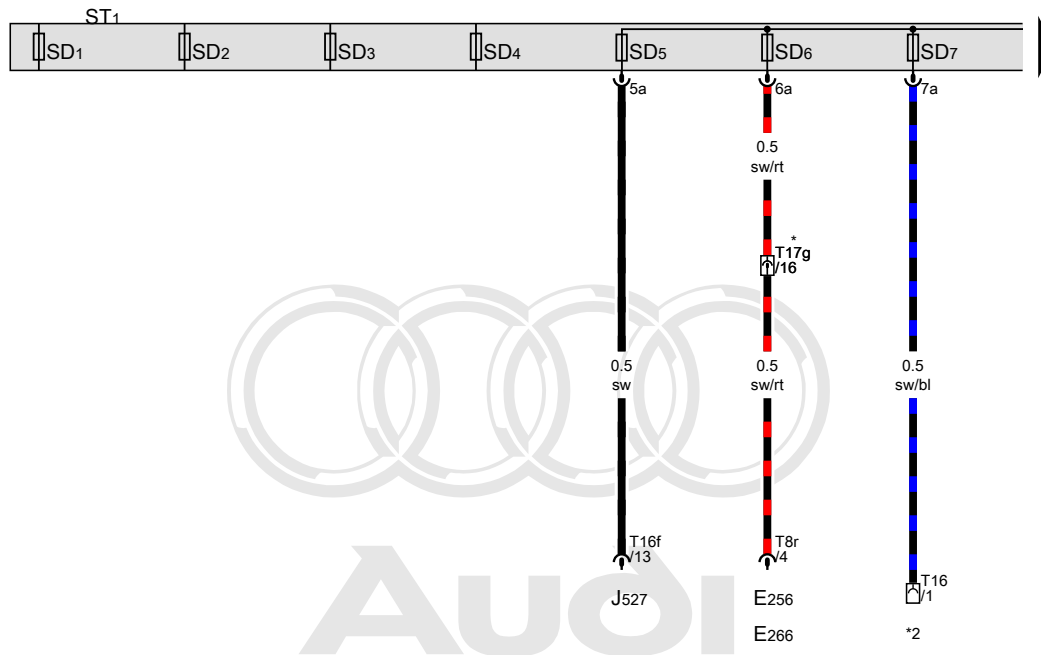
Fuse panel 3, Fuse 7 (on fuse panel C), Fuse 12 (on fuse panel C)

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J245 Power sunroof control module
- J394 Roof shade control module
- J519 Vehicle electrical control module system
- ST3 Fuse panel 3
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3e 3-pin connector
- T4f 4-pin connector
- T6e 6-pin connector, on the right front roof frame
- T10af 10-pin connector
- T16a 16-pin connector
- T17l 17-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- B301 Positive connection 5 (30) (in main wiring harness)



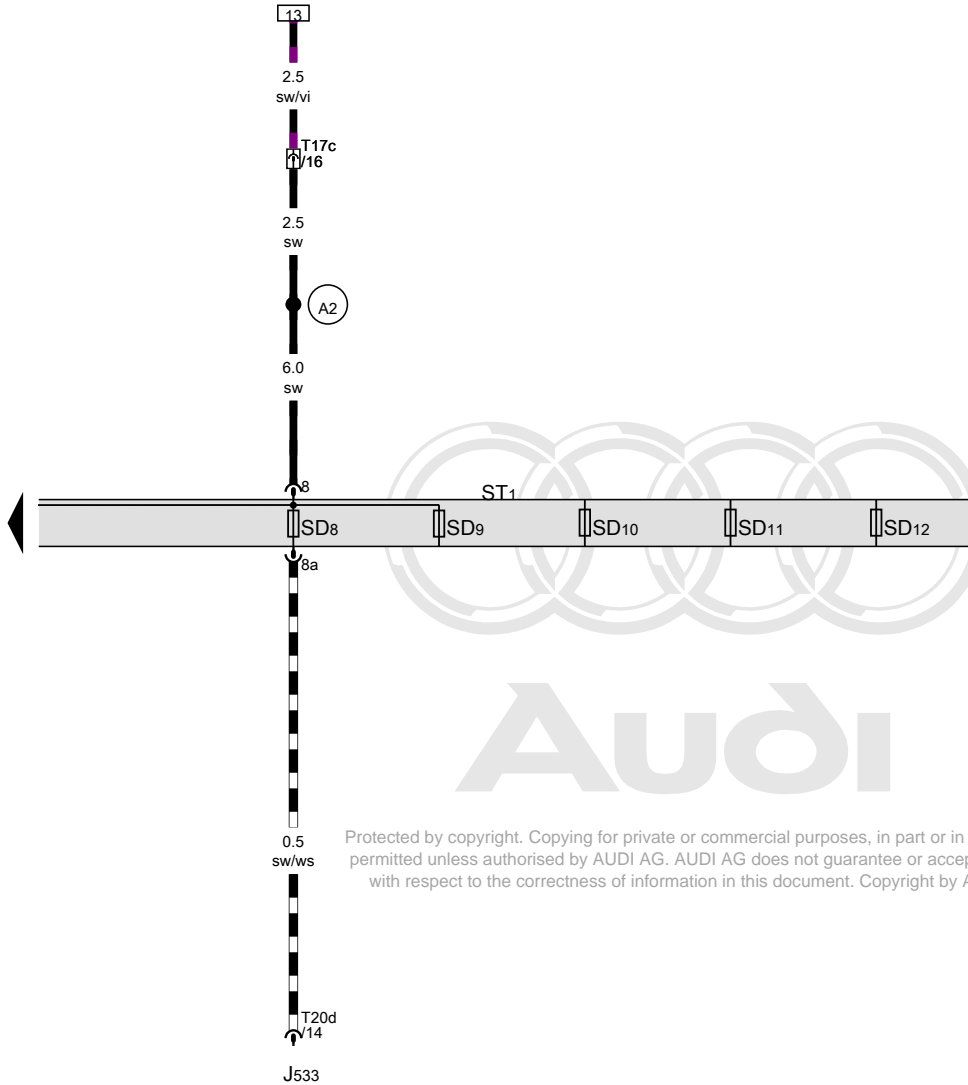
Fuse 1 (on fuse panel D), Fuse panel 1, Fuse 7 (on fuse panel D)

- E256 ASR/ESP button
- E266 Parking aid button
- J527 Steering column electronics control module
- SD1 Fuse 1 (on fuse panel D)
- ST1 Fuse panel 1
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- T8r 8-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T17g 17-pin connector, in the connector station, right A-pillar
- \* Only for vehicles without a navigation system
- \*2 Diagnostic connector



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



# Fuse panel 1, Fuse 8 (on fuse panel D), Fuse 12 (on fuse panel D)

- J533 Data bus on board diagnostic interface
- ST1 Fuse panel 1
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T17c 17-pin connector, in the left A-pillar connector station
- T20d 20-pin connector
- A2 Positive connection (15) (in instrument panel wiring harness)

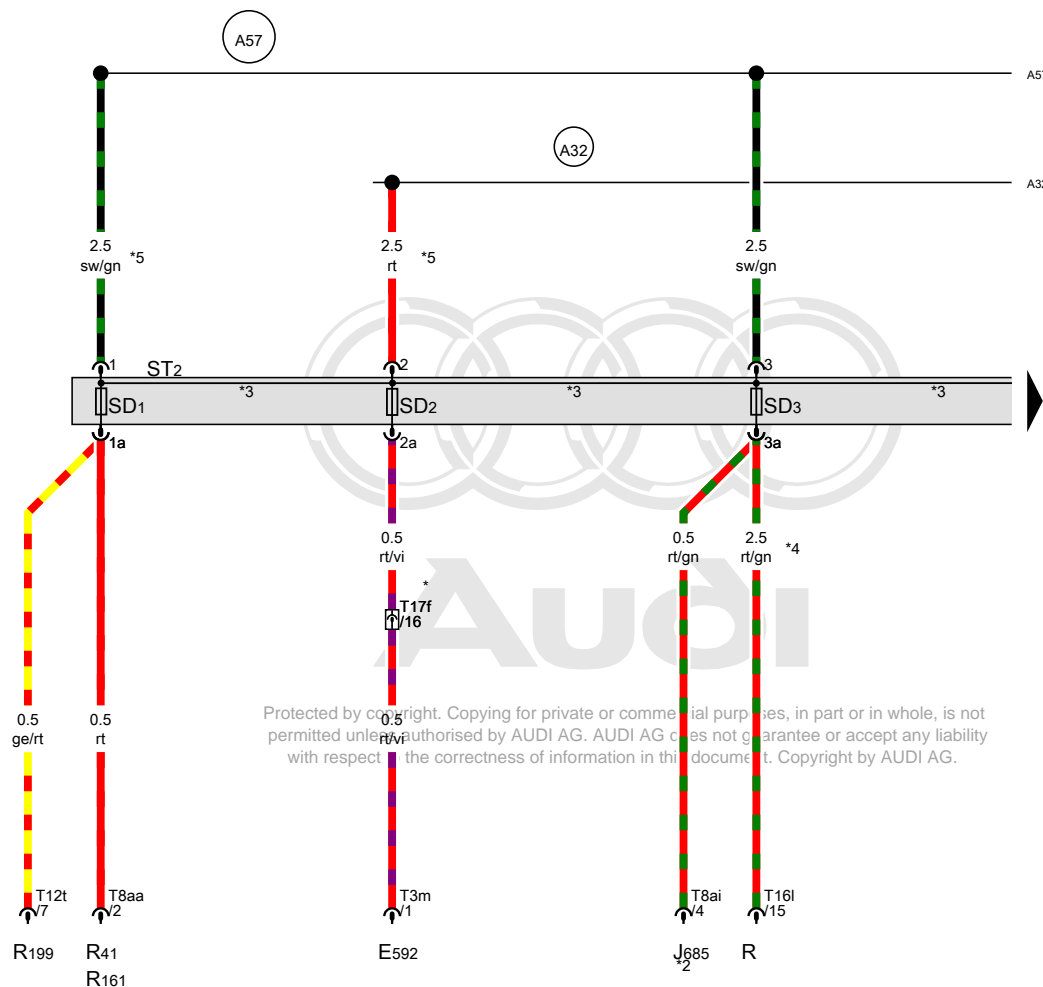
Fuse 1 (on fuse panel D), Fuse panel 2, Fuse 3 (on fuse panel D)

- E592 Driving profile selection switch module
- J685 Front information display control head
- R Radio, black
- R41 CD changer
- R161 DVD changer
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T3m 3-pin connector
- T8aa 8-pin connector
- T8ai 8-pin connector
- T12t 12-pin connector
- T16l 16-pin connector
- T17f 17-pin connector, in the connector station, right A-pillar

A32 Positive connection (30) (in instrument panel wiring harness)

A57 Positive connection 3 (30) (in instrument panel wiring harness)

- \* Only for vehicles without a navigation system
- \*2 Refer to applicable MMI (information electronics) wiring diagram
- \*3 Only for vehicles without Start/Stop system
- \*4 Diameter depends on equipment
- \*5 Only for vehicles with Start/Stop system

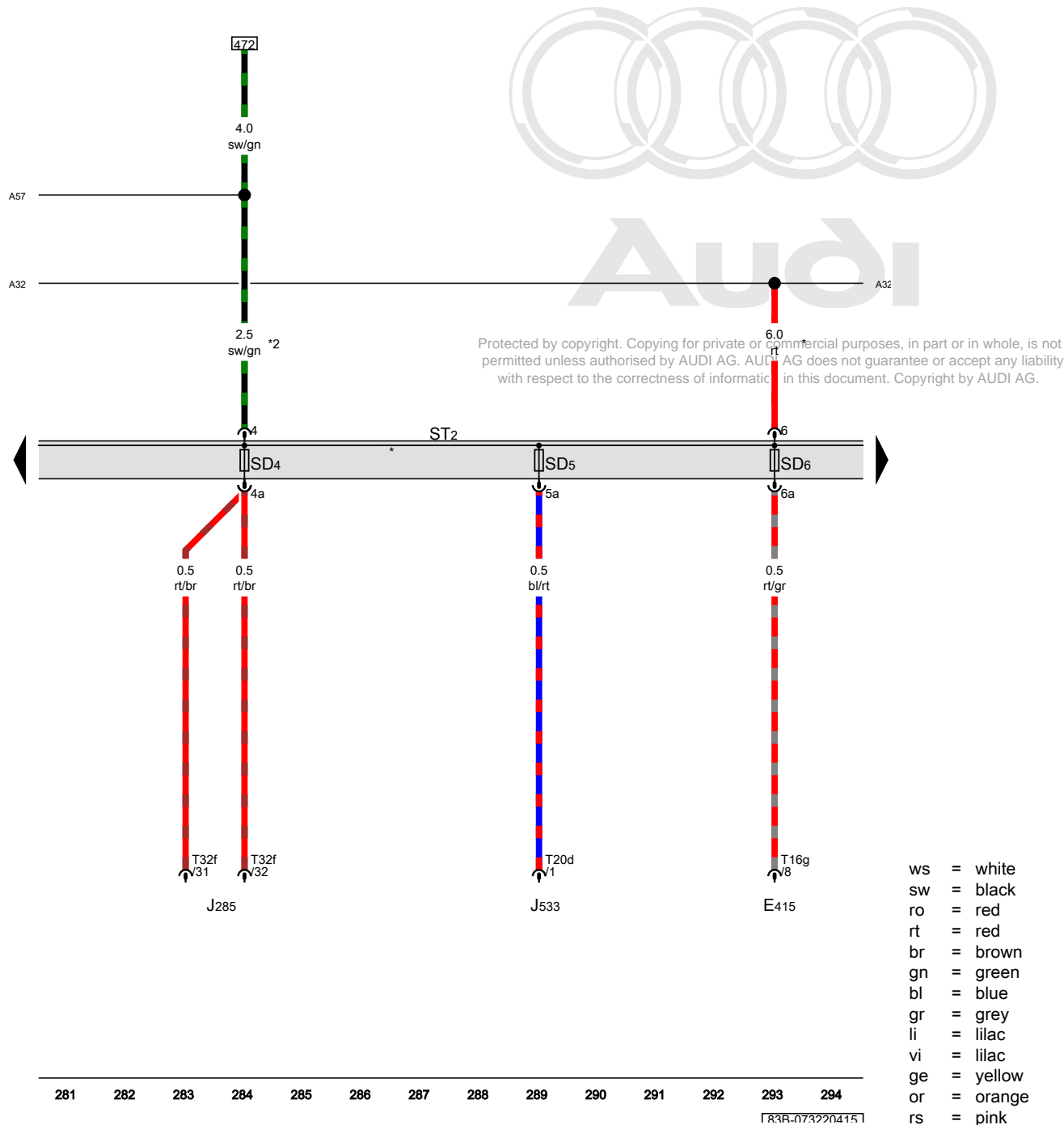


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267 268 269 270 271 272 273 274 275 276 277 278 279 280

[83B-073210415]





# Fuse panel 2, Fuse 4 (on fuse panel D), Fuse 6 (on fuse panel D)

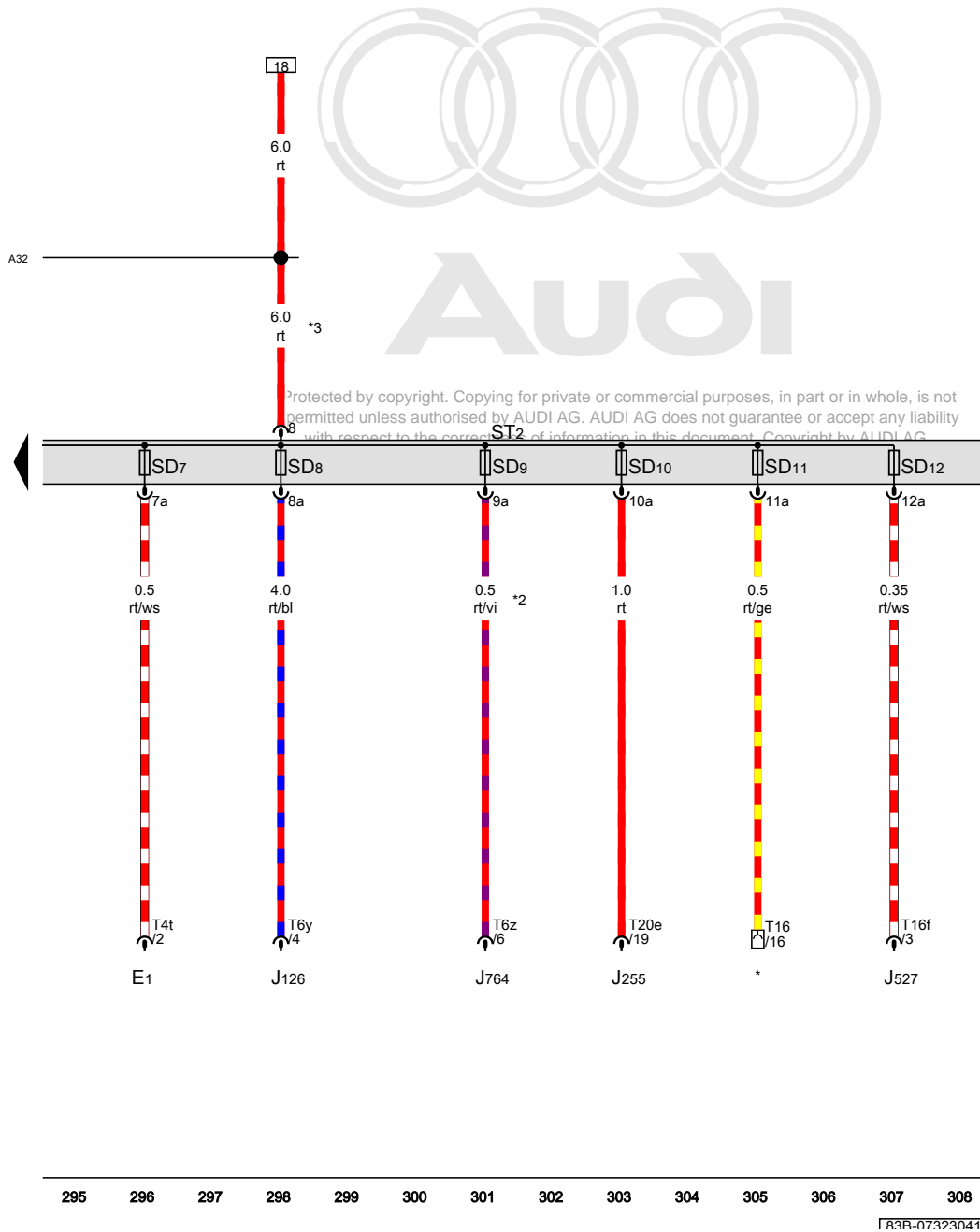
- E415 Access/start authorization switch
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- T16g 16-pin connector
- T20d 20-pin connector
- T32f 32-pin connector

A32 Positive connection (30) (in instrument panel wiring harness)

A57 Positive connection 3 (30) (in instrument panel wiring harness)

\* Only for vehicles without Start/Stop system

\*2 Only for vehicles with Start/Stop system



## Fuse panel 2, Fuse 7 (on fuse panel D), Fuse 12 (on fuse panel D)

- E1 Light switch
- J126 Fresh air blower control module
- J255 Climatronic control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T4t 4-pin connector
- T6y 6-pin connector
- T6z 6-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T20e 20-pin connector

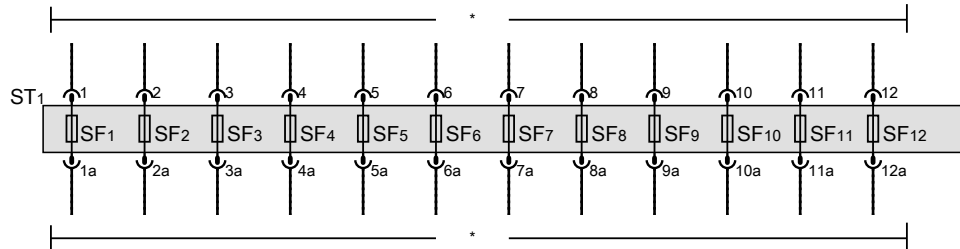
A32 Positive connection (30) (in instrument panel wiring harness)

- \* Diagnostic connector
- \*2 Diameter depends on equipment
- \*3 Only for vehicles with Start/Stop system

**Fuse 1 (on fuse panel F), Fuse panel 1, Fuse 12 (on fuse panel F)**

- SF1 Fuse 1 (on fuse panel F)
- ST1 Fuse panel 1
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)

\* Refer to applicable special purpose vehicles wiring diagram



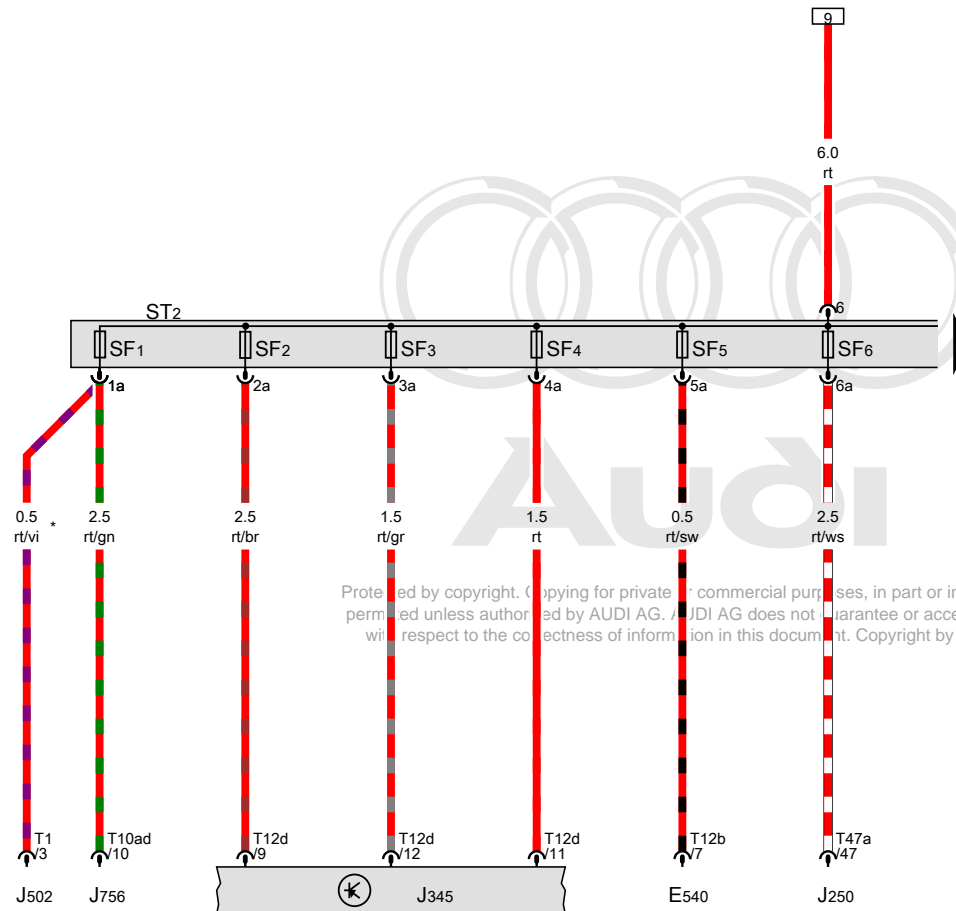
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- ge = yellow
- or = orange
- rs = pink

309 310 311 312 313 314 315 316 317 318 319 320 321 322

[83B-073240415]

Fuse 1 (on fuse panel F), Fuse panel 2, Fuse 6 (on fuse panel F)

- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J502 Tire pressure monitoring control module
- J756 Rear lid control module 2
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- ST2 Fuse panel 2
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T1 Single connector
- T10ad 10-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T47a 47-pin connector
- \* Omitted as a running change



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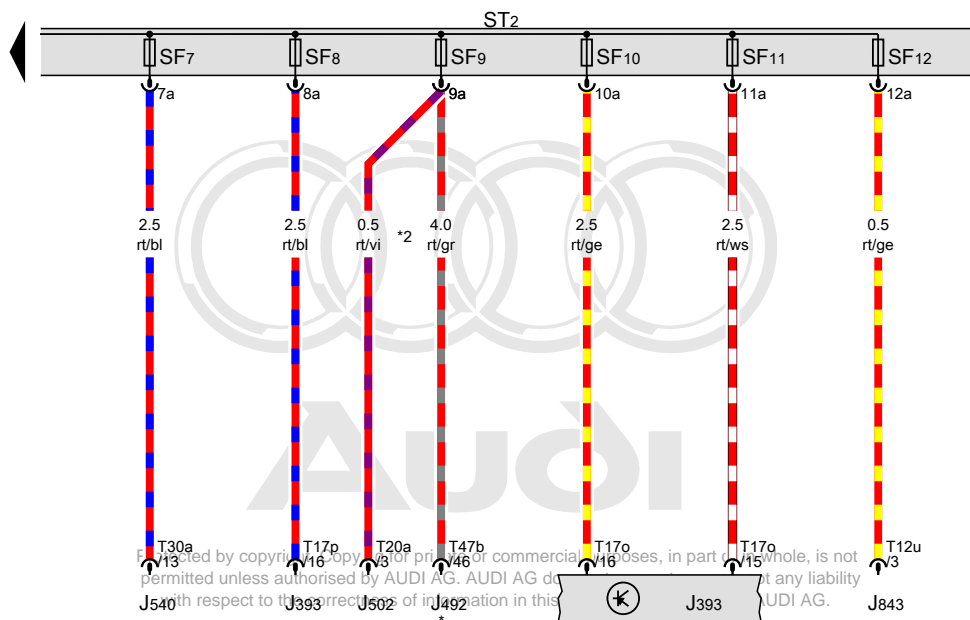
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li = lilac  
vi = lilac  
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or = orange  
rs = pink

323 324 325 326 327 328 329 330 331 332 333 334 335 336

[83B-073250415]

Fuse panel 2, Fuse 7 (on fuse panel F), Fuse 12 (on fuse panel F)

- J393 Comfort system central control module
- J492 All wheel drive control module
- J502 Tire pressure monitoring control module
- J540 Electromechanical parking brake control module
- J843 Vehicle positioning system interface control module
- ST2 Fuse panel 2
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector
- T17o 17-pin connector
- T17p 17-pin connector
- T20a 20-pin connector
- T30a 30-pin connector
- T47b 47-pin connector
- \* If available
- \*2 Running change



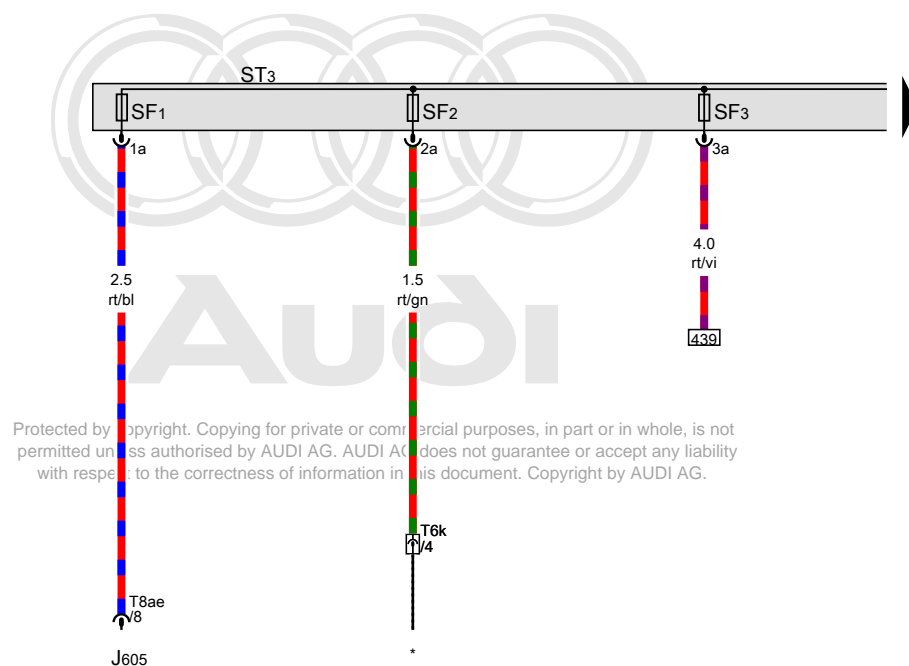
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- rs = pink

337 338 339 340 341 342 343 344 345 346 347 348 349 350

83B-0732604151

Fuse 1 (on fuse panel F), Fuse panel 3

- J605 Rear lid control module
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST3 Fuse panel 3
- T6k 6-pin connector, green
- T8ae 8-pin connector
- \* Refer to the applicable heated seats wiring diagram



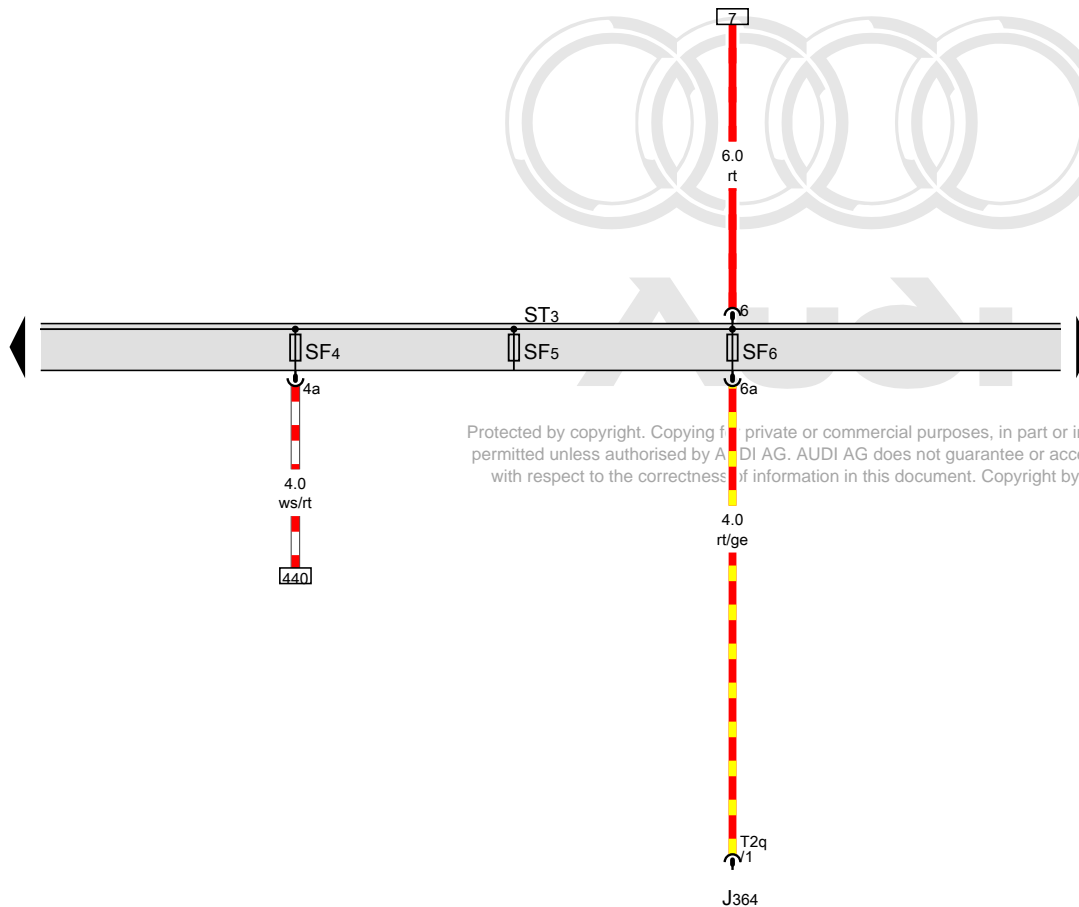
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- vi = lilac
- ge = yellow
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- rs = pink

351 352 353 354 355 356 357 358 359 360 361 362 363 364

[83B-073270415]

Fuse panel 3, Fuse 6 (on fuse panel F)

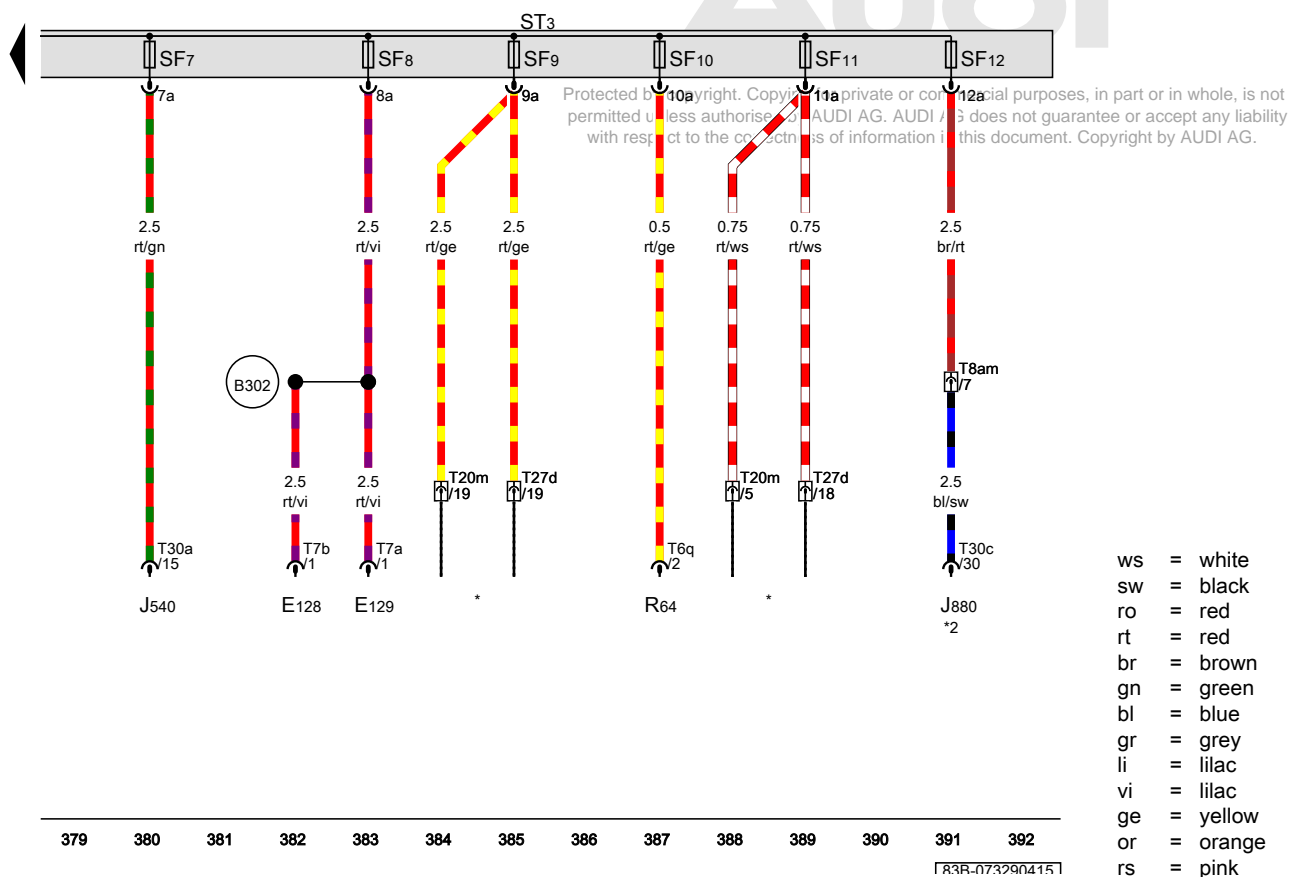
- J364 Auxiliary heater control module
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T2q Double connector



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365 366 367 368 369 370 371 372 373 374 375 376 377 378

[83B-073280415]



### Fuse panel 3, Fuse 7 (on fuse panel F), Fuse 12 (on fuse panel F)

- E128 Left rear heated seat regulating switch
- E129 Right rear heated seat regulating switch
- J540 Electromechanical parking brake control module
- J880 Reducing agent metering system control module
- R64 Parking heater radio receiver
- ST3 Fuse panel 3
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T6q 6-pin connector
- T7a 7-pin connector
- T7b 7-pin connector
- T8am 8-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T30a 30-pin connector
- T30c 30-pin connector

**B302** Positive connection 6 (30) (in main wiring harness)

- \* Refer to applicable convenience system wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 Only for left-hand drive vehicles

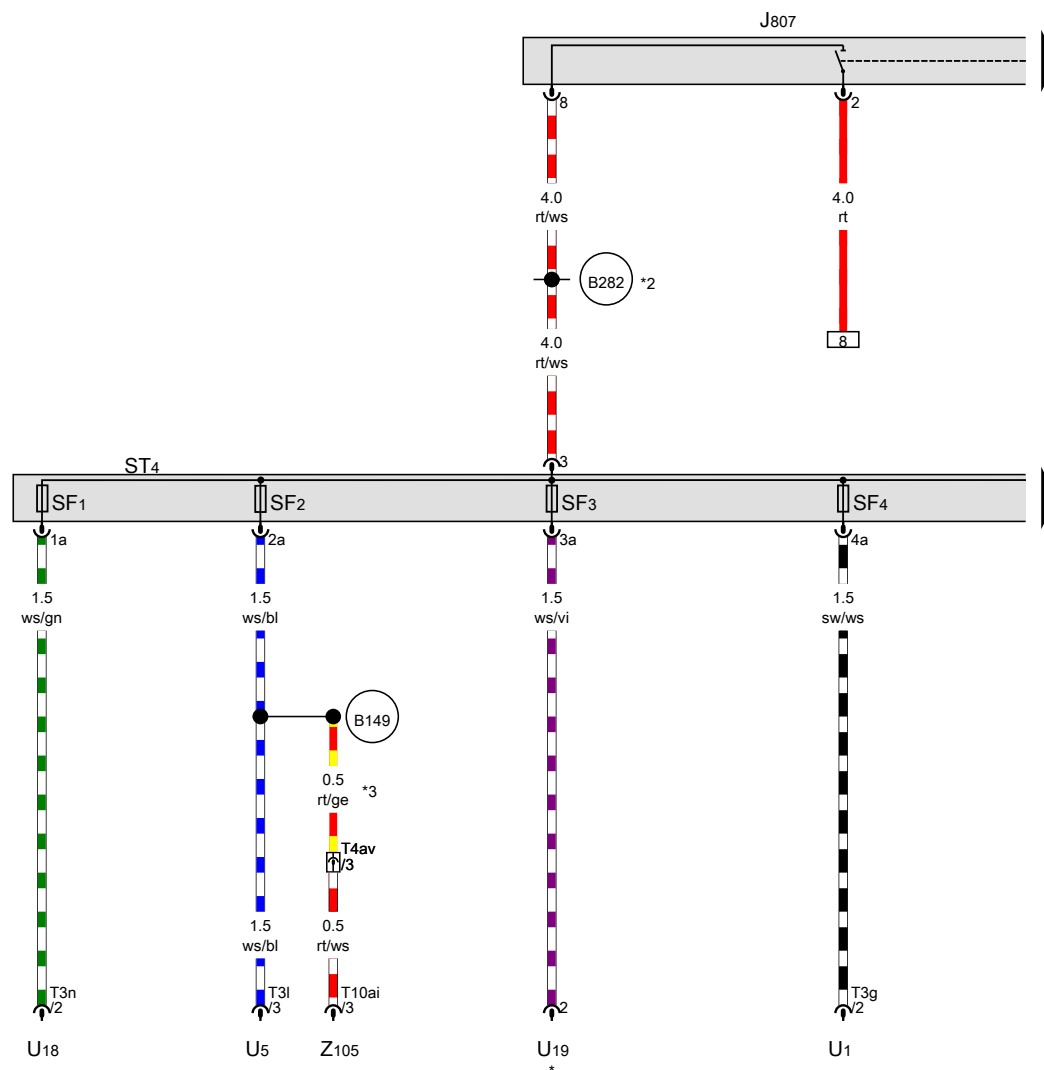
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Fuse 1 (on fuse panel F), Fuse panel 4, Fuse 4 (on fuse panel F)

- J807 Sockets relay
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- T3g 3-pin connector
- T3l 3-pin connector
- T3n 3-pin connector
- T4av 4-pin connector
- T10ai 10-pin connector
- U1 Cigarette lighter
- U5 12 V socket, in the front center console
- U18 12 V socket 2, in the rear center console
- U19 12 V socket 3
- Z105 Cupholder with heating and cooling element
- B149 Positive connection 2 (15a) (in interior wiring harness)
- B282 Positive connection 6 (15a) (in main wiring harness)
- \* Only for vehicles with 12 V socket in luggage compartment
- \*2 If available
- \*3 The color of the wires depends on vehicle equipment

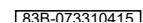
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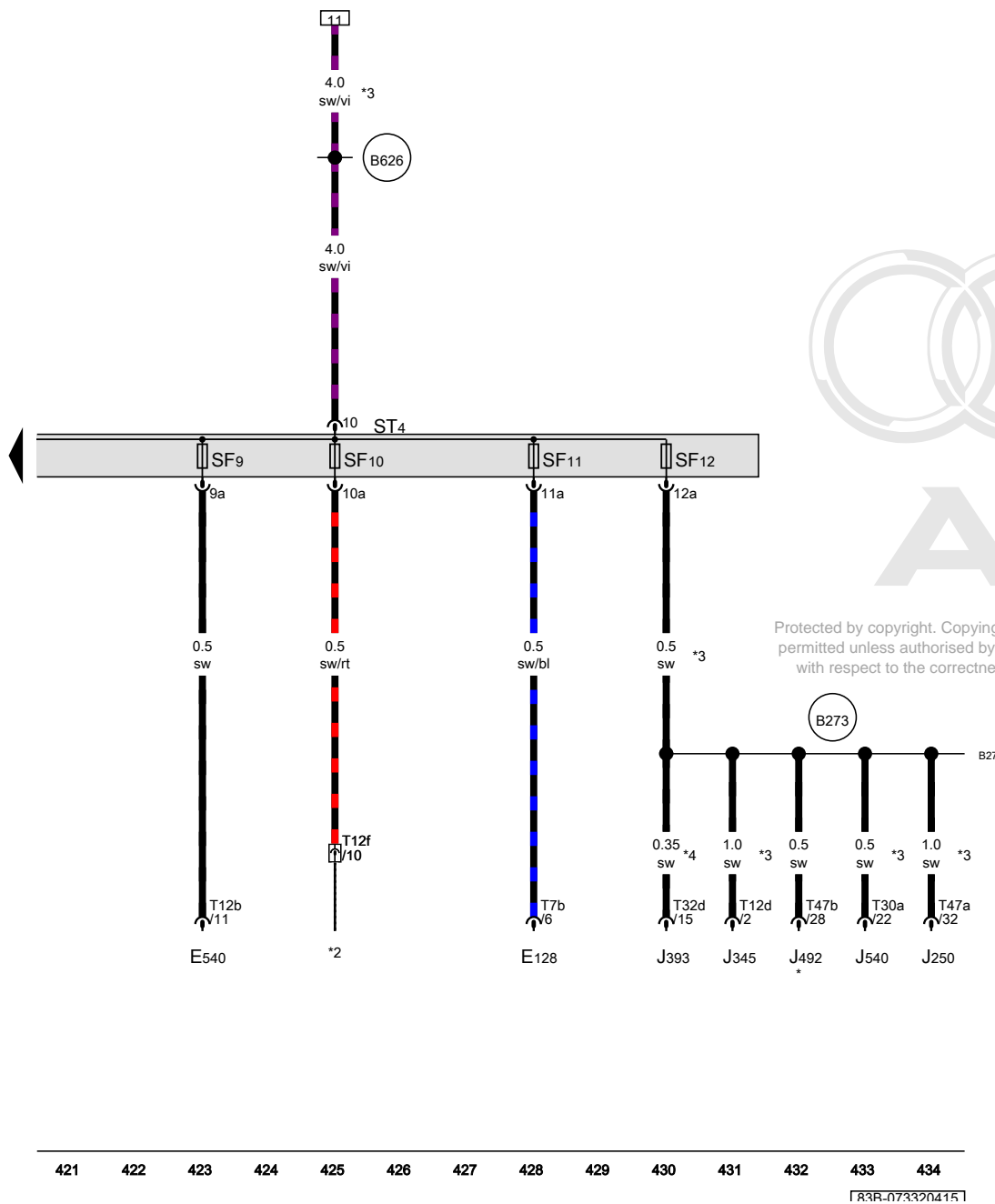
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393 394 395 396 397 398 399 400 401 402 403 404 405 406

[83B-073300415]



## 04.2015



Fuse panel 4, Fuse 9 (on fuse panel F), Fuse 12 (on fuse panel F)

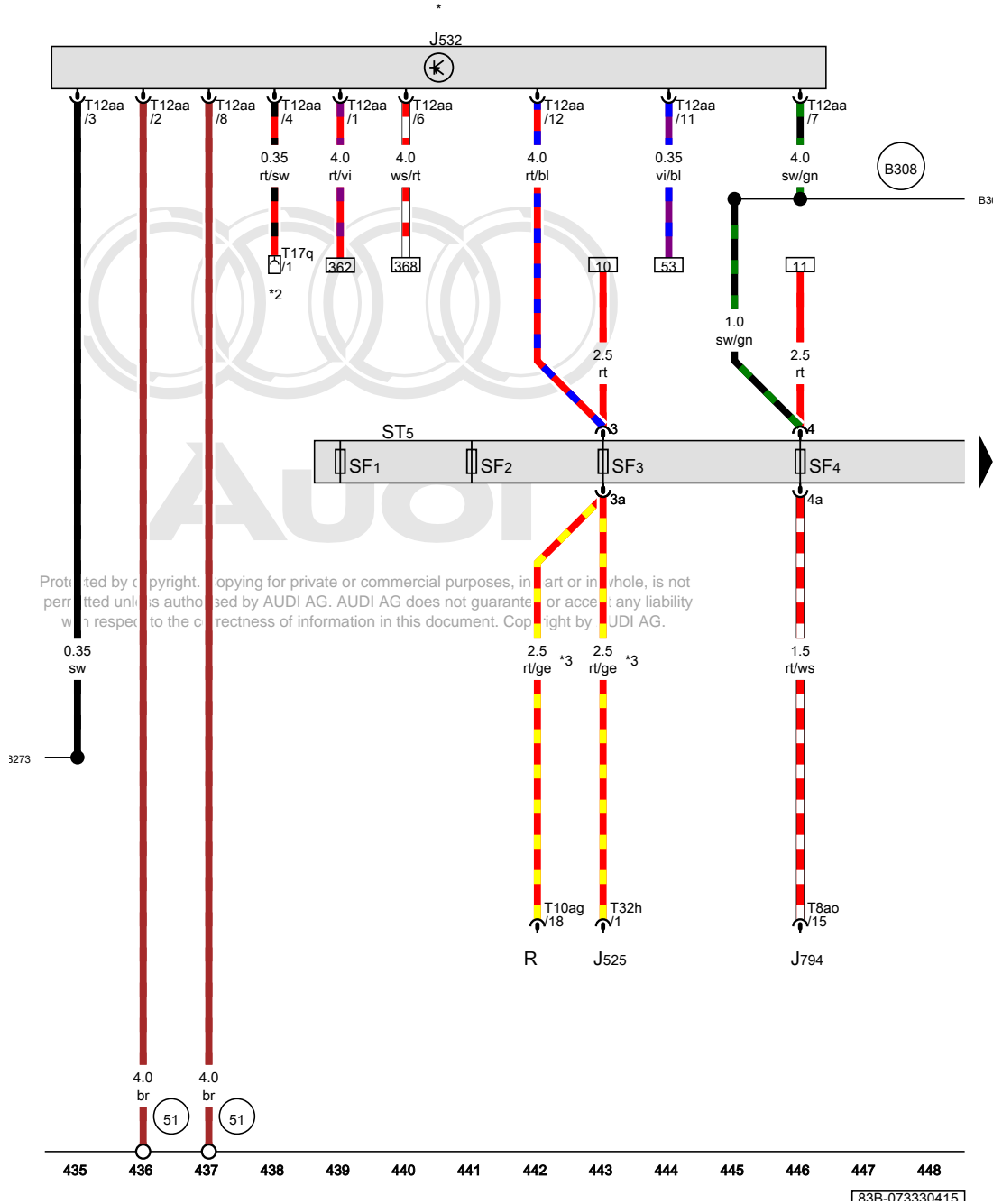
- E128 Left rear heated seat regulating switch
- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J393 Comfort system central control module
- J492 All wheel drive control module
- J540 Electromechanical parking brake control module
- ST4 Fuse panel 4
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T7b 7-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T12f 12-pin connector, black
- T30a 30-pin connector
- T32d 32-pin connector
- T47a 47-pin connector
- T47b 47-pin connector

B273 Positive connection (15) (in main wiring harness)

B626 Positive connection 2 (15) (in main wiring harness)

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- \* If available
- \*2 Refer to applicable lane assist wiring diagram
- \*3 Diameter depends on equipment
- \*4 Depending on equipment



Fuse 1 (on fuse panel F), Fuse 4 (on fuse panel F), Fuse panel 5

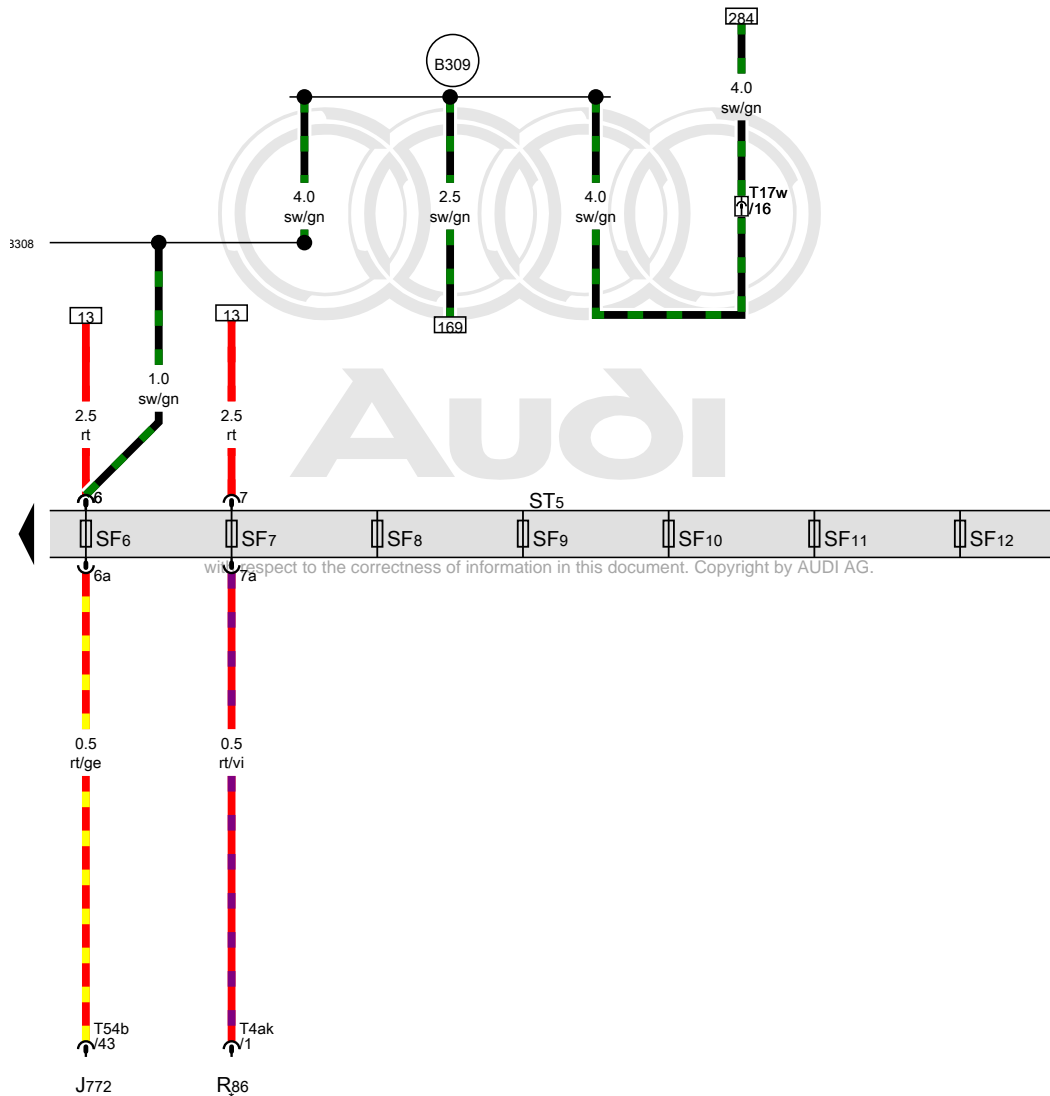
- J525 Digital sound system control module
- J532 Voltage stabilizer
- J794 Information electronics control module 1
- R Radio
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T8ao 8-pin connector
- T10ag 10-pin connector
- T12aa 12-pin connector
- T17q 17-pin connector, in the E-box
- T32h 32-pin connector

- 51 Ground connection in luggage compartment, right
- B273 Positive connection (15) (in main wiring harness)
- B308 Positive connection 12 (30) (in main wiring harness)

- \* Only for vehicles with Stop/Start system
- \*2 Refer to applicable engine wiring diagram
- \*3 4.0 diameter possible

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**Fuse panel 5, Fuse 6 (on fuse panel F), Fuse 12 (on fuse panel F)**

J772 Rearview camera system control module

R86 Cellular telephone amplifier

ST5 Fuse panel 5

SF6 Fuse 6 (on fuse panel F)

SF7 Fuse 7 (on fuse panel F)

SF8 Fuse 8 (on fuse panel F)

SF9 Fuse 9 (on fuse panel F)

SF10 Fuse 10 (on fuse panel F)

SF11 Fuse 11 (on fuse panel F)

SF12 Fuse 12 (on fuse panel F)

T4ak 4-pin connector

T17w 17-pin connector, in the connector station, right A-pillar

T54b 54-pin connector

(B308) Positive connection 12 (30) (in main wiring harness)

(B309) Positive connection 13 (30) (in main wiring harness)

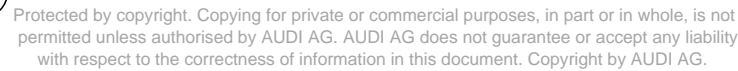
\* from May 2010

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**2.0L gasoline engine with Start/Stop system , CADA,CAEB,CDNB,CDNC**  
from May 2010



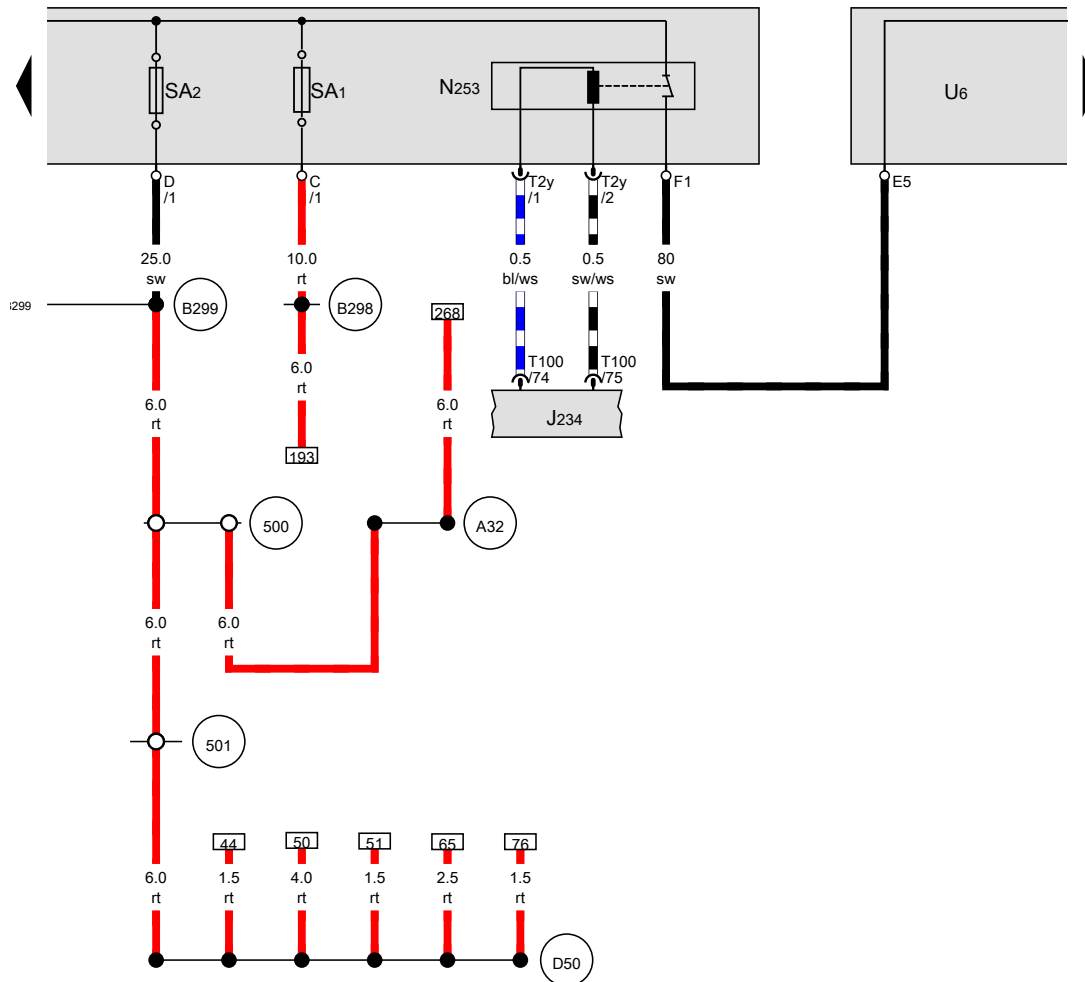
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(B300) Positive connection 4 (30) (in main wiring harness)

83B-076020316





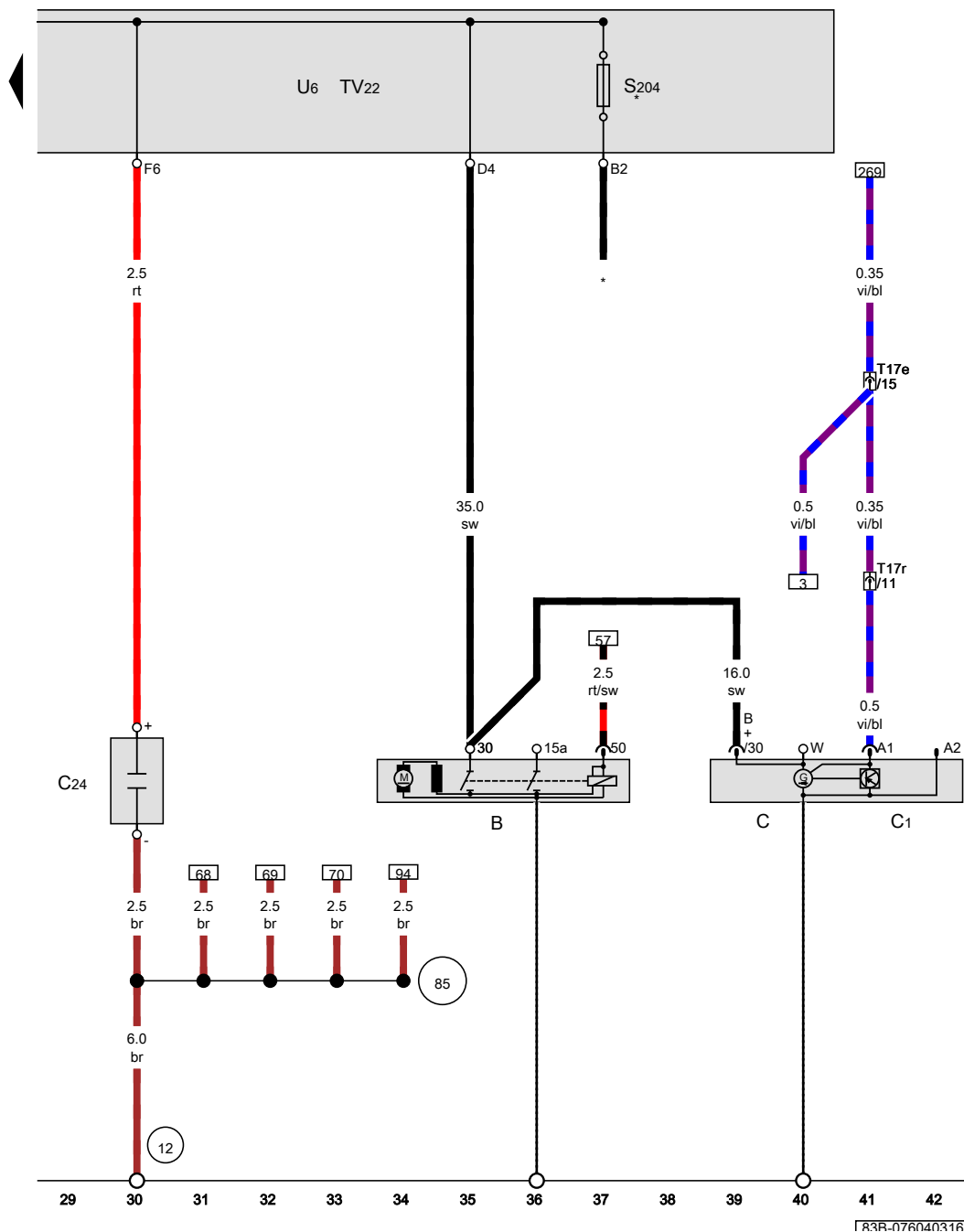
### Battery interrupt igniter, Battery jump start terminal

- J234 Airbag control module
- N253 Battery interrupt igniter
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- T2y 2-pin connector
- T100 100-pin connector
- U6 Battery jump start terminal

- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)

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Starter, Generator, Voltage regulator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- C24 Suppressor
- S204 Fuse 1 (terminal 30)
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- \* Refer to applicable radiator fan wiring diagram

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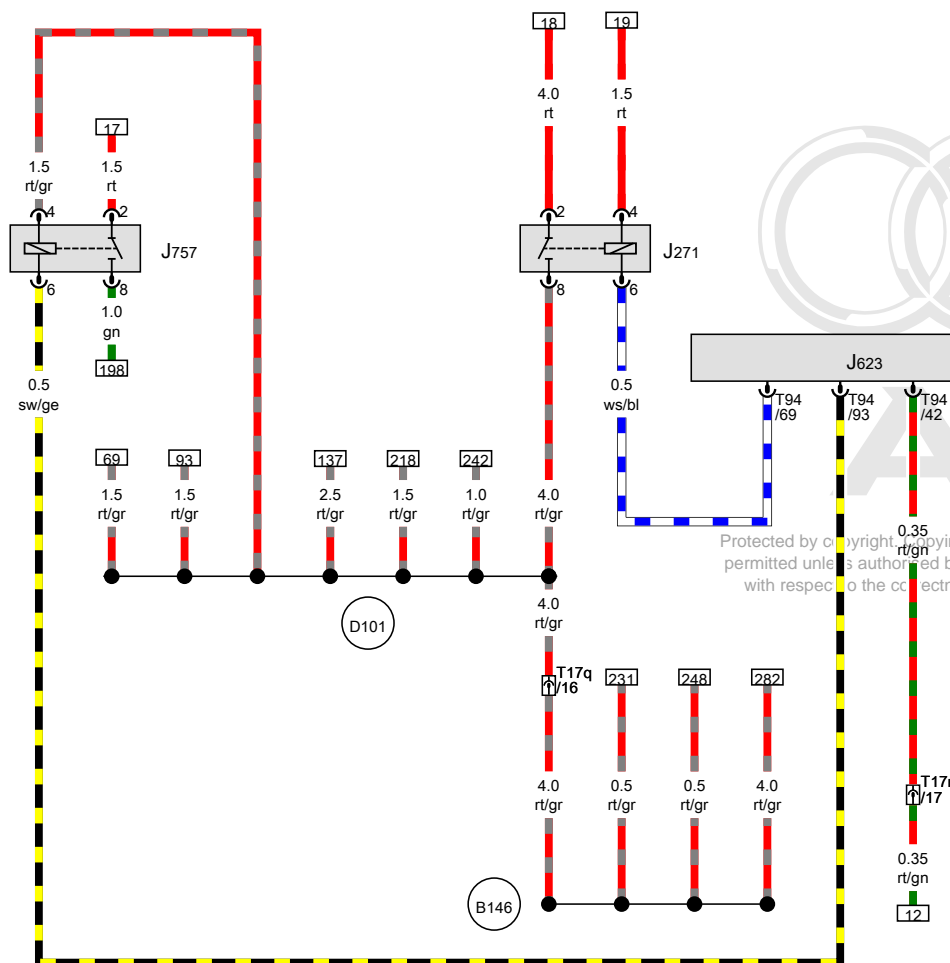
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Motronic engine control module power supply relay, Engine component power supply relay

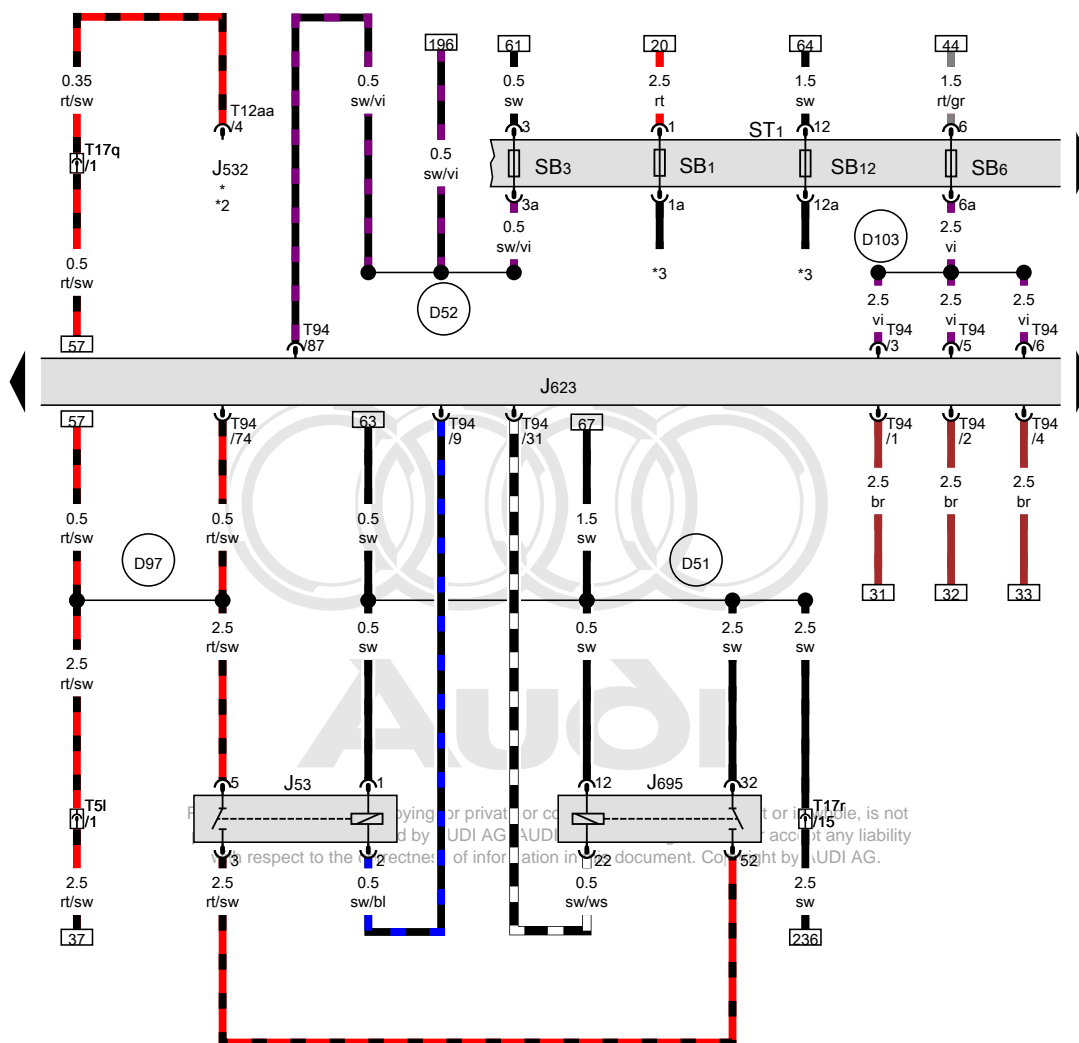
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

B146 Positive connection 1 (87) (in interior wiring harness)

D101 Connection 1 (in engine compartment wiring harness)



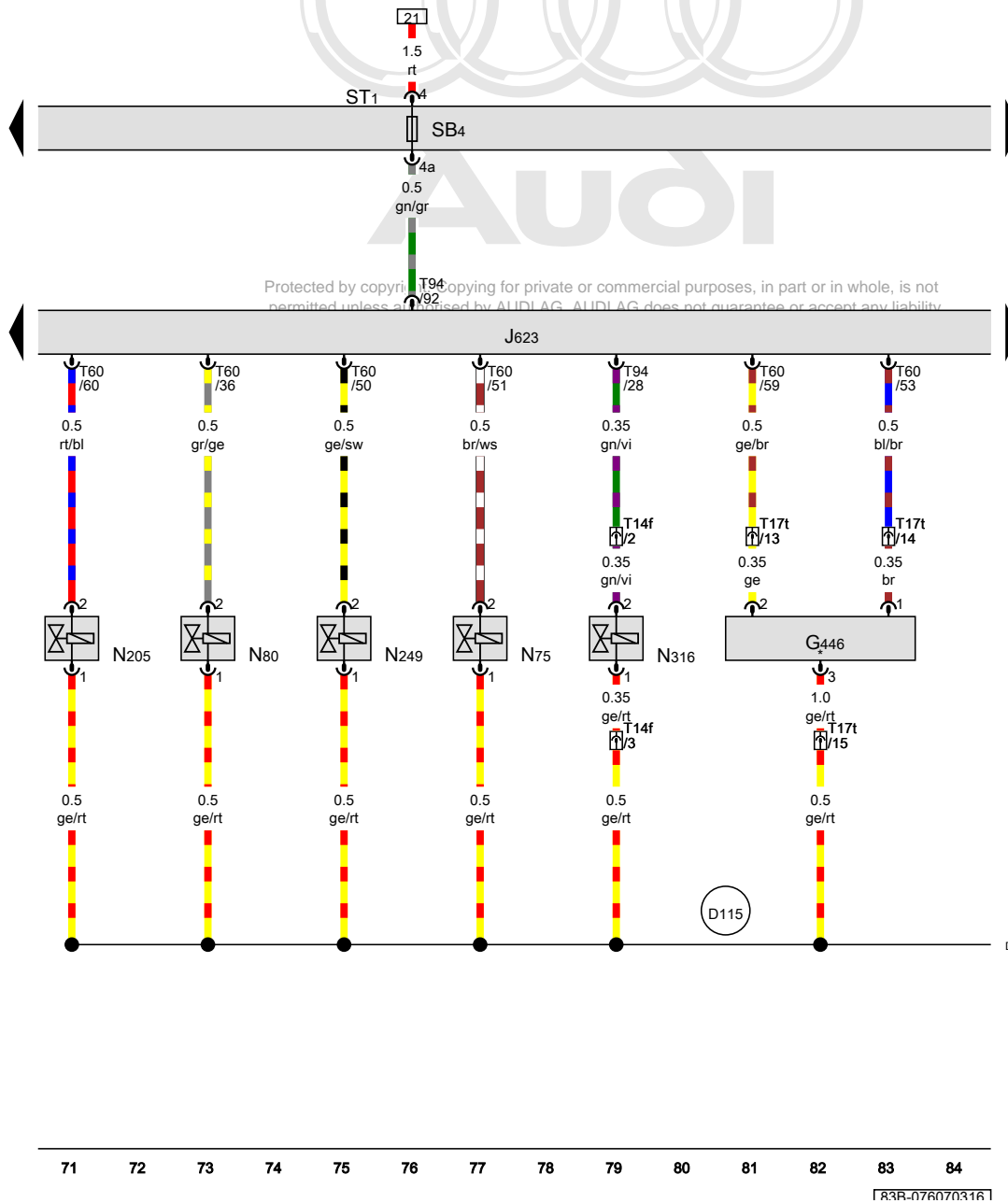
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## Starter relay, Starter relay 2

- J53 Starter relay
- J532 Voltage stabilizer
- J623 Engine control module
- J695 Starter relay 2
- ST1 Fuse panel 1
- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T5l 5-pin connector, in the engine compartment
- T12aa 12-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- \* Only for vehicles with Stop/Start system
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for automatic transmission

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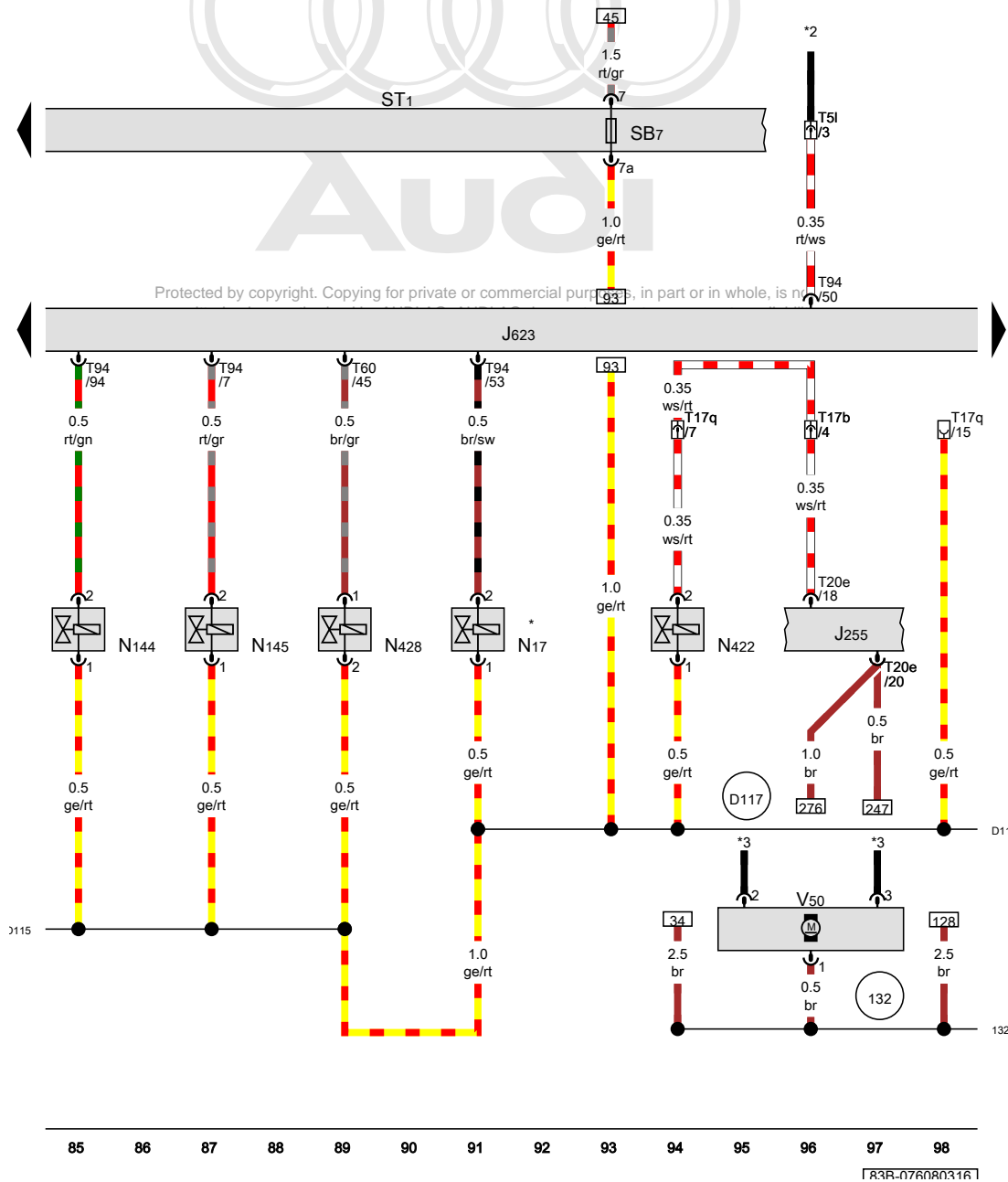


Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Camshaft adjustment valve 1, Turbocharger recirculation valve

- G446 Fuel quality sensor
- 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
- ST1 Fuse panel 1
- SB4 Fuse 4 (on fuse panel B)
- T14f 14-pin connector, in the engine compartment
- T17t 17-pin connector, brown
- T60 60-pin connector
- T94 94-pin connector

D115 Connection 13 (in engine compartment wiring harness)

\* Only for vehicles with Flex Fuel



Cold start injector, Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve, Climatronic coolant shut-off valve, Oil pressure regulation valve

- |      |  |
|------|--|
| J255 | Climatronic control module                                 |
| J623 | Engine control module                                      |
| N17  | Cold start injector  |
| N144 | Left electrohydraulic engine mount solenoid valve          |
| N145 | Right electrohydraulic engine mount solenoid valve         |
| N422 | Climatronic coolant shut-off valve                         |
| N428 | Oil pressure regulation valve                              |
| ST1  | Fuse panel 1   |
| SB7  | Fuse 7 (on fuse panel B)                                   |
| T5l  | 5-pin connector, in the engine compartment                 |
| T17b | 17-pin connector, blue                                     |
| T17q | 17-pin connector, red                                      |
| T20e | 20-pin connector   |
| T60  | 60-pin connector   |
| T94  | 94-pin connector   |
| V50  | Coolant recirculation pump                                 |
| 132  | Ground connection 3 (in engine compartment wiring harness) |
| D115 | Connection 13 (in engine compartment wiring harness)       |
| D117 | Connection 15 (in engine compartment wiring harness)       |
| *    | Only for vehicles with Flex Fuel                           |
| *2   | Refer to applicable radiator fan wiring diagram            |
| *3   | Refer to applicable A/C system wiring diagram              |

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

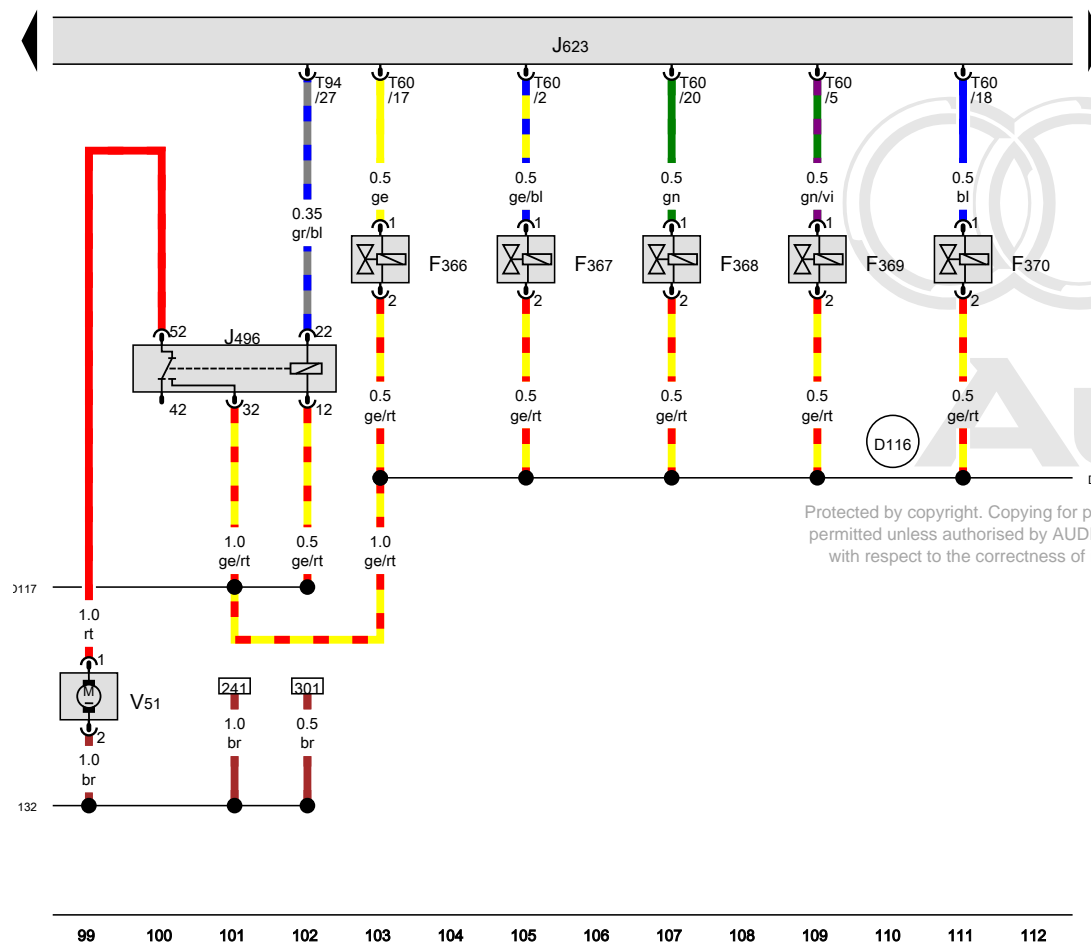
# Cam adjustment actuator 1, After-run coolant pump

- 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
- J496 Auxiliary engine coolant pump relay
- J623 Engine control module
- T60 60-pin connector
- T94 94-pin connector
- V51 After-run coolant pump

132 Ground connection 3 (in engine compartment wiring harness)

D116 Connection 14 (in engine compartment wiring harness)

D117 Connection 15 (in engine compartment wiring harness)



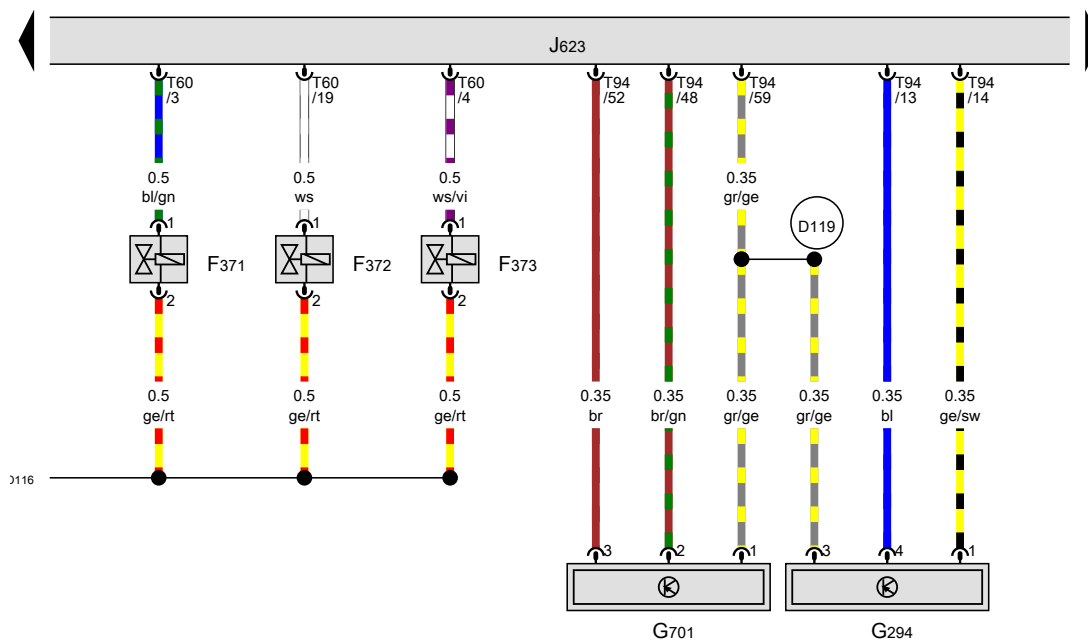
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- or = orange
- rs = pink

Cam adjustment actuator 6, Cam adjustment actuator 7,  
Cam adjustment actuator 8, Transmission neutral position  
sensor

- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- G294 Brake booster pressure sensor
- G701 Transmission neutral position sensor
- J623 Engine control module
- T60 60-pin connector
- T94 94-pin connector

- D116 Connection 14 (in engine compartment wiring harness)
- D119 Connection 17 (in engine compartment wiring harness)



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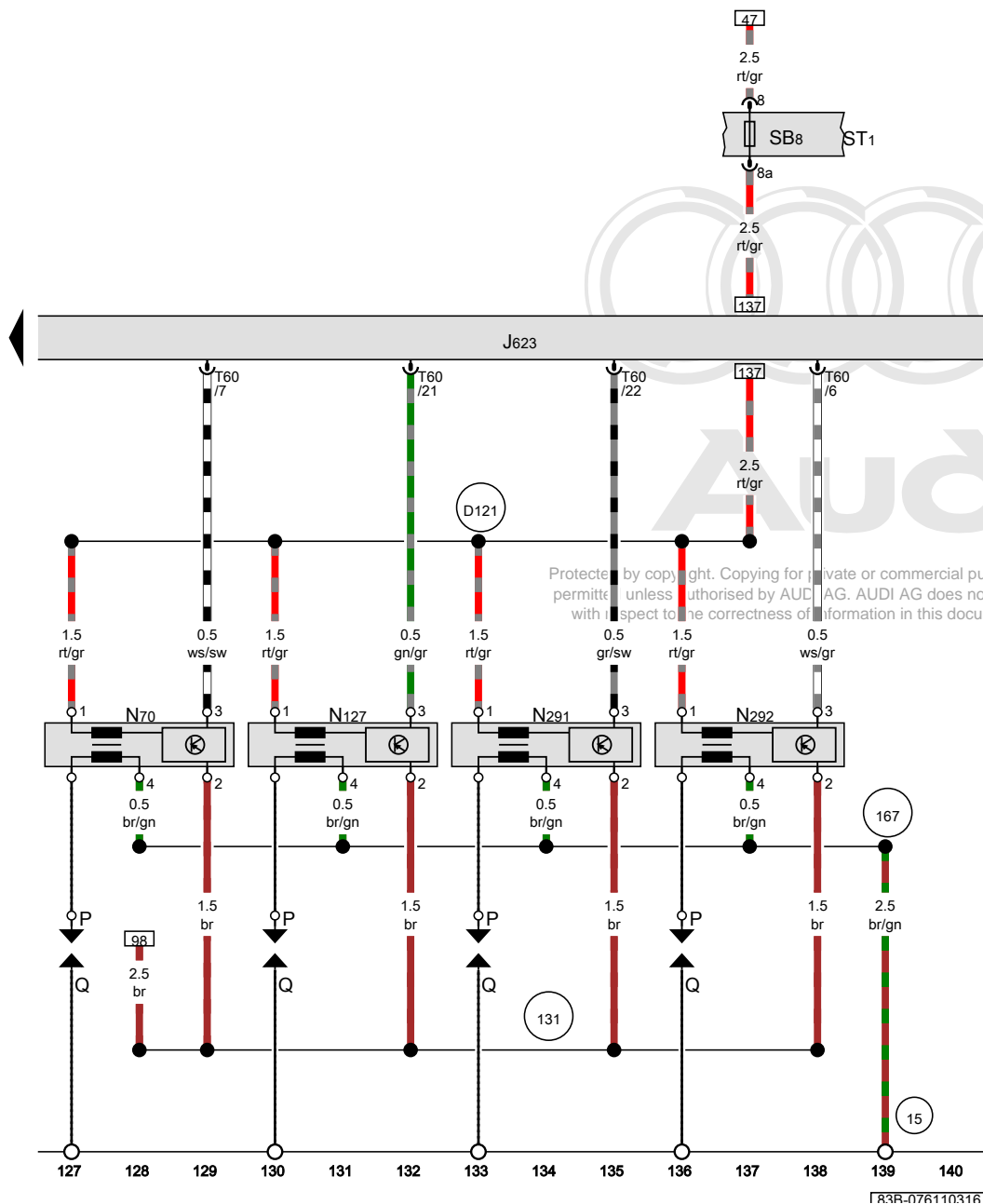
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- ro = red
- rt = red
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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 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
- ST1 Fuse panel 1
- SB8 Fuse 8 (on fuse panel B)
- T60 60-pin connector

- 15 Ground connection on cylinder head
- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

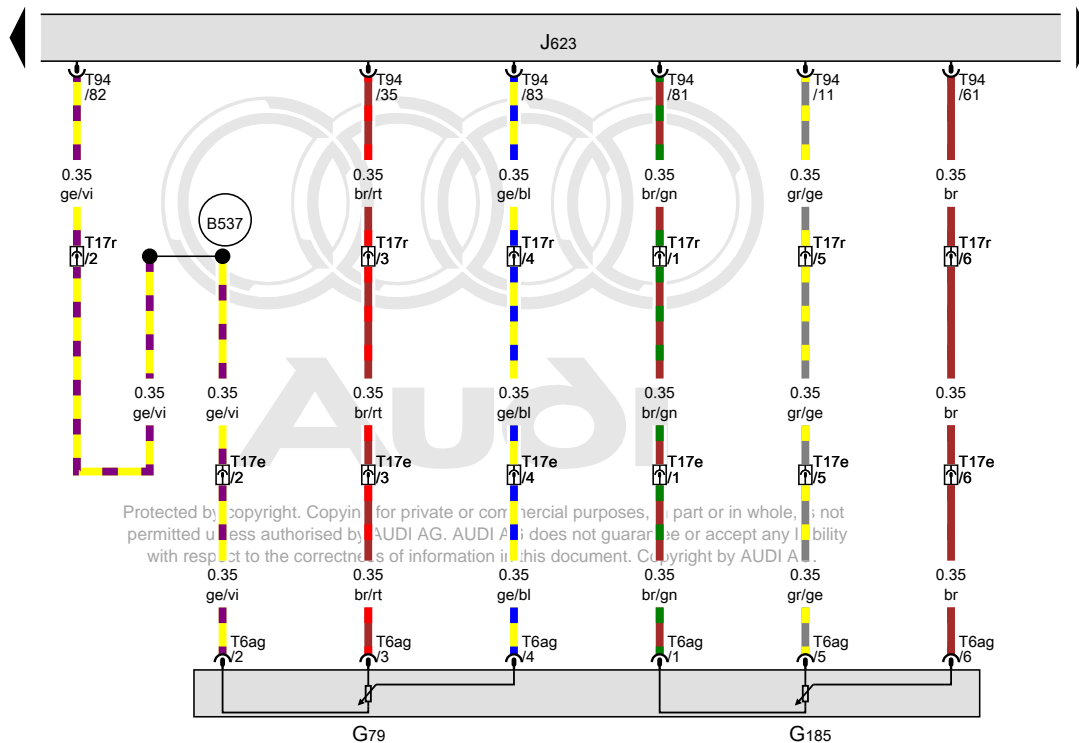


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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

Accelerator pedal position sensor, Accelerator pedal position sensor 2

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

B537 Connection 28 (in main wiring harness)



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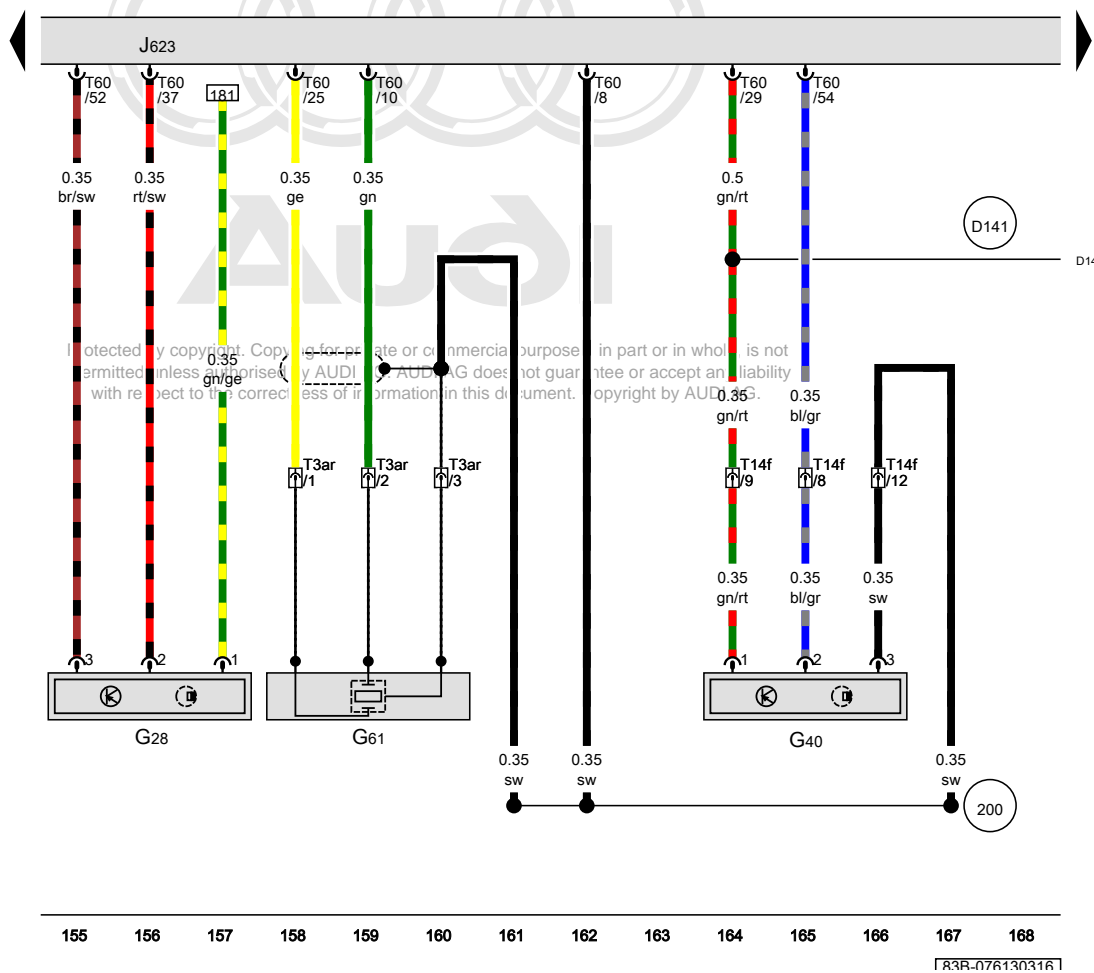
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- bl = blue
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

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

[83B-076120316]

# Engine speed sensor, Camshaft position sensor

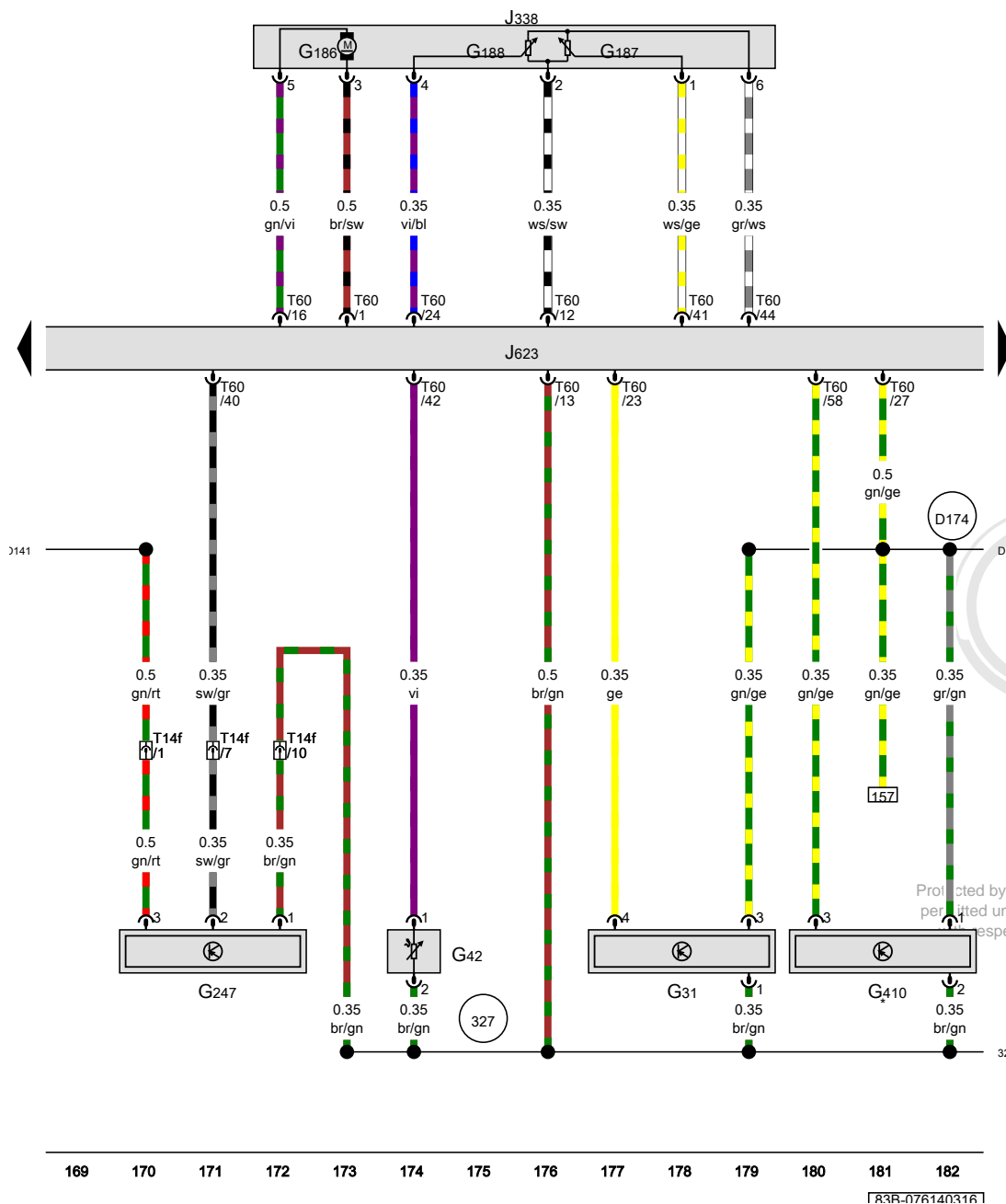
- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- J623 Engine control module
- T3ar 3-pin connector, green
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector
- 200 Ground connection shielding (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)



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

# Fuel pressure sensor, Throttle valve control module

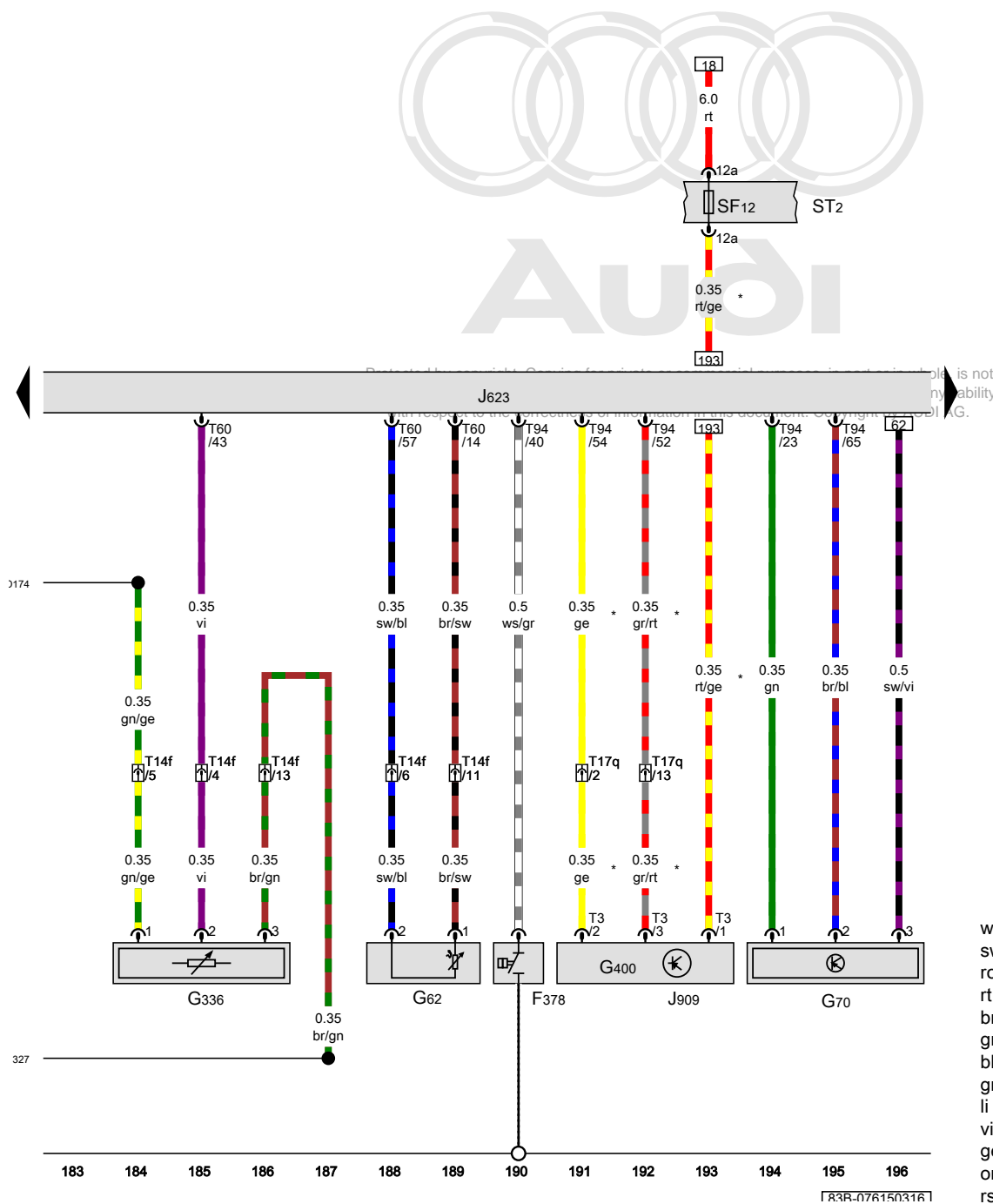
- G31 Charge air pressure sensor
- G42 Intake air temperature sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G247 Fuel pressure sensor
- G410 Low fuel pressure sensor
- J338 Throttle valve control module
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector
- 327 Sensor ground connection (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)
- \* Only for vehicles with Flex Fuel



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183B-0761403161



## Reduced oil pressure switch, Intake manifold runner position sensor

- F378 Reduced oil pressure switch
- G62 Engine coolant temperature sensor
- G70 Mass airflow sensor
- G336 Intake manifold runner position sensor
- G400 Fuel tank pressure sensor
- J623 Engine control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF12 Fuse 12 (on fuse panel F)
- T3 3-pin connector
- T14f 14-pin connector, in the engine compartment
- T17q 17-pin connector
- T60 60-pin connector
- T94 94-pin connector

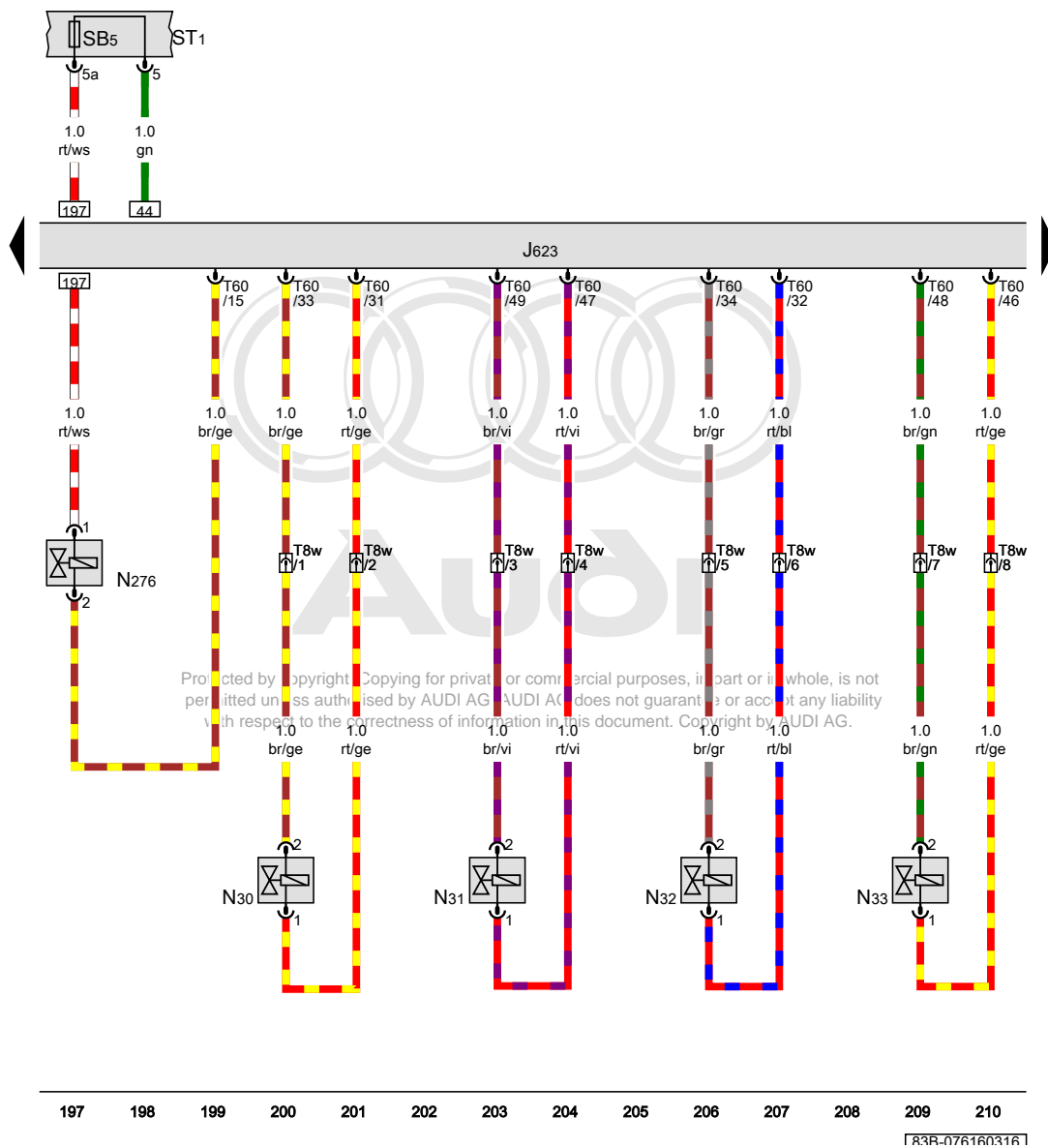
327 Sensor ground connection (in engine compartment wiring harness)

D174 Connection 2 (5V) (in engine pre-wiring harness)

\* Only for vehicles with a fuel system diagnostic pump

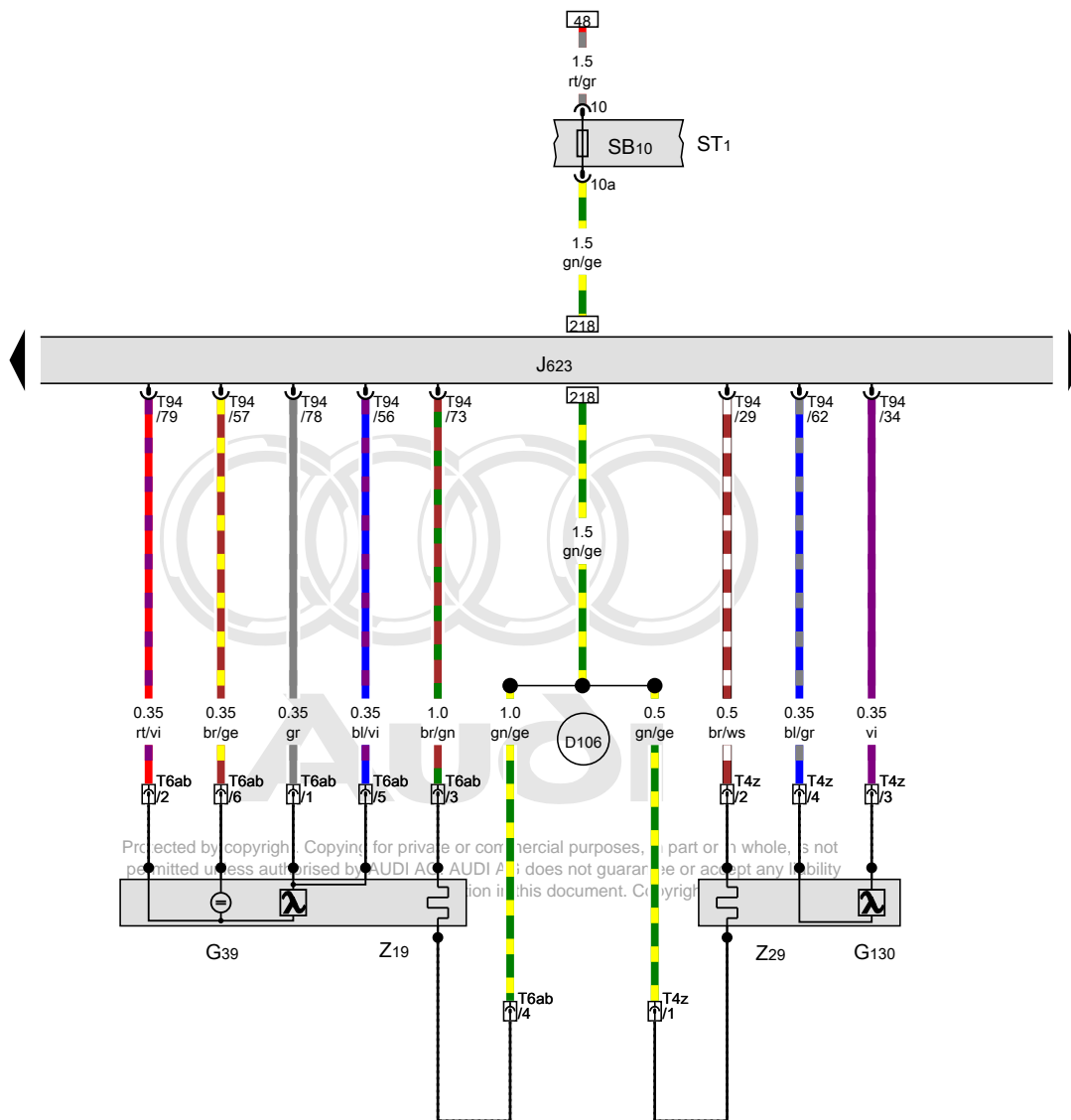
Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Fuel pressure regulator valve

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- N276 Fuel pressure regulator valve
- ST1 Fuse panel 1
- SB5 Fuse 5 (on fuse panel B)
- T8w 8-pin connector, in the engine compartment
- T60 60-pin connector

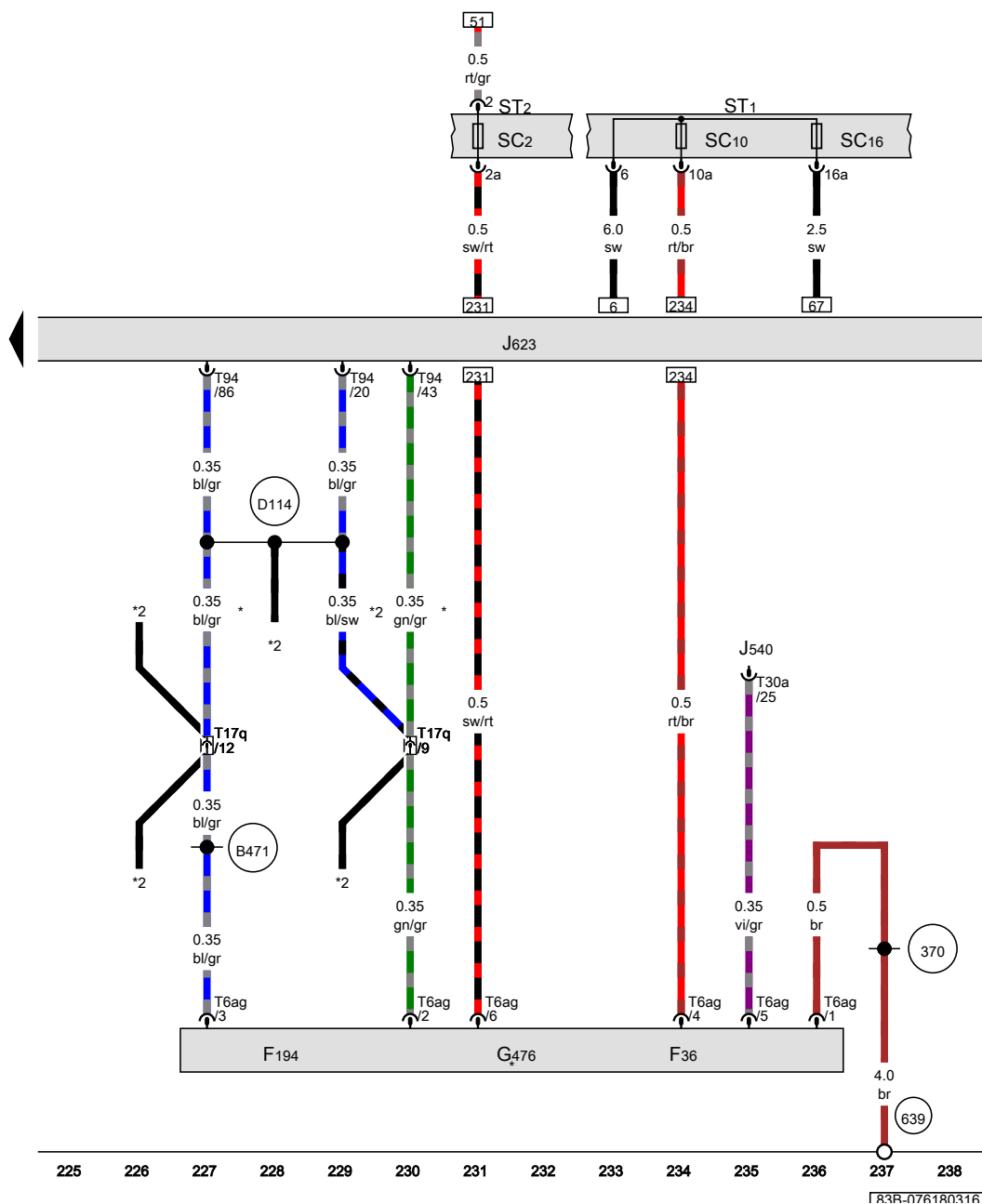


# Heated oxygen sensor, Oxygen sensor after catalytic converter

- G39 Heated oxygen sensor
- G130 Oxygen sensor after catalytic converter
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T4z 4-pin connector, brown
- T6ab 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D106 Connection 4 (in engine compartment wiring harness)



- ws = white
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- ro = red
- rt = red
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- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



### Clutch position sensor

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- ST1 Fuse panel 1
- SC2 Fuse 2 (on fuse panel C)
- ST2 Fuse panel 2
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T6ag 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T94 94-pin connector

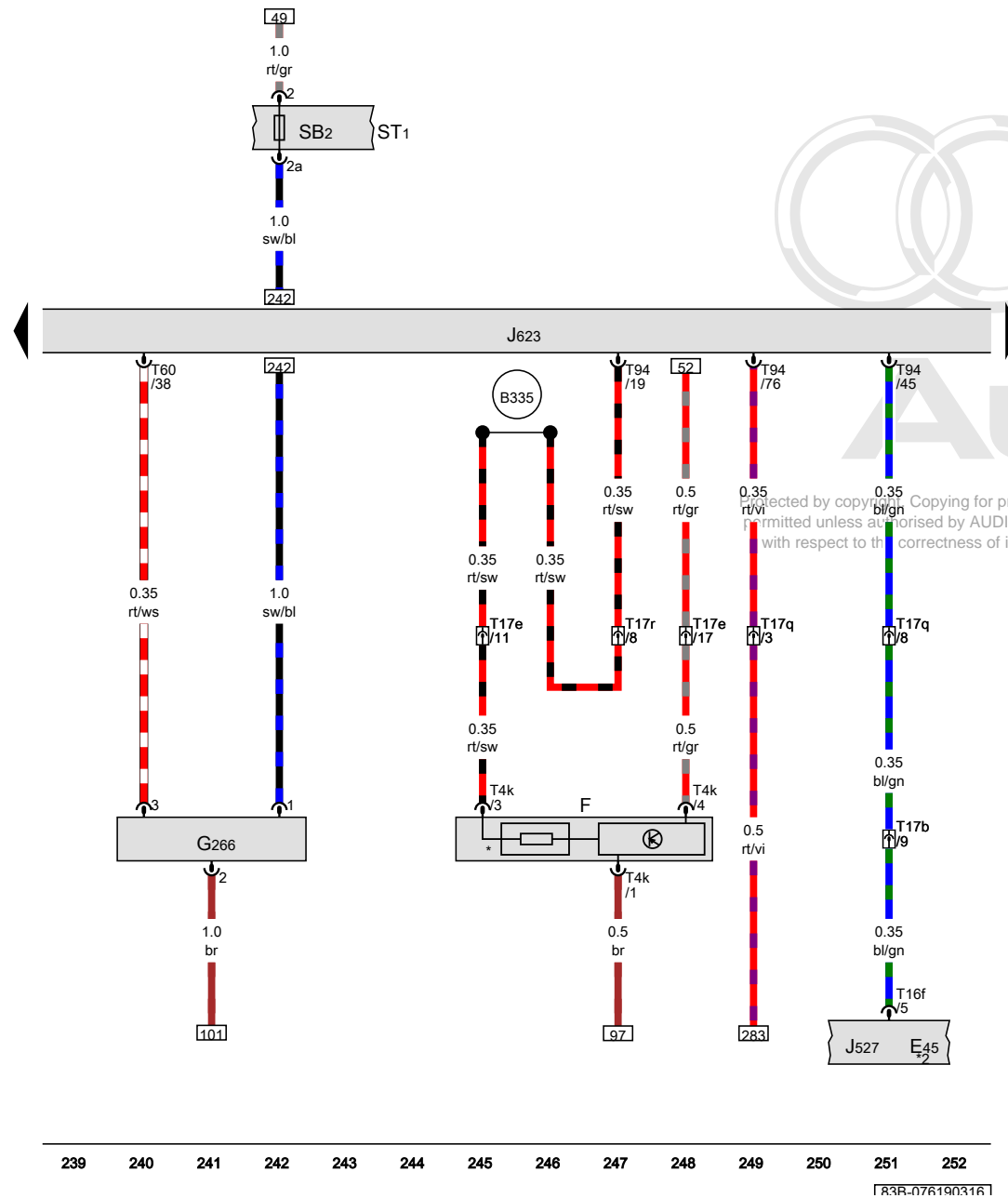
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- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- \* Only for vehicles with a manual transmission
- \*2 Refer to applicable wiring diagram for automatic transmission

ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
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vi = lilac  
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rs = pink



Brake lamp switch, Steering column electronics control module



- E45 Cruise control switch
- F Brake lamp switch
- G266 Oil level thermal sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- T4k 4-pin connector
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T60 60-pin connector
- T94 94-pin connector

B335 Connection 54 (in main wiring harness) 1

- \* Brake lamp sensor system coil
- \*2 Only for vehicles with cruise control

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

183B-0761903161

# Data bus on board diagnostic interface

- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T17b 17-pin connector, blue
- T17r 17-pin connector, white
- T20d 20-pin connector
- T94 94-pin connector

B383 Powertrain CAN bus high connection 1 (in main wiring harness)

B385 Powertrain CAN bus high connection 3 (in main wiring harness)

B390 Powertrain CAN bus low connection 1 (in main wiring harness)

B392 Powertrain CAN bus low connection 3 (in main wiring harness)

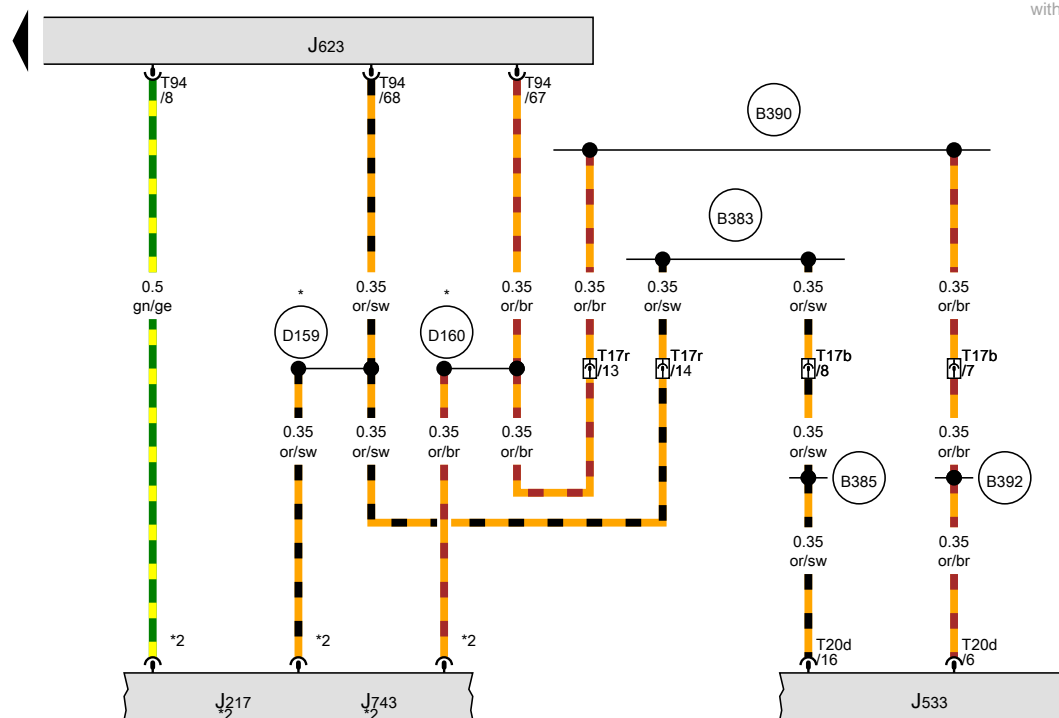
D159 High bus connection (in engine compartment wiring harness)

D160 Low bus positive connection (in engine compartment wiring harness)

\* Only for vehicles with automatic transmission

\*2 Refer to applicable wiring diagram for automatic transmission

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

253 254 255 256 257 258 259 260 261 262 263 264 265 266

183B-0762003161

Instrument cluster control module, Data bus on board diagnostic interface

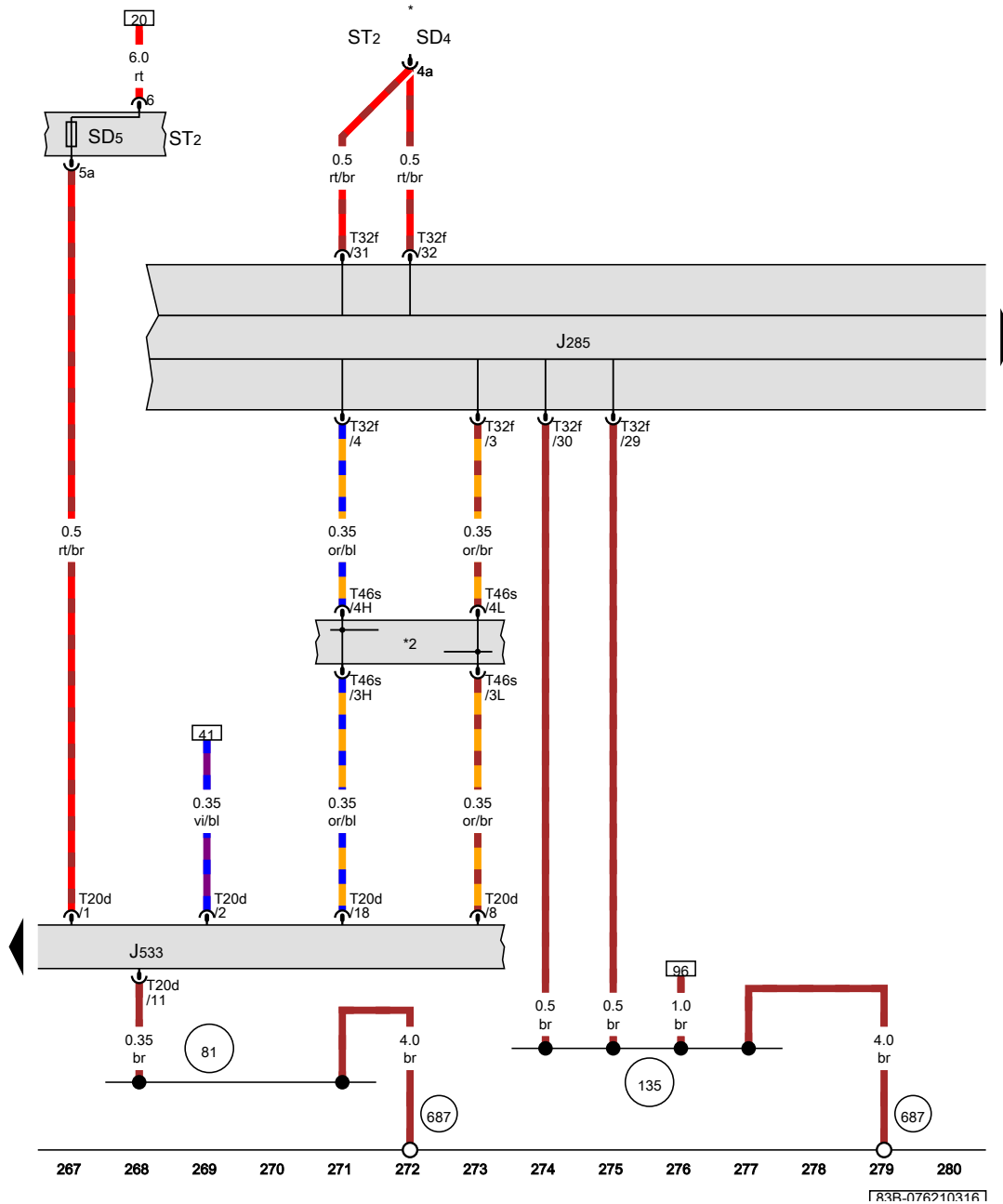
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

81 Ground connection 1 (in instrument panel wiring harness)

135 Ground connection 2 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

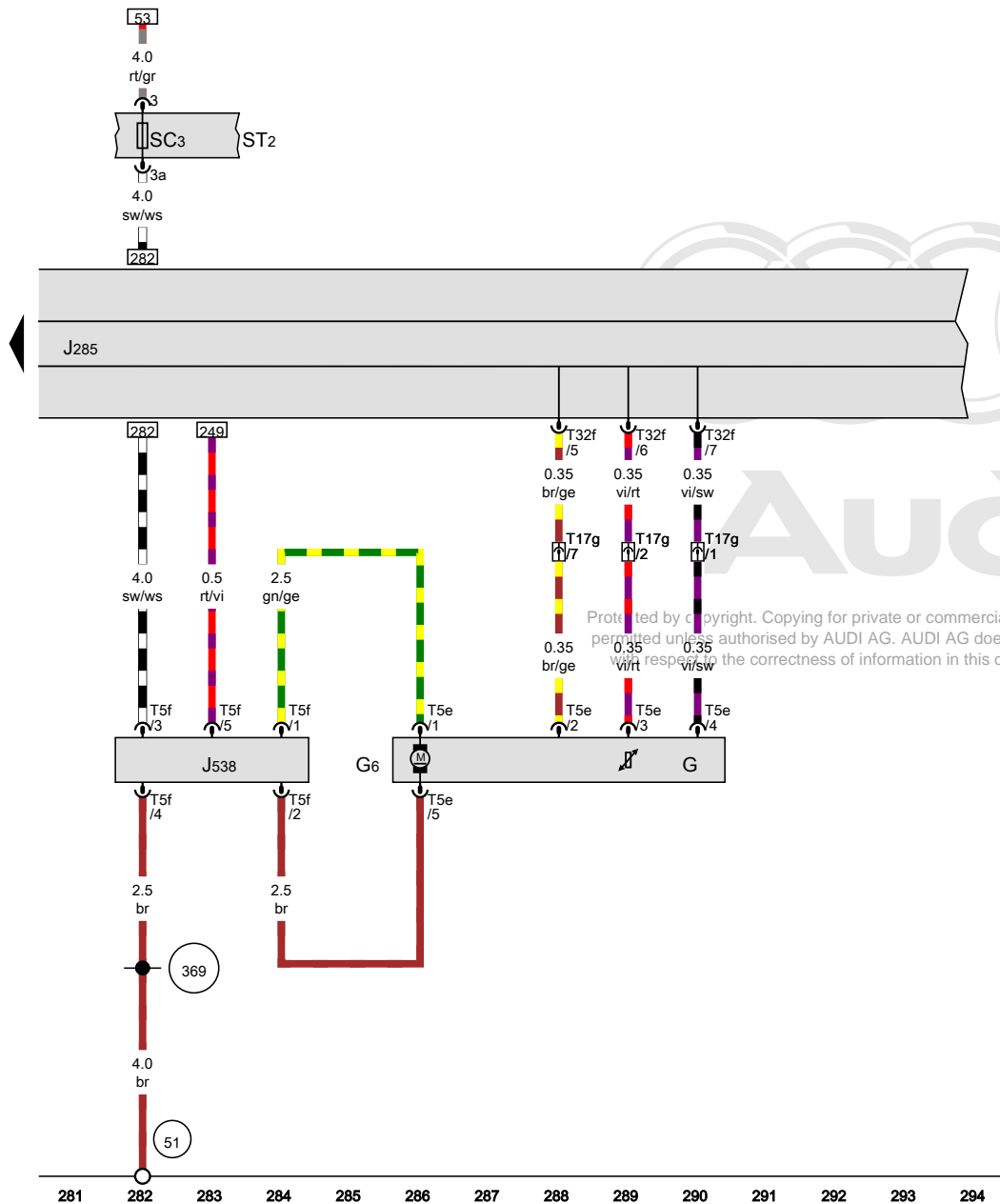
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug



- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
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- li = lilac
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Fuel level sensor, Transfer fuel pump, Instrument cluster control module, Fuel pump control module



- G Fuel level sensor
- G6 Transfer fuel pump
- J285 Instrument cluster control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T5e 5-pin connector
- T5f 5-pin connector
- T17g 17-pin connector, black
- T32f 32-pin connector

- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)

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

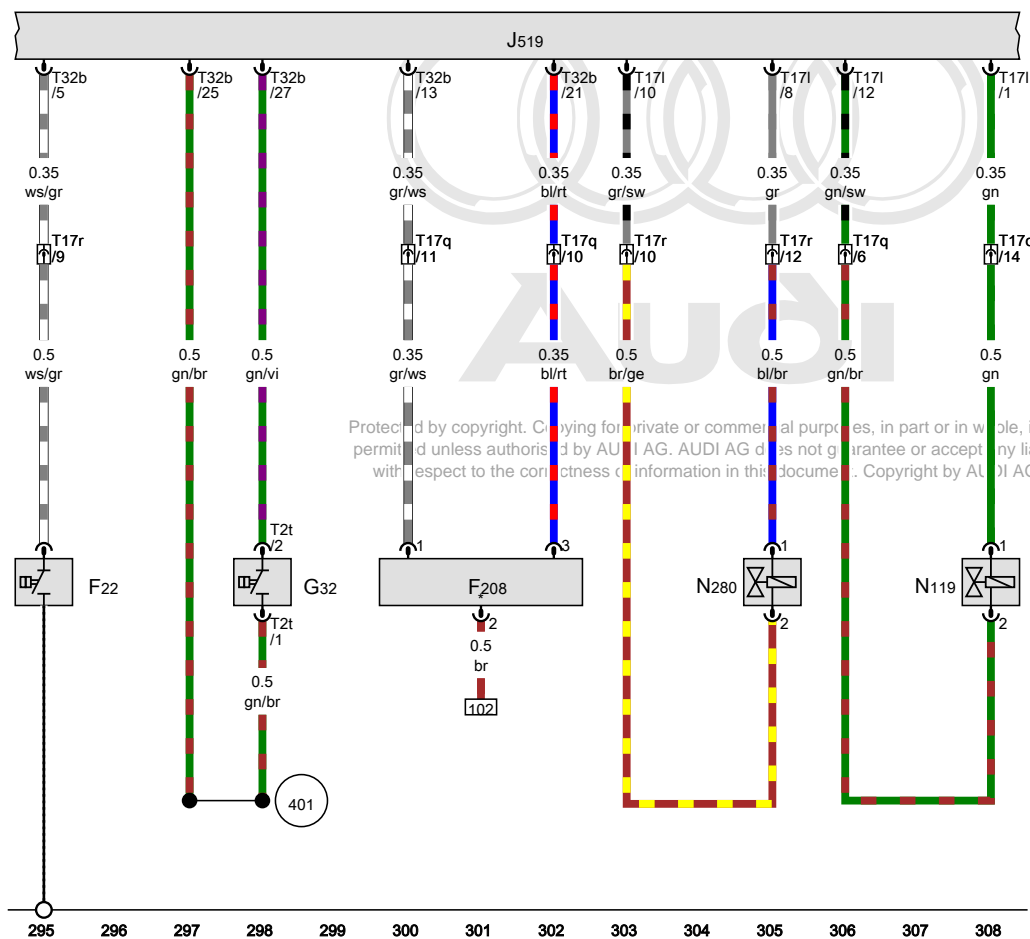
183B-076220316

Oil pressure switch, Engine coolant level sensor, Vehicle electrical system control module

- F22 Oil pressure switch
- F208 Transmission range gear recognition switch
- G32 Engine coolant level sensor
- J519 Vehicle electrical system control module
- N119 Servotronic solenoid valve
- N280 A/C compressor regulator valve
- T2t 2-pin connector
- T17l 17-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T32b 32-pin connector

401 Sensor ground connection (in interior wiring harness)

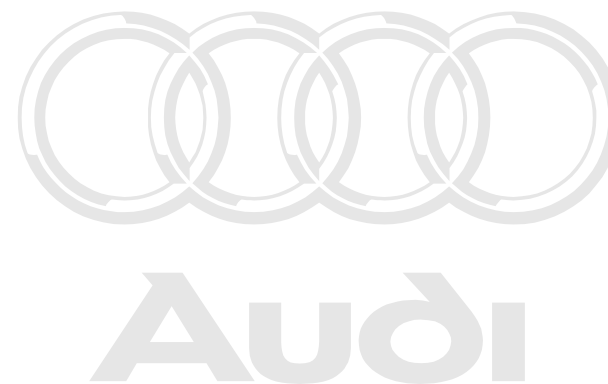
\* Only for vehicles with a manual transmission



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**Start/Stop system**  
from May 2010



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# Voltage stabilizer

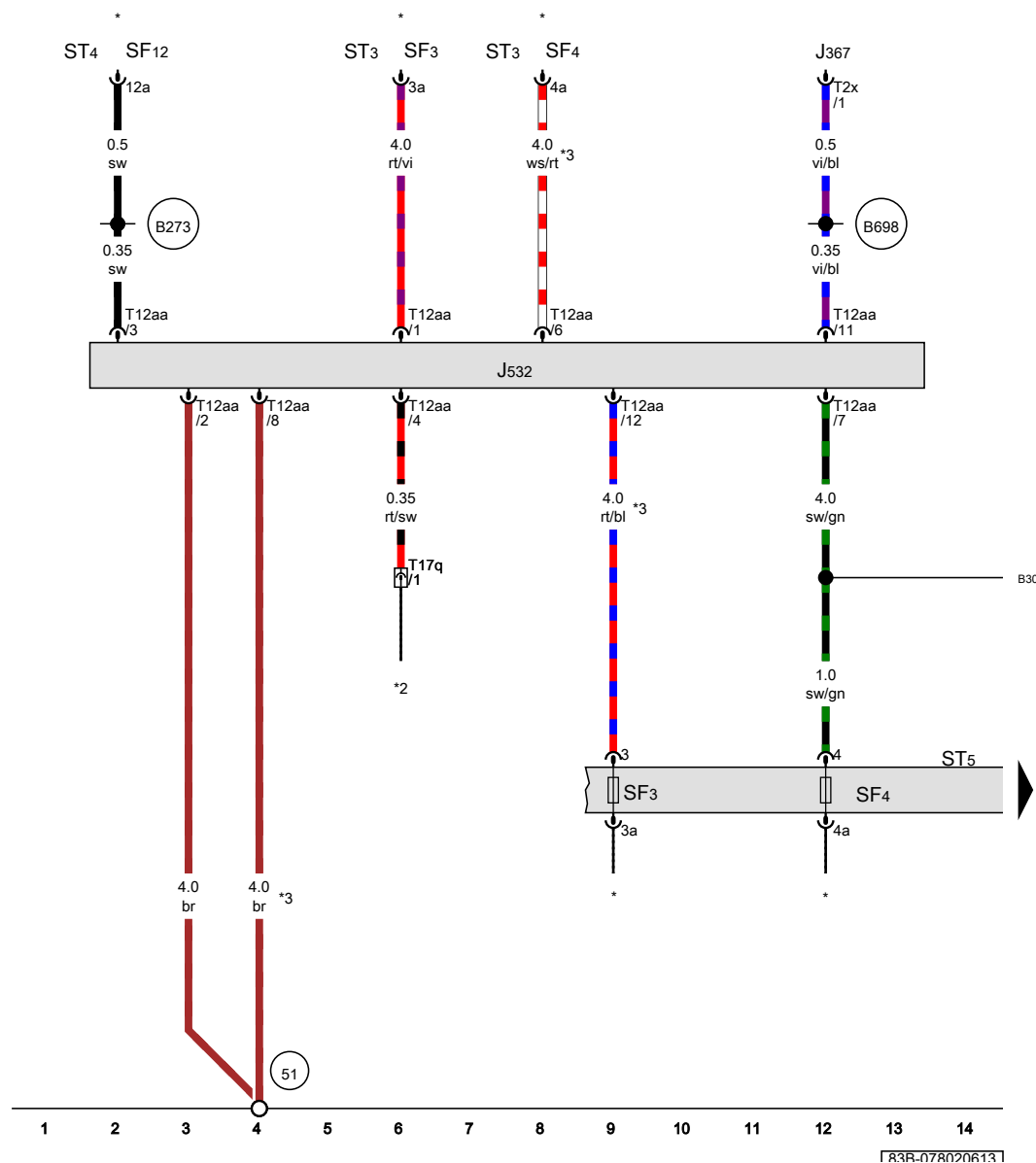
- J367 Battery monitoring control module
- J532 Voltage stabilizer
- SF3 Fuse 3 (on fuse panel F)
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- SF12 Fuse 12 (on fuse panel F)
- T2x Double connector
- T12aa 12-pin connector
- T17q 17-pin connector, red

- 51 Ground connection in luggage compartment, right
- B273 Positive connection (15) (in main wiring harness)
- B308 Positive connection 12 (30) (in main wiring harness)
- B698 LIN bus connection 3 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 only for vehicles with 400 W voltage stabilizer

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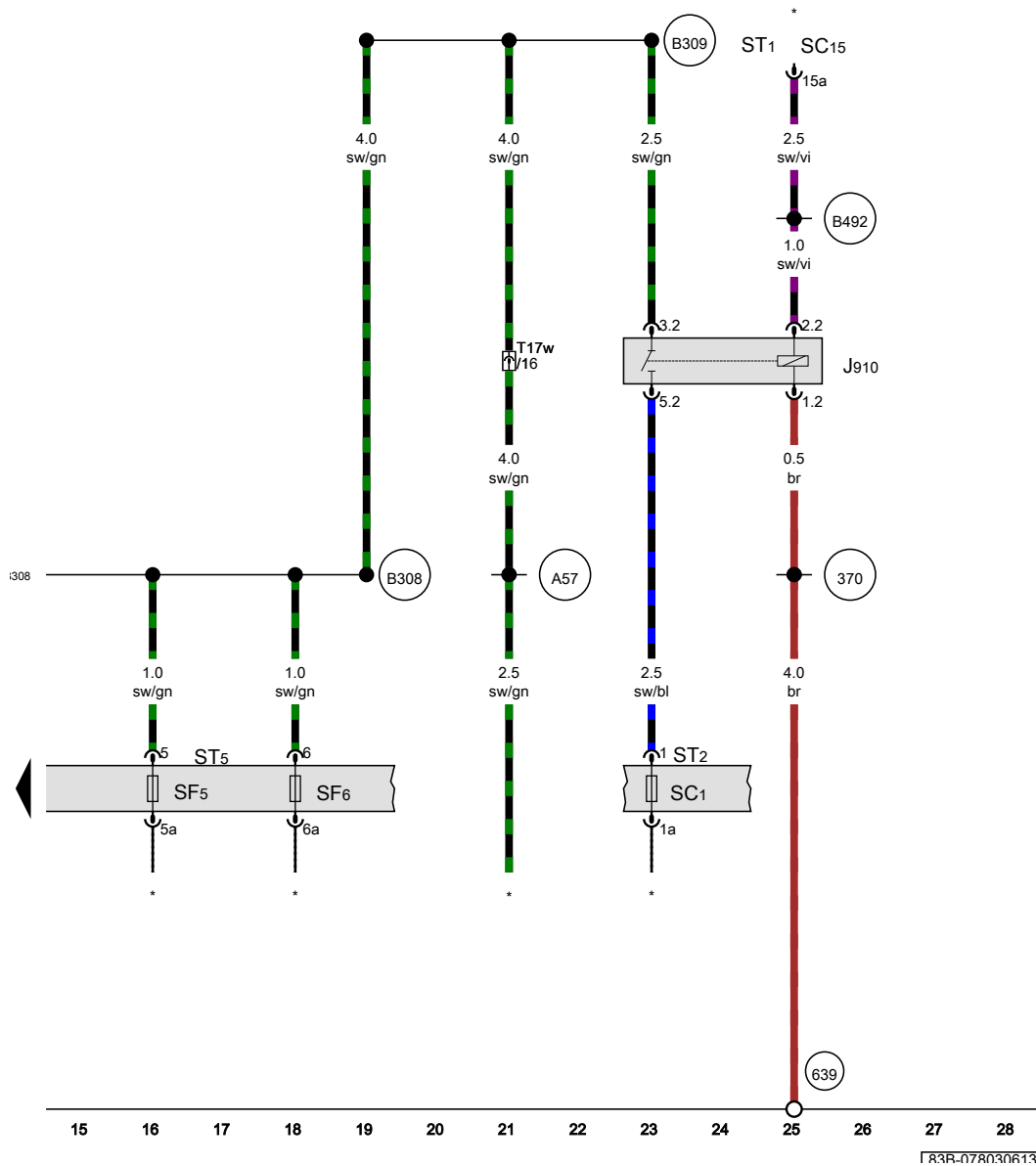
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
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- rs = pink



# Automatic dimming interior rearview mirror relay

- J910 Automatic dimming interior rearview mirror relay
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SF5 Fuse 5 (on fuse panel F)
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- SC15 Fuse 15 (on fuse panel C)
- T17w 17-pin connector

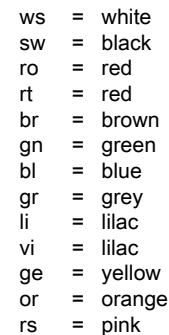
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- A57 Positive connection 3 (30) (in instrument panel wiring harness)
- B308 Positive connection 12 (30) (in main wiring harness)
- B309 Positive connection 13 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable wiring diagram for fuse positions



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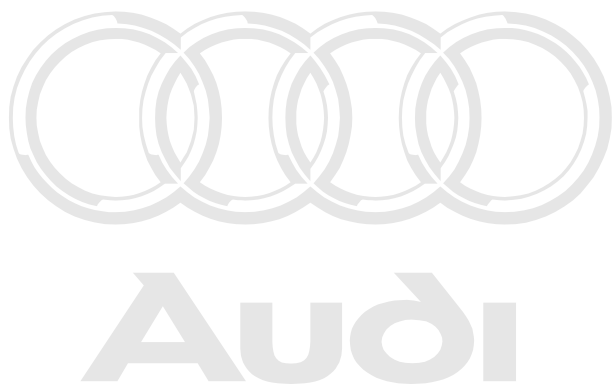


E656	Electrical drive button
E693	Start/Stop mode button
J519	Vehicle electrical system control module
T8s	8-pin connector
T12ab	12-pin connector
T17b	17-pin connector, blue
T32a	32-pin connector
T32b	32-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B478 Connection 14 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Only for vehicles without hybrid drive
- \*2 Omitted as a running change
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 only for vehicles with hybrid drive

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**Automatic transmission - 8-speed 0BK/0BW**  
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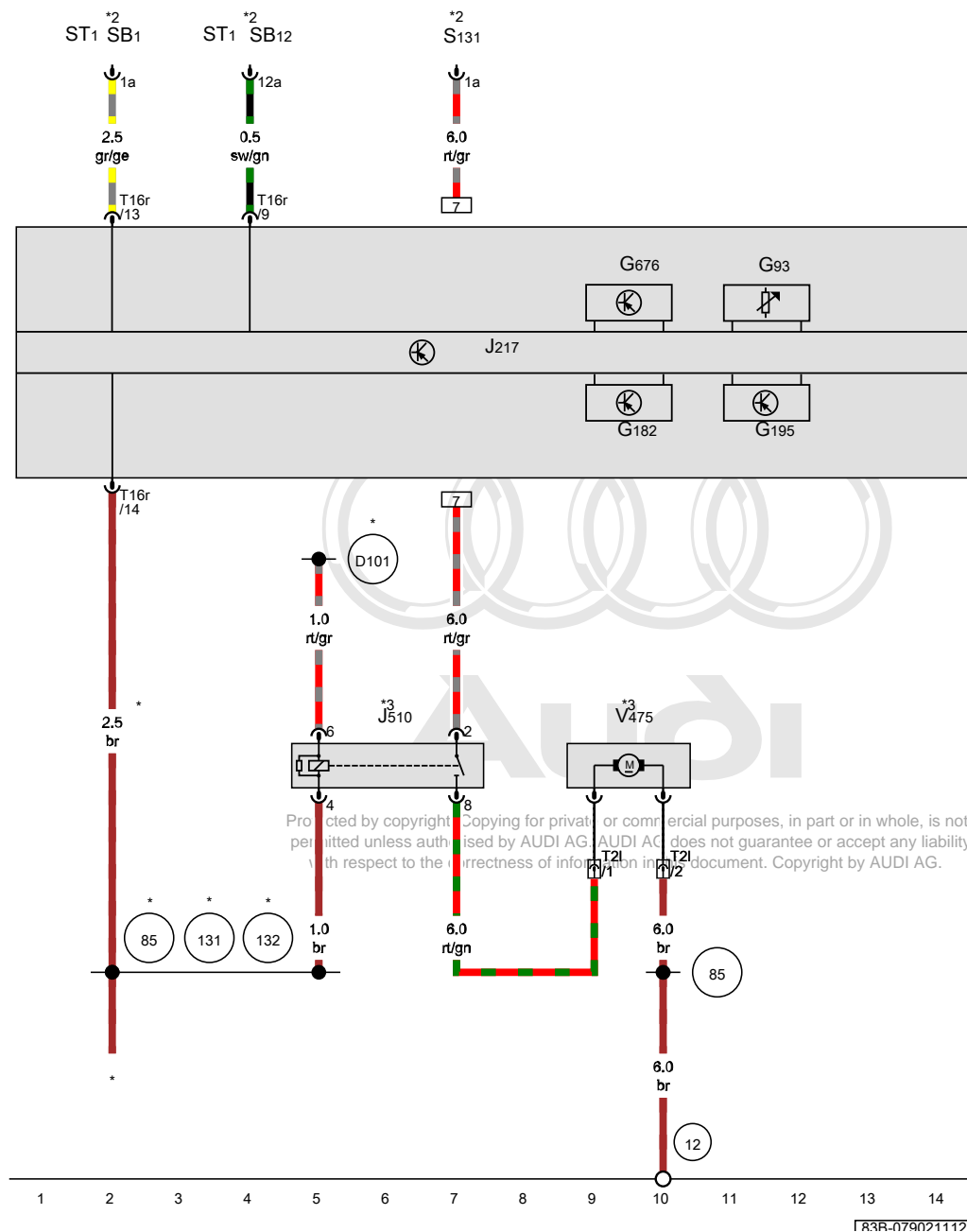
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Transmission fluid temperature sensor, Transmission input speed sensor, Transmission output speed sensor, Drive position sensor, Transmission control module

- G93 Transmission fluid temperature sensor
- G182 Transmission input speed sensor
- G195 Transmission output speed sensor
- G676 Drive position sensor
- J217 Transmission control module
- J510 Transmission hydraulic pump relay
- ST1 Fuse panel 1
- SB1 Fuse 1 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- S131 Safety fuse 1
- T2I Double connector, on the transmission
- T16r 16-pin connector
- V475 Transmission fluid auxiliary hydraulic pump 1

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 131 Ground connection 2 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 only for vehicles with hybrid drive



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Transmission control module, Data bus on board diagnostic interface, Solenoid valve 1, Automatic transmission pressure regulating valve 1

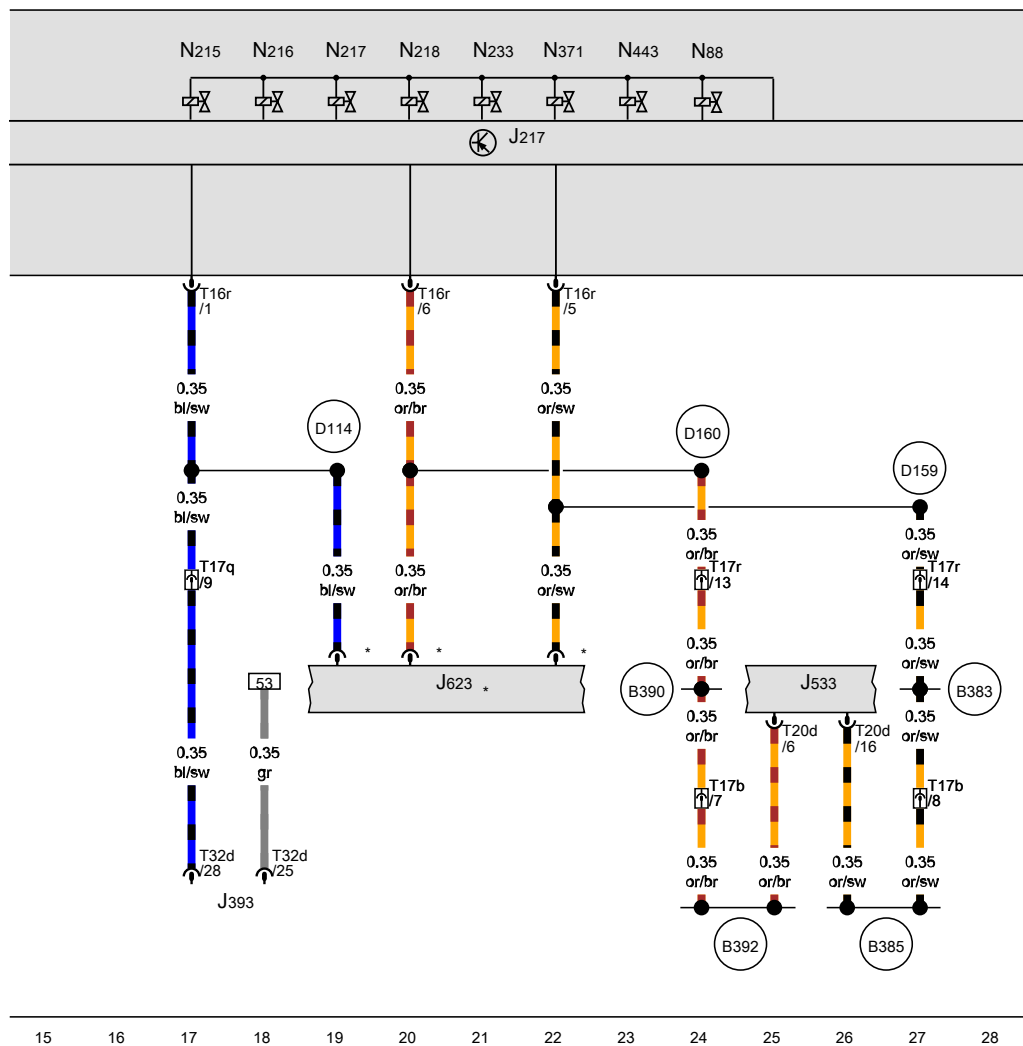
- J217 Transmission control module
- J393 Comfort system central control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- N88 Solenoid valve 1
- N215 Automatic transmission pressure regulating valve 1
- N216 Automatic transmission pressure regulating valve 2
- N217 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
- N443 Automatic transmission pressure regulating valve 7
- T16r 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20d 20-pin connector
- T32d 32-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)

\* Refer to applicable engine wiring diagram

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or = orange  
rs = pink



183B-0790311121

Transmission control module, Vehicle electrical system control module, Selector lever sensor system control module

- J217 Transmission control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- T10k 10-pin connector
- T16r 16-pin connector
- T17q 17-pin connector, red
- T32b 32-pin connector

B472 Connection 8 (in main wiring harness)

X4 CAN bus Hybrid high connection 1 (in engine compartment wiring harness)

X5 CAN bus Hybrid low connection 1 (in engine compartment wiring harness)

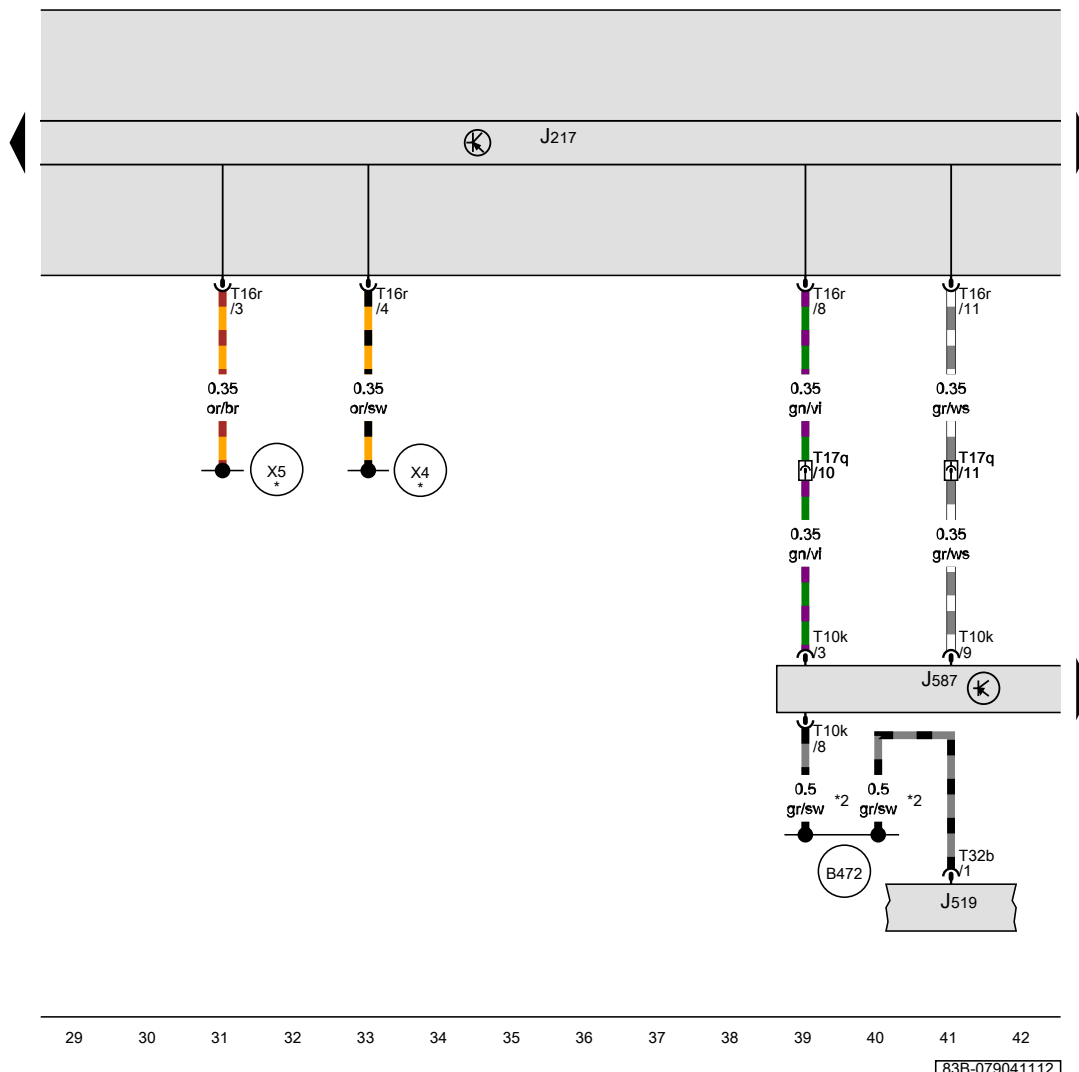
\* Refer to applicable engine wiring diagram

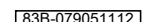
\*2 Diameter depends on equipment



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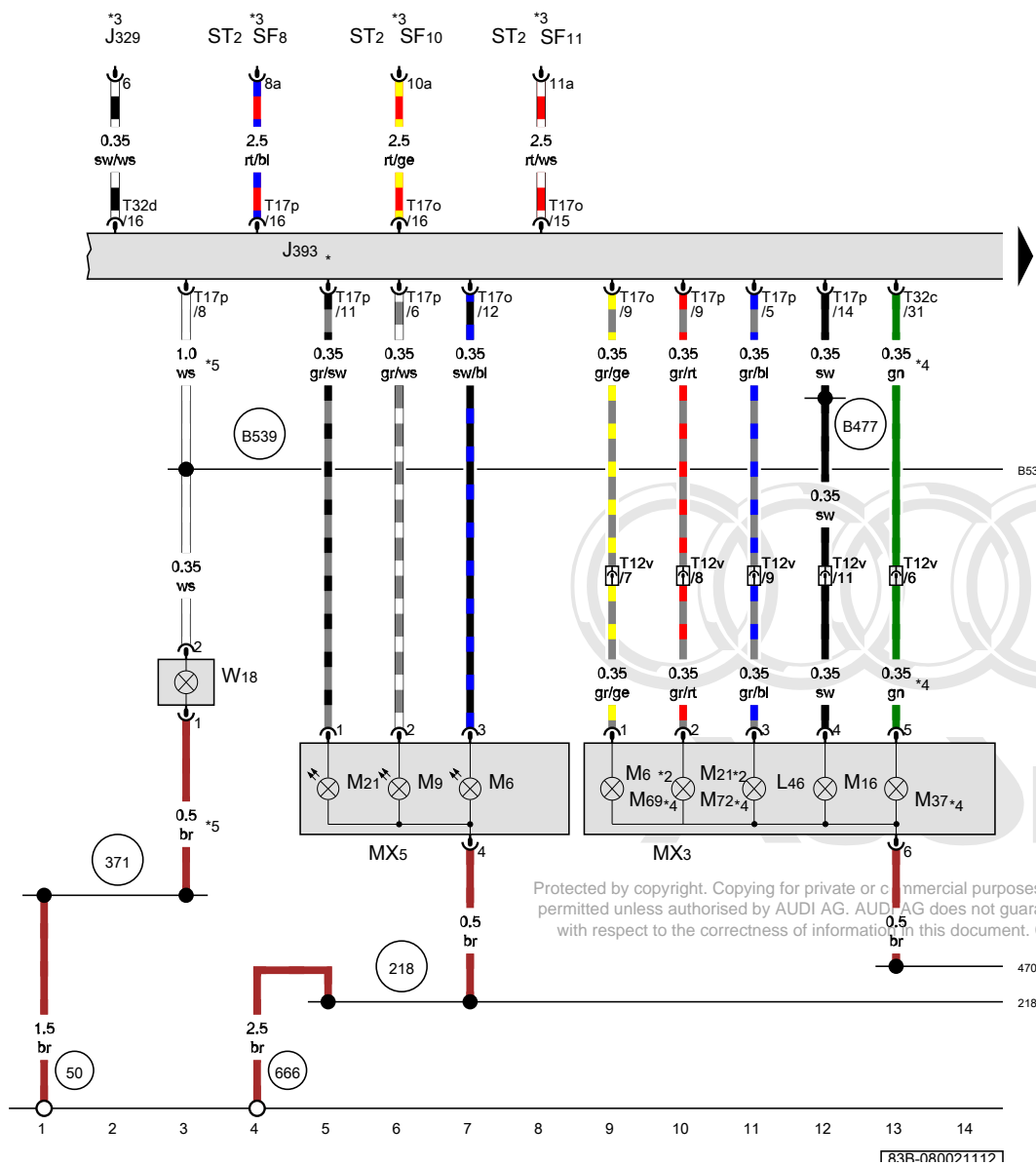
## Tail lamps with LEDs

from September 2008



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Left tail lamp, Left tail lamp 2, Left luggage compartment lamp

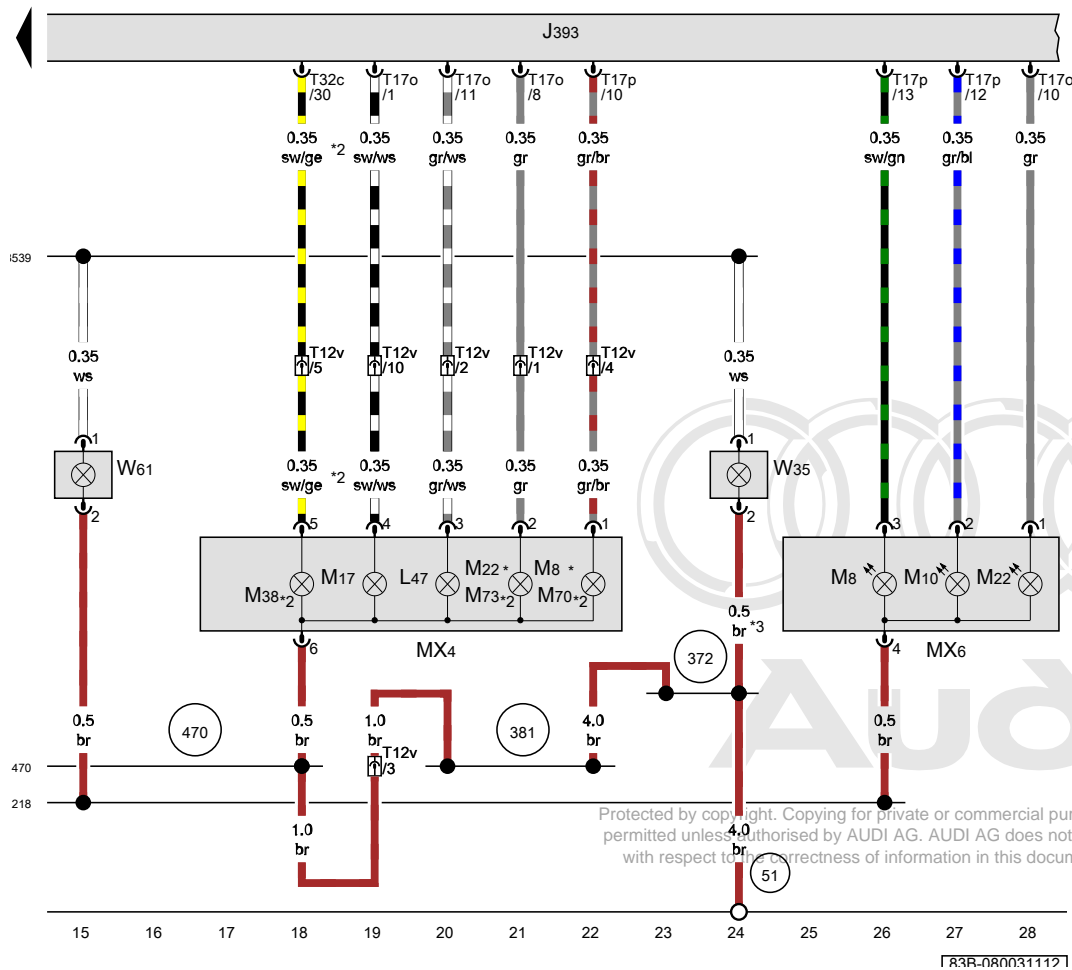


- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M9 Left brake lamp bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- W18 Left luggage compartment lamp

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- 666 Ground connection on roof, right rear
- B477 Connection 13 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles without US equipment
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 Only for vehicles with US equipment
- \*5 Diameter depends on equipment





Right tail lamp, Right tail lamp 2, Right luggage compartment lamp, Ambient lamp 25.40 mm rear lid

- J393 Comfort system central control module
- L47 Right rear fog lamp bulb
- MX4 Right tail lamp
- MX6 Right tail lamp 2
- M8 Right rear turn signal bulb
- M10 Right brake lamp bulb
- M17 Right back-up lamp bulb
- M22 Right brake/tail lamp bulb
- M38 Right rear side marker lamp bulb
- M70 Right brake lamp/turn signal/tail lamp bulb
- M73 Right brake lamp/turn signal/tail lamp bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W35 Right luggage compartment lamp
- W61 Ambient lamp 25.40 mm rear lid

- 51 Ground connection in luggage compartment, right
- 218 Ground connection 1 (in rear lid wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B539 Connection 30 (in main wiring harness)

- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment
- \*3 Diameter depends on equipment

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FR3R-0800311121

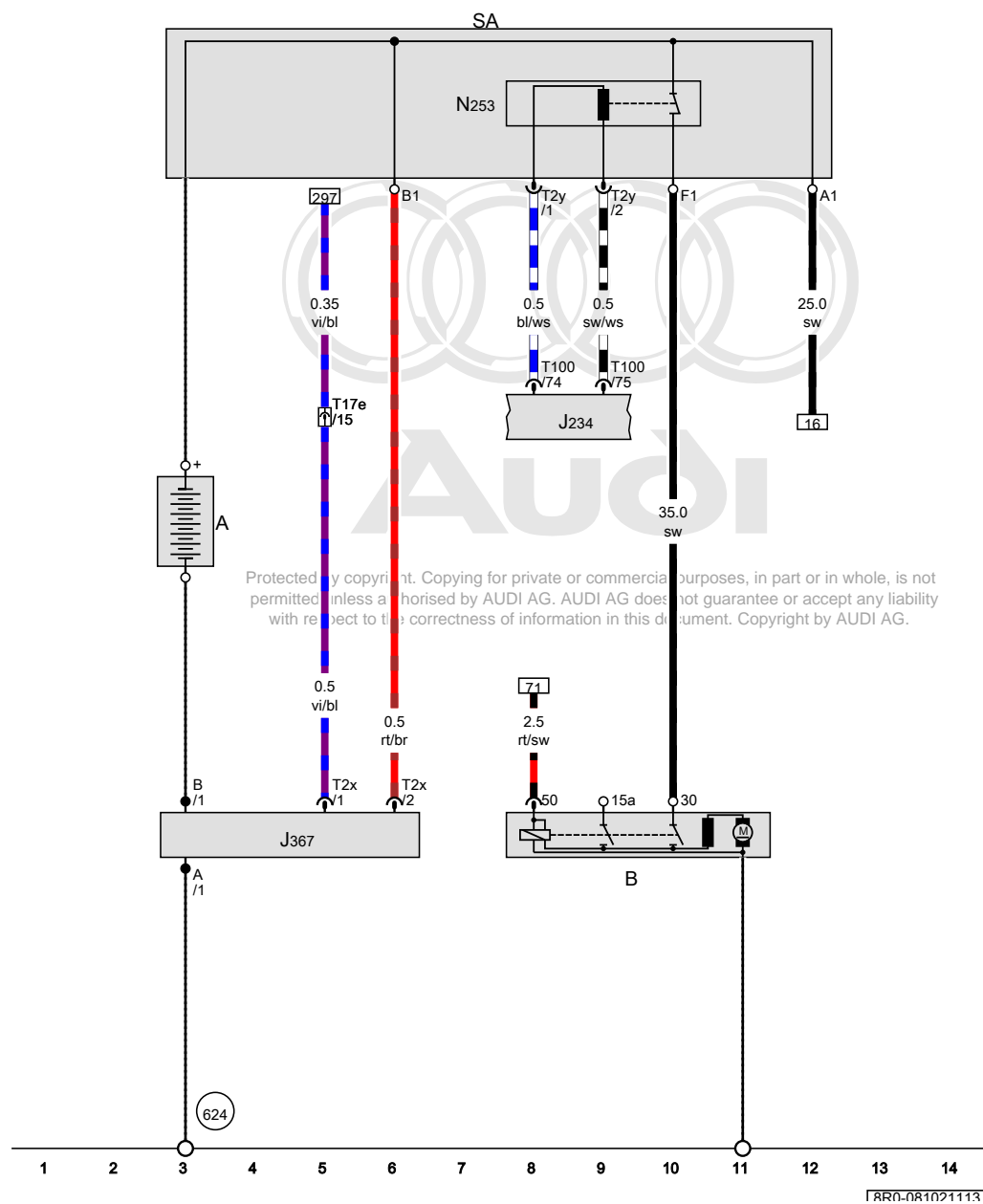
**2.0L gasoline engine , CHJA**  
from December 2010



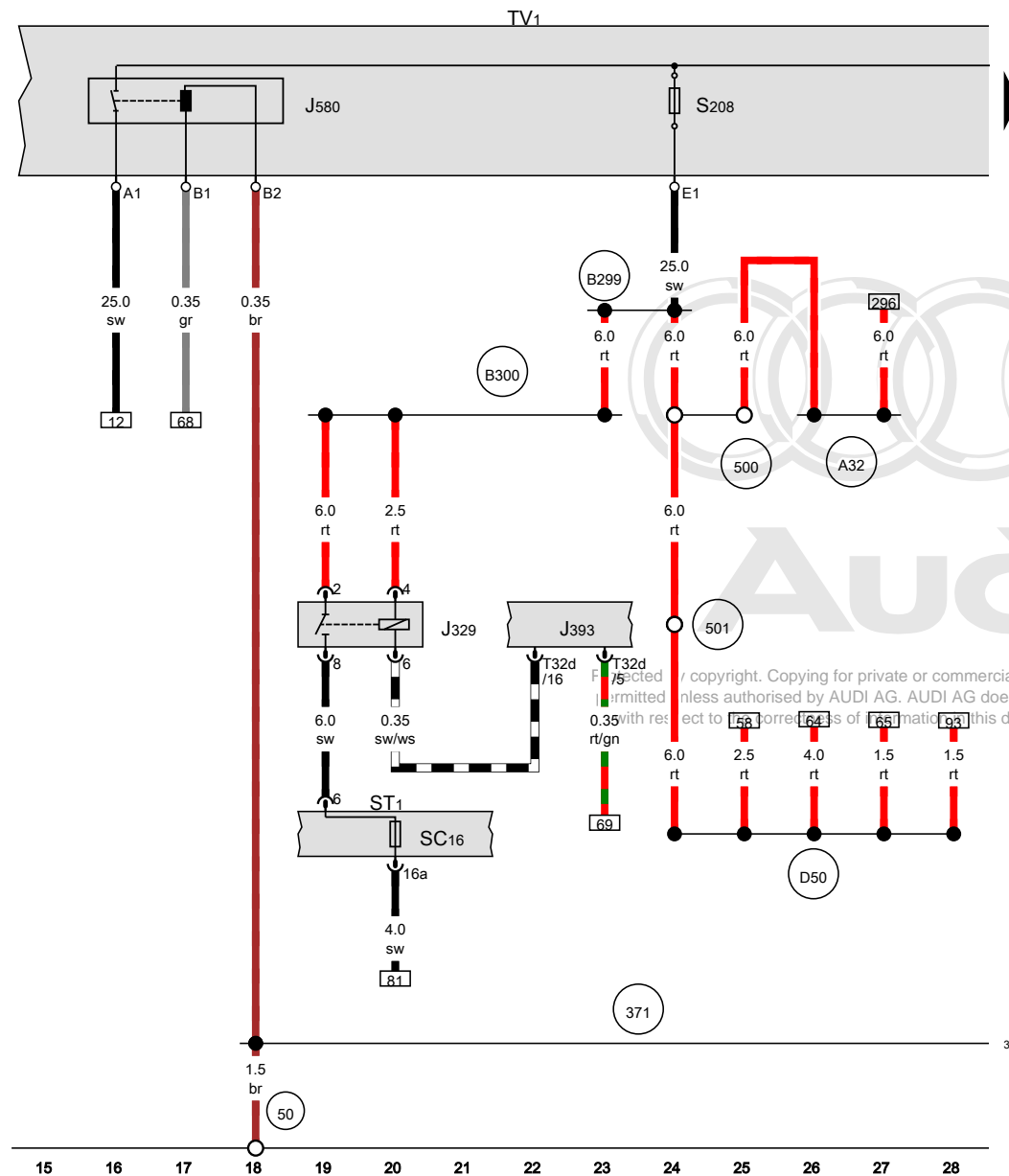
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Battery, Starter, Battery interrupt igniter, Fuse panel A

- A Battery
- B Starter
- J234 Airbag control module
- J367 Battery monitoring control module
- N253 Battery interrupt igniter
- SA Fuse panel A
- T2x Double connector
- T2y Double connector
- T17e 17-pin connector, red
- T100 100-pin connector
- 624 Ground connection near starter battery



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# Terminal 15 power supply relay, Starter battery switch-over relay, Wire junction

- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- J580 Starter battery switch-over relay
- ST1 Fuse panel 1
- SC16 Fuse 16 (on fuse panel C)
- S208 Fuse 5 (terminal 30)
- T32d 32-pin connector
- TV1 Wire junction

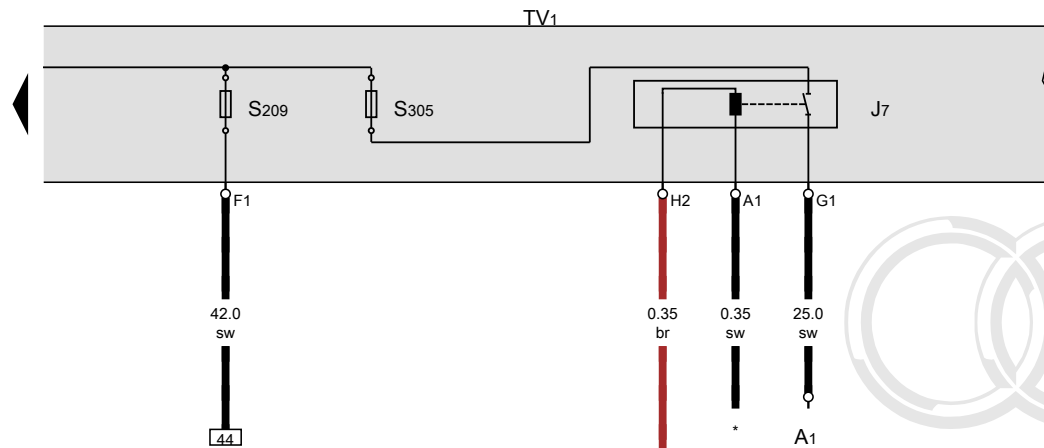
- 50 Ground connection in luggage compartment, left
- 371 Ground connection 6 (in main wiring harness)
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)

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 li = lilac  
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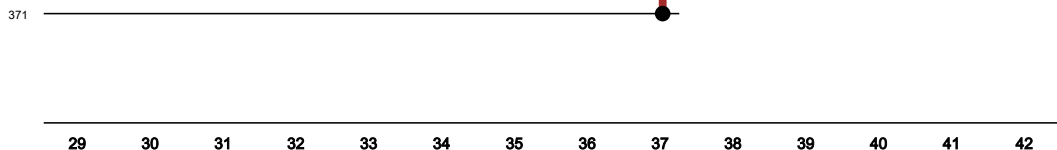
FRN-081031113

Battery cut-out relay, Wire junction

- A1 Auxiliary battery
- J7 Battery cut-out relay
- S209 Fuse 6 (terminal 30)
- S305 Special purpose vehicle fuse 15
- TV1 Wire junction
- 371 Ground connection 6 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions



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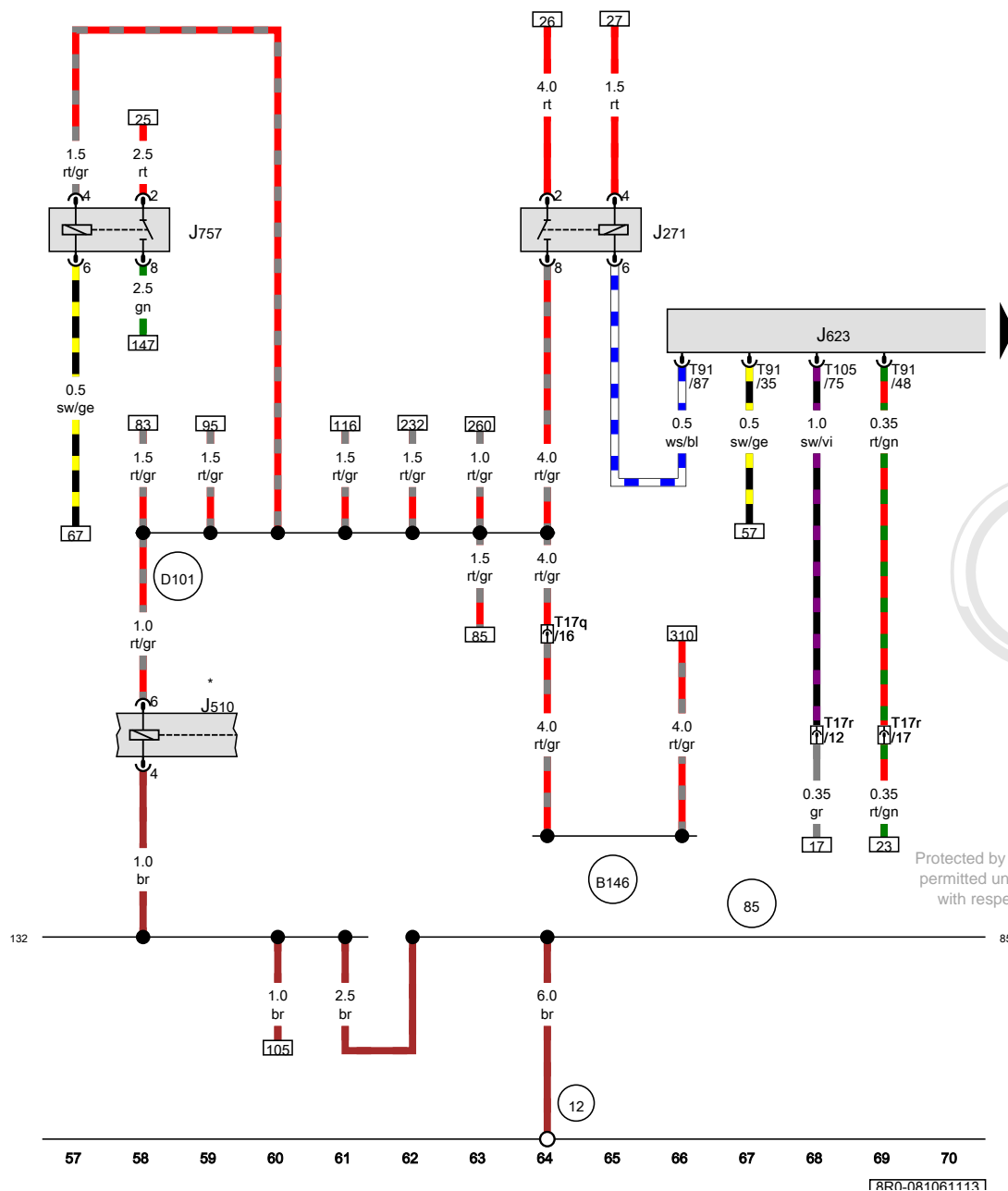


[ARB-081041113]

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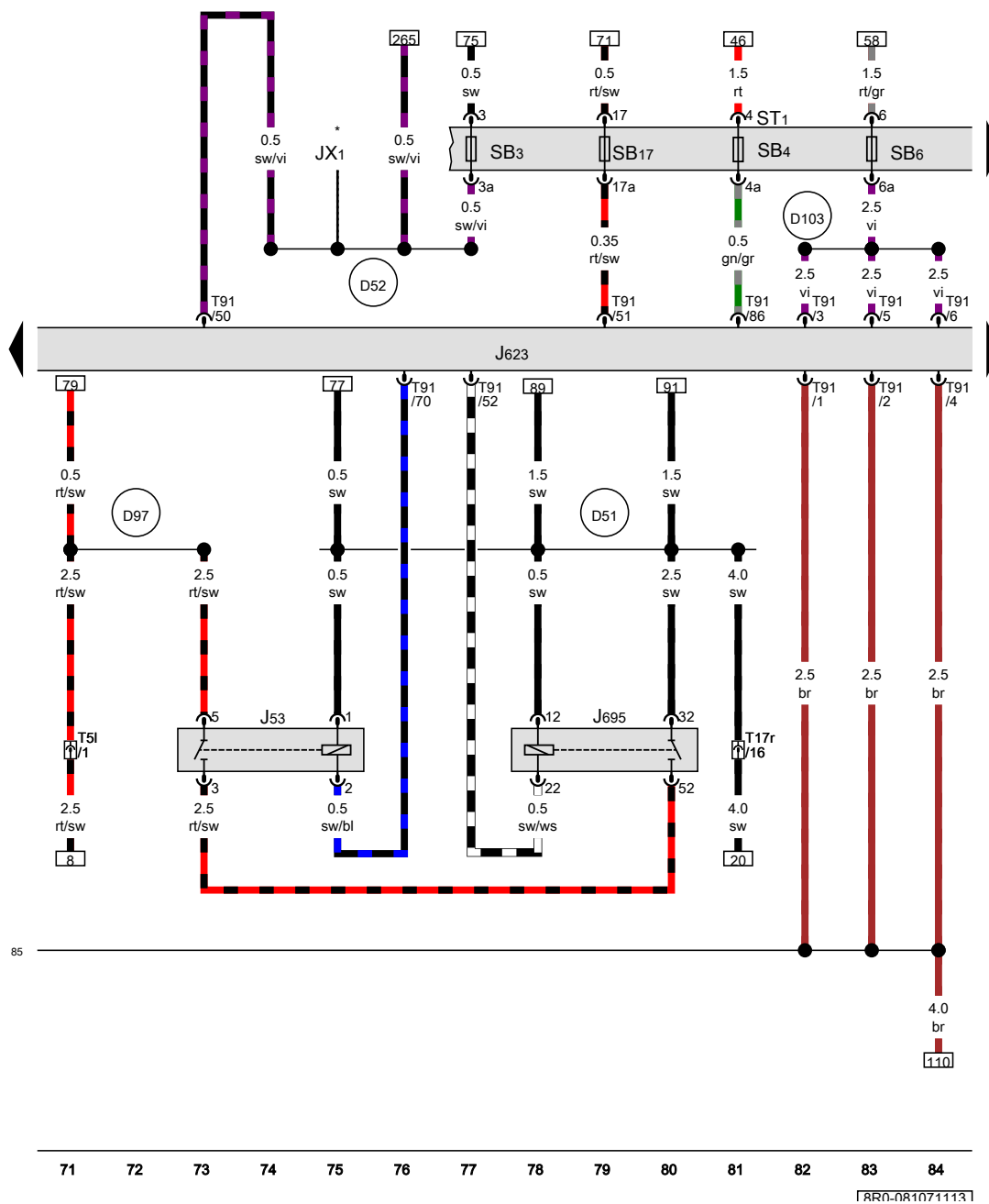
Motronic engine control module power supply relay, Engine component power supply relay



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ARB-081061113



## Starter relay, Relay 2 for starter

- JX1 Electric drive power and control electronics
- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB17 Fuse 17 (on fuse panel B)
- T51 5-pin connector, in the engine compartment
- T17r 17-pin connector, white
- T91 91-pin connector

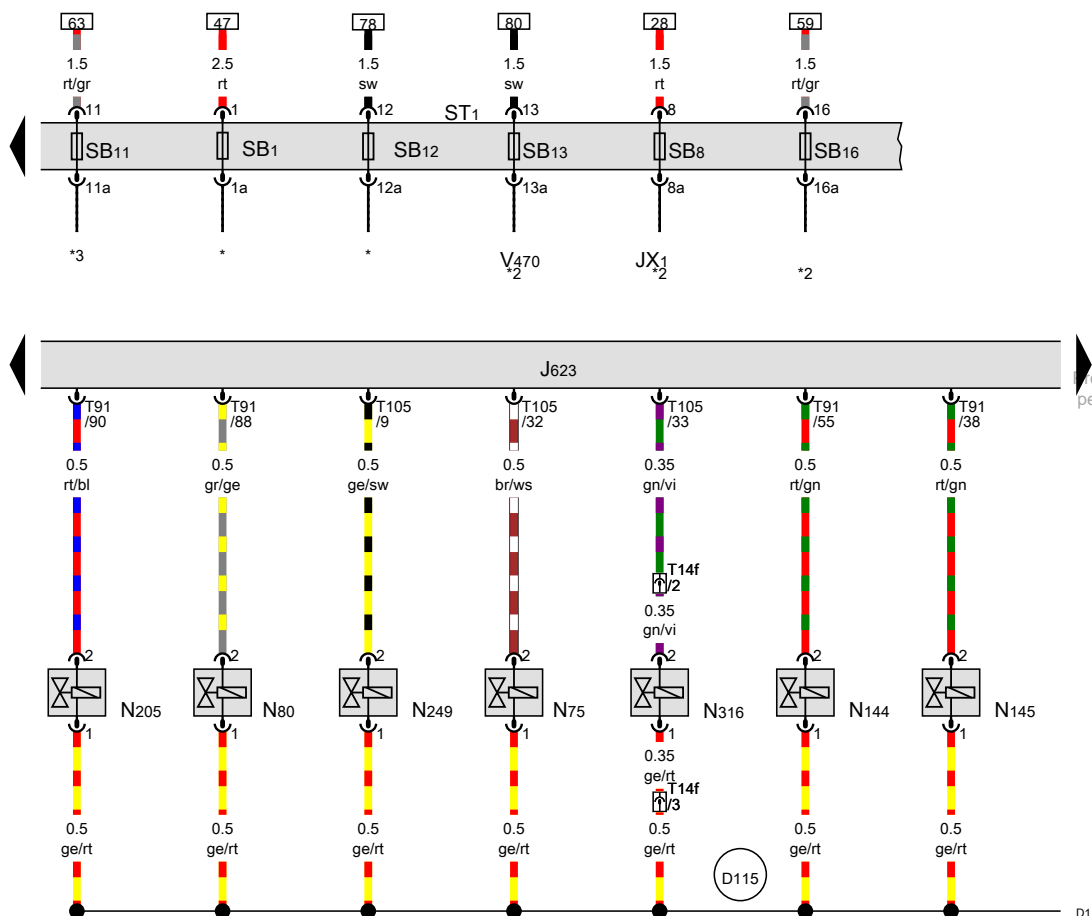
- 85 Ground connection 1 (in engine compartment wiring harness)
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)

\* Refer to applicable high voltage system wiring diagram

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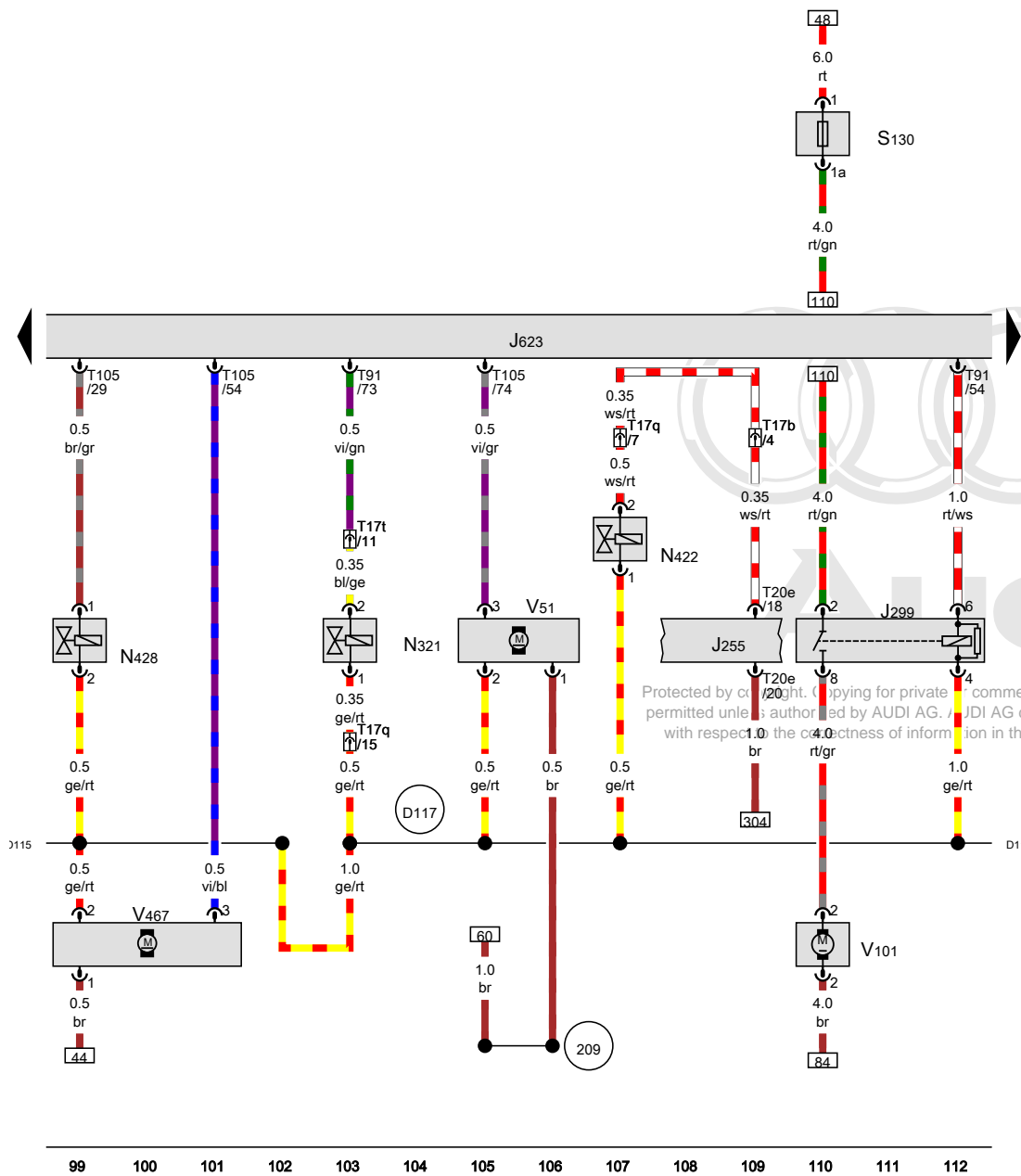
Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve, Camshaft adjustment valve 1, Turbocharger recirculation valve

- JX1 Electric drive power and control electronics
- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N80 EVAP canister purge regulator valve 1
- N144 Left electrohydraulic engine mount solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N205 Camshaft adjustment valve 1
- N249 Turbocharger recirculation valve
- N316 Intake manifold runner control valve
- SB1 Fuse 1 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- SB13 Fuse 13 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- T14f 14-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector
- V470 Electrical A/C compressor
- D115 Connection 13 (in engine compartment wiring harness)

- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Refer to applicable high voltage system wiring diagram
- \*3 Refer to applicable coolant fan wiring diagram

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Climatronic refrigerant shut-off valve, Oil pressure regulation valve, Secondary air injection pump motor



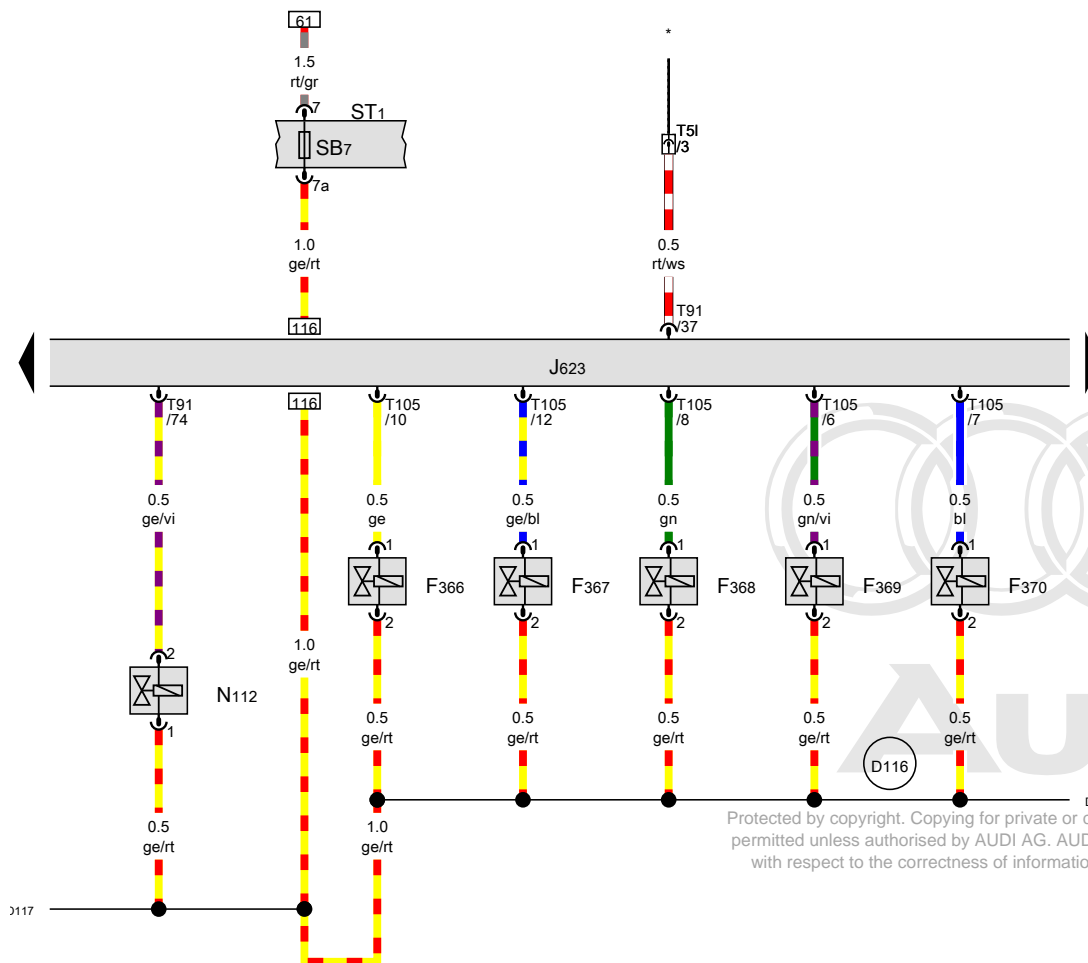
- J255 Climatronic control module
- J299 Secondary air injection pump relay
- J623 Engine control module
- N321 Exhaust door valve 1
- N422 Climatronic refrigerant shut-off valve
- N428 Oil pressure regulation valve
- S130 Secondary air injection pump fuse
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T17t 17-pin connector, brown
- T20e 20-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V51 After-run coolant pump
- V101 Secondary air injection pump motor
- V467 High temperature circuit coolant pump

- (209) Ground connection 6 (in engine compartment wiring harness)
- (D115) Connection 13 (in engine compartment wiring harness)
- (D117) Connection 15 (in engine compartment wiring harness)

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ARR-081091113

Cam adjustment actuator 1, Cam adjustment actuator 5,  
Secondary air injection solenoid valve



- 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
- J623 Engine control module
- N112 Secondary air injection solenoid valve
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- T5I 5-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector

D116 Connection 14 (in engine compartment wiring harness)

D117 Connection 15 (in engine compartment wiring harness)

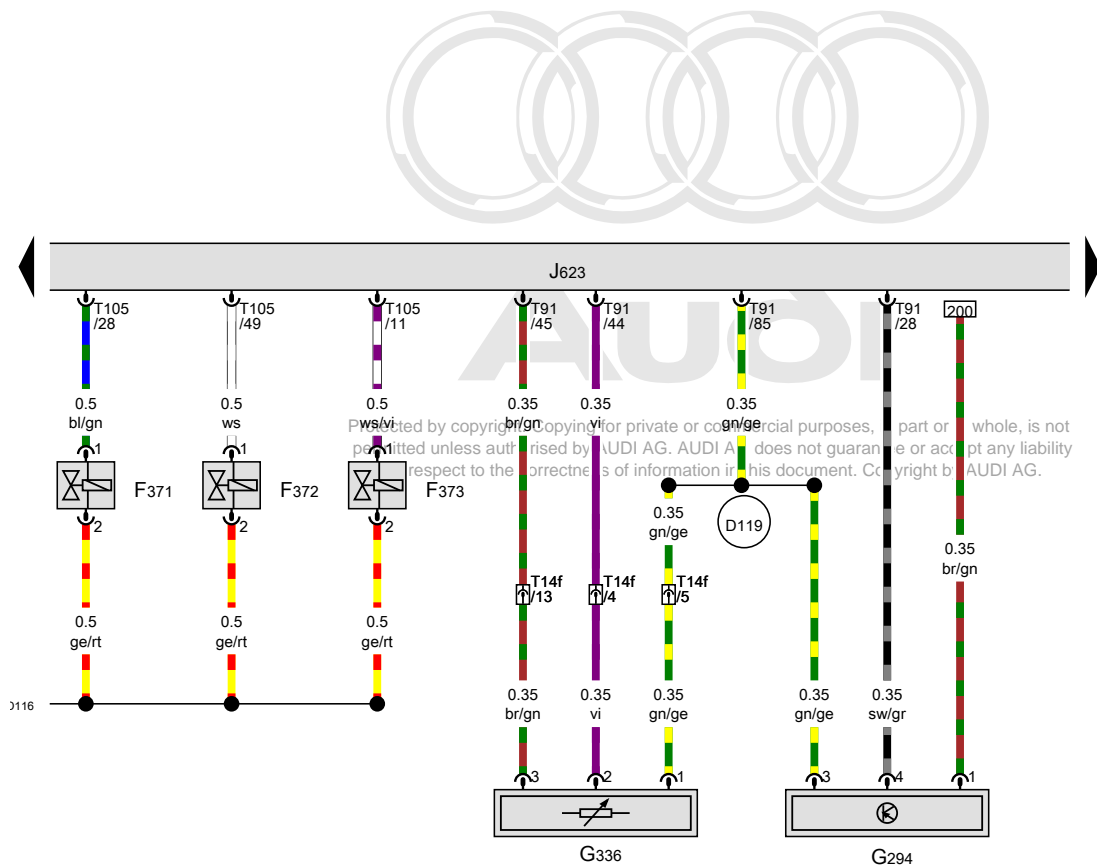
\* Refer to applicable coolant fan wiring diagram

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

[ARB-081101113]



Cam adjustment actuator 6, Cam adjustment actuator 7, Cam adjustment actuator 8, Intake manifold runner position sensor

- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- G294 Brake booster pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector

D116 Connection 14 (in engine compartment wiring harness)

D119 Connection 17 (in engine compartment wiring harness)

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- vi = lilac
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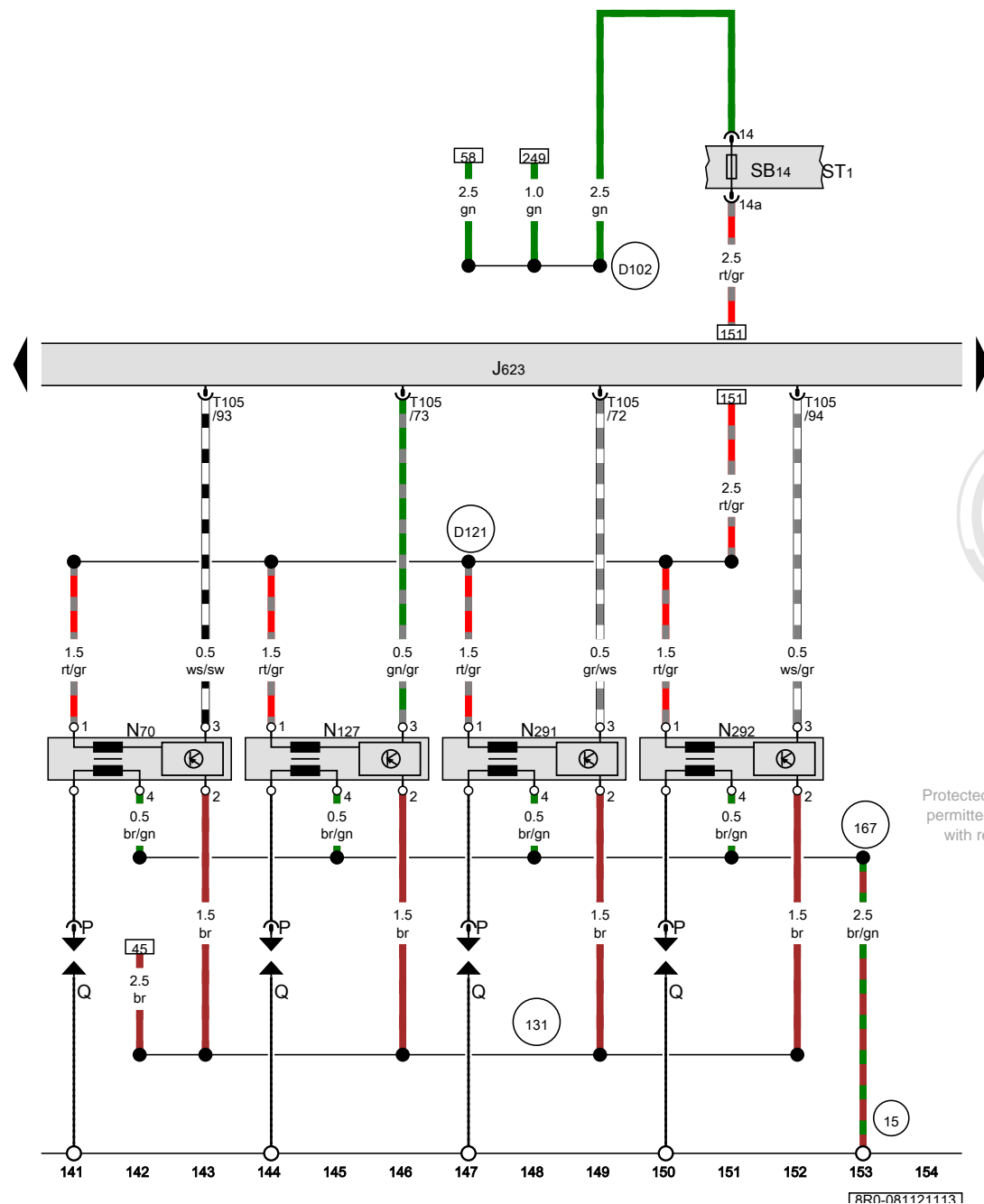
Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

- 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
- ST1 Fuse panel 1
- SB14 Fuse 14 (on fuse panel B)
- T105 105-pin connector

- 15 Ground connection on cylinder head
- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

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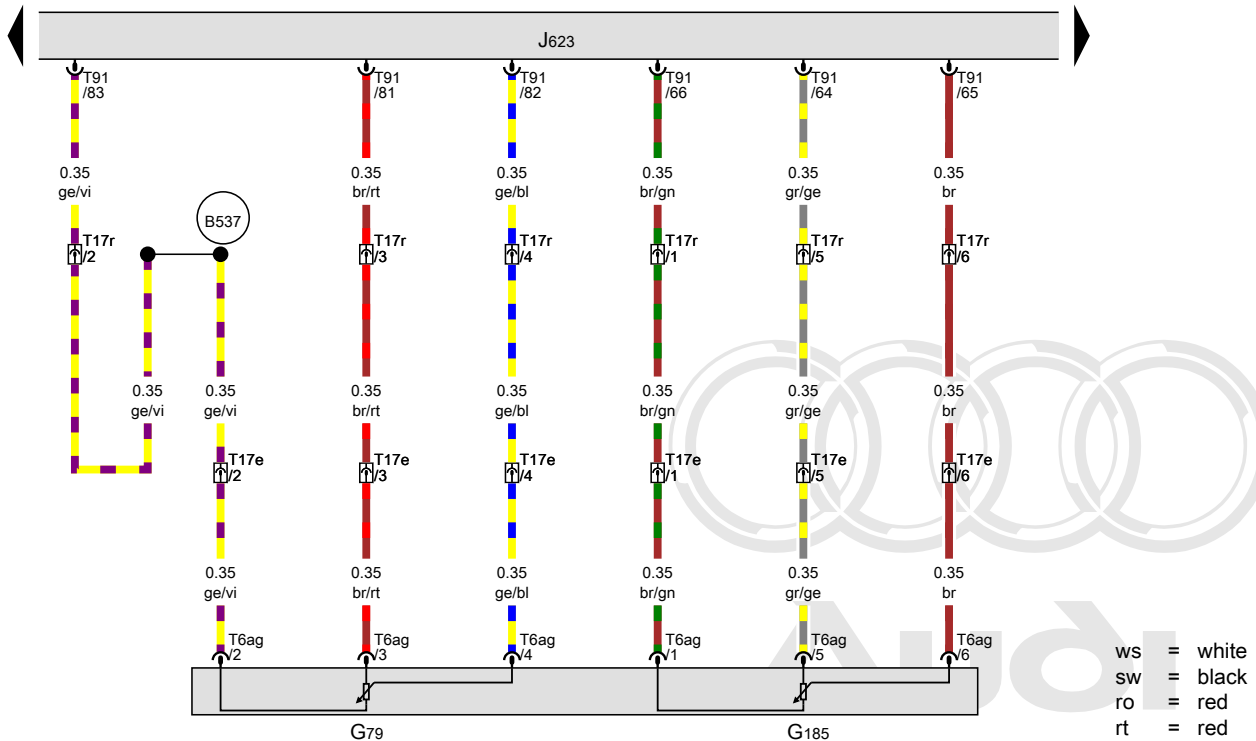


ARRD-0811211131

Accelerator pedal position sensor, Accelerator pedal position sensor 2

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T91 91-pin connector

B537 Connection 28 (in main wiring harness)

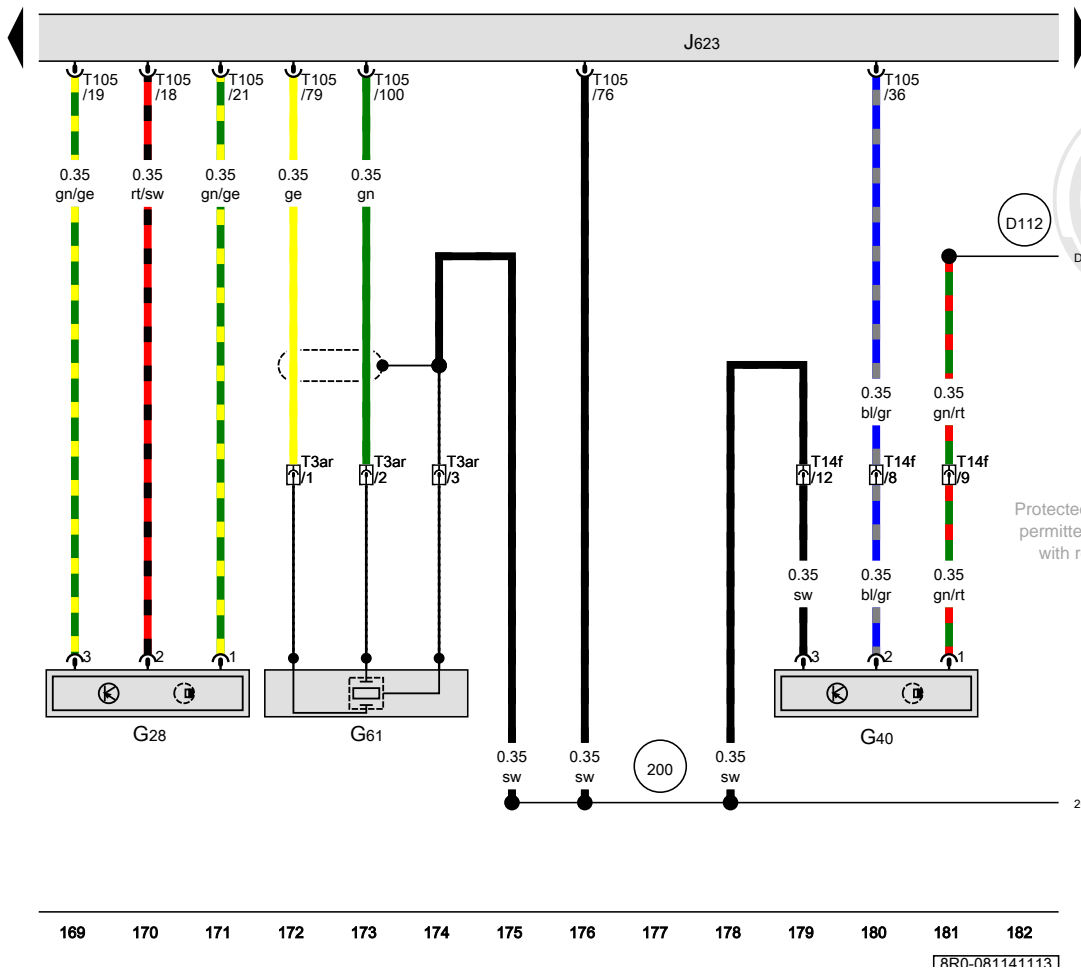


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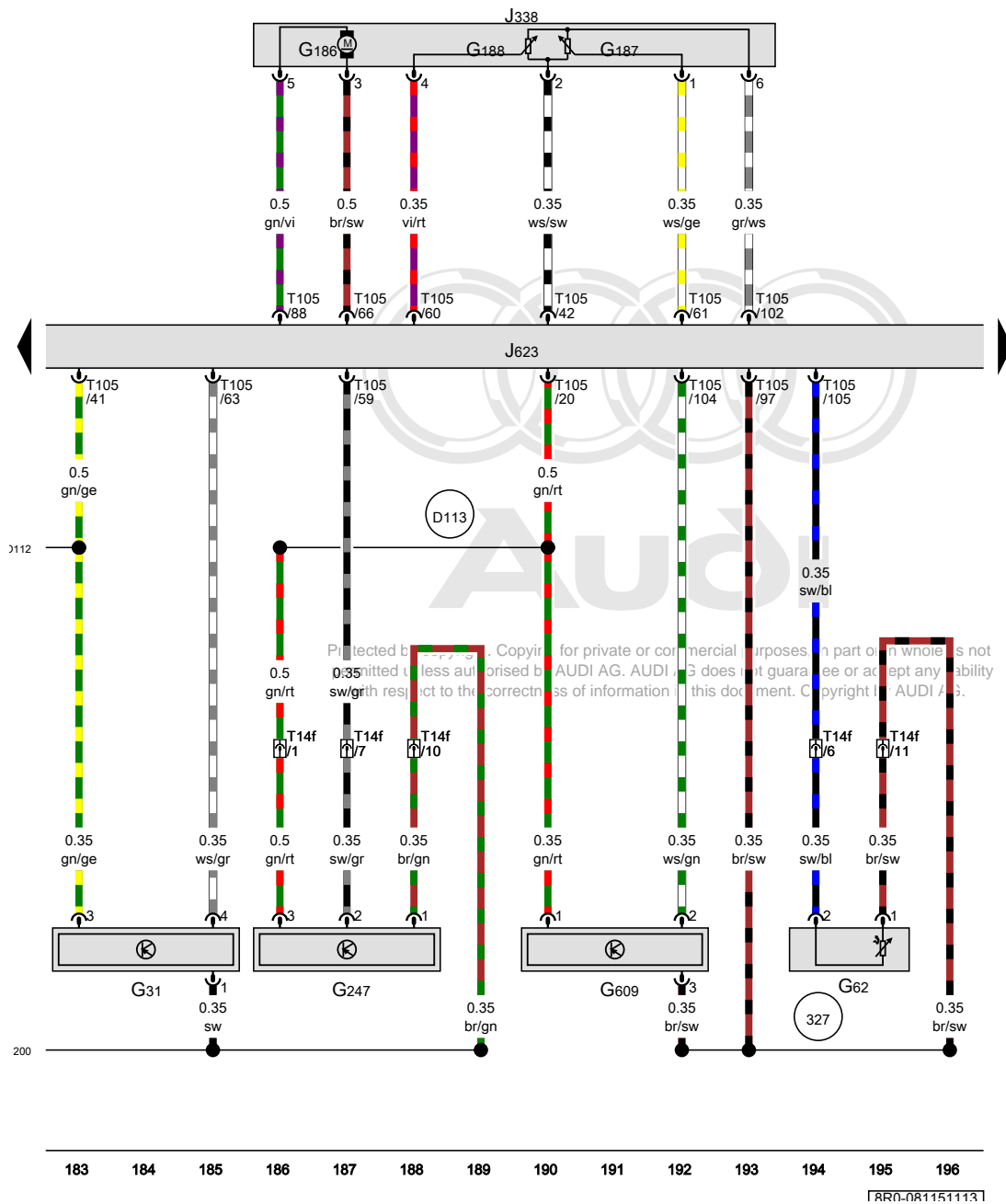
Engine speed sensor, Camshaft position sensor

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- J623 Engine control module
- T3ar 3-pin connector, green
- T14f 14-pin connector, in the engine compartment
- T105 105-pin connector
- (200) Ground connection shielding (in engine compartment wiring harness)
- (D112) Connection 10 (in engine compartment wiring harness)



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# Charge air pressure sensor, Fuel pressure sensor, Throttle valve control module

- G31 Charge air pressure sensor
- G62 Engine coolant temperature sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G247 Fuel pressure sensor
- G609 Secondary air injection sensor 1
- J338 Throttle valve control module
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T105 105-pin connector
- 200 Ground connection shielding (in engine compartment wiring harness)
- 327 Sensor ground connection (in engine compartment wiring harness)
- D112 Connection 10 (in engine compartment wiring harness)
- D113 Connection 11 (in engine compartment wiring harness)



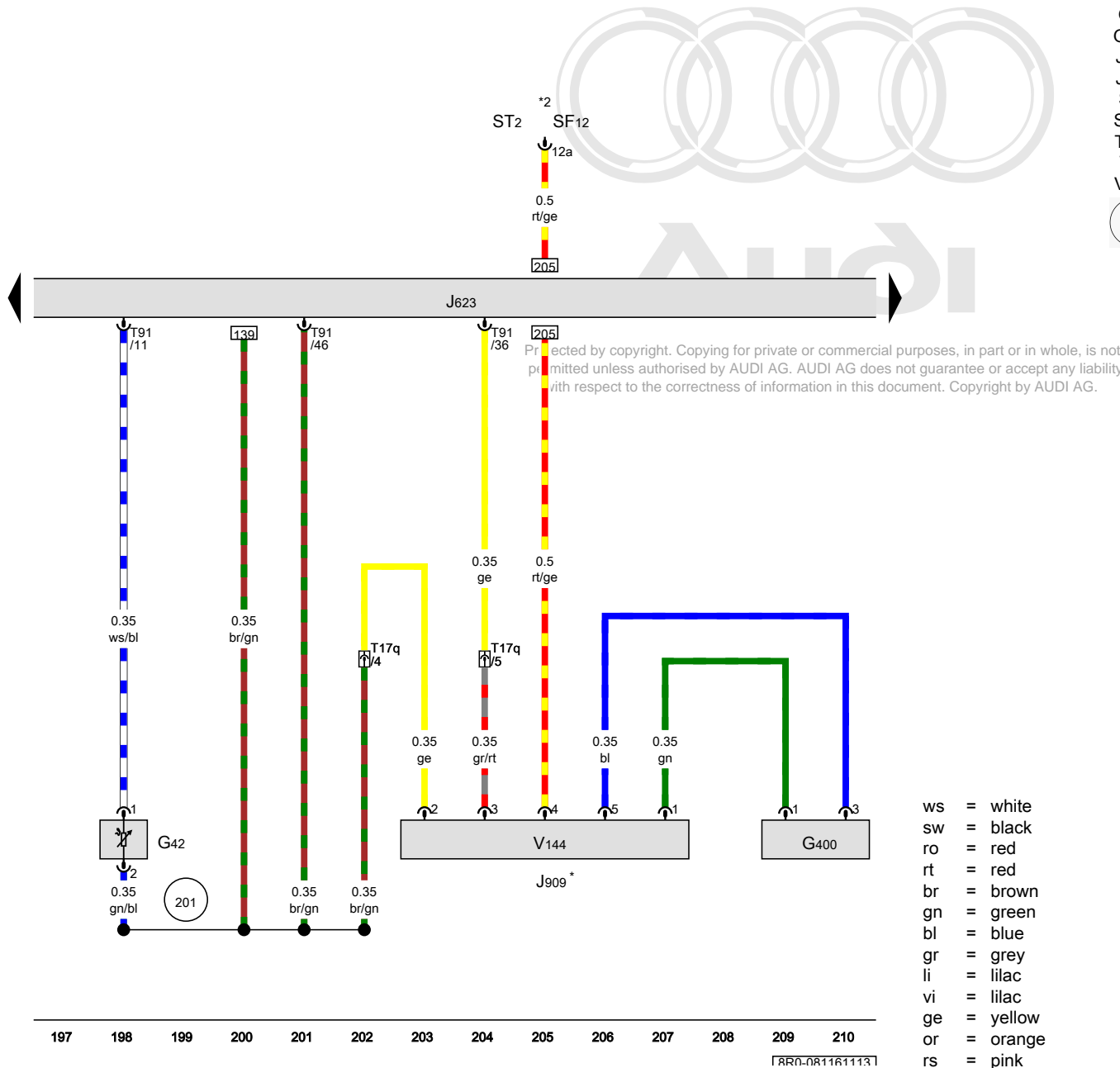
Fuel tank pressure sensor, Fuel tank leak detection control module, Leak detection pump

- G42 Intake air temperature sensor
- G400 Fuel tank pressure sensor
- J623 Engine control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF12 Fuse 12 (on fuse panel F)
- T17q 17-pin connector, red
- T91 91-pin connector
- V144 Leak detection pump

(201) Ground connection 5 (in engine compartment wiring harness)

\* Only for vehicles with US equipment

\*2 Refer to applicable wiring diagram for fuse positions

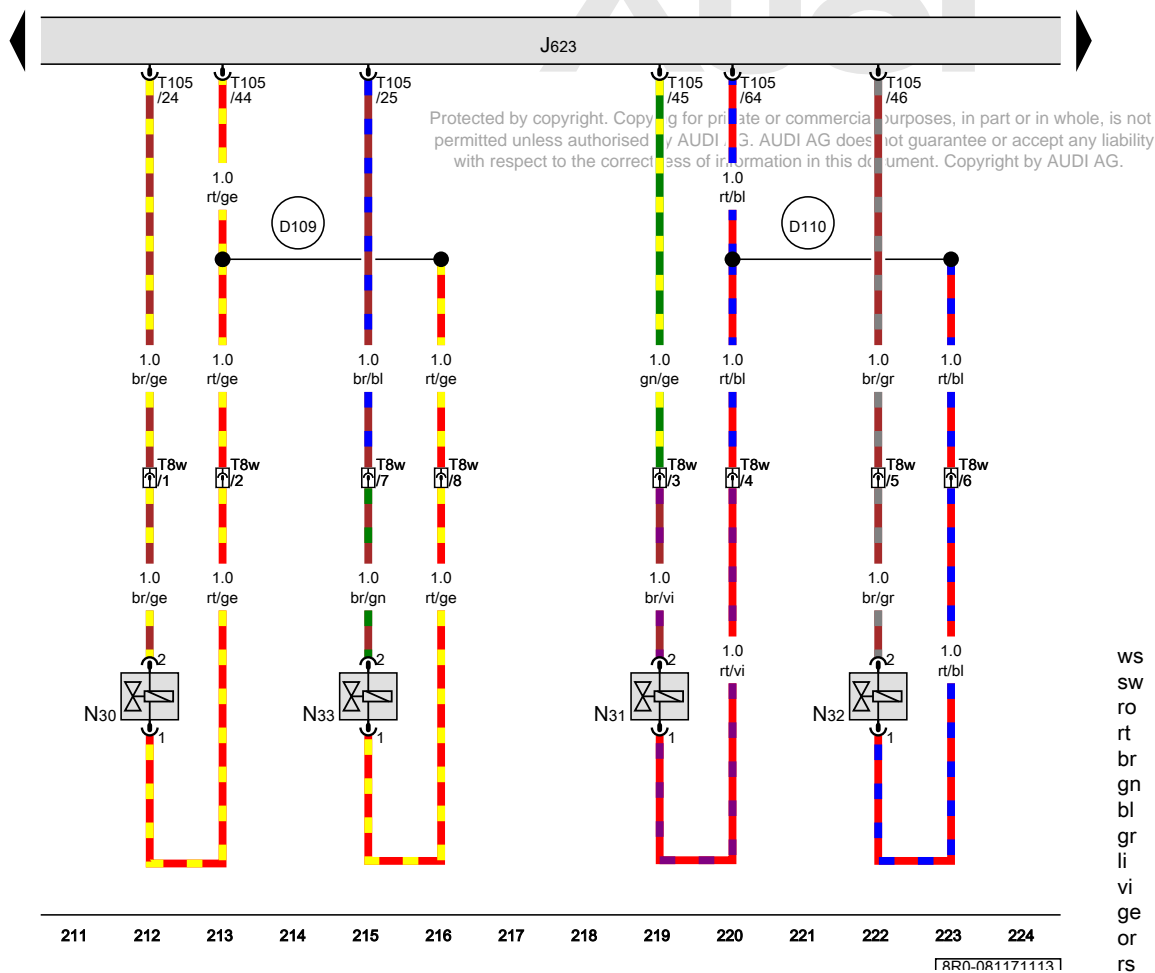


Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- T8w 8-pin connector, in the engine compartment
- T105 105-pin connector

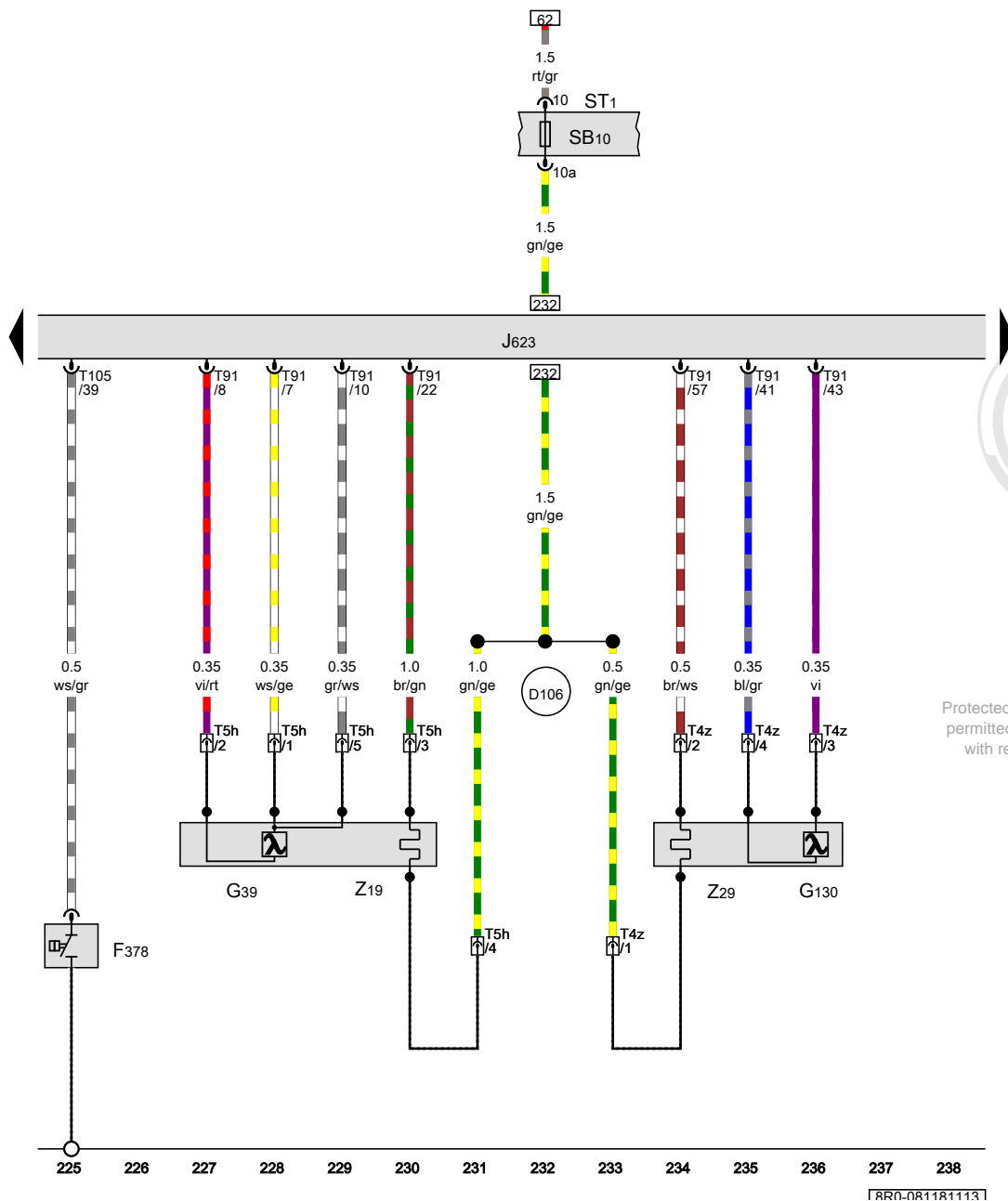
D109 Connection 7 (in engine compartment wiring harness)

D110 Connection 8 (in engine compartment wiring harness)



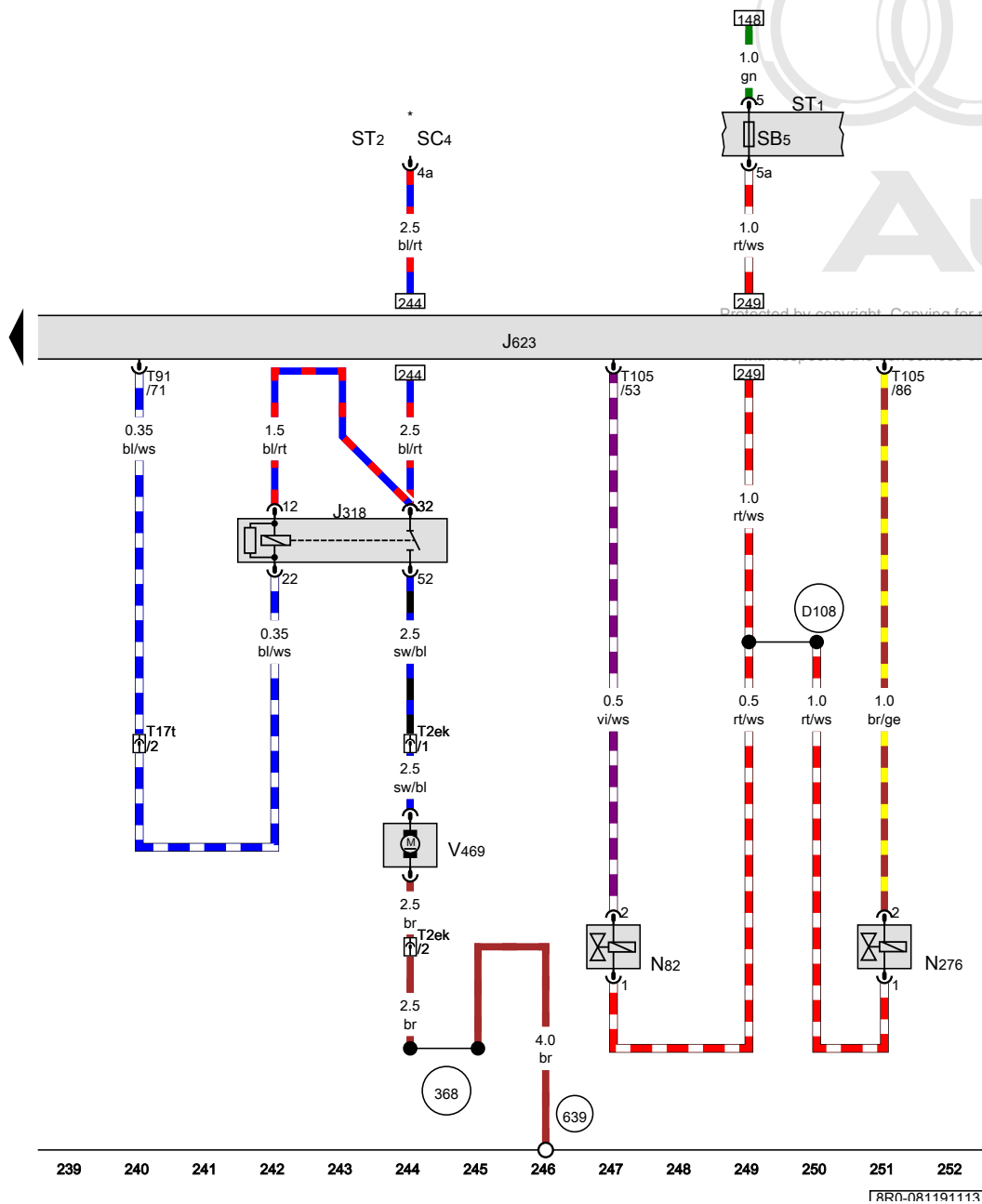
Reduced oil pressure switch, Heated oxygen sensor,  
Oxygen sensor after three way catalytic converter

- F378 Reduced oil pressure switch
- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T4z 4-pin connector, brown
- T5h 5-pin connector, black
- T91 91-pin connector
- T105 105-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D106 Connection 4 (in engine compartment wiring harness)



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Fuel pressure regulator valve, Brake booster vacuum pump



- J318 Vacuum pump relay
- J623 Engine control module
- N82 Coolant shut-off valve
- N276 Fuel pressure regulator valve
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC4 Fuse 4 (on fuse panel C)
- SB5 Fuse 5 (on fuse panel B)
- T2ek Double connector, black
- T17t 17-pin connector, brown
- T91 91-pin connector
- T105 105-pin connector
- V469 Brake booster vacuum pump

- 368 Ground connection 3 (in main wiring harness)
- 639 Ground connection on left A-pillar
- D108 Connection 6 (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for fuse positions

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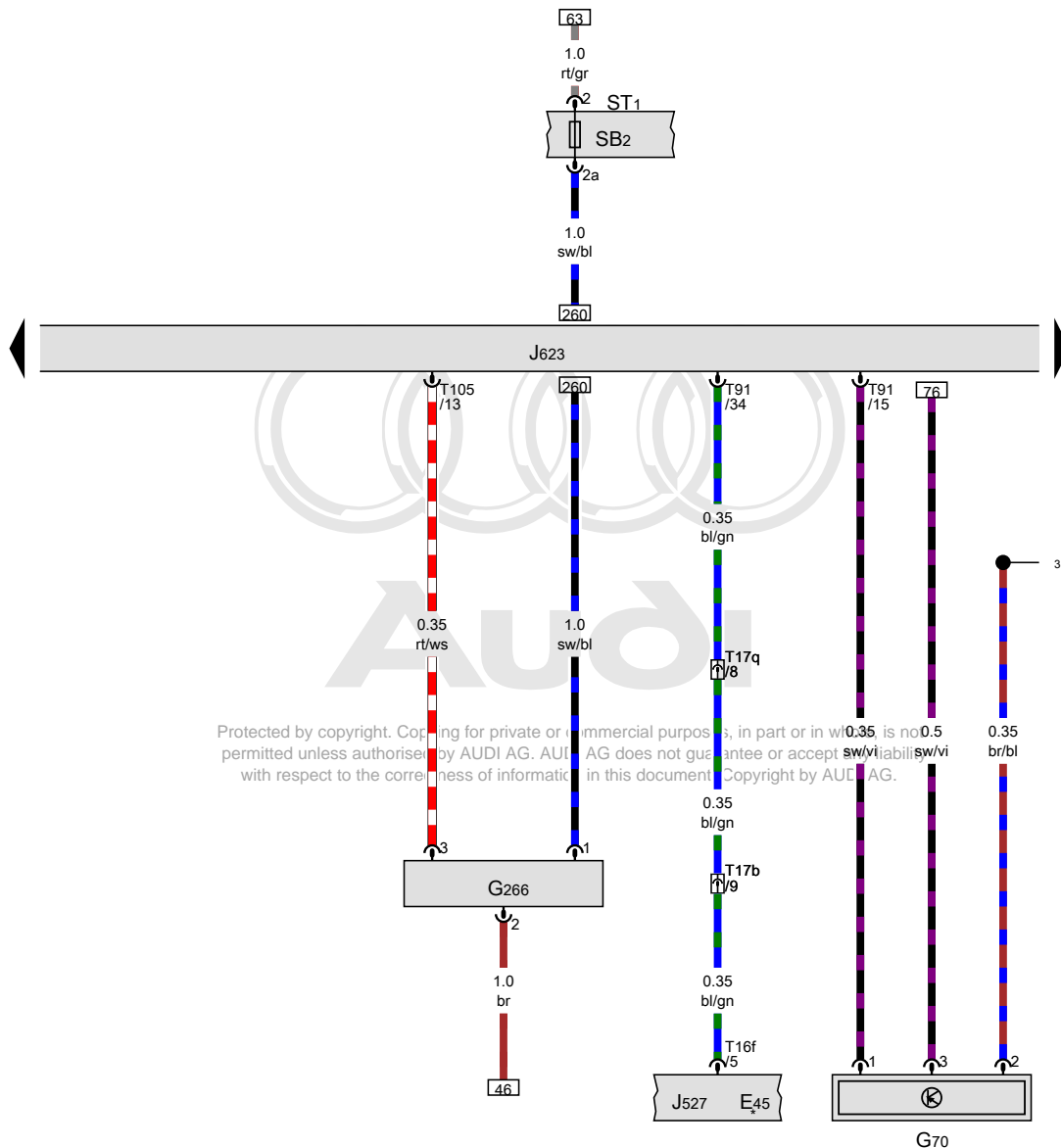
1RR0-0811911131

Mass airflow sensor, Oil level thermal sensor, Steering column electronics control module

- E45 Cruise control switch
- G70 Mass airflow sensor
- G266 Oil level thermal sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T91 91-pin connector
- T105 105-pin connector

317 Ground connection 7 (in engine compartment wiring harness)

\* Only for vehicles with cruise control



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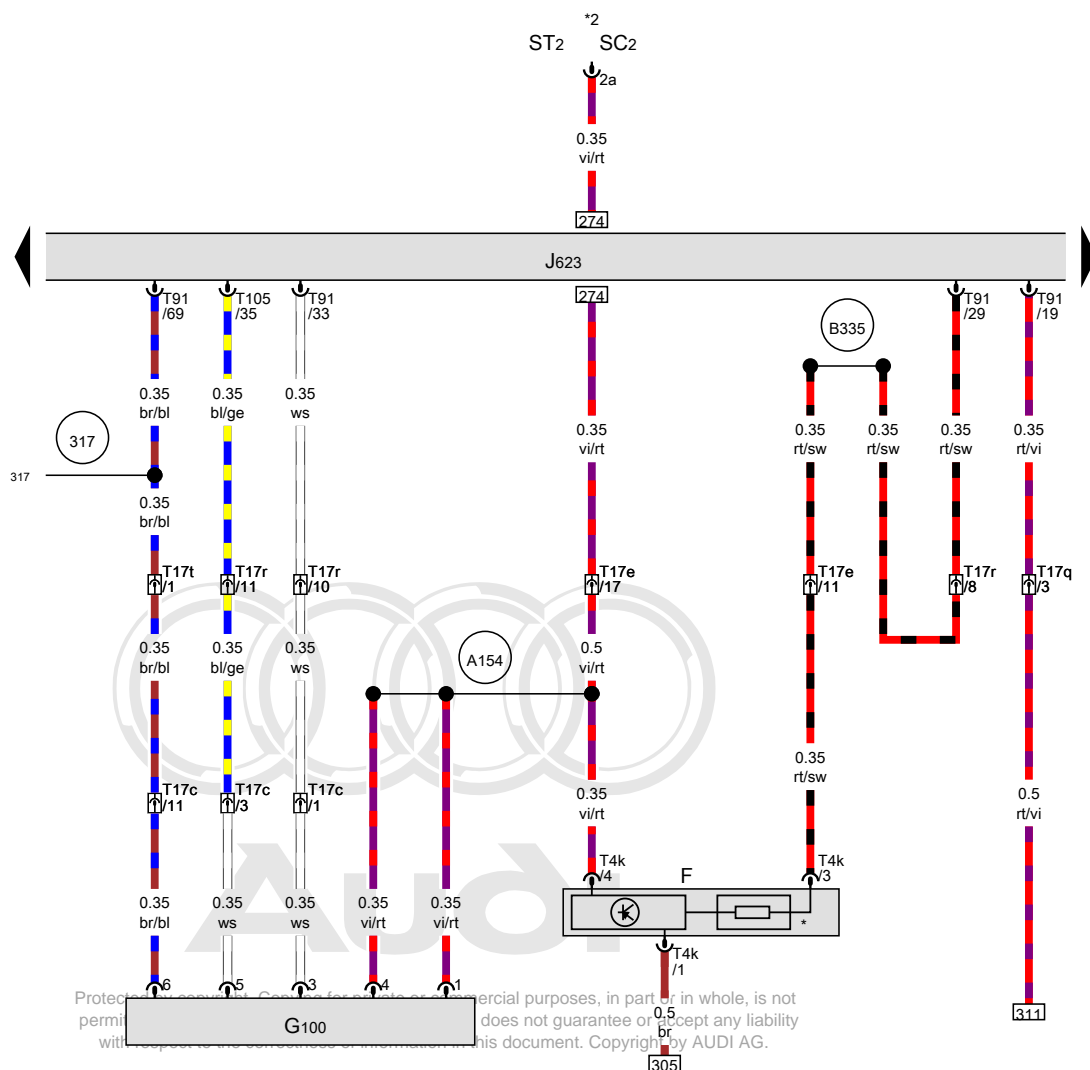
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- rs = pink

# Brake lamp switch, Brake pedal position sensor

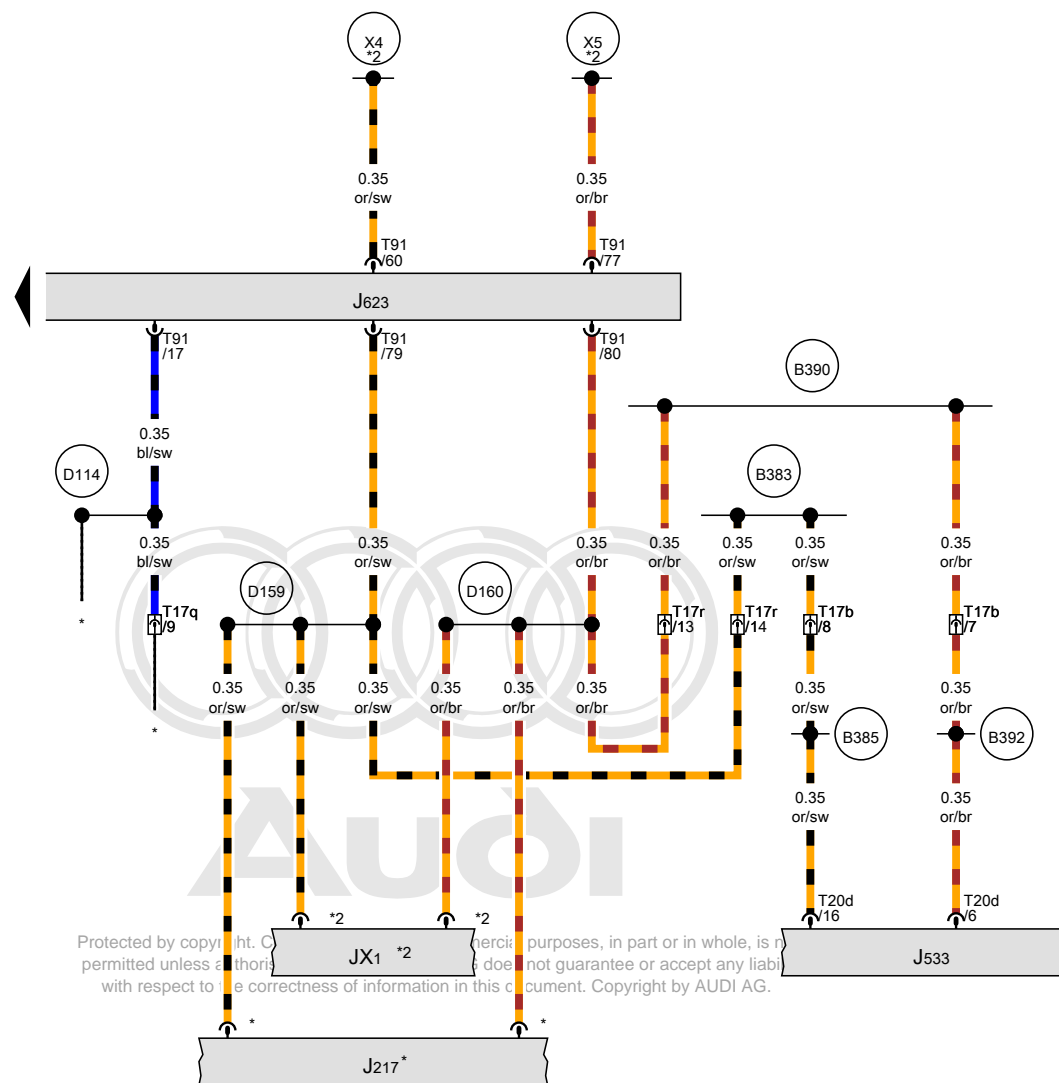
- F Brake lamp switch
- G100 Brake pedal position sensor
- J623 Engine control module
- SC2 Fuse 2 (on fuse panel C)
- ST2 Fuse panel 2
- T4k 4-pin connector
- T17c 17-pin connector, black
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T17t 17-pin connector, brown
- T91 91-pin connector
- T105 105-pin connector

- 317 Ground connection 7 (in engine compartment wiring harness)
- A154 Brake pedal switch connection (in instrument panel wiring harness)
- B335 Connection 54 (in main wiring harness) 1

- \* Brake lamp sensor system coil
- \*2 Refer to applicable wiring diagram for fuse positions



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



### Data bus on board diagnostic interface

- JX1 Electric drive power and control electronics
- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- T1 Single connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20d 20-pin connector
- T91 91-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)
- X4 CAN bus Hybrid high connection 1 (in engine compartment wiring harness)
- X5 CAN bus Hybrid low connection 1 (in engine compartment wiring harness)

- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Refer to applicable high voltage system wiring diagram

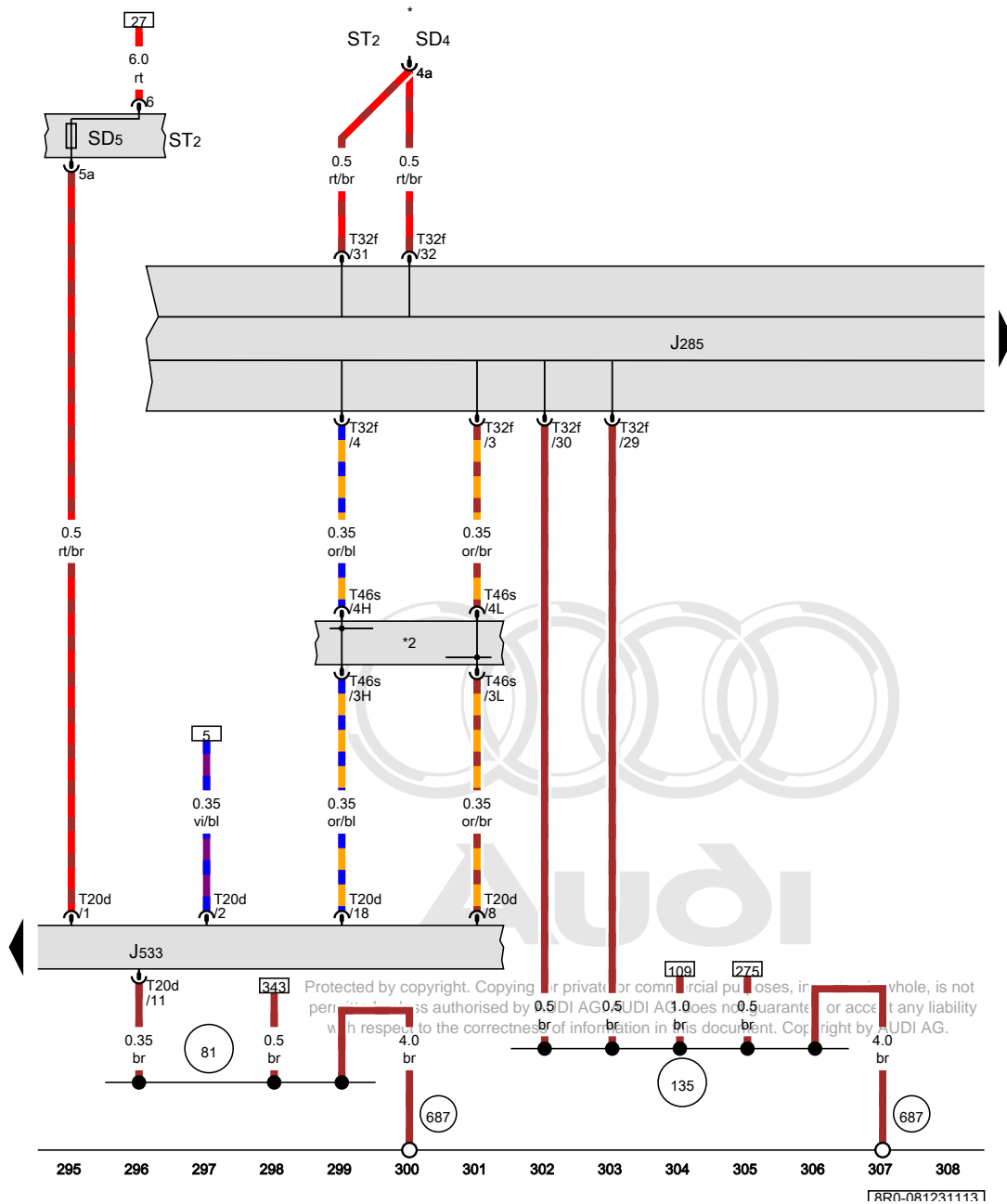
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 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
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 or = orange  
 rs = pink

Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug



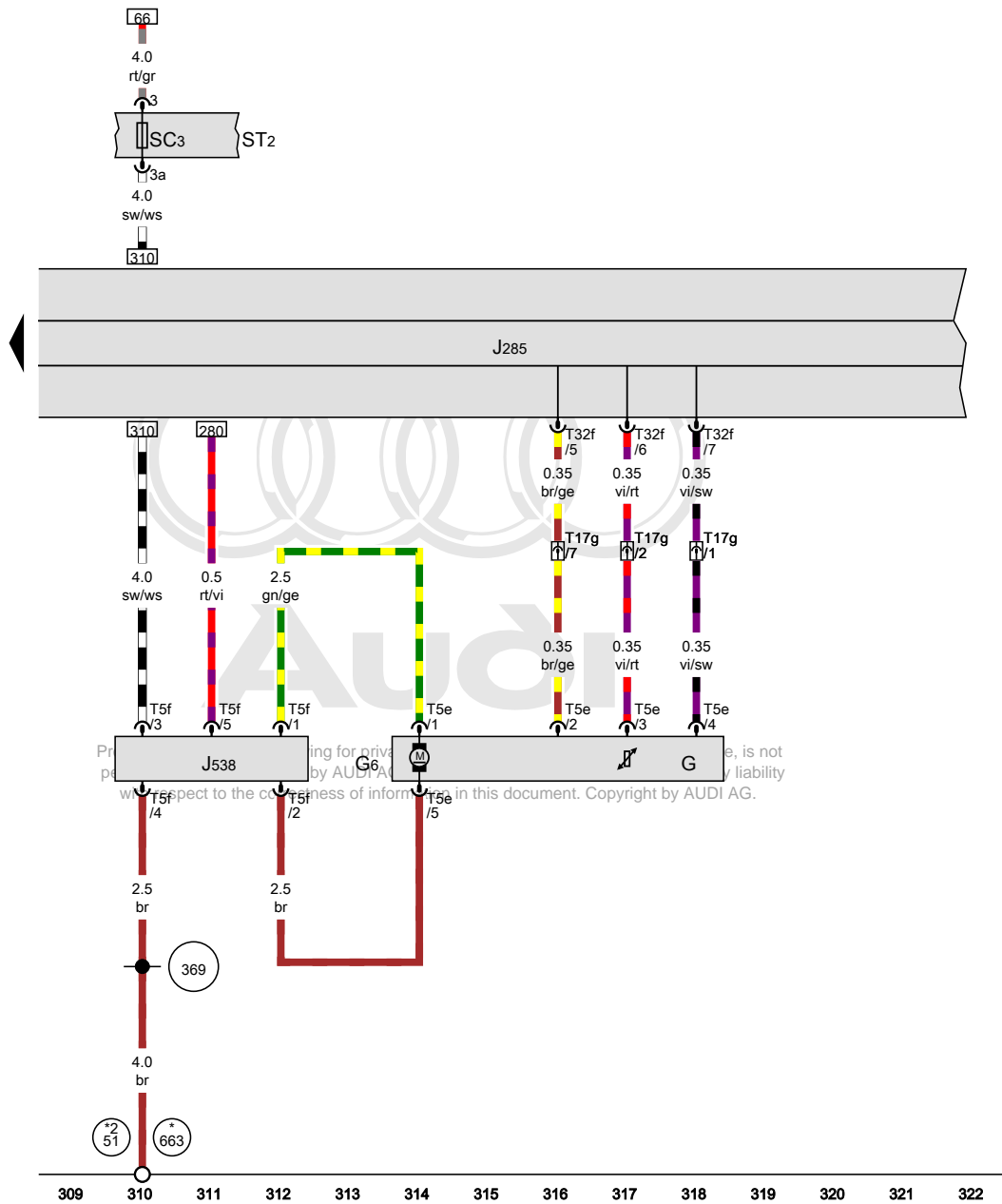


Fuel level sensor, Transfer fuel pump, Instrument cluster control module, Fuel pump control module

- G Fuel level sensor
- G6 Transfer fuel pump
- J285 Instrument cluster control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T5e 5-pin connector
- T5f 5-pin connector
- T17g 17-pin connector, black
- T32f 32-pin connector

- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)
- 663 Ground connection in right rear side panel
- \* Running change
- \*2 Omitted as a running change

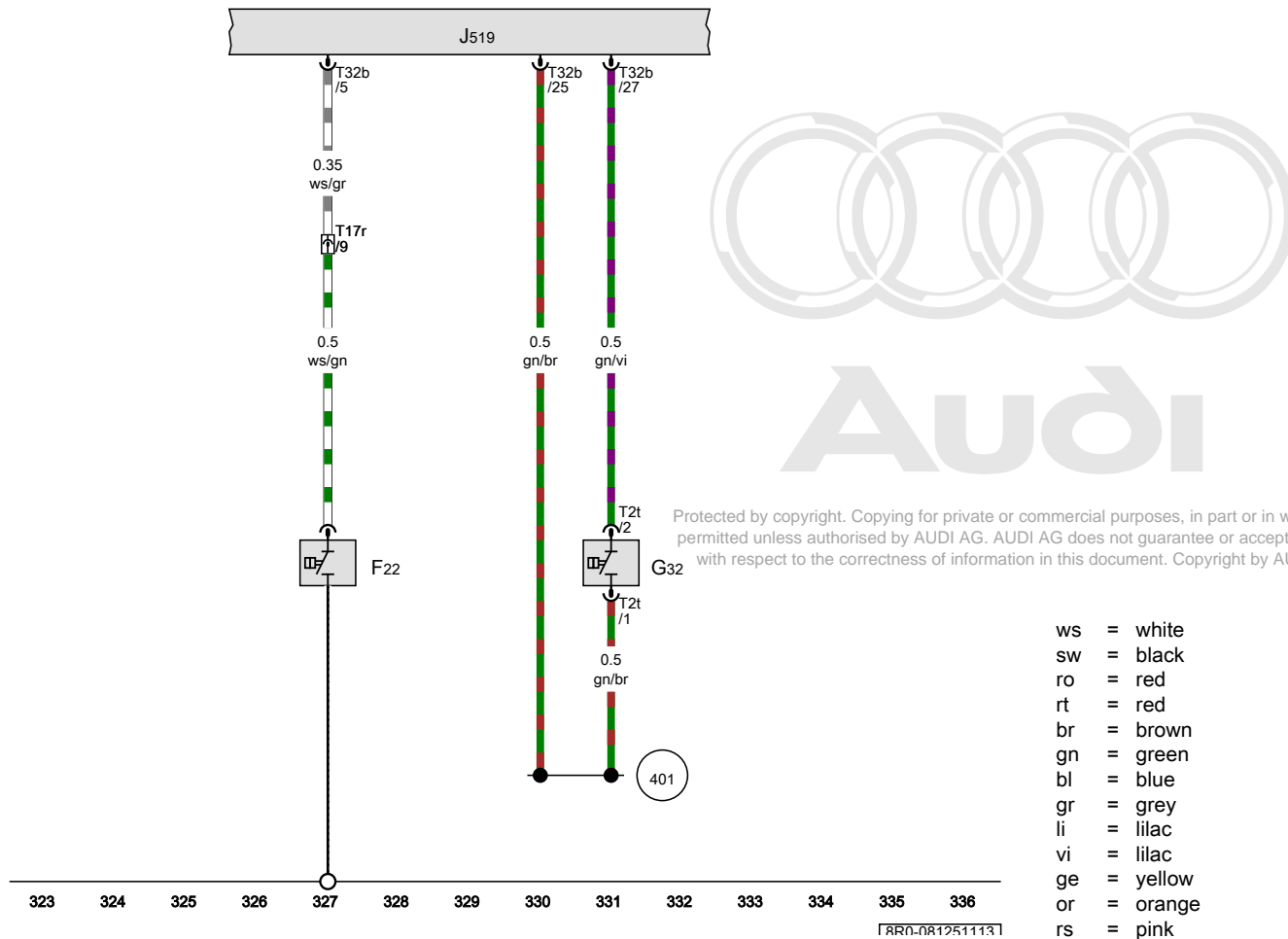
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



[ARR-081241113]

Oil pressure switch, Engine coolant level sensor, Vehicle electrical system control module

- F22 Oil pressure switch
- G32 Engine coolant level sensor
- J519 Vehicle electrical system control module
- T2t Double connector
- T17r 17-pin connector, white
- T32b 32-pin connector
- 401 Sensor ground connection (in interior wiring harness)

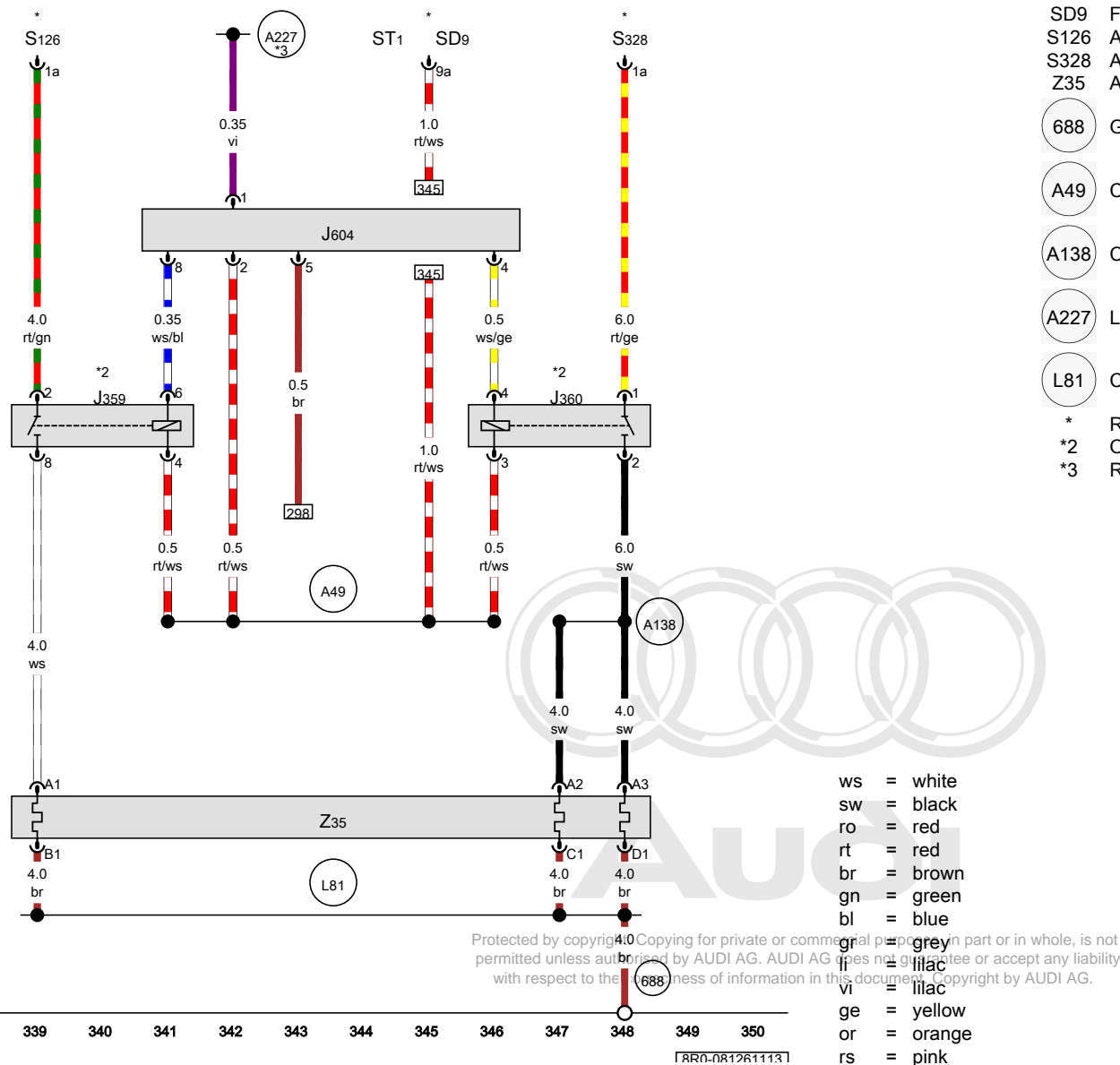


Low heat output relay, High heat output relay, Auxiliary air heater control module, Auxiliary heater heating element

- J359 Low heat output relay
- J360 High heat output relay
- J604 Auxiliary air heater control module
- ST1 Fuse panel 1
- SD9 Fuse 9 (on fuse panel D)
- S126 Auxiliary heater fuse
- S328 Auxiliary heater fuse 2
- Z35 Auxiliary heater heating element

- 688 Ground connection 2 on center tunnel
- A49 Connection 1 (in instrument panel wiring harness)
- A138 Connection 2 (in instrument panel wiring harness)
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- L81 Connection (in auxiliary heater wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with auxiliary heater
- \*3 Refer to applicable A/C system wiring diagram

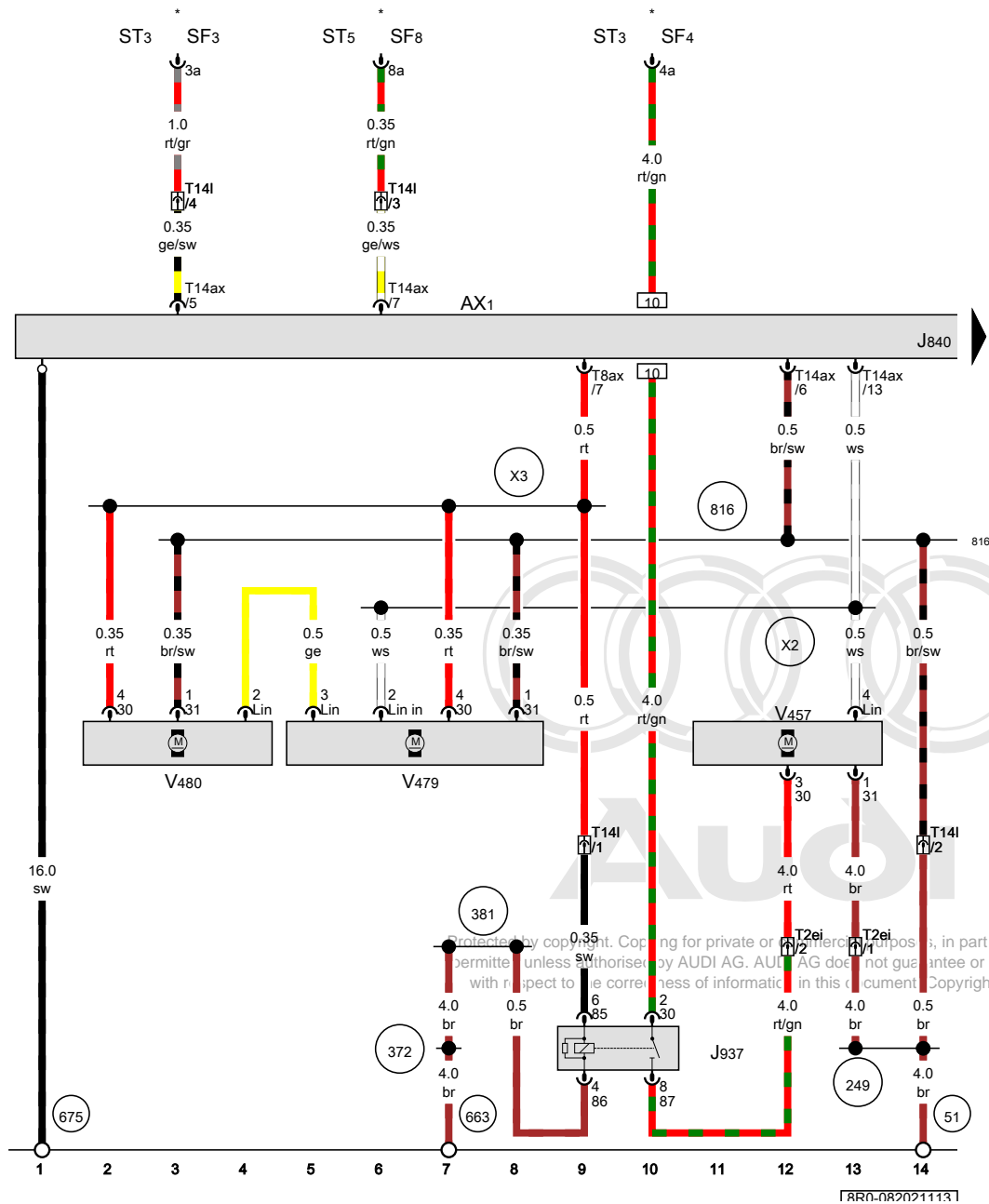


**High voltage system**  
from December 2010



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Hybrid battery unit, Hybrid battery recirculation door positioning motor 1



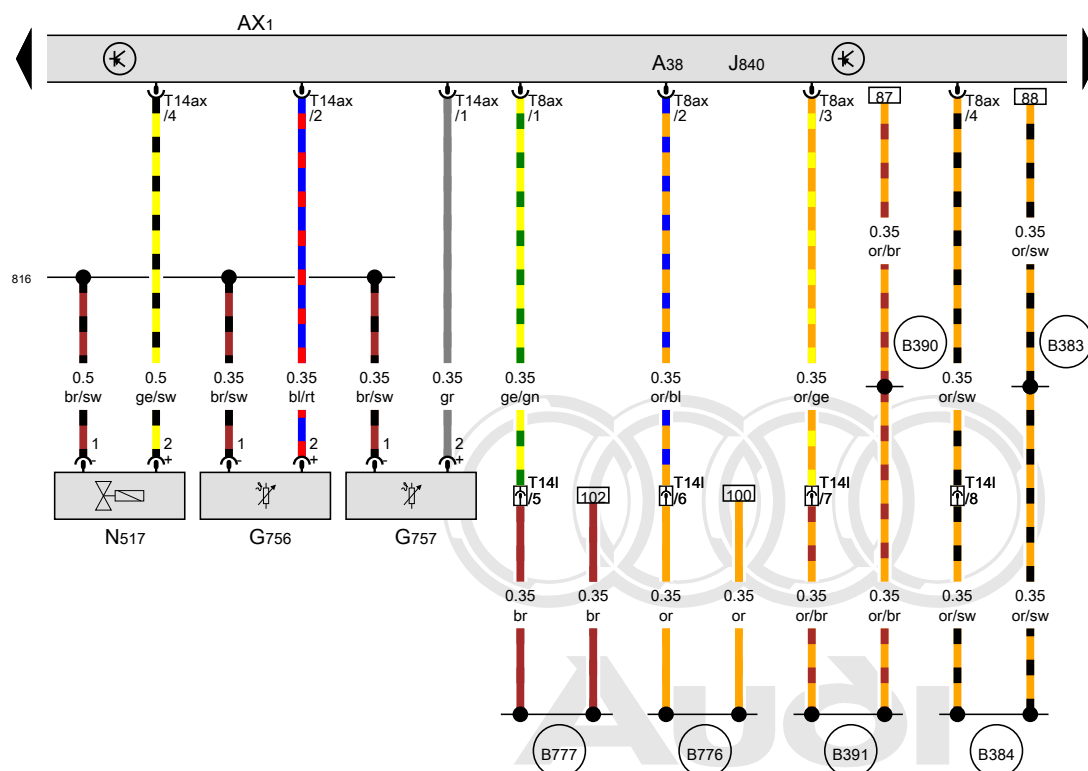
- AX1 Hybrid battery unit
- J840 Battery regulation control module
- J937 Fan activation relay
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- SF8 Fuse 8 (on fuse panel F)
- T2ei Double connector
- T8ax 8-pin connector
- T14ax 14-pin connector
- T14l 14-pin connector
- V457 Battery fan 1
- V479 Hybrid battery recirculation door positioning motor 1
- V480 Hybrid battery recirculation door positioning motor 2

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 663 Ground connection in right rear side panel
- 675 Ground connection 2 in luggage compartment on the right side
- 816 Ground connection 1 in Hybrid System wiring harness
- X2 LIN bus connection 1 (in hybrid system wiring harness)
- X3 Connection 1 in Hybrid System wiring harness
- \* Refer to applicable wiring diagram for fuse positions

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

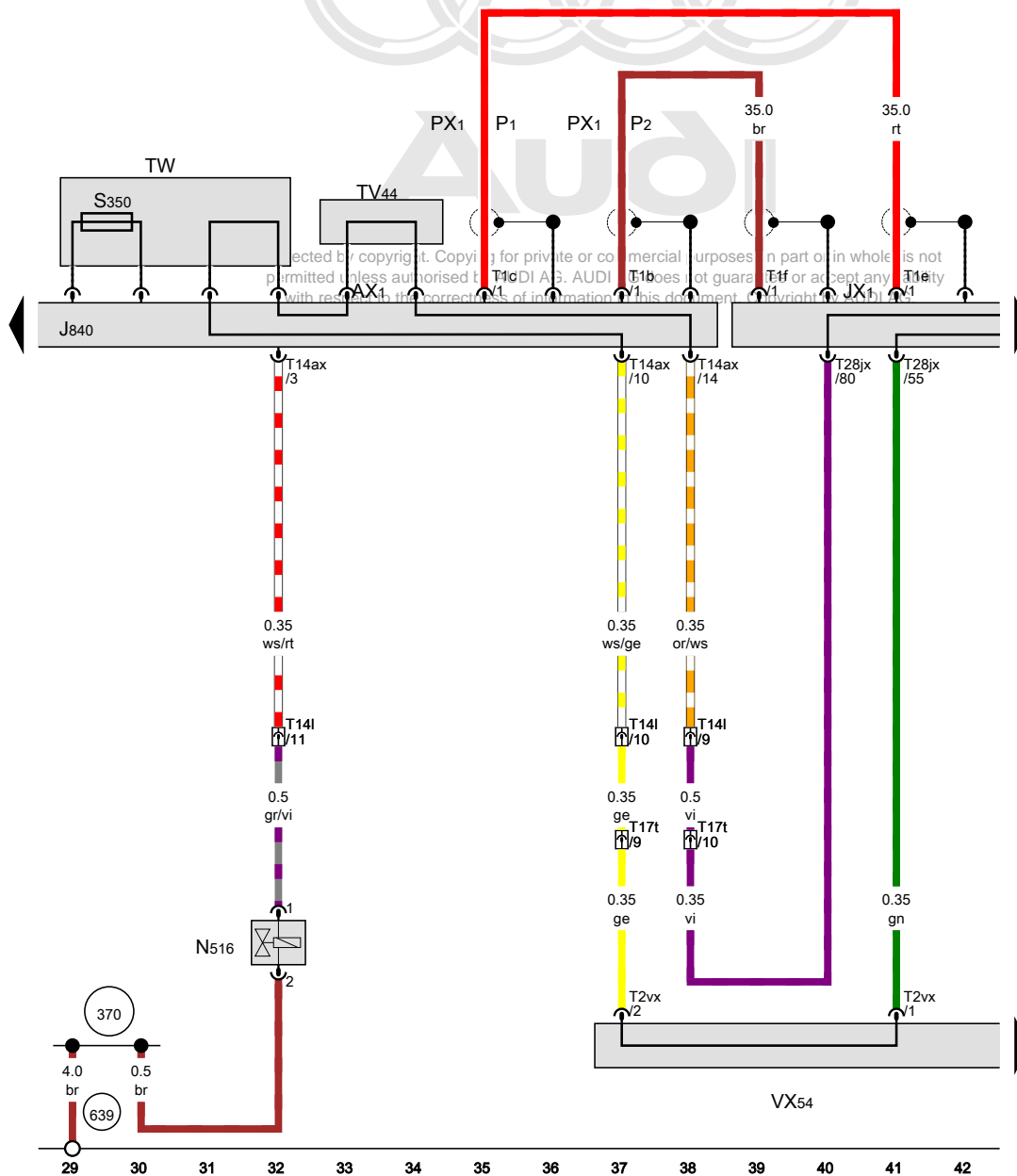
Hybrid battery unit, Hybrid battery, Temperature sensor before hybrid battery evaporator, Temperature sensor after hybrid battery evaporator, Hybrid battery refrigerant shut-off valve 2

- AX1 Hybrid battery unit
- A38 Hybrid battery
- G756 Temperature sensor before hybrid battery evaporator
- G757 Temperature sensor after hybrid battery evaporator
- J840 Battery regulation control module
- N517 Hybrid battery refrigerant shut-off valve 2
- T8ax 8-pin connector
- T14ax 14-pin connector
- T14l 14-pin connector



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- bl = blue
- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
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Hybrid battery unit, Electric drive power and control electronics, High voltage wiring harness for high voltage battery, High voltage system maintenance connector, Three-phase current drive

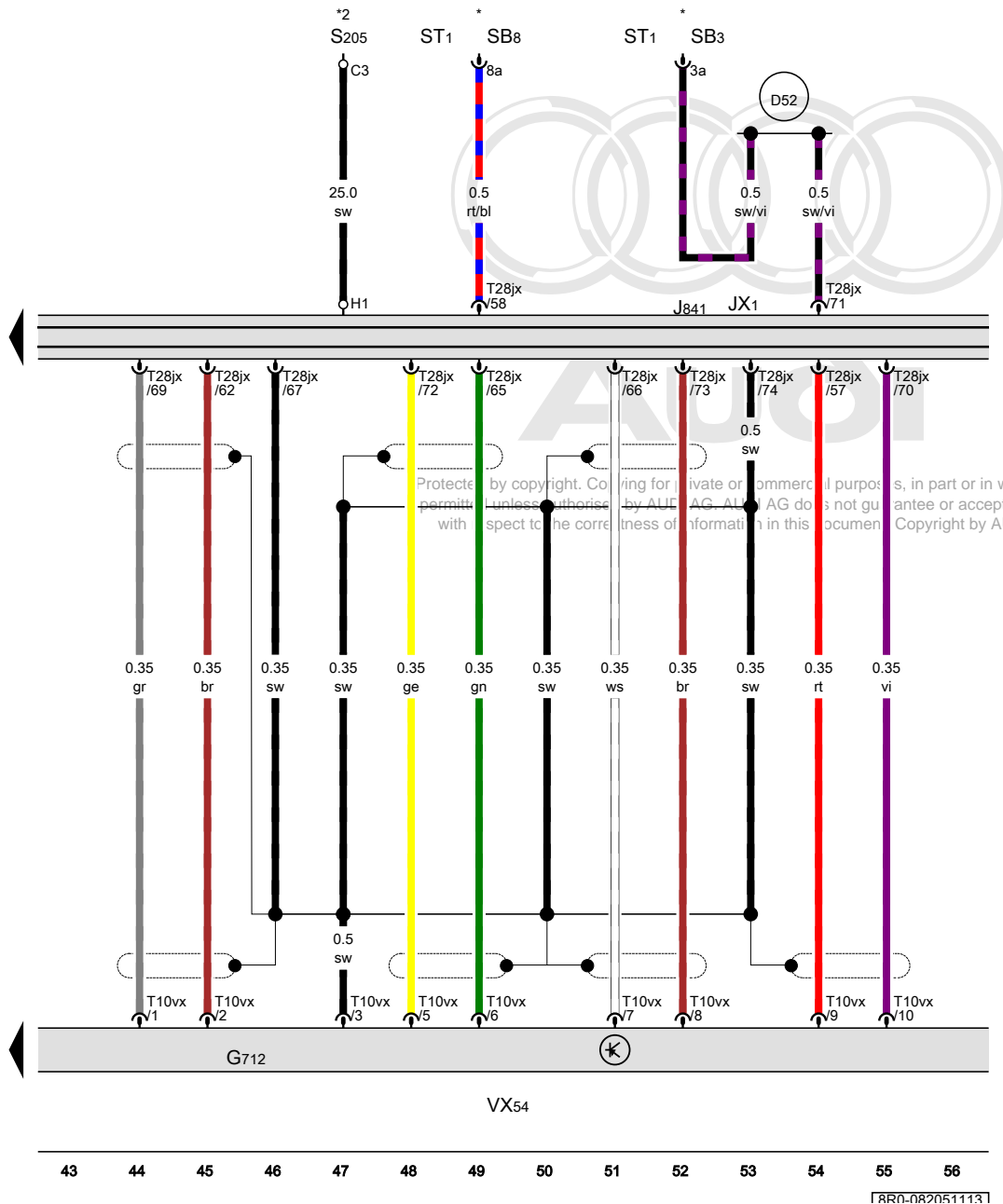
- AX1 Hybrid battery unit
- JX1 Electric drive power and control electronics
- J840 Battery regulation control module
- N516 Hybrid battery refrigerant shut-off valve 1
- PX1 High voltage wiring harness for high voltage battery
- P1 Hybrid battery high voltage cable, positive terminal
- P2 Hybrid battery high voltage cable, negative terminal
- S350 High voltage system fuse 1
- T1b Single connector
- T1c Single connector
- T1e Single connector
- T1f Single connector
- T2vx Double connector
- T14ax 14-pin connector
- T14l 14-pin connector
- T17t 17-pin connector, brown
- T28jx 28-pin connector
- TV44 Pilot line connector 1
- TW High voltage system maintenance connector
- VX54 Three-phase current drive

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
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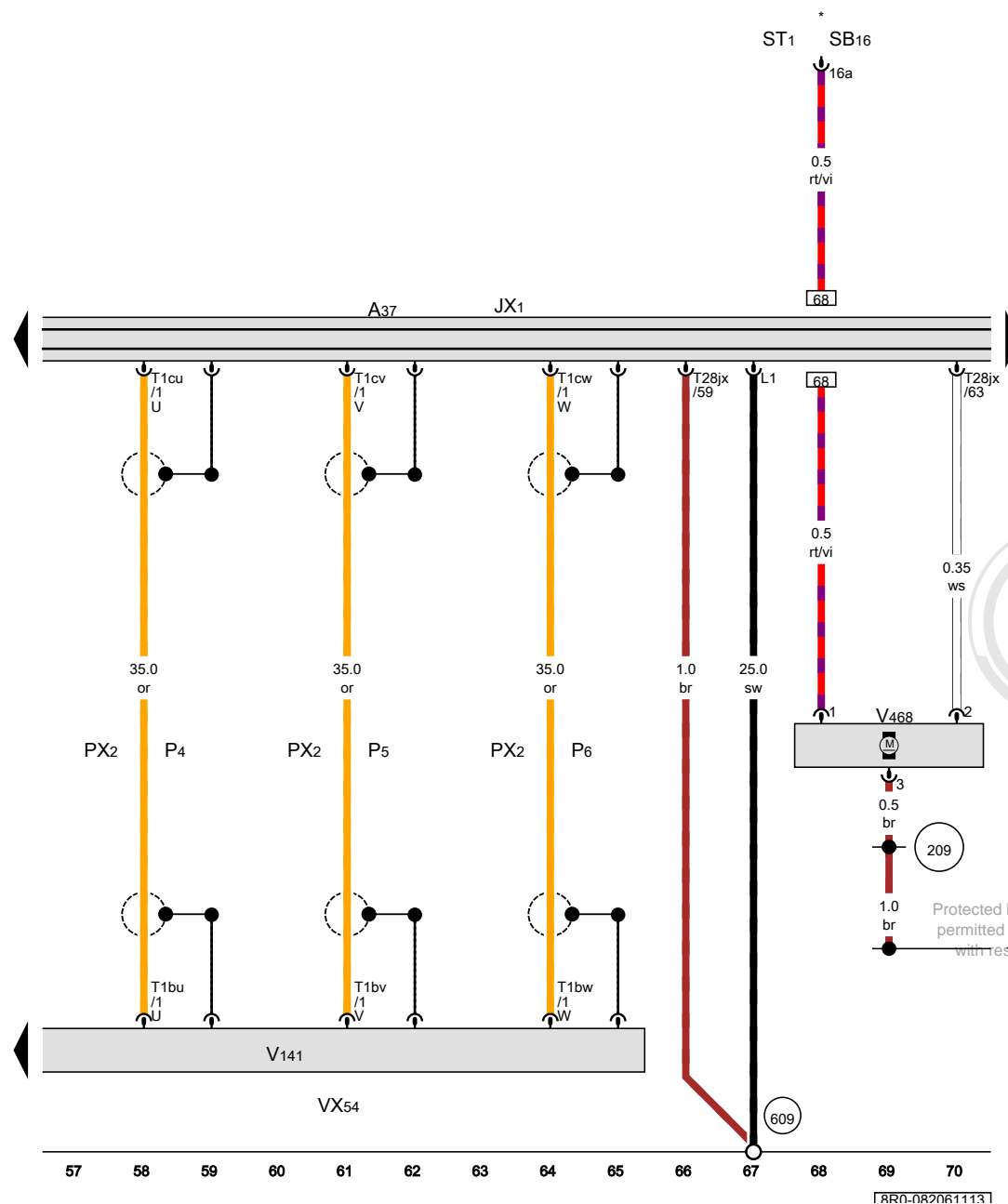
Drive motor temperature sensor, Electric drive power and control electronics, Three-phase current drive



- G712 Drive motor temperature sensor
- JX1 Electric drive power and control electronics
- J841 Electrical drive control module
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T10vx 10-pin connector
- T28jx 28-pin connector
- VX54 Three-phase current drive
- D52 Positive connection (15a) (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions



Drive motor inverter, Electric drive power and control electronics, Drive motor high voltage wiring harness, Three-phase current drive, Electro-drive drive motor

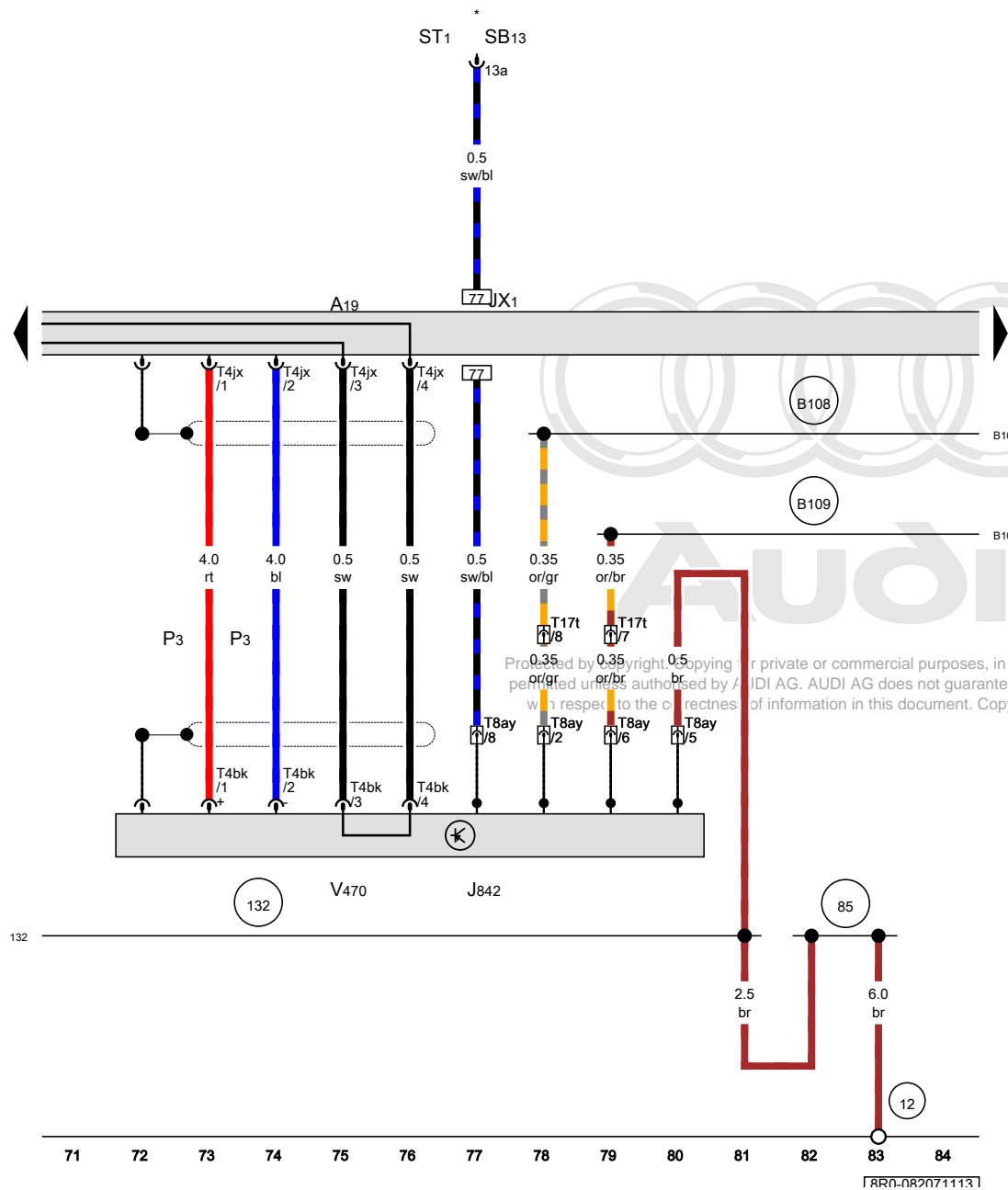


- A37 Drive motor inverter
- JX1 Electric drive power and control electronics
- PX2 Drive motor high voltage wiring harness
- P4 Drive motor high voltage cable 1
- P5 Drive motor high voltage cable 2
- P6 Drive motor high voltage cable 3
- ST1 Fuse panel 1
- SB16 Fuse 16 (on fuse panel B)
- T1bu Single connector
- T1bv Single connector
- T1bw Single connector
- T1cu Single connector
- T1cv Single connector
- T1cw Single connector
- T28jx 28-pin connector
- VX54 Three-phase current drive
- V141 Electro-drive drive motor
- V468 Low temperature circuit coolant pump
- 132 Ground connection 3 (in engine compartment wiring harness)
- 209 Ground connection 6 (in engine compartment wiring harness)
- 609 Ground connection in plenum chamber, right
- \* Refer to applicable engine wiring diagram

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

18R0-082061113



Voltage converter, Electric drive power and control electronics, A/C compressor control module, Electrical A/C compressor high voltage cable, Electrical A/C compressor

- A19 Voltage converter
- JX1 Electric drive power and control electronics
- J842 A/C compressor control module
- P3 Electrical A/C compressor high voltage cable
- ST1 Fuse panel 1
- SB13 Fuse 13 (on fuse panel B)
- T4bk 4-pin connector
- T4jx 4-pin connector
- T8ay 8-pin connector
- T17t 17-pin connector, brown
- V470 Electrical A/C compressor

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)

\* Refer to applicable engine wiring diagram





# Electrical drive button

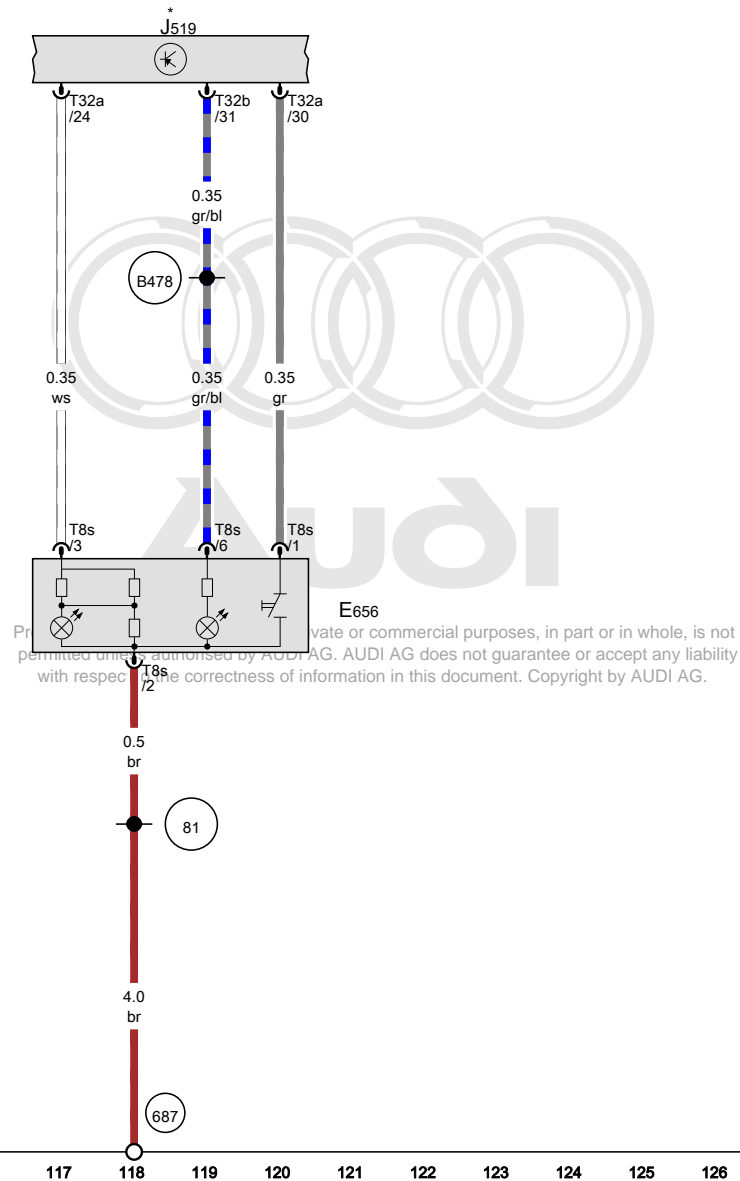
E656 Electrical drive button  
J519 Vehicle electrical system control module  
T8s 8-pin connector  
T32a 32-pin connector  
T32b 32-pin connector

81 Ground connection 1 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

B478 Connection 14 (in main wiring harness)

\* Refer to applicable standard equipment wiring diagram



**Fuse assignment for vehicles with a high voltage system**

from May 2011

**Audi**

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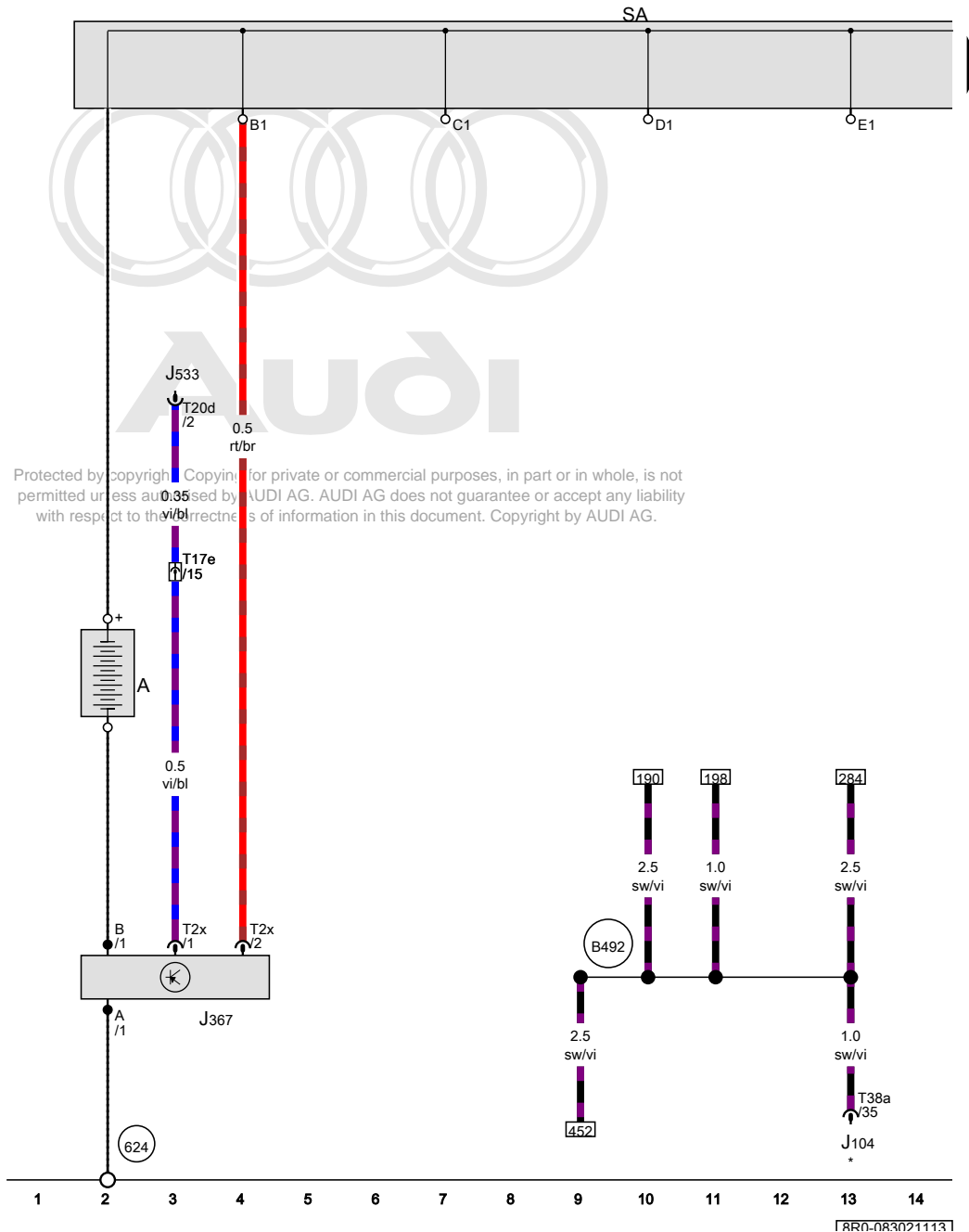
# Battery, Battery monitoring control module

- A Battery
- J104 ABS control module
- J367 Battery monitoring control module
- J533 Data bus on board diagnostic interface
- SA Fuse panel A
- T2x Double connector
- T17e 17-pin connector, in the left A-pillar connector station
- T20d 20-pin connector
- T38a 38-pin connector

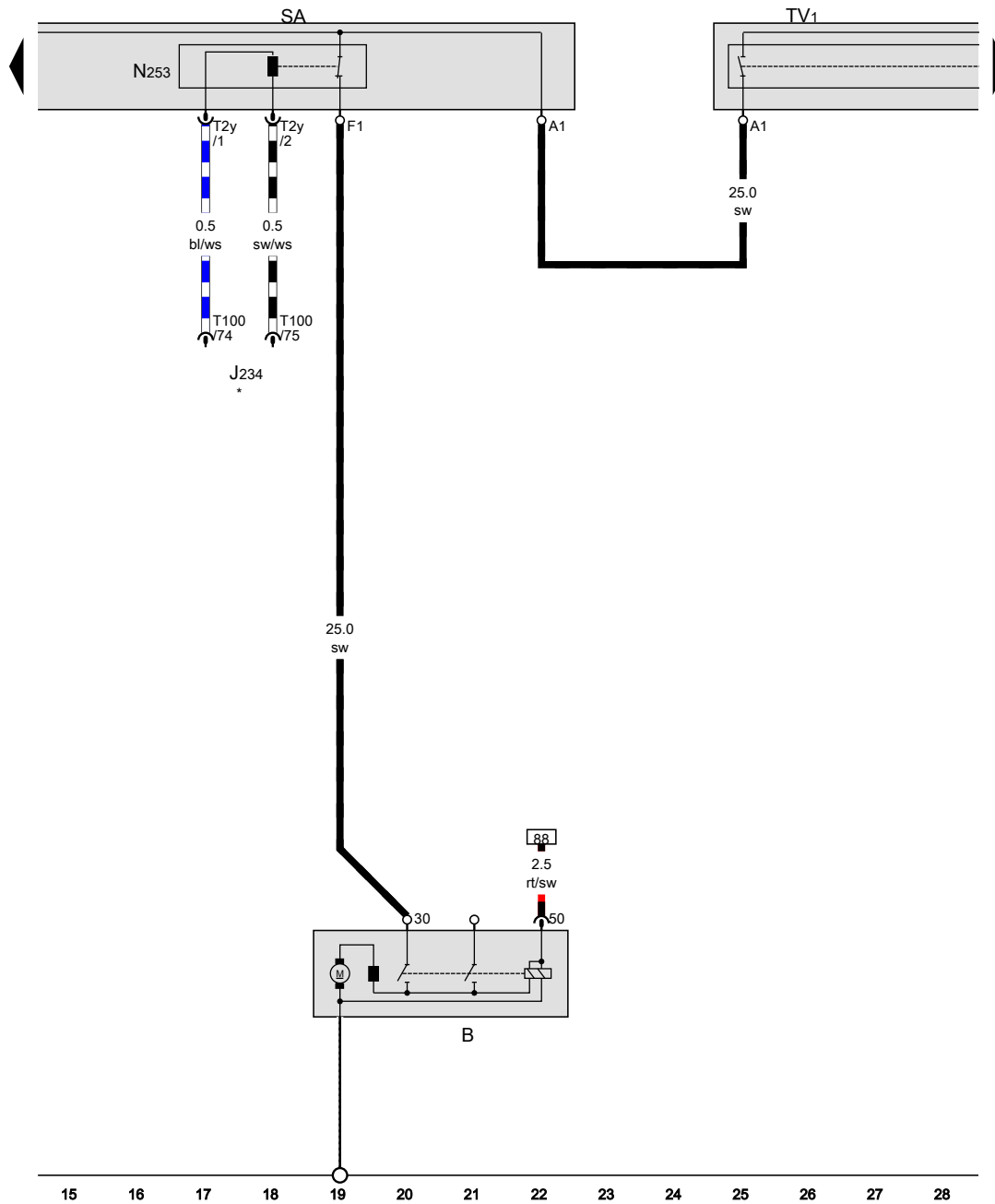
624 Ground connection near starter battery

B492 Positive connection 3 (15) (in interior wiring harness)

\* Refer to applicable wiring diagram for ABS



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

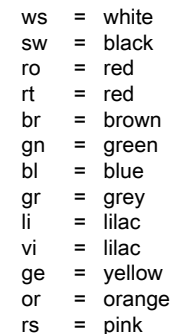


### Starter, Battery interrupt igniter, Wire junction

- B Starter
- J234 Airbag control module
- N253 Battery interrupt igniter
- SA Fuse panel A
- T2y Double connector
- TV1 Wire junction
- T100 100-pin connector
- \* Refer to applicable airbag wiring diagram

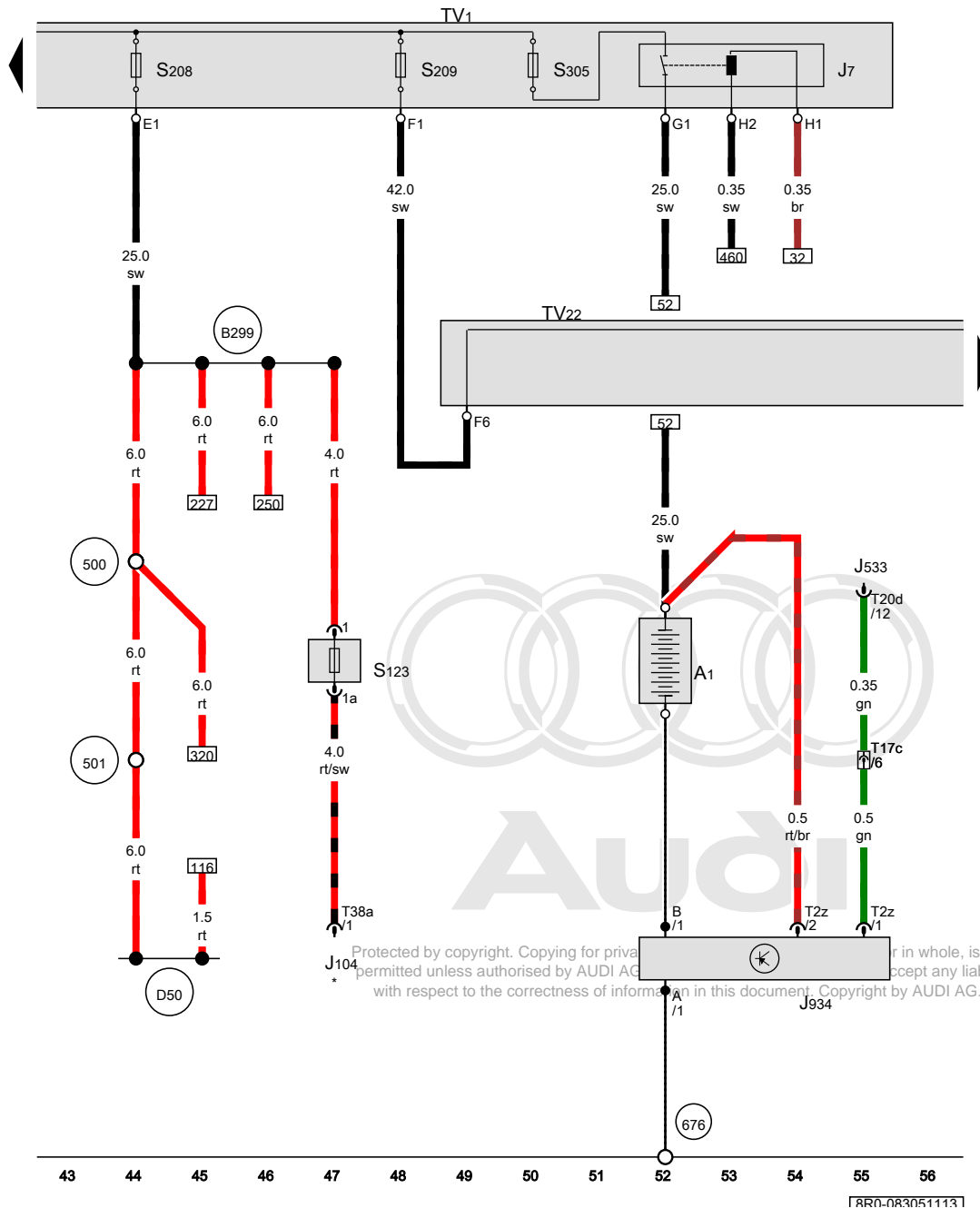
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J9	Rear window defogger relay
J329	Terminal 15 power supply relay
J393	Comfort system central control module
J580	Starter battery switch-over relay
J623	Engine control module
S41	Rear window defogger fuse
S77	Trailer fuse (terminal 30), B+)
S207	Fuse 4 (terminal 30)
T4aq	4-pin connector, black
T17r	17-pin connector
T32c	32-pin connector
T32d	32-pin connector
TV1	Wire junction
T105	105-pin connector

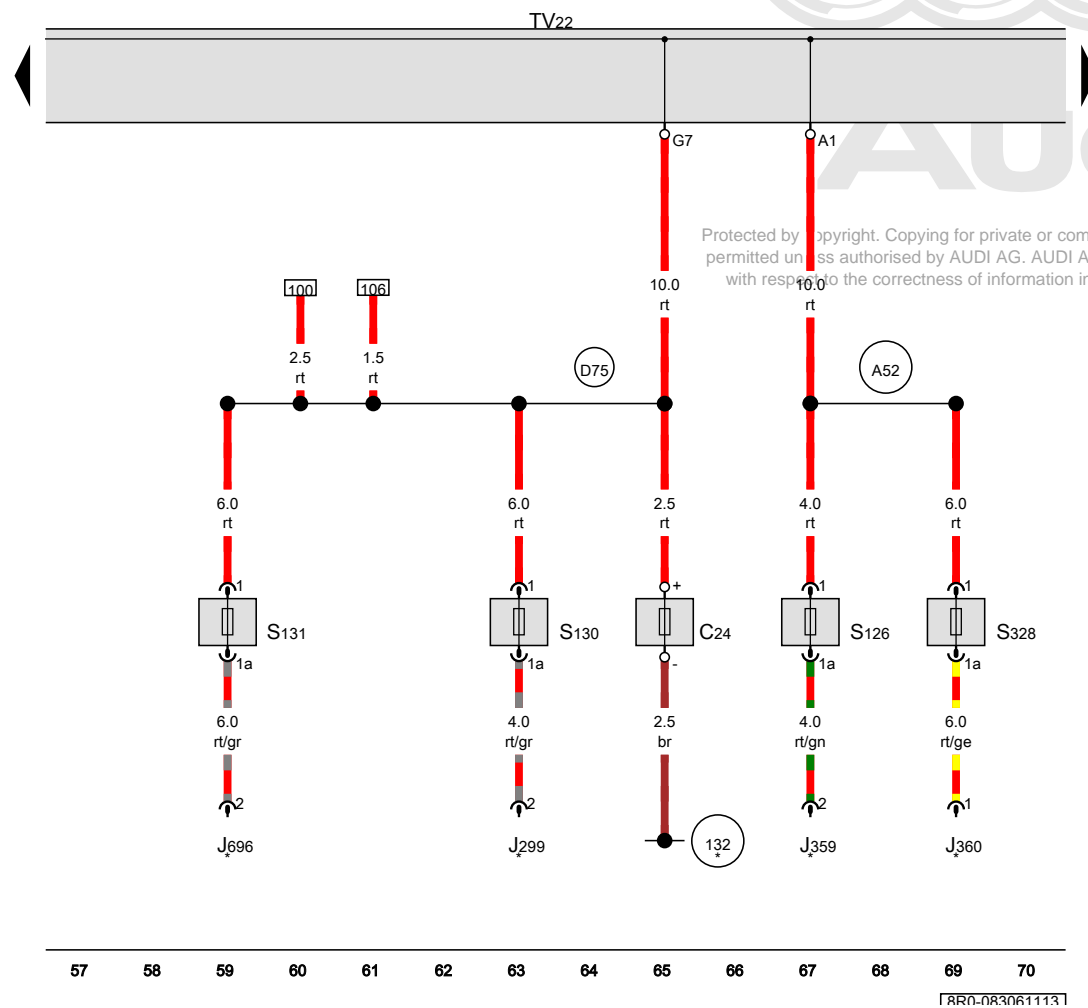
- |      |  |
|------|--|
| 50   | Ground connection in luggage compartment, left           |
| 51   | Ground connection in luggage compartment, right          |
| 249  | Ground connection 2 (in interior wiring harness)         |
| 371  | Ground connection 6 (in main wiring harness)             |
| B272 | Positive connection (30) (in main wiring harness)        |
| B298 | Positive connection 2 (30) (in main wiring harness)      |
| *    | Refer to applicable standard equipment wiring diagram    |
| *2   | Refer to applicable wiring diagram for trailer prewiring |
| *3   | Refer to applicable engine wiring diagram                |



# Terminal 30 wire junction 2

- C24 Suppressor
- J299 Secondary air injection pump relay
- J359 Low heat output relay
- J360 High heat output relay
- J696 Transmission cooling circuit relay
- S126 Auxiliary heater fuse
- S130 Secondary air injection pump fuse
- S131 Safety fuse 1
- S328 Auxiliary heater fuse 2
- TV22 Terminal 30 wire junction 2

- 132 Ground connection 3 (in engine compartment wiring harness)
- A52 Positive connection 2 (30) (in instrument panel wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram

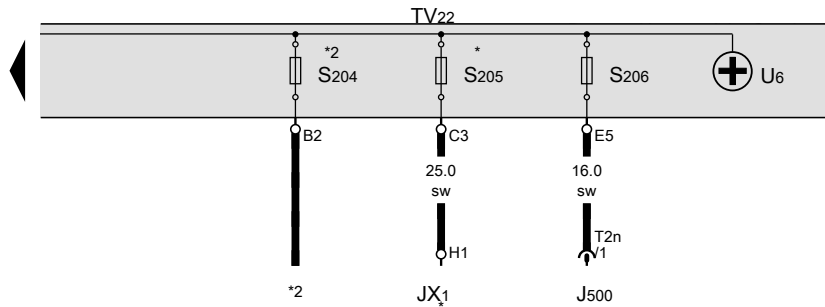


[ARB-083061113]



Fuse 1 (terminal 30), Fuse 2 (terminal 30), Fuse 3 (terminal 30), Terminal 30 wire junction 2, Battery jump start terminal

- JX1 Electric drive power and control electronics
- J500 Power steering control module
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- S206 Fuse 3 (terminal 30)
- T2n Double connector
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable coolant fan wiring diagram

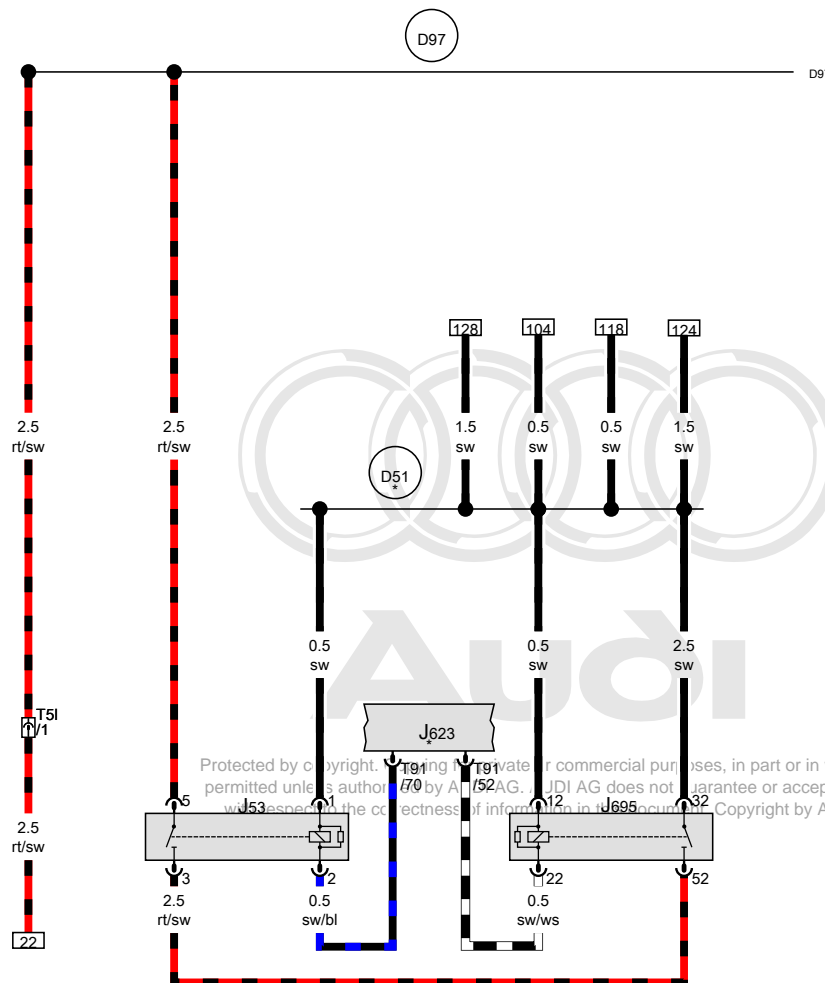


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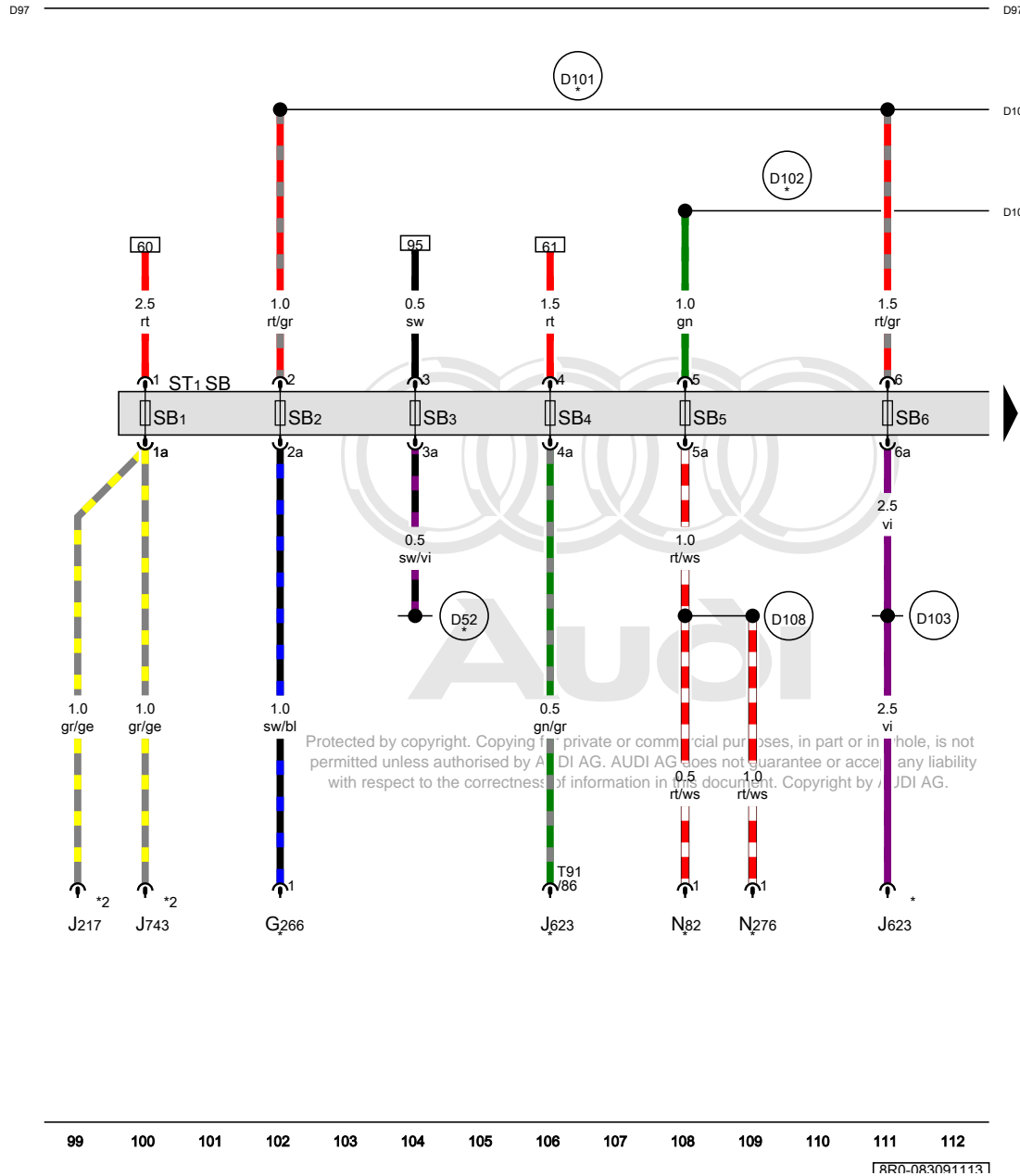
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- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

Starter relay, Engine control module, Relay 2 for starter

- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- T51 5-pin connector, black
- T91 91-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram



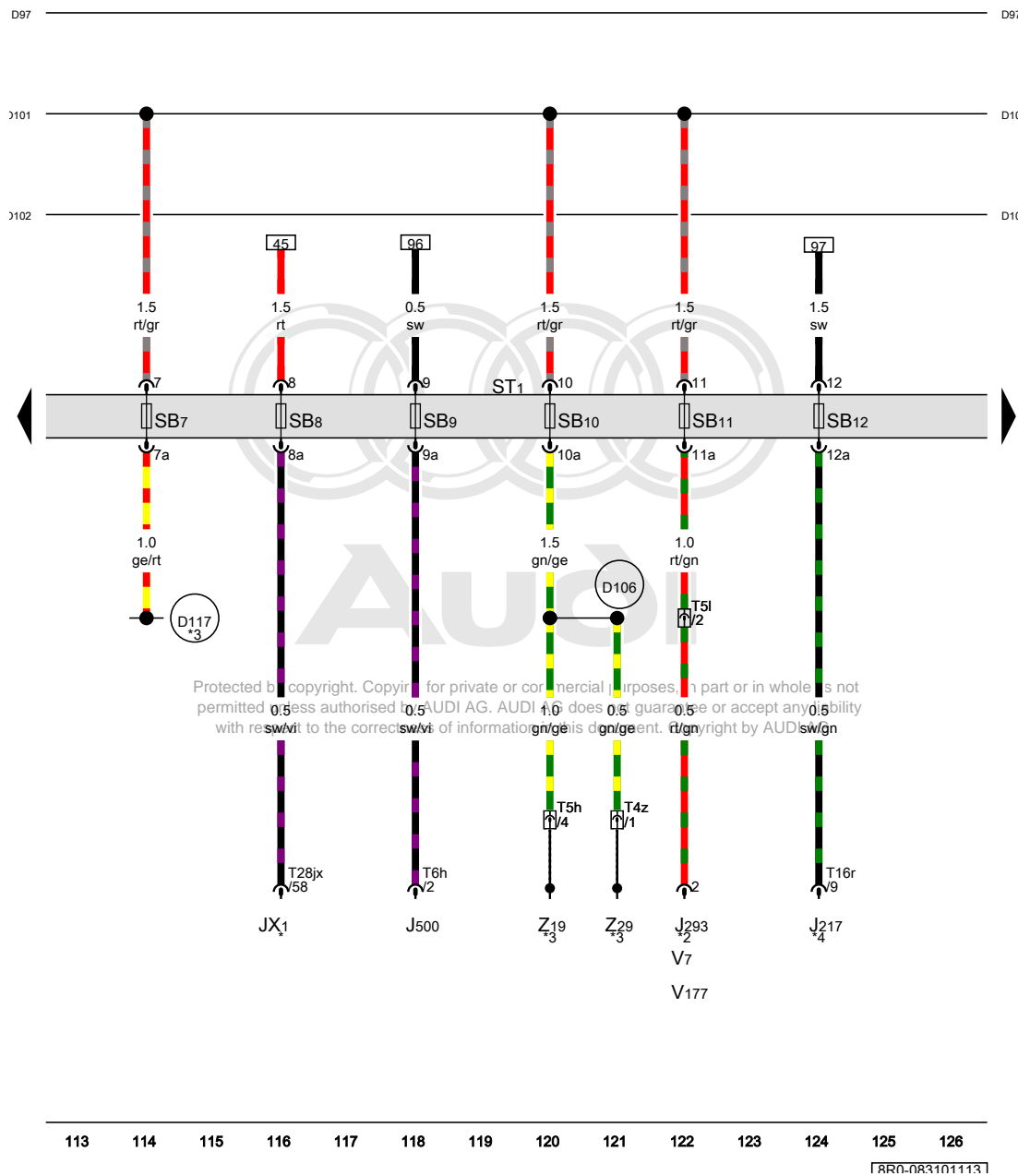
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 ro = red  
 rt = red  
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 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink



## Fuse panel B, Fuse panel 1

- G266 Oil level thermal sensor
- J217 Transmission control module
- J623 Engine control module
- J743 DSG transmission Mechatronic
- N82 Coolant shut-off valve
- N276 Fuel pressure regulator valve
- SB Fuse panel B
- ST1 Fuse panel 1
- 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)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- T91 91-pin connector

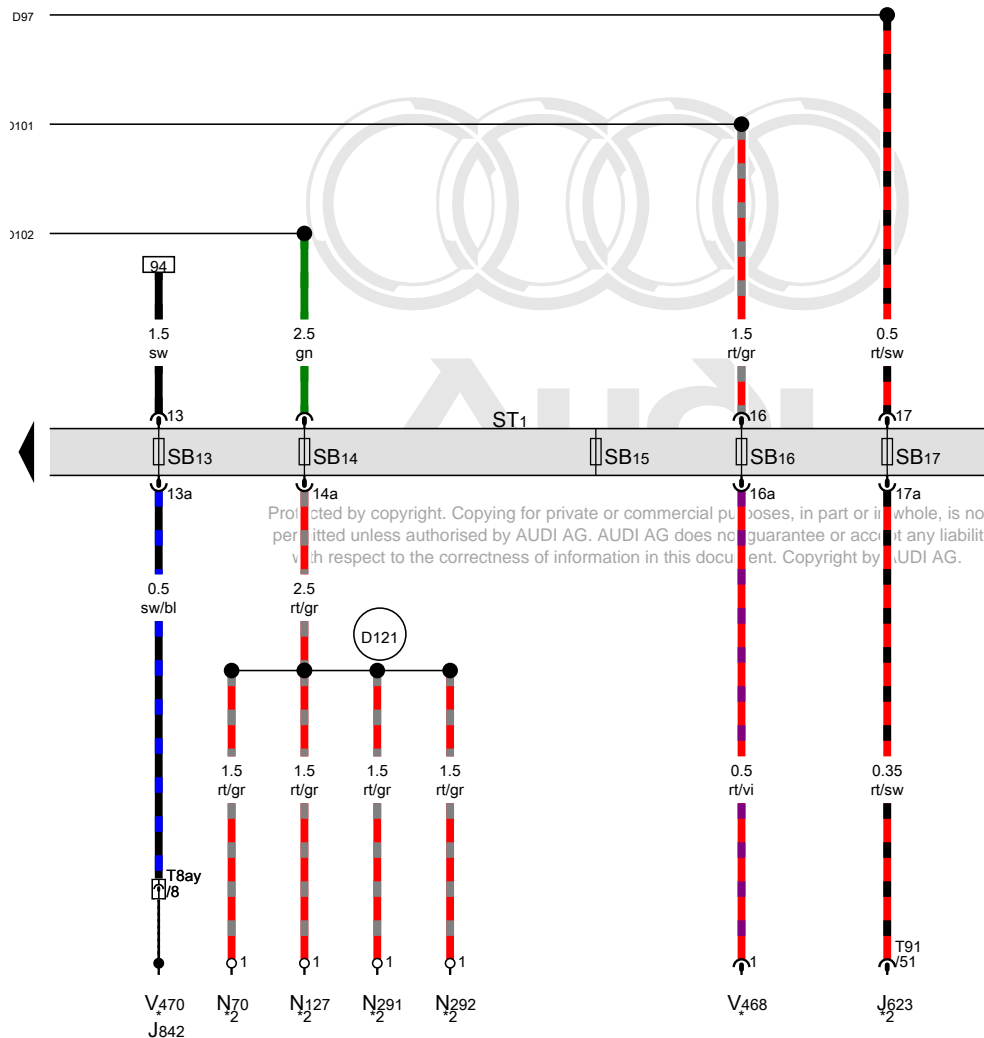
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- D108 Connection 6 (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable transmission wiring diagram



## Fuse panel 1

- JX1 Electric drive power and control electronics
- J217 Transmission control module
- J293 Coolant fan control module
- J500 Power steering control module
- ST1 Fuse panel 1
- 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)
- T4z 4-pin connector
- T5h 5-pin connector
- T5l 5-pin connector
- T6h 6-pin connector
- T16r 16-pin connector
- T28jx 28-pin connector
- V7 Coolant fan
- V177 Coolant fan 2
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D106 Connection 4 (in engine compartment wiring harness)
- D117 Connection 15 (in engine compartment wiring harness)
- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable coolant fan wiring diagram
- \*3 Refer to applicable engine wiring diagram
- \*4 Refer to applicable wiring diagram for automatic transmission

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



## Fuse panel 1

- J623 Engine control module
- J842 A/C compressor 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
- ST1 Fuse panel 1
- SB13 Fuse 13 (on fuse panel B)
- SB14 Fuse 14 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- SB17 Fuse 17 (on fuse panel B)
- T8ay 8-pin connector
- T91 91-pin connector
- V468 Low temperature circuit coolant pump
- V470 Electrical A/C compressor

- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable engine wiring diagram

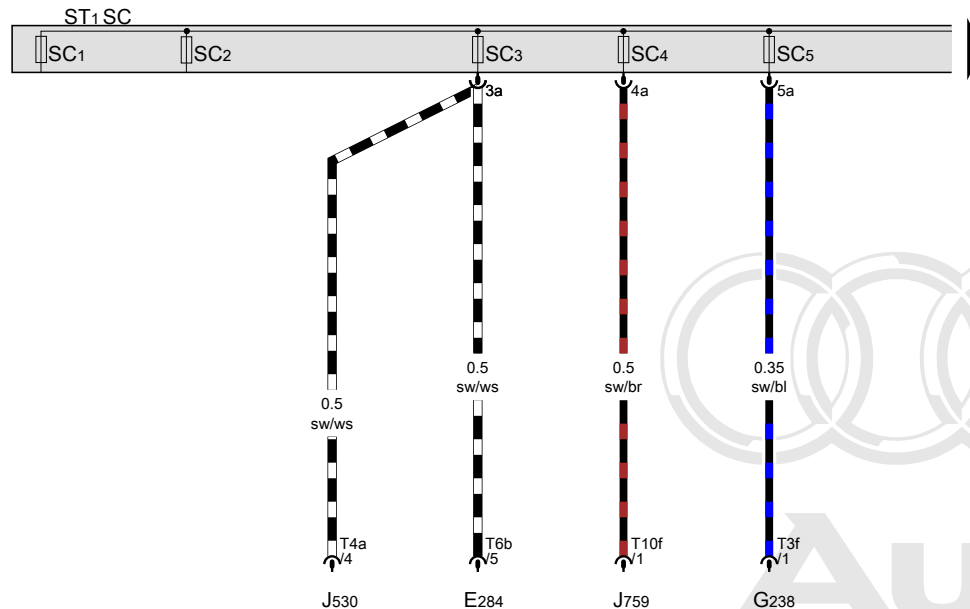
127 128 129 130 131 132 133 134 135 136 137 138 139 140

[ARN-083111113]



# Fuse panel C, Fuse panel 1

- E284 Garage door opener control head
- G238 Air quality sensor
- J530 Garage door opener control module
- J759 Directional stabilization assistance control module
- SC Fuse panel C
- ST1 Fuse panel 1
- 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)
- T3f 3-pin connector
- T4a 4-pin connector
- T6b 6-pin connector
- T10f 10-pin connector



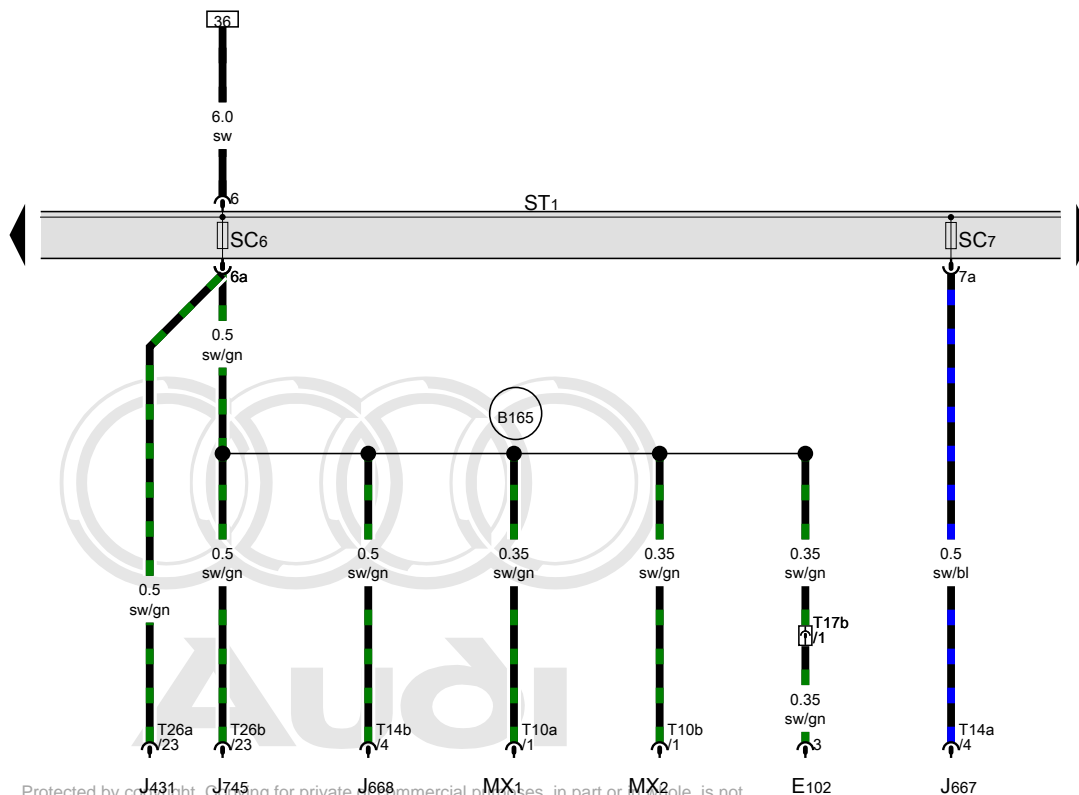
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## Fuse panel 1

- E102 Headlamp range control adjuster
- J431 Headlamp range control module
- J667 Left headlamp power output stage
- J668 Right headlamp power output stage
- J745 Cornering lamp and headlamp range control module
- MX1 Left front headlamp
- MX2 Right front headlamp
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T10a 10-pin connector
- T10b 10-pin connector
- T14a 14-pin connector
- T14b 14-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T26a 26-pin connector
- T26b 26-pin connector

B165 Positive connection 2 (15) (in interior wiring harness)



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

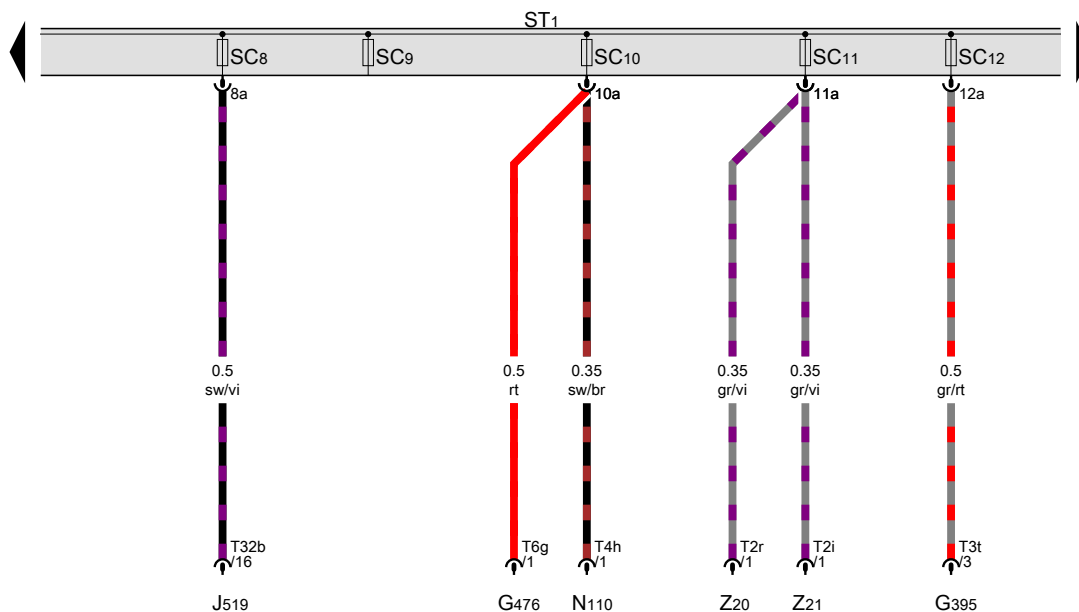
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155 156 157 158 159 160 161 162 163 164 165 166 167 168

[ARB-083131113]



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 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

### Fuse panel 1

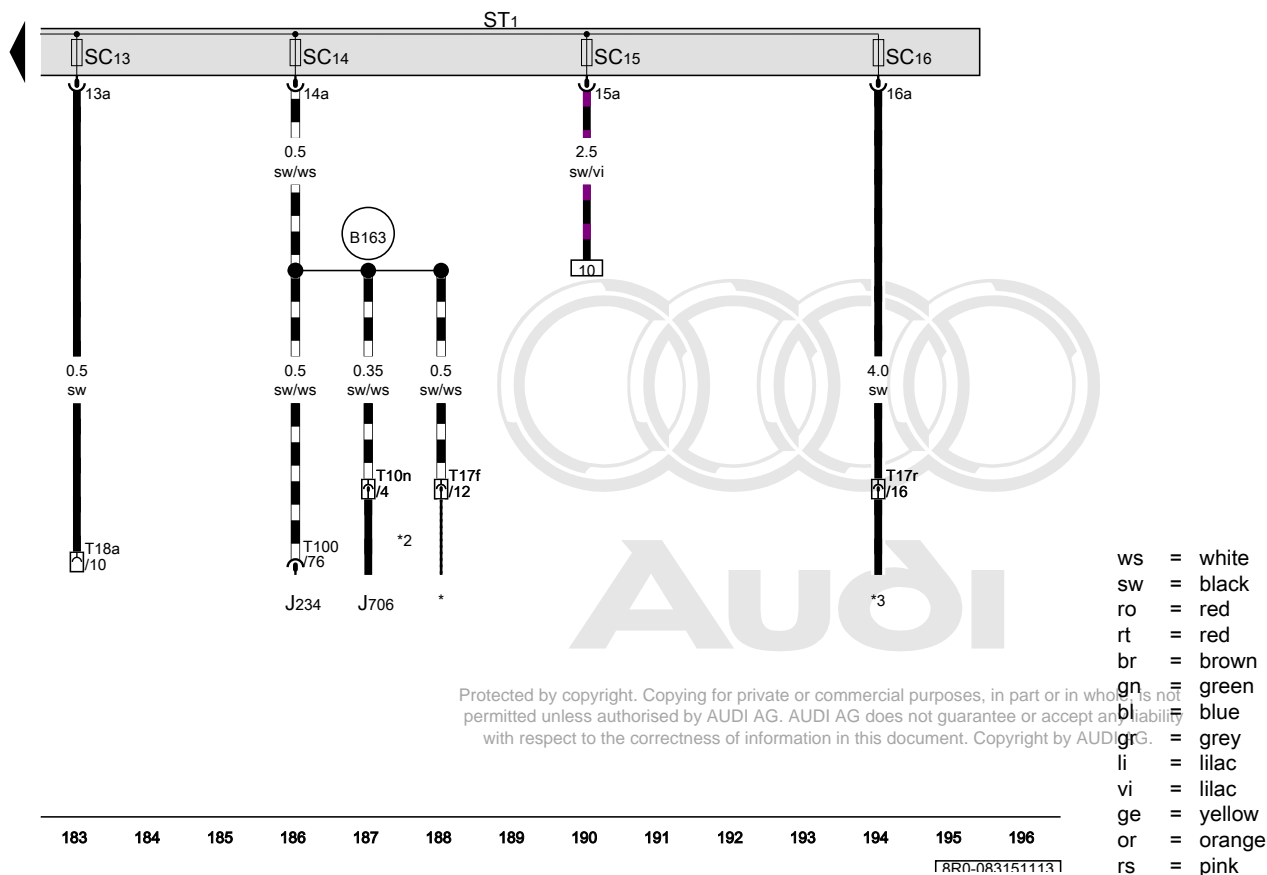
- G395 A/C pressure/temperature sensor
- G476 Clutch position sensor
- J519 Vehicle electrical system control module
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T2i Double connector
- T2r Double connector
- T3t 3-pin connector
- T4h 4-pin connector
- T6g 6-pin connector
- T32b 32-pin connector
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater

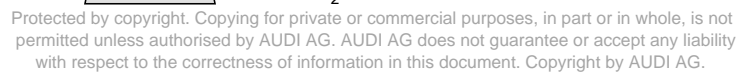
# Fuse panel 1

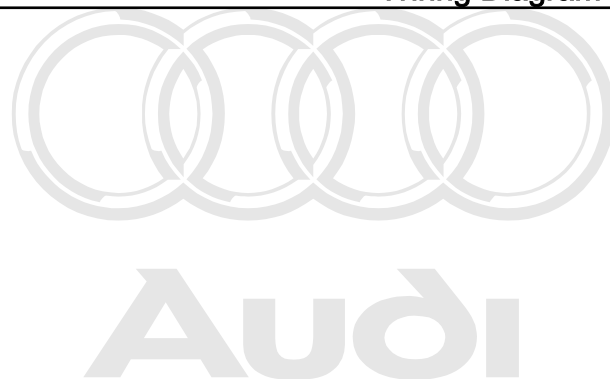
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- ST1 Fuse panel 1
- SC13 Fuse 13 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- SC15 Fuse 15 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T10n 10-pin connector, black
- T17f 17-pin connector, in the connector station, right A-pillar
- T17r 17-pin connector, in the E-box
- T18a 18-pin connector, black
- T100 100-pin connector

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

- \* Only for vehicles with standard equipment
- \*2 Refer to applicable seat adjustment wiring diagram
- \*3 Refer to applicable engine wiring diagram



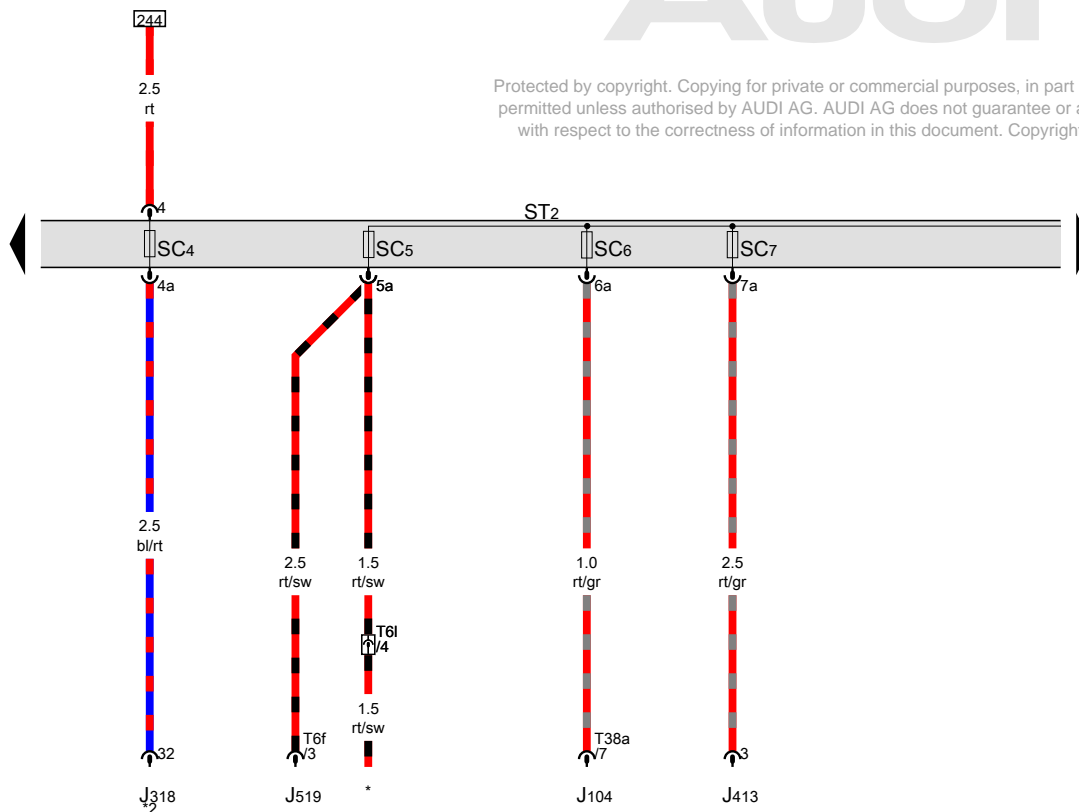




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## Fuse panel 2

- J104 ABS control module
- J318 Vacuum pump relay
- J413 Horn relay
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- 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)
- T6f 6-pin connector
- T6l 6-pin connector, green
- T38a 38-pin connector
- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable engine wiring diagram



