

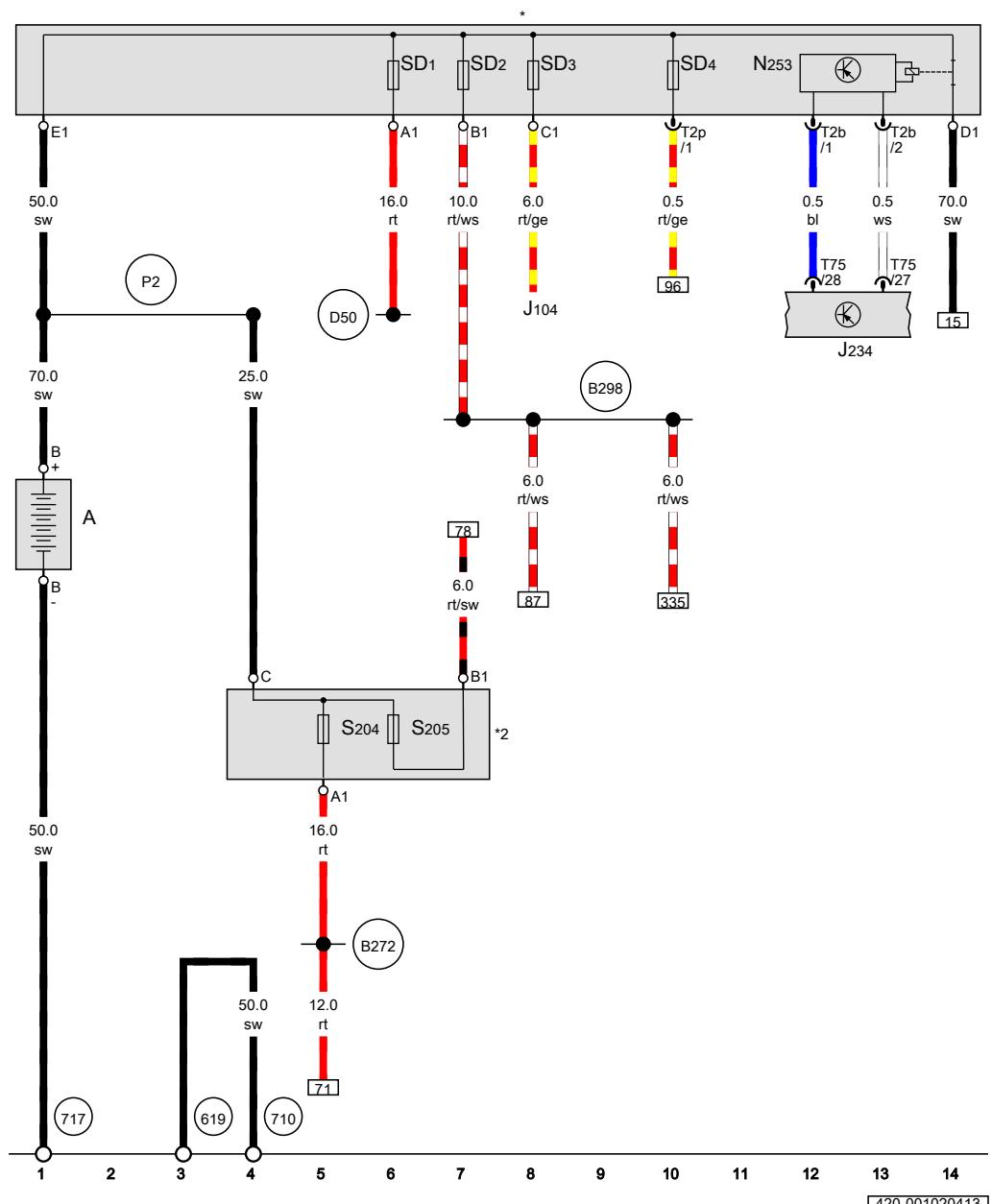
Standard equipment
from May 2006



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Battery, Battery interrupt igniter


A Battery

J104 ABS control module

J234 Airbag control module

N253 Battery interrupt igniter

SD1 Fuse 1 (on fuse panel D)

SD2 Fuse 2 (on fuse panel D)

SD3 Fuse 3 (on fuse panel D)

SD4 Fuse 4 (on fuse panel D)

S204 Fuse 1 (terminal 30)

S205 Fuse 2 (terminal 30), in the right front footwell

T2b Double connector

T2p Double connector, black

T75 75-pin connector, yellow

619 Ground connection on engine block, lower left

710 Ground connection 2 on left rear chassis side member

717 Ground connection on right front crossmember

B272 Positive connection (30) (in main wiring harness)

B298 Positive connection 2 (30) (in main wiring harness)

D50 Positive connection (30) (in engine compartment wiring harness)

P2 Positive connection (30) (in battery wiring harness)

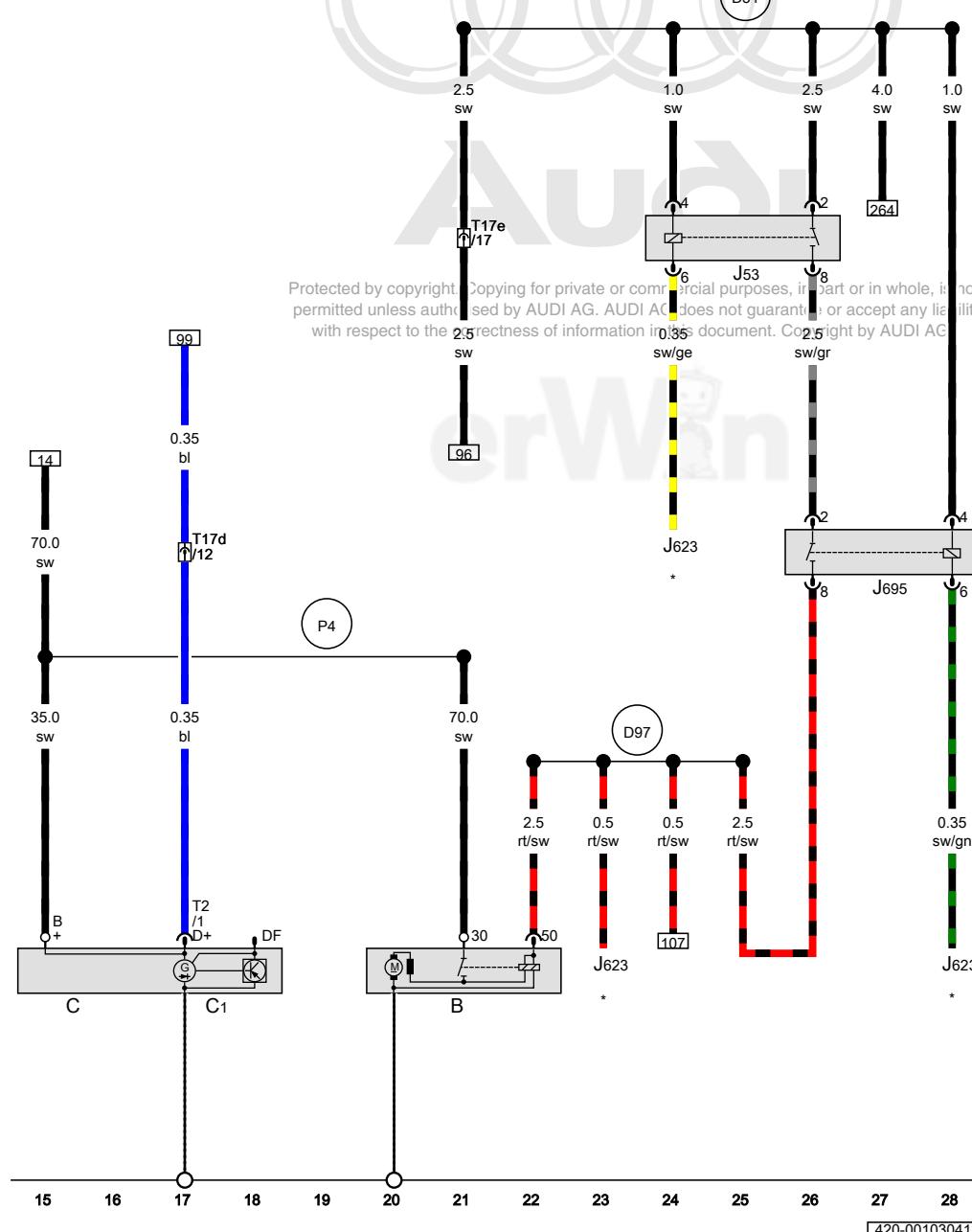
* Main fuse box in the right front footwell

*2 Main distribution in the right front footwell

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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 |
| ge | = yellow |
| or | = orange |
| rs | = pink |

F420-00100204131



Starter, Generator, Starter relay, Relay 2 for starter

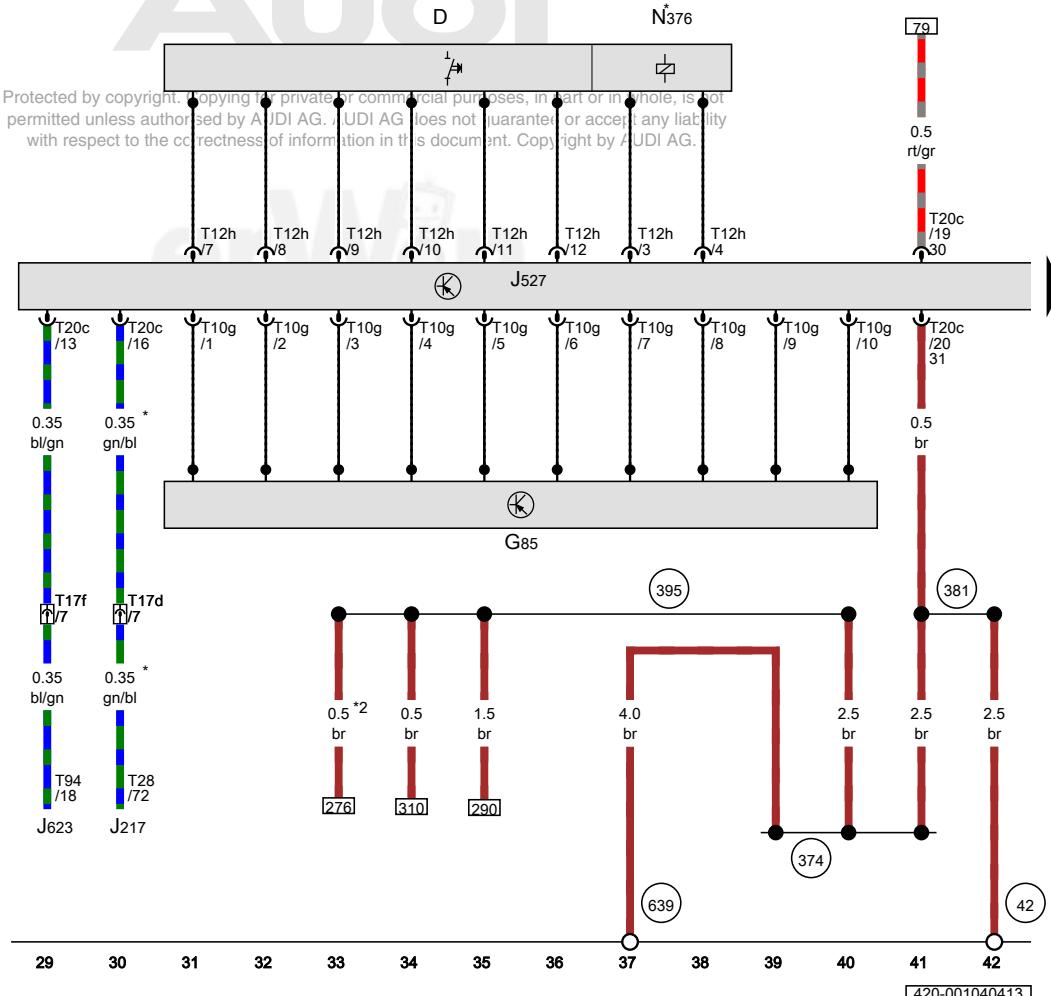
- B Starter
 - C Generator
 - C1 Voltage regulator
 - J53 Starter relay, 9-pin relay and fuse panel C under the rear shelf, right
 - J623 Engine control module
 - J695 Relay 2 for starter, 9-pin relay and fuse panel C under the rear shelf, right
 - T2 Double connector
 - T2a Double connector
 - T17d 17-pin connector, Connector station under the rear shelf, brown
 - T17e 17-pin connector, Connector station under the rear shelf, red
 - D51 Positive connection 1 (15) (in engine compartment wiring harness)
 - D97 Connection 50 (in right engine compartment wiring harness)
 - P4 Positive connection 2 (30) (in battery wiring harness)
- * Refer to applicable engine wiring diagram

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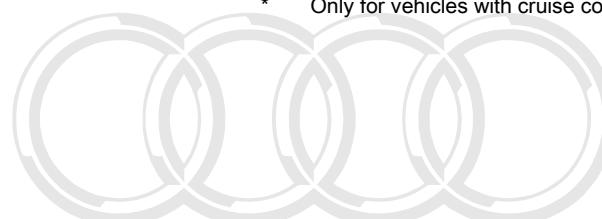
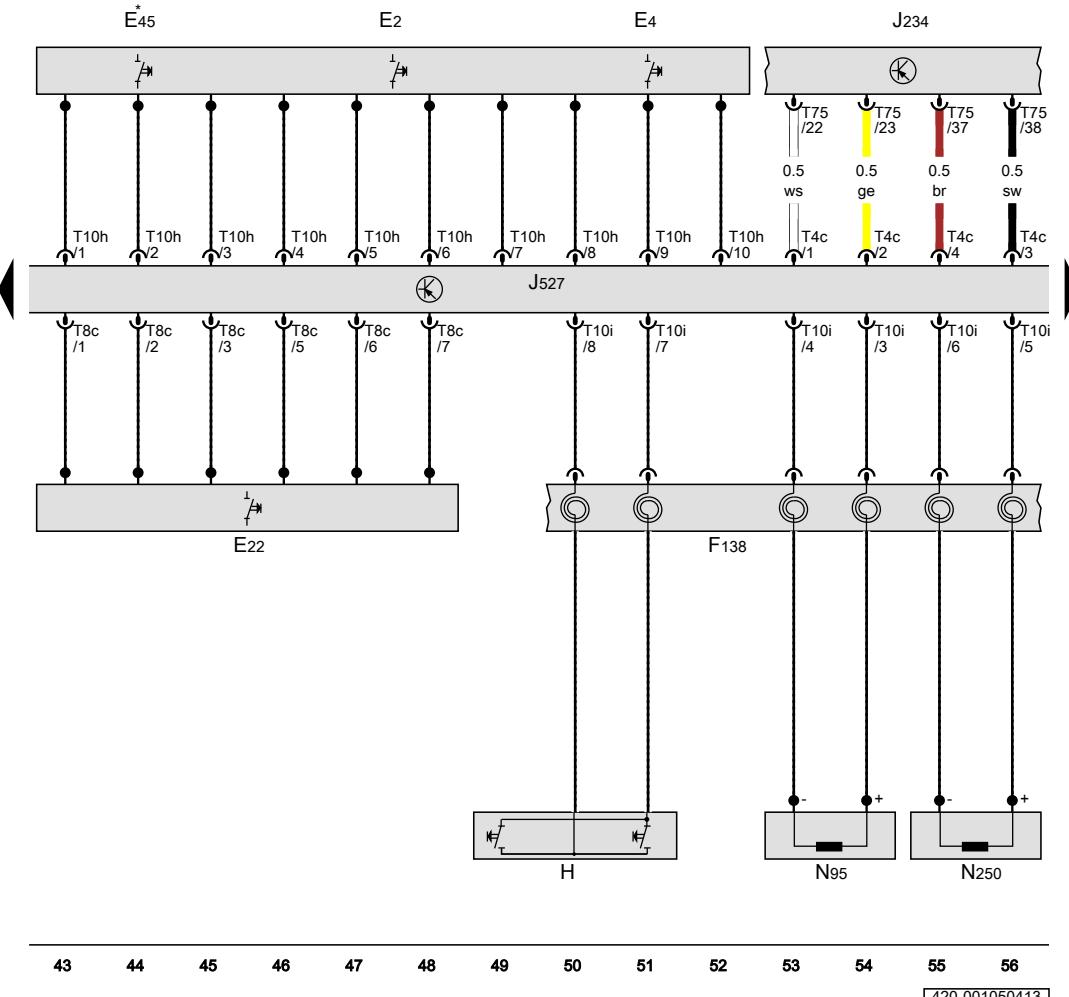
Ignition/starter switch, Steering column electronics control module

- D Ignition/starter switch
 - G85 Steering angle sensor
 - J217 Transmission control module
 - J527 Steering column electronics control module
 - J623 Engine control module
 - N376 Ignition switch key lock solenoid
 - T10g 10-pin connector
 - T12h 12-pin connector
 - T17d 17-pin connector, Connector station under the rear shelf, right, brown
 - T17f 17-pin connector, on the fuel tank filler neck
 - T20c 20-pin connector, black
 - T28 28-pin connector, black
 - T94 94-pin connector, black
 - 42 Ground connection near steering column
 - 374 Ground connection 9 (in main wiring harness)
 - 381 Ground connection 16 (in main wiring harness)
 - 395 Ground connection 30 (in main wiring harness)
 - 639 Ground connection on left A-pillar
- * Only for vehicles with automated manual transmission (R tronic)
086
*2 Only for vehicles with a manual transmission

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**Turn signal switch, Headlamp dimmer/flasher switch,
Windshield wiper intermittent mode switch, Cruise control
switch, Signal horn activation, Steering column electronics
control module**

- E2 Turn signal switch
- E4 Headlamp dimmer/flasher switch
- E22 Windshield wiper intermittent mode switch
- E45 Cruise control switch
- F138 Airbag spiral spring/return spring with slip ring
- H Signal horn activation
- J234 Airbag control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4c 4-pin connector, yellow
- T8c 8-pin connector
- T10h 10-pin connector
- T10i 10-pin connector
- T75 75-pin connector, yellow
- * Only for vehicles with cruise control



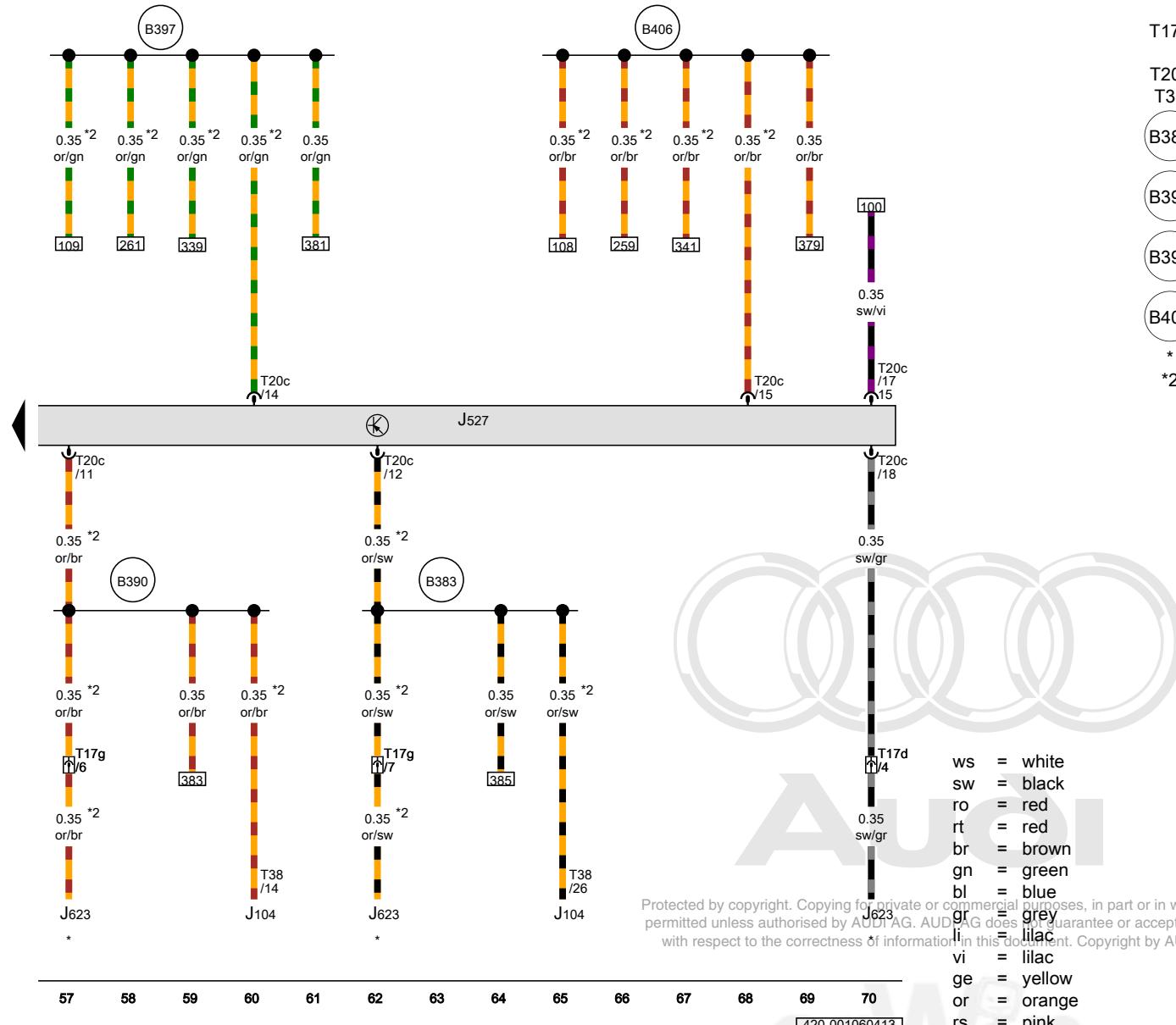
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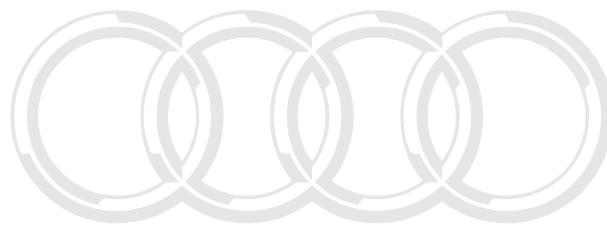
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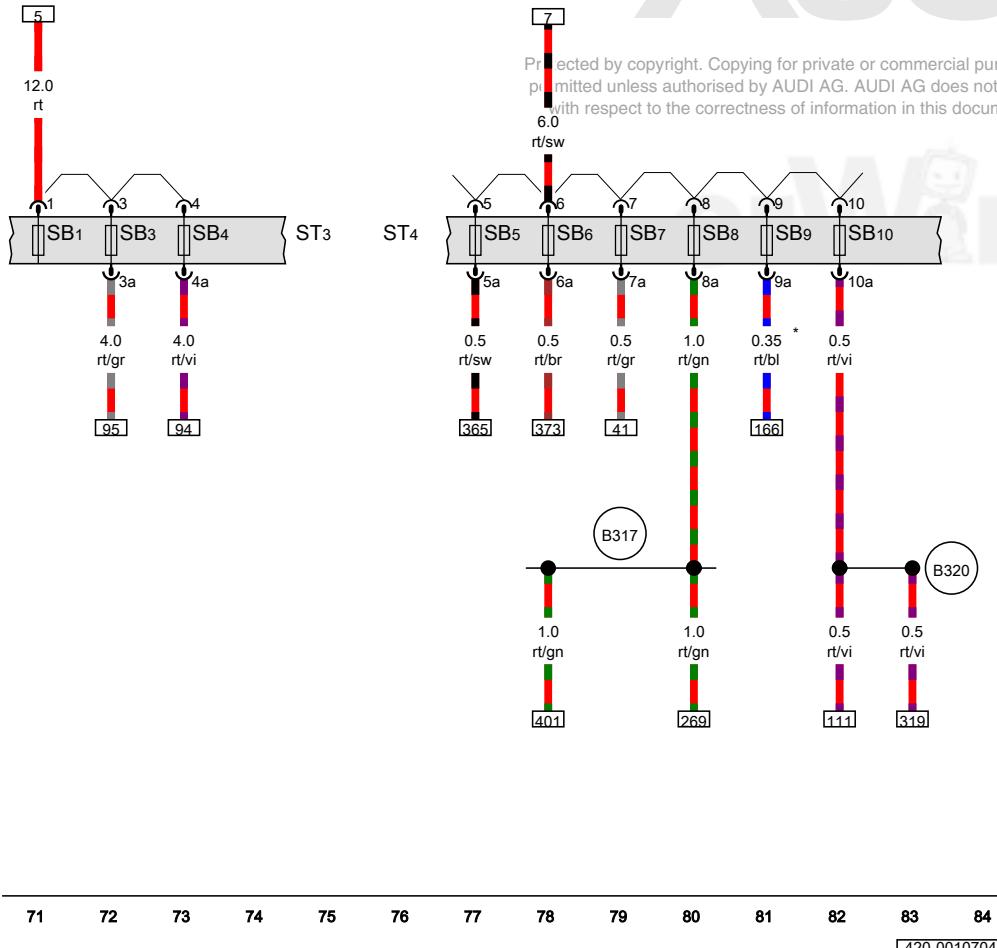
Steering column electronics control module

- J104 ABS control module
 J527 Steering column electronics control module
 J623 Engine control module
 T17d 17-pin connector, Connector station under the rear shelf, right, brown
 T17g 17-pin connector, Connector station under the rear shelf, right, black
 T20c 20-pin connector, black
 T38 38-pin connector, gray
 (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
 (B390) Powertrain CAN bus low connection 1 (in main wiring harness)
 (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
 (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
- * Refer to applicable engine wiring diagram
 *2 Data bus wire (CAN bus)





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Fuse panel 3, Fuse panel 4

- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SB4 Fuse 4 (on fuse panel B)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)

(B317) Positive connection 3 (30a) (in main wiring harness)

(B320) Positive connection 6 (30a) (in main wiring harness)

* Only for vehicles with rain/light recognition sensor

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Vehicle electrical system control module, Terminal 15 power supply relay 2, Sockets relay

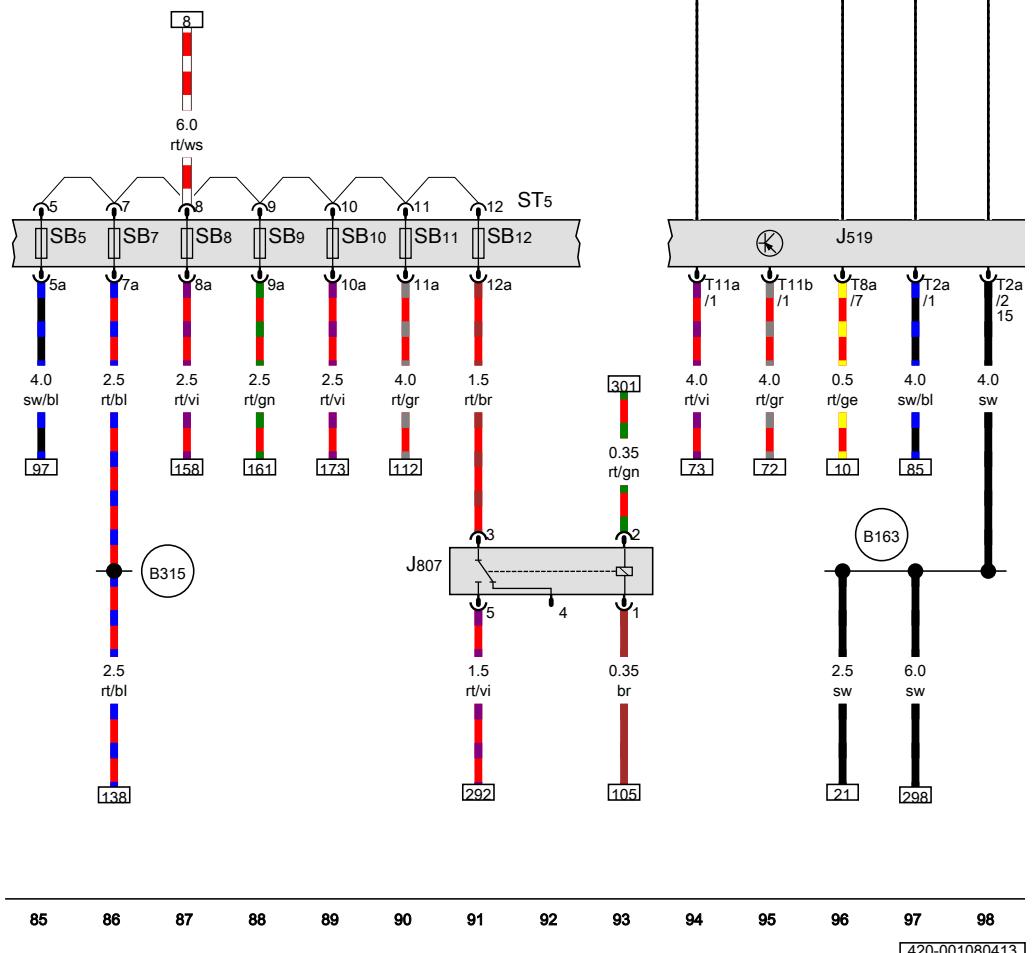
J519 Vehicle electrical system control module
 J681 Terminal 15 power supply relay 2
 J807 Sockets relay, Relay carrier in the right front footwell
 ST5 Fuse panel 5
 SB5 Fuse 5 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 SB9 Fuse 9 (on fuse panel B)
 SB10 Fuse 10 (on fuse panel B)
 SB11 Fuse 11 (on fuse panel B)
 SB12 Fuse 12 (on fuse panel B)
 T2a Double connector, black
 T8a 8-pin connector, black
 T11a 11-pin connector, black
 T11b 11-pin connector, brown

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

(B315) Positive connection 1 (30a) (in main wiring harness)

* Relay carrier on the vehicle electrical system control module in the right front footwell

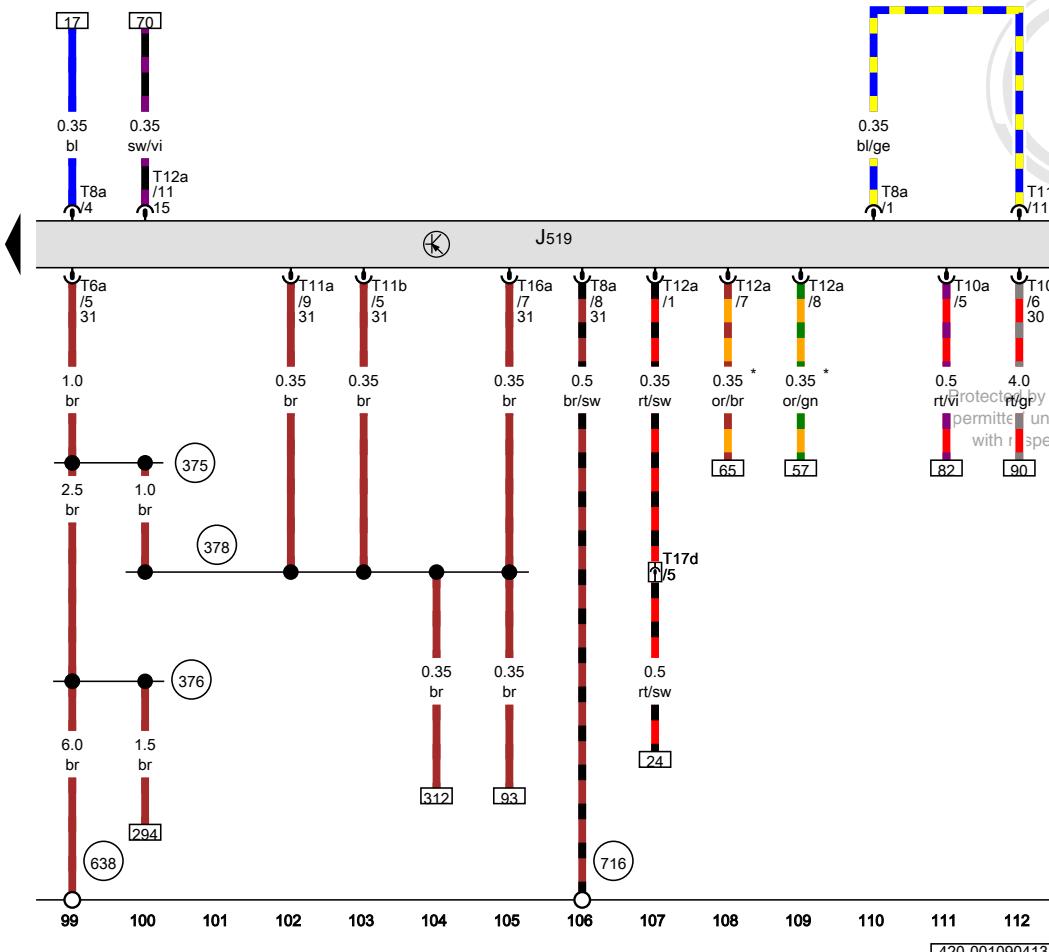
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 gr = grey
 li = lilac
 vi = lilac
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 or = orange
 rs = pink

Vehicle electrical system control module

- J519 Vehicle electrical system control module
- T6a 6-pin connector, black
- T8a 8-pin connector, black
- T10a 10-pin connector, black
- T11a 11-pin connector, black
- T11b 11-pin connector, brown
- T12a 12-pin connector, black
- T16a 16-pin connector, black
- T17d 17-pin connector, Connector station under the rear shelf, right, brown



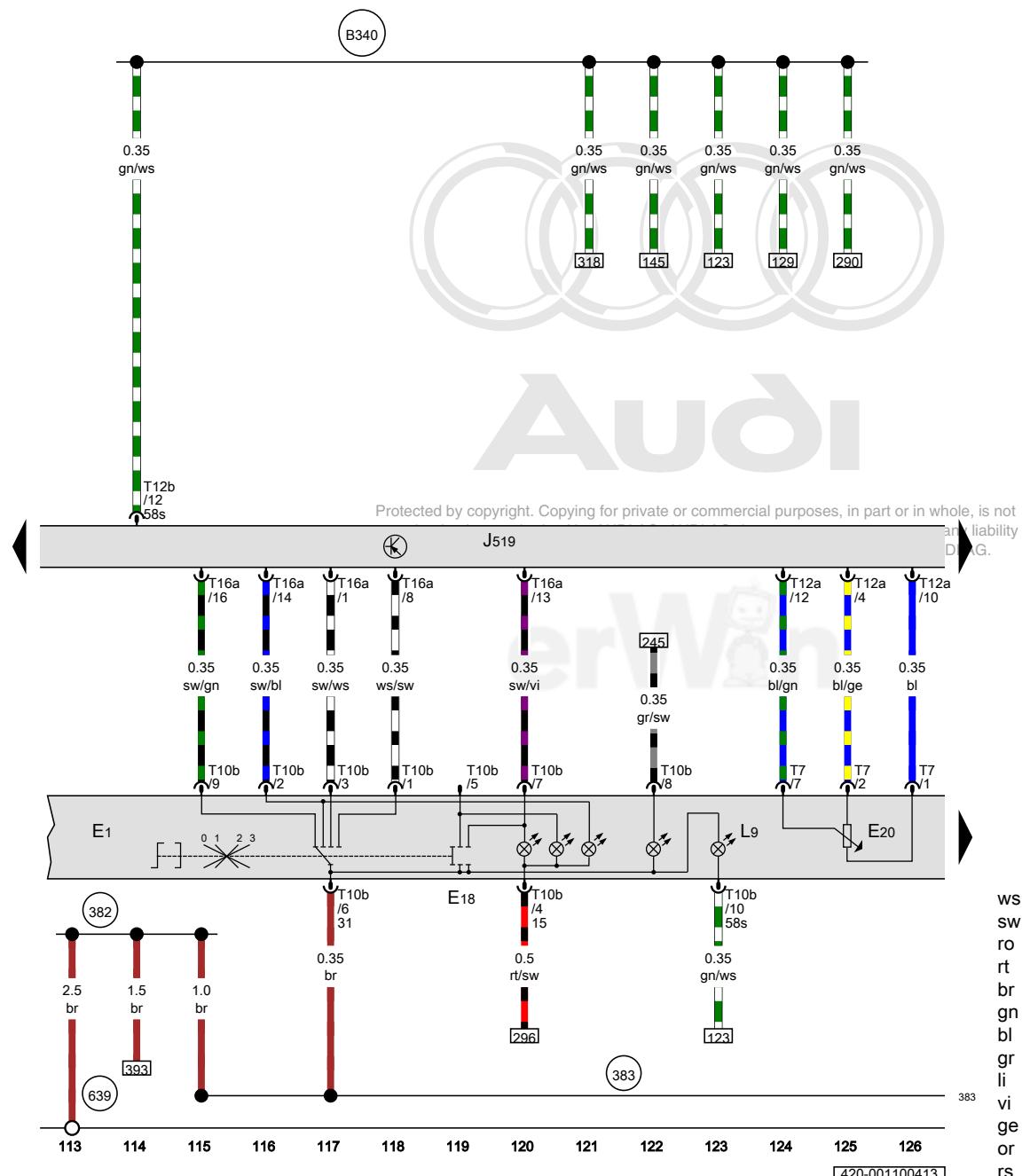
- 375 Ground connection 10 (in main wiring harness)
- 376 Ground connection 11 (in main wiring harness)
- 378 Ground connection 13 (in main wiring harness)
- 638 Ground connection on right A-pillar
- 716 Ground connection on right crossmember

* Data bus wire (CAN bus)

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Light switch, Instrument panel and switch illumination dimmer switch, Vehicle electrical system control module

E1 Light switch

E18 Rear fog lamp switch

E20 Instrument panel and switch illumination dimmer switch

J519 Vehicle electrical system control module

L9 Headlamp switch illumination bulb

T7 7-pin connector, black

T10b 10-pin connector, black

T12a 12-pin connector, black

T12b 12-pin connector, black

T16a 16-pin connector, black

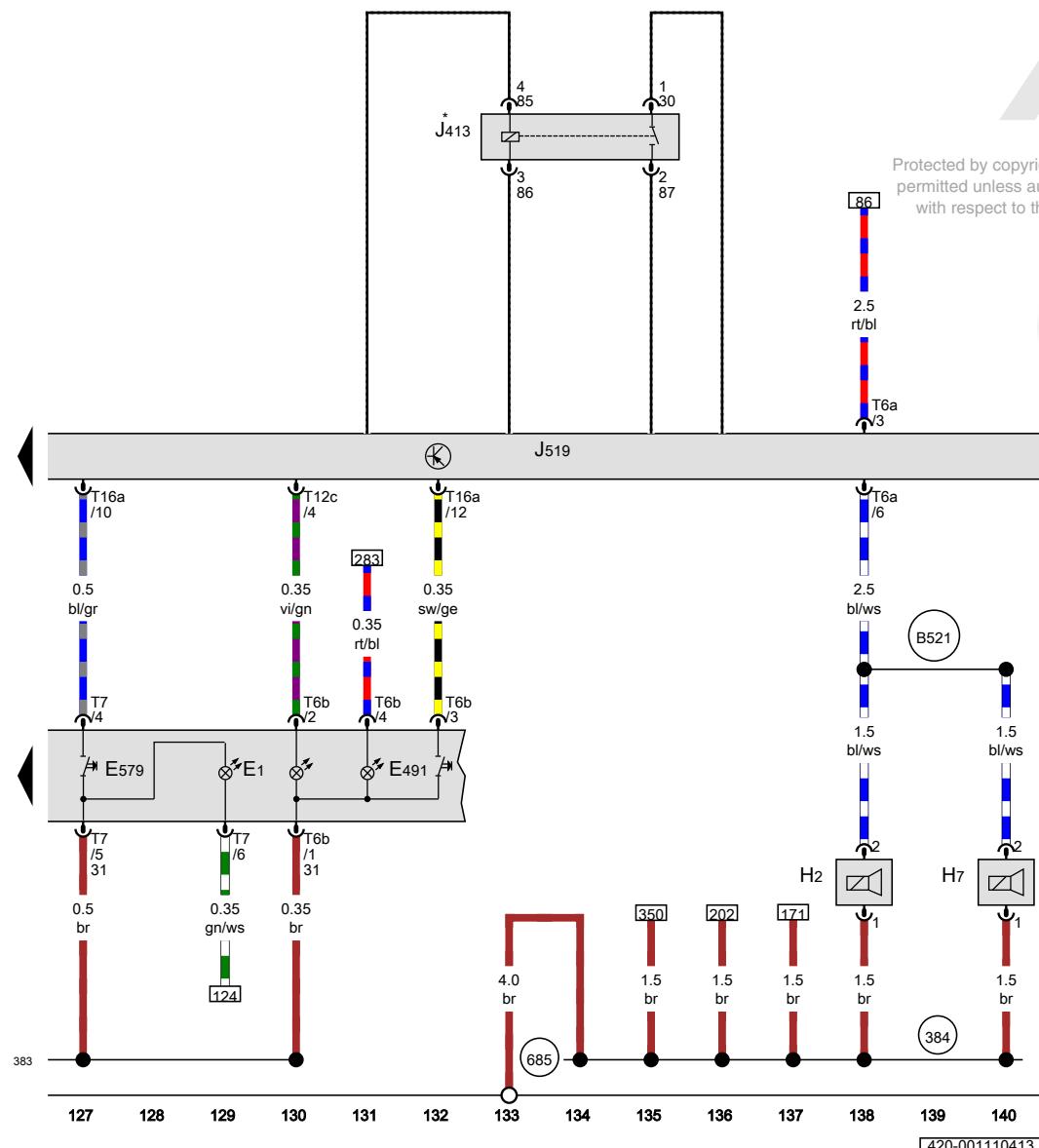
382 Ground connection 17 (in main wiring harness)

383 Ground connection 18 (in main wiring harness)

639 Ground connection on left A-pillar

B340 Connection 58d (in main wiring harness) 1

Light switch, Ambient lighting deactivation switch, Daytime running lamps disabling switch, High tone horn, Low tone horn, Horn relay, Vehicle electrical system control module



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- E1 Light switch
- E491 Ambient lighting deactivation switch
- E579 Daytime running lamps disabling switch
- H2 High tone horn
- H7 Low tone horn
- J413 Horn relay
- J519 Vehicle electrical system control module
- T6a 6-pin connector, black
- T6b 6-pin connector, black
- T7 7-pin connector, black
- T12c 12-pin connector, brown
- T16a 16-pin connector, black

(383) Ground connection 18 (in main wiring harness)

(384) Ground connection 19 (in main wiring harness)

(685) Ground connection 1 on right front longitudinal member

(B521) Dual tone horn connection (in main wiring harness)

* Relay carrier on the vehicle electrical system control module in the right front footwell

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| gn | = green |
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Front center console control head, Vehicle electrical system control module

E127 Rear spoiler adjustment switch
 E229 Emergency flasher button
 E256 ASR/ESP button
 E266 Parking aid button
 E387 Damping adjustment button
 E461 Front center console control head
 J104 ABS control module
 J250 Electronic damping control module
 J446 Parking aid control module
 J519 Vehicle electrical system control module
 K6 Emergency flasher indicator lamp
 K136 Parking aid indicator lamp
 K189 Damping adjustment indicator lamp
 K242 Rear spoiler adjustment indicator lamp
 L156 Switch illumination bulb
 T12a 12-pin connector, black
 T16d 16-pin connector, brown
 T16e 16-pin connector, brown
 T38 38-pin connector, gray
 T47 47-pin connector, black

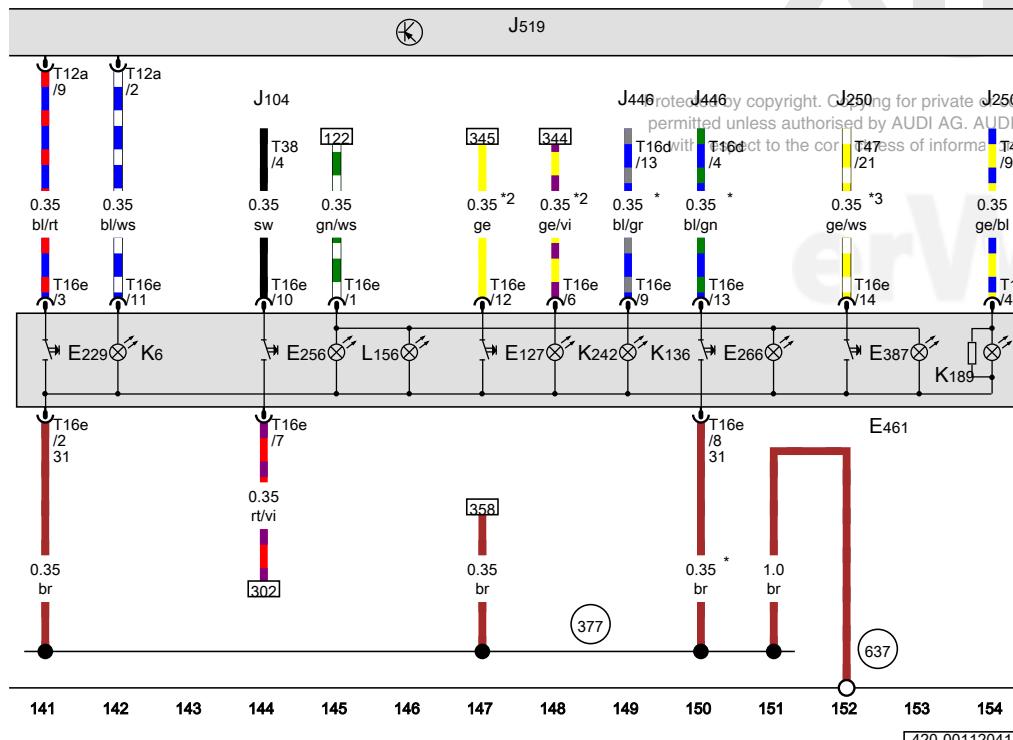
377 Ground connection 12 (in main wiring harness)

637 Airbag control module ground connection

Only for vehicles with park distance control (PDC)

Only for vehicles with an adjustable rear spoiler

Only for vehicles with electronic damping



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 gn = green
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 rs = pink

Rain/light recognition sensor, Wiper motor control module, Vehicle electrical system control module, Windshield washer pump relay, Front passenger windshield wiper motor control module, Windshield washer pump

J576 Rain/light recognition sensor
J400 Wiper motor control module
J519 Vehicle electrical system control module
J576 Windshield washer pump relay
J584 Front passenger windshield wiper motor control module

T6a 6-pin connector, black
T8a 8-pin connector, black
V5 Windshield washer pump
V216 Driver windshield wiper motor
V217 Front passenger windshield wiper motor

(370) Ground connection 5 (in main wiring harness)

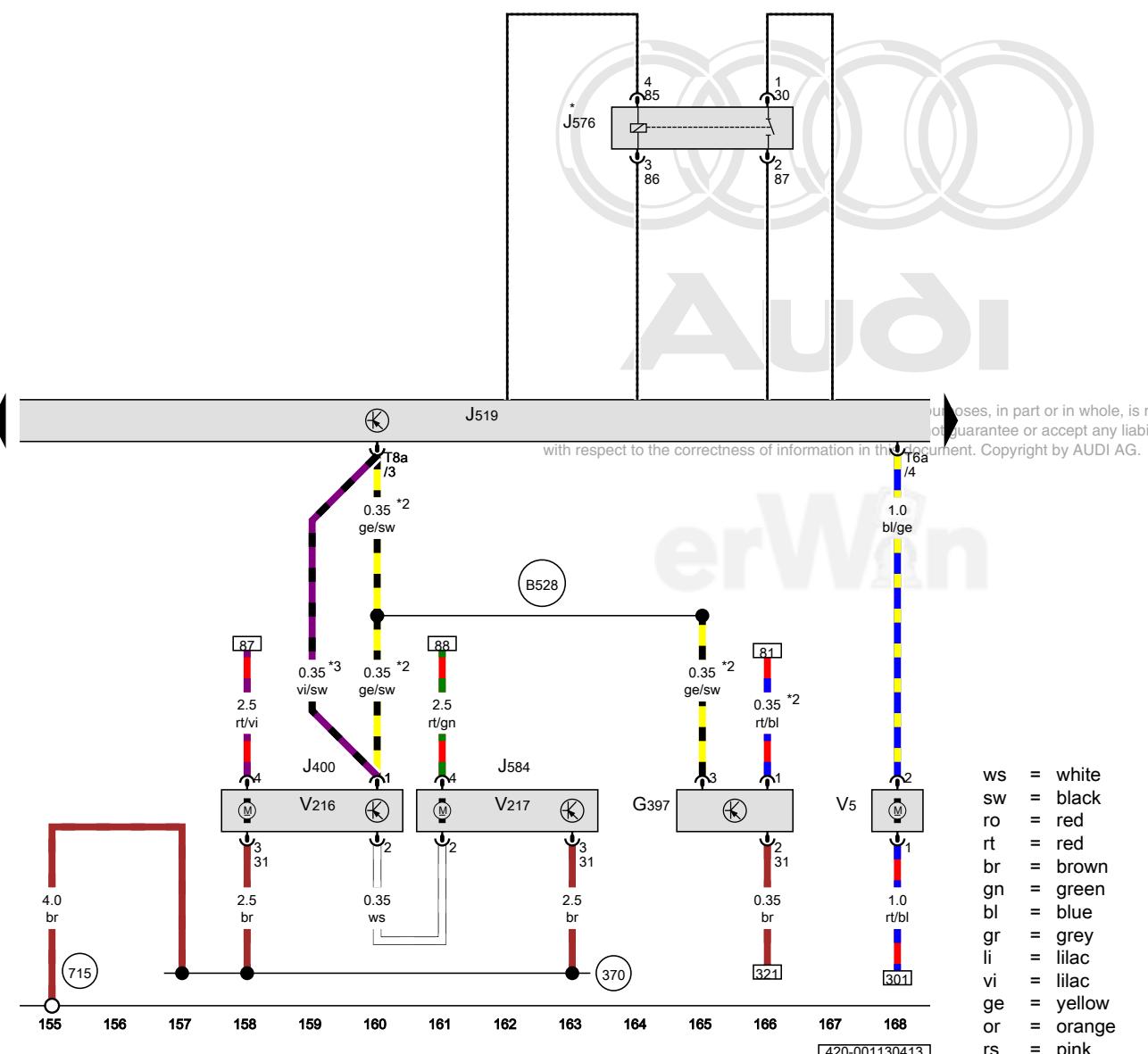
(715) Ground connection on left crossmember

(B528) LIN bus connection 1 (in main wiring harness)

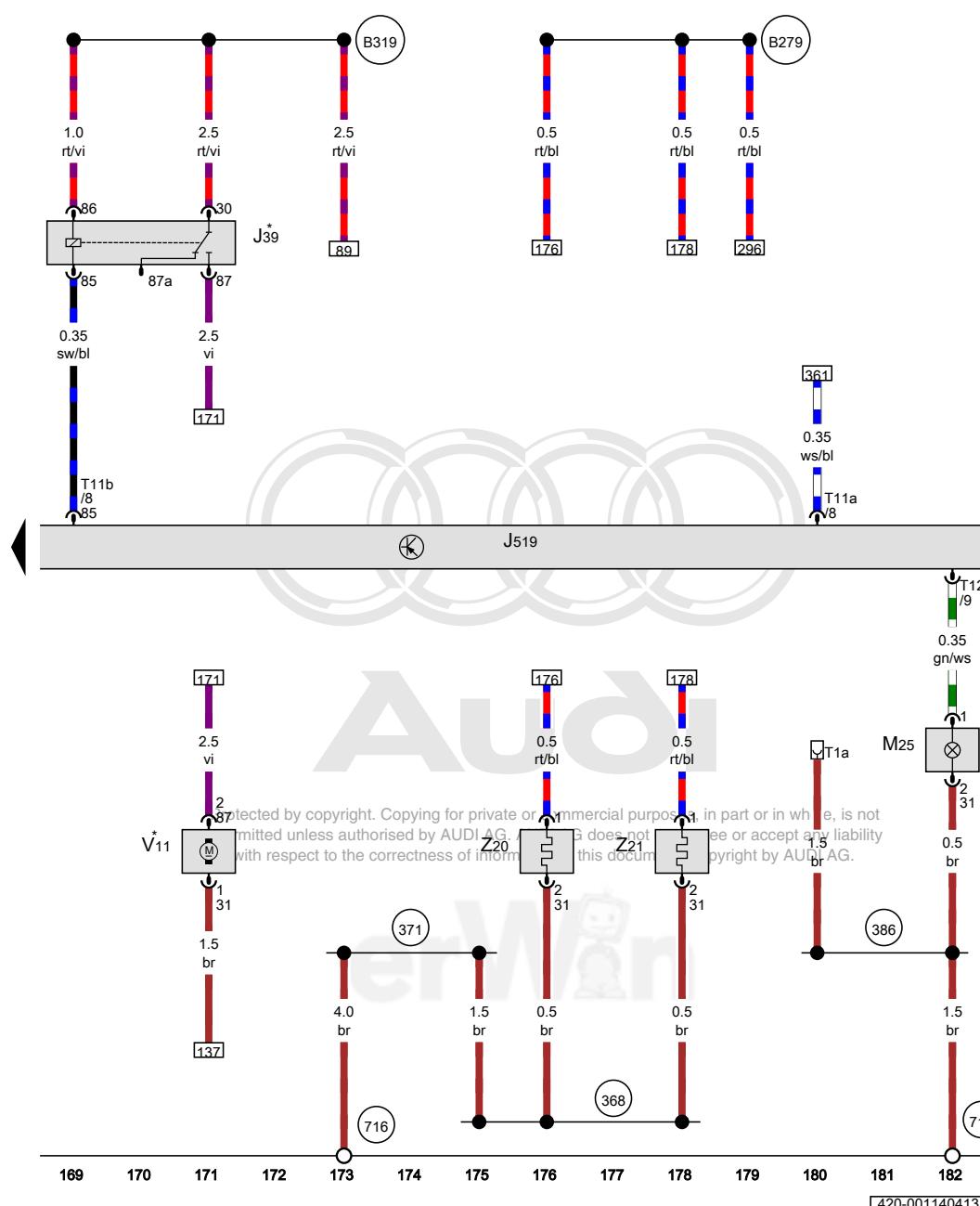
* Relay carrier on the vehicle electrical system control module in the right front footwell

*2 Only for vehicles with rain/light recognition sensor

*3 Only for vehicles without rain/light recognition sensor



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Headlamp washer relay, Vehicle electrical system control module, High-mounted brake lamp bulb, Left washer nozzle heater

- J39 Headlamp washer relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
- J519 Vehicle electrical system control module
- M25 High-mounted brake lamp bulb
- T1a Single connector, on the left fuel tank
- T11a 11-pin connector, black
- T11b 11-pin connector, brown
- T12c 12-pin connector, brown
- V11 Headlamp washer pump
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater
- 368 Ground connection 3 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 386 Ground connection 21 (in main wiring harness)
- 712 Ground connection under rear shelf, left
- 716 Ground connection on right crossmember
- B279 Positive connection 3 (15a) (in main wiring harness)
- B319 Positive connection 5 (30a) (in main wiring harness)

* Only for vehicles with a headlamp washer system

Legend for wire colors:

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

Vehicle electrical system control module, Left headlamp power output stage

J343 Left HID headlamp control module

J519 Vehicle electrical system control module

J667 Left headlamp power output stage, on the left headlamp

L13 Left HID headlamp bulb

L174 Left daytime running lamp bulb

L176 Left daytime running lamp and position lamp LED module

M1 Left position lamp bulb

M5 Left front turn signal bulb

T11a 11-pin connector, black

T11b 11-pin connector, brown

T14a 14-pin connector, black

V294 Left low beam headlamp reflector motor

(366) Ground connection 1 (in main wiring harness)

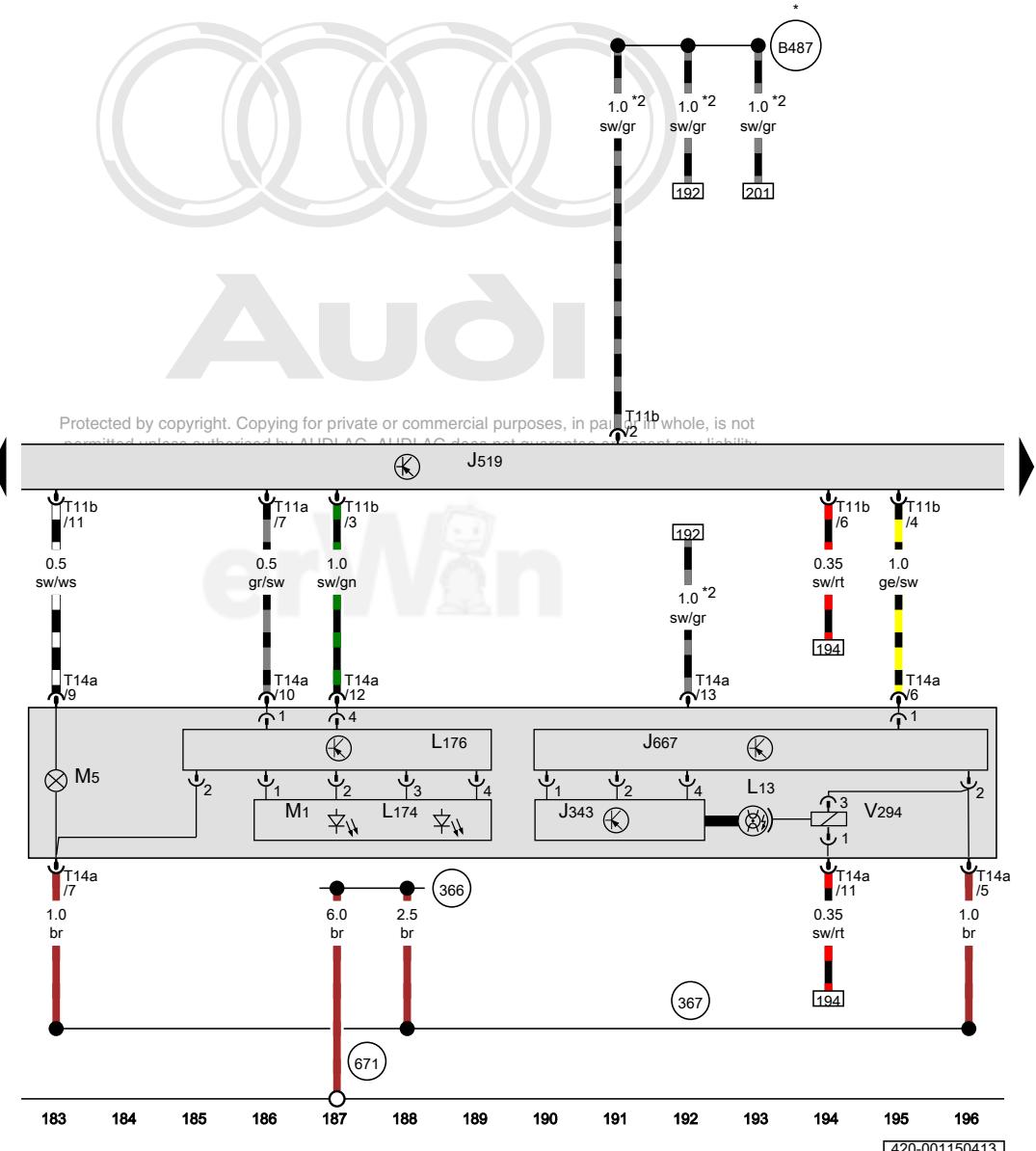
(367) Ground connection 2 (in main wiring harness)

(671) Ground connection 1 on left front longitudinal member

(B487) Connection 23 (in main wiring harness)

* from June 2008

*2 Installation instructions for LED headlamps



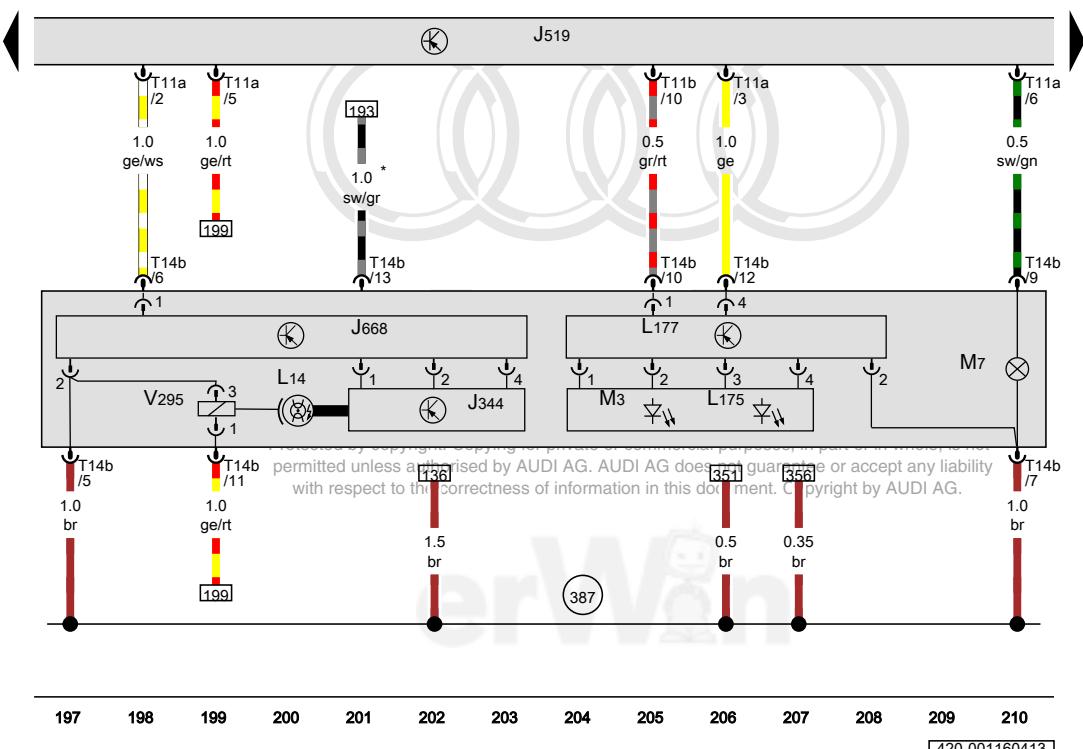
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Vehicle electrical system control module, Right headlamp power output stage

- J344 Right HID headlamp control module
 J519 Vehicle electrical system control module
 J668 Right headlamp power output stage, on the right headlamp
 L14 Right HID headlamp bulb
 L175 Right daytime running lamp bulb
 L177 Right daytime running lamp and position lamp LED module
 M3 Right position lamp bulb
 M7 Right front turn signal bulb
 T11a 11-pin connector, black
 T11b 11-pin connector, brown
 T14b 14-pin connector, black
 V295 Right low beam headlamp reflector motor

(387) Ground connection 22 (in main wiring harness)

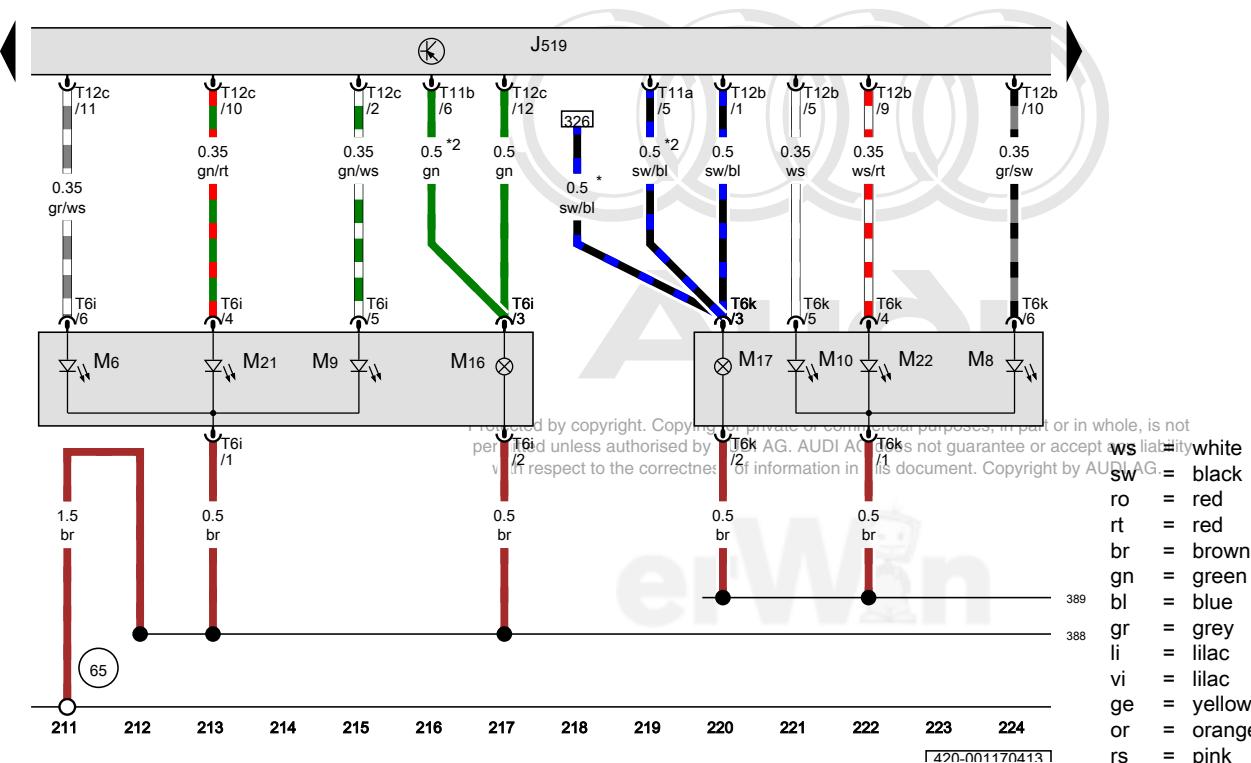
* Installation instructions for LED headlamps



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Vehicle electrical system control module, Left brake/tail lamp bulb, Right brake/tail lamp bulb

- J519 Vehicle electrical system control module
 M6 Left rear turn signal bulb
 M8 Right rear turn signal bulb
 M9 Left brake lamp bulb
 M10 Right brake lamp bulb
 M16 Left back-up lamp bulb
 M17 Right back-up lamp bulb
 M21 Left brake/tail lamp bulb
 M22 Right brake/tail lamp bulb
 T6i 6-pin connector, black
 T6k 6-pin connector, black
 T11a 11-pin connector, black
 T11b 11-pin connector, brown
 T12b 12-pin connector, black
 T12c 12-pin connector, brown
- (65) Ground connection on left rear longitudinal member
 (388) Ground connection 23 (in main wiring harness)
 (389) Ground connection 24 (in main wiring harness)
- * Only for vehicles with automatic dimming interior rearview mirror
 *2 Depending on equipment



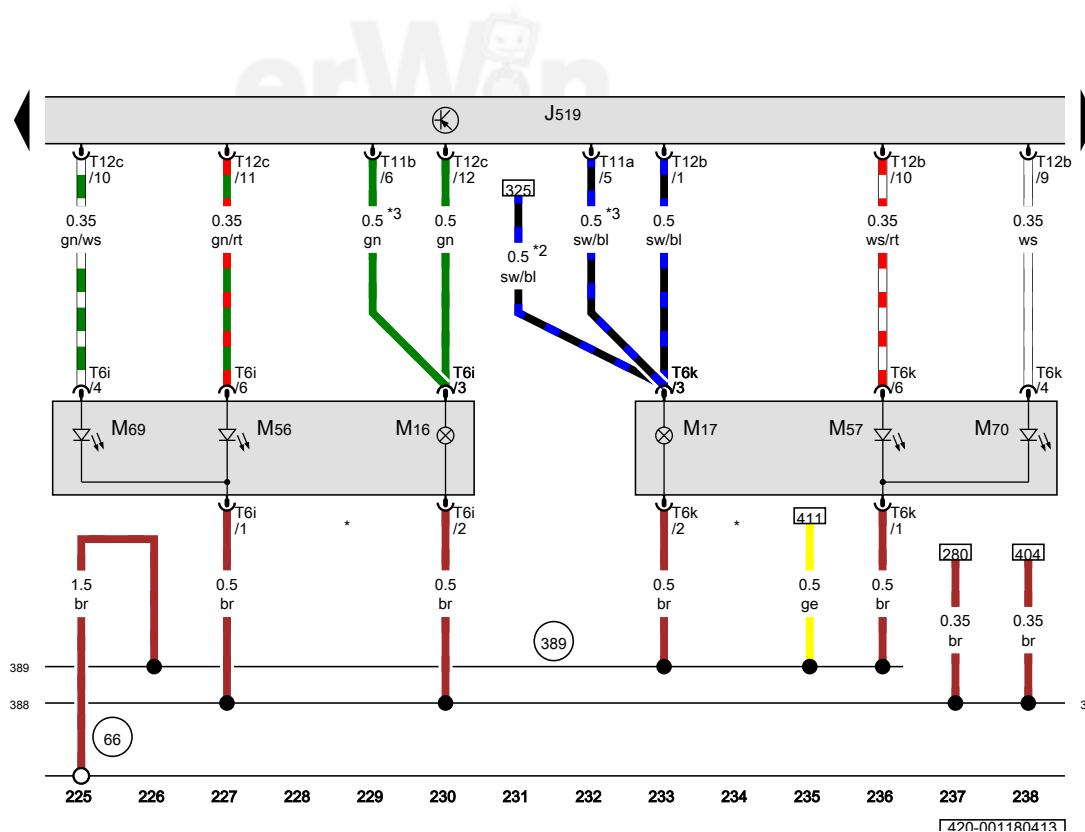
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Vehicle electrical system control module, Right back-up lamp bulb, Right brake lamp/turn signal bulb, Left brake lamp/turn signal/tail lamp bulb

J519 Vehicle electrical system control module
M16 Left back-up lamp bulb
M17 Right back-up lamp bulb
M56 Left brake lamp/turn signal bulb
M57 Right brake lamp/turn signal bulb
M69 Left brake lamp/turn signal/tail lamp bulb
M70 Right brake lamp/turn signal/tail lamp bulb
T6i 6-pin connector
T6k 6-pin connector
T11a 11-pin connector, black
T11b 11-pin connector, brown
T12b 12-pin connector, black
T12c 12-pin connector, brown

66 Ground connection on right rear longitudinal member

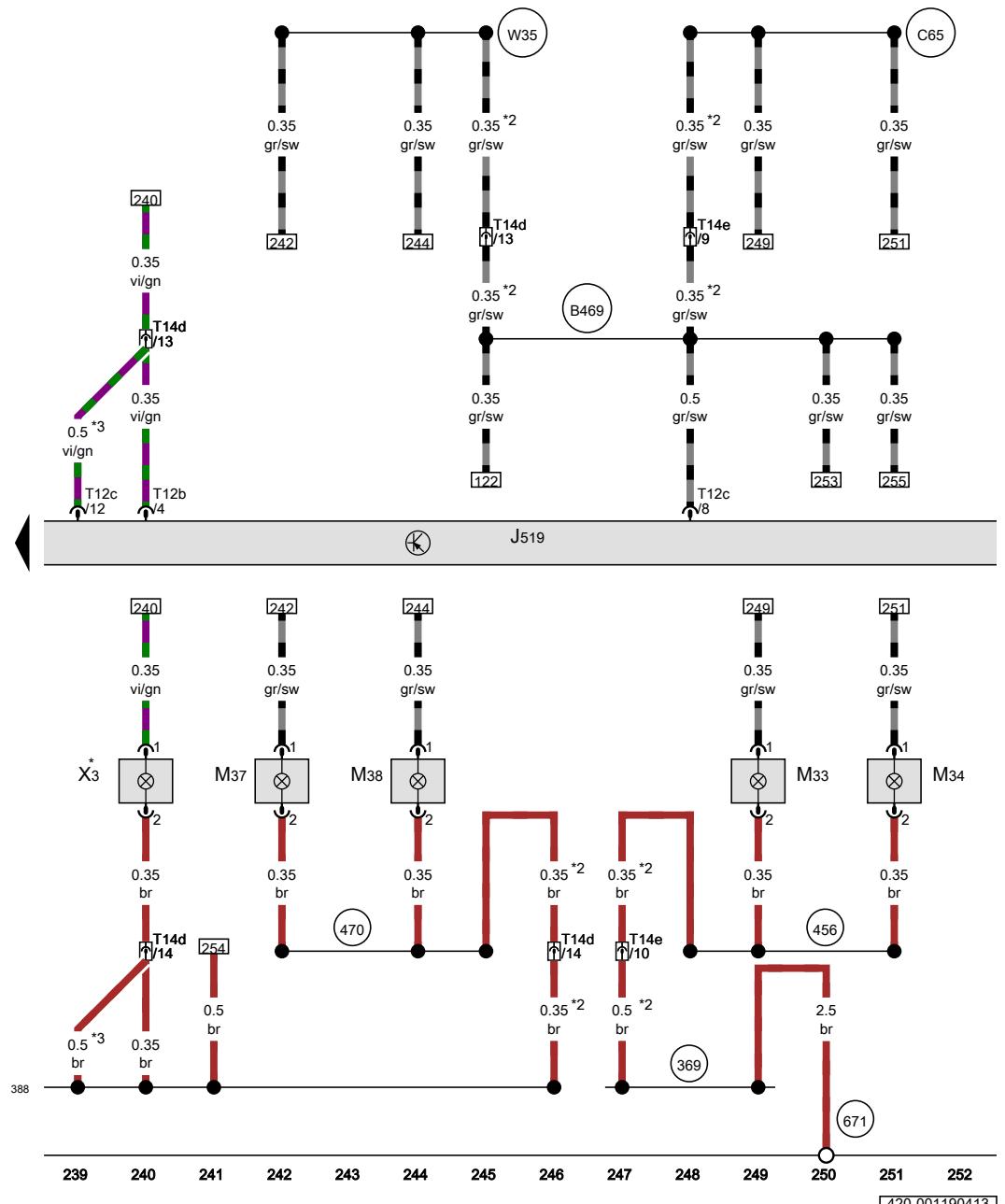
388 Ground connection 23 (in main wiring harness)

389 Ground connection 24 (in main wiring harness)

* USA only

*2 Only for vehicles with automatic dimming interior rearview mirror

*3 Depending on equipment



Vehicle electrical system control module, Left front side marker lamp bulb, Left rear side marker lamp bulb, Rear fog lamp

J519 Vehicle electrical system control module

M33 Left front side marker lamp bulb

M34 Right front side marker lamp bulb

M37 Left rear side marker lamp bulb

M38 Right rear side marker lamp bulb

T12b 12-pin connector, black

T12c 12-pin connector, brown

T14d 14-pin connector, behind the left rear bumper, black

T14e 14-pin connector, behind the bumper, left front, black

X3 Rear fog lamp

369 Ground connection 4 (in main wiring harness)

388 Ground connection 23 (in main wiring harness)

456 Ground connection 1 (in front bumper wiring harness)

470 Ground connection 1 (in rear bumper wiring harness)

671 Ground connection 1 on left front longitudinal member

B469 Connection 5 (in main wiring harness)