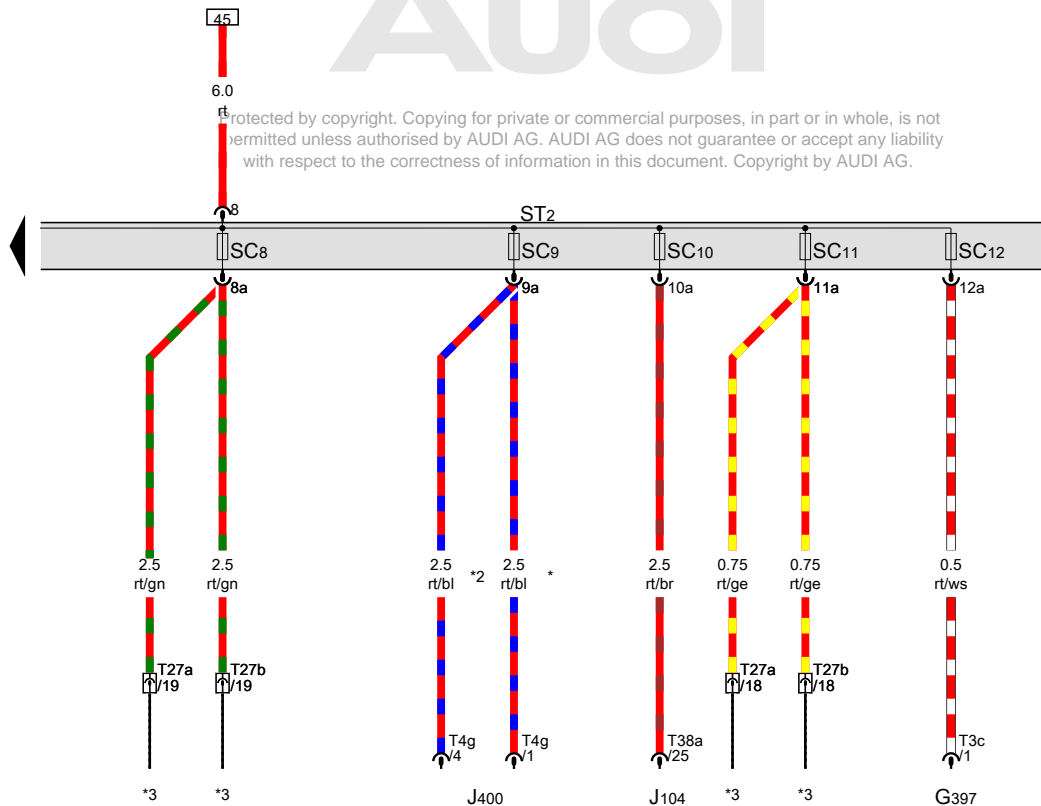
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 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

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

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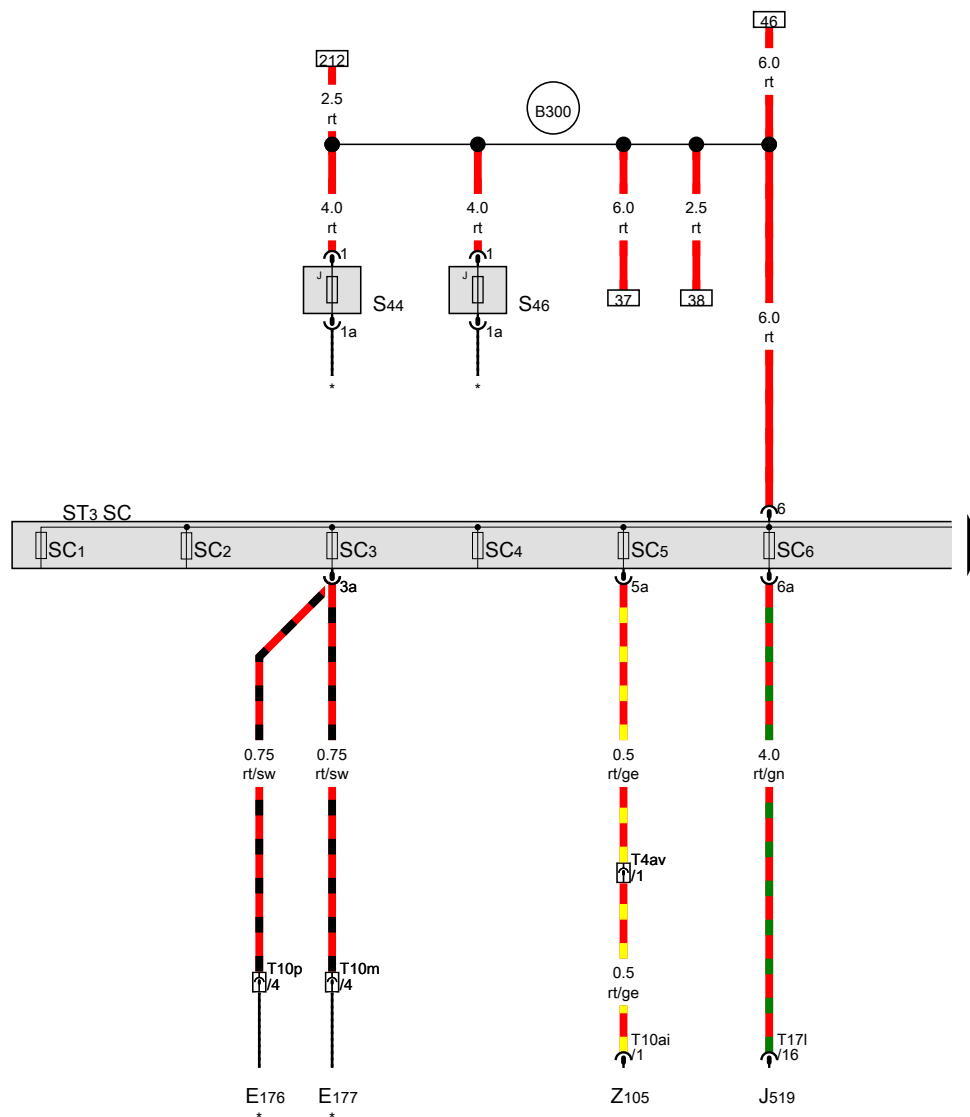
## Fuse panel 2

- G397 Rain/light recognition sensor
- J104 ABS control module
- J400 Wiper motor control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Left B-pillar, bottom
- T38a 38-pin connector
- \* Only for right-hand drive vehicles
- \*2 Only for left-hand drive vehicles
- \*3 Refer to applicable convenience system wiring diagram

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

225 226 227 228 229 230 231 232 233 234 235 236 237 238

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### Fuse panel 3, Fuse panel C

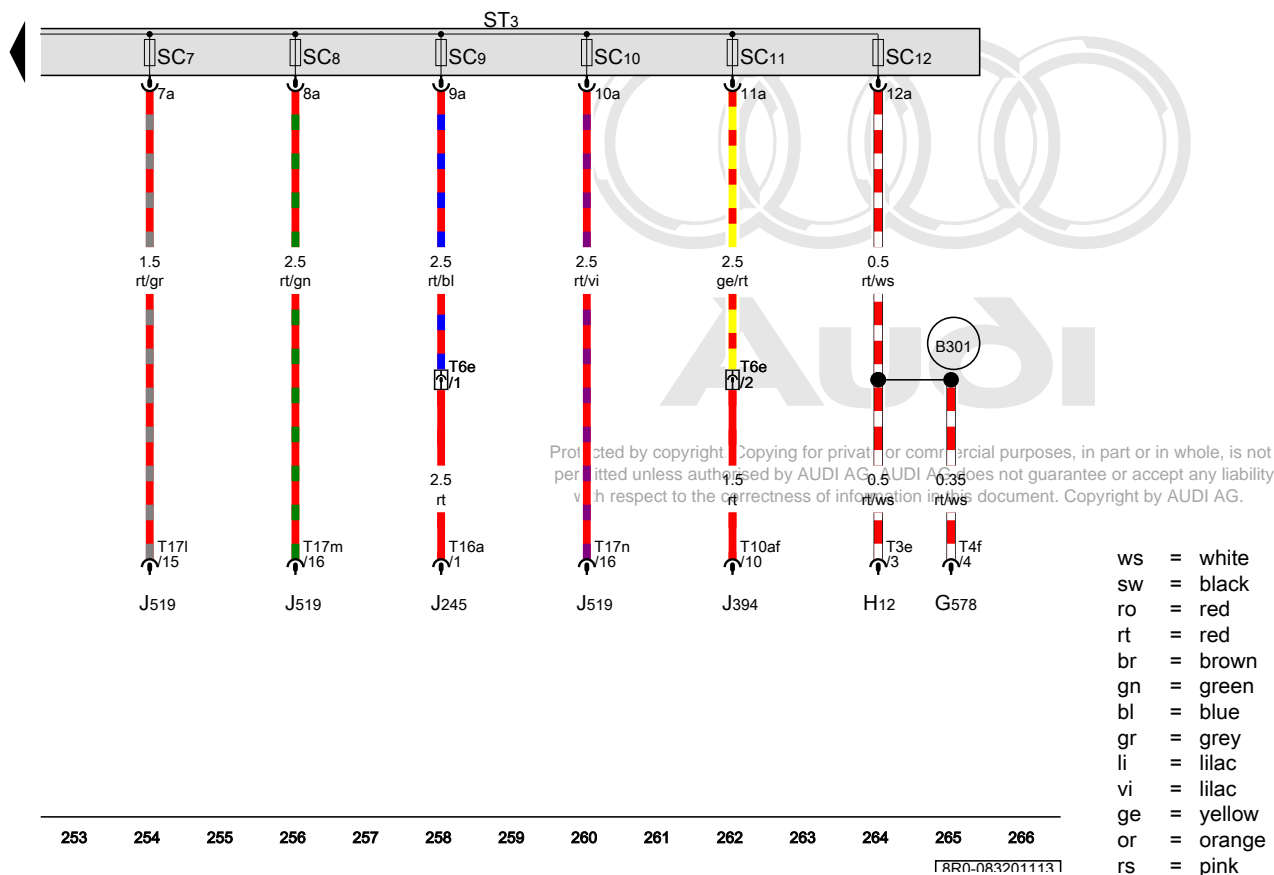
- E176 Driver seat lumbar support adjustment switch
- E177 Front passenger seat lumbar support adjustment switch
- J519 Vehicle electrical system control module
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- ST3 Fuse panel 3
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- SC6 Fuse 6 (on fuse panel C)
- S44 Driver power seat adjustment circuit breaker 1
- S46 Front passenger power seat adjustment circuit breaker 1
- SC Fuse panel C
- T4av 4-pin connector
- T10ai 10-pin connector
- T10m 10-pin connector, in the coupling point for the right front seat
- T10p 10-pin connector, in the coupling point for the left front seat
- T17i 17-pin connector
- Z105 Cupholder with heating and cooling element
- B300 Positive connection 4 (30) (in main wiring harness)
- \* Refer to applicable seat adjustment wiring diagram

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



### Fuse panel 3

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J245 Power sunroof control module
- J394 Roof shade control module
- J519 Vehicle electrical system control module
- ST3 Fuse panel 3
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3e 3-pin connector
- T4f 4-pin connector
- T6e 6-pin connector, on the right front roof frame
- T10af 10-pin connector
- T16a 16-pin connector
- T17l 17-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- (B301) Positive connection 5 (30) (in main wiring harness)

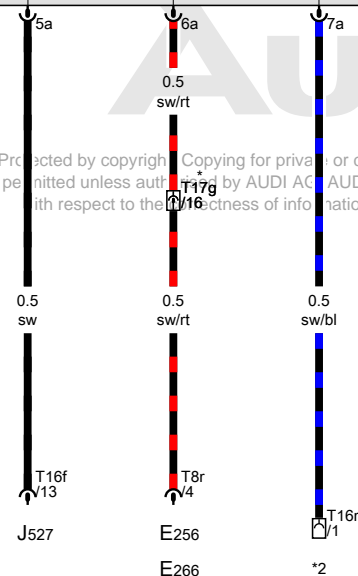


# Fuse panel D, Fuse panel 1

- E256 ASR/ESP button
- E266 Parking aid button
- J527 Steering column electronics control module
- SD Fuse panel D
- ST1 Fuse panel 1
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- T8r 8-pin connector
- T16f 16-pin connector
- T16r 16-pin connector
- T17g 17-pin connector, in the connector station, right A-pillar
- \* Only for vehicles without a navigation system
- \*2 Diagnostic connector



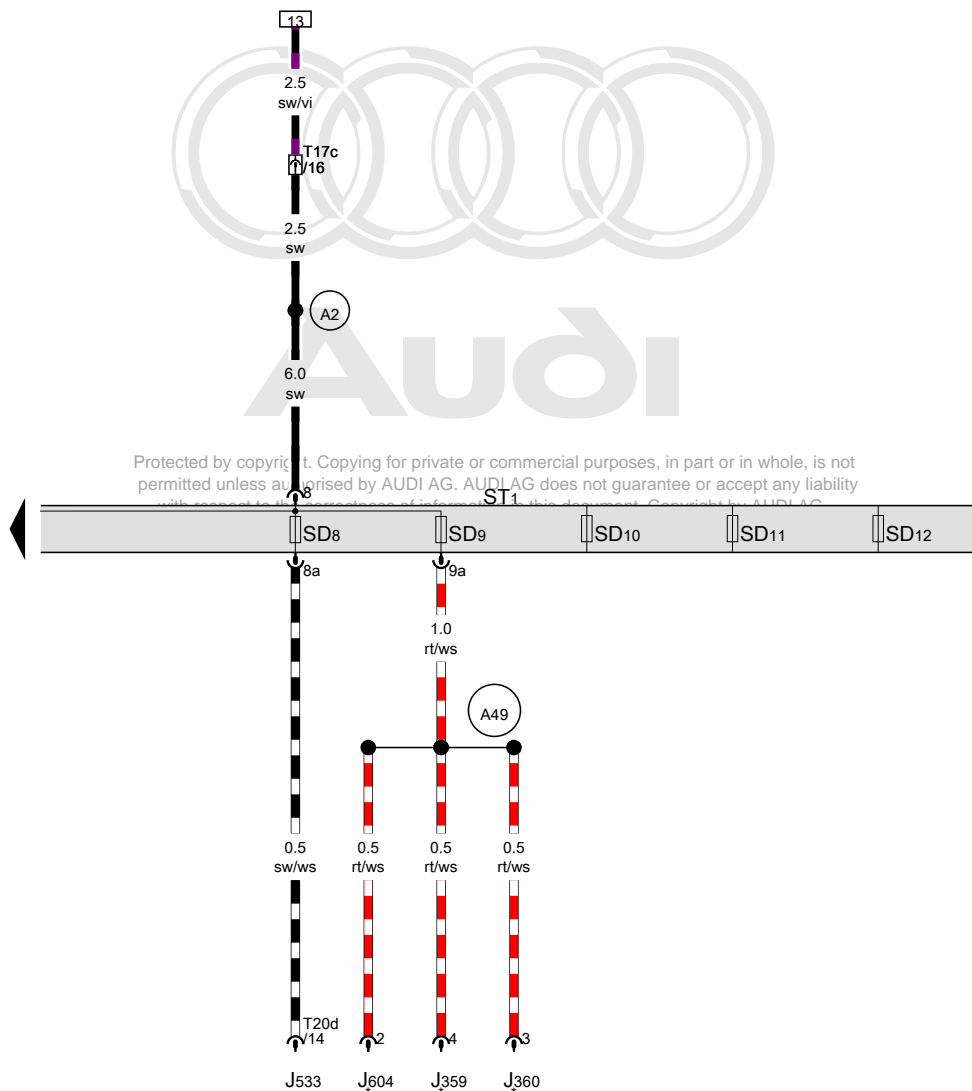
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

267 268 269 270 271 272 273 274 275 276 277 278 279 280

[ARB-083211113]



### Fuse panel 1

- J359 Low heat output relay
- J360 High heat output relay
- J533 Data bus on board diagnostic interface
- J604 Auxiliary air heater control module
- ST1 Fuse panel 1
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T17c 17-pin connector, in the left A-pillar connector station
- T20d 20-pin connector

A2 Positive connection (15) (in instrument panel wiring harness)

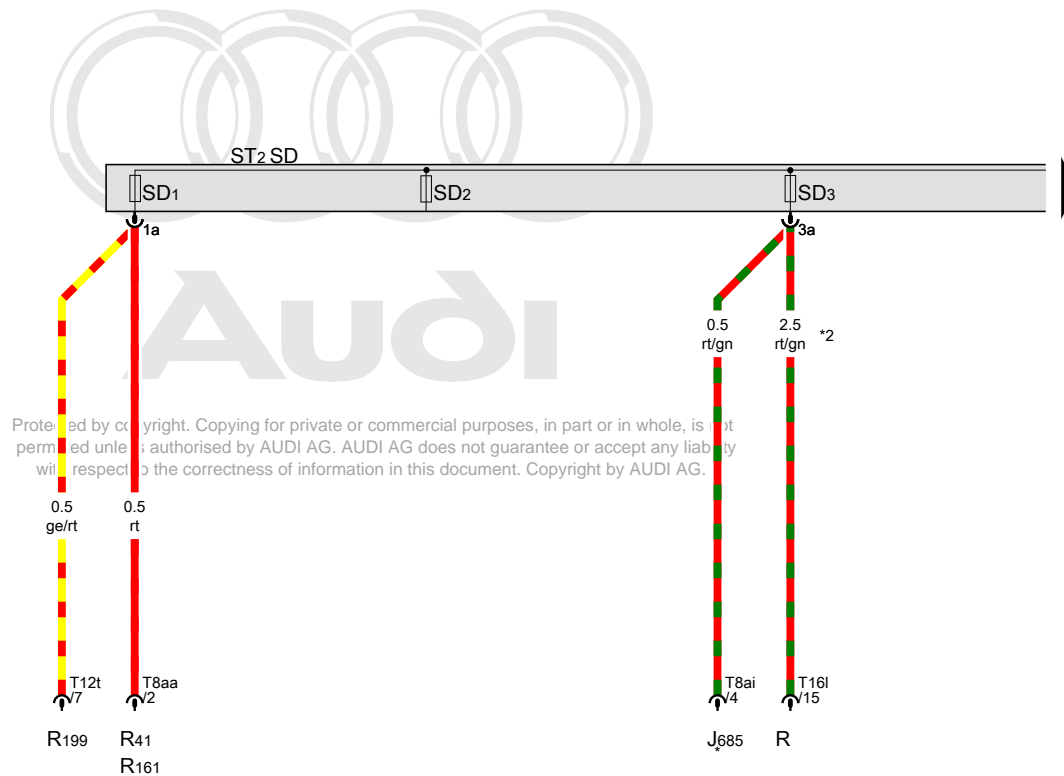
A49 Connection 1 (in instrument panel wiring harness)

\* Refer to applicable engine wiring diagram

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

# Fuse panel D, Fuse panel 2

- J685 Front information display control head
- R Radio, black
- R41 CD changer
- R161 DVD changer
- R199 External audio source connection
- SD Fuse panel D
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T8aa 8-pin connector
- T8ai 8-pin connector
- T12t 12-pin connector
- T16l 16-pin connector
- \* Refer to applicable MMI (information electronics) wiring diagram
- \*2 Diameter depends on equipment



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

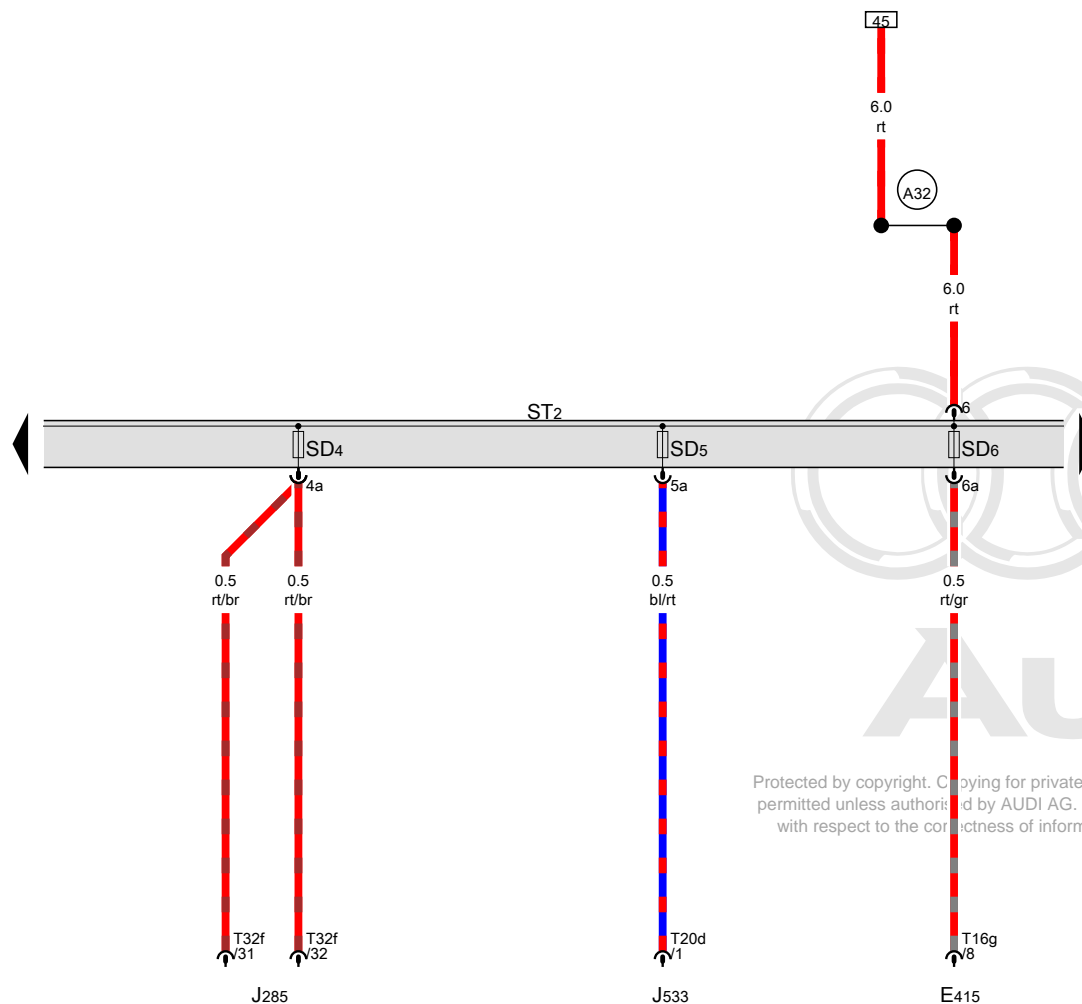
295 296 297 298 299 300 301 302 303 304 305 306 307 308

[ARN-083231113]

## Fuse panel 2

- E415 Access/start authorization switch
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- T16g 16-pin connector
- T20d 20-pin connector
- T32f 32-pin connector

A32 Positive connection (30) (in instrument panel wiring harness)



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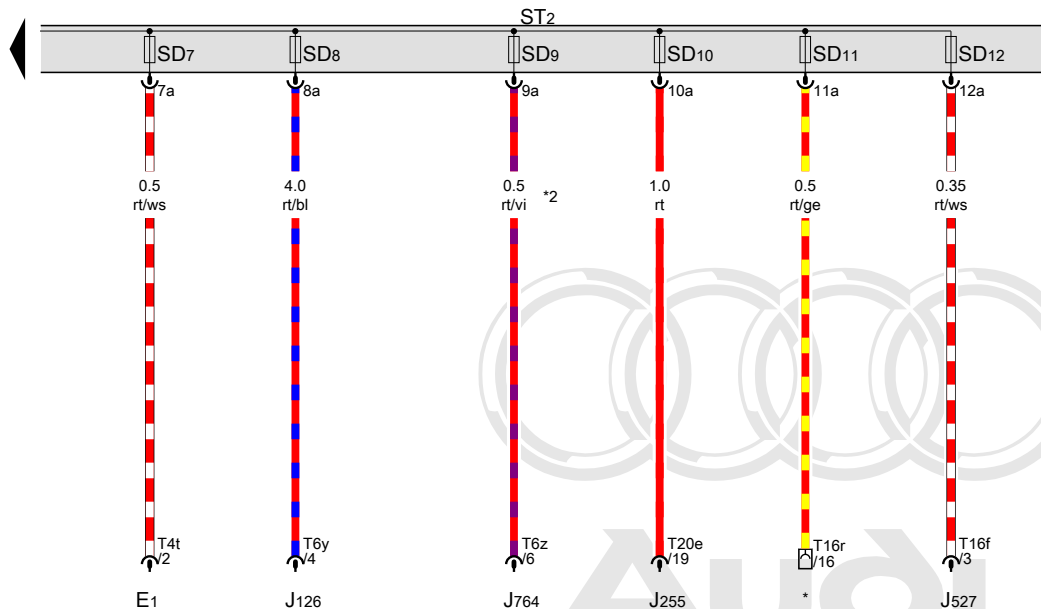
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 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

309 310 311 312 313 314 315 316 317 318 319 320 321 322

[ARN-083241113]

## Fuse panel 2

- E1 Light switch
- J126 Fresh air blower control module
- J255 Climatronic control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T4t 4-pin connector
- T6y 6-pin connector
- T6z 6-pin connector
- T16f 16-pin connector
- T16r 16-pin connector
- T20e 20-pin connector
- \* Diagnostic connector
- \*2 Diameter depends on equipment



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

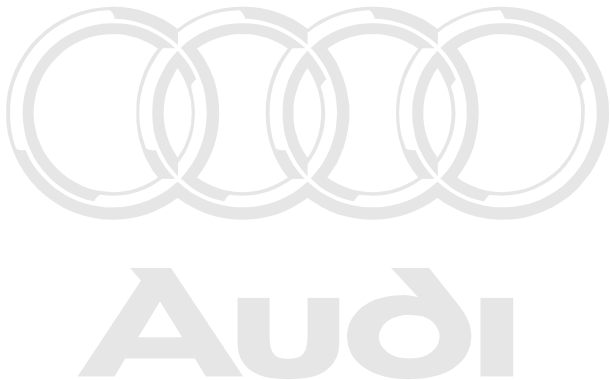
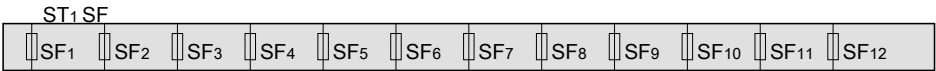
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323 324 325 326 327 328 329 330 331 332 333 334 335 336

1800-083251113

Fuse panel F, Fuse panel 1

- SF Fuse panel F
- ST1 Fuse panel 1
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)

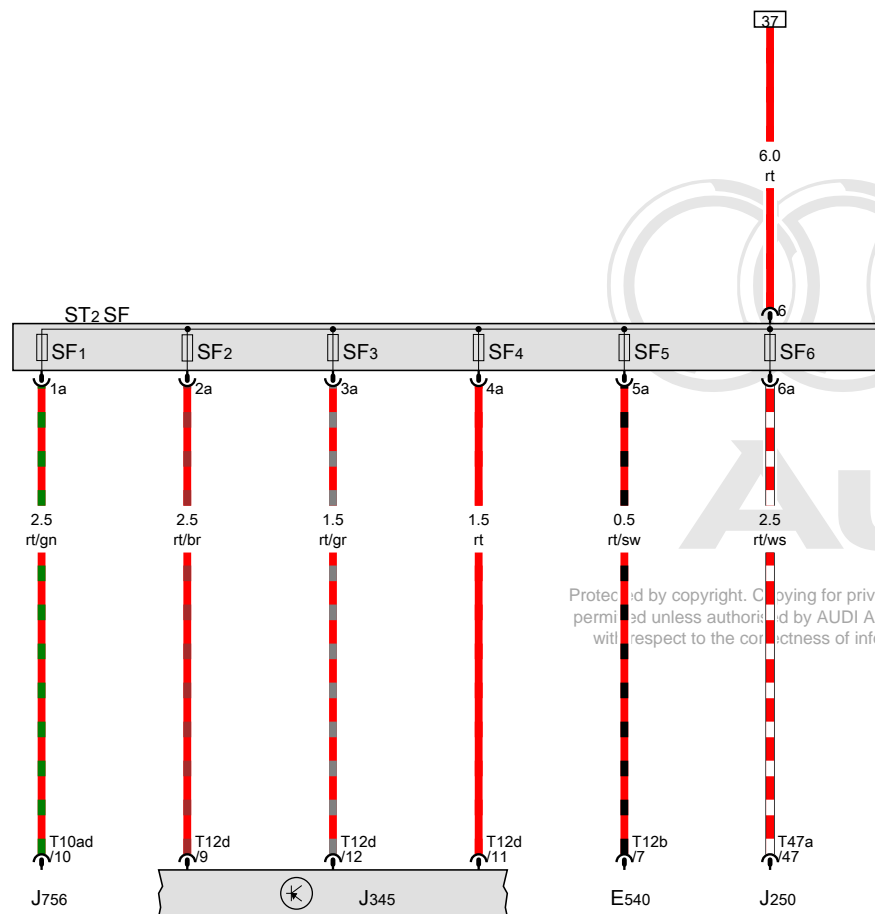


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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

# Fuse panel F, Fuse panel 2

- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J756 Rear lid control module 2
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- ST2 Fuse panel 2
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T10ad 10-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T47a 47-pin connector



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

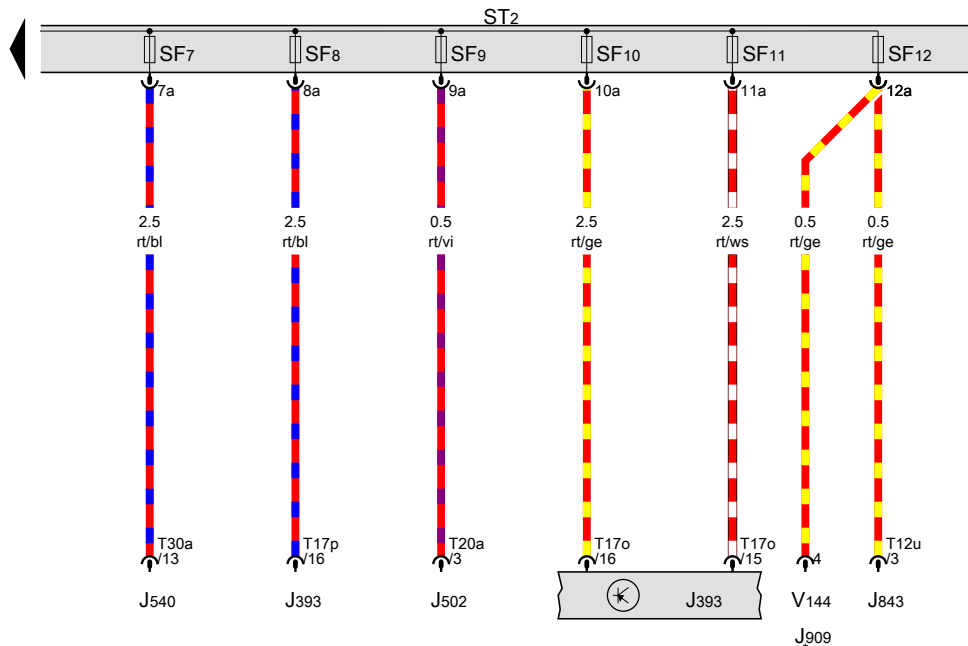
351 352 353 354 355 356 357 358 359 360 361 362 363 364

[ARB-083271113]



## Fuse panel 2

- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J540 Electromechanical parking brake control module
- J843 Vehicle positioning system interface control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector
- T17o 17-pin connector
- T17p 17-pin connector
- T20a 20-pin connector
- T30a 30-pin connector
- V144 Leak detection pump
- \* Only for vehicles with US equipment

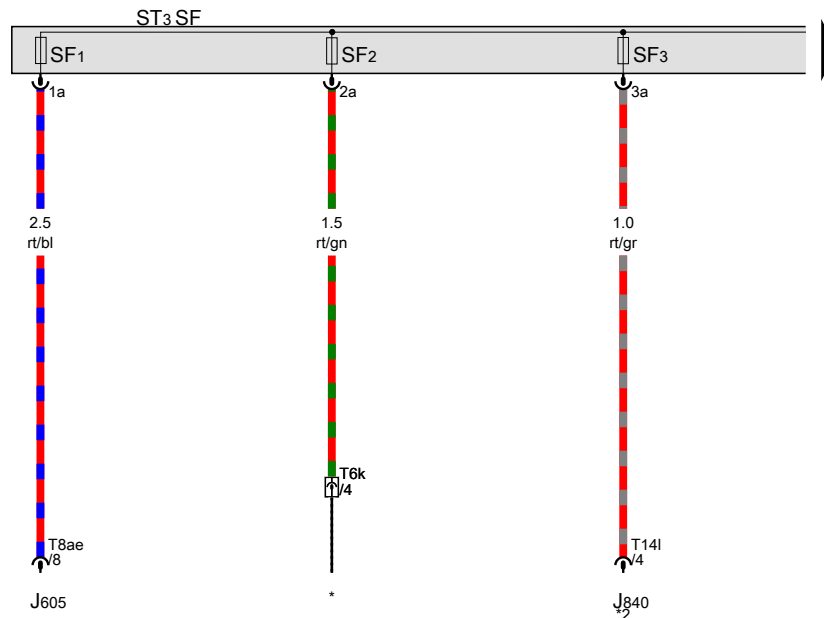


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- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

### Fuse panel F, Fuse panel 3

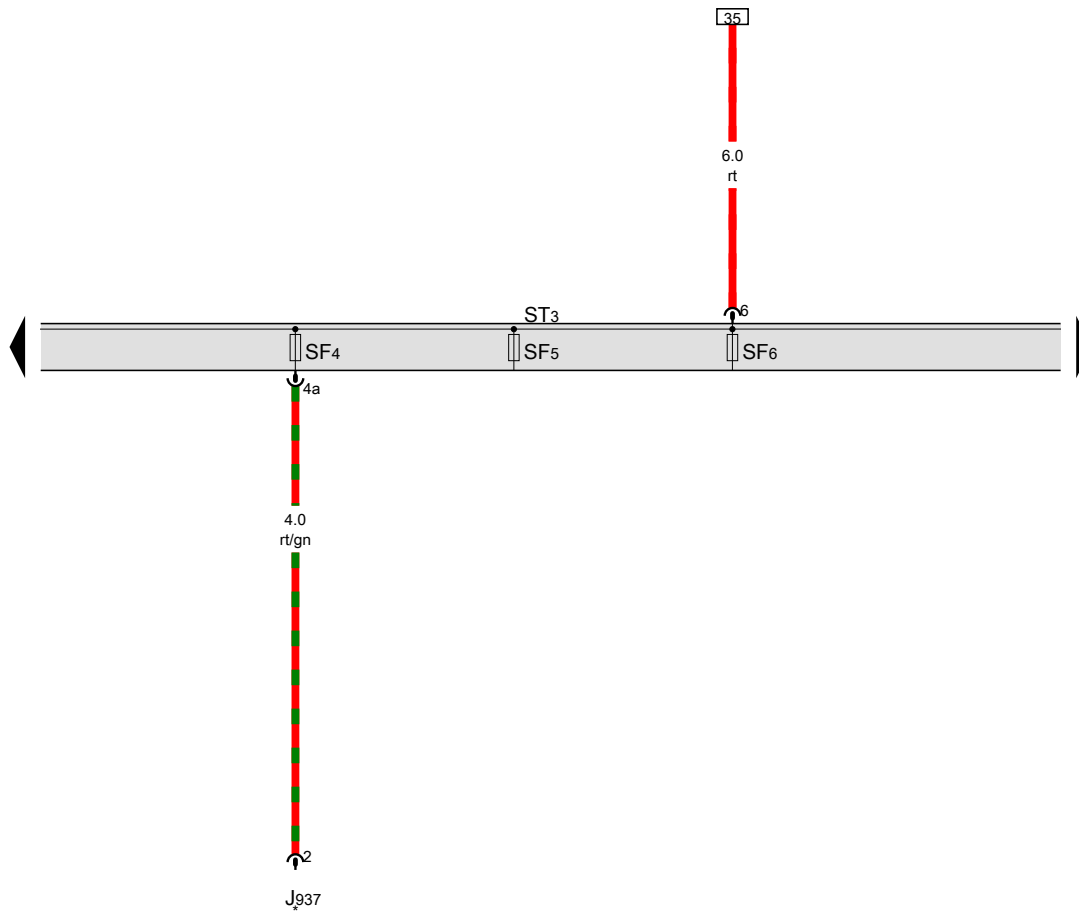
- J605 Rear lid control module
- J840 Battery regulation control module
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- T6k 6-pin connector, green
- T8ae 8-pin connector
- T14l 14-pin connector
- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable high voltage system wiring diagram



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

### Fuse panel 3

- J937 Fan activation relay
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- \* Refer to applicable high voltage system wiring diagram



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

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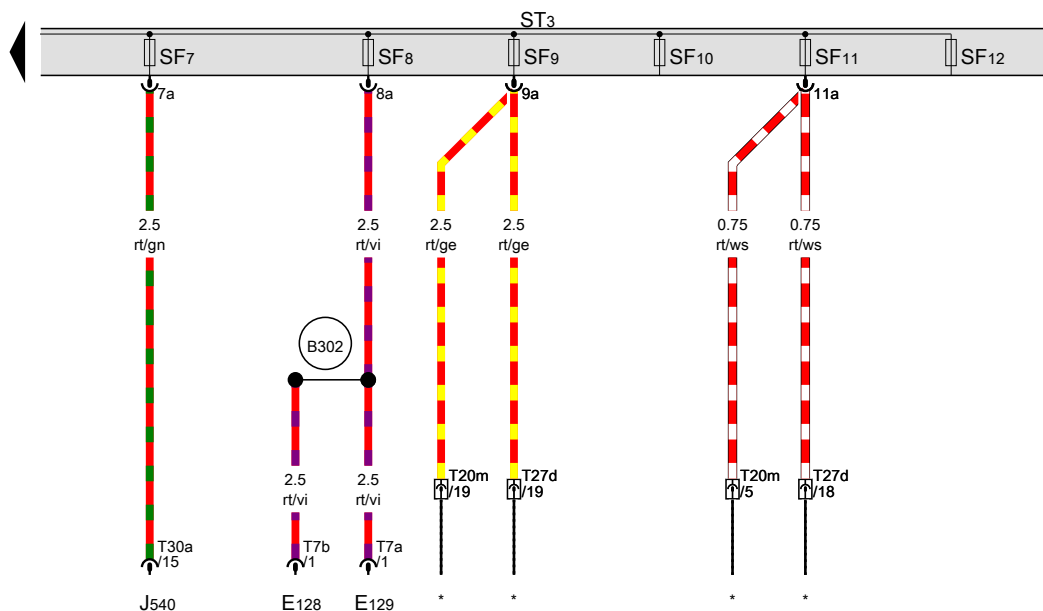
[ARN-083301113]

### Fuse panel 3

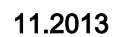
- E128 Left rear heated seat regulating switch
- E129 Right rear heated seat regulating switch
- J540 Electromechanical parking brake control module
- ST3 Fuse panel 3
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T7a 7-pin connector
- T7b 7-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T30a 30-pin connector

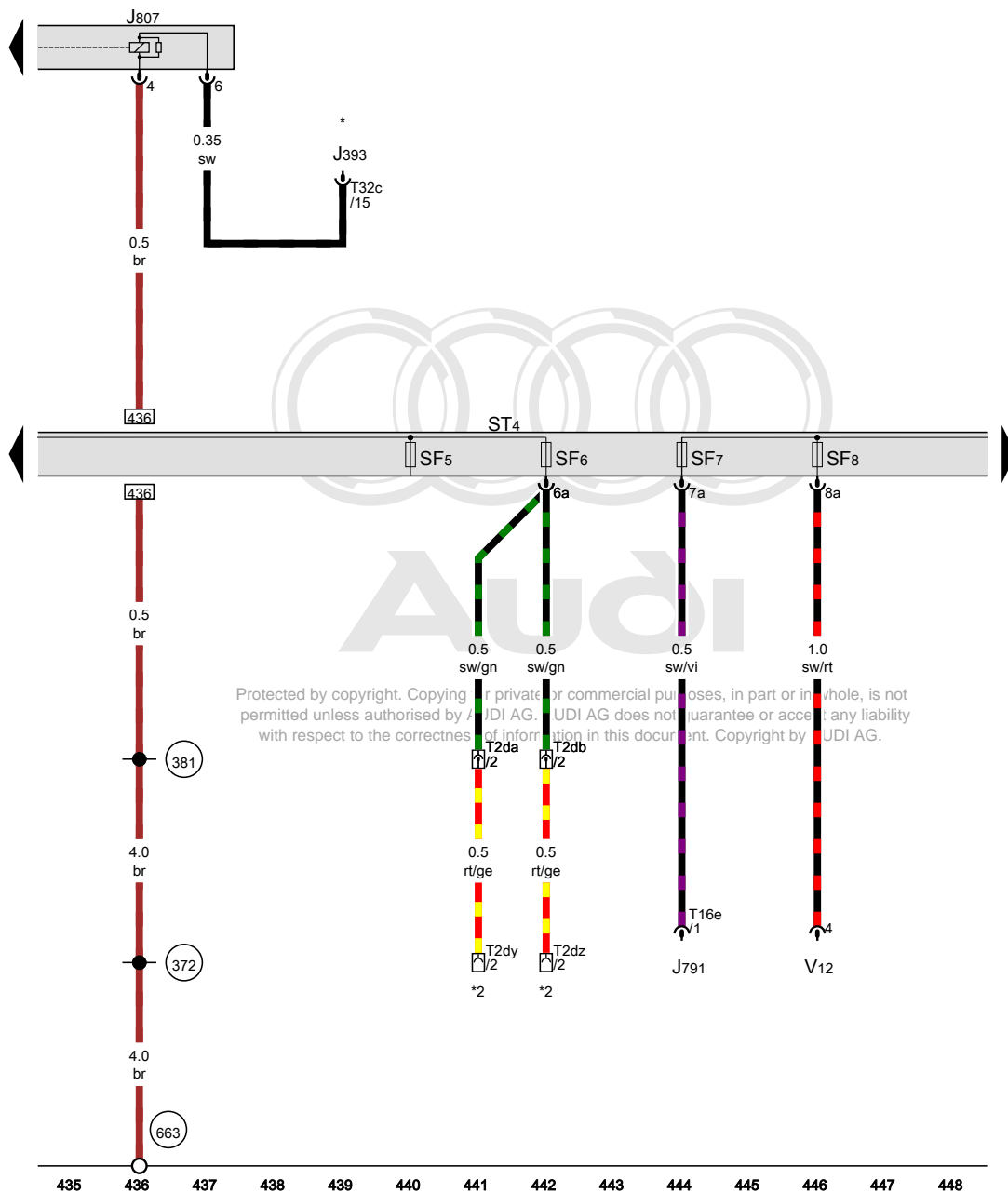
B302 Positive connection 6 (30) (in main wiring harness)

\* Refer to applicable convenience system wiring diagram



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





## Fuse panel 4

- J393 Comfort system central control module
- J791 Parallel parking assistance control module
- J807 Sockets relay
- ST4 Fuse panel 4
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- T2da Double connector, purple
- T2db Double connector, purple
- T2dy Double connector
- T2dz Double connector
- T16e 16-pin connector
- T32c 32-pin connector
- V12 Rear window wiper motor

372 Ground connection 7 (in main wiring harness)

381 Ground connection 16 (in main wiring harness)

663 Ground connection in right rear side panel

- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to the applicable multimedia system wiring diagram

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

[ARN-083331113]

# Fuse panel 4

- E128 Left rear heated seat regulating switch
- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J393 Comfort system central control module
- J540 Electromechanical parking brake control module
- ST4 Fuse panel 4
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T7b 7-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T12f 12-pin connector, black
- T30a 30-pin connector
- T32d 32-pin connector
- T47a 47-pin connector

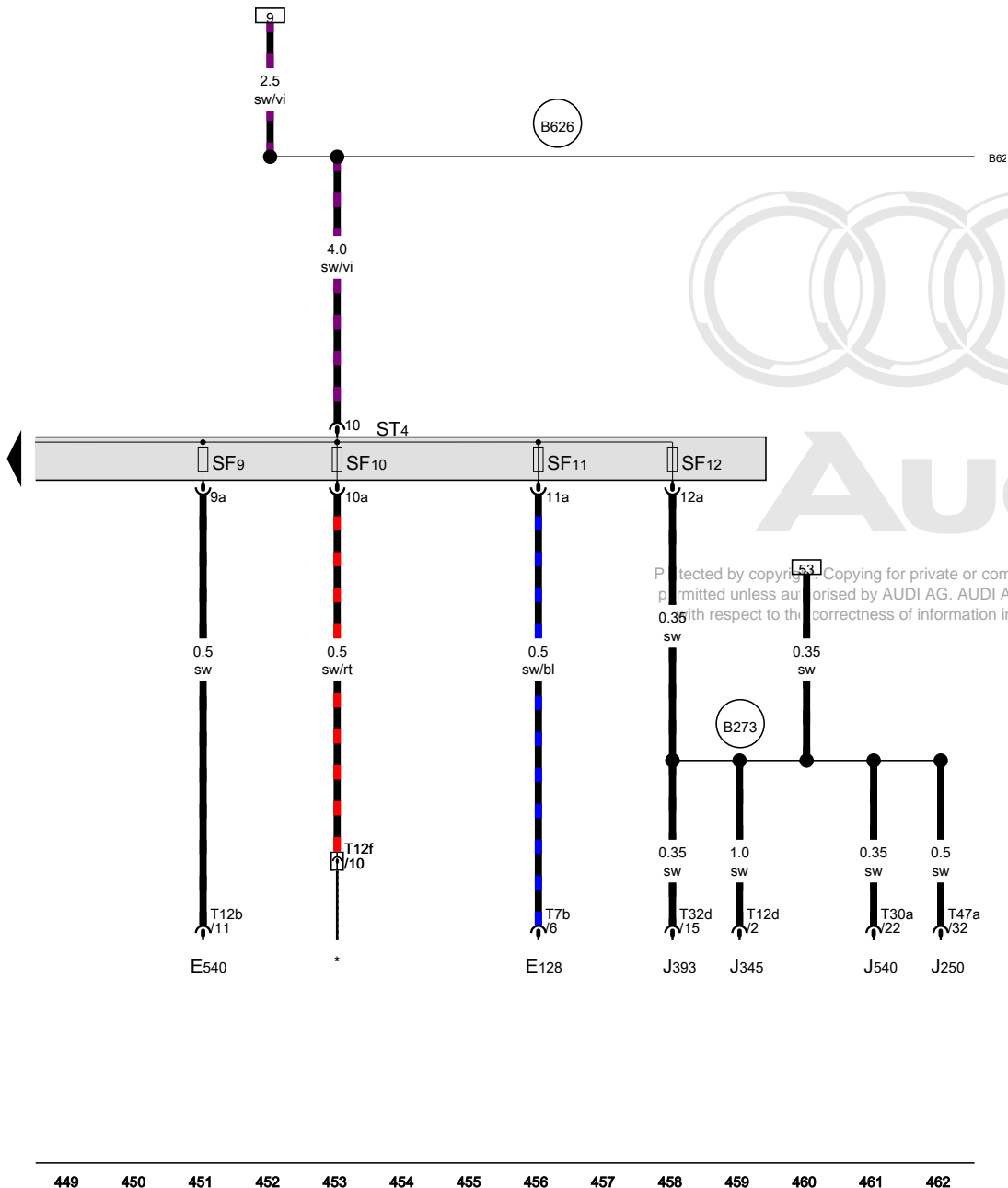
B273 Positive connection (15) (in main wiring harness)

B626 Positive connection 2 (15) (in main wiring harness)

\* Refer to applicable lane assist wiring diagram

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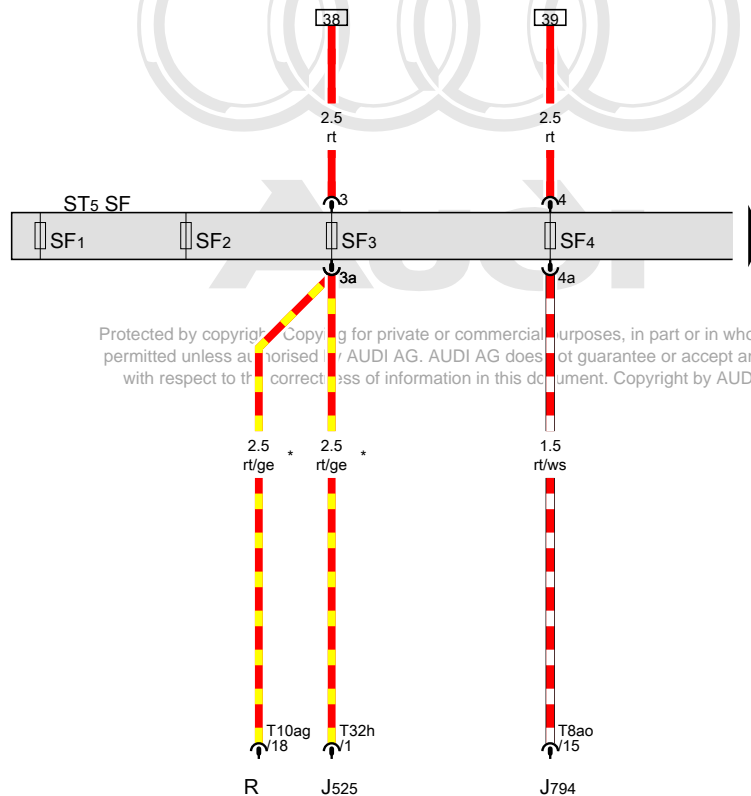


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[ARN-083341113]

3626

B62



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## Fuse panel F, Fuse panel 5

- J525 Digital sound system control module
- J794 Information electronics control module 1
- R Radio
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T8ao 8-pin connector
- T10ag 10-pin connector
- T32h 32-pin connector

B626 Positive connection 2 (15) (in main wiring harness)

\* 4.0 diameter possible

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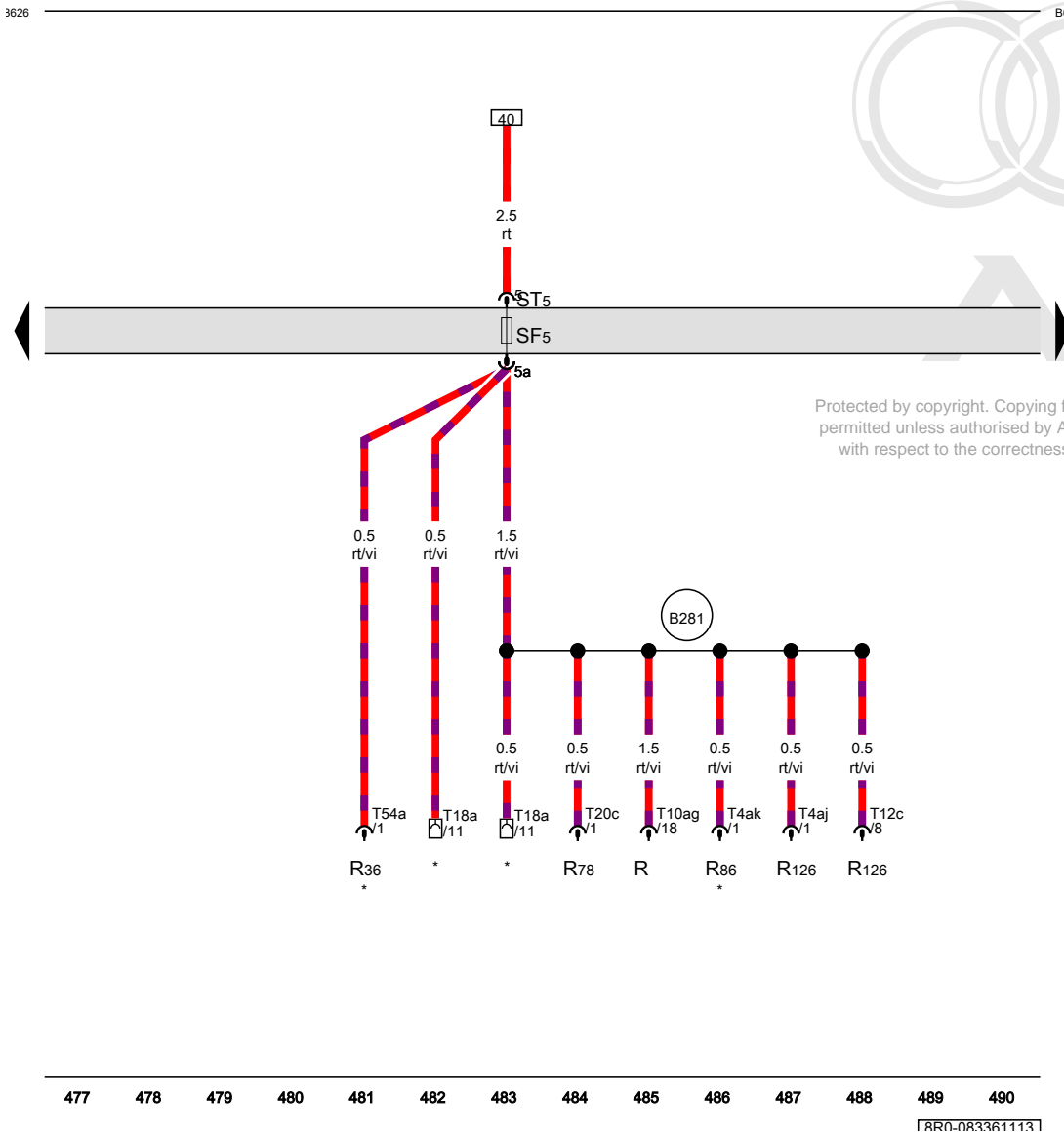


# Fuse panel 5

- R Radio
- R36 Telephone transceiver
- R78 TV tuner
- R86 Cellular telephone amplifier
- R126 Telephone baseplate
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T4aj 4-pin connector
- T4ak 4-pin connector
- T10ag 10-pin connector
- T12c 12-pin connector
- T18a 18-pin connector, black
- T20c 20-pin connector
- T54a 54-pin connector

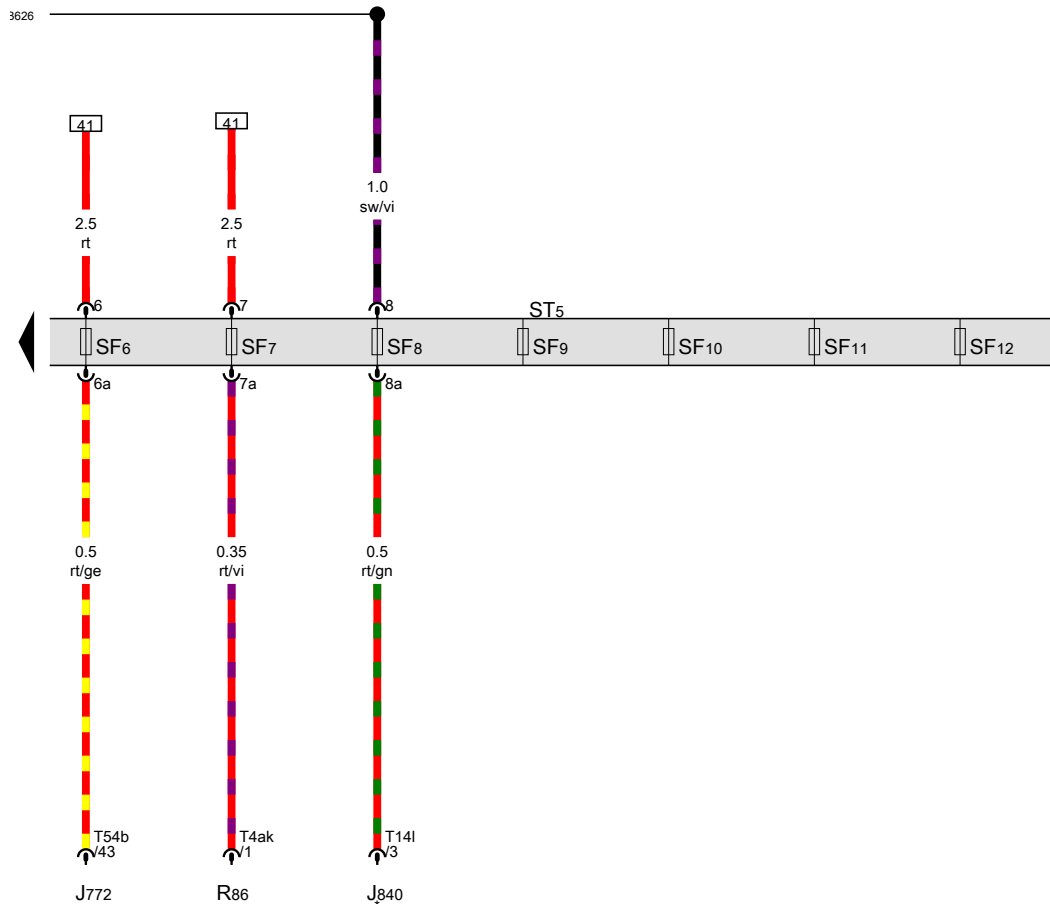
- B281 Positive connection 5 (15a) (in main wiring harness)
- B626 Positive connection 2 (15) (in main wiring harness)
- \* Depending on equipment

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[ARB-083361113]



## Fuse panel 5

- J772 Rearview camera system control module
- J840 Battery regulation control module
- R86 Cellular telephone amplifier
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T4ak 4-pin connector
- T14l 14-pin connector
- T54b 54-pin connector

**B626** Positive connection 2 (15) (in main wiring harness)

\* Refer to applicable high voltage system wiring diagram



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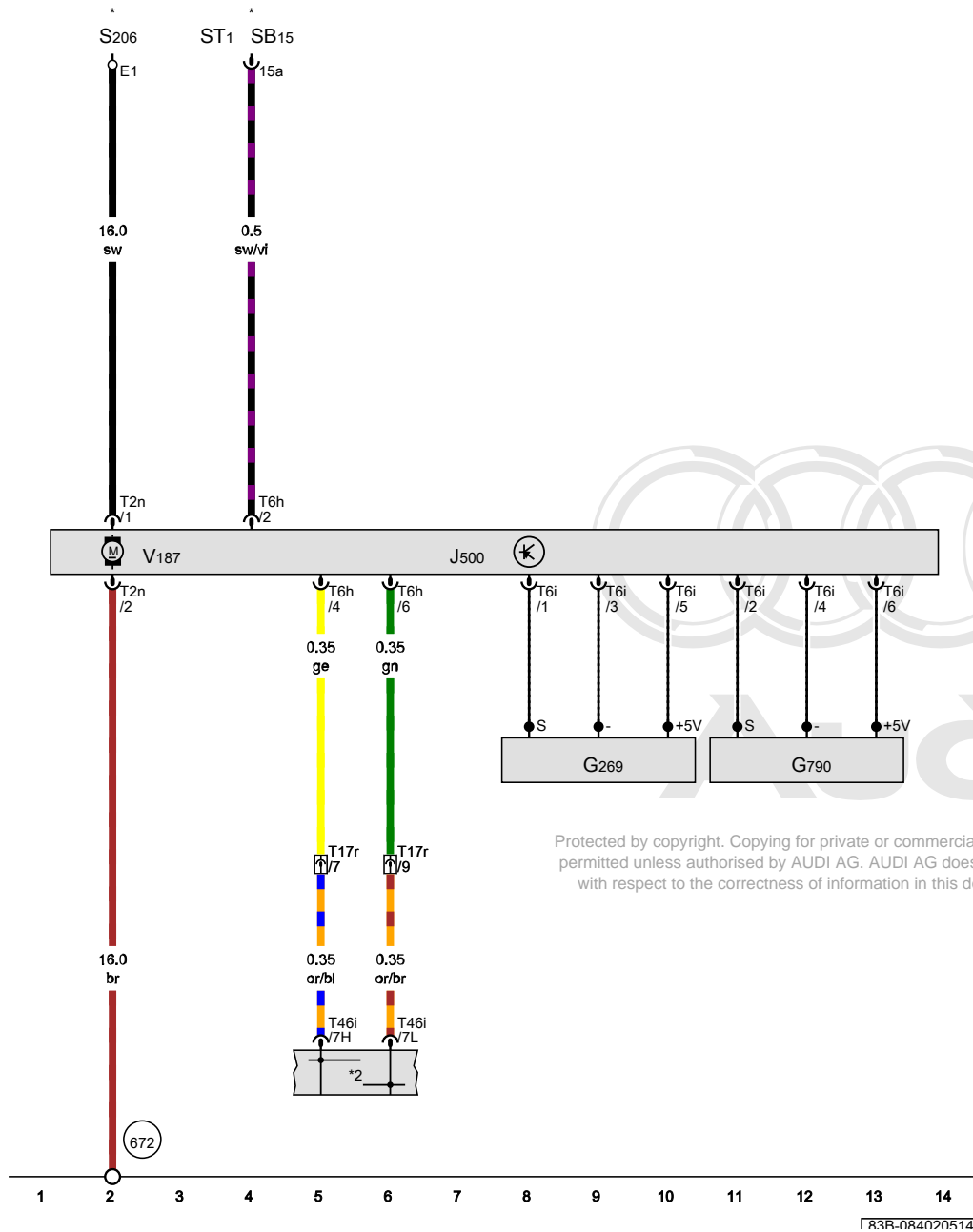
[ARB-083371113]

## Electromechanical steering

from June 2011



Steering torque sensor, Power steering control module, Electromechanical power steering motor



- G269 Steering torque sensor
- G790 Steering torque sensor 2
- J500 Power steering control module
- ST1 Fuse panel 1
- SB15 Fuse 15 (on fuse panel B)
- S206 Fuse 3 (terminal 30)
- T2n Double connector
- T6h 6-pin connector
- T6i 6-pin connector
- T17r 17-pin connector
- T46i 46-pin connector
- V187 Electromechanical power steering motor

672 Ground connection 2 on left front longitudinal member

\* Refer to applicable wiring diagram for fuse positions

\*2 Refer to the applicable CAN Bus network wiring diagram

**Standard equipment**  
from May 2012



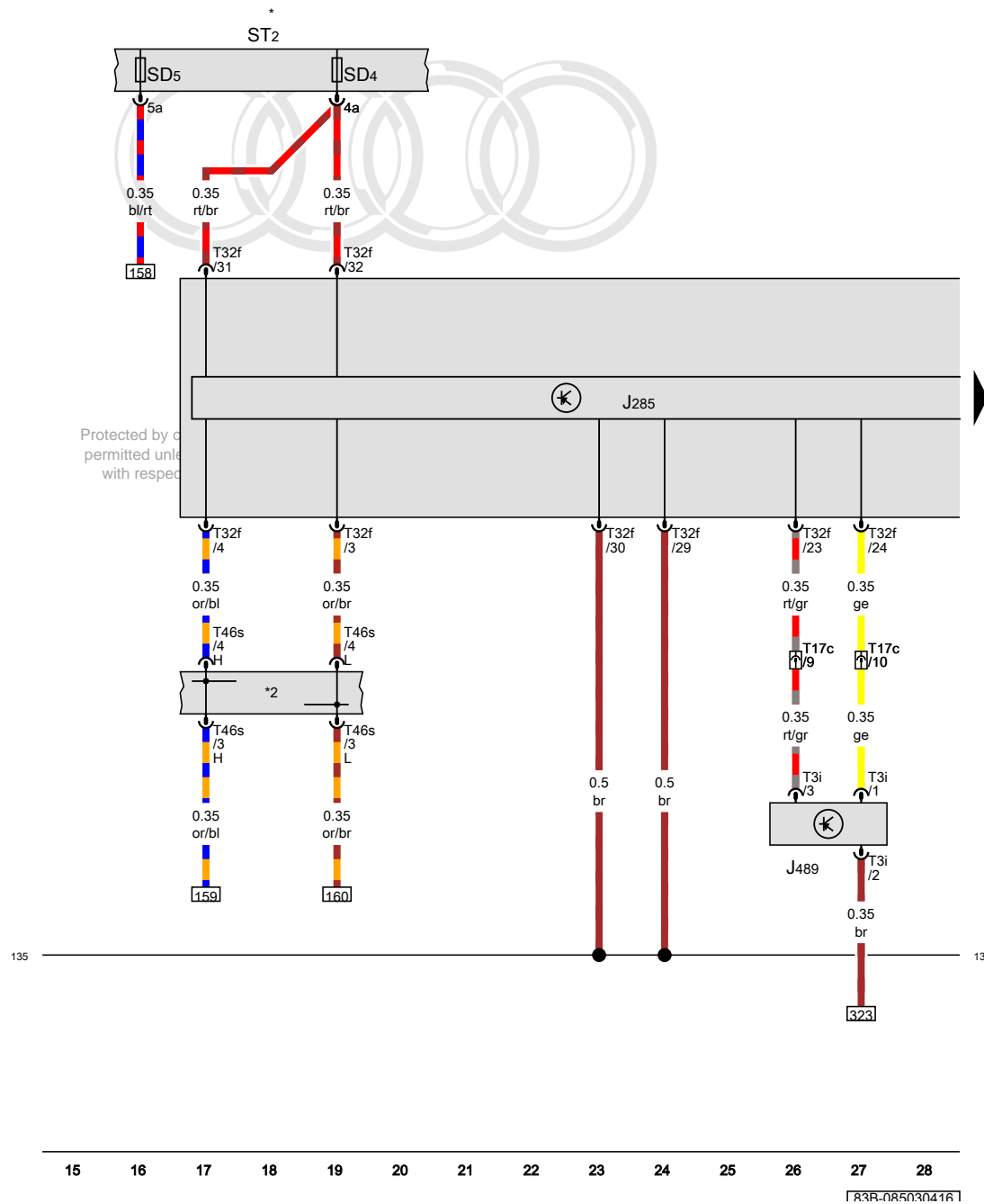
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\* Refer to applicable wiring diagram for fuse positions

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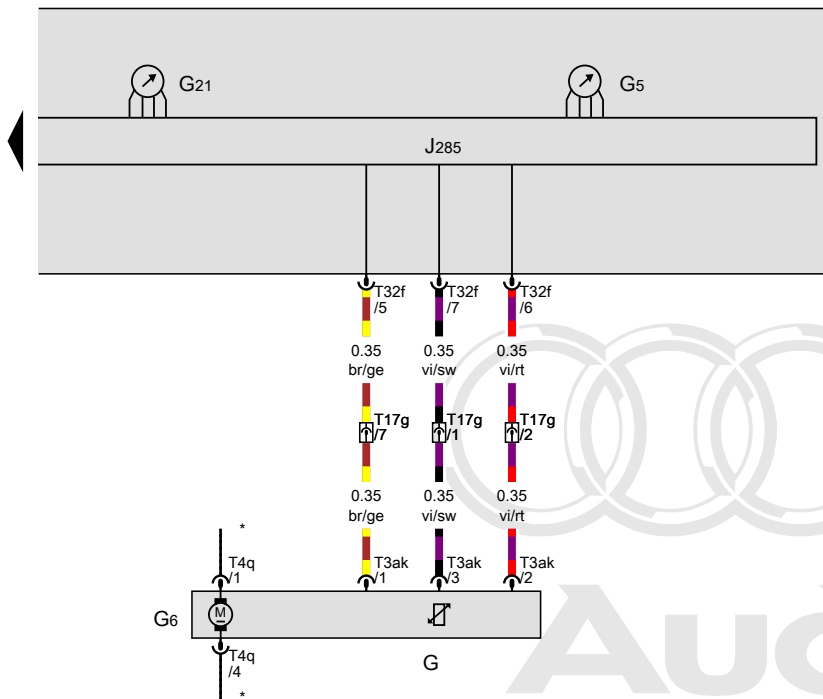
# Instrument cluster control module, Radio frequency controlled clock receiver

- J285 Instrument cluster control module
- J489 Radio frequency controlled clock receiver
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T3i 3-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- T32f 32-pin connector
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug

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Fuel level sensor, Transfer fuel pump, Instrument cluster control module

- G Fuel level sensor
- G5 Tachometer
- G6 Transfer fuel pump
- G21 Speedometer
- J285 Instrument cluster control module
- T3ak 3-pin connector
- T4q 4-pin connector
- T17g 17-pin connector, black
- T32f 32-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable engine wiring diagram



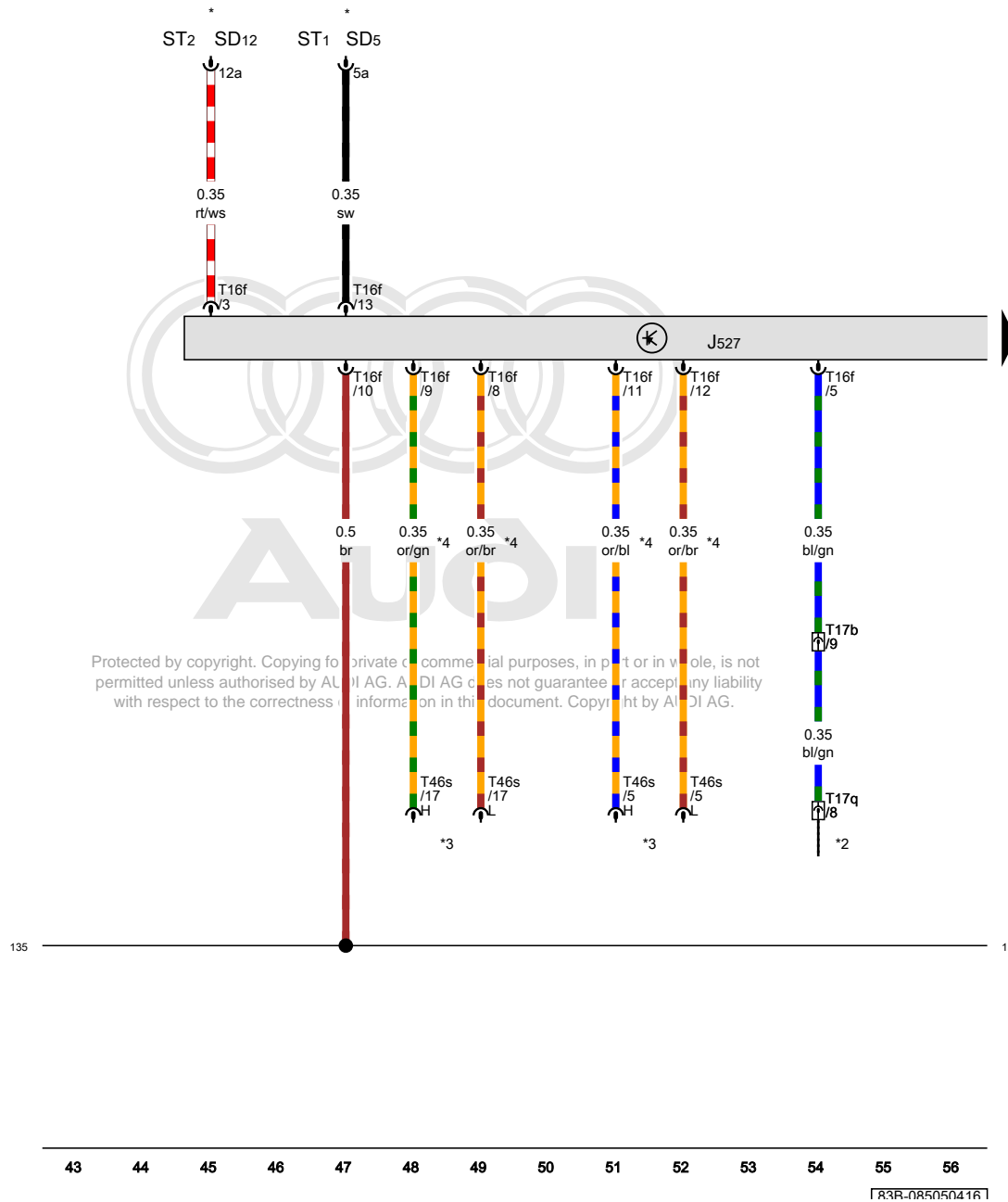
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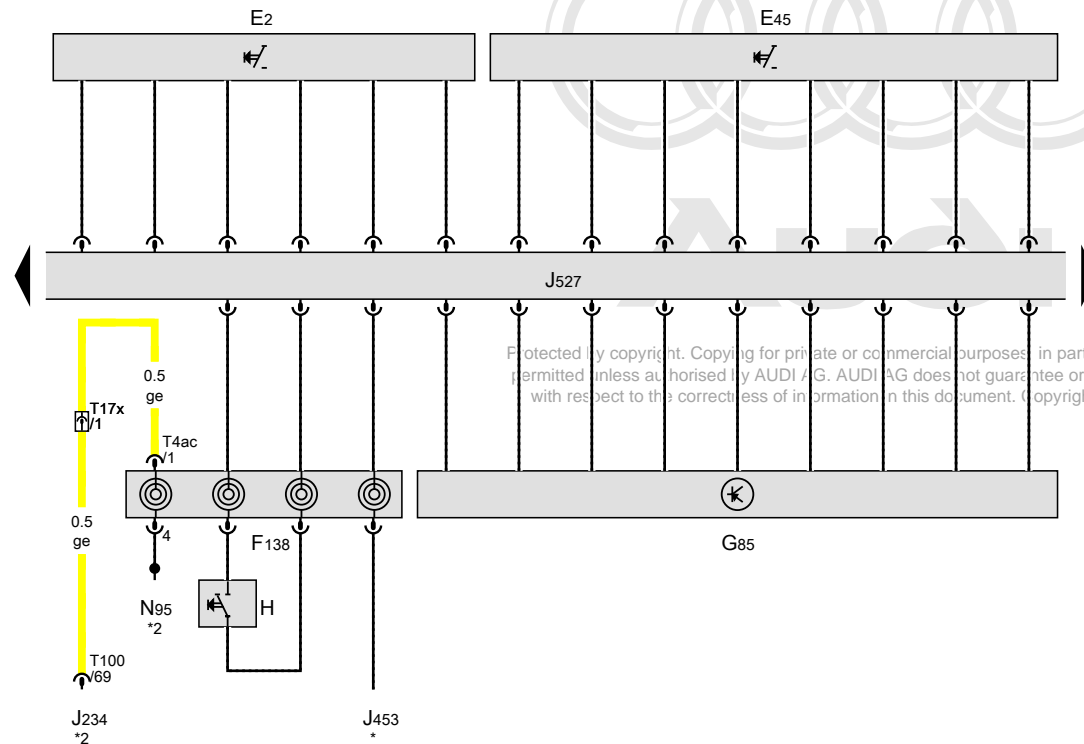


# Steering column electronics control module

- J527 Steering column electronics control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD5 Fuse 5 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T16f 16-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T17q 17-pin connector, in the E-box
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Front passenger connection bridge, brown
- \*4 Data bus wire (CAN bus)



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# Turn signal switch, Cruise control switch, Steering column electronics control module

- E2 Turn signal switch
- E45 Cruise control switch
- F138 Airbag spiral spring/return spring with slip ring
- G85 Steering angle sensor
- H Signal horn activation
- J234 Airbag control module
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- T4ac 4-pin connector
- T17x 17-pin connector
- T100 100-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

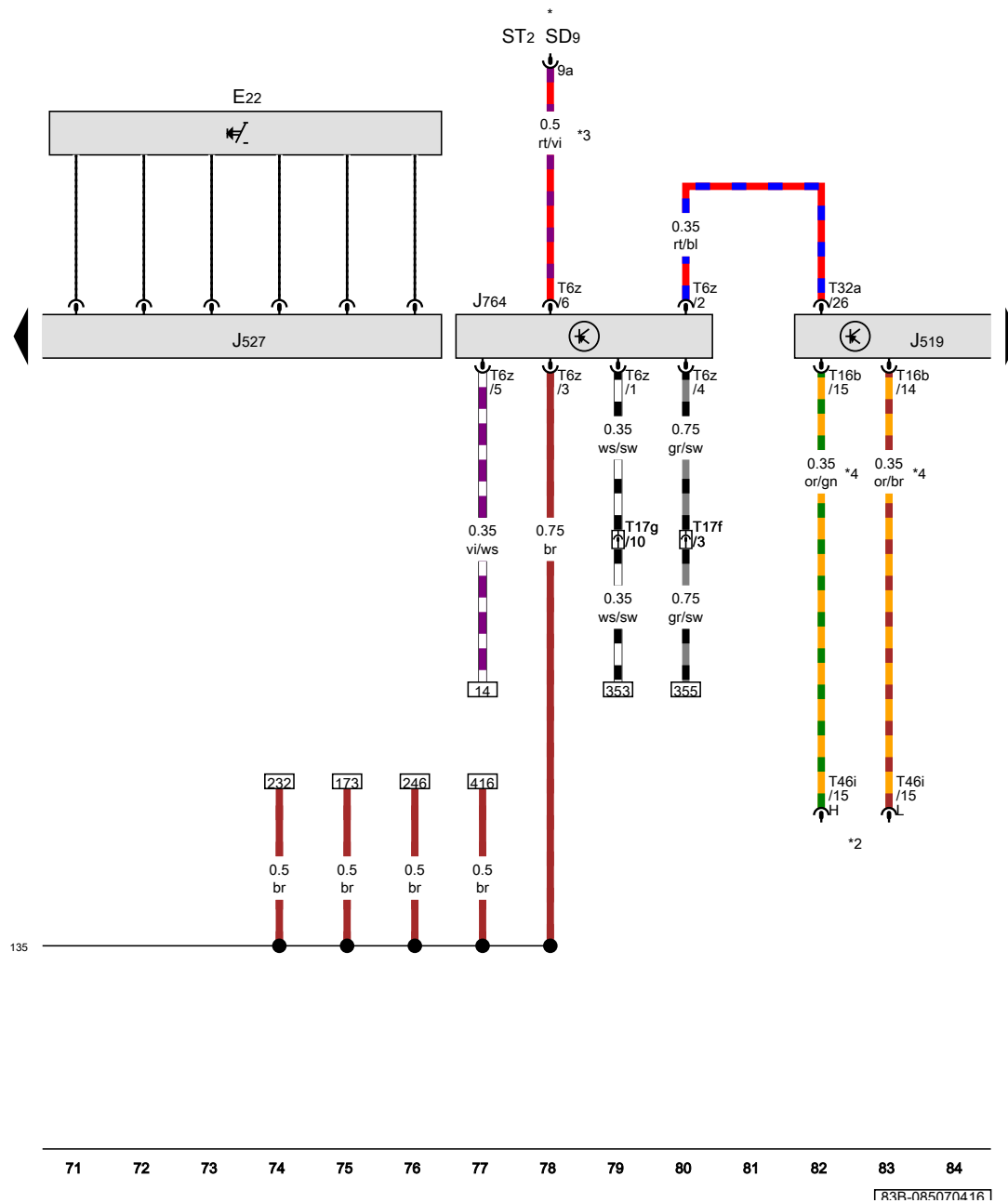
- \* Refer to applicable wiring diagram for multifunction steering wheel
- \*2 Refer to applicable airbag wiring diagram

135

- ws = white
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- br = brown
- gn = green
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- vi = lilac
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57 58 59 60 61 62 63 64 65 66 67 68 69 70

183B-0850604161



Windshield wiper intermittent mode switch, Steering column electronics control module, Electronic steering column lock control module

- E22 Windshield wiper intermittent mode switch
- J519 Vehicle electrical system control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD9 Fuse 9 (on fuse panel D)
- T6z 6-pin connector
- T16b 16-pin connector
- T17f 17-pin connector, brown
- T17g 17-pin connector, black
- T32a 32-pin connector
- T46i 46-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

\* Refer to applicable wiring diagram for fuse positions

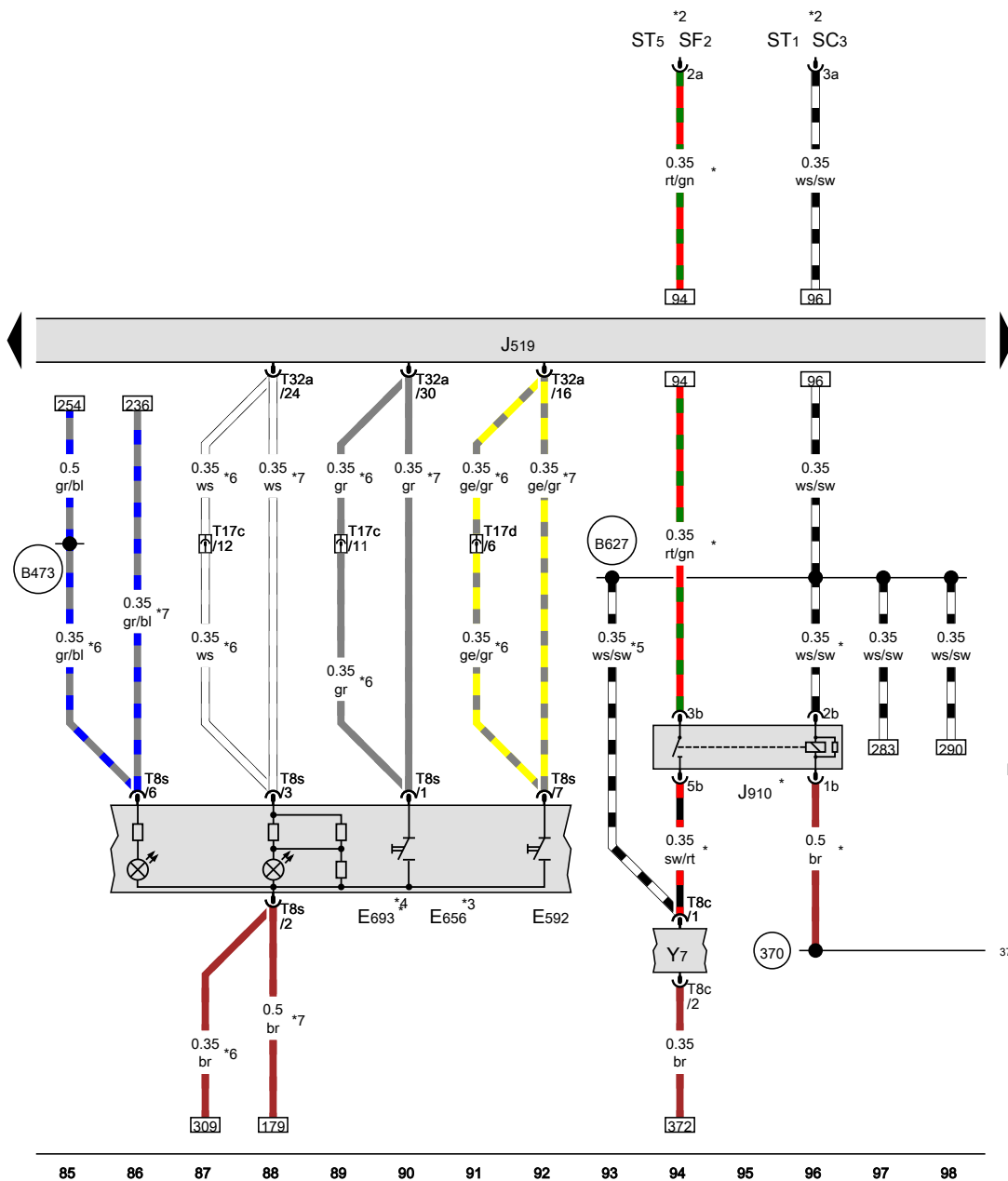
\*2 Driver connection bridge, brown

\*3 Diameter depends on equipment

\*4 Data bus wire (CAN bus)

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Driving profile selection switch module, Start/Stop mode button, Automatic dimming interior rearview mirror relay, Automatic dimming interior rearview mirror



- E592 Driving profile selection switch module
- E656 Electric drive button
- E693 Start/Stop mode button
- J519 Vehicle electrical system control module
- J910 Automatic dimming interior rearview mirror relay
- ST1 Fuse panel 1
- SF2 Fuse 2 (on fuse panel F)
- SC3 Fuse 3 (on fuse panel C)
- ST5 Fuse panel 5
- T8c 8-pin connector
- T8s 8-pin connector
- T17c 17-pin connector, black
- T17d 17-pin connector, brown
- T32a 32-pin connector
- Y7 Automatic dimming interior rearview mirror

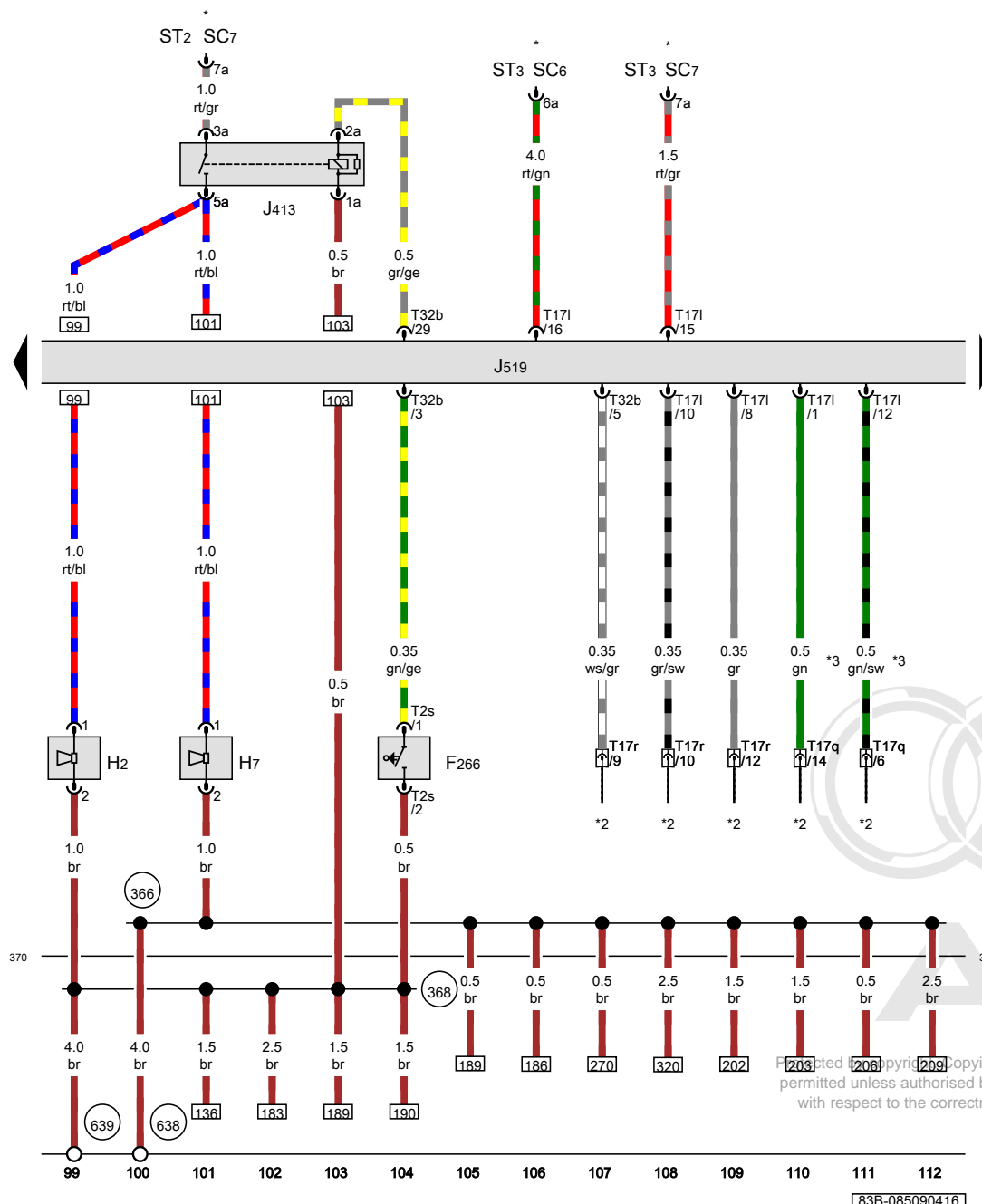
- 370 Ground connection 5 (in main wiring harness)
- B473 Connection 9 (in main wiring harness)
- B627 Positive connection 3 (15) (in main wiring harness)

- \* Only for vehicles with Start/Stop system
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 only for vehicles with hybrid drive
- \*4 Only for vehicles without hybrid drive
- \*5 Only for vehicles without Start/Stop system
- \*6 Only for vehicles with navigation system
- \*7 Only for vehicles without a navigation system

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183B-085080416



# Engine hood contact switch, High tone horn, Low tone horn, Horn relay

- F266 Engine hood contact switch
- H2 High tone horn
- H7 Low tone horn
- J413 Horn relay
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- ST3 Fuse panel 3
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- T2s 2-pin connector
- T171 17-pin connector
- T17q 17-pin connector, in the E-box
- T17r 17-pin connector, in the E-box
- T32b 32-pin connector

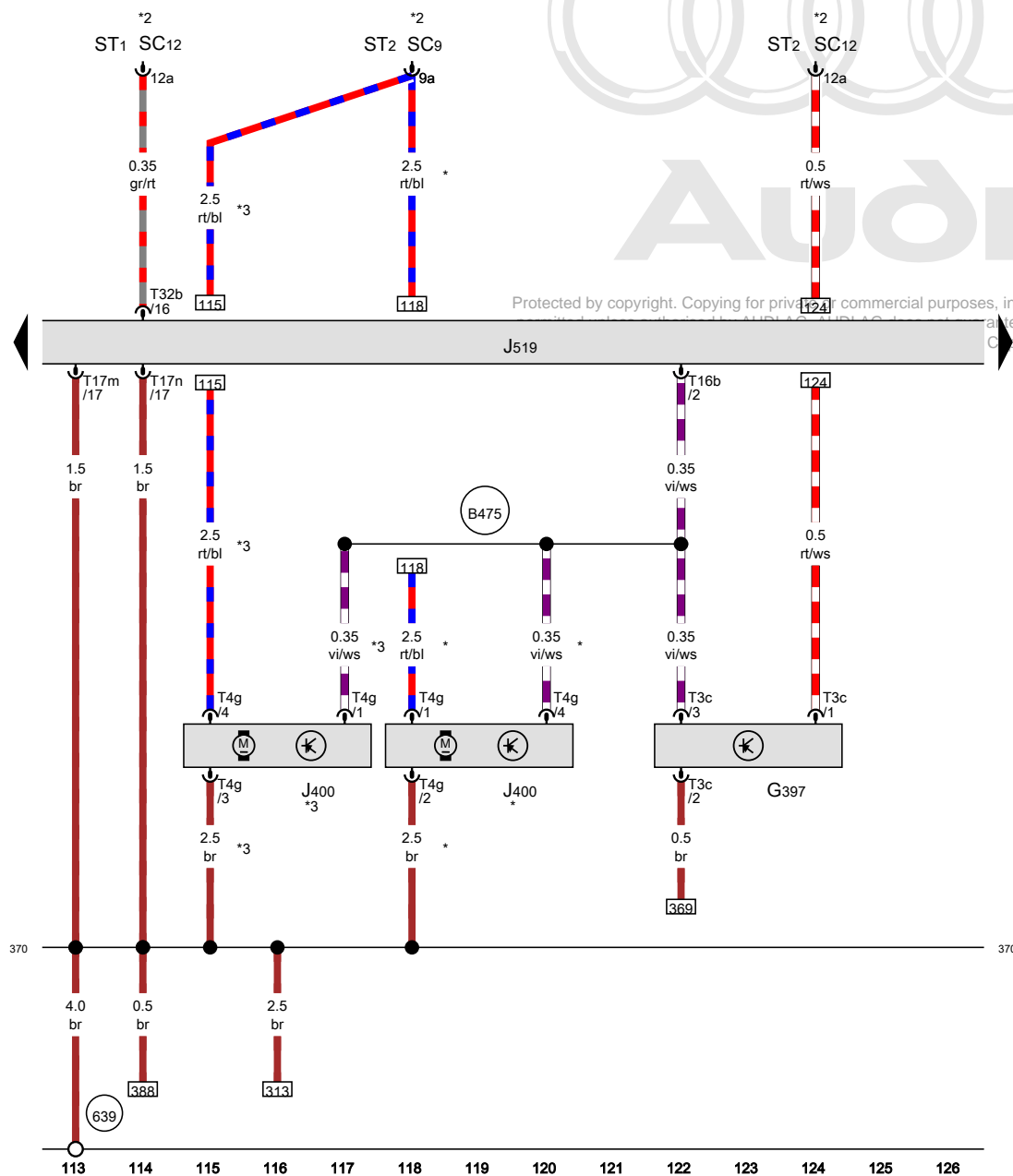
- 366 Ground connection 1 (in main wiring harness)
- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 638 Ground connection on right A-pillar
- 639 Ground connection on left A-pillar

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Diameter depends on equipment

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183B-0850904161



# Rain/light recognition sensor, Wiper motor control module

- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC9 Fuse 9 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T16b 16-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- T32b 32-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B475 Connection 11 (in main wiring harness)

- \* Only for right-hand drive vehicles
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Left-hand drive vehicles

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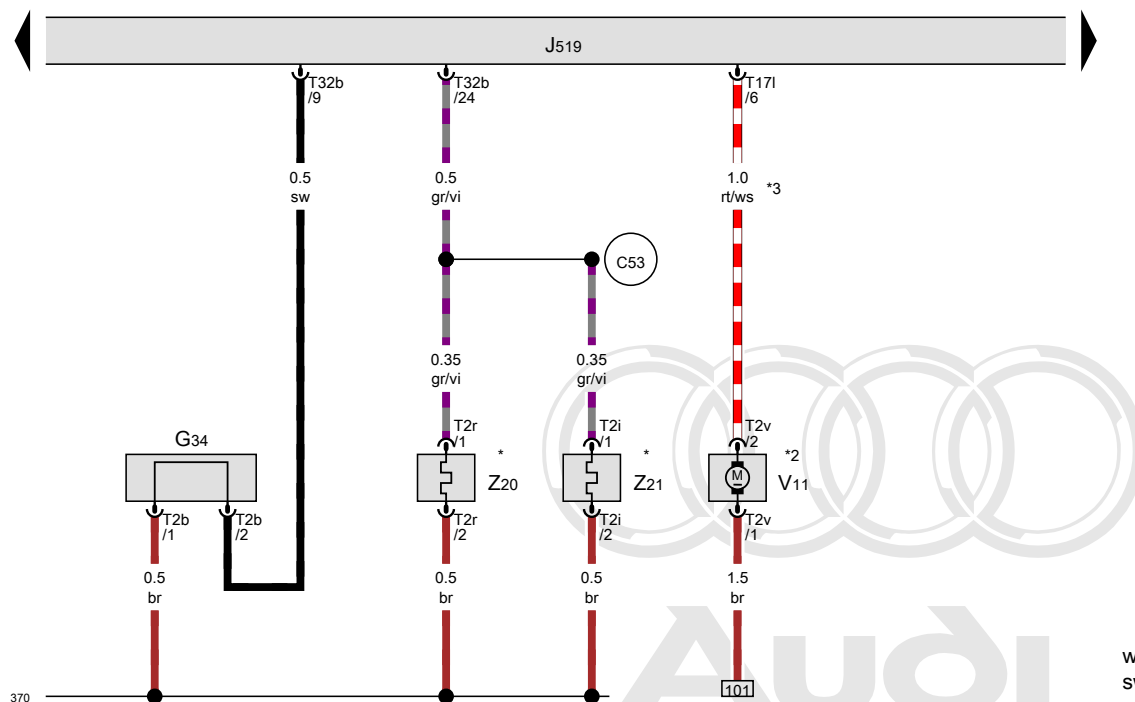
Left front brake pad wear sensor, Headlamp washer pump,  
Left washer nozzle heater, Right washer nozzle heater

- G34 Left front brake pad wear sensor
- J519 Vehicle electrical system control module
- T2b 2-pin connector
- T2i 2-pin connector
- T2r 2-pin connector
- T2v 2-pin connector
- T171 17-pin connector
- T32b 32-pin connector
- V11 Headlamp washer pump
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater

370 Ground connection 5 (in main wiring harness)

C53 Positive connection (x) (in heated spray nozzle wiring harness)

- \* Only for vehicles with spray nozzle heater
- \*2 Only for vehicles with a headlamp washer system
- \*3 Diameter depends on equipment

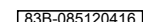


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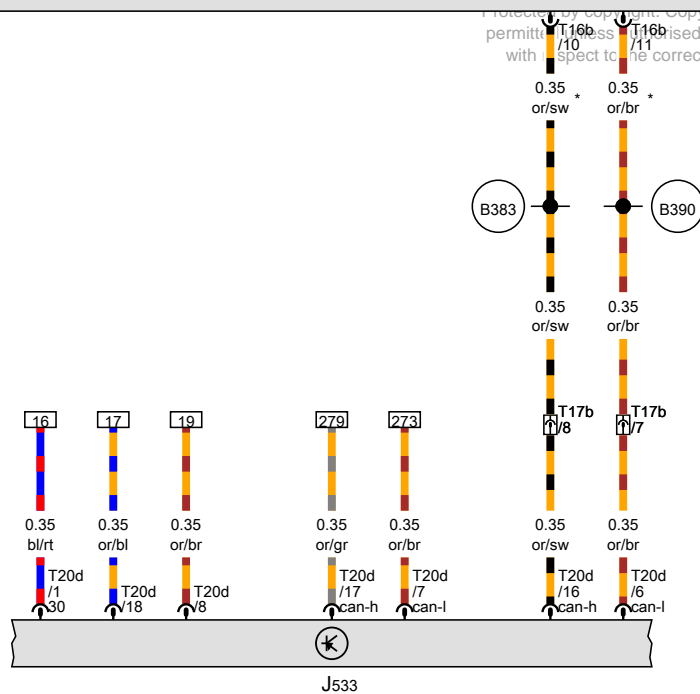
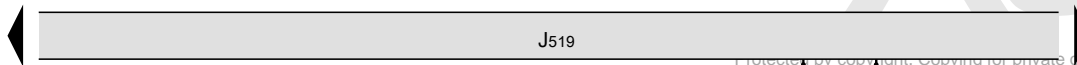
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[83B-085110416]





- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- T16b 16-pin connector
- T17b 17-pin connector, blue
- T20d 20-pin connector
- 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 automatic headlamp range control

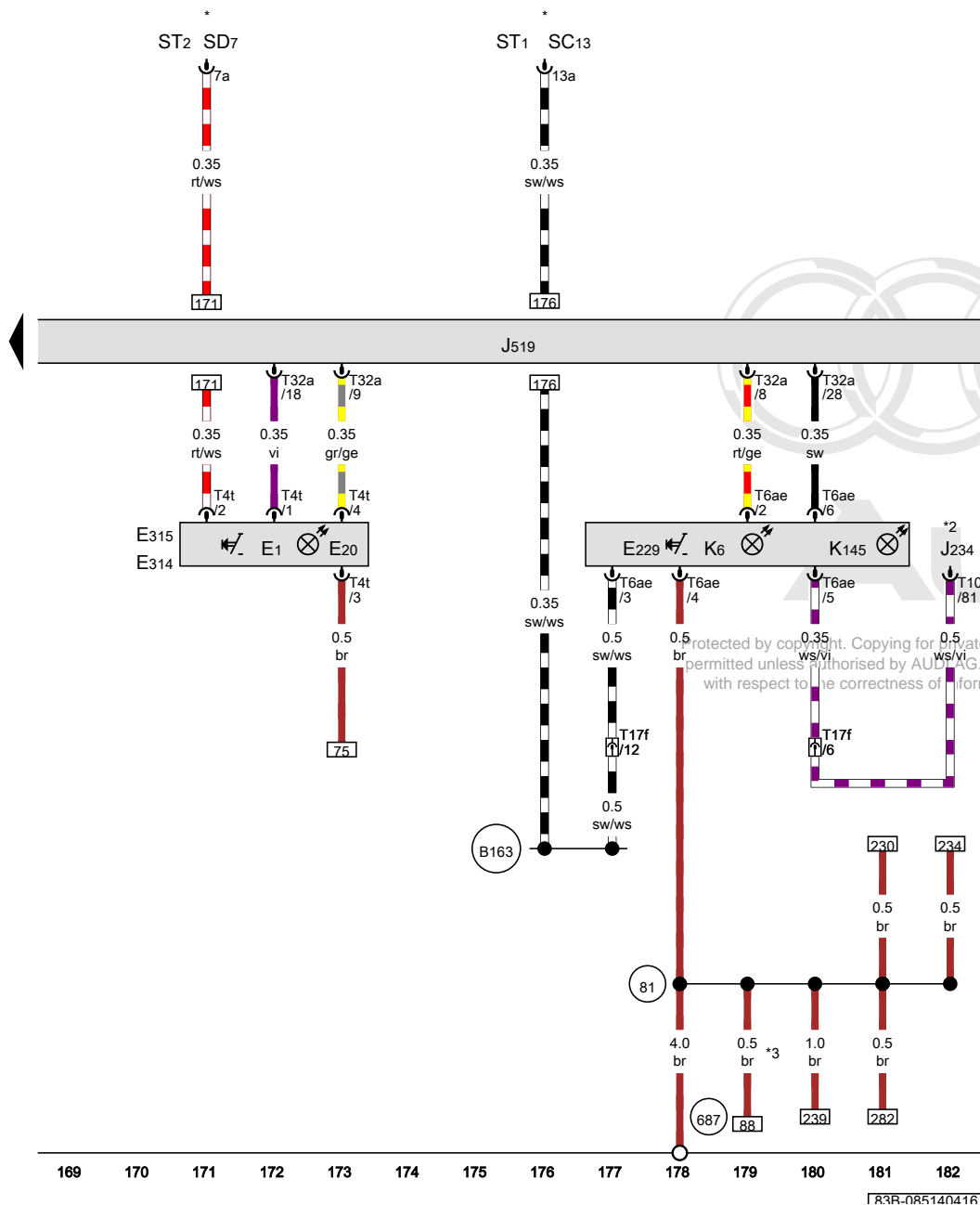


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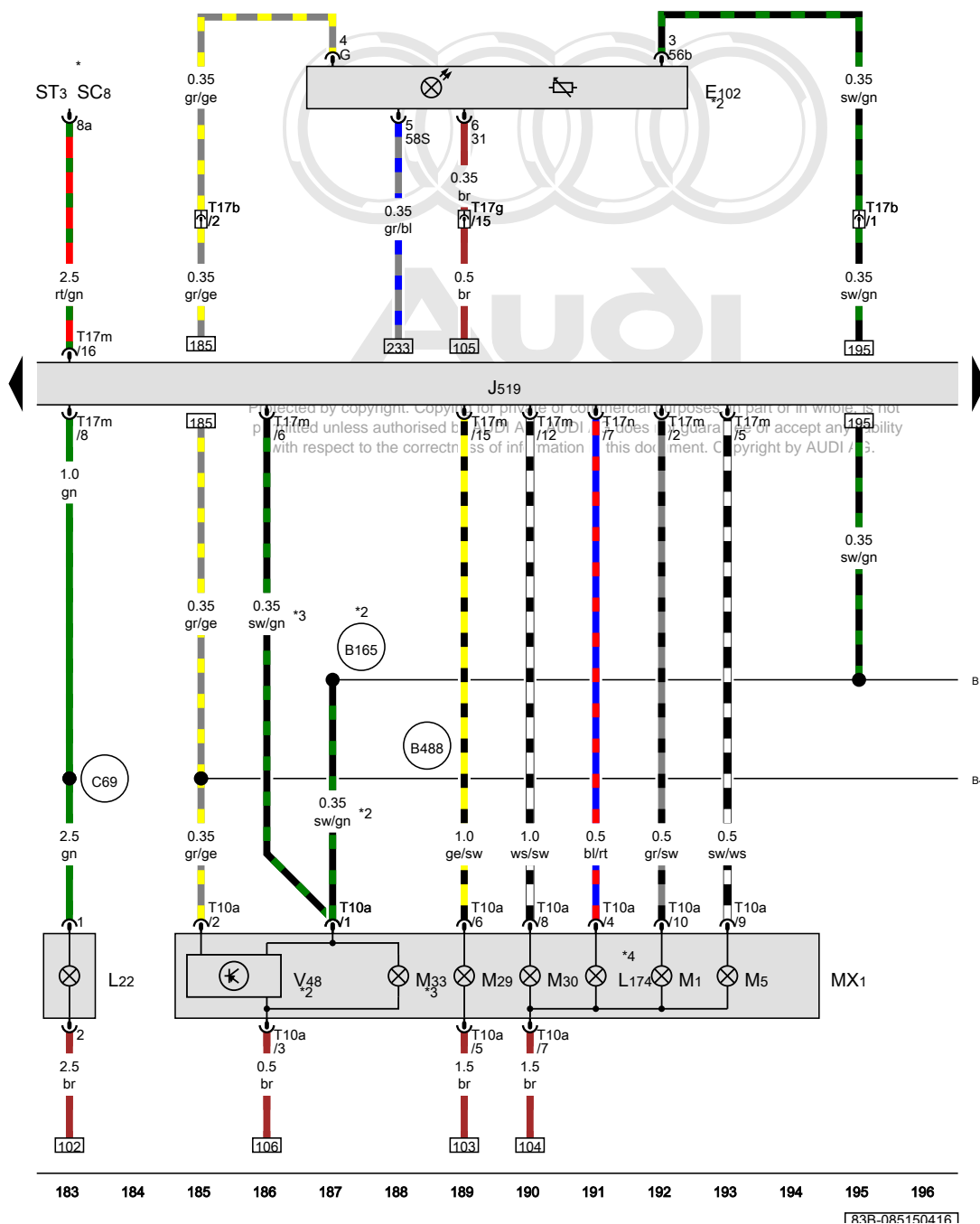
[83B-085130416]

Light switch, Emergency flasher button



- E1 Light switch
- E20 Instrument panel and switch illumination dimmer switch
- E229 Emergency flasher button
- E314 Rear fog lamp button
- E315 Fog lamp button
- J234 Airbag control module
- J519 Vehicle electrical system control module
- K6 Emergency flasher indicator lamp
- K145 Front passenger airbag -disabled- indicator lamp
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- SC13 Fuse 13 (on fuse panel C)
- T4t 4-pin connector
- T6ae 6-pin connector
- T17f 17-pin connector, brown
- T32a 32-pin connector
- T100 100-pin connector
- 81 Ground connection 1 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B163 Positive connection 1 (15) (in interior wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable airbag wiring diagram
- \*3 Only for vehicles without a navigation system

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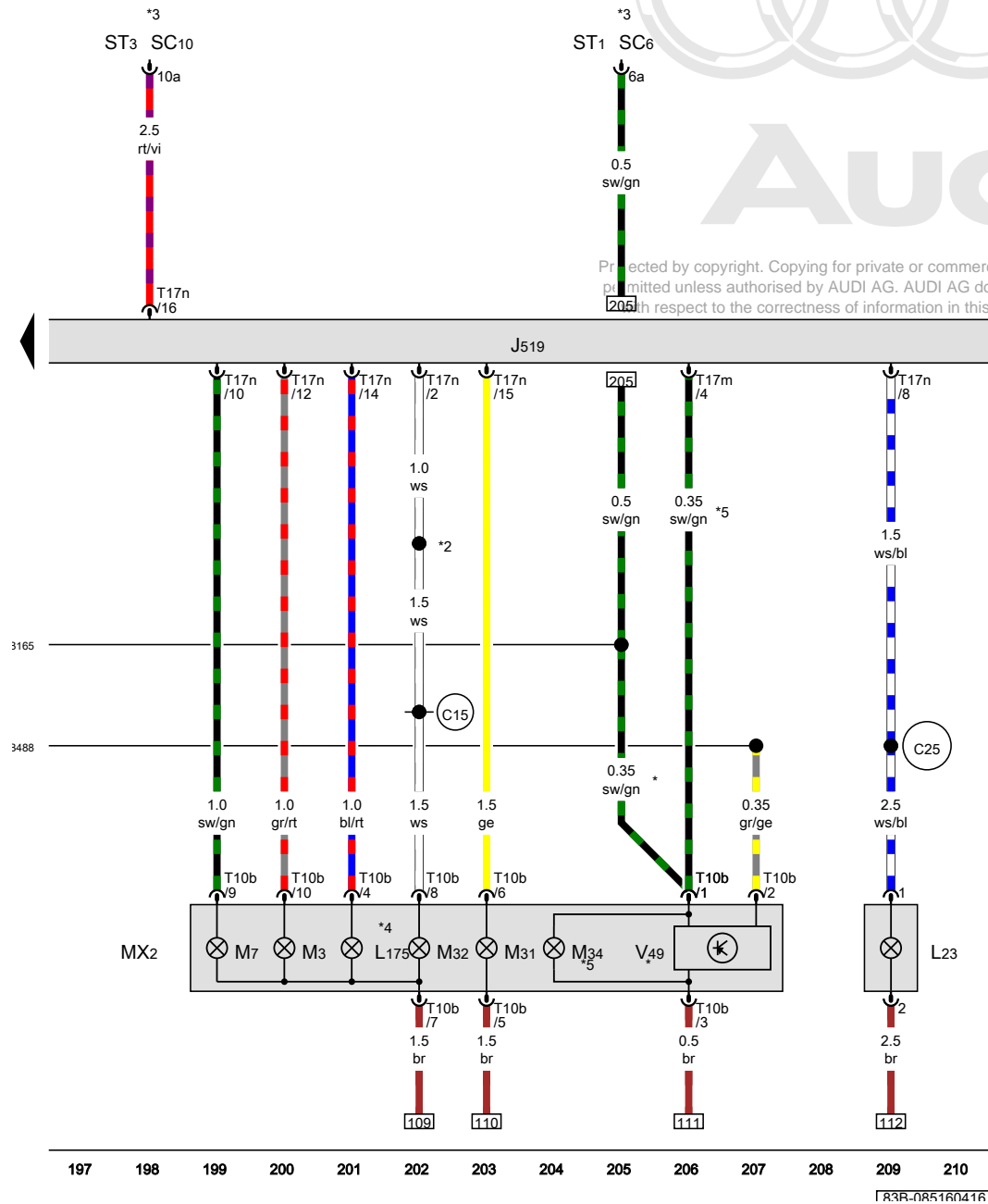
## Left front headlamp

- E102 Headlamp range control adjuster
- J519 Vehicle electrical system control module
- L22 Left front fog lamp bulb
- L174 Left daytime running lamp bulb
- M1 Left position lamp bulb
- MX1 Left front headlamp
- M5 Left front turn signal bulb
- M29 Left low beam headlamp bulb
- M30 Left high beam headlamp bulb
- M33 Left front side marker lamp bulb
- ST3 Fuse panel 3
- SC8 Fuse 8 (on fuse panel C)
- T10a 10-pin connector
- T17b 17-pin connector, in the left A-pillar connector station
- T17g 17-pin connector, black
- T17m 17-pin connector
- T17n 17-pin connector
- V48 Left headlamp beam adjustment motor

- B165 Positive connection 2 (15) (in interior wiring harness)
- B488 Connection 24 (in main wiring harness)
- C69 Fog lamp connection (in left front wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles without US equipment
- \*3 Only for vehicles with US equipment
- \*4 Only for vehicles with daytime running lamps

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## Right front headlamp

- J519 Vehicle electrical system control module
- L23 Right front fog lamp bulb
- L175 Right daytime running lamp bulb
- MX2 Right front headlamp
- M3 Right position lamp bulb
- M7 Right front turn signal bulb
- M31 Right low beam headlamp bulb
- M32 Right high beam headlamp bulb
- M34 Right front side marker lamp bulb
- ST1 Fuse panel 1
- ST3 Fuse panel 3
- SC6 Fuse 6 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- T10b 10-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- V49 Right headlamp beam adjustment motor

B165 Positive connection 2 (15) (in interior wiring harness)

B488 Connection 24 (in main wiring harness)

C15 Connection 1 (in headlamp wiring harness)

C25 Fog lamp connection (in front lighting wiring harness)

\* Only for vehicles without US equipment

\*2 from November 2012

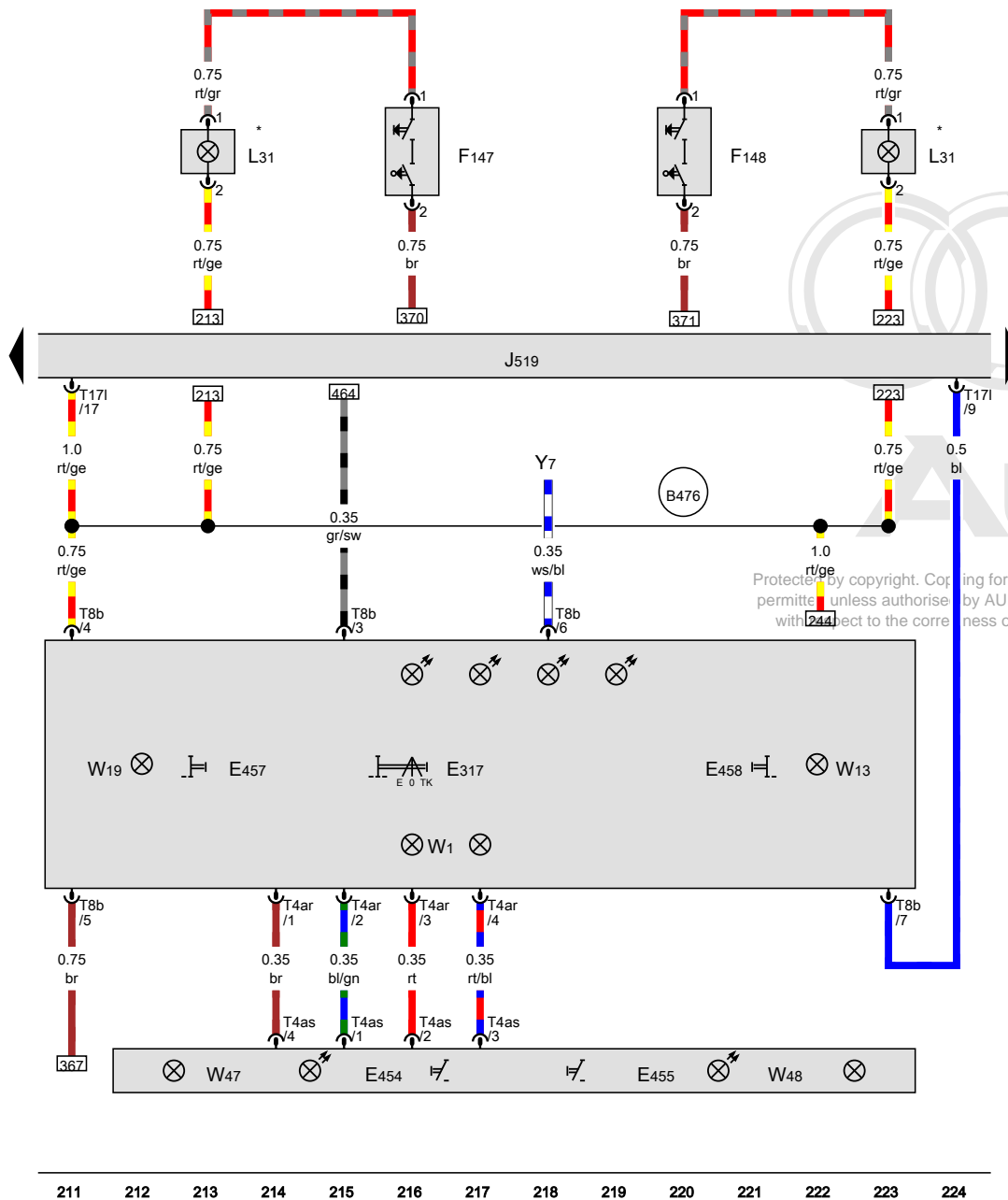
\*3 Refer to applicable wiring diagram for fuse positions

\*4 Only for vehicles with daytime running lamps

\*5 Only for vehicles with US equipment

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Left rear reading lamp switch, Vanity mirror illumination bulb, Front interior lamp, Right rear interior lamp



- E317 Interior lighting switch
- E454 Left rear reading lamp switch
- E455 Right rear reading lamp switch 1
- E457 Driver reading lamp button
- E458 Front passenger reading lamp button
- F147 Driver vanity mirror lamp contact switch
- F148 Front passenger vanity mirror lamp contact switch
- J519 Vehicle electrical system control module
- L31 Vanity mirror illumination bulb
- T4ar 4-pin connector
- T4as 4-pin connector
- T8b 8-pin connector
- T17l 17-pin connector
- W1 Front interior lamp
- W13 Front passenger reading lamp
- W19 Driver reading lamp
- W47 Left rear interior lamp
- W48 Right rear interior lamp
- Y7 Automatic dimming interior rearview mirror

B476 Connection 12 (in main wiring harness)

\* Depending on equipment

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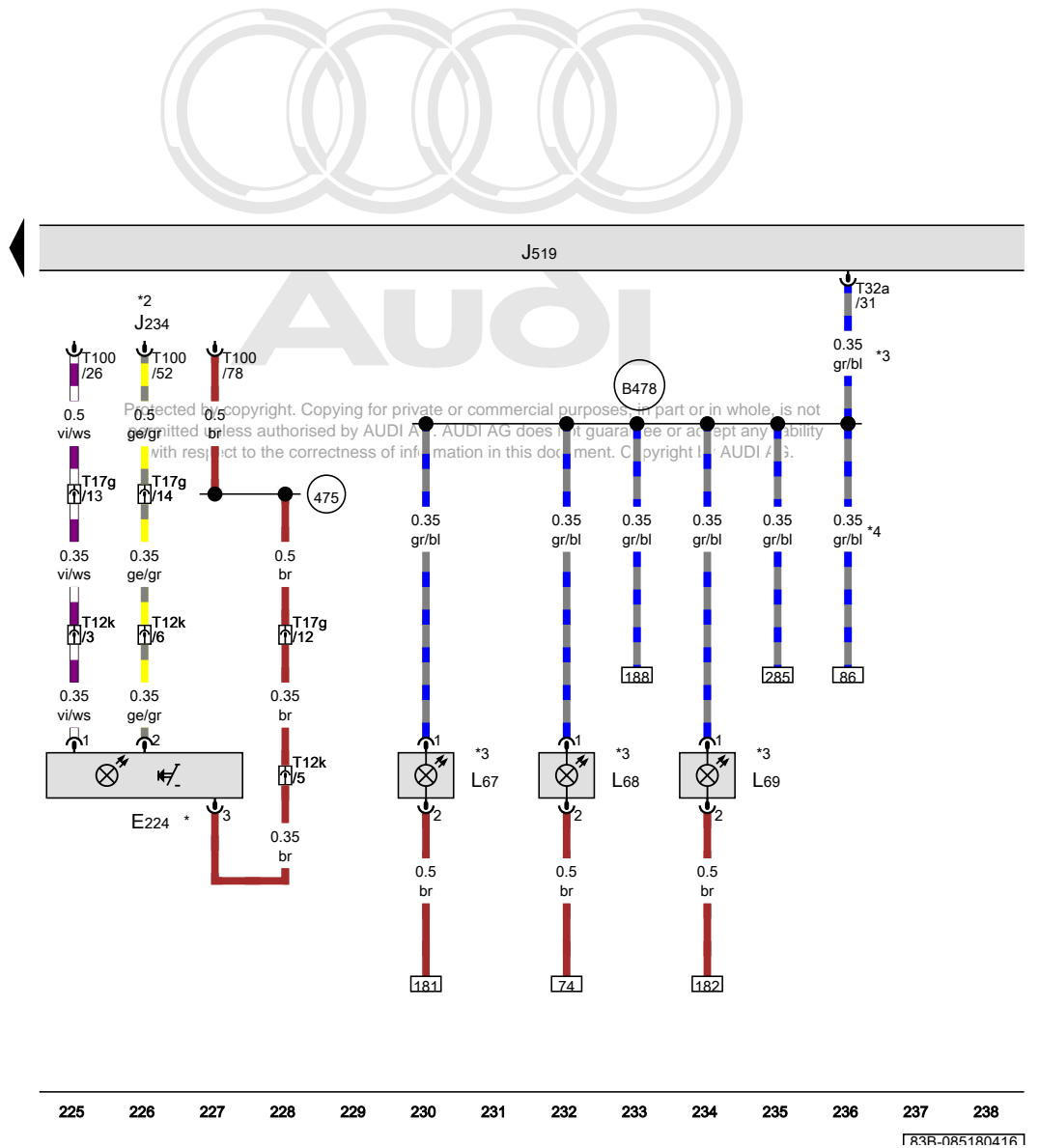
# Front passenger airbag deactivation key switch

- E224 Front passenger airbag deactivation key switch
- J234 Airbag control module
- J519 Vehicle electrical system control module
- L67 Left instrument panel vent illumination bulb
- L68 Center instrument panel vent illumination bulb
- L69 Right instrument panel vent illumination bulb
- T12k 12-pin connector
- T17g 17-pin connector, black
- T32a 32-pin connector
- T100 100-pin connector

475 Airbag ground connection (in main wiring harness)

B478 Connection 14 (in main wiring harness)

- \* Only on vehicles with front passenger airbag deactivation key switch
- \*2 Refer to applicable airbag wiring diagram
- \*3 Depending on equipment
- \*4 Only for vehicles without a navigation system

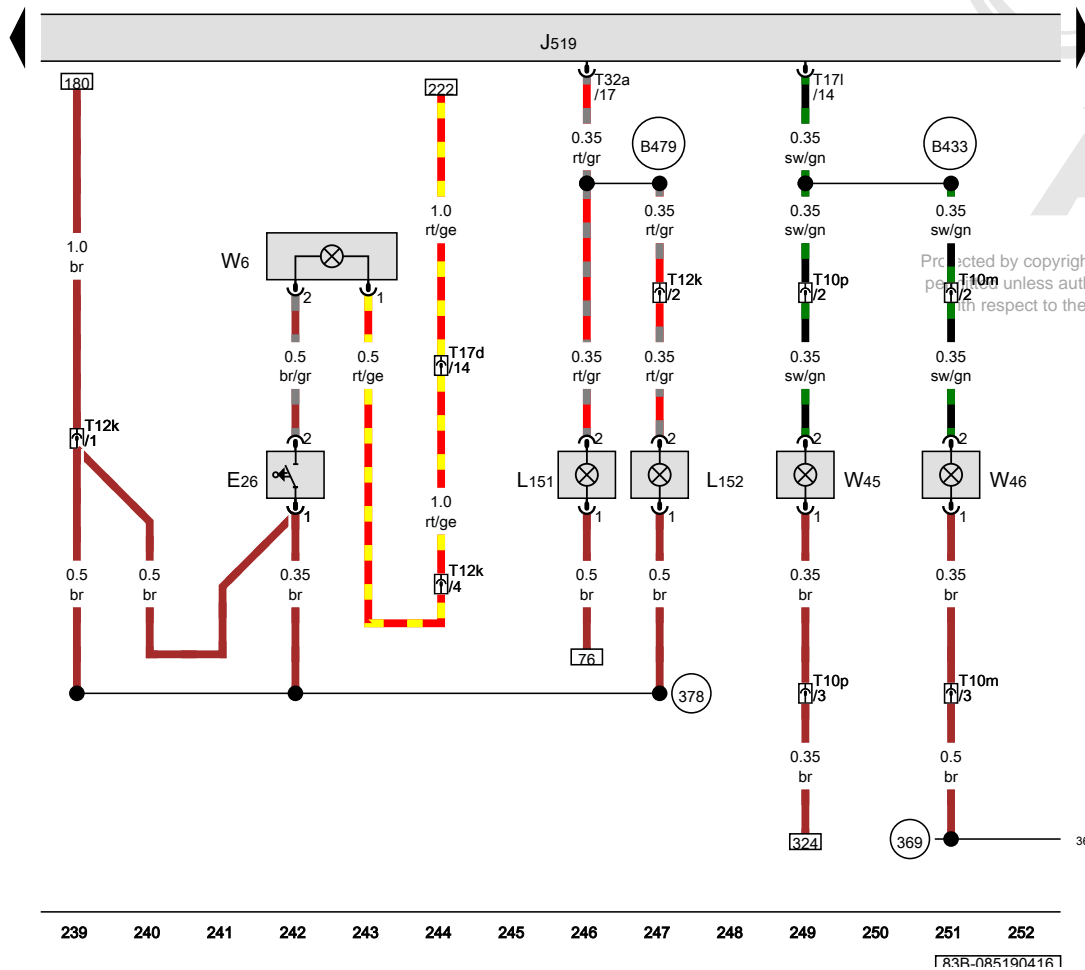


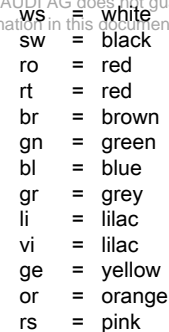
Glove compartment lamp switch, Left front footwell illumination bulb, Right front footwell illumination bulb, Glove compartment lamp

- E26 Glove compartment lamp switch
- J519 Vehicle electrical system control module
- L151 Left front footwell illumination bulb
- L152 Right front footwell illumination bulb
- T10m 10-pin connector, Coupling point under the front passenger seat
- T10p 10-pin connector, near the driver seat
- T12k 12-pin connector
- T17d 17-pin connector, brown
- T17i 17-pin connector
- T32a 32-pin connector
- W6 Glove compartment lamp
- W45 Left rear footwell lamp
- W46 Right rear footwell lamp

- 369 Ground connection 4 (in main wiring harness)
- 378 Ground connection 13 (in main wiring harness)
- B433 Footwell illumination connection (in main wiring harness)
- B479 Connection 15 (in main wiring harness)

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### Distance regulation control module

- J428 Distance regulation control module
- J519 Vehicle electrical system control module
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- SC9 Fuse 9 (on fuse panel C)
- T8a 8-pin connector
- T12h 12-pin connector
- T16v 16-pin connector
- T17f 17-pin connector, brown

B108 CAN bus extended high connection 1 (in main wiring harness)

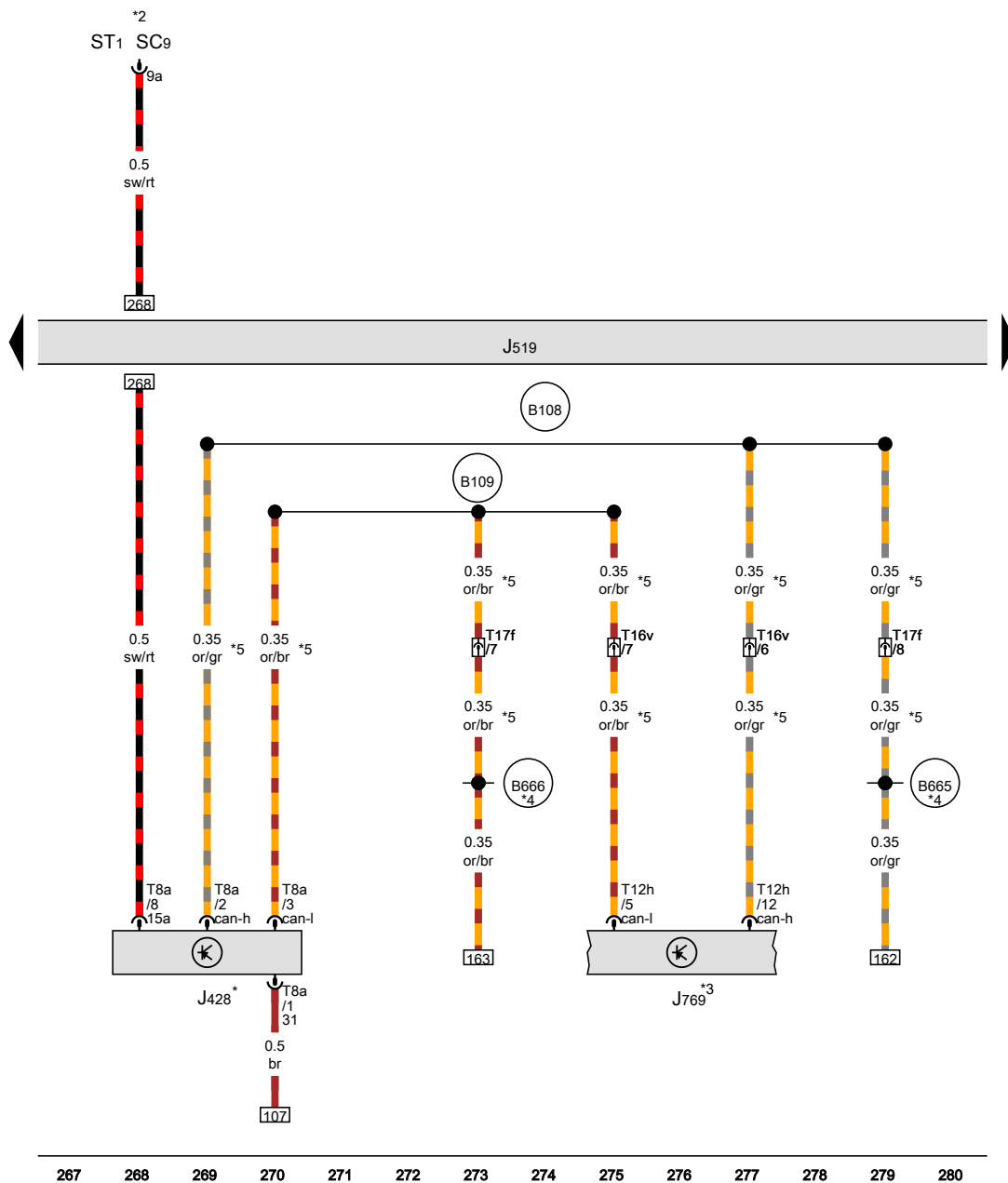
B109 CAN bus extended low connection 1 (in main wiring harness)

B665 CAN bus extended high connection 1 (in instrument panel wiring harness)

B666 CAN bus extended low connection 1 (in instrument panel wiring harness)

- \* Only for vehicles with adaptive cruise control (ACC)
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Only for vehicles with lane assist
- \*4 Depending on equipment
- \*5 Data bus wire (CAN bus)

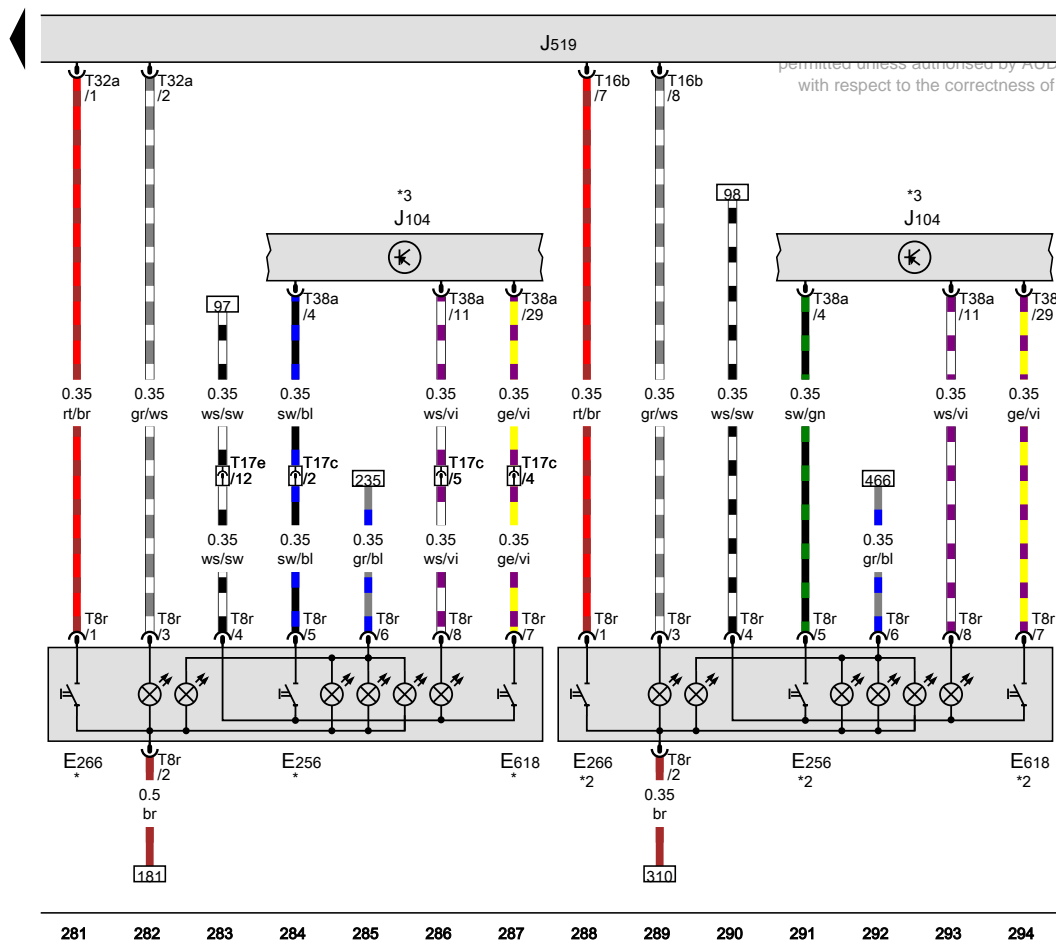
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183B-0852104161

ASR/ESP button, Parking aid button, Hill descent control button

- E256 ASR/ESP button
- E266 Parking aid button
- E618 Hill descent control button
- J104 ABS control module
- J519 Vehicle electrical system control module
- T8r 8-pin connector
- T16b 16-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- T17e 17-pin connector
- T32a 32-pin connector
- T38a 38-pin connector
- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system
- \*3 Refer to applicable wiring diagram for ABS



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

183B-0852204161

Access/start authorization button, Comfort system central control module

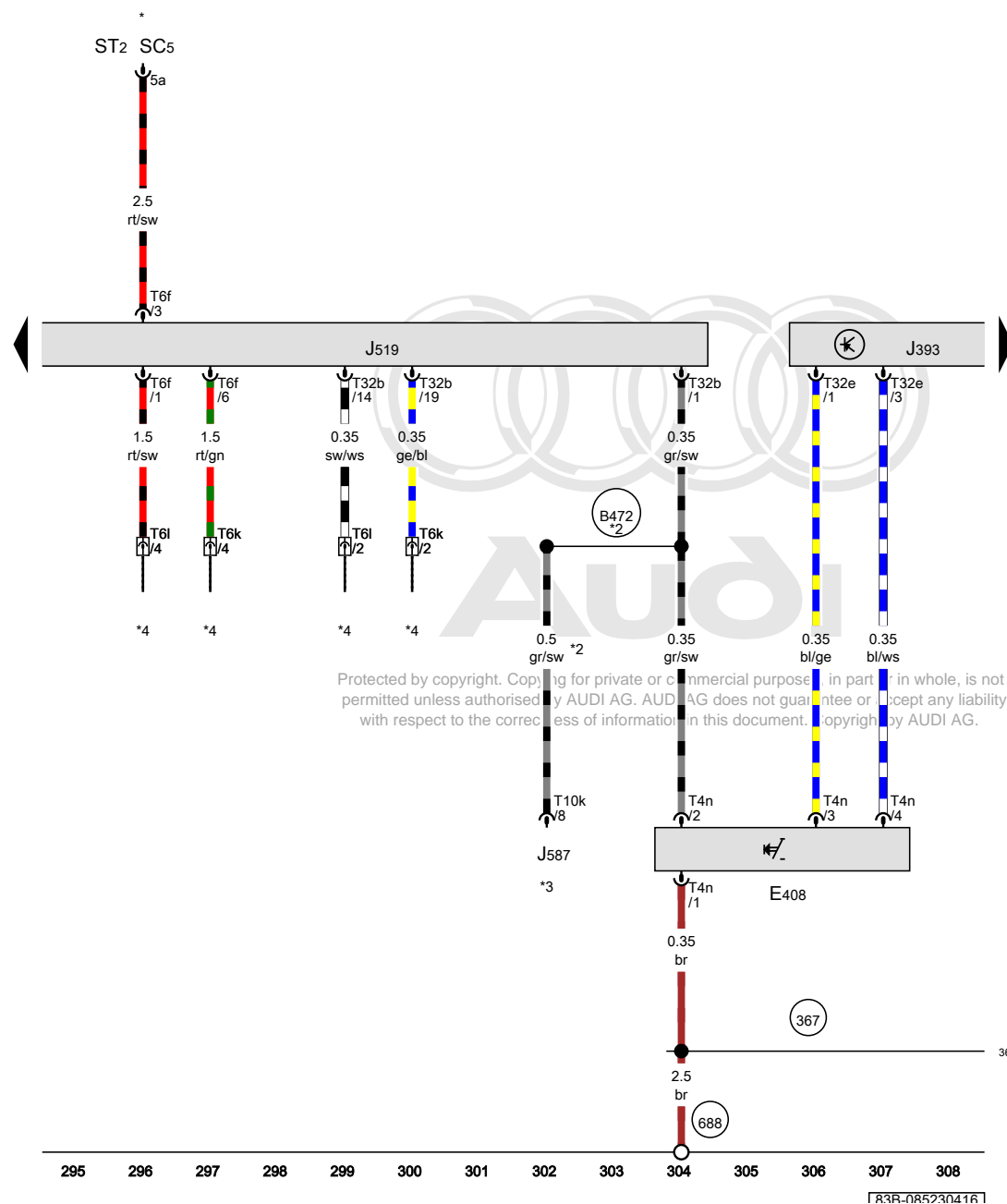
- E408 Access/start authorization button
- J393 Comfort system central control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- ST2 Fuse panel 2
- SC5 Fuse 5 (on fuse panel C)
- T4n 4-pin connector
- T6f 6-pin connector
- T6k 6-pin connector, Coupling point under the front passenger seat
- T6l 6-pin connector, near the driver seat
- T10k 10-pin connector
- T32b 32-pin connector
- T32e 32-pin connector

367 Ground connection 2 (in main wiring harness)

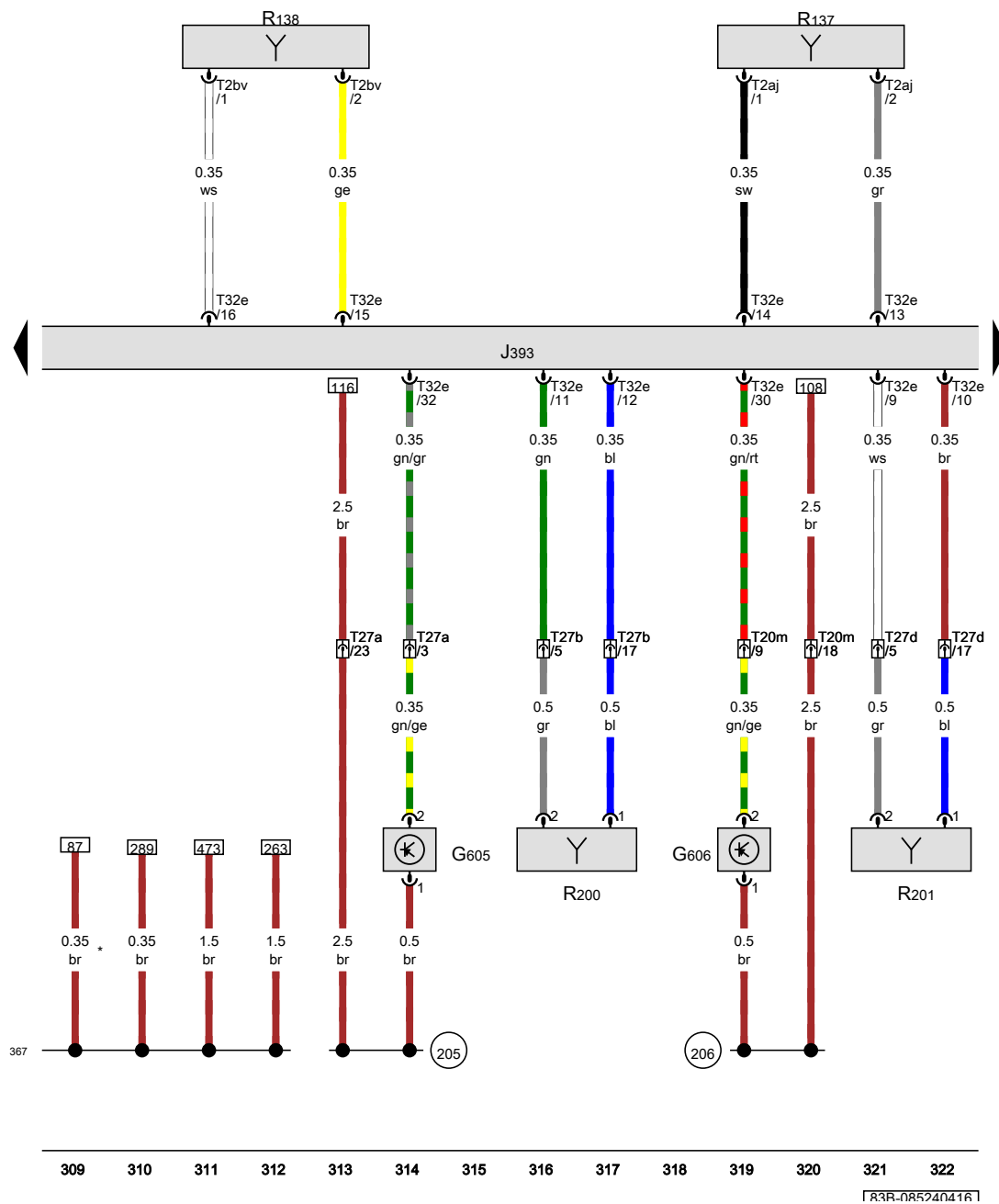
688 Ground connection 2 on center tunnel

B472 Connection 8 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with automatic transmission
- \*3 Refer to applicable wiring diagram for automatic transmission
- \*4 Refer to the applicable heated seats wiring diagram



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



Left front exterior door handle touch sensor, Right front exterior door handle touch sensor, Comfort system central control module, Left access/start authorization antenna

- G605 Left front exterior door handle touch sensor
- G606 Right front exterior door handle touch sensor
- J393 Comfort system central control module
- R137 Access/start system antenna in luggage compartment
- R138 Access/start system antenna 1 in vehicle interior
- R200 Left access/start authorization antenna
- R201 Right access/start authorization antenna
- T2aj 2-pin connector
- T2bv 2-pin connector
- T20m 20-pin connector, on the right A-pillar
- T27a 27-pin connector, on the left A-pillar
- T27b 27-pin connector, on the left B-pillar
- T27d 27-pin connector, on the right B-pillar
- T32e 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 206 Ground connection (in front passenger door wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- \* Only for vehicles with navigation system

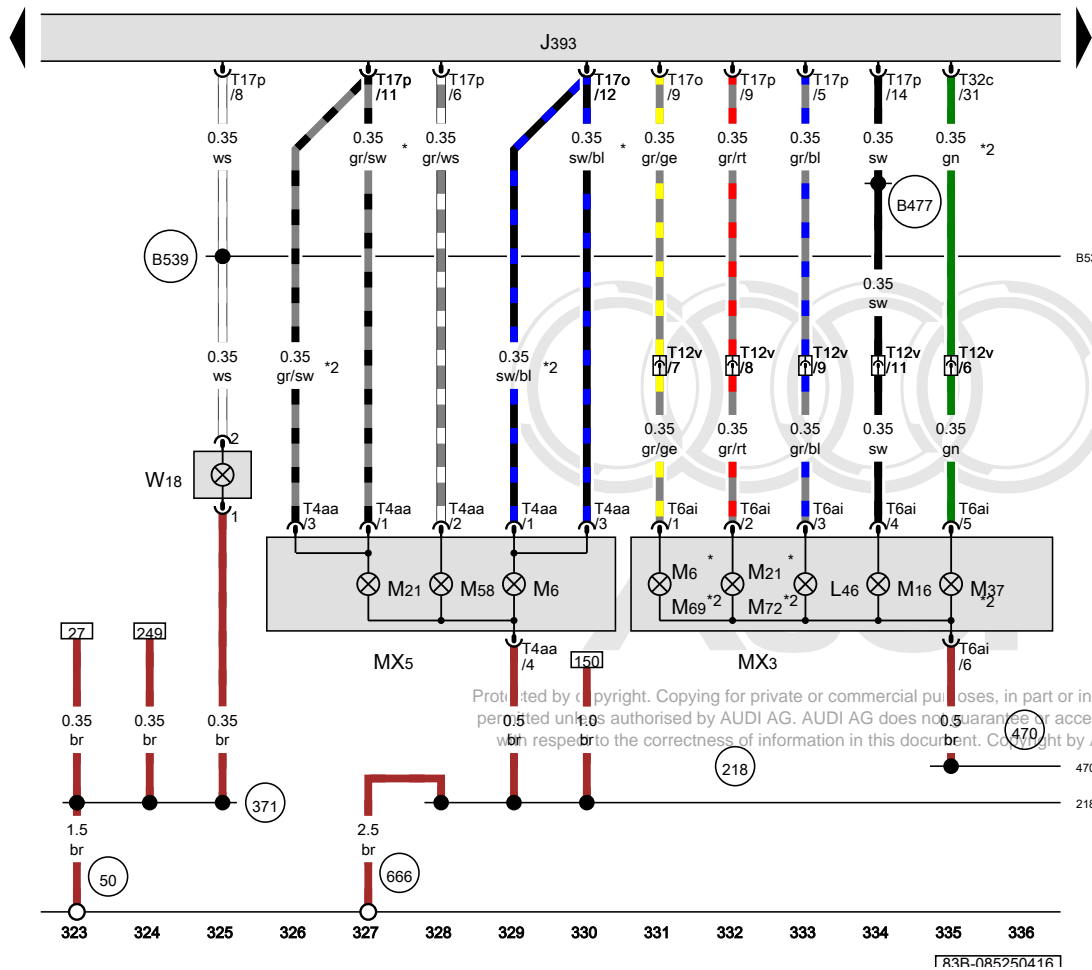
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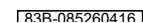
Comfort system central control module, Left tail lamp, Left tail lamp 2, Left luggage compartment lamp

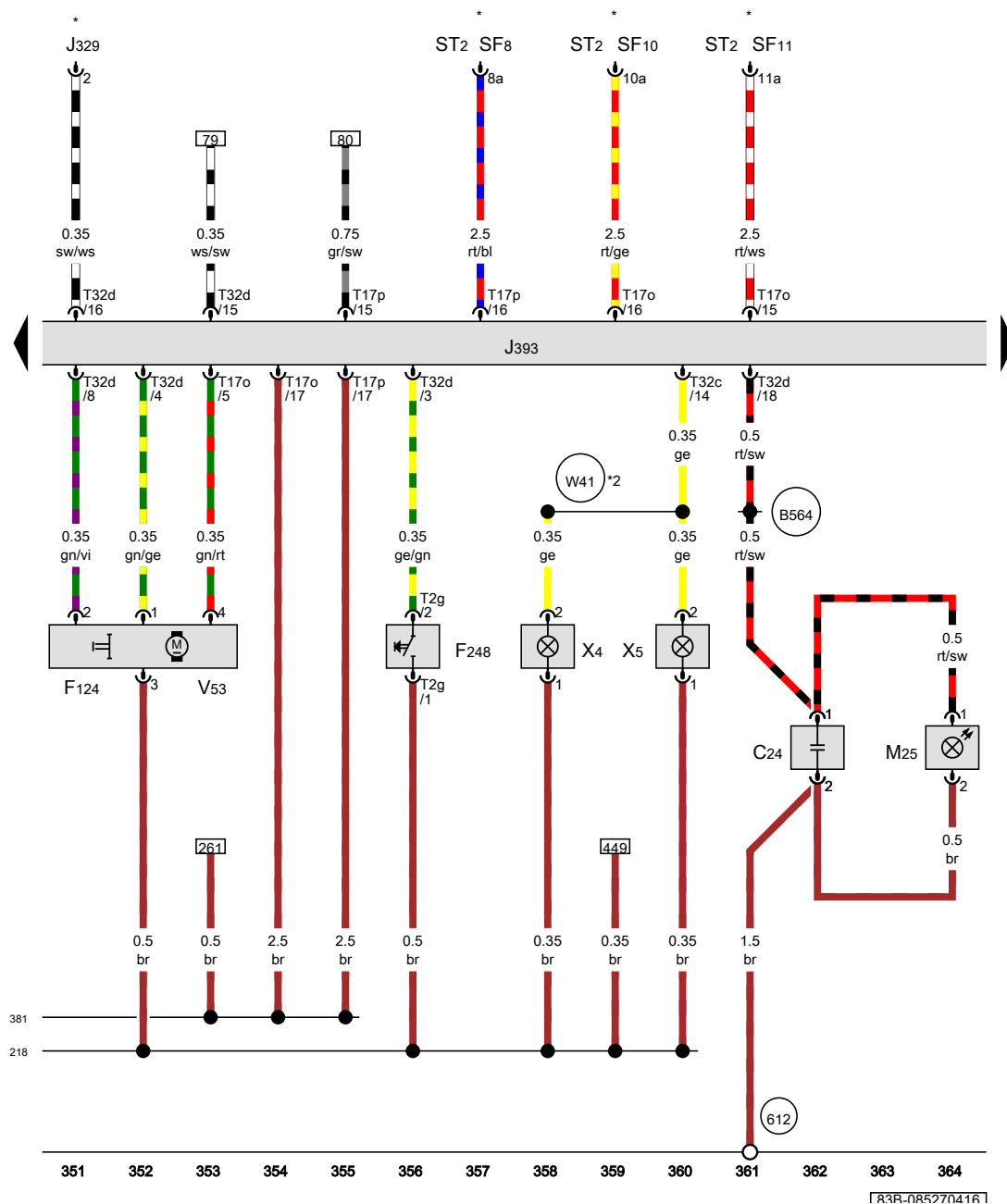
- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M58 Left brake/tail lamp bulb 2
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- T4aa 4-pin connector
- T6ai 6-pin connector
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W18 Left luggage compartment lamp

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- 666 Ground connection on roof, right rear
- B477 Connection 13 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)
- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment

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or = orange  
rs = pink







# Comfort system central control module, Rear lid central locking system motor

- C24 Suppressor
- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- M25 High-mounted brake lamp bulb
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T2g 2-pin connector
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor
- X4 Left license plate lamp
- X5 Right license plate lamp

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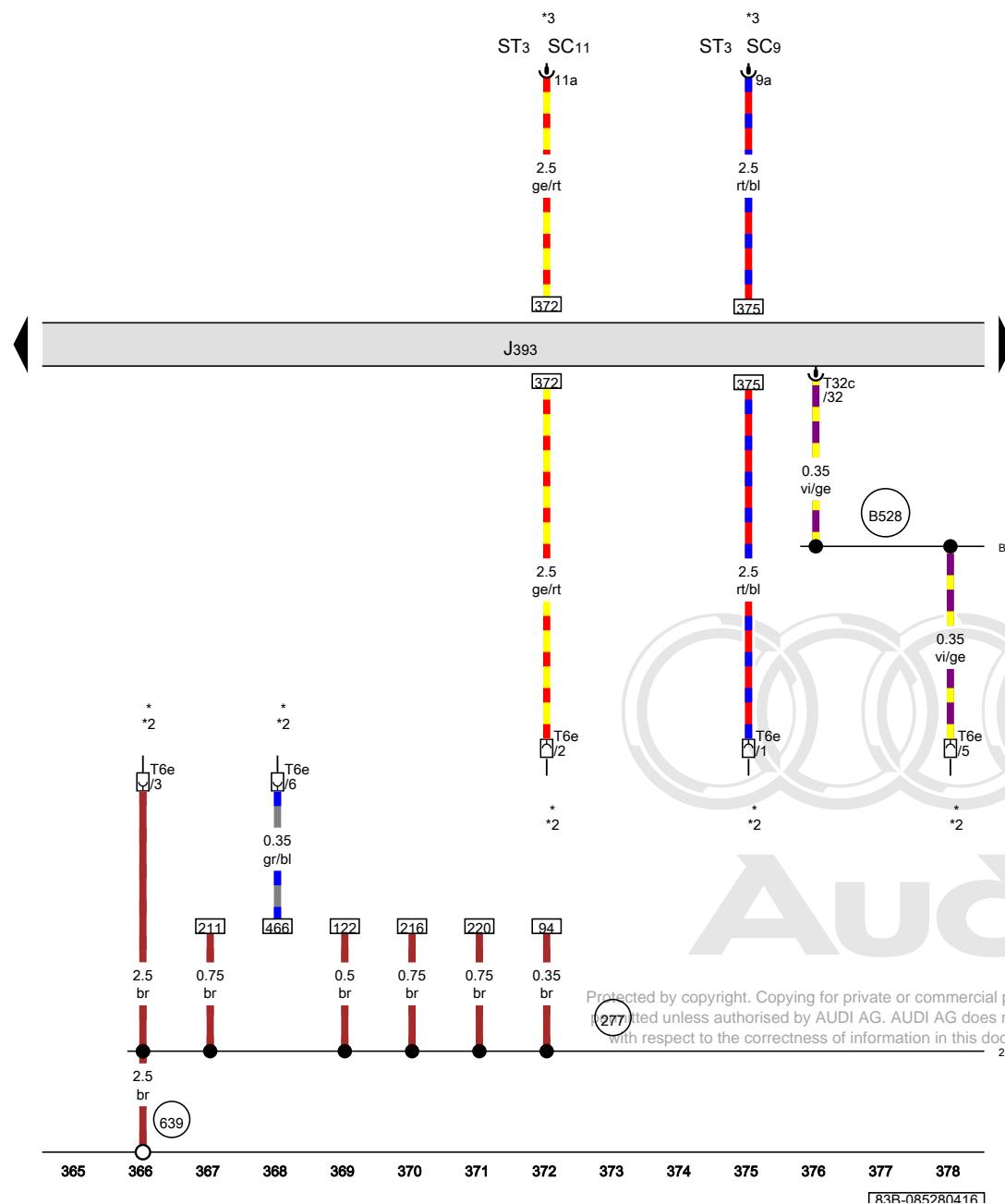
- 218 Ground connection 1 (in rear lid wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 612 Ground connection in rear lid, center
- B564 Connection 31 (in main wiring harness)
- W41 Positive connection (58) (in license plate lamp wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 from November 2012

# Comfort system central control module

- J393 Comfort system central control module
- ST3 Fuse panel 3
- SC9 Fuse 9 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T6e 6-pin connector, black
- T32c 32-pin connector

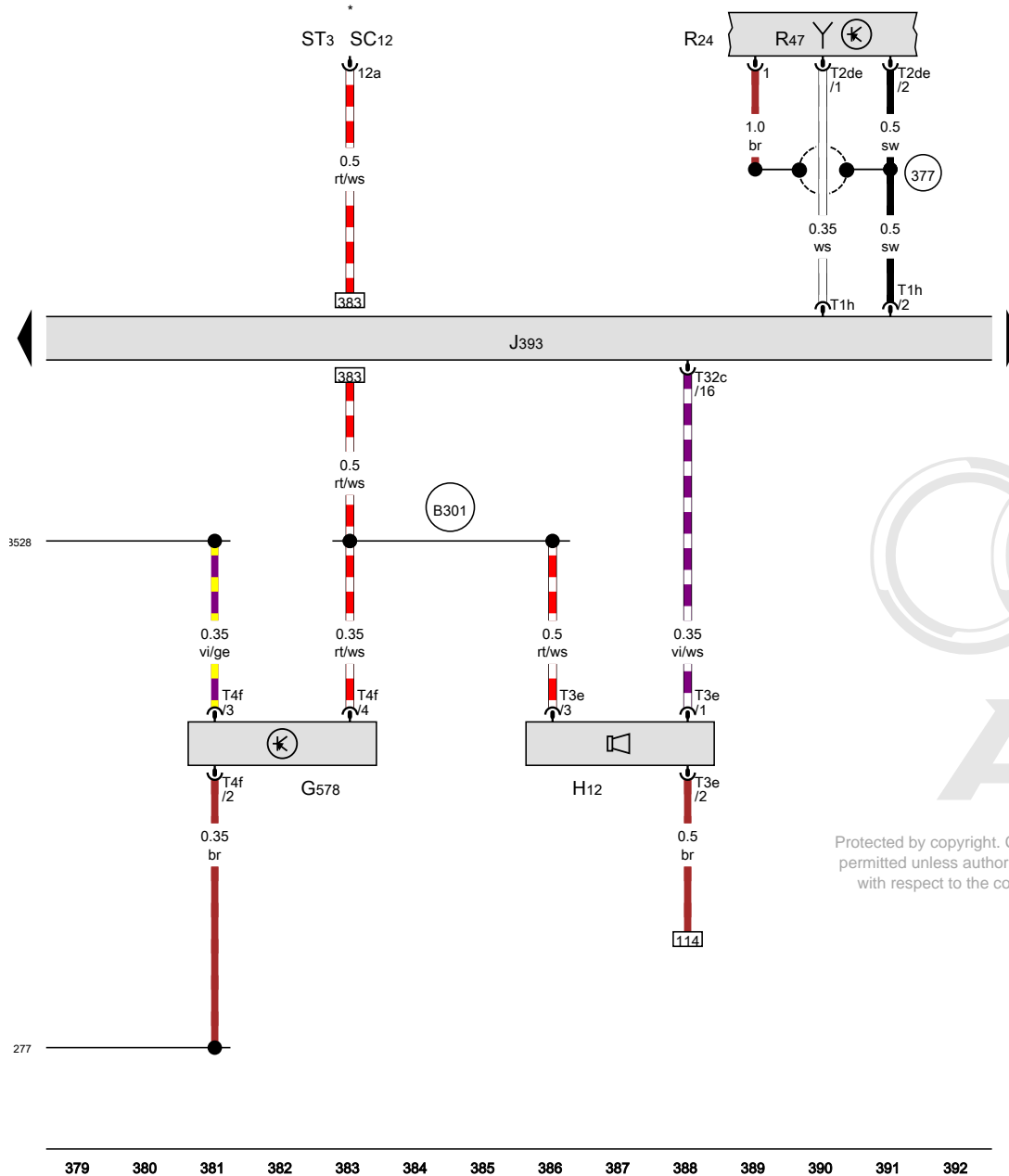
- 277 Ground connection 3 (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B528 LIN bus connection 1 (in main wiring harness)

- \* Only for vehicles with panorama sunroof
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions





Anti-theft alarm system sensor, Alarm horn, Comfort system central control module, Central locking and anti-theft alarm system antenna



- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J393 Comfort system central control module
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- ST3 Fuse panel 3
- SC12 Fuse 12 (on fuse panel C)
- T1h 1-pin connector
- T2de 2-pin connector
- T3e 3-pin connector
- T4f 4-pin connector
- T32c 32-pin connector

- (277) Ground connection 3 (in interior wiring harness)
- (377) Ground connection 12 (in main wiring harness)
- (B301) Positive connection 5 (30) (in main wiring harness)
- (B528) LIN bus connection 1 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions

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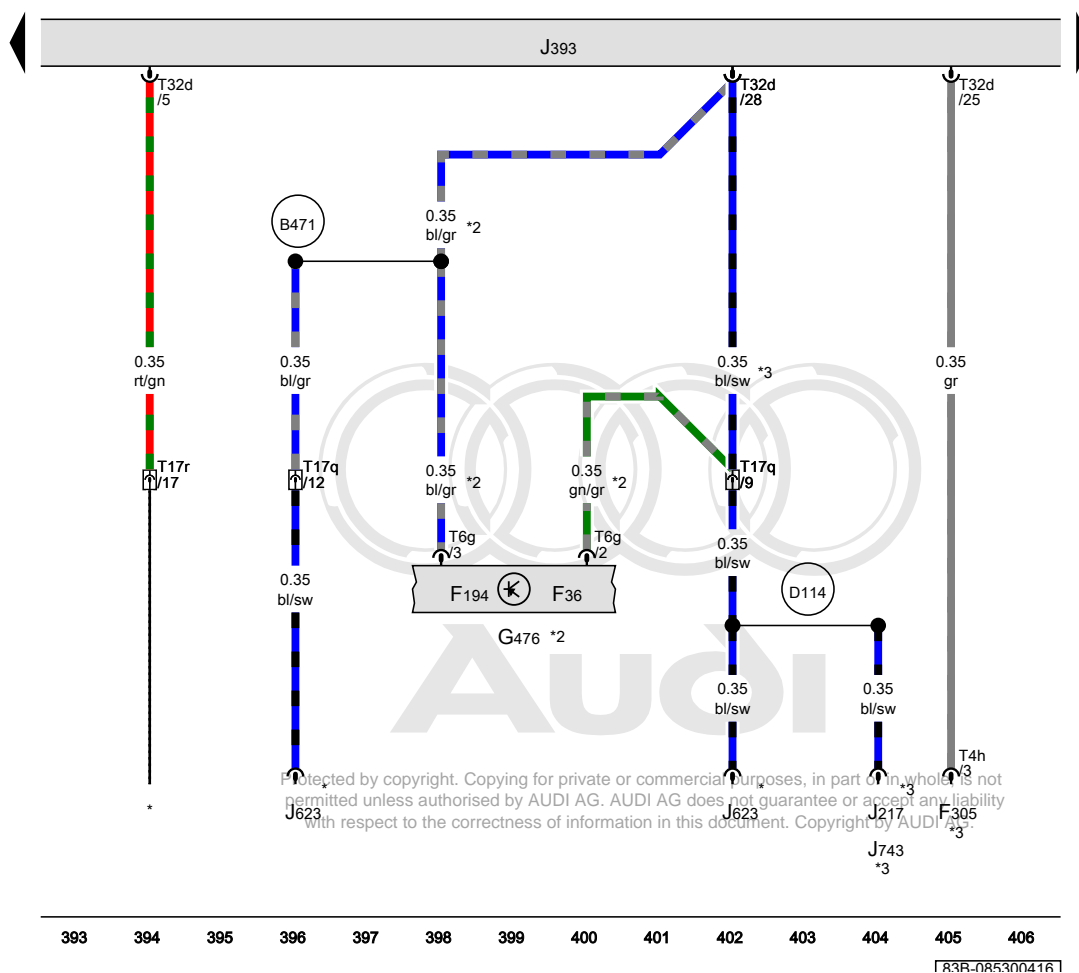
Clutch pedal switch, Comfort system central control module

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- F305 Transmission park selector switch
- G476 Clutch position sensor
- J217 Transmission control module
- J393 Comfort system central control module
- J623 Engine control module
- J743 DSG transmission Mechatronic
- T4h 4-pin connector
- T6g 6-pin connector
- T17q 17-pin connector, in the E-box
- T17r 17-pin connector, in the E-box
- T32d 32-pin connector

B471 Connection 7 (in main wiring harness)

D114 Connection 12 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Only for vehicles with a manual transmission
- \*3 Refer to applicable wiring diagram for automatic transmission



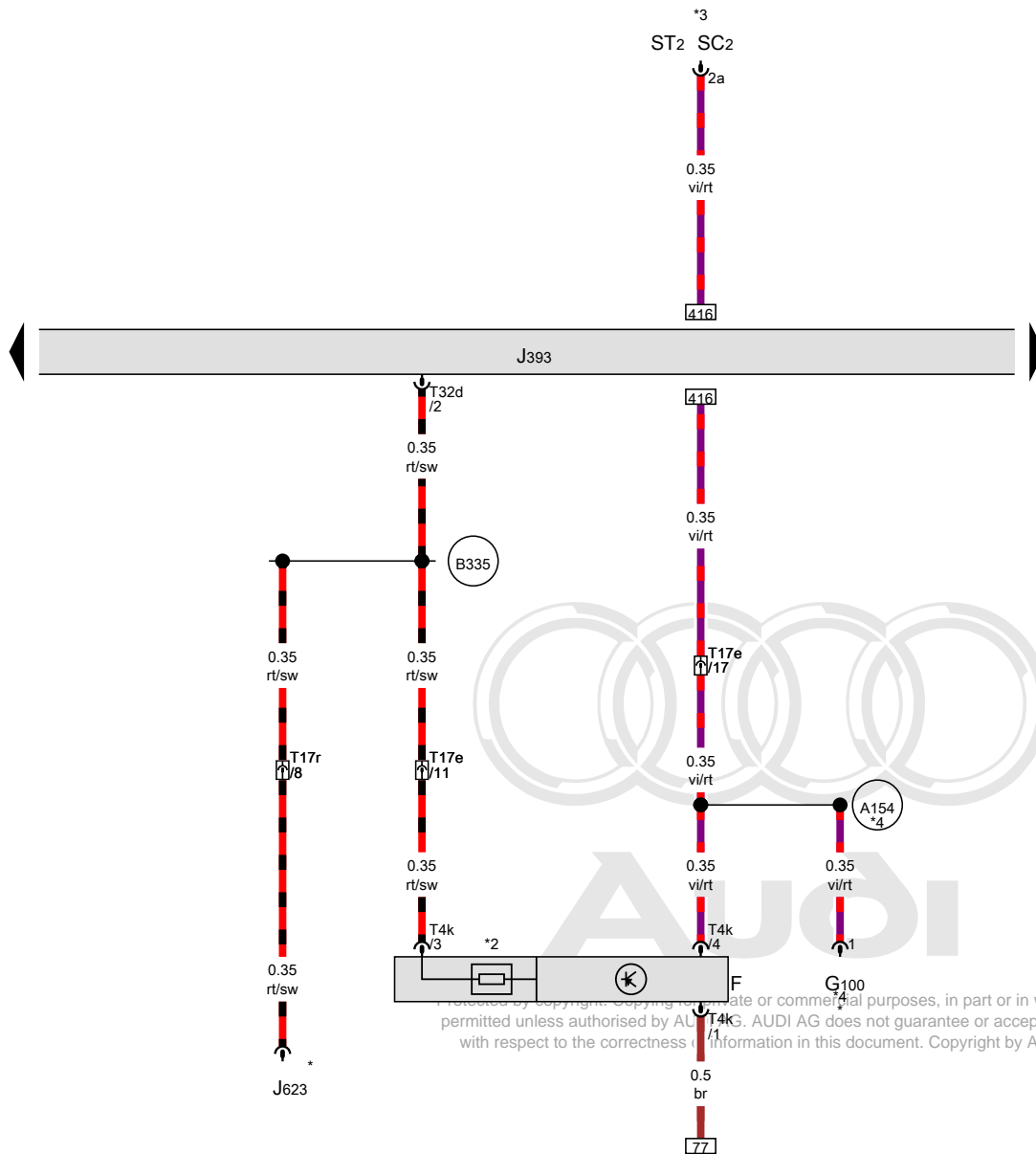
Brake lamp switch, Comfort system central control module

- F Brake lamp switch
- G100 Brake pedal position sensor
- J393 Comfort system central control module
- J623 Engine control module
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- T4k 4-pin connector
- T17e 17-pin connector, in the left A-pillar connector station
- T17r 17-pin connector, in the E-box
- T32d 32-pin connector

A154 Brake pedal switch connection (in instrument panel wiring harness)

B335 Connection 54 (in main wiring harness) 1

- \* Refer to applicable engine wiring diagram
- \*2 Brake lamp sensor system coil
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 only for vehicles with hybrid drive



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- li = lilac
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[83B-085310416]

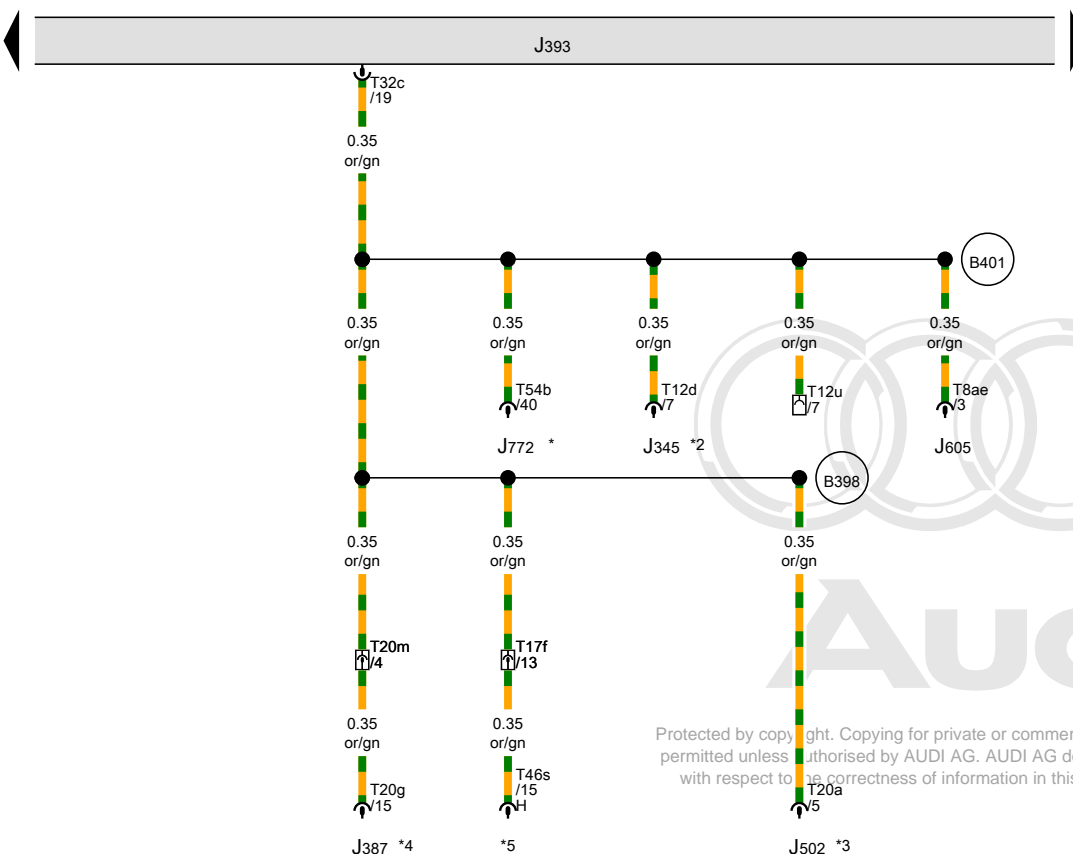
# Comfort system central control module

- J345 Towing recognition control module
- J387 Front passenger door control module
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J605 Rear lid control module
- J772 Rearview camera system control module
- T8ae 8-pin connector
- T12d 12-pin connector
- T12u 12-pin connector, brown
- T17f 17-pin connector, brown
- T20a 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, on the right A-pillar
- T32c 32-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

**B398** Comfort system CAN bus high connection 2 (in main wiring harness)

**B401** Comfort system CAN bus high connection 5 (in main wiring harness)

- \* Only for vehicles with a rearview camera system
- \*2 Only for vehicles with trailer socket
- \*3 Only for vehicles with tire pressure monitoring
- \*4 Refer to applicable convenience system wiring diagram
- \*5 Front passenger connection bridge, brown



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421 422 423 424 425 426 427 428 429 430 431 432 433 434

[83B-085320416]

# Comfort system central control module

- J345 Towing recognition control module
- J387 Front passenger door control module
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J605 Rear lid control module
- J772 Rearview camera system control module
- T8ae 8-pin connector
- T12d 12-pin connector
- T12u 12-pin connector, brown
- T17f 17-pin connector, brown
- T20a 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, on the right A-pillar
- T32c 32-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

B407 Comfort system CAN bus low connection 2 (in main wiring harness)

B410 Comfort system CAN bus low connection 5 (in main wiring harness)

\* Refer to applicable convenience system wiring diagram

\*2 Front passenger connection bridge, brown

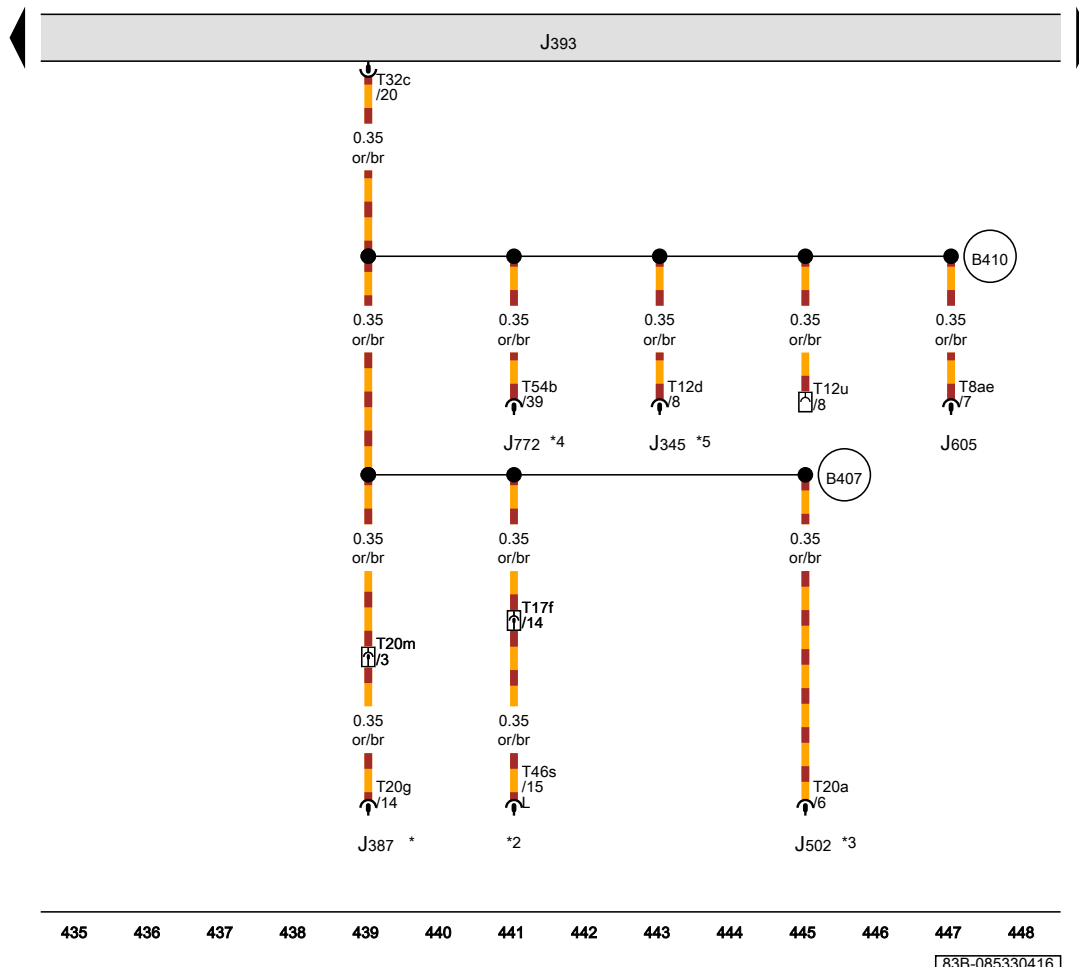
\*3 Only for vehicles with tire pressure monitoring

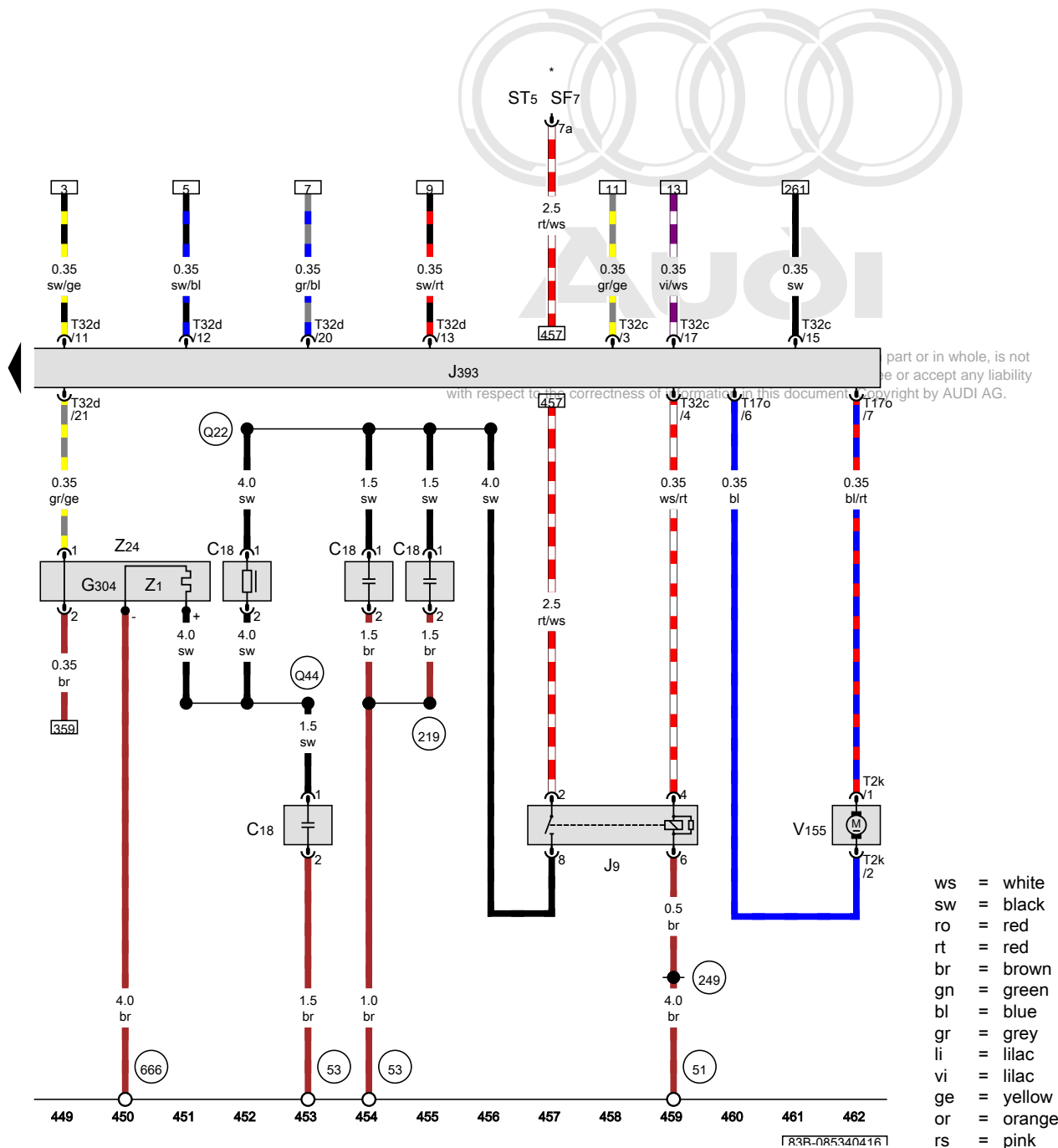
\*4 Only for vehicles with a rearview camera system

\*5 Only for vehicles with trailer socket

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Rear window breakage sensor, Comfort system central control module, Fuel filler door lock motor, Rear window defogger

- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- ST5 Fuse panel 5
- SF7 Fuse 7 (on fuse panel F)
- T2k 2-pin connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door lock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

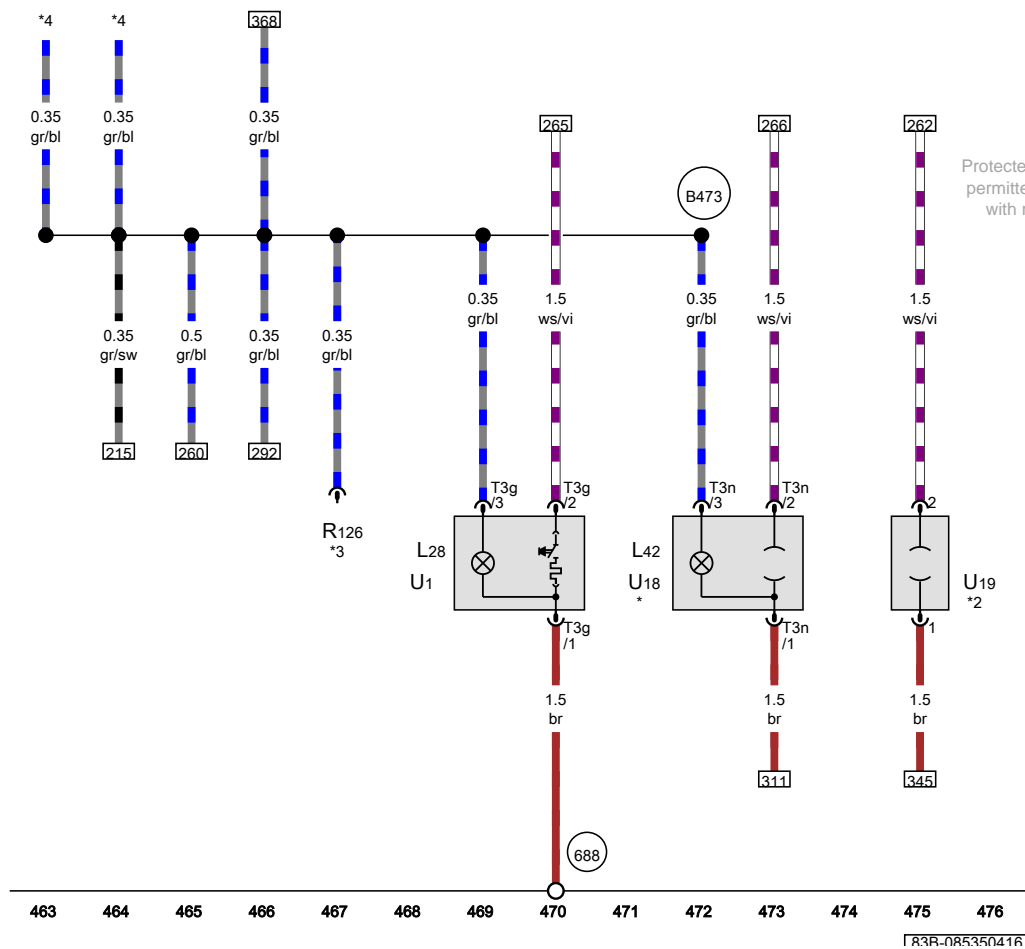
\* Refer to applicable wiring diagram for fuse positions

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Cigarette lighter, 12 V socket 2, 12 V socket 3

- L28 Cigarette lighter illumination bulb
- L42 Socket illumination bulb
- R126 Telephone baseplate
- T3g 3-pin connector
- T3n 3-pin connector
- U1 Cigarette lighter
- U18 12 V socket 2
- U19 12 V socket 3
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)

- \* Depending on equipment
- \*2 Only for vehicles with 12 V socket in luggage compartment
- \*3 Refer to applicable telephone systems wiring diagram
- \*4 Refer to the applicable heated seats wiring diagram



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**Convenience system**  
from May 2012



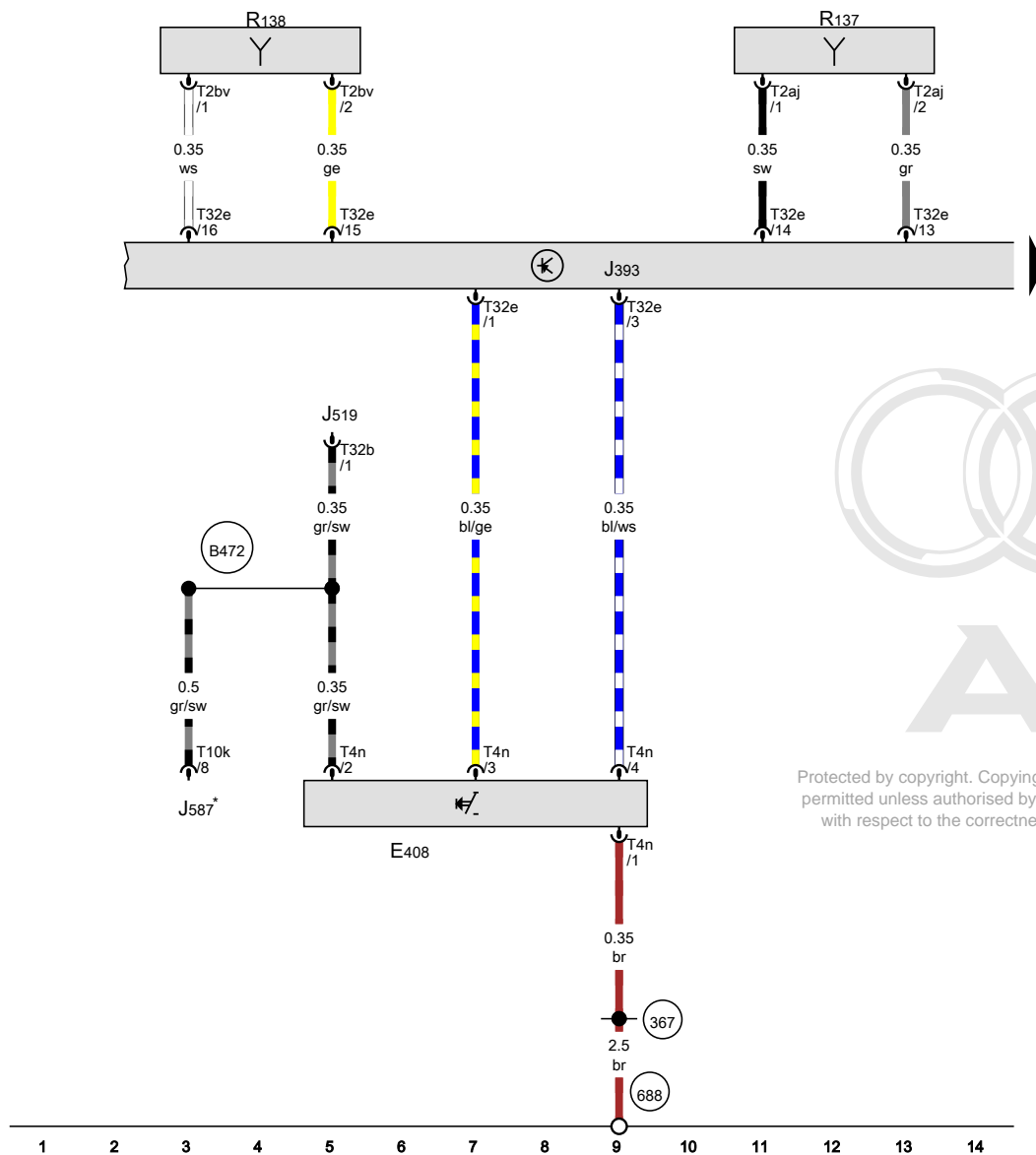
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Access/start authorization button, Comfort system central control module, Access/start system antenna in luggage compartment, Access/start system antenna 1 in vehicle interior

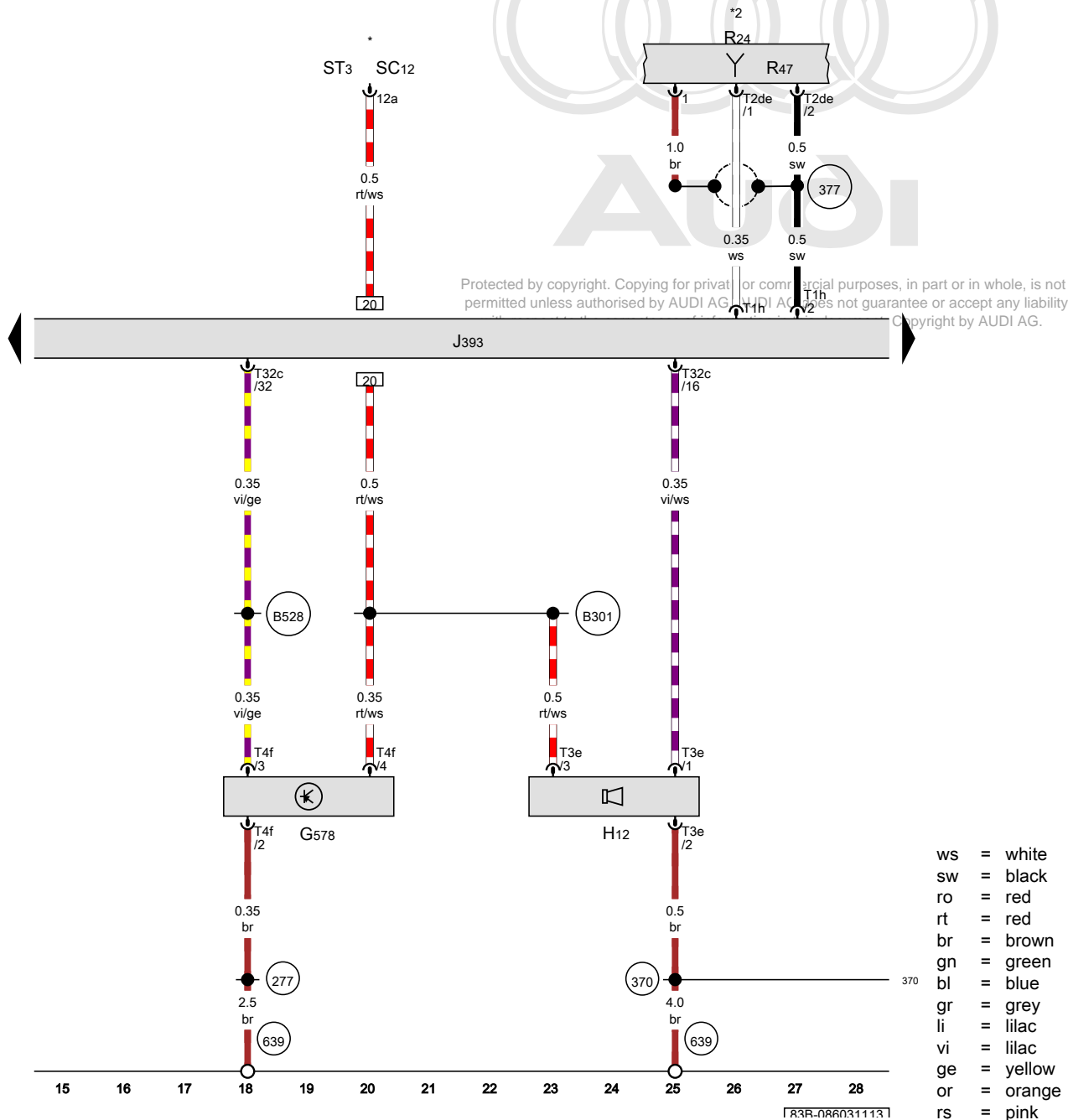
- E408 Access/start authorization button
- J393 Comfort system central control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- R137 Access/start system antenna in luggage compartment
- R138 Access/start system antenna 1 in vehicle interior
- T2aj Double connector
- T2bv Double connector
- T4n 4-pin connector
- T10k 10-pin connector
- T32b 32-pin connector
- T32e 32-pin connector

- 367 Ground connection 2 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B472 Connection 8 (in main wiring harness)
- \* Refer to applicable wiring diagram for automatic transmission



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[A3B-086021113]



# Anti-theft alarm system sensor, Alarm horn, Comfort system central control module, Antenna amplifier

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J393 Comfort system central control module
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- ST3 Fuse panel 3
- SC12 Fuse 12 (on fuse panel C)
- T1h Single connector
- T2de Double connector
- T3e 3-pin connector
- T4f 4-pin connector
- T32c 32-pin connector

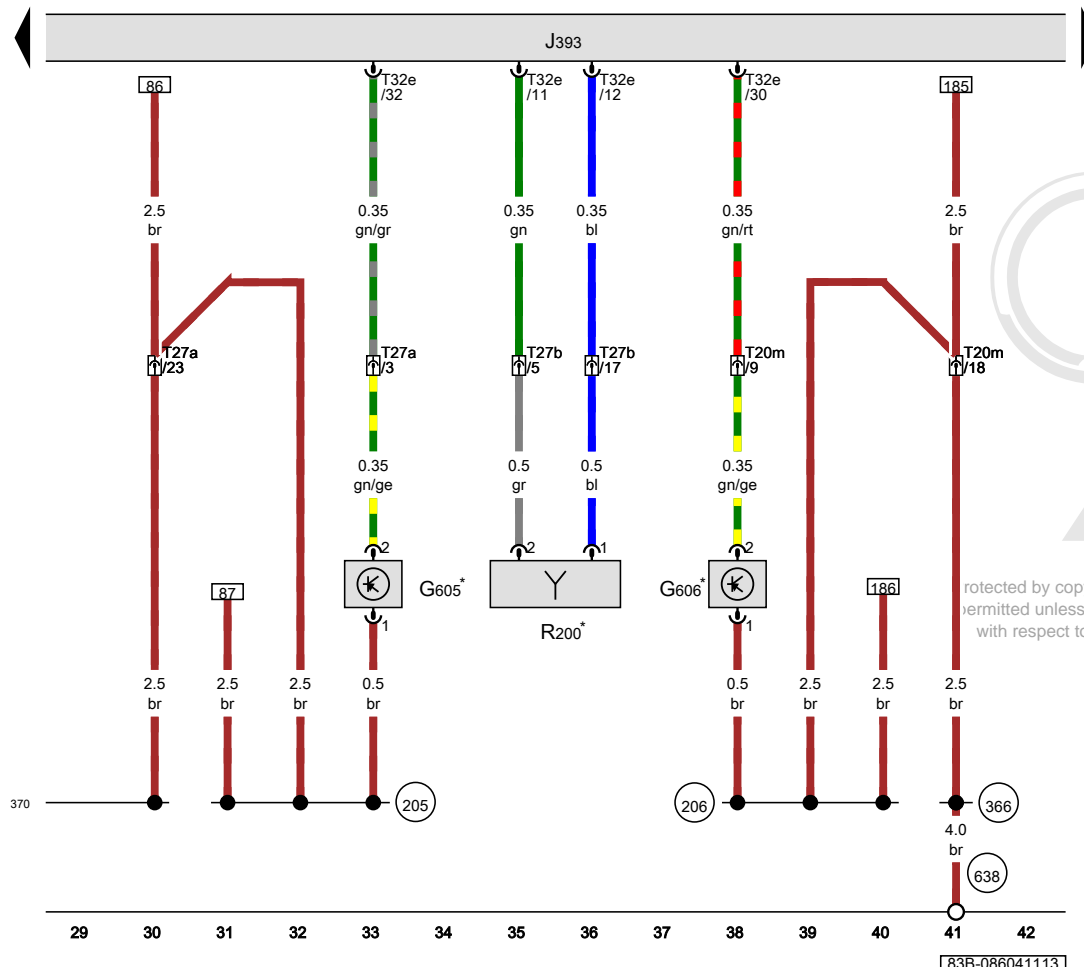
- 277 Ground connection 3 (in interior wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B301 Positive connection 5 (30) (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable wiring diagram

Left front exterior door handle touch sensor, Right front exterior door handle touch sensor, Comfort system central control module, Left access/start authorization antenna

- G605 Left front exterior door handle touch sensor
- G606 Right front exterior door handle touch sensor
- J393 Comfort system central control module
- R200 Left access/start authorization antenna
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Left B-pillar, bottom
- T32e 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 206 Ground connection (in front passenger door wiring harness)
- 366 Ground connection 1 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 638 Ground connection on right A-pillar
- \* Depending on equipment



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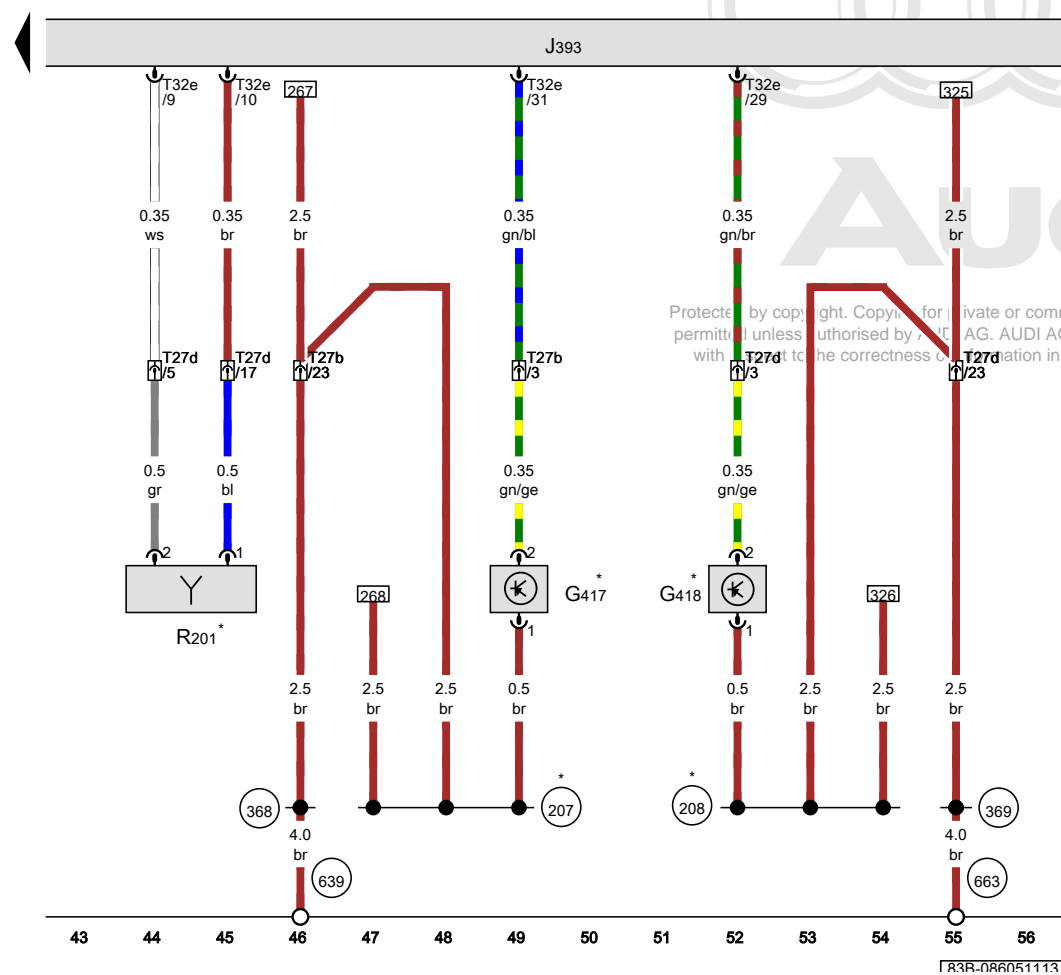
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- bl = blue
- gr = grey
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- ge = yellow
- or = orange
- rs = pink

Left rear exterior door handle touch sensor, Right rear exterior door handle touch sensor, Comfort system central control module, Right access/start authorization antenna

- G417 Left rear exterior door handle touch sensor
- G418 Right rear exterior door handle touch sensor
- J393 Comfort system central control module
- R201 Right access/start authorization antenna
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T32e 32-pin connector

- (207) Ground connection (in left rear door wiring harness)
- (208) Ground connection (in right rear door wiring harness)
- (368) Ground connection 3 (in main wiring harness)
- (369) Ground connection 4 (in main wiring harness)
- (639) Ground connection on left A-pillar
- (663) Ground connection in right rear side panel

Depending on equipment



[A3B-086051113]

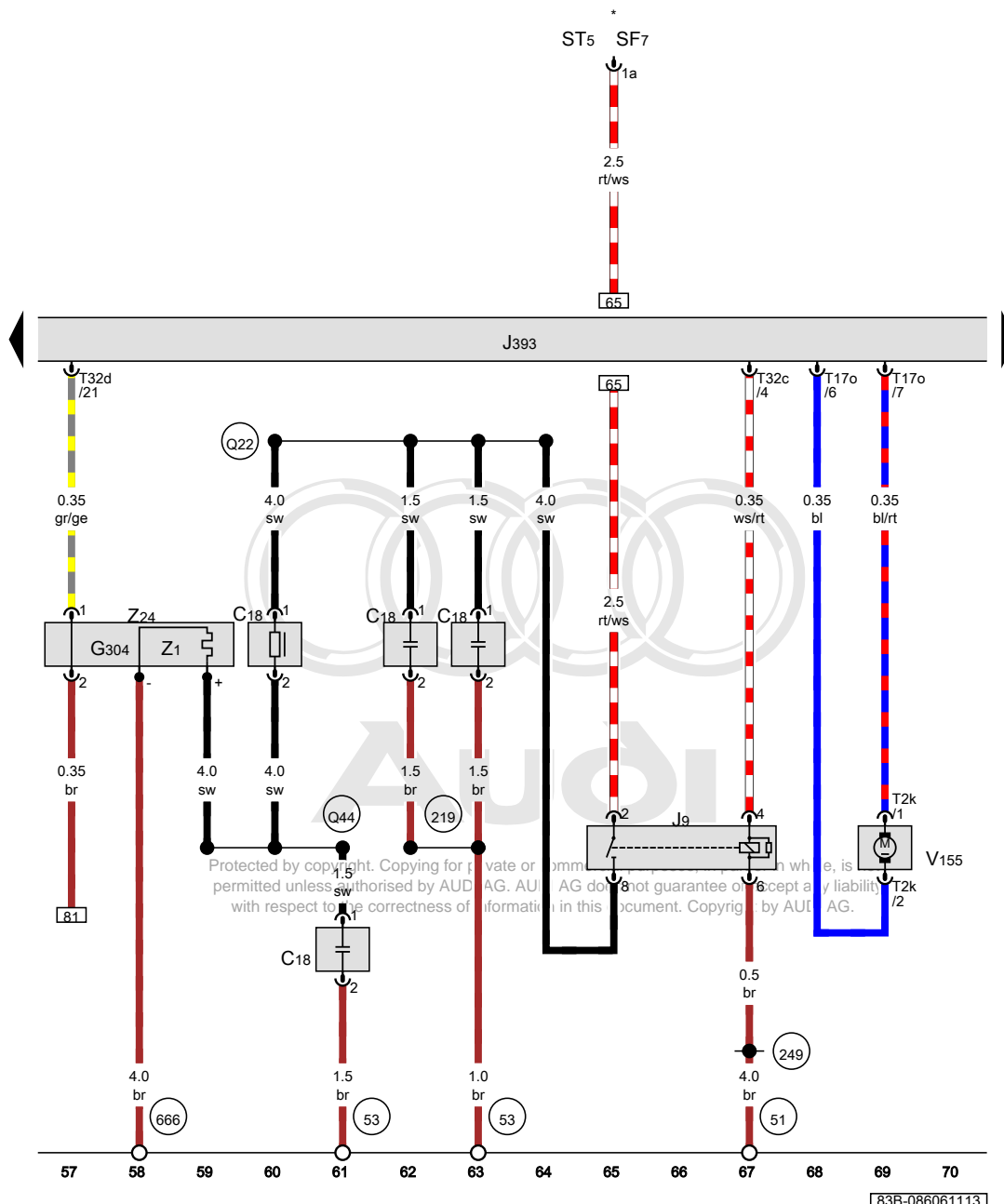
Windshield antenna suppression filter, Rear window breakage sensor, Rear window defogger relay, Comfort system central control module, Fuel filler door unlock motor, Rear window defogger

- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- ST5 Fuse panel 5
- SF7 Fuse 7 (on fuse panel F)
- T2k Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door unlock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

\* Refer to applicable wiring diagram for fuse positions

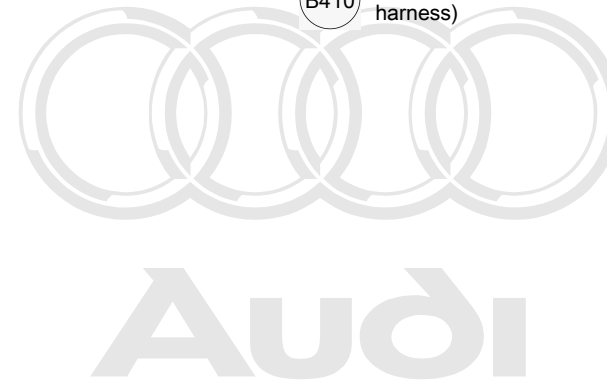
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ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
vi = lilac  
ge = yellow  
or = orange  
rs = pink



Rear lid lock/alarm/central locking switch, Rear lid lock cylinder unlock button, Comfort system central control module, Rear lid central locking system motor

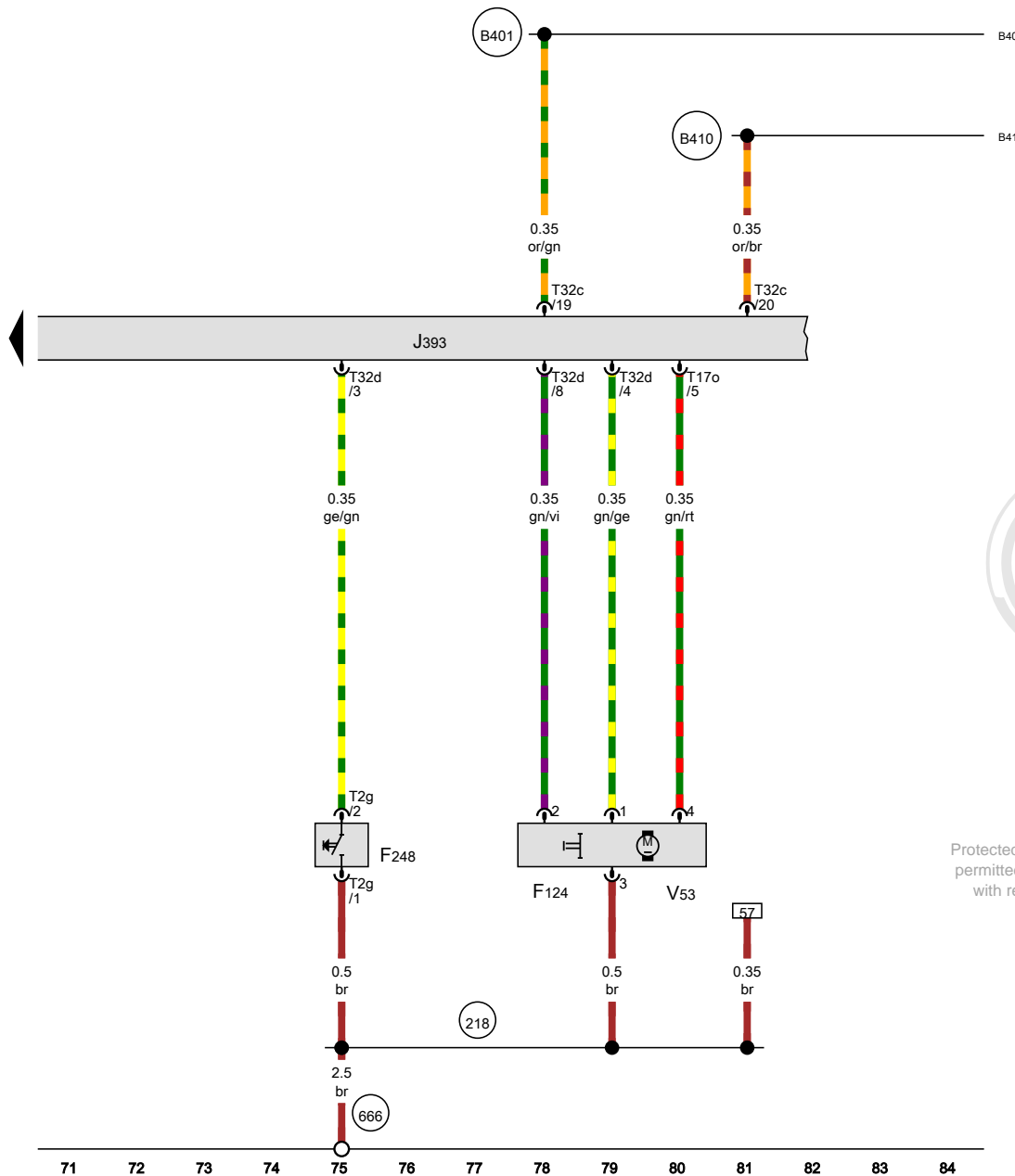
- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J393 Comfort system central control module
- T2g Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor

- 218 Ground connection 1 (in rear lid wiring harness)
- 666 Ground connection on roof, right rear
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

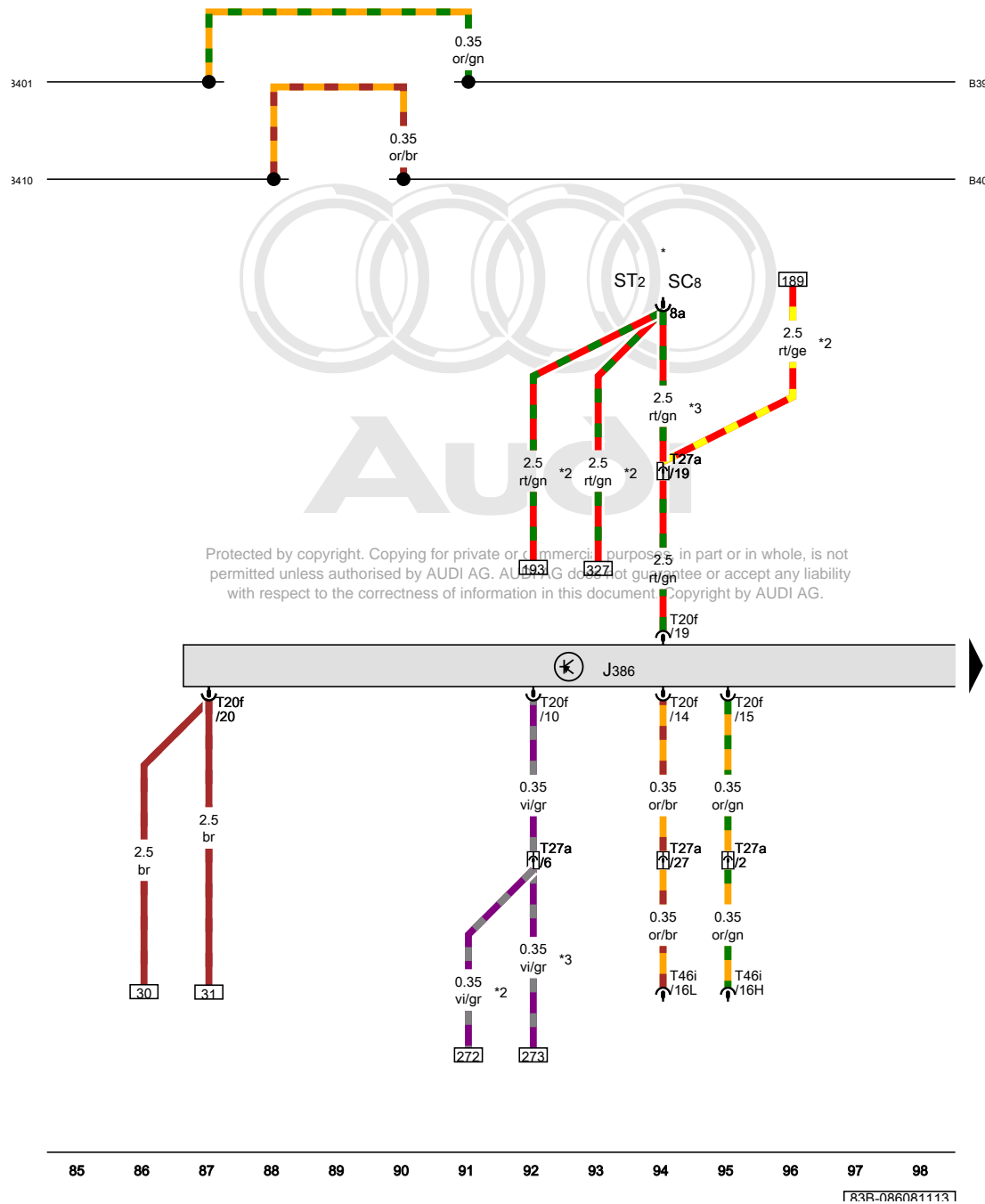


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[83B-086071113]



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## Driver door control module

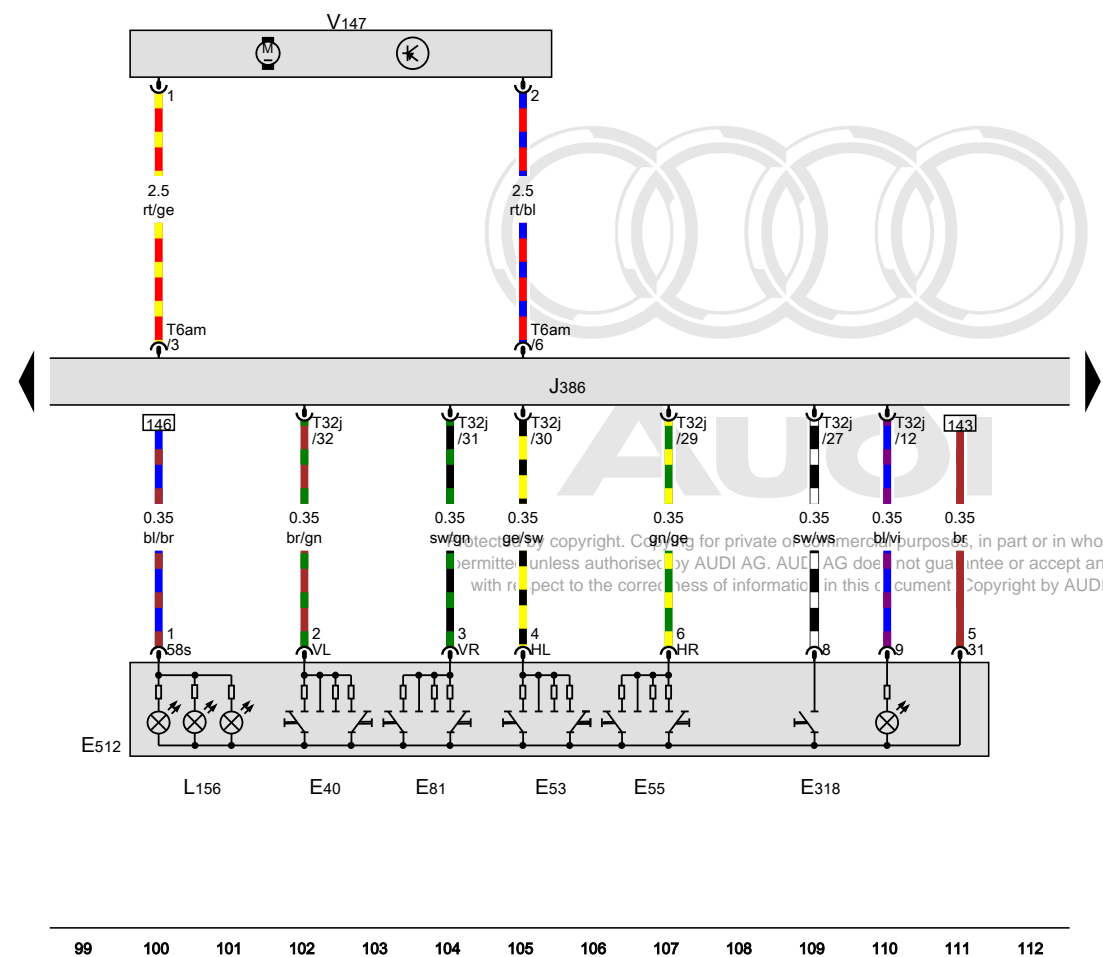
- J386 Driver door control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T46i 46-pin connector
- (B398) Comfort system CAN bus high connection 2 (in main wiring harness)
- (B401) Comfort system CAN bus high connection 5 (in main wiring harness)
- (B407) Comfort system CAN bus low connection 2 (in main wiring harness)
- (B410) Comfort system CAN bus low connection 5 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for right-hand drive vehicles
- \*3 Only for left-hand drive vehicles

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Power window control head in driver door, Driver door control module, Driver window regulator motor

- E40 Left front window regulator switch
- E53 Left rear window regulator switch in driver door
- E55 Right rear window regulator switch in driver door
- E81 Right front power window switch in driver door
- E318 Child safety lock button
- E512 Power window control head in driver door
- J386 Driver door control module
- L156 Switch illumination bulb
- T6am 6-pin connector
- T32j 32-pin connector
- V147 Driver window regulator motor
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)



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[83B-086091113]

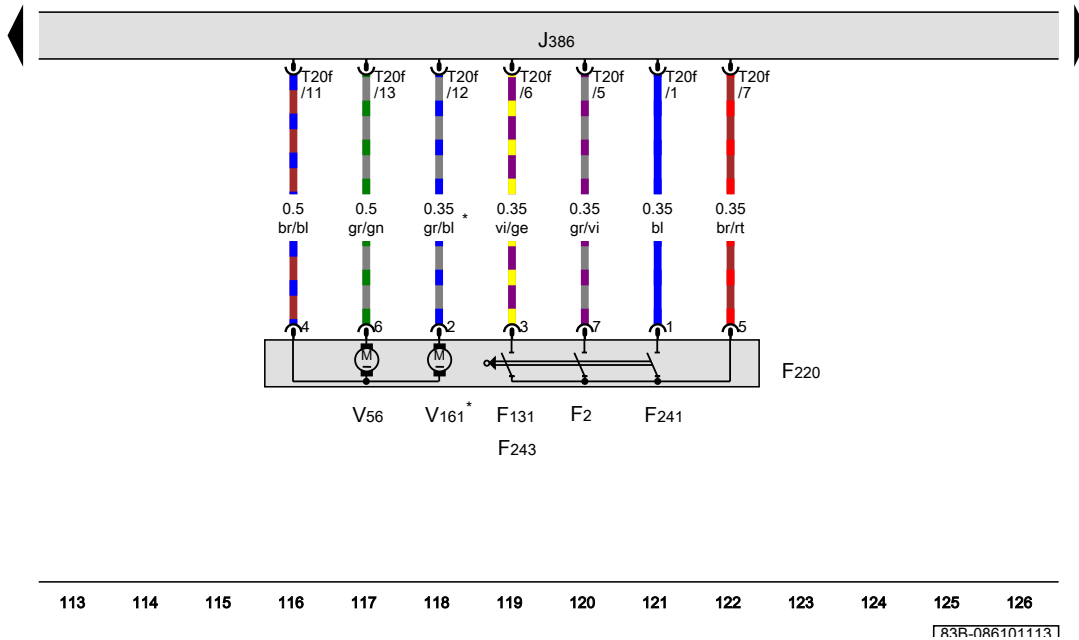


3398 \_\_\_\_\_ B38

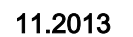
3407 \_\_\_\_\_ B40

### 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
  - F243 Driver door central locking -SAFE- function actuator
  - J386 Driver door control module
  - T20f 20-pin connector
  - V56 Driver door central locking system motor
  - V161 Driver door central locking -SAFE- motor
  - B398** Comfort system CAN bus high connection 2 (in main wiring harness)
  - B407** Comfort system CAN bus low connection 2 (in main wiring harness)
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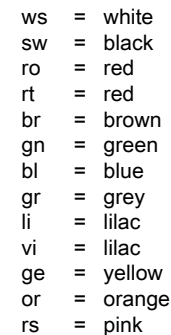


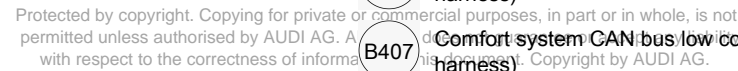
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E43	Mirror adjusting switch
E48	Mirror selector switch
E168	Folding mirror adjustment switch
E183	Interior monitoring switch
E217	Alarm system deactivation switch
J386	Driver door control module
K133	Central locking -SAFE- indicator lamp
T32j	32-pin connector

- |      |   |
|------|---|
| 267  | Ground connection 2 (in driver door 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)  |
| R52  | Connection 58s (in driver door wiring harness)                    |



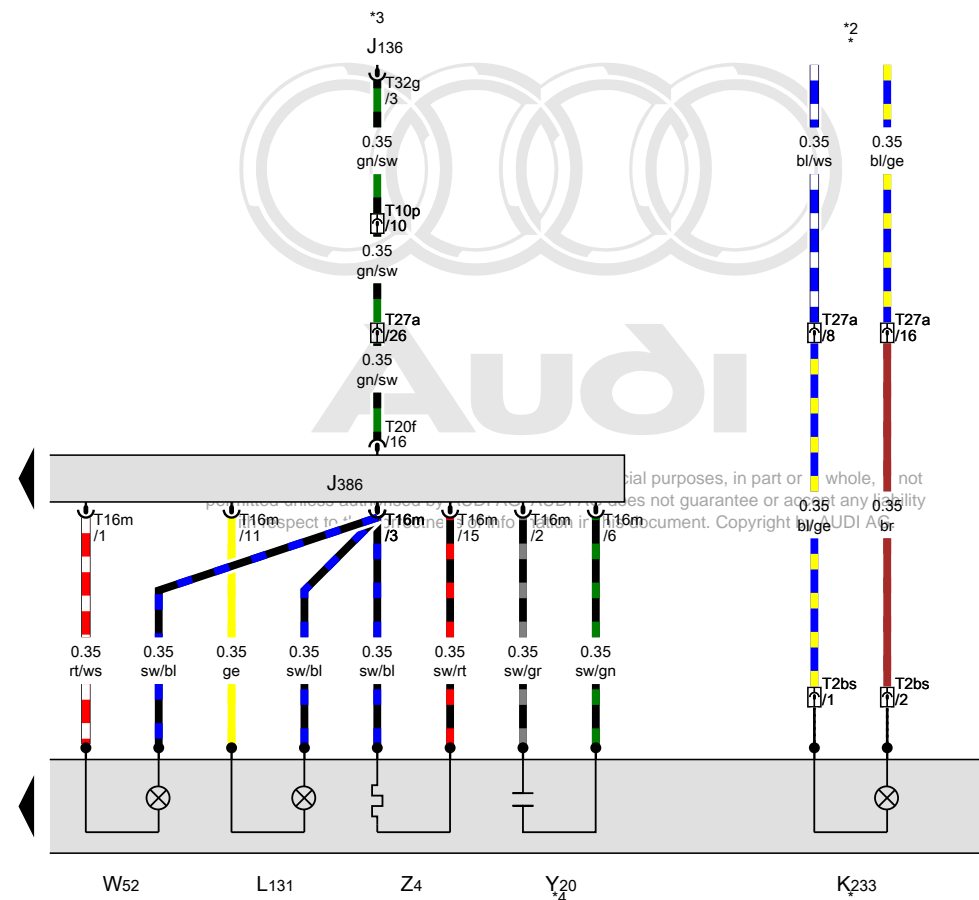


\* Only for vehicles with automatic dimming interior rearview mirror

ws = white  
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rs = pink

3398 B36

3407 B40



Driver door control module, Lane change assistance warning lamp in driver exterior rearview mirror, Driver exterior rearview mirror turn signal bulb, Driver entry lamp in exterior rearview mirror, Driver automatic dimming exterior rearview mirror, Heated driver exterior rearview mirror

- J136 Memory seat/steering column adjustment control module
- J386 Driver door control module
- K233 Lane change assistance warning lamp in driver exterior rearview mirror
- L131 Driver exterior rearview mirror turn signal bulb
- T2bs Double connector, black
- T10p 10-pin connector, red
- T16m 16-pin connector
- T20f 20-pin connector
- T27a 27-pin connector, Left A-pillar, bottom
- T32g 32-pin connector
- W52 Driver entry lamp in exterior rearview mirror
- Y20 Driver automatic dimming exterior rearview mirror
- Z4 Heated driver exterior rearview mirror

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 for vehicles with lane assist
- \*2 Refer to applicable wiring diagram
- \*3 Only for vehicles with power memory seats
- \*4 Only for vehicles with automatic dimming exterior rearview mirror

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3398 \_\_\_\_\_ B398

3407 \_\_\_\_\_ B407

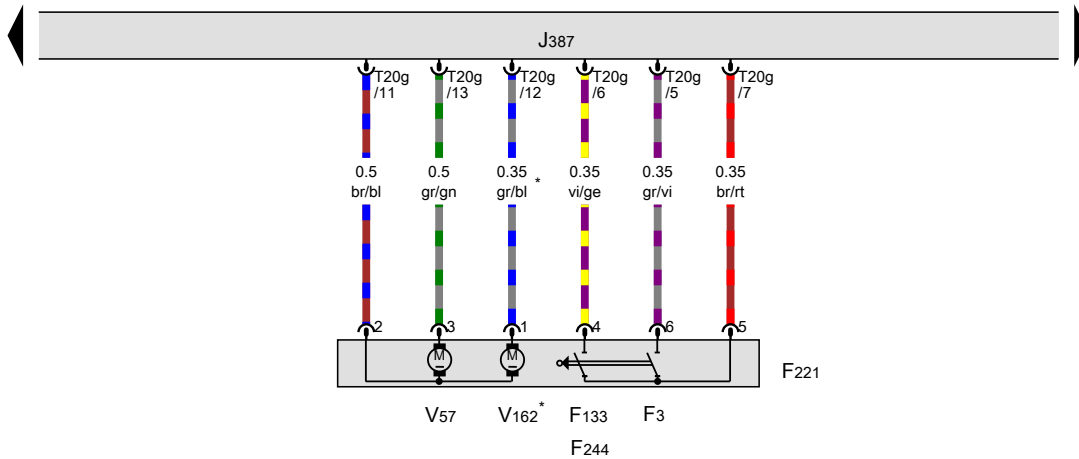
# Front passenger central locking lock unit, Front passenger door control module

- F3 Front passenger door contact switch
- F133 Right front central locking system actuator
- F221 Front passenger central locking lock unit
- F244 Front passenger door central locking -SAFE- function actuator
- 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

**B398** Comfort system CAN bus high connection 2 (in main wiring harness)

**B407** Comfort system CAN bus low connection 2 (in main wiring harness)

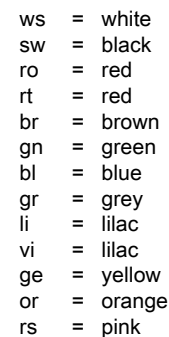
\* Only for vehicles with SAFE function



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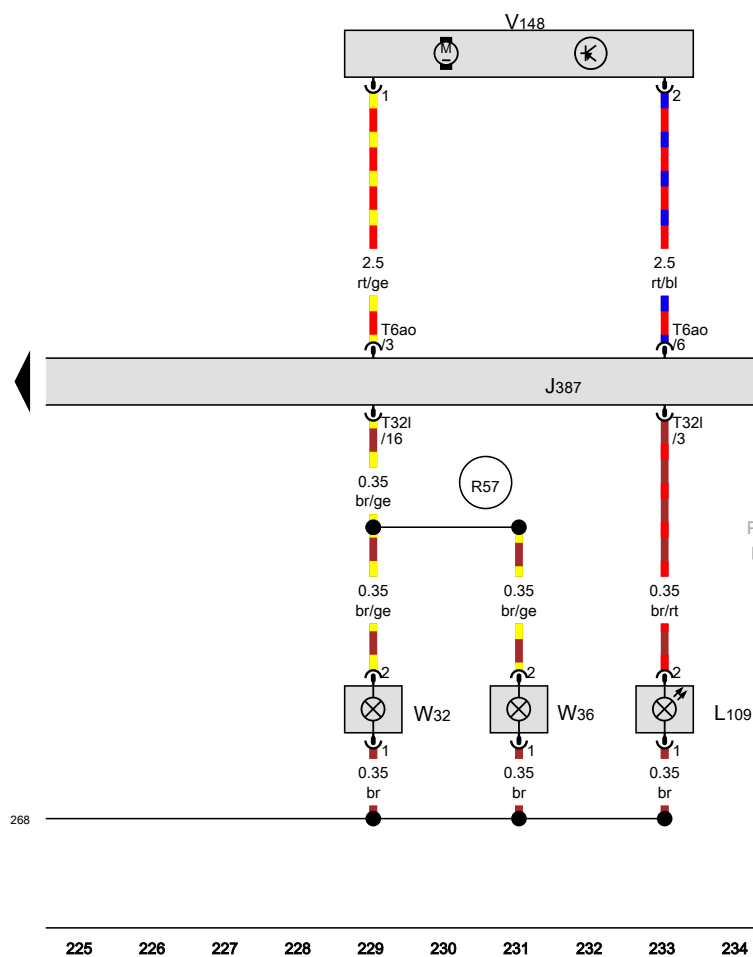
- \* Only for vehicles with US equipment
- \*2 Depending on equipment
- \*3 Only for vehicles without US equipment



Front passenger door control module, Front passenger door opener illumination bulb, Front passenger window regulator motor, Right front entry lamp, Front passenger door warning lamp

- J387 Front passenger door control module
- L109 Front passenger door opener illumination bulb
- T6ao 6-pin connector
- T32l 32-pin connector
- V148 Front passenger window regulator motor
- W32 Right front entry lamp
- W36 Front passenger door warning lamp

- 268 Ground connection 2 (in front passenger door wiring harness)
- R57 Entry lamp connection (in front passenger door wiring harness)



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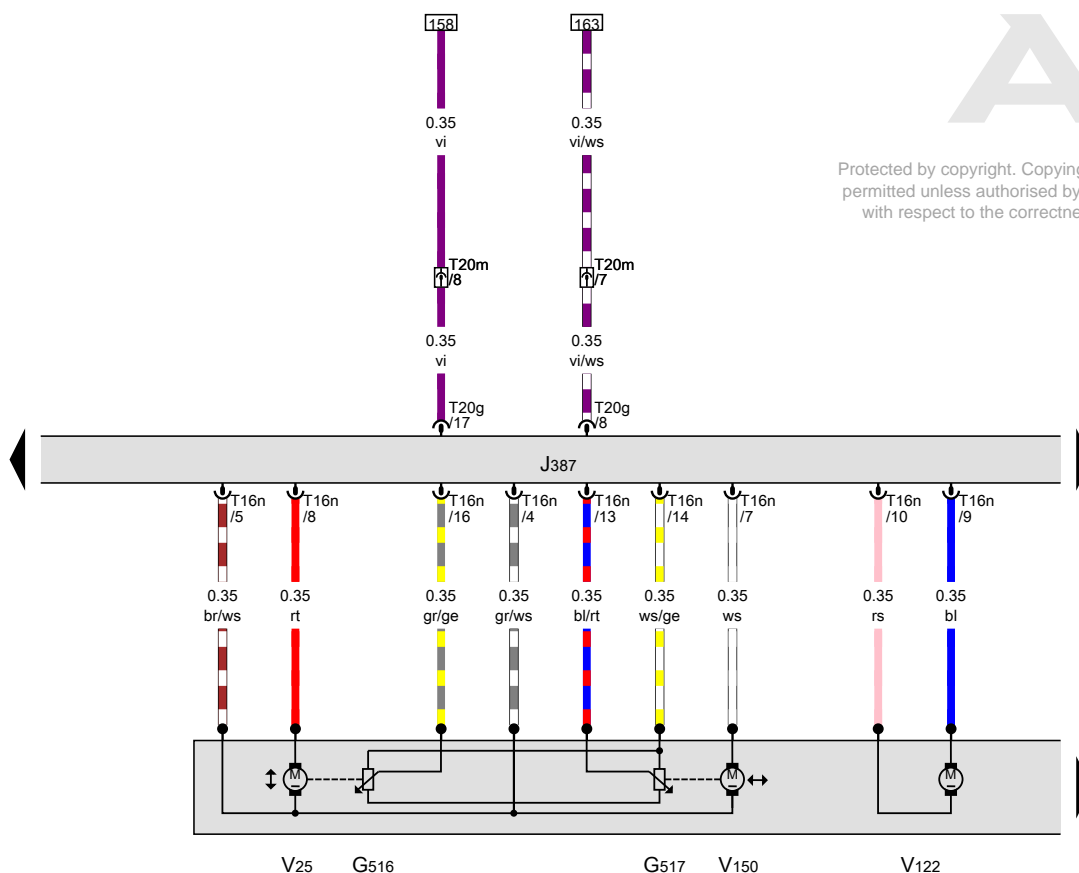
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[A3B-08A1R1113]

Front passenger exterior rearview mirror horizontal position sensor, Front passenger exterior rearview mirror vertical position sensor, Front passenger door control module, Front passenger mirror adjustment motor, Front passenger exterior rearview mirror folding motor, Front passenger mirror adjustment motor

- G516 Front passenger exterior rearview mirror horizontal position sensor
- G517 Front passenger exterior rearview mirror vertical position sensor
- J387 Front passenger door control module
- T16n 16-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- V25 Front passenger mirror adjustment motor
- V122 Front passenger exterior rearview mirror folding motor
- V150 Front passenger mirror adjustment motor

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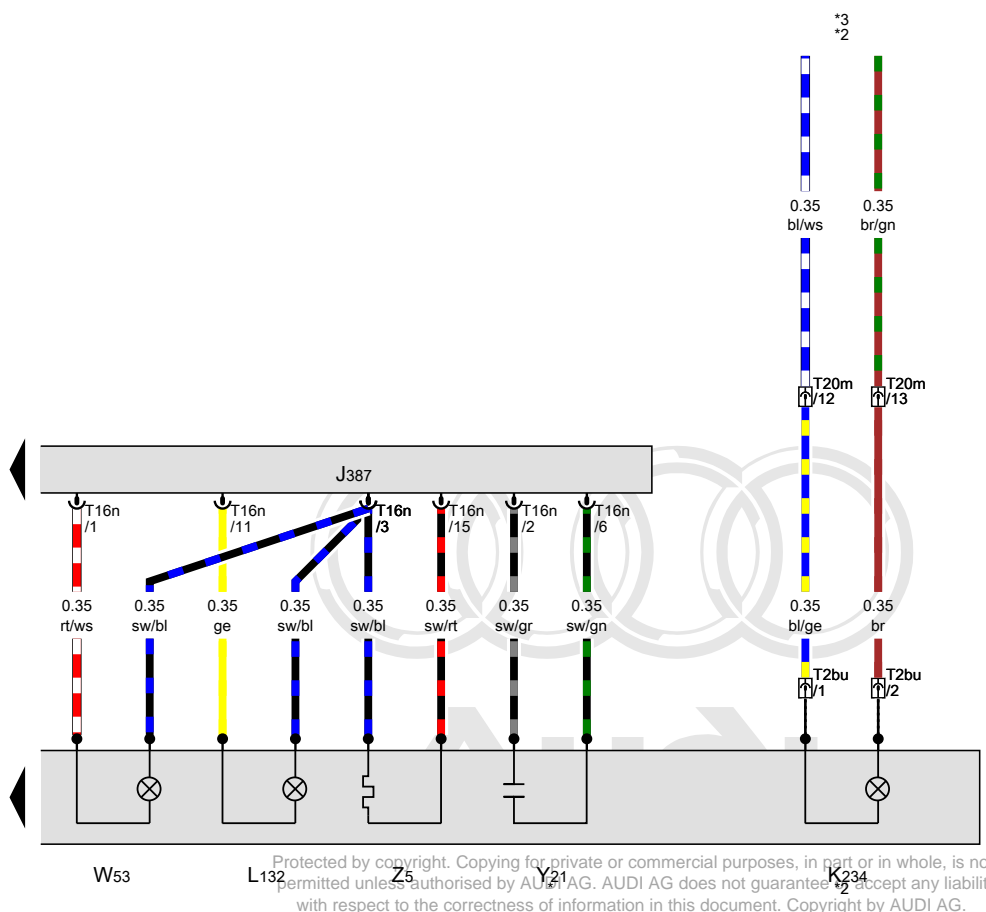
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 rs = pink

239 240 241 242 243 244 245 246 247 248 249 250 251 252

[A3B-08R191113]

Front passenger door control module, Lane change assistance warning lamp in front passenger exterior rearview mirror, Front passenger exterior rearview mirror turn signal bulb, Front passenger entry lamp in exterior rearview mirror, Front passenger automatic dimming exterior rearview mirror, Heated front passenger exterior rearview mirror

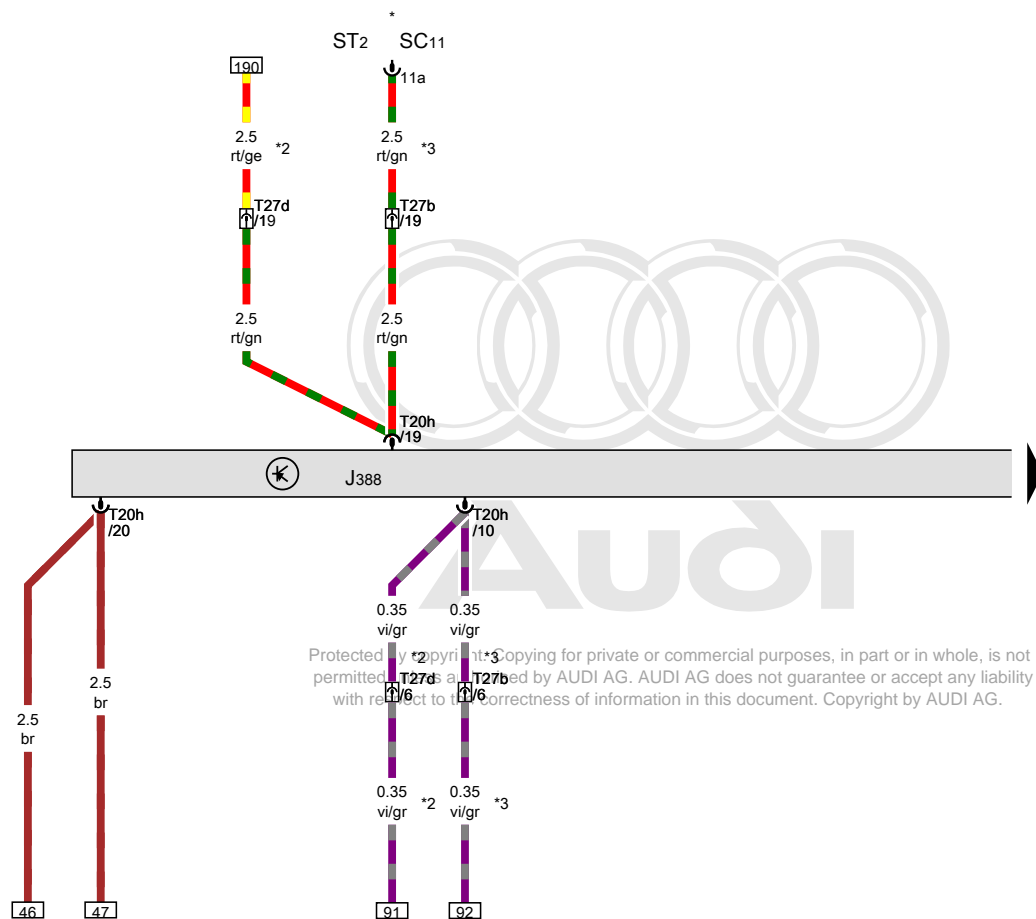
- J387 Front passenger door control module
- K234 Lane change assistance warning lamp in front passenger exterior rearview mirror
- L132 Front passenger exterior rearview mirror turn signal bulb
- T2bu Double connector, black
- T16n 16-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- W53 Front passenger entry lamp in exterior rearview mirror
- Y21 Front passenger automatic dimming exterior rearview mirror
- Z5 Heated front passenger exterior rearview mirror
- \* Only for vehicles with automatic dimming exterior rearview mirror
- \*2 Only for vehicles with lane assist
- \*3 Refer to applicable wiring diagram



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# Left rear door control module

- J388 Left rear door control module
- ST2 Fuse panel 2
- SC11 Fuse 11 (on fuse panel C)
- T20h 20-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for right-hand drive vehicles
- \*3 Only for left-hand drive vehicles



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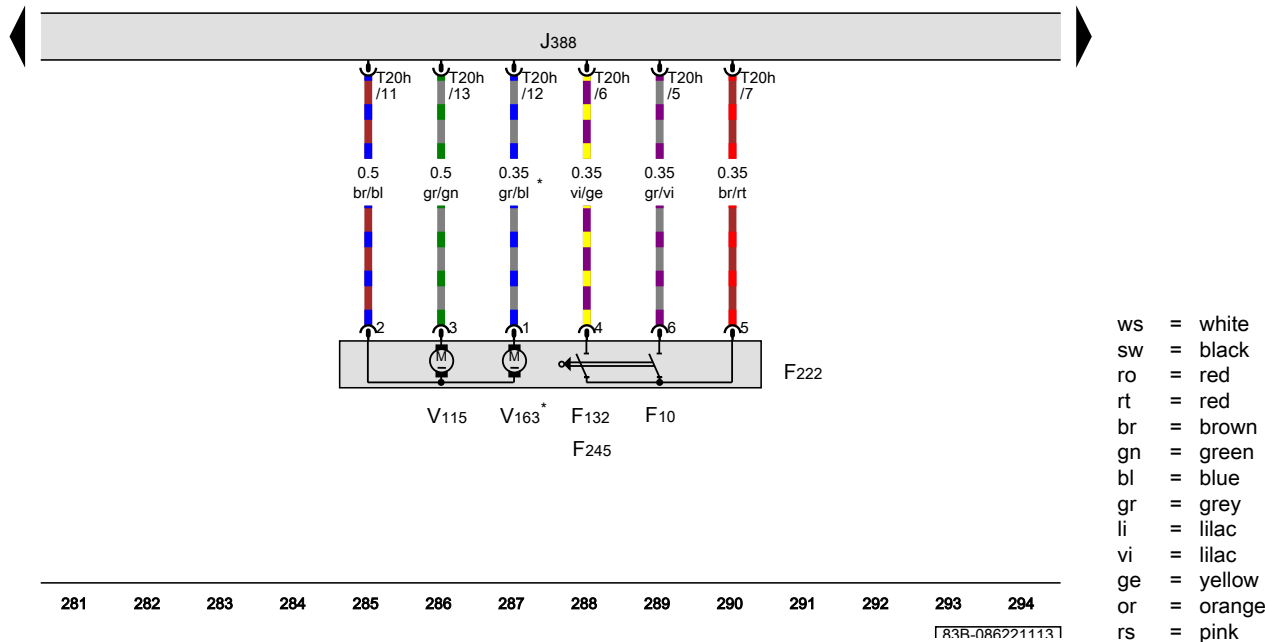
267 268 269 270 271 272 273 274 275 276 277 278 279 280

[A3B-086211113]

Left rear central locking lock unit, Left rear door control module

- F10 Left rear door contact switch
- F132 Left rear central locking system actuator
- F222 Left rear central locking lock unit
- F245 Left rear door central locking -SAFE- function actuator
- J388 Left rear door control module
- T20h 20-pin connector
- V115 Left rear central locking system motor
- V163 Left rear central locking -SAFE- motor
- \* Only for vehicles with SAFE function

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Left rear power window switch in left rear door, Left rear interior locking switch, Left rear door control module

- E52 Left rear power window switch in left rear door
- E273 Left rear interior locking switch
- J388 Left rear door control module
- L156 Switch illumination bulb
- T16o 16-pin connector

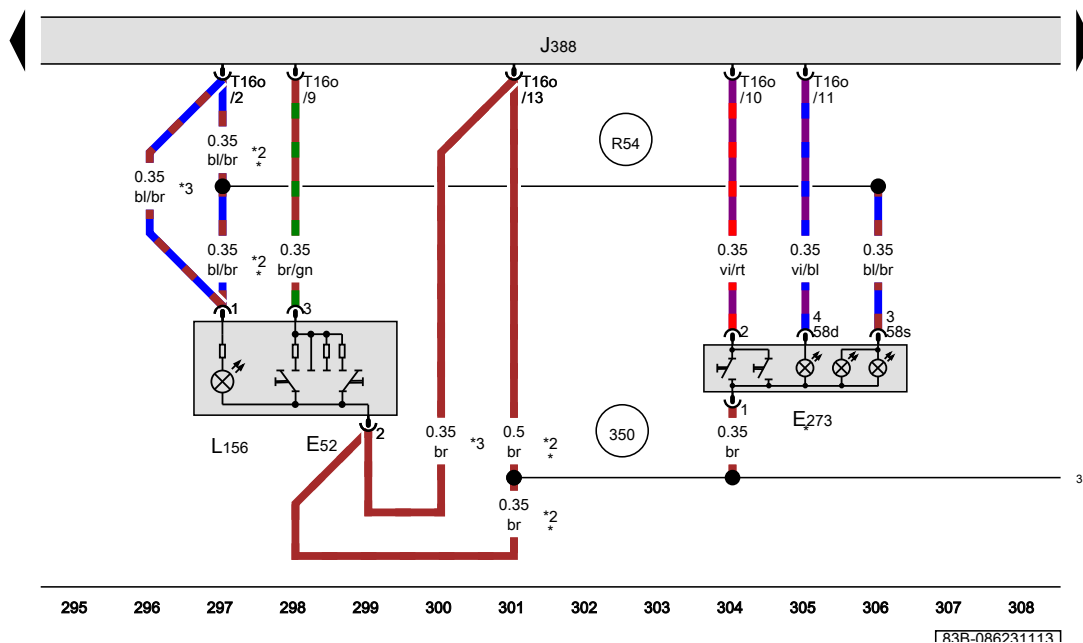
350 Ground connection 2 (in left rear door wiring harness)

R54 Connection 58s (in left rear door wiring harness)

\* Only for vehicles with US equipment

\*2 Depending on equipment

\*3 Only for vehicles without US equipment

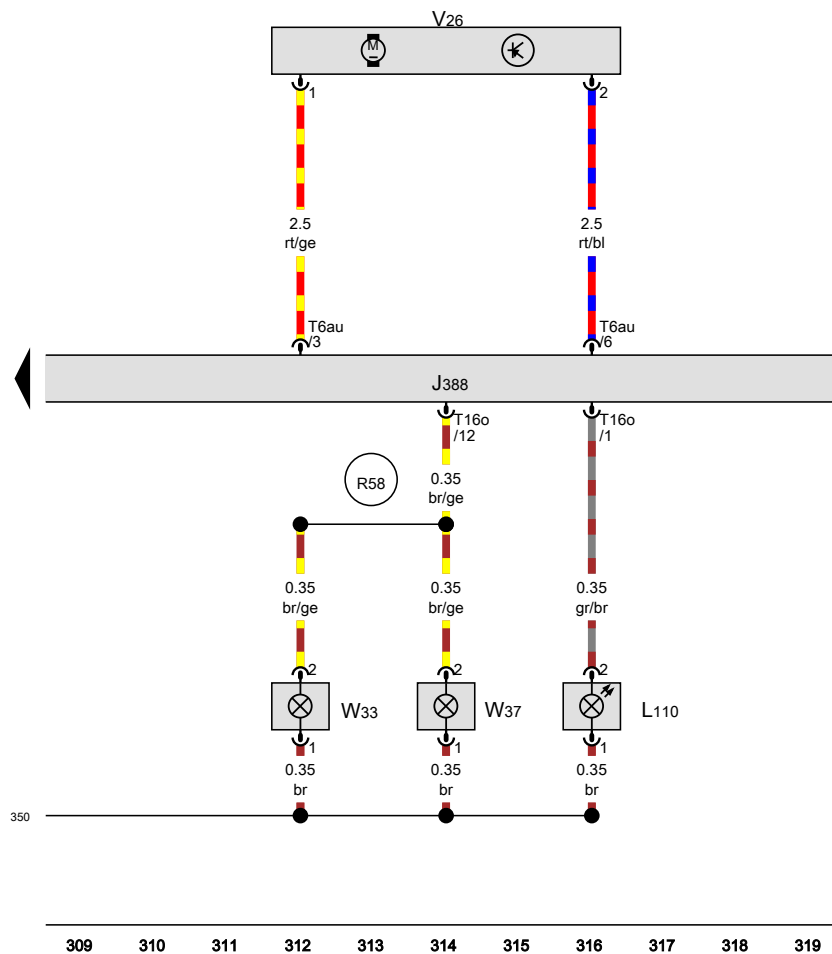


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Left rear door control module, Left rear door opener illumination bulb, Left rear window regulator motor, Left rear entry lamp, Left rear door warning lamp

- J388 Left rear door control module
- L110 Left rear door opener illumination bulb
- T6au 6-pin connector
- T16o 16-pin connector
- V26 Left rear window regulator motor
- W33 Left rear entry lamp
- W37 Left rear door warning lamp

- (350) Ground connection 2 (in left rear door wiring harness)
- (R58) Entry lamp connection (in left rear door wiring harness)



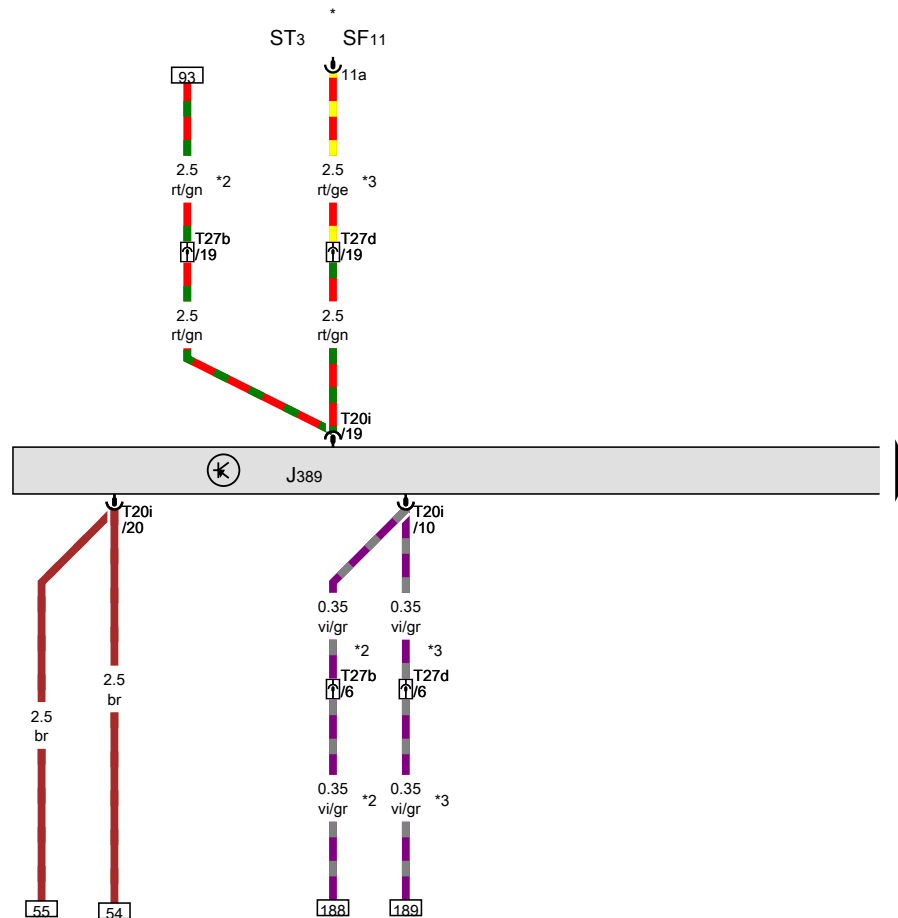
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- rs = pink

[A3B-08R241113]

### Right rear door control module

- J389 Right rear door control module
- ST3 Fuse panel 3
- SF11 Fuse 11 (on fuse panel F)
- T20i 20-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for right-hand drive vehicles
- \*3 Only for left-hand drive vehicles



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323 324 325 326 327 328 329 330 331 332 333 334 335 336

[83B-08A251113]

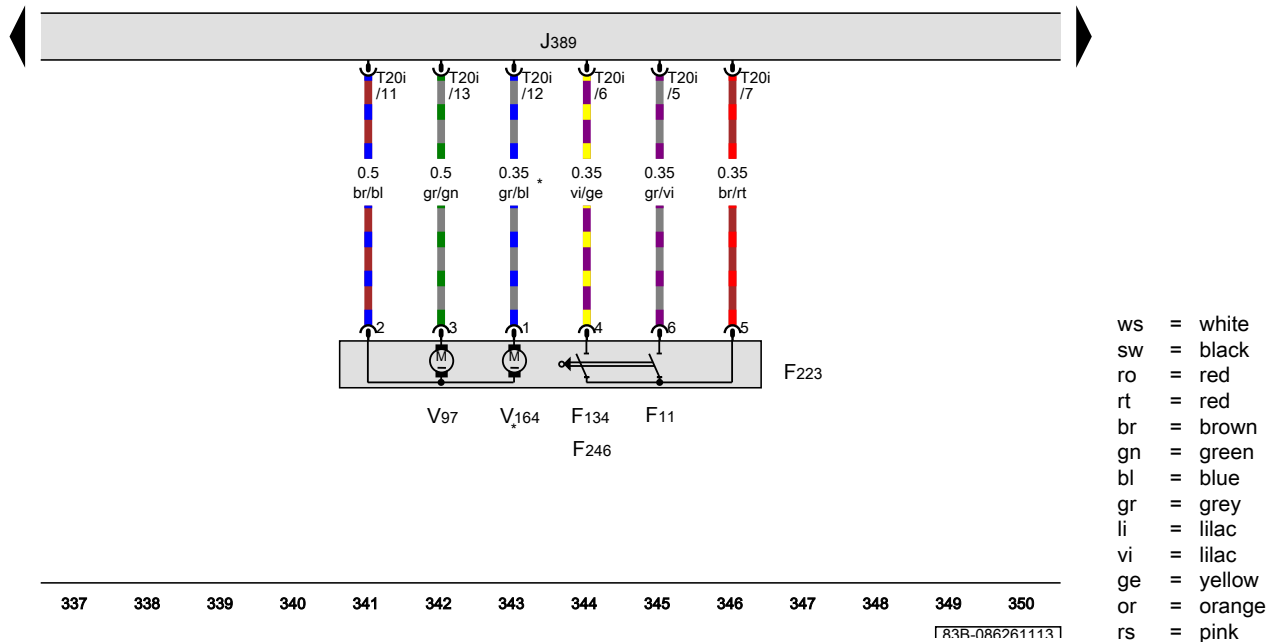




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## Right rear central locking lock unit, Right rear door control module

- F11 Right rear door contact switch
- F134 Right rear central locking system actuator
- F223 Right rear central locking lock unit
- F246 Right rear door central locking -SAFE- function actuator
- J389 Right rear door control module
- T20i 20-pin connector
- V97 Right rear door central locking system motor
- V164 Right rear central locking -SAFE- motor
- \* Only for vehicles with SAFE function



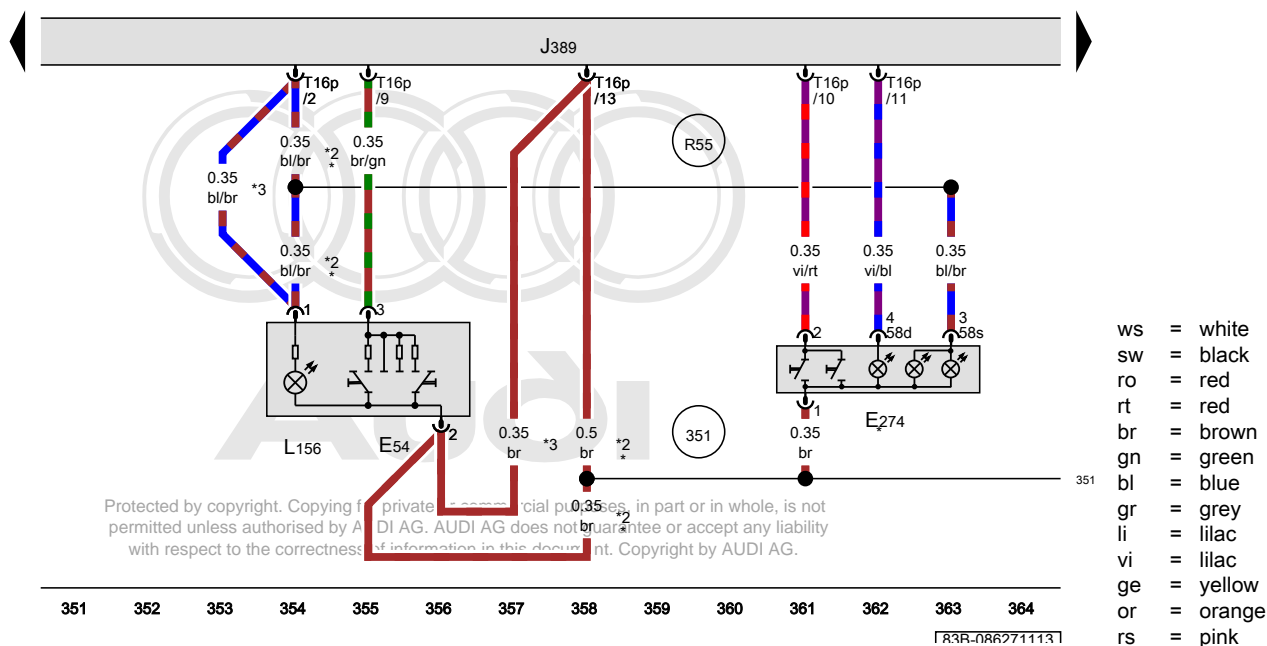
Right rear window switch in right rear door, Right rear interior locking switch, Right rear door control module

- E54 Right rear window switch in right rear door
- E274 Right rear interior locking switch
- J389 Right rear door control module
- L156 Switch illumination bulb
- T16p 16-pin connector

351 Ground connection 2 (in right rear door wiring harness)

R55 Connection 58s (in right rear door wiring harness)

- \* Only for vehicles with US equipment
- \*2 Depending on equipment
- \*3 Only for vehicles without US equipment

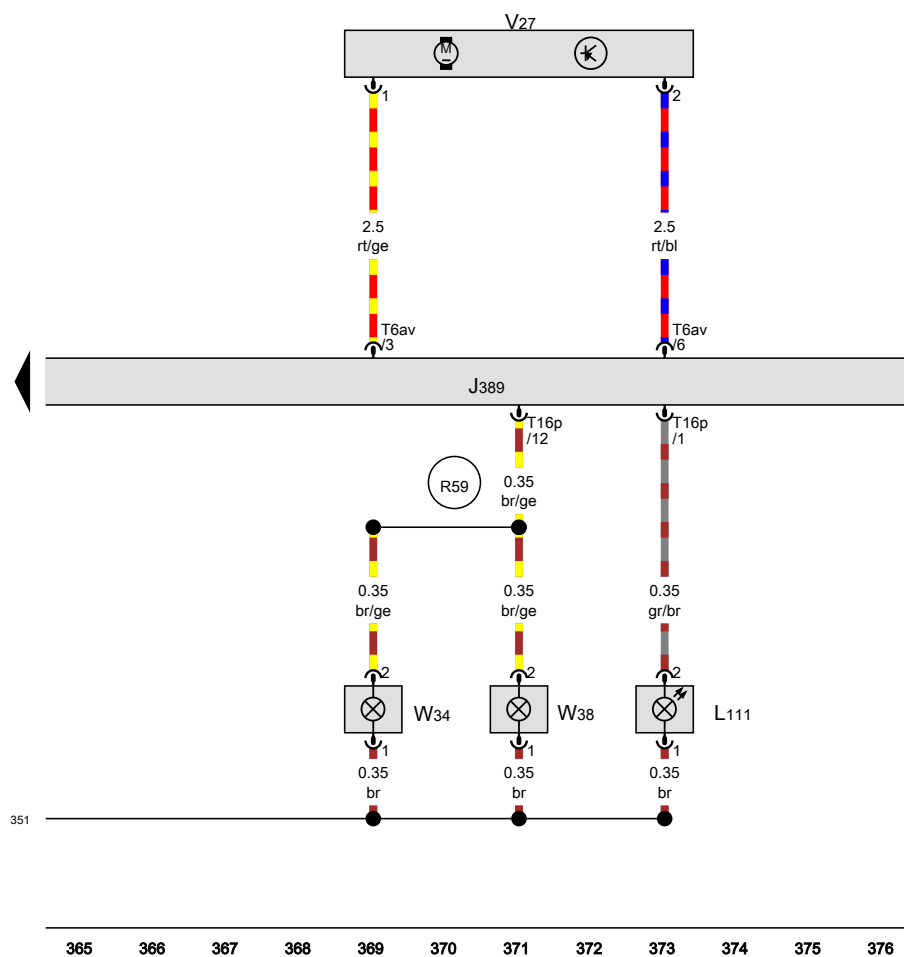


Right rear door control module, Right rear door opener illumination bulb, Right rear window regulator motor, Right rear entry lamp, Right rear door warning lamp

- J389 Right rear door control module
- L111 Right rear door opener illumination bulb
- T6av 6-pin connector
- T16p 16-pin connector
- V27 Right rear window regulator motor
- W34 Right rear entry lamp
- W38 Right rear door warning lamp

351 Ground connection 2 (in right rear door wiring harness)

R59 Entry lamp connection (in right rear door wiring harness)



[A3B-08A2R1113]

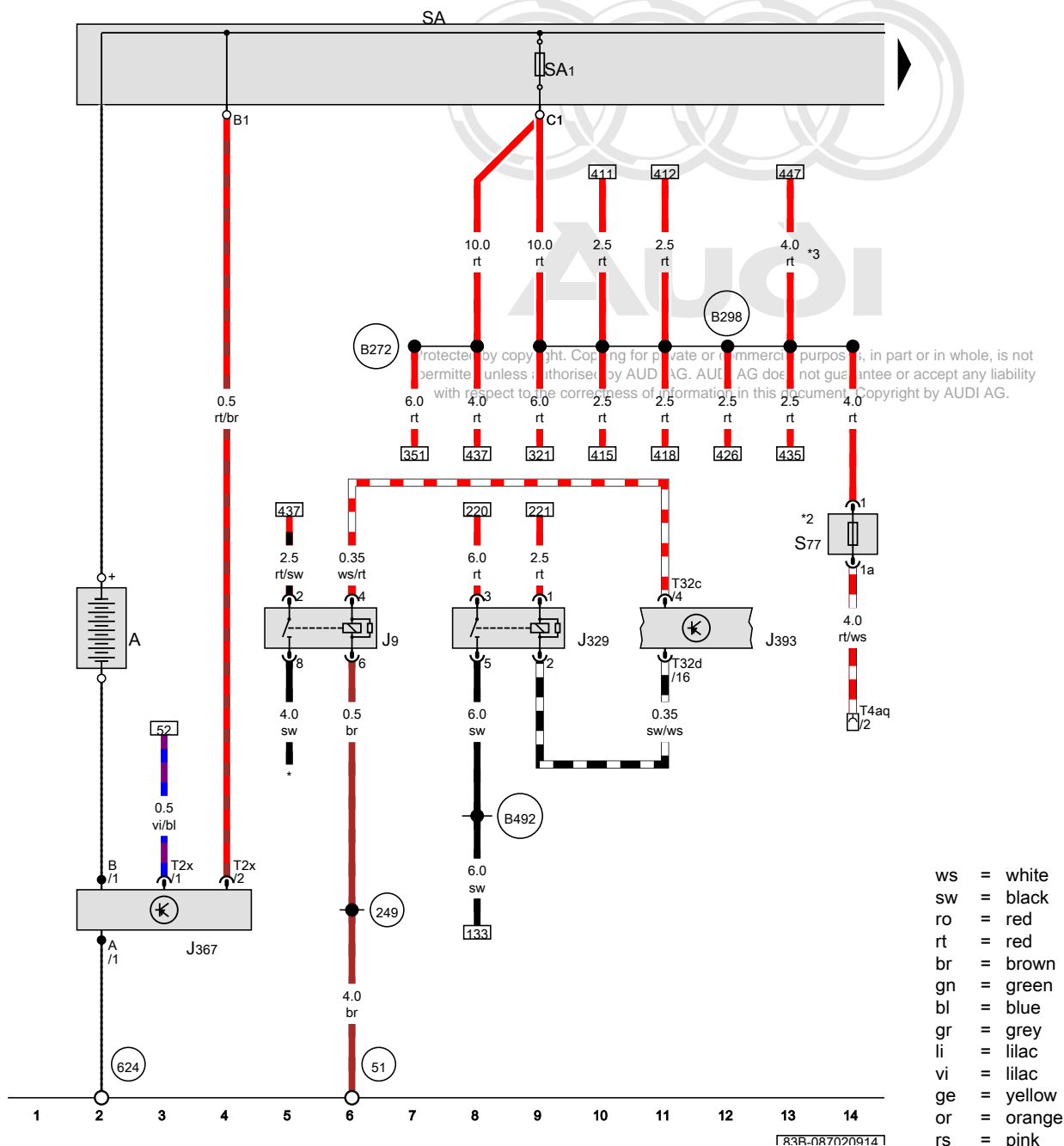
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**Fuse positions**  
from May 2012

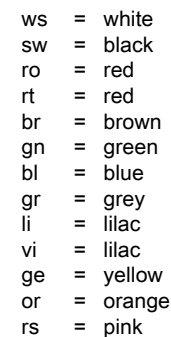


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# Battery, Battery monitoring control module, Fuse 1 (on fuse panel A), Trailer fuse (terminal 30), B+

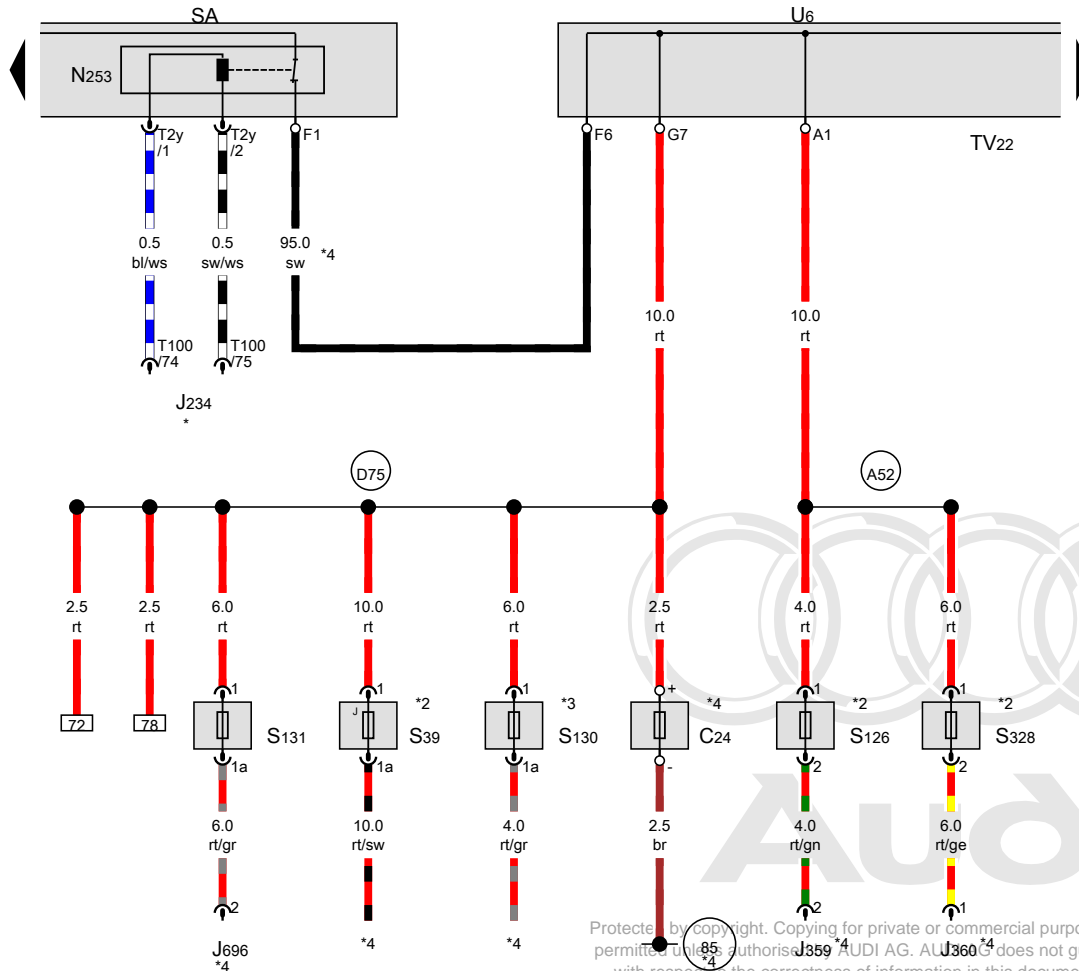
- A Battery
- J9 Rear window defogger relay
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA1 Fuse 1 (on fuse panel A)
- S77 Trailer fuse (terminal 30), B+
- SA Fuse panel A
- T2x Double connector
- T4aq 4-pin connector, black
- T32c 32-pin connector
- T32d 32-pin connector
- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 624 Ground connection near starter battery
- B272 Positive connection (30) (in main wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to applicable wiring diagram for trailer prewiring
- \*3 Only for vehicles with reducing agent metering system



J104	ABS control module
SA2	Fuse 2 (on fuse panel A)
SA3	Fuse 3 (on fuse panel A)
S123	ABS control module fuse 1
S124	ABS control module fuse 2
S137	ABS control module fuse 3
SA	Fuse panel A
T38a	38-pin connector

- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- B299 Positive connection 3 (30) (in main wiring harness)
- B303 Positive connection 7 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for engine/coolant fan
- \*2 Only for left-hand drive vehicles
- \*3 Only for right-hand drive vehicles
- \*4 Refer to applicable wiring diagram for ABS
- \*5 Diameter depends on equipment
- \*6 Refer to applicable engine wiring diagram

2 Only for left-hand drive vehicles  
3 Only for right-hand drive vehicles  
4 Refer to applicable wiring diagram for this document. Copyright by AUDI AG.

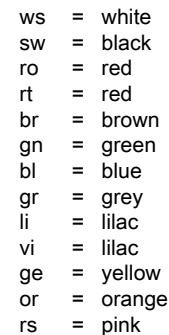


Battery interrupt igniter, Terminal 30 wire junction 2, Battery jump start terminal

- C24 Suppressor
- J234 Airbag control module
- J359 Low heat output relay
- J360 High heat output relay
- J696 Transmission cooling circuit relay
- N253 Battery interrupt igniter
- S39 Engine glow plug fuse strip
- S126 Auxiliary heater fuse
- S130 Secondary air injection pump fuse
- S131 Safety fuse 1
- S328 Auxiliary heater fuse 2
- SA Fuse panel A
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- U6 Battery jump start terminal

- 85 Ground connection 1 (in engine compartment wiring harness)
- A52 Positive connection 2 (30) (in instrument panel wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable airbag wiring diagram
- \*2 Only for vehicles with a diesel engine
- \*3 Only for vehicles with gasoline engine
- \*4 Refer to applicable engine wiring diagram

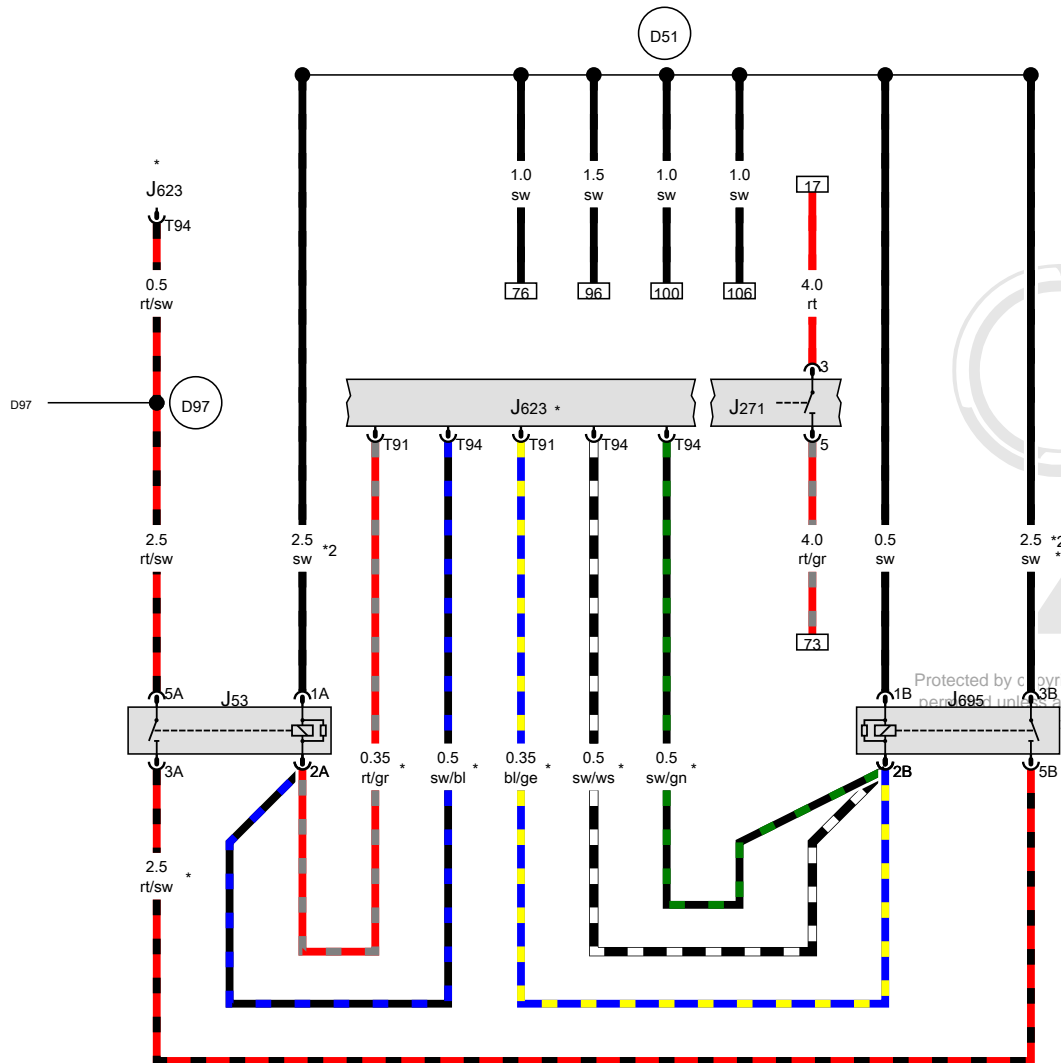
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- rs = pink



\* Refer to applicable coolant fan wiring diagram  
\*2 Only for vehicles with Stop/Start system  
\*3 Only for vehicles with Start/Stop system



Starter relay, Relay 2 for starter



- J53 Starter relay
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J695 Relay 2 for starter
- T91 91-pin connector
- T94 94-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 1.5 diameter possible

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Fuse 1 (on fuse panel B), Fuse panel 1, Fuse 6 (on fuse panel B)

- G70 Mass airflow sensor
- G266 Oil level thermal sensor
- J217 Transmission control module
- J623 Engine control module
- J743 DSG transmission Mechatronic
- SB1 Fuse 1 (on fuse panel B)
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)

D101 Connection 1 (in engine compartment wiring harness)

D102 Connection 2 (in engine compartment wiring harness)

D103 Connection 3 (in engine compartment wiring harness)

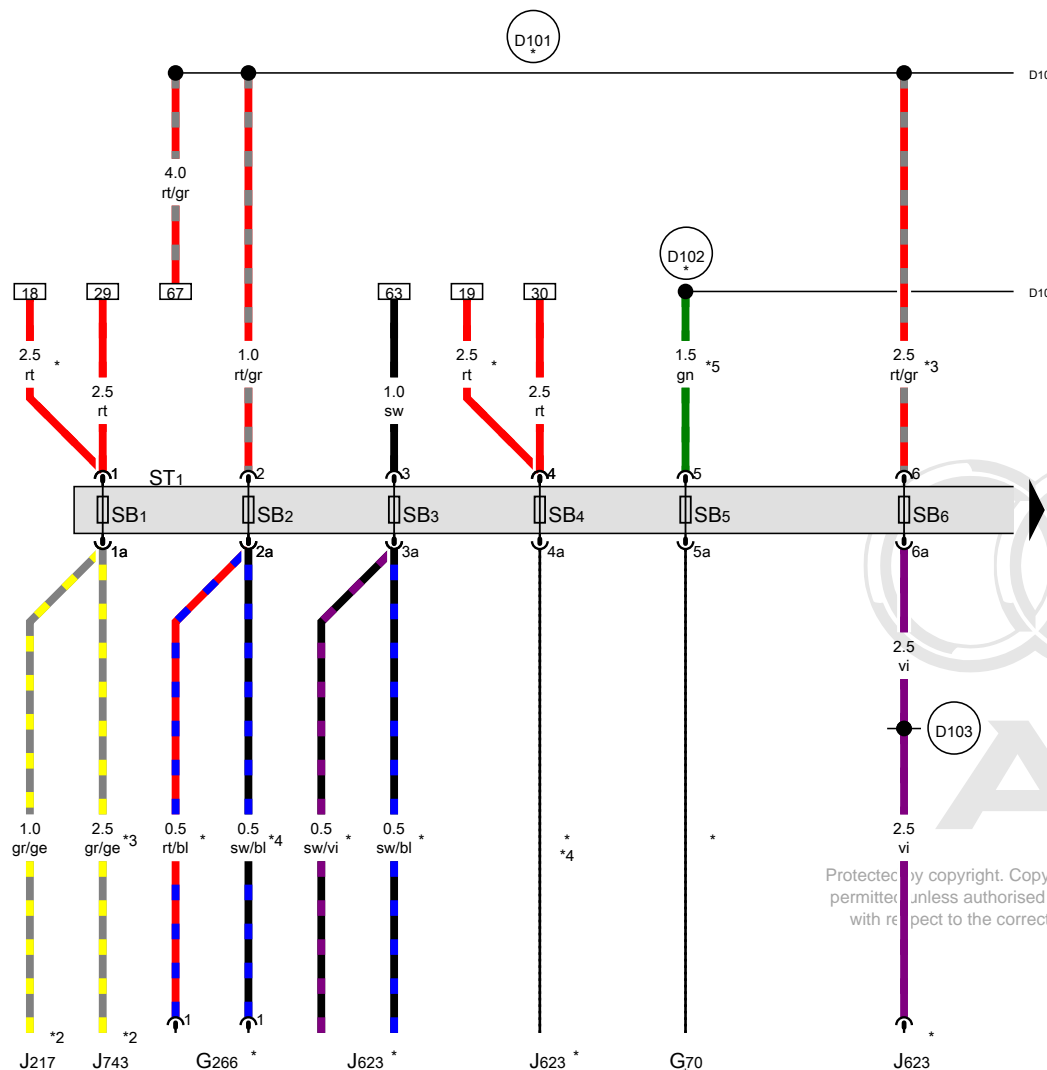
\* Refer to applicable engine wiring diagram

\*2 Refer to applicable transmission wiring diagram

\*3 1.5 diameter possible

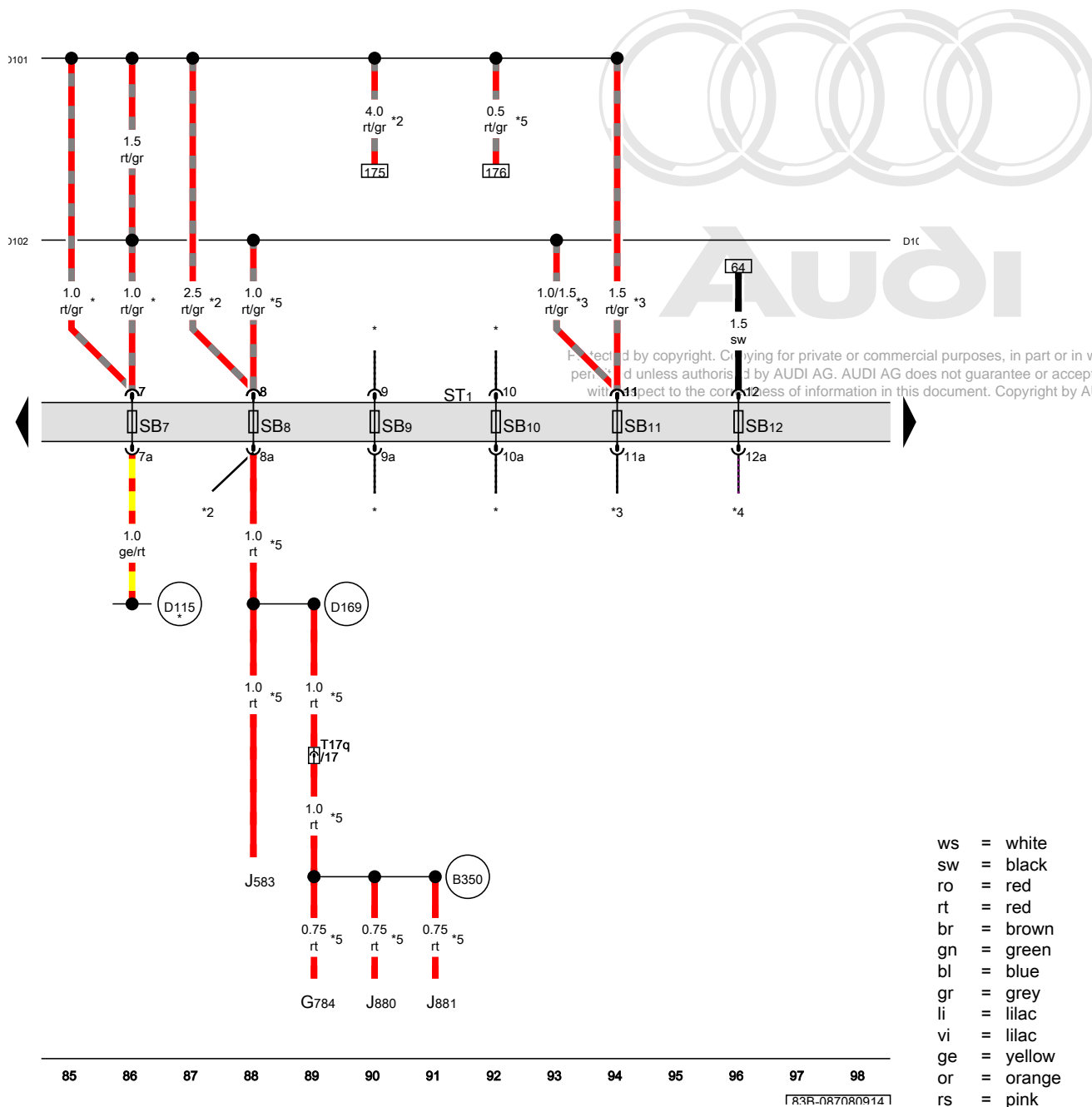
\*4 Diameter depends on equipment

\*5 The color of the wires depends on vehicle equipment



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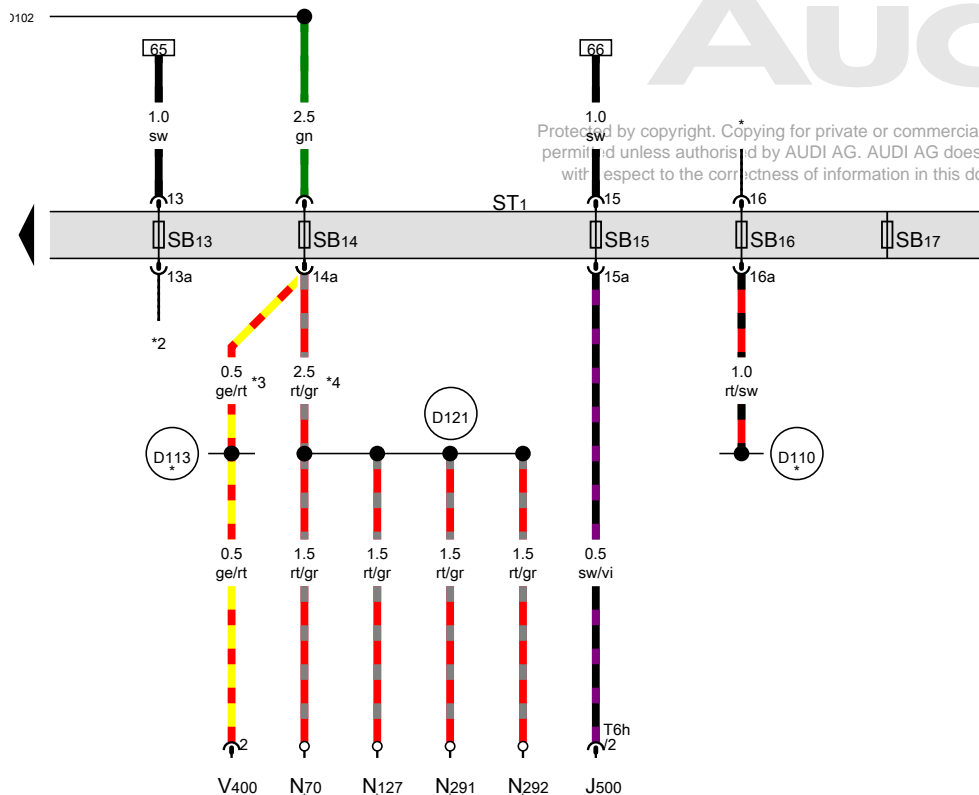


# Fuse panel 1, Fuse 7 (on fuse panel B), Fuse 12 (on fuse panel B)

- G784 Particulate sensor
- J583 NOx sensor control module
- J880 Reducing agent metering system control module
- J881 NOx sensor control module 2
- ST1 Fuse panel 1
- 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)
- T17q 17-pin connector

- B350 Positive connection 1 (87a) (in main wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D115 Connection 13 (in engine compartment wiring harness)
- D169 NOx connection (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Only for vehicles with gasoline engine
- \*3 Refer to applicable coolant fan wiring diagram
- \*4 Refer to applicable transmission wiring diagram
- \*5 Only for vehicles with a diesel engine



## Fuse panel 1, Fuse 13 (on fuse panel B), Fuse 17 (on fuse panel B)

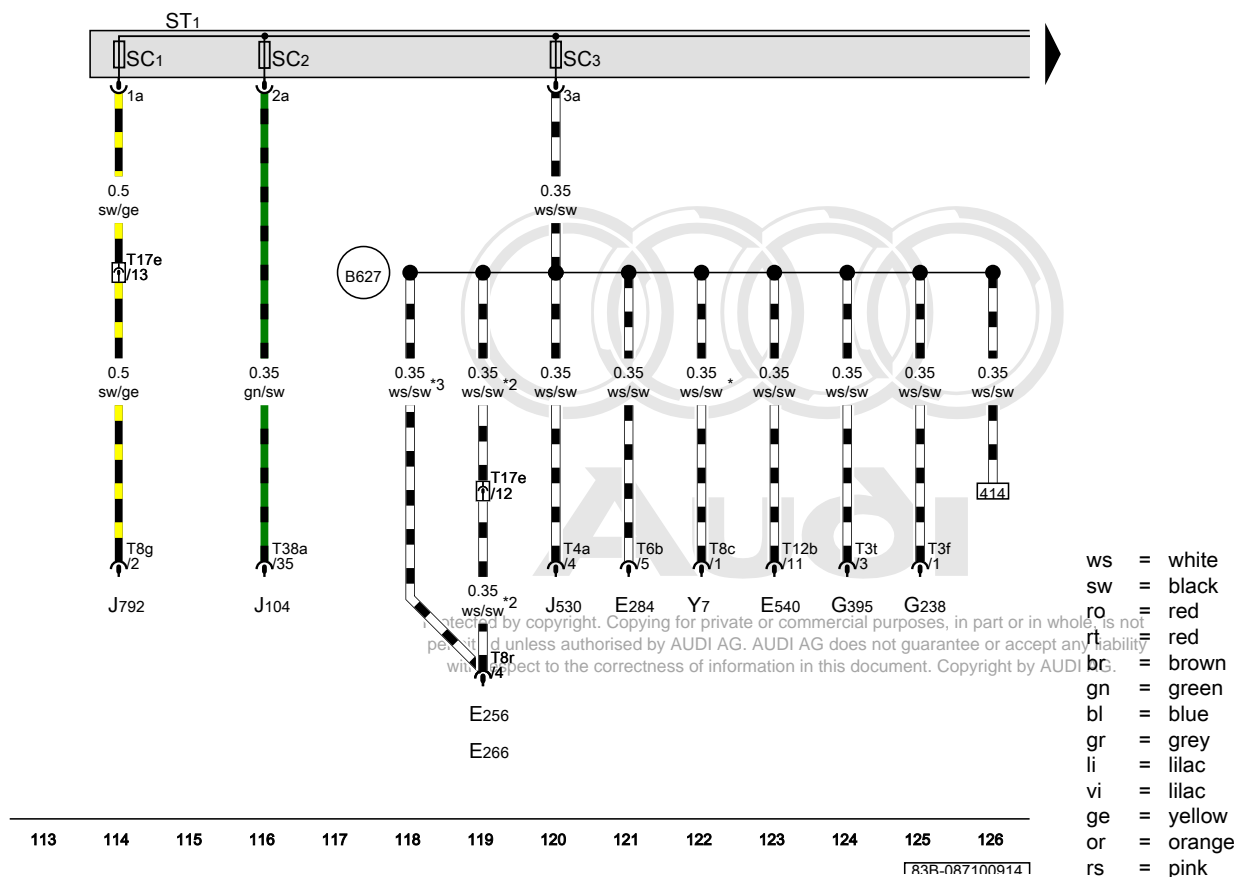
- J500 Power steering control module
- N70 Ignition coil 1 with power output stage
- N127 Ignition coil 2 with power output stage
- N291 Ignition coil 3 with power output stage
- N292 Ignition coil 4 with power output stage
- ST1 Fuse panel 1
- SB13 Fuse 13 (on fuse panel B)
- SB14 Fuse 14 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- SB17 Fuse 17 (on fuse panel B)
- T6h 6-pin connector
- V400 EGR cooler pump

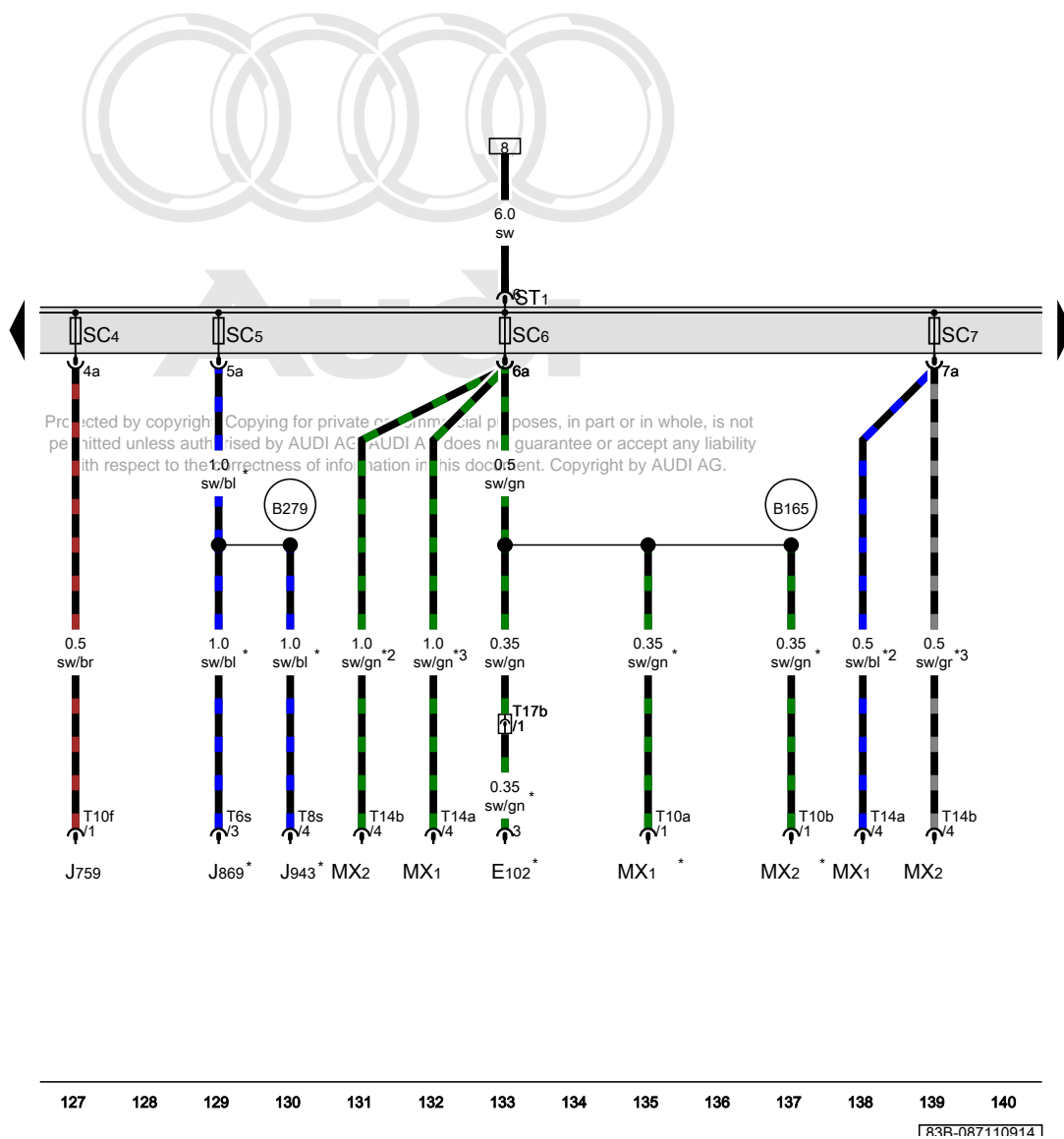
- D102 Connection 2 (in engine compartment wiring harness)
- D110 Connection 8 (in engine compartment wiring harness)
- D113 Connection 11 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable wiring diagram for automatic transmission
- \*3 Only for vehicles with a diesel engine
- \*4 Only for vehicles with gasoline engine

# Fuse panel 1, Fuse 1 (on fuse panel C)

- E256 ASR/ESP button
- E266 Parking aid button
- E284 Garage door opener control head
- E540 -AUTO HOLD- button
- G238 Air quality sensor
- G395 A/C pressure/temperature sensor
- J104 ABS control module
- J530 Garage door opener control module
- J792 Active steering control module
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- T3f 3-pin connector
- T3t 3-pin connector
- T4a 4-pin connector
- T6b 6-pin connector
- T8c 8-pin connector
- T8g 8-pin connector
- T8r 8-pin connector
- T12b 12-pin connector
- T17e 17-pin connector, in the left A-pillar connector station
- T38a 38-pin connector
- Y7 Automatic dimming interior rearview mirror
- B627 Positive connection 3 (15) (in main wiring harness)
- \* Only for vehicles without Start/Stop system
- \*2 Only for vehicles with radio navigation system
- \*3 Depending on equipment





# Fuse panel 1, Fuse 5 (on fuse panel C), Fuse 6 (on fuse panel C), Fuse 7 (on fuse panel C)

- E102 Headlamp range control adjuster
- J759 Directional stabilization assistance control module
- J869 Structure borne sound control module
- J943 Engine sound generator control module
- MX1 Left front headlamp
- MX2 Right front headlamp
- ST1 Fuse panel 1
- 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)
- T6s 6-pin connector
- T8s 8-pin connector
- T10a 10-pin connector
- T10b 10-pin connector
- T10f 10-pin connector
- T14a 14-pin connector
- T14b 14-pin connector
- T17b 17-pin connector, in the left A-pillar connector station

B165 Positive connection 2 (15) (in interior wiring harness)

B279 Positive connection 3 (15a) (in main wiring harness)

- \* Depending on equipment
- \*2 Only for left-hand drive vehicles
- \*3 Only for right-hand drive vehicles

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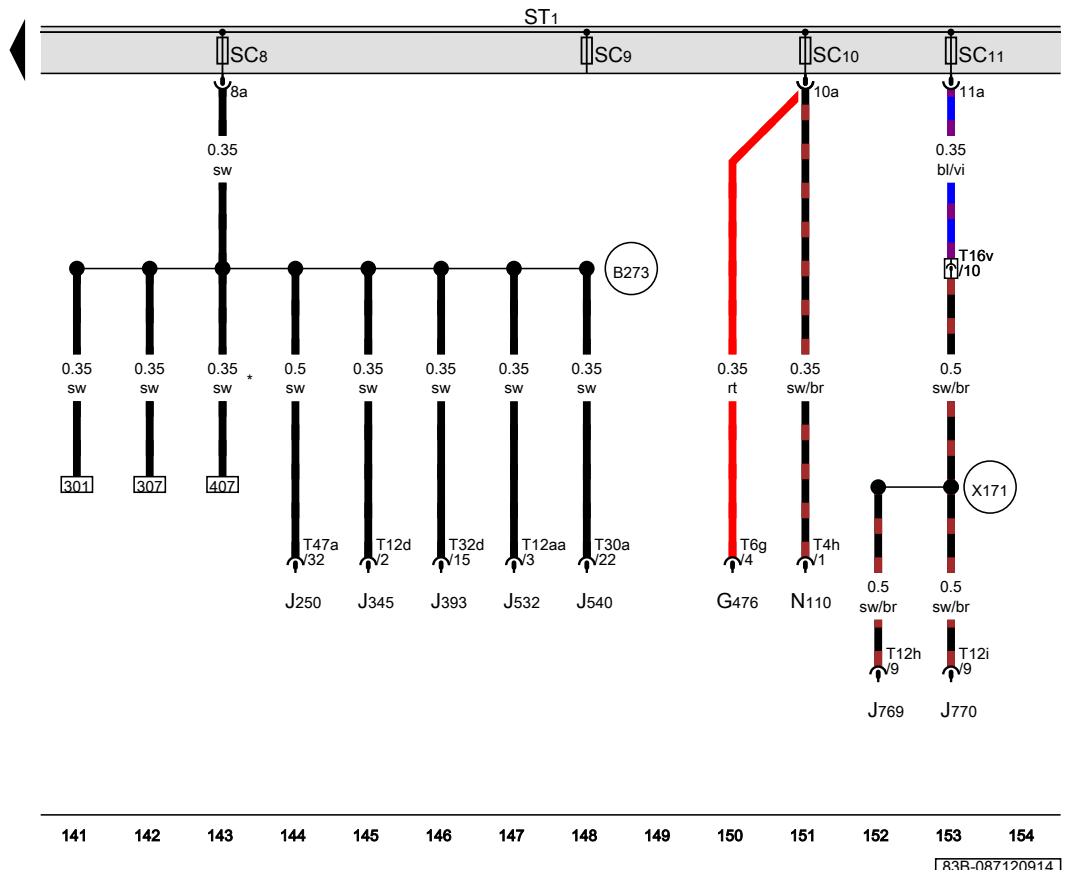
# Fuse panel 1, Fuse 8 (on fuse panel C)

- G476 Clutch position sensor
- J250 Electronic damping control module
- J345 Towing recognition control module
- J393 Comfort system central control module
- J532 Voltage stabilizer
- J540 Electromechanical parking brake control module
- J769 Lane change assistance control module
- J770 Lane change assistance control module 2
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T4h 4-pin connector
- T6g 6-pin connector
- T12aa 12-pin connector
- T12d 12-pin connector
- T12h 12-pin connector
- T12i 12-pin connector
- T16v 16-pin connector
- T30a 30-pin connector
- T32d 32-pin connector
- T47a 47-pin connector

B273 Positive connection (15) (in main wiring harness)

X171 Connection 15 (in rear bumper wiring harness)

\* Only for vehicles with Start/Stop system



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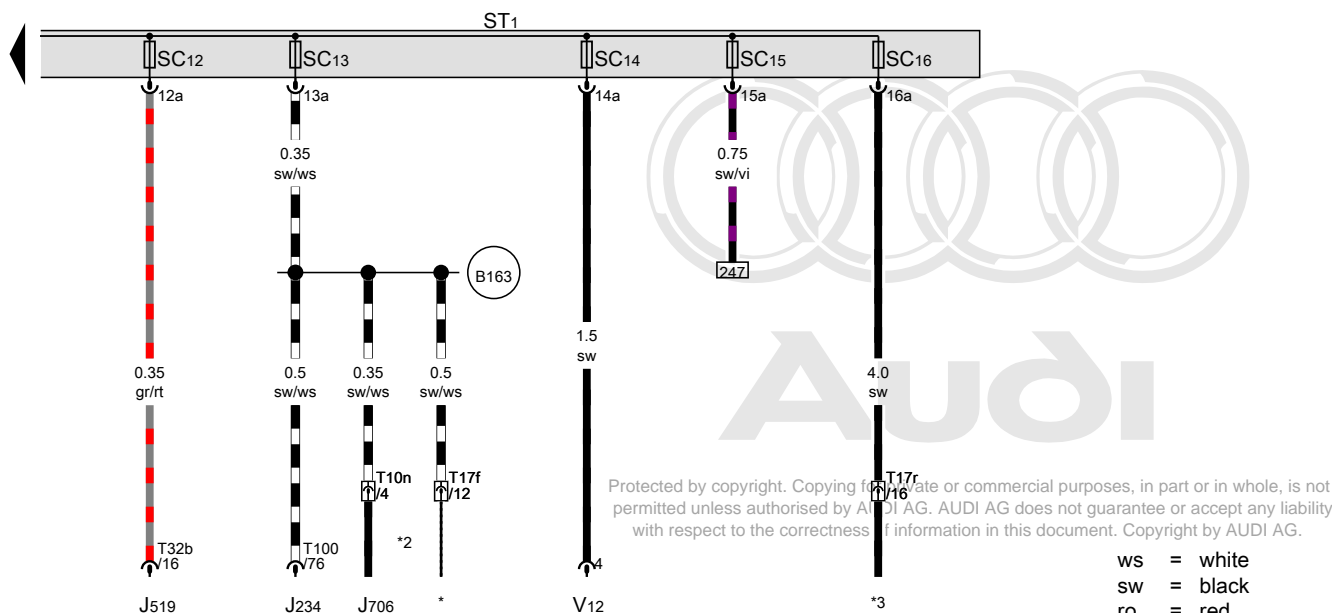
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Fuse panel 1, Fuse 12 (on fuse panel C), Fuse 13 (on fuse panel C), Fuse 16 (on fuse panel C)

- J234 Airbag control module
- J519 Vehicle electrical control module system
- J706 Passenger occupant detection system control module
- ST1 Fuse panel 1
- 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)
- SC16 Fuse 16 (on fuse panel C)
- T10n 10-pin connector, black
- T17f 17-pin connector, in the connector station, right A-pillar
- T17r 17-pin connector, in the E-box
- T32b 32-pin connector
- T100 100-pin connector
- V12 Rear window wiper motor

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

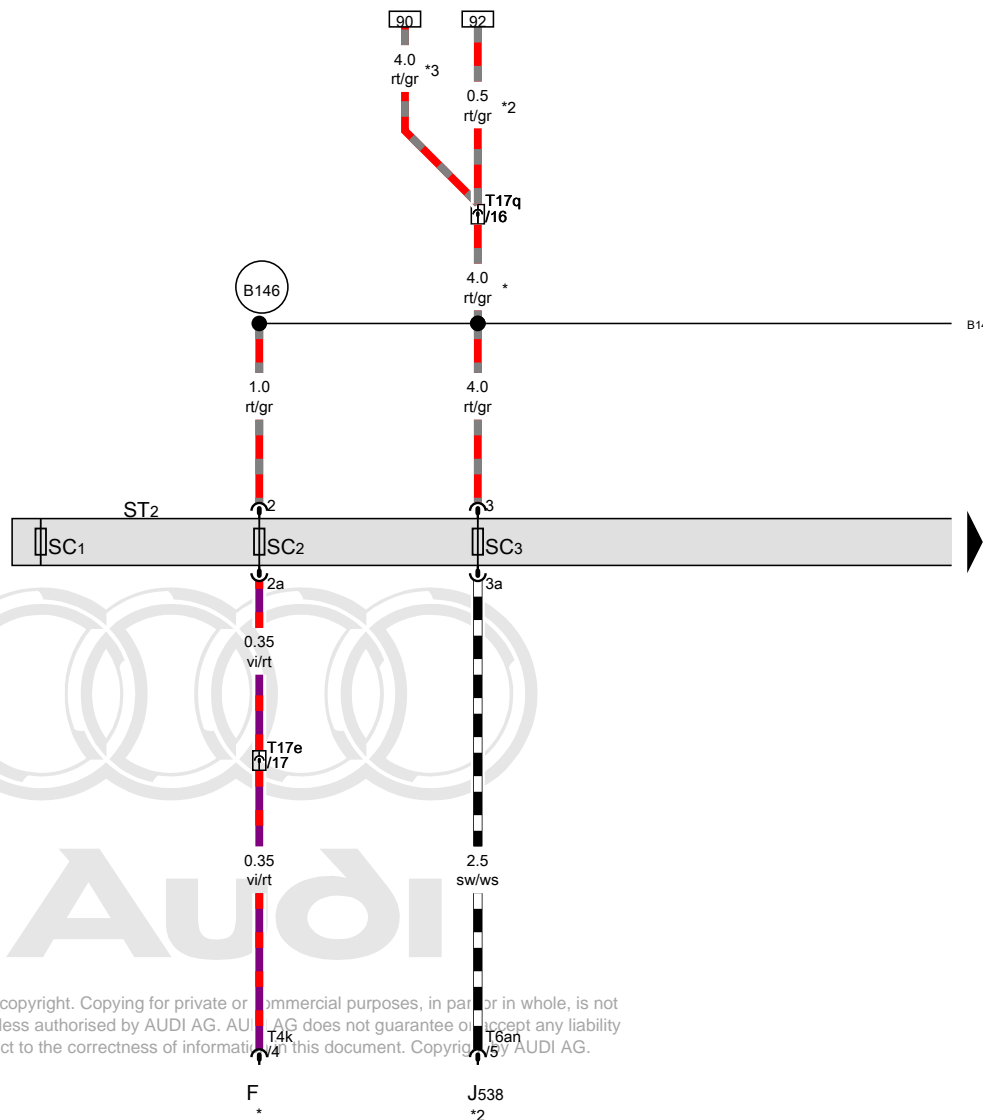
- \* Only for vehicles with standard equipment
- \*2 Refer to applicable seat adjustment wiring diagram
- \*3 Refer to applicable engine wiring diagram



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Fuse 1 (on fuse panel C), Fuse panel 2, Fuse 3 (on fuse panel C)

- F Brake lamp switch
- J538 Fuel pump control module
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- T4k 4-pin connector
- T6an 6-pin connector
- T17e 17-pin connector, in the left A-pillar connector station
- T17q 17-pin connector, in the E-box
- B146 Positive connection 1 (87) (in interior wiring harness)

- \* Refer to applicable engine wiring diagram
- \*2 Only for vehicles with a diesel engine
- \*3 Only for vehicles with gasoline engine

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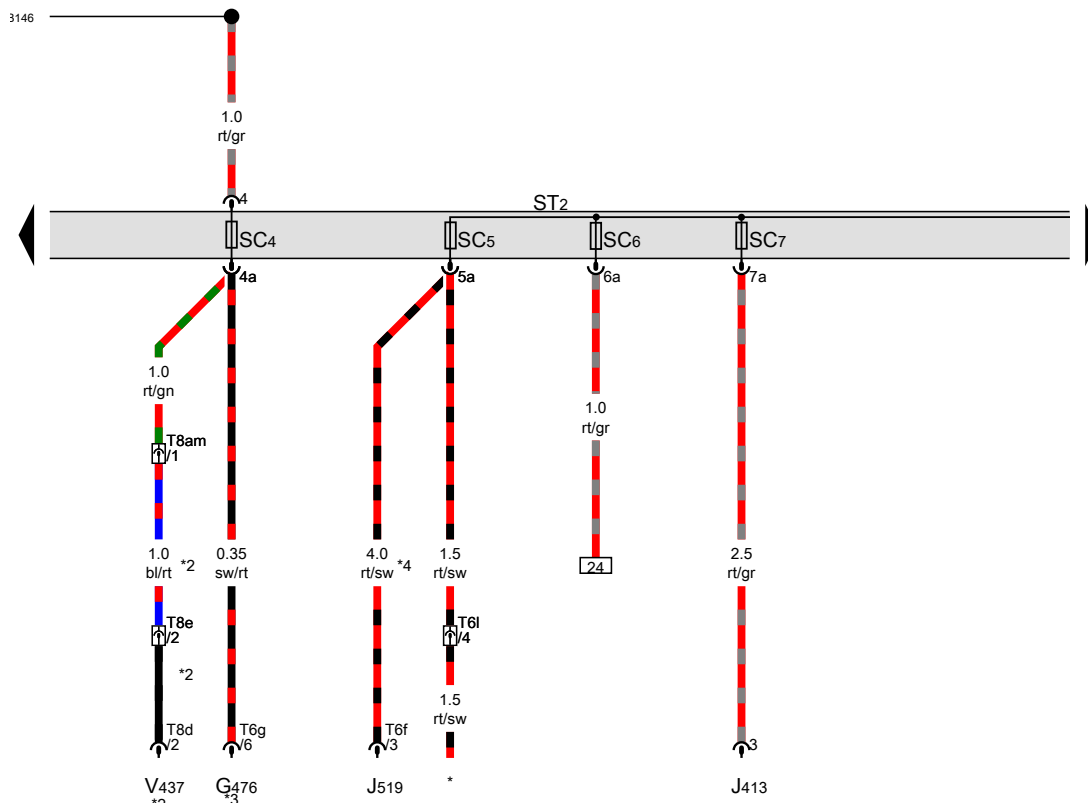
Fuse panel 2, Fuse 4 (on fuse panel C), Fuse 5 (on fuse panel C), Fuse 7 (on fuse panel C)

- G476 Clutch position sensor
- J413 Horn relay
- J519 Vehicle electrical control module system
- ST2 Fuse panel 2
- 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)
- T6f 6-pin connector
- T6g 6-pin connector
- T6l 6-pin connector, green
- T8am 8-pin connector, black
- T8d 8-pin connector
- T8e 8-pin connector
- V437 Reducing agent pump

B146 Positive connection 1 (87) (in interior wiring harness)

- \* Refer to the applicable heated seats wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 Only for vehicles with a manual transmission
- \*4 Diameter depends on equipment

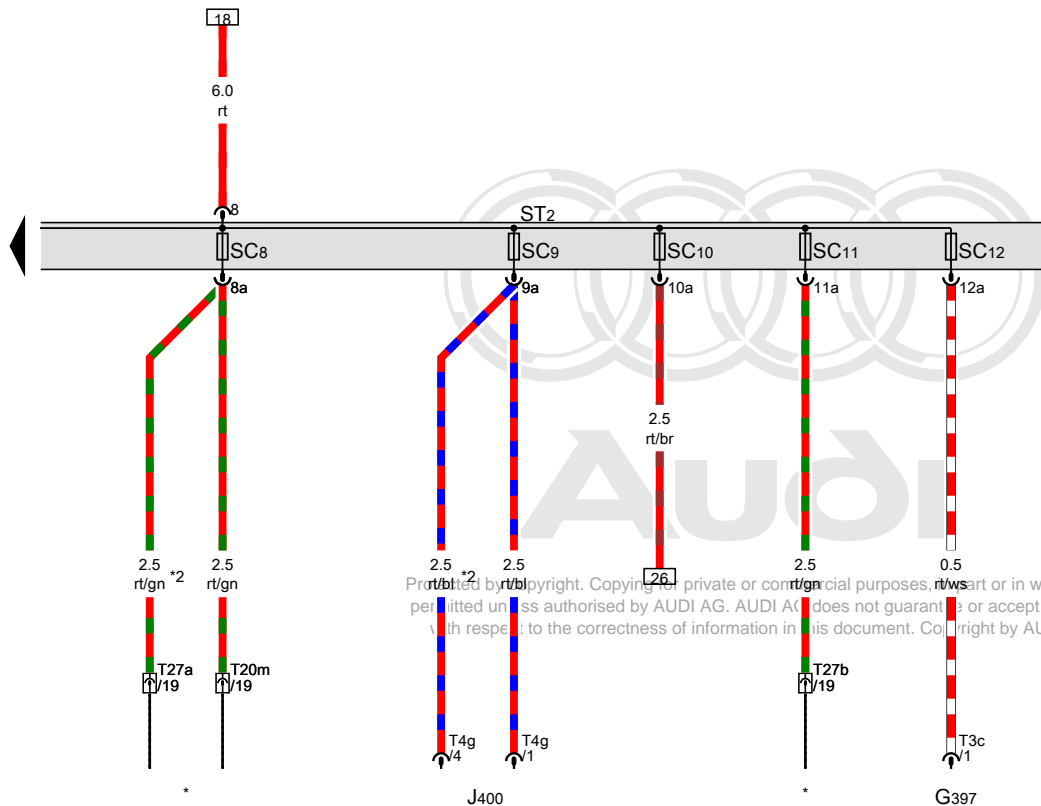
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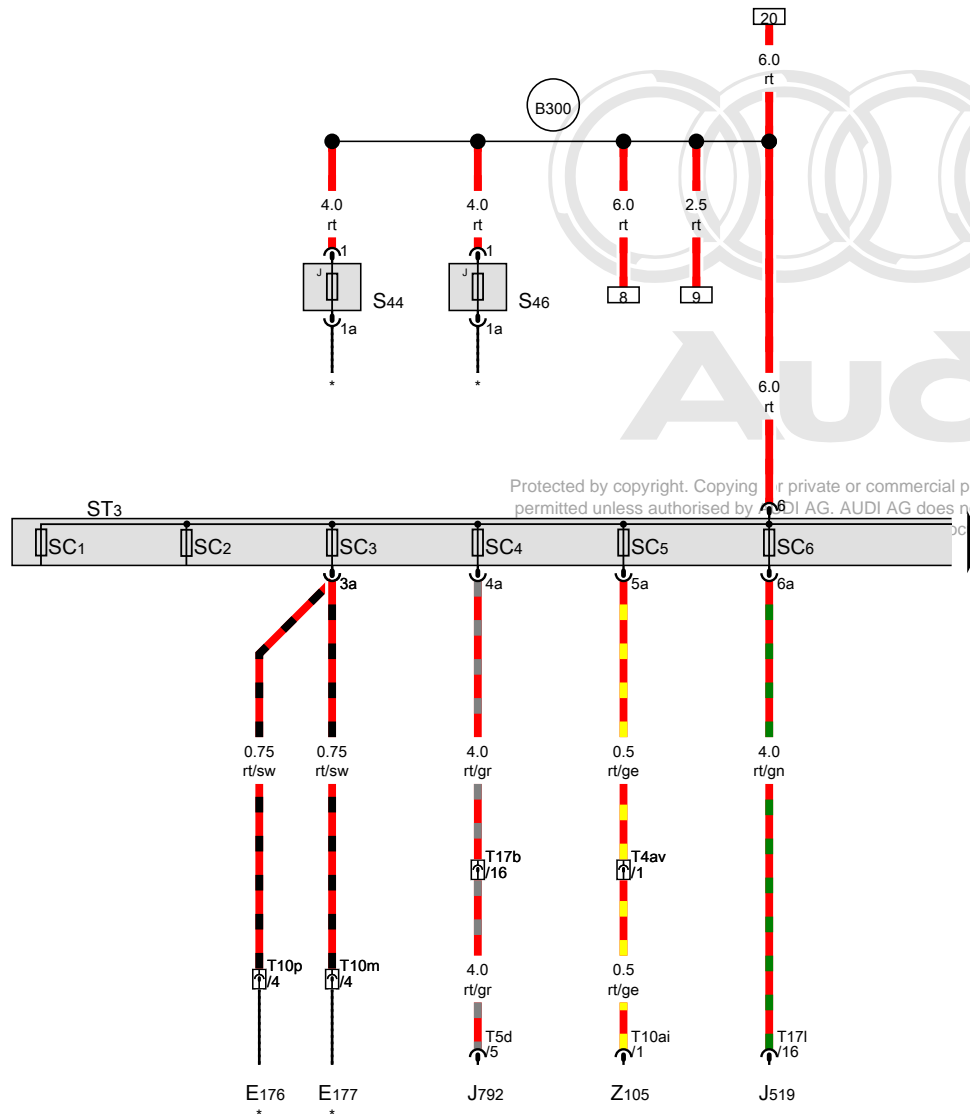
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Fuse panel 2, Fuse 8 (on fuse panel C), Fuse 12 (on fuse panel C)

- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, Right A-pillar, bottom
- \* Refer to applicable convenience system wiring diagram
- \*2 Only for left-hand drive vehicles



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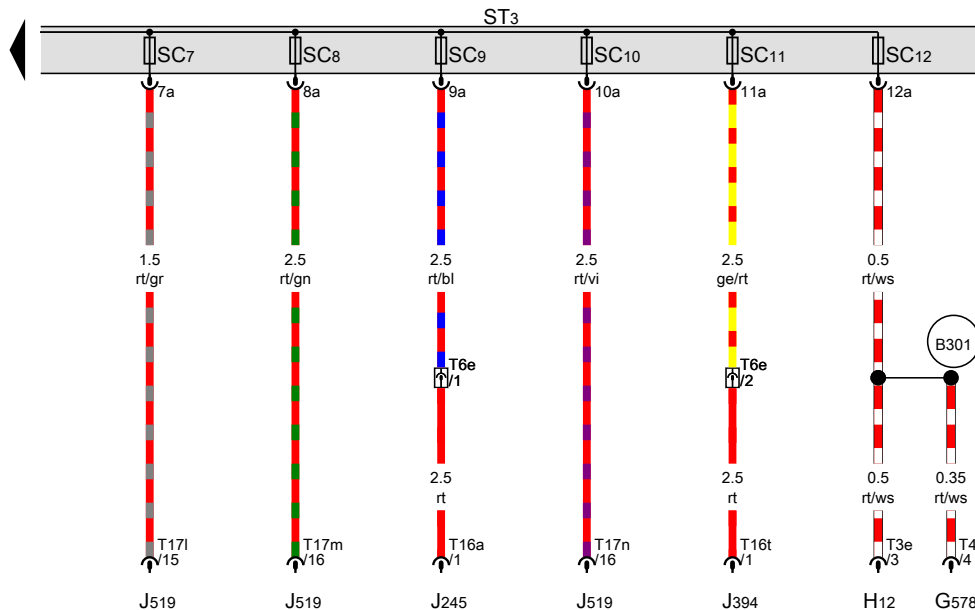
Fuse 1 (on fuse panel C), Fuse panel 3, Fuse 6 (on fuse panel C)

- E176 Driver seat lumbar support adjustment switch
- E177 Front passenger seat lumbar support adjustment switch
- J519 Vehicle electrical control module system
- J792 Active steering control module
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- ST3 Fuse panel 3
- 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)
- S44 Driver power seat adjustment circuit breaker 1
- S46 Front passenger power seat adjustment circuit breaker 1
- T4av 4-pin connector
- T5d 5-pin connector
- T10ai 10-pin connector
- T10m 10-pin connector, in the coupling point for the right front seat
- T10p 10-pin connector, in the coupling point for the left front seat
- T17b 17-pin connector, in the left A-pillar connector station
- T17i 17-pin connector
- Z105 Cupholder with heating and cooling element
- B300 Positive connection 4 (30) (in main wiring harness)
- \* Refer to applicable seat adjustment wiring diagram

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Fuse panel 3, Fuse 7 (on fuse panel C), Fuse 12 (on fuse panel C)

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J245 Power sunroof control module
- J394 Roof shade control module
- J519 Vehicle electrical control module system
- ST3 Fuse panel 3
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3e 3-pin connector
- T4f 4-pin connector
- T6e 6-pin connector, on the right front roof frame
- T16a 16-pin connector
- T16t 16-pin connector
- T17l 17-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- B301 Positive connection 5 (30) (in main wiring harness)

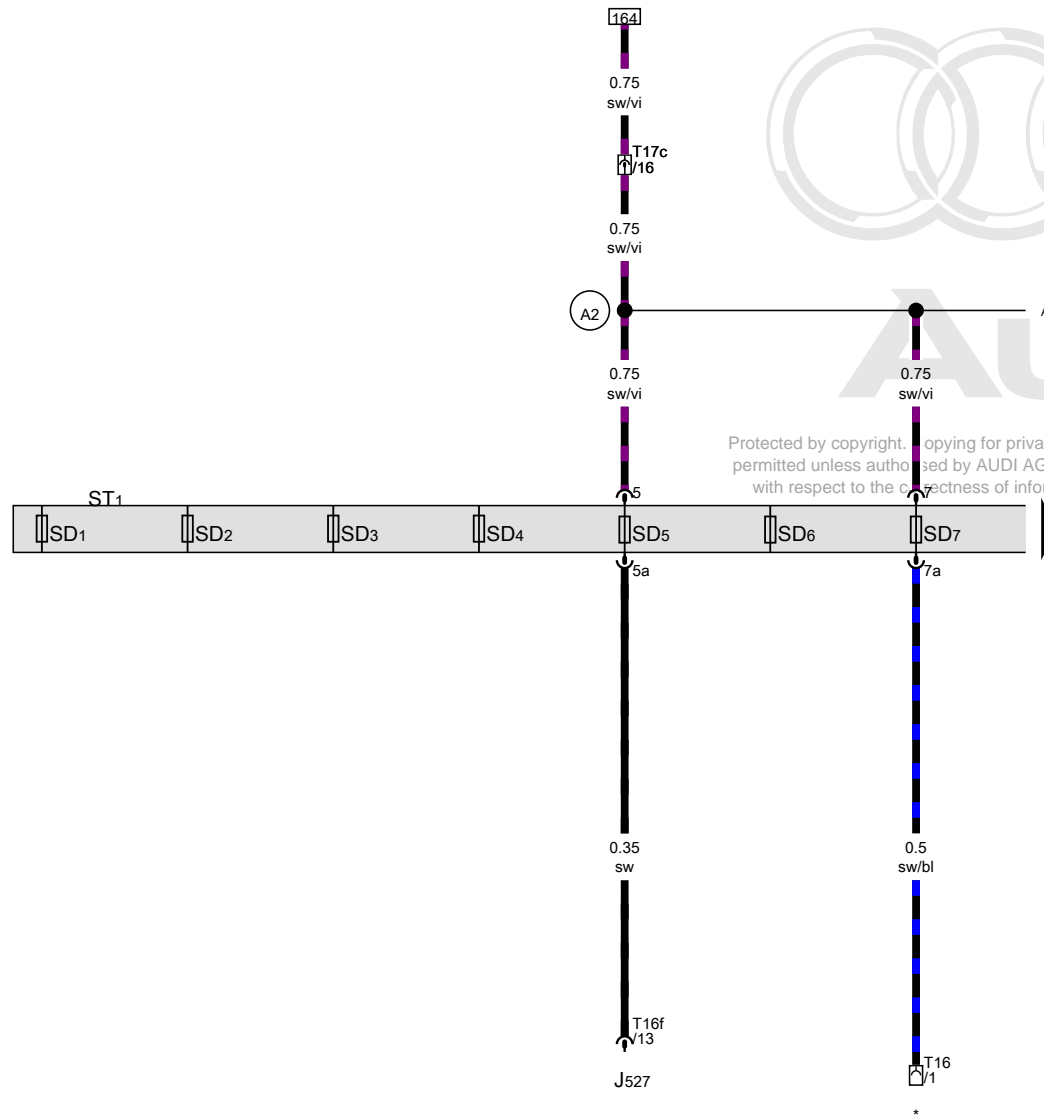


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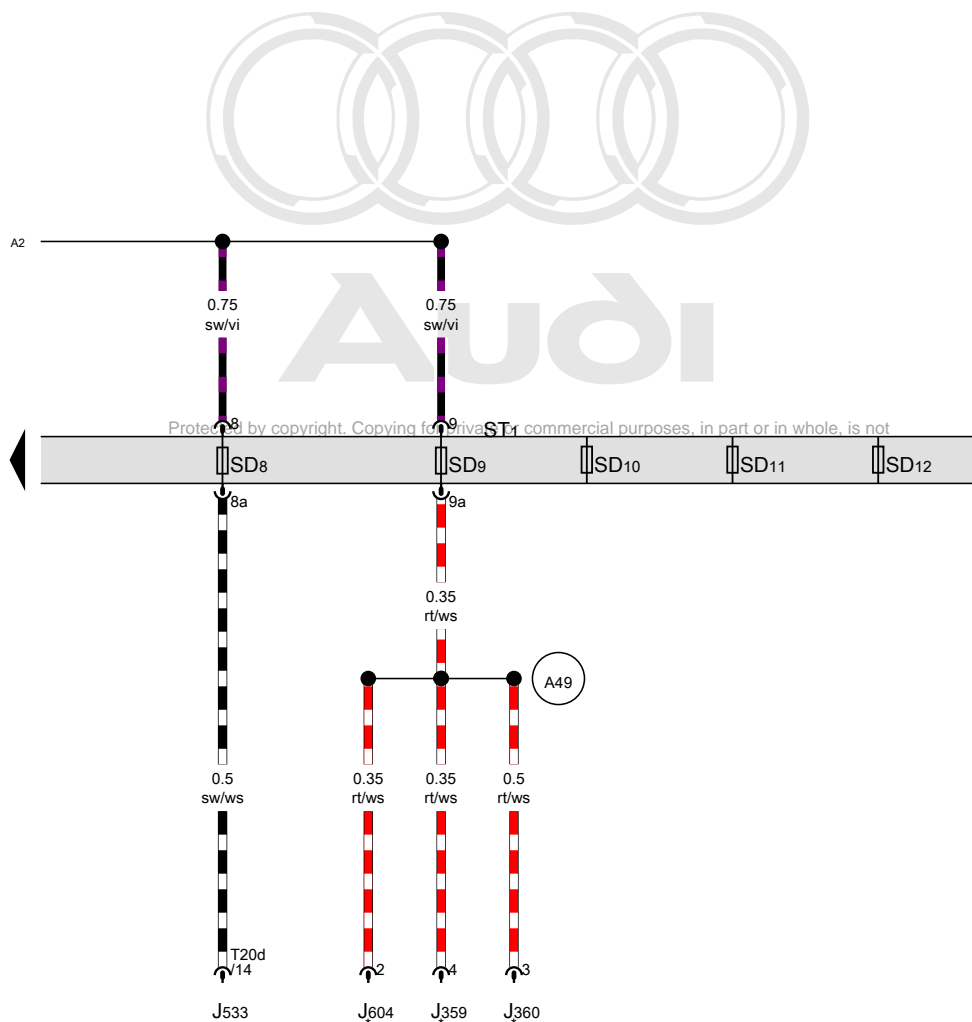


Fuse 1 (on fuse panel D), Fuse panel 1, Fuse 7 (on fuse panel D)

- J527 Steering column electronics control module
- SD1 Fuse 1 (on fuse panel D)
- ST1 Fuse panel 1
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- T16 16-pin connector
- T16f 16-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- A2 Positive connection (15) (in instrument panel wiring harness)
- \* Diagnostic connector

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# Fuse panel 1, Fuse 8 (on fuse panel D), Fuse 12 (on fuse panel D)

- J359 Low heat output relay
- J360 High heat output relay
- J533 Data bus on board diagnostic interface
- J604 Auxiliary air heater control module
- ST1 Fuse panel 1
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T20d 20-pin connector

A2 Positive connection (15) (in instrument panel wiring harness)

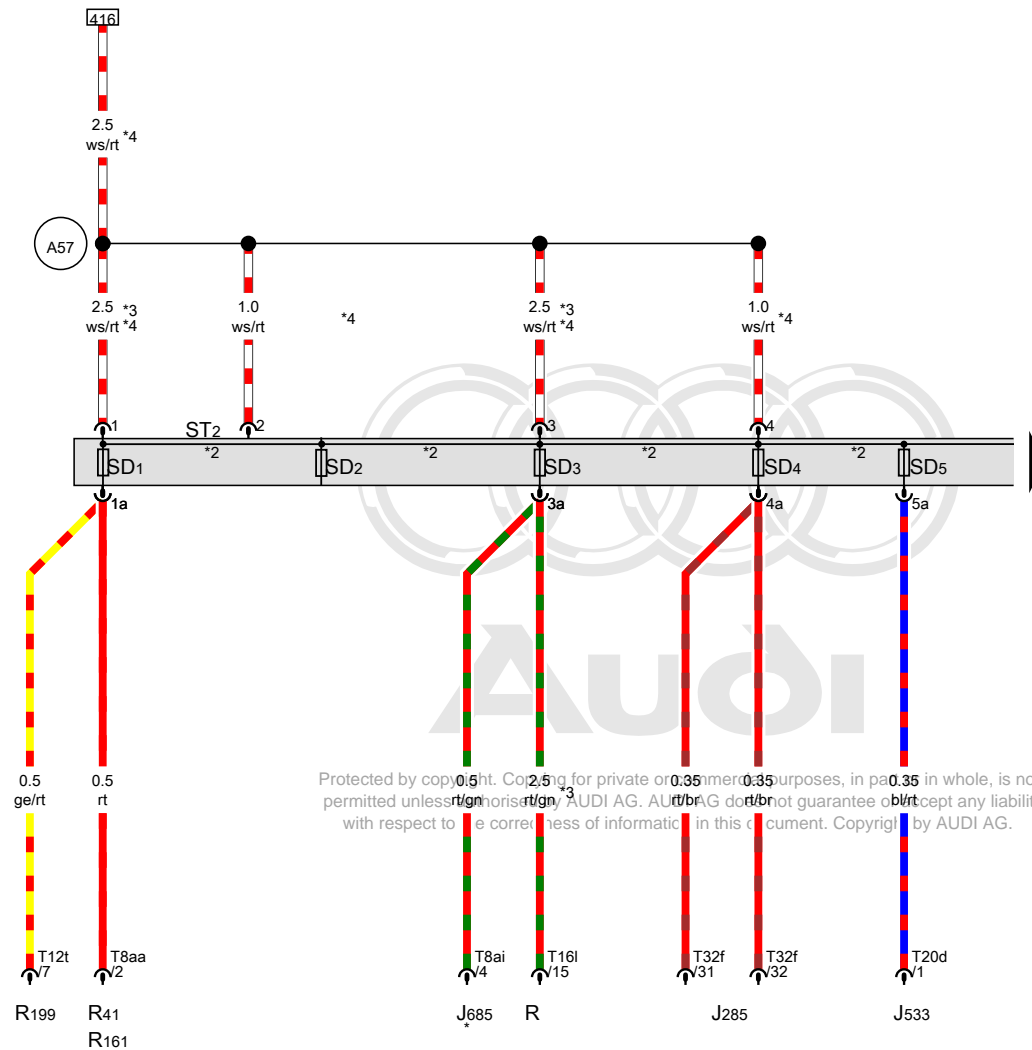
A49 Connection 1 (in instrument panel wiring harness)

\* Refer to applicable engine wiring diagram

Fuse 1 (on fuse panel D), Fuse panel 2, Fuse 3 (on fuse panel D), Fuse 4 (on fuse panel D)

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- J685 Front information display control head
- R Radio, black
- R41 CD changer
- R161 DVD changer
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T8aa 8-pin connector
- T8ai 8-pin connector
- T12t 12-pin connector
- T16l 16-pin connector
- T20d 20-pin connector
- T32f 32-pin connector

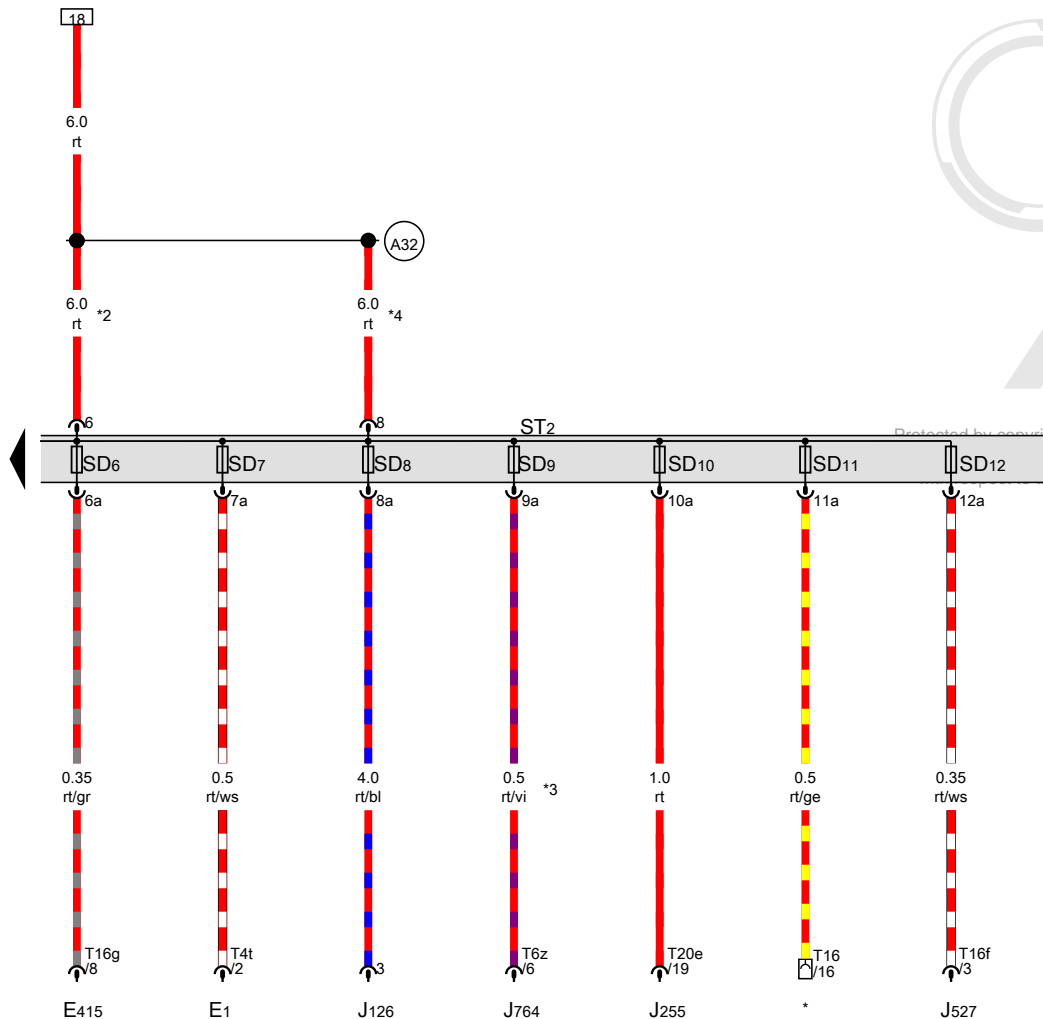
- A57 Positive connection 3 (30) (in instrument panel wiring harness)
- \* Refer to applicable MMI (information electronics) wiring diagram
- \*2 Only for vehicles without Start/Stop system
- \*3 Diameter depends on equipment
- \*4 Only for vehicles with Start/Stop system



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Fuse panel 2, Fuse 6 (on fuse panel D), Fuse 7 (on fuse panel D), Fuse 12 (on fuse panel D)

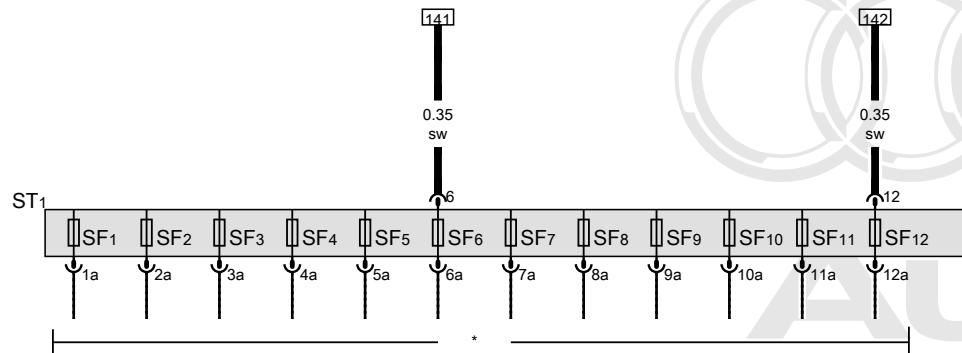


- E1 Light switch
- E415 Access/start authorization switch
- J126 Fresh air blower control module
- J255 Climatronic control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T4t 4-pin connector
- T6z 6-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T16g 16-pin connector
- T20e 20-pin connector
- A32 Positive connection (30) (in instrument panel wiring harness)
- \* Diagnostic connector
- \*2 Only for vehicles without Start/Stop system
- \*3 Diameter depends on equipment
- \*4 Only for vehicles with Start/Stop system

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Fuse 1 (on fuse panel F), Fuse panel 1, Fuse 12 (on fuse panel F)

- SF1 Fuse 1 (on fuse panel F)
- ST1 Fuse panel 1
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- \* Refer to applicable special purpose vehicles wiring diagram