C65 Side marker lamp positive connection 1

W35 Side marker lamp connection (in rear wiring harness)

ws = white

sw = black

ro = red

rt = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

vi = lilac

ge = yellow

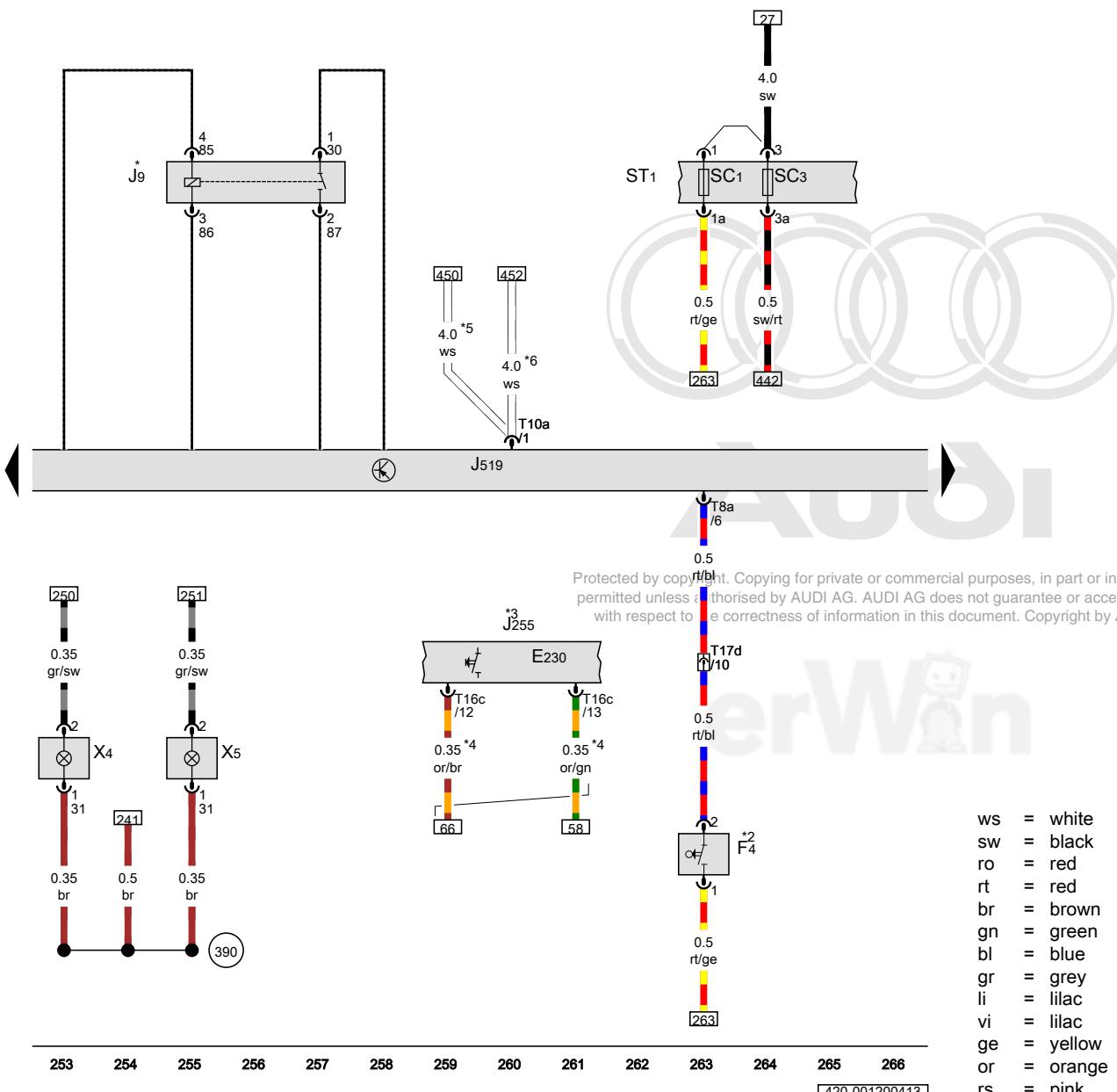
or = orange

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Back-up lamp switch, Rear window defogger relay, Vehicle electrical system control module, Left license plate lamp, Right license plate lamp



- E230 Rear window defogger button
F4 Back-up lamp switch
J9 Rear window defogger relay
J255 Climatronic control module
J519 Vehicle electrical system control module
SC1 Fuse 1 (on fuse panel C)
ST1 Fuse panel 1
SC3 Fuse 3 (on fuse panel C)
T8a 8-pin connector, black
T10a 10-pin connector, black
T16c 16-pin connector
T17d 17-pin connector, Connector station under the rear shelf, right, brown
T52a 52-pin connector
X4 Left license plate lamp
X5 Right license plate lamp

390 Ground connection 25 (in main wiring harness)

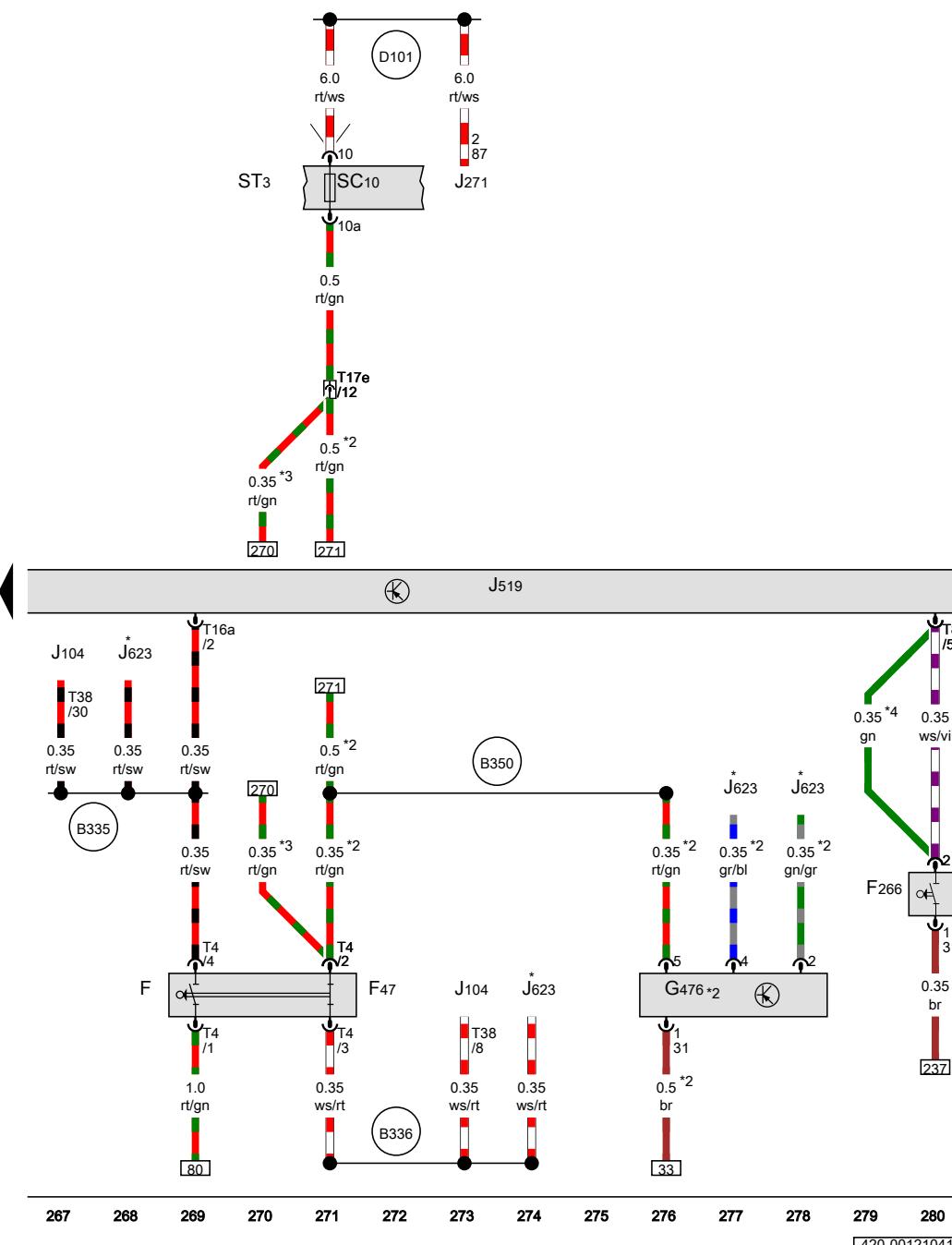
* Relay carrier on the vehicle electrical system control module in the right front footwell

*2 Only for vehicles with a manual transmission

*3 Rear window defogger activation via CAN bus
*4 Data bus wire (CAN bus)

*5 Through May 2008
*6 from June 2008

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Brake lamp switch, Brake pedal switch, Engine hood contact switch, Clutch position sensor, Vehicle electrical system control module

- F Brake lamp switch
- F47 Brake pedal switch
- F266 Engine hood contact switch
- G476 Clutch position sensor
- J104 ABS control module
- J271 Motronic engine control module power supply relay, 9-pin relay and fuse panel C under the rear shelf, right
- J519 Vehicle electrical system control module
- J623 Engine control module
- ST3 Fuse panel 3
- SC10 Fuse 10 (on fuse panel C)
- T4 4-pin connector
- T8a 8-pin connector, black
- T16a 16-pin connector, black
- T17e 17-pin connector, Connector station under the rear shelf, right, red
- T38 38-pin connector, gray
- B335 Connection 54 (in main wiring harness) 1

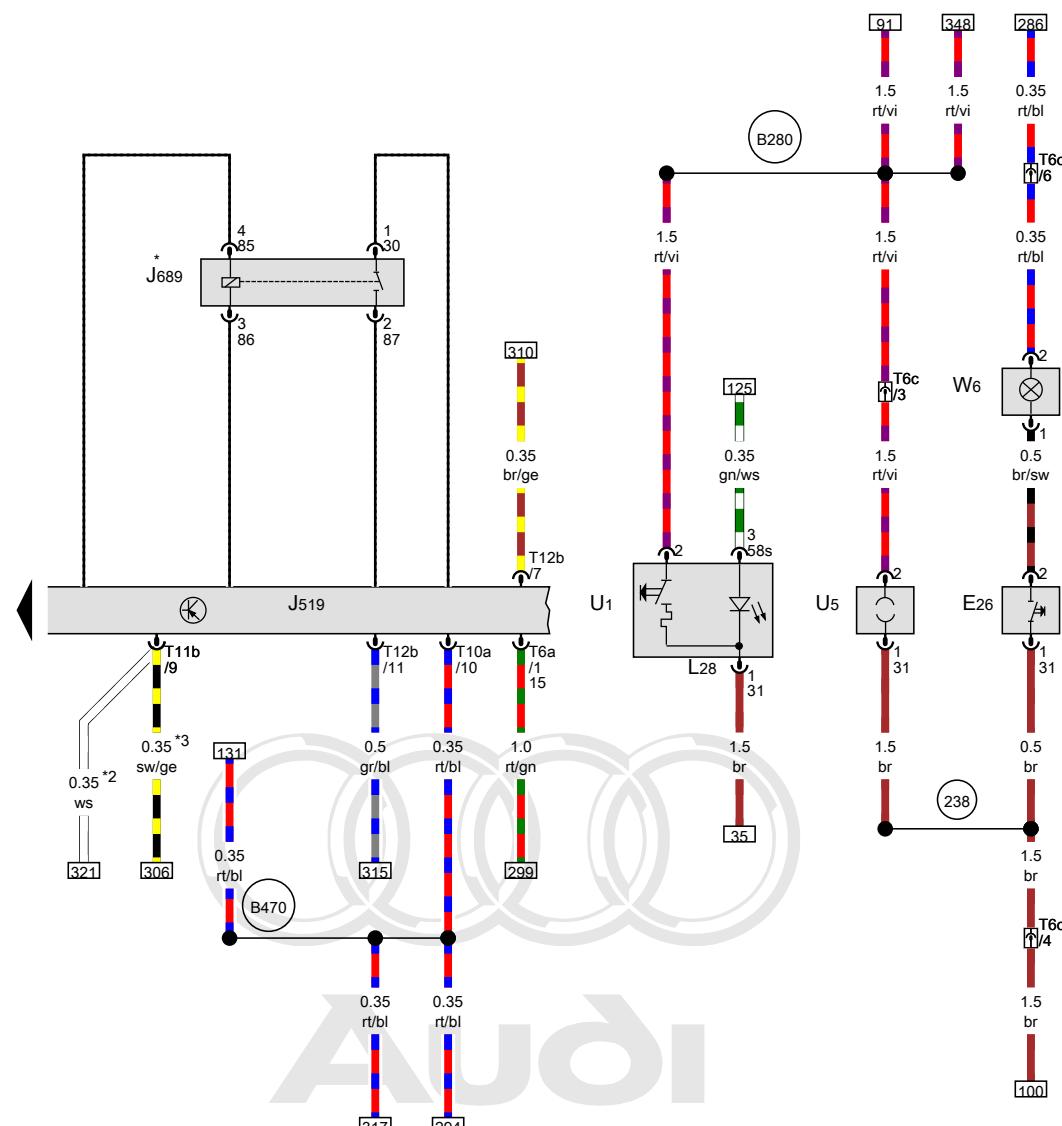
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- B350 Positive connection 1 (87a) (in main wiring harness)

- D101 Connection 1 (in engine compartment wiring harness)

- * Refer to applicable engine wiring diagram
- *2 Only for vehicles with a manual transmission
- *3 Only for vehicles with automated manual transmission (R tronic) 086
- *4 from June 2007
- *5 Through May 2007

| | |
|----|----------|
| 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 |

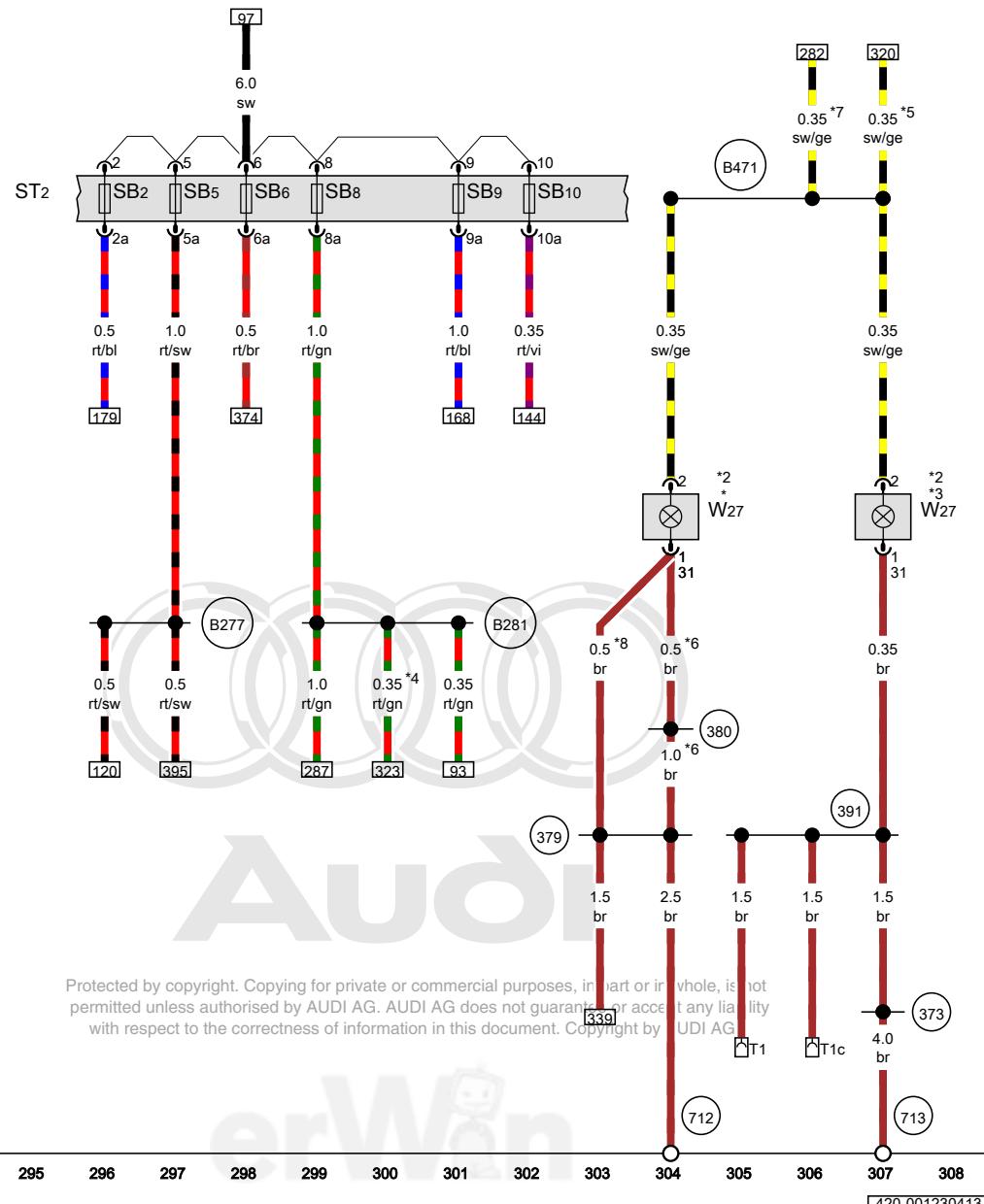


Glove compartment lamp switch, Vehicle electrical system control module, Terminal 30 power supply relay 2, Cigarette lighter, 12 V socket, Glove compartment lamp

- E26 Glove compartment lamp switch
 - J519 Vehicle electrical system control module
 - J689 Terminal 30 power supply relay 2
 - L28 Cigarette lighter illumination bulb
 - T6a 6-pin connector, black
 - T6c 6-pin connector, behind the glove compartment, black
 - T10a 10-pin connector, black
 - T11b 11-pin connector, brown
 - T12b 12-pin connector, black
 - T52a 52-pin connector
 - U1 Cigarette lighter
 - U5 12 V socket
 - W6 Glove compartment lamp
 - (238) Ground connection 1 (in interior wiring harness)
 - (B280) Positive connection 4 (15a) (in main wiring harness)
 - (B470) Connection 6 (in main wiring harness)
- * Relay carrier on the vehicle electrical system control module in the right front footwell
 *2 Depending on equipment
 *3 Through May 2008

| | |
|----|----------|
| ws | = white |
| 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 |

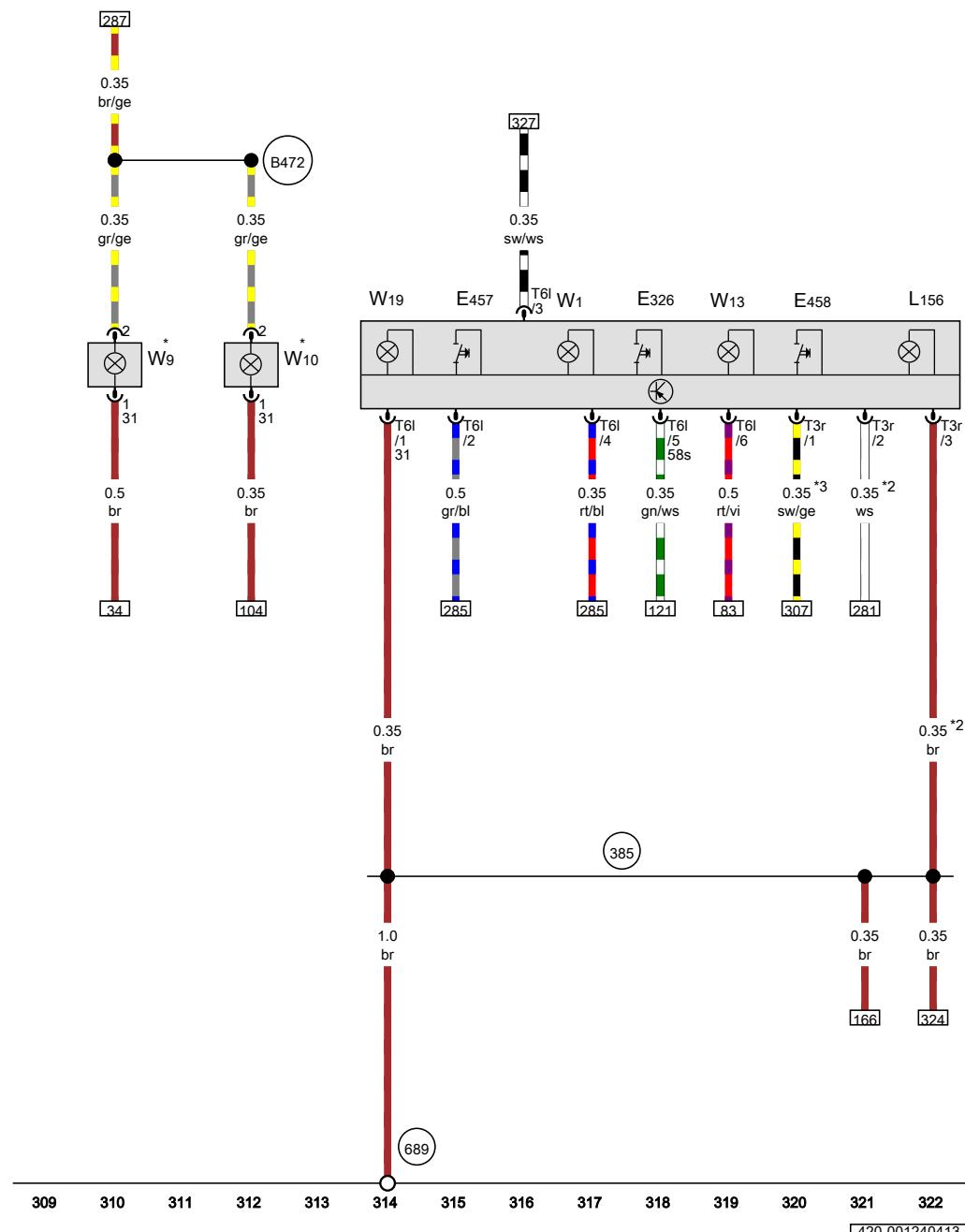
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Engine compartment lamp

- SB2 Fuse 2 (on fuse panel B)
 - ST2 Fuse panel 2
 - SB5 Fuse 5 (on fuse panel B)
 - SB6 Fuse 6 (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)
 - T1 Single connector, on the fuel tank filler neck
 - T1c Single connector, on the right fuel tank
 - W27 Engine compartment lamp
 - (373) Ground connection 8 (in main wiring harness)
 - (379) Ground connection 14 (in main wiring harness)
 - (380) Ground connection 15 (in main wiring harness)
 - (391) Ground connection 26 (in main wiring harness)
 - (712) Ground connection under rear shelf, left
 - (713) Ground connection under rear shelf, right
 - (B277) Positive connection 1 (15a) (in main wiring harness)
 - (B281) Positive connection 5 (15a) (in main wiring harness)
 - (B471) Connection 7 (in main wiring harness)
- * Left
 *2 Only for vehicles with engine compartment lamp
 *3 Right
 *4 Only for vehicles with automatic dimming interior rearview mirror
 from June 2008
 *5 Through May 2007
 *6 Through May 2008
 *7 from June 2007

| | |
|----|----------|
| 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 interior lamp, Left footwell lamp, Right footwell lamp

E326 Front interior lamp button

E457 Driver reading lamp button

E458 Front passenger reading lamp button

L156 Switch illumination bulb

T3r 3-pin connector, blue

T6l 6-pin connector, black

W1 Front interior lamp

W9 Left footwell lamp

W10 Right footwell lamp

W13 Front passenger reading lamp

W19 Driver reading lamp

385 Ground connection 20 (in main wiring harness)

689 Ground connection on roof, center front

B472 Connection 8 (in main wiring harness)

* Only for vehicles with footwell lamp

*2 Depending on equipment

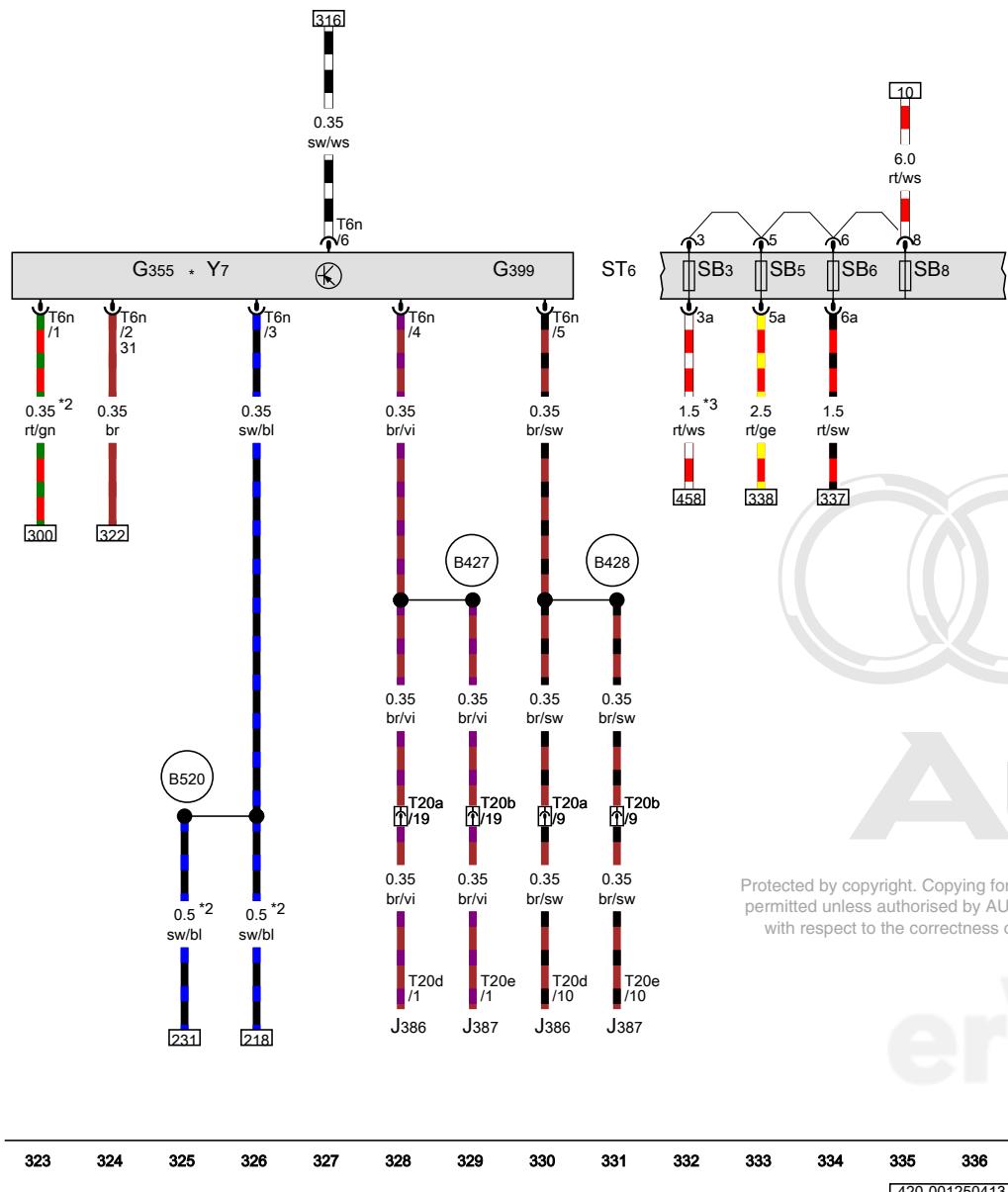
*3 from June 2008



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





Humidity sensor, Light recognition sensor, Automatic dimming interior rearview mirror

- | | |
|------|--|
| G355 | Humidity sensor |
| G399 | Light recognition sensor |
| J386 | Driver door control module |
| J387 | Front passenger door control module |
| SB3 | Fuse 3 (on fuse panel B) |
| SB5 | Fuse 5 (on fuse panel B) |
| ST6 | Fuse panel 6 |
| SB6 | Fuse 6 (on fuse panel B) |
| SB8 | Fuse 8 (on fuse panel B) |
| T6n | 6-pin connector, black |
| T20a | 20-pin connector, in the left front door, black |
| T20b | 20-pin connector, in the right front door, black |
| T20d | 20-pin connector, black |
| T20e | 20-pin connector, black |
| 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) |
| B520 | Connection RF (in main wiring harness) |

* Only for vehicles with a humidity sensor

*2 Only for vehicles with automatic dimming interior rearview mirror from June 2008

*3

- Only for vehicles with a humidity sensor
- Only for vehicles with automatic dimming interior rearview mirror from June 2008

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- 16 -

= red

= brown

= green

= blue

= grey

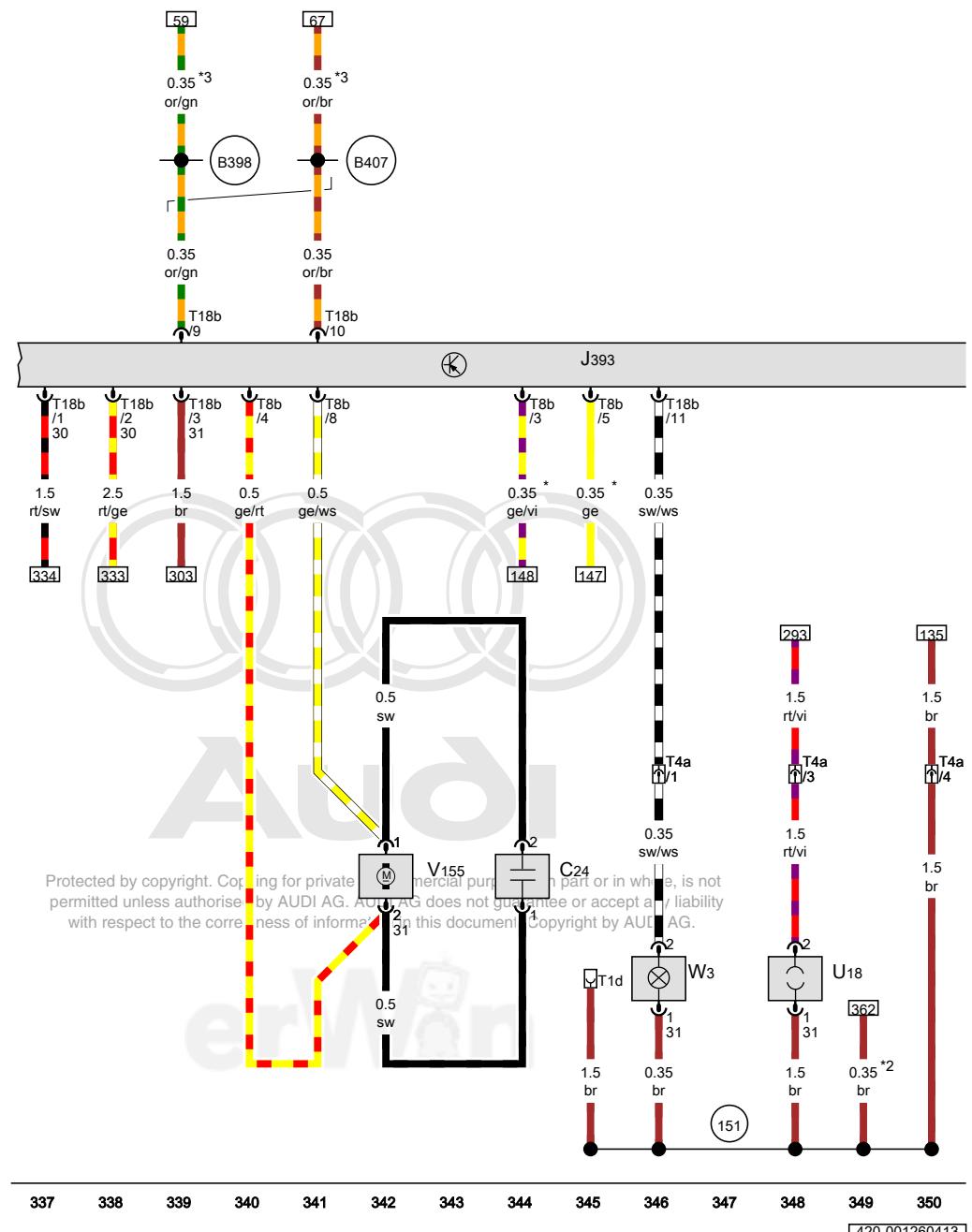
= lilac

= lilac

= blue
= yellow

- yellow
- orange

= orange
= pink



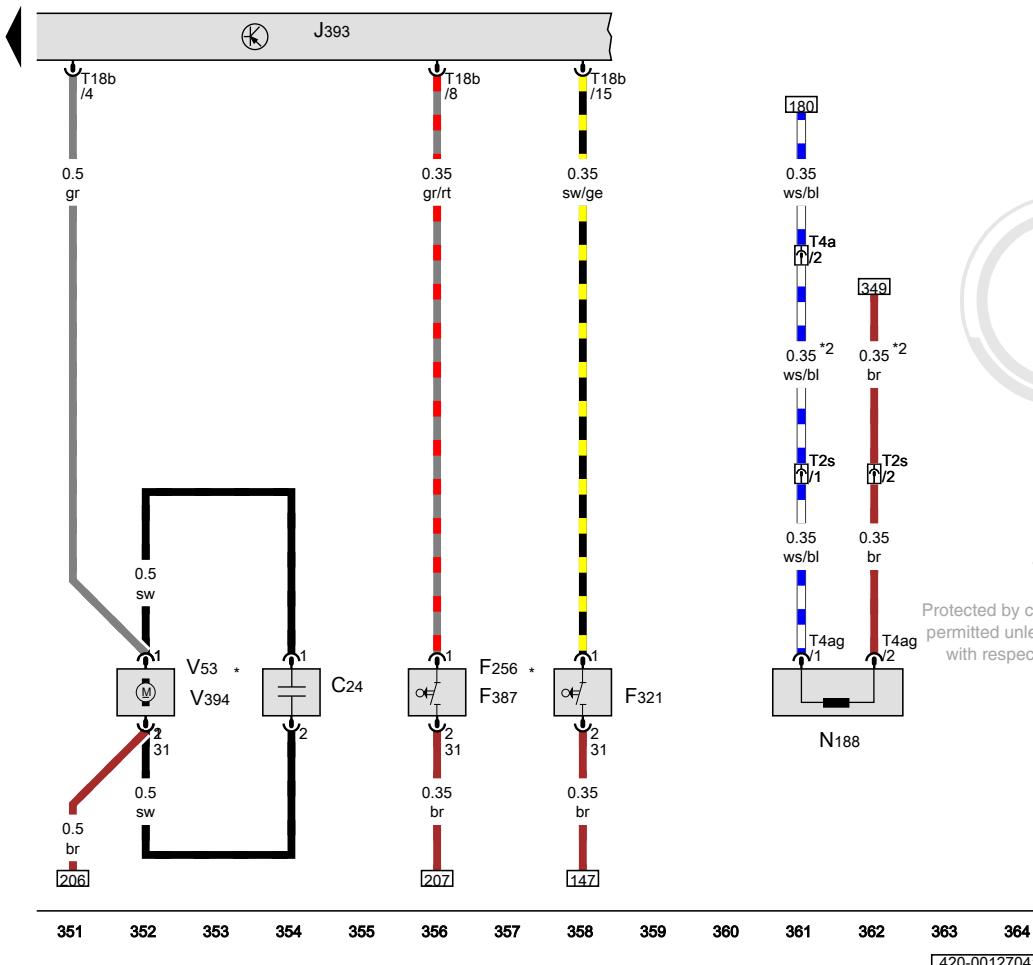
Comfort system central control module, 12 V socket 2, Fuel filler door unlock motor, Luggage compartment lamp

- C24 Suppressor
 - J393 Comfort system central control module
 - T1d Single connector, in the luggage compartment, black
 - T4a 4-pin connector, in the luggage compartment, right, black
 - T8b 8-pin connector, black
 - T18b 18-pin connector, brown
 - U18 12 V socket 2
 - V155 Fuel filler door unlock motor
 - W3 Luggage compartment lamp
 - 151 Ground connection 1 (in front 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)
- * Only for vehicles with an adjustable rear spoiler
 *² USA only
 *³ Data bus wire (CAN bus)

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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 |

Rear lid lock unit, Parking brake contact switch, Hood contact switch, Comfort system central control module, Luggage compartment release solenoid, Rear lid central locking system motor, Hood release motor

- C24 Suppressor
 - F256 Rear lid lock unit
 - F321 Parking brake contact switch
 - F387 Hood contact switch
 - J393 Comfort system central control module
 - N188 Luggage compartment release solenoid
 - T2s Double connector, black
 - T4a 4-pin connector, in the luggage compartment, right, black
 - T4ag 4-pin connector, black
 - T18b 18-pin connector, brown
 - V53 Rear lid central locking system motor
 - V394 Hood release motor
 - * Designation in Guided Fault Finding
 - *2 USA only



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| sw | = black |
| ro | = red |
| t | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| i | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| s | = pink |

Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
 J533 Data bus on board diagnostic interface
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T17b 17-pin connector, Inside the center console connector station on the right side, brown
 T17c 17-pin connector, Inside the center console connector station on the right side, blue
 T20 20-pin connector
 T32 32-pin connector, blue

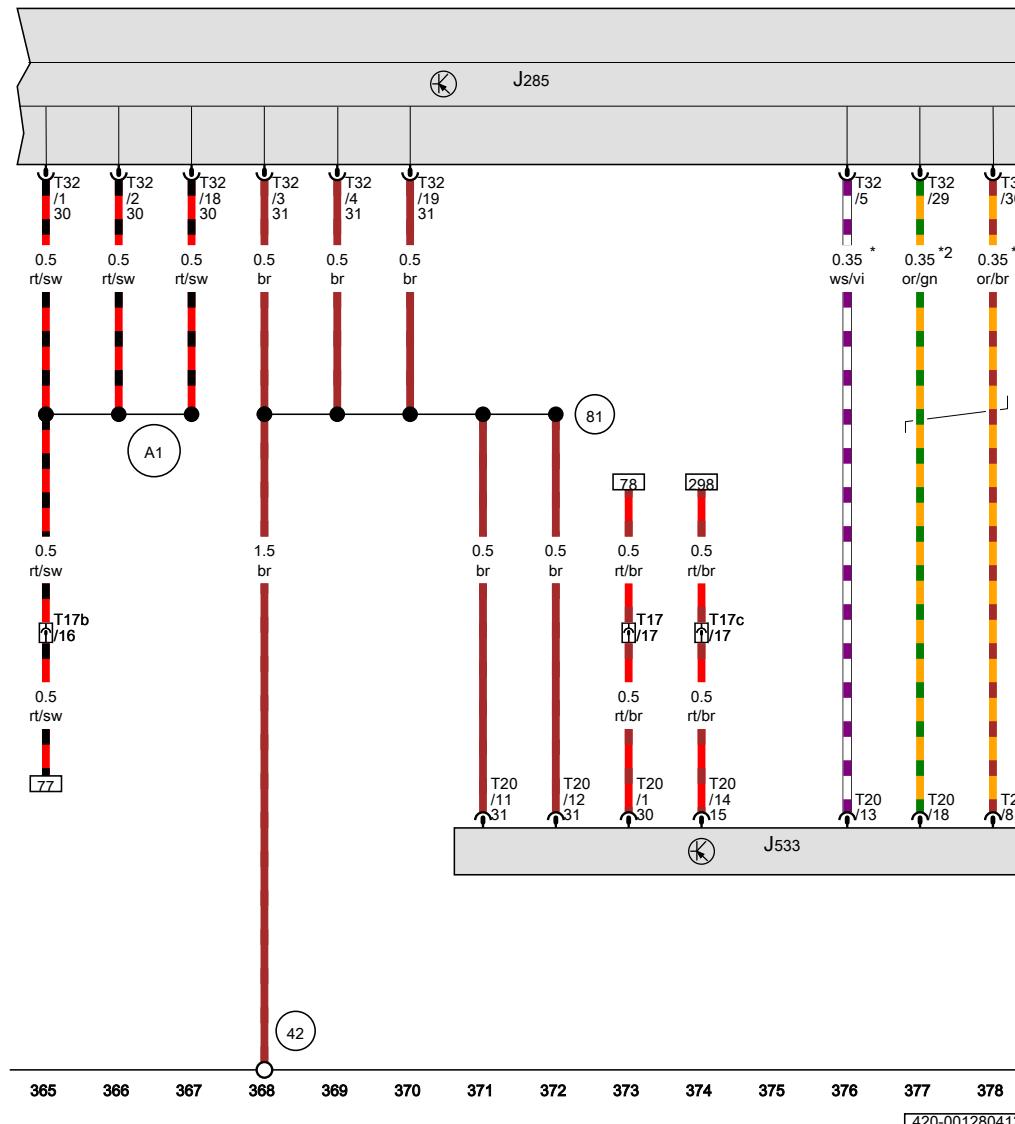
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42 Ground connection near steering column
 81 Ground connection 1 (in instrument panel wiring harness)

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

* Prompt wire

*2 Data bus wire (CAN bus)



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| ws | = white |
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| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
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| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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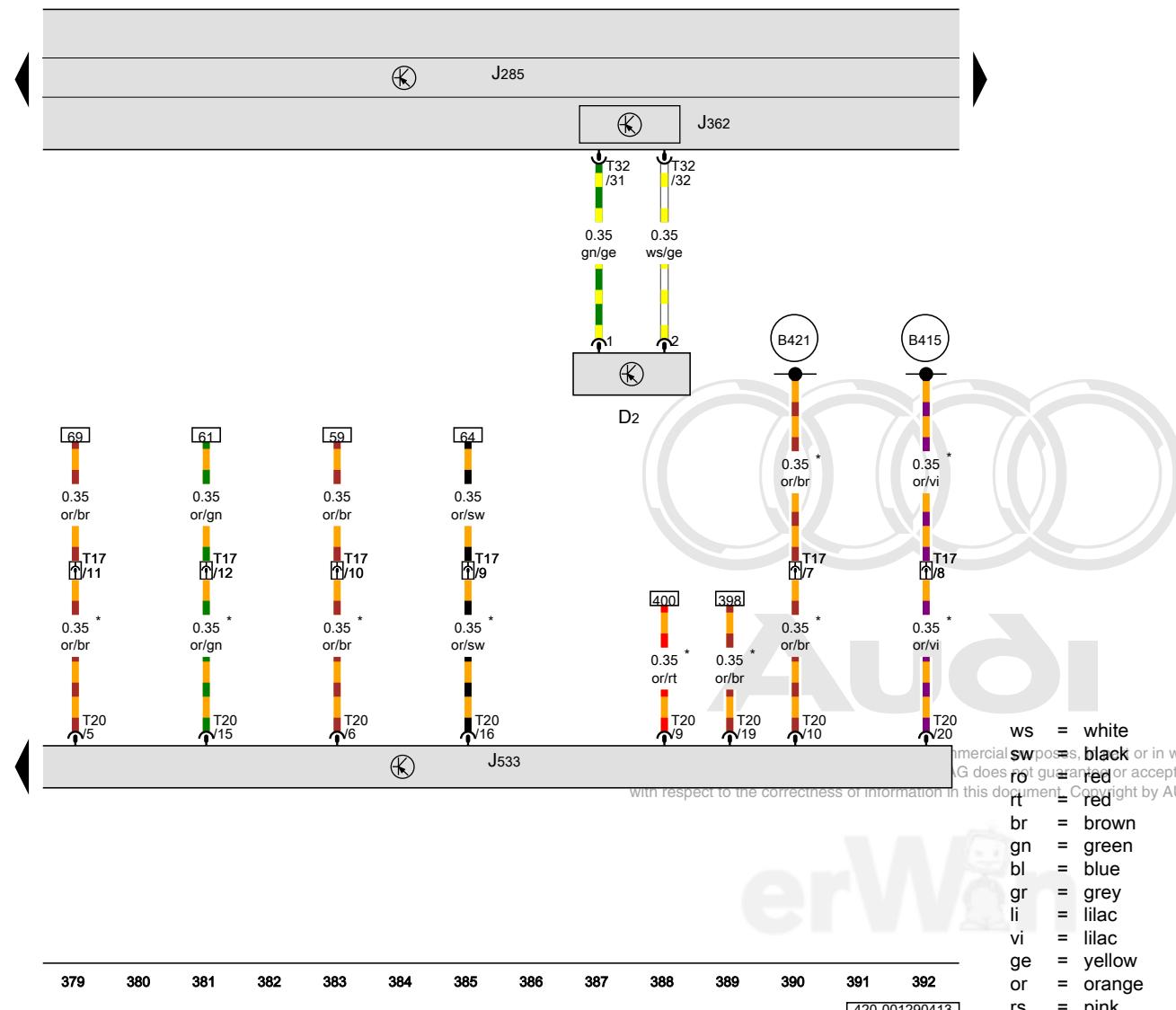
Anti-theft immobilizer reader coil, Instrument cluster control module, Data bus on board diagnostic interface

D2 Anti-theft immobilizer reader coil
 J285 Instrument cluster control module
 J362 Anti-theft immobilizer control module
 J533 Data bus on board diagnostic interface
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T20 20-pin connector
 T32 32-pin connector, blue

(B415) Infotainment CAN Bus high connection 1 (in main wiring harness)

(B421) Infotainment CAN bus low connection 1 (in main wiring harness)

* Data bus wire (CAN bus)





Instrument cluster control module, Radio frequency controlled clock receiver

J217 Transmission control module
 J285 Instrument cluster control module
 J489 Radio frequency controlled clock receiver
 T16a 16-pin connector, under the instrument panel, left
 T17 17-pin connector, Inside the center console connector station on the right side, red

T17a 17-pin connector, Inside the center console connector station on the right side, black

T17b 17-pin connector, Inside the center console connector station on the right side, brown

T17c 17-pin connector, Inside the center console connector station on the right side, blue

T17e 17-pin connector, Connector station under the rear shelf, right, red

T32 32-pin connector, blue

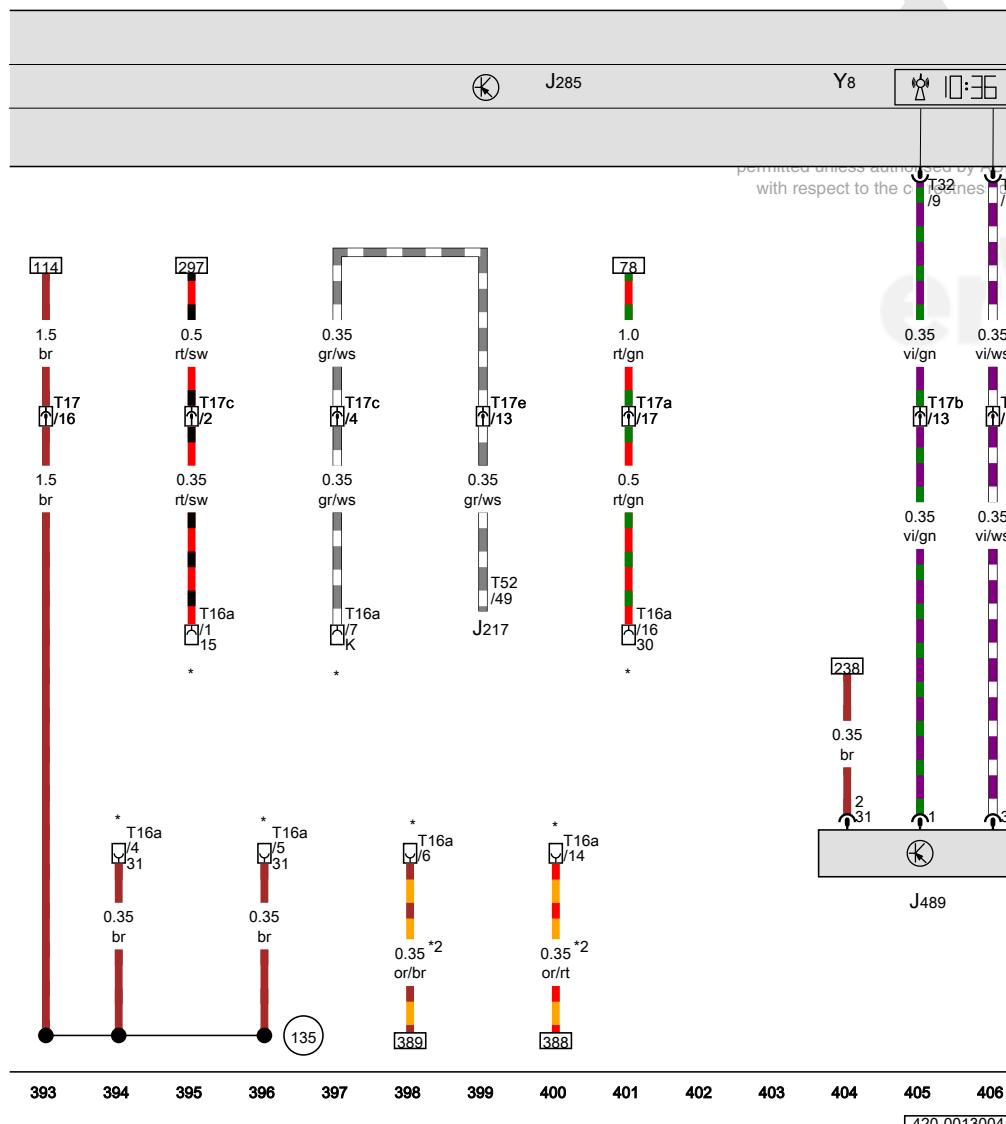
T52 52-pin connector, black

Y8 Radio frequency controlled clock

135 Ground connection 2 (in instrument panel wiring harness)

* Diagnostic connector

*2 Data bus wire (CAN bus)



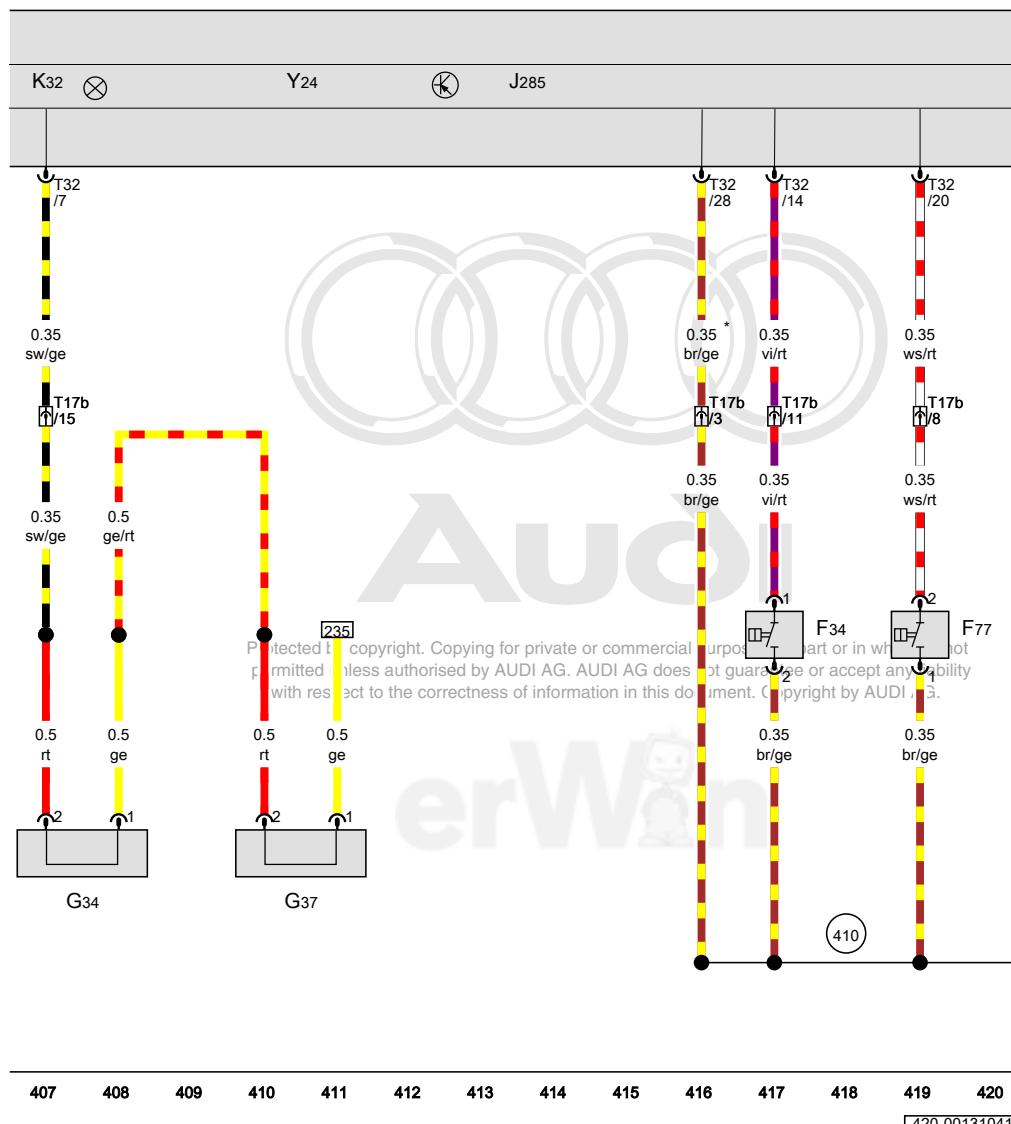
| | |
|----|----------|
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| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Brake fluid level warning switch, Windshield washer fluid level warning switch, Left front brake pad wear sensor, Instrument cluster control module, Brake pad wear indicator lamp

F34 Brake fluid level warning switch
F77 Windshield washer fluid level warning switch
G34 Left front brake pad wear sensor
G37 Right rear brake pad wear sensor
J285 Instrument cluster control module
K32 Brake pad wear indicator lamp
T17b 17-pin connector, Inside the center console connector station on the right side, brown
T32 32-pin connector, blue
Y24 Display unit in instrument cluster

410 Sensor ground connection 1 (in main wiring harness)

* Sensor ground output

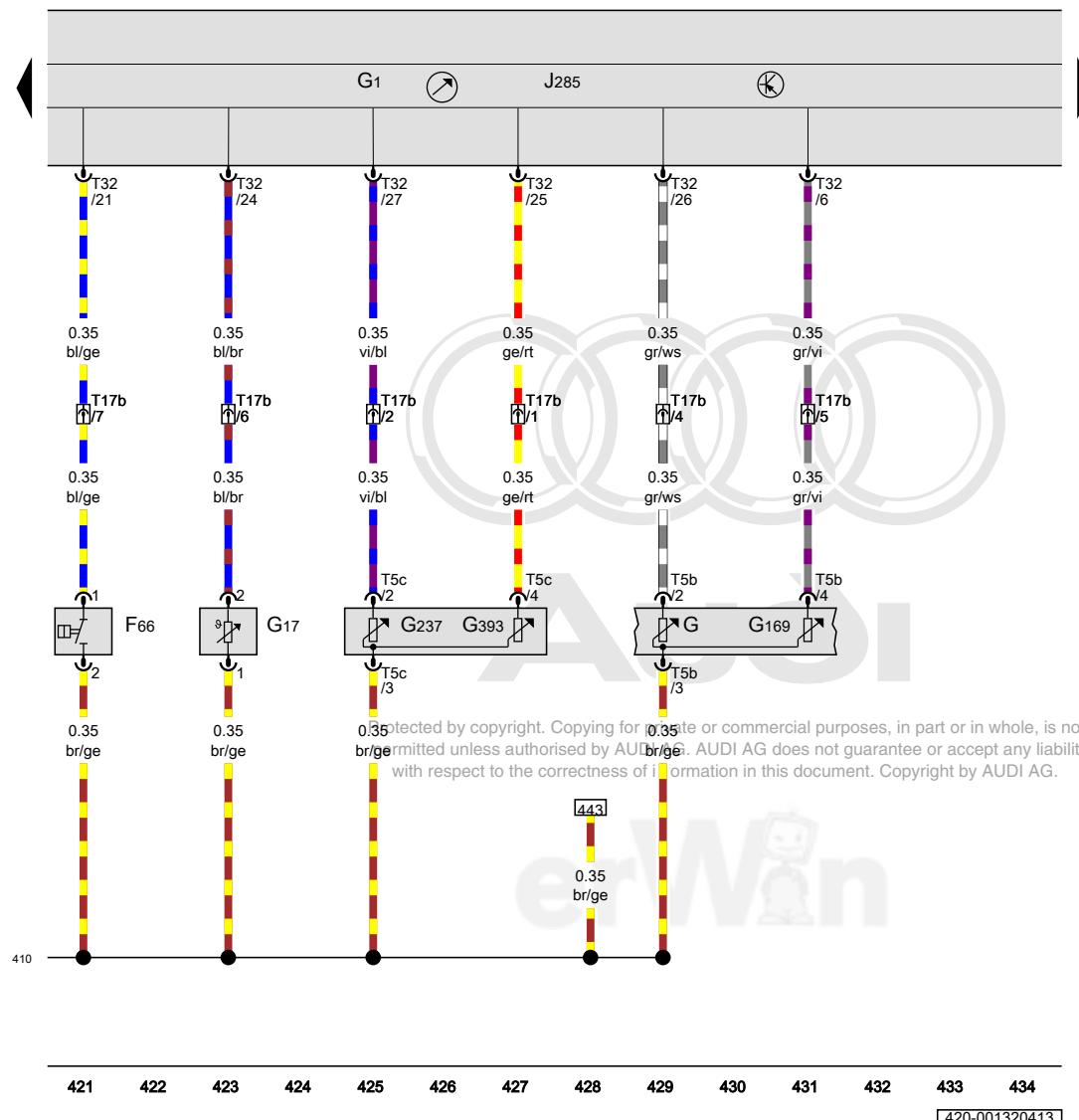


| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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

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Engine coolant level warning switch, Fuel level sensor, Fuel gauge, Outside air temperature sensor, Instrument cluster control module

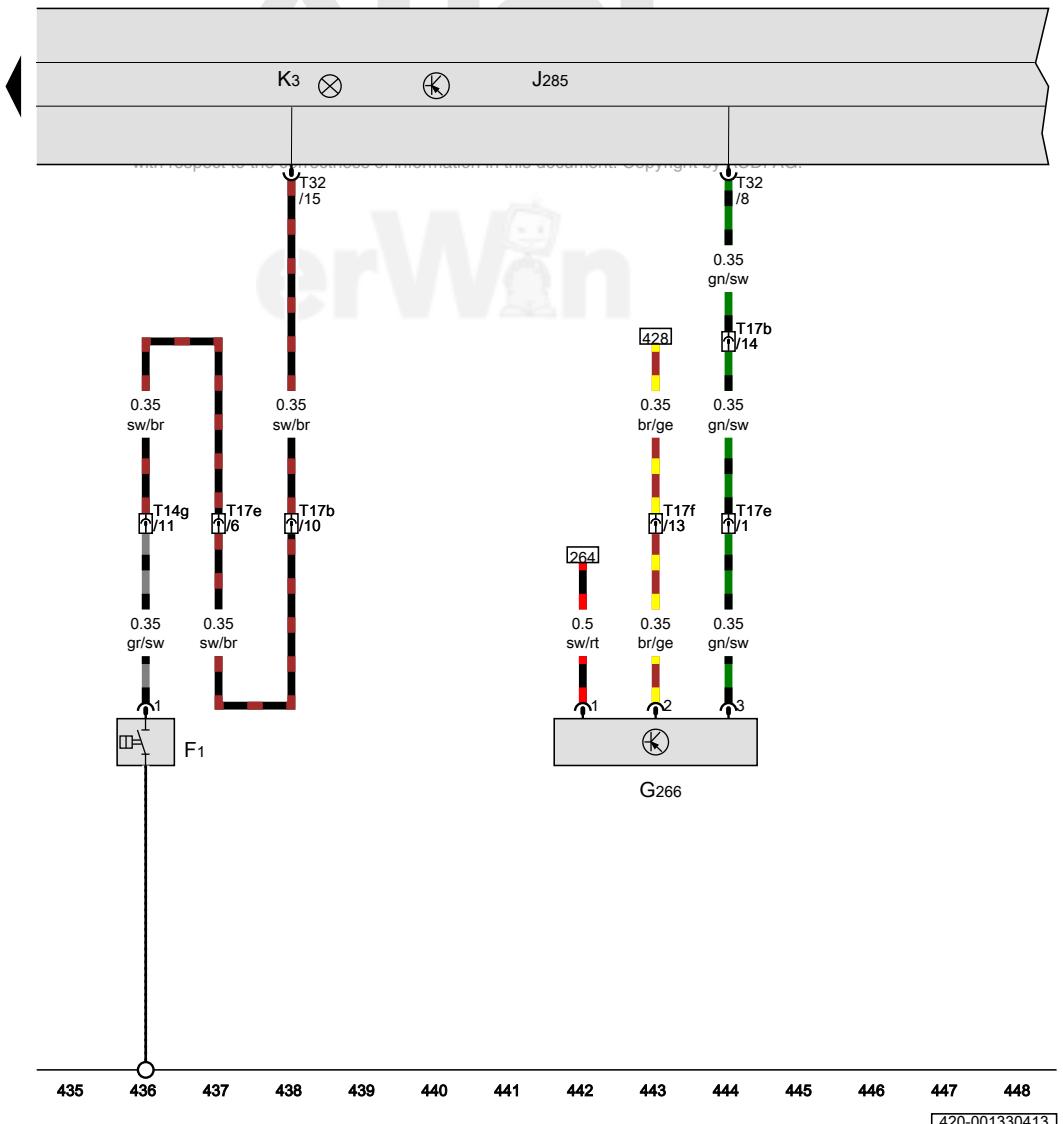


- F66 Engine coolant level warning switch
 G Fuel level sensor
 G1 Fuel gauge
 G17 Outside air temperature sensor
 G169 Fuel level sensor 2
 G237 Fuel level sensor 3
 G393 Fuel level sensor 4
 J285 Instrument cluster control module
 T5b 5-pin connector, black
 T5c 5-pin connector, black
 T17b 17-pin connector, Inside the center console connector station on the right side, brown
 T32 32-pin connector, blue

410 Sensor ground connection 1 (in main 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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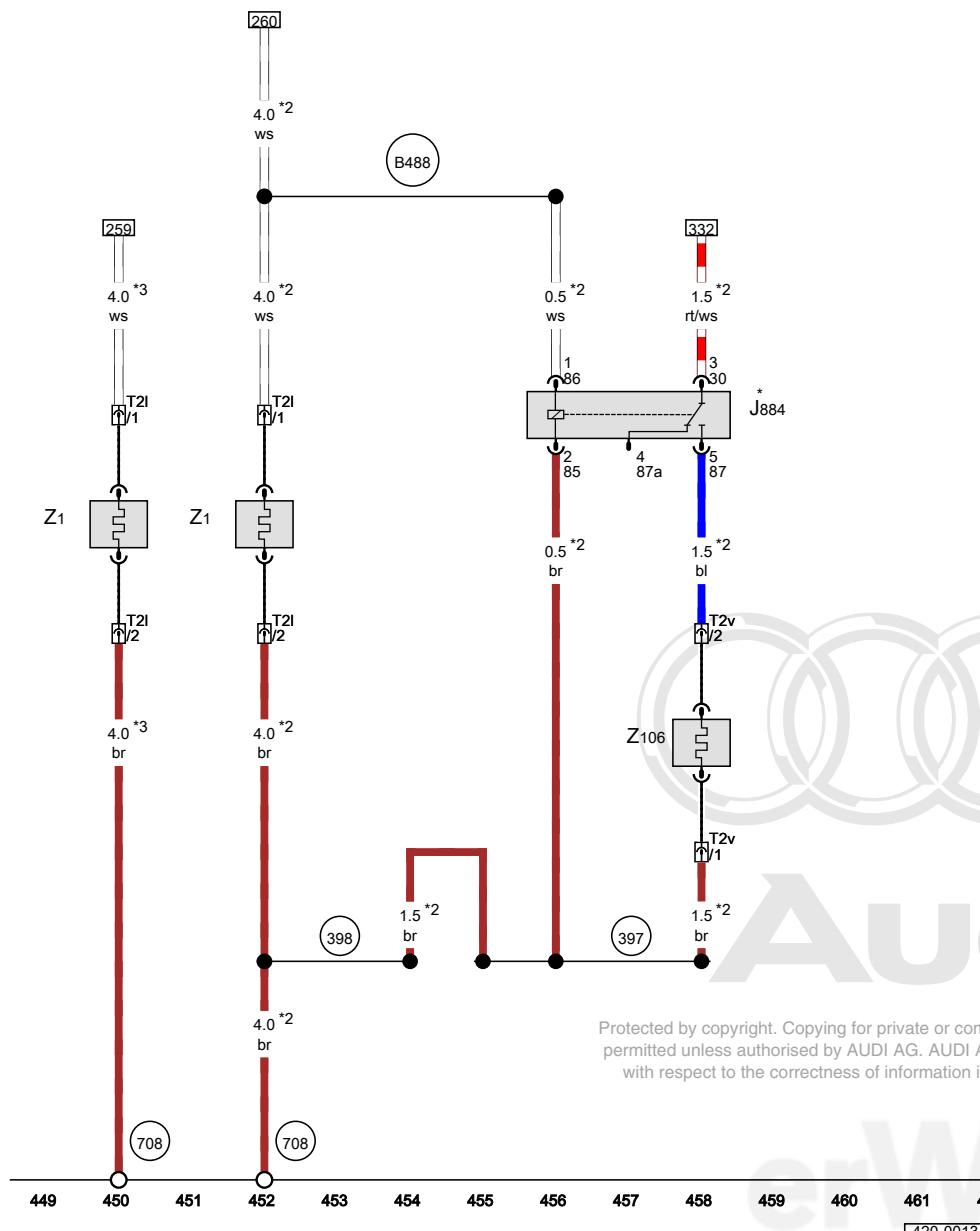


Oil pressure switch, Oil level thermal sensor, Instrument cluster control module

- F1 Oil pressure switch
- G266 Oil level thermal sensor
- J285 Instrument cluster control module
- K3 Oil pressure indicator lamp
- T14g 14-pin connector, in the engine compartment
- T17b 17-pin connector, Inside the center console connector station on the right side, brown
- T17e 17-pin connector, Connector station under the rear shelf, right, red
- T17f 17-pin connector, on the fuel tank filler neck
- T32 32-pin connector, blue

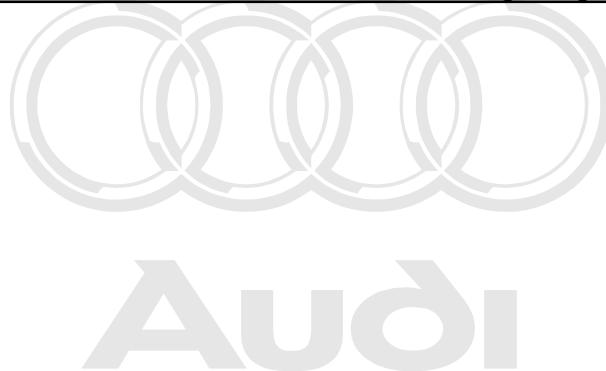
**Partition window defogger relay, Rear window defogger,
Partition window defogger**

- J884 Partition window defogger relay
 T2l Double connector, black
 T2v Double connector, black
 Z1 Rear window defogger
 Z106 Partition window defogger
 (397) Ground connection 32 (in main wiring harness)
 (398) Ground connection 33 (in main wiring harness)
 (708) Ground connection 2 on right rear chassis side member
 (B488) Connection 24 (in main wiring harness)
- * Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
 *² from June 2008
 *³ Through May 2008



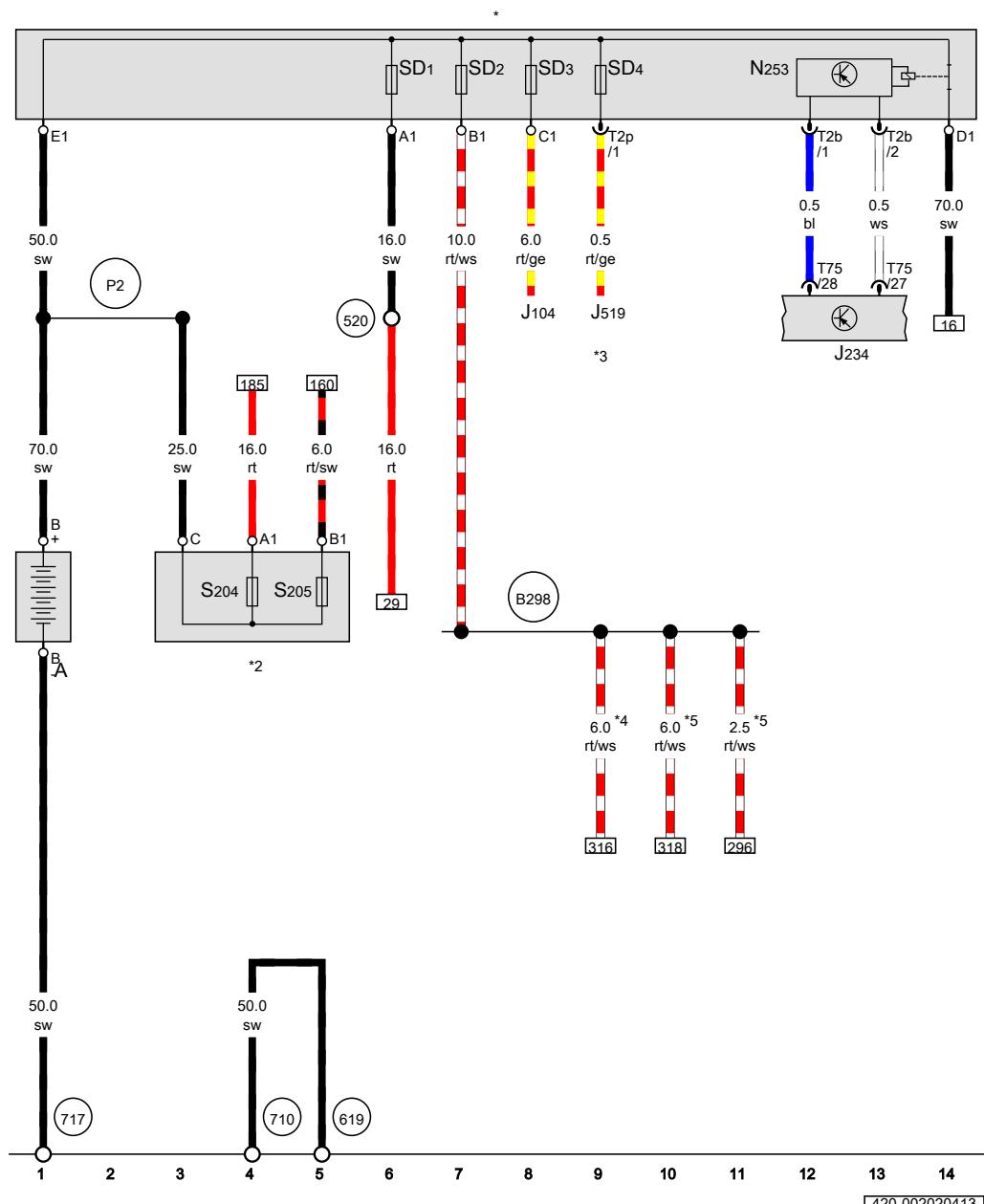
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4.2L gasoline engine , BYH
from May 2006



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Battery interrupt igniter


A Battery

J104 ABS control module

J234 Airbag control module

J519 Vehicle electrical system control module

N253 Battery interrupt igniter

SD1 Fuse 1 (on fuse panel D)

SD2 Fuse 2 (on fuse panel D)

SD3 Fuse 3 (on fuse panel D)

SD4 Fuse 4 (on fuse panel D)

S204 Fuse 1 (terminal 30)

S205 Fuse 2 (terminal 30)

T2b Double connector

T2p Double connector, black

T75 75-pin connector, yellow

520 Threaded connection on the coupling station, Connector station under the rear shelf, right

619 Ground connection on engine block, lower left

710 Ground connection 2 on left rear chassis side member

717 Ground connection on right front crossmember

B298 Positive connection 2 (30) (in main wiring harness)

P2 Positive connection (30) (in battery wiring harness)