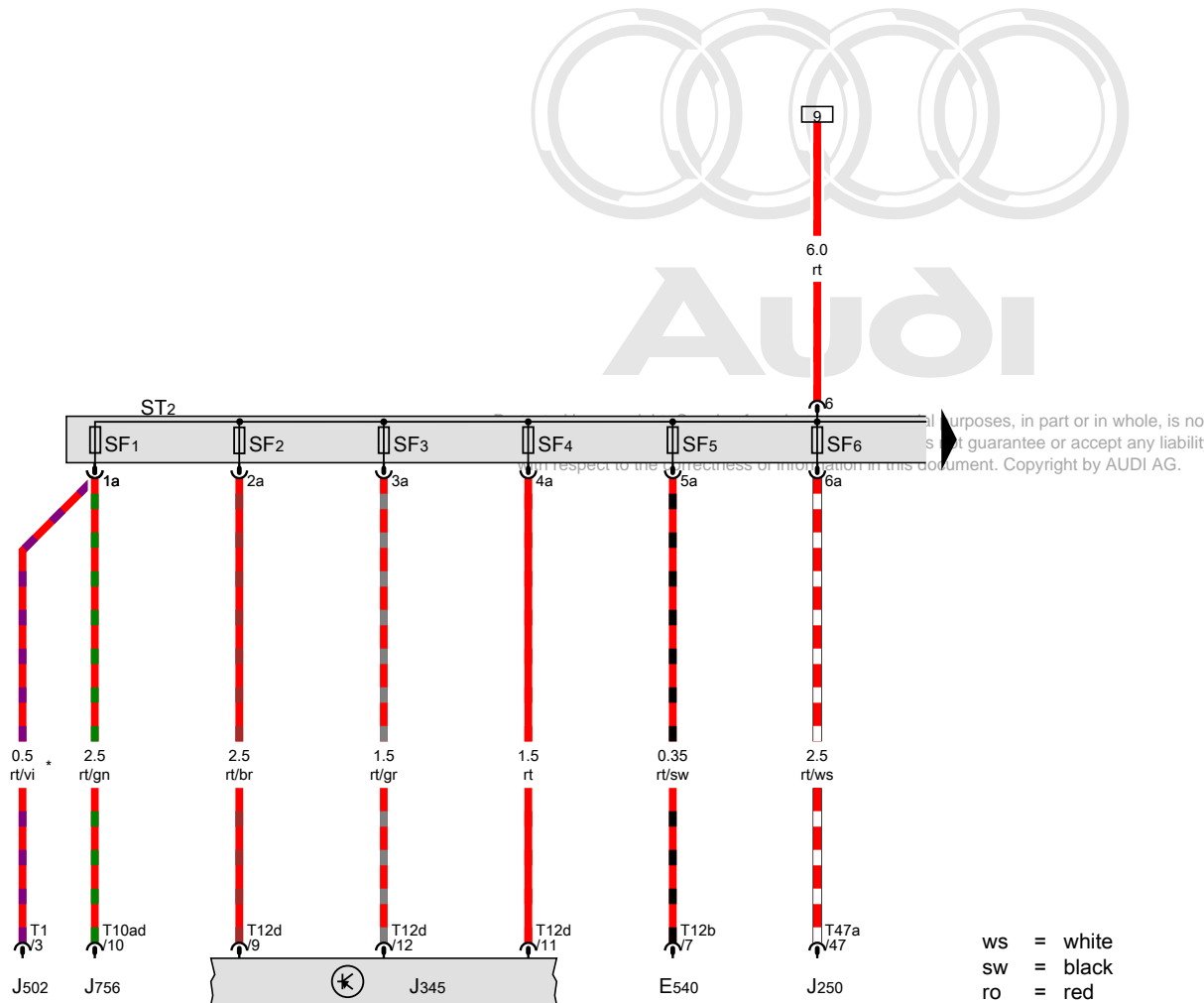


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Fuse 1 (on fuse panel F), Fuse panel 2, Fuse 6 (on fuse panel F)

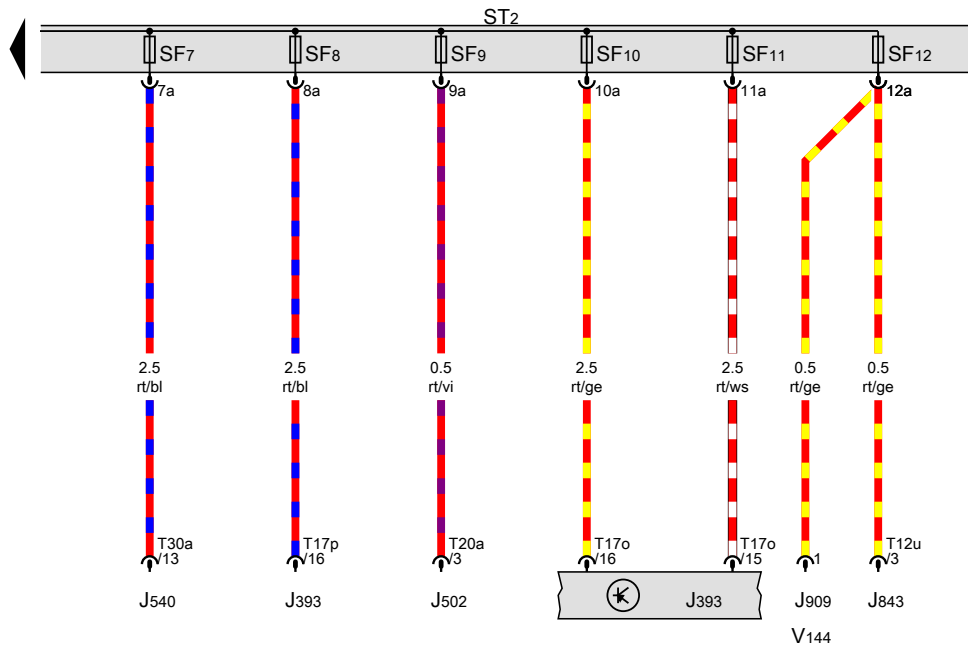
- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J502 Tire pressure monitoring control module
- J756 Rear lid control module 2
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- ST2 Fuse panel 2
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T1 Single connector
- T10ad 10-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T47a 47-pin connector

\* Omitted as a running change

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

Fuse panel 2, Fuse 7 (on fuse panel F), Fuse 12 (on fuse panel F)

- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J540 Electromechanical parking brake control module
- J843 Vehicle positioning system interface control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector
- T17o 17-pin connector
- T17p 17-pin connector
- T20a 20-pin connector
- T30a 30-pin connector
- V144 Leak detection pump



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# Fuse 1 (on fuse panel F), Fuse panel 3

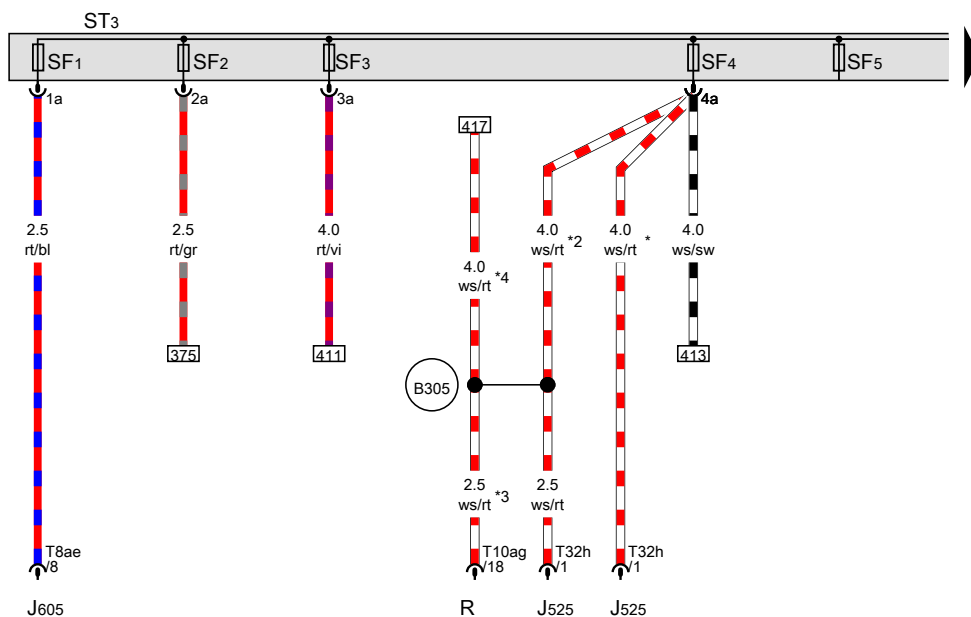
- J525 Digital sound system control module
- J605 Rear lid control module
- R Radio
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- T8ae 8-pin connector
- T10ag 10-pin connector
- T32h 32-pin connector

B305 Positive connection 9 (30) (in main wiring harness)

- \* Depending on equipment
- \*2 Only for vehicles without Start/Stop system
- \*3 4.0 diameter possible
- \*4 Only for vehicles with Start/Stop system

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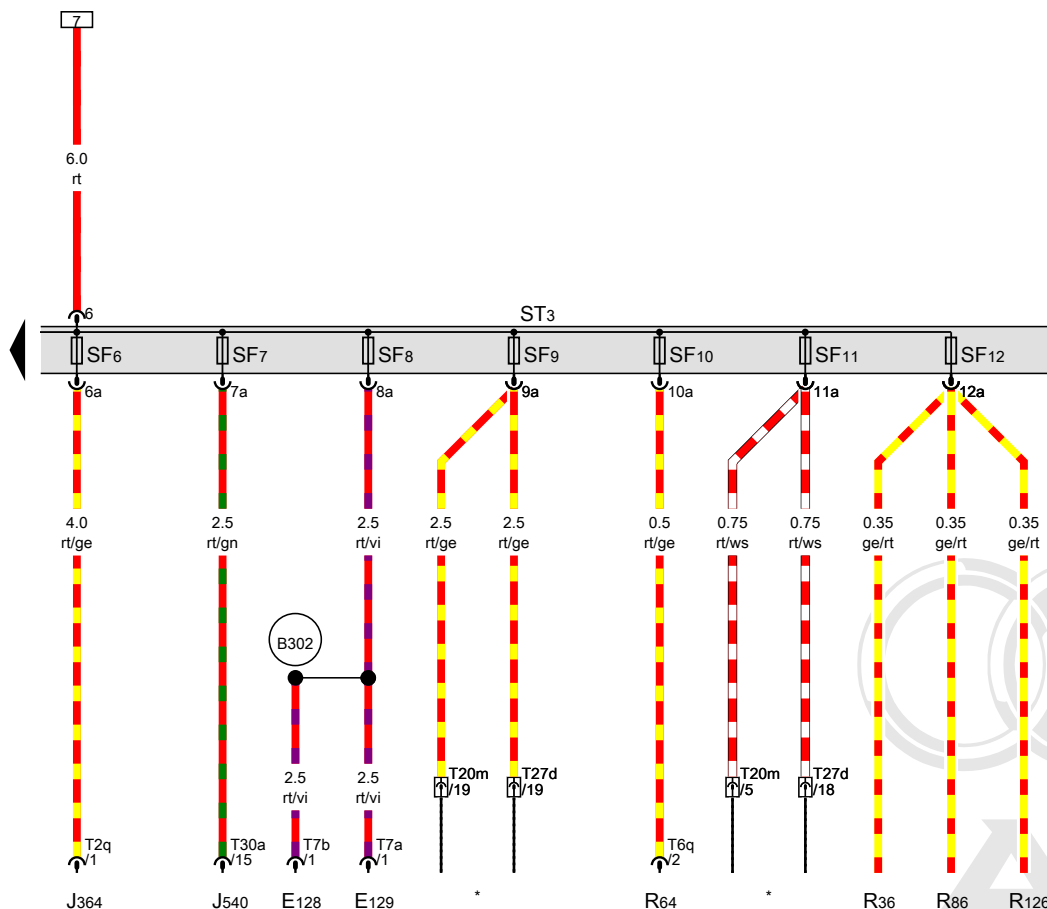


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- or = orange
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337 338 339 340 341 342 343 344 345 346 347 348 349 350

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Fuse panel 3, Fuse 6 (on fuse panel F), Fuse 7 (on fuse panel F), Fuse 12 (on fuse panel F)



- E128 Left rear heated seat regulating switch
- E129 Right rear heated seat regulating switch
- J364 Auxiliary heater control module
- J540 Electromechanical parking brake control module
- R36 Telephone transceiver
- R64 Parking heater radio receiver
- R86 Cellular telephone amplifier
- R126 Telephone baseplate
- ST3 Fuse panel 3
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T2q Double connector
- T6q 6-pin connector
- T7a 7-pin connector
- T7b 7-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T30a 30-pin connector

B302 Positive connection 6 (30) (in main wiring harness)

- \* Refer to applicable convenience system wiring diagram
- \*2 Depending on equipment

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351 352 353 354 355 356 357 358 359 360 361 362 363 364

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J393 Comfort system central control module

J807 Sockets relay

T3g 3-pin connector

T3l 3-pin connector

T3n 3-pin connector

T4av 4-pin connector

T10ai 10-pin connector

T32c 32-pin connector

U1 Cigarette lighter

U5 Power socket 12V

U18 12 V socket 2

U19 12 V socket 3

Z105 Cupholder with heating and cooling element

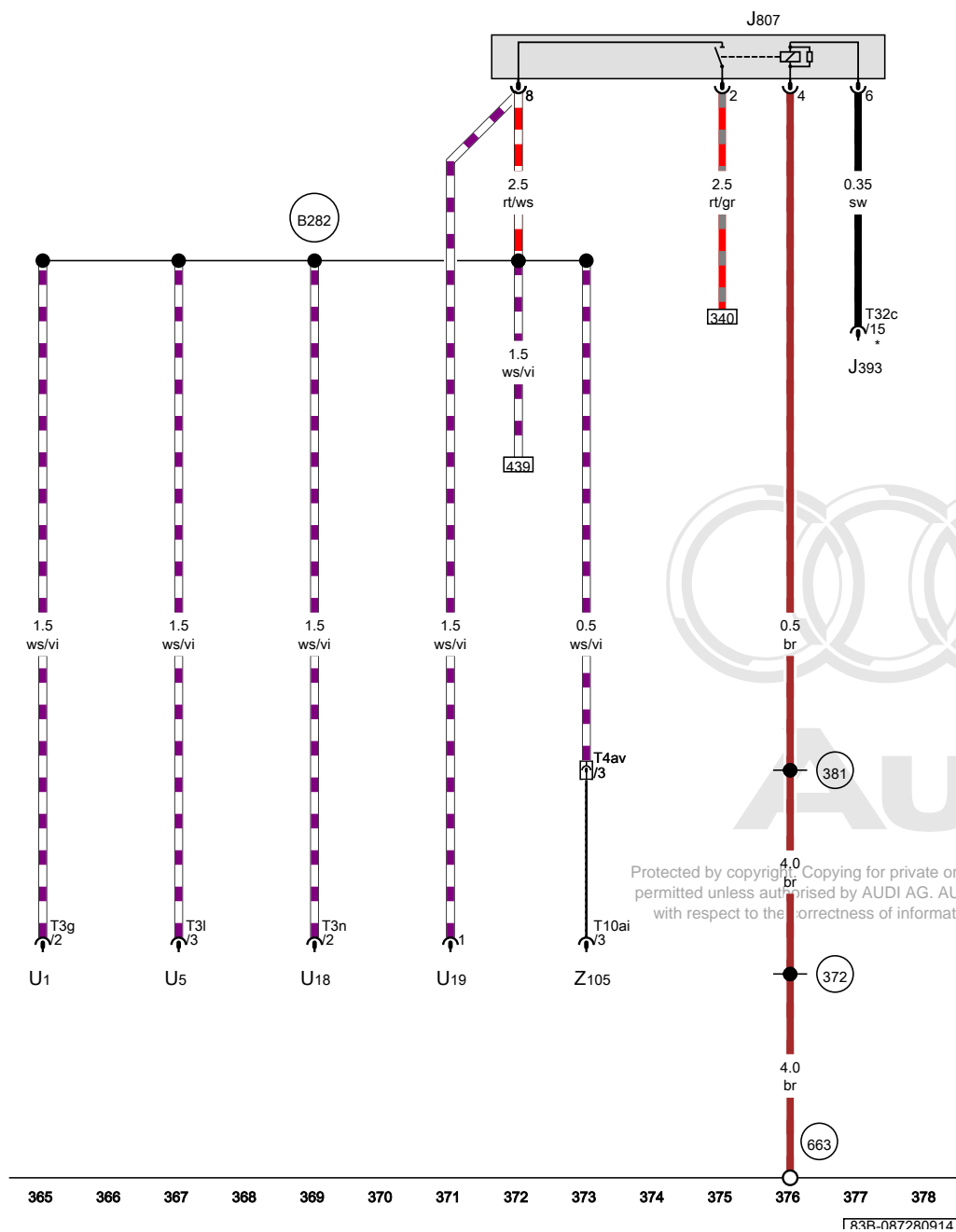
372 Ground connection 7 (in main wiring harness)

381 Ground connection 16 (in main wiring harness)

663 Ground connection in right rear side panel

B282 Positive connection 6 (15a) (in main wiring harness)

\* Refer to applicable standard equipment wiring diagram



Fuse 1 (on fuse panel F), Fuse 4 (on fuse panel F), Fuse panel 4, Fuse 5 (on fuse panel F)

- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST4 Fuse panel 4
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)



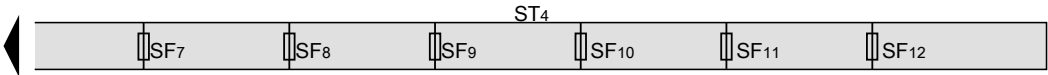
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Fuse panel 4, Fuse 8 (on fuse panel F), Fuse 9 (on fuse panel F), Fuse 12 (on fuse panel F)

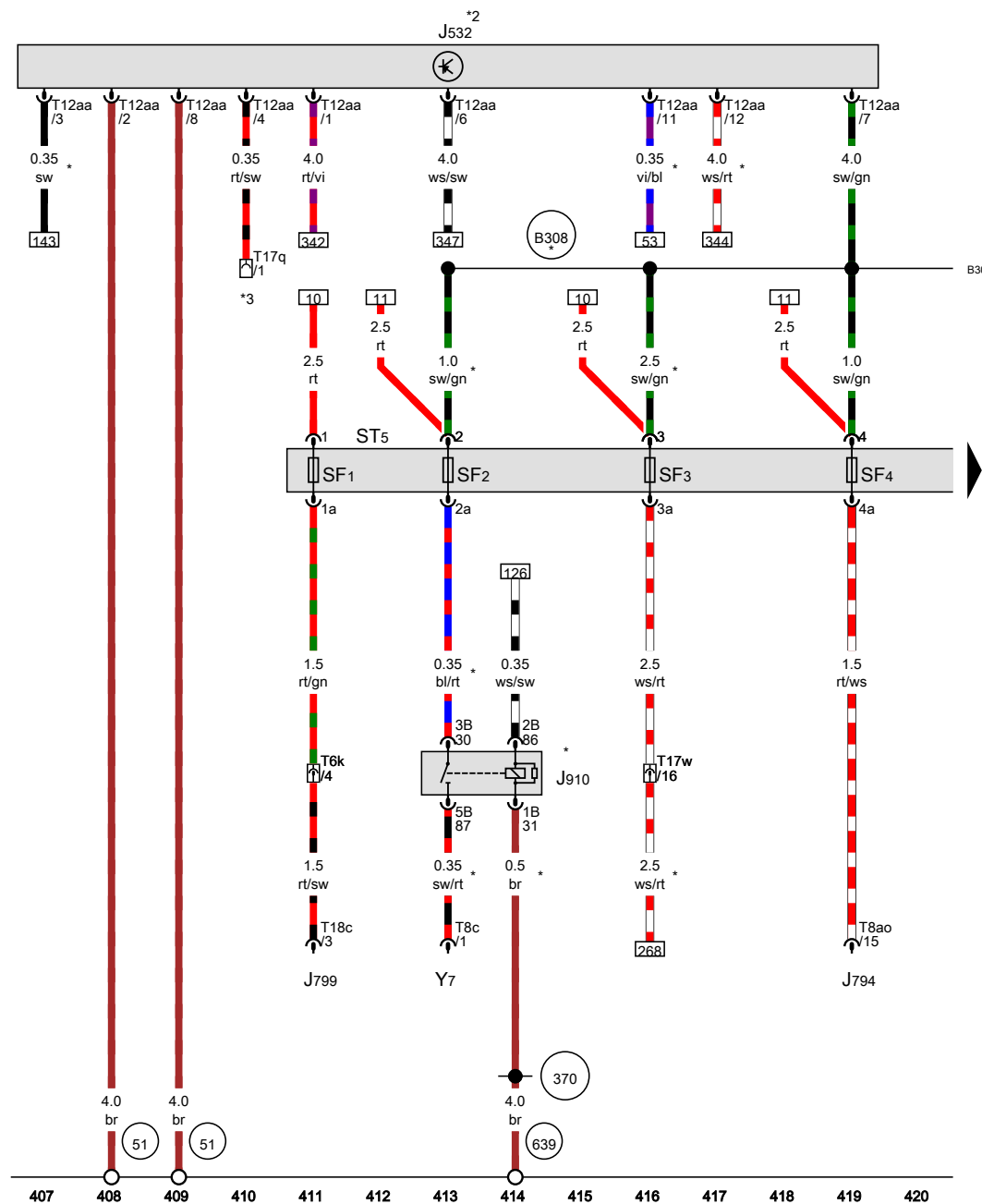
- ST4 Fuse panel 4
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)



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Automatic dimming interior rearview mirror relay, Fuse 1 (on fuse panel F), Fuse 4 (on fuse panel F), Fuse panel 5



- J532 Voltage stabilizer
- J794 Information electronics control module 1
- J799 Right front seat ventilation control module
- J910 Automatic dimming interior rearview mirror relay
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T6k 6-pin connector, green
- T8ao 8-pin connector
- T8c 8-pin connector
- T12aa 12-pin connector
- T17q 17-pin connector, in the E-box
- T17w 17-pin connector, in the connector station, right A-pillar
- T18c 18-pin connector
- Y7 Automatic dimming interior rearview mirror

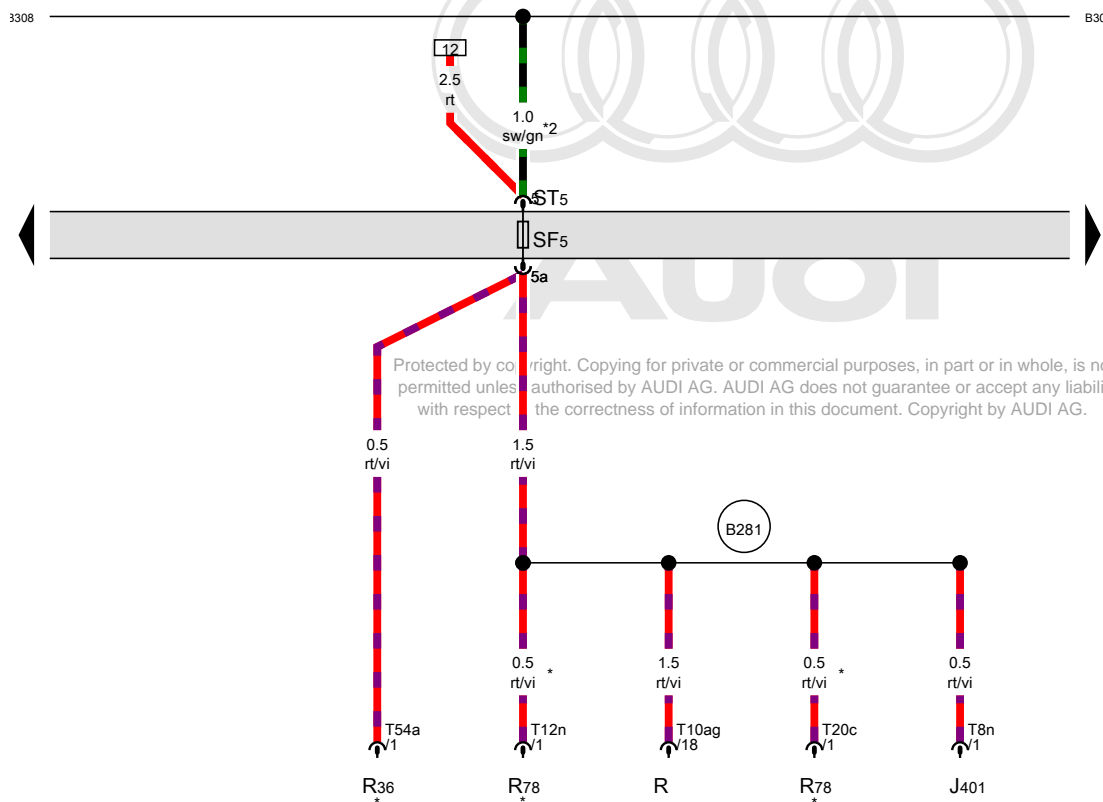
- 51 Ground connection in luggage compartment, right
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B308 Positive connection 12 (30) (in main wiring harness)

- \* Only for vehicles with Start/Stop system
- \*2 Only for vehicles with Stop/Start system
- \*3 Refer to applicable engine wiring diagram

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# Fuse panel 5, Fuse 5 (on fuse panel F)

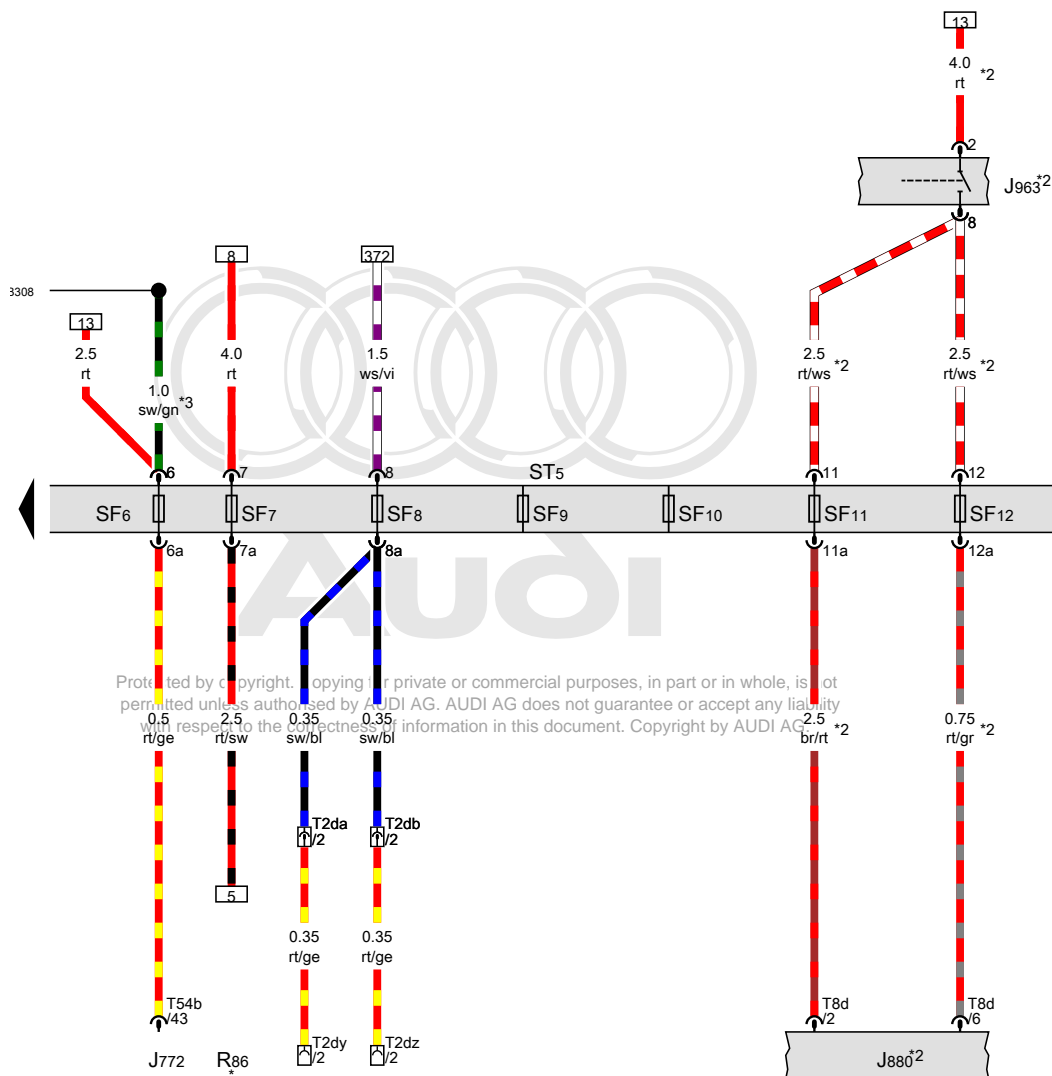
- J401 Navigation system with CD drive control module
- R Radio
- R36 Telephone transceiver
- R78 TV tuner
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T8n 8-pin connector
- T10ag 10-pin connector
- T12n 12-pin connector
- T20c 20-pin connector
- T54a 54-pin connector

B281 Positive connection 5 (15a) (in main wiring harness)

B308 Positive connection 12 (30) (in main wiring harness)

\* Depending on equipment

\*2 Only for vehicles with Start/Stop system



# Fuse panel 5, Fuse 6 (on fuse panel F), Fuse 12 (on fuse panel F)

- J772 Rearview camera system control module
- J880 Reducing agent metering system control module
- J963 Reducing agent metering system relay
- R86 Cellular telephone amplifier
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T2da Double connector
- T2db Double connector
- T2dy Double connector, in the driver seat backrest
- T2dz Double connector, in the front passenger seat backrest
- T8d 8-pin connector
- T54b 54-pin connector

B308 Positive connection 12 (30) (in main wiring harness)

- \* from May 2010
- \*2 Only for vehicles with reducing agent metering system
- \*3 Only for vehicles with Start/Stop system

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

435 436 437 438 439 440 441 442 443 444 445 446 447 448

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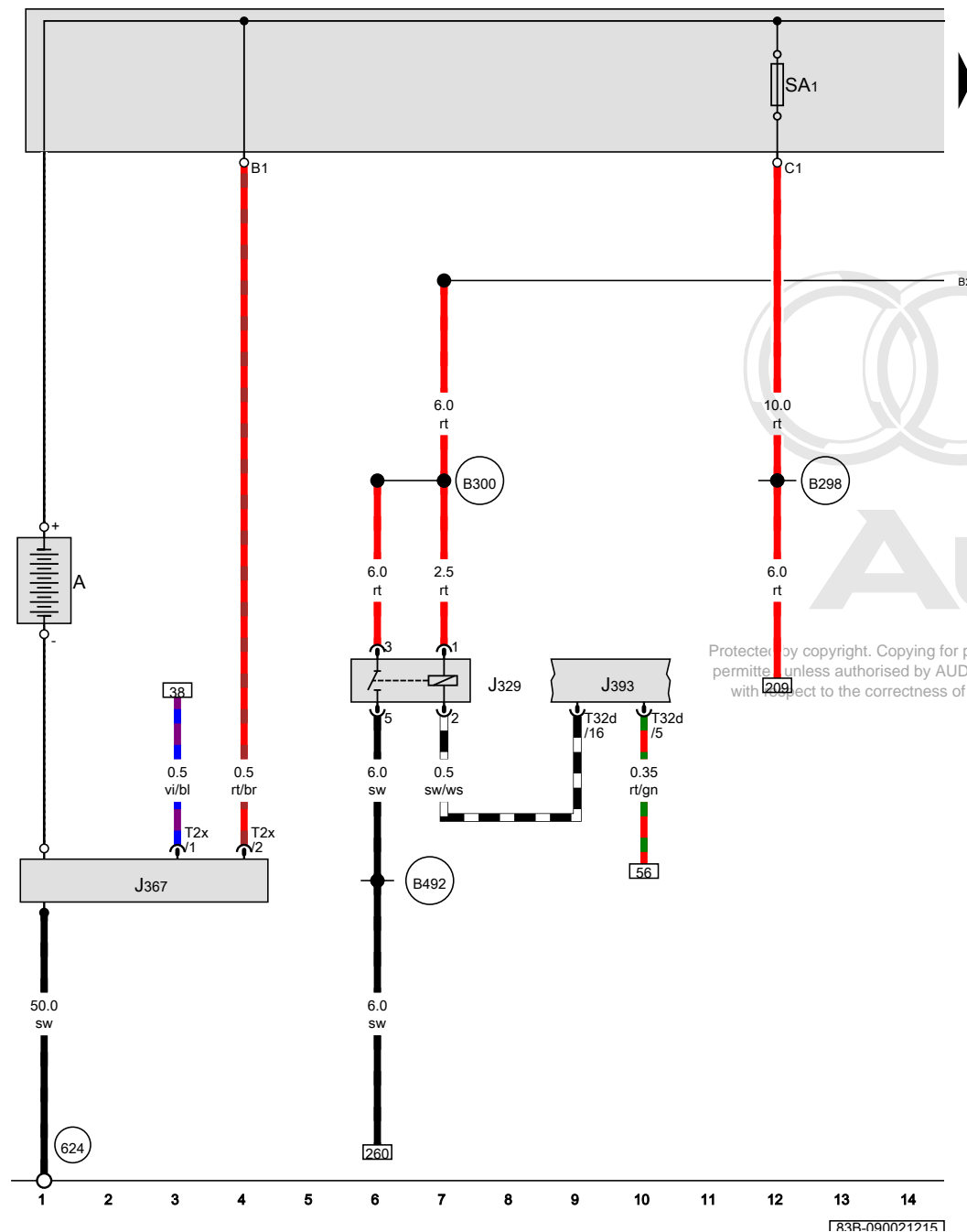
**3.0L gasoline engine , CTUB,CTUC,CTUD,CTVA,CTXA**  
from May 2012



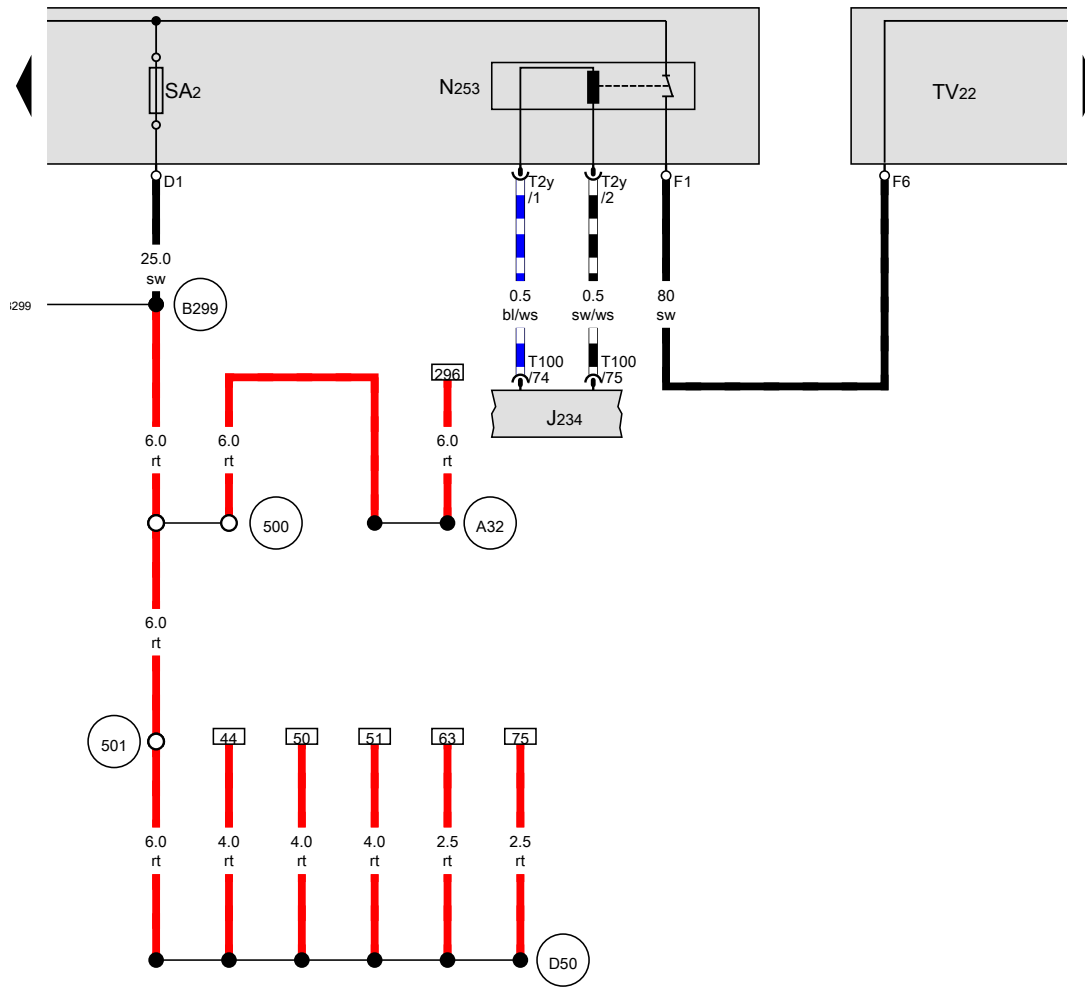
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# Battery, Terminal 15 power supply relay

- A Battery
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA1 Fuse 1 (on fuse panel A)
- T2x 2-pin connector
- T32d 32-pin connector
- 624 Ground connection near starter battery
- B298 Positive connection 2 (30) (in main wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)



ws = white  
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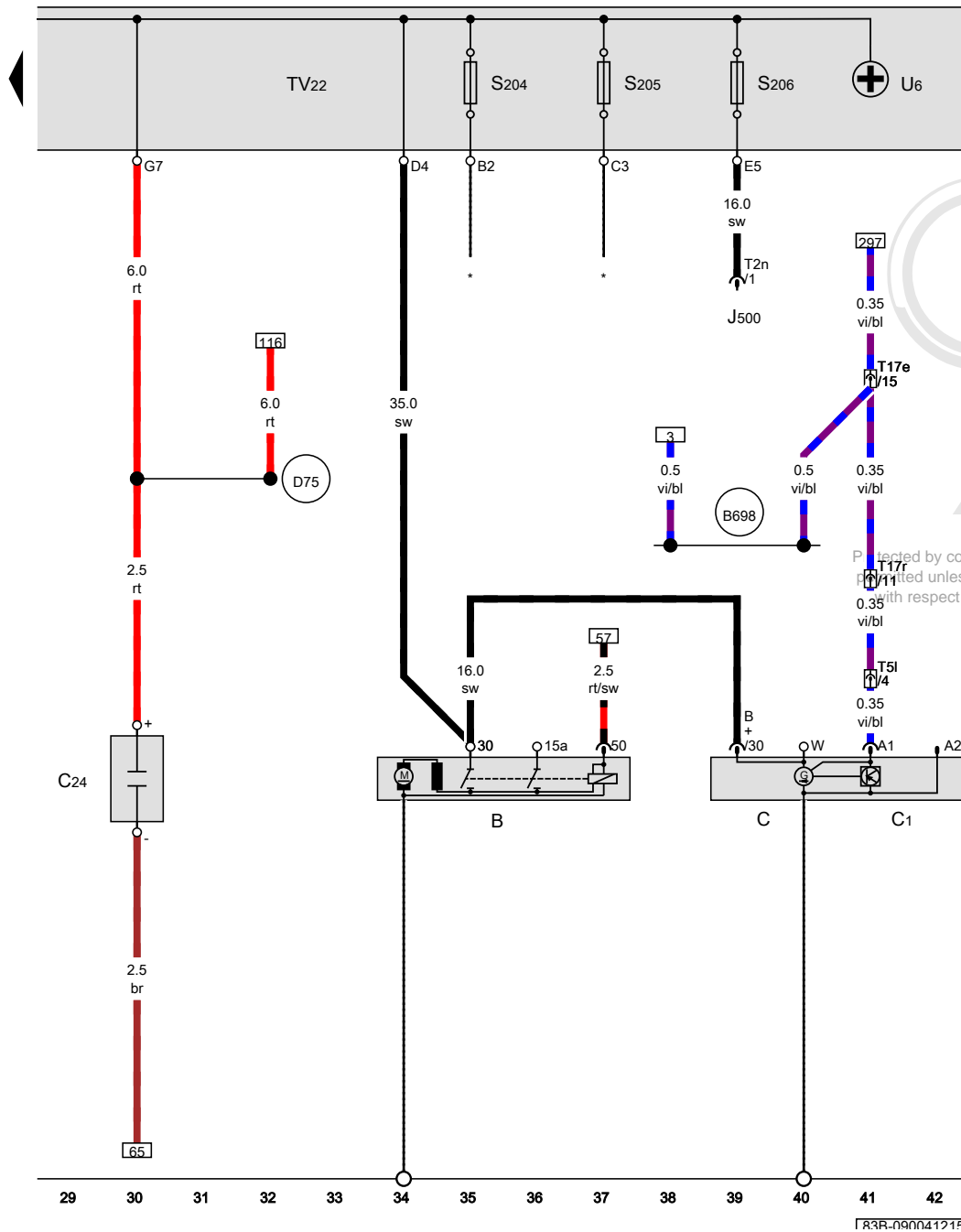


### Battery interrupt igniter, Terminal 30 wire junction 2

- J234 Airbag control module
- N253 Battery interrupt igniter
- SA2 Fuse 2 (on fuse panel A)
- T2y 2-pin connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)



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 ro = red  
 rt = red  
 br = brown  
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 vi = lilac  
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Starter, Generator, Voltage regulator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- C24 Suppressor
- J500 Power steering control module
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- S206 Fuse 3 (terminal 30)
- T2n 2-pin connector
- T5l 5-pin connector, in the engine compartment
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- B698 LIN bus connection 3 (in main wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable radiator fan wiring diagram

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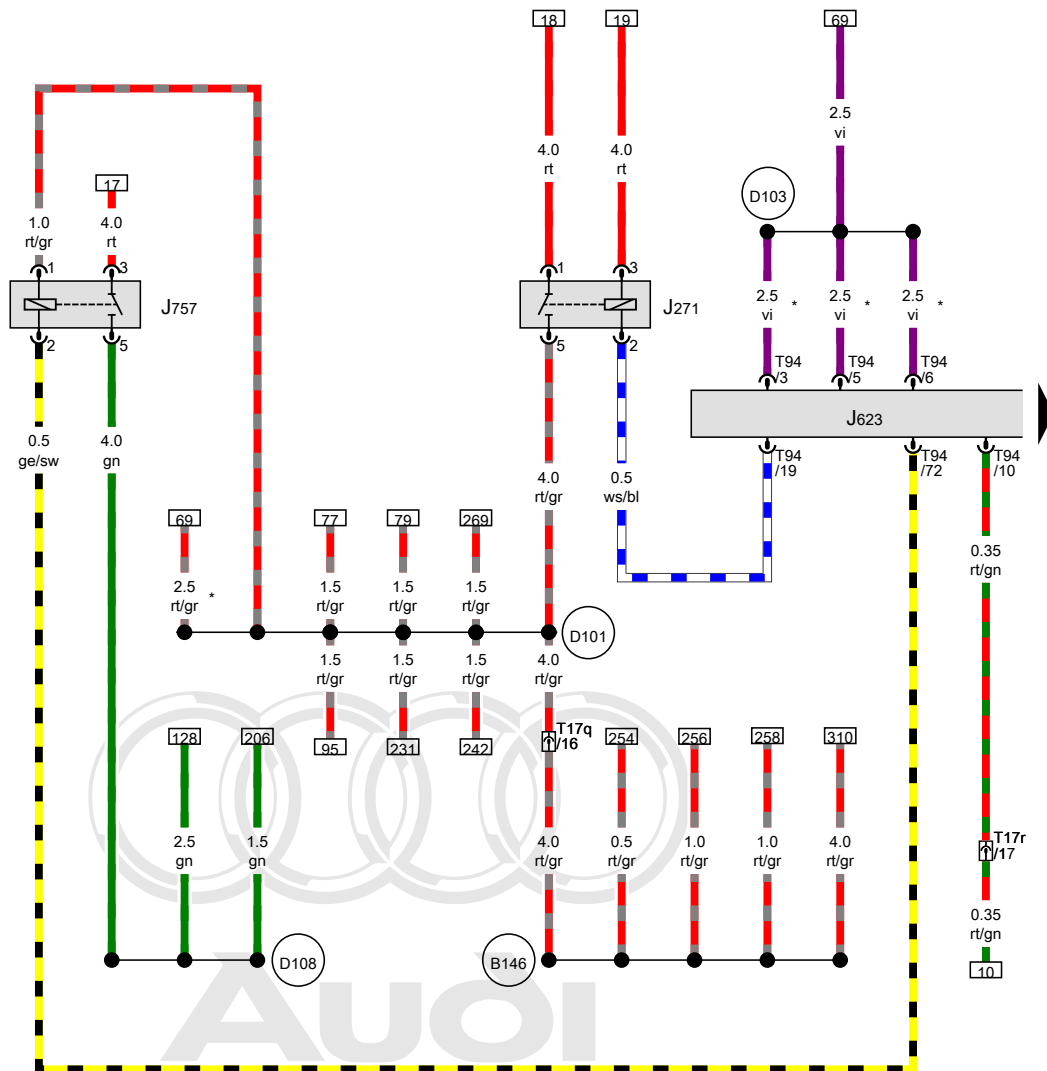


Motronic engine control module power supply relay, Engine component power supply relay

- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

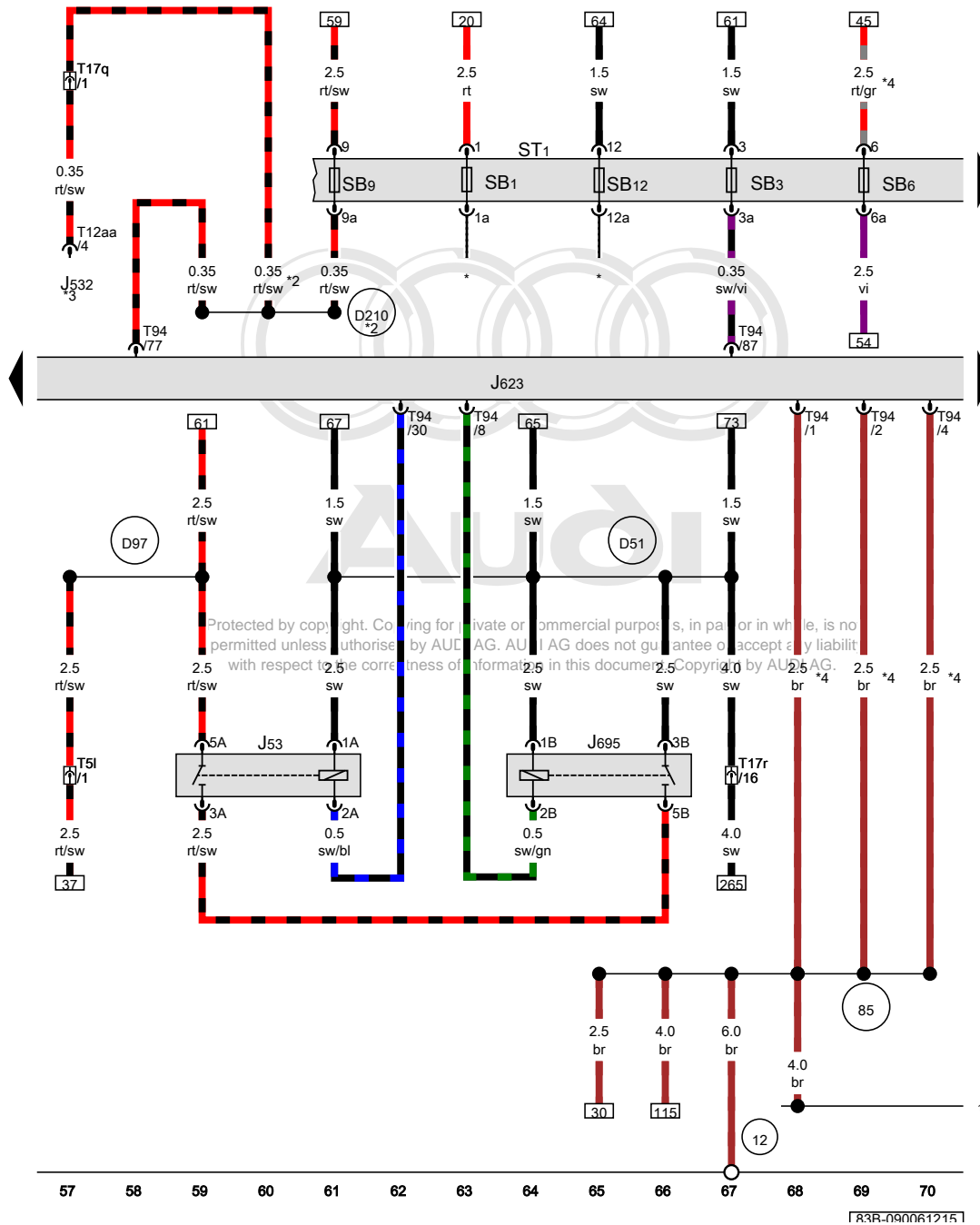
- B146 Positive connection 1 (87) (in interior wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- D108 Connection 6 (in engine compartment wiring harness)

\* 1.5 diameter possible



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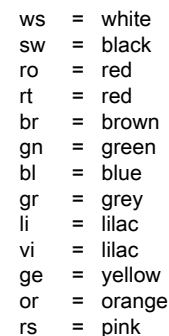
## Starter relay, Starter relay 2

- J53 Starter relay
- J532 Voltage stabilizer
- J623 Engine control module
- J695 Starter relay 2
- ST1 Fuse panel 1
- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T51 5-pin connector, in the engine compartment
- T12aa 12-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 131 Ground connection 2 (in engine compartment wiring harness)
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D210 Connection 50 (in engine compartment wiring harness)

- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Only for vehicles with Start/Stop system
- \*3 Refer to the applicable Start/Stop system wiring diagram
- \*4 1.5 diameter possible

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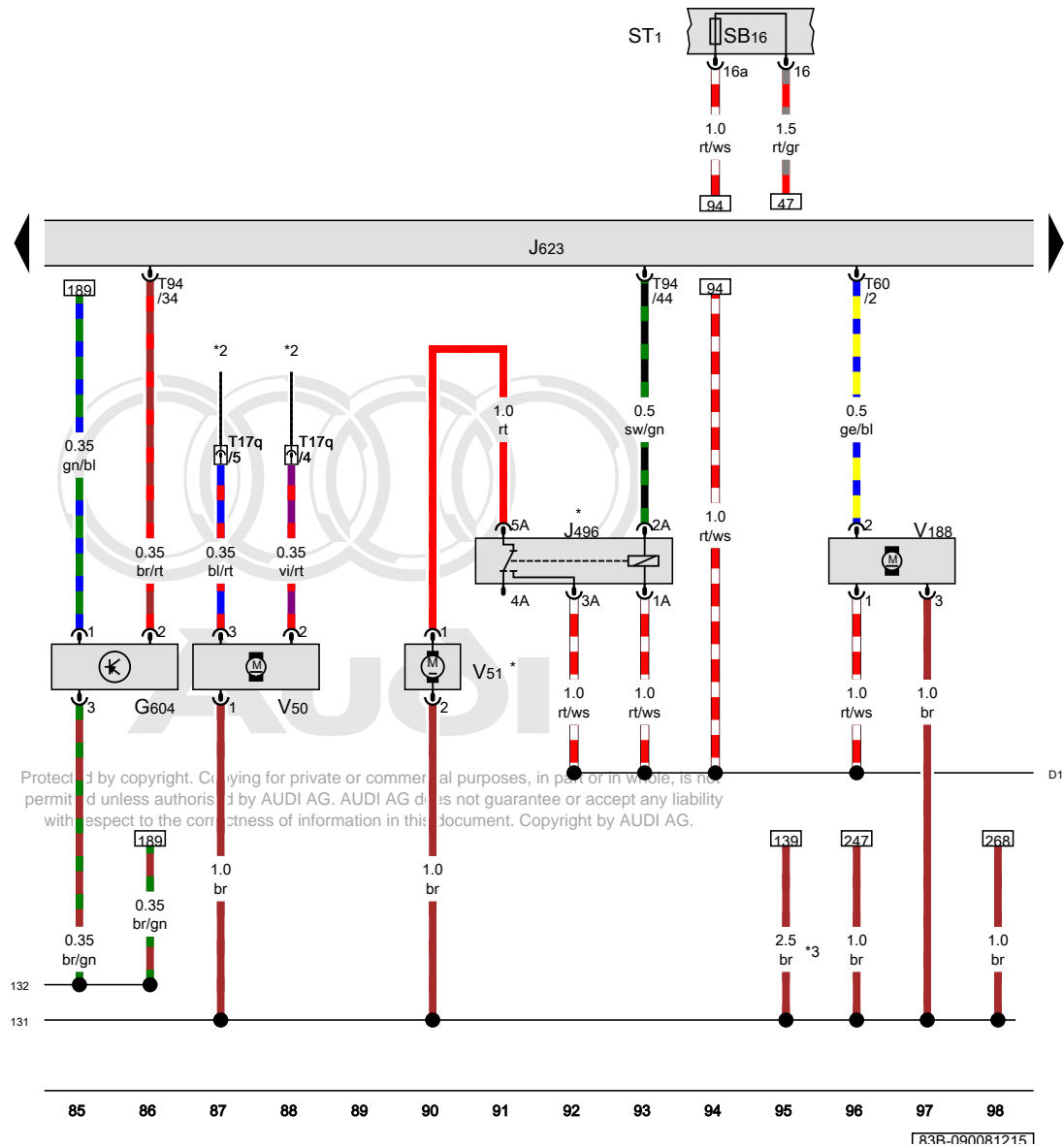
F22	Oil pressure switch
G336	Intake manifold runner position sensor
G512	Intake manifold runner position sensor 2
J500	Power steering control module
J623	Engine control module
N205	Camshaft adjustment valve 1
N208	Camshaft adjustment valve 2
N316	Intake manifold runner control valve
ST1	Fuse panel 1
SB4	Fuse 4 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB11	Fuse 11 (on fuse panel B)
SB15	Fuse 15 (on fuse panel B)
T5I	5-pin connector, in the engine compartment
T6h	6-pin connector
T14g	14-pin connector, in the engine compartment, right
T60	60-pin connector
T94	94-pin connector
131	Ground connection 2 (in engine compartment wiring harness)
132	Ground connection 3 (in engine compartment wiring harness)
D115	Connection 13 (in engine compartment wiring harness)
*	Refer to applicable radiator fan wiring diagram
*2	Refer to applicable wiring diagram

**Gear recognition sensor, Coolant recirculation pump, After-run coolant pump, Charge air cooling pump**

- |      |                                     |
|------|-------------------------------------|
| G604 | Gear recognition sensor             |
| J496 | Auxiliary engine coolant pump relay |
| J623 | Engine control module               |
| ST1  | Fuse panel 1                        |
| SB16 | Fuse 16 (on fuse panel B)           |
| T17q | 17-pin connector, red               |
| T60  | 60-pin connector                    |
| T94  | 94-pin connector                    |
| V50  | Coolant recirculation pump          |
| V51  | After-run coolant pump              |
| V188 | Charge air cooling pump             |

- |      |  |
|------|--|
| 131  | Ground connection 2 (in engine compartment wiring harness) |
| 132  | Ground connection 3 (in engine compartment wiring harness) |
| D111 | Connection 9 (in engine compartment wiring harness)        |

- \* Only for vehicles with a coolant after-run pump
- \*2 Refer to applicable A/C system wiring diagram
- \*3 Running change

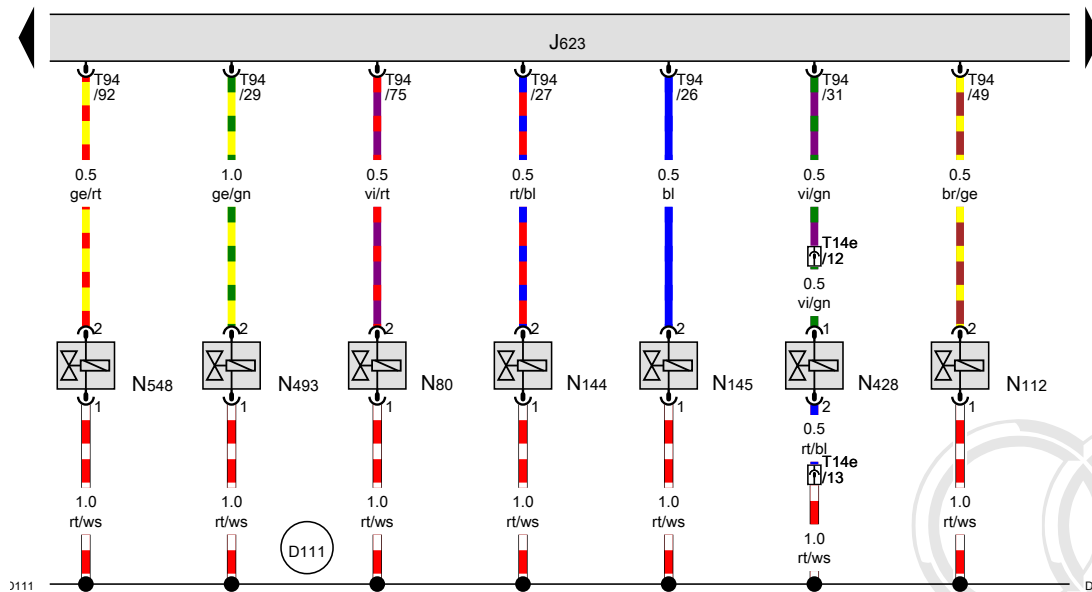


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EVAP canister purge regulator valve 1, Secondary air injection solenoid valve, Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve, Oil pressure regulation valve

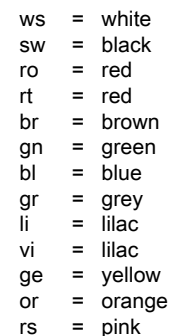
- J623 Engine control module
- N80 EVAP canister purge regulator valve 1
- N112 Secondary air injection solenoid valve
- N144 Left electrohydraulic engine mount solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N428 Oil pressure regulation valve
- N493 Engine temperature control actuator
- N548 Crankcase ventilation shut-off valve
- T14e 14-pin connector, in the engine compartment, left
- T94 94-pin connector

D111 Connection 9 (in engine compartment wiring harness)



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167 Ground connection 4 (in engine compartment wiring harness)

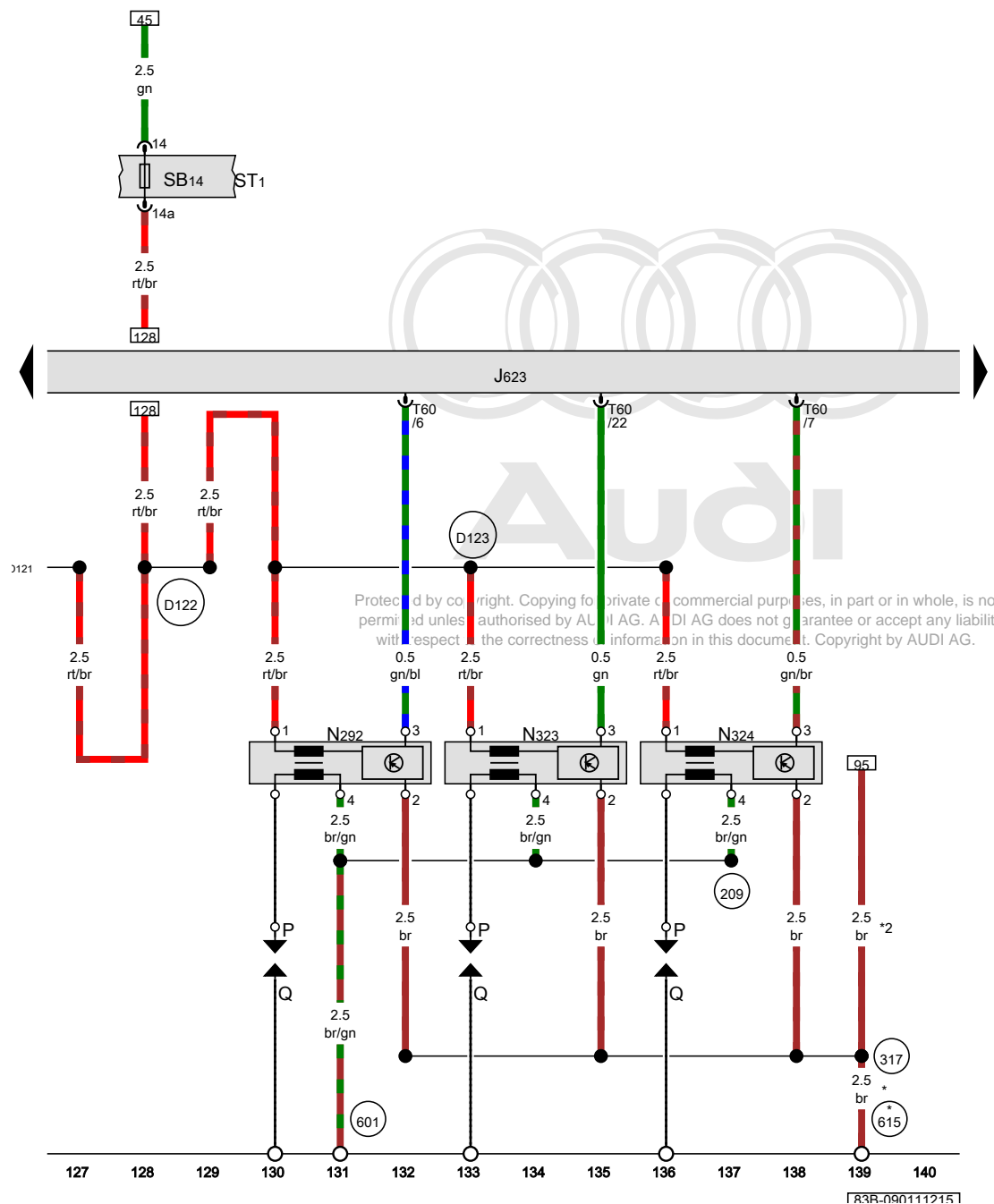
201 Ground connection 5 (in engine compartment wiring harness)

600 Ground connection on cylinder head, right

D111 Connection 9 (in engine compartment wiring harness)

D121 Connection 19 (in engine compartment wiring harness)

**D121 Connection 19 (in engine compartment wiring harness)**



Ignition coil 4 with power output stage, Ignition coil 5 with power output stage, Ignition coil 6 with power output stage

- J623 Engine control module
- 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
- ST1 Fuse panel 1
- SB14 Fuse 14 (on fuse panel B)
- T60 60-pin connector

- 209 Ground connection 6 (in engine compartment wiring harness)
- 317 Ground connection 7 (in engine compartment wiring harness)
- 601 Ground connection on cylinder head, left
- 615 Ground connection on left strut
- D121 Connection 19 (in engine compartment wiring harness)
- D122 Connection 20 (in engine compartment wiring harness)
- D123 Connection 21 (in engine compartment wiring harness)

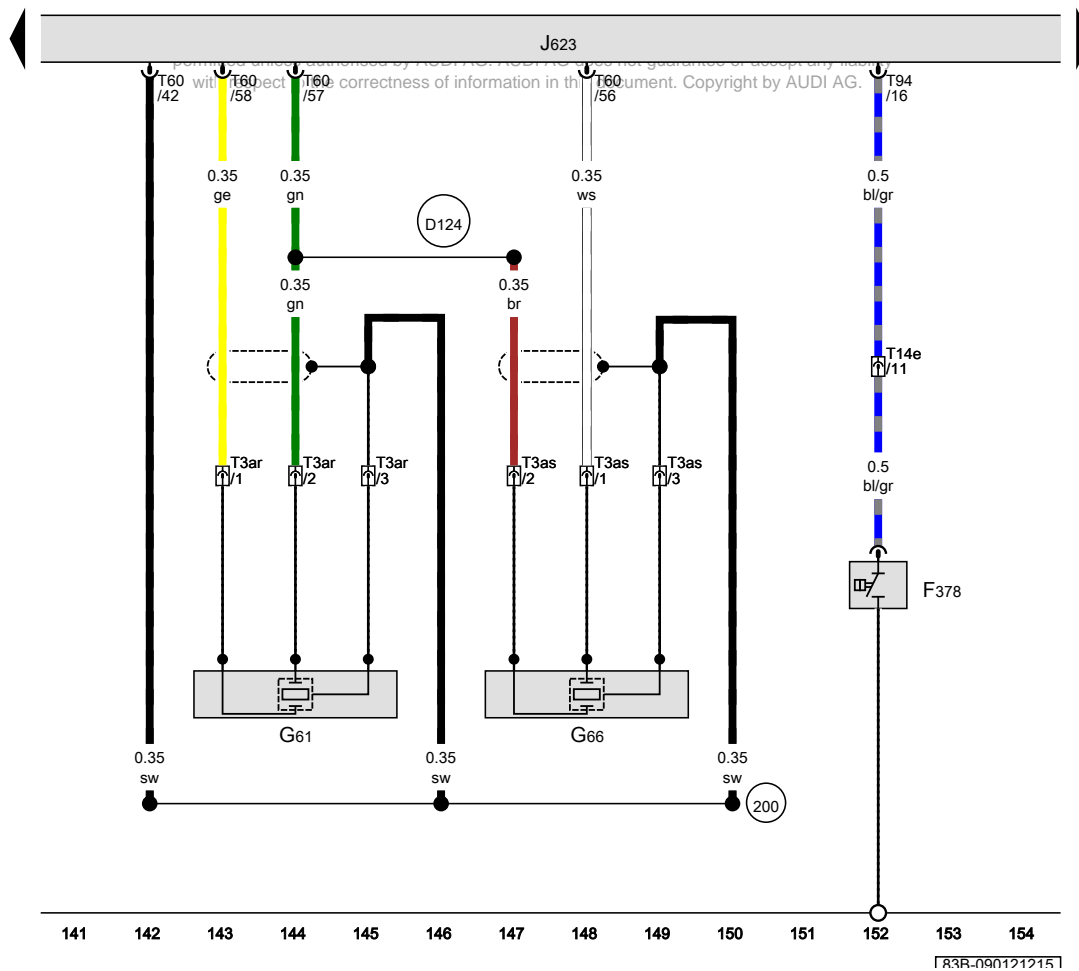
- \* Omitted as a running change
- \*2 Running change

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## Reduced oil pressure switch, Knock sensor 1, Knock sensor 2

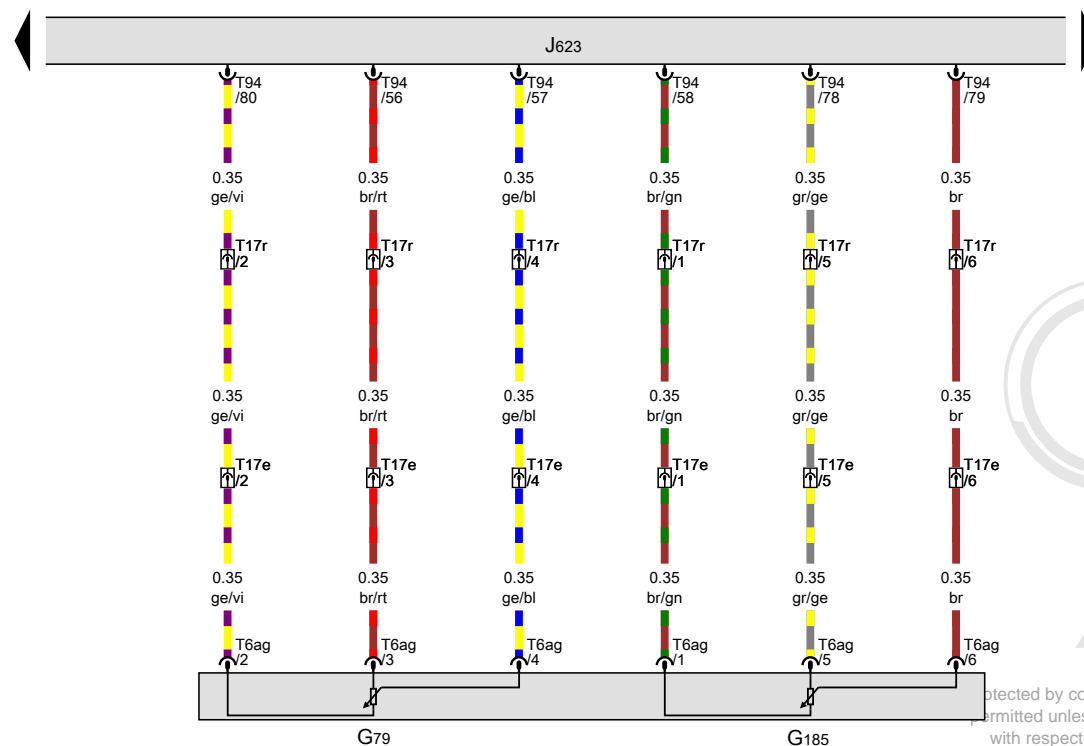
- F378 Reduced oil pressure switch
- G61 Knock sensor 1
- G66 Knock sensor 2
- J623 Engine control module
- T3ar 3-pin connector, green
- T3as 3-pin connector, gray
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector
- T94 94-pin connector
- (200) Ground connection shielding (in engine compartment wiring harness)
- (D124) Connection 22 (in engine compartment wiring harness)





Accelerator pedal position sensor, Accelerator pedal position sensor 2

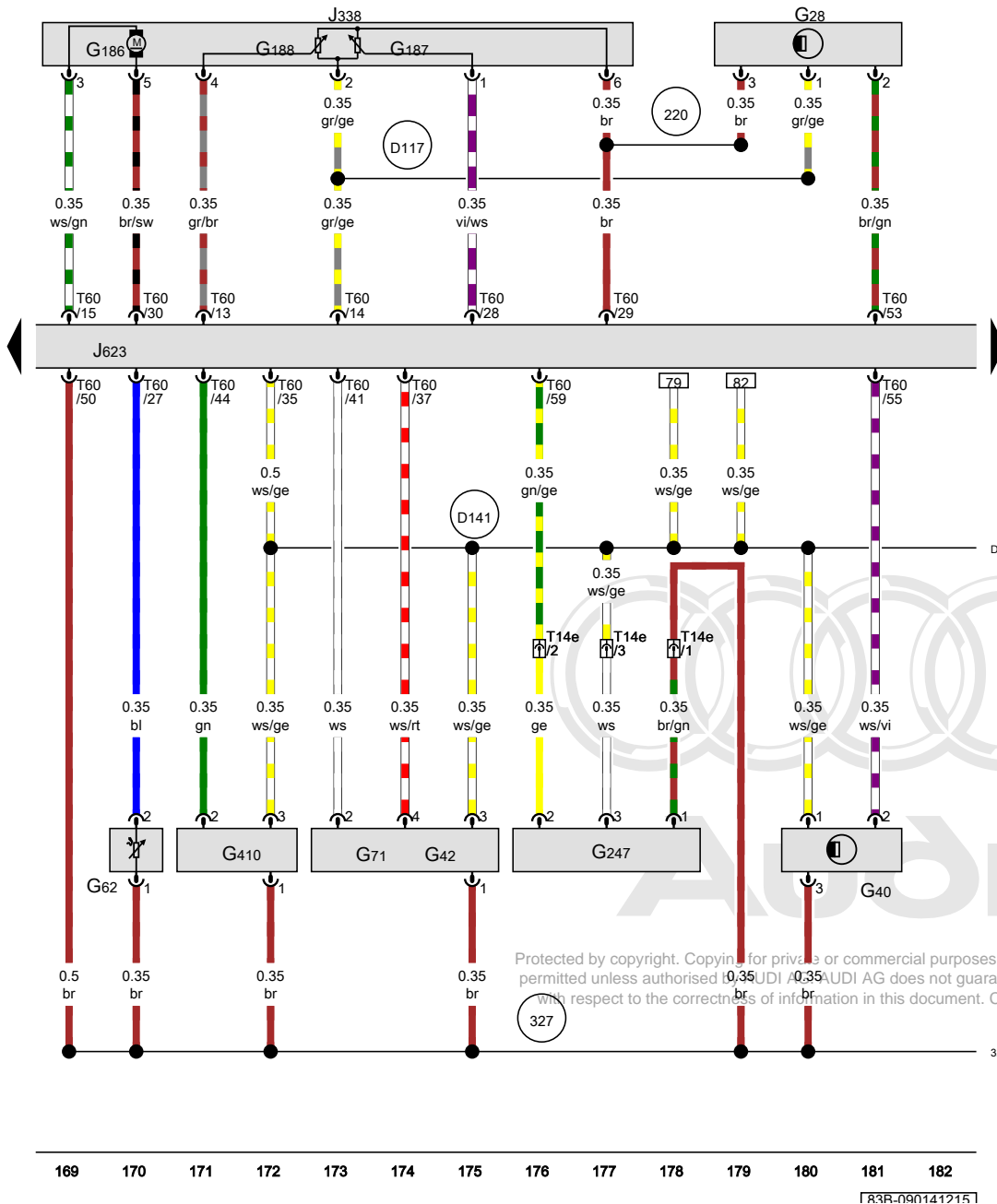
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, green
- T17r 17-pin connector, white
- T94 94-pin connector



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

155 156 157 158 159 160 161 162 163 164 165 166 167 168

[83B-090131215]



Engine speed sensor, Camshaft position sensor, Engine coolant temperature sensor, Fuel pressure sensor, Throttle valve control module

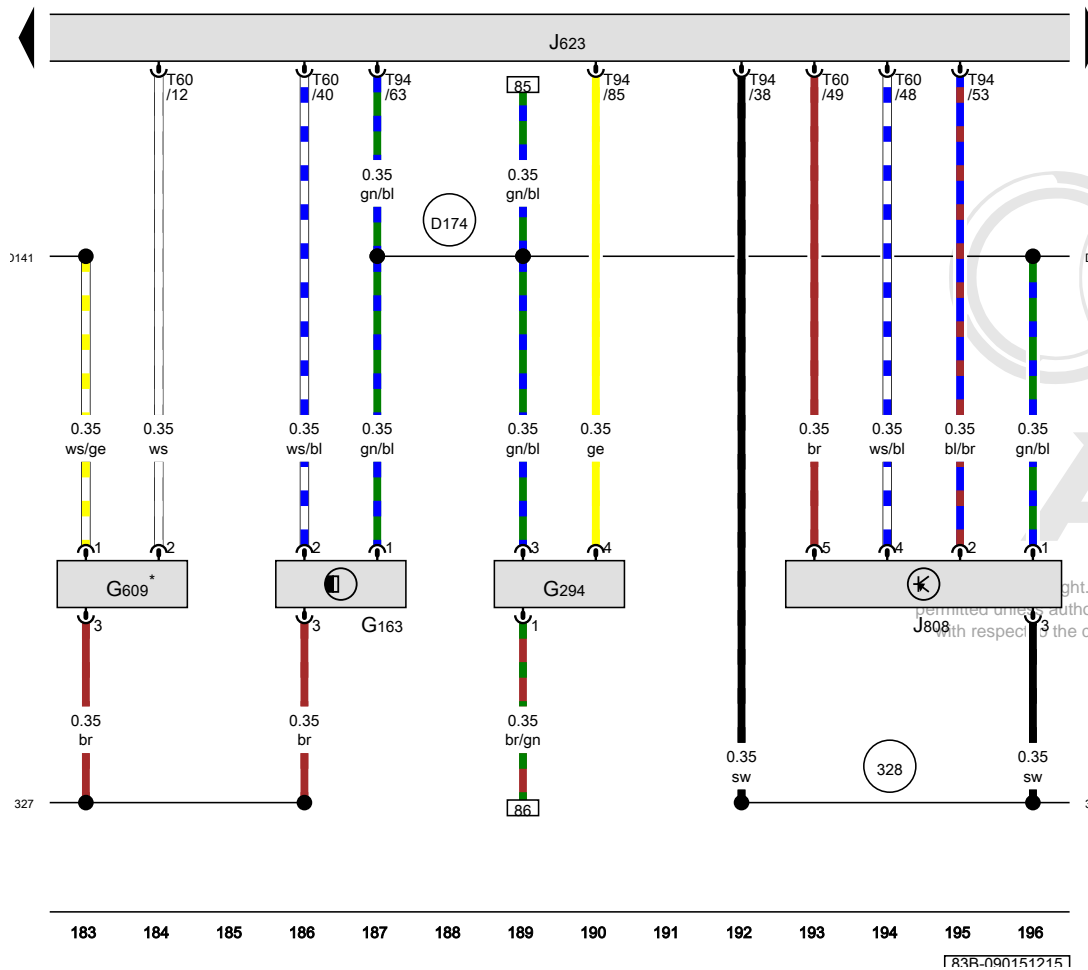
- G28 Engine speed sensor
- G40 Camshaft position sensor
- G42 Intake air temperature sensor
- G62 Engine coolant temperature sensor
- G71 Manifold absolute pressure sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G247 Fuel pressure sensor
- G410 Low fuel pressure sensor
- J338 Throttle valve control module
- J623 Engine control module
- T14e 14-pin connector, in the engine compartment, left
- T60 60-pin connector

- 220 Sensor ground connection (in engine wiring harness)
- 327 Sensor ground connection (in engine compartment wiring harness)
- D117 Connection 15 (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)

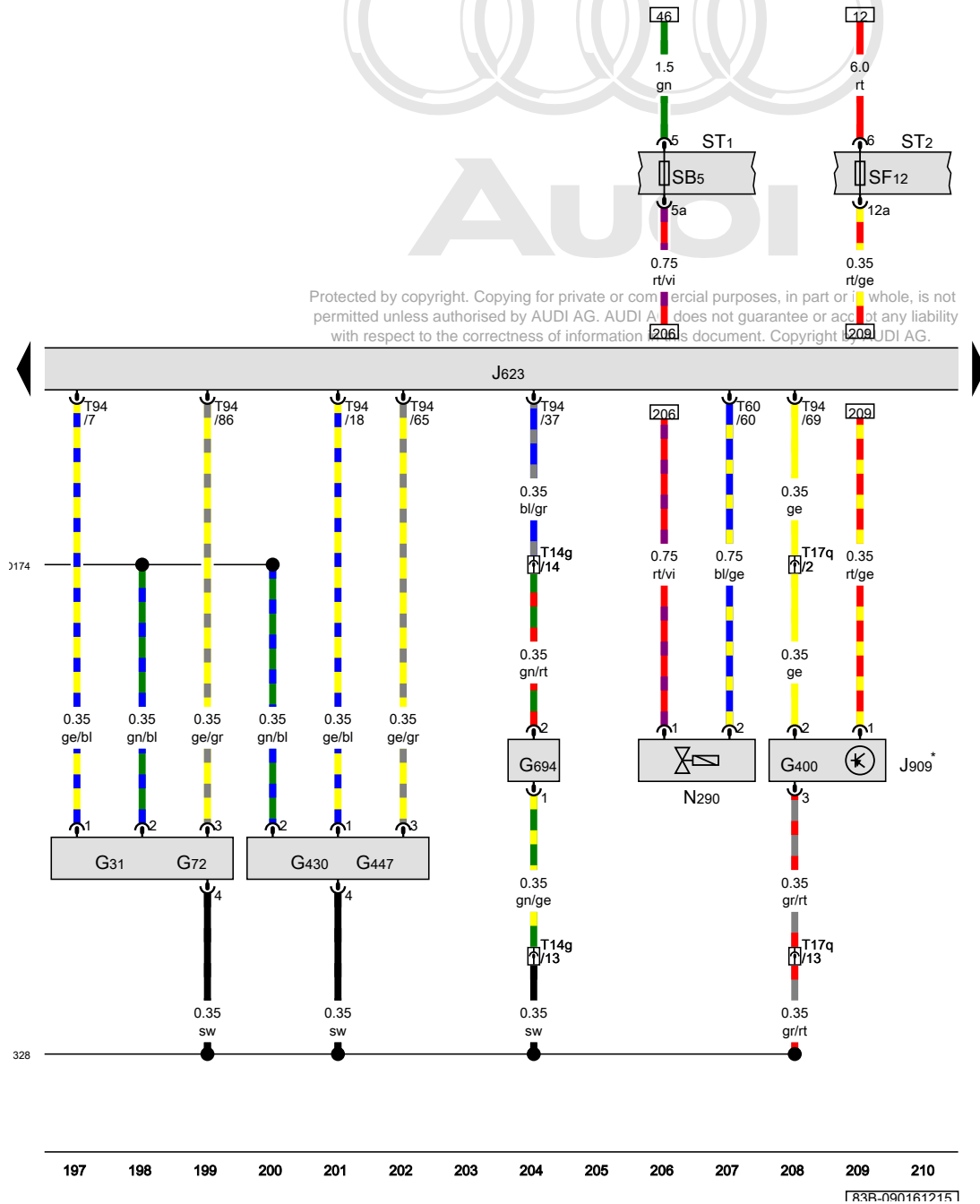
Camshaft position sensor 2, Brake booster pressure sensor, Regulating flap control unit

- G163 Camshaft position sensor 2
- G294 Brake booster pressure sensor
- G609 Secondary air injection sensor 1
- J623 Engine control module
- J808 Regulating flap control unit
- T60 60-pin connector
- T94 94-pin connector

- 327 Sensor ground connection (in engine compartment wiring harness)
- 328 Sensor ground connection 2 (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)
- \* Only for vehicles with US equipment



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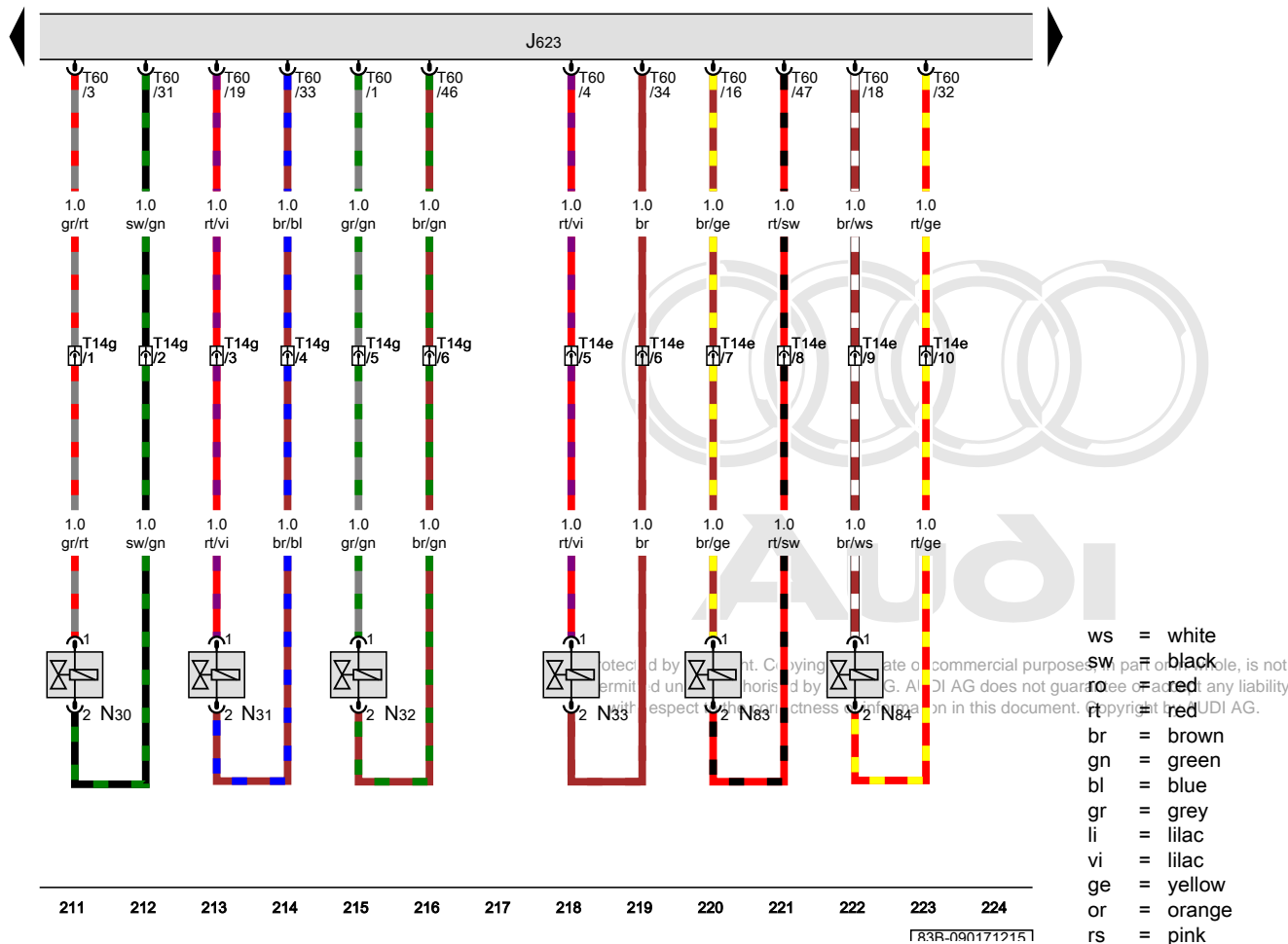


# Charge air pressure sensor, Intake manifold temperature sensor 2, Charge air pressure sensor 2, Fuel tank leak detection control module

- G31 Charge air pressure sensor
- G72 Intake manifold temperature sensor
- G400 Fuel tank pressure sensor
- G430 Intake manifold temperature sensor 2
- G447 Charge air pressure sensor 2
- G694 Engine temperature control sensor
- J623 Engine control module
- J909 Fuel tank leak detection control module
- N290 Fuel metering valve
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SB5 Fuse 5 (on fuse panel B)
- SF12 Fuse 12 (on fuse panel F)
- T14g 14-pin connector, in the engine compartment, right
- T17q 17-pin connector, red
- T60 60-pin connector
- T94 94-pin connector
- 328 Sensor ground connection 2 (in engine compartment wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)
- \* Only for vehicles with a fuel system diagnostic pump

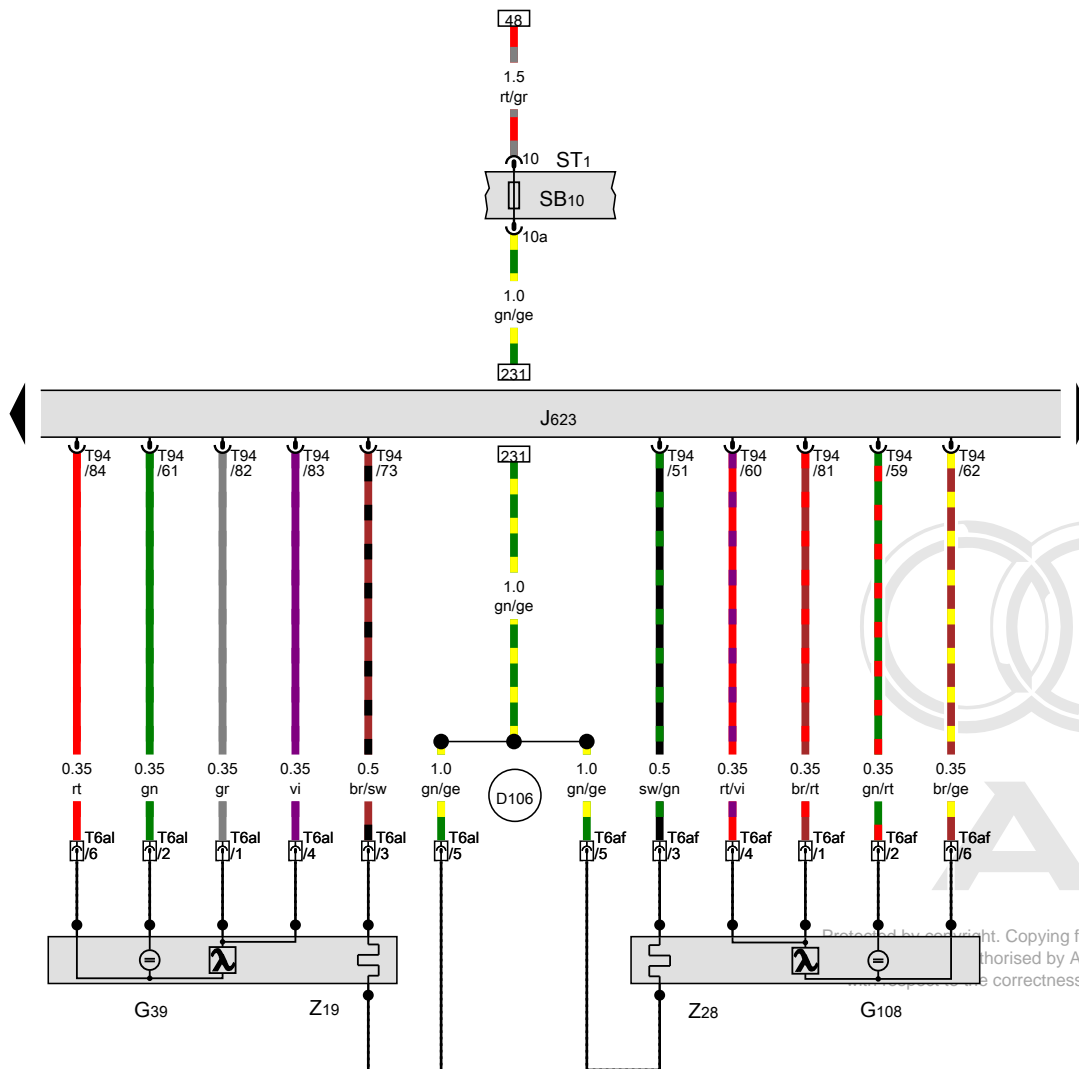
Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Cylinder 5 fuel injector, Cylinder 6 fuel injector

- 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
- N84 Cylinder 6 fuel injector
- T14e 14-pin connector, in the engine compartment, left
- T14g 14-pin connector, in the engine compartment, right
- T60 60-pin connector

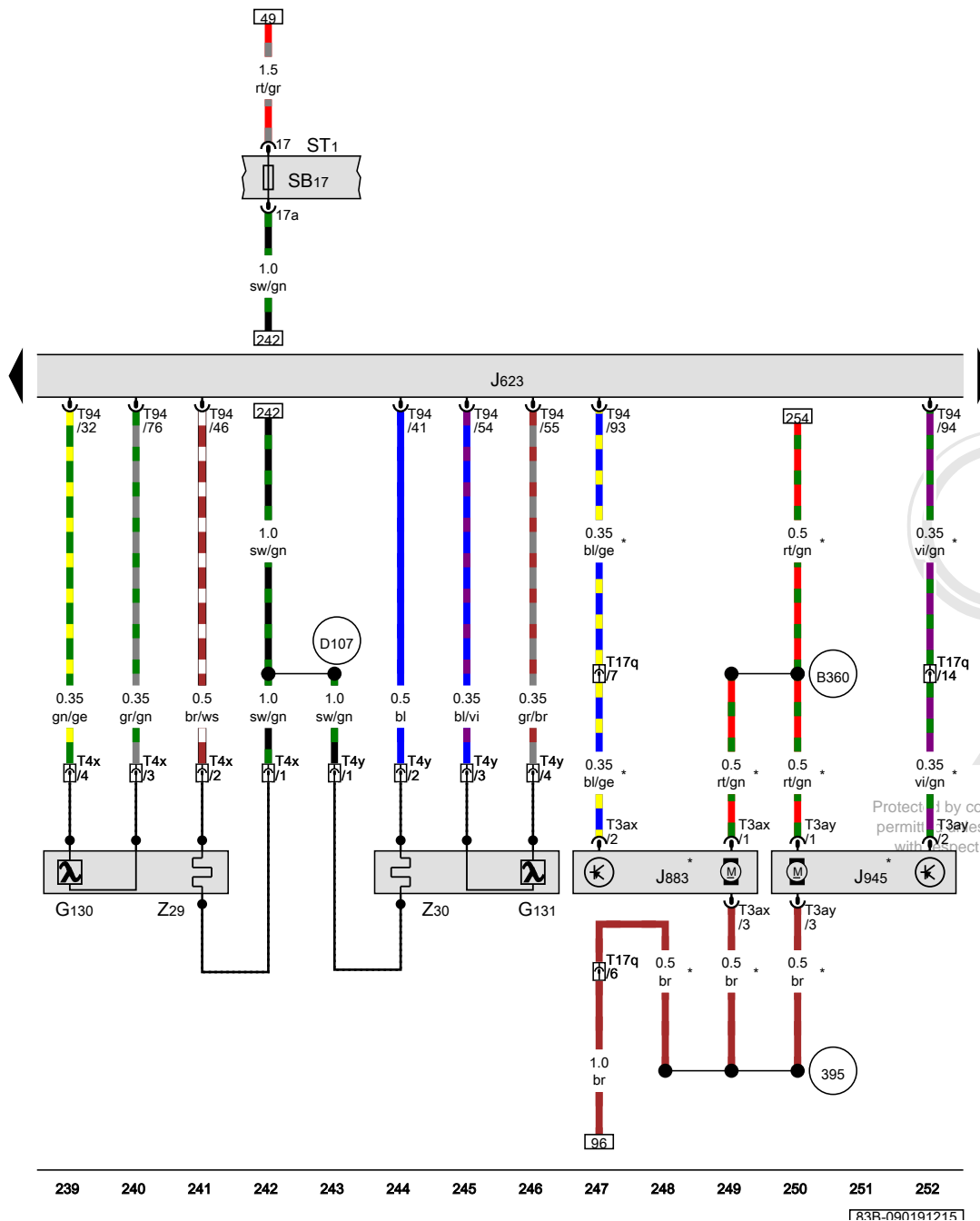


# Heated oxygen sensor, Heated oxygen sensor 2

- G39 Heated oxygen sensor
- G108 Heated oxygen sensor 2
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T6af 6-pin connector, black
- T6al 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z28 Oxygen sensor 2 heater
- D106 Connection 4 (in engine compartment wiring harness)



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

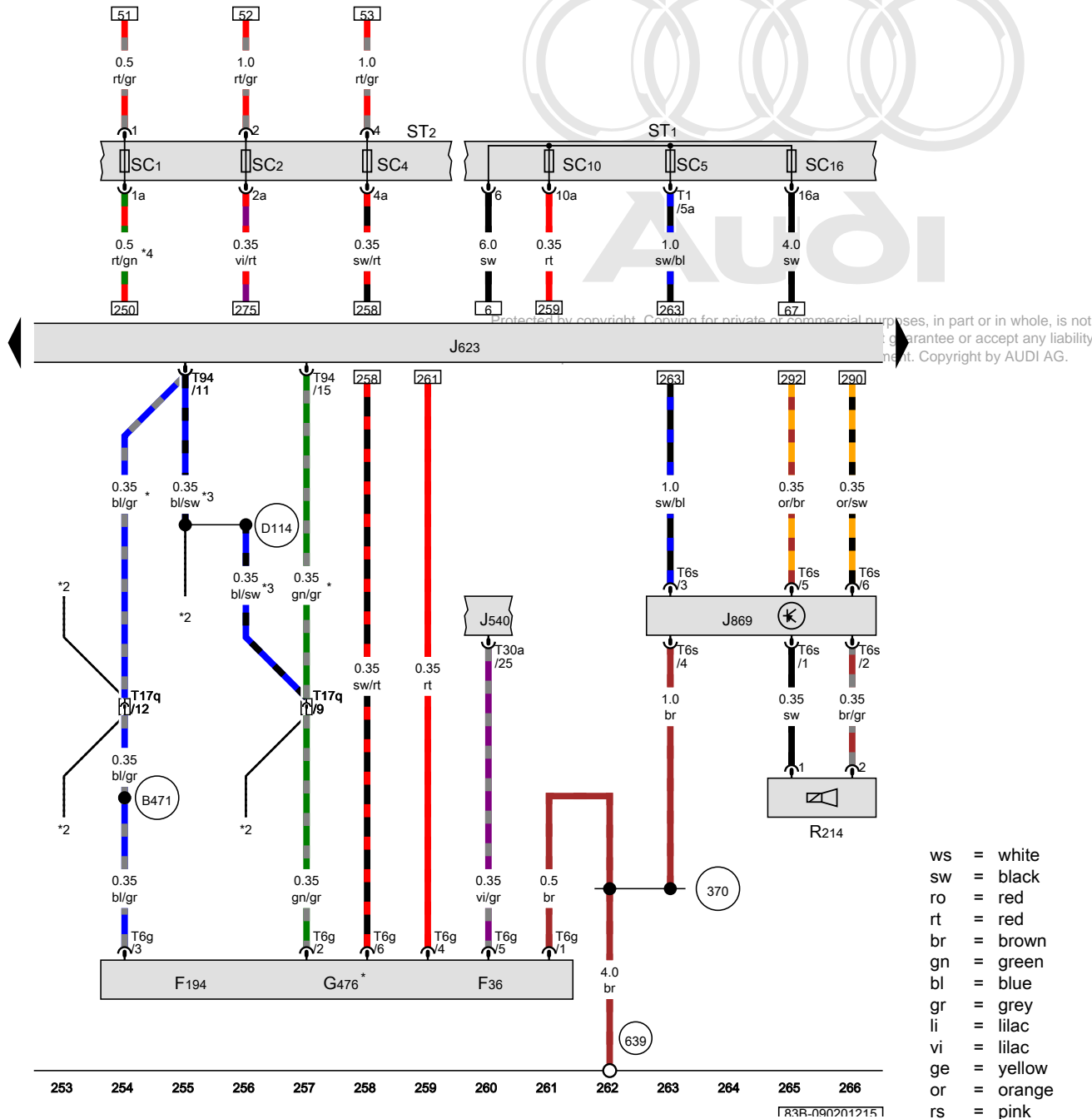


# Oxygen sensor after catalytic converter, Oxygen sensor 2 after catalytic converter

- G130 Oxygen sensor after catalytic converter
- G131 Oxygen sensor 2 after catalytic converter
- J623 Engine control module
- J883 Exhaust door control unit
- J945 Exhaust door control unit 2
- ST1 Fuse panel 1
- SB17 Fuse 17 (on fuse panel B)
- T3ax 3-pin connector
- T3ay 3-pin connector
- T4x 4-pin connector, black
- T4y 4-pin connector, brown
- T17q 17-pin connector, red
- T94 94-pin connector
- Z29 Heater for oxygen sensor 1 after catalytic converter
- Z30 Heater for oxygen sensor 2 after catalytic converter

- 395 Ground connection 30 (in main wiring harness)
- B360 Positive connection 11 (87a) (in main wiring harness)
- D107 Connection 5 (in engine compartment wiring harness)
- \* Depending on equipment

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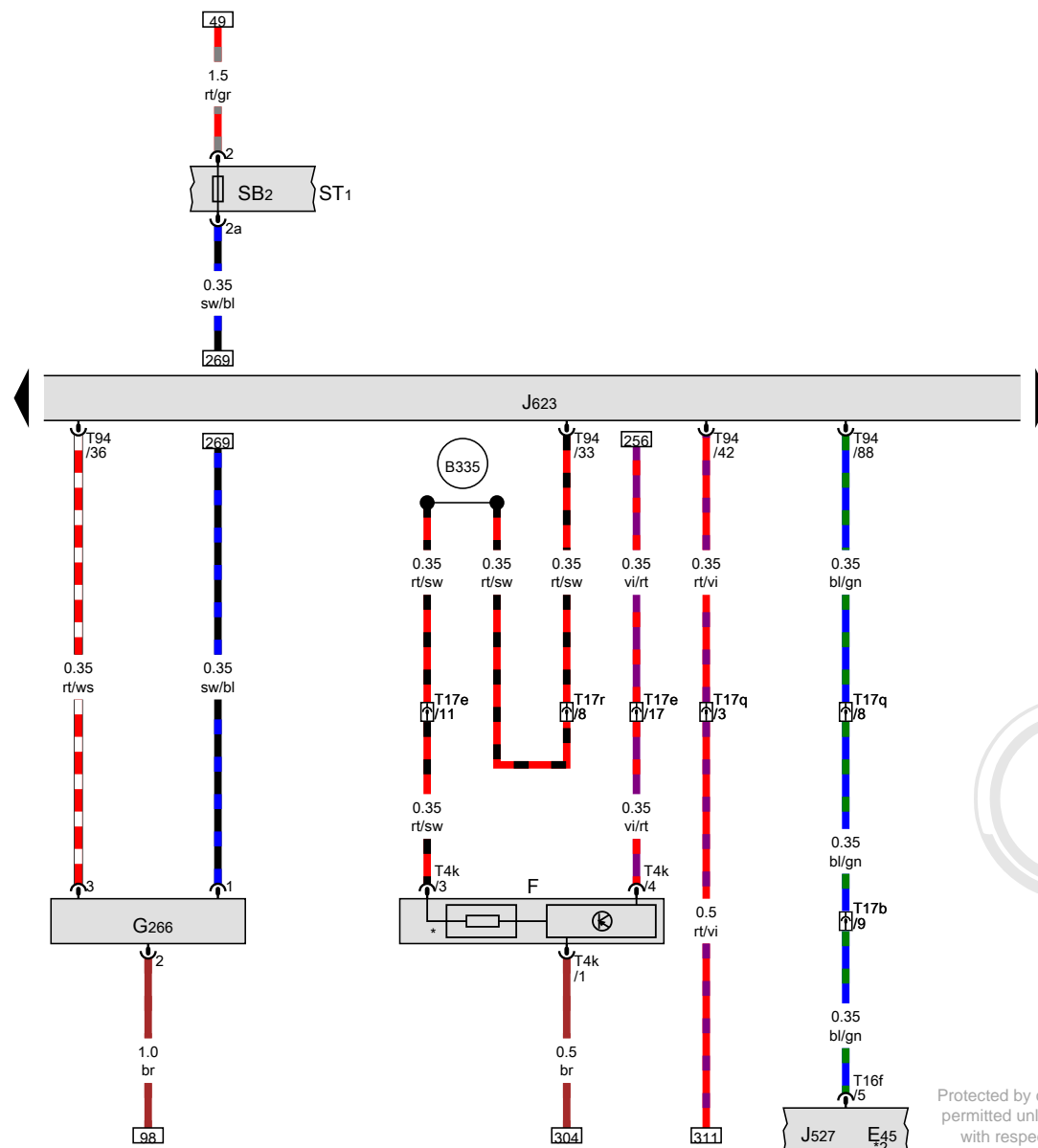


### Clutch position sensor

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- J869 Structure borne sound control module
- R214 Structure-borne sound actuator
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T1 1-pin connector
- T6g 6-pin connector
- T6s 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T94 94-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- \* Only for vehicles with a manual transmission
- \*2 Refer to applicable wiring diagram for automatic transmission
- \*3 Only for vehicles with automatic transmission
- \*4 Depending on equipment





# Brake lamp switch, Oil level thermal sensor, Steering column electronics control module

- E45 Cruise control switch
- F Brake lamp switch
- G266 Oil level thermal sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- T4k 4-pin connector
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T94 94-pin connector

B335 Connection 54 (in main wiring harness) 1

- \* Brake lamp sensor system coil
- \*2 Only for vehicles with cruise control

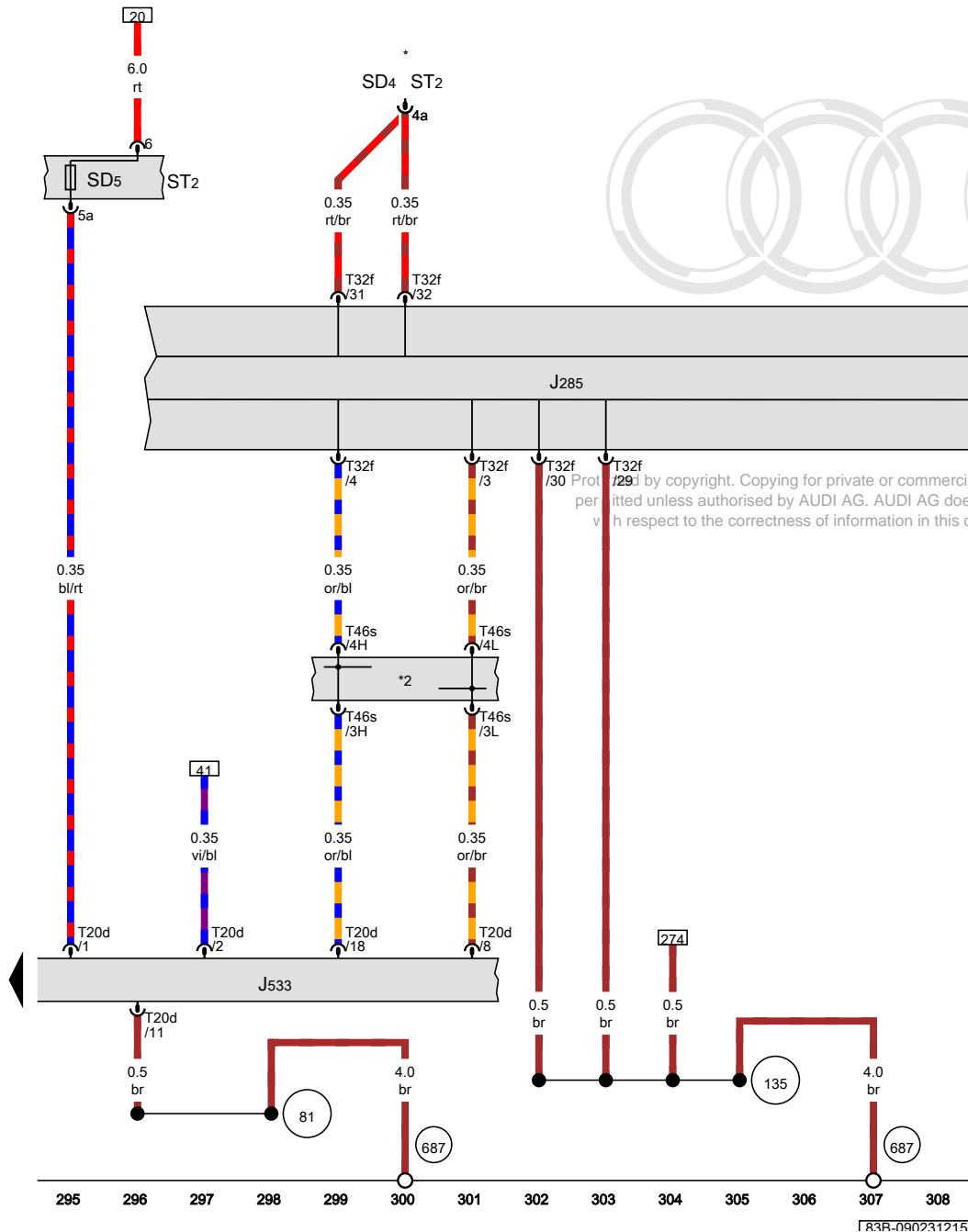
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rt = red  
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gr = grey  
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rs = pink

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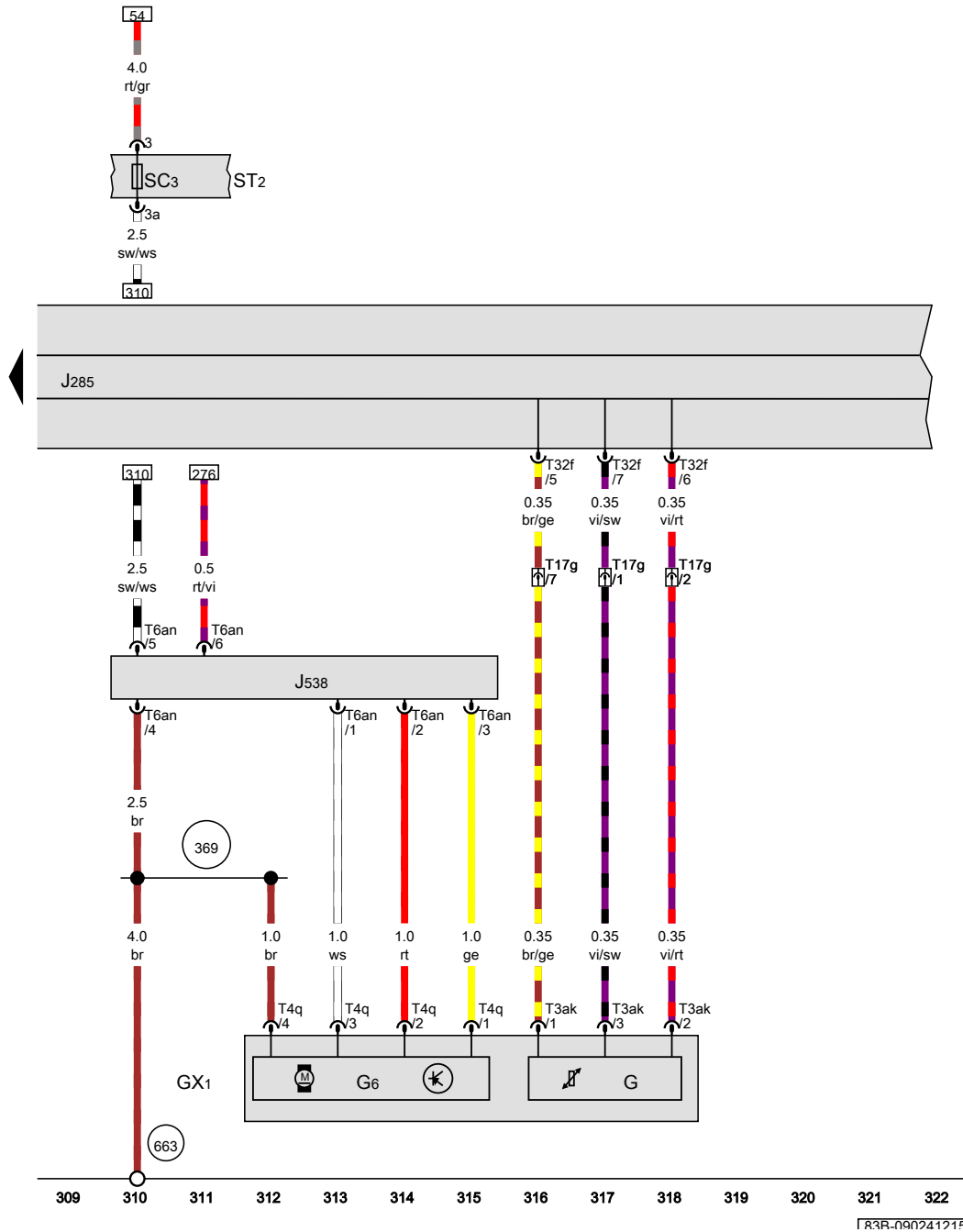
# Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel

\* Refer to applicable wiring diagram for fuse positions  
\*2 Refer to the applicable wiring diagram for CAN isolating plug

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# Fuel delivery unit, Instrument cluster control module, Fuel pump control module

- G Fuel level sensor
- GX1 Fuel delivery unit
- G6 Transfer fuel pump
- J285 Instrument cluster control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T3ak 3-pin connector
- T4q 4-pin connector
- T6an 6-pin connector
- T17g 17-pin connector, black
- T32f 32-pin connector

369 Ground connection 4 (in main wiring harness)

663 Ground connection in right rear side panel

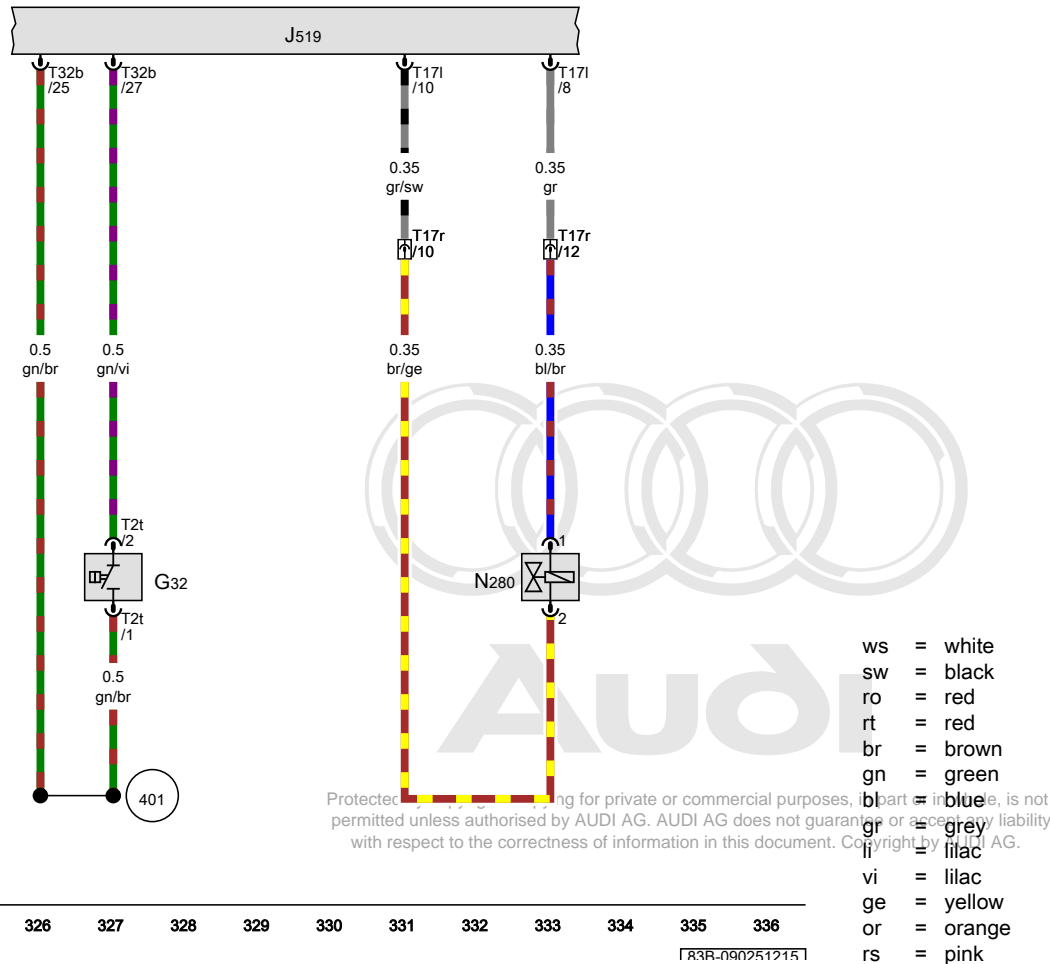
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Engine coolant level sensor, Vehicle electrical system control module

- G32 Engine coolant level sensor
- J519 Vehicle electrical system control module
- N280 A/C compressor regulator valve
- T2t 2-pin connector
- T17l 17-pin connector
- T17r 17-pin connector, white
- T32b 32-pin connector

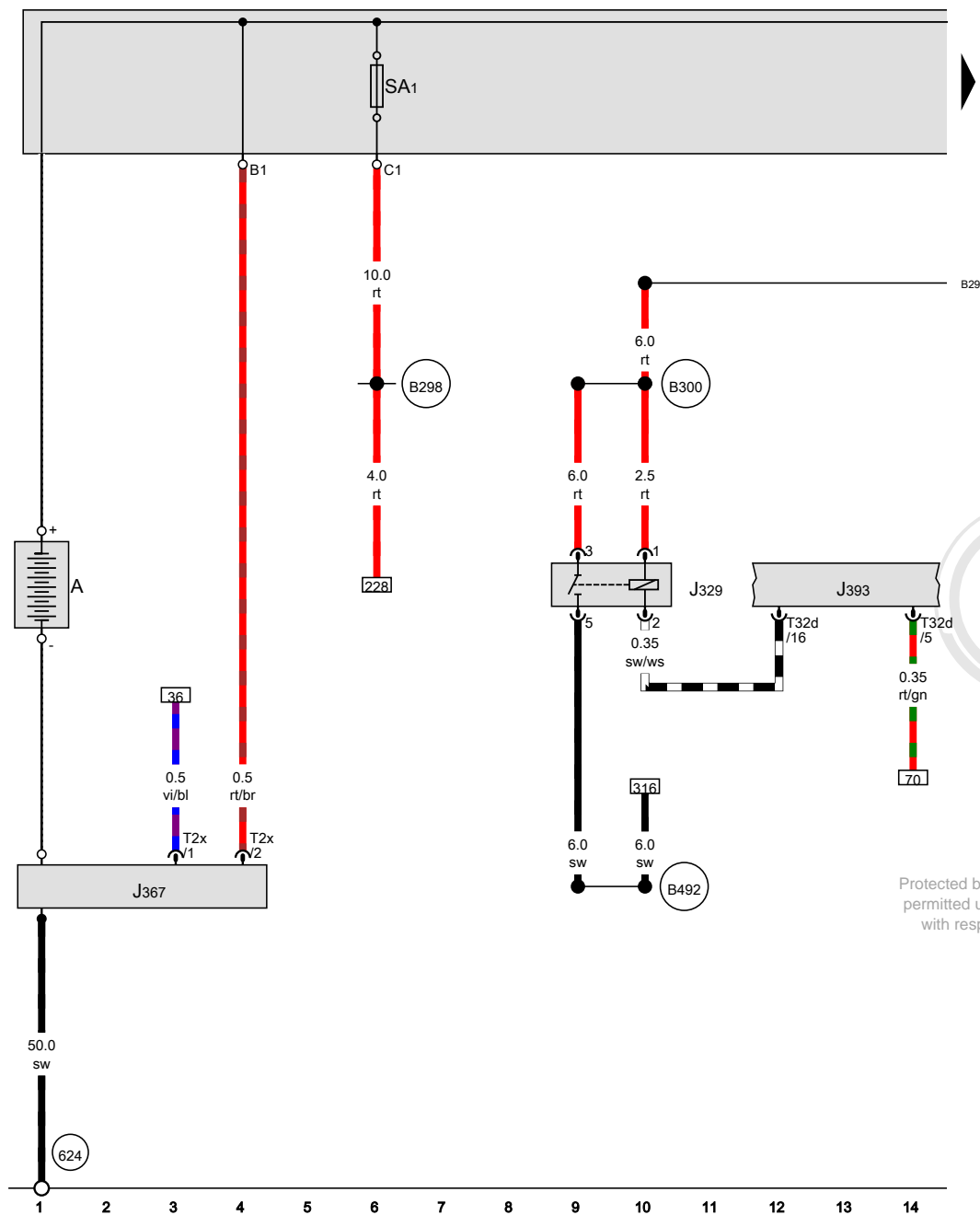
401 Sensor ground connection (in interior wiring harness)



**3.0L diesel engine , CCWA,CCWB,CDUD,CPHB,CPNB,CTBA,CTBC,CLAB**  
from May 2012



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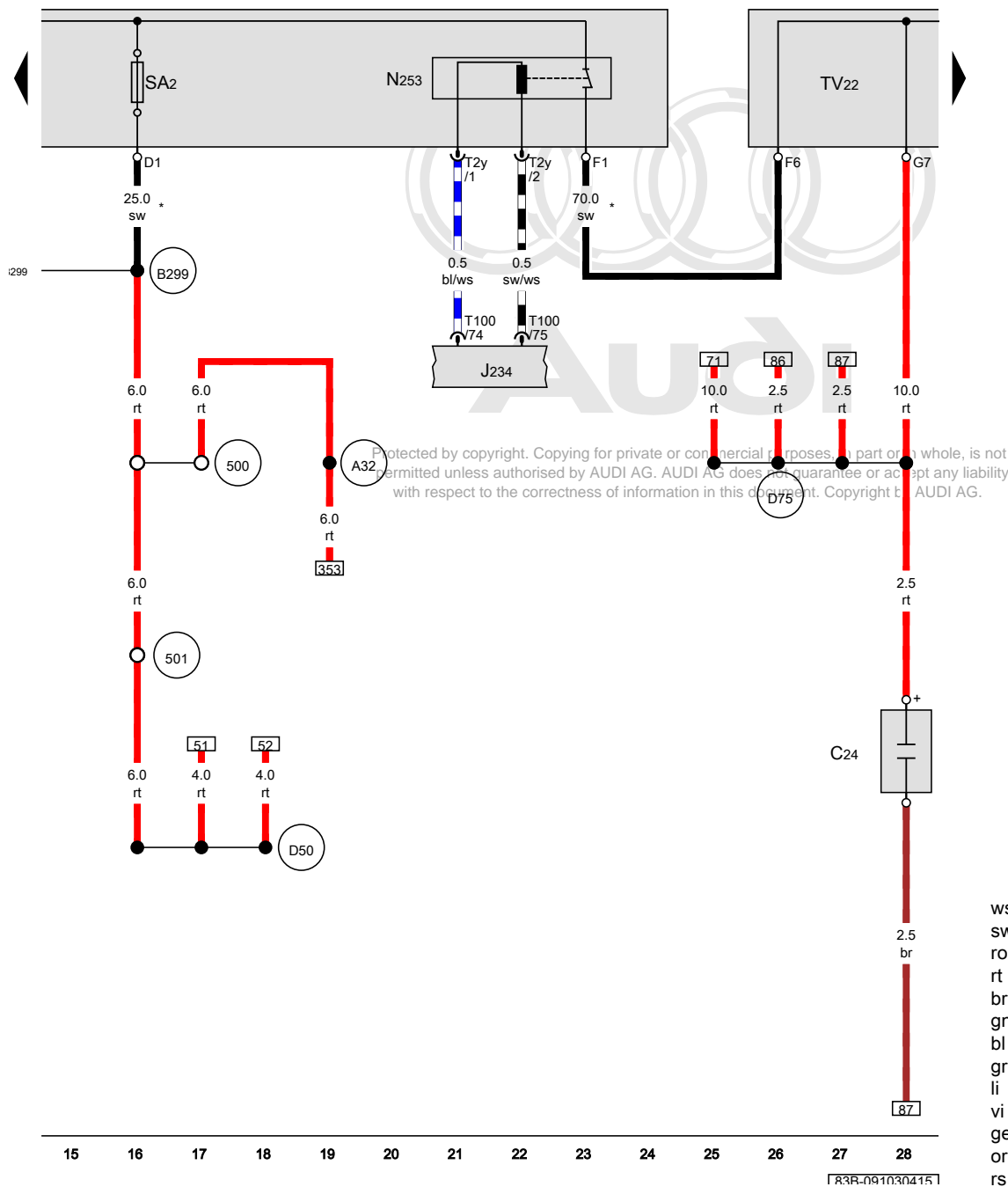


# Battery, Terminal 15 power supply relay

- A Battery
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA1 Fuse 1 (on fuse panel A)
- T2x Double connector
- T32d 32-pin connector
- 624 Ground connection near starter battery
- B298 Positive connection 2 (30) (in main wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)

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# Battery interrupt igniter, Terminal 30 wire junction 2

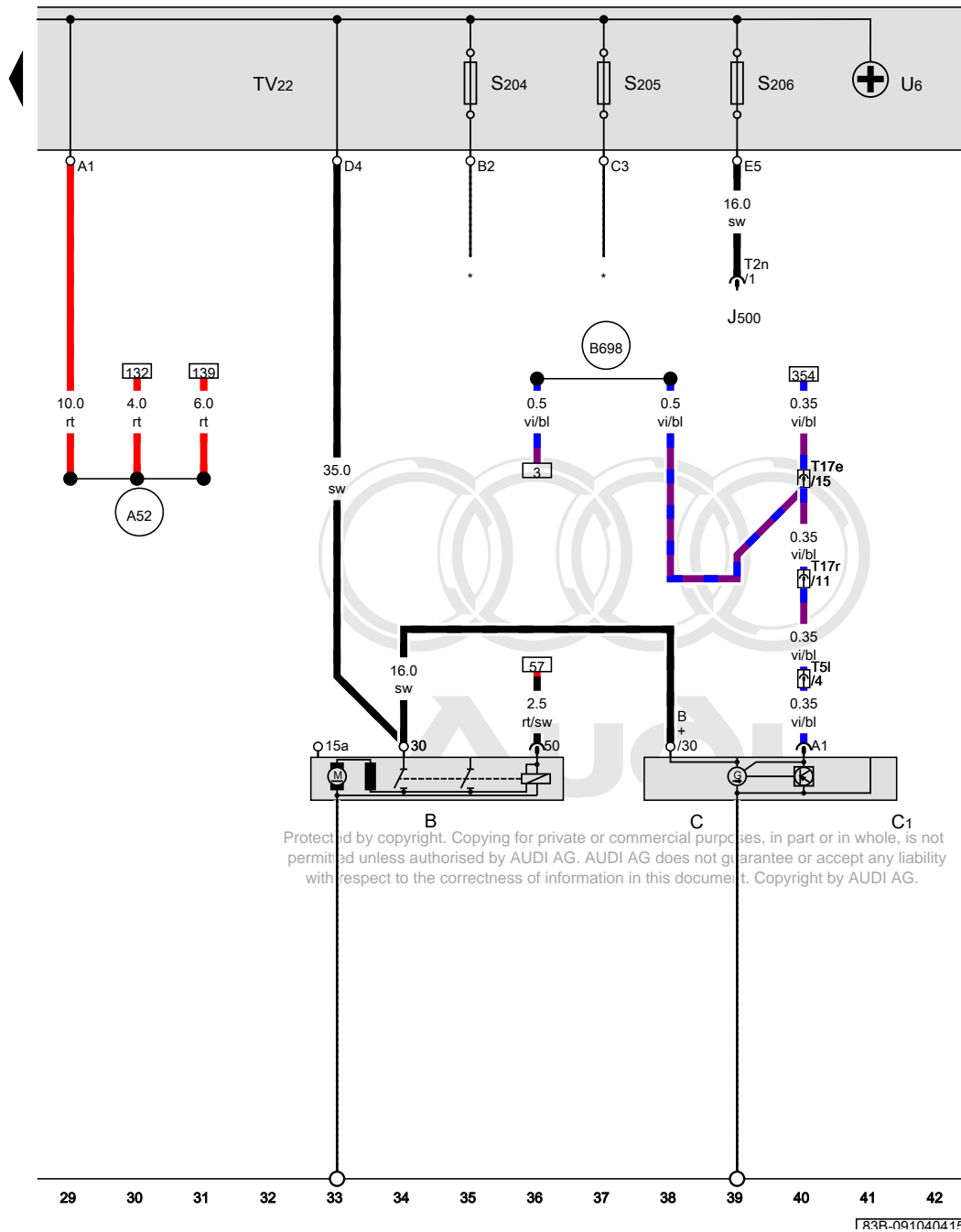
- C24 Suppressor
- J234 Airbag control module
- N253 Battery interrupt igniter
- SA2 Fuse 2 (on fuse panel A)
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector

- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)

\* Diameter depends on equipment

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
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- vi = lilac
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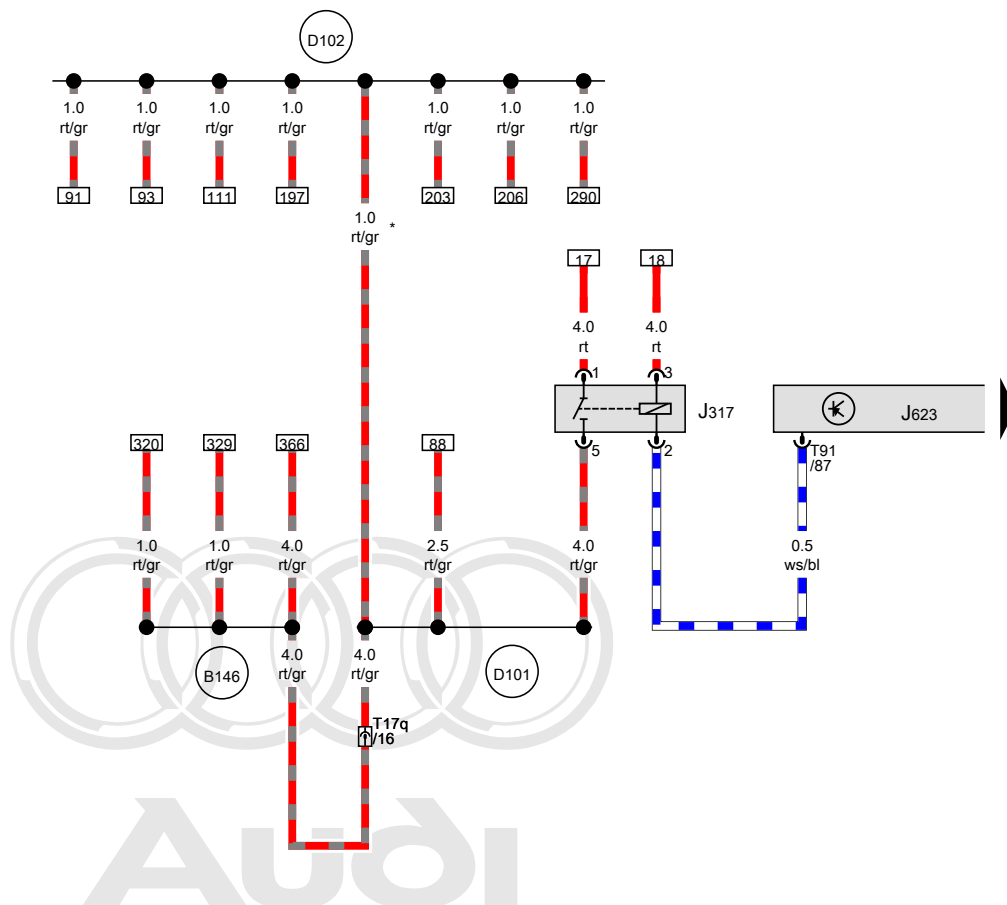




**Starter, Generator, Voltage regulator, Terminal 30 wire junction 2, Battery jump start terminal**

- |      |   |
|------|---|
| B    | Starter   |
| C    | Generator   |
| C1   | Voltage regulator   |
| J500 | Power steering control module                                   |
| S204 | Fuse 1 (terminal 30)  |
| S205 | Fuse 2 (terminal 30)  |
| S206 | Fuse 3 (terminal 30)  |
| T2n  | Double connector  |
| T5l  | 5-pin connector, in the engine compartment                      |
| T17e | 17-pin connector, red   |
| T17r | 17-pin connector, white   |
| TV22 | Terminal 30 wire junction 2                                     |
| U6   | Battery jump start terminal                                     |
| A52  | Positive connection 2 (30) (in instrument panel wiring harness) |
| B698 | LIN bus connection 3 (in main wiring harness)                   |
| *    | Refer to applicable coolant fan wiring diagram                  |

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



### Terminal 30 power supply relay

- J317 Terminal 30 power supply relay
- J623 Engine control module
- T17q 17-pin connector, red
- T91 91-pin connector

- B146 Positive connection 1 (87) (in interior wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)

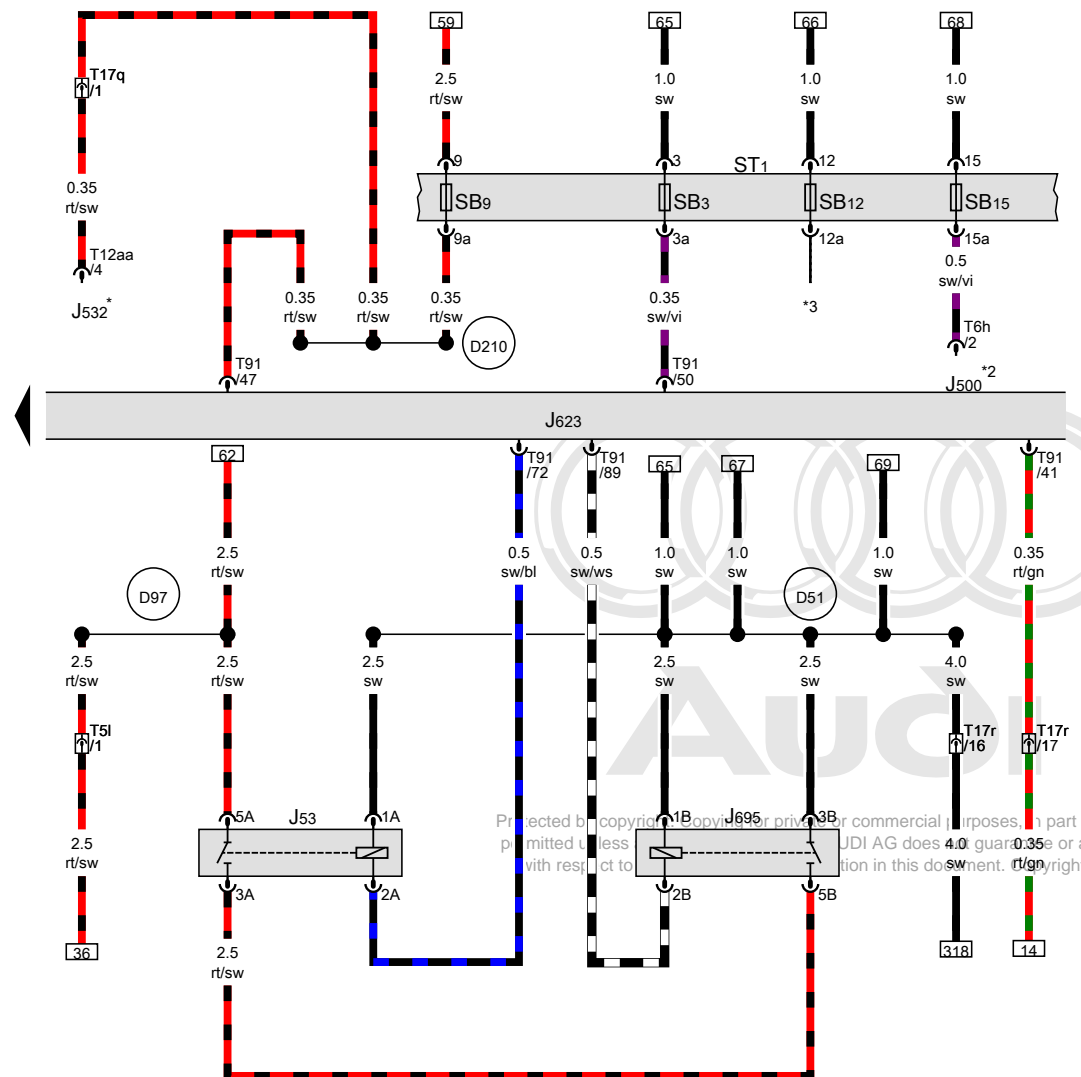
\* Diameter depends on equipment

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 ge = yellow  
 or = orange  
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43 44 45 46 47 48 49 50 51 52 53 54 55 56

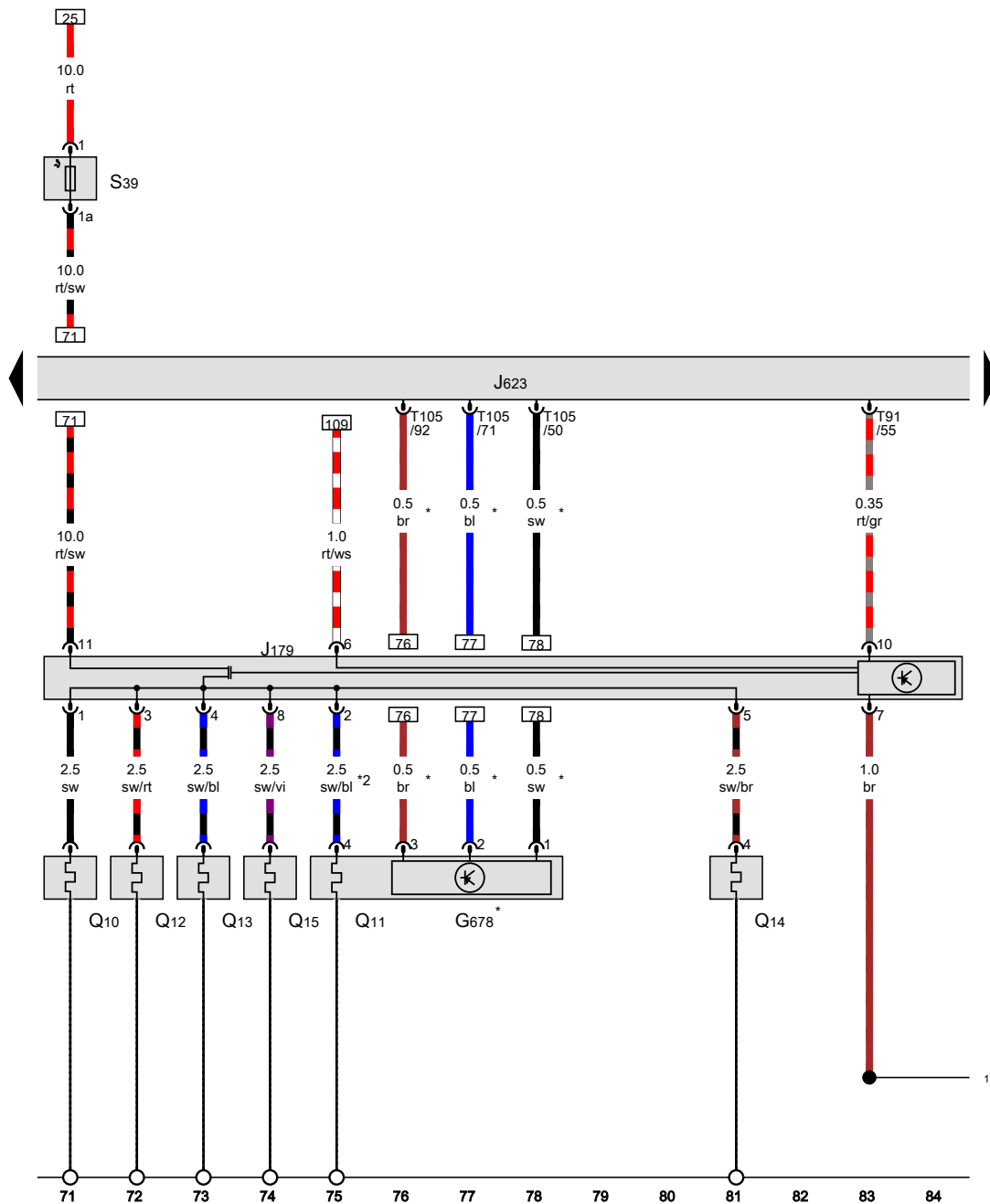
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### Starter relay, Relay 2 for starter

- J53 Starter relay
- J500 Power steering control module
- J532 Voltage stabilizer
- J623 Engine control module
- J695 Relay 2 for starter
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- T51 5-pin connector, in the engine compartment
- T6h 6-pin connector
- T12aa 12-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T91 91-pin connector
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D210 Connection 50 (in engine compartment wiring harness)
- \* Refer to the applicable Start/Stop system wiring diagram
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable transmission wiring diagram

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
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 li = lilac  
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## Cylinder 2 combustion chamber pressure sensor, Automatic glow time control module

- G678 Cylinder 2 combustion chamber pressure sensor
- J179 Automatic glow time control module
- J623 Engine control module
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- Q14 Glow plug 5
- Q15 Glow plug 6
- S39 Engine glow plug fuse strip
- T91 91-pin connector

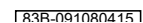
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131 Ground connection 2 (in engine compartment wiring harness)

- \* Depending on equipment
- \*2 The color of the wires depends on vehicle equipment

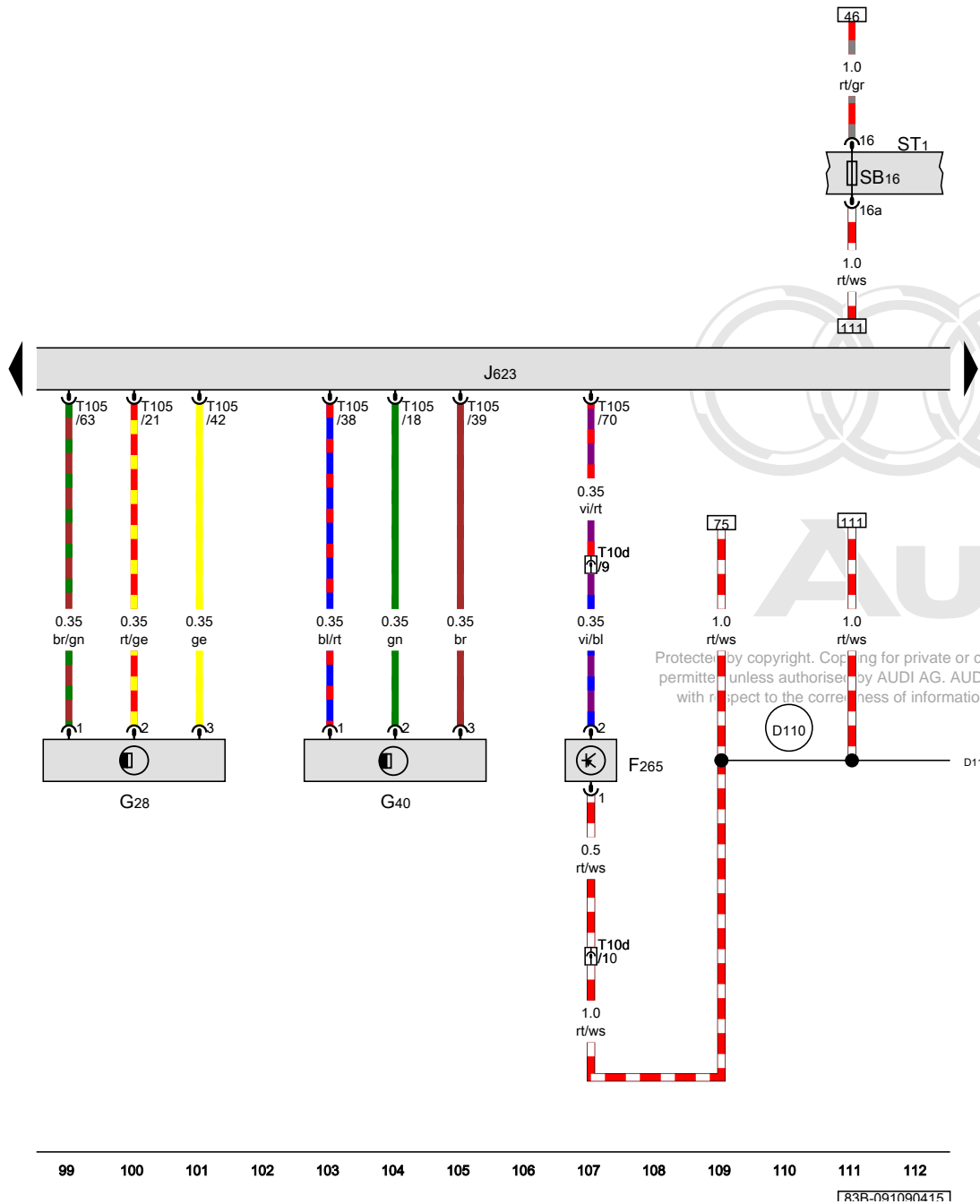
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 li = lilac  
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[83B-091070415]



\* Refer to applicable coolant fan wiring diagram  
\*2 Refer to applicable transmission wiring diagram  
\*3 1.5 diameter possible

04.2015



### Engine speed sensor, Camshaft position sensor

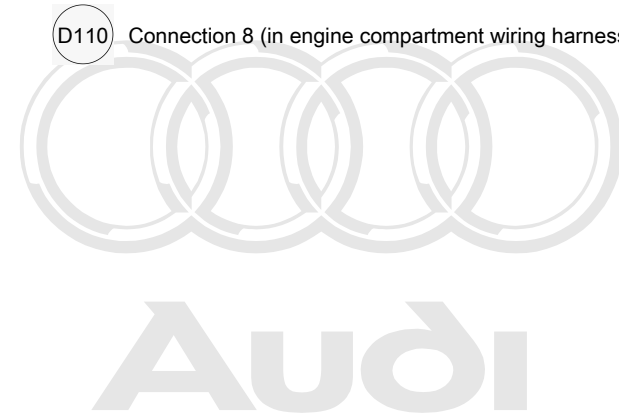
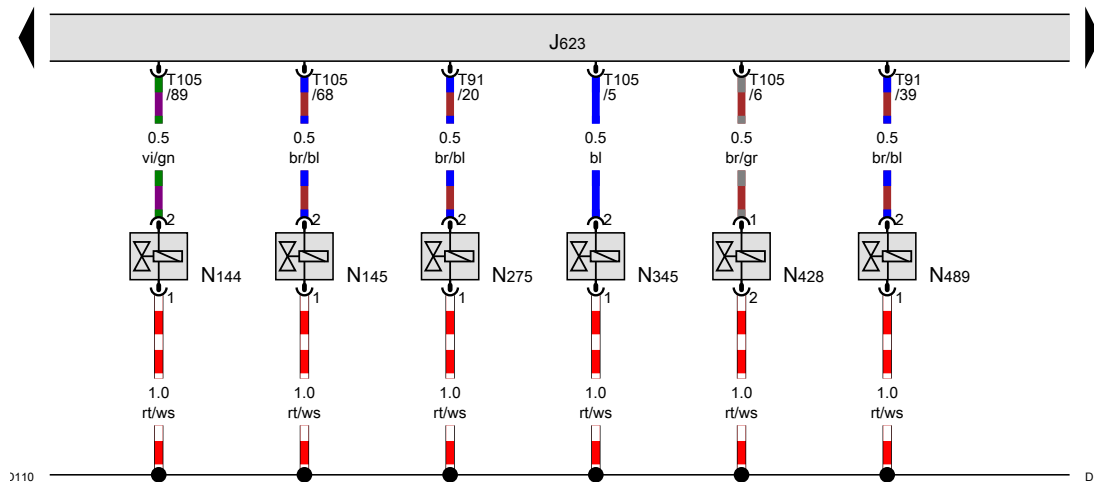
- |      |   |
|------|---|
| F265 | Map controlled engine cooling thermostat            |
| G28  | Engine speed sensor                                 |
| G40  | Camshaft position sensor                            |
| J623 | Engine control module                               |
| ST1  | Fuse panel 1  |
| SB16 | Fuse 16 (on fuse panel B)                           |
| T10d | 10-pin connector, black                             |
| T105 | 105-pin connector                                   |
| D110 | Connection 8 (in engine compartment wiring harness) |

ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
vi = lilac  
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Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve

- J623 Engine control module
- N144 Left electrohydraulic engine mount solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N275 Air filter bypass door valve
- N345 EGR cooler switch-over valve
- N428 Oil pressure regulation valve
- N489 Cylinder head coolant valve
- T91 91-pin connector
- T105 105-pin connector

D110 Connection 8 (in engine compartment wiring harness)

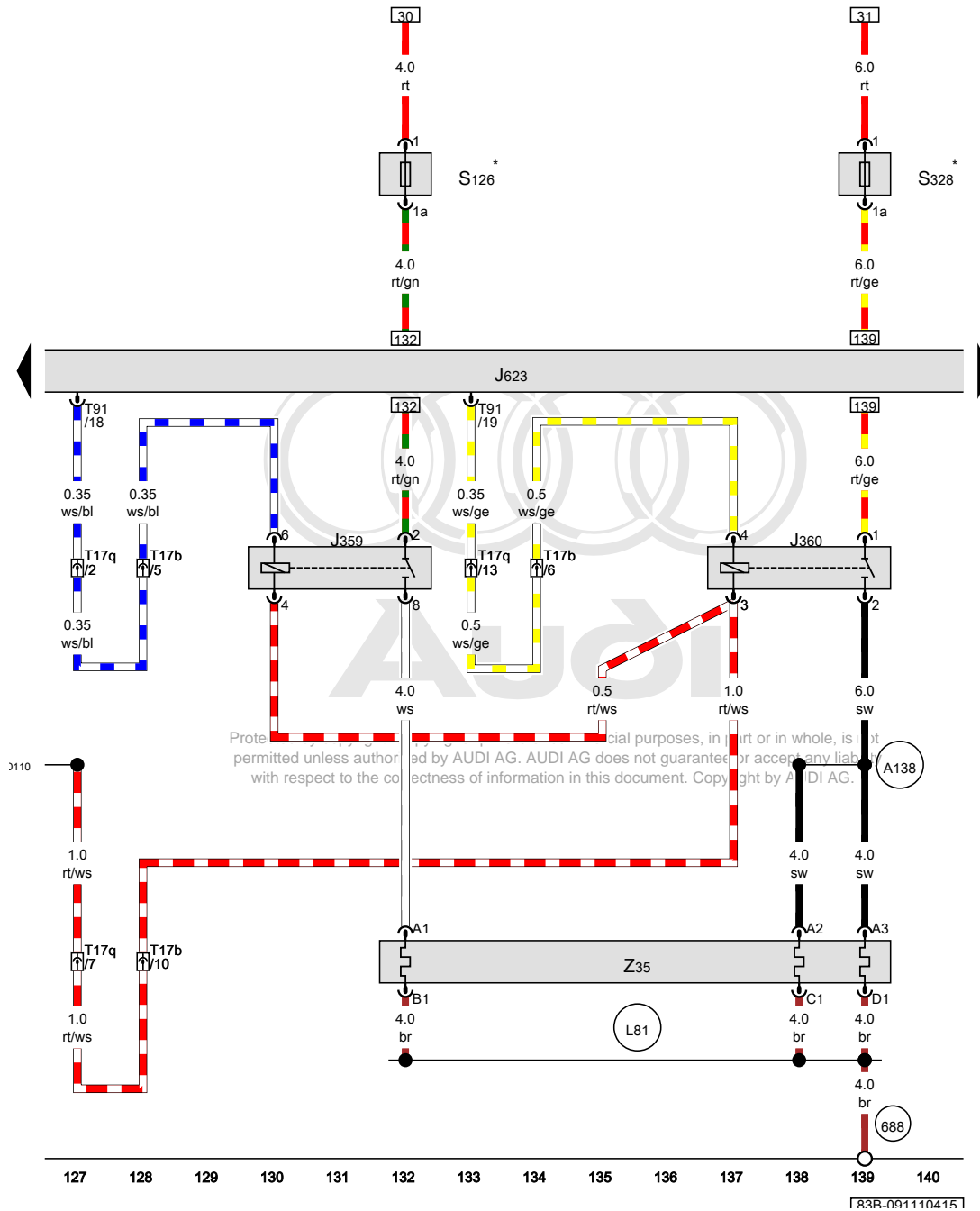


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113 114 115 116 117 118 119 120 121 122 123 124 125 126

[83B-091100415]



# Low heat output relay, Auxiliary heater heating element

- J359 Low heat output relay
- J360 High heat output relay
- J623 Engine control module
- S126 Auxiliary heater fuse
- S328 Auxiliary heater fuse 2
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T91 91-pin connector
- Z35 Auxiliary heater heating element

- 688 Ground connection 2 on center tunnel
- A138 Connection 2 (in instrument panel wiring harness)
- D110 Connection 8 (in engine compartment wiring harness)
- L81 Connection (in auxiliary heater wiring harness)

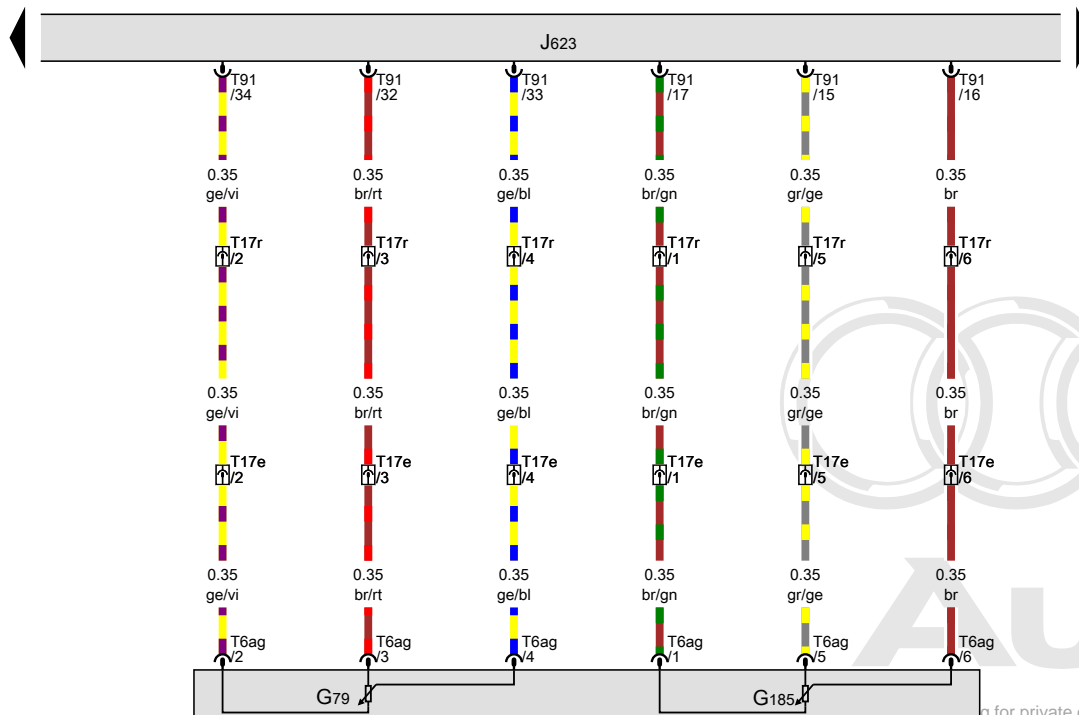
\* Only for vehicles with auxiliary heater

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Accelerator pedal position sensor, Accelerator pedal position sensor 2

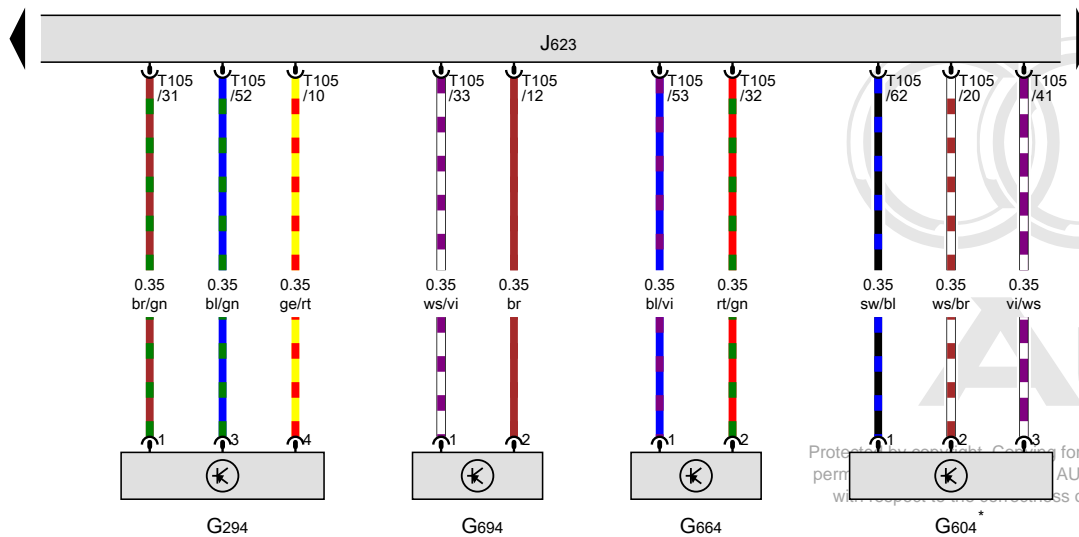
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T91 91-pin connector



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Brake booster pressure sensor, Engine temperature control sensor

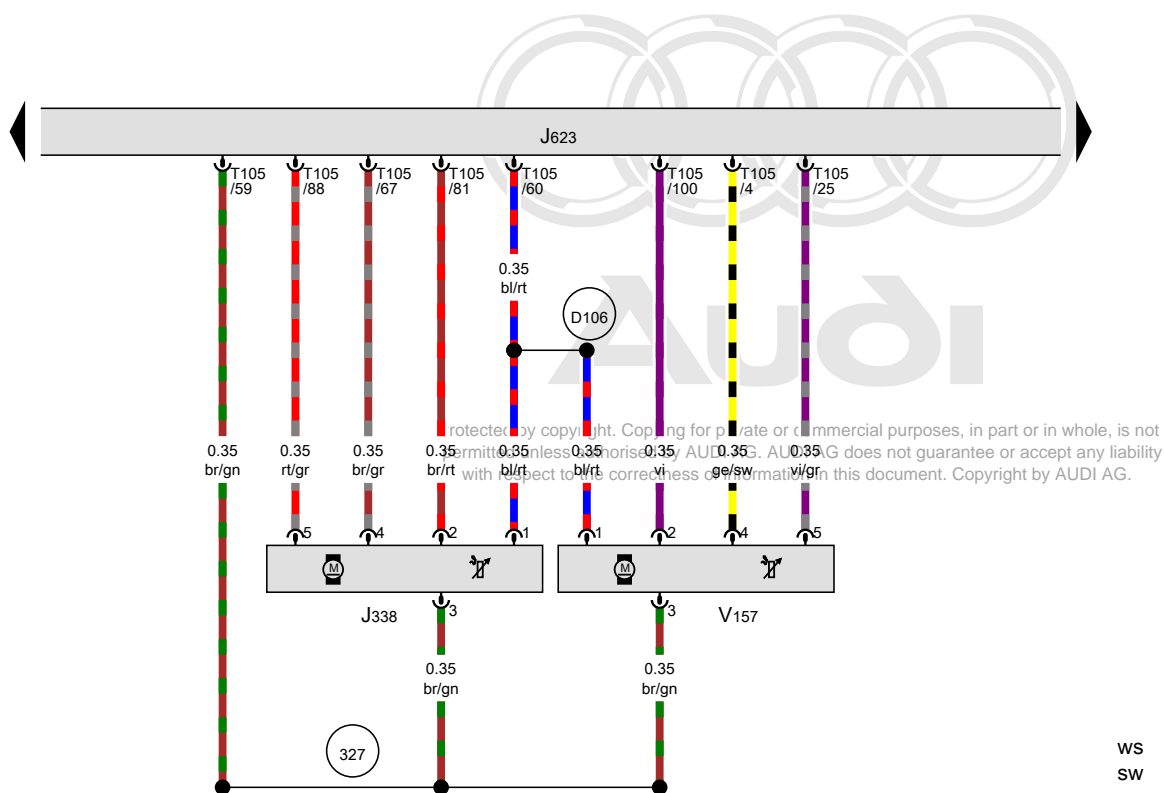
- G294 Brake booster pressure sensor
- G604 Gear recognition sensor
- G664 Oil temperature sensor 2
- G694 Engine temperature control sensor
- J623 Engine control module
- T105 105-pin connector
- \* Only for vehicles with a manual transmission



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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

# Throttle valve control module

- J338 Throttle valve control module
- J623 Engine control module
- T105 105-pin connector
- V157 Intake flap motor
- 327 Sensor ground connection (in engine compartment wiring harness)
- D106 Connection 4 (in engine compartment wiring harness)

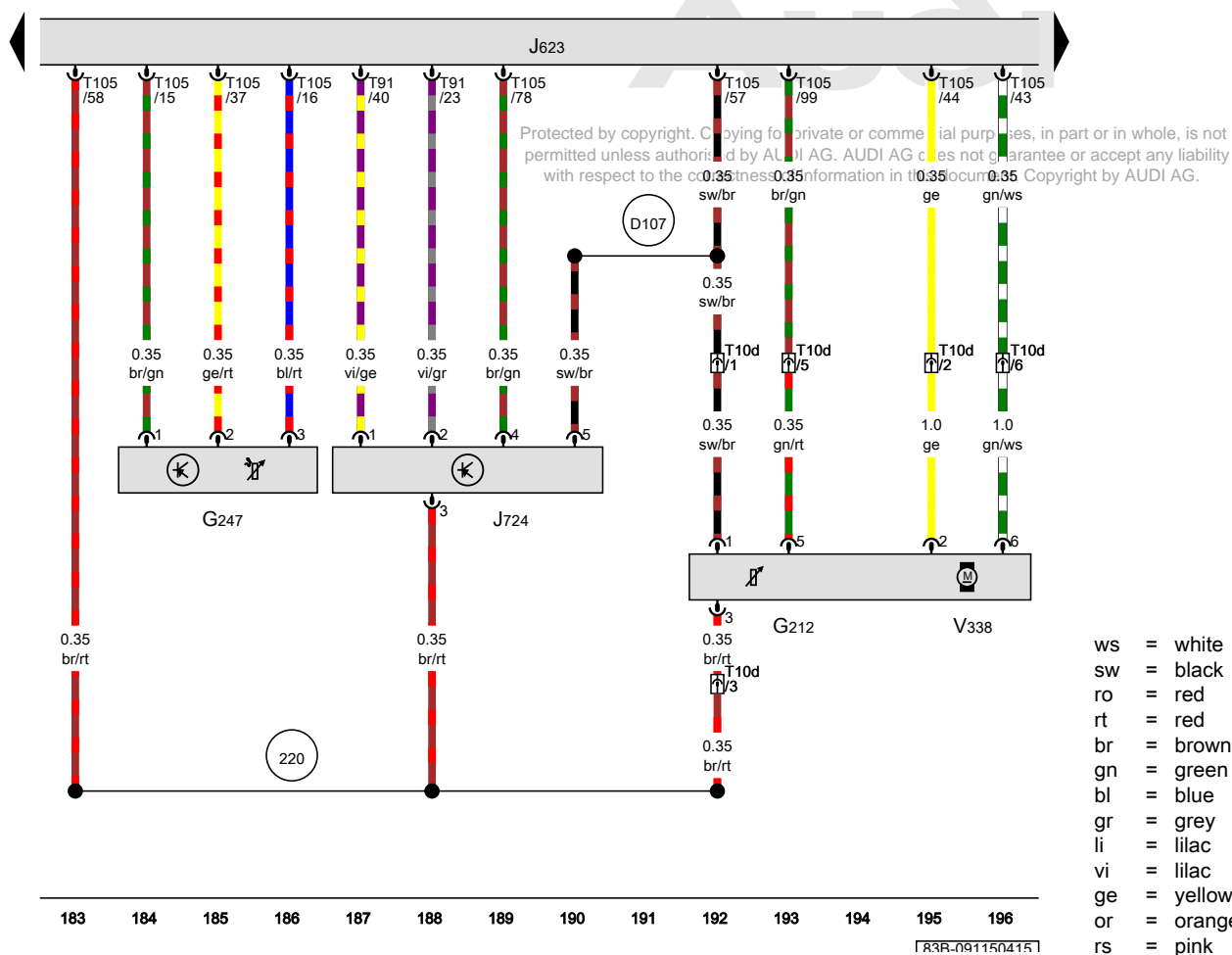


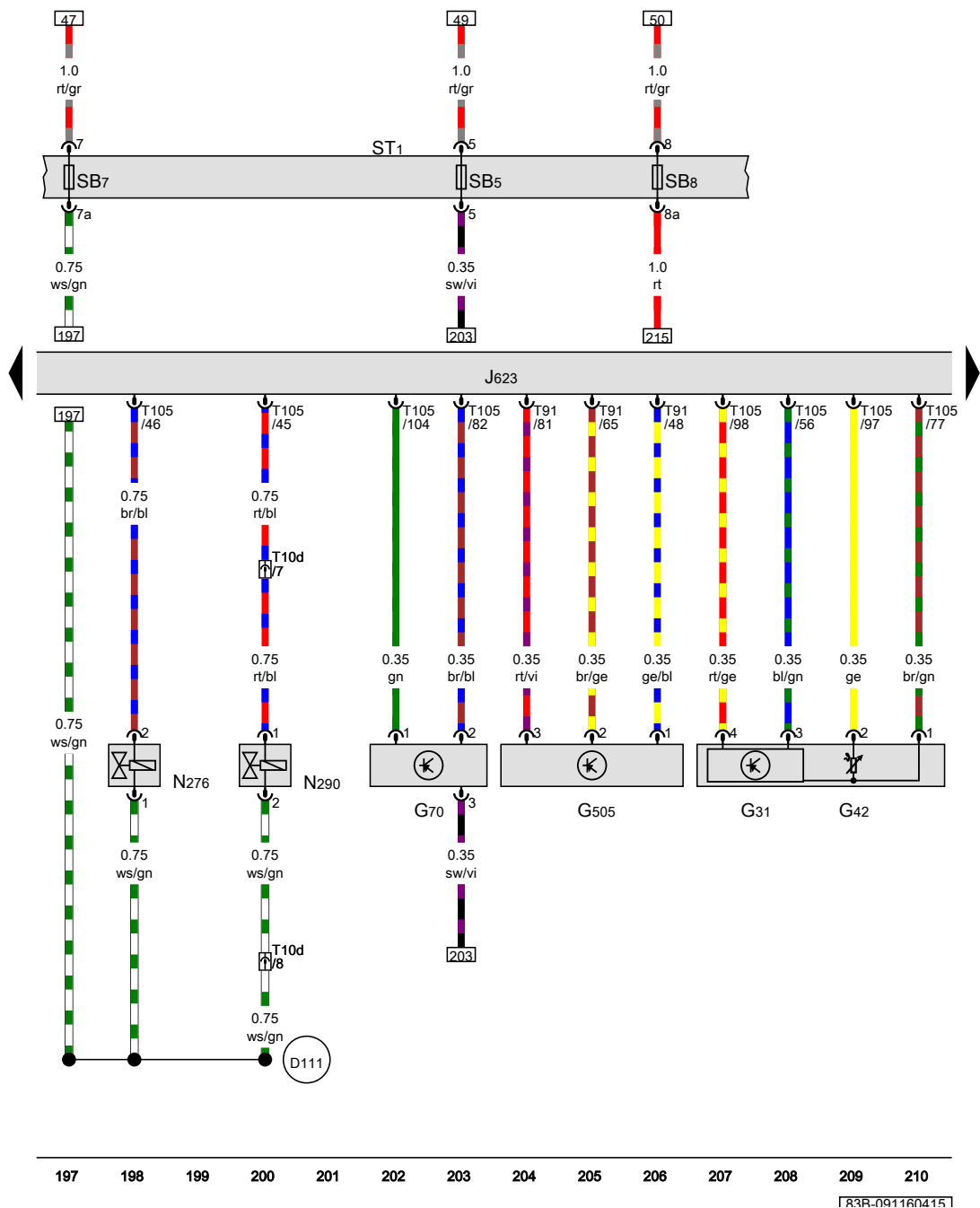
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- sw = black
- ro = red
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- br = brown
- gn = green
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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

Fuel pressure sensor, Turbocharger control module 1

- G212 EGR potentiometer
- G247 Fuel pressure sensor
- J623 Engine control module
- J724 Turbocharger control module 1
- T10d 10-pin connector, black
- T91 91-pin connector
- T105 105-pin connector
- V338 EGR motor

- 220 Sensor ground connection (in engine wiring harness)
- D107 Connection 5 (in engine compartment wiring harness)





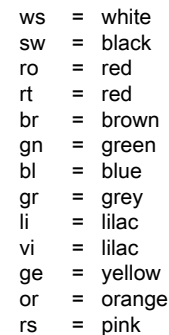
# Charge air pressure sensor, Intake air temperature sensor, Mass airflow sensor, Differential pressure sensor

- G31 Charge air pressure sensor
- G42 Intake air temperature sensor
- G70 Mass airflow sensor
- G505 Differential pressure sensor
- J623 Engine control module
- N276 Fuel pressure regulator valve
- N290 Fuel metering valve
- ST1 Fuse panel 1
- SB5 Fuse 5 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T10d 10-pin connector, black
- T91 91-pin connector
- T105 105-pin connector

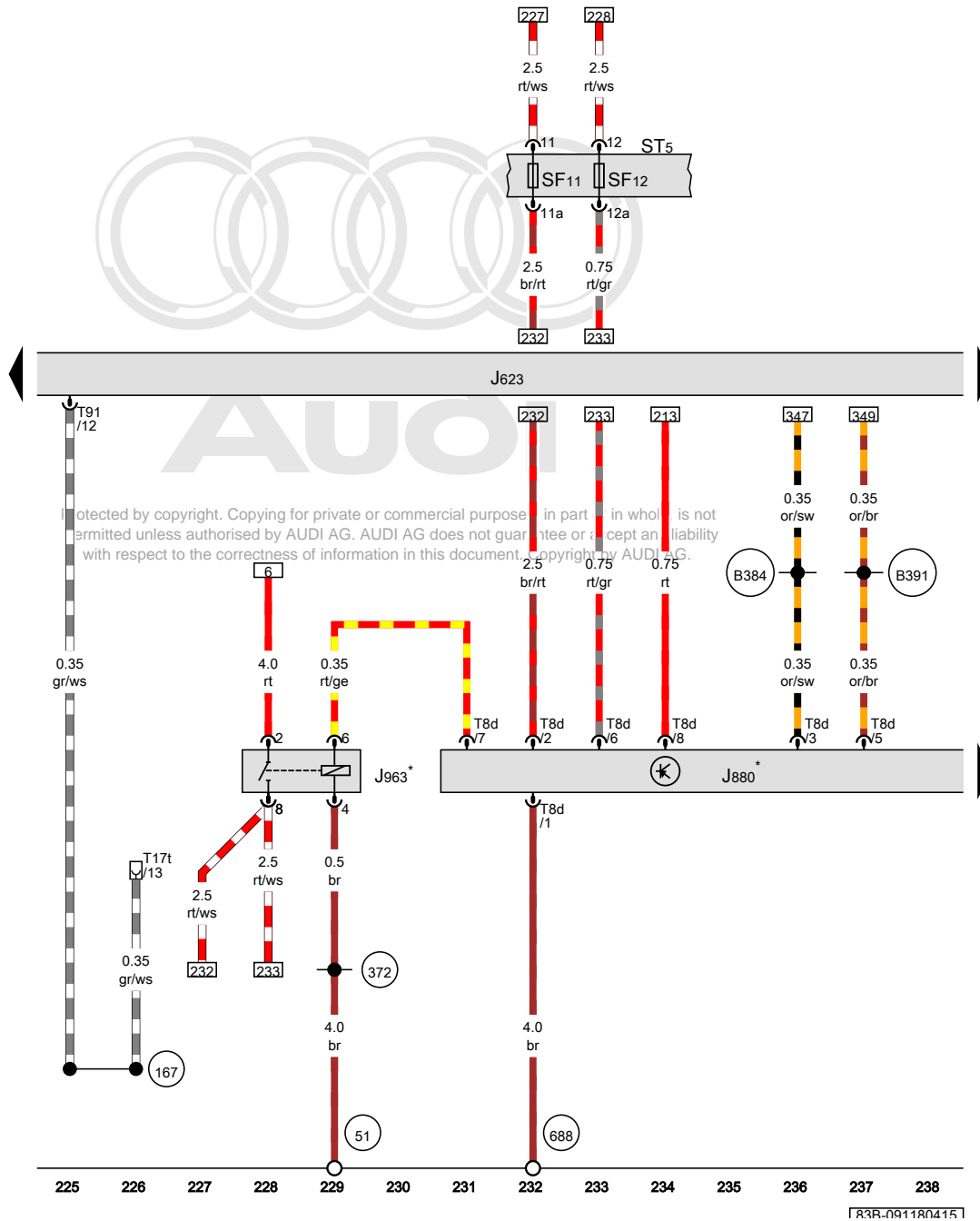
D111 Connection 9 (in engine compartment wiring harness)



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\* Only for vehicles with reducing agent metering system  
\*2 USA only



# Reducing agent metering system control module, Reducing agent metering system relay

- J623 Engine control module
- J880 Reducing agent metering system control module
- J963 Reducing agent metering system relay
- ST5 Fuse panel 5
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T8d 8-pin connector
- T17t 17-pin connector, brown
- T91 91-pin connector

- 51 Ground connection in luggage compartment, right
- 167 Ground connection 4 (in engine compartment wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B384 Powertrain CAN bus high connection 2 (in main wiring harness)
- B391 Powertrain CAN bus low connection 2 (in main wiring harness)
- \* Only for vehicles with reducing agent metering system

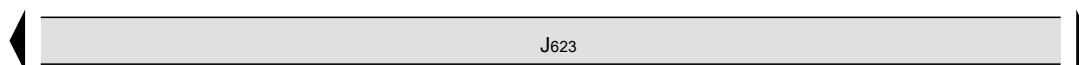
Reducing agent tank sensor, Reducing agent temperature sensor, Reducing agent metering system pressure sensor, Reducing agent metering system control module, Reducing agent tank heater (heating circuit 1), Reducing agent line heater (heating circuit 2)

- G684 Reducing agent tank sensor
- G685 Reducing agent temperature sensor
- G686 Reducing agent metering system pressure sensor
- J623 Engine control module
- J880 Reducing agent metering system control module
- T16s 16-pin connector
- T28a 28-pin connector
- Z102 Reducing agent tank heater (heating circuit 1)
- Z104 Reducing agent line heater (heating circuit 2)

H3 Connection 1 (in reducing agent tank wiring harness)

H4 Connection 2 (in reducing agent tank wiring harness)

\* Only for vehicles with reducing agent metering system

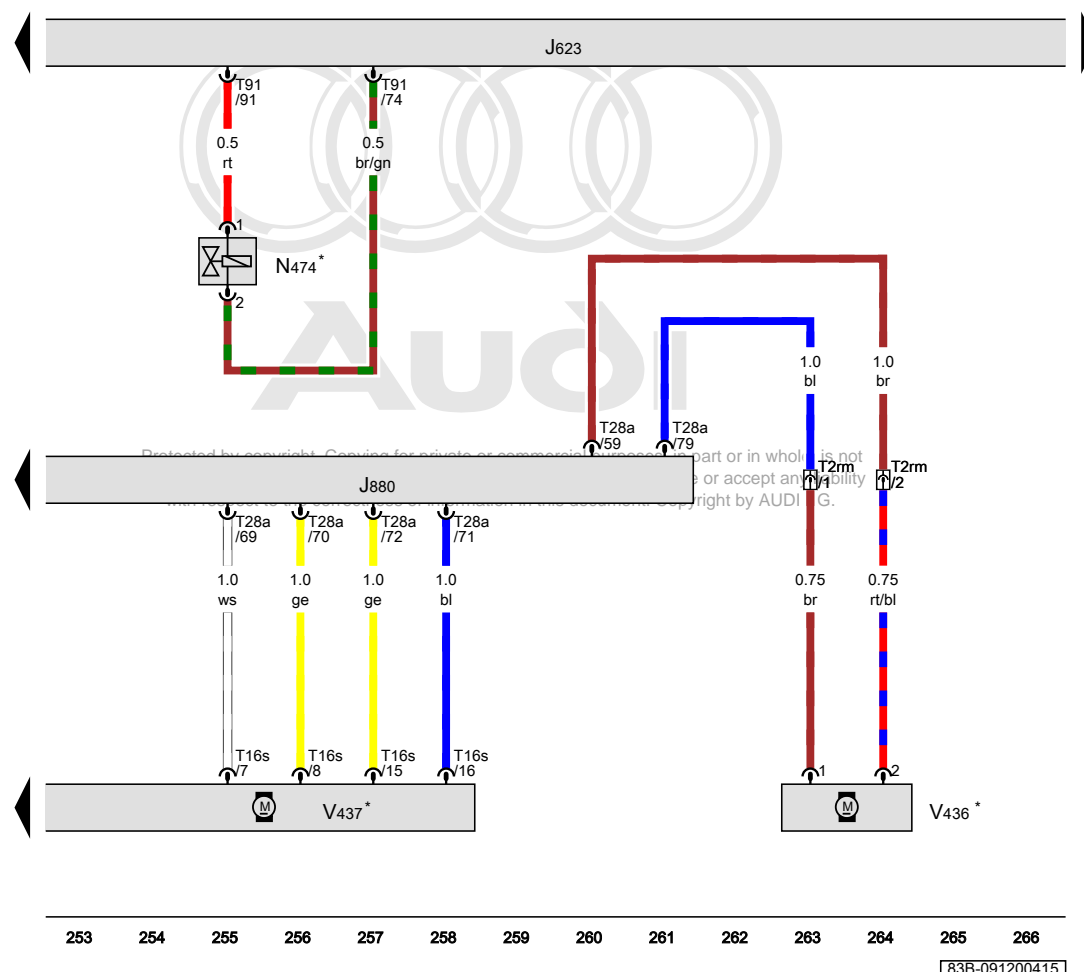


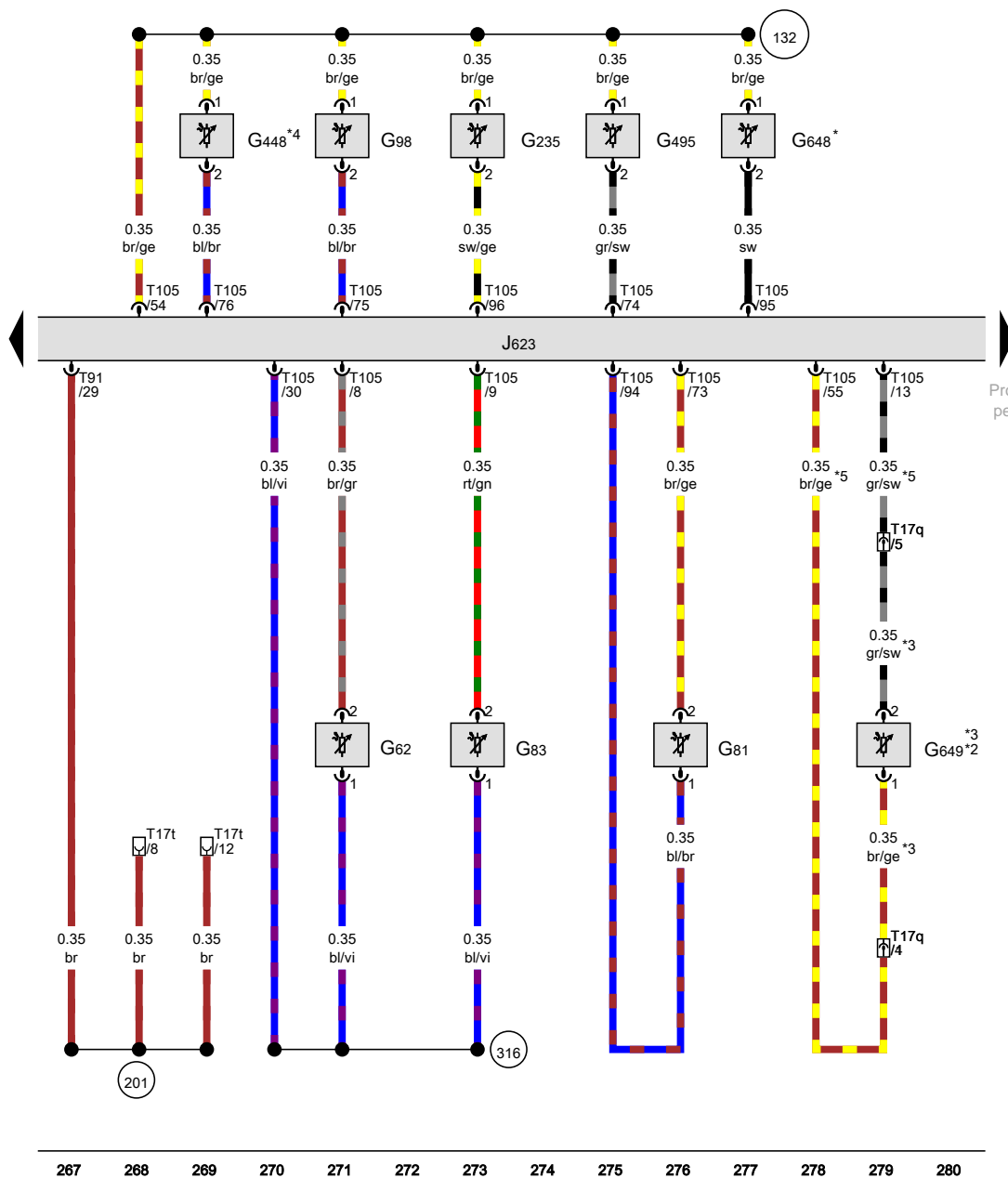
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Reducing agent metering system control module, Reducing agent injector, Reducing agent pump

- J623 Engine control module
- J880 Reducing agent metering system control module
- N474 Reducing agent injector
- T2rm Double connector, black
- T16s 16-pin connector
- T28a 28-pin connector
- T91 91-pin connector
- V436 Reducing agent transfer pump
- V437 Reducing agent pump
- \* Only for vehicles with reducing agent metering system





Engine coolant temperature sensor, Fuel temperature sensor, Engine coolant temperature sensor on radiator outlet

- G62 Engine coolant temperature sensor
- G81 Fuel temperature sensor
- G83 Engine coolant temperature sensor on radiator outlet
- G98 EGR temperature sensor
- G235 Exhaust gas temperature sensor 1
- G448 Exhaust gas temperature sensor 2
- G495 Exhaust gas temperature sensor 3
- G648 Exhaust gas temperature sensor 4
- G649 Exhaust gas temperature sensor 4 bank 2
- J623 Engine control module
- T17q 17-pin connector, red
- T17t 17-pin connector, brown
- T91 91-pin connector
- T105 105-pin connector

132 Ground connection 3 (in engine compartment wiring harness)

201 Ground connection 5 (in engine compartment wiring harness)

316 Sensor ground connection 2 (in engine wiring harness)

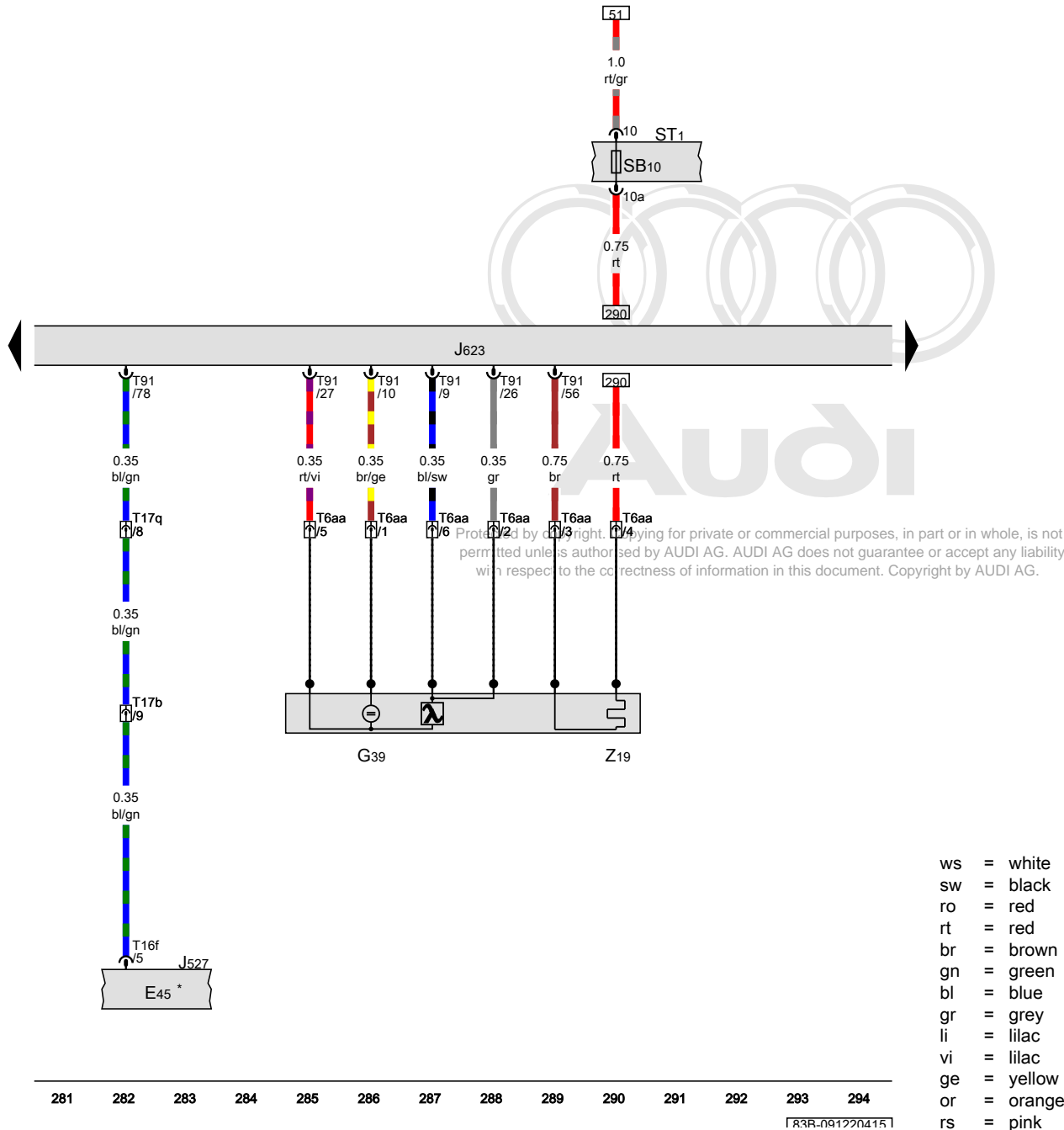
- \* Not with emissions standard Euro 4
- \*2 Only with emissions standard Euro 6
- \*3 Through October 2013
- \*4 Depending on equipment
- \*5 The color of the wires depends on vehicle equipment

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183B-0912104151

# Heated oxygen sensor, Oxygen sensor heater

- E45 Cruise control switch
- G39 Heated oxygen sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T6aa 6-pin connector, brown
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T91 91-pin connector
- Z19 Oxygen sensor heater
- \* Only for vehicles with cruise control

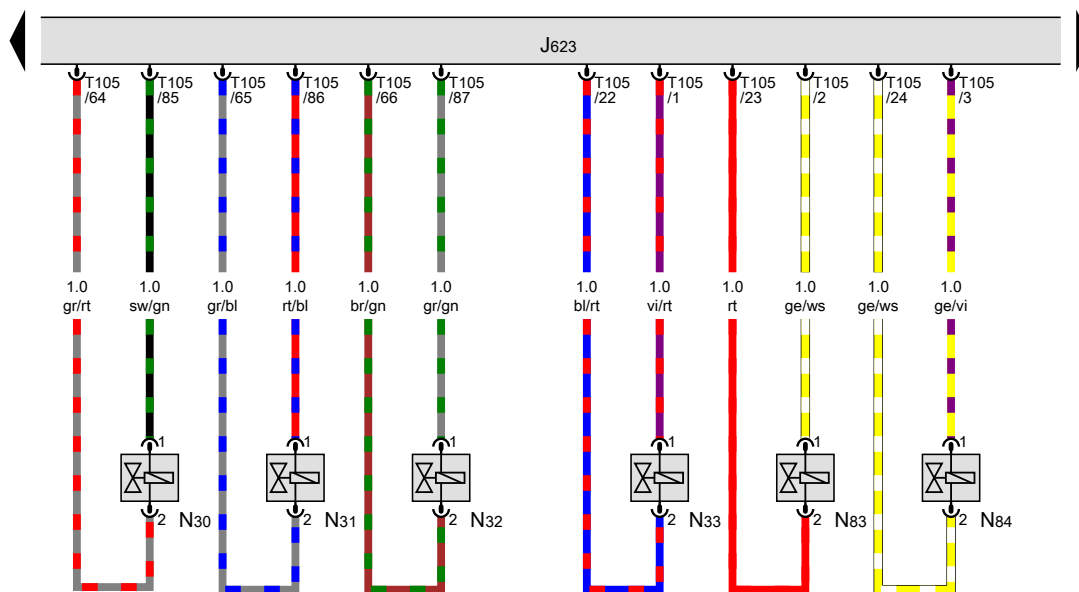


Cylinder 1 fuel injector, Cylinder 6 fuel injector

- 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
- N84 Cylinder 6 fuel injector
- T105 105-pin connector



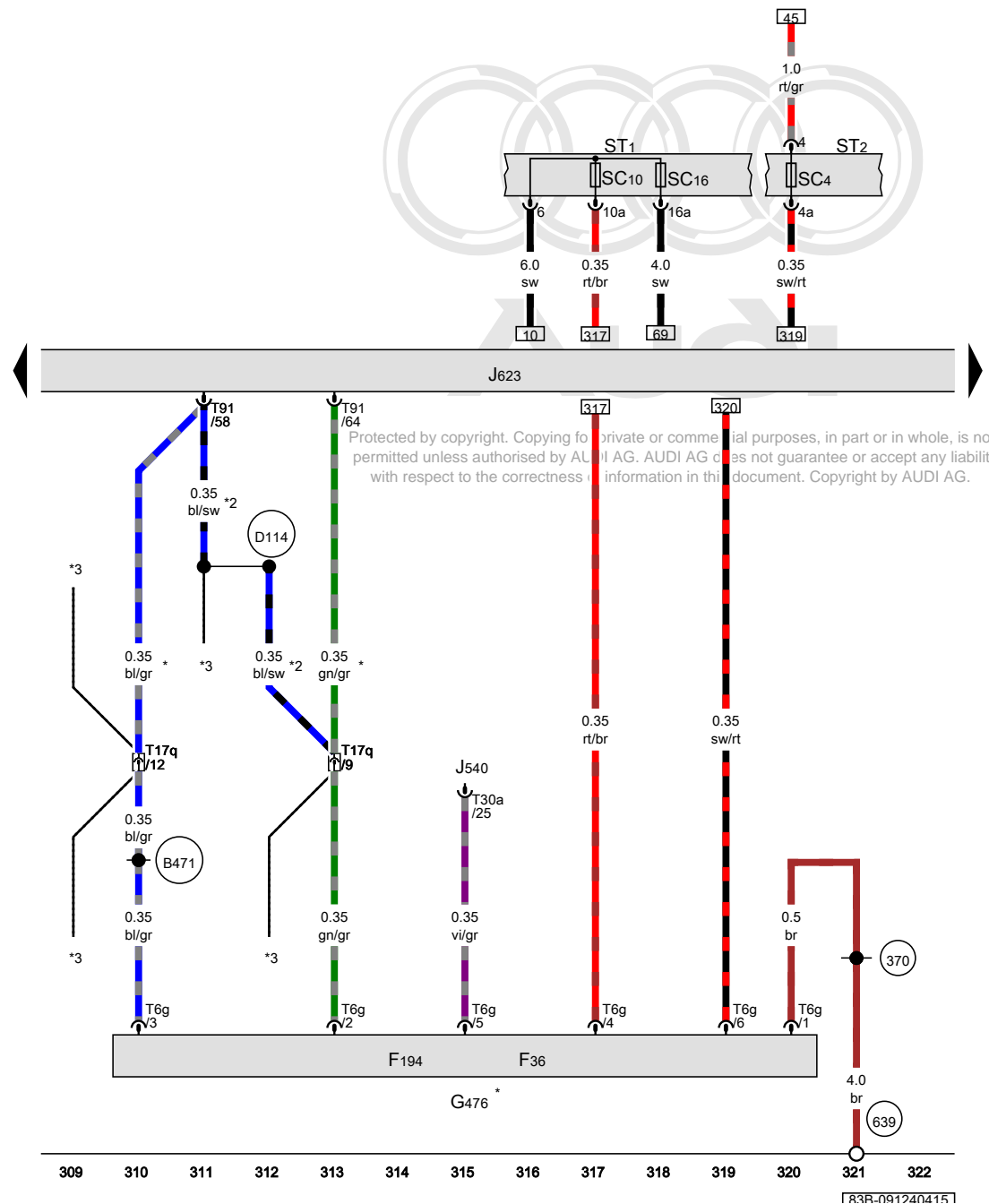
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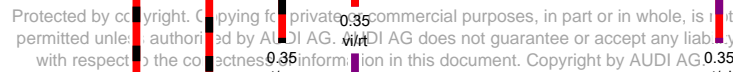
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### Clutch position sensor

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC4 Fuse 4 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T6g 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T91 91-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- \* Only for vehicles with a manual transmission
- \*2 Only for vehicles with automatic transmission
- \*3 Refer to applicable wiring diagram for automatic transmission



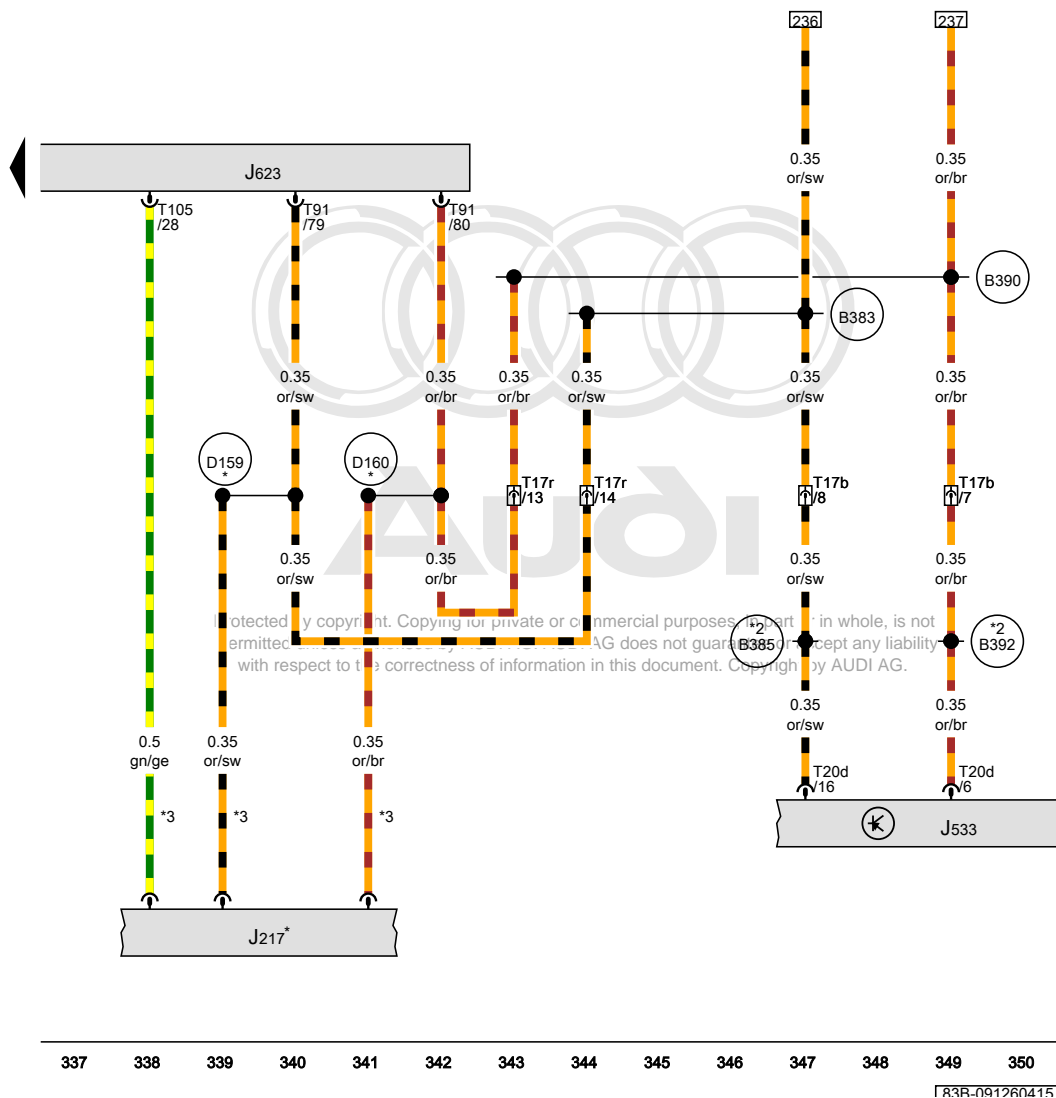
F	Brake lamp switch
J623	Engine control module
ST2	Fuse panel 2
SC2	Fuse 2 (on fuse panel C)
T4k	4-pin connector
T17e	17-pin connector, red
T17q	17-pin connector, red
T17r	17-pin connector, white
T91	91-pin connector
<b>B335</b>	Connection 54 (in main wiring harness) 1
*	Brake lamp sensor system coil

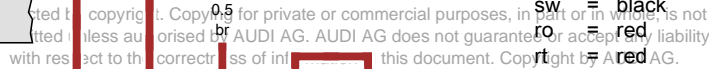
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vi = lilac  
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# Data bus on board diagnostic interface

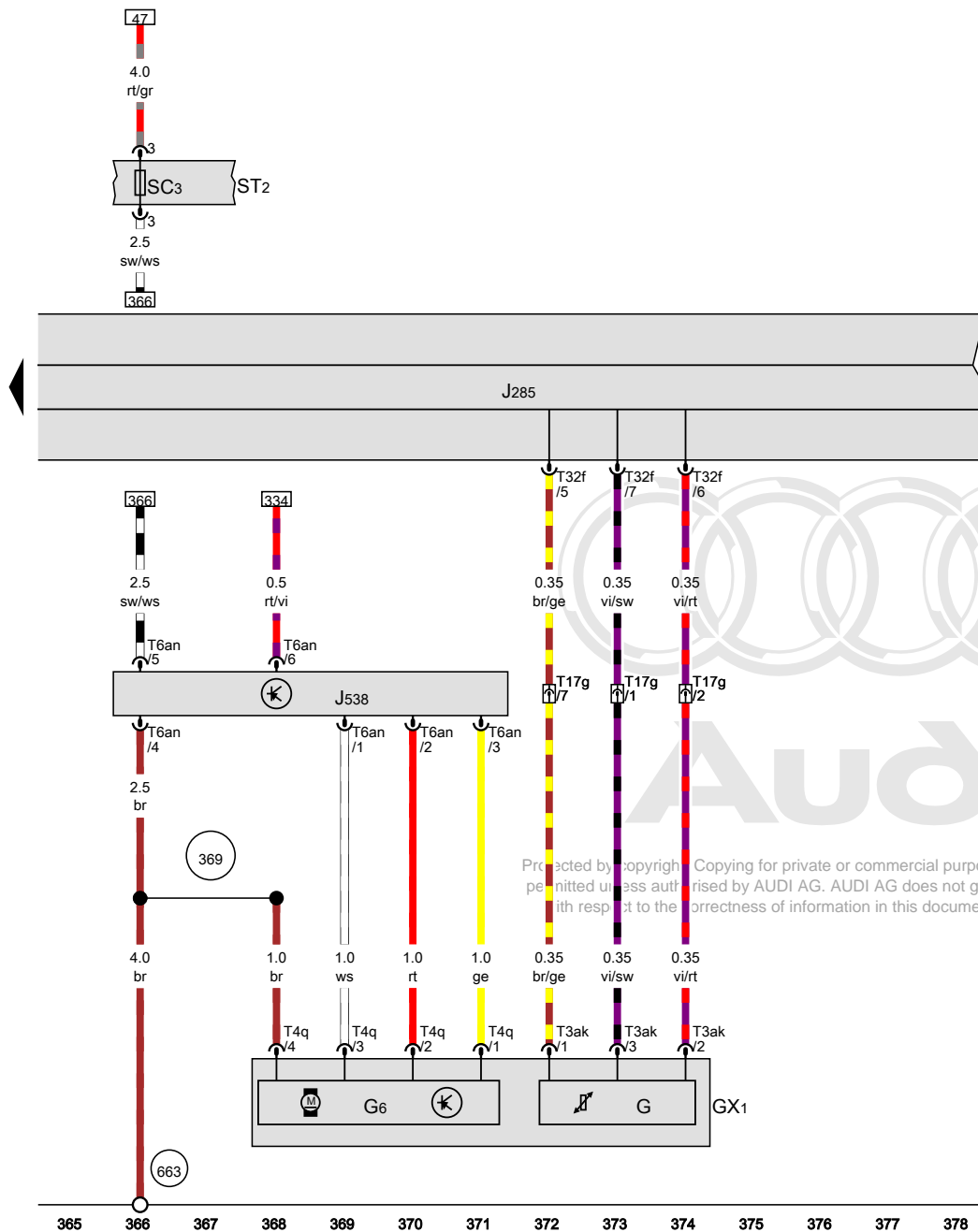
- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- T17b 17-pin connector, blue
- T17r 17-pin connector, white
- T20d 20-pin connector
- T91 91-pin connector
- T105 105-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)
- \* Only for vehicles with automatic transmission
- \*2 Omitted as a running change
- \*3 Refer to applicable wiring diagram for automatic transmission









# Fuel delivery unit, Instrument cluster control module, Fuel pump control module

G	Fuel level sensor
GX1	Fuel delivery unit
G6	Transfer fuel pump
J285	Instrument cluster control module
J538	Fuel pump control module
ST2	Fuse panel 2
SC3	Fuse 3 (on fuse panel C)
T3ak	3-pin connector
T4q	4-pin connector
T6an	6-pin connector
T17g	17-pin connector, black
T32f	32-pin connector

369 Ground connection 4 (in main wiring harness)

663 Ground connection in right rear side panel

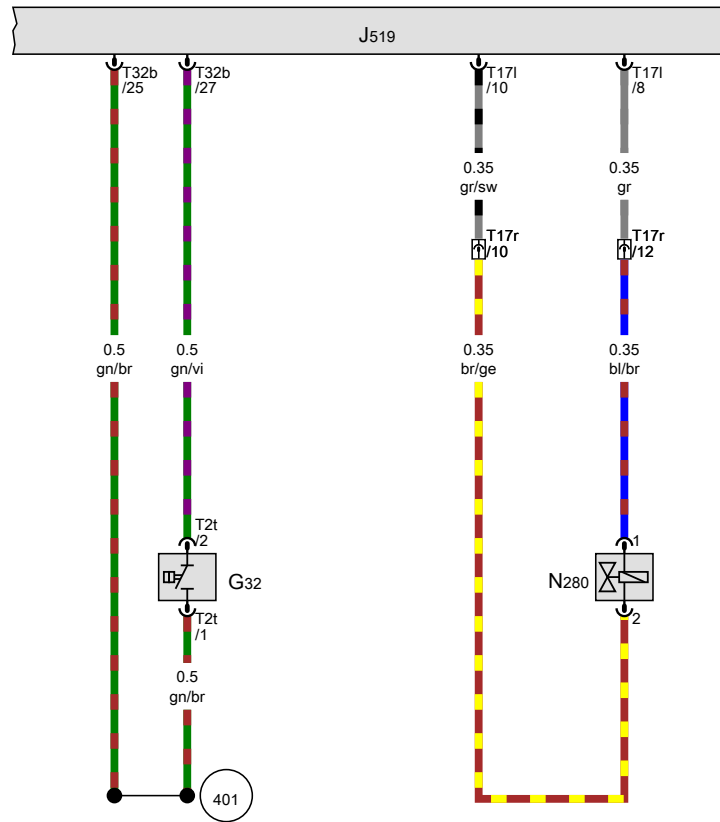
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vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

183B-0912804151

Engine coolant level sensor, Vehicle electrical control module system

- G32 Engine coolant level sensor
- J519 Vehicle electrical control module system
- N280 A/C compressor regulator valve
- T2t Double connector
- T17l 17-pin connector
- T17r 17-pin connector, white
- T32b 32-pin connector

401 Sensor ground connection (in interior wiring harness)



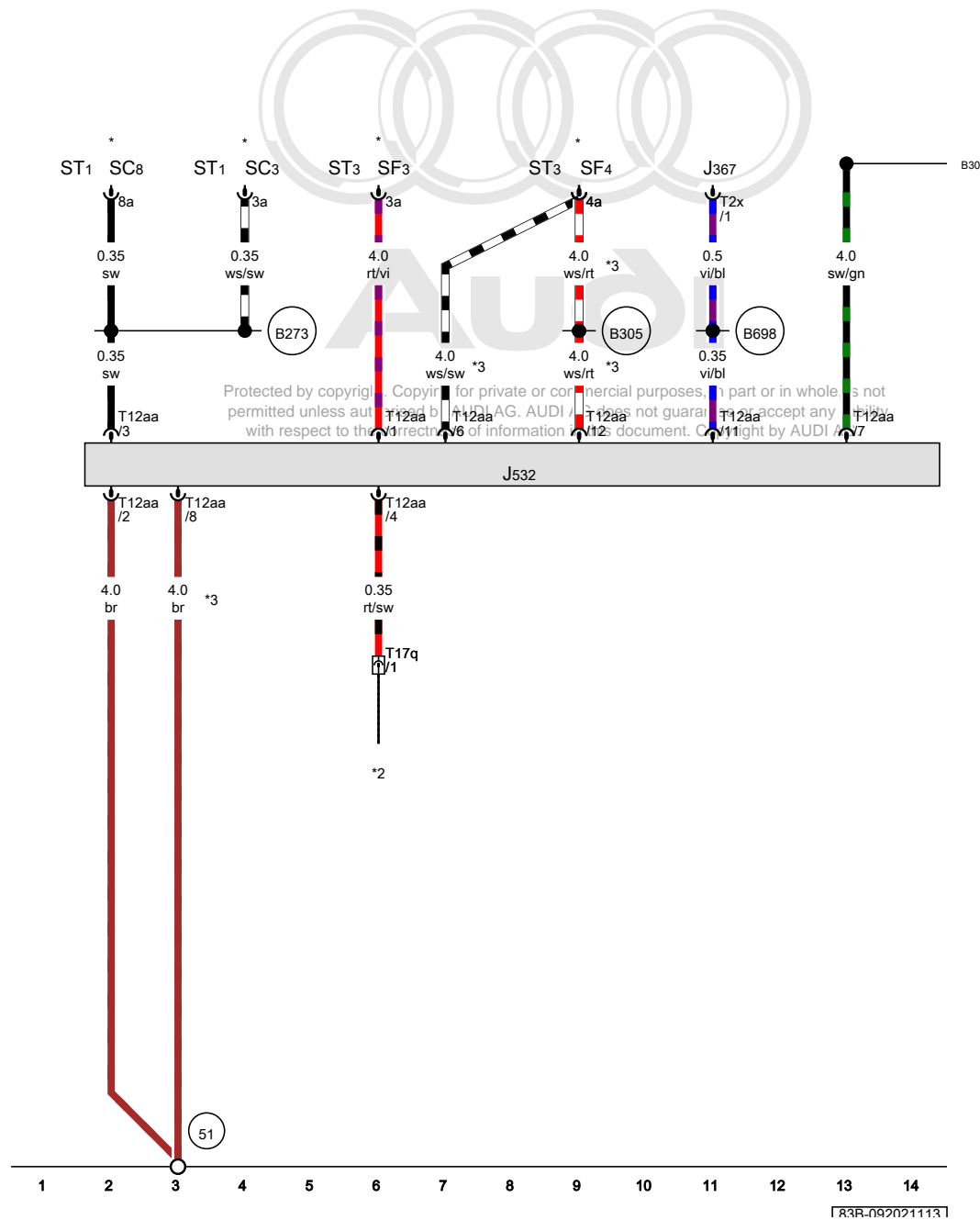
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**Start/Stop system**  
from May 2012



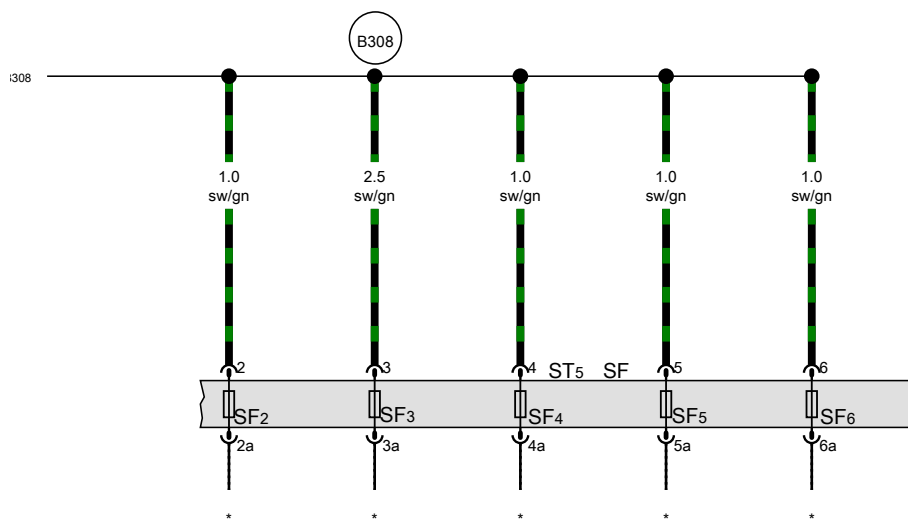
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### Voltage stabilizer

- J367 Battery monitoring control module
- J532 Voltage stabilizer
- ST1 Fuse panel 1
- ST3 Fuse panel 3
- SF3 Fuse 3 (on fuse panel F)
- SC3 Fuse 3 (on fuse panel C)
- SF4 Fuse 4 (on fuse panel F)
- SC8 Fuse 8 (on fuse panel C)
- T2x Double connector
- T12aa 12-pin connector
- T17q 17-pin connector

- 51 Ground connection in luggage compartment, right
- B273 Positive connection (15) (in main wiring harness)
- B305 Positive connection 9 (30) (in main wiring harness)
- B308 Positive connection 12 (30) (in main wiring harness)
- B698 LIN bus connection 3 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable engine wiring diagram
- \*3 Only for vehicles with amplified speakers



# Fuse panel F, Fuse panel 5

SF Fuse panel F  
 SF2 Fuse 2 (on fuse panel F)  
 SF3 Fuse 3 (on fuse panel F)  
 SF4 Fuse 4 (on fuse panel F)  
 ST5 Fuse panel 5  
 SF5 Fuse 5 (on fuse panel F)  
 SF6 Fuse 6 (on fuse panel F)

B308 Positive connection 12 (30) (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions

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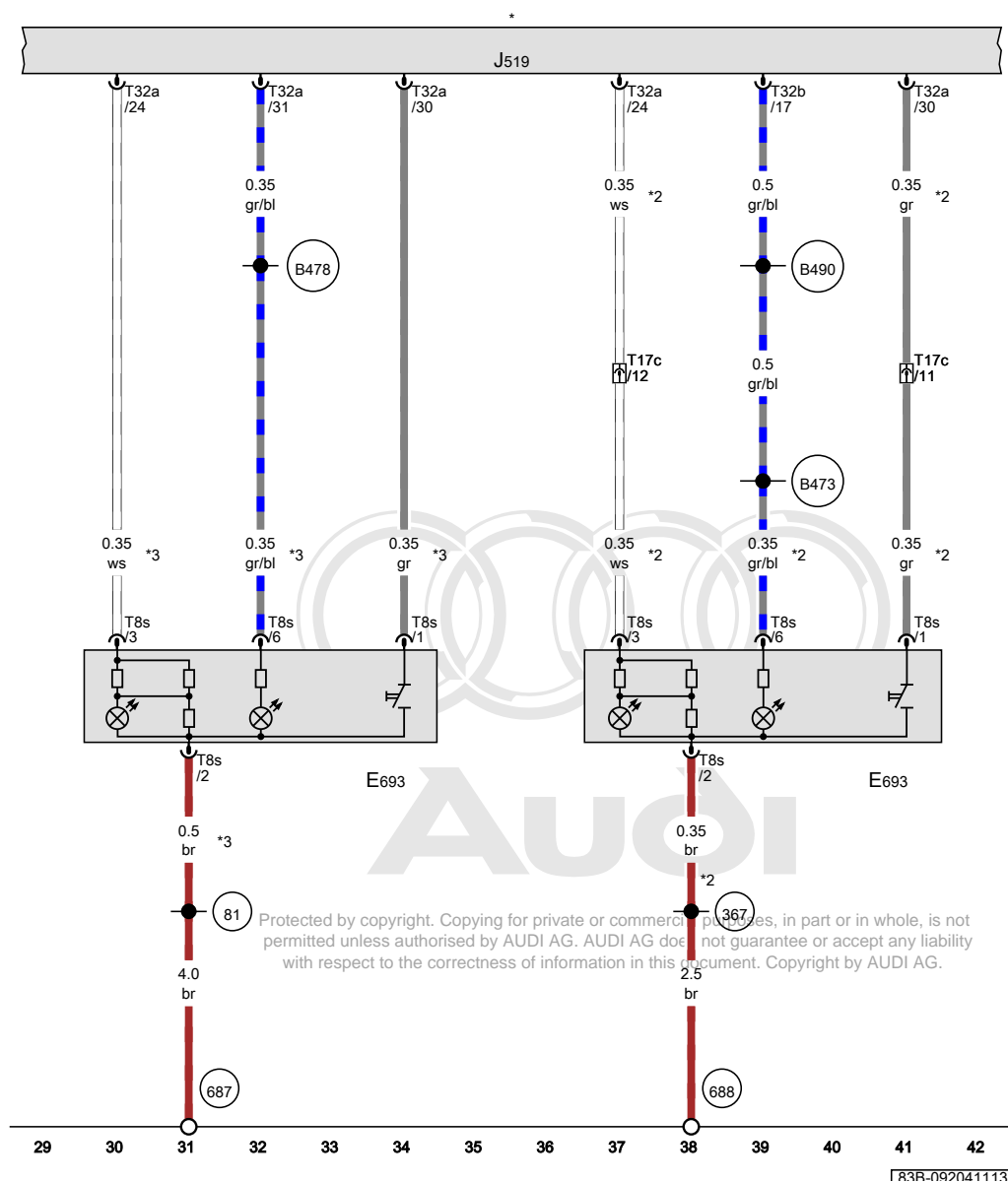
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 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

### Start/Stop mode button

- E693 Start/Stop mode button
- J519 Vehicle electrical system control module
- T8s 8-pin connector
- T17c 17-pin connector, black
- T32a 32-pin connector
- T32b 32-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B478 Connection 14 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles without a navigation system
- \*3 Only for vehicles with navigation system



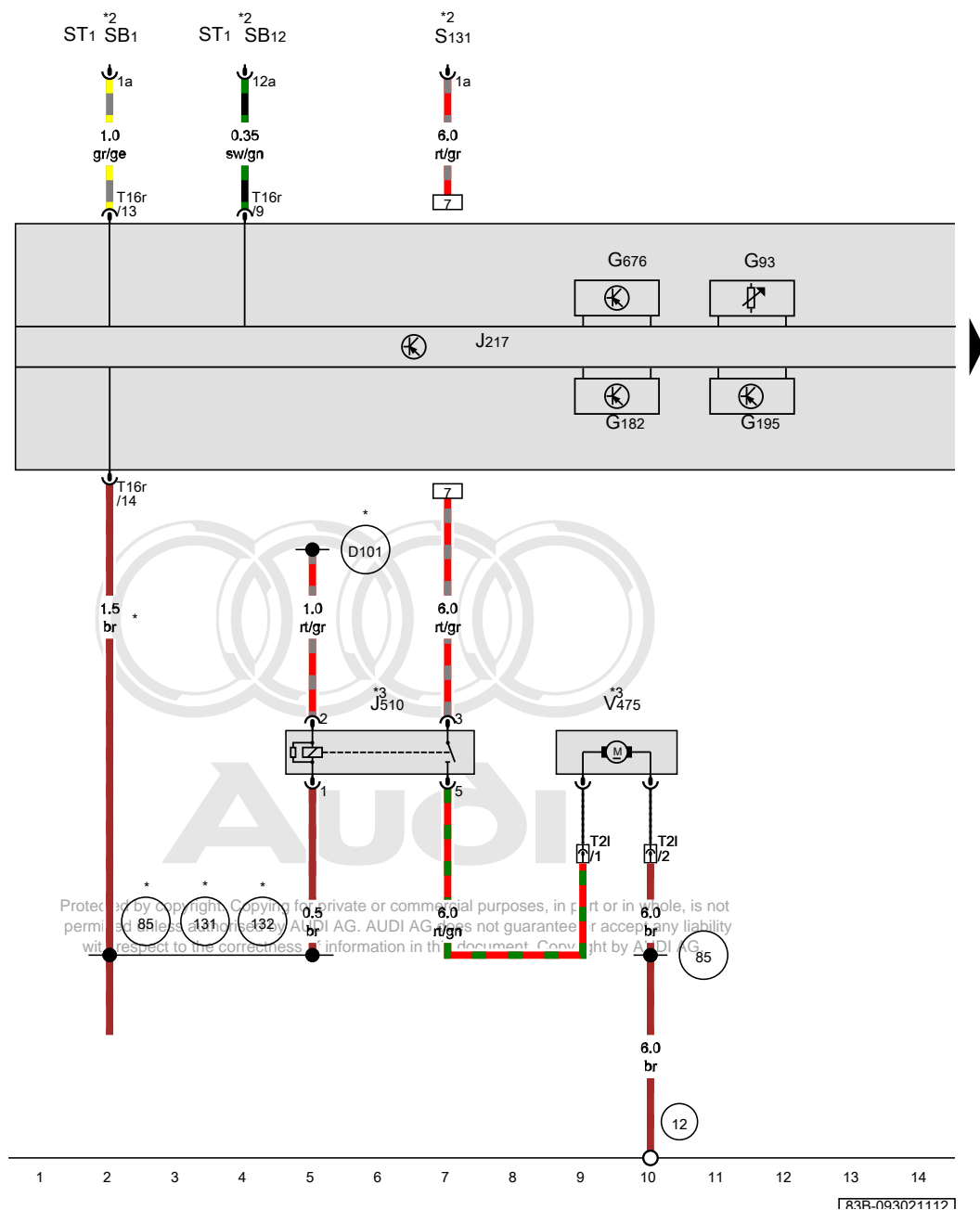
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**Automatic transmission - 8-speed 0BK/0BW**  
from May 2012



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Transmission fluid temperature sensor, Transmission input speed sensor, Transmission output speed sensor, Drive position sensor, Transmission control module



- G93 Transmission fluid temperature sensor
- G182 Transmission input speed sensor
- G195 Transmission output speed sensor
- G676 Drive position sensor
- J217 Transmission control module
- J510 Transmission hydraulic pump relay
- ST1 Fuse panel 1
- SB1 Fuse 1 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- S131 Safety fuse 1
- T2I Double connector, on the transmission
- T16r 16-pin connector
- V475 Transmission fluid auxiliary hydraulic pump 1

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 131 Ground connection 2 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)

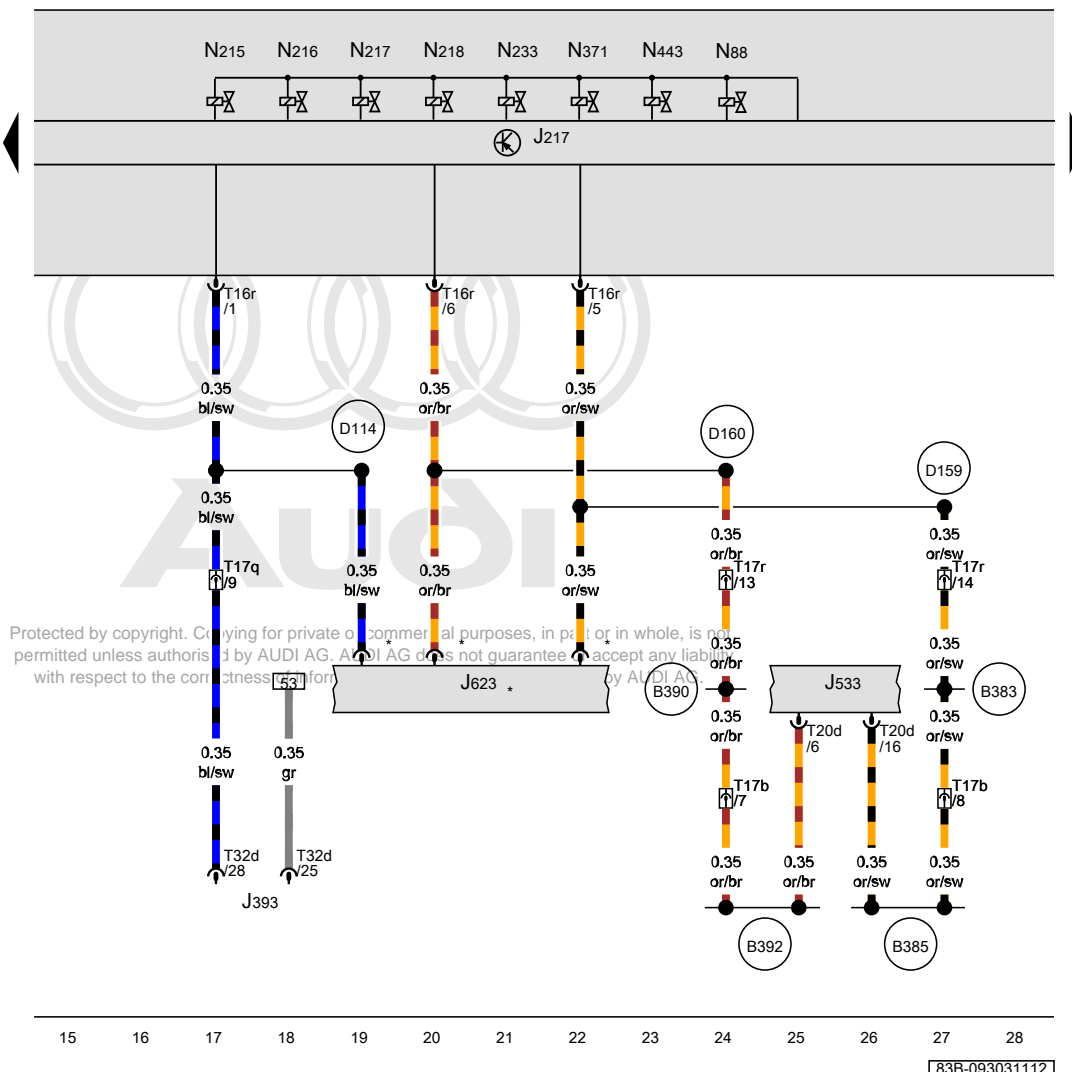
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 only for vehicles with hybrid drive

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- br = brown
- gn = green
- bl = blue
- gr = grey
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Transmission control module, Data bus on board diagnostic interface, Solenoid valve 1, Automatic transmission pressure regulating valve 1

- J217 Transmission control module
- J393 Comfort system central control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- N88 Solenoid valve 1
- 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
- N443 Automatic transmission pressure regulating valve 7
- T16r 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20d 20-pin connector
- T32d 32-pin connector



- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram

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Transmission control module, Vehicle electrical system control module, Selector lever sensor system control module

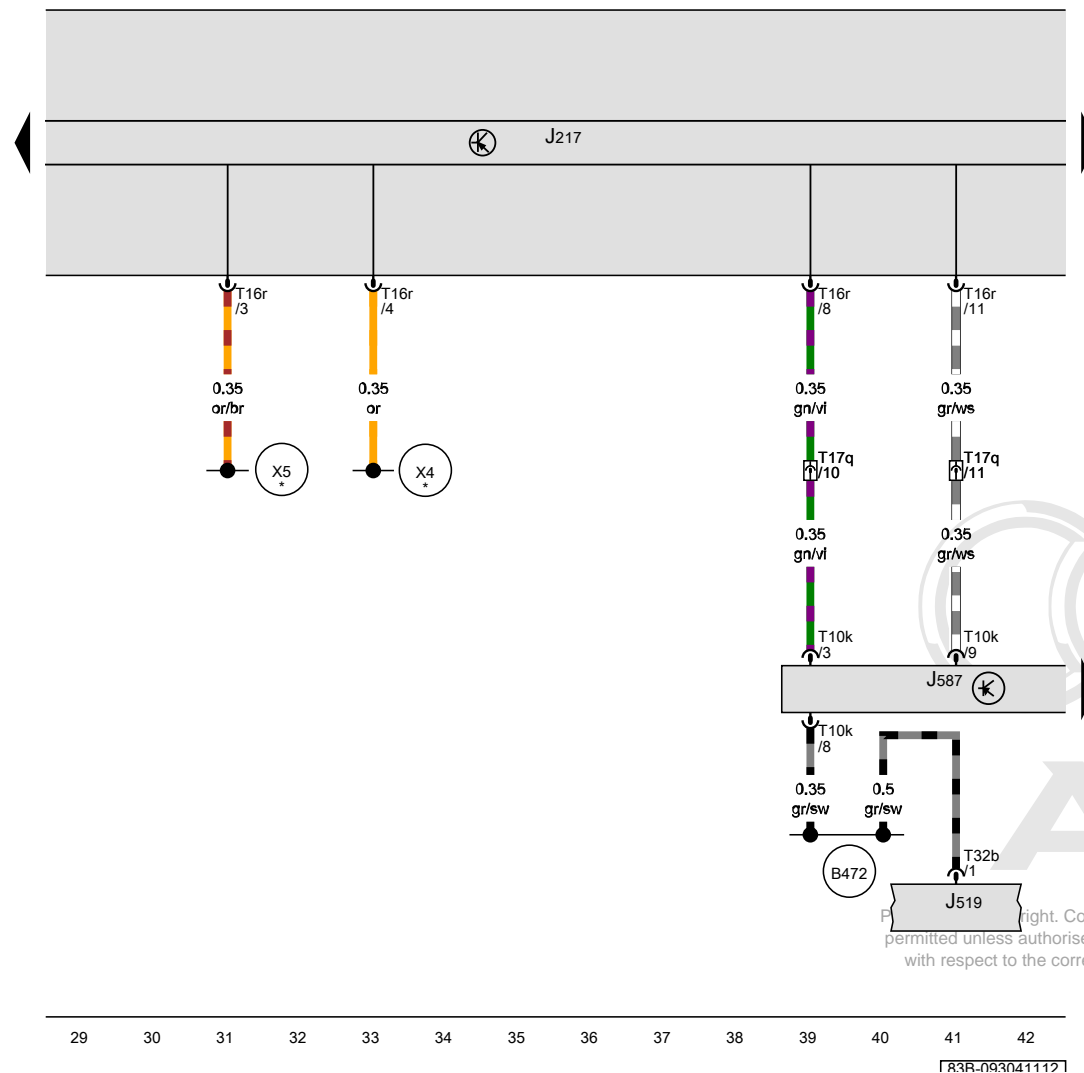
- J217 Transmission control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- T10k 10-pin connector
- T16r 16-pin connector
- T17q 17-pin connector, red
- T32b 32-pin connector

B472 Connection 8 (in main wiring harness)

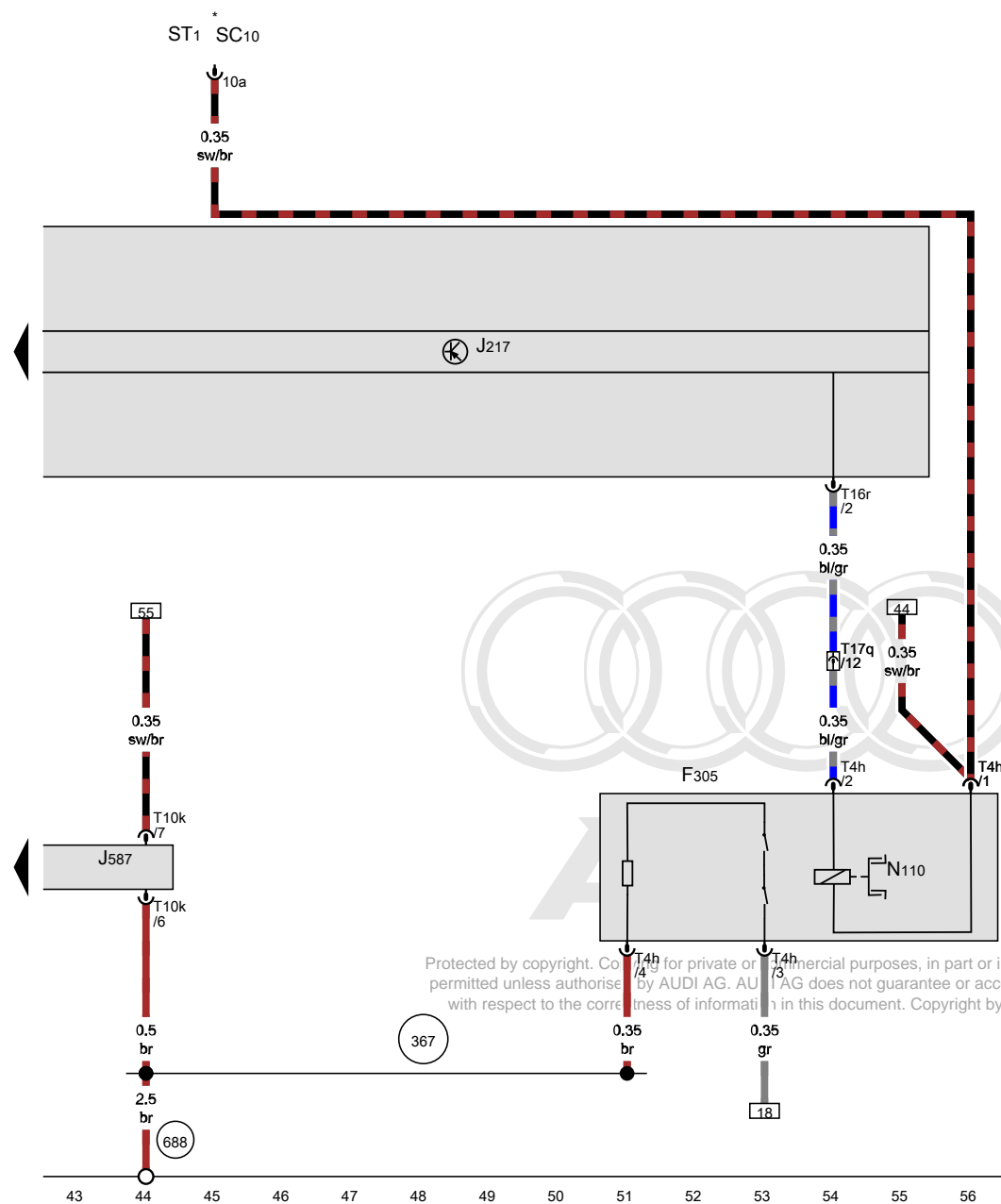
X4 CAN bus Hybrid high connection 1 (in engine compartment wiring harness)

X5 CAN bus Hybrid low connection 1 (in engine compartment wiring harness)

\* Refer to applicable engine wiring diagram



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Transmission park selector switch, Transmission control module, Selector lever sensor system control module, Shift lock solenoid

- F305 Transmission park selector switch
- J217 Transmission control module
- J587 Selector lever sensor system control module
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC10 Fuse 10 (on fuse panel C)
- T4h 4-pin connector
- T10k 10-pin connector
- T16r 16-pin connector
- T17q 17-pin connector, red

367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

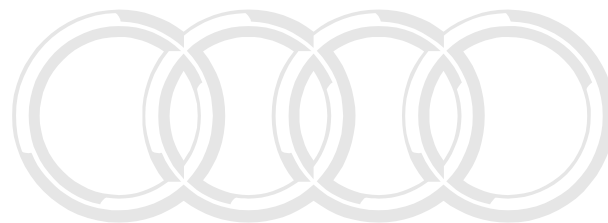
\* Refer to applicable wiring diagram for fuse positions

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183B-0930511121

**Tail lamps with LEDs**

from May 2012

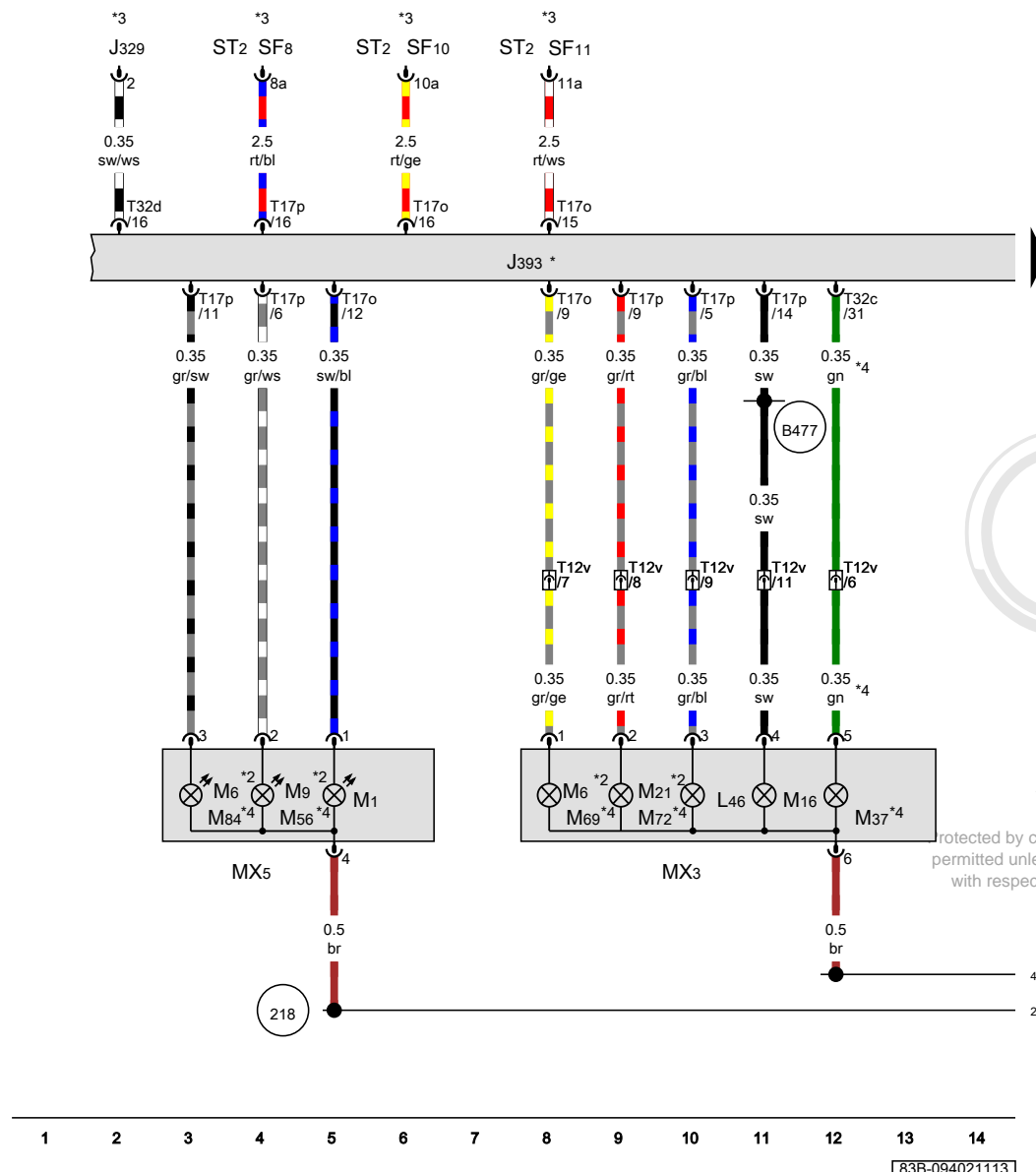
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Left tail lamp, Left tail lamp 2

- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- M1 Left position lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M9 Left brake lamp bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M56 Left brake lamp/turn signal bulb
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- M84 Left brake lamp/turn signal bulb 2
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector

- 218 Ground connection 1 (in rear lid wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B477 Connection 13 (in main wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles without US equipment
- \*3 Refer to applicable wiring diagram for fuse positions
- \*4 Only for vehicles with US equipment



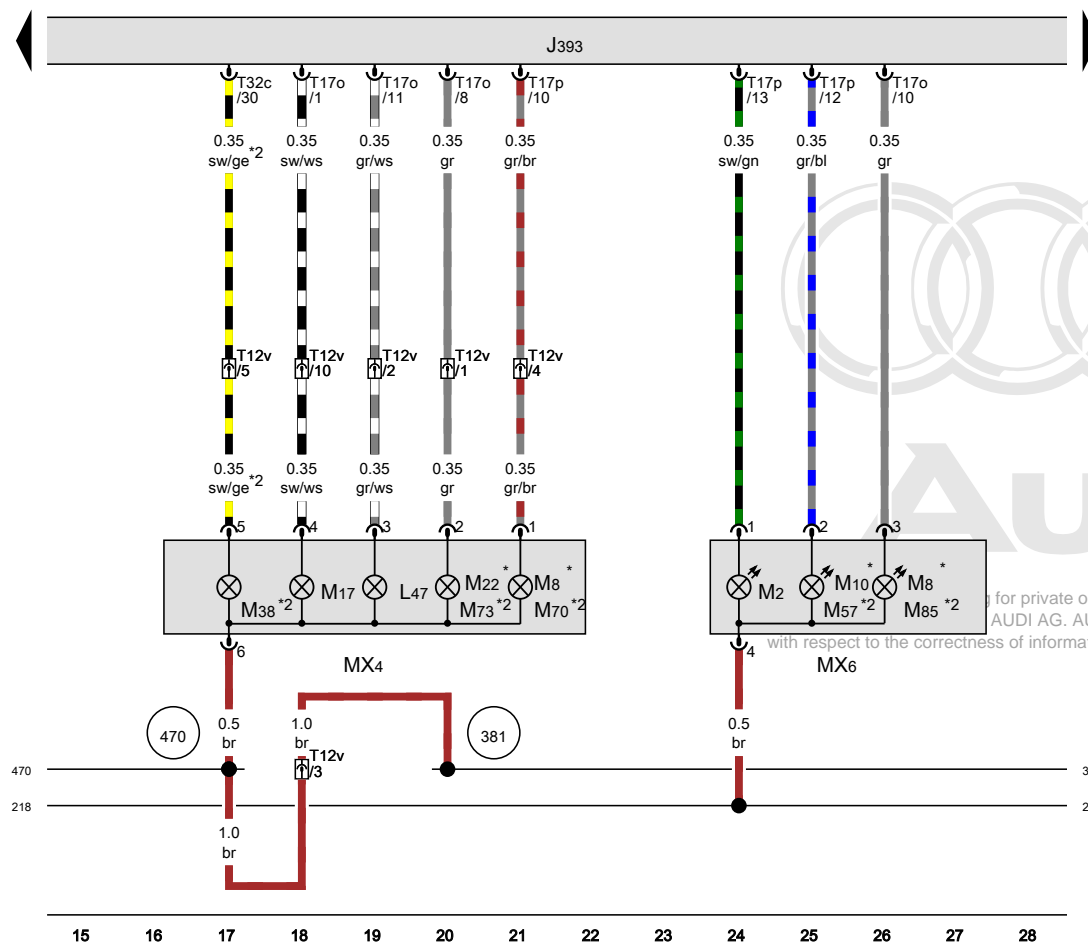
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# Right tail lamp, Right tail lamp 2

- J393 Comfort system central control module
- L47 Right rear fog lamp bulb
- M2 Right tail lamp bulb
- MX4 Right tail lamp
- MX6 Right tail lamp 2
- M8 Right rear turn signal bulb
- M10 Right brake lamp bulb
- M17 Right back-up lamp bulb
- M22 Right brake/tail lamp bulb
- M38 Right rear side marker lamp bulb
- M57 Right brake lamp/turn signal bulb
- M70 Right brake lamp/turn signal/tail lamp bulb
- M73 Right brake lamp/turn signal/tail lamp bulb 2
- M85 Right brake lamp/turn signal bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector

- 218 Ground connection 1 (in rear lid wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment



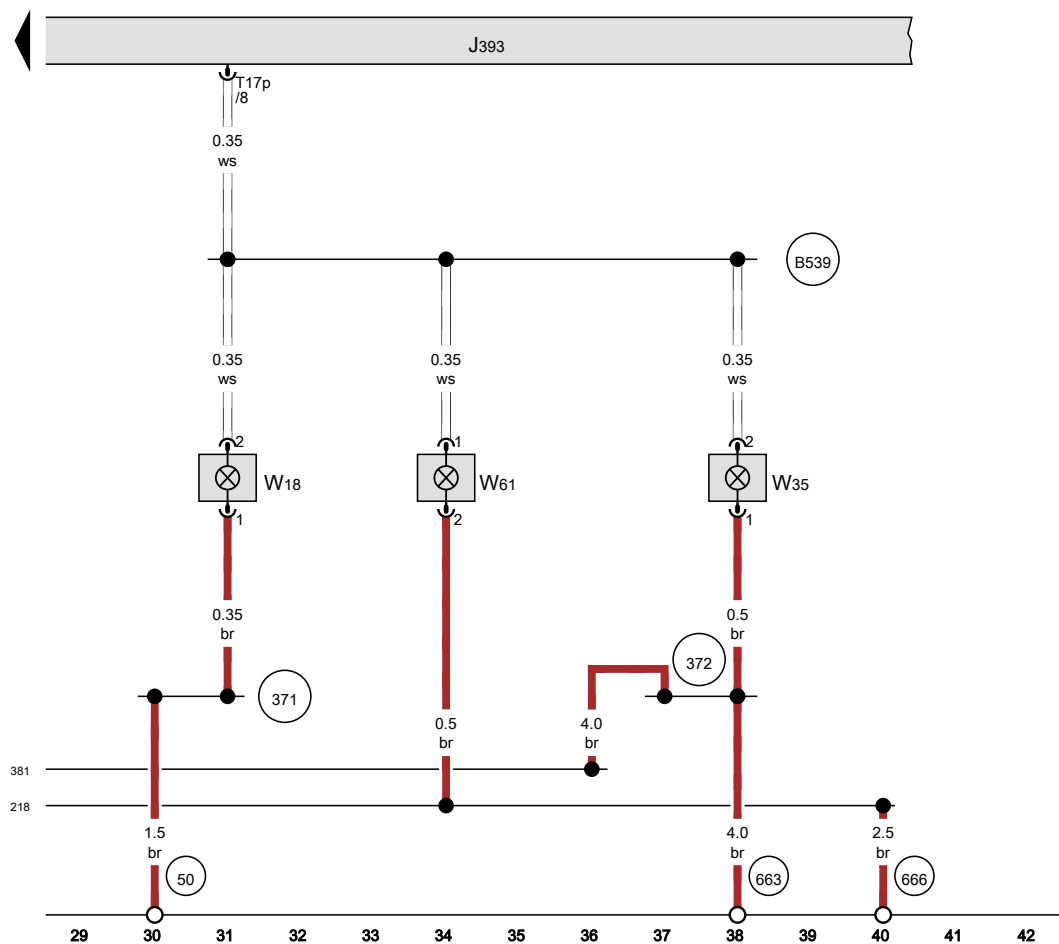
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183R-0940311131

Left luggage compartment lamp, Right luggage compartment lamp, Ambient lamp 1 in rear lid

- J393 Comfort system central control module
- T17p 17-pin connector
- W18 Left luggage compartment lamp
- W35 Right luggage compartment lamp
- W61 Ambient lamp 1 in rear lid

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 663 Ground connection in right rear side panel
- 666 Ground connection on roof, right rear
- B539 Connection 30 (in main wiring harness)



[83B-094041113]

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

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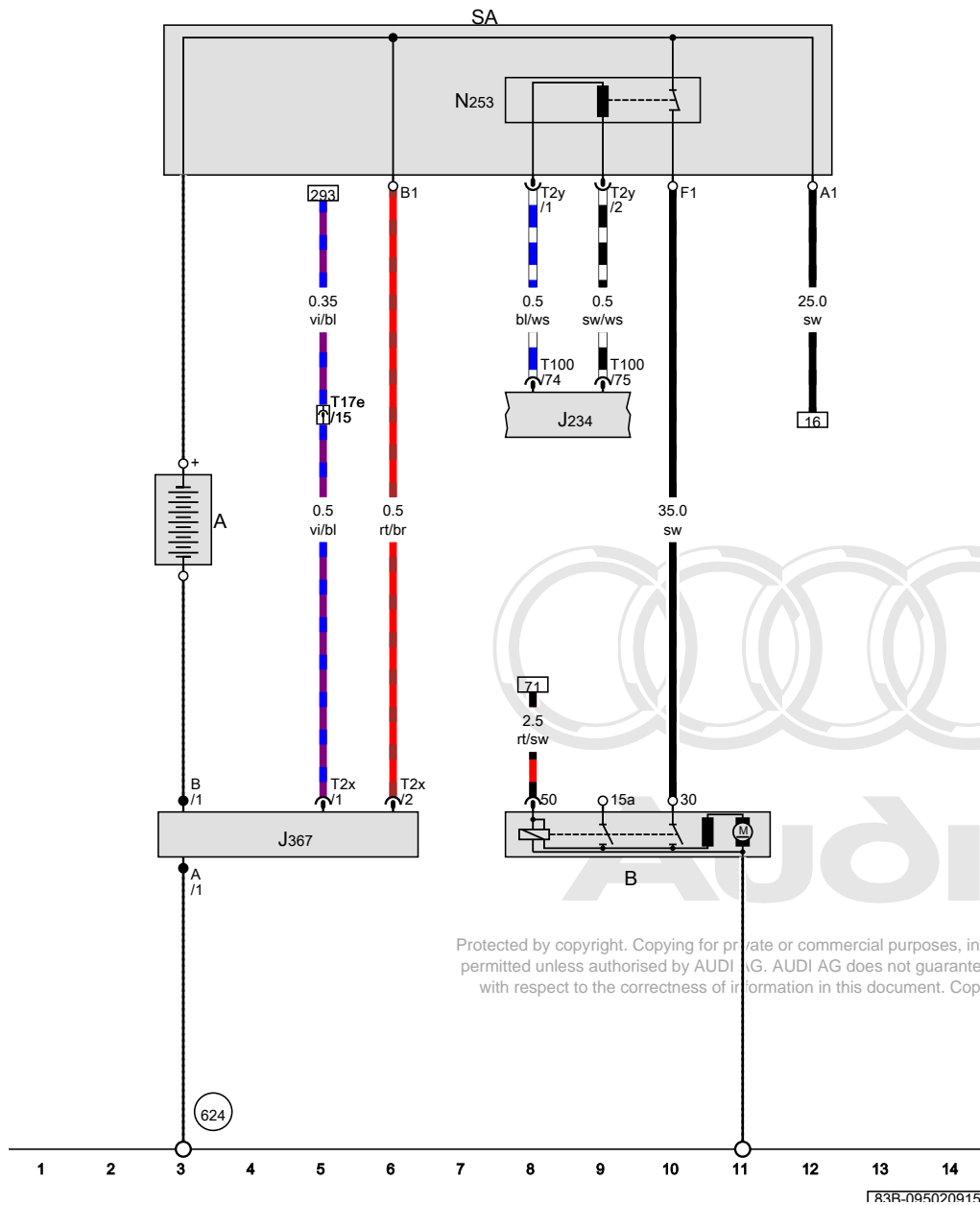
**2.0L gasoline engine , CHJA**  
from May 2012



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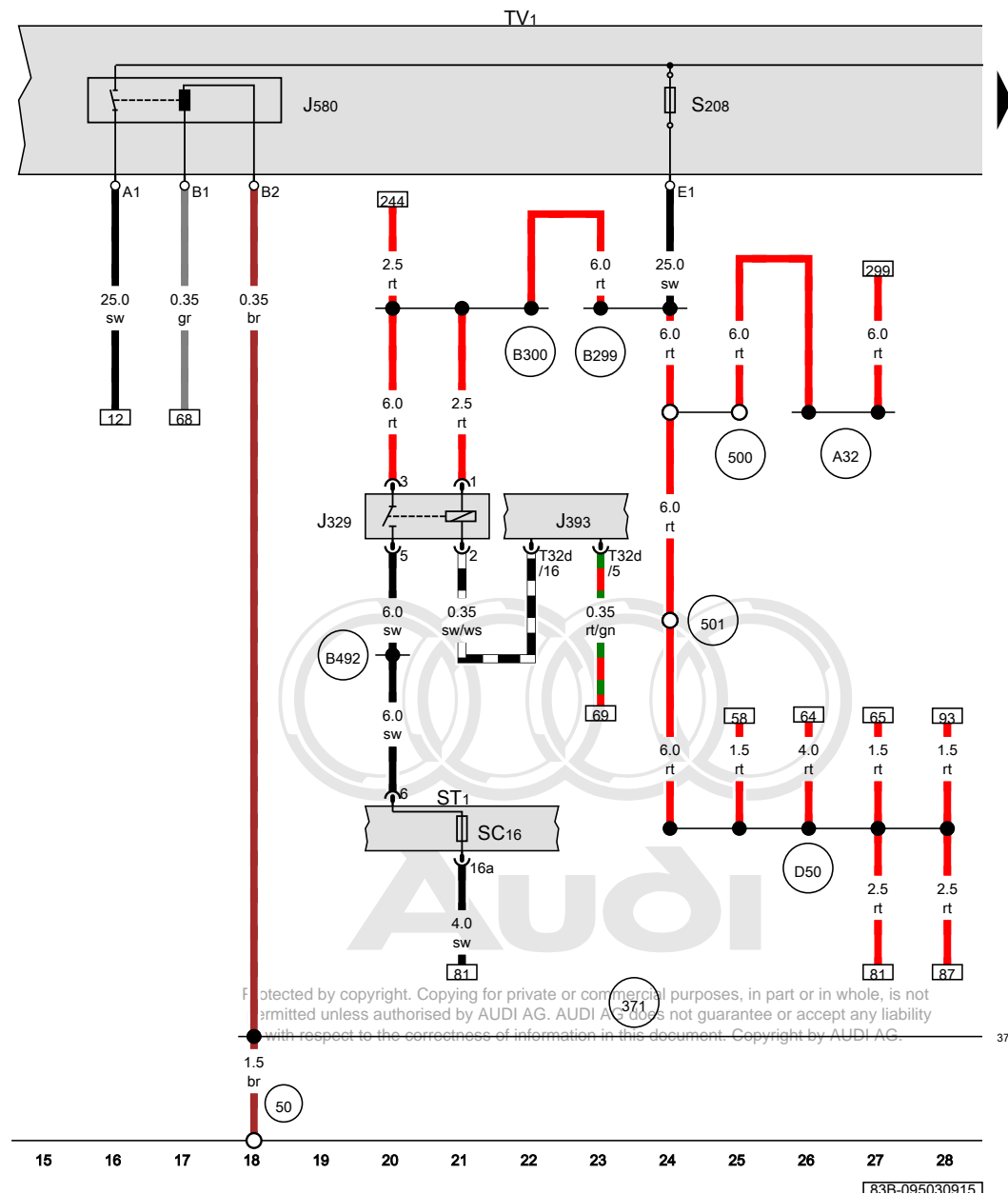


Battery, Starter, Battery interrupt igniter, Fuse panel A



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

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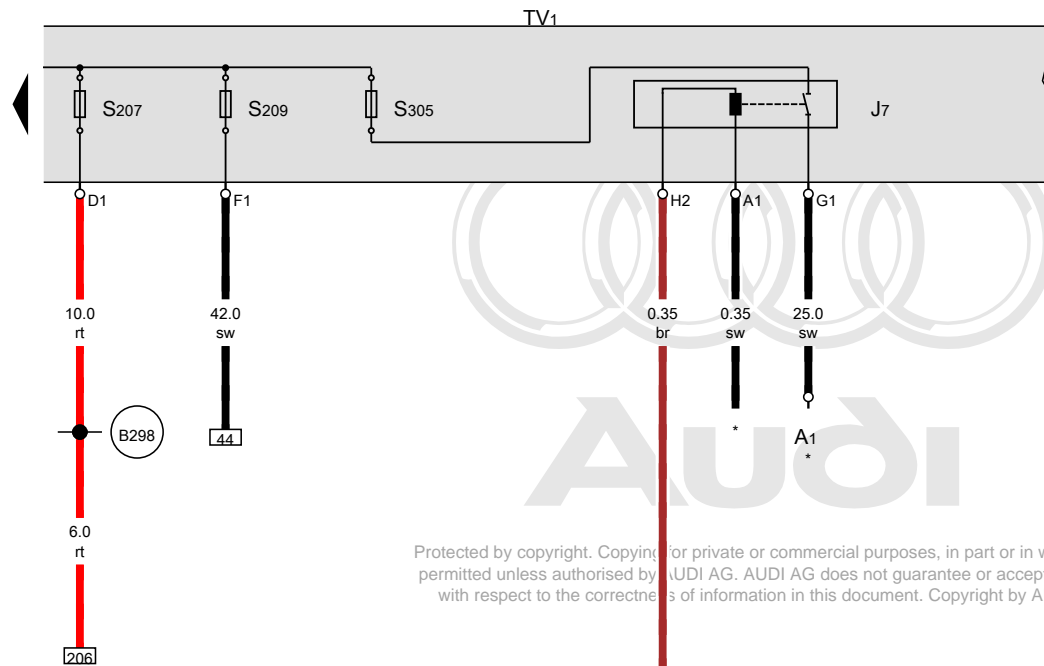


# Terminal 15 power supply relay, Starter battery switch-over relay, Wire junction

- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- J580 Starter battery switch-over relay
- ST1 Fuse panel 1
- SC16 Fuse 16 (on fuse panel C)
- S208 Fuse 5 (terminal 30)
- T32d 32-pin connector
- TV1 Wire junction

- 50 Ground connection in luggage compartment, left
- 371 Ground connection 6 (in main wiring harness)
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- A32 Positive connection (30) (in instrument panel wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
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# Battery cut-out relay, Wire junction

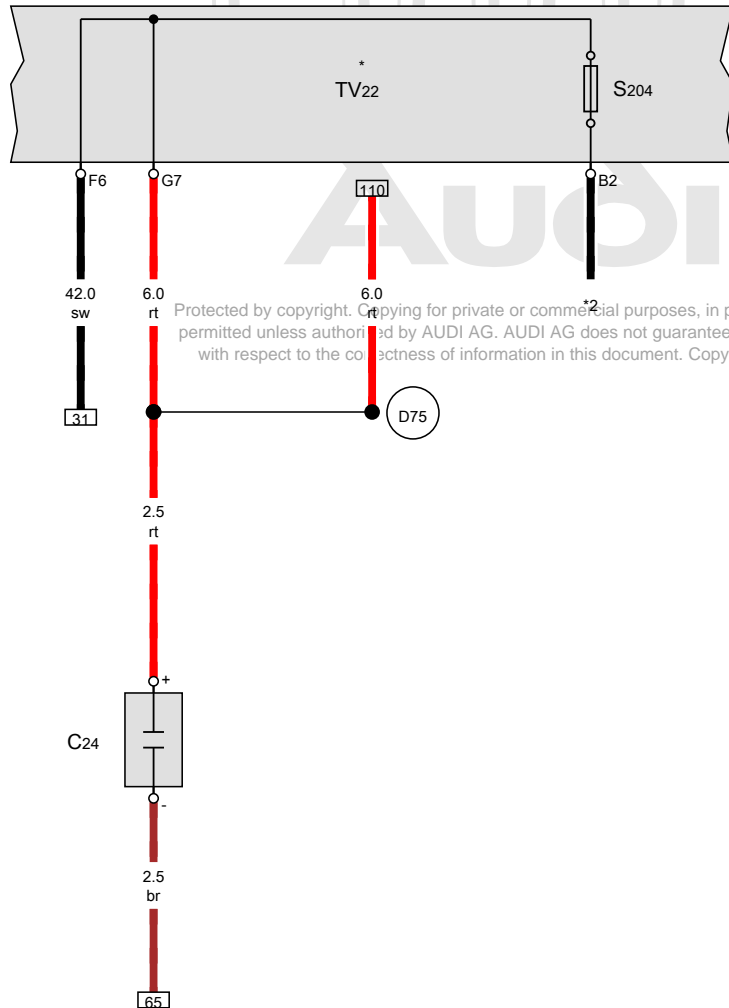
- A1 Auxiliary battery
- J7 Battery cut-out relay
- S207 Fuse 4 (terminal 30)
- S209 Fuse 6 (terminal 30)
- S305 Special purpose vehicle fuse 15
- TV1 Wire junction

371 Ground connection 6 (in main wiring harness)

B298 Positive connection 2 (30) (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
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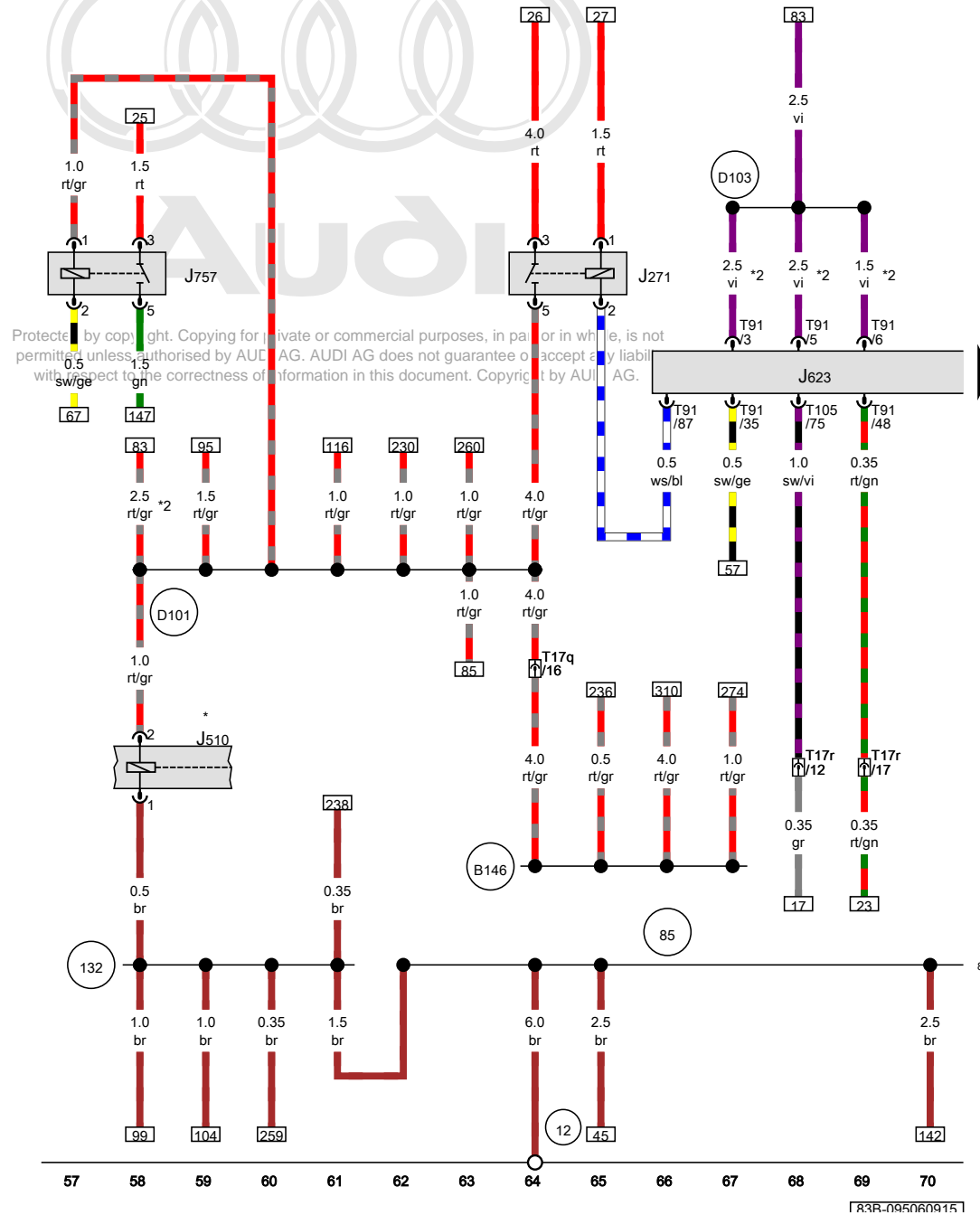
### Terminal 30 wire junction 2

- C24 Suppressor
- S204 Fuse 1 (terminal 30)
- TV22 Terminal 30 wire junction 2
- (D75) Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable radiator fan wiring diagram

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

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

[83B-095050915]



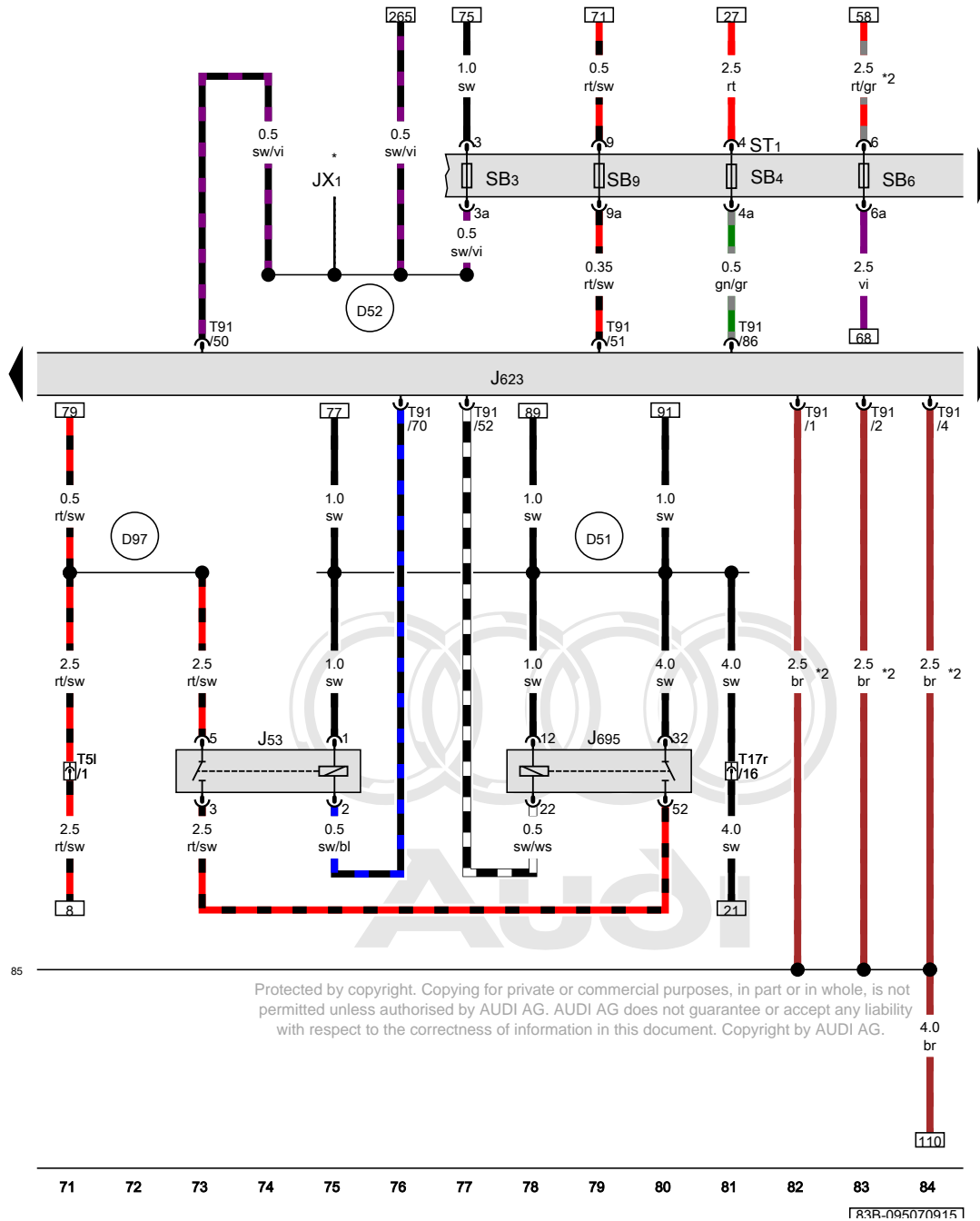
# Motronic engine control module power supply relay, Engine component power supply relay

- J271 Motronic engine control module power supply relay
- J510 Transmission hydraulic pump relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T91 91-pin connector
- T105 105-pin connector

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- B146 Positive connection 1 (87) (in interior wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)

\* Refer to applicable transmission wiring diagram  
 \*2 1,5 diameter possible

ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
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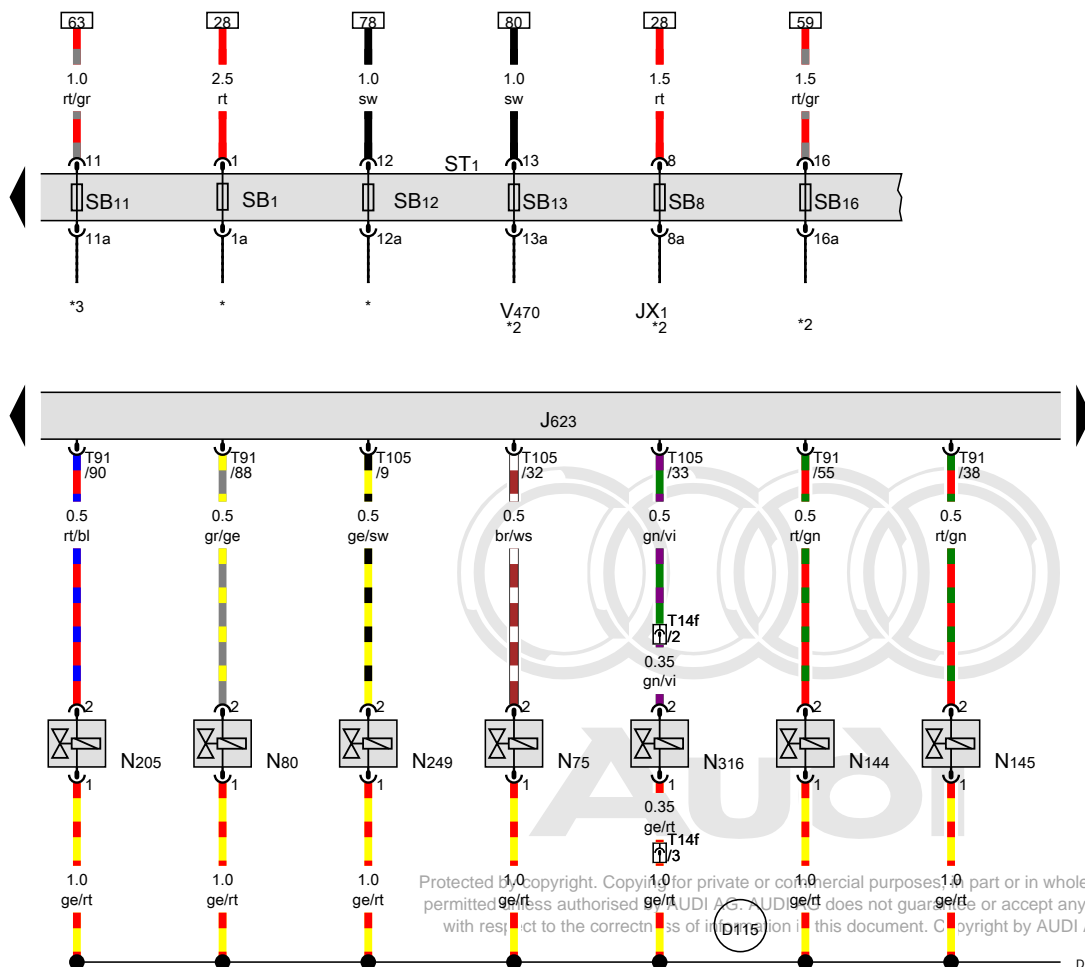


### Starter relay, Relay 2 for starter

- JX1 Electric drive power and control electronics
- J53 Starter relay
- J623 Engine control module
- J695 Relay 2 for starter
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- T5l 5-pin connector, in the engine compartment
- T17r 17-pin connector, white
- T91 91-pin connector

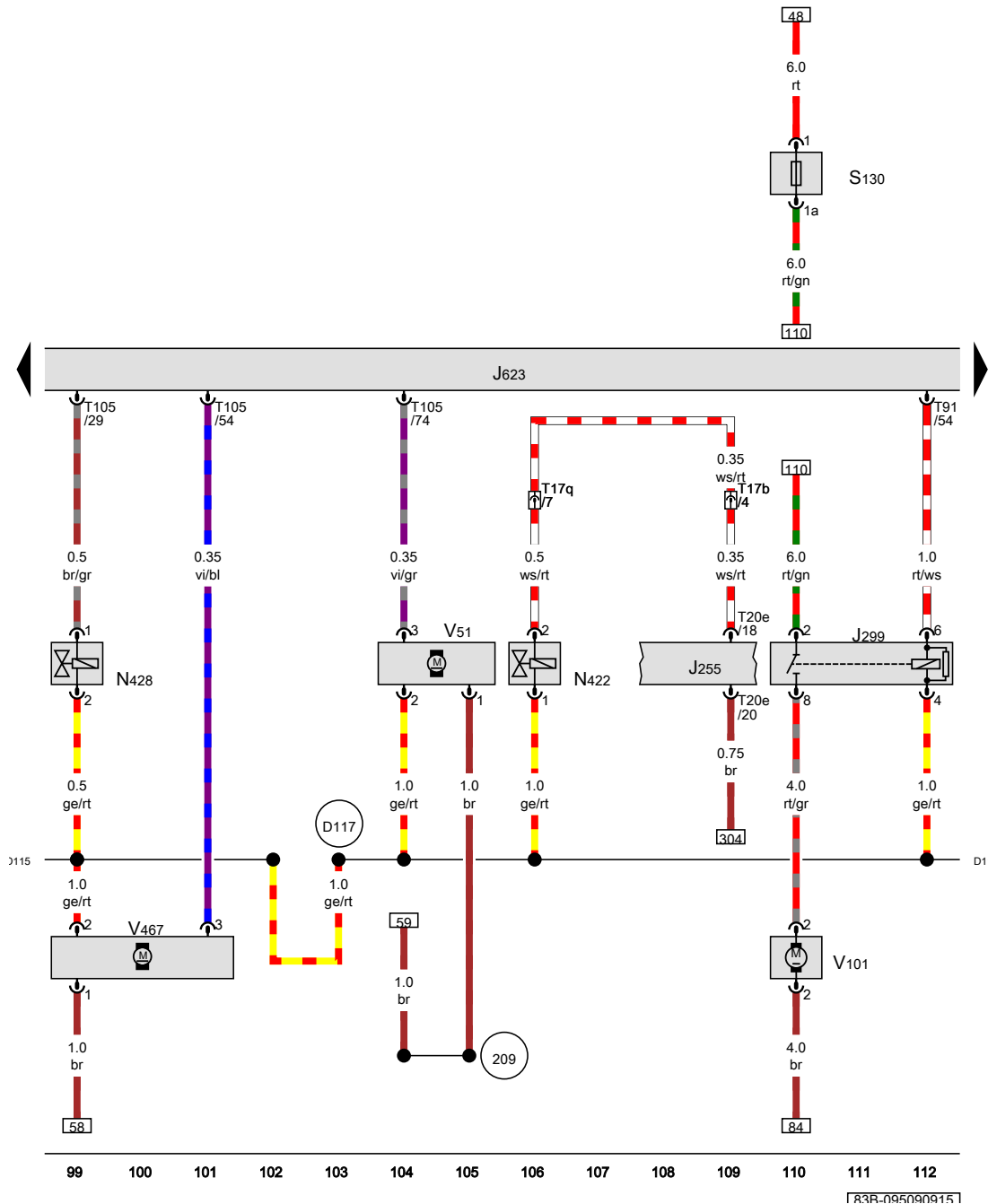
- 85 Ground connection 1 (in engine compartment wiring harness)
- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- \* Refer to applicable high-voltage system wiring diagram
- \*2 1,5 diameter possible

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- ro = red
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Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve, Camshaft adjustment valve 1, Turbocharger recirculation valve

- JX1 Electric drive power and control electronics
- J623 Engine control module
- N75 Wastegate bypass regulator valve
- N80 EVAP canister purge regulator valve 1
- N144 Left electrohydraulic engine mount solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N205 Camshaft adjustment valve 1
- N249 Turbocharger recirculation valve
- N316 Intake manifold runner control valve
- SB1 Fuse 1 (on fuse panel B)
- ST1 Fuse panel 1
- SB8 Fuse 8 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- SB13 Fuse 13 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- T14f 14-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector
- V470 Electrical A/C compressor
- D115 Connection 13 (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Refer to applicable high-voltage system wiring diagram
- \*3 Refer to applicable radiator fan wiring diagram



**Climatronic coolant shut-off valve, Oil pressure regulation valve, Secondary air injection pump motor**

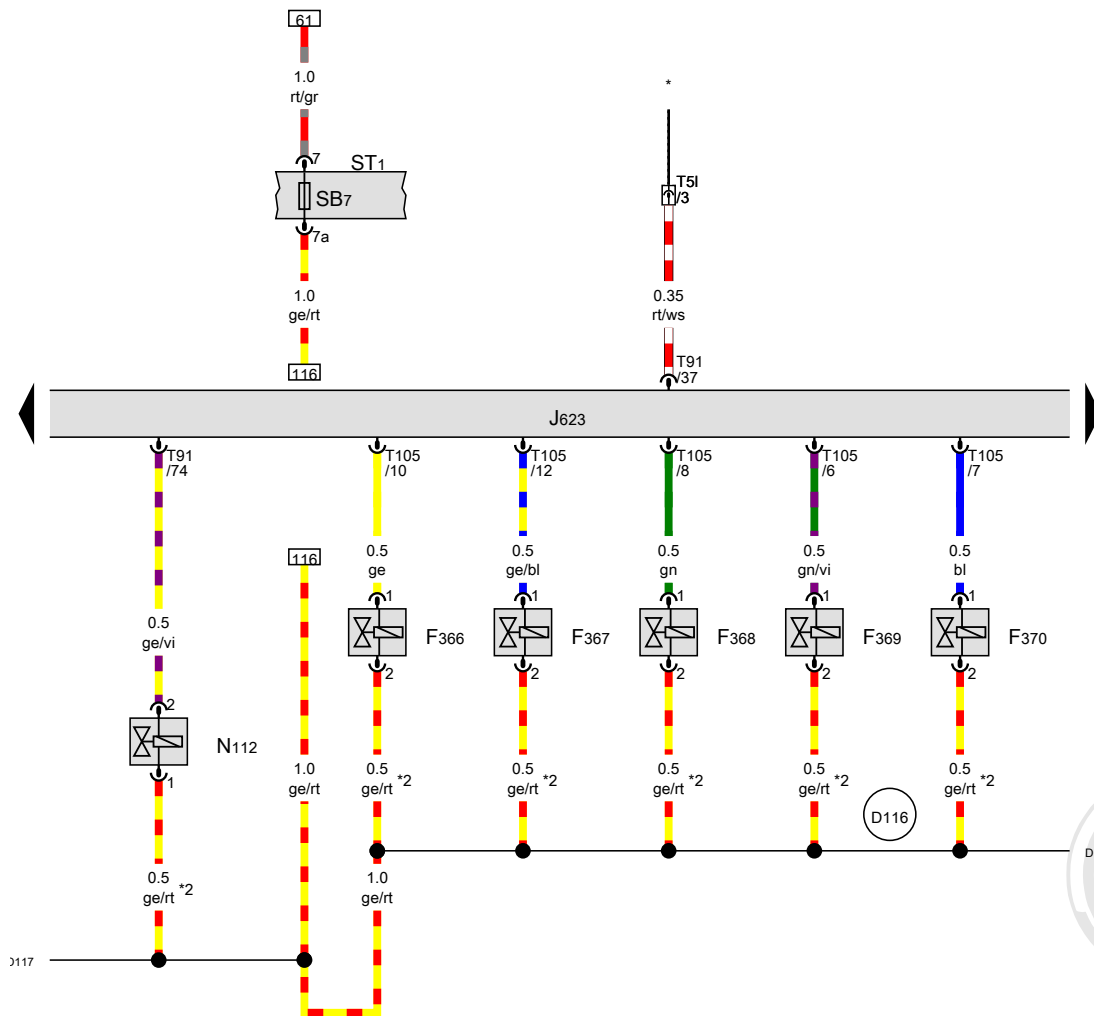
- J255 Climatronic control module
- J299 Secondary air injection pump relay
- J623 Engine control module
- N422 Climatronic coolant shut-off valve
- N428 Oil pressure regulation valve
- S130 Secondary air injection pump fuse
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- T91 91-pin connector
- T105 105-pin connector
- V51 After-run coolant pump
- V101 Secondary air injection pump motor
- V467 High temperature circuit coolant pump

- (209) Ground connection 6 (in engine compartment wiring harness)
- (D115) Connection 13 (in engine compartment wiring harness)
- (D117) Connection 15 (in engine compartment wiring harness)

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- rs = pink





# Cam adjustment actuator 1, Cam adjustment actuator 5, Secondary air injection solenoid valve

- 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
- J623 Engine control module
- N112 Secondary air injection solenoid valve
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- T51 5-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector

D116 Connection 14 (in engine compartment wiring harness)

D117 Connection 15 (in engine compartment wiring harness)

- \* Refer to applicable radiator fan wiring diagram
- \*2 Diameter depends on equipment

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- rt = red
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- gr = grey
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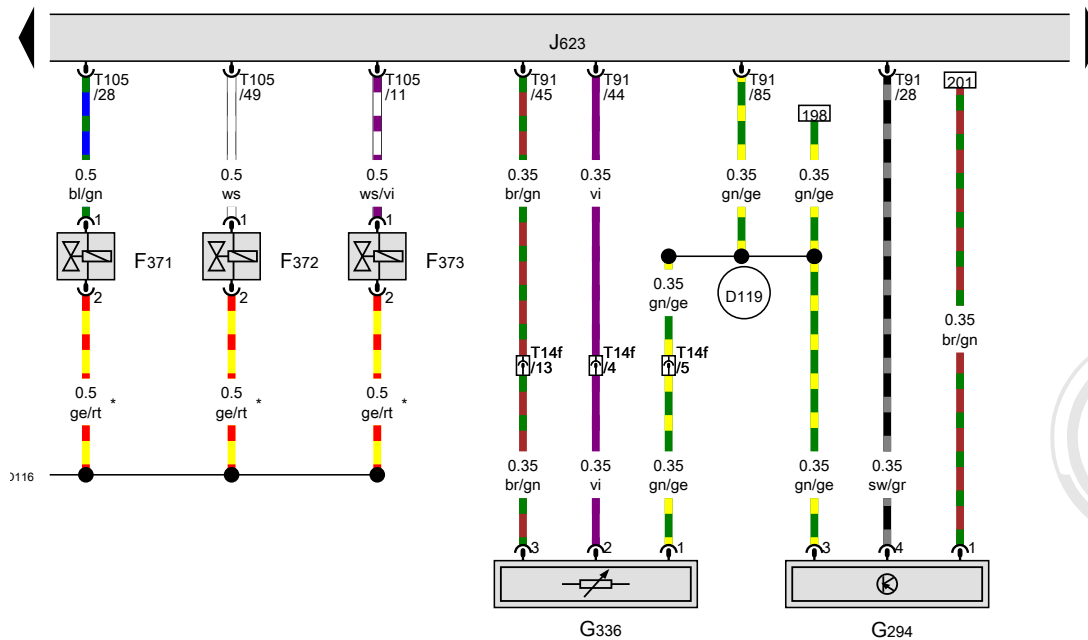
Cam adjustment actuator 6, Cam adjustment actuator 7,  
Cam adjustment actuator 8, Intake manifold runner position  
sensor

- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- G294 Brake booster pressure sensor
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T91 91-pin connector
- T105 105-pin connector

D116 Connection 14 (in engine compartment wiring harness)

D119 Connection 17 (in engine compartment wiring harness)

\* Diameter depends on equipment



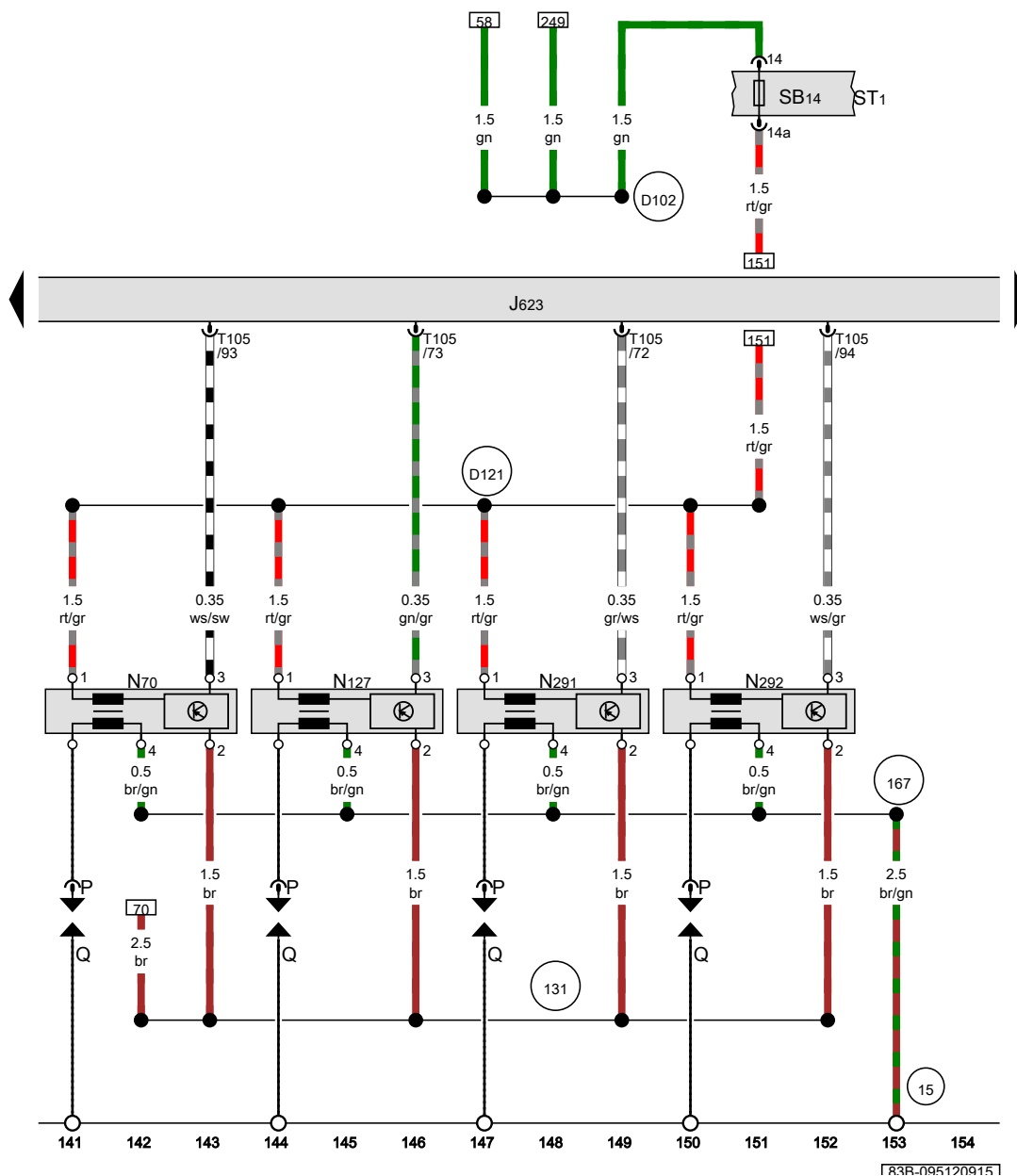
- ws = white
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127 128 129 130 131 132 133 134 135 136 137 138 139 140

[83B-095110915]

Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 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
- ST1 Fuse panel 1
- SB14 Fuse 14 (on fuse panel B)
- T105 105-pin connector

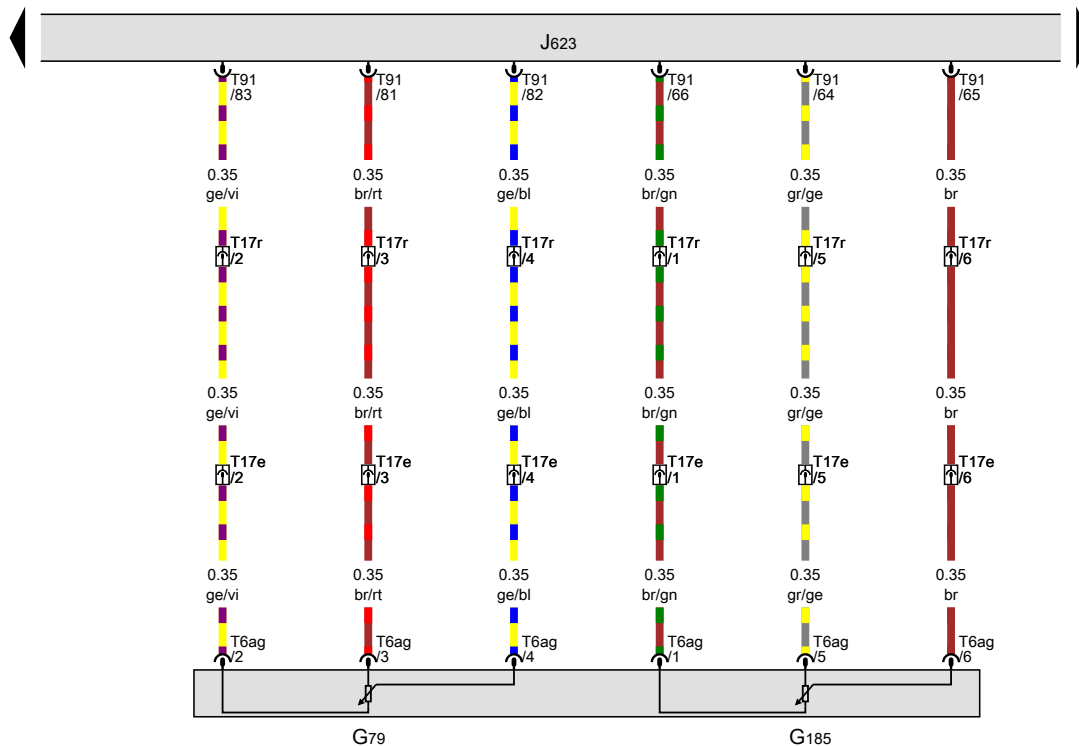
- 15 Ground connection on cylinder head
- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

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

Accelerator pedal position sensor, Accelerator pedal position sensor 2

- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T6ag 6-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T91 91-pin connector



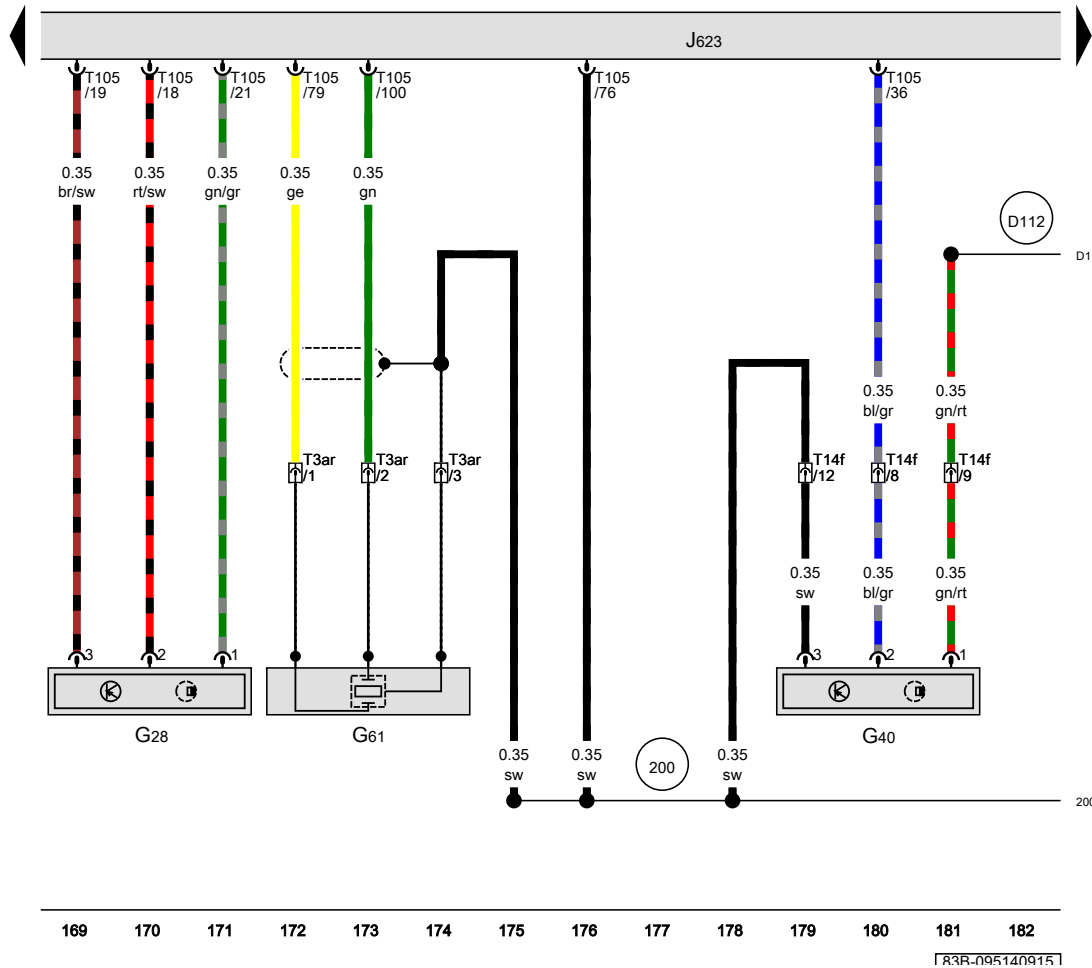
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- ge = yellow
- or = orange
- rs = pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

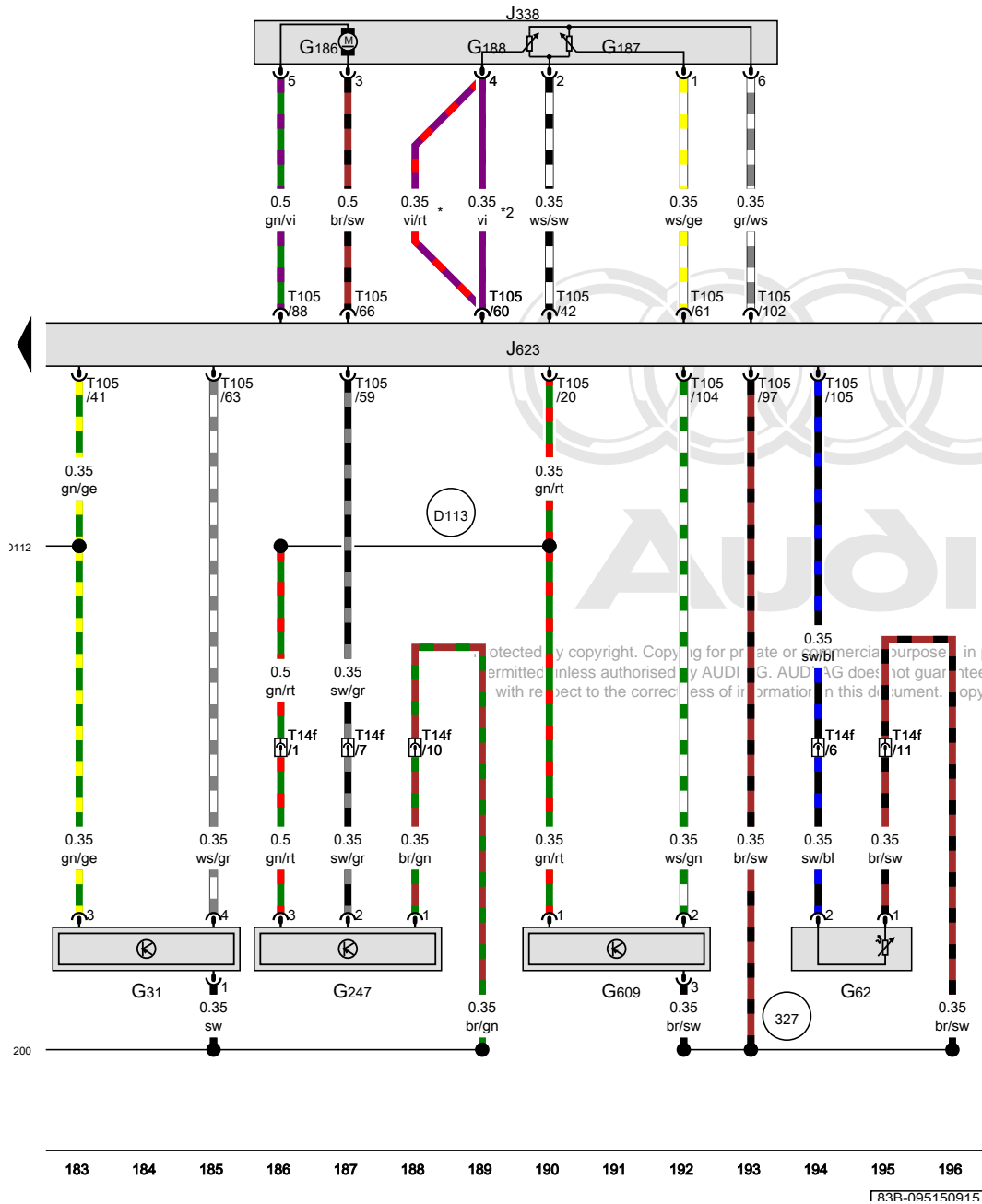
[83B-095130915]

Engine speed sensor, Camshaft position sensor

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- J623 Engine control module
- T3ar 3-pin connector, green
- T14f 14-pin connector, in the engine compartment
- T105 105-pin connector
- (200) Ground connection shielding (in engine compartment wiring harness)
- (D112) Connection 10 (in engine compartment wiring harness)



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# Charge air pressure sensor, Fuel pressure sensor, Throttle valve control module

- G31 Charge air pressure sensor
- G62 Engine coolant temperature sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G247 Fuel pressure sensor
- G609 Secondary air injection sensor 1
- J338 Throttle valve control module
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T105 105-pin connector

- 200 Ground connection shielding (in engine compartment wiring harness)
- 327 Sensor ground connection (in engine compartment wiring harness)
- D112 Connection 10 (in engine compartment wiring harness)
- D113 Connection 11 (in engine compartment wiring harness)

\* from November 2015  
\*2 Through October 2015

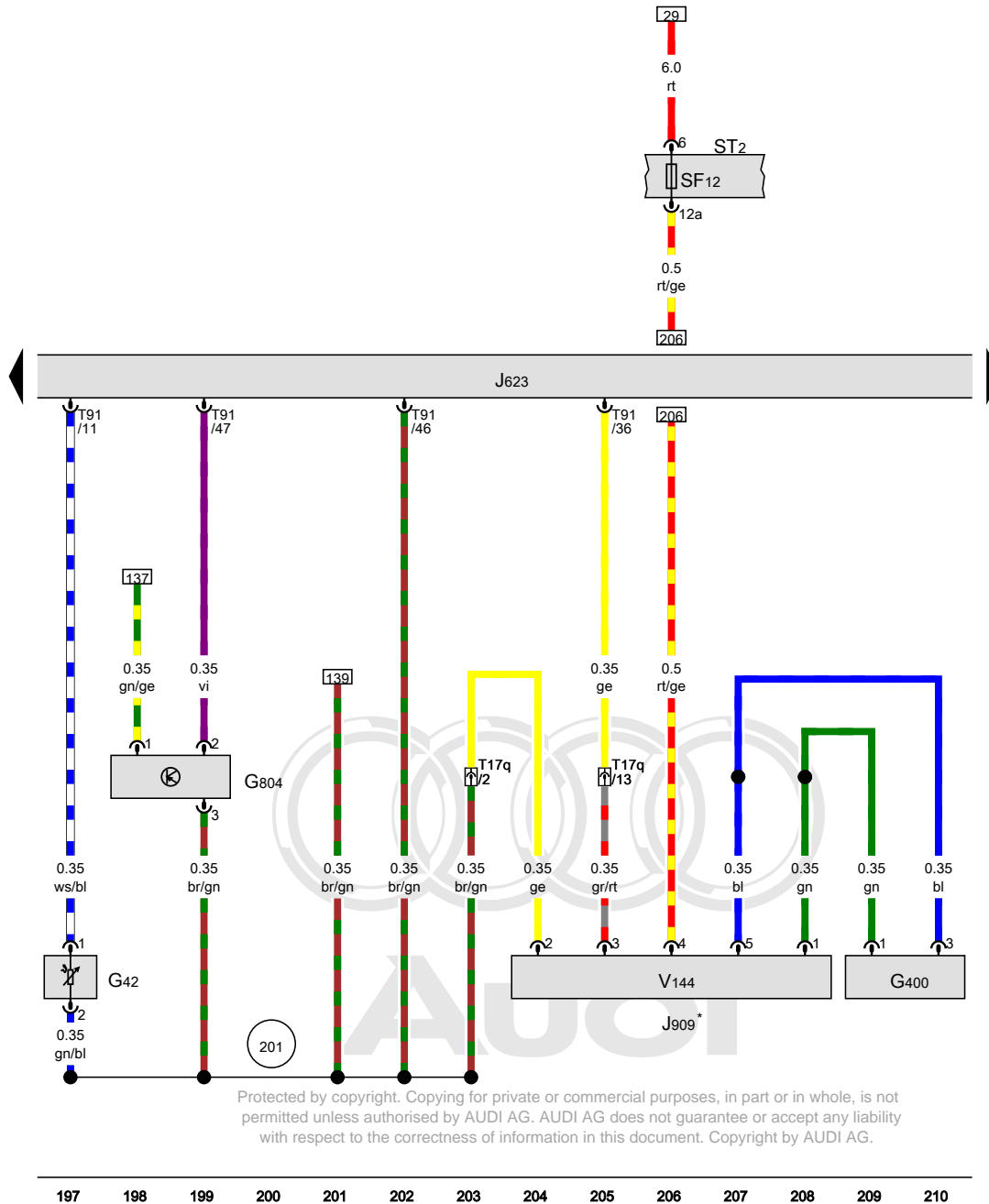
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sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
vi = lilac  
ge = yellow  
or = orange  
rs = pink

Fuel tank pressure sensor, EVAP canister system pressure sensor, Fuel tank leak detection control module, Leak detection pump

- G42 Intake air temperature sensor
- G400 Fuel tank pressure sensor
- G804 EVAP canister system pressure sensor
- J623 Engine control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF12 Fuse 12 (on fuse panel F)
- T17q 17-pin connector, red
- T91 91-pin connector
- V144 Leak detection pump

201 Ground connection 5 (in engine compartment wiring harness)

\* Only for vehicles with US equipment



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

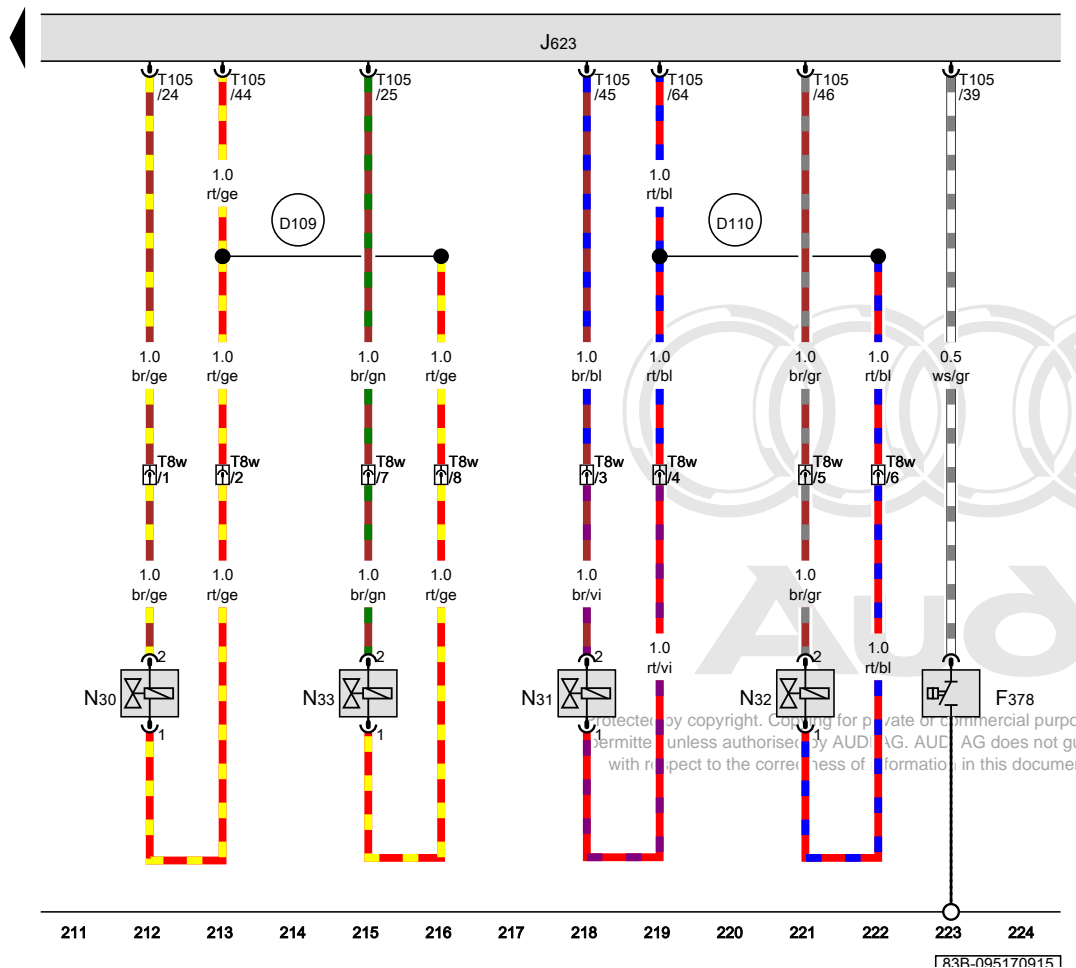
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Reduced oil pressure switch, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector

- F378 Reduced oil pressure switch
- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- T8w 8-pin connector, in the engine compartment
- T105 105-pin connector

D109 Connection 7 (in engine compartment wiring harness)

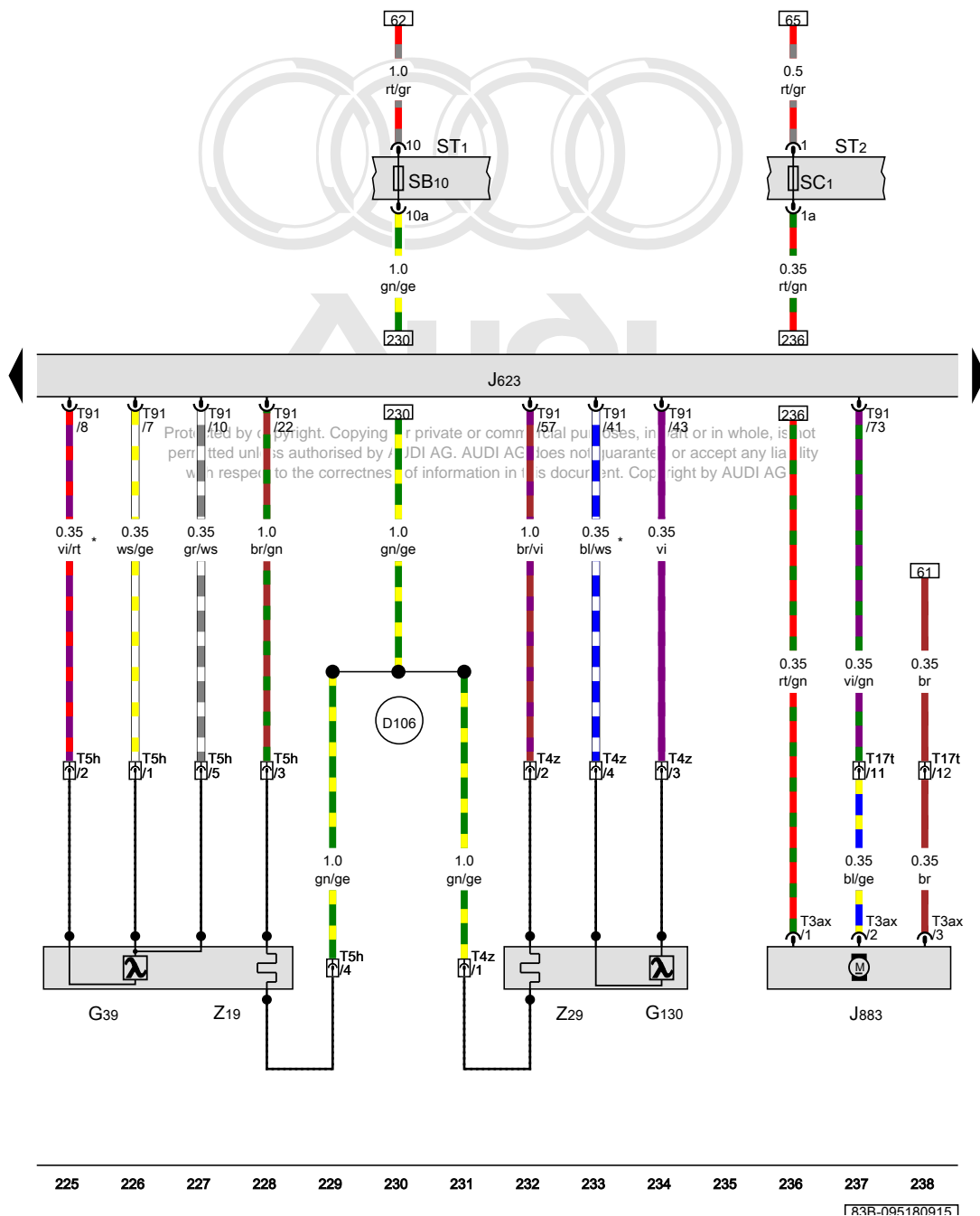
D110 Connection 8 (in engine compartment wiring harness)



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

183B-0951709151

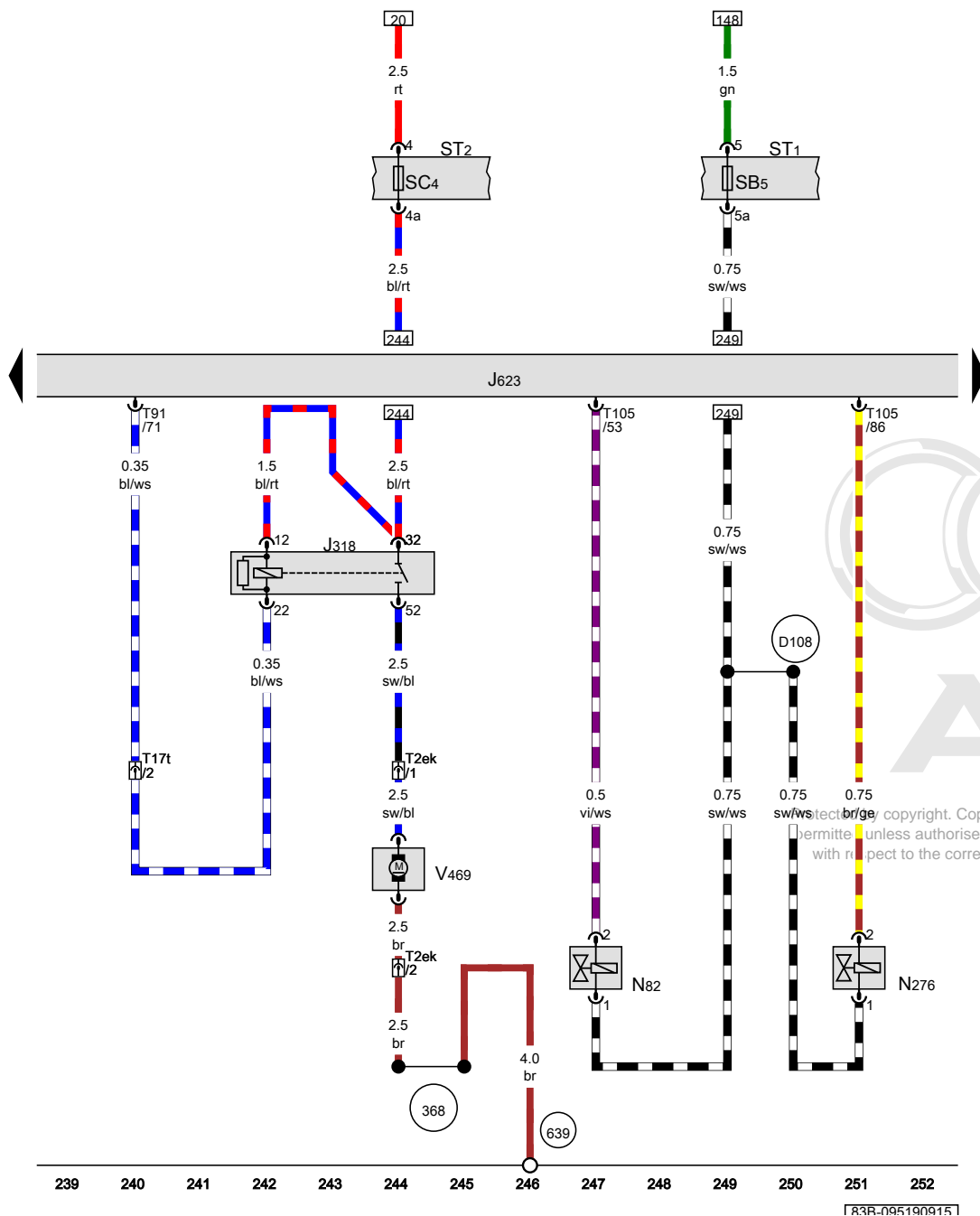




# Heated oxygen sensor, Oxygen sensor after catalytic converter

- G39 Heated oxygen sensor
- G130 Oxygen sensor after catalytic converter
- J623 Engine control module
- J883 Exhaust door control unit
- ST1 Fuse panel 1
- SC1 Fuse 1 (on fuse panel C)
- ST2 Fuse panel 2
- SB10 Fuse 10 (on fuse panel B)
- T3ax 3-pin connector
- T4z 4-pin connector, brown
- T5h 5-pin connector, black
- T17t 17-pin connector, brown
- T91 91-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D106 Connection 4 (in engine compartment wiring harness)
- \* The color of the wires depends on vehicle equipment

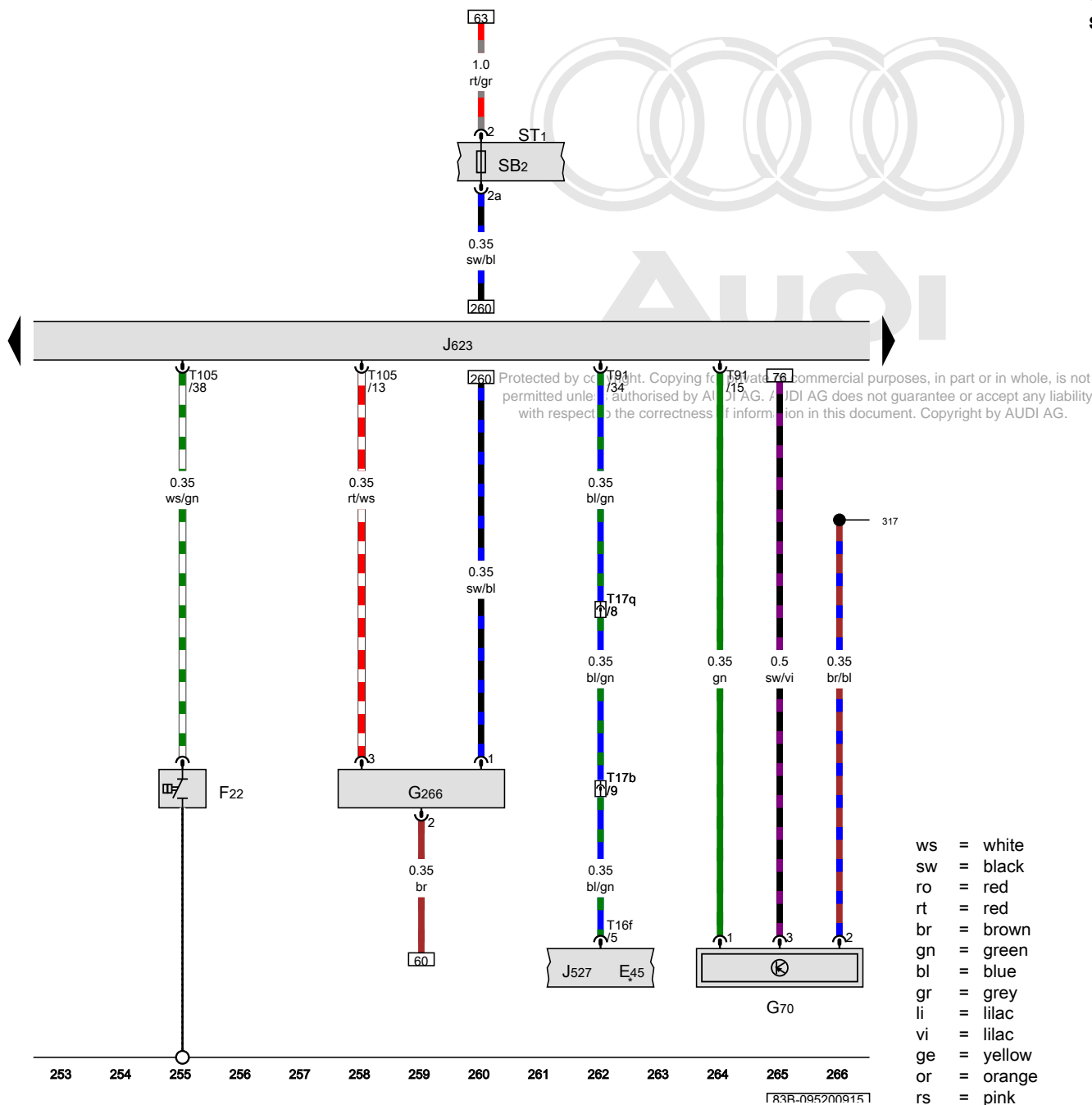
Fuel pressure regulator valve, Brake booster vacuum pump



- J318 Vacuum pump relay
- J623 Engine control module
- N82 Coolant shut-off valve
- N276 Fuel pressure regulator valve
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC4 Fuse 4 (on fuse panel C)
- SB5 Fuse 5 (on fuse panel B)
- T2ek 2-pin connector, black
- T17t 17-pin connector, brown
- T91 91-pin connector
- T105 105-pin connector
- V469 Brake booster vacuum pump
- 368 Ground connection 3 (in main wiring harness)
- 639 Ground connection on left A-pillar
- D108 Connection 6 (in engine compartment wiring harness)

ws = white  
 sw = black  
 ro = red  
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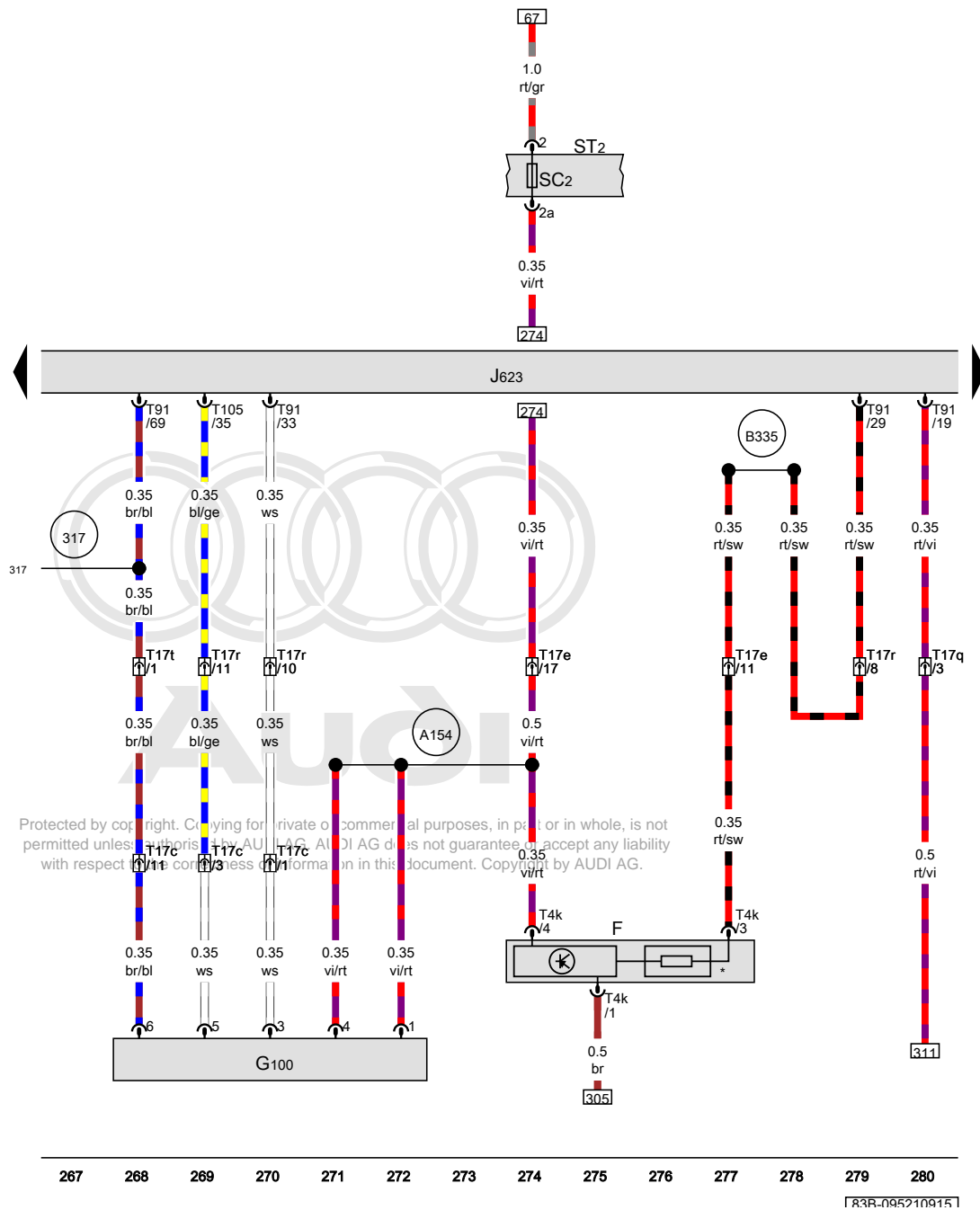


Oil pressure switch, Mass airflow sensor, Oil level thermal sensor, Steering column electronics control module

- E45 Cruise control switch
- F22 Oil pressure switch
- G70 Mass airflow sensor
- G266 Oil level thermal sensor
- J527 Steering column electronics control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T91 91-pin connector
- T105 105-pin connector
- 317 Ground connection 7 (in engine compartment wiring harness)

\* Only for vehicles with cruise control

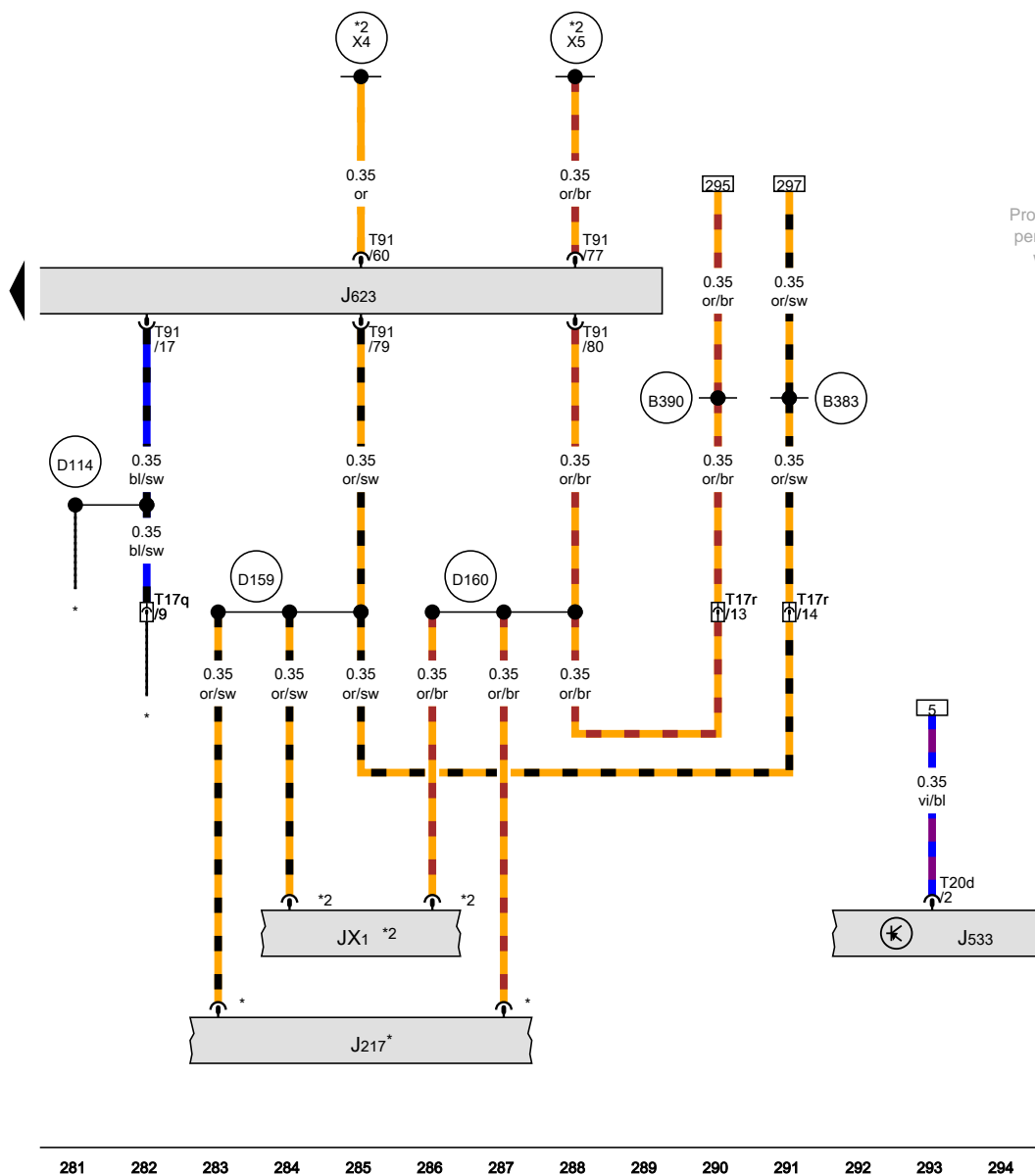
ws = white  
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# Brake lamp switch, Brake pedal position sensor

- F Brake lamp switch
- G100 Brake pedal position sensor
- J623 Engine control module
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- T4k 4-pin connector
- T17c 17-pin connector, black
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T17t 17-pin connector, brown
- T91 91-pin connector
- T105 105-pin connector

- 317 Ground connection 7 (in engine compartment wiring harness)
- A154 Brake pedal switch connection (in instrument panel wiring harness)
- B335 Connection 54 (in main wiring harness) 1
- \* Brake lamp sensor system coil



### Data bus on board diagnostic interface

- JX1 Electric drive power and control electronics
- J217 Transmission control module
- J533 Data bus on board diagnostic interface
- J623 Engine control module
- T1 1-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20d 20-pin connector
- T91 91-pin connector

B383 Powertrain CAN bus high connection 1 (in main wiring harness)

B390 Powertrain CAN bus low connection 1 (in main wiring harness)

D114 Connection 12 (in engine compartment wiring harness)

D159 High bus connection (in engine compartment wiring harness)

D160 Low bus positive connection (in engine compartment wiring harness)

X4 CAN bus Hybrid high connection 1 (in engine compartment wiring harness)

X5 CAN bus Hybrid low connection 1 (in engine compartment wiring harness)

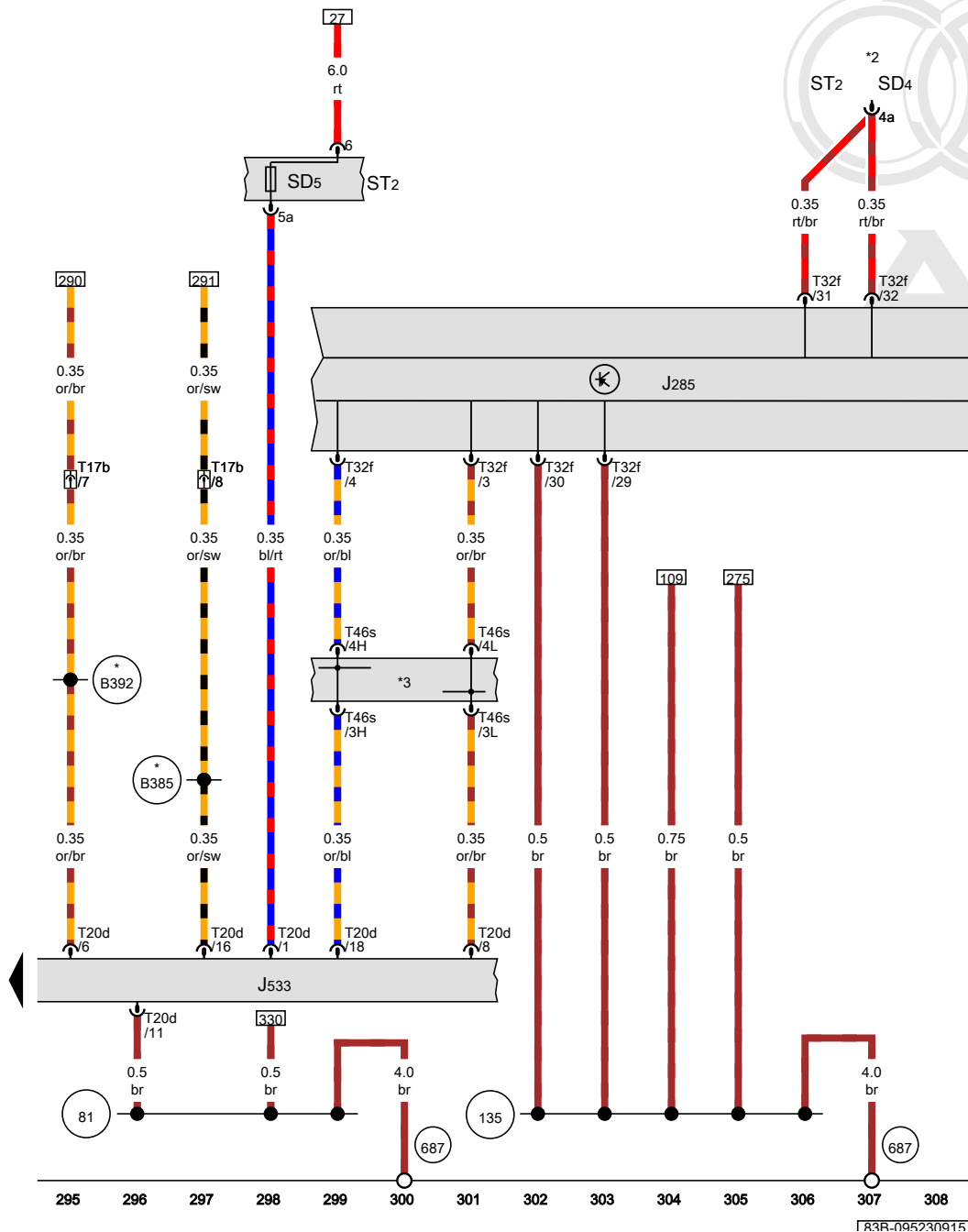
\* Refer to applicable wiring diagram for automatic transmission

\*2 Refer to applicable high-voltage system wiring diagram

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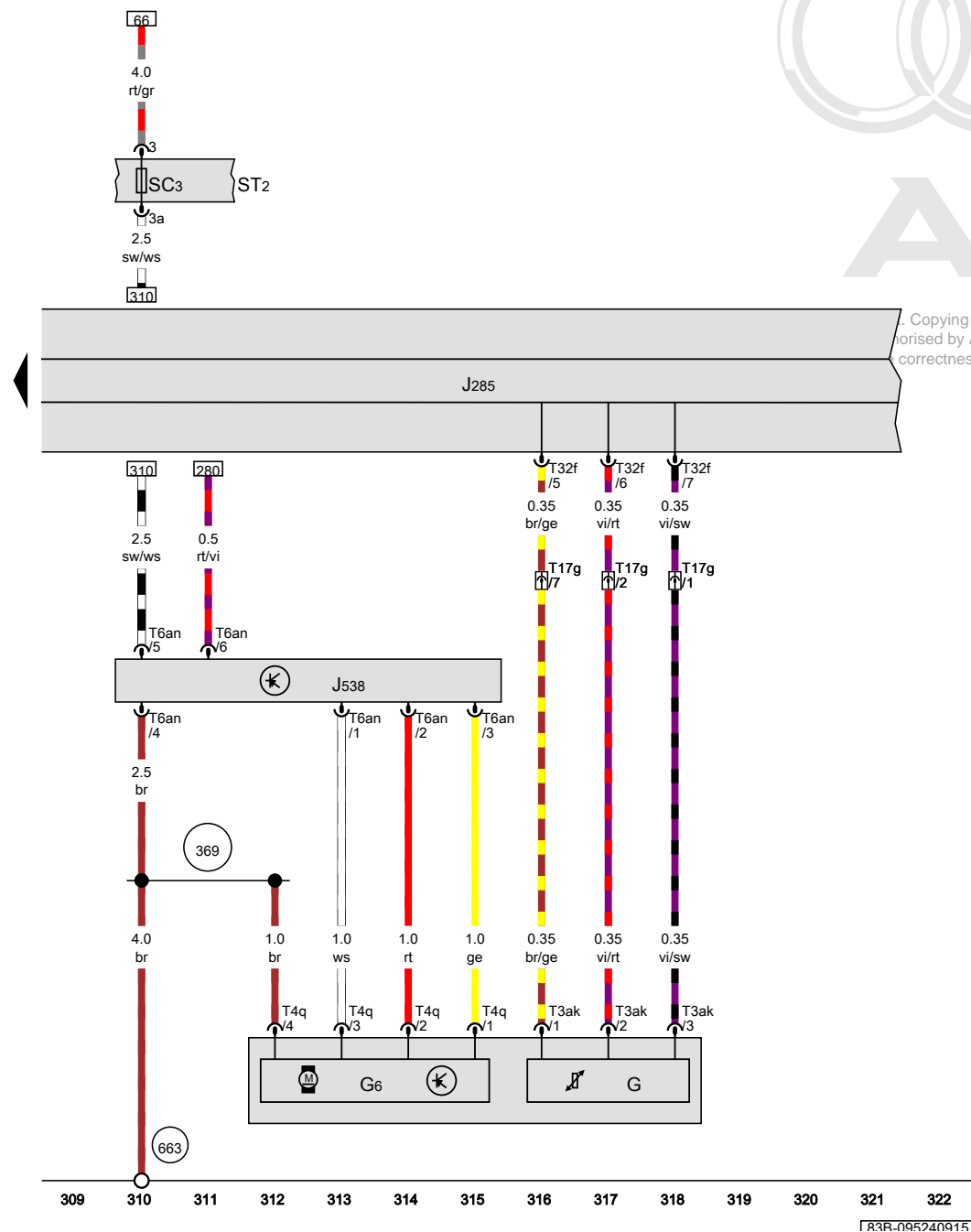
# Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T17b 17-pin connector, blue
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)

- \* Omitted as a running change
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Refer to the applicable wiring diagram for CAN isolating plug

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Fuel level sensor, Transfer fuel pump, Instrument cluster control module, Fuel pump control module

- G Fuel level sensor
- G6 Transfer fuel pump
- J285 Instrument cluster control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T3ak 3-pin connector
- T4q 4-pin connector
- T6an 6-pin connector
- T17g 17-pin connector, black
- T32f 32-pin connector

369 Ground connection 4 (in main wiring harness)

663 Ground connection in right rear side panel

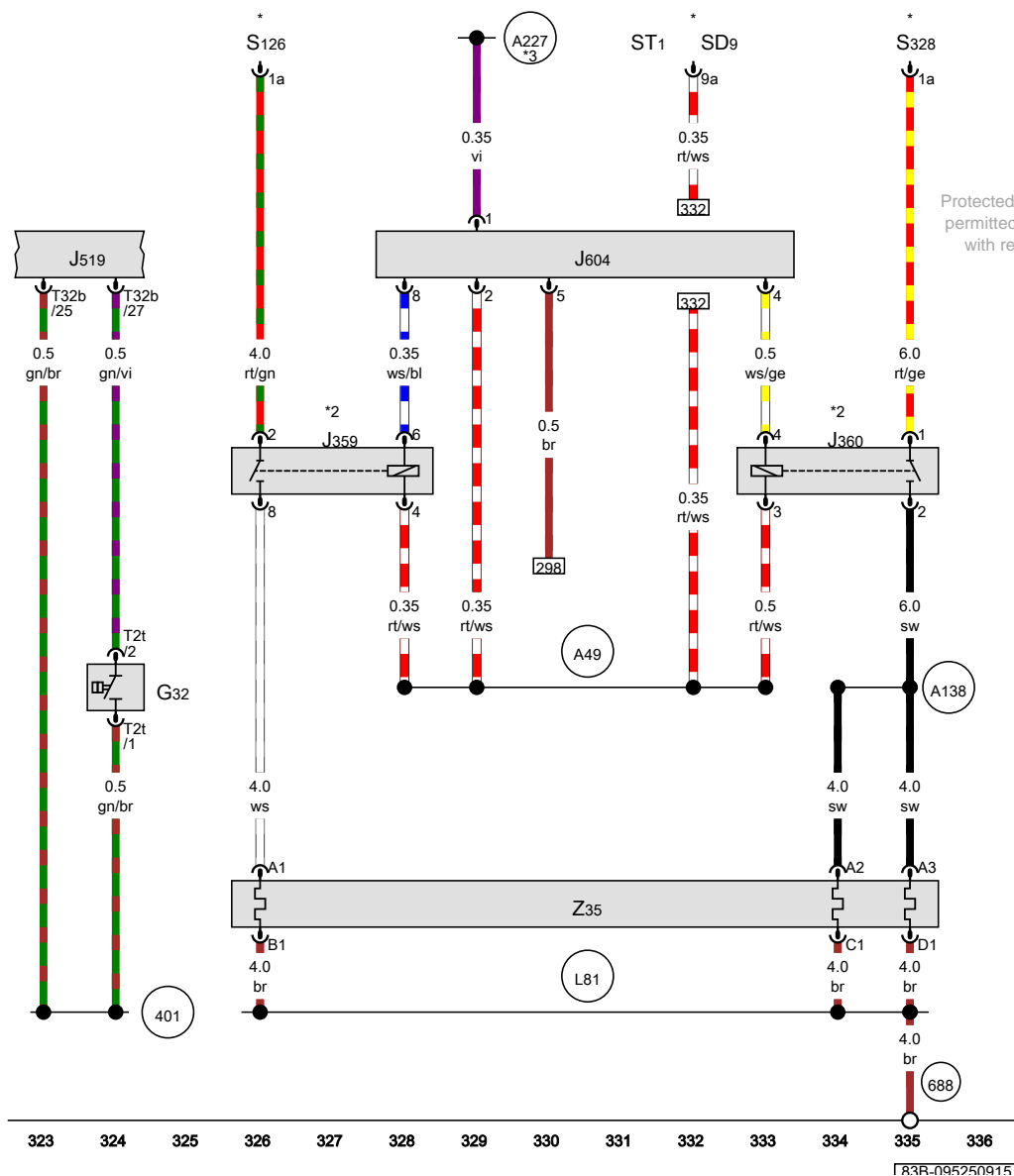
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Engine coolant level sensor, Low heat output relay, High heat output relay, Vehicle electrical control module system, Auxiliary heater control module, Auxiliary heater heating element

- G32 Engine coolant level sensor
- J359 Low heat output relay
- J360 High heat output relay
- J519 Vehicle electrical control module system
- J604 Auxiliary heater control module
- ST1 Fuse panel 1
- SD9 Fuse 9 (on fuse panel D)
- S126 Auxiliary heater fuse
- S328 Auxiliary heater fuse 2
- T2t 2-pin connector
- T32b 32-pin connector
- Z35 Auxiliary heater heating element

- 401 Sensor ground connection (in interior wiring harness)
- 688 Ground connection 2 on center tunnel
- A49 Connection 1 (in instrument panel wiring harness)
- A138 Connection 2 (in instrument panel wiring harness)
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- L81 Connection (in auxiliary heater wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with auxiliary heater
- \*3 Refer to applicable A/C system wiring diagram

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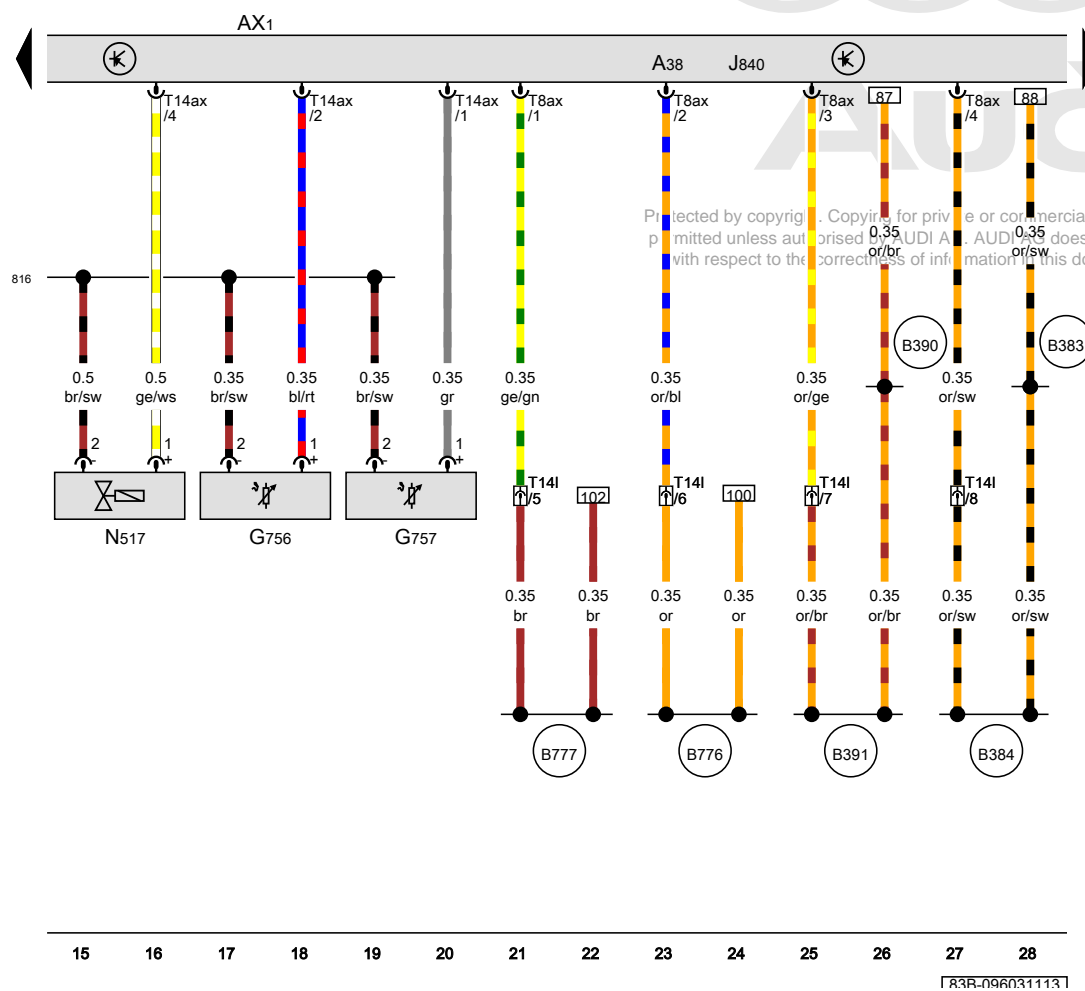
**High voltage system**  
from May 2012