* Main fuse box in the right front footwell

*2 Main distribution in the right front footwell

*3 Refer to applicable standard equipment wiring diagram from June 2009

*4 Through May 2009

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ws = white

sw = black

ro = red

rt = red

br = brown

gn = green

bl = blue

gr = grey

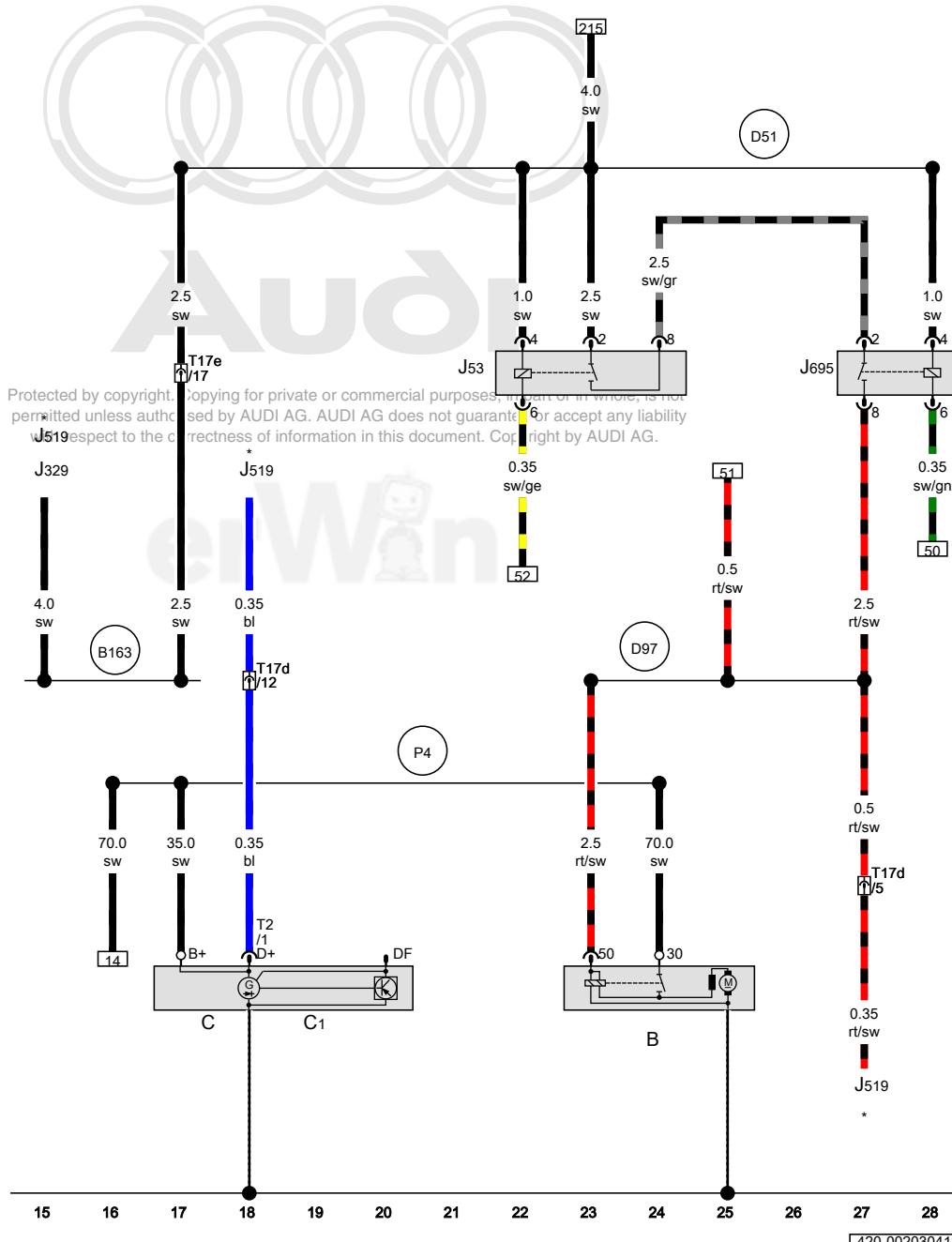
li = lilac

vi = lilac

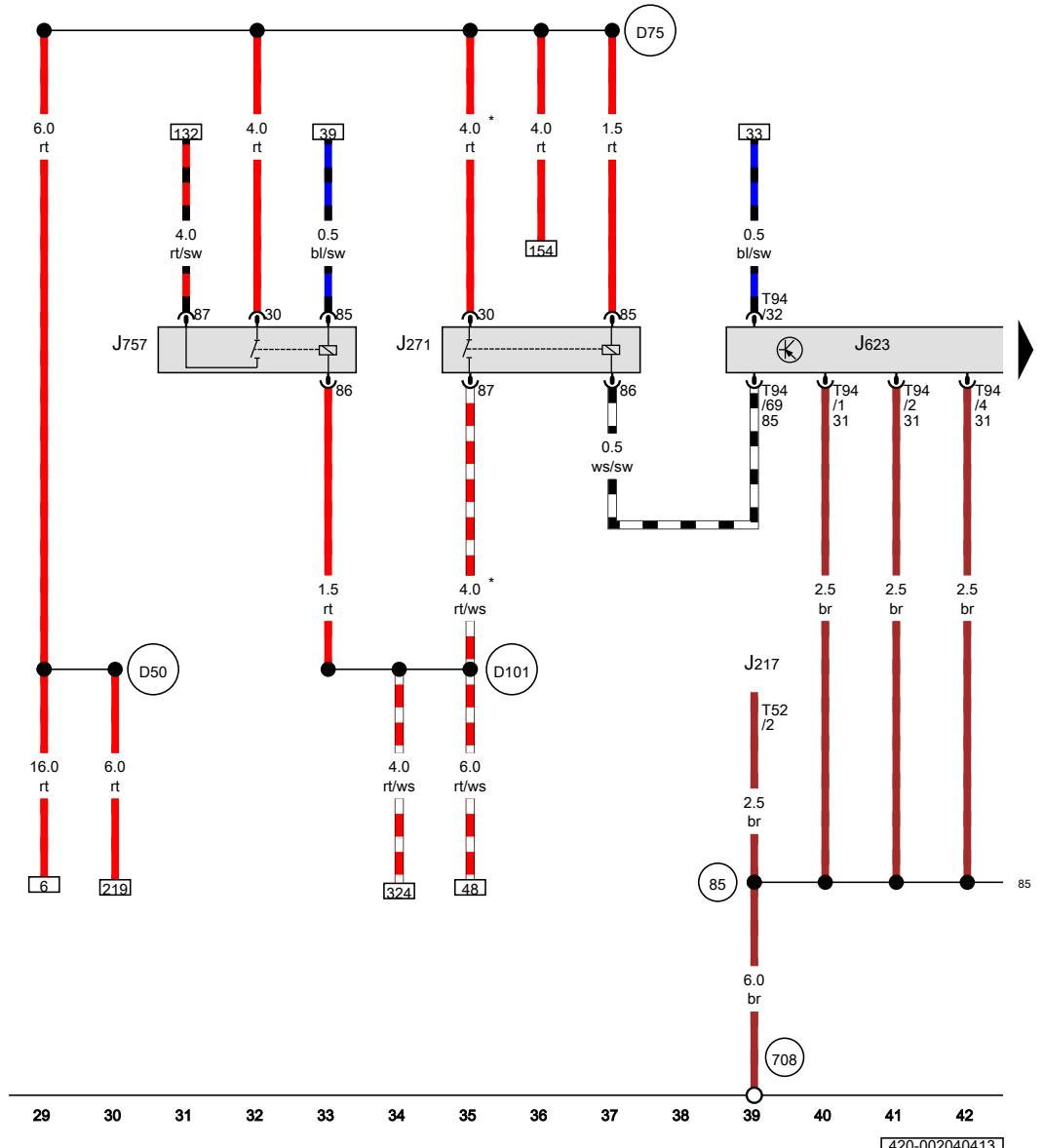
ge = yellow

or = orange

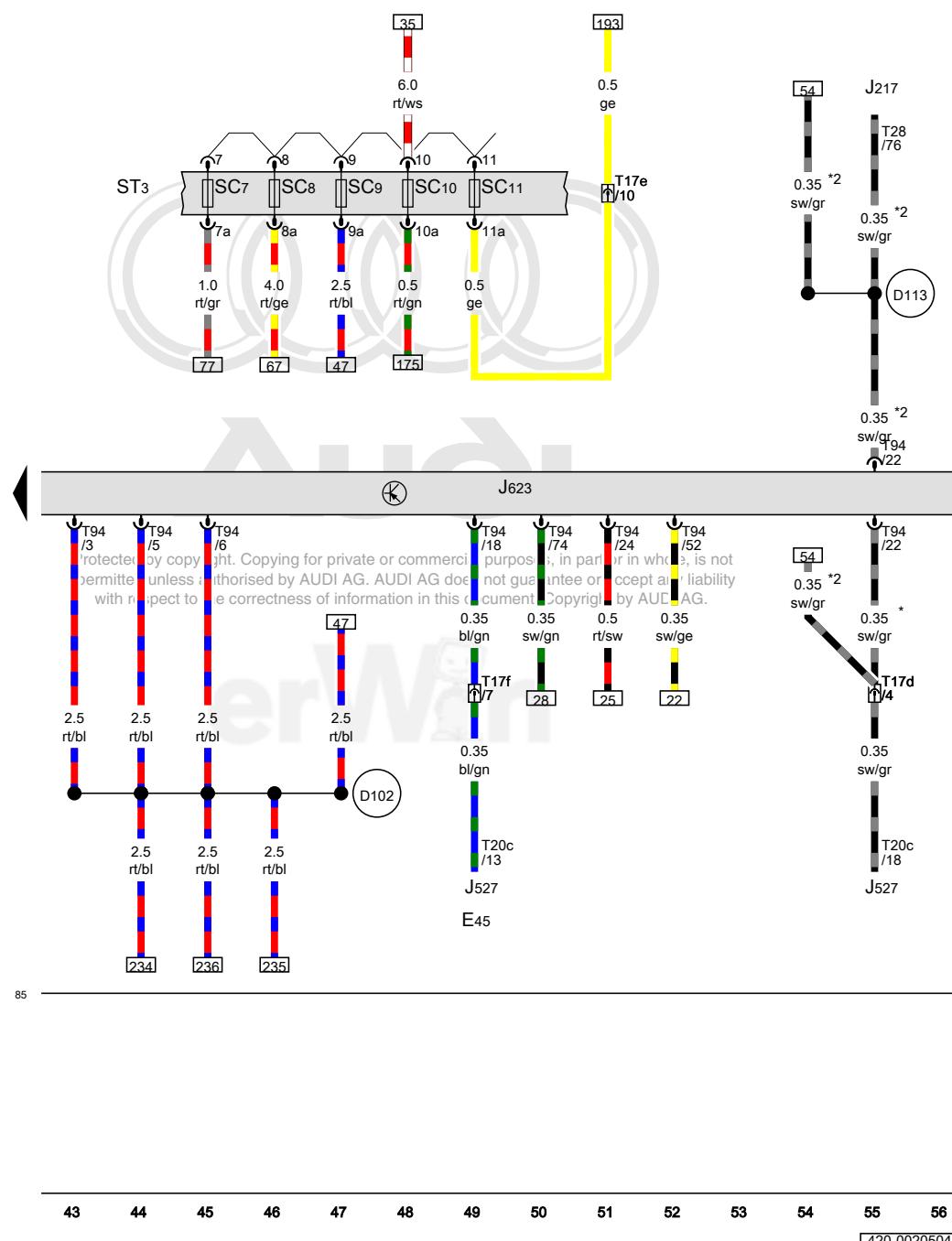
rs = pink


Starter, Generator, Starter relay, Relay 2 for starter

- B Starter
 - C Generator
 - C1 Voltage regulator
 - J53 Starter relay, 9-pin relay and fuse panel C under the rear shelf, right
 - J329 Terminal 15 power supply relay
 - J519 Vehicle electrical system control module
 - J695 Relay 2 for starter, 9-pin relay and fuse panel C under the rear shelf, right
 - T2 Double connector
 - T17d 17-pin connector, Connector station under the rear shelf, right, brown
 - T17e 17-pin connector, Connector station under the rear shelf, right, red
 - (B163) Positive connection 1 (15) (in interior wiring harness)
 - (D51) Positive connection 1 (15) (in engine compartment wiring harness)
 - (D97) Connection 50 (in right engine compartment wiring harness)
 - (P4) Positive connection 2 (30) (in battery wiring harness)
- * Refer to applicable standard equipment 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 |

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


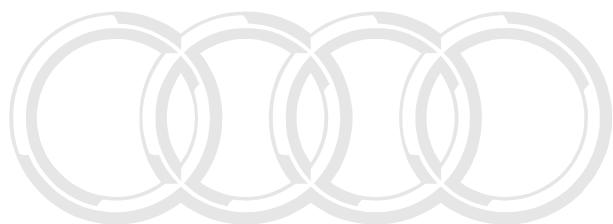
* 6.0 diameter possible
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Engine control module

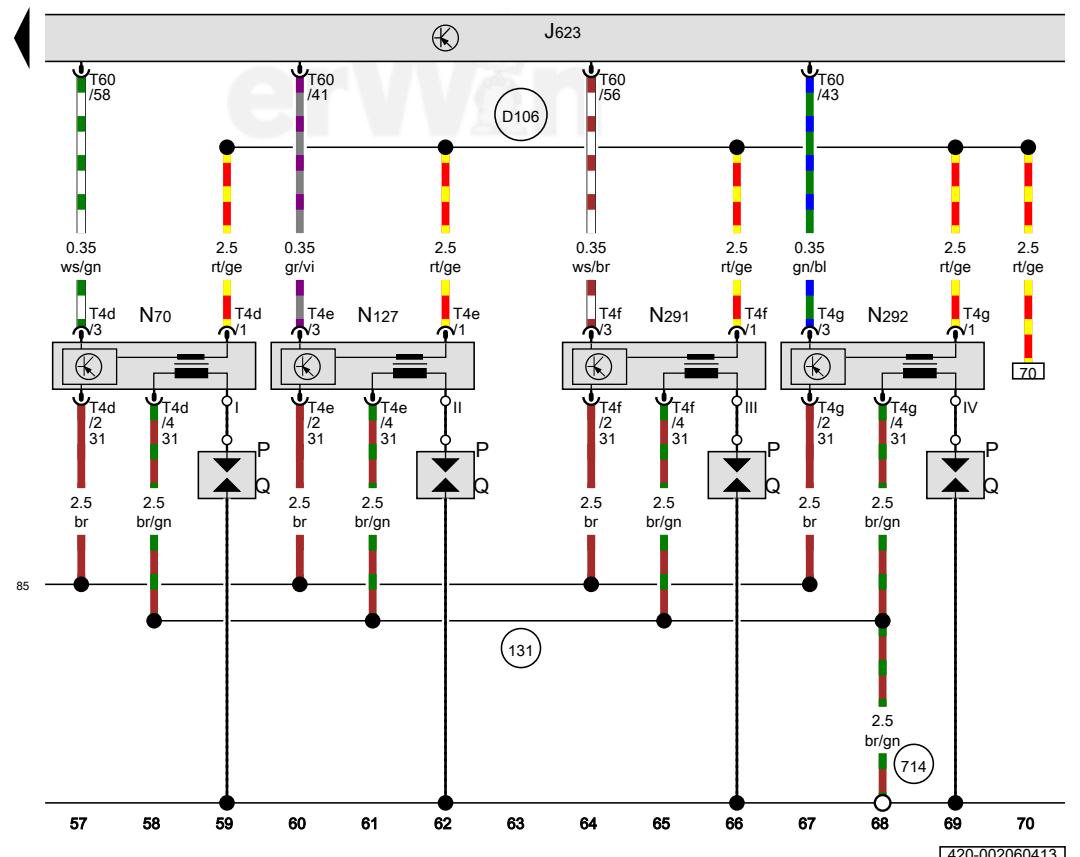
- E45 Cruise control switch
 - J217 Transmission control module
 - J527 Steering column electronics control module
 - J623 Engine control module
 - ST3 Fuse panel 3
 - SC7 Fuse 7 (on fuse panel C)
 - SC8 Fuse 8 (on fuse panel C)
 - SC9 Fuse 9 (on fuse panel C)
 - SC10 Fuse 10 (on fuse panel C)
 - SC11 Fuse 11 (on fuse panel C)
 - T17d 17-pin connector, Connector station under the rear shelf, right, brown
 - T17e 17-pin connector, Connector station under the rear shelf, right, red
 - T17f 17-pin connector, Connector station under the rear shelf, right, white
 - T20c 20-pin connector, black
 - T28 28-pin connector, black
 - T94 94-pin connector, black
 - 85 Ground connection 1 (in engine compartment wiring harness)
 - D102 Connection 2 (in engine compartment wiring harness)
 - D113 Connection 11 (in engine compartment wiring harness)
- * Only for vehicles with a manual transmission
 *² Only for vehicles with automated manual transmission (R tronic)
 086

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



Audi

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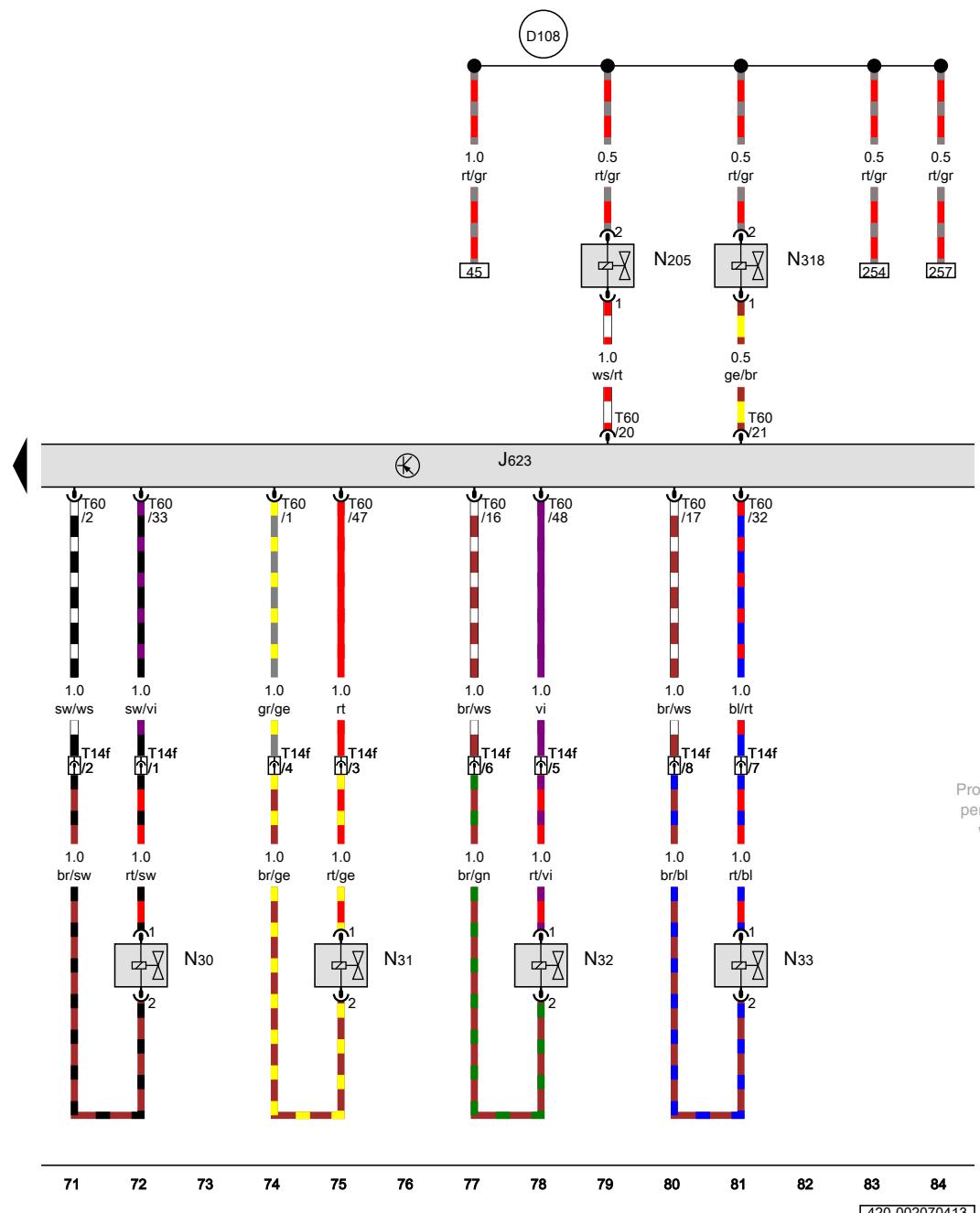


Engine control module, Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

- | | |
|------|--|
| 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 |
| T4d | 4-pin connector, black |
| T4e | 4-pin connector, black |
| T4f | 4-pin connector, black |
| T4g | 4-pin connector, black |
| T60 | 60-pin connector, black |
| 85 | Ground connection 1 (in engine compartment wiring harness) |
| 131 | Ground connection 2 (in engine compartment wiring harness) |
| 714 | Ground connection on engine, right |
| D103 | Connection 3 (in engine compartment wiring harness) |
| D106 | Connection 4 (in engine compartment wiring harness) |

Legend:

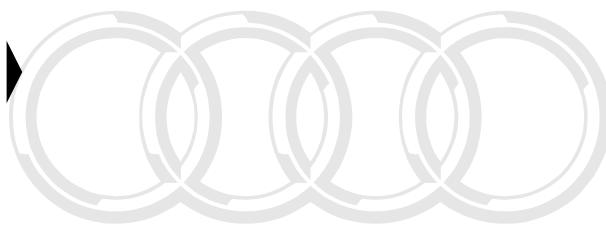
| | |
|----|----------|
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| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |



Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Camshaft adjustment valve 1, Exhaust camshaft adjustment valve 1

- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- N205 Camshaft adjustment valve 1
- N318 Exhaust camshaft adjustment valve 1
- T14f 14-pin connector, in the engine compartment, black
- T60 60-pin connector, black

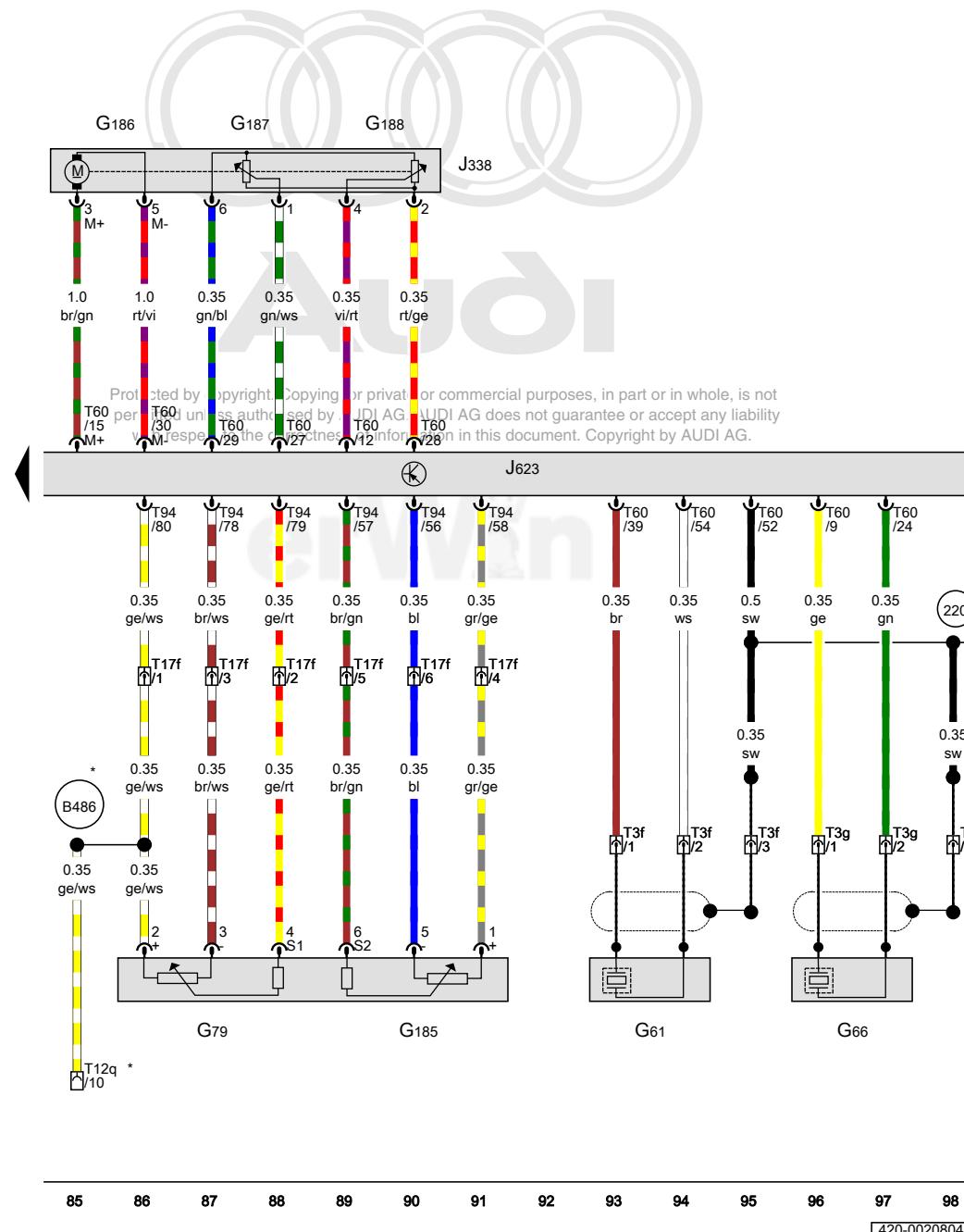
D108 Connection 6 (in engine compartment wiring harness)



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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



Accelerator pedal position sensor, Throttle valve control module, Engine control module

- G61 Knock sensor 1
 - G66 Knock sensor 2
 - G79 Accelerator pedal position sensor
 - G185 Accelerator pedal position sensor 2
 - G186 EPC throttle drive
 - G187 EPC throttle drive angle sensor 1
 - G188 EPC throttle drive angle sensor 2
 - J338 Throttle valve control module
 - J623 Engine control module
 - T3f 3-pin connector, black
 - T3g 3-pin connector, brown
 - T12q 12-pin connector, under the right front seat, brown
 - T17f 17-pin connector, Connector station under the rear shelf, right, white
 - T60 60-pin connector, black
 - T94 94-pin connector, black

220 Sensor ground connection (in engine wiring harness)

B486 Connection 22 (in main wiring harness)

* Only for vehicles with special functions interface

| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
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| li | = lilac |
| vi | = lilac |
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| rs | = pink |

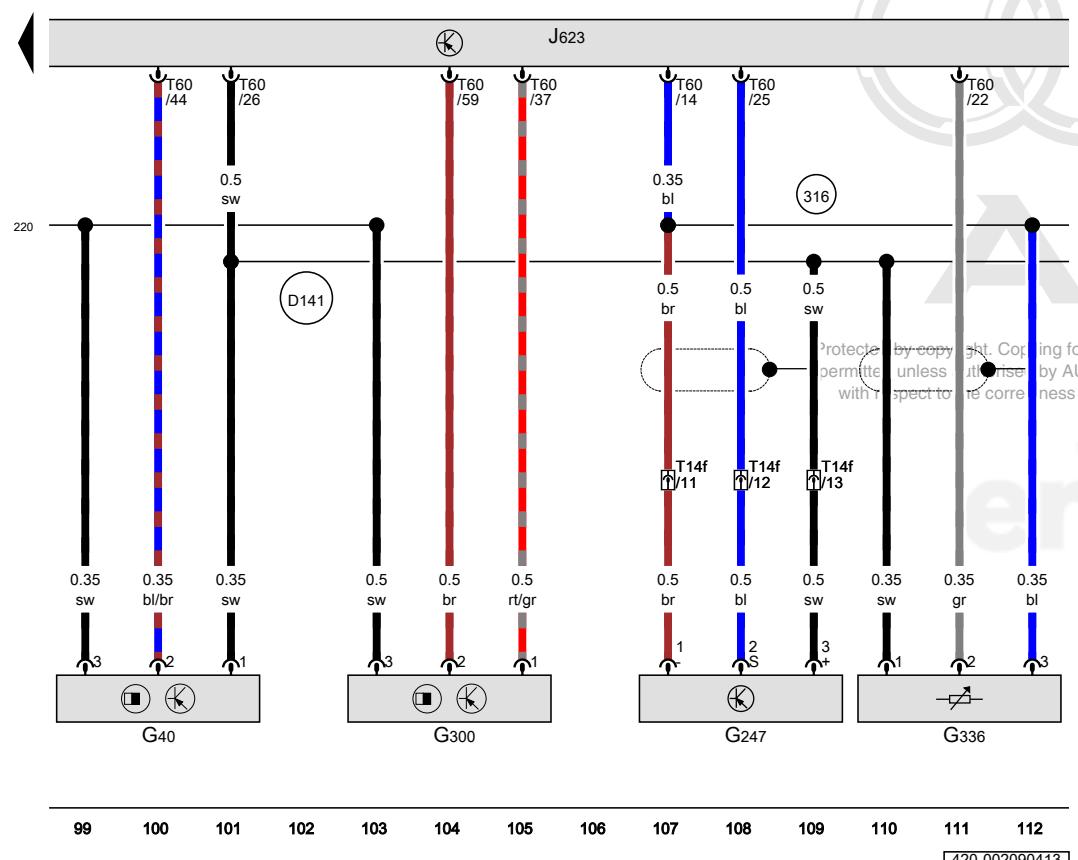
Camshaft position sensor, Fuel pressure sensor, Intake manifold runner position sensor, Engine control module

G40 Camshaft position sensor
G247 Fuel pressure sensor
G300 Camshaft position sensor 3
G336 Intake manifold runner position sensor
J623 Engine control module
T14f 14-pin connector, in the engine compartment, black
T60 60-pin connector, black

(220) Sensor ground connection (in engine wiring harness)

(316) Sensor ground connection 2 (in engine wiring harness)

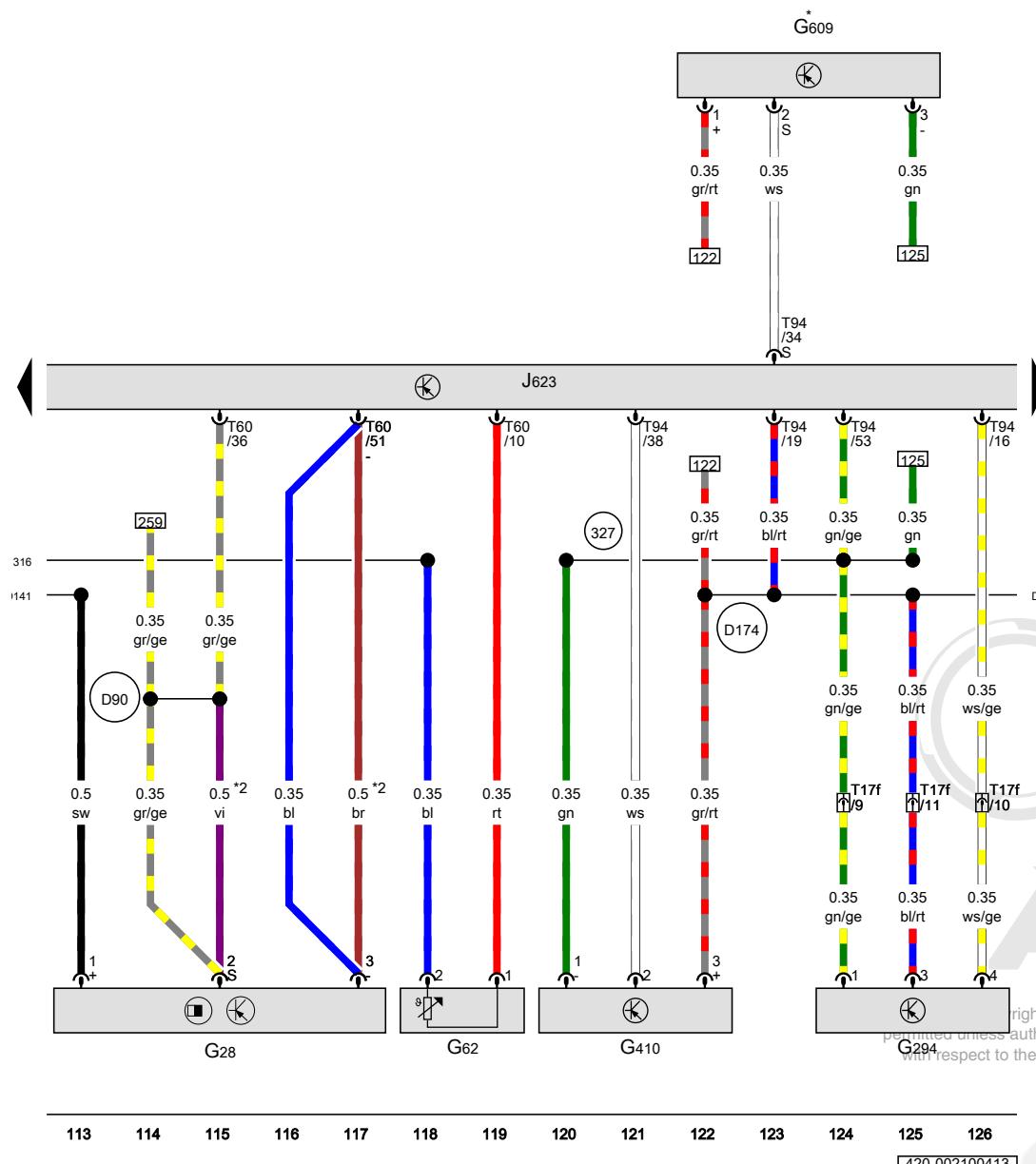
(D141) Connection 5V (in engine pre-wiring harness)



Legend for wire colors:
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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

F420-000200004131

Engine speed sensor, Engine coolant temperature sensor,
Brake booster pressure sensor, Low fuel pressure sensor,
Secondary air injection sensor 1, Engine control module



- G28 Engine speed sensor
G62 Engine coolant temperature sensor
G294 Brake booster pressure sensor
G410 Low fuel pressure sensor
G609 Secondary air injection sensor 1
J623 Engine control module
T17f 17-pin connector, Connector station under the rear shelf, right, white
T60 60-pin connector, black
T94 94-pin connector, black
- (316) Sensor ground connection 2 (in engine wiring harness)
(327) Sensor ground connection (in engine compartment wiring harness)
(D90) RPM signal connection (in engine compartment wiring harness)
(D141) Connection 5V (in engine pre-wiring harness)
(D174) Connection 5V (in engine pre-wiring harness) 2
- * USA only
*2 Running change

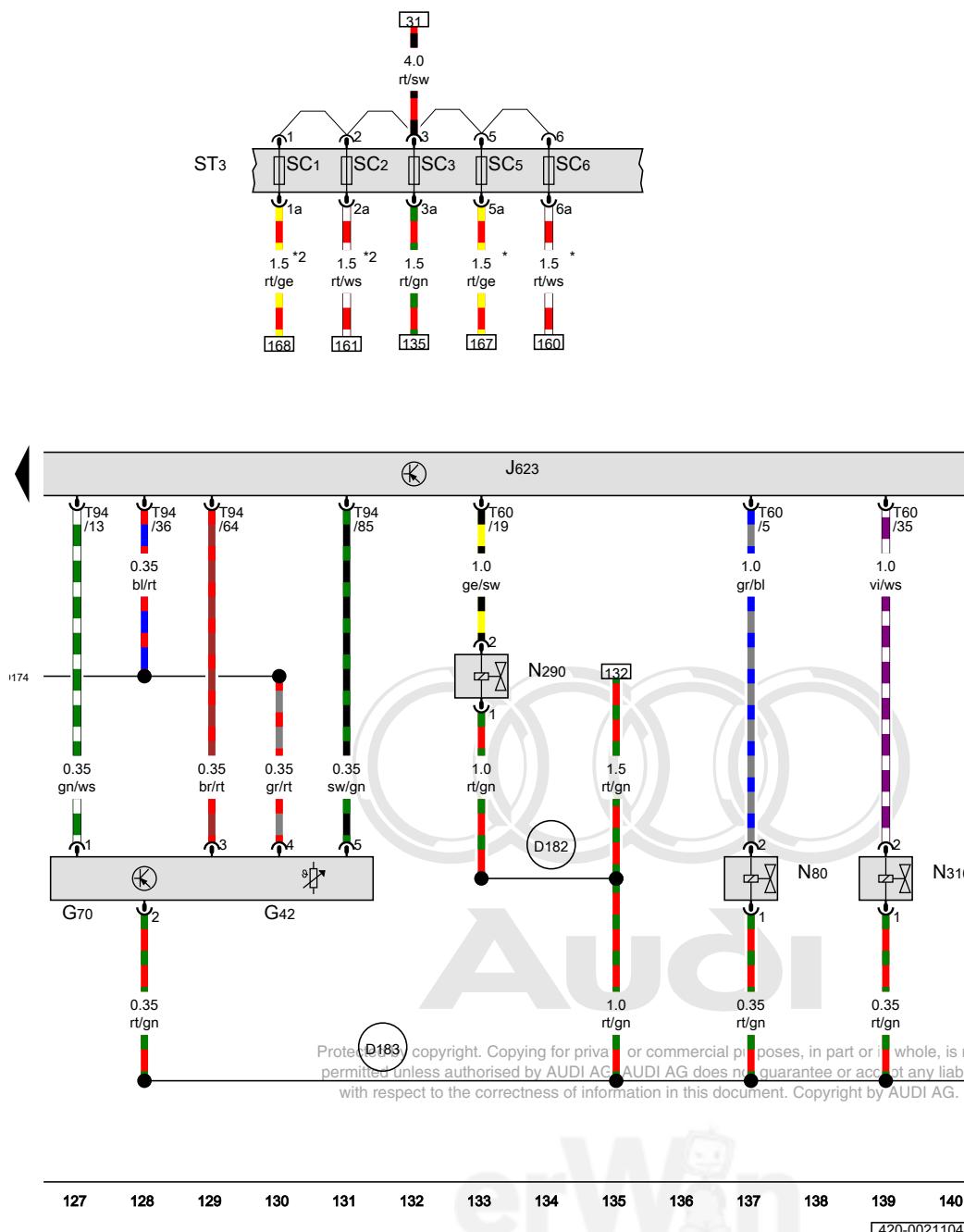
ws = white
sw = black
ro = red
rt = red
br = brown
gn = green

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gr = grey
li = lilac

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





Intake air temperature sensor, Mass airflow sensor, Engine control module, EVAP canister purge regulator valve 1, Fuel metering valve, Intake manifold runner control valve

- G42 Intake air temperature sensor
 - G70 Mass airflow sensor
 - J623 Engine control module
 - N80 EVAP canister purge regulator valve 1
 - N290 Fuel metering valve
 - N316 Intake manifold runner control valve
 - 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
 - SC5 Fuse 5 (on fuse panel C)
 - SC6 Fuse 6 (on fuse panel C)
 - T60 60-pin connector, black
 - T94 94-pin connector, black

- D174 Connection 5V (in engine pre-wiring harness) 2
 - D182 Connection 87a (in engine compartment wiring harness) 3
 - D183 Connection 87a (in engine compartment wiring harness) 4

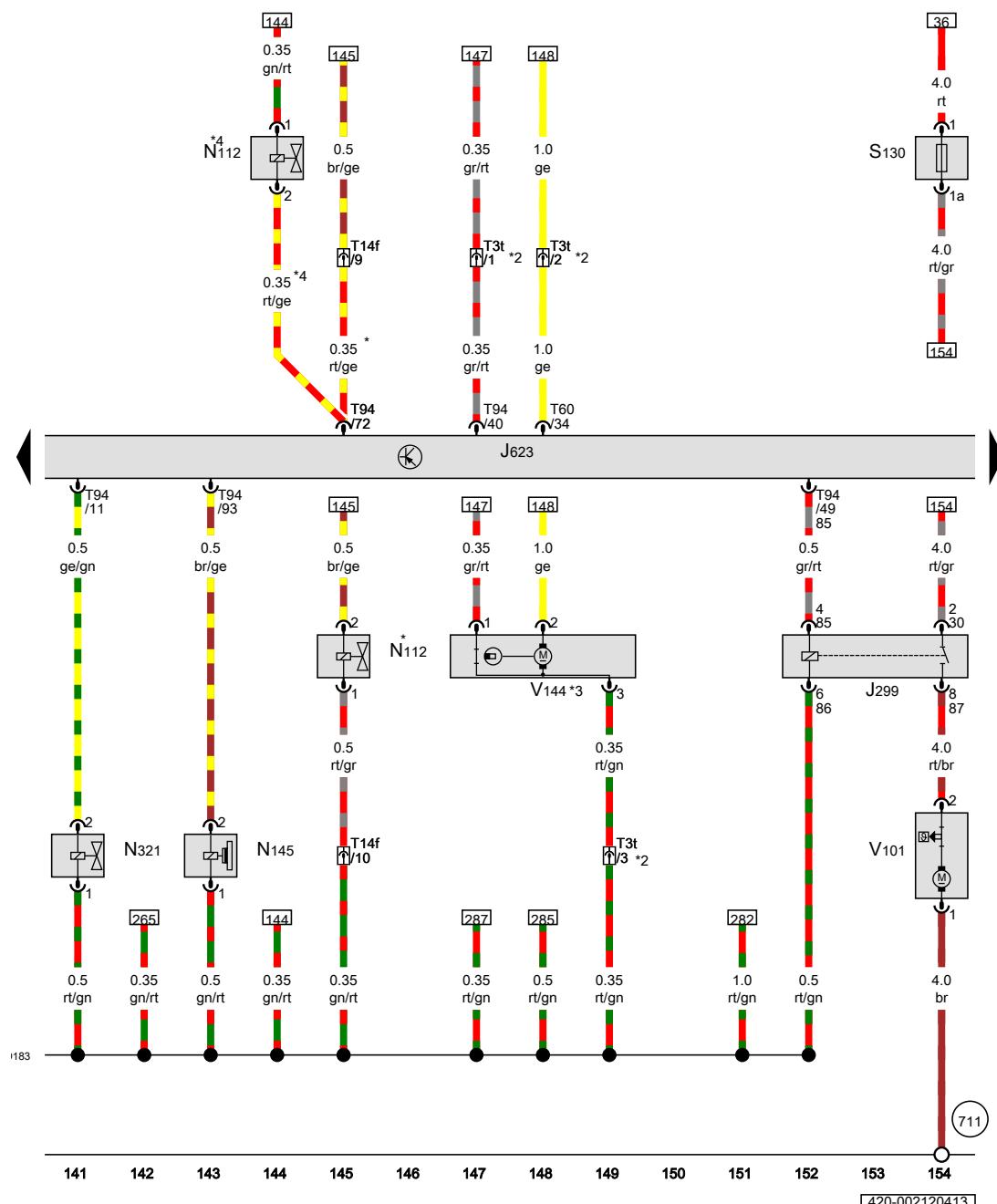
* from June 2010

*2 Through May 2010

* from June 2010

*2 Through May 2010

| | |
|----|----------|
| 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 |



Secondary air injection pump relay, Engine control module, Secondary air injection solenoid valve, Right electrohydraulic engine mount solenoid valve, Exhaust door valve 1, Secondary air injection pump motor

J299 Secondary air injection pump relay
 J623 Engine control module
 N112 Secondary air injection solenoid valve
 N145 Right electrohydraulic engine mount solenoid valve
 N321 Exhaust door valve 1
 S130 Secondary air injection pump fuse, 9-pin relay and fuse panel C under the rear shelf, right
 T3t 3-pin connector, black
 T14f 14-pin connector, in the engine compartment, black
 T60 60-pin connector, black
 T94 94-pin connector, black
 V101 Secondary air injection pump motor
 V144 Leak detection pump

711 Ground connection 3 on left rear chassis side member

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

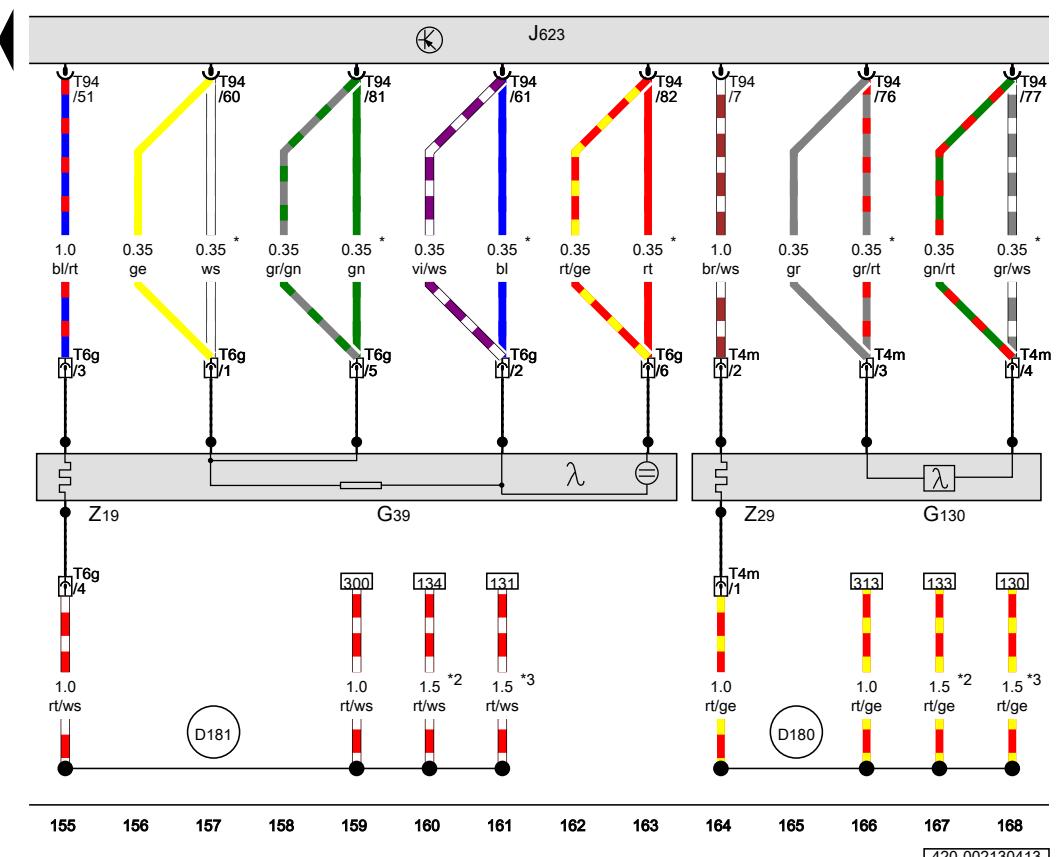
* Not for USA
 *2 Only for Audi R8 Spyder
 *3 Only for vehicles with a fuel system diagnostic pump
 *4 USA only

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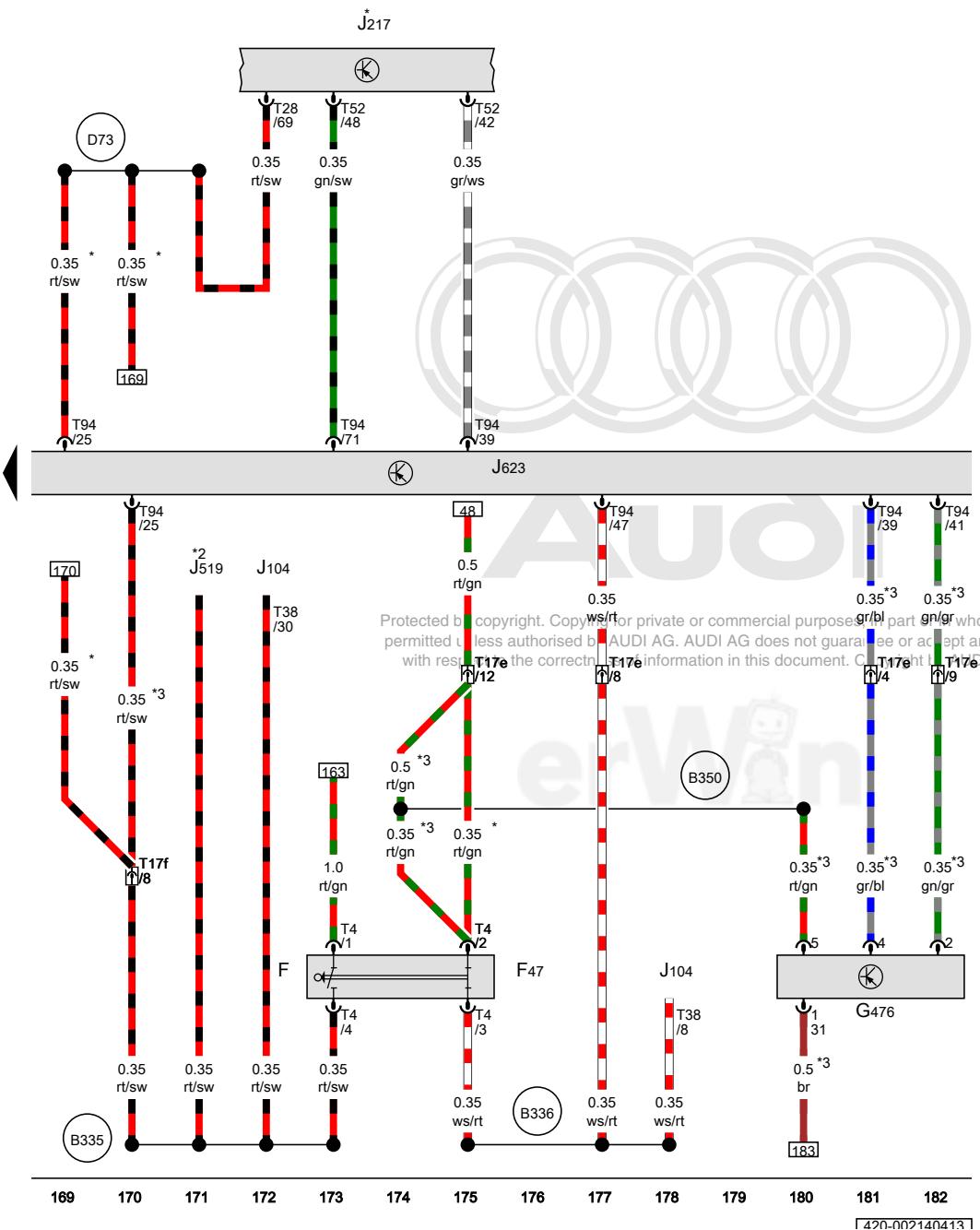
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T4m 4-pin connector, black
- T6g 6-pin connector, black
- T94 94-pin connector, black
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- (B317) Positive connection 3 (30a) (in main wiring harness)
- (D180) Connection 87a (in engine compartment wiring harness)
- (D181) Connection 87a (in engine compartment wiring harness) 2



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



Brake pedal switch, Clutch position sensor, Engine control module

- | | |
|------|--|
| F | Brake lamp switch |
| F47 | Brake pedal switch |
| G476 | Clutch position sensor |
| J104 | ABS control module |
| J217 | Transmission control module |
| J519 | Vehicle electrical system control module |
| J623 | Engine control module |
| T4 | 4-pin connector, black |
| T17e | 17-pin connector, Connector station under the rear shelf, right, red |
| T17f | 17-pin connector, Connector station under the rear shelf, right, white |
| T28 | 28-pin connector, black |
| T38 | 38-pin connector, gray |
| T52 | 52-pin connector, black |
| T94 | 94-pin connector, black |

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

(B336) Connection 54 (in main wiring harness) 2

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

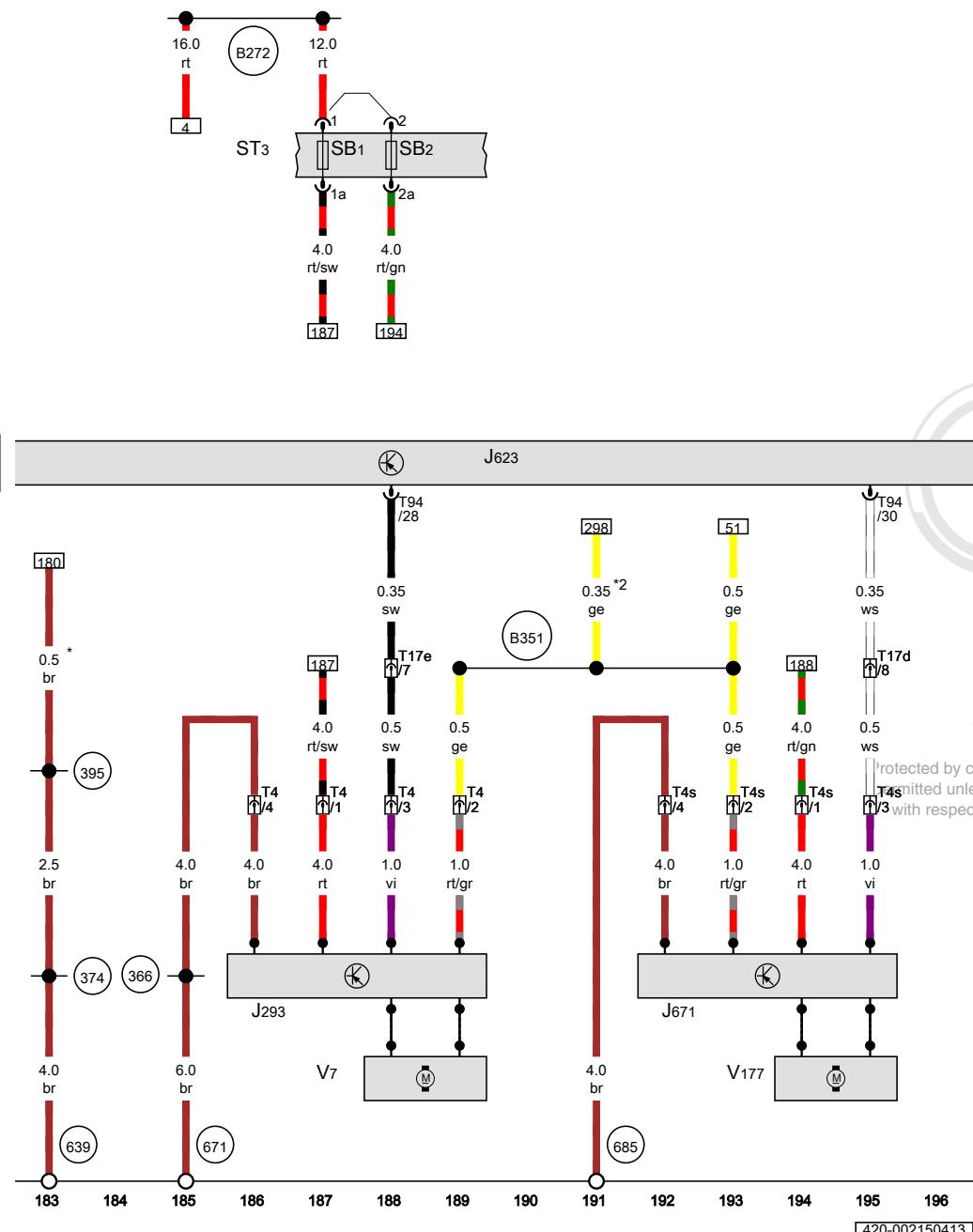
(D73) Positive connection (54) (in engine compartment wiring harness)

* Only for vehicles with automated manual transmission (R tronic)
086

*2 Refer to applicable standard equipment wiring diagram

*3 Only for vehicles with a manual 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



Coolant fan control module, Engine control module, Coolant fan

- | | |
|------|--|
| J293 | Coolant fan control module |
| J623 | Engine control module |
| J671 | Coolant fan control module 2 |
| SB1 | Fuse 1 (on fuse panel B) |
| SB2 | Fuse 2 (on fuse panel B) |
| ST3 | Fuse panel 3 |
| T4 | 4-pin connector, on the coolant fan, black |
| T4s | 4-pin connector, on the coolant fan, black |
| T17d | 17-pin connector, Connector station under the rear shelf, right, brown |
| T17e | 17-pin connector, Connector station under the rear shelf, right, red |
| T94 | 94-pin connector, black |
| V7 | Coolant fan |
| V177 | Coolant fan 2 |
| 366 | Ground connection 1 (in main wiring harness) |
| 374 | Ground connection 9 (in main wiring harness) |
| 395 | Ground connection 30 (in main wiring harness) |
| 639 | Ground connection on left A-pillar |
| 671 | Ground connection 1 on left front longitudinal member |
| 685 | Ground connection 1 on right front longitudinal member |
| B272 | Positive connection (30) (in main wiring harness) |
| B351 | Positive connection 2 (87a) (in main 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

* Only for vehicles with a manual transmission
 *2 Version for hot climates

Brake booster relay, Engine control module, Brake system vacuum pump

J569 Brake booster relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell

J623 Engine control module

T17d 17-pin connector, Connector station under the rear shelf, right, brown

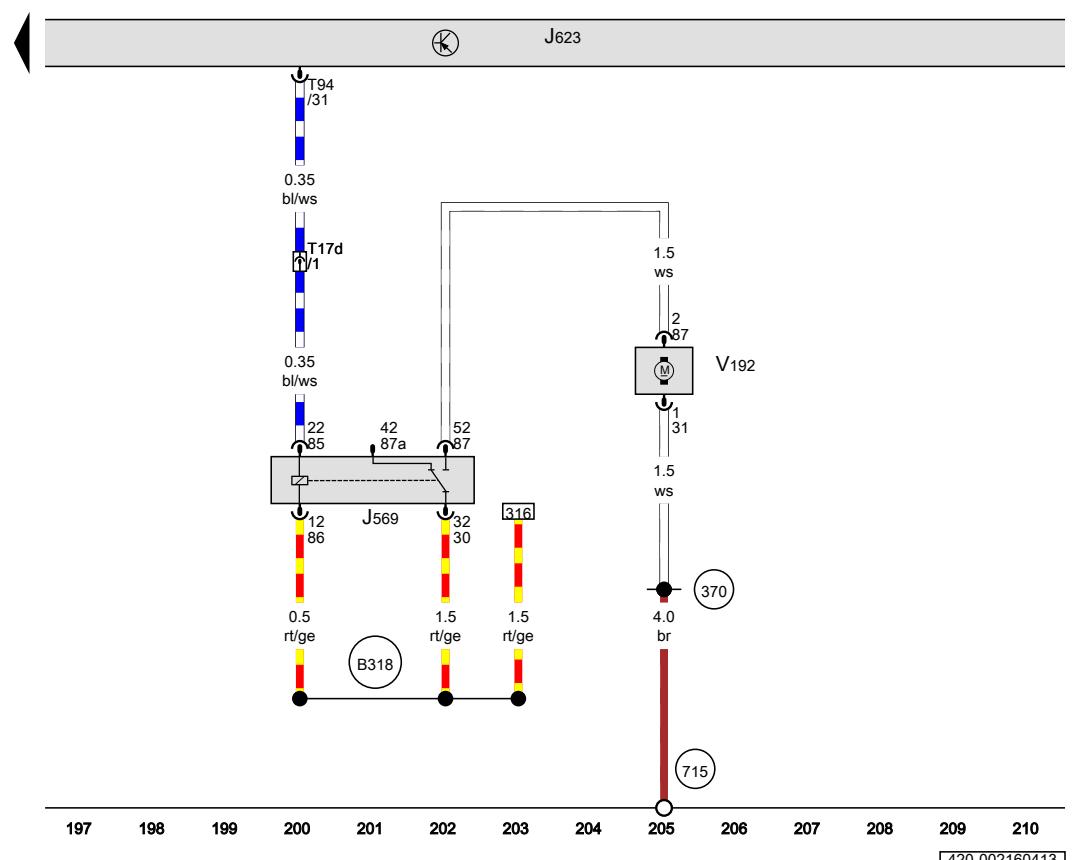
T94 94-pin connector, black

V192 Brake system vacuum pump

(370) Ground connection 5 (in main wiring harness)

(715) Ground connection on left crossmember

(B318) Positive connection 4 (30a) (in main wiring harness)

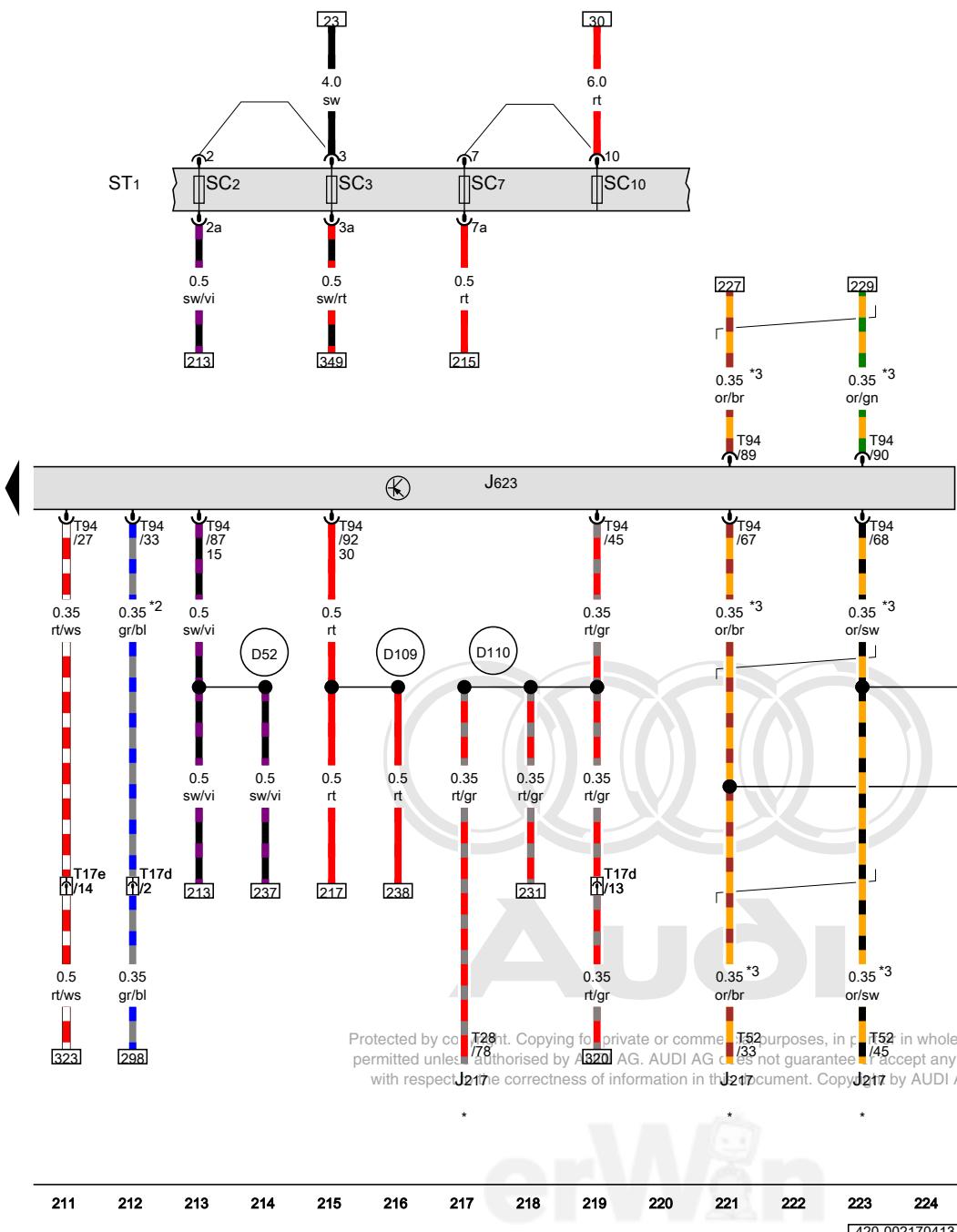


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| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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



Engine control module

- J217 Transmission control module
- J623 Engine control module
- ST1 Fuse panel 1
- SC2 Fuse 2 (on fuse panel C)
- SC3 Fuse 3 (on fuse panel C)
- SC7 Fuse 7 (on fuse panel C)
- SC10 Fuse 10 (on fuse panel C)
- T17d 17-pin connector, Connector station under the rear shelf, right, brown
- T17e 17-pin connector, Connector station under the rear shelf, right, red

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

(D109) Connection 7 (in engine compartment wiring harness)

(D110) Connection 8 (in engine compartment 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 automated manual transmission (R tronic)
086

*2 Version for hot climates

*3 Data bus wire (CAN bus)

| | |
|----|----------|
| 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 |

Engine control module 2

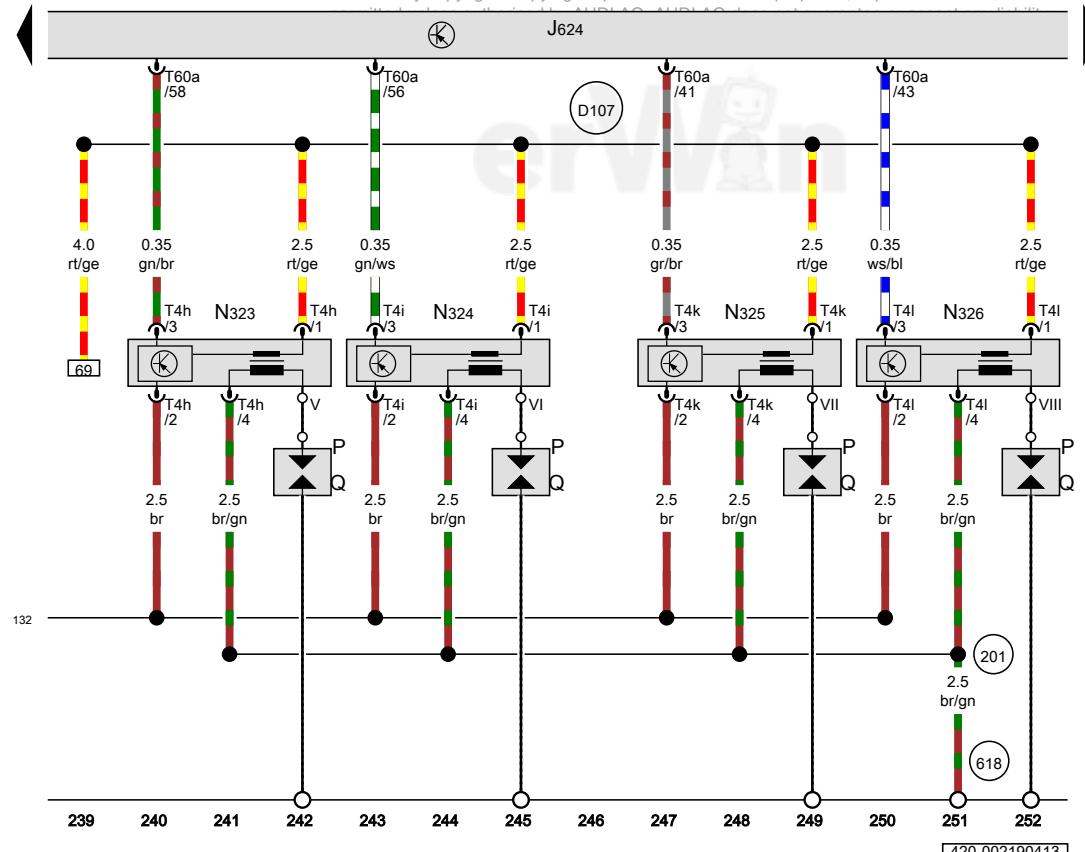
- J250 Electronic damping control module
 - J624 Engine control module 2
 - T17g 17-pin connector, Connector station under the rear shelf, right, black
 - T47 47-pin connector, black
 - T94a 94-pin connector, black
 - 132 Ground connection 3 (in engine compartment wiring harness)
 - 167 Ground connection 4 (in engine compartment wiring harness)
 - 711 Ground connection 3 on left rear chassis side member
 - D159 High bus connection (in engine compartment wiring harness)
 - D160 Low bus positive connection (in engine compartment wiring harness)
 - * Data bus wire (CAN bus)
 - *2 Only for vehicles with 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 |



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Engine control module 2, Ignition coil 5 with power output stage, Ignition coil 6 with power output stage, Ignition coil 7 with power output stage, Ignition coil 8 with power output stage

J624 Engine control module 2
N323 Ignition coil 5 with power output stage
N324 Ignition coil 6 with power output stage
N325 Ignition coil 7 with power output stage
N326 Ignition coil 8 with power output stage

P Spark plug connectors

Q Spark plugs

T4h 4-pin connector, black

T4i 4-pin connector, black

T4k 4-pin connector, black

T4l 4-pin connector, black

T60a 60-pin connector, black

132 Ground connection 3 (in engine compartment wiring harness)

201 Ground connection 5 (in engine compartment wiring harness)

618 Ground connection on engine, left

D107 Connection 5 (in engine compartment wiring harness)

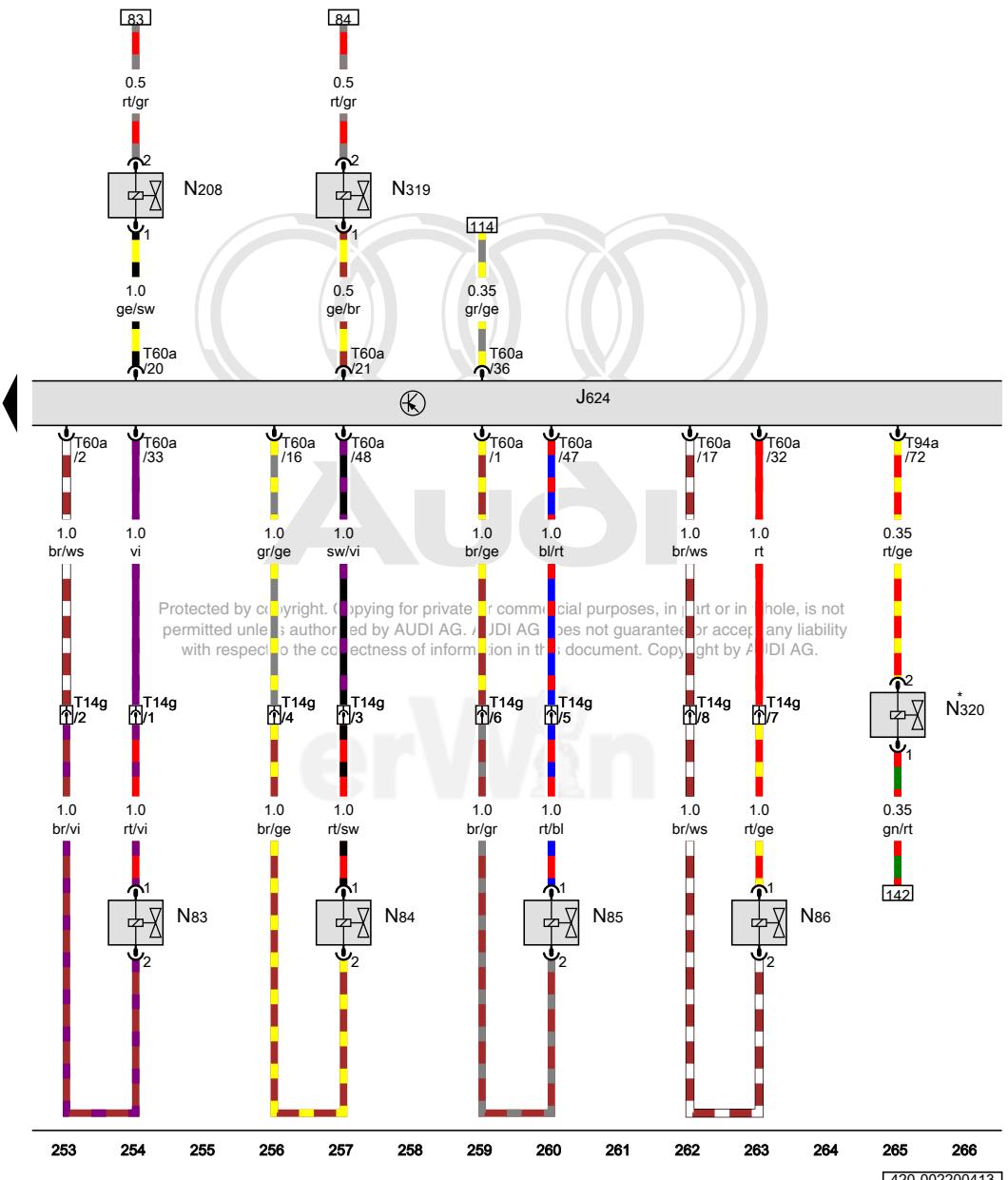
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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

F420-000219n4131

Engine control module 2, Cylinder 5 fuel injector, Cylinder 6 fuel injector, Cylinder 7 fuel injector, Cylinder 8 fuel injector, Camshaft adjustment valve 2, Exhaust camshaft adjustment valve 2, Secondary air injection solenoid valve 2

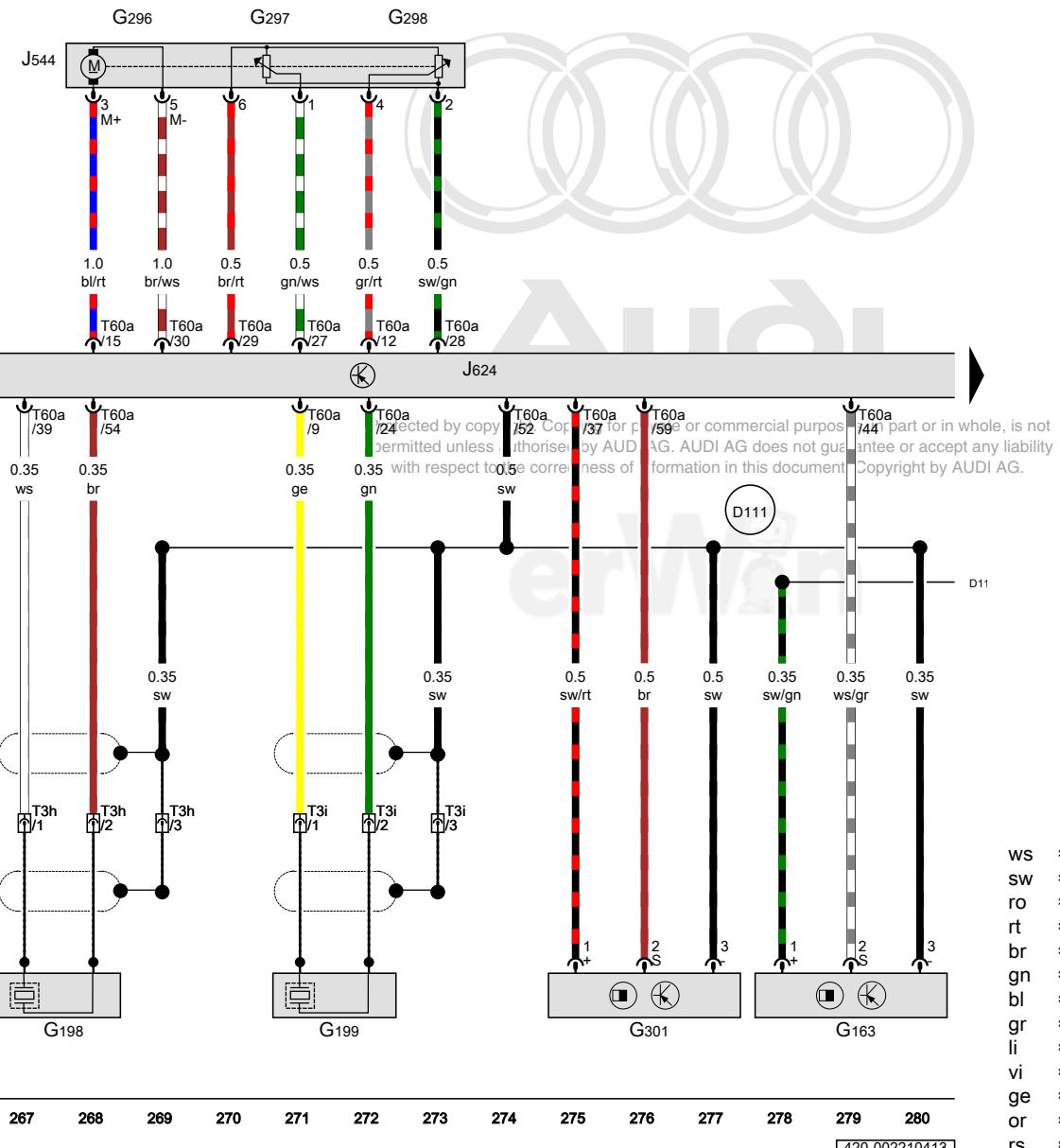
| | |
|------|--|
| J624 | Engine control module 2 |
| N83 | Cylinder 5 fuel injector |
| N84 | Cylinder 6 fuel injector |
| N85 | Cylinder 7 fuel injector |
| N86 | Cylinder 8 fuel injector |
| N208 | Camshaft adjustment valve 2 |
| N319 | Exhaust camshaft adjustment valve 2 |
| N320 | Secondary air injection solenoid valve 2 |
| T14g | 14-pin connector, in the engine compartment, black |
| T60a | 60-pin connector, black |
| T94a | 94-pin connector, black |
| * | USA only |

* USA only



| | |
|----|----------|
| 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 |

Camshaft position sensor 2, Knock sensor 3, Knock sensor 4, Camshaft position sensor 4, Throttle valve control module 2, Engine control module 2



G163 Camshaft position sensor 2

G198 Knock sensor 3

G199 Knock sensor 4

G296 Throttle drive 2

G297 Throttle drive 2 angle sensor 1

G298 Throttle drive 2 angle sensor 2

G301 Camshaft position sensor 4

J544 Throttle valve control module 2

J624 Engine control module 2

T3h 3-pin connector, on the knock sensor 3

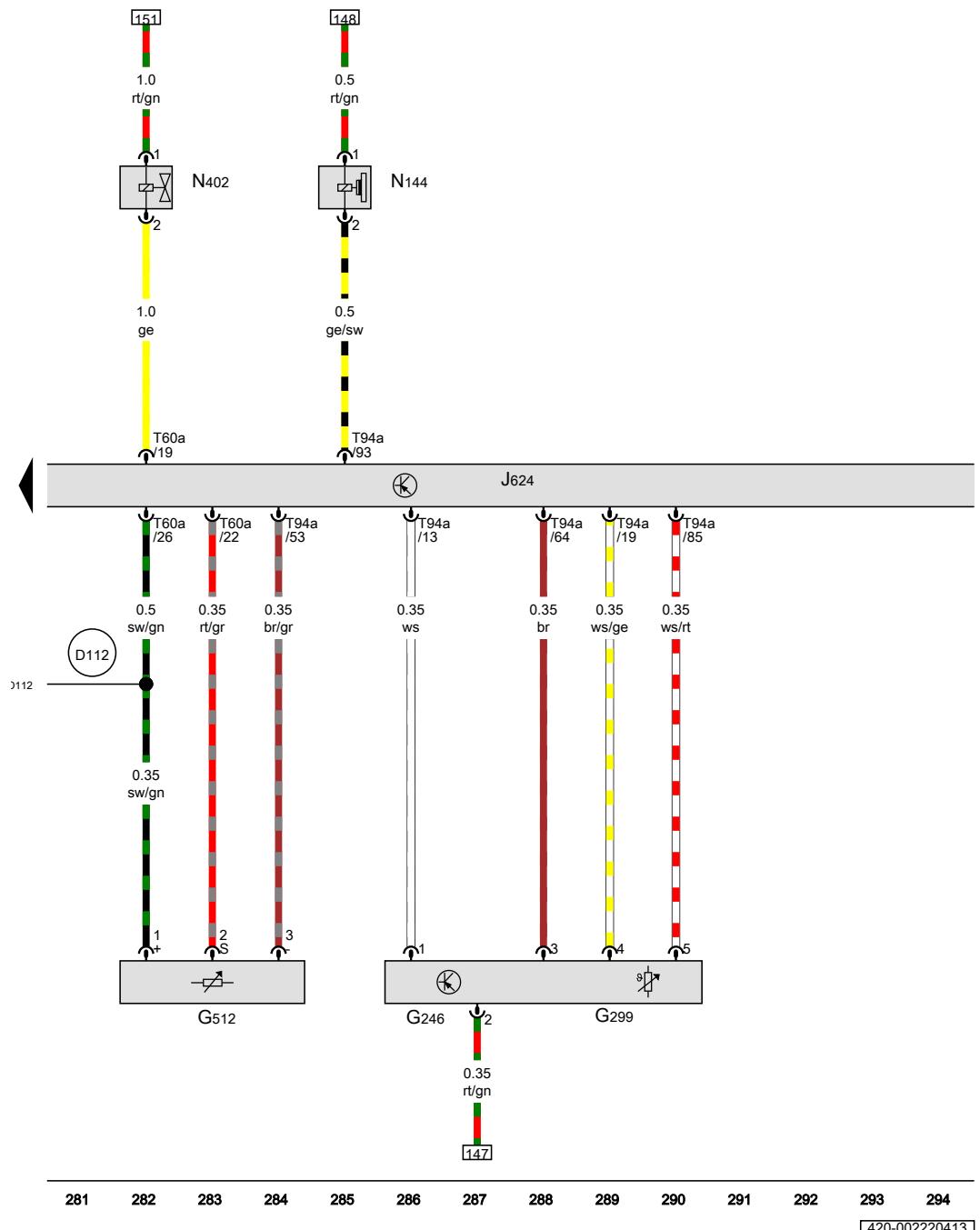
T3i 3-pin connector, on the knock sensor 4

T60a 60-pin connector, black

(D111) Connection 9 (in engine compartment wiring harness)

(D112) Connection 10 (in engine compartment wiring harness)

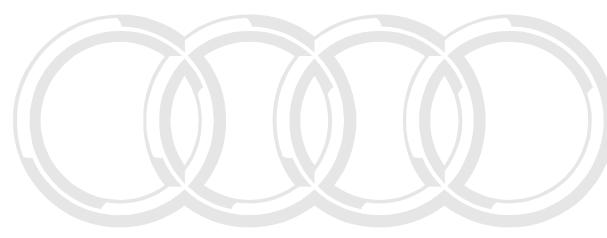
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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink



Mass airflow sensor 2, Intake manifold runner position sensor 2, Engine control module 2, Left electrohydraulic engine mount solenoid valve, Fuel metering valve 2

G246 Mass airflow sensor 2
 G299 Intake air temperature sensor 2
 G512 Intake manifold runner position sensor 2
 J624 Engine control module 2
 N144 Left electrohydraulic engine mount solenoid valve
 N402 Fuel metering valve 2
 T60a 60-pin connector, black
 T94a 94-pin connector, black

(D112) Connection 10 (in engine compartment wiring harness)

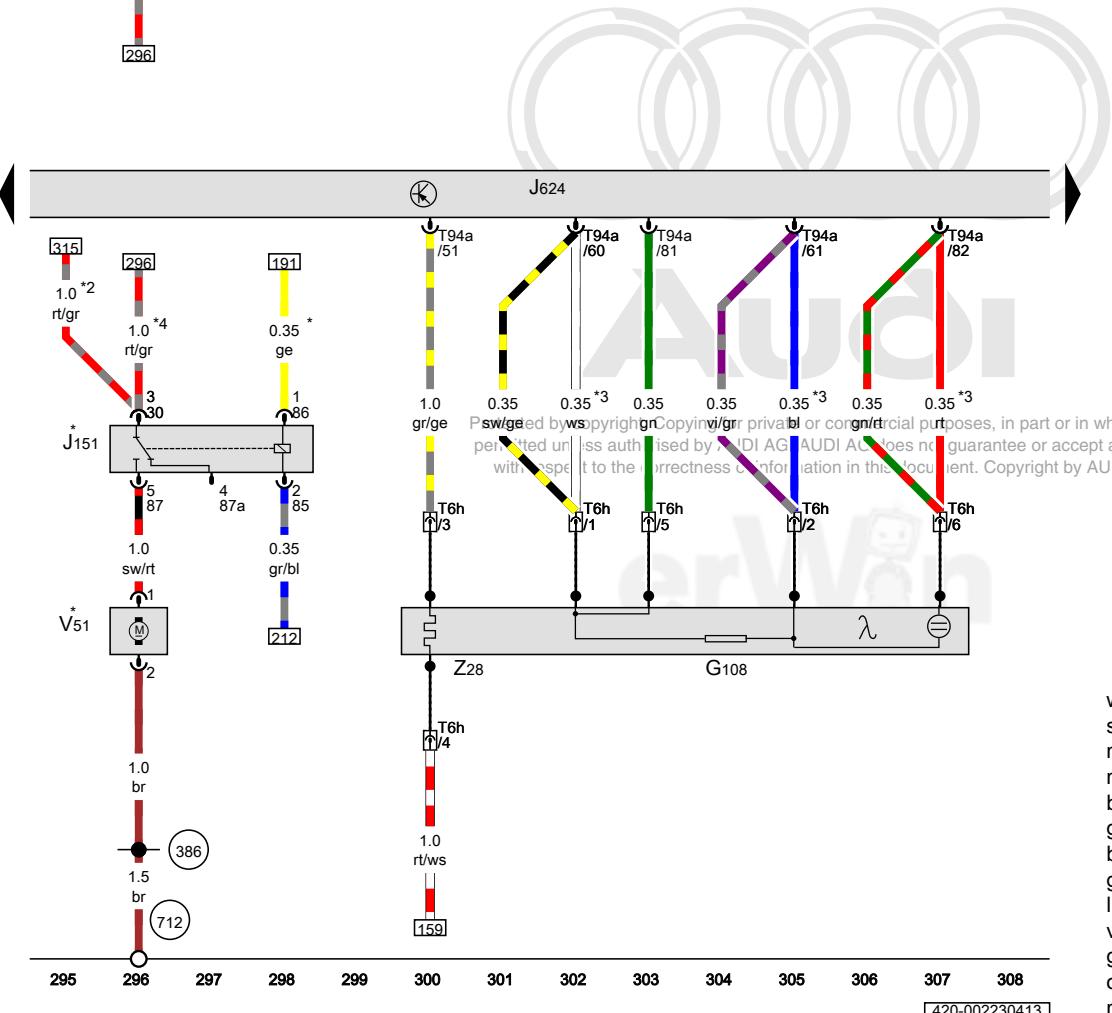


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ws = white
 sw = black
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 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink



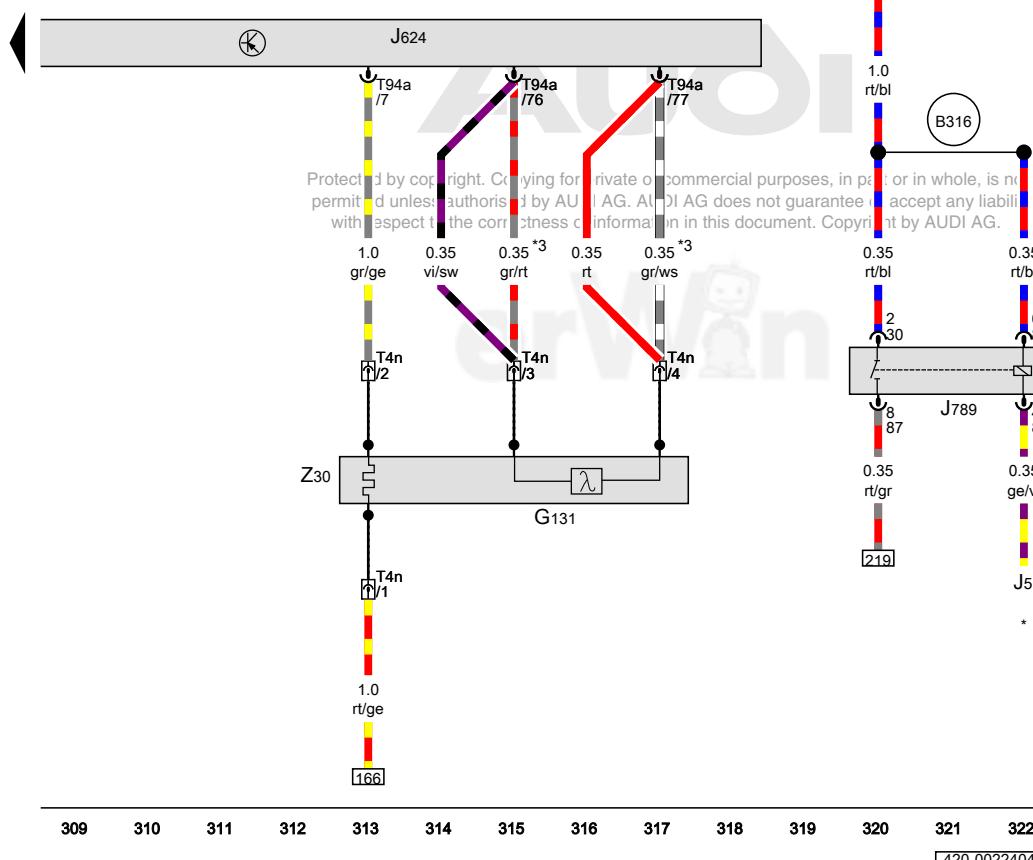
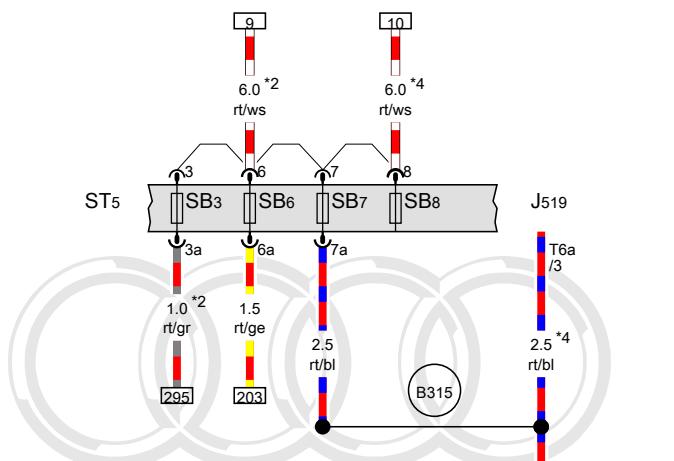


**Heated oxygen sensor 2, Coolant circulation pump relay,
Engine control module 2**

- G108 Heated oxygen sensor 2
 - J151 Coolant circulation pump relay
 - J624 Engine control module 2
 - SB3 Fuse 3 (on fuse panel B)
 - ST5 Fuse panel 5
 - T6h 6-pin connector, brown
 - T94a 94-pin connector, black
 - V51 After-run coolant pump
 - Z28 Oxygen sensor 2 heater
 - 386 Ground connection 21 (in main wiring harness)
 - 712 Ground connection under rear shelf, left
- * Version for hot climates
 *2 from June 2009
 *3 Running change
 *4 Through May 2009

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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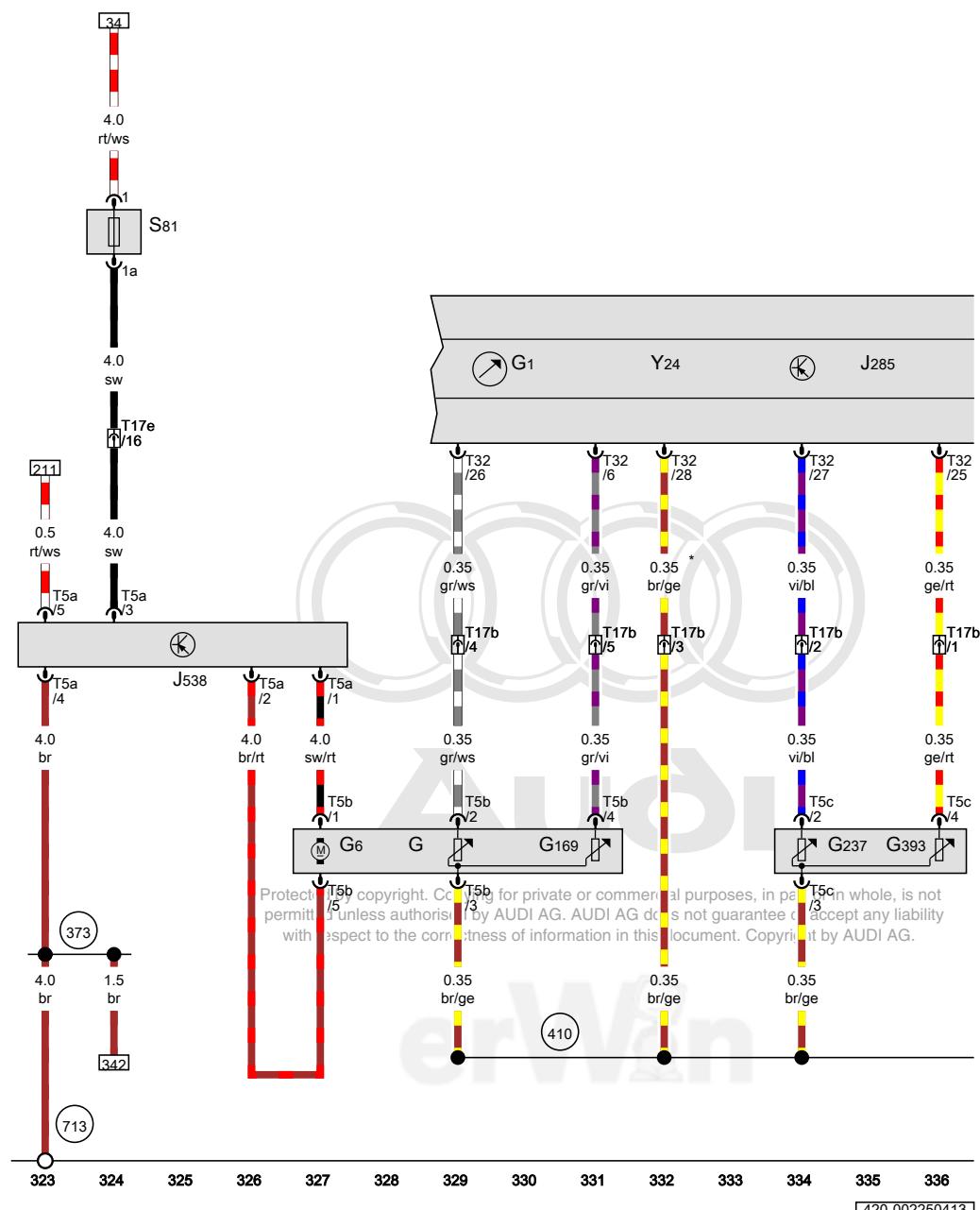
Oxygen sensor 2 after catalytic converter, Engine control module 2, Control relay

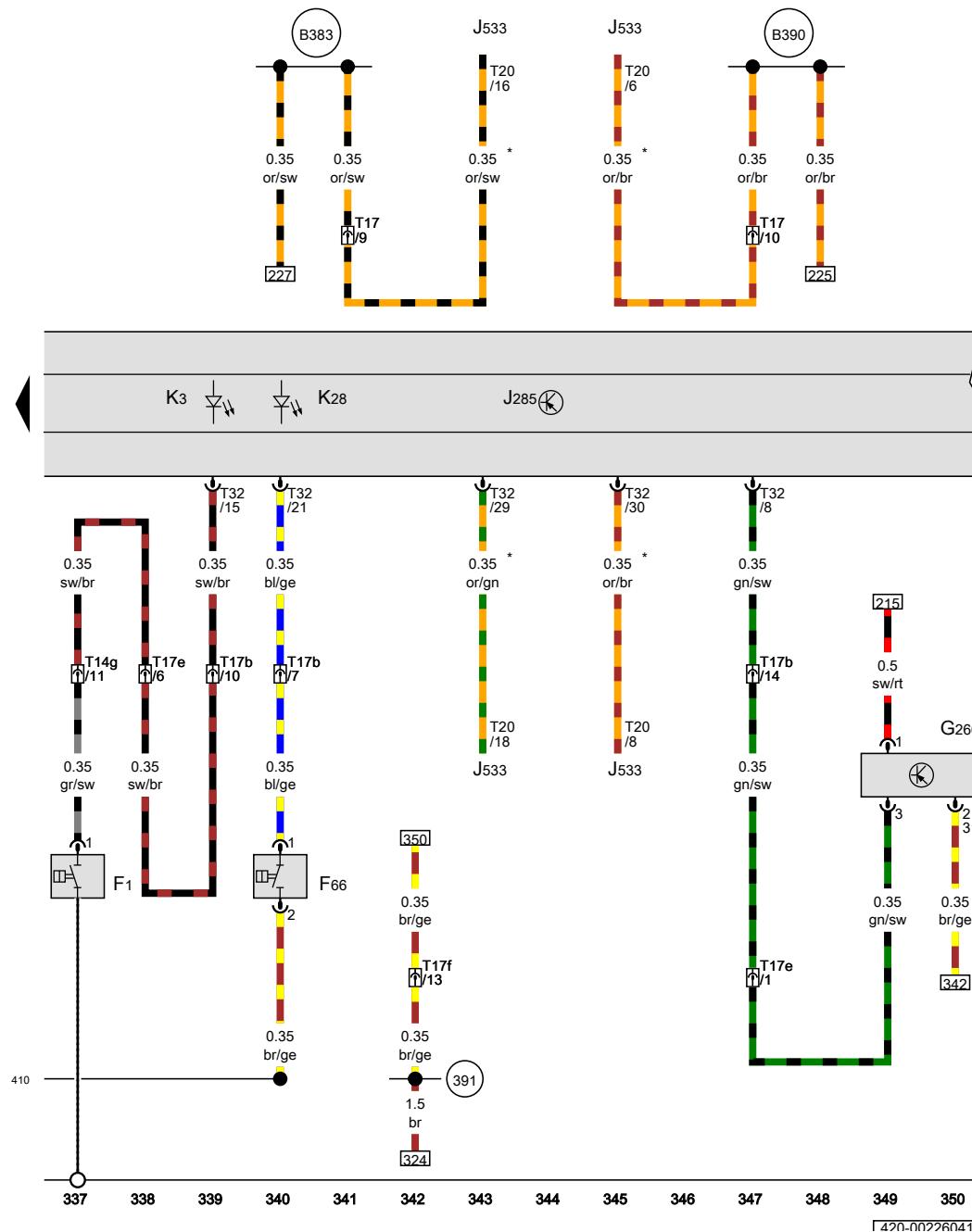
- G131 Oxygen sensor 2 after catalytic converter
 - J519 Vehicle electrical system control module
 - J624 Engine control module 2
 - J789 Control relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
 - SB3 Fuse 3 (on fuse panel B)
 - ST5 Fuse panel 5
 - SB6 Fuse 6 (on fuse panel B)
 - SB7 Fuse 7 (on fuse panel B)
 - SB8 Fuse 8 (on fuse panel B)
 - T4n 4-pin connector, brown
 - T6a 6-pin connector, black
 - T94a 94-pin connector, black
 - Z30 Heater for oxygen sensor 2 after catalytic converter
 - (B315) Positive connection 1 (30a) (in main wiring harness)
 - (B316) Positive connection 2 (30a) (in main wiring harness)
- * Refer to applicable standard equipment wiring diagram
 *2 from June 2009
 *3 Running change
 *4 Through May 2009

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

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

- G Fuel level sensor
 G1 Fuel gauge
 G6 Transfer fuel pump
 G169 Fuel level sensor 2
 G237 Fuel level sensor 3
 G393 Fuel level sensor 4
 J285 Instrument cluster control module
 J538 Fuel pump control module
 S81 Fuel pump fuse, 9-pin relay and fuse panel C under the rear shelf, right
 T5a 5-pin connector, black
 T5b 5-pin connector, black
 T5c 5-pin connector, black
 T17b 17-pin connector, Inside the center console connector station on the right side, brown
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T32 32-pin connector, blue
 Y24 Display unit in instrument cluster
 373 Ground connection 8 (in main wiring harness)
 410 Sensor ground connection 1 (in main wiring harness)
 713 Ground connection under rear shelf, right
 * Sensor ground output



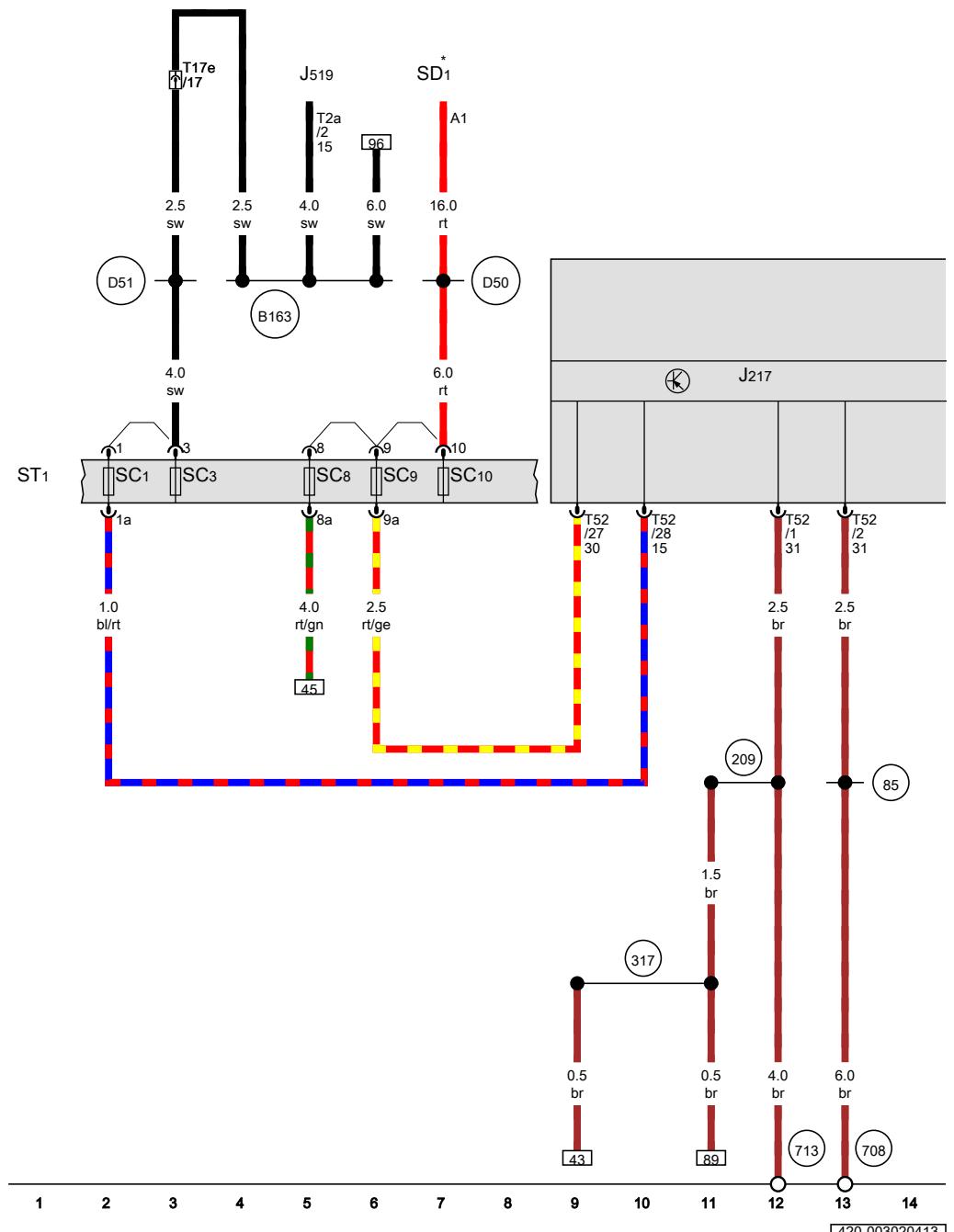


Automatic transmission (R tronic) 086
from May 2006



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Transmission control module, Fuse panel 1

- J217 Transmission control module
 J519 Vehicle electrical system control module
 SC1 Fuse 1 (on fuse panel C)
 ST1 Fuse panel 1
 SD1 Fuse 1 (on fuse panel D)
 SC3 Fuse 3 (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)
 T2a Double connector
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T52 52-pin connector, black
 85 Ground connection 1 (in engine compartment wiring harness)
 209 Ground connection 6 (in engine compartment wiring harness)
 317 Ground connection 7 (in engine compartment wiring harness)
 708 Ground connection 2 on right rear chassis side member
 713 Ground connection under rear shelf, right
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- B163 Positive connection 1 (15) (in interior wiring harness)
 D50 Positive connection (30) (in engine compartment wiring harness)
 D51 Positive connection 1 (15) (in interior wiring harness)
- * Main fuse box in the right front footwell

Transmission control module

J217 Transmission control module
 J533 Data bus on board diagnostic interface
 J623 Engine control module
 J624 Engine control module 2
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T17c 17-pin connector, Inside the center console connector station on the right side, blue
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T17g 17-pin connector, Connector station under the rear shelf, right, black
 T20 20-pin connector, red
 T52 52-pin connector, black
 T94 94-pin connector, black
 T94a 94-pin connector, black

(B383) Powertrain CAN bus high connection 1 (in main wiring harness)

(B390) Powertrain CAN bus low connection 1 (in main wiring harness)

(D159) High bus connection (in engine compartment wiring harness)

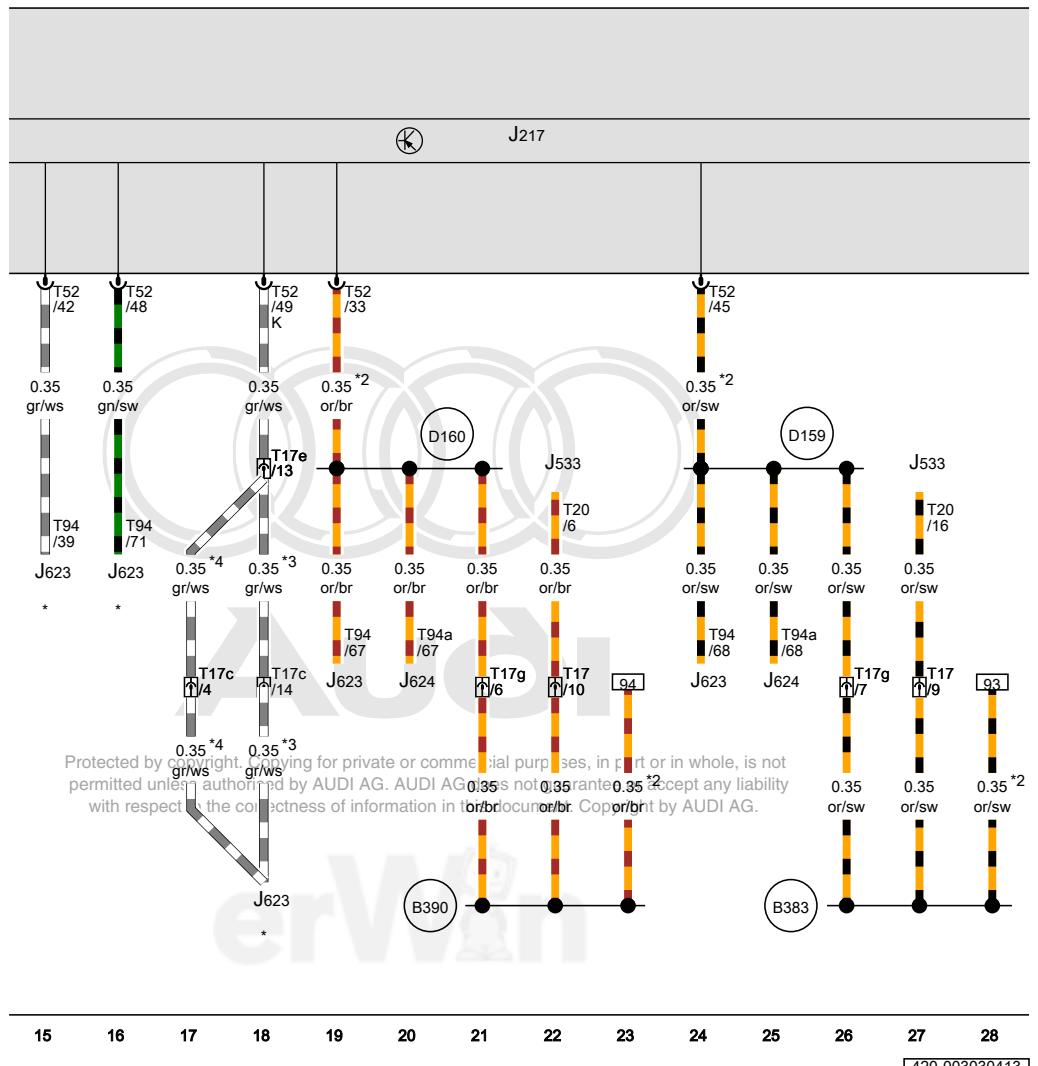
(D160) Low bus positive connection (in engine compartment wiring harness)

* Refer to applicable engine wiring diagram

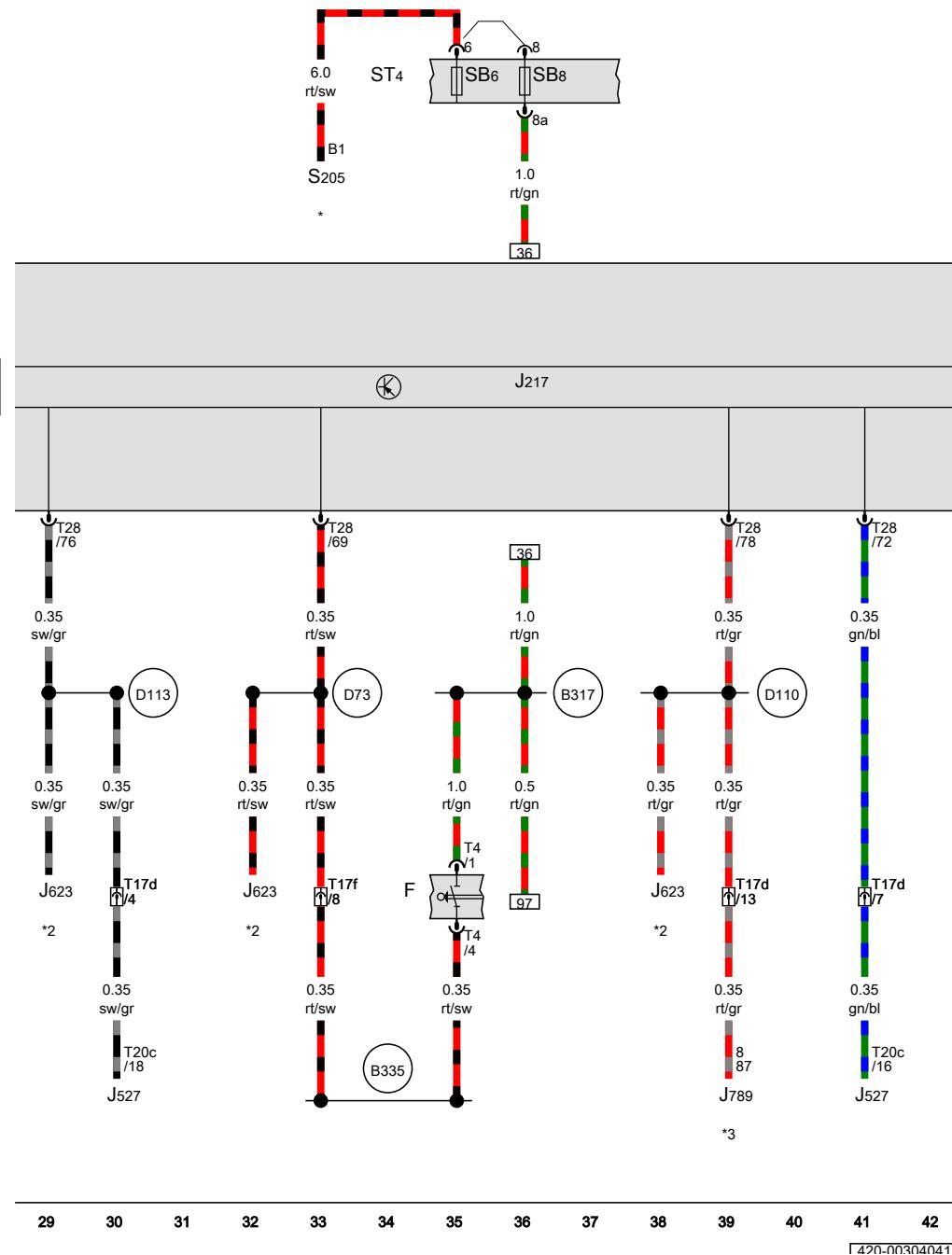
*2 Data bus wire (CAN bus)

*3 Through May 2007

*4 from June 2007



| | |
|----|----------|
| 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, Transmission control module

- | | |
|--------|--|
| F | Brake lamp switch |
| J217 | Transmission control module |
| J527 | Steering column electronics control module |
| J623 | Engine control module |
| J789 | Control relay |
| ST4 | Fuse panel 4 |
| SB6 | Fuse 6 (on fuse panel B) |
| SB8 | Fuse 8 (on fuse panel B) |
| S205 | Fuse 2 (terminal 30) |
| T4 | 4-pin connector, black |
| T17d | 17-pin connector, Connector station under the rear shelf, right, brown |
| T17f | 17-pin connector, Connector station under the rear shelf, right, white |
| T20c | 20-pin connector, black |
| T28 | 28-pin connector, black |
| (B317) | Positive connection 3 (30a) (in main wiring harness) |
| (B335) | Connection 54 (in main wiring harness) 1 |
| (D73) | Positive connection (54) (in engine compartment wiring harness) |
| (D110) | Connection 8 (in engine compartment wiring harness) |

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* Main distribution in the right front footwell

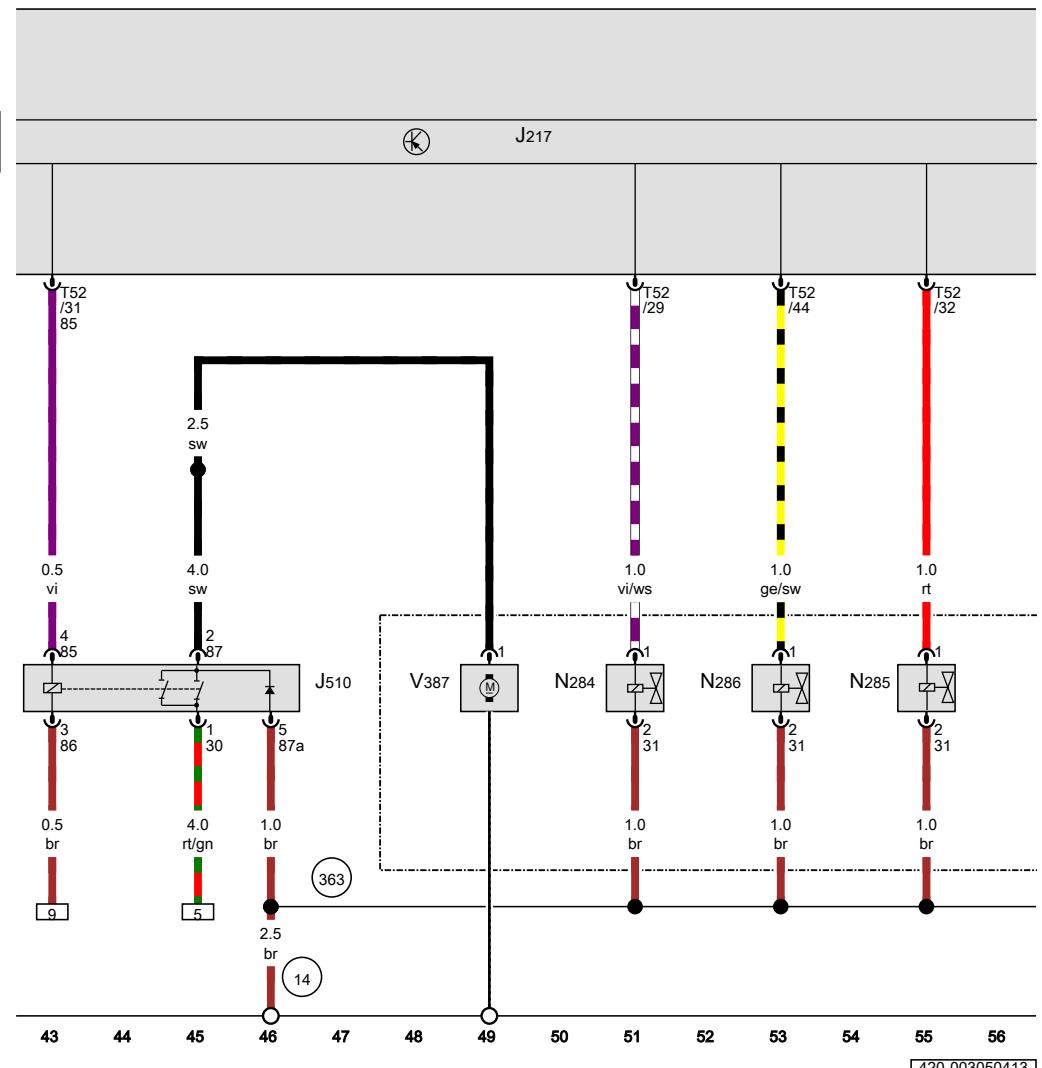
*2 Refer to applicable engine wiring diagram

*3 Relay and fuse holder B on the vehicle electrical system control module in the right front footwell

| | |
|----|----------|
| 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 |

Transmission control module, Transmission hydraulic pump relay, Gear selection valve 1, Gear selection valve 2, Gear selection valve 3, Transmission hydraulic pump

- J217 Transmission control module
- J510 Transmission hydraulic pump relay, 9-pin relay and fuse panel C under the rear shelf, right
- N284 Gear selection valve 1
- N285 Gear selection valve 2
- N286 Gear selection valve 3
- T52 52-pin connector, black
- V387 Transmission hydraulic pump
- (14) Ground connection on transmission
- (363) Ground 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
 ge = yellow
 or = orange
 rs = pink

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**Gear recognition sensor, Gear recognition sensor 2,
Transmission control module, Clutch actuator valve**

G604 Gear recognition sensor
 G616 Gear recognition sensor 2
 J217 Transmission control module
 N255 Clutch actuator valve
 T28 28-pin connector, black
 T52 52-pin connector, black

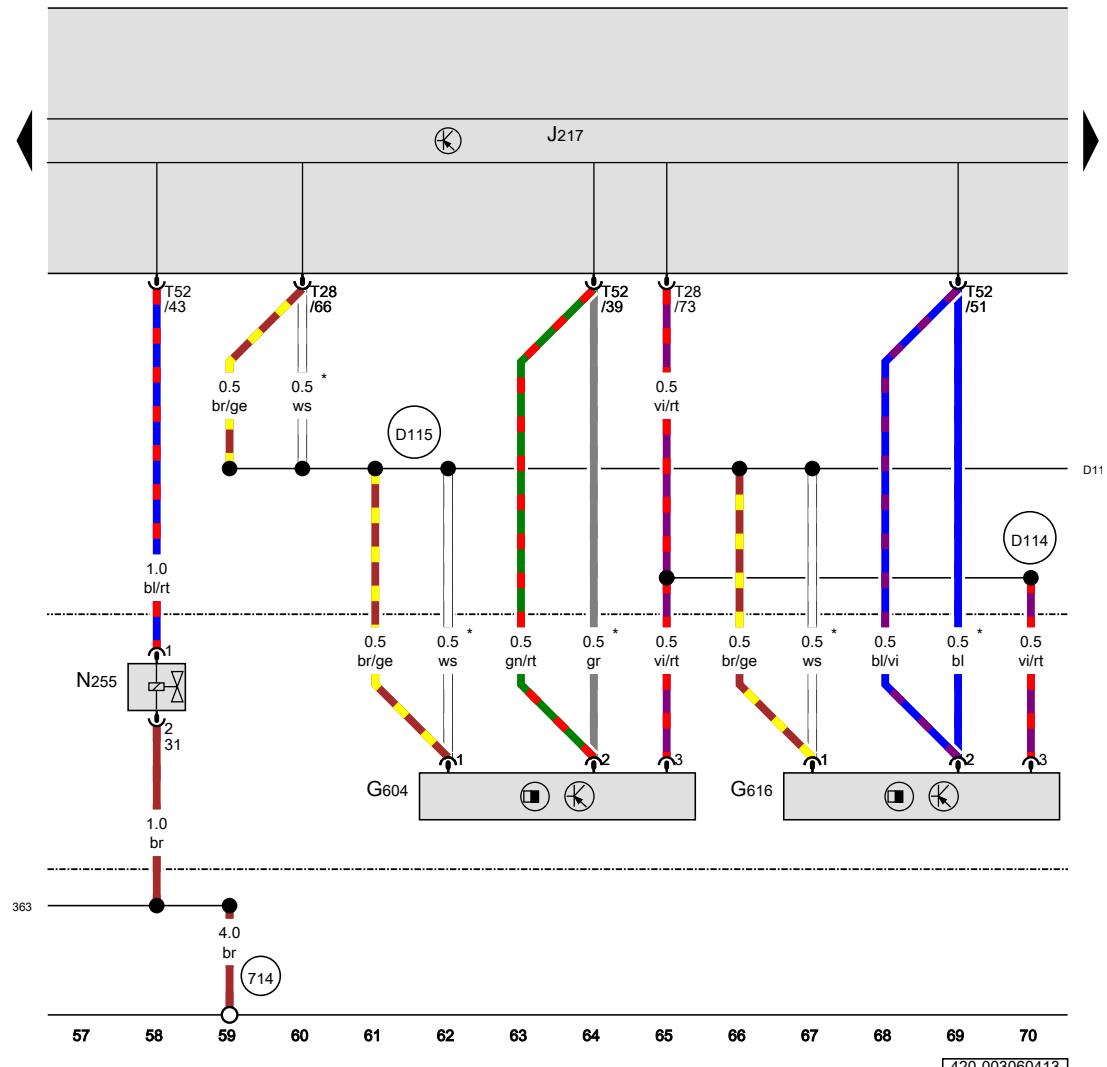
(363) Ground connection 8 (in engine compartment wiring harness)

(714) Ground connection on engine, right

(D114) Connection 12 (in engine compartment wiring harness)

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

* Running change



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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

Transmission input speed sensor, Hydraulic pressure sensor, Transmission control module

G182 Transmission input speed sensor

G270 Hydraulic pressure sensor

J217 Transmission control module

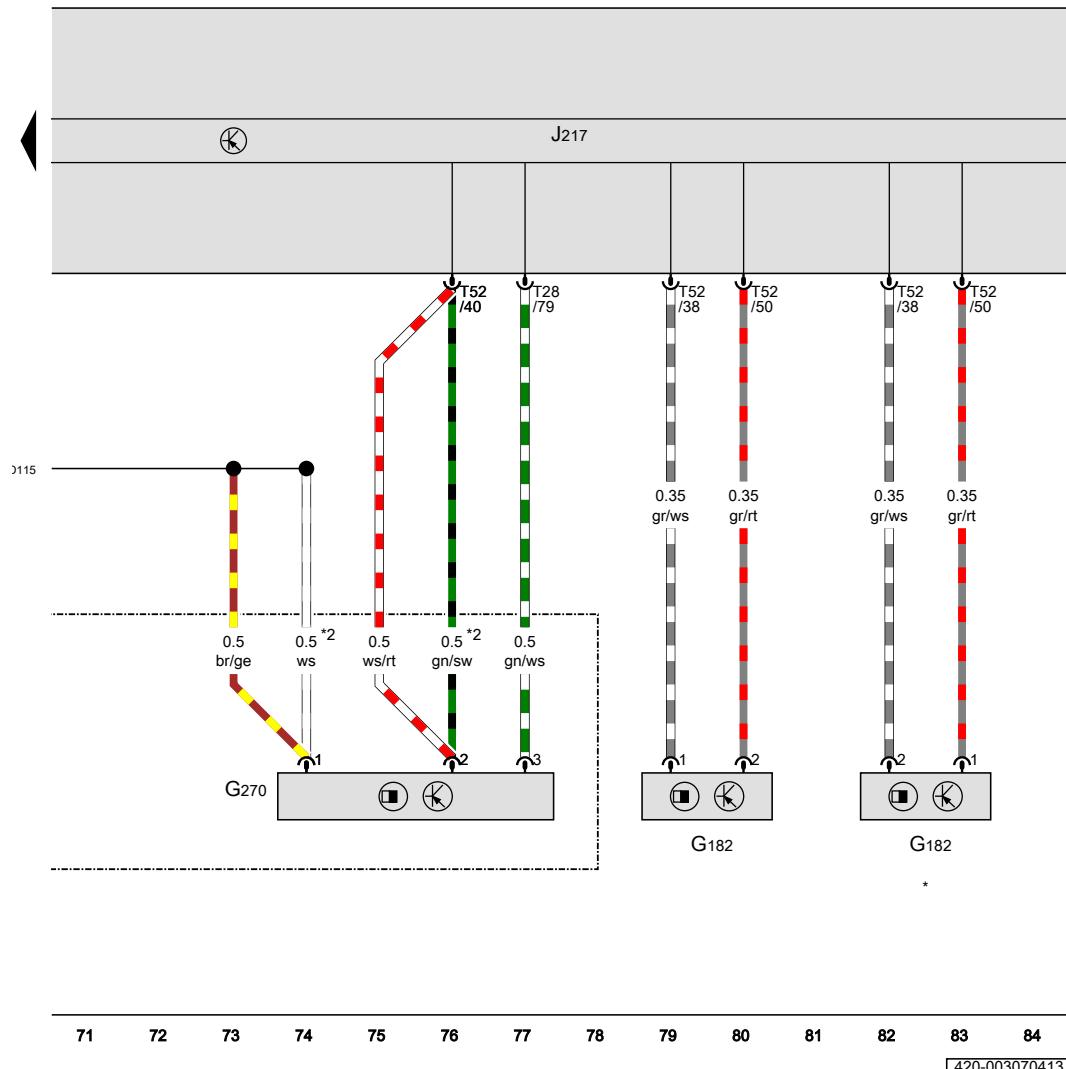
T28 28-pin connector, black

T52 52-pin connector, black

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

* Only in vehicles with 10-cylinder engine

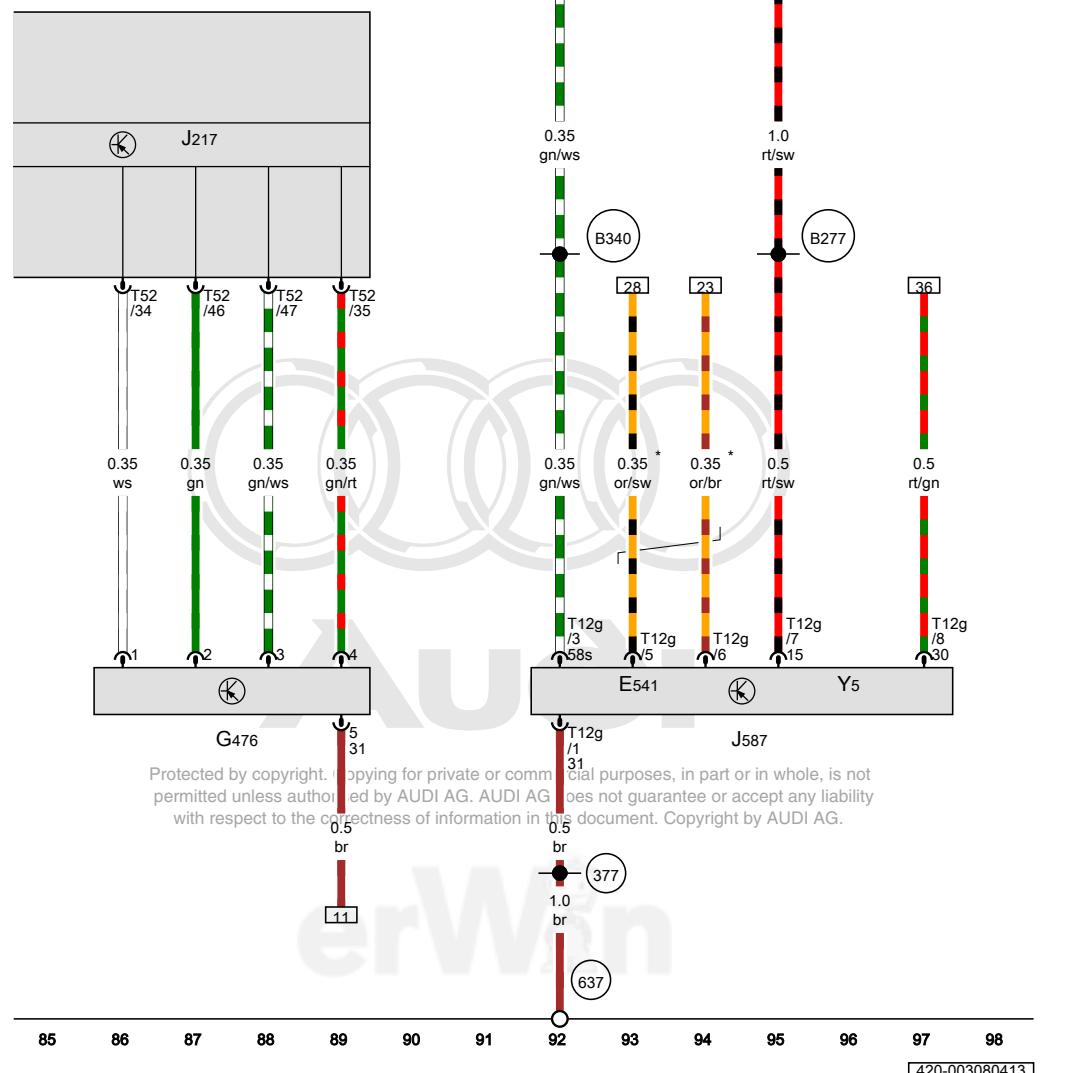
*² Running change



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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



Sport program button, Clutch position sensor, Transmission control module, Selector lever sensor system control module, Selector lever transmission range display

- E541 Sport program button
- G476 Clutch position sensor
- J217 Transmission control module
- J519 Vehicle electrical system control module
- J587 Selector lever sensor system control module
- ST2 Fuse panel 2
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- T12b 12-pin connector, black
- T12g 12-pin connector
- T52 52-pin connector, black
- Y5 Selector lever transmission range display
- (377) Ground connection 12 (in main wiring harness)
- (637) Airbag control module ground connection
- (B277) Positive connection 1 (15a) (in main wiring harness)
- (B340) Connection 58d (in main wiring harness) 1
- * Data bus wire (CAN bus)

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

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

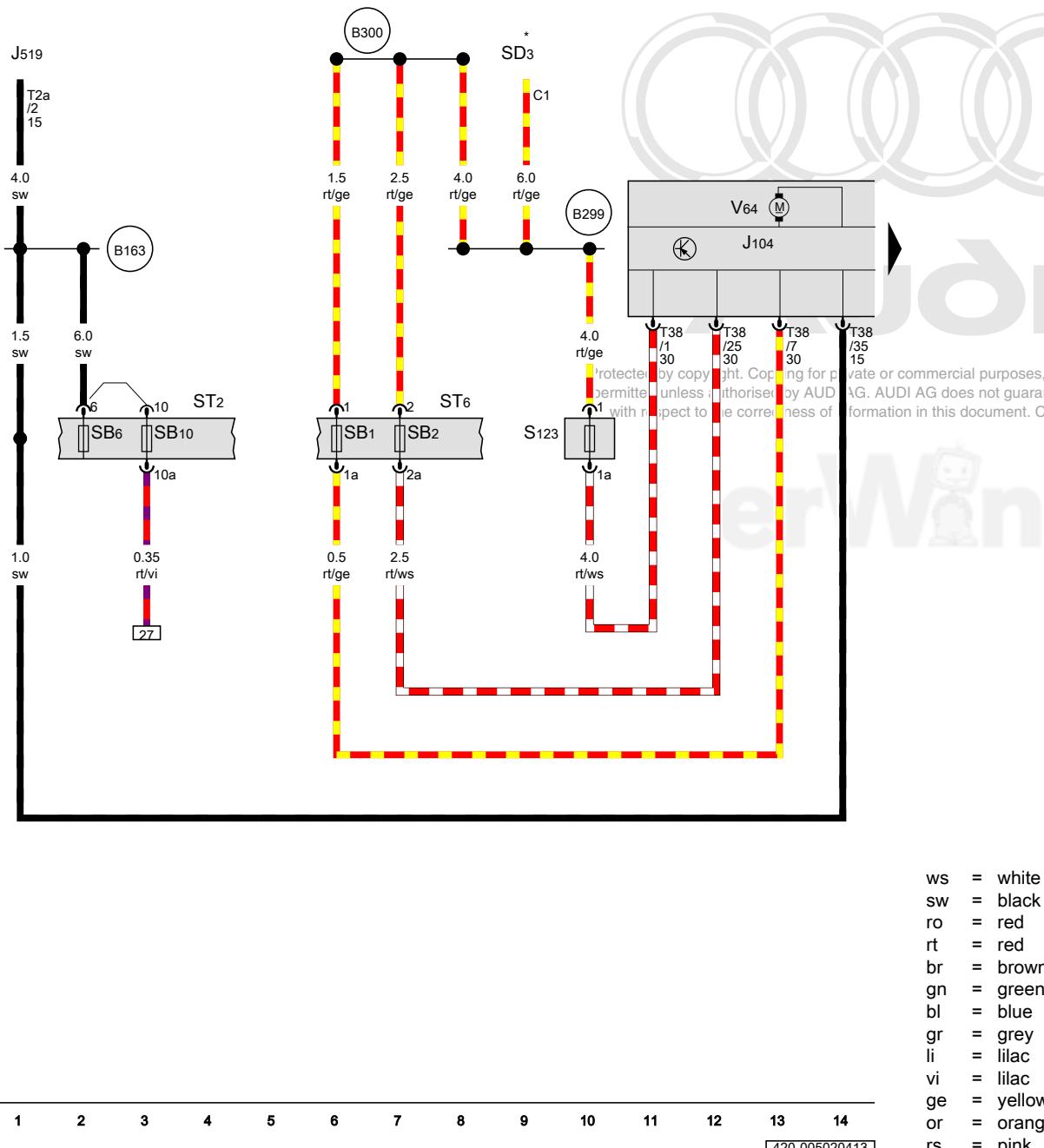
from May 2006



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ABS control module, ABS control module fuse 1



| | |
|----|----------|
| 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 |

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

- E256 ASR/ESP button
 - E461 Front center console control head
 - F Brake lamp switch
 - F47 Brake pedal switch
 - G201 Brake pressure sensor 1
 - J104 ABS control module
 - J271 Motronic engine control module power supply relay, 9-pin relay and fuse panel C under the rear shelf, right
 - J519 Vehicle electrical system control module
 - J623 Engine control module
 - ST3 Fuse panel 3
 - ST4 Fuse panel 4
 - SB6 Fuse 6 (on fuse panel B)
 - SB8 Fuse 8 (on fuse panel B)
 - SC10 Fuse 10 (on fuse panel C)
 - S205 Fuse 2 (terminal 30)
 - T2a Double connector, black
 - T4 4-pin connector, black
 - T16e 16-pin connector, brown
 - T17e 17-pin connector, Connector station under the rear shelf, right, red
 - T38 38-pin connector, gray
 - 672 Ground connection 2 on left front longitudinal member

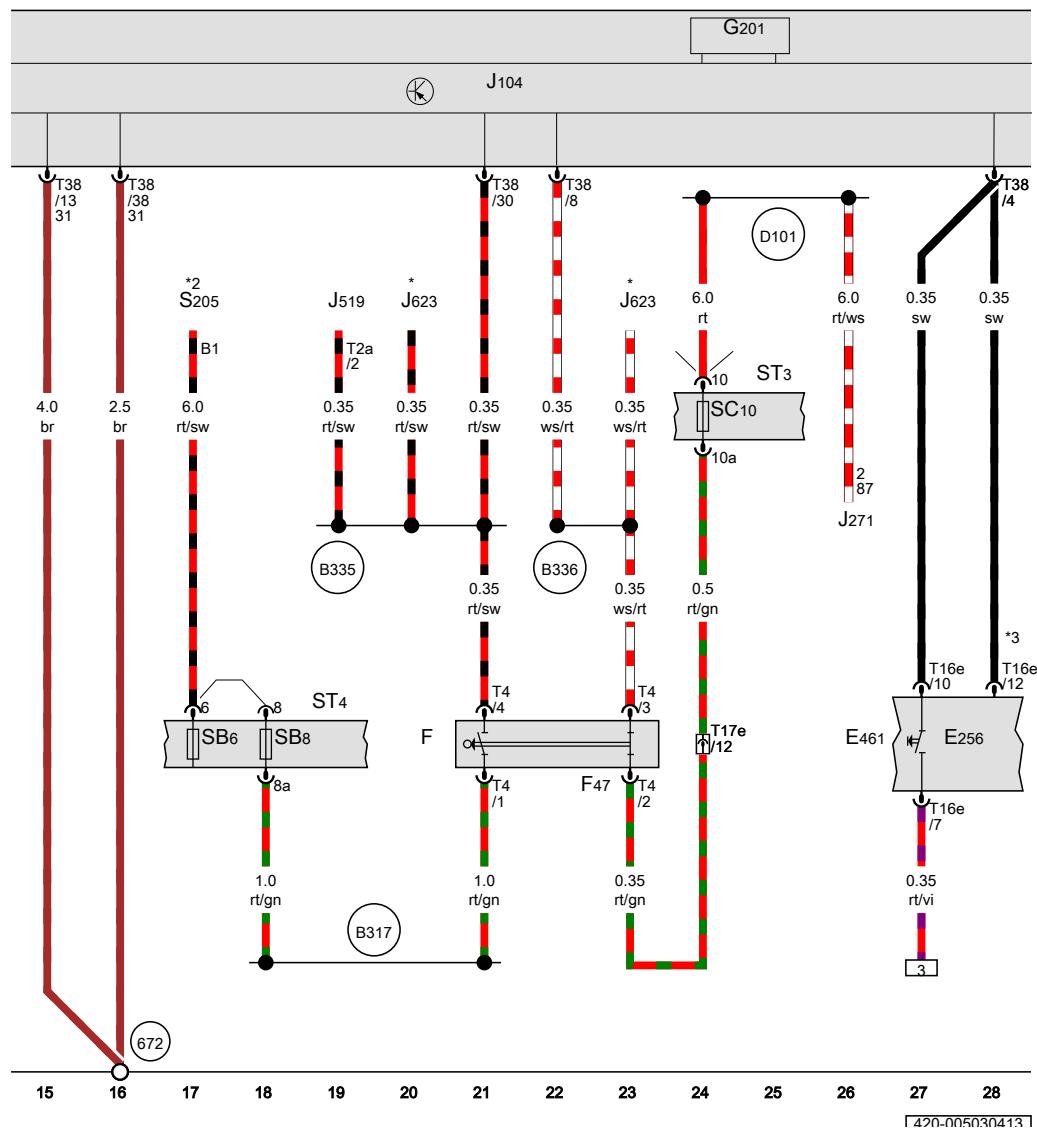
B317) Positive connection 3 (Soa) (in main wiring ha
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(B335) Connection 54 (in main wiring harness) 1

B336 Connection 54 (in main wiring harness) 2

D101 Connection 1 (in engine compartment wiring harness)

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



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
- T17a 17-pin connector, Inside the center console connector station on the right side, black
- T38 38-pin connector, gray

- B510 Right rear speed sensor connection 1 (in interior wiring harness)

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- B511 Right rear speed sensor connection 2 (in interior wiring harness)

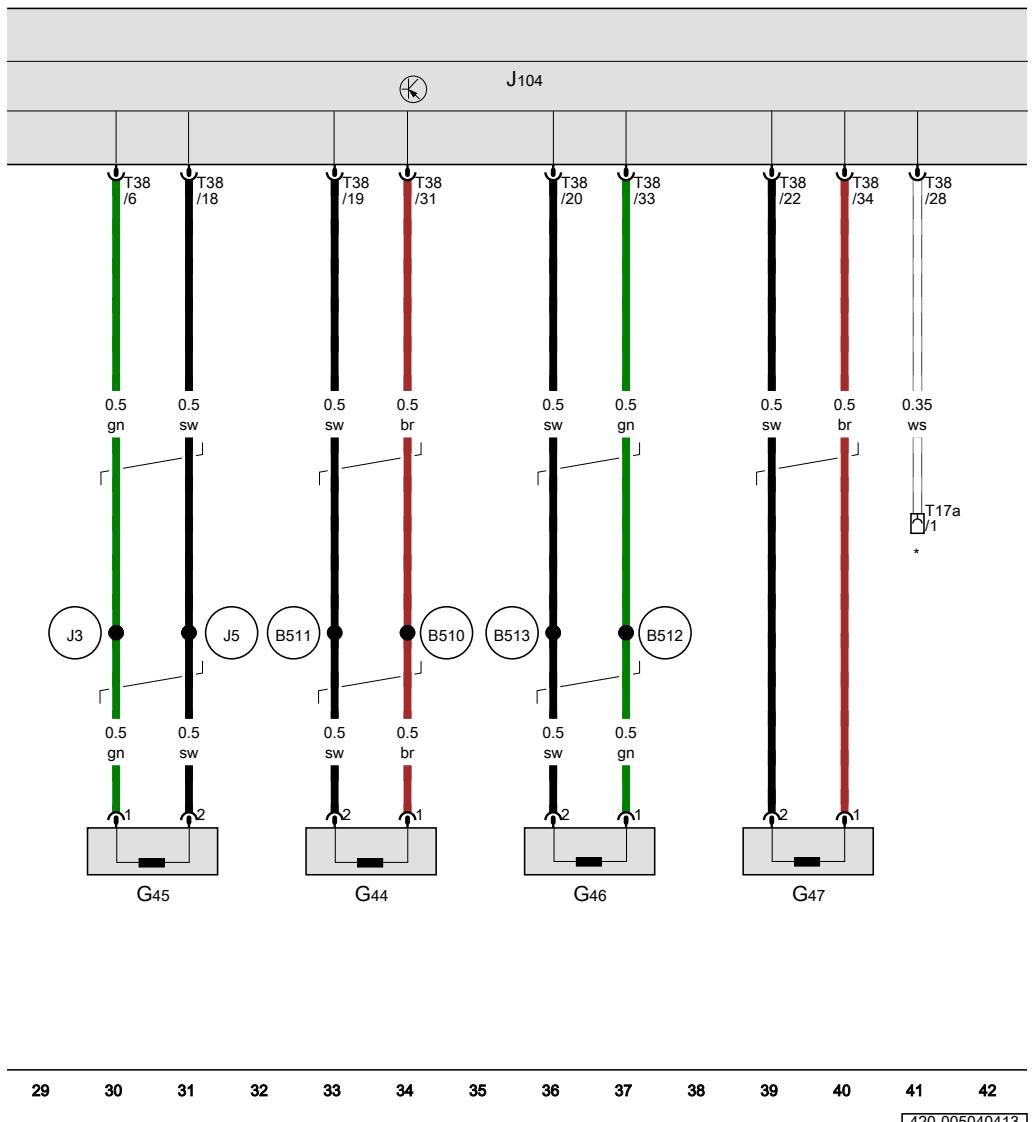
- B512 Left rear speed sensor connection 1 (in interior wiring harness)

- B513 Left rear speed sensor connection 2 (in interior wiring harness)

- J3 Connection 1 (in ABS wiring harness)

- J5 Connection 2 (in ABS wiring harness)

* Speed signal output for retrofitted 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

ESP sensor unit, ABS control module, ABS hydraulic unit

G200 Transverse acceleration sensor
 G202 Rotation rate sensor
 G251 Longitudinal acceleration sensor
 G419 ESP sensor unit
 J104 ABS control module
 N55 ABS hydraulic unit
 N99 Right front ABS inlet valve
 N100 Right front ABS outlet valve
 N101 Left front ABS inlet valve
 N102 Left front ABS outlet valve
 N133 Right rear ABS inlet valve
 N134 Left rear ABS inlet valve
 N135 Right rear ABS outlet valve
 N136 Left rear ABS outlet valve

N225 Driving dynamics regulation switch valve 1
 N226 Driving dynamics regulation switch valve 2
 N227 Driving dynamics regulation high pressure switch valve 1
 N228 Driving dynamics regulation high pressure switch valve 2

T38 38-pin connector, gray
 379 Ground connection 14 (in main wiring harness)
 380 Ground connection 15 (in main wiring harness)

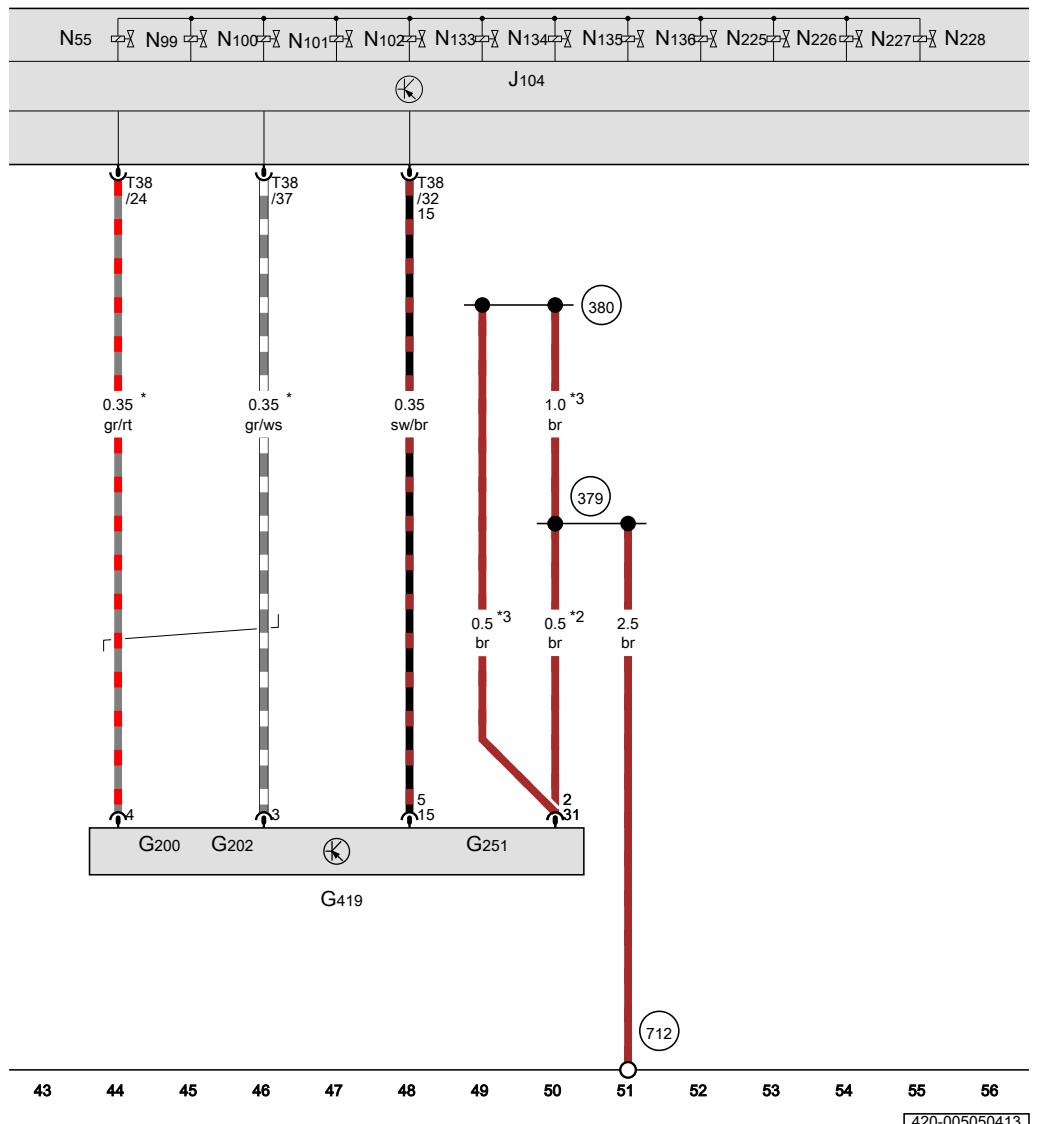
712 Ground connection under rear shelf, left

* Data bus wire (CAN bus)

*2 from June 2007

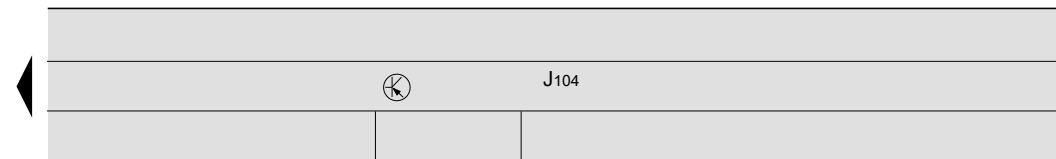
*3 Through May 2007

| | |
|----|----------|
| 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 |



ABS control module

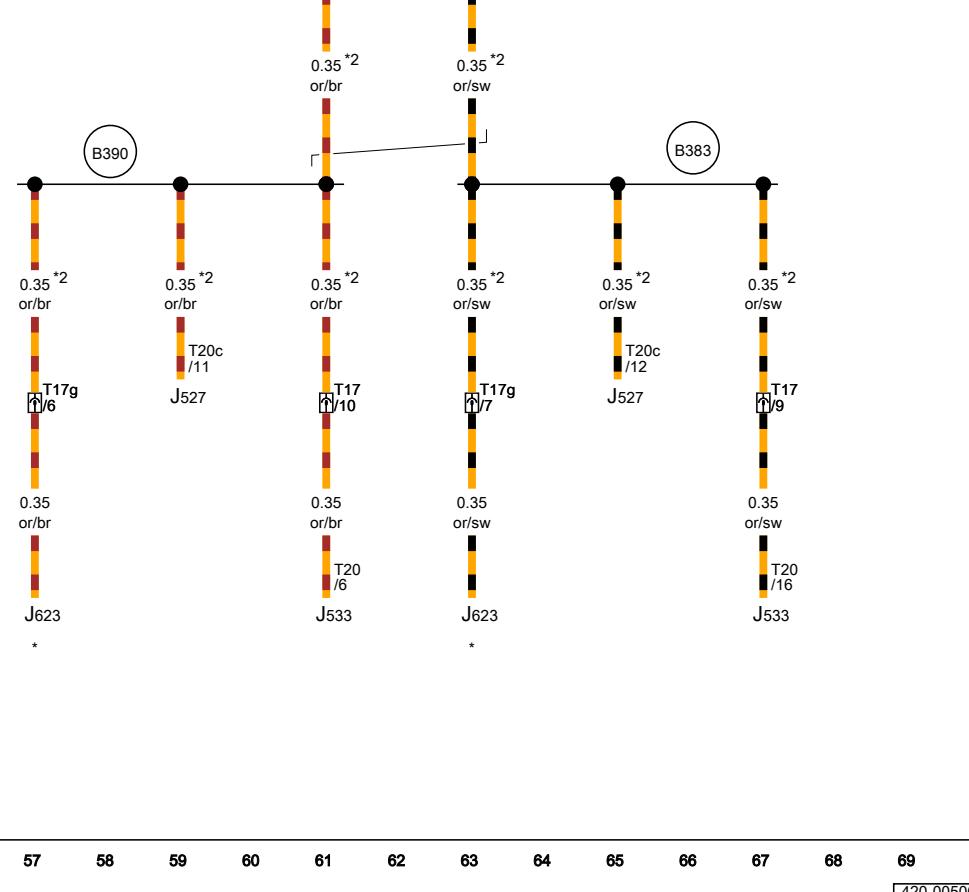
- J104 ABS control module
J527 Steering column electronics control module
J533 Data bus on board diagnostic interface
J623 Engine control module
T17 17-pin connector, Inside the center console connector station on the right side, red
T17g 17-pin connector, Connector station under the rear shelf, right, black
T20 20-pin connector, red
T20c 20-pin connector
T38 38-pin connector, gray
B383 Powertrain CAN bus high connection 1 (in main wiring harness)



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* Refer to applicable engine wiring diagram

*2 Data bus wire (CAN bus)



| | |
|----|----------|
| 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 |

F420-00000604131

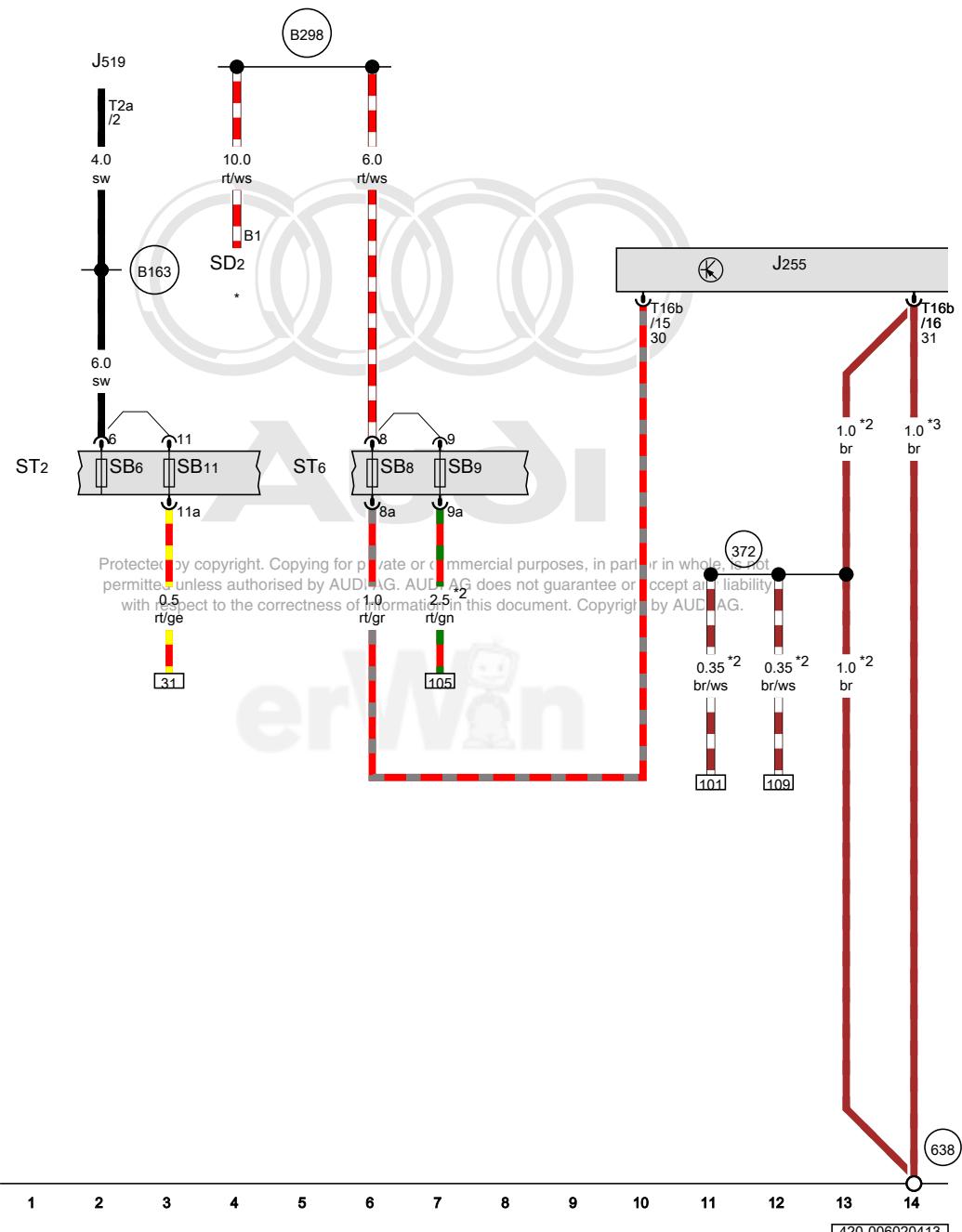
Air conditioning system

from May 2006



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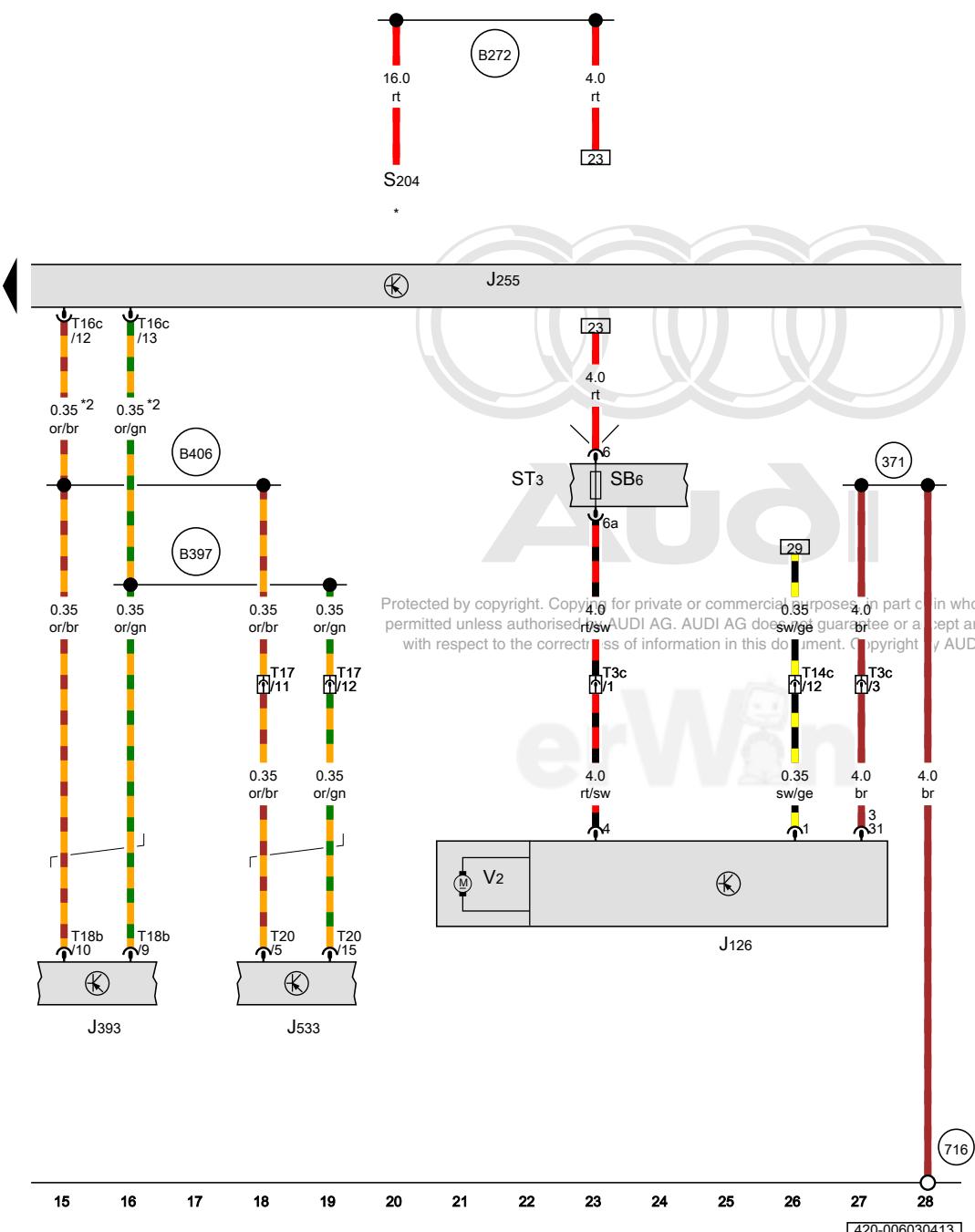