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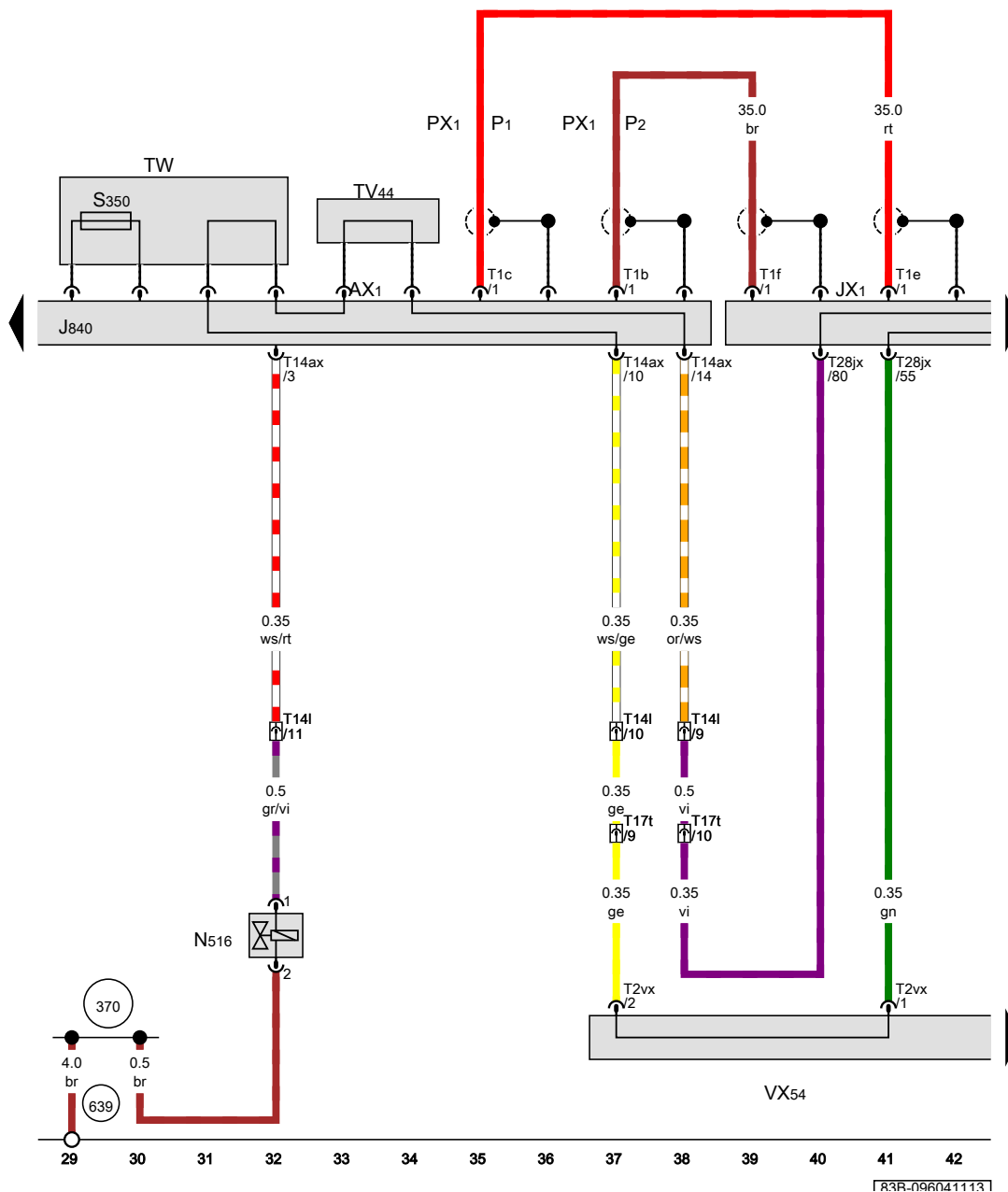


Hybrid battery unit, Hybrid battery, Temperature sensor before hybrid battery evaporator, Temperature sensor after hybrid battery evaporator, Hybrid battery refrigerant shut-off valve 2

- AX1 Hybrid battery unit
- A38 Hybrid battery
- G756 Temperature sensor before hybrid battery evaporator
- G757 Temperature sensor after hybrid battery evaporator
- J840 Battery regulation control module
- N517 Hybrid battery refrigerant shut-off valve 2
- T8ax 8-pin connector
- T14ax 14-pin connector
- T14l 14-pin connector



Hybrid battery unit, Electric drive power and control electronics, High voltage wiring harness for high voltage battery, High voltage system maintenance connector, Three-phase current drive



- AX1 Hybrid battery unit
- JX1 Electric drive power and control electronics
- J840 Battery regulation control module
- N516 Hybrid battery refrigerant shut-off valve 1
- PX1 High voltage wiring harness for high voltage battery
- P1 Hybrid battery high voltage cable, positive terminal
- P2 Hybrid battery high voltage cable, negative terminal
- S350 High voltage system fuse 1
- T1b Single connector
- T1c Single connector
- T1e Single connector
- T1f Single connector
- T2vx Double connector
- T14ax 14-pin connector
- T14l 14-pin connector
- T17t 17-pin connector, brown
- T28jx 28-pin connector
- TV44 Pilot line connector 1
- TW High voltage system maintenance connector
- VX54 Three-phase current drive

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar

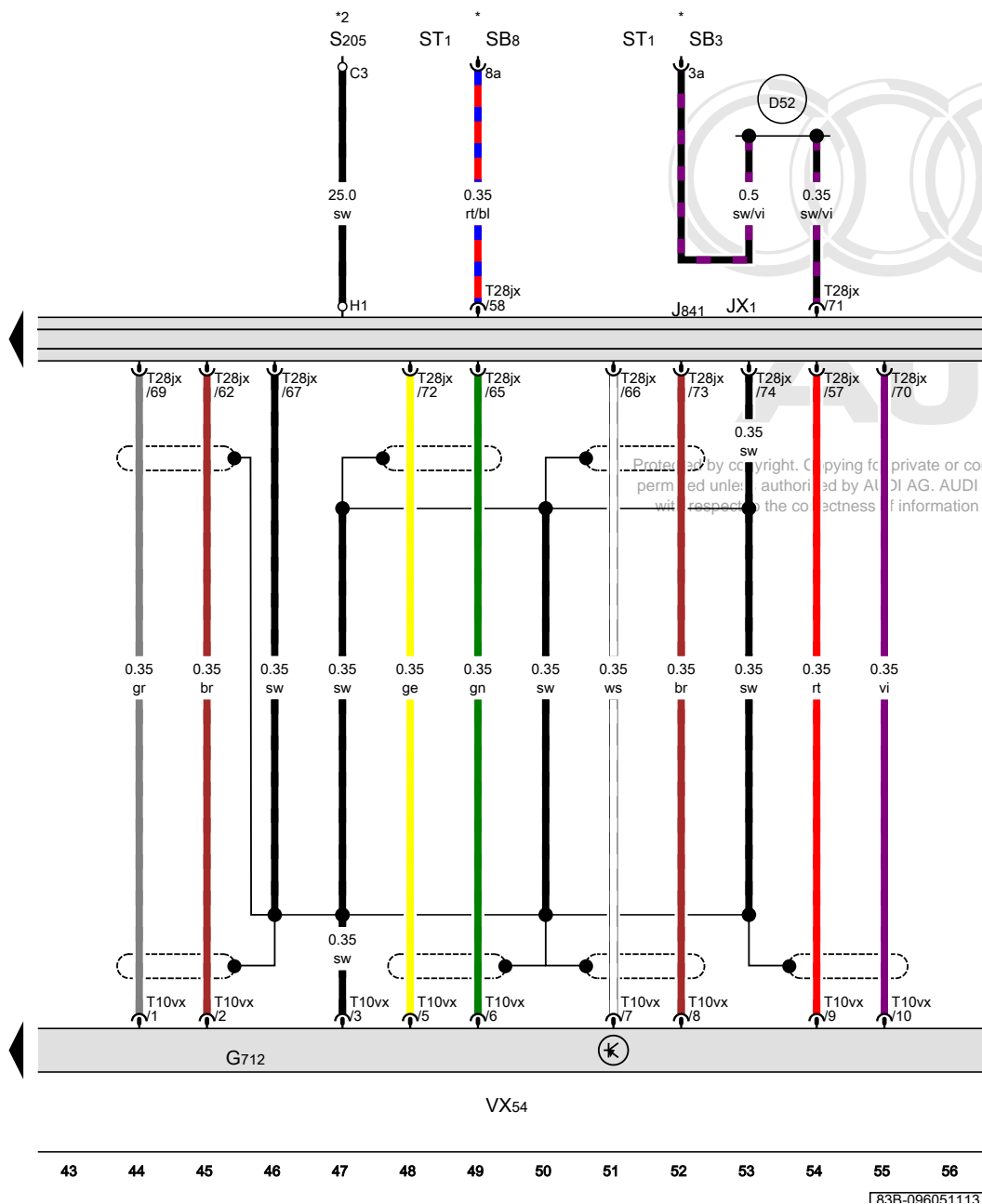
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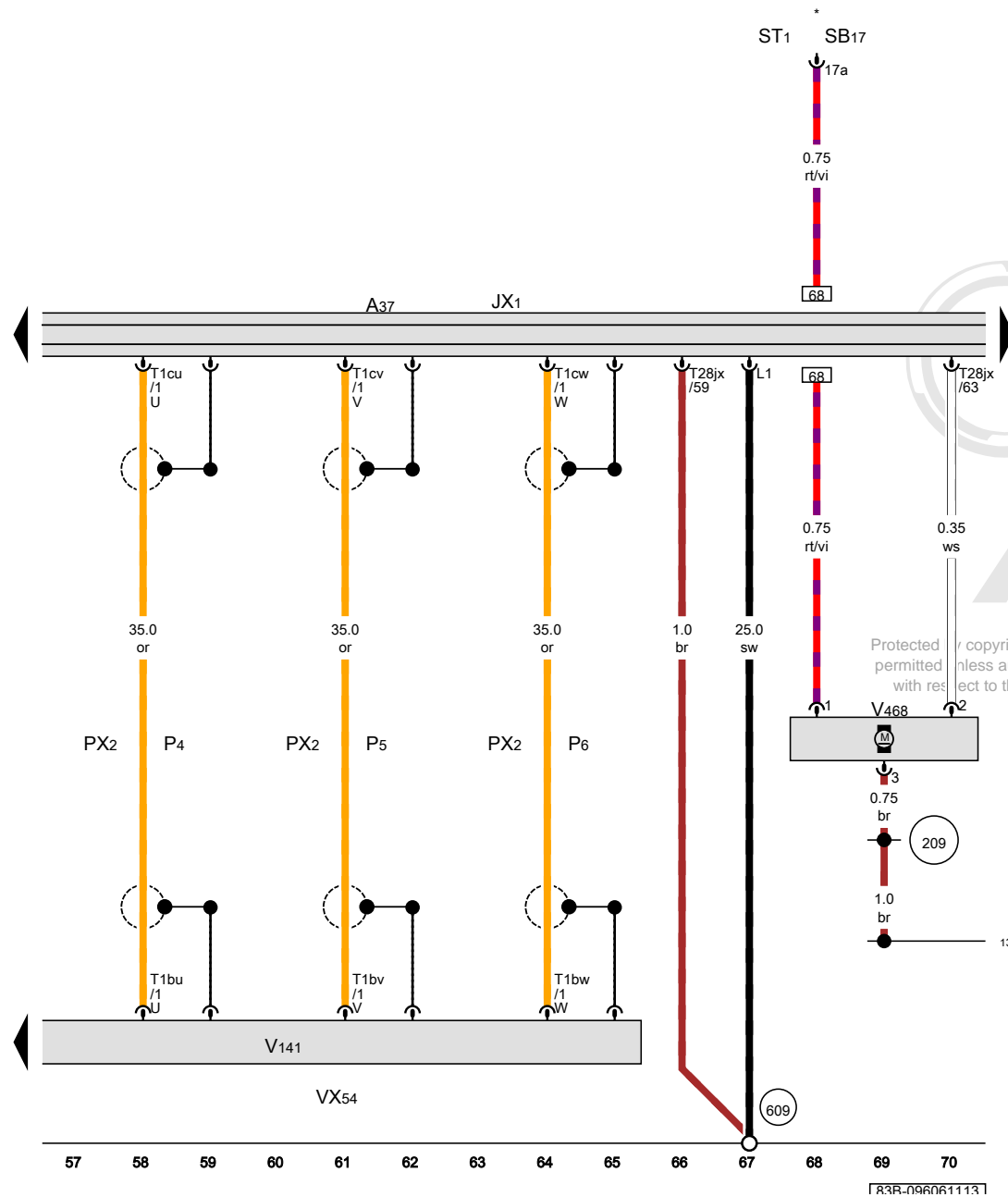
Drive motor temperature sensor, Electric drive power and control electronics, Three-phase current drive

- G712 Drive motor temperature sensor  
 JX1 Electric drive power and control electronics  
 J841 Electrical drive control module  
 ST1 Fuse panel 1  
 SB3 Fuse 3 (on fuse panel B)  
 SB8 Fuse 8 (on fuse panel B)  
 S205 Fuse 2 (terminal 30)  
 T10vx 10-pin connector  
 T28jx 28-pin connector  
 VX54 Three-phase current drive
- D52 Positive connection (15a) (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram  
 \*2 Refer to applicable wiring diagram for fuse positions



183B-096051113

Drive motor inverter, Electric drive power and control electronics, Drive motor high voltage wiring harness, Three-phase current drive, Electro-drive drive motor

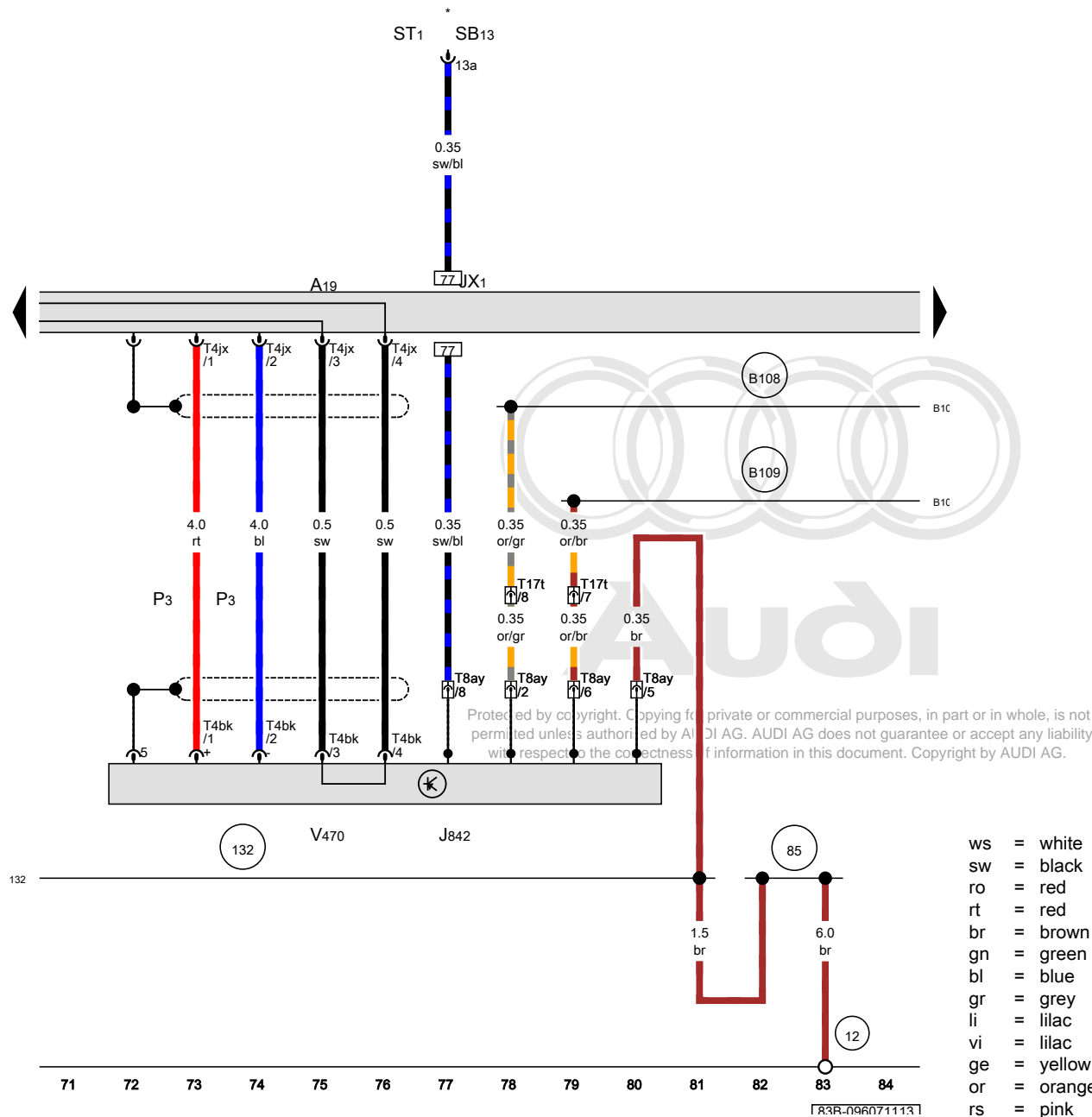


- A37 Drive motor inverter
- JX1 Electric drive power and control electronics
- PX2 Drive motor high voltage wiring harness
- P4 Drive motor high voltage cable 1
- P5 Drive motor high voltage cable 2
- P6 Drive motor high voltage cable 3
- ST1 Fuse panel 1
- SB17 Fuse 17 (on fuse panel B)
- T1bu Single connector
- T1bv Single connector
- T1bw Single connector
- T1cu Single connector
- T1cv Single connector
- T1cw Single connector
- T28jx 28-pin connector
- VX54 Three-phase current drive
- V141 Electro-drive drive motor
- V468 Low temperature circuit coolant pump

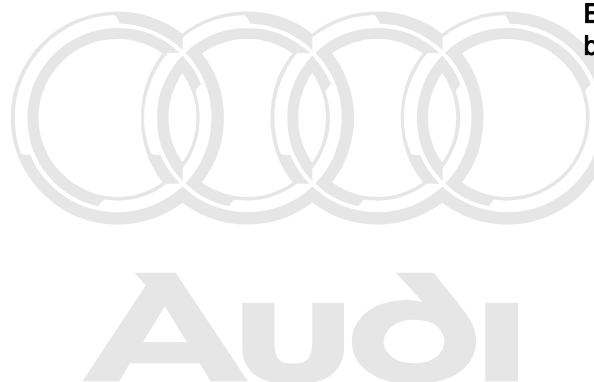
- 132 Ground connection 3 (in engine compartment wiring harness)
- 209 Ground connection 6 (in engine compartment wiring harness)
- 609 Ground connection in plenum chamber, right

Refer to applicable engine wiring diagram

Voltage converter, Electric drive power and control electronics, A/C compressor control module, Electrical A/C compressor high voltage cable, Electrical A/C compressor

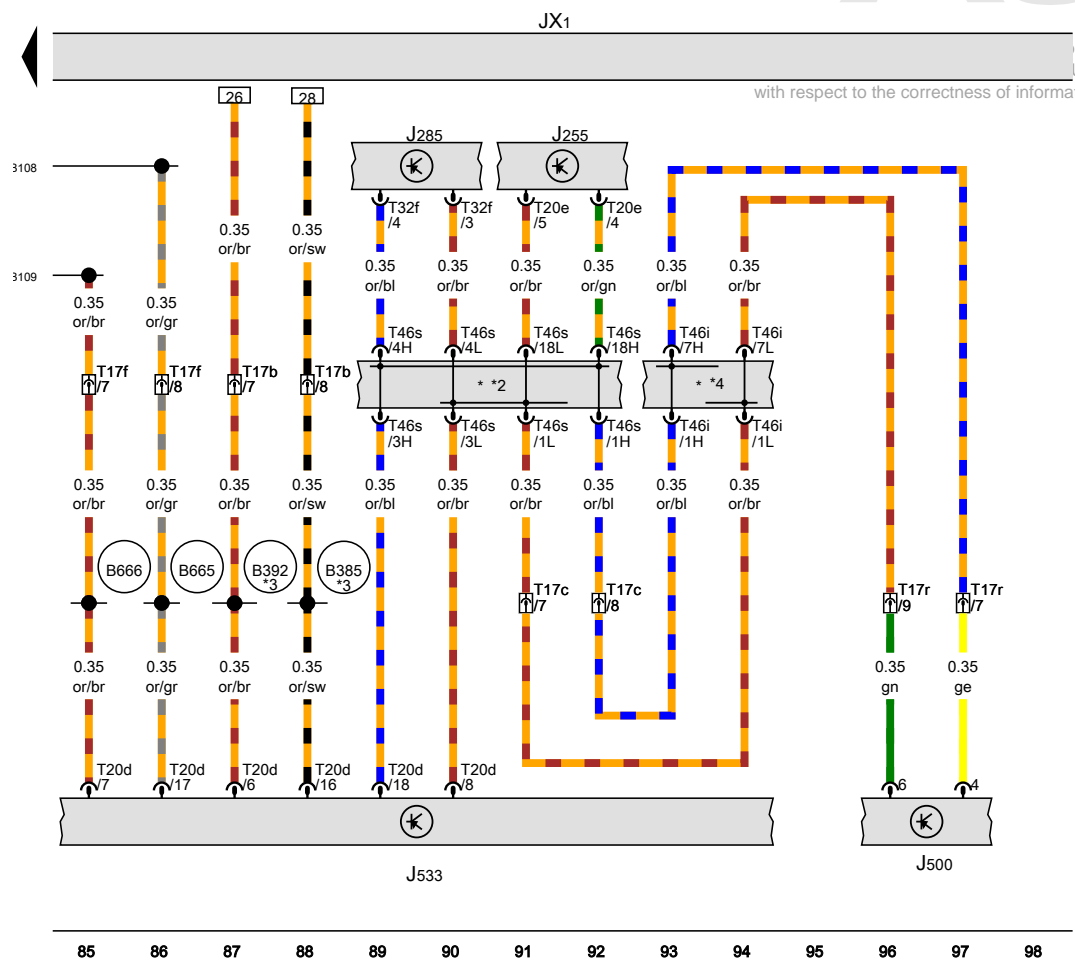


- A19 Voltage converter
- JX1 Electric drive power and control electronics
- J842 A/C compressor control module
- P3 Electrical A/C compressor high voltage cable
- ST1 Fuse panel 1
- SB13 Fuse 13 (on fuse panel B)
- T4bk 4-pin connector
- T4jx 4-pin connector
- T8ay 8-pin connector
- T17t 17-pin connector, brown
- V470 Electrical A/C compressor
- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- \* Refer to applicable engine wiring diagram



# Electric drive power and control electronics, Data bus on board diagnostic interface

- JX1 Electric drive power and control electronics
- J255 Climatronic control module
- J285 Instrument cluster control module
- J500 Power steering control module
- J533 Data bus on board diagnostic interface
- T17b 17-pin connector, blue
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T17r 17-pin connector, white
- T20d 20-pin connector
- T20e 20-pin connector
- T32f 32-pin connector
- T46i 46-pin connector
- T46s 46-pin connector



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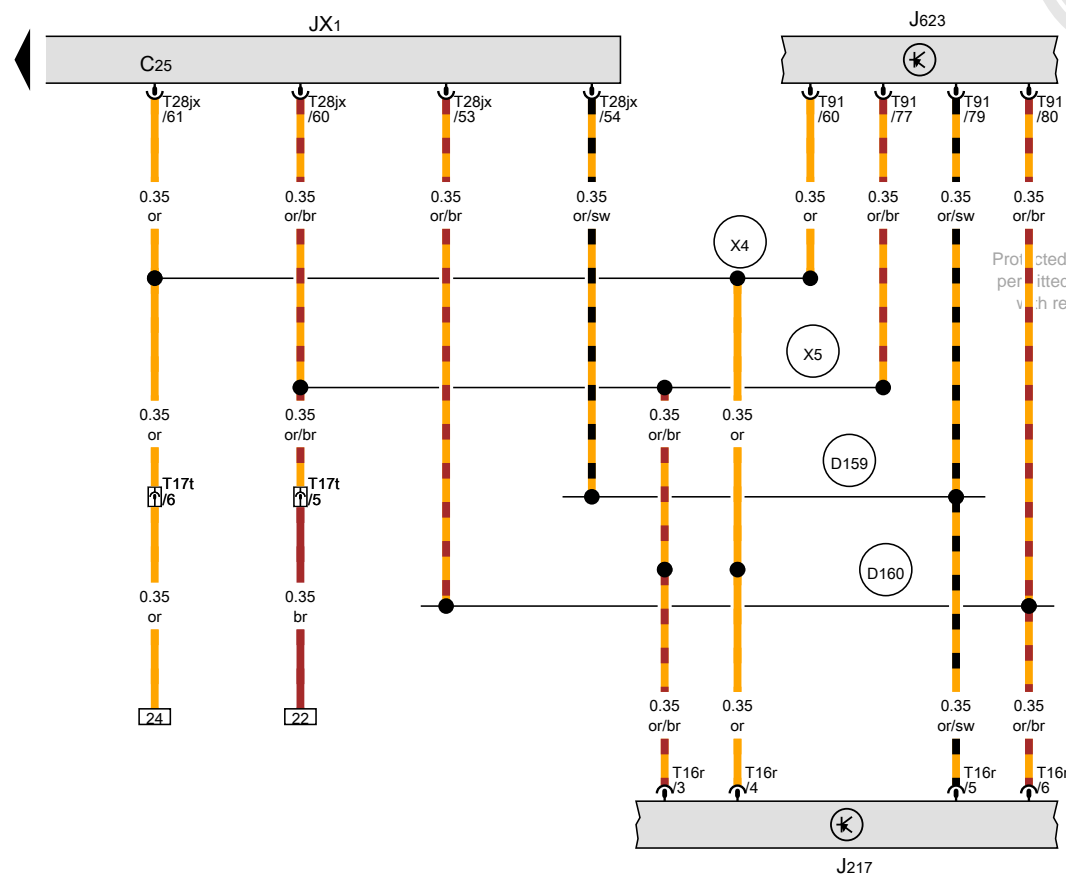
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (in main wiring harness)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram
- \*2 Front passenger connection bridge, brown
- \*3 Omitted as a running change
- \*4 Driver connection bridge, brown

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Electric drive power and control electronics, Engine control module

- C25 Intermediate circuit capacitor 1
- JX1 Electric drive power and control electronics
- J217 Transmission control module
- J623 Engine control module
- T16r 16-pin connector
- T17t 17-pin connector, brown
- T28jx 28-pin connector
- T91 91-pin connector
- D159 High bus connection (in engine compartment wiring harness)
- D160 Low bus positive connection (in engine compartment wiring harness)
- X4 CAN bus Hybrid high connection 1 (in engine compartment wiring harness)
- X5 CAN bus Hybrid low connection 1 (in engine compartment wiring harness)



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# Electrical drive button

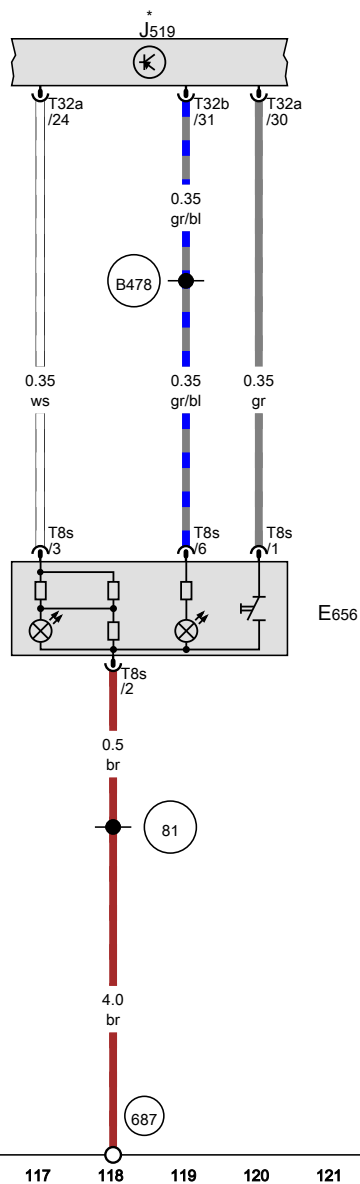
E656 Electrical drive button  
J519 Vehicle electrical system control module  
T8s 8-pin connector  
T32a 32-pin connector  
T32b 32-pin connector

81 Ground connection 1 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

B478 Connection 14 (in main wiring harness)

\* Refer to applicable standard equipment wiring diagram



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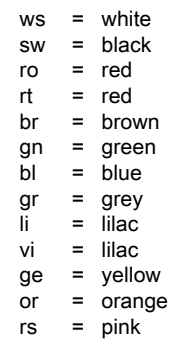
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**Fuse assignment for vehicles with a high voltage system**

from May 2012

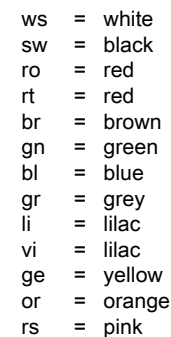


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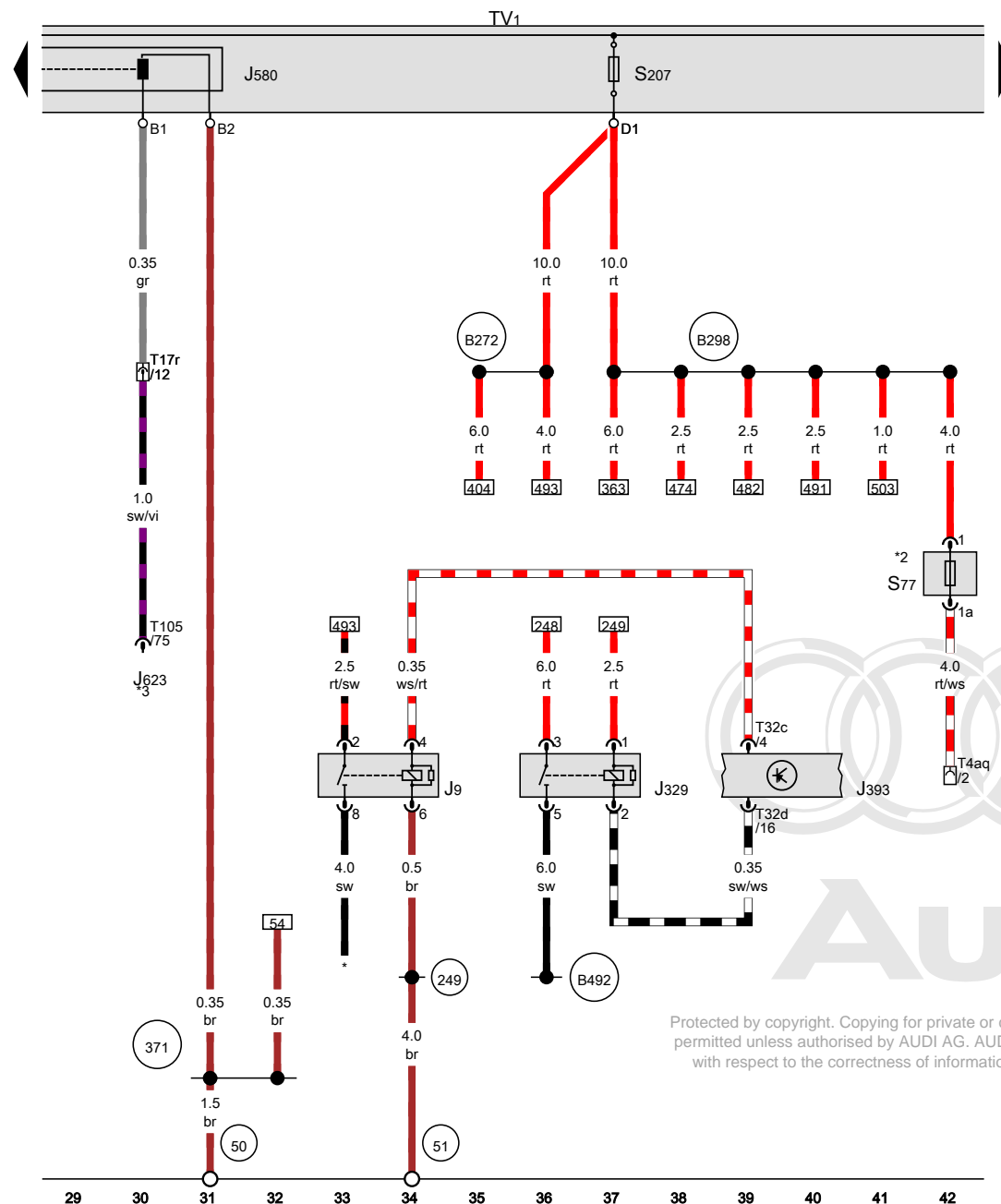
A	Battery
J367	Battery monitoring control module
J533	Data bus on board diagnostic interface
SA	Fuse panel A
T2x	Double connector
T17e	17-pin connector, in the left A-pillar connector station
T20d	20-pin connector
624	Ground connection near starter battery

cardiagn.com



B	Starter
J234	Airbag control module
N253	Battery interrupt igniter
SA	Fuse panel A
T2y	Double connector
TV1	Wire junction
T100	100-pin connector
*	Refer to applicable airbag wiring diagram

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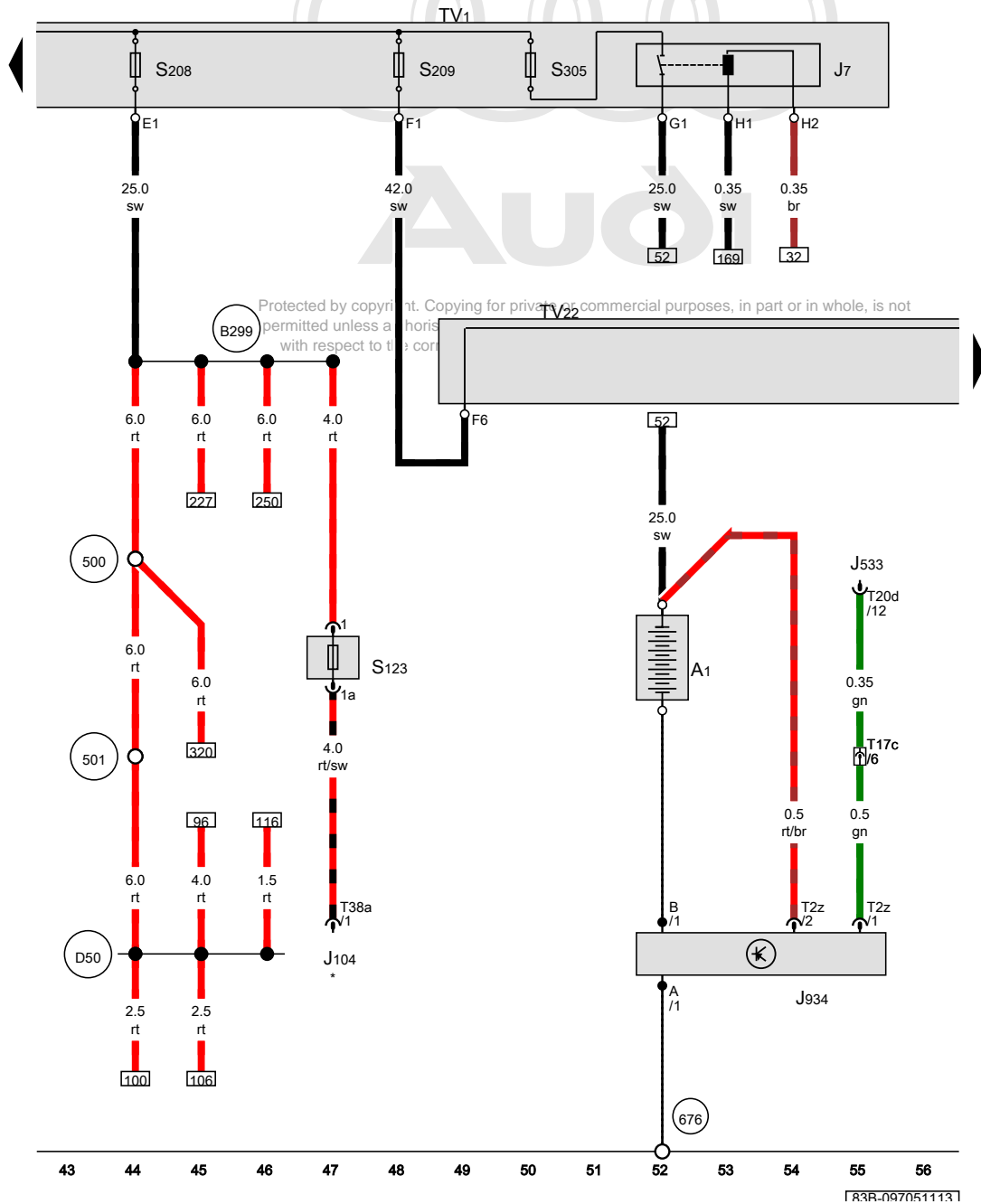
Starter battery switch-over relay, Trailer fuse (terminal 30), B+, Fuse 4 (terminal 30), Wire junction

- J9 Rear window defogger relay
- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- J580 Starter battery switch-over relay
- J623 Engine control module
- S77 Trailer fuse (terminal 30), B+
- S207 Fuse 4 (terminal 30)
- T4aq 4-pin connector, black
- T17r 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- TV1 Wire junction
- T105 105-pin connector
- 50 Ground connection in luggage compartment, left
- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- B272 Positive connection (30) (in main wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B492 Positive connection 3 (15) (in interior wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Refer to applicable wiring diagram for trailer prewiring
- \*3 Refer to applicable engine wiring diagram

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[83B-097041113]



Auxiliary battery, Battery cut-out relay, Battery monitoring control module 2, Fuse 5 (terminal 30), Fuse 6 (terminal 30), Special purpose vehicle fuse 15, Wire junction, Terminal 30 wire junction 2

- A1 Auxiliary battery
- J7 Battery cut-out relay
- J104 ABS control module
- J533 Data bus on board diagnostic interface
- J934 Battery monitoring control module 2
- S123 ABS control module fuse 1
- S208 Fuse 5 (terminal 30)
- S209 Fuse 6 (terminal 30)
- S305 Special purpose vehicle fuse 15
- T2z Double connector
- T17c 17-pin connector, black
- T20d 20-pin connector
- T38a 38-pin connector
- TV1 Wire junction
- TV22 Terminal 30 wire junction 2

- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- 676 Ground connection 2 in luggage compartment, left
- B299 Positive connection 3 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)
- \* Refer to applicable wiring diagram for ABS

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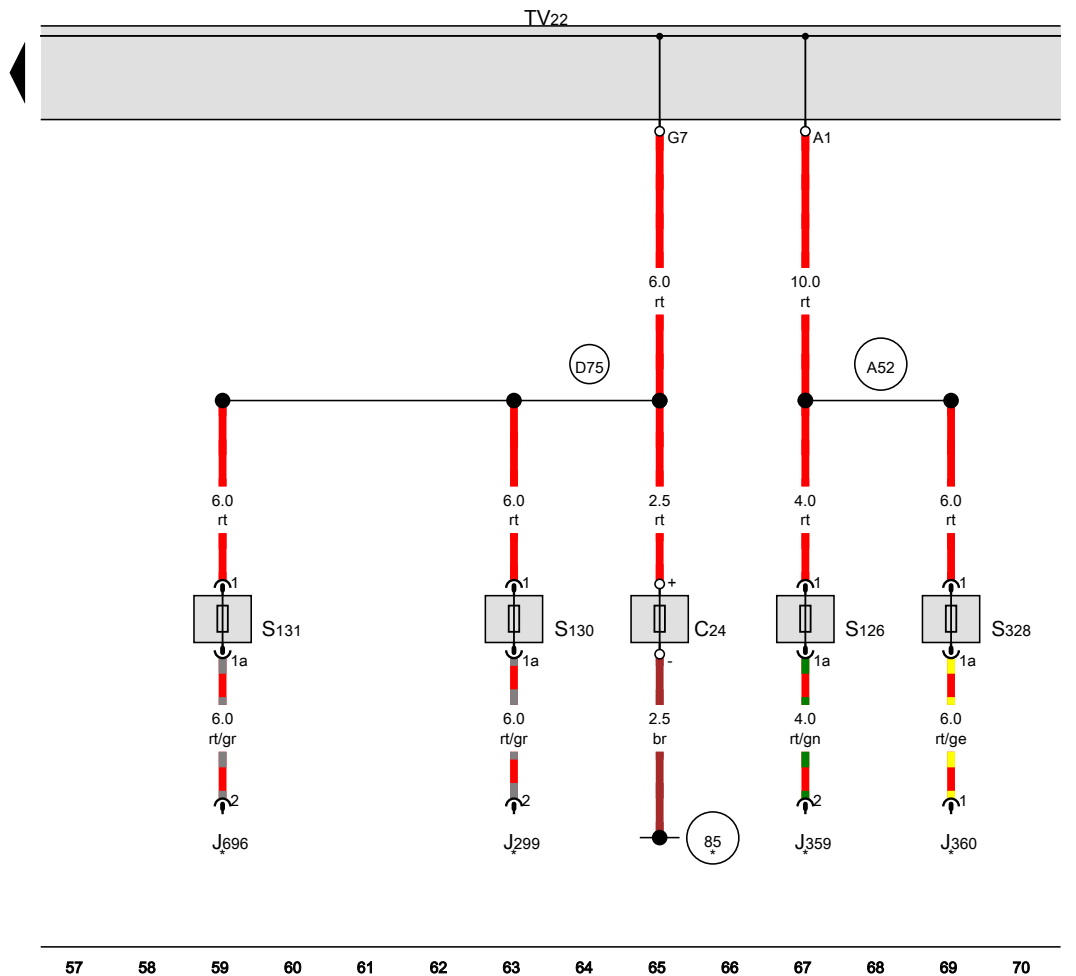
## Terminal 30 wire junction 2

- C24 Suppressor
- J299 Secondary air injection pump relay
- J359 Low heat output relay
- J360 High heat output relay
- J696 Transmission cooling circuit relay
- S126 Auxiliary heater fuse
- S130 Secondary air injection pump fuse
- S131 Safety fuse 1
- S328 Auxiliary heater fuse 2
- TV22 Terminal 30 wire junction 2

- 85 Ground connection 1 (in engine compartment wiring harness)
- A52 Positive connection 2 (30) (in instrument panel wiring harness)
- D75 Positive connection 2 (30) (in engine compartment wiring harness)
- \* Refer to applicable engine wiring diagram

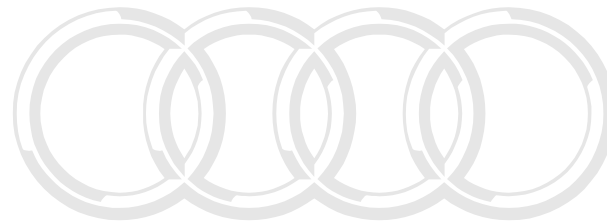
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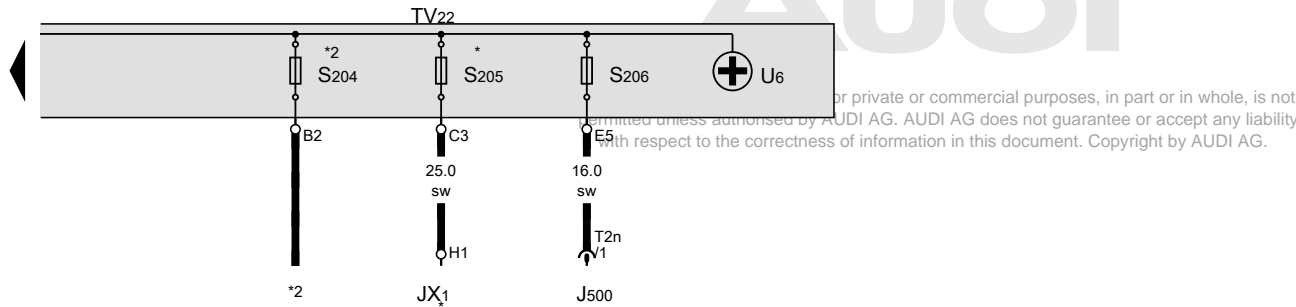




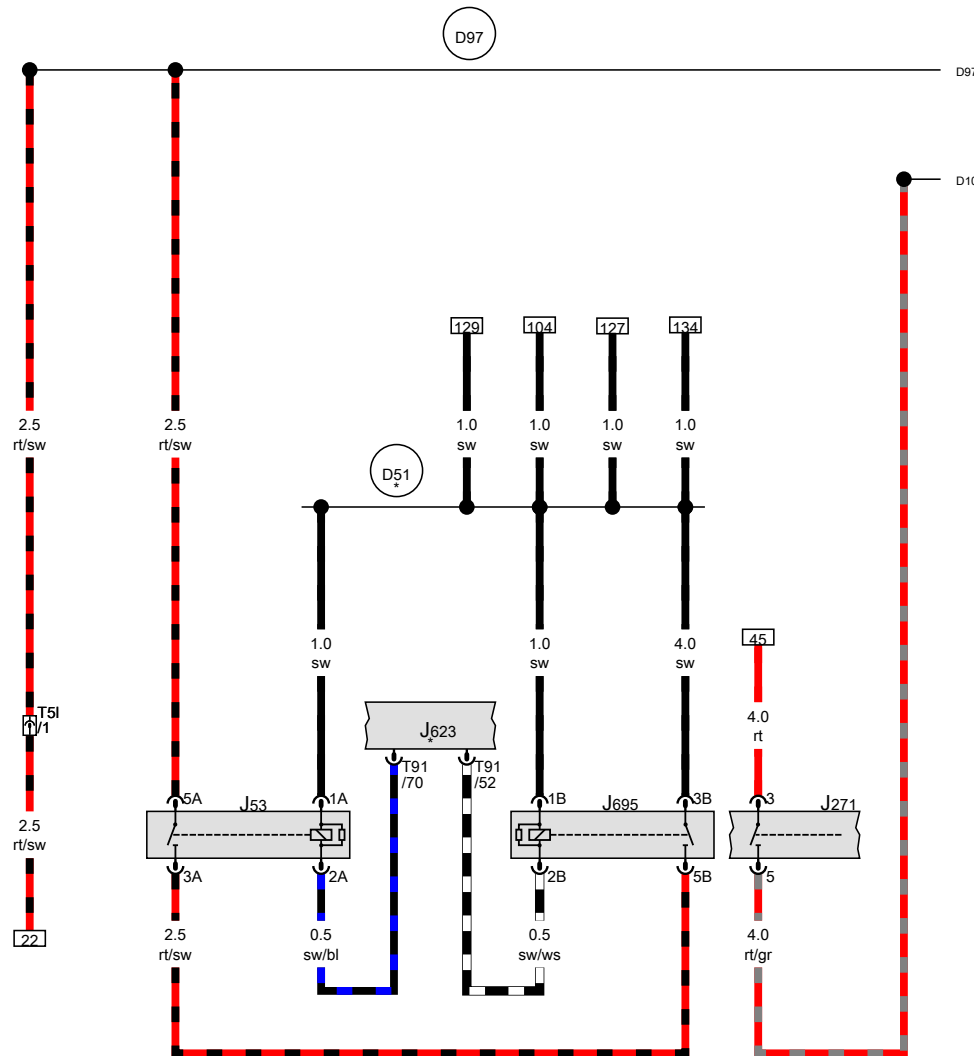
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Fuse 1 (terminal 30), Fuse 2 (terminal 30), Fuse 3 (terminal 30), Terminal 30 wire junction 2, Battery jump start terminal

- JX1 Electric drive power and control electronics
- J500 Power steering control module
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- S206 Fuse 3 (terminal 30)
- T2n Double connector
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable coolant fan wiring diagram



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**Starter relay, Motronic engine control module power supply relay, Engine control module, Relay 2 for starter**

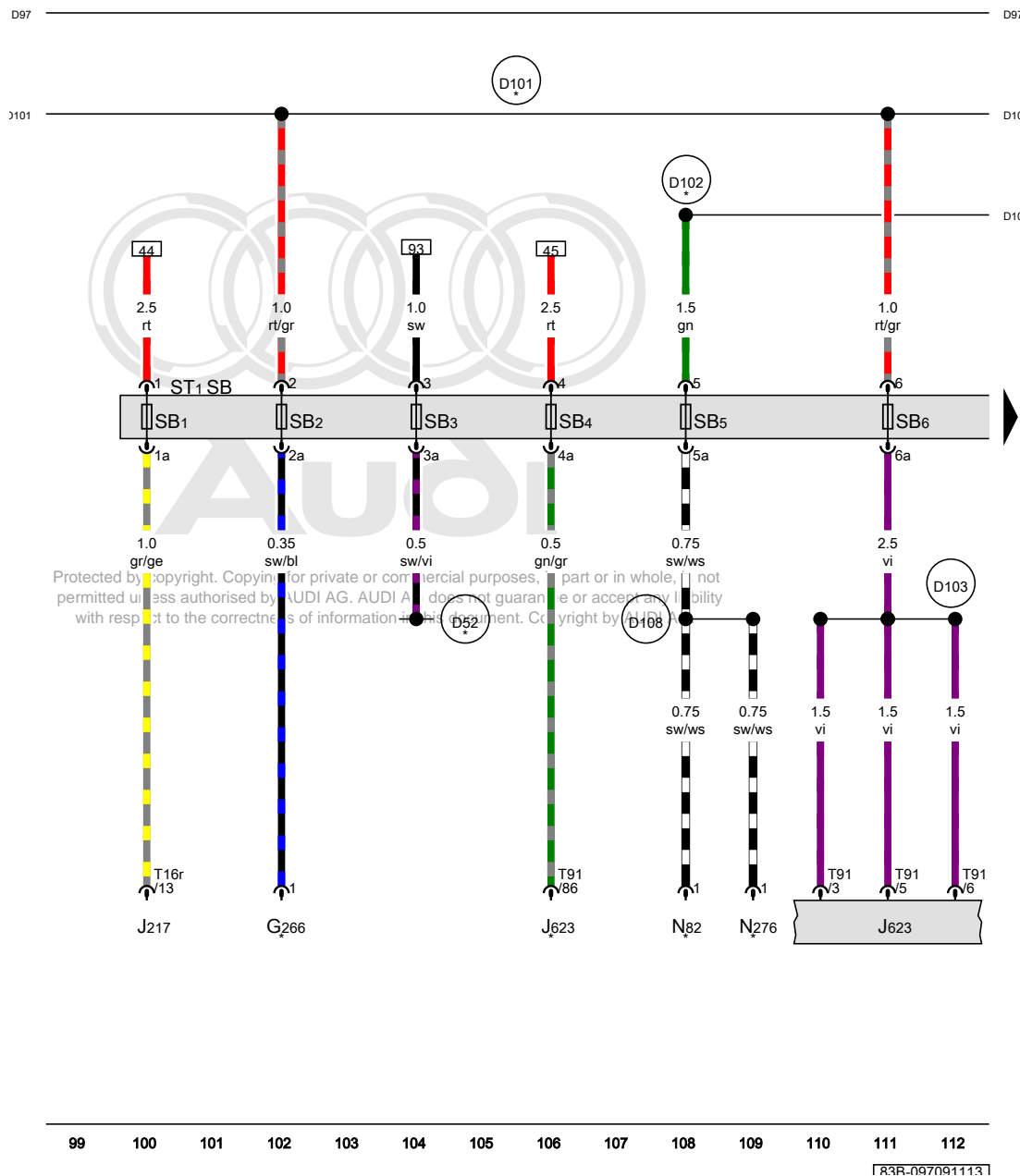
- J53 Starter relay
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J695 Relay 2 for starter
- T51 5-pin connector, black
- T91 91-pin connector

- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)

\* Refer to applicable engine wiring diagram

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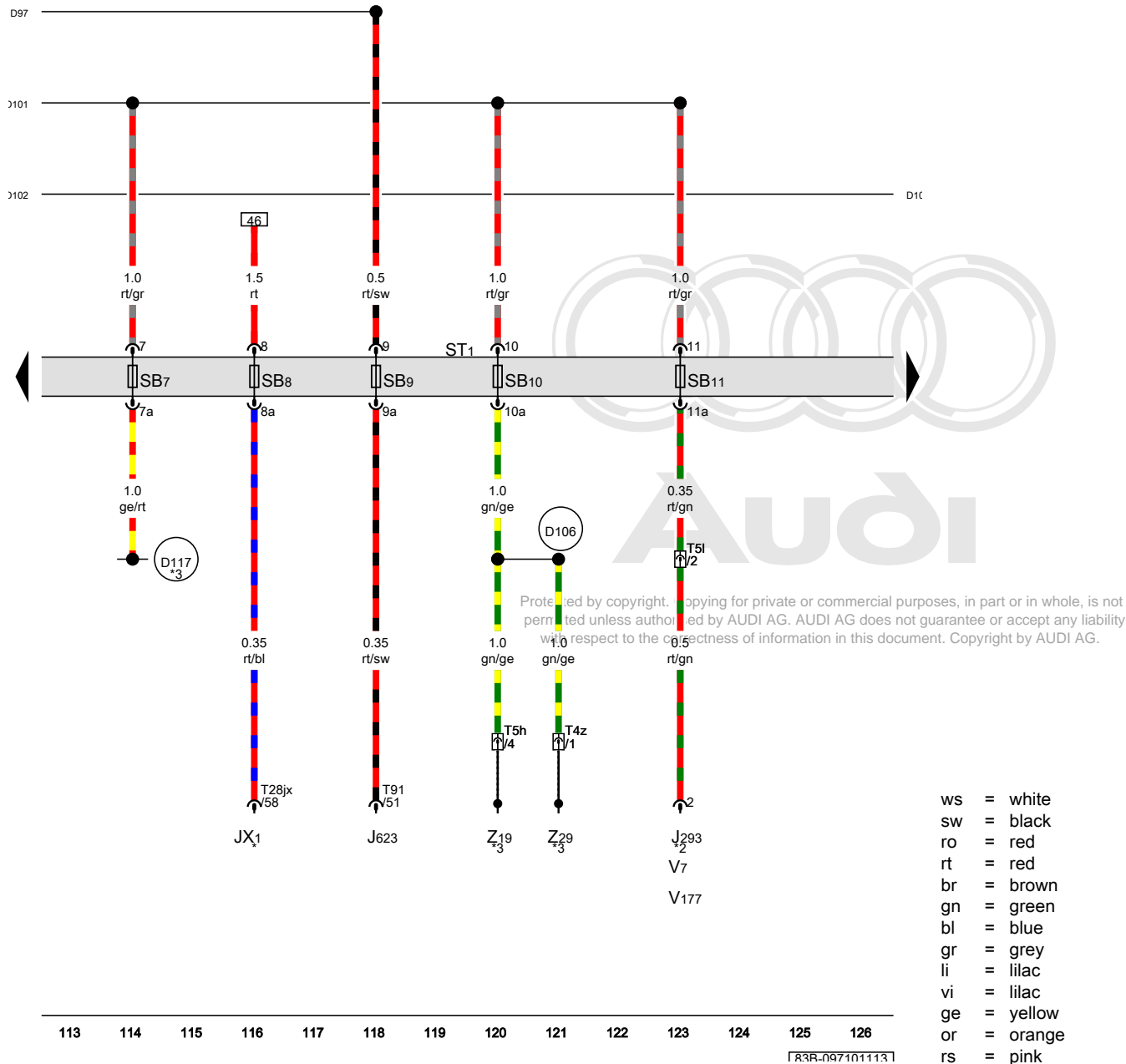
## Fuse panel B, Fuse panel 1

- G266 Oil level thermal sensor
- J217 Transmission control module
- J623 Engine control module
- N82 Coolant shut-off valve
- N276 Fuel pressure regulator valve
- SB Fuse panel B
- SB1 Fuse 1 (on fuse panel B)
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- T16r 16-pin connector
- T91 91-pin connector

- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- D108 Connection 6 (in engine compartment wiring harness)

\* Refer to applicable engine wiring diagram

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### Fuse panel 1

- JX1 Electric drive power and control electronics
- J293 Coolant fan control module
- J623 Engine control module
- ST1 Fuse panel 1
- 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)
- T4z 4-pin connector
- T5h 5-pin connector
- T5l 5-pin connector
- T28jx 28-pin connector
- T91 91-pin connector
- V7 Coolant fan
- V177 Coolant fan 2
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter

- D97 Connection 50 (in right engine compartment wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D102 Connection 2 (in engine compartment wiring harness)
- D106 Connection 4 (in engine compartment wiring harness)
- D117 Connection 15 (in engine compartment wiring harness)
- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable coolant fan wiring diagram
- \*3 Refer to applicable engine wiring diagram

### Fuse panel 1

- J217 Transmission control module
- J500 Power steering control module
- J842 A/C compressor 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
- ST1 Fuse panel 1

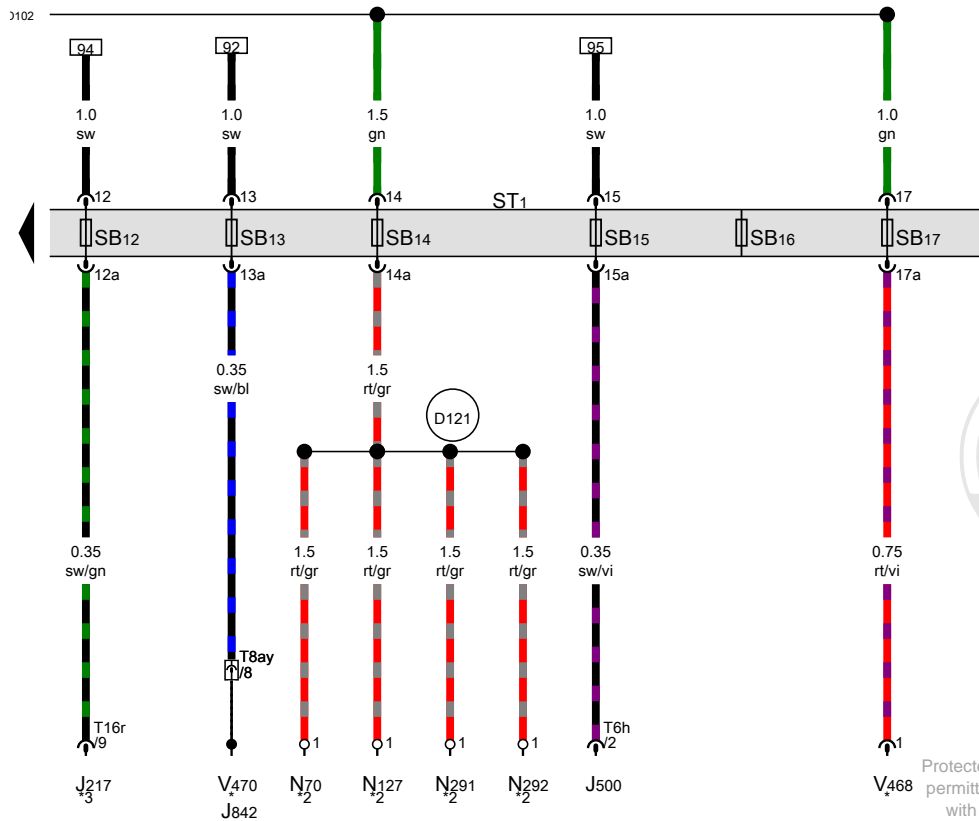
- SB12 Fuse 12 (on fuse panel B)
- SB13 Fuse 13 (on fuse panel B)
- SB14 Fuse 14 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- SB17 Fuse 17 (on fuse panel B)

- T6h 6-pin connector
- T8ay 8-pin connector
- T16r 16-pin connector
- V468 Low temperature circuit coolant pump
- V470 Electrical A/C compressor

D102 Connection 2 (in engine compartment wiring harness)

D121 Connection 19 (in engine compartment wiring harness)

- \* Refer to applicable high voltage system wiring diagram
- \*2 Refer to applicable engine wiring diagram
- \*3 Refer to applicable wiring diagram for automatic transmission



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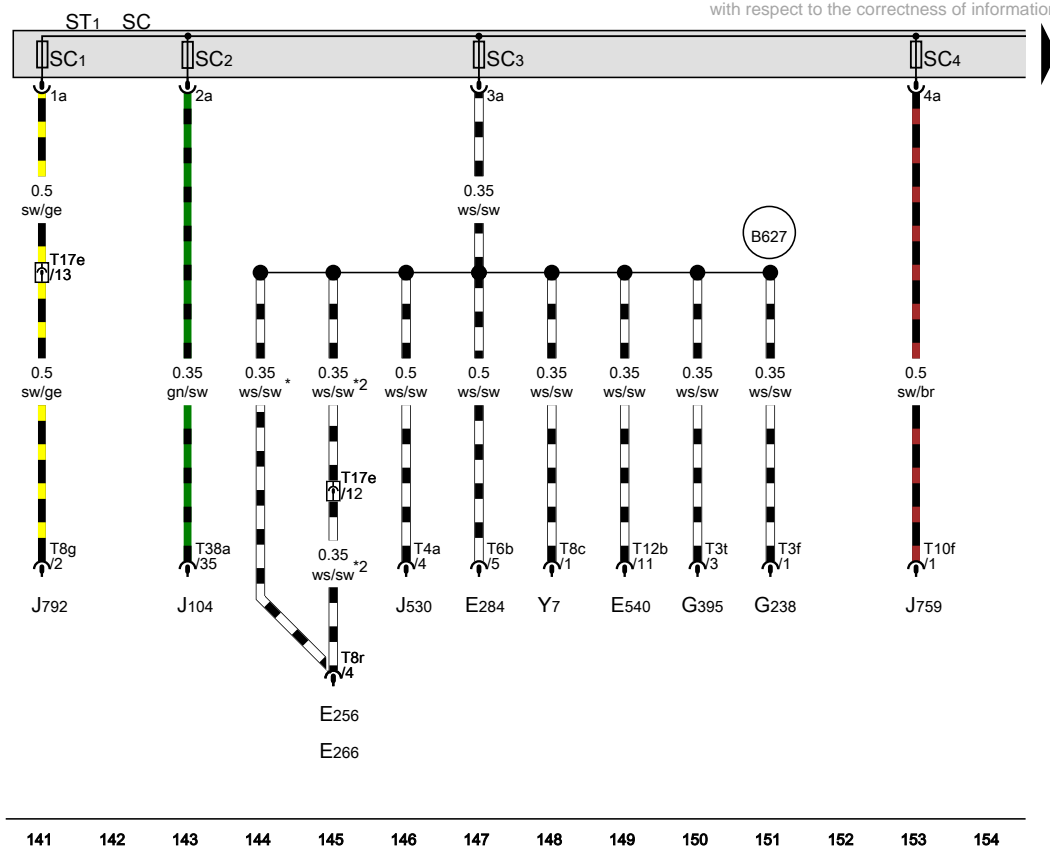
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# Fuse panel C, Fuse panel 1

- E256 ASR/ESP button
- E266 Parking aid button
- E284 Garage door opener control head
- E540 -AUTO HOLD- button
- G238 Air quality sensor
- G395 A/C pressure/temperature sensor
- J104 ABS control module
- J530 Garage door opener control module
- J759 Directional stabilization assistance control module
- J792 Active steering control module
- SC Fuse panel C
- SC1 Fuse 1 (on fuse panel C)
- ST1 Fuse panel 1
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- T3f 3-pin connector
- T3t 3-pin connector
- T4a 4-pin connector
- T6b 6-pin connector
- T8c 8-pin connector
- T8g 8-pin connector
- T8r 8-pin connector
- T10f 10-pin connector
- T12b 12-pin connector
- T17e 17-pin connector, red
- T38a 38-pin connector
- Y7 Automatic dimming interior rearview mirror

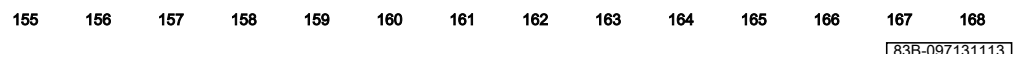
B627 Positive connection 3 (15) (in main wiring harness)

- \* Depending on equipment
- \*2 Only for vehicles with radio navigation system



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

\* Depending on equipment  
\*2 Only for left-hand drive vehicles  
\*3 Only for right-hand drive vehicles



# Fuse panel 1

- G476 Clutch position sensor
- J250 Electronic damping control module
- J345 Towing recognition control module
- J393 Comfort system central control module
- J532 Voltage stabilizer
- J540 Electromechanical parking brake control module
- J769 Lane change assistance control module
- J770 Lane change assistance control module 2
- N110 Shift lock solenoid
- ST1 Fuse panel 1
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- T4h 4-pin connector
- T6g 6-pin connector
- T12aa 12-pin connector
- T12d 12-pin connector
- T12h 12-pin connector
- T12i 12-pin connector
- T16v 16-pin connector
- T30a 30-pin connector
- T32d 32-pin connector
- T47a 47-pin connector

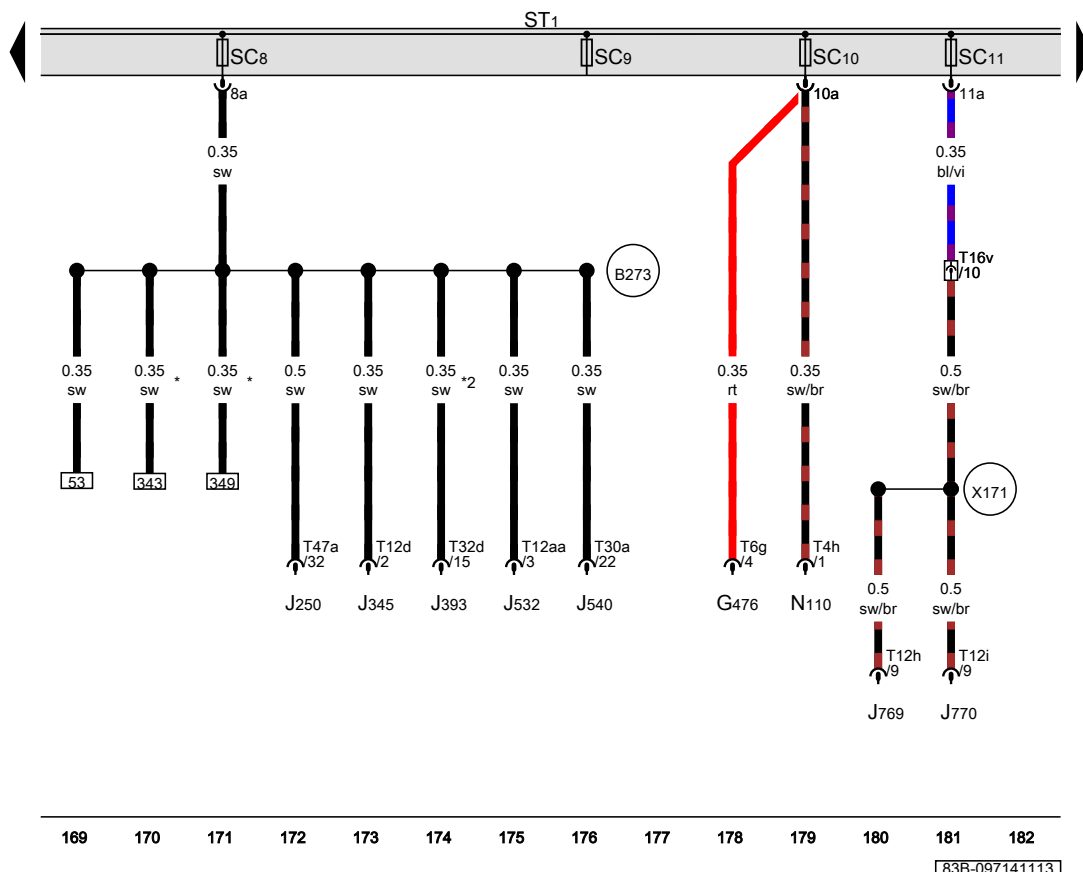
B273 Positive connection (15) (in main wiring harness)

X171 Connection 15 (in rear bumper wiring harness)

- \* Only applies to special purpose vehicles
- \*2 Depending on equipment

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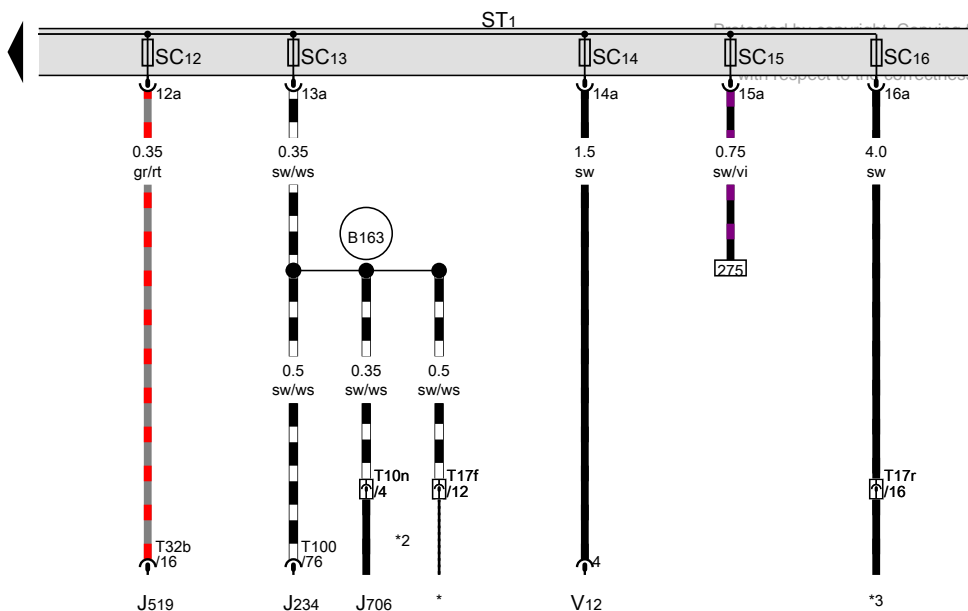
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- sw = black
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- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink





# Fuse panel 1

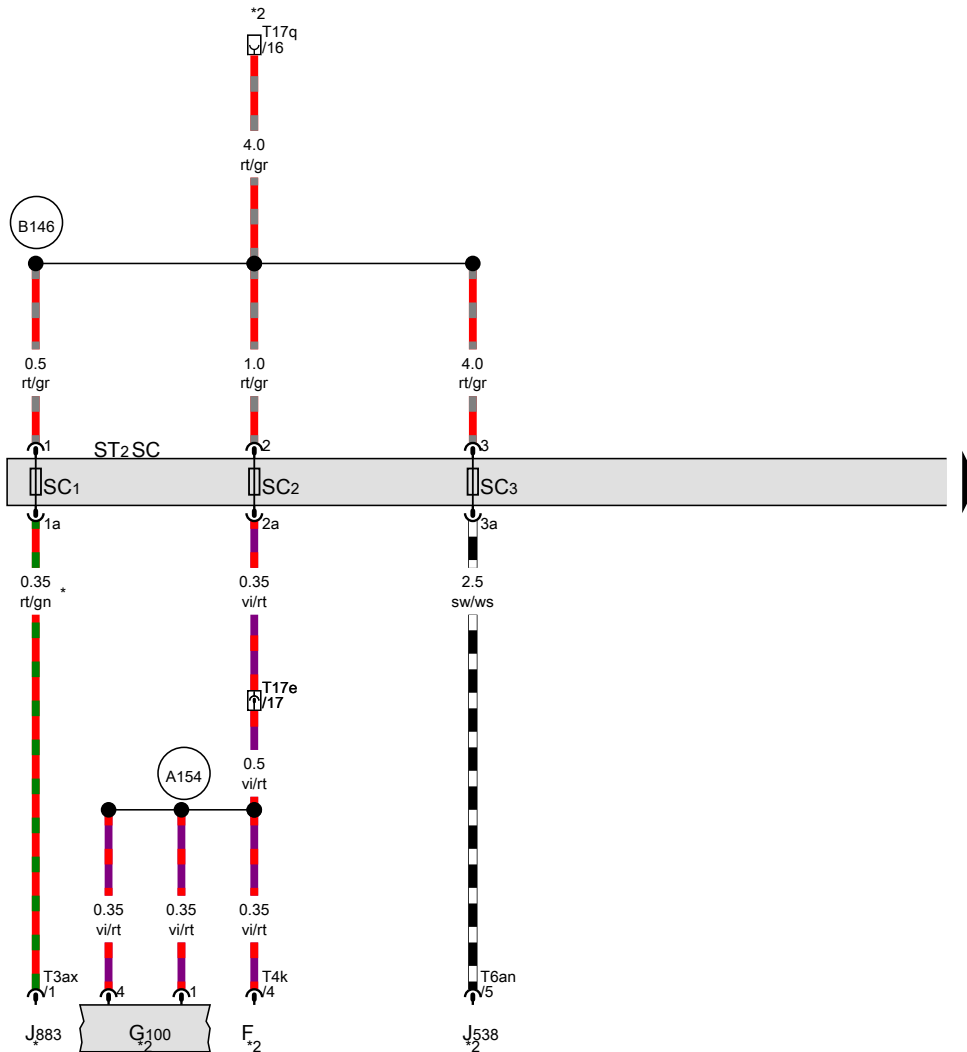
- J234 Airbag control module
- J519 Vehicle electrical system control module
- J706 Passenger occupant detection system control module
- ST1 Fuse panel 1
- SC12 Fuse 12 (on fuse panel C)
- SC13 Fuse 13 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- SC15 Fuse 15 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T10n 10-pin connector, black
- T17f 17-pin connector, in the connector station, right A-pillar
- T17r 17-pin connector, in the E-box
- T32b 32-pin connector
- T100 100-pin connector
- V12 Rear window wiper motor
- B163 Positive connection 1 (15) (in interior wiring harness)



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

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

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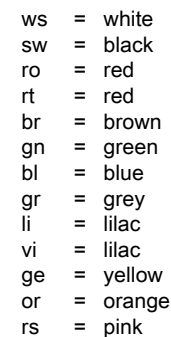
### Fuse panel C, Fuse panel 2

- |      |  |
|------|--|
| F    | Brake lamp switch  |
| G100 | Brake pedal position sensor  |
| J538 | Fuel pump control module   |
| J883 | Exhaust door control unit  |
| SC   | Fuse panel C   |
| SC1  | Fuse 1 (on fuse panel C)   |
| ST2  | Fuse panel 2   |
| SC2  | Fuse 2 (on fuse panel C)   |
| SC3  | Fuse 3 (on fuse panel C)   |
| T3ax | 3-pin connector  |
| T4k  | 4-pin connector  |
| T6an | 6-pin connector  |
| T17e | 17-pin connector   |
| T17q | 17-pin connector, in the E-box                                     |
| A154 | Brake pedal switch connection (in instrument panel wiring harness) |
| B146 | Positive connection 1 (87) (in interior wiring harness)            |
| *    | Depending on equipment   |
| *2   | Refer to applicable engine wiring diagram                          |

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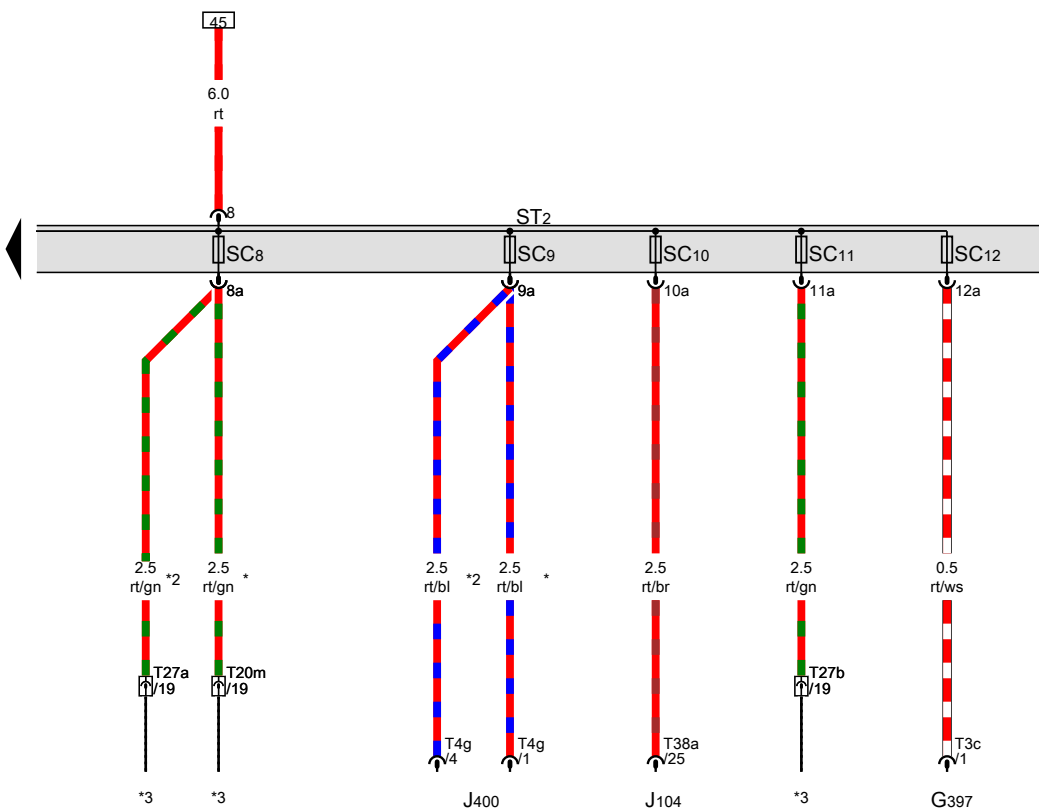
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ro = red  
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vi = lilac  
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J104	ABS control module
J318	Vacuum pump relay
J413	Horn relay
J519	Vehicle electrical system control module
ST2	Fuse panel 2
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)
T6f	6-pin connector
T6l	6-pin connector, green
T38a	38-pin connector
*	Refer to the applicable heated seats wiring diagram
*2	Refer to applicable engine wiring diagram



## Fuse panel 2

- G397 Rain/light recognition sensor
- J104 ABS control module
- J400 Wiper motor control module
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T20m 20-pin connector, Right B-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T27b 27-pin connector, in the left A-pillar connector station
- T38a 38-pin connector
- \* Only for right-hand drive vehicles
- \*2 Only for left-hand drive vehicles
- \*3 Refer to applicable convenience system wiring diagram

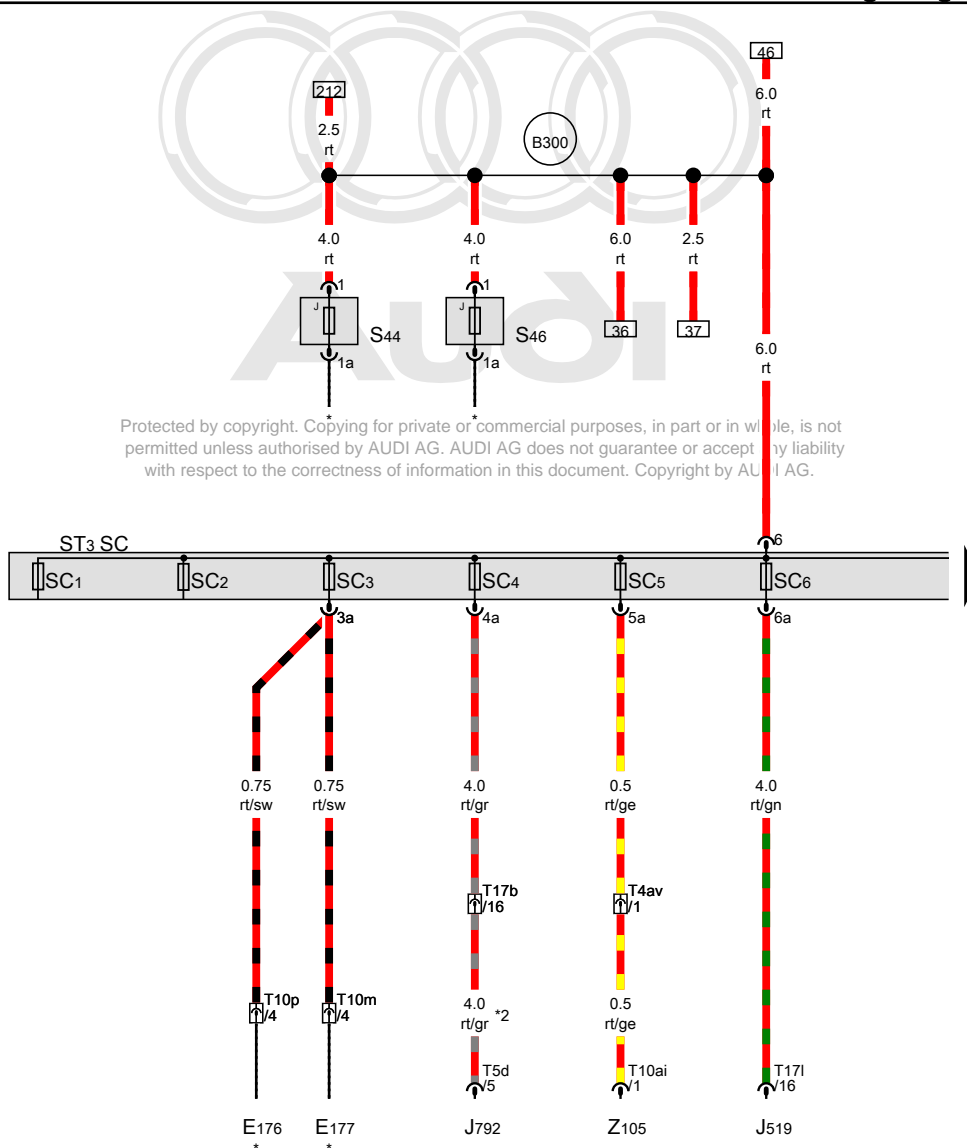


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- or = orange
- rs = pink

225 226 227 228 229 230 231 232 233 234 235 236 237 238

[A3B-097181113]



### Fuse panel C, Fuse panel 3

- E176 Driver seat lumbar support adjustment switch
- E177 Front passenger seat lumbar support adjustment switch
- J519 Vehicle electrical system control module
- J792 Active steering control module
- SC Fuse panel C
- SC1 Fuse 1 (on fuse panel C)
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- ST3 Fuse panel 3
- SC4 Fuse 4 (on fuse panel C)
- SC5 Fuse 5 (on fuse panel C)
- SC6 Fuse 6 (on fuse panel C)
- S44 Driver power seat adjustment circuit breaker 1
- S46 Front passenger power seat adjustment circuit breaker 1
- T4av 4-pin connector
- T5d 5-pin connector
- T10ai 10-pin connector
- T10m 10-pin connector, in the coupling point for the right front seat
- T10p 10-pin connector, in the coupling point for the left front seat
- T17b 17-pin connector, in the left A-pillar connector station
- T17i 17-pin connector
- Z105 Cupholder with heating and cooling element

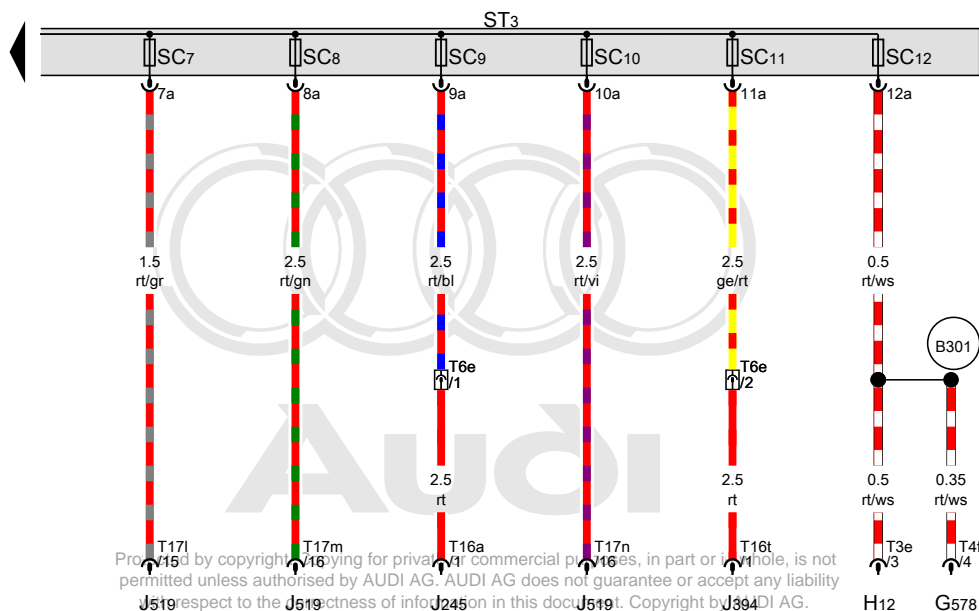
B300 Positive connection 4 (30) (in main wiring harness)

- \* Refer to applicable seat adjustment wiring diagram
- \*2 The color of the wires depends on vehicle equipment

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

### Fuse panel 3

- G578 Anti-theft alarm system sensor
- H12 Alarm horn
- J245 Power sunroof control module
- J394 Roof shade control module
- J519 Vehicle electrical system control module
- ST3 Fuse panel 3
- SC7 Fuse 7 (on fuse panel C)
- SC8 Fuse 8 (on fuse panel C)
- SC9 Fuse 9 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC11 Fuse 11 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3e 3-pin connector
- T4f 4-pin connector
- T6e 6-pin connector, on the right front roof frame
- T16a 16-pin connector
- T16t 16-pin connector
- T17l 17-pin connector
- T17m 17-pin connector
- T17n 17-pin connector
- (B301) Positive connection 5 (30) (in main wiring harness)



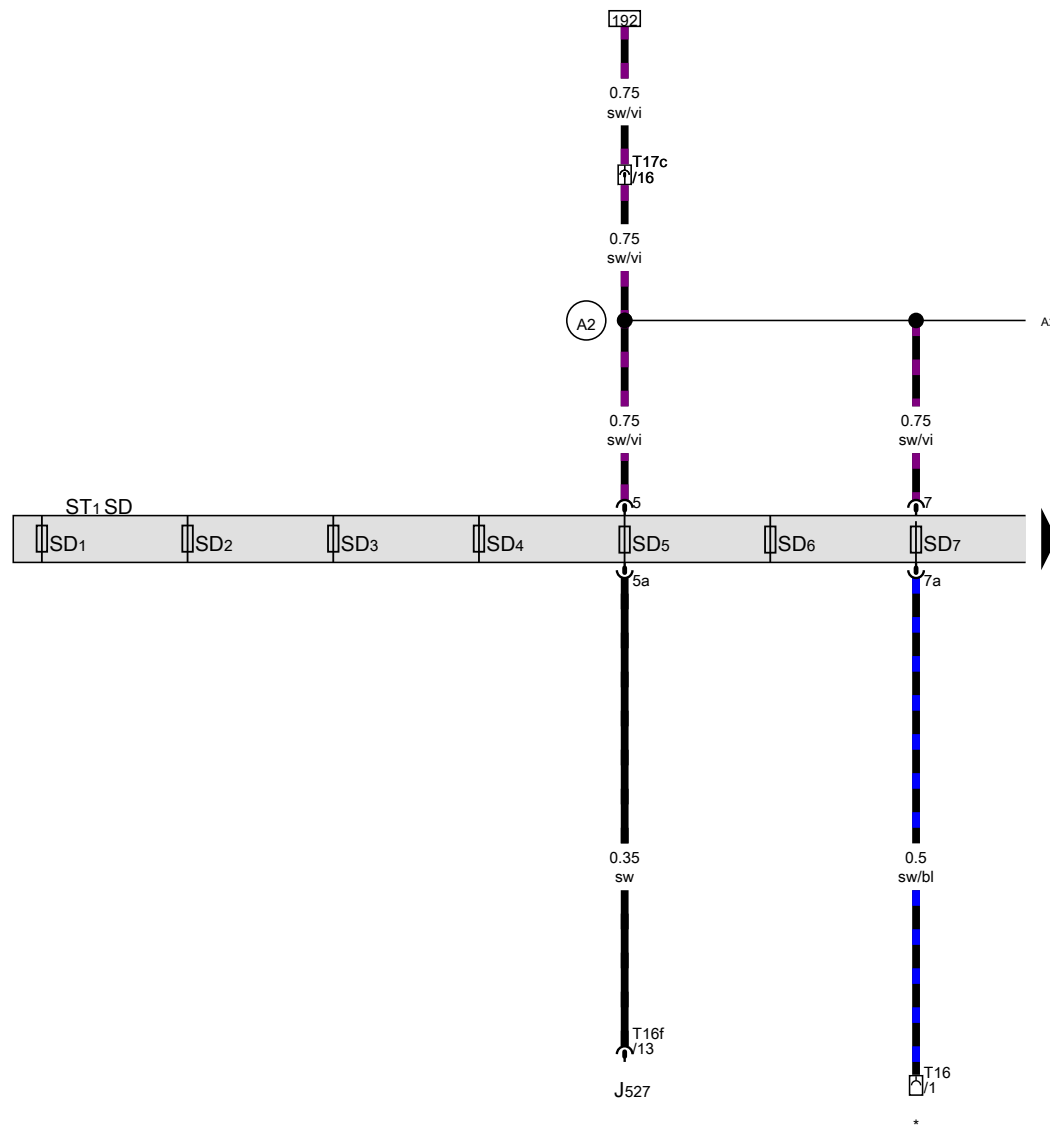
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 sw = black  
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 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

253 254 255 256 257 258 259 260 261 262 263 264 265 266

[A3B-097201113]

# Fuse panel D, Fuse panel 1

- J527 Steering column electronics control module
- SD Fuse panel D
- SD1 Fuse 1 (on fuse panel D)
- ST1 Fuse panel 1
- SD2 Fuse 2 (on fuse panel D)
- SD3 Fuse 3 (on fuse panel D)
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- SD7 Fuse 7 (on fuse panel D)
- T16 16-pin connector
- T16f 16-pin connector
- T17c 17-pin connector, in the left A-pillar connector station
- A2 Positive connection (15) (in instrument panel wiring harness)
- \* Diagnostic connector



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- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

### Fuse panel 1

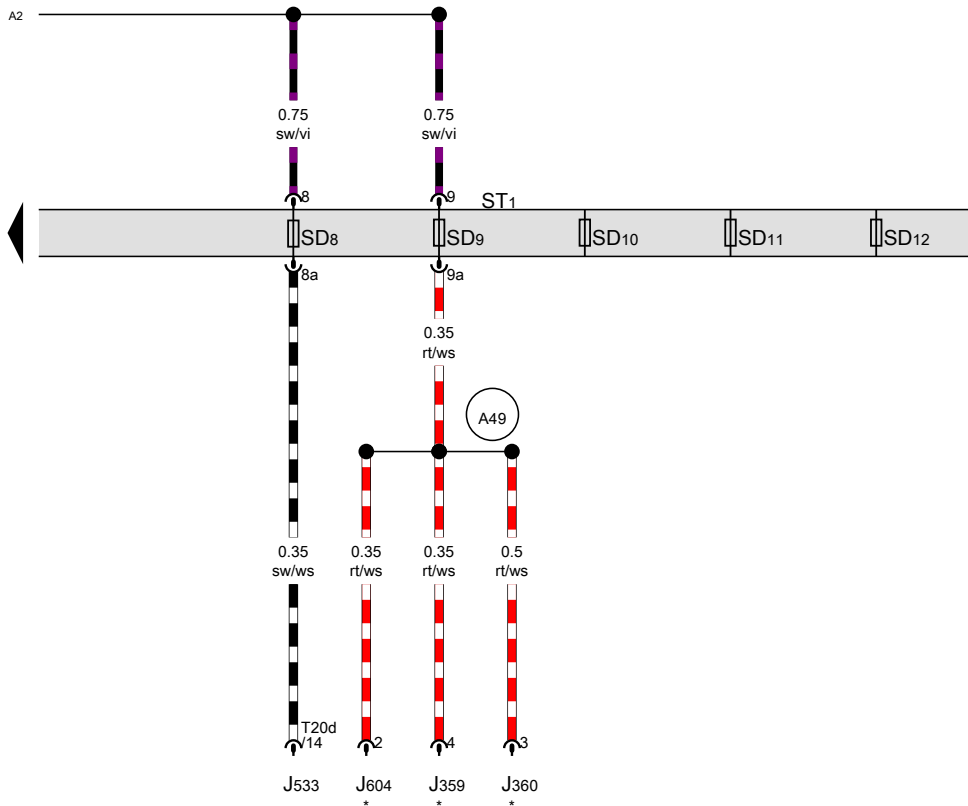
- J359 Low heat output relay
- J360 High heat output relay
- J533 Data bus on board diagnostic interface
- J604 Auxiliary air heater control module
- ST1 Fuse panel 1
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T20d 20-pin connector

- A2 Positive connection (15) (in instrument panel wiring harness)
- A49 Connection 1 (in instrument panel wiring harness)
- \* Refer to applicable engine wiring diagram



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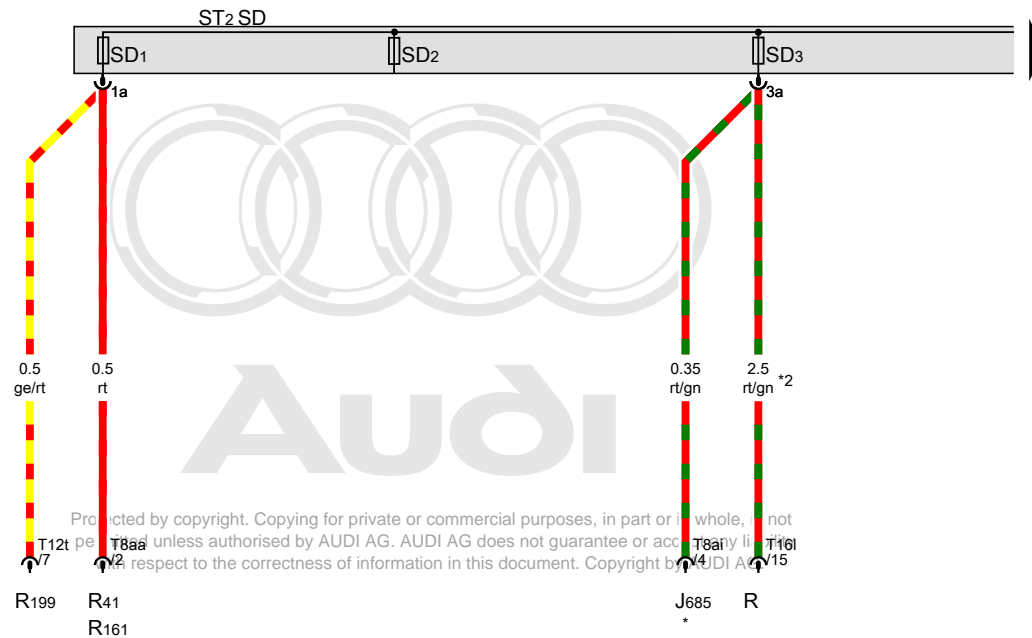
281 282 283 284 285 286 287 288 289 290 291 292 293 294

[A3B-097221113]



# Fuse panel D, Fuse panel 2

- J685 Front information display control head
- R Radio, black
- R41 CD changer
- R161 DVD changer
- R199 External audio source connection
- SD Fuse panel D
- SD1 Fuse 1 (on fuse panel D)
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T8aa 8-pin connector
- T8ai 8-pin connector
- T12t 12-pin connector
- T16l 16-pin connector
- \* Refer to applicable MMI (information electronics) wiring diagram
- \*2 Diameter depends on equipment

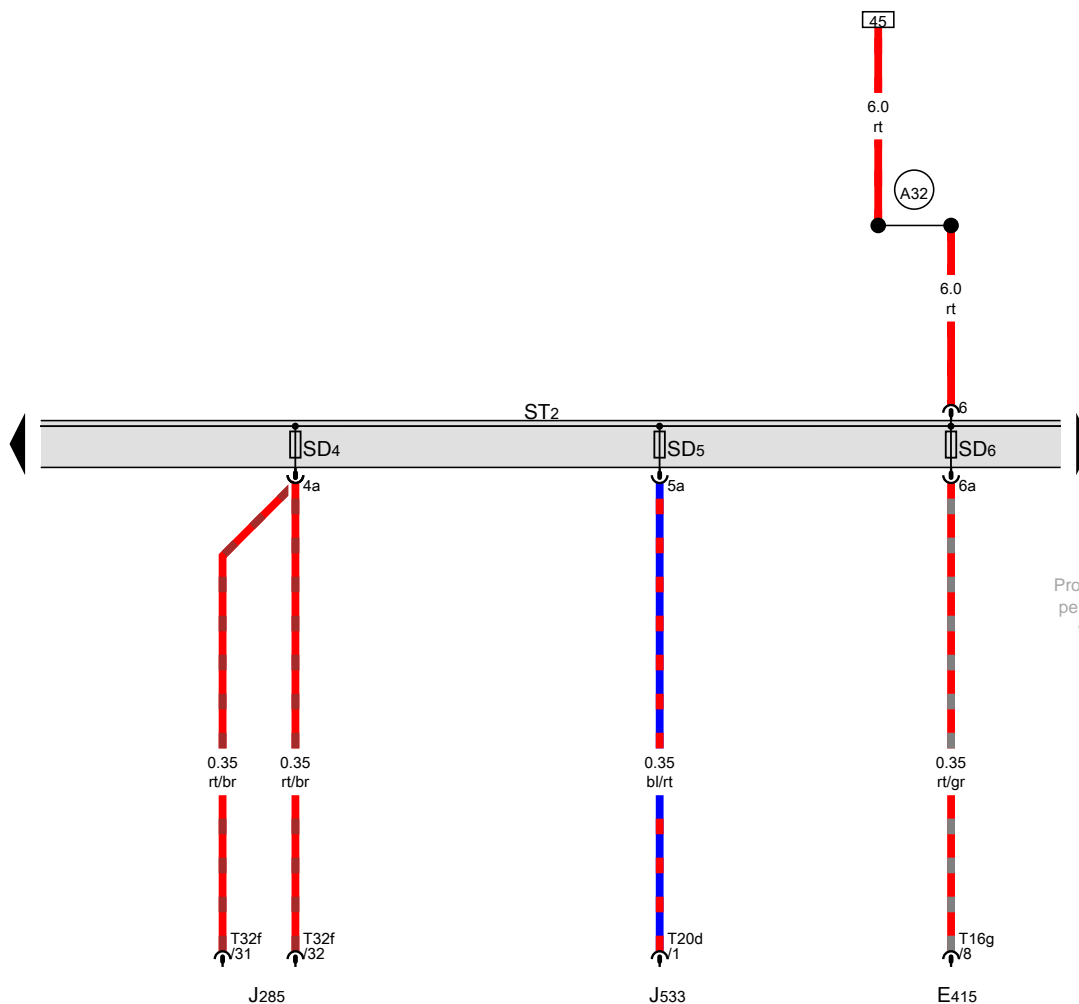


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sw = black  
ro = red  
rt = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
vi = lilac  
ge = yellow  
or = orange  
rs = pink

## Fuse panel 2

- E415 Access/start authorization switch
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- SD6 Fuse 6 (on fuse panel D)
- T16g 16-pin connector
- T20d 20-pin connector
- T32f 32-pin connector

A32 Positive connection (30) (in instrument panel wiring harness)

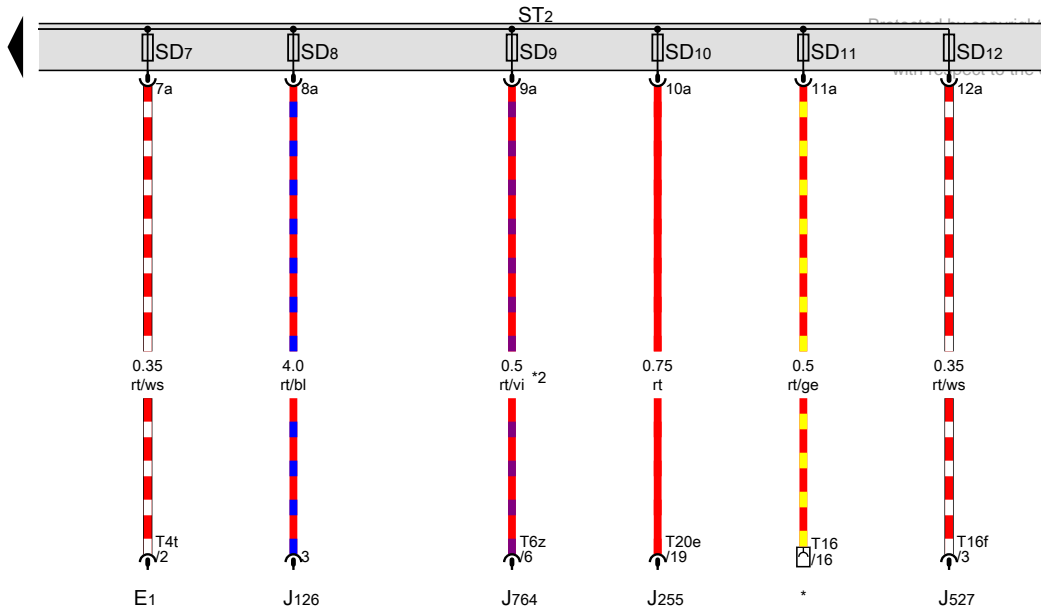


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 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink

### Fuse panel 2

- E1 Light switch
- J126 Fresh air blower control module
- J255 Climatronic control module
- J527 Steering column electronics control module
- J764 Electronic steering column lock control module
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- SD8 Fuse 8 (on fuse panel D)
- SD9 Fuse 9 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- SD11 Fuse 11 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T4t 4-pin connector
- T6z 6-pin connector
- T16 16-pin connector
- T16f 16-pin connector
- T20e 20-pin connector
- \* Diagnostic connector



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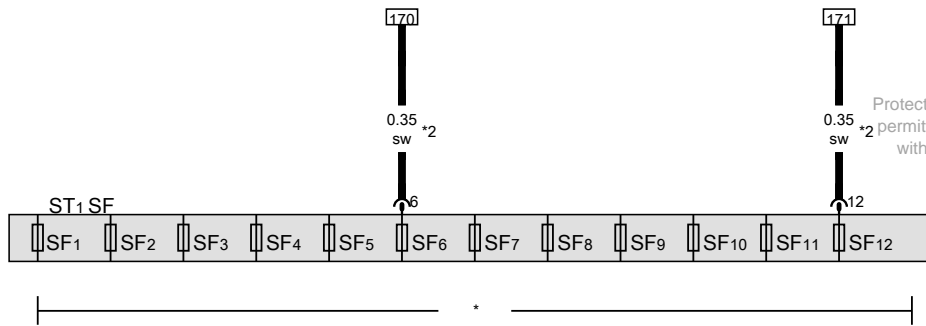
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[83B.097251113]

### Fuse panel F, Fuse panel 1

SF	Fuse panel F
ST1	Fuse panel 1
SF1	Fuse 1 (on fuse panel F)
SF2	Fuse 2 (on fuse panel F)
SF3	Fuse 3 (on fuse panel F)
SF4	Fuse 4 (on fuse panel F)
SF5	Fuse 5 (on fuse panel F)
SF6	Fuse 6 (on fuse panel F)
SF7	Fuse 7 (on fuse panel F)
SF8	Fuse 8 (on fuse panel F)
SF9	Fuse 9 (on fuse panel F)
SF10	Fuse 10 (on fuse panel F)
SF11	Fuse 11 (on fuse panel F)
SF12	Fuse 12 (on fuse panel F)

Refer to applicable special purpose vehicles wiring diagram  
\* Only applies to special purpose vehicles



ws = white  
sw = black  
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rt = red  
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vi = lilac  
ge = yellow  
or = orange  
rs = pink

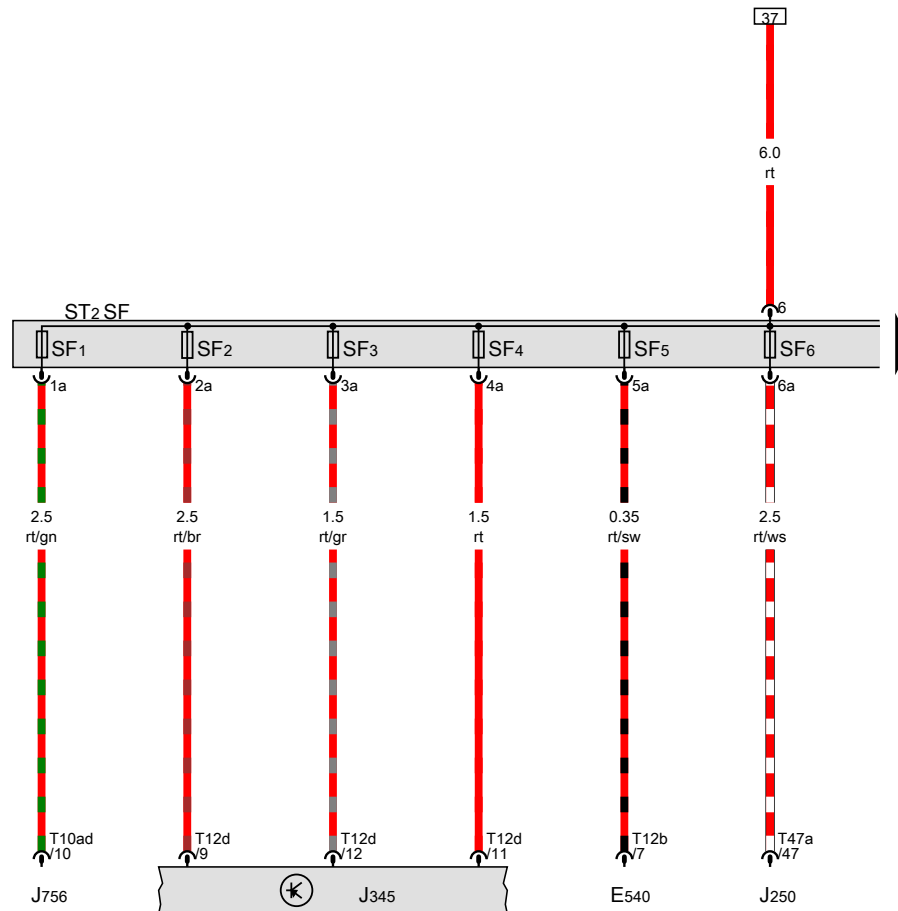
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[83B-097261113]

# Fuse panel F, Fuse panel 2

- E540 -AUTO HOLD- button
- J250 Electronic damping control module
- J345 Towing recognition control module
- J756 Rear lid control module 2
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- ST2 Fuse panel 2
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)
- T10ad 10-pin connector
- T12b 12-pin connector
- T12d 12-pin connector
- T47a 47-pin connector

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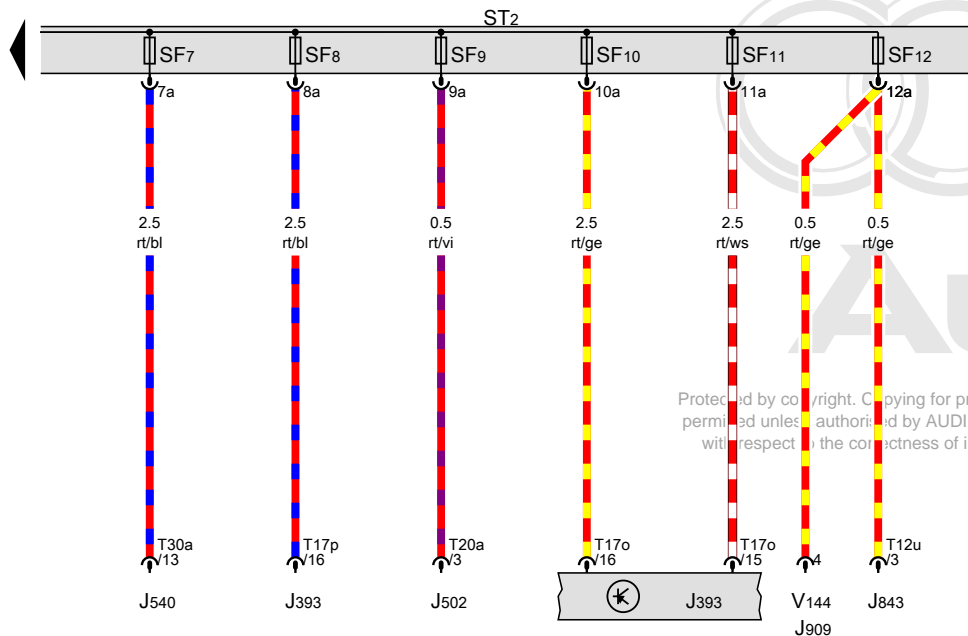


351 352 353 354 355 356 357 358 359 360 361 362 363 364

[83B-097271113]

## Fuse panel 2

- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- J540 Electromechanical parking brake control module
- J843 Vehicle positioning system interface control module
- J909 Fuel tank leak detection control module
- ST2 Fuse panel 2
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12u 12-pin connector
- T17o 17-pin connector
- T17p 17-pin connector
- T20a 20-pin connector
- T30a 30-pin connector
- V144 Leak detection pump
- \* Only for vehicles with US equipment



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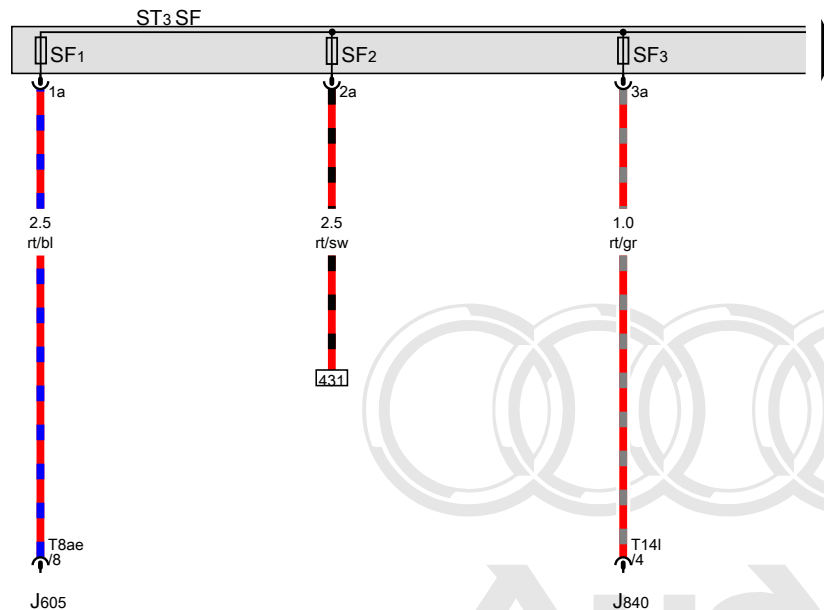
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- gn = green
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- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

365 366 367 368 369 370 371 372 373 374 375 376 377 378

[83B-097281113]

# Fuse panel F, Fuse panel 3

- J605 Rear lid control module
- J840 Battery regulation control module
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST3 Fuse panel 3
- T8ae 8-pin connector
- T14l 14-pin connector
- \* Refer to applicable high voltage system wiring diagram



- ws = white
- sw = black
- ro = red
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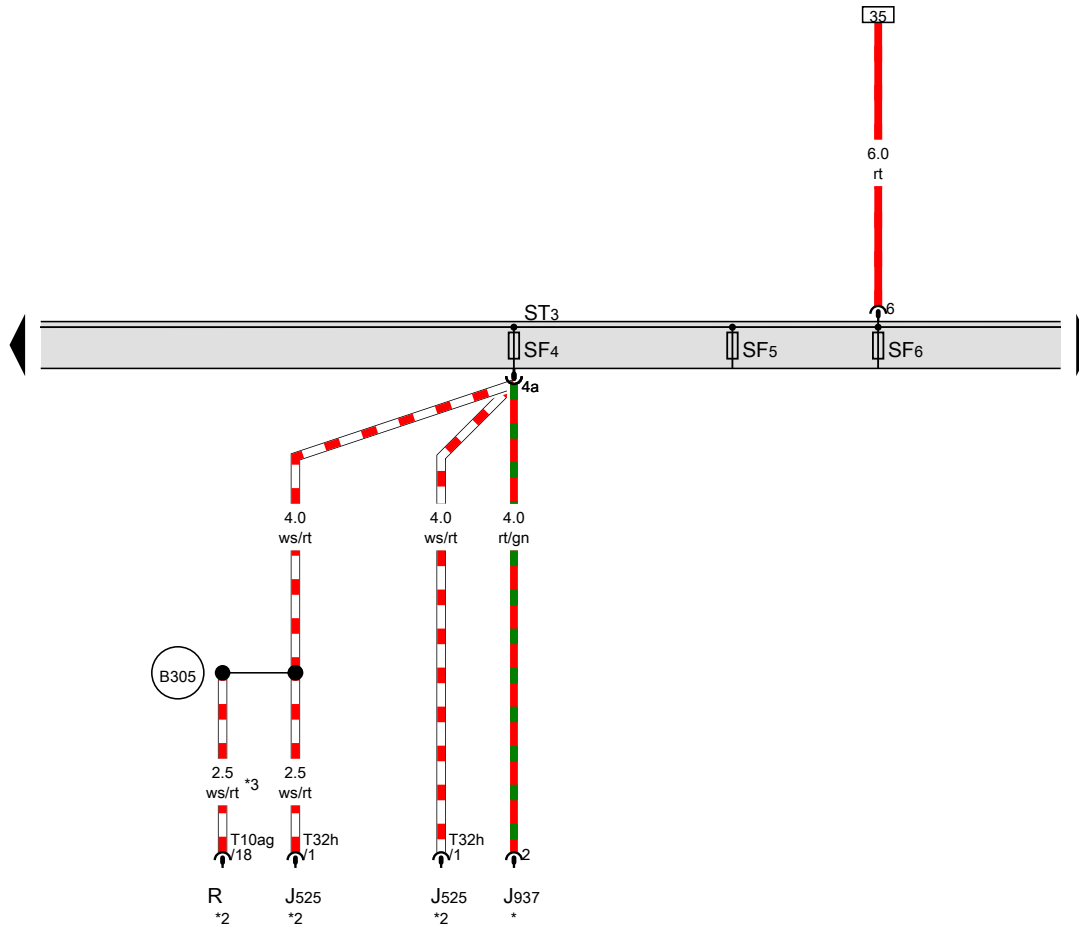
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### Fuse panel 3

J525	Digital sound system control module
J937	Fan activation relay
R	Radio
ST3	Fuse panel 3
SF4	Fuse 4 (on fuse panel F)
SF5	Fuse 5 (on fuse panel F)
SF6	Fuse 6 (on fuse panel F)
T10ag	10-pin connector
T32h	32-pin connector

B305 Positive connection 9 (30) (in main wiring harness)

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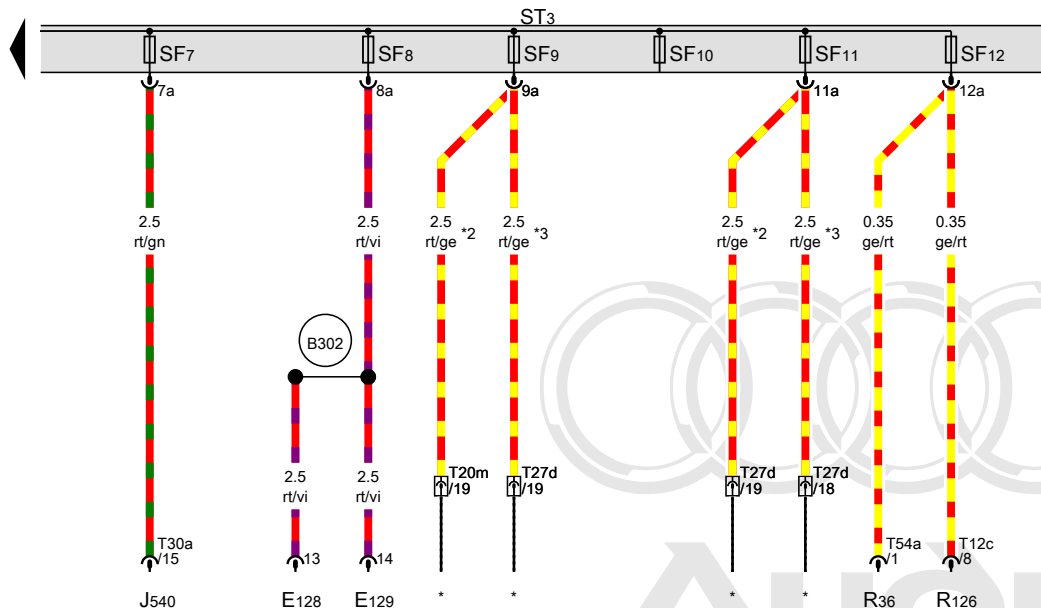


### Fuse panel 3

- E128 Left rear heated seat regulating switch
- E129 Right rear heated seat regulating switch
- J540 Electromechanical parking brake control module
- R36 Telephone transceiver
- R126 Telephone baseplate
- ST3 Fuse panel 3
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T12c 12-pin connector
- T20m 20-pin connector, Right B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom
- T30a 30-pin connector
- T54a 54-pin connector

B302 Positive connection 6 (30) (in main wiring harness)

- \* Refer to applicable convenience system wiring diagram
- \*2 Only for left-hand drive vehicles
- \*3 Only for right-hand drive vehicles

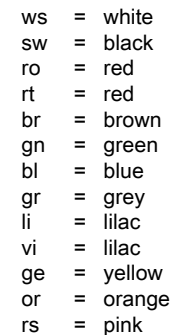


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- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

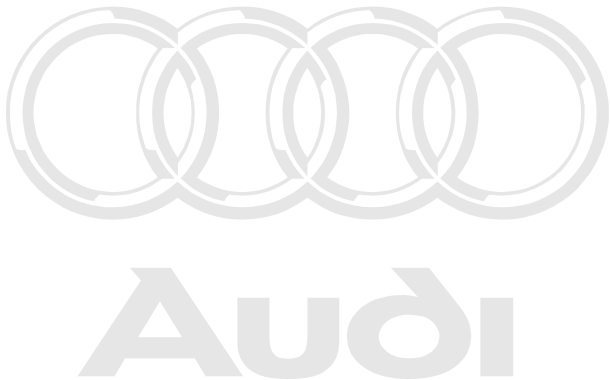
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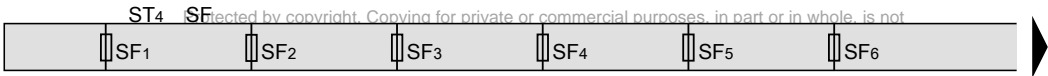


- cardiagn.com



Fuse panel F, Fuse panel 4

- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- ST4 Fuse panel 4
- SF4 Fuse 4 (on fuse panel F)
- SF5 Fuse 5 (on fuse panel F)
- SF6 Fuse 6 (on fuse panel F)



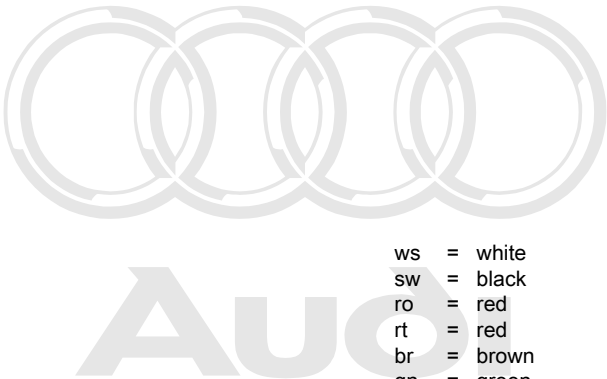
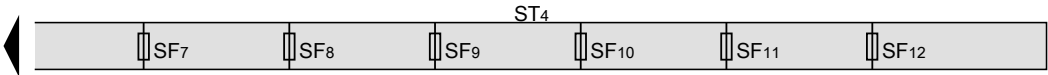
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[83B-097331113]

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

Fuse panel 4

- ST4 Fuse panel 4
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)

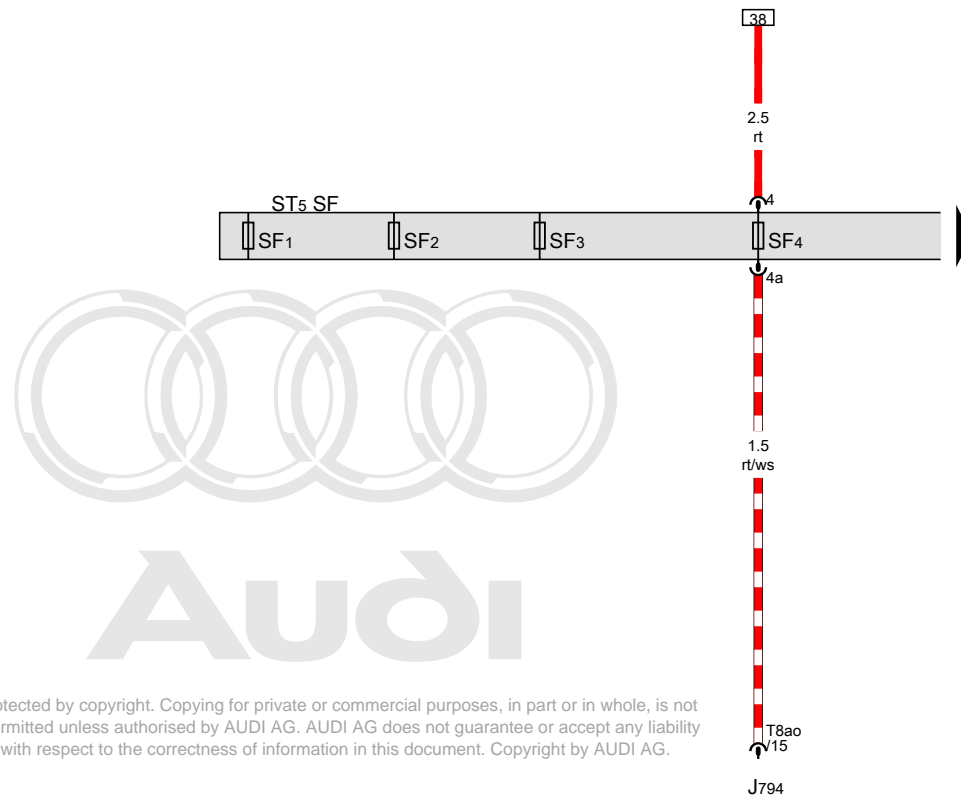


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Fuse panel F, Fuse panel 5

- J794 Information electronics control module 1
- SF Fuse panel F
- SF1 Fuse 1 (on fuse panel F)
- SF2 Fuse 2 (on fuse panel F)
- SF3 Fuse 3 (on fuse panel F)
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T8ao 8-pin connector



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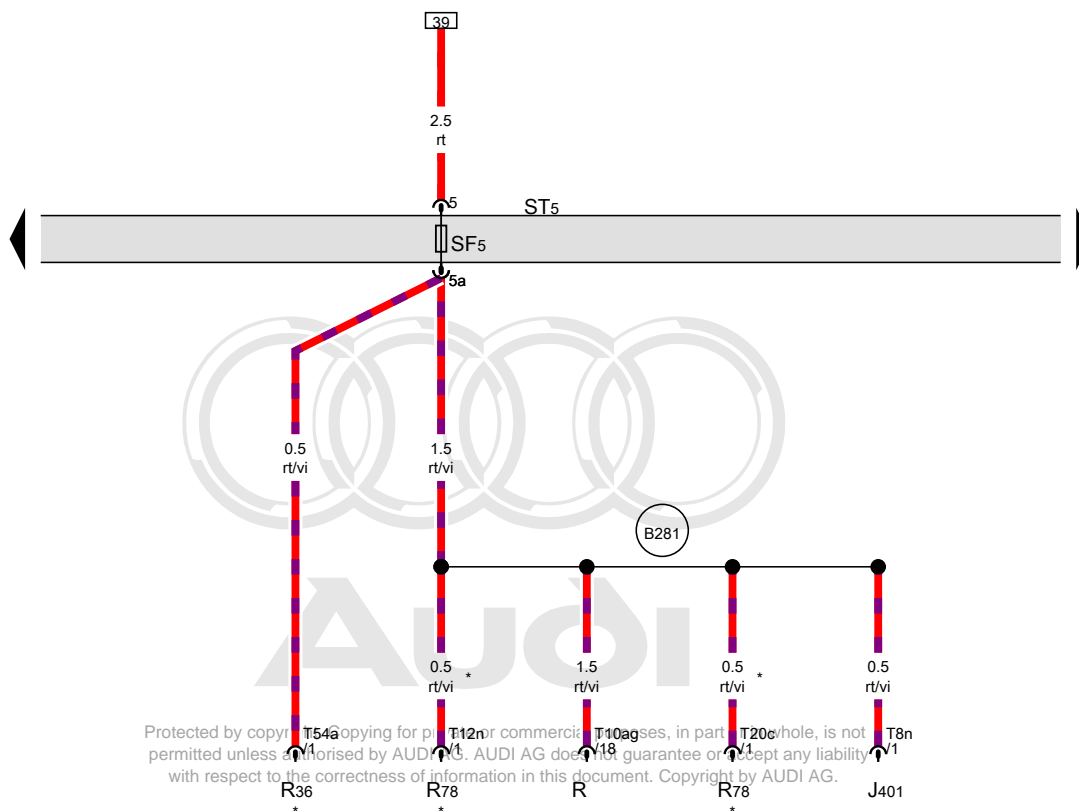
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- vi = lilac
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# Fuse panel 5

- J401 Navigation system with CD drive control module
- R Radio
- R36 Telephone transceiver
- R78 TV tuner
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T8n 8-pin connector
- T10ag 10-pin connector
- T12n 12-pin connector
- T20c 20-pin connector
- T54a 54-pin connector

B281 Positive connection 5 (15a) (in main wiring harness)

\* Depending on equipment

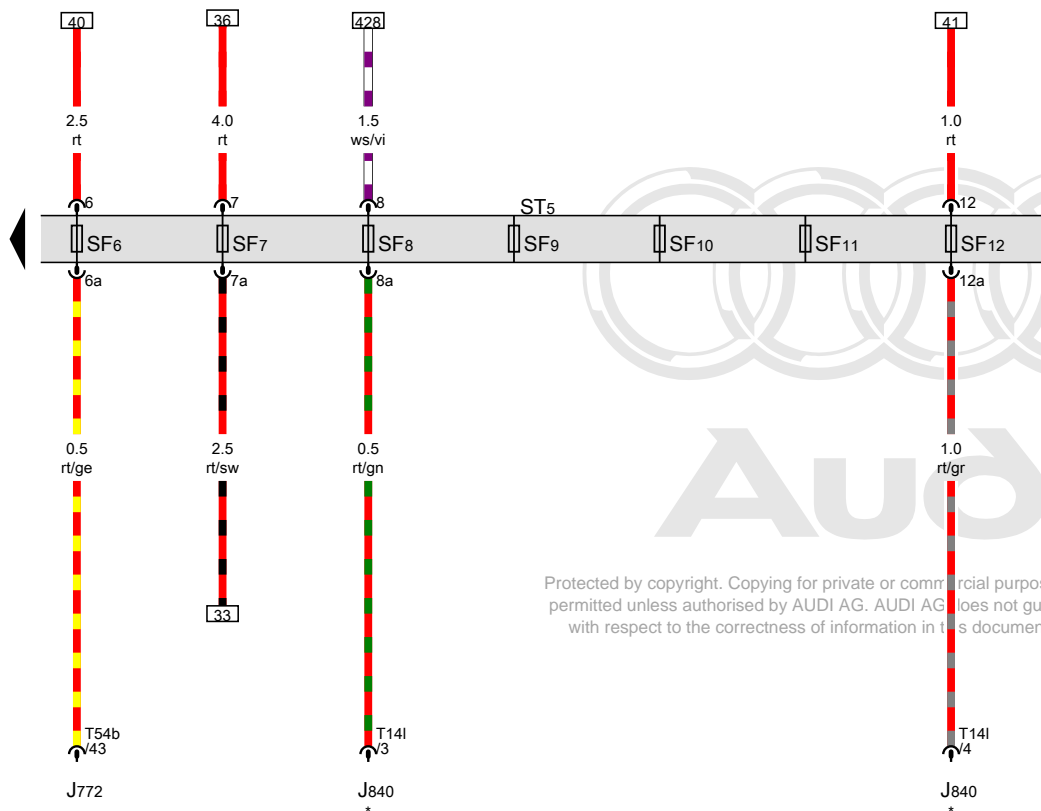


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## Fuse panel 5

- J772 Rearview camera system control module
- J840 Battery regulation control module
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- SF7 Fuse 7 (on fuse panel F)
- SF8 Fuse 8 (on fuse panel F)
- SF9 Fuse 9 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- SF12 Fuse 12 (on fuse panel F)
- T14l 14-pin connector
- T54b 54-pin connector
- \* Refer to applicable high voltage system wiring diagram



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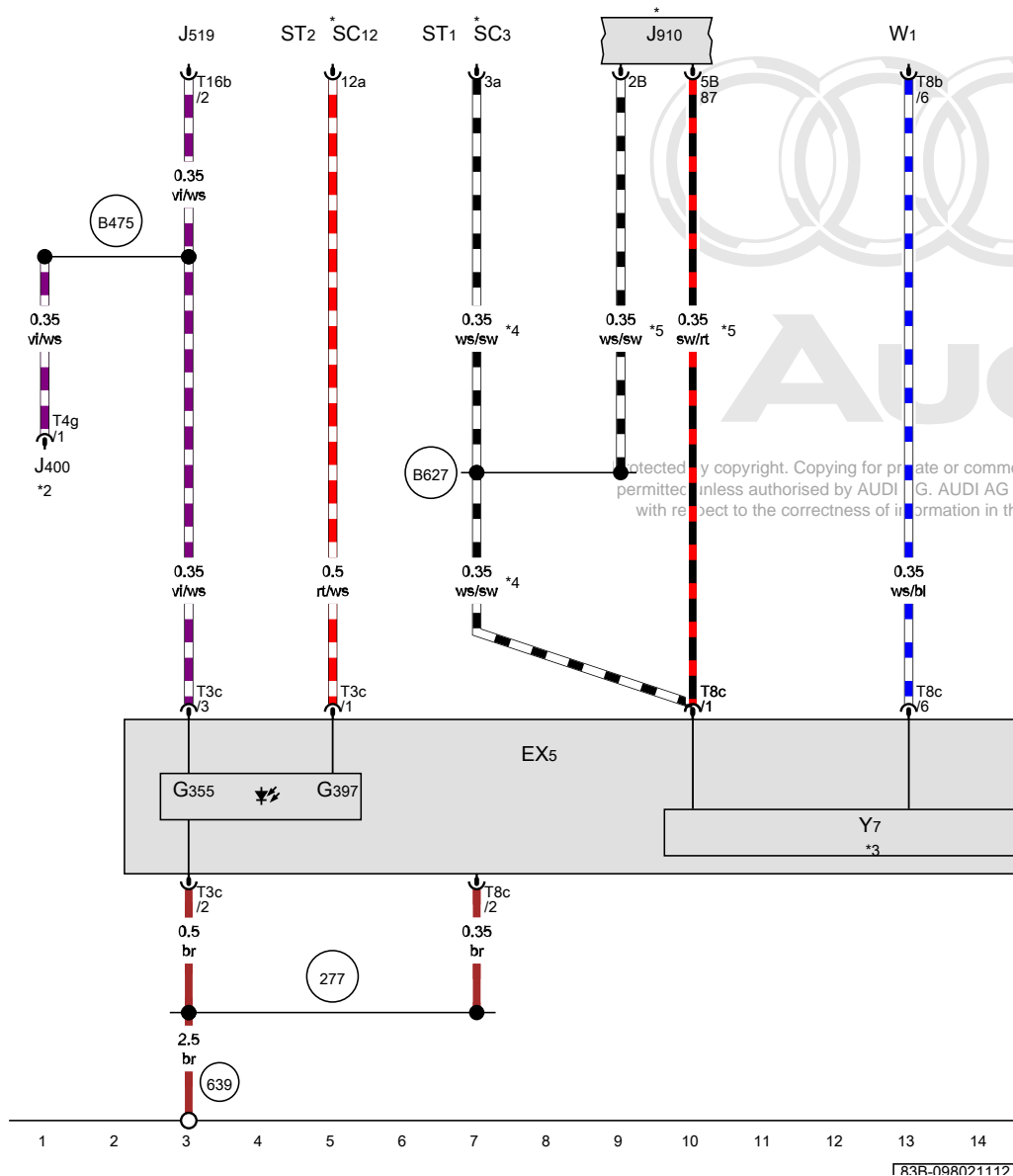
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**Interior rearview mirror**  
from May 2012

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Interior rearview mirror, Humidity sensor, Rain/light recognition sensor, Automatic dimming interior rearview mirror



- EX5 Interior rearview mirror
- G355 Humidity sensor
- G397 Rain/light recognition sensor
- J400 Wiper motor control module
- J519 Vehicle electrical system control module
- J910 Automatic dimming interior rearview mirror relay
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- SC12 Fuse 12 (on fuse panel C)
- T3c 3-pin connector
- T4g 4-pin connector
- T8b 8-pin connector
- T8c 8-pin connector
- T16b 16-pin connector
- W1 Front interior lamp
- Y7 Automatic dimming interior rearview mirror

277 Ground connection 3 (in interior wiring harness)

639 Ground connection on left A-pillar

B475 Connection 11 (in main wiring harness)

B627 Positive connection 3 (15) (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 Only for vehicles with automatic dimming interior rearview mirror
- \*4 Only for vehicles without Start/Stop system
- \*5 Only for vehicles with Start/Stop system

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B477	Connection 13 (in main wiring harness)
B665	CAN bus extended high connection 1 (in instrument panel wiring harness)
B666	CAN bus extended low connection 1 (in instrument panel wiring harness)
B668	CAN bus extended high connection 2 (in main wiring harness)
B669	CAN bus extended low connection 2 (in main wiring harness)
*	Only for vehicles with lane assist
*2	Only for vehicles with high beam assist
*3	Refer to applicable standard equipment wiring diagram
*4	Only for vehicles without high beam assist

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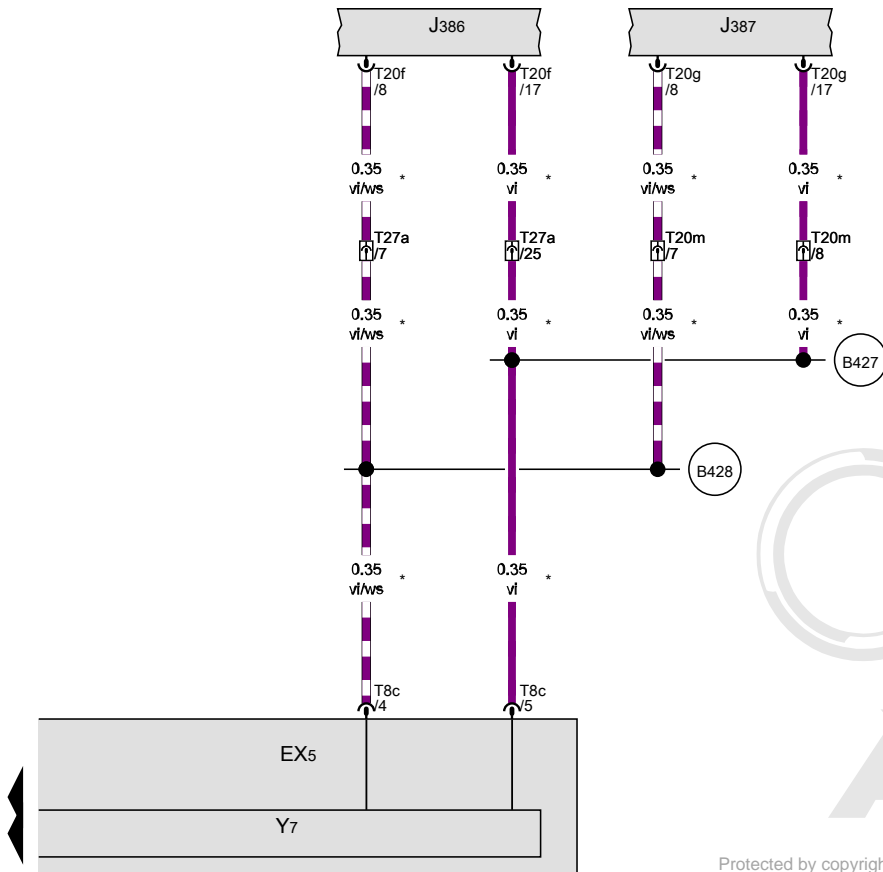
Interior rearview mirror, Driver door control module, Front passenger door control module, Automatic dimming interior rearview mirror

- EX5 Interior rearview mirror
- J386 Driver door control module
- J387 Front passenger door control module
- T8c 8-pin connector
- T20f 20-pin connector
- T20g 20-pin connector
- T20m 20-pin connector, black
- T27a 27-pin connector, Left A-pillar, bottom
- Y7 Automatic dimming interior rearview mirror

B427 Mirror auto-dimming signal connection 1 (in main wiring harness)

B428 Mirror auto-dimming signal connection 2 (in main wiring harness)

\* Only for vehicles with automatic dimming exterior rearview mirror



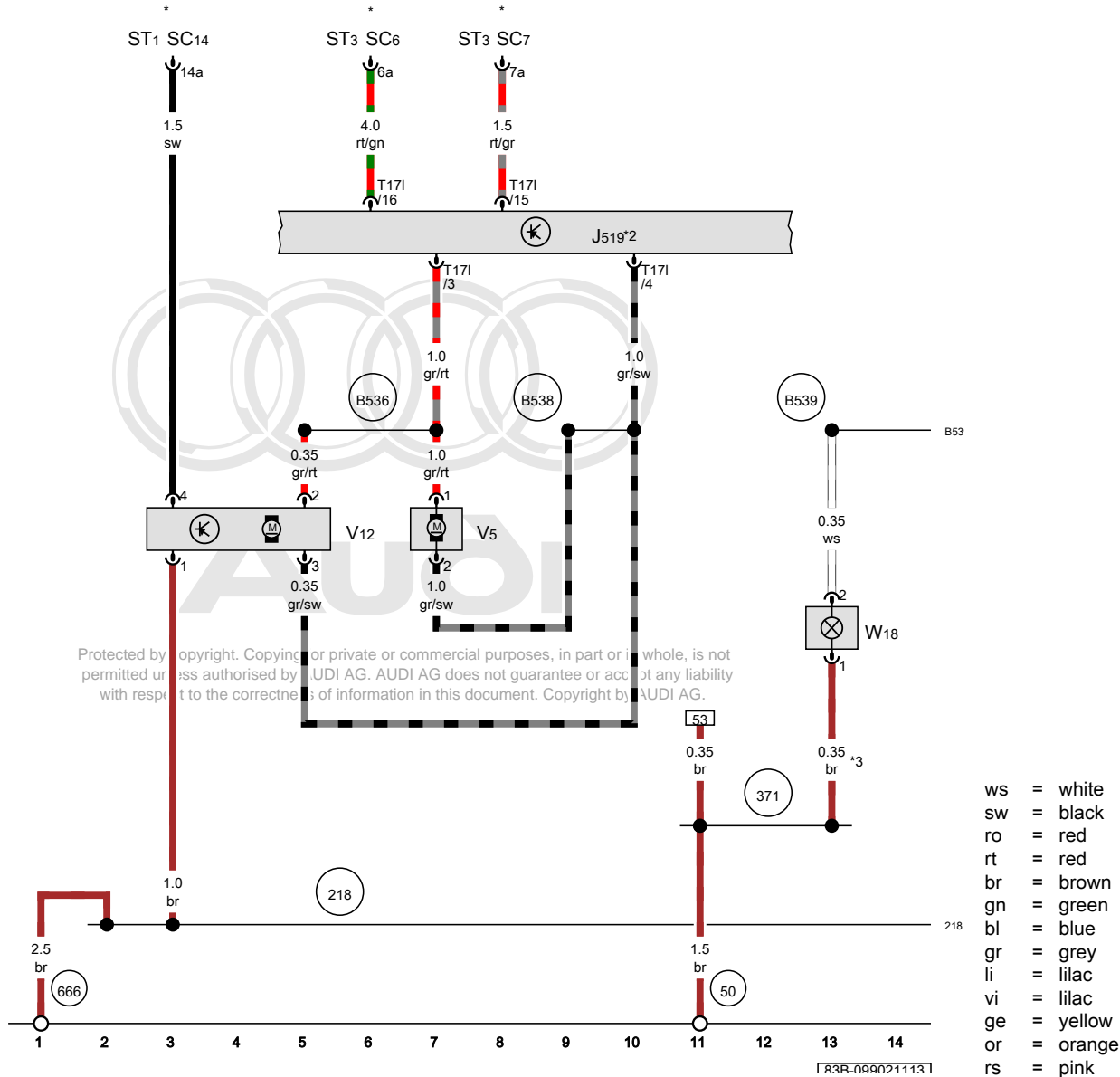
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**Lid and tail lamps**  
from May 2012

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Windshield washer pump, Rear window wiper motor, Left luggage compartment lamp

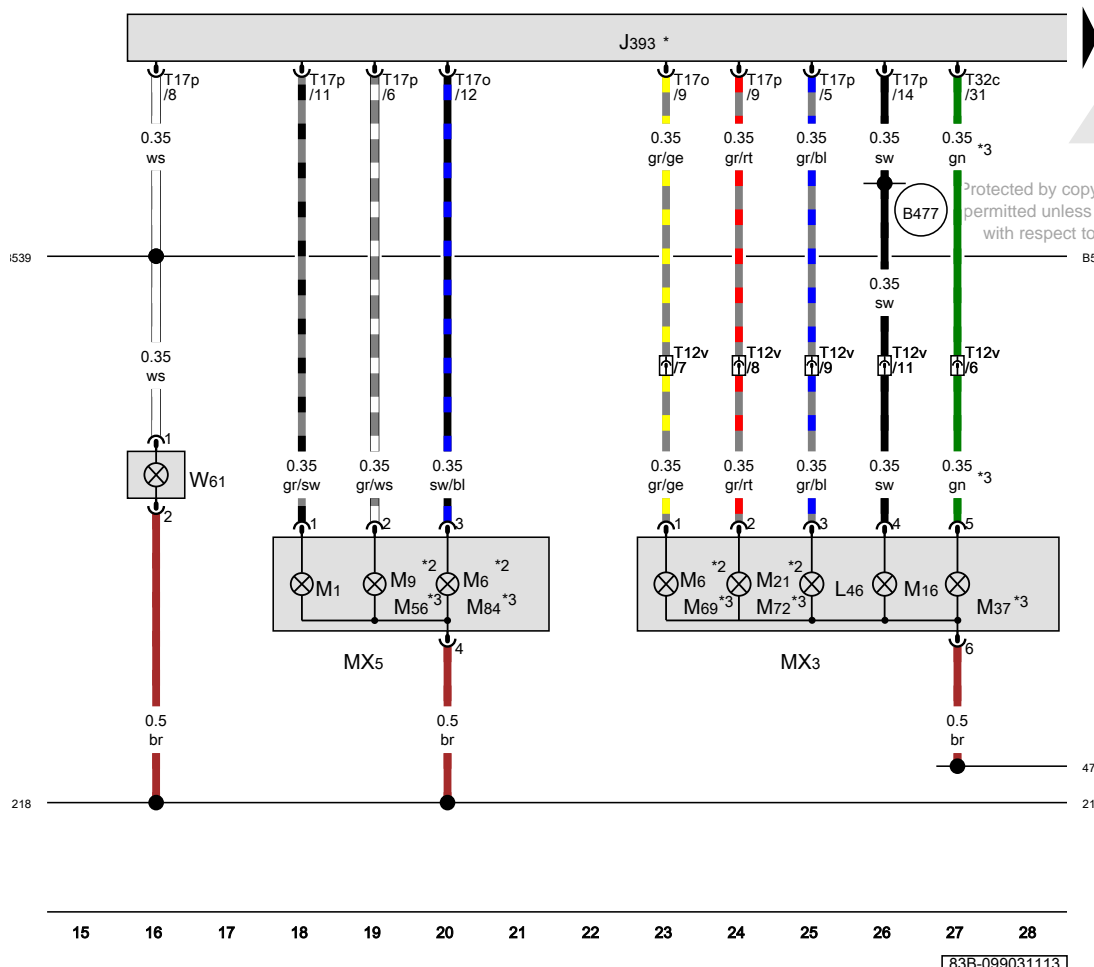


- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- ST3 Fuse panel 3
- SC6 Fuse 6 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC14 Fuse 14 (on fuse panel C)
- T171 17-pin connector
- V5 Windshield washer pump
- V12 Rear window wiper motor
- W18 Left luggage compartment lamp

- 50 Ground connection in luggage compartment, left
- 218 Ground connection 1 (in rear lid wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 666 Ground connection on roof, right rear
- B536 Connection 27 (in main wiring harness)
- B538 Connection 29 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable standard equipment wiring diagram
- \*3 Diameter depends on equipment

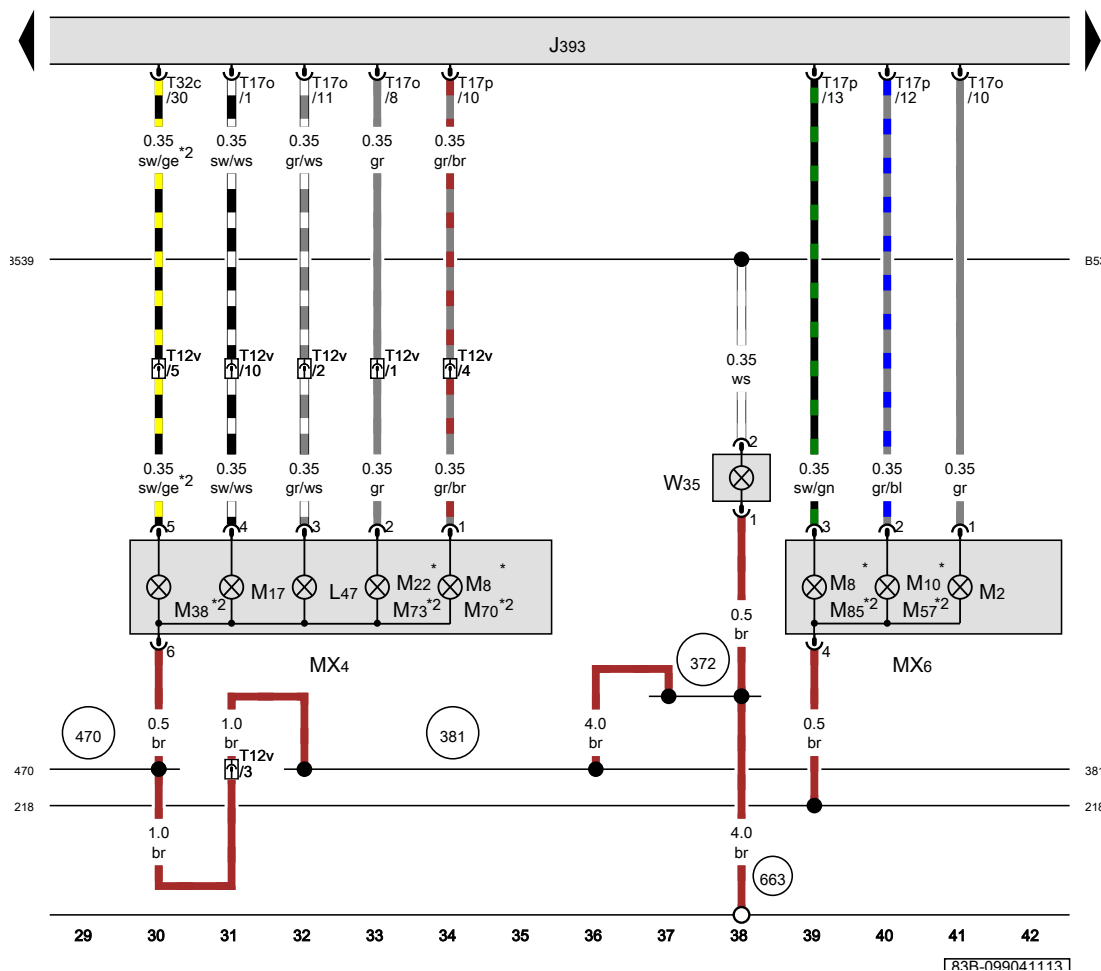
Left tail lamp 2, Ambient lamp 1 in rear lid



- J393 Comfort system central control module
- L46 Left rear fog lamp bulb
- M1 Left position lamp bulb
- MX3 Left tail lamp
- MX5 Left tail lamp 2
- M6 Left rear turn signal bulb
- M9 Left brake lamp bulb
- M16 Left back-up lamp bulb
- M21 Left brake/tail lamp bulb
- M37 Left rear side marker lamp bulb
- M56 Left brake lamp/turn signal bulb
- M69 Left brake lamp/turn signal/tail lamp bulb
- M72 Left brake lamp/turn signal/tail lamp bulb 2
- M84 Left brake lamp/turn signal bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W61 Ambient lamp 1 in rear lid

- 218 Ground connection 1 (in rear lid wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- B477 Connection 13 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Only for vehicles without US equipment
- \*3 Only for vehicles with US equipment

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 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
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## Right tail lamp, Right tail lamp 2, Right luggage compartment lamp

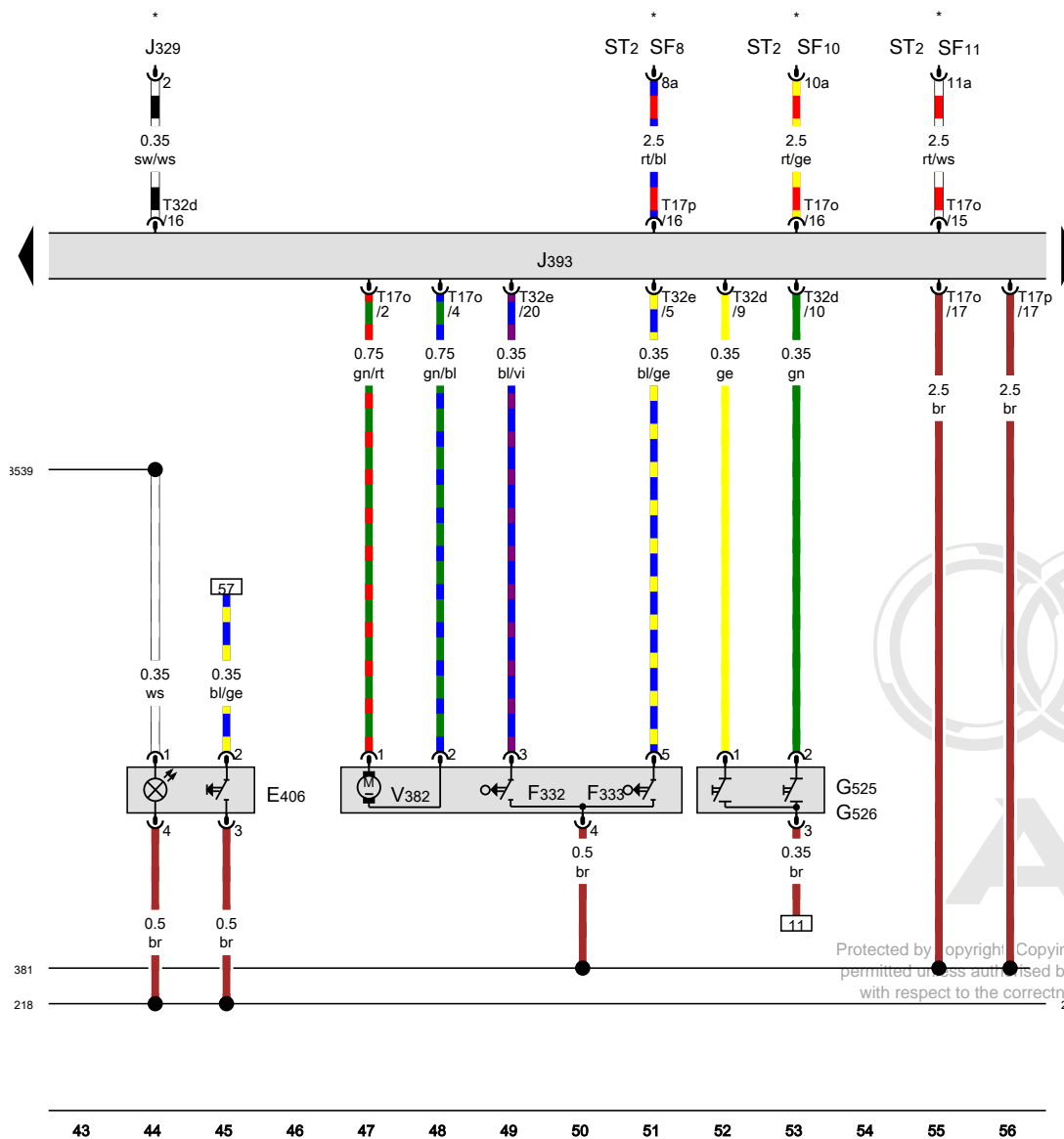
- J393 Comfort system central control module
- L47 Right rear fog lamp bulb
- M2 Right tail lamp bulb
- MX4 Right tail lamp
- MX6 Right tail lamp 2
- M8 Right rear turn signal bulb
- M10 Right brake lamp bulb
- M17 Right back-up lamp bulb
- M22 Right brake/tail lamp bulb
- M38 Right rear side marker lamp bulb
- M57 Right brake lamp/turn signal bulb
- M70 Right brake lamp/turn signal/tail lamp bulb
- M73 Right brake lamp/turn signal/tail lamp bulb 2
- M85 Right brake lamp/turn signal bulb 2
- T12v 12-pin connector, in the rear bumper
- T17o 17-pin connector
- T17p 17-pin connector
- T32c 32-pin connector
- W35 Right luggage compartment lamp

- 218 Ground connection 1 (in rear lid wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 470 Ground connection 1 (in rear bumper wiring harness)
- 663 Ground connection in right rear side panel
- B539 Connection 30 (in main wiring harness)

- \* Only for vehicles without US equipment
- \*2 Only for vehicles with US equipment

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Rear lid lock button in luggage compartment, Rear lid closing assist/unlock stop switch, Rear lid closing assist/lock stop switch, Rear lid -closed- sensor 1



- E406 Rear lid lock button in luggage compartment
- F332 Rear lid closing assist/unlock stop switch
- F333 Rear lid closing assist/lock stop switch
- G525 Rear lid -closed- sensor 1
- G526 Rear lid -closed- sensor 2
- J329 Terminal 15 power supply relay
- J393 Comfort system central control module
- ST2 Fuse panel 2
- SF8 Fuse 8 (on fuse panel F)
- SF10 Fuse 10 (on fuse panel F)
- SF11 Fuse 11 (on fuse panel F)
- T17o 17-pin connector
- T17p 17-pin connector
- T32d 32-pin connector
- T32e 32-pin connector
- V382 Rear lid closing assist motor

- 218 Ground connection 1 (in rear lid wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- B539 Connection 30 (in main wiring harness)

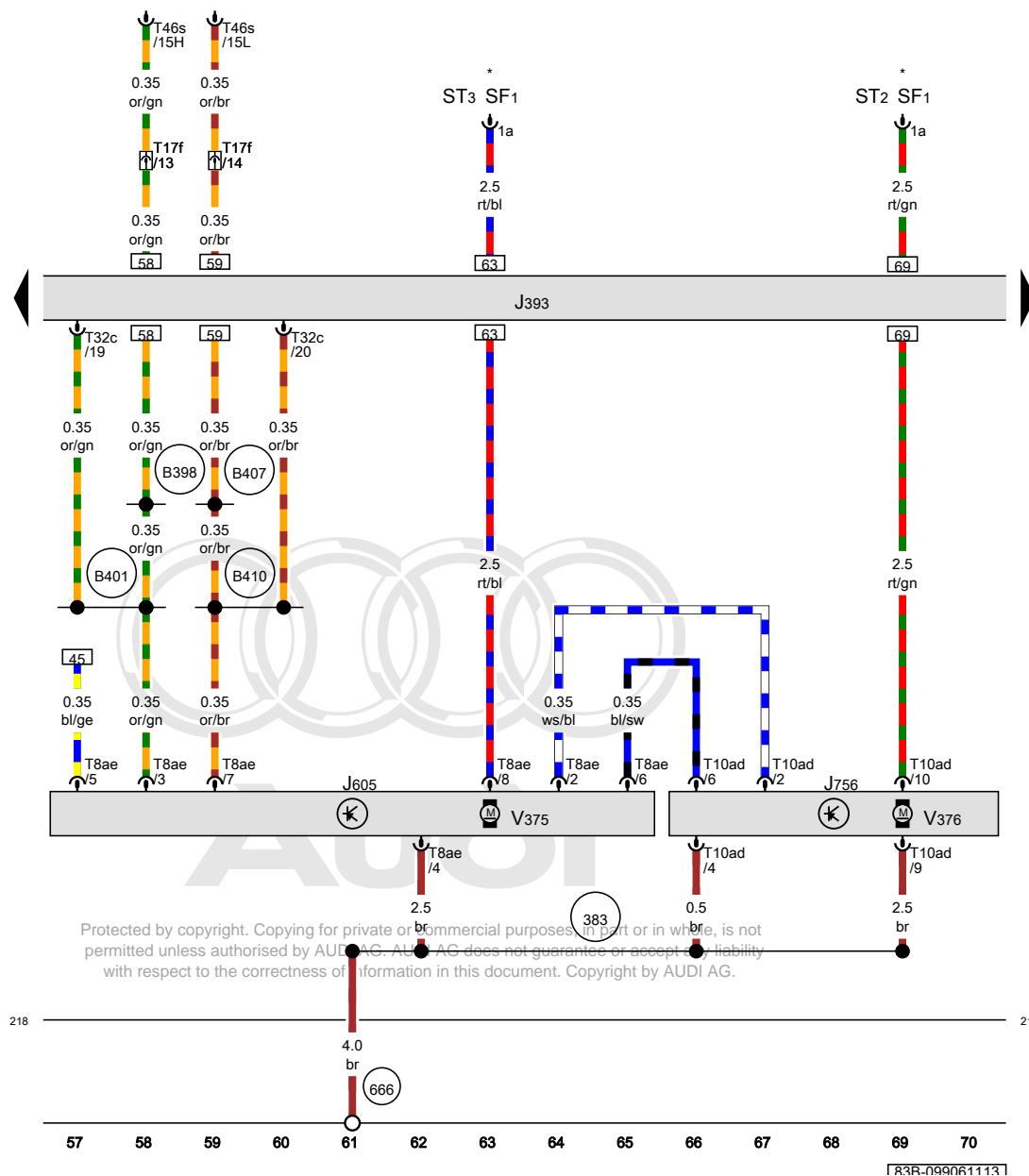
\* Refer to applicable wiring diagram for fuse positions

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# Rear lid control module, Rear lid control module 2, Motor in rear lid control module, Motor in rear lid control module 2

- J393 Comfort system central control module
- J605 Rear lid control module
- J756 Rear lid control module 2
- SF1 Fuse 1 (on fuse panel F)
- ST2 Fuse panel 2
- ST3 Fuse panel 3
- T8ae 8-pin connector
- T10ad 10-pin connector
- T17f 17-pin connector, brown
- T32c 32-pin connector
- T46s 46-pin connector
- V375 Motor in rear lid control module
- V376 Motor in rear lid control module 2

- 218 Ground connection 1 (in rear lid wiring harness)
- 383 Ground connection 18 (in main wiring harness)
- 666 Ground connection on roof, right rear
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

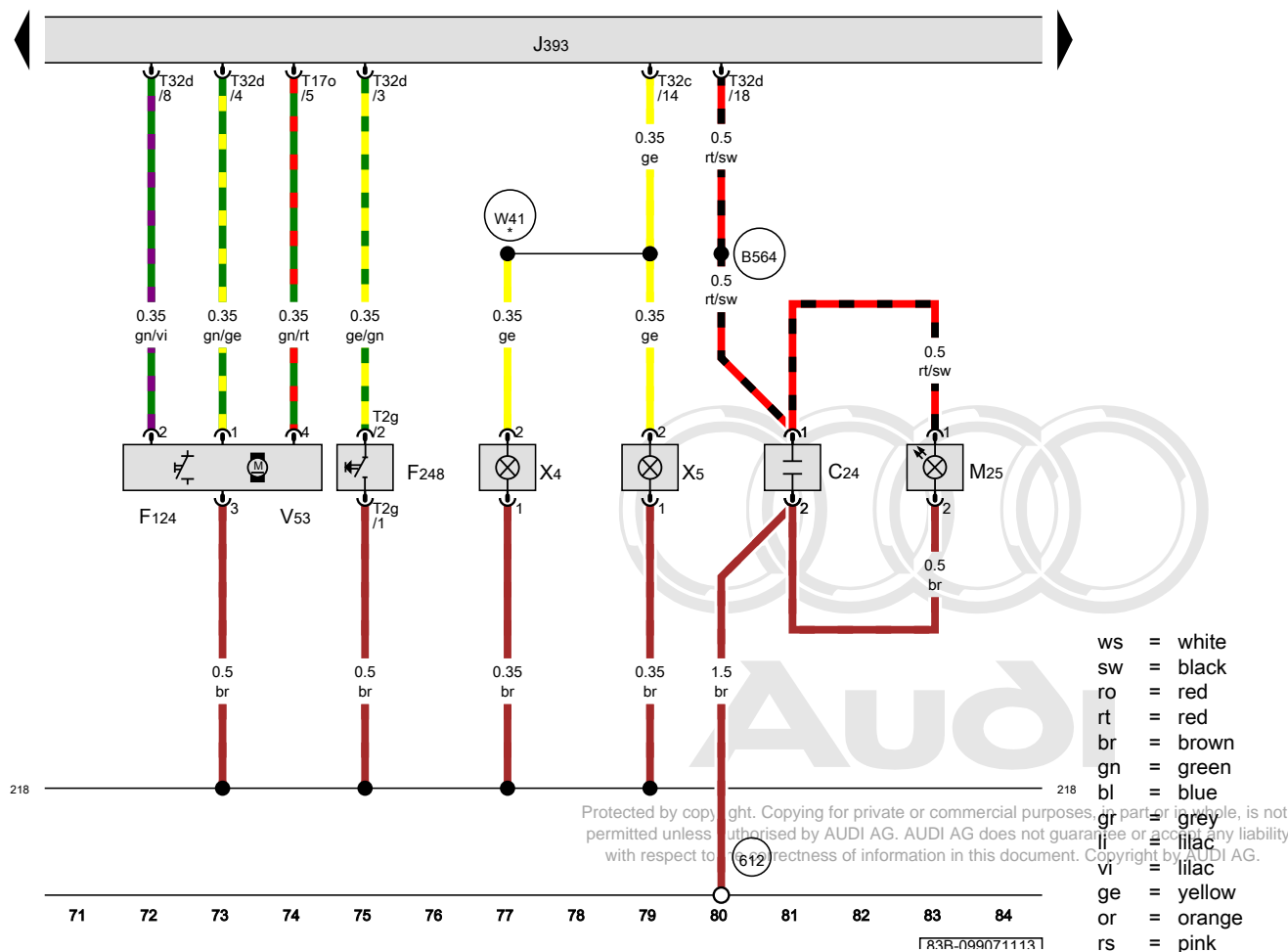
\* Refer to applicable wiring diagram for fuse positions

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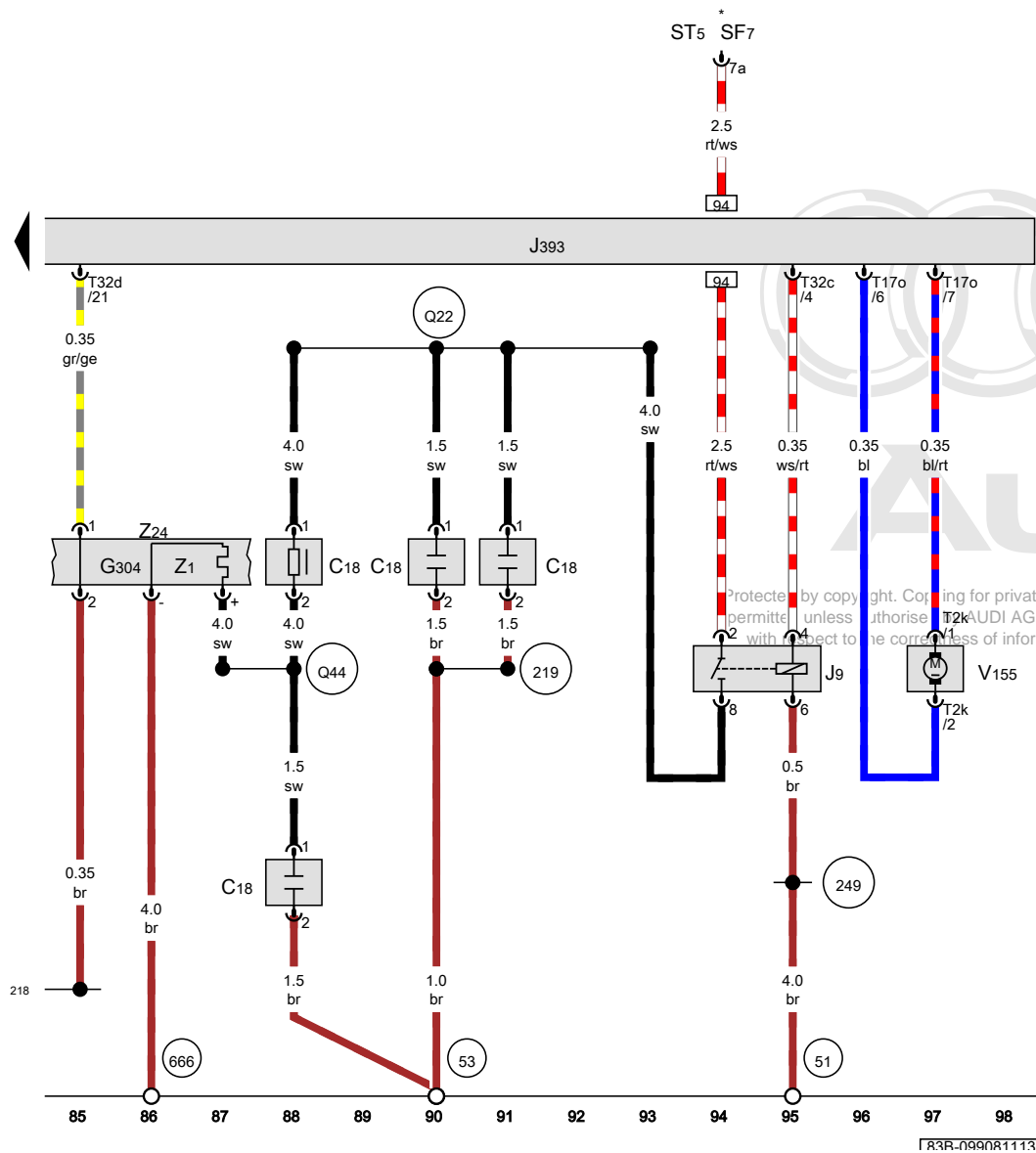
Rear lid lock/alarm/central locking switch, Rear lid lock cylinder unlock button, Left license plate lamp

- C24 Suppressor
- F124 Rear lid lock/alarm/central locking switch
- F248 Rear lid lock cylinder unlock button
- J393 Comfort system central control module
- M25 High-mounted brake lamp bulb
- T2g Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V53 Rear lid central locking system motor
- X4 Left license plate lamp
- X5 Right license plate lamp

- 218 Ground connection 1 (in rear lid wiring harness)
- 612 Ground connection in rear lid, center
- B564 Connection 31 (in main wiring harness)
- W41 Positive connection (58) (in license plate lamp wiring harness)
- \* from November 2012



Rear window breakage sensor, Rear window defogger with window antenna



- C18 Windshield antenna suppression filter
- G304 Rear window breakage sensor
- J9 Rear window defogger relay
- J393 Comfort system central control module
- ST5 Fuse panel 5
- SF7 Fuse 7 (on fuse panel F)
- T2k Double connector
- T17o 17-pin connector
- T32c 32-pin connector
- T32d 32-pin connector
- V155 Fuel filler door unlock motor
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 218 Ground connection 1 (in rear lid wiring harness)
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)

\* Refer to applicable wiring diagram for fuse positions

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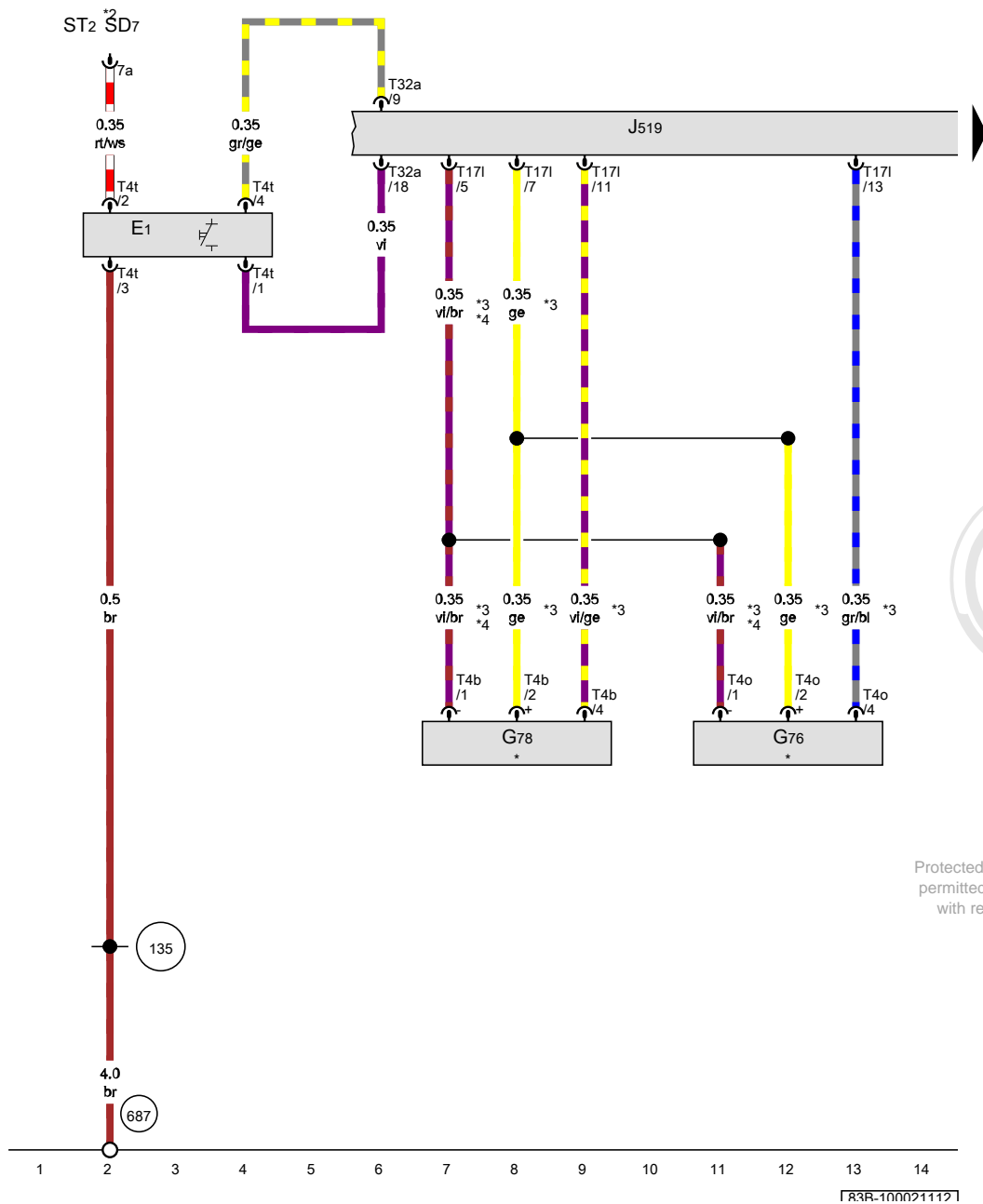
## Headlamps (HID) with range control and cornering lamp

from May 2012



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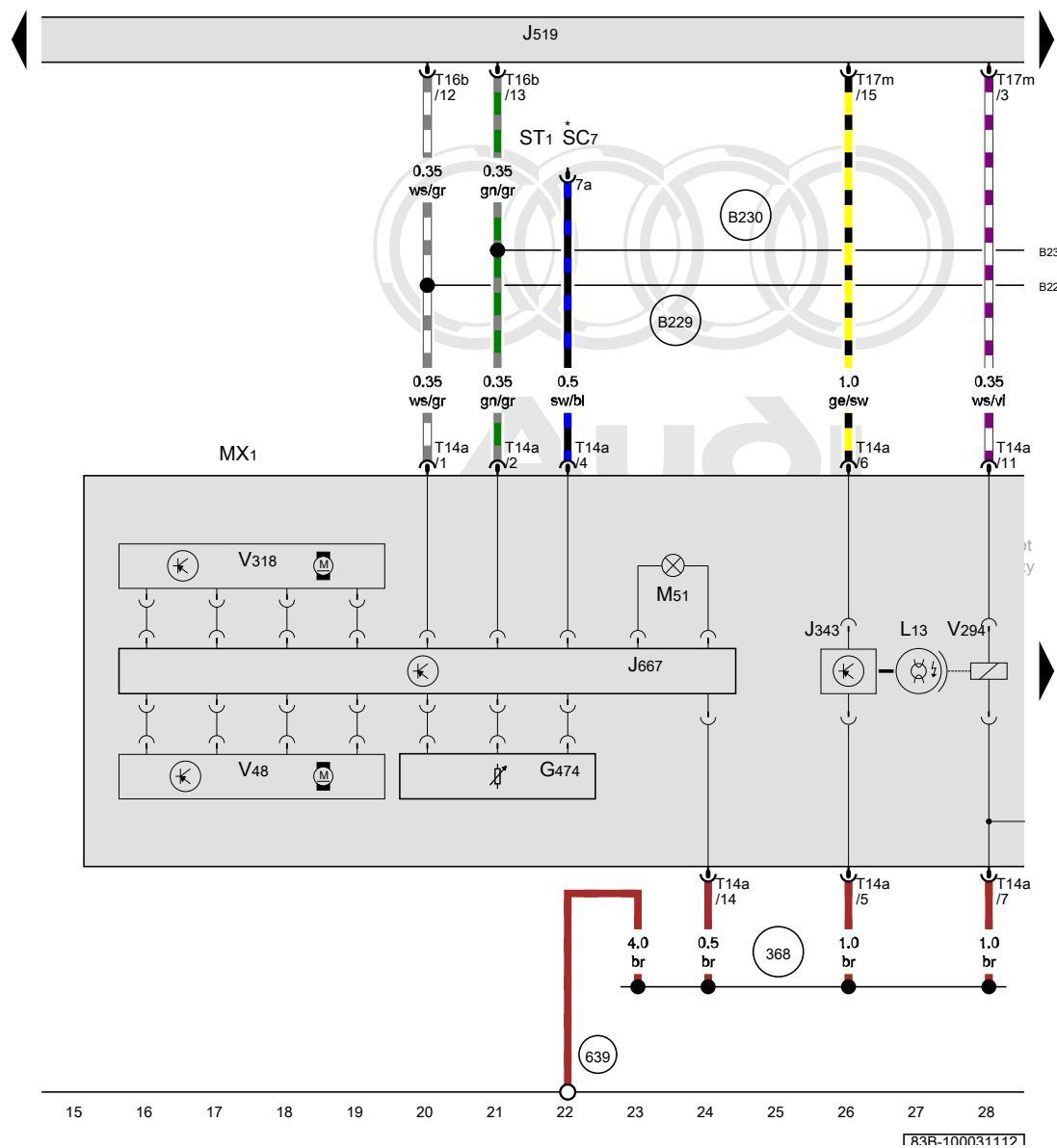
Light switch, Left rear level control system sensor, Vehicle electrical system control module

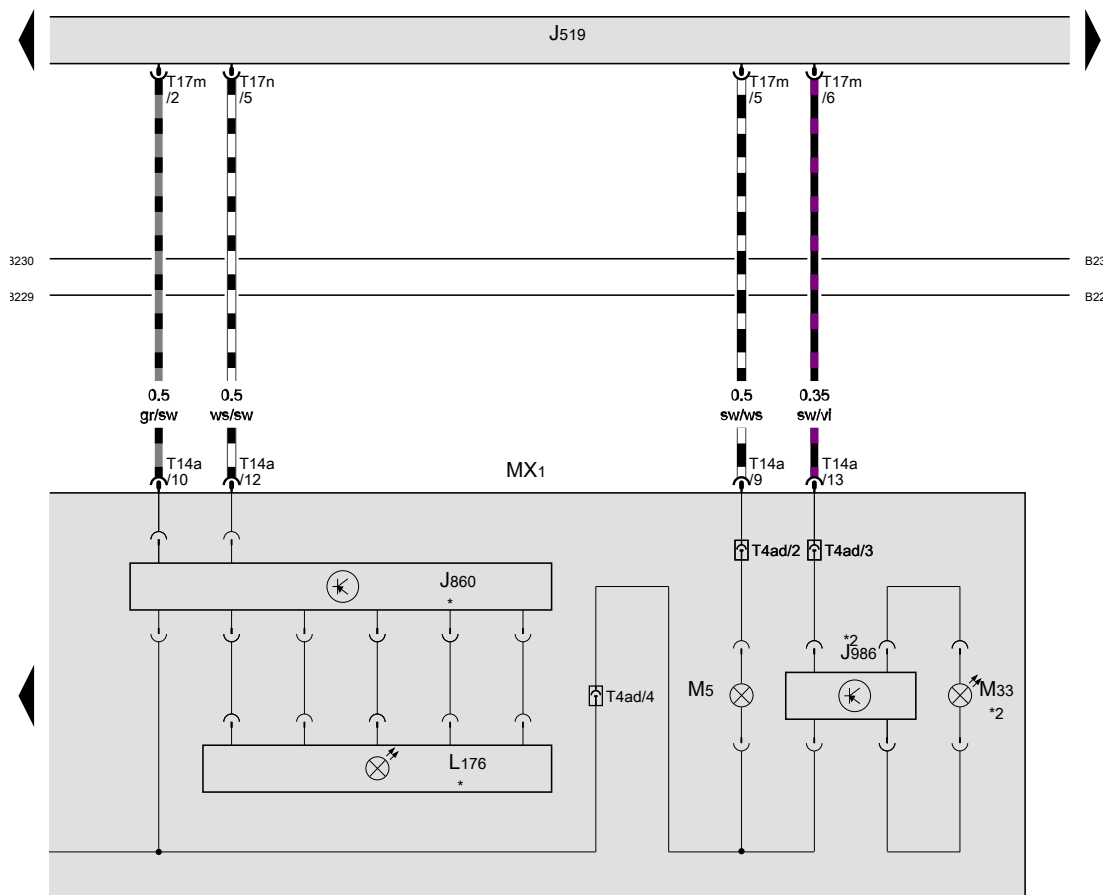


- E1 Light switch
- G76 Left rear level control system sensor
- G78 Left front level control system sensor
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- T4b 4-pin connector
- T4o 4-pin connector
- T4t 4-pin connector
- T17 17-pin connector
- T32a 32-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to wiring diagram for automatic level control system, damping adjustment
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Only for vehicles without electronic damping
- \*4 The color of the wires depends on vehicle equipment

- ws = white
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Vehicle electrical system control module, Left headlamp power output stage, Left HID headlamp bulb, Left front headlamp, Left stationary cornering lamp, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor, Left adaptive cornering lamp motor





# Vehicle electrical system control module, Left daytime running lamp and parking lamp LED module, Left front headlamp

- J519 Vehicle electrical system control module
- J860 Left daytime running lamp and parking lamp control module
- J986 Left side marker lamp power output stage
- L176 Left daytime running lamp and parking lamp LED module
- MX1 Left front headlamp
- M5 Left front turn signal bulb
- M33 Left front side marker lamp bulb
- T14a 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

B229 High bus connection (in interior wiring harness)

B230 Low bus connection (in interior wiring harness)

\* Only for vehicles with daytime running lamps

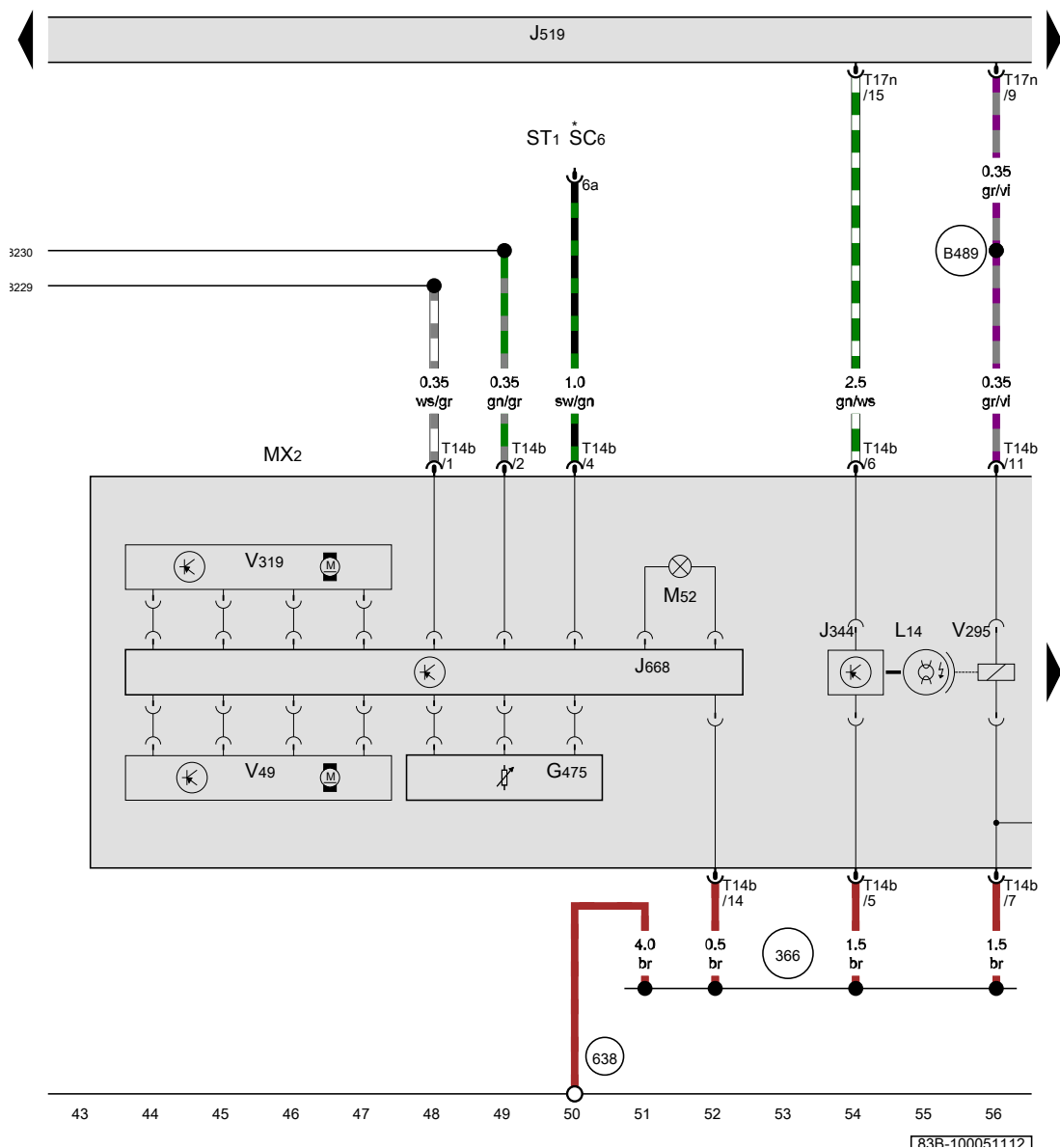
\*2 Special equipment

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Right HID headlamp control module, Vehicle electrical system control module, Right headlamp power output stage, Right HID headlamp bulb, Right front headlamp, Right stationary cornering lamp, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor, Right adaptive cornering lamp motor

- G475 Right swivel module position sensor
- J344 Right HID headlamp control module
- J519 Vehicle electrical system control module
- J668 Right headlamp power output stage
- L14 Right HID headlamp bulb
- MX2 Right front headlamp
- M52 Right stationary cornering lamp
- ST1 Fuse panel 1
- SC6 Fuse 6 (on fuse panel C)
- T14b 14-pin connector
- T17n 17-pin connector
- V49 Right headlamp beam adjustment motor
- V295 Right low beam headlamp reflector motor
- V319 Right adaptive cornering lamp motor

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B229 High bus connection (in interior wiring harness)
- B230 Low bus connection (in interior wiring harness)
- B489 Connection 25 (in main wiring harness)

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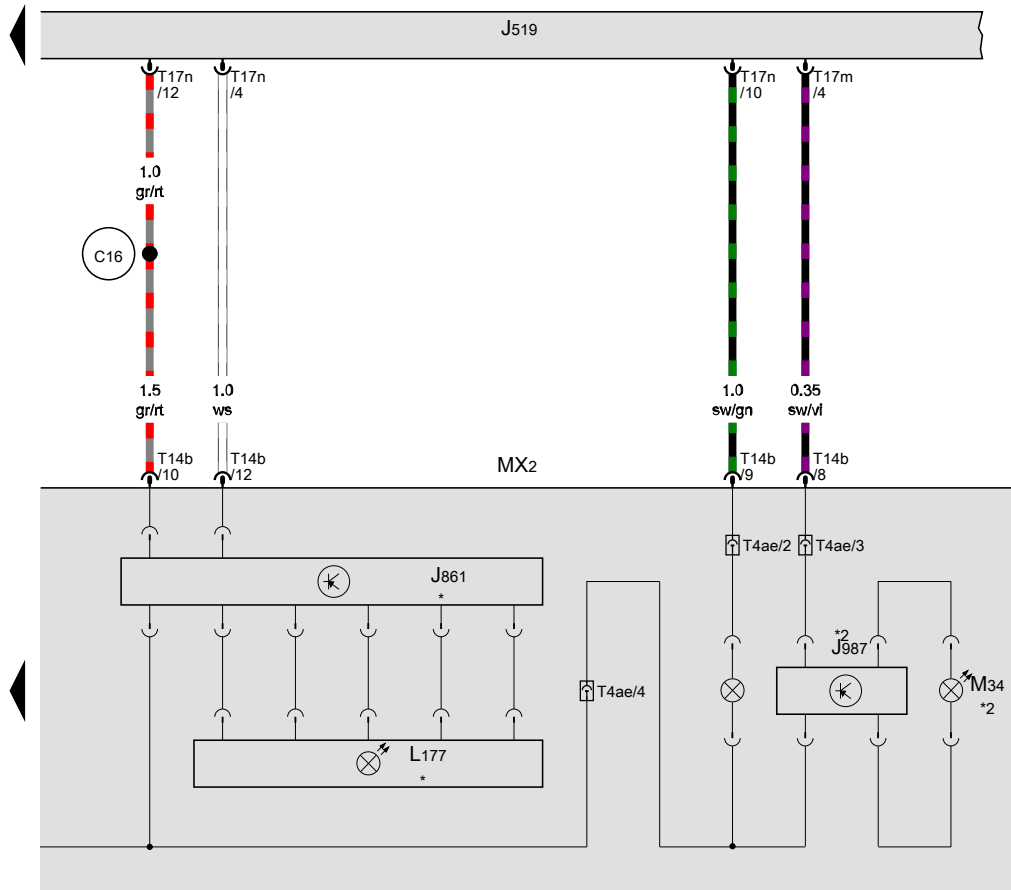


# Vehicle electrical system control module, Right front headlamp

- J519 Vehicle electrical system control module
- J861 Right daytime running lamp and parking lamp control module
- J987 Right side marker lamp power output stage
- L177 Right daytime running lamp and parking lamp LED module
- MX2 Right front headlamp
- M34 Right front side marker lamp bulb
- T14b 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

C16 Connection 2 (in headlamp wiring harness)

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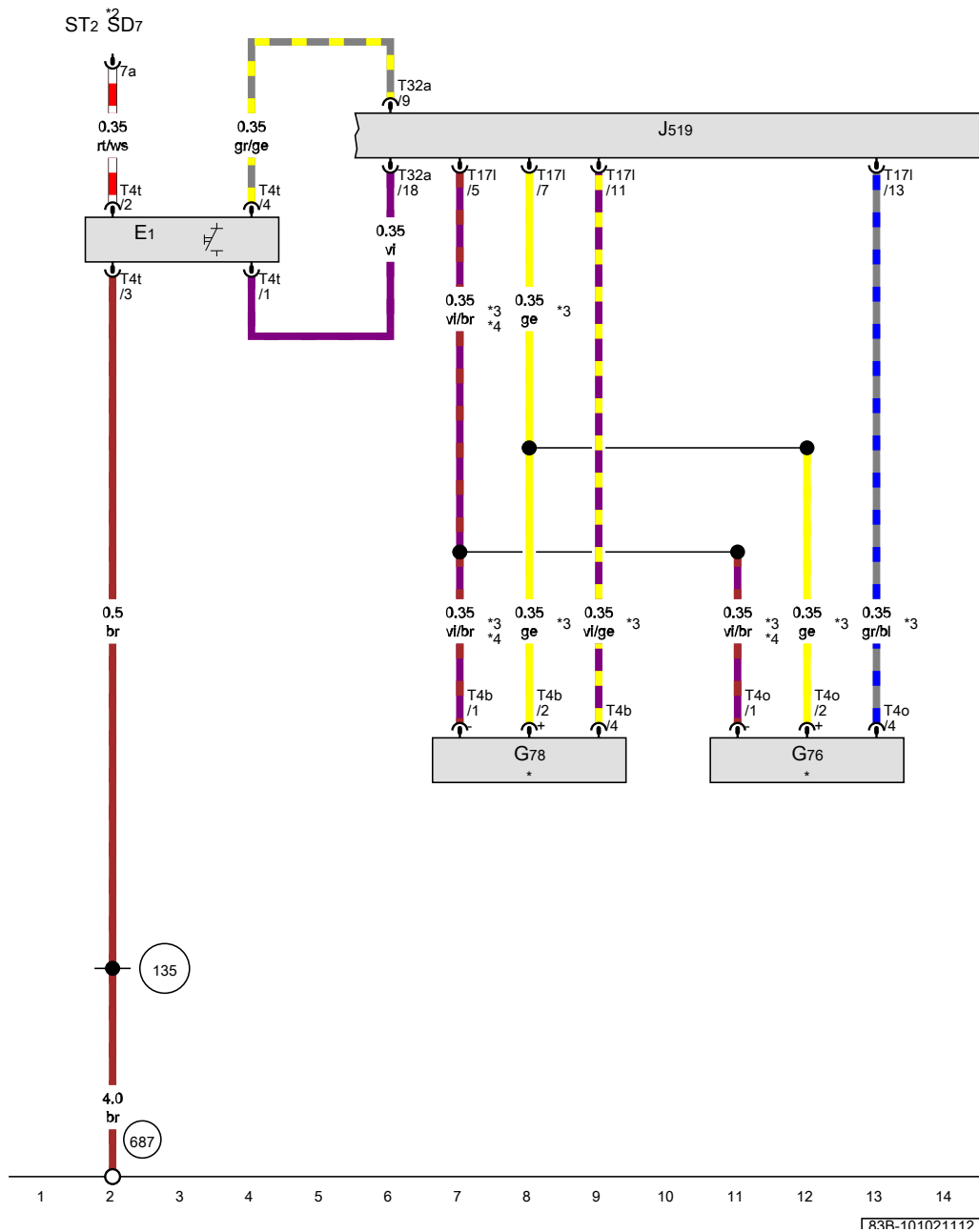
**Headlamps (HID) with range control**

from May 2012



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Light switch, Left rear level control system sensor, Vehicle electrical system control module



- E1 Light switch
- G76 Left rear level control system sensor
- G78 Left front level control system sensor
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- SD7 Fuse 7 (on fuse panel D)
- T4b 4-pin connector
- T4o 4-pin connector
- T4t 4-pin connector
- T17i 17-pin connector
- T32a 32-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

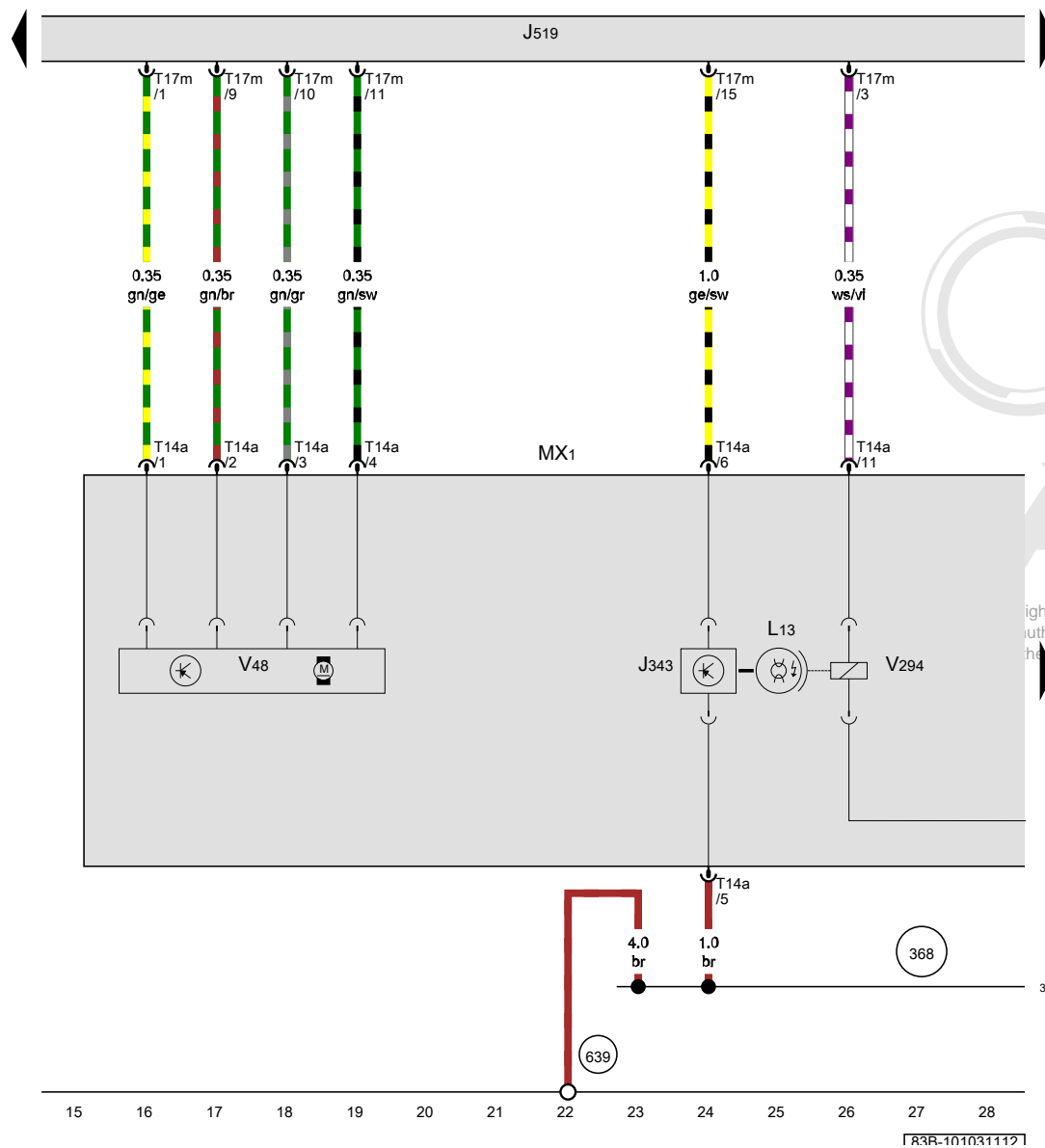
- \* Refer to wiring diagram for automatic level control system, damping adjustment
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Only for vehicles without electronic damping
- \*4 The color of the wires depends on vehicle equipment

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

Left HID headlamp control module, Vehicle electrical system control module, Left front headlamp, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor

- J343 Left HID headlamp control module
- J519 Vehicle electrical system control module
- L13 Left HID headlamp bulb
- MX1 Left front headlamp
- T14a 14-pin connector
- T17m 17-pin connector
- V48 Left headlamp beam adjustment motor
- V294 Left low beam headlamp reflector motor
- 368 Ground connection 3 (in main wiring harness)
- 639 Ground connection on left A-pillar



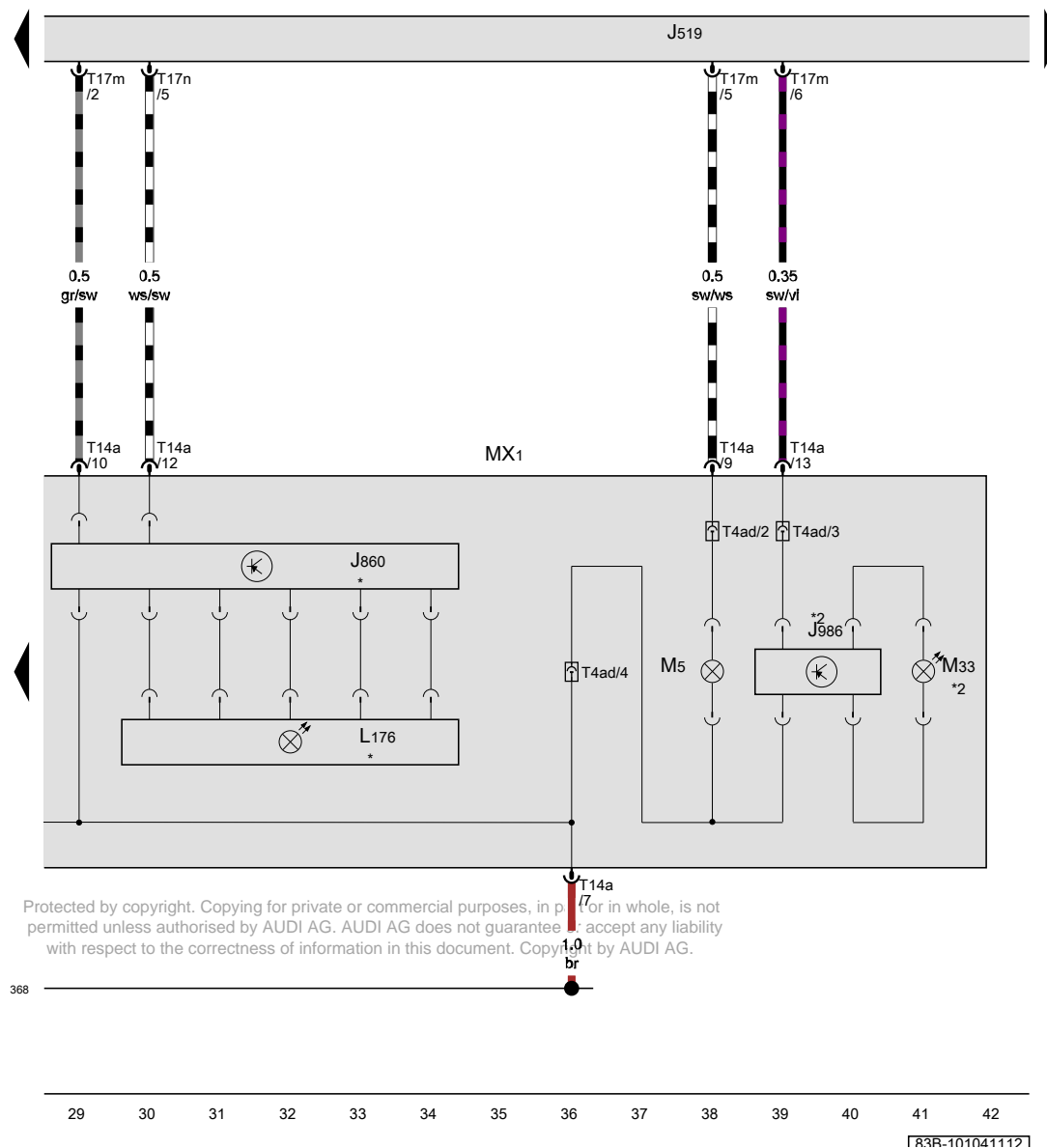
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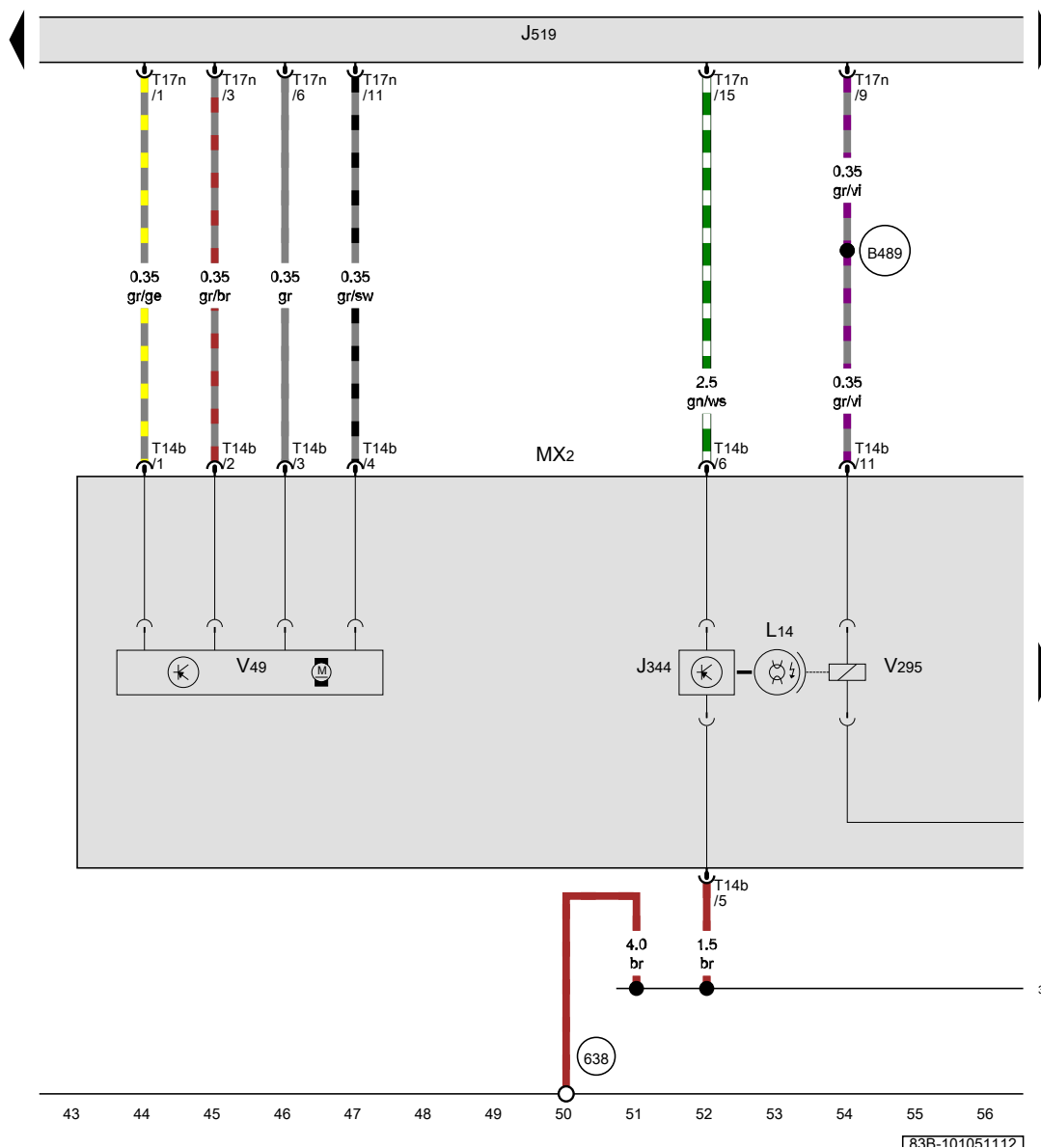
Vehicle electrical system control module, Left daytime running lamp and parking lamp LED module, Left front headlamp

- J519 Vehicle electrical system control module
- J860 Left daytime running lamp and parking lamp control module
- J986 Left side marker lamp power output stage
- L176 Left daytime running lamp and parking lamp LED module
- MX1 Left front headlamp
- M5 Left front turn signal bulb
- M33 Left front side marker lamp bulb
- T14a 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

368 Ground connection 3 (in main wiring harness)

- \* Only for vehicles with daytime running lamps
- \*2 Special equipment

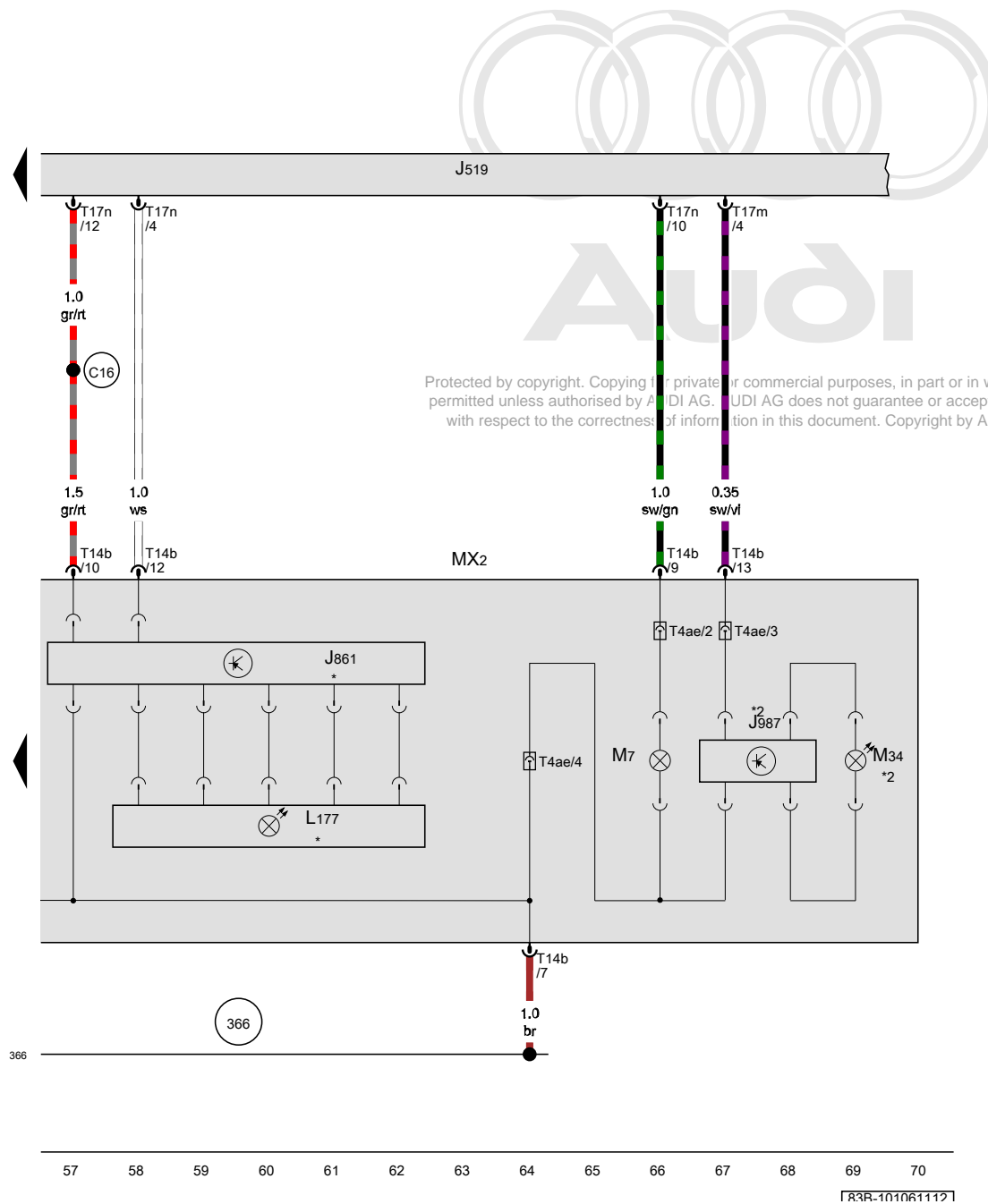




Right HID headlamp control module, Vehicle electrical system control module, Right HID headlamp bulb, Right front headlamp, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor

- J344 Right HID headlamp control module
- J519 Vehicle electrical system control module
- L14 Right HID headlamp bulb
- MX2 Right front headlamp
- T14b 14-pin connector
- T17n 17-pin connector
- V49 Right headlamp beam adjustment motor
- V295 Right low beam headlamp reflector motor
- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B489 Connection 25 (in main wiring harness)

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# Vehicle electrical system control module, Right front headlamp, Right front turn signal bulb

- J519 Vehicle electrical system control module
- J861 Right daytime running lamp and parking lamp control module
- J987 Right side marker lamp power output stage
- L177 Right daytime running lamp and parking lamp LED module
- MX2 Right front headlamp
- M7 Right front turn signal bulb
- M34 Right front side marker lamp bulb
- T14b 14-pin connector
- T17m 17-pin connector
- T17n 17-pin connector

366 Ground connection 1 (in main wiring harness)

C16 Connection 2 (in headlamp wiring harness)

- \* Only for vehicles with daytime running lamps
- \*2 Special equipment

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- rs = pink

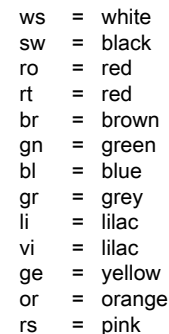
## Trailer Mode , (1D8)

From May 2012



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\* Refer to Applicable Wiring Diagram for Fuse Positions  
\*2 From May 2009  
\*3 For Vehicles with Stop/Start System  
\*4 For Australia

# Brake Lamp Switch, Towing Recognition Control Module

- F Brake Lamp Switch
- J345 Towing Recognition Control Module
- T4k 4-Pin Connector
- T12d 12-Pin Connector
- T17e 17-Pin Connector, Red
- T17f 17-Pin Connector, Brown
- T46s 46-Pin Connector

249 Ground Connection 2 (in Interior Wiring Harness)

B335 Connection 54 (in Main Wiring Harness) 1

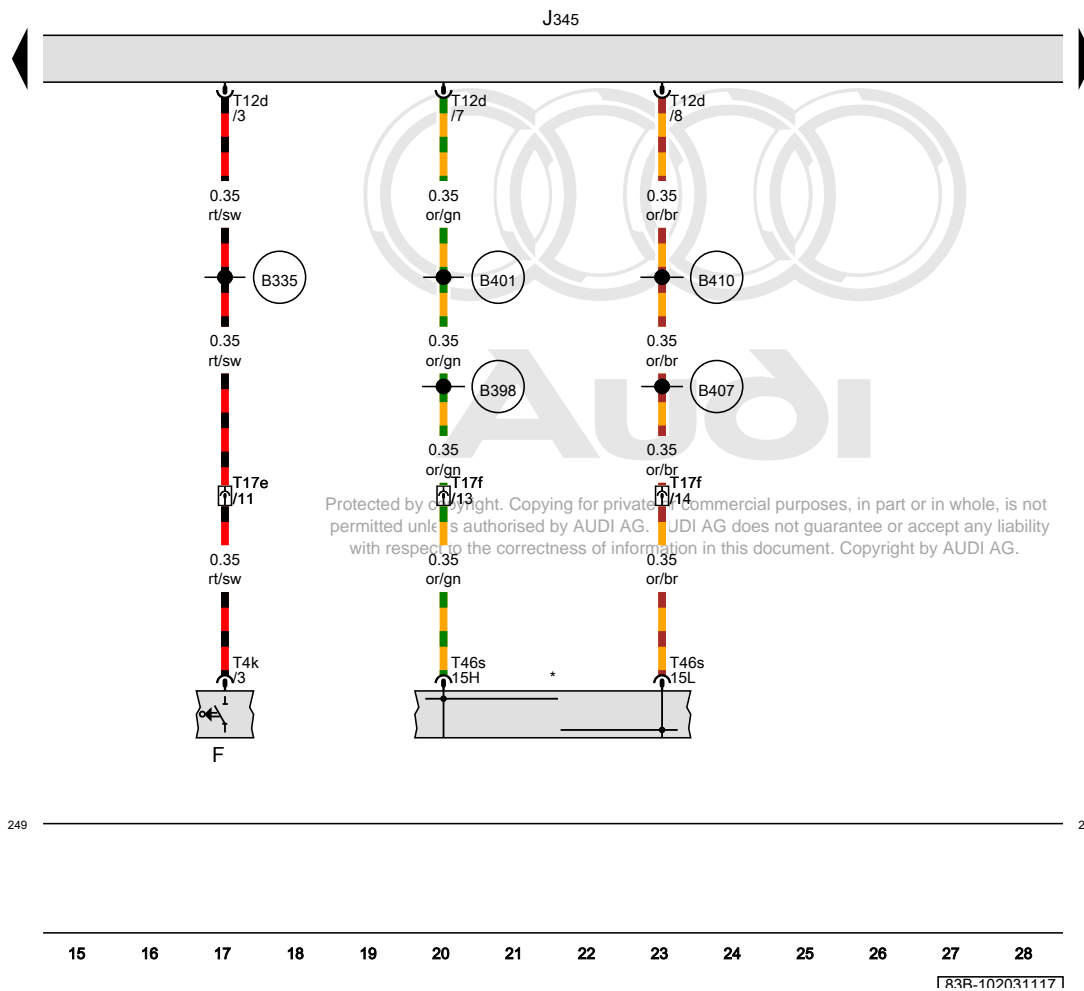
B398 Comfort System CAN Bus High Connection 2 (in Main Wiring Harness)

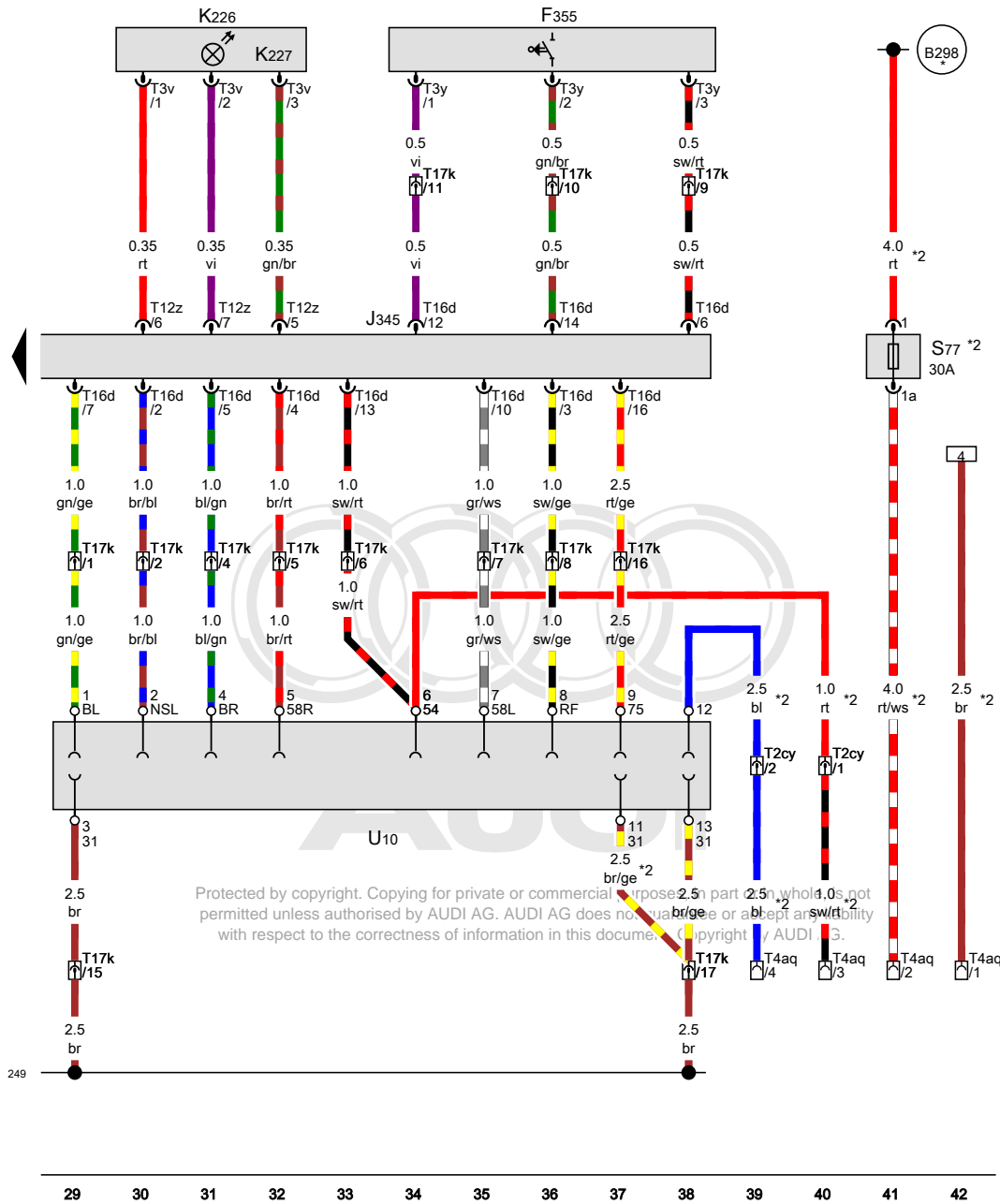
B401 Comfort System CAN Bus High Connection 5 (in Main Wiring Harness)

B407 Comfort System CAN Bus Low Connection 2 (in Main Wiring Harness)

B410 Comfort System CAN Bus Low Connection 5 (in Main Wiring Harness)

\* Front Passenger Connection Bridge, Brown





Lock Bolt Contact Switch, Towing Recognition Control Module, Trailer Hitch -Locked- Indicator Lamp, Trailer Hitch -Unlocked- Indicator Lamp, Trailer Socket

- F355 Lock Bolt Contact Switch
- J345 Towing Recognition Control Module
- K226 Trailer Hitch -Locked- Indicator Lamp
- K227 Trailer Hitch -Unlocked- Indicator Lamp
- S77 Trailer Fuse (Terminal 30), B(+)
- T2cy 2-Pin Connector, Near the Center Console
- T3v 3-Pin Connector
- T3y 3-Pin Connector
- T4aq 4-Pin Connector, Black
- T12z 12-Pin Connector
- T16d 16-Pin Connector
- T17k 17-Pin Connector, Black
- U10 Trailer Socket

249 Ground Connection 2 (in Interior Wiring Harness)

B298 Positive Connection 2 (30) (in Main Wiring Harness)

\* Refer to Applicable Wiring Diagram for Fuse Positions  
\*2 For Australia

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

[A3B-102041117]

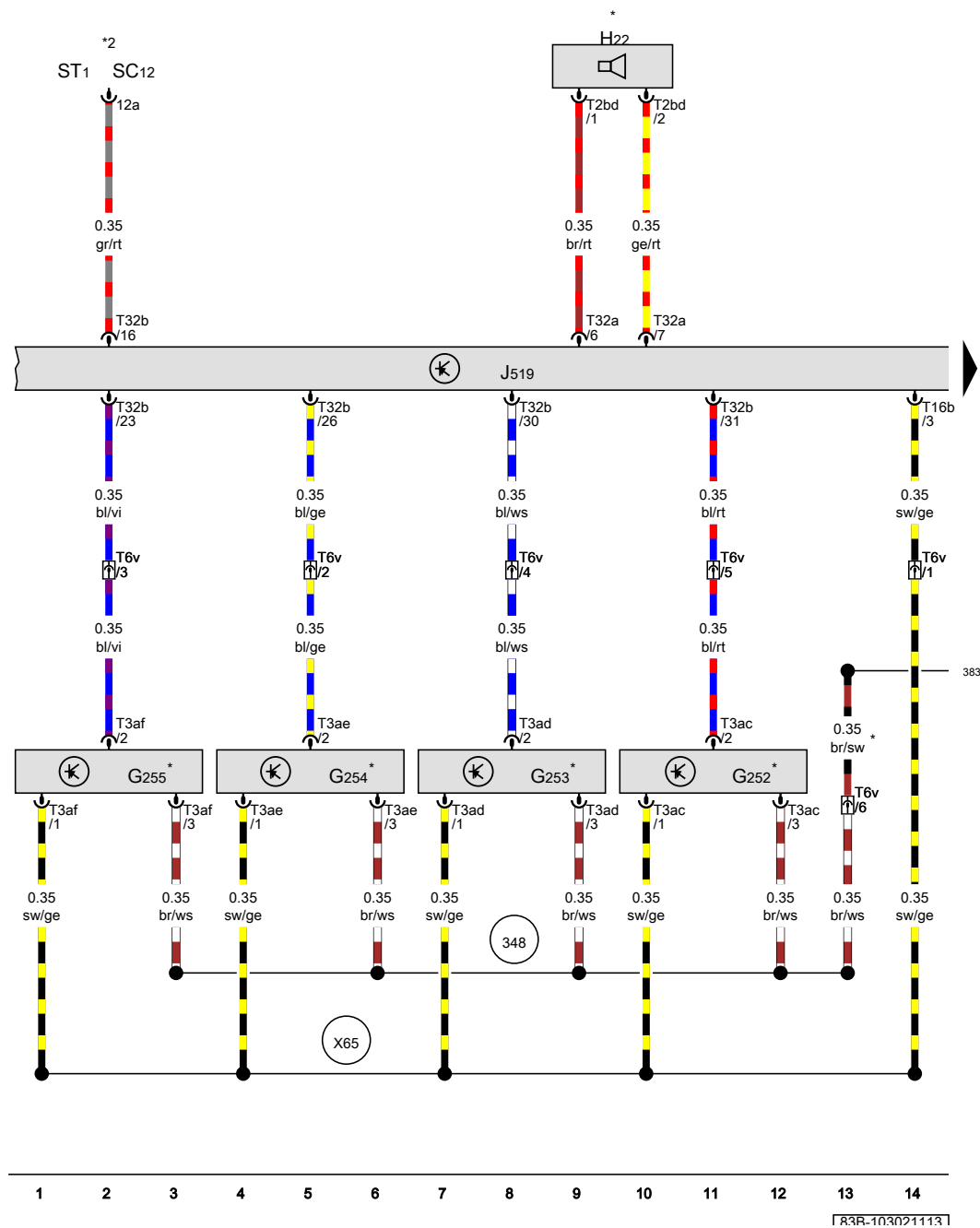
**Parking distance control (PDC) without park assist**

from May 2012



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Left front parking aid sensor, Front parking aid warning buzzer, Vehicle electrical system control module



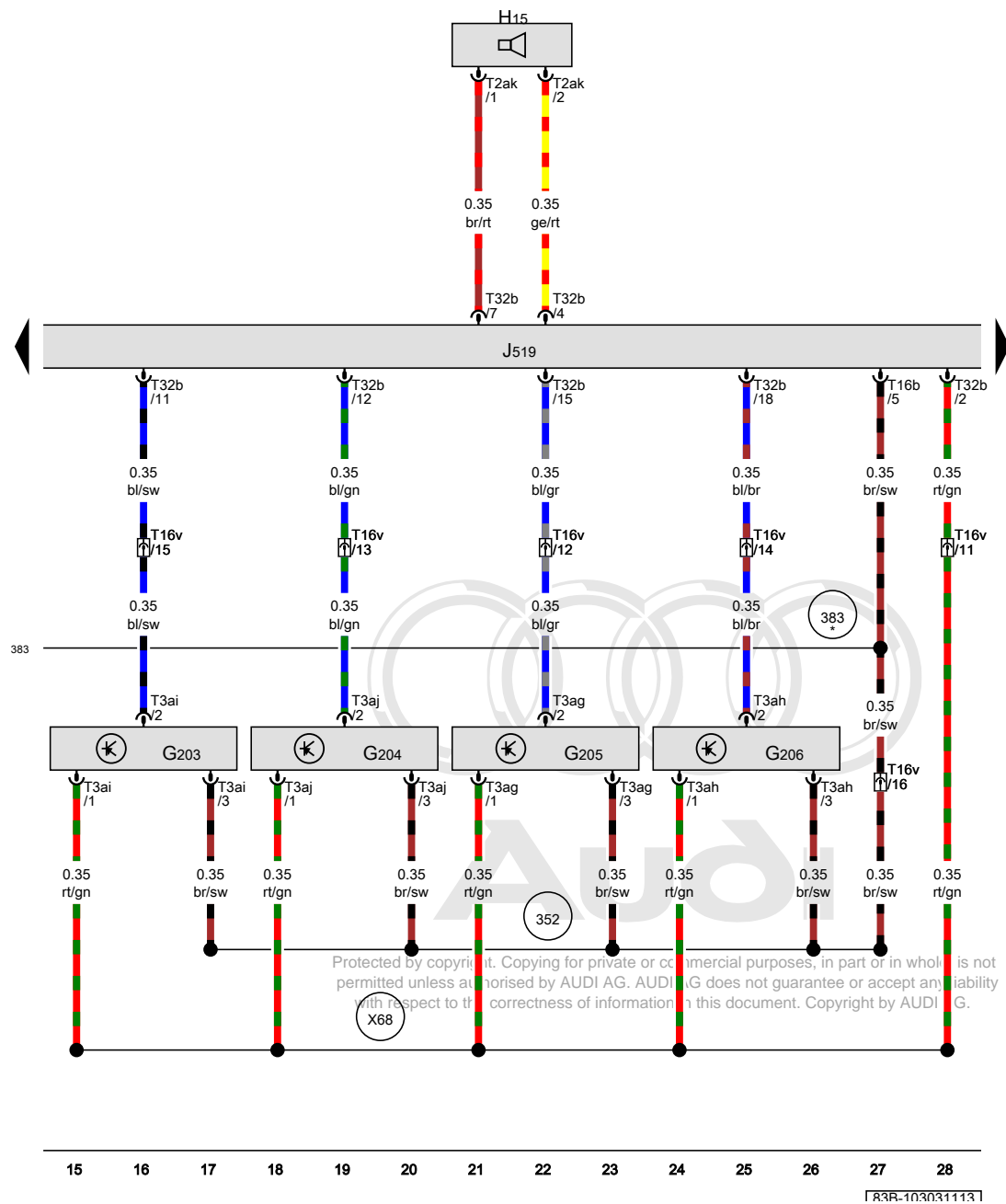
- G252 Right front parking aid sensor
- G253 Right front center parking aid sensor
- G254 Left front center parking aid sensor
- G255 Left front parking aid sensor
- H22 Front parking aid warning buzzer
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- SC12 Fuse 12 (on fuse panel C)
- T2bd Double connector
- T3ac 3-pin connector
- T3ad 3-pin connector
- T3ae 3-pin connector
- T3af 3-pin connector
- T6v 6-pin connector, near the front bumper
- T16b 16-pin connector
- T32a 32-pin connector
- T32b 32-pin connector

- 348 Parking aid ground connection (in front bumper wiring harness)
- 383 Ground connection 18 (in main wiring harness)
- X65 Parking aid connection (in front bumper wiring harness)

\* Only for vehicles with front/rear parking aid  
 \*2 Refer to applicable wiring diagram for fuse positions

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
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Left rear parking aid sensor, Right rear parking aid sensor, Rear parking aid warning buzzer, Vehicle electrical system control module

- 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
- J519 Vehicle electrical system control module
- T2ak Double connector
- T3ag 3-pin connector
- T3ah 3-pin connector
- T3ai 3-pin connector
- T3aj 3-pin connector
- T16b 16-pin connector
- T16v 16-pin connector, brown
- T32b 32-pin connector

352 Parking aid ground connection (in rear bumper wiring harness)

383 Ground connection 18 (in main wiring harness)

X68 Parking aid connection (in rear bumper wiring harness)

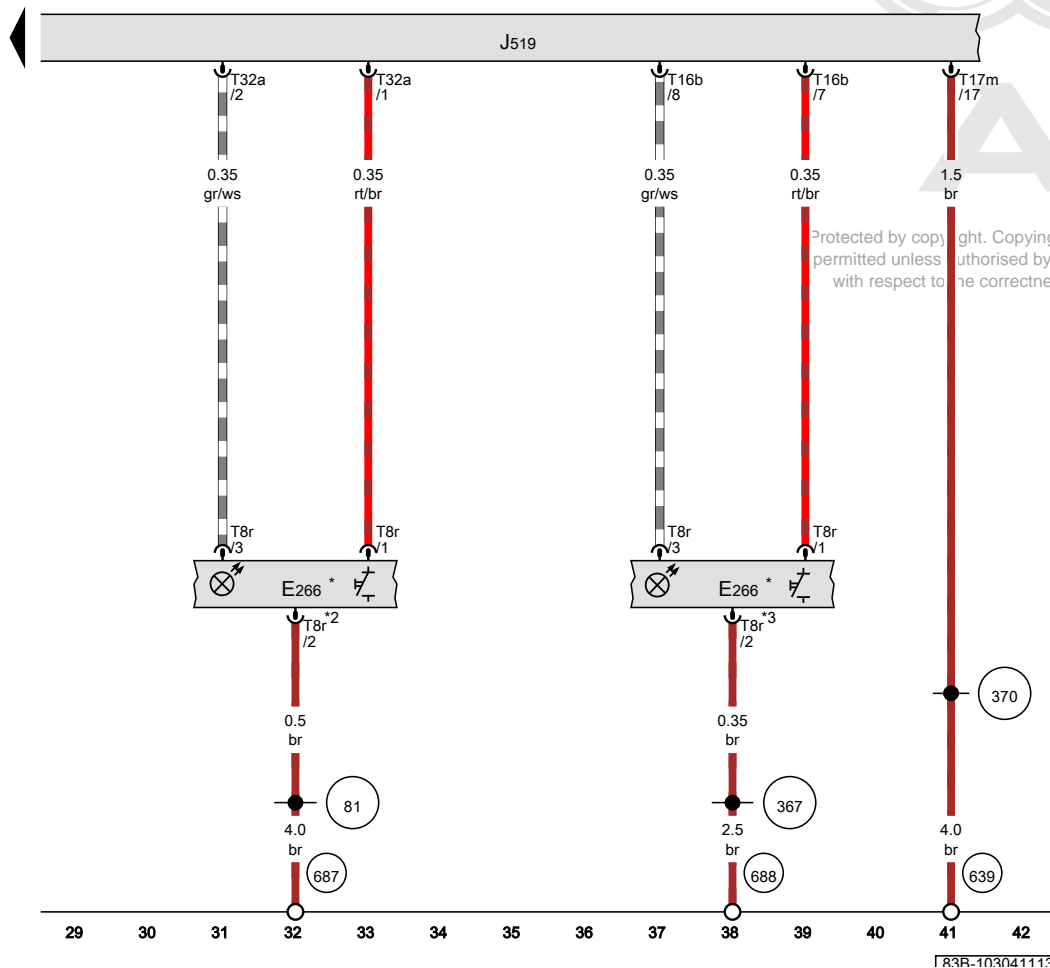
\* Only for vehicles with front/rear parking aid

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Parking aid button, Vehicle electrical system control module

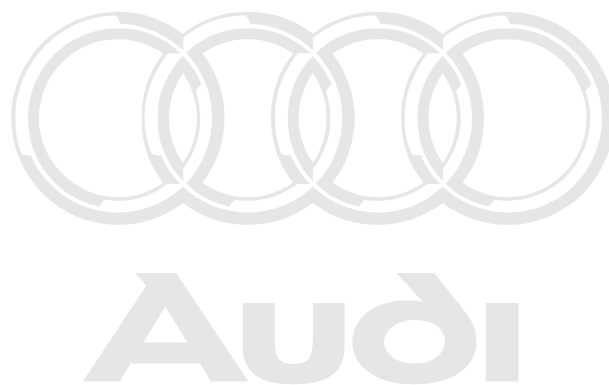
- E266 Parking aid button
- J519 Vehicle electrical system control module
- T8r 8-pin connector
- T16b 16-pin connector
- T17m 17-pin connector
- T32a 32-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel



**MMI with radio and basic sound system**

from May 2012

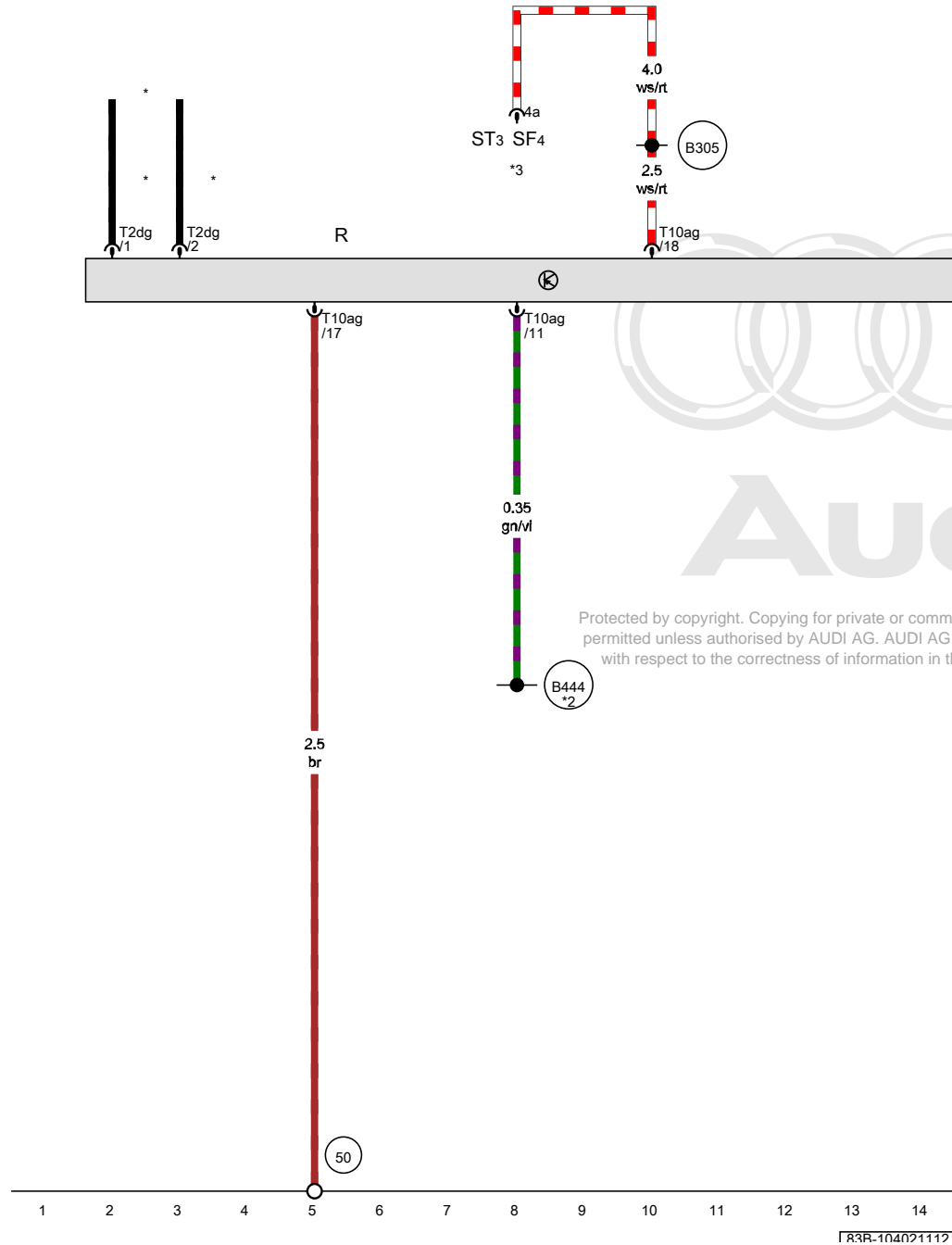


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# Radio

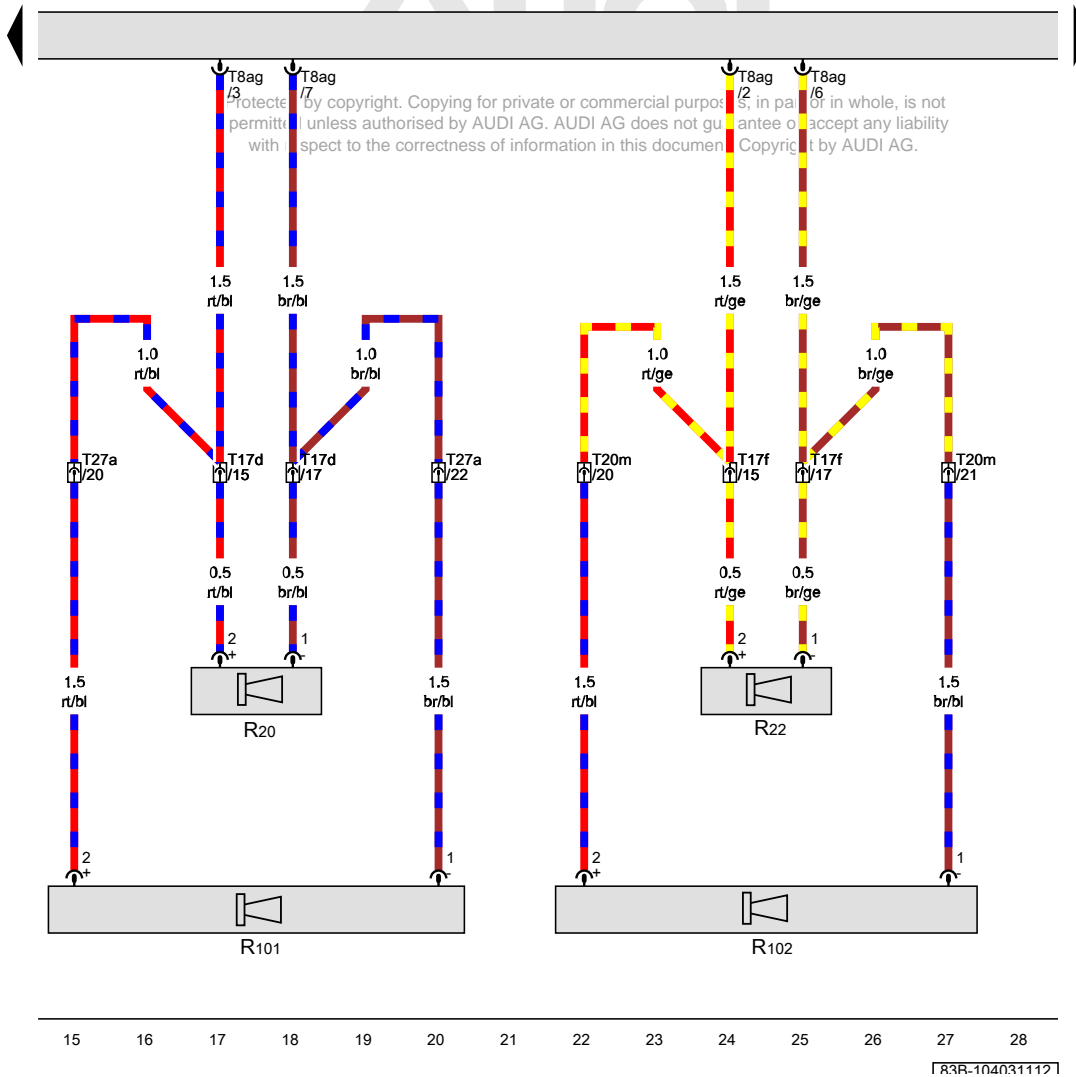
- R Radio
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- T2dg Double connector
- T10ag 10-pin connector
- 50 Ground connection in luggage compartment, left
- B305 Positive connection 9 (30) (in main wiring harness)
- B444 OBD connection 1 (in main wiring harness)
- \* Fiber optic cable
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions



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

Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- T8ag 8-pin connector
- T17d 17-pin connector, brown
- T17f 17-pin connector, brown
- T20m 20-pin connector, black
- T27a 27-pin connector, black

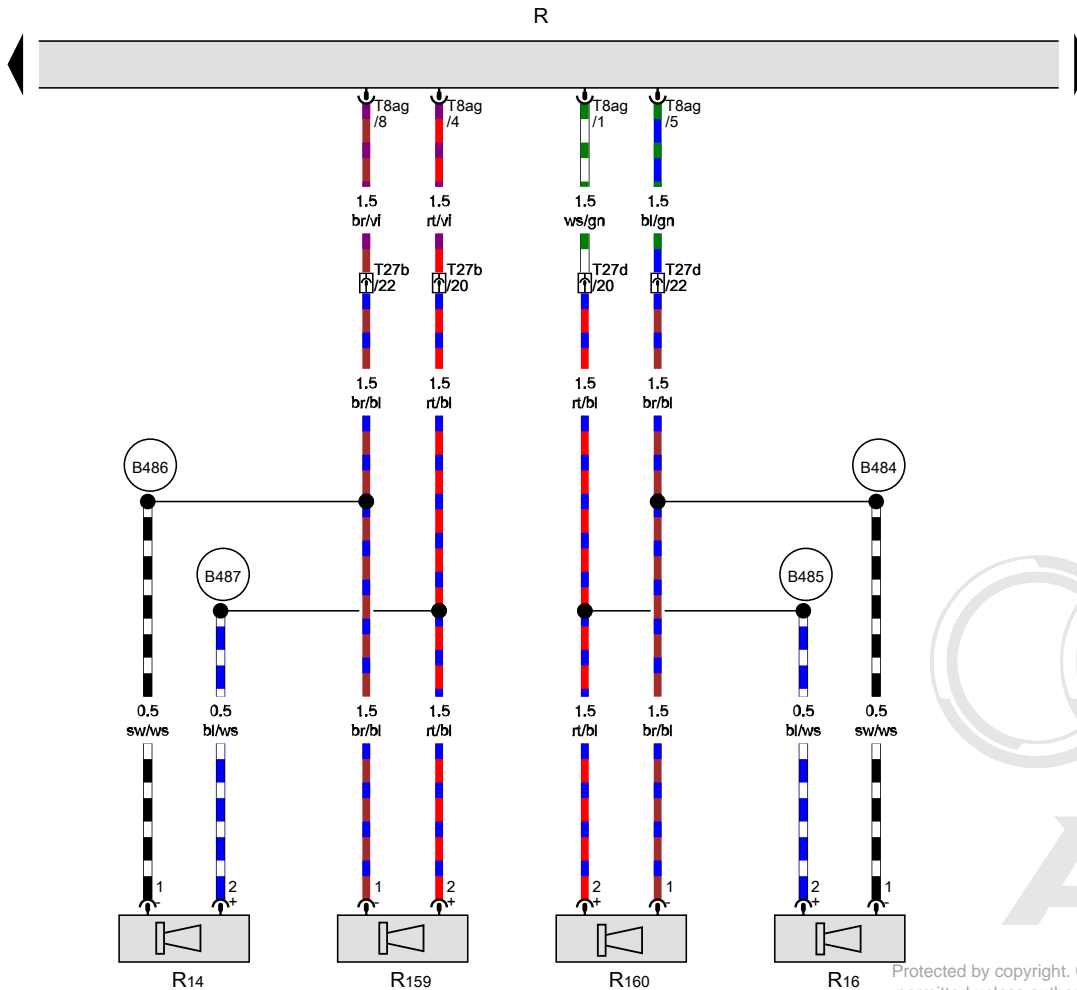


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- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
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- rs = pink

Radio, Left rear treble speaker, Right rear treble speaker,  
Left rear mid-bass speaker, Right rear mid-bass speaker

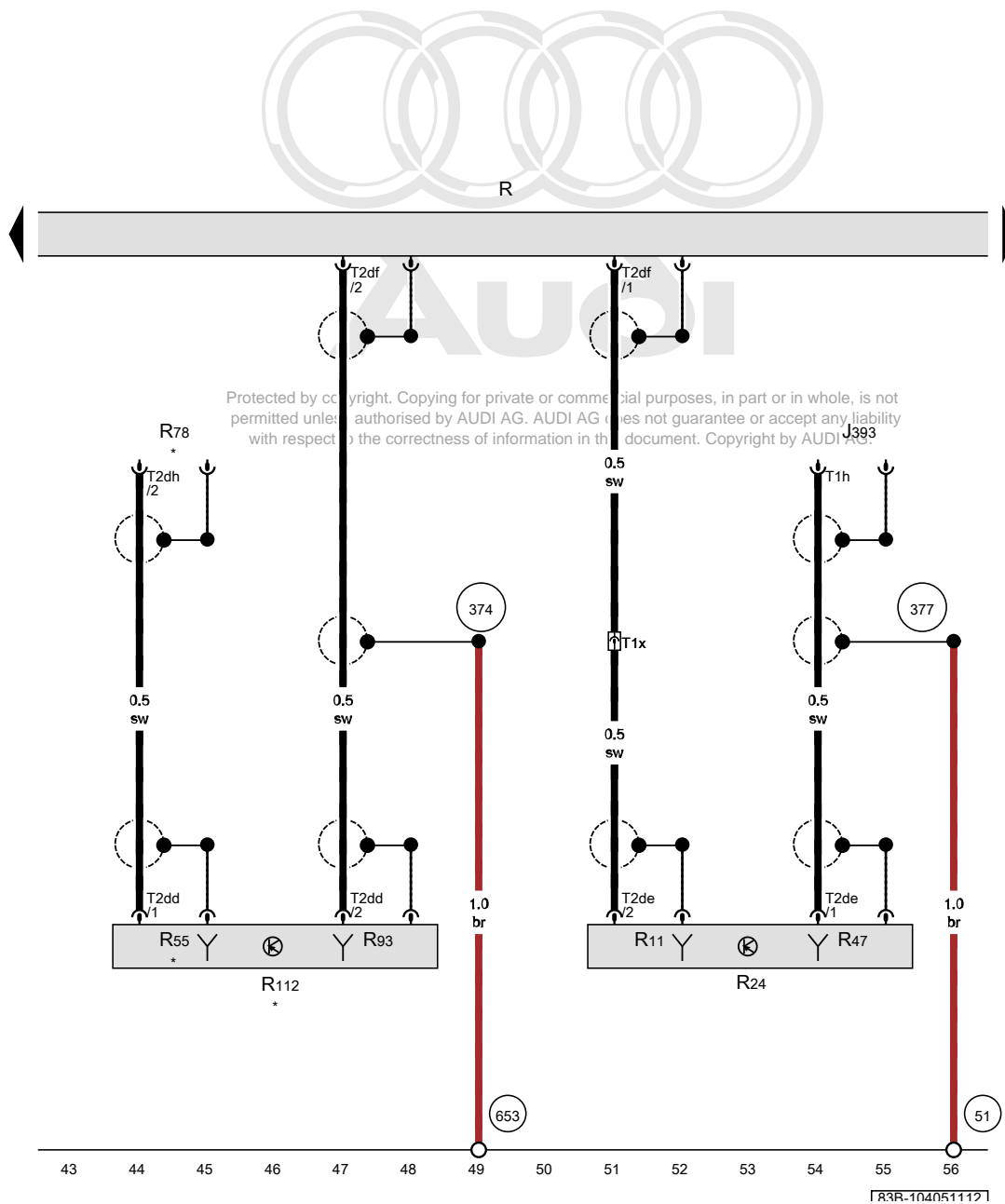
- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8ag 8-pin connector
- T27b 27-pin connector, black
- T27d 27-pin connector, black

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)



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Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, near the rear window
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar
- \* Only for vehicles with TV tuner

Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

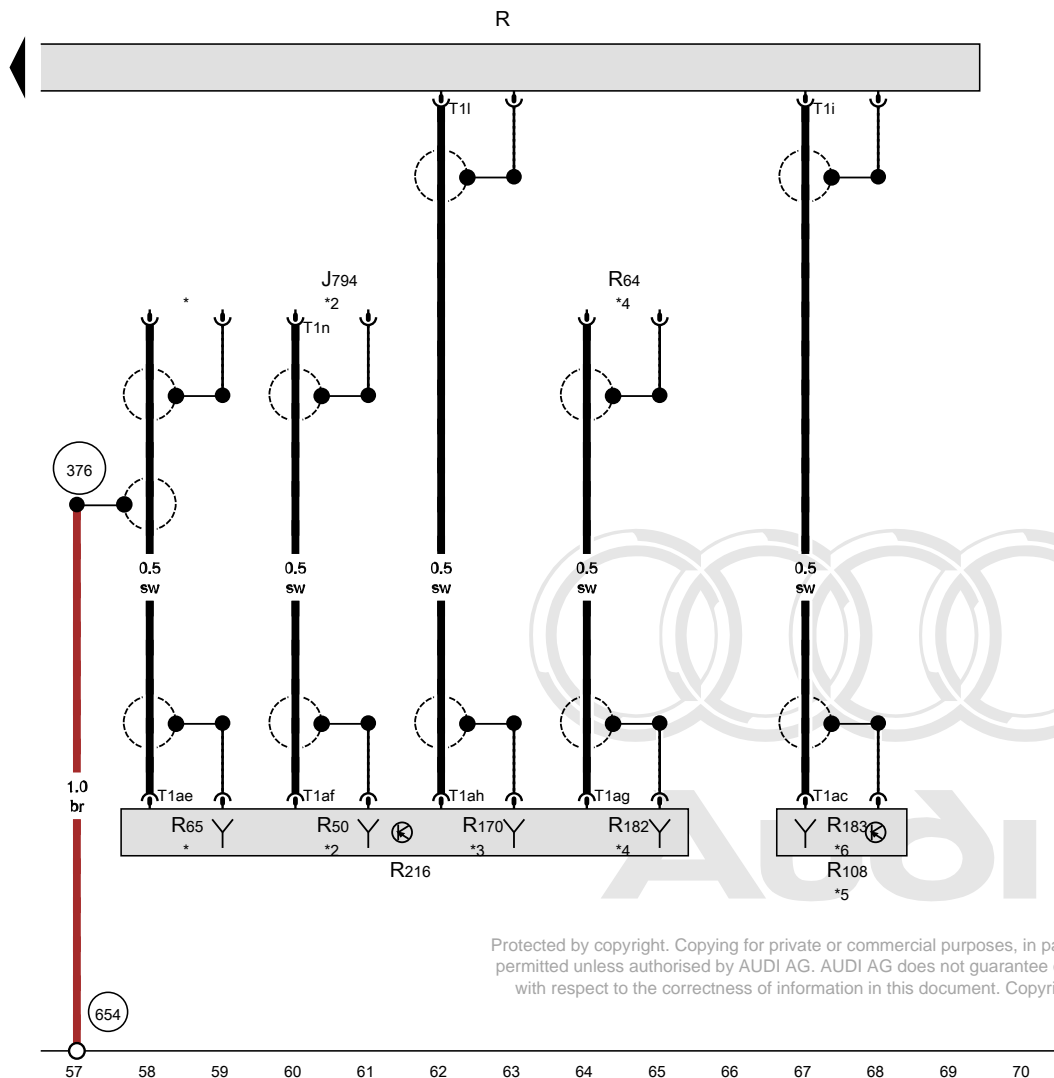
- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Only for vehicles with with a cell phone/telephone
- \*2 Optional equipment
- \*3 Only for vehicles with satellite radio
- \*4 Only for vehicles with an auxiliary heater
- \*5 Left side window
- \*6 Only for vehicles with a digital radio

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- ge = yellow
- or = orange
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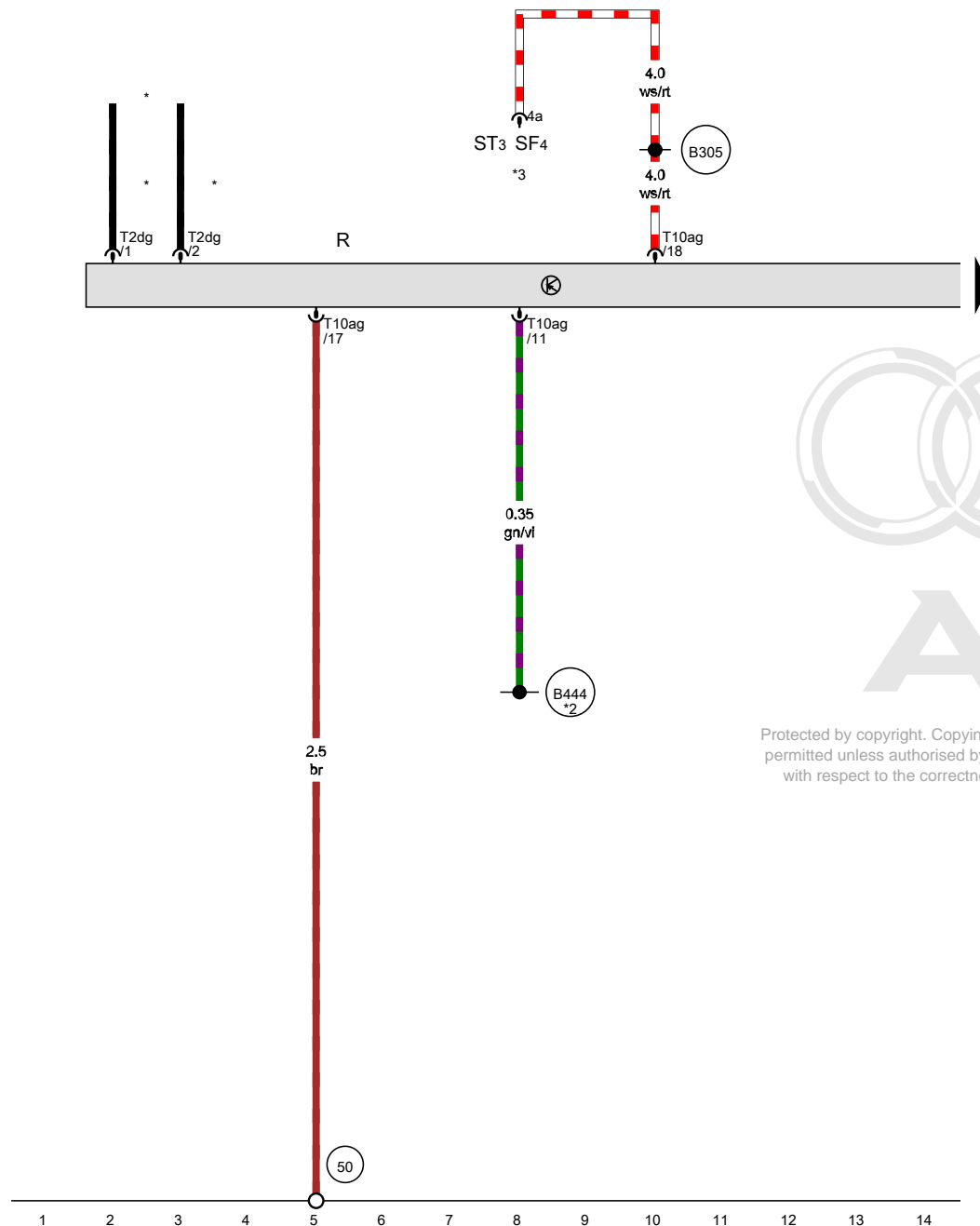
13R-1040R11171

**MMI with radio and standard sound system**  
from May 2012

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# Radio

- R Radio
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- T2dg Double connector
- T10ag 10-pin connector
- 50 Ground connection in luggage compartment, left
- B305 Positive connection 9 (30) (in main wiring harness)
- B444 OBD connection 1 (in main wiring harness)
- \* Fiber optic cable
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions



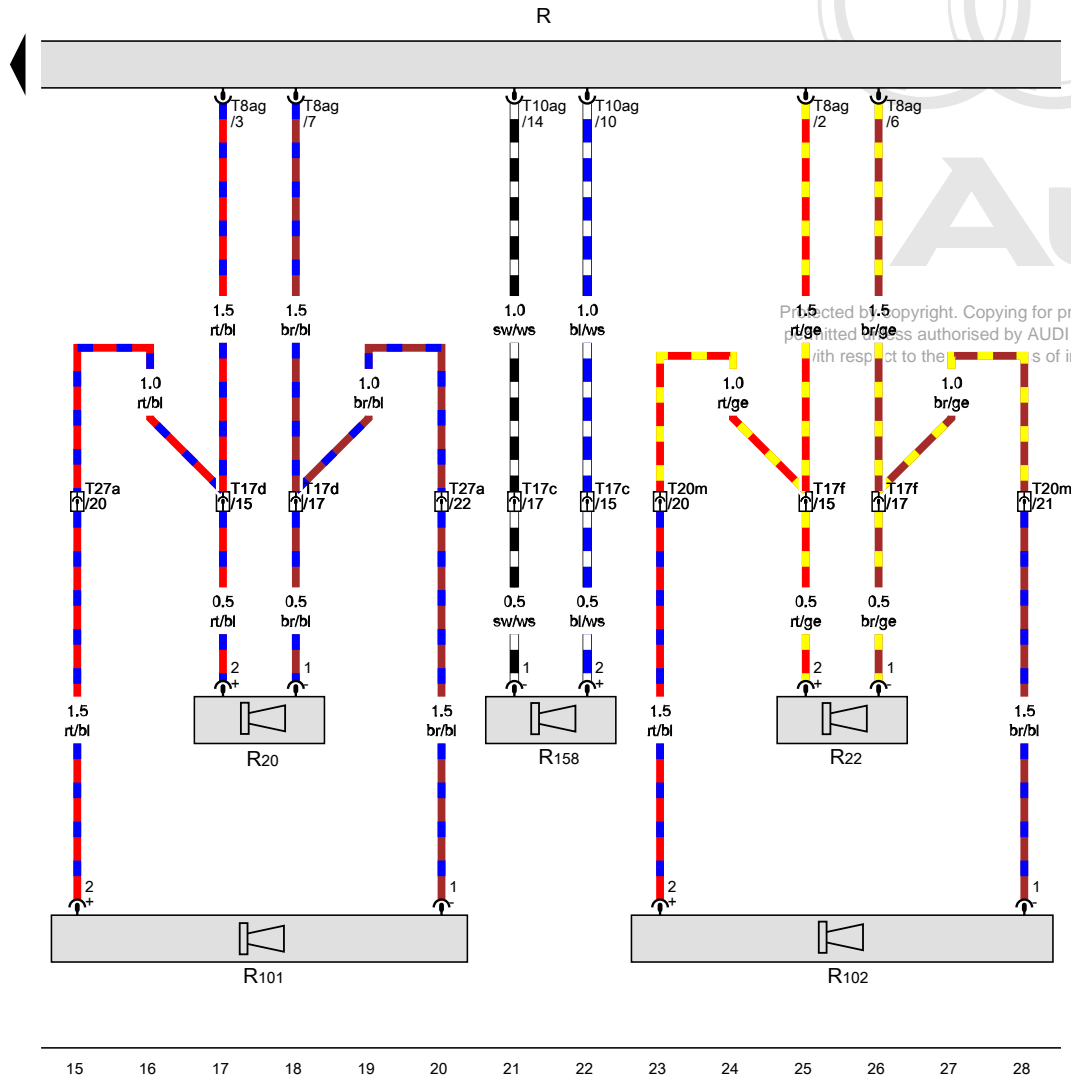
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183R-1050211121

Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker,  
Center mid-treble speaker

R	Radio
R20	Left front treble speaker
R22	Right front treble speaker
R101	Left front mid-bass speaker
R102	Right front mid-bass speaker
R158	Center mid-treble speaker
T8ag	8-pin connector
T10ag	10-pin connector
T17c	17-pin connector, black
T17d	17-pin connector, brown
T17f	17-pin connector, brown
T20m	20-pin connector, Right A-pillar, bottom
T27a	27-pin connector, Left A-pillar, bottom



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

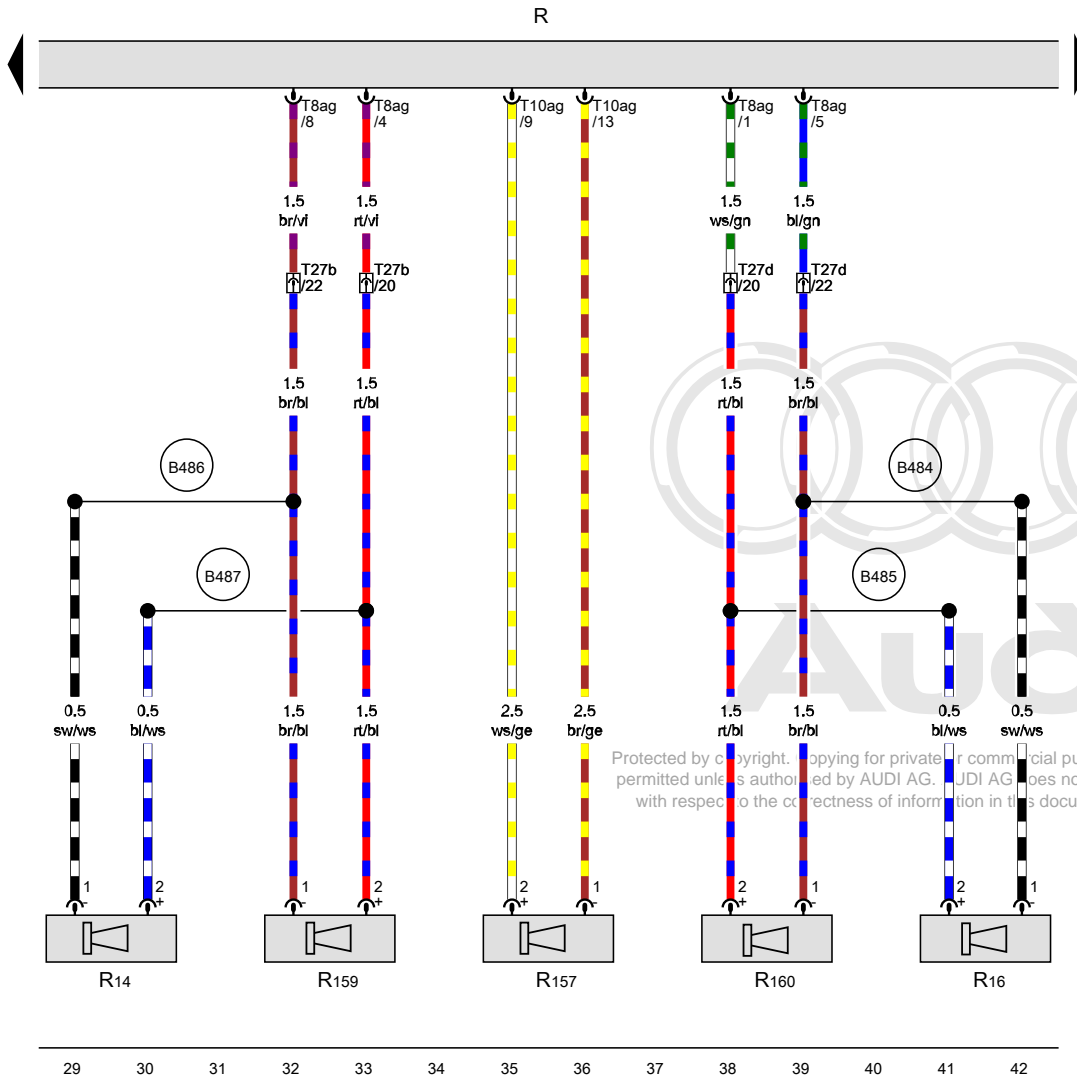
1R3R-1050311121



Radio, Left rear treble speaker, Right rear treble speaker, Subwoofer in rear shelf, Left rear mid-bass speaker, Right rear mid-bass speaker

- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R157 Subwoofer in rear shelf, in the spare wheel well
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8ag 8-pin connector
- T10ag 10-pin connector
- T27b 27-pin connector, Left B-pillar, bottom
- T27d 27-pin connector, Right B-pillar, bottom

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)



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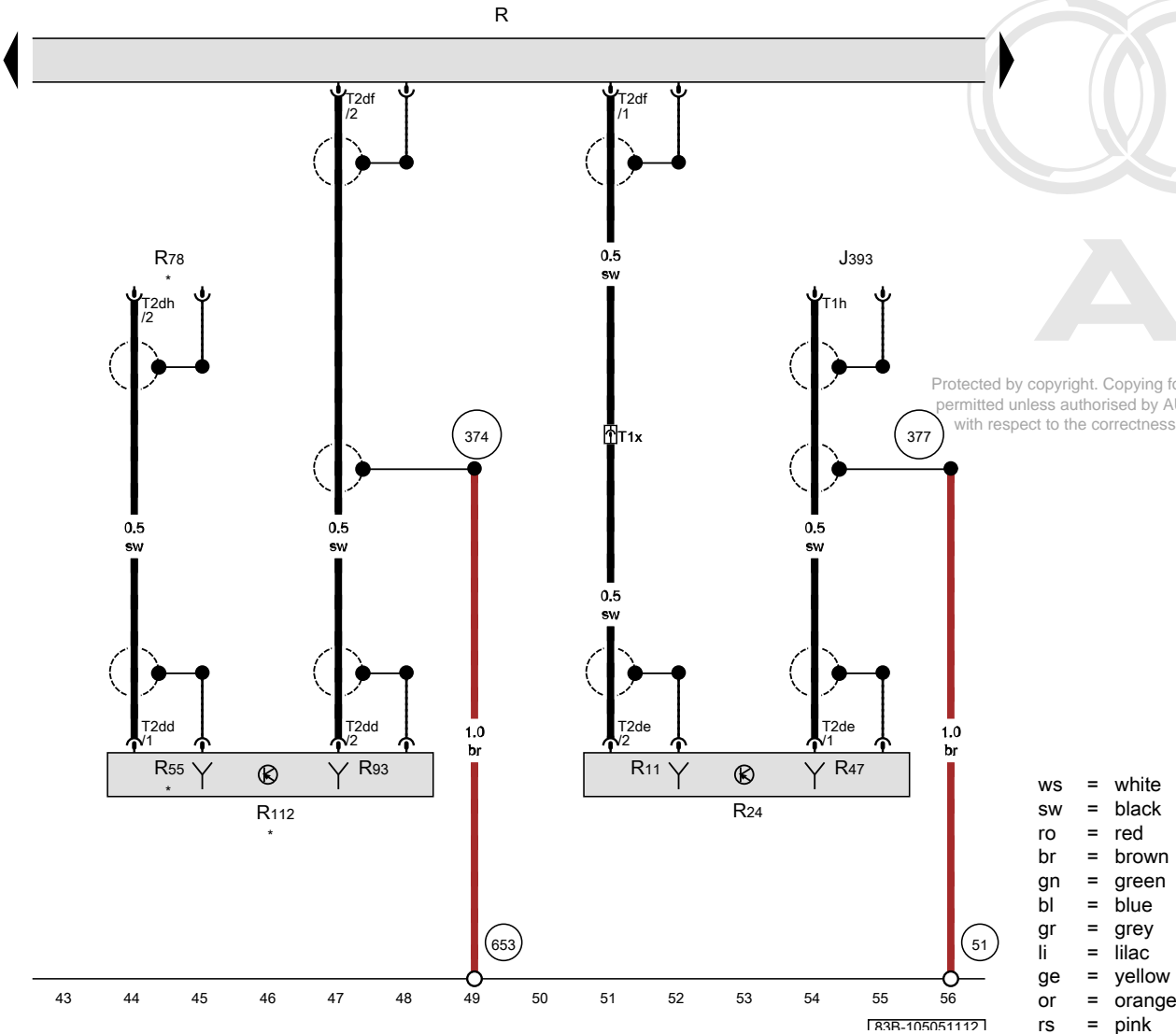
183B-1050411121

Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, near the rear window
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

\* Only for vehicles with TV tuner



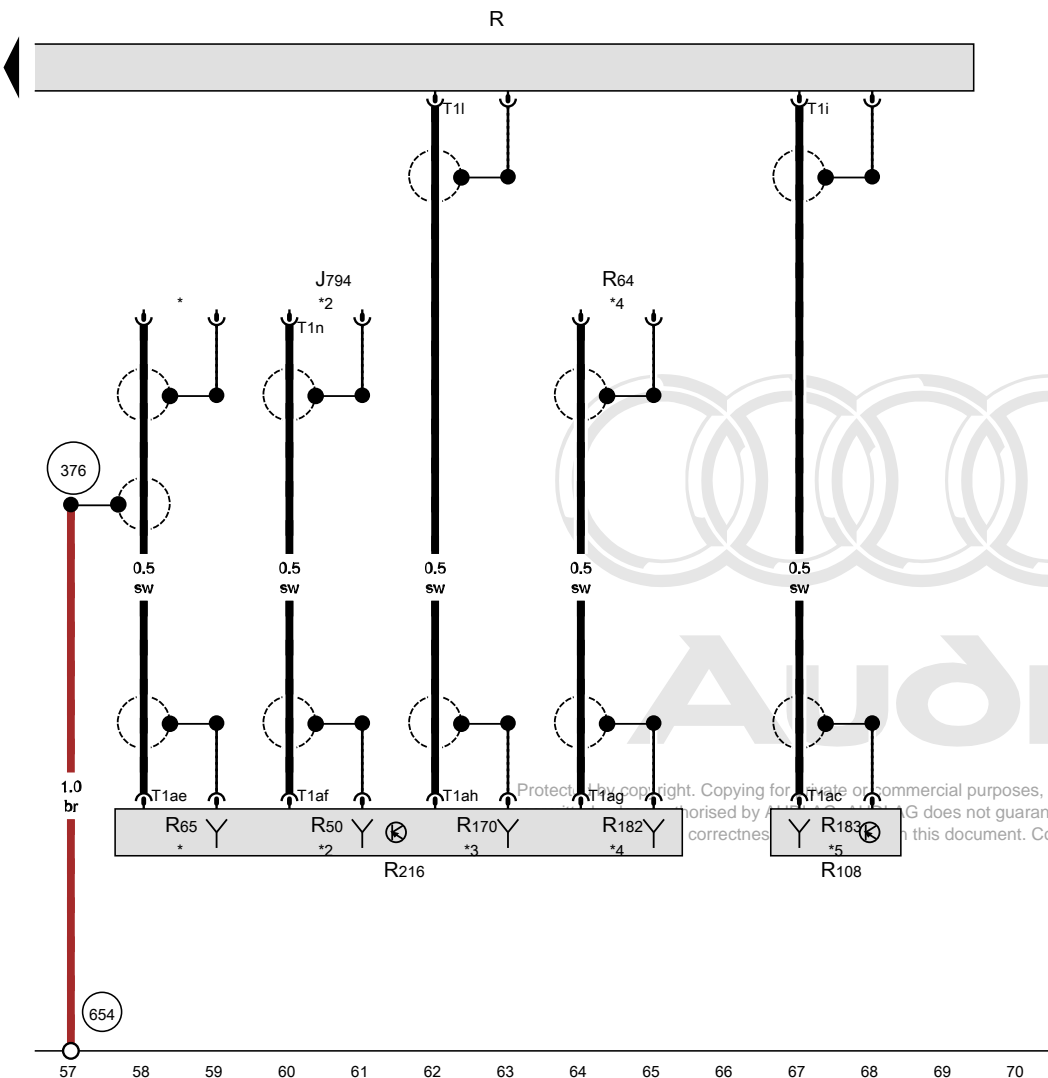
Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module, in the left side window
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Only for vehicles with a cell phone/telephone
- \*2 Optional equipment
- \*3 Only for vehicles with satellite radio
- \*4 Only for vehicles with an auxiliary heater
- \*5 Only for vehicles with a digital radio



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183B-1050611121

## MMI with radio and Bang & Olufsen sound system

from May 2012

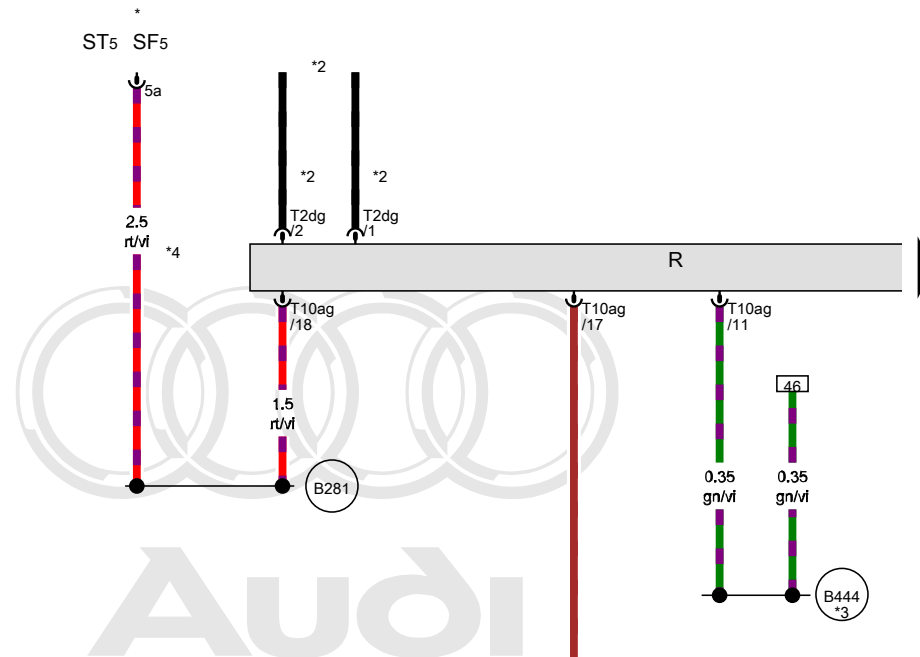


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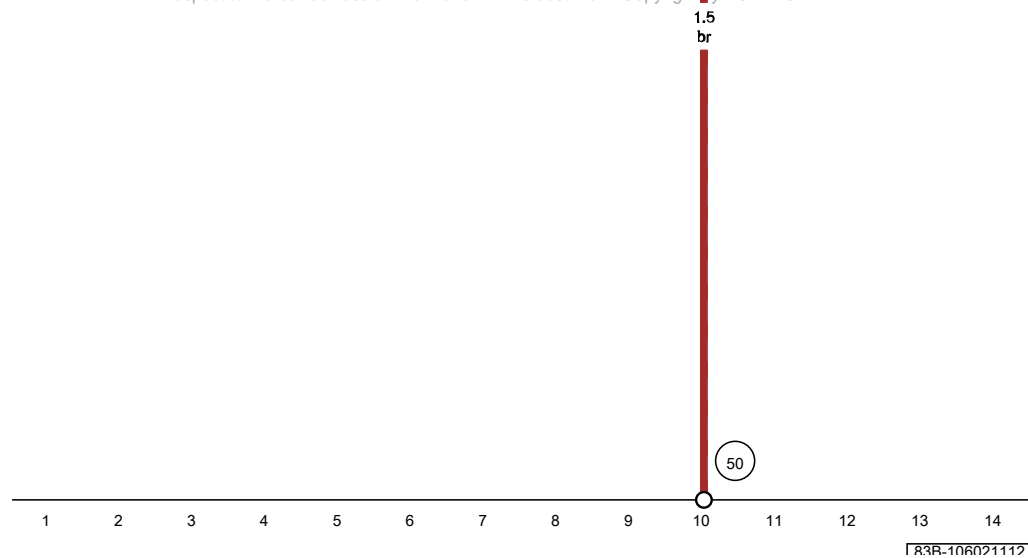
## Radio

R Radio  
SF5 Fuse 5 (on fuse panel F)  
ST5 Fuse panel 5  
T2dg Double connector  
T10ag 10-pin connector

- 50 Ground connection in luggage compartment, left
- B281 Positive connection 5 (15a) (in main wiring harness)
- B444 OBD connection 1 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Fiber optic cable
- \*3 Refer to applicable wiring diagram for ring break diagnosis
- \*4 Diameter depends on equipment

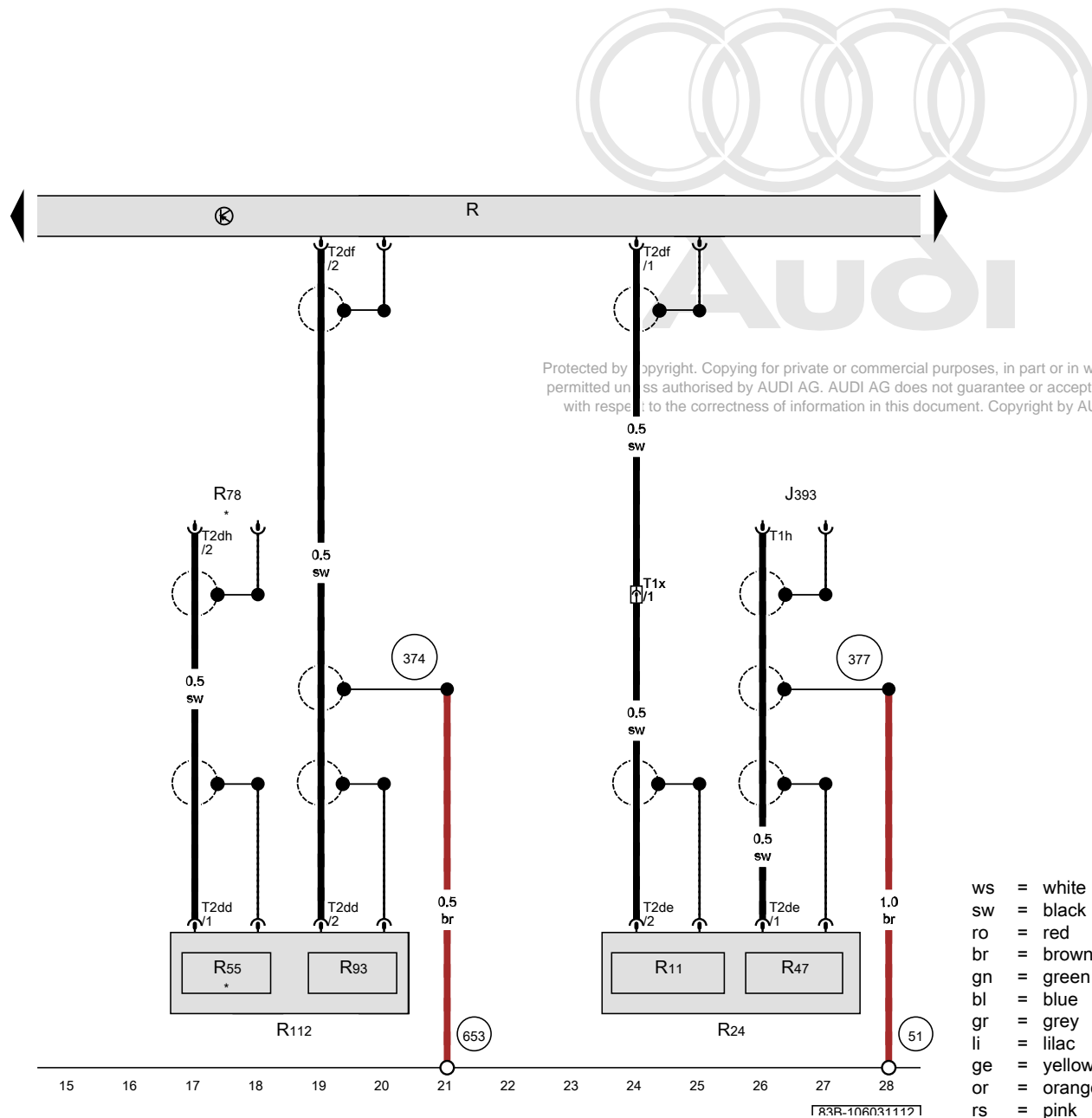


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183R-1060211121



Comfort system central control module, Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, TV antenna 1, TV tuner, Radio antenna 2, Antenna amplifier 3

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R47 Central locking and anti-theft alarm system antenna
- R55 TV antenna 1
- R78 TV tuner
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- T1h Single connector
- T1x Single connector, gray
- T2dd Double connector
- T2de Double connector
- T2df Double connector
- T2dh Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar
- \* Only for vehicles with TV tuner

Information electronics control module 1, Radio, GPS antenna, Auxiliary heater radio receiver, Telephone antenna, Left antenna module, Satellite antenna, Auxiliary heater antenna, Digital radio antenna, Roof antenna

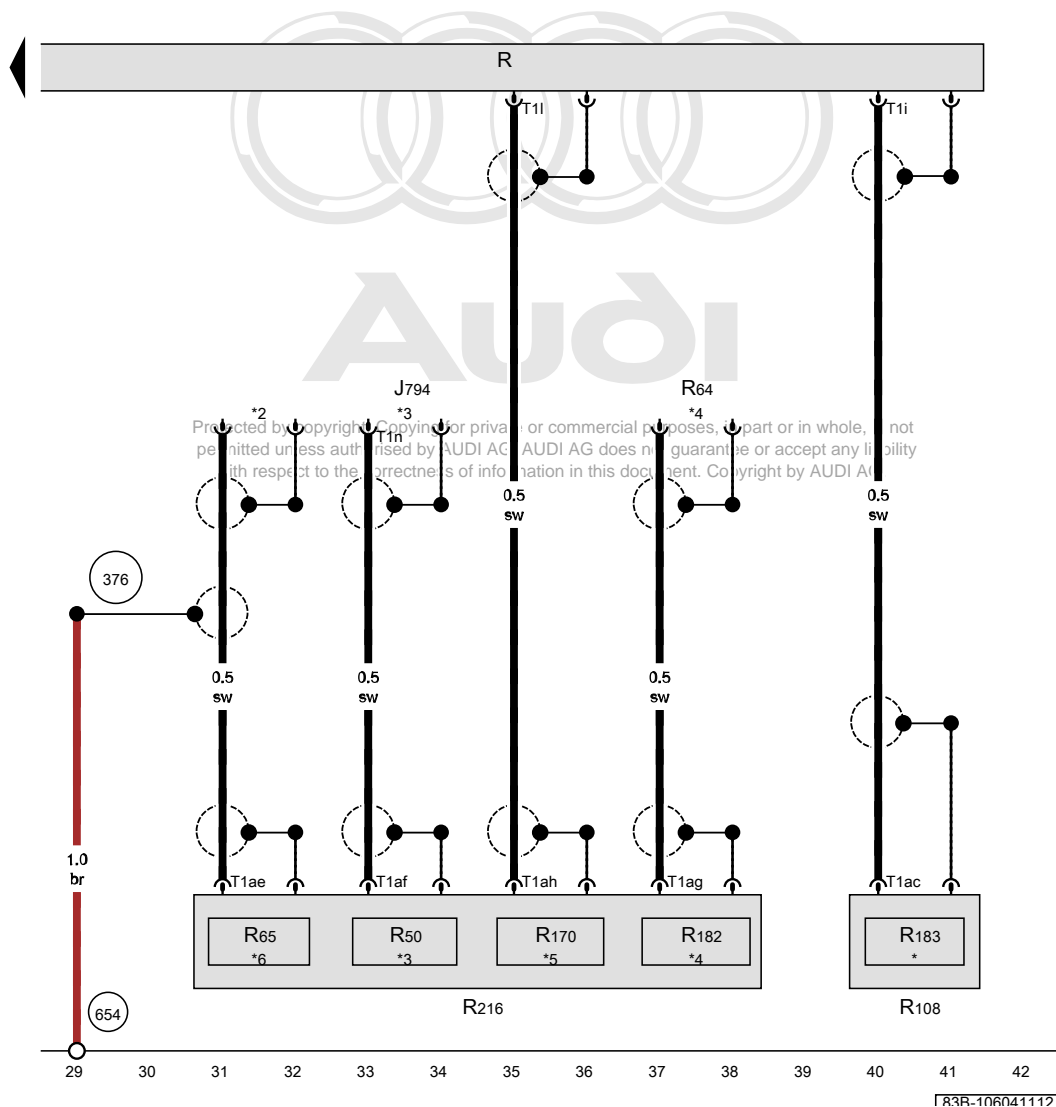
- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R108 Left antenna module, in the left side window
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1i Single connector
- T1l Single connector
- T1n Single connector

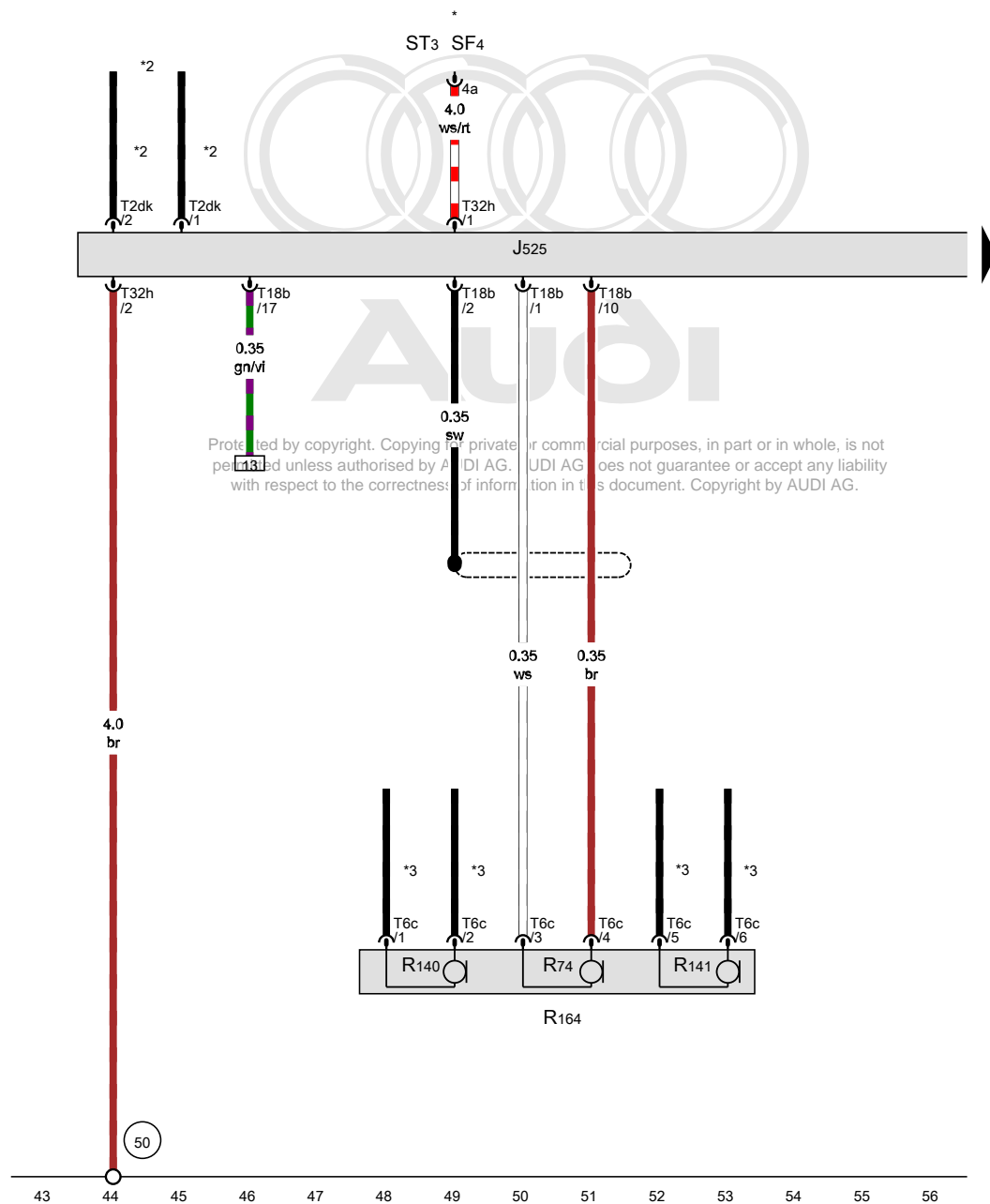
376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Only for vehicles with a digital radio
- \*2 Refer to applicable telephone systems wiring diagram
- \*3 Optional equipment
- \*4 Only for vehicles with an auxiliary heater
- \*5 Only for vehicles with satellite radio
- \*6 Only for vehicles with with a cell phone/telephone

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





Digital sound system control module, Interior microphone, Left front microphone, Right front microphone, Microphone unit in front roof module

- J525 Digital sound system control module
- R74 Interior microphone
- R140 Left front microphone
- R141 Right front microphone
- R164 Microphone unit in front roof module
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- T2dk Double connector
- T6c 6-pin connector
- T18b 18-pin connector
- T32h 32-pin connector

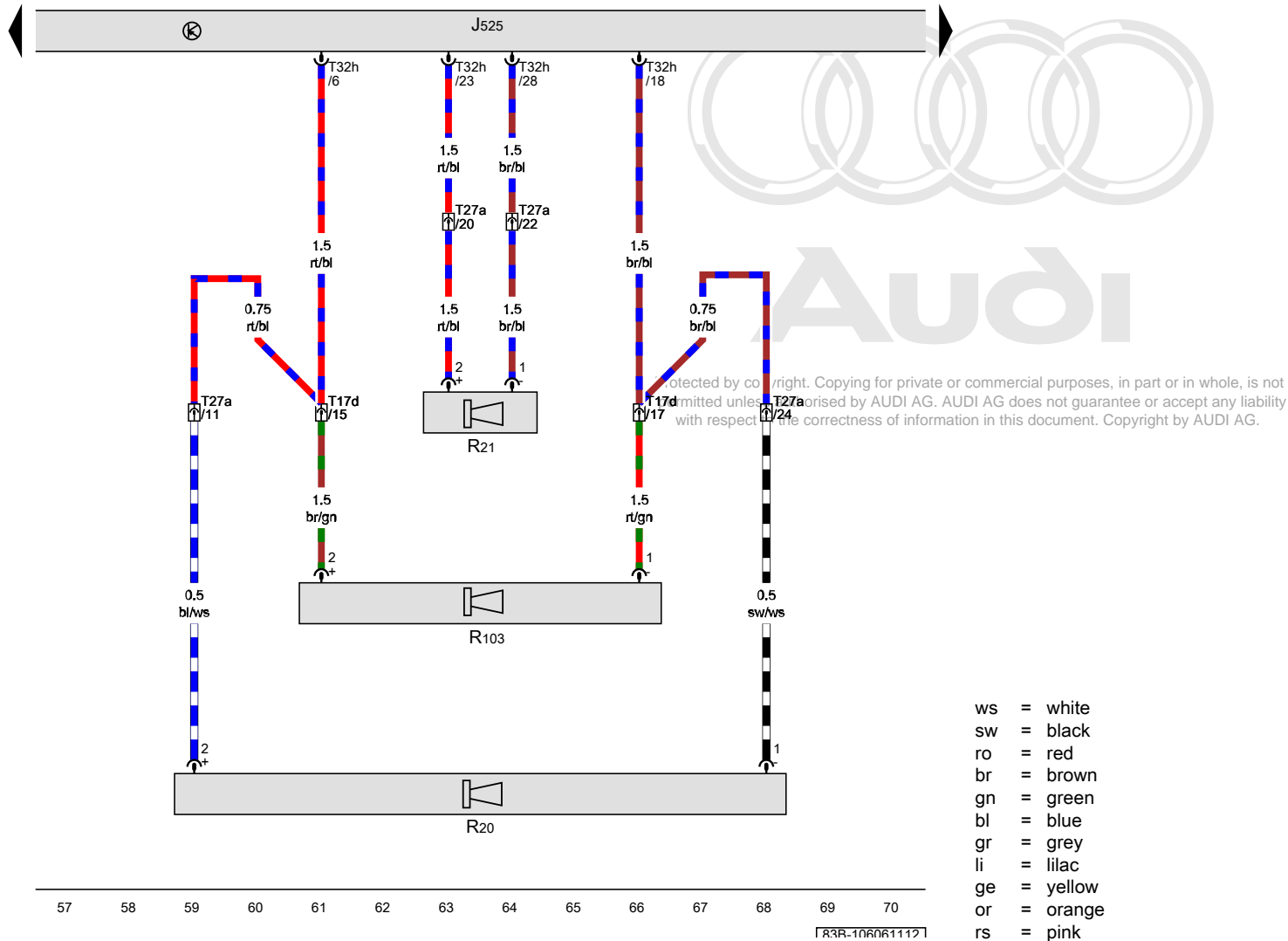
50 Ground connection in luggage compartment, left

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Fiber optic cable
- \*3 Refer to applicable telephone systems wiring diagram



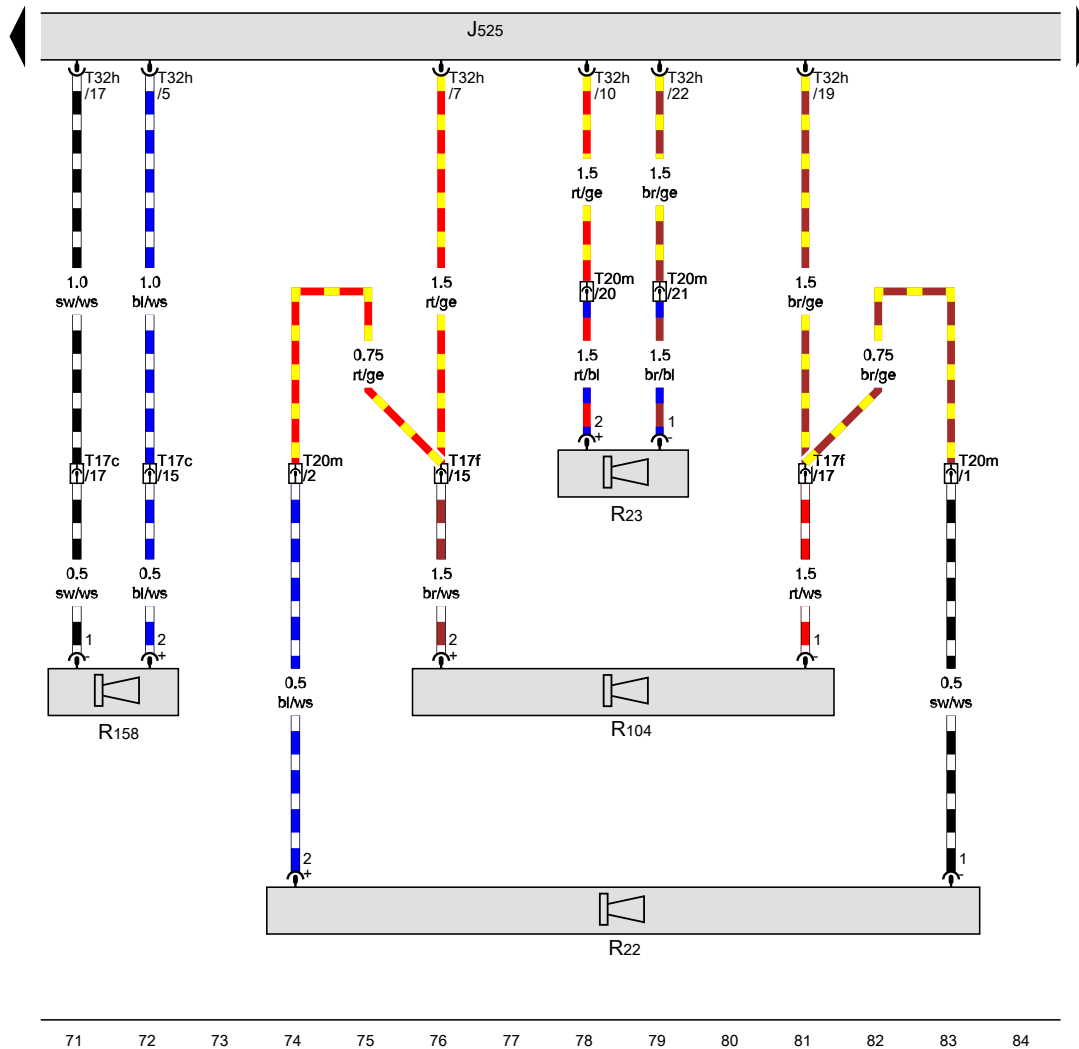
Digital sound system control module, Left front treble speaker, Left front bass speaker, Left front midrange speaker

- J525 Digital sound system control module
- R20 Left front treble speaker
- R21 Left front bass speaker
- R103 Left front midrange speaker
- T17d 17-pin connector, brown
- T27a 27-pin connector, black
- T32h 32-pin connector



Digital sound system control module, Right front treble speaker, Right front bass speaker, Right front midrange speaker, Center mid-treble speaker

- J525 Digital sound system control module
- R22 Right front treble speaker
- R23 Right front bass speaker
- R104 Right front midrange speaker
- R158 Center mid-treble speaker
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T20m 20-pin connector, black
- T32h 32-pin connector



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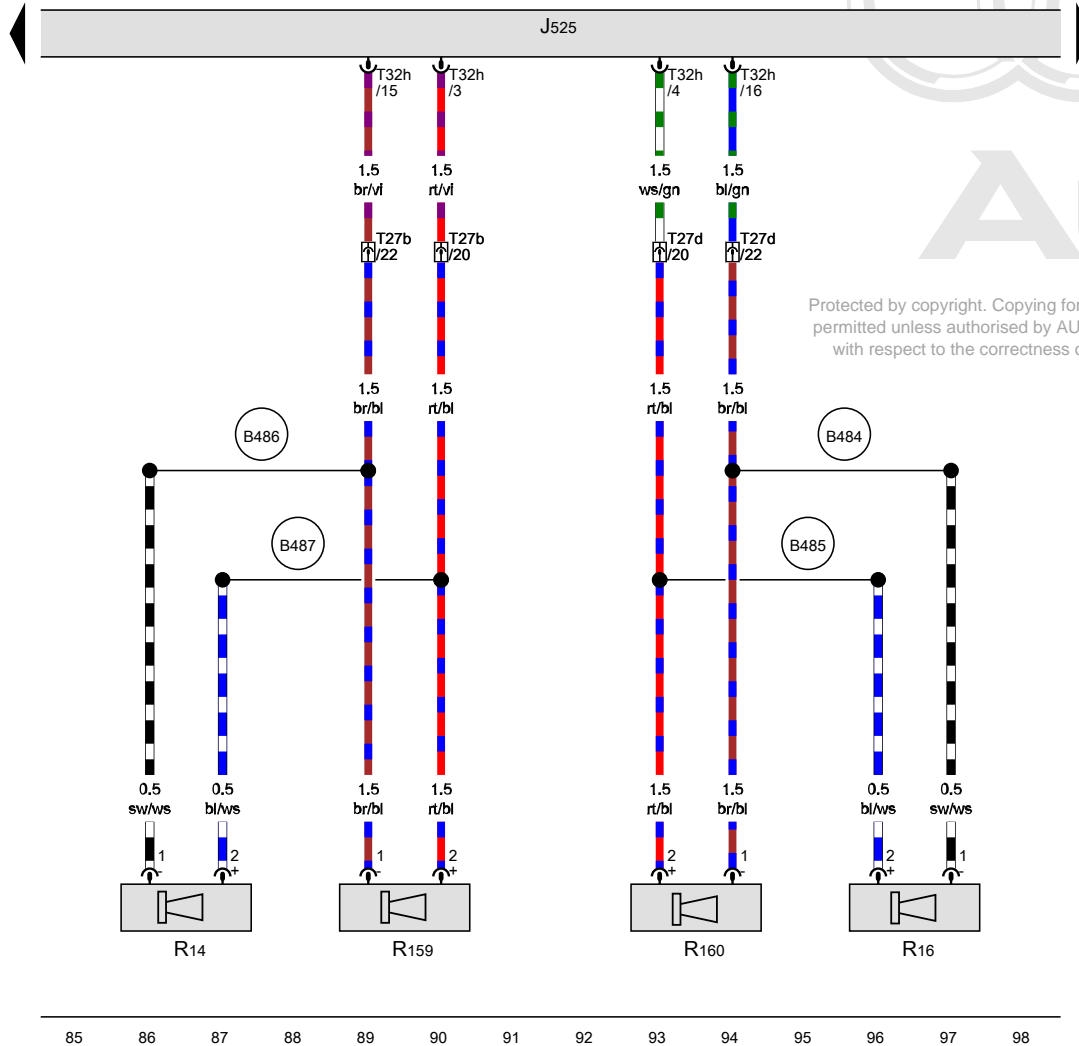
[A3B-106071112]

Digital sound system control module, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

- J525 Digital sound system control module
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T27b 27-pin connector, black
- T27d 27-pin connector, black
- T32h 32-pin connector

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)

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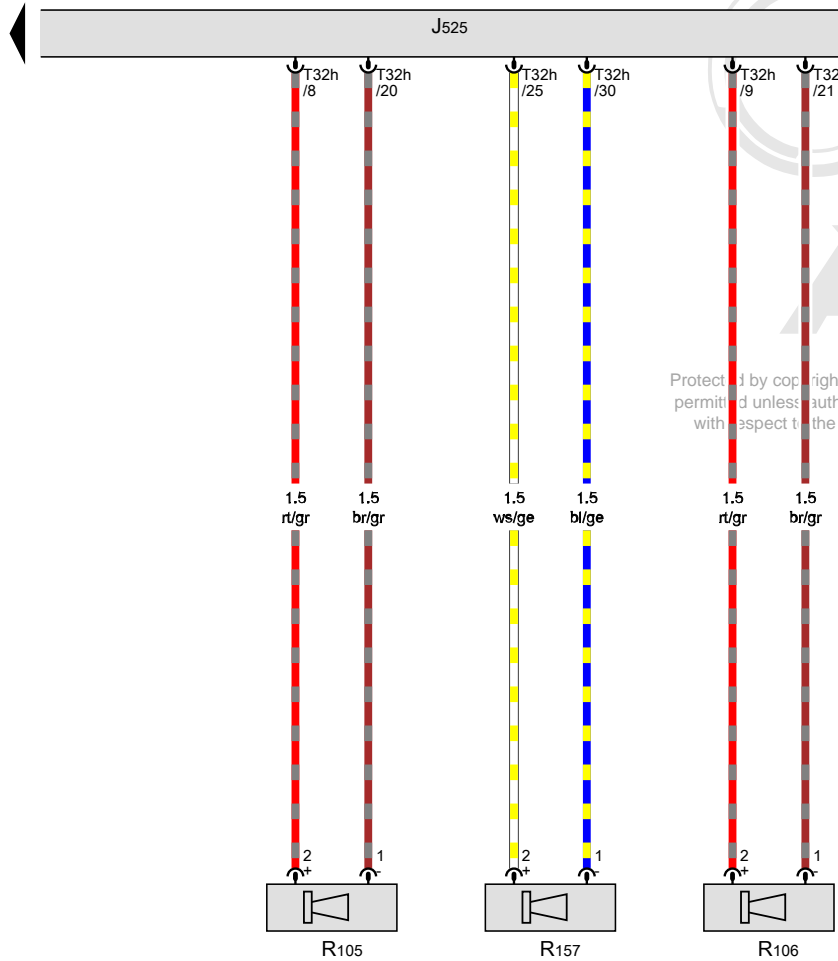


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- bl = blue
- gr = grey
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- or = orange
- rs = pink

[A3B-106081112]

Digital sound system control module, Left rear midrange speaker, Right rear midrange speaker, Subwoofer in rear shelf

- J525 Digital sound system control module
- R105 Left rear midrange speaker
- R106 Right rear midrange speaker
- R157 Subwoofer in rear shelf, in the spare wheel well
- T32h 32-pin connector



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**MMI (information electronics 1)**

from May 2012



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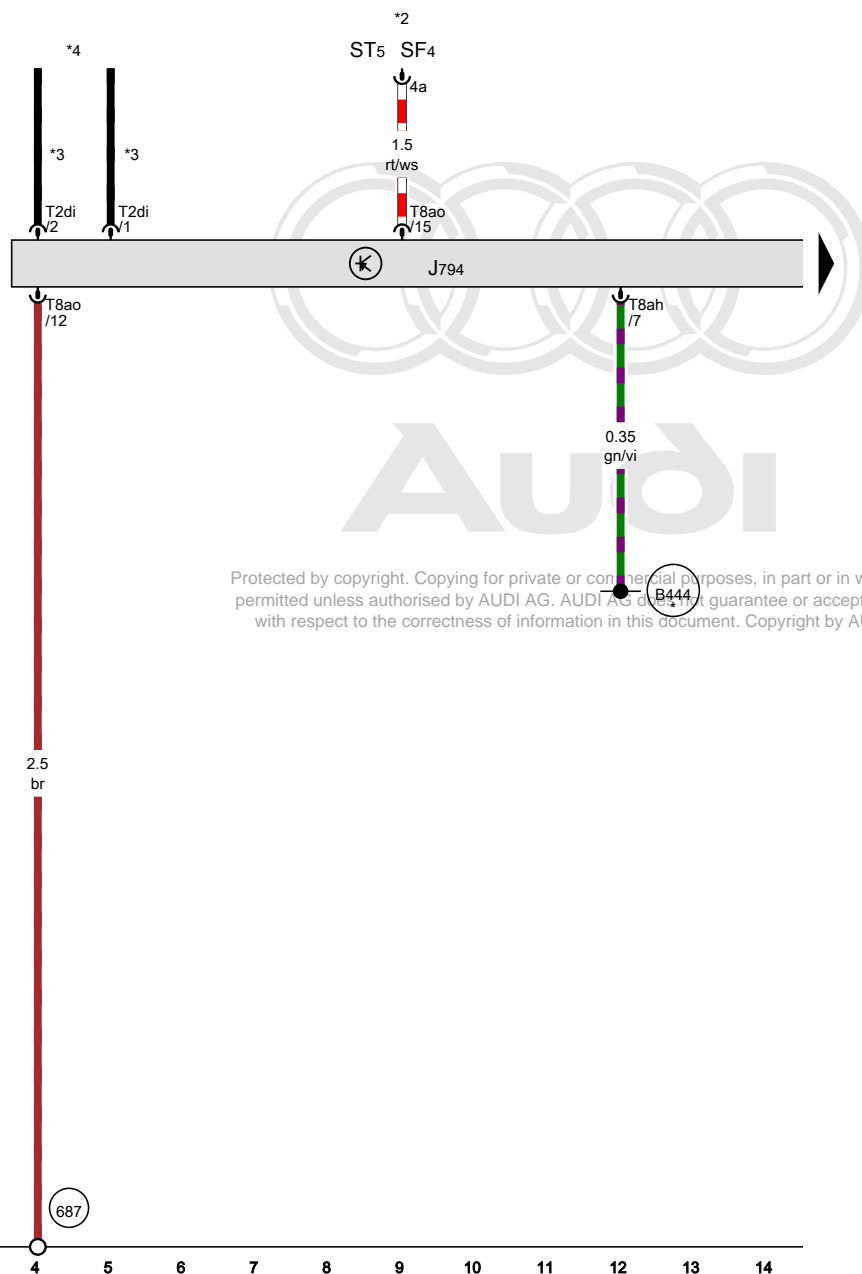
# Information electronics control module 1

- J794 Information electronics control module 1
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T2di Double connector
- T8ah 8-pin connector
- T8ao 8-pin connector

687 Ground connection 1 on center tunnel

B444 OBD connection 1 (in main wiring harness)

- \* Refer to applicable wiring diagram for ring break diagnosis
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 Fiber optic cable
- \*4 Refer to applicable wiring diagram for data bus networking

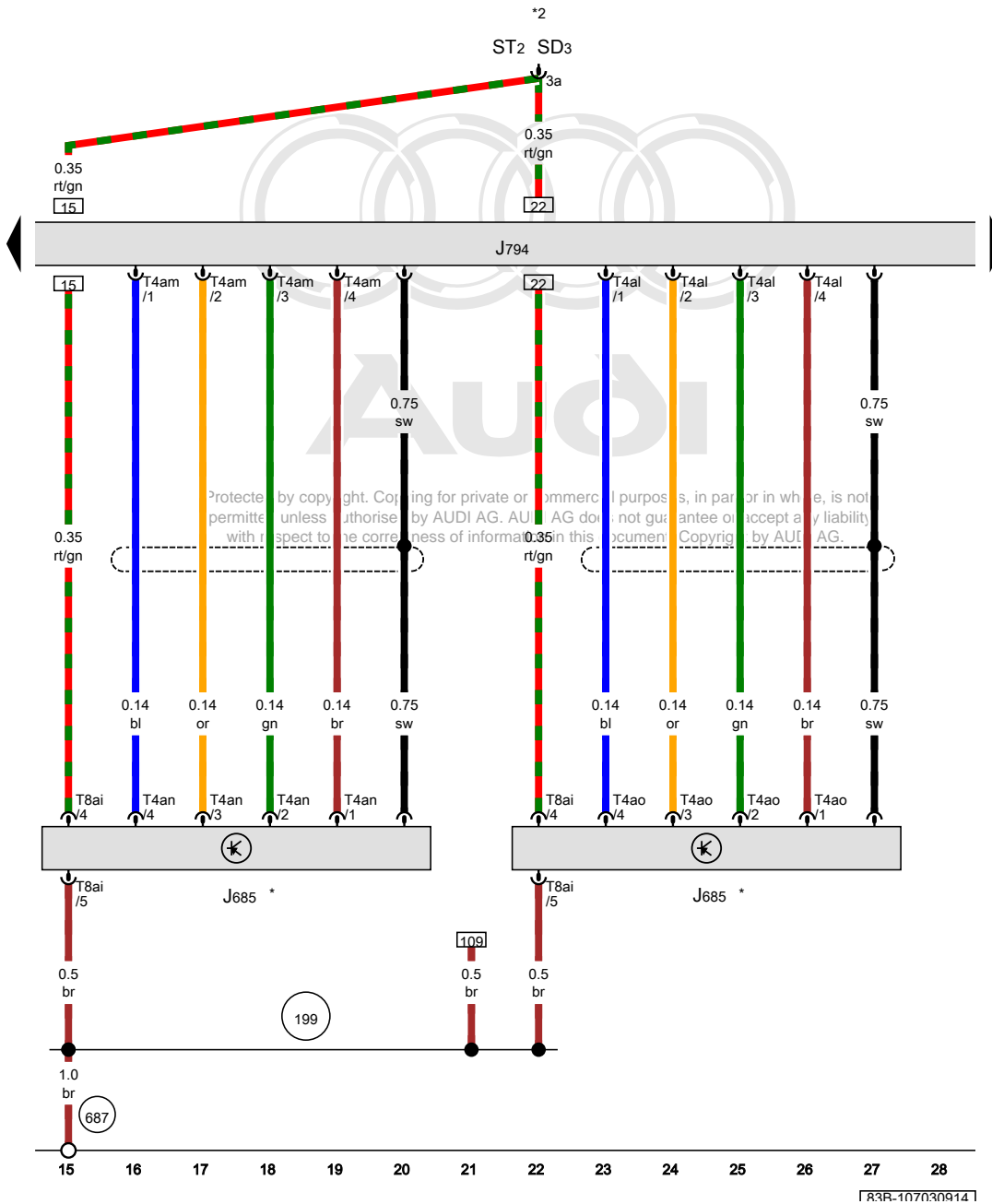


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- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183B-1070209141

Front information display control head, Information electronics control module 1



- J685 Front information display control head
- J794 Information electronics control module 1
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T4al 4-pin connector
- T4am 4-pin connector
- T4an 4-pin connector
- T4ao 4-pin connector
- T8ai 8-pin connector

199 Ground connection 3 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

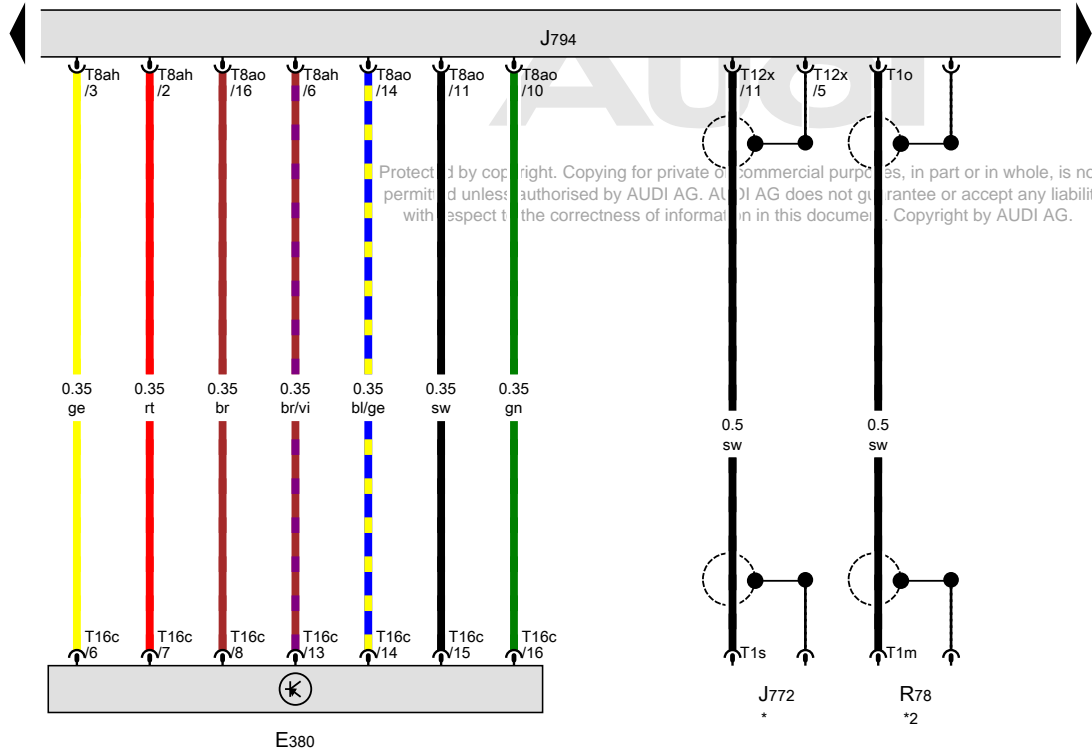
\* Depending on equipment

\*2 Refer to applicable wiring diagram for fuse positions



Multimedia system control head, Rearview camera system control module, Information electronics control module 1, TV tuner

- E380 Multimedia system control head
- J772 Rearview camera system control module
- J794 Information electronics control module 1
- R78 TV tuner
- T1m Single connector
- T1o Single connector
- T1s Single connector
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12x 12-pin connector
- T16c 16-pin connector
- \* Only for vehicles with a rearview camera system
- \*2 Only for vehicles with TV tuner

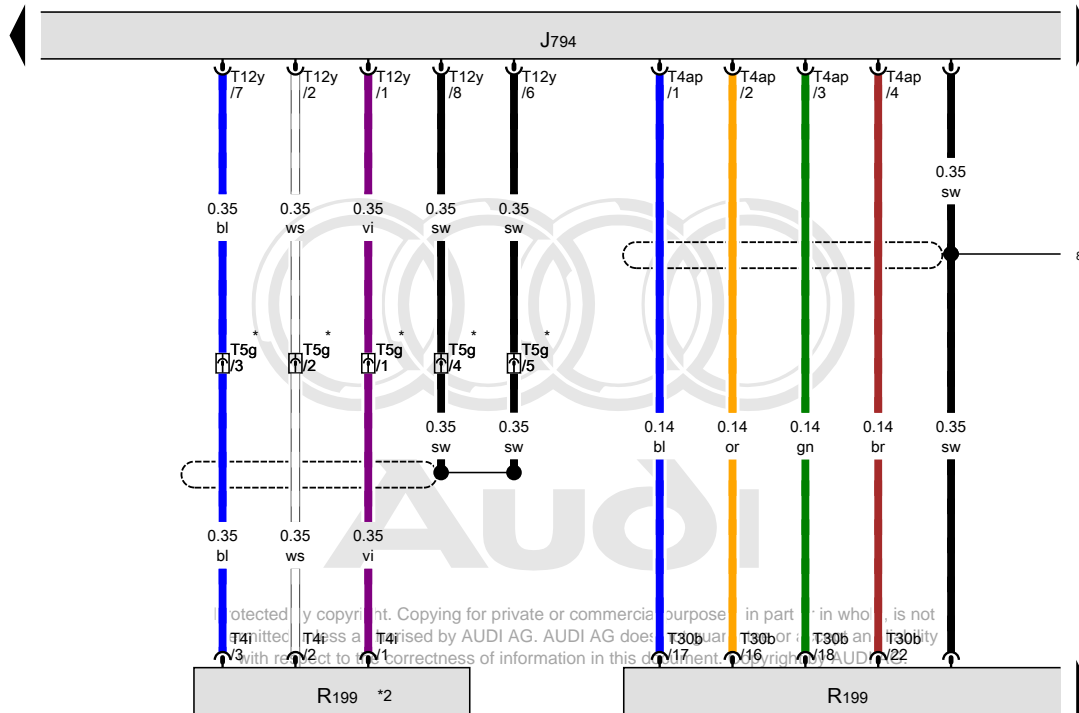


- ws = white
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



Information electronics control module 1, External audio source connection

- J794 Information electronics control module 1
- R199 External audio source connection
- T4ap 4-pin connector
- T4i 4-pin connector
- T5g 5-pin connector
- T12y 12-pin connector
- T30b 30-pin connector
- \* Only for vehicles with center armrest
- \*2 Only for vehicles with external audio source connection - AUX-In connection

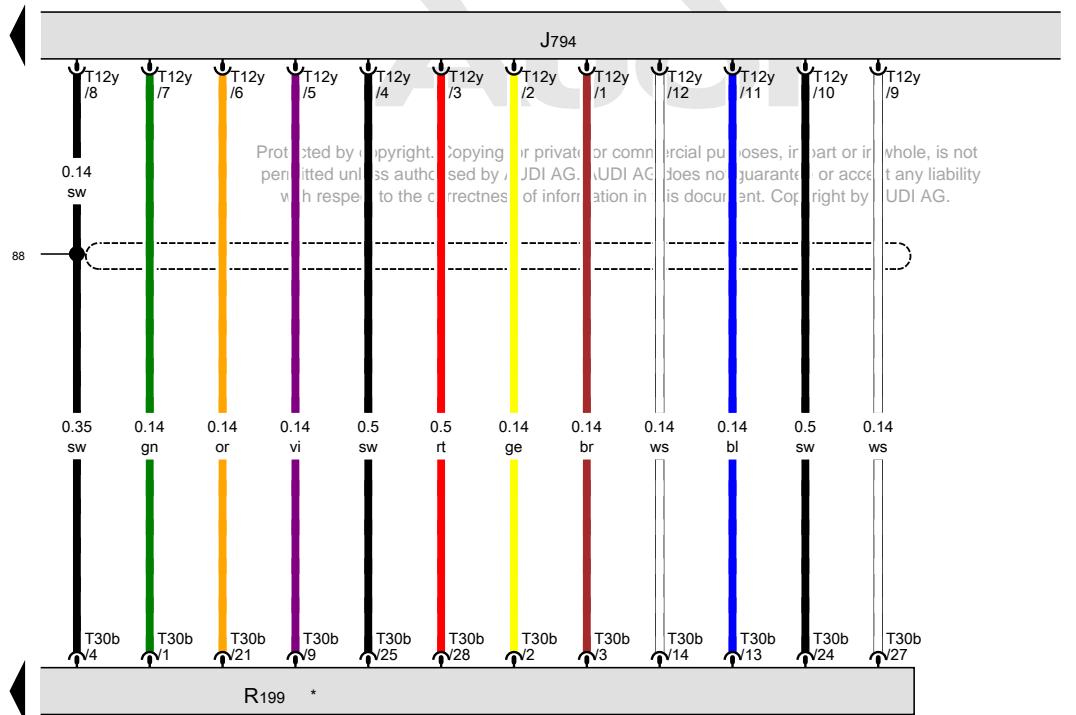


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- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



## Information electronics control module 1, External audio source connection

- J794 Information electronics control module 1
- R199 External audio source connection
- T12y 12-pin connector
- T30b 30-pin connector
- \* Only for vehicles with external audio source connection - Audi music interface



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- gn = green
- bl = blue
- gr = grey
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- vi = lilac
- ge = yellow
- or = orange
- rs = pink

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

183B-107060914

Information electronics control module 1, GPS antenna, Telephone antenna, Satellite antenna, Auxiliary heater antenna, Roof antenna

- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Parking heater radio receiver
- R65 Telephone antenna
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R216 Roof antenna
- T1ae Single connector, purple
- T1af Single connector, blue
- T1ag Single connector, light brown
- T1ah Single connector, green
- T1l Single connector
- T1n Single connector

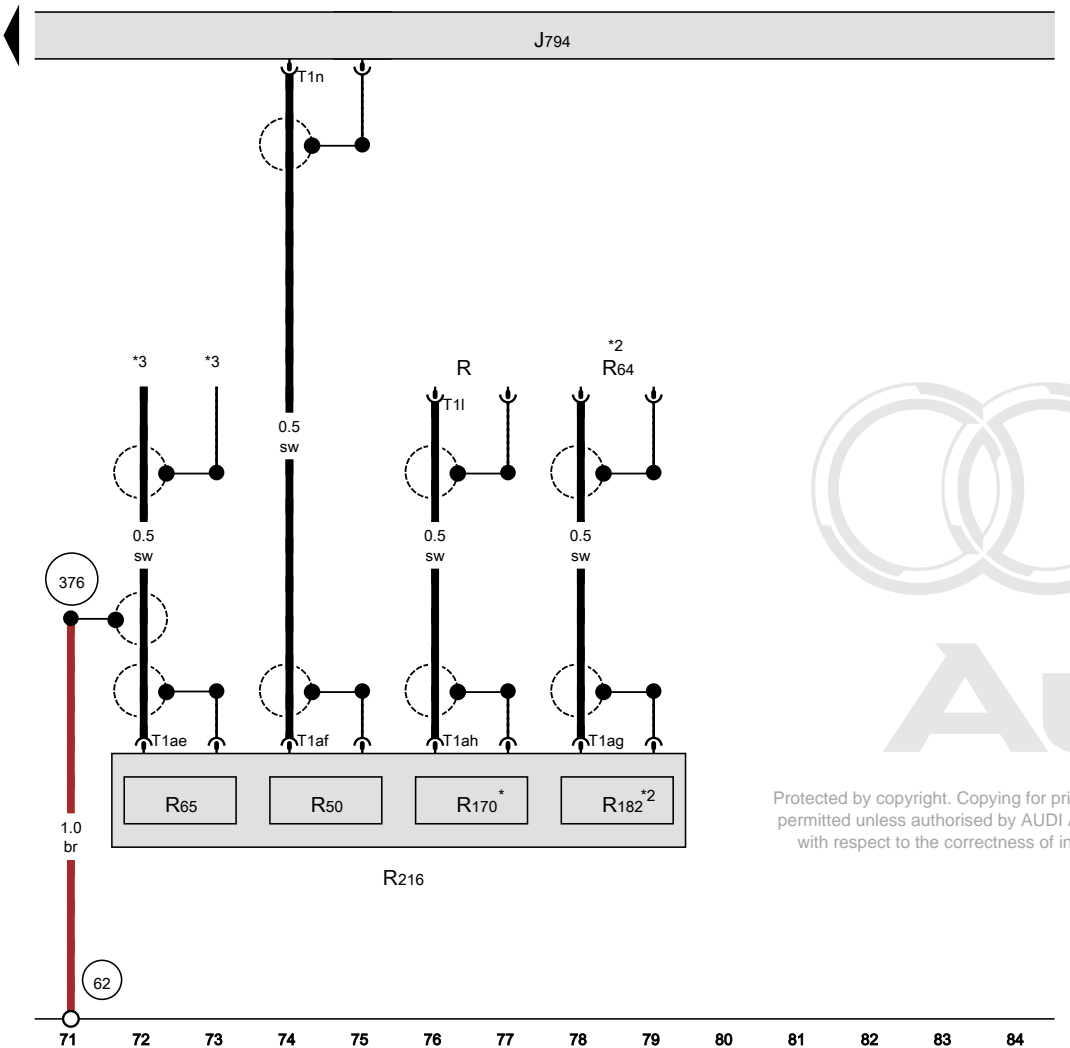
62 Ground connection on right C-pillar

376 Ground connection 11 (in main wiring harness)

\* USA only

\*2 Only for vehicles with an auxiliary heater

\*3 Refer to applicable telephone systems wiring diagram



ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
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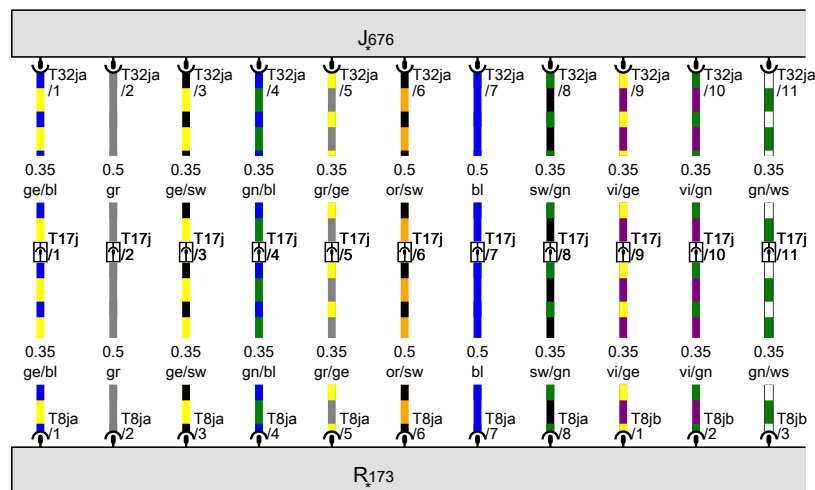
[R3B-107070914]

Chip card reader control module, Information electronics control module 1, Traffic data antenna

- J676 Chip card reader control module
- J794 Information electronics control module 1
- R173 Traffic data antenna
- T8ja 8-pin connector
- T8jb 8-pin connector
- T17j 17-pin connector, green
- T32ja 32-pin connector
- \* Only for vehicles with Japan equipment

J794

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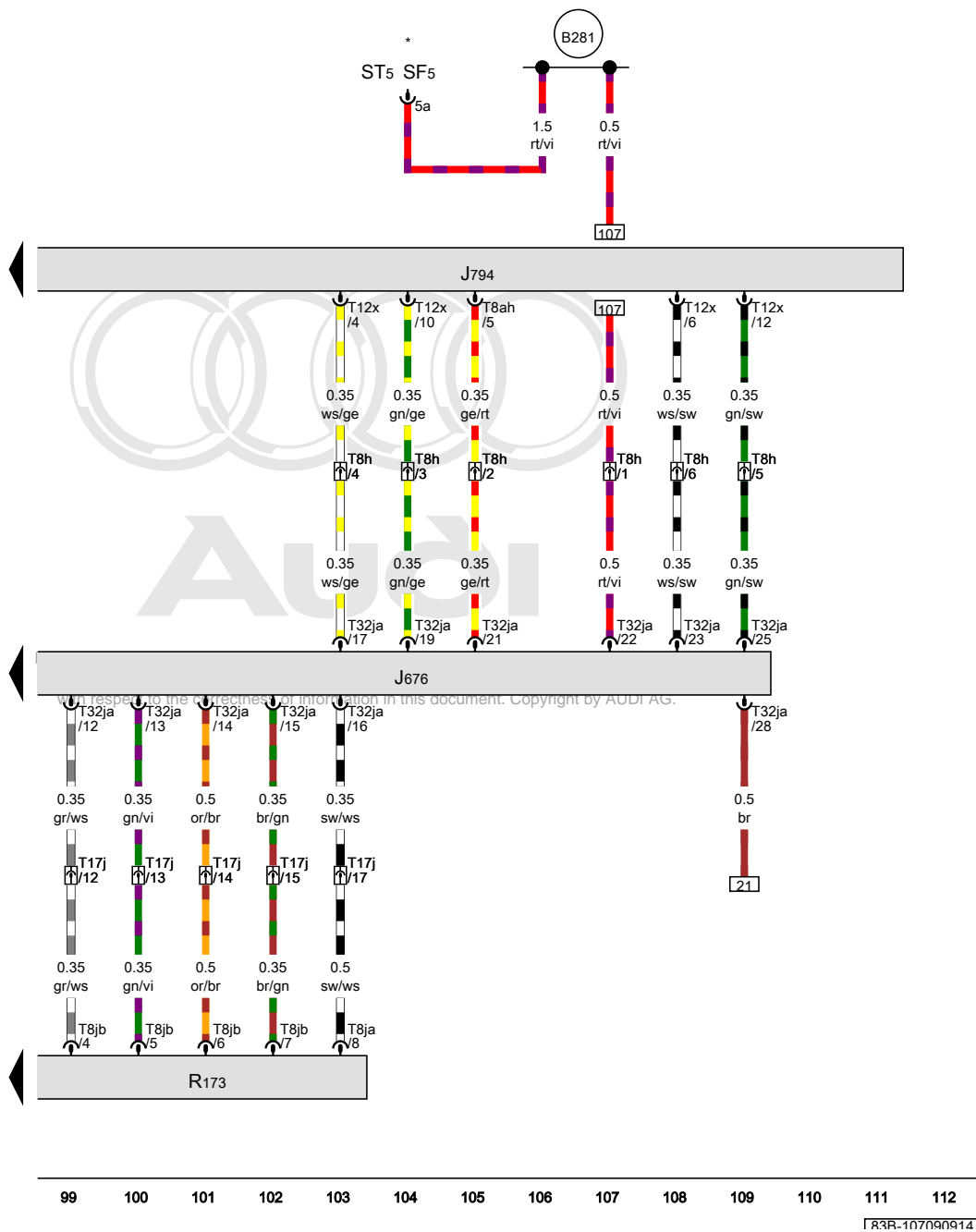
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- vi = lilac
- ge = yellow
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- rs = pink

Chip card reader control module, Information electronics control module 1, Traffic data antenna

- J676 Chip card reader control module
- J794 Information electronics control module 1
- R173 Traffic data antenna
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T8ah 8-pin connector
- T8h 8-pin connector, black
- T8ja 8-pin connector
- T8jb 8-pin connector
- T12x 12-pin connector
- T17j 17-pin connector, green
- T32ja 32-pin connector

B281 Positive connection 5 (15a) (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions



## Cell phone preparation (Infotainment CAN bus) - USA

from May 2012



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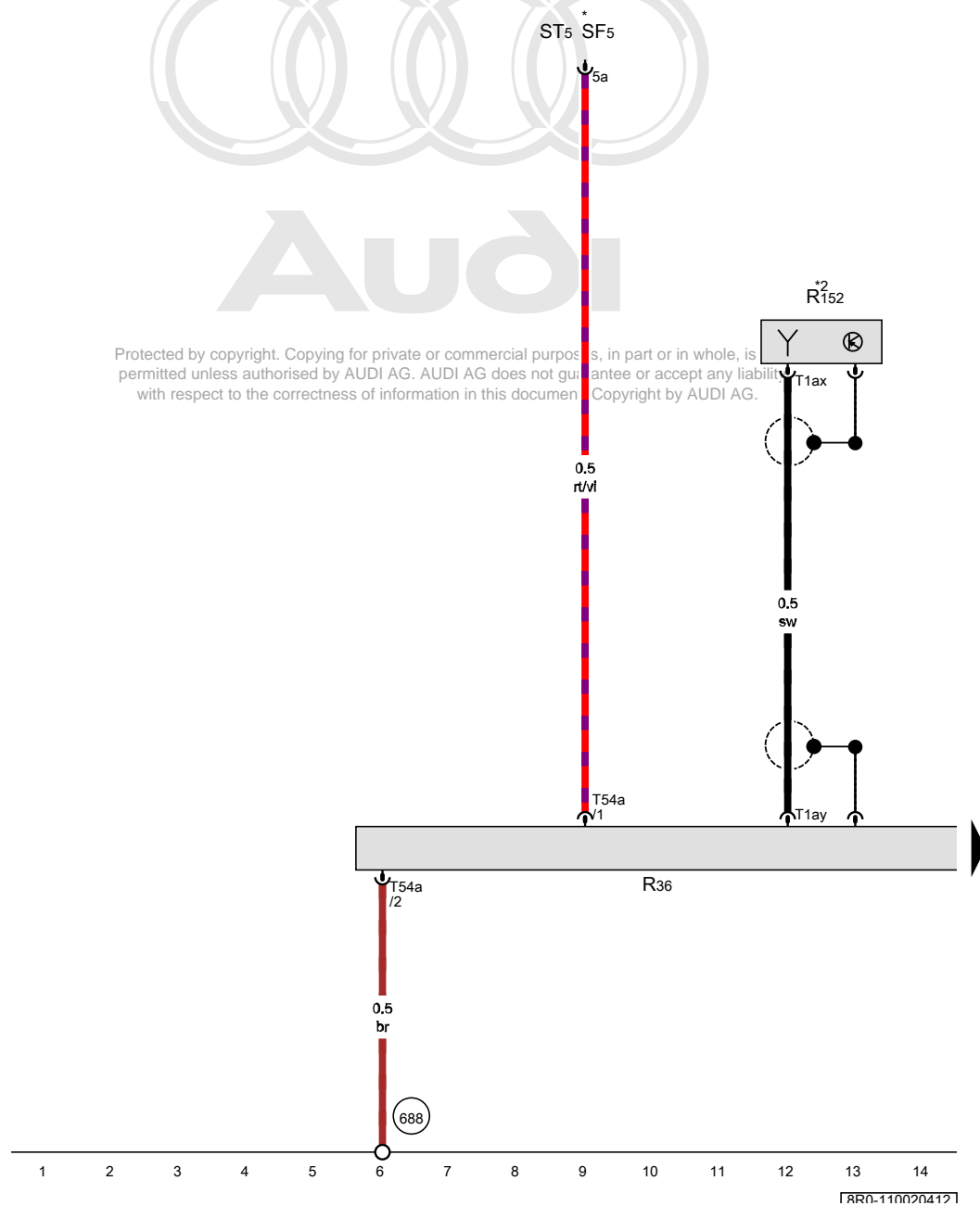
Telephone transceiver, Bluetooth antenna

- R36 Telephone transceiver
- R152 Bluetooth antenna
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T1ax Single connector
- T1ay Single connector
- T54a 54-pin connector

688 Ground connection 2 on center tunnel

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with Bluetooth

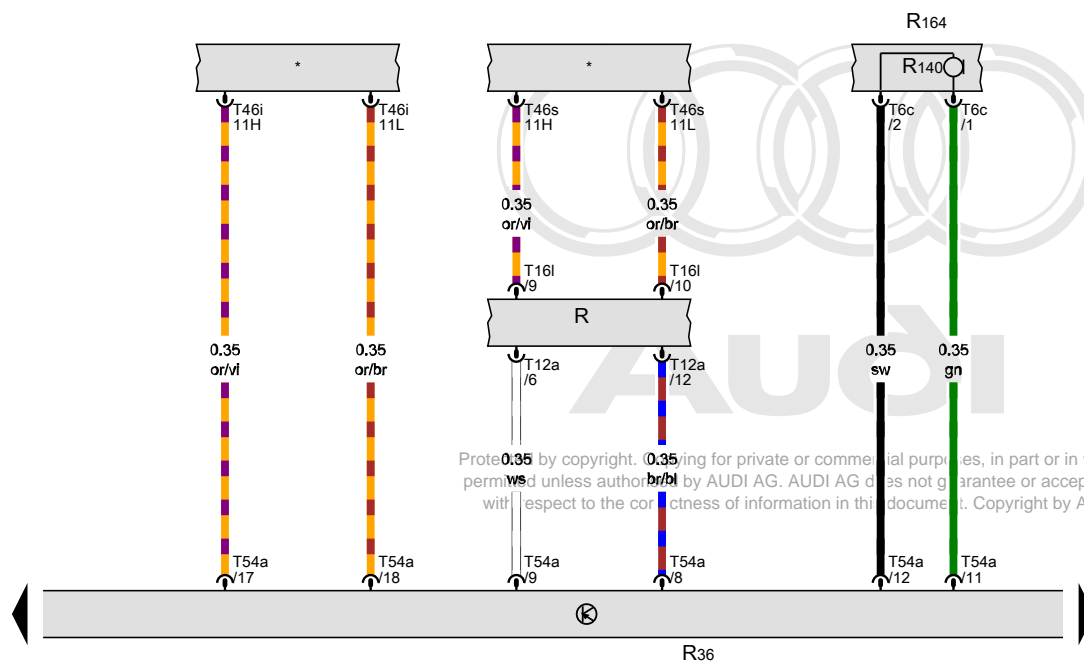
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- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Telephone transceiver, Left front microphone,  
Microphone unit in front roof module