Climatronic control module

- J255 Climatronic control module
- J519 Vehicle electrical system control module
- SD2 Fuse 2 (on fuse panel D)
- ST2 Fuse panel 2
- ST6 Fuse panel 6
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- T2a Double connector, black
- T16b 16-pin connector, black
- 372 Ground connection 7 (in main wiring harness)
- 638 Ground connection on right A-pillar
- B163 Positive connection 1 (15) (in interior wiring harness)
- B298 Positive connection 2 (30) (in main wiring harness)

* Main fuse box in the right front footwell
 *² Only for vehicles with an auxiliary heater
 *³ Only for vehicles without heated seats

| | |
|----|----------|
| 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 |


Fresh air blower control module, Climatronic control module, Fuse 6 (on fuse panel B), Fresh air blower

- J126 Fresh air blower control module
- J255 Climatronic control module
- J393 Comfort system central control module
- J533 Data bus on board diagnostic interface
- ST3 Fuse panel 3
- SB6 Fuse 6 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- T3c 3-pin connector, near the right headlamp, black
- T14c 14-pin connector, near the right headlamp, black
- T16c 16-pin connector, brown
- T17 17-pin connector, Inside the center console connector station on the right side, red
- T18b 18-pin connector, brown
- T20 20-pin connector, red
- V2 Fresh air blower
- 371 Ground connection 6 (in main wiring harness)
- 716 Ground connection on right crossmember
- B272 Positive connection (30) (in main wiring harness)
- B397 Comfort system CAN bus high connection 1 (in main wiring harness)
- B406 Comfort system CAN bus low connection 1 (in main wiring harness)
- * Main distribution in the right front footwell
- *² Data bus wire (CAN bus)

| | |
|----|----------|
| 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 |

A/C pressure/temperature sensor, Climatronic control module, Left heat regulating valve, Right heat regulating valve, A/C compressor regulator valve

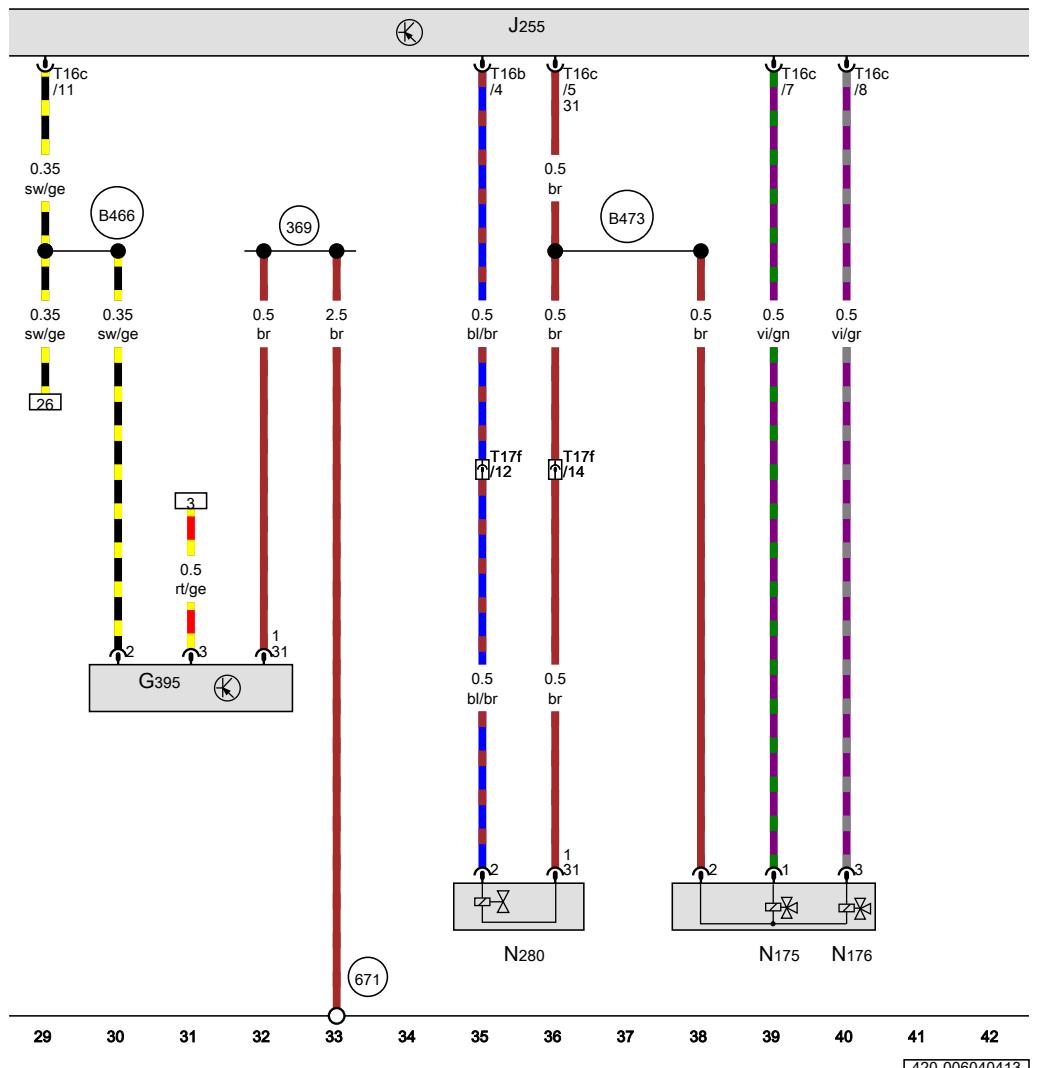
G395 A/C pressure/temperature sensor
J255 Climatronic control module
N175 Left heat regulating valve
N176 Right heat regulating valve
N280 A/C compressor regulator valve
T16b 16-pin connector, black
T16c 16-pin connector, brown
T17f 17-pin connector, Connector station under the rear shelf, right, white

369 Ground connection 4 (in main wiring harness)

671 Ground connection 1 on left front longitudinal member

B466 Connection 2 (in main wiring harness)

B473 Connection 9 (in main wiring harness)



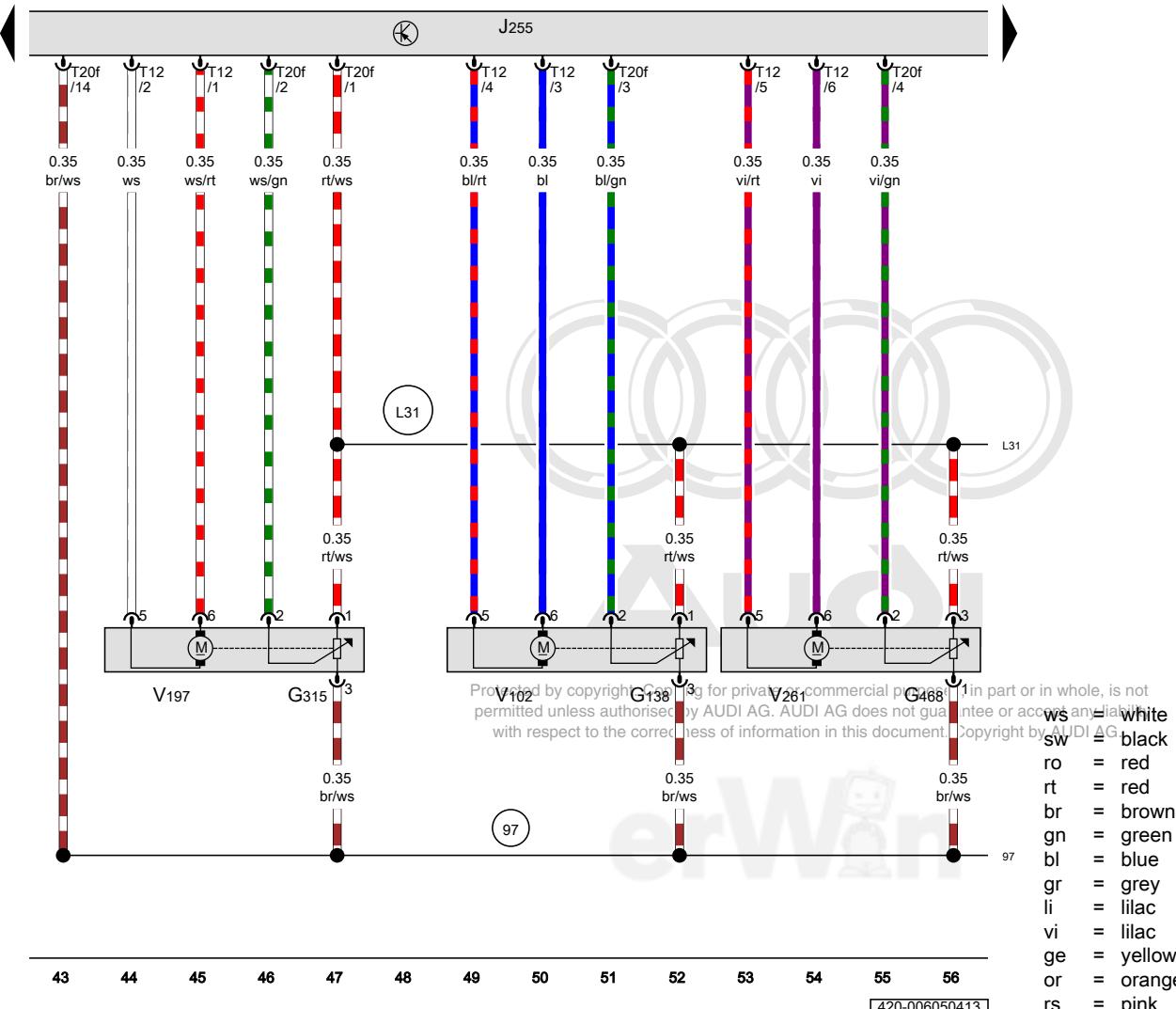
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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink



Climatronic control module, Center vent adjustment motor,
Front cold air door motor, Footwell door motor

- G138 Center vent motor position sensor
- G315 Front cold air door motor position sensor
- G468 Footwell door motor position sensor
- J255 Climatronic control module
- T12 12-pin connector
- T20f 20-pin connector
- V102 Center vent adjustment motor
- V197 Front cold air door motor
- V261 Footwell door motor
- (97) Ground connection 1 (in A/C wiring harness)
- (L31) Connection (5 Volt) (in A/C system wiring harness)



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Left vent temperature sensor, Evaporator vent temperature sensor, Climatronic control module, Defroster door motor, Side vent motor

G135 Defroster door motor position sensor

G150 Left vent temperature sensor

G151 Right vent temperature sensor

G263 Evaporator vent temperature sensor

G548 Side vent motors position sensor

J255 Climatronic control module

T12 12-pin connector

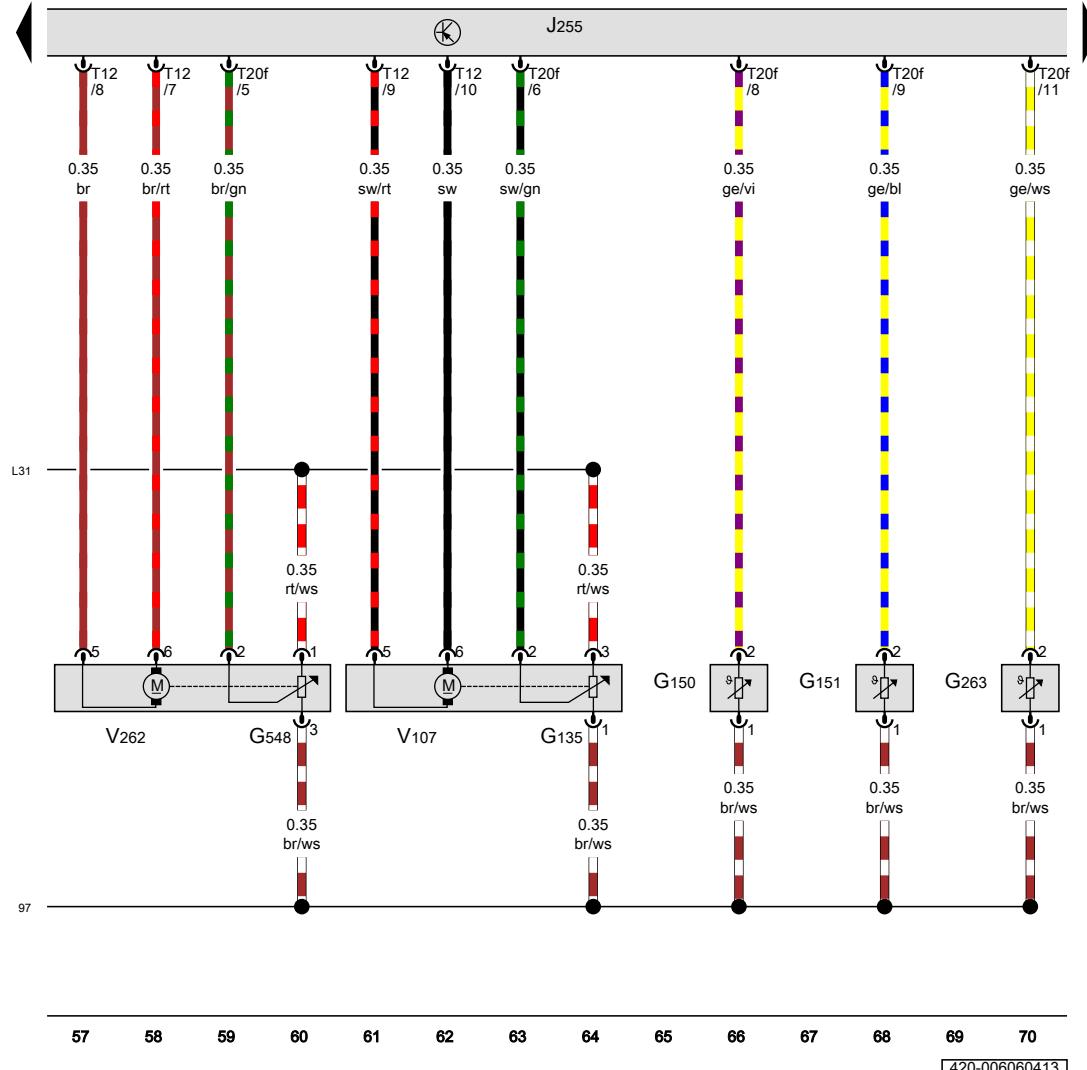
T20f 20-pin connector

V107 Defroster door motor

V262 Side vent motor

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

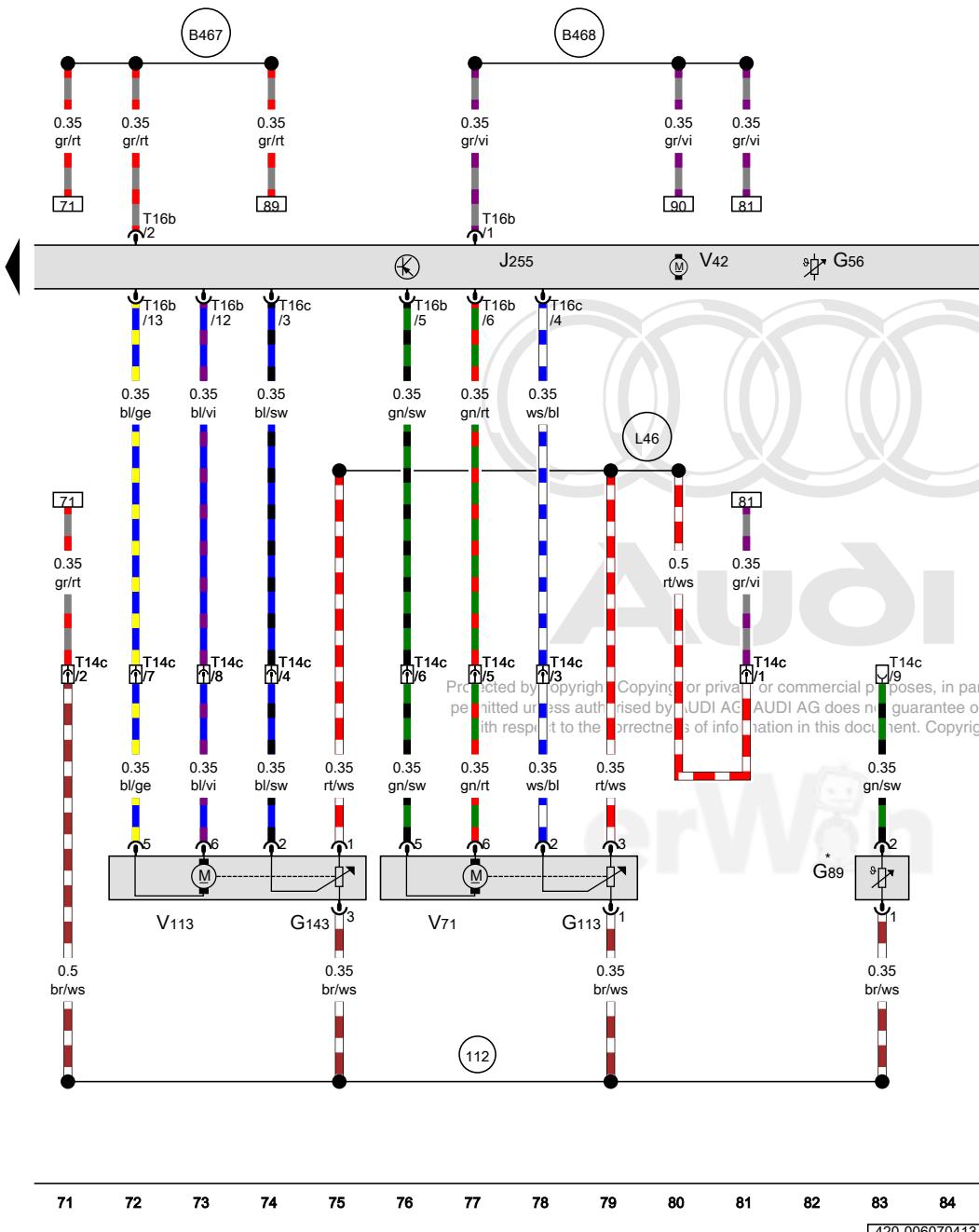
(L31) Connection (5 Volt) (in A/C system wiring harness)



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

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Fresh air intake duct temperature sensor, Climatronic control module, Airflow door motor, Recirculation door motor

G56 Instrument panel temperature sensor
 G89 Fresh air intake duct temperature sensor
 G113 Back pressure door motor position sensor
 G143 Recirculation door motor position sensor
 J255 Climatronic control module
 T14c 14-pin connector, near the right headlamp, black
 T16b 16-pin connector, black
 T16c 16-pin connector, brown

V42 Interior temperature sensor fan
 V71 Airflow door motor
 V113 Recirculation door motor

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

B467 Connection 3 (in main wiring harness)

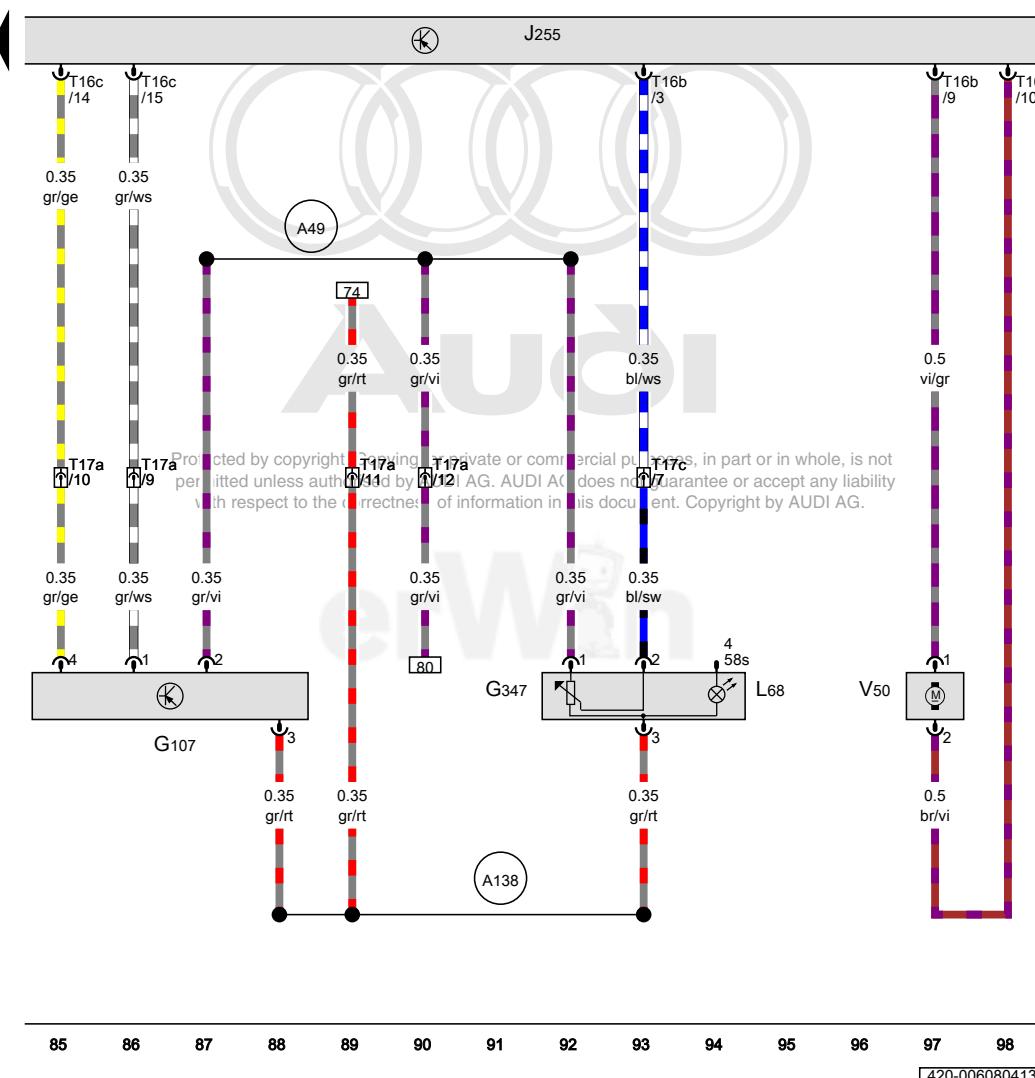
B468 Connection 4 (in main wiring harness)

L46 Connection (5 Volt) (in Climatronic controls wiring harness)

* If available

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

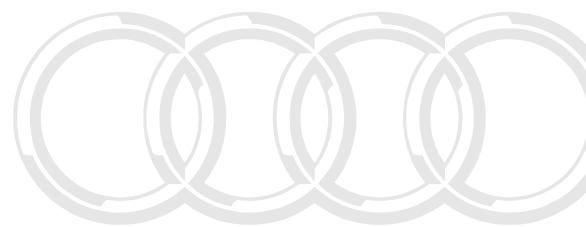
Sunlight photo sensor, Left center air vent sensor,
Climatronic control module, Coolant recirculation pump



- G107 Sunlight photo sensor
 G347 Left center air vent sensor
 J255 Climatronic control module
 L68 Center instrument panel vent illumination bulb
 T16b 16-pin connector, black
 T16c 16-pin connector, brown
 T17a 17-pin connector, Inside the center console connector station on the right side, black
 T17c 17-pin connector, Inside the center console connector station on the right side, blue
 V50 Coolant recirculation pump
 A49 Connection 1 (in instrument panel wiring harness)
 A138 Connection 2 (in instrument panel wiring harness)

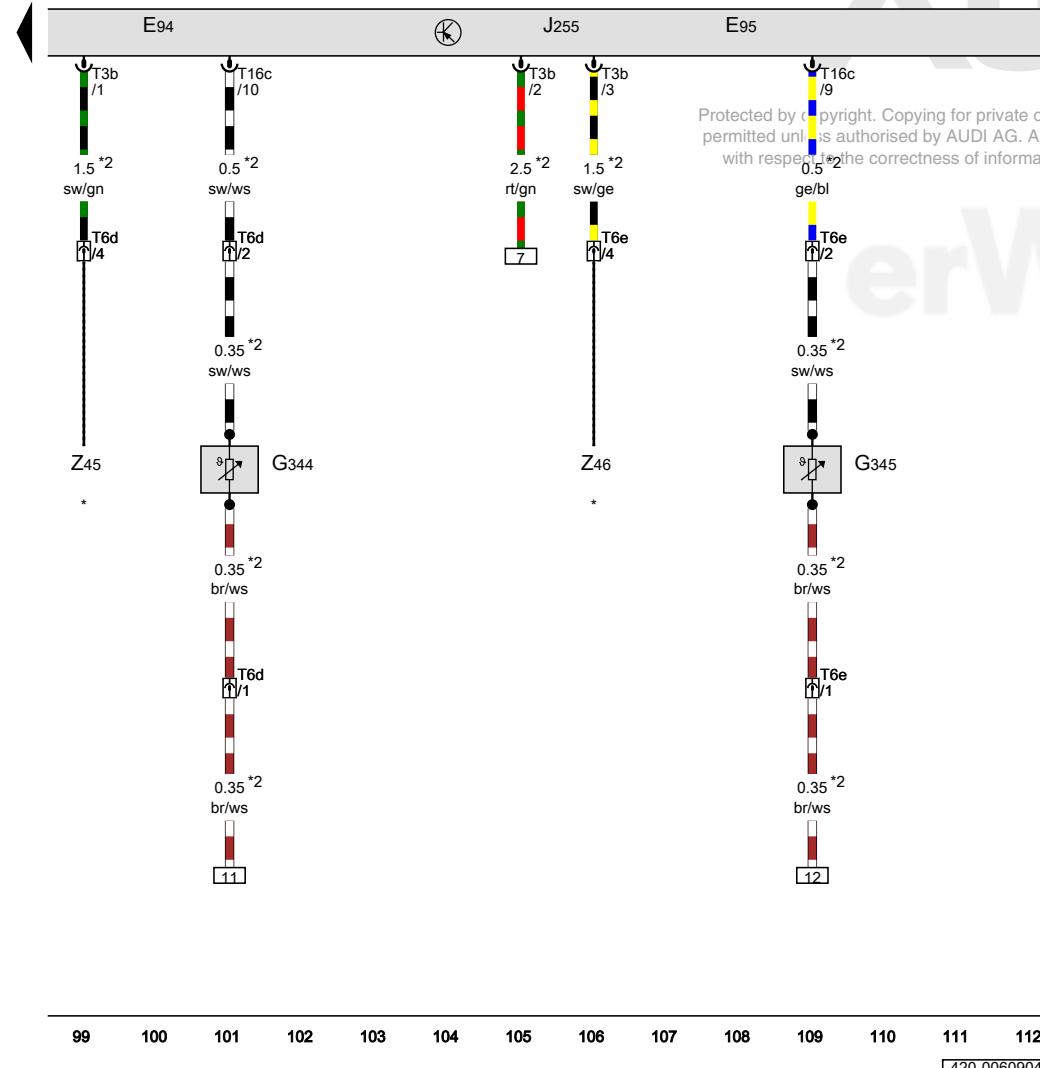
| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

F420-000600804131


Left front seat temperature sensor, Right front seat temperature sensor, Climatronic control module

- E94 Heated driver seat adjuster
 E95 Heated front passenger seat adjuster
 G344 Left front seat temperature sensor
 G345 Right front seat temperature sensor
 J255 Climatronic control module
 T3b 3-pin connector, black
 T6d 6-pin connector, under the driver seat, green
 T6e 6-pin connector, under the front passenger seat, green
 T16c 16-pin connector, brown
 Z45 Left front seat heating element
 Z46 Right front seat heating element
 * Refer to the applicable heated seats wiring diagram
 *2 Only for vehicles with an auxiliary heater

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 sw = black
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 rs = pink

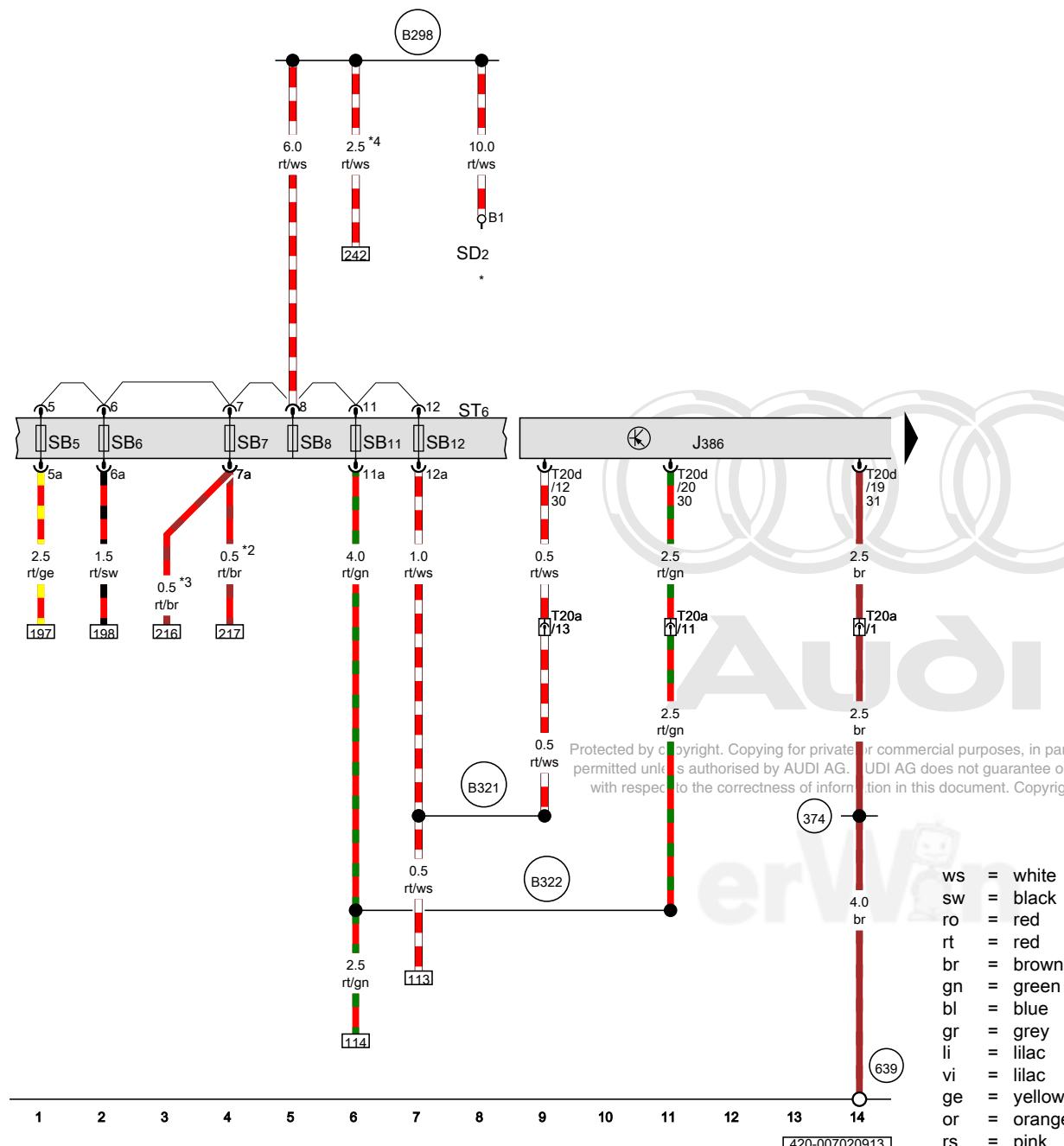
Convenience system

from May 2006



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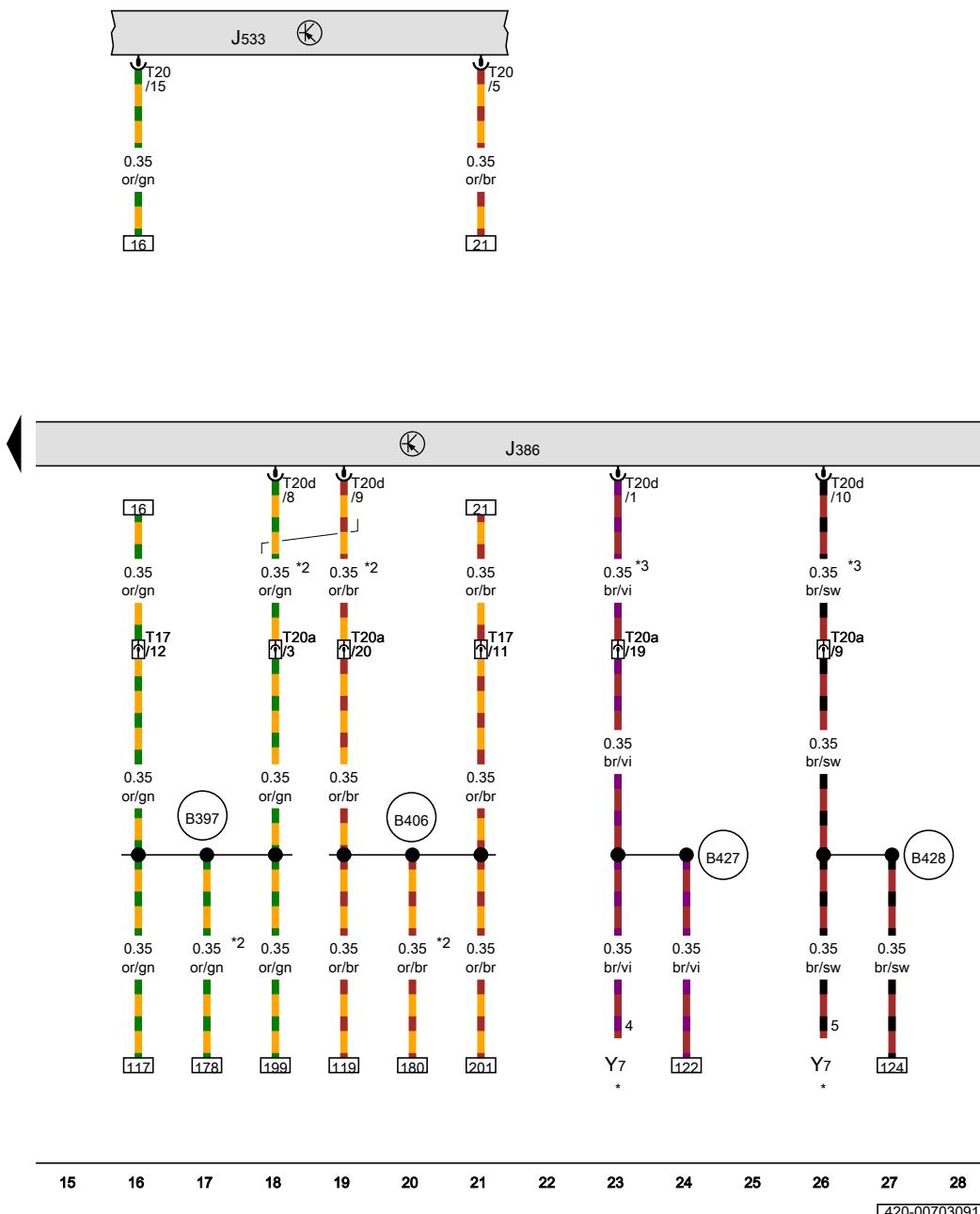



Driver door control module

- J386 Driver door control module
- SD2 Fuse 2 (on fuse panel D)
- SB5 Fuse 5 (on fuse panel B)
- ST6 Fuse panel 6
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (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)
- T20a 20-pin connector, in the left front door, black
- T20d 20-pin connector, black
- (374) Ground connection 9 (in main wiring harness)
- (639) Ground connection on left A-pillar
- (B298) Positive connection 2 (30) (in main wiring harness)
- (B321) Positive connection 7 (30a) (in main wiring harness)
- (B322) Positive connection 8 (30a) (in main wiring harness)

* Main fuse box in the right front footwell
 *² Only for vehicles with interior monitoring
 *³ Anti-theft alarm system without interior monitoring
 *⁴ from September 2008

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Driver door control module

- J386 Driver door control module
 J533 Data bus on board diagnostic interface
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T20 20-pin connector
 T20a 20-pin connector, in the left front door, black
 T20d 20-pin connector, black
 Y7 Automatic dimming interior rearview mirror
 (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
 (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
 (B427) Mirror auto-dimming signal connection 1 (in main wiring harness)
 (B428) Mirror auto-dimming signal connection 2 (in main wiring harness)
- * Refer to applicable standard equipment wiring diagram
 *2 Data bus wire (CAN bus)
 *3 Only for vehicles with automatic dimming interior rearview mirror



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Driver door control module, Central locking -SAFE- indicator lamp

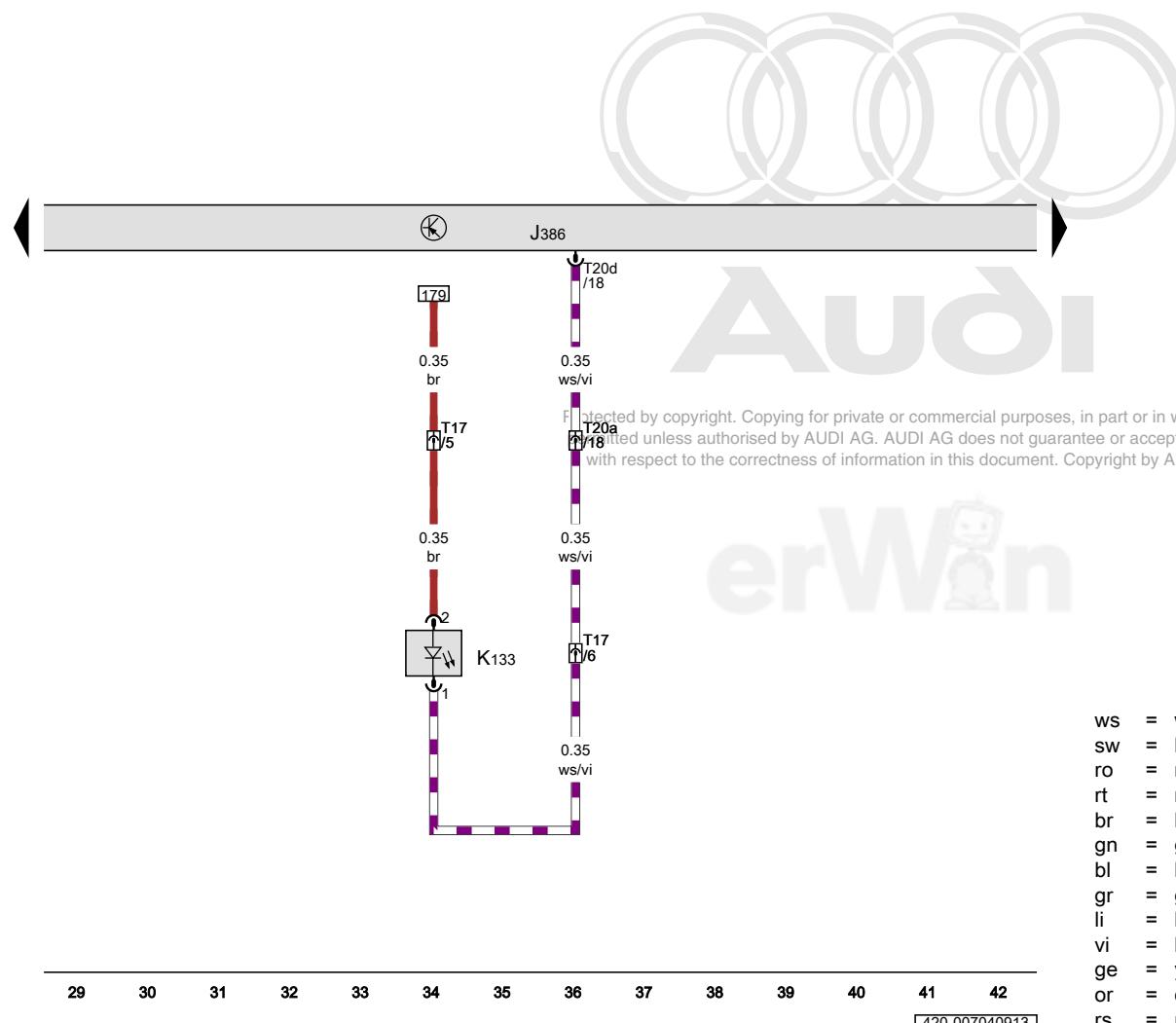
J386 Driver door control module

K133 Central locking -SAFE- indicator lamp

T17 17-pin connector, Inside the center console connector station on the right side, red

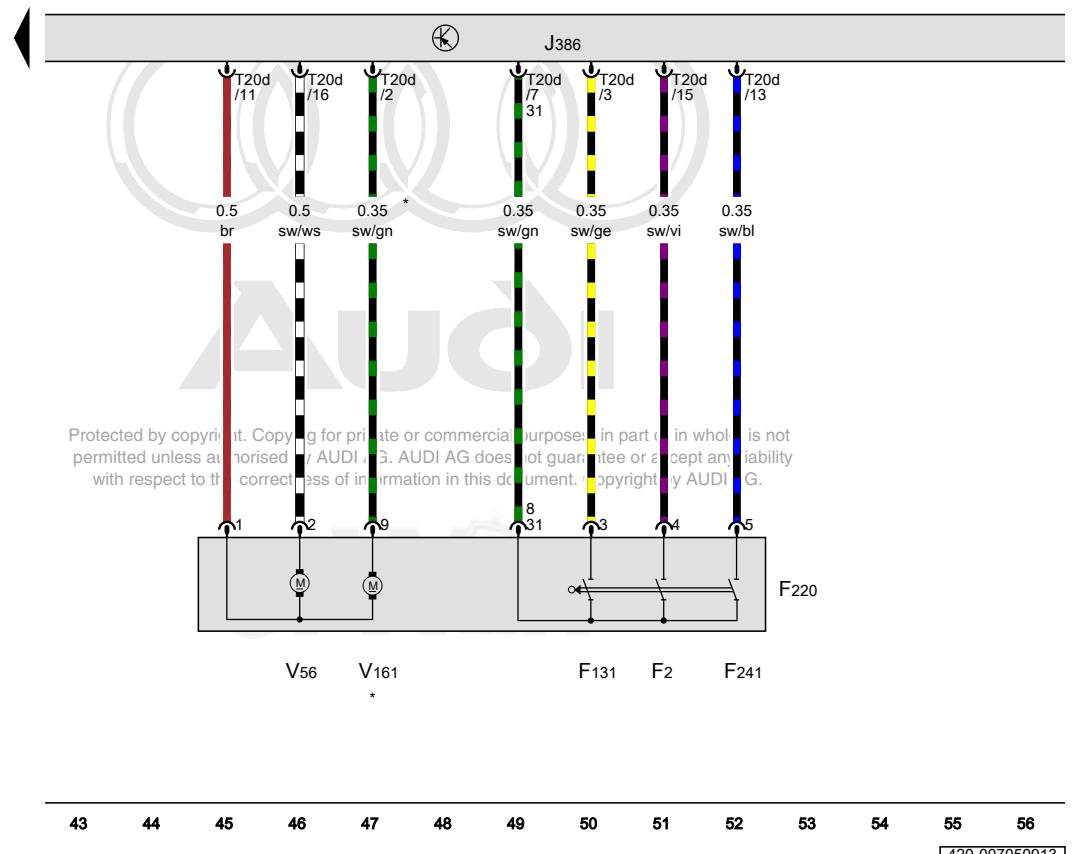
T20a 20-pin connector, in the left front door, black

T20d 20-pin connector, black

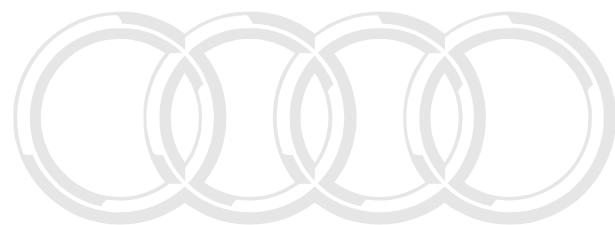


Driver central locking lock unit, Driver door control module

- F2 Driver door contact switch
- F131 Left front central locking system actuator
- F220 Driver central locking lock unit
- F241 Driver lock cylinder contact switch
- J386 Driver door control module
- T20d 20-pin connector, black
- V56 Driver door central locking system motor
- V161 Driver door central locking -SAFE- motor
- * Not for USA



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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 |



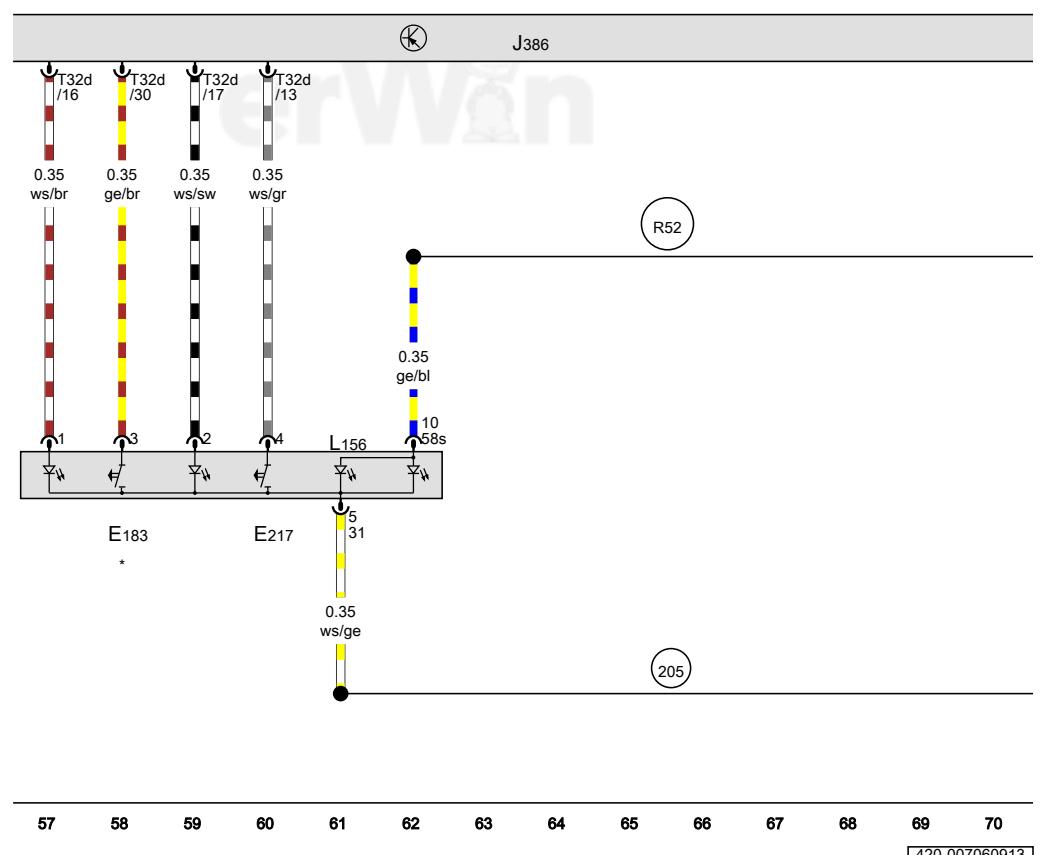
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Alarm system deactivation switch, Driver door control module

- E183 Interior monitoring switch
- E217 Alarm system deactivation switch
- J386 Driver door control module
- L156 Switch illumination bulb
- T32d 32-pin connector, gray
- (205) Ground connection (in driver door wiring harness)
- (R52) Connection 58s (in driver door wiring harness)

* Not for USA



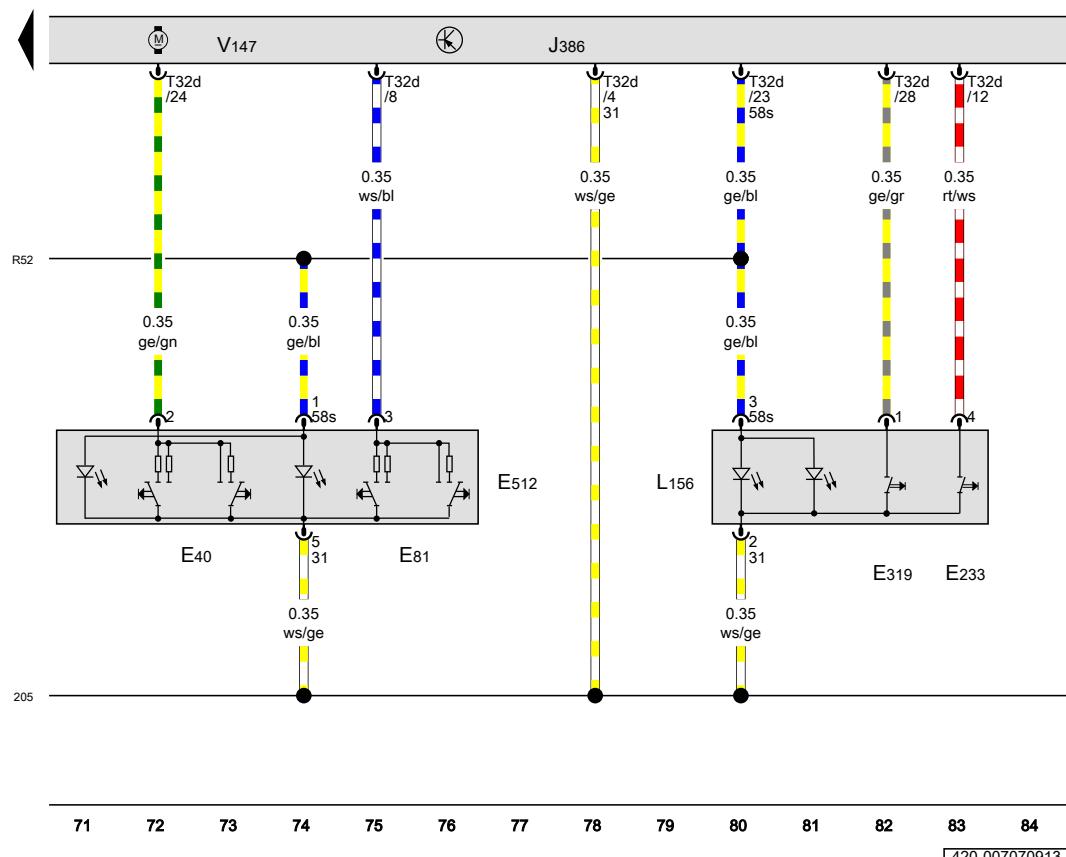
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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Rear lid remote release button, Fuel filler door release button, Power window control head in driver door, Driver door control module, Driver window regulator motor

- E40 Left front window regulator switch
- E81 Right front power window switch in driver door
- E233 Rear lid remote release button
- E319 Fuel filler door release button
- E512 Power window control head in driver door
- J386 Driver door control module
- L156 Switch illumination bulb
- T32d 32-pin connector, gray
- V147 Driver window regulator motor

(205) Ground connection (in driver door wiring harness)

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



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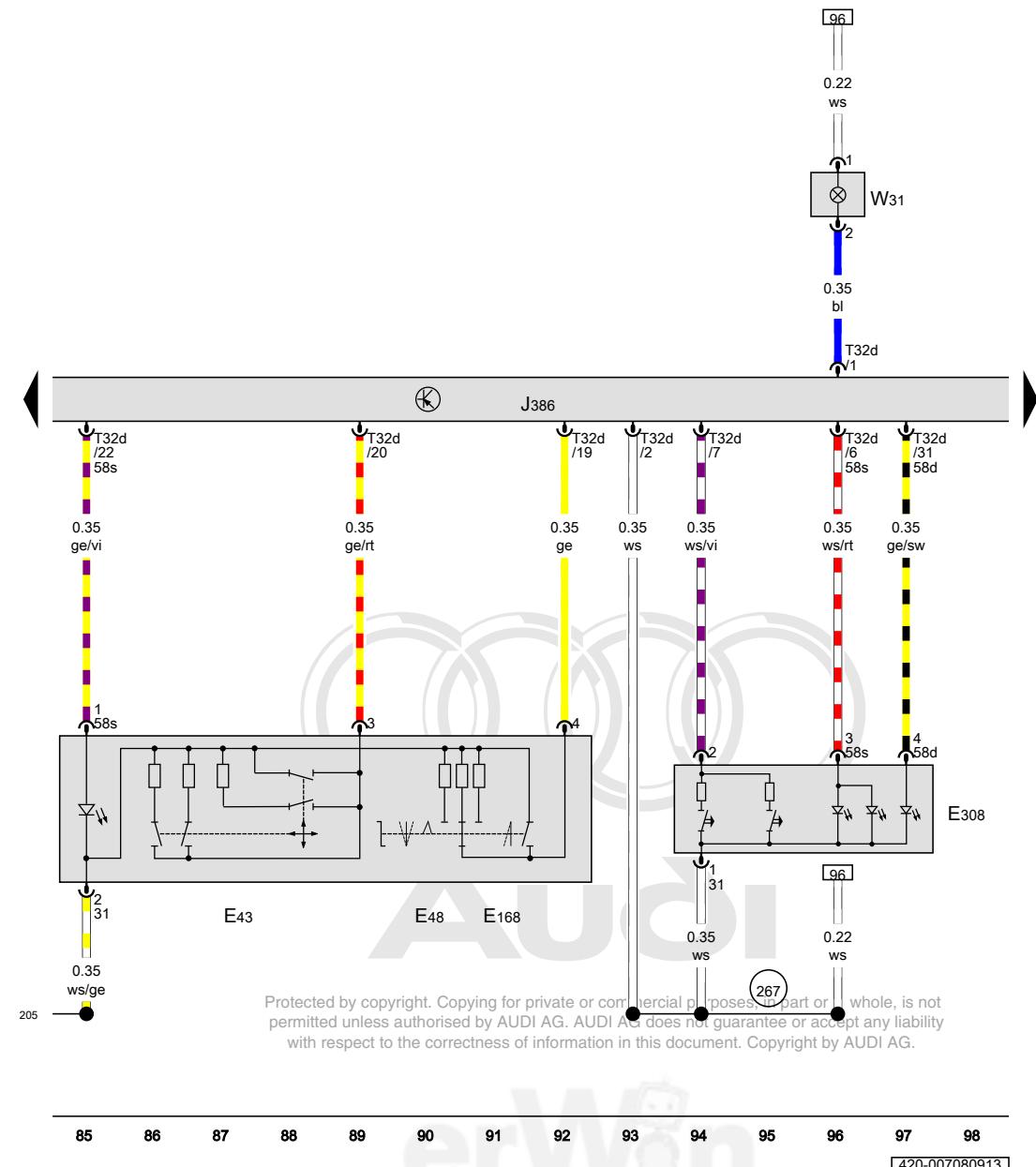
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| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Mirror adjusting switch, Driver interior locking button, Driver door control module, Left front entry lamp

E43 Mirror adjusting switch
 E48 Mirror selector switch
 E168 Folding mirror adjustment switch
 E308 Driver interior locking button
 J386 Driver door control module
 T32d 32-pin connector, gray
 W31 Left front entry lamp

(205) Ground connection (in driver door wiring harness)

(267) Ground connection 2 (in driver door wiring harness)

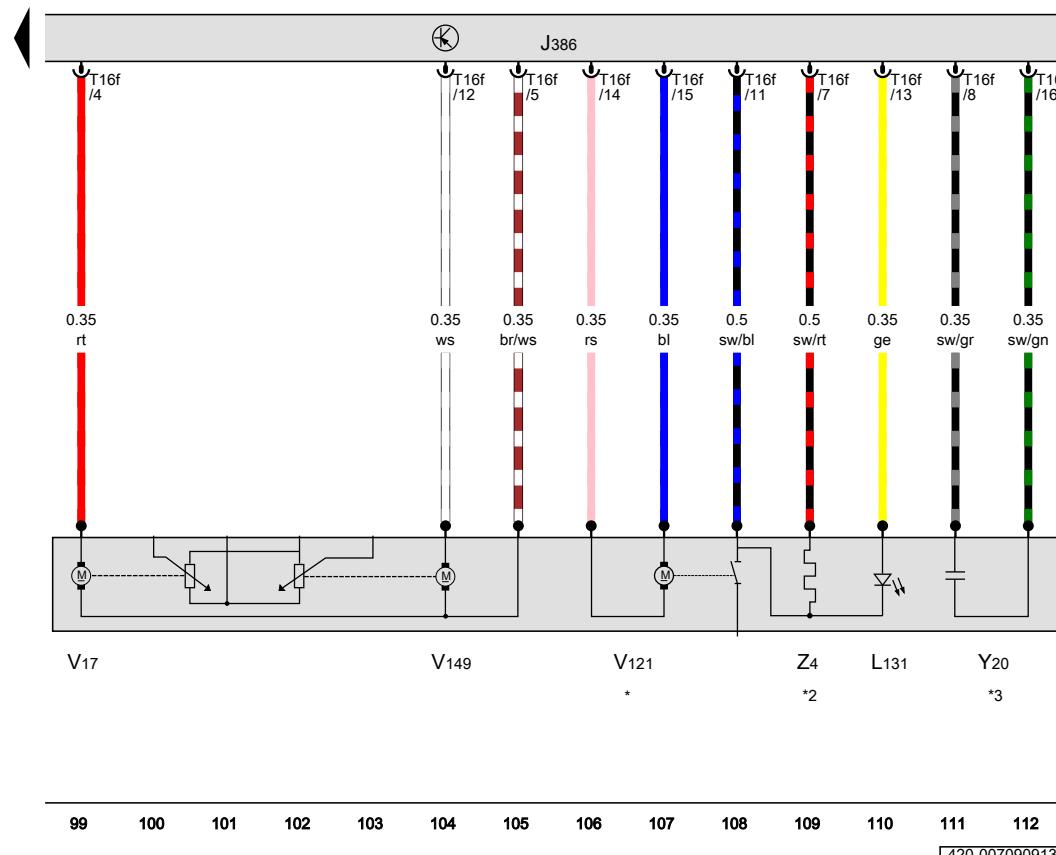


ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

Driver door control module, Driver mirror adjustment motor

| | |
|------|--|
| J386 | Driver door control module |
| L131 | Driver exterior rearview mirror turn signal bulb |
| T16f | 16-pin connector |
| V17 | Driver mirror adjustment motor |
| V121 | Driver exterior rearview mirror folding motor |
| V149 | Driver mirror adjustment motor |
| Y20 | Driver automatic dimming exterior rearview mirror |
| Z4 | Heated driver exterior rearview mirror |
| * | * Only for vehicles with folding mirrors |
| *2 | *2 Only for vehicles with heated exterior rearview mirrors |
| *3 | *3 Only for vehicles with automatic dimming exterior rearview mirror |

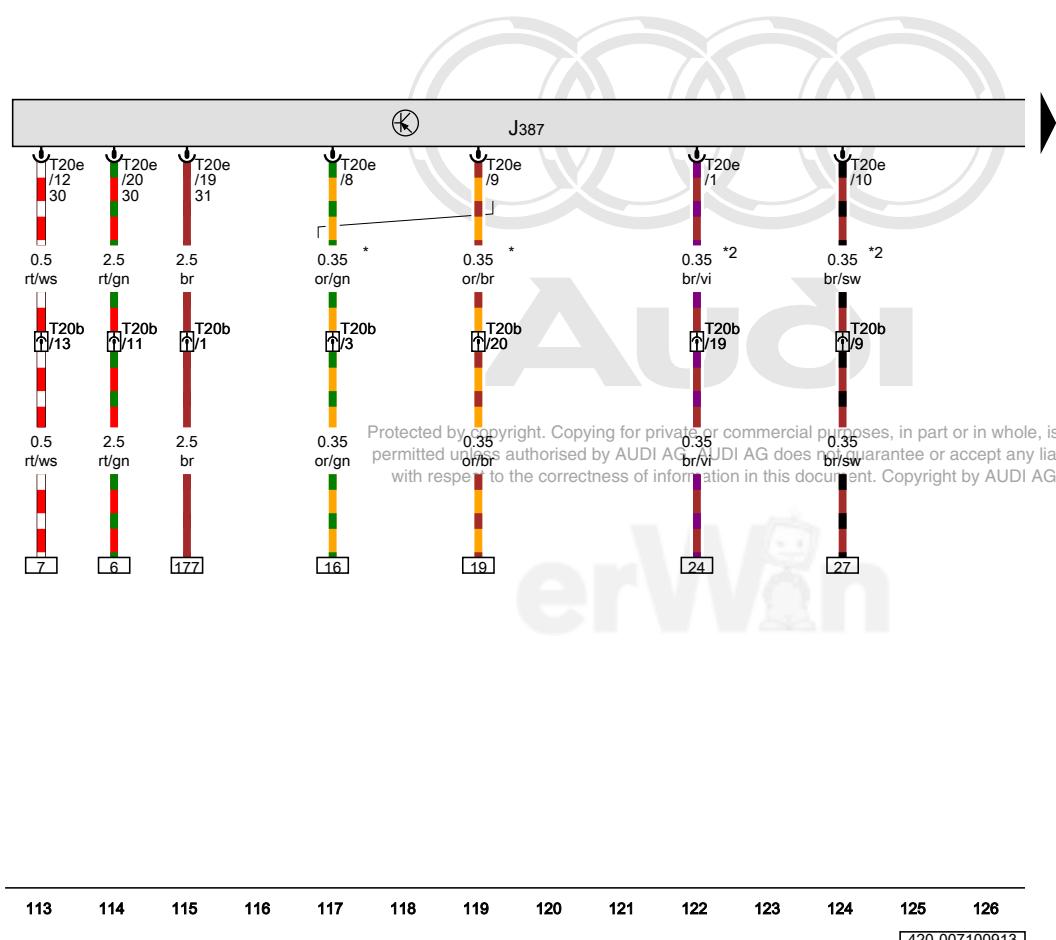
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| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Front passenger door control module

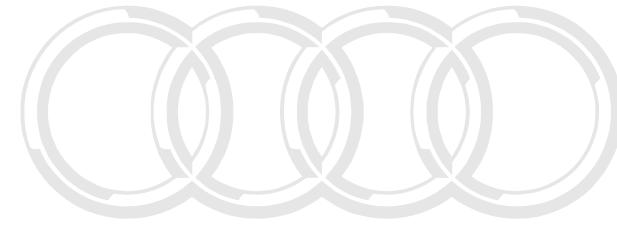
- J387 Front passenger door control module
T20b 20-pin connector, in the right front door, black
T20e 20-pin connector, black
* Data bus wire (CAN bus)
*2 Only for vehicles with automatic dimming interior rearview mirror



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

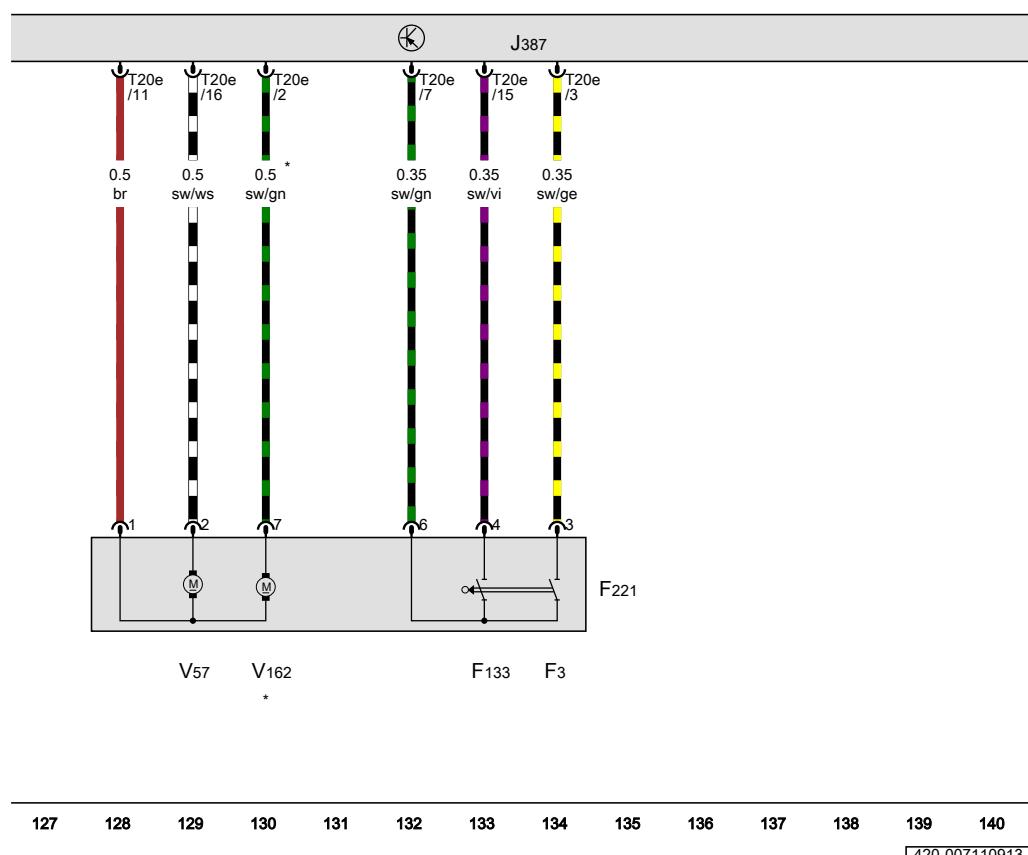
Front passenger central locking lock unit, Front passenger door control module

- F3 Front passenger door contact switch
 F133 Right front central locking system actuator
 F221 Front passenger central locking lock unit
 J387 Front passenger door control module
 T20e 20-pin connector, black
 V57 Front passenger door central locking system motor
 V162 Front passenger central locking -SAFE- motor
 * Not for USA

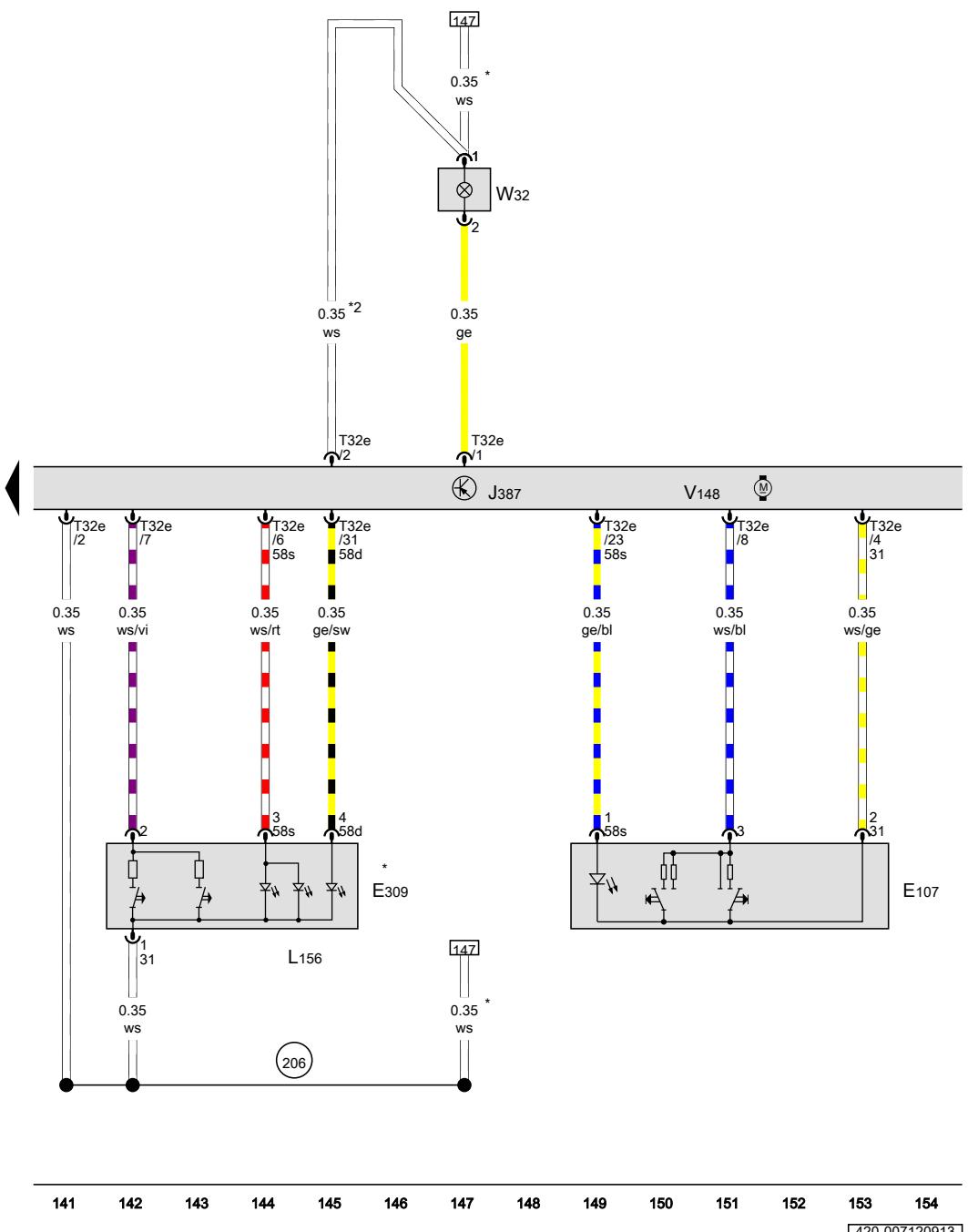


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 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink



Front passenger door window regulator switch, Front passenger interior locking button, Front passenger door control module, Right front entry lamp

E107 Front passenger door window regulator switch

E309 Front passenger interior locking button

J387 Front passenger door control module

L156 Switch illumination bulb

T32e 32-pin connector, gray

V148 Front passenger window regulator motor

W32 Right front entry lamp

(206) Ground connection (in front passenger door wiring harness)

* USA only

*2 Not for USA



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| bl | = blue |
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| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

erWin

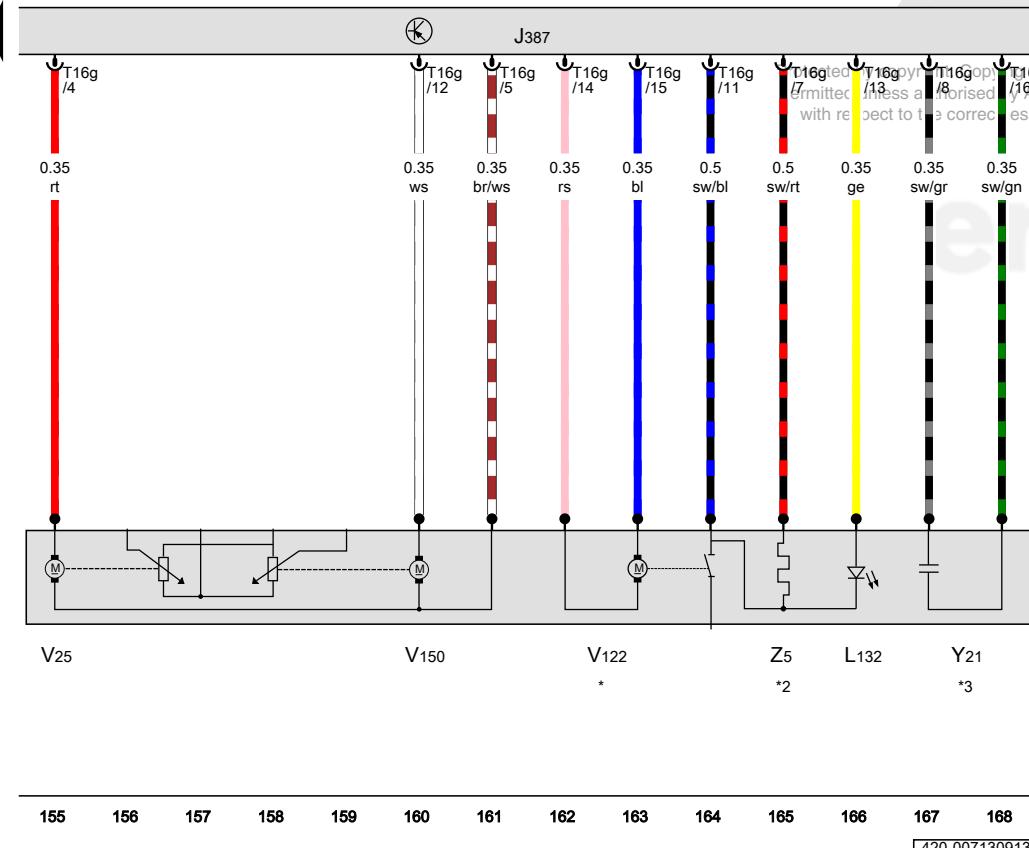
Front passenger door control module, Front passenger mirror adjustment motor, Front passenger automatic dimming exterior rearview mirror, Heated front passenger exterior rearview mirror

- J387 Front passenger door control module
- L132 Front passenger exterior rearview mirror turn signal bulb
- T16g 16-pin connector
- V25 Front passenger mirror adjustment motor
- V122 Front passenger exterior rearview mirror folding motor
- V150 Front passenger mirror adjustment motor
- Y21 Front passenger automatic dimming exterior rearview mirror
- Z5 Heated front passenger exterior rearview mirror
- * Only for vehicles with folding mirrors
- *2 Only for vehicles with heated exterior rearview mirrors
- *3 Only for vehicles with automatic dimming exterior rearview mirror



Audi

erWin



Vehicle electrical system control module

J519 Vehicle electrical system control module
SB1 Fuse 1 (on fuse panel B)

ST3 Fuse panel 3

SB3 Fuse 3 (on fuse panel B)

SD4 Fuse 4 (on fuse panel D)

SB4 Fuse 4 (on fuse panel B)

S204 Fuse 1 (terminal 30)

T2p Double connector, black

T6a 6-pin connector, black

T8a 8-pin connector, black

T11a 11-pin connector, black

T11b 11-pin connector, brown

T12a 12-pin connector, black

375 Ground connection 10 (in main wiring harness)

376 Ground connection 11 (in main wiring harness)

378 Ground connection 13 (in main wiring harness)

638 Ground connection on right A-pillar

716 Ground connection on right crossmember

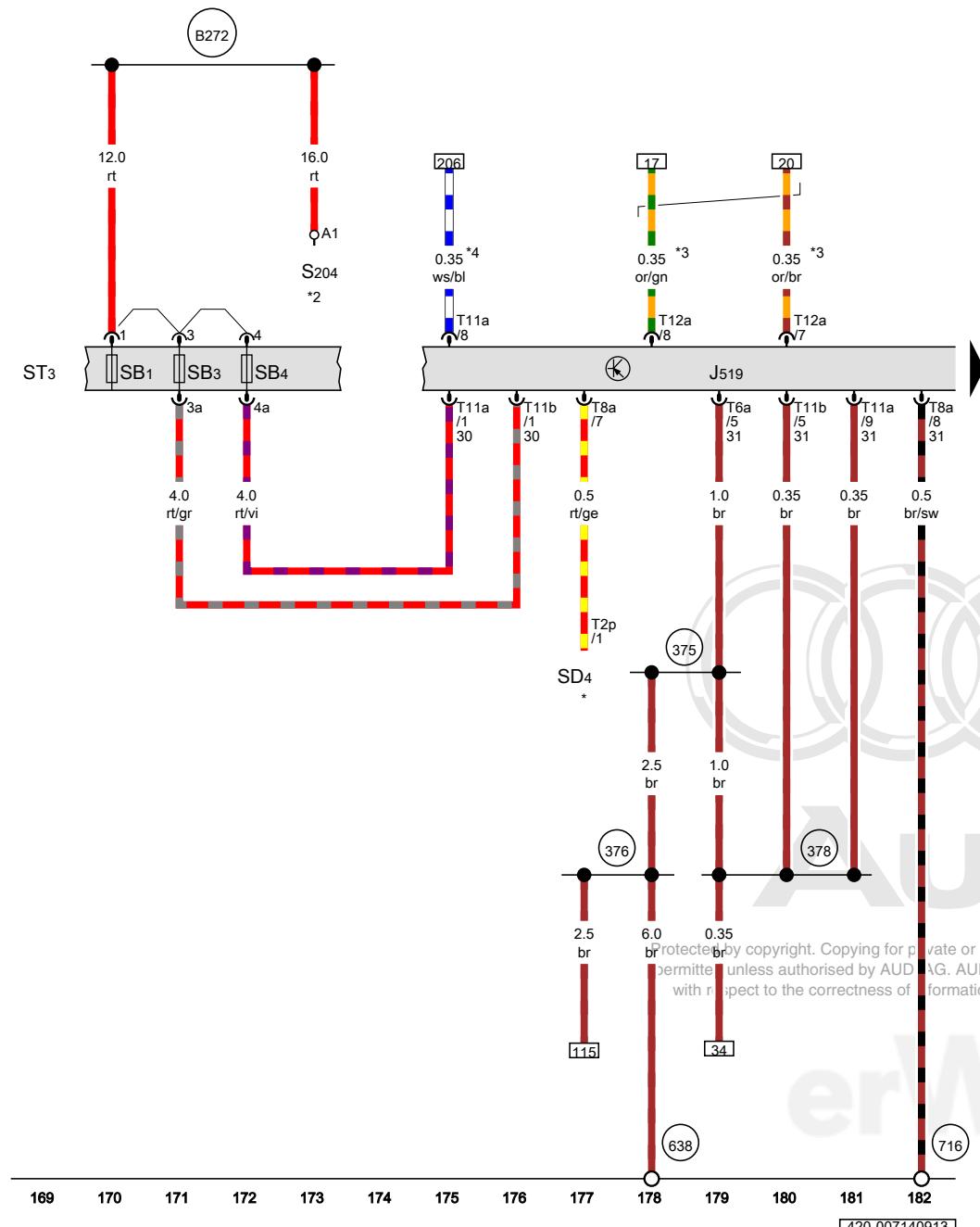
B272 Positive connection (30) (in main wiring harness)