- R Radio
- R36 Telephone transceiver
- R140 Left front microphone
- R164 Microphone unit in front roof module
- T6c 6-pin connector
- T12a 12-pin connector
- T16l 16-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- T54a 54-pin connector
- \* Refer to applicable wiring diagram



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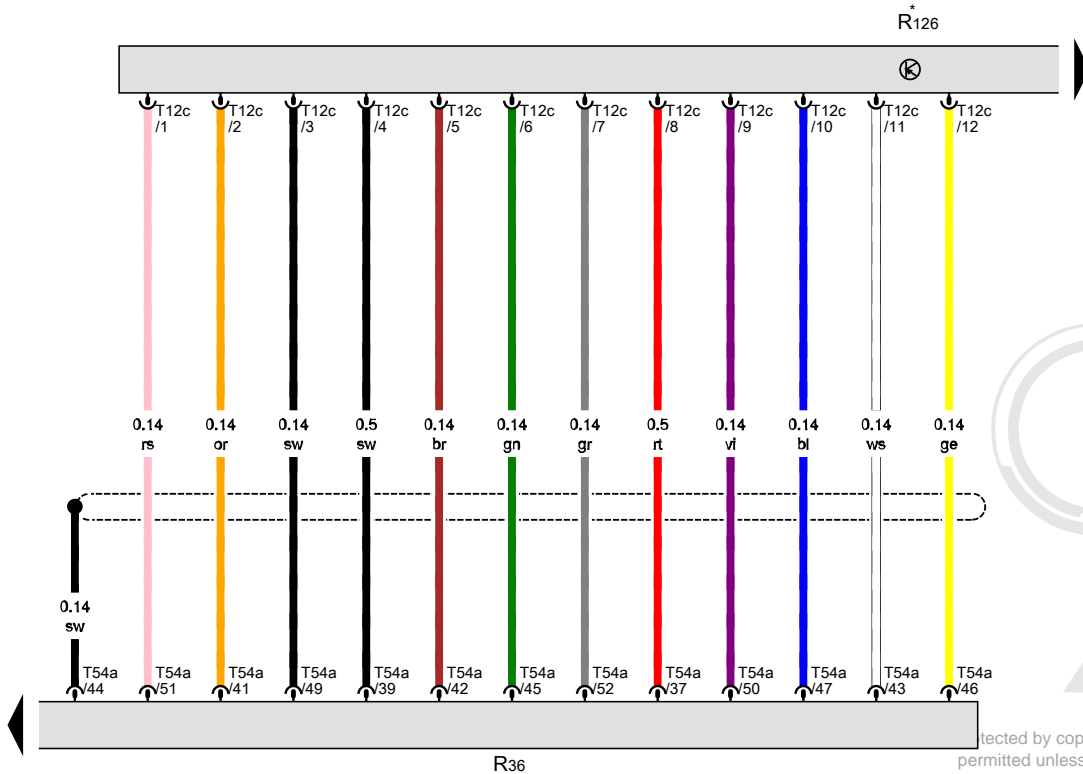
15 16 17 18 19 20 21 22 23 24 25 26 27 28

FRN-1100304121



Telephone transceiver, Telephone baseplate

- R36 Telephone transceiver
- R126 Telephone baseplate
- T12c 12-pin connector
- T54a 54-pin connector
- \* Depending on equipment



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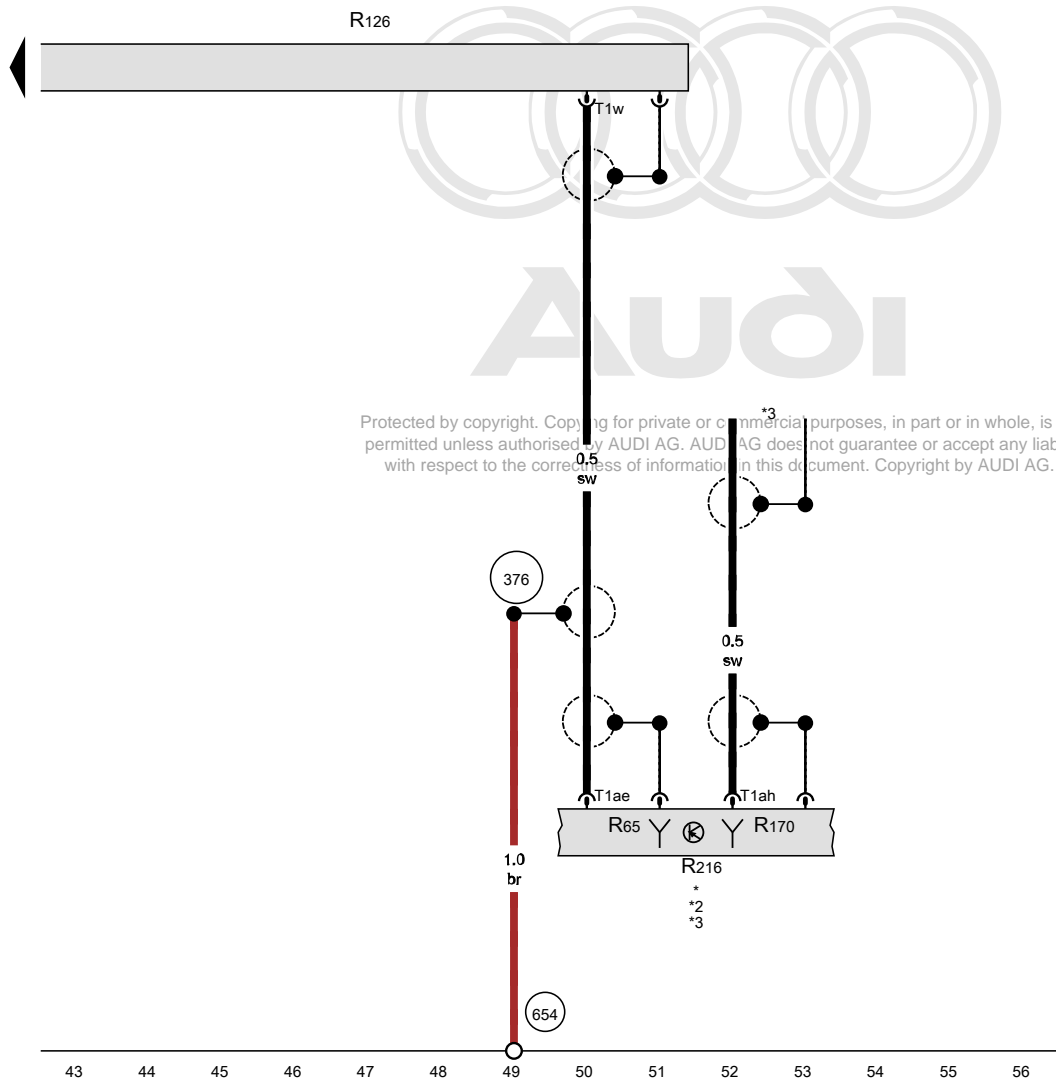
Telephone antenna, Telephone baseplate, Satellite antenna, Roof antenna

- R65 Telephone antenna
- R126 Telephone baseplate
- R170 Satellite antenna
- R216 Roof antenna
- T1ae Single connector
- T1ah Single connector
- T1w Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Roof antenna
- \*2 Only for vehicles with 2-door equipment
- \*3 Refer to applicable wiring diagram



1800-1100504121

**Radio with basic and basic plus sound system**

from May 2012



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# Radio, Telephone transceiver

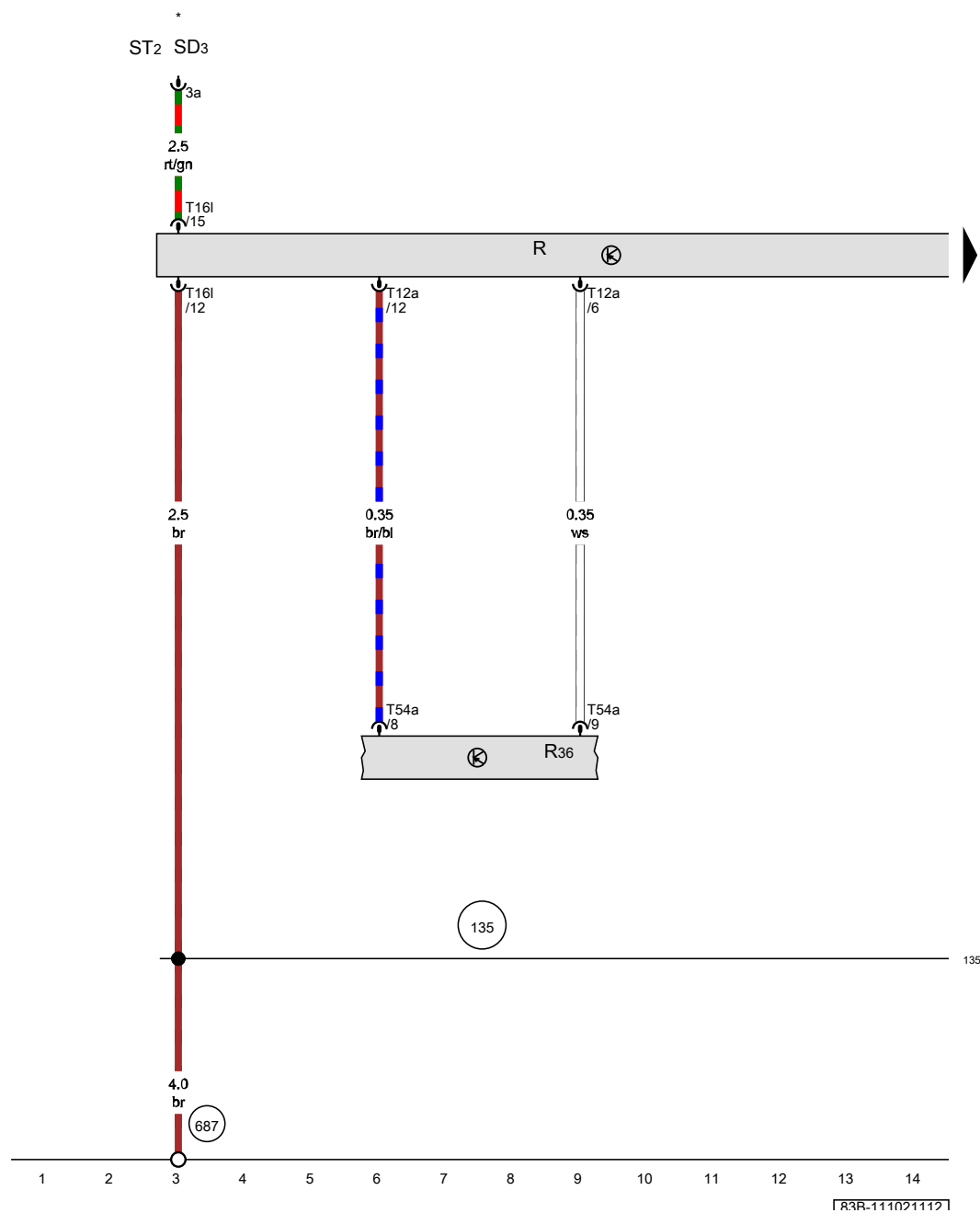
- R Radio
- R36 Telephone transceiver
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T12a 12-pin connector
- T16l 16-pin connector
- T54a 54-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

\* Refer to applicable wiring diagram for fuse positions

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[R3R-111021112]

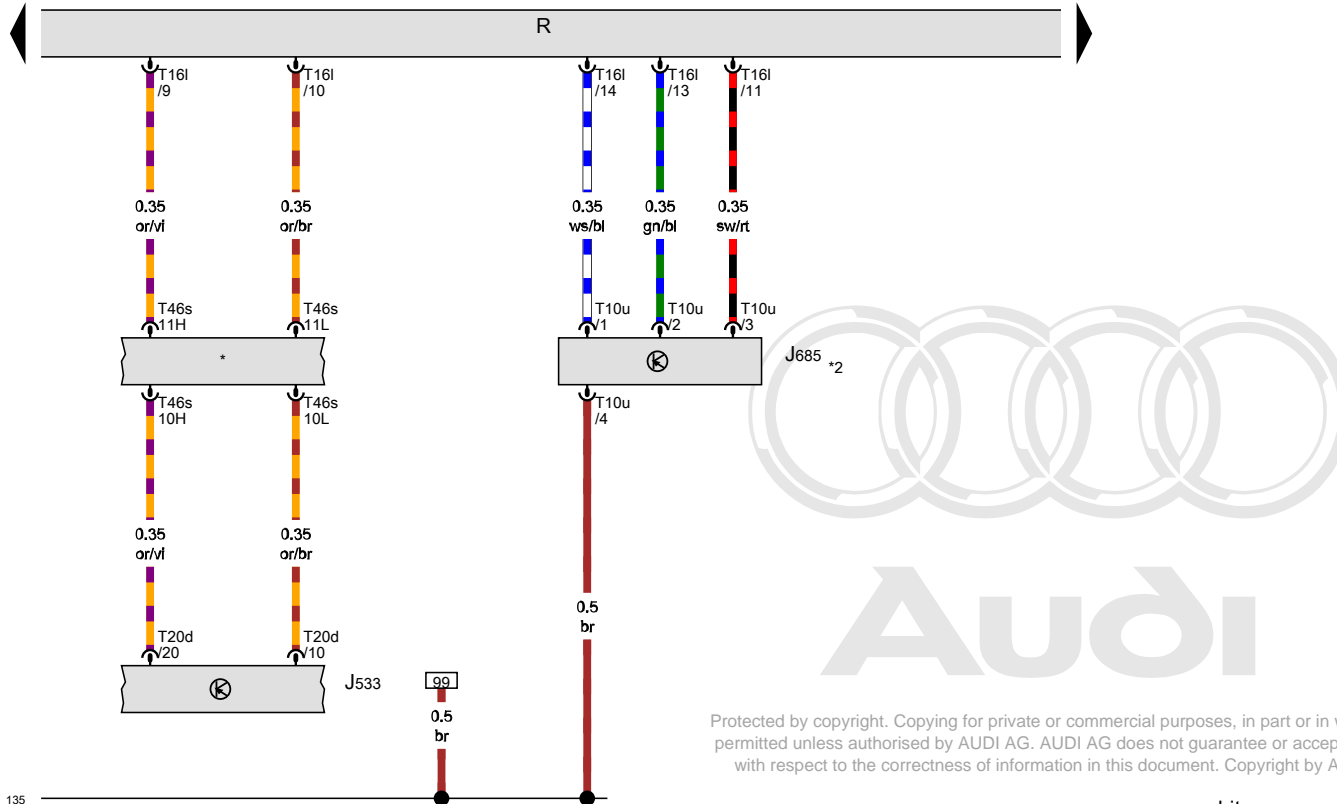
Data bus on board diagnostic interface, Front information display control head, Radio

- J533 Data bus on board diagnostic interface
- J685 Front information display control head
- R Radio
- T10u 10-pin connector
- T16l 16-pin connector
- T20d 20-pin connector
- T46s 46-pin connector

135 Ground connection 2 (in instrument panel wiring harness)

\* Refer to applicable wiring diagram

\*2 Depending on equipment



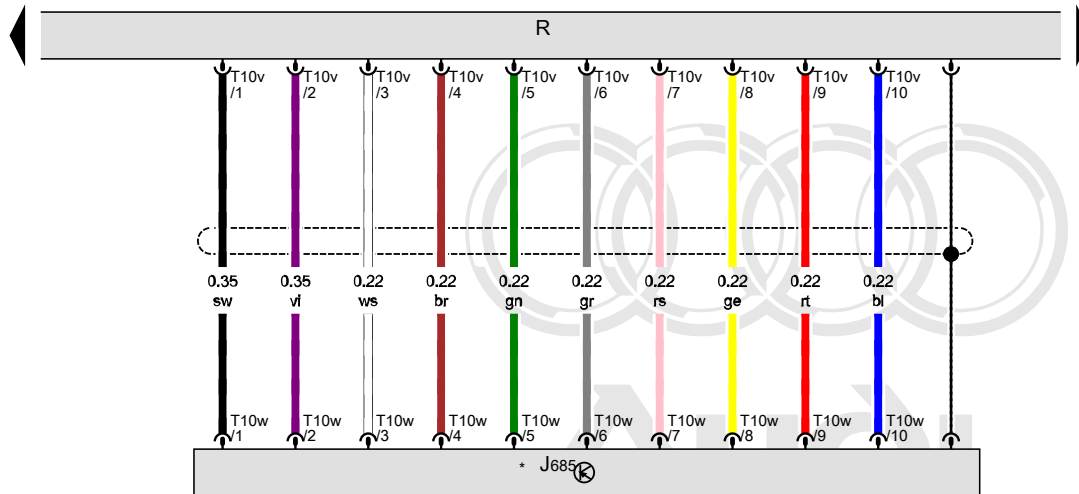
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- or = orange
- rs = pink

183R-1110311121

# Front information display control head, Radio

- J685 Front information display control head
- R Radio
- T10v 10-pin connector
- T10w 10-pin connector
- \* Depending on equipment

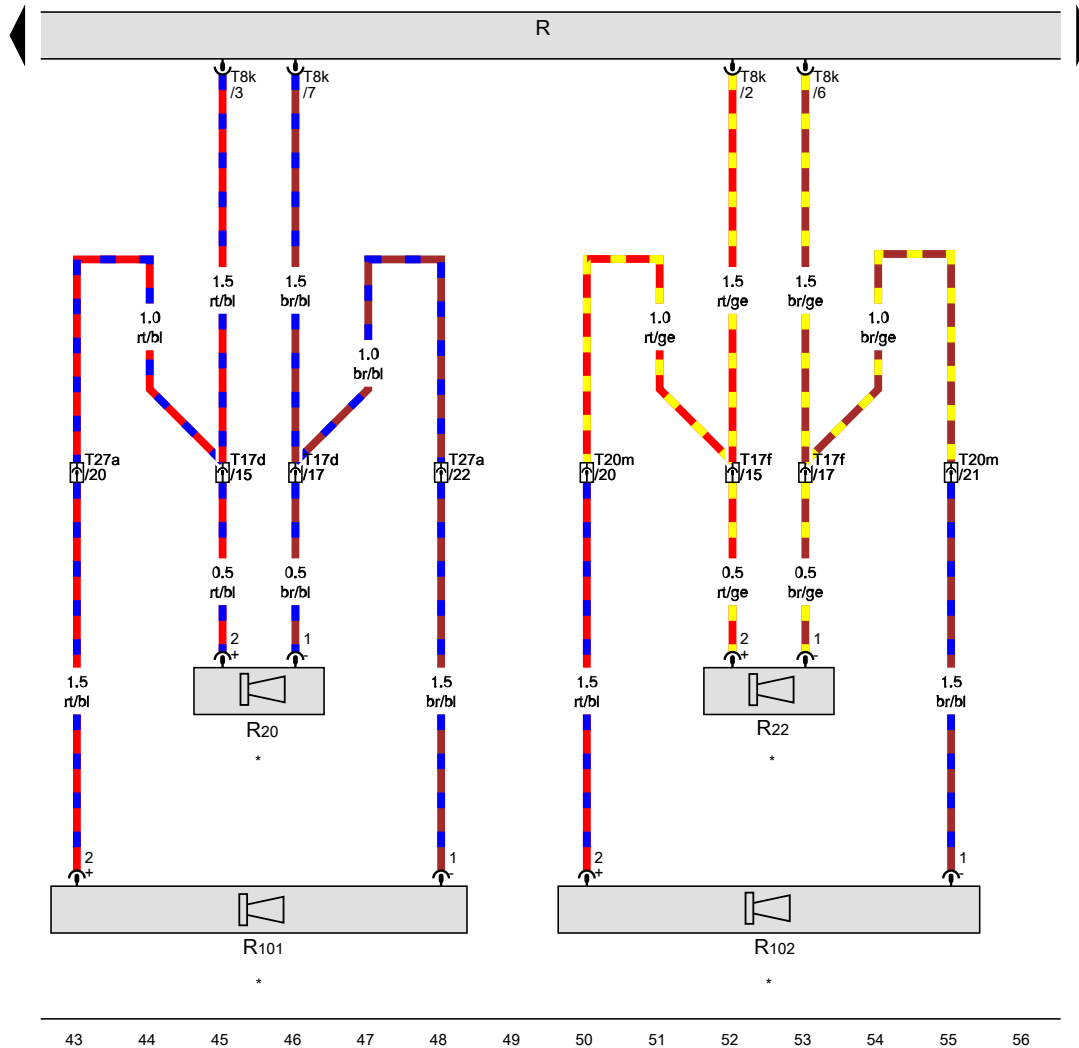


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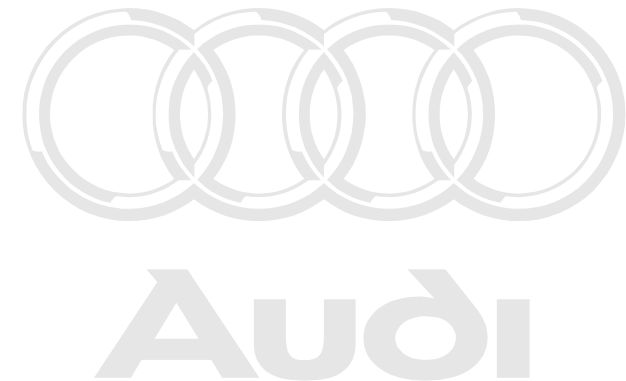
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- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

Radio, Left front treble speaker, Right front treble speaker,  
Left front mid-bass speaker, Right front mid-bass speaker

- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R101 Left front mid-bass speaker
- R102 Right front mid-bass speaker
- T8k 8-pin connector
- T17d 17-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T27a 27-pin connector
- \* Depending on equipment



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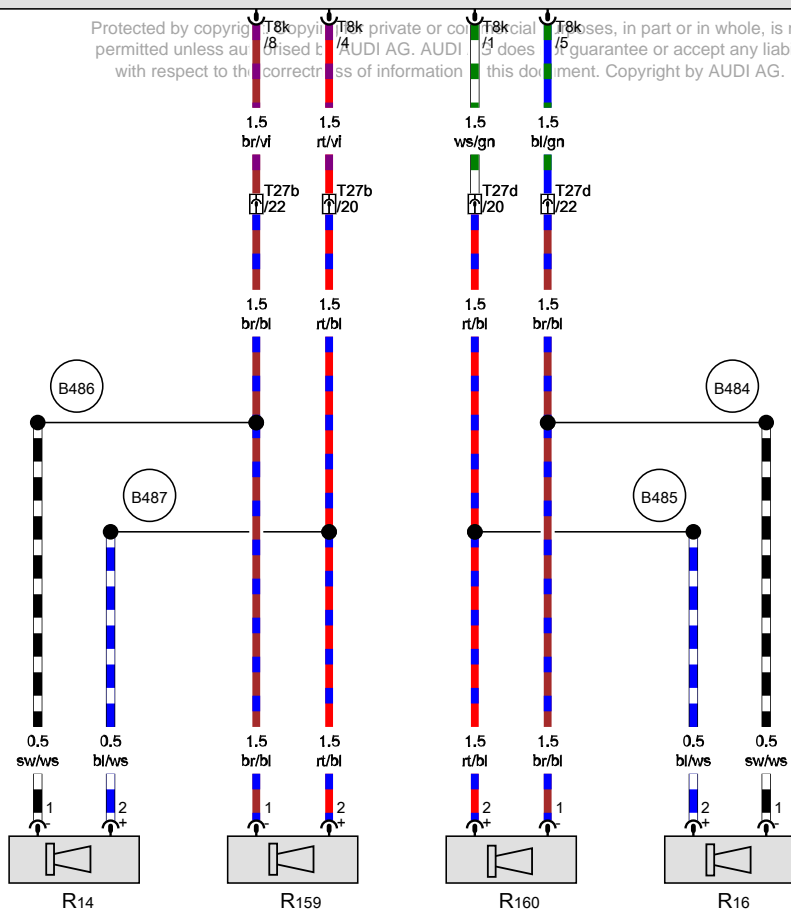
[83R-111051112]

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Radio, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8k 8-pin connector
- T27b 27-pin connector
- T27d 27-pin connector

- B484 Connection 20 (in main wiring harness)
- B485 Connection 21 (in main wiring harness)
- B486 Connection 22 (in main wiring harness)
- B487 Connection 23 (in main wiring harness)



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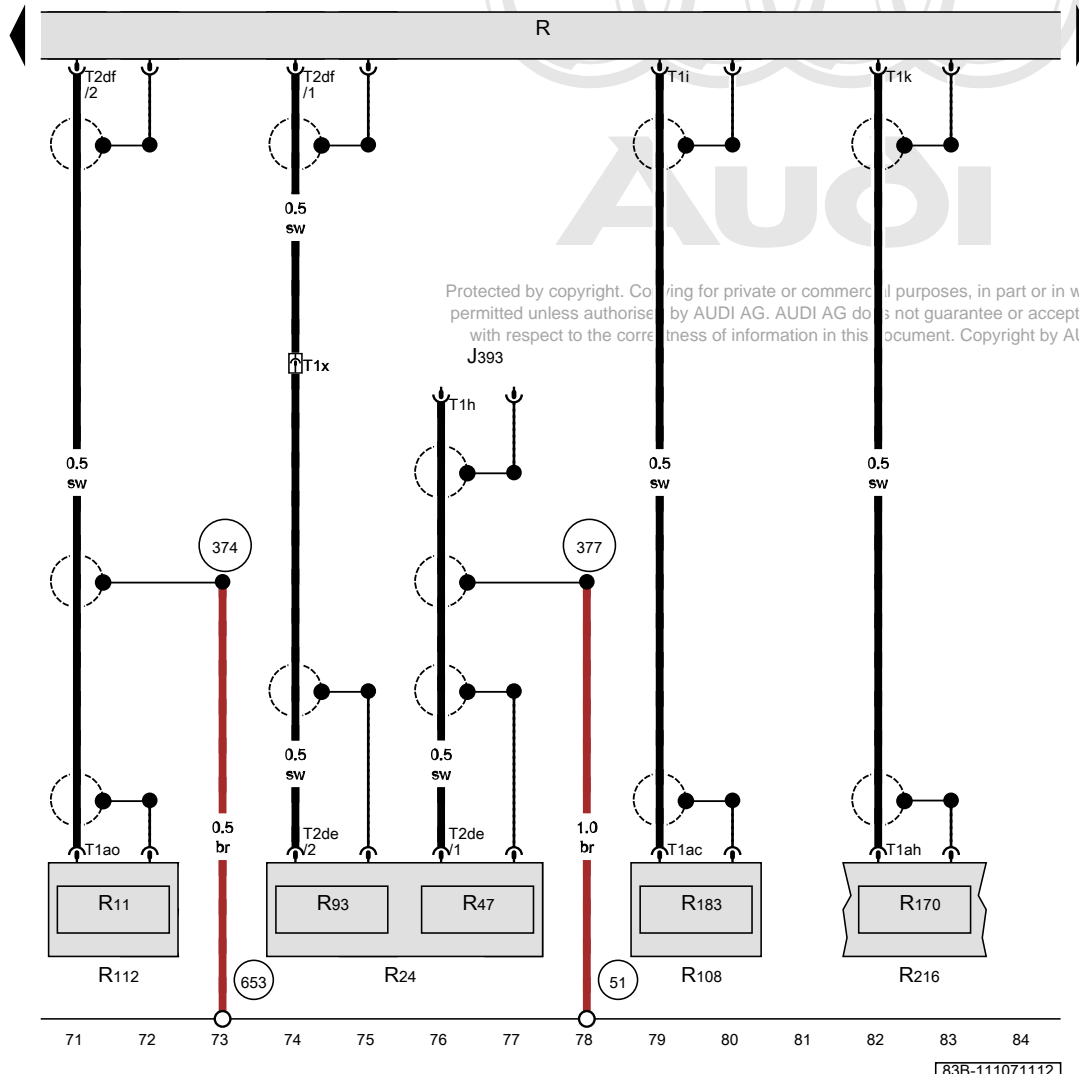


Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, Radio antenna 2, Left antenna module, Antenna amplifier 3, Satellite antenna, Digital radio antenna, Roof antenna

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier, Rear window, lower left
- R47 Central locking and anti-theft alarm system antenna
- R93 Radio antenna 2
- R108 Left antenna module, in the left side window
- R112 Antenna amplifier 3, on the rear window
- R170 Satellite antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ah Single connector
- T1ao Single connector
- T1h Single connector
- T1i Single connector
- T1k Single connector
- T1x Single connector
- T2de Double connector
- T2df Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

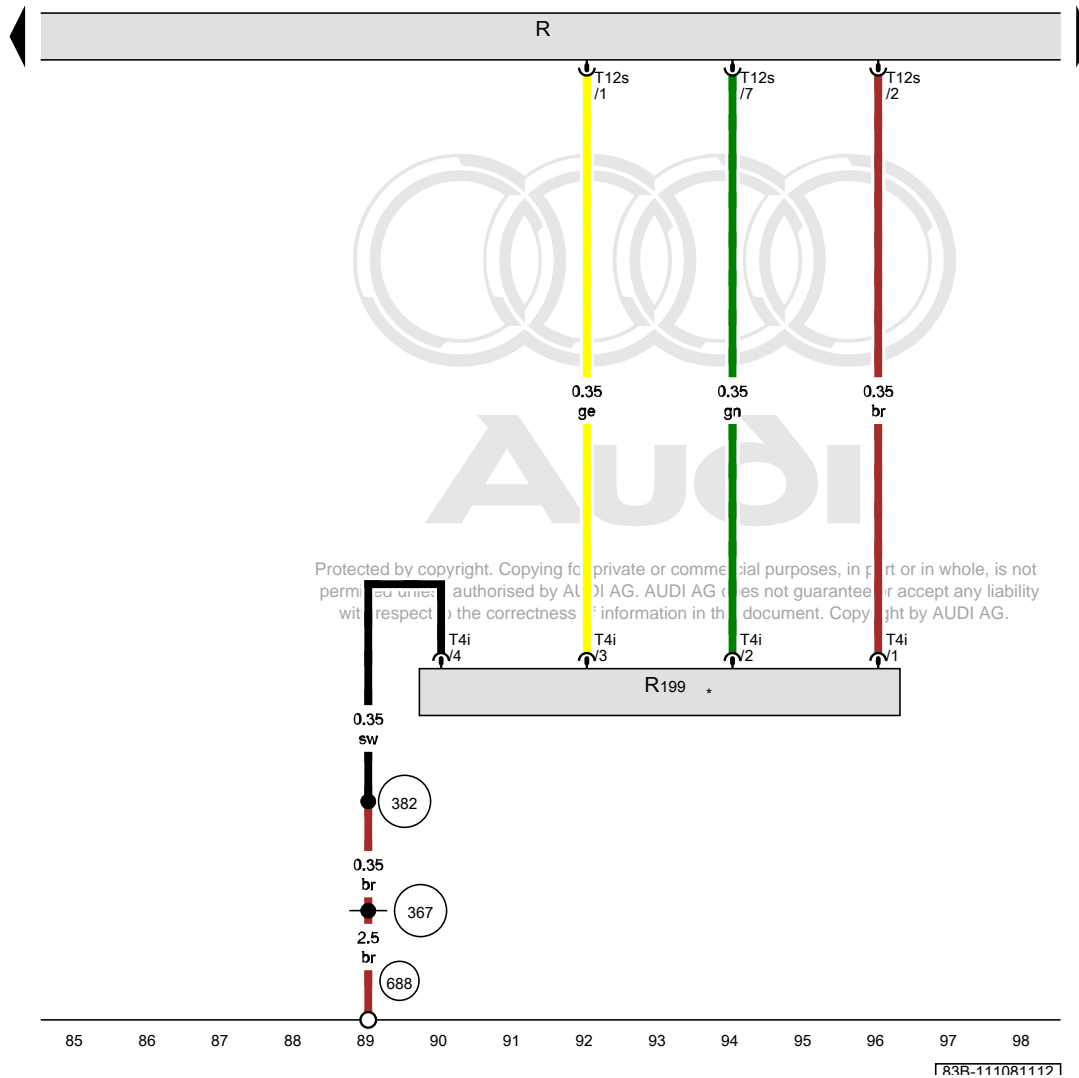
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



R	Radio
R199	External audio source connection
T4i	4-pin connector
T12s	12-pin connector

- 367 Ground connection 2 (in main wiring harness)
- 382 Ground connection 17 (in main wiring harness)
- 688 Ground connection 2 on center tunnel

\* Only for vehicles with external audio source connection - AUX-In connection

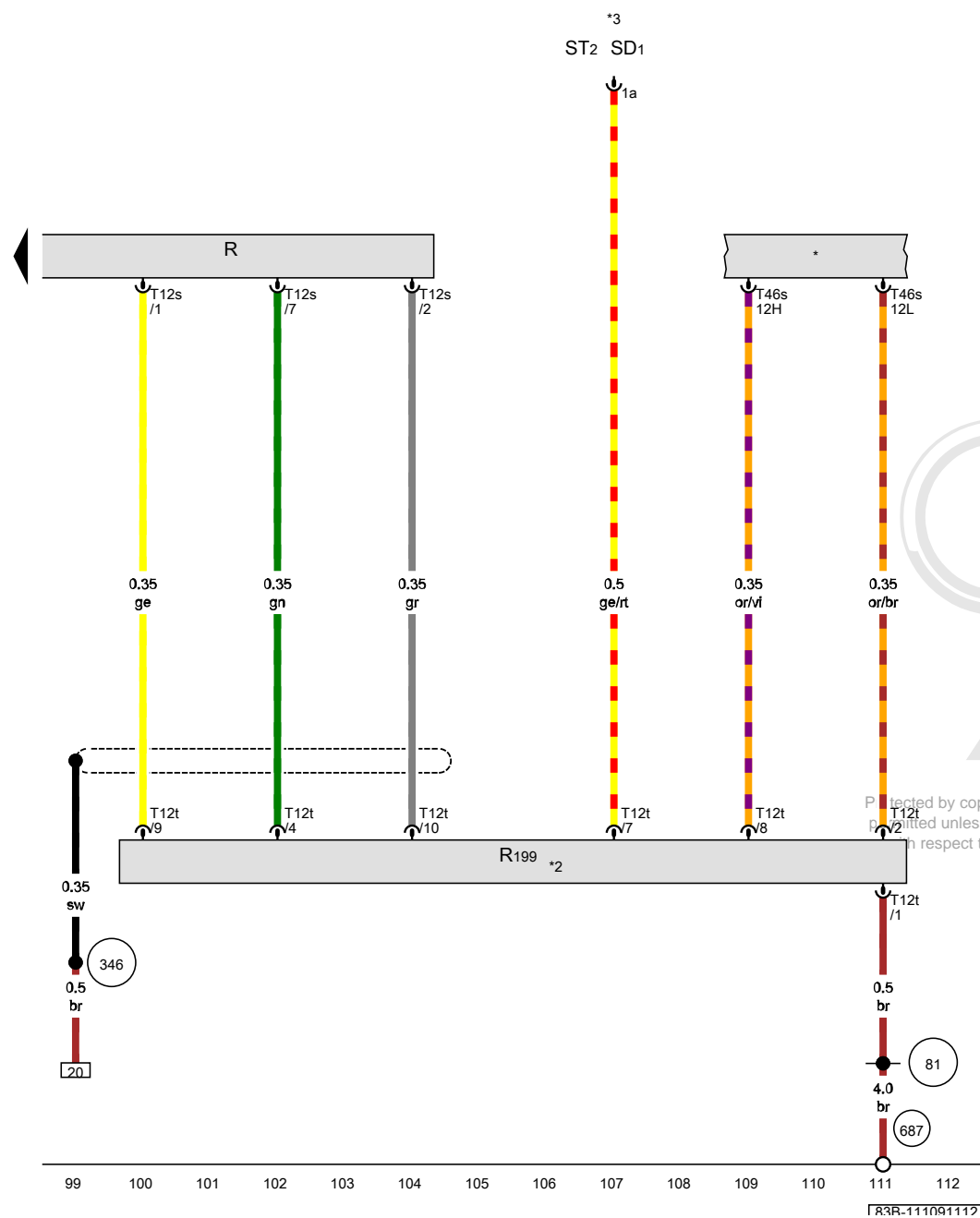


ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = lilac  
ge = yellow  
or = orange  
rs = pink

# Radio

- R Radio
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T12s 12-pin connector
- T12t 12-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 346 Audio ground connection (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram
- \*2 Only for vehicles with external audio source connection - Audi music interface
- \*3 Refer to applicable wiring diagram for fuse positions



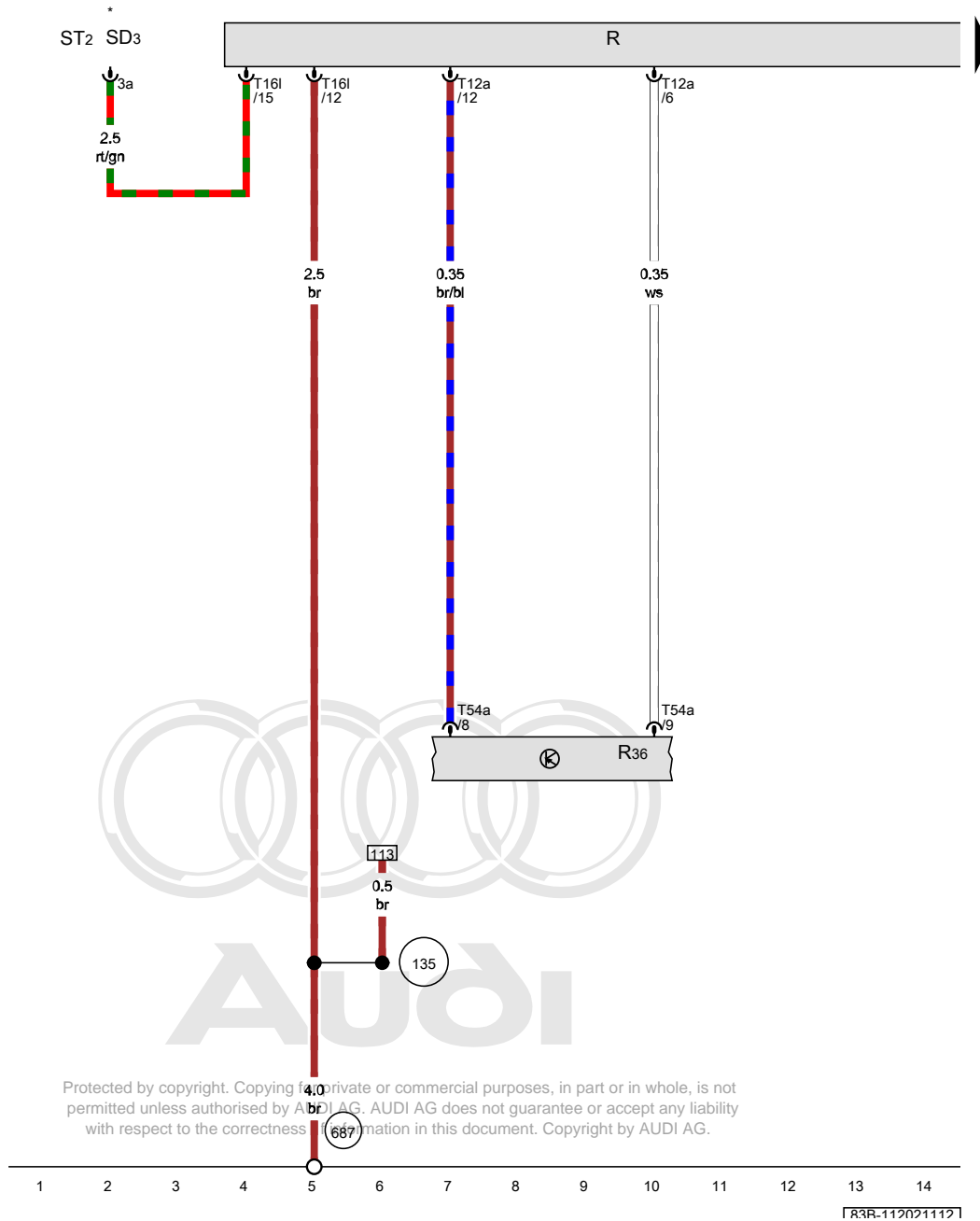
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**Radio with standard sound system**  
from May 2012

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# Radio, Telephone transceiver

- R Radio
- R36 Telephone transceiver
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T12a 12-pin connector
- T16l 16-pin connector
- T54a 54-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram for fuse positions



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

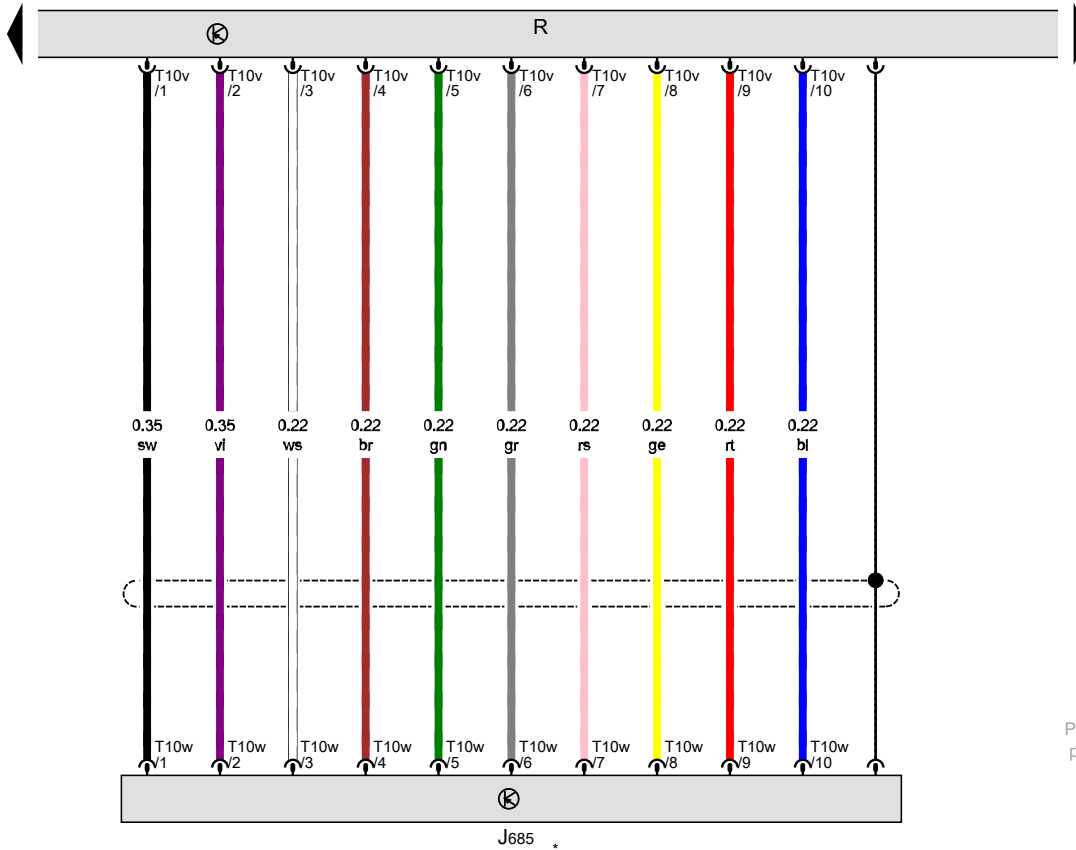
Front information display control head, Radio

- J685 Front information display control head
- R Radio
- T10v 10-pin connector
- T10w 10-pin connector
- \* Optional equipment



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cardiagn.com



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- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink

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

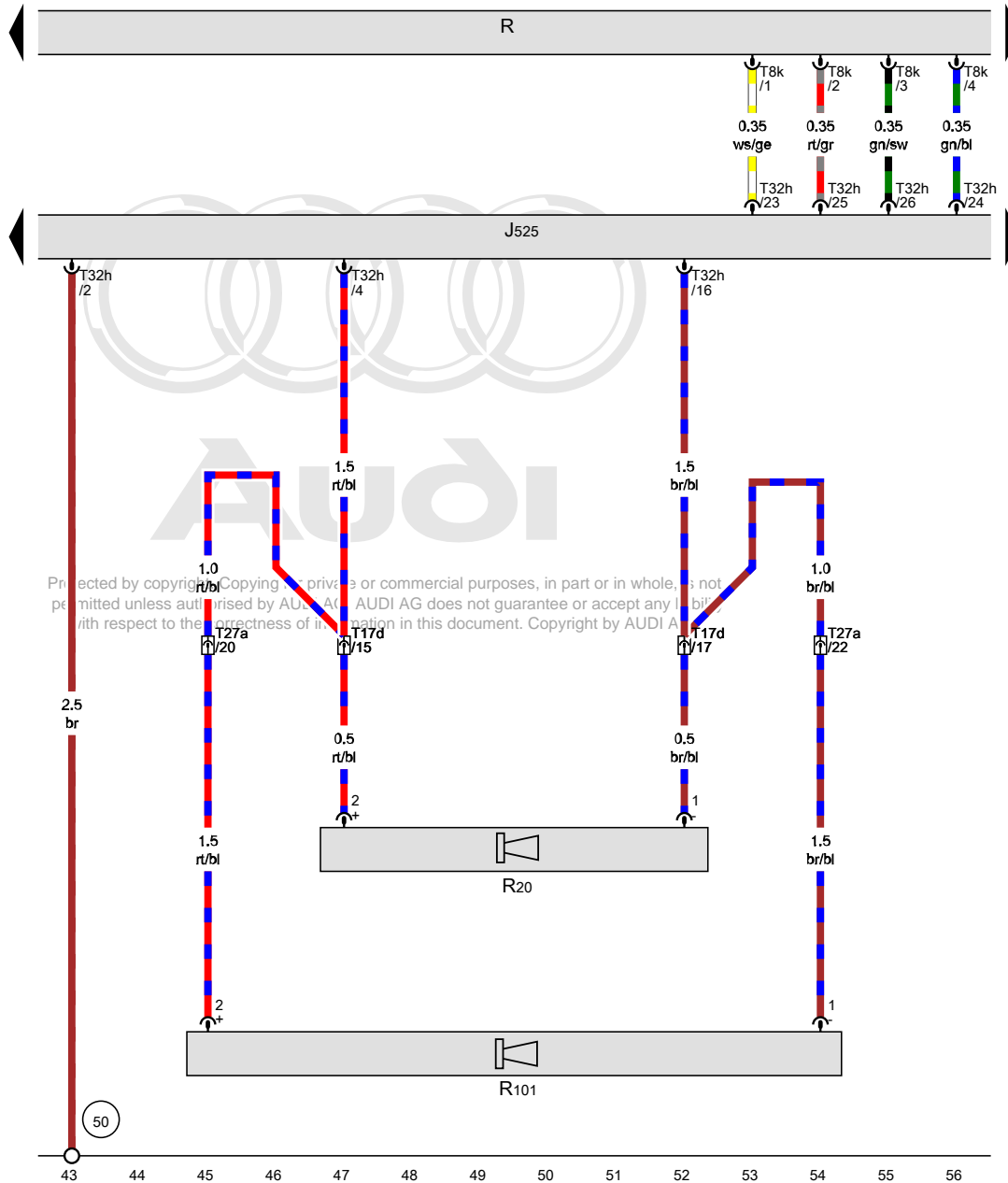
[R3R-112031112]



Digital sound system control module, Radio, Left front treble speaker, Left front mid-bass speaker

- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R101 Left front mid-bass speaker
- T8k 8-pin connector
- T17d 17-pin connector
- T27a 27-pin connector
- T32h 32-pin connector

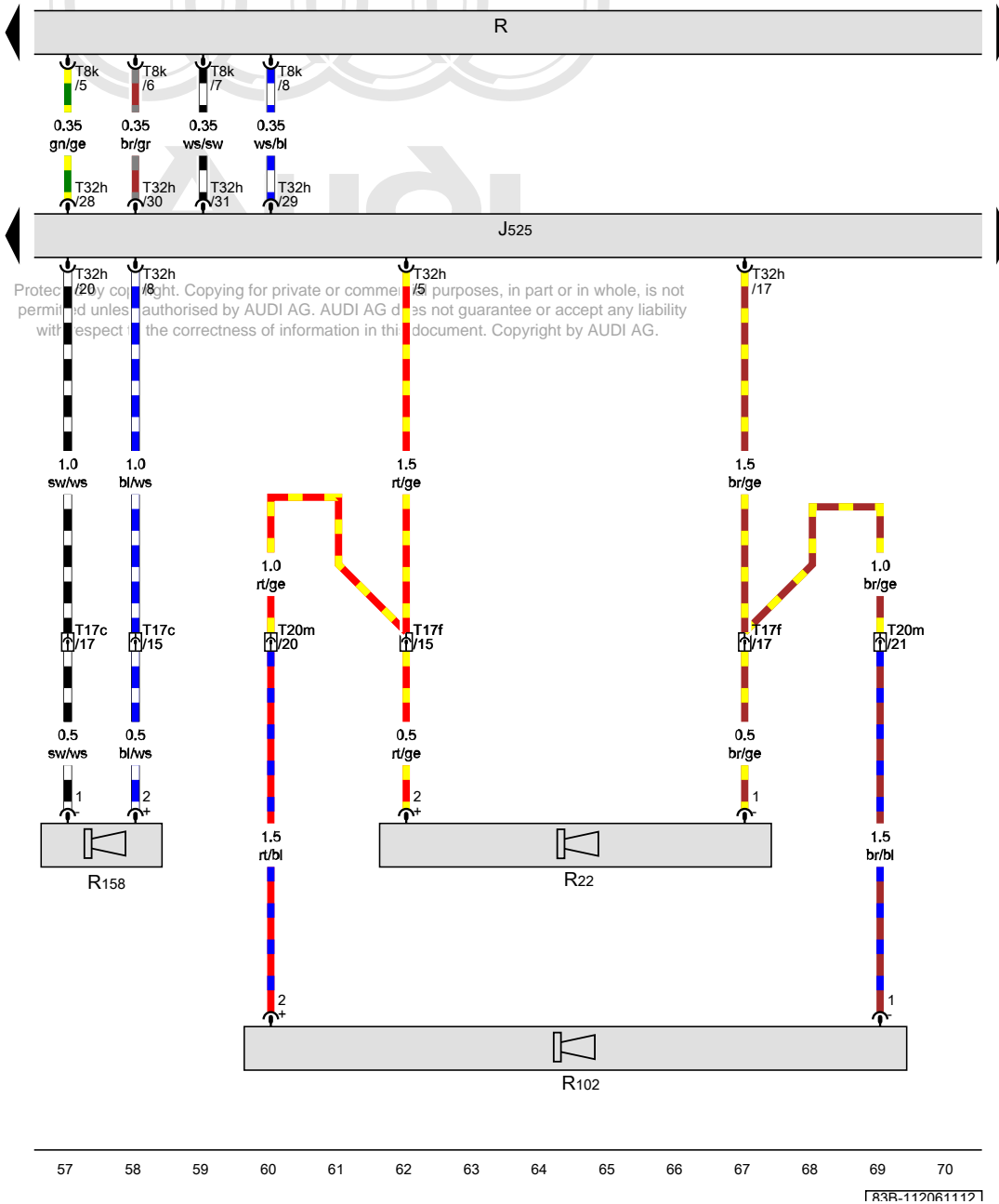
50 Ground connection in luggage compartment, left



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

[83R-112051112]

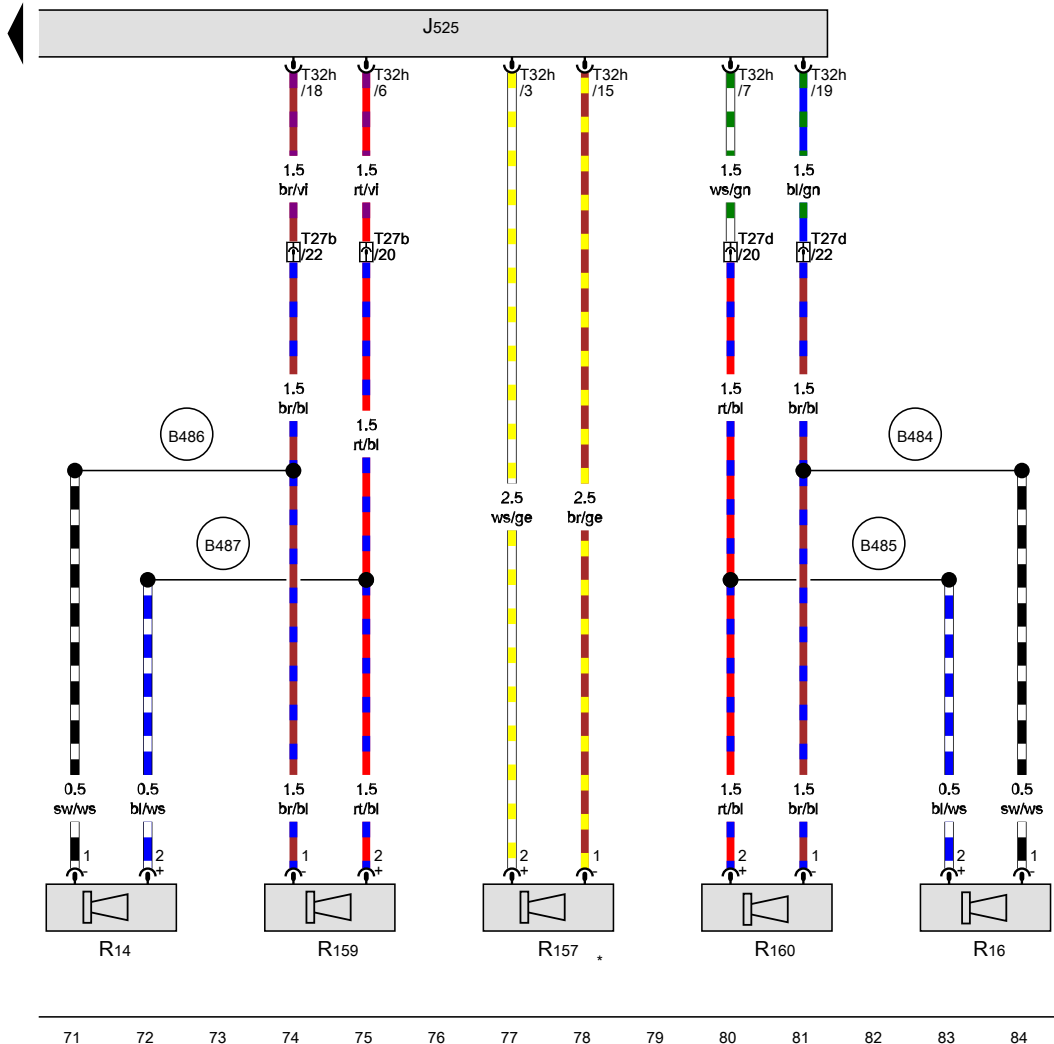
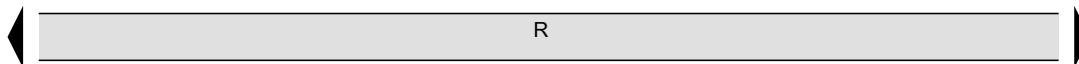




Digital sound system control module, Radio, Right front treble speaker, Right front mid-bass speaker, Center mid-treble speaker

- J525 Digital sound system control module
- R Radio
- R22 Right front treble speaker
- R102 Right front mid-bass speaker
- R158 Center mid-treble speaker
- T8k 8-pin connector
- T17c 17-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T32h 32-pin connector

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Digital sound system control module, Radio, Left rear treble speaker, Right rear treble speaker, Subwoofer in rear shelf, Left rear mid-bass speaker, Right rear mid-bass speaker

- J525 Digital sound system control module
- R Radio
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R157 Subwoofer in rear shelf
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T27b 27-pin connector
- T27d 27-pin connector
- T32h 32-pin connector

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B484 Connection 20 (in main wiring harness)

B485 Connection 21 (in main wiring harness)

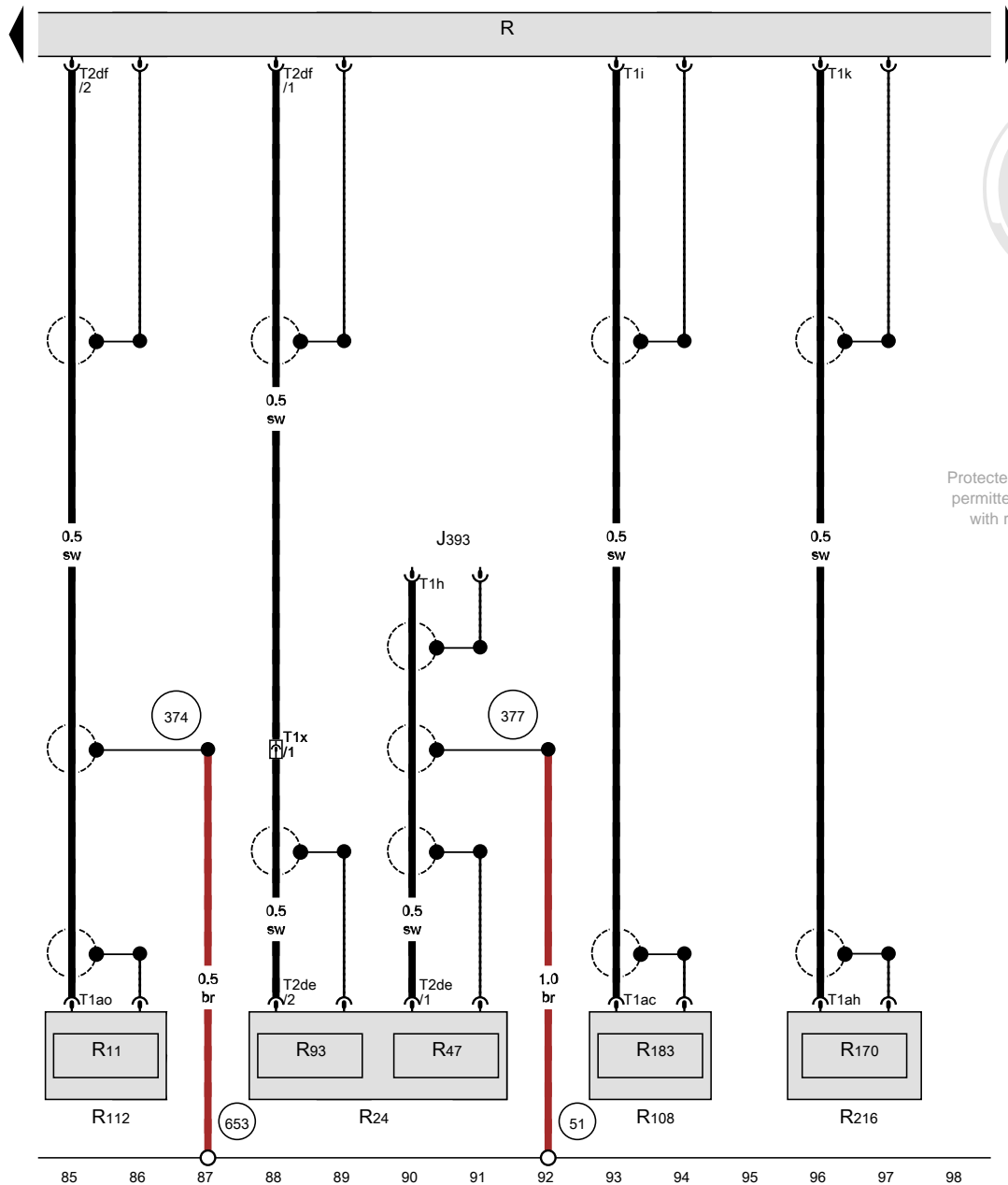
B486 Connection 22 (in main wiring harness)

B487 Connection 23 (in main wiring harness)

\* Depending on equipment

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

[R3R-112071112]



[R3R-1120R1112]

Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, Radio antenna 2, Left antenna module, Antenna amplifier 3, Satellite antenna, Digital radio antenna, Roof antenna

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier, Rear window, lower left
- R47 Central locking and anti-theft alarm system antenna
- R93 Radio antenna 2
- R108 Left antenna module, in the left side window
- R112 Antenna amplifier 3, on the rear window
- R170 Satellite antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ah Single connector
- T1ao Single connector
- T1h Single connector
- T1i Single connector
- T1k Single connector
- T1x Single connector
- T2de Double connector
- T2df Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

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

# Radio, External audio source connection

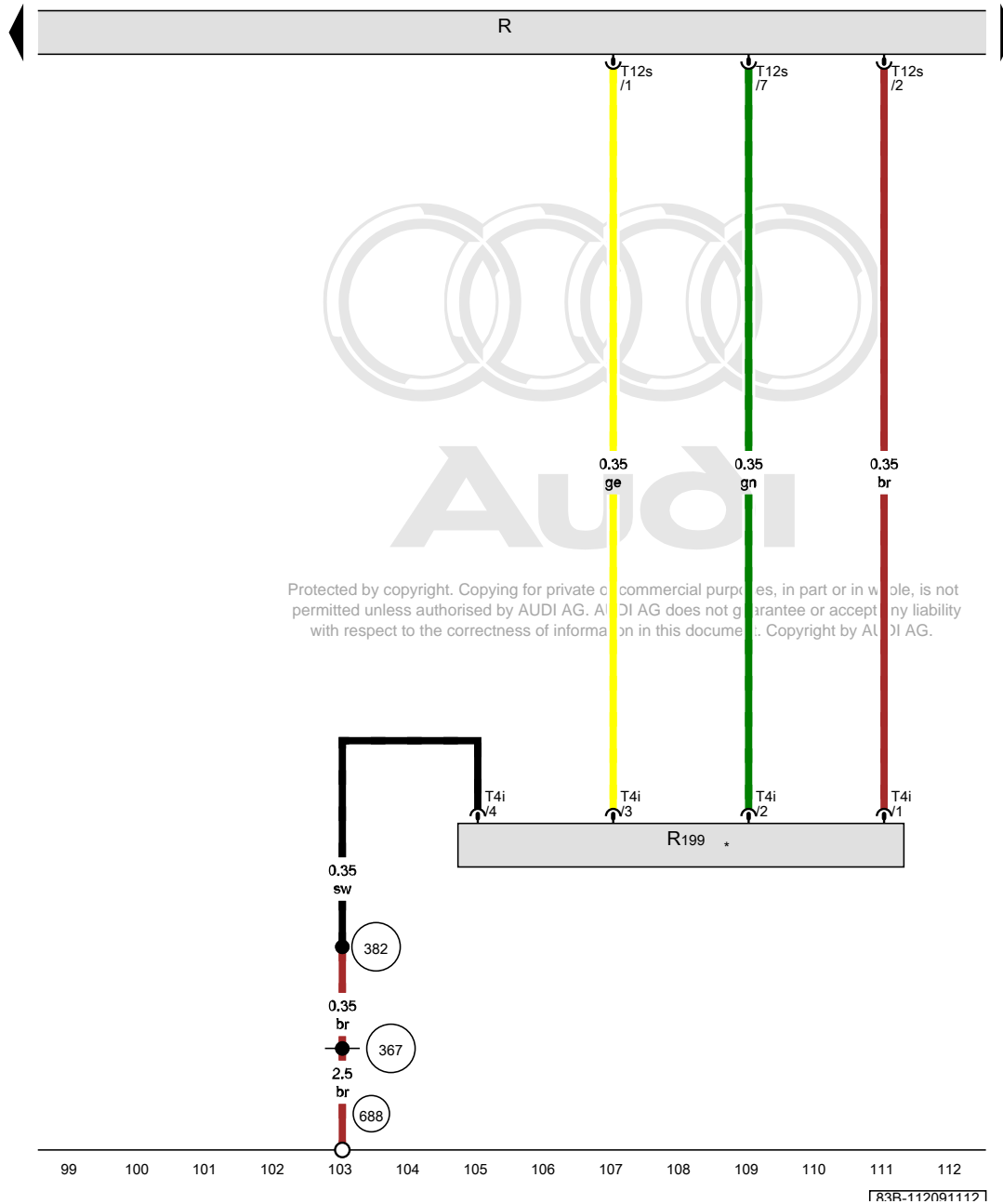
- R Radio
- R199 External audio source connection
- T4i 4-pin connector
- T12s 12-pin connector

367 Ground connection 2 (in main wiring harness)

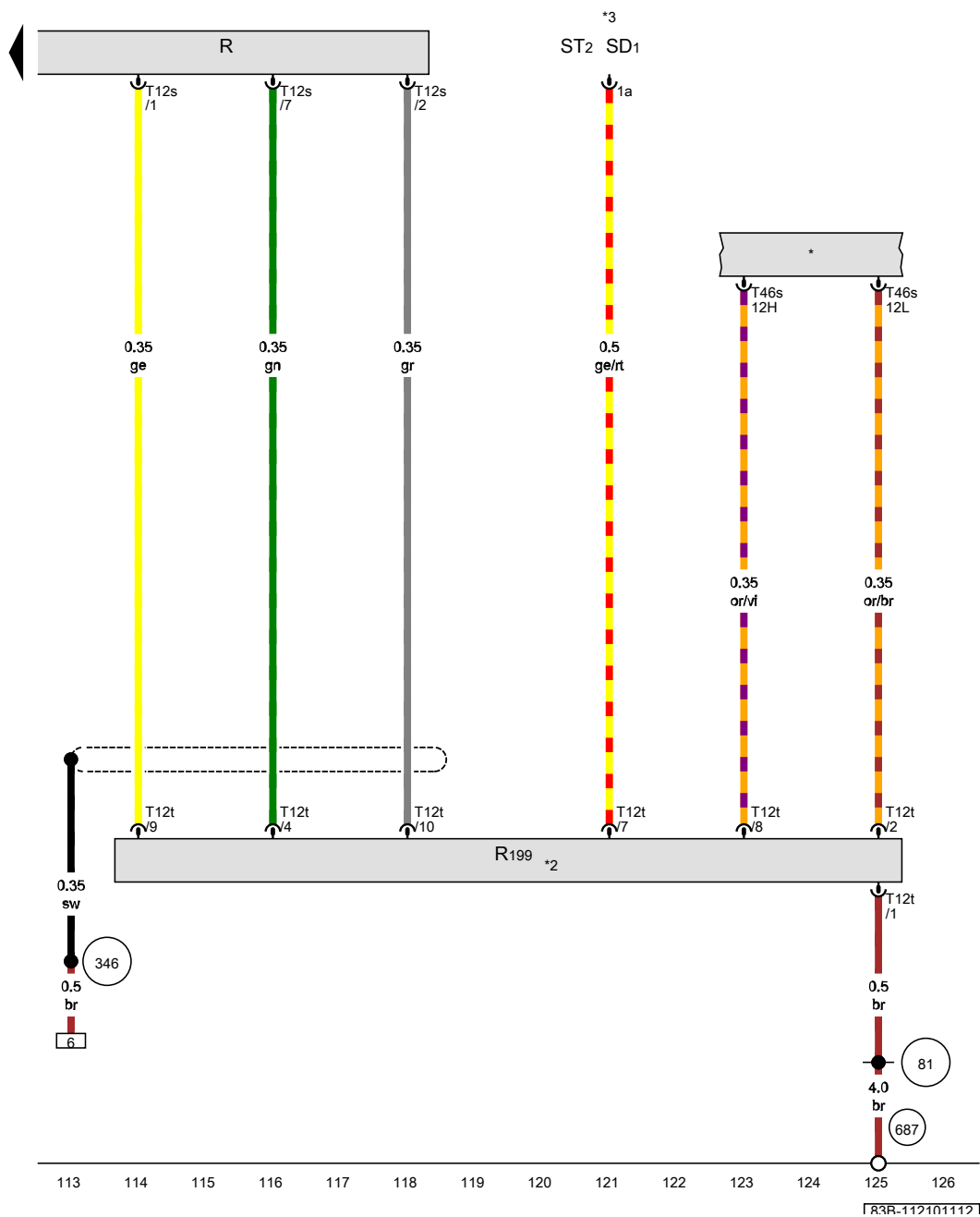
382 Ground connection 17 (in main wiring harness)

688 Ground connection 2 on center tunnel

\* Only for vehicles with external audio source connection - AUX-In connection



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



## Radio

- R Radio
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T12s 12-pin connector
- T12t 12-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 346 Audio ground connection (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram
- \*2 Only for vehicles with external audio source connection - Audi music interface
- \*3 Refer to applicable wiring diagram for fuse positions

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## Radio with Bang & Olufsen sound system

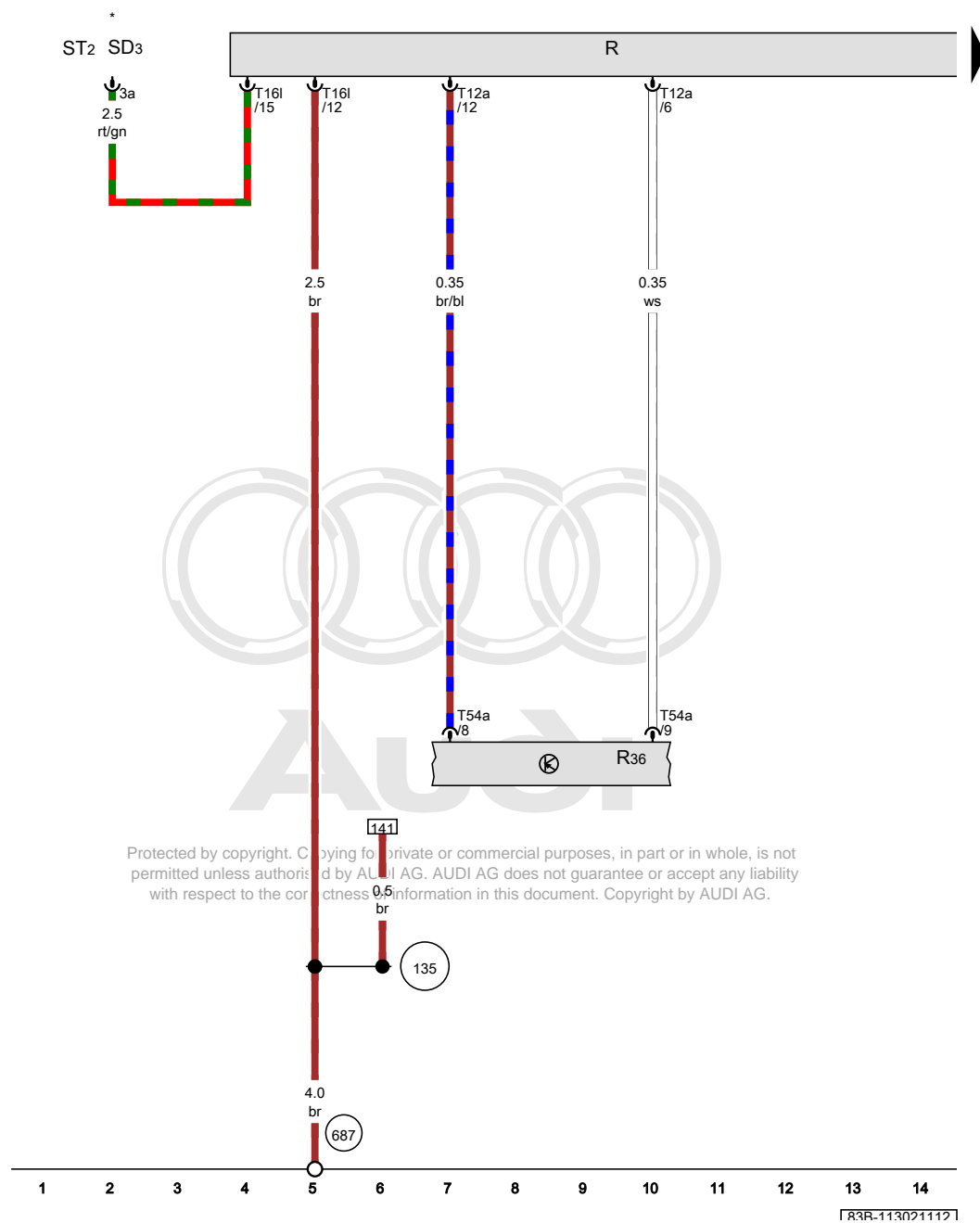
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# Radio, Telephone transceiver

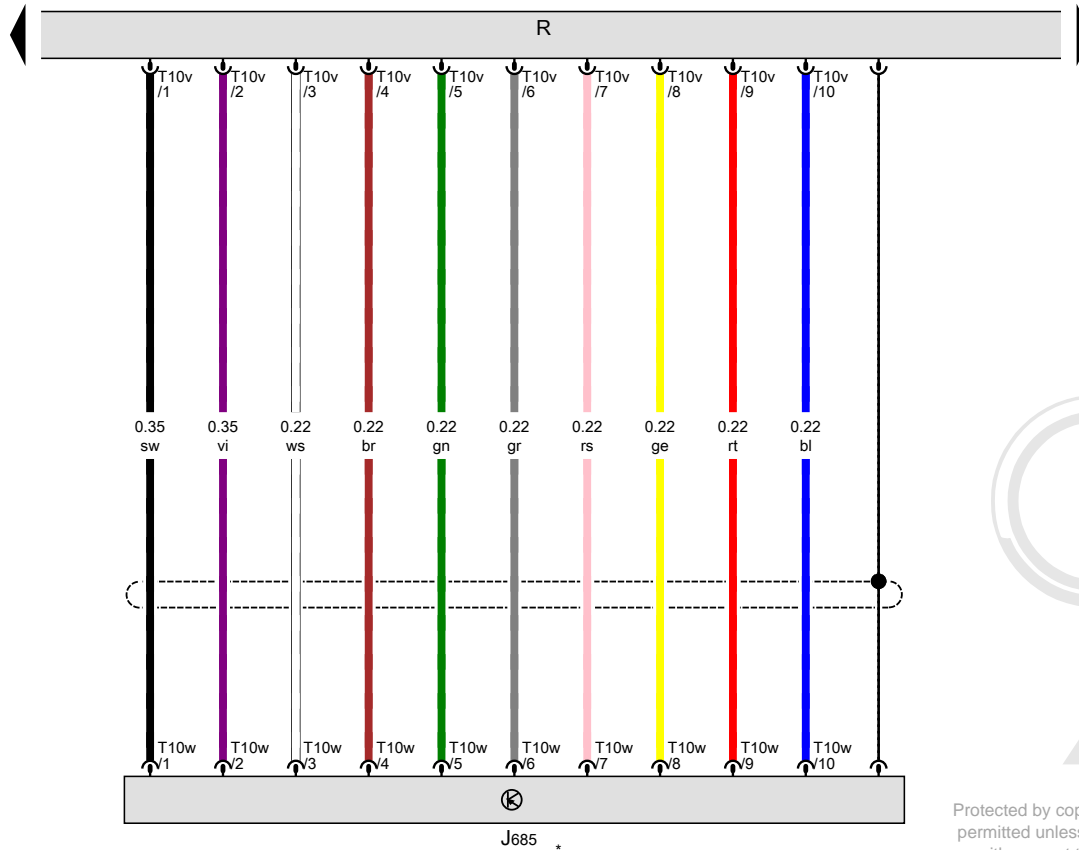
- R Radio
- R36 Telephone transceiver
- ST2 Fuse panel 2
- SD3 Fuse 3 (on fuse panel D)
- T12a 12-pin connector
- T16l 16-pin connector
- T54a 54-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram for fuse positions



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

Front information display control head, Radio

J685 Front information display control head  
 R Radio  
 T10v 10-pin connector  
 T10w 10-pin connector  
 \* Optional equipment

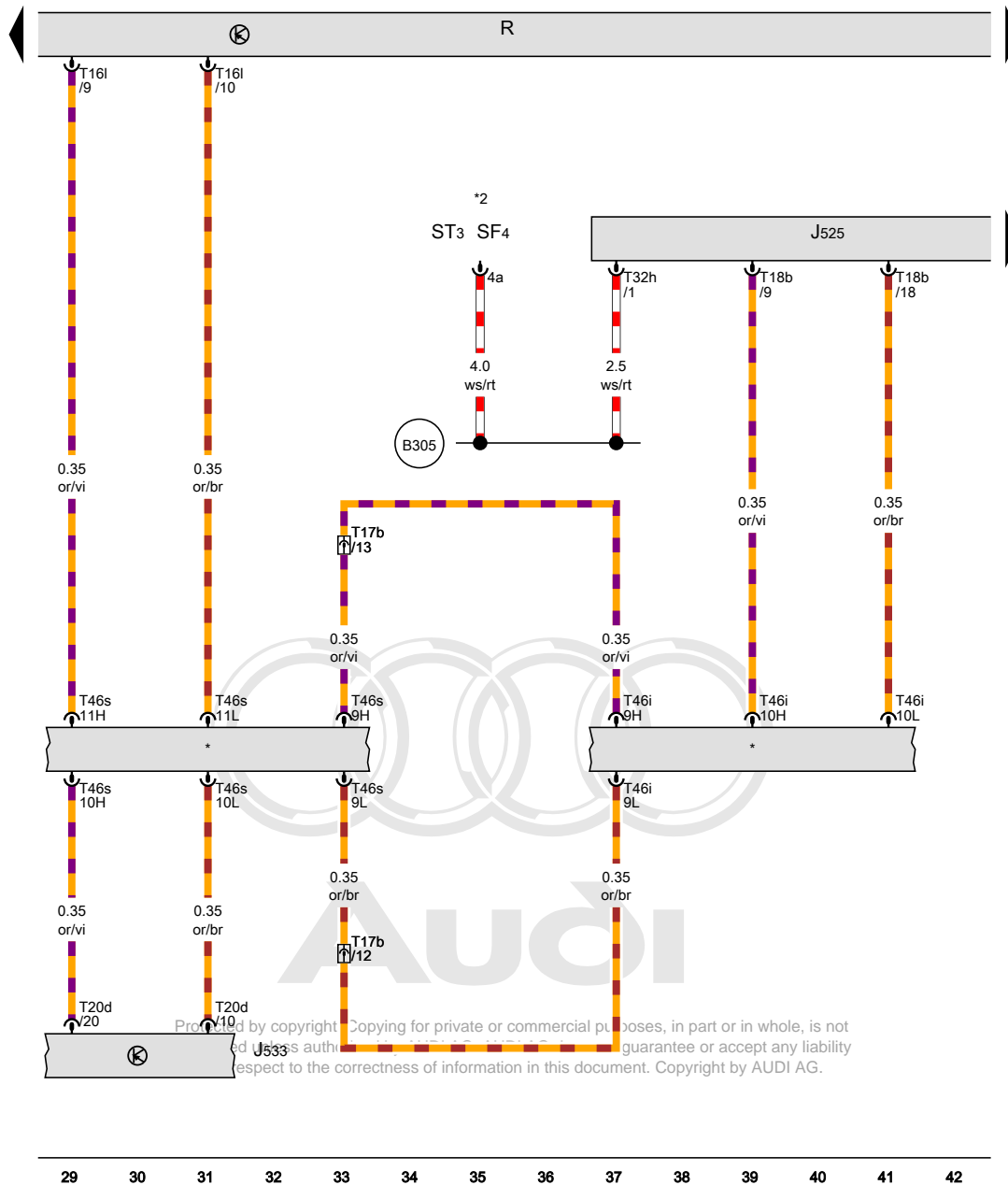


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 vi = lilac  
 ge = yellow  
 or = orange  
 rs = pink



Digital sound system control module, Data bus on board diagnostic interface, Radio



- J525 Digital sound system control module
- J533 Data bus on board diagnostic interface
- R Radio
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- T16l 16-pin connector
- T17b 17-pin connector, blue
- T18b 18-pin connector
- T20d 20-pin connector
- T32h 32-pin connector
- T46i 46-pin connector
- T46s 46-pin connector

B305 Positive connection 9 (30) (in main wiring harness)

- \* Refer to applicable wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions

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

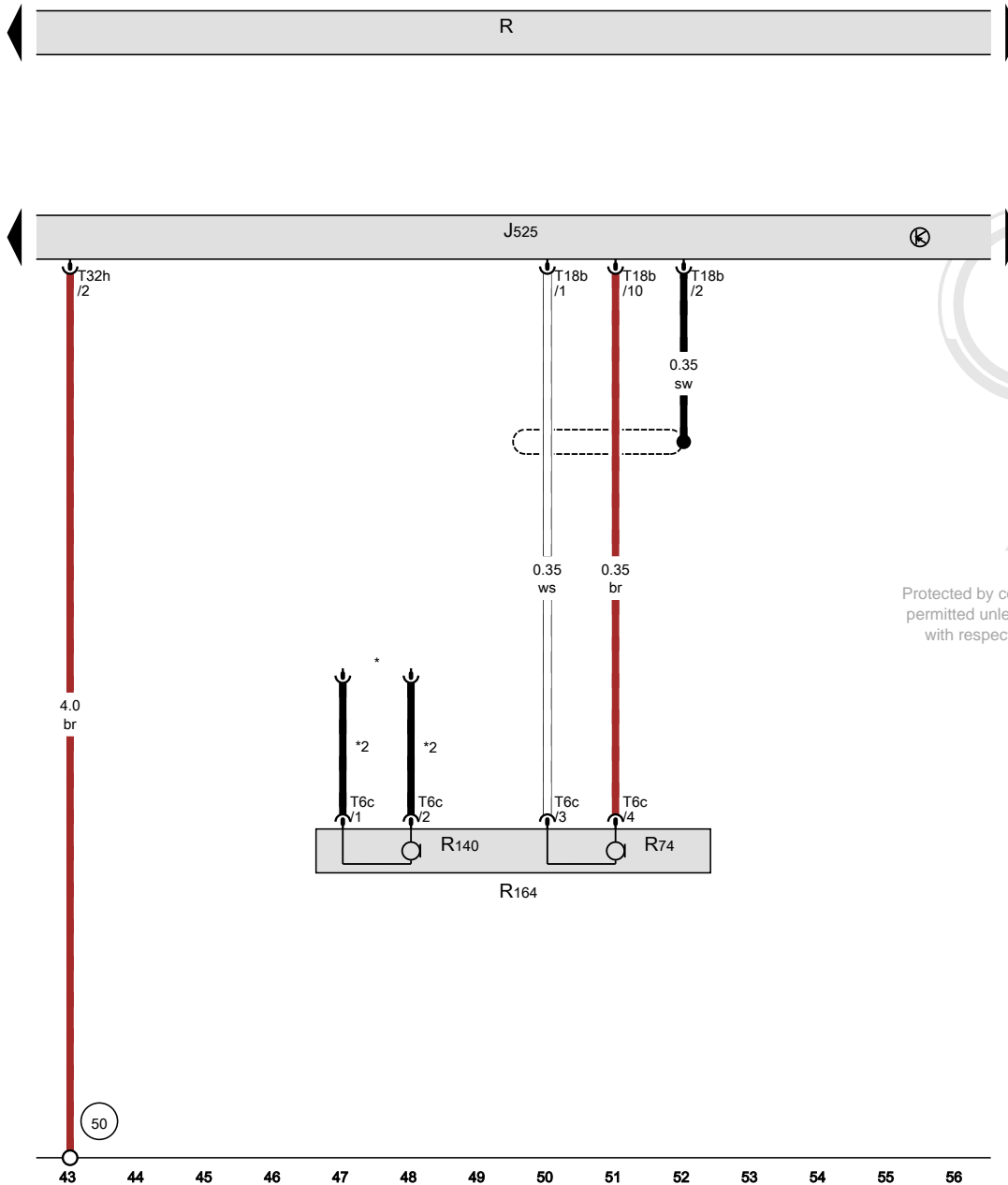
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183B-1130411121

Digital sound system control module, Radio, Microphone unit in front roof module

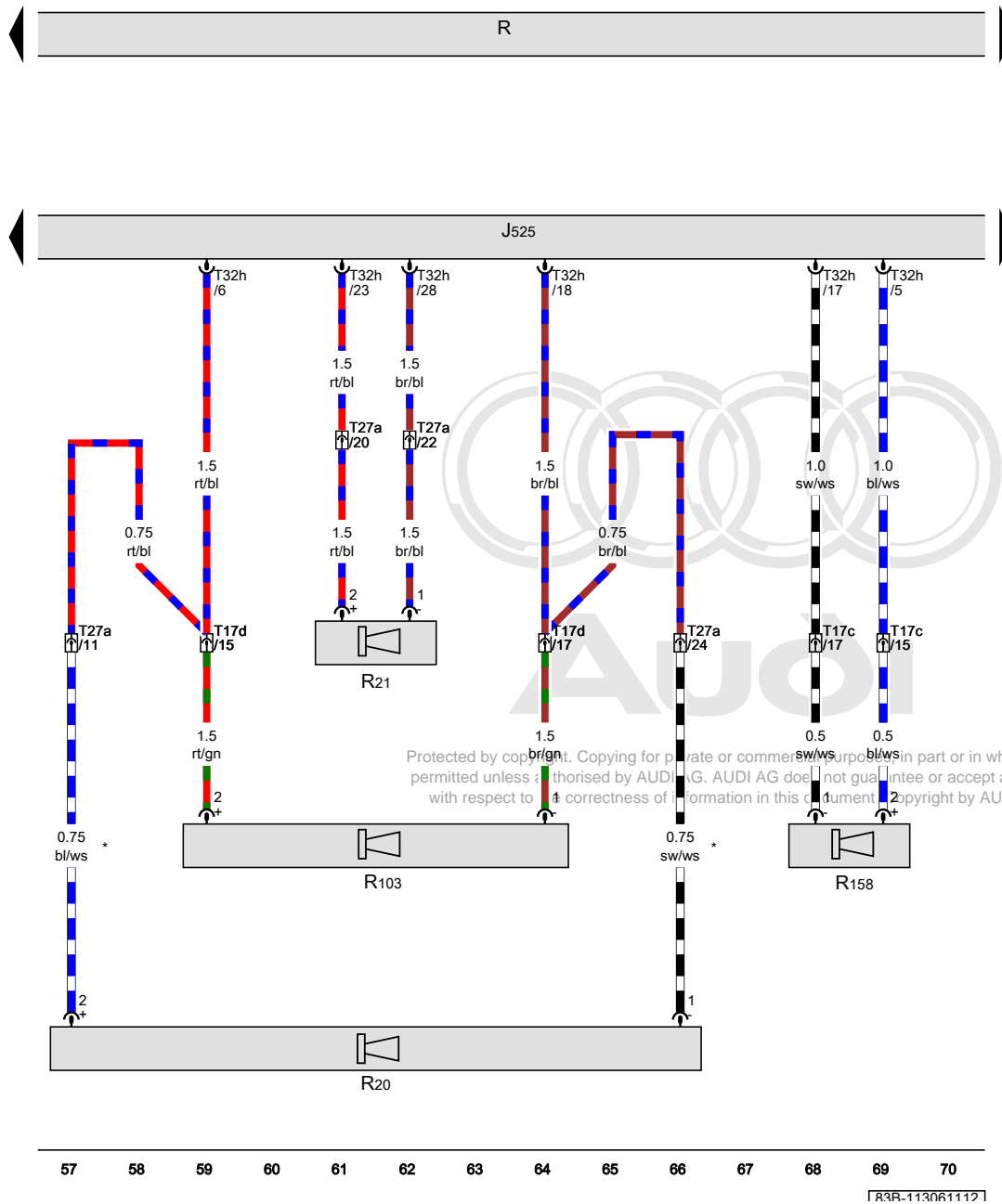
- J525 Digital sound system control module
- R Radio
- R74 Interior microphone
- R140 Left front microphone
- R164 Microphone unit in front roof module
- T6c 6-pin connector
- T18b 18-pin connector
- T32h 32-pin connector

- 50 Ground connection in luggage compartment, left
- \* Only for vehicles with with a cell phone/telephone
- \*2 Refer to applicable telephone systems wiring diagram



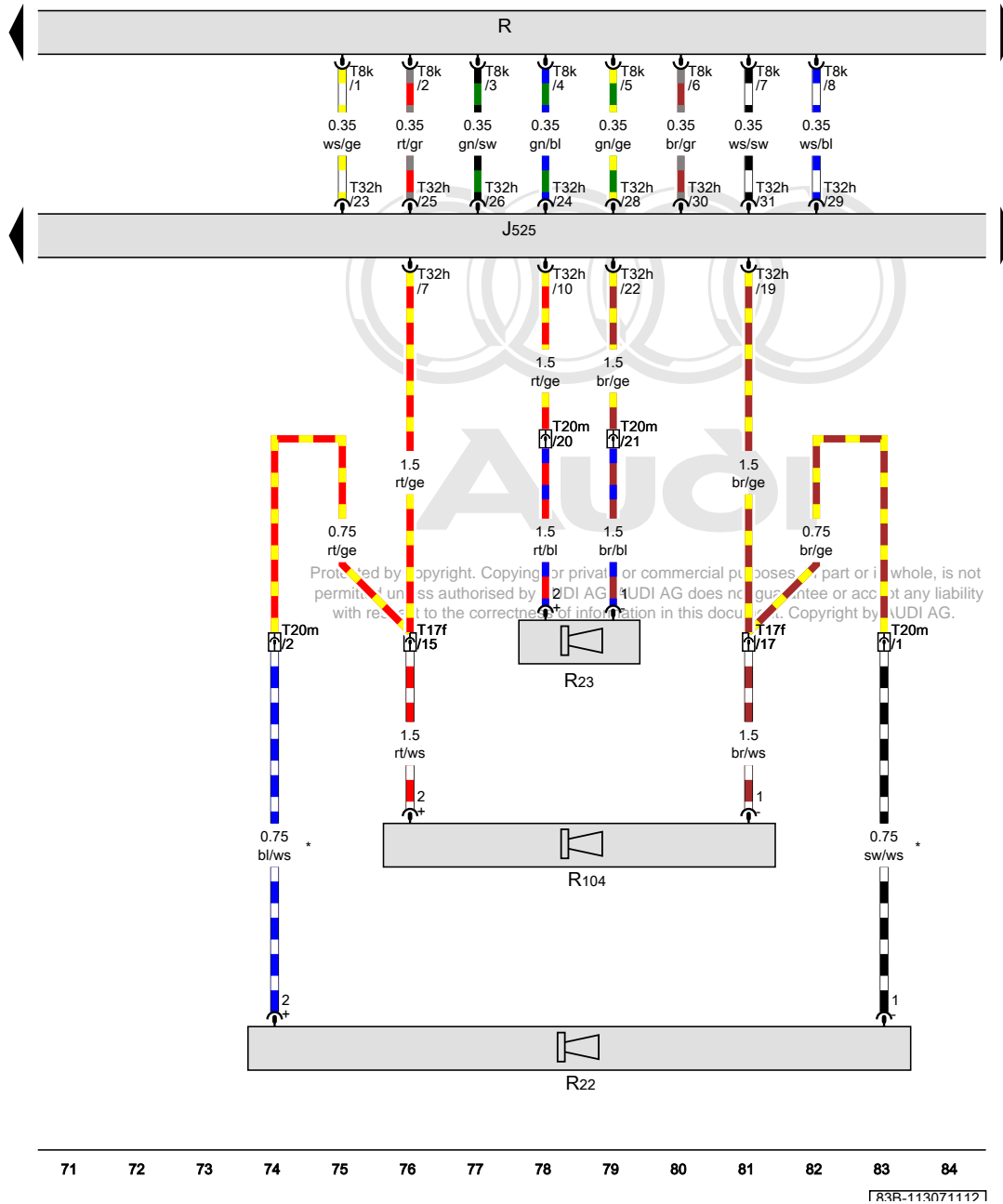
- ws = white
- sw = black
- ro = red
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

[83R-113051112]



Digital sound system control module, Radio, Left front treble speaker, Left front bass speaker, Left front midrange speaker, Center mid-treble speaker

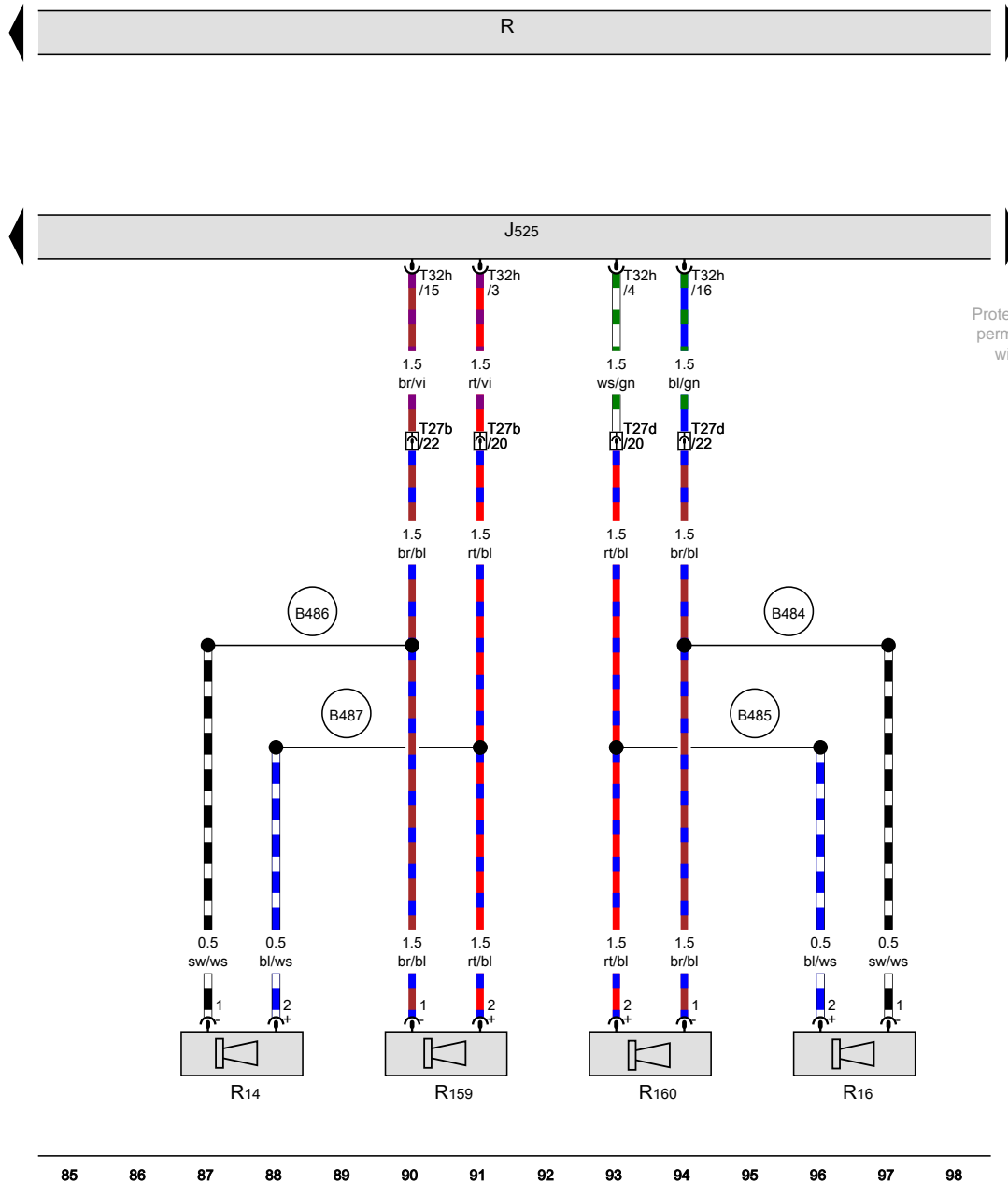
- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R21 Left front bass speaker
- R103 Left front midrange speaker
- R158 Center mid-treble speaker
- T17c 17-pin connector
- T17d 17-pin connector
- T27a 27-pin connector
- T32h 32-pin connector
- \* Diameter depends on equipment



Digital sound system control module, Radio, Right front treble speaker, Right front bass speaker, Right front midrange speaker

- J525 Digital sound system control module
- R Radio
- R22 Right front treble speaker
- R23 Right front bass speaker
- R104 Right front midrange speaker
- T8k 8-pin connector
- T17f 17-pin connector
- T20m 20-pin connector
- T32h 32-pin connector
- \* Diameter depends on equipment

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



Digital sound system control module, Radio, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

J525 Digital sound system control module  
R Radio  
R14 Left rear treble speaker  
R16 Right rear treble speaker  
R159 Left rear mid-bass speaker  
R160 Right rear mid-bass speaker  
T27b 27-pin connector  
T27d 27-pin connector  
T32h 32-pin connector

B484 Connection 20 (in main wiring harness)

B485 Connection 21 (in main wiring harness)

B486 Connection 22 (in main wiring harness)

B487 Connection 23 (in main wiring harness)

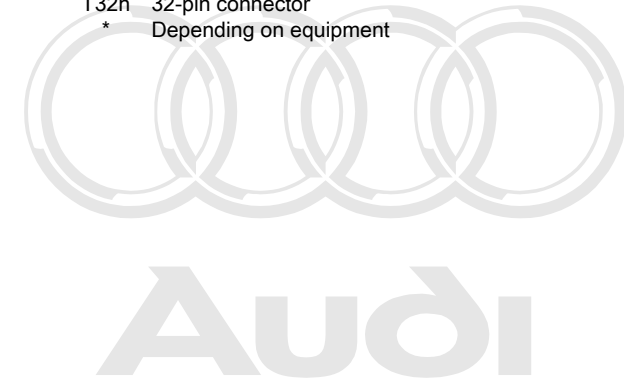
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vi = lilac  
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[A3B-113081112]

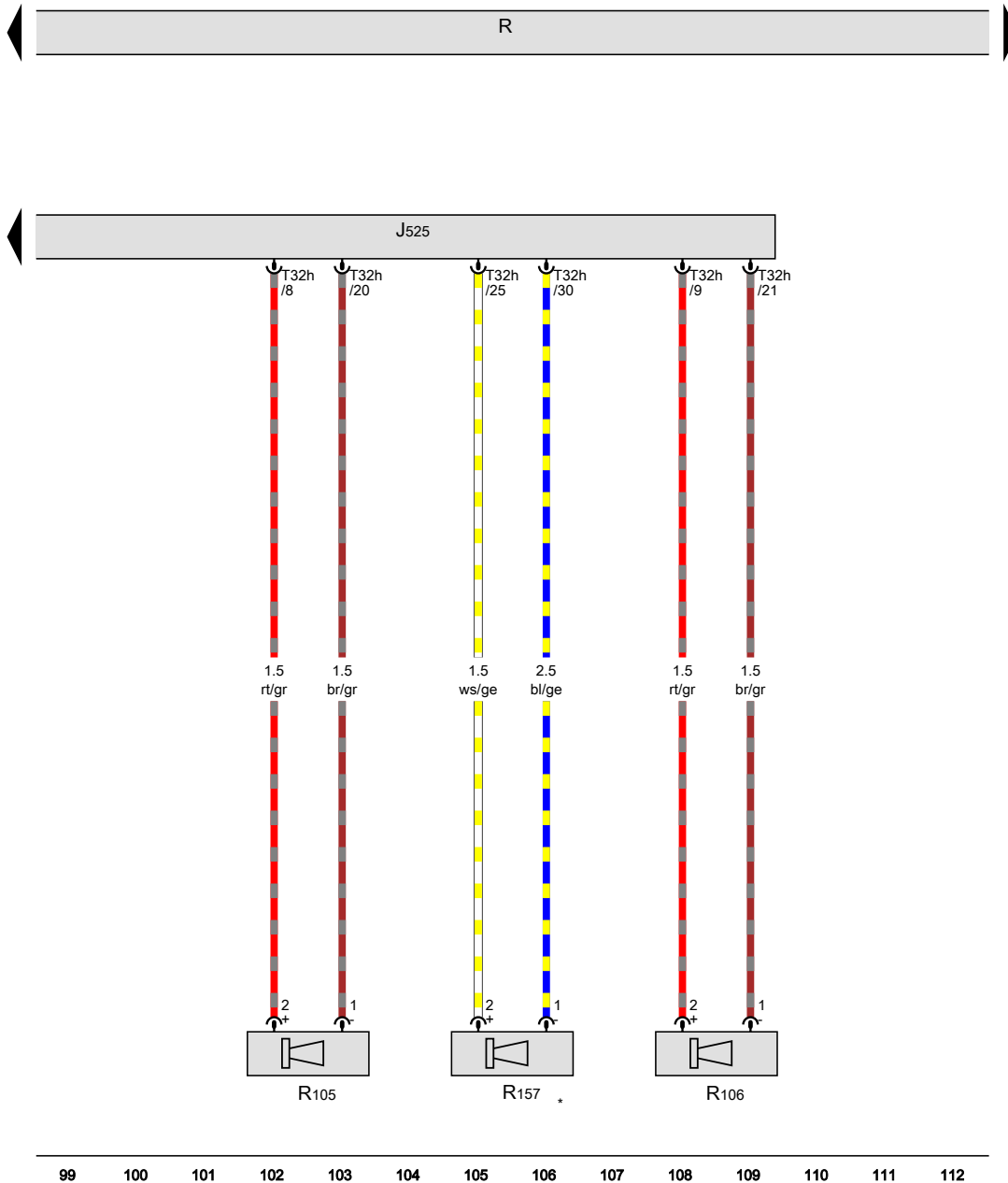
Digital sound system control module, Radio, Left rear midrange speaker, Subwoofer in rear shelf

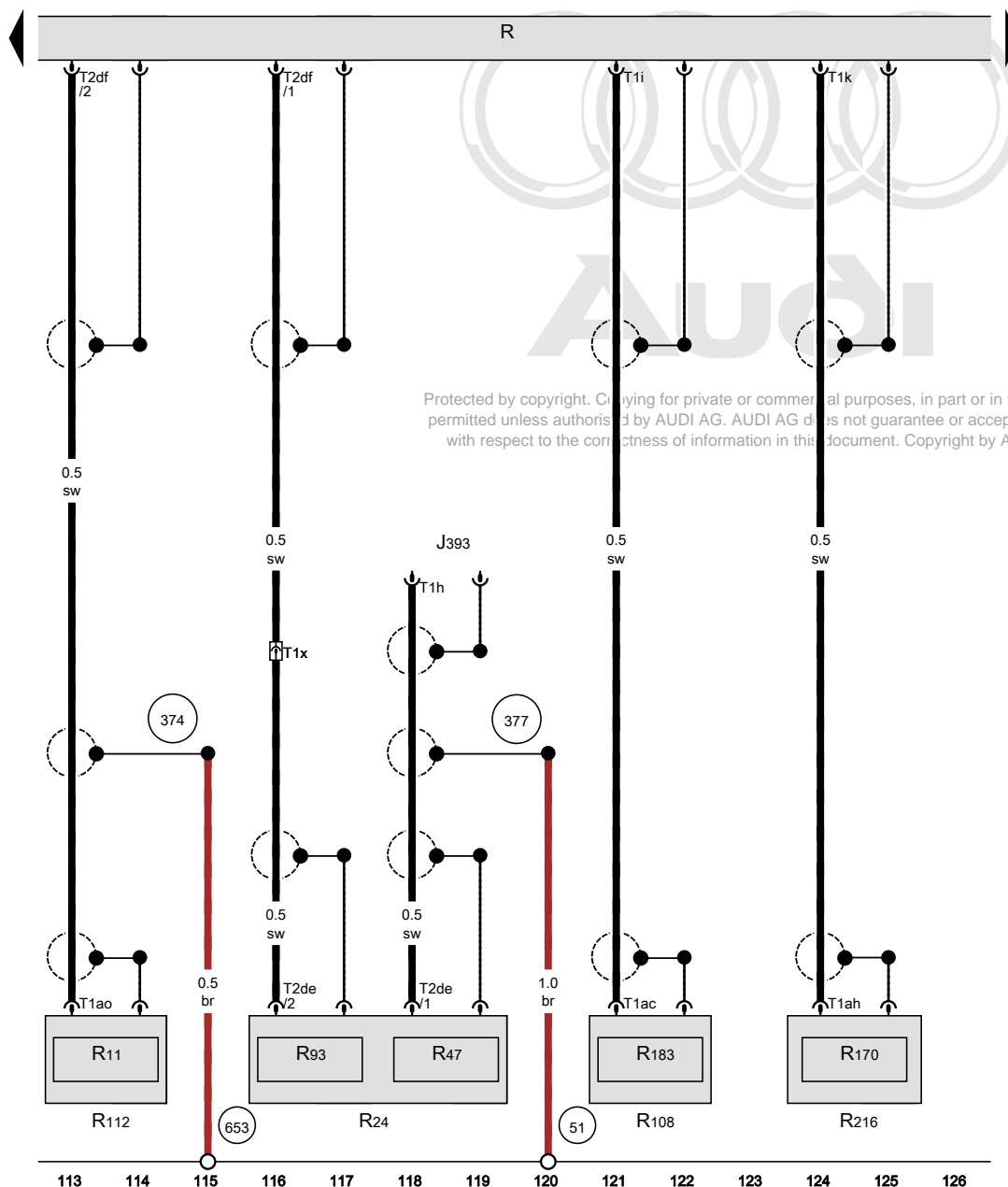
- J525 Digital sound system control module
- R Radio
- R105 Left rear midrange speaker
- R106 Right rear midrange speaker
- R157 Subwoofer in rear shelf
- T32h 32-pin connector
- \* Depending on equipment



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





Radio, Antenna, Antenna amplifier, Central locking and anti-theft alarm system antenna, Radio antenna 2, Left antenna module, Antenna amplifier 3, Satellite antenna, Digital radio antenna, Roof antenna

- J393 Comfort system central control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier, Rear window, lower left
- R47 Central locking and anti-theft alarm system antenna
- R93 Radio antenna 2
- R108 Left antenna module, in the left side window
- R112 Antenna amplifier 3, on the rear window
- R170 Satellite antenna
- R183 Digital radio antenna
- R216 Roof antenna
- T1ac Single connector
- T1ah Single connector
- T1ao Single connector
- T1h Single connector
- T1i Single connector
- T1k Single connector
- T1x Single connector, gray
- T2de Double connector
- T2df Double connector

- 51 Ground connection in luggage compartment, right
- 374 Ground connection 9 (in main wiring harness)
- 377 Ground connection 12 (in main wiring harness)
- 653 Ground connection on left D-pillar

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

[R3R-113101117]

# Radio, External audio source connection

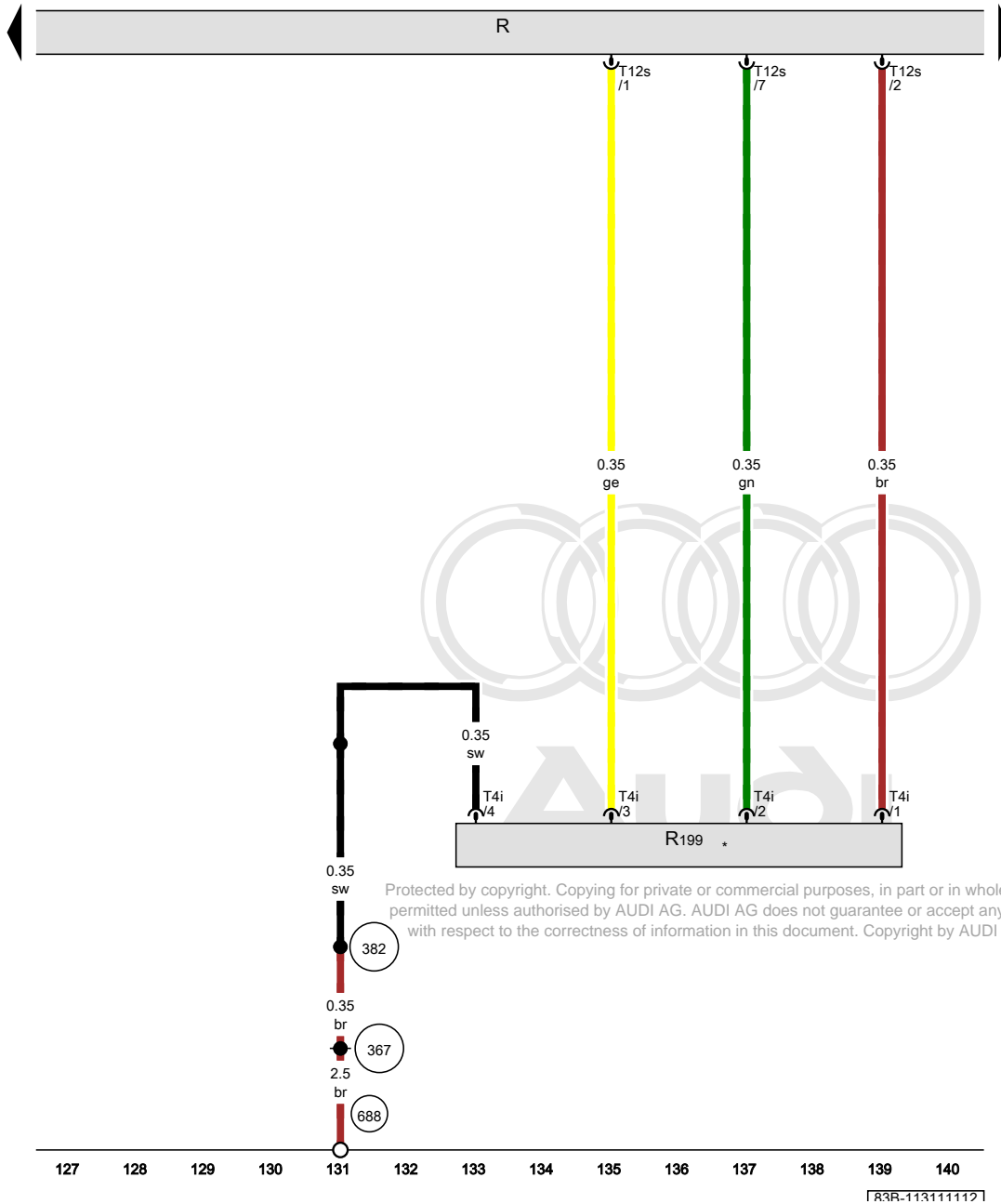
R Radio  
R199 External audio source connection  
T4i 4-pin connector  
T12s 12-pin connector

367 Ground connection 2 (in main wiring harness)

382 Ground connection 17 (in main wiring harness)

688 Ground connection 2 on center tunnel

\* Only for vehicles with external audio source connection - AUX-In connection



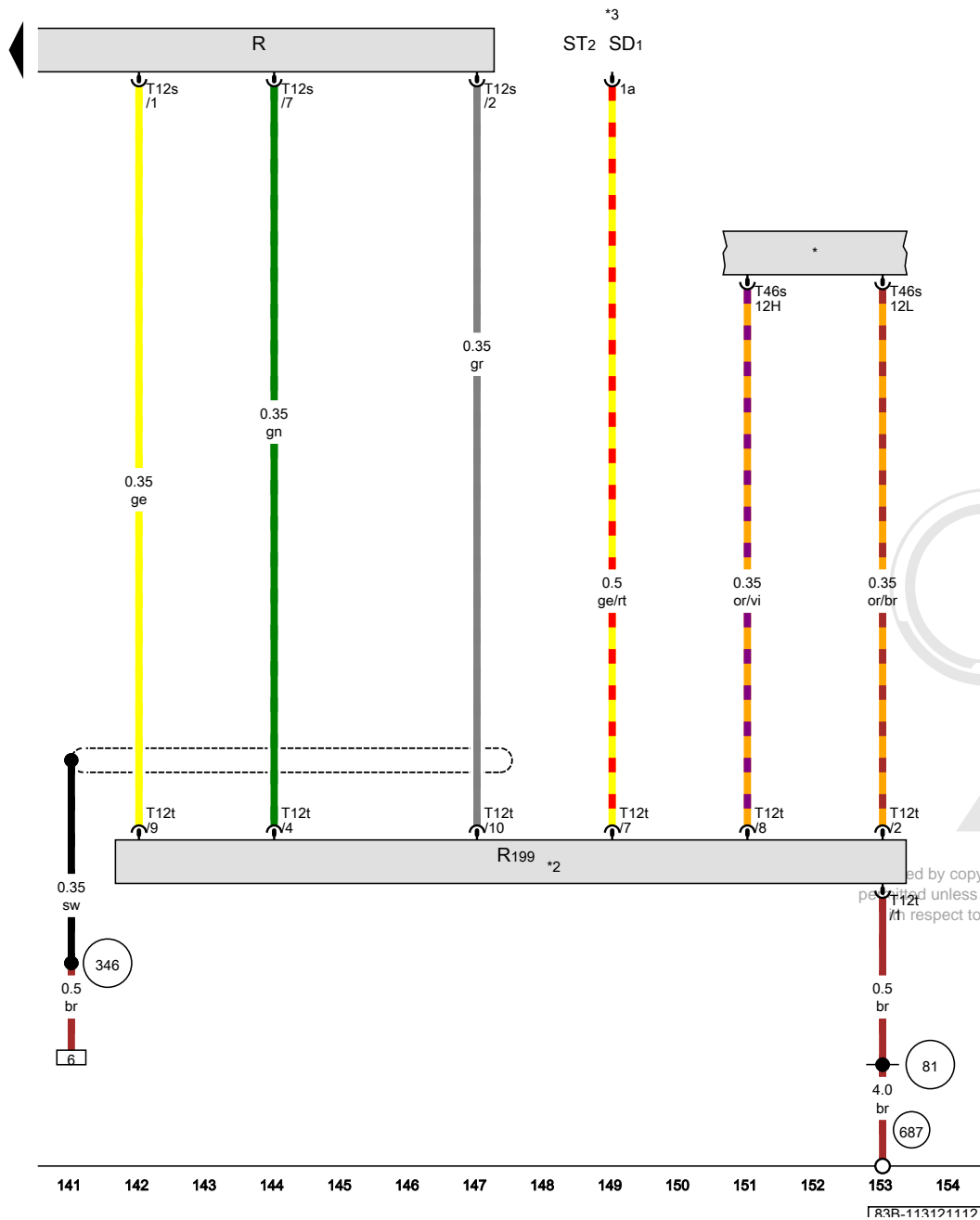
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gn = green  
bl = blue  
gr = grey  
li = lilac  
vi = lilac  
ge = yellow  
or = orange  
rs = pink



# Radio

- R Radio
- R199 External audio source connection
- SD1 Fuse 1 (on fuse panel D)
- ST2 Fuse panel 2
- T12s 12-pin connector
- T12t 12-pin connector
- T46s 46-pin connector
- 81 Ground connection 1 (in instrument panel wiring harness)
- 346 Audio ground connection (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram
- \*2 Only for vehicles with external audio source connection - Audi music interface
- \*3 Refer to applicable wiring diagram for fuse positions



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

## Rearview camera (Rear Assist)

from May 2012

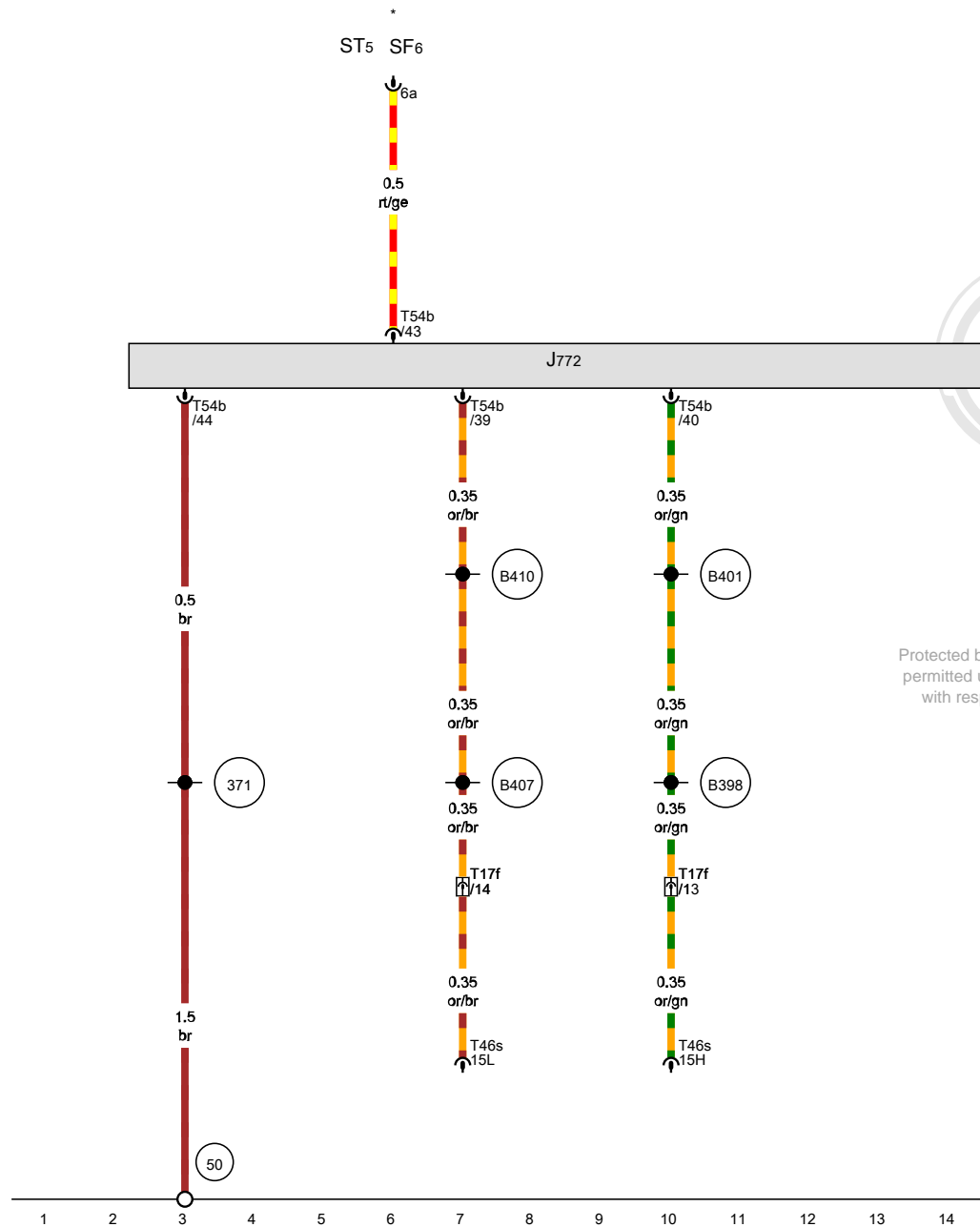


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Rearview camera system control module

- J772 Rearview camera system control module
- ST5 Fuse panel 5
- SF6 Fuse 6 (on fuse panel F)
- T17f 17-pin connector
- T46s 46-pin connector
- T54b 54-pin connector

- 50 Ground connection in luggage compartment, left
- 371 Ground connection 6 (in main wiring harness)
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- \* Refer to applicable wiring diagram for fuse positions



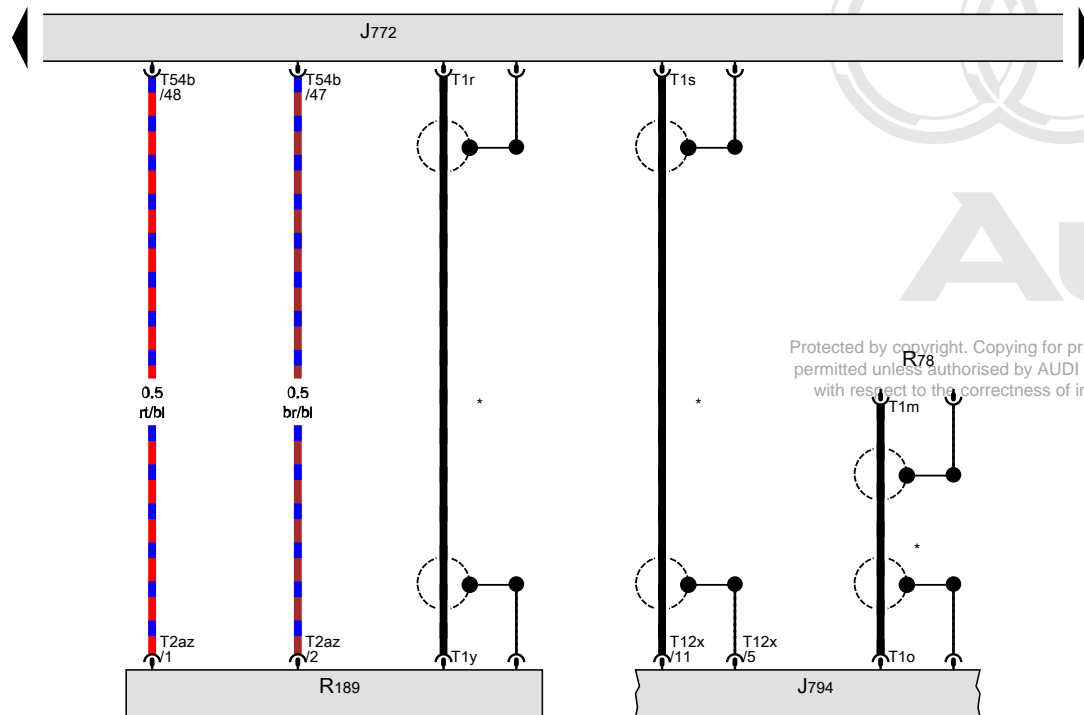
- ws = white
- sw = black
- ro = red
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- gn = green
- bl = blue
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83R-1140211121

Rearview camera system control module, Information electronics control module 1, Rearview camera

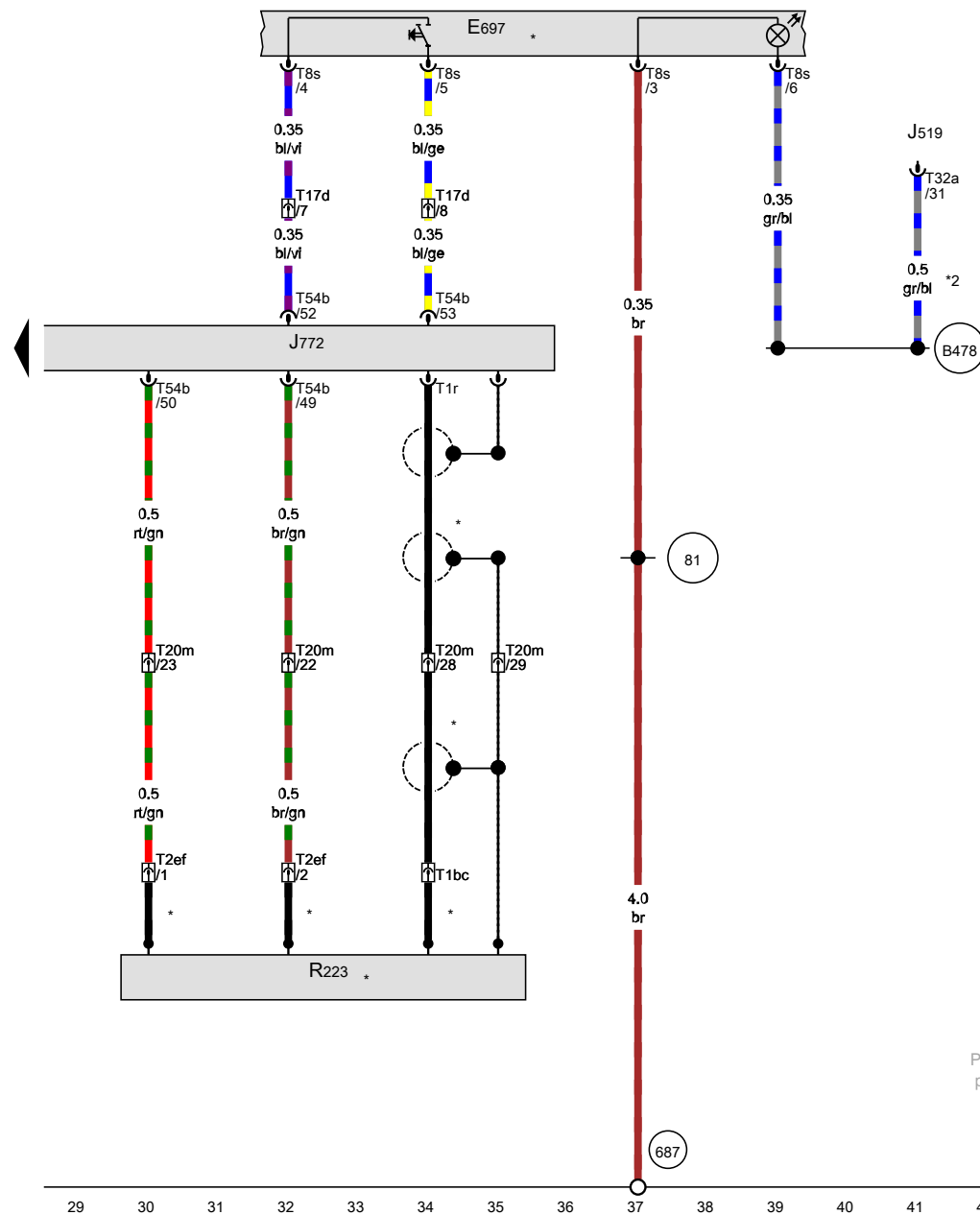
- J772 Rearview camera system control module
- J794 Information electronics control module 1
- R78 TV tuner
- R189 Rearview camera
- T1m Single connector
- T1o Single connector
- T1r Single connector
- T1s Single connector
- T1y Single connector
- T2az Double connector
- T12x 12-pin connector
- T54b 54-pin connector
- \* Only for vehicles with a rearview camera system



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

Vehicle electrical system control module, Rearview camera system control module, Camera in exterior rearview mirror



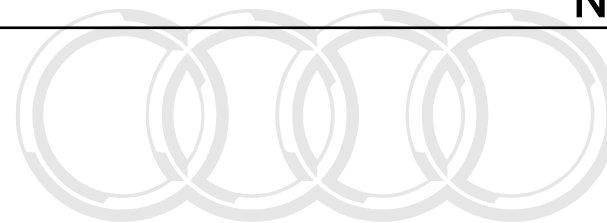
- E697 Exterior rearview mirror camera button
- J519 Vehicle electrical system control module
- J772 Rearview camera system control module
- R223 Camera in exterior rearview mirror
- T1bc Single connector
- T1r Single connector
- T2ef Double connector
- T8s 8-pin connector
- T17d 17-pin connector
- T20m 20-pin connector
- T32a 32-pin connector
- T54b 54-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- B478 Connection 14 (in main wiring harness)
- \* Only for vehicles with Japan equipment
- \*2 Depending on equipment

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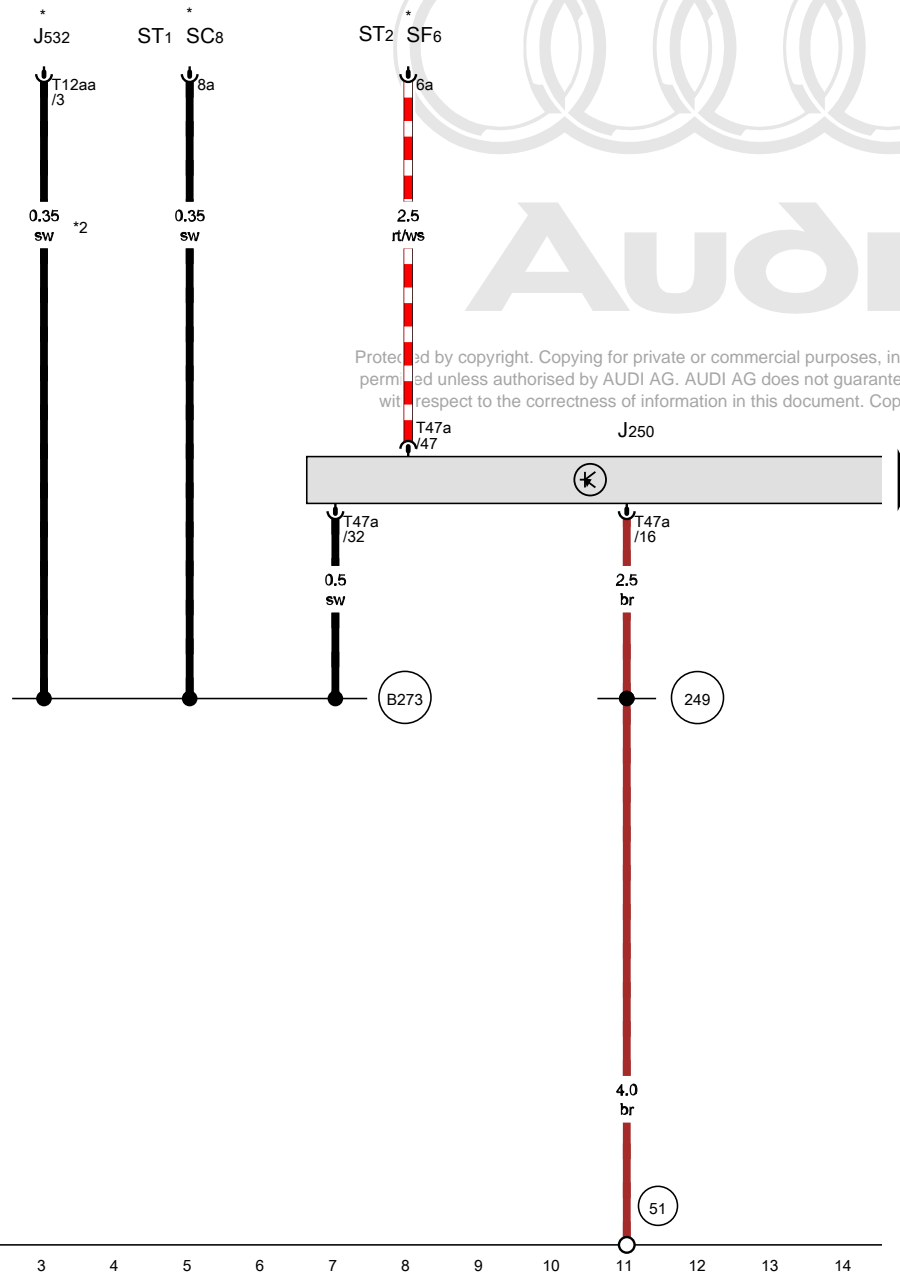


### Level control system with dampening adjustment from May 2012



# Audi

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### Electronic damping control module

- J250 Electronic damping control module
- J532 Voltage stabilizer
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SF6 Fuse 6 (on fuse panel F)
- SC8 Fuse 8 (on fuse panel C)
- T12aa 12-pin connector
- T47a 47-pin connector

- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B273 Positive connection (15) (in main wiring harness)

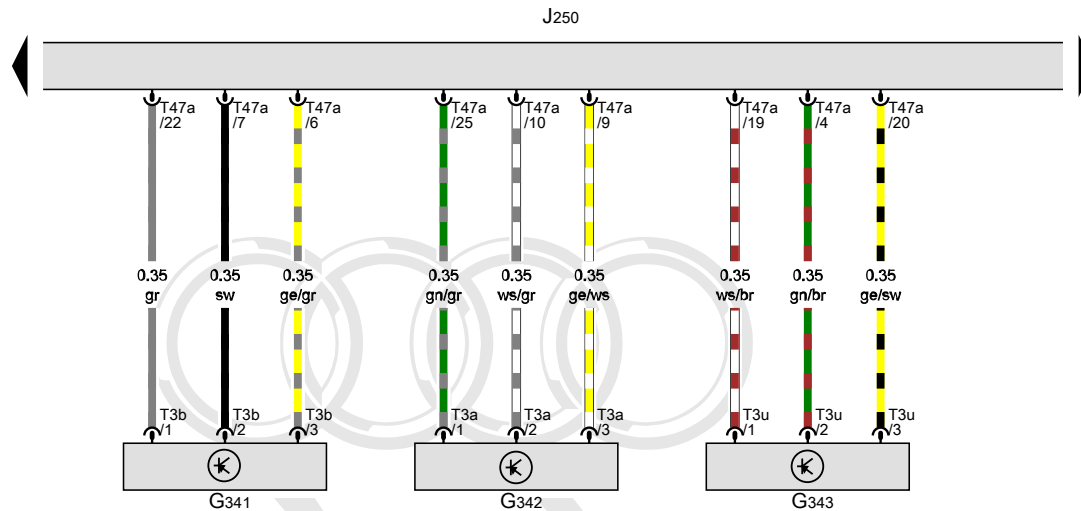
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with Stop/Start system

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

183R-1150211121

Left front body acceleration sensor, Right front body acceleration sensor, Rear body acceleration sensor, Electronic damping control module

- G341 Left front body acceleration sensor
- G342 Right front body acceleration sensor
- G343 Rear body acceleration sensor
- J250 Electronic damping control module
- T3a 3-pin connector
- T3b 3-pin connector
- T3u 3-pin connector
- T47a 47-pin connector



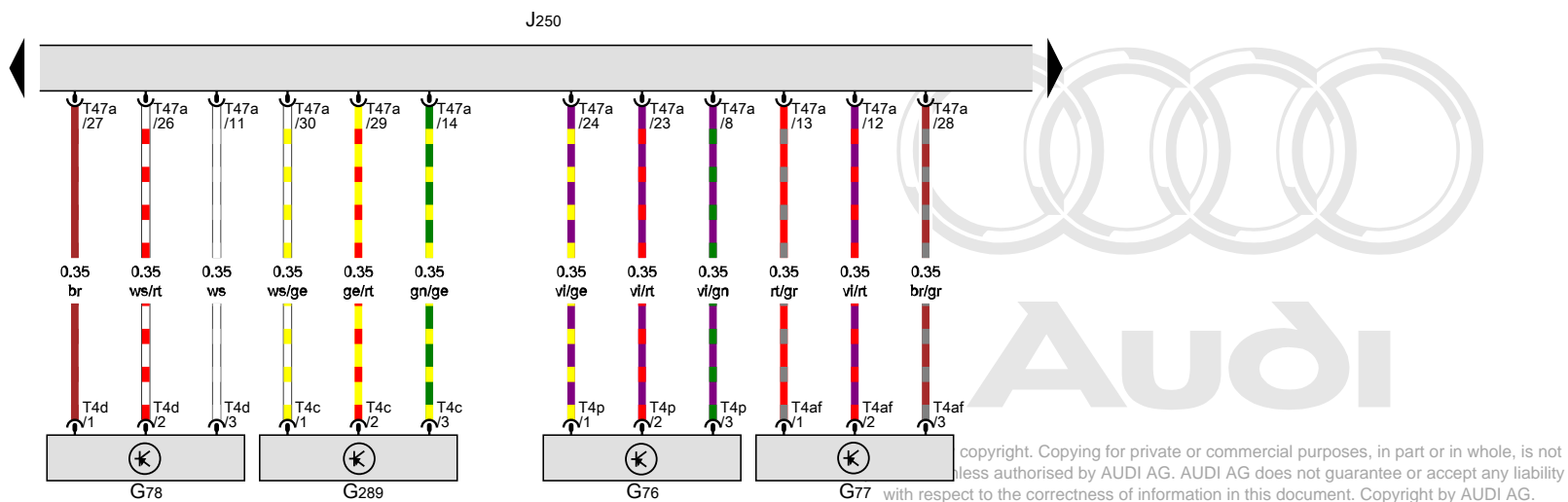
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- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink



Left rear level control system sensor, Right rear level control system sensor, Left front level control system sensor, Right front level control sensor, Electronic damping control module

- G76 Left rear level control system sensor
- G77 Right rear level control system sensor
- G78 Left front level control system sensor
- G289 Right front level control sensor
- J250 Electronic damping control module
- T4af 4-pin connector
- T4c 4-pin connector
- T4d 4-pin connector
- T4p 4-pin connector
- T47a 47-pin connector



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- gn = green
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- gr = grey
- li = lilac
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- or = orange
- rs = pink

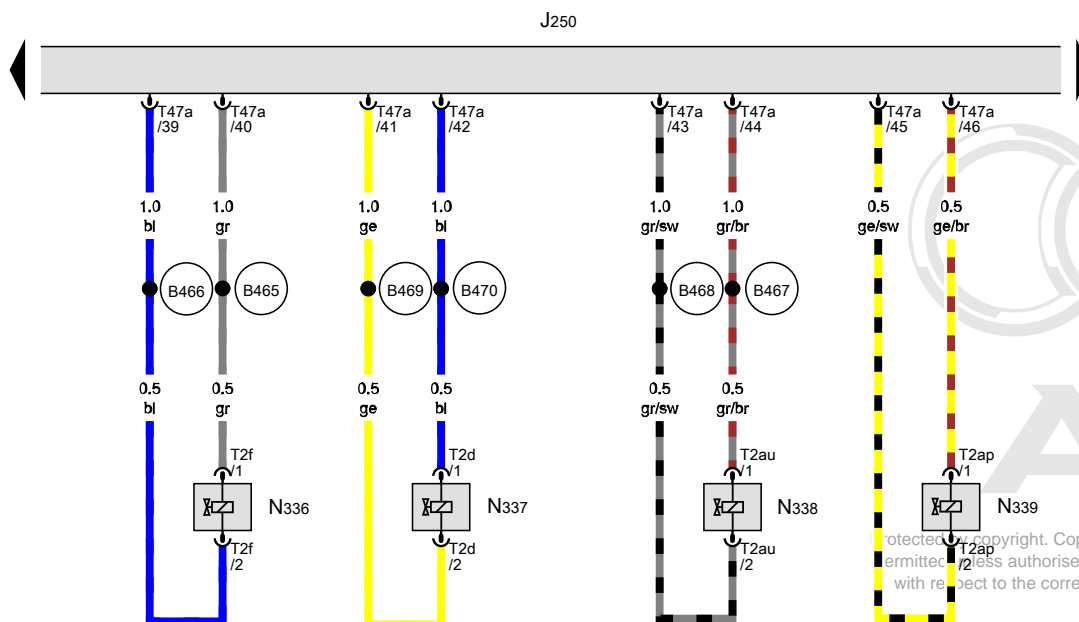
29 30 31 32 33 34 35 36 37 38 39 40 41 42

[83B-115041112]

Electronic damping control module, Left front damping adjustment valve, Right front damping adjustment valve, Left rear damping adjustment valve, Right rear damping adjustment valve

- J250 Electronic damping control module
- N336 Left front damping adjustment valve
- N337 Right front damping adjustment valve
- N338 Left rear damping adjustment valve
- N339 Right rear damping adjustment valve
- T2ap Double connector
- T2au Double connector
- T2d Double connector
- T2f Double connector
- T47a 47-pin connector

- B465 Connection 1 (in main wiring harness)
- B466 Connection 2 (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)



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- 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

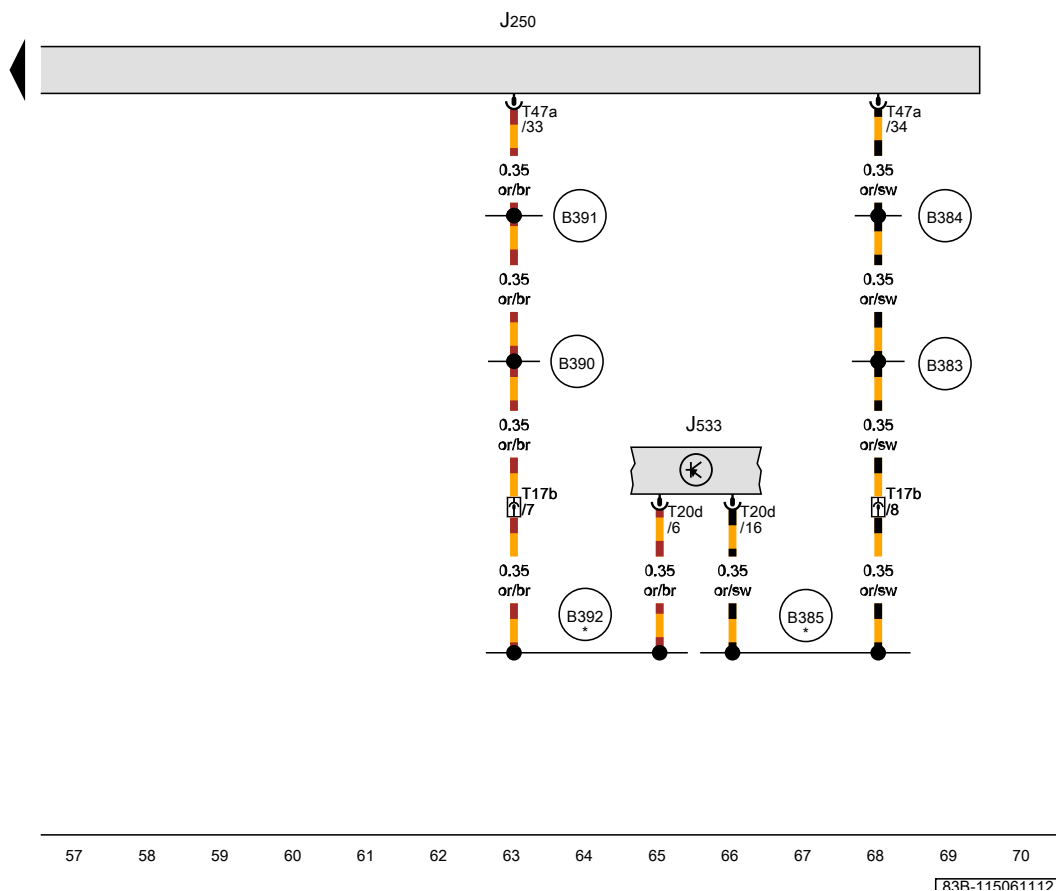
[A3B-115051112]

# Electronic damping control module, Data bus on board diagnostic interface

- J250 Electronic damping control module
- J533 Data bus on board diagnostic interface
- T17b 17-pin connector, blue
- T20d 20-pin connector
- T47a 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)
- B385 Powertrain CAN bus high connection 3 (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)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)

\* Omitted as a running change



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

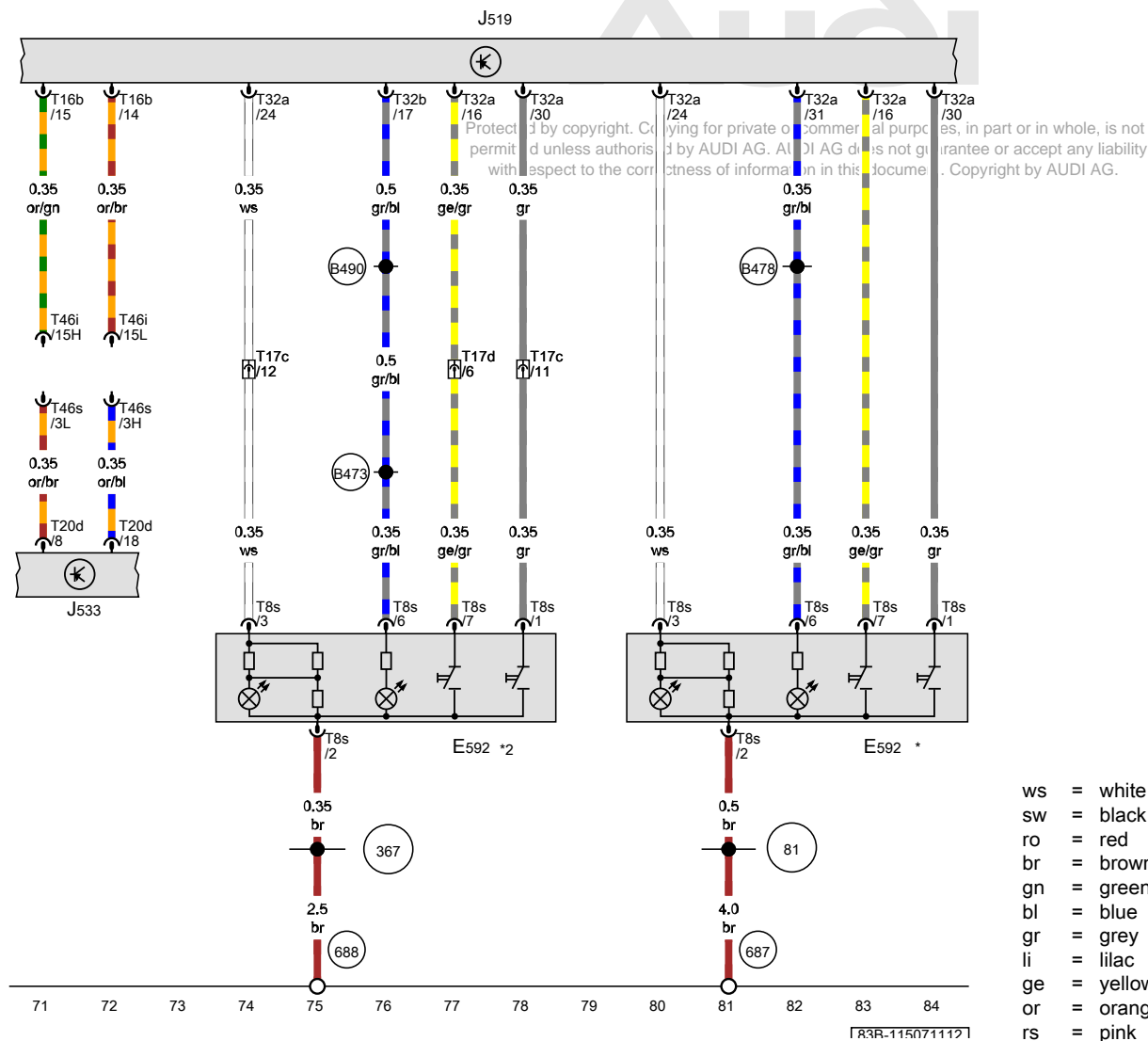
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Driving profile selection switch module, Vehicle electrical system control module, Data bus on board diagnostic interface

- E592 Driving profile selection switch module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- T8s 8-pin connector
- T16b 16-pin connector
- T17c 17-pin connector, black
- T17d 17-pin connector, brown
- T20d 20-pin connector
- T32a 32-pin connector
- T32b 32-pin connector
- T46i 46-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B478 Connection 14 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system



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

**Parking brake - electromechanical**  
from May 2012

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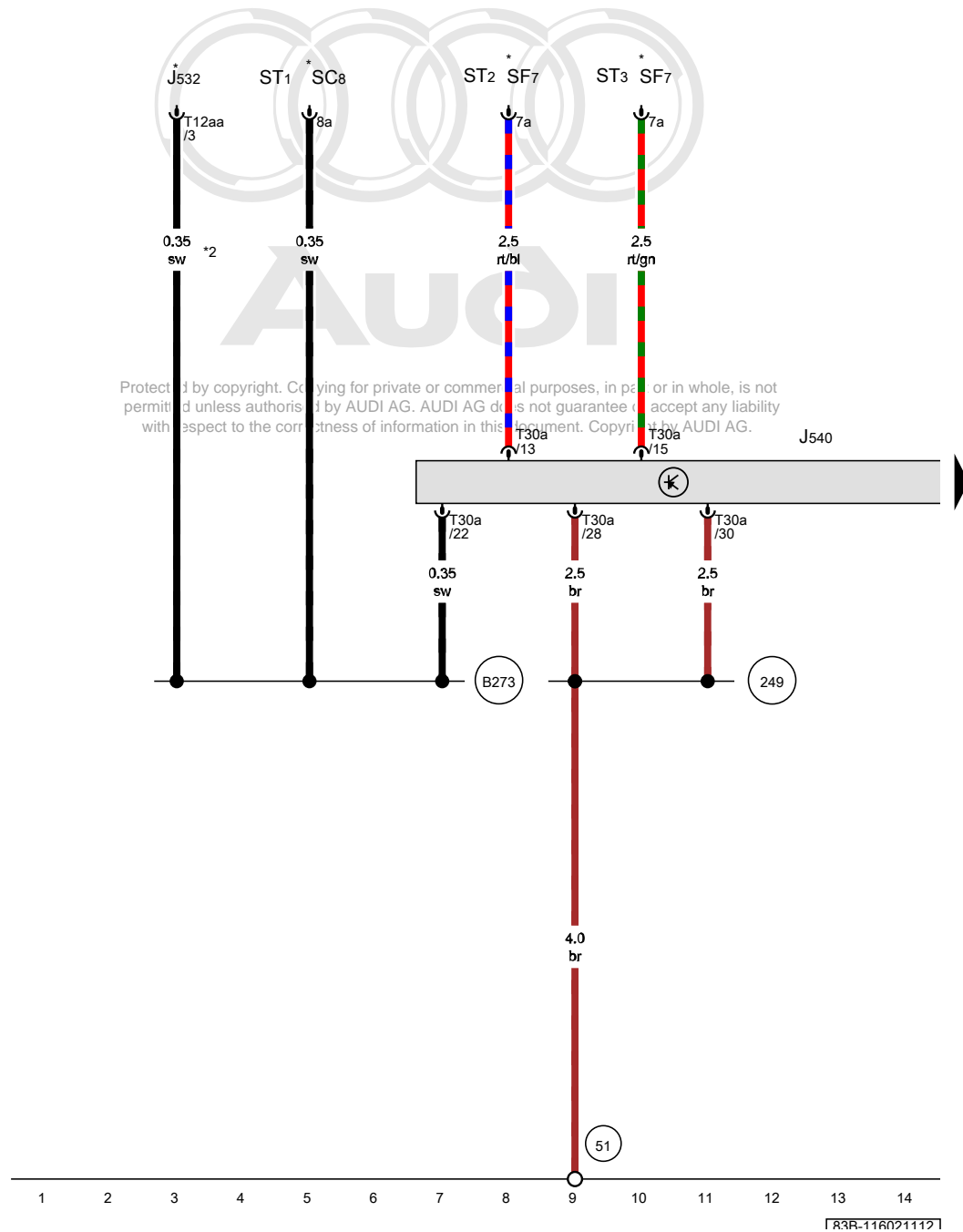
# Electromechanical parking brake control module

- J532 Voltage stabilizer
- J540 Electromechanical parking brake control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- ST3 Fuse panel 3
- SF7 Fuse 7 (on fuse panel F)
- SC8 Fuse 8 (on fuse panel C)
- T12aa 12-pin connector
- T30a 30-pin connector

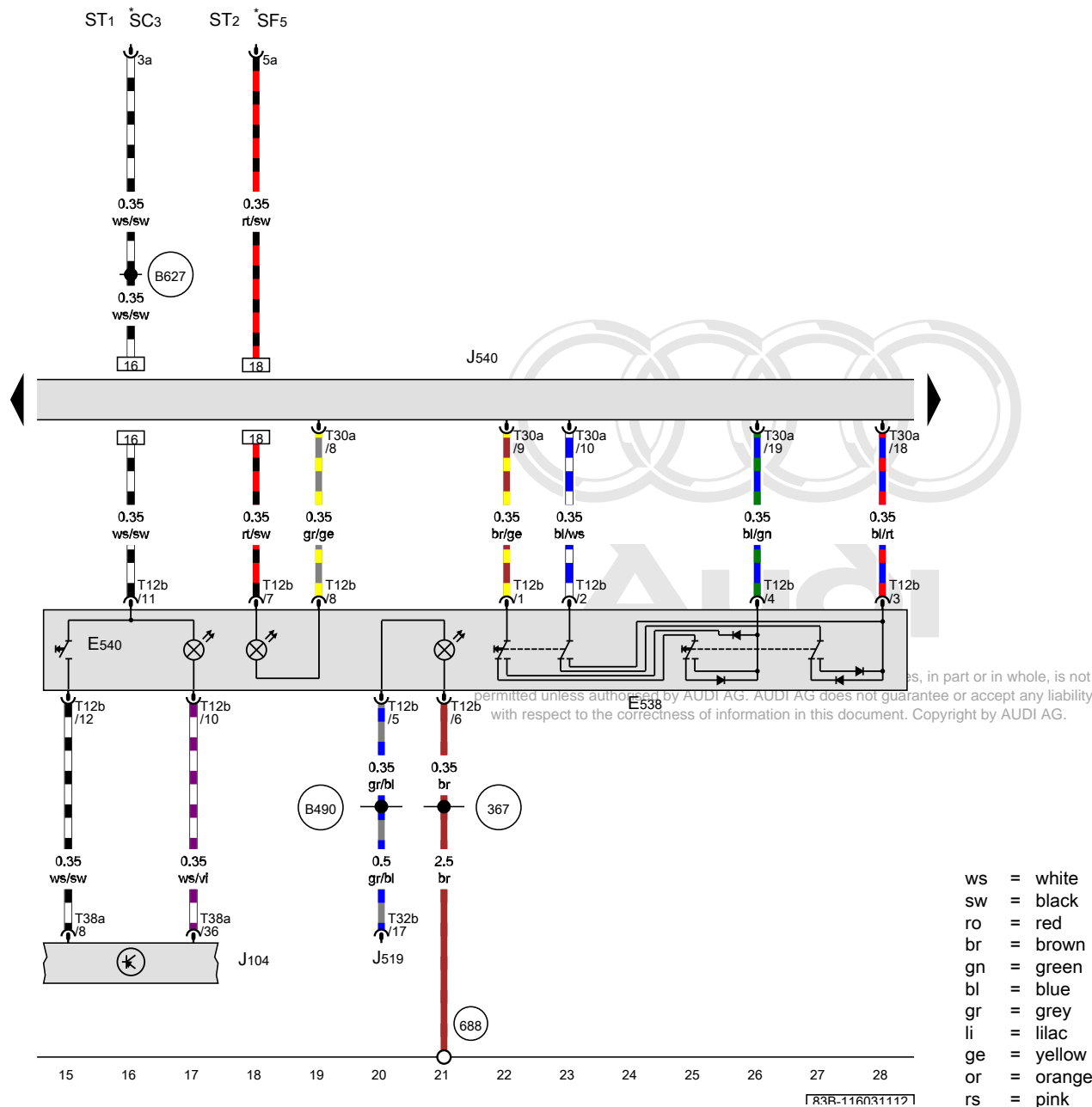
- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B273 Positive connection (15) (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with Stop/Start system

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183B-1160211121



# Electromechanical parking brake button, -AUTO HOLD- button, ABS control module, Electromechanical parking brake control module

E538 Electromechanical parking brake button

E540 -AUTO HOLD- button

J104 ABS control module

J519 Vehicle electrical system control module

J540 Electromechanical parking brake control module

ST1 Fuse panel 1

ST2 Fuse panel 2

SC3 Fuse 3 (on fuse panel C)

SF5 Fuse 5 (on fuse panel F)

T12b 12-pin connector

T30a 30-pin connector

T32b 32-pin connector

T38a 38-pin connector

367 Ground connection 2 (in main wiring harness)

688 Ground connection 2 on center tunnel

B490 Connection 26 (in main wiring harness)

B627 Positive connection 3 (15) (in main wiring harness)

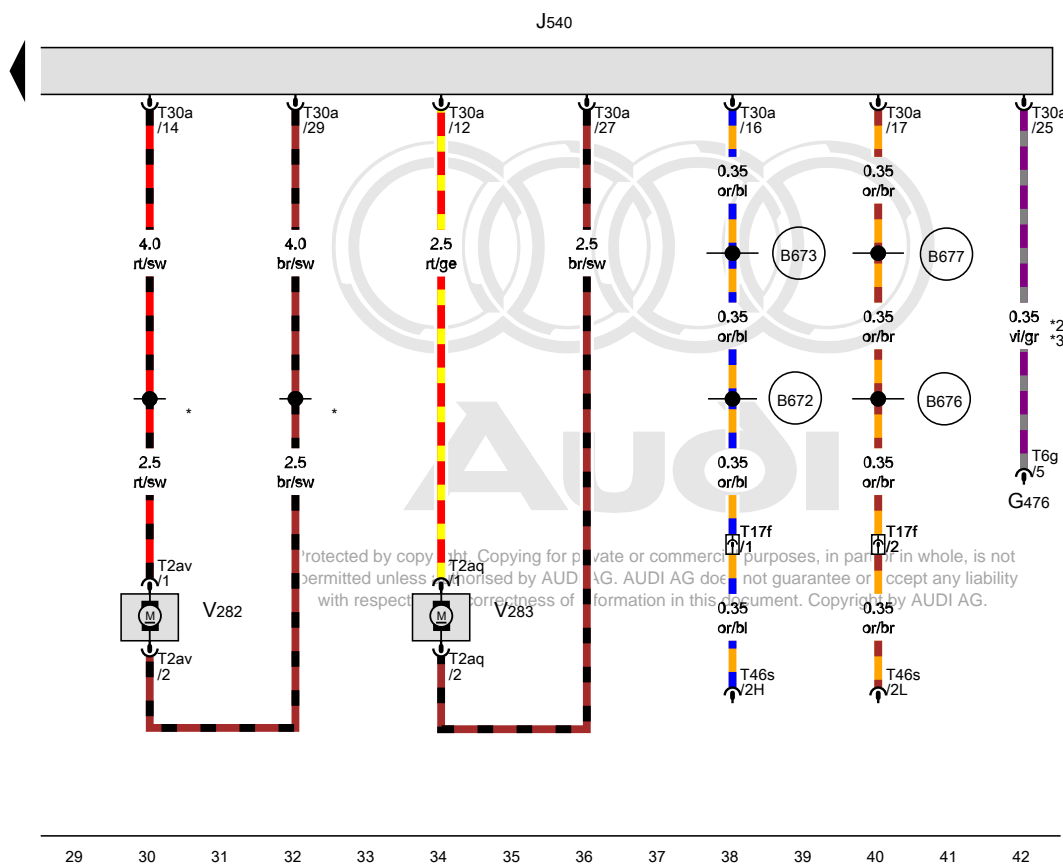
\* Refer to applicable wiring diagram for fuse positions

Electromechanical parking brake control module, Left parking brake motor, Right parking brake motor, Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness), Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- T2aq Double connector
- T2av Double connector
- T6g 6-pin connector
- T17f 17-pin connector, brown
- T30a 30-pin connector
- T46s 46-pin connector
- V282 Left parking brake motor
- V283 Right parking brake motor

- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- \* Depending on equipment
- \*2 Only for vehicles with a manual transmission
- \*3 Refer to applicable engine wiring diagram



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

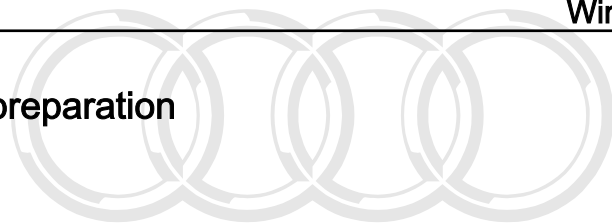
183B-1160411171





### Multimedia system preparation

from May 2012



# Audi

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### Double connector

- ST5 Fuse panel 5
- SF8 Fuse 8 (on fuse panel F)
- T2da Double connector, blue
- T2db Double connector, blue
- T2dy Double connector, in the driver seat backrest
- T2dz Double connector, in the front passenger seat backrest

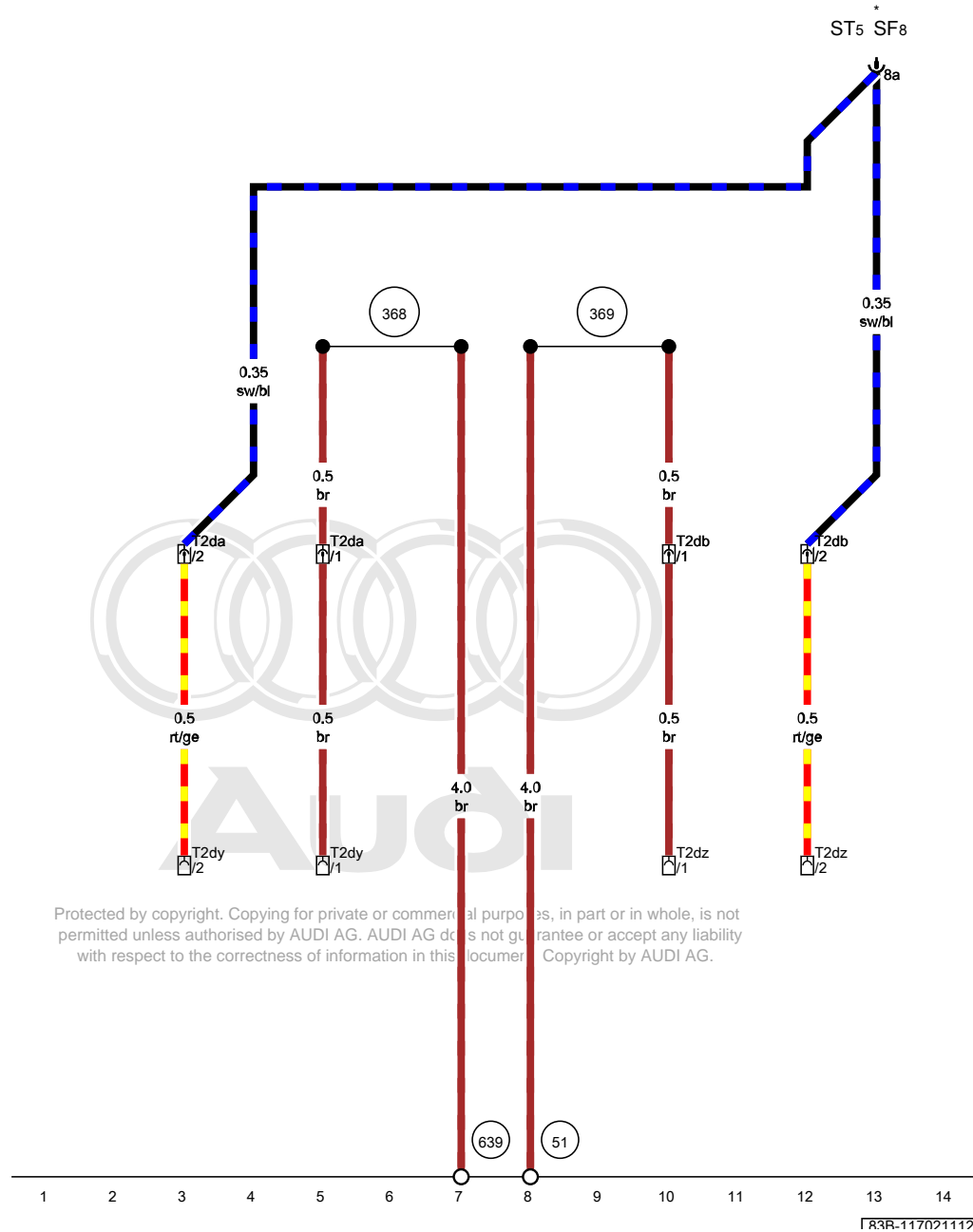
51 Ground connection in luggage compartment, right

368 Ground connection 3 (in main wiring harness)

369 Ground connection 4 (in main wiring harness)

639 Ground connection on left A-pillar

\* Refer to applicable wiring diagram for fuse positions



**Lane assist**  
from May 2012



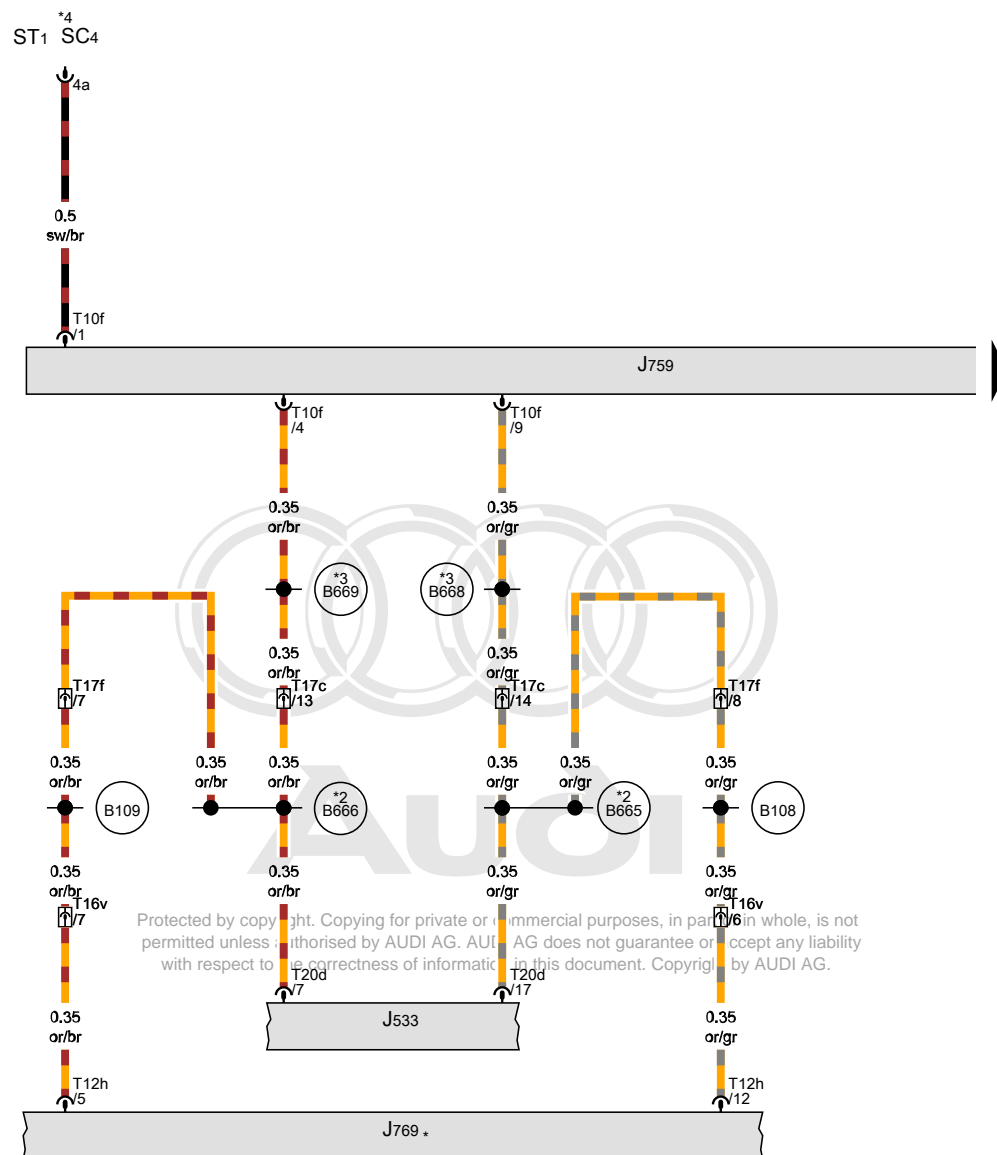
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Data bus on board diagnostic interface, Directional stabilization assistance control module

- J533 Data bus on board diagnostic interface
- J759 Directional stabilization assistance control module
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- SC4 Fuse 4 (on fuse panel C)
- T10f 10-pin connector
- T12h 12-pin connector
- T16v 16-pin connector, brown
- T17c 17-pin connector, black
- T17f 17-pin connector, brown
- T20d 20-pin connector

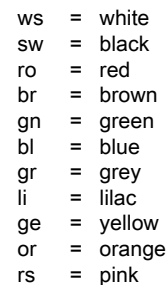
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- B668 CAN bus extended high connection 2 (in main wiring harness)
- B669 CAN bus extended low connection 2 (in main wiring harness)

- \* Refer to applicable lane assist wiring diagram
- \*2 Only for vehicles with lane assist
- \*3 Depending on equipment
- \*4 Refer to applicable wiring diagram for fuse positions



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

183B-118021112



**Lane change assistance**  
from May 2012

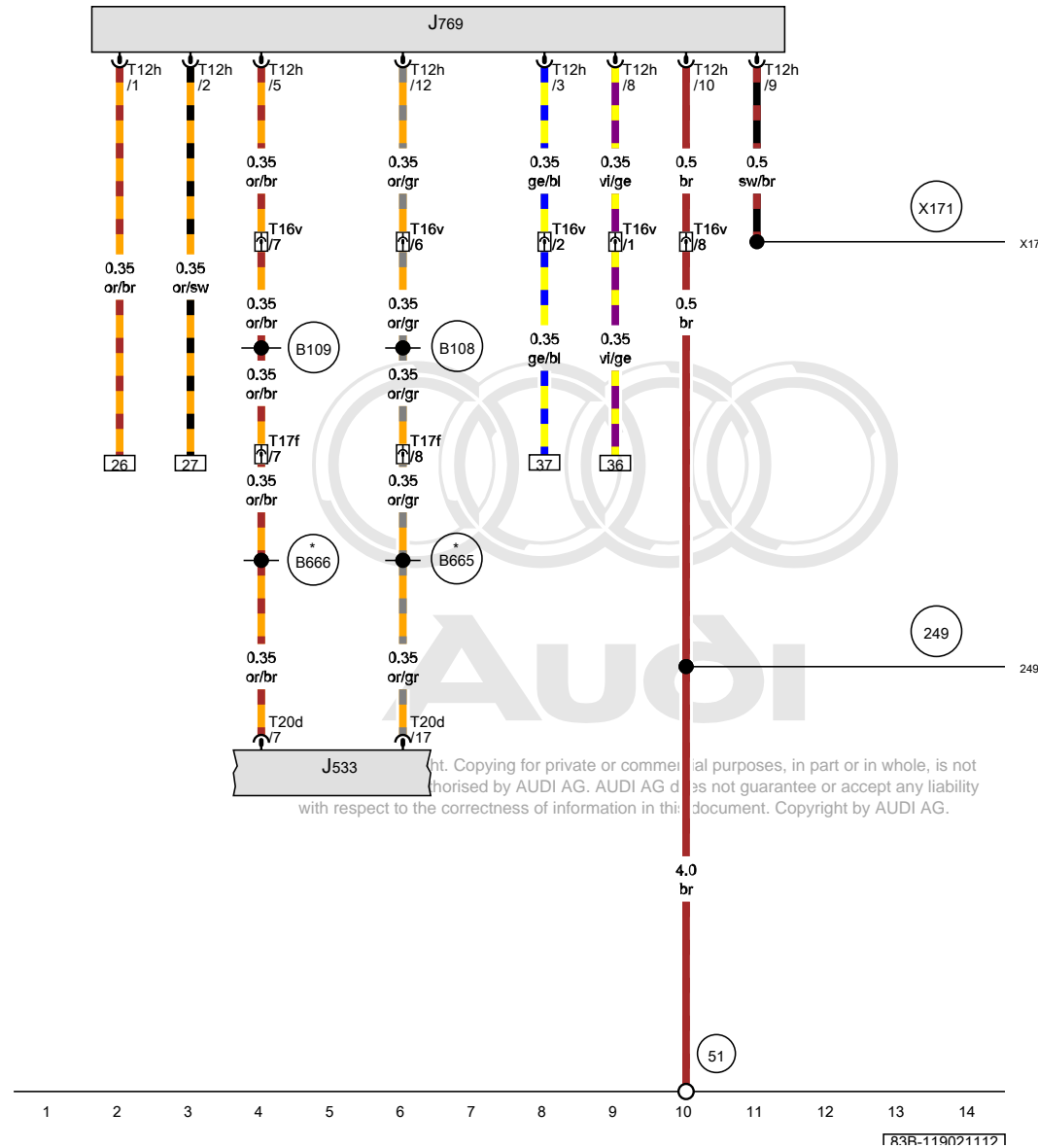


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### Lane change assistance control module

- J533 Data bus on board diagnostic interface
- J769 Lane change assistance control module
- T12h 12-pin connector
- T16v 16-pin connector, brown
- T17f 17-pin connector, brown
- T20d 20-pin connector

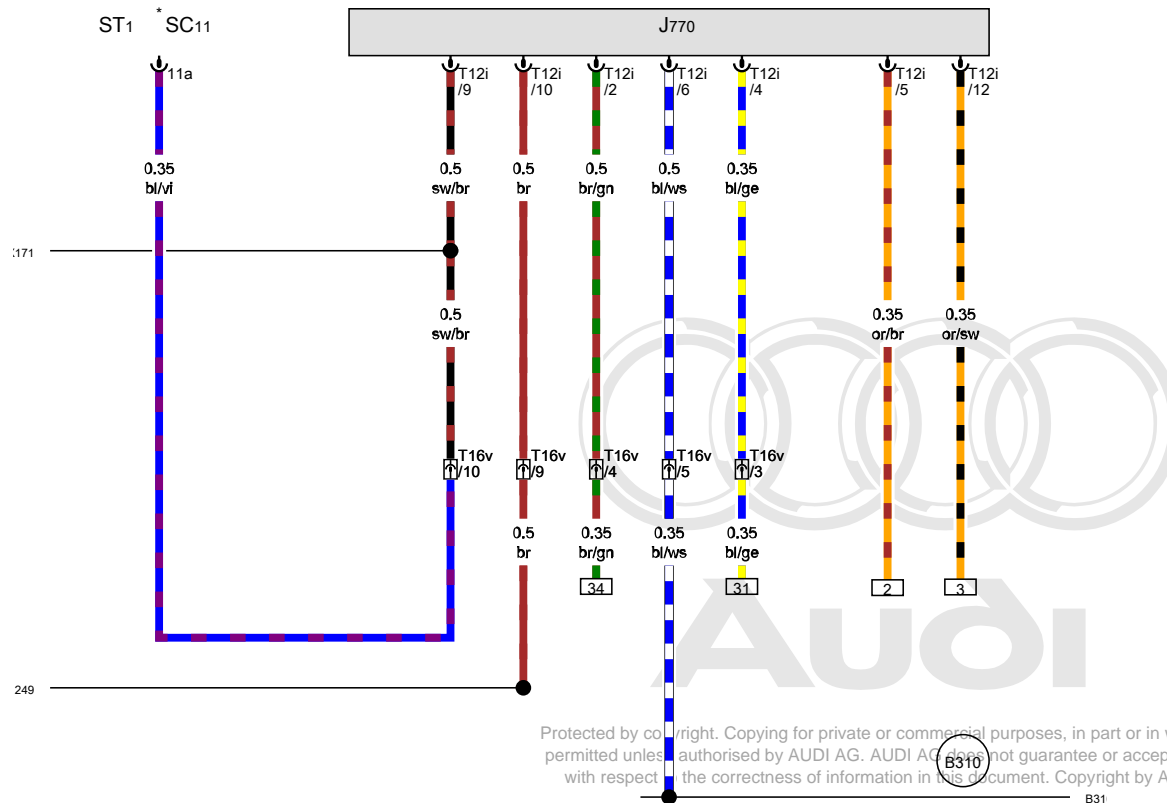
- 51 Ground connection in luggage compartment, right
- 249 Ground connection 2 (in interior wiring harness)
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- X171 Connection 15 (in rear bumper wiring harness)
- \* Only for vehicles with lane assist



## Lane change assistance control module 2

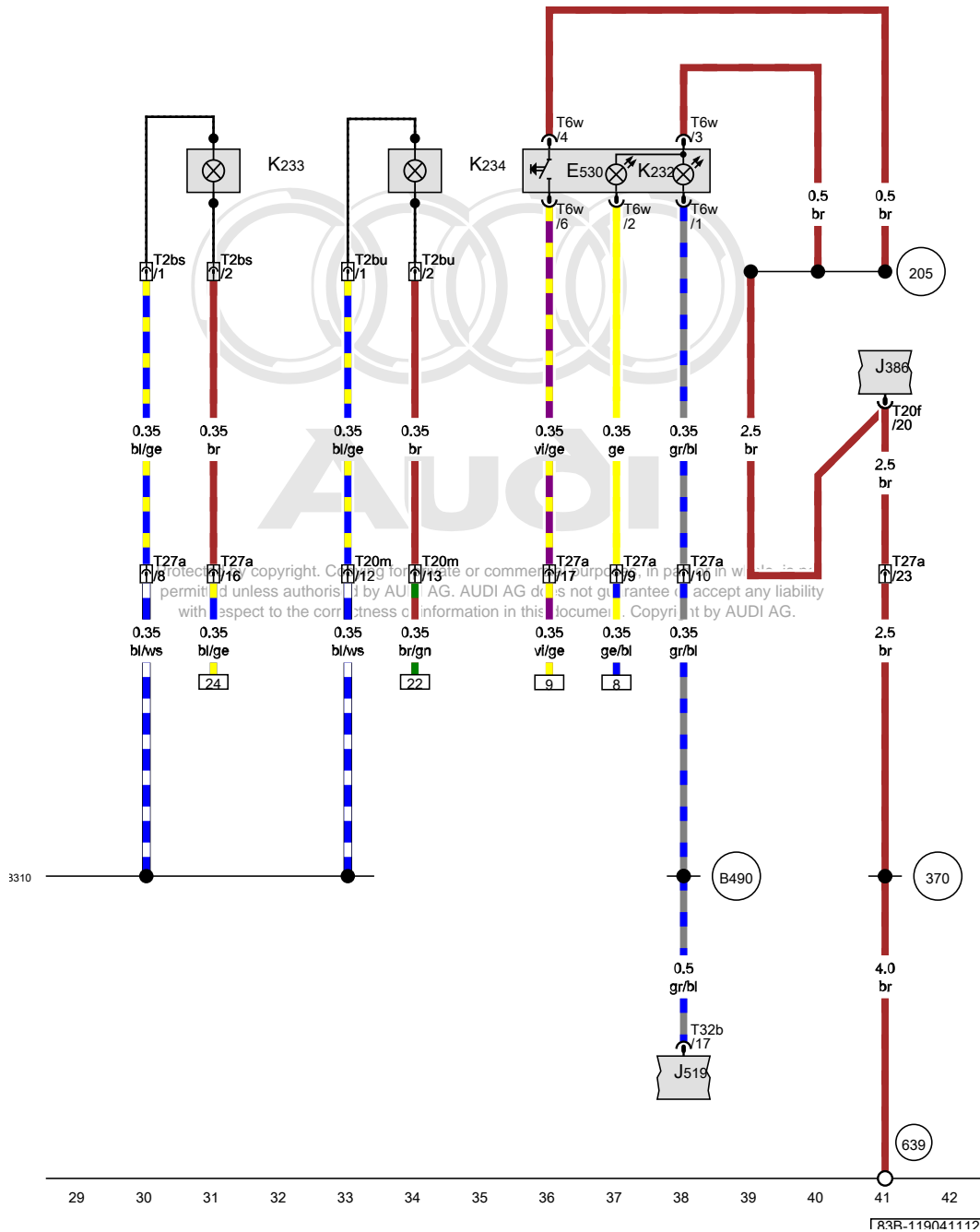
- J770 Lane change assistance control module 2
- ST1 Fuse panel 1
- SC11 Fuse 11 (on fuse panel C)
- T12i 12-pin connector
- T16v 16-pin connector, brown

- 249 Ground connection 2 (in interior wiring harness)
- B310 Positive connection 14 (30) (in main wiring harness)
- X171 Connection 15 (in rear bumper wiring harness)
- \* Refer to applicable wiring diagram for fuse positions



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





Lane change assistance button, Lane change assistance warning lamp in driver exterior rearview mirror, Lane change assistance warning lamp in front passenger exterior rearview mirror

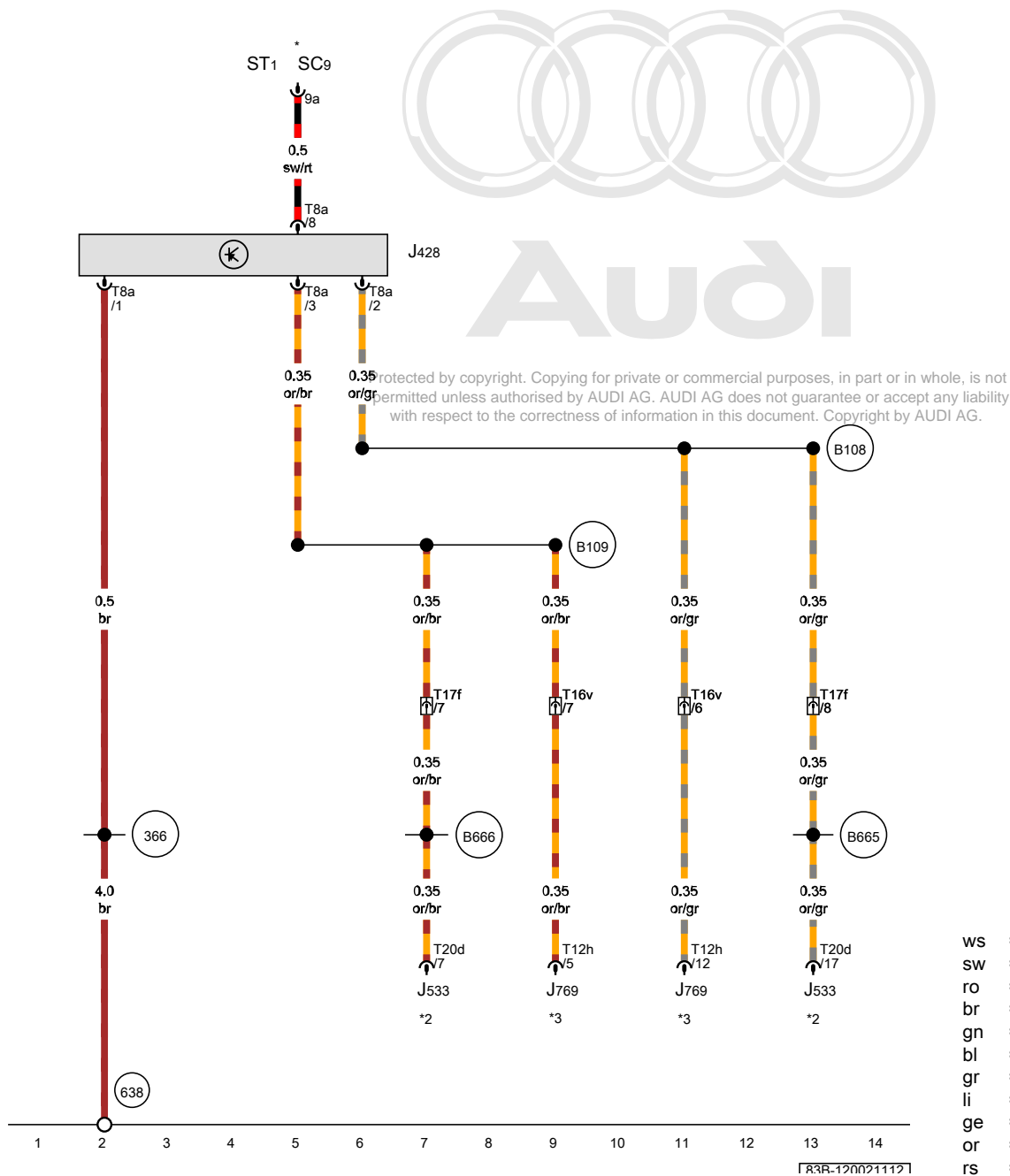
- E530 Lane change assistance button
- J386 Driver door control module
- J519 Vehicle electrical system control module
- K232 Lane change assistance indicator lamp
- K233 Lane change assistance warning lamp in driver exterior rearview mirror
- K234 Lane change assistance warning lamp in front passenger exterior rearview mirror
- T2bs Double connector
- T2bu Double connector
- T6w 6-pin connector
- T20f 20-pin connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T32b 32-pin connector

- 205 Ground connection (in driver door wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B310 Positive connection 14 (30) (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

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

**Adaptive cruise control**  
from May 2012

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### Distance regulation control module

- J428 Distance regulation control module
- J533 Data bus on board diagnostic interface
- J769 Lane change assistance control module
- ST1 Fuse panel 1
- SC9 Fuse 9 (on fuse panel C)
- T8a 8-pin connector
- T12h 12-pin connector
- T16v 16-pin connector, brown
- T17f 17-pin connector, brown
- T20d 20-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B108 CAN bus extended high connection 1 (in main wiring harness)
- B109 CAN bus extended low connection 1 (in main wiring harness)
- B665 CAN bus extended high connection 1 (in instrument panel wiring harness)
- B666 CAN bus extended low connection 1 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to applicable wiring diagram
- \*3 Refer to applicable lane assist wiring diagram

**Tire pressure monitoring**  
from May 2012

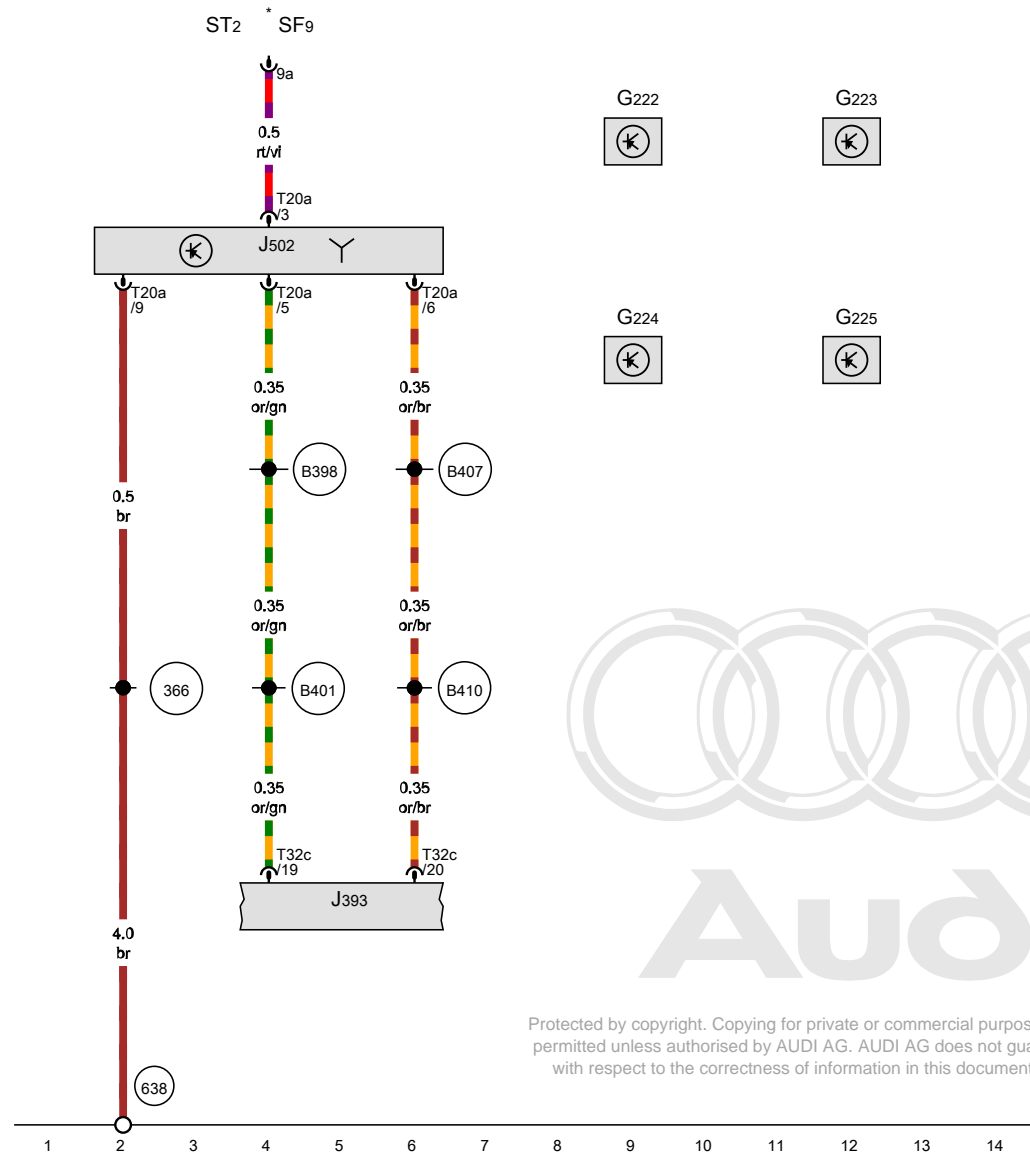
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### Tire pressure monitoring control module

- 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
- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- ST2 Fuse panel 2
- SF9 Fuse 9 (on fuse panel F)
- T20a 20-pin connector
- T32c 32-pin connector

- 366 Ground connection 1 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions

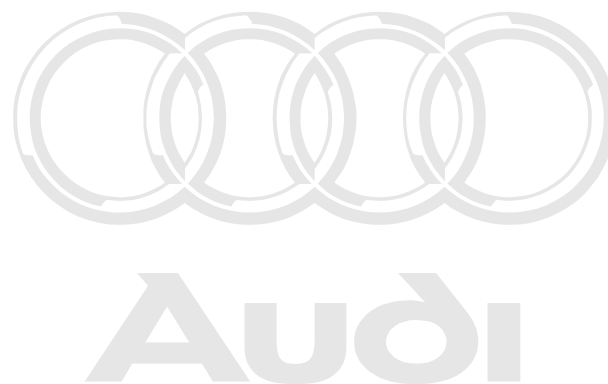


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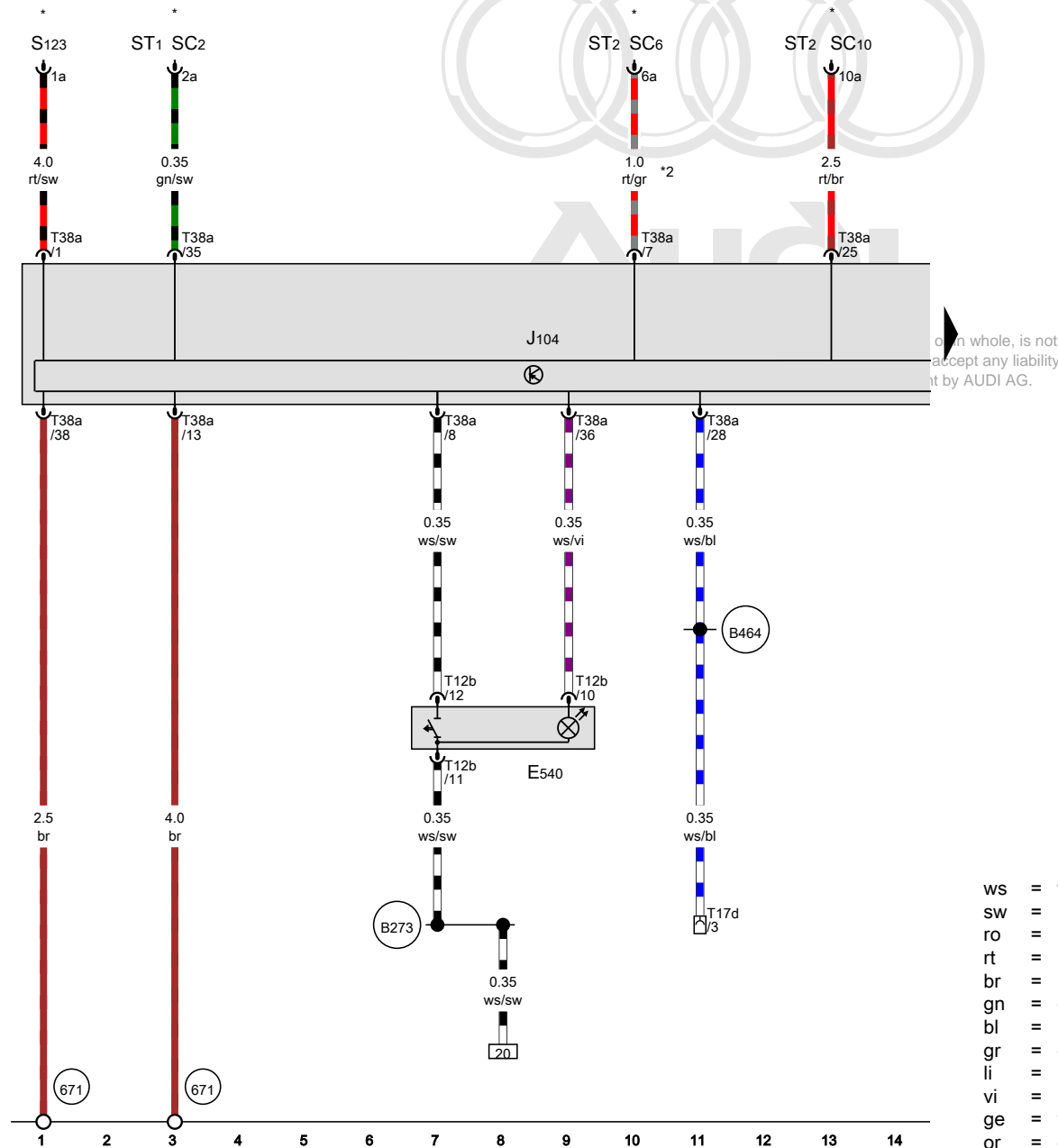
183B-1210211121

## Anti-Lock Brake System (ABS) with ESP

from May 2012



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# -AUTO HOLD- button, ABS control module, ABS control module fuse 1

- E540 -AUTO HOLD- button
- J104 ABS control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- SC6 Fuse 6 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- S123 ABS control module fuse 1
- T12b 12-pin connector
- T17d 17-pin connector, brown
- T38a 38-pin connector

671 Ground connection 1 on left front longitudinal member

B273 Positive connection (15) (in main wiring harness)

B464 Vehicle speed signal connection (in main wiring harness)

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Diameter depends on equipment

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

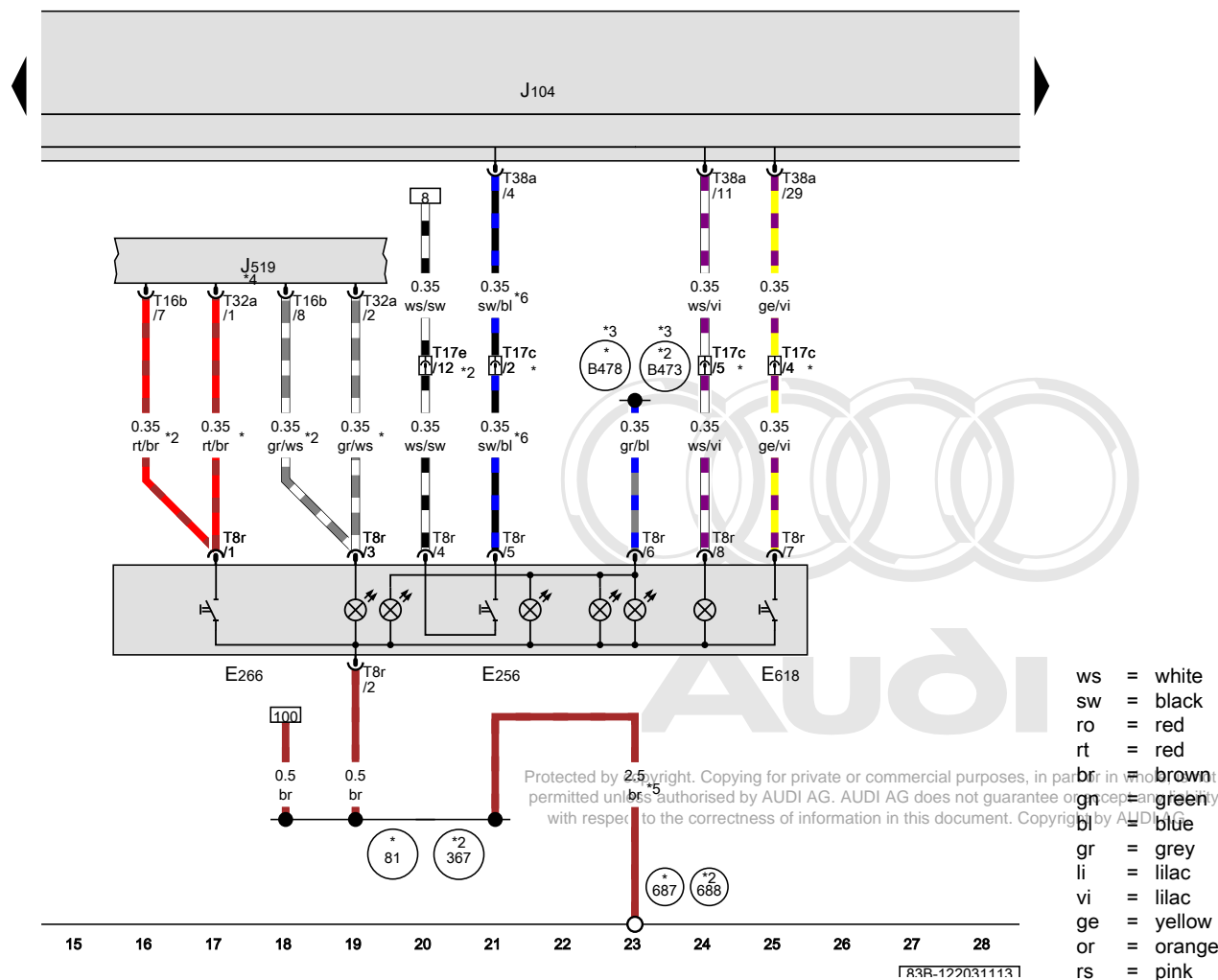
183R-1220211131

ASR/ESP button, Parking aid button, Hill descent control button, ABS control module

- E256 ASR/ESP button
- E266 Parking aid button
- E618 Hill descent control button
- J104 ABS control module
- J519 Vehicle electrical system control module
- T8r 8-pin connector
- T16b 16-pin connector
- T17c 17-pin connector, black
- T17e 17-pin connector, black
- T32a 32-pin connector
- T38a 38-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B478 Connection 14 (in main wiring harness)

- \* Only for vehicles with navigation system
- \*2 Only for vehicles without a navigation system
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 Refer to applicable wiring diagram
- \*5 4.0 diameter possible
- \*6 The color of the wires depends on vehicle equipment



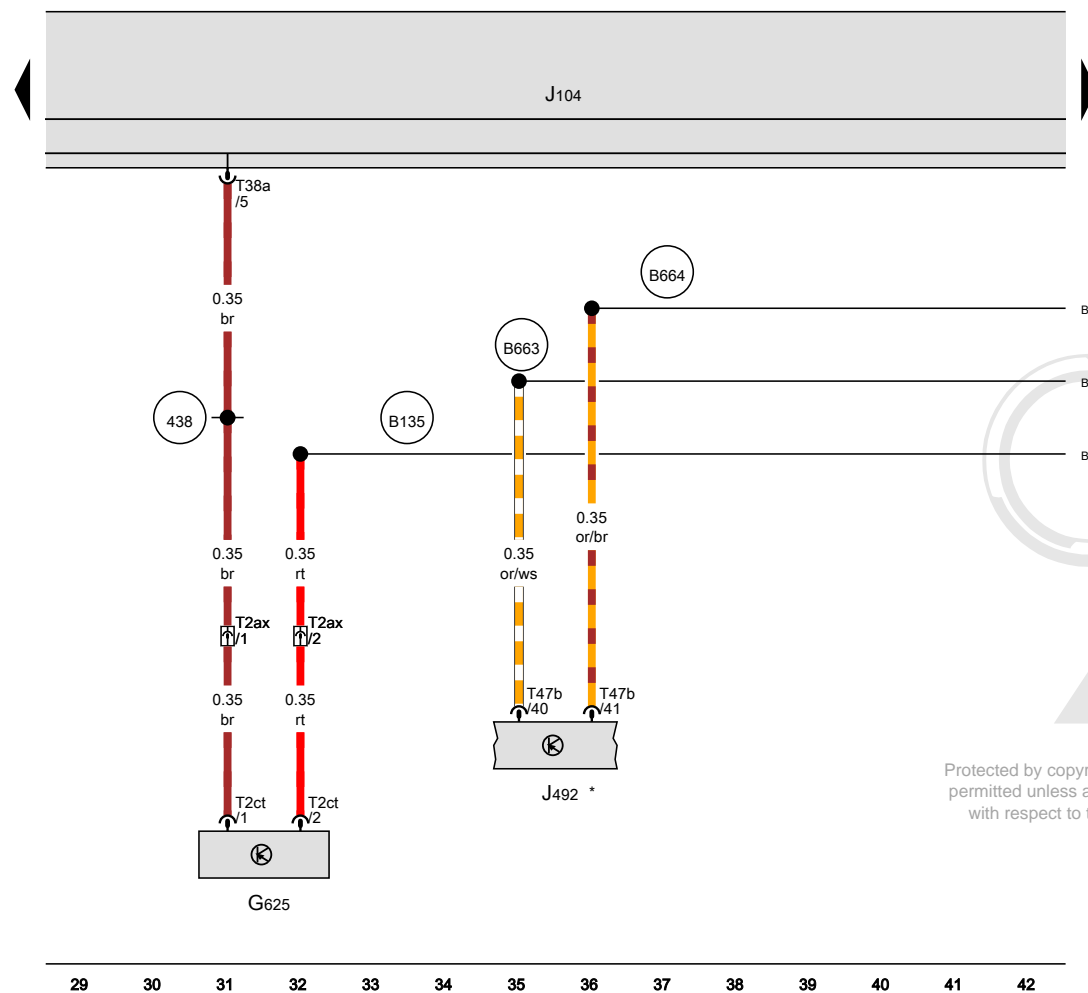
- ws = white
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



ABS control module, All wheel drive control module

- G625 Roof rack recognition sensor
- J104 ABS control module
- J492 All wheel drive control module
- T2ax Double connector, near the left roof pillar
- T2ct Double connector
- T38a 38-pin connector
- T47b 47-pin connector

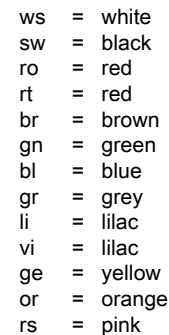
- 438 Ground connection 3 (in roof wiring harness)
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)
- \* Only for vehicles with all wheel drive



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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183B-122041113



368	Ground connection 3 (in main wiring harness)
370	Ground connection 5 (in main wiring harness)
639	Ground connection on left A-pillar
B135	Positive connection 1 (15a) (in interior wiring harness)
B663	Suspension sensor CAN bus high connection (in main wiring harness)
B664	Suspension sensor CAN bus low connection (in main wiring harness)
*	Special equipment
*2	Only for vehicles with all wheel drive

Right rear ABS wheel speed sensor, Right front ABS wheel speed sensor, Left rear ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module, Right front ABS inlet valve, Right front ABS outlet valve, Left front ABS inlet valve, Left front ABS outlet valve

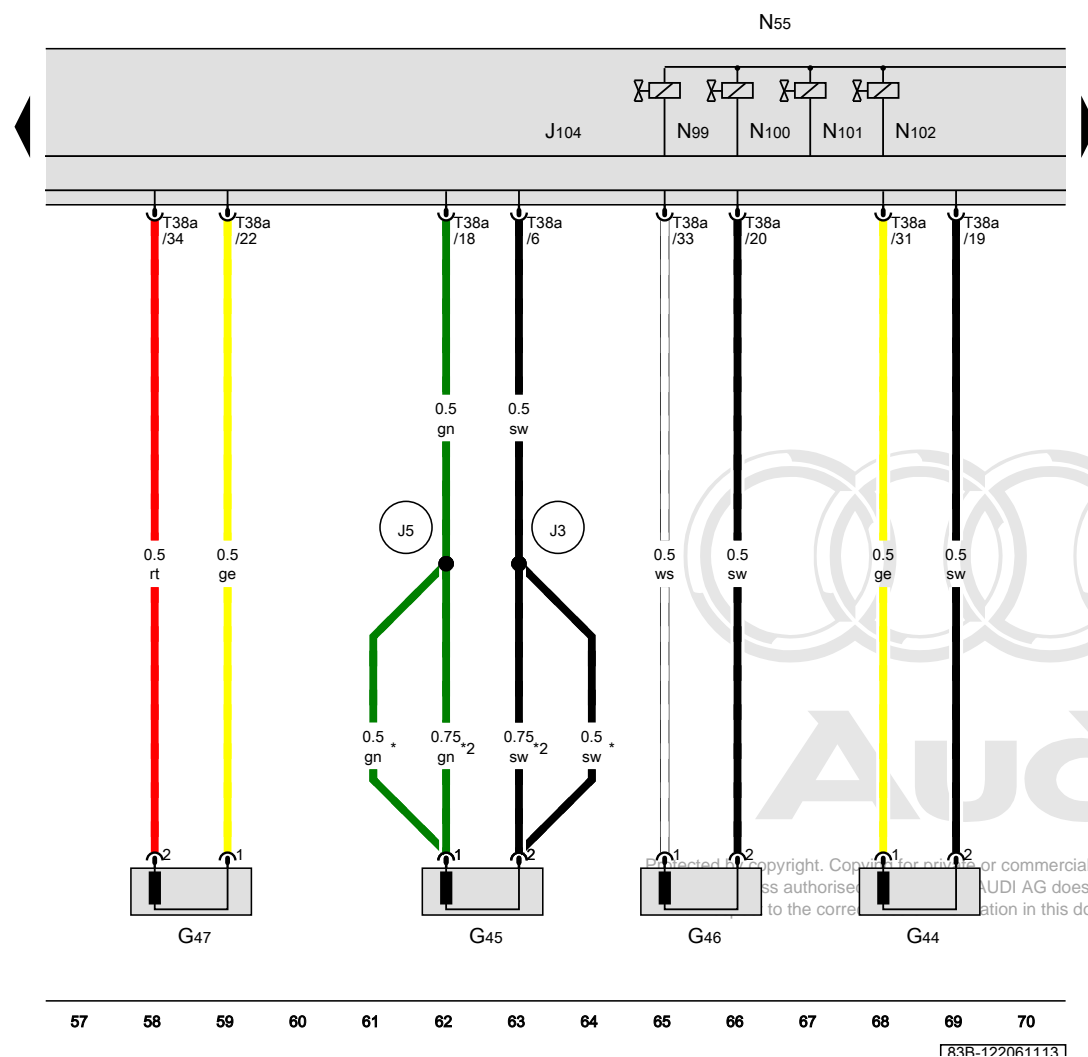
- G44 Right rear ABS wheel speed sensor
- G45 Right front ABS wheel speed sensor
- G46 Left rear ABS wheel speed sensor
- G47 Left front ABS wheel speed sensor
- J104 ABS control module
- N55 ABS hydraulic unit
- N99 Right front ABS inlet valve
- N100 Right front ABS outlet valve
- N101 Left front ABS inlet valve
- N102 Left front ABS outlet valve
- T38a 38-pin connector

J3 Connection 1 (in ABS wiring harness)

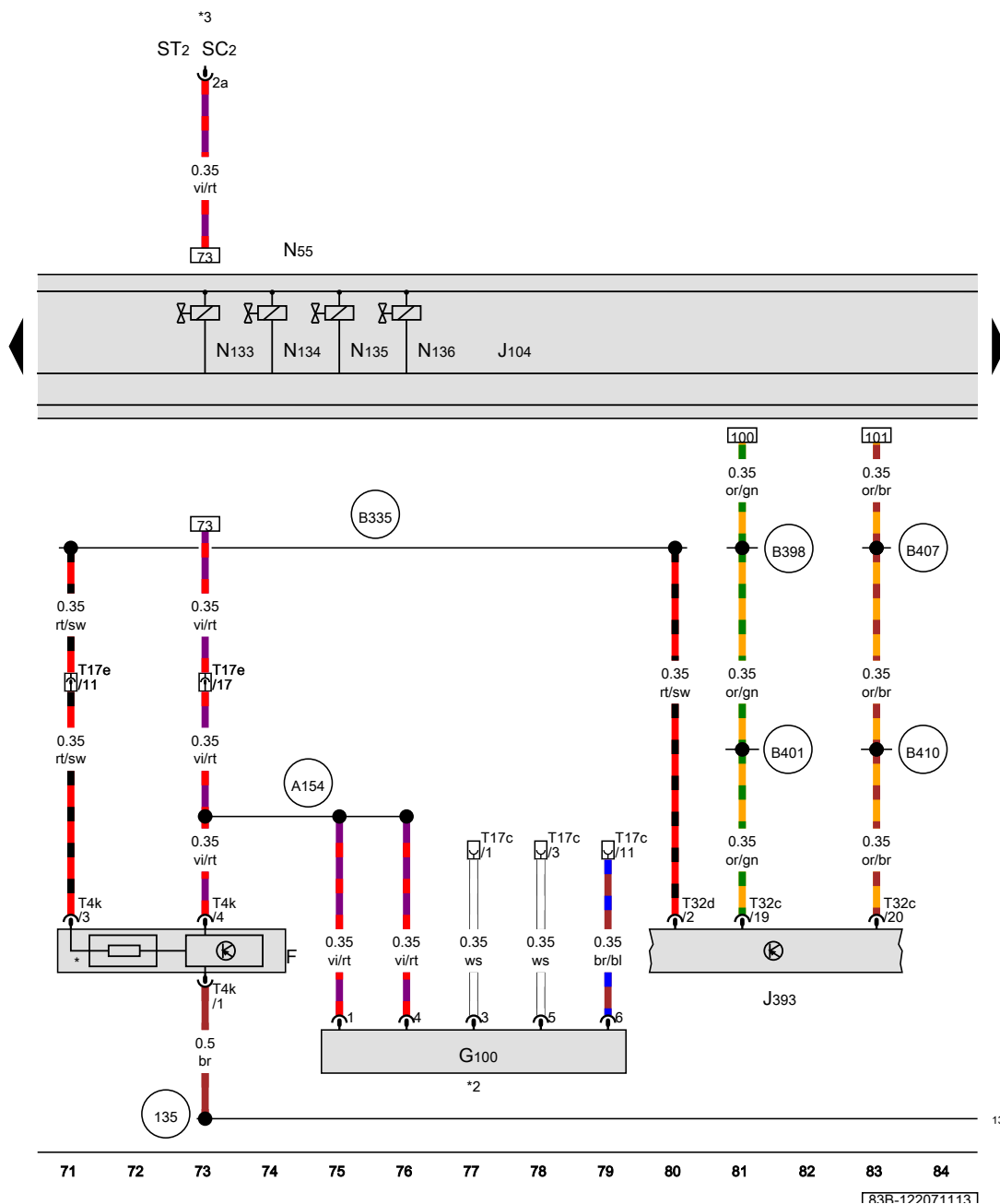
J5 Connection 2 (in ABS wiring harness)

\* Only for vehicles with electronic damping

\*2 Only for vehicles without electronic damping



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



Brake lamp switch, ABS control module, Comfort system central control module, ABS hydraulic unit, Right rear ABS inlet valve, Left rear ABS inlet valve, Right rear ABS outlet valve, Left rear ABS outlet valve

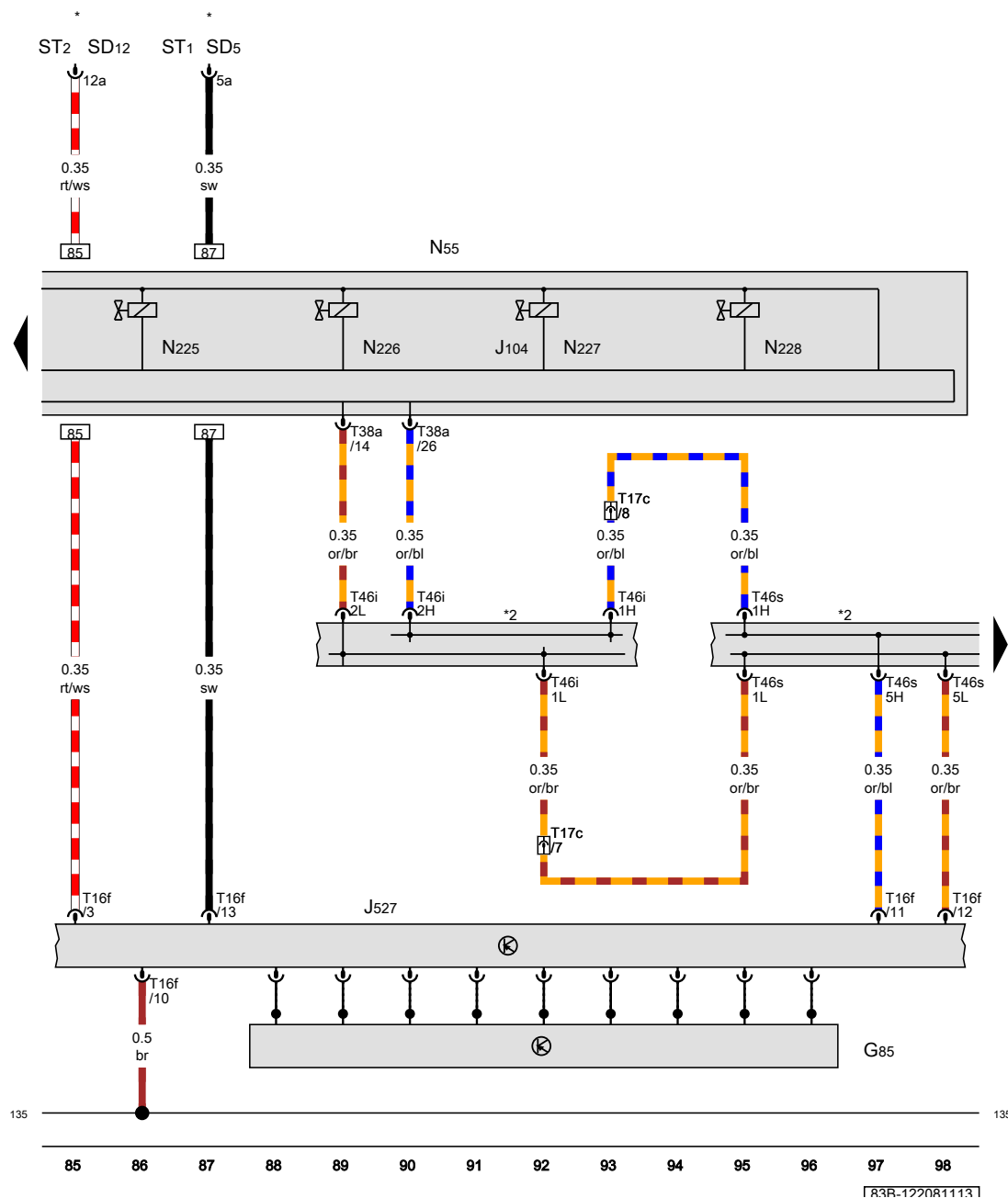
- F Brake lamp switch
- G100 Brake pedal position sensor
- J104 ABS control module
- J393 Comfort system central control module
- N55 ABS hydraulic unit
- N133 Right rear ABS inlet valve
- N134 Left rear ABS inlet valve
- N135 Right rear ABS outlet valve
- N136 Left rear ABS outlet valve
- SC2 Fuse 2 (on fuse panel C)
- ST2 Fuse panel 2
- T4k 4-pin connector
- T17c 17-pin connector
- T17e 17-pin connector, red
- T32c 32-pin connector
- T32d 32-pin connector

- 135 Ground connection 2 (in instrument panel wiring harness)
- A154 Brake pedal switch connection (in instrument panel wiring harness)
- B335 Connection 54 (in main wiring harness) 1
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)

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- sw = black
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- bl = blue
- gr = grey
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- \* Brake lamp sensor system coil
- \*2 Refer to applicable high voltage system wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions

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Steering angle sensor, ABS control module, Steering column electronics control module, ABS hydraulic unit, Driving dynamics regulation switch valve 1, Driving dynamics regulation switch valve 2, Driving dynamics regulation high pressure switch valve 1, Driving dynamics regulation high pressure switch valve 2

- G85 Steering angle sensor
- J104 ABS control module
- J527 Steering column electronics control module
- N55 ABS hydraulic unit
- 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
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SD5 Fuse 5 (on fuse panel D)
- SD12 Fuse 12 (on fuse panel D)
- T16f 16-pin connector
- T17c 17-pin connector, black
- T38a 38-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- 135 Ground connection 2 (in instrument panel wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug

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Instrument cluster control module, Data bus on board diagnostic interface, ABS indicator lamp, ASR/ESP indicator lamp

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K47 ABS indicator lamp
- K155 ASR/ESP indicator lamp
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T17f 17-pin connector, brown
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

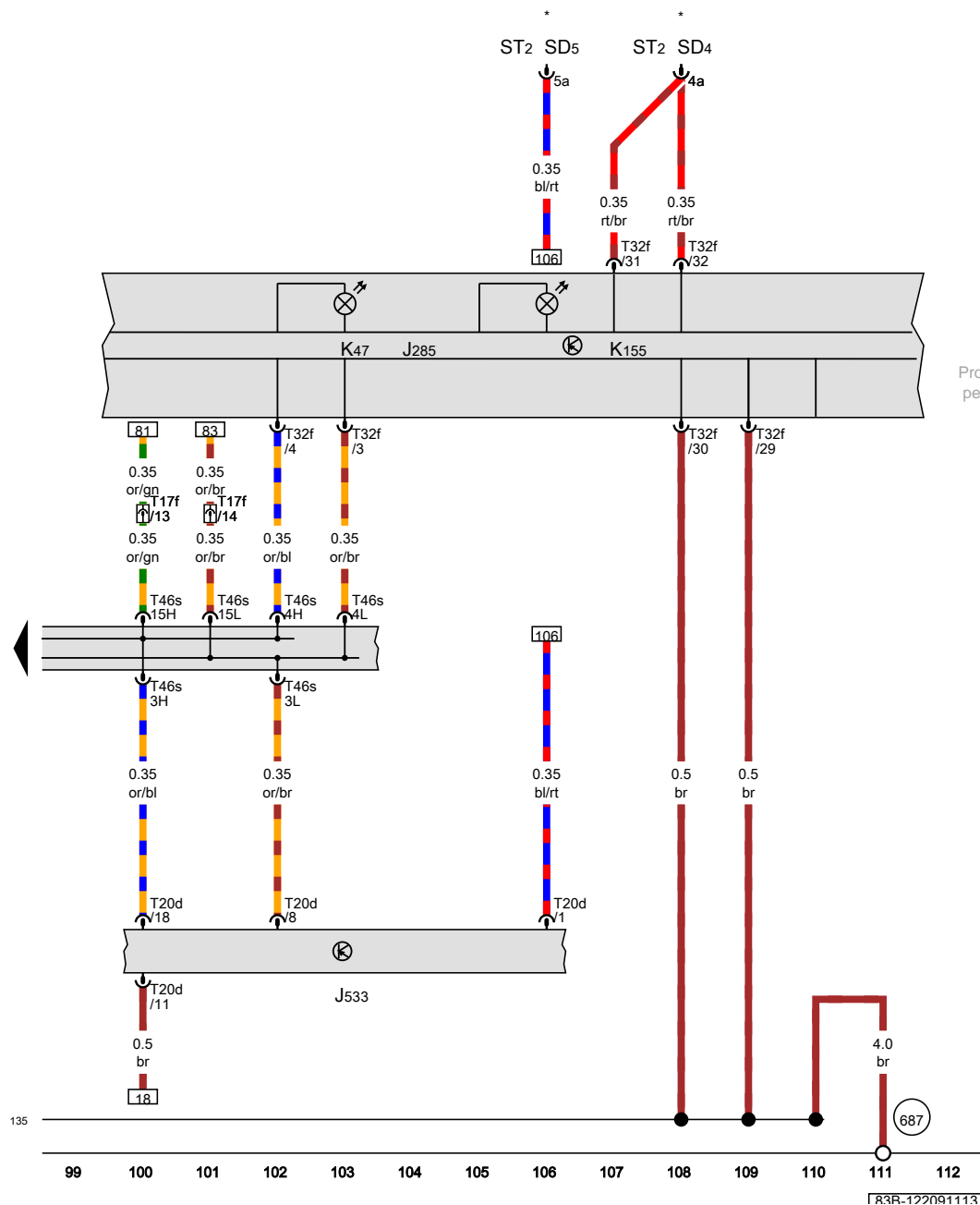
135 Ground connection 2 (in instrument panel wiring harness)

687 Ground connection 1 on center tunnel

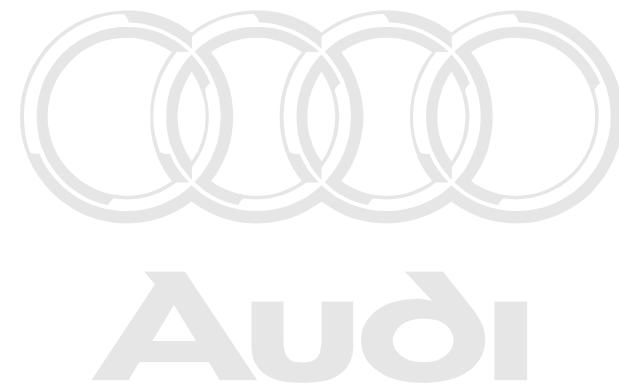
\* Refer to applicable wiring diagram for fuse positions

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- rs = pink



**Airbag systems**  
from May 2012



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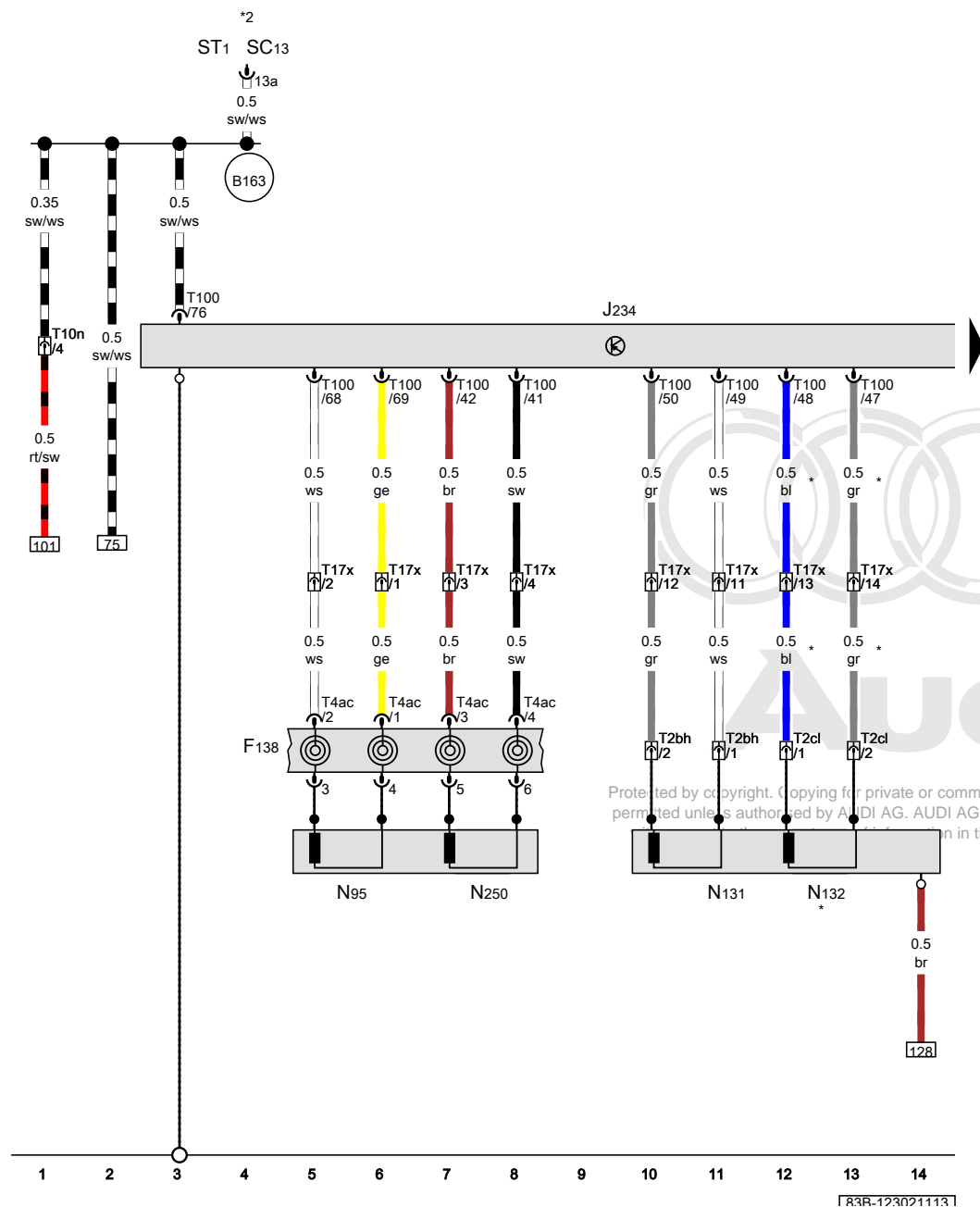
Airbag spiral spring/return spring with slip ring, Airbag control module, Driver airbag igniter, Front passenger airbag igniter 1, Front passenger airbag igniter 2, Driver airbag igniter 2

- 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
- ST1 Fuse panel 1
- SC13 Fuse 13 (on fuse panel C)
- T2bh Double connector, green
- T2cl Double connector, black
- T4ac 4-pin connector
- T10n 10-pin connector, black
- T17x 17-pin connector, yellow
- T100 100-pin connector

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

\* Only for vehicles with US equipment

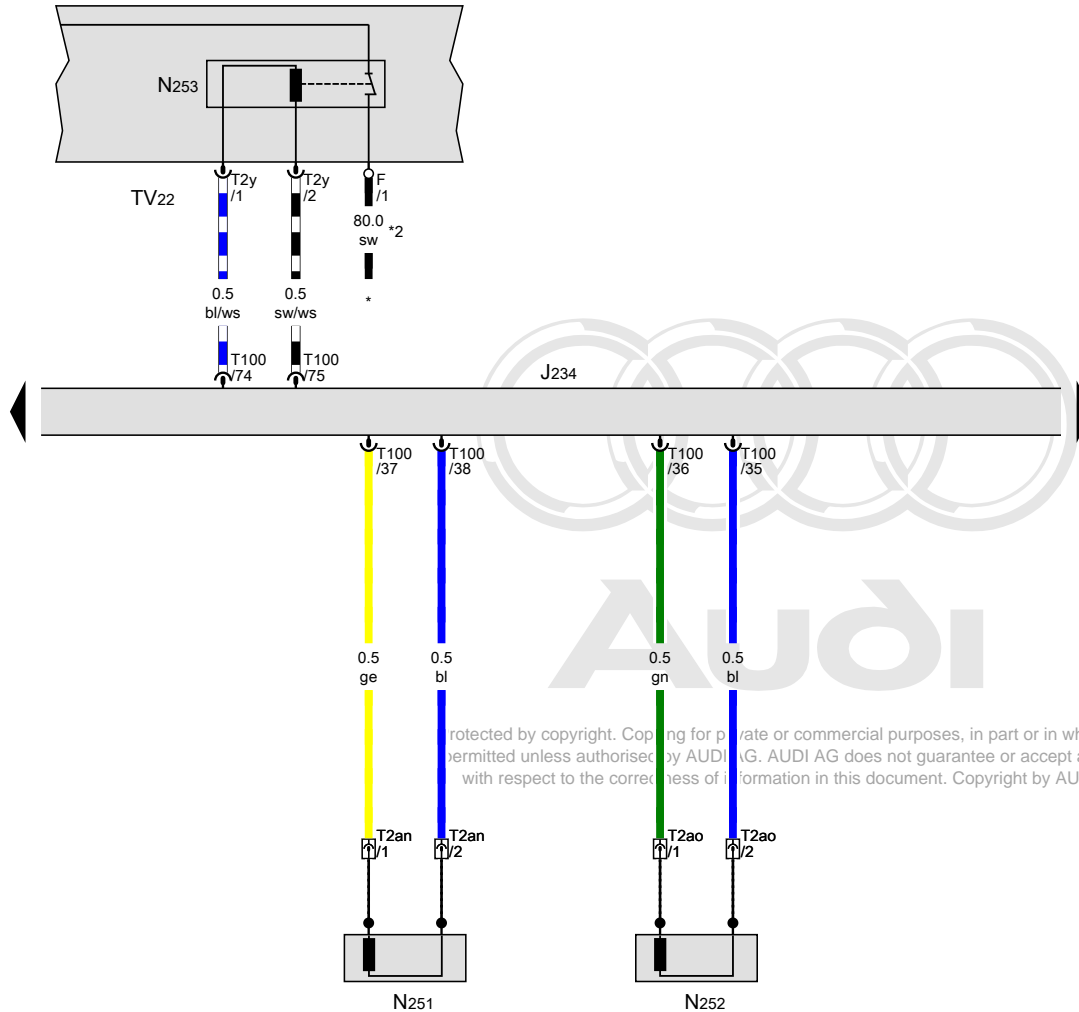
\*2 Refer to applicable wiring diagram for fuse positions



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

183R-1230211131





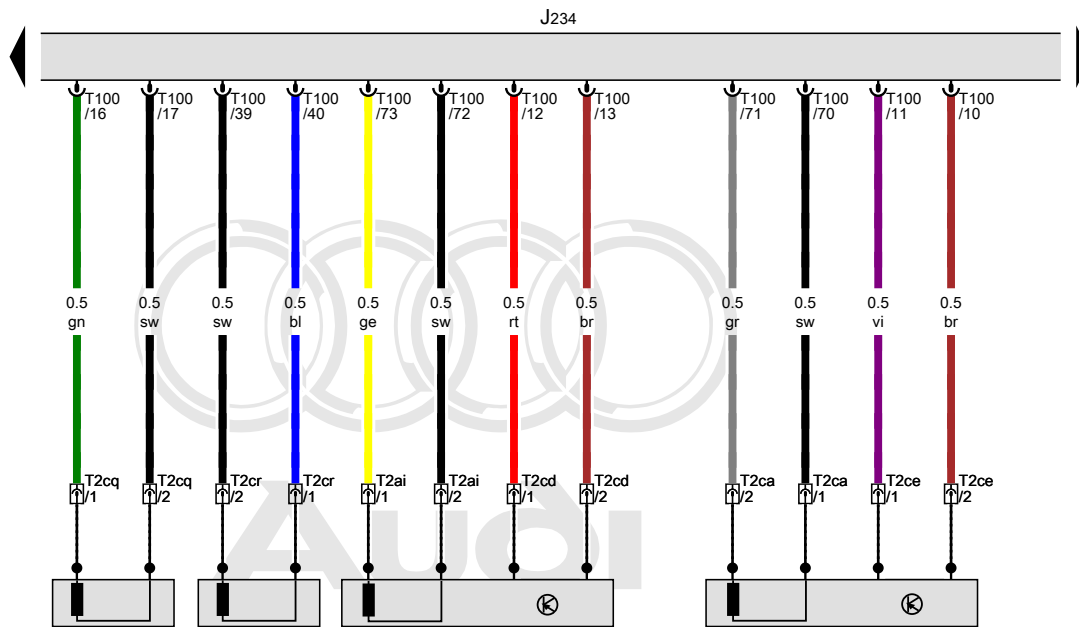
Airbag control module, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter, Battery interrupt igniter, Terminal 30 wire junction 2

- J234 Airbag control module
- N251 Driver head curtain airbag igniter
- N252 Front passenger head curtain airbag igniter
- N253 Battery interrupt igniter
- T2an Double connector, blue
- T2ao Double connector, blue
- T2y Double connector
- TV22 Terminal 30 wire junction 2
- T100 100-pin connector
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Diameter depends on equipment

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

Driver belt force limiter, Front passenger belt force limiter, Airbag control module, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter

- G551 Driver belt force limiter
- G552 Front passenger belt force limiter
- 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 Passenger side rear seat belt tensioner igniter
- T2ai Double connector, black
- T2ca Double connector, black
- T2cd Double connector, yellow
- T2ce Double connector, yellow
- T2cq Double connector, green
- T2cr Double connector, green
- T100 100-pin connector
- \* Only for vehicles with US equipment



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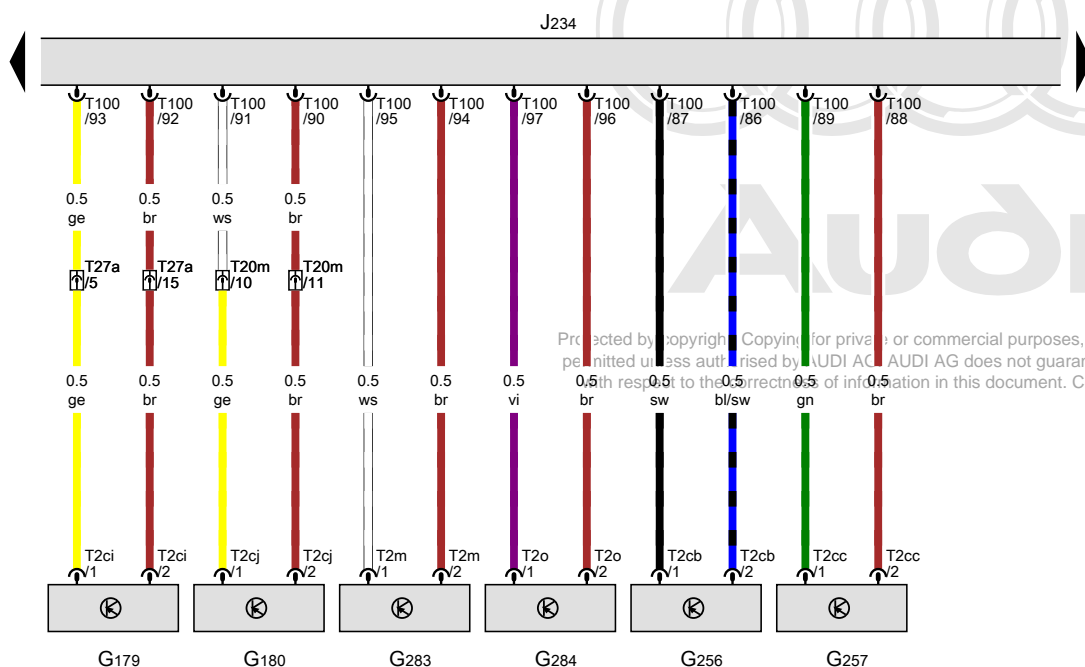
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

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

[83B-123041113]

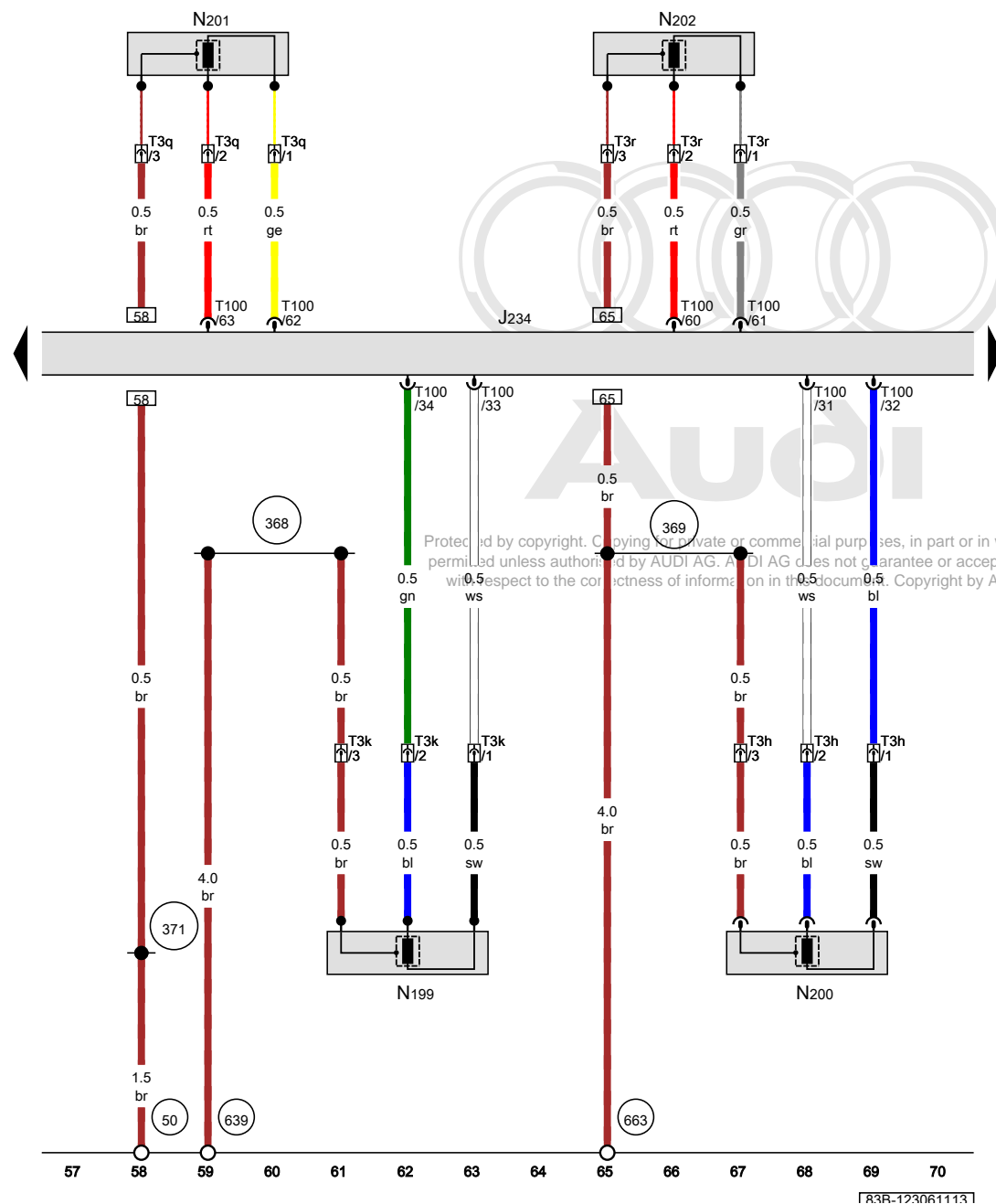
Driver side airbag crash sensor, Front passenger side airbag crash sensor, Driver side rear side airbag crash sensor, Passenger side rear side airbag crash sensor, Driver front airbag crash sensor, Passenger side front airbag crash sensor, Airbag control module

- G179 Driver side airbag crash sensor
- G180 Front passenger side airbag crash sensor
- G256 Driver side rear side airbag crash sensor
- G257 Passenger side rear side airbag crash sensor
- G283 Driver front airbag crash sensor
- G284 Passenger side front airbag crash sensor
- J234 Airbag control module
- T2cb Double connector
- T2cc Double connector
- T2ci Double connector
- T2cj Double connector
- T2m Double connector
- T2o Double connector
- T20m 20-pin connector, Right A-pillar, bottom
- T27a 27-pin connector, Left A-pillar, bottom
- T100 100-pin connector



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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



Airbag control module, Driver thorax airbag igniter, Front passenger thorax airbag igniter, Driver side rear thorax airbag igniter, Passenger side rear thorax airbag igniter

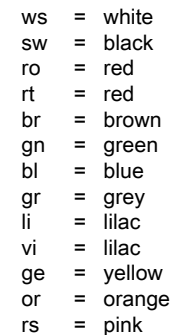
- J234 Airbag control module
- N199 Driver thorax airbag igniter
- N200 Front passenger thorax airbag igniter
- N201 Driver side rear thorax airbag igniter
- N202 Passenger side rear thorax airbag igniter
- T3h 3-pin connector, yellow
- T3k 3-pin connector, yellow
- T3q 3-pin connector, yellow
- T3r 3-pin connector, yellow
- T100 100-pin connector

- 50 Ground connection in luggage compartment, left
- 368 Ground connection 3 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 639 Ground connection on left A-pillar
- 663 Ground connection in right rear side panel

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- rt = red
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- gn = green
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E224	Front passenger airbag deactivation key switch
J234	Airbag control module
K145	Front passenger airbag -disabled- indicator lamp
T6ae	6-pin connector
T12k	12-pin connector, near the glove compartment
T17f	17-pin connector, brown
T17g	17-pin connector, black
T100	100-pin connector

\* Only on vehicles with front passenger airbag deactivation key switch



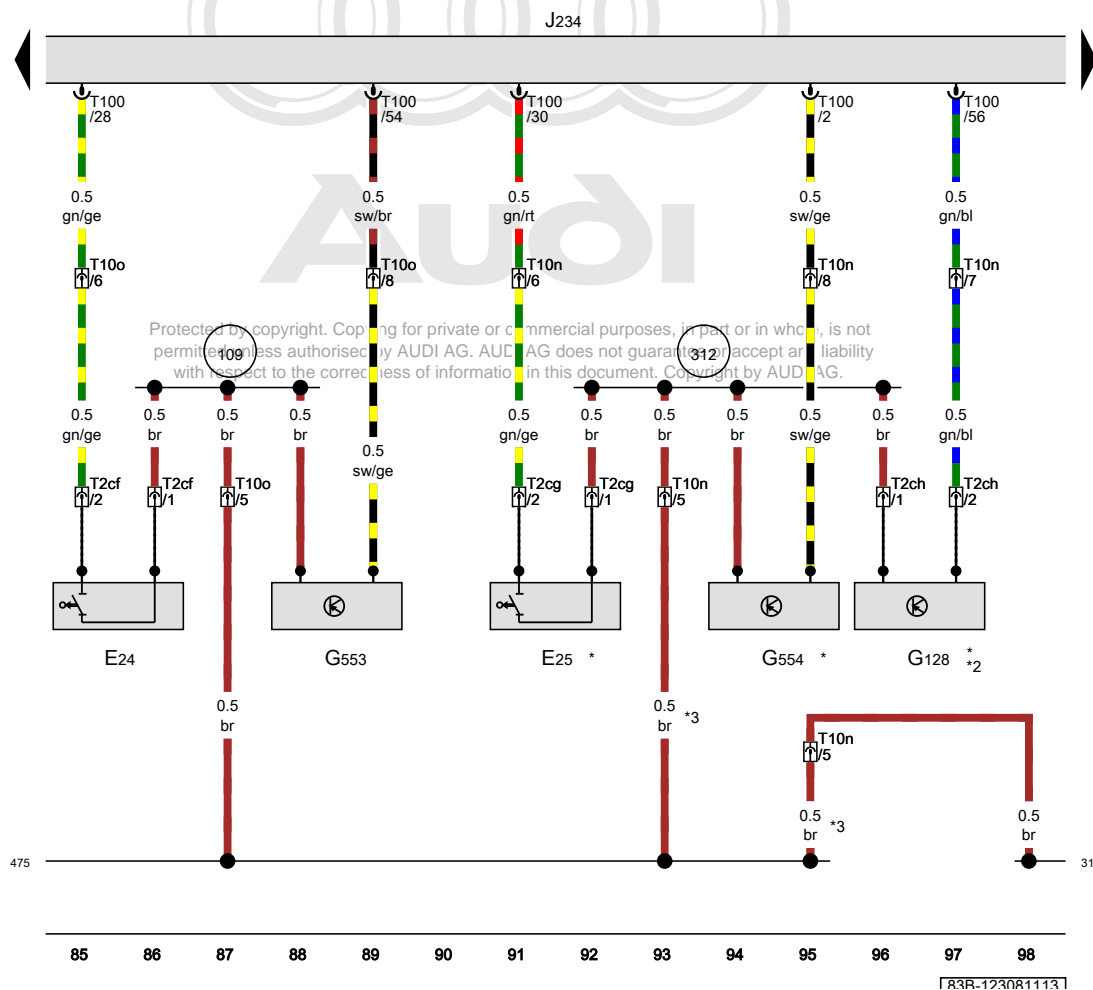
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Driver seat belt switch, Front passenger seat belt switch, Front passenger seat occupant sensor, Driver seat position sensor, Front passenger seat position sensor, Airbag control module

- E24 Driver seat belt switch
- E25 Front passenger seat belt switch
- G128 Front passenger seat occupant sensor
- G553 Driver seat position sensor
- G554 Front passenger seat position sensor
- J234 Airbag control module
- T2cf Double connector, black
- T2cg Double connector, black
- T2ch Double connector, blue
- T10n 10-pin connector, black
- T10o 10-pin connector, black
- T100 100-pin connector

- 109 Ground connection (in airbag wiring harness)
- 312 Ground connection 2 (in airbag wiring harness)
- 475 Airbag ground connection (in main wiring harness)

- \* Only for vehicles without US equipment
- \*2 Special equipment
- \*3 Diameter depends on equipment



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- gn = green
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- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
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- rs = pink

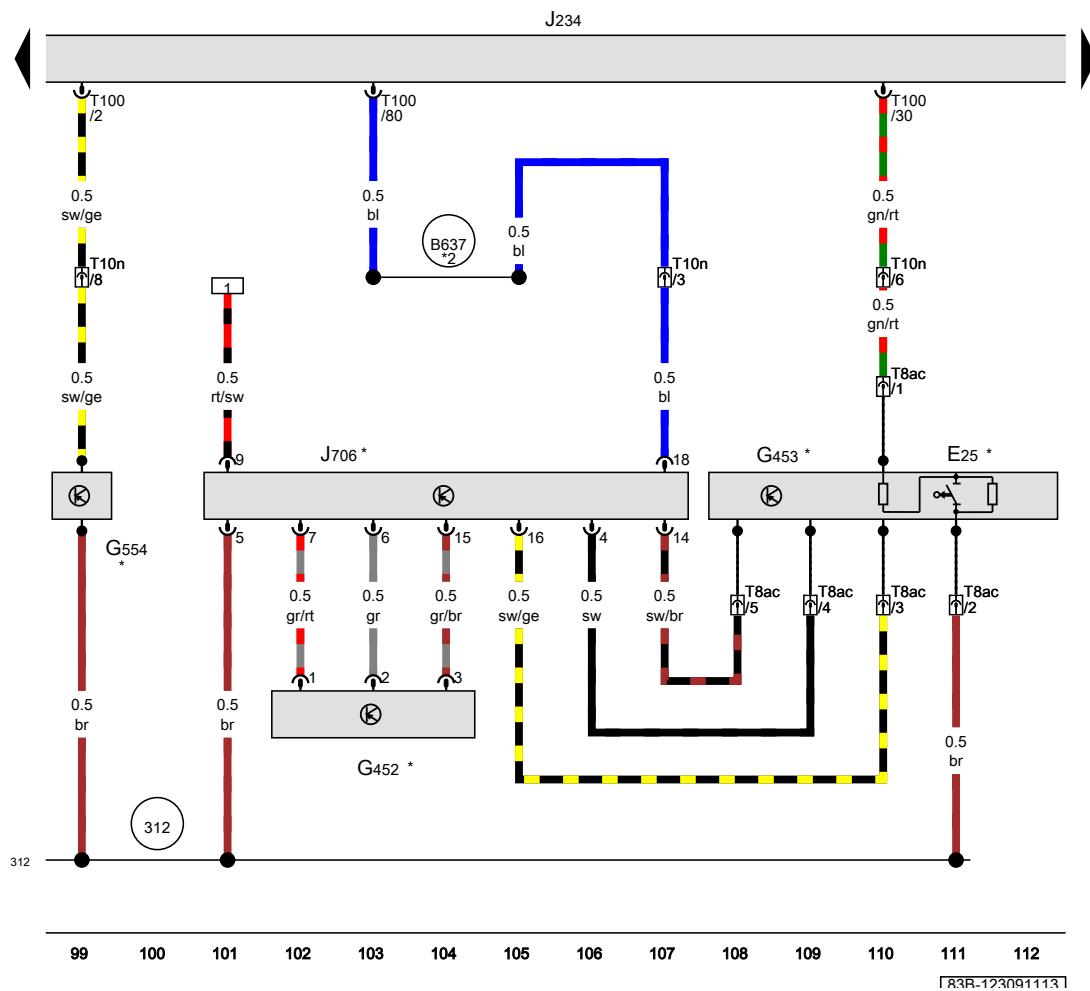
Front passenger seat belt switch, Passenger occupant detection system pressure sensor, Passenger occupant detection system seat belt force sensor, Front passenger seat position sensor, Airbag control module, Passenger occupant detection system control module

- E25 Front passenger seat belt switch
- G452 Passenger occupant detection system pressure sensor
- G453 Passenger occupant detection system seat belt force sensor
- G554 Front passenger seat position sensor
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- T8ac 8-pin connector
- T10n 10-pin connector, black
- T100 100-pin connector

312 Ground connection 2 (in airbag wiring harness)

B637 Airbag connection 1 (in main wiring harness)

- \* Special equipment
- \*2 If available



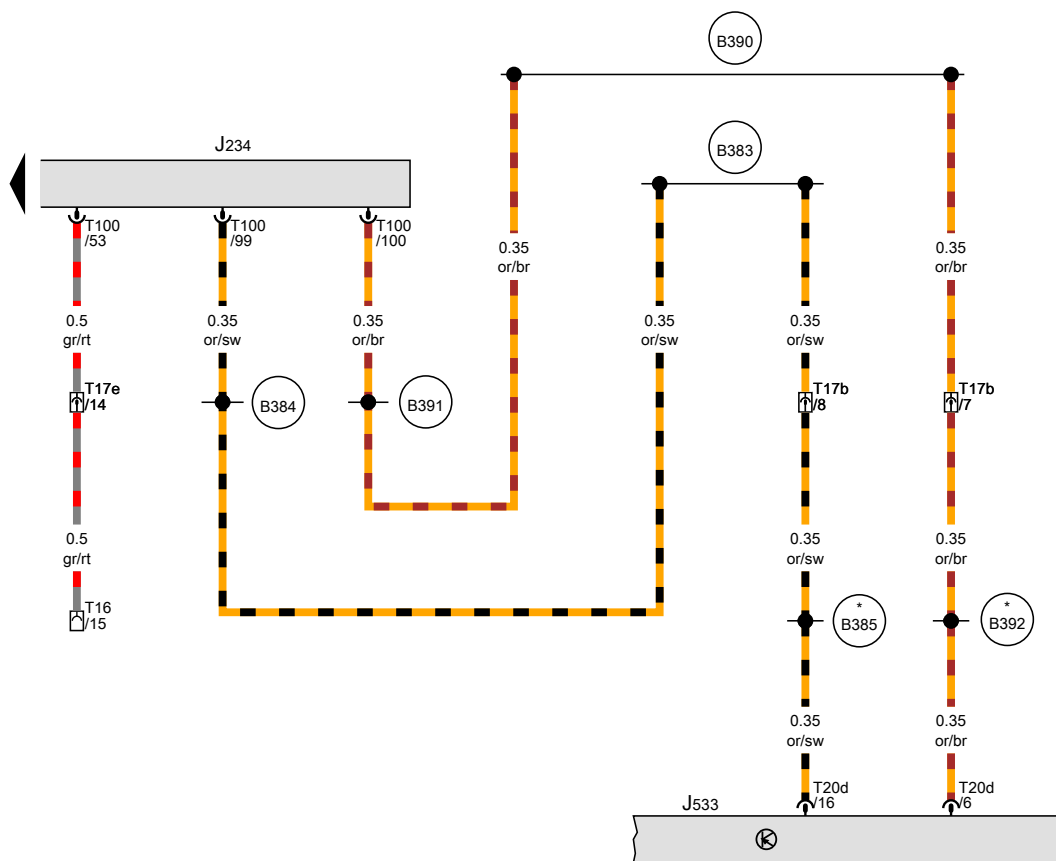
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# Airbag control module, Data bus on board diagnostic interface

- J234 Airbag control module
- J533 Data bus on board diagnostic interface
- T16 16-pin connector, on the diagnostic connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T20d 20-pin connector
- T100 100-pin connector

- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B384 Powertrain CAN bus high connection 2 (in main wiring harness)
- B385 Powertrain CAN bus high connection 3 (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)
- B392 Powertrain CAN bus low connection 3 (in main wiring harness)

\* Omitted as a running change



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- gr = grey
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- vi = lilac
- ge = yellow
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113 114 115 116 117 118 119 120 121 122 123 124 125 126

[83B-123101113]

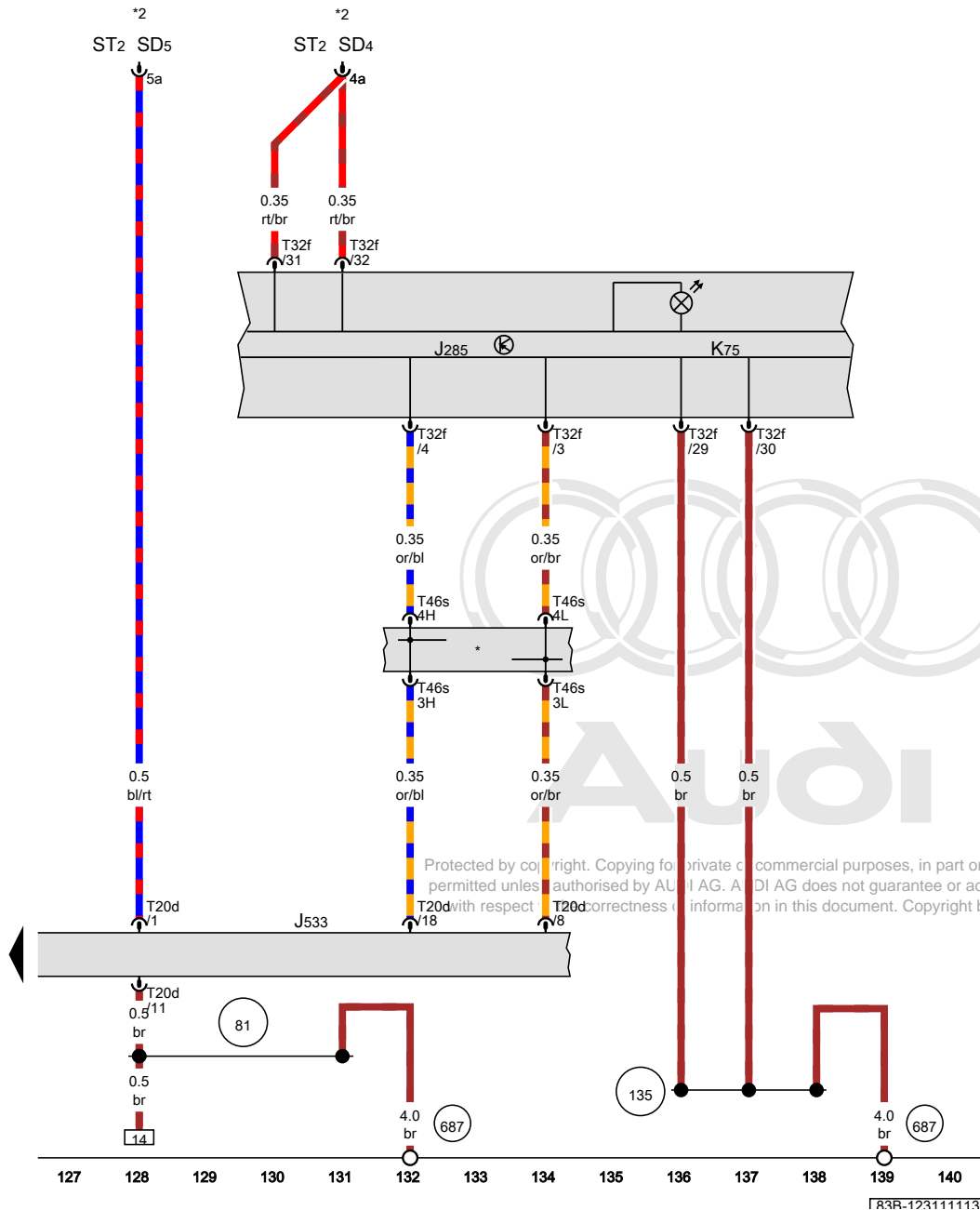


Instrument cluster control module, Data bus on board diagnostic interface, Airbag indicator lamp

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K75 Airbag indicator lamp
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel

- \* Refer to the applicable wiring diagram for CAN isolating plug
- \*2 Refer to applicable wiring diagram for fuse positions



**Cell phone preparation (MOST bus) - USA**  
from May 2012

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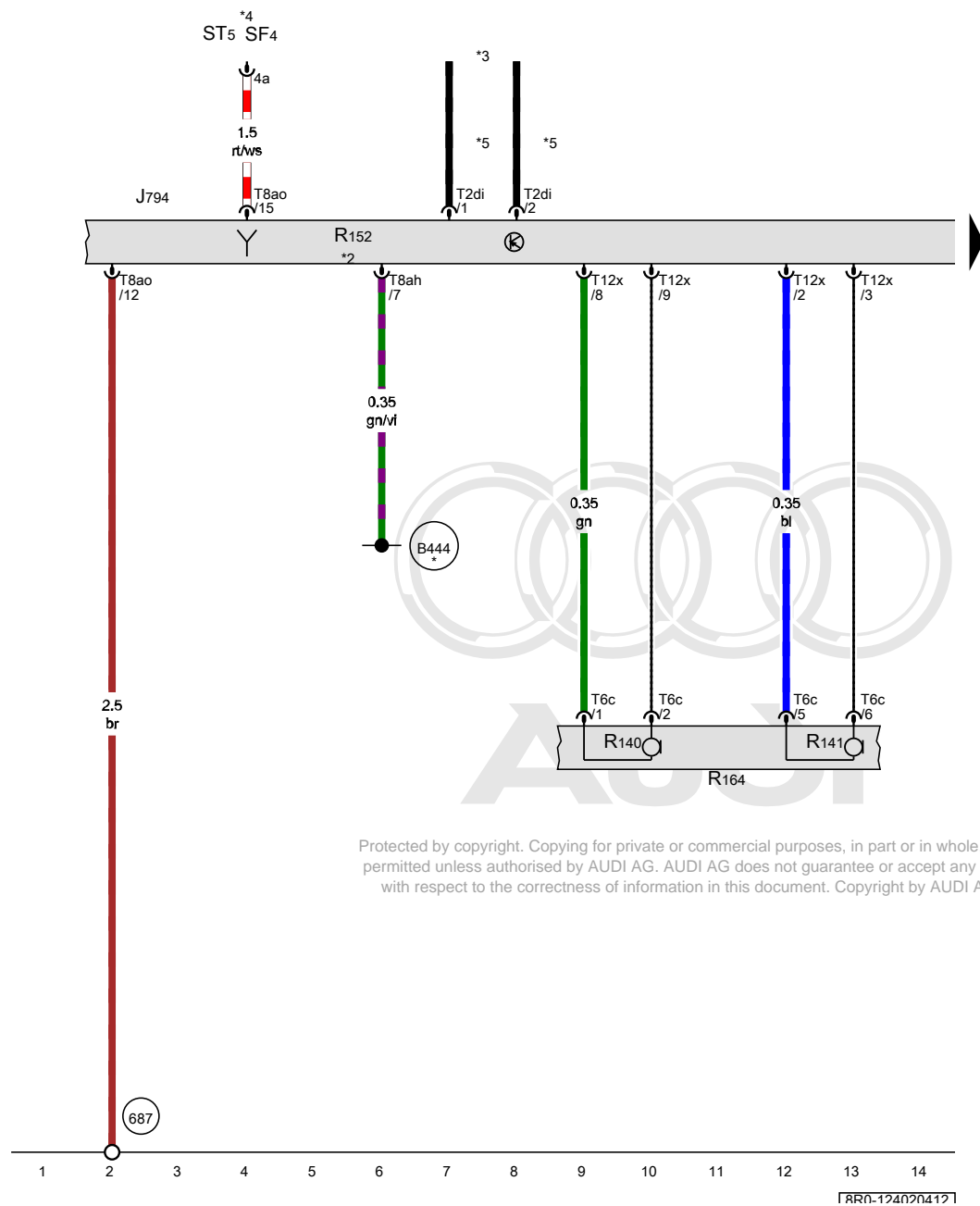
Information electronics control module 1, Microphone unit in front roof module

- J794 Information electronics control module 1
- R140 Left front microphone
- R141 Right front microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- T2di Double connector
- T6c 6-pin connector
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12x 12-pin connector

687 Ground connection 1 on center tunnel

B444 OBD connection 1 (in main wiring harness)

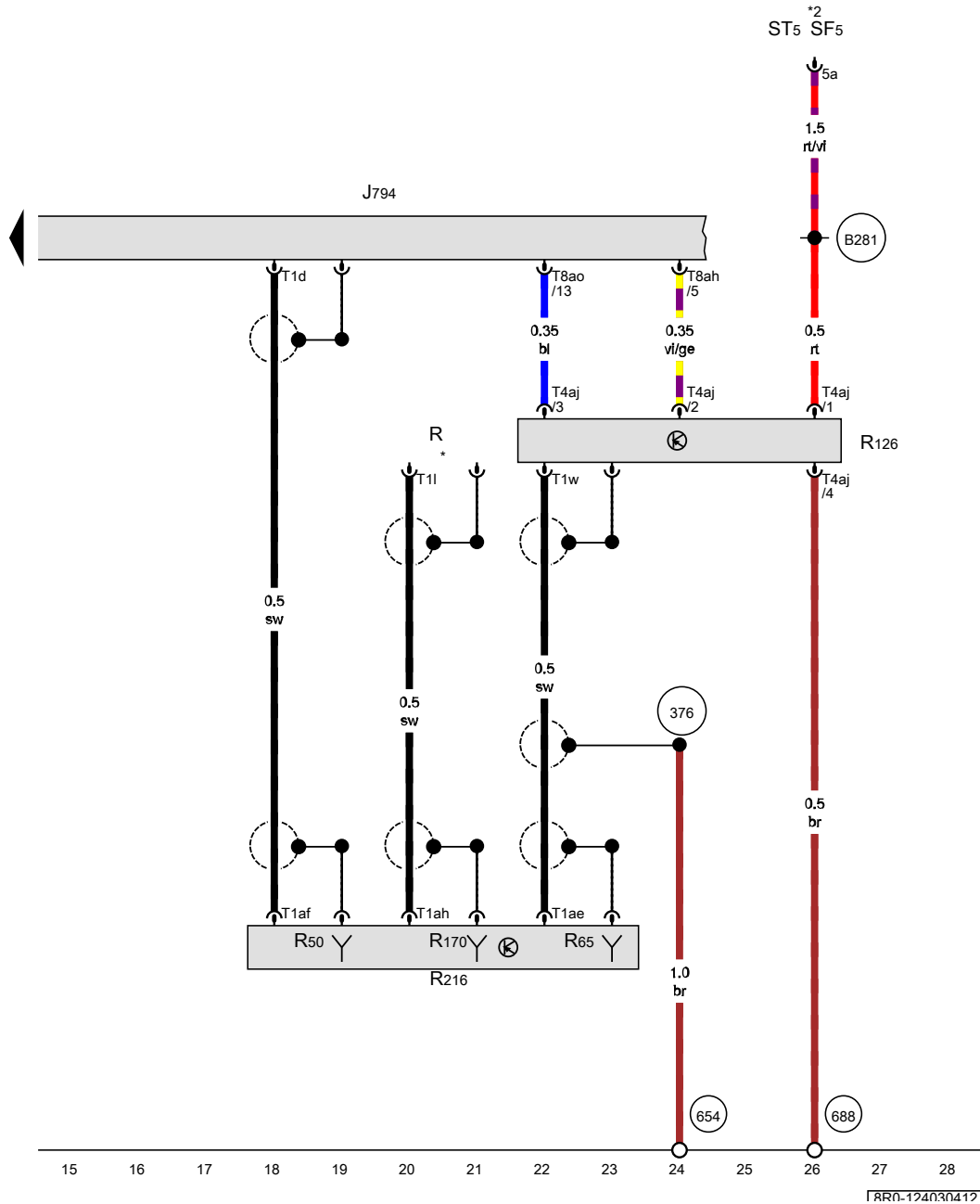
- \* Refer to applicable wiring diagram for ring break diagnosis
- \*2 Only for vehicles with Bluetooth
- \*3 Refer to applicable wiring diagram
- \*4 Refer to applicable wiring diagram for fuse positions
- \*5 Fiber optic cable



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

Information electronics control module 1, GPS antenna, Telephone antenna, Telephone baseplate, Satellite antenna, Roof antenna



- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R65 Telephone antenna
- R126 Telephone baseplate
- R170 Satellite antenna
- R216 Roof antenna
- ST5 Fuse panel 5
- SF5 Fuse 5 (on fuse panel F)
- T1ae Single connector
- T1af Single connector
- T1ah Single connector
- T1d Single connector
- T1l Single connector
- T1w Single connector
- T4aj 4-pin connector
- T8ah 8-pin connector
- T8ao 8-pin connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

688 Ground connection 2 on center tunnel

B281 Positive connection 5 (15a) (in main wiring harness)

\* Only for vehicles with a radio

\*2 Refer to applicable wiring diagram for fuse positions

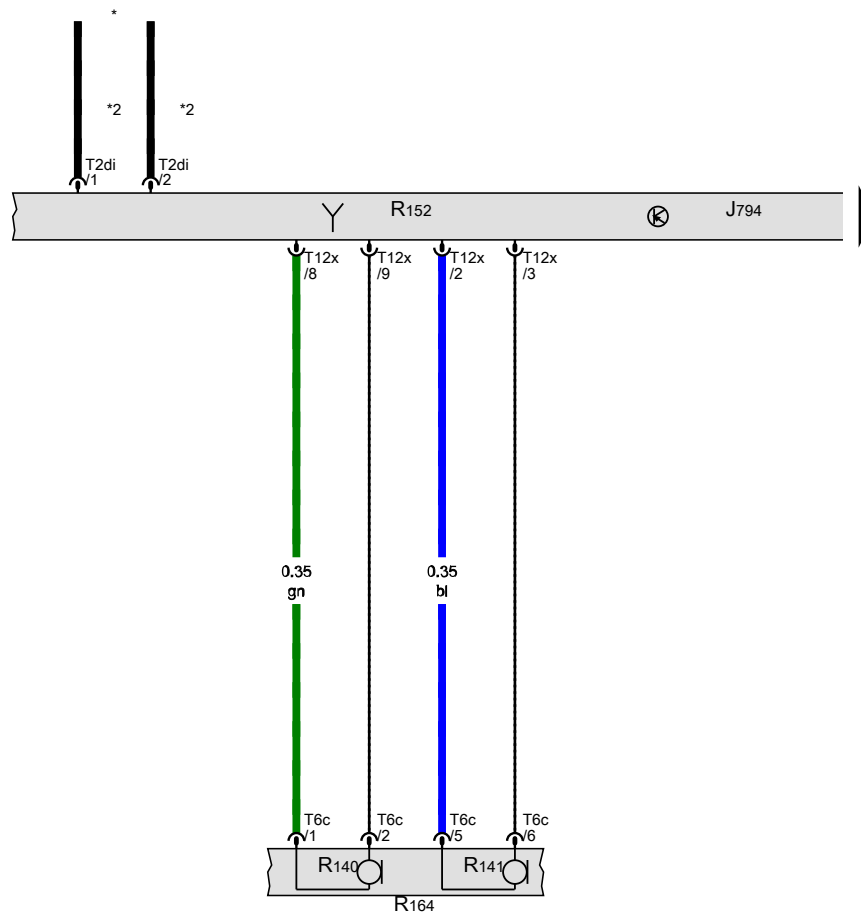
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**Cell phone - Bluetooth, (MOST bus)**  
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Information electronics control module 1, Left front microphone, Right front microphone, Bluetooth antenna, Microphone unit in front roof module

- J794 Information electronics control module 1
- R140 Left front microphone
- R141 Right front microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- T2di Double connector
- T6c 6-pin connector
- T12x 12-pin connector
- \* Refer to applicable wiring diagram
- \*2 Fiber optic cable



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Information electronics control module 1, Radio, Auxiliary heater radio receiver, Telephone antenna, Satellite antenna, Auxiliary heater antenna, Roof antenna

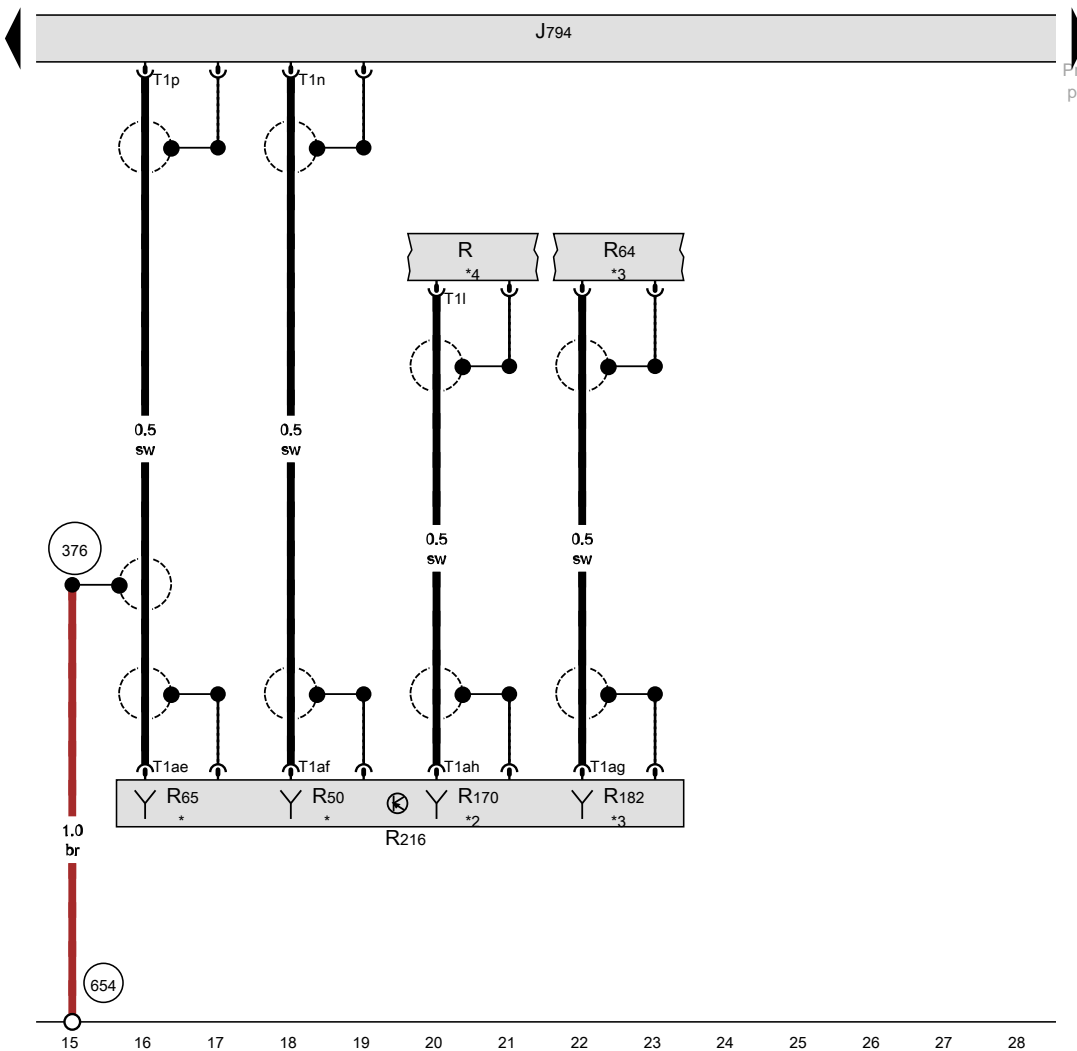
- J794 Information electronics control module 1
- R Radio
- R50 GPS antenna
- R64 Auxiliary heater radio receiver
- R65 Telephone antenna
- R170 Satellite antenna
- R182 Auxiliary heater antenna
- R216 Roof antenna
- T1ae Single connector
- T1af Single connector
- T1ag Single connector
- T1ah Single connector
- T1l Single connector
- T1n Single connector
- T1p Single connector

376 Ground connection 11 (in main wiring harness)

654 Ground connection on right D-pillar

- \* Optional equipment
- \*2 Only for vehicles with satellite radio
- \*3 Only for vehicles with an auxiliary heater
- \*4 Only for vehicles with a radio

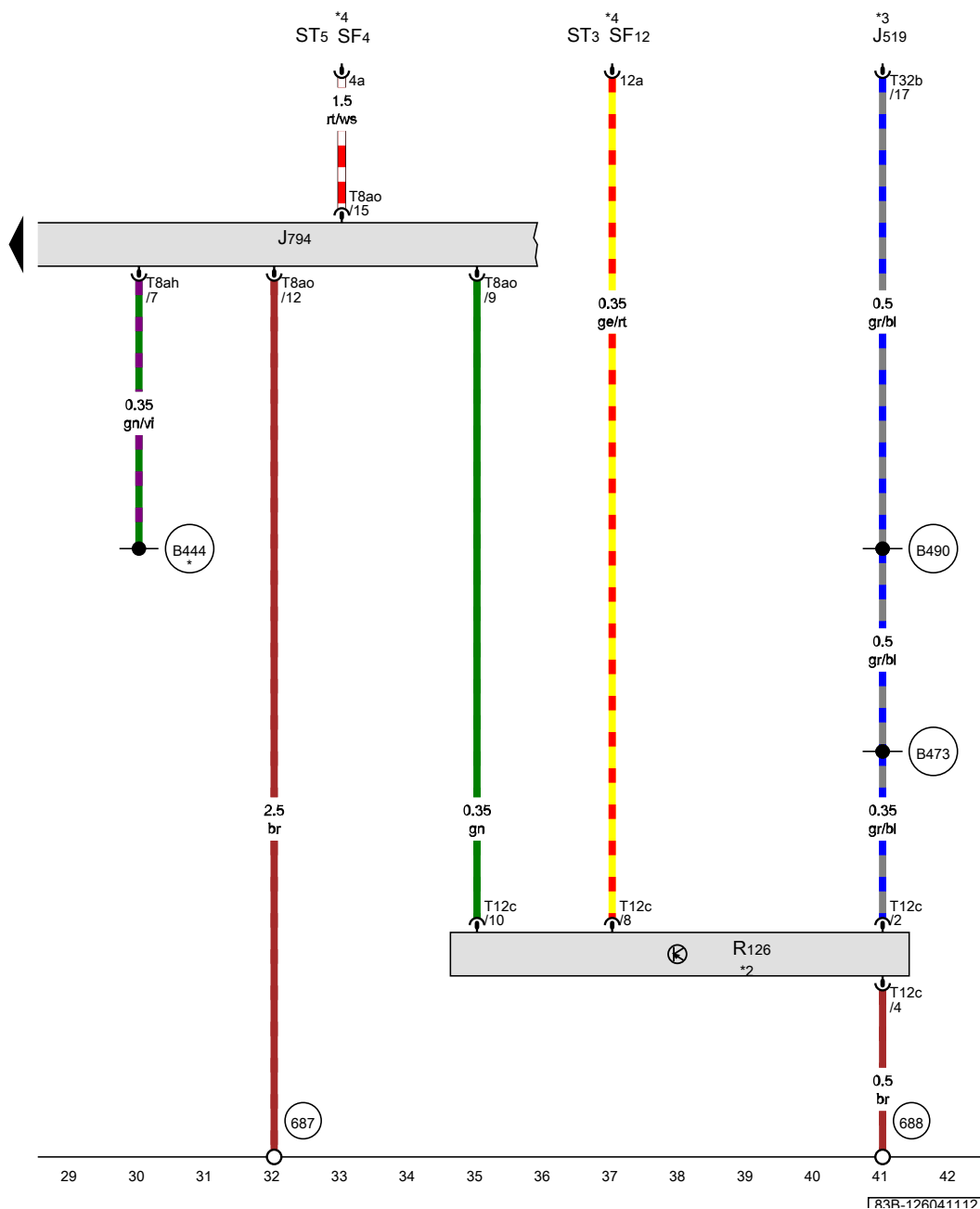
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183R-1260311121

Vehicle electrical system control module, Information electronics control module 1, Telephone baseplate



- J519 Vehicle electrical system control module
- J794 Information electronics control module 1
- R126 Telephone baseplate
- ST3 Fuse panel 3
- SF4 Fuse 4 (on fuse panel F)
- ST5 Fuse panel 5
- SF12 Fuse 12 (on fuse panel F)
- T8ah 8-pin connector
- T8ao 8-pin connector
- T12c 12-pin connector
- T32b 32-pin connector

- 687 Ground connection 1 on center tunnel
- 688 Ground connection 2 on center tunnel
- B444 OBD connection 1 (in main wiring harness)
- B473 Connection 9 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)

- \* Refer to applicable wiring diagram for ring break diagnosis
- \*2 Only for vehicles with center armrest
- \*3 Refer to applicable standard equipment wiring diagram
- \*4 Refer to applicable wiring diagram for fuse positions

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**Heated seats**  
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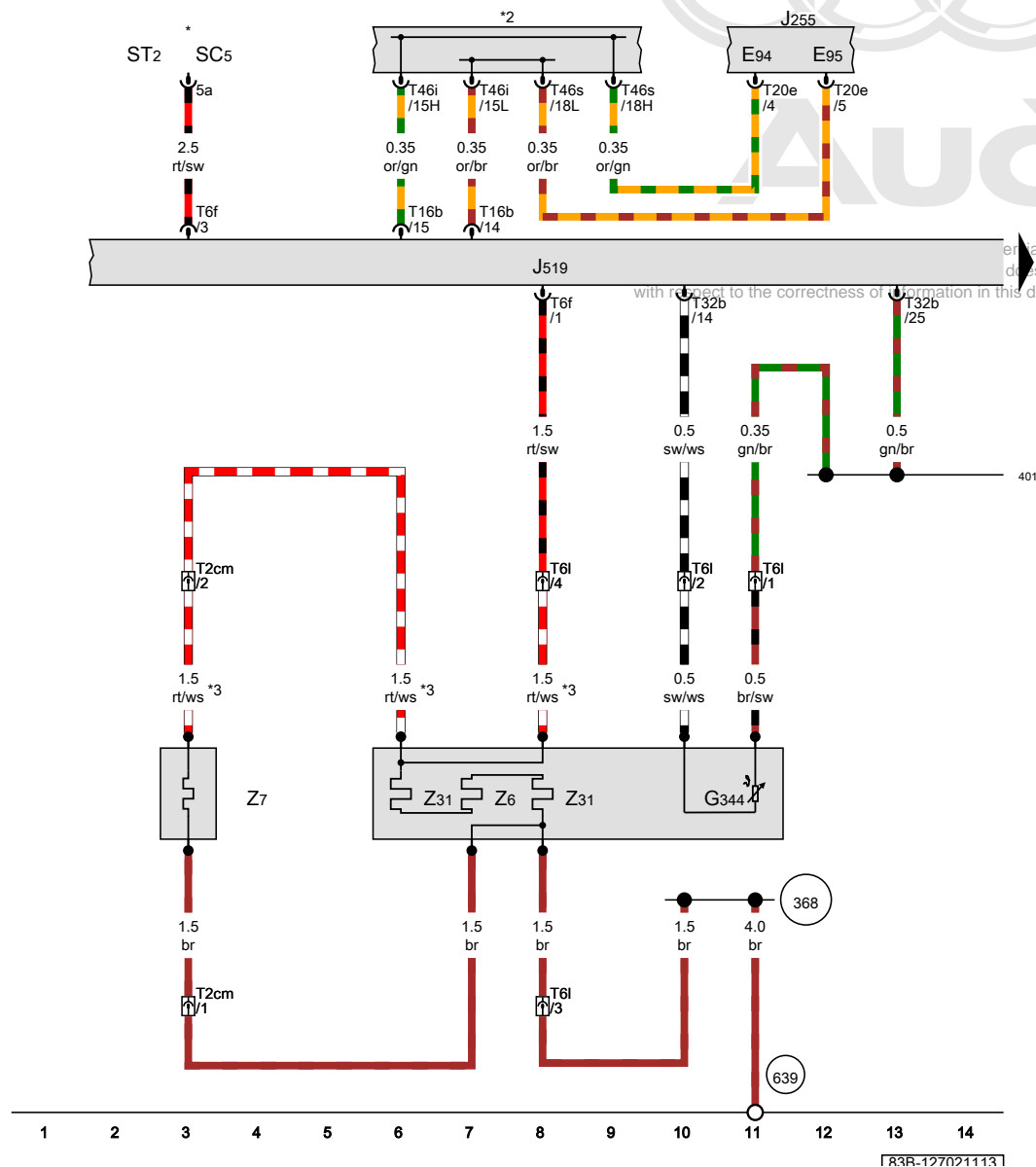
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Heated driver seat adjuster, Heated front passenger seat adjuster, Vehicle electrical system control module, Driver seat heating element, Driver backrest heating element

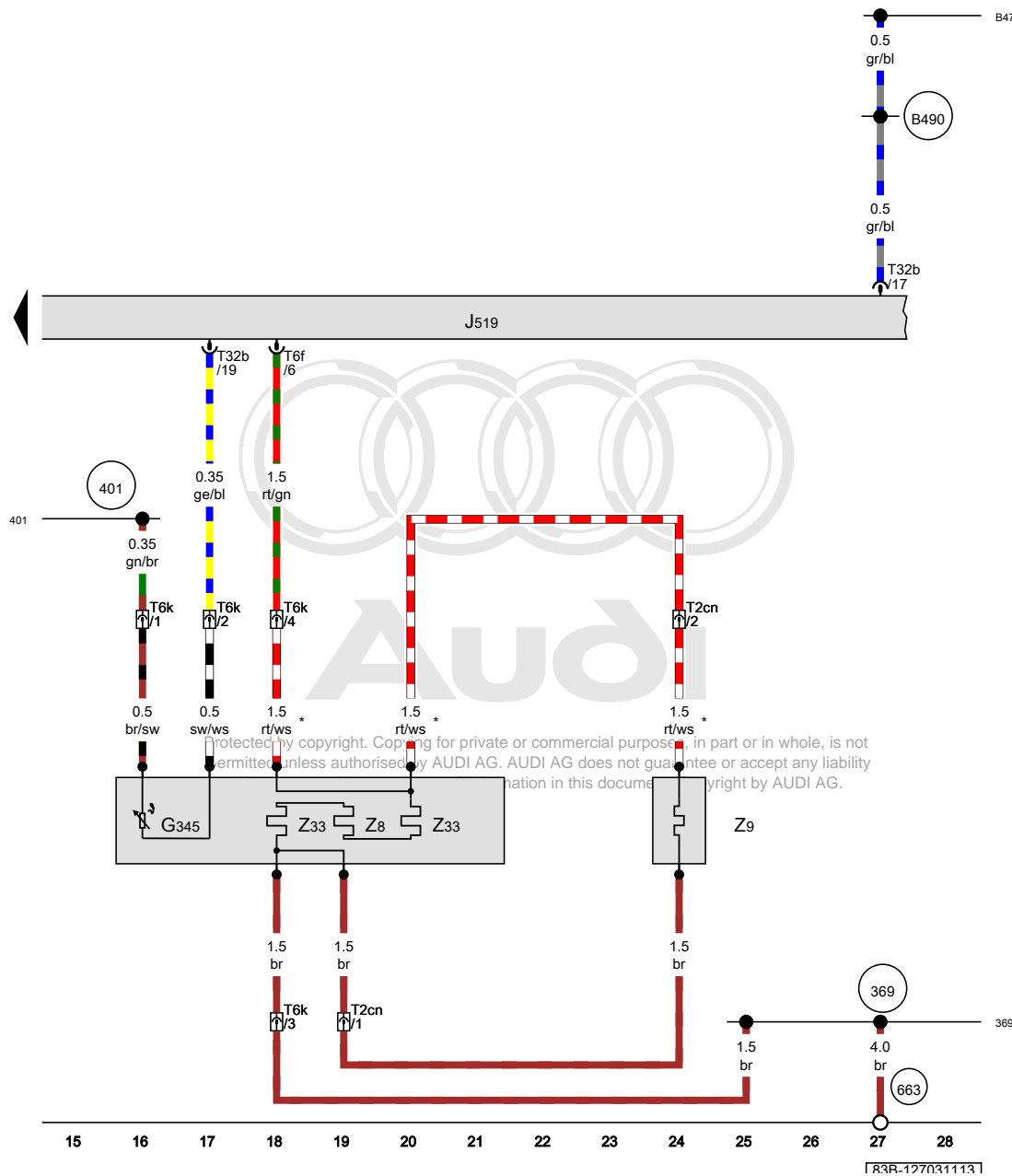
- E94 Heated driver seat adjuster
- E95 Heated front passenger seat adjuster
- G344 Left front seat temperature sensor
- J255 Climatronic control module
- J519 Vehicle electrical system control module
- ST2 Fuse panel 2
- SC5 Fuse 5 (on fuse panel C)
- T2cm Double connector, in the driver seat
- T6f 6-pin connector
- T6l 6-pin connector, green
- T16b 16-pin connector
- T20e 20-pin connector
- T32b 32-pin connector
- T46i 46-pin connector
- T46s 46-pin connector
- Z6 Driver seat heating element
- Z7 Driver backrest heating element
- Z31 Driver seat bolster heater

- 368 Ground connection 3 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar

- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug
- \*3 The color of the wires depends on vehicle equipment



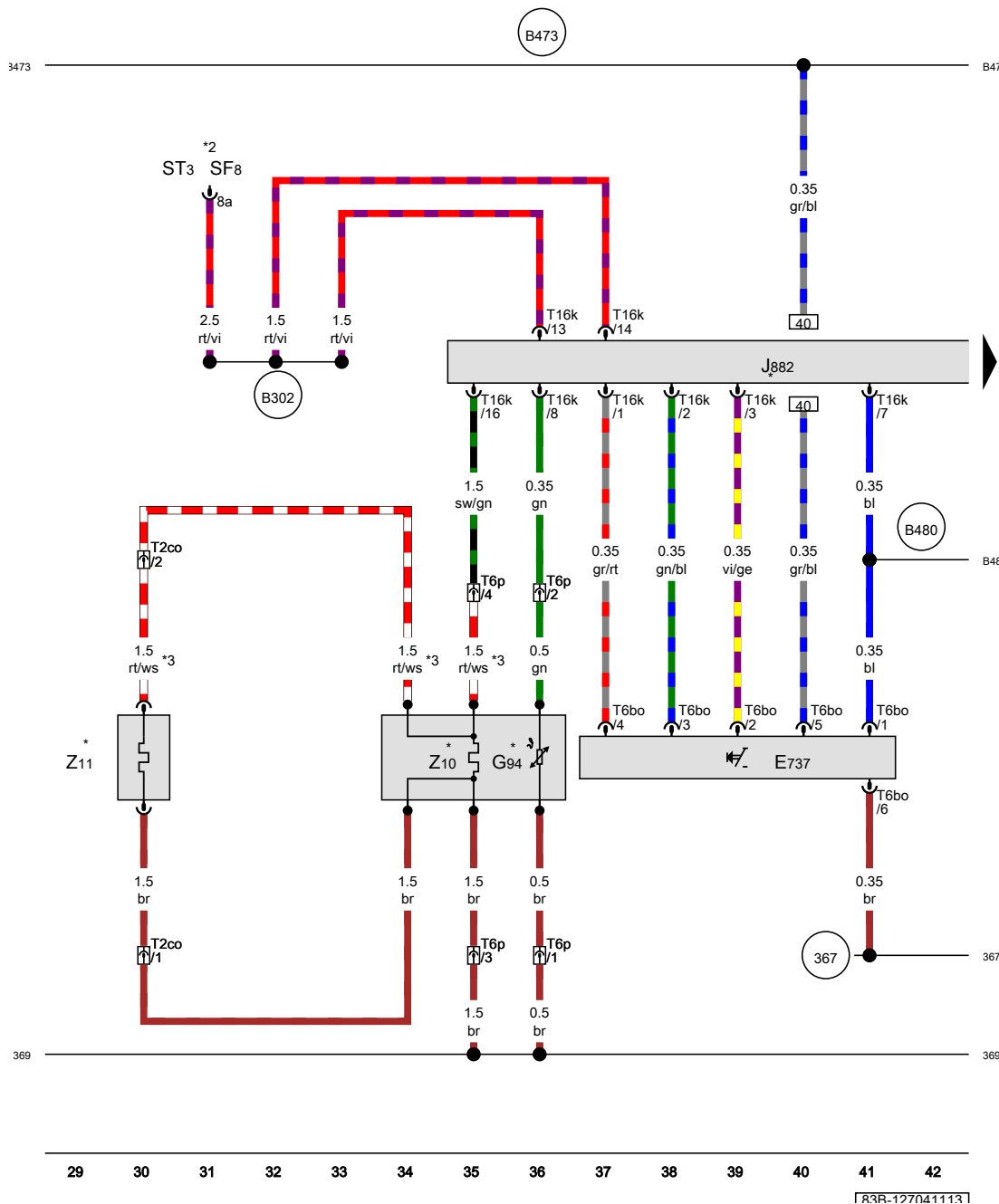
- ws = white
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink



# Vehicle electrical system control module, Front passenger seat heating element, Front passenger backrest heating element

- G345 Right front seat temperature sensor
- J519 Vehicle electrical system control module
- T2cn Double connector, in the front passenger seat
- T6f 6-pin connector
- T6k 6-pin connector, green
- T32b 32-pin connector
- Z8 Front passenger seat heating element
- Z9 Front passenger backrest heating element
- Z33 Front passenger seat bolster heater

- 369 Ground connection 4 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 663 Ground connection in right rear side panel
- B473 Connection 9 (in main wiring harness)
- B490 Connection 26 (in main wiring harness)
- \* The color of the wires depends on vehicle equipment



# Seat heating control module, Left rear bench seat heating element

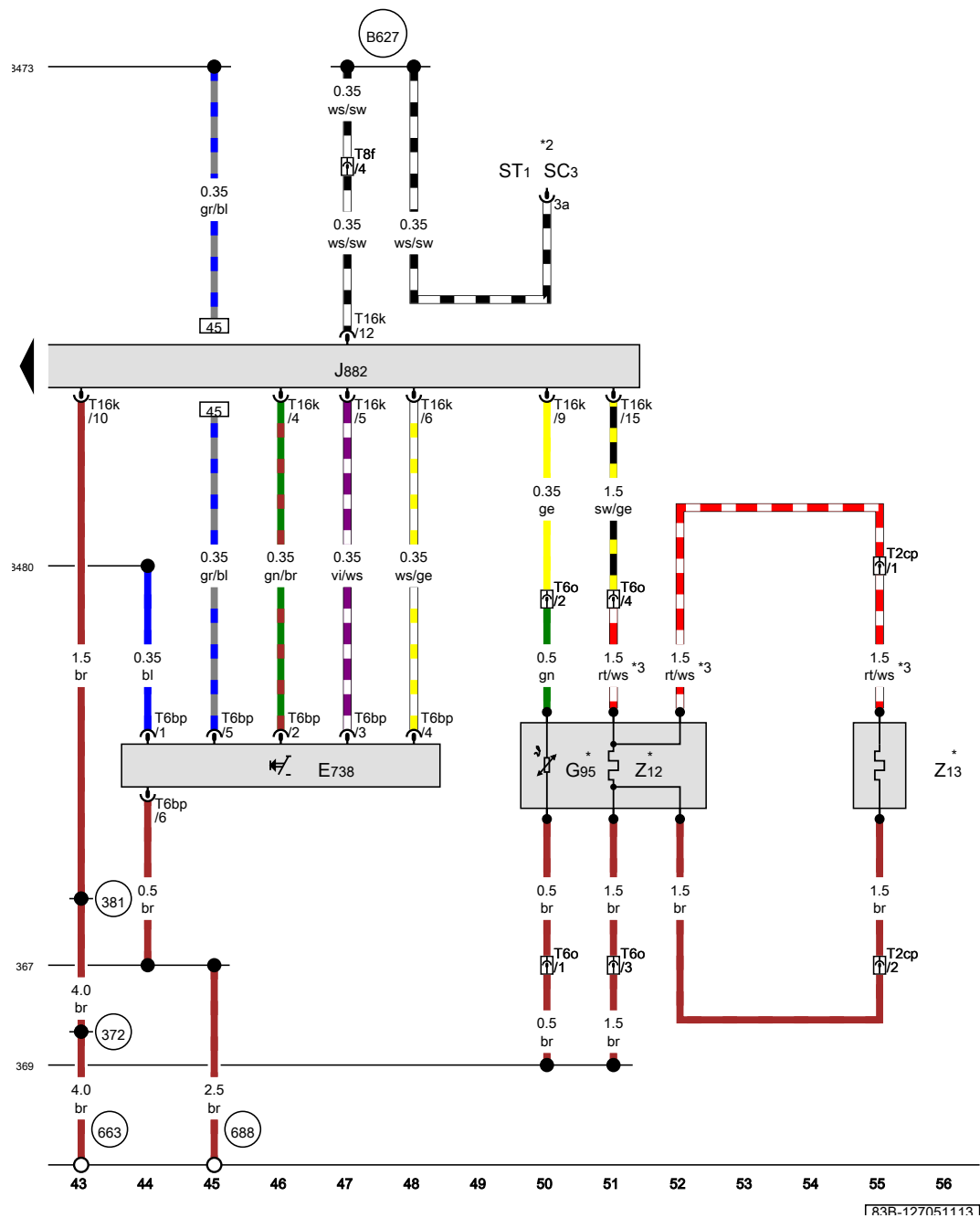
- E737 Left rear seat heating button
- G94 Left rear heated seat temperature sensor
- J882 Seat heating control module
- ST3 Fuse panel 3
- SF8 Fuse 8 (on fuse panel F)
- T2co Double connector, under the rear seat
- T6bo 6-pin connector
- T6p 6-pin connector, green
- T16k 16-pin connector
- Z10 Left rear bench seat heating element
- Z11 Left rear backrest heating element

- 367 Ground connection 2 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- B302 Positive connection 6 (30) (in main wiring harness)
- B473 Connection 9 (in main wiring harness)
- B480 Connection 16 (in main wiring harness)

- \* Only for vehicles with heated rear seats
- \*2 Refer to applicable wiring diagram for fuse positions
- \*3 The color of the wires depends on vehicle equipment

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

[A3B-127041113]



# Seat heating control module, Right rear bench seat heating element

- E738 Right rear seat heating button
- G95 Right rear heated seat temperature sensor
- J882 Seat heating control module
- ST1 Fuse panel 1
- SC3 Fuse 3 (on fuse panel C)
- T2cp Double connector, under the rear seat
- T6bp 6-pin connector
- T6o 6-pin connector, brown
- T8f 8-pin connector, black
- T16k 16-pin connector
- Z12 Right rear bench seat heating element
- Z13 Right rear backrest heating element

- 367 Ground connection 2 (in main wiring harness)
- 369 Ground connection 4 (in main wiring harness)
- 372 Ground connection 7 (in main wiring harness)
- 381 Ground connection 16 (in main wiring harness)
- 663 Ground connection in right rear side panel
- 688 Ground connection 2 on center tunnel
- B473 Connection 9 (in main wiring harness)
- B480 Connection 16 (in main wiring harness)
- B627 Positive connection 3 (15) (in main wiring harness)

\* Only for vehicles with heated rear seats  
 \*2 Refer to applicable wiring diagram for fuse positions  
 \*3 The color of the wires depends on vehicle equipment

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

183B-127051113

**Climate Control, Comfort Climatronic**

From May 2012



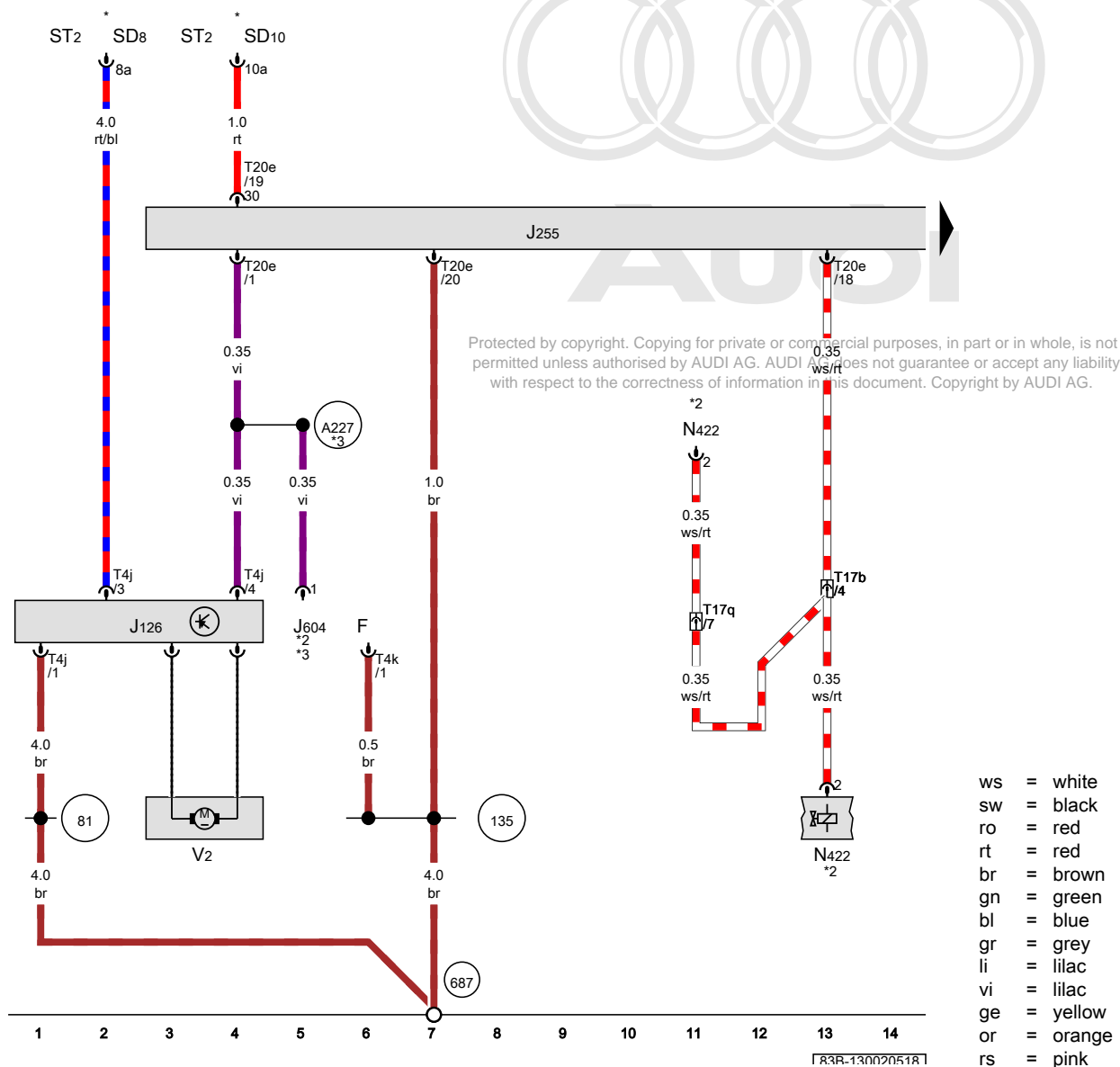
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Fresh Air Blower Control Module, Fresh Air Blower

- F Brake Lamp Switch
- J126 Fresh Air Blower Control Module
- J255 Climatronic Control Module
- J604 Auxiliary Heater Control Module
- N422 Climatronic Coolant Shut-Off Valve
- ST2 Fuse Panel 2
- SD8 Fuse 8 (On Fuse Panel D)
- SD10 Fuse 10 (On Fuse Panel D)
- T4j 4-Pin Connector
- T4k 4-Pin Connector
- T17b 17-Pin Connector, Blue
- T17q 17-Pin Connector, Red
- T20e 20-Pin Connector
- V2 Fresh Air Blower

- 81 Ground Connection 1 (in Instrument Panel Wiring Harness)
- 135 Ground Connection 2 (in Instrument Panel Wiring Harness)
- 687 Ground Connection 1 on Center Tunnel
- A227 LIN Bus Connection 2 (in Instrument Panel Wiring Harness)

- \* Refer to Applicable Wiring Diagram for Fuse Positions
- \*2 Refer to Applicable Engine Wiring Diagram
- \*3 For Vehicles with Flex Fuel



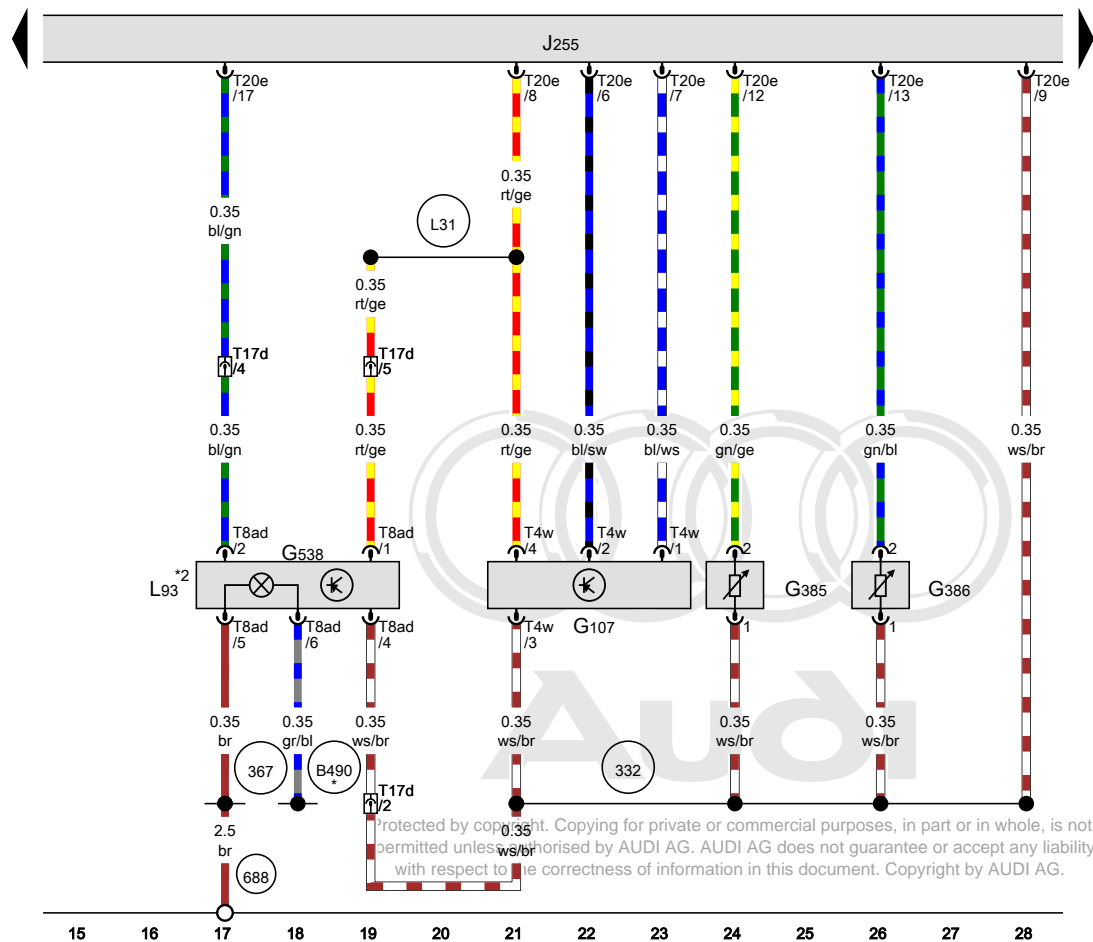
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- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

# Sunlight Photo Sensor, Rear Temperature Selection Potentiometer

- G107 Sunlight Photo Sensor
- G385 Left Front Upper Body Vent Temperature Sensor
- G386 Right Front Upper Body Vent Temperature Sensor
- G538 Rear Temperature Selection Potentiometer
- J255 Climatronic Control Module
- L93 Temperature Control Switch Illumination Bulb
- T4w 4-Pin Connector
- T8ad 8-Pin Connector
- T17d 17-Pin Connector, Brown
- T20e 20-Pin Connector

- 332 Ground Connection 4 (in Instrument Panel Wiring Harness)
- 367 Ground Connection 2 (in Main Wiring Harness)
- 688 Ground Connection 2 on Center Tunnel
- B490 Connection 26 (in Main Wiring Harness)
- L31 Connection (5 Volt) (in A/C System Wiring Harness)

\* Refer to Applicable Standard Equipment Wiring Diagram  
\*2 Optional Equipment



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18105300383R



# Defroster Door Motor, Right Center Vent Motor

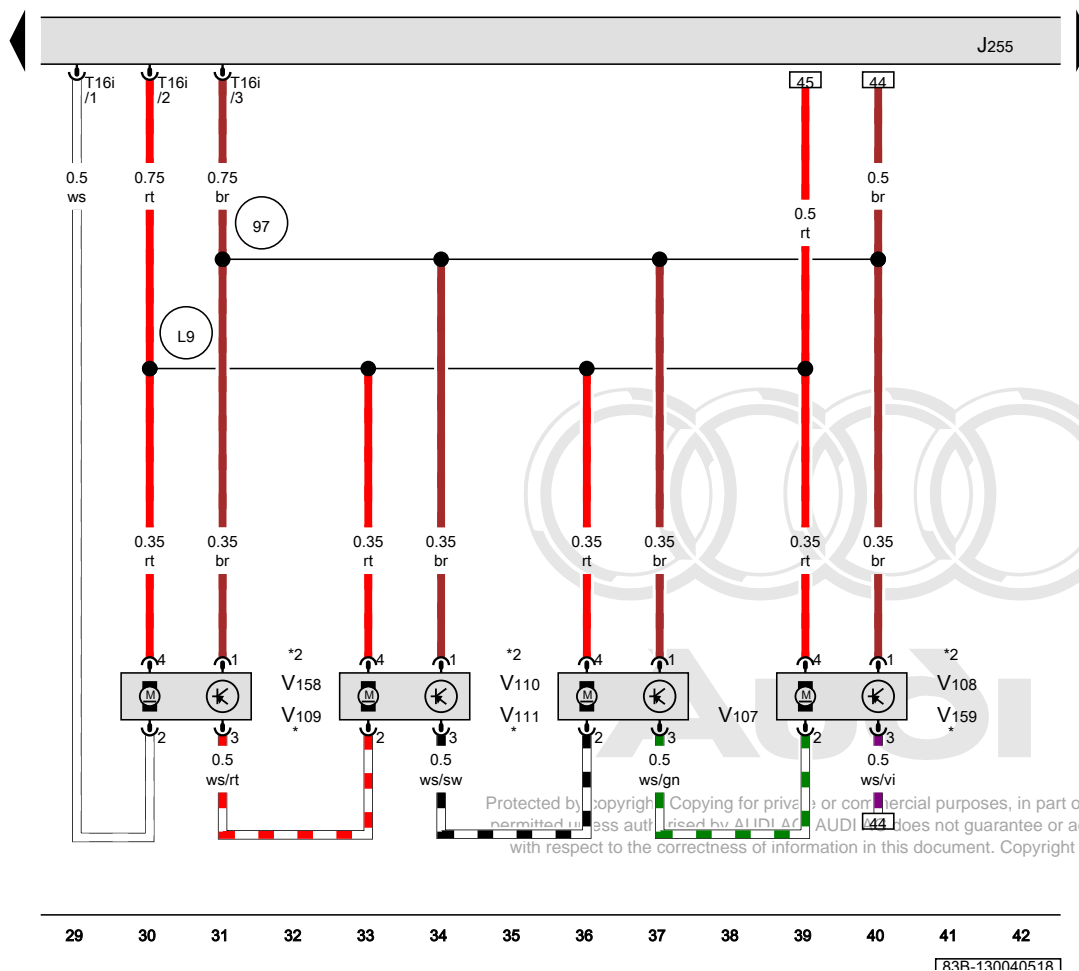
J255 Climatronic Control Module  
T16i 16-Pin Connector  
V107 Defroster Door Motor  
V108 Left Footwell Door Motor  
V109 Right Footwell Door Motor  
V110 Left Center Vent Motor  
V111 Right Center Vent Motor  
V158 Left Temperature Control Door Motor  
V159 Right Temperature Control Door Motor

97 Ground Connection 1 (in A/C Wiring Harness)

L9 Connection 1 (in A/C System Wiring Harness)

\* For RHD Vehicles

\*2 For LHD Vehicles



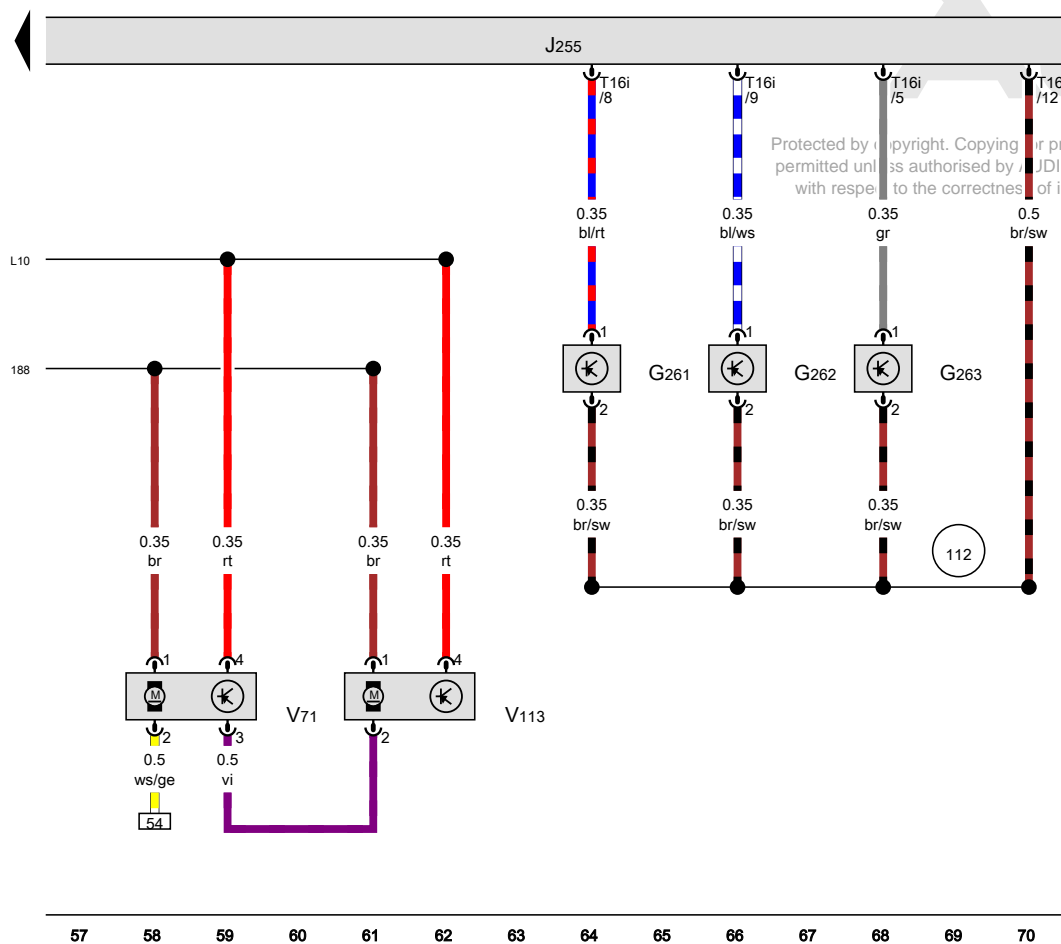
183B-1300405181



Left Footwell Vent Temperature Sensor, Right Footwell Vent Temperature Sensor, Evaporator Vent Temperature Sensor, Back Pressure Door Motor, Recirculation Door Motor

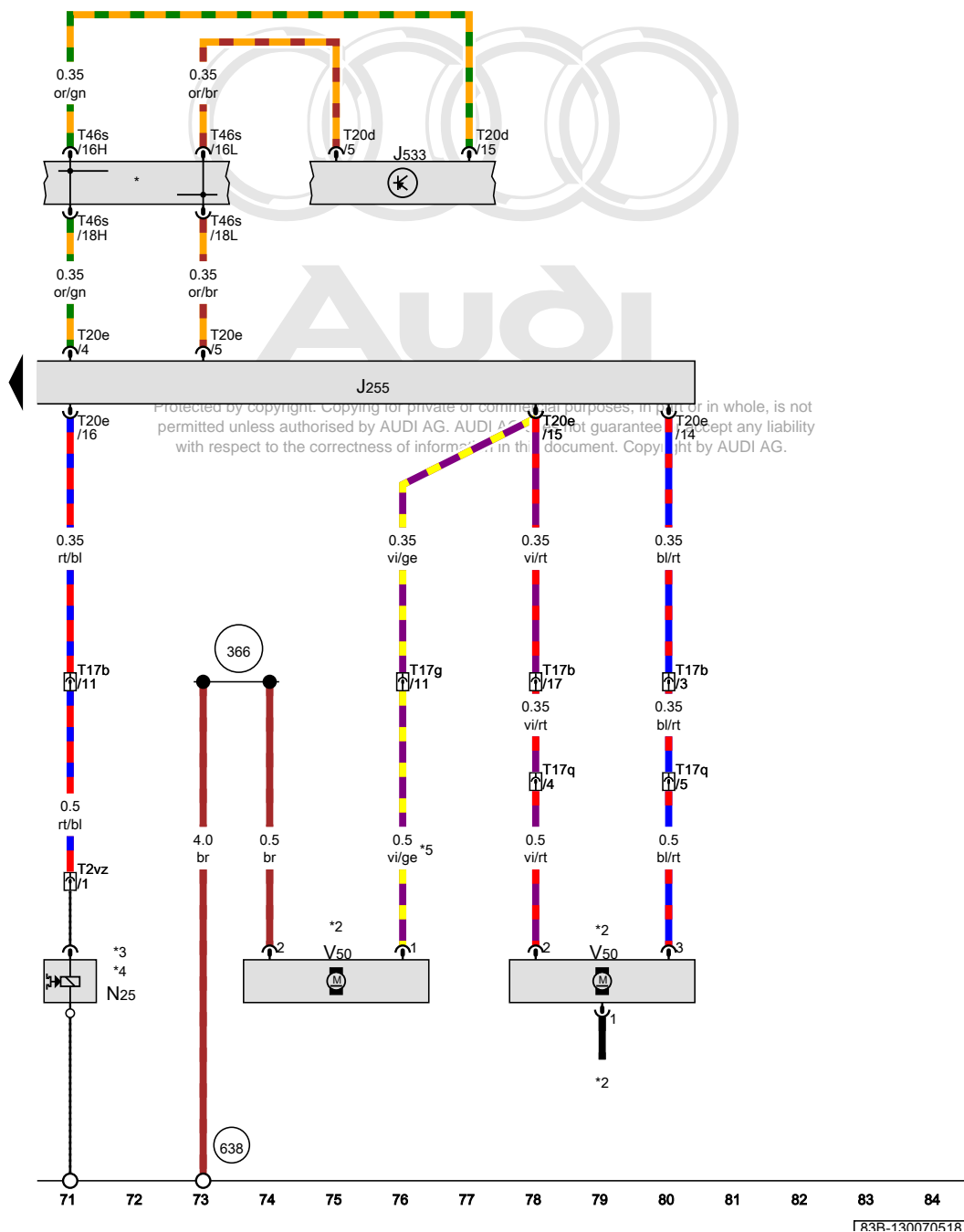
- G261 Left Footwell Vent Temperature Sensor
- G262 Right Footwell Vent Temperature Sensor
- G263 Evaporator Vent Temperature Sensor
- J255 Climatronic Control Module
- T16i 16-Pin Connector
- V71 Back Pressure Door Motor
- V113 Recirculation Door Motor

- 112 Ground Connection 2 (in A/C Wiring Harness)
- 188 Ground Connection 3 (in A/C Wiring Harness)
- L10 Connection 2 (in A/C System Wiring Harness)



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

183B-1300605181



## A/C Clutch, Coolant Recirculation Pump

- J255 Climatronic Control Module
- J533 Data Bus on Board Diagnostic Interface
- N25 A/C Clutch
- T2vz 2-Pin Connector, Brown
- T17b 17-Pin Connector, Blue
- T17g 17-Pin Connector, Black
- T17q 17-Pin Connector, Red
- T20d 20-Pin Connector
- T20e 20-Pin Connector
- T46s 46-Pin Connector
- V50 Coolant Recirculation Pump

366 Ground Connection 1 (in Main Wiring Harness)

638 Ground Connection on Right A-Pillar

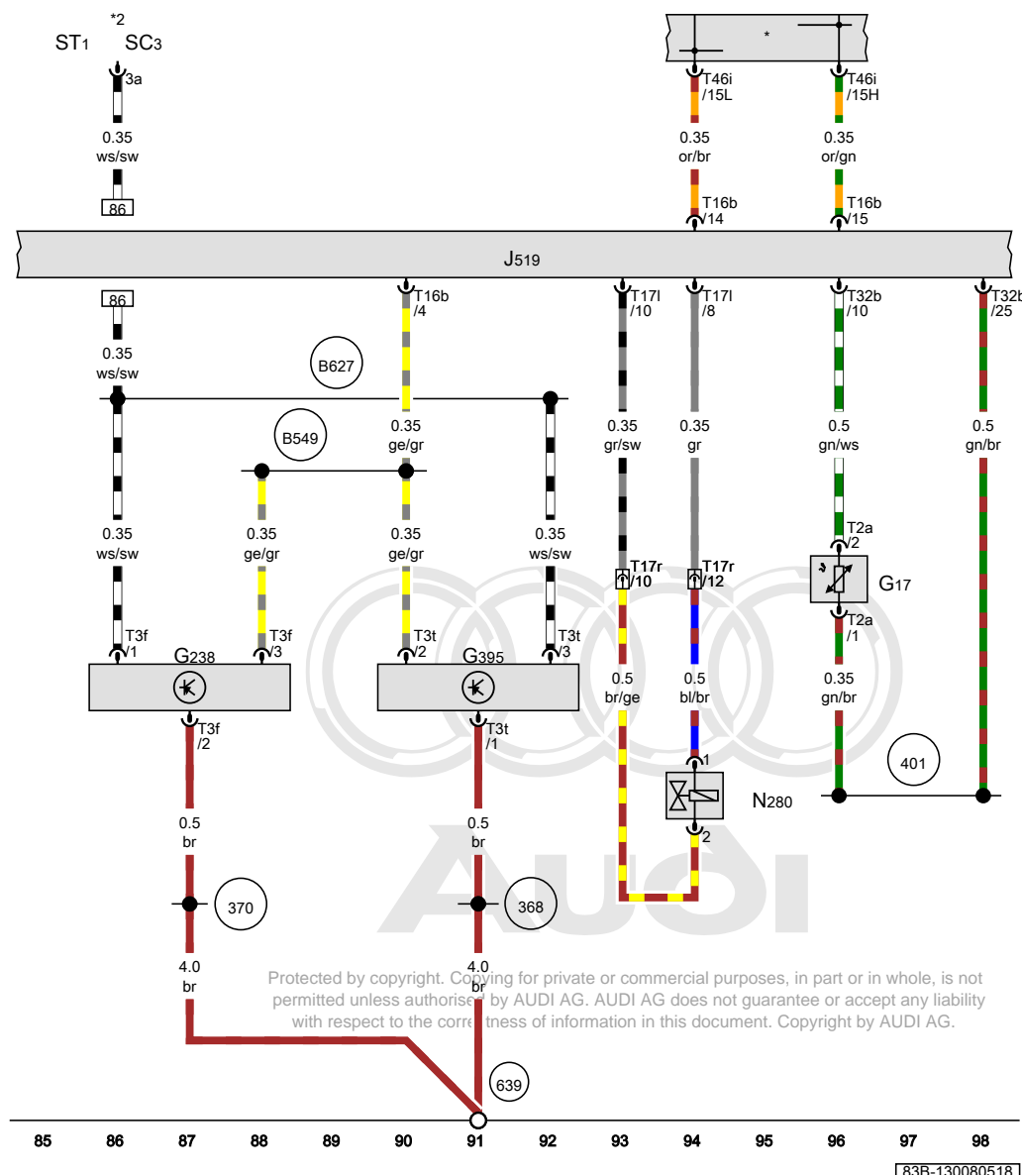
- \* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector
- \*2 Refer to Applicable Engine Wiring Diagram
- \*3 For Vehicles with Diesel Engine
- \*4 For Vehicles with a 2.0L Engine
- \*5 The Color of the Wires Depends on Vehicle Equipment

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

Outside Air Temperature Sensor, A/C Pressure/  
Temperature Sensor 1, A/C Compressor Regulator Valve

- G17 Outside Air Temperature Sensor
- G238 Air Quality Sensor
- G395 A/C Pressure/Temperature Sensor 1
- J519 Vehicle Electrical System Control Module
- N280 A/C Compressor Regulator Valve
- ST1 Fuse Panel 1
- SC3 Fuse 3 (On Fuse Panel C)
- T2a 2-Pin Connector
- T3f 3-Pin Connector
- T3t 3-Pin Connector
- T16b 16-Pin Connector
- T17i 17-Pin Connector
- T17r 17-Pin Connector, White
- T32b 32-Pin Connector
- T46i 46-Pin Connector

- 368 Ground Connection 3 (in Main Wiring Harness)
- 370 Ground Connection 5 (in Main Wiring Harness)
- 401 Sensor Ground Connection (in Interior Wiring Harness)
- 639 Ground Connection on Left A-Pillar
- B549 LIN Bus Connection 2 (in Main Wiring Harness)
- B627 Positive Connection 3 (15) (in Main Wiring Harness)
- \* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector
- \*2 Refer to Applicable Wiring Diagram for Fuse Positions



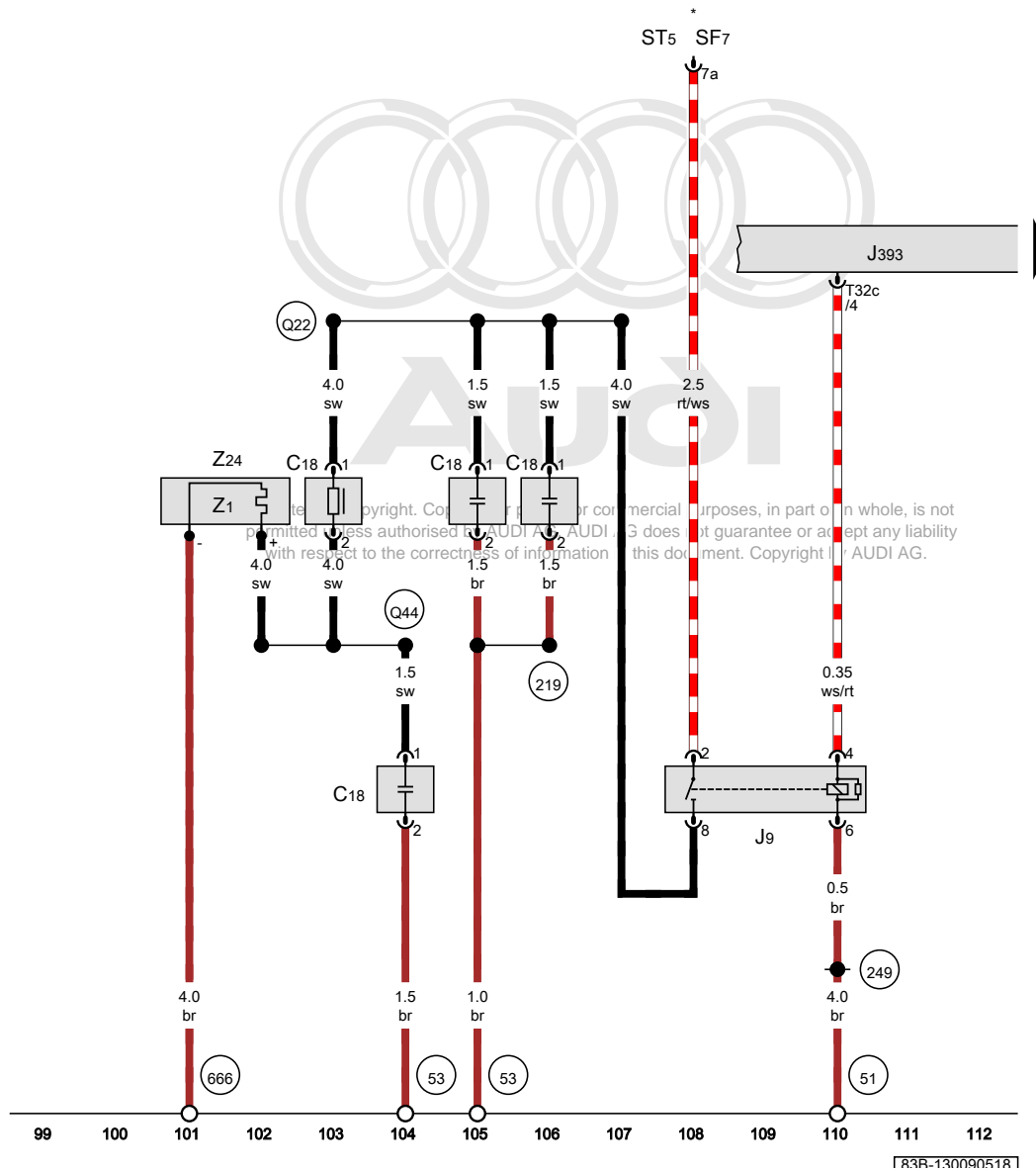
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

# Comfort System Central Control Module, Rear Window Defogger

- C18 Windshield Antenna Suppression Filter
- J9 Rear Window Defogger Relay
- J393 Comfort System Central Control Module
- ST5 Fuse Panel 5
- SF7 Fuse 7 (On Fuse Panel F)
- T32c 32-Pin Connector
- Z1 Rear Window Defogger
- Z24 Rear Window Defogger with Window Antenna

- 51 Ground Connection in Luggage Compartment, Right
- 53 Ground Connection in Rear Lid, Right
- 219 Ground Connection 2 (in Rear Lid Wiring Harness)
- 249 Ground Connection 2 (in Interior Wiring Harness)
- 666 Ground Connection on Roof, Right Rear
- Q22 Connection 1 (in Rear Lid Wiring Harness)
- Q44 Connection 2 (in Rear Lid Wiring Harness)

\* Refer to Applicable Wiring Diagram for Fuse Positions

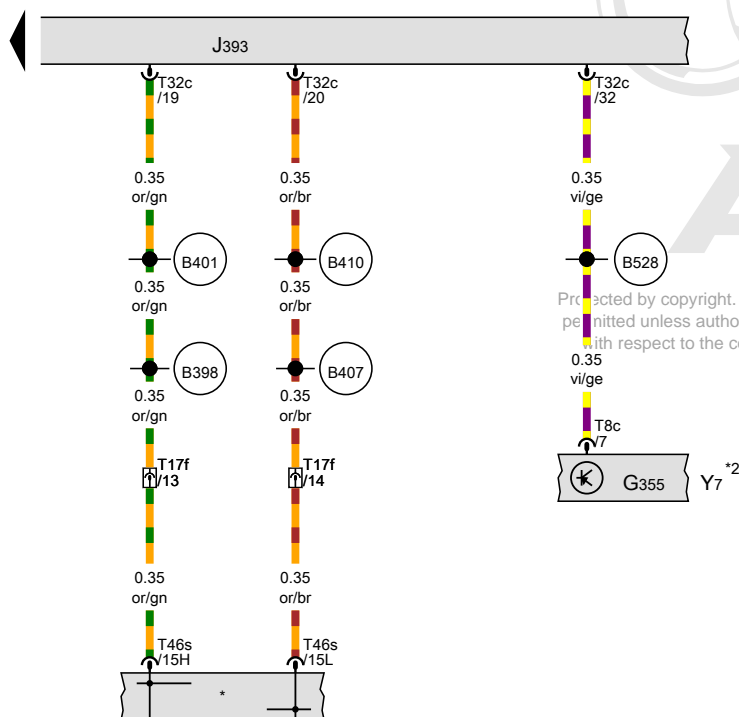


# Humidity Sensor, Comfort System Central Control Module, Automatic Dimming Interior Rearview Mirror

- G355 Humidity Sensor
- J393 Comfort System Central Control Module
- T8c 8-Pin Connector
- T17f 17-Pin Connector, Brown
- T32c 32-Pin Connector
- T46s 46-Pin Connector
- Y7 Automatic Dimming Interior Rearview Mirror

- B398 Comfort System CAN Bus High Connection 2 (in Main Wiring Harness)
- B401 Comfort System CAN Bus High Connection 5 (in Main Wiring Harness)
- B407 Comfort System CAN Bus Low Connection 2 (in Main Wiring Harness)
- B410 Comfort System CAN Bus Low Connection 5 (in Main Wiring Harness)
- B528 LIN Bus Connection 1 (in Main Wiring Harness)

- \* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector
- \*2 Refer to Applicable Standard Equipment Wiring Diagram



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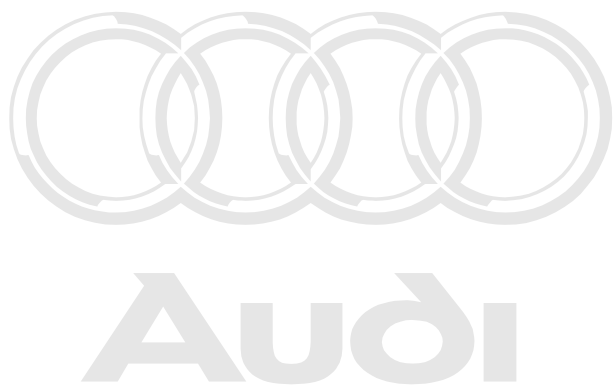
- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

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

[83B-130100518]

**Climate Control, Basic Climatronic**

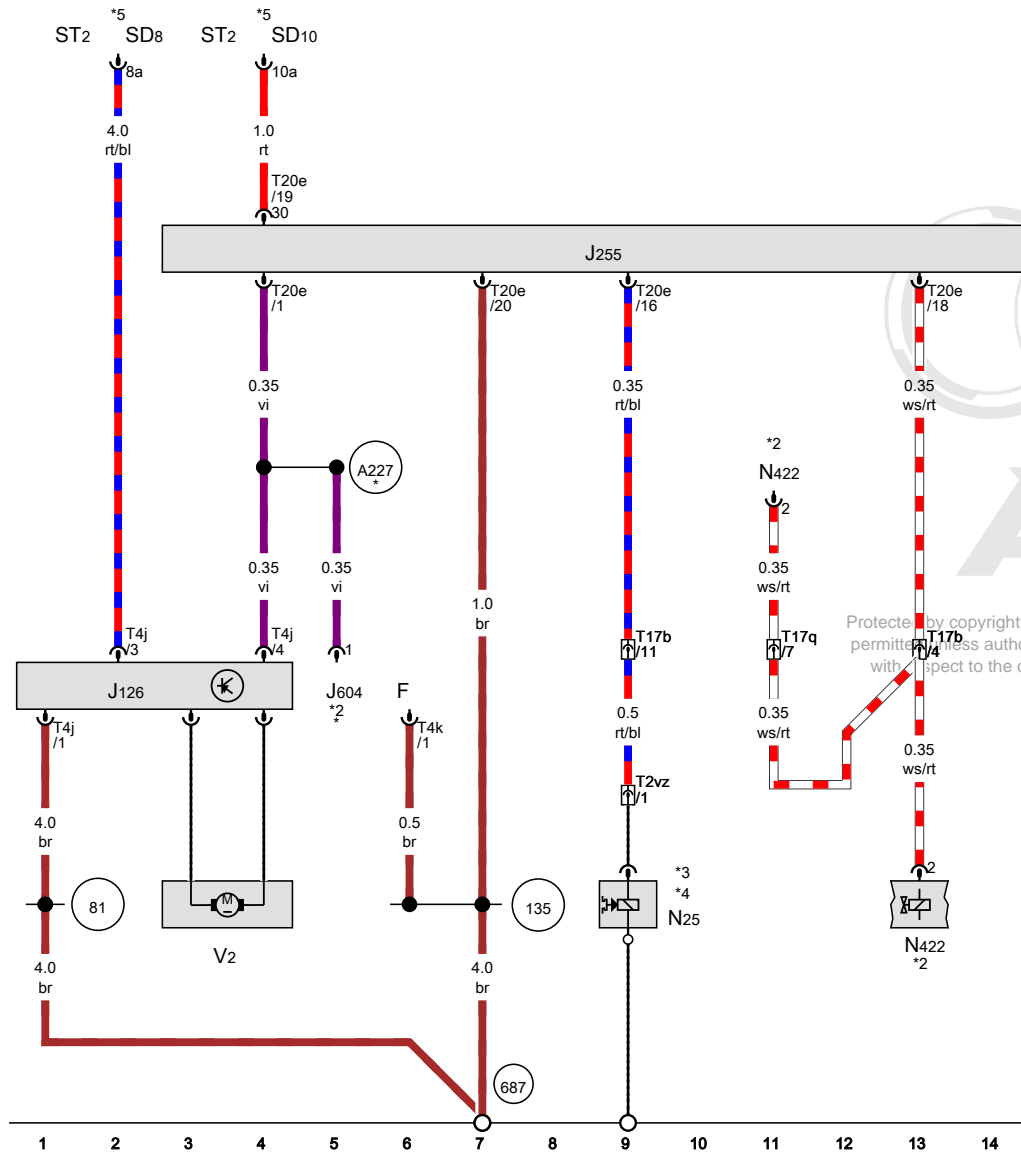
From May 2012



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Fresh Air Blower Control Module, A/C Clutch

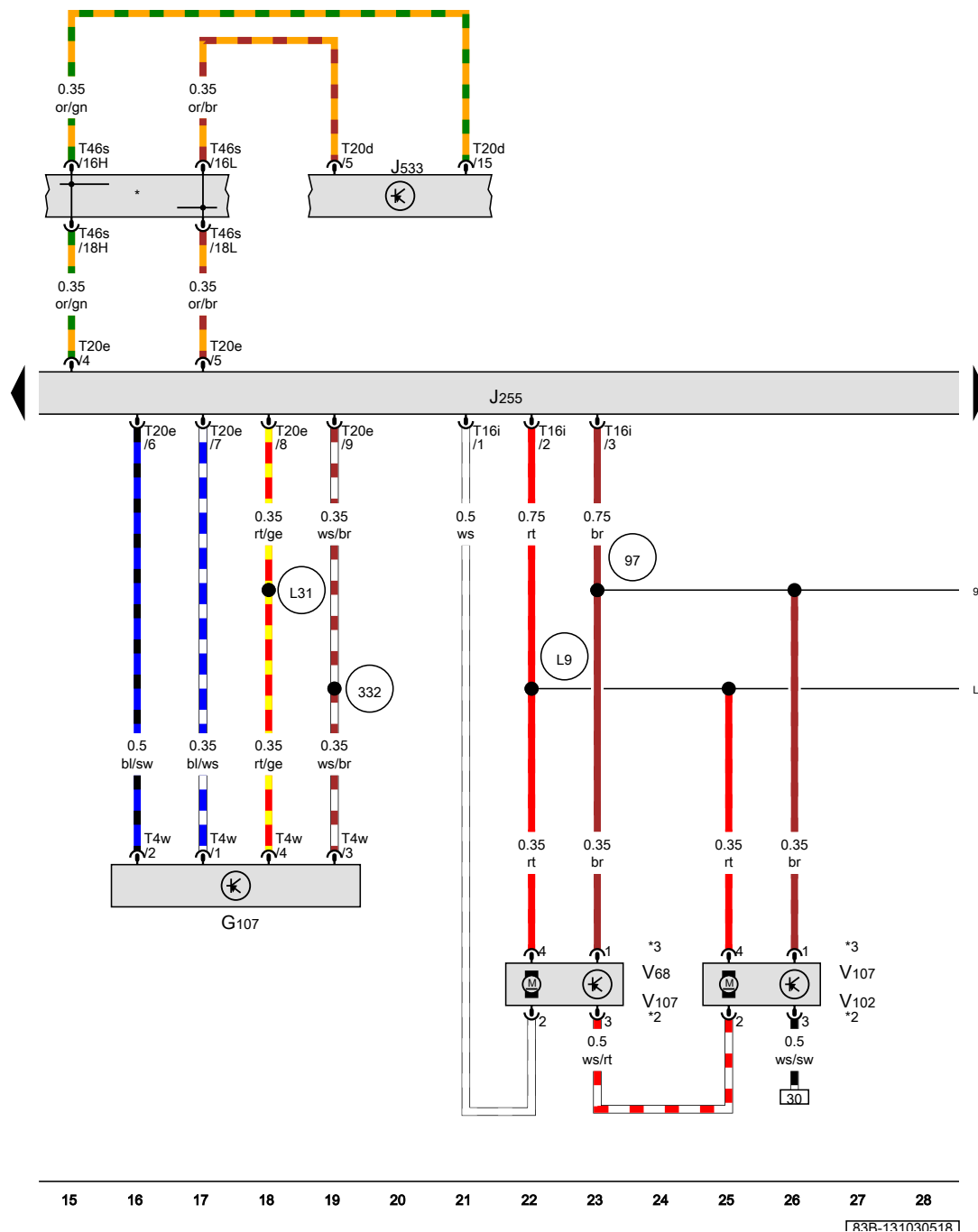


- F Brake Lamp Switch
- J126 Fresh Air Blower Control Module
- J255 Climatronic Control Module
- J604 Auxiliary Heater Control Module
- N25 A/C Clutch
- N422 Climatronic Coolant Shut-Off Valve
- ST2 Fuse Panel 2
- SD8 Fuse 8 (On Fuse Panel D)
- SD10 Fuse 10 (On Fuse Panel D)
- T2vz 2-Pin Connector, Brown
- T4j 4-Pin Connector
- T4k 4-Pin Connector
- T17b 17-Pin Connector, Blue
- T17q 17-Pin Connector, Red
- T20e 20-Pin Connector
- V2 Fresh Air Blower
- 81 Ground Connection 1 (in Instrument Panel Wiring Harness)
- 135 Ground Connection 2 (in Instrument Panel Wiring Harness)
- 687 Ground Connection 1 on Center Tunnel
- A227 LIN Bus Connection 2 (in Instrument Panel Wiring Harness)
- \* For Vehicles with Flex Fuel
- \*2 Refer to Applicable Engine Wiring Diagram
- \*3 For Vehicles with Diesel Engine
- \*4 For Vehicles with a 2.0L Engine
- \*5 Refer to Applicable Wiring Diagram for Fuse Positions