* Main fuse box in the right front footwell

*2 Main distribution in the right front footwell

*3 Data bus wire (CAN bus)

*4 USA only



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br = black

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rt = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

vi = lilac

ge = yellow

or = orange

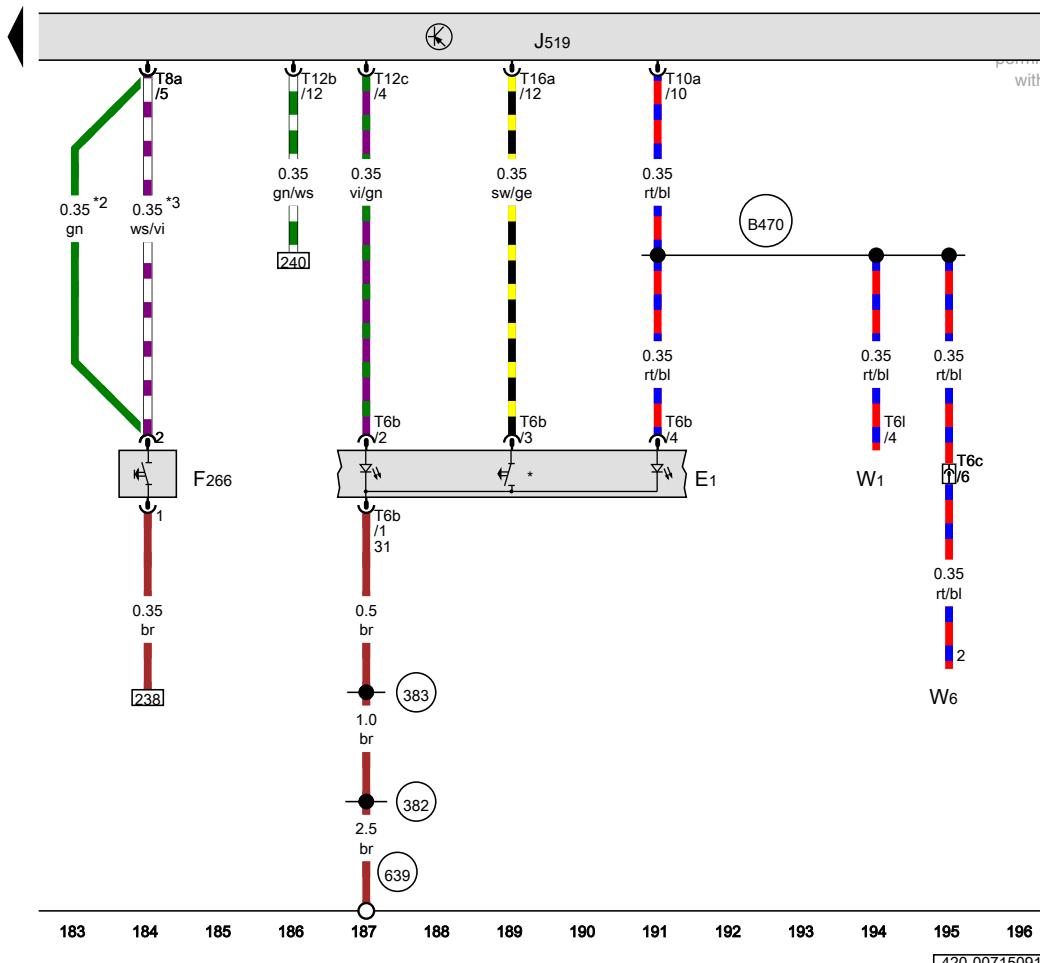
rs = pink

169 170 171 172 173 174 175 176 177 178 179 180 181 182

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Light switch, Engine hood contact switch, Vehicle electrical system control module

- E1 Light switch
- F266 Engine hood contact switch
- J519 Vehicle electrical system control module
- T6b 6-pin connector, black
- T6c 6-pin connector, behind the glove compartment, black
- T6l 6-pin connector
- T8a 8-pin connector, black
- T10a 10-pin connector, black
- T12b 12-pin connector, black
- T12c 12-pin connector, brown
- T16a 16-pin connector, black
- W1 Front interior lamp
- W6 Glove compartment lamp



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382 Ground connection 17 (in main wiring harness)

639 Ground connection on left A-pillar

B470 Connection 6 (in main wiring harness)

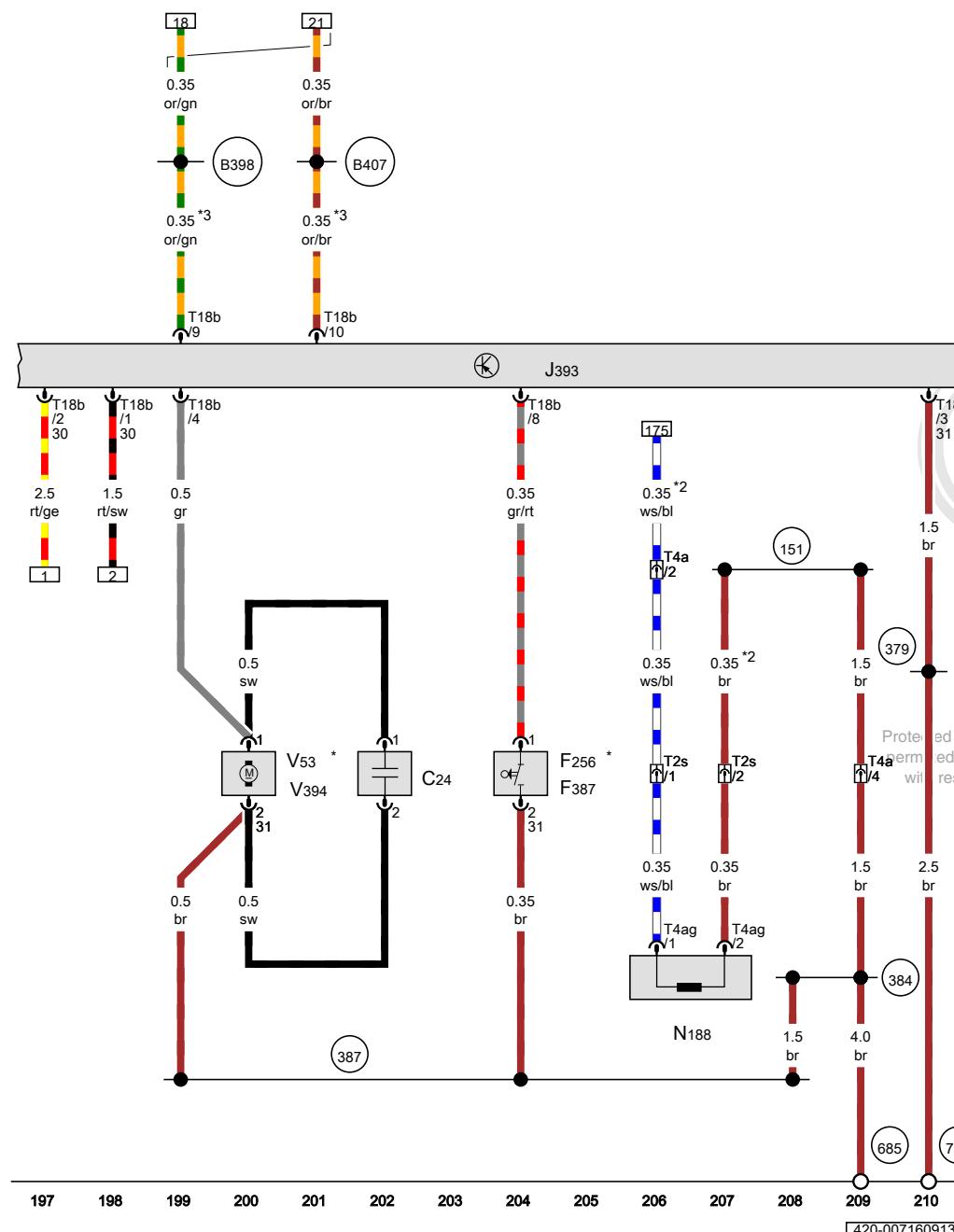
* Coming Home switch

*2 from June 2007

*3 Through May 2007

| | |
|----|----------|
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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 |

1420-0071509131



Rear lid lock unit, Hood contact switch, Comfort system central control module, Luggage compartment release solenoid, Rear lid central locking system motor, Hood release motor

C24 Suppressor
 F256 Rear lid lock unit
 F387 Hood contact switch
 J393 Comfort system central control module
 N188 Luggage compartment release solenoid
 T2s Double connector, black
 T4a 4-pin connector, in the luggage compartment, right, black
 T4ag 4-pin connector
 T18b 18-pin connector, brown
 V53 Rear lid central locking system motor
 V394 Hood release motor

151 Ground connection 1 (in front wiring harness)

379 Ground connection 14 (in main wiring harness)

384 Ground connection 19 (in main wiring harness)

387 Ground connection 22 (in main wiring harness)

685 Ground connection 1 on right front longitudinal member

712 Ground connection under rear shelf, left

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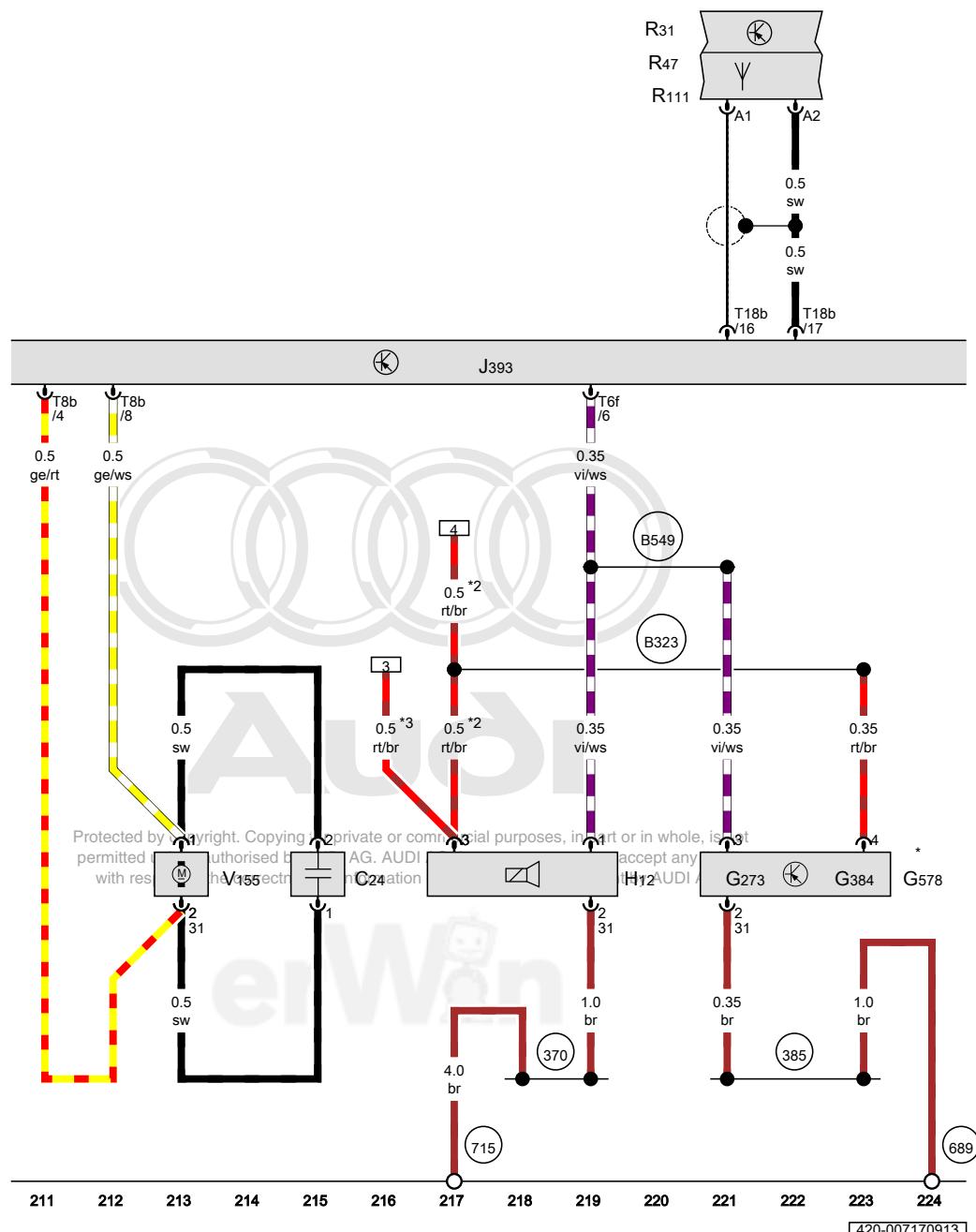
Comfort system CAN bus high connection 2 (in main wiring harness)

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

B407

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

Anti-theft alarm system sensor, Alarm horn, Comfort system central control module, Central locking and anti-theft alarm system antenna, Fuel filler door unlock motor



C24 Suppressor
 G273 Interior monitoring sensor
 G384 Vehicle inclination sensor
 G578 Anti-theft alarm system sensor
 H12 Alarm horn
 J393 Comfort system central control module
 R31 Window antenna
 R47 Central locking and anti-theft alarm system antenna
 R111 Antenna amplifier 2
 T6f 6-pin connector, black
 T8b 8-pin connector, black
 T18b 18-pin connector, brown
 V155 Fuel filler door unlock motor

(370) Ground connection 5 (in main wiring harness)

(385) Ground connection 20 (in main wiring harness)

(689) Ground connection on roof, center front

(715) Ground connection on left crossmember

(B323) Positive connection 9 (30a) (in main wiring harness)

(B549) LIN bus connection 2 (in main wiring harness)

* Anti-theft alarm system with interior monitoring

*2 Only for vehicles with interior monitoring

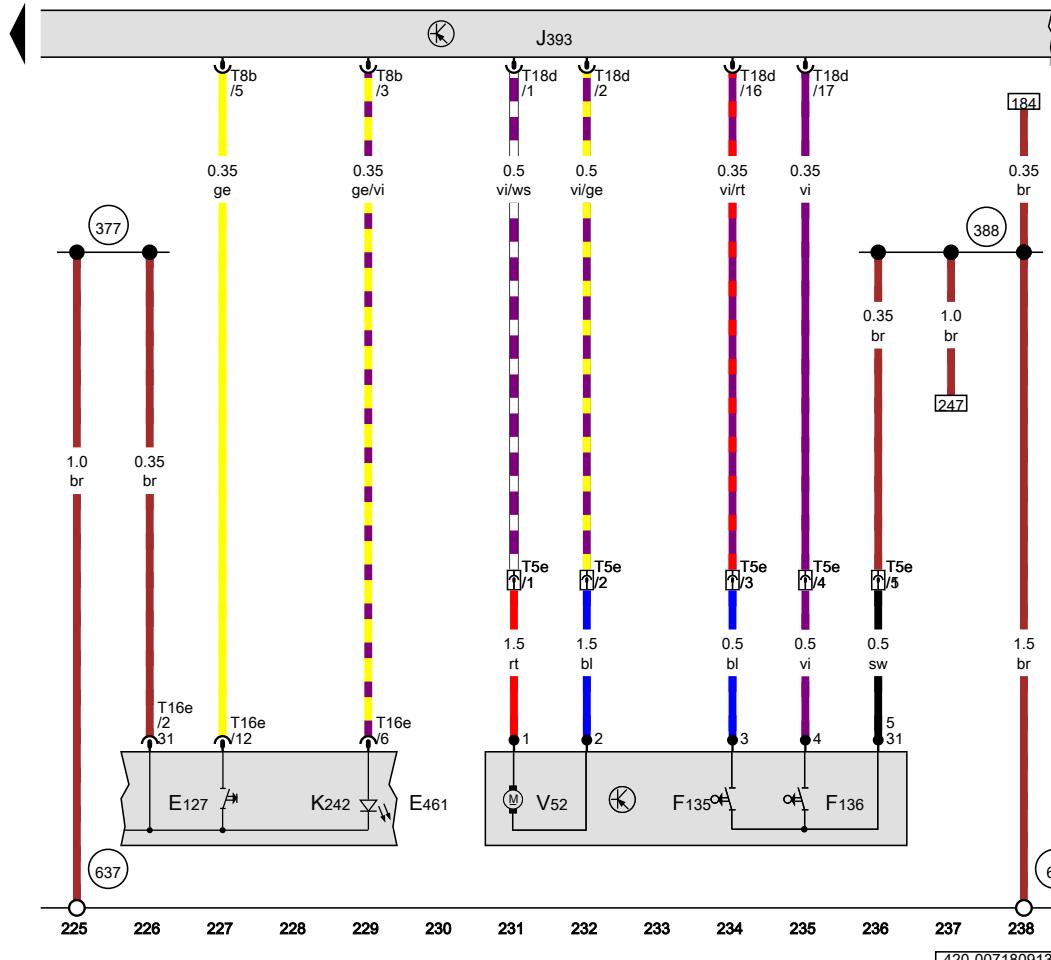
*3 Anti-theft alarm system without interior monitoring

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

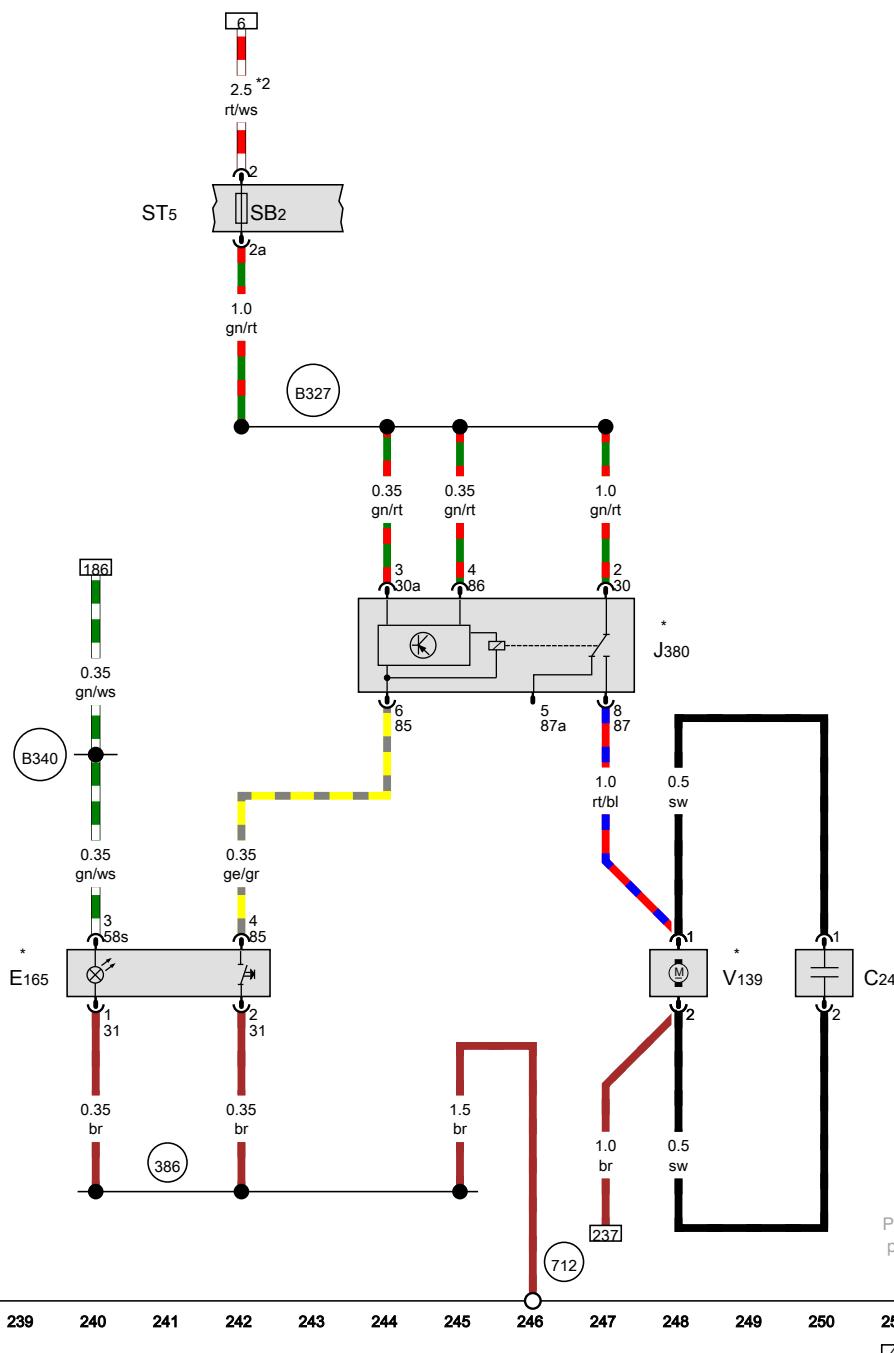
Rear spoiler adjustment switch, Comfort system central control module

E127 Rear spoiler adjustment switch
 E461 Front center console control head
 F135 Rear spoiler stop switch 1
 F136 Rear spoiler stop switch 2
 J393 Comfort system central control module
 K242 Rear spoiler adjustment indicator lamp
 T5e 5-pin connector, on the rear spoiler, black
 T8b 8-pin connector, black
 T16e 16-pin connector, brown
 T18d 18-pin connector, black
 V52 Rear spoiler motor

65 Ground connection on left rear longitudinal member



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



Rear lid unlock switch, Rear lid central locking relay, Rear lid unlock motor

C24 Suppressor
 E165 Rear lid unlock switch
 J380 Rear lid central locking relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
 SB2 Fuse 2 (on fuse panel B)
 ST5 Fuse panel 5
 V139 Rear lid unlock motor

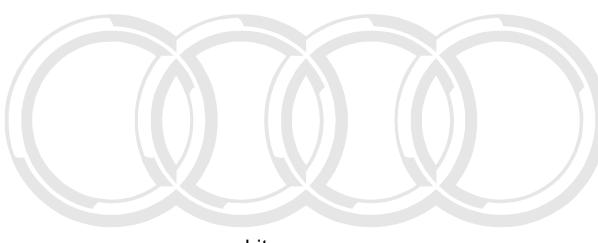
(386) Ground connection 21 (in main wiring harness)

(712) Ground connection under rear shelf, left

(B327) Positive connection 13 (30a) (in main wiring harness)

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

* Only for vehicles with electronic rear lid opener
 *2 from September 2008



| | |
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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |

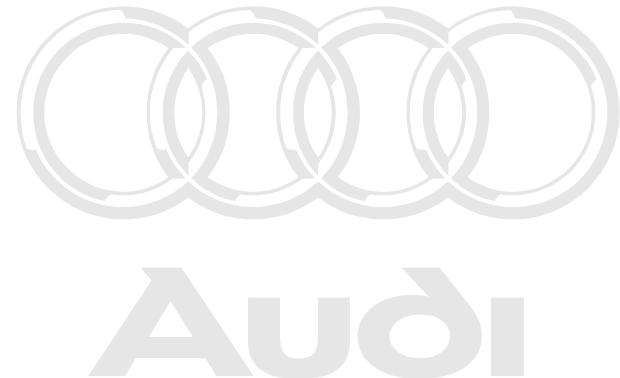
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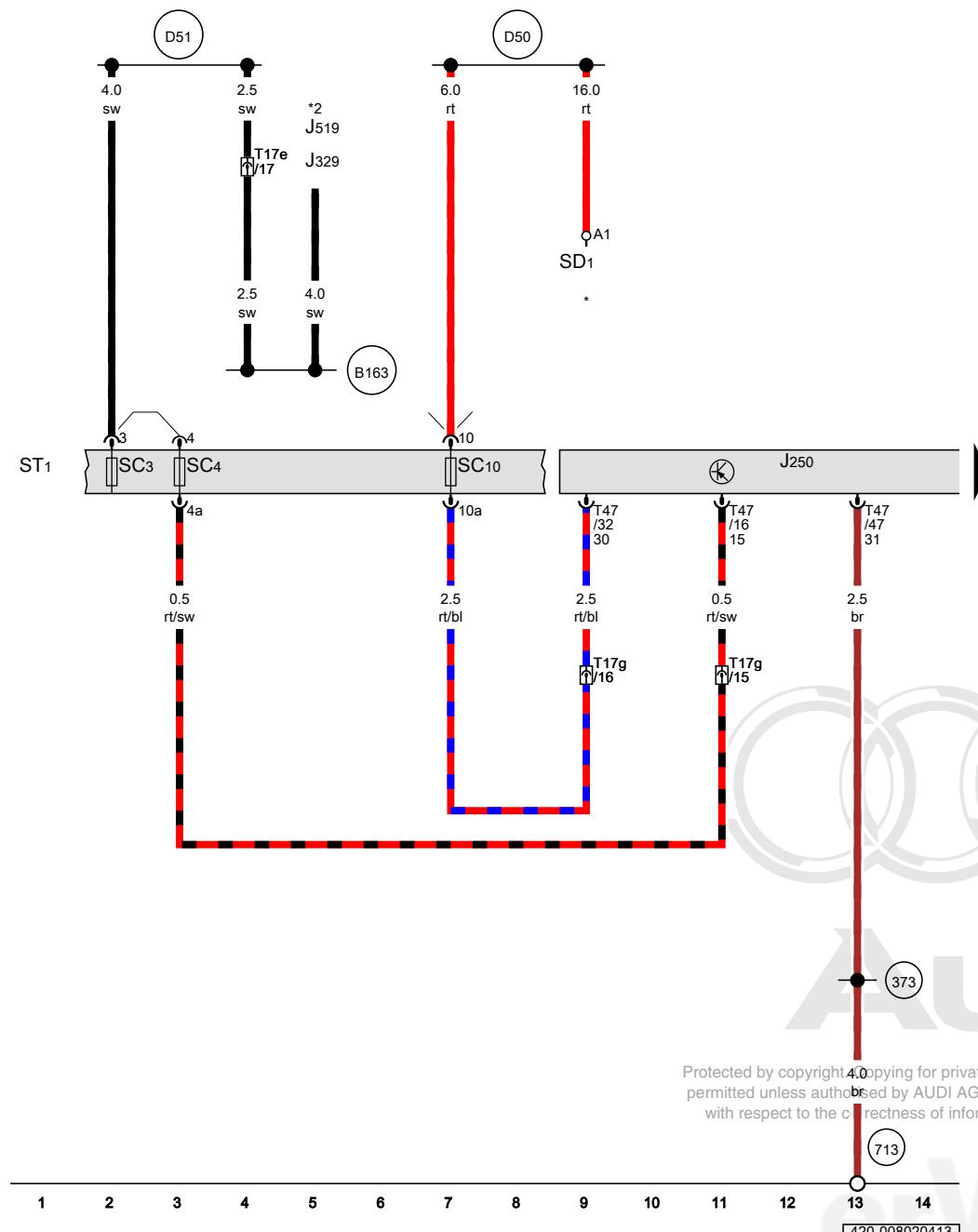
Level control system with dampening adjustment

from May 2006



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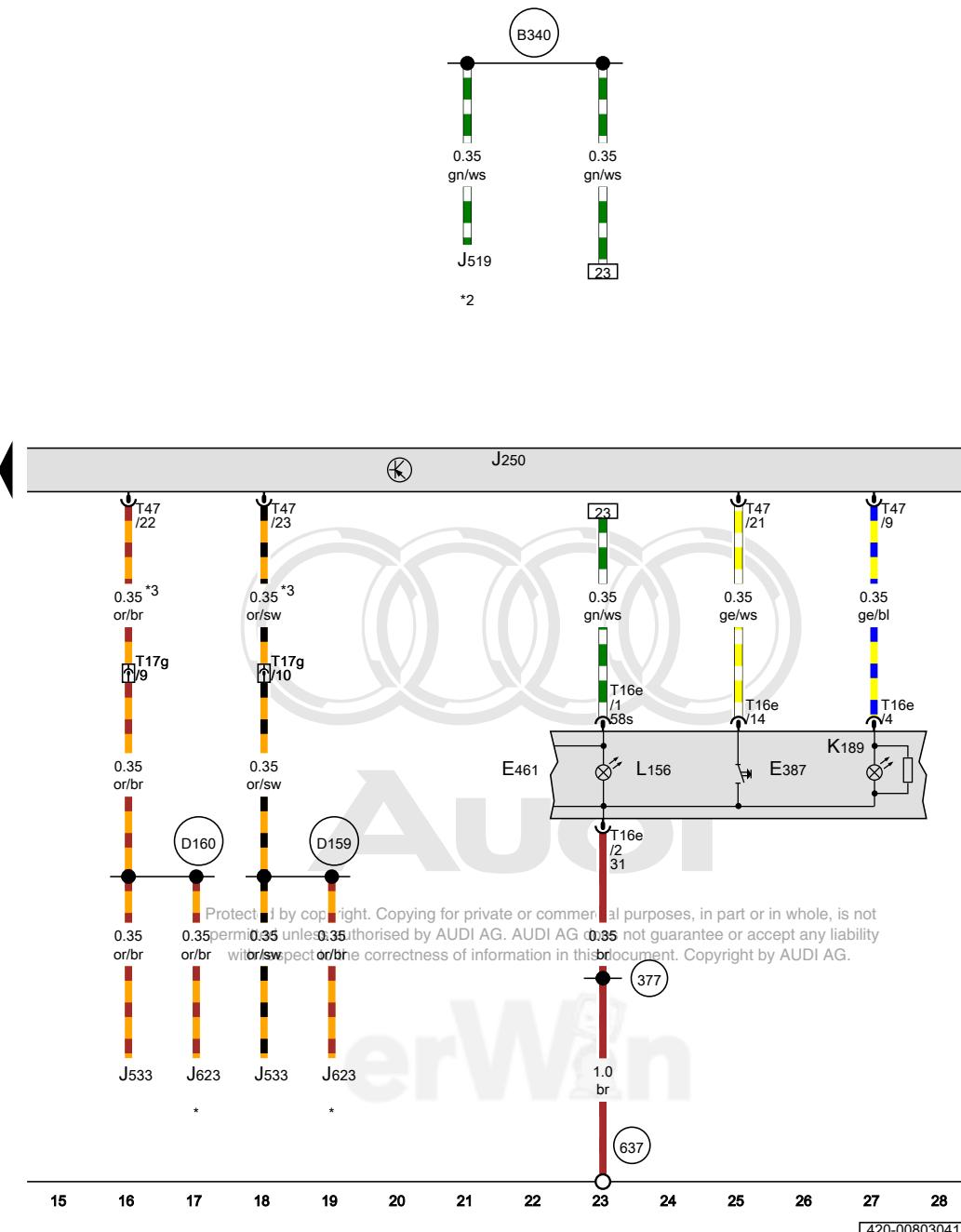



Electronic damping control module

- J250 Electronic damping control module
 J329 Terminal 15 power supply relay
 J519 Vehicle electrical system control module
 ST1 Fuse panel 1
 SD1 Fuse 1 (on fuse panel D)
 SC3 Fuse 3 (on fuse panel C)
 SC4 Fuse 4 (on fuse panel C)
 SC10 Fuse 10 (on fuse panel C)
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T17g 17-pin connector, Connector station under the rear shelf, right, black
 T47 47-pin connector, black
 373 Ground connection 8 (in main wiring harness)
 713 Ground connection under rear shelf, right
 B163 Positive connection 1 (15) (in interior wiring harness)
 D50 Positive connection (30) (in engine compartment wiring harness)
 D51 Positive connection 1 (15) (in engine compartment wiring harness)
 * Main fuse box in the right front footwell
 *2 Refer to applicable standard equipment wiring diagram

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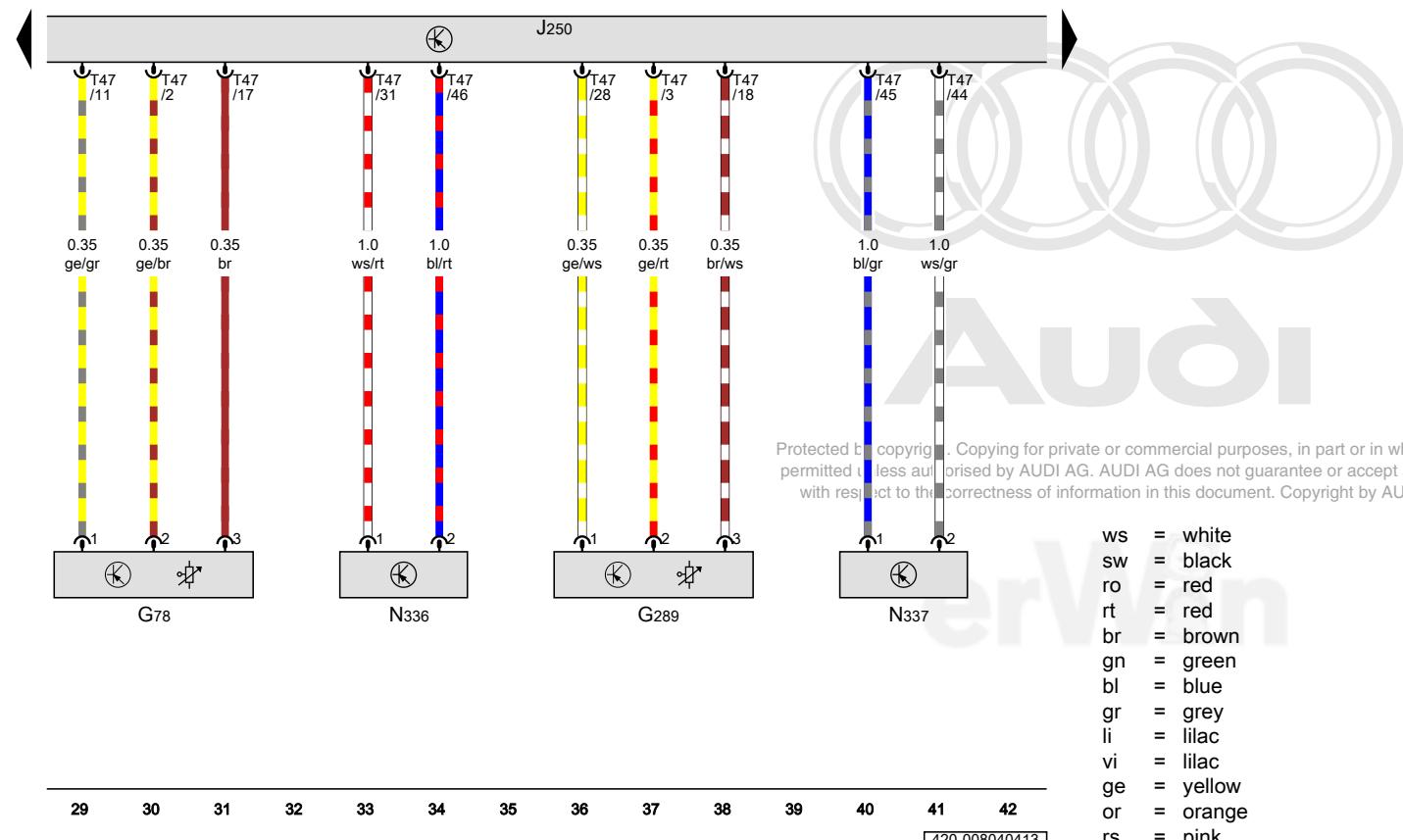
Damping adjustment button, Front center console control head, Electronic damping control module, Damping adjustment indicator lamp

- E387 Damping adjustment button
 - E461 Front center console control head
 - J250 Electronic damping control module
 - J519 Vehicle electrical system control module
 - J533 Data bus on board diagnostic interface
 - J623 Engine control module
 - K189 Damping adjustment indicator lamp
 - L156 Switch illumination bulb
 - T16e 16-pin connector, brown
 - T17g 17-pin connector, Connector station under the rear shelf, right, black
 - T47 47-pin connector, black
 - (377) Ground connection 12 (in main wiring harness)
 - (637) Airbag control module ground connection
 - (B340) Connection 58d (in main wiring harness) 1
 - (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 Refer to applicable standard equipment wiring diagram
 - *3 Data bus wire (CAN bus)

| | |
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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 |

Left front level control system sensor, Electronic damping control module, Left front damping adjustment valve, Right front damping adjustment valve

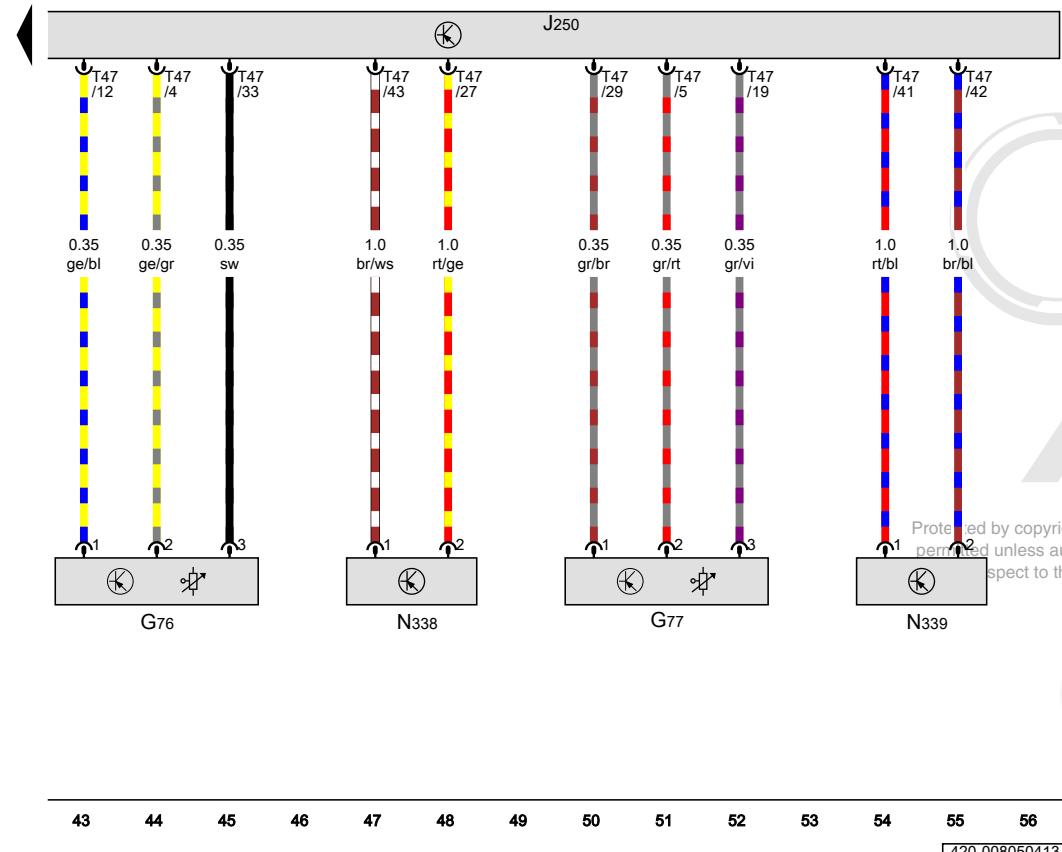
G78 Left front level control system sensor
G289 Right front level control sensor
J250 Electronic damping control module
N336 Left front damping adjustment valve
N337 Right front damping adjustment valve
T47 47-pin connector, black



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Left rear level control system sensor, Electronic damping control module, Left rear damping adjustment valve

- G76 Left rear level control system sensor
- G77 Right rear level control system sensor
- J250 Electronic damping control module
- N338 Left rear damping adjustment valve
- N339 Right rear damping adjustment valve
- T47 47-pin connector, black

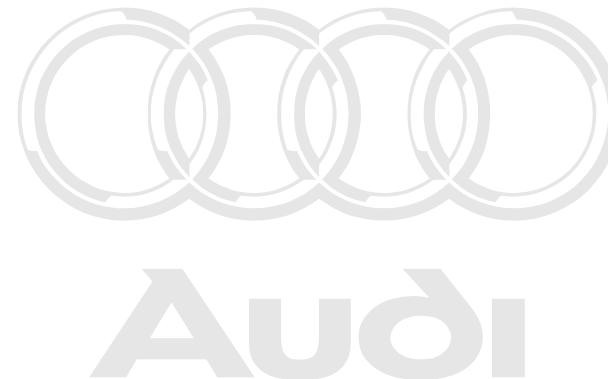


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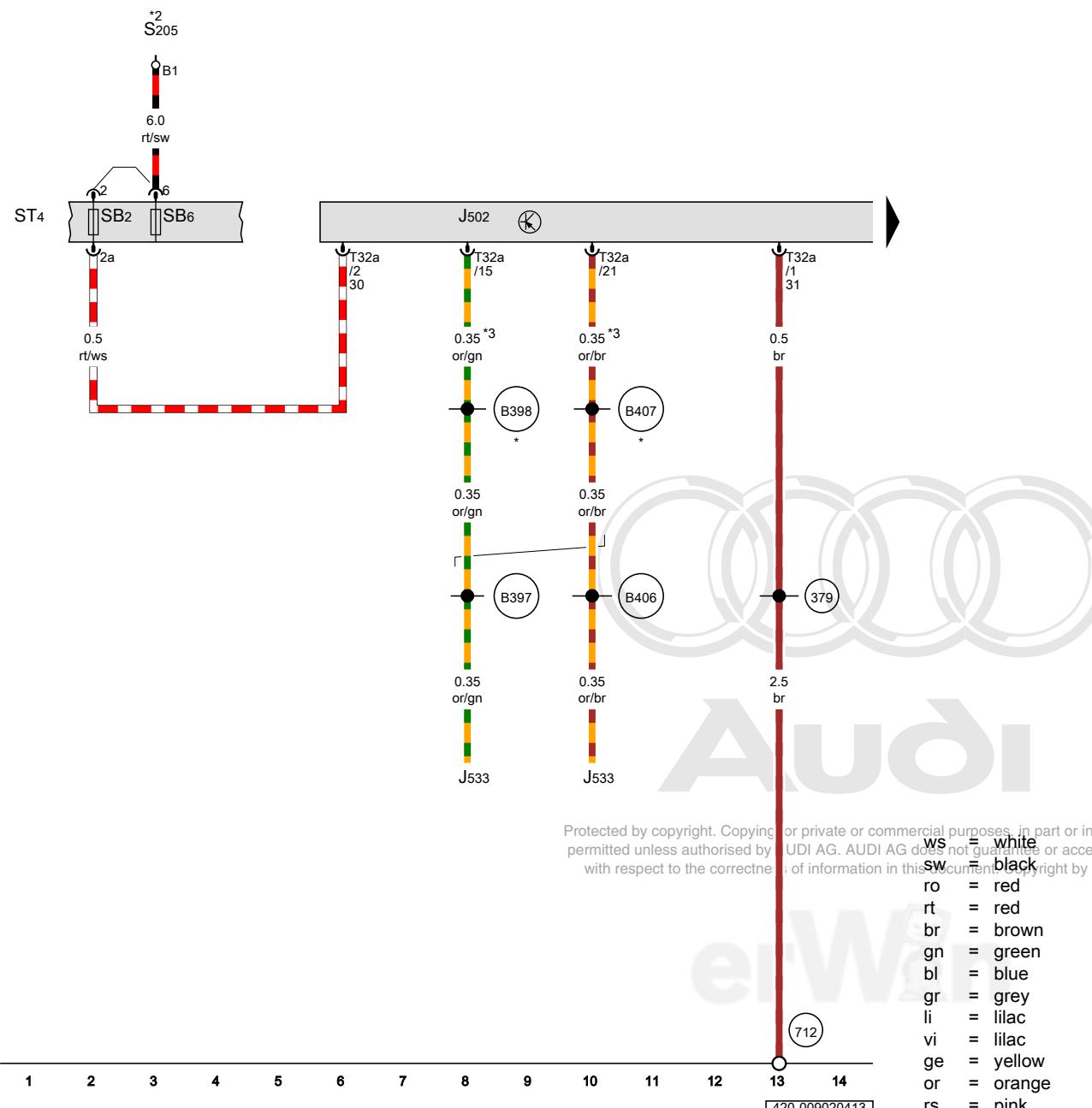
Tire pressure monitoring

from May 2006



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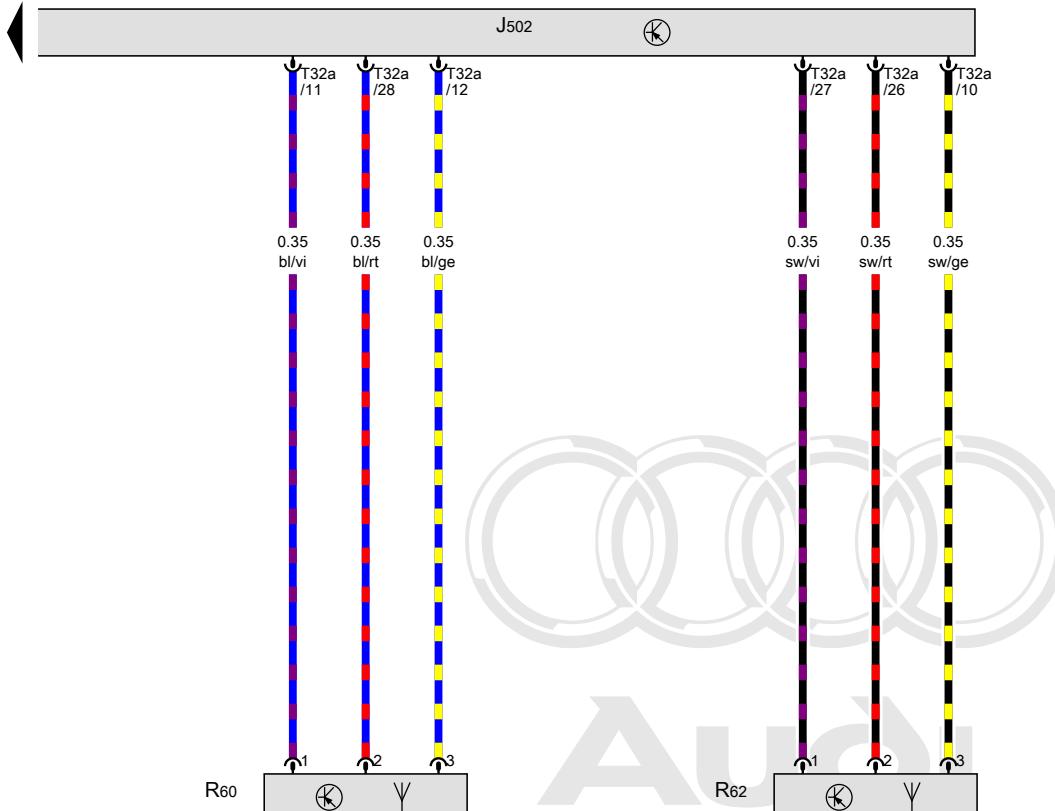


Tire pressure monitoring control module

- J502 Tire pressure monitoring control module
- J533 Data bus on board diagnostic interface
- SB2 Fuse 2 (on fuse panel B)
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T32a 32-pin connector, black
- 379 Ground connection 14 (in main wiring harness)
- 712 Ground connection under rear shelf, left
- B397 Comfort system CAN bus high connection 1 (in main wiring harness)
- B398 Comfort system CAN bus high connection 2 (in main wiring harness)
- B406 Comfort system CAN bus low connection 1 (in main wiring harness)
- B407 Comfort system CAN bus low connection 2 (in main wiring harness)
- * Depending on equipment
- *2 Main distribution in the right front footwell
- *3 Data bus wire (CAN bus)

Left front tire pressure monitoring sensor, Left rear tire pressure monitoring sensor, 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
- J502 Tire pressure monitoring control module
- R60 Right front tire pressure monitoring antenna
- R62 Right rear tire pressure monitoring antenna
- T32a 32-pin connector, black



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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 |

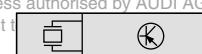
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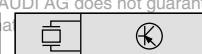
G222



G223



G224



G225

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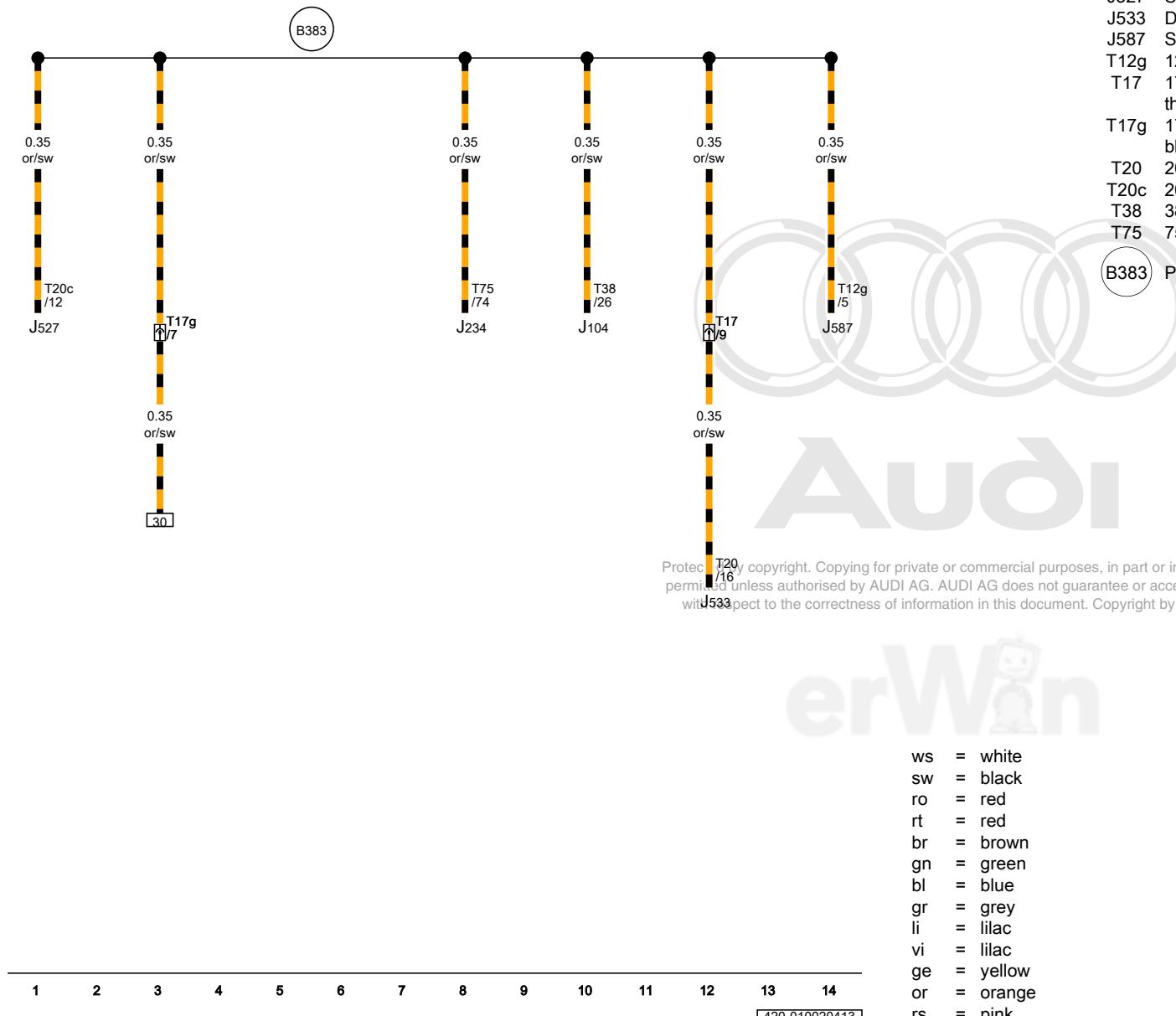
CAN bus network

from May 2006



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Powertrain CAN bus high connection 1 (in main wiring harness)

- J104 ABS control module
- J234 Airbag control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J587 Selector lever sensor system control module
- T12g 12-pin connector
- T17 17-pin connector, Inside the center console connector station on the right side, red
- T17g 17-pin connector, Connector station under the rear shelf, right, black
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T38 38-pin connector, gray
- T75 75-pin connector, yellow

(B383) Powertrain CAN bus high connection 1 (in main wiring harness)

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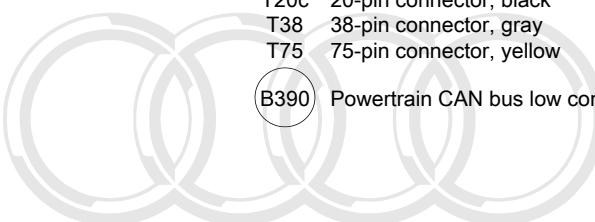


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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |


Powertrain CAN bus low connection 1 (in main wiring harness)

- J104 ABS control module
- J234 Airbag control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J587 Selector lever sensor system control module
- T12g 12-pin connector
- T17 17-pin connector, Inside the center console connector station on the right side, red
- T17g 17-pin connector, Connector station under the rear shelf, right, black
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T38 38-pin connector, gray
- T75 75-pin connector, yellow

(B390) Powertrain CAN bus low connection 1 (in main wiring harness)



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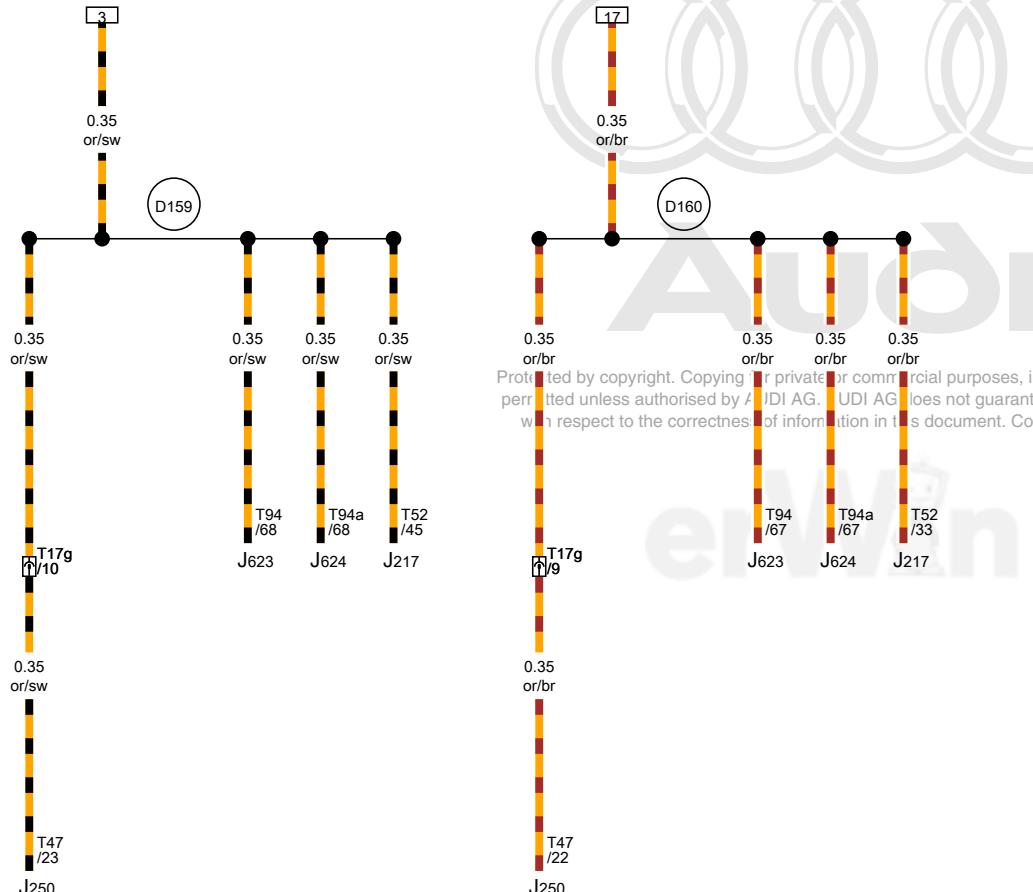
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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

High bus connection (in engine compartment wiring harness), Low bus positive connection (in engine compartment wiring harness)

J217 Transmission control module
J250 Electronic damping control module
J623 Engine control module
J624 Engine control module 2
T17g 17-pin connector, Connector station under the rear shelf, right, black
T47 47-pin connector, black
T52 52-pin connector, black
T94 94-pin connector, black
T94a 94-pin connector, black

(D159) High bus connection (in engine compartment wiring harness)

(D160) Low bus positive connection (in engine compartment wiring harness)



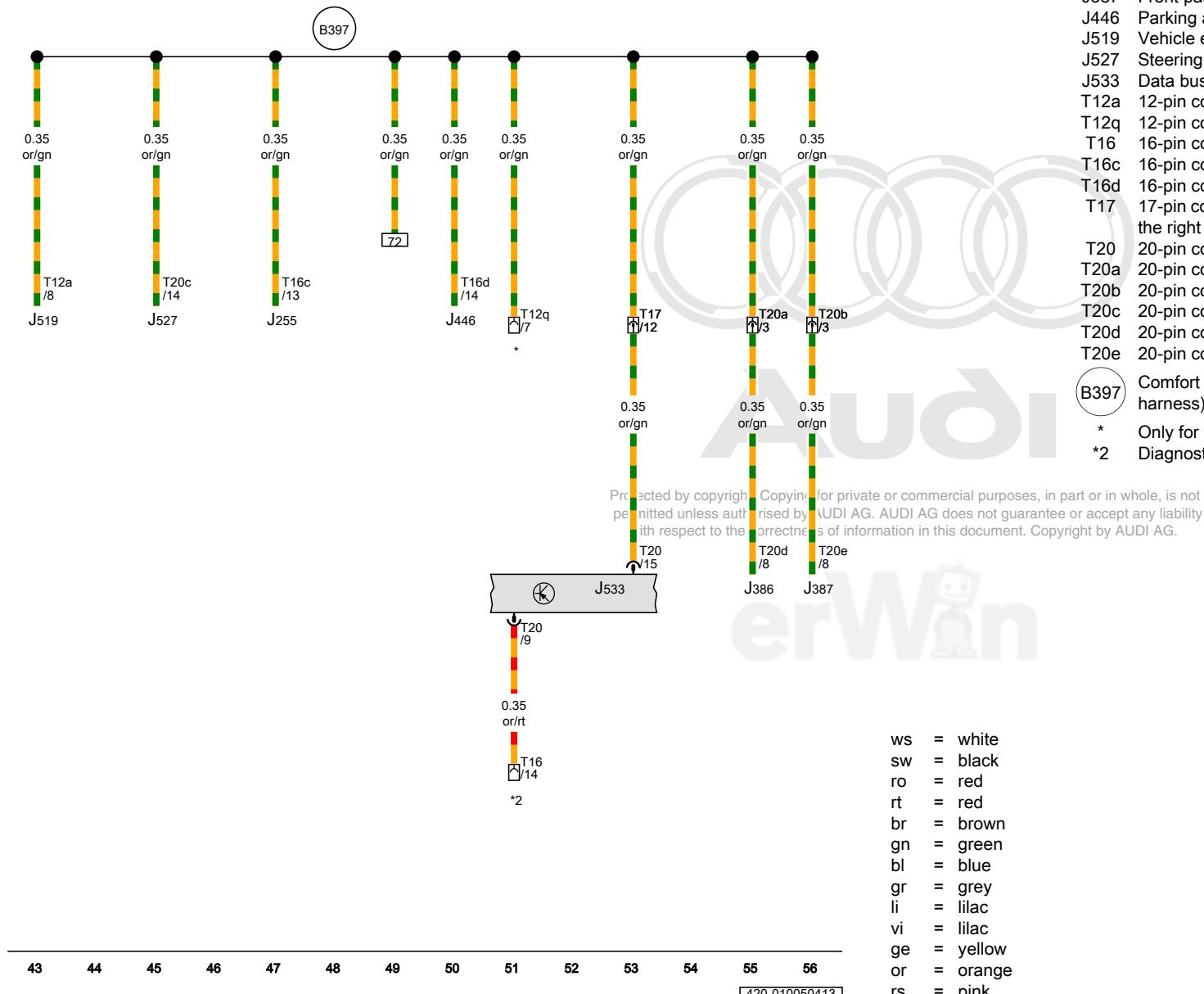
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| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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

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Comfort system CAN bus high connection 1 (in main wiring harness)

- J255 Climatronic control module
J386 Driver door control module
J387 Front passenger door control module
J446 Parking aid control module
J519 Vehicle electrical system control module
J527 Steering column electronics control module
J533 Data bus on board diagnostic interface
T12a 12-pin connector, black
T12c 12-pin connector, brown
T16c 16-pin connector, black
T16d 16-pin connector, brown
T17 17-pin connector, Inside the center console connector station on the right side, red
T12q 16-pin connector, brown
T16 16-pin connector, black
T16c 16-pin connector, brown
T16d 16-pin connector, brown
T20 20-pin connector, red
T20a 20-pin connector, in the left front door, black
T20b 20-pin connector, in the right front door, black
T20c 20-pin connector, black
T20d 20-pin connector, black
T20e 20-pin connector, black
- (B397) Comfort system CAN bus high connection 1 (in main wiring harness)**
- * Only for vehicles with special functions interface
*2 Diagnostic connector



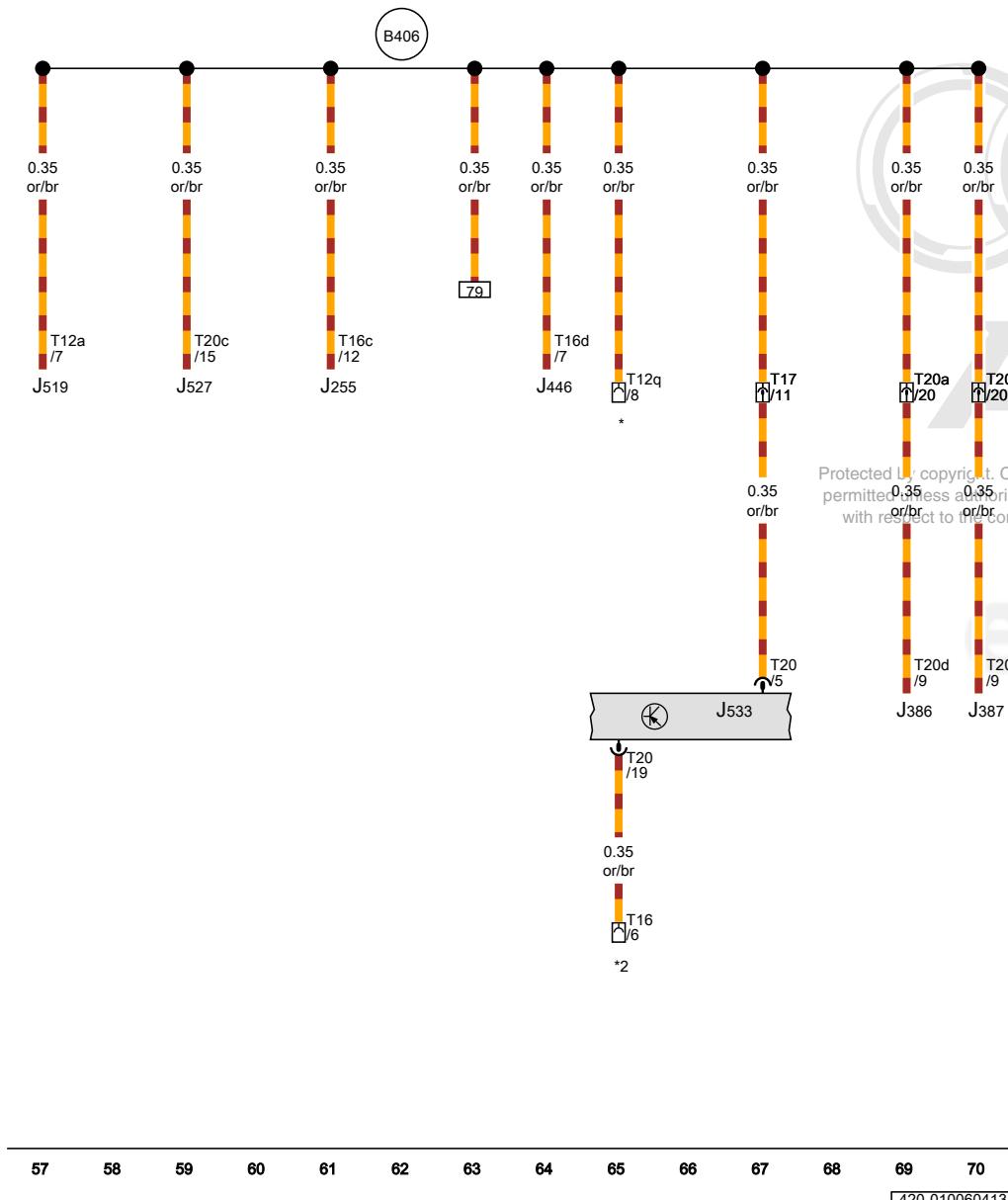
Comfort system CAN bus low connection 1 (in main wiring harness)

- J255 Climatronic control module
J386 Driver door control module
J387 Front passenger door control module
J446 Parking aid control module
J519 Vehicle electrical system control module
J527 Steering column electronics control module
J533 Data bus on board diagnostic interface
T12a 12-pin connector, black
T12c 12-pin connector, brown
T16c 16-pin connector, black
T16d 16-pin connector, brown
T17 17-pin connector, Inside the center console connector station on the right side, red
T20 20-pin connector, red
T20a 20-pin connector, in the left front door, black
T20b 20-pin connector, in the right front door, black
T20c 20-pin connector, black
T20d 20-pin connector, black
T20e 20-pin connector, black

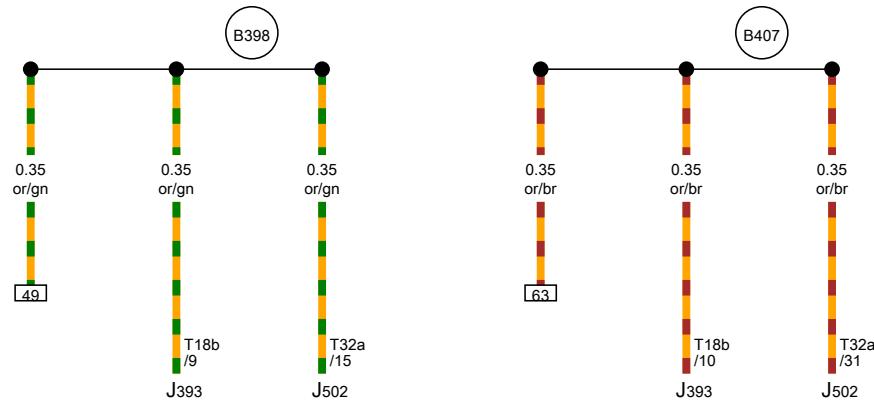
B406 Comfort system CAN bus low connection 1 (in main wiring harness)
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Only for vehicles with special functions interface

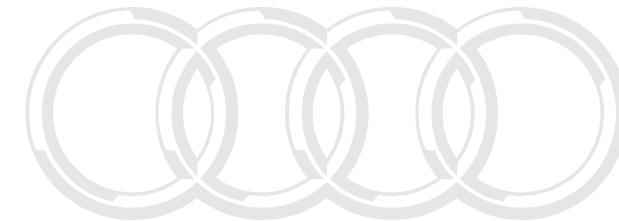
*2 Diagnostic connector



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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 |



- J393 Comfort system central control module
- J502 Tire pressure monitoring control module
- T18b 18-pin connector, brown
- T32a 32-pin connector, black
- (B398) Comfort system CAN bus high connection 2 (in main wiring harness)
- (B407) Comfort system CAN bus low connection 2 (in main wiring harness)



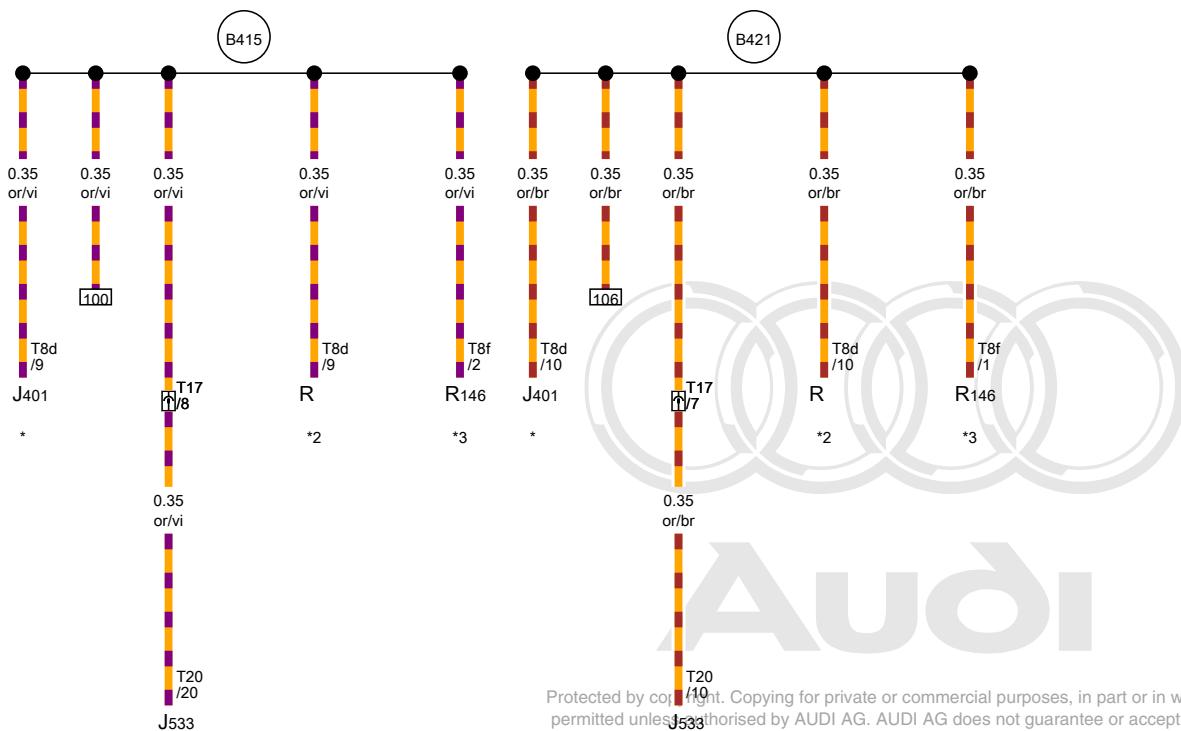
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71 72 73 74 75 76 77 78 79 80 81 82 83 84
[420-010070413]

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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 |



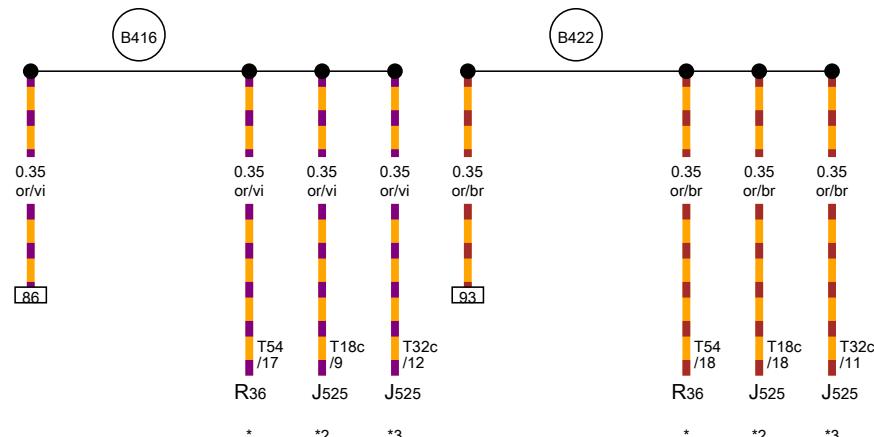
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Infotainment CAN Bus high connection 1 (in main wiring harness), Infotainment CAN bus low connection 1 (in main wiring harness)

- | | |
|---------------|---|
| J401 | Navigation system with CD drive control module |
| J533 | Data bus on board diagnostic interface |
| R | Radio |
| R146 | Satellite radio |
| T8d | 8-pin connector, black |
| T8f | 8-pin connector, black |
| T17 | 17-pin connector, Inside the center console connector station on the right side, red |
| T20 | 20-pin connector, red |
| B415 | Infotainment CAN Bus high connection 1 (in main wiring harness) |
| B421 | Infotainment CAN bus low connection 1 (in main wiring harness) |
| * *2 *3 | Only for vehicles with radio/navigation RNS-E Only for vehicles with a radio Only for vehicles with satellite radio |

| | |
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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 |

Infotainment CAN Bus high connection 2 (in main wiring harness), Infotainment CAN bus low connection 2 (in main wiring harness)



J525 Digital sound system control module

R36 Telephone transceiver

T18c 18-pin connector, black

T32c 32-pin connector, black

T54 54-pin connector, black

B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

B422 Infotainment CAN bus low connection 2 (in main wiring harness)

* Only for vehicles with cell phone preparation

*² Only for vehicles with Bang & Olufsen sound system

*³ Only for vehicles with standard sound system



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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