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

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131B-131D05181

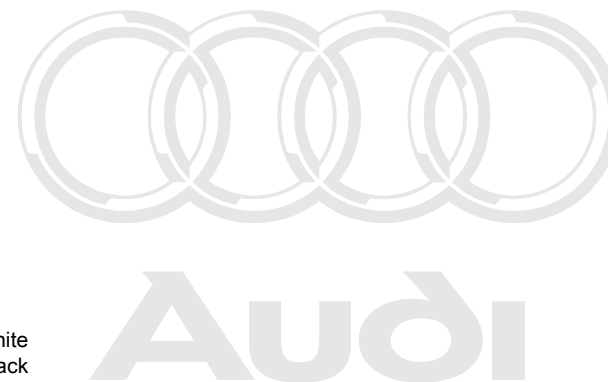


### Center Vent Adjustment Motor

- G107 Sunlight Photo Sensor
- J255 Climatronic Control Module
- J533 Data Bus on Board Diagnostic Interface
- T4w 4-Pin Connector
- T16i 16-Pin Connector
- T20d 20-Pin Connector
- T20e 20-Pin Connector
- T46s 46-Pin Connector
- V68 Temperature Control Door Motor
- V102 Center Vent Adjustment Motor
- V107 Defroster Door Motor

- 97 Ground Connection 1 (in A/C Wiring Harness)
- 332 Ground Connection 4 (in Instrument Panel Wiring Harness)
- L9 Connection 1 (in A/C System Wiring Harness)
- L31 Connection (5 Volt) (in A/C System Wiring Harness)
- \* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector
- \*2 For RHD Vehicles
- \*3 For LHD Vehicles

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



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# Recirculation Door Motor, Footwell Door Motor

- J255 Climatronic Control Module
- V68 Temperature Control Door Motor
- V71 Back Pressure Door Motor
- V102 Center Vent Adjustment Motor
- V113 Recirculation Door Motor
- V261 Footwell Door Motor

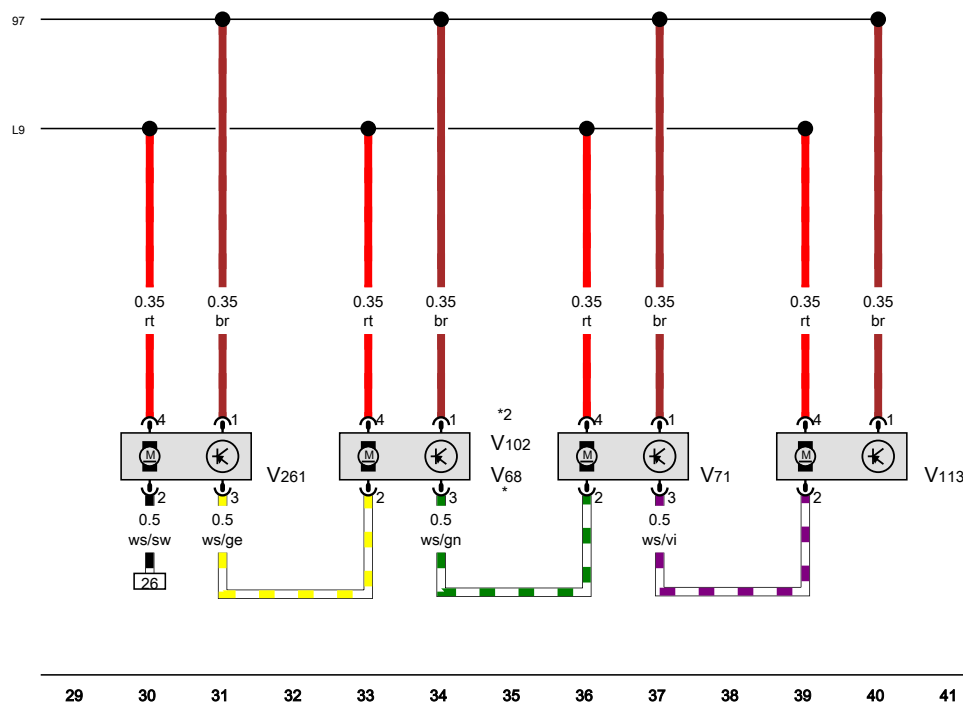
97 Ground Connection 1 (in A/C Wiring Harness)

L9 Connection 1 (in A/C System Wiring Harness)

\* For RHD Vehicles

\*2 For LHD Vehicles

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

183B-1310405181

Center Vent Temperature Sensor, Footwell Vent Temperature Sensor, Evaporator Vent Temperature Sensor, Coolant Recirculation Pump

- G191 Center Vent Temperature Sensor
- G192 Footwell Vent Temperature Sensor
- G263 Evaporator Vent Temperature Sensor
- J255 Climatronic Control Module
- T16i 16-Pin Connector
- T17b 17-Pin Connector, Blue
- T17g 17-Pin Connector, Black
- T17q 17-Pin Connector, Red
- T20e 20-Pin Connector
- V50 Coolant Recirculation Pump

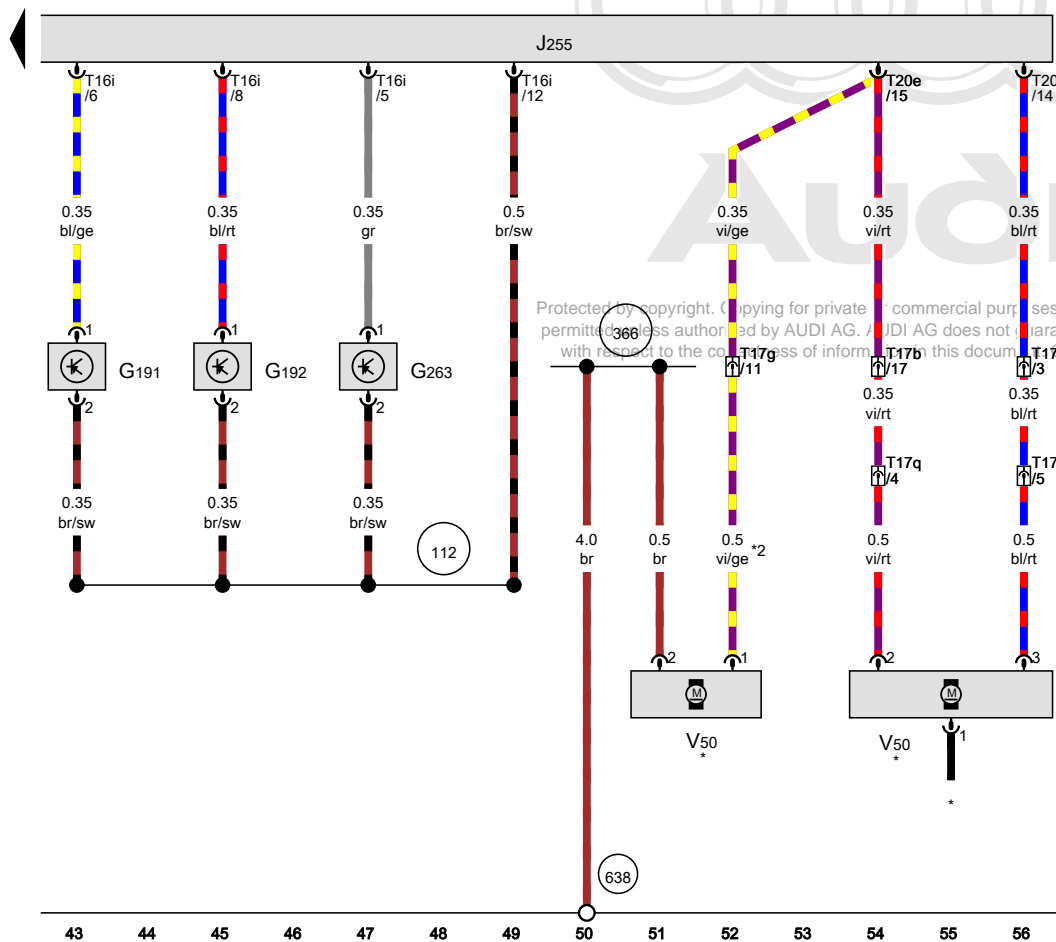
112 Ground Connection 2 (in A/C Wiring Harness)

366 Ground Connection 1 (in Main Wiring Harness)

638 Ground Connection on Right A-Pillar

\* Refer to Applicable Engine Wiring Diagram

\*2 The Color of the Wires Depends on Vehicle Equipment



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

131B-131050518

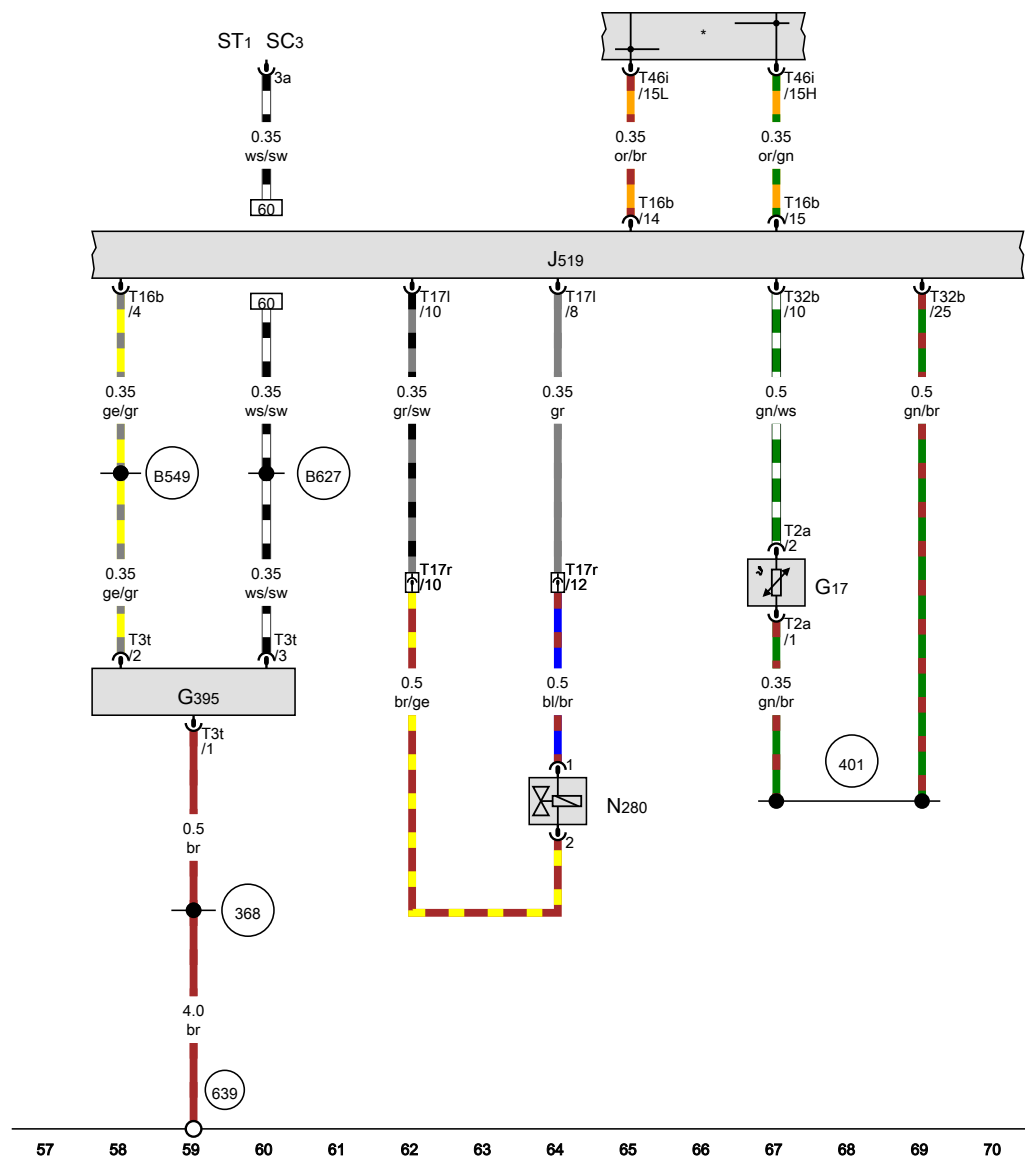
Outside Air Temperature Sensor, A/C Pressure/  
Temperature Sensor 1, A/C Compressor Regulator Valve

- G17 Outside Air Temperature Sensor
- G395 A/C Pressure/Temperature Sensor 1
- J519 Vehicle Electrical System Control Module
- N280 A/C Compressor Regulator Valve
- ST1 Fuse Panel 1
- SC3 Fuse 3 (On Fuse Panel C)
- T2a 2-Pin Connector
- T3t 3-Pin Connector
- T16b 16-Pin Connector
- T17l 17-Pin Connector
- T17r 17-Pin Connector, White
- T32b 32-Pin Connector
- T46i 46-Pin Connector

- 368 Ground Connection 3 (in Main Wiring Harness)
- 401 Sensor Ground Connection (in Interior Wiring Harness)
- 639 Ground Connection on Left A-Pillar
- B549 LIN Bus Connection 2 (in Main Wiring Harness)
- B627 Positive Connection 3 (15) (in Main Wiring Harness)

\* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector

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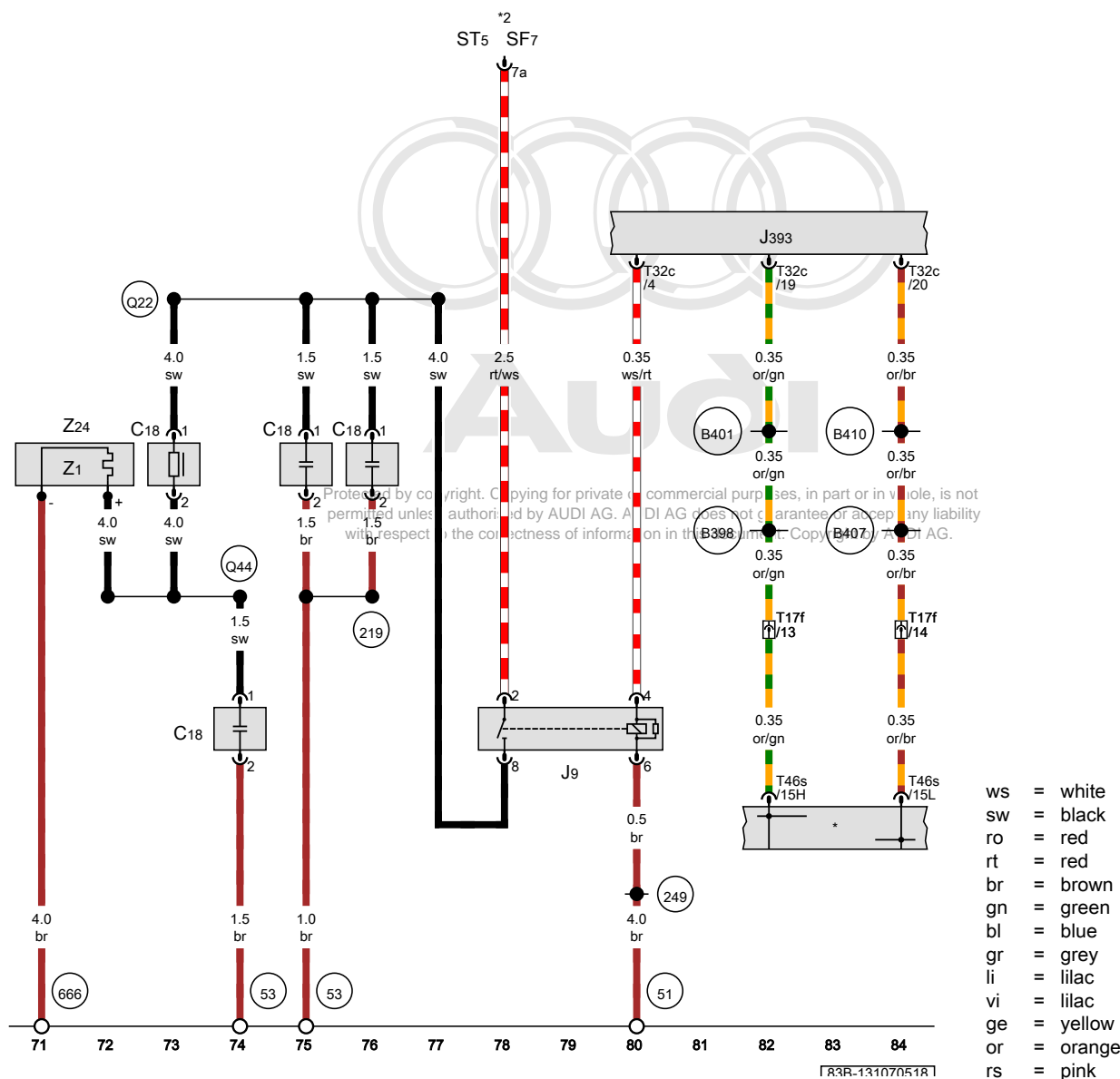
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- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
- ge = yellow
- or = orange
- rs = pink

183B-1310605181

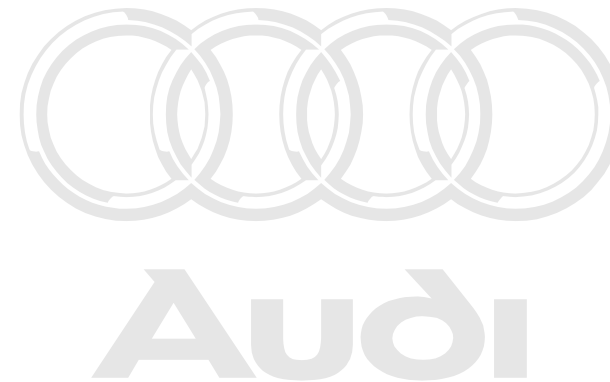
# Rear Window Defogger

- C18 Windshield Antenna Suppression Filter
- J9 Rear Window Defogger Relay
- J393 Comfort System Central Control Module
- ST5 Fuse Panel 5
- SF7 Fuse 7 (On Fuse Panel F)
- T17f 17-Pin Connector, Brown
- T32c 32-Pin Connector
- T46s 46-Pin Connector
- Z1 Rear Window Defogger
- Z24 Rear Window Defogger with Window Antenna

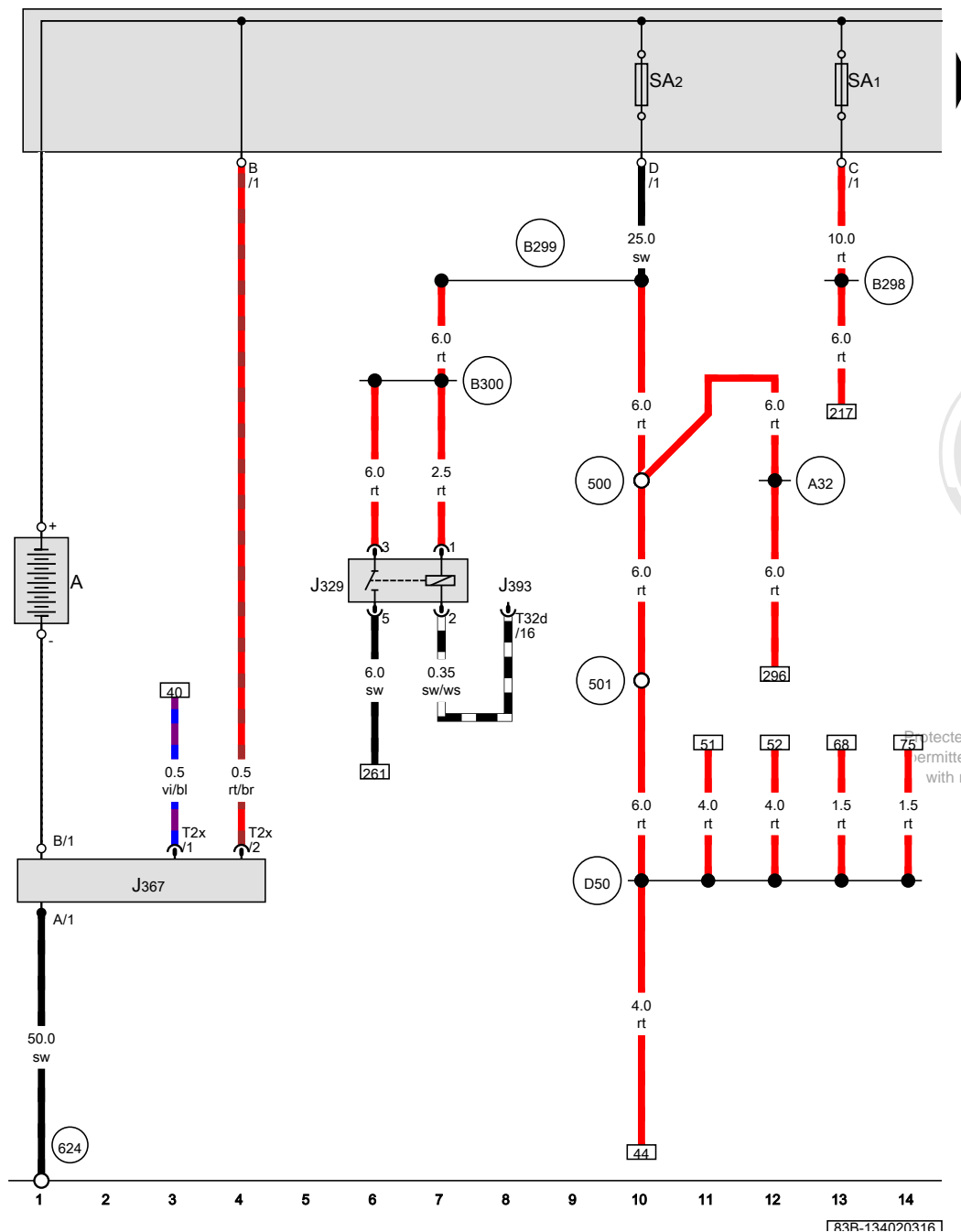
- 51 Ground Connection in Luggage Compartment, Right
- 53 Ground Connection in Rear Lid, Right
- 219 Ground Connection 2 (in Rear Lid Wiring Harness)
- 249 Ground Connection 2 (in Interior Wiring Harness)
- 666 Ground Connection on Roof, Right Rear
- B398 Comfort System CAN Bus High Connection 2 (in Main Wiring Harness)
- B401 Comfort System CAN Bus High Connection 5 (in Main Wiring Harness)
- B407 Comfort System CAN Bus Low Connection 2 (in Main Wiring Harness)
- B410 Comfort System CAN Bus Low Connection 5 (in Main Wiring Harness)
- Q22 Connection 1 (in Rear Lid Wiring Harness)
- Q44 Connection 2 (in Rear Lid Wiring Harness)
- \* Refer to the Applicable Wiring Diagram for CAN Cut-Off Connector
- \*2 Refer to Applicable Wiring Diagram for Fuse Positions



**2.0L gasoline engine , CADA,CDNB,CDNC,CDZA,CPMA,CPMB,CAEB**  
from May 2012



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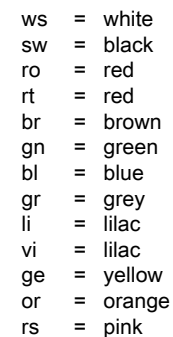


# Battery, Terminal 15 power supply relay

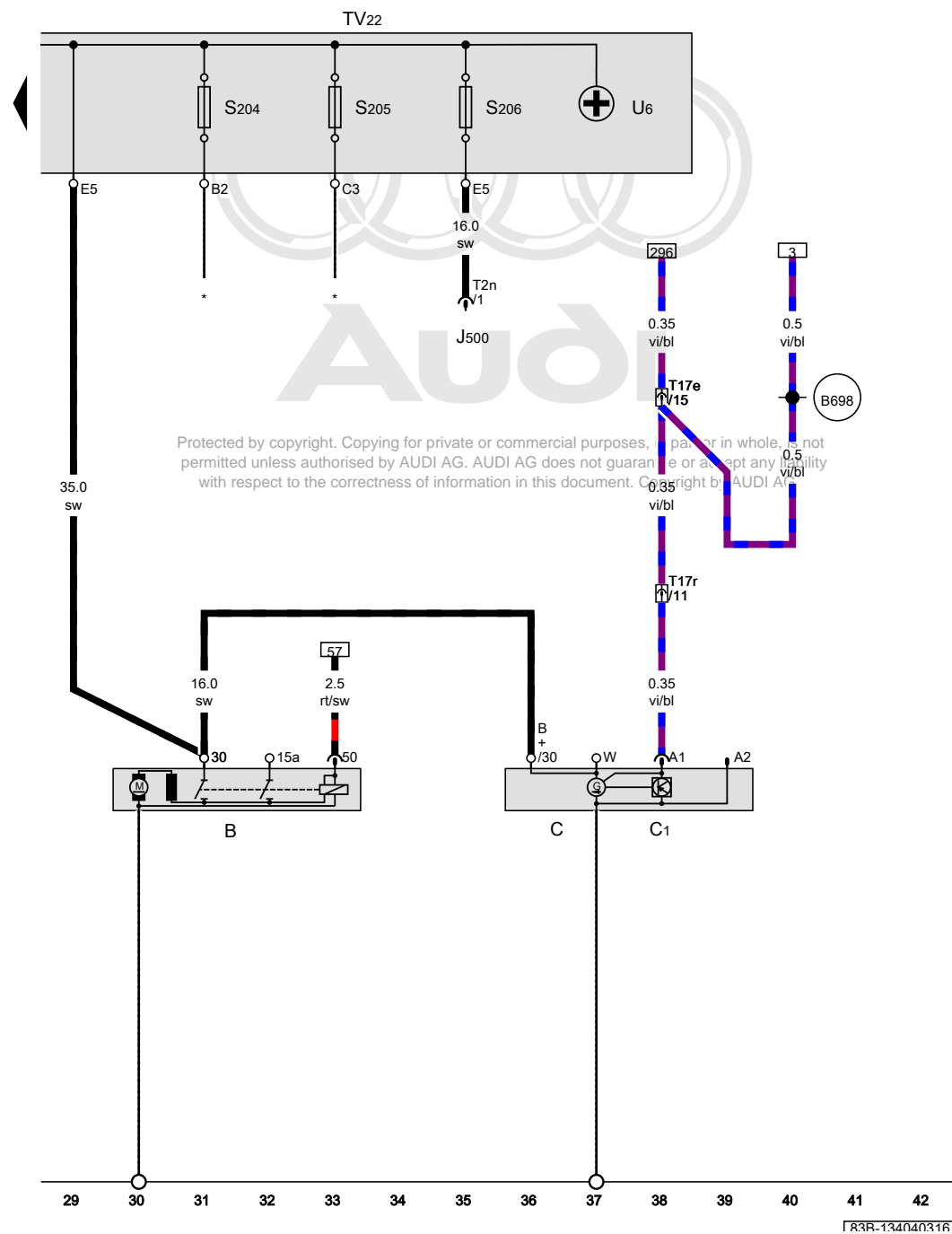
- A Battery
- J329 Terminal 15 power supply relay
- J367 Battery monitoring control module
- J393 Comfort system central control module
- SA1 Fuse 1 (on fuse panel A)
- SA2 Fuse 2 (on fuse panel A)
- T2x 2-pin connector
- T32d 32-pin connector
- 500 Terminal 30 threaded connection 1 (on relay panel)
- 501 Terminal 30 threaded connection 2 (on relay panel)
- 624 Ground connection near starter battery
- A32 Positive connection (30) (in instrument panel wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)
- B299 Positive connection 3 (30) (in main wiring harness)
- B300 Positive connection 4 (30) (in main wiring harness)
- D50 Positive connection (30) (in engine compartment wiring harness)

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C24	Suppressor
J234	Airbag control module
N253	Battery interrupt igniter
T2y	2-pin connector
TV22	Terminal 30 wire junction 2
T100	100-pin connector



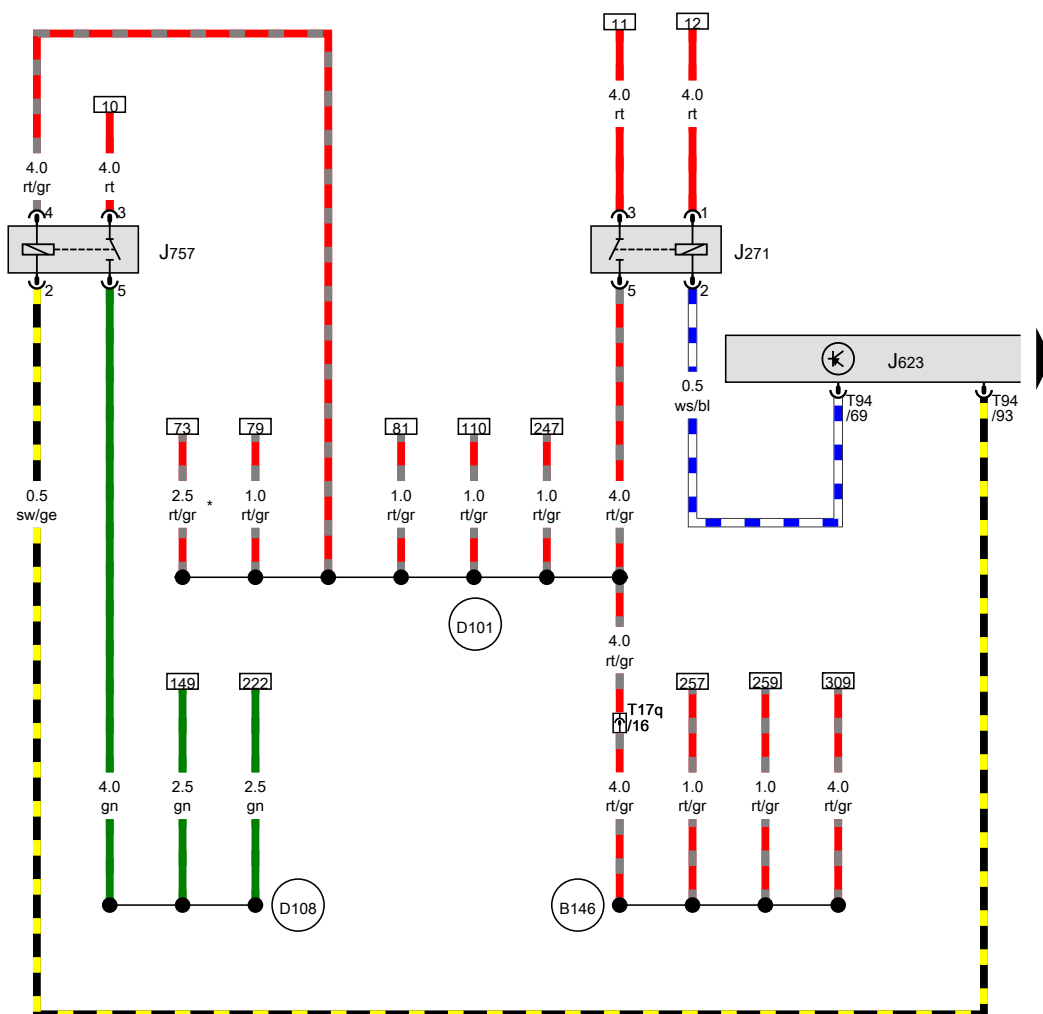
Starter, Generator, Voltage regulator, Terminal 30 wire junction 2, Battery jump start terminal

- B Starter
- C Generator
- C1 Voltage regulator
- J500 Power steering control module
- S204 Fuse 1 (terminal 30)
- S205 Fuse 2 (terminal 30)
- S206 Fuse 3 (terminal 30)
- T2n 2-pin connector
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- TV22 Terminal 30 wire junction 2
- U6 Battery jump start terminal
- B698 LIN bus connection 3 (in main wiring harness)
- \* Refer to applicable radiator fan wiring diagram

Motronic engine control module power supply relay, Engine component power supply relay

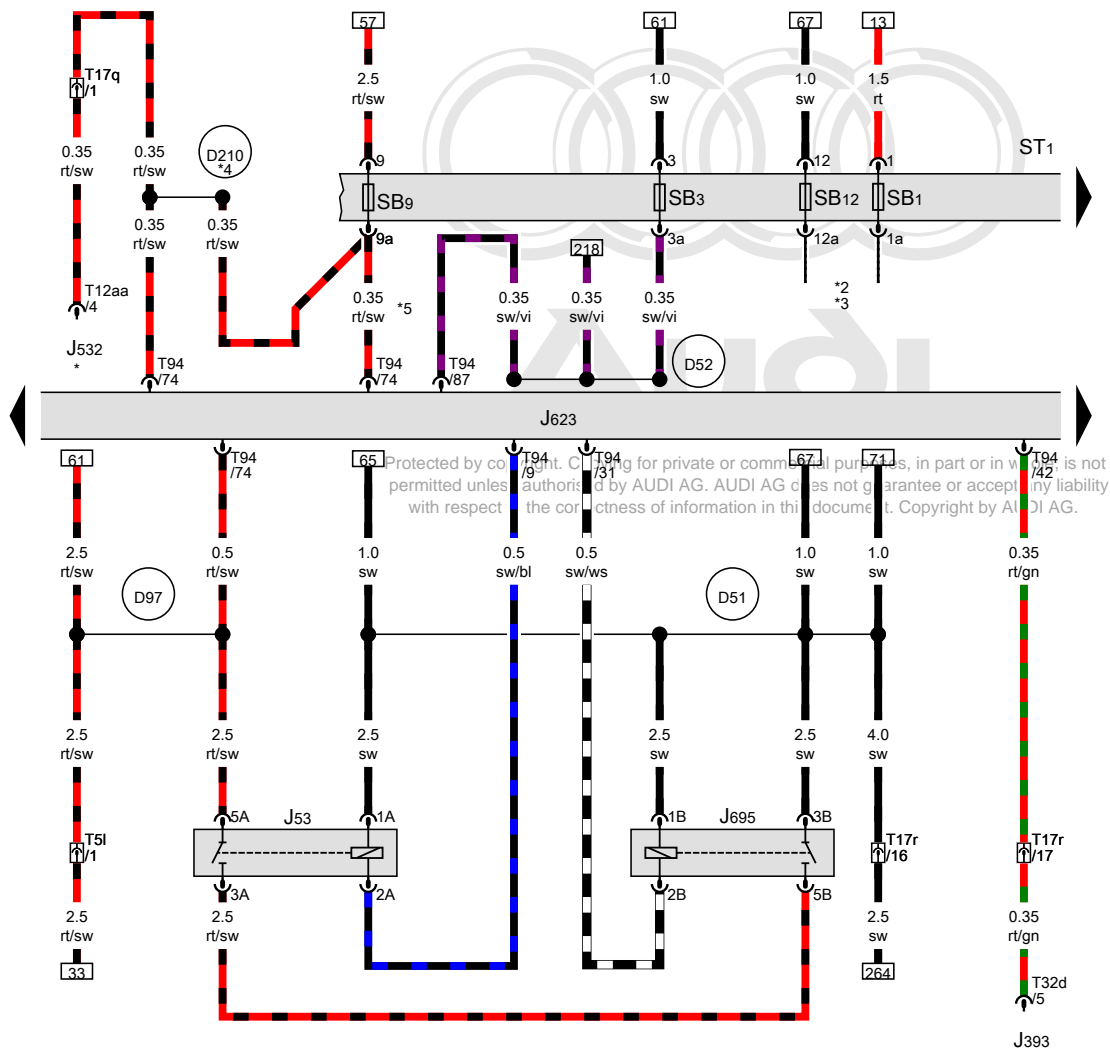
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay
- T17q 17-pin connector, red
- T94 94-pin connector

- B146 Positive connection 1 (87) (in interior wiring harness)
- D101 Connection 1 (in engine compartment wiring harness)
- D108 Connection 6 (in engine compartment wiring harness)
- \* 1.5 diameter possible



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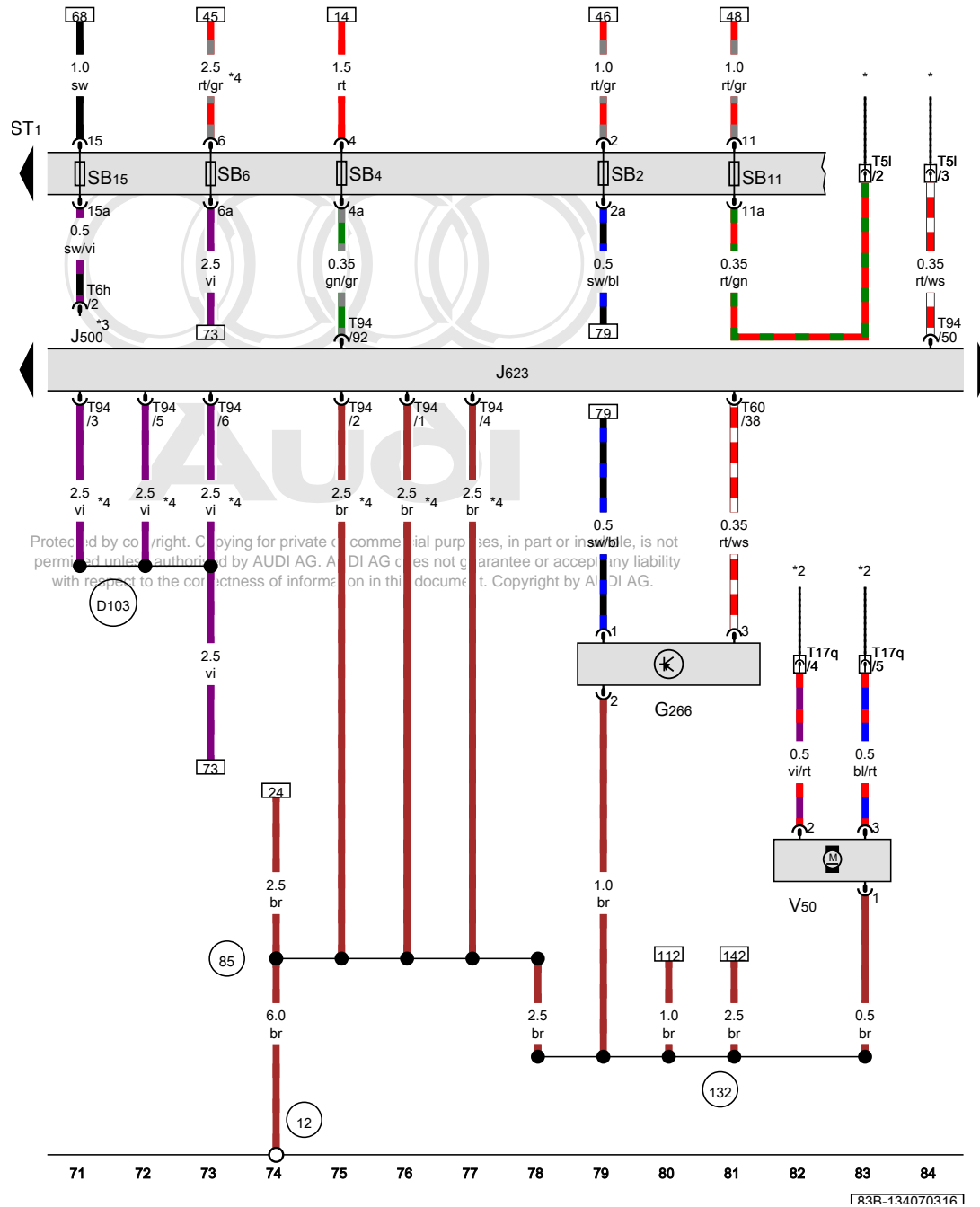
### Starter relay, Starter relay 2, Fuse panel 1

- J53 Starter relay
- J393 Comfort system central control module
- J532 Voltage stabilizer
- J623 Engine control module
- J695 Starter relay 2
- SB1 Fuse 1 (on fuse panel B)
- ST1 Fuse panel 1
- SB3 Fuse 3 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- T5l 5-pin connector, in the engine compartment
- T12aa 12-pin connector
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T32d 32-pin connector
- T94 94-pin connector

- D51 Positive connection 1 (15) (in engine compartment wiring harness)
- D52 Positive connection (15a) (in engine compartment wiring harness)
- D97 Connection 50 (in right engine compartment wiring harness)
- D210 Connection 50 (in engine compartment wiring harness)

- \* Only for vehicles with Stop/Start system
- \*2 Only for vehicles with automatic transmission
- \*3 Refer to applicable transmission wiring diagram
- \*4 Only for vehicles with Start/Stop system
- \*5 Only for vehicles without Start/Stop system

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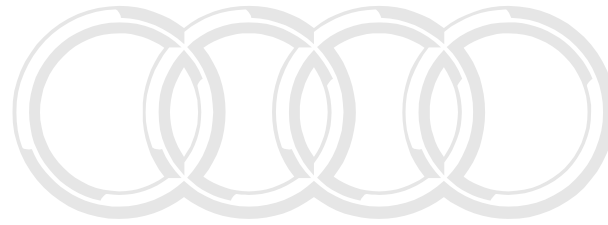


# Oil level thermal sensor, Fuse panel 1, Coolant recirculation pump

- G266 Oil level thermal sensor
- J500 Power steering control module
- J623 Engine control module
- ST1 Fuse panel 1
- SB2 Fuse 2 (on fuse panel B)
- SB4 Fuse 4 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- T5l 5-pin connector
- T6h 6-pin connector
- T17q 17-pin connector, red
- T60 60-pin connector
- T94 94-pin connector
- V50 Coolant recirculation pump

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- D103 Connection 3 (in engine compartment wiring harness)
- \* Refer to applicable radiator fan wiring diagram
- \*2 Refer to applicable A/C system wiring diagram
- \*3 Refer to applicable wiring diagram
- \*4 1.5 diameter possible

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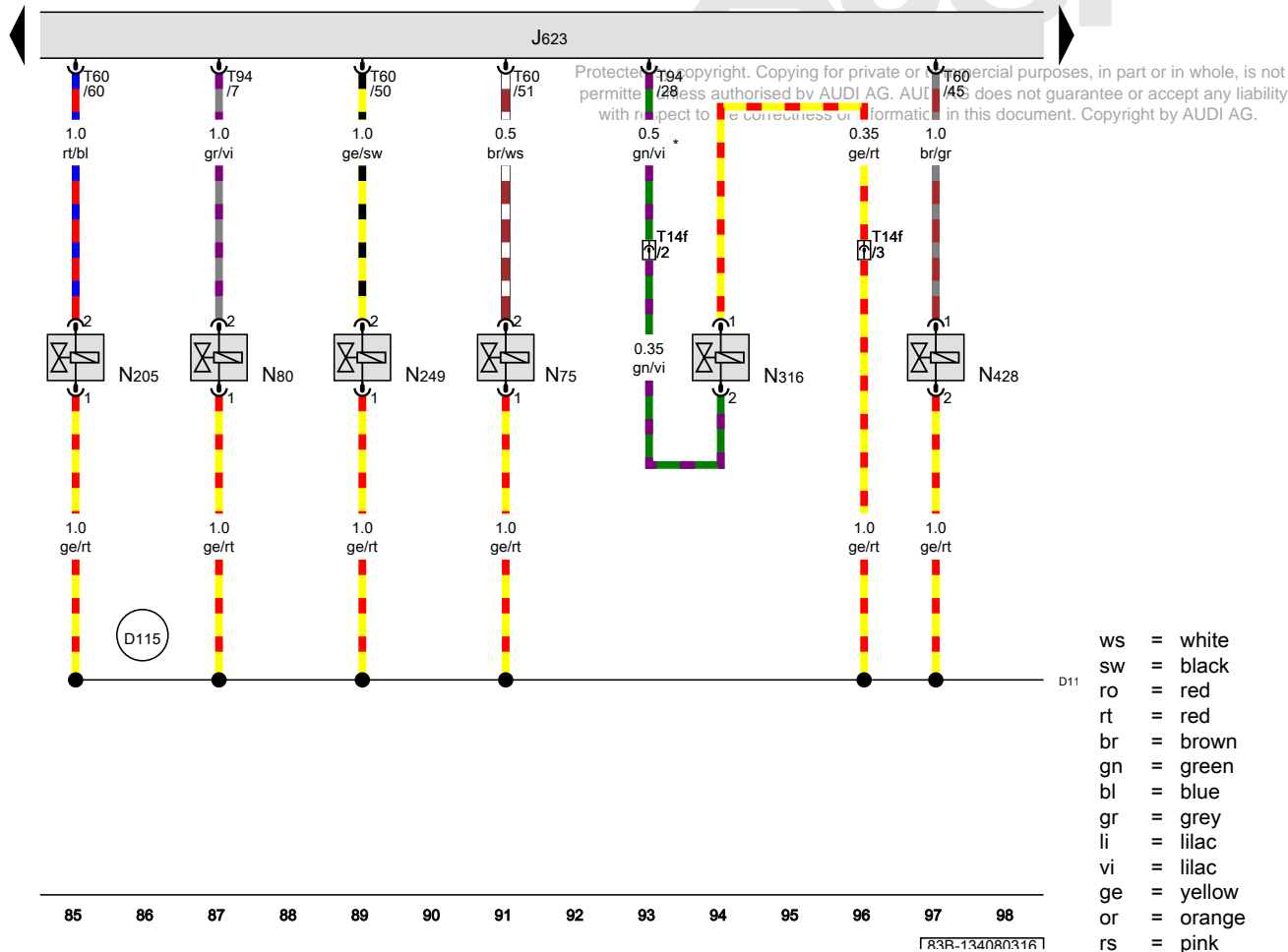
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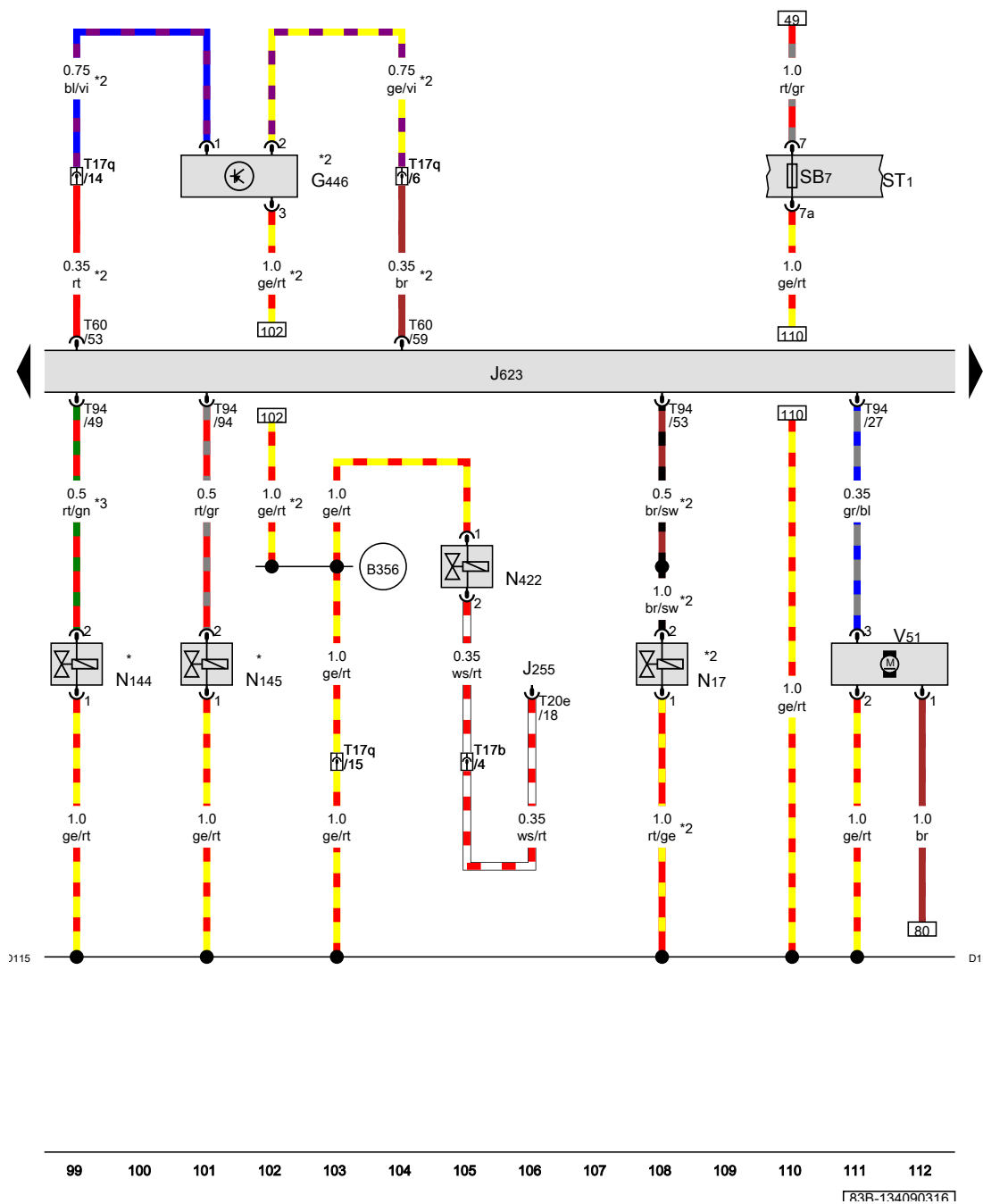
Wastegate bypass regulator valve, EVAP canister purge regulator valve 1, Camshaft adjustment valve 1, Turbocharger recirculation valve, Oil pressure regulation valve

- 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
- T14f 14-pin connector
- T60 60-pin connector
- T94 94-pin connector

D115 Connection 13 (in engine compartment wiring harness)

\* Diameter depends on equipment





Fuel quality sensor, Left electrohydraulic engine mount solenoid valve, Right electrohydraulic engine mount solenoid valve, After-run coolant pump

- G446 Fuel quality sensor
- J255 Climatronic control module
- J623 Engine control module
- N17 Cold start injector
- N144 Left electrohydraulic engine mount solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N422 Climatronic coolant shut-off valve
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- T60 60-pin connector
- T94 94-pin connector
- V51 After-run coolant pump
- B356 Positive connection 7 (87a) (in main wiring harness)
- D115 Connection 13 (in engine compartment wiring harness)
- \* Only for vehicles with automatic transmission
- \*2 Only for vehicles with Flex Fuel
- \*3 Diameter depends on equipment



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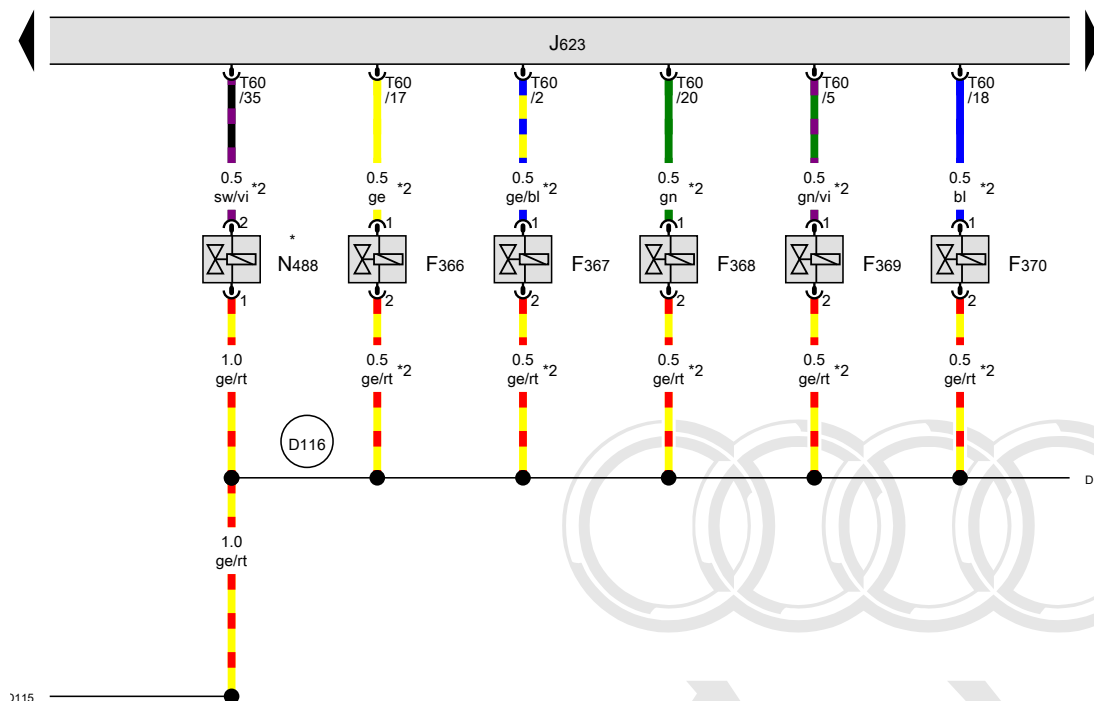
# Cam adjustment actuator 1

- 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
- J623 Engine control module
- N488 Transmission coolant valve
- T60 60-pin connector

D115 Connection 13 (in engine compartment wiring harness)

D116 Connection 14 (in engine compartment wiring harness)

- \* Only for vehicles with a manual transmission
- \*2 Diameter depends on equipment



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Cam adjustment actuator 6, Cam adjustment actuator 7,  
Cam adjustment actuator 8, Brake booster pressure sensor,  
Gear recognition sensor

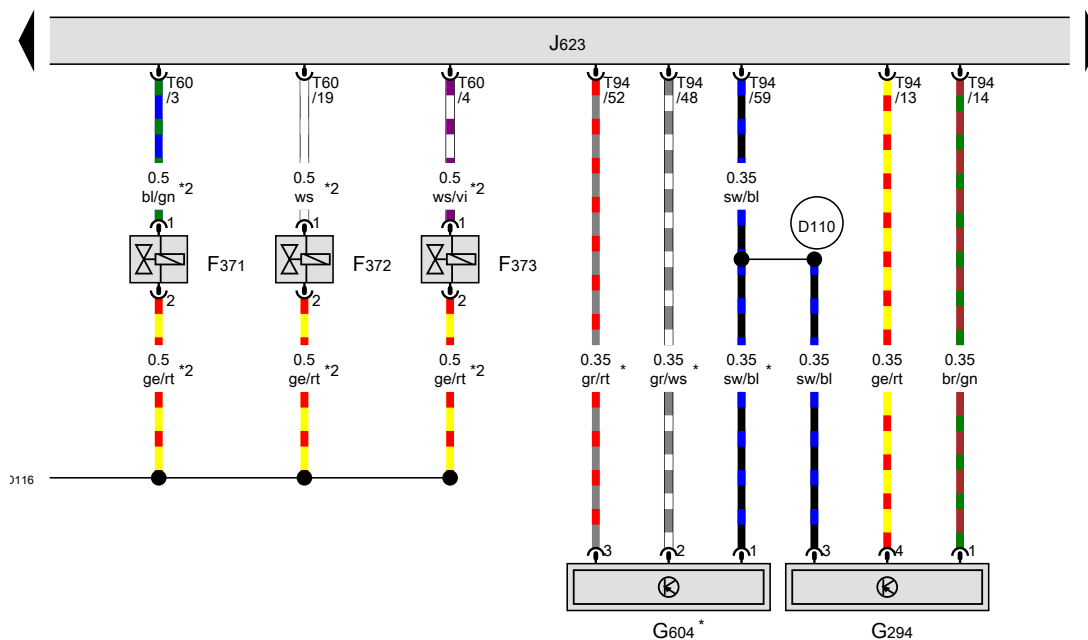
- F371 Cam adjustment actuator 6
- F372 Cam adjustment actuator 7
- F373 Cam adjustment actuator 8
- G294 Brake booster pressure sensor
- G604 Gear recognition sensor
- J623 Engine control module
- T60 60-pin connector
- T94 94-pin connector

D110 Connection 8 (in engine compartment wiring harness)

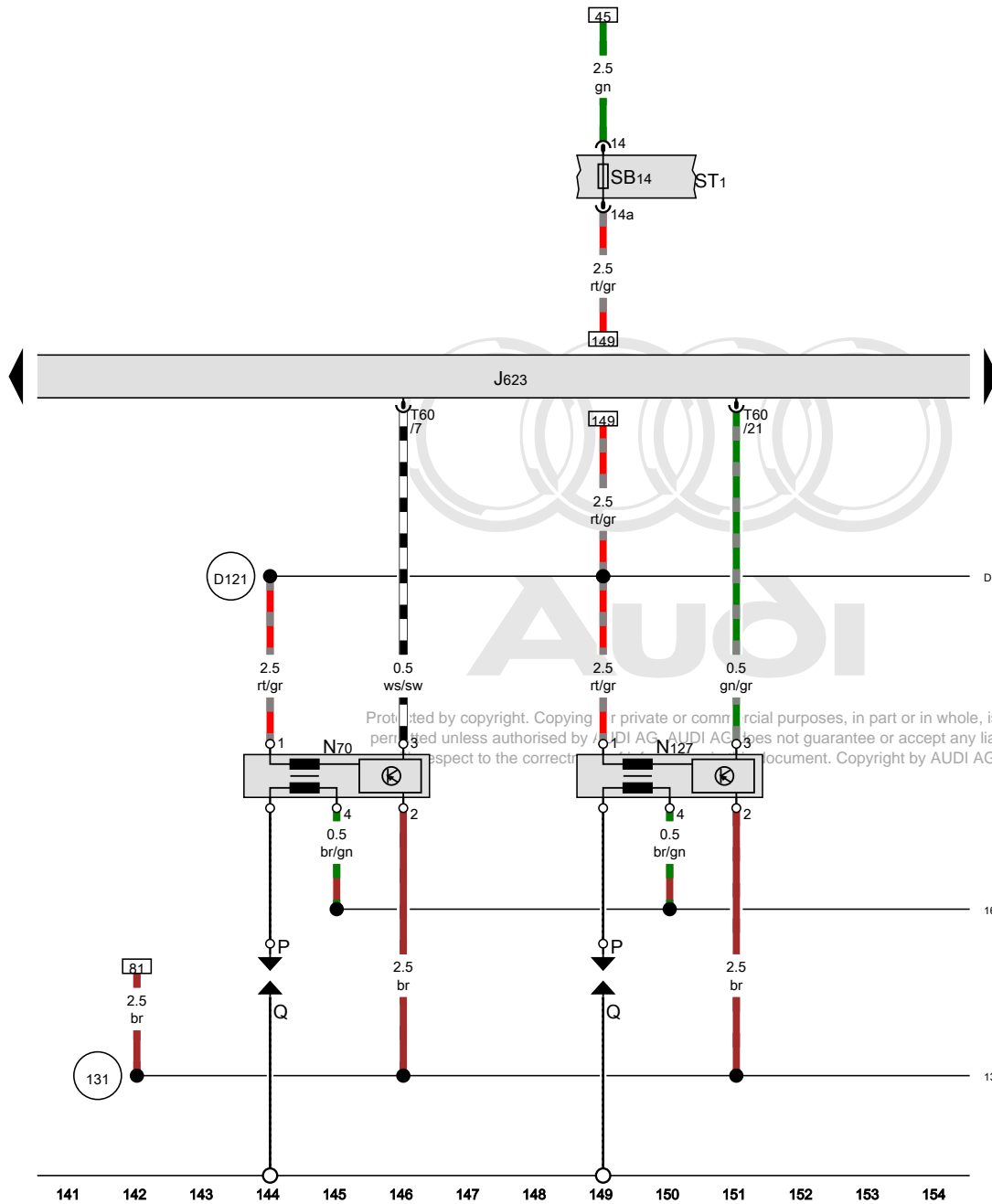
D116 Connection 14 (in engine compartment wiring harness)

\* Only for vehicles with a manual transmission

\*2 Diameter depends on equipment



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# Ignition coil 1 with power output stage, Ignition coil 2 with power output stage

- J623 Engine control module
- N70 Ignition coil 1 with power output stage
- N127 Ignition coil 2 with power output stage
- P Spark plug connectors
- Q Spark plugs
- ST1 Fuse panel 1
- SB14 Fuse 14 (on fuse panel B)
- T60 60-pin connector

- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)

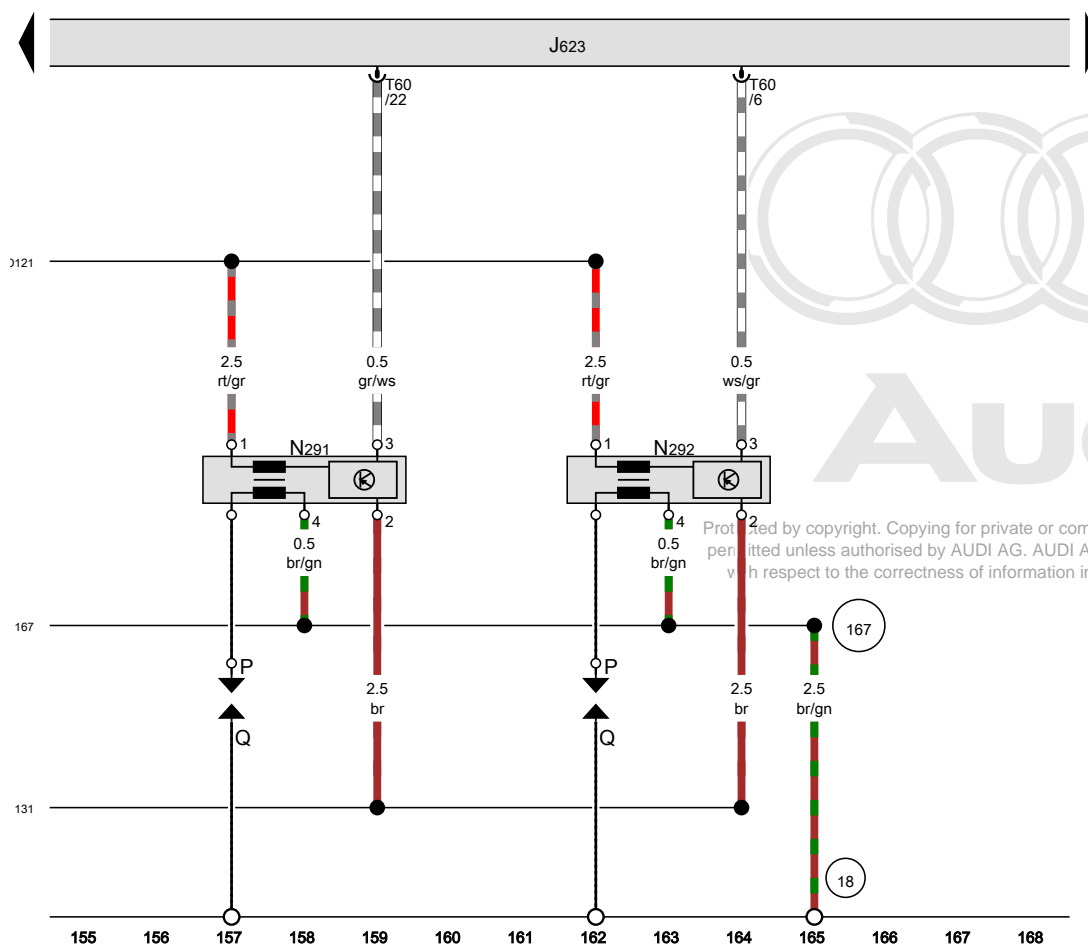
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Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

- J623 Engine control module
- N291 Ignition coil 3 with power output stage
- N292 Ignition coil 4 with power output stage
- P Spark plug connectors
- Q Spark plugs
- T60 60-pin connector

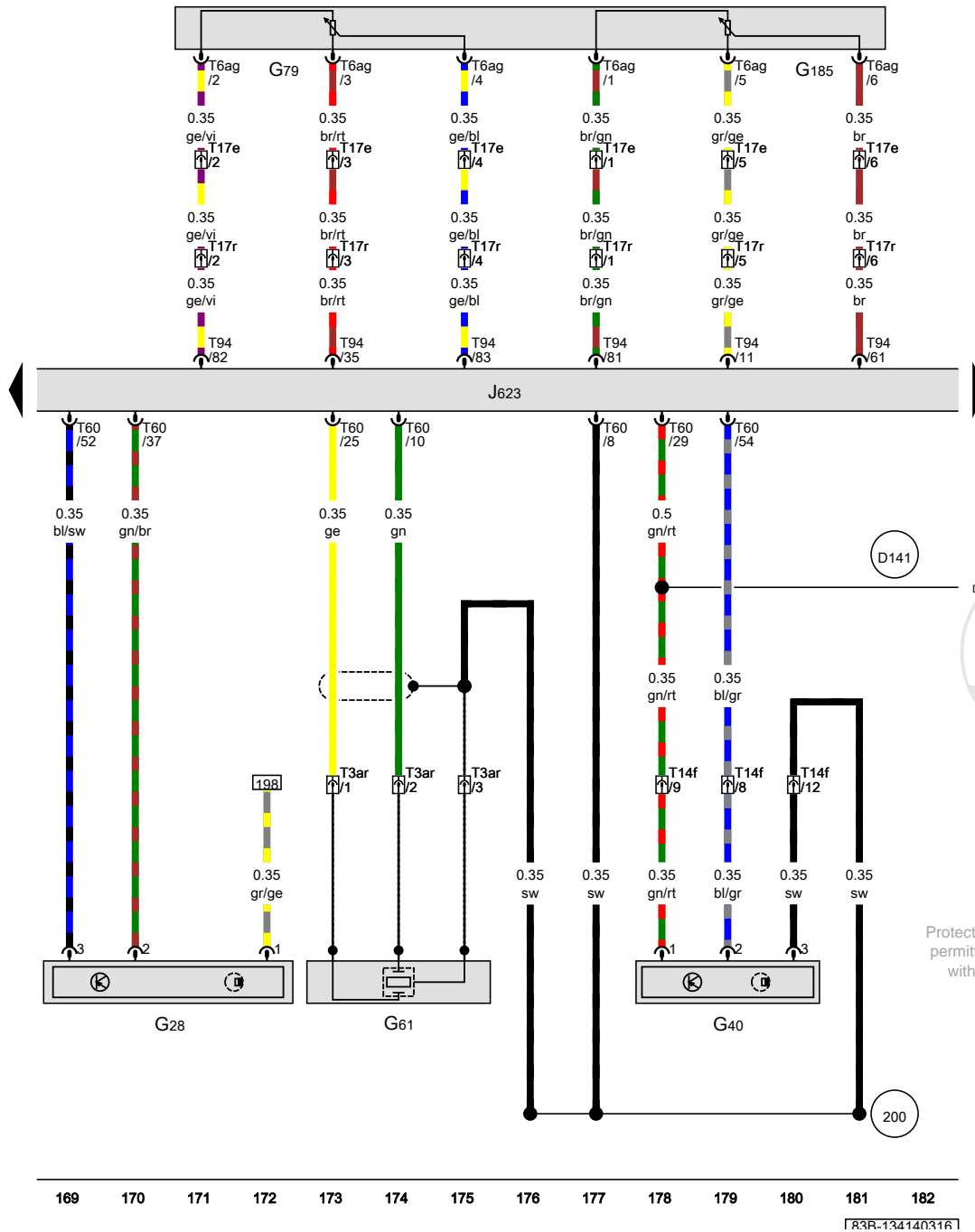
- 18 Ground connection on engine block
- 131 Ground connection 2 (in engine compartment wiring harness)
- 167 Ground connection 4 (in engine compartment wiring harness)
- D121 Connection 19 (in engine compartment wiring harness)



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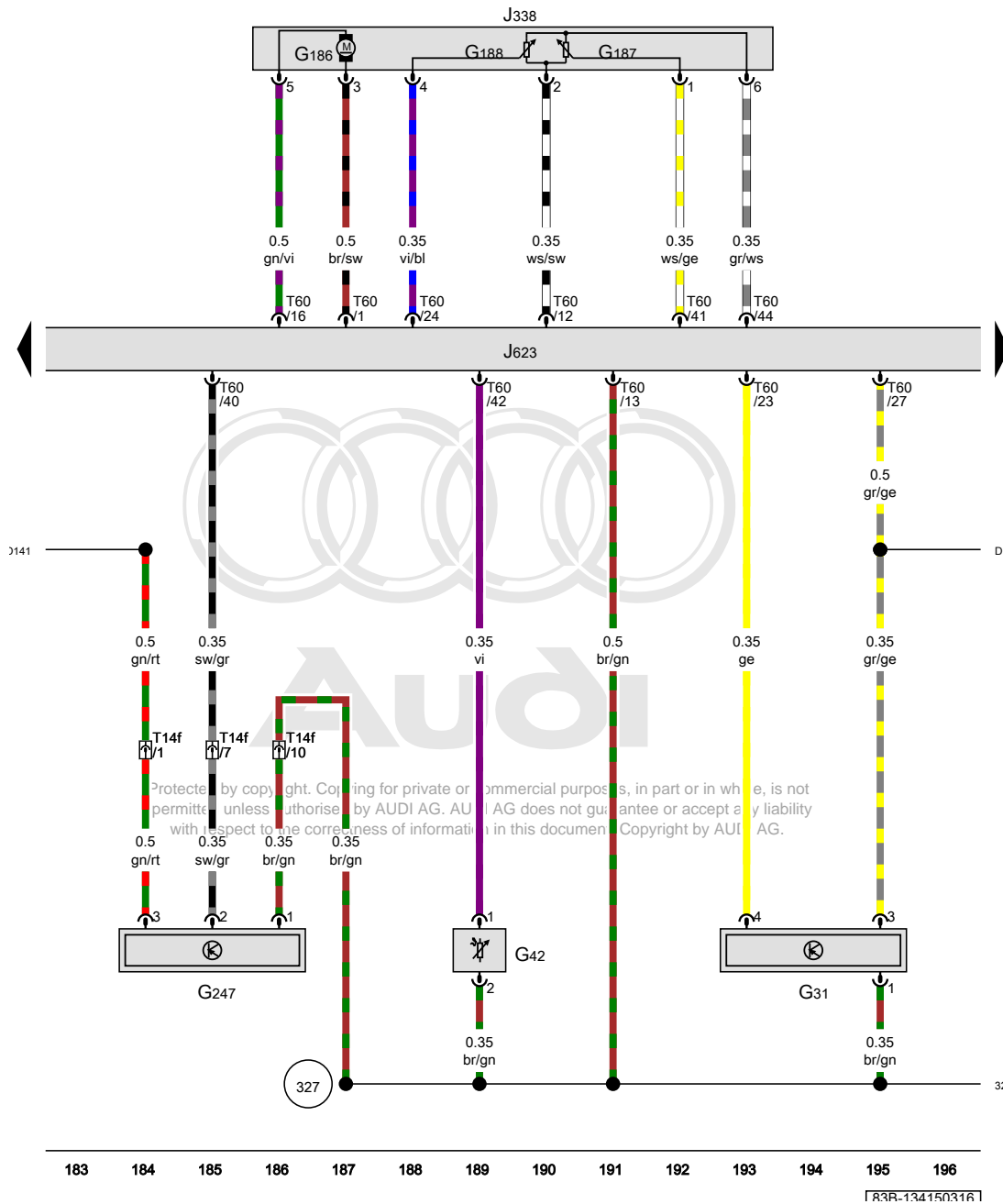


Engine speed sensor, Camshaft position sensor, Accelerator pedal position sensor, Accelerator pedal position sensor 2

- G28 Engine speed sensor
- G40 Camshaft position sensor
- G61 Knock sensor 1
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T3ar 3-pin connector, green
- T6ag 6-pin connector
- T14f 14-pin connector, in the engine compartment
- T17e 17-pin connector, red
- T17r 17-pin connector, white
- T60 60-pin connector
- T94 94-pin connector
- 200 Ground connection shielding (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)

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# Fuel pressure sensor, Throttle valve control module

- G31 Charge air pressure sensor
- G42 Intake air temperature sensor
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- G247 Fuel pressure sensor
- J338 Throttle valve control module
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector

- 327 Sensor ground connection (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)

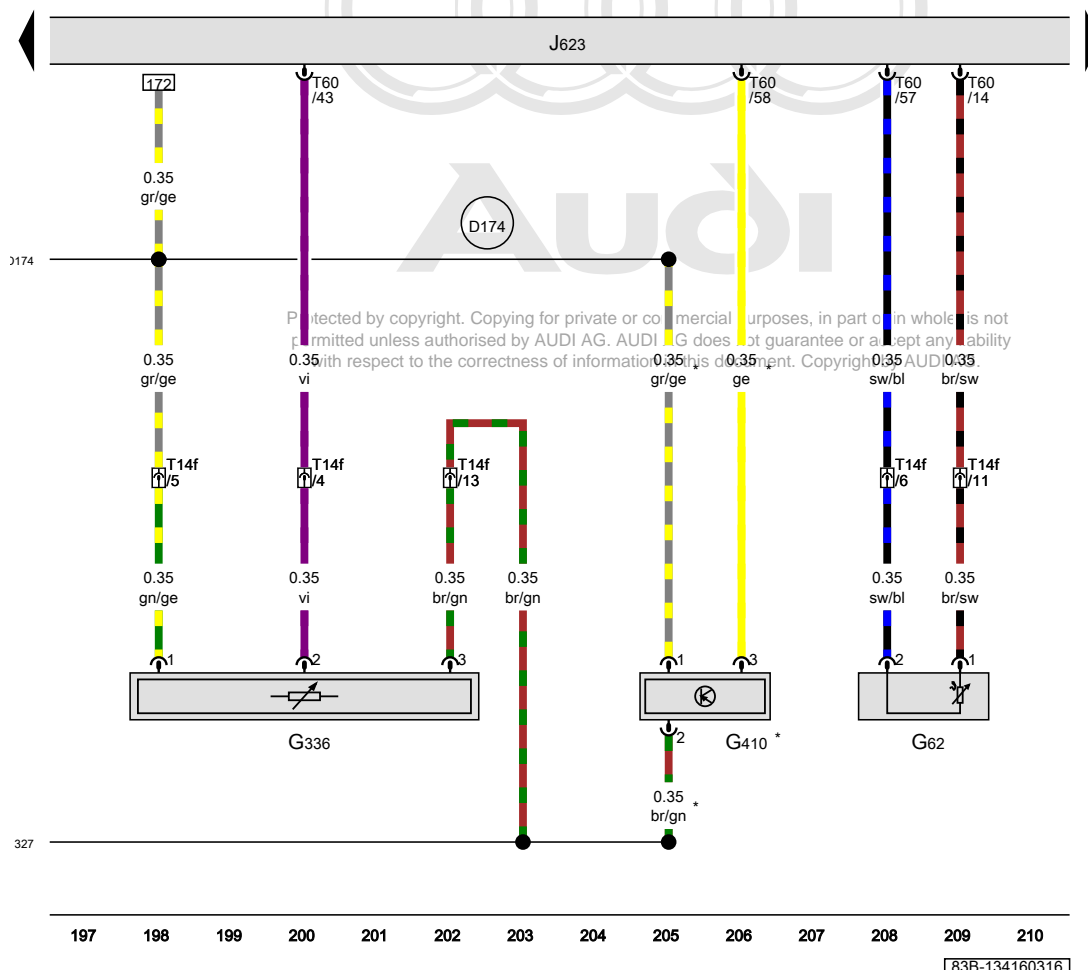
Engine coolant temperature sensor, Intake manifold runner position sensor, Low fuel pressure sensor

- G62 Engine coolant temperature sensor
- G336 Intake manifold runner position sensor
- G410 Low fuel pressure sensor
- J623 Engine control module
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector

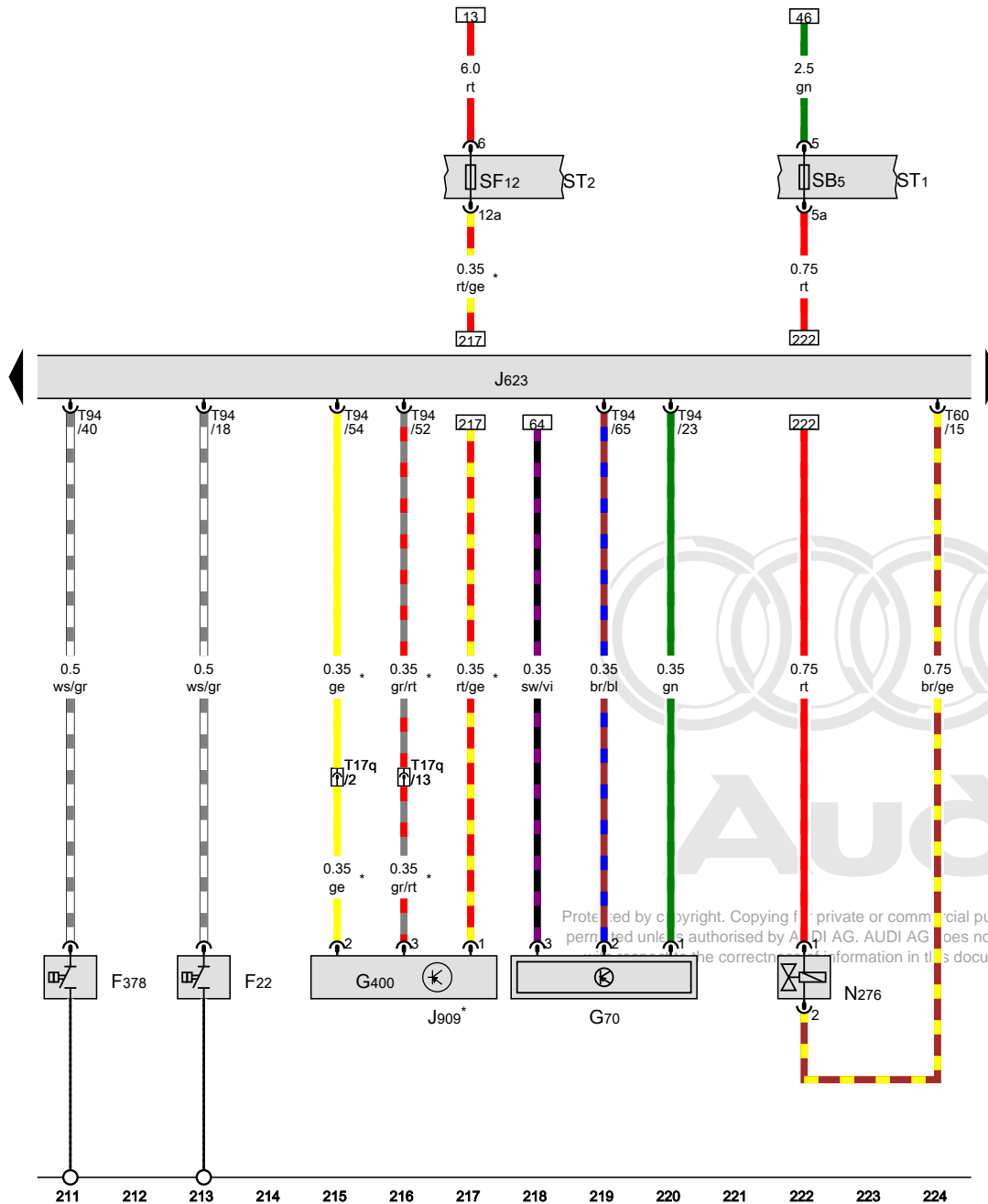
327 Sensor ground connection (in engine compartment wiring harness)

D174 Connection 2 (5V) (in engine pre-wiring harness)

\* Only for vehicles with Flex Fuel



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Oil pressure switch, Reduced oil pressure switch, Mass airflow sensor, Fuel tank pressure sensor, Fuel tank leak detection control module, Fuel pressure regulator valve

- F22 Oil pressure switch
- F378 Reduced oil pressure switch
- G70 Mass airflow sensor
- G400 Fuel tank pressure sensor
- J623 Engine control module
- J909 Fuel tank leak detection control module
- N276 Fuel pressure regulator valve
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SB5 Fuse 5 (on fuse panel B)
- SF12 Fuse 12 (on fuse panel F)
- T17q 17-pin connector, red
- T60 60-pin connector
- T94 94-pin connector
- \* Only for vehicles with a fuel system diagnostic pump

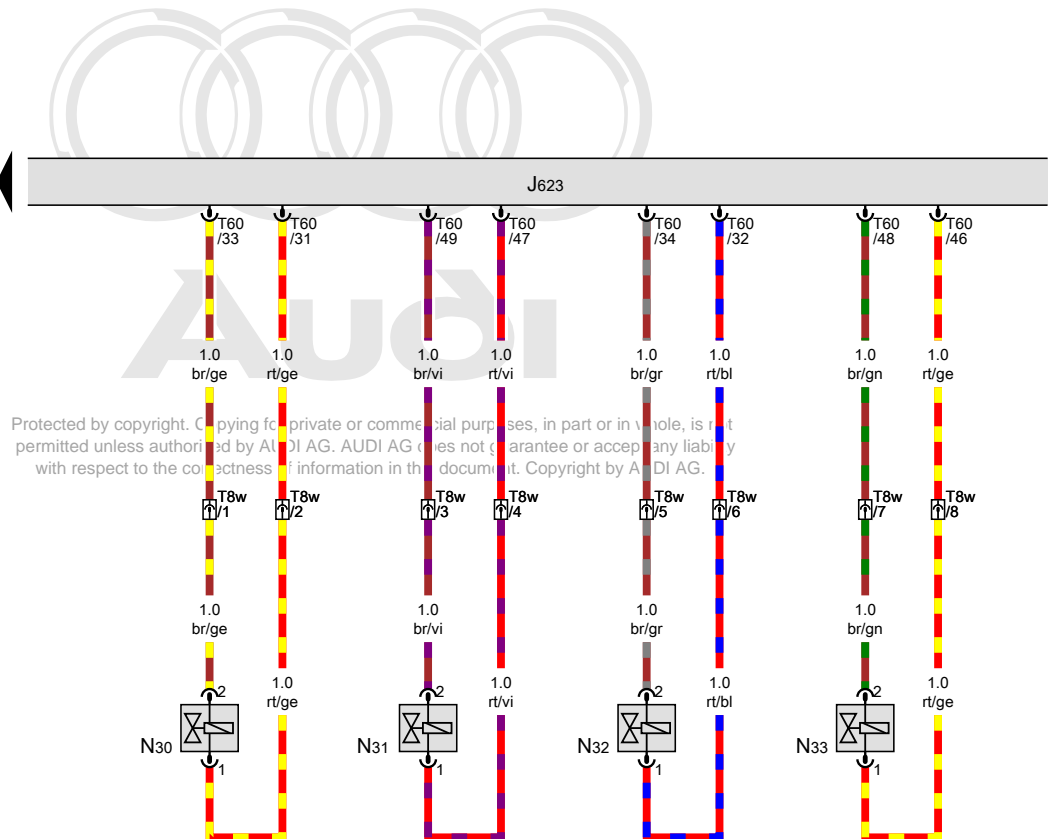
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Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- T8w 8-pin connector, in the engine compartment
- T60 60-pin connector



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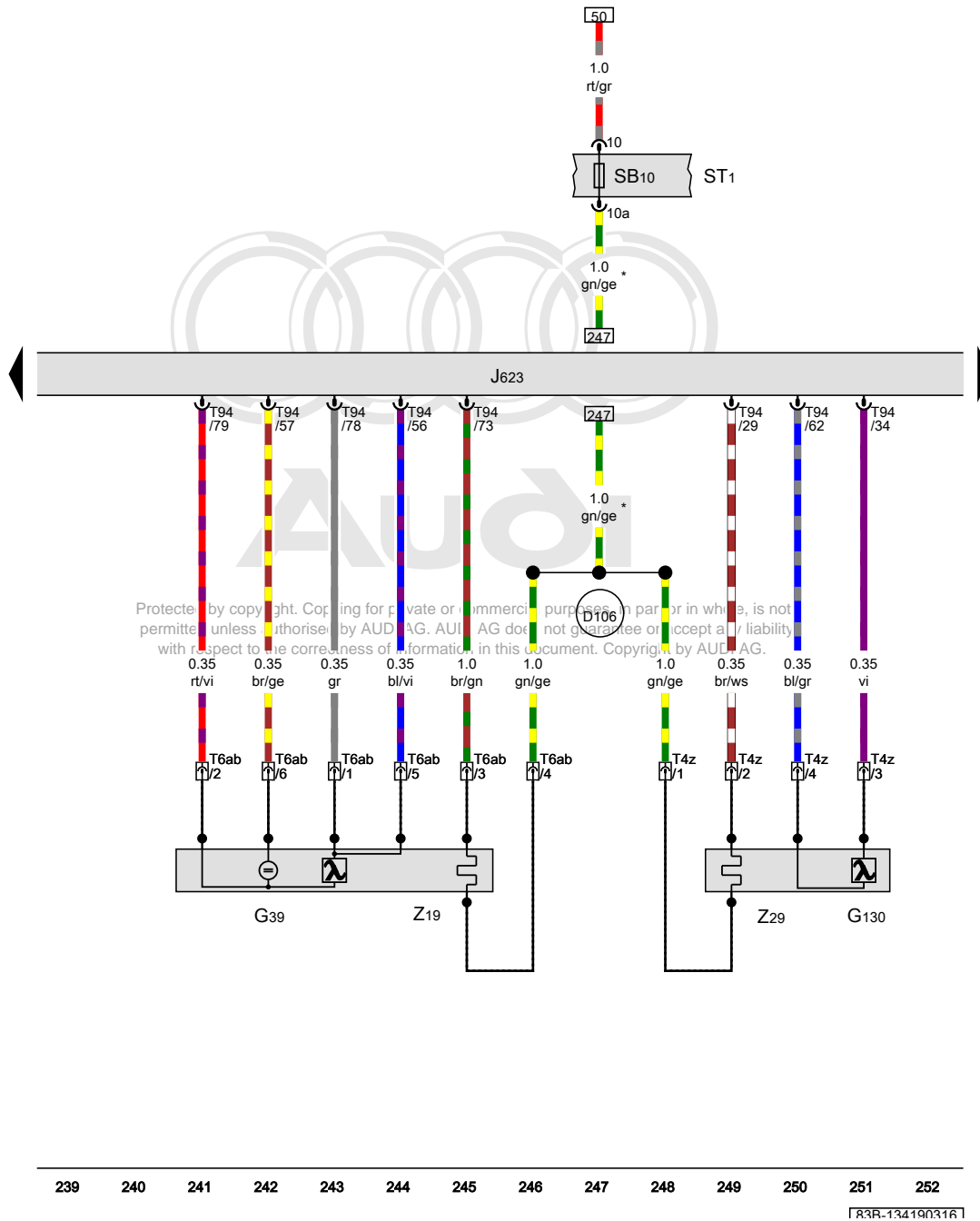
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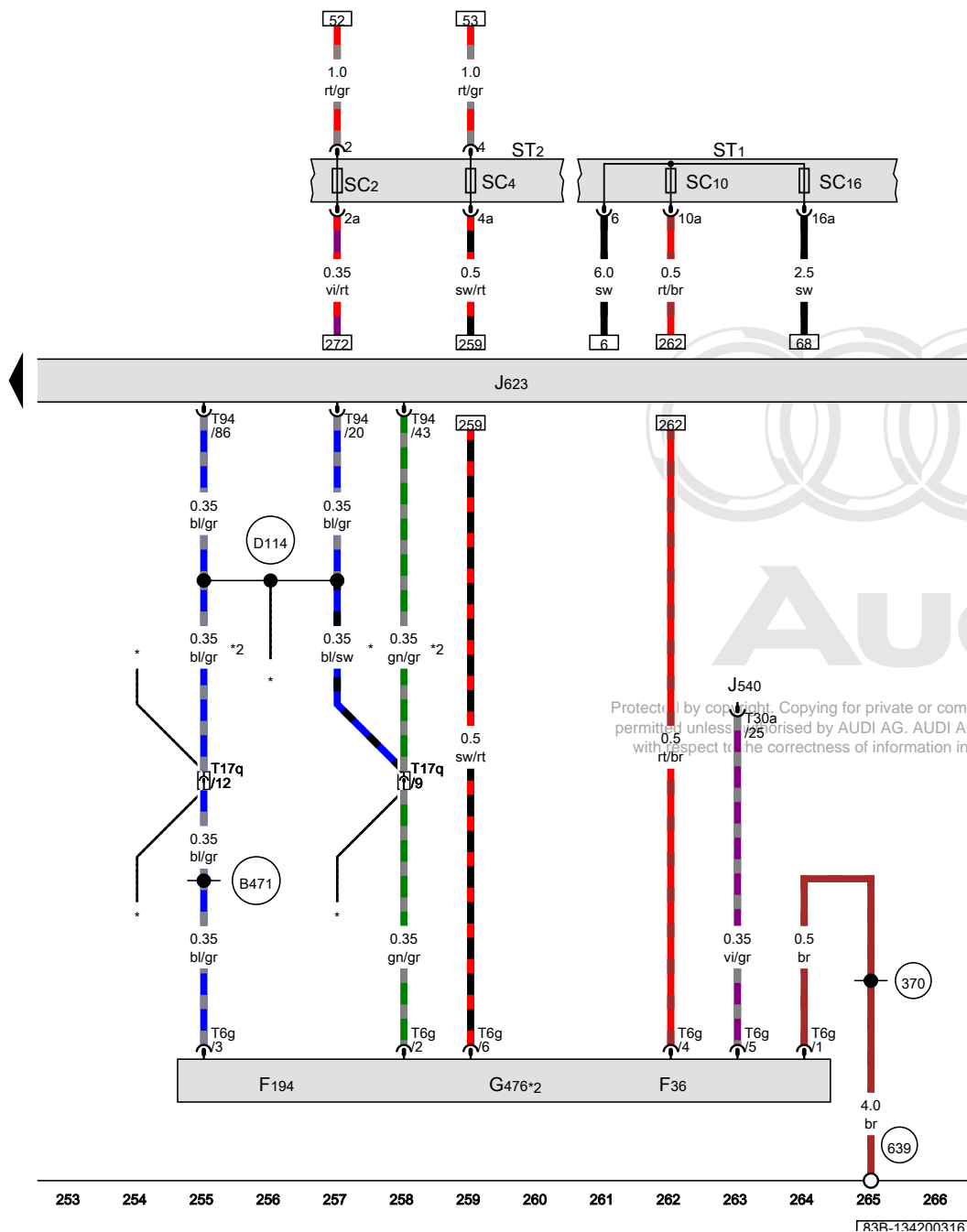
# Heated oxygen sensor, Oxygen sensor after catalytic converter

- G39 Heated oxygen sensor
- G130 Oxygen sensor after catalytic converter
- J623 Engine control module
- ST1 Fuse panel 1
- SB10 Fuse 10 (on fuse panel B)
- T4z 4-pin connector, brown
- T6ab 6-pin connector, black
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- D106 Connection 4 (in engine compartment wiring harness)

\* 1.5 diameter possible



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### Clutch position sensor

- F36 Clutch pedal switch
- F194 Clutch pedal starter interlock switch
- G476 Clutch position sensor
- J540 Electromechanical parking brake control module
- J623 Engine control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC2 Fuse 2 (on fuse panel C)
- SC4 Fuse 4 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- SC16 Fuse 16 (on fuse panel C)
- T6g 6-pin connector
- T17q 17-pin connector, red
- T30a 30-pin connector
- T94 94-pin connector

- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B471 Connection 7 (in main wiring harness)
- D114 Connection 12 (in engine compartment wiring harness)

- \* Refer to applicable wiring diagram for automatic transmission
- \*2 Only for vehicles with a manual transmission

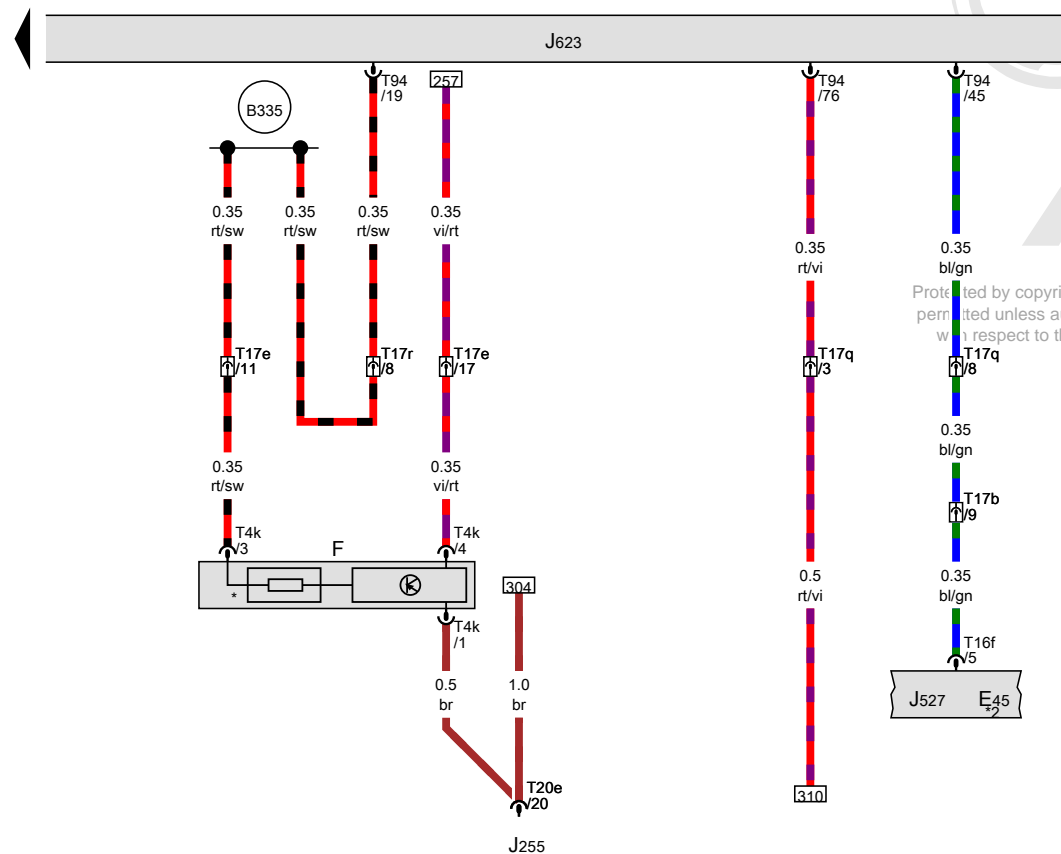
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Brake lamp switch, Steering column electronics control module

- E45 Cruise control switch
- F Brake lamp switch
- J255 Climatronic control module
- J527 Steering column electronics control module
- J623 Engine control module
- T4k 4-pin connector
- T16f 16-pin connector
- T17b 17-pin connector, blue
- T17e 17-pin connector, red
- T17q 17-pin connector, red
- T17r 17-pin connector, white
- T20e 20-pin connector
- T94 94-pin connector

B335 Connection 54 (in main wiring harness) 1

- \* Brake lamp sensor system coil
- \*2 Only for vehicles with cruise control

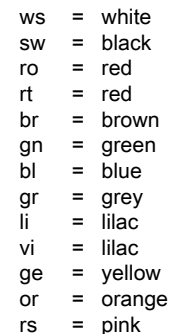


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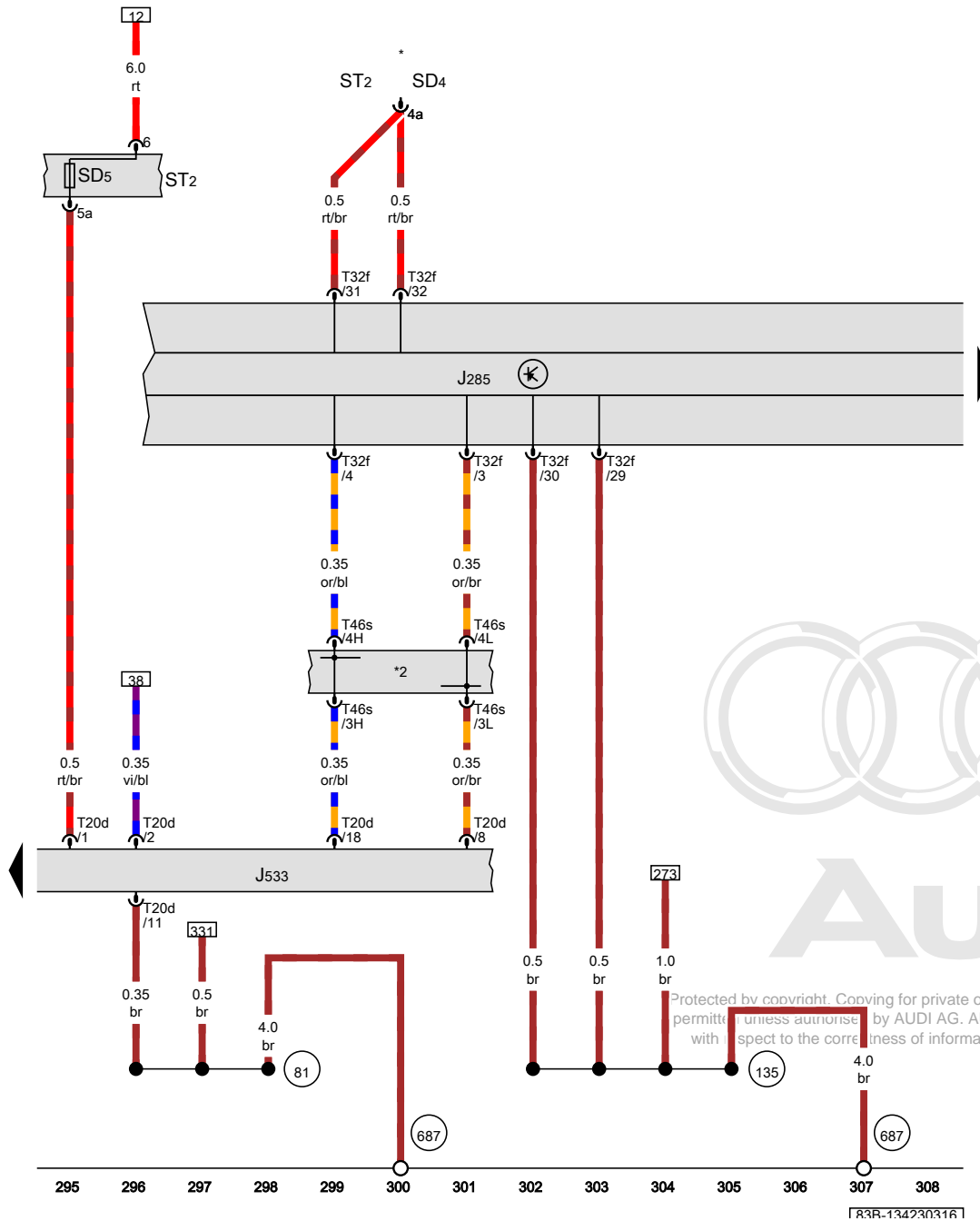
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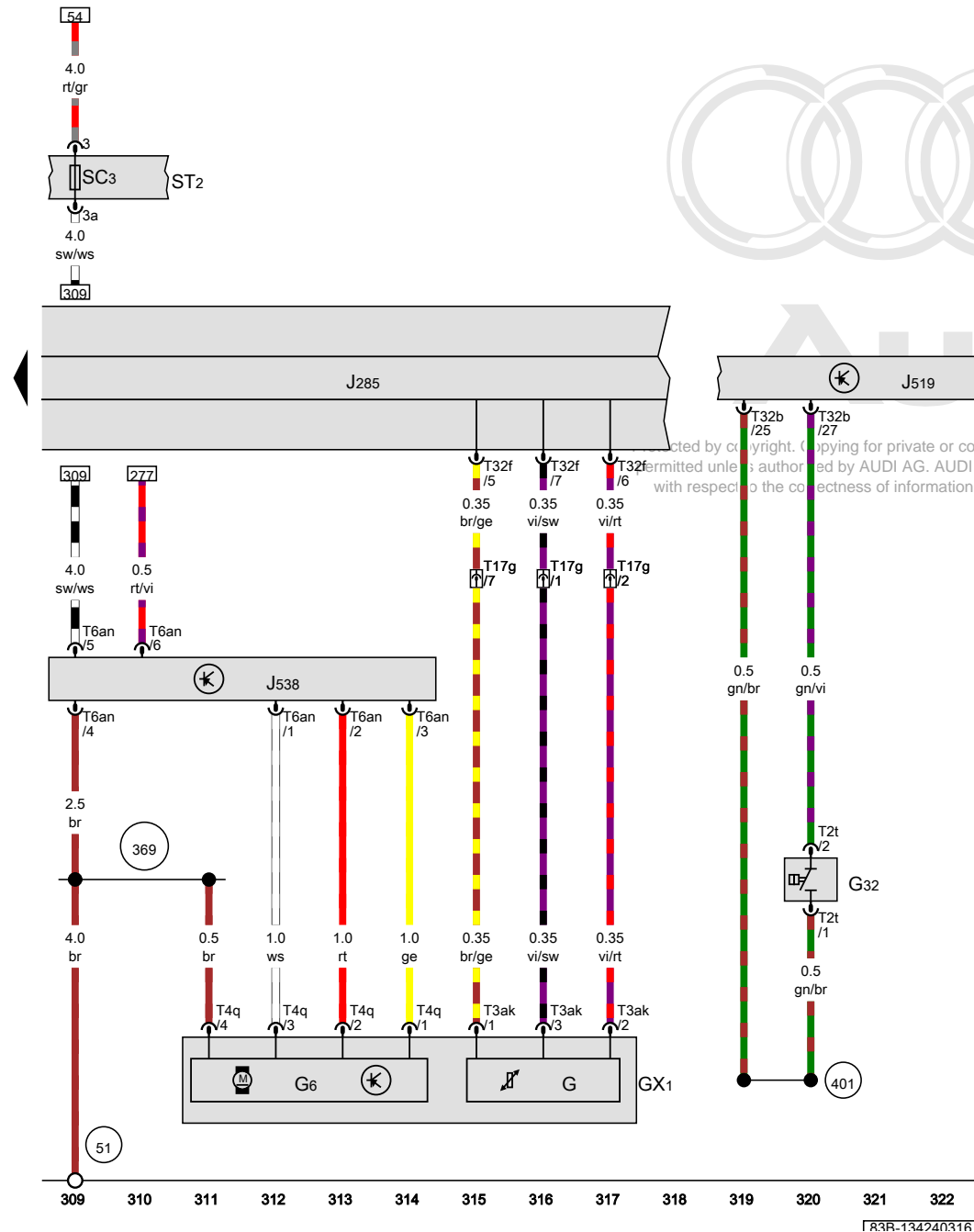
J217	Transmission control module
J533	Data bus on board diagnostic interface
J623	Engine control module
J743	DSG transmission Mechatronic
T17b	17-pin connector, blue
T17r	17-pin connector, white
T20d	20-pin connector
T94	94-pin connector
<b>B383</b>	<b>Powertrain CAN bus high connection 1 (in main wiring harness)</b>
<b>B385</b>	<b>Powertrain CAN bus high connection 3 (in main wiring harness)</b>
<b>B390</b>	<b>Powertrain CAN bus low connection 1 (in main wiring harness)</b>
<b>B392</b>	<b>Powertrain CAN bus low connection 3 (in main wiring harness)</b>
<b>D159</b>	<b>High bus connection (in engine compartment wiring harness)</b>
<b>D160</b>	<b>Low bus positive connection (in engine compartment wiring harness)</b>
*	Only for vehicles with automatic transmission
*2	Omitted as a running change
*3	Refer to applicable wiring diagram for automatic transmission



# Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SD4 Fuse 4 (on fuse panel D)
- SD5 Fuse 5 (on fuse panel D)
- T20d 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug



Engine coolant level sensor, Instrument cluster control module, Vehicle electrical system control module, Fuel pump control module

- G Fuel level sensor
- GX1 Fuel delivery unit
- G6 Transfer fuel pump
- G32 Engine coolant level sensor
- J285 Instrument cluster control module
- J519 Vehicle electrical system control module
- J538 Fuel pump control module
- ST2 Fuse panel 2
- SC3 Fuse 3 (on fuse panel C)
- T2t 2-pin connector
- T3ak 3-pin connector
- T4q 4-pin connector
- T6an 6-pin connector
- T17g 17-pin connector, black
- T32b 32-pin connector
- T32f 32-pin connector

- 51 Ground connection in luggage compartment, right
- 369 Ground connection 4 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)

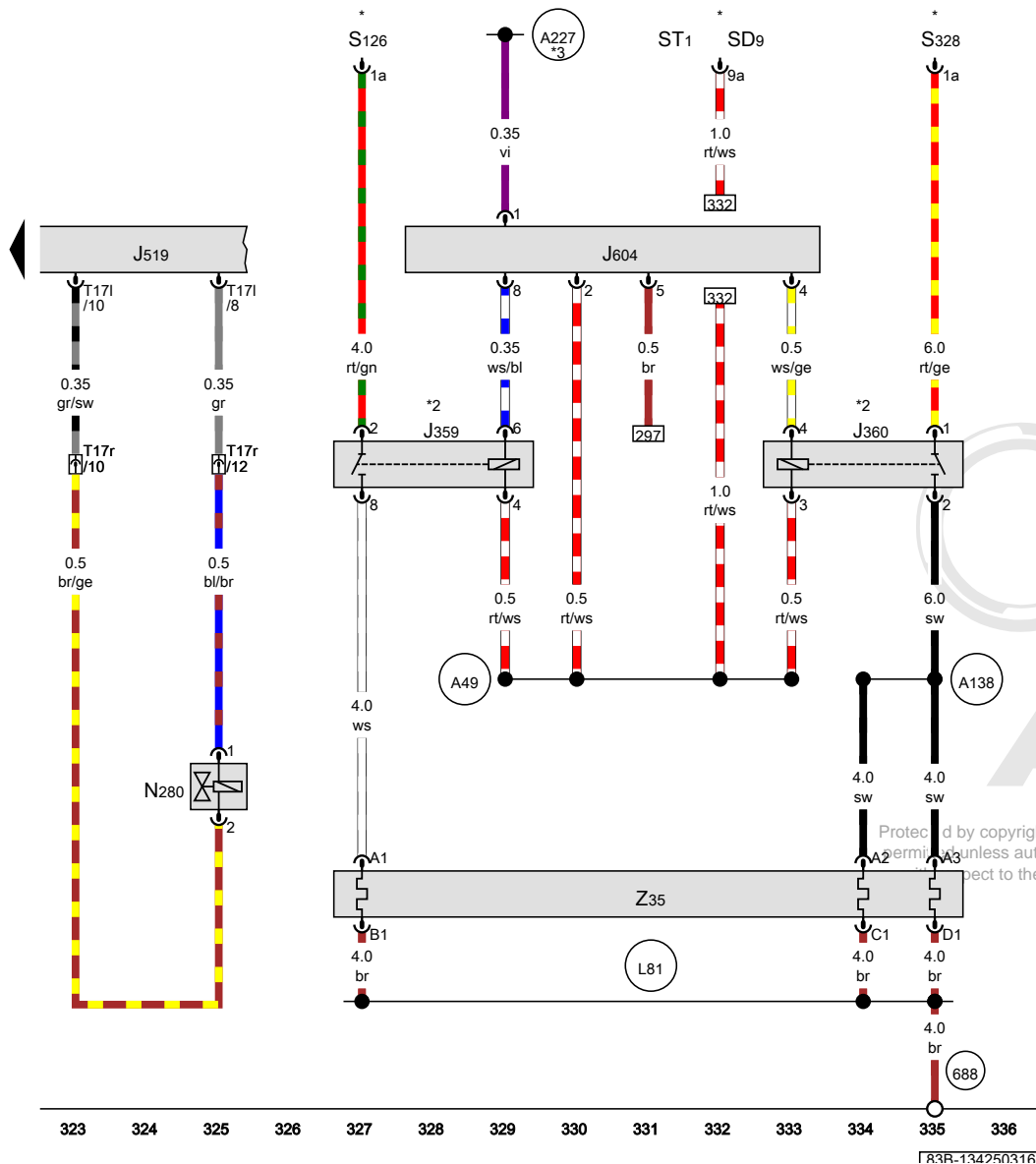
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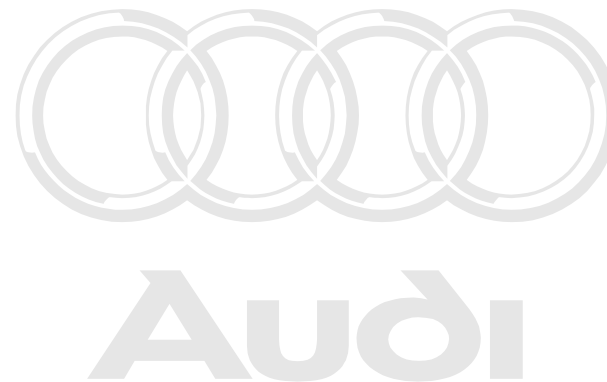
Low heat output relay, High heat output relay, Vehicle electrical system control module, Auxiliary heater control module, Auxiliary heater heating element

- J359 Low heat output relay
- J360 High heat output relay
- J519 Vehicle electrical system control module
- J604 Auxiliary heater control module
- N280 A/C compressor regulator valve
- ST1 Fuse panel 1
- SD9 Fuse 9 (on fuse panel D)
- S126 Auxiliary heater fuse
- S328 Auxiliary heater fuse 2
- T17l 17-pin connector
- T17r 17-pin connector
- Z35 Auxiliary heater heating element

- 688 Ground connection 2 on center tunnel
- A49 Connection 1 (in instrument panel wiring harness)
- A138 Connection 2 (in instrument panel wiring harness)
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- L81 Connection (in auxiliary heater wiring harness)
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Only for vehicles with auxiliary heater
- \*3 Refer to applicable A/C system wiring diagram

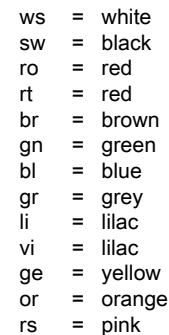


**Automatic climate control, Comfort Climatronic , CHJA**  
from November 2012



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81	Ground connection 1 (in instrument panel wiring harness)
135	Ground connection 2 (in instrument panel wiring harness)
687	Ground connection 1 on center tunnel

**A227 LIN bus connection 2 (in instrument panel wiring harness)**

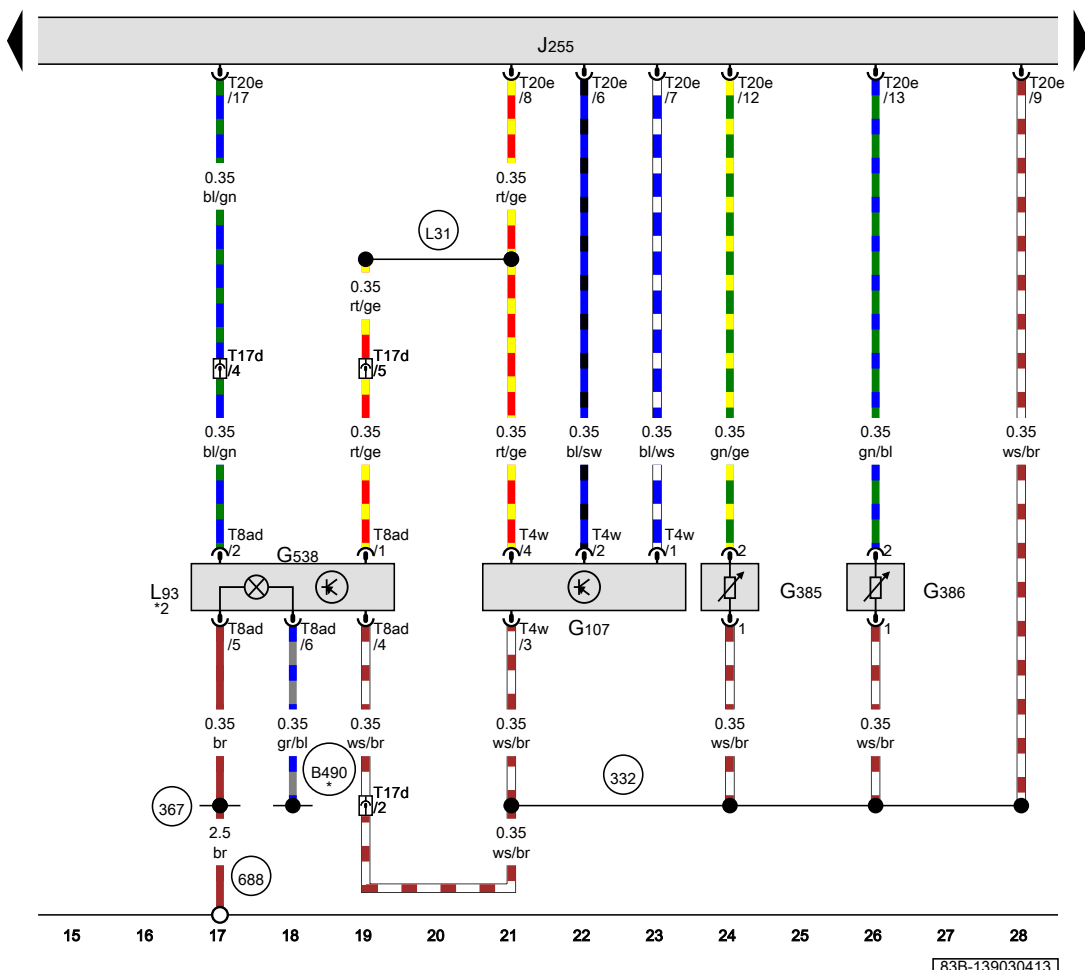
\* Refer to applicable wiring diagram for fuse positions

\*2 Refer to applicable engine wiring diagram

# Sunlight photo sensor, Rear temperature selection potentiometer

- G107 Sunlight photo sensor
- G385 Left front upper body vent temperature sensor
- G386 Right front upper body vent temperature sensor
- G538 Rear temperature selection potentiometer
- J255 Climatronic control module
- L93 Temperature control switch illumination bulb
- T4w 4-pin connector
- T8ad 8-pin connector
- T17d 17-pin connector, brown
- T20e 20-pin connector

- 332 Ground connection 4 (in instrument panel wiring harness)
- 367 Ground connection 2 (in main wiring harness)
- 688 Ground connection 2 on center tunnel
- B490 Connection 26 (in main wiring harness)
- L31 Connection (5 Volt) (in A/C system wiring harness)
- \* Refer to applicable standard equipment wiring diagram
- \*2 Optional equipment



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# Defroster door motor, Right center vent motor

J255 Climatronic control module  
T16i 16-pin connector  
V107 Defroster door motor  
V108 Left footwell door motor  
V109 Right footwell door motor  
V110 Left center vent motor  
V111 Right center vent motor  
V158 Left temperature door motor  
V159 Right temperature door motor

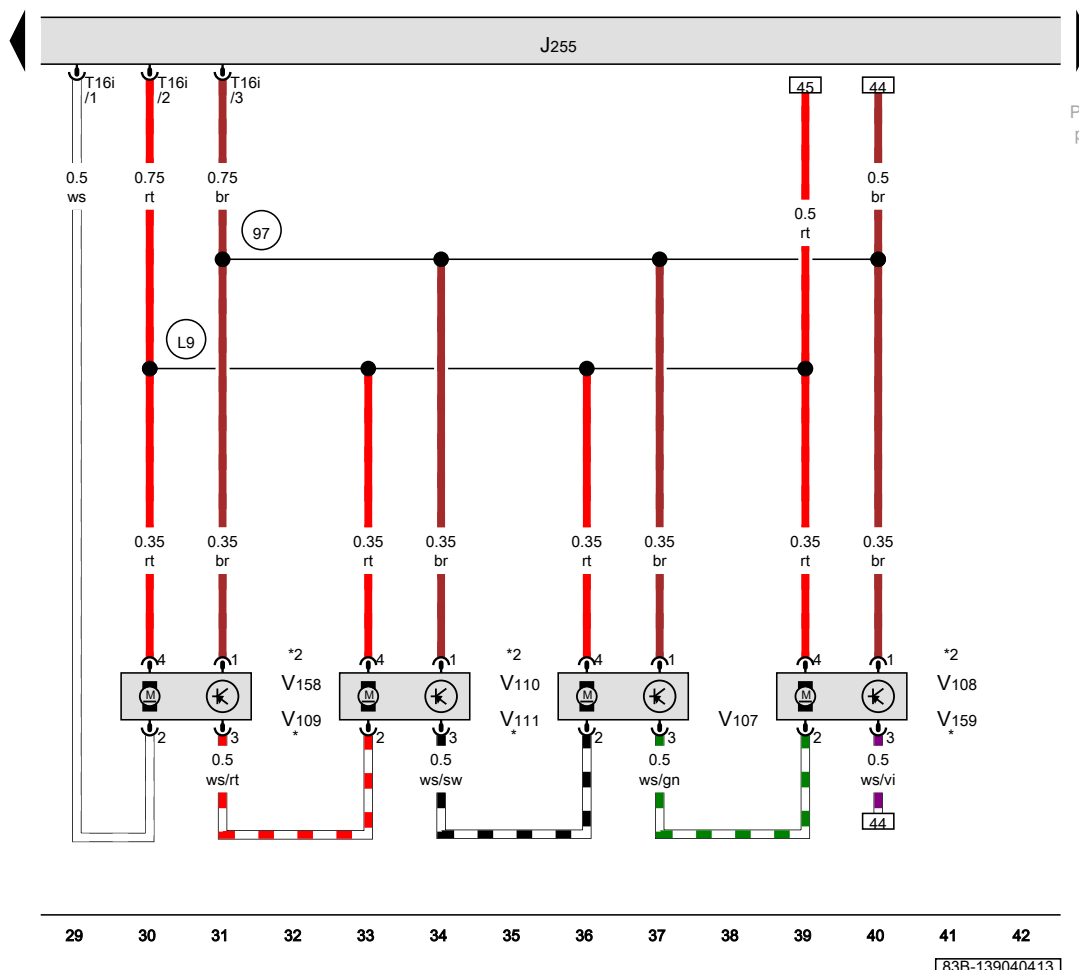
97 Ground connection 1 (in A/C wiring harness)

L9 Connection 1 (in A/C system wiring harness)

\* Only for right-hand drive vehicles

\*2 Only for left-hand drive vehicles

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

Left footwell door motor, Left temperature door motor

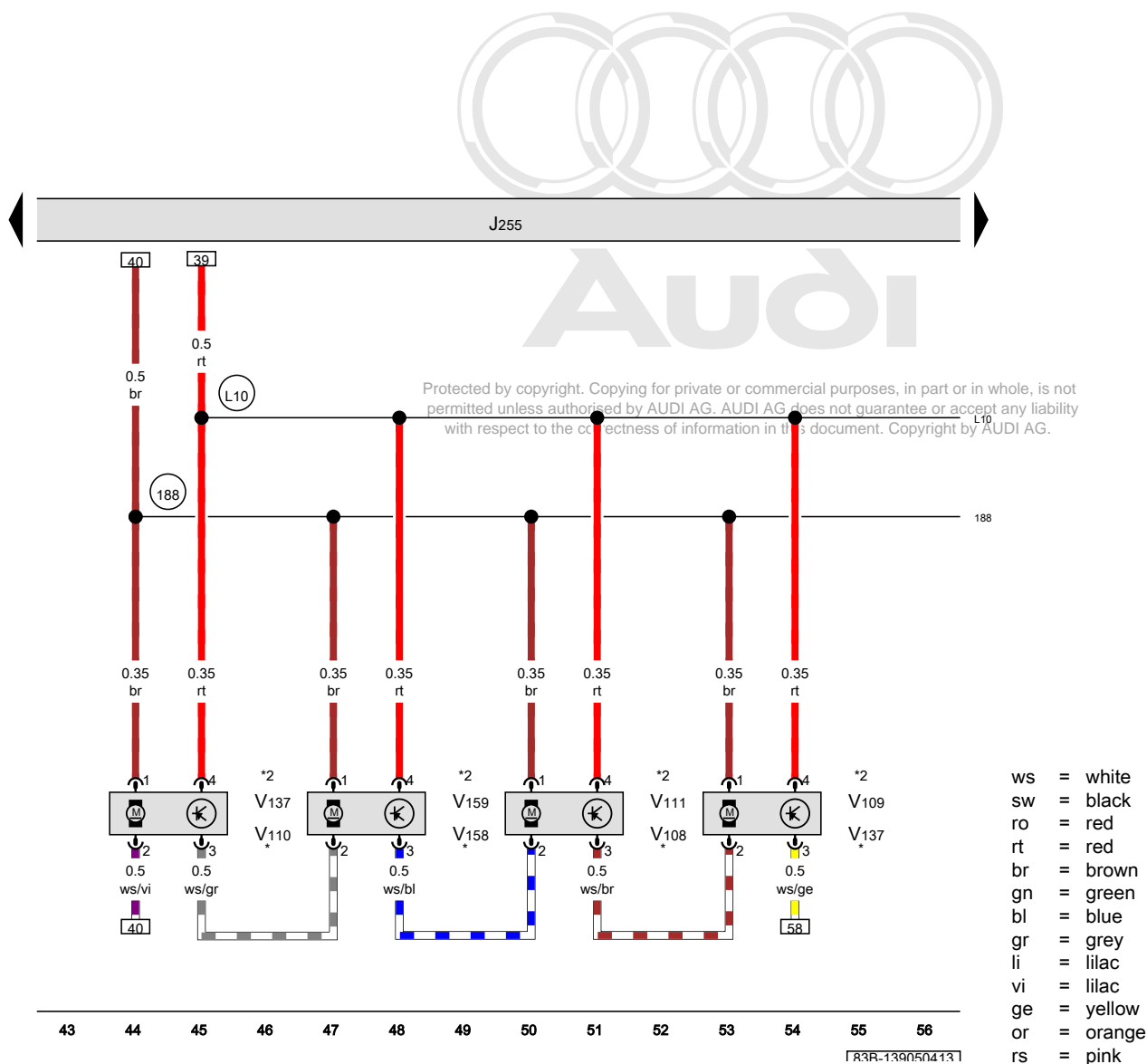
- J255 Climatronic control module
- V108 Left footwell door motor
- V109 Right footwell door motor
- V110 Left center vent motor
- V111 Right center vent motor
- V137 Rear temperature door motor
- V158 Left temperature door motor
- V159 Right temperature door motor

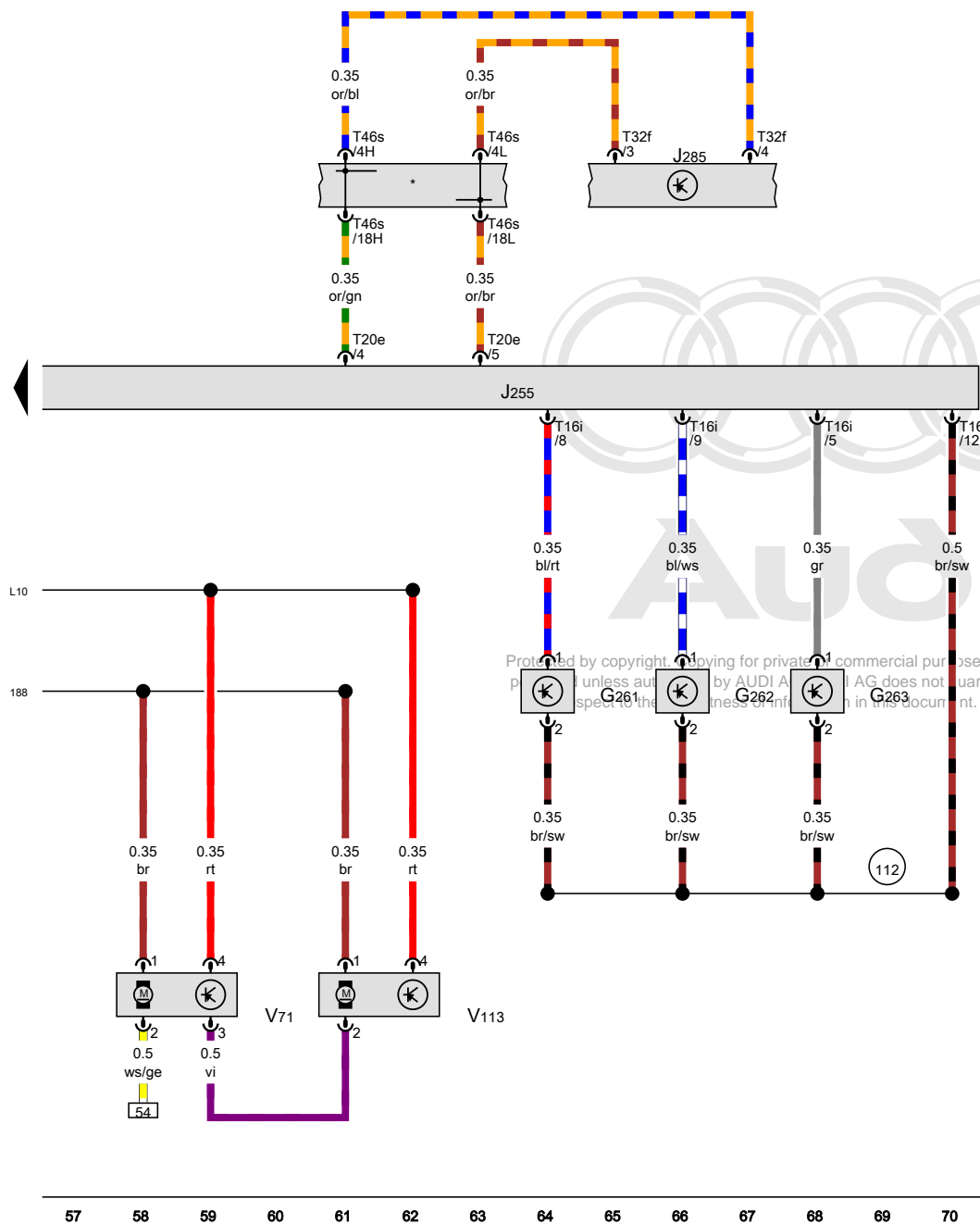
188 Ground connection 3 (in A/C wiring harness)

L10 Connection 2 (in A/C system wiring harness)

\* Only for right-hand drive vehicles

\*2 Only for left-hand drive vehicles





Left footwell vent temperature sensor, Right footwell vent temperature sensor, Evaporator vent temperature sensor, Airflow door motor, Recirculation door motor

- G261 Left footwell vent temperature sensor
- G262 Right footwell vent temperature sensor
- G263 Evaporator vent temperature sensor
- J255 Climatronic control module
- J285 Instrument cluster control module
- T16i 16-pin connector
- T20e 20-pin connector
- T32f 32-pin connector
- T46s 46-pin connector
- V71 Airflow door motor
- V113 Recirculation door motor

- 12 Ground connection in engine compartment, left
- 112 Ground connection 2 (in A/C wiring harness)
- 188 Ground connection 3 (in A/C wiring harness)
- L10 Connection 2 (in A/C system wiring harness)

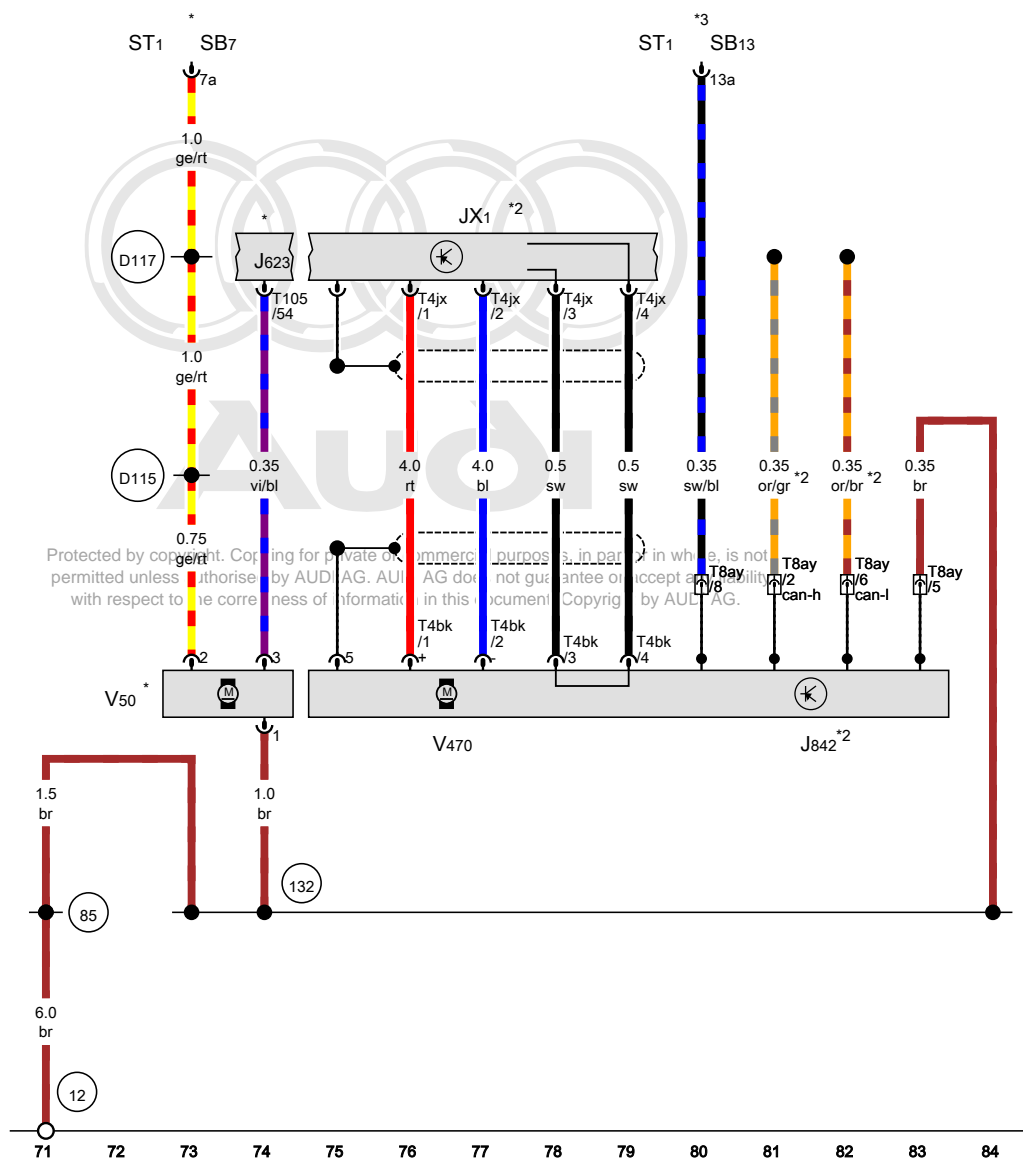
\* Refer to the applicable wiring diagram for CAN isolating plug

Electric drive power and control electronics, A/C compressor control module, Coolant recirculation pump, Electrical A/C compressor

- JX1 Electric drive power and control electronics
- J623 Engine control module
- J842 A/C compressor control module
- ST1 Fuse panel 1
- SB7 Fuse 7 (on fuse panel B)
- SB13 Fuse 13 (on fuse panel B)
- T4bk 4-pin connector
- T4jx 4-pin connector
- T8ay 8-pin connector
- T105 105-pin connector
- V50 Coolant recirculation pump
- V470 Electrical A/C compressor

- 12 Ground connection in engine compartment, left
- 85 Ground connection 1 (in engine compartment wiring harness)
- 132 Ground connection 3 (in engine compartment wiring harness)
- D115 Connection 13 (in engine compartment wiring harness)
- D117 Connection 15 (in engine compartment wiring harness)

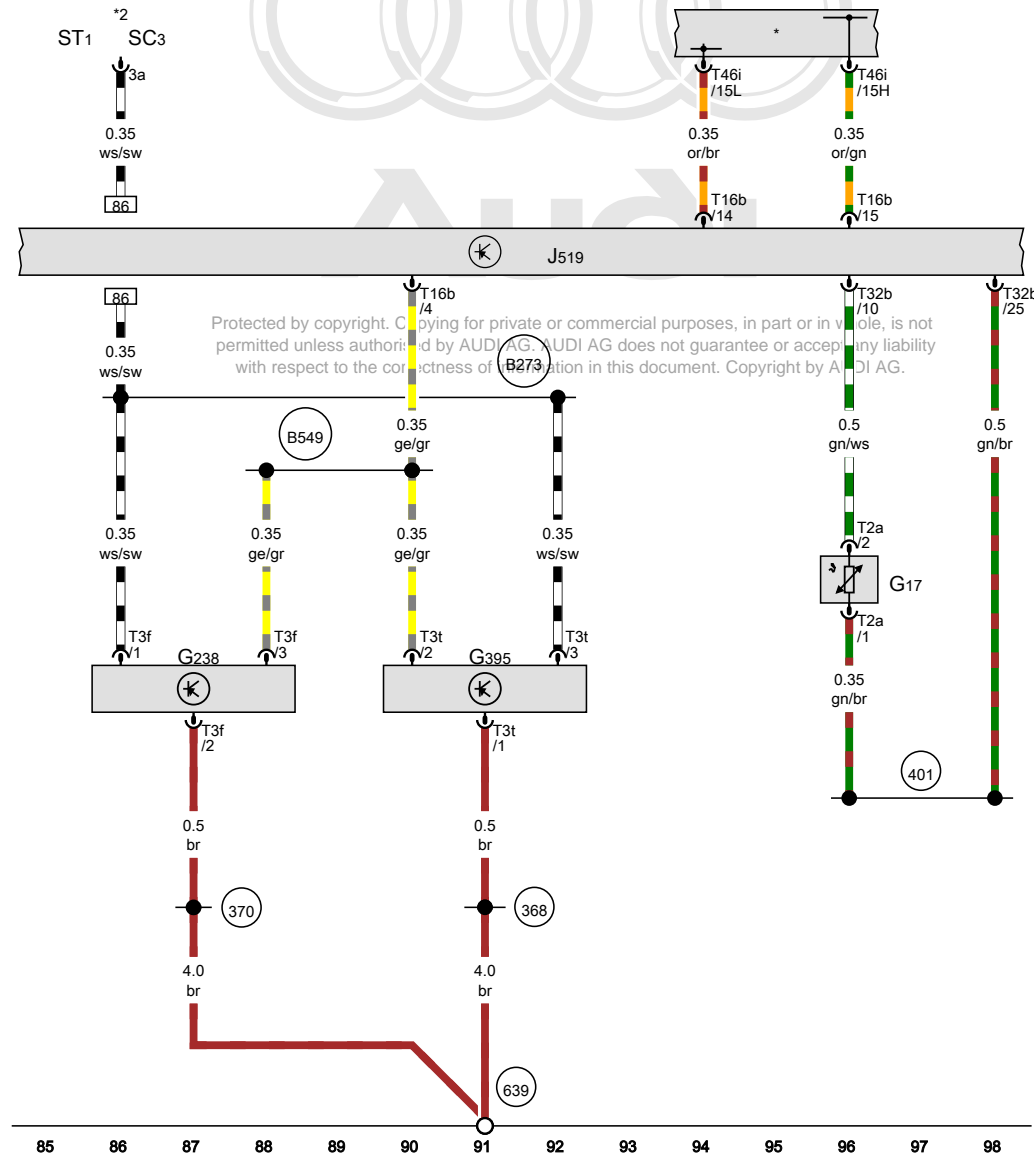
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable high voltage system wiring diagram
- \*3 Refer to applicable wiring diagram for fuse positions



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

[83B-139070413]

Outside air temperature sensor, A/C pressure/temperature sensor



ws = white  
 sw = black  
 ro = red  
 rt = red  
 br = brown  
 gn = green  
 bl = blue  
 gr = grey  
 li = lilac  
 vi = lilac  
 ge = yellow  
 or = orange  
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- G17 Outside air temperature sensor
- G238 Air quality sensor
- G395 A/C pressure/temperature sensor
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- SC3 Fuse 3 (on fuse panel C)
- T2a Double connector
- T3f 3-pin connector
- T3t 3-pin connector
- T16b 16-pin connector
- T32b 32-pin connector
- T46i 46-pin connector

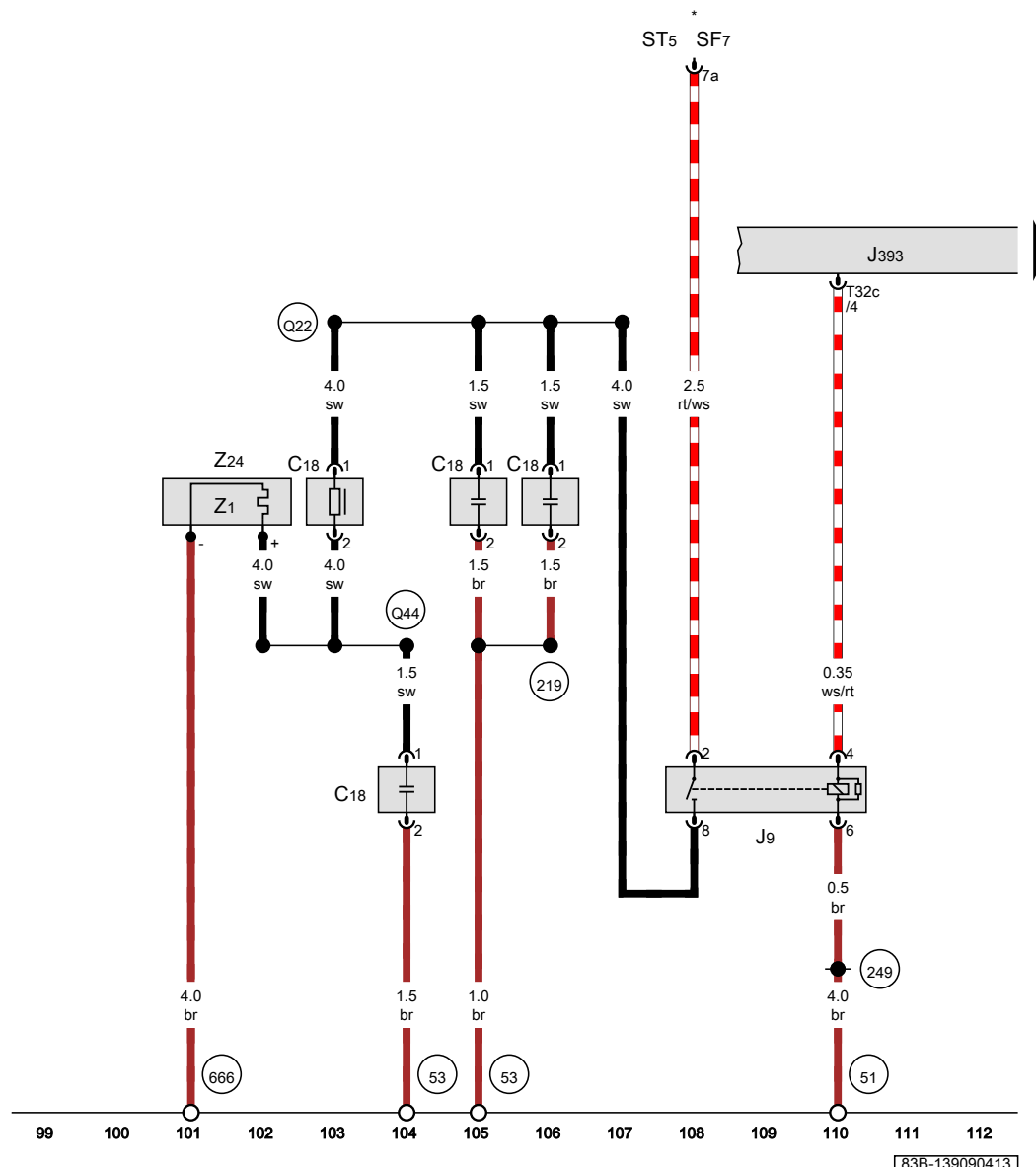
- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B273 Positive connection (15) (in main wiring harness)
- B549 LIN bus connection 2 (in main wiring harness)

- \* Refer to the applicable wiring diagram for CAN isolating plug
- \*2 Refer to applicable wiring diagram for fuse positions

139-139080413

Comfort system central control module, Rear window defogger

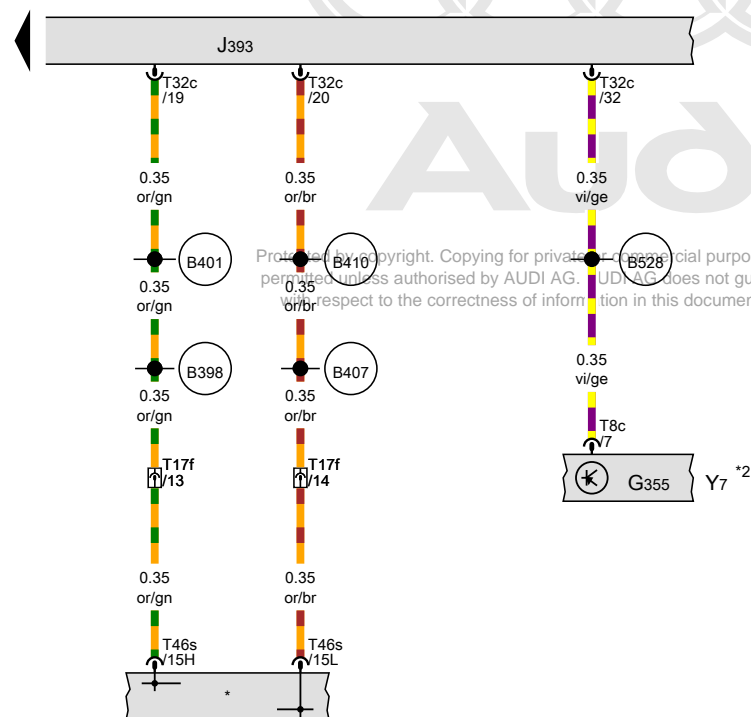
- C18 Windshield antenna suppression filter
- J9 Rear window defogger relay
- J393 Comfort system central control module
- ST5 Fuse panel 5
- SF7 Fuse 7 (on fuse panel F)
- T32c 32-pin connector
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna
- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)
- \* Refer to applicable wiring diagram for fuse positions



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139-1390904131





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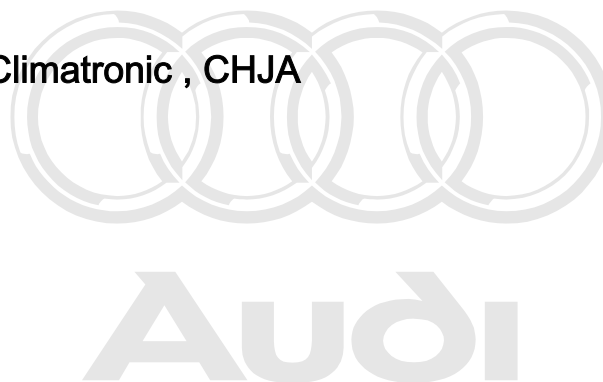
# Humidity sensor, Comfort system central control module, Automatic dimming interior rearview mirror

- G355 Humidity sensor
- J393 Comfort system central control module
- T8c 8-pin connector
- T17f 17-pin connector, brown
- T32c 32-pin connector
- T46s 46-pin connector
- Y7 Automatic dimming interior rearview mirror
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- B528 LIN bus connection 1 (in main wiring harness)
- \* Refer to the applicable wiring diagram for CAN isolating plug
- \*2 Refer to applicable standard equipment wiring diagram

ws = white  
sw = black  
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**Automatic climate control, Basic Climatronic , CHJA**

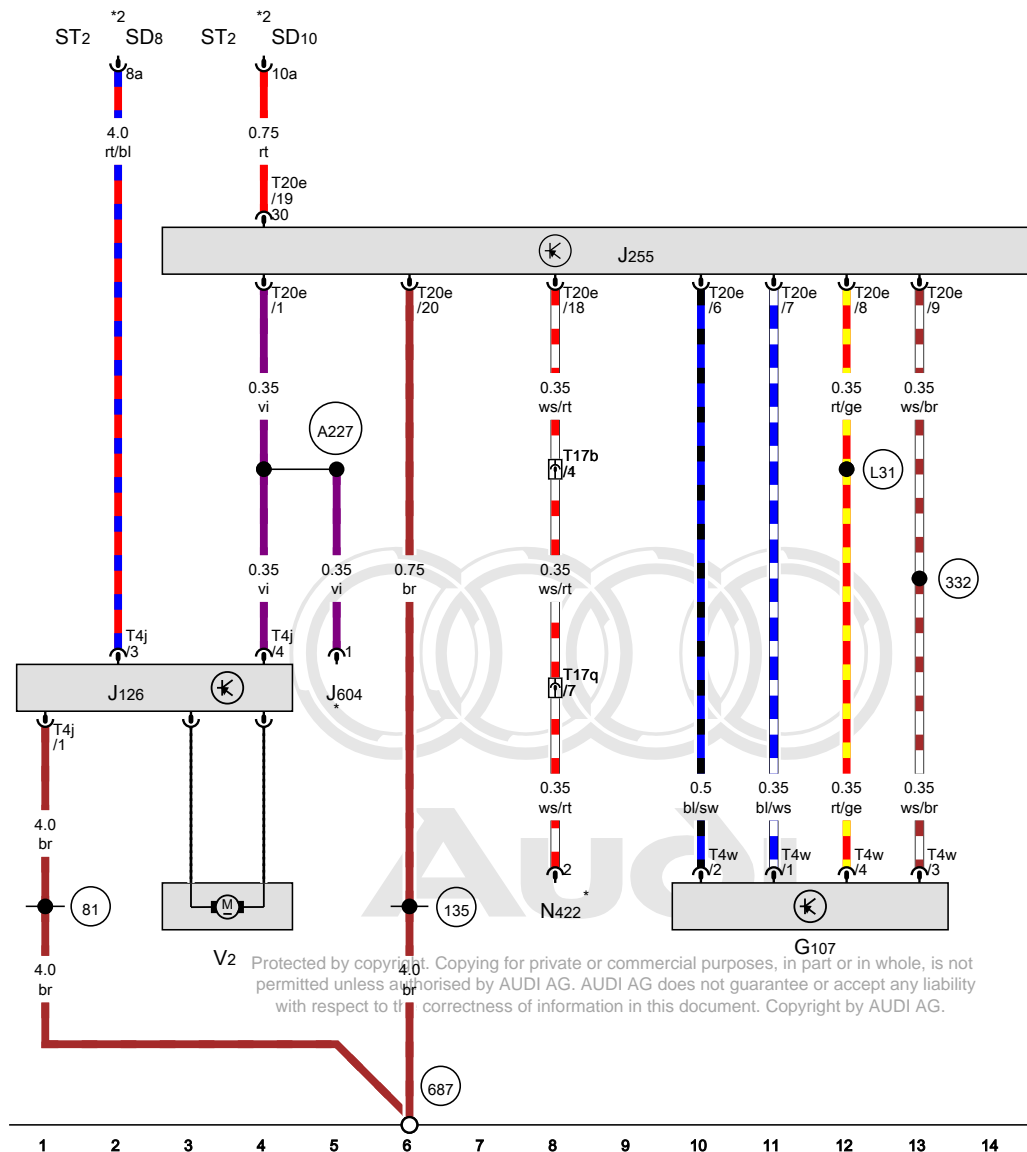
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# Fresh air blower control module

- G107 Sunlight photo sensor
- J126 Fresh air blower control module
- J255 Climatronic control module
- J604 Auxiliary air heater control module
- N422 Climatronic refrigerant shut-off valve
- ST2 Fuse panel 2
- SD8 Fuse 8 (on fuse panel D)
- SD10 Fuse 10 (on fuse panel D)
- T4j 4-pin connector
- T4w 4-pin connector
- T17b 17-pin connector, blue
- T17q 17-pin connector, red
- T20e 20-pin connector
- V2 Fresh air blower



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- rs = pink

- 81 Ground connection 1 (in instrument panel wiring harness)
- 135 Ground connection 2 (in instrument panel wiring harness)
- 332 Ground connection 4 (in instrument panel wiring harness)
- 687 Ground connection 1 on center tunnel
- A227 LIN bus connection 2 (in instrument panel wiring harness)
- L31 Connection (5 Volt) (in A/C system wiring harness)
- \* Refer to applicable engine wiring diagram
- \*2 Refer to applicable wiring diagram for fuse positions

183R-1400211131

Center vent temperature sensor, Footwell vent temperature sensor, Evaporator vent temperature sensor, Center vent adjustment motor

- G191 Center vent temperature sensor
- G192 Footwell vent temperature sensor
- G263 Evaporator vent temperature sensor
- J255 Climatronic control module
- T16i 16-pin connector
- V68 Temperature regulator door motor
- V102 Center vent adjustment motor
- V107 Defroster door motor

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

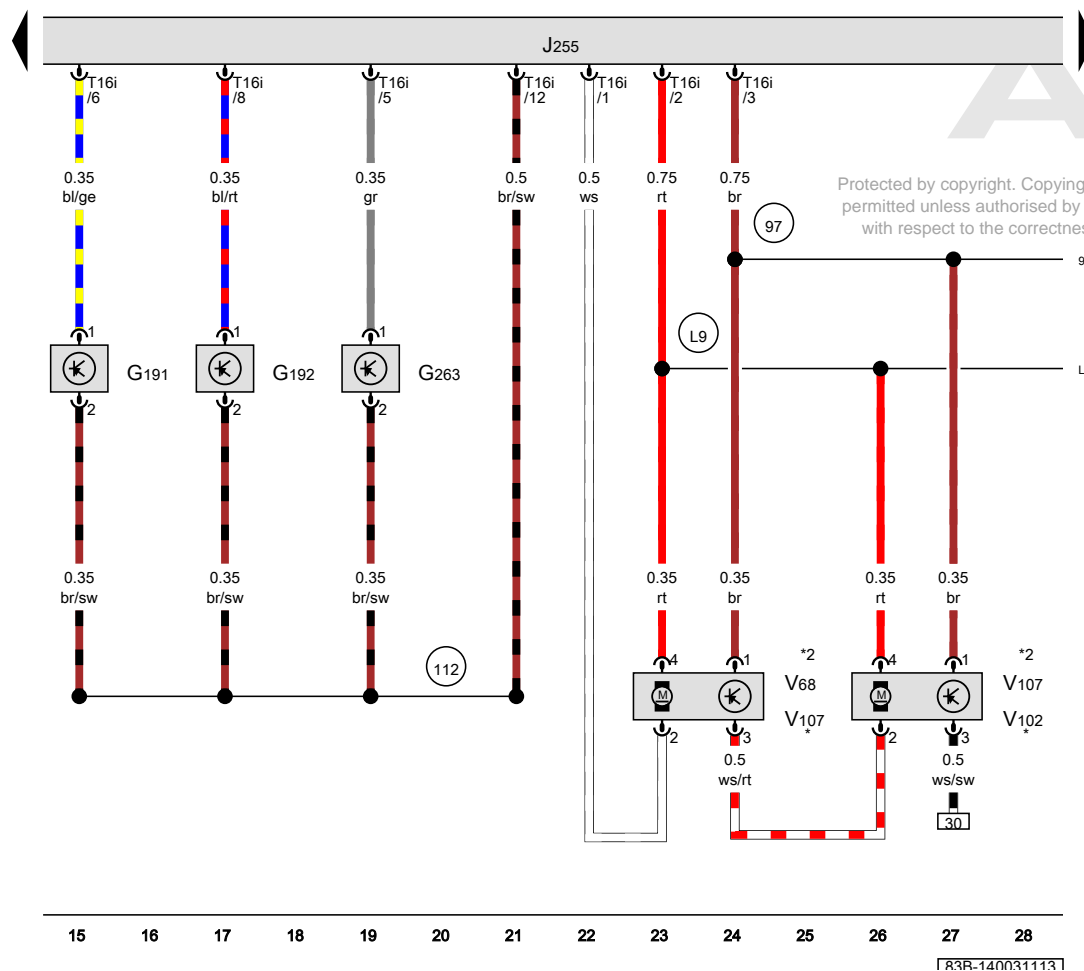
112 Ground connection 2 (in A/C wiring harness)

L9 Connection 1 (in A/C system wiring harness)

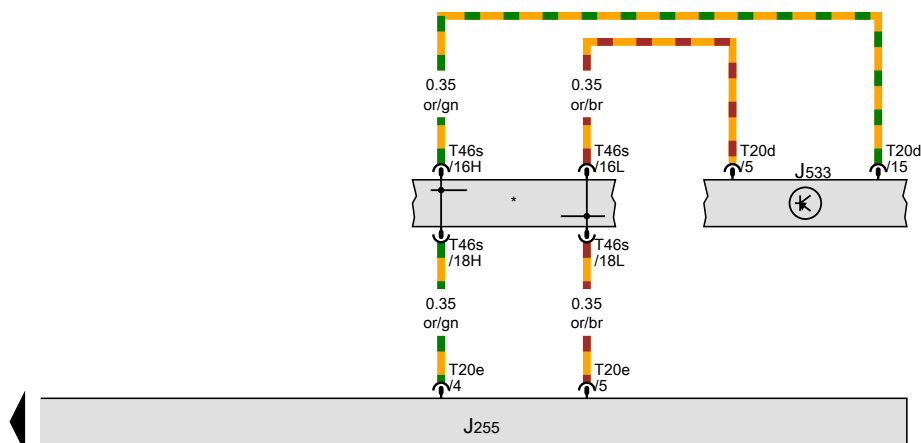
\* Only for right-hand drive vehicles

\*2 Only for left-hand drive vehicles

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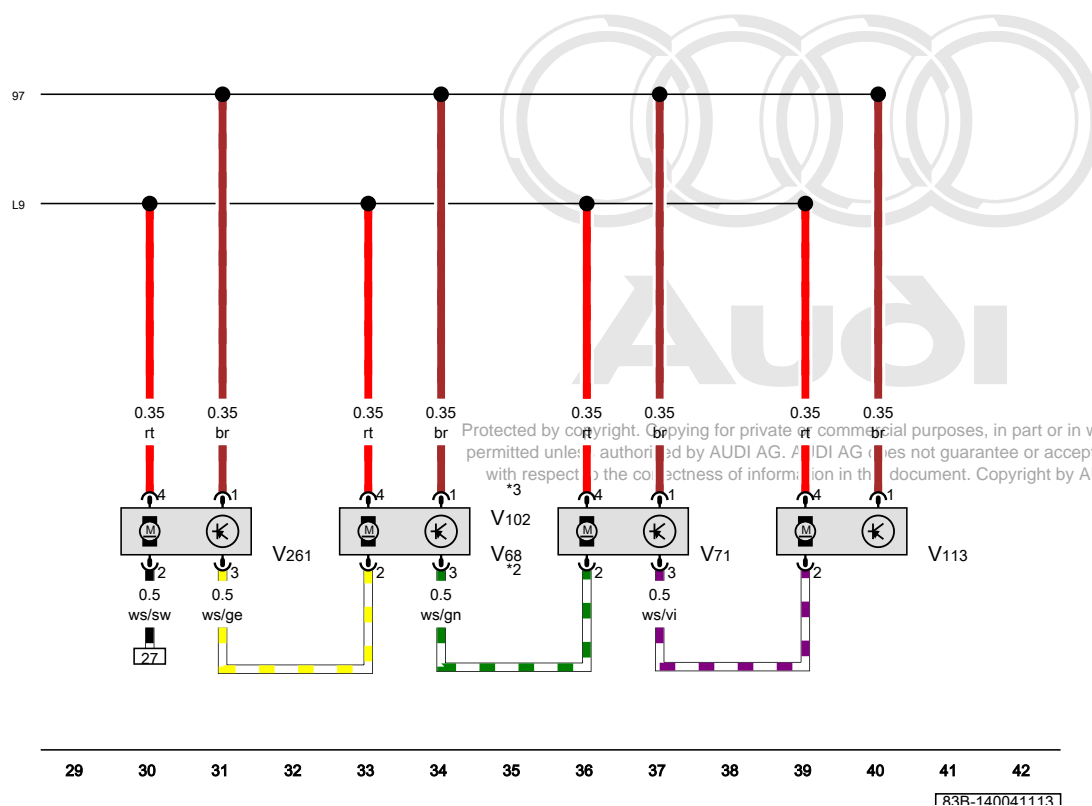
# Recirculation door motor, Footwell door motor

- J255 Climatronic control module
- J533 Data bus on board diagnostic interface
- T20d 20-pin connector
- T20e 20-pin connector
- T46s 46-pin connector
- V68 Temperature regulator door motor
- V71 Airflow door motor
- V102 Center vent adjustment motor
- V113 Recirculation door motor
- V261 Footwell door motor

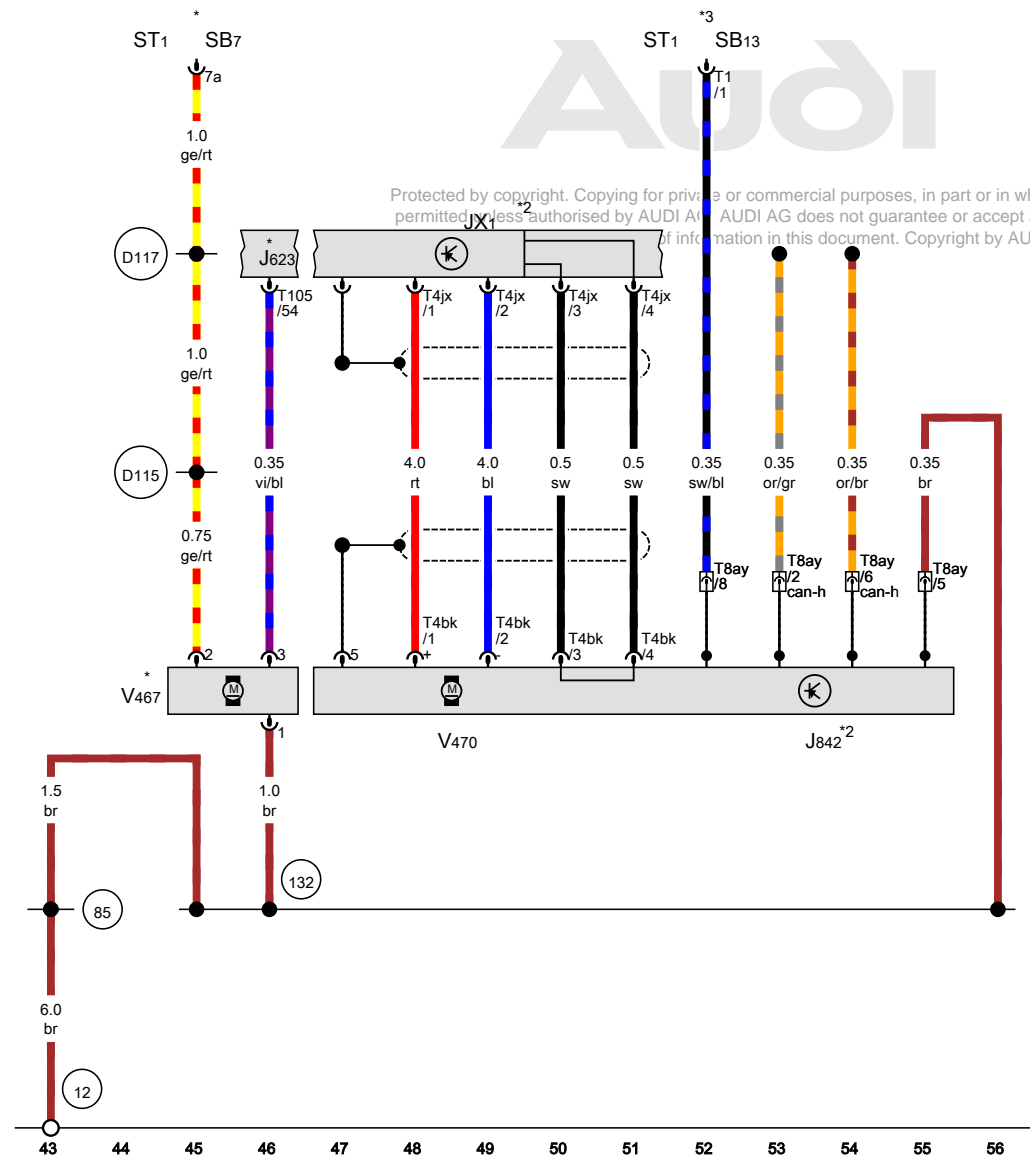
97 Ground connection 1 (in A/C wiring harness)

L9 Connection 1 (in A/C system wiring harness)

- \* Refer to the applicable wiring diagram for CAN isolating plug
- \*2 Only for right-hand drive vehicles
- \*3 Only for left-hand drive vehicles

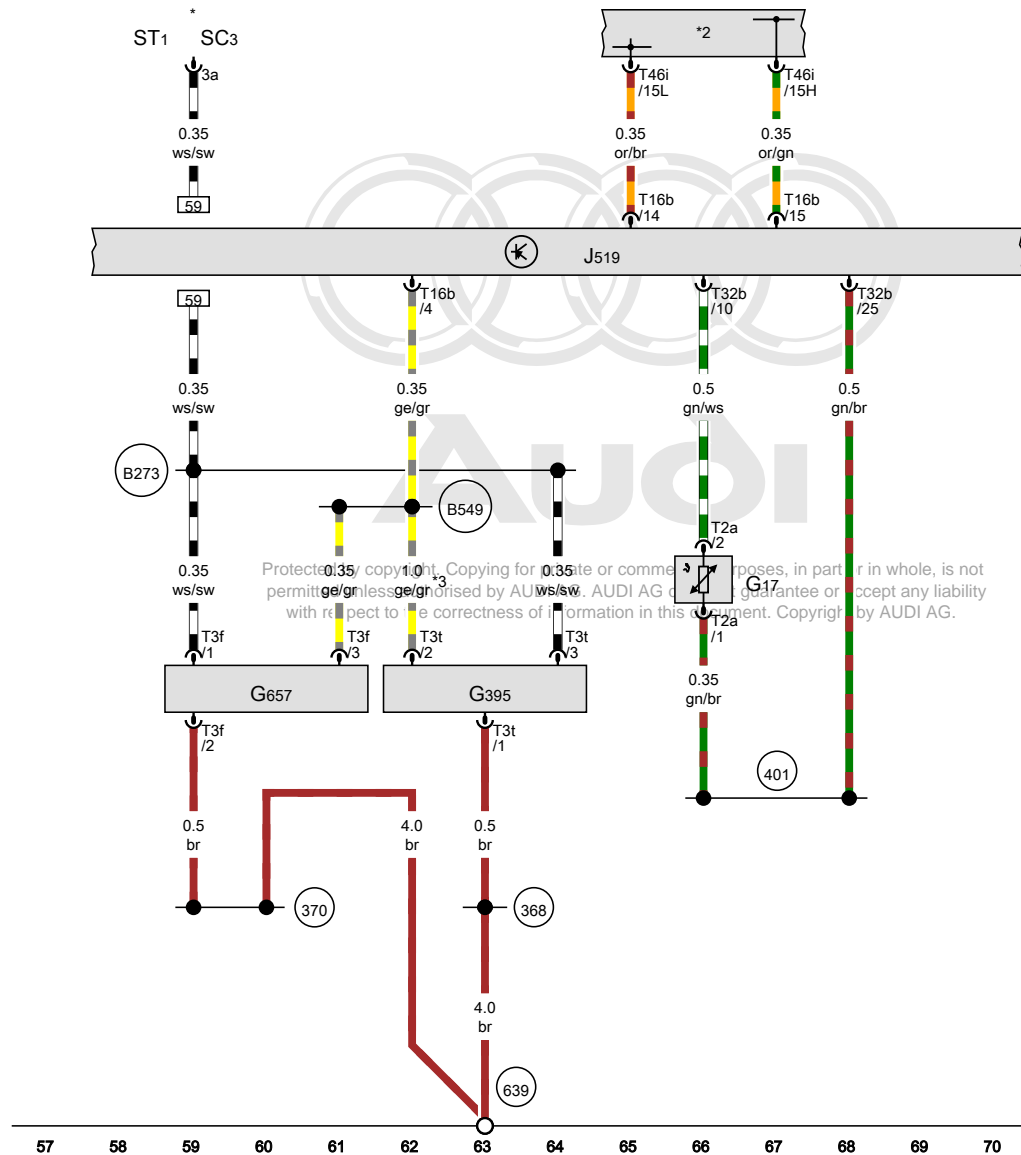


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- ge = yellow
- or = orange
- rs = pink



183B-1400511131

Outside air temperature sensor, A/C pressure/temperature sensor



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

- G17 Outside air temperature sensor
- G395 A/C pressure/temperature sensor
- G657 Humidity sensor in fresh air intake duct
- J519 Vehicle electrical system control module
- ST1 Fuse panel 1
- SC3 Fuse 3 (on fuse panel C)
- T2a Double connector
- T3f 3-pin connector
- T3t 3-pin connector
- T16b 16-pin connector
- T32b 32-pin connector
- T46i 46-pin connector

- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 401 Sensor ground connection (in interior wiring harness)
- 639 Ground connection on left A-pillar
- B273 Positive connection (15) (in main wiring harness)
- B549 LIN bus connection 2 (in main wiring harness)

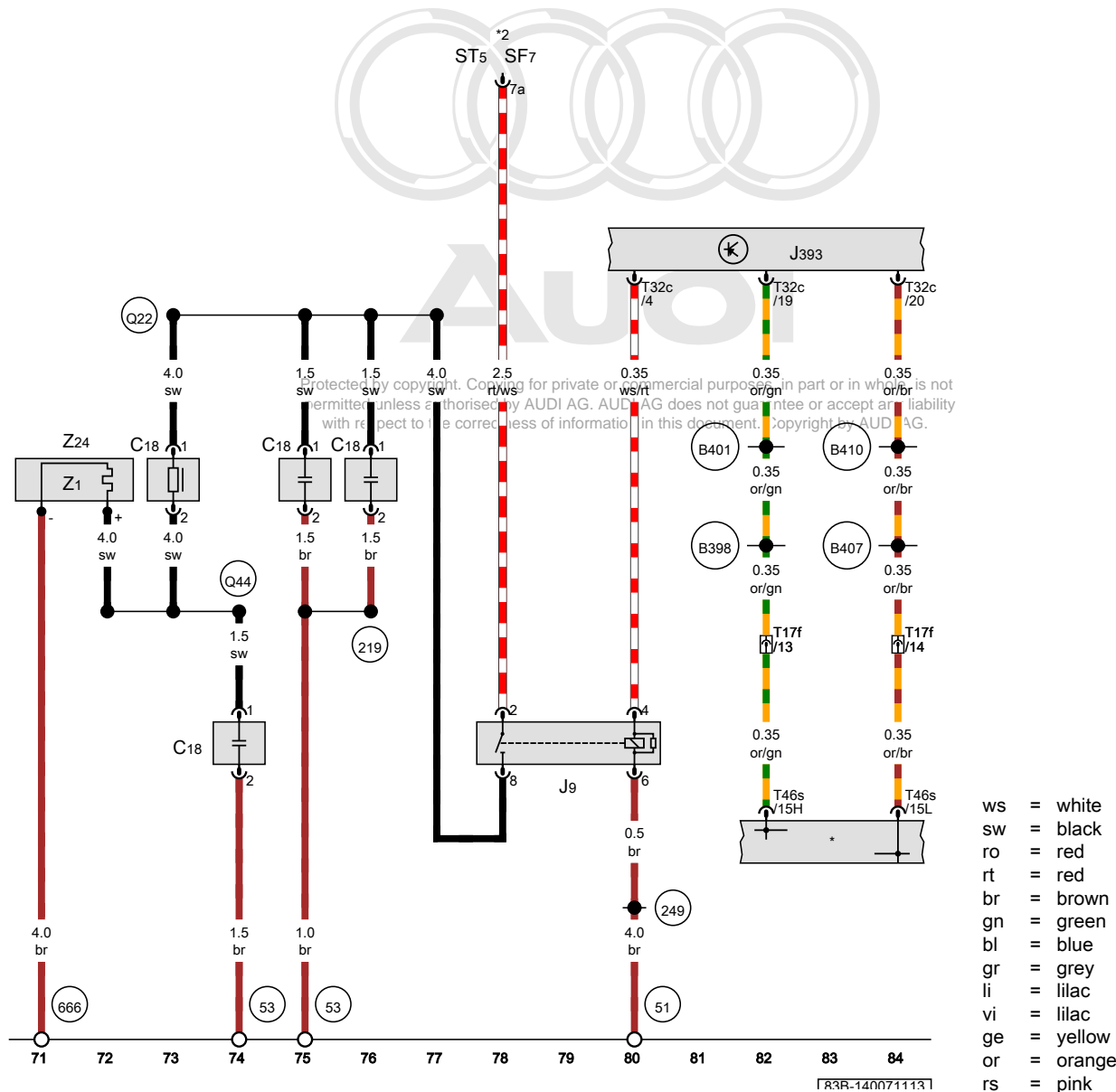
- \* Refer to applicable wiring diagram for fuse positions
- \*2 Refer to the applicable wiring diagram for CAN isolating plug
- \*3 Diameter depends on equipment

83B-140061113

# Rear window defogger

- C18 Windshield antenna suppression filter
- J9 Rear window defogger relay
- J393 Comfort system central control module
- ST5 Fuse panel 5
- SF7 Fuse 7 (on fuse panel F)
- T17f 17-pin connector, brown
- T32c 32-pin connector
- T46s 46-pin connector
- Z1 Rear window defogger
- Z24 Rear window defogger with window antenna

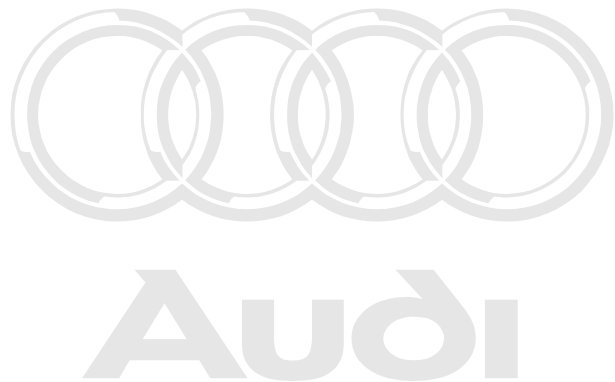
- 51 Ground connection in luggage compartment, right
- 53 Ground connection in rear lid, right
- 219 Ground connection 2 (in rear lid wiring harness)
- 249 Ground connection 2 (in interior wiring harness)
- 666 Ground connection on roof, right rear
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B401 Comfort system CAN bus high connection 5 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- B410 Comfort system CAN bus low connection 5 (in main wiring harness)
- Q22 Connection 1 (in rear lid wiring harness)
- Q44 Connection 2 (in rear lid wiring harness)
- \* Refer to the applicable wiring diagram for CAN isolating plug
- \*2 Refer to applicable wiring diagram for fuse positions





## Rear final drive - sport differential

from May 2015



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Oil pressure/temperature sensor, Oil pressure/temperature sensor 2, All wheel drive control module, All wheel drive pump

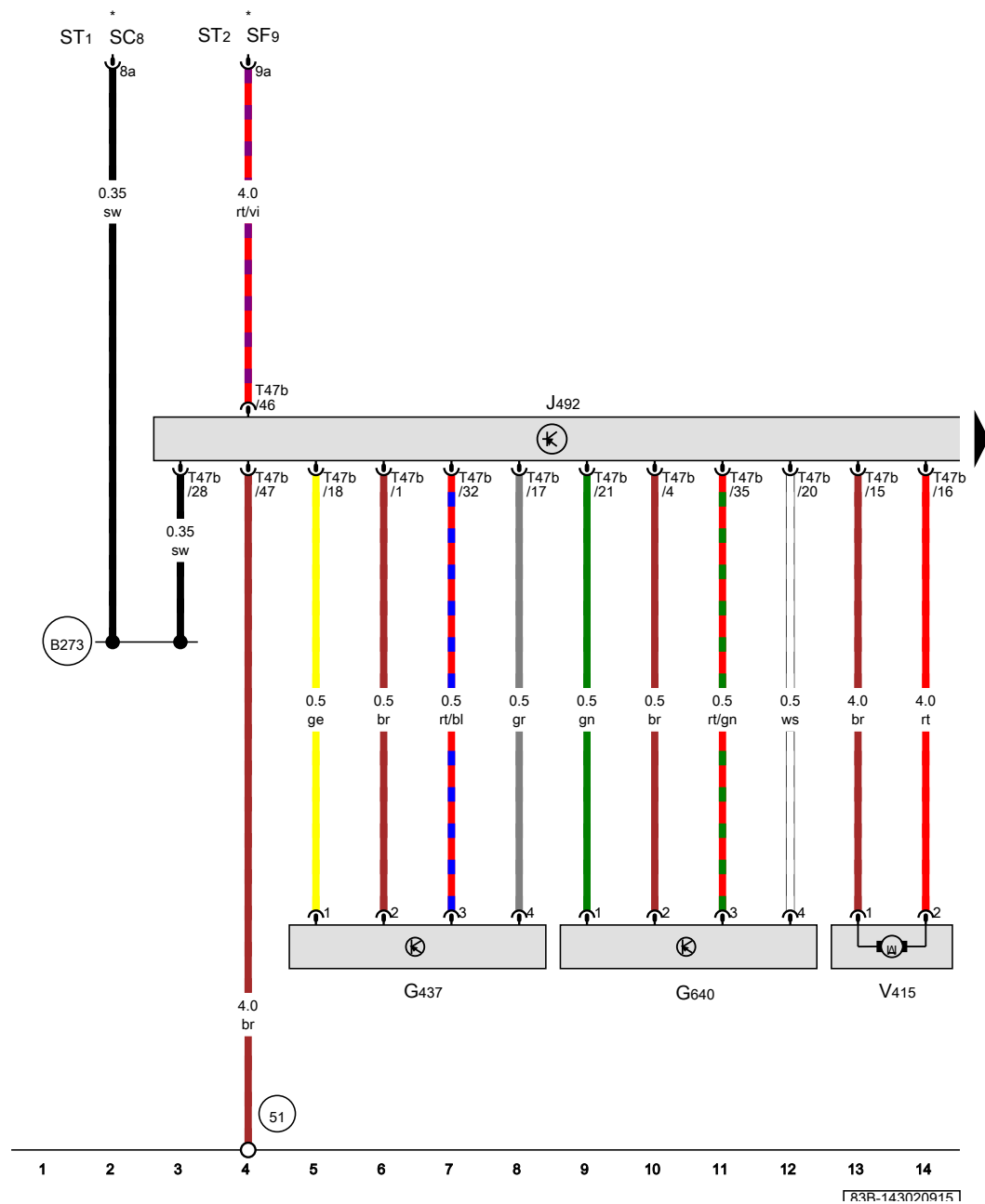
- G437 Oil pressure/temperature sensor
- G640 Oil pressure/temperature sensor 2
- J492 All wheel drive control module
- ST1 Fuse panel 1
- ST2 Fuse panel 2
- SC8 Fuse 8 (on fuse panel C)
- SF9 Fuse 9 (on fuse panel F)
- T47b 47-pin connector
- V415 All wheel drive pump

51 Ground connection in luggage compartment, right

B273 Positive connection (15) (in main wiring harness)

\* Refer to applicable wiring diagram for fuse positions

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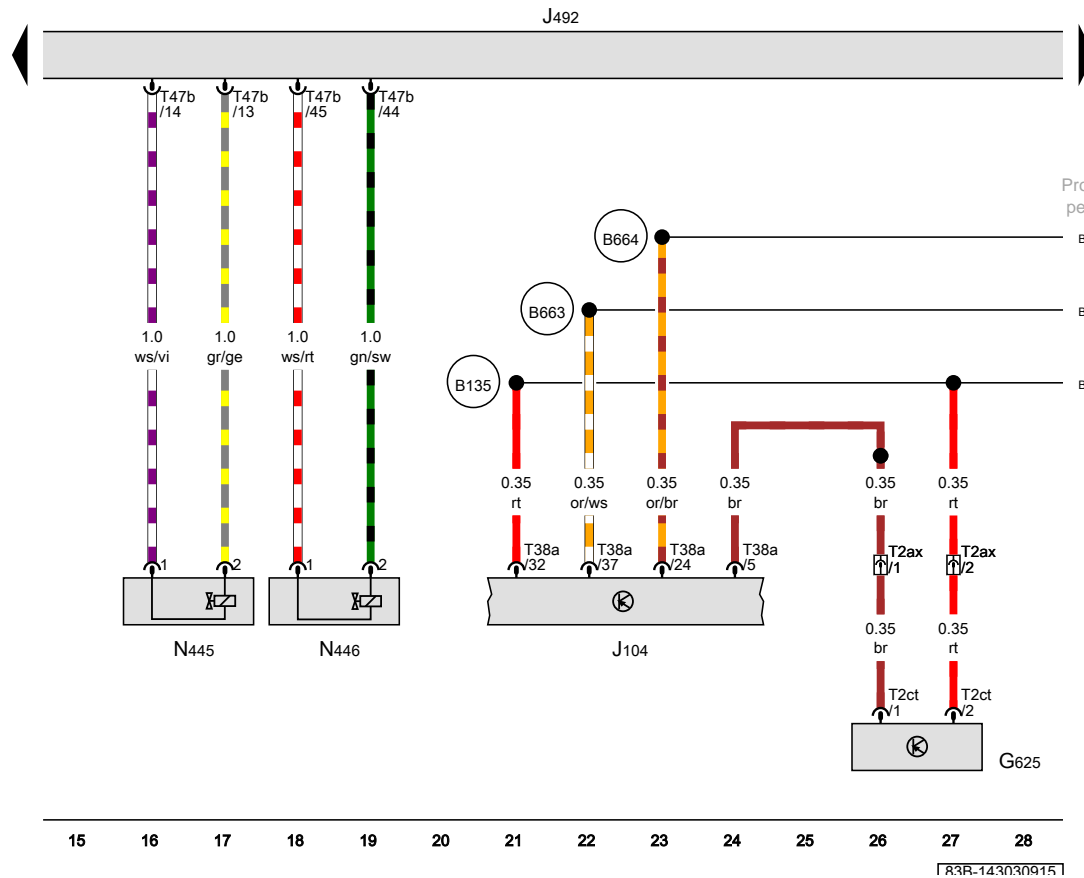


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ABS control module, All wheel drive control module, All wheel drive clutch valve, All wheel drive clutch valve 2

- G625 Roof rack recognition sensor
- J104 ABS control module
- J492 All wheel drive control module
- N445 All wheel drive clutch valve
- N446 All wheel drive clutch valve 2
- T2ax 2-pin connector, near the left roof pillar
- T2ct 2-pin connector
- T38a 38-pin connector
- T47b 47-pin connector

- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)

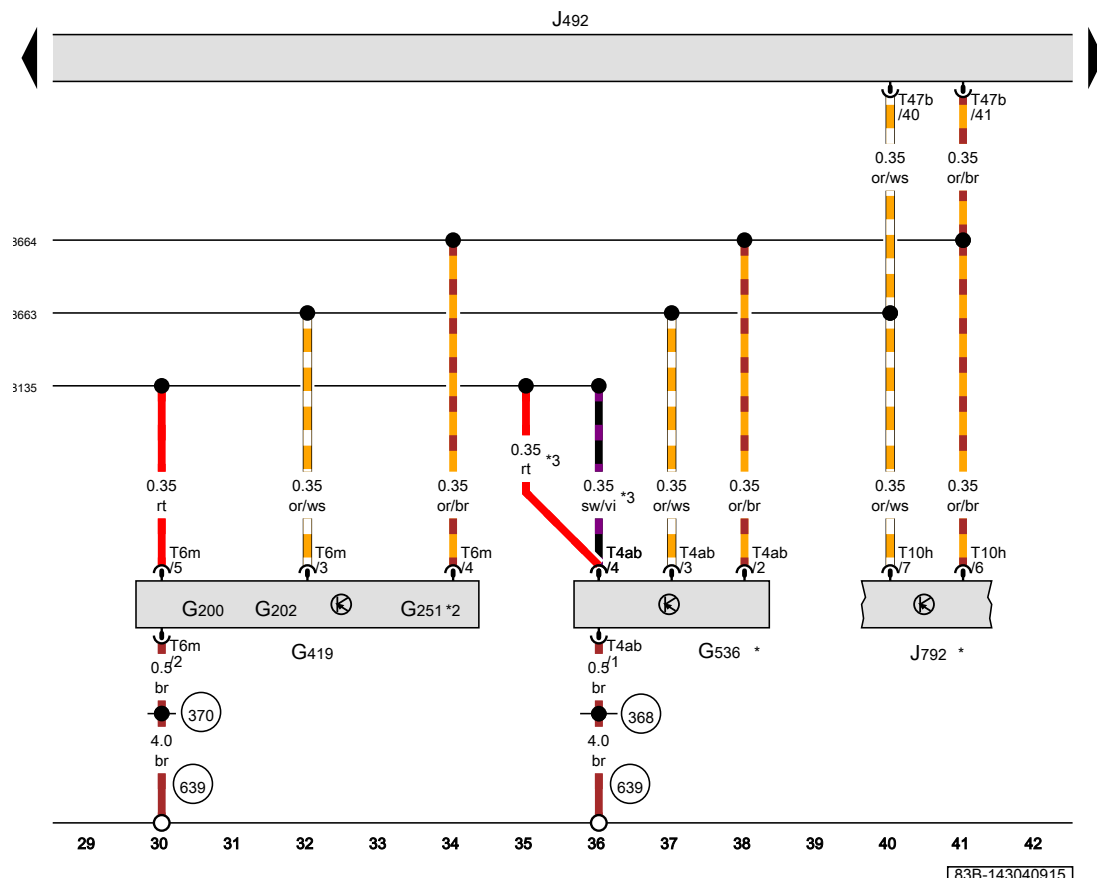


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ESP sensor unit, ESP sensor unit 2, All wheel drive control module, Active steering control module

- G200 Transverse acceleration sensor
- G202 Rotation rate sensor
- G251 Longitudinal acceleration sensor
- G419 ESP sensor unit
- G536 ESP sensor unit 2
- J492 All wheel drive control module
- J792 Active steering control module
- T4ab 4-pin connector
- T6m 6-pin connector
- T10h 10-pin connector
- T47b 47-pin connector

- 368 Ground connection 3 (in main wiring harness)
- 370 Ground connection 5 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B135 Positive connection 1 (15a) (in interior wiring harness)
- B663 Suspension sensor CAN bus high connection (in main wiring harness)
- B664 Suspension sensor CAN bus low connection (in main wiring harness)
- \* Special equipment
- \*2 Only for vehicles with all wheel drive
- \*3 The color of the wires depends on vehicle equipment



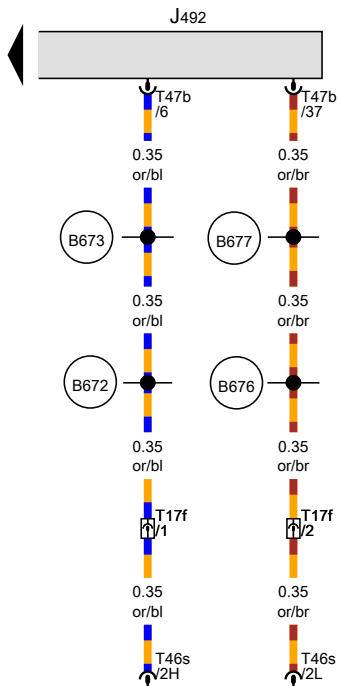
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- rs = pink

All wheel drive control module, Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness), Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)

- J492 All wheel drive control module
- T17f 17-pin connector, brown
- T46s 46-pin connector
- T47b 47-pin connector

- B672 Suspension/instrument cluster CAN bus high connection 1 (in main wiring harness)
- B673 Suspension/instrument cluster CAN bus high connection 2 (in main wiring harness)
- B676 Suspension/instrument cluster CAN bus low connection 1 (in main wiring harness)
- B677 Suspension/instrument cluster CAN bus low connection 2 (in main wiring harness)



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

[83B-143050915]

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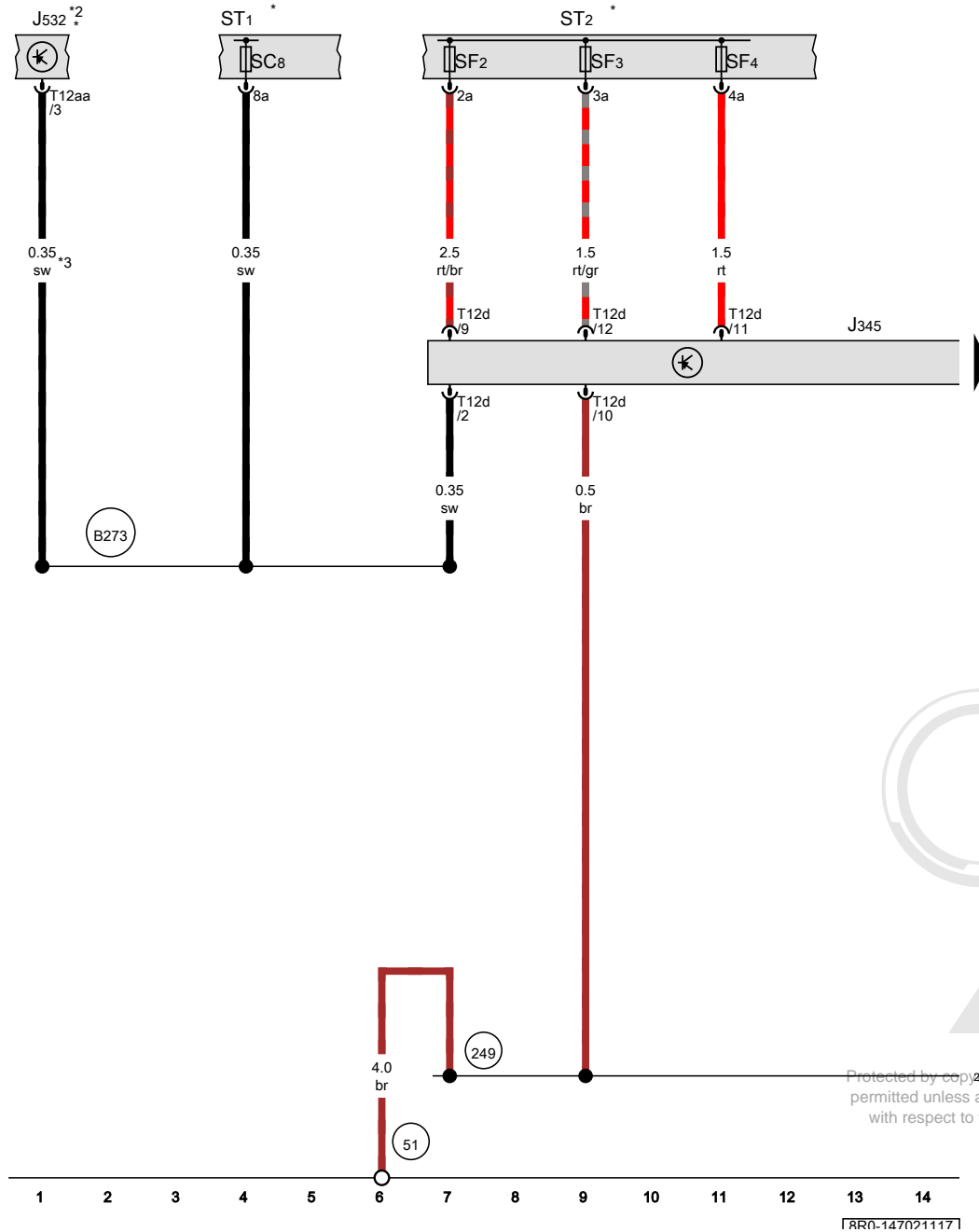
## Trailer Mode, Only for US Equipment , (1D8)

From September 2008



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Towing Recognition Control Module, Voltage Stabilizer, Fuse Panel 1, Fuse Panel 2



- J345 Towing Recognition Control Module
- J532 Voltage Stabilizer
- ST1 Fuse Panel 1
- SF2 Fuse 2 (On Fuse Panel F)
- ST2 Fuse Panel 2
- SF3 Fuse 3 (On Fuse Panel F)
- SF4 Fuse 4 (On Fuse Panel F)
- SC8 Fuse 8 (On Fuse Panel C)
- T12aa 12-Pin Connector
- T12d 12-Pin Connector

- 51 Ground Connection in Luggage Compartment, Right
- 249 Ground Connection 2 (in Interior Wiring Harness)
- B273 Positive Connection (15) (in Main Wiring Harness)
- \* Refer to Applicable Wiring Diagram for Fuse Positions
- \*2 From May 2009
- \*3 For Vehicles with Stop/Start System

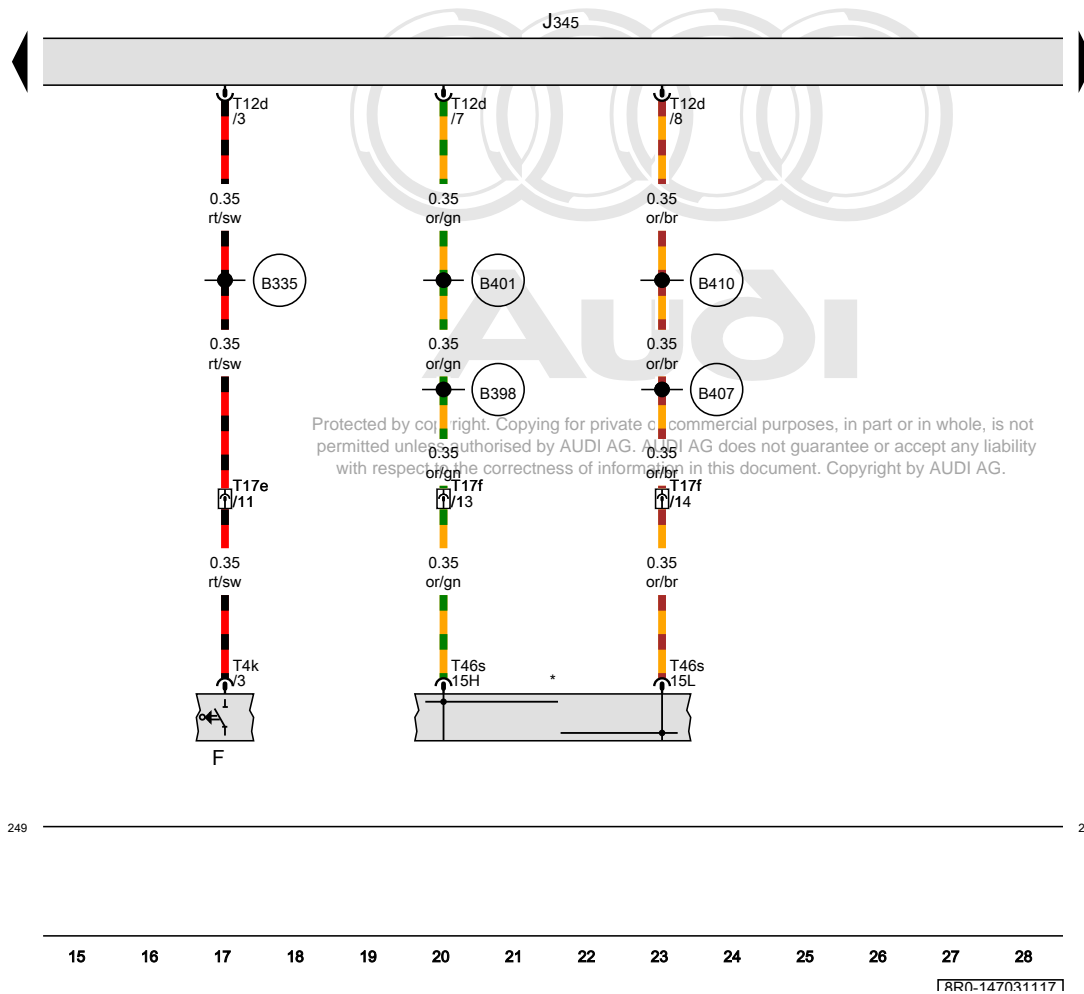
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# Brake Lamp Switch, Towing Recognition Control Module

- F Brake Lamp Switch
- J345 Towing Recognition Control Module
- T4k 4-Pin Connector
- T12d 12-Pin Connector
- T17e 17-Pin Connector, Red
- T17f 17-Pin Connector, Brown
- T46s 46-Pin Connector

- 249 Ground Connection 2 (in Interior Wiring Harness)
- B335 Connection 54 (in Main Wiring Harness) 1
- B398 Comfort System CAN Bus High Connection 2 (in Main Wiring Harness)
- B401 Comfort System CAN Bus High Connection 5 (in Main Wiring Harness)
- B407 Comfort System CAN Bus Low Connection 2 (in Main Wiring Harness)
- B410 Comfort System CAN Bus Low Connection 5 (in Main Wiring Harness)
- \* Front Passenger Connection Bridge, Brown





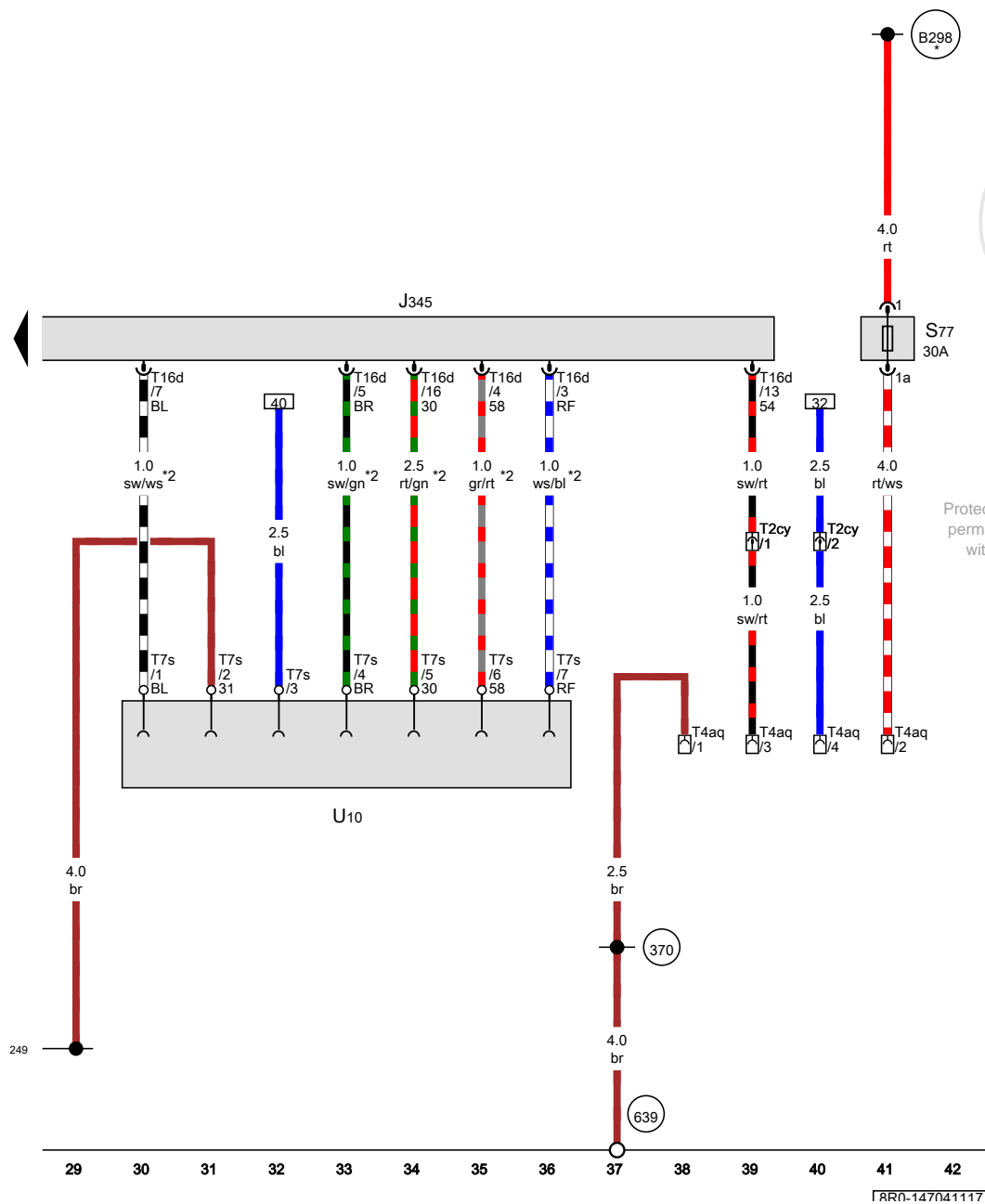
# Towing Recognition Control Module, Trailer Socket

- J345 Towing Recognition Control Module
- S77 Trailer Fuse (Terminal 30), B+
- T2cy 2-Pin Connector, Near the Center Console
- T4aq 4-Pin Connector, Black
- T7s 7-Pin Connector, Black
- T16d 16-Pin Connector
- U10 Trailer Socket

- 249 Ground Connection 2 (in Interior Wiring Harness)
- 370 Ground Connection 5 (in Main Wiring Harness)
- 639 Ground Connection on Left A-Pillar
- B298 Positive Connection 2 (30) (in Main Wiring Harness)

\* Refer to Applicable Wiring Diagram for Fuse Positions  
\*2 Different Wire Color Possible

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[RRN-147041117]

## 1 Comp. Loc. Grounds

### 1.1 Overview of Ground Connections

609 - Ground Connection (in plenum chamber, right)

❑ Component Location: ⇒ [page 6](#)

638 - Ground Connection (on right A-pillar)

❑ Component Location: ⇒ [page 8](#)

688 - Ground Connection 2 (on center tunnel)

❑ Component Location: ⇒ [page 9](#)

687 - Ground Connection 1 (on center tunnel)

❑ Component Location: ⇒ [page 8](#)

663 - Ground Connection (in right rear side panel)

❑ Component Location: ⇒ [page 9](#)

51 - Ground Connection (in luggage compartment, right)

❑ Component Location: ⇒ [page 13](#)

654 - Ground Connection (on right D-pillar)

❑ Component Location: ⇒ [page 13](#)

666 - Ground Connection (on right rear roof)

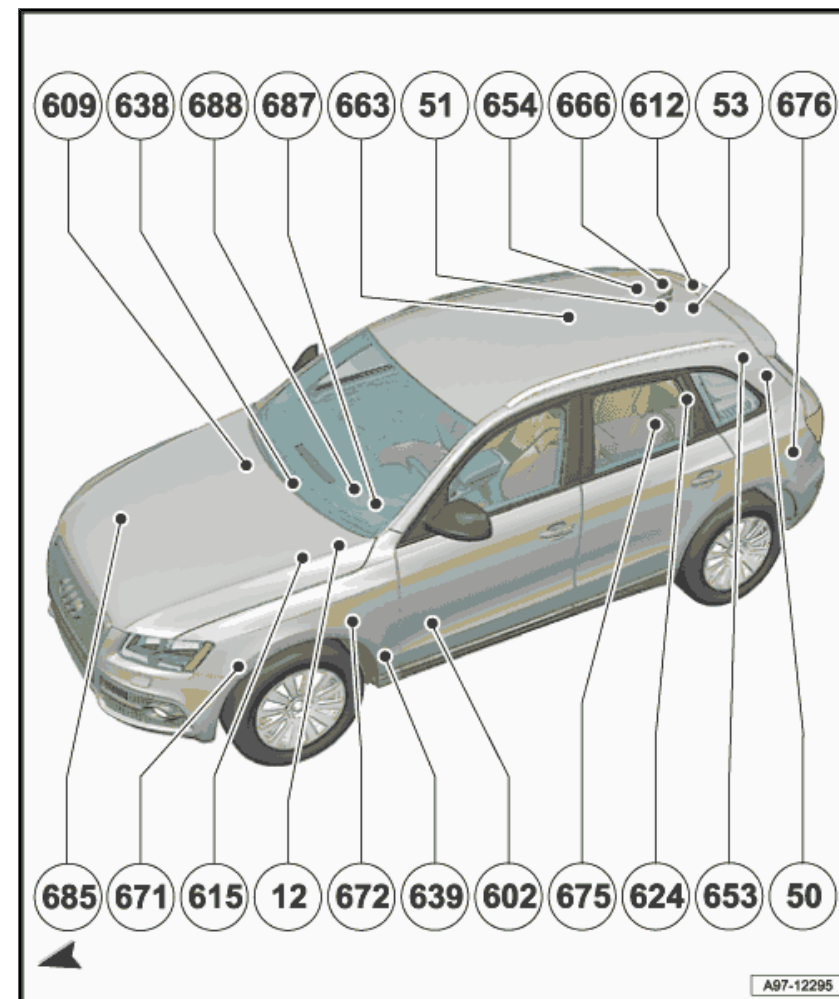
❑ Component Location: ⇒ [page 11](#)

612 - Ground Connection (in rear lid, center)

❑ Component Location: ⇒ [page 14](#)

53 - Ground Connection (in rear lid, right)

❑ Component Location: ⇒ [page 14](#)



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**676 - Ground Connection 2 (in left luggage compartment)**

- ☐ Component Location: [⇒ page 12](#)

**50 - Ground Connection (in luggage compartment, left)**

- ☐ Component Location: [⇒ page 13](#)

**653 - Ground Connection (on left D-pillar)**

- ☐ Component Location: [⇒ page 12](#)

**624 - Ground Connection (near starter battery)**

- ☐ Component Location for models without High-Voltage System (hybrid): [⇒ page 10](#)
- ☐ Component Location for models with High-Voltage System (hybrid): [⇒ page 10](#)

**675 - Ground Connection 2 (in right luggage compartment)**

- ☐ Component Location: [⇒ page 11](#)

**602 - Ground Connection (in front left footwell)**

- ☐ Component Location: [⇒ page 7](#)

**639 - Ground Connection (on left A-pillar)**

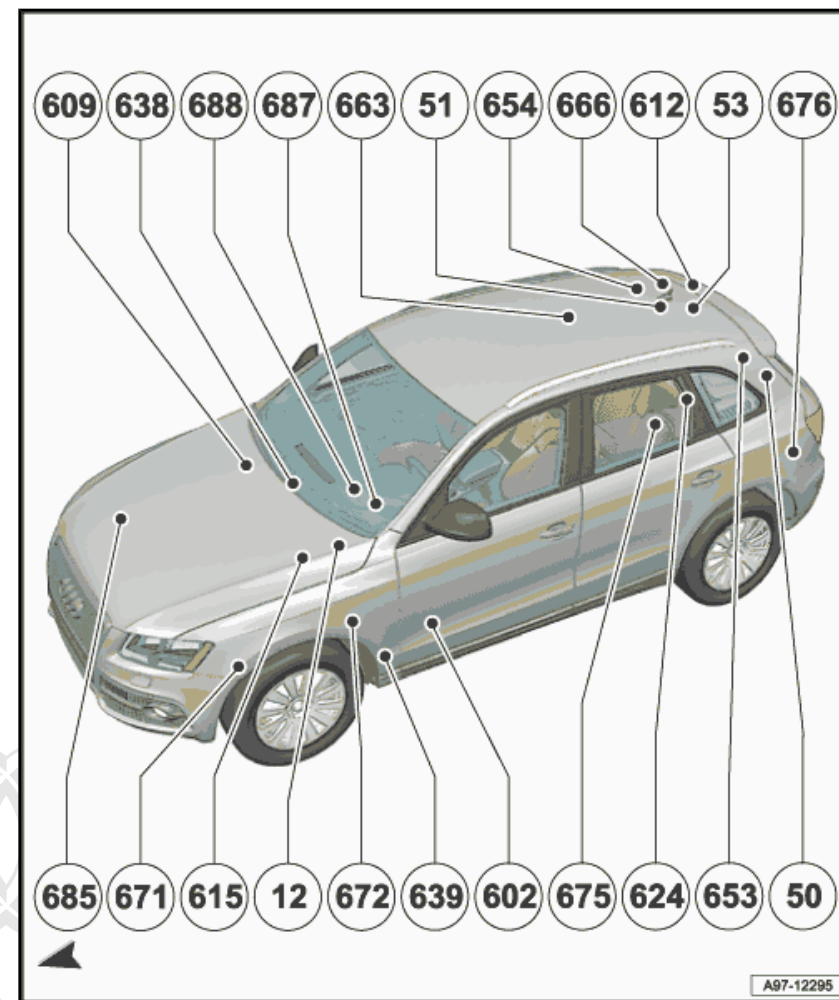
- ☐ Component Location: [⇒ page 7](#)

**672 - Ground Connection 2 (on left front long member)**

- ☐ Component Location: [⇒ page 4](#)

**12 - Ground Connection (in engine compartment, left)**

- ☐ Component Location: [⇒ page 6](#)



**615 - Ground Connection, on left suspension strut**

❑ Component Location: ⇒ [page 5](#)

**671 - Ground Connection 1 (on left front long member)**

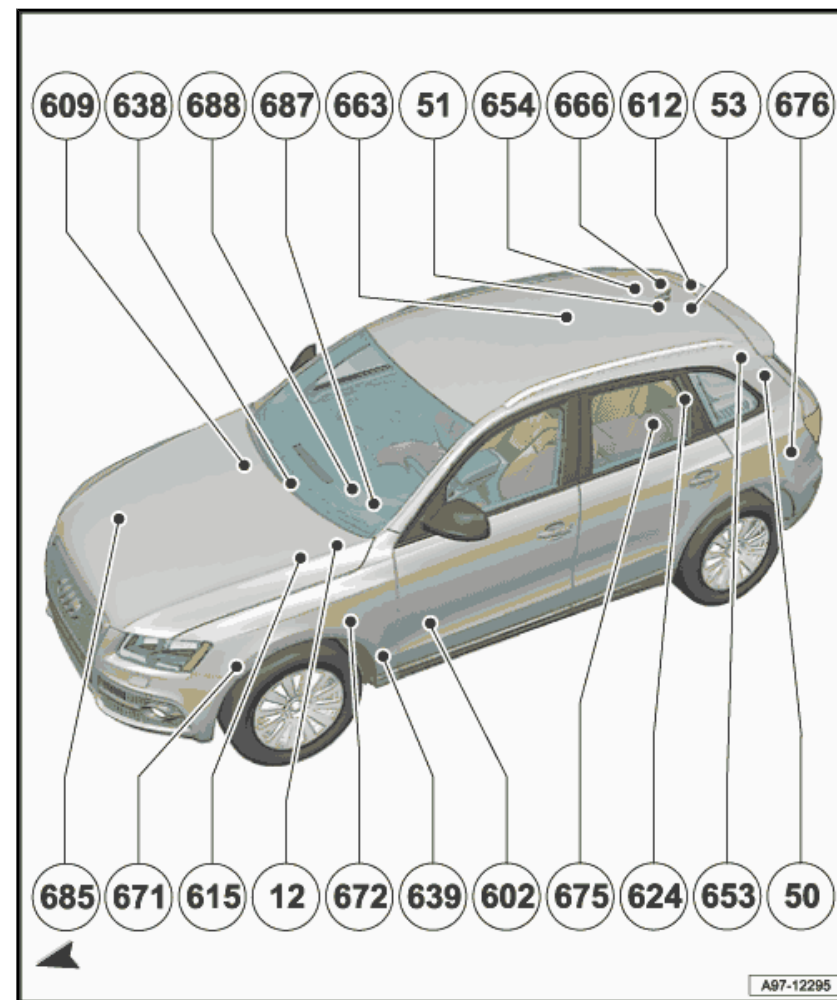
❑ Component Location: ⇒ [page 5](#)

**685 - Ground Connection 1 (on right front long member)**

❑ Component Location: ⇒ [page 4](#)



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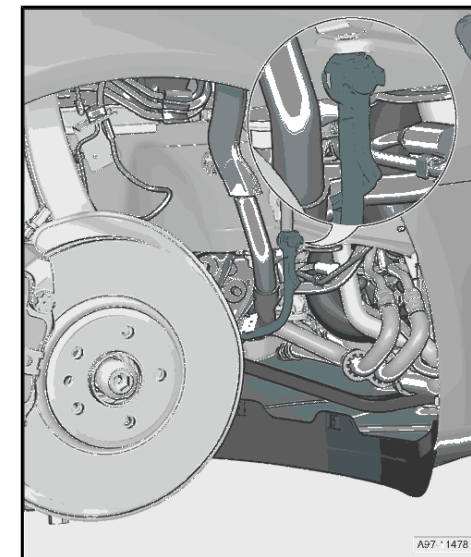
685 - Ground Connection 1 (on right front long member)

**Component Location:**

On right front long member, behind wheel housing liner

**Torque Setting:**

20 Nm



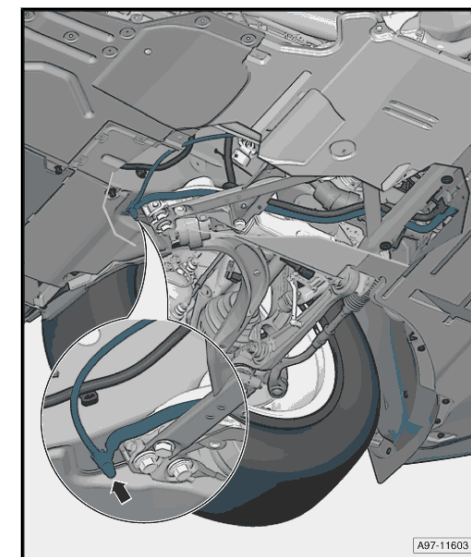
672 - Ground Connection 2 on left front long member -Arrow-

**Component Location:**

On left lower front long member.

**Torque Setting:**

20 Nm



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671 - Ground Connection 1 (on left front long member)

**Component Location:**

On long member, near front left wheel housing

**Torque Setting:**

9 Nm



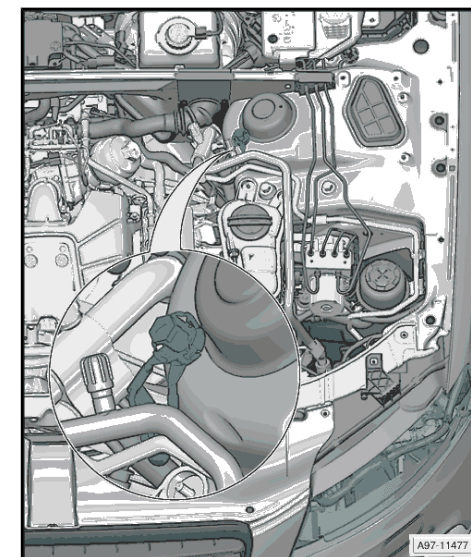
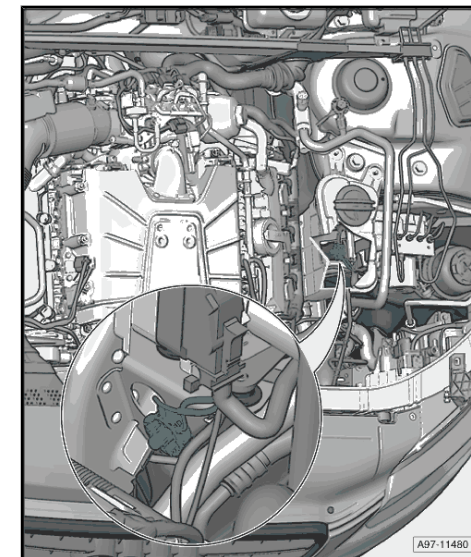
615 - Ground Connection, on left suspension strut

**Component Location:**

On front left suspension strut chamber

**Torque Setting:**

9 Nm





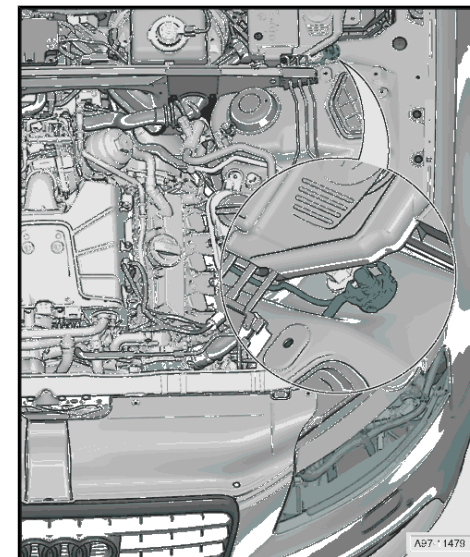
12 - Ground Connection (in engine compartment, left)

**Component Location:**

Between suspension strut chamber and plenum chamber, front left

**Torque Setting:**

9 Nm



609 - Ground Connection (in plenum chamber, right)

**Component Location:**

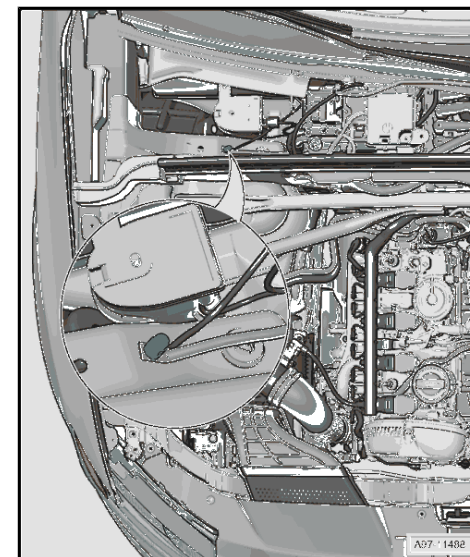
In plenum chamber.

**Torque Setting:**

9 Nm



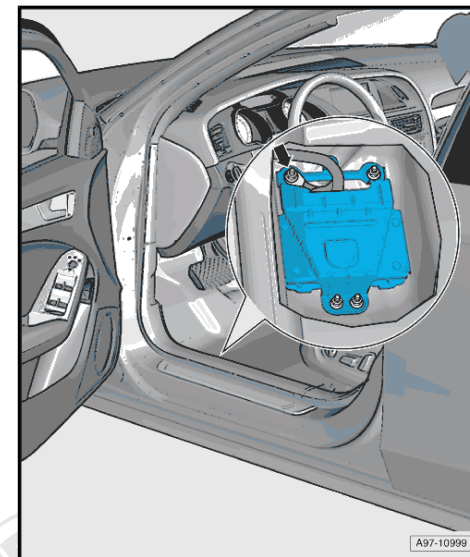
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602 - Ground Connection (in front left footwell) -Arrow-

**Component Location:**

Under carpeted floor in driver's footwell



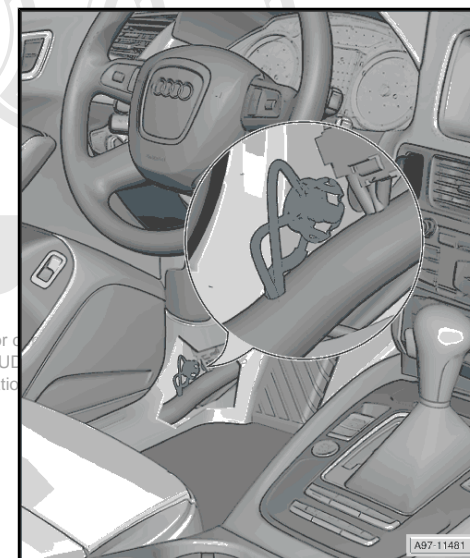
639 - Ground Connection (on left A-pillar)

**Component Location:**

Behind left lower A-pillar trim

**Torque Setting:**

9 Nm



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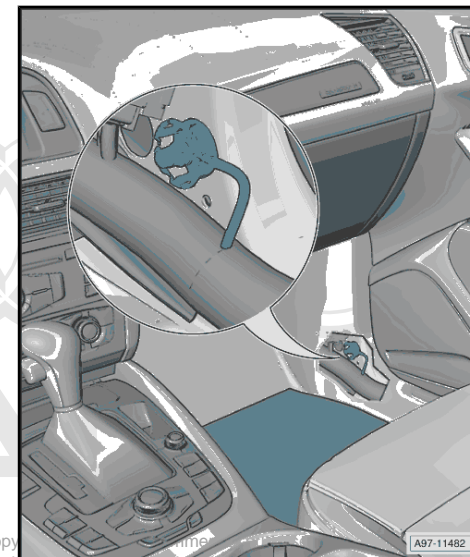
638 - Ground Connection (on right A-pillar)

**Component Location:**

Behind right lower A-pillar trim

**Torque Setting:**

9 Nm



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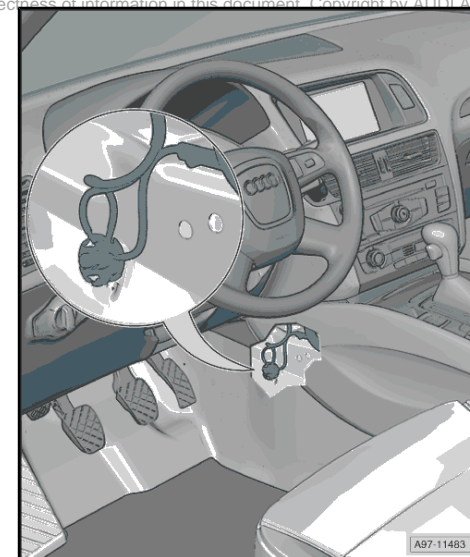
687 - Ground Connection 1 (on center tunnel)

**Component Location:**

On left side of centre tunnel

**Torque Setting:**

9 Nm



688 - Ground Connection 2 (on center tunnel)

**Component Location:**

On right side of centre tunnel

**Torque Setting:**

9 Nm



663 - Ground Connection (in right rear side panel)

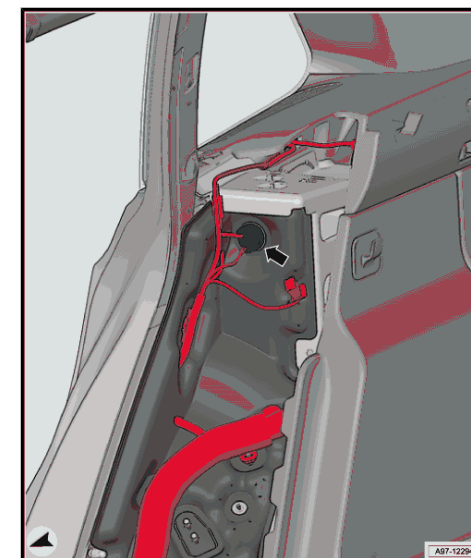
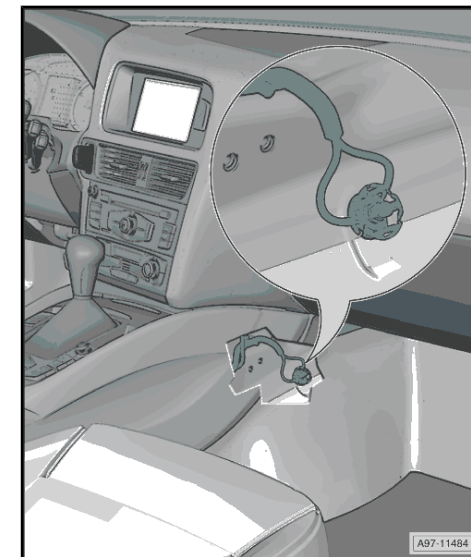
**Component Location:**

Behind trim / seatback right rear.

**Torque Setting:**

9 Nm

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624 - Ground Connection (near starter battery)

**Component Location:**

Below the floor panel in the luggage compartment, right beside starter battery

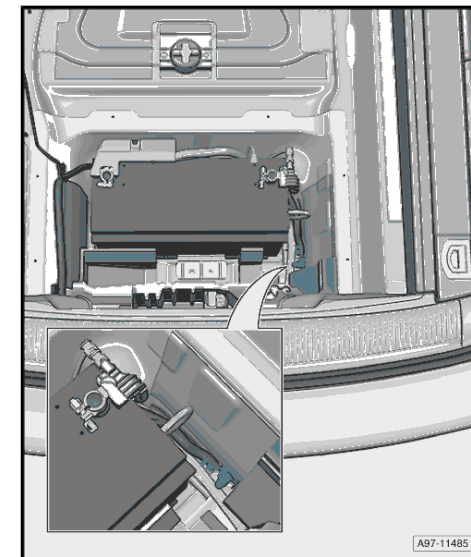


**Note**

- ◆ *Illustration shows models without high-voltage system (hybrid).*
- ◆ *Illustration for models with high-voltage system (hybrid)*  
⇒ [page 10](#).

**Torque Setting:**

18 Nm



624 - Ground Connection (near starter battery)

**Component Location:**

Below the floor panel in the luggage compartment, right beside starter battery

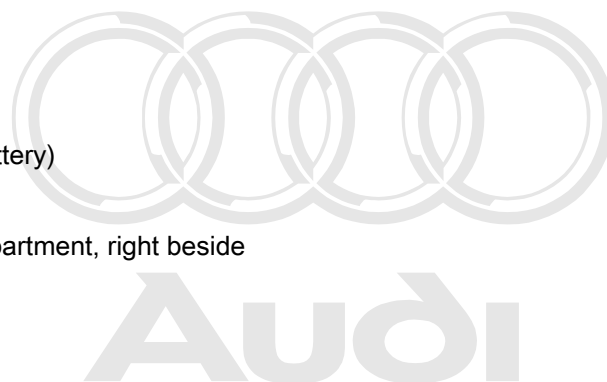
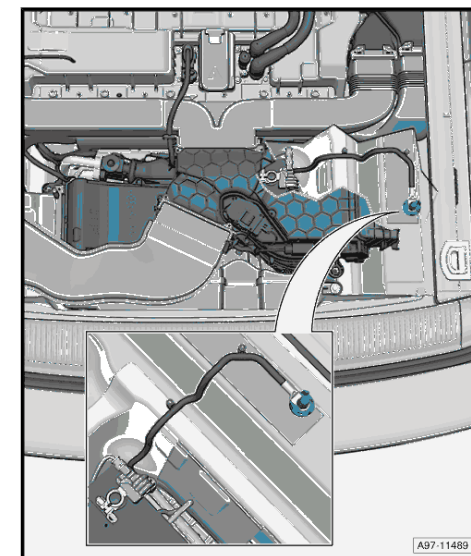


**Note**

- ◆ *Illustration shows models with high-voltage system (hybrid).*
- ◆ *Illustration for models without high-voltage system (hybrid)*  
⇒ [page 10](#).

**Torque Setting:**

18 Nm



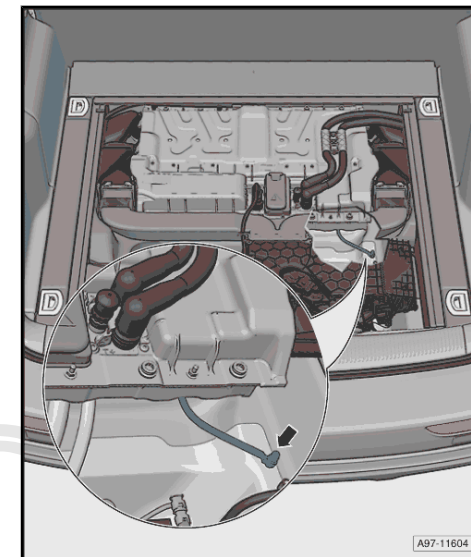
675 - Ground Connection 2 (in luggage compartment, right)  
-Arrow-

**Component Location:**

Below the floor panel in the luggage compartment, right beside starter battery

**Torque Setting:**

9 Nm



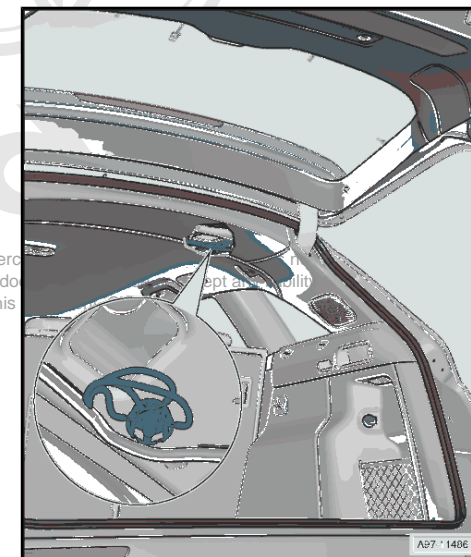
666 - Ground Connection (on right rear roof)

**Component Location:**

Below rear roof cross member trim

**Torque Setting:**

9 Nm

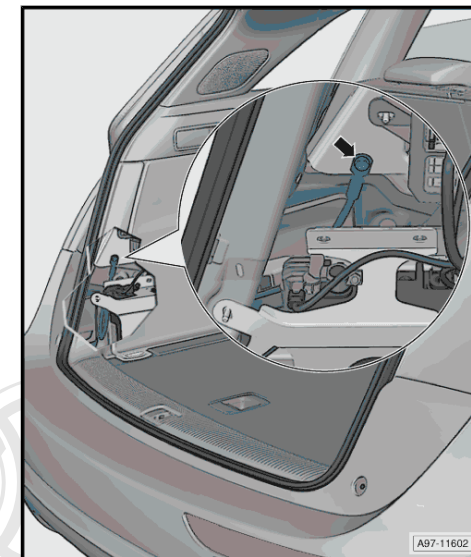


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676 - Ground Connection 2 (in luggage compartment, left)  
-Arrow-

**Component Location:**

Below trim, in left luggage compartment



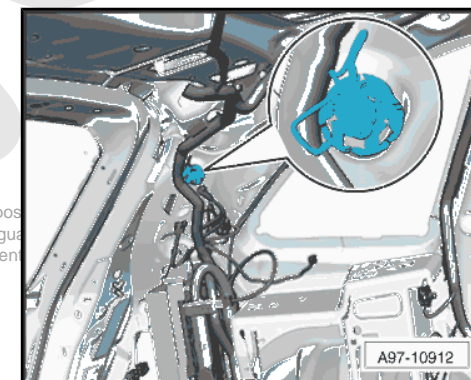
653 - Ground Connection (on left D-pillar)

**Component Location:**

Behind left D-pillar trim

**Torque Setting:**

9 Nm



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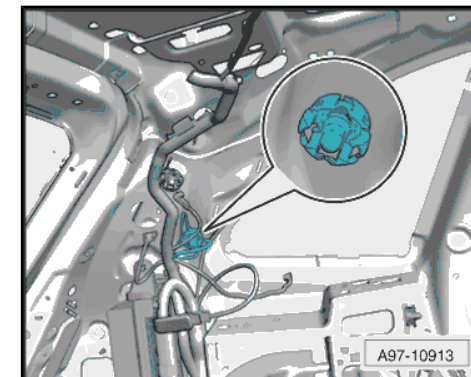
50 - Ground Connection (in luggage compartment, left)

**Component Location:**

Behind left D-pillar trim

**Torque Setting:**

9 Nm



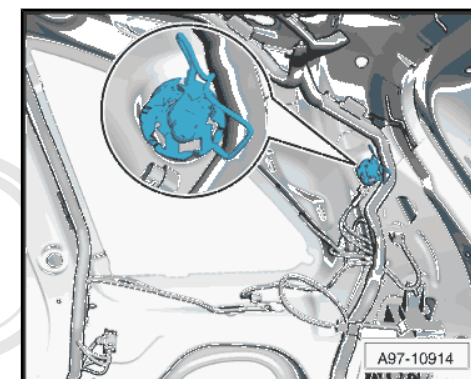
654 - Ground Connection (on right D-pillar)

**Component Location:**

Behind right D-pillar trim

**Torque Setting:**

9 Nm



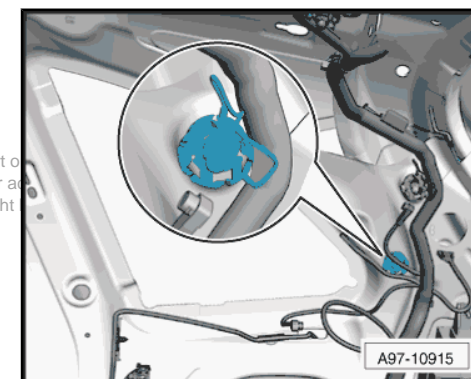
51 - Ground Connection (in luggage compartment, right)

**Component Location:**

Behind right D-pillar trim

**Torque Setting:**

9 Nm



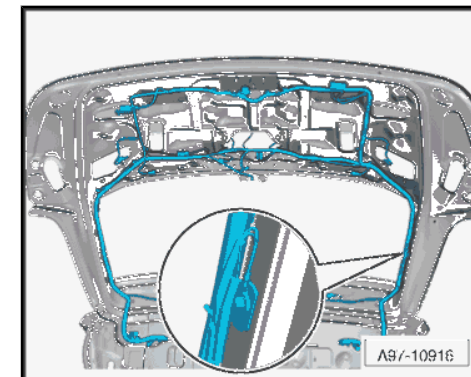
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53 - Ground Connection (in rear lid, right)

**Component Location:**

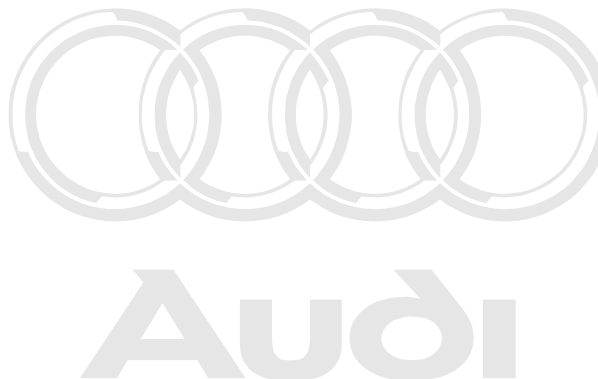
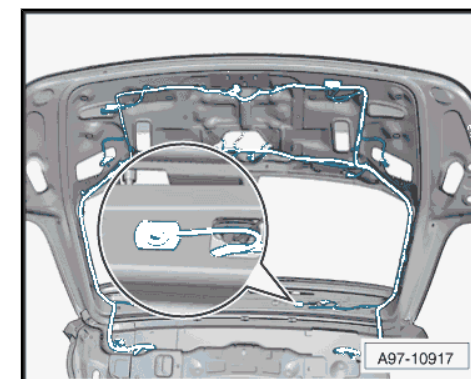
On right rear window frame, behind trim



612 - Ground Connection (in rear lid, center)

**Component Location:**

On upper rear lid, near third brake light



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## 1 Comp. Loc. Fuses

### 1.1 Overview of Fuses

#### 1 - Fuse Panel A -SA-

- ☐ Component Location: [⇒ page 2](#)

#### 1 - Battery Separation Relay Fuse

- ☐ Component Location beside Auxiliary Battery
- ☐ Battery Separation Relay Fuse -S171- , / Special Purpose Vehicle Fuse 15 -S305- , 125A
- ☐ Auxiliary Battery Fuse -S65-

#### 2 - Fuse Panel C -SC-

- ☐ Component Location for models with left-hand drive, including through model year 2009 [⇒ page 15](#)
- ☐ Component Location for models with left-hand drive, from model year 2010 [⇒ page 19](#)
- ☐ Component Location for models with left-hand drive, from model year 2013 [⇒ page 23](#)

#### 3 - Relay / fuse panel with Vehicle Electrical System Control Module -J519-

- ☐ Component Location for models with left-hand drive [⇒ page 55](#)

#### 4 - 6-Pin connector station A-pillar, driver's side

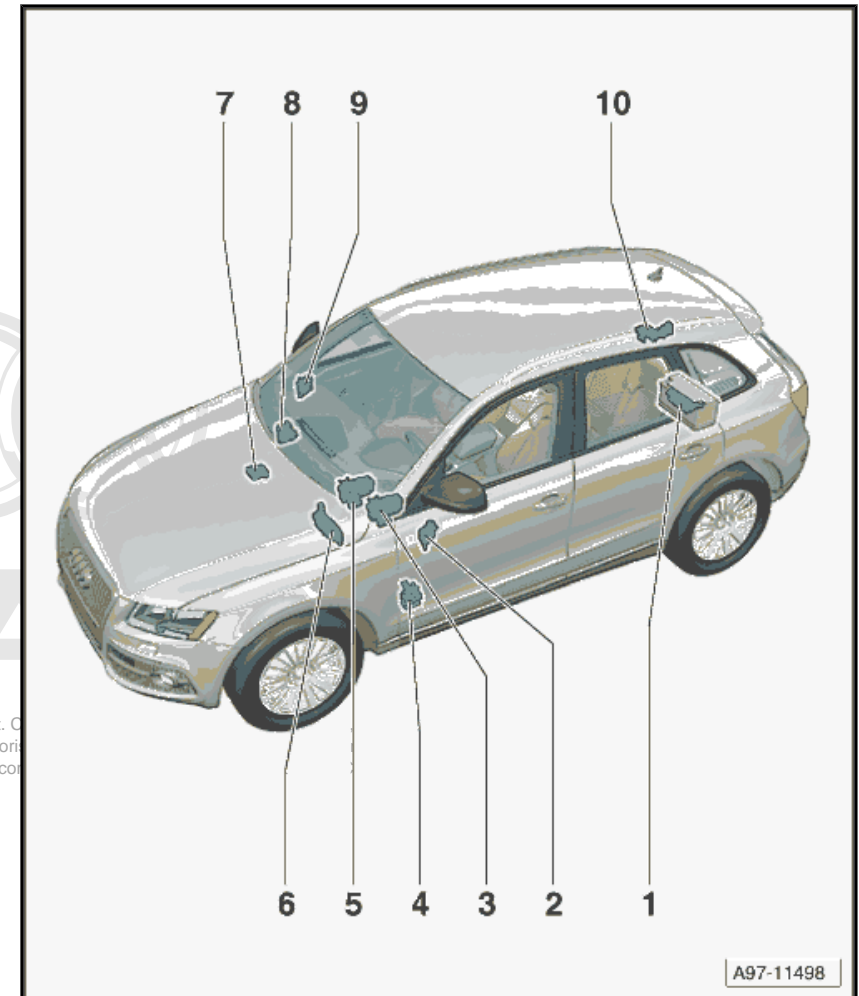
- ☐ Component Location for models with left-hand drive [⇒ page 52](#)

#### 5 - 3-Pin relay / fuse panel

- ☐ Component Location for models with left-hand drive [⇒ page 51](#)

#### 6 - Relay / fuse panel B -SB-

- ☐ Component Location for models with left-hand drive, including through model year 2012 [⇒ page 4](#)
- ☐ Component Location for models with High-Voltage System (hybrid), including through model







year 2012: [⇒ page 8](#)

- ☐ Component Location for models with left-hand drive, from model year 2013: [⇒ page 11](#)

7 -

### Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6-

- ☐ Component Location for models without high-voltage system, through May 2012: [⇒ page 45](#)
- ☐ Component Location for models without high-voltage system, from June 2012: [⇒ page 47](#)
- ☐ Component Location for models with high-voltage system (Hybrid), from June 2011: [⇒ page 47](#)
- ☐ Component Location for models (SQ5), from November 2015: [⇒ page 49](#)

8 -

### 6-Pin connector station A-pillar, front passenger's side

- ☐ Component Location for models with left-hand drive [⇒ page 54](#)

### 9 - Fuse panel D -SD-

- ☐ Component Location for models with left-hand drive [⇒ page 27](#)

10 -

### Relay / Fuse Panel F -SF-

- ☐ Component Location including through model year 2009 [⇒ page 30](#)
- ☐ Component Location from model year 2010 [⇒ page 35](#)
- ☐ Component Location from model year 2013: [⇒ page 40](#)

## 1.2 Fuse Panel A -SA-

1) Not for models with high-voltage system (hybrid)

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**Component Location:**

On battery positive terminal in luggage compartment

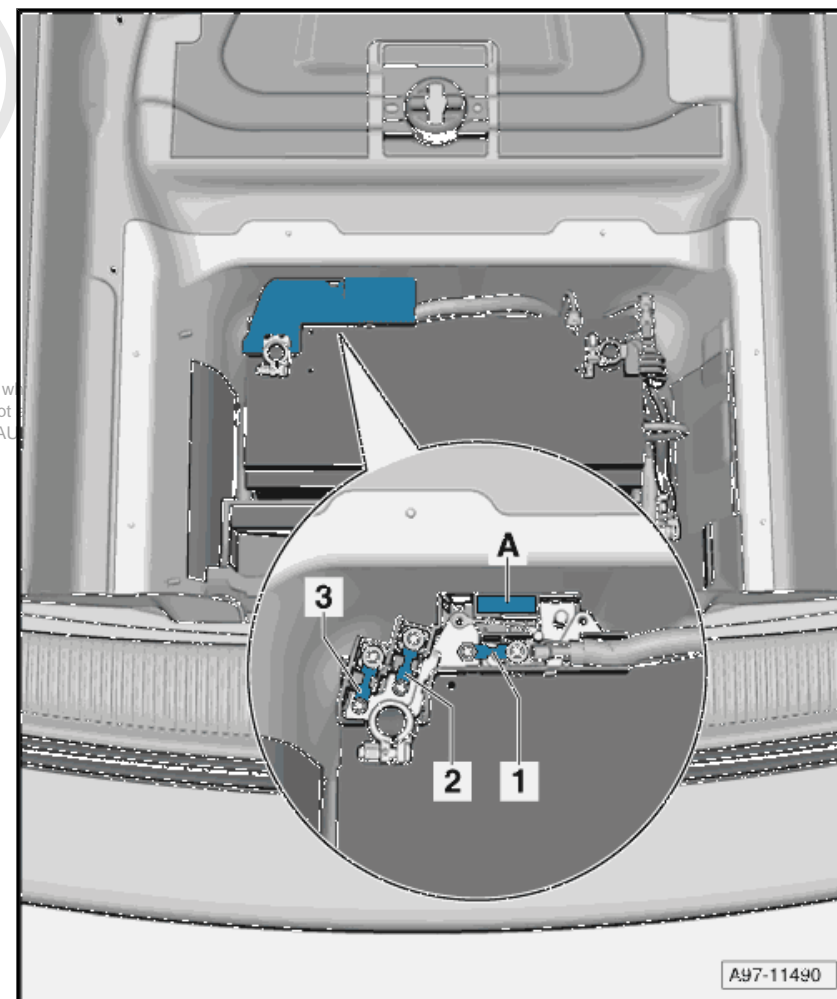
**A - Battery Interrupt Igniter -N253-**

1 - Fuse 1 (on fuse panel A) -SA1- <sup>1)</sup>, ⇒ [page 4](#)

2 - Fuse 2 (on fuse panel A) -SA2- <sup>1)</sup>, ⇒ [page 4](#)

3 - Fuse 3 (on fuse panel A) -SA3- <sup>1)</sup>, ⇒ [page 4](#)

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A97-11490

### 1.2.1 Fuses on fuse panel A -SA-

- 2) Only models with left-hand drive
- 3) Only models with right-hand drive
- 4) Not for models with high-voltage system (hybrid)
- 5) Only models with Taxi equipment
- 6) Only models with 7-speed direct shift gearbox
- 7) Only models with criminal investigation/Doctor equipment

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1- <sup>4)</sup>	110 A	- Vehicle Electrical System Supply Engine Component Supply Reducing Agent Metering System Relay -J963-	30
2	- Fuse 2 (on fuse panel A) -SA2- <sup>4)</sup>	110 A	- Vehicle Electrical System Supply Engine Component Supply ABS Control Module Fuse 1 -S123- <sup>2)</sup>	30
3	- Fuse 3 (on fuse panel A) -SA3- <sup>4)</sup>	40 A 50 A <sup>5)</sup> <sup>6)</sup> 110 A <sup>7)</sup> 80 A <sup>3)</sup>	- Driving School Option Rental Car Option Council Car Option Direct Shift Gearbox (DSG) Mechatronic -J743- <sup>6)</sup> ABS Control Module Fuse 1 -S123- <sup>3)</sup> ABS Control Module Fuse 2 -S124- <sup>3)</sup> ABS Control Module Fuse 3 -S137- <sup>3)</sup>	30

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### 1.3 Relay / fuse panel B -SB- including through model year 2012

**Component Location Relay/ Fuse Panel B -SB- for models with left-hand drive through model year 2012:**

In Electronics Box (in plenum chamber, driver's side)

- 8) Only models with 4 cylinder diesel engine
- 9) Only models with 6 cylinder diesel engine
- 10) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)
- 11) Only models with 6 cylinder gasoline engine



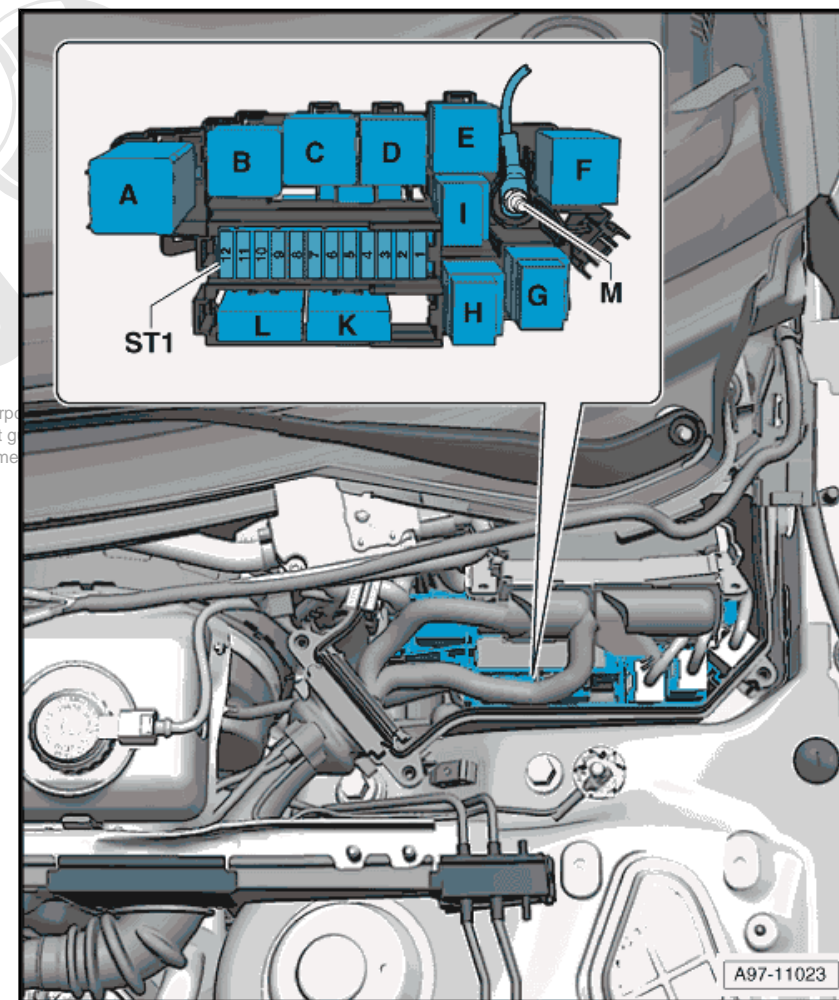
#### Note

*Illustration shows models with left-hand drive.*

- K - Strip fuse for engine glow plugs -S39- <sup>8)</sup>, 60 A
- K - Strip fuse for engine glow plugs -S39- <sup>9)</sup>, 80 A
- K - Secondary Air Injection (AIR) Pump Fuse -S130- <sup>10)</sup>, <sup>11)</sup>, 50 A
- L - Safety fuse 1 -S131- <sup>10)</sup>, 50 A
- L - NOX Sensor Fuse -S360- <sup>8)</sup>, 5 A
- ST1 - Fuse Carrier 1

◆ Position of fuses ⇒ [page 5](#)

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### 1.3.1 Fuses in Fuse Carrier ST1 on Fuse Panel B -SB- (black) for models without High-Voltage System (hybrid), including through model year 2012

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

12) Only models with 4 cylinder gasoline engine (1.8L TFSI)

13) Only models with 4 cylinder gasoline engine (2.0L TFSI)

14) Only models with 6 cylinder gasoline engine (3.2L FSI)

15) Only models with 6 cylinder gasoline engine (3.0L TFSI)

16) Only models with 4 cylinder diesel engine (2.0L TDI)

17) Only models with 4 cylinder diesel engine (2.0L TDI - EU3)

18) Only models with 4 cylinder diesel engine (2.0L TDI - Generation 2)

19) Only models with 6 cylinder diesel engine

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	15 A	- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	30
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Oil Level Thermal Sensor -G266-	87
3	- Fuse 3 (on fuse panel B) -SB3-	5 A	- Mass Air Flow (MAF) Sensor -G70- Engine Control Module (ECM) -J623-	15
4	- Fuse 4 (on fuse panel B) -SB4-	5 A	- Engine Control Module (ECM) -J623-	30



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5	Fuse 5 (on fuse panel B) -SB5-	10 A <sup>13)</sup> , 15 A <sup>14)</sup> , 15 A <sup>15)</sup> , 15 A <sup>16)</sup> , 15 A <sup>17)</sup> , 15 A <sup>18)</sup> , 15 A <sup>19)</sup> , 20 A <sup>12)</sup>	- Automatic Glow Time Control Module -J179- - Secondary Air Injection (AIR) Pump Relay -J299- - Throttle Valve Control Module -J338- - Preheating Coolant, Low Heat Output Relay -J359- - High heat output relay -J360- - Wastegate Bypass Regulator Valve -N75- - Positive Crankcase Ventilation (PCV) Heating Element -N79- - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- - Secondary Air Injection (AIR) Solenoid Valve -N112- - Left Electrohydraulic Engine Mounting Regulator Valve -N144- - Right Electrohydraulic Engine Mounting Regulator Valve -N145- - Intake Manifold Tuning (IMT) Valve -N156- - Air Filter Bypass Flap Valve -N275- - Fuel Pressure Regulator Valve -N276- - Fuel Metering Valve -N290- - Cylinder 9 Fuel Injector -N299- - Intake Manifold Runner Control (IMRC) Valve -N316- - Secondary Air Injection (AIR) Solenoid Valve 2 -N320- - Exhaust Gas Recirculation (EGR) Cooler Switch-Over Valve -N345- - Oil Pressure Regulation Valve -N428- - Leak Detection Pump (LDP) -V144-	87
6	Fuse 6 (on fuse panel B) -SB6-	15 A	- Engine Control Module (ECM) -J623-	87
7	Fuse 7 (on fuse panel B) -SB7-	10 A <sup>12)</sup> , 10 A <sup>15)</sup> , 10 A <sup>16)</sup> , 10 A <sup>17)</sup> , 10 A <sup>18)</sup> , 10 A <sup>19)</sup> , 15 A <sup>13)</sup> , 15 A <sup>14)</sup>	- Actuator 1 for camshaft adjustment -F366- - through - Actuator 8 for camshaft adjustment -F373- - Actuator 9 for camshaft adjustment -F374- - through - Actuator 12 for camshaft adjustment -F377- - Coolant Circulation Pump Relay -J151- - Auxiliary Engine Coolant (EC) Pump Relay -J496- - Wastegate Bypass Regulator Valve -N75- - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- - Left Electrohydraulic Engine Mounting Regulator Valve -N144- - Right Electrohydraulic Engine Mounting Regulator Valve -N145- - Camshaft Adjustment Valve 1 -N205- - Camshaft Adjustment Valve 2 -N208- - Turbocharger Recirculating Valve -N249- - Fuel Pressure Regulator Valve -N276- - Fuel Metering Valve -N290- - Intake Manifold Runner Control (IMRC) Valve -N316- - Camshaft Adjustment Valve 1 (exhaust) -N318- - Camshaft Adjustment Valve 2 (exhaust) -N319- - Engine Coolant (EC) Switch-Off Valve (Climatronic) -N422- - Oil Pressure Regulation Valve -N428- - Leak Detection Pump (LDP) -V144- - Charge Air Cooling Pump -V188-	87

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8	Fuse 8 (on fuse panel B) -SB8-	5 A <sup>18)</sup> 10 A <sup>16)</sup> , 10 A <sup>17)</sup> 10 A <sup>19)</sup> 20 A <sup>12)</sup> 20 A <sup>13)</sup> , 20 A <sup>14)</sup> 20 A <sup>15)</sup> ,	- Exhaust Gas Recirculation (EGR) Cooler Pump -V400- 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- Ignition Coil 5 with Power Output Stage -N323- Ignition Coil 6 with Power Output Stage -N324-	87
9	Fuse 9 (on fuse panel B) -SB9-	5 A <sup>18)</sup> 15 A <sup>14)</sup> 15 A <sup>15)</sup> , 20 A <sup>16)</sup> , 20 A <sup>17)</sup> 20 A <sup>19)</sup>	- Auxiliary Fuel Pump Relay -J832- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC) -Z30-	87
10	Fuse 10 (on fuse panel B) -SB10-	10 A <sup>18)</sup> 15 A <sup>12)</sup> 15 A <sup>13)</sup> , 15 A <sup>14)</sup> 15 A <sup>15)</sup> , 15 A <sup>16)</sup> , 15 A <sup>19)</sup>	- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 2 -Z28- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29-	87
11	Fuse 11 (on fuse panel B) -SB11-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671-	87
12	- Fuse 12 (on fuse panel B) -SB12-	5 A	- Mass Air Flow (MAF) Sensor -G70- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	15

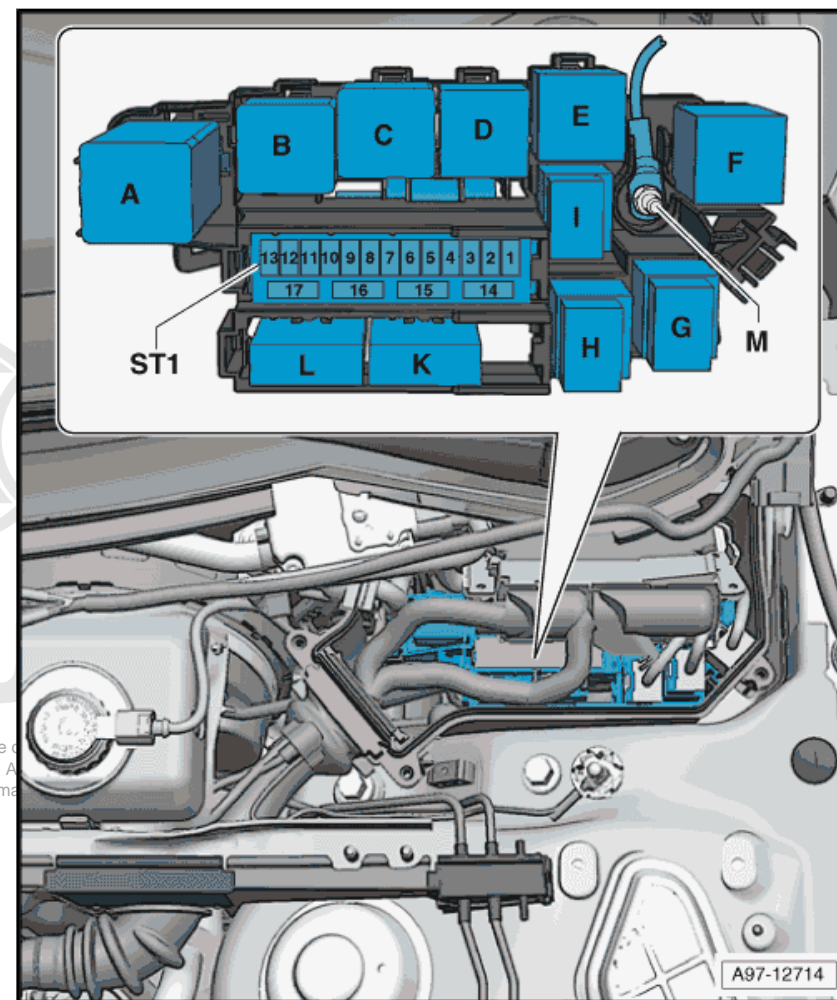
### 1.3.2 Fuses in Fuse Carrier ST1 on Fuse Panel B -SB- (black) with High-Voltage System (hybrid), including through model year 2012



K - Secondary Air Injection (AIR) Pump Fuse -S130- , 50 A

L - Transmission Hydraulic Pump Relay -J510- , 50 A

ST1 - Fuse Carrier 1, fuses



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#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue



10 A - red

7,5 A - brown

5 A - beige

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	Fuse 1 (on fuse panel B) -SB1-	15 A	- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	30
2	Fuse 2 (on fuse panel B) -SB2-	5 A	- Oil Level Thermal Sensor -G266-	87
3	Fuse 3 (on fuse panel B) -SB3-	5 A	- Mass Air Flow (MAF) Sensor -G70- Engine Control Module (ECM) -J623- Electric Drive Power and Control Electronics -JX1-	87
4	Fuse 4 (on fuse panel B) -SB4-	5 A	- Engine Control Module (ECM) -J623-	30
5	Fuse 5 (on fuse panel B) -SB5-	10 A	- Engine Coolant (EC) Switch-Off Valve -N82- Fuel Pressure Regulator Valve -N276-	87
6	Fuse 6 (on fuse panel B) -SB6-	15 A	- Engine Control Module (ECM) -J623-	87
7	Fuse 7 (on fuse panel B) -SB7-	15 A	- Actuator 1 for camshaft adjustment -F366- through Actuator 8 for camshaft adjustment -F373- Secondary Air Injection (AIR) Pump Relay -J299- Wastegate Bypass Regulator Valve -N75- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Camshaft Adjustment Valve 1 -N205- Turbocharger Recirculating Valve -N249- Intake Manifold Runner Control (IMRC) Valve -N316- Exhaust Flap Valve 1 -N321- Engine Coolant (EC) Switch-Off Valve (Climatronic) -N422- Oil Pressure Regulation Valve -N428- After-Run Coolant Pump -V51- High Temperature Circuit Coolant Pump -V467-	87
8	Fuse 8 (on fuse panel B) -SB8-	5 A	- Electric Drive Power and Control Electronics -JX1-	30
9	Fuse 9 (on fuse panel B) -SB9-	5 A	- Power Steering Control Module -J500-	87
10	Fuse 10 (on fuse panel B) -SB10-	15 A	- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29-	87
11	Fuse 11 (on fuse panel B) -SB11-	5 A	- Coolant fan control module -J293- Coolant Fan -V7- Coolant Fan 2 -V177-	87
12	Fuse 12 (on fuse panel B) -SB12-	5 A	- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	87

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13	Fuse 13 (on fuse panel B) -SB13-	5 A	- A/C Compressor Control Module -J842- Electrical A/C Compressor -V470-	87
14	Fuse 14 (on fuse panel B) -SB14-	20 A	- 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-	87
15	Fuse 15 (on fuse panel B) -SB15-		- Not used	
16	Fuse 16 (on fuse panel B) -SB16-	5 A	- Low Temperature Circuit Coolant Pump -V468-	87
17	- Fuse 17 (on fuse panel B) -SB17-	5 A	- Engine Control Module (ECM) -J623-	50

## 1.4 Relay/ fuse panel B -SB- from model year 2013

**Component Location Relay/ Fuse Panel B -SB- for models with left-hand drive, from model year 2013:**

In Electronics Box (in plenum chamber, driver's side)

20) Only models with 4 cylinder diesel engine

21) Only models with 6 cylinder diesel engine

22) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

23) Only models with 6 cylinder gasoline engine

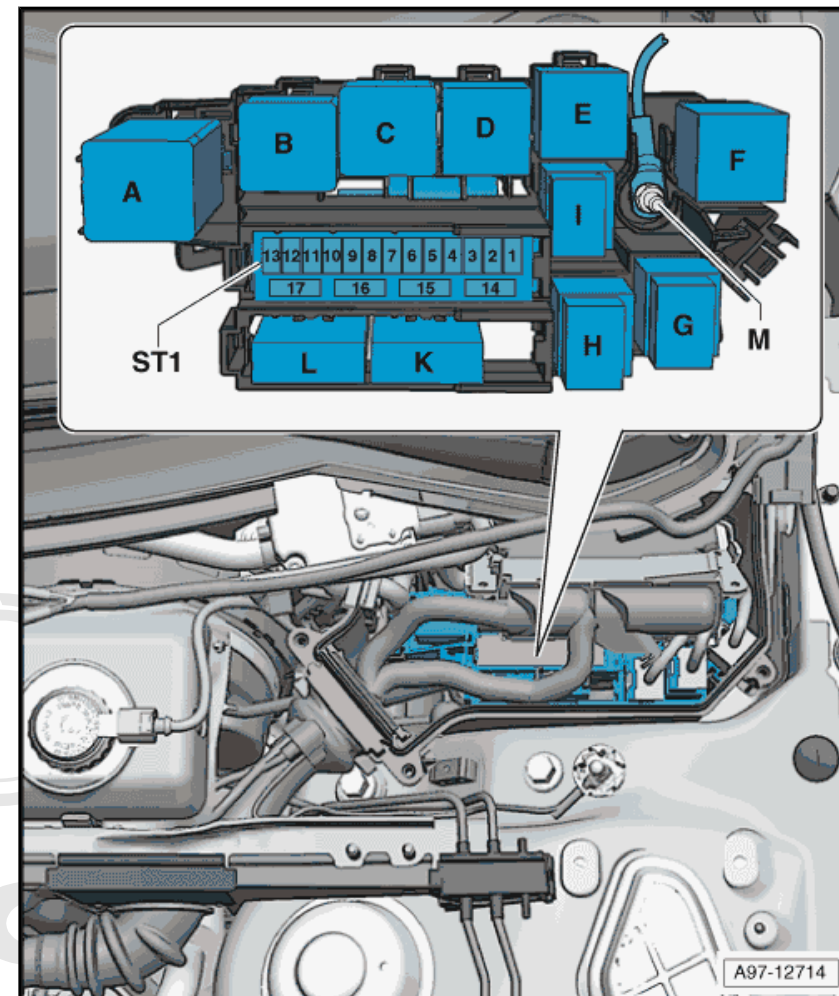


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*Illustration shows models with left-hand drive.*

- K - Strip fuse for engine glow plugs -S39- , 60 A <sup>20)</sup>
- K - Strip fuse for engine glow plugs -S39- , 80 A <sup>21)</sup>
- K - Secondary Air Injection (AIR) Pump Fuse -S130- , 50 A <sup>23)</sup>
- L - Transmission Hydraulic Pump Relay -J510- , 50 A <sup>22)</sup>
- ST1 - Fuse Carrier 1, fuses



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#### 1.4.1 Fuses in Fuse Carrier ST1 on Fuse Panel B -SB- (black) from model year 2013

##### Fuse Colours

- 35 A - green-blue
- 30 A - green
- 25 A - white
- 20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

24) Only models with 4 cylinder gasoline engine (2.0L TFSI - Generation 3)

25) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

26) Only models with 6 cylinder gasoline engine (3.0L TFSI)

27) Only models with 4 cylinder diesel engine (2.0L TDI)

28) Only models with 6 cylinder diesel engine (3.0L TDI)

29) Only models with 6 cylinder diesel engine (3.0L TDI - BIN 5)

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No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	15 A	- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	30
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Oil Level Thermal Sensor -G266-	87
3	- Fuse 3 (on fuse panel B) -SB3-	5 A	- Engine Control Module (ECM) -J623- Electric Drive Power and Control Electronics -JX1-	87
4	Fuse 4 (on fuse panel B) -SB4-	5 A	- Engine Control Module (ECM) -J623-	30
5	Fuse 5 (on fuse panel B) -SB5-	5 A <sup>27)</sup> 28) 10 A <sup>24)</sup> 25) 26)	- Engine Coolant (EC) Switch-Off Valve -N82- Fuel Pressure Regulator Valve -N276- Mass Air Flow (MAF) Sensor -G70-	87
6	Fuse 6 (on fuse panel B) -SB6-	15 A	- Engine Control Module (ECM) -J623-	87
7	Fuse 7 (on fuse panel B) -SB7-	10 A <sup>26)</sup> 27) 28) 15 A <sup>24)</sup> 25)	- Actuator 1 for camshaft adjustment -F366- through Actuator 8 for camshaft adjustment -F373- Secondary Air Injection (AIR) Pump Relay -J299- Wastegate Bypass Regulator Valve -N75- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Camshaft Adjustment Valve 1 -N205- Turbocharger Recirculating Valve -N249- Intake Manifold Runner Control (IMRC) Valve -N316- Exhaust Flap Valve 1 -N321- Engine Coolant (EC) Switch-Off Valve (Climatronic) -N422- Oil Pressure Regulation Valve -N428- After-Run Coolant Pump -V51- High Temperature Circuit Coolant Pump -V467-	87

8	Fuse 8 (on fuse panel B) -SB8-	5 A <sup>27)</sup> <sup>28)</sup> 10 A <sup>29)</sup> 15 A <sup>24)</sup>	- Electric Drive Power and Control Electronics -JX1- NOX Sensor -G295- NOX Sensor 2 -G687- NOx sensor control module -J583- NOX Sensor 2 Control Module -J881- Brake Booster Relay -J569-	30
9	Fuse 9 (on fuse panel B) -SB9-	5 A	- Engine Control Module (ECM) -J623-	87
10	Fuse 10 (on fuse panel B) -SB10-	10 A <sup>27)</sup> <sup>28)</sup> 15 A <sup>24)</sup> <sup>26)</sup> <sup>25)</sup>	- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- Power Steering Control Module -J500-	87
11	Fuse 11 (on fuse panel B) -SB11-	5 A	- Coolant fan control module -J293- Coolant Fan -V7- Coolant Fan 2 -V177-	87
12	Fuse 12 (on fuse panel B) -SB12-	5 A	- Transmission Control Module (TCM) -J217- Direct Shift Gearbox (DSG) Mechatronic -J743-	87
13	Fuse 13 (on fuse panel B) -SB13-	5 A <sup>25)</sup>	- A/C Compressor Control Module -J842- Electrical A/C Compressor -V470-	87
14	Fuse 14 (on fuse panel B) -SB14-	5 A <sup>27)</sup> <sup>28)</sup> 20 A <sup>24)</sup> <sup>25)</sup> <sup>26)</sup>	- Engine Component Power Supply Relay 2 -J976- 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- Ignition Coil 5 with Power Output Stage -N323- Ignition Coil 6 with Power Output Stage -N324- Engine Coolant (EC) Switch-Off Valve (Climatronic) -N422- Exhaust Gas Recirculation (EGR) Cooler Pump -V400-	87
15	Fuse 15 (on fuse panel B) -SB15-	5 A	- Power Steering Control Module -J500- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29-	87

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16	Fuse 16 (on fuse panel B) -SB16-	15 A	- Map Controlled Engine Cooling Thermostat -F265- Automatic Glow Time Control Module -J179- Secondary Air Injection (AIR) Pump Relay -J299- Preheating Coolant, Low Heat Output Relay -J359- High heat output relay -J360- Auxiliary Engine Coolant (EC) Pump Relay -J496- Transmission Cooling Circuit Relay -J696- Wastegate Bypass Regulator Valve -N75- Positive Crankcase Ventilation (PCV) Heating Element -N79- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Air Filter Bypass Flap Valve -N275- Secondary Air Injection (AIR) Solenoid Valve 2 -N320- Exhaust Gas Recirculation (EGR) Cooler Switch-Over Valve -N345- Oil Pressure Regulation Valve -N428- Transmission Coolant Valve -N488- Cylinder Head Coolant Valve -N489- Engine Temperature Control Actuator -N493- Charge Air Cooling Pump -V188- Crankcase Ventilation Housing Valve -V546-	87
17	- Fuse 17 (on fuse panel B) -SB17-	10 A <sup>25)</sup> 15A <sup>26)</sup>	- Low Temperature Circuit Coolant Pump -V468- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29-	50

## 1.5 Fuse Panel C -SC- through model year 2009

**Component Location Fuse Panel C -SC- for models with left-hand drive through model year 2009:**

Below driver's instrument panel cover



**Note**

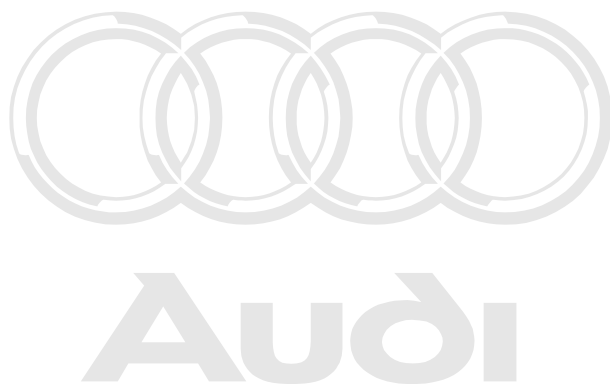
*Illustration shows models with left-hand drive*

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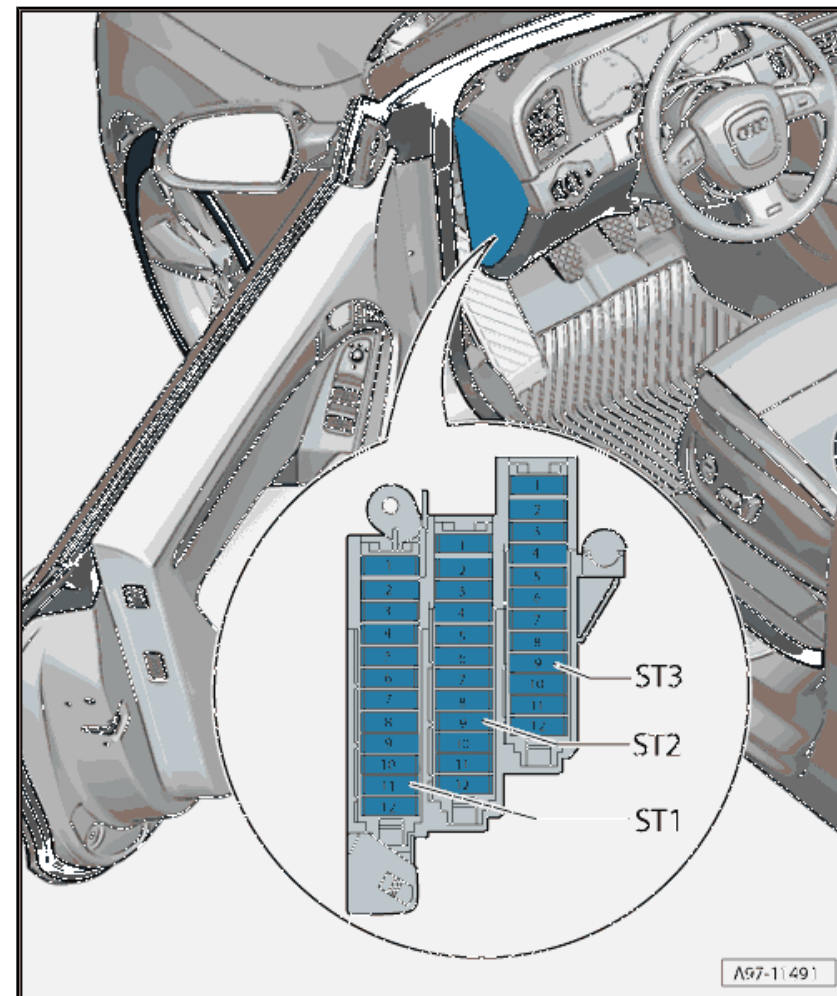
ST1 - Fuse Carrier 1, Fuses ⇒ [page 16](#)

ST2 - Fuse Carrier 2, Fuses ⇒ [page 17](#)

ST3 - Fuse Carrier 3, Fuses ⇒ [page 18](#)



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### 1.5.1 Fuses in Fuse Carrier ST1 on Fuse Panel C -SC- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Active Steering Control Module -J792-	15
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Clutch Pedal Switch -F36- Clutch Pedal Starter Interlock Switch -F194- Clutch Position Sensor -G476-	15
3	- Fuse 3 (on fuse panel C) -SC3-	5 A	- Garage door opener control head -E284- Garage Door Opener Control Module -J530-	15
4	- Fuse 4 (on fuse panel C) -SC4-	10 A	- Directional Stabilization Assistance Control Module -J759-	15
5	- Fuse 5 (on fuse panel C) -SC5-	5 A	- Air Quality Sensor -G238-	15
6	- Fuse 6 (on fuse panel C) -SC6-	5 A	- Headlamp Adjuster -E102- Headlamp Range Control Module -J431- Right Headlamp Power Output Stage -J668- Headlamp Range/Cornering Lamp Control Module -J745- Left Headlamp Beam Adjustment Motor -V48- Right Headlamp Beam Adjustment Motor -V49-	15
7	- Fuse 7 (on fuse panel C) -SC7-	5 A	- Left Headlamp Power Output Stage -J667-	15
8	- Fuse 8 (on fuse panel C) -SC8-	5 A	- Vehicle Electrical System Control Module -J519-	15
9	- Fuse 9 (on fuse panel C) -SC9-	5 A	- Automatic Day/Night Interior Mirror -Y7-	15
10	- Fuse 10 (on fuse panel C) -SC10-	5 A	- Selector Lever Sensor Control Module -J587- Shift Lock Solenoid -N110-	15
11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- Left Washer Nozzle Heater -Z20- Right Washer Nozzle Heater -Z21-	15
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- A/C Pressure/Temperature Sensor -G395-	15

### 1.5.2 Fuses in Fuse Carrier ST2 on Fuse Panel C -SC- (brown)

30) Only models with gasoline engine

31) Only models with diesel engine

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Recirculation Pump Relay -J160-	87



2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Clutch Pedal Switch -F36- Clutch Pedal Starter Interlock Switch -F194- Clutch Position Sensor -G476-	87
3	- Fuse 3 (on fuse panel C) -SC3-	20 A <sup>31)</sup> 25 A <sup>30)</sup>	- Transfer Fuel Pump (FP) -G6- Fuel Pump (FP) Control Module -J538-	87
4	- Fuse 4 (on fuse panel C) -SC4-	5 A	- Recirculation Pump Relay -J160-	15
5	- Fuse 5 (on fuse panel C) -SC5-	30 A	- Vehicle Electrical System Control Module -J519-	30
6	- Fuse 6 (on fuse panel C) -SC6-	10 A	- ABS Control Module -J104-	30
7	- Fuse 7 (on fuse panel C) -SC7-	25 A	- Horn Relay -J413-	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Driver's Door Control Module -J386- Left Rear Door Control Module -J388-	30
9	- Fuse 9 (on fuse panel C) -SC9-	30 A	- Wiper Motor Control Module -J400-	30
10	- Fuse 10 (on fuse panel C) -SC10-	25 A	- ABS Control Module -J104-	30
11	- Fuse 11 (on fuse panel C) -SC11-	15 A	- Driver's Door Control Module -J386- Left Rear Door Control Module -J388-	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Rain/Light Recognition Sensor -G397-	30

### 1.5.3 Fuses in Fuse Carrier ST3 on Fuse Panel C -SC- (red)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-		- Not used	
2	- Fuse 2 (on fuse panel C) -SC2-		- Not used	
3	- Fuse 3 (on fuse panel C) -SC3-	10 A	- Driver's Seat Lumbar Support Adjustment Switch -E176- Front Passenger's Seat Lumbar Support Adjustment Switch -E177-	30
4	- Fuse 4 (on fuse panel C) -SC4-	35 A	- Active Steering Control Module -J792-	30
5	- Fuse 5 (on fuse panel C) -SC5-	10 A	- Heated Cup Holder -Z105-	30
6	- Fuse 6 (on fuse panel C) -SC6-	35 A	- Vehicle Electrical System Control Module -J519-	30
7	- Fuse 7 (on fuse panel C) -SC7-	20 A	- Vehicle Electrical System Control Module -J519-	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Vehicle Electrical System Control Module -J519-	30
9	- Fuse 9 (on fuse panel C) -SC9-	20 A	- Power Sunroof Control Module -J245-	30
10	- Fuse 10 (on fuse panel C) -SC10-	30 A	- Vehicle Electrical System Control Module -J519-	30
11	- Fuse 11 (on fuse panel C) -SC11-	20 A	- Roof shade control module -J394-	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Alarm Horn -H12- Anti-Theft Alarm System Sensor -G578-	30

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## 1.6 Fuse Panel C -SC- from model year 2010

Component Location Fuse Panel C -SC- for models with left-hand drive, from model year 2010:

Below driver's instrument panel cover



### Note

*Illustration shows models with left-hand drive.*



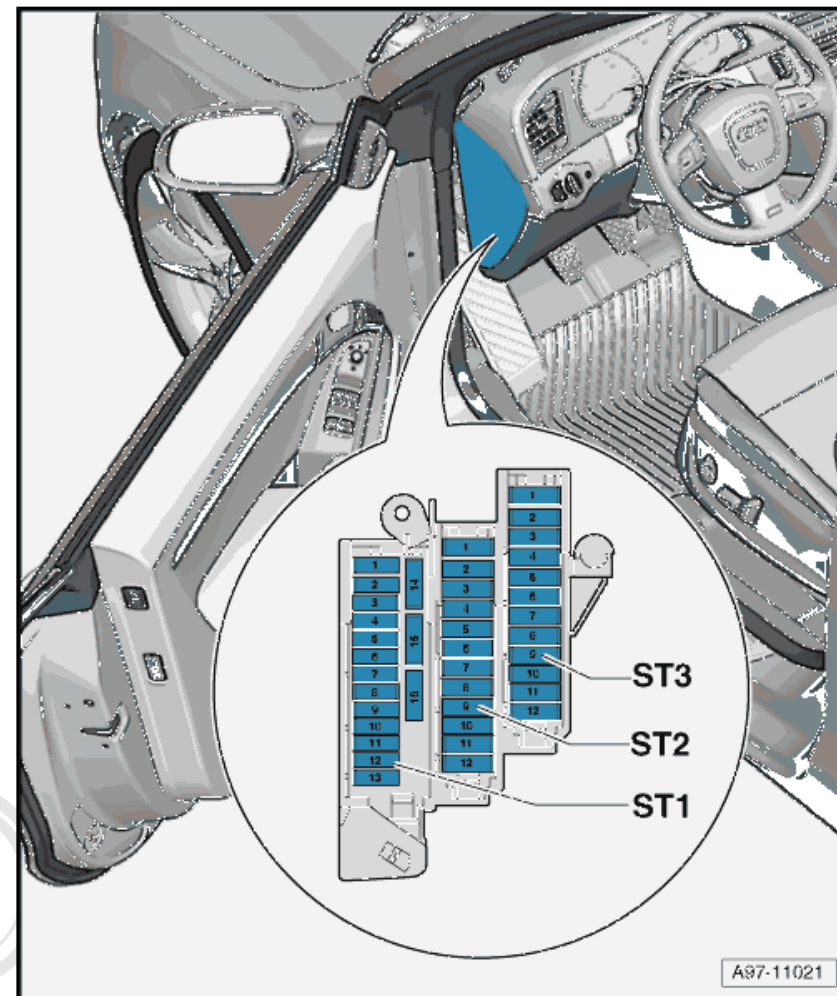
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ST2 - Fuse Carrier 2, Fuses ⇒ [page 22](#)

ST3 - Fuse Carrier 3, Fuses ⇒ [page 23](#)



### 1.6.1 Fuses in Fuse Carrier ST1 on Fuse Panel C -SC- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

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15 A - blue  
 10 A - red  
 7,5 A - brown  
 5 A - beige

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Active Steering Control Module -J792-	15
2	- Fuse 2 (on fuse panel C) -SC2-		- Not used	
3	- Fuse 3 (on fuse panel C) -SC3-	5 A	- Garage door opener control head -E284- Garage Door Opener Control Module -J530-	15
4	- Fuse 4 (on fuse panel C) -SC4-	10 A	- Directional Stabilization Assistance Control Module -J759-	15
5	- Fuse 5 (on fuse panel C) -SC5-	5 A	- Air Quality Sensor -G238-	15
6	- Fuse 6 (on fuse panel C) -SC6-	5 A	- Headlamp Adjuster -E102- Headlamp Range Control Module -J431- Right Headlamp Power Output Stage -J668- Headlamp Range/Cornering Lamp Control Module -J745- Front Left Headlamp -MX1- Front Right Headlamp -MX2-	15
7	- Fuse 7 (on fuse panel C) -SC7-	5 A	- Left Headlamp Power Output Stage -J667-	15
8	- Fuse 8 (on fuse panel C) -SC8-	5 A	- Vehicle Electrical System Control Module -J519-	15
9	- Fuse 9 (on fuse panel C) -SC9-	5 A	- Distance Regulation Control Module -J428-	15
10	- Fuse 10 (on fuse panel C) -SC10-	5 A	- Clutch Position Sensor -G476- Selector Lever Sensor Control Module -J587- Shift Lock Solenoid -N110-	15
11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- Left Washer Nozzle Heater -Z20- Right Washer Nozzle Heater -Z21-	15
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- A/C Pressure/Temperature Sensor -G395-	15
13	- Fuse 13 (on fuse panel C) -SC13-	5 A	- 18-Pin Connector -T18a-	15
14	- Fuse 14 (on fuse panel C) -SC14-	5 A	- Emergency Flasher Button -E229- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706- Emergency Flasher Indicator Lamp -K6-	15
15	- Fuse 15 (on fuse panel C) -SC15-	25 A	- ABS Control Module -J104- Fuse Carrier 2 -ST2- on Fuse Panel C -SC- Fuse Carrier 1 -ST1- on Fuse Panel D -SD- Fuse Carrier 4 -ST4- on fuse panel F -SF-	15

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16	- Fuse 16 (on fuse panel C) -SC16-	40 A	- Starter Relay -J53- Starter Relay 2 -J695- Fuse Carrier 1 -ST1- with fuse 3 (on fuse panel B) -SB3- Fuse Carrier 1 -ST1- with fuse 12 (on fuse panel B) -SB12-	15
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## 1.6.2 Fuses in Fuse Carrier ST2 on Fuse Panel C -SC- (brown)

32) Only models with gasoline engine

33) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

34) Only models with diesel engine (without J538)

35) Only models with diesel engine (with J538)

36) Only models with left-hand drive

37) Only models without seat ventilation

38) Only models with seat ventilation

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Automatic Day/Night Interior Mirror -Y7-	15
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Brake Light Switch -F- Brake Pedal Position Sensor -G100- Clutch Position Sensor -G476-	87
3	- Fuse 3 (on fuse panel C) -SC3-	20 A <sup>34)</sup> 25 A <sup>32)</sup> 25 A <sup>33)</sup> 25 A <sup>35)</sup>	- Transfer Fuel Pump (FP) -G6- Fuel Pump (FP) Control Module -J538-	87
4	- Fuse 4 (on fuse panel C) -SC4-	10 A 25 A <sup>33)</sup>	- Vacuum Pump Relay -J318- Recirculation Pump Relay -J160- Reducing Agent Pump -V437-	15 30 <sup>33)</sup>
5	- Fuse 5 (on fuse panel C) -SC5- <small>Protected by copyright. Copying for private or commercial purposes, in part or in whole, is prohibited without the written permission 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.</small>	15 A <sup>38)</sup> 30 A <sup>37)</sup>	- Vehicle Electrical System Control Module -J519-	30
6	- Fuse 6 (on fuse panel C) -SC6-	5 A <sup>33)</sup> 10 A	- ABS Control Module -J104- <sup>36)</sup>	30
7	- Fuse 7 (on fuse panel C) -SC7-	25 A	- Horn Relay -J413-	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Left doors	30
9	- Fuse 9 (on fuse panel C) -SC9-	30 A	- Wiper Motor Control Module -J400-	30
10	- Fuse 10 (on fuse panel C) -SC10-	25 A	- ABS Control Module -J104- <sup>36)</sup>	30
11	- Fuse 11 (on fuse panel C) -SC11-	15 A	- Left doors	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Rain/Light Recognition Sensor -G397-	30

### 1.6.3 Fuses in Fuse Carrier ST3 on Fuse Panel C -SC- (red)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-		- Not used	
2	- Fuse 2 (on fuse panel C) -SC2-		- Not used	
3	- Fuse 3 (on fuse panel C) -SC3-	10 A	- Driver's Seat Lumbar Support Adjustment Switch -E176- Front Passenger's Seat Lumbar Support Adjustment Switch -E177-	30
4	- Fuse 4 (on fuse panel C) -SC4-	35 A	- Active Steering Control Module -J792-	30
5	- Fuse 5 (on fuse panel C) -SC5-	10 A	- Cup holder with heater and cooling element -Z105-	30
6	- Fuse 6 (on fuse panel C) -SC6-	35 A	- Vehicle Electrical System Control Module -J519-	30
7	- Fuse 7 (on fuse panel C) -SC7-	20 A	- Vehicle Electrical System Control Module -J519-	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Vehicle Electrical System Control Module -J519-	30
9	- Fuse 9 (on fuse panel C) -SC9-	20 A	- Power Sunroof Control Module -J245-	30
10	- Fuse 10 (on fuse panel C) -SC10-	30 A	- Vehicle Electrical System Control Module -J519-	30
11	- Fuse 11 (on fuse panel C) -SC11-	20 A	- Roof shade control module -J394-	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Alarm Horn -H12- Anti-Theft Alarm System Sensor -G578-	30

### 1.7 Fuse Panel C -SC- from model year 2013

Component Location Fuse Panel C -SC- for models with left-hand drive, from model year 2013:

Below driver's instrument panel cover



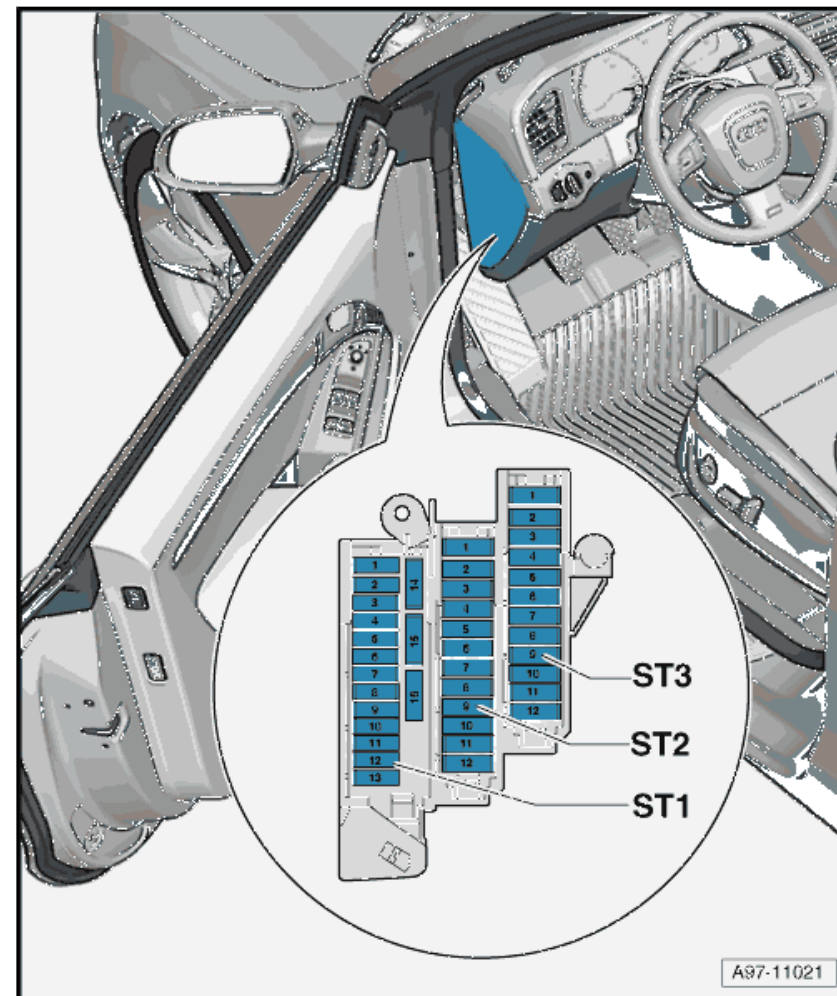
**Note**

*Illustration shows models with left-hand drive.*

ST1 - Fuse Carrier 1, Fuses ⇒ [page 24](#)

ST2 - Fuse Carrier 2, Fuses ⇒ [page 26](#)

ST3 - Fuse Carrier 3, Fuses ⇒ [page 27](#)



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### 1.7.1 Fuses in Fuse Carrier ST1 on Fuse Panel C -SC- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue  
 10 A - red  
 7,5 A - brown  
 5 A - beige

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Active Steering Control Module -J792-	15
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- ABS Control Module -J104-	15
3	- Fuse 3 (on fuse panel C) -SC3-	5 A	- ASR/ESP Button -E256- Parking Aid Button -E266- Garage door opener control head -E284- Electro-Mechanical Parking Brake Button -E538- -AUTO HOLD- Button -E540- Air Quality Sensor -G238- A/C Pressure/Temperature Sensor -G395- Garage Door Opener Control Module -J530- Seat Heating Control Module -J882- Automatic Day/Night Interior Mirror Relay -J910- Automatic Day/Night Interior Mirror -Y7-	15
4	- Fuse 4 (on fuse panel C) -SC4-	10 A	- Directional Stabilization Assistance Control Module -J759-	15
5	- Fuse 5 (on fuse panel C) -SC5-	15 A	- Structure-Borne Sound Control Module -J869- Engine Sound Generator Control Module -J943-	15
6	- Fuse 6 (on fuse panel C) -SC6-	5 A	- Headlamp Adjuster -E102- Front Left Headlamp -MX1- Front Right Headlamp -MX2- Left Headlamp Beam Adjustment Motor -V48- Right Headlamp Beam Adjustment Motor -V49-	15
7	- Fuse 7 (on fuse panel C) -SC7-	5 A	- Front Left Headlamp -MX1-	15
8	- Fuse 8 (on fuse panel C) -SC8-	5 A	- Electronic Damping Control Module -J250- Towing Recognition Control Module -J345- Comfort System Central Control Module -J393- All-Wheel Drive Control Module -J492- Voltage Stabilizer -J532- Electro-Mechanical Parking Brake Control Module -J540-	15
9	- Fuse 9 (on fuse panel C) -SC9-	5 A	- Distance Regulation Control Module -J428-	15
10	- Fuse 10 (on fuse panel C) -SC10-	5 A	- Clutch Position Sensor -G476- Shift Lock Solenoid -N110-	15
11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- Lane Change Assistance Control Module -J769- Lane Change Assistance Control Module 2 -J770-	15
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Vehicle Electrical System Control Module -J519- T32b/16 - Light control, Parking aid	15

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13	Fuse 13 (on fuse panel C) -SC13-	5 A	- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706- Front Passenger Airbag Disabled Indicator Lamp -K145-	15
14	Fuse 14 (on fuse panel C) -SC14-	15 A	- Rear Window Wiper Motor -V12-	15
15	Fuse 15 (on fuse panel C) -SC15-	10 A	- Supply Fuse Carrier 1 -ST1- Fuse panel D -SD-	15
16	- Fuse 16 (on fuse panel C) -SC16-	40 A	- Starter Relay -J53- Starter Relay 2 -J695- Supply Fuse Carrier 1 -ST1- Fuse 3 (on fuse panel B) -SB3- Supply Fuse Carrier 1 -ST1- Fuse 12 (on fuse panel B) -SB12- Fuse Carrier 1 -ST1- Fuse 15 (on fuse panel B) -SB15-	15

### 1.7.2 Fuses in Fuse Carrier ST2 on Fuse Panel C -SC- (brown)

39) Only models without seat ventilation

40) Only models with seat ventilation

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Exhaust Flap Valve -N220- , hybrid	87
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Brake Light Switch -F-	87
3	- Fuse 3 (on fuse panel C) -SC3-	25 A	- Fuel Pump (FP) Control Module -J538-	87
4	- Fuse 4 (on fuse panel C) -SC4-	5 A 25 A, hybrid	- Clutch Position Sensor -G476- Reducing Agent Metering System Pressure Sensor -G686- Reducing Agent Metering System Control Module -J880- Reducing Agent Pump -V437- Reducing Agent Pump Heater -Z103- Vacuum Pump Relay -J318- , hybrid	87
5	- Fuse 5 (on fuse panel C) -SC5-	15 A <sup>39)</sup> 30 A <sup>40)</sup>	- Vehicle Electrical System Control Module -J519- Left Front Seat Ventilation Control Module -J800-	30
6	- Fuse 6 (on fuse panel C) -SC6-	5 A	- ABS Control Module -J104-	30
7	- Fuse 7 (on fuse panel C) -SC7-	15 A	- High Tone Horn -H2- Low Tone Horn -H7- Horn Relay -J413-	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Left Front Door	30
9	- Fuse 9 (on fuse panel C) -SC9-	30 A	- Wiper Motor Control Module -J400-	30
10	- Fuse 10 (on fuse panel C) -SC10-	25 A	- ABS Control Module -J104-	30
11	- Fuse 11 (on fuse panel C) -SC11-	30 A	- Left Rear Door	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Rain/Light Recognition Sensor -G397-	30

### 1.7.3 Fuses in Fuse Carrier ST3 Fuse Panel C -SC- (red)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-		- Not used	
2	- Fuse 2 (on fuse panel C) -SC2-		- Not used	
3	- Fuse 3 (on fuse panel C) -SC3-	10 A	- Driver's Seat Lumbar Support Adjustment Switch -E176- Front Passenger's Seat Lumbar Support Adjustment Switch -E177-	30
4	- Fuse 4 (on fuse panel C) -SC4-	35 A	- Active Steering Control Module -J792-	30
5	- Fuse 5 (on fuse panel C) -SC5-	10 A	- Cup holder with heater and cooling element -Z105-	30A
6	- Fuse 6 (on fuse panel C) -SC6-	35 A	- Vehicle Electrical System Control Module -J519- T17I/16	30
7	- Fuse 7 (on fuse panel C) -SC7-	20 A	- Vehicle Electrical System Control Module -J519- T17I/15 - Interior lighting	30
8	- Fuse 8 (on fuse panel C) -SC8-	30 A	- Vehicle Electrical System Control Module -J519- T17m/16 - Lighting left	30
9	- Fuse 9 (on fuse panel C) -SC9-	20 A	- Power Sunroof Control Module -J245-	30
10	- Fuse 10 (on fuse panel C) -SC10-	30 A	- Vehicle Electrical System Control Module -J519- T17n/16 - Lighting right	30
11	- Fuse 11 (on fuse panel C) -SC11-	20 A	- Roof shade control module -J394-	30
12	- Fuse 12 (on fuse panel C) -SC12-	5 A	- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12-	30

### 1.8 Fuse panel D -SD-

**Component Location Fuse Panel D -SD- for models with left-hand drive:**

Below front passenger's instrument panel cover



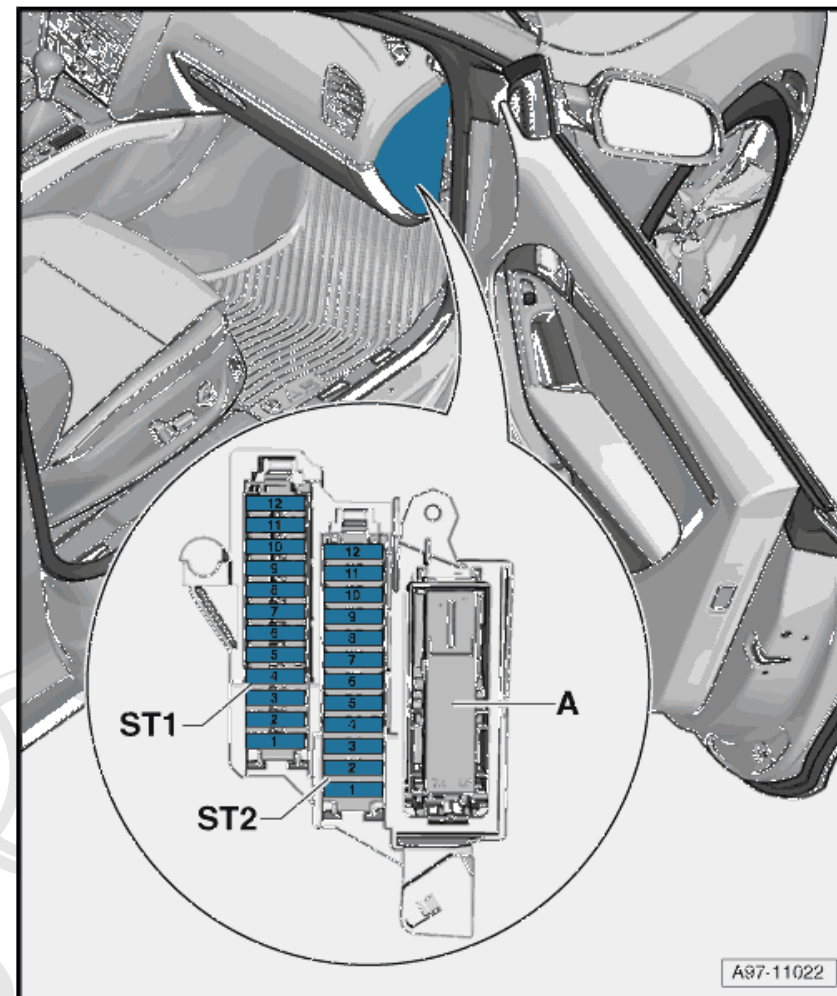
**Note**

*Illustration shows models with left-hand drive.*

ST1 - Fuse Carrier 1, Fuses ⇒ [page 28](#)

ST2 - Fuse Carrier 2, Fuses ⇒ [page 29](#)

A - 46-Pin Connector, black, CAN separating connector, instrument panel -T46s-



### 1.8.1 Fuses in Fuse Carrier ST1 on Fuse Panel D-SD- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

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15 A - blue

10 A - red

7,5 A - brown

5 A - beige

41) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel D) -SD1-		- Not used	
2	- Fuse 2 (on fuse panel D) -SD2-		- Not used	
3	- Fuse 3 (on fuse panel D) -SD3-		- Not used	
4	- Fuse 4 (on fuse panel D) -SD4-		- Not used	
5	- Fuse 5 (on fuse panel D) -SD5-	5 A	- Steering Column Electronic Systems Control Module -J527-	15
6	- Fuse 6 (on fuse panel D) -SD6-		- Not used	
7	- Fuse 7 (on fuse panel D) -SD7-	5 A	- 16-Pin Connector -T16- , diagnostic connector	15
8	- Fuse 8 (on fuse panel D) -SD8-	5 A	- Data Bus On Board Diagnostic Interface -J533-	15
9	- Fuse 9 (on fuse panel D) -SD9-	5 A <sup>41)</sup>	- Preheating Coolant, Low Heat Output Relay -J359- <sup>41)</sup> Coolant Glow Plugs Relay 2 -J390- <sup>41)</sup> Auxiliary Air Heater Control Module -J604- <sup>41)</sup>	15
10	- Fuse 10 (on fuse panel D) -SD10-		- Not used	
11	- Fuse 11 (on fuse panel D) -SD11-		- Not used	
12	- Fuse 12 (on fuse panel D) -SD12-		- Not used	

## 1.8.2 Fuses in Fuse Carrier ST2 on Fuse Panel D -SD- (brown)

42) Only models with radio (CAN) with external amplifier

43) Only models with MMI (MOST)

44) Only models with radio chorus and soundsystem Basic (from November 2009)

45) Only models with radio chorus / concert / symphony and soundsystem Basic (from May 2010)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel D) -SD1-	5 A	- CD Changer -R41- DVD Changer -R161- External Audio Source Connector -R199-	30
2	- Fuse 2 (on fuse panel D) -SD2-	5 A	- Switch module for Charisma -E592-	30

3	- Fuse 3 (on fuse panel D) -SD3-	5 A <sup>42)</sup> 5 A <sup>43)</sup> 20 A <sup>44)</sup> 20 A <sup>45)</sup>	- Front Information Display Control Head -J685- Control Module for Information Electronics 1 -J794- Radio -R-	30
4	- Fuse 4 (on fuse panel D) -SD4-	5 A	- Instrument Cluster Control Module -J285-	30
5	- Fuse 5 (on fuse panel D) -SD5-	5 A	- Data Bus On Board Diagnostic Interface -J533-	30
6	- Fuse 6 (on fuse panel D) -SD6-	5 A	- Access/Start Authorization Switch -E415-	30
7	- Fuse 7 (on fuse panel D) -SD7-	5A	- Light Switch -E1-	
8	- Fuse 8 (on fuse panel D) -SD8-	40 A	- Fresh Air Blower Control Module -J126-	30
9	- Fuse 9 (on fuse panel D) -SD9-	5 A	- Electronic Steering Column Lock Control Module -J764-	30
10	- Fuse 10 (on fuse panel D) -SD10-	10 A	- Climatronic Control Module -J255-	30
11	- Fuse 11 (on fuse panel D) -SD11-	10 A	- 16-Pin Connector -T16- , diagnostic connector	30
12	- Fuse 12 (on fuse panel D) -SD12-	5 A	- Steering Column Electronic Systems Control Module -J527-	30

## 1.9 Relay / Fuse Panel F -SF- through model year 2009

**Component Location Relay / Fuse Panel F -SF- through model year 2009:**

In luggage compartment, behind side trim on right

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ST1 - Fuse Carrier 1, Fuses ⇒ [page 31](#)

ST2 - Fuse Carrier 2, Fuses ⇒ [page 32](#)

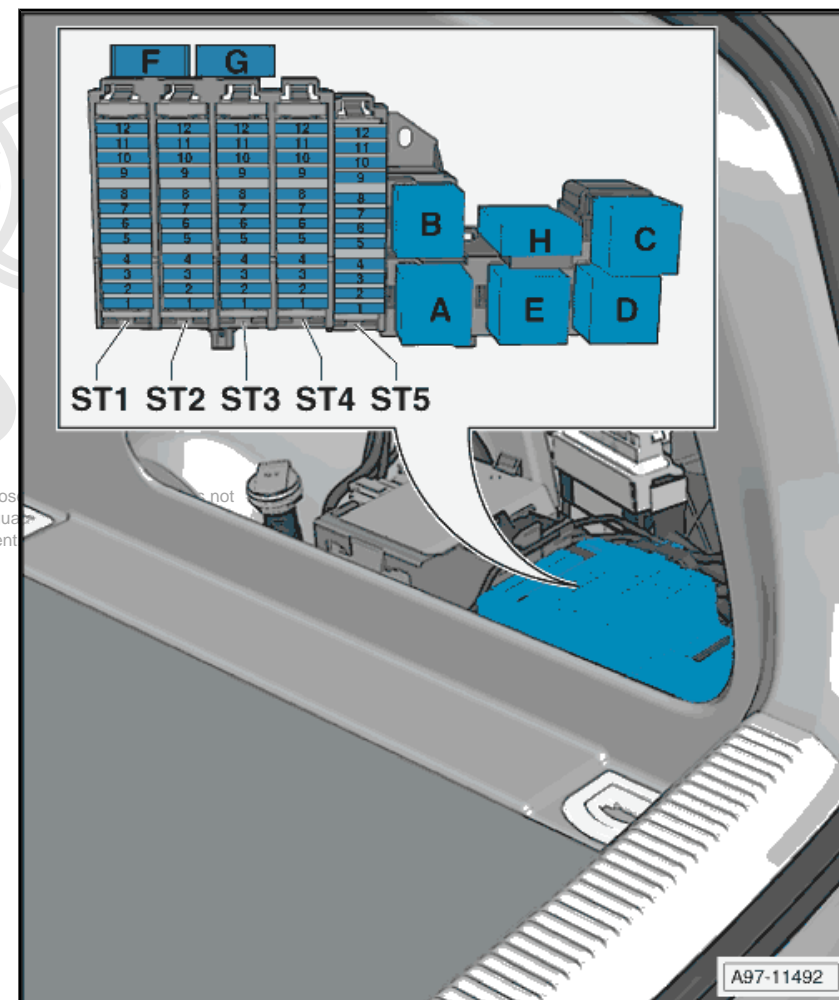
ST3 - Fuse Carrier 3, Fuses ⇒ [page 33](#)

ST4 - Fuse Carrier 4, Fuses ⇒ [page 33](#)

ST5 - Fuse Carrier 5, Fuses ⇒ [page 34](#)

H - Heated Rear Window Fuse -S41- ⇒ [page 35](#)

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### 1.9.1 Fuses in Fuse Carrier ST1 on Fuse Panel F -SF- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue  
 10 A - red  
 7,5 A - brown  
 5 A - beige

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	30 A	- Rear Lid Control Module 2 -J756-	30
2	- Fuse 2 (on fuse panel F) -SF2-		- Not used	
3	- Fuse 3 (on fuse panel F) -SF3-	30 A	- Rear Lid Control Module -J605-	30
4	- Fuse 4 (on fuse panel F) -SF4-	5A	- Double Connector, blue/purple -T2da- Double Connector, blue/purple -T2db-	87
5	- Fuse 5 (on fuse panel F) -SF5-		- Not used	
6	- Fuse 6 (on fuse panel F) -SF6-		- Not used	
7	- Fuse 7 (on fuse panel F) -SF7-		- Not used	
8	- Fuse 8 (on fuse panel F) -SF8-		- Not used	
9	- Fuse 9 (on fuse panel F) -SF9-		- Not used	
10	- Fuse 10 (on fuse panel F) -SF10-		- Not used	
11	- Fuse 11 (on fuse panel F) -SF11-		- Not used	
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

### 1.9.2 Fuses in Fuse Carrier ST2 on Fuse Panel F -SF- (black)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Tire Pressure Monitoring Control Module -J502-	30
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- Towing Recognition Control Module -J345-	30
3	- Fuse 3 (on fuse panel F) -SF3-	20 A	- Towing Recognition Control Module -J345-	30
4	- Fuse 4 (on fuse panel F) -SF4-	20 A	- Towing Recognition Control Module -J345-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Electro-Mechanical Parking Brake Button -E538-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Electronic Damping Control Module -J250-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Comfort System Central Control Module -J393-	30
9	- Fuse 9 (on fuse panel F) -SF9-	35 A	- All-Wheel Drive Control Module -J492-	30
10	- Fuse 10 (on fuse panel F) -SF10-	30 A	- Comfort System Central Control Module -J393-	30

11	- Fuse 11 (on fuse panel F) -SF11-	20 A	- Comfort System Central Control Module -J393-	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Vehicle positioning system interface control module -J843-	30

### 1.9.3 Fuses in Fuse Carrier ST3 on Fuse Panel F -SF- (brown)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-		- Not used	
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- Right Front Seat Ventilation Control Module -J799-	30
3	- Fuse 3 (on fuse panel F) -SF3-	7.5 A	- Radio -R- Telephone Transceiver -R36- TV Tuner -R78- Amplifier for Telephone -R86- Telephone Baseplate -R126- 18-Pin Connector, black -T18a-	30
4	- Fuse 4 (on fuse panel F) -SF4-	30 A	- Digital Sound System Control Module -J525- Radio -R-	30
5	- Fuse 5 (on fuse panel F) -SF5-	7.5 A	- Control Module for Information Electronics 1 -J794-	30
6	- Fuse 6 (on fuse panel F) -SF6-	30 A	- Auxiliary Heater Control Module -J364-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Left Rear Heated Seat Regulating Switch -E128- Right Rear Heated Seat Regulating Switch -E129-	30
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	- Front Passenger's Door Control Module -J387- Right Rear Door Control Module -J389-	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Auxiliary Heater RF Receiver -R64-	30
11	- Fuse 11 (on fuse panel F) -SF11-	15 A	- Front Passenger's Door Control Module -J387- Right Rear Door Control Module -J389-	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Rear View Camera System Control Module -J772-	30

### 1.9.4 Fuses in Fuse Carrier ST4 on Fuse Panel F -SF- (red)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	15 A	- 12 V Socket 2 -U18-	87
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- 12 V Socket -U5-	87
3	- Fuse 3 (on fuse panel F) -SF3-	15 A	- 12 V Socket 3 -U19-	87
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Cigarette Lighter -U1-	87



5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Parallel Parking Assistance Control Module -J791-	15
6	- Fuse 6 (on fuse panel F) -SF6-	5 A	- 18-Pin Connector, black -T18a-	15
7	- Fuse 7 (on fuse panel F) -SF7-	5 A	- Distance Regulation Control Module -J428-	15
8	- Fuse 8 (on fuse panel F) -SF8-	15 A	- Rear Window Wiper Motor -V12-	15
9	- Fuse 9 (on fuse panel F) -SF9-	5 A	- -AUTO HOLD- Button -E540-	15
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Lane Change Assistance Control Module 2 -J770-	15
11	- Fuse 11 (on fuse panel F) -SF11-	5 A	- Left Rear Heated Seat Regulating Switch -E128- Right Rear Heated Seat Regulating Switch -E129-	15
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Emergency Flasher Switch -E3- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706- Front Passenger Airbag Disabled Indicator Lamp -K145-	15

### 1.9.5 Fuses in Fuse Carrier ST5 on Fuse Panel F -SF- (black)

46) Only civil models: Doctor on Call Models Version (F4Z)

47) Only special models: Doctor - version (F4X) or fire brigade models (F4Q)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-		- Not used	
2	- Fuse 2 (on fuse panel F) -SF2-		- Not used	
3	- Fuse 3 (on fuse panel F) -SF3-	15 A <sup>46)</sup> 25 A <sup>47)</sup>	- Signals System Control Module -J616-	30
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Signals System Control Module -J616-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A <sup>46)</sup> 15 A <sup>47)</sup>	- Special Signals Control Head -E507- Signals System Control Module -J616-	30
6	- Fuse 6 (on fuse panel F) -SF6-	10 A	- Special Signals Control Head -E507- Signals System Control Module -J616- Trip Odometer Control Module -J621- 3-Pin Connector -T3d- Crash Data Recorder	15
7	- Fuse 7 (on fuse panel F) -SF7-	20 A	- Special Purpose Vehicle Control Module -J608-	30
8	- Fuse 8 (on fuse panel F) -SF8-	10 A	- Crash Data Recorder	30
9	- Fuse 9 (on fuse panel F) -SF9-	10 A	- 12 V Socket 4 -U20-	30
10	- Fuse 10 (on fuse panel F) -SF10-	10 A	- Two-Way Radio Cut-Off Relay -J84-	30
11	- Fuse 11 (on fuse panel F) -SF11-	10 A	- Two-Way Radio Cut-Off Relay -J84-	30
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

**1.9.6 Single Fuse on Fuse Panel F -SF-**

Items	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
H	- Heated Rear Window Fuse -S41-	40 A	- Rear Window Defogger Relay -J9-	30

**1.10 Relay / Fuse Panel F -SF- from model year 2010**

**Component Location Relay / Fuse Panel F -SF- from model year 2010:**

In luggage compartment, behind side trim on right

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ST1 - Fuse Carrier 1, ⇒ [page 36](#)

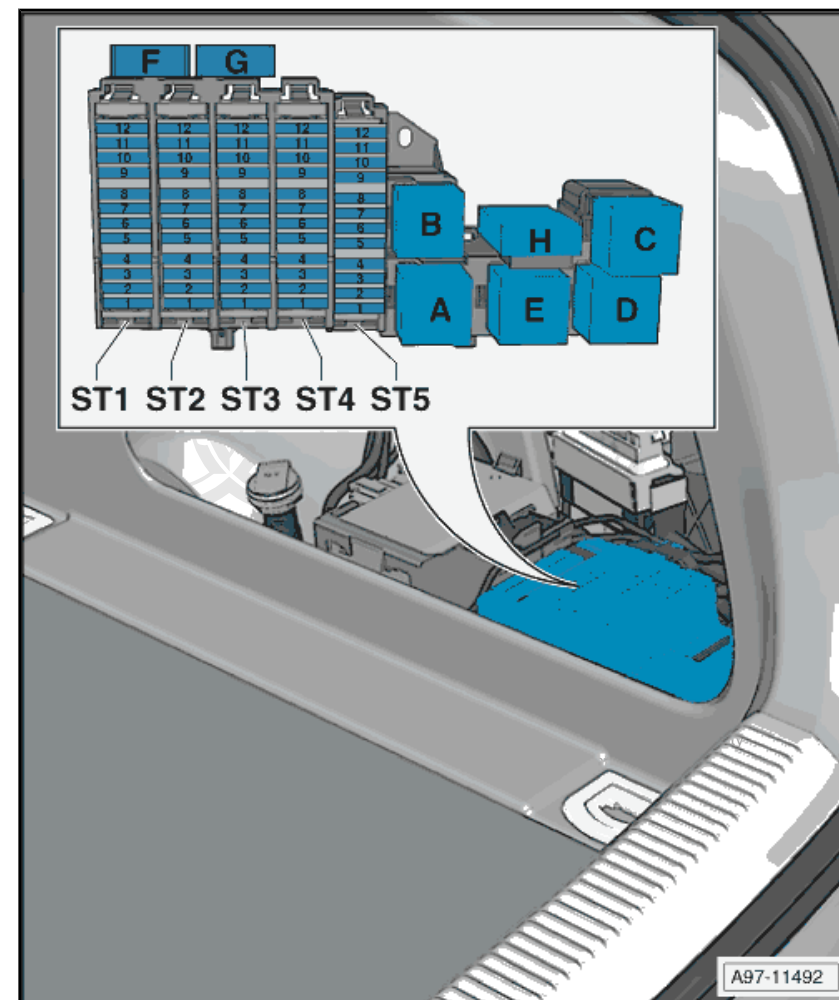
ST2 - Fuse Carrier 2, ⇒ [page 37](#)

ST3 - Fuse Carrier 3, ⇒ [page 38](#)

ST4 - Fuse Carrier 4, ⇒ [page 39](#)

ST5 - Fuse Carrier 5, ⇒ [page 39](#)

H - Heated Rear Window Fuse -S41- ⇒ [page 40](#)



### 1.10.1 Fuses in Fuse Carrier ST1 on Fuse Panel F -SF- (black)

#### Fuse Colours

35 A - green-blue

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

48) Only civil models: Doctor on Call Models Version (F4Z)

49) Only special models: Doctor - version (F4X) or fire brigade models (F4Q)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-		- Not used	
2	- Fuse 2 (on fuse panel F) -SF2-		- Not used	
3	- Fuse 3 (on fuse panel F) -SF3-	15 A <sup>48)</sup> 25 A <sup>49)</sup>	- Signals System Control Module -J616-	30
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Signals System Control Module -J616-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A <sup>48)</sup> 15 A <sup>49)</sup>	- Special Signals Control Head -E507- Signals System Control Module -J616-	30
6	- Fuse 6 (on fuse panel F) -SF6-	3 A	- Special Signals Control Head -E507- Signals System Control Module -J616- Trip Odometer Control Module -J621- 3-Pin Connector -T3d- Crash Data Recorder	15
7	- Fuse 7 (on fuse panel F) -SF7-	20 A	- Special Purpose Vehicle Control Module -J608-	30
8	- Fuse 8 (on fuse panel F) -SF8-	10 A	- Crash Data Recorder	30
9	- Fuse 9 (on fuse panel F) -SF9-	10 A	- 12 V Socket 4 -U20-	30
10	- Fuse 10 (on fuse panel F) -SF10-	10 A	- Two-Way Radio Cut-Off Relay -J84-	30
11	- Fuse 11 (on fuse panel F) -SF11-	10 A	- Two-Way Radio Cut-Off Relay -J84-	30
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

## 1.10.2 Fuses in Fuse Carrier ST2 on Fuse Panel F -SF- (black)

50) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	30 A	- Rear Lid Control Module 2 -J756-	30
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- Towing Recognition Control Module -J345-	30
3	- Fuse 3 (on fuse panel F) -SF3-	20 A	- Towing Recognition Control Module -J345-	30
4	- Fuse 4 (on fuse panel F) -SF4-	20 A	- Towing Recognition Control Module -J345-	30

5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- -AUTO HOLD- Button -E540-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Electronic Damping Control Module -J250-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Comfort System Central Control Module -J393-	30
9	- Fuse 9 (on fuse panel F) -SF9-	5 A <sup>50)</sup> 35 A	- All-Wheel Drive Control Module -J492- Tire Pressure Monitoring Control Module -J502- <sup>50)</sup>	30
10	- Fuse 10 (on fuse panel F) -SF10-	30 A	- Comfort System Central Control Module -J393-	30
11	- Fuse 11 (on fuse panel F) -SF11-	20 A	- Comfort System Central Control Module -J393-	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Vehicle positioning system interface control module -J843- Fuel Tank Lead Detection Control Module -J909- Leak Detection Pump (LDP) -V144-	30

### 1.10.3 Fuses in Fuse Carrier ST3 on Fuse Panel F -SF- (brown)

51) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	30 A	- Rear Lid Control Module -J605-	30
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- Right Front Seat Ventilation Control Module -J799-	30
3	- Fuse 3 (on fuse panel F) -SF3-	15 A <sup>51)</sup> 40 A	- Voltage Stabilizer -J532- Battery Regulation Control Module -J840- <sup>51)</sup>	30
4	- Fuse 4 (on fuse panel F) -SF4-	40 A	- Voltage Stabilizer -J532- Fan Activation Relay -J937- <sup>51)</sup>	30
5	- Fuse 5 (on fuse panel F) -SF5-		- Not used	
6	- Fuse 6 (on fuse panel F) -SF6-	30 A	- Auxiliary Heater Control Module -J364-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Left Rear Heated Seat Regulating Switch -E128- Right Rear Heated Seat Regulating Switch -E129-	30
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	- Right doors	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Auxiliary Heater RF Receiver -R64-	30
11	- Fuse 11 (on fuse panel F) -SF11-	15 A	- Right doors	30
12	- Fuse 12 (on fuse panel F) -SF12-	30 A	- Reducing Agent Metering System Control Module -J880-	30

**1.10.4 Fuses in Fuse Carrier ST4 on Fuse Panel F -SF- (red)**

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	15 A	- 12 V Socket 2 -U18-	87
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- 12 V Socket -U5- Converter with Socket, 12V, 230V -U13- Cup holder with heater and cooling element -Z105-	87
3	- Fuse 3 (on fuse panel F) -SF3-	15 A	- 12 V Socket 3 -U19-	87
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Cigarette Lighter -U1-	87
5	- Fuse 5 (on fuse panel F) -SF5-		- Not used	
6	- Fuse 6 (on fuse panel F) -SF6-	5 A	- Double Connector, in driver's backrest -T2dy- Double Connector, in front passenger's backrest -T2dz-	87
7	- Fuse 7 (on fuse panel F) -SF7-	7.5 A	- Parallel Parking Assistance Control Module -J791-	15
8	- Fuse 8 (on fuse panel F) -SF8-	15 A	- Rear Window Wiper Motor -V12-	15
9	- Fuse 9 (on fuse panel F) -SF9-	5 A	- -AUTO HOLD- Button -E540-	15
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Lane Change Assistance Control Module 2 -J770-	15
11	- Fuse 11 (on fuse panel F) -SF11-	5 A	- Left Rear Heated Seat Regulating Switch -E128-	15
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Electronic Damping Control Module -J250- Towing Recognition Control Module -J345- All-Wheel Drive Control Module -J492- Voltage Stabilizer -J532- Electro-Mechanical Parking Brake Control Module -J540-	15

**1.10.5 Fuses in Fuse Carrier ST5 on Fuse Panel F -SF- (black)**

52) Only models with radio (CAN) and soundsystem Basic (through November 2009)

53) Applicable through April 2010

54) Applicable from May 2010

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-		- Not used	
2	- Fuse 2 (on fuse panel F) -SF2-		- Not used	
3	- Fuse 3 (on fuse panel F) -SF3-	20 A <sup>52)</sup> 30 A	- Digital Sound System Control Module -J525- Radio -R-	30
4	- Fuse 4 (on fuse panel F) -SF4-	7.5 A	- Control Module for Information Electronics 1 -J794-	30

5	- Fuse 5 (on fuse panel F) -SF5-	5 A <sup>54)</sup> 7.5 A <sup>53)</sup>	- Radio -R- Telephone Transceiver -R36- TV Tuner -R78- Amplifier for Telephone -R86- Telephone Baseplate -R126- 18-Pin Connector, black -T18a-	30
6	- Fuse 6 (on fuse panel F) -SF6-	5 A	- Rear View Camera System Control Module -J772-	30
7	- Fuse 7 (on fuse panel F) -SF7-	5 A	- Amplifier for Telephone -R86-	30
8	- Fuse 8 (on fuse panel F) -SF8-	7.5 A	- Battery Regulation Control Module -J840-	15
9	- Fuse 9 (on fuse panel F) -SF9-		- Not used	
10	- Fuse 10 (on fuse panel F) -SF10-		- Not used	
11	- Fuse 11 (on fuse panel F) -SF11-		- Not used	
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

### 1.10.6 Single Fuse on Fuse Panel F -SF-

Items	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
H	- Heated Rear Window Fuse -S41-	40 A	- Rear Window Defogger Relay -J9-	30

### 1.11 Relay / Fuse Panel F -SF- from model year 2013

**Component Location Relay / Fuse Panel F -SF- from model year 2013:**

In luggage compartment, behind side trim on right

ST1 - Fuse Carrier 1, ⇒ [page 41](#)

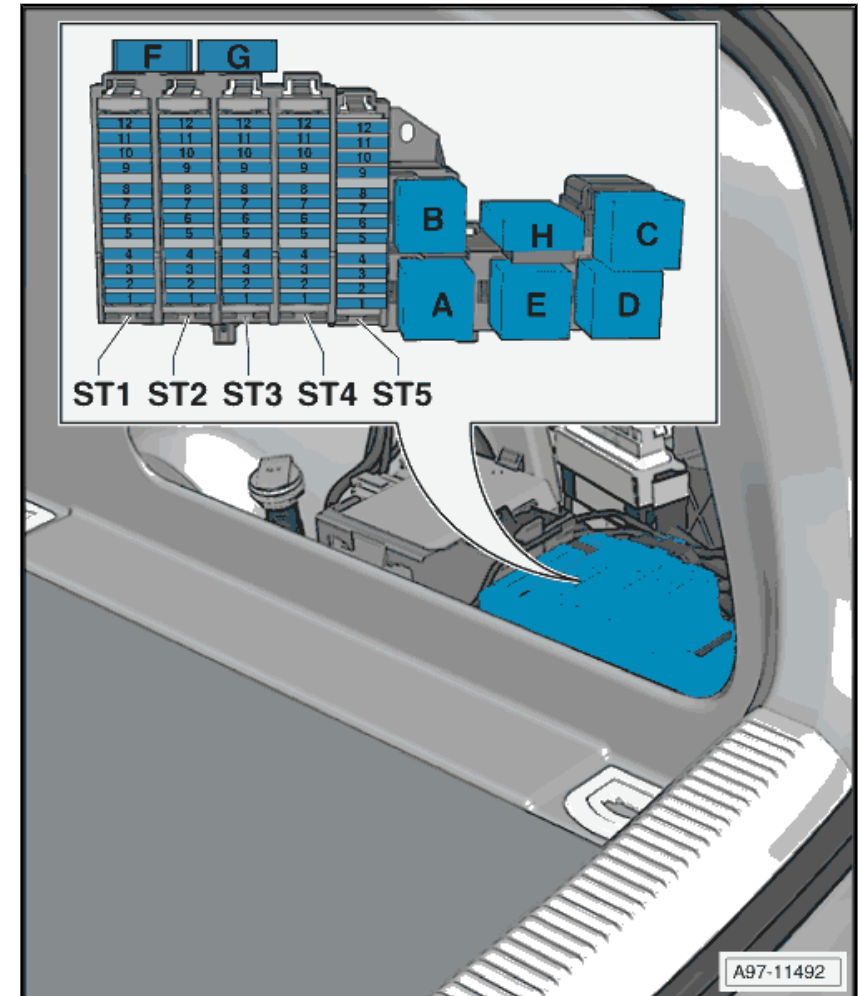
ST2 - Fuse Carrier 2, ⇒ [page 42](#)

ST3 - Fuse Carrier 3, ⇒ [page 43](#)

ST4 - Fuse Carrier 4, ⇒ [page 44](#)

ST5 - Fuse Carrier 5, ⇒ [page 44](#)

H - Heated Rear Window Fuse -S41- ⇒ [page 45](#)



### 1.11.1 Fuses in Fuse Carrier ST1 on Fuse Panel F -SF- (black)

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35 A - ~~green-blue~~

30 A - green

25 A - white

20 A - yellow



15 A - blue

10 A - red

7,5 A - brown

5 A - beige

55) Only civil models: Doctor on Call Models Version (F4Z)

56) Only special models: Doctor - version (F4X) or fire brigade models (F4Q)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	10 A	- Digital two-way radio -R247-	30
2	- Fuse 2 (on fuse panel F) -SF2-	10 A	- Two-Way Radio Cut-Off Relay -J84-	30
3	- Fuse 3 (on fuse panel F) -SF3-	15 A <sup>55)</sup> 25 A <sup>56)</sup>	- Footwell Illumination Switch -E295- Warning Buzzer Switch -E296- Special Purpose Vehicle Control Module -J608- Signals System Control Module -J616-	30
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Front Passenger's Warning Buzzer Pedal Switch -F349- Warning Buzzer -H3-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A <sup>55)</sup> 15 A <sup>56)</sup>	- Special Signals Control Head -E507- Signals System Control Module -J616-	30
6	- Fuse 6 (on fuse panel F) -SF6-	3 A	- Special Signals Control Head -E507- Signals System Control Module -J616- Trip Odometer Control Module -J621- 3-Pin Connector -T3d- Crash Data Recorder -J754-	15
7	- Fuse 7 (on fuse panel F) -SF7-	20 A	- Special Purpose Vehicle Control Module -J608-	30
8	- Fuse 8 (on fuse panel F) -SF8-	10 A	- Crash Data Recorder -J754-	30
9	- Fuse 9 (on fuse panel F) -SF9-	10 A	- 12 V Socket 4 -U20-	30
10	- Fuse 10 (on fuse panel F) -SF10-	10 A	- Two-Way Radio Cut-Off Relay -J84- , through model year 2013 Strobe Lights Relay -J630- Left Strobe Light -M47- Right Strobe Light -M48-	30
11	- Fuse 11 (on fuse panel F) -SF11-	10 A	- Two-way radio cut-off relay 2 -J888- Two-way Radio -R8-	30
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

### 1.11.2 Fuses in Fuse Carrier ST2 on Fuse Panel F -SF- (black)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
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1	- Fuse 1 (on fuse panel F) -SF1-	30 A	- Rear Lid Control Module 2 -J756-	30
2	- Fuse 2 (on fuse panel F) -SF2-	15 A	- Towing Recognition Control Module -J345-	30
3	- Fuse 3 (on fuse panel F) -SF3-	20 A	- Towing Recognition Control Module -J345-	30
4	- Fuse 4 (on fuse panel F) -SF4-	20 A	- Towing Recognition Control Module -J345-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Electro-Mechanical Parking Brake Button -E538-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Electronic Damping Control Module -J250-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Comfort System Central Control Module -J393-	30
9	- Fuse 9 (on fuse panel F) -SF9-	35 A	- All-Wheel Drive Control Module -J492-	30
10	- Fuse 10 (on fuse panel F) -SF10-	30 A	- Comfort System Central Control Module -J393-	30
11	- Fuse 11 (on fuse panel F) -SF11-	20 A	- Comfort System Central Control Module -J393-	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Vehicle positioning system interface control module -J843- Fuel Tank Lead Detection Control Module -J909-	30

### 1.11.3 Fuses in Fuse Carrier ST3 on Fuse Panel F -SF- (brown)

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No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	30 A	- Rear Lid Control Module -J605-	30
2	- Fuse 2 (on fuse panel F) -SF2-	20 A	- Sockets Relay -J807- Cigarette Lighter -U1- 12 V Socket -U5- Converter with Socket, 12V, 230V -U13- 12 V Socket 2 -U18- 12 V Socket 3 -U19-	30
3	- Fuse 3 (on fuse panel F) -SF3-	40 A	- Voltage Stabilizer -J532-	30
4	- Fuse 4 (on fuse panel F) -SF4-	30 A	- Voltage Stabilizer -J532- Radio -R- Digital Sound System Control Module -J525-	30
5	- Fuse 5 (on fuse panel F) -SF5-	25 A	- Converter with Socket, 12V, 230V -U13-	30
6	- Fuse 6 (on fuse panel F) -SF6-	30 A	- Auxiliary Heater Control Module -J364-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Left Rear Heated Seat Regulating Switch -E128- Right Rear Heated Seat Regulating Switch -E129-	30
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	- Right Front Door	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Auxiliary Heater RF Receiver -R64-	30
11	- Fuse 11 (on fuse panel F) -SF11-	30 A	- Right Rear Door	30

12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Telephone Transceiver -R36- Amplifier for Telephone -R86- Telephone Baseplate -R126-	30
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#### 1.11.4 Fuses in Fuse Carrier ST4 on Fuse Panel F -SF- (red)

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-		- Not used	
2	- Fuse 2 (on fuse panel F) -SF2-		- Not used	
3	- Fuse 3 (on fuse panel F) -SF3-		- Not used	
4	- Fuse 4 (on fuse panel F) -SF4-		- Not used	
5	- Fuse 5 (on fuse panel F) -SF5-		- Not used	
6	- Fuse 6 (on fuse panel F) -SF6-		- Not used	
7	- Fuse 7 (on fuse panel F) -SF7-		- Not used	
8	- Fuse 8 (on fuse panel F) -SF8-		- Not used	
9	- Fuse 9 (on fuse panel F) -SF9-		- Not used	
10	- Fuse 10 (on fuse panel F) -SF10-		- Not used	
11	- Fuse 11 (on fuse panel F) -SF11-		- Not used	
12	- Fuse 12 (on fuse panel F) -SF12-		- Not used	

#### 1.11.5 Fuses in Fuse Carrier ST5 on Fuse Panel F -SF- (black)

57) Only models with stop/start system

58) Only models with SCR-System

59) Only models with High-Voltage System

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No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	15 A	- Right Front Seat Ventilation Control Module -J799-	30
2	- Fuse 2 (on fuse panel F) -SF2-	5 A	- Automatic Day/Night Interior Mirror Relay -J910- <sup>57)</sup> Automatic Day/Night Interior Mirror -Y7- <sup>57)</sup>	30
3	- Fuse 3 (on fuse panel F) -SF3-	30 A	- Supply Fuse Carrier 2 -ST2- Fuse 1 (on fuse panel D) -SD1- through fuse 4 (on fuse panel D) -SD4- <sup>57)</sup>	30
4	- Fuse 4 (on fuse panel F) -SF4-	7.5 A	- Control Module for Information Electronics 1 -J794-	30

5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Chip Card Reader Control Module -J676- Radio -R- TV Tuner -R78-	30
6	- Fuse 6 (on fuse panel F) -SF6-	5 A	- Rear View Camera System Control Module -J772-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Rear Window Defogger Relay -J9- Heated Rear Window -Z1-	30
8	- Fuse 8 (on fuse panel F) -SF8-	5 A	- Preparation for Multimedia: Double Connector, in driver's backrest -T2dy- Double Connector, in front passenger's backrest -T2dz-	30
9	- Fuse 9 (on fuse panel F) -SF9-		- Not used	
10	- Fuse 10 (on fuse panel F) -SF10-		- Not used	
11	- Fuse 11 (on fuse panel F) -SF11-	30 A	- Reducing Agent Metering System Control Module -J880- <sup>58)</sup>	30
12	- Fuse 12 (on fuse panel F) -SF12-	10 A <sup>58)</sup> 15 A <sup>59)</sup>	- Reducing Agent Metering System Control Module -J880- <sup>58)</sup> Battery Regulation Control Module -J840- <sup>59)</sup>	30

### 1.11.6 Single Fuse on Fuse Panel F -SF-

Items	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
H	- Heated Rear Window Fuse -S41-	40 A	- Rear Window Defogger Relay -J9- Heated Rear Window -Z1-	30

## 1.12 Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6- for models without high-voltage system, through May 2012

Component Location for models without high-voltage system, through May 2012:

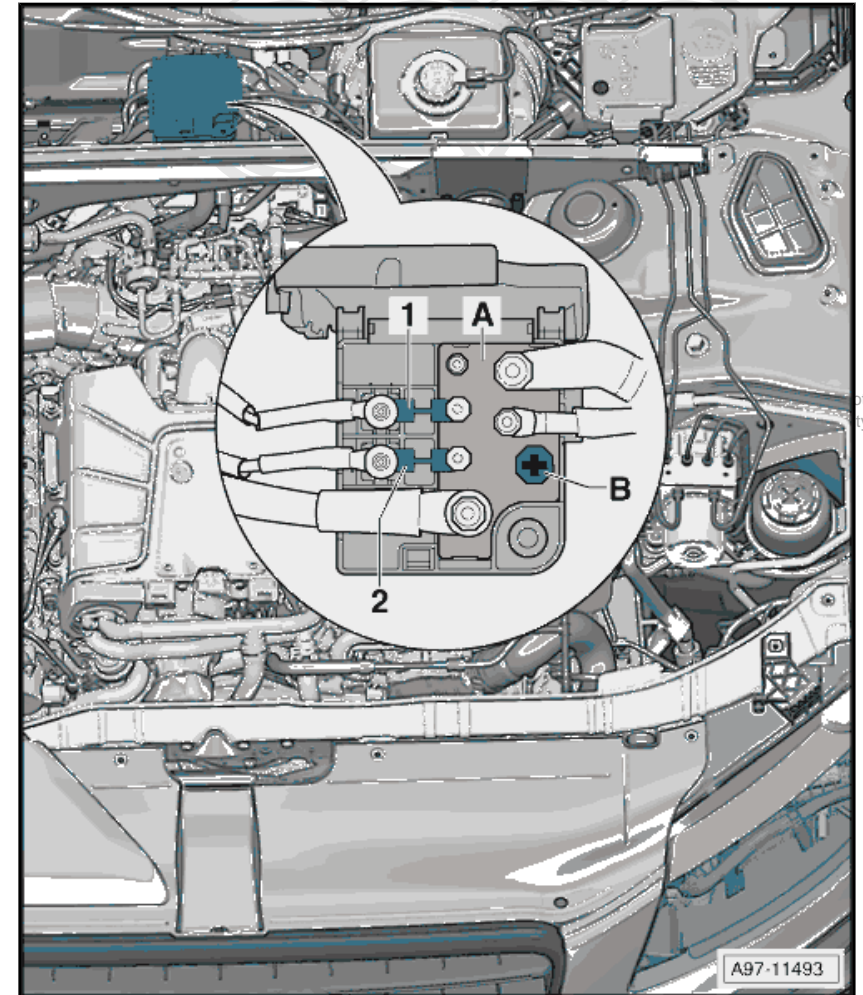
In engine compartment, center plenum chamber

A - Terminal 30 wire junction 2 -TV22-

B - Battery Jump Start Terminal -U6-

1 - Fuse 1 - terminal 30 -S204- , ⇒ [page 46](#)

2 - Fuse 2 - terminal 30 -S205- , ⇒ [page 46](#)



### 1.12.1 Fuses on Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6-

60) Models with coolant fan control 1000 W are -S204- (600 W) and -S205- (400 W) installed.

61) Models with coolant fan control 800 W are -S204- (400 W) and -S205- (400 W) installed.

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 - terminal 30 -S204-	40 A 60 A	- Coolant Fan Control 400W <sup>61)</sup> , Coolant Fan Control 600W <sup>60)</sup> ,	30

2	-	Fuse 2 - terminal 30 -S205-	110 A	-	Coolant Fan Control 400W	30
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### 1.13 Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6- for models with high-voltage system (Hybrid), from June 2011 / for models without high-voltage system, from June 2012

**Component Location for models with high-voltage system (Hybrid), from June 2011 / for models without high-voltage system, from June 2012:**

In engine compartment, center plenum chamber

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A - Terminal 30 wire junction 2 -TV22-

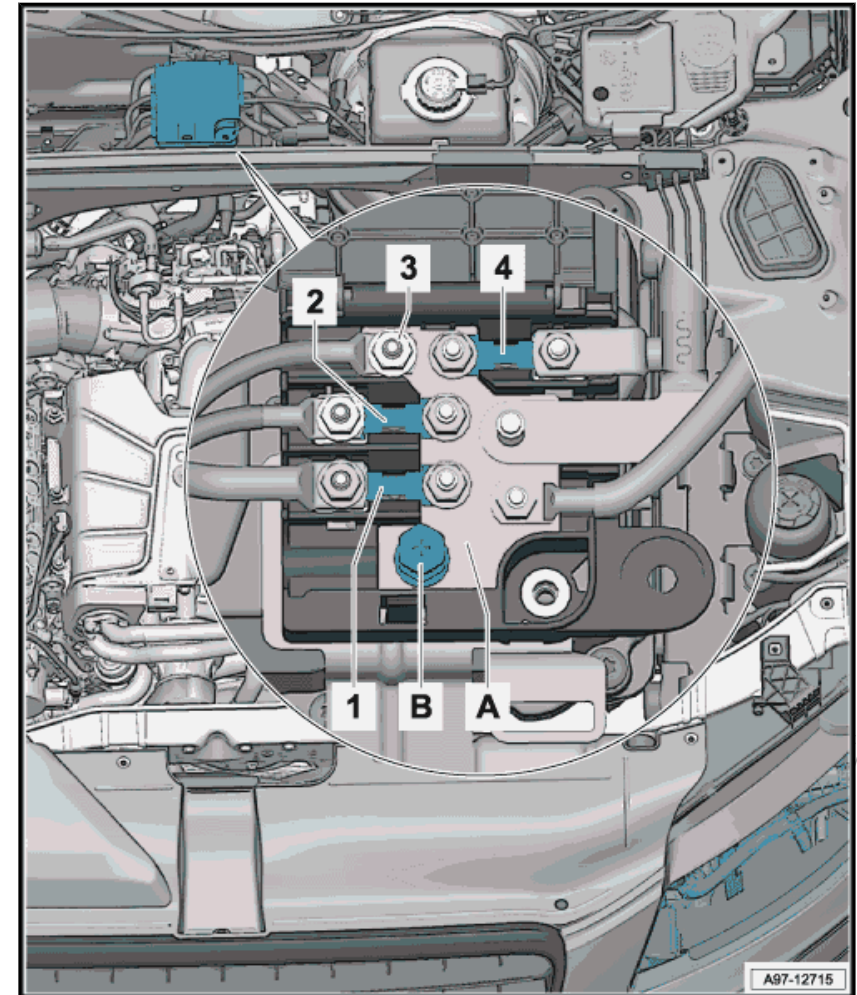
B - Battery Jump Start Terminal -U6-

1 - Fuse 2 - terminal 30 -S205- , ⇒ [page 48](#)

2 - Fuse 1 - terminal 30 -S204- , ⇒ [page 48](#)

3 - Connection A1 (10,0 red)

4 - Fuse 3 - terminal 30 -S206- , ⇒ [page 48](#)



### 1.13.1 Fuses on Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6-

62) S204 (600 W) and S205 (400 W) are installed in models with coolant fan control 1000 W.

63) S204 (400 W) and S205 (400 W) are installed in models with coolant fan control 800 W.

64) For models with high-voltage system.

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
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1	- Fuse 2 - terminal 30 -S205-	40 A 175 A	- Coolant Fan Control 400W <sup>63)</sup> Electric Drive Power and Control Electronics -JX1- <sup>62)</sup>	30
2	- Fuse 1 - terminal 30 -S204-	40 A 60 A	- Coolant Fan Control 400W Coolant Fan Control 600W / Coolant Fan Control 1000W <sup>64)</sup>	30
3	- Connection A1 (10,0 red)	-	- Supply Fuse -S126- Fuse -S328-	30
4	- Fuse 3 - terminal 30 -S206-	110 A	- Power Steering Control Module -J500-	30

### 1.14 Terminal 30 wire junction 2 -TV22- With Battery Jump Start Terminal -U6- For models Sport (SQ5), from November 2015

Components for model Sport (SQ5) from November 2015:

Cowl area - center

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A - Terminal 30 wire junction 2 -TV22-

B - Battery jump start terminal -U6-

1 - Fuse 2 (terminal 30) -S205-

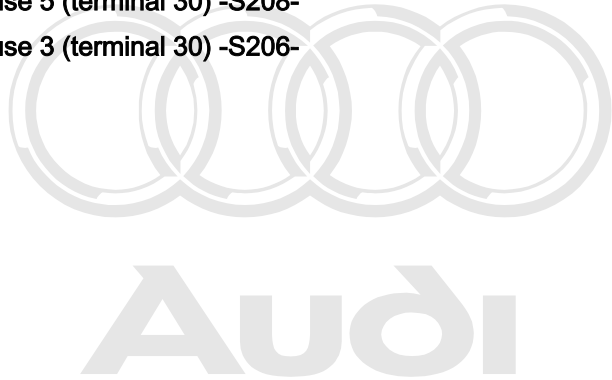
2 - Fuse 1 (terminal 30) -S204-

3 - Connection A1 A1 (10,0 red)

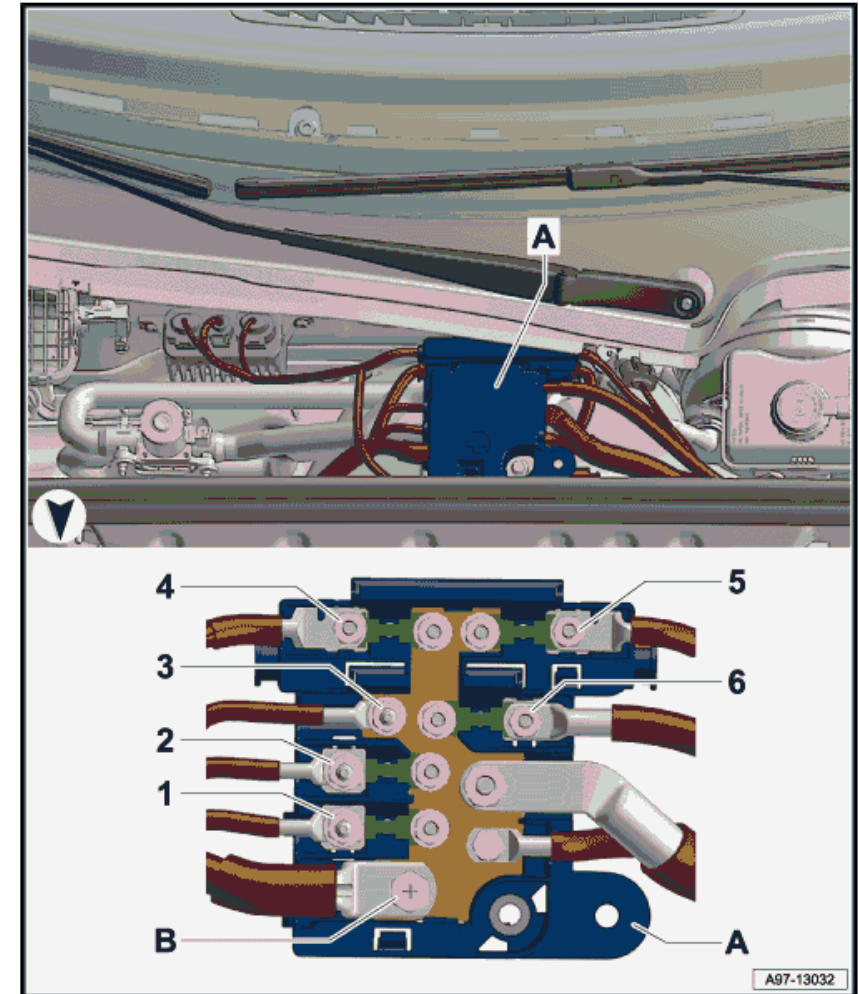
4 - Fuse 4 (terminal 30) -S207-

5 - Fuse 5 (terminal 30) -S208-

6 - Fuse 3 (terminal 30) -S206-



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### 1.14.1 Fuses on Terminal 30 wire junction 2 -TV22- with Battery Jump Start Terminal -U6-

65) 1 - for model with coolant fan 1000 W and S204 (600 W) and S205 (400 W) installed.