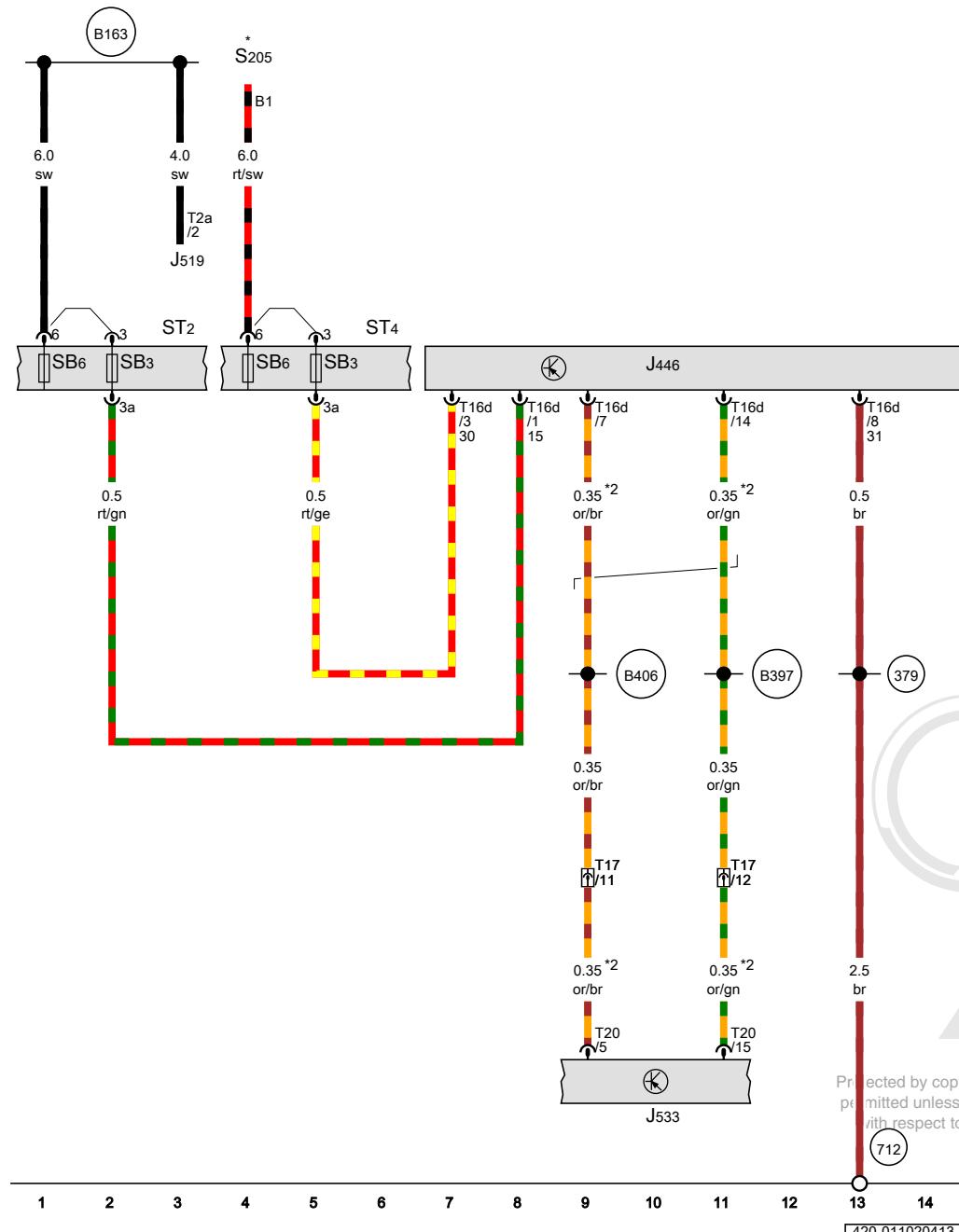
or = orange

rs = pink

Parking aid, front and rear
from May 2006



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Parking aid control module, Fuse panel 2, Fuse panel 4

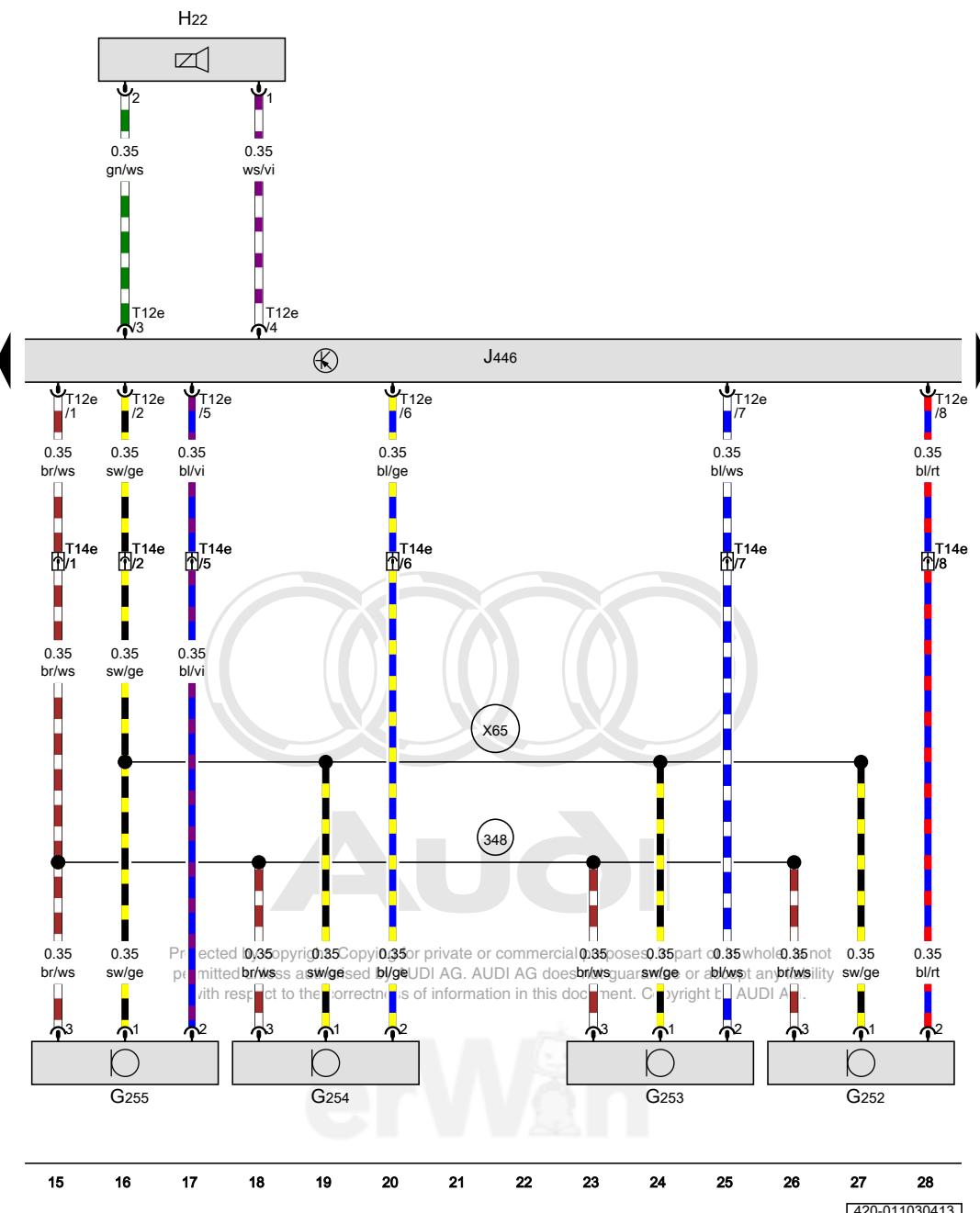
- J446 Parking aid control module
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- ST2 Fuse panel 2
- SB3 Fuse 3 (on fuse panel B)
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T2a Double connector, black
- T16d 16-pin connector, brown
- T17 17-pin connector, Inside the center console connector station on the right side, red
- T20 20-pin connector, red
- 379 Ground connection 14 (in main wiring harness)
- 712 Ground connection under rear shelf, left
- B163 Positive connection 1 (15) (in interior wiring harness)
- B397 Comfort system CAN bus high connection 1 (in main wiring harness)
- B406 Comfort system CAN bus low connection 1 (in main wiring harness)
- * Main distribution in the right front footwell
- *² Data bus wire (CAN bus)



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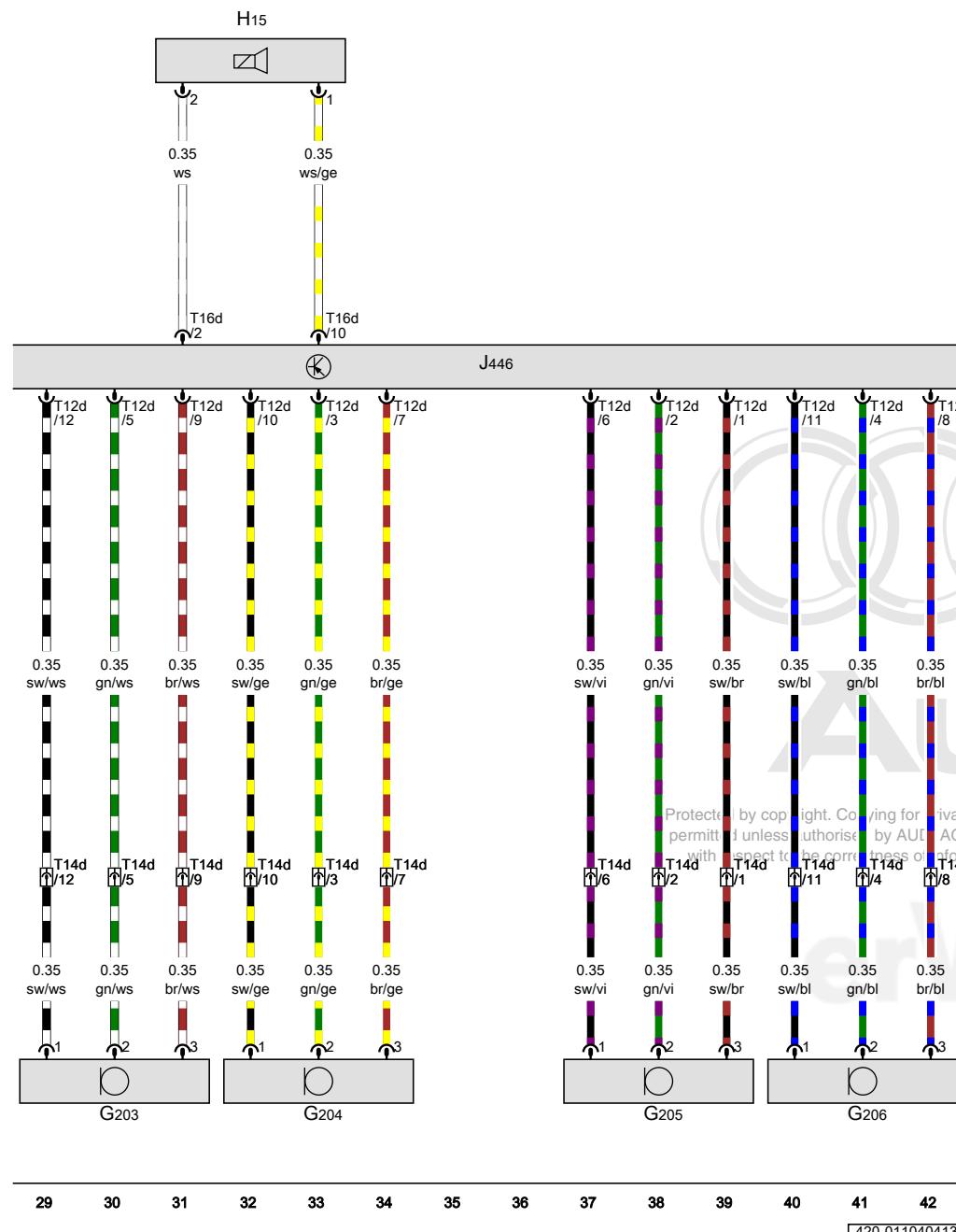
| | |
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| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |



Right front parking aid sensor, Left front center parking aid sensor, 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
T12e 12-pin connector, brown
T14e 14-pin connector, behind the right front bumper, black
- (348) Parking aid ground connection (in front bumper wiring harness)
- (X65) Parking aid connection (in front bumper wiring harness)

| | |
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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
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| or | = orange |
| rs | = pink |



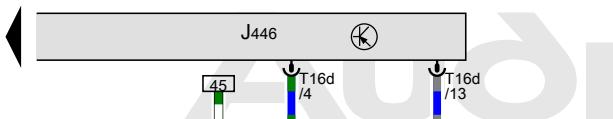
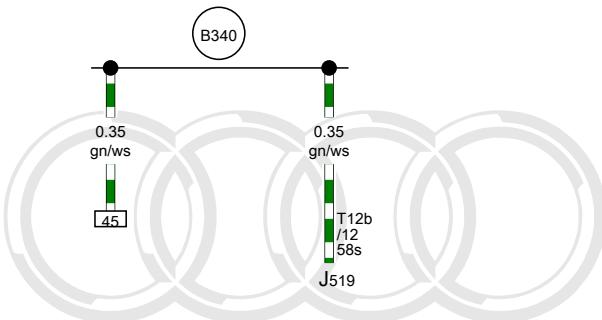
Left rear center parking aid sensor, Right rear parking aid sensor, Rear parking aid warning buzzer, Parking aid control module

- 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
- T12d 12-pin connector, black
- T14d 14-pin connector, behind the left rear bumper, black
- T16d 16-pin connector, brown

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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



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Parking aid button, Front center console control head, Parking aid control module, Parking aid indicator lamp

- E266 Parking aid button
- E461 Front center console control head
- J446 Parking aid control module
- J519 Vehicle electrical system control module
- K136 Parking aid indicator lamp
- T12b 12-pin connector, black
- T16d 16-pin connector, brown
- T16e 16-pin connector, brown
- 377 Ground connection 12 (in main wiring harness)
- 637 Airbag control module ground connection
- B340 Connection 58d (in main wiring harness) 1

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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
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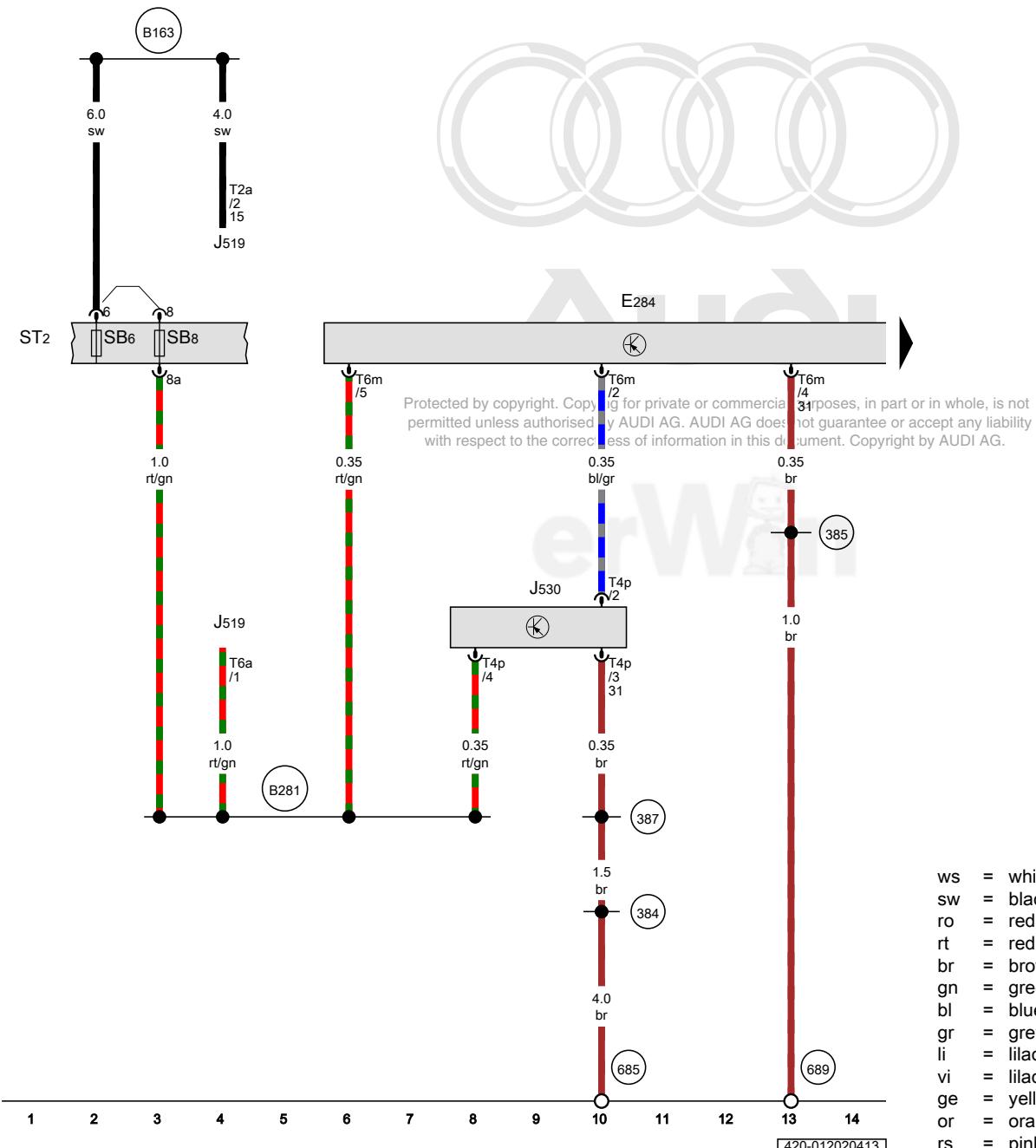
Garage door opener

from May 2006



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Garage door opener control head, Garage door opener control module

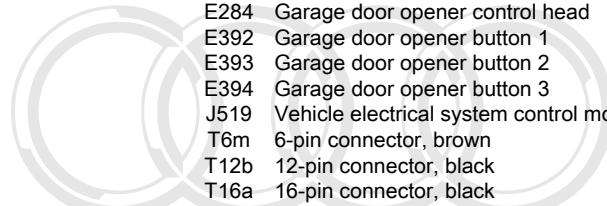
- E284 Garage door opener control head
 - J519 Vehicle electrical system control module
 - J530 Garage door opener control module
 - ST2 Fuse panel 2
 - SB6 Fuse 6 (on fuse panel B)
 - SB8 Fuse 8 (on fuse panel B)
 - T2a Double connector, black
 - T4p 4-pin connector, black
 - T6a 6-pin connector, black
 - T6m 6-pin connector, brown
 - 384 Ground connection 19 (in main wiring harness)
 - 385 Ground connection 20 (in main wiring harness)
 - 387 Ground connection 22 (in main wiring harness)
 - 685 Ground connection 1 on right front longitudinal member
 - 689 Ground connection on roof, center front
 - B163 Positive connection 1 (15) (in interior wiring harness)
 - B281 Positive connection 5 (15a) (in main wiring harness)

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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 |

Garage door opener control head, Garage door opener button 1

E284 Garage door opener control head
 E392 Garage door opener button 1
 E393 Garage door opener button 2
 E394 Garage door opener button 3
 J519 Vehicle electrical system control module
 T6m 6-pin connector, brown
 T12b 12-pin connector, black
 T16a 16-pin connector, black

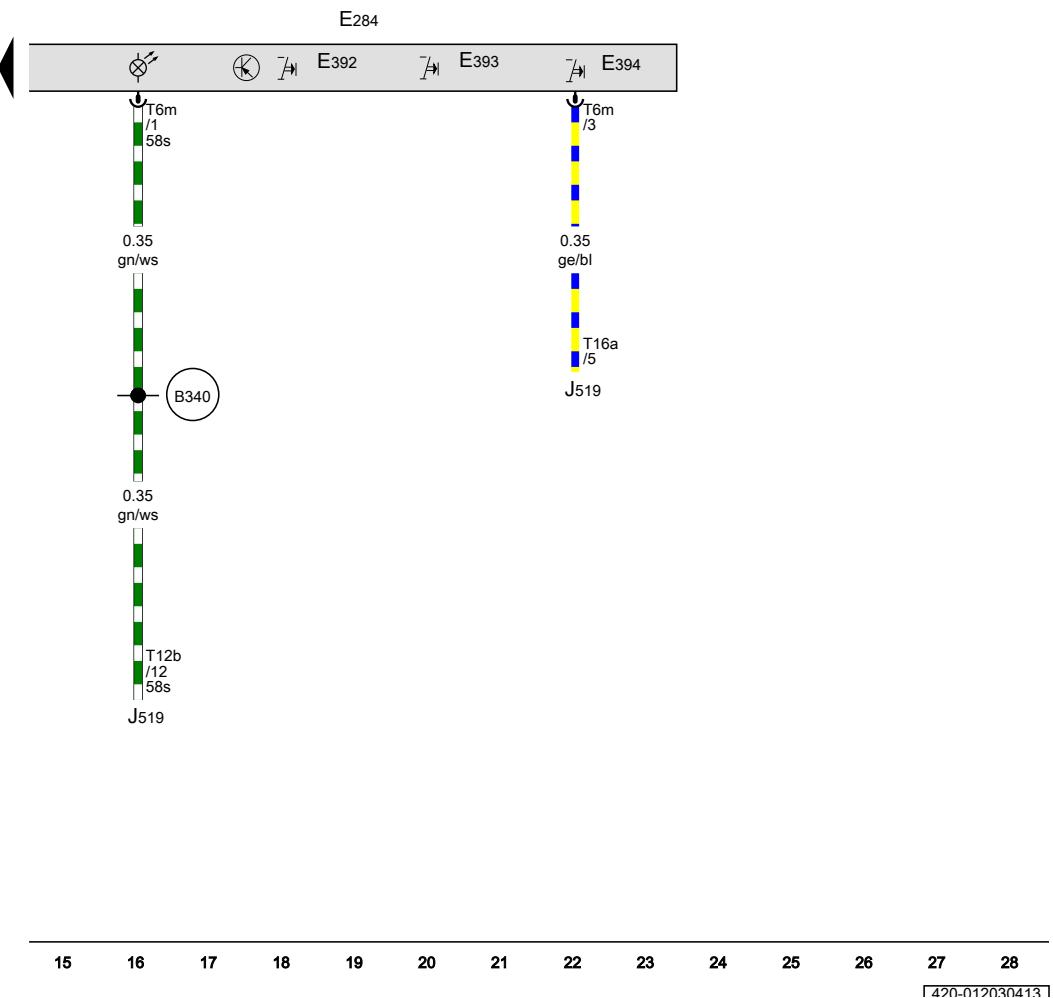
(B340) Connection 58d (in main wiring harness) 1



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



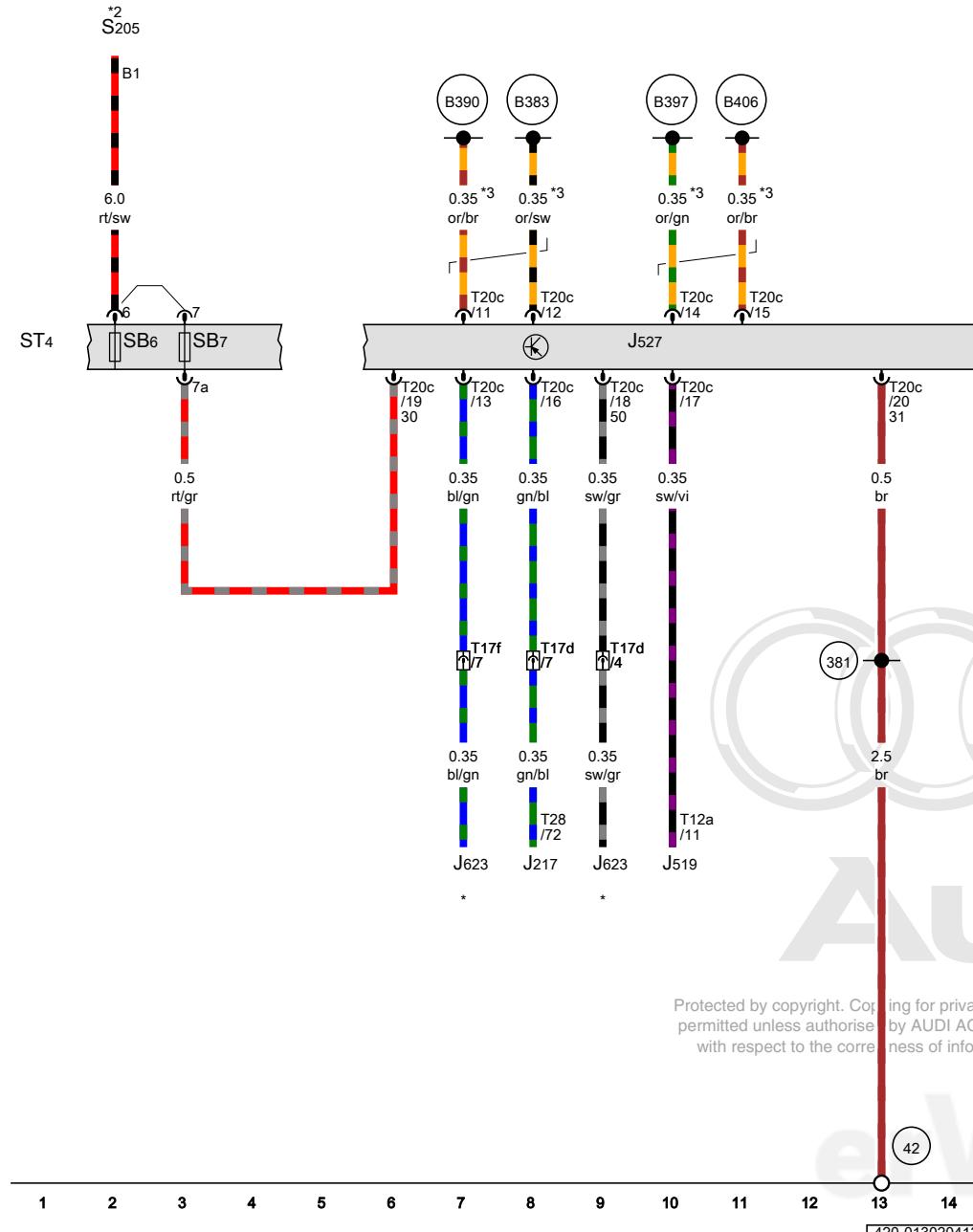
Multifunction steering wheel with toggle switches

from May 2006



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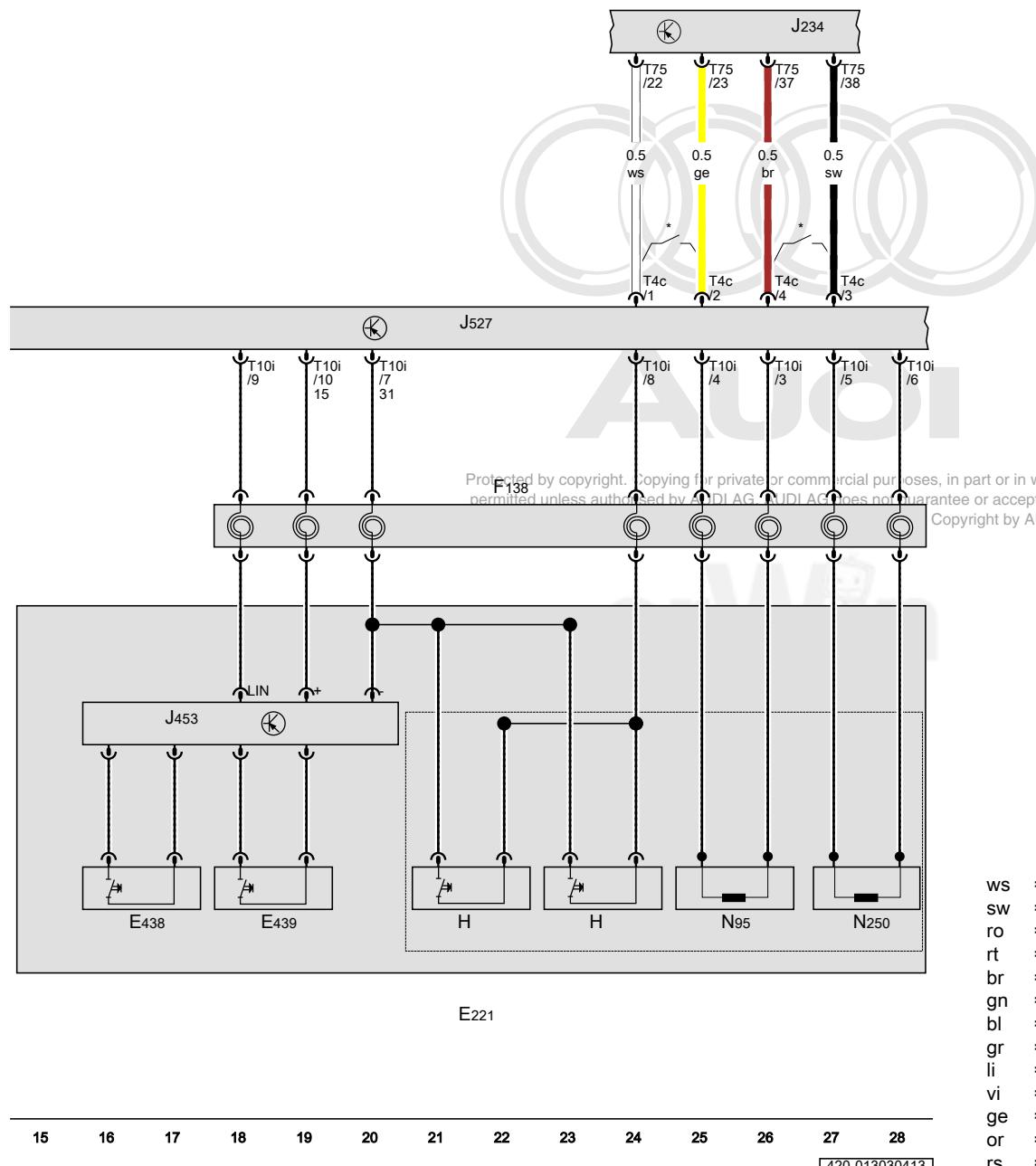
Steering column electronics control module

- J217 Transmission control module
 - J519 Vehicle electrical system control module
 - J527 Steering column electronics control module
 - J623 Engine control module
 - ST4 Fuse panel 4
 - SB6 Fuse 6 (on fuse panel B)
 - SB7 Fuse 7 (on fuse panel B)
 - S205 Fuse 2 (terminal 30)
 - T12a 12-pin connector, black
 - T17d 17-pin connector, Connector station under the rear shelf, right, brown
 - T17f 17-pin connector, Connector station under the rear shelf, right, white
 - T20c 20-pin connector, black
 - T28 28-pin connector
 - (42) Ground connection near steering column
 - (381) Ground connection 16 (in main wiring harness)
 - (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
 - (B390) Powertrain CAN bus low connection 1 (in main wiring harness)
 - (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
 - (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
- * Refer to applicable engine wiring diagram
*² Main distribution in the right front footwell
*³ Data bus wire (CAN bus)

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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420-013004131



Control unit in steering wheel, tiptronic upshift button on steering wheel, tiptronic downshift button on steering wheel, Signal horn activation, Steering column electronics control module, Driver airbag igniter, Driver airbag igniter 2

- E221 Control unit in steering wheel
- E438 tiptronic upshift button on steering wheel
- E439 tiptronic downshift button on steering wheel
- F138 Airbag spiral spring/return spring with slip ring
- H Signal horn activation
- J234 Airbag control module
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4c 4-pin connector, yellow
- T10i 10-pin connector
- T75 75-pin connector, yellow
- * Short circuit bridge operates when the connector is disconnector

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| rs | = pink |

Multifunction steering wheel

from May 2006

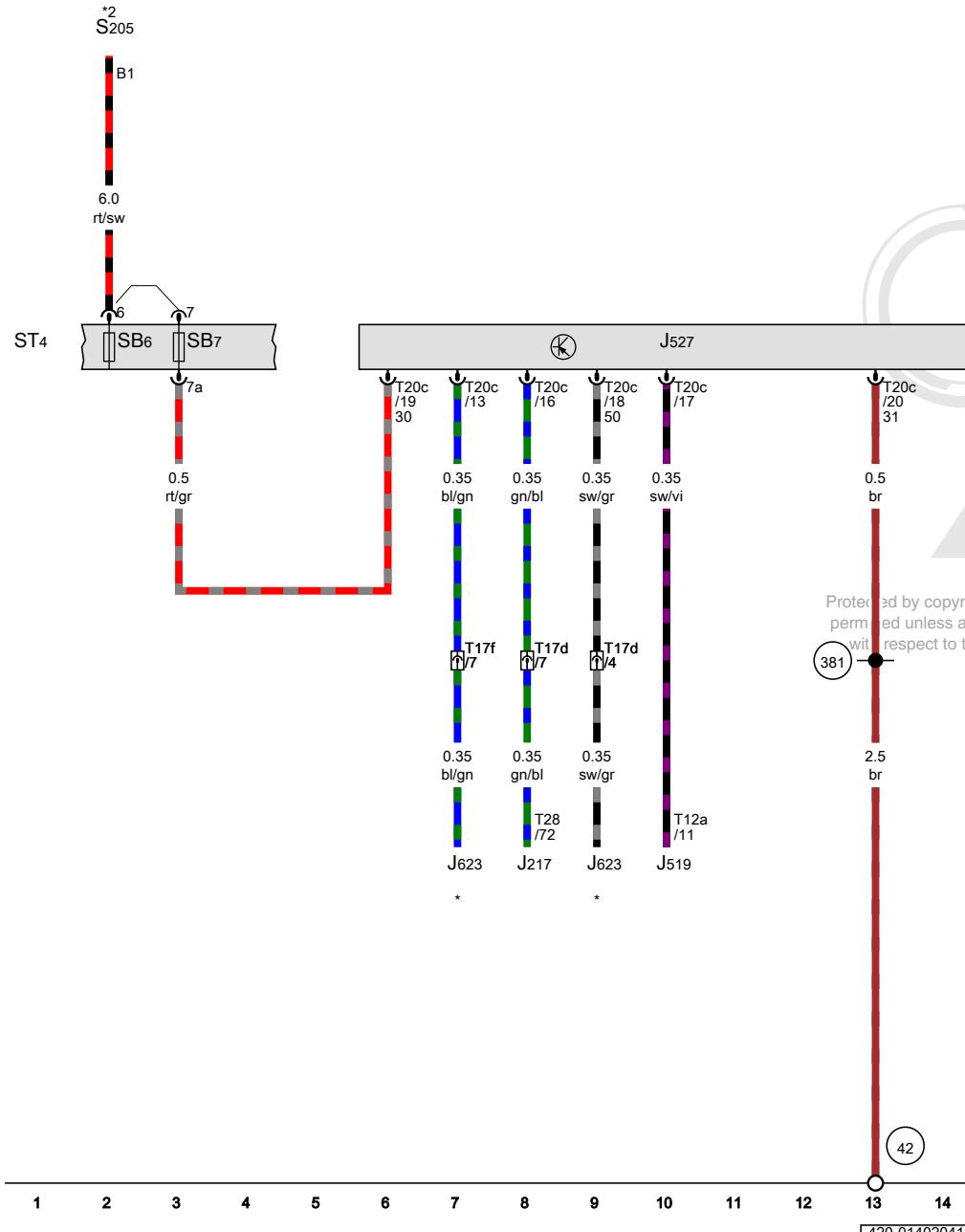


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Steering column electronics control module

- J217 Transmission control module
 J519 Vehicle electrical system control module
 J527 Steering column electronics control module
 J623 Engine control module
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T12a 12-pin connector, black
 T17d 17-pin connector, Connector station under the rear shelf, right, brown
 T17f 17-pin connector, Connector station under the rear shelf, right, white
 T20c 20-pin connector, black
 T28 28-pin connector
 42 Ground connection near steering column
 381 Ground connection 16 (in main wiring harness)
 * Refer to applicable engine wiring diagram
 *2 Main distribution in the right front footwell

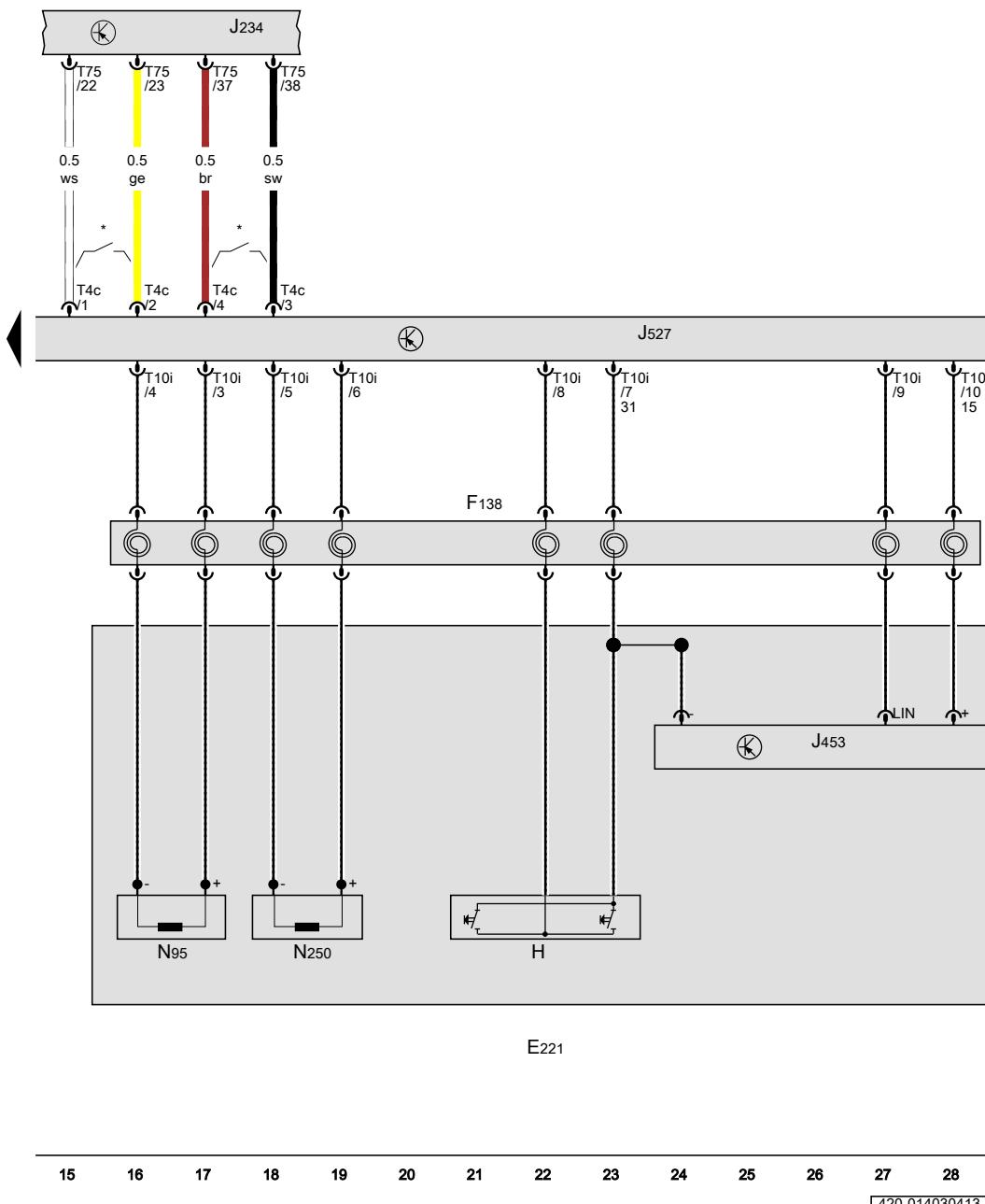


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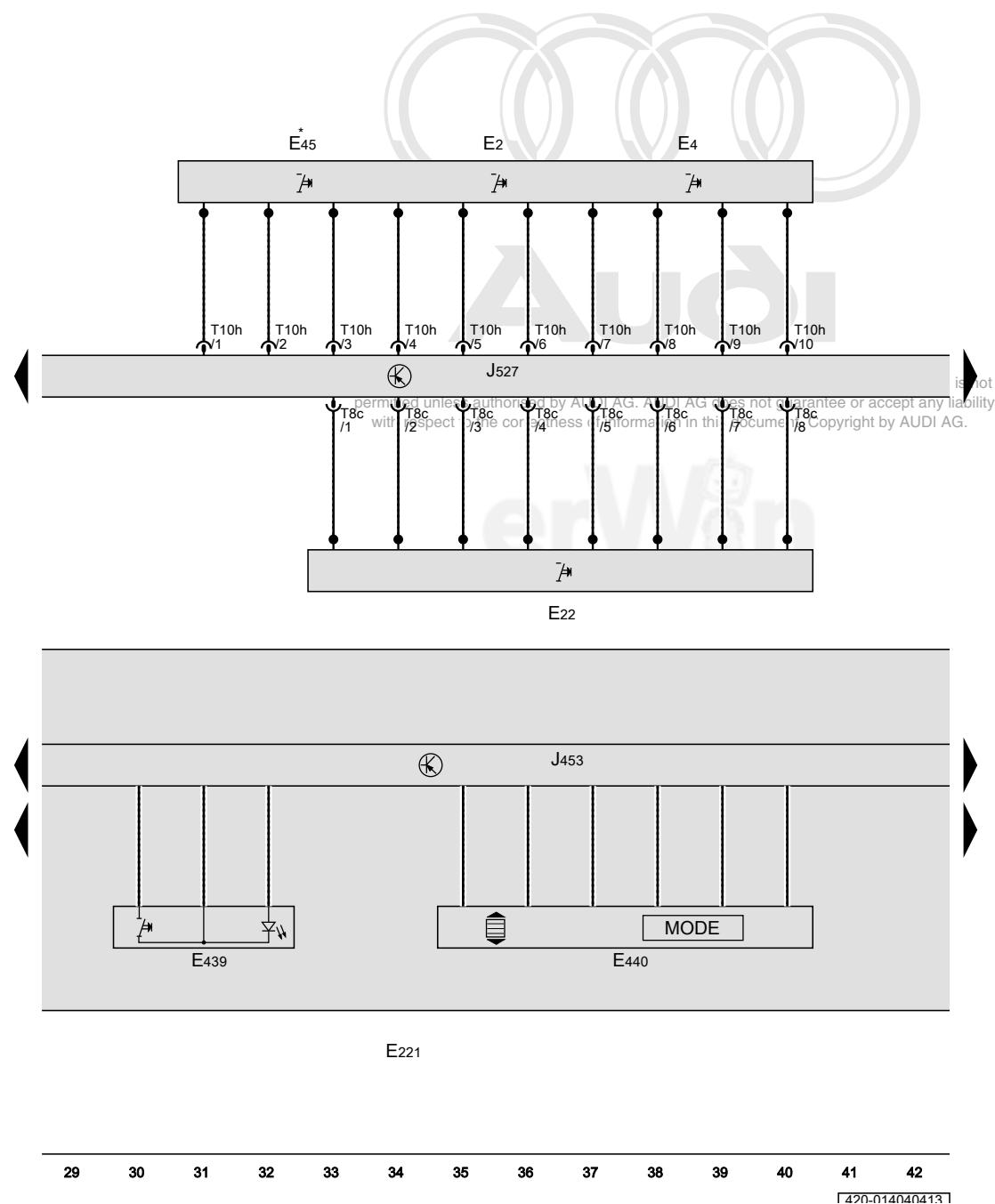
Control unit in steering wheel, Signal horn activation,
Steering column electronics control module, Driver airbag
igniter, Driver airbag igniter 2



- E221** Control unit in steering wheel
F138 Airbag spiral spring/return spring with slip ring
H Signal horn activation
J234 Airbag control module
J453 Multifunction steering wheel control module
J527 Steering column electronics control module
N95 Driver airbag igniter
N250 Driver airbag igniter 2
T4c 4-pin connector, yellow
T10i 10-pin connector
T75 75-pin connector, yellow
* Short circuit bridge operates when the connector is disconnector



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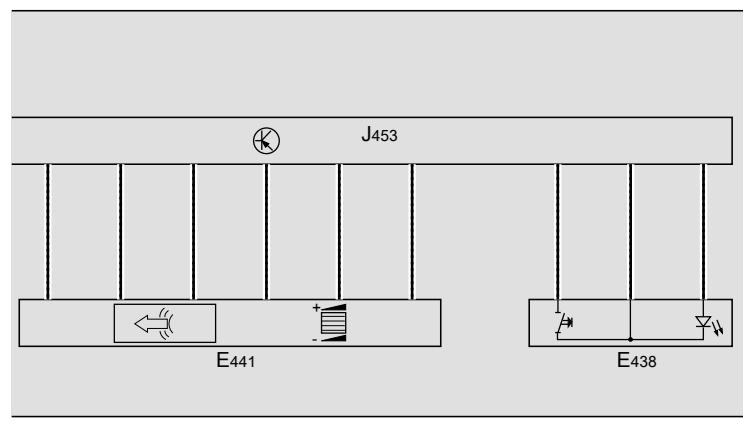
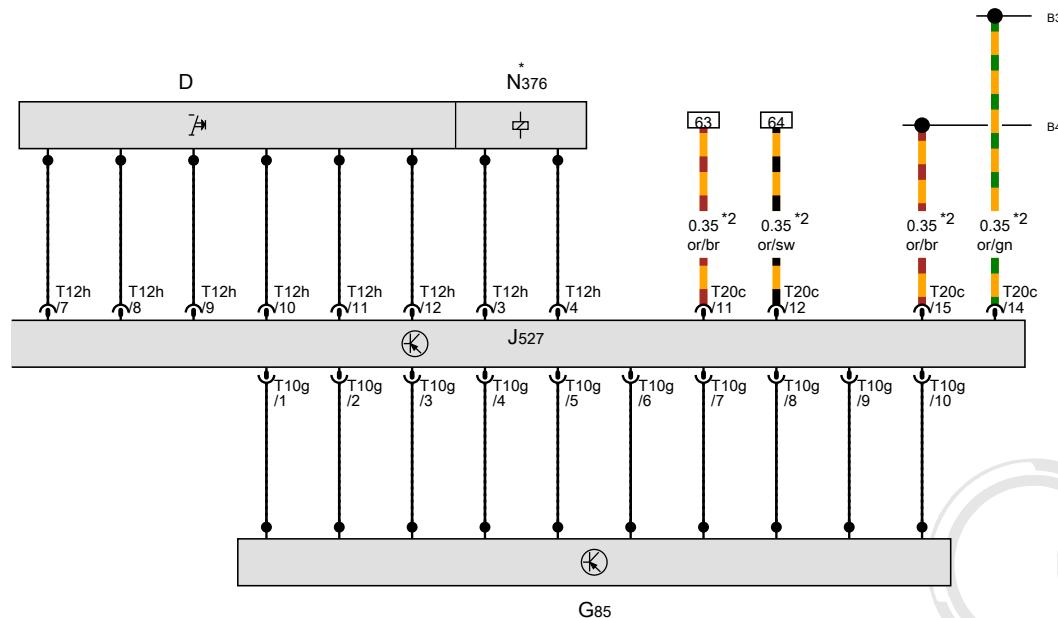


**Turn signal switch, Headlamp dimmer/flasher switch,
Windshield wiper intermittent mode switch, Cruise control
switch, Control unit in steering wheel, tiptronic downshift
button on steering wheel, Steering column electronics
control module**

- E2 Turn signal switch
- E4 Headlamp dimmer/flasher switch
- E22 Windshield wiper intermittent mode switch
- E45 Cruise control switch
- E221 Control unit in steering wheel
- E439 tiptronic downshift button on steering wheel
- E440 Left multifunction buttons on steering wheel
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- T8c 8-pin connector
- T10h 10-pin connector
- * Only for vehicles with cruise control

Ignition/starter switch, Control unit in steering wheel, tiptronic upshift button on steering wheel, Right multifunction buttons on steering wheel, Steering angle sensor, Steering column electronics control module, Ignition switch key lock solenoid

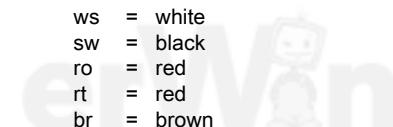
- D Ignition/starter switch
- E221 Control unit in steering wheel
- E438 tiptronic upshift button on steering wheel
- E441 Right multifunction buttons on steering wheel
- G85 Steering angle sensor
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N376 Ignition switch key lock solenoid
- T10g 10-pin connector
- T12h 12-pin connector
- T20c 20-pin connector, black
- (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
- (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
- * Only for vehicles with automated manual transmission (R tronic)
086
- *² Data bus wire (CAN bus)



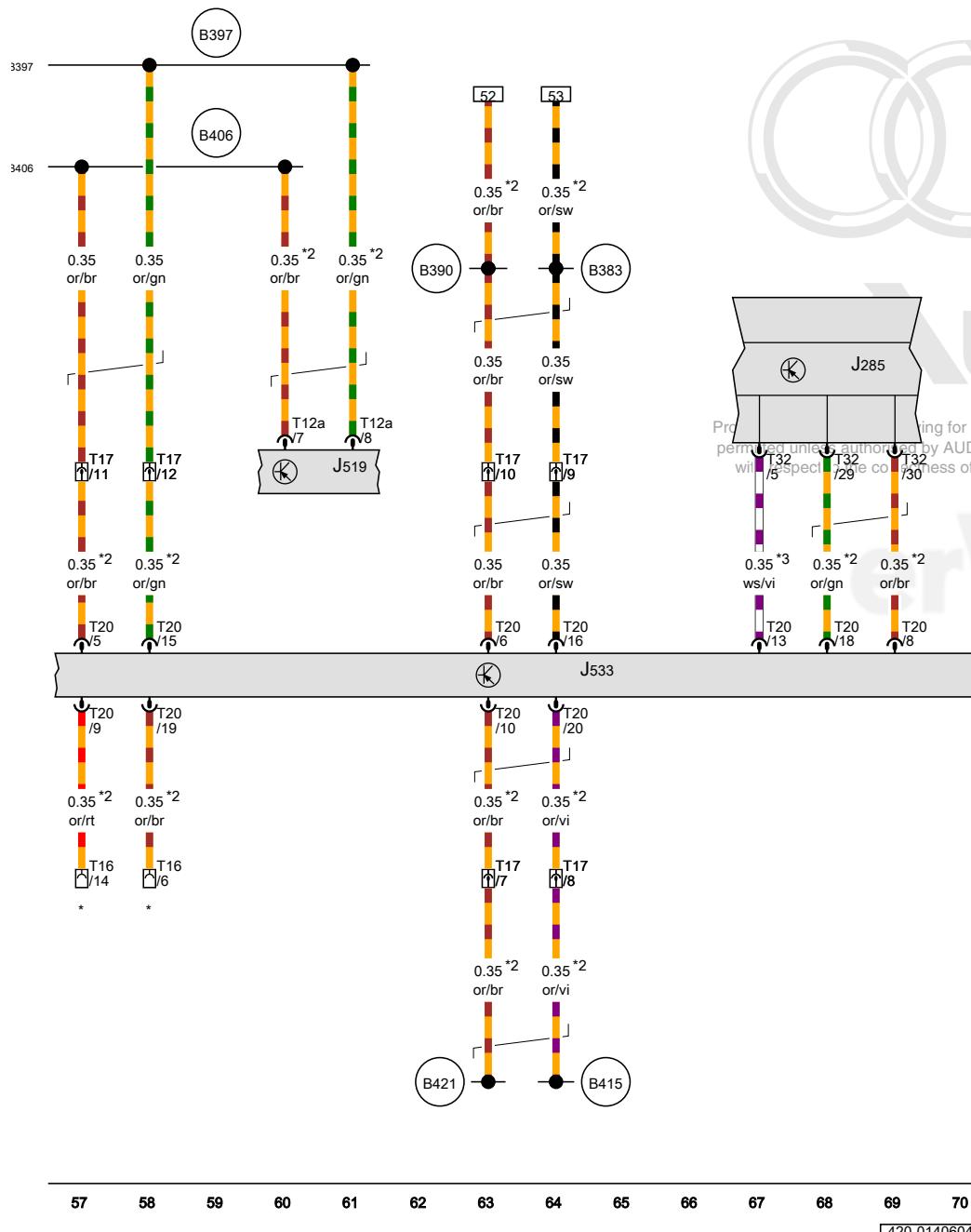
43 44 45 46 47 48 49 50 51 52 53 54 55 56

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Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
 J519 Vehicle electrical system control module
 J533 Data bus on board diagnostic interface
 T12a 12-pin connector, black
 T16 16-pin connector, black
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T20 20-pin connector, red
 T32 32-pin connector
 B383 Powertrain CAN bus high connection 1 (in main wiring harness)
 B390 Powertrain CAN bus low connection 1 (in main wiring harness)
 B397 Comfort system CAN bus high connection 1 (in main wiring harness)
 B406 Comfort system CAN bus low connection 1 (in main wiring harness)
 B415 Infotainment CAN Bus high connection 1 (in main wiring harness)
 B421 Infotainment CAN bus low connection 1 (in main wiring harness)

* Diagnostic connector
 *2 Data bus wire (CAN bus)
 *3 Prompt wire

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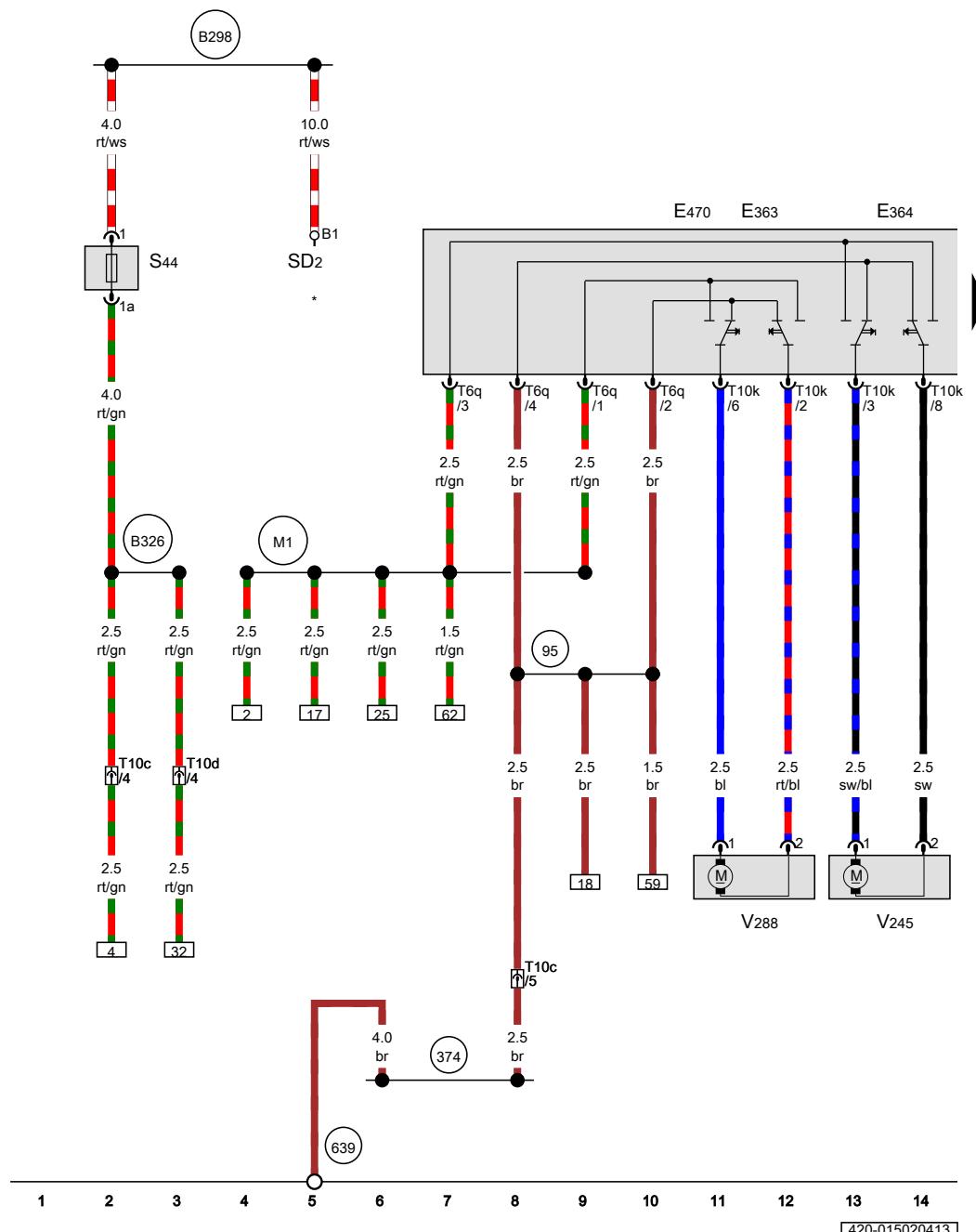
Power seats

from May 2006



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Driver seat adjustment control head, Driver power seat adjustment circuit breaker 1, Driver seat height adjustment motor, Seat forward/back adjustment motor

- E363 Driver seat forward/back adjustment switch
- E364 Driver seat height adjustment switch
- E470 Driver seat adjustment control head
- SD2 Fuse 2 (on fuse panel D)
- S44 Driver power seat adjustment circuit breaker 1, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
- T6q 6-pin connector
- T10c 10-pin connector, under the driver seat, red
- T10d 10-pin connector, under the front passenger seat, red
- T10k 10-pin connector
- V245 Driver seat height adjustment motor
- V288 Seat forward/back adjustment motor
- (95) Ground connection 1 (in seat adjustment wiring harness)
- (374) Ground connection 9 (in main wiring harness)
- (639) Ground connection on left A-pillar
- (B298) Positive connection 2 (30) (in main wiring harness)
- (B326) Positive connection 12 (30a) (in main wiring harness)
- (M1) Positive connection 1 (30) (in seat adjustment wiring harness)
- * Main fuse box in the right front footwell

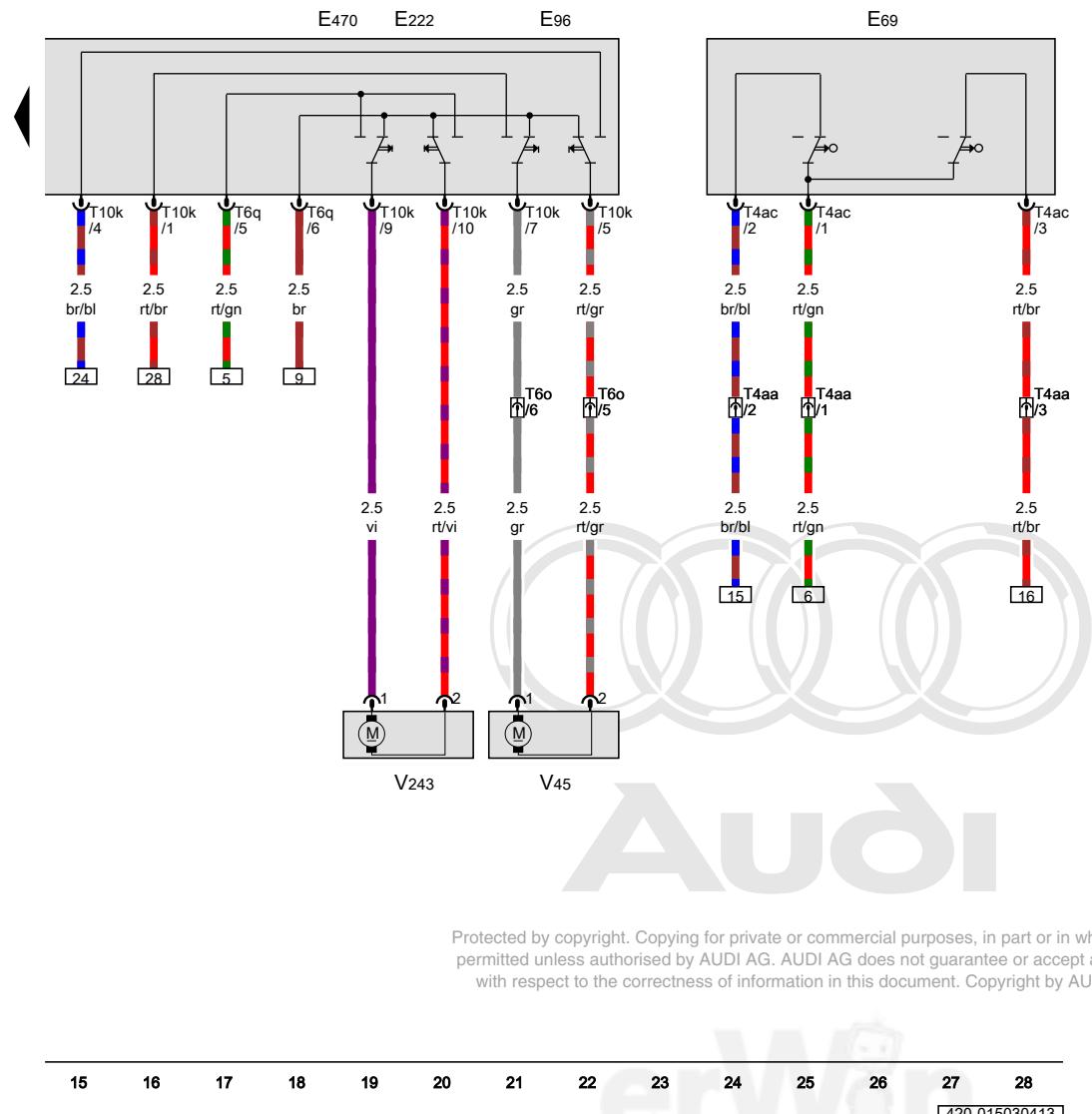
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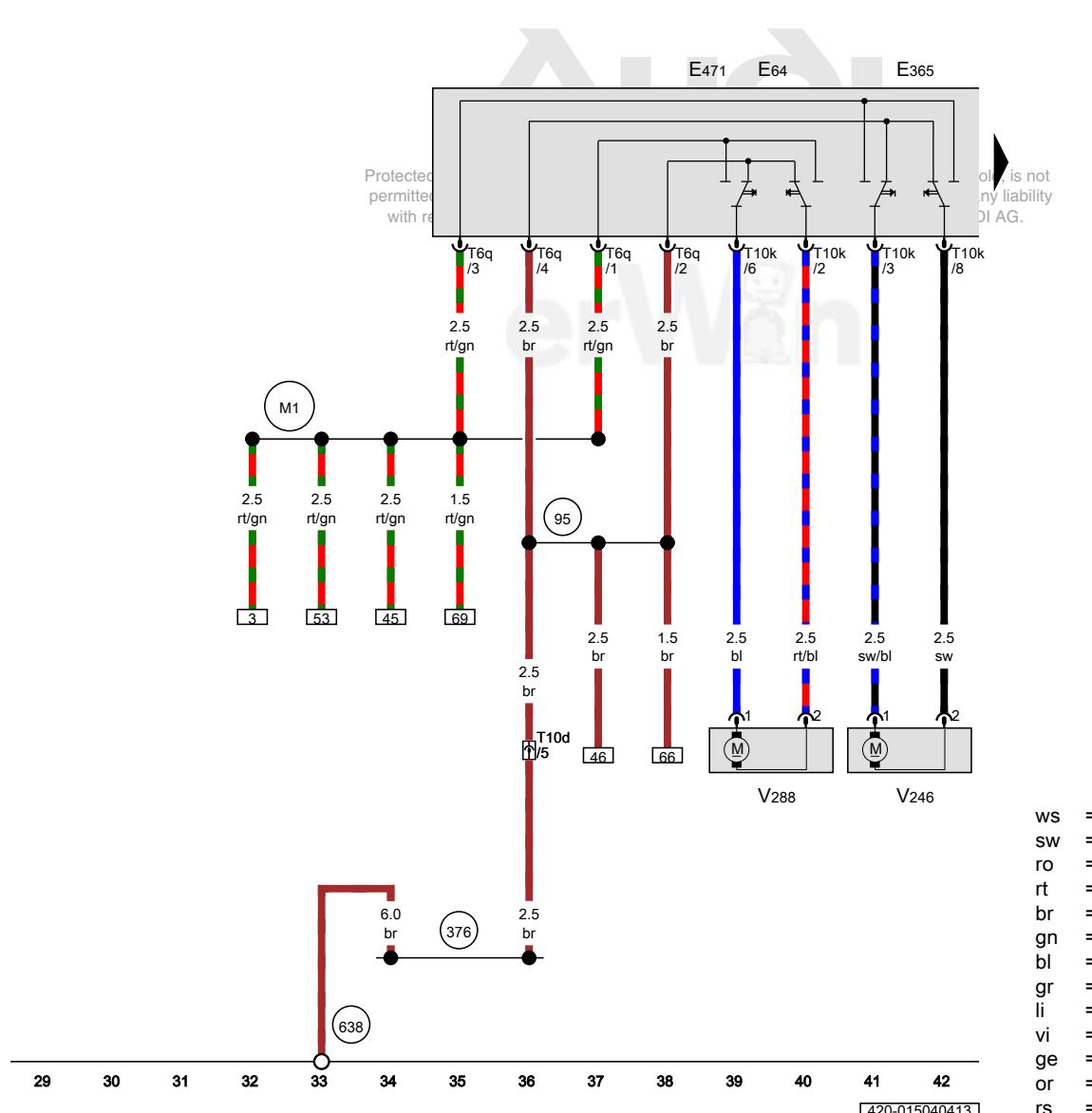


Driver backrest stop switch, Driver seat adjustment control head

- E69 Driver backrest stop switch
- E96 Driver backrest adjustment switch
- E222 Driver seat angle adjustment switch
- E470 Driver seat adjustment control head
- T4aa 4-pin connector, in the driver seat
- T4ac 4-pin connector
- T6o 6-pin connector, in the driver seat
- T6q 6-pin connector
- T10k 10-pin connector
- V45 Driver backrest adjustment motor
- V243 Driver seat angle adjustment motor



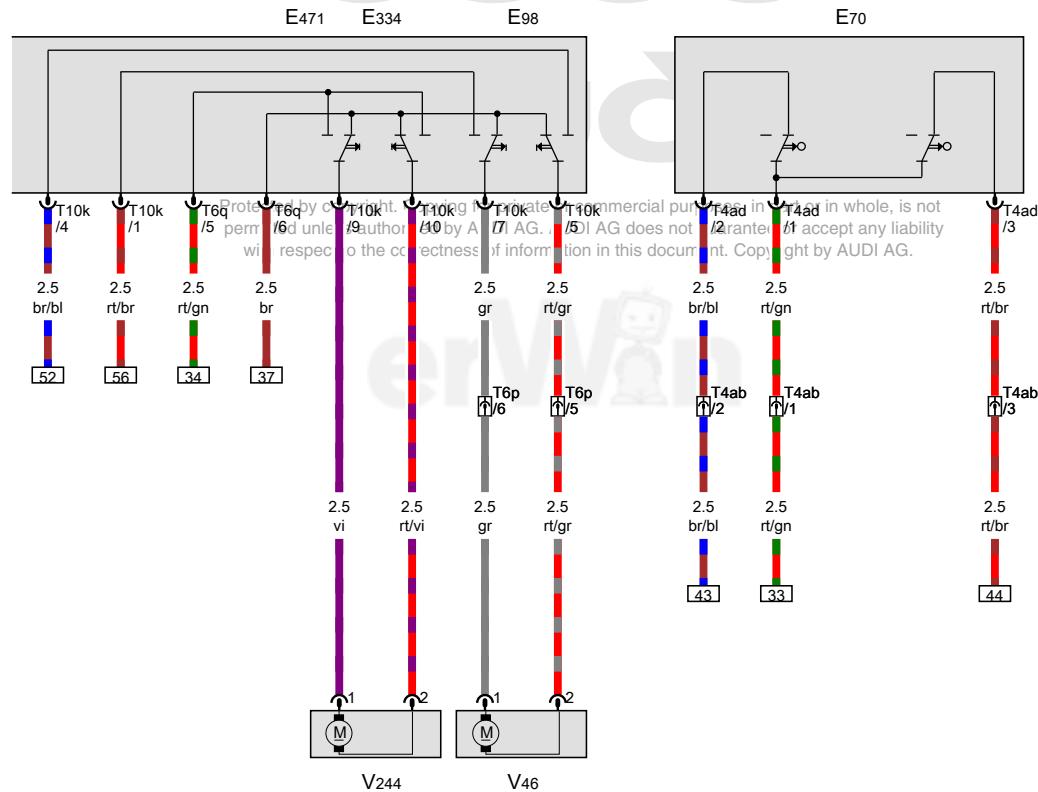
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Front passenger seat adjustment control head, Front passenger seat height adjustment motor, Seat forward/back adjustment motor

- E64 Front passenger seat forward/back adjustment switch
- E365 Front passenger seat height adjustment switch
- E471 Front passenger seat adjustment control head
- T6q 6-pin connector
- T10d 10-pin connector, under the front passenger seat, red
- T10k 10-pin connector
- V246 Front passenger seat height adjustment motor
- V288 Seat forward/back adjustment motor
- (95) Ground connection 1 (in seat adjustment wiring harness)
- (376) Ground connection 11 (in main wiring harness)
- (638) Ground connection on right A-pillar
- (M1) Positive connection 1 (30) (in seat adjustment wiring harness)

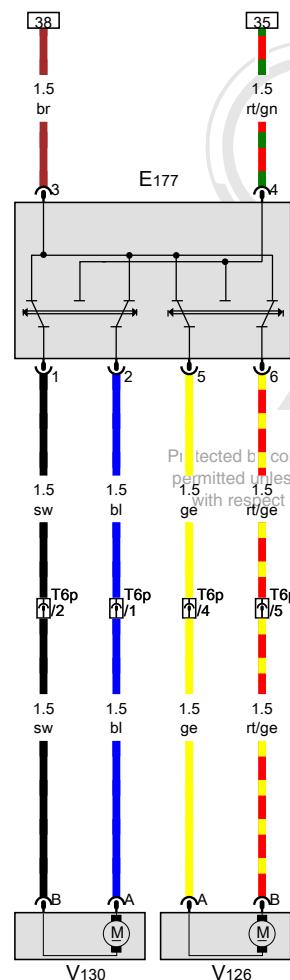
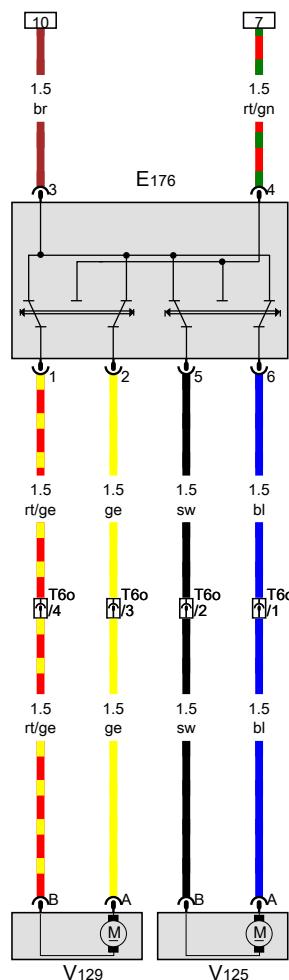
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| rs | = pink |


E471 E334 E98

Front passenger backrest stop switch, Front passenger seat adjustment control head

- E70 Front passenger backrest stop switch
- E98 Front passenger backrest adjustment switch
- E334 Front passenger seat angle adjustment button
- E471 Front passenger seat adjustment control head
- T4ab 4-pin connector, in the front passenger seat
- T4ad 4-pin connector
- T6p 6-pin connector, in the front passenger seat
- T6q 6-pin connector
- T10k 10-pin connector
- V46 Front passenger backrest adjustment motor
- V244 Front passenger seat angle adjustment motor

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

420-0150504131



Driver seat lumbar support adjustment switch, Front passenger seat lumbar support adjustment switch

- E176 Driver seat lumbar support adjustment switch
- E177 Front passenger seat lumbar support adjustment switch
- T6o 6-pin connector, in the driver seat
- T6p 6-pin connector, in the front passenger seat
- V125 Driver seat lumbar support curvature adjustment motor
- V126 Front passenger seat lumbar support curvature adjustment motor
- V129 Driver seat lumbar support height adjustment motor
- V130 Front passenger seat lumbar support height adjustment motor

Audi

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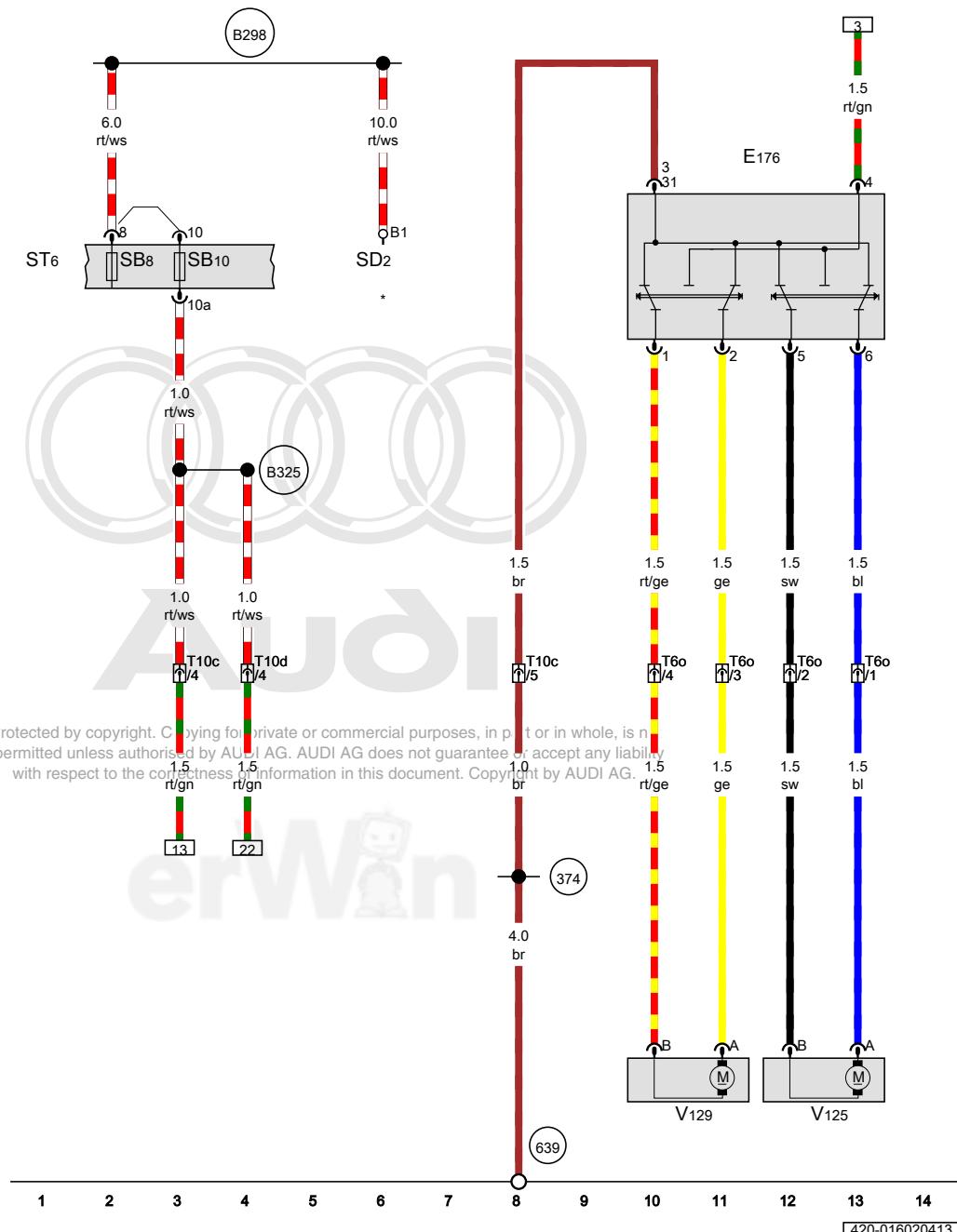
Lumbar support adjustment

from May 2006



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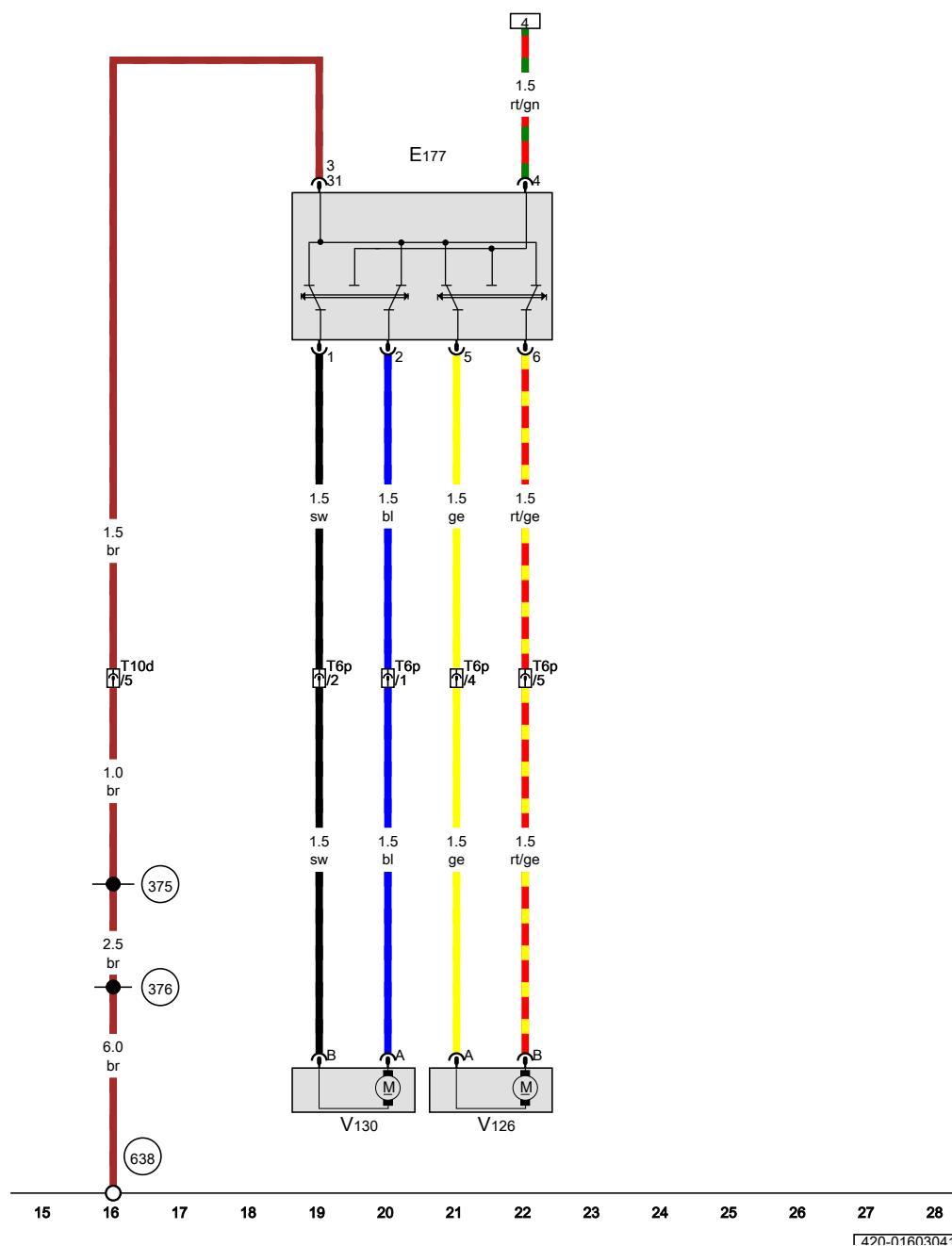