66) 2 -for model with coolant fan 800 W and S204 (400 W) and S205 (400 W) installed.

No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 2 (terminal 30) -S205-	40 A	- Coolant Fan Control 400 W <sup>66)</sup>	30

2	- Fuse 1 (terminal 30) -S204-	40 A 60 A	- Coolant Fan Control 400 W Coolant Fan Control 600 W / Coolant Fan Control 1000 W <sup>65)</sup>	30
3	- Connection A1 (10,0 red)	-	- Supply Auxiliary heater fuse -S126- Auxiliary heater fuse 2 -S328-	30
4	- Fuse 4 (terminal 30) -S207-	50 A	- Catalytic converter heating control module 1 -J1021- Catalytic converter heater 1 -Z119-	30
5	- Fuse 5 (terminal 30) -S208-	50 A	- Catalytic converter heating control module 1 -J1021- Catalytic converter heater 2 -Z120-	30
6	- Fuse 3 (terminal 30) -S206-	110 A	- Power steering control module -J500-	30

## 1.15 3-Pin relay / fuse panel

**Component Location 3-Pin relay / fuse panel for models with left-hand drive:**

Below instrument panel driver's side on relay / fuse panel with Vehicle Electrical System Control Module -J519- and threaded connection.

67) Only models with diesel engine



### Note

*Illustration shows models with left-hand drive.*



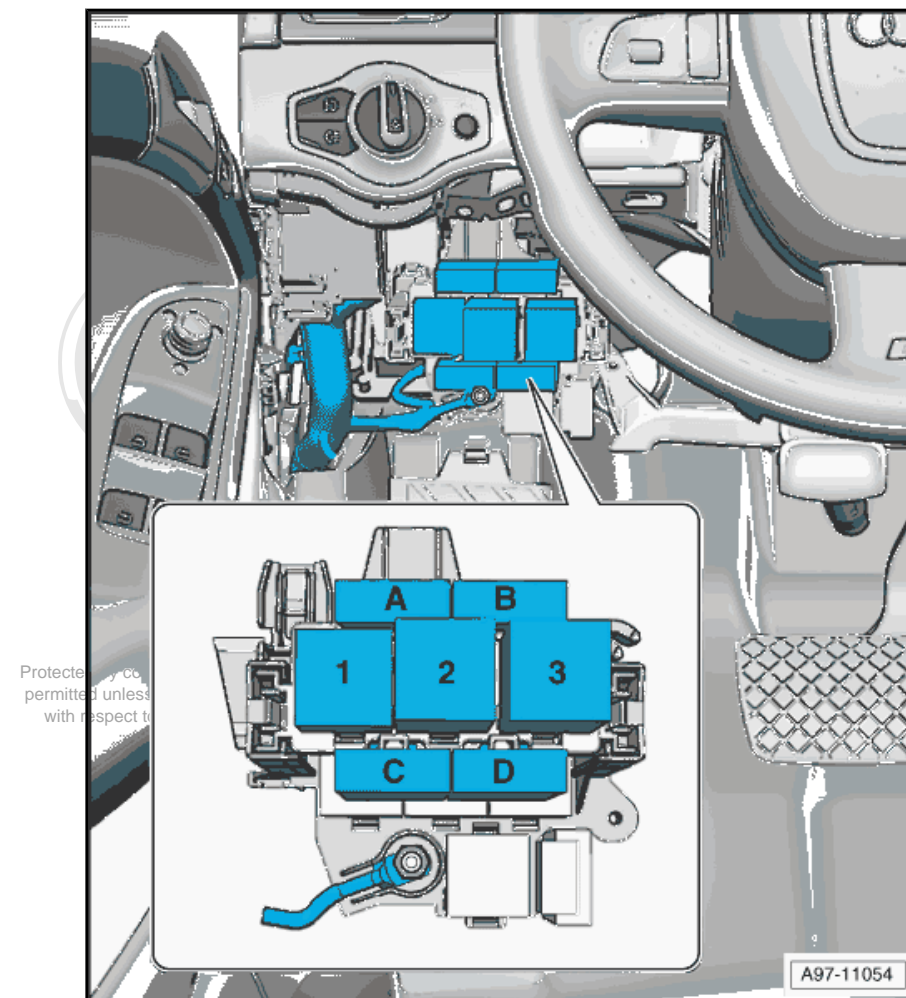
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A - Not used

B - Not used

C - Auxiliary Heater Fuse -S126- <sup>67)</sup>, 40 A

D - Auxiliary Heater Fuse 2 -S328- <sup>67)</sup>, 60 A



## 1.16 6-Pin connector station A-pillar, driver's side

Component Location 6-Pin connector station A-pillar, driver's side, only models with left-hand drive:

In driver's footwell on A-pillar, behind side trim

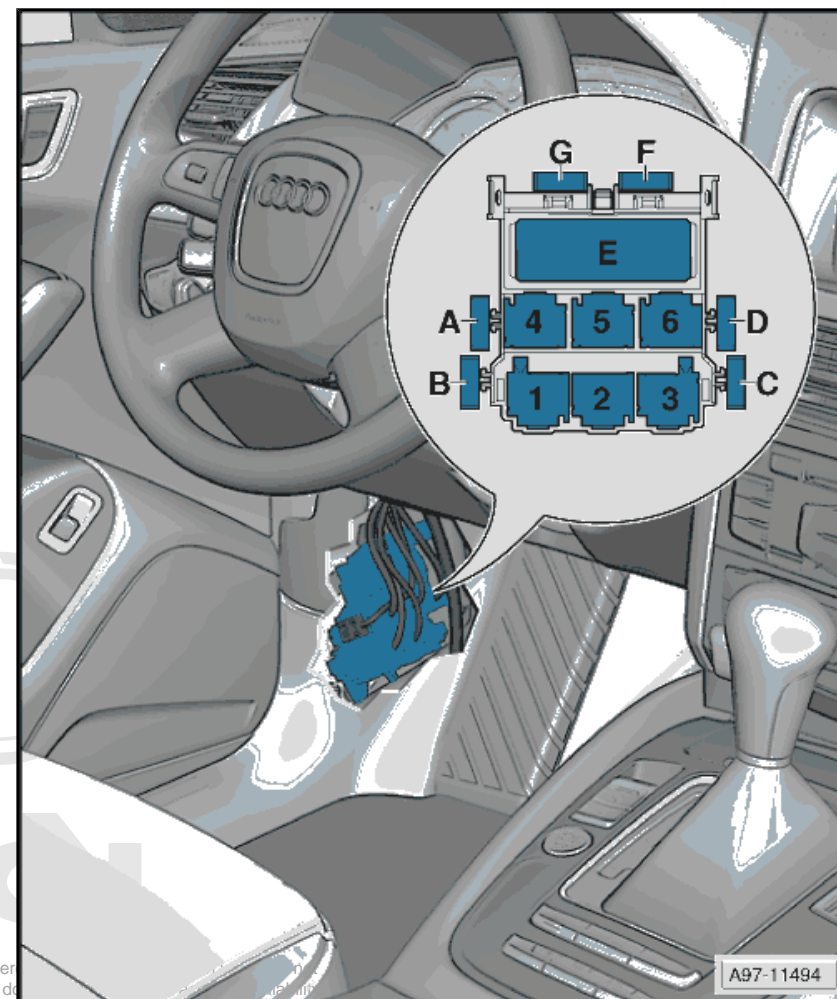


Note

*Illustration shows models with left-hand drive.*

F - Front Passenger's Power Seat Adjustment Circuit Breaker 1 -S46-, 15 A

G - Driver's Power Seat Adjustment Circuit Breaker 1 -S44-, 15 A



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**1.17 6-Pin connector station A-pillar, front passenger's side**

**Component Location** 6-Pin connector station A-pillar, front passenger's side, only models with left-hand drive:

In front passenger's footwell on A-pillar, behind side trim

68) Only models with left-hand drive

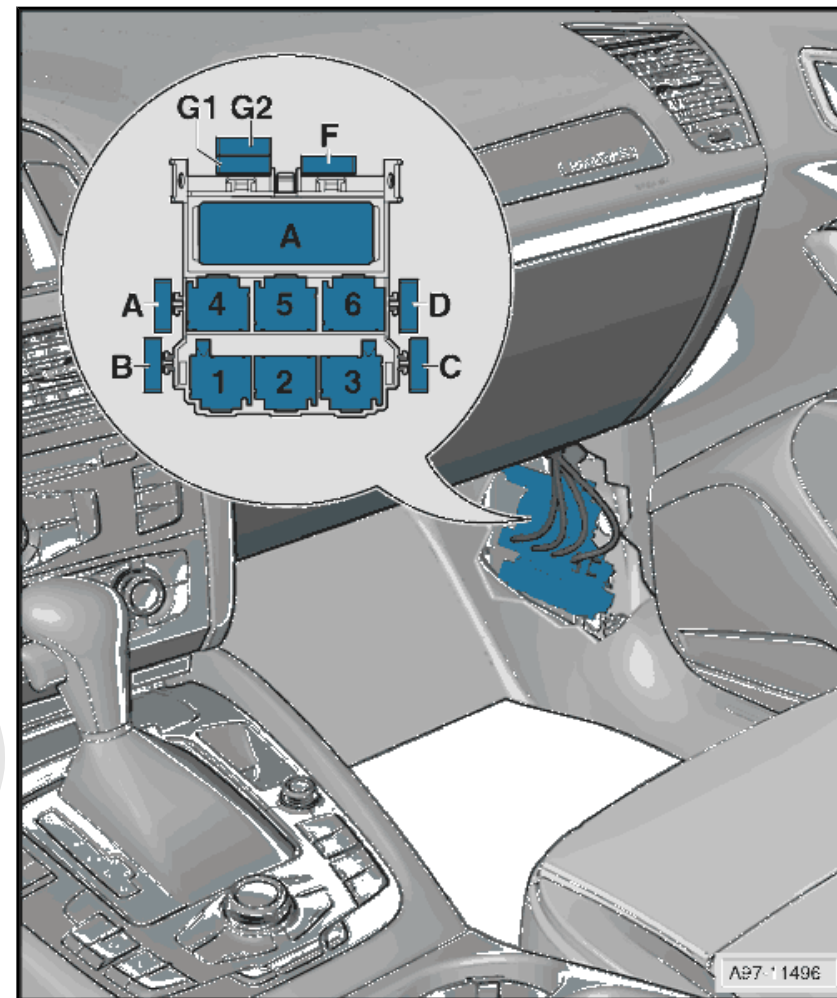
**Note**

*Illustration shows models with left-hand drive.*



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G1 - Fuse Terminal 30, Trailer Operation -S77- 68), 30 A



## 1.18 Relay / fuse panel with Vehicle Electrical System Control Module -J519-

Component Location Relay / Fuse panel with Vehicle Electrical System Control Module -J519- for models with left-hand drive:

Below driver's instrument panel

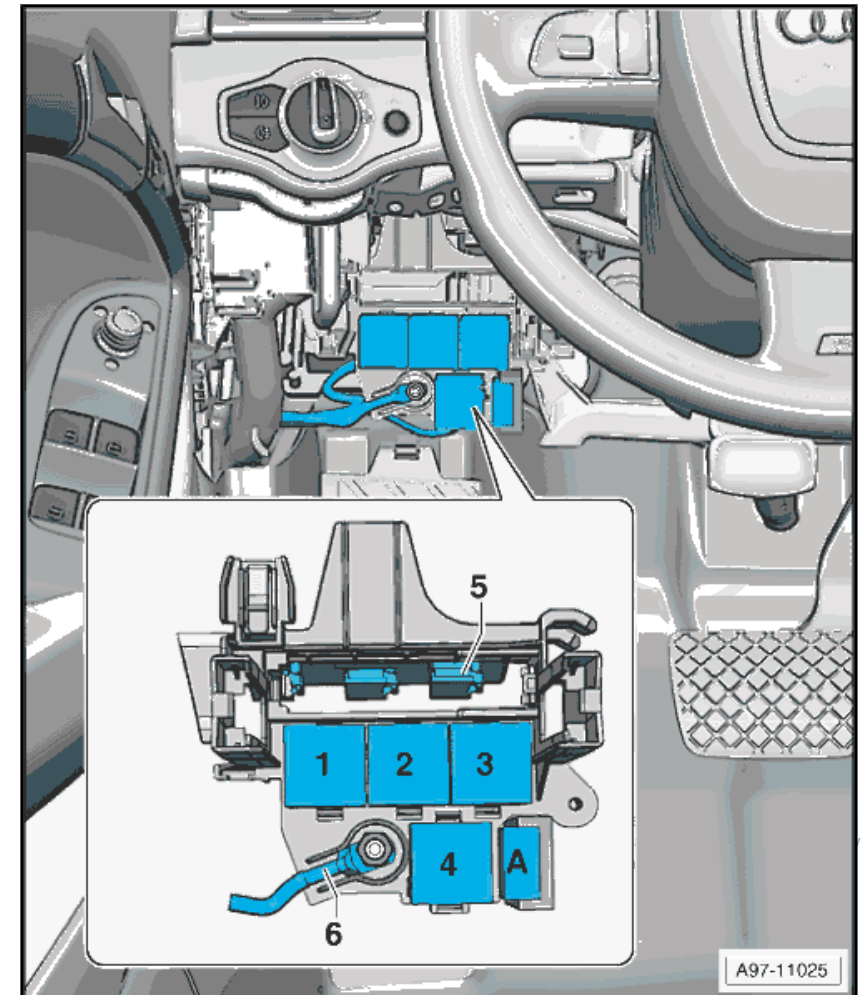
69) Only models with left-hand drive



### Note

*Illustration shows models with left-hand drive.*

**A - ABS Control Module Fuse 1 -S123-<sup>69)</sup>, 40 A**





## 1 Comp. Loc. Relays

### 1.1 Overview of Relays

1 -

Relay / fuse panel F (SF)

- ☐ For models through January 2011: [⇒ page 5](#)
- ☐ For models from January 2011: [⇒ page 6](#)

1 - Battery Separation Relay -J7-

- ☐ Component Location: In spare tire well, beside battery

2 -

Relay / fuse panel on Vehicle Electrical System Control Module (J519)

- ☐ For models with left-hand drive [⇒ page 2](#)

3 -

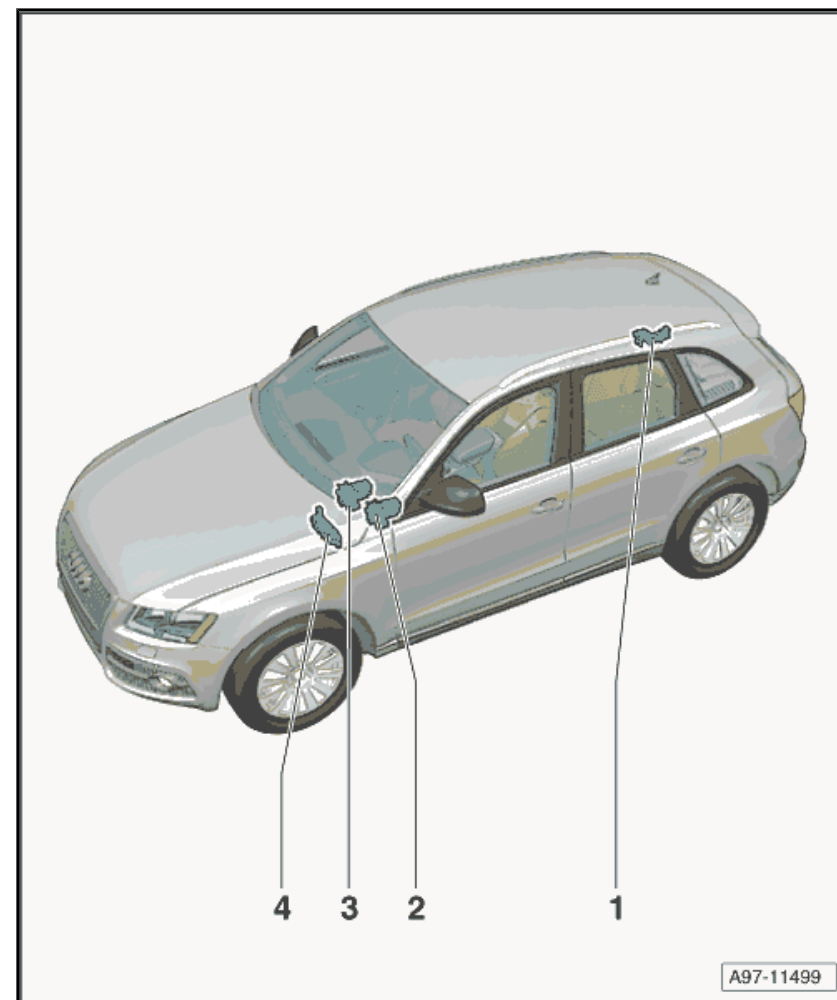
3-Pin relay / fuse panel

- ☐ For models with left-hand drive [⇒ page 3](#)

4 -

Relay / Fuse Panel B (SB)

- ☐ For models with left-hand drive [⇒ page 4](#)



A97-11499

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## 1.2 Relay / fuse panel on Vehicle Electrical System Control Module -J519-

- 1) Applicable through May 2009, models with 3.2L 6 cylinder gasoline engine without auxiliary heater
- 2) Only models with stop/start system
- 3) Only special purpose vehicle
- 4) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)
- 5) Only Driving School

1 - Not used

2 - Recirculation Pump Relay -J160- <sup>1)</sup>

2 - Horn Relay -J413-

2 - Automatic Day/Night Interior Mirror Relay -J910- <sup>2)</sup>

2 - Vacuum Pump Relay -J318- <sup>4)</sup>

3 - Power Supply Relay (terminal 15) -J329-

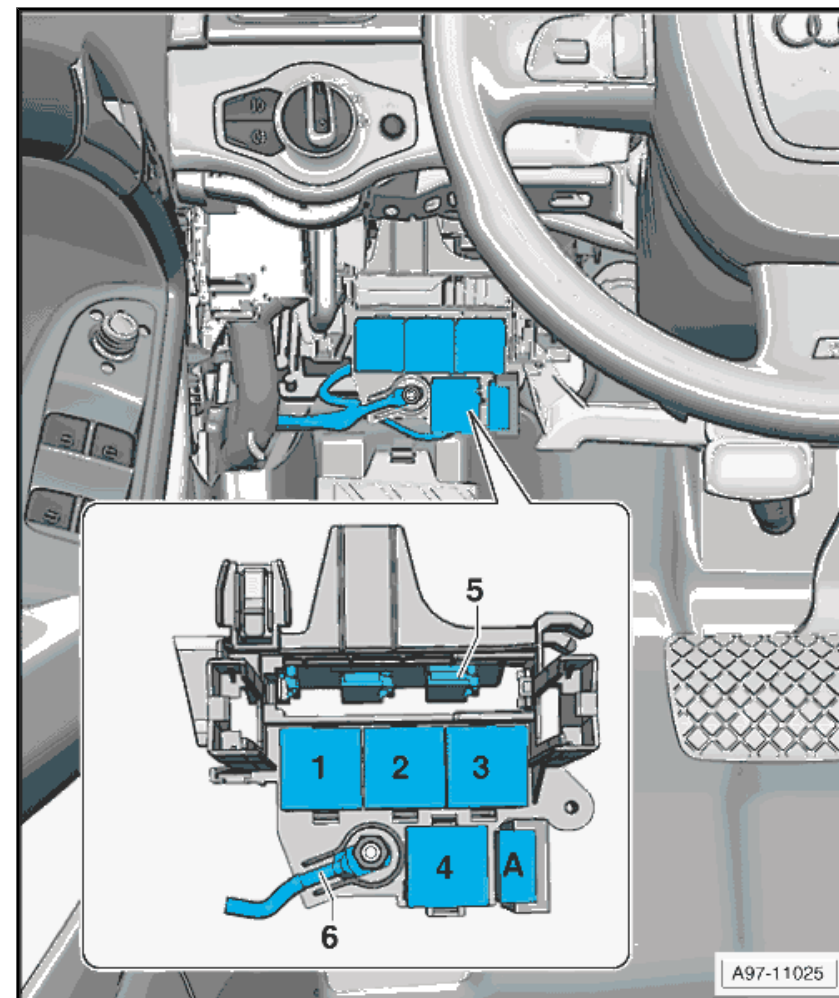
4 - Remote Taxi Alarm Control Module -J601- <sup>3)</sup>

4 - Special Purpose Vehicle Control Module -J608- <sup>3)</sup>

4 - Driving School Operation Relay -J746- <sup>5)</sup>



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A97-11025

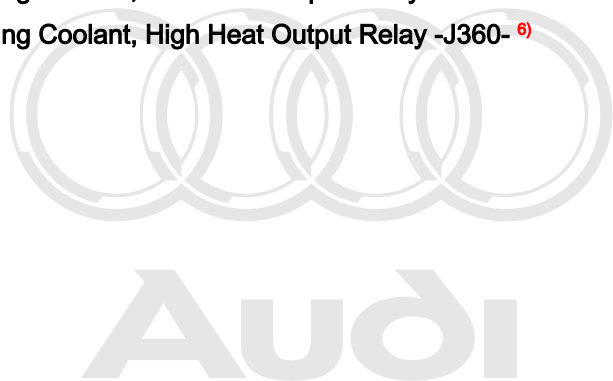
### 1.3 3-Pin relay / fuse panel

6) Only models with diesel engine

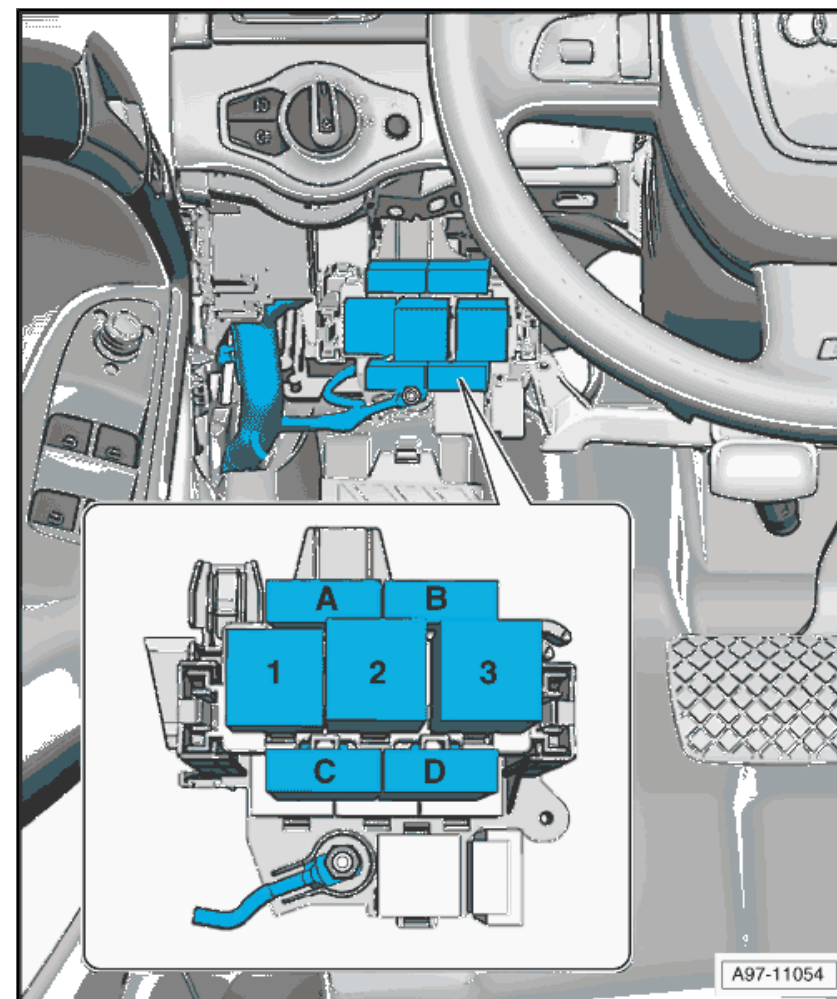
1 - Auxiliary Air Heater Control Module -J604-

2 - Preheating Coolant, Low Heat Output Relay -J359- <sup>6)</sup>

3 - Preheating Coolant, High Heat Output Relay -J360- <sup>6)</sup>



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## 1.4 Relay / fuse panel B -SB-

7) Only models with diesel engine

8) Only models with cylinder 4 gasoline engine

9) Only models with cylinder 6 gasoline engine

10) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

**A - Automatic Glow Time Control Module -J179- 7)**

**A - Engine Component Power Supply Relay -J757- 8) 9)**

**B - Starter Relay -J53-**

□ Location 2.1

**B - Starter Relay 2 -J695-**

□ Location 2.2

**C - Secondary Air Injection (AIR) Pump Relay -J299- 9), 10)**

**D - Power Supply Relay (terminal 30) -J317- 7)**

**D - Motronic Engine Control Module (ECM) Power Supply Relay -J271- 8) 9)**

**E - Fuel Pump (FP) Relay -J17- 7)**

**E - Auxiliary Fuel Pump Relay -J832- 7)**

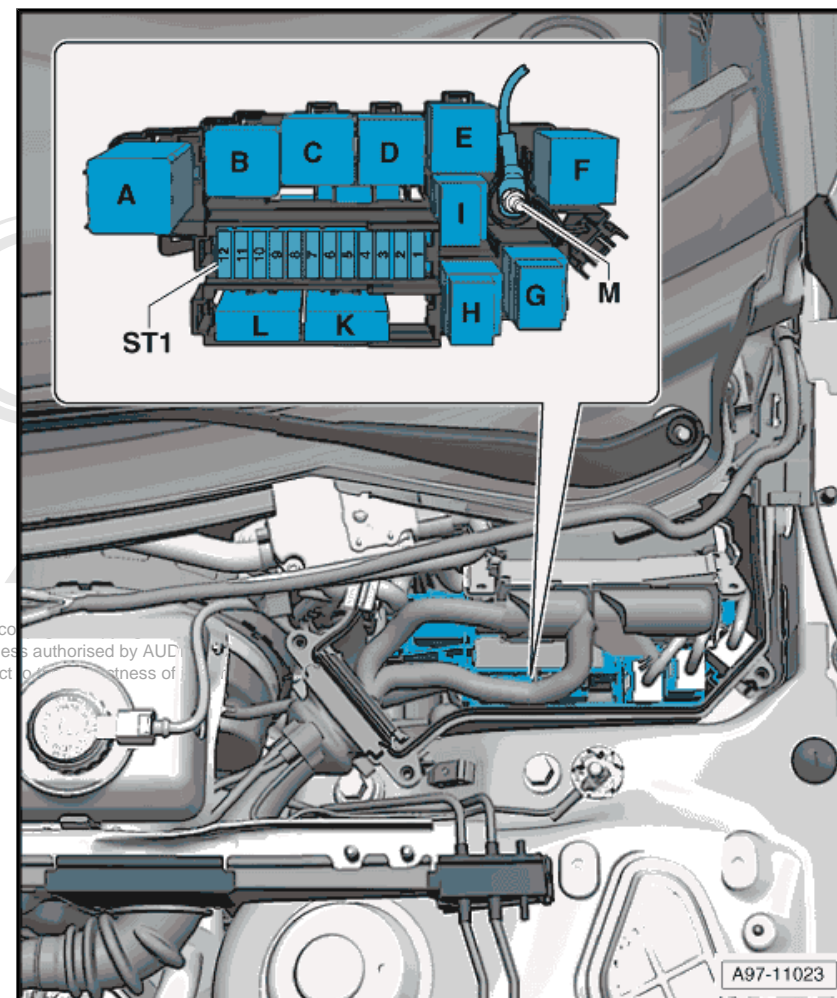
**E - Coolant Circulation Pump Relay -J151- 8)**

**E - Auxiliary Engine Coolant (EC) Pump Relay -J496- 9)**

**E - Transmission Hydraulic Pump Relay -J510- 10)**

**E - Transmission Cooling Circuit Relay -J696-**

**F - Not used**



## 1.5 Relays on Fuse Panel F -SF-

◆ ⇒ "1.5.1 Relays on Fuse Panel F SF , through January 2011", page 5

◆ ⇒ "1.5.2 Relays on Fuse Panel F SF , from January 2011", page 6

### 1.5.1 Relays on Fuse Panel F -SF- , through January 2011

11) Only special purpose vehicle

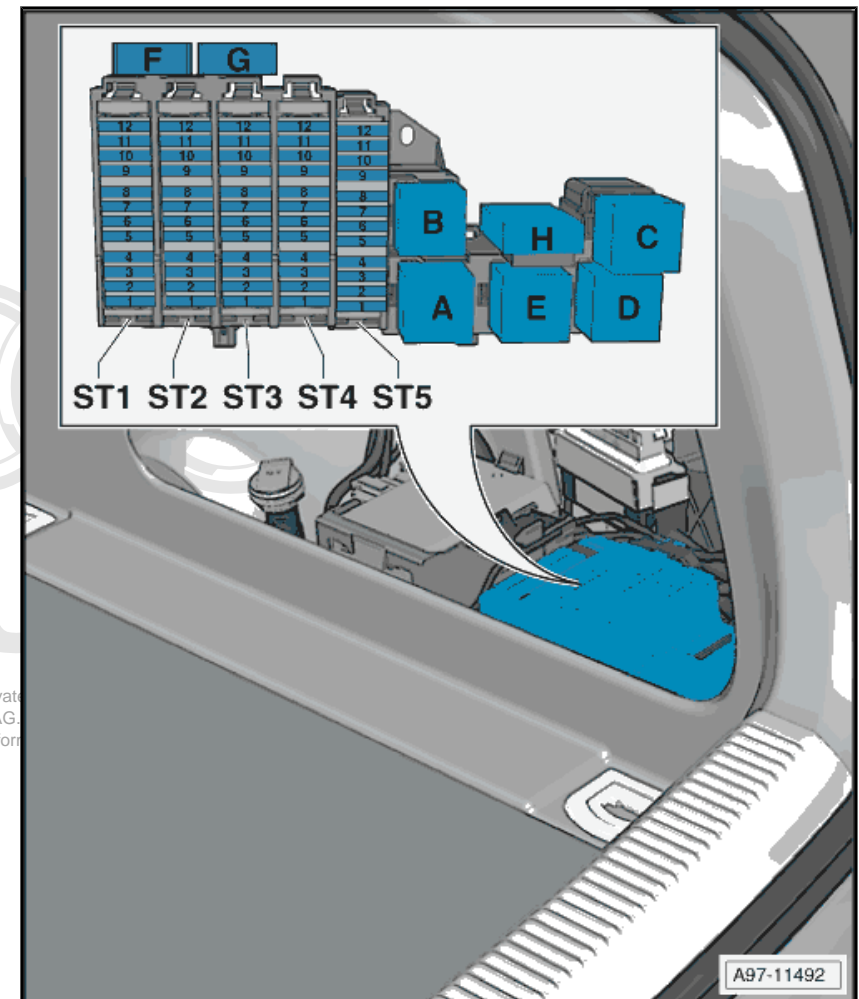
A - Not used

B - Two-Way Radio Cut-Off Relay -J84- <sup>11)</sup>

C - Rear Window Defogger Relay -J9-

D - Not used

E - Sockets Relay -J807-



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A97-11492

## 1.5.2 Relays on Fuse Panel F -SF- , from January 2011

12) Only models with cylinder 4 gasoline engine with high-voltage system (hybrid)

13) Only models with SCR-System

14) Only special purpose vehicle

A - Not used

B - Fan Activation Relay -J937- <sup>12)</sup>

C - Reducing Agent Metering System Relay -J963- <sup>13)</sup>

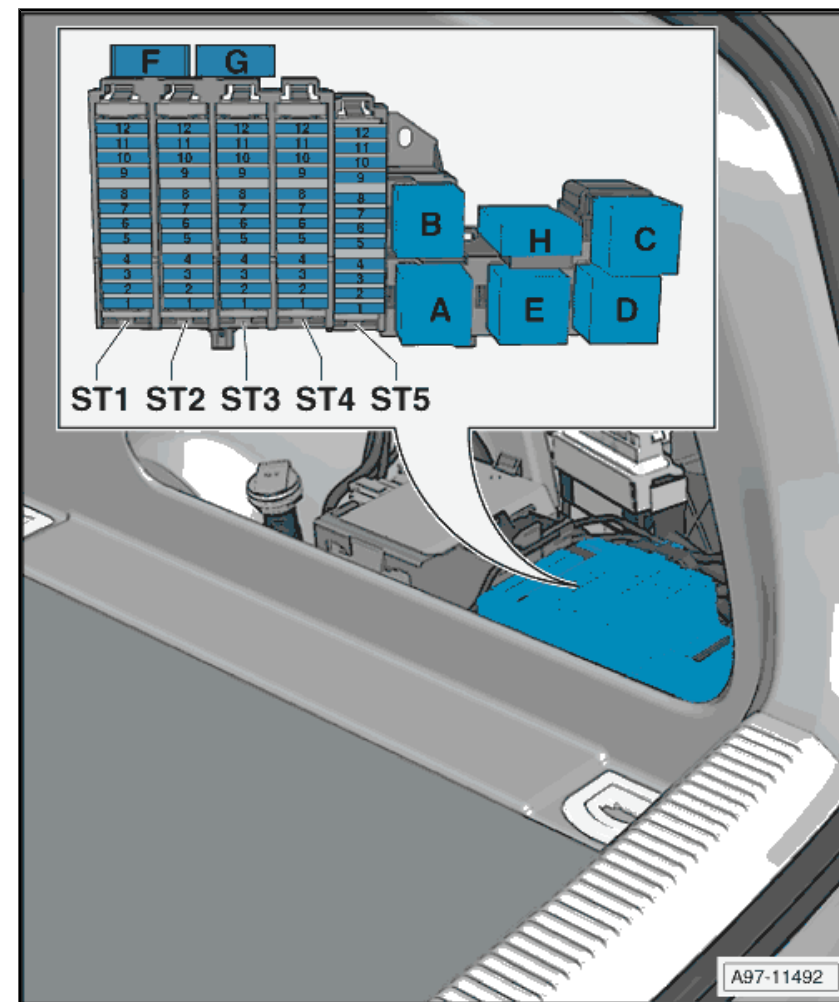
D - Two-Way Radio Cut-Off Relay -J84- <sup>14)</sup>

E - Rear Window Defogger Relay -J9-

F - Sockets Relay -J807-



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## 1 Comp. Loc. Control modules vehicle front

### 1.1 Overview of Control Modules

#### 1 - Right High-intensity Gas Discharge Lamp Control Module -J344-

- ☐ Component Location and Connector, through model year 2012: [⇒ page 9](#)
- ☐ Component Location and Connector, from model year 2013: [⇒ page 11](#)

#### 2 - Coolant fan control module -J293- / Coolant Fan -V7-

- ☐ Component Location and connectors for models with 400 W or 600 W coolant fan: [⇒ page 18](#)
- ☐ Component Location and connectors for models with 800 W or 1000 W coolant fan: [⇒ page 20](#)

#### 2 - Coolant Fan Control (FC) Control Module 2 -J671- / Coolant Fan 2 -V177-

- ☐ Component Location and connectors for models with 800 W or 1000 W coolant fan: [⇒ page 20](#)

#### 3 - ABS Control Module -J104-

- ☐ Component Location and Pin Connector: [⇒ page 17](#)

#### 4 - Catalytic converter heating control module 1 -J1021-

- ☐ Component Location and Pin Connector: [⇒ page 14](#)

#### 5 - Structure-Borne Sound Control Module -J869-

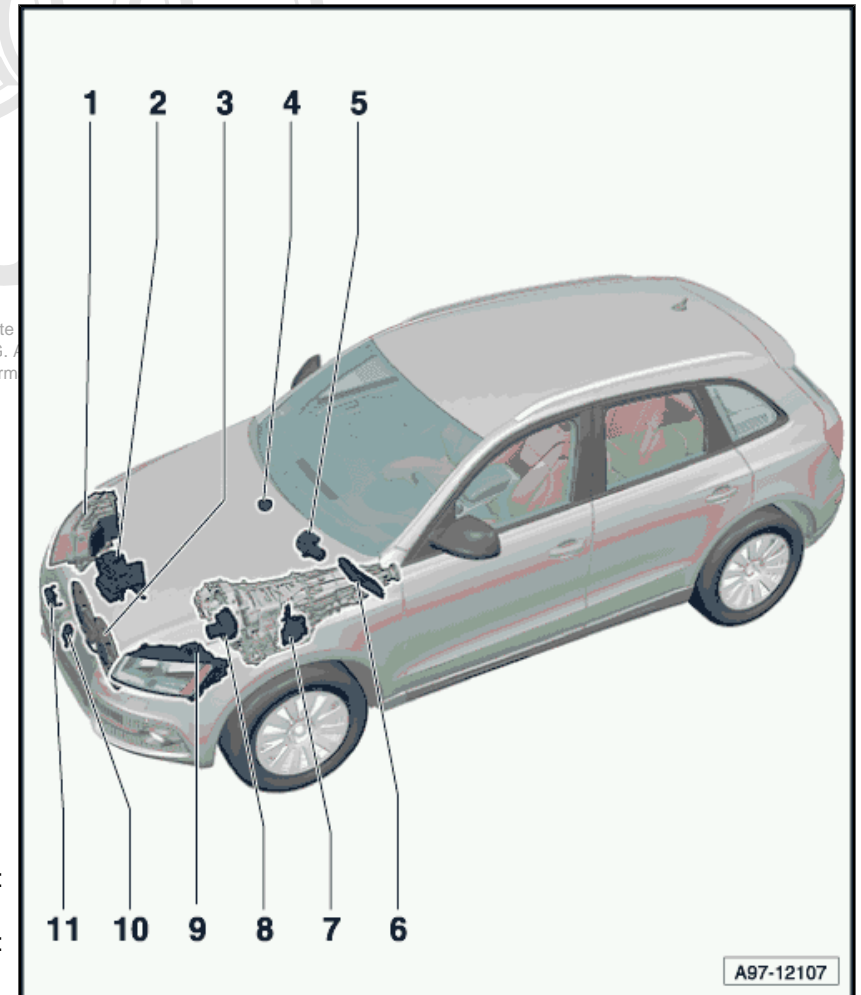
- ☐ Component Location and Pin Connector: [⇒ page 15](#)

#### 6 - Wiper Motor Control Module -J400-

- ☐ Component Location and Pin Connector: [⇒ page 16](#)

#### 7 - Engine Control Module (ECM) -J623-

- ☐ Component Location and connectors for models with left-hand drive (with -T60- and -T94- ): [⇒ page 2](#)
- ☐ Component Location and connectors for models with right-hand drive (with -T60- and -T94- ): [⇒ page 4](#)
- ☐ Component Location and connectors for models with left-hand drive (with -T91- and -T105- ):



[⇒ page 5](#)

- ☐ Component Location and connectors for models with right-hand drive (with -T91- and -T105- ):

[⇒ page 7](#)

**8 -**

**Transmission Control Module (TCM) -J217- / Direct Shift Gearbox (DSG) Mechatronic -J743-**

- ☐ Component Location and Pin Connectors: [⇒ page 13](#)

**9 - Left High-intensity Gas Discharge Lamp Control Module -J343-**

- ☐ Component Location and Connector, through model year 2012: [⇒ page 8](#)

- ☐ Component Location and Connector, from model year 2013: [⇒ page 10](#)

**10 - Garage Door Opener Control Module -J530-**

- ☐ Component Location and Pin Connector: [⇒ page 21](#)

**11 - Auxiliary Heater Control Module -J364-**

- ☐ Component Location and Pin Connector: [⇒ page 12](#)

**12 - Distance Regulation Control Module -J428-**

- ☐ Component Location and Pin Connector: [⇒ page 22](#)

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## **1.2 Engine Control Module (ECM) -J623-**

**Component Location Engine Control Module (ECM) -J623- for models with left-hand drive (with -T60- and -T94- ):**

In Electronics Box (in plenum chamber, driver's side)



Note

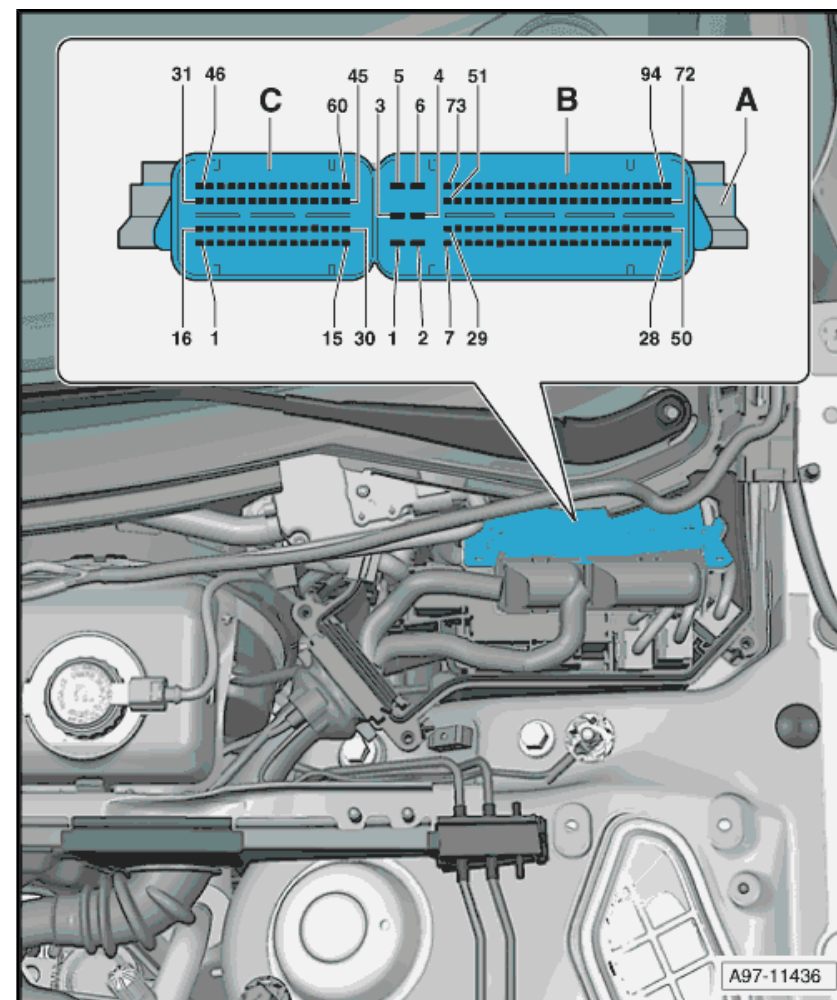
- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 4](#).

A - Engine Control Module (ECM) -J623-

B - 94-Pin Connector -T94-

C - 60-Pin Connector -T60-

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Component Location Engine Control Module (ECM) -J623- for models with right-hand drive (with -T60- and -T94- ):

In Electronics Box (in plenum chamber, driver's side)



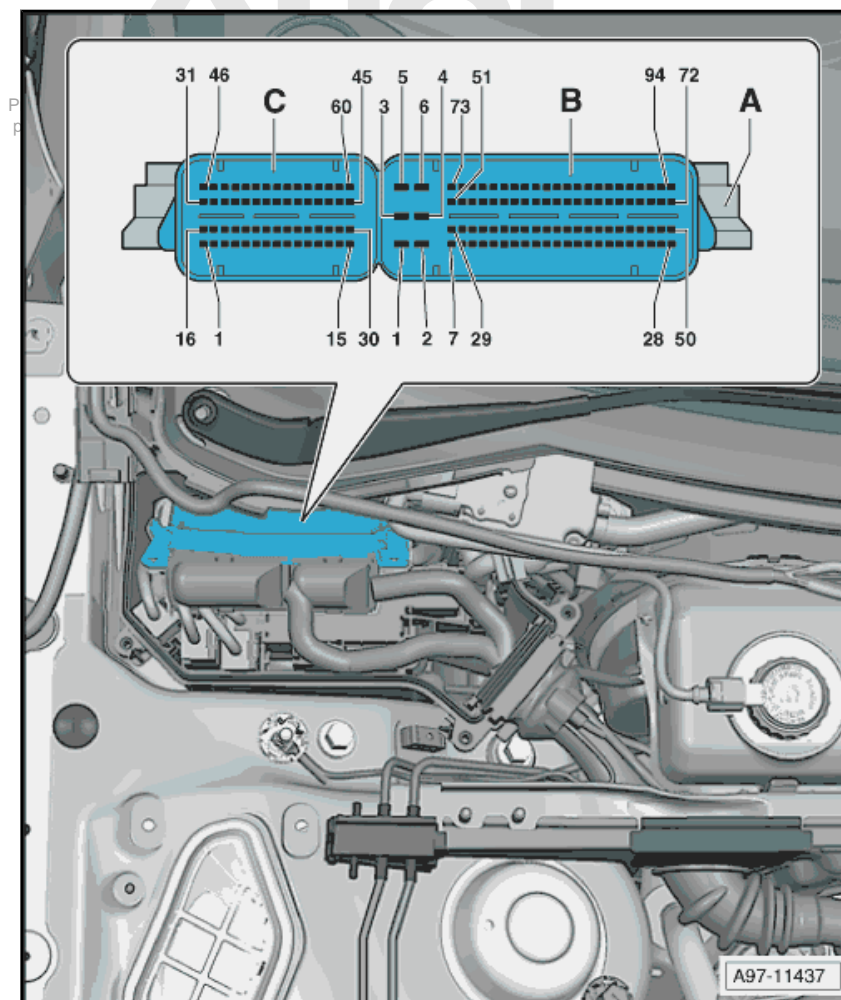
**Note**

- ◆ *Illustration shows models with right-hand drive.*
- ◆ *Illustration for models with left-hand drive ⇒ [page 2](#) .*

A - Engine Control Module (ECM) -J623-

B - 94-Pin Connector -T94-

C - 60-Pin Connector -T60-



**Component Location Engine Control Module (ECM) -J623- for models with left-hand drive (with -T91- and -T105- ):**

In Electronics Box (in plenum chamber, driver's side)



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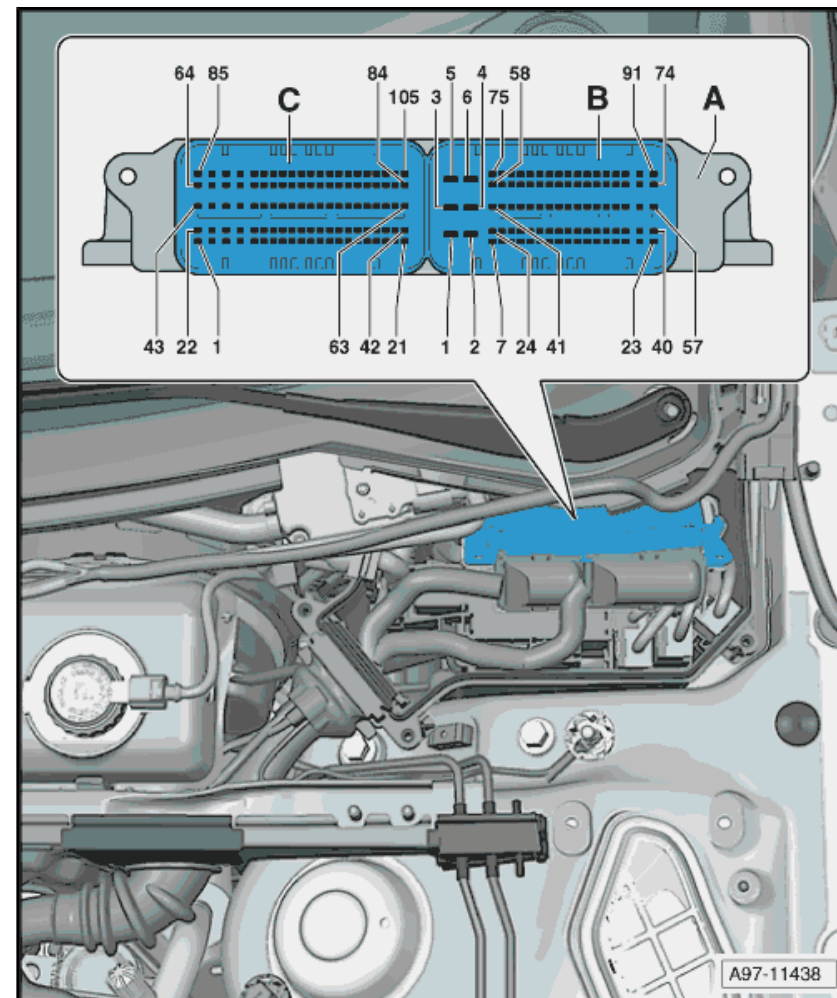
Note

- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 7](#).

A - Engine Control Module (ECM) -J623-

B - 91-Pin Connector -T91-

C - 105-Pin Connector -T105-



Component Location Engine Control Module (ECM) -J623- for models with right-hand drive (with -T91- and -T105- ):

In Electronics Box (in plenum chamber, driver's side)



Note

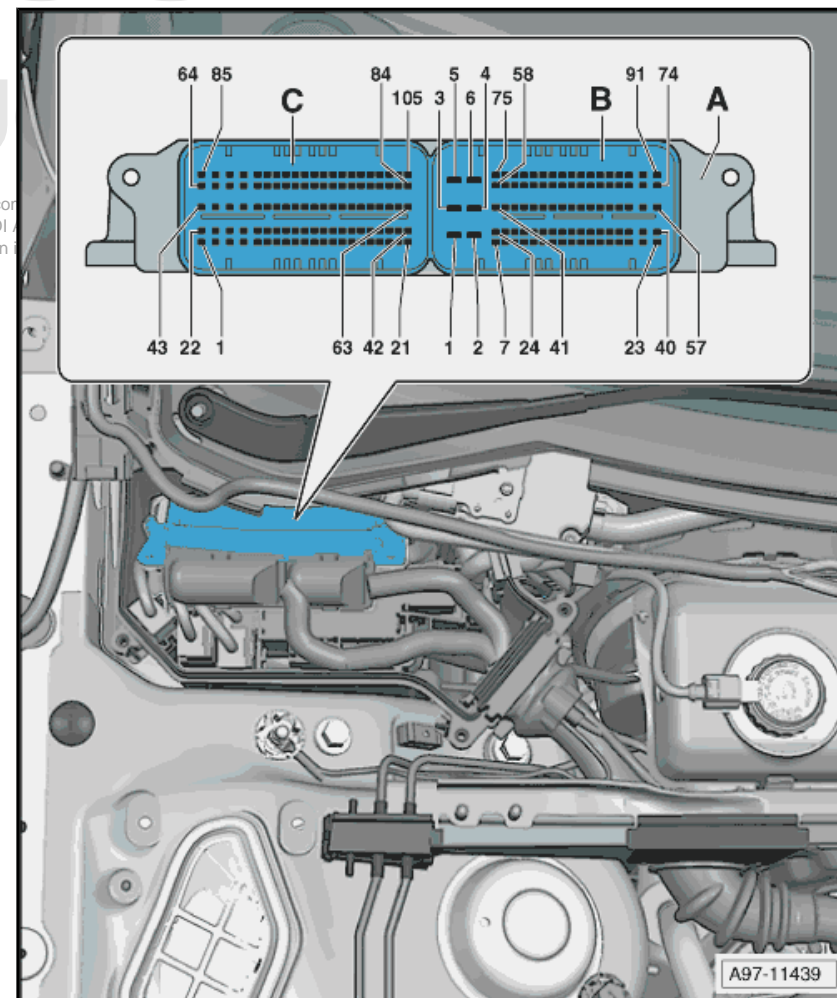
- ◆ Illustration shows models with right-hand drive.
- ◆ Illustration for models with left-hand drive ⇒ [page 5](#).

A - Engine Control Module (ECM) -J623-

B - 91-Pin Connector -T91-

C - 105-Pin Connector -T105-

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### 1.3 Left High-intensity Gas Discharge Lamp Control Module -J343-, through model year 2012

**Component Location:**

On left headlamp.

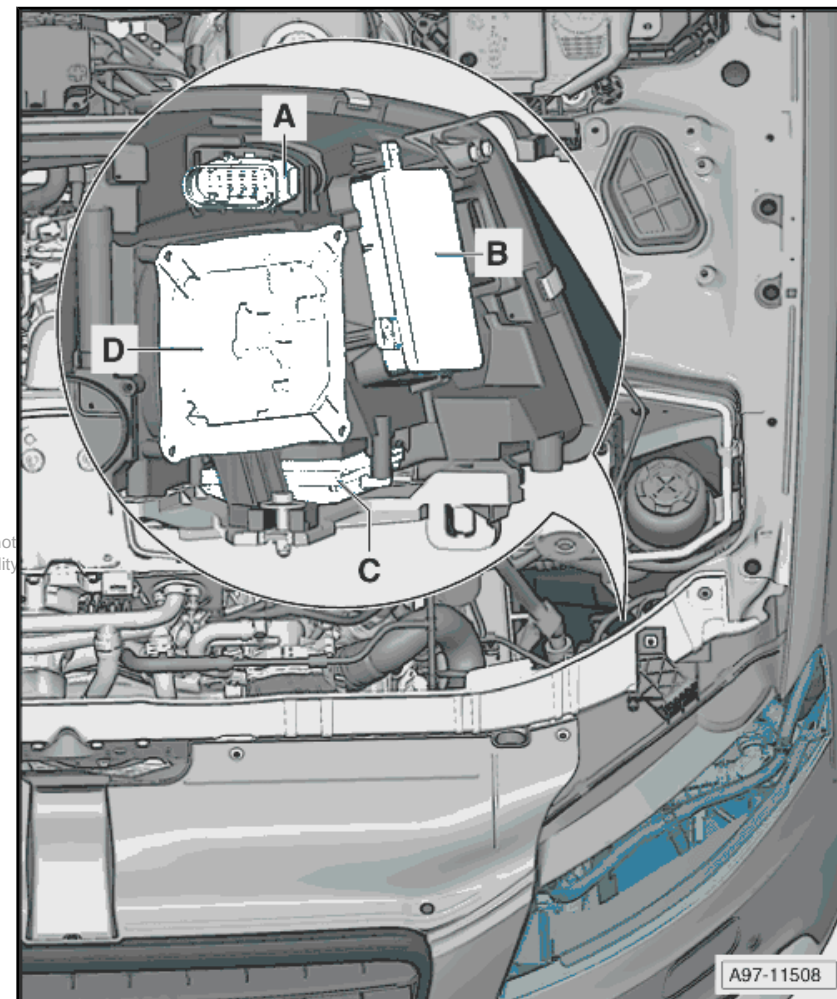
**A - 14-Pin Connector -T14a-**

**B - Left High-intensity Gas Discharge Lamp Control Module -J343-**

**C - Left Headlamp Power Output Stage -J667-**

**D - Left LED Parking Lamp/DRL Module -L176-**

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## 1.4 Right High-intensity Gas Discharge Lamp Control Module -J344- , through model year 2012

Component Location:

On right headlamp.

A - 14-Pin Connector -T14b-

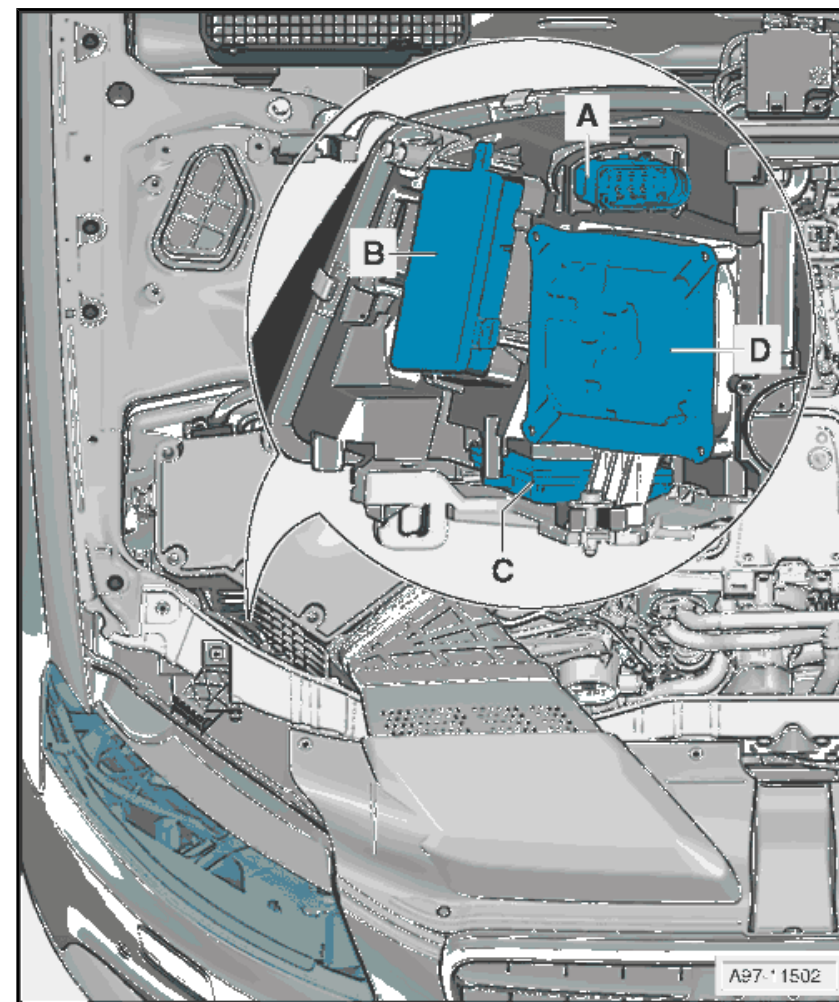
B - Right High-intensity Gas Discharge Lamp Control Module -J344-

C - Right Headlamp Power Output Stage -J668-

D - Right LED Parking Lamp/DRL Module -L177-



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## 1.5 Left High-intensity Gas Discharge Lamp Control Module -J343- , from model year 2013

Component Location:

On left headlamp.

A - 14-Pin Connector -T14a-

B - Left Daytime Running Lamp and Parking Light Control Module -J860-

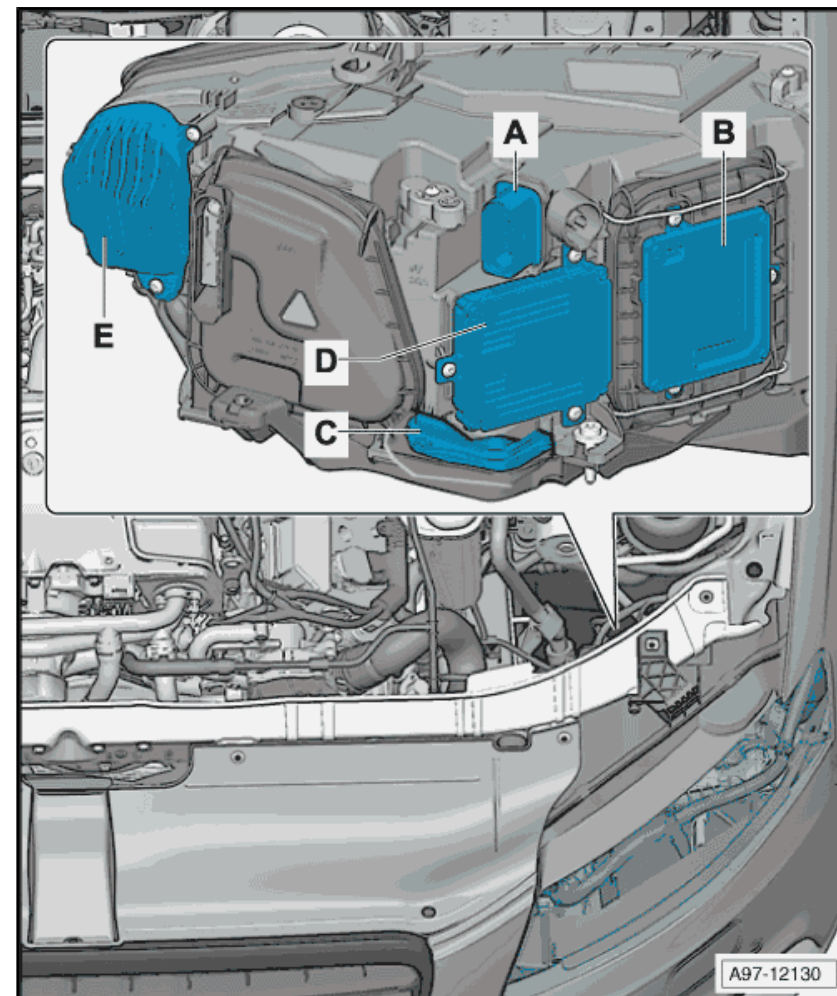
C - Left Headlamp Power Output Stage -J667-

D - Left High-intensity Gas Discharge Lamp Control Module -J343-

E - Left LED Parking Lamp/DRL Module -L176-



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## 1.6 Right High-intensity Gas Discharge Lamp Control Module -J344- , from model year 2013

Component Location:

On right headlamp.

A - 14-Pin Connector -T14b-

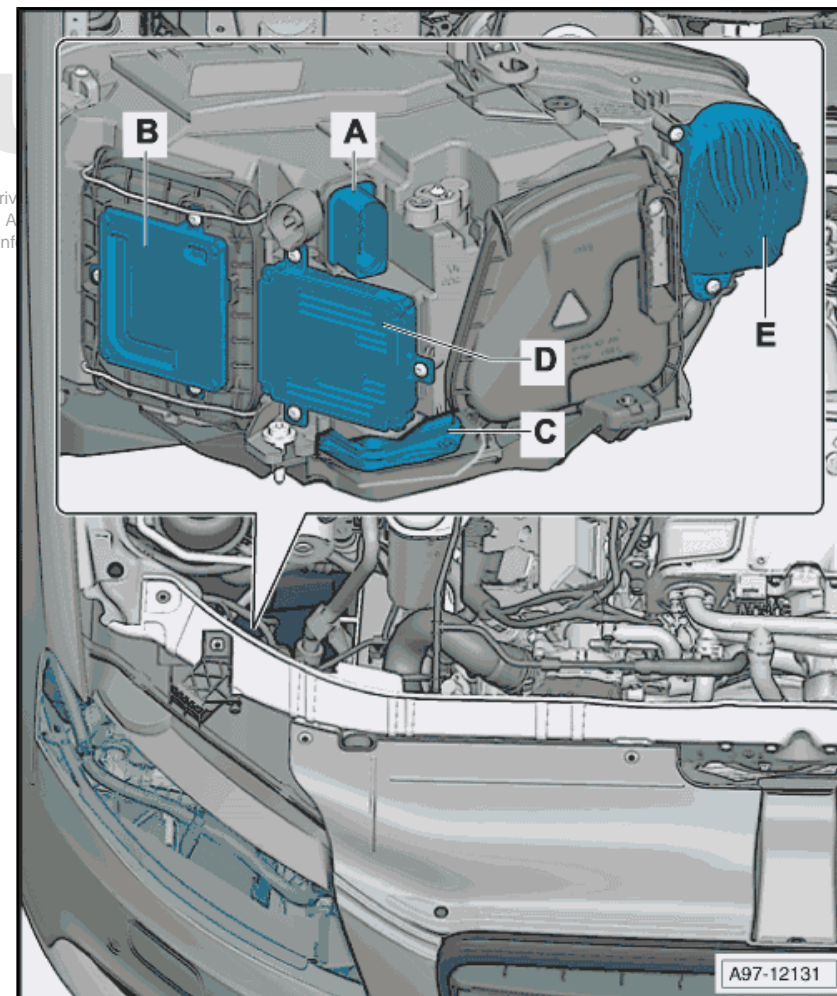
B - Right Daytime Running Lamp and Parking Light Control Module -J861-

C - Right Headlamp Power Output Stage -J668-

D - Right High-intensity Gas Discharge Lamp Control Module -J344-

E - Right LED Parking Lamp/DRL Module -L177-

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## 1.7 Auxiliary Heater Control Module -J364-

**Component Location:**

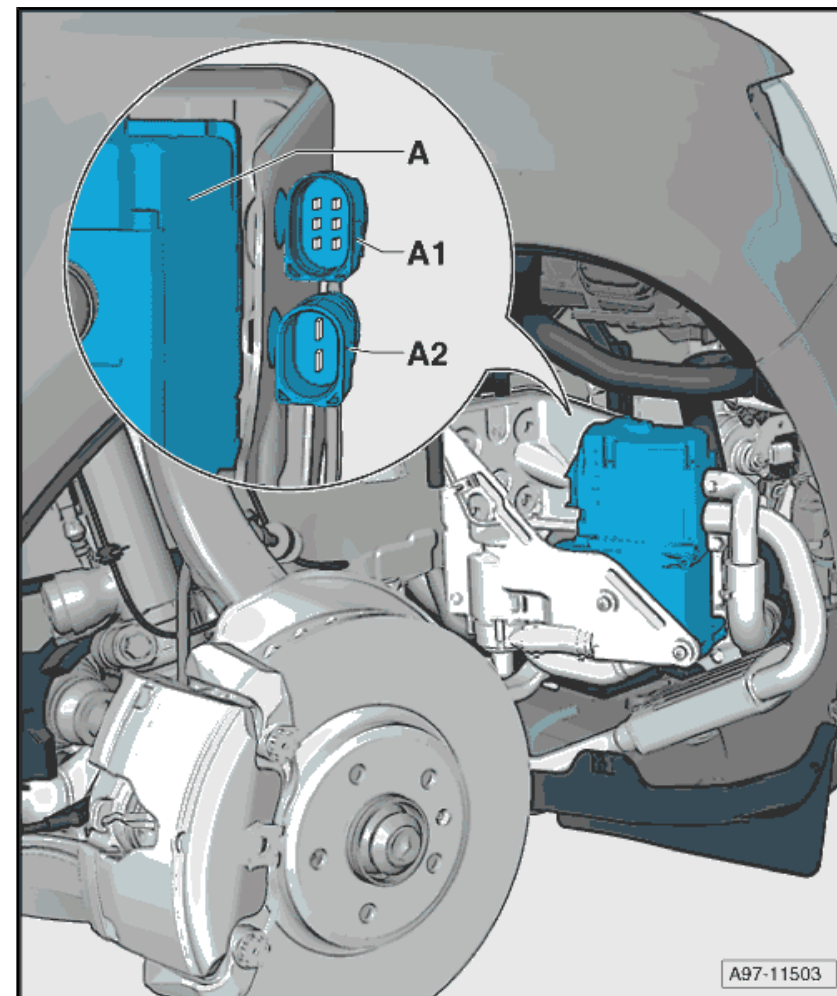
Behind right wheel housing.

**A - Auxiliary Heater Control Module -J364-**

**A1 - 6-Pin Connector -T6a-**

**A2 - Double Connector -T2ds-**

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## 1.8 Transmission Control Module (TCM) -J217- / Direct Shift Gearbox (DSG) Mechatronic -J743-

Component Location:

In transmission housing.

A - Transmission Control Module (TCM) -J217- / Direct Shift Gearbox (DSG) Mechatronic -J743-

A1 - 16-Pin Connector -T16r-

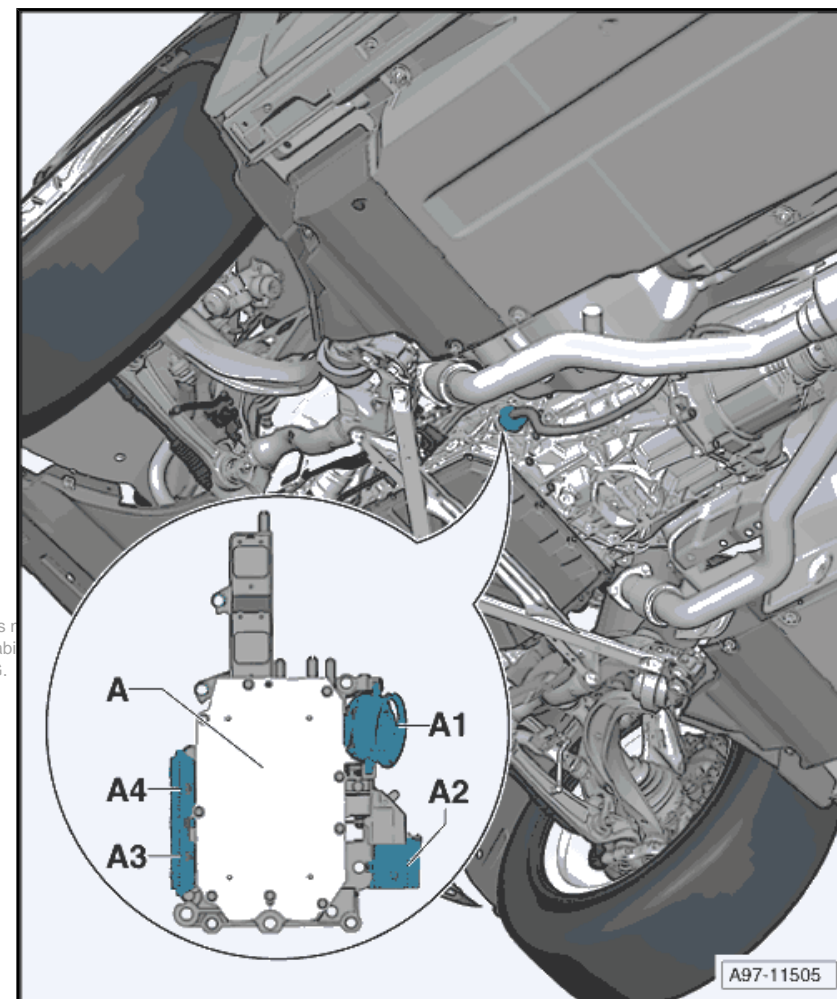
A2 - 8-Pin Connector -T8al-

A3 - 14-Pin Connector -T14h-

A4 - 14-Pin Connector -T14i-



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## 1.9 Catalytic converter heating control module 1 -J1021-

### Component location

In cowl area

1 - Catalytic converter heating control module 1 -J1021-

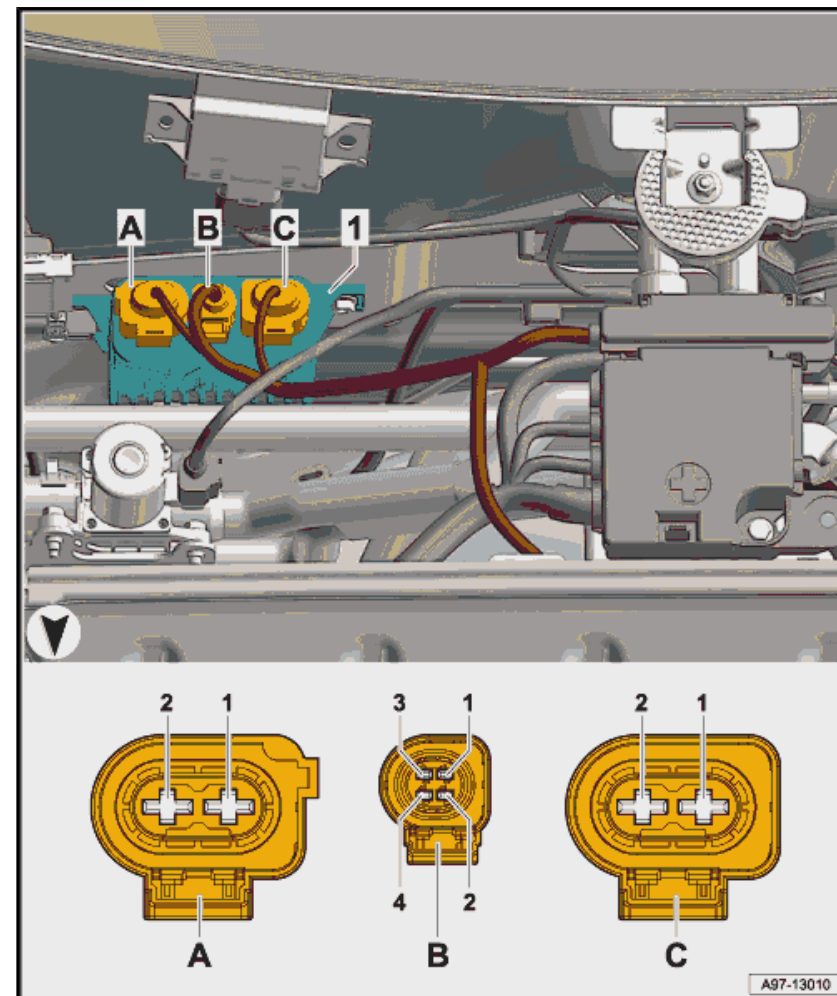
A - Double connector -T2er-

B - 4-pin connector -T4cd-

C - Double connector -T2es-



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## 1.10 Structure-Borne Sound Control Module -J869-

**Component Location:**

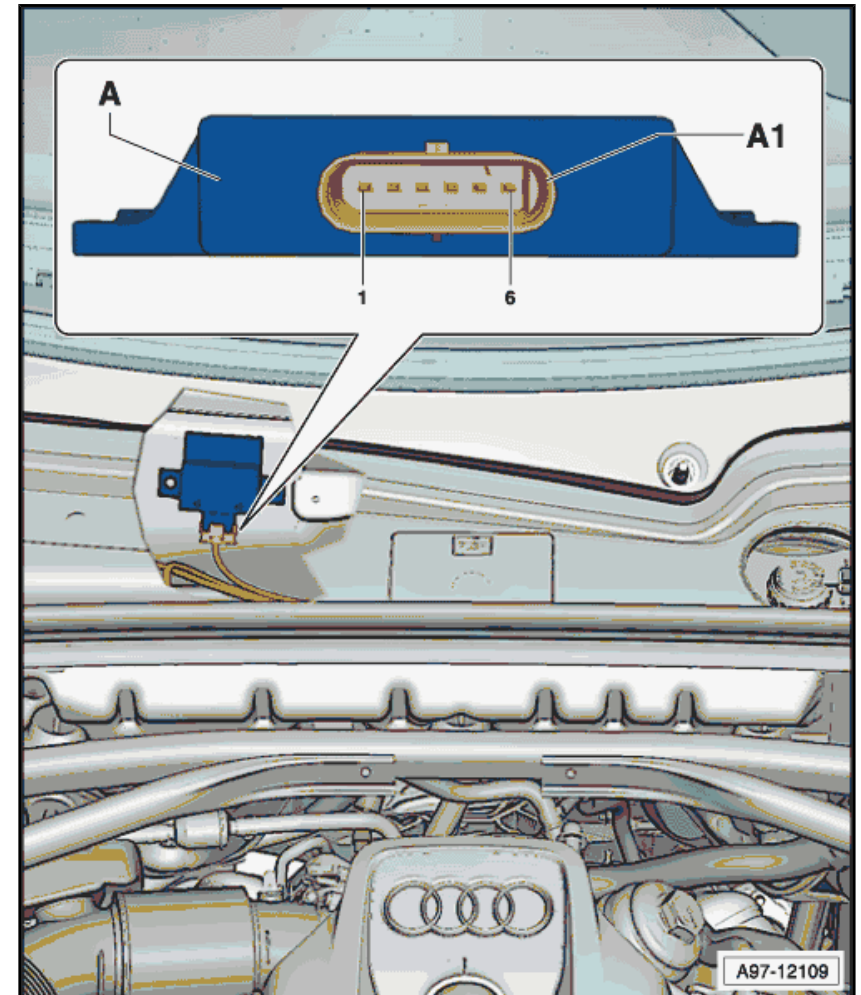
In plenum chamber.

**A - Structure-Borne Sound Control Module -J869-**

**A1 - 6-Pin Connector -T6s-**



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## 1.11 Wiper Motor Control Module -J400-

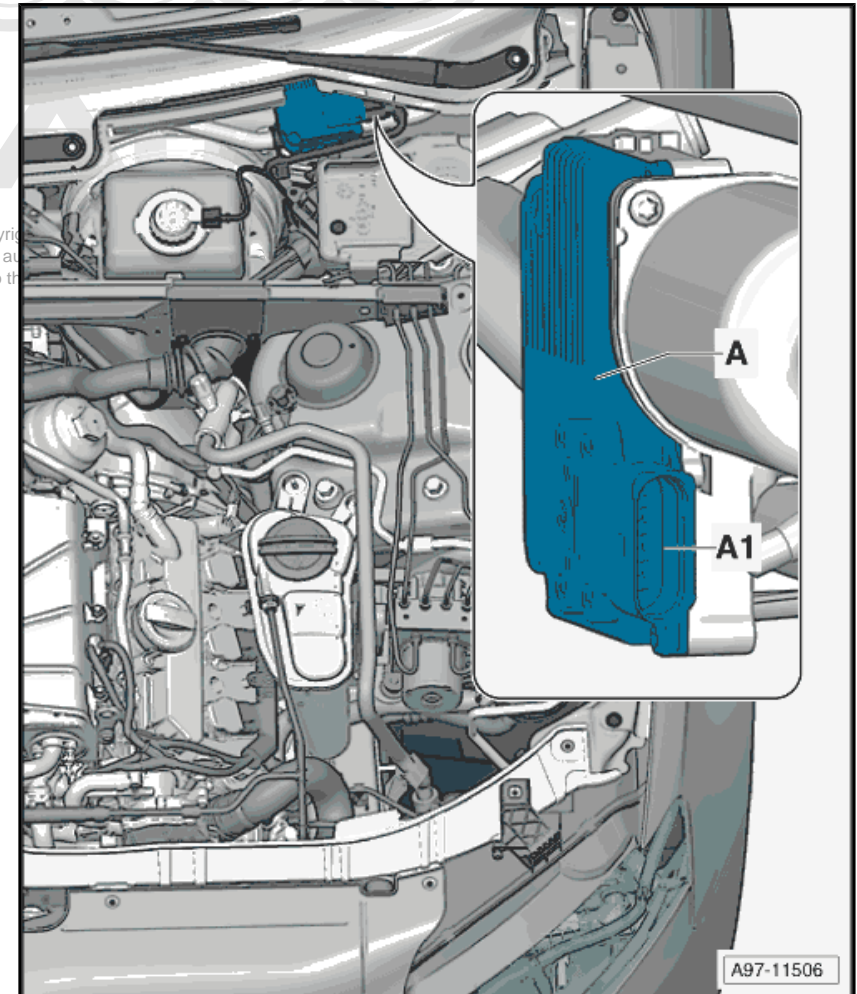
Component Location:

In plenum chamber.

A - Wiper Motor Control Module -J400-

A1 - 4-Pin Connector -T4g-

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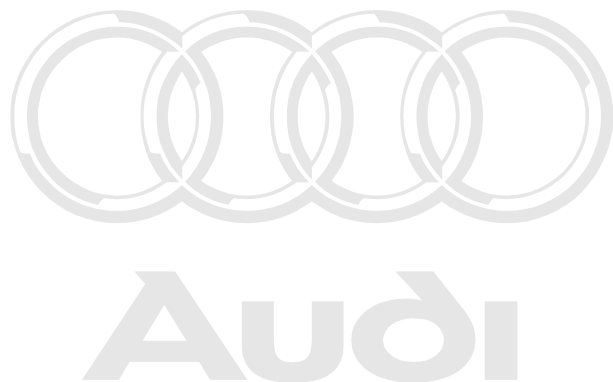
## 1.12 ABS Control Module -J104-

### Component Location:

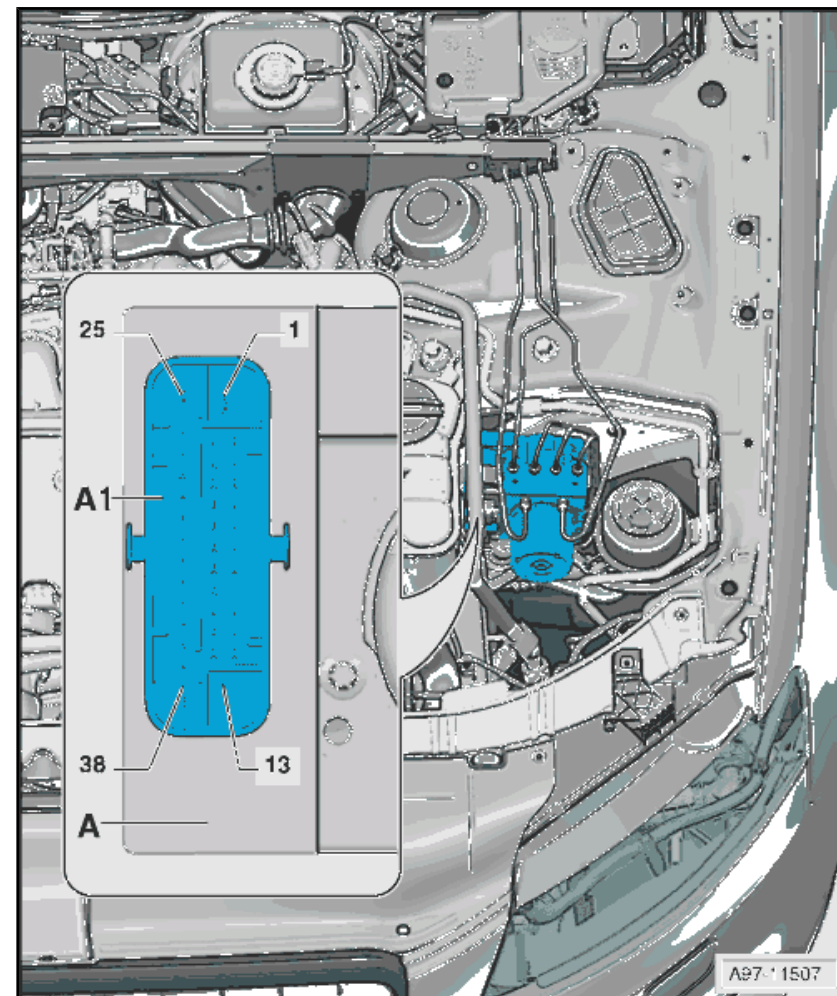
In engine compartment, left.

A - ABS Control Module -J104-

A1 - 38-Pin Connector -T38a-



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**1.13 Coolant Fan 400 W or 600 W****Component Location:**

On Cooler.

**Note**

*Coolant Fan 2 -V177- not for all engine variants applicable.*

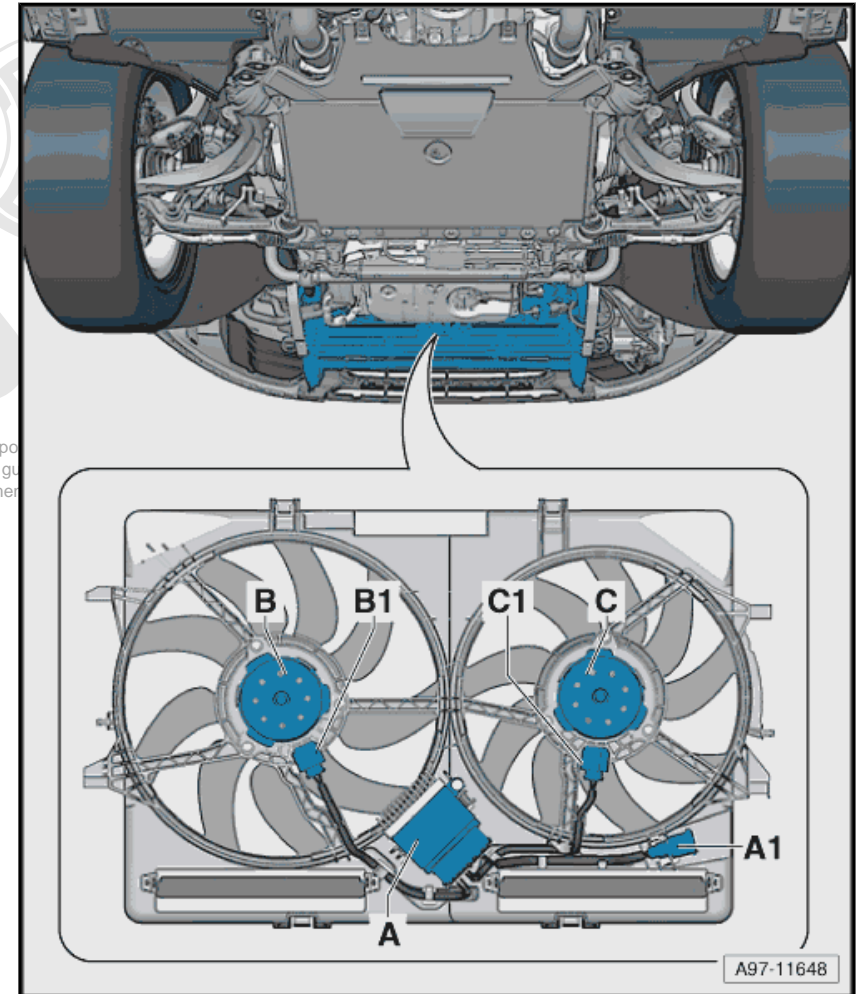


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- A - Coolant fan control module -J293-
- A1 - 4-Pin Connector, black -T4bi-
- B - Coolant Fan -V7-
- B1 - Double Connector, black -T2kl-
- C - Coolant Fan 2 -V177-
- C1 - Double Connector, black -T2km-

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## 1.14 Coolant Fan 800 W or 1000 W

Component Location:

On Cooler.

A - Coolant fan control module -J293-

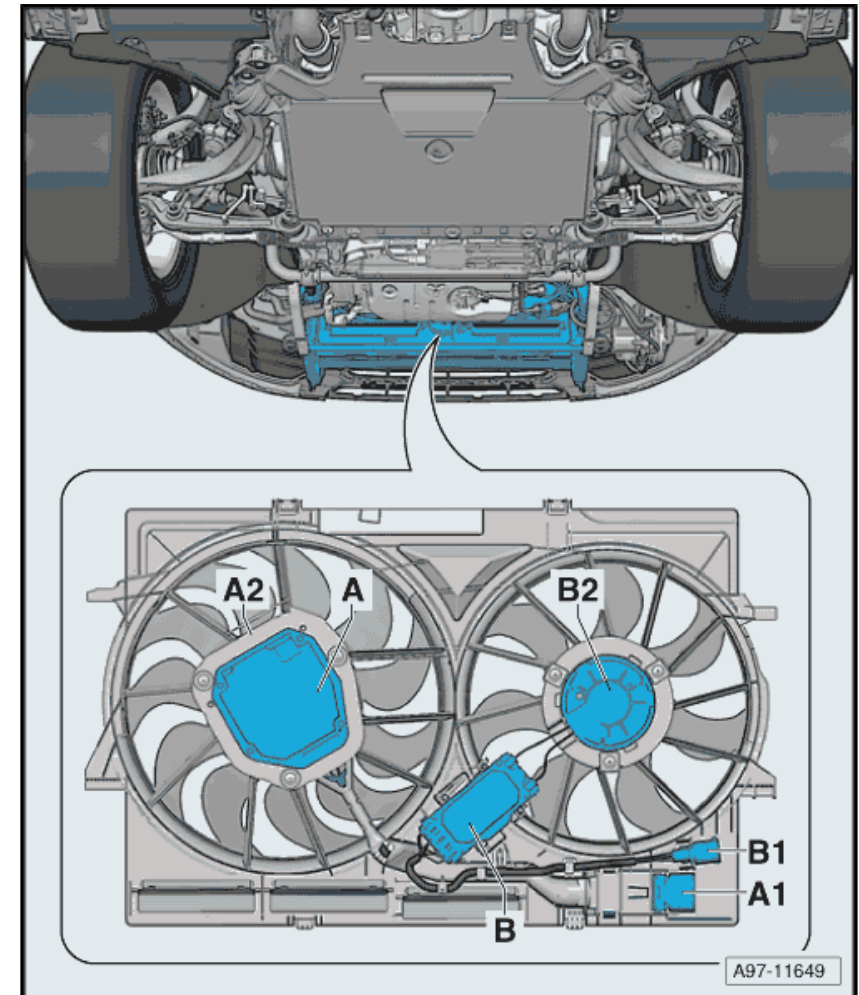
A1 - 4-Pin Connector -T4bm-

A2 - Coolant Fan -V7-

B - Coolant Fan Control (FC) Control Module 2 -J671-

B1 - 4-Pin Connector -T4bl-

B2 - Coolant Fan 2 -V177-



## 1.15 Garage Door Opener Control Module -J530-

**Component Location:**

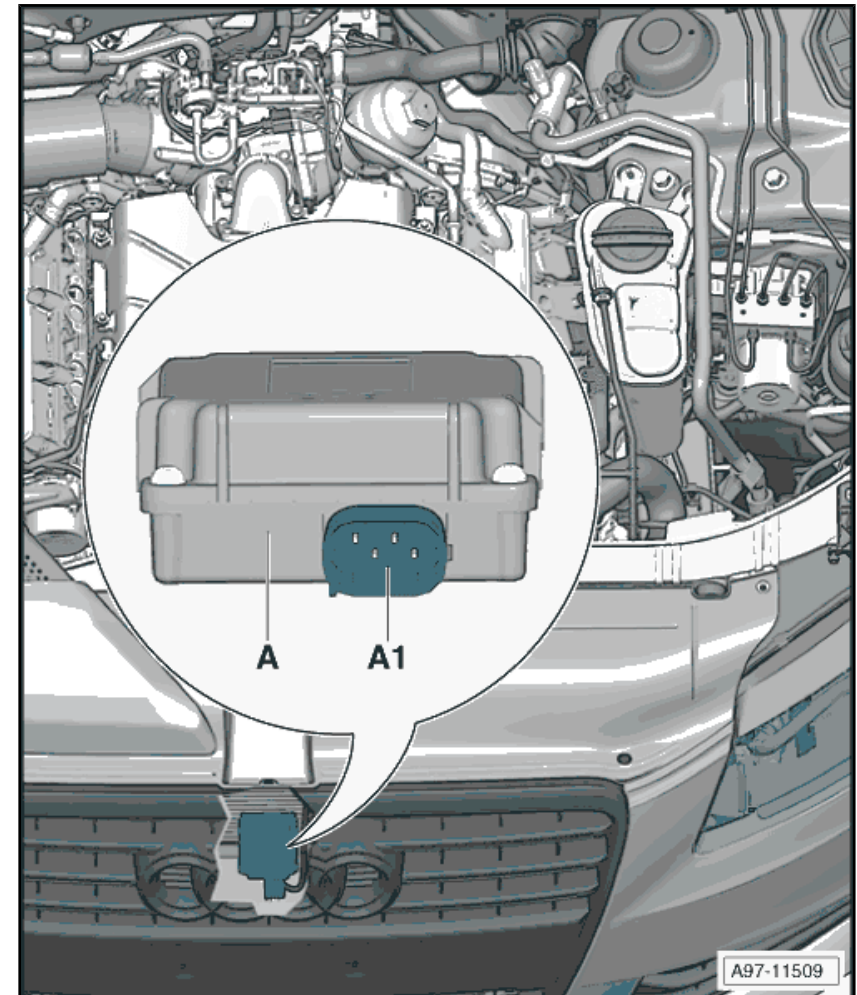
Center on inner front grill.

**A - Garage Door Opener Control Module -J530-**

**A1 - 4-Pin Connector -T4a-**

**Audi**

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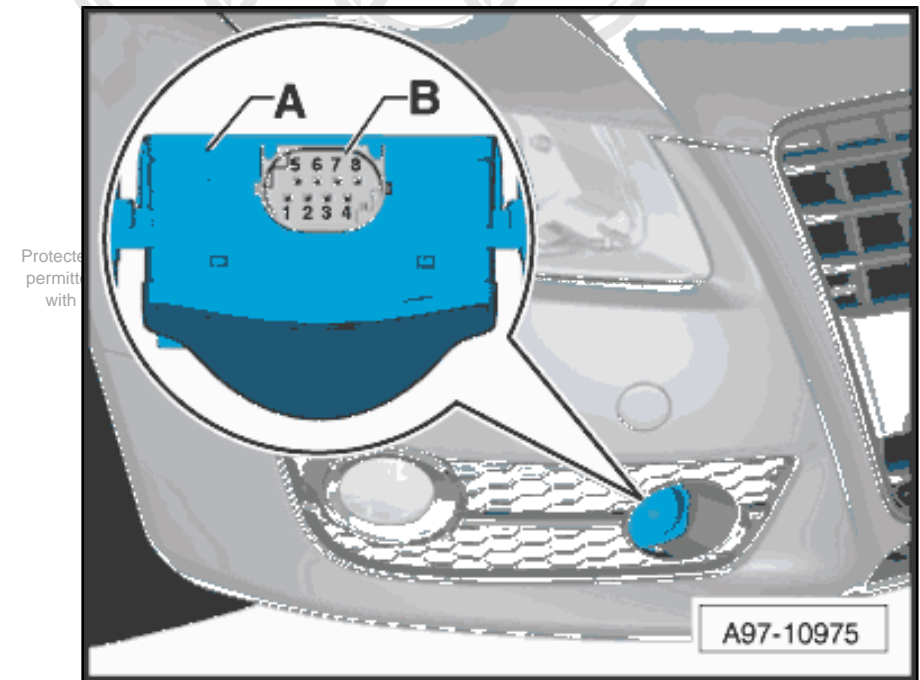
## 1.16 Distance Regulation Control Module -J428-

### Component Location:

In bumper, right front

A - Distance Regulation Control Module -J428-

B - 8-Pin Connector, black -T8a-



# 1 Comp. Loc. Control modules vehicle cabin, vehicle rear

## 1.1 Overview of control modules in interior of vehicle

### 1 - Headlamp Range Control Module -J431-

- ❑ Component Location and Pin Connectors: [⇒ page 7](#)

### 1 - Headlamp Range/Cornering Lamp Control Module -J745-

- ❑ Component Location and Pin Connectors: [⇒ page 7](#)

### 2 - Fresh Air Blower Control Module -J126-

- ❑ Component Location and Pin Connector: [⇒ page 8](#)

### 3 - CD Changer -R41- / DVD Changer -R161-

- ❑ Models with MMI
- ❑ Component Location and Pin Connectors: [⇒ page 18](#)
- ❑ Models without MMI [⇒ Item 21 \(page 4\)](#)

### 4 - Front Passenger's Door Control Module -J387-

- ❑ Component Location and connectors for models with left-hand drive: [⇒ page 10](#)

### 5 - Front Information Display Control Head -J685-

- ❑ Component Location and Pin Connectors: [⇒ page 19](#)

### 6 - Automatic Day/Night Interior Mirror -Y7- with rain/light recognition sensor -G397-

- ❑ Component Location: [⇒ page 13](#)

### 7 - Power Sunroof Control Module -J245- with Sunroof Motor -V1-

- ❑ Component Location and Pin Connector: [⇒ page 14](#)

### 8 - Passenger Memory Seat Control Module -J521-

- ❑ Component Location: Below front passenger's seat

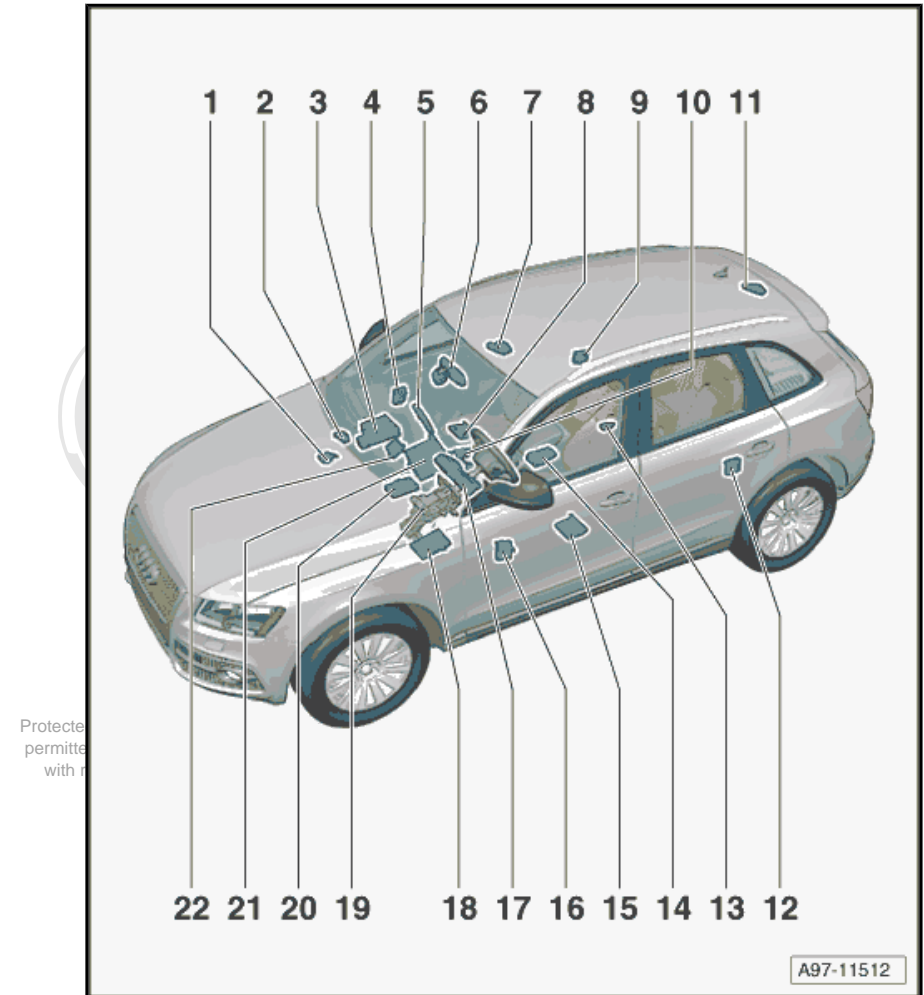
### 8 - Telephone Transceiver -R36-

- ❑ Component Location and Pin Connectors: [⇒ page 25](#)

### 9 - Right Rear Door Control Module -J389-

- ❑ Component Location and Pin Connectors: [⇒ page 12](#)

### 10 - Multimedia Control Head -E380-





- ❑ Component Location and Pin Connector: [⇒ page 22](#)



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**11 - Roof Blind Control Module -J394- with Sunroof Blind Motor -V260-**

Component Location: In rear roof area

**12 - Left Rear Door Control Module -J388-**

❑ Component Location and Pin Connectors: [⇒ page 11](#)

**13 - Fuel Pump (FP) Control Module -J538-**

Component Location: Below rear seat

**14 - Airbag Control Module -J234-**

❑ Component Location and Pin Connector: [⇒ page 24](#)

**15 - Memory Seat/Steering Column Adjustment Control Module -J136-**

❑ Component Location: Below driver's seat

**15 - Active Steering Control Module -J792-**

❑ Component Location and Connectors [⇒ page 16](#)

**16 - Driver's Door Control Module -J386-**

❑ Component Location and connectors for models with left-hand drive: [⇒ page 9](#)

**17 - Instrument Cluster Control Module -J285-**

❑ Component Location and Pin Connector: [⇒ page 28](#)

**18 - 16-Pin Connector -T16- , Data Link Connector**

❑ Component Location: [⇒ page 26](#)

**18 - Vehicle Electrical System Control Module -J519-**

❑ Component Location and connectors for models with left-hand drive: [⇒ page 15](#)

**19 - Steering Column Electronic Systems Control Module -J527-**

❑ Component Location: On steering column

**19 - Electronic Steering Column Lock Control Module -J764-**

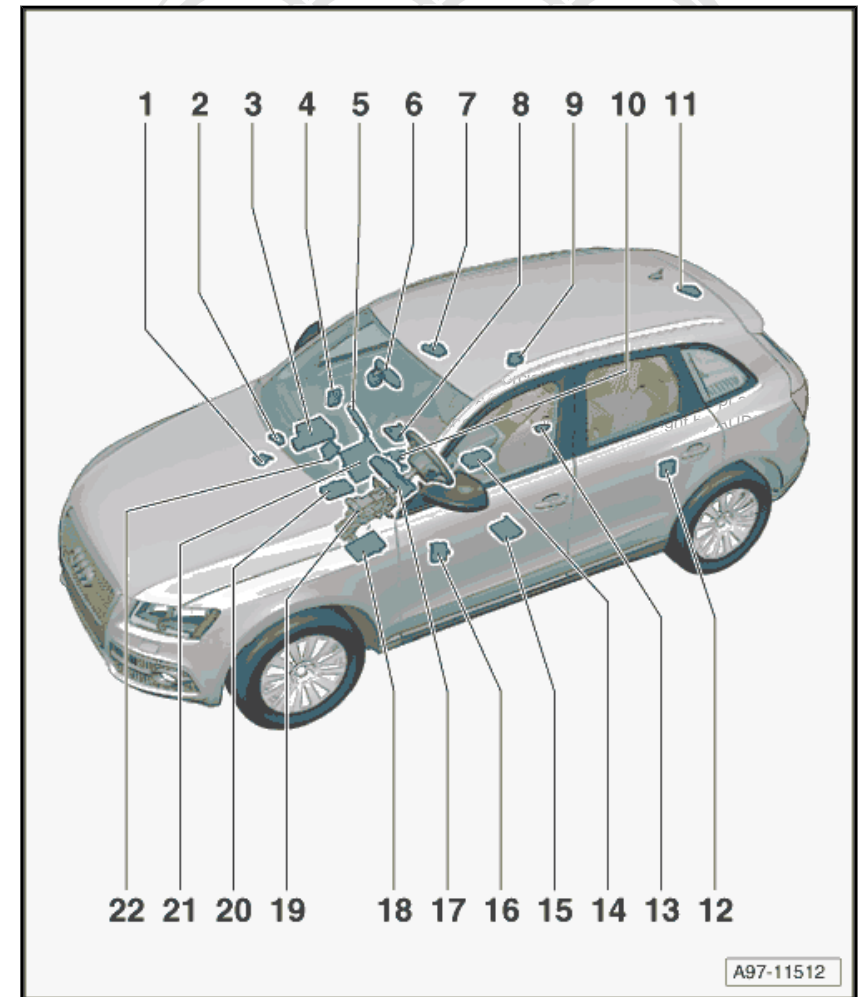
❑ Component Location: On steering column

**19 - Multi-function Steering Wheel Control Module -J453-**

❑ Component Location: On steering column

**20 - Climatronic Control Module -J255-**

❑ Component Location and Pin Connectors: [⇒ page 23](#)



**21 - Control Module for Information Electronics 1 -J794-**

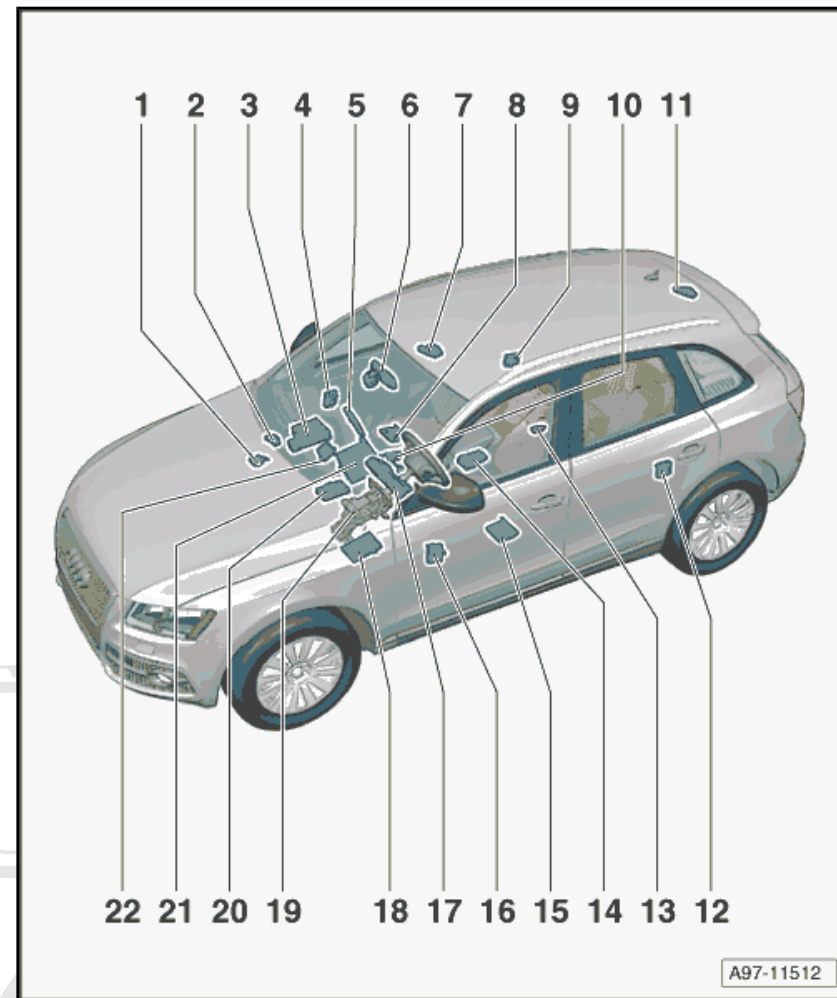
- ☐ Models with MMI
- ☐ Component Location and Pin Connectors: [⇒ page 21](#)

**21 - Radio -R- (with integrated CD Changer -R41- / DVD Changer -R161- )**

- ☐ Models without MMI
- ☐ Component Location and Pin Connectors: [⇒ page 17](#)
- ☐ Models with MMI [⇒ Item 3 \(page 1\)](#)

**22 - Data Bus On Board Diagnostic Interface -J533-**

- ☐ Component Location and Pin Connectors: [⇒ page 27](#)



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## 1.2 Control modules in rear part of vehicle, overview

### 1 - Voltage Stabilizer -J532-

- ❑ Component Location: ⇒ [page 35](#)

### 2 - Parallel Parking Assistance Control Module -J791-

- ❑ Component Location: In right luggage compartment, behind side panel trim
- ❑ Connectors ⇒ [page 32](#)

### 3 - Towing Recognition Control Module -J345-

- ❑ Component Location: In right luggage compartment, behind side panel trim
- ❑ Connectors ⇒ [page 31](#)

### 3 - Electronic Damping Control Module -J250-

- ❑ Component Location: In right luggage compartment, behind side panel trim
- ❑ Connector ⇒ [page 30](#)

### 3 - Amplifier for Telephone -R86-

- ❑ Component Location: In right luggage compartment, behind side panel trim

### 3 - Auxiliary Heater RF Receiver -R64-

- ❑ Component Location: In right luggage compartment, behind side panel trim

### 4 - Comfort System Central Control Module -J393-

- ❑ Component Location: In right luggage compartment, behind side panel trim
- ❑ Connectors ⇒ [page 29](#)

### 5 - Electro-Mechanical Parking Brake Control Module -J540-

- ❑ Component Location: In right luggage compartment, behind side panel trim

### 6 - Lane Change Assistance Control Module 2 -J770-

- ❑ Component Location: Inside rear bumper

### 7 - All-Wheel Drive Control Module -J492-

- ❑ Component Location: ⇒ [page 33](#)

### 8 - Engine Sound Generator Control Module -J943-

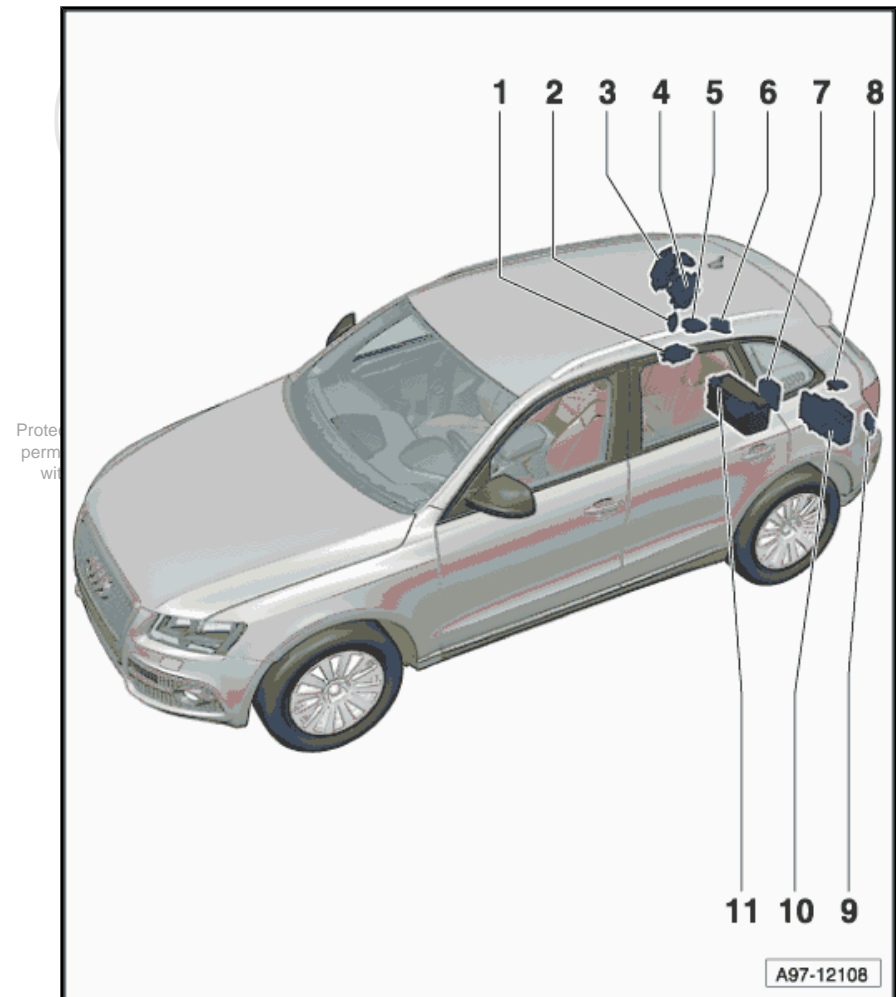
- ❑ Component Location: ⇒ [page 34](#)

### 9 - Lane Change Assistance Control Module -J769-

- ❑ Component Location: Inside rear bumper

### 10 - Digital Sound System Control Module -J525-

- ❑ Component Location: In left luggage compartment, behind side panel trim





**10 - Radio -R- (K-Box)**

- ❑ Component Location: In left luggage compartment, behind side panel trim

**10 - Satellite Radio -R146-**

- ❑ Component Location: In left luggage compartment, behind side panel trim

**10 - Digital Radio -R147-**

- ❑ Component Location: In left luggage compartment, behind side panel trim

**10 - Navigation System Control Module with CD Drive -J401-**

- ❑ Component Location: In left luggage compartment, behind side panel trim

**10 - TV Tuner -R78-**

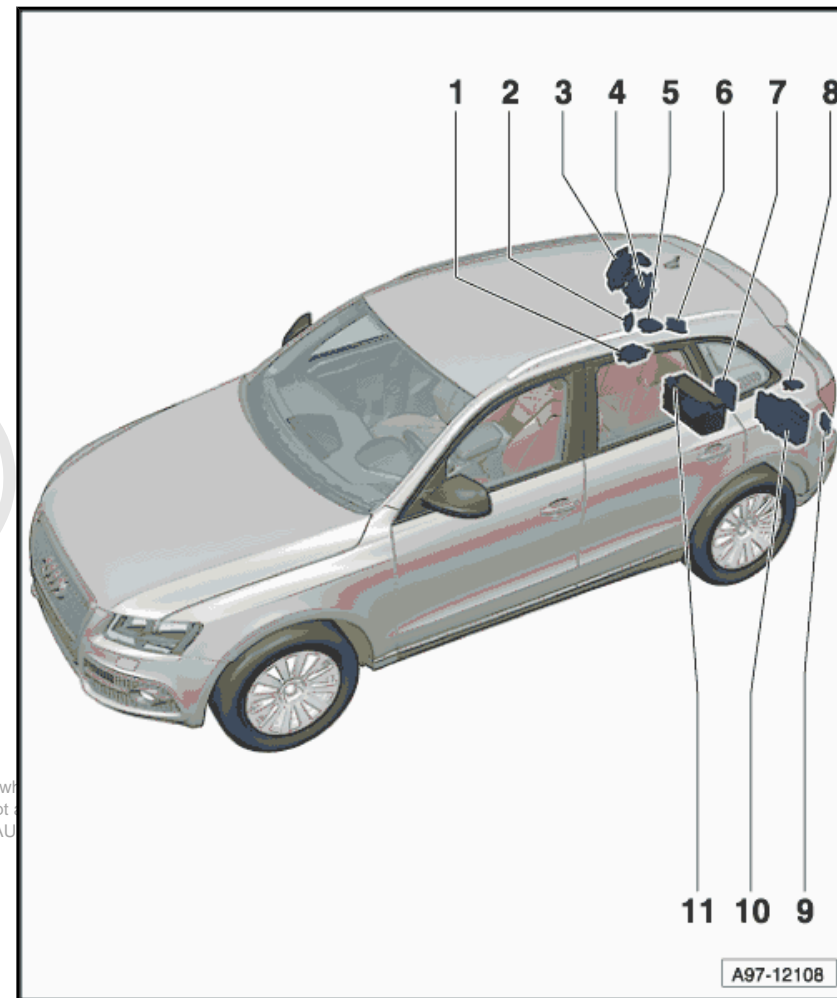
- ❑ Component Location: In left luggage compartment, behind side panel trim

**10 - Rear View Camera System Control Module -J772-**

- ❑ Component Location: In left luggage compartment, behind side panel trim

**11 - Battery Monitoring Control Module -J367-**

- ❑ Component Location and Pin Connector: [⇒ page 36](#)



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### 1.3 Headlamp Range Control Module -J431- / Headlamp Range/Cornering Lamp Control Module -J745-

**Component Location:**

In front passenger's footwell, behind glove compartment

**A - Headlamp Range Control Module -J431- / Headlamp Range/Cornering Lamp Control Module -J745-**

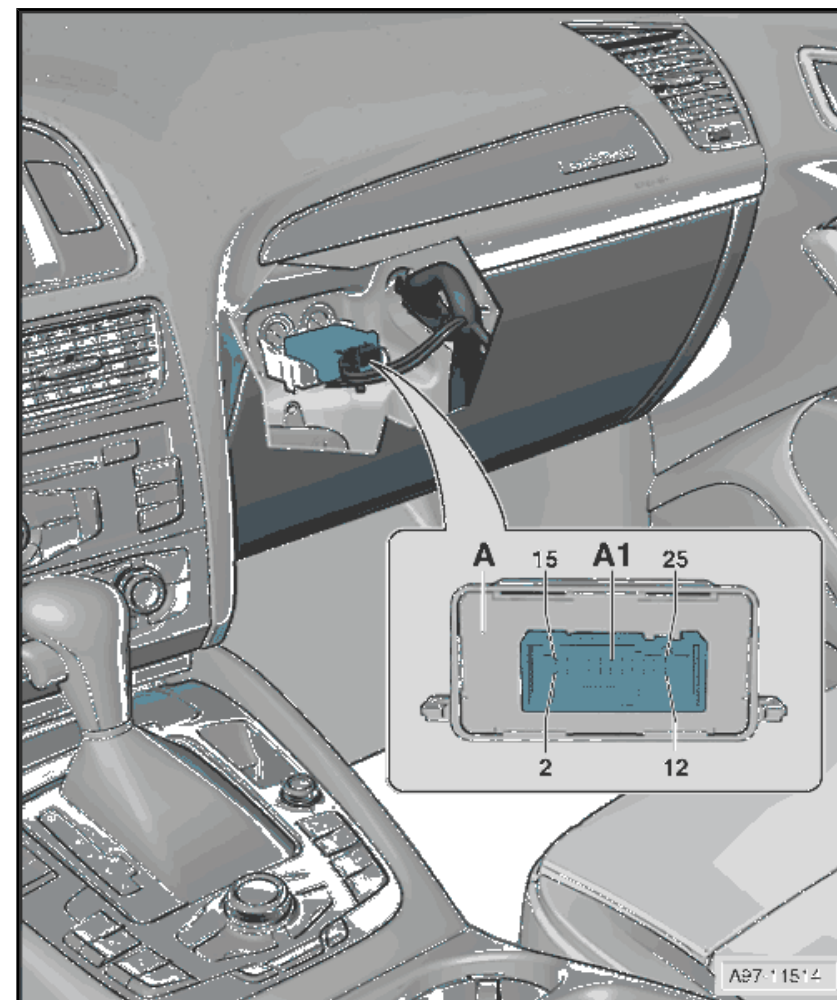
**Connector on Headlamp Range Control Module -J431- :**

**A1 - 26-Pin Connector -T26a-**

**Connector on Headlamp Range/Cornering Lamp Control Module -J745- :**

**A1 - 26-Pin Connector -T26b-**

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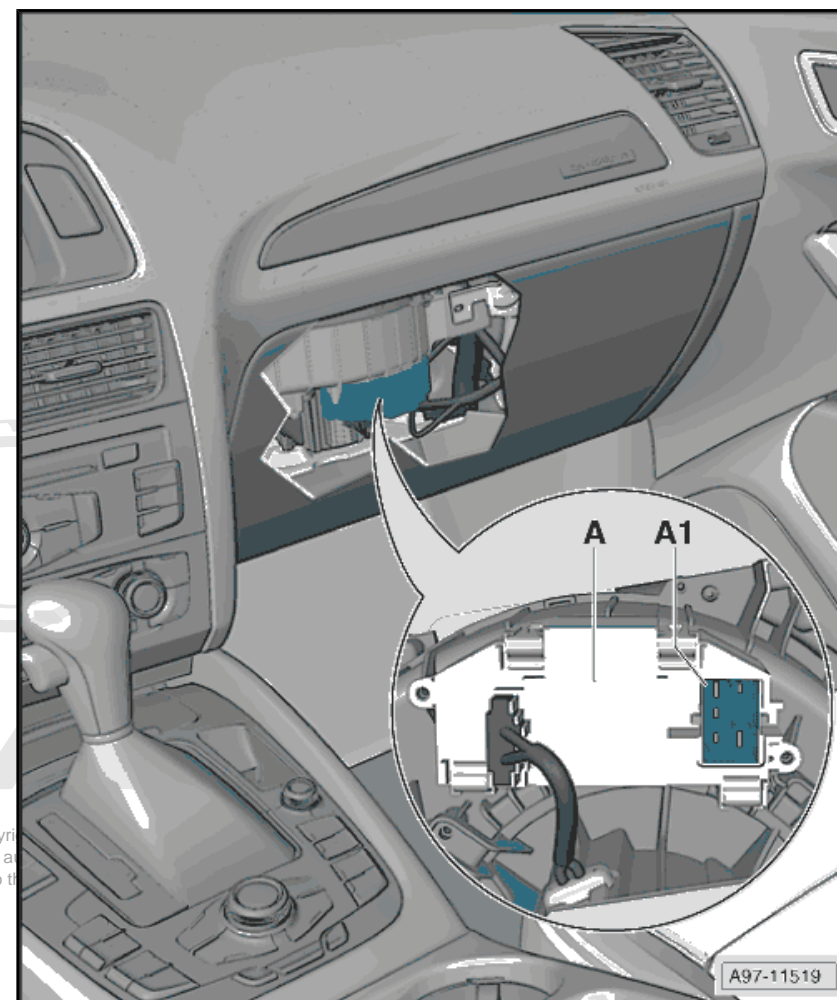
## 1.4 Fresh Air Blower Control Module -J126-

### Component Location:

In front passenger's footwell, behind glove compartment

A - Fresh Air Blower Control Module -J126-

A1 - 6-Pin Connector, brown -T6y-



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with respect to

## 1.5 Driver's Door Control Module -J386-

Component Location Driver's Door Control Module -J386- for models with left-hand drive:

In driver's door.

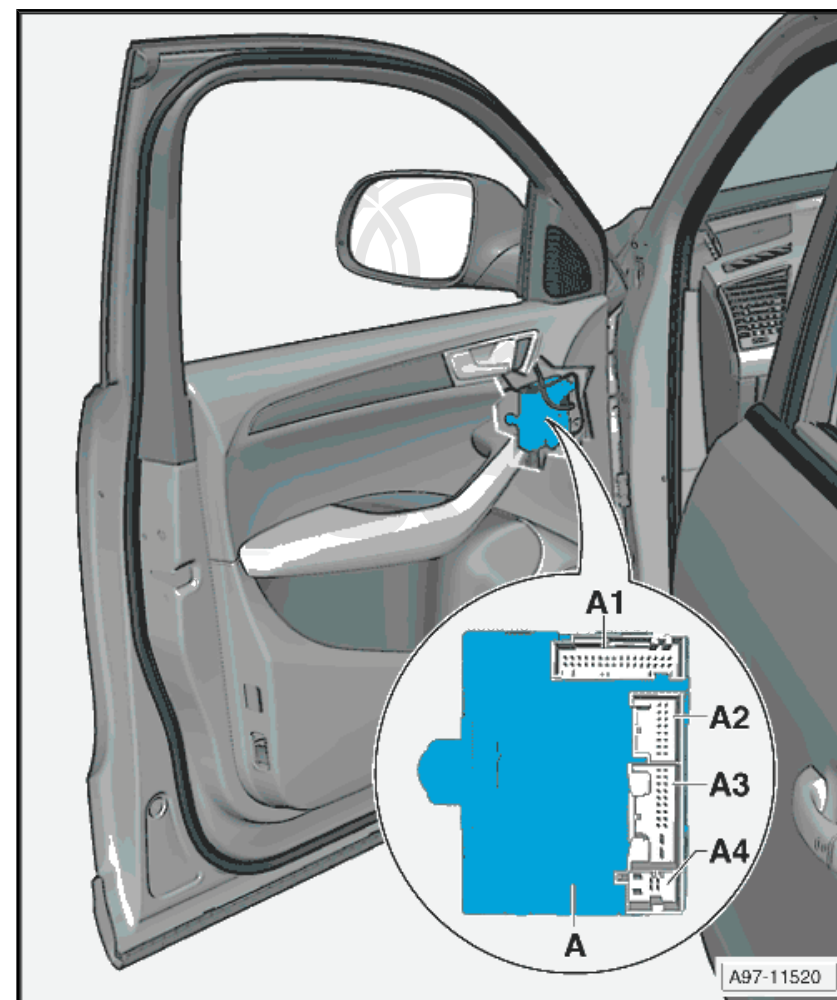
A - Driver's Door Control Module -J386-

A1 - 32-Pin Connector -T32j-

A2 - 16-Pin Connector -T16m-

A3 - 20-Pin Connector -T20f-

A4 - 6-Pin Connector -T6am-



## 1.6 Front Passenger's Door Control Module -J387-

Component Location Front Passenger's Door Control Module -J387- for models with left-hand drive:

A - Front Passenger's Door Control Module -J387-

A1 - 32-Pin Connector -T32l-

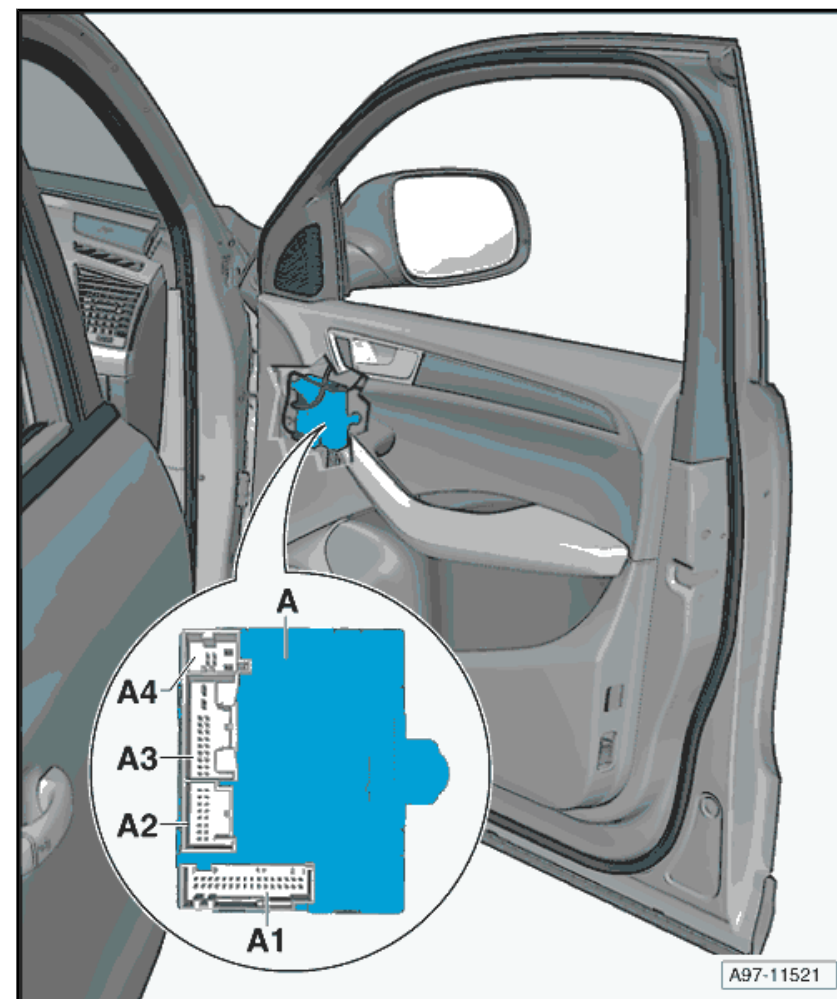
A2 - 16-Pin Connector -T16n-

A3 - 20-Pin Connector -T20g-

A4 - 6-Pin Connector -T6ao-



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## 1.7 Left Rear Door Control Module -J388-

### Component Location:

In left rear door.

A - Left Rear Door Control Module -J388-

A1 - 16-Pin Connector -T16o-

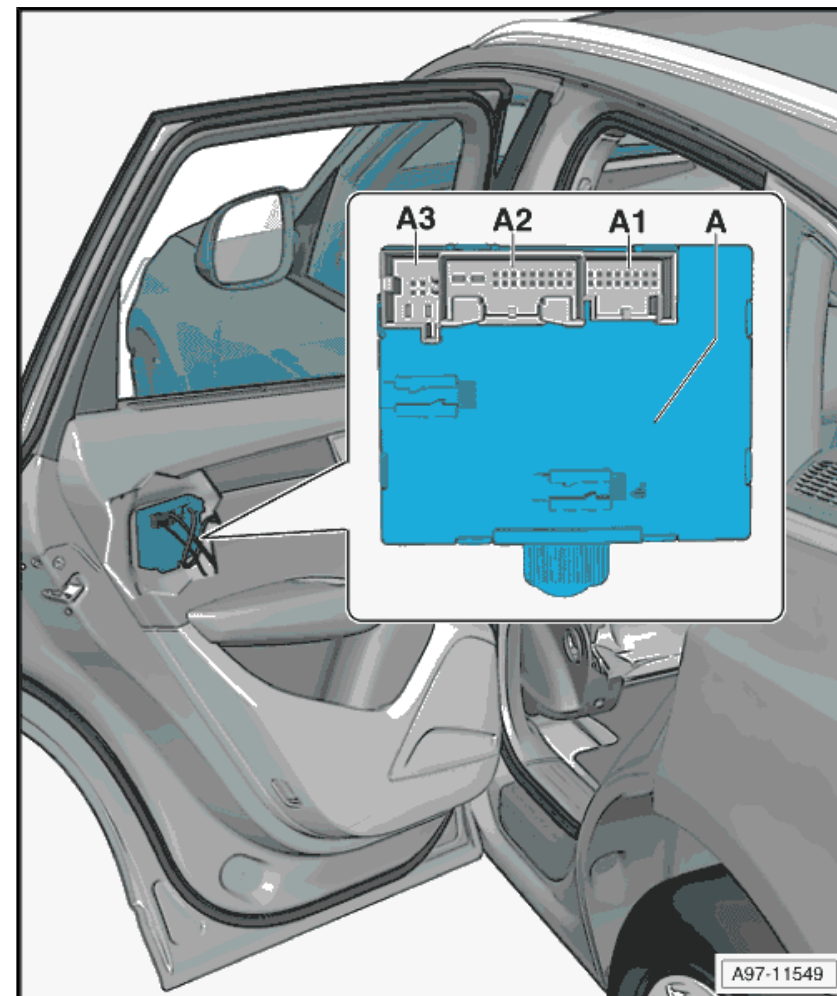
A2 - 20-Pin Connector -T20h-

A3 - 6-Pin Connector -T6au-



**Audi**

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## 1.8 Right Rear Door Control Module -J389-

### Component Location:

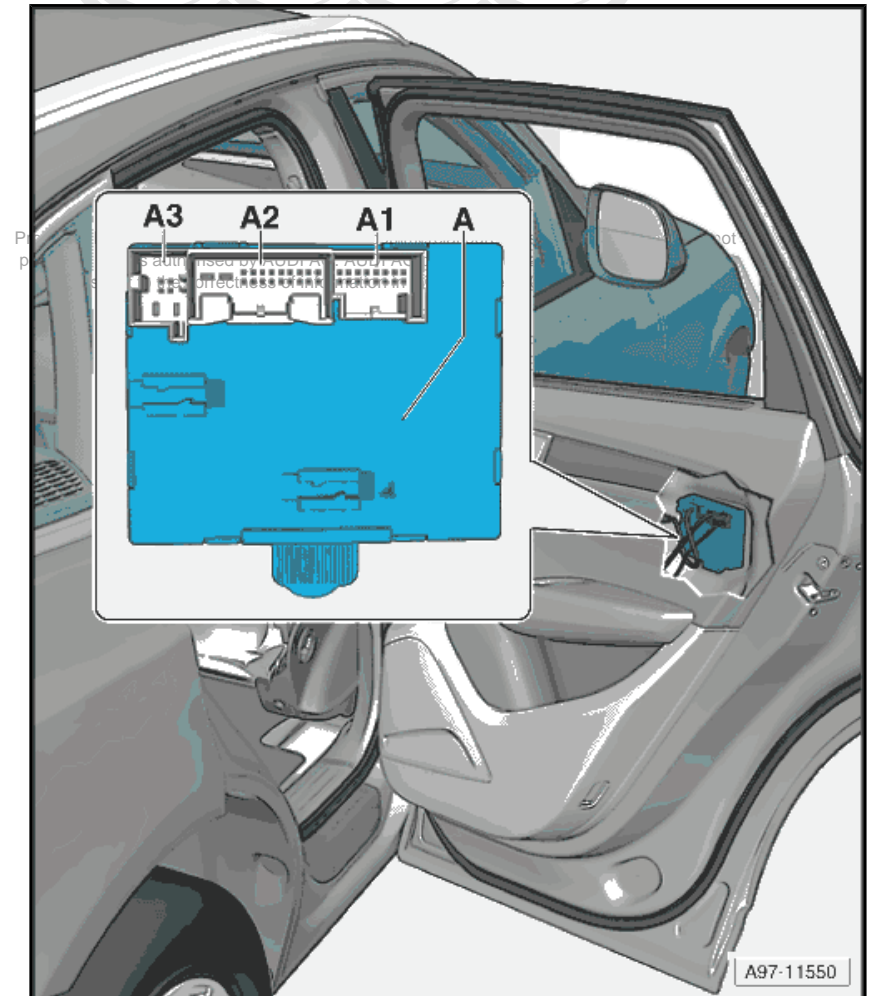
In right rear door.

A - Right Rear Door Control Module -J389-

A1 - 16-Pin Connector -T16p-

A2 - 20-Pin Connector -T20i-

A3 - 6-Pin Connector -T6av-



## 1.9 Automatic Day/Night Interior Mirror -Y7- with rain/light recognition sensor -G397-

Component Location:

On front roof pillar.

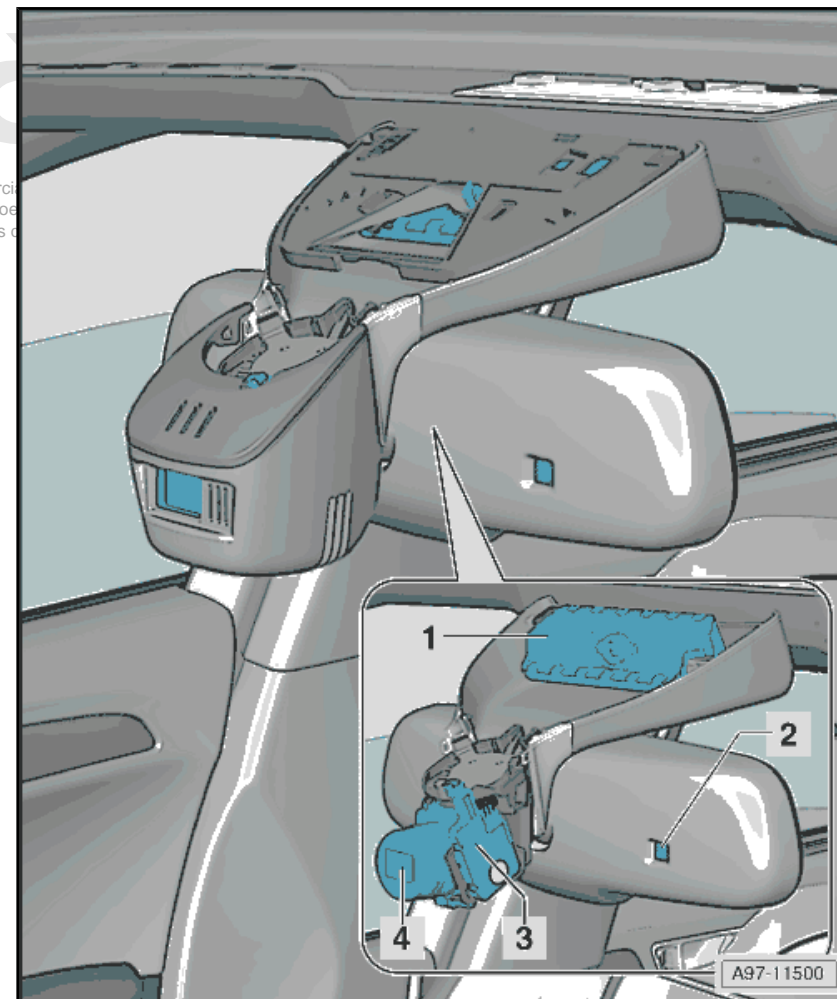
1 - Directional Stabilization Assistance Control Module -J759-

2 - Automatic Day/Night Interior Mirror -Y7- with  
Rain/Light Recognition Sensor -G397-

3 - Humidity Sensor -G355-

4 - Automatic High Beam Assist Control Module -J844-

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## 1.10 Power Sunroof Control Module -J245- with Sunroof Motor -V1-

### Component Location:

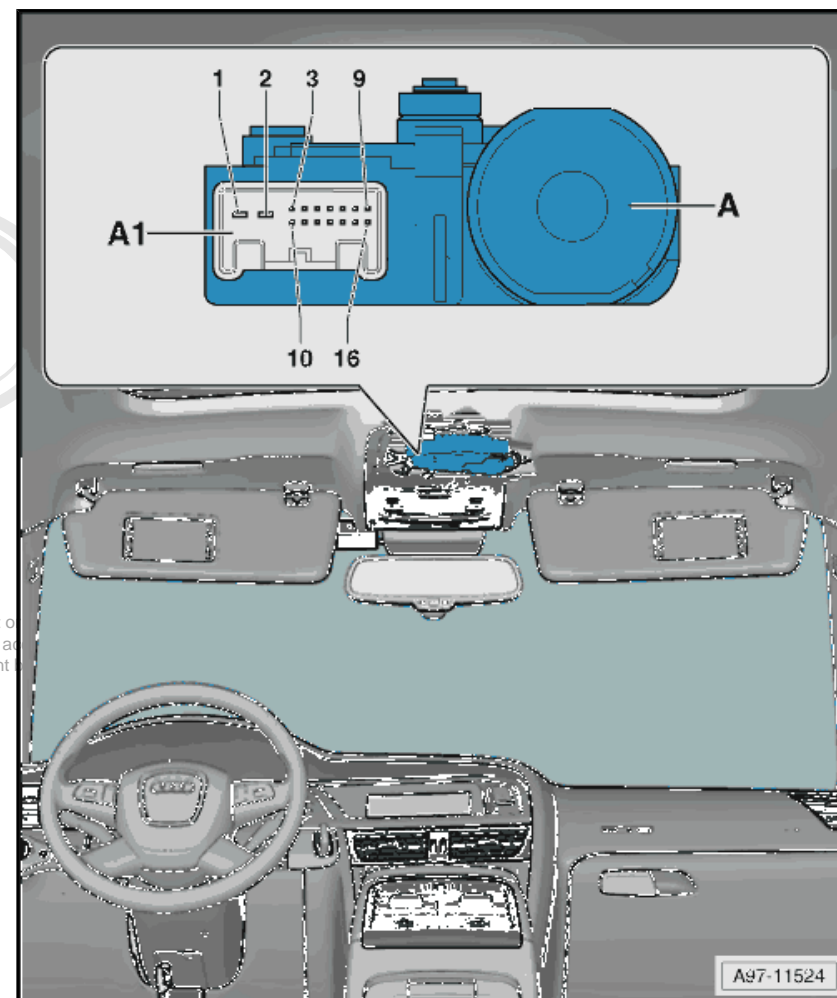
In roof module, on upper front roof frame

**A** - Power Sunroof Control Module -J245- with Sunroof Motor -V1-

**A1** - 16-Pin Connector -T16a-



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## 1.11 Vehicle Electrical System Control Module -J519-

Component Location Vehicle Electrical System Control Module -J519- for models with left-hand drive:

Instrument panel driver's side, bottom.

A - Vehicle Electrical System Control Module -J519-

A1 - 17-Pin Connector, black (Connector D) -T17l-

A2 - 17-Pin Connector, brown (Connector E) -T17m-

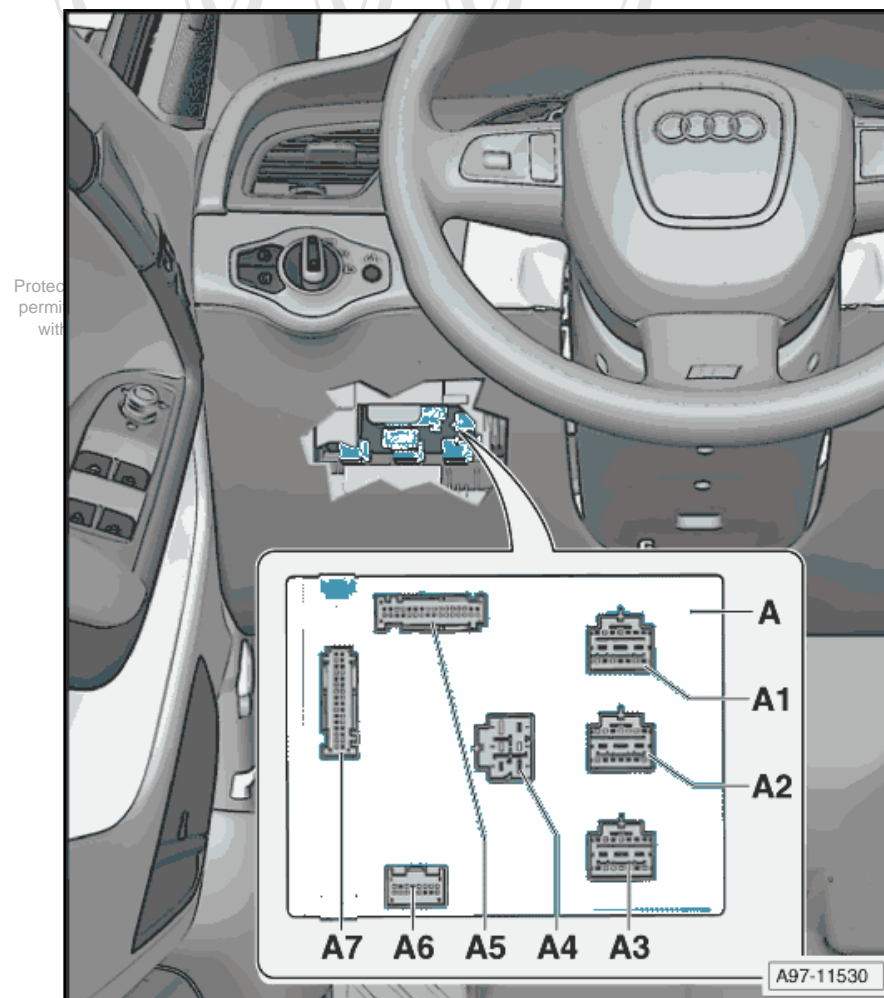
A3 - 17-Pin Connector, red (Connector F) -T17n-

A4 - 6-Pin Connector, green (Connector G) -T6f-

A5 - 32-Pin Connector, grey (Connector A) -T32a-

A6 - 16-Pin Connector, brown (Connector C) -T16b-

A7 - 32-Pin Connector, black (Connector B) -T32b-



## 1.12 Active Steering Control Module -J792-

### Component Location:

Under carpeted floor in driver's footwell

### 4 - Active Steering Control Module -J792-

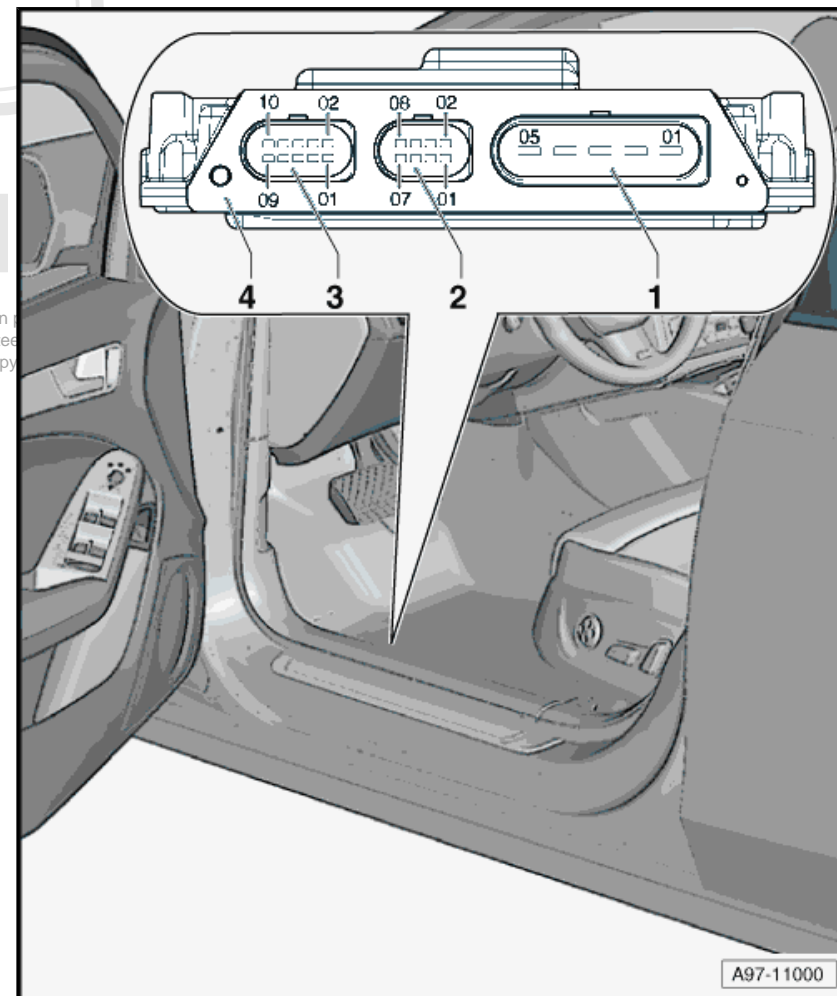
#### Pin Connectors:

1 - 5-Pin Connector, black -T5d-

2 - 8-Pin Connector, black -T8g-

3 - 10-Pin Connector, black -T10h-

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## 1.13 Radio -R- (with integrated CD Changer -R41- / DVD Changer -R161- )

### Component Location:

In middle part instrument panel.

#### A - Radio -R-

##### A1 -

Connector block, composed of:

- ◆ 8-Pin Connector, brown -T8k-
- ◆ 8-Pin Connector, black -T16l-
- ◆ 12-Pin Connector, green -T12a-
- ◆ 12-Pin Connector, blue -T12s-

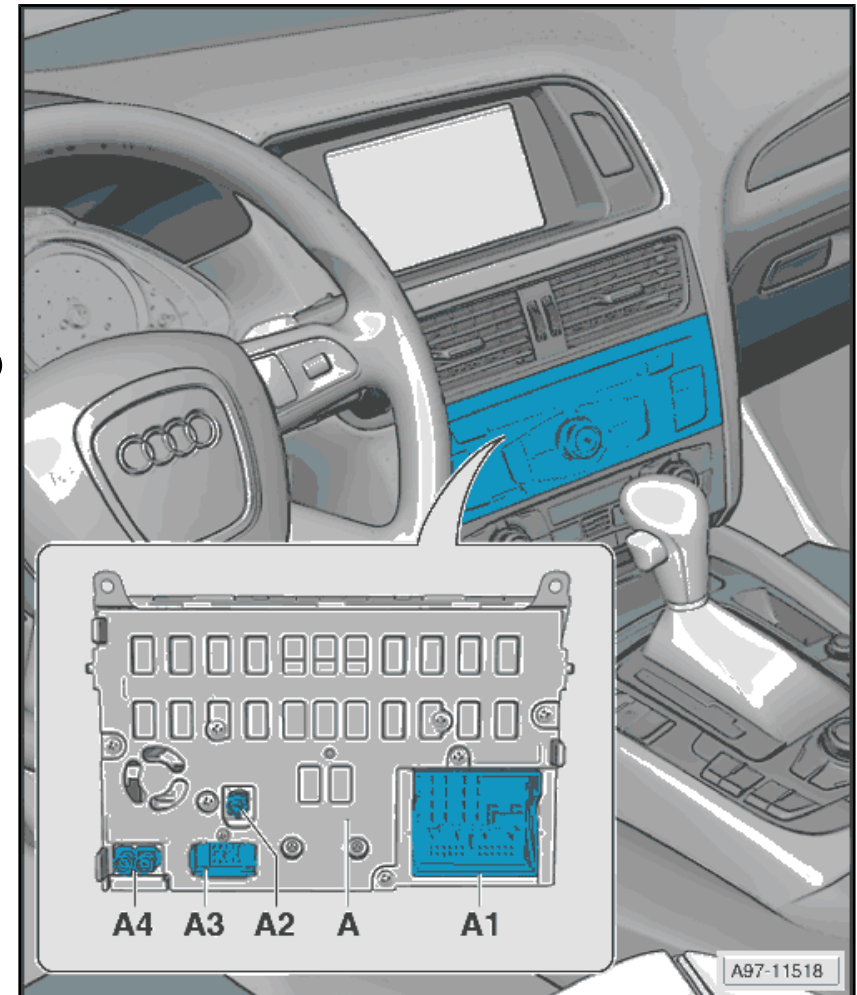
##### A2 -

Single Connector, black -T1i- (DAB Connector) / Single Connector, green -T1k- (SDARS Connector)

A3 - 10-Pin Connector, black -T10v- (Display Unit Connector)

A4 - Double Connector, white -T2df- (AM/FM1/FM2 Connector)

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## 1.14 CD Changer -R41- / DVD Changer -R161-

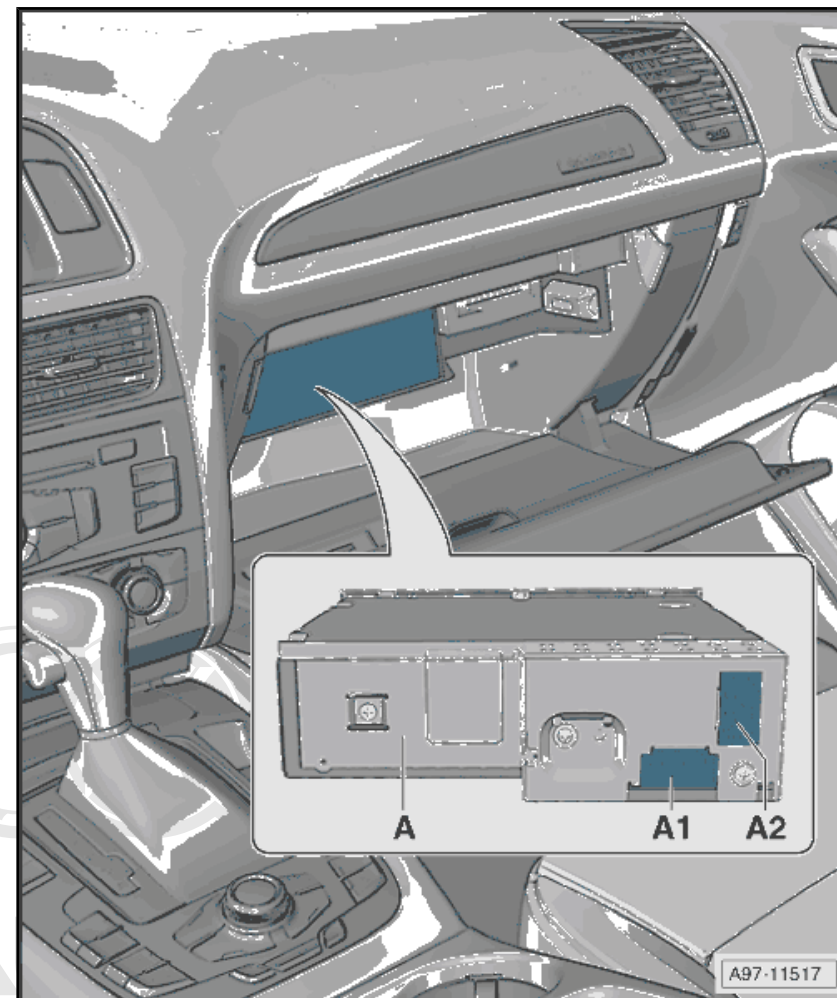
Component Location:

In glove compartment

A - CD Changer -R41- / DVD Changer -R161-

A1 - 8-Pin Connector -T8aa-

A2 - Double Connector -T2dm-



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## 1.15 Front Information Display Control Head -J685-

### Component Location:

In middle part instrument panel.



### Note

*Connector -A1- shows an example of different equipment versions!*

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**A - Front Information Display Control Head -J685-**

**A1 -**

**Connectors for models with MMI Basic through August 2009:**

- ◆ 10-Pin Connector, black -T10t-

**A1 -**

**Connectors for models with MMI High through August 2009:**

- ◆ 22-Pin Connector, black -T22b-

**A1 -**

**Connectors for models with MMI Basic from September 2009:**

- ◆ 8-Pin Connector, black -T8ai-
- ◆ 4-Pin Connector, white -T4ao-

**A1 - Connectors for models with MMI High from September 2009:**

- ◆ 8-Pin Connector, black -T8ai-
- ◆ 4-Pin Connector, black -T4an-

**A1 -**

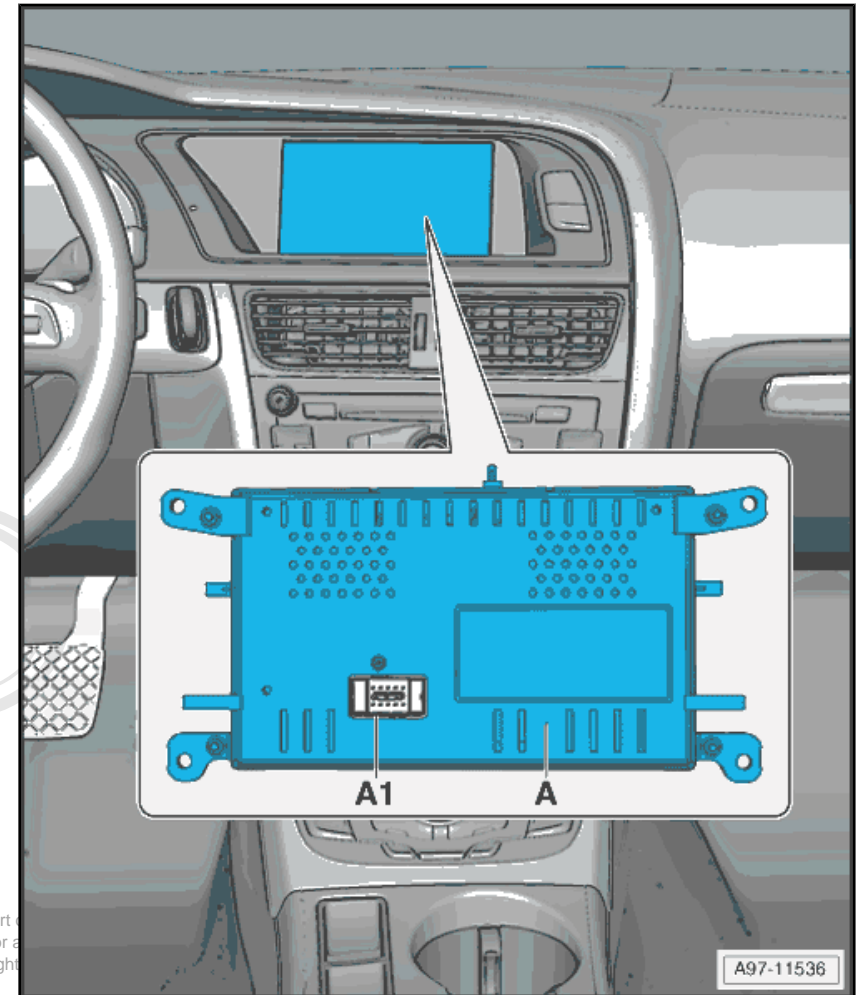
**Connectors for radio chorus (radio low):**

- ◆ 10-Pin Connector, red -T10u-

**A1 -**

**Connectors for radio concert / symphony (radio mid):**

- ◆ 10-Pin Connector, black -T10w-



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## 1.16 Control Module for Information Electronics 1 -J794-

### Component Location:

In middle part instrument panel.

### A - Control Module for Information Electronics 1 -J794-

A1 - Single Connector, purple -T1p-

A2 - Single Connector, blue -T1n-

A3 - Not used

A4 - 4-Pin Connector, dark yellow -T4ap-

A5 - Models with -J794- basic:  
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◆ 4-Pin Connector, purple -T4al-

A5 - Models with -J794- high:

◆ 4-Pin Connector, grey -T4am-

A6 - Single Connector, green -T1o-

A7 -

Connector block, composed of:

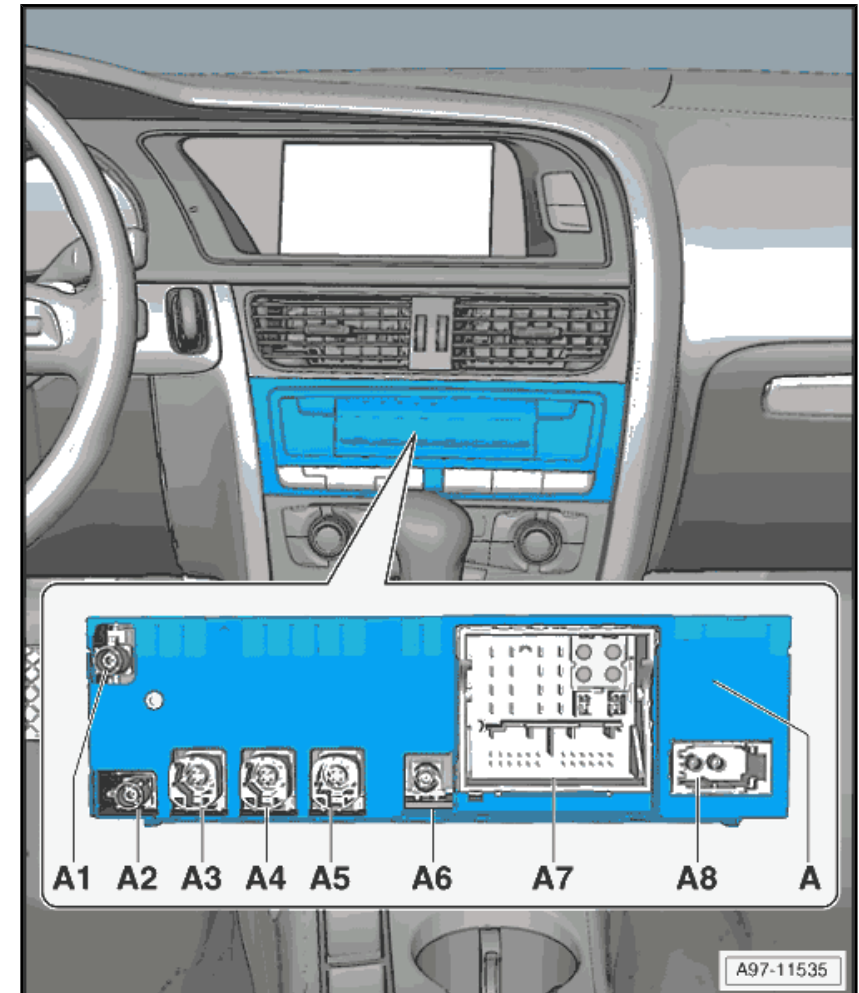
◆ 8-Pin Connector, brown -T8ah-

◆ 8-Pin Connector, black -T8ao-

◆ 12-Pin Connector, blue -T12x-

◆ 12-Pin Connector, green -T12y-

A8 - Double Connector -T2di-





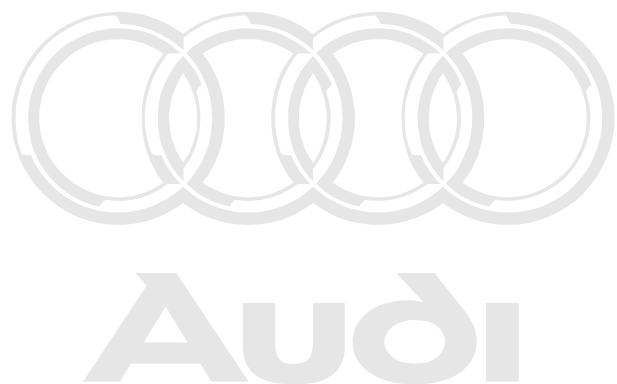
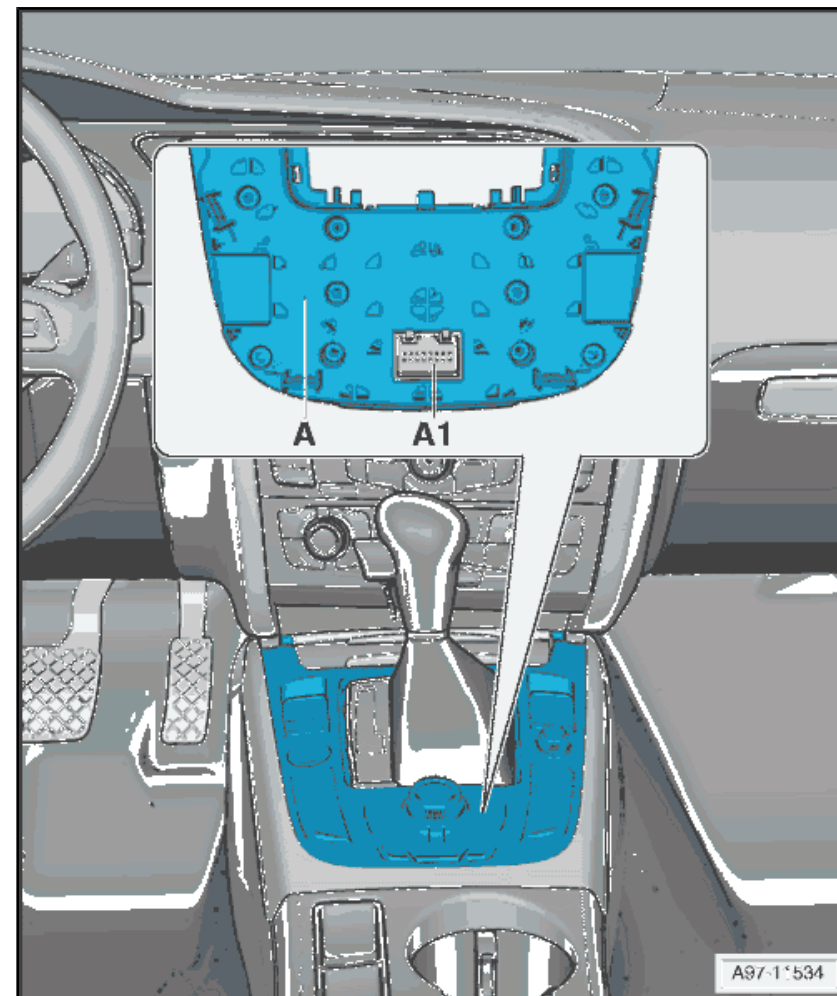
## 1.17 Multimedia Control Head -E380-

Component Location:

On the center console.

A - Multimedia Control Head -E380-

A1 - 16-Pin Connector -T16c-



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## 1.18 Climatronic Control Module -J255-

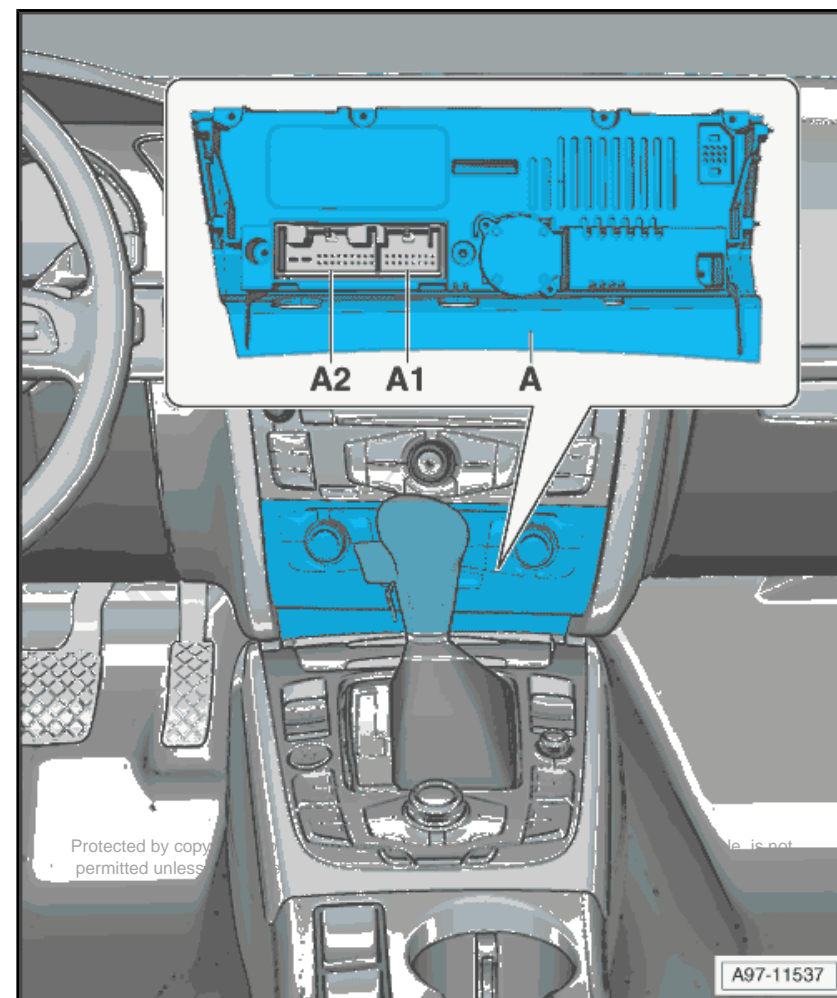
### Component Location:

In middle part instrument panel.

A - Climatronic Control Module -J255-

A1 - 16-Pin Connector -T16i-

A2 - 20-Pin Connector -T20e-



## 1.19 Airbag Control Module -J234-

Component Location:

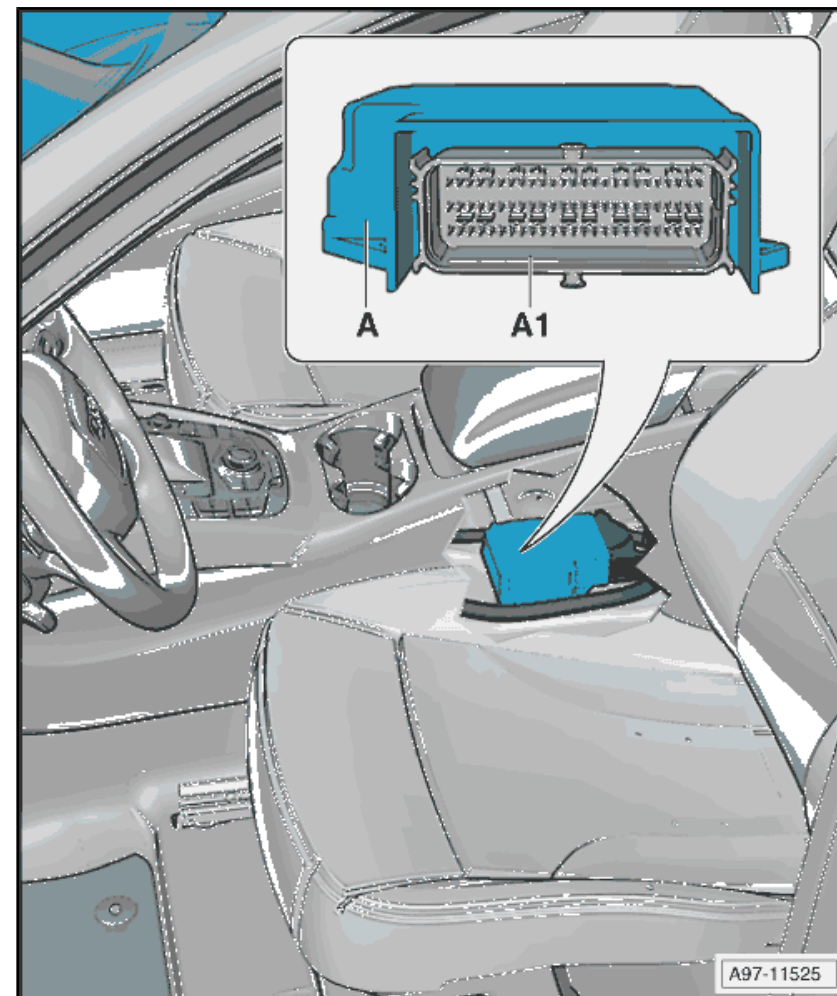
Below center console.

A - Airbag Control Module -J234-

A1 - 100-Pin Connector -T100-



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## 1.20 Telephone Transceiver -R36-

Component Location:

In front right footwell.

**A - Telephone Transceiver -R36-**

**A1 - Connector -B- (Bluetooth Antenna)**

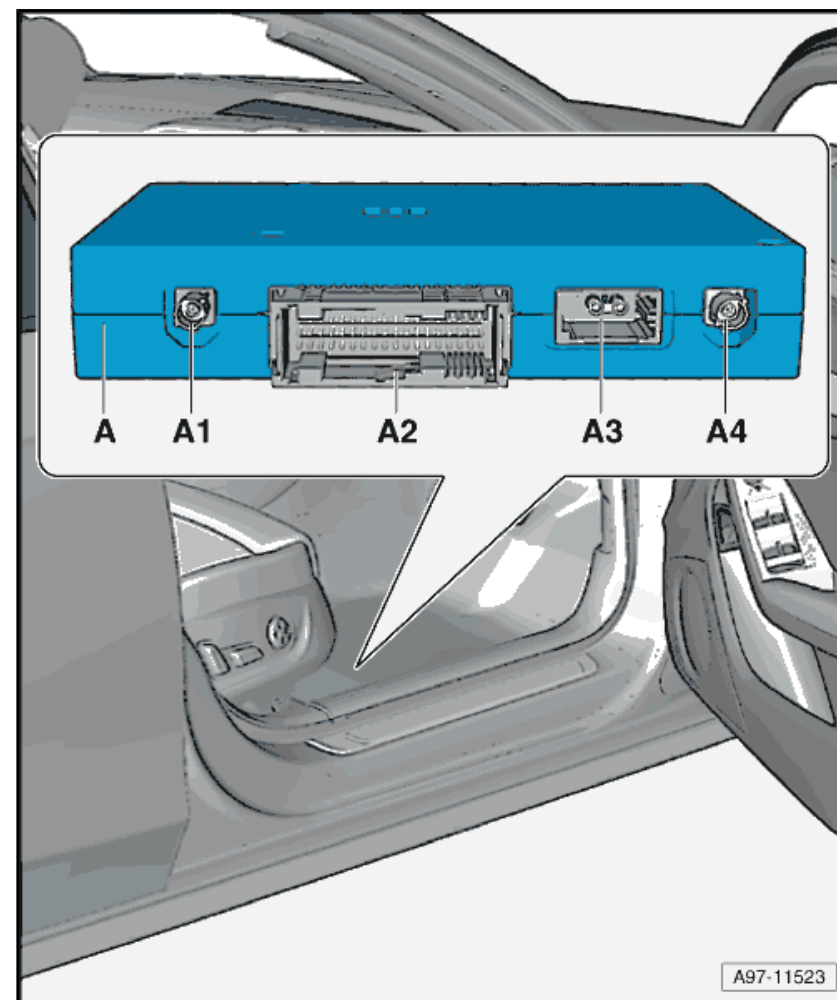
**A2 - 54-Pin Connector -T54a-**

**A3 - Connector -C- (Fibre Optic Conductor )**

**A4 - Connector -D- (Telephone Antenna)**



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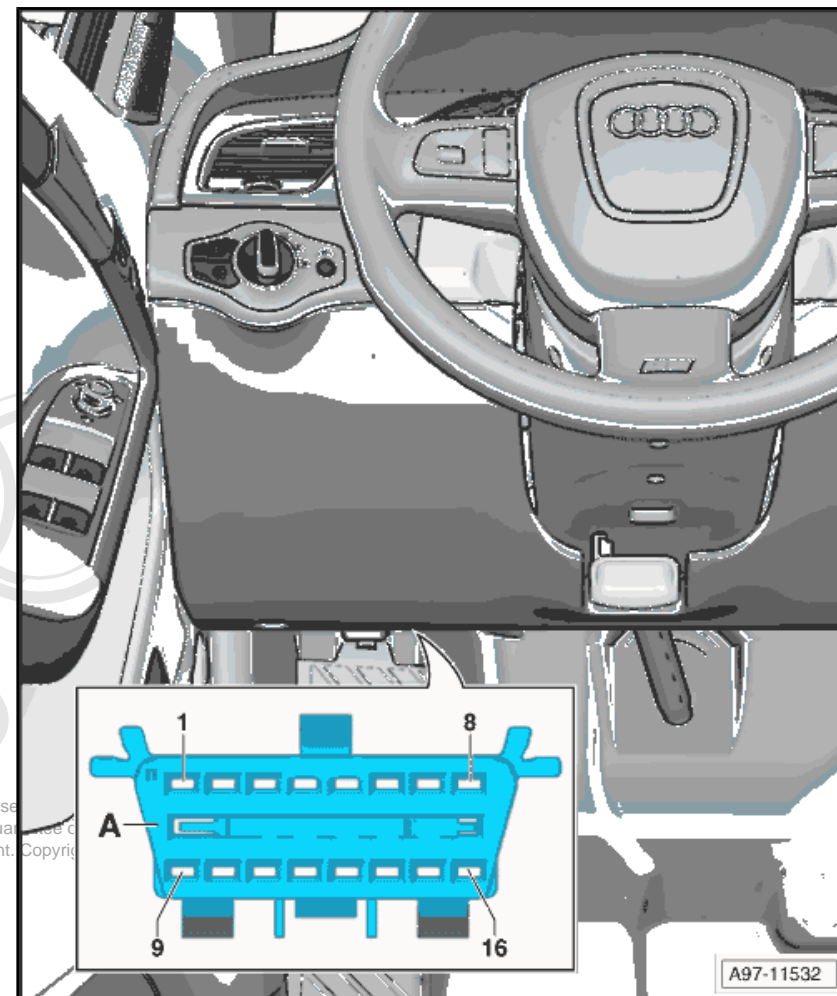
A97-11523

## 1.21 16-Pin Connector -T16- , Data Link Connector

### Component Location:

Instrument panel driver's side, bottom.

### A - 16-Pin Connector -T16- , Data Link Connector



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A97-11532

## 1.22 Data Bus On Board Diagnostic Interface -J533-

Component Location:

Below instrument panel.

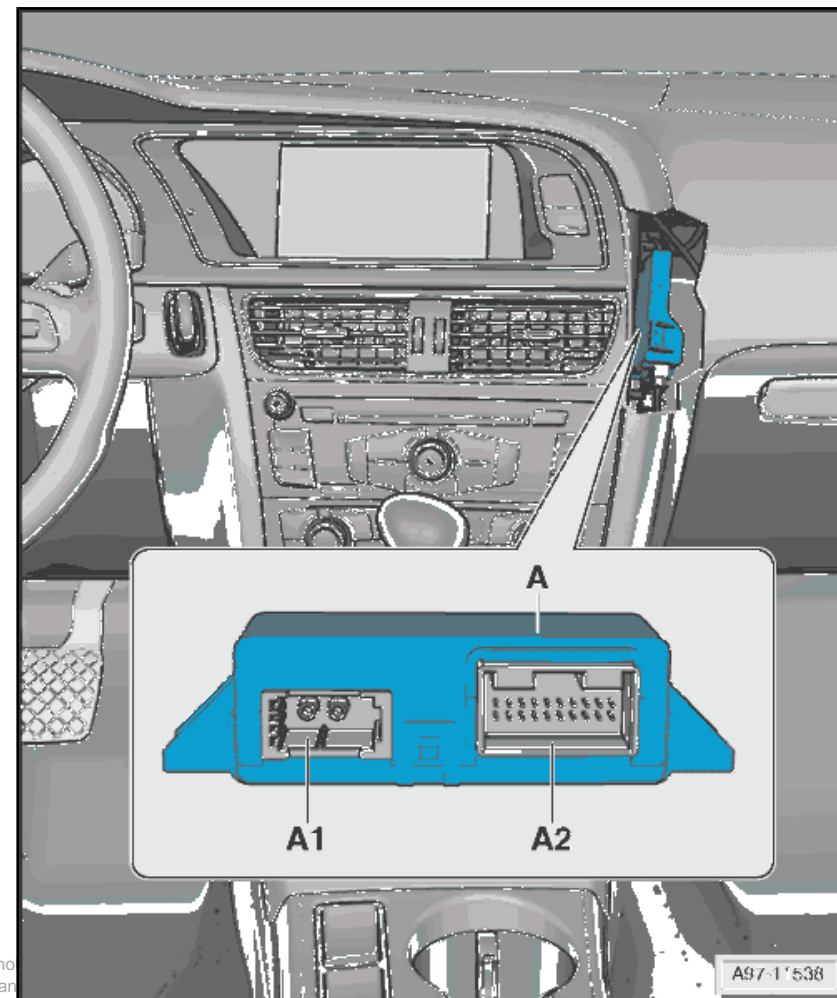
A - Data Bus On Board Diagnostic Interface -J533-

A1 - Double Connector -T2dl-

A2 - 20-Pin Connector -T20d-



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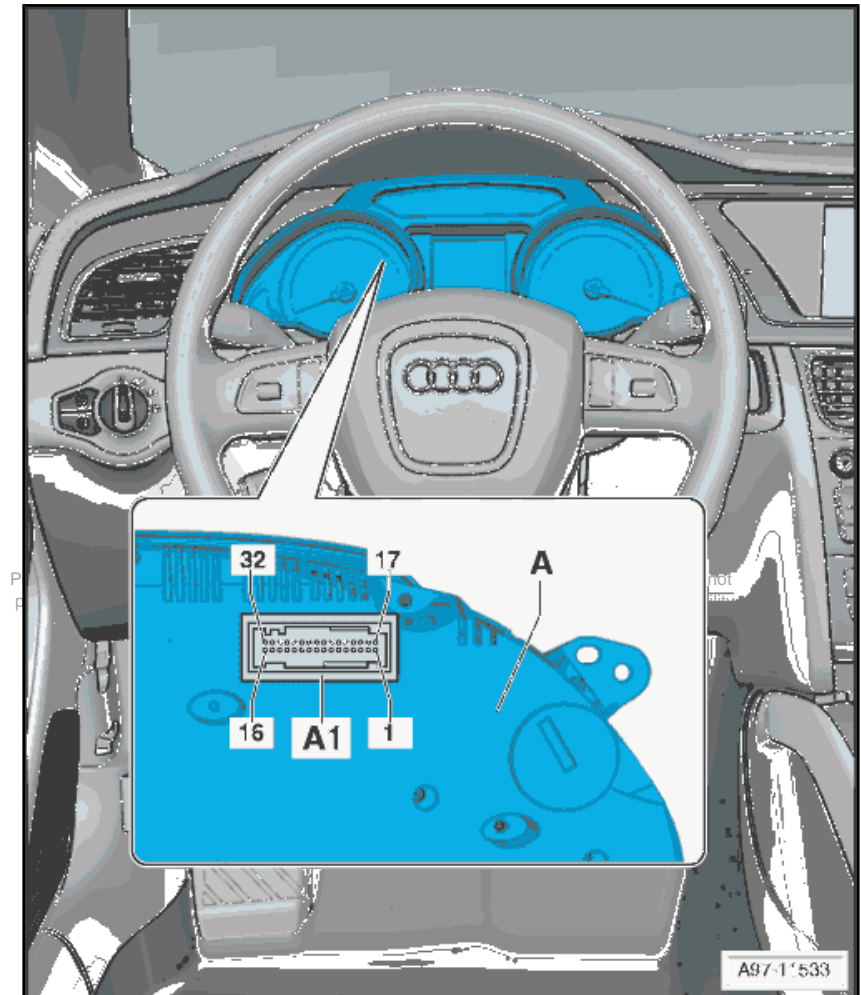
## 1.23 Instrument Cluster Control Module -J285-

Component Location:

In instrument panel.

A - Instrument Cluster Control Module -J285-

A1 - 32-Pin Connector, grey -T32f-

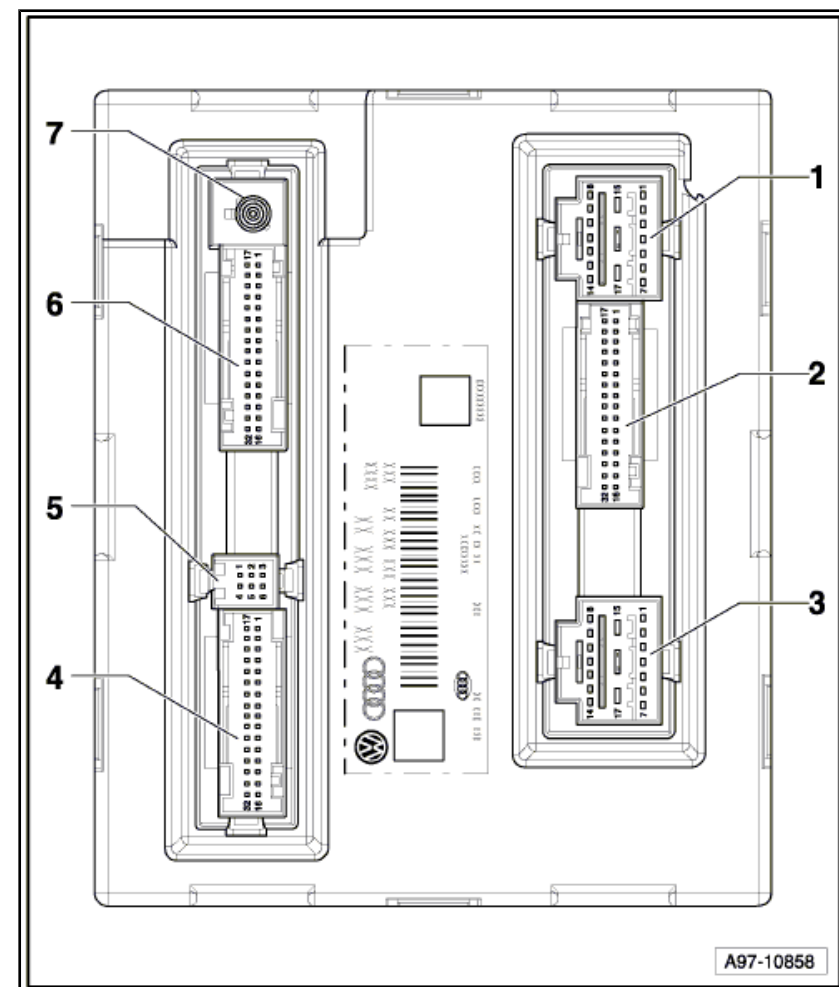




## 1.24 Connectors on Comfort System Central Control Module -J393-

- 1 - 17-Pin Connector, black (Connector A) -T17o-
- 2 - 32-Pin Connector, black (Connector B) -T32c-
- 3 - 17-Pin Connector, brown (Connector C) -T17p-
- 4 - 32-Pin Connector, blue (Connector F) -T32e-
- 5 - 6-Pin Connector (Connector G) -nicht belegt-
- 6 - 32-Pin Connector, grey (Connector E) -T32d-
- 7 - Single Connector, grey (Connector D) -T1h-

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### 1.25 Connector on Electronic Damping Control Module -J250-

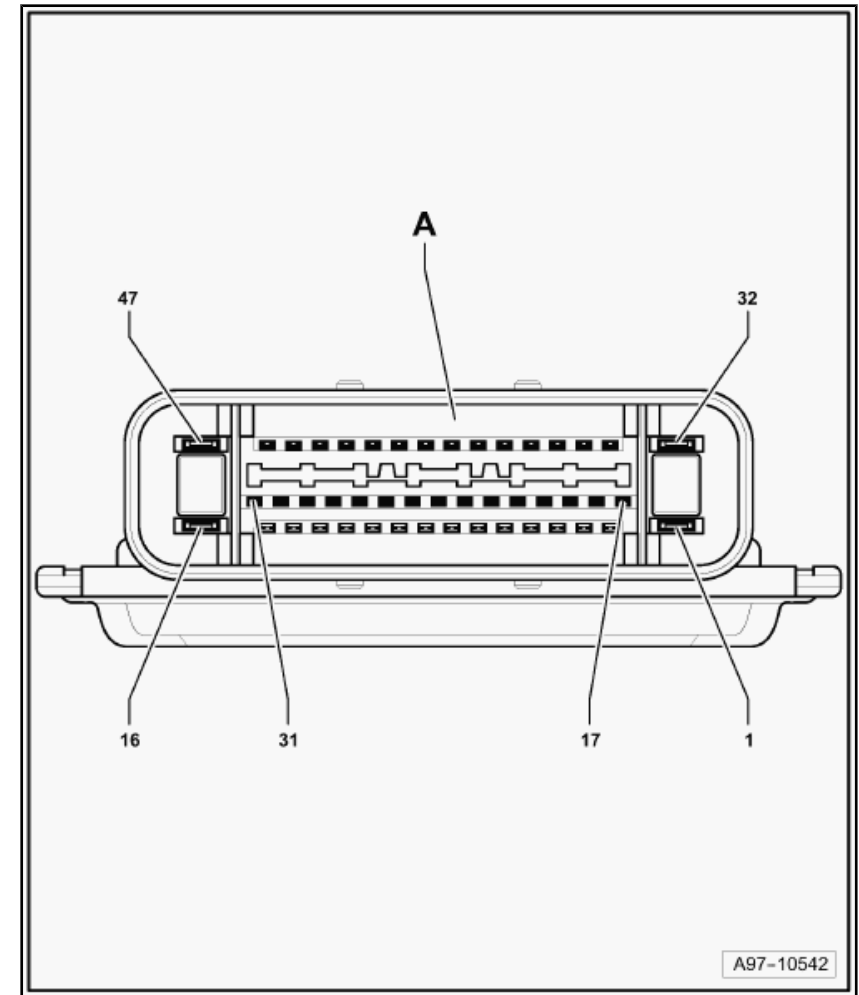
A - Electronic Damping Control Module -J250-

Connector:

- 47-Pin Connector -T47a-



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### 1.26 Connectors on Towing Recognition Control Module -J345-

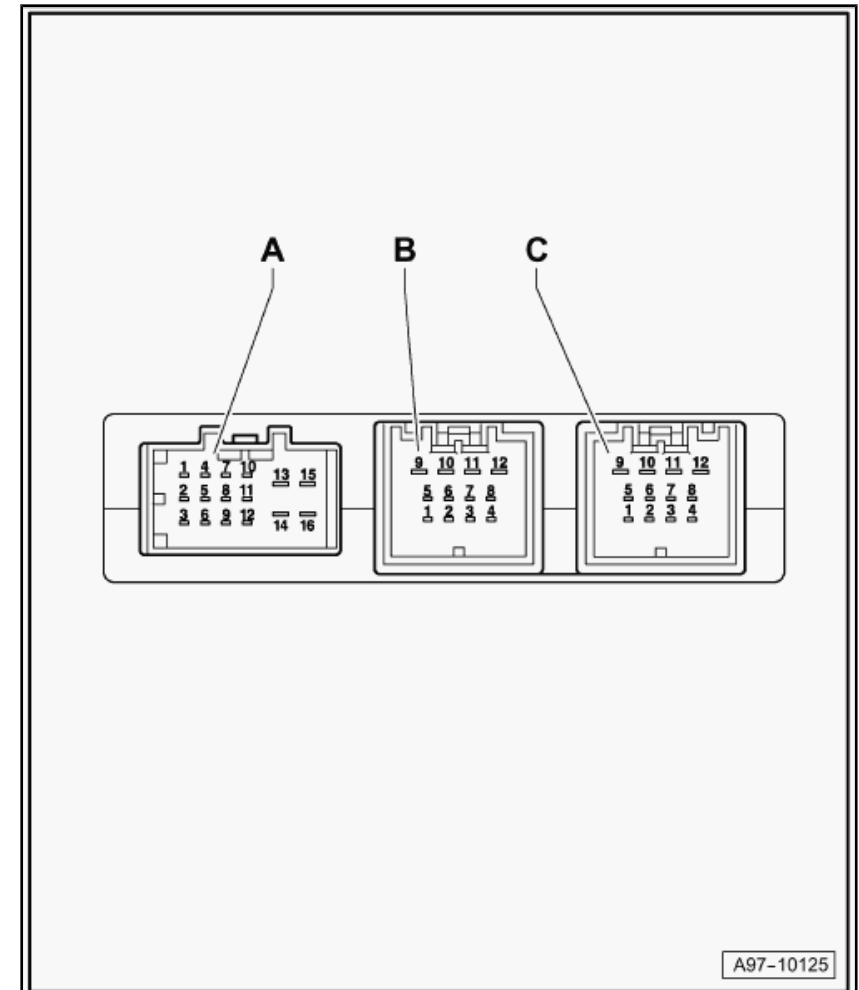
A - 16-Pin Connector, black -T16d-

B - 12-Pin Connector, red -T12d-

C - 12-Pin Connector -T12z-



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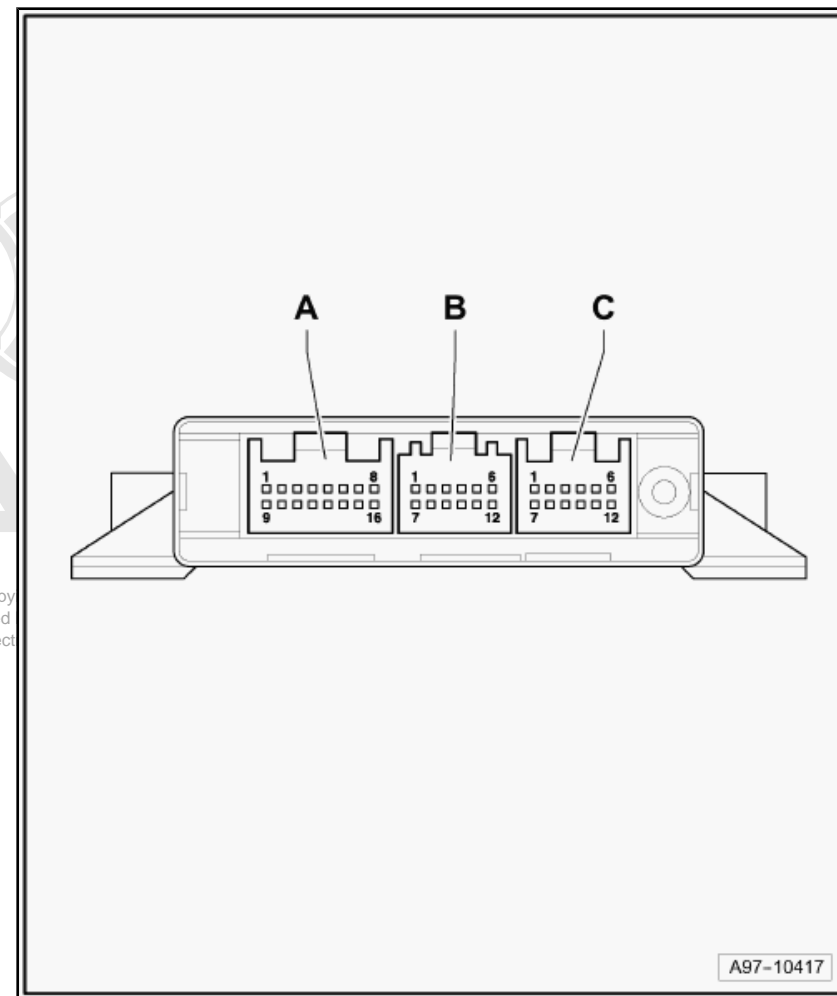
## 1.27 Connectors on Parallel Parking Assistance Control Module -J791-

A - 16-Pin Connector, brown -T16e-

B - 12-Pin Connector, brown -T12e-

C - 12-Pin Connector, black -T12g-

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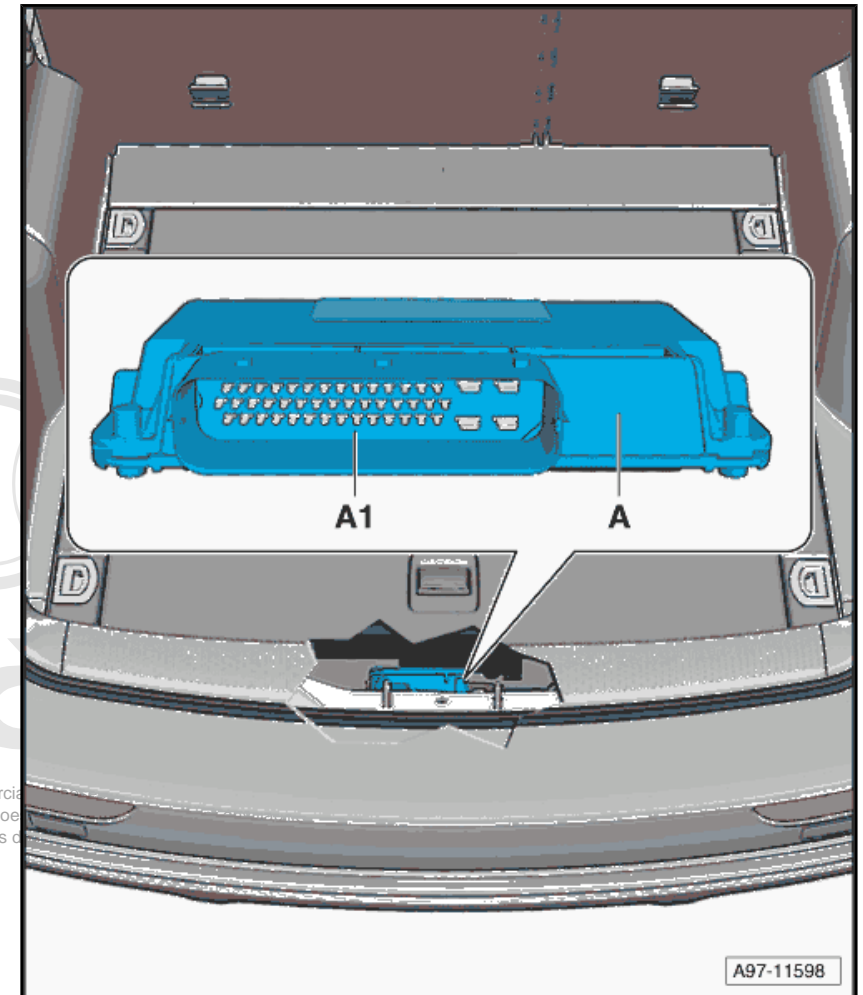
## 1.28 All-Wheel Drive Control Module -J492-

### Component Location:

In spare tire well, behind battery -A- .

A - All-Wheel Drive Control Module -J492-

A1 - 47-Pin Connector -T47b-



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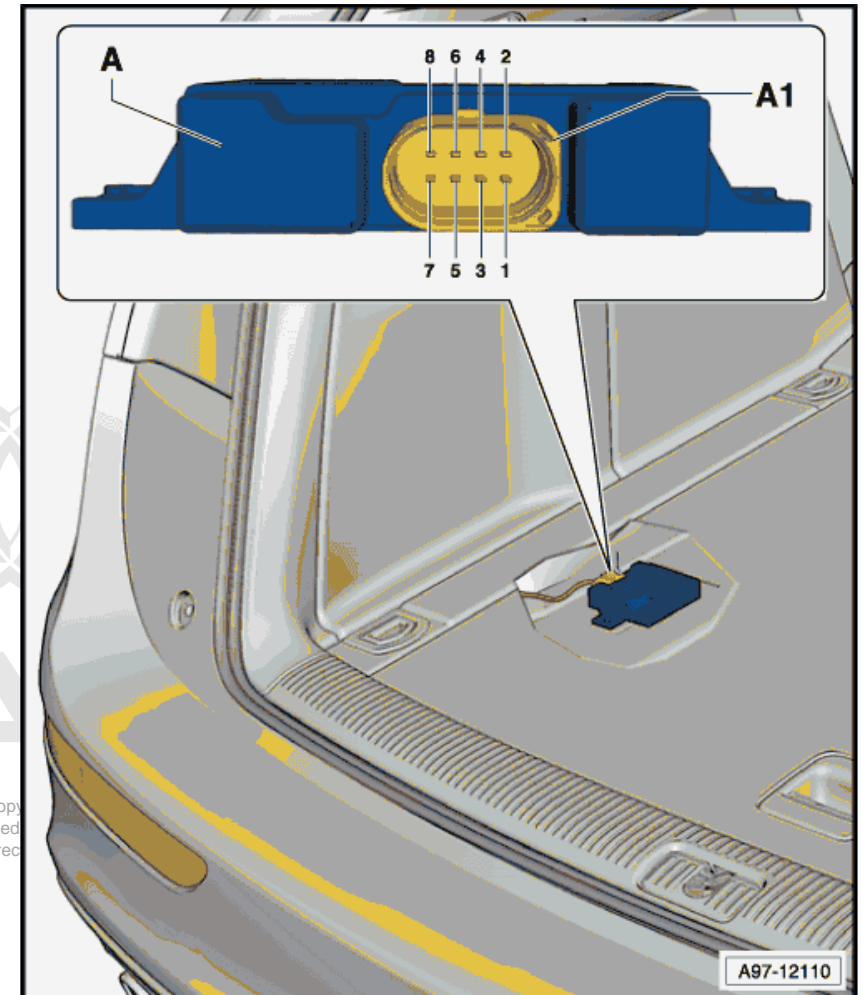
## 1.29 Engine Sound Generator Control Module -J943-

Component Location:

In left luggage compartment

1 - Engine Sound Generator Control Module -J943-

2 - 8-Pin Connector -T8s-



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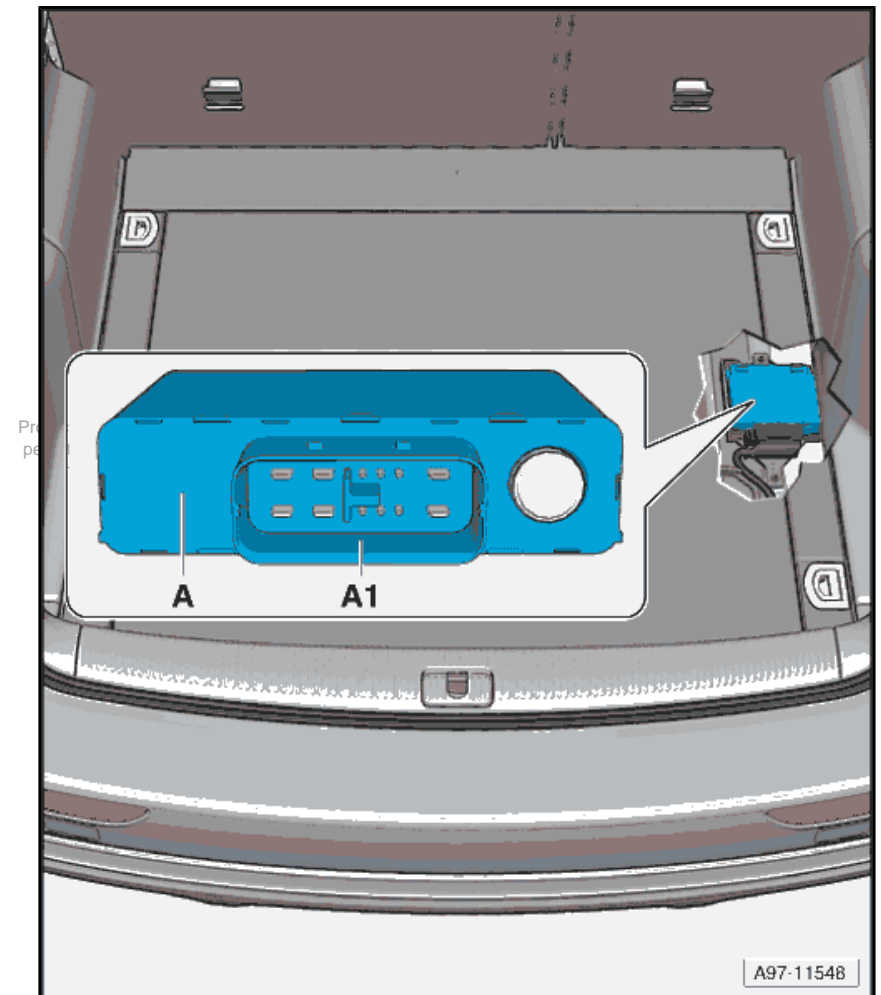
### 1.30 Voltage Stabilizer -J532-

#### Component Location:

In luggage compartment, right

1 - Voltage Stabilizer -J532-

2 - 12-Pin Connector -T12aa-



### 1.31 Battery Monitoring Control Module -J367-

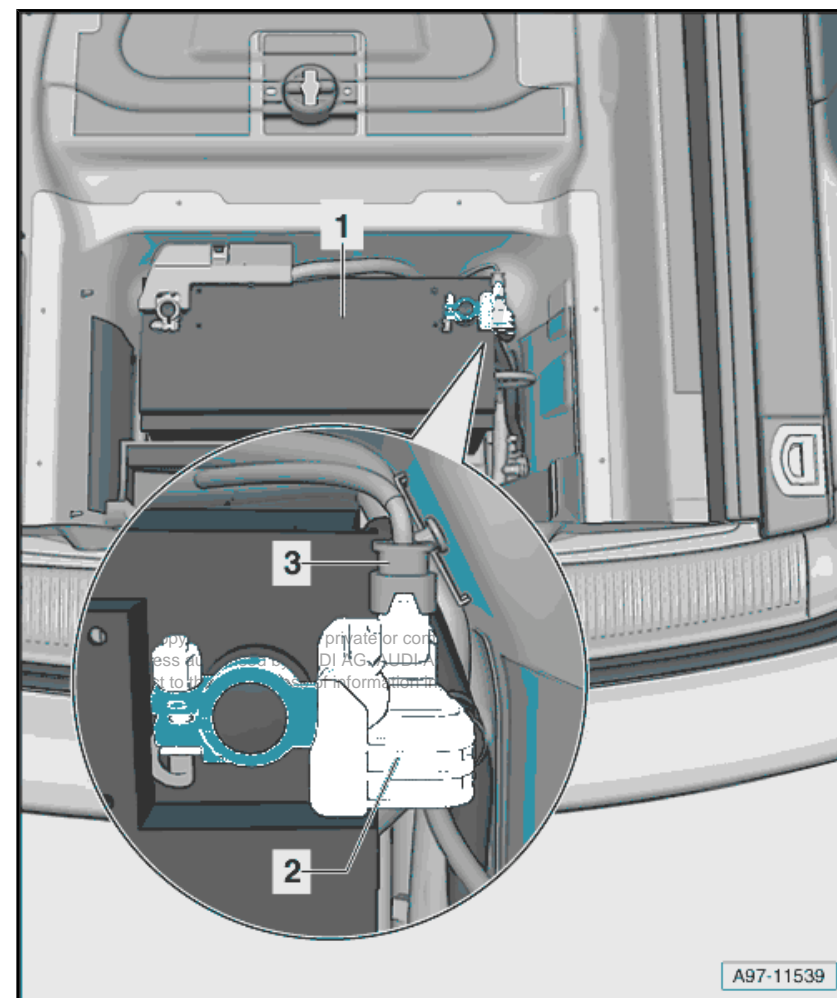
#### Component Location:

On negative terminal of battery -A- .

1 - Battery -A-

2 - Battery Monitoring Control Module -J367-

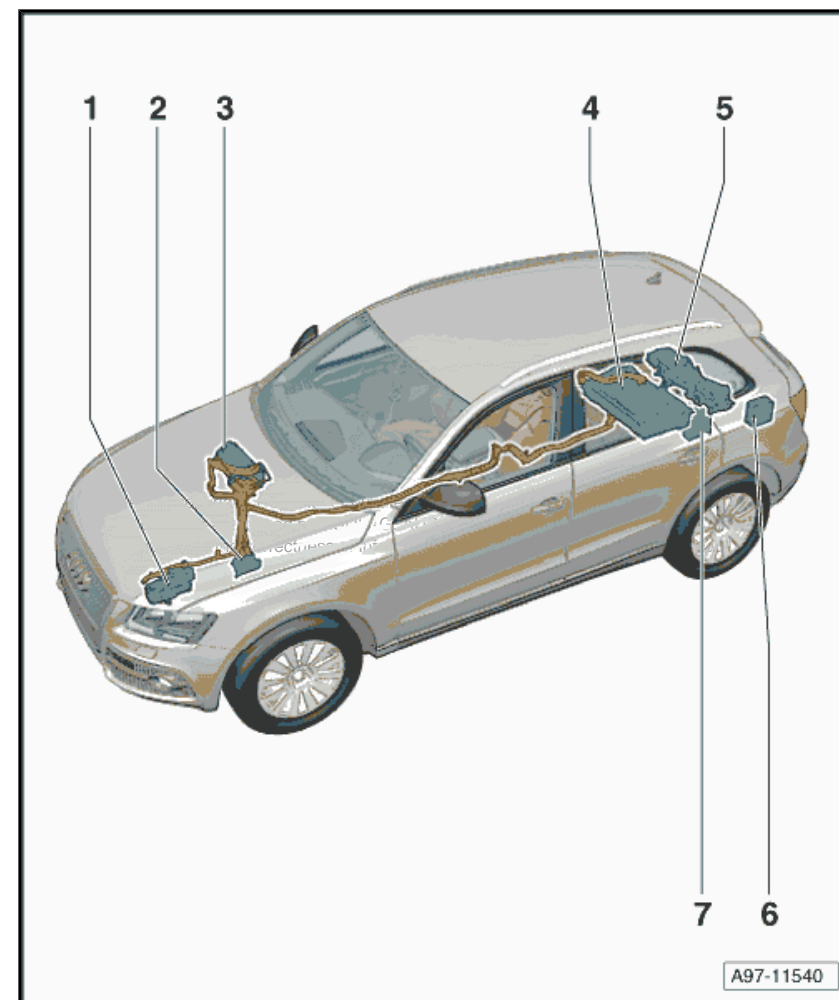
3 - Double Connector -T2x-



A97-11539

## 1.32 Overview High-Voltage System (hybrid)

- 1 -  
Electrical A/C Compressor -V470- with A/C Compressor Control Module -J842-  
☐ Component Location and Pin Connector: [⇒ page 38](#)
- 2 -  
Three-Phase Current Drive -VX54- / Electro-Drive Drive Motor -V141-  
☐ Component Location and Pin Connectors: [⇒ page 41](#)
- 3 - Electric Drive Power and Control Electronics -JX1-  
Component Location and Pin Connectors: [⇒ page 39](#)
- 4 -  
Hybrid Battery Unit -AX1- with Hybrid Battery -A38- and Battery Regulation Control Module -J840-  
☐ Component Location and Pin Connectors: [⇒ page 42](#)
- 5 - High-Voltage System Battery Cooling Module (hybrid)  
☐ Component:  
-G756- , -G757- , -N516- , -V457- , -V479- , -V480-  
☐ Component Location: [⇒ page 43](#)
- 6 - Auxiliary Battery -A1-  
☐ Component Location and Pin Connector: [⇒ page 45](#)
- 7 - Wire Junction -TV1- for High-Voltage System (hybrid)  
Component Location: [⇒ page 44](#)





### 1.33 Electrical A/C Compressor -V470- with A/C Compressor Control Module -J842-

Component Location:

On left engine block

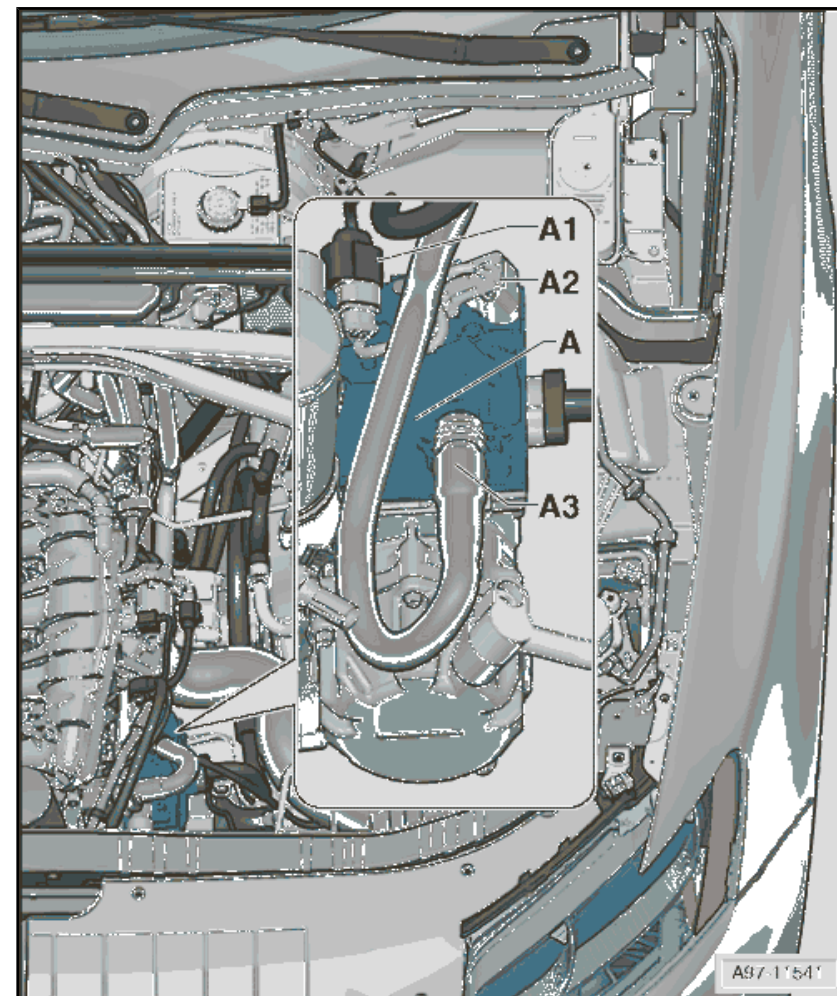
A - Electrical A/C Compressor -V470- with A/C Compressor Control Module -J842-

A1 - 8-Pin Connector -T8ay-

A2 - Connector A/C Compressor Control Module -J842-

A3 - 4-Pin Connector -T4bk-

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## 1.34 Electric Drive Power and Control Electronics -JX1-

Component Location:

In plenum chamber.

A - Electric Drive Power and Control Electronics -JX1-

A1 - 4-Pin Connector -T4jx-

A2 - Single Connector -T1f- High-Voltage Wiring (converter minus)

A3 - Single Connector -T1e- High-Voltage Wiring (converter plus)

A4 - Single Connector -T1cu-

A5 - Single Connector -T1cv-

A6 - Single Connector -T1cw-

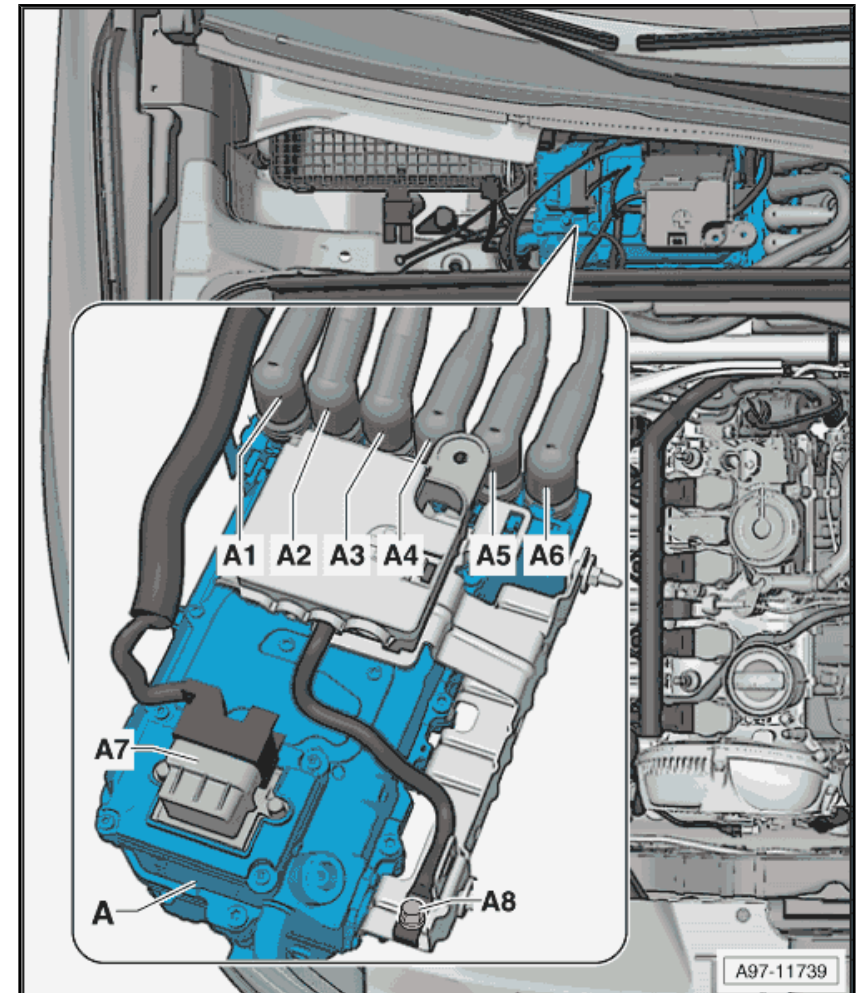
A7 - 28-Pin Connector -T28jx-



Note

*Pin assignment on wiring harnesses -T28jx- are not identical at the pin assignment of Electric Drive Power and Control Electronics -JX1- => [page 40](#)*

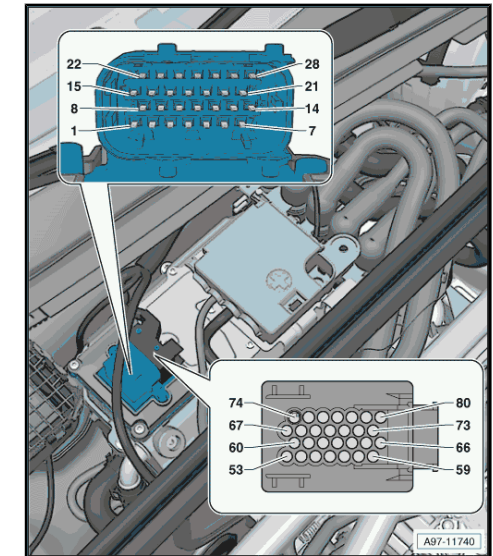
A8 - Positive wire to Fuse 2 (30) -S205- on Terminal 30 Wire Junction 2 -TV22-



### 1.34.1 Allocation of pins 28-Pin Connector -T28jx- to Electric Drive Power and Control Electronics -JX1-

Pin on wiring harnesses 28-Pin Connector -T28jx-	Pin on Electric Drive Power and Control Electronics -JX1-
53	1
54	2
55	3
56	4
57	5
58	6
59	7
60	8
61	9
62	10
63	11
64	12
65	13
66	14
67	15
68	16
69	17
70	18
71	19
72	20
73	21
74	22
75	23
76	24
77	25
78	26
79	27
80	28

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### 1.35 Three-Phrase Current Drive -VX54- / Electro-Drive Drive Motor -V141-

Component Location:

On transmission housing.

A - Three-Phrase Current Drive -VX54- / Electro-Drive Drive Motor -V141-

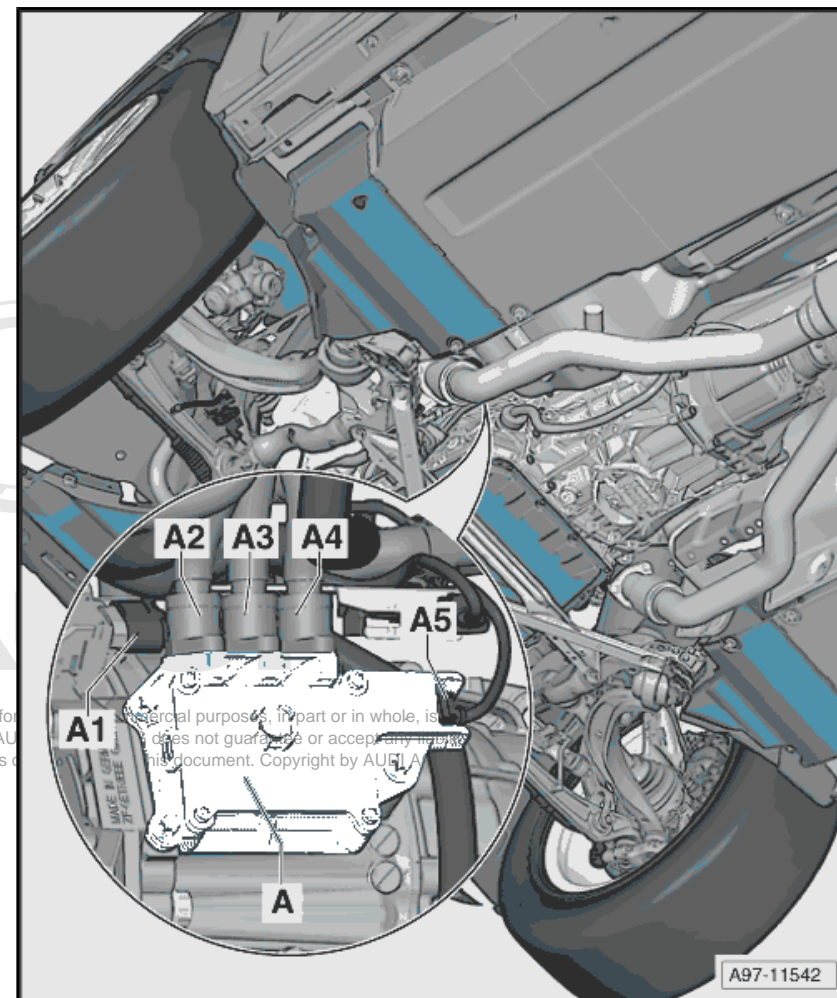
A1 - 10-Pin Connector -T10vx-

A2 - Single Connector -T1bu-

A3 - Single Connector -T1bv-

A4 - Single Connector -T1bw-

A5 - Double Connector -T2vx-



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## 1.36 Hybrid Battery Unit -AX1- with Hybrid Battery -A38- and Battery Regulation Control Module -J840-

Component Location:

Under luggage compartment cover

A - Hybrid Battery Unit -AX1- with Hybrid Battery -A38-

A1 - 8-Pin Connector -T8ax-

A2 - 14-Pin Connector -T14ax-

A3 - Single Connector -T1b- High-Voltage Wiring (minus)

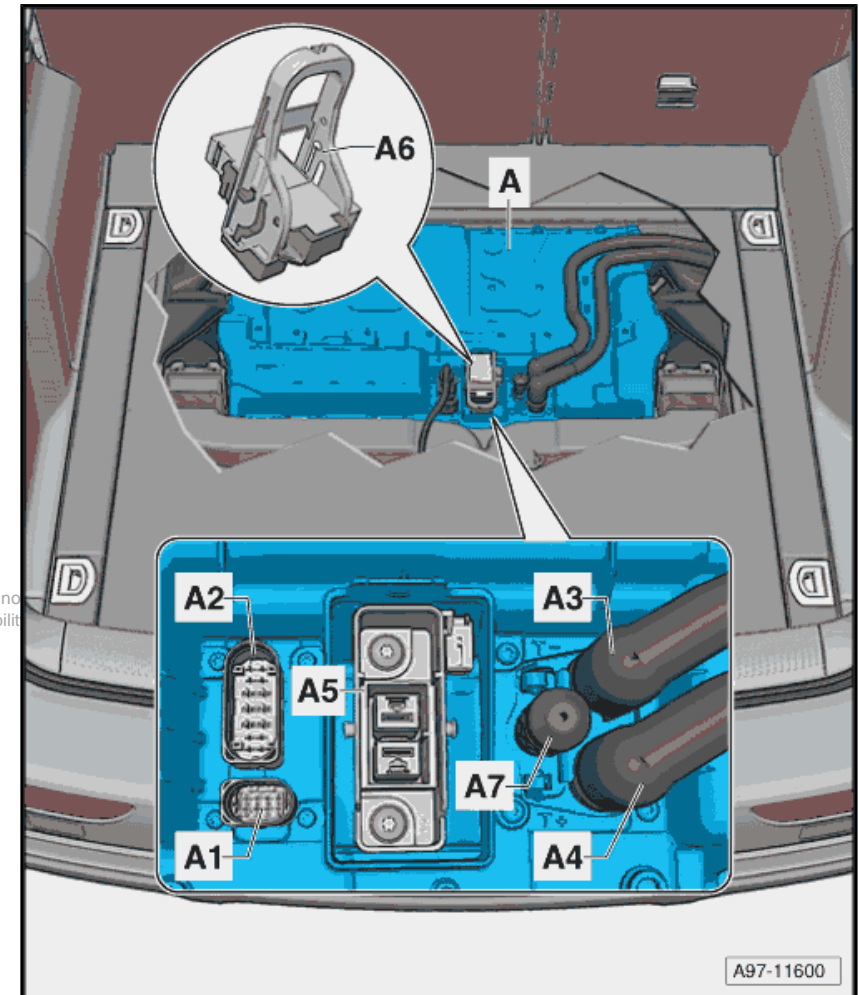
A4 - Single Connector -T1c- High-Voltage Wiring (plus)

A5 - Connection for -TW-

A6 - High Voltage System Maintenance Connector -TW- with High Voltage System Fuse -S350-

A7 - Safety Connector 1 -TV44-

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## 1.37 High-Voltage System Battery Cooling Module (hybrid)

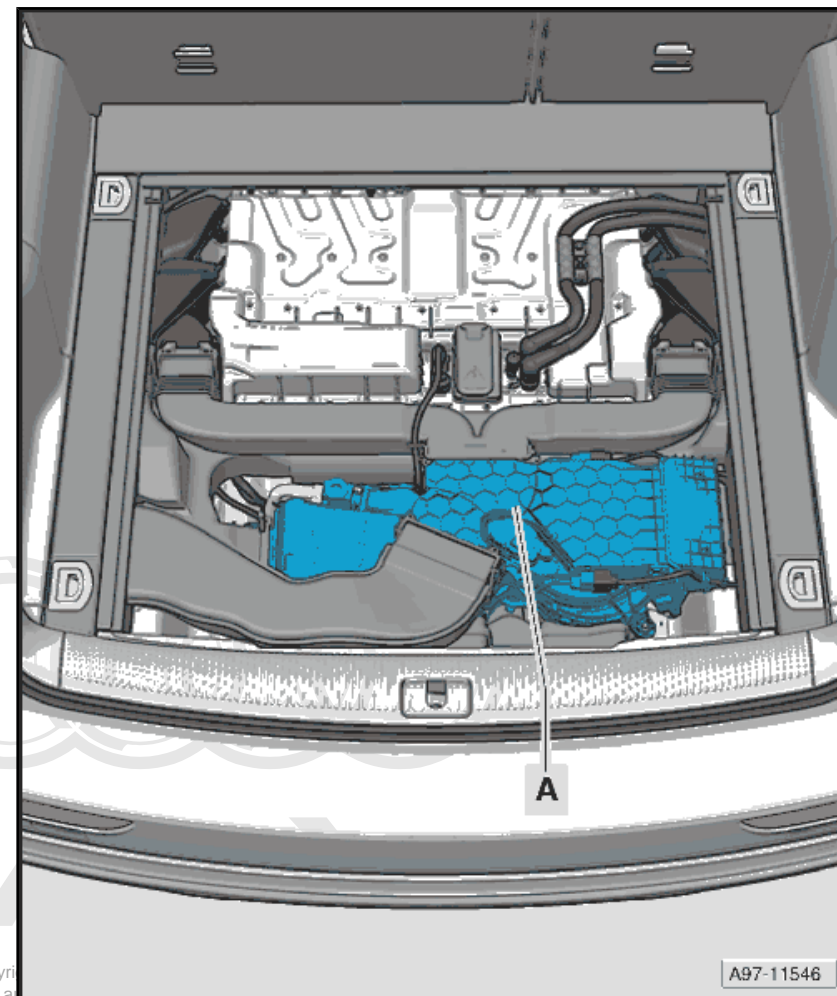
### Component Location:

Under luggage compartment cover

### A - High-Voltage System Battery Cooling Module (hybrid)

#### Component:

- ◆ Temperature Sensor Before Hybrid Battery Evaporator -G756-
- ◆ Temperature Sensor After Hybrid Battery Evaporator -G757-
- ◆ Hybrid Battery Refrigerant Shut-Off Valve 1 -N516-
- ◆ Battery Fan 1 -V457-
- ◆ Hybrid Battery Recirculation Door Positioning Motor 1 -V479-
- ◆ Hybrid Battery Recirculation Door Positioning Motor 2 -V480-



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### 1.38 Wire Junction -TV1- for High-Voltage System (hybrid)

#### Component Location:

In luggage compartment left beside Battery -A- .

A - Wiring Connection Battery -A-

B - Starter Battery Switch-Over Relay -J580-

B1 - Connector on -J580-

C - Not used

D - Fuse 4 - terminal 30 -S207- , 110 A

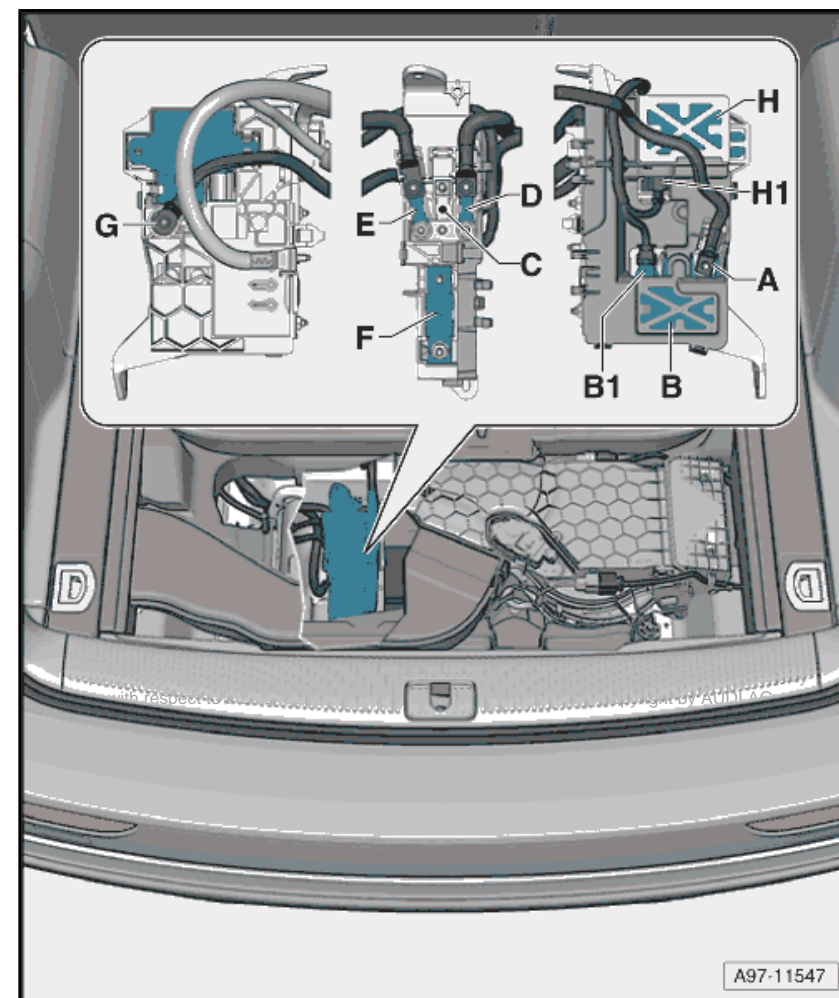
E - Fuse 5 - terminal 30 -S208- , 110 A

F - Fuse 6 - terminal 30 -S209- , 200 A

G - Wiring Connection Auxiliary Battery -A1-

H - Battery Separation Relay -J7-

H1 - Connector on Battery Cut-Out Relay -J7-



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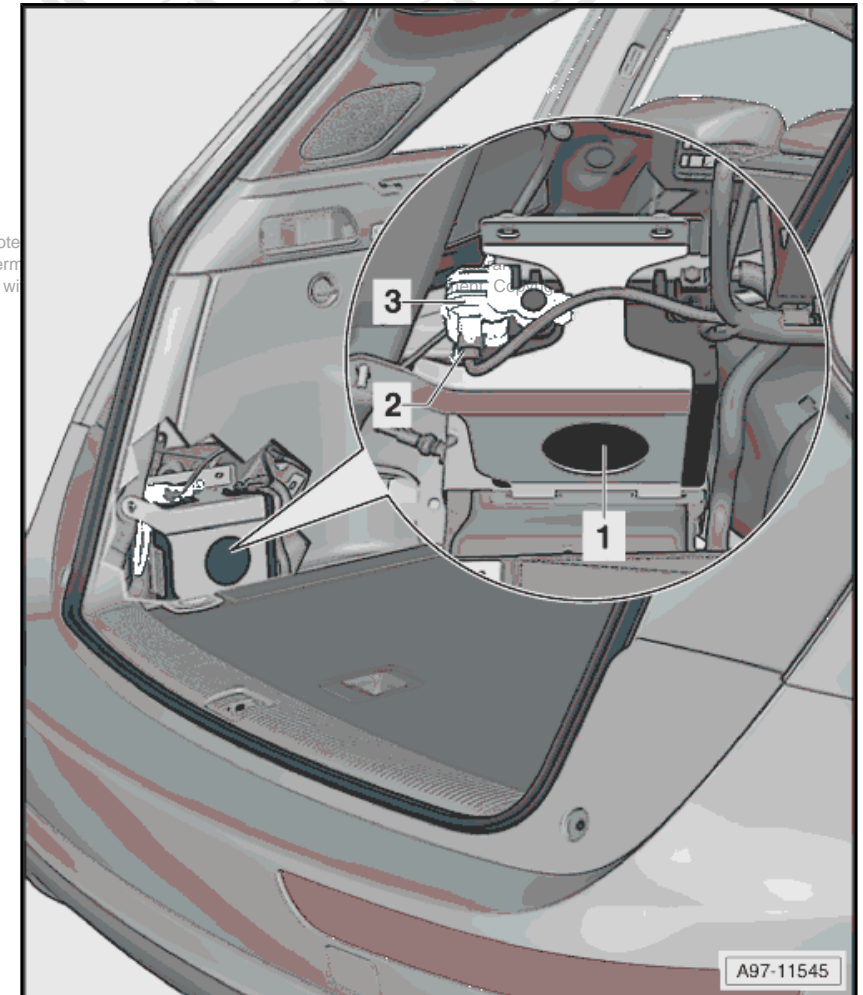
### 1.39 Auxiliary Battery -A1- for High-Voltage System (hybrid)

Component Location:

In left luggage compartment

- 1 - Auxiliary Battery -A1-
- 2 - Double Connector -T2z-
- 3 - Battery Monitoring Control Module 2 -J934-

Prote  
perm  
wi





## 1 Comp. Loc. Connector Stations

### 1.1 Overview of Connector Stations

1 -

#### 6-Pin connector station A-pillar, front passenger's side

- ❑ Pin Connectors: -T5c- , -T10y- , -T10ab- , -T10ac- , -T17a- , -T17f- , -T17g- , -T17w- , -T17x-
- ❑ Component Location for models with left-hand drive ⇒ [page 2](#)
- ❑ Component Location for models with right-hand drive ⇒ [page 4](#)

#### 2 - Fuse panel D -SD-

- ❑ Connector: -T46s-
- ❑ Component Location for models with left-hand drive ⇒ [page 5](#)
- ❑ Component Location for models with right-hand drive ⇒ [page 7](#)

#### 3 - External Audio Source Connector -R199- (AMI)

- ❑ Component Location for models with -R199- as Audi Music Interface (AMI - MOST):  
⇒ [page 17](#)
- ❑ Component Location for models with -R199- as Audi Music Interface (AMI - CAN):  
⇒ [page 19](#)
- ❑ Component Location for models with -R199- as AUX-Connector: ⇒ [Item 5 \(page 1\)](#)

4 -

#### Connector station seat wiring, front passenger seat

- ❑ Pin Connectors: -T2db- , -T3h- , -T6k- , -T10m- , -T10n-
- ❑ Component Location: ⇒ [page 8](#)

#### 5 - External Audio Source Connector -R199- (AUX)

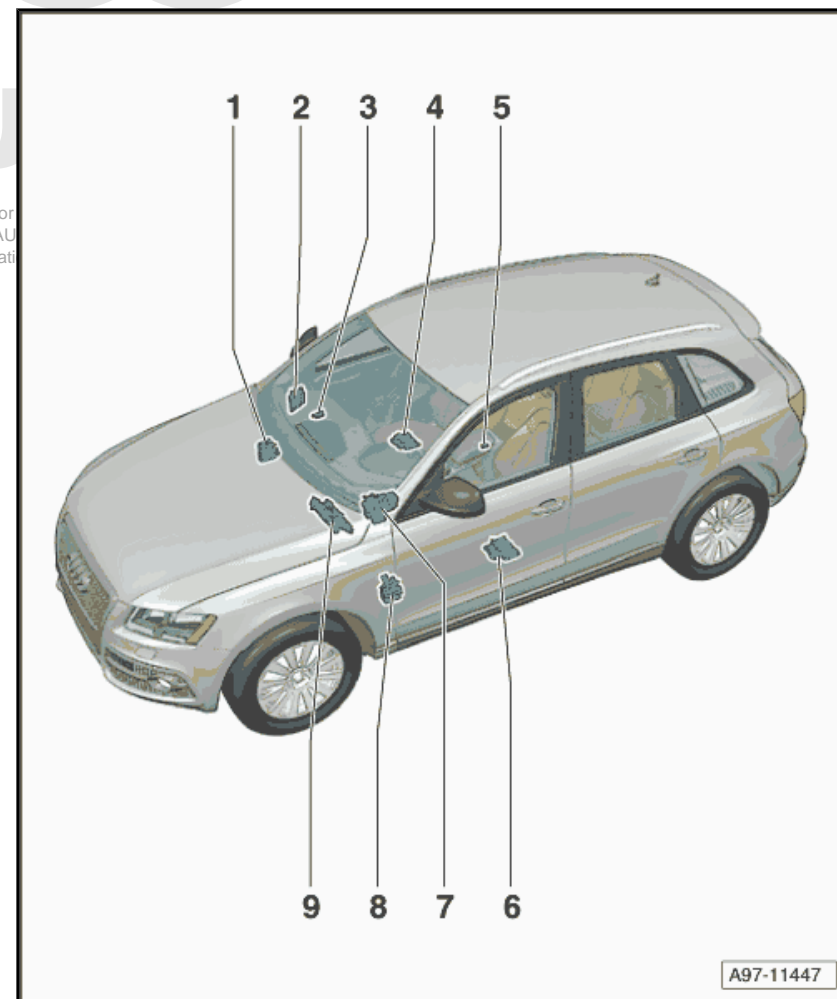
- ❑ Component Location for models with -R199- as AUX-Connector: ⇒ [page 20](#)

6 -

#### Connector station seat wiring, driver seat

- ❑ Pin Connectors: -T2da- , -T3k- , -T6l- , -T10o- , -T10p-
- ❑ Component Location: ⇒ [page 8](#)

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**7 - Relay / fuse panel with Vehicle Electrical System Control Module -J519-**

- ☐ Threaded Connection: 500
- ☐ Component Location for models with left-hand drive [⇒ page 14](#)
- ☐ Component Location for models with right-hand drive [⇒ page 16](#)

**8 -**

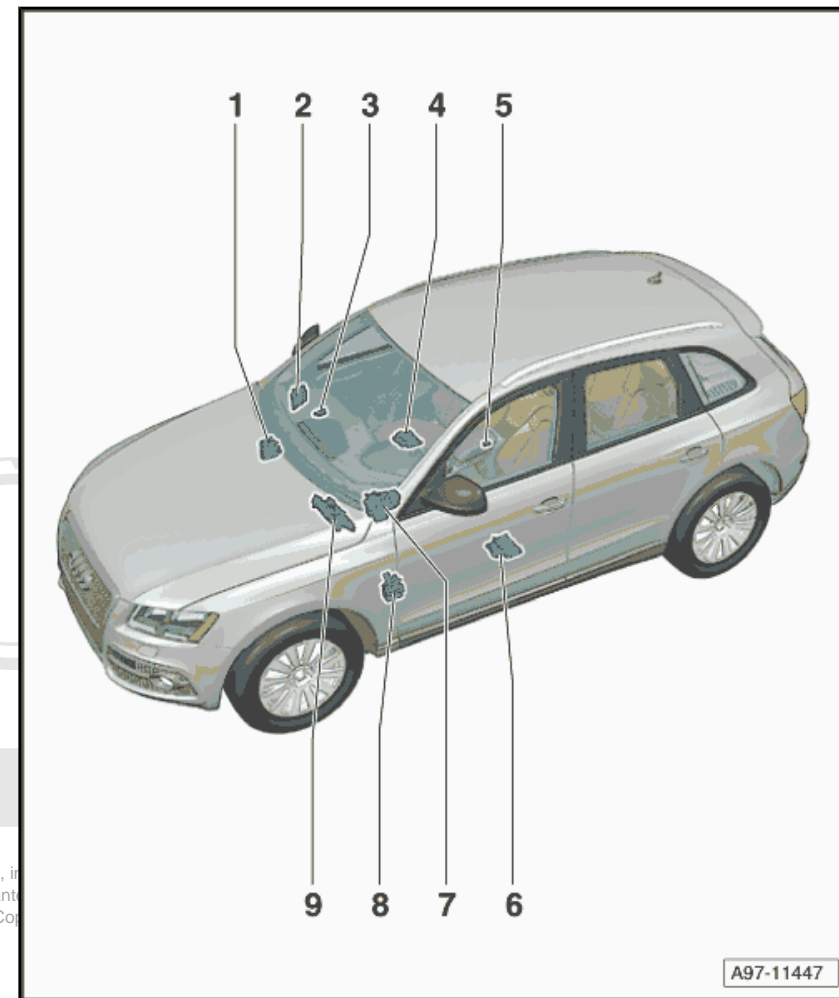
**6-Pin connector station A-pillar, driver's side**

- ☐ Pin Connectors: -T5b- , -T17b- , -T17c- , -T17d- , -T17e- , -T17j- , -T46i-
- ☐ Component Location for models with left-hand drive [⇒ page 8](#)
- ☐ Component Location for models with right-hand drive [⇒ page 10](#)

**9 -**

**Relay / fuse panel B -SB-**

- ☐ Pin Connectors and Threaded Connections: -T17q- , -T17r- , -T17t- , 501
- ☐ Component Location for models with left-hand drive [⇒ page 11](#)
- ☐ Component Location for models with right-hand drive [⇒ page 13](#)



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## 1.2 6-Pin connector station A-pillar, front passenger's side

**Component Location 6-Pin connector station A-pillar, front passenger's side, only models with left-hand drive:**

In front passenger's footwell on A-pillar, behind side trim

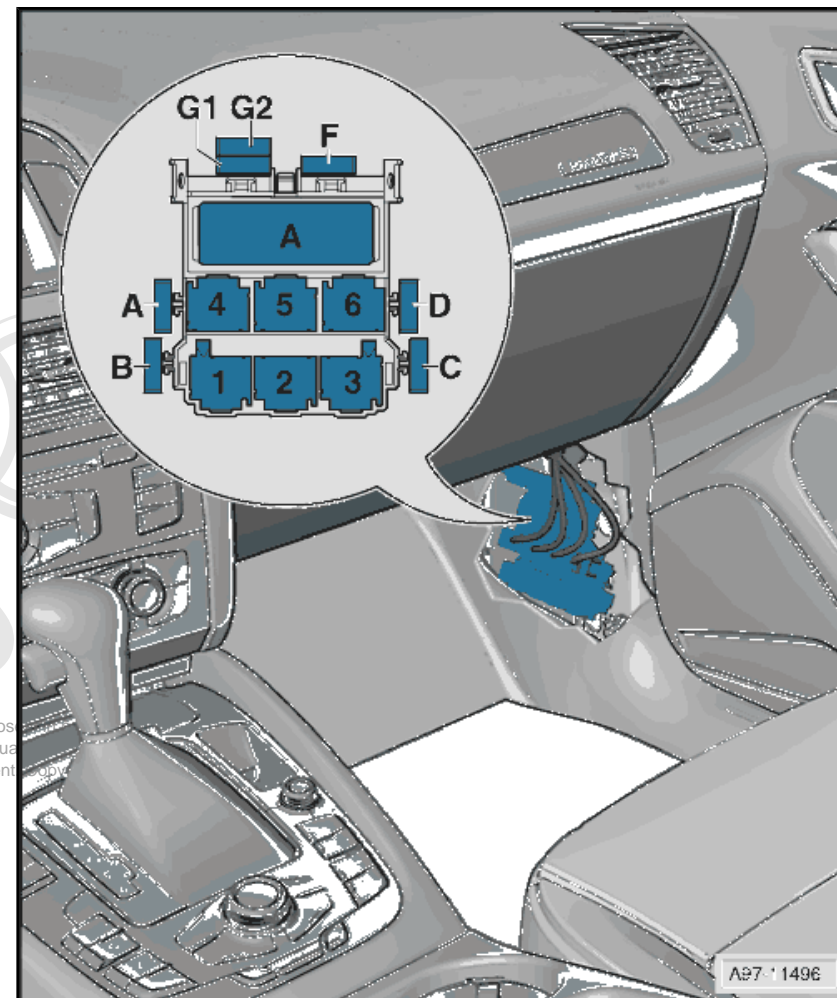
- 1) Applicable through model year 2009
- 2) Applicable from model year 2010



Note

- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 4](#) .

- 1 - 10-Pin Connector, black -T10y-
- 2 - 10-Pin Connector, red -T10ab- <sup>1)</sup>
- 2 - 17-Pin Connector, yellow -T17x- <sup>2)</sup>
- 3 - 17-Pin Connector, blue -T17a-
- 4 - 17-Pin Connector, black -T17g-
- 5 - 17-Pin Connector, brown -T17f-
- 6 - 10-Pin Connector, grey -T10ac- <sup>1)</sup>
- 6 - 17-Pin Connector, white -T17w- <sup>2)</sup>
- D - 5-Pin Connector, yellow -T5c- <sup>1)</sup>



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**Component Location 6-Pin connector station A-pillar, front passenger's side, only models with right-hand drive:**

In front passenger's footwell on A-pillar, behind side trim

3) Applicable through model year 2009

4) Applicable from model year 2010

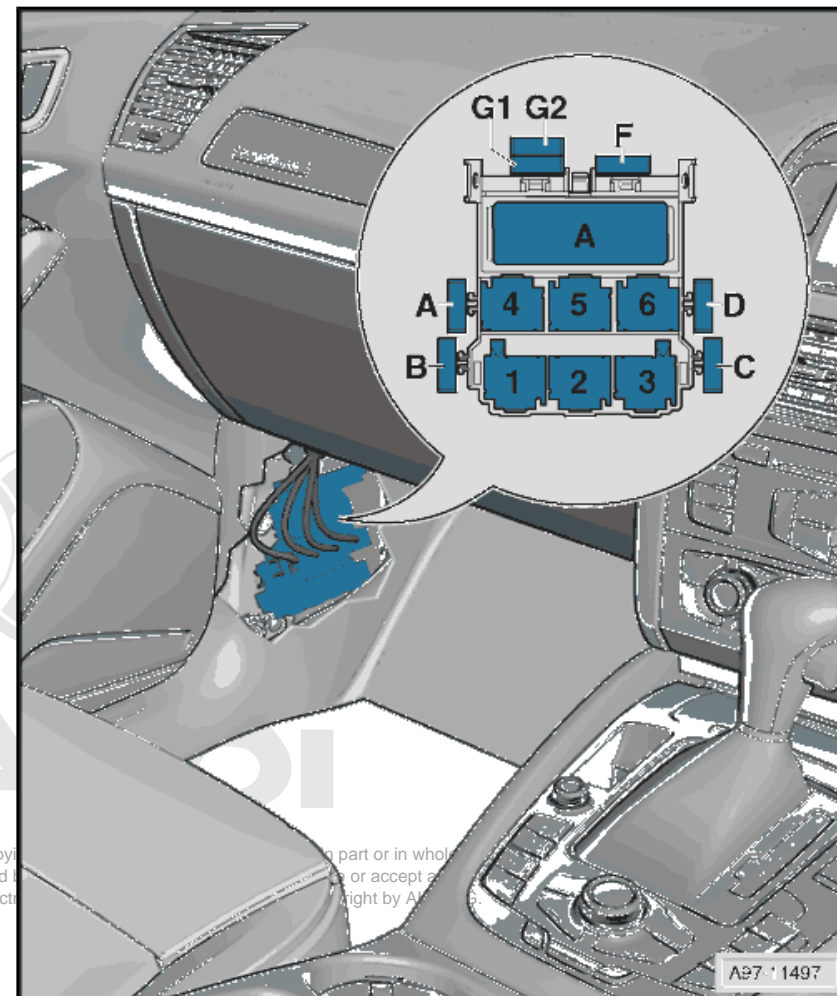
**Note**

- ◆ *Illustration shows models with right-hand drive.*
- ◆ *Illustration for models with left-hand drive ⇒ [page 2](#).*



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- 1 - Not used
- 2 - 10-Pin Connector, red -T10ab- <sup>3)</sup>
- 2 - 17-Pin Connector, yellow -T17x- <sup>4)</sup>
- 3 - Not used
- 4 - 17-Pin Connector, brown -T17d-
- 5 - 17-Pin Connector, black -T17c-
- 6 - 10-Pin Connector, grey -T10ac- <sup>3)</sup>
- D - 5-Pin Connector, yellow -T5c- <sup>3)</sup>



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### 1.3 Fuse panel D -SD-

Component Location Fuse Panel D -SD- for models with left-hand drive:

Below front passenger's instrument panel cover

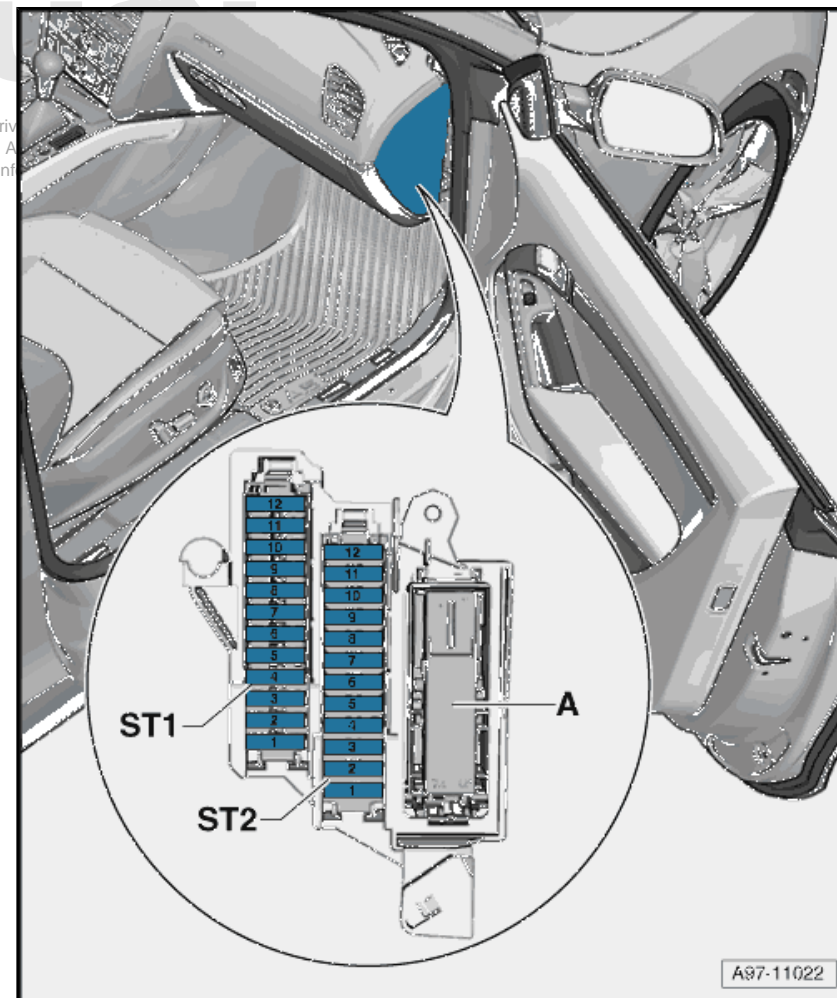


Note

- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 7](#).

A - 46-Pin Connector, black, CAN separating connector, instrument panel -T46s-

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Component Location Fuse Panel D -SD- for models with right-hand drive:

Below front passenger's instrument panel cover

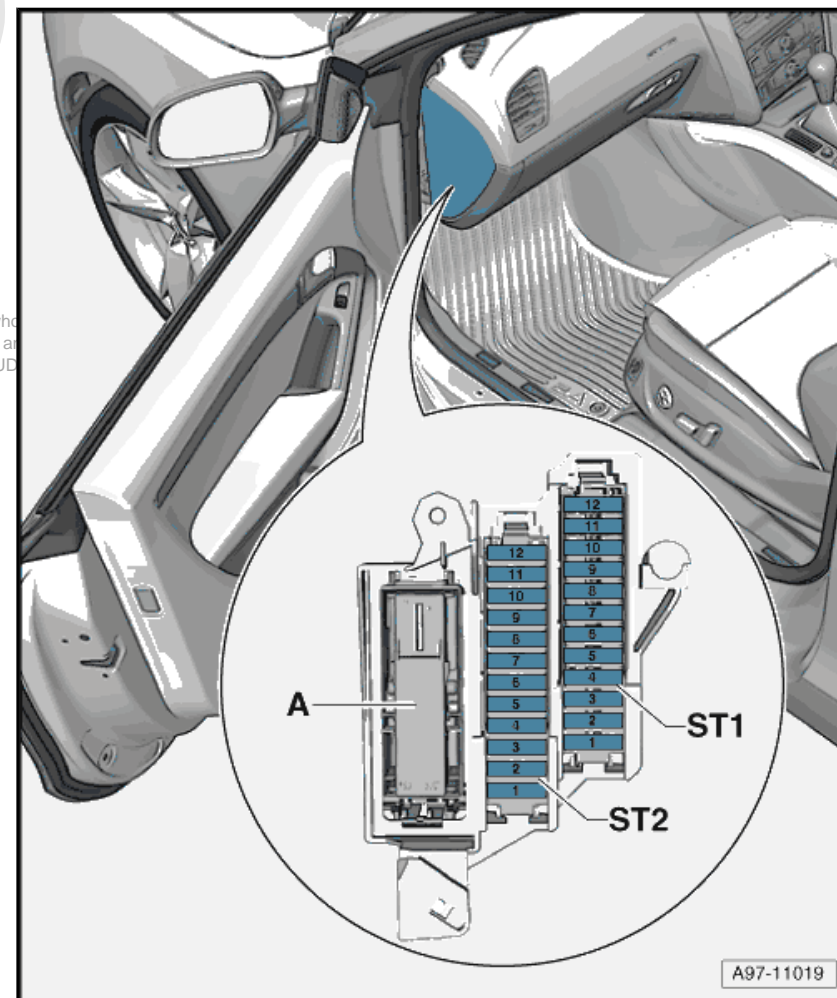


Note

- ◆ Illustration shows models with right-hand drive.
- ◆ Illustration for models with left-hand drive ⇒ [page 5](#).

A - 46-Pin Connector, black, CAN separating connector, instrument panel -T46s-

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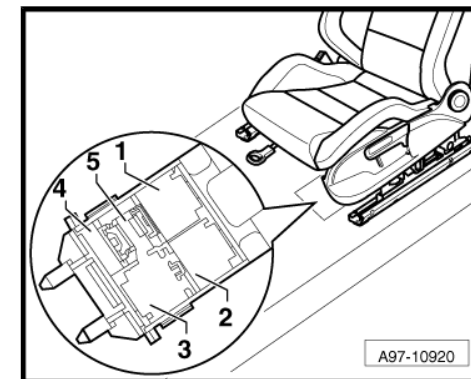
## 1.4 Connector station seat wiring, driver seat

### Component Location:

Below driver's seat in vehicle floor

### Pin Connectors:

- 1 - 6-Pin Connector, green -T6l-
- 2 - 10-Pin Connector, red -T10p-
- 3 - 10-Pin Connector, black -T10o-
- 4 - Double Connector, blue/purple -T2da-
- 5 - 3-Pin Connector, yellow -T3k-



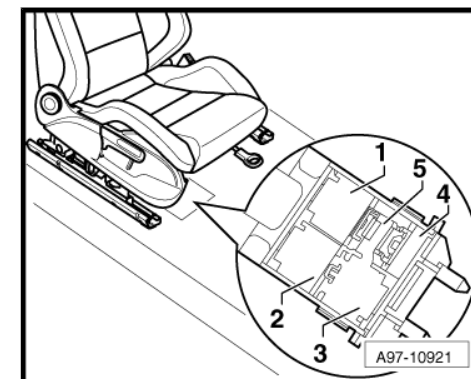
## 1.5 Connector station seat wiring, front passenger seat

### Component Location:

Below front passenger's seat in vehicle floor

### Pin Connectors:

- 1 - 6-Pin Connector, green -T6k-
- 2 - 10-Pin Connector, red -T10m-
- 3 - 10-Pin Connector, black -T10n-
- 4 - Double Connector, blue/purple -T2db-
- 5 - 3-Pin Connector, yellow -T3h-



## 1.6 6-Pin connector station A-pillar, driver's side

Component Location 6-Pin connector station A-pillar, driver's side, only models with left-hand drive:

In driver's footwell on A-pillar, behind side trim

5) Applicable through model year 2009

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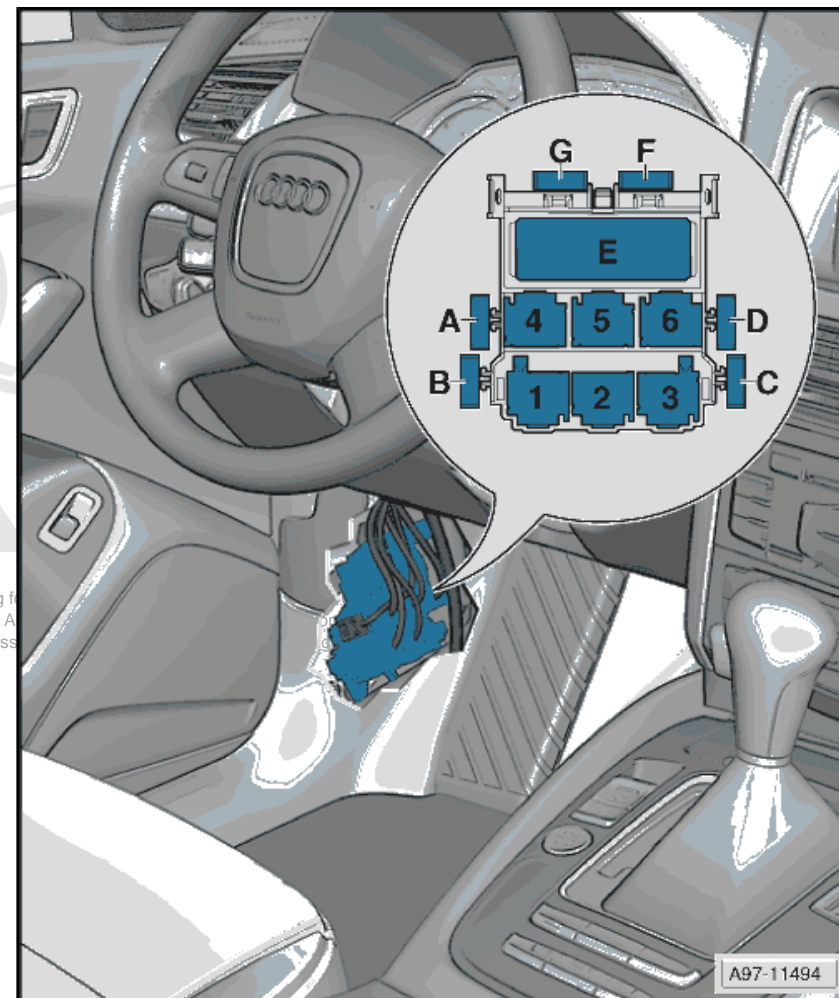




Note

- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 10](#) .

- 1 - 17-Pin Connector, green -T17j-
- 2 - 17-Pin Connector, red -T17e-
- 3 - Not used
- 4 - 17-Pin Connector, brown -T17d-
- 5 - 17-Pin Connector, black -T17c-
- 6 - 17-Pin Connector, blue -T17b-
- A - 5-Pin Connector, yellow -T5b- 5)
- E - 46-Pin Connector, black, CAN separating connector -T46i-



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**Component Location 6-Pin connector station A-pillar, driver's side, only models with right-hand drive:**

In driver's footwell on A-pillar, behind side trim

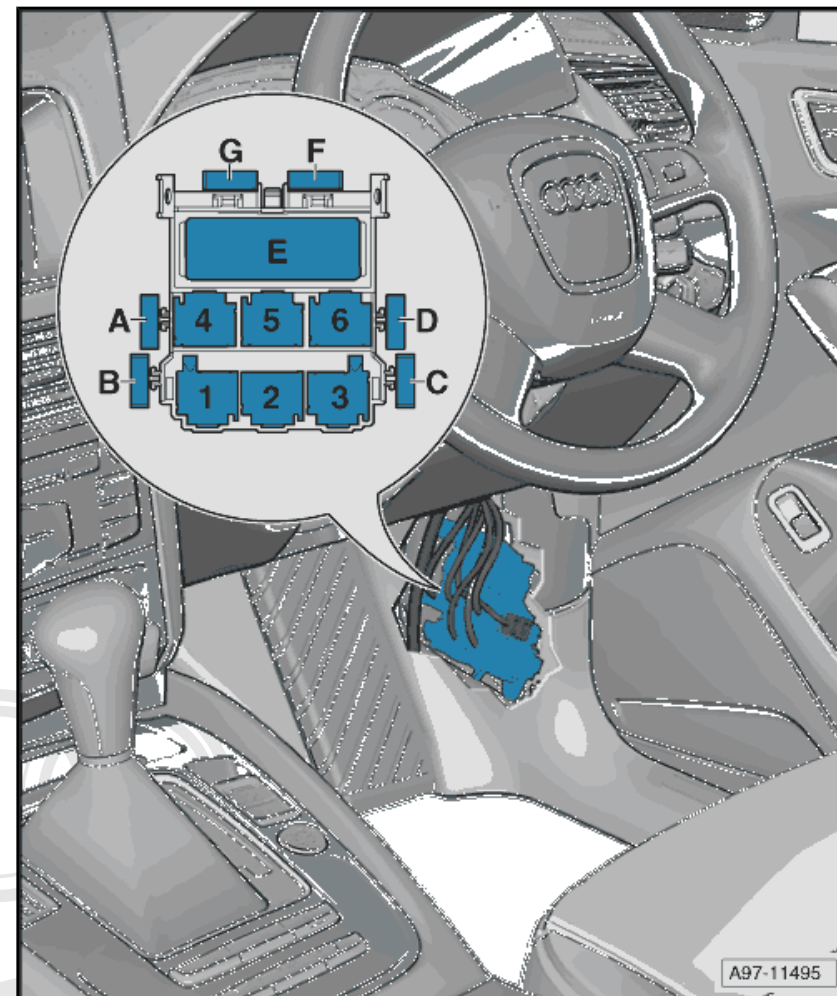
6) Applicable through model year 2009

**Note**

- ◆ *Illustration shows models with right-hand drive.*
- ◆ *Illustration for models with left-hand drive ⇒ [page 8](#).*

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- 1 - Not used
- 2 - 17-Pin Connector, red -T17e-
- 3 - 17-Pin Connector, green -T17j-
- 4 - 17-Pin Connector, blue -T17b-
- 5 - 17-Pin Connector, brown -T17f-
- 6 - 17-Pin Connector, black -T17g-
- A - 5-Pin Connector, yellow -T5b- <sup>6)</sup>
- E - 46-Pin Connector, black, CAN separating connector -T46i-



## 1.7 Relay / fuse panel B -SB-

**Component Location Relay/ Fuse Panel B -SB- for models with left-hand drive.**

In Electronics Box (in plenum chamber, driver's side)

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Note

- ◆ *Illustration shows models with left-hand drive.*
- ◆ *Illustration for models with right-hand drive ⇒ [page 13](#) .*

G - 17-Pin Connector, red -T17q-

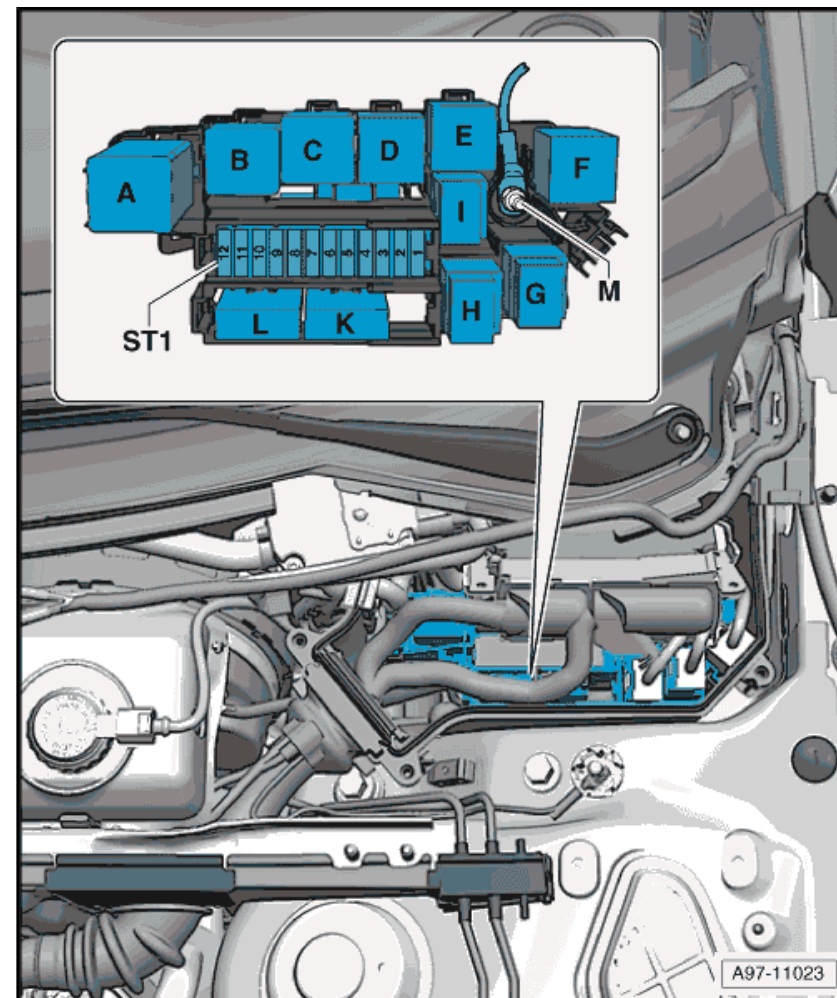
H - 17-Pin Connector, white -T17r-

I - 17-Pin Connector, brown -T17t-

M -  Threaded connection 2 (30) on relay panel



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**Component Location Relay/ Fuse Panel B -SB- for models with right-hand drive:**

In Electronics Box (in plenum chamber, driver's side)



**Note**

- ◆ *Illustration shows models with right-hand drive.*
- ◆ *Illustration for models with left-hand drive ⇒ [page 11](#).*

**G - 17-Pin Connector, red -T17q-**

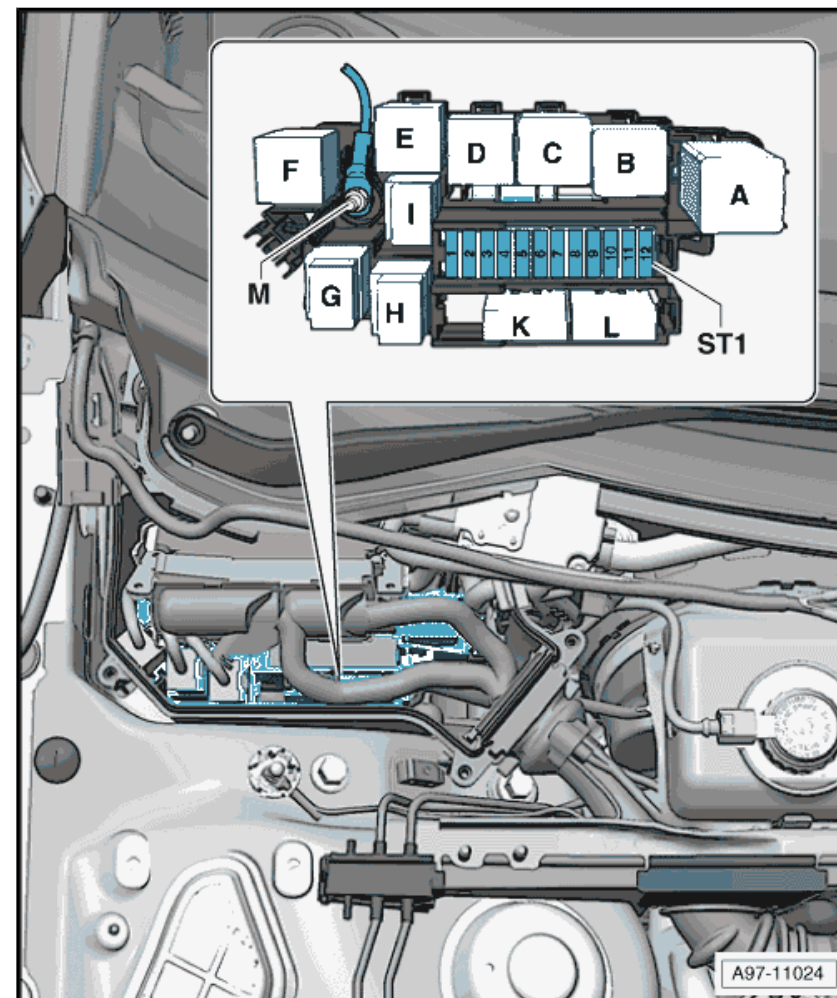
**H - 17-Pin Connector, white -T17r-**

**I - 17-Pin Connector, brown -T17t-**

**M -  Threaded connection 2 (30) on relay panel**



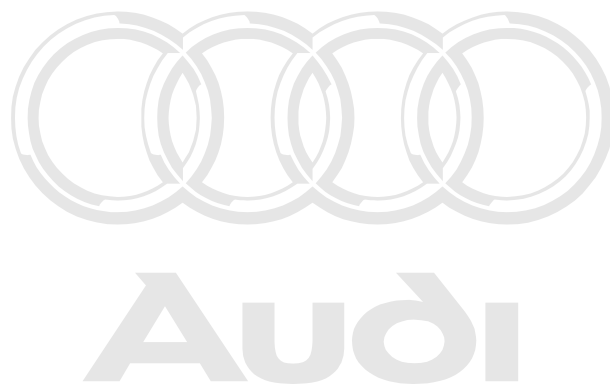
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**1.8 Relay / fuse panel with Vehicle Electrical System Control Module -J519-**

**Component Location Relay / Fuse panel with Vehicle Electrical System Control Module -J519- for models with left-hand drive:**

Below driver's instrument panel



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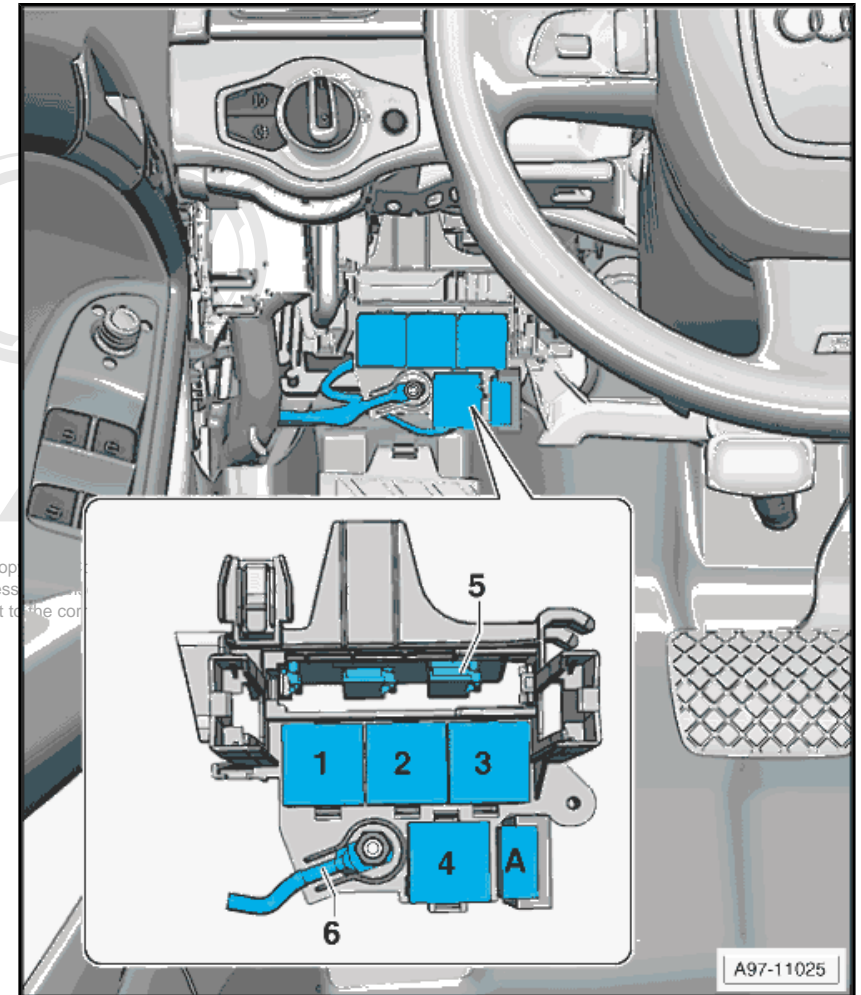




Note

- ◆ Illustration shows models with left-hand drive.
- ◆ Illustration for models with right-hand drive ⇒ [page 16](#).

6 - 500 Threaded connection 1 (30) on relay panel



Component Location Relay / Fuse panel with Vehicle Electrical System Control Module -J519- for models with right-hand drive:

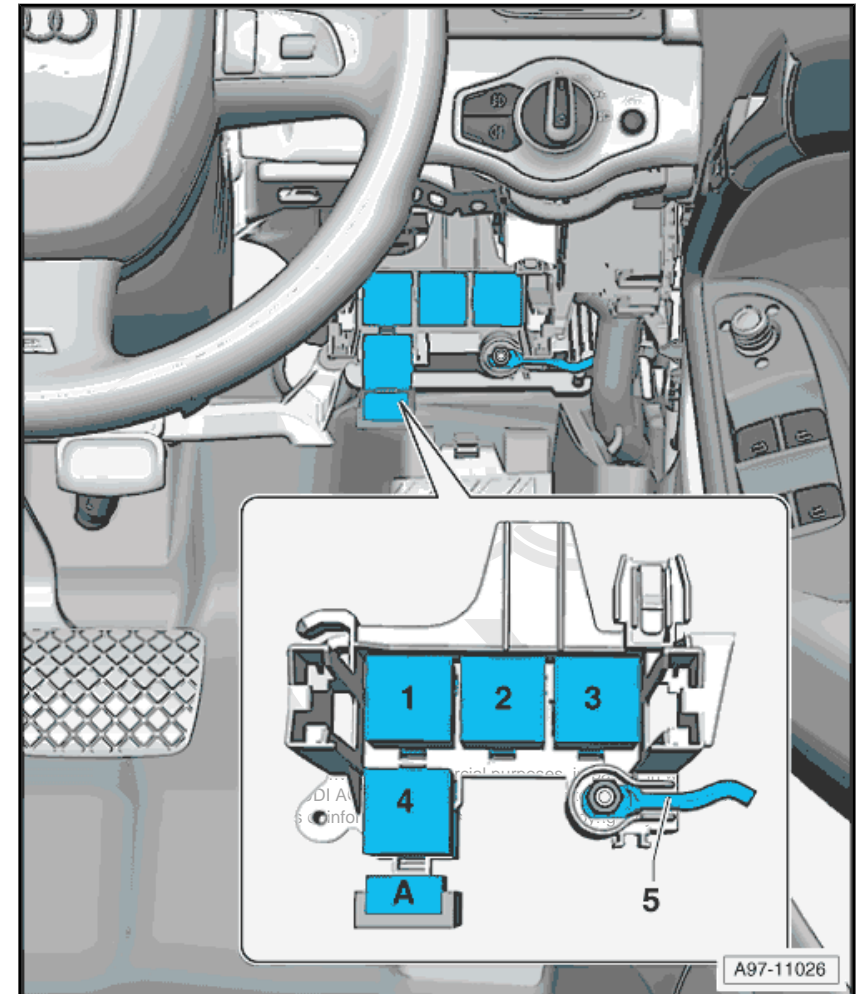
Below driver's instrument panel



Note

- ◆ Illustration shows models with right-hand drive.
- ◆ Illustration for models with left-hand drive ⇒ [page 14](#).

5 -  Threaded connection 1 (30) on relay panel





## 1.9 External Audio Source Connector -R199- as Audi Music Interface (AMI - MOST)

**Component Location:**

In glove compartment



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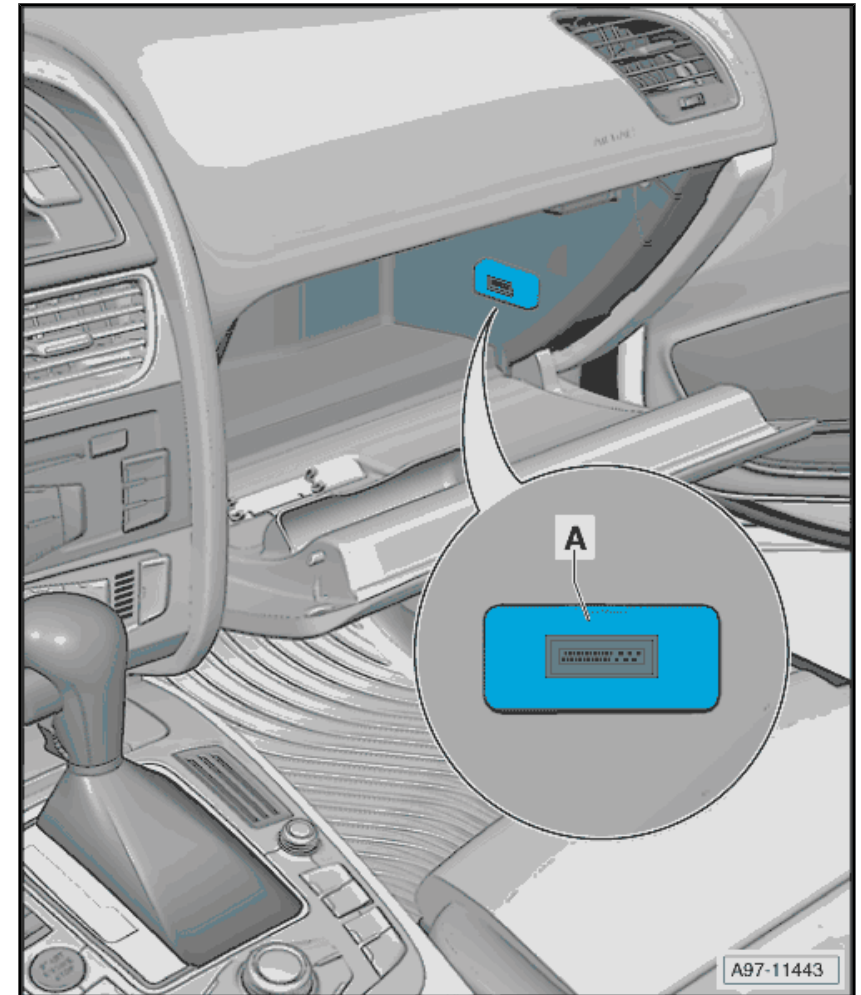
**Note**

*Only models with Audi Music Interface (AMI - MOST).*

**A - External Audio Source Connector -R199-**



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**1.10 External Audio Source Connector -R199- as Audi Music Interface (AMI - CAN)****Component Location:**

In glove compartment

**Note**

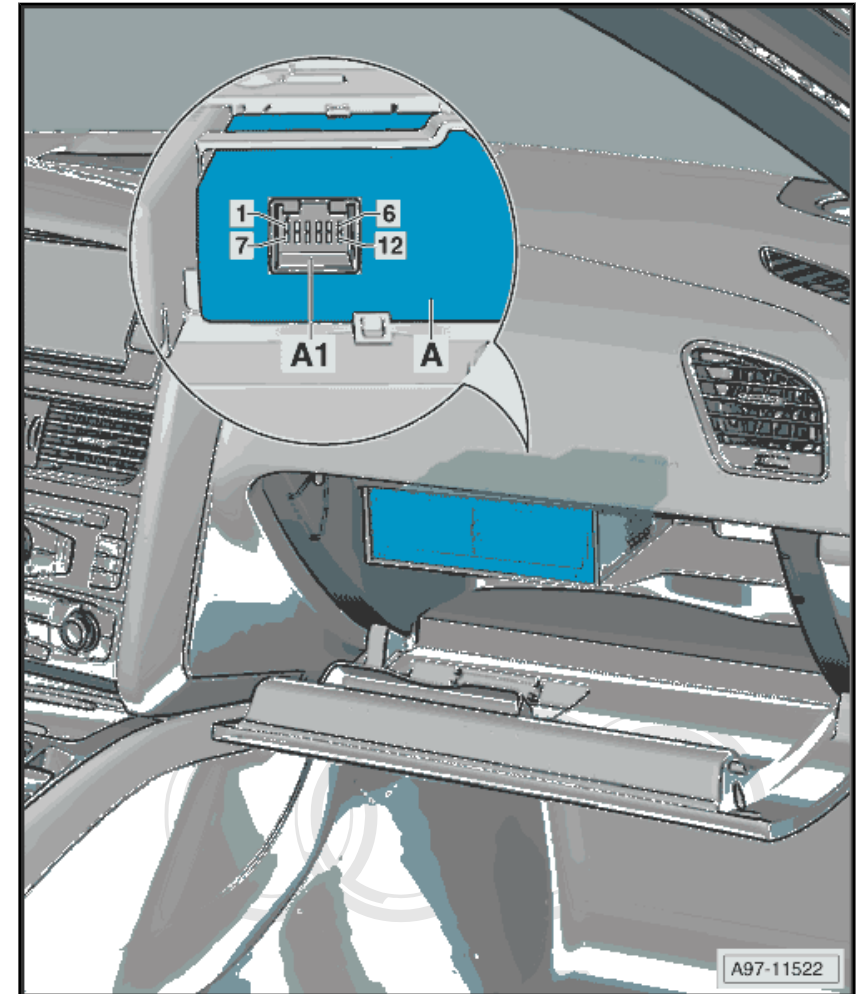
*Only models with Audi Music Interface (AMI - CAN).*



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A - External Audio Source Connector -R199-

A1 - 12-Pin Connector -T12t-



## 1.11 External Audio Source Connector -R199- as AUX-Connector

**Component Location:**

In the center console

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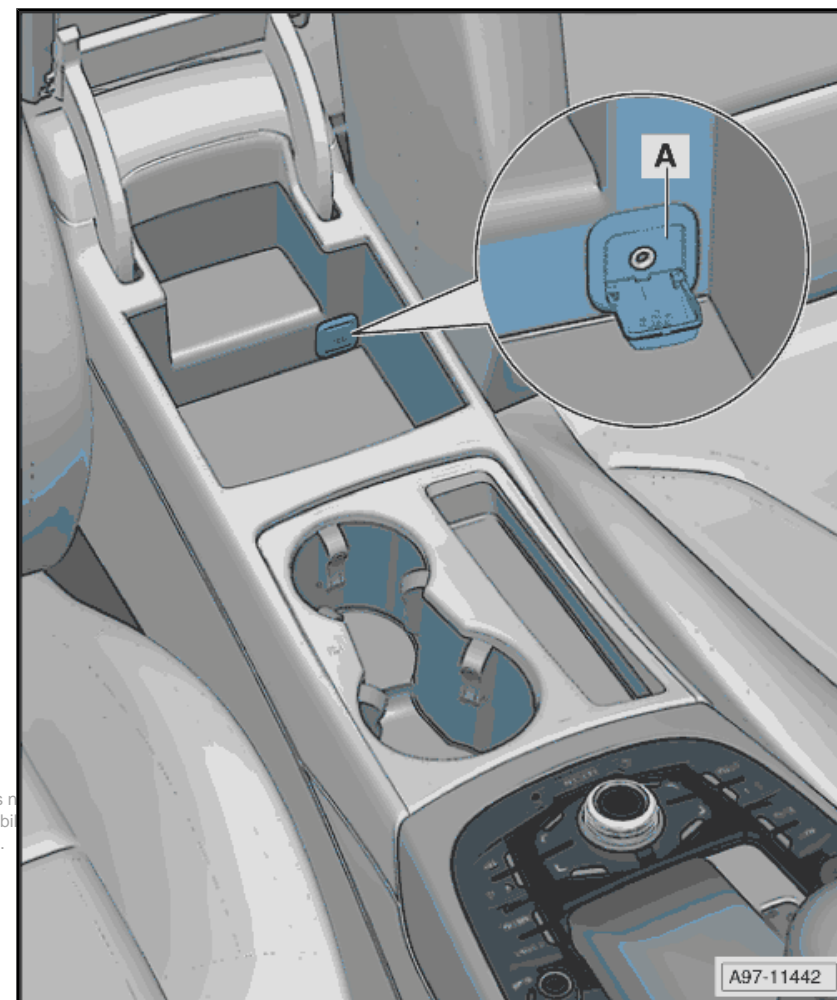
**Note**

*Only models with AUX-Connector.*

**A - External Audio Source Connector -R199-**



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## 1 Comp. Loc. A/C

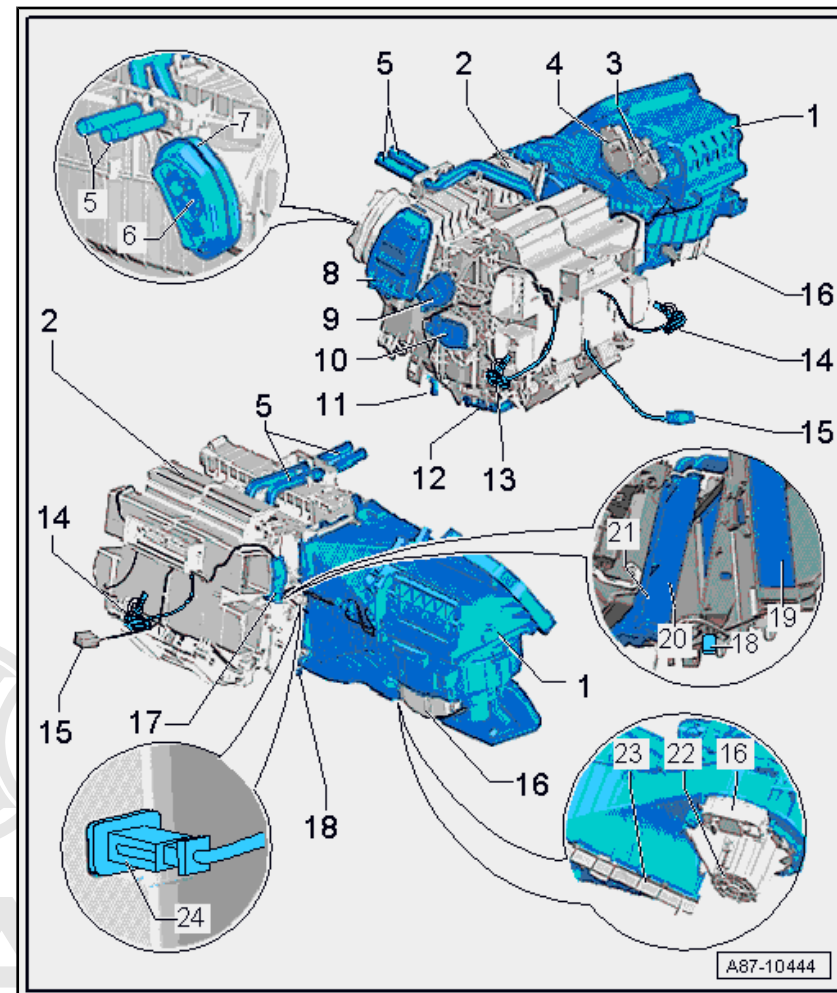
- ◆ ⇒ [“1.1 A/C Unit and Air Intake Housing Overview - Basic A/C System ”, page 1](#)
- ◆ ⇒ [“1.2 A/C Unit and Air Intake Housing Overview - Comfort A/C system ”, page 12](#)
- ◆ ⇒ [“1.3 A/C System Inside Passenger Compartment”, page 22](#)
- ◆ ⇒ [“1.4 A/C System Outside Passenger Compartment”, page 25](#)

### 1.1 A/C Unit and Air Intake Housing Overview - Basic A/C System



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- 1 - Air intake housing
- 2 - A/C with evaporator
- 3 - Recirculation Door Motor -V113- ⇒ [page 4](#)
- 4 - Air Flow Door Motor -V71- ⇒ [page 5](#)
- 5 - Coolant pipes to heater core
- 6 - Expansion valve
- 7 - Grommet
- 8 - Cover for the refrigerant pipes leading to the evaporator
- 9 - Defroster Door Motor -V107- ⇒ [page 6](#)
- 10 - Footwell Door Motor -V261- ⇒ [page 7](#)
- 11 - Flange for left condensate drain (driver side)
- 12 - Temperature Regulator Door Motor -V68- ⇒ [page 8](#)



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Cont.,

**13 - Footwell Outlet Temperature Sensor -G192- ⇒ [page 9](#)**

- ❑ Installed in the left footwell vent

**14 - Center Outlet Temperature Sensor -G191- ⇒ [page 10](#)**

**15 - Connection to the A/C control head climatronic control module -J255- on the A/C wiring harness**

**16 - Fresh Air Blower Control Module -J126-**

**17 - Center Vent Adjustment Motor -V102- ⇒ [page 11](#)**

**18 - Flange for right condensate drain (passenger side)**

**19 - Evaporator**

**20 - Heat exchanger for heater unit**

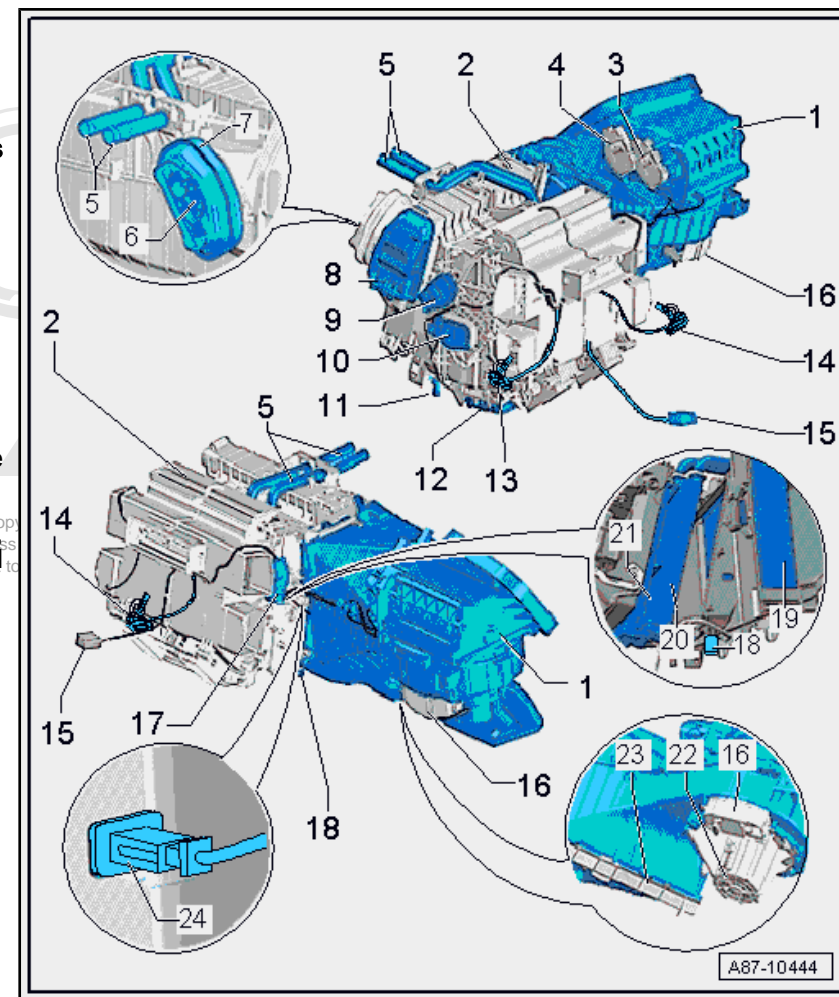
**21 - Auxiliary Air Heater Heating Element -Z35- /honeycomb**

- ❑ The auxiliary air heater heating element -Z35- is only installed on vehicles with a diesel engine
- ❑ Vehicles with gas engines have a honeycomb installed as a place holder
- ❑ On vehicles with a diesel engine and an optional parking heater installed as an auxiliary heater, there is no auxiliary air heater heating element -Z35- but rather there is a honeycomb installed (introduction open)

**22 - Fresh air blower -V2-**

**23 - Dust and pollen filter**

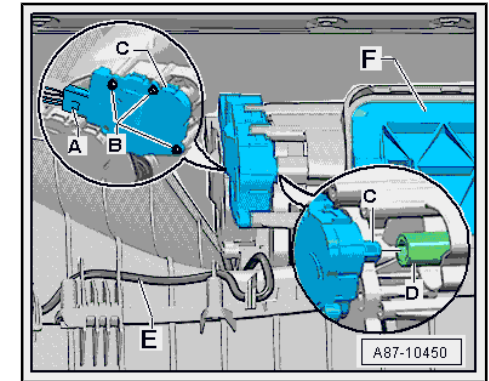
**24 - Evaporator Vent Temperature Sensor -G263-**





**Recirculation Door Motor**

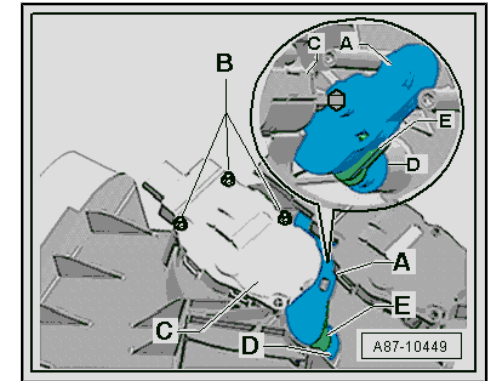
C - Recirculation Door Motor -V113-



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**Air Flow Door Motor**

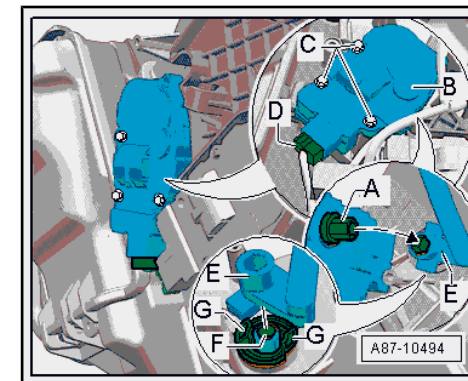
C - Air Flow Door Motor -V71-



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**Defroster Door Motor**

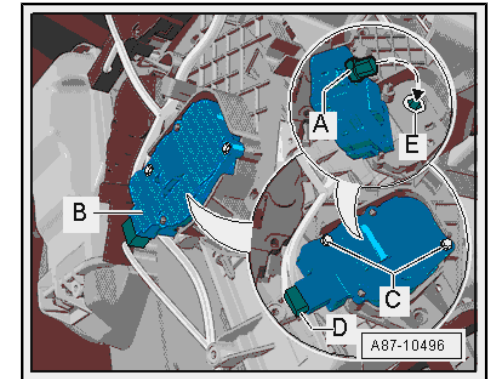
B - Defroster Door Motor -V107-



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Footwell Door Motor

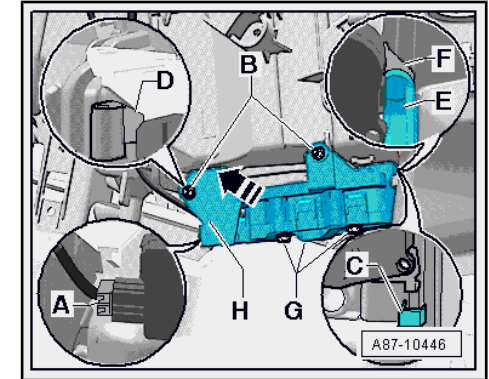
B - Footwell Door Motor -V261-



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## Temperature Regulator Door Motor

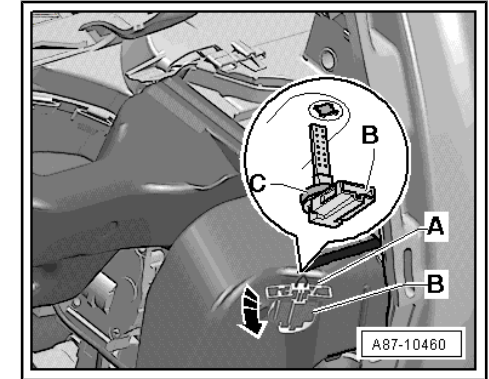
H - Temperature Regulator Door Motor -V68-



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**Footwell Outlet Temperature Sensor**

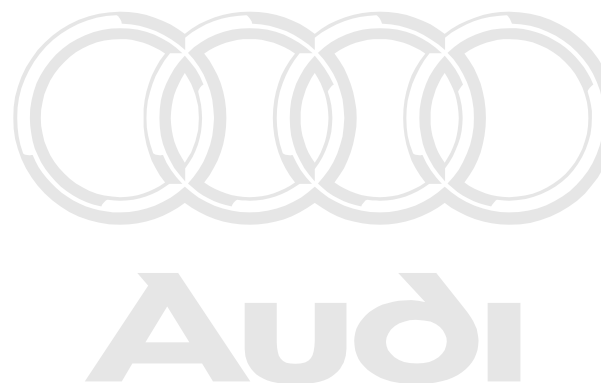
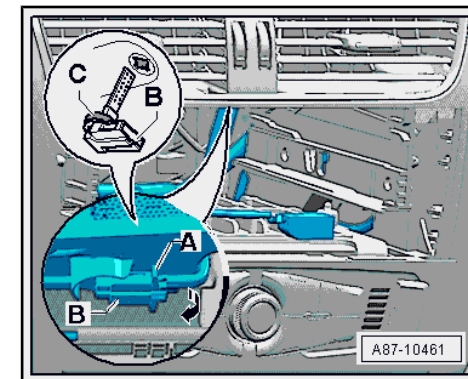
B - Footwell Outlet Temperature Sensor -G192-



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Center Outlet Temperature Sensor

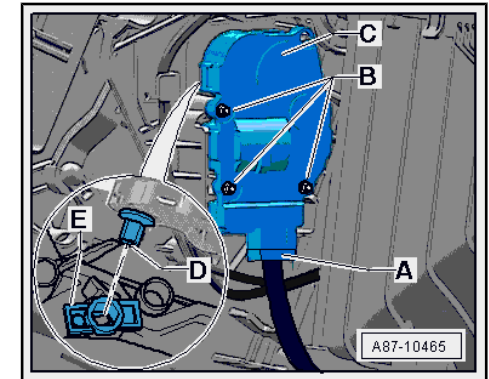
B - Center Outlet Temperature Sensor -G191-



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**Center Vent Adjustment Motor**

C - Center Vent Adjustment Motor -V102-

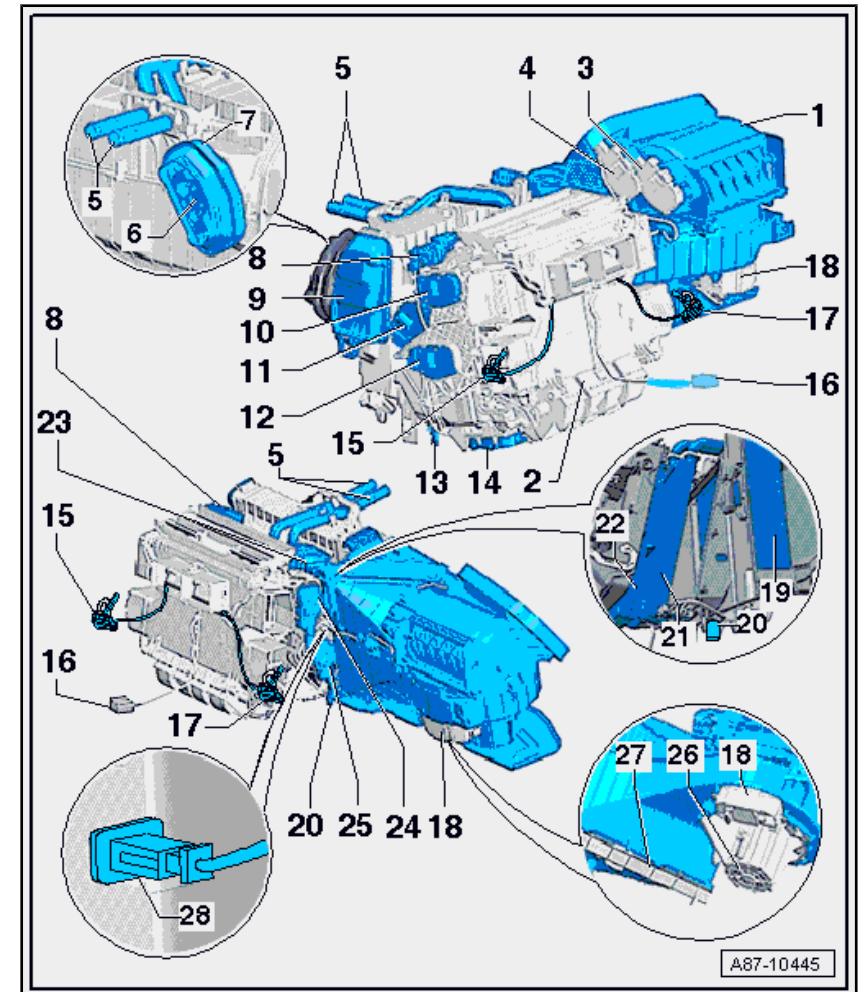


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## 1.2 A/C Unit and Air Intake Housing Overview - Comfort A/C system

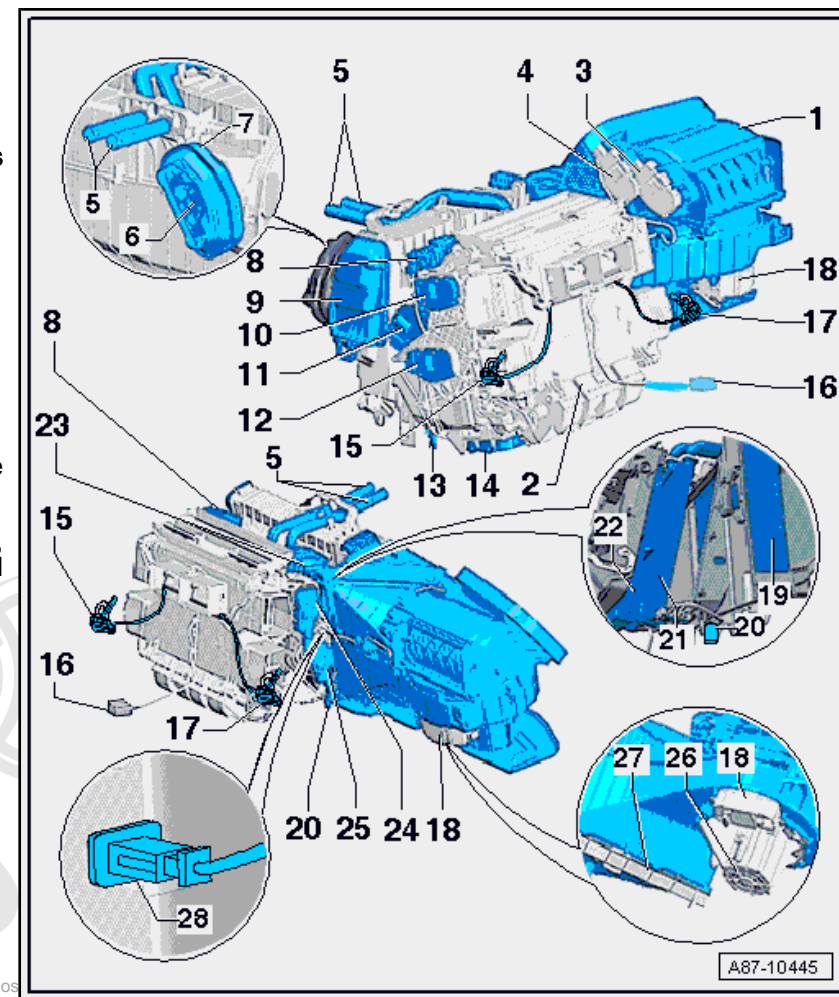
- 1 - Air intake housing
- 2 - A/C with evaporator
- 3 - Recirculation Door Motor -V113- [⇒ page 14](#)
- 4 - Air Flow Door Motor -V71- [⇒ page 15](#)
- 5 - Coolant pipes to heater core
- 6 - Expansion valve
- 7 - Grommet
- 8 - Left Temperature Door Motor -V158- [⇒ page 16](#)
- 9 - Cover for the refrigerant pipes leading to the evaporator
- 10 - Left Center Vent Motor -V110- [⇒ page 17](#)
- 11 - Defroster Door Motor -V107- [⇒ page 17](#)
- 12 - Left Footwell Door Motor -V108- [⇒ page 17](#)



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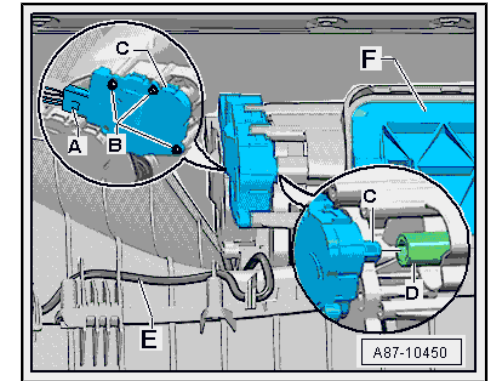
- 13 - Flange for left condensate drain (driver side)
- 14 - Rear Temperature Door Motor -V137- ➔ [page 17](#)
- 15 - Left Footwell Vent Temperature Sensor -G261- ➔ [page 18](#)
- 16 - Connection to the A/C control head climatronic control module -J255- on the A/C wiring harness
- 17 - Right Footwell Vent Temperature Sensor -G262- ➔ [page 19](#)
- 18 - Fresh Air Blower Control Module -J126-
- 19 - Evaporator
- 20 - Flange for right condensate drain (passenger side)
- 21 - Heat exchanger for heater unit
- 22 - Auxiliary Air Heater Heating Element -Z35- /honeycomb
  - ☐ The auxiliary air heater heating element -Z35- is only installed on vehicles with a diesel engine
  - ☐ Vehicles with gas engines have a honeycomb installed as a place holder
  - ☐ On vehicles with a diesel engine and an optional parking heater installed as an auxiliary heater, there is no auxiliary air heater heating element -Z35- but rather there is a honeycomb installed (introduction open)
- 23 - Right Temperature Door Motor -V159- ➔ [page 20](#)
- 24 - Right Center Vent Motor -V111- ➔ [page 21](#)
- 25 - Right Footwell Door Motor -V109- ➔ [page 21](#)
- 26 - Fresh air blower -V2-
- 27 - Dust and pollen filter
- 28 - Evaporator Vent Temperature Sensor -G263-



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**Recirculation Door Motor**

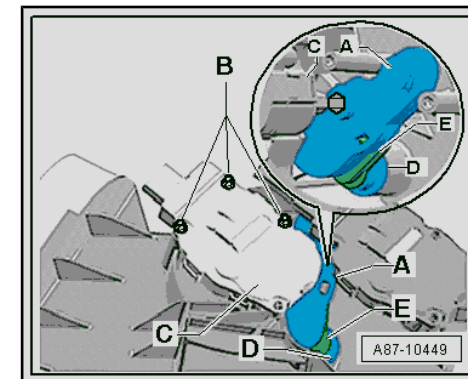
C - Recirculation Door Motor -V113-



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**Air Flow Door Motor**

C - Air Flow Door Motor -V71-



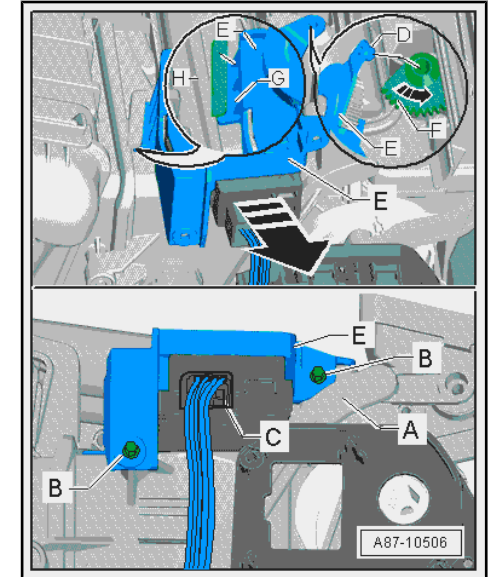
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## Left Temperature Door Motor

E - Left Temperature Door Motor -V158-



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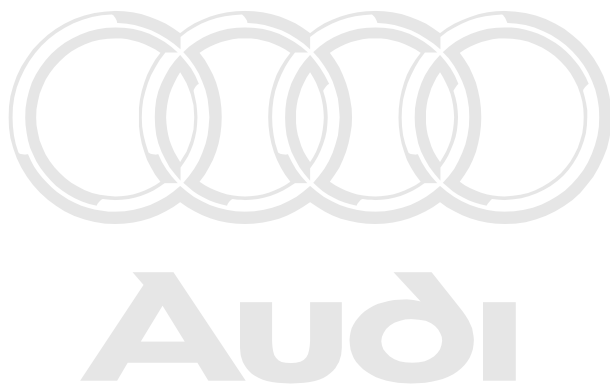
**Left Footwell Door and Center Vent Motor**

A - Left Center Vent Motor -V110- - Connector

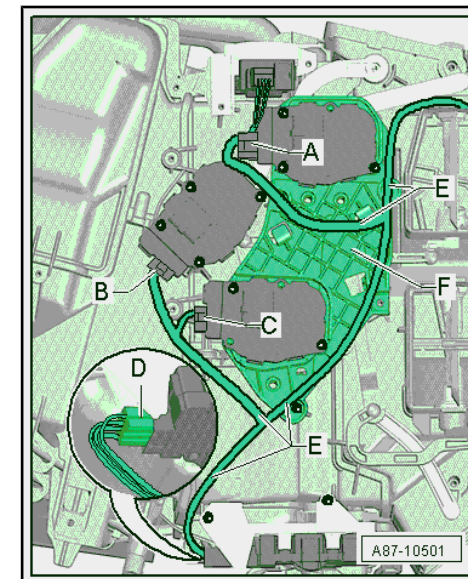
B - Defroster Door Motor -V107- - Connector

C - Left Footwell Door Motor -V108-

D - Rear Temperature Door Motor -V137-

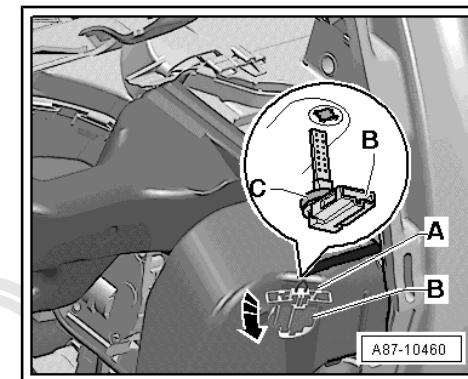


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**Left Footwell Vent Temperature Sensor**

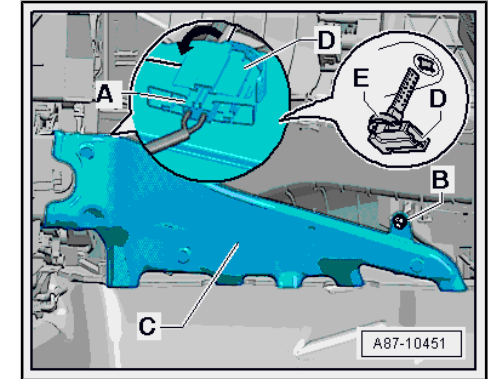
B - Left Footwell Vent Temperature Sensor -G261-



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**Right Footwell Vent Temperature Sensor**

D - Right Footwell Vent Temperature Sensor -G262-

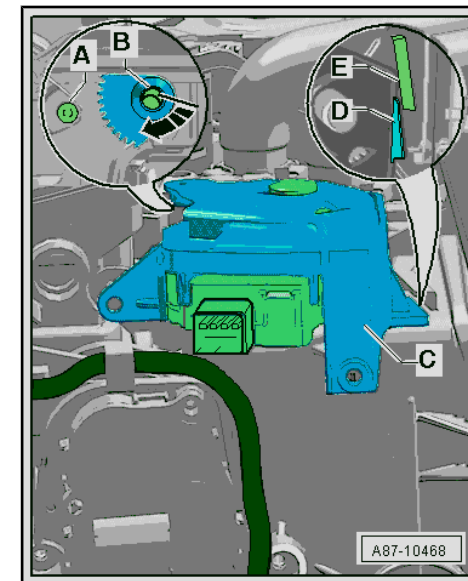


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**Right Temperature Door Motor**

C - Right Temperature Door Motor -V159-



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### Right Footwell Door and Right Center Vent Motor

A - Right Center Vent Motor -V111- - Connector

B - Right Footwell Door Motor -V109- - Connector



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## 1.3 A/C System Inside Passenger Compartment

### Left Side Components

#### 1 - Left seat (driver's seat) with seat heating and seat ventilation components

- ◆ Left Front Seat Temperature Sensor -G344- with Driver Seat Side Bolster Heater -Z31- and Driver Seat Heating Element -Z6-

- ◆ Left Front Heated Seat -Z45- and seat ventilation

#### 2 - Left condensation water drain (driver side)

#### 3 - Accelerator mechanism

#### 4 - Diagnostic socket

#### 5 - Vehicle Electrical System Control Module -J519-

#### 6 - Left Front Upper Body Outlet Temperature Sensor -G385-

#### 7 - Defroster vent/left side window

#### 8 - Instrument panel vent, left

#### 9 - Instrument Cluster Control Module -J285-

- With Outside Air Temperature Display -G106- in the driver information system

#### 10 - Front Information Display Control Head -J685-

- Multi Media Interface (MMI) display

#### 11 - Humidity Sensor -G355-

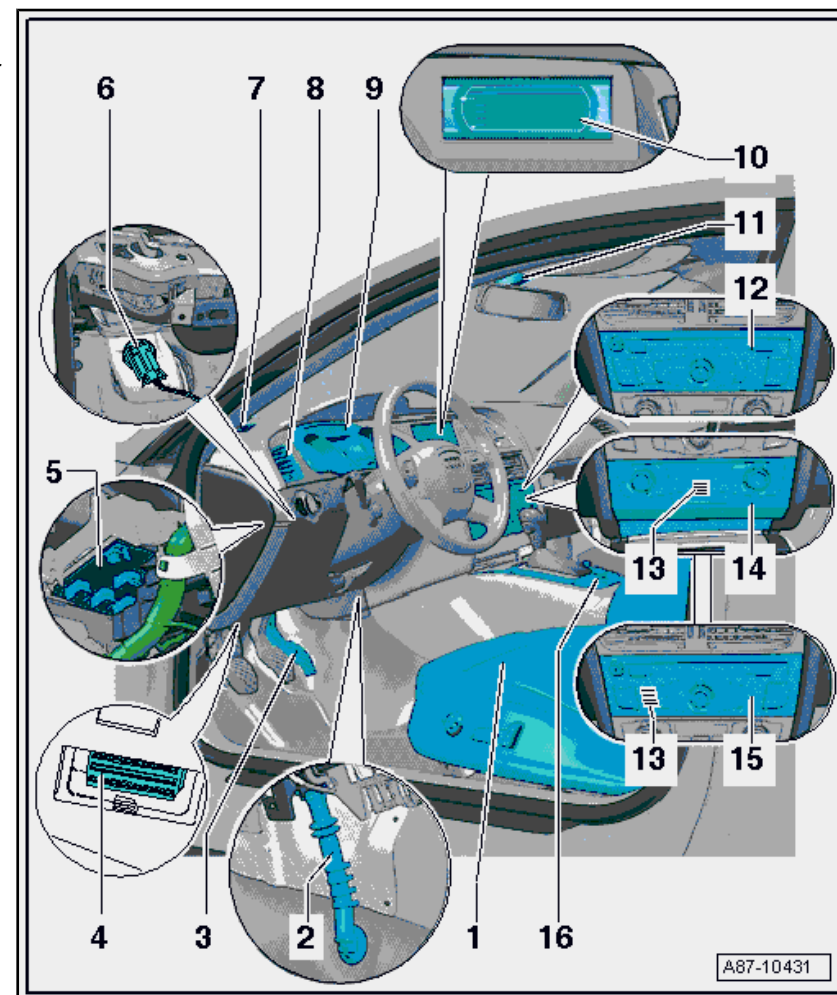
#### 12 - Radio -R-

#### 13 - Interior Temperature Sensor Fan -V42- and Instrument Panel Interior Temperature Sensor -G56-

- The instrument panel interior temperature sensor -G56- is integrated in the Climatronic Control Module -J255-
- Installed in the A/C control head climatronic control module -J255-

#### 14 - Climatronic Control Module -J255- - Basic A/C System

- The instrument panel interior temperature sensor -G56- is integrated in the climatronic control



module -J255-

- ☐ Interior temperature sensor fan -V42- is installed in A/C control head climatronic control module -J255-

#### **15 - Climatronic Control Module -J255- - Comfort A/C System**

- ☐ Instrument panel interior temperature sensor -G56- is integrated in A/C control head climatronic control module -J255-
- ☐ Interior temperature sensor fan -V42- is installed in A/C control head climatronic control module -J255-

#### **16 - Multimedia Control Head -E380-**

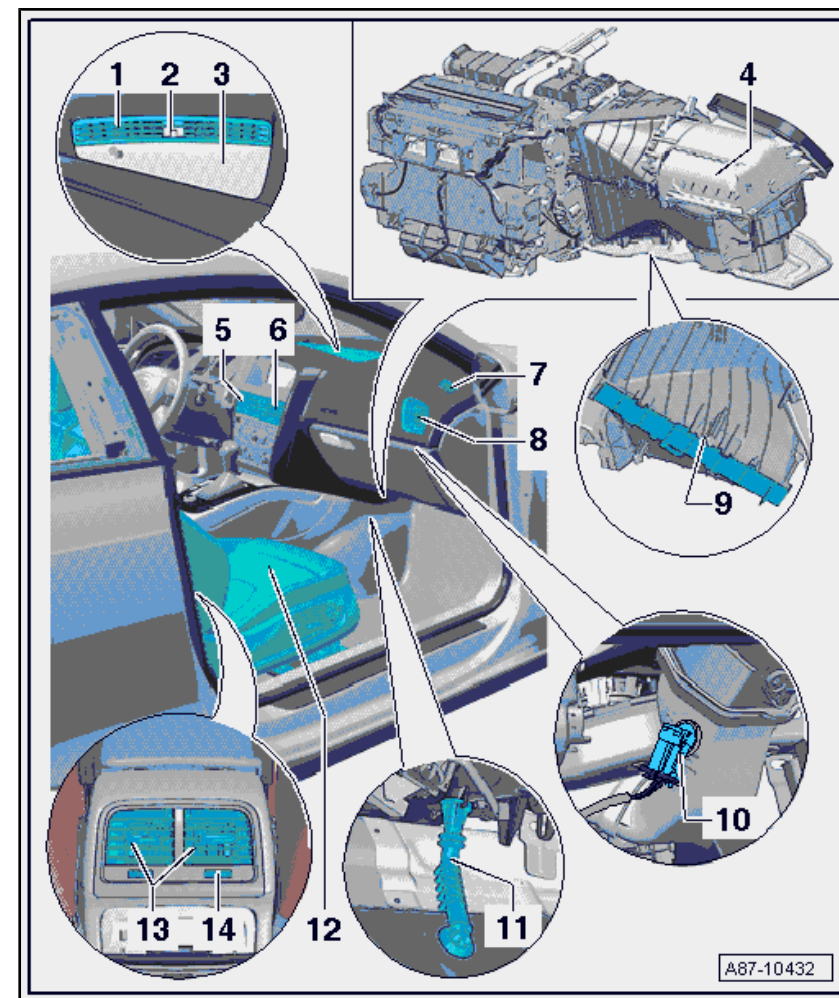
- ☐ Depending on the vehicle equipment level, instead of a multimedia control head -E380- a radio -R- may be installed



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## Right Side Components

- 1 - Defroster vent/front window
- 2 - Sunlight Photo Sensor -G107-
- 3 - Vents for indirect ventilation/loudspeaker cover
  - ❑ Located center of the instrument panel
- 4 - A/C unit with evaporator and add-on components
- 5 - Left center instrument panel vent
- 6 - Right center instrument panel vent
- 7 - Defroster vent/right side window
- 8 - Instrument panel vent, right
- 9 - Dust and pollen filter (with or without activated charcoal filter element)
- 10 - Right Front Upper Body Outlet Temperature Sensor -G386-
  - ❑ Installed only in the comfort A/C system
- 11 - Right condensation water drain (front passenger side)
- 12 - Right seat (passenger seat) with seat heating and seat ventilation components
  - ◆ Right Front Seat Temperature Sensor -G345- with Front Passenger Seat Side Bolster Heater -Z33- and Front Passenger Seat Heating Element -Z8-
  - ◆ Right Front Heated Seat -Z46-
- 13 - Vent in center console, rear
- 14 - Rear Temperature Selection Potentiometer -G538-
  - ❑ Installed only in the comfort A/C system



## 1.4 A/C System Outside Passenger Compartment

### Vehicle Exterior Components



#### Note

*The following illustration shows the location of the components on an Audi A5 Coupé; the Audi Q5 location of the components varies slightly. The description of the components is not different; removing and installing is performed in the same way as on the Audi A5 Coupé*

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**1 - Heated Rear Window -Z1-**

**2 - Comfort System Central Control Module -J393-**

**3 - Label**

- ☐ With specifications for type of refrigerant and designated fill capacity

**4 - Water drains of plenum chamber**

**5 - Coolant shut off valve**

- ☐ Only on vehicles with a 6 cylinder gas engine.
- ☐ If a parking heater is installed on vehicles as optional equipment, then there is not shut off valve installed, Engine Coolant (EC) Switch-Off Valve (heater) -N279- is installed and Recirculation Pump -V55-

**6 - Climatronic Refrigerant Shut-Off Valve -N422-**

- ☐ Installed near the cylinder head
- ☐ Only on vehicles with a 6 cylinder gas engine.
- ☐ Vehicles with these engines and an auxiliary heater do not have this valve -N422- installed Engine Coolant (EC) Switch-Off Valve (heater) -N279- performs the function of the auxiliary heater

**7 - Outside Air Temperature Sensor -G17-**

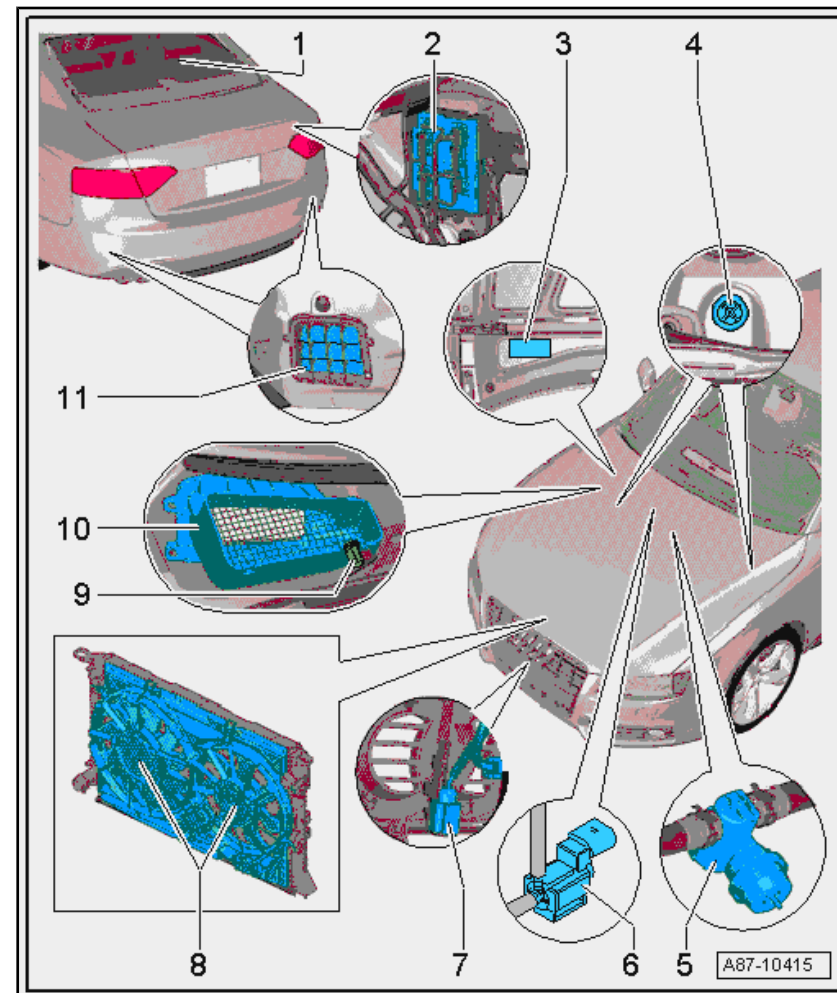
**8 - Coolant Fan -V7- and Coolant Fan 2 -V177-**

**9 - Air Quality Sensor -G238-**

- ☐ Installed only in the comfort A/C system

**10 - Fresh air intake with intake grille**

**11 - Forced air extractor**





Vehicle Underhood Components

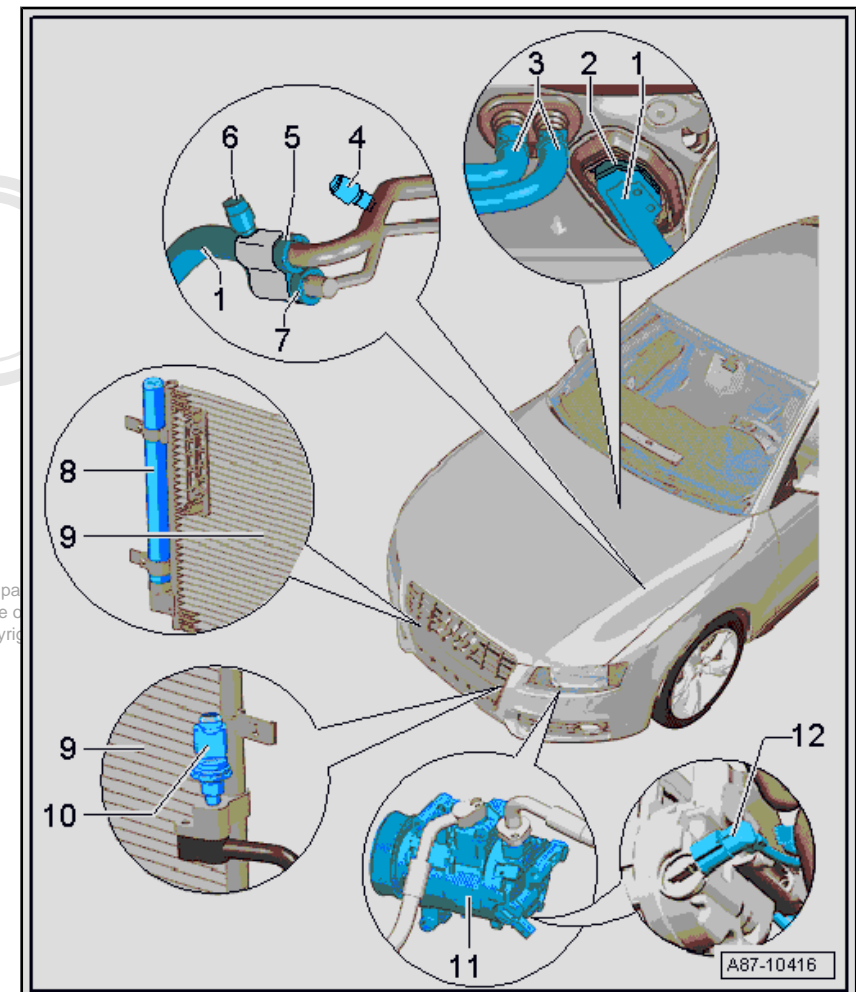


**Note**

*The following illustration shows the location of the components on an Audi A5 Coupé; the Audi Q5 location of the components varies slightly. The description of the components is not different; removing and installing is performed in the same way as on the Audi A5 Coupé*

- 1 - Refrigerant line with inner heat exchanger
- 2 - Expansion valve
- 3 - Coolant pipes to the heat exchanger for A/C heating
- 4 - Service connection - low pressure side
- 5 - Refrigerant line quick acting coupling - low pressure side
- 6 - Service connection - high pressure side
- 7 - Refrigerant line quick acting coupling - high pressure side
- 8 - Fluid reservoir
- 9 - Condenser
- 10 - A/C Pressure/Temperature Sensor -G395-
- 11 - Compressor
- 12 - A/C Compressor Regulator Valve -N280-

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# 1 Comp. Loc. ABS

- ◆ ABS/Electronic Stabilization Program Component Overview [⇒ page 1](#)
- ◆ Brake Light Switch, Brake Pedal Position Sensor and Clutch Position Sensor [⇒ page 11](#)

## 1.1 ABS/Electronic Stabilization Program Component Overview

Component A and B are not shown in the overview

### A - ESP Sensor Unit 2 -G536-

- Located under the left seat by the ESP Sensor Unit -G419- [⇒ page 5](#)

### B - Brake Fluid Level Warning Switch -F34-

- Located in the master cylinder reservoir

### 1 - Right Rear ABS Wheel Speed Sensor -G44- [⇒ page 6](#)

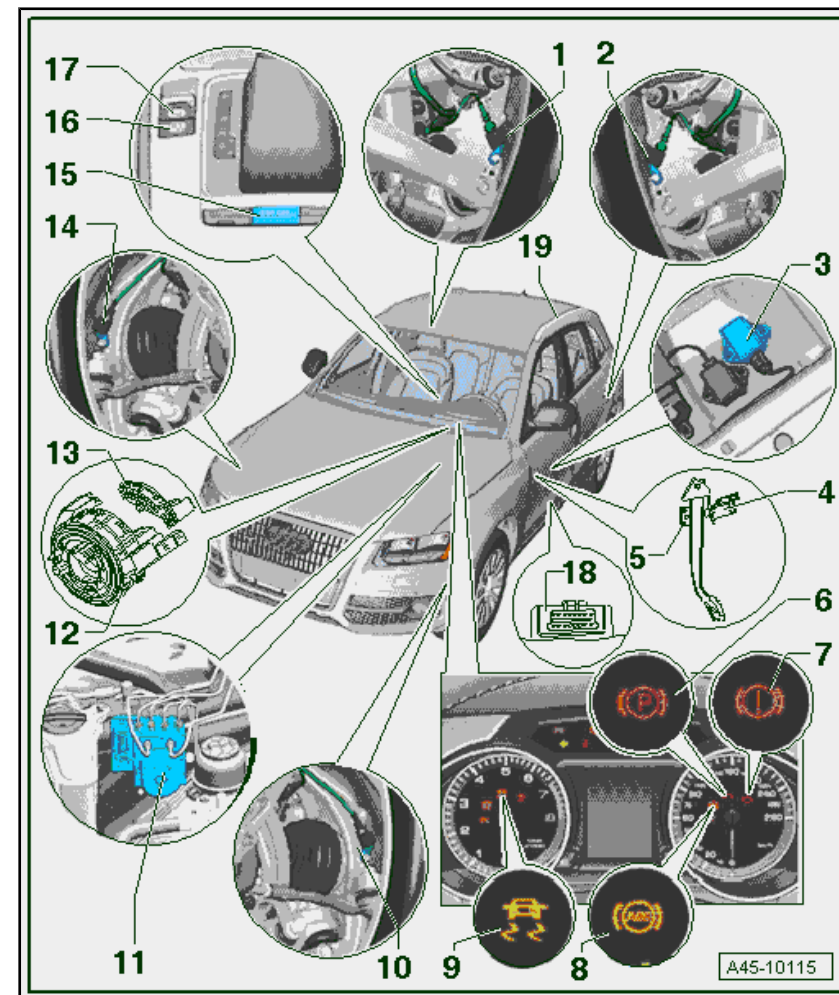
### 2 - Left Rear ABS Wheel Speed Sensor -G46- [⇒ page 6](#)

### 3 - ESP Sensor Unit -G419-

- Located under the left seat by the ESP Sensor Unit 2 -G536-

ESP Sensor Unit -G419- is integrated with the following: [⇒ page 5](#)

- ◆ Transverse Acceleration Sensor -G200-
- ◆ Rotation Rate Sensor -G202-
- ◆ Longitudinal Acceleration Sensor -G251-



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### 4 - Brake Light Switch -F-

- ☐ Integrated with Brake Pedal Switch -F47-
- ☐ Located on the brake pedal

### 5 - Brake pedal

- ☐ With bracket for the Brake Light Switch -F-

### 6 - Electro-Mechanical Parking Brake Indicator Lamp

- ☐ Located in the tachometer

### 7 - Brake system warning lamp

- ☐ Located in the tachometer

### 8 - ABS warning lamp

- ☐ Located in the tachometer
- ☐ The indicator lamp monitors the ABS and the Electronic Differential Lock (EDL)

### 10 - Left Front ABS Wheel Speed Sensor -G47- → [page 7](#)

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Cont.,

**11 - ABS Control Module -J104- with ABS Hydraulic Unit -N55-**

- ☐ Located on the left of the engine compartment
- ☐ The components must not be separated from each other

The hydraulic control unit includes the following:

- ◆ ABS Hydraulic Unit -N55- with Brake Pressure Sensor 1 -G201-
- ◆ ABS Control Module -J104- with ABS Hydraulic Pump -V64-
- ◆ Valve block (contains the inlet/outlet valves).

**12 - Airbag Spiral Spring/Return Spring With Slip Ring -F138-**

- ☐ Installed on the steering column with the slip ring ⇒ [page 8](#)

**13 - Steering Angle Sensor -G85- ⇒ [page 8](#)**

**14 - Right Front ABS Wheel Speed Sensor -G45- ⇒ [page 7](#)**

**15 - ASR/ESP Button -E256-**

- ☐ Location of the switch depends on the model

**16 - Audi Hold Assist pressure switch**

- ☐ Located in the center console

**17 - Parking Brake Pressure Switch -F234-**

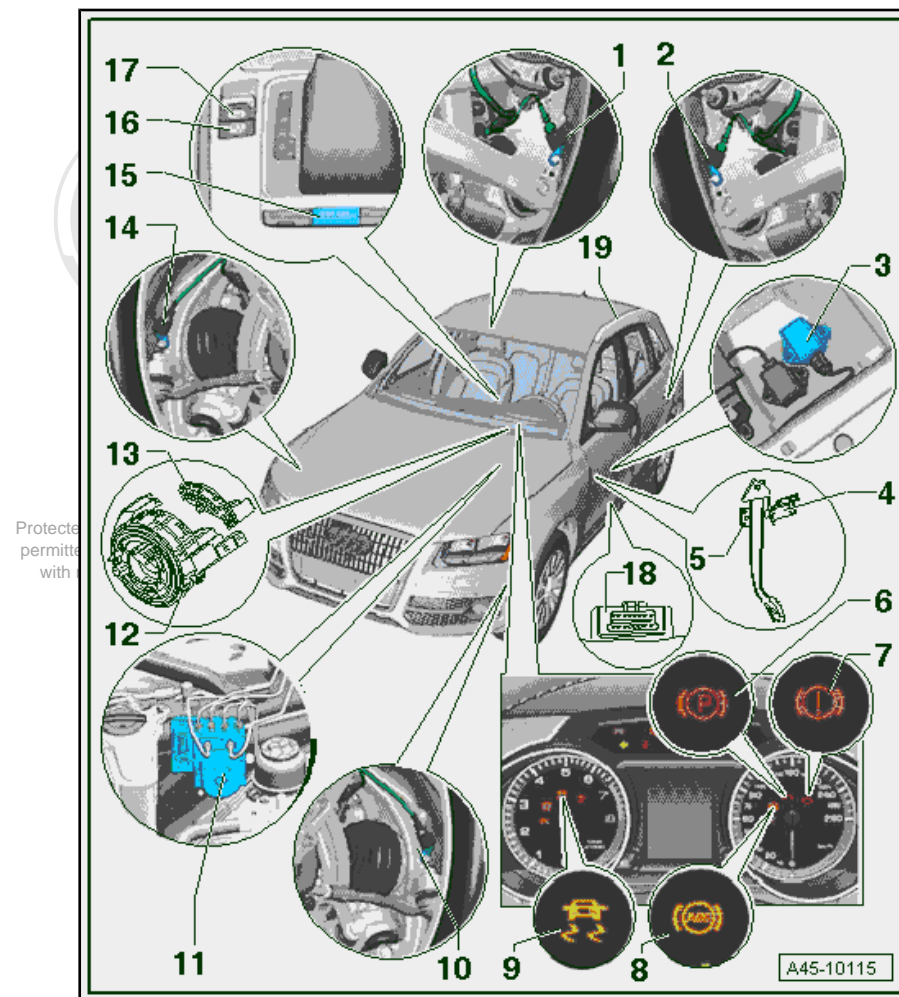
- ☐ Located in the center console

**18 - Data Link Connector (DLC)**

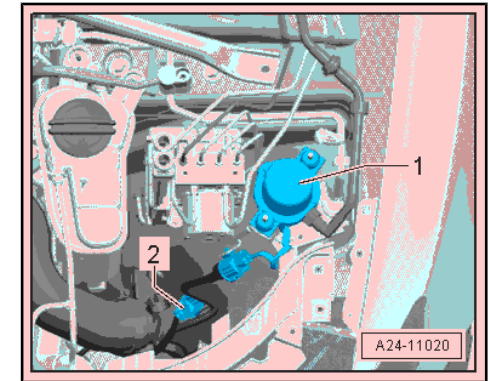
- ☐ Located in the driver footwell

**19 - Roof Rack Recognition Sensor -G625-**

- ☐ The roof rack recognition sensor -G625- is always installed in the left roof railing ⇒ [page 9](#)
- ☐ The sensor cannot be replaced by itself. It is part of the left roof railing



- 1 - Brake booster vacuum pump -V469-
- 2 - Connector for Brake booster vacuum pump -V469-

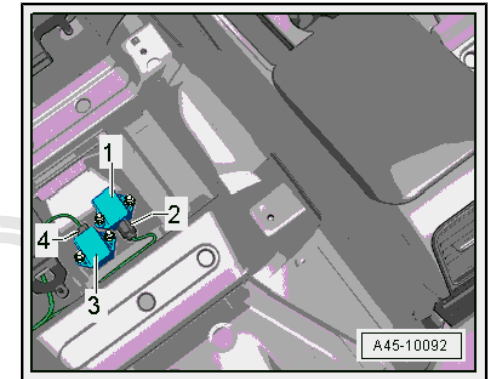


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**ESP Sensor Unit**

1 - ESP Sensor Unit -G419-

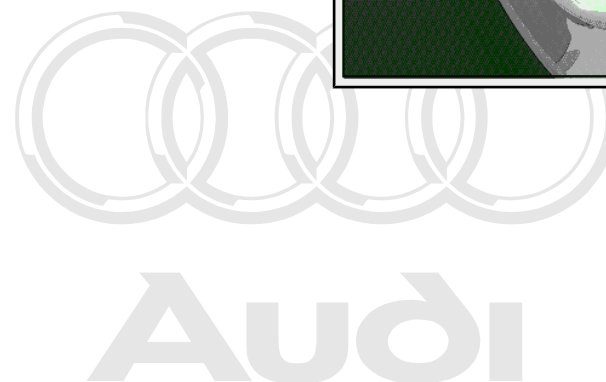
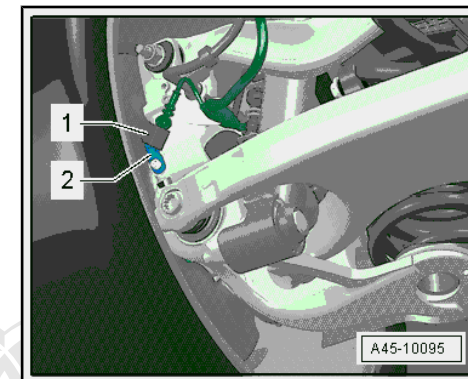
3 - ESP Sensor Unit 2 -G536-



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**Rear Wheel Speed Sensors**

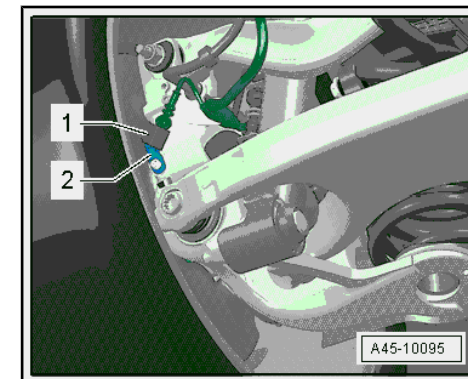
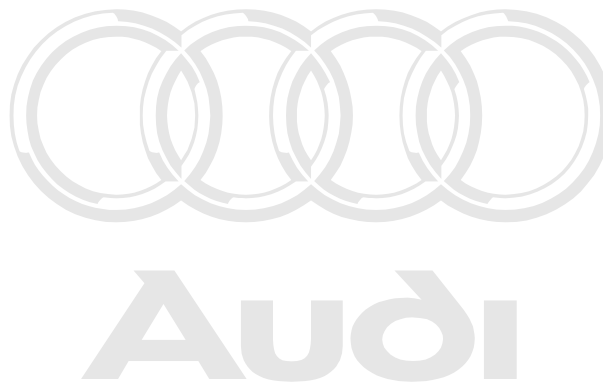
1 - Right Rear ABS Wheel Speed Sensor -G44- and Left Rear  
ABS Wheel Speed Sensor -G46-



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**Front Wheel Speed Sensors**

1 - Left Front ABS Wheel Speed Sensor -G47- and Right Front  
ABS Wheel Speed Sensor -G45-



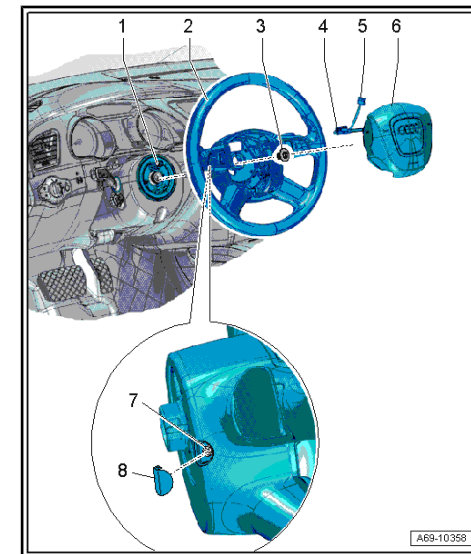
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### Steering Angle Sensor

1 - Steering Column Electronic Systems Control Module -J527-

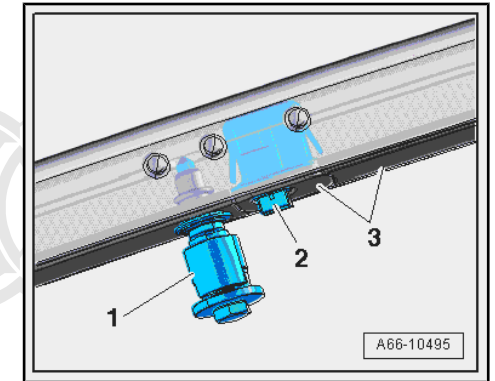
With the Airbag Spiral Spring/Return Spring With Slip Ring  
-F138- and Steering Angle Sensor -G85-



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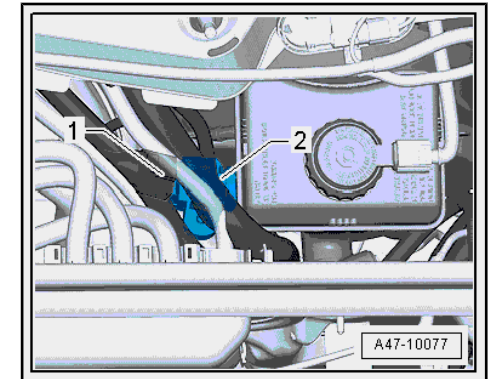
**Roof Rack Recognition Sensor**

2 - Roof Rack Recognition Sensor -G625-



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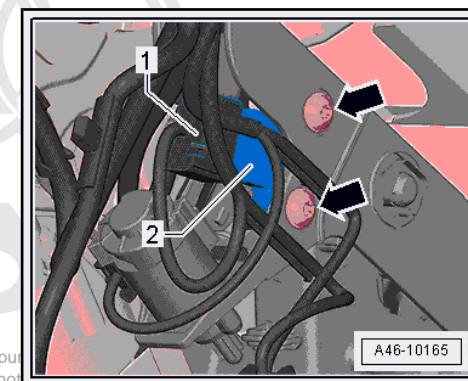
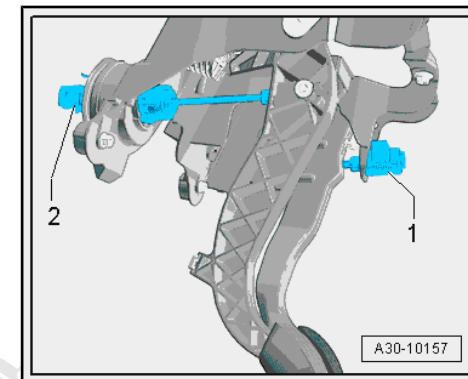
**Brake booster pressure sensor -G294-**



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## 1.2 Brake Light Switch, Brake Pedal Position Sensor and Clutch Position Sensor

- 1 - Brake Light Switch -F- and Brake Pedal Switch -F47-
- 2 - Clutch Position Sensor -G476-
  - Integrated with Clutch Pedal Starter Interlock Switch -F194- and Clutch Pedal Switch -F36-
  - Only for vehicles with manual transmission
- 2 - Brake pedal position sensor -G100-
  - Located on steering column/brake pedal support in drivers footwell under instrument panel



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# 1 Comp. Loc. ACCESS

## 1.1 Access/Start Authorization System Assembly Overview

### 1 - Steering Column

### 2 - Electronic Steering Column Lock Control Module -J764-

### 3 - Access/Start Authorization Switch -E415-

- ❑ Located in the instrument panel, driver side

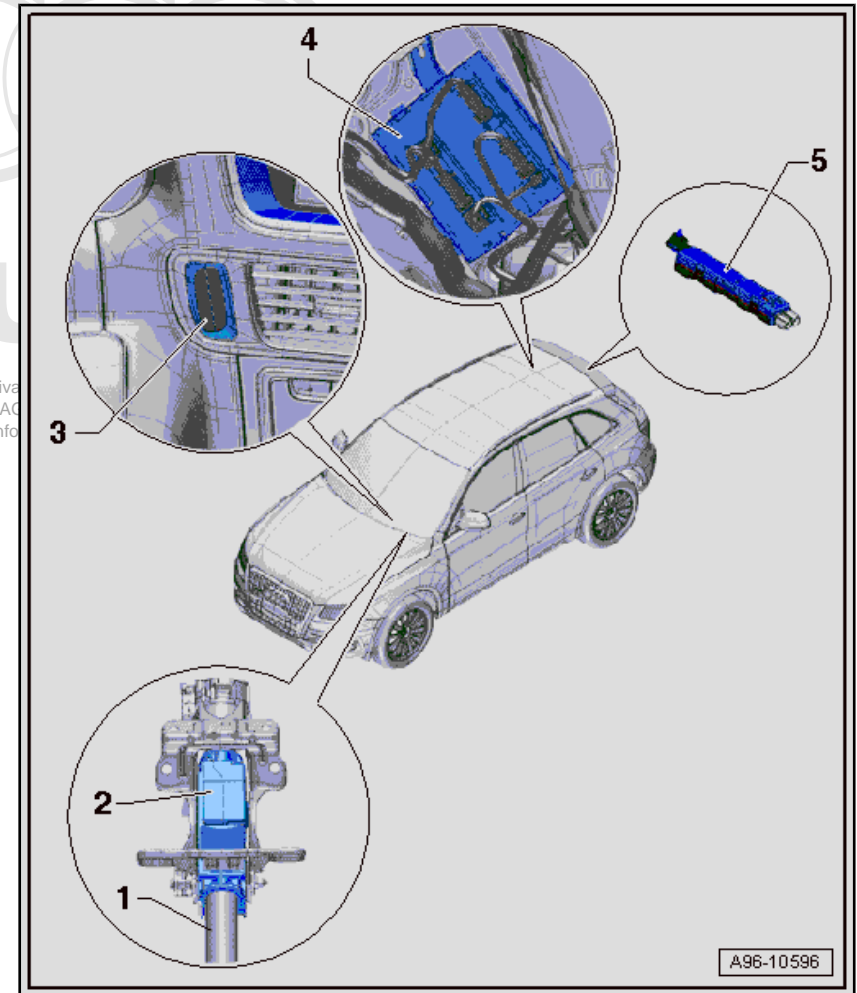
### 4 - Comfort System Central Control Module -J393-

- ❑ Located behind the right luggage compartment trim panel

### 5 - Antenna Amplifier -R24-

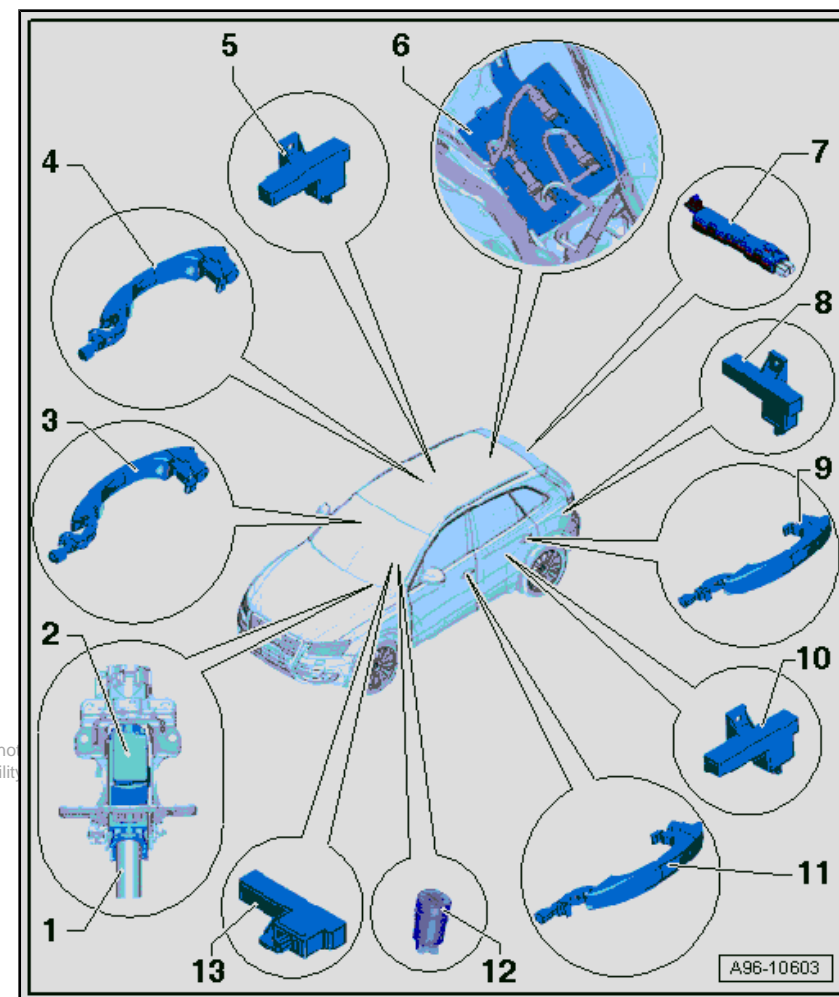
- ❑ With Central Locking and Anti-Theft Alarm System Antenna -R47-
- ❑ Attached to the rear lid

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## 1.2 Keyless Access System Assembly Overview

- 1 - Steering Column
- 2 - Electronic Steering Column Lock Control Module -J764-
- 3 - Right Front Outside Door Handle Touch Sensor -G606-
  - ❑ Located at the passenger side outside door handle
- 4 - Right Rear Outside Door Handle Touch Sensor -G418-
  - ❑ Located at the right rear passenger side exterior door handle
- 5 - Right Access/Start Authorization Antenna -R201-
  - ❑ Located on the right rear door
- 6 - Comfort System Central Control Module -J393-
  - ❑ Located behind the right luggage compartment trim panel
- 7 - Antenna Amplifier -R24-
  - ❑ With Central Locking and Anti-Theft Alarm System Antenna -R47-
  - ❑ Attached to the rear lid
- 8 - Luggage Compartment Access/Start Authorization Antenna -R137-
  - ❑ Located in the left luggage compartment rear lid end panel
- 9 - Left Rear Outside Door Handle Touch Sensor -G417-
  - ❑ Located at the left rear passenger side exterior door handle
- 10 - Left Access/Start Authorization Antenna -R200-
  - ❑ Located on the left rear door
- 11 - Left Front Outside Door Handle Touch Sensor -G605-
  - ❑ Located at the driver side outside door handle
- 12 - Access/Start Authorization Button -E408-
  - ❑ MMI Basic installation location: In the center console cover
  - ❑ MMI Comfort installation location: In installation frame for Multimedia Control Head -E380-
- 13 - Interior Access/Start Authorization Antenna 1 -R138-
  - ❑ Located beneath the front center console





### 1 Comp. Loc. Airbag

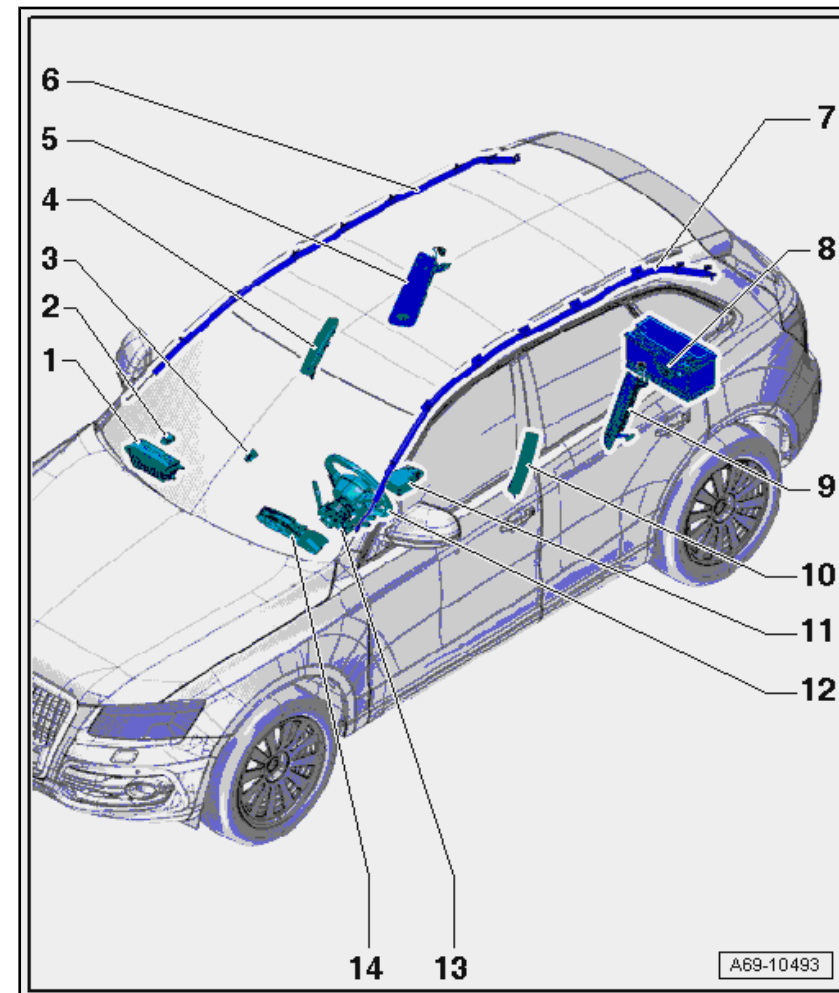
- ◆ Airbag Component Locations ⇒ [page 1](#)
- ◆ Airbag Crash Sensors Overview ⇒ [page 9](#)
- ◆ Passive Occupant Detection System ⇒ [page 10](#)
- ◆ Seat Belt Tensioners ⇒ [page 15](#)

#### 1.1 Airbag Component Locations



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- 1 - Front Passenger Airbag Igniter 1 -N131- and Front Passenger Airbag Igniter 2 -N132-  
⇒ [page 3](#)
- 2 - Front Passenger Airbag -Off- Key Switch -E224-
  - ❑ Not for North American Market
- 3 - Front Passenger Airbag Disabled Indicator Lamp -K145-
  - ❑ Located in a shared housing with the emergency flasher button -E229-
- 4 - Front Passenger Side Airbag Igniter -N200- ⇒ [page 4](#)
- 5 - Rear Passenger Side Airbag (front Passenger side) Igniter -N202- ⇒ [page 5](#)
- 6 - Front Passenger Side Curtain Airbag Igniter -N252-
- 7 - Driver Side Curtain Airbag Igniter -N251-
- 8 - Battery Interrupt Igniter -N253- ⇒ [page 6](#)
- 9 - Rear Passenger Side Airbag (Driver side) Igniter -N201- ⇒ [page 5](#)
- 10 - Driver Side Airbag Igniter -N199- ⇒ [page 4](#)
- 11 - Airbag Control Module -J234- ⇒ [page 7](#)
- 12 - Driver Airbag Igniter -N95- and Driver Airbag Igniter 2 -N250- ⇒ [page 8](#)
- 13 - Steering Column Electronic Systems Control Module -J527- ⇒ [page 8](#)
  - ❑ With Airbag Spiral Spring/Return Spring With Slip Ring -F138- and Steering Angle Sensor -G85-
- 14 - Airbag Malfunction Indicator Lamp (MIL) -K75-
  - ❑ Location in the instrument cluster

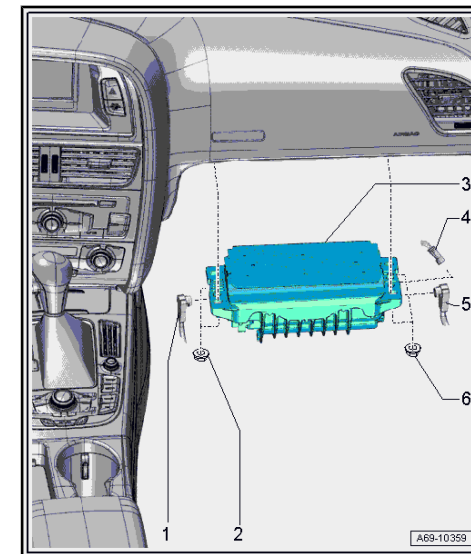




## Passenger Airbag Assembly Overview

### 3 - Passenger Airbag

- ◆ With Front Passenger Airbag Igniter 1 -N131- and Front Passenger Airbag Igniter 2 -N132-

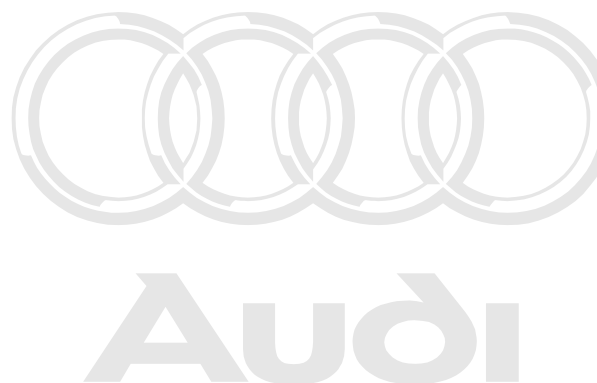
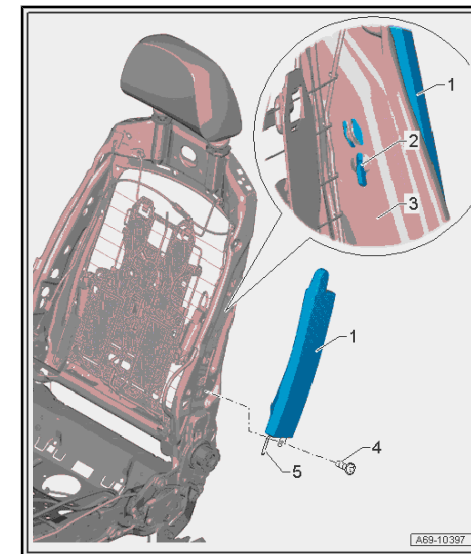


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### Front Side Airbag Assembly Overview

1 - Front side airbag

- ◆ With Driver Side Airbag Igniter -N199-
- ◆ With Front Passenger Side Airbag Igniter -N200-

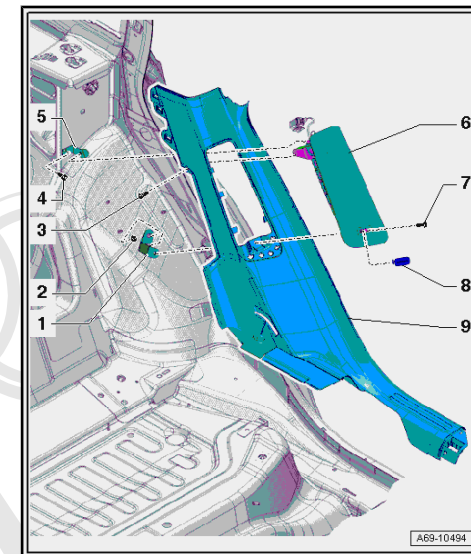


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## Rear Side Airbag Assembly Overview

6 - Rear side airbag

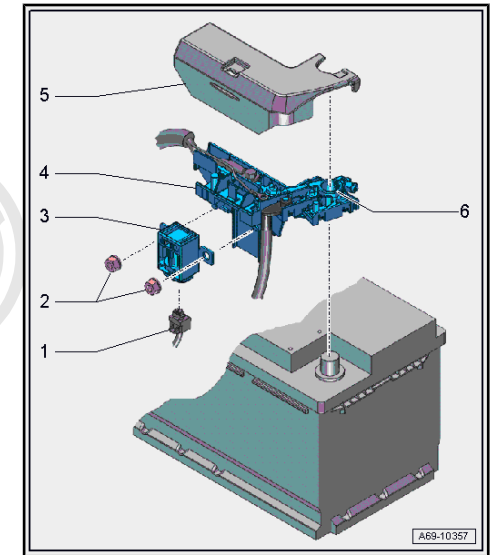
- ◆ With Rear Passenger Side Airbag (Driver side) Igniter -N201-
- ◆ With Rear Passenger Side Airbag (front Passenger side) Igniter -N202-



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## Battery Interrupt Igniter Assembly Overview

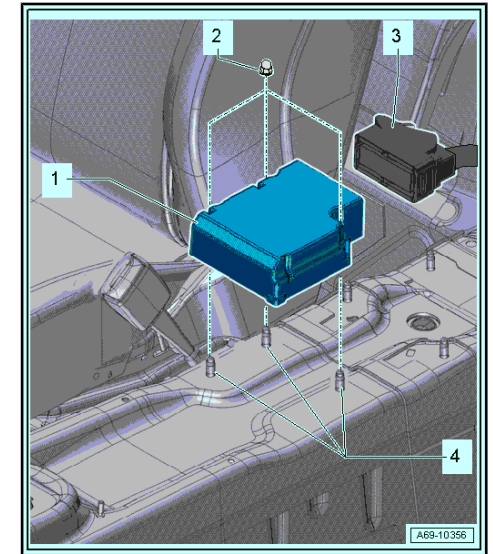
3 - Battery Interrupt Igniter -N253-



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**Airbag Control Module Assembly Overview**

- 1 - Airbag Control Module -J234-
- 3 - Electrical connection



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### Driver Airbag Assembly Overview

1 - Steering Column Electronic Systems Control Module -J527-

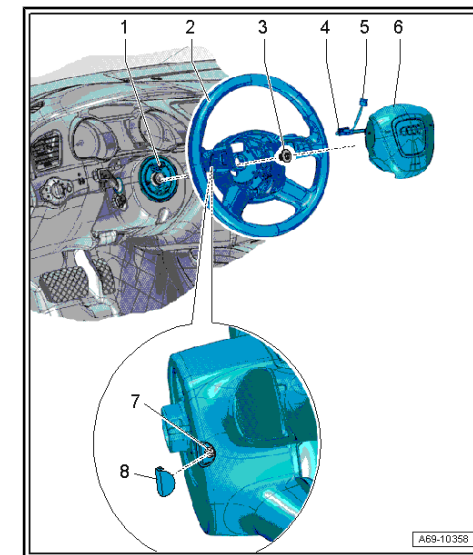
◆ With Airbag Spiral Spring/Return Spring With Slip Ring  
-F138- and Steering Angle Sensor -G85-

4 - Electrical connection

◆ For the driver airbag igniter 1 -N95- and driver airbag igniter 2  
-N250-

6 - Driver Airbag

◆ With Driver Airbag Igniter -N95- and Driver Airbag Igniter 2  
-N250-



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## 1.2 Airbag Crash Sensors Overview

### 1 - Front Passenger Front Airbag Crash Sensor -G284-

- ❑ Located on the headlamp housing bracket

### 3 - Front Passenger Side Airbag Crash Sensor -G180-

- ❑ Located in the passenger front door

### 5 - Rear Side Airbag Crash Sensor (on front Passenger side) -G257-

- ❑ Located on the inside of the wheel housing behind the sill trim

### 8 - Rear Side Airbag Crash Sensor (on Driver side) -G256-

- ❑ Located on the inside of the wheel housing behind the sill trim

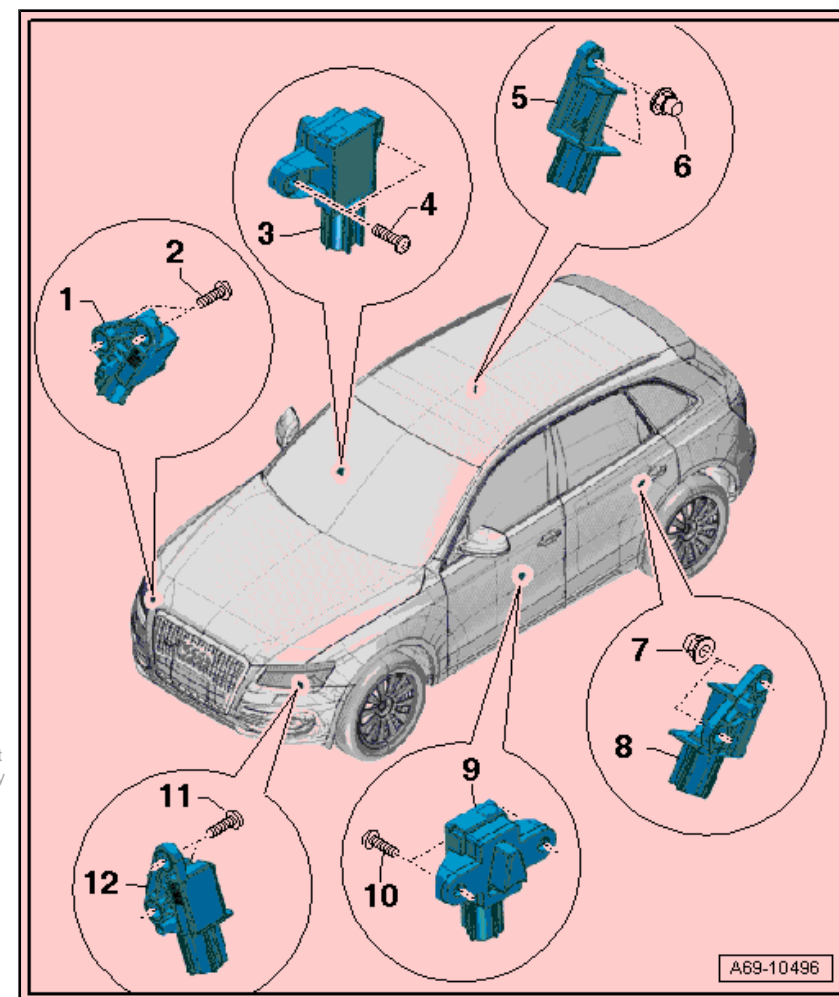
### 9 - Driver Side Airbag Crash Sensor -G179-

- ❑ Located in the driver front door

### 12 - Driver Front Airbag Crash Sensor -G283-

- ❑ Located on the headlamp housing bracket

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## 1.3 Passive Occupant Detection System

Components A is not shown in the overview.

A - Front Passenger Seat Occupied Sensor -G128- ⇒ [page 11](#)



### Note

*The Front Passenger's Seat Occupied Sensor -G128- is only installed in front passenger's seat*

### 1 - Seat Occupied Recognition Pressure Sensor -G452-

- ❑ Part of the seat occupied recognition mat -6-

### 2 - Seat Pan

### 4 - Upholstery

- ❑ For seat pan
- ❑ Do not separate from the seat occupied recognition mat -6-

### 6 - Mat

- ❑ For seat occupied recognition
- ❑ Complementary component with the seat occupied recognition pressure sensor -G452-
- ❑ Do not separate from the seat pan upholstery -4-

### 7 - Mount

- ❑ For Seat Occupied Recognition Control Module -J706-

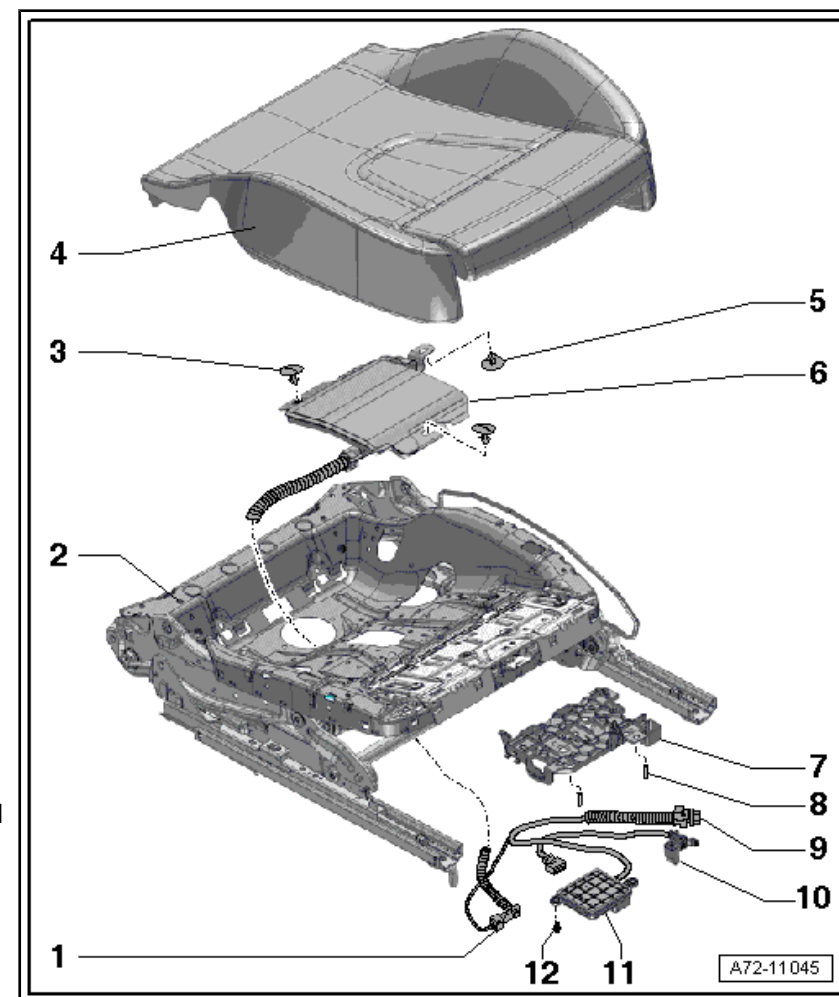
### 9 - Electrical Wiring Harness

- ❑ Do not separate from the seat occupied recognition pressure sensor -G452- and seat occupied recognition control module -J706-

### 10 - Front Passenger Seat Position Sensor -G554-

- ❑ Component of the electrical wiring harness -9-

### 11 - Seat Occupied Recognition Control Module -J706- ⇒ [page 12](#)



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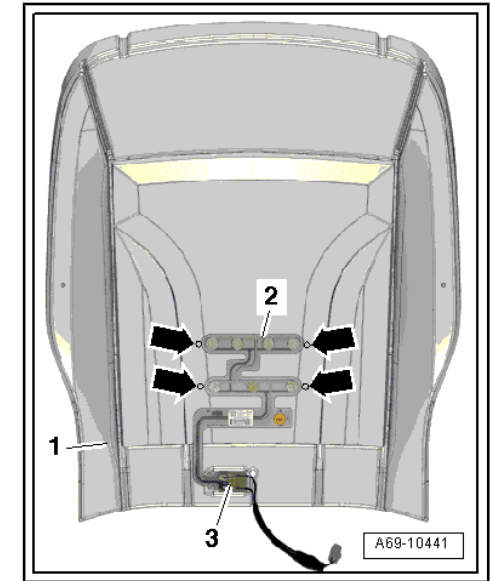


**Seat Occupied Sensor**

- 1 - Seat cushion
- 2 - Front Passenger Seat Occupied Sensor -G128-
- 3 - Circuit board

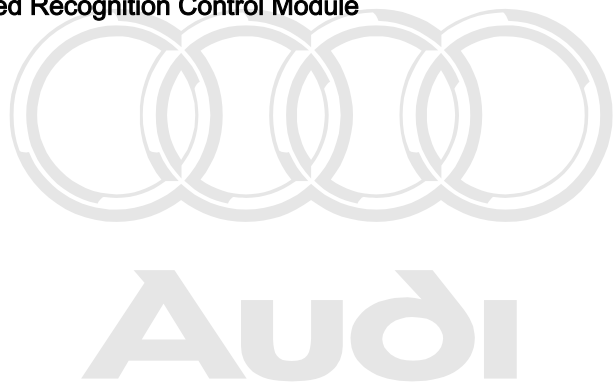


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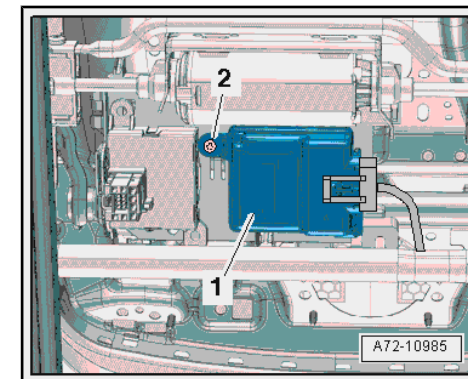


**Seat Occupied Recognition Control Module**

1 - -J706-

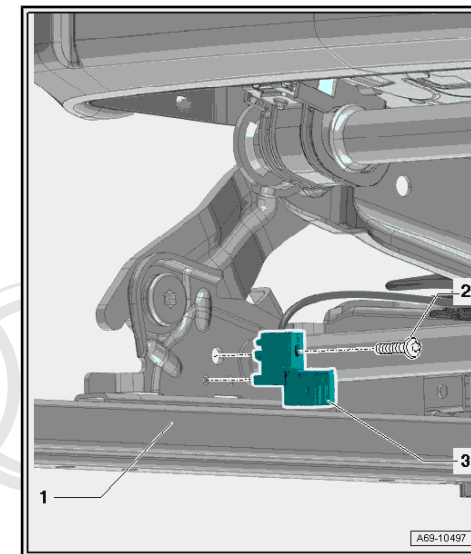


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### Seat Position Sensor Assembly Overview

3 - Driver Seat Position Sensor -G553- and Front Passenger Seat  
Position Sensor -G554-

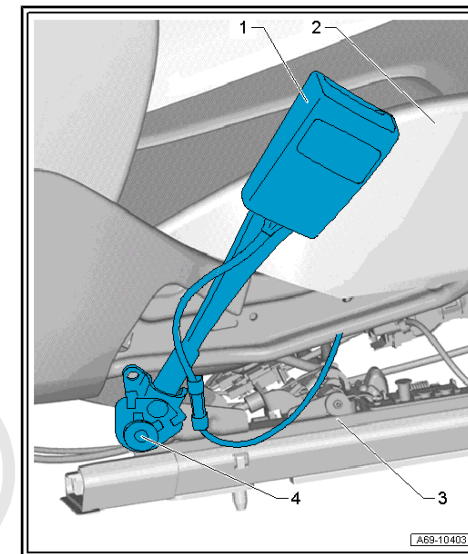


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**Front passenger seat belt switch**

1 - Front passenger seat belt switch -E25-

1 - Passenger occupant detection system seat belt force sensor  
-G453- , integrated with Front passenger seat belt switch E25



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## 1.4 Seat Belt Tensioners

**1 - Front three-point seat belt with Driver Seat Belt Tensioner Igniter 1 -N153- and Driver Belt Force Limiter -G551-**

**; Front Passenger Seat Belt Tensioner Igniter 1 -N154- and Front Passenger Belt Force Limiter -G552-**

⇒ [page 16](#)

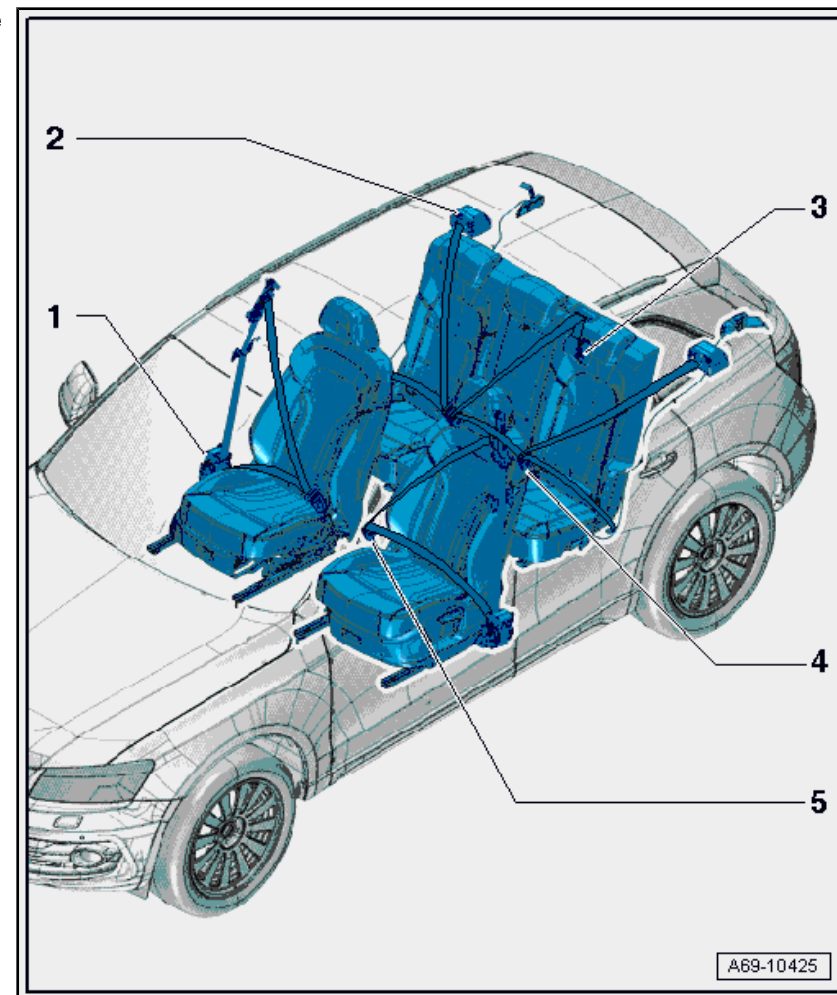
- ☐ Driver and passenger side in similar locations
- ☐ Versions for specific countries

**2 - Rear outside three-point seat belt with Left Rear Seat Belt Tensioner Igniter -N196- and Right Rear Seat Belt Tensioner Igniter -N197-**

⇒ [page 17](#)

- ☐ Rear driver and passenger side in similar locations

**3 - Rear three-point seat belt in the center seating position with Center Rear Seat Belt Tensioner Igniter -N198- ⇒ [page 18](#)**



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### Front Three-Point Seat Belt Assembly Overview

9 - Electrical connection

◆ For the Driver Belt Force Limiter -G551-

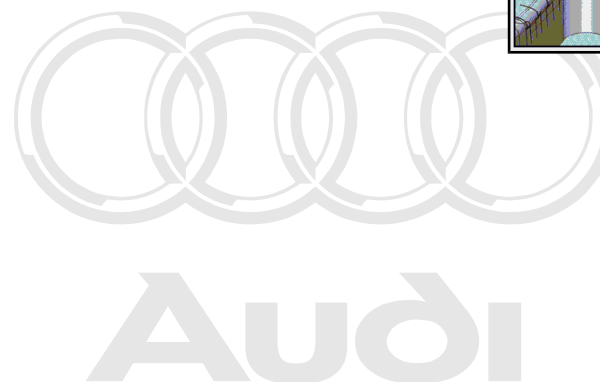
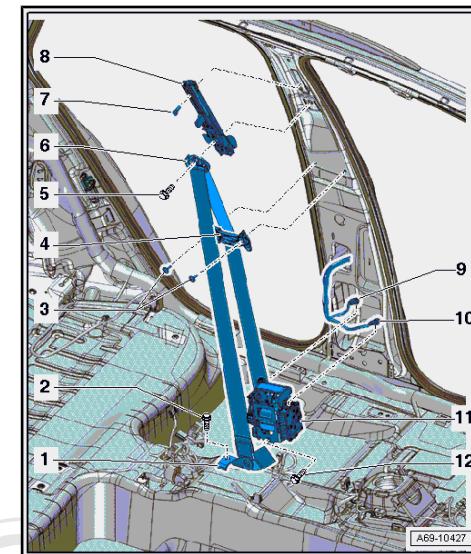
◆ For the front passenger belt force limiter -G552-

10 - Electrical connection

◆ For the driver seat belt tensioner igniter 1 -N153-

◆ For the front passenger seat belt tensioner igniter 1 -N154-

11 - Driver Seat Belt Tensioner Igniter 1 -N153- and Driver Belt Force Limiter -G551- ; Front Passenger Seat Belt Tensioner Igniter 1 -N154- and Front Passenger Belt Force Limiter -G552-



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### Rear Outer Three-Point Seat Belt Assembly Overview

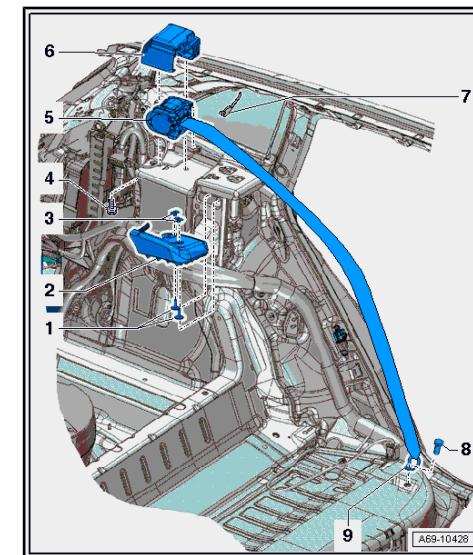
5 - Left Rear Seat Belt Tensioner Igniter -N196- and Right Rear Seat Belt Tensioner Igniter -N197-

7 - Electrical connection

- ◆ Vehicles with Right Rear Seat Belt Tensioner Igniter -N196-
- ◆ Vehicles with Left Rear Seat Belt Tensioner Igniter -N197-

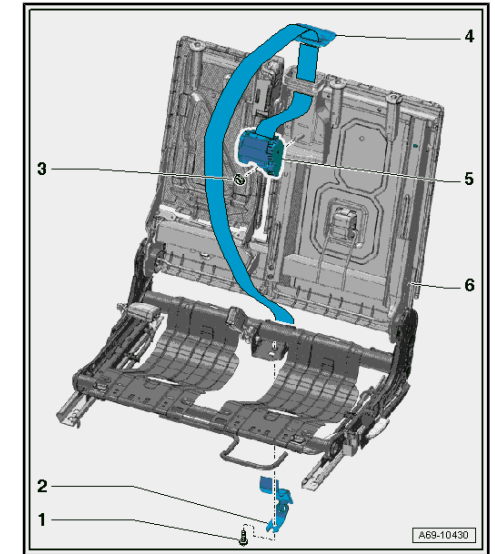


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Rear Center Three-Point Seat Belt Assembly Overview

5 - Center Rear Seat Belt Tensioner Igniter -N198-



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## 1 Comp. Loc. Camera

### 1.1 Rear View Camera System

#### 1 - Information Electronics Control Module 1 -J794-

- Located at the top center console

#### 2 - Rear View Camera -R189-

- Located in the rear lid handle button

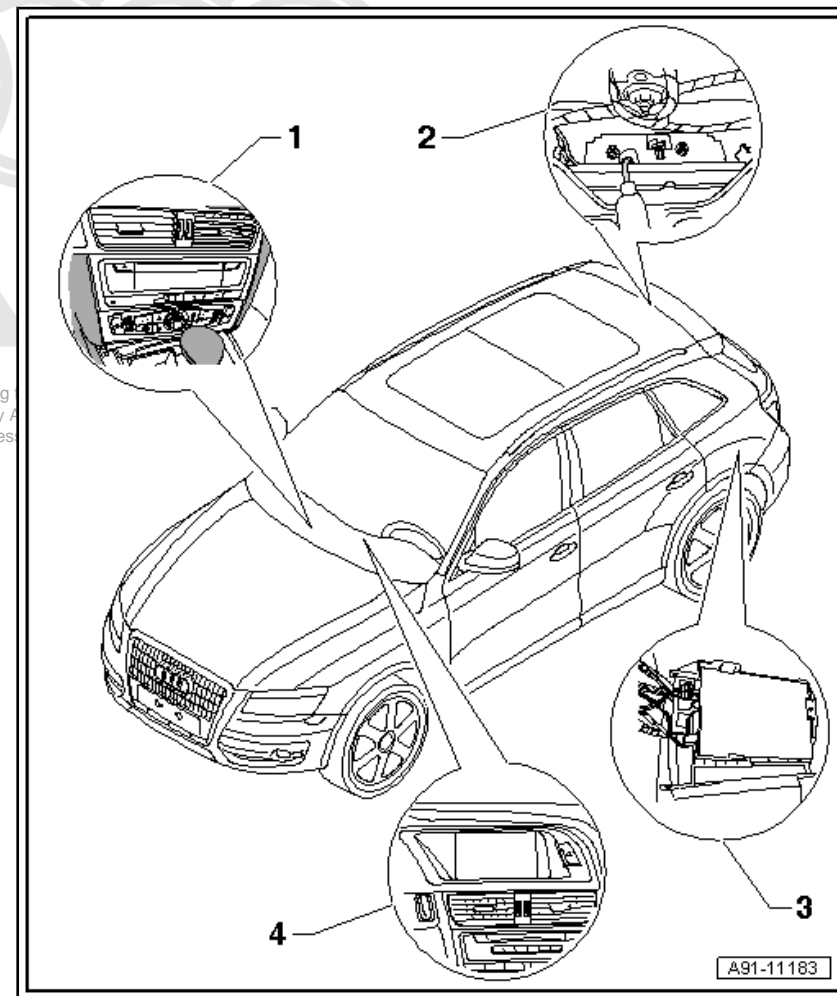
#### 3 - Rear View Camera System Control Module -J772-

- Located behind the luggage compartment left side trim

#### 4 - Front Information Display Control Head -J685-

- Located center of the instrument panel

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### 1.2 Camera System - Outside Mirror

#### 1 - Information Electronics Control Module 1 -J794-

- ❑ Located at the top center console

#### 2 - Exterior Mirror Camera -R223-

- ❑ Located in the right and left outside mirror

#### 3 - Rear View Camera System Control Module -J772-

- ❑ Located behind the left trunk cowl

#### 4 - Tracer for camera in the outside mirror -E697- (if applicable)

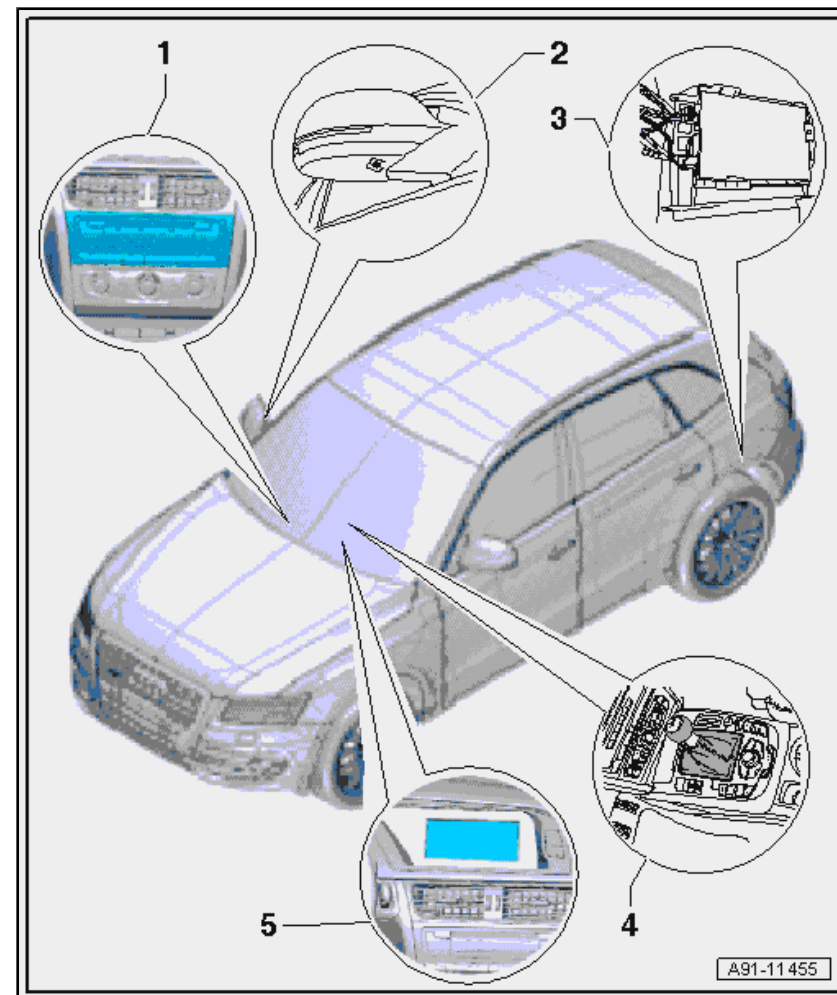
- ❑ Located in the center console

#### 5 - Front Information Display Control Head -J685-

- ❑ Located center of the instrument panel



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# 1 Comp. Loc. Engine

- ◆ ⇒ [“1.1 2.0L TFSI CAEB/CPMA/CPMB Overview”, page 5](#)
- ◆ ⇒ [“1.2 2.0L TFSI CHJA Overview”, page 12](#)
- ◆ ⇒ [“1.4 3.0L TFSI CTUC/CTUD Overview”, page 29](#)
- ◆ ⇒ [“1.5 3.0L TDI CPNB Overview”, page 41](#)
- ◆ ⇒ [“1.3 3.2L FSI CALB Overview”, page 17](#)
- ◆ ⇒ [“1.6 EVAP Canister Overview”, page 52](#)
- ◆ ⇒ [“1.7 Exhaust System Overview”, page 54](#)
- ◆ ⇒ [“1.8 Cooling Fans and Cooling Pump Overview”, page 61](#)
- ◆ ⇒ [“1.8.1 Fuel Pump and Sensors”, page 64](#)
- ◆ ⇒ [“1.8.2 Accelerator Pedal Module Assembly Overview”, page 66](#)

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Select system or component ID below to navigate to a location view.

<b>Oil Pressure Switch -F22-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.6 3.0L TFSI CTUC/CTUD Rear View”, page 35</a></li> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<b>Knock Sensor 2 -G66-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<b>Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>
<b>Secondary Air Injection (AIR) Pump Motor -V101-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.2.1 2.0L TFSI CHJA Engine Compartment”, page 12</a></li> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Oil Level Thermal Sensor -G266-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side”, page 11</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.4 3.0L TFSI CTUC/CTUD Right Side”, page 33</a></li> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<b>Intake Manifold Tuning (IMT) Valve Position Sensor -G513-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>

<b>Secondary Air Injection Sensor 1 -G609-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.2.4 2.0L TFSI CHJA Rear View”, page 17</a></li> <li>◆ 3.0L TFSI CTUC ⇒ <a href="#">page 40</a></li> <li>◆ 3.2L FSI CALB ⇒ <a href="#">Item 14 (page 60)</a></li> </ul>	<b>Turbocharger recirculation valve -N249-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side”, page 11</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> </ul>	<b>Fuel Pressure Sensor -G247-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>
<b>Intake Air Temperature (IAT) Sensor -G42- / -G71-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Camshaft Adjustment Valve 1 -N205-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side”, page 11</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Secondary Air Injection (AIR) Solenoid Valve -N112-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.2.4 2.0L TFSI CHJA Rear View”, page 17</a></li> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>
<b>Camshaft Position (CMP) Sensor -G40-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Intake Manifold Tuning (IMT) Valve -N156-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Camshaft Adjustment Valve 2 -N208-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>
<b>Secondary Air Injection (AIR) Solenoid Valve 2 -N320-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Engine Coolant Temperature (ECT) Sensor -G62-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<b>Throttle Valve Control Module -J338-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> <li>◆ ⇒ <a href="#">“1.3 3.2L FSI CALB Overview”, page 17</a></li> </ul>

<p>Oil pressure regulation valve -N428-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.4.5 3.0L TFSI CTUC/CTUD Left Side”, page 34</a></li> <li>⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> <li>⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<p>Intake manifold runner control valve -N316-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> </ul>	<p>Engine Speed (RPM) Sensor -G28-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.4.6 3.0L TFSI CTUC/CTUD Rear View”, page 35</a></li> <li>⇒ <a href="#">“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41</a></li> <li>⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>
<p>Camshaft Adjustment Valve 1 (exhaust) -N318-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a></li> </ul>	<p>Reduced oil pressure switch -F378-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> <li>⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<p>Mass air flow sensor -G70-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment”, page 5</a></li> <li>⇒ <a href="#">“1.2.1 2.0L TFSI CHJA Engine Compartment”, page 12</a></li> <li>⇒ <a href="#">“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41</a></li> </ul>
<p>Charge air pressure sensor -G31-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment”, page 5</a></li> <li>⇒ <a href="#">“1.2.1 2.0L TFSI CHJA Engine Compartment”, page 12</a></li> <li>⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>⇒ <a href="#">“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41</a></li> </ul>	<p>EPC throttle drive -G186-, EPC throttle drive angle sensor 1 -G187-, EPC throttle drive angle sensor 2 -G188-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> <li>⇒ <a href="#">“1.3 3.2L FSI CALB Overview”, page 17</a></li> </ul>	<p>Wastegate bypass regulator valve -N75-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side”, page 11</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> </ul>
<p>Knock Sensor 1 -G61-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>3.0L TFSI CTUC ⇒ <a href="#">Item 12 (page 31)</a></li> <li>⇒ <a href="#">“1.3 3.2L FSI CALB Overview”, page 17</a></li> </ul>	<p>Fuel pressure regulator valve -N276-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> </ul>	<p>After-run coolant pump -V51-</p> <ul style="list-style-type: none"> <li>⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>3.0L TFSI CTUC ⇒ <a href="#">Item 6 (page 63)</a></li> <li>3.2L FSI CALB ⇒ <a href="#">Item 6 (page 63)</a></li> </ul>

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<b>Camshaft Adjuster Actuators</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side”, page 11</a></li> <li>◆ ⇒ <a href="#">“1.2.3 2.0L TFSI CHJA Right Side”, page 16</a></li> <li>◆ ⇒ <a href="#">“1.3.1 3.2L FSI CALB Right Side”, page 18</a> Bank 1</li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a> Bank 2</li> </ul>	<b>Intake manifold runner position sensor -G336-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.2.2 2.0L TFSI CHJA Left Side”, page 14</a></li> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> </ul>	<b>Left electrohydraulic engine mount solenoid valve -N144- / Right electrohydraulic engine mount solenoid valve -N145-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment”, page 5</a></li> <li>◆ ⇒ <a href="#">“1.2.1 2.0L TFSI CHJA Engine Compartment”, page 12</a></li> <li>◆ ⇒ <a href="#">“1.4.4 3.0L TFSI CTUC/CTUD Right Side”, page 33</a></li> <li>◆ ⇒ <a href="#">“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41</a></li> </ul>
<b>Low fuel pressure sensor -G410-</b> <ul style="list-style-type: none"> <li>◆ 2.0L TFSI CAEB/CPMA/CPMB ⇒ <a href="#">page 7</a></li> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> <li>◆ 3.2L FSI CALB ⇒ <a href="#">page 24</a></li> </ul>	<b>Fuel metering valve -N290-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side”, page 9</a></li> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> <li>◆ 3.2L FSI CALB ⇒ <a href="#">page 24</a></li> </ul>	<b>Intake manifold runner position sensor 2 -G512-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> </ul>
<b>Charge air cooling pump -V188-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> </ul>	<b>Camshaft position sensor 3 -G300-</b> <ul style="list-style-type: none"> <li>◆ 3.2L FSI CALB ⇒ <a href="#">page 22</a></li> </ul>	<b>Control valve control unit -J808-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> </ul>
<b>Engine temperature control sensor -G694-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31</a></li> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> </ul>	<b>Charge air pressure sensor 2 -G447-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29</a></li> </ul>	<b>Engine temperature control actuator -N493-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> </ul>
<b>Crankcase ventilation shut-off valve -N548-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.6 3.0L TFSI CTUC/CTUD Rear View”, page 35</a></li> </ul>	<b>Camshaft position sensor 2 -G163-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32</a></li> <li>◆ ⇒ <a href="#">“1.3.2 3.2L FSI CALB Left Side”, page 19</a></li> </ul>	<b>EGR motor -V338-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> </ul>
<b>Differential pressure sensor -G505-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41</a></li> </ul>	<b>Turbocharger control module 1 -J724-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> </ul>	<b>Intake flap motor -V157-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> </ul>
<b>Fuel temperature sensor -G81-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.2 3.0L TDI CPNB Top View”, page 44</a></li> </ul>	<b>EGR cooler switch-over valve -N345-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.5.3 3.0L TDI CPNB Front View”, page 47</a></li> </ul>	<b>Reducing agent injector -N474-</b> <ul style="list-style-type: none"> <li>◆ 3.0L TDI CPNB ⇒ <a href="#">page 52</a></li> </ul>

EGR temperature sensor -G98- ♦ ⇒ <a href="#">"1.5.2 3.0L TDI CPNB Top View", page 44</a>	Reducing agent pump -V437- , Reducing agent metering system pressure sensor -G686- , Reducing agent reservoir sensor -G697- , Reducing agent temperature sensor -G685- and Reducing agent tank heater (heating circuit 1) -Z102- ♦ 3.0L TDI CPNB ⇒ <a href="#">page 52</a>	Oil temperature sensor 2 -G664- ♦ ⇒ <a href="#">"1.5.3 3.0L TDI CPNB Front View", page 47</a>
Cylinder head coolant valve -N489- ♦ ⇒ <a href="#">"1.5.2 3.0L TDI CPNB Top View", page 44</a>	Map controlled engine cooling thermostat -F265- ♦ ⇒ <a href="#">"1.5.3 3.0L TDI CPNB Front View", page 47</a>	-Ignition Coils Power Output Stage -N70-, -N127-, -N291- and -N ♦ ⇒ <a href="#">"1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment", page 5</a> ♦ ⇒ <a href="#">"1.2.1 2.0L TFSI CHJA Engine Compartment", page 12</a>
Fuel quality sensor -G446- ♦ 2.0L TFSI CAEB/CPMA/CPMB ⇒ <a href="#">page 7</a>	Brake booster pressure sensor -G294- ♦ ⇒ <a href="#">"1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment", page 5</a> ♦ ⇒ <a href="#">"1.2.1 2.0L TFSI CHJA Engine Compartment", page 12</a> ♦ ⇒ <a href="#">"1.5.1 3.0L TDI CPNB Engine Compartment", page 41</a>	Cold start injector -N17- ♦ 2.0L TFSI CAEB/CPMA/CPMB ⇒ <a href="#">page 7</a>
Transmission coolant valve -N488- ♦ ⇒ <a href="#">"1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment", page 5</a>	Gear recognition sensor -G604- ♦ ⇒ <a href="#">"1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment", page 5</a>	Servotronic solenoid valve -N119- ♦ 2.0L TFSI CAEB/CPMA/CPMB ⇒ <a href="#">page 12</a>
Brake booster vacuum pump -V469- ♦ ⇒ <a href="#">"1.2.1 2.0L TFSI CHJA Engine Compartment", page 12</a>	Low temperature circuit coolant pump -V468- ♦ ⇒ <a href="#">"1.2.1 2.0L TFSI CHJA Engine Compartment", page 12</a>	Brake pedal position sensor -G100- ♦ ⇒ <a href="#">"1.2.1 2.0L TFSI CHJA Engine Compartment", page 12</a>
Coolant recirculation pump -V50- ♦ ⇒ <a href="#">"1.2.4 2.0L TFSI CHJA Rear View", page 17</a> ♦ ⇒ <a href="#">"1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment", page 29</a>	Coolant shut-off valve -N82- ♦ ⇒ <a href="#">"1.2.4 2.0L TFSI CHJA Rear View", page 17</a>	Cooling circuit solenoid valve -N492- ♦ ⇒ <a href="#">"1.2.4 2.0L TFSI CHJA Rear View", page 17</a>

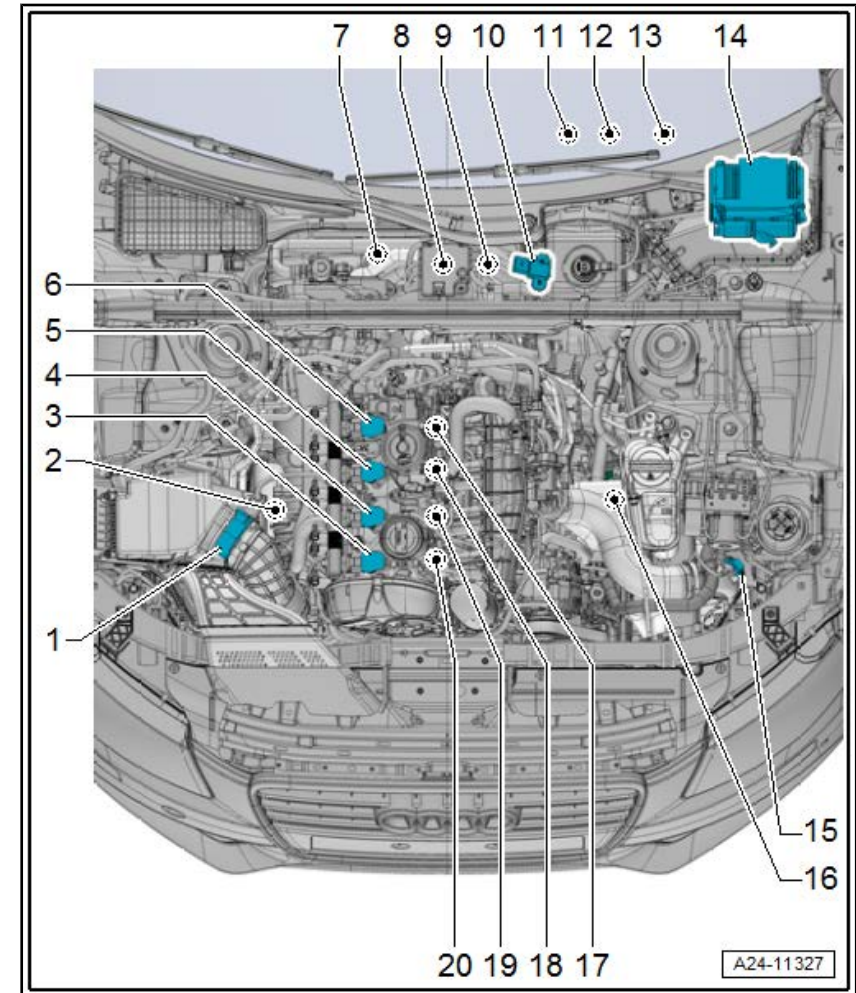
## 1.1 2.0L TFSI CAEB/CPMA/CPMB Overview

- ♦ ⇒ ["1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment", page 5](#)
- ♦ ⇒ ["1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side", page 9](#)
- ♦ ⇒ ["1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side", page 11](#)

### 1.1.1 2.0L TFSI CAEB/CPMA/CPMB Engine Compartment



- 1 - Mass Airflow Sensor -G70-
- 2 - Right Electro-Hydraulic Engine Mount Solenoid Valve -N145-  
☐ Optional based on production date.
- 3 - Ignition Coil 1 with Power Output Stage -N70-
- 4 - Ignition Coil 2 with Power Output Stage -N127-
- 5 - Ignition Coil 3 with Power Output Stage -N291-
- 6 - Ignition Coil 4 with Power Output Stage -N292-
- 7 - Transmission Neutral Position Sensor -G701- [⇒ page 8](#)  
☐ Optional based on production date and for vehicles with a manual transmission
- 8 - Transmission Coolant Valve -N488- [⇒ page 9](#)  
☐ For Vehicles with a manual transmission and transmission fluid heater
- 9 - Transmission Range Gear Recognition Switch -F208- and Gear Recognition Sensor -G604- [⇒ page 8](#)  
☐ Optional based on production date and for vehicles with a manual transmission
- 10 - Brake Booster Pressure Sensor -G294-  
☐ Optional based on vehicle equipment
- 11 - Accelerator Pedal Position Sensor -G79- / Accelerator Pedal Position Sensor 2 -G185- [⇒ page 66](#)  
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- 12 - Brake Lamp Switch -F- [⇒ page 66](#)
- 13 - Clutch Position Sensor -G476- [⇒ page 66](#)  
☐ Includes Clutch Pedal Switch -F36- / Clutch Pedal Starter Interlock Switch -F194-  
☐ For vehicles with manual transmission
- 14 - Engine Control Module -J623-
- 15 - Charge Air Pressure Sensor -G31-
- 16 - Left Electrohydraulic Engine Mount Solenoid Valve -N144- [⇒ page 8](#)  
☐ Optional based on production date.
- 17 - Cylinder 4 Fuel Injector -N33-
- 18 - Cylinder 3 Fuel Injector -N32-
- 19 - Cylinder 2 Fuel Injector -N31-
- 20 - Cylinder 1 Fuel Injector -N30-





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Low fuel pressure sensor -G410-

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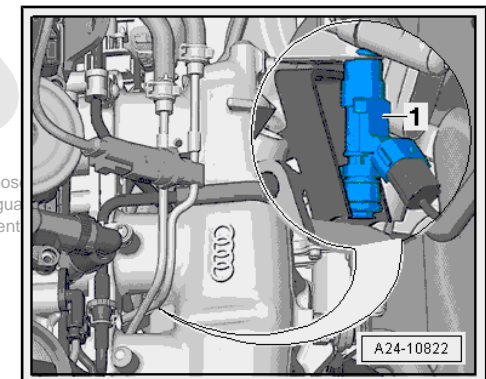
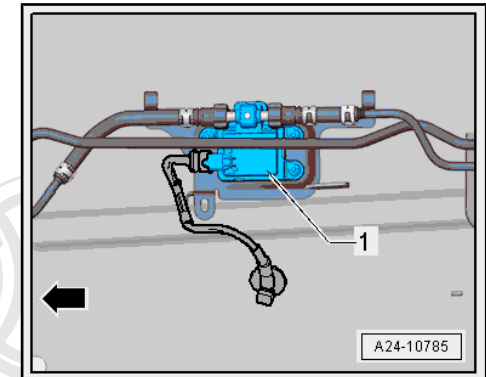
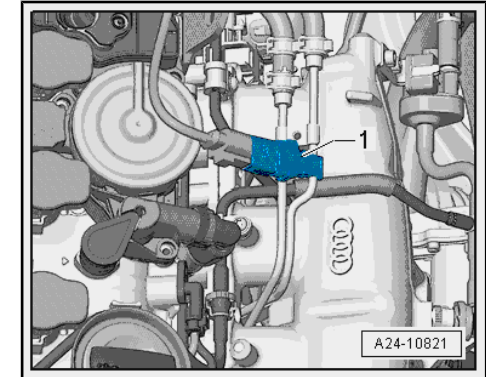
Fuel quality sensor -G446-

1 - The Fuel quality sensor -G446- is installed on the underbody on the right side (arrow pointing in the direction of travel).

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Cold start injector -N17-

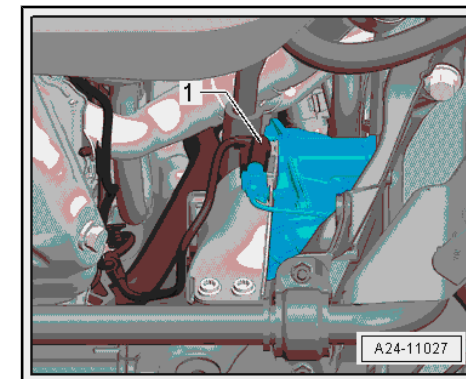
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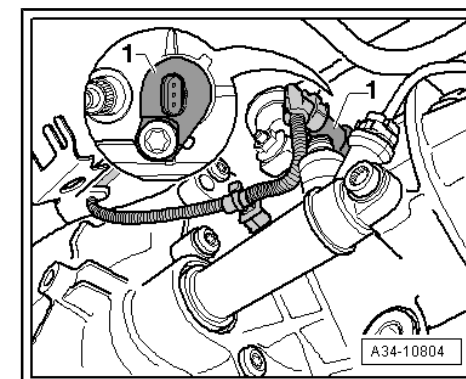
**Left Electrohydraulic Engine Mount Solenoid Valve -N144-**

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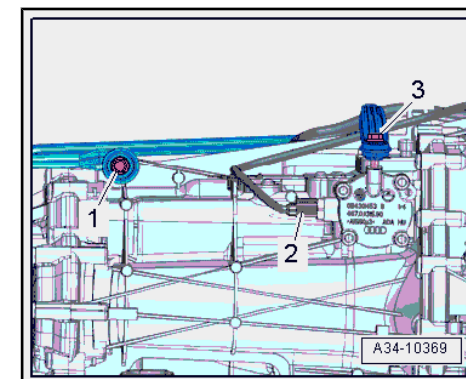
**Transmission Neutral Position Sensor -G701-**

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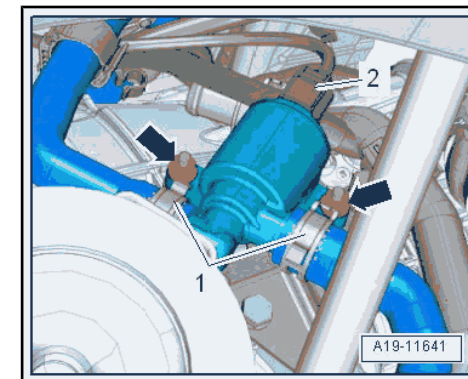


**Transmission Range Gear Recognition Switch -F208- and Gear Recognition Sensor -G604-**

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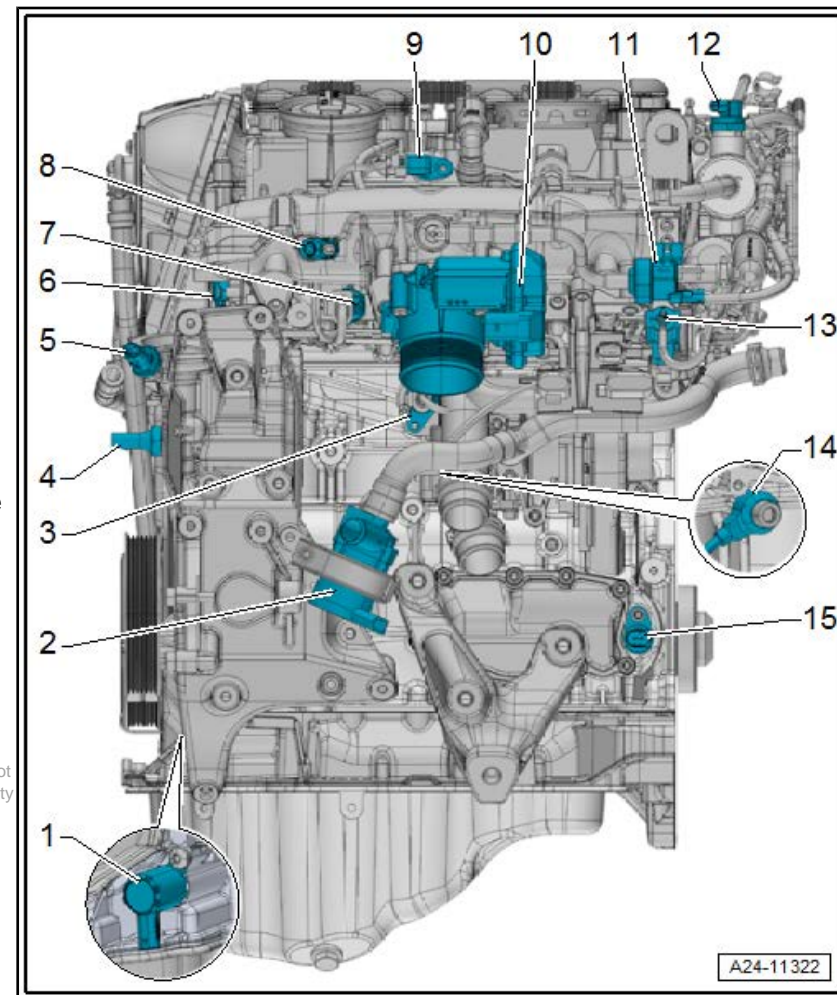
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**Transmission Coolant Valve -N488-**Top ⇒ [page 1](#)**1.1.2 2.0L TFSI CAEB/CPMA/CPMB Left Side**

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- 1 - Oil Pressure Regulation Valve -N428-**
- 2 - After-Run Coolant Pump -V51-**
- 3 - Engine Coolant Temperature Sensor -G62-**
- 4 - Oil Pressure Switch -F22-**
- 5 - Reduced Oil Pressure Switch -F378-**
  - ❑ Depending on the engine installed, there are different installed positions
- 6 - Intake Manifold Runner Position Sensor -G336-**
- 7 - Fuel Pressure Sensor -G247-**
- 8 - Intake Air Temperature Sensor -G42-**
- 9 - Camshaft Position Sensor -G40-**
- 10 - Throttle Valve Control Module -J338-**
  - ❑ With Throttle Drive (Power Accelerator Actuation) -G186-, Angle Sensor 1 For Throttle Drive (Power Accelerator Actuation) -G187- and Angle Sensor 2 For Throttle Drive (Power Accelerator Actuation) -G188-
- 11 - EVAP Canister Purge Regulator Valve 1 -N80-**
- 12 - Fuel Pressure Regulator Valve -N276-**
  - ❑ Integrated in the high pressure pump
  - ❑ Includes Low fuel pressure sensor -G410- and Fuel metering valve -N290-
- 13 - Intake Manifold Runner Control Valve -N316-**
- 14 - Knock Sensor 1 -G61-**
- 15 - Engine Speed Sensor -G28-**

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### 1.1.3 2.0L TFSI CAEB/CPMA/CPMB Right Side

1 - Oxygen Sensor after Three Way Catalytic Converter -G130- and Heater For Oxygen Sensor 1 after Catalytic Converter -Z29-

2 - Heated Oxygen Sensor -G39- and Oxygen Sensor Heater -Z19-

3 - Cam Adjustment Actuator 8 -F373- (for cylinder 4)

4 - Cam Adjustment Actuator 7 -F372- (for cylinder 4)

5 - Cam Adjustment Actuator 5 -F370- (for cylinder 3)

6 - Cam Adjustment Actuator 6 -F371- (for cylinder 3)

7 - Cam Adjustment Actuator 4 -F369- (for cylinder 2)

8 - Cam Adjustment Actuator 3 -F368- (for cylinder 2)

9 - Cam Adjustment Actuator 1 -F366- (for cylinder 1)

10 - Cam Adjustment Actuator 2 -F367- (for cylinder 1)

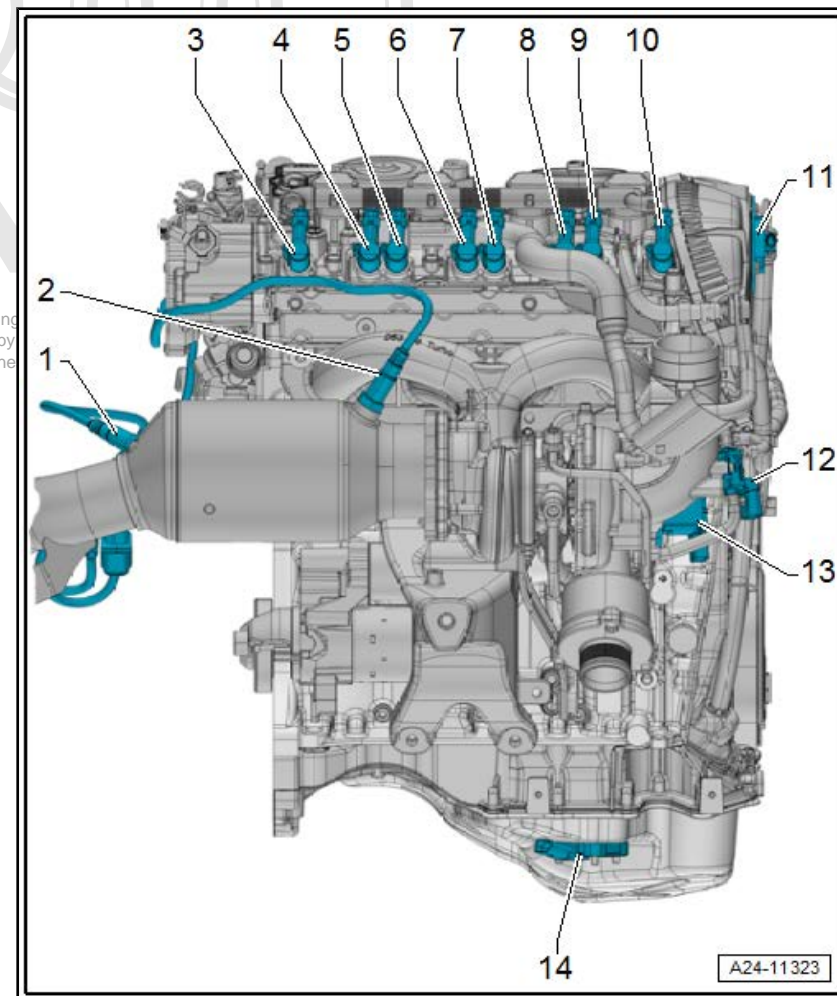
11 - Camshaft Adjustment Valve 1 -N205-

12 - Wastegate Bypass Regulator Valve -N75-

13 - Turbocharger Recirculation Valve -N249-

14 - Oil Level Thermal Sensor -G266-

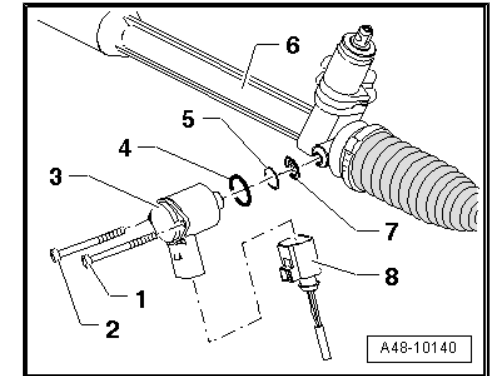
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**Servotronic solenoid valve -N119-**

3 - Located on steering gear.



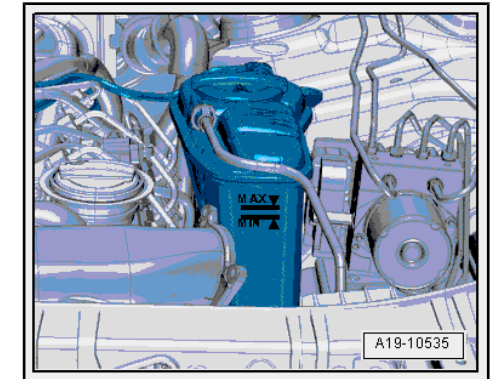
**Coolant Reservoir**

- - Engine Coolant Level (ECL) Sensor -G32-

- Located at the coolant reservoir

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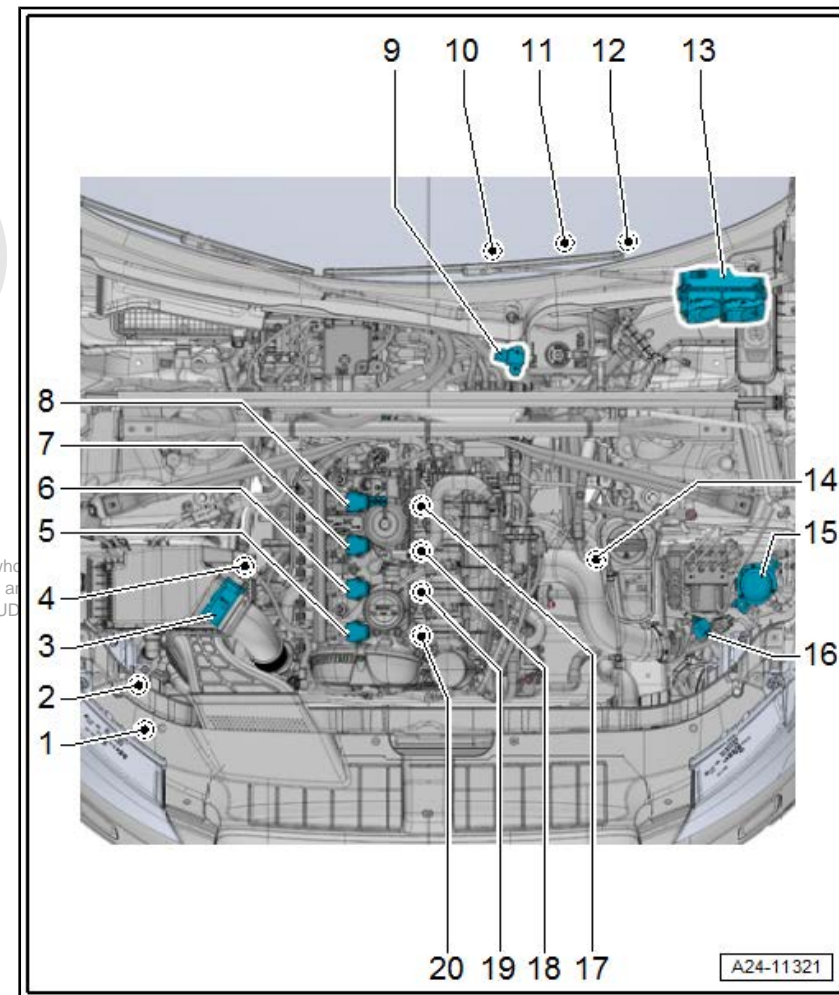
## 1.2 2.0L TFSI CHJA Overview

- ◆ ⇒ [“1.2.1 2.0L TFSI CHJA Engine Compartment”, page 12](#)
- ◆ ⇒ [“1.2.2 2.0L TFSI CHJA Left Side”, page 14](#)
- ◆ ⇒ [“1.2.3 2.0L TFSI CHJA Right Side”, page 16](#)
- ◆ ⇒ [“1.2.4 2.0L TFSI CHJA Rear View”, page 17](#)

### 1.2.1 2.0L TFSI CHJA Engine Compartment



- 1 - Low Temperature Circuit Coolant Pump -V468- ➔ [page 14](#)
- 2 - Secondary Air Injection Pump Motor -V101- ➔ [page 14](#)
- 3 - Mass Airflow Sensor -G70-
- 4 - Right Electro-Hydraulic Engine Mount Solenoid Valve -N145- ➔ [page 14](#)
- 5 - Ignition Coil 1 with Power Output Stage -N70-
- 6 - Ignition Coil 2 with Power Output Stage -N127-
- 7 - Ignition Coil 3 with Power Output Stage -N291-
- 8 - Ignition Coil 4 with Power Output Stage -N292-
- 9 - Brake Booster Pressure Sensor -G294-
- 10 - Accelerator Pedal Position Sensor -G79- / Accelerator Pedal Position Sensor 2 -G185- ➔ [page 66](#)
- 11 - Brake Lamp Switch
  - ☐ Non Hybrid Vehicles Brake Lamp Switch -F-
  - ☐ Hybrid Vehicles Brake Pedal Position Sensor -G100-
- 12 - Clutch Position Sensor -G476- ➔ [page 66](#)
  - ☐ With Clutch Pedal Switch -F36- / Clutch Pedal Starter Interlock Switch -F194-
  - ☐ For vehicles with manual transmission
- 13 - Engine Control Module -J623-
- 14 - Left Electrohydraulic Engine Mount Solenoid Valve -N144- ➔ [page 14](#)
- 15 - Brake Booster Vacuum Pump -V469- ➔ [page 14](#)
- 16 - Charge Air Pressure Sensor -G31-
- 17 - Cylinder 4 Fuel Injector -N33-
- 18 - Cylinder 3 Fuel Injector -N32-
- 19 - Cylinder 2 Fuel Injector -N31-
- 20 - Cylinder 1 Fuel Injector -N30-

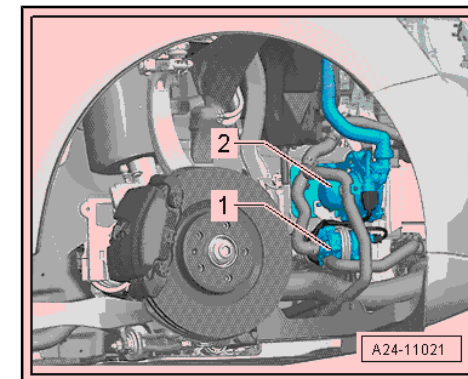


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**Secondary Air Injection Pump Motor -V101- , Low Temperature Circuit Coolant Pump -V468-**

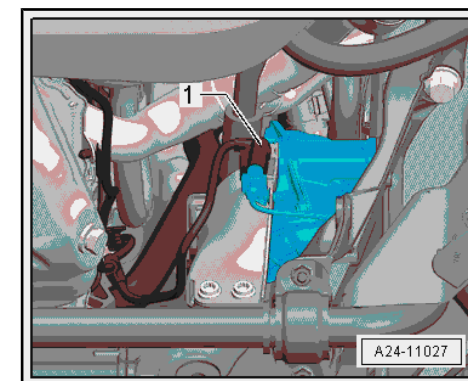
- 1 - Low Temperature Circuit Coolant Pump -V468-
- 2 - Secondary Air Injection Pump Motor -V101-

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**Left Electrohydraulic Engine Mount Solenoid Valve -N144-**

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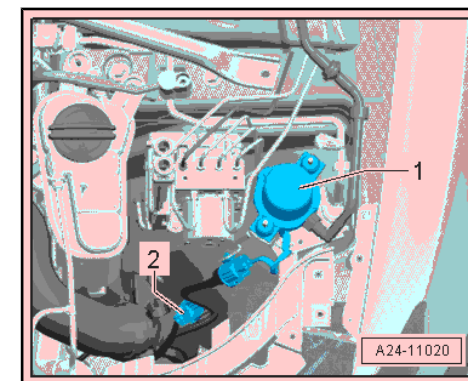


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**Brake Booster Vacuum Pump -V469-**

- 1 - Brake Booster Vacuum Pump -V469-
- 2 - Connector for the Brake Booster Vacuum Pump -V469-

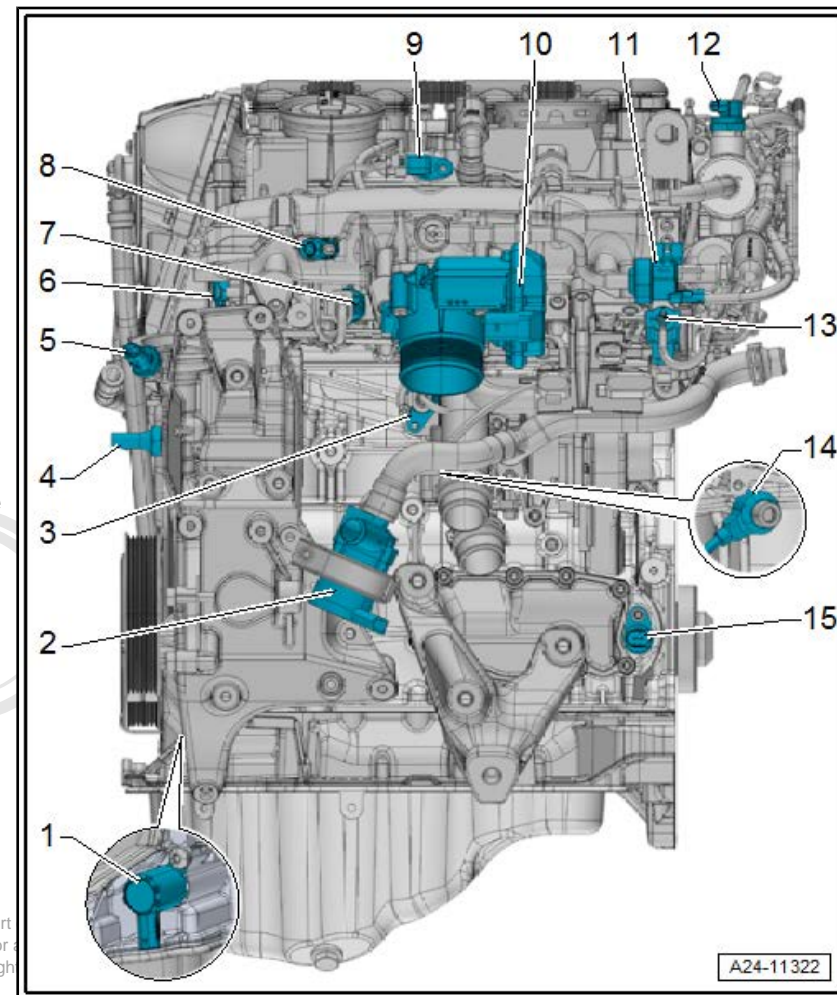
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**1.2.2 2.0L TFSI CHJA Left Side**



- 1 - Oil Pressure Regulation Valve -N428-
- 2 - After-Run Coolant Pump -V51-
  - ❑ Installed, depending on the date of manufacture
- 3 - Engine Coolant Temperature Sensor -G62-
- 4 - Oil Pressure Switch -F22-
- 5 - Reduced Oil Pressure Switch -F378-
- 6 - Intake Manifold Runner Position Sensor -G336-
- 7 - Fuel Pressure Sensor -G247-
- 8 - Intake Air Temperature Sensor -G42-
- 9 - Camshaft Position Sensor -G40-
- 10 - Throttle Valve Control Module -J338-
  - ❑ With EPC Throttle Drive -G186-, EPC Throttle Drive Angle Sensor 1 -G187- and EPC Throttle Drive Angle Sensor 2 -G188-
- 11 - EVAP Canister Purge Regulator Valve 1 -N80-
- 12 - Fuel Pressure Regulator Valve -N276-
  - ❑ Integrated in the high pressure pump
- 13 - Intake Manifold Runner Control Valve -N316-
- 14 - Knock Sensor 1 -G61-
- 15 - Engine Speed Sensor -G28-



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## 1.2.3 2.0L TFSI CHJA Right Side

1 - Oxygen Sensor after Three Way Catalytic Converter -G130- and Heater for Oxygen Sensor 1 After Catalytic Converter -Z29-

2 - Heated Oxygen Sensor -G39- and Oxygen Sensor Heater -Z19-

3 - Cam Adjustment Actuator 8 -F373- (for cylinder 4)

4 - Cam Adjustment Actuator 7 -F372- (for cylinder 4)

5 - Cam Adjustment Actuator 5 -F370- (for cylinder 3)

6 - Cam Adjustment Actuator 6 -F371- (for cylinder 3)

7 - Cam Adjustment Actuator 4 -F369- (for cylinder 2)

8 - Cam Adjustment Actuator 3 -F368- (for cylinder 2)

9 - Cam Adjustment Actuator 1 -F366- (for cylinder 1)

10 - Cam Adjustment Actuator 2 -F367- (for cylinder 1)

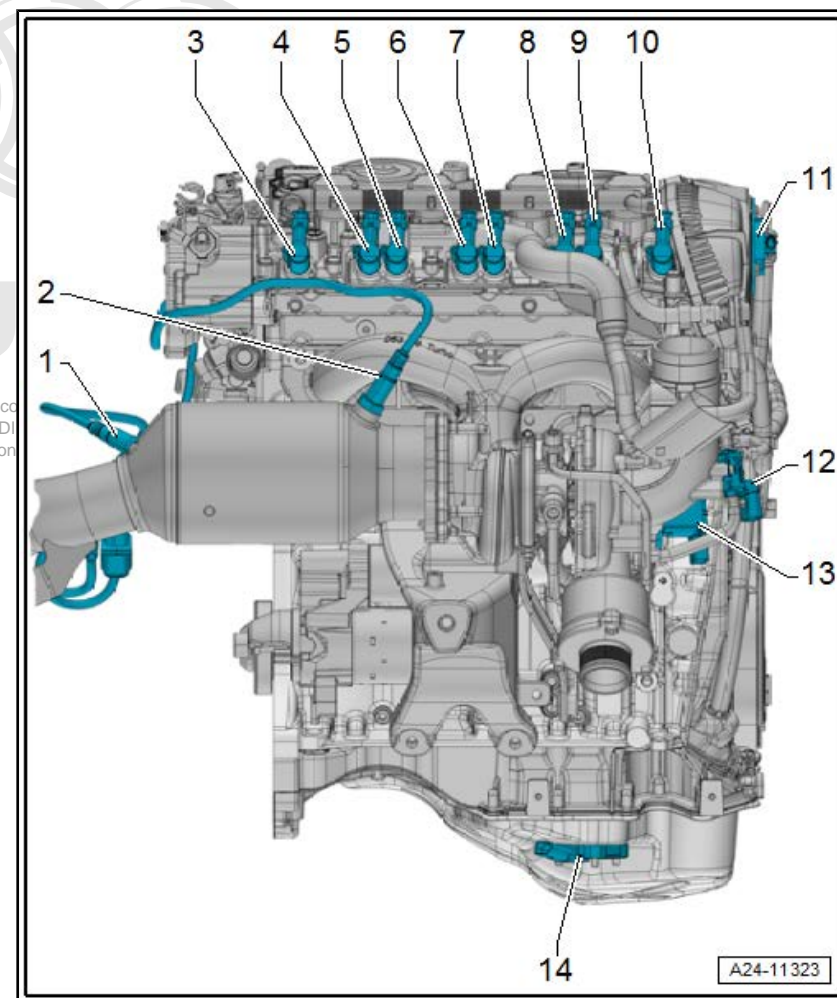
11 - Camshaft Adjustment Valve 1 -N205-

12 - Wastegate Bypass Regulator Valve -N75-

13 - Turbocharger Recirculation Valve -N249-

14 - Oil Level Thermal Sensor -G266-

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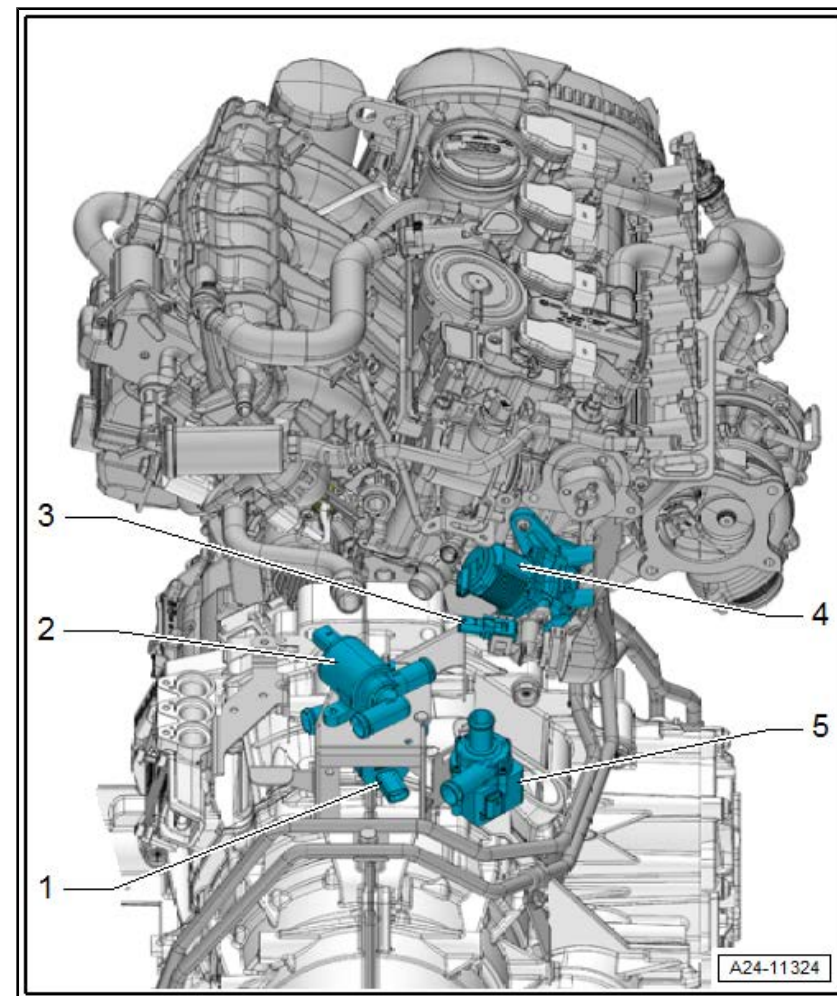


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## 1.2.4 2.0L TFSI CHJA Rear View

- 1 - Coolant Shut-Off Valve -N82-
- 2 - Coolant Circuit Solenoid Valve -N492-
- 3 - Secondary Air Injection Sensor 1 -G609-
- 4 - Secondary Air Injection Solenoid Valve -N112-
- 5 - Coolant Pump -V50-

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## 1.3 3.2L FSI CALB Overview

- ◆ ⇒ ["1.3.1 3.2L FSI CALB Right Side", page 18](#)
- ◆ ⇒ ["1.3.2 3.2L FSI CALB Left Side", page 19](#)



### 1.3.1 3.2L FSI CALB Right Side

**1 - Heated Oxygen Sensor (HO2S) -G39- ⇒ [page 54](#)**

- Integrated with Oxygen Sensor (O2S) Heater -Z19-

**2 - Camshaft Adjustment Valve 1 (exhaust) -N318- ⇒ [page 22](#)**

**3 - Camshaft Adjustment Valve 1 -N205- ⇒ [page 22](#)**

**4 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter -G130- ⇒ [page 54](#)**

- Integrated with Oxygen Sensor O2S) 1 Heater -Z29-

**5 - Connectors ⇒ [page 22](#)**

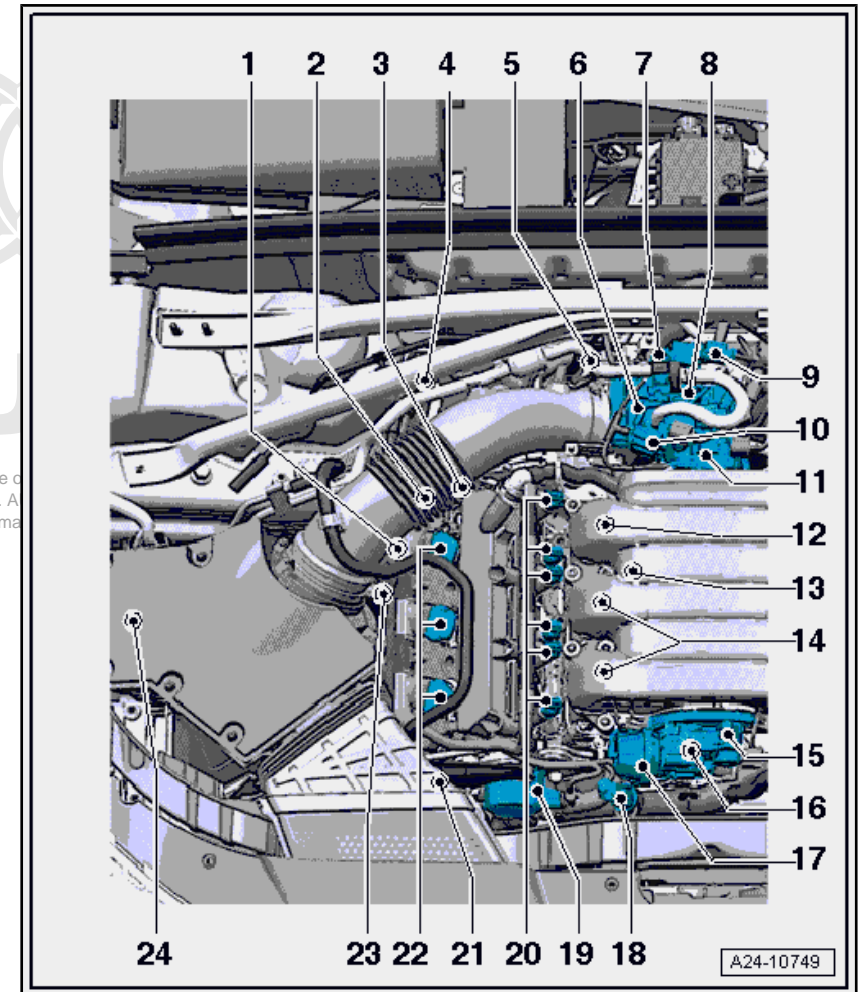
- ◆ For fuel injectors, cylinder bank 1
- ◆ For throttle valve control module -J338-
- ◆ For Knock Sensor (KS) 1 -G61-
- ◆ For Heated Oxygen Sensor (HO) -G39-
- ◆ For Oxygen Sensor (O) Behind Three Way Catalytic Converter (TWO) -G130-

**6 - Throttle Valve Control Module -J338- ⇒ [page 23](#)**

- For emissions standard ULEV 2 ⇒ [page 23](#)

Throttle valve control module -J338- is integrated with the following:

- ◆ Throttle Drive (for Electronic Power Control (EPC)) -G186-
- ◆ Throttle Drive Angle Sensor 1 (for Electronic Power Control (EPC)) -G187-
- ◆ Throttle Drive Angle Sensor 2 (for Electronic Power Control (EPC)) -G188-





**7 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- [⇒ page 23](#)**

- ☐ For emissions standard ULEV 2 [⇒ page 23](#)

**8 - Intake Air Temperature (IAT) Sensor -G42- and Manifold Absolute Pressure (MAP) Sensor -G71- [⇒ page 23](#)**

- ☐ For emissions standard ULEV 2 [⇒ page 23](#)

**9 - Secondary Air Injection (AIR) Solenoid Valve -N112- [⇒ page 23](#)**

- ☐ Installed on vehicles with ULEV 2 emissions standard

**10 - Secondary Air Injection (AIR) Solenoid Valve 2 -N320- [⇒ page 23](#)**

- ☐ Installed on vehicles with ULEV 2 emissions standard

**11 - Climatronic Refrigerant Shut-Off Valve -N422- [⇒ page 23](#)**

- ☐ Installed on vehicles with ULEV 2 emissions standard

**13 - Knock Sensor 1 -G61- [⇒ page 23](#)**
**15 - Intake Manifold Tuning (IMT) Valve Position Sensor -G513- [⇒ page 24](#)**

- ☐ Left side of engine compartment view [⇒ Item 12 \(page 21\)](#)

**16 - Intake Manifold Tuning (IMT) Valve -N156- [⇒ page 24](#)**

- ☐ Left side of engine compartment view [⇒ Item 13 \(page 21\)](#)

**17 - Actuator for intake manifold change-over**

- ☐ Vacuum diaphragm

**18 - Engine Coolant Temperature (ECT) Sensor -G62- [⇒ page 24](#)**
**19 - Camshaft Position (CMP) Sensor -G40- [⇒ page 22](#)**
**20 - Camshaft adjuster actuators [⇒ page 22](#)**
**21 - High pressure pump [⇒ page 24](#)**

- ☐ With Low Fuel Pressure Sensor -G410-
- ☐ With Fuel Metering Valve -N290-

**23 - Camshaft Position (CMP) Sensor 3 -G300- [⇒ page 22](#)**
**24 - Secondary Air Injection (AIR) Pump Motor -V101- [⇒ page 25](#)**

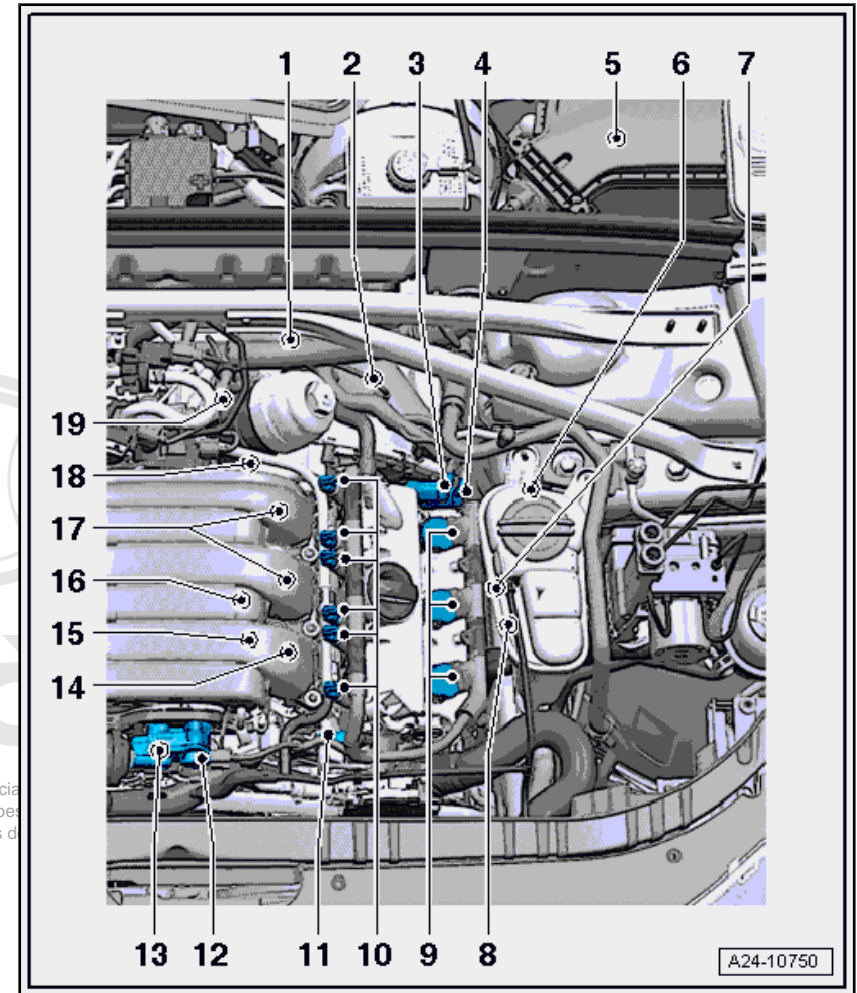
Top [⇒ page 1](#)

**1.3.2 3.2L FSI CALB Left Side**


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Components A - F are not shown in the overview

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**A - Engine Speed (RPM) Sensor -G28- ⇒ [page 28](#)**

- ☐ Bolted in the transmission from below

**B - Brake Light Switch -F- and Brake Pedal Switch -F47-**

- ☐ Located at the brake pedal

**C - Clutch Position Sensor -G476- ⇒ [page 66](#)**

- ☐ Integrated with Clutch Pedal Starter Interlock Switch -F194- and Clutch Pedal Switch -F36-
- ☐ Only for vehicles with manual transmission

**D - Relay and fuse carrier in left E-box plenum chamber**
**E - Oil Level Thermal Sensor -G266- ⇒ [page 29](#)**

- ☐ Located at the bottom of oil pan

**F - Leak Detection Pump (LDP) -V144- ⇒ [page 52](#)**
**1 - Left holder for connectors ⇒ [page 25](#)**

- ☐ For Knock Sensor (KS) 2 -G66-
- ☐ For fuel injectors, cylinder bank 2
- ☐ For fuel pressure sensor -G247-
- ☐ For Oxygen Sensor (O) 2 Behind Three Way Catalytic Converter (TWO) -G131-
- ☐ For Heated Oxygen Sensor (HO) 2 -G108-

**2 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter -G131- ⇒ [page 54](#)**

- ☐ Integrated with Oxygen Sensor O2S) 2 Heater -Z30-

**3 - Camshaft Adjustment Valve 2 -N208- ⇒ [page 26](#)**
**4 - Camshaft Adjustment Valve 2 (exhaust) -N319- ⇒ [page 26](#)**
**6 - Heated Oxygen Sensor (HO2S) 2 -G108- ⇒ [page 54](#)**

- ☐ Integrated with Oxygen Sensor (O2S) 2 Heater -Z28-

**7 - Camshaft Position (CMP) Sensor 4 -G301- ⇒ [page 26](#)**
**8 - Oil Pressure Regulation Valve -N428- ⇒ [page 26](#)**
**10 - Camshaft adjuster actuators ⇒ [page 26](#)**
**11 - Camshaft Position (CMP) Sensor 2 -G163- ⇒ [page 26](#)**
**12 - Intake Manifold Tuning (IMT) Valve Position Sensor -G513- ⇒ [page 24](#)**
**13 - Intake Manifold Tuning (IMT) Valve -N156- ⇒ [page 24](#)**
**15 - Fuel Pressure Sensor -G247- ⇒ [page 27](#)**
**16 - Knock Sensor 2 -G66- ⇒ [page 27](#)**


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18 - Reduced Oil Pressure Switch -F378- ⇒ [page 27](#)

19 - Oil Pressure Switch -F22- ⇒ [page 28](#)

Top ⇒ [page 1](#)

### Right Cylinder Bank 1

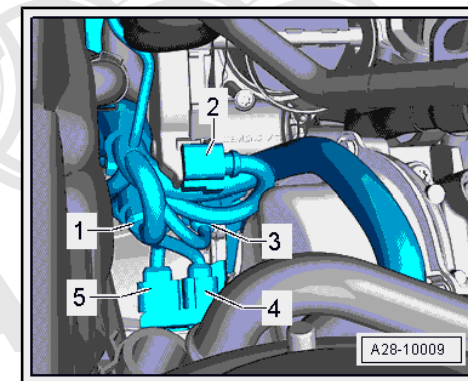
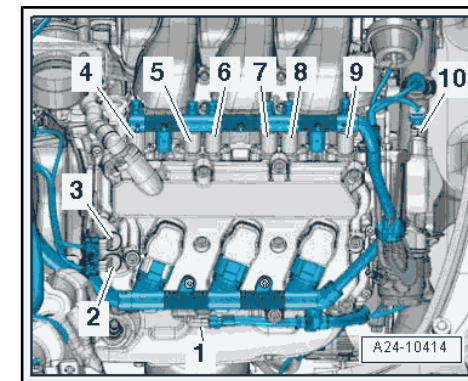
- 1 - Camshaft Position (CMP) Sensor 3 -G300-
- 2 - Camshaft Adjustment Valve 1 (exhaust) -N318-
- 3 - Camshaft Adjustment Valve 1 -N205-
- 4 - Cam Adjustment Actuator 6 -F371-
- 5 - Cam Adjustment Actuator 5 -F370-
- 6 - Cam Adjustment Actuator 4 -F369-
- 7 - Cam Adjustment Actuator 3 -F368-
- 8 - Cam Adjustment Actuator 2 -F367-
- 9 - Cam Adjustment Actuator 1 -F366-
- 10 - Camshaft Position (CMP) Sensor -G40-

Top ⇒ [page 1](#)

### Electrical Connectors

- 1 - Fuel injectors Cylinder bank 1
- 2 - Throttle valve control module -J338-
- 3 - Knock Sensor (KS) 1 -G61-
- 4 - Oxygen sensor -G39-
- 5 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-

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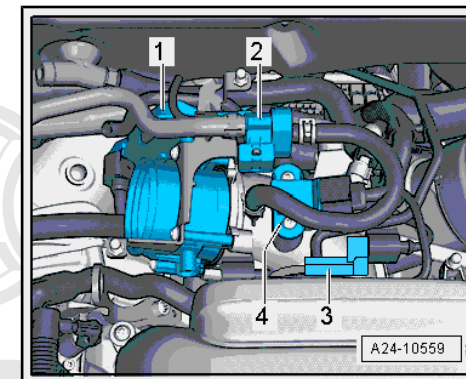
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### Intake Manifold - Rear

- 1 - Throttle Valve Control Module -J338-
- 2 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-
- 3 - Climatronic Refrigerant Shut-Off Valve -N422-
- 4 - Intake Air Temperature (IAT) Sensor -G42- and Manifold Absolute Pressure (MAP) Sensor -G71-

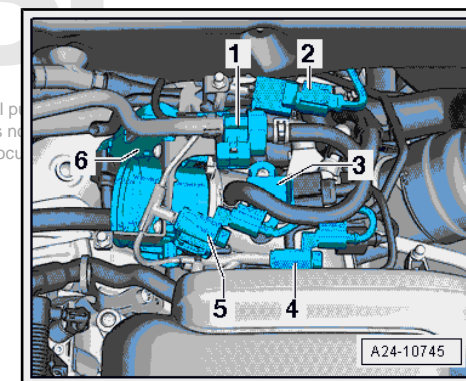
Top ⇒ [page 1](#)



### Intake Manifold (Emissions Standard ULEV 2)

- 1 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-
- 2 - Secondary Air Injection (AIR) Solenoid Valve -N112-  
⇒ [Item 11 \(page 60\)](#)
- 3 - Intake Air Temperature (IAT) Sensor -G42- and Manifold Absolute Pressure (MAP) Sensor -G71-
- 4 - Climatronic Refrigerant Shut-Off Valve -N422-
- 5 - Secondary Air Injection (AIR) Solenoid Valve 2 -N320-  
⇒ [Item 17 \(page 60\)](#)
- 6 - Throttle Valve Control Module -J338-

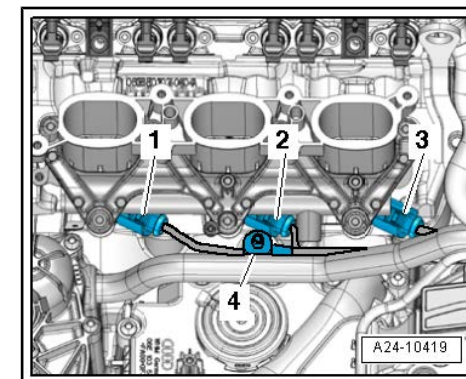
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### Right Cylinder Bank 1

- 1 - Cylinder 1 Fuel Injector -N30-
- 2 - Cylinder 2 Fuel Injector -N31-
- 3 - Cylinder 3 Fuel Injector -N32-
- 4 - Knock Sensor 1 -G61-

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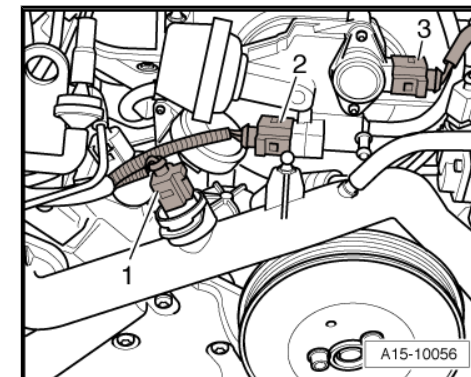


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### Component Location Front of Engine

- 1 - Engine Coolant Temperature (ECT) Sensor -G62-
- 2 - Intake Manifold Tuning (IMT) Valve -N156-
- 3 - Intake Manifold Tuning (IMT) Valve Position Sensor -G513-

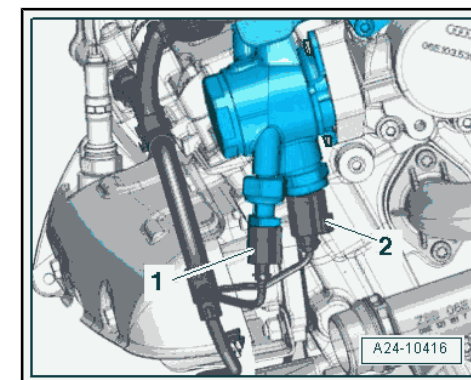
Top ⇒ [page 1](#)



### High Pressure Pump

- 1 - Low Fuel Pressure Sensor -G410-
- 2 - Fuel Metering Valve -N290-

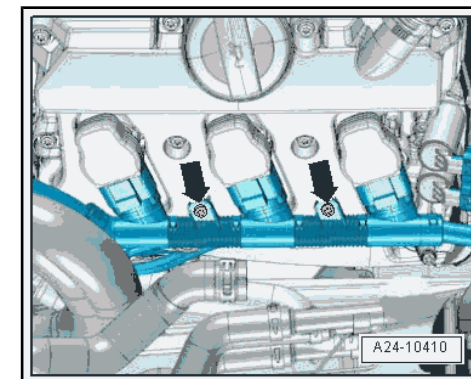
Top ⇒ [page 1](#)



### Ignition Coils

- ◆ Ignition Coil 1 with Power Output Stage -N70-
- ◆ Ignition Coil 2 with Power Output Stage -N127-
- ◆ Ignition Coil 3 with Power Output Stage -N291-

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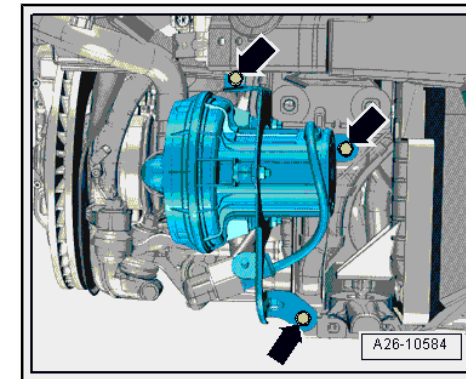


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### Secondary Air Injection Pump

- Secondary Air Injection (AIR) Pump Motor -V101-  
⇒ [Item 3 \(page 60\)](#)

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### Cylinder Bank 2 Electrical connectors

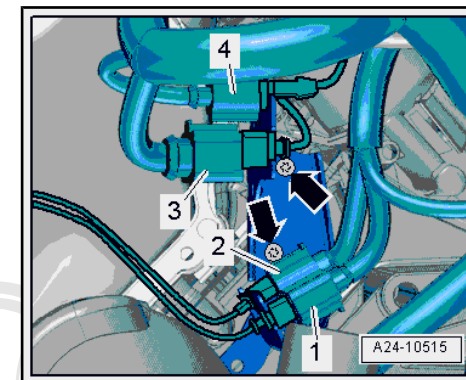
1 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-

2 - Heated Oxygen Sensor (HO2S) 2 -G108-

3 - Fuel injectors, cylinder bank 2 and from the fuel pressure sensor -G247-

4 - Knock Sensor (KS) 2 -G66-

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**Left Cylinder Bank 2**

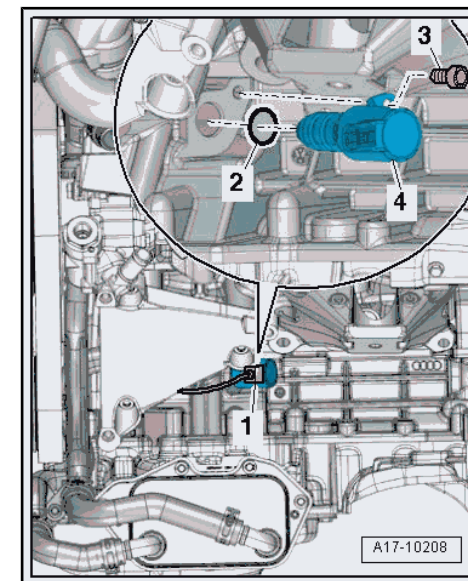
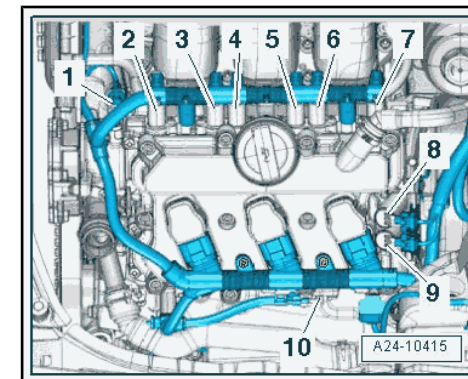
- 1 - Camshaft Position (CMP) Sensor 2 -G163-
- 2 - Cam Adjustment Actuator 7 -F372-
- 3 - Cam Adjustment Actuator 8 -F373-
- 4 - Cam Adjustment Actuator 9 -F374-
- 5 - Cam Adjustment Actuator 10 -F375-
- 6 - Cam Adjustment Actuator 11 -F376-
- 7 - Cam Adjustment Actuator 12 -F377-
- 8 - Camshaft Adjustment Valve 2 -N208-
- 9 - Camshaft Adjustment Valve 2 (exhaust) -N319-
- 10 - Camshaft Position (CMP) Sensor 4 -G301-

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**Oil Pressure Regulation Valve**

- 4 - Oil Pressure Regulation Valve -N428-

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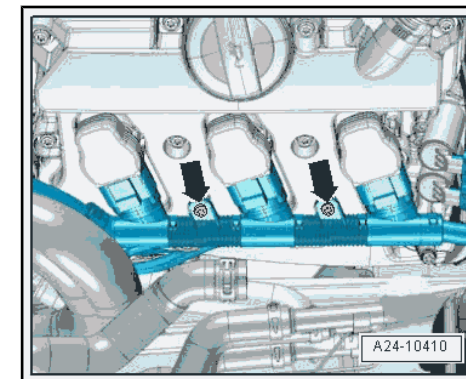


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### Ignition Coils

- ◆ Ignition Coil 4 with Power Output Stage -N292-
- ◆ Ignition Coil 5 with Power Output Stage -N323-
- ◆ Ignition Coil 6 with Power Output Stage -N324-

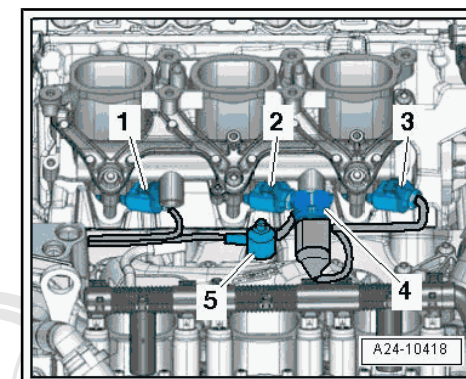
Top ⇒ [page 1](#)



### Left Cylinder Bank 2

- 1 - Cylinder 6 Fuel Injector -N84-
- 2 - Cylinder 5 Fuel Injector -N83-
- 3 - Cylinder 4 Fuel Injector -N33-
- 4 - Fuel Pressure Sensor -G247-
- 5 - Knock Sensor 2 -G66-

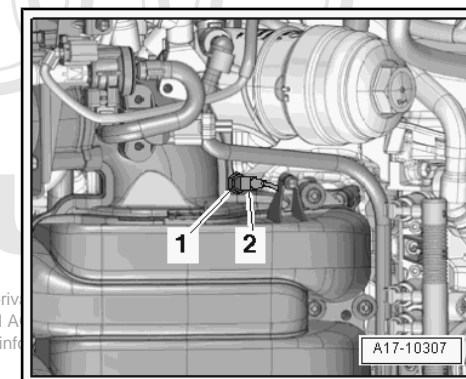
Top ⇒ [page 1](#)



### Reduced Oil Pressure Switch

- 1 - Reduced Oil Pressure Switch -F378-

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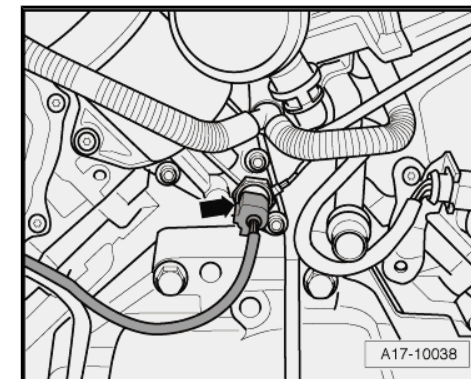
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**Oil Pressure Switch**

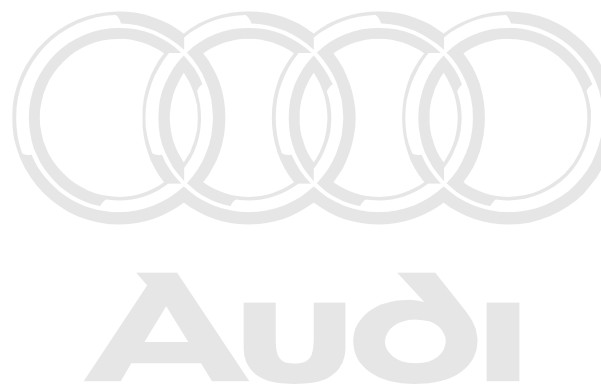
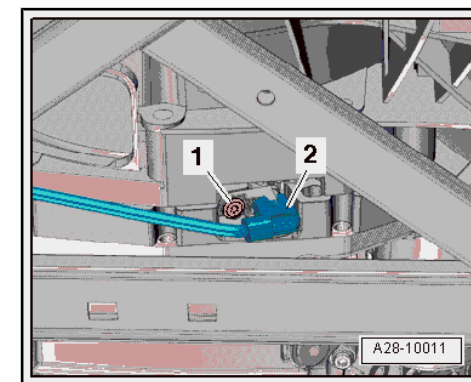
Arrow - Oil Pressure Switch -F22-

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**Engine Speed (RPM) Sensor**

2 - Engine Speed (RPM) Sensor -G28-

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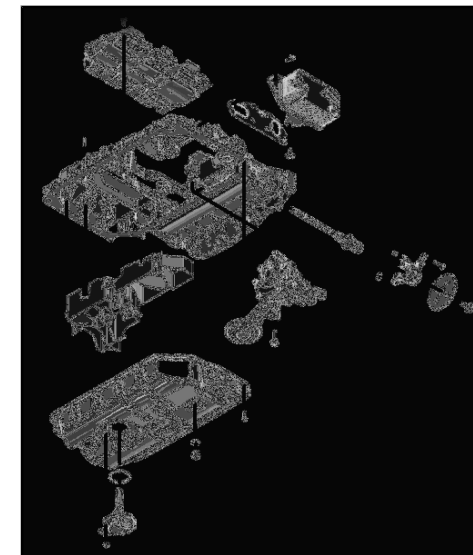
### Oil Pan Upper and Lower Sections

2 - Oil Level Thermal Sensor -G266-

4 - Lower oil pan section

8 - Oil pan (upper section)

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## 1.4 3.0L TFSI CTUC/CTUD Overview

- ◆ ⇒ [“1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment”, page 29](#)
- ◆ ⇒ [“1.4.2 3.0L TFSI CTUC/CTUD Top View”, page 31](#)
- ◆ ⇒ [“1.4.3 3.0L TFSI CTUC/CTUD Front”, page 32](#)
- ◆ ⇒ [“1.4.4 3.0L TFSI CTUC/CTUD Right Side”, page 33](#)
- ◆ ⇒ [“1.4.5 3.0L TFSI CTUC/CTUD Left Side”, page 34](#)
- ◆ ⇒ [“1.4.6 3.0L TFSI CTUC/CTUD Rear View”, page 35](#)

### 1.4.1 3.0L TFSI CTUC/CTUD Engine Compartment



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1 - Secondary air injection pump motor -V101- → [page 36](#)

2 - Charge air pressure sensor -G31- / Intake manifold temperature sensor -G72- → [page 36](#)

3 - Throttle valve control module -J338- → [page 36](#)

Throttle valve control module -J338- is integrated with the following:

- ◆ Throttle Drive (for Electronic Power Control (EPC)) -G186-
- ◆ Throttle Drive Angle Sensor 1 (for Electronic Power Control (EPC)) -G187-
- ◆ Throttle Drive Angle Sensor 2 (for Electronic Power Control (EPC)) -G188-

4 - Coolant recirculation pump -V50- → [page 64](#)

5 - EVAP canister purge regulator valve 1 -N80-

6 - Intake air temperature sensor -G42- / Manifold absolute pressure sensor -G71- → [page 36](#)

7 - Brake booster pressure sensor -G294-

8 - Accelerator pedal position sensor -G79- / Accelerator pedal position sensor 2 -G185- → [page 66](#)

9 - Brake lamp switch -F- → [page 66](#)

10 - Clutch position sensor -G476- → [page 66](#)

- ❑ Integrated with Clutch Pedal Starter Interlock Switch -F194- and Clutch Pedal Switch -F36-
- ❑ Only for vehicles with manual transmission

11 - Engine control module -J623- → [page 37](#)

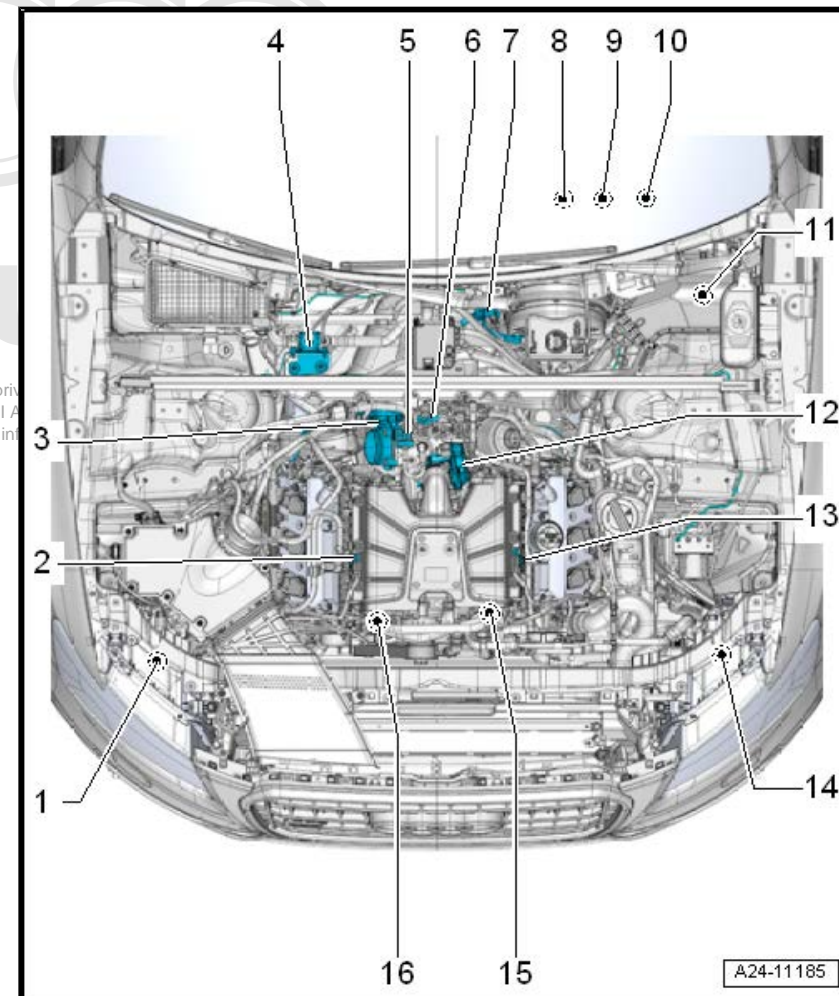
12 - Control valve control unit -J808- → [page 37](#)

13 - Intake air temperature sensor 2 -G430- Charge air pressure sensor 2 -G447- → [page 36](#)

14 - Charge air cooling pump -V188- → [page 0](#)

15 - Intake manifold runner position sensor 2 -G512- → [page 39](#)

16 - Intake manifold runner position sensor -G336- → [page 0](#)

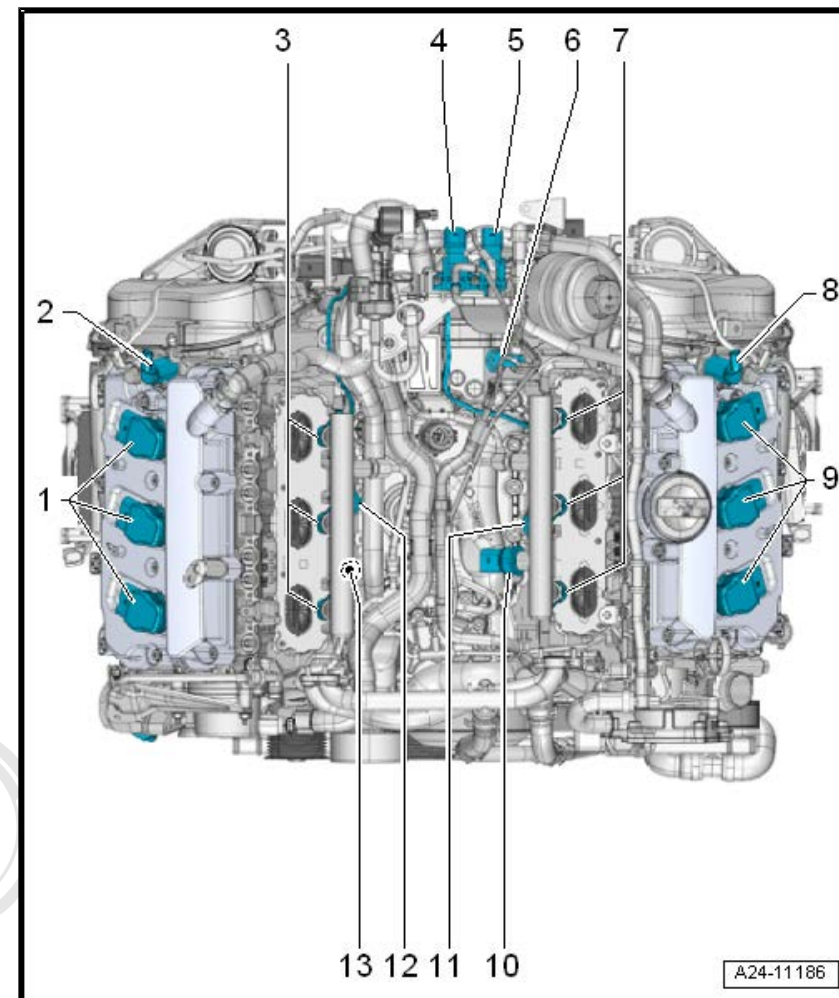


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## 1.4.2 3.0L TFSI CTUC/CTUD Top View

- 2 - Camshaft adjustment valve 1 -N205- ⇒ [page 0](#)
- 4 - Intake manifold runner control valve -N316- ⇒ [page 39](#)
- 5 - Secondary air injection solenoid valve -N112- ⇒ [page 40](#)
- 6 - Reduced oil pressure switch -F378- ⇒ [page 40](#)
- 8 - Camshaft adjustment valve 2 -N208- ⇒ [page 41](#)
- 10 - Fuel pressure sensor -G247- ⇒ [page 39](#)
- 11 - Knock sensor 2 -G66- ⇒ [page 39](#)
- 12 - Knock sensor 1 -G61- ⇒ [page 39](#)
- 13 - Engine temperature control sensor -G694- ⇒ [page 38](#)

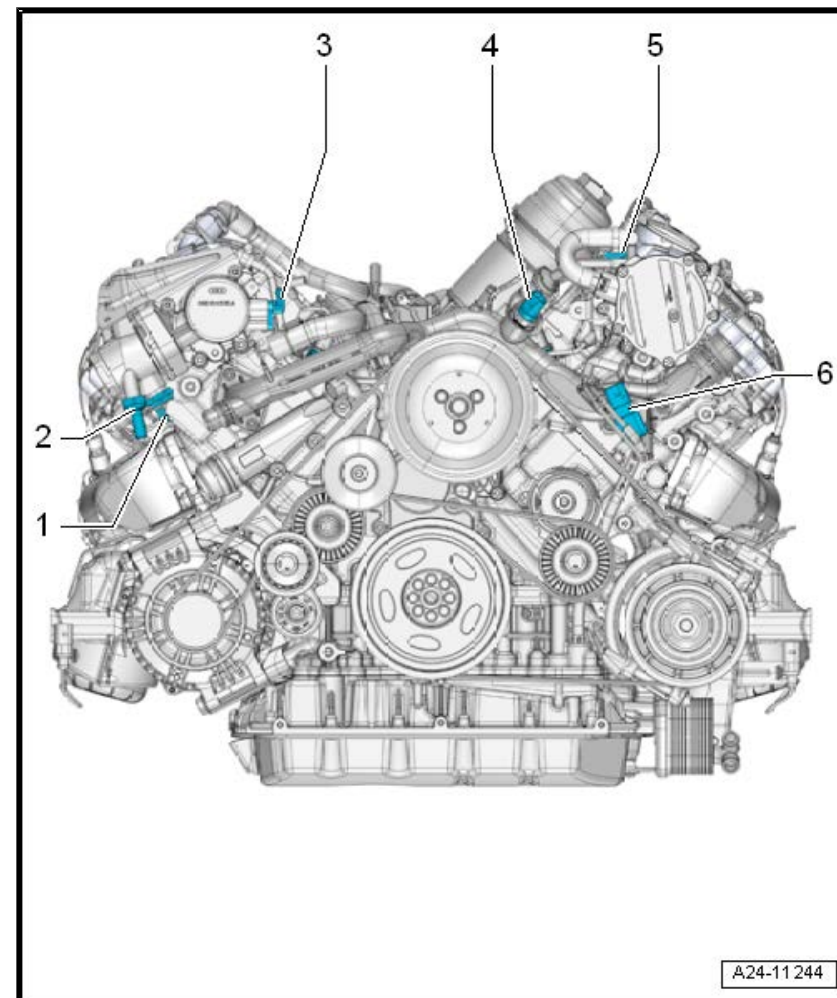


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### 1.4.3 3.0L TFSI CTUC/CTUD Front

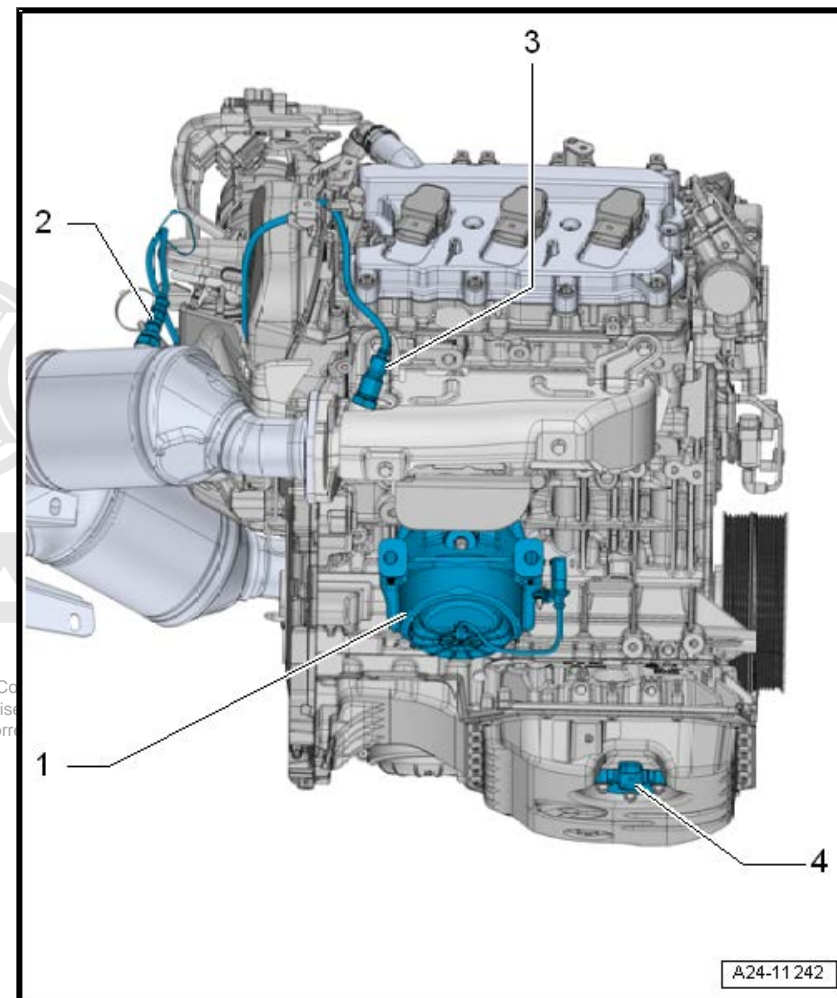
- 1 - Fuel metering valve -N290-
- 2 - Low fuel pressure sensor -G410-
- 3 - Camshaft position sensor -G40-
- 4 - Engine coolant temperature sensor -G62-
- 5 - Camshaft position sensor 2 -G163- ➔ [page 39](#)
- 6 - Engine temperature control actuator -N493-



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#### 1.4.4 3.0L TFSI CTUC/CTUD Right Side

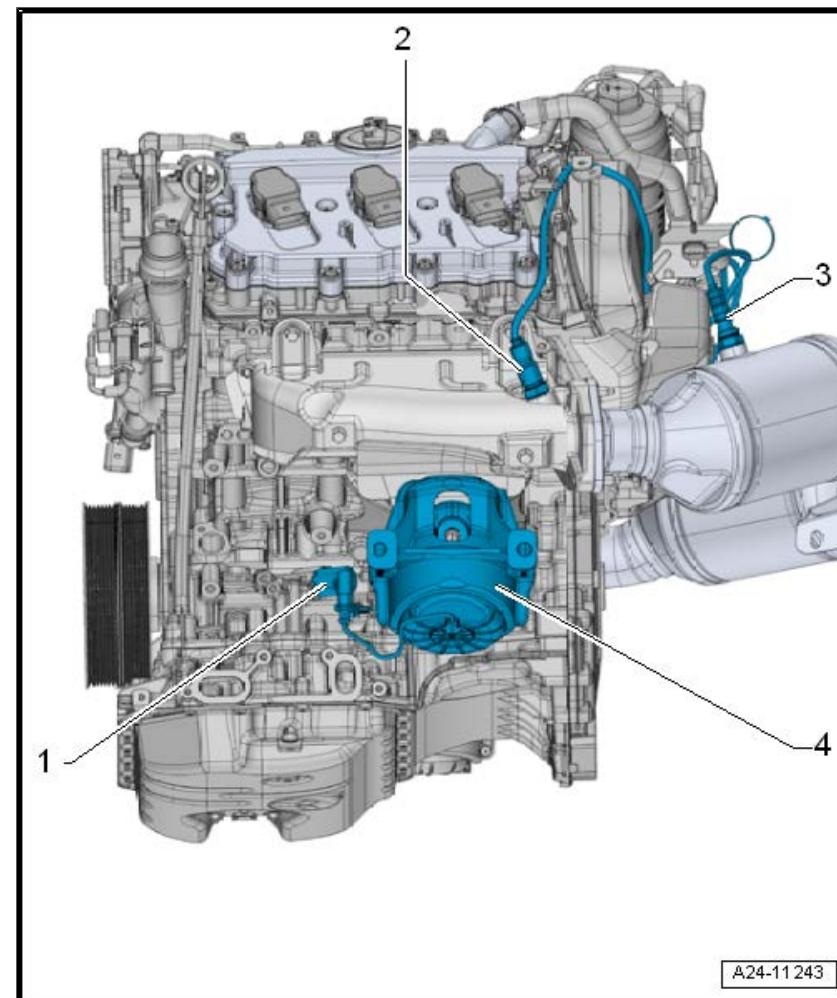
- 1 - Right electrohydraulic engine mount solenoid valve -N145- left side ⇒ [Item 4 \(page 34\)](#)
- 2 - Heated oxygen sensor 2 -G108- with Oxygen sensor 2 heater -Z28-
- 3 - Heated oxygen sensor -G39- with Oxygen sensor heater -Z19-
- 4 - Oil level thermal sensor -G266-



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## 1.4.5 3.0L TFSI CTUC/CTUD Left Side

- 1 - Oil pressure regulation valve -N428-
- 2 - Oxygen sensor after three way catalytic converter -G130- with Heater for oxygen sensor 1 after catalytic converter -Z29-
- 3 - Oxygen sensor 2 after catalytic converter -G131- with Heater for oxygen sensor 2 after catalytic converter -Z30-
- 4 - Left electrohydraulic engine mount solenoid valve -N144-

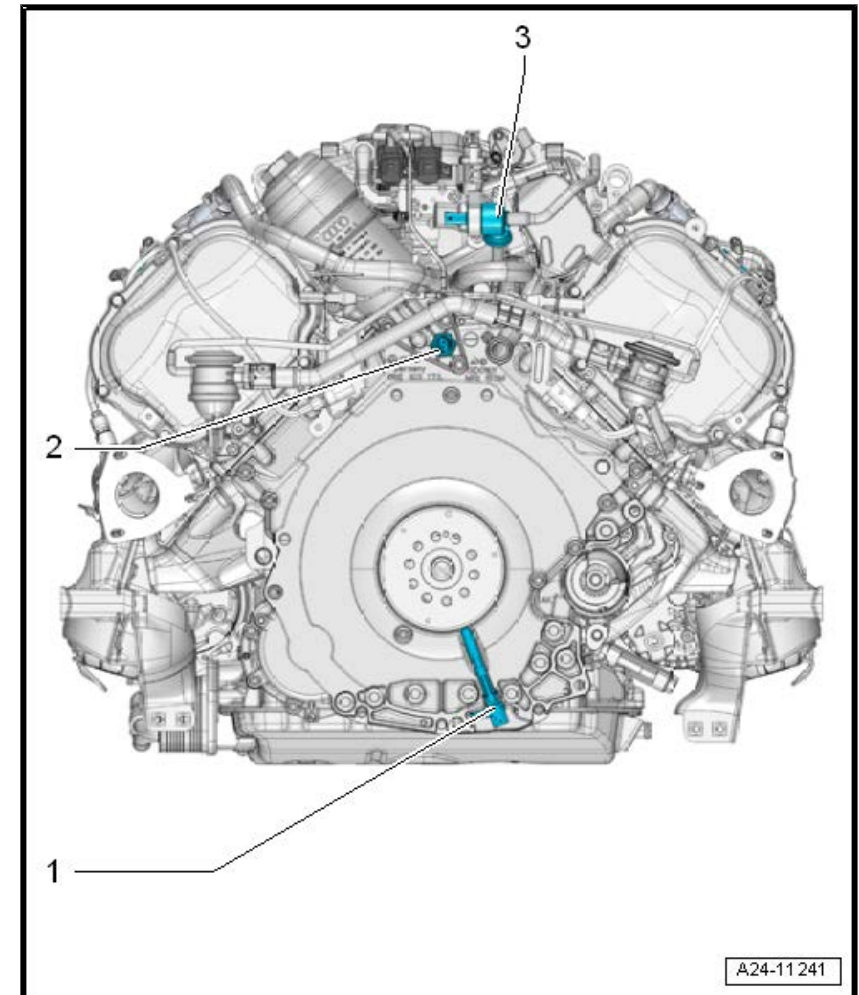


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### 1.4.6 3.0L TFSI CTUC/CTUD Rear View

- 1 - Engine speed sensor -G28-
- 2 - Oil pressure switch -F22-
- 3 - Crankcase ventilation shut-off valve -N548-





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Secondary air injection pump motor -V101-

Top ⇒ [page 1](#)



Charge air pressure sensor -G31- / Intake manifold temperature sensor -G72-

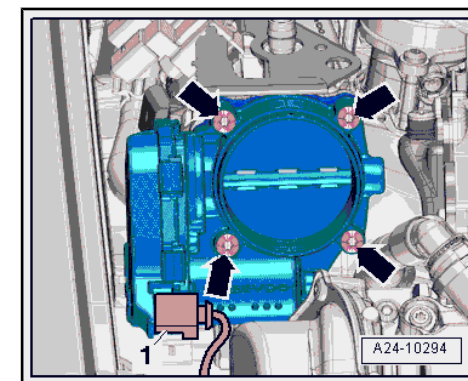
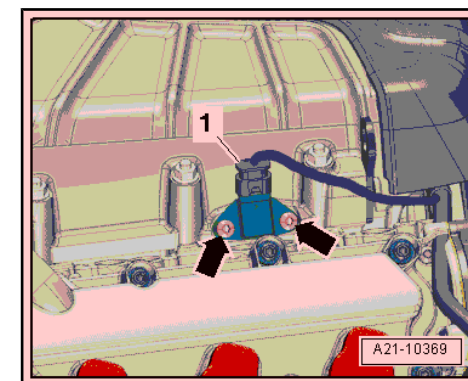
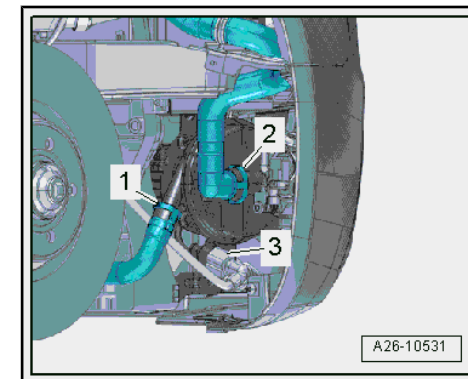
Charge air pressure sensor -G31- / Intake manifold temperature sensor -G72- shown, Intake air temperature sensor 2 -G430- / Charge air pressure sensor 2 -G447- similar

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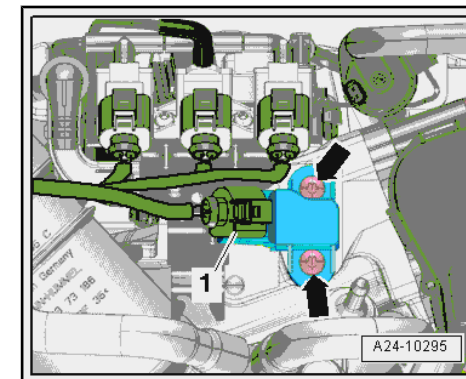
Throttle valve control module -J338-

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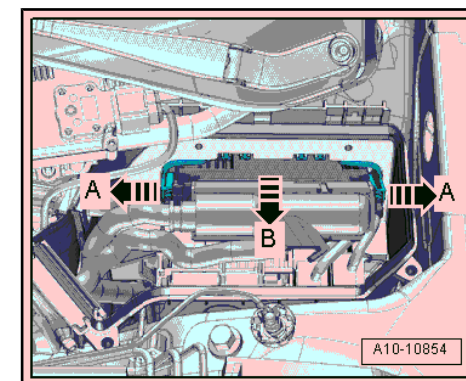
Intake air temperature sensor -G42- / Manifold absolute pressure sensor -G71-

Top ⇒ [page 1](#)



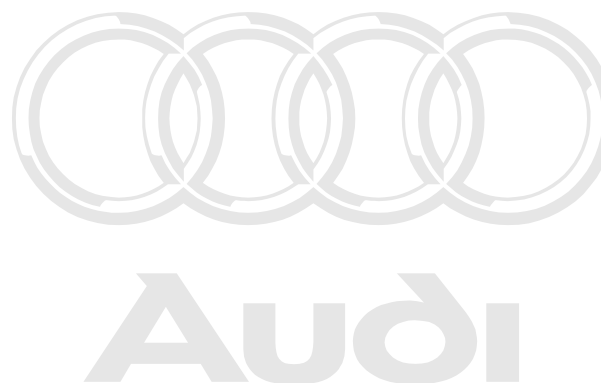
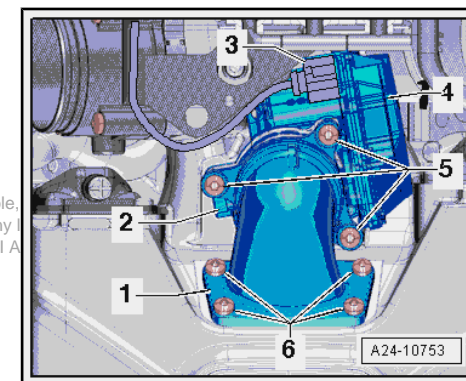
Engine control module -J623-

Top ⇒ [page 1](#)



Control valve control unit -J808-

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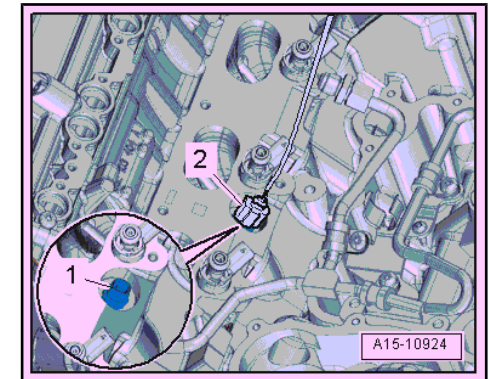
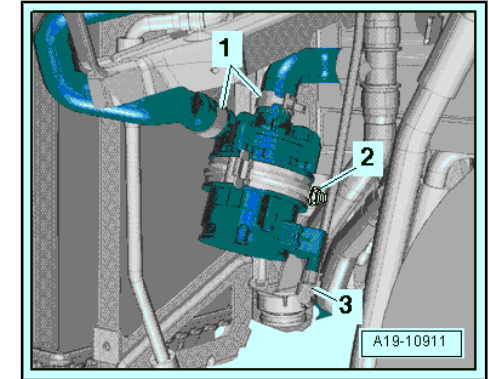
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### Engine temperature control sensor -G694-

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## Engine Ignition

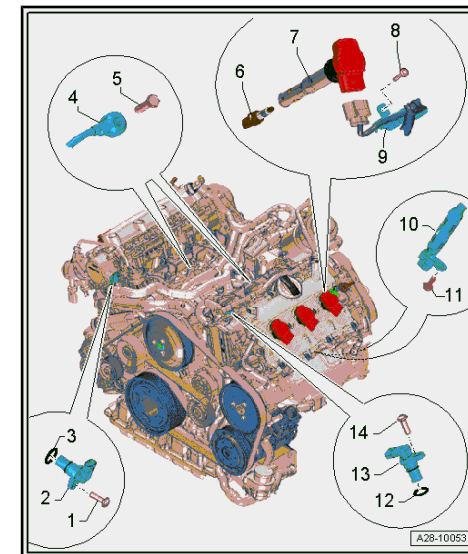
2 - Camshaft position sensor -G40-

4 - Knock sensor 1 -G61- / Knock sensor 2 -G66-

10 - Engine speed sensor -G28-

13 - Camshaft position sensor 2 -G163-

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## Assembly Overview - Intake manifold, Fuel Rail, Injector

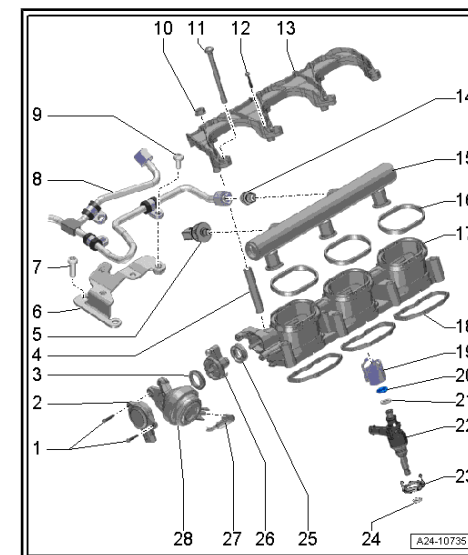
2 - Intake manifold runner position sensor 2 -G512- includes Intake manifold runner position sensor -G336-

5 - Fuel pressure sensor -G247-

27 - Intake manifold runner control valve -N316-

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Reduced oil pressure switch -F378-

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### Secondary Air Injection System

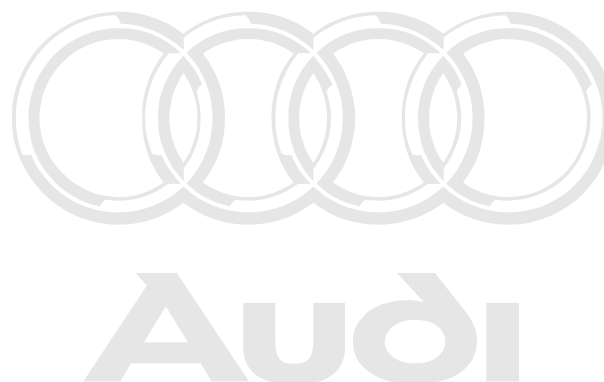
3 - Secondary air injection pump motor -V101-

11 - . Secondary air injection solenoid valve -N112-

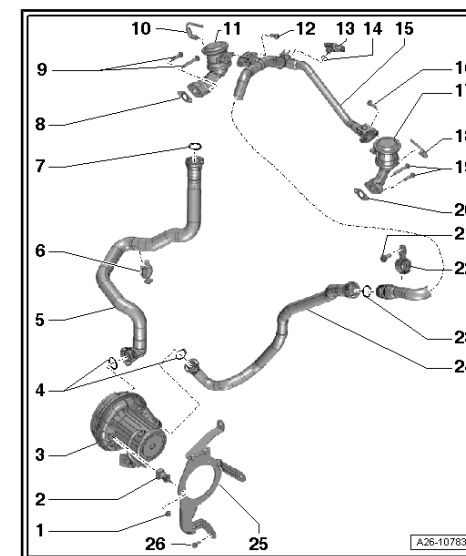
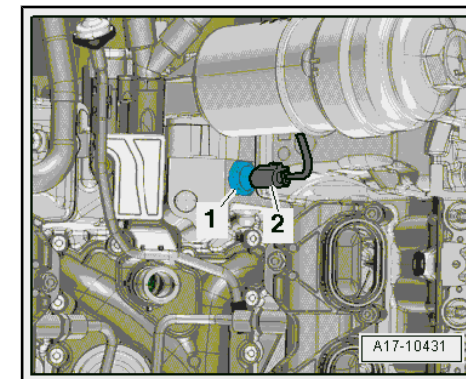
13 - Secondary air injection sensor 1 -G609-

17 - Secondary air injection solenoid valve 2 -N320-

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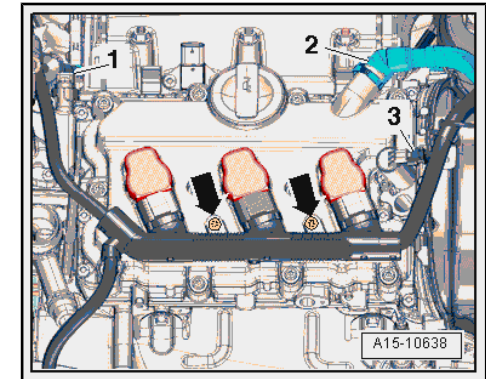
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**Camshaft adjustment valve 2 -N208-**

3 - Camshaft adjustment valve 2 -N208-

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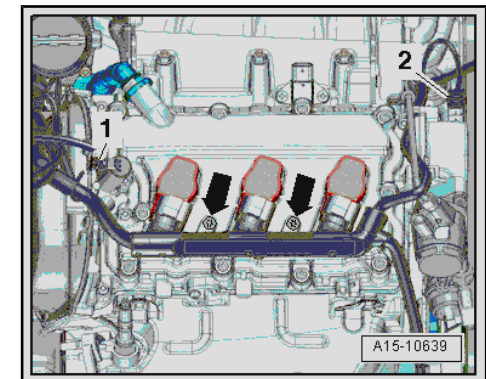


1 - Camshaft adjustment valve 1 -N205-

2 - Camshaft position sensor -G40-

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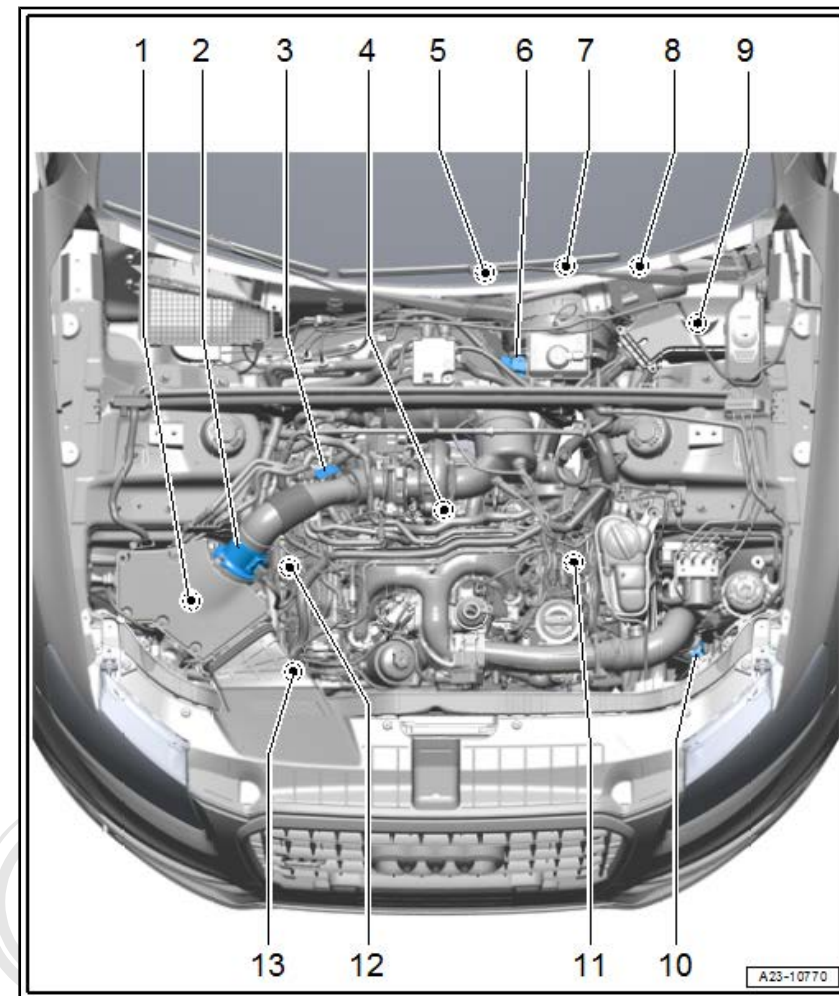


## 1.5 3.0L TDI CPNB Overview

- ♦ ⇒ [“1.5.1 3.0L TDI CPNB Engine Compartment”, page 41](#)
- ♦ ⇒ [“1.5.2 3.0L TDI CPNB Top View”, page 44](#)
- ♦ ⇒ [“1.5.3 3.0L TDI CPNB Front View”, page 47](#)

### 1.5.1 3.0L TDI CPNB Engine Compartment

- 1 - Air filter bypass door valve -N275-
- 2 - Mass airflow sensor -G70-
- 3 - Differential pressure sensor -G505- [⇒ page 43](#)
- 4 - Engine speed sensor -G28-
  - ❑ Located on lower rear of engine near transmission.
- 5 - Accelerator pedal position sensor -G79- / Accelerator pedal position sensor 2 -G185-
  - ❑ [⇒ "1.8.2 Accelerator Pedal Module Assembly Overview", page 66](#)
- 6 - Brake booster pressure sensor -G294- [⇒ page 44](#)
- 7 - Brake lamp switch -F- / Brake pedal switch -F47-
  - ❑ [⇒ "1.8.2 Accelerator Pedal Module Assembly Overview", page 66](#)
- 8 - Clutch position sensor -G476-
  - ❑ [⇒ "1.8.2 Accelerator Pedal Module Assembly Overview", page 66](#)
- 9 - Engine control module -J623-
- 10 - Charge air pressure sensor -G31- / Intake air temperature sensor -G42- [⇒ page 44](#)
- 11 - Left electrohydraulic engine mount solenoid valve -N144-
- 12 - Right electrohydraulic engine mount solenoid valve -N145-
- 13 - Engine coolant temperature sensor on radiator outlet -G83- [⇒ page 43](#)





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Engine coolant temperature sensor on radiator outlet -G83-

Top ⇒ [page 1](#)

Brake lamp switch -F-

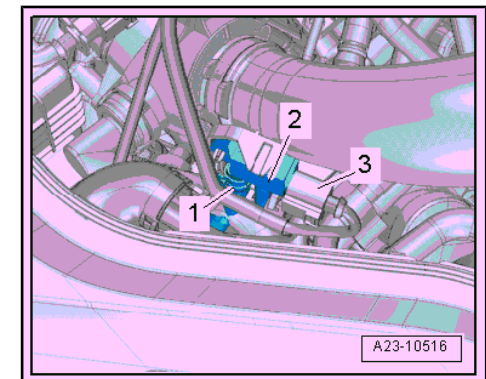
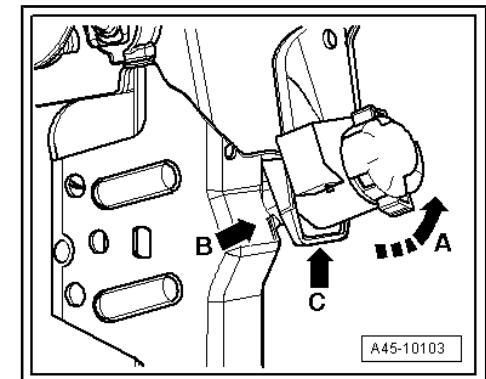
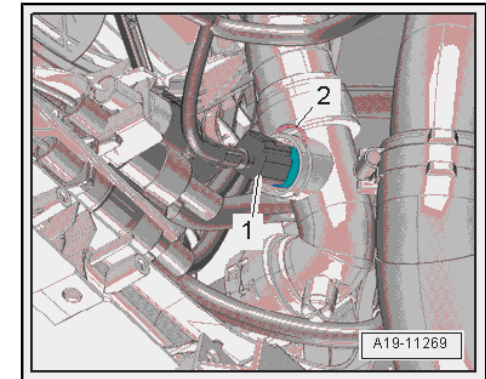
Differential pressure sensor -G505-

2 - Differential pressure sensor -G505-

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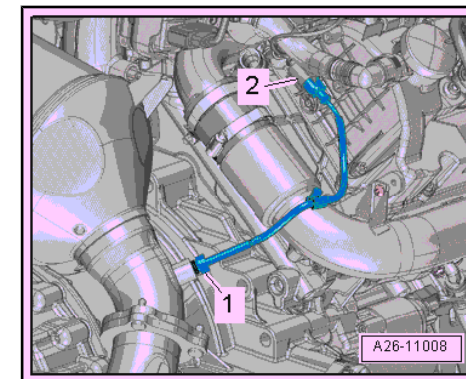


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## Exhaust gas temperature sensor 4 -G648-

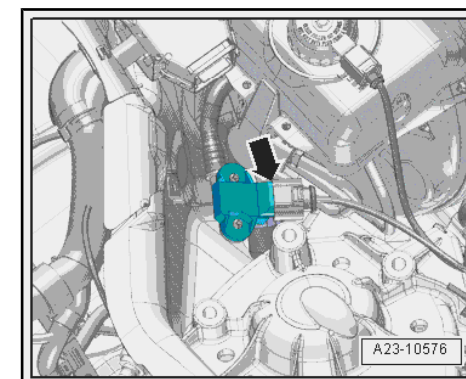
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## Brake booster pressure sensor -G294-

- ◆ The Brake booster pressure sensor -G294- is installed inside the plenum chamber in front of the brake booster.
- ◆ The plenum chamber cover must be removed

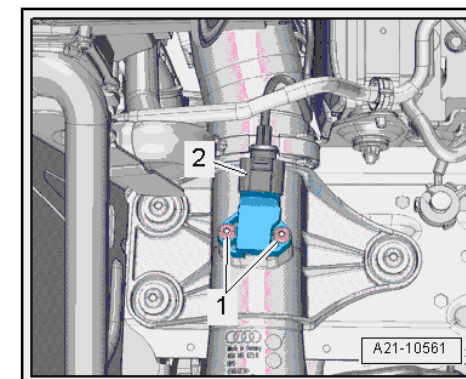
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## Charge air pressure sensor -G31- / Intake air temperature sensor -G42-

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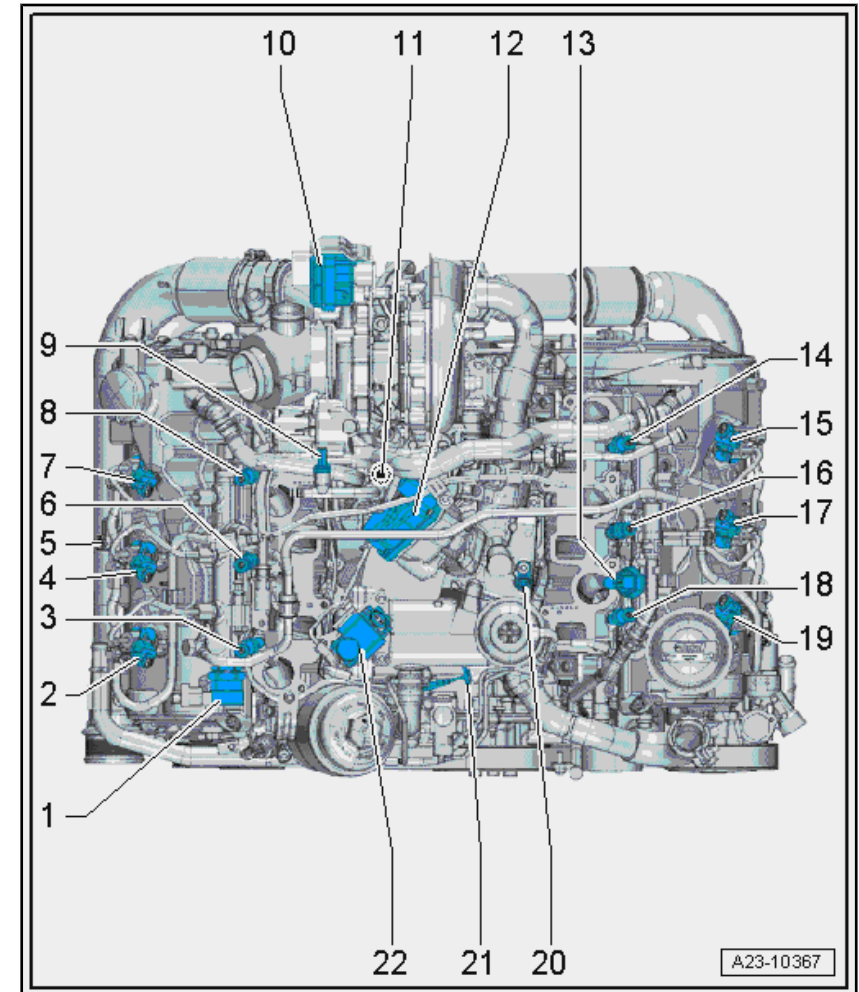
## 1.5.2 3.0L TDI CPNB Top View



- 1 - Fuel pressure regulator valve -N276- ⇒ [page 46](#)
- 5 - Camshaft position sensor -G40- ⇒ [page 46](#)
- 9 - Fuel temperature sensor -G81-
- 10 - Turbocharger control module 1 -J724-
- 11 - Fuel metering valve -N290- ⇒ [page 46](#)
- 12 - EGR motor -V338- ⇒ [page 47](#)
- 13 - Fuel pressure sensor -G247- ⇒ [page 47](#)
- 20 - Engine coolant temperature sensor -G62-
- 21 - EGR temperature sensor -G98- ⇒ [page 47](#)
- 22 - Cylinder head coolant valve -N489-



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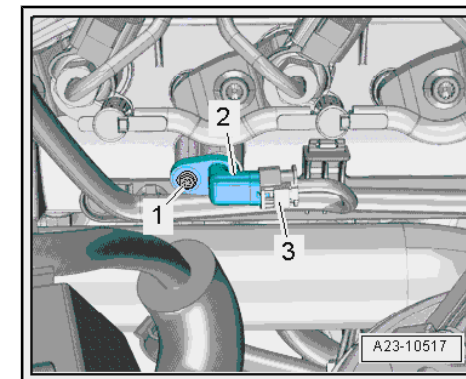


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**Camshaft position sensor -G40-**

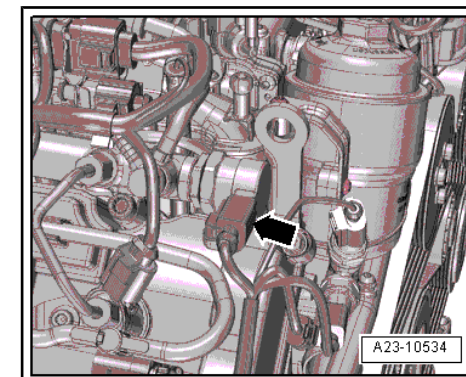
2 - Camshaft position sensor -G40-

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**Fuel pressure regulator valve -N276-**

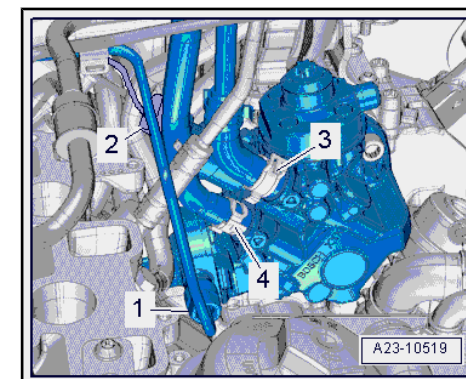
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**Fuel metering valve -N290-**

2 - Fuel metering valve -N290-

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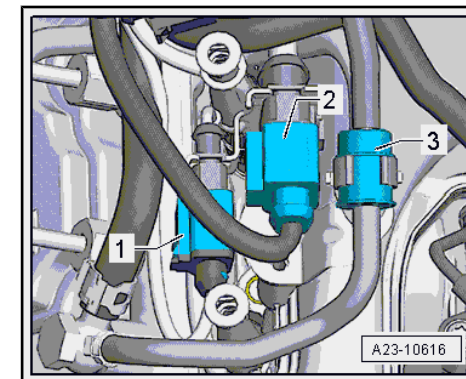


EGR temperature sensor -G98- / Map controlled engine cooling thermostat -F265- / EGR motor -V338-

1 - EGR temperature sensor -G98-

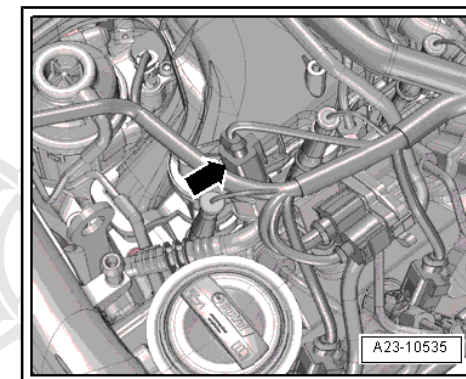
2 - Map controlled engine cooling thermostat -F265- / EGR motor -V338-

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Fuel pressure sensor -G247-

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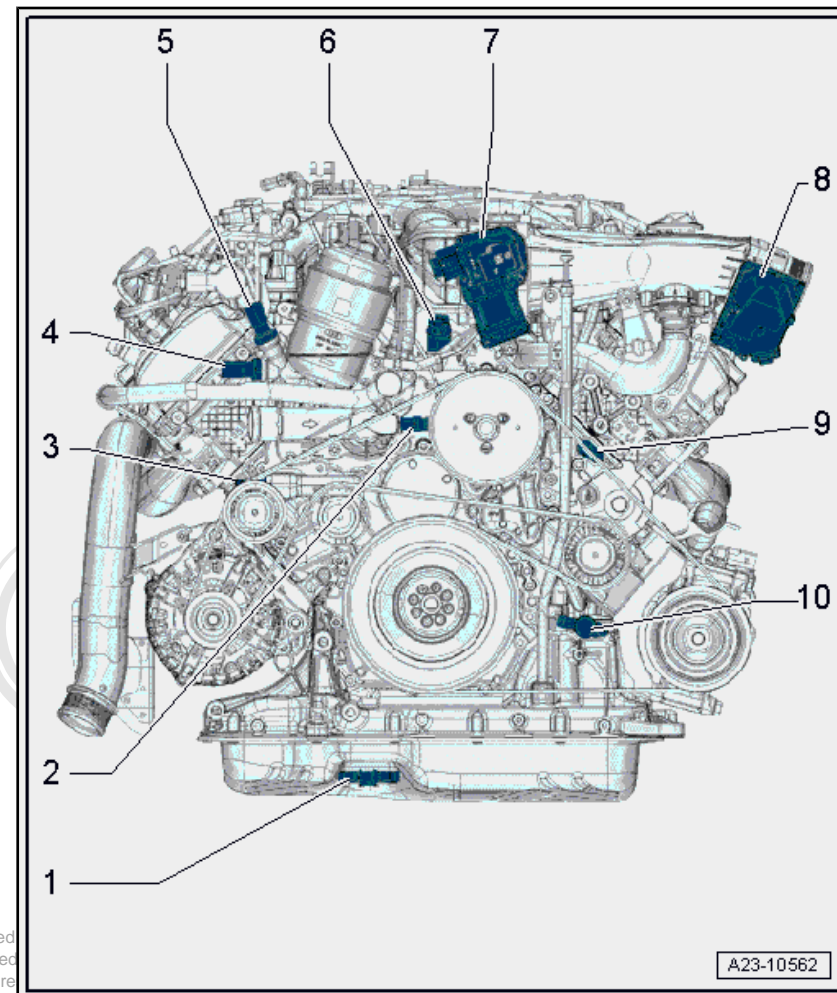


### 1.5.3 3.0L TDI CPNB Front View

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- 1 - Oil level thermal sensor -G266-
- 2 - Map controlled engine cooling thermostat -F265- ➔ [page 47](#)
- 3 - Oil temperature sensor 2 -G664- ➔ [page 49](#)
- 4 - Oil pressure switch -F22-
- 5 - Reduced oil pressure switch -F378-
- 6 - EGR cooler switch-over valve -N345-
- 7 - Intake flap motor -V157-
- 8 - Throttle valve control module -J338-
- 9 - Engine temperature control sensor -G694- ➔ [page 49](#)
- 10 - Oil pressure regulation valve -N428- ➔ [page 51](#)

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**Engine temperature control sensor -G694-**

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**Oil temperature sensor 2 -G664-**

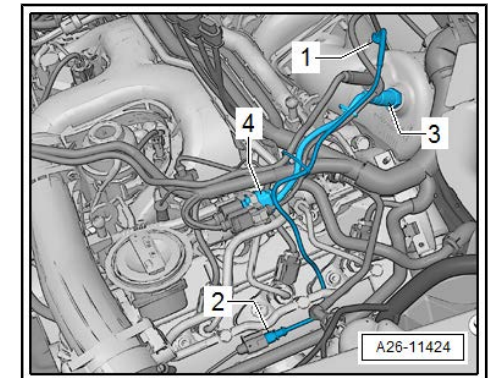
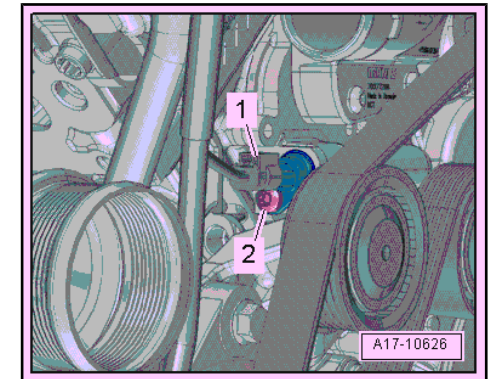
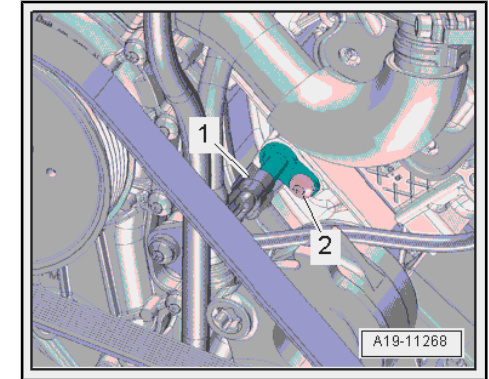
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**Exhaust gas temperature sensor 2 -G448-**

2 - Exhaust gas temperature sensor 2 -G448-

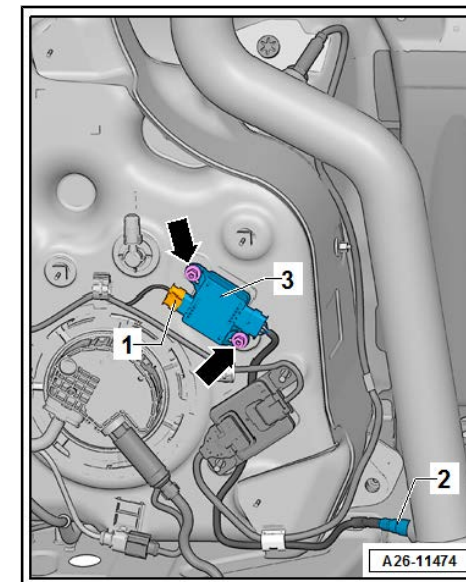
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**Particulate sensor -G784-**

1 - Particulate sensor -G784-

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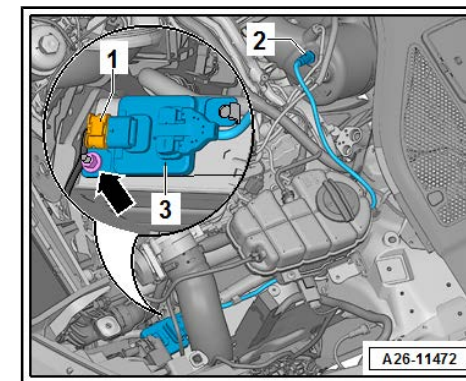


**NOx sensor -G295- / NOx sensor control module -J583-**

1 - NOx sensor -G295-

3 - NOx sensor control module -J583-

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**NOx sensor control module 2 -J881- / NOx sensor 2 -G687-**

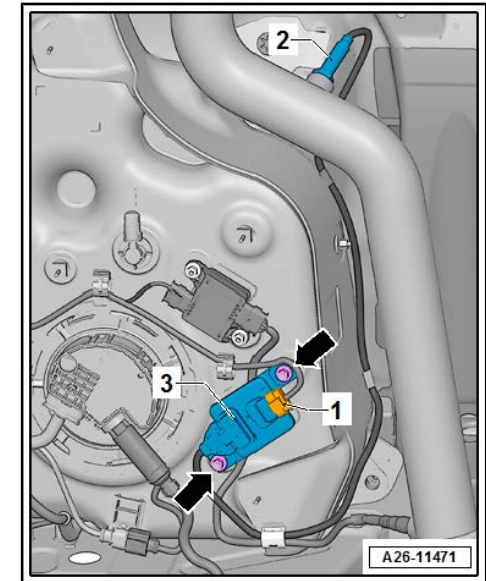
2 - NOx sensor control module 2 -J881-

3 - NOx sensor 2 -G687-

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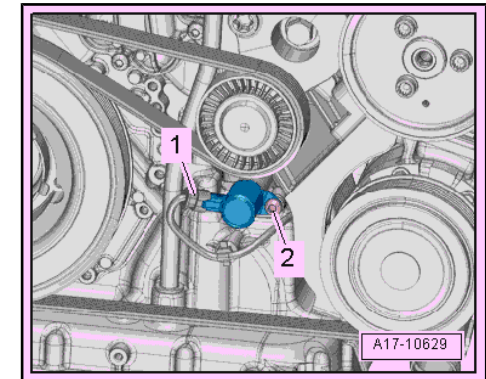


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**Oil pressure regulation valve -N428-**

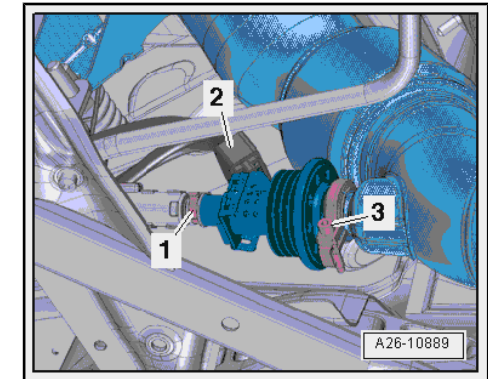
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## Reducing agent injector -N474-

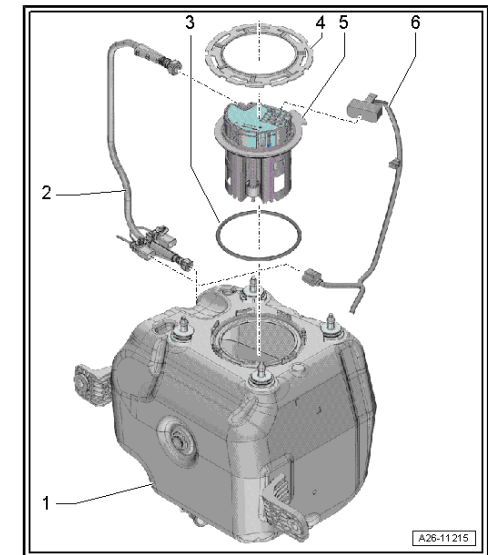
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## Reducing Agent Delivery Unit Pump

5 - Reducing Agent Delivery Unit which includes Reducing agent pump -V437- , Reducing agent metering system pressure sensor -G686- , Reducing agent reservoir sensor -G697- , Reducing agent temperature sensor -G685- and Reducing agent tank heater (heating circuit 1) -Z102-

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## 1.6 EVAP Canister Overview

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**9 - EVAP canister**

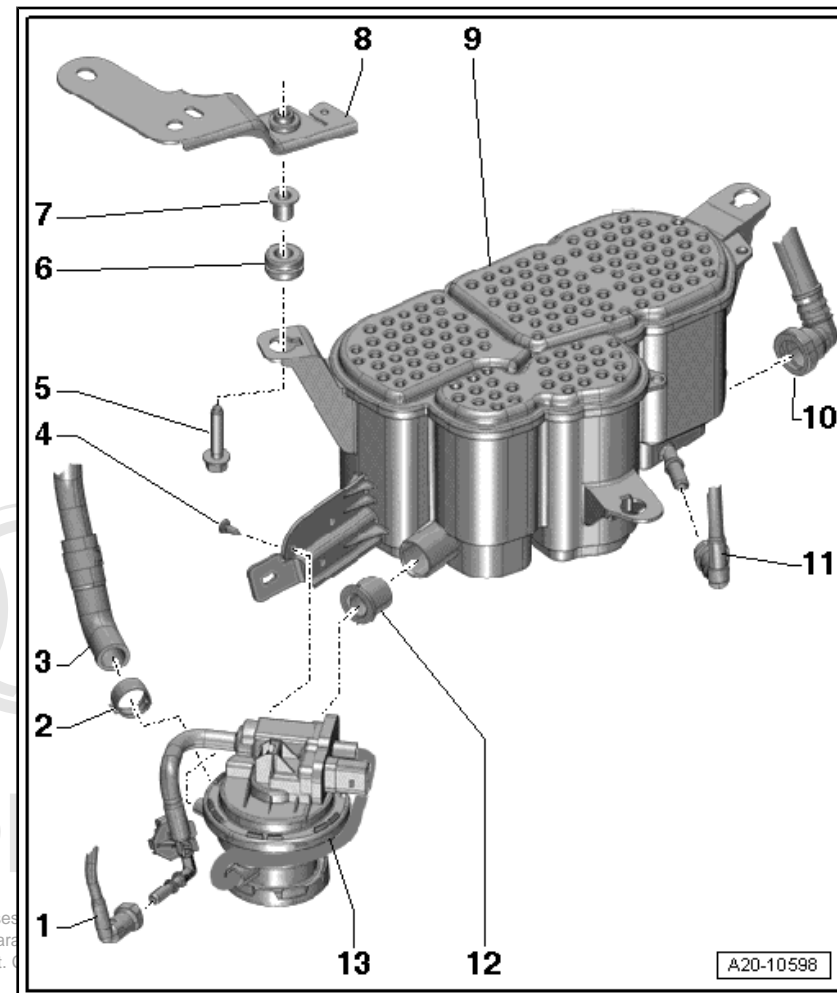
- ❑ Located at the bottom of spare wheel well

**13 - Leak Detection Pump (LDP) -V144-**

- ❑ Located on the vehicle floor under the rear left floor panel



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For 2.0L Gasoline engine

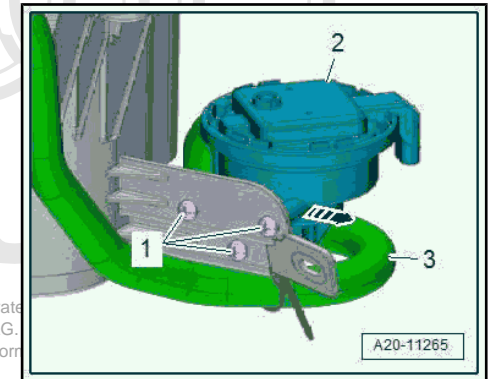
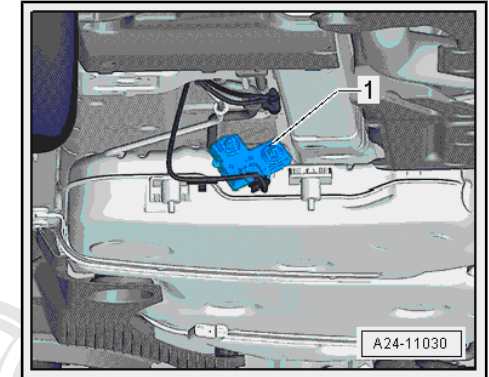
Fuel Tank Pressure Sensor -G400- / Fuel tank leak detection control module -J909-

For 3.0L Gasoline engine

Fuel Tank Pressure Sensor -G400- / Fuel tank leak detection control module -J909-

Located on the vehicle floor under the rear left floor panel

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## 1.7 Exhaust System Overview

- ◆ ⇒ [“1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview”, page 58](#)
- ◆ ⇒ [“1.7.1 2.0L TFSI CAEB/CPMA/CPMB Oxygen Sensor Overview”, page 56](#)
- ◆ ⇒ [“1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview”, page 56](#)
- ◆ ⇒ [“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61](#)
- ◆ ⇒ [“1.7.3 3.2L TFSI CALB Oxygen Sensor Overview”, page 58](#)



<b>Heated oxygen sensor -G39-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview”, page 58</a></li> <li>◆ ⇒ <a href="#">“1.7.1 2.0L TFSI CAEB/CPMA/CPMB Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> <li>◆ ⇒ <a href="#">“1.7.3 3.2L TFSI CALB Oxygen Sensor Overview”, page 58</a></li> </ul>	<b>Oxygen sensor after three way catalytic converter -G130-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview”, page 58</a></li> <li>◆ ⇒ <a href="#">“1.7.1 2.0L TFSI CAEB/CPMA/CPMB Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.3 3.2L TFSI CALB Oxygen Sensor Overview”, page 58</a></li> </ul>	<b>Differential pressure sensor -G505-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>
<b>Heated oxygen sensor 2 -G108-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview”, page 58</a></li> <li>◆ ⇒ <a href="#">“1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.3 3.2L TFSI CALB Oxygen Sensor Overview”, page 58</a></li> </ul>	<b>Oxygen sensor 2 after catalytic converter -G131-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview”, page 58</a></li> <li>◆ ⇒ <a href="#">“1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview”, page 56</a></li> <li>◆ ⇒ <a href="#">“1.7.3 3.2L TFSI CALB Oxygen Sensor Overview”, page 58</a></li> </ul>	<b>Particulate sensor -G784-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>
<b>NOx sensor control module 2 -J881- with NOx sensor 2 -G687-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>	<b>Exhaust gas temperature sensor 3 -G495-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>	<b>Exhaust gas temperature sensor 4 -G648-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>
<b>NOx sensor control module -J583- with NOx sensor -G295-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>	<b>Exhaust gas temperature sensor 2 -G448-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>	<b>Exhaust gas temperature sensor 1 -G235-</b> <ul style="list-style-type: none"> <li>◆ ⇒ <a href="#">“1.7.5 3.0L TDI CPNB Exhaust System Overview”, page 61</a></li> </ul>

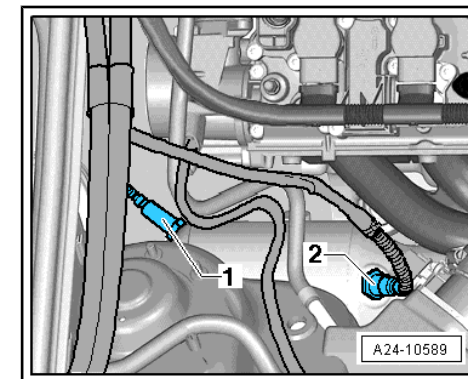
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### 1.7.1 2.0L TFSI CAEB/CPMA/CPMB Oxygen Sensor Overview

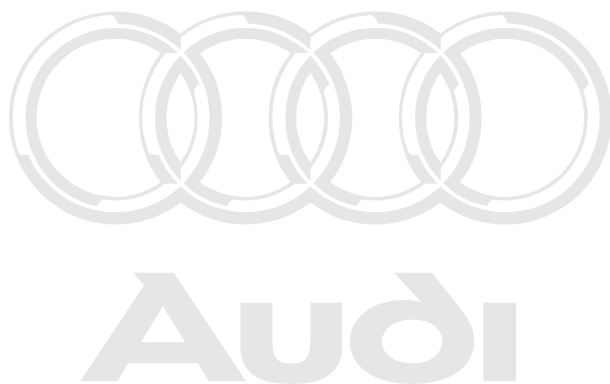
1 - Oxygen sensor after three way catalytic converter -G130- with Heater for oxygen sensor 1 after catalytic converter -Z29-

2 - Heated oxygen sensor -G39- with Oxygen sensor heater -Z19-

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### 1.7.2 3.0L TFSI CTUC/CTUD Oxygen Sensor Overview

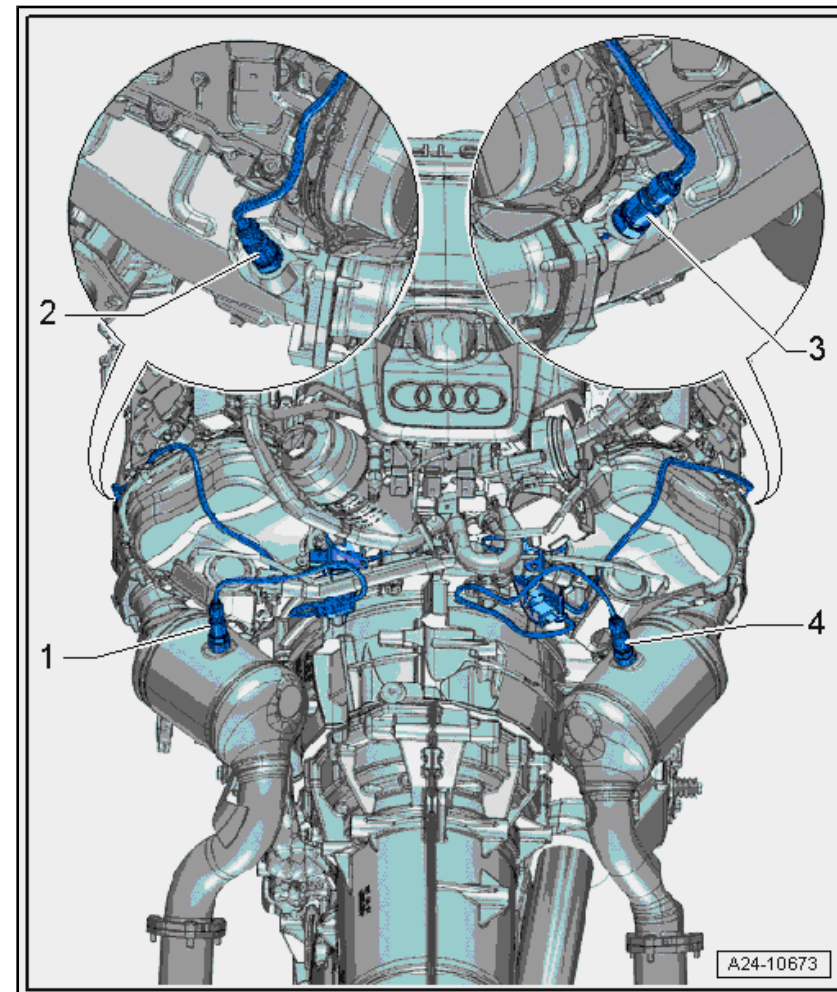


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- 1 - Oxygen sensor 2 after catalytic converter -G131- with Heater for oxygen sensor 2 after catalytic converter -Z30-
- 2 - Heated oxygen sensor 2 -G108- with Oxygen sensor 2 heater -Z28-
- 3 - Heated Oxygen Sensor (HO2S) -G39- with Oxygen Sensor (O2S) Heater -Z19-
- 4 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter -G130- with Oxygen Sensor O2S) 1 Heater -Z29-



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### 1.7.3 3.2L TFSI CALB Oxygen Sensor Overview

#### Oxygen Sensors Left

1 - Heated Oxygen Sensor (HO2S) 2 -G108- Integrated with Oxygen Sensor (O2S) 2 Heater -Z28-

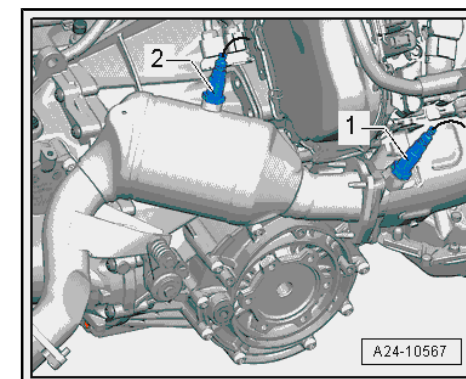
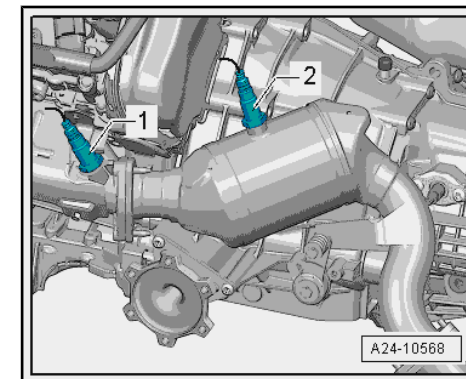
2 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter -G131- Integrated with Oxygen Sensor (O2S) 2 Heater -Z30-

#### Oxygen Sensors Right

1 - Heated Oxygen Sensor (HO2S) -G39- with Oxygen Sensor (O2S) Heater -Z19-

2 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter -G130- with Oxygen Sensor (O2S) 1 Heater -Z29-

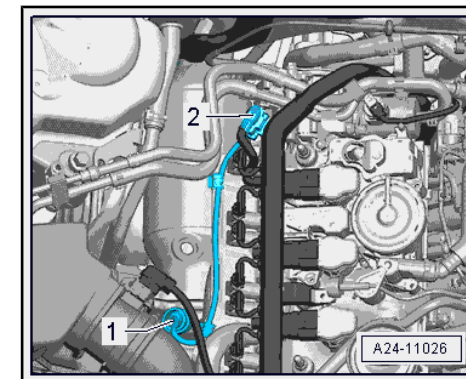
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### 1.7.4 2.0L TFSI CHJA Oxygen Sensor Overview

#### Heated Oxygen Sensor

1 - Heated Oxygen Sensor (HO2S) -G39-



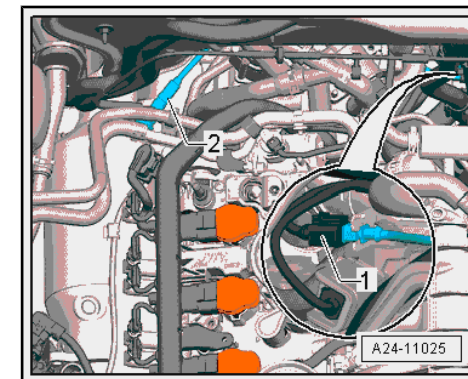
### Heated Oxygen Sensor

2 - Oxygen Sensor (O2S) after Three Way Catalytic Converter (TWC) -G130-

Heated Oxygen Sensor (HO2S) -G39- and Oxygen Sensor (O2S) Heater -Z19- .

Oxygen Sensor (O2S) after Three Way Catalytic Converter (TWC) -G130- and Heater for Oxygen Sensor (O2S) 1 after Catalytic Converter -Z29- .

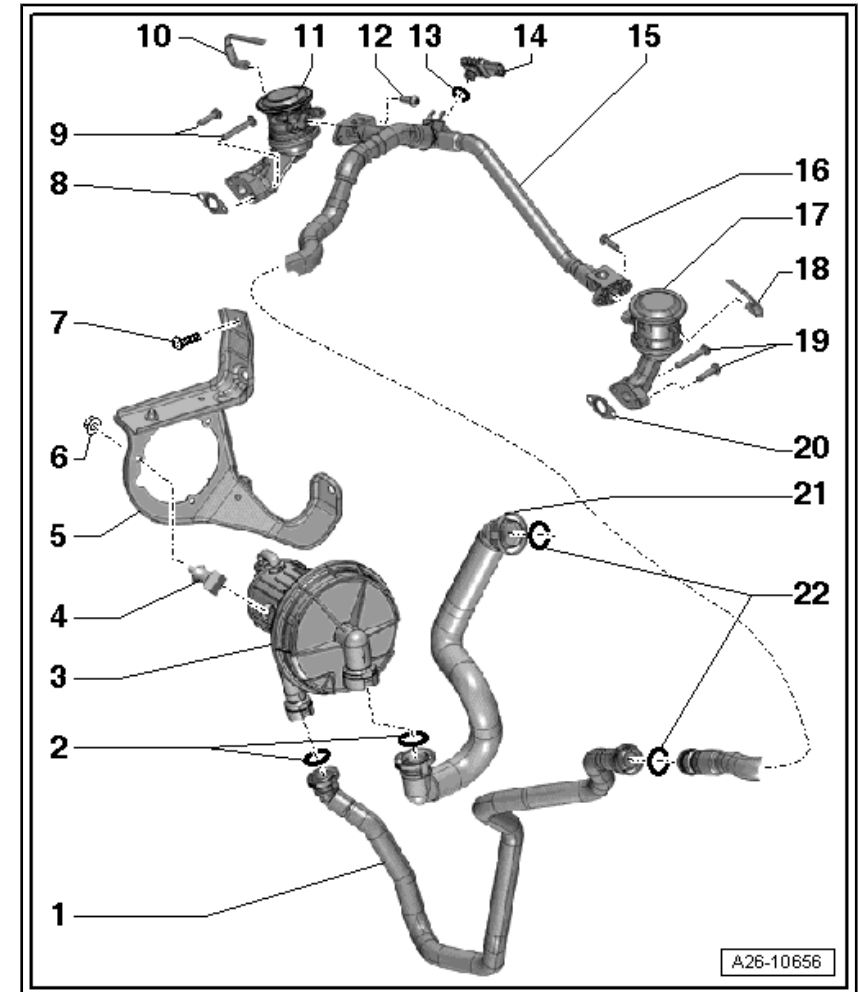
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### Secondary Air Injection System

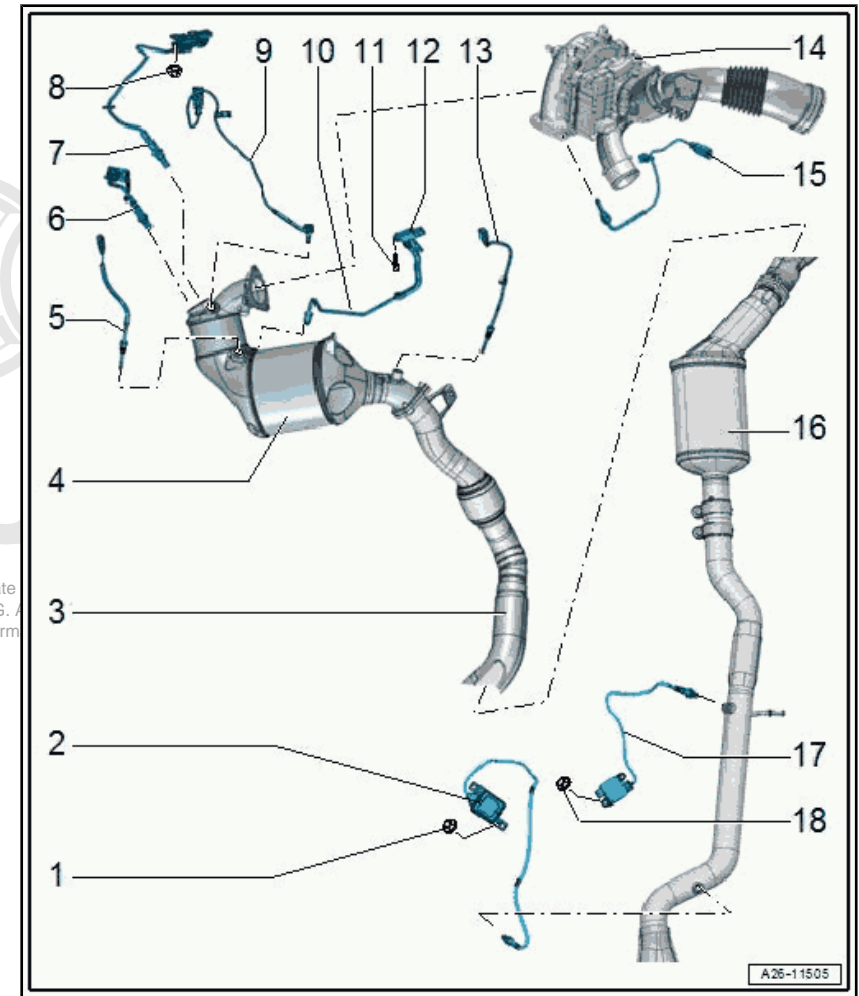
- 3 - Secondary Air Injection (AIR) Pump Motor -V101-
- 11 - Secondary Air Injection (AIR) Solenoid Valve -N112-
- 14 - Secondary Air Injection Sensor 1 -G609-
- 17 - Secondary Air Injection (AIR) Solenoid Valve 2 -N320-



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## 1.7.5 3.0L TDI CPNB Exhaust System Overview

- 2 - NOx sensor control module 2 -J881- with NOx sensor 2 -G687-
- 5 - Exhaust gas temperature sensor 3 -G495-
- 6 - Heated oxygen sensor -G39- with Oxygen sensor heater -Z19-
- 7 - NOx sensor control module -J583- with NOx sensor -G295-
- 9 - Exhaust gas temperature sensor 2 -G448-
- 12 - Differential pressure sensor -G505-
- 13 - Exhaust gas temperature sensor 4 -G648-
- 15 - Exhaust gas temperature sensor 1 -G235-
- 17 - Particulate sensor -G784-



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## 1.8 Cooling Fans and Cooling Pump Overview



**1 - Coolant Fan Control (FC) Control Module -J293-**

- ❑ Either separate or integrated in the coolant fan -V7-, depending on equipment

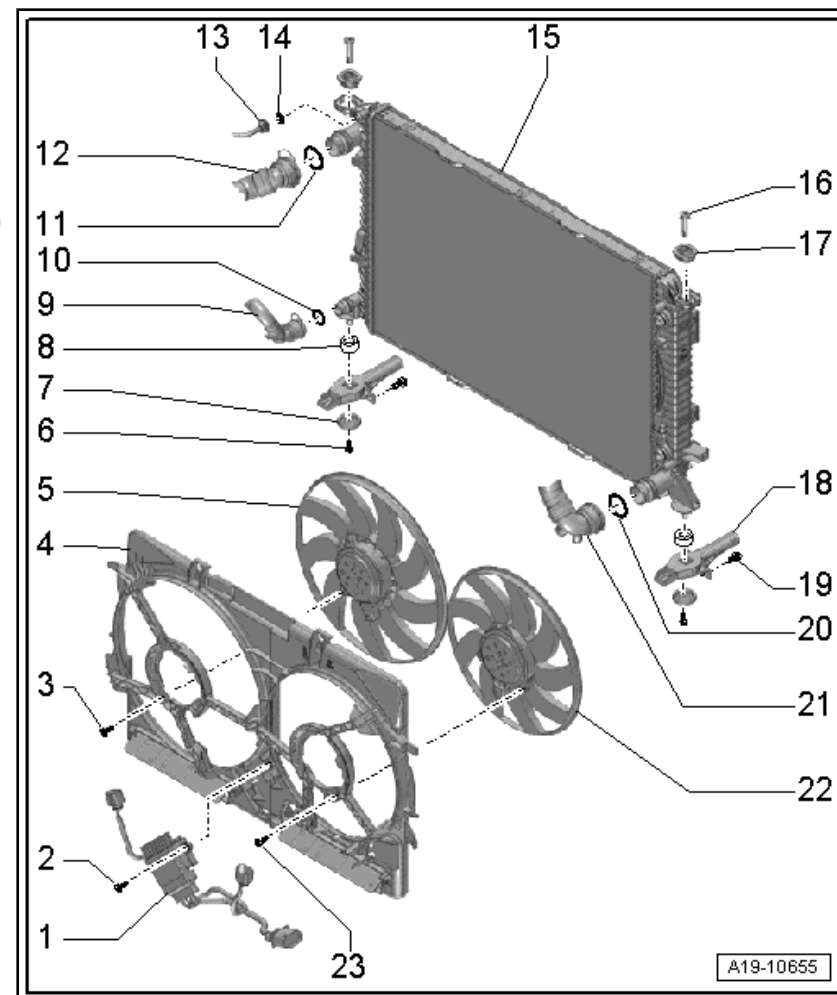
**5 - Coolant Fan -V7-**

- ❑ With integrated coolant fan control (FC) control module -J293- depending on equipment

**22 - Coolant Fan 2 -V177-**

- ❑ Integrated with Coolant Fan Control (FC) Control Module 2 -J671- (Radiator Fan Control 1000 W)
- ❑ Not with the 400 W fan activation

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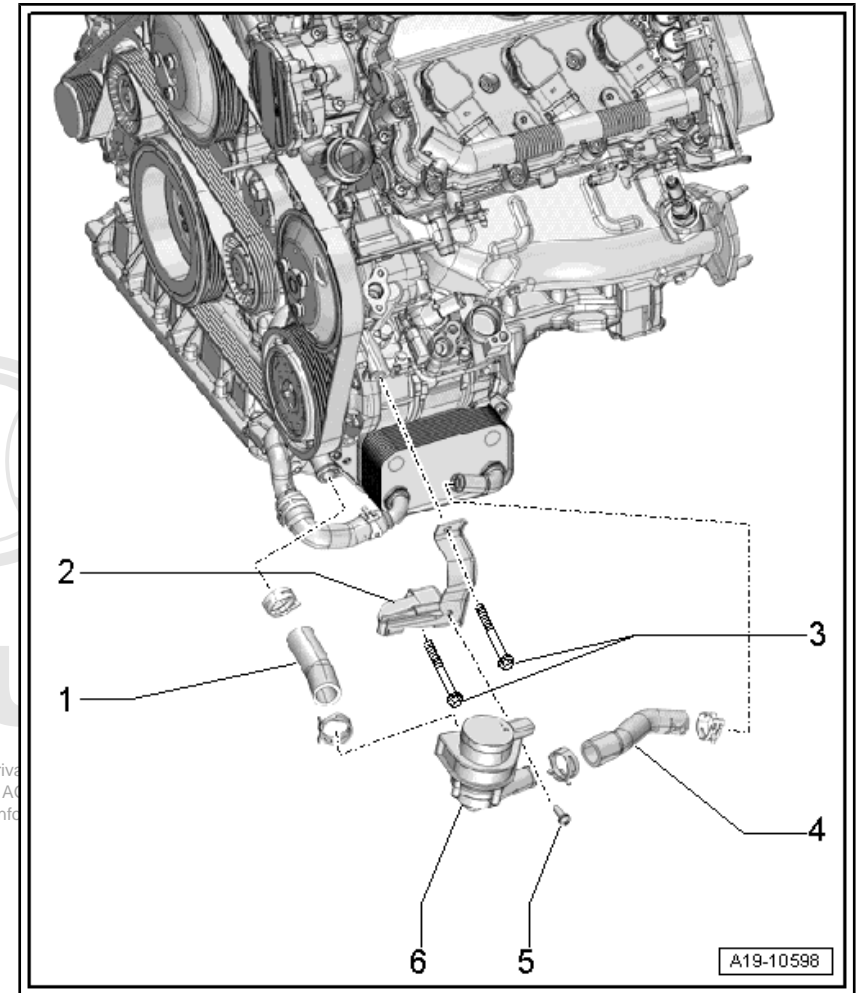




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After-Run Coolant Pump CTUC/CALB

6 - After-Run Coolant Pump -V51-

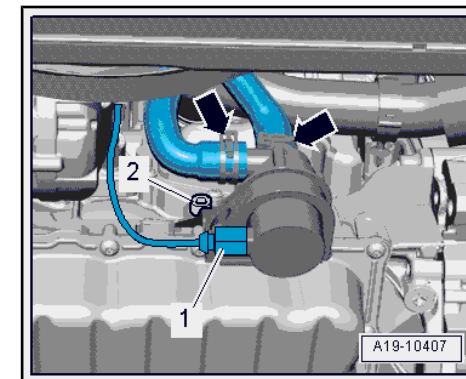


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### After-Run Coolant Pump, CAEB/CPMA

1 - After-Run Coolant Pump -V51-

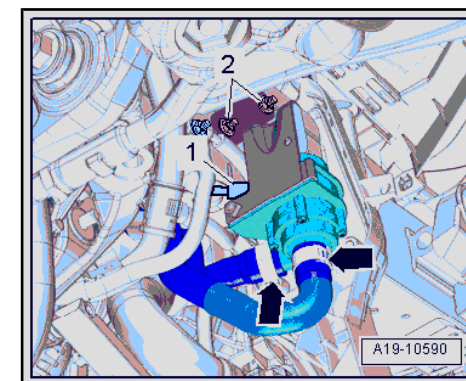
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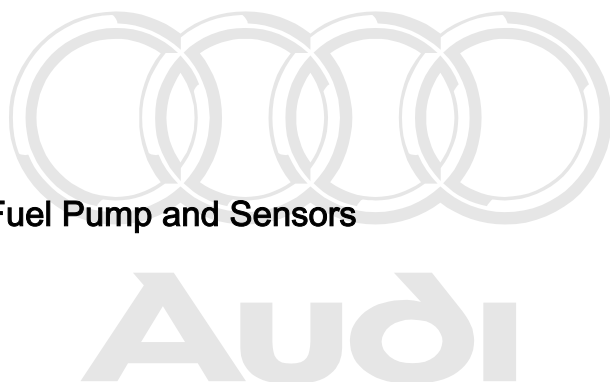
### Coolant Pump

1 - Connector for Coolant Pump -V50-

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## 1.8.1 Fuel Pump and Sensors

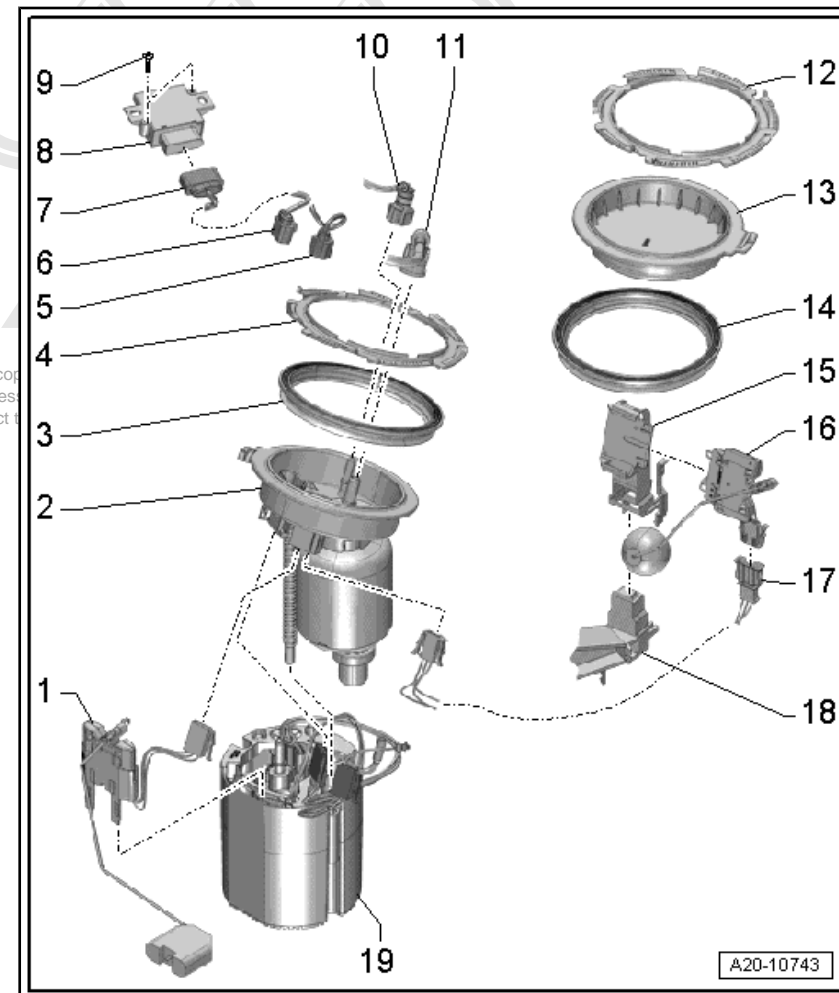


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Fuel delivery unit

- 1 - Fuel level sensor -G-
- 5 - Electrical connector for Fuel level sensor -G- and Fuel level sensor 2 -G169-
- 8 - Fuel pump control module -J538- ⇒ [page 66](#)
- 16 - Fuel level sensor 2 -G169-
- 19 - Fuel delivery unit with Transfer fuel pump -G6-

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#### Fuel pump control module -J538-

- ◆ Located between floor panel and fuel tank level with rear seat bench (right-side)

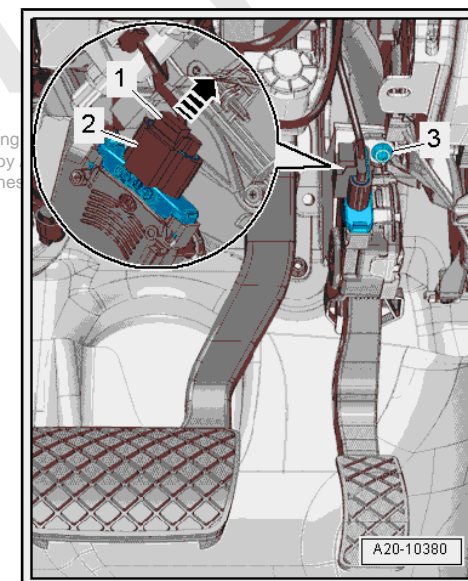
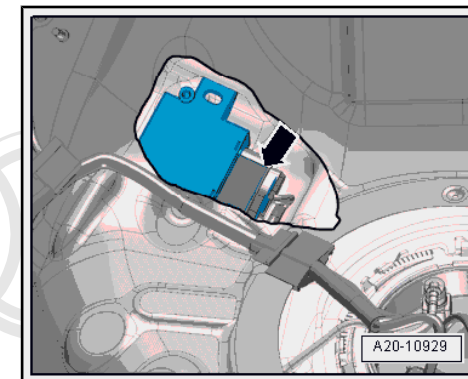
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### 1.8.2 Accelerator Pedal Module Assembly Overview

#### Accelerator Pedal Position Sensor -G79- / Accelerator Pedal Position Sensor 2 -G185-

- ◆ Inside the accelerator pedal module

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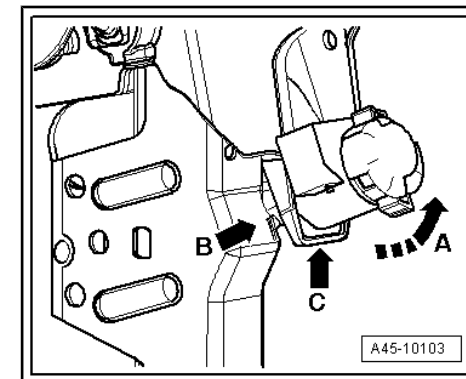


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### Installed Location Brake Lamp Switch -F-

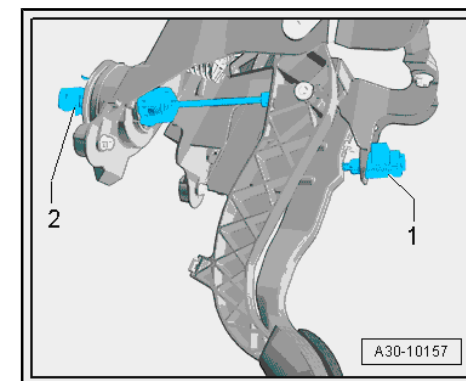
- ◆ Inside the footwell at the brake pedal

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### Clutch position sensor -G476-

2 - Clutch position sensor -G476- with Clutch pedal starter interlock switch -F194- for vehicles with manual transmission



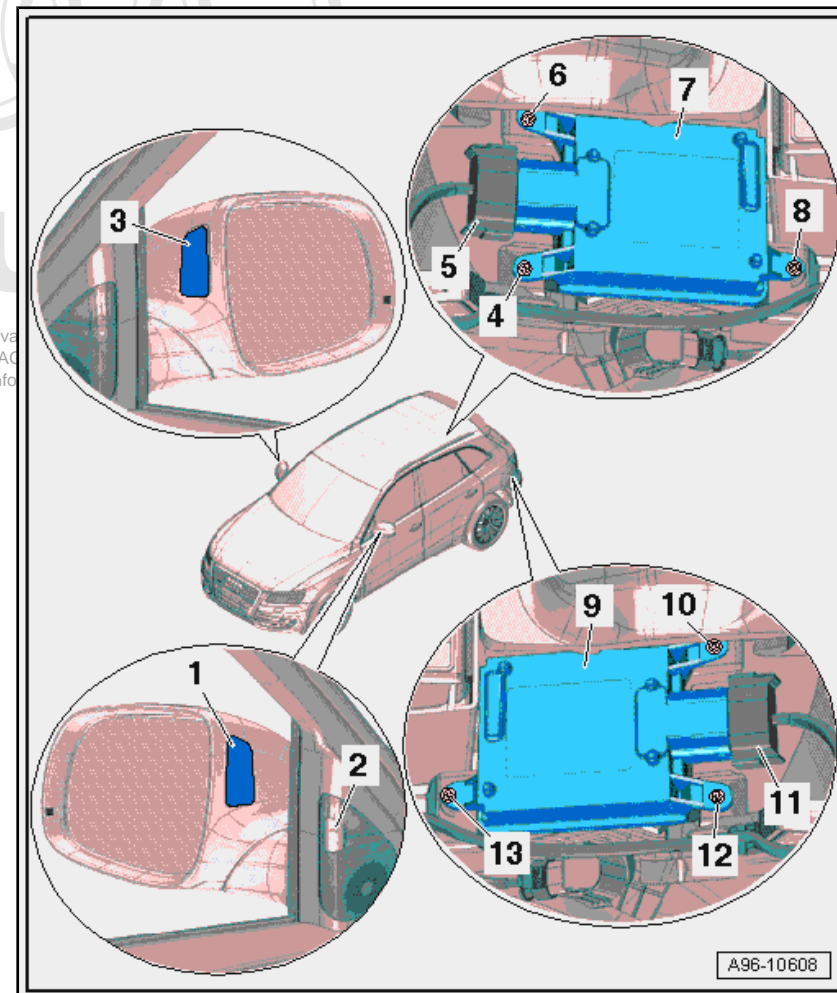
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## 1 Comp. Loc. Lane Assist

### 1.1 Lane Change Assistance Assembly Overview

- 1 - Lane Change Assistance Warning Lamp (in Driver exterior mirror) -K233-
- 2 - Lane Change Assistance Button -E530-
- 3 - Lane Change Assistance Warning Lamp (in front Passenger exterior mirror) -K234-
- 5 - Electrical Connector
- 7 - Lane Change Assistance Control Module 2 -J770-
- 9 - Lane Change Assistance Control Module -J769-
- 11 - Electrical Connector

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# 1 Comp. Loc. Park Aid

## 1.1 Parking Aid Assembly Overview

### 1 - Right Front Center Parking Aid Sensor -G253-

- ❑ Located in the radiator grille

### 2 - Right Front Parking Aid Sensor -G252-

- ❑ Located in the front bumper cover

### 3 - Parking Aid Button -E266-

- ❑ Only with 8-channel parking aid

### 4 - Rear Parking Aid Warning Buzzer -H15-

- ❑ Located on the back of the right D-pillar

### 8 - Parking Aid Control Module -J446-

- ❑ Located in the luggage compartment rear right below the side trim

### 11 - Right Rear Parking Aid Sensor -G206-

- ❑ Located in the rear bumper cover

### 12 - Right Rear Center Parking Aid Sensor -G205-

- ❑ Located in the rear bumper cover

### 13 - Left Rear Center Parking Aid Sensor -G204-

- ❑ Located in the rear bumper cover

### 14 - Left Rear Parking Aid Sensor -G203-

- ❑ Located in the rear bumper cover

### 16 - Front Parking Aid Warning Buzzer -H22-

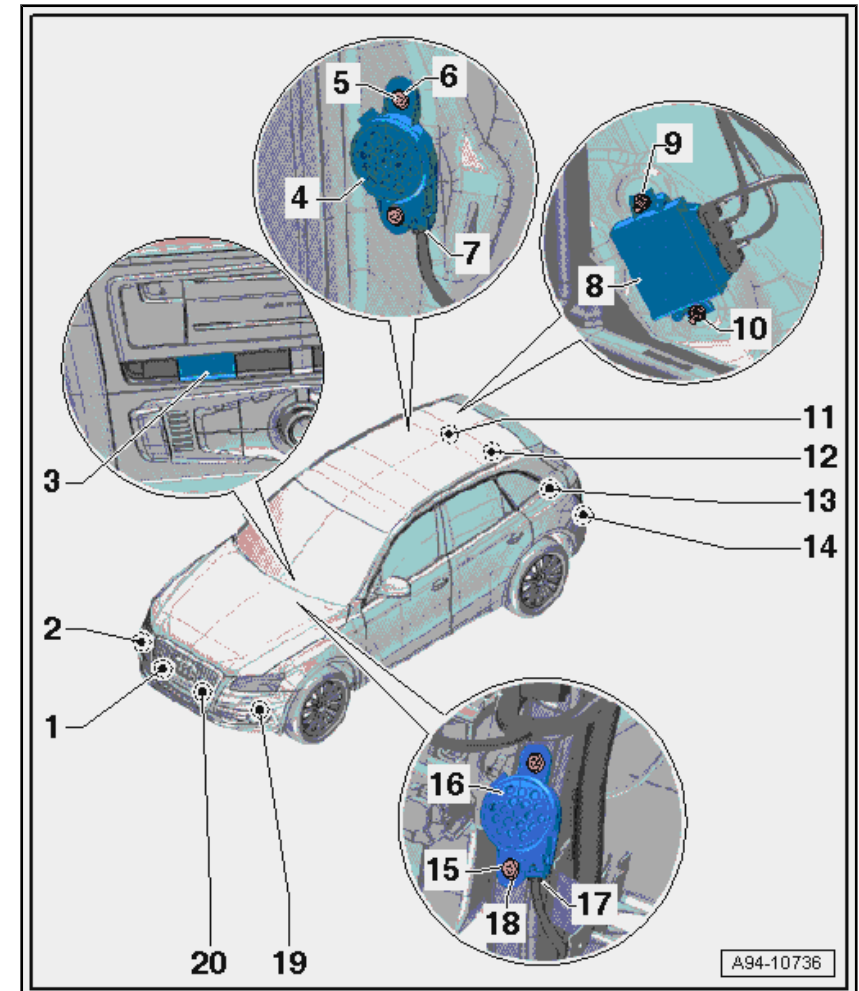
- ❑ Only with 8-channel parking aid
- ❑ Located at the instrument panel carrier behind the driver side storage compartment

### 19 - Left Front Parking Aid Sensor -G255-

- ❑ Located in the front bumper cover

### 20 - Left Front Center Parking Aid Sensor -G254-

- ❑ Located in the radiator grille

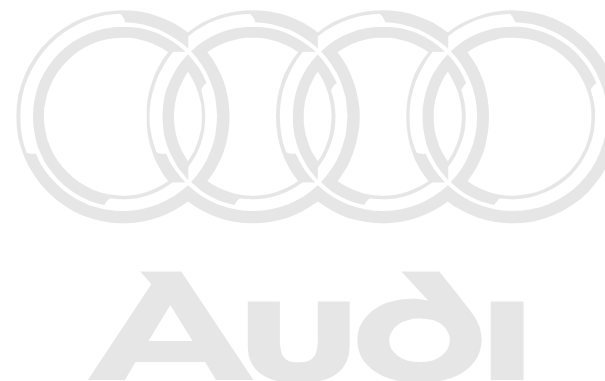


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## 1 Comp. Loc. Radio

Select a system or component below to navigate to a location view.

- ◆ ⇒ [“1.1 Radio System Component Overview”, page 2](#)
- ◆ ⇒ [“1.2 Sound System Component Overview”, page 3](#)
- ◆ ⇒ [“1.3 Navigation System Overview”, page 4](#)
- ◆ ⇒ [“1.4 MMI System Overview”, page 5](#)
- ◆ ⇒ [“1.5 Telephone System Overview”, page 6](#)
- ◆ ⇒ [“1.6 TV System Overview”, page 7](#)
- ◆ ⇒ [“1.7 Antenna Systems Overview”, page 8](#)



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## 1.1 Radio System Component Overview

### 1 - External Audio Source Connection -R199-

- ☐ Located in the glove compartment
- ☐ AMI

### 2 - External Audio Source Connection -R199-

- ☐ Located in the center console storage compartment
- ☐ AUX IN

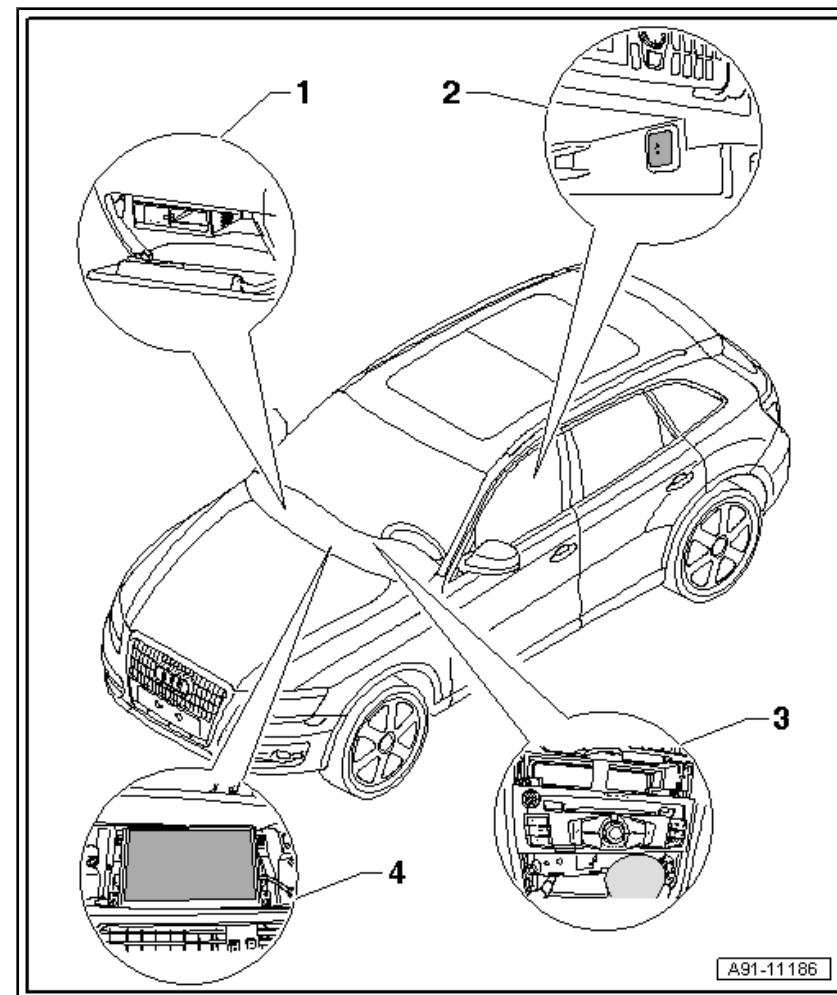
### 3 - Radio -R-

- ☐ Located at the top center console

### 4 - Front Information Display Control Head -J685-



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## 1.2 Sound System Component Overview

### 1 - Left Front Treble Speaker -R20- / Right Front Treble Speaker -R22-

- ❑ Located in the triangular mirror trim

### 2 - Left Front Mid-Bass Speaker -R101- / Right Front Mid-Bass Speaker -R102- ; Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-

- ❑ Located in the bottom of front doors

### 3 - Left Rear Midrange Speaker -R105- / Right Rear Midrange Speaker -R106-

- ❑ Located in the D-pillars

### 4 - Subwoofer (on rear shelf) -R157-

- ❑ Located inside the spare wheel well

### 5 - Digital Sound System Control Module -J525-

- ❑ Located behind the luggage compartment left side trim

### 6 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-

- ❑ Located in the bottom of rear doors

### 7 - Left Rear Treble Speaker -R14- / Right Rear Treble Speaker -R16-

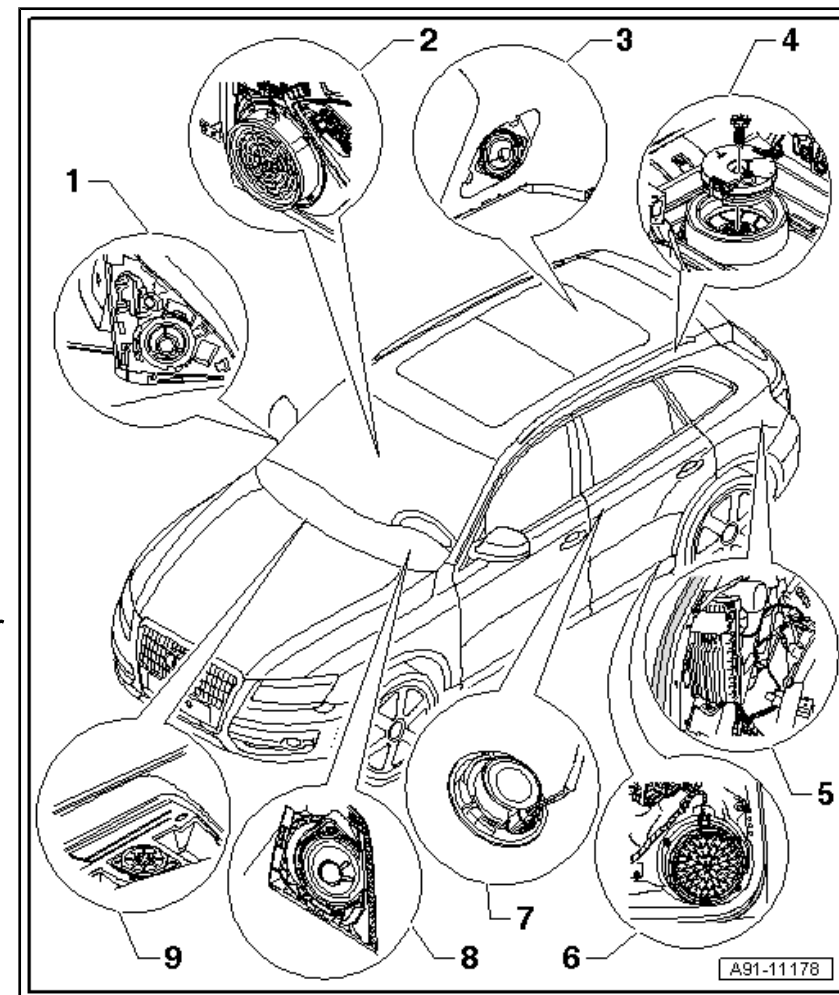
- ❑ At the top of rear doors

### 8 - Left Front Treble Speaker -R20- / Right Front Treble Speaker -R22- ; Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-

- ❑ Located in the left and right side of instrument panel

### 9 - Center Mid/High Range Speaker -R158-

- ❑ Located in the center of instrument panel



### 1.3 Navigation System Overview

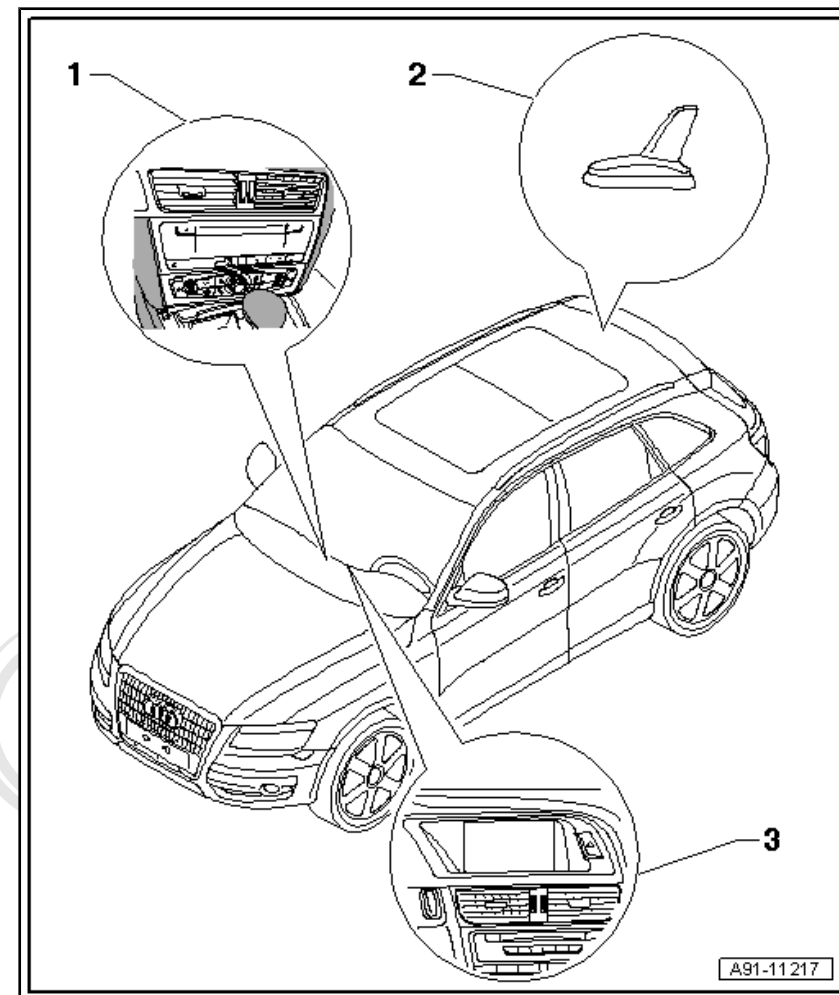
**1 - Information Electronics Control Module 1 -J794-**

- ❑ Located at the top center console

**2 - Roof antenna -R216-**

**3 - Front Information Display Control Head -J685-**

- ❑ Located in the center of instrument panel



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### 1.4 MMI System Overview

#### 1 - CD Changer -R41- ; External Audio Source Connection -R199-

- ☐ Located in the glove compartment

#### 2 - Information Electronics Control Module 1 -J794-

- ☐ At the top center console

#### 3 - Multimedia Control Head -E380-

- ☐ At the bottom center console

#### 4 - Radio -R-

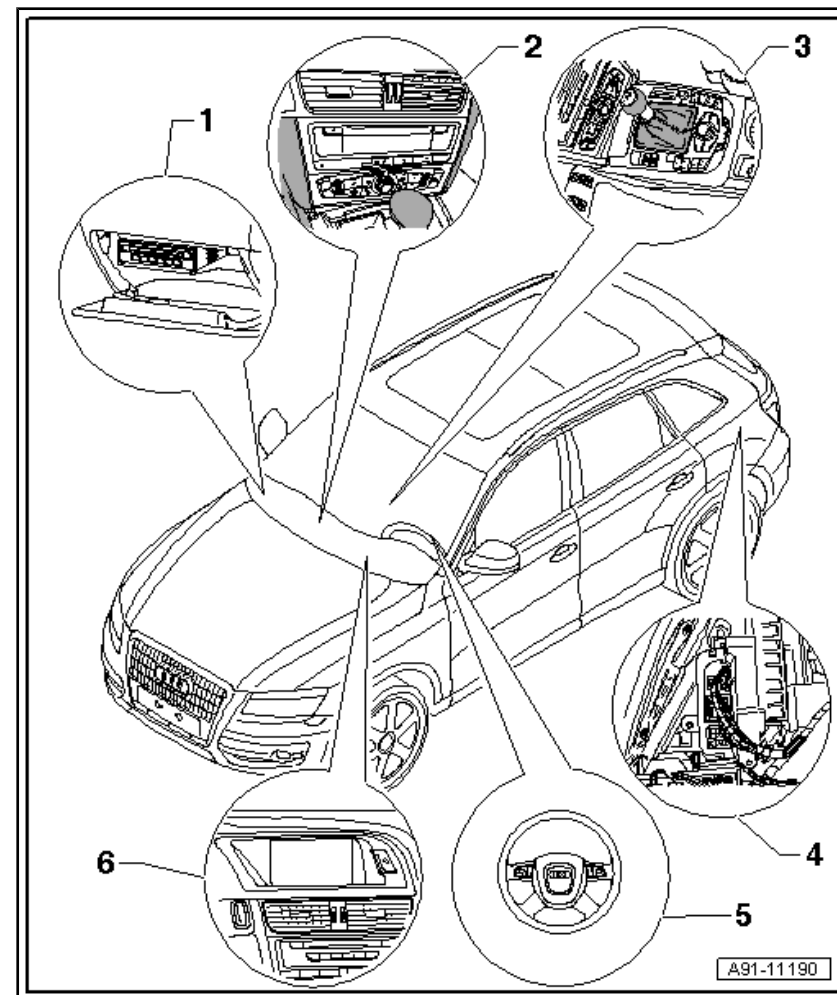
- ☐ MMI
- ☐ Located behind luggage compartment left side trim

#### 5 - Multifunction Steering Wheel

#### 6 - Front Information Display Control Head -J685-

- ☐ Located in the center of instrument panel

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## 1.5 Telephone System Overview

Components A - B are not shown in the overview

### A - Telephone Amplifier -R86-

- ❑ Located in the right luggage compartment behind the side panel

### B - Telephone Baseplate -R126-

- ❑ Installed in the center console

### 1 - Information Electronics Control Module 1 -J794-

- ❑ Integrated with Bluetooth Antenna -R152-
- ❑ MMI
- ❑ Located at the top center console

### 2 - Telephone Transceiver -R36-

- ❑ Under front right seat

### 3 - Microphone Unit (in front roof module) -R164-

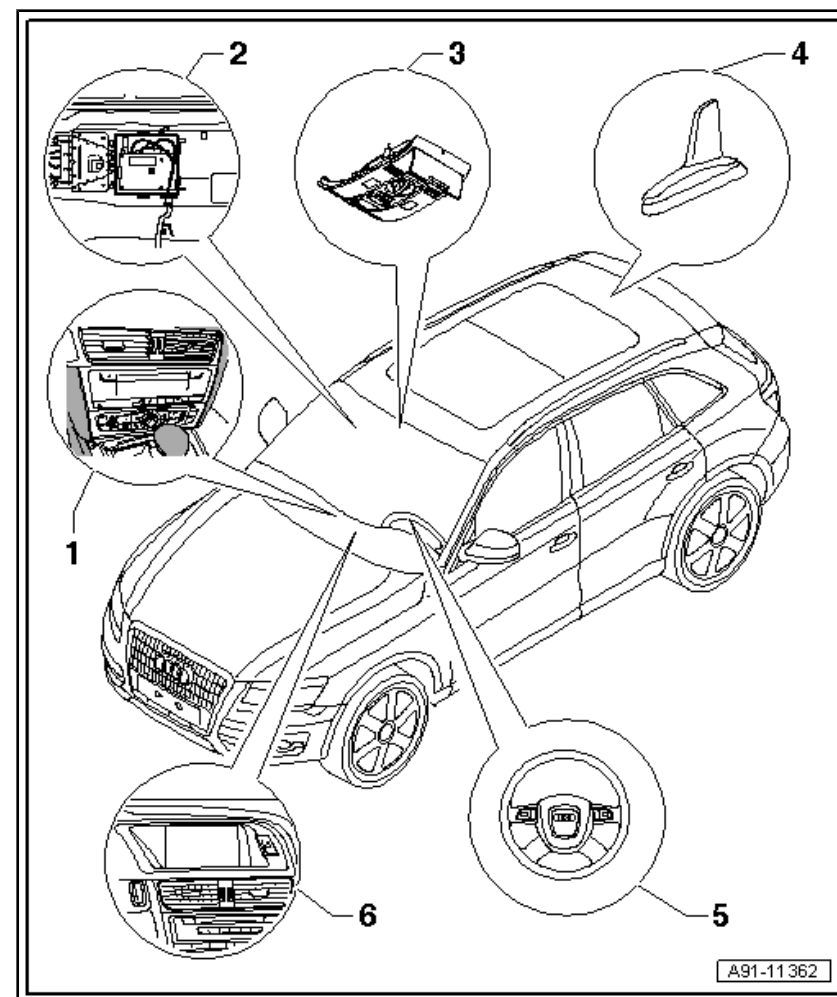
- ❑ Integrated with Left Front Microphone -R140- , Right Front Microphone -R141- and Inside Microphone -R74-
- ❑ Installed in the front interior lamp

### 4 - Roof antenna -R216-

### 5 - Multifunction Steering Wheel

### 6 - Front Information Display Control Head -J685-

- ❑ Located in the center of instrument panel



## 1.6 TV System Overview

### 1 - Information Electronics Control Module 1 -J794-

- ❑ Located at the top center console

### 2 - Antenna Amplifier

### 3 - TV Tuner -R78-

- ❑ Located behind the luggage compartment left side trim

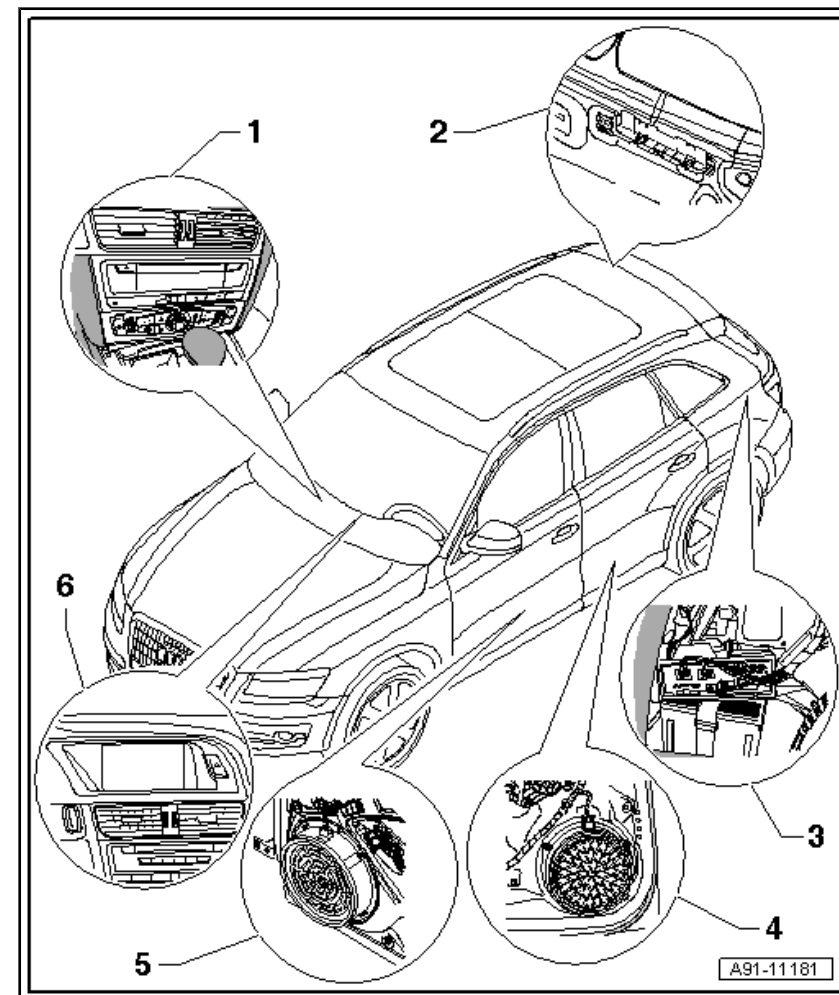
### 4 - Speakers in Rear Doors

### 5 - Speakers in Front Doors

### 6 - Front Information Display Control Head -J685-

- ❑ Located in the center of instrument panel

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## 1.7 Antenna Systems Overview

Antenna systems are dependent on vehicle options

### 1 - Antenna Amplifier 3 -R112-

- ☐ Integrated with Antenna -R11-
- ☐ Integrated with TV Antenna 1 -R55-
- ☐ Integrated with Radio Antenna 2 -R93-

### 2 - Roof antenna -R216-

- ☐ Integrated with Satellite Antenna -R170-
- ☐ Integrated with Navigation System Antenna -R50-
- ☐ Integrated with Telephone Antenna -R65-
- ☐ Integrated with Auxiliary Heater Antenna -R182-

### 3 - Antenna Amplifier 4 -R113-

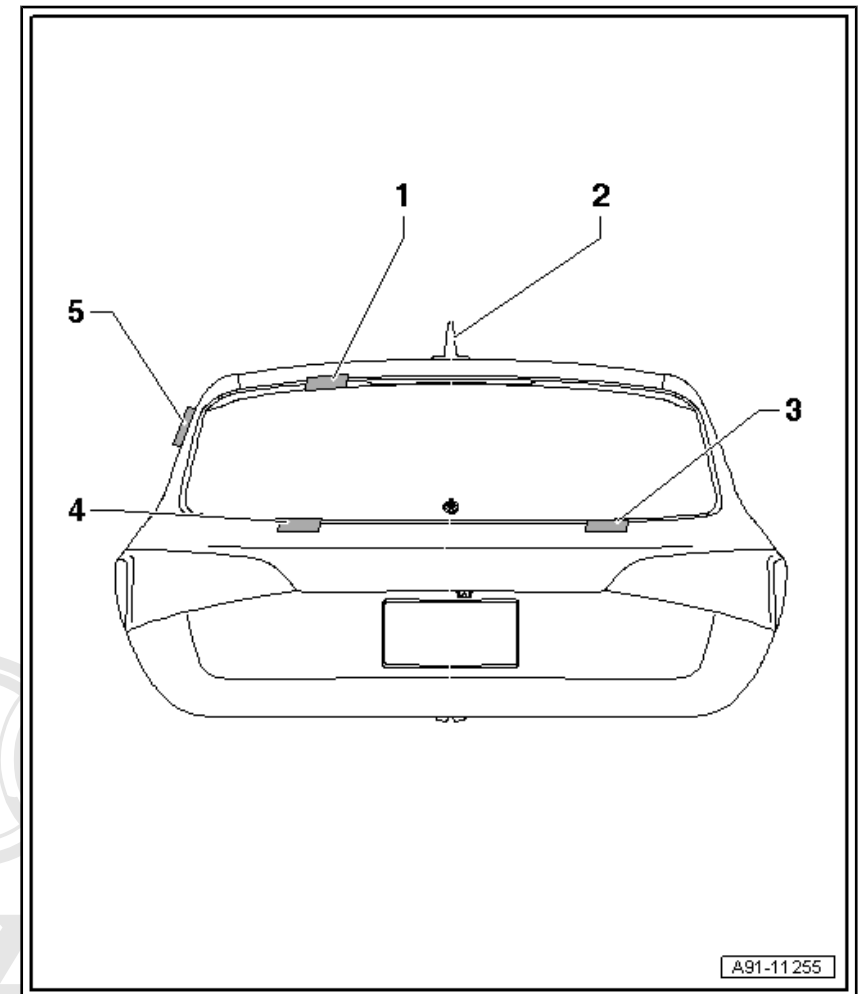
- ☐ Integrated with TV Antenna 2 -R56-
- ☐ Integrated with TV Antenna 3 -R57-

### 4 - Antenna Amplifier -R24-

- ☐ Integrated with Radio Antenna 2 -R93- and Central Locking and Anti-Theft Alarm System Antenna -R47-

### 5 - Left Antenna Module -R108-

- ☐ Integrated with Digital Radio Antenna -R183-



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## 1 Comp. Loc. Suspension

### 1.1 Electronic Damping Components Overview

**1 - Charisma Switch Module -E592-**

- Installed in the instrument panel

**2 - Electronic Damping Control Module -J250-**

- Located behind the right luggage compartment side trim

**3 - Shock absorber with Right Rear Dampening Adjustment Valve -N339-**

**4 - Left Rear Level Control System Sensor -G76- and Right Rear Level Control System Sensor -G77-**

**5 - Rear Body Acceleration Sensor -G343-**

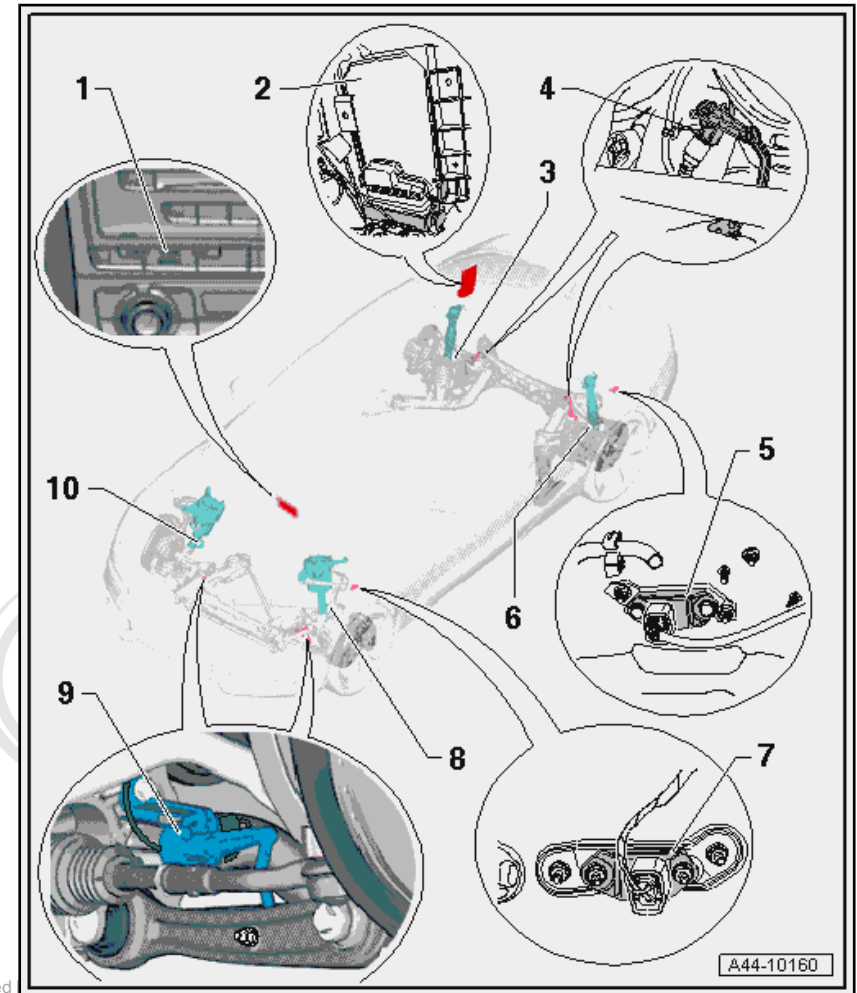
**6 - Shock absorber with Left Rear Dampening Adjustment Valve -N338-**

**7 - Left Front Body Acceleration Sensor -G341- and Right Front Body Acceleration Sensor -G342-**

**8 - Shock absorber with Left Front Dampening Adjustment Valve -N336-**

**9 - Left Front Level Control System Sensor -G78- and Right Front Level Control Sensor -G289-**

**10 - Shock absorber with Right Front Dampening Adjustment Valve -N337-**



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**Directional Stabilization Assistance Control Module**

**1 - Front Cover**

□ For the automatic high beam control module housing

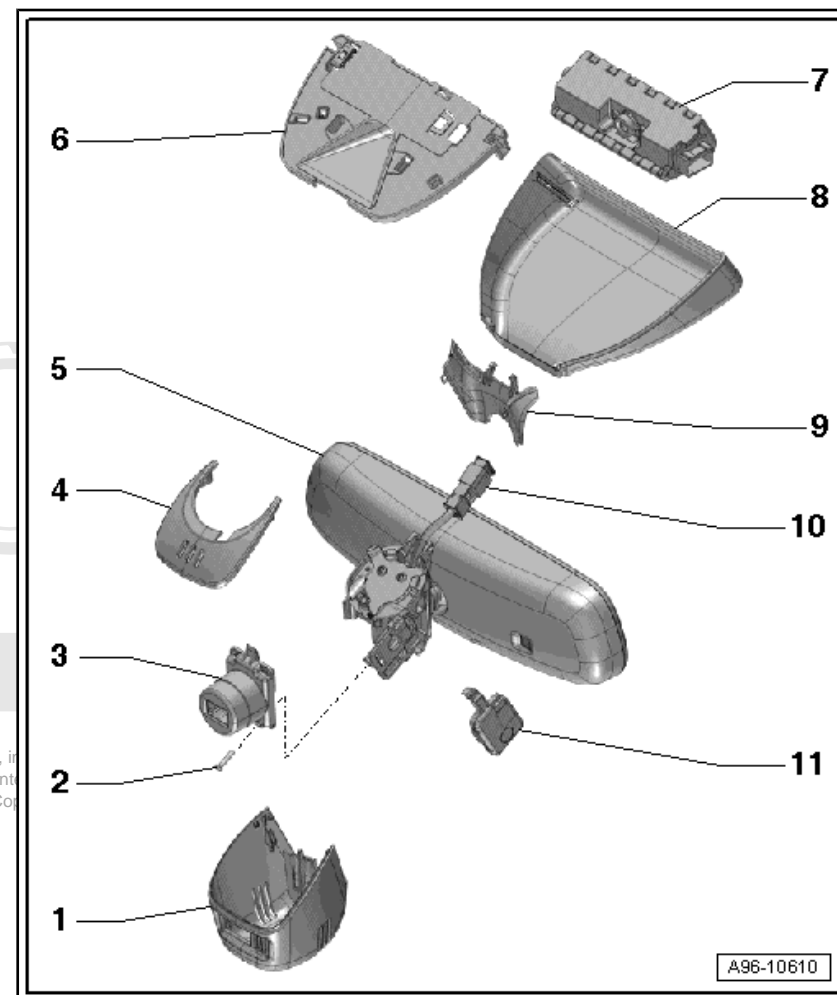
**3 - Headlamp Assistant**

**5 - Interior Rearview Mirror**

**7 - Directional Stabilization Assistance Control Module -J759-**

**11 - Humidity Sensor -G355-**

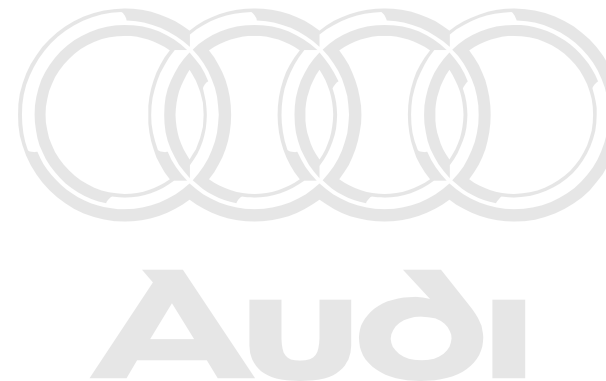
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# 1      **Comp. Loc. Transmission**

- ◆ ⇒ [“1.1 Automatic Transmission 0B6”, page 2](#)
- ◆ ⇒ [“1.2 7-Speed DSG Transmission 0B5”, page 4](#)
- ◆ ⇒ [“1.3 8-speed Auto Transmission 0BK/0BL”, page 6](#)
- ◆ ⇒ [“1.4 Selector Mechanism Assembly Overview”, page 9](#)
- ◆ ⇒ [“1.5 8spd Selector Lever Assembly Overview”, page 13](#)
- ◆ ⇒ [“1.6 Brake Light Switch, Brake Pedal Position Sensor and Clutch Position Sensor”, page 14](#)

<b>Transmission Input Speed (RPM) Sensor -G182-</b> ◆ Auto and Dsg Trans ⇒ <a href="#">page 2</a> ◆ 0BK/0BL, 8-speed Auto Trans ⇒ <a href="#">page 7</a>	<b>Transmission Control Module (TCM) -J217-</b> ◆ Auto and Dsg Trans ⇒ <a href="#">page 2</a> ◆ 0BK/0BL, 8-speed Auto Trans ⇒ <a href="#">page 7</a>	<b>Transmission Output Speed (RPM) Sensor -G195-</b> ◆ Auto and Dsg Trans ⇒ <a href="#">page 2</a> ◆ 0BK/0BL, 8-speed Auto Trans ⇒ <a href="#">page 6</a>	<b>Selector Lever Sensor System Control Module -J587-</b> ◆ Auto and Dsg Trans ⇒ <a href="#">Item 8 (page 9)</a> ◆ 0BK/0BL, 8-speed Auto Trans ⇒ <a href="#">page 13</a>	<b>Selector Lever Transmission Range (TR) Position Display Unit -Y26-</b> ◆ Auto and Dsg Trans ⇒ <a href="#">Item 8 (page 9)</a> ◆ 0BK/0BL, 8-speed Auto Trans ⇒ <a href="#">page 13</a>
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## 1.1 Automatic Transmission 0B6



### Note

*The mechatronic unit can only be replaced as a complete unit*

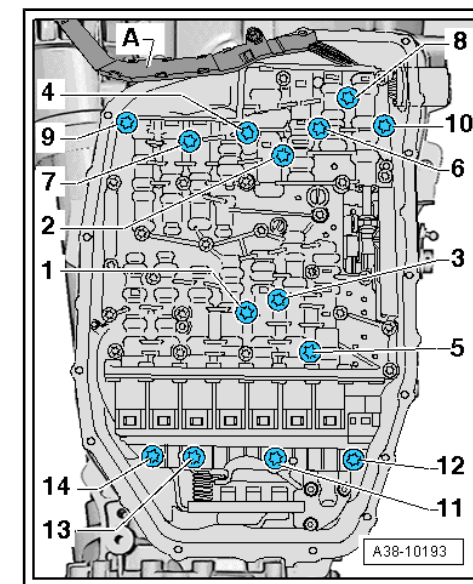
### Mechatronic Unit

- The mechatronic unit is bolted to the underside of the transmission housing and is covered by the transmission oil pan
- The mechatronic unit incorporates the hydraulic control, the TCM, the multifunction TR switch and the sensors and actuators as a complete synchronized unit
- The mechatronic unit can only be replaced as a complete unit

The mechatronic unit incorporates the following:

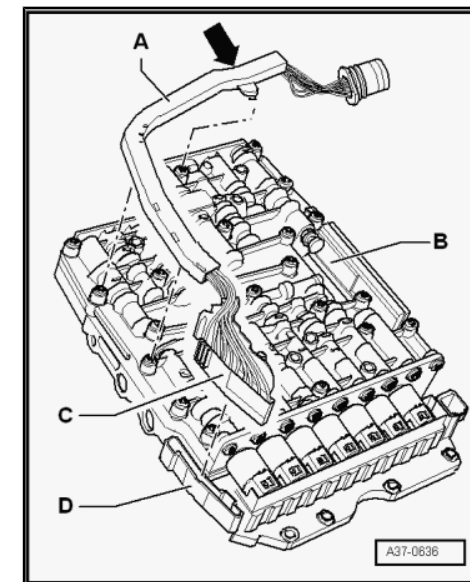
- ◆ Transmission Control Module (TCM) -J217-
- ◆ Multi-Function Transmission Range (TR) Switch -F125-
- ◆ Transmission Input Speed (RPM) Sensor -G182-
- ◆ Transmission Output Speed (RPM) Sensor -G195-

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**Wiring Harness**

- - Wiring Harness in Transmission
- Location: The wiring harness -A- with connector -C- is attached to the mechatronic unit -B-



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## 1.2 7-Speed DSG Transmission 0B5



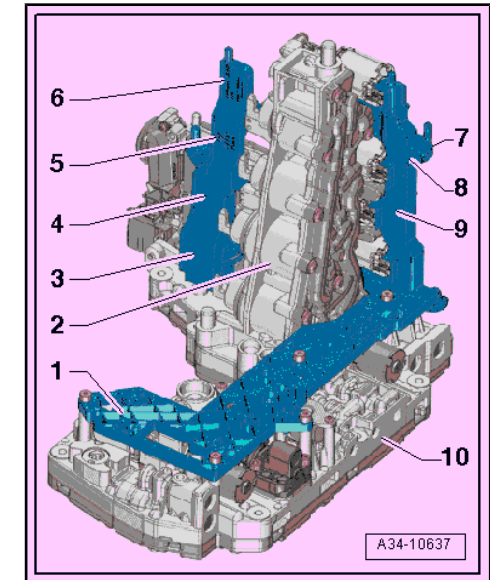
### Note

*The "Mechatronic" Unit Can Only Be Replaced As A Complete Unit*

### Mechatronic Unit

**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



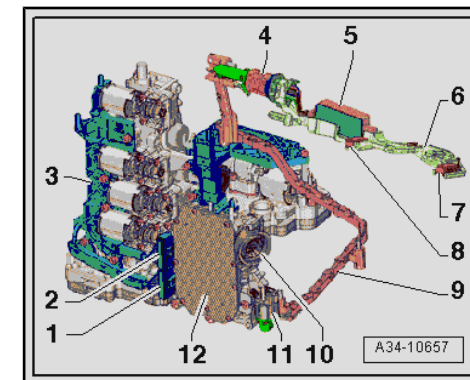
**Mechatronic connectors and sensor module**

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-



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### 1.3 8-speed Auto Transmission 0BK/0BL

#### Transmission Control Module (TCM) and Pressure Control Valves - part of 1

1 - Automatic Transmission Pressure Regulating Valve 8  
-N510- also Solenoid Valve 1 -N88-

2 - Automatic Transmission Pressure Regulating Valve 7  
-N443-

3 - Automatic Transmission Pressure Regulating Valve 6  
-N371-

4 - Transmission Output Speed (RPM) Sensor -G195-

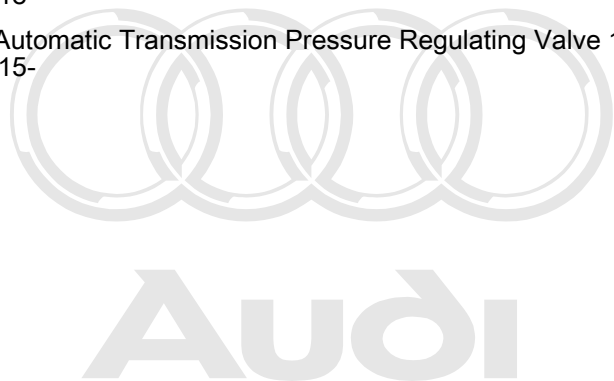
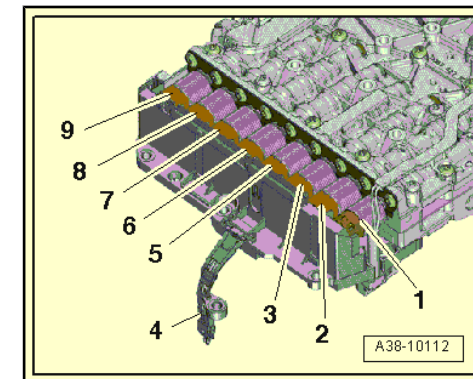
5 - Automatic Transmission Pressure Regulating Valve 3  
-N217-

6 - Automatic Transmission Pressure Regulating Valve 5  
-N233-

7 - Automatic Transmission Pressure Regulating Valve 2  
-N216-

8 - Automatic Transmission Pressure Regulating Valve 4  
-N218-

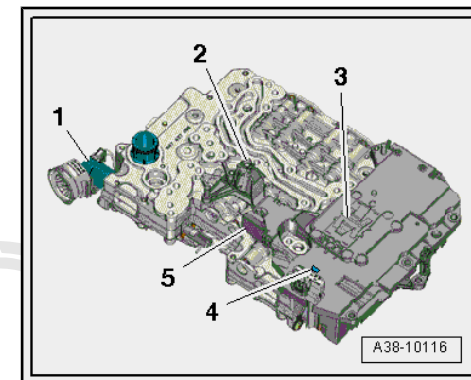
9 - Automatic Transmission Pressure Regulating Valve 1  
-N215-



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**Transmission Control Module (TCM) and Pressure Control  
Valves - part of 2**

- 1 - Parking Lock Solenoid -N486-
- 2 - Transmission Input Speed (RPM) Sensor -G182-
- 3 - Transmission Control Module (TCM) -J217-
- 4 - Transmission Fluid Temperature Sensor -G93-
- 5 - Parking Lock Sensor -G747-



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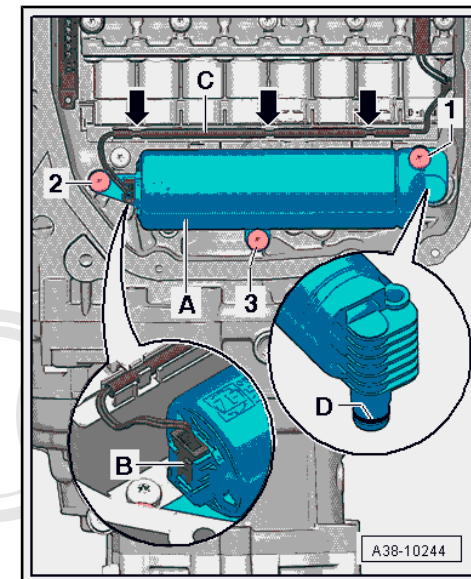
## Accumulator Solenoid

A - Accumulator Solenoid -N485- for vehicles with asynchronous operation system



### Note

*Image unavailable for : Transmission oil cooling valve -N509- is located near After-run coolant pump -V51- in lower left engine compartment*



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## 1.4 Selector Mechanism Assembly Overview

5 - Selector Lever Transmission Range (TR) Position Display Unit -Y26-

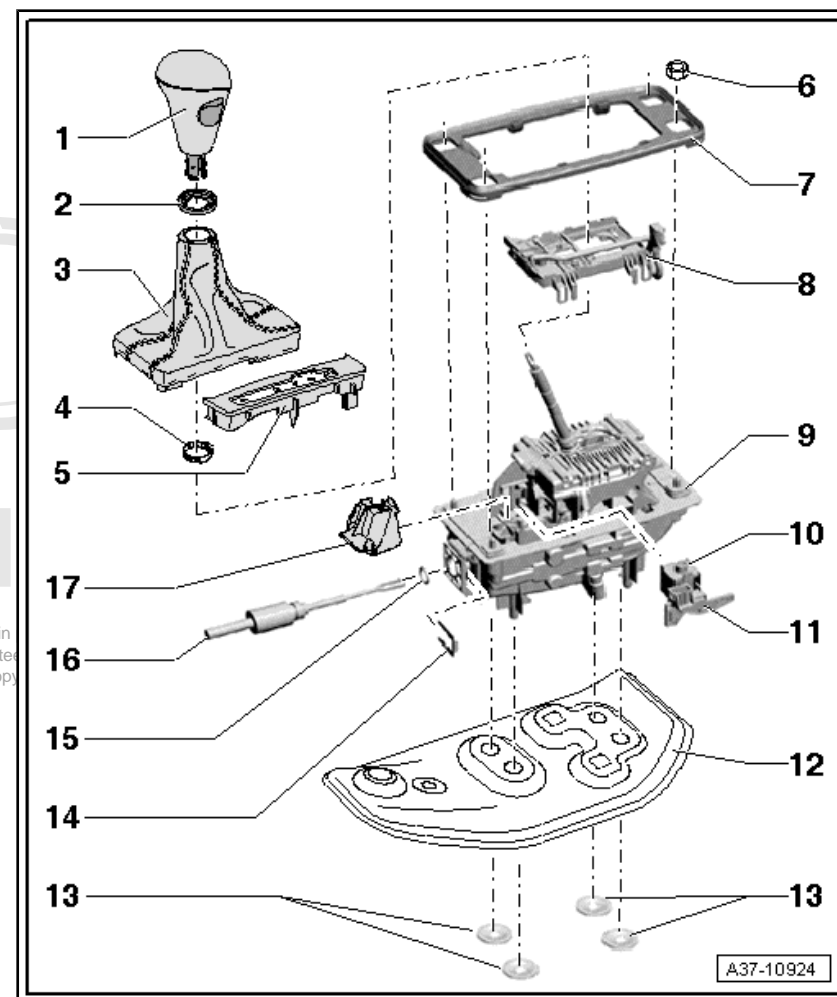
8 - Selector Lever Sensor System Control Module -J587- with Tiptronic Switch -F189-

- ☐ Selector lever sensor system control module -J587- with tiptronic switch -F189- are combined in one component ⇒ [page 10](#)

10 - Shift Lock Solenoid -N110- ⇒ [page 11](#)

11 - Transmission Park Selector Switch -F305-

- ☐ Consists of two micro switches on the circuit board on the Shift Lock Solenoid -N110- ⇒ [page 12](#)



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**Selector Lever Sensor System Control Module**

1 - Electrical connector

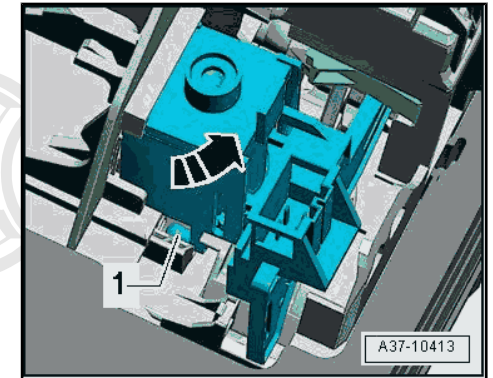
2 - Selector Lever Sensor System Control Module -J587- with  
Tiptronic Switch -F189-



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**Shift Lock Solenoid**

1 - Shift Lock Solenoid -N110-

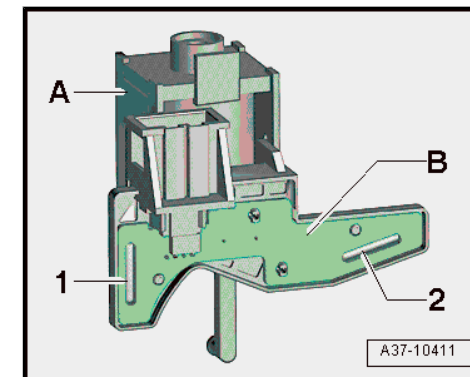


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**Transmission Park Selector Switch**

A - Shift Lock Solenoid -N110-

B - Circuit board with Transmission Park Selector Switch -F305-  
consisting of two micro switches -1- and -2- on the shift lock  
solenoid



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## 1.5 8spd Selector Lever Assembly Overview

### Selector Lever Assembly

1 - Selector Lever Assembly with :

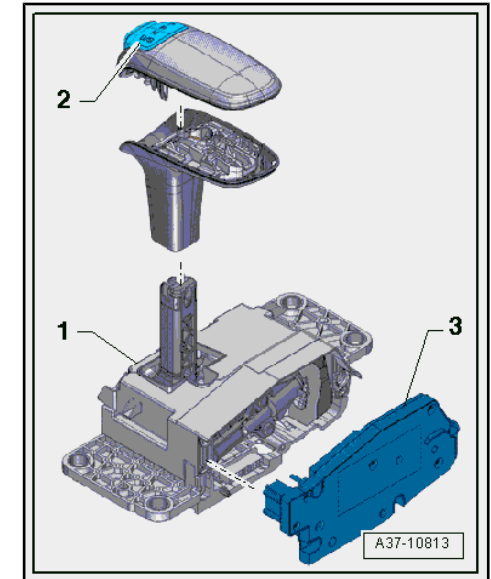
- ◆ Selector Lever -E313-
- ◆ Selector lever solenoid 1 -N496-
- ◆ Selector lever solenoid 2 -N497-
- ◆ Selector lever solenoid 3 -N498-
- ◆ Selector lever solenoid 4 -N499-
- ◆ Selector lever solenoid 5 -N500-

2 - Selector Lever Release Button -E681- with Selector Lever Transmission Range (TR) Position Display Unit -Y26-

3 - Selector Lever Sensor System Control Module -J587- with Selector Lever Position Sensor -G727-

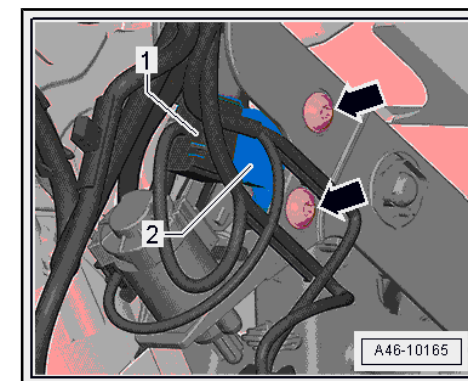
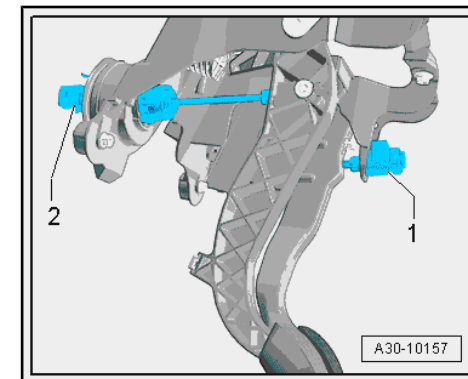


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## 1.6 Brake Light Switch, Brake Pedal Position Sensor and Clutch Position Sensor

- 1 - Brake Light Switch -F- and Brake Pedal Switch -F47-
- 2 - Clutch Position Sensor -G476-
  - Integrated with Clutch Pedal Starter Interlock Switch -F194- and Clutch Pedal Switch -F36-
  - Only for vehicles with manual transmission
- 2 - Brake pedal position sensor -G100-
  - Located on steering column/brake pedal support in drivers footwell under instrument panel



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# 1 Comp. Loc. TPMS

## 1.1 Tire Pressure Monitor Systems (TPMS) Overview, up to 2010 MY

1 - Multimedia Control Head -E380-

2 - Display in instrument cluster

3 - Left Front Tire Pressure Monitoring Sensor -G222- , Right Front Tire Pressure Monitoring Sensor -G223- , Left Rear Tire Pressure Monitoring Sensor -G224- and Right Rear Tire Pressure Monitoring Sensor -G225- → [page 2](#)

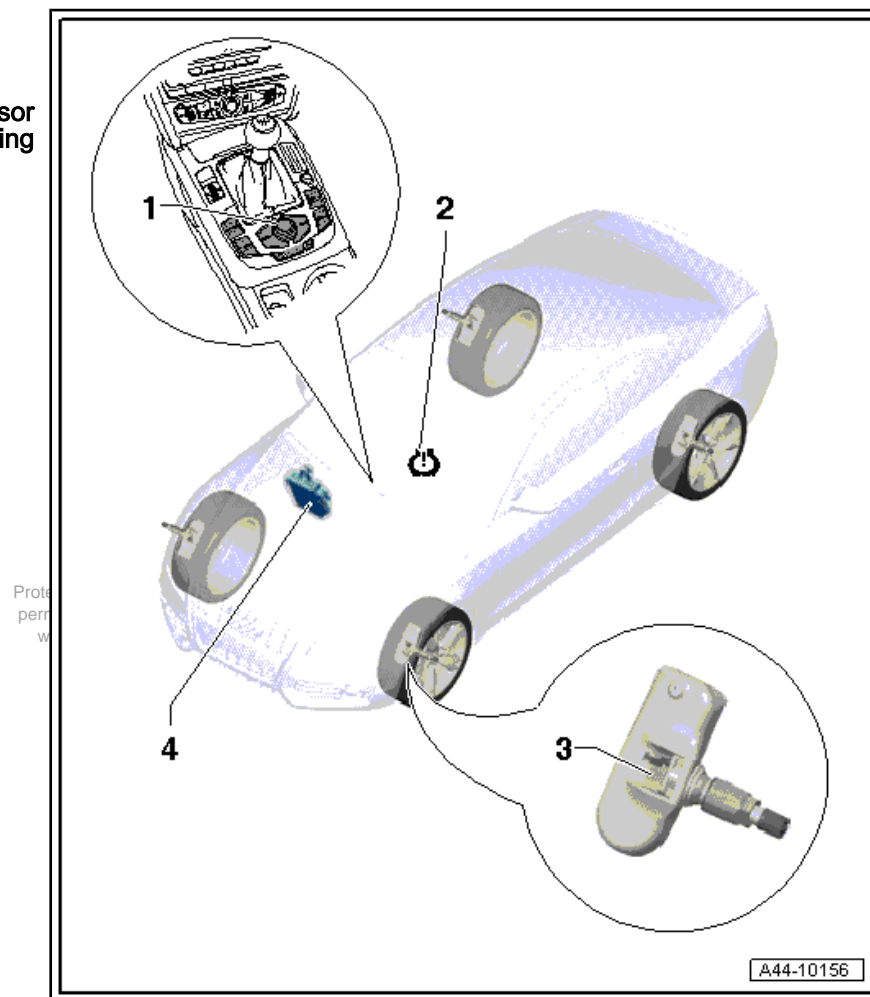
4 - Tire Pressure Monitoring Control Module -J502-

❑ Located in the right front footwell under the instrument panel



### Note

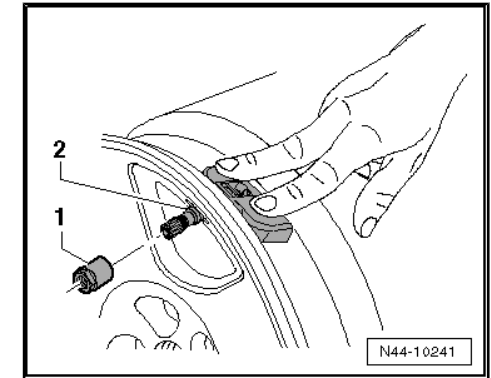
*For 2010 MY Tire Pressure Monitoring Control Module -J502- is integrated into ABS control module -J104-*





**Tire Pressure Sensor**

2 - Tire pressure sensors, mounted to rim



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# 1 Comp. Loc. All-Wheel Drive

## 1.1 All-Wheel Drive System Overview

### 1 - All Wheel Drive Control Module -J492-

- ❑ Located in the trunk

### 2 - ABS Control Module -J104-

### 3 - Diagnostic Connector

### 4 - Hydraulic Control Unit

- ❑ Located at the final drive in the back ⇒ [page 2](#)
- ❑ Hydraulic control unit consists of:

#### ◆ All Wheel Drive Pump -V415-

#### ◆ Oil Pressure/Temperature Sensor 2 -G640-

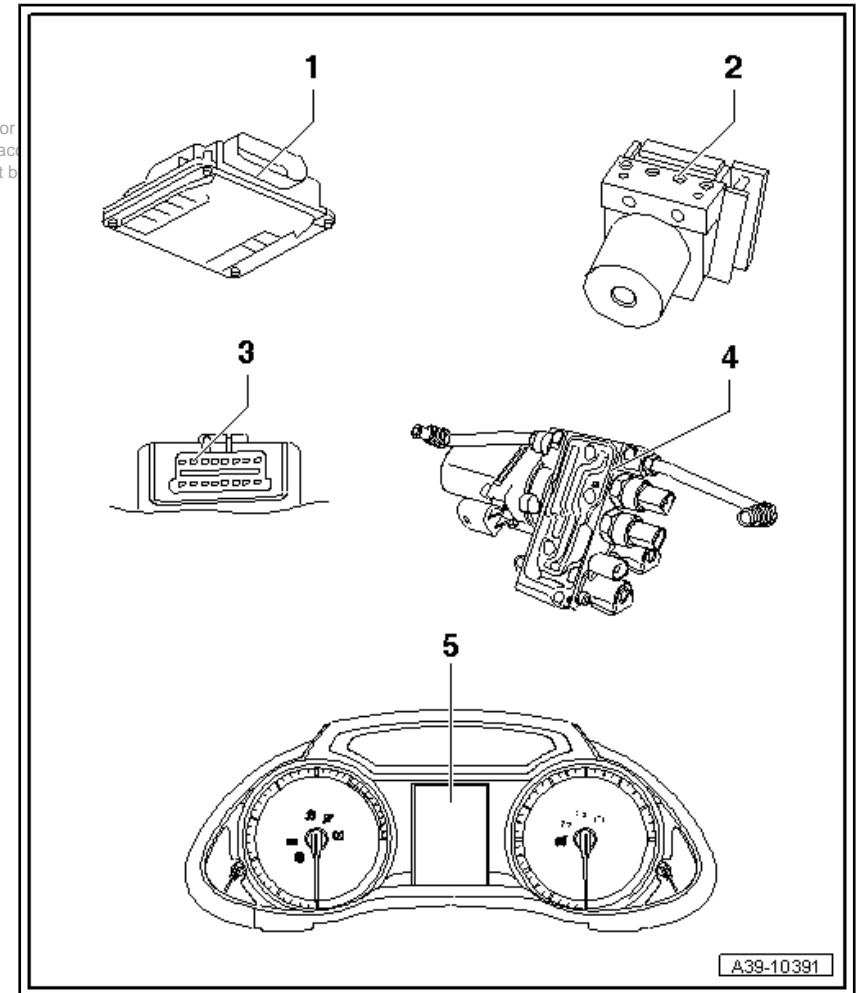
#### ◆ Oil Pressure/Temperature Sensor -G437-

#### ◆ All Wheel Drive Clutch Valve 2 -N446-

#### ◆ All Wheel Drive Clutch Valve -N445-

### 5 - Instrument Panel Display

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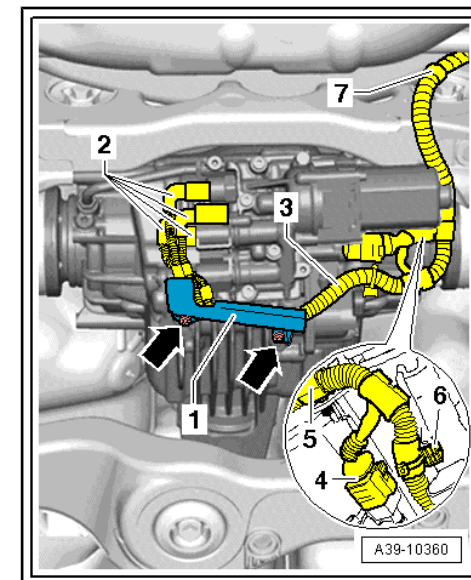
### Hydraulic Control Unit

2 - Oil Pressure/Temperature Sensor -G437- and Oil Pressure/  
Temperature Sensor 2 -G640- ; All Wheel Drive Clutch Valve  
-N445- and All Wheel Drive Clutch Valve 2 -N446-

4 - All Wheel Drive Pump -V415-

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## 1 Comp. Loc. Central Locking

- ◆ ⇒ [“1.1 Central Locking / Anti-Theft Systems ”, page 2](#)
- ◆ ⇒ [“1.2 Rear Lid Assembly Overview ”, page 6](#)
- ◆ ⇒ [“1.3 Front Door Lock Assembly Overview ”, page 7](#)
- ◆ ⇒ [“1.4 Rear Door Lock Assembly Overview ”, page 9](#)
- ◆ ⇒ [“1.5 Ultrasonic Interior Monitoring Assembly Overview ”, page 11](#)



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## 1.1 Central Locking / Anti-Theft Systems

### 1 - Front Passenger Door Control Module -J387-

- ❑ Located in the front passenger door assembly

### 2 - Anti-Theft Alarm System Sensor -G578- ⇒ [page 3](#)

- ❑ Located in the front interior/reading light

### 3 - Right Rear Door Control Module -J389-

- ❑ Located in the rear right passenger door assembly

### 4 - Fuel Tank Lid Unlock Motor -V155-

### 5 - Rear Lid Control Module 2 -J756- ⇒ [page 6](#)

- ❑ Integrated with Motor (in rear lid control module 2) -V376-

### 6 - Vehicle Positioning System Interface Control Module -J843-

- ❑ Located in the luggage compartment trim panel near the D-pillar ⇒ [page 4](#)

### 7 - Comfort System Central Control Module -J393-

- ❑ Located on the right luggage compartment side trim panel

### 8 - Rear Lid Unlock Motor -V139- / Rear Lid Closing Assist Motor -V382-

- ❑ Integrated with Rear Lid Opening Assist Unlock Stop Switch -F332- and Rear Lid Closing Assist Lock Stop Switch -F333-

### 9 - Rear Lid Control Module -J605- ⇒ [page 6](#)

- ❑ Integrated with Motor (in rear lid control module) -V375-

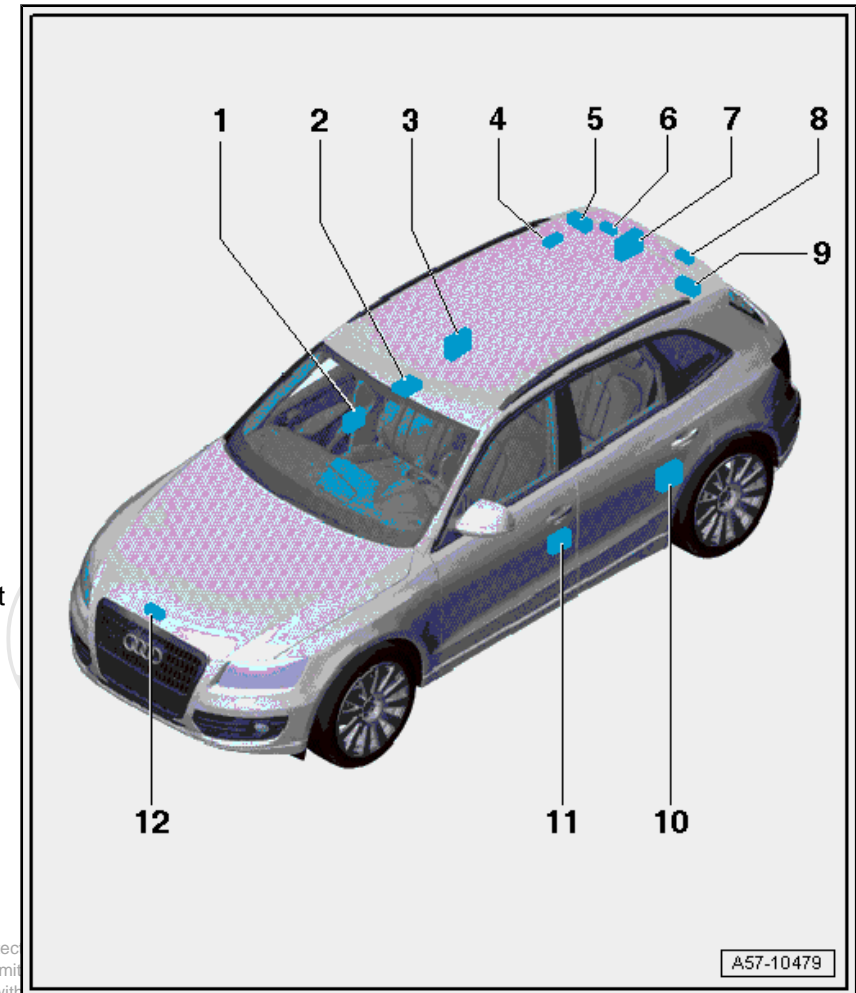
### 10 - Left Rear Door Control Module -J388-

- ❑ Located in the rear left passenger door assembly

### 11 - Driver Door Control Module -J386-

- ❑ Located in the front driver door assembly

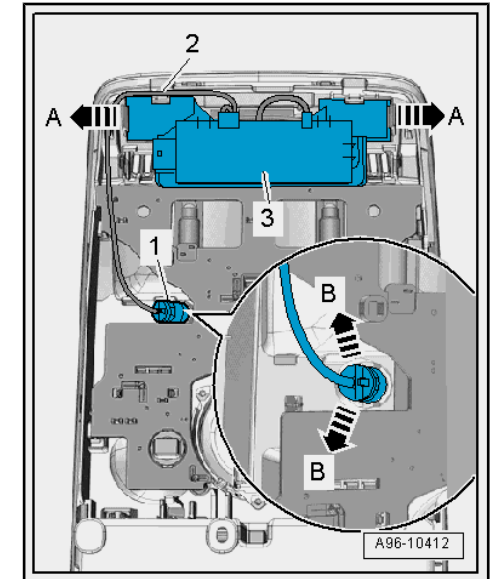
### 12 - Front Hood Switch -F266- ⇒ [page 5](#)



### Anti-Theft Alarm System Sensor

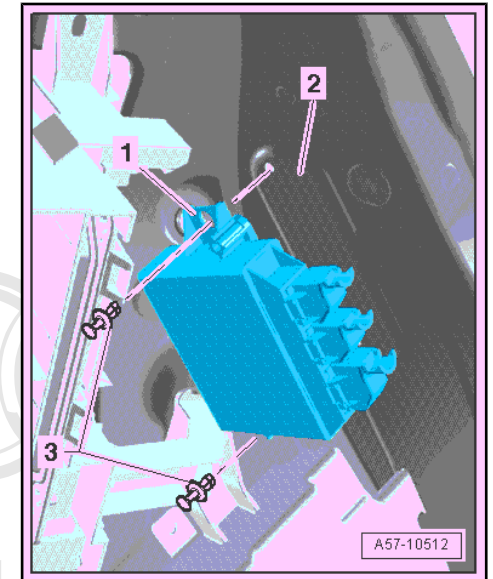
- 1 - Front Interior Monitoring Individual Sensor
- Can only be replaced together with the anti-theft alarm system sensor -G578-
- 3 - Anti-Theft Alarm System Sensor -G578- ⇒ [page 11](#)

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**Vehicle Positioning System Interface Control Module**

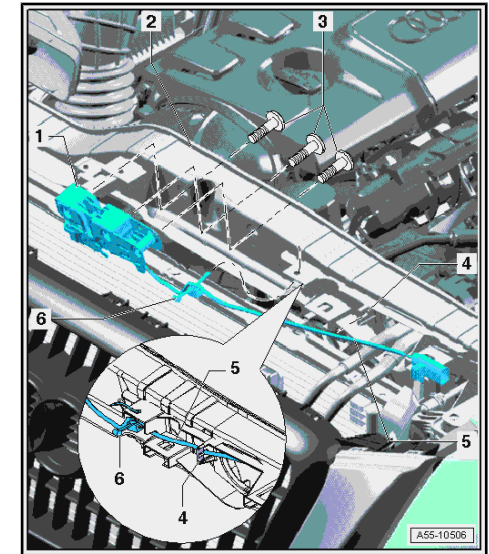
1 - Vehicle Positioning System Interface Control Module -J843-



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**Hood Lock Assembly**

1 - Front Hood Switch -F266- integrated into lock assembly



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## 1.2 Rear Lid Assembly Overview

1 - Gas-Filled Strut

2 - Lid Hinge

3 - Rear Lid Control Module -J605- LH side

☐ Integrated with Motor (in rear lid control module) -V375- LH side

☐ Rear Lid Control Module 2 -J756- RH side (not shown)

☐ Integrated with Motor (in rear lid control module 2) -V376- RH side (not shown)

4 - Rear Lid

6 - Rear Lid Lock

The following are integrated in the rear lid central locking unit:

◆ Trunk Lid Alarm Switch -F123-

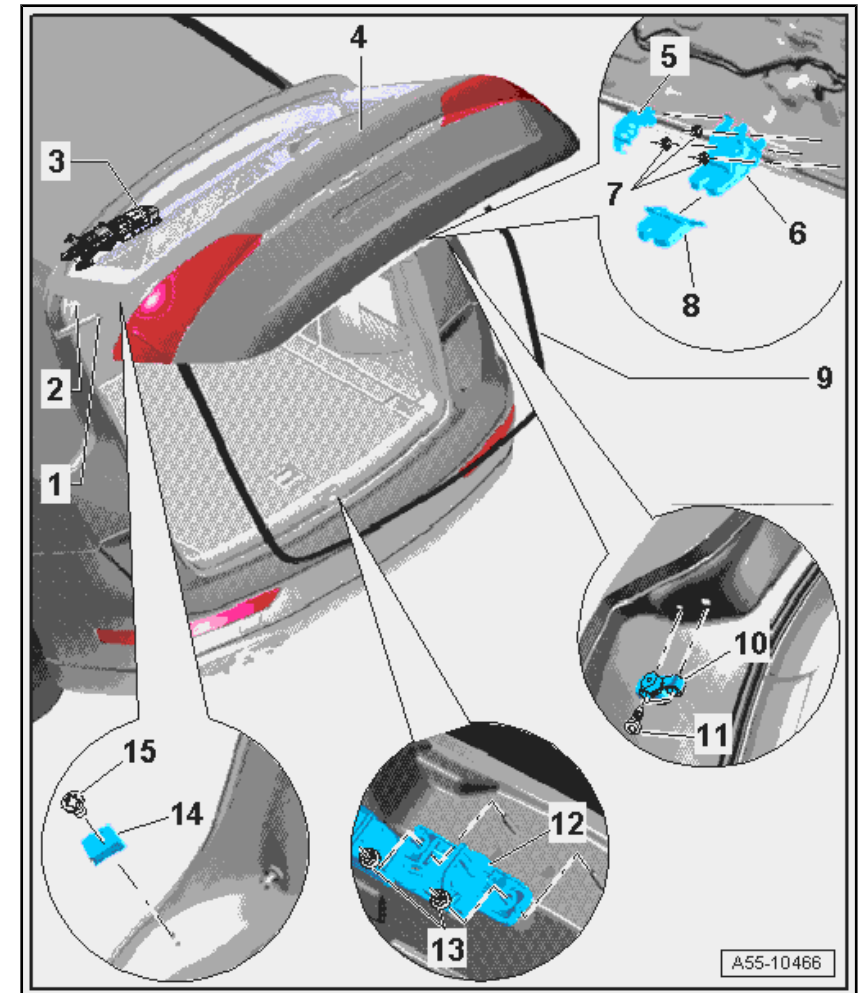
◆ Rear Lid Central Locking System Motor -V53-

12 - Rear Lid Closed Sensors

☐ Rear Lid Closed Sensor 1 -G525-

☐ Rear Lid Closed Sensor 2 -G526-

☐ Located under trim



## 1.3 Front Door Lock Assembly Overview

Components A - B are not shown in the overview

A - Driver Window Regulator Motor -V147- ⇒ [page 8](#)

B - Front Passenger Window Regulator Motor -V148- ⇒ [page 8](#)

1 - Door Handle

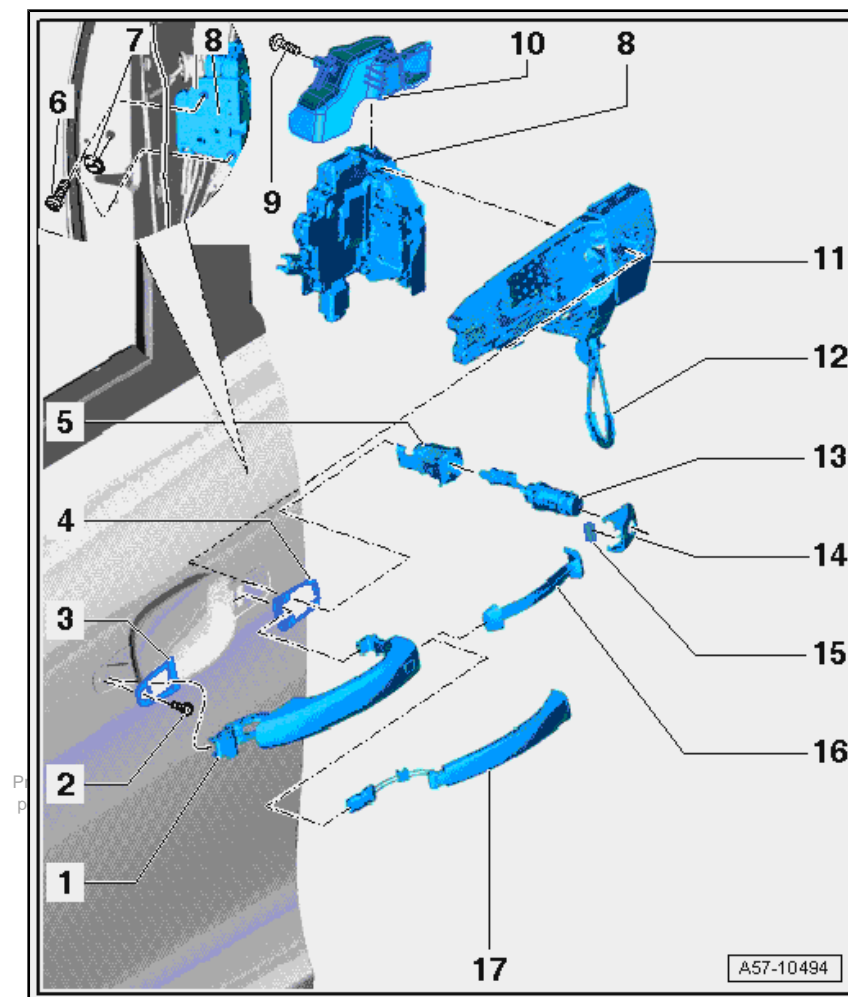
8 - Door Lock

Depending on the equipment level, the following components are integrated in the front driver and passenger door lock:

- ◆ Driver Door Contact Switch -F2-
- ◆ Driver Door Central Locking Lock Unit -F220-
- ◆ Driver Door Central Locking System Motor -V56-
- ◆ Driver Door Central Locking (Safe) Motor -V161-
- ◆ Driver Door Central Locking -SAFE- Function Actuator -F243-
- ◆ Left Front Central Locking System Actuator -F131-
- ◆ Driver Lock Cylinder Contact Switch -F241-
- ◆ Front Passenger Door Contact Switch -F3-
- ◆ Front Passenger Door Central Locking Lock Unit -F221-
- ◆ Front Passenger Door Central Locking System Motor -V57-
- ◆ Front Passenger Central Locking (Safe) Motor -V162-
- ◆ Right Front Central Locking System Actuator -F133-
- ◆ Front Passenger Door Central Locking -SAFE\_ Function Actuator -F244-

Component location is similar for the driver and passenger front doors

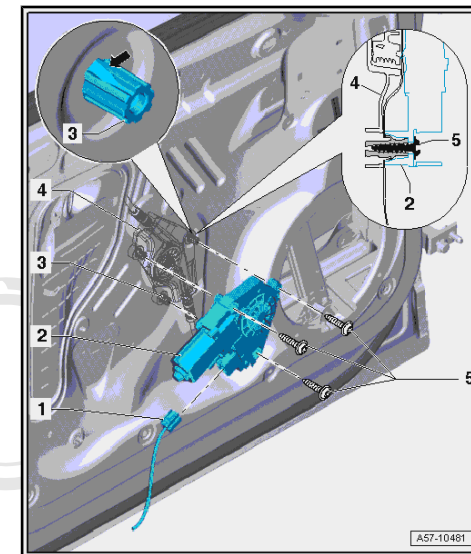
17 - Left Front Outside Door Handle Touch Sensor -G605- and Right Front Outside Door Handle Touch Sensor -G606-



### Front Window Regulator Motor

1 - Electrical Connection

2 - Driver Window Regulator Motor -V147- and Front Passenger Window Regulator Motor -V148-



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## 1.4 Rear Door Lock Assembly Overview

Components A - B are not shown in the overview

A - Left Rear Window Regulator Motor -V26- ⇒ [page 10](#)

B - Right Rear Window Regulator Motor -V27- ⇒ [page 10](#)

1 - Door Handle

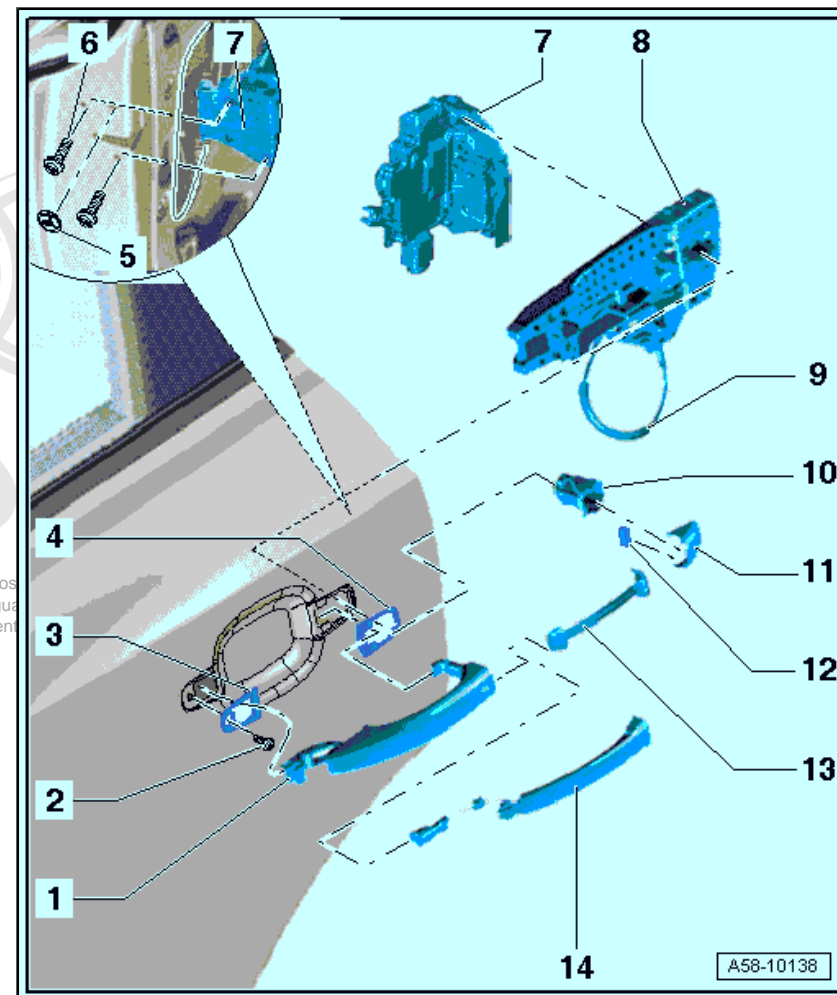
7 - Rear Door Lock

Depending on equipment level, the following components are integrated in the rear driver side and passenger side door lock:

- ◆ Left Rear Door Contact Switch -F10-
- ◆ Left Rear Central Locking Lock Unit -F222-
- ◆ Left Rear Central Locking System Motor -V115-
- ◆ Left Rear Door Central Locking -SAFE- Function Actuator -F245-
- ◆ Left Rear Central Locking (Safe) Motor -V163-
- ◆ Left Rear Central Locking System Actuator -F132-
- ◆ Right Rear Door Contact Switch -F11-
- ◆ Right Rear Central Locking Lock Unit -F223-
- ◆ Right Rear Central Locking System Motor -V97-
- ◆ Right Rear Door Central Locking -SAFE- Function Actuator -F246-
- ◆ Right Rear Central Locking (Safe) Motor -V164-
- ◆ Right Rear Central Locking System Actuator -F134-

Component location is similar for the left and right rear doors

14 - Left Rear Outside Door Handle Touch Sensor -G417- and Right Rear Outside Door Handle Touch Sensor -G418-

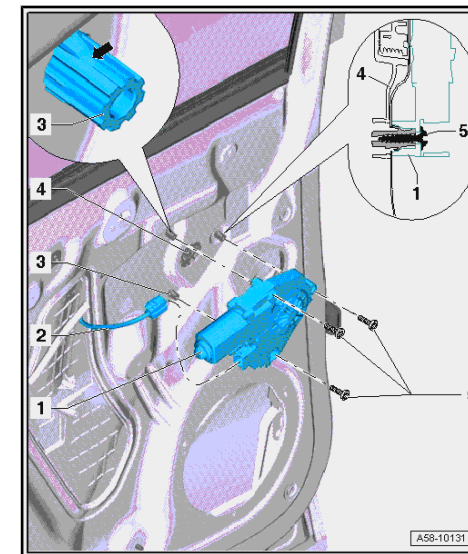


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**Rear Window Regulator Motor**

1 - Electrical Connection

2 - Left Rear Window Regulator Motor -V26- and Right Rear Window Regulator Motor -V27-



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## 1.5 Ultrasonic Interior Monitoring Assembly Overview

Component A is not shown in the overview

### A - Rear Window Defogger With Window Antenna -Z24-

- ☐ Located in the rear window

The following are integrated with the rear window defogger with window antenna -Z24-:

- ◆ Heated Rear Window -Z1-
- ◆ Rear Window Glass Breakage Sensor -G304-

### 1 - Front Interior Monitoring Individual Sensor

- ☐ Located in the front interior/reading light
- ☐ Can only be replaced together with the anti-theft alarm system sensor -G578-

### 2 - Anti-Theft Alarm System Sensor -G578-

- ☐ Located in the front interior/reading light

### 3 - Interior Lamps/Front Reading Lamps

### 4 - Alarm Horn -H12- → [page 12](#)

- ☐ Located under the plenum chamber cover

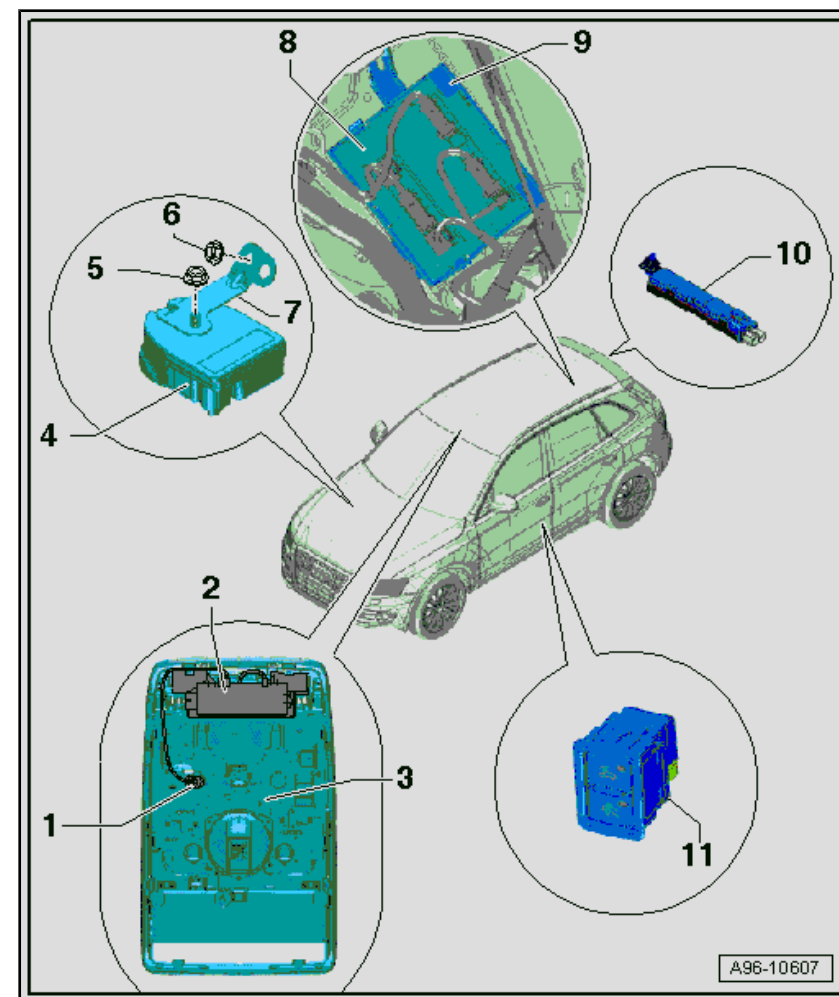
### 8 - Comfort System Central Control Module -J393-

### 9 - Control Module Bracket

### 10 - Antenna Amplifier -R24-

- ☐ With Central Locking and Anti-Theft Alarm System Antenna -R47-
- ☐ Attached to the rear lid

### 11 - Passenger Compartment Monitoring Switch -E183- / Alarm System -Off- Switch -E217-

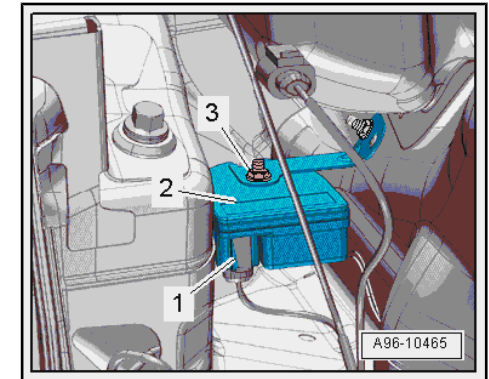


**Alarm Horn**

2 - Alarm Horn -H12-



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### 1 Comp. Loc. Sunroof

#### 1.1 Sunroof Assembly Overview

##### 1 - Power Sunroof Control Module -J245-

□ Integrated with Sunroof Motor -V1-

##### 2 - Assembly frame

##### 7 - Rear glass panel

##### 8 - Front glass panel

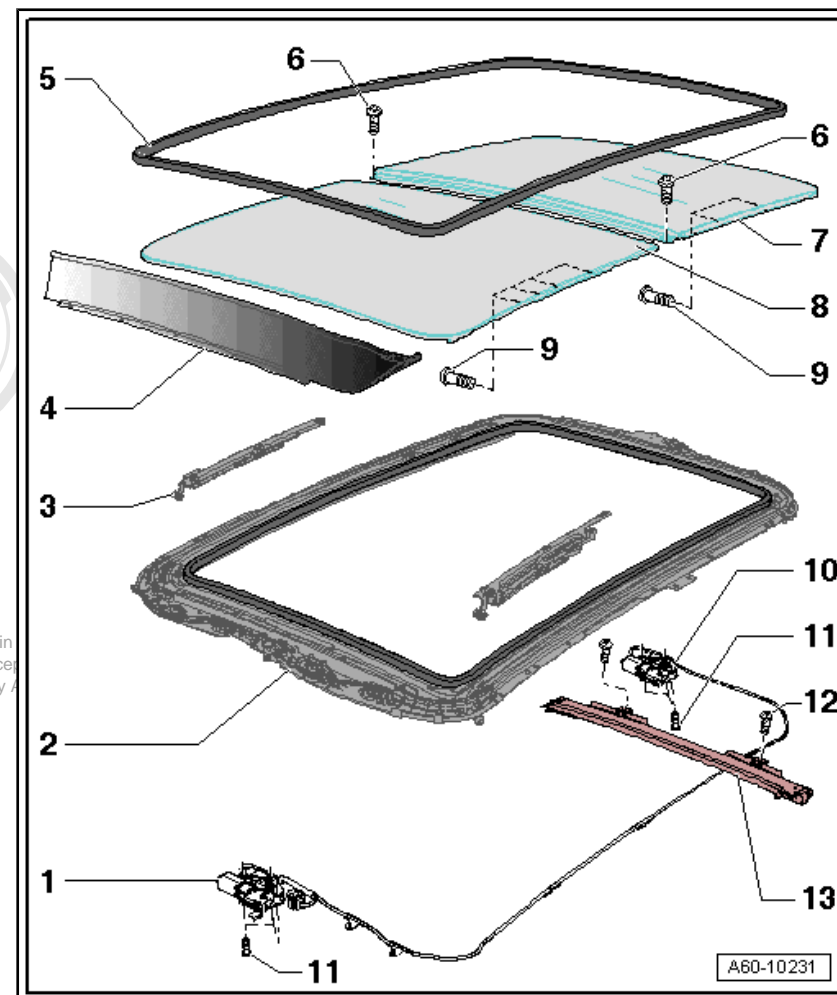
##### 10 - Roof Blind Control Module -J394-

□ Integrated with Sunroof Blind Motor -V260-

##### 13 - Sun Shade



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### 1 Comp. Loc. Comfort

◆ ⇒ [“1.1 Signal Horns”, page 1](#)

◆ ⇒ [“1.2 Power Front Seat Component Overview”, page 2](#)

◆ ⇒ [“1.3 Heated and Cooled Seats”, page 4](#)

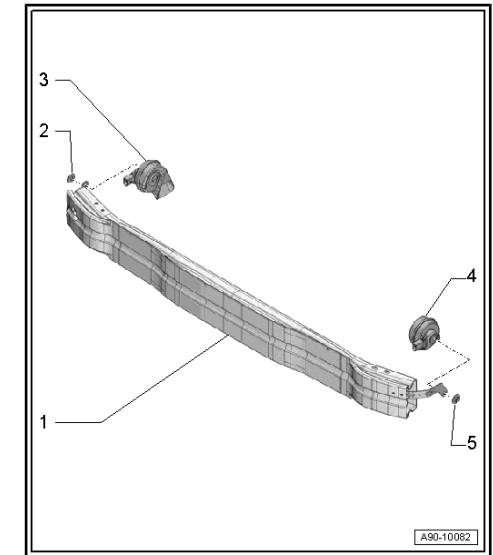
### 1.1 Signal Horns

1 - Front impact bumper

3 - Low Tone Horn -H7-

4 - High Tone Horn -H2-

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## 1.2 Power Front Seat Component Overview



### Note

The overview is based on a power standard front seat. The electrical and electronic components are

**1 - Driver Seat Position Sensor -G553- and Front Passenger Seat Position Sensor -G554-**

**2 - Driver Seat Forward/Back Adjustment Motor -V28- and Front Passenger Seat Forward/Back Adjustment Motor -V31-**

- ❑ Driver Seat Forward/Back Adjustment Motor -V28- integrated with Driver Seat Forward/Back Adjustment Sensor -G227-

**3 - Heating Elements ⇒ page 4**

- ❑ The heating elements are bonded with the upholstery

The heating elements are as follows:

- ◆ Driver Seat Heating Element -Z6- integrated with Driver Seat Side Bolster Heater -Z31- and Left Front Seat Temperature Sensor -G344-
- ◆ Driver Backrest Heating Element -Z7-
- ◆ Front Passenger Seat Heating Element -Z8- integrated with Front Passenger Seat Side Bolster Heater -Z33- and Right Front Seat Temperature Sensor -G345-
- ◆ Front Passenger Backrest Heating Element -Z9-
- ◆ Left Rear Seat Heating Element -Z10- integrated with Rear Seat Occupied Sensor (on Driver side) -G177- and Left Rear Heated Seat Temperature Sensor -G94-
- ◆ Left Rear Backrest Heating Element -Z11-
- ◆ Right Rear Seat Heating Element -Z12- integrated with Right Rear Heated Seat Temperature Sensor -G95- and Rear Seat Occupied Sensor (on front Passenger side) -G178-
- ◆ Right Rear Backrest Heating Element -Z13-

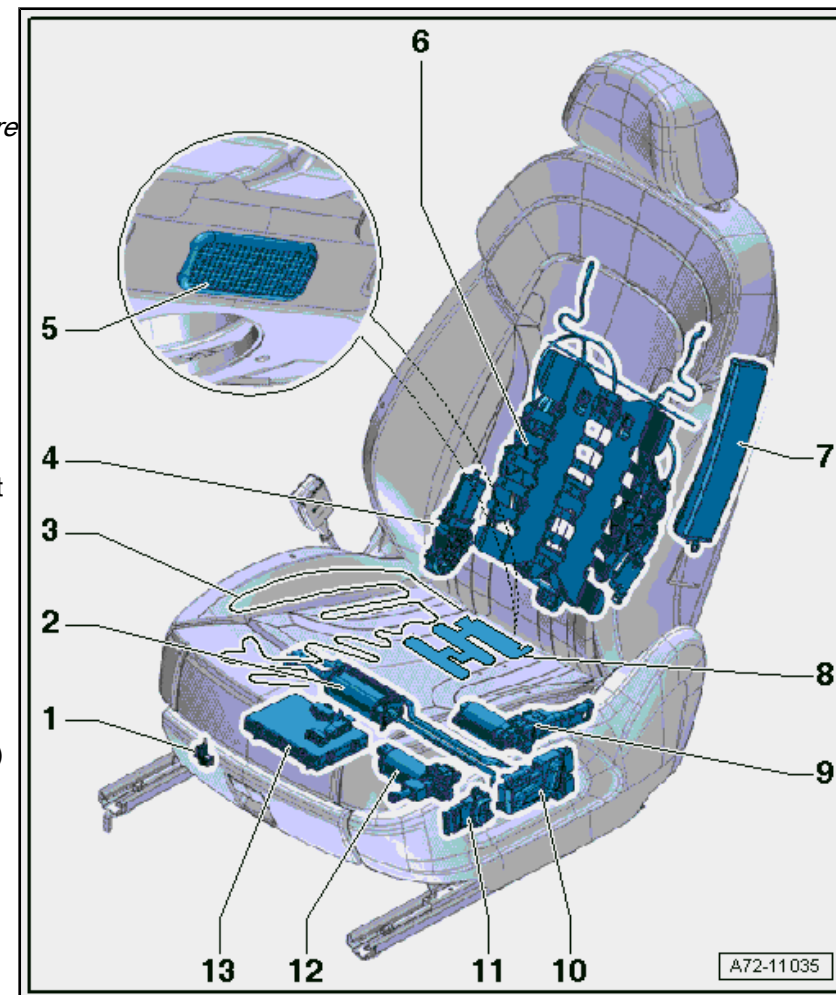
**4 - Driver Backrest Adjustment Motor -V45- and Front Passenger Backrest Adjustment Motor -V46-**

- ❑ Driver Backrest Adjustment Motor -V45- integrated with Driver Backrest Adjustment Sensor -G230-

**5 - Footwell Lamp**

**6 - Four-Way Lumbar Support**

- ◆ Driver Seat Lumbar Support Curvature Adjustment Motor -V125-



- ◆ Driver Seat Lumbar Support Height Adjustment Motor -V129-
- ◆ Front Passenger Seat Lumbar Support Curvature Adjustment Motor -V126-
- ◆ Front passenger Seat Lumbar Support Height Adjustment Motor -V130-
- 7 - Driver Side Airbag Igniter -N199- and Front Passenger Side Airbag Igniter -N200-**
- 8 - Front Passenger Seat Occupied Sensor -G128-**
- 9 - Driver Seat Height Adjustment Motor -V245- and Front Passenger Seat Height Adjustment Motor -V246-**
  - Driver Seat Height Adjustment Motor -V245- integrated with Driver Seat Height Adjustment Sensor -G231-
- 10 - Driver Seat Adjustment Control Head -E470- and Front Passenger Seat Adjustment Control Head -E471-**
  - Integrated with adjustment switches
- 11 - Driver Seat Lumbar Support Adjustment Switch -E176- and Front Passenger Seat Lumbar Support Adjustment Switch -E177-**
- 12 - Driver Seat Angle Adjustment Motor -V243- and Front Passenger Seat Angle Adjustment Motor -V244-**
  - Driver Seat Angle Adjustment Motor -V243- integrated with Driver Seat Tilt Adjustment Sensor -G232-
- 13 - Memory Seat/Steering Column Adjustment Control Head**
  - Modules located under the front seat attached to a bracket
- Vehicles with seat memory:**
  - ◆ Memory Seat/Steering Column Adjustment Control Module -J136-
  - ◆ Passenger Memory Seat Control Module -J521-
- Vehicles with seat heating or Comfort seat:**
  - ◆ Left Front Seat Ventilation Control Module -J800- integrated in the seat heating function ⇒ [Item 1 \(page 6\)](#)
  - ◆ Right Front Seat Ventilation Control Module -J799- integrated in the seat heating function ⇒ [Item 1 \(page 6\)](#)



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## 1.3 Heated and Cooled Seats

### Standard Seat Shown

#### 1 - Upholstery

- ☐ For seat pan

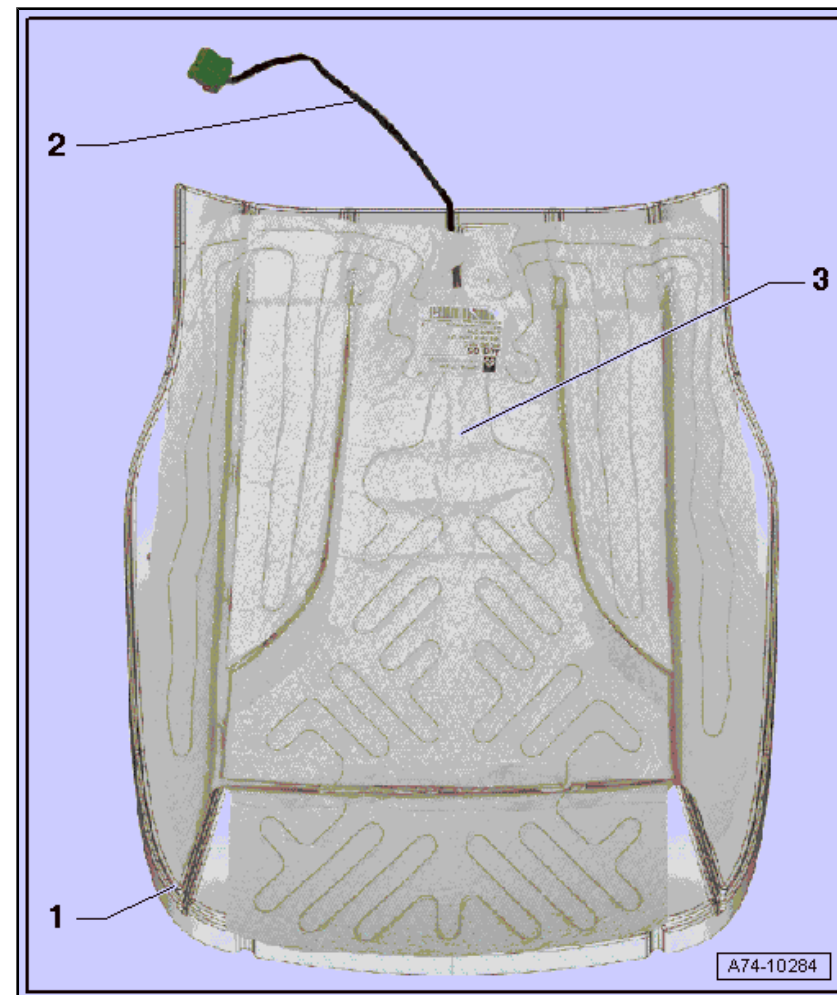
#### 2 - Wiring

- ☐ Permanently attached to the heating element

#### 3 - Driver Seat Heating Element -Z6- or Front Passenger Seat Heating Element -Z8-



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**Comfort Seat Shown**

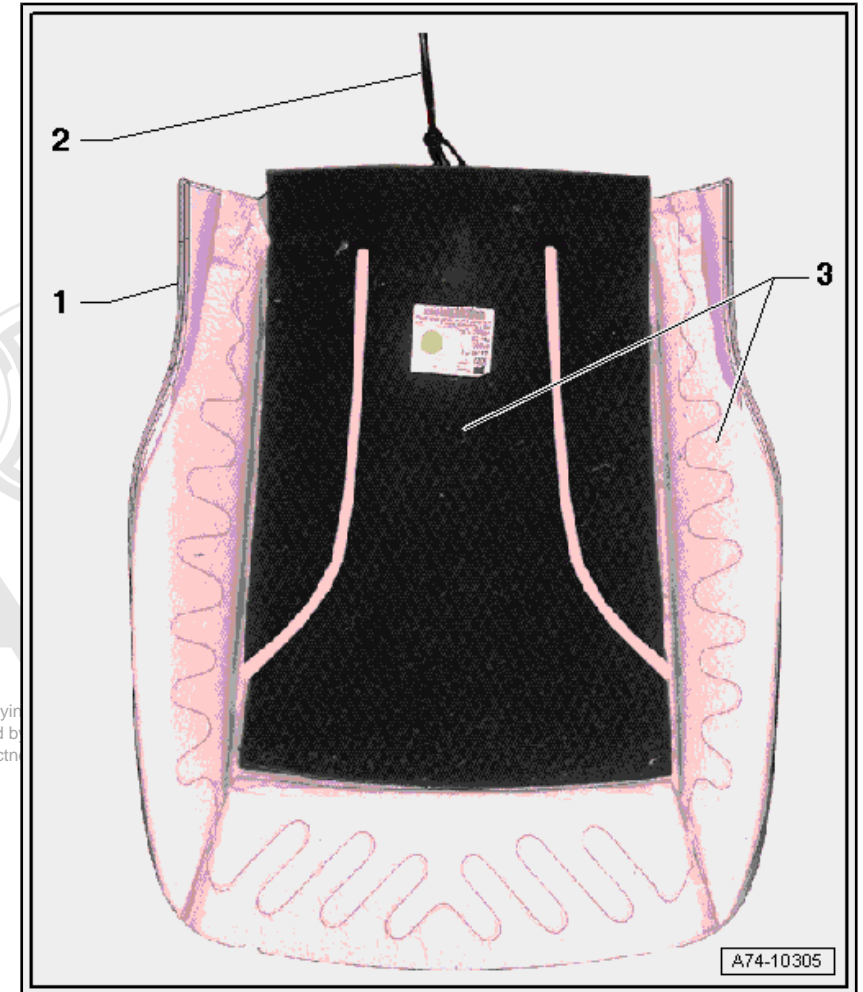
**1 - Upholstery**

- ☐ For seat pan

**2 - Wiring**

- ☐ Permanently attached to the heating element

**3 - Driver Seat Heating Element -Z6- or Front Passenger Seat Heating Element -Z8-**



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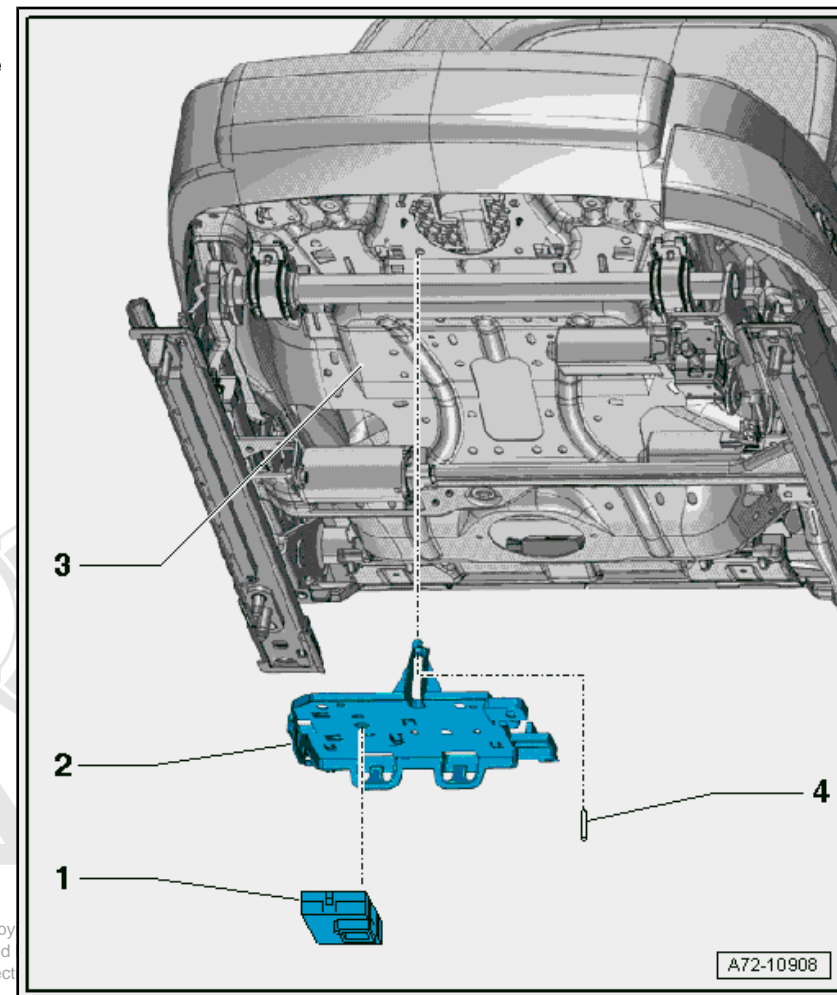
### Seat Ventilation Control Module

1 - Left Front Seat Ventilation Control Module -J800- and Right Front Seat Ventilation Control Module -J799-

☐ Integrated in the seat heating

2 - Bracket

3 - Front seat

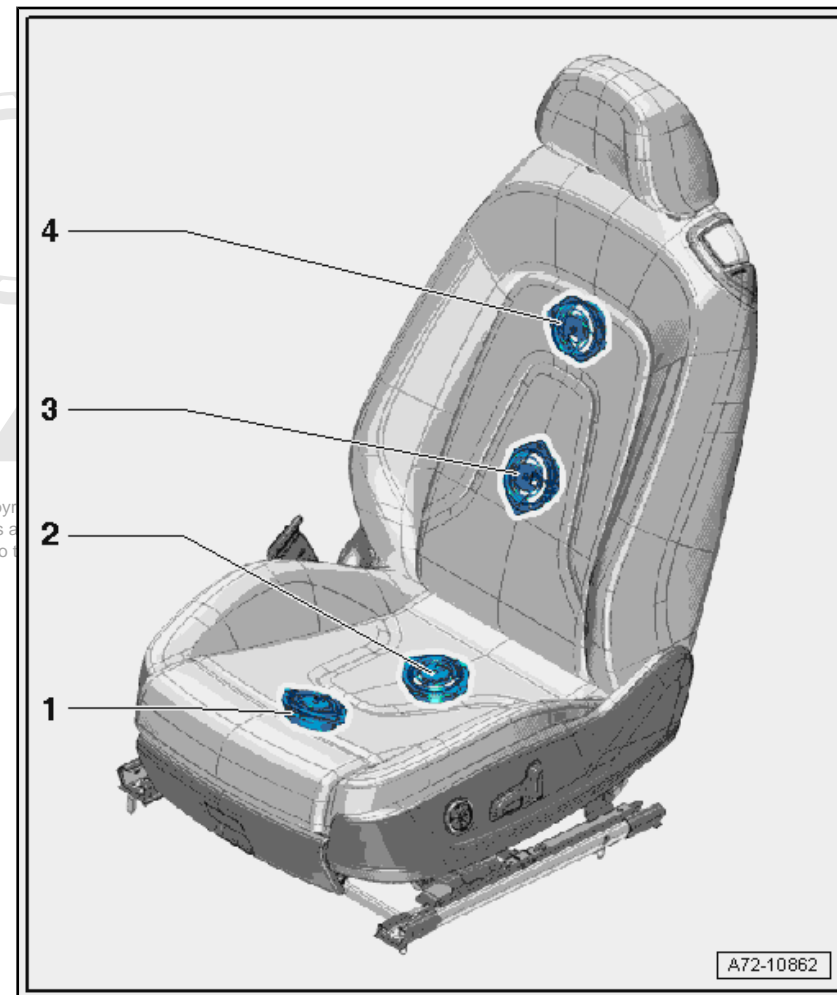


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### Seat Cushion and Backrest Fan Assembly Overview

- 1 - Driver Seat Cushion Blower Fan -V390- and Front Passenger Seat Cushion Blower Fan -V391-
- 2 - Driver Seat Cushion Blower Fan 2 -V419- and Passenger Seat Cushion Blower Fan 2 -V420-
- 3 - Driver Seat Backrest Blower Fan 2 -V417- and Passenger Seat Backrest Blower Fan 2 -V418-
- 4 - Driver Seat Backrest Blower Fan -V388- and Front Passenger Seat Backrest Blower Fan -V389-

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## 1 Comp. Loc. Steering

### 1.1 Dynamic Steering Components Overview

1 - Active Steering Control Module -J792-

2 - ESP Sensor Unit -G419- and ESP Sensor Unit 2 -G536-

ESP Sensor Unit -G419- is integrated with the following:

◆ Transverse Acceleration Sensor -G200-

◆ Rotation Rate Sensor -G202-

◆ Longitudinal Acceleration Sensor -G251-

3 - Steering Angle Sensor -G85-

4 - Instrument Cluster Control Module -J285-

5 - Charisma Switch Module -E592-

6 - Data Bus On Board Diagnostic Interface -J533-

7 - Vehicle Electrical System Control Module -J519-

8 - ABS Control Module -J104-

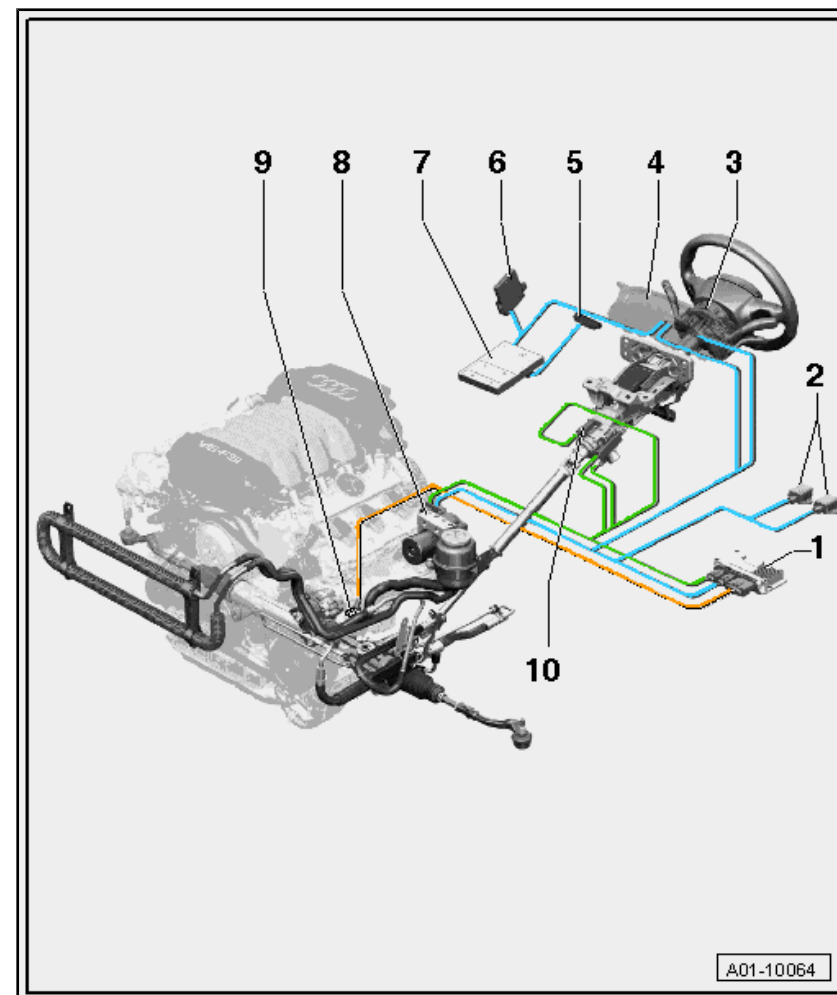
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9 - Power Steering Pump -V119-

☐ With Power Steering Pump Control Valve -(V119)-

☐ The pump and control valve are a single component and are replaced together

10 - Steering Column





# 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.
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**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.

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**I have read and I understand these Cautions and Warnings.**