Driver seat lumbar support adjustment switch

- E176 Driver seat lumbar support adjustment switch
 - SD2 Fuse 2 (on fuse panel D)
 - ST6 Fuse panel 6
 - SB8 Fuse 8 (on fuse panel B)
 - SB10 Fuse 10 (on fuse panel B)
 - T6o 6-pin connector, in the driver seat
 - T10c 10-pin connector, under the driver seat, red
 - T10d 10-pin connector, under the front passenger seat, red
 - V125 Driver seat lumbar support curvature adjustment motor
 - V129 Driver seat lumbar support height adjustment motor
 - (374) Ground connection 9 (in main wiring harness)
 - (639) Ground connection on left A-pillar
 - (B298) Positive connection 2 (30) (in main wiring harness)
 - (B325) Positive connection 11 (30a) (in main wiring harness)
- * Main fuse box in the right front footwell

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Front passenger seat lumbar support adjustment switch

- E177 Front passenger seat lumbar support adjustment switch
- T6p 6-pin connector, in the front passenger seat
- T10d 10-pin connector, under the front passenger seat, red
- V126 Front passenger seat lumbar support curvature adjustment motor
- V130 Front passenger seat lumbar support height adjustment motor
- 375 Ground connection 10 (in main wiring harness)
- 376 Ground connection 11 (in main wiring harness)
- 638 Ground connection on right A-pillar

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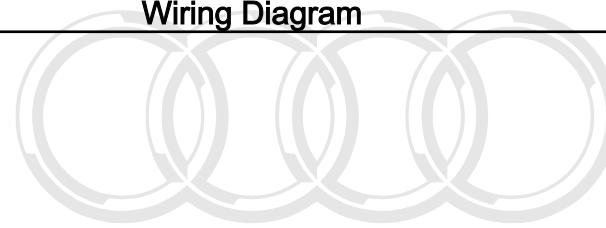
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erWin

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Heated seats

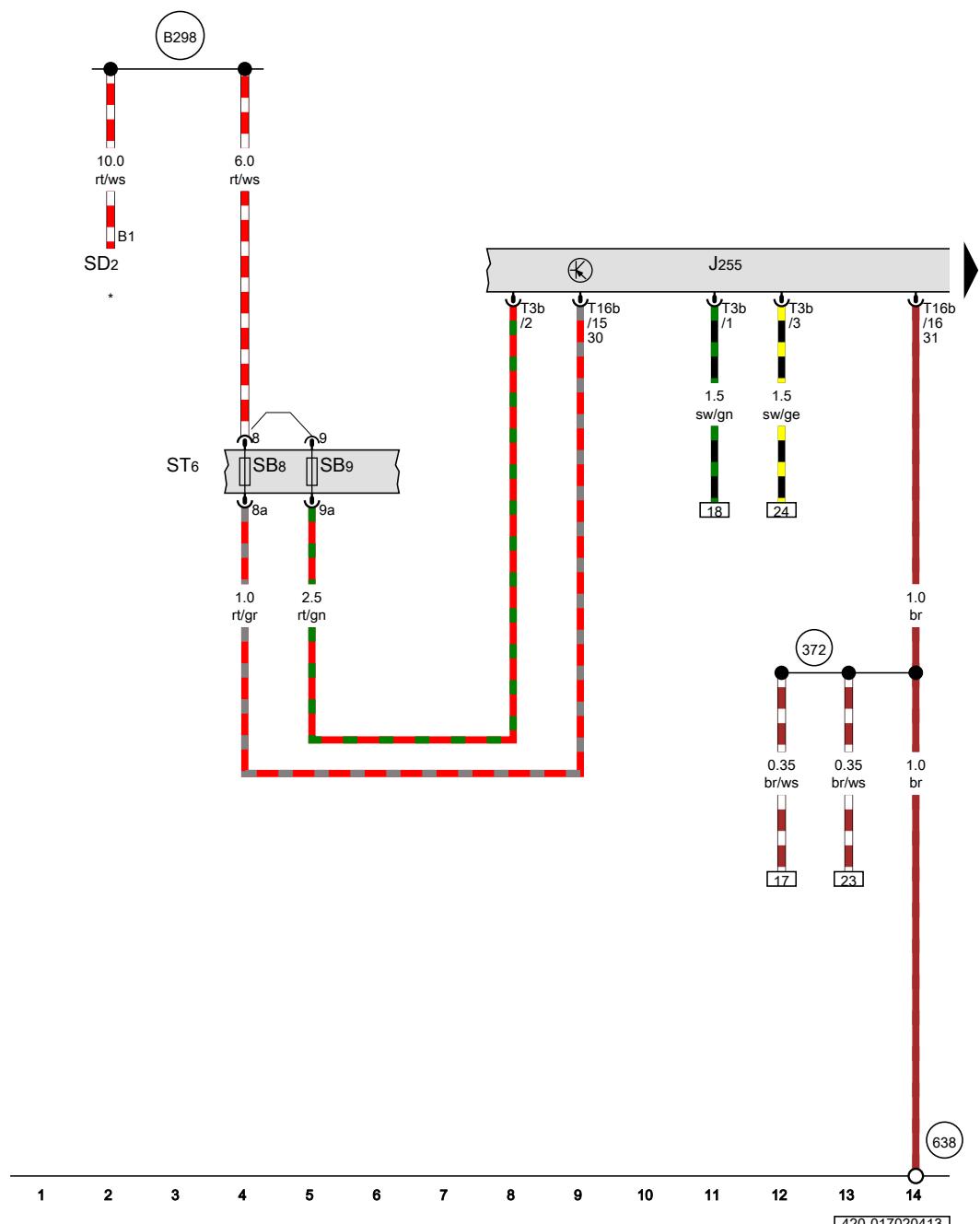
from May 2006



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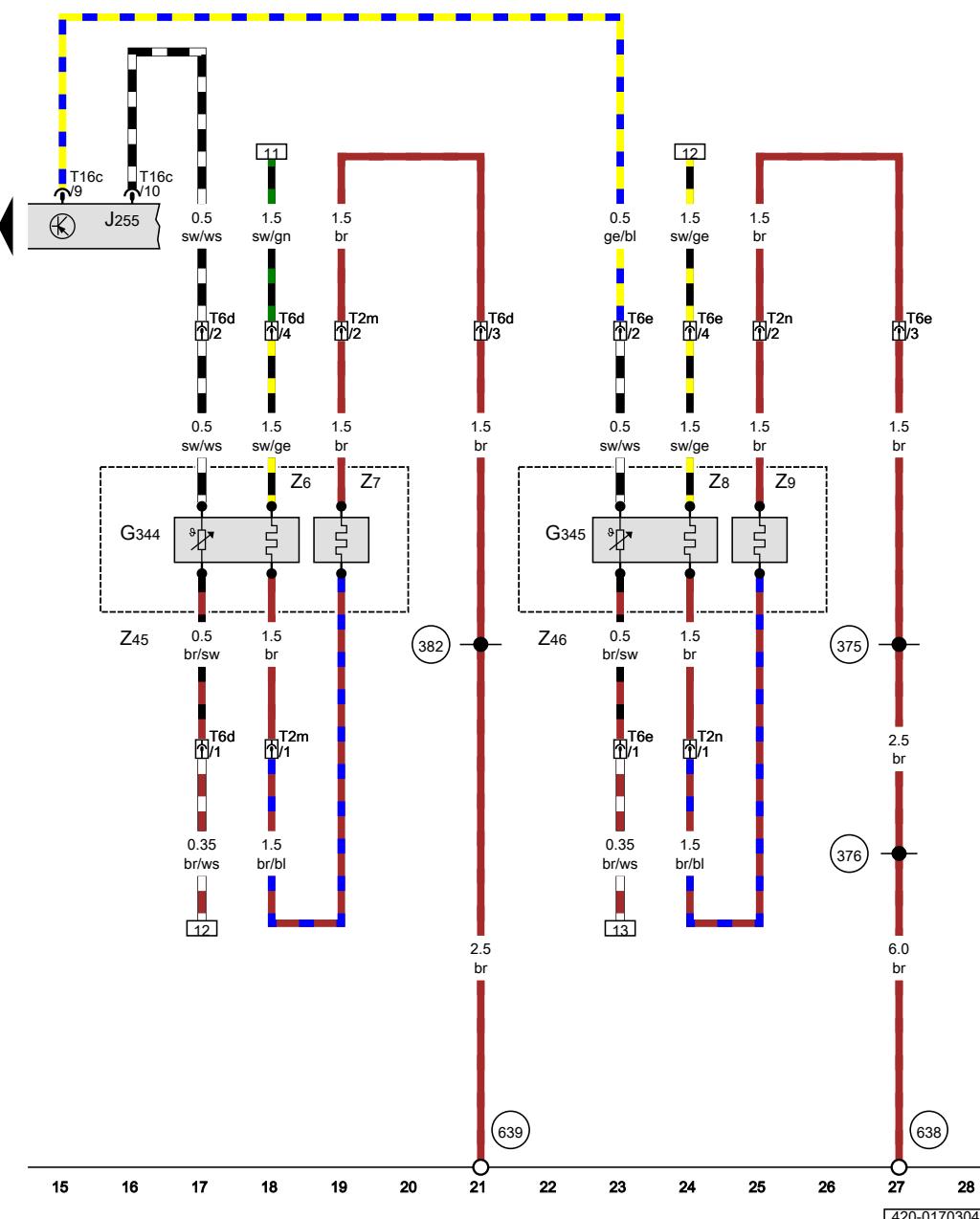
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Climatronic control module

- J255 Climatronic control module
 - SD2 Fuse 2 (on fuse panel D)
 - ST6 Fuse panel 6
 - SB8 Fuse 8 (on fuse panel B)
 - SB9 Fuse 9 (on fuse panel B)
 - T3b 3-pin connector, black
 - T16b 16-pin connector, black
 - (372) Ground connection 7 (in main wiring harness)
 - (638) Ground connection on right A-pillar
 - (B298) Positive connection 2 (30) (in main wiring harness)
- * Main fuse box in the right front footwell

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Left front seat temperature sensor, Right front seat temperature sensor, Climatronic control module, Left front seat heating element, Right front seat heating element

- G344 Left front seat temperature sensor
 - G345 Right front seat temperature sensor
 - J255 Climatronic control module
 - T2m Double connector, in the driver seat
 - T2n Double connector, in the front passenger seat
 - T6d 6-pin connector, under the driver seat, green
 - T6e 6-pin connector, under the front passenger seat, green
 - T16c 16-pin connector, brown
 - Z6 Driver seat heating element
 - Z7 Driver backrest heating element
 - Z8 Front passenger seat heating element
 - Z9 Front passenger backrest heating element
 - Z45 Left front seat heating element
 - Z46 Right front seat heating element

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- 376 Ground connection 11 (in main wiring harness)
 - 382 Ground connection 17 (in main wiring harness)
 - 638 Ground connection on right A-pillar
 - 639 Ground connection on left A-pillar

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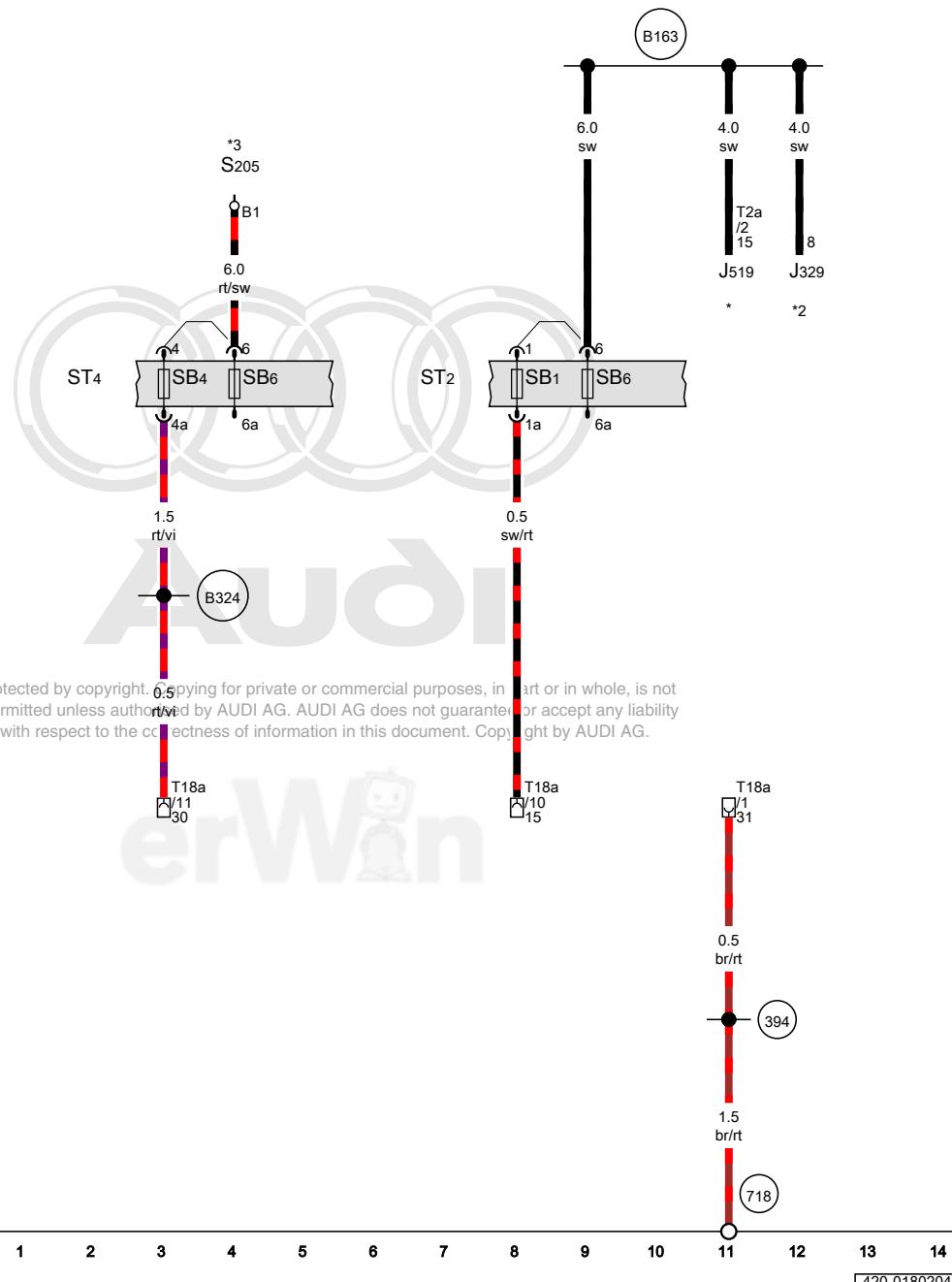
Cell phone preparation without hands-free system (Infotainment CAN bus)

From June 2006

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Fuse panel 2, Fuse panel 4

- J329 Terminal 15 power supply relay, Relay carrier in the right front footwell
 J519 Vehicle electrical system control module
 SB1 Fuse 1 (on fuse panel B)
 ST2 Fuse panel 2
 SB4 Fuse 4 (on fuse panel B)
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T2a Double connector
 T18a 18-pin connector, behind the glove compartment
 394 Ground connection 29 (in main wiring harness)
 718 Audio ground connection under rear shelf
 B163 Positive connection 1 (15) (in interior wiring harness)
 B324 Positive connection 10 (30a) (in main wiring harness)

* Through May 2009

*2 From June 2009

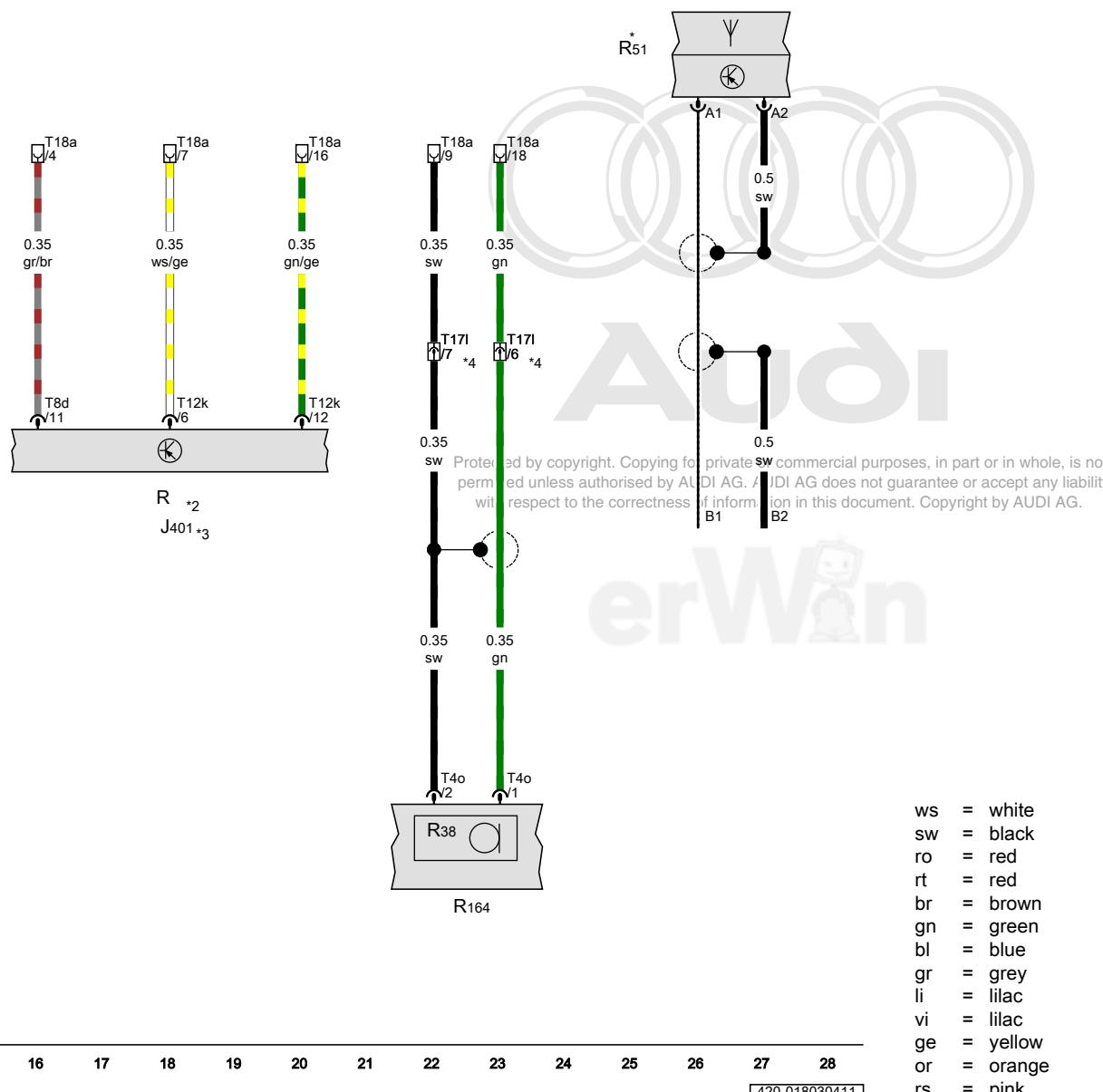
*3 Main distribution in the right front footwell

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Telephone microphone, Radio/telephone antenna,
Microphone unit in front roof module, 18-pin connector



J401 Navigation system with CD drive control module

R Radio

R38 Telephone microphone

R51 Radio/telephone antenna

R164 Microphone unit in front roof module

T4o 4-pin connector

T8d 8-pin connector

T12k 12-pin connector

T17I 17-pin connector, on the left A-pillar

T18a 18-pin connector, behind the glove compartment

* Telephone antenna, rear lid

*2 Only for vehicles with a radio

*3 Only for vehicles with radio navigation system

*4 Depending on equipment

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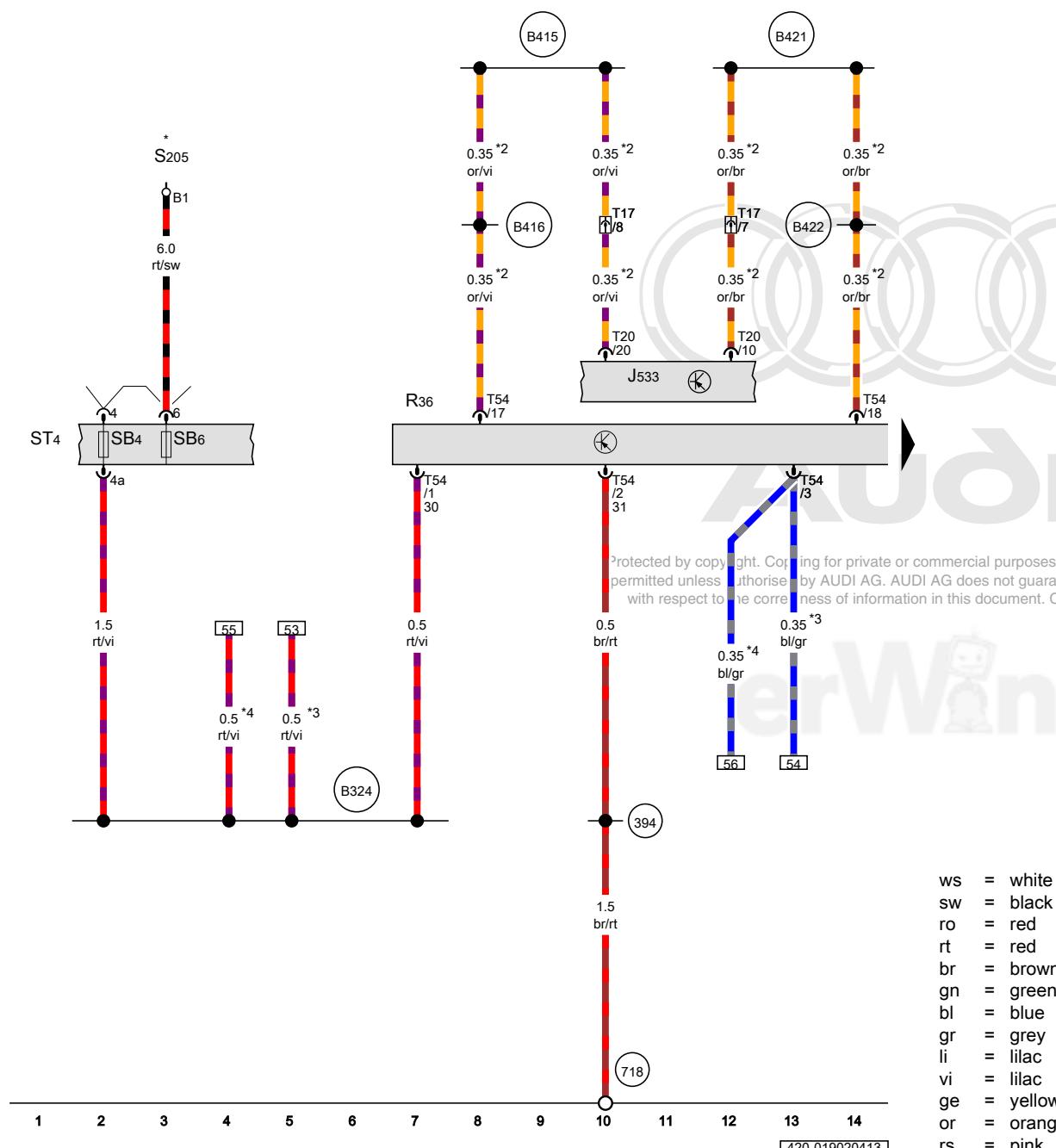
Cell phone preparation

from May 2006



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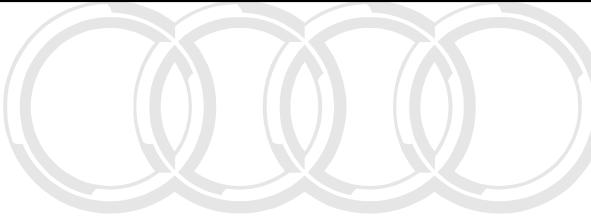




Telephone transceiver

- J533 Data bus on board diagnostic interface
 - R36 Telephone transceiver
 - ST4 Fuse panel 4
 - SB4 Fuse 4 (on fuse panel B)
 - SB6 Fuse 6 (on fuse panel B)
 - S205 Fuse 2 (terminal 30)
 - T17 17-pin connector, Inside the center console connector station on the right side, red
 - T20 20-pin connector, red
 - T54 54-pin connector
 - 394 Ground connection 29 (in main wiring harness)
 - 718 Audio ground connection under rear shelf
 - B324 Positive connection 10 (30a) (in main wiring harness)
 - B415 Infotainment CAN Bus high connection 1 (in main wiring harness)
 - B416 Infotainment CAN Bus high connection 2 (in main wiring harness)
 - B421 Infotainment CAN bus low connection 1 (in main wiring harness)
 - B422 Infotainment CAN bus low connection 2 (in main wiring harness)
- * Main distribution in the right front footwell
 *² Infotainment CAN bus
 *³ Through May 2008
 *⁴ from June 2008

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

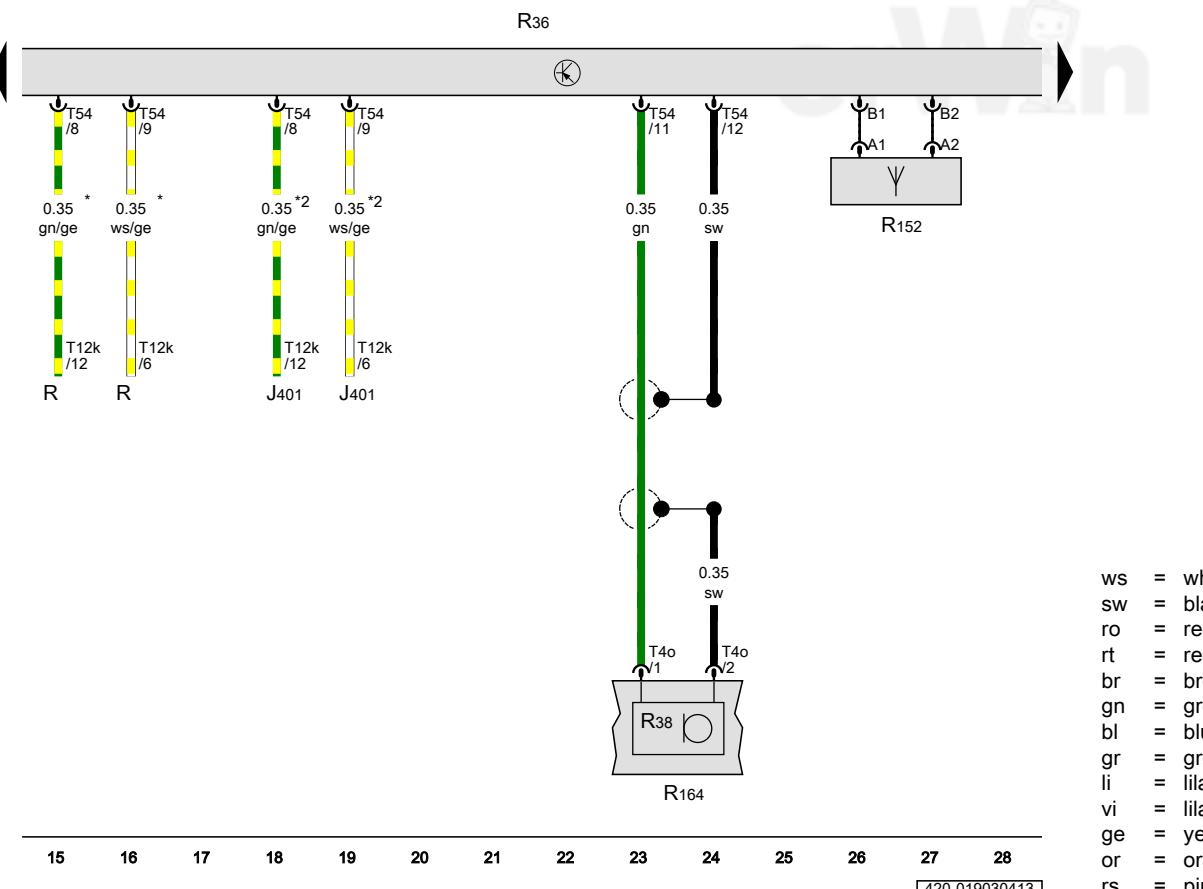


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Telephone transceiver, Bluetooth antenna, Microphone unit in front roof module

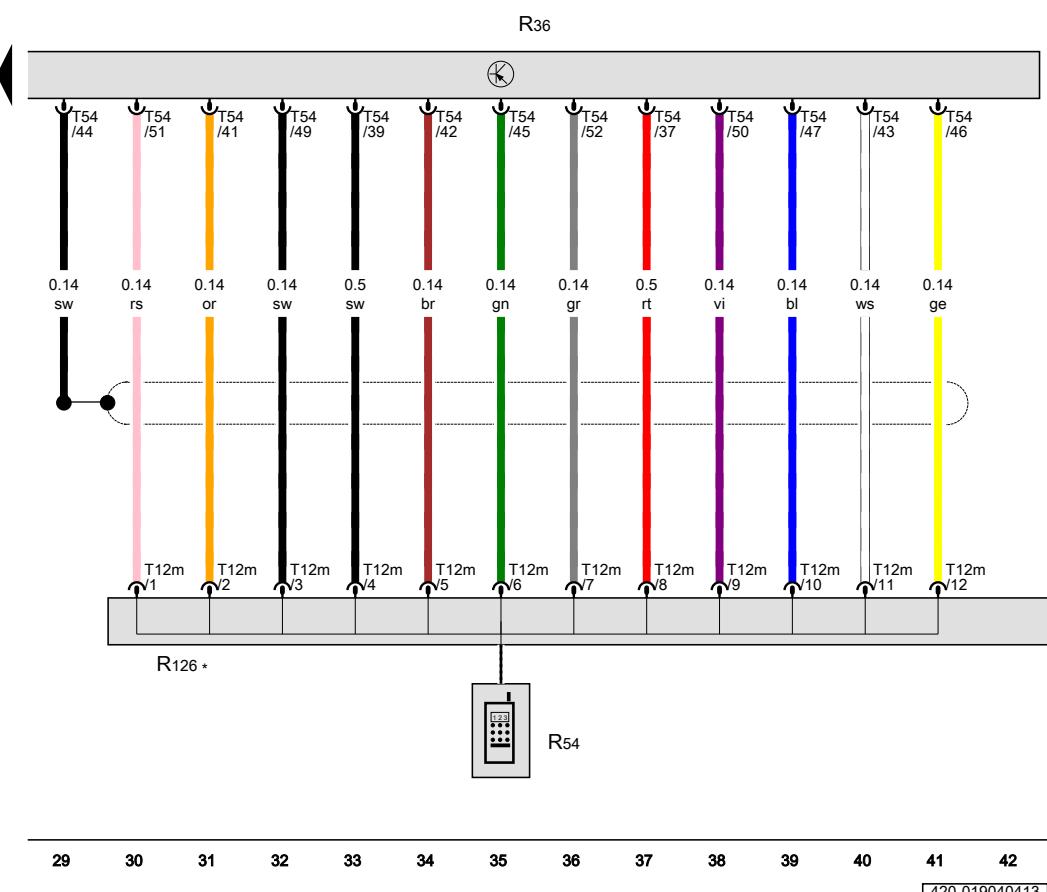
- J401 Navigation system with CD drive control module
- R Radio
- R36 Telephone transceiver
- R38 Telephone microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- T4o 4-pin connector
- T12k 12-pin connector
- T54 54-pin connector
- * Only for vehicles with a radio
- *2 Only for vehicles with radio/navigation RNS-E

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Telephone transceiver, Cellular telephone, Telephone baseplate

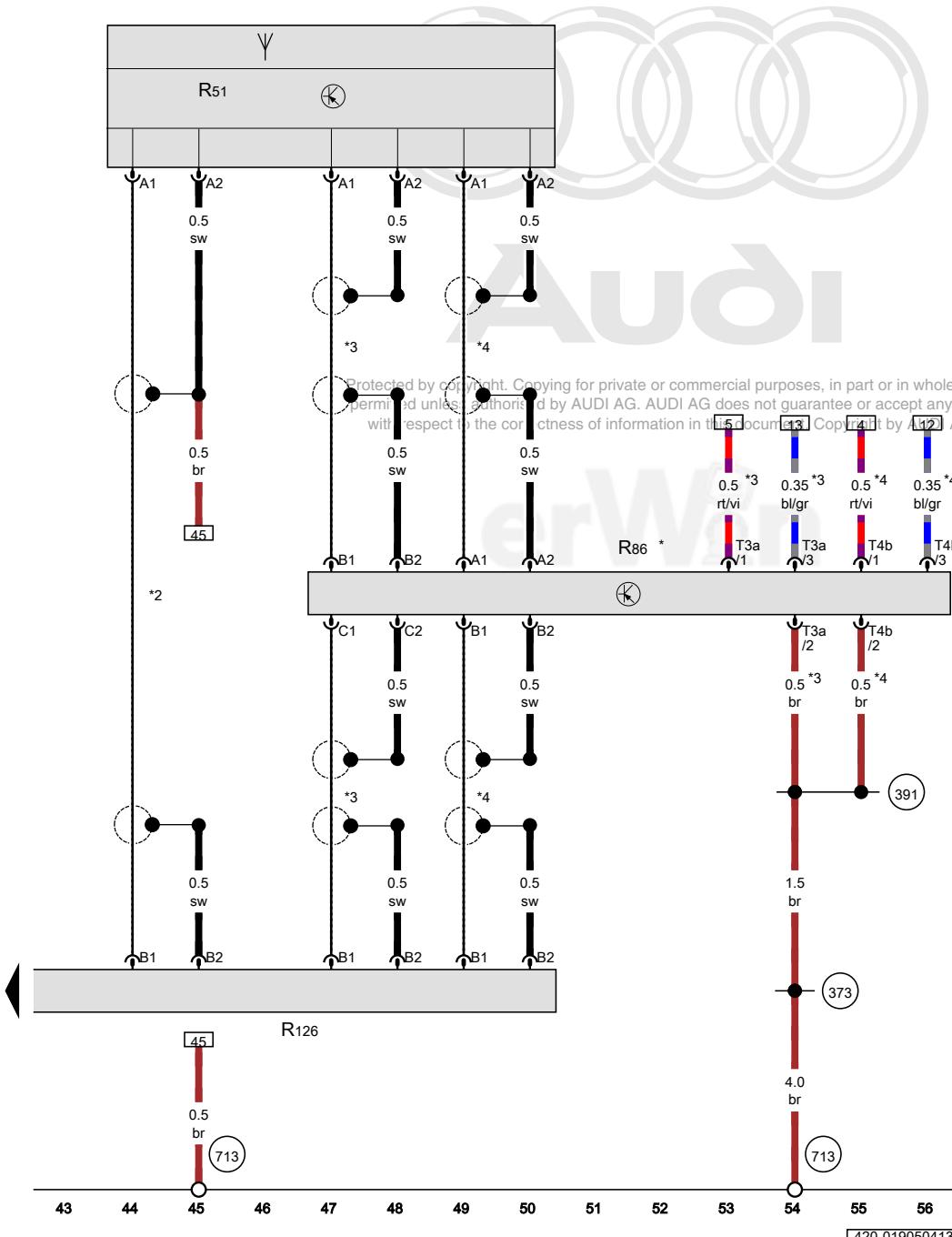
- R36 Telephone transceiver
- R54 Cellular telephone
- R126 Telephone baseplate
- T12m 12-pin connector
- T54 54-pin connector
- * Not for USA



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

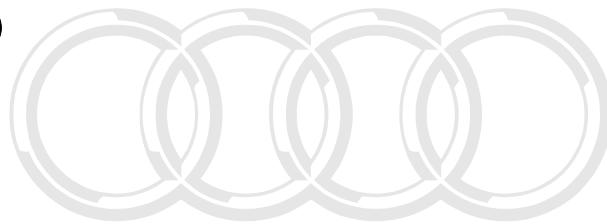



**Radio/telephone antenna, Cellular telephone amplifier,
Telephone baseplate**

- | | |
|------|---|
| R51 | Radio/telephone antenna |
| R86 | Cellular telephone amplifier |
| R126 | Telephone baseplate |
| T3a | 3-pin connector |
| T4b | 4-pin connector |
| 373 | Ground connection 8 (in main wiring harness) |
| 391 | Ground connection 26 (in main wiring harness) |
| 713 | Ground connection under rear shelf, right |
- * Not for USA
 *2 USA only
 *3 Through May 2008
 *4 from June 2008

| | |
|----|----------|
| 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 |

Airbag systems (US equipment)
from May 2006

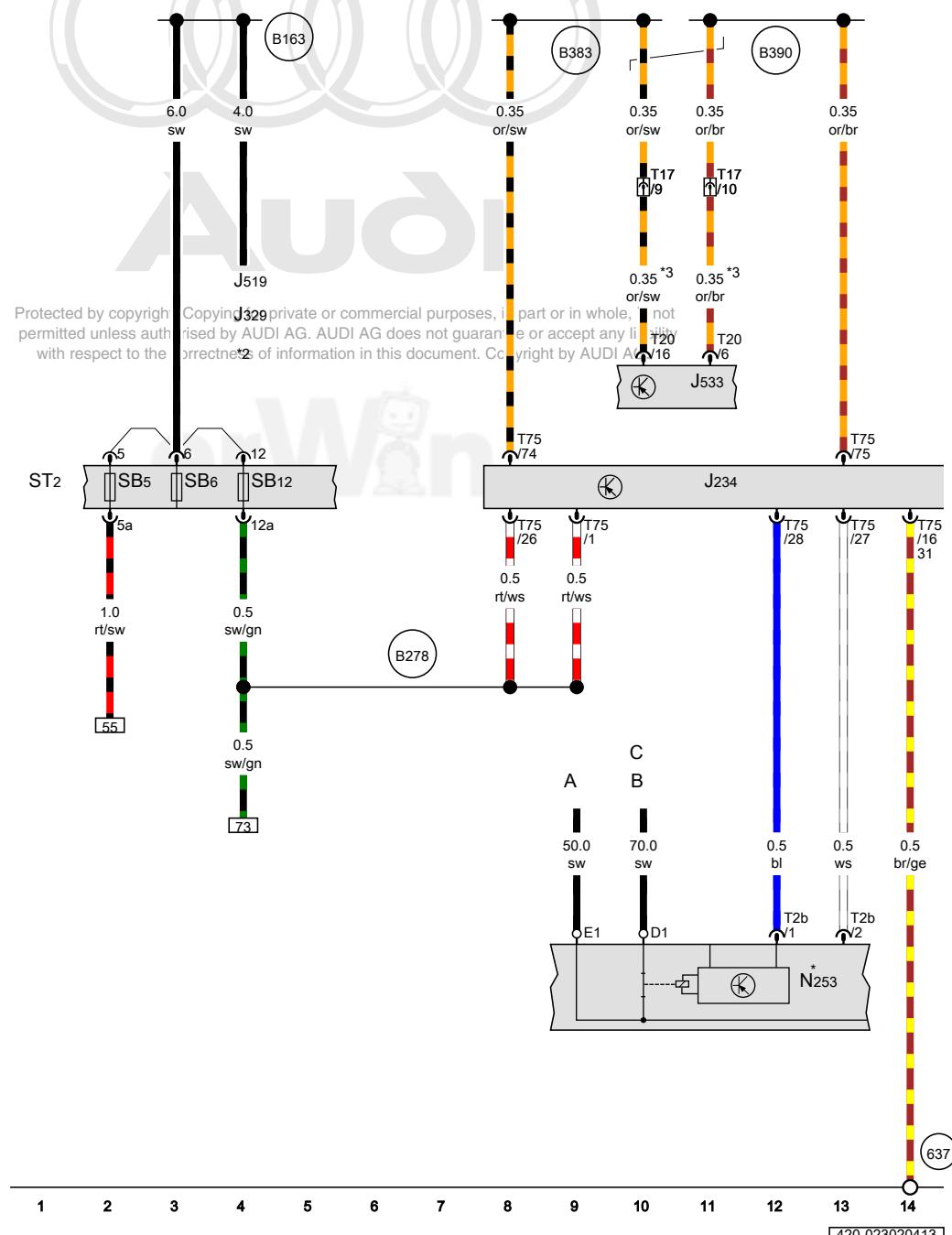


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erWin

The erWin logo, featuring the word "erWin" in a stylized font with a small 3D character icon integrated into the letter "e".



Airbag control module, Data bus on board diagnostic interface

- A Battery
 - B Starter
 - C Generator
 - J234 Airbag control module
 - J329 Terminal 15 power supply relay
 - J519 Vehicle electrical system control module
 - J533 Data bus on board diagnostic interface
 - N253 Battery interrupt igniter
 - ST2 Fuse panel 2
 - SB5 Fuse 5 (on fuse panel B)
 - SB6 Fuse 6 (on fuse panel B)
 - SB12 Fuse 12 (on fuse panel B)
 - T2b Double connector
 - T17 17-pin connector, Inside the center console connector station on the right side, red
 - T20 20-pin connector, red
 - T75 75-pin connector, yellow
 - 637 Airbag control module ground connection
 - B163 Positive connection 1 (15) (in interior wiring harness)
 - B278 Positive connection 2 (15a) (in main wiring harness)
 - B383 Powertrain CAN bus high connection 1 (in main wiring harness)
 - B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- * Main fuse box in the right front footwell
*2 Refer to applicable standard equipment wiring diagram
*3 Data bus wire (CAN bus)

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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 |

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
- T4c 4-pin connector, on the steering column electronics control module, yellow
- T5d 5-pin connector, behind the instrument panel, right, yellow
- T75 75-pin connector, yellow

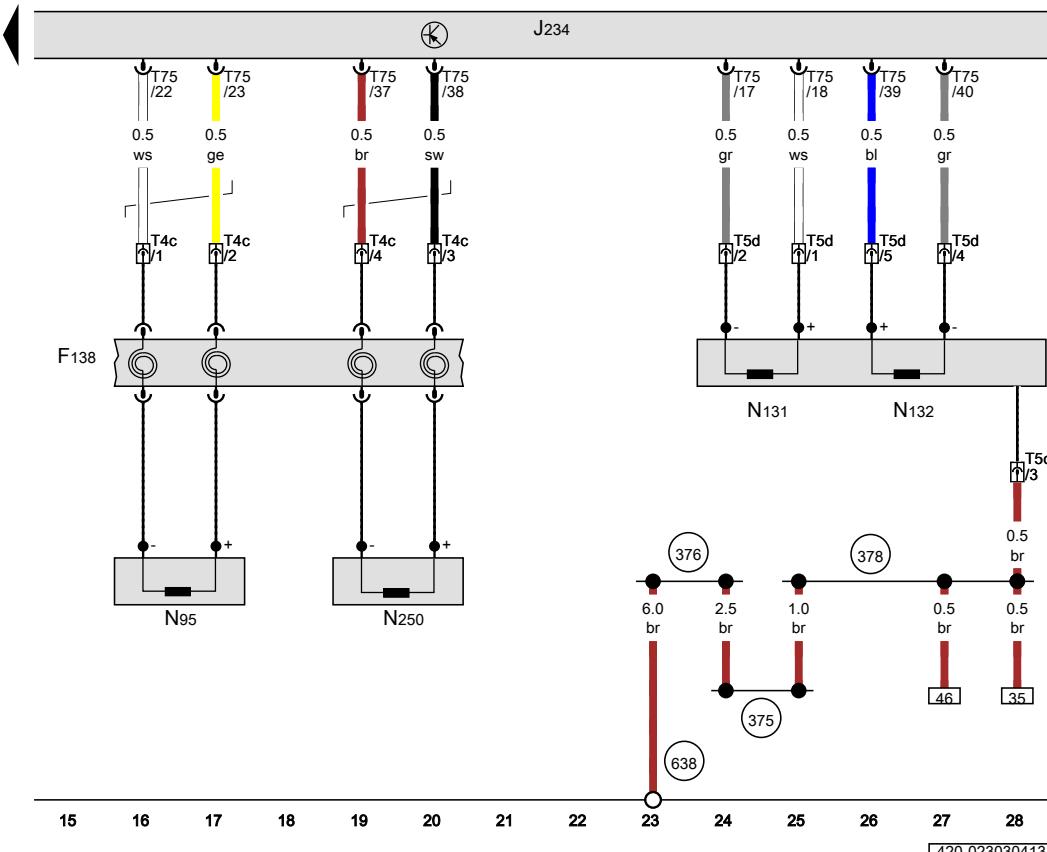
375 Ground connection 10 (in main wiring harness)

376 Ground connection 11 (in main wiring harness)

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378 Ground connection 13 (in main wiring harness)

638 Ground connection on right A-pillar



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

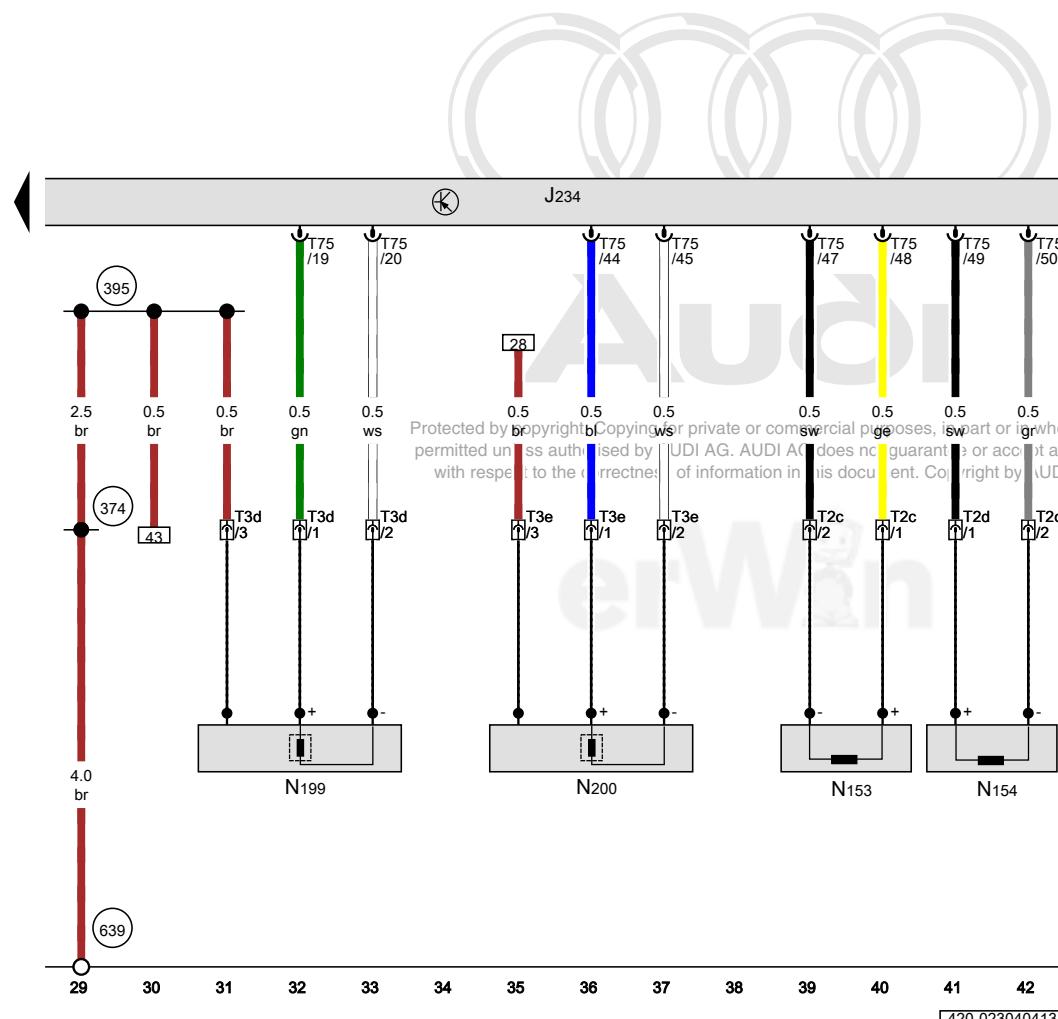
Airbag control module, Driver seat belt tensioner igniter 1,
Driver thorax airbag igniter, Front passenger thorax airbag
igniter

J234 Airbag control module
N153 Driver seat belt tensioner igniter 1
N154 Front passenger seat belt tensioner igniter 1
N199 Driver thorax airbag igniter
N200 Front passenger thorax airbag igniter
T2c Double connector, on the left B-pillar, yellow
T2d Double connector, on the right B-pillar, yellow
T3d 3-pin connector, under the driver seat, yellow
T3e 3-pin connector, under the front passenger seat, yellow
T75 75-pin connector, yellow

374 Ground connection 9 (in main wiring harness)

395 Ground connection 30 (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
 ge = yellow
 or = orange
 rs = pink

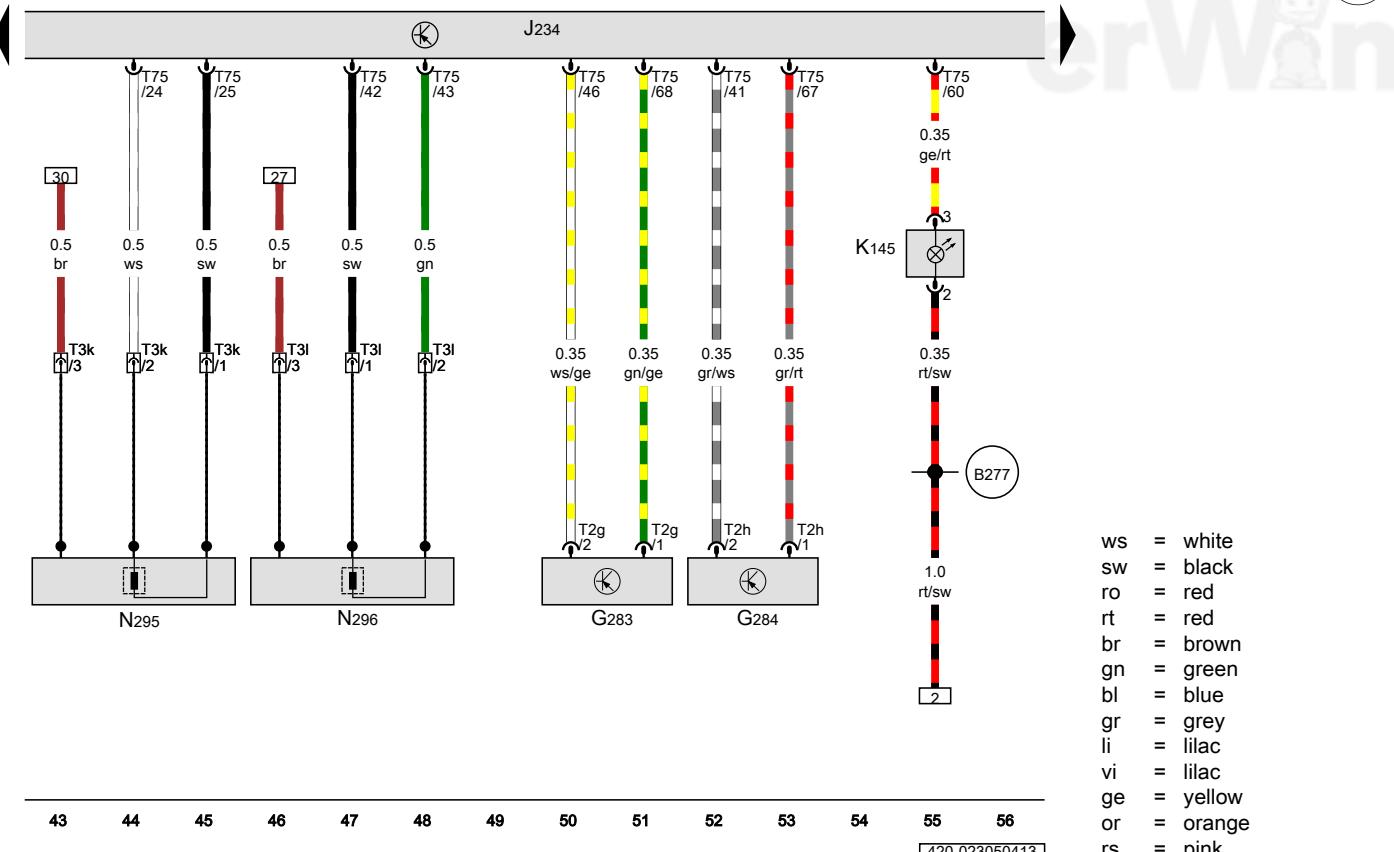
F420-07230404131

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

- G283 Driver front airbag crash sensor
- G284 Passenger side front airbag crash sensor
- J234 Airbag control module
- K145 Front passenger airbag -disabled- indicator lamp
- N295 Driver knee airbag igniter
- N296 Front passenger knee airbag igniter
- T2g Double connector, yellow
- T2h Double connector, yellow
- T3k 3-pin connector, on the driver knee airbag igniter, yellow
- T3l 3-pin connector, on the front passenger knee airbag igniter, yellow

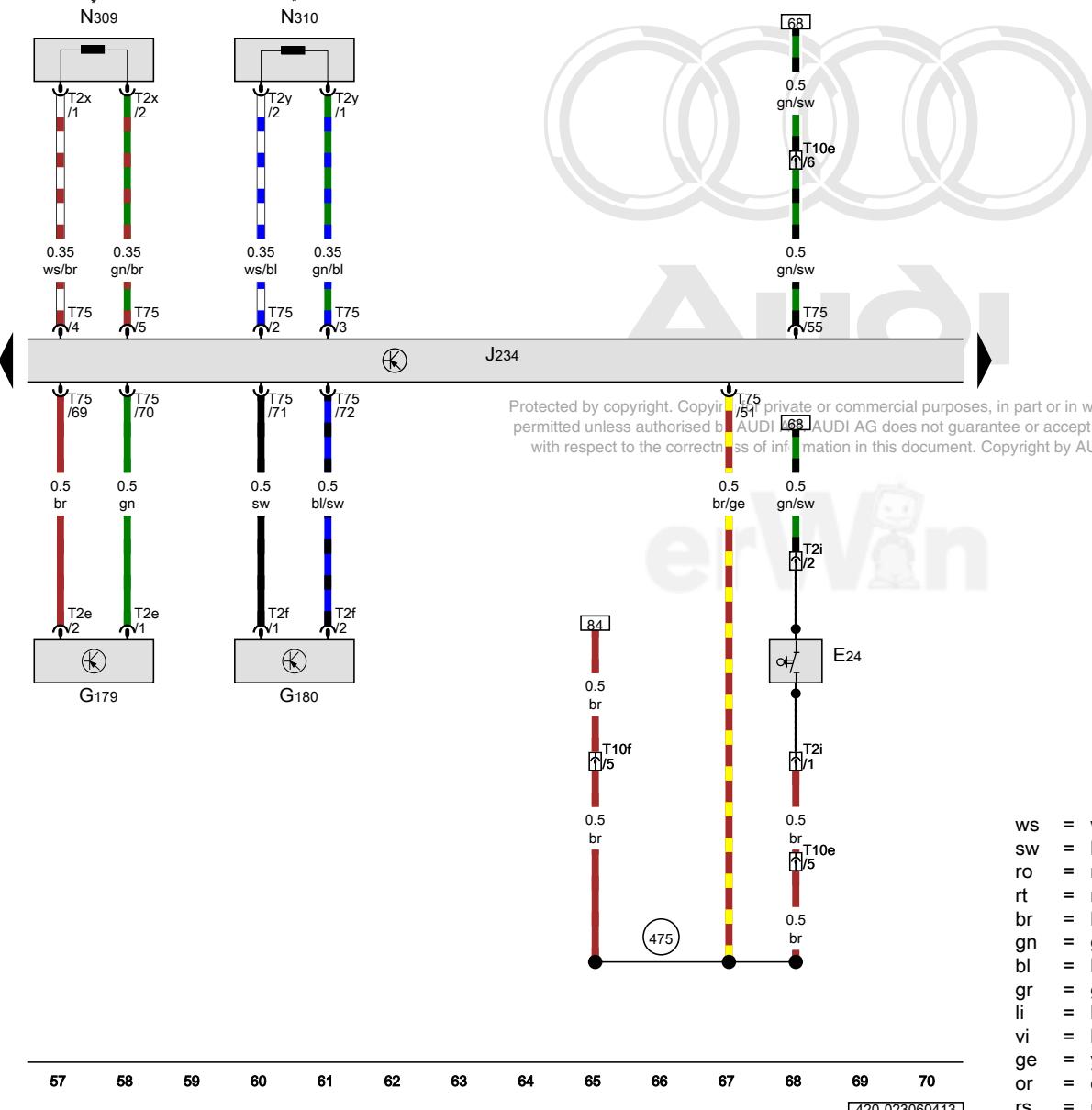
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B277 Positive connection 1 (15a) (in main wiring harness)



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

Driver seat belt switch, Driver side airbag crash sensor,
Airbag control module, Driver rollover protection solenoid,
Front passenger rollover protection solenoid



- E24** Driver seat belt switch
G179 Driver side airbag crash sensor
G180 Front passenger side airbag crash sensor
J234 Airbag control module
N309 Driver rollover protection solenoid
N310 Front passenger rollover protection solenoid
T2e Double connector
T2f Double connector
T2i Double connector, in the driver seat
T2x Double connector, yellow
T2y Double connector, yellow
T10e 10-pin connector, under the driver seat, black
T10f 10-pin connector, under the front passenger seat, black
T75 75-pin connector, yellow

475 Airbag ground connection (in main wiring harness)

* Only for Audi R8 Spyder

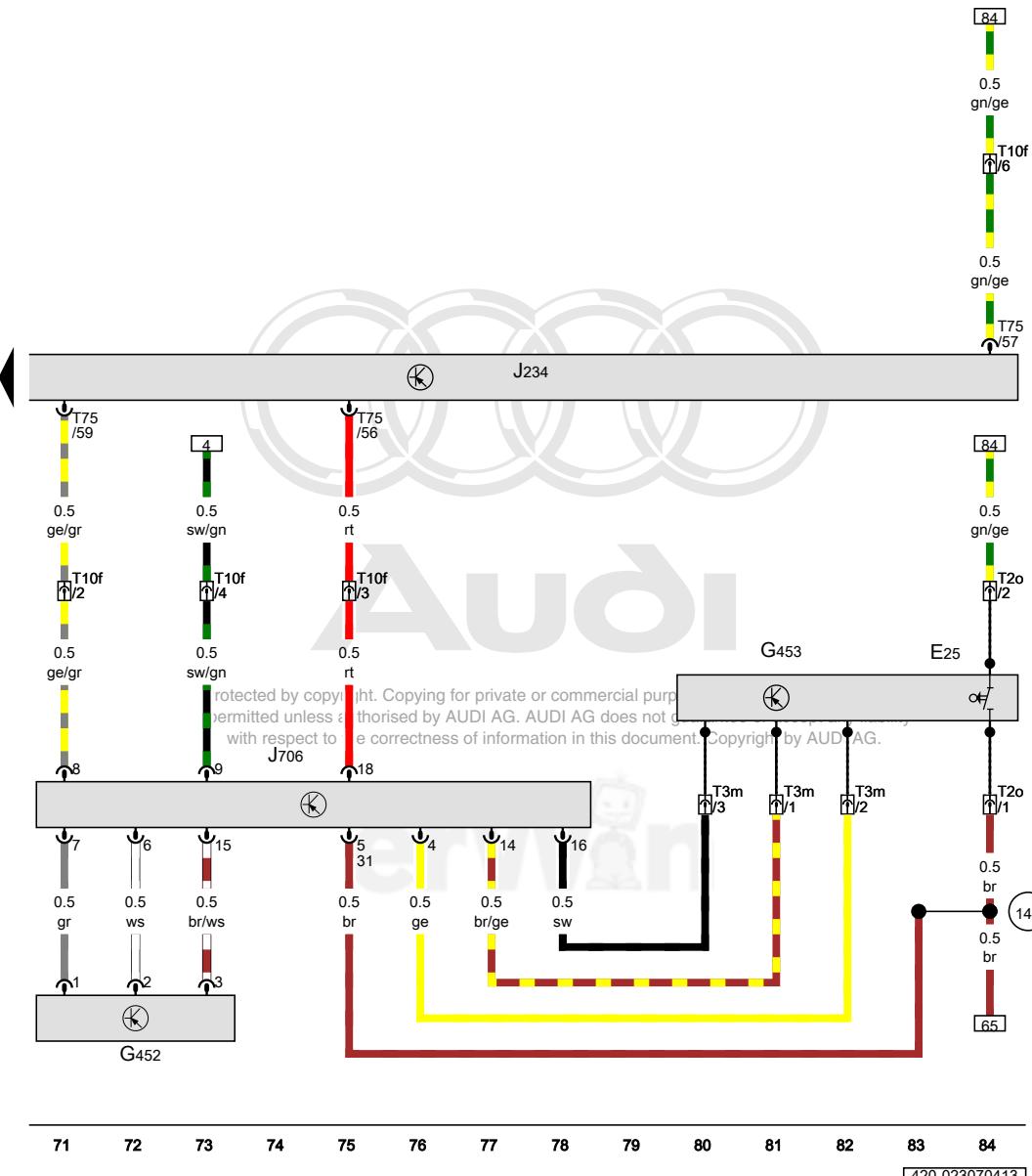
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

420-0230604131

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

- E25 Front passenger seat belt switch
- G452 Passenger occupant detection system pressure sensor
- G453 Passenger occupant detection system seat belt force sensor
- J234 Airbag control module
- J706 Passenger occupant detection system control module
- T2o Double connector, in the front passenger seat
- T3m 3-pin connector, in the front passenger seat
- T10f 10-pin connector, under the front passenger seat, black
- T75 75-pin connector, yellow

140 Ground connection 2 (in seat adjustment 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

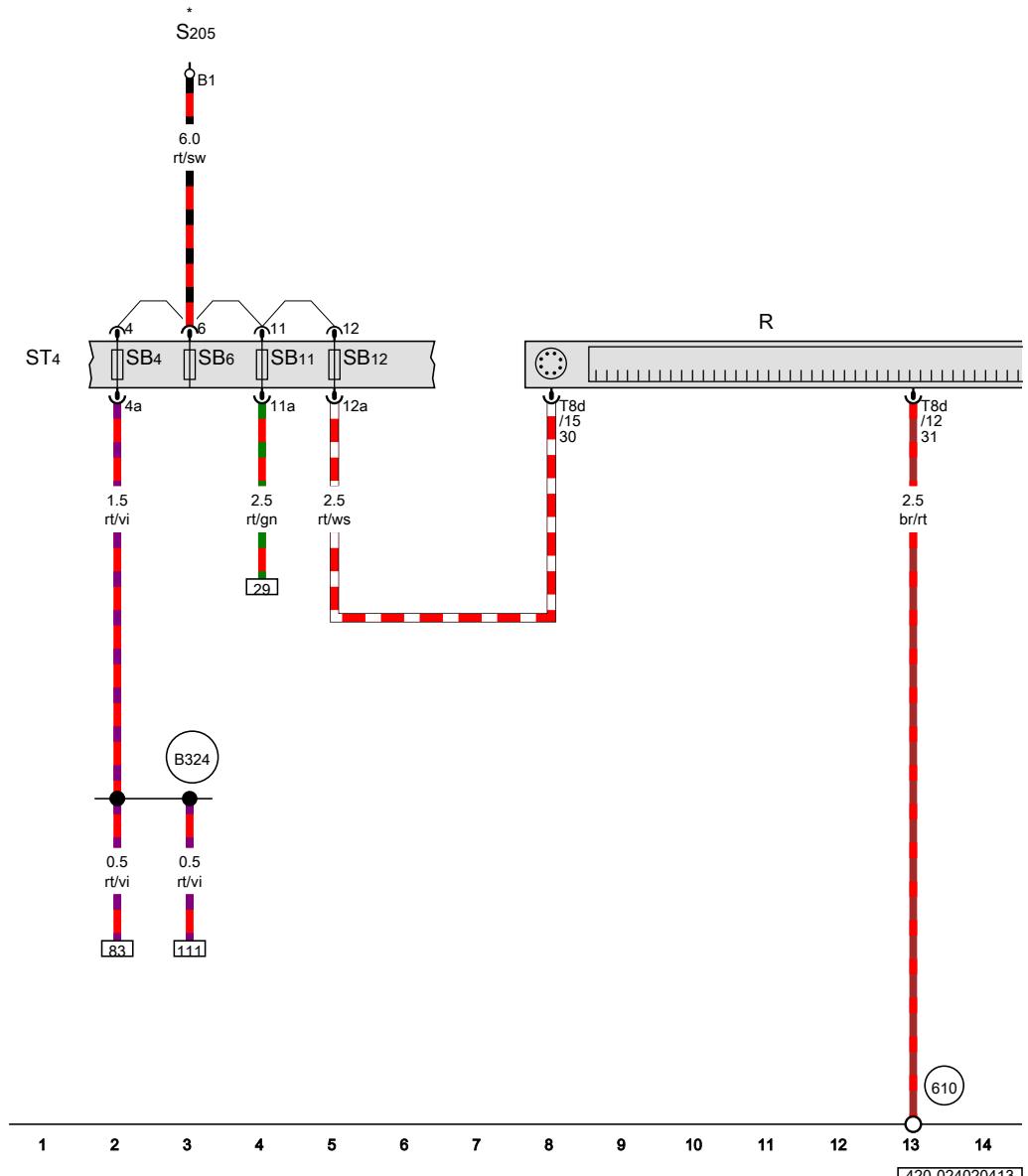
Radio with Standard Sound system, Satellite

from May 2006



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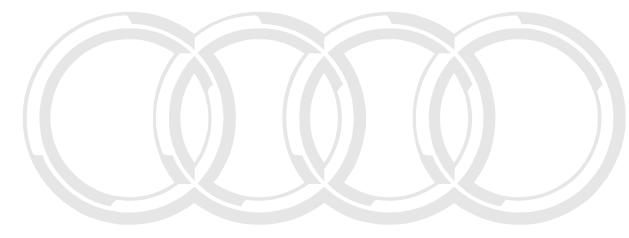
Radio

R Radio
SB4 Fuse 4 (on fuse panel B)
ST4 Fuse panel 4
SB6 Fuse 6 (on fuse panel B)
SB11 Fuse 11 (on fuse panel B)
SB12 Fuse 12 (on fuse panel B)
S205 Fuse 2 (terminal 30)
T8d 8-pin connector, black

(610) Audio ground connection under front center console

(B324) Positive connection 10 (30a) (in main wiring harness)

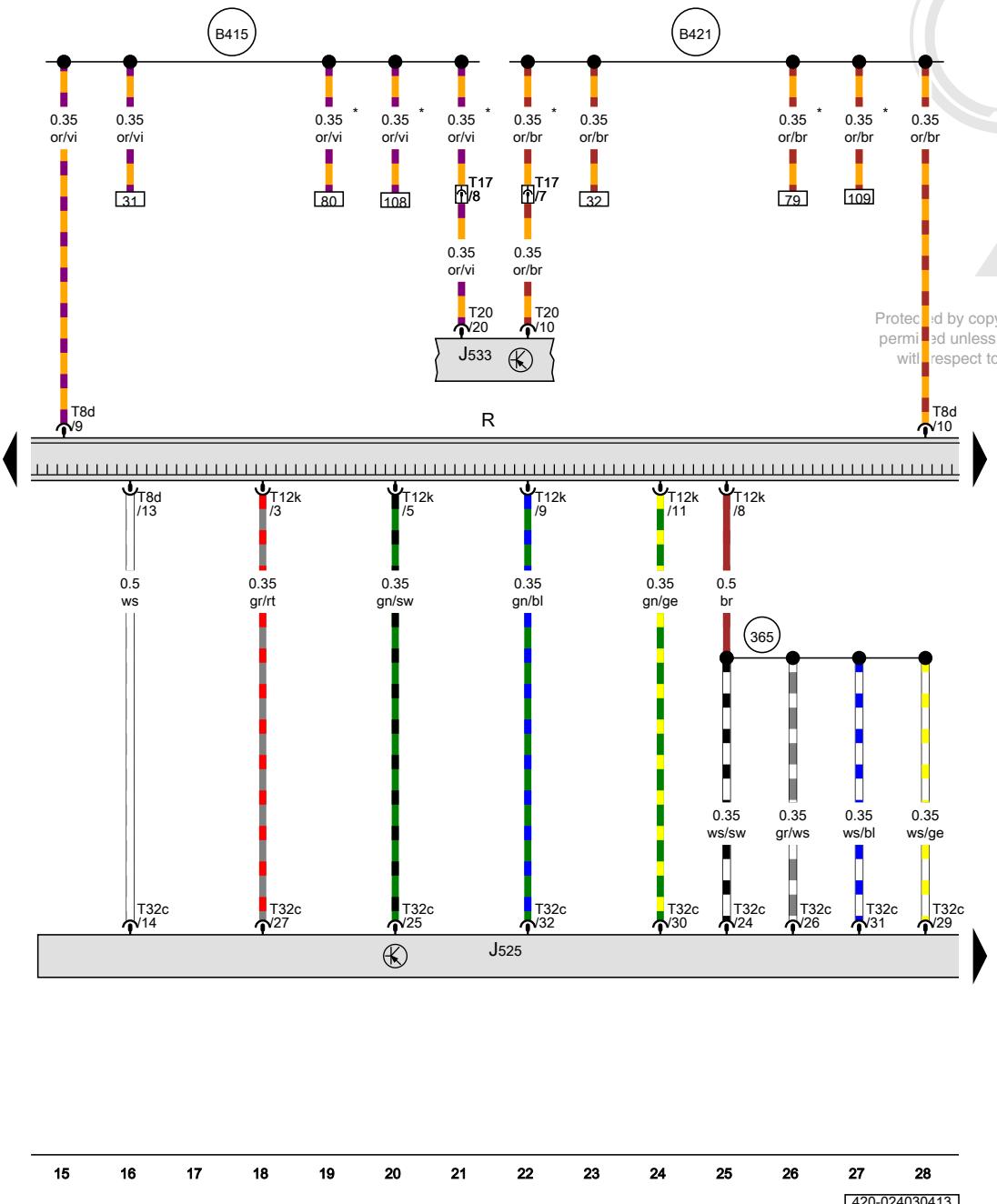
* Main distribution in the right front footwell



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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 |



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

T8d 8-pin connector, black

T12k 12-pin connector, black

T17 17-pin connector, Right front center console, red

T20 20-pin connector, red

T32c 32-pin connector, black

365 Low frequency ground connection 2 (in instrument panel wiring harness)

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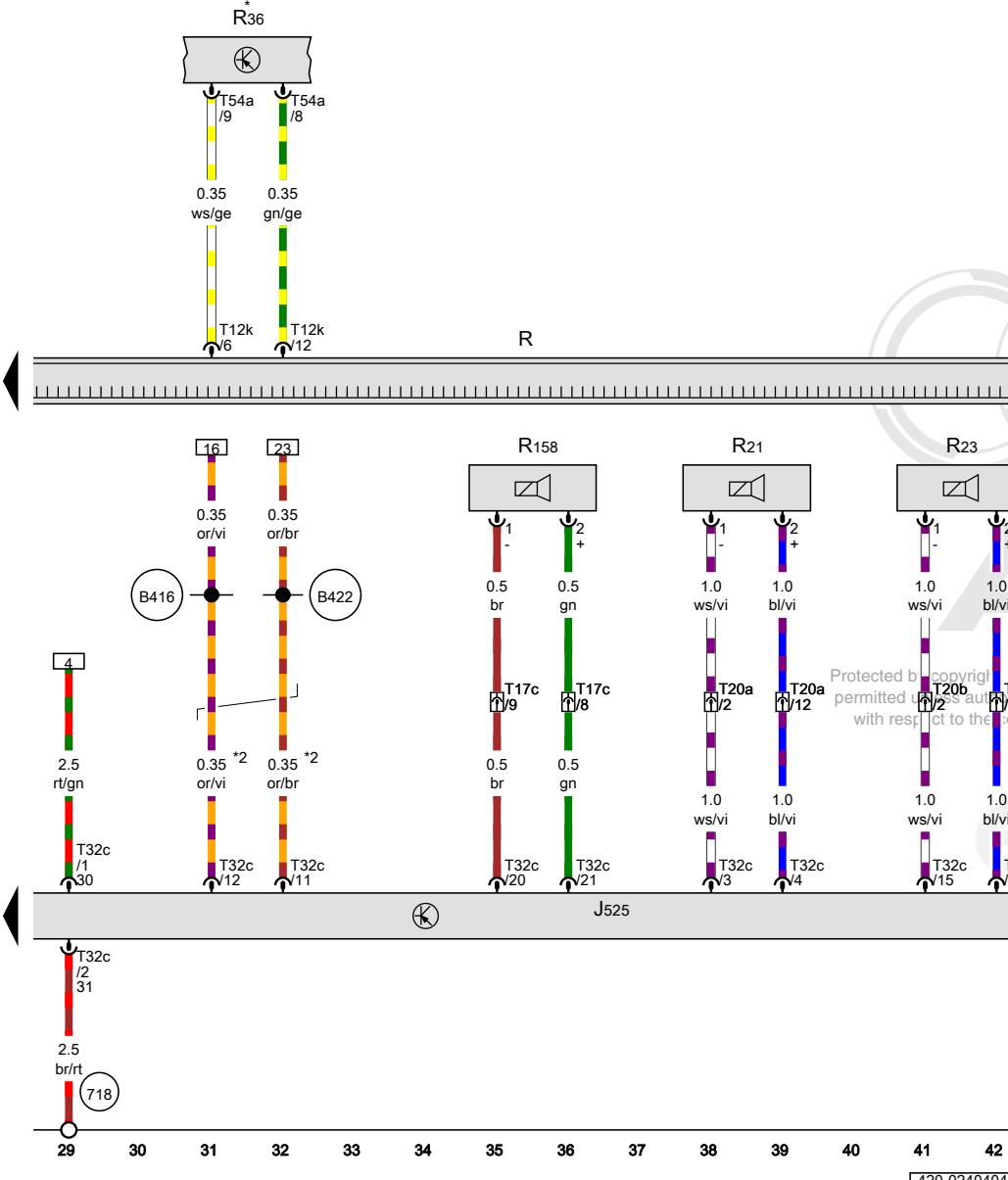
B415 Infotainment CAN Bus high connection 1 (in main wiring harness)

B421 Infotainment CAN bus low connection 1 (in main wiring harness)

* Data bus wire (CAN bus)

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



J525 Digital sound system control module

R Radio

R21 Left front bass speaker

R23 Right front bass speaker

R36 Telephone transceiver

R158 Center mid-treble speaker

T12k 12-pin connector, black

T17c 17-pin connector, Right front center console, blue

T20a 20-pin connector, in the left front door, black

T20b 20-pin connector, in the right front door, black

T32c 32-pin connector, black

T54a 54-pin connector, black

(718) Audio ground connection under rear shelf

(B416) Infotainment CAN Bus high connection 2 (in main wiring harness)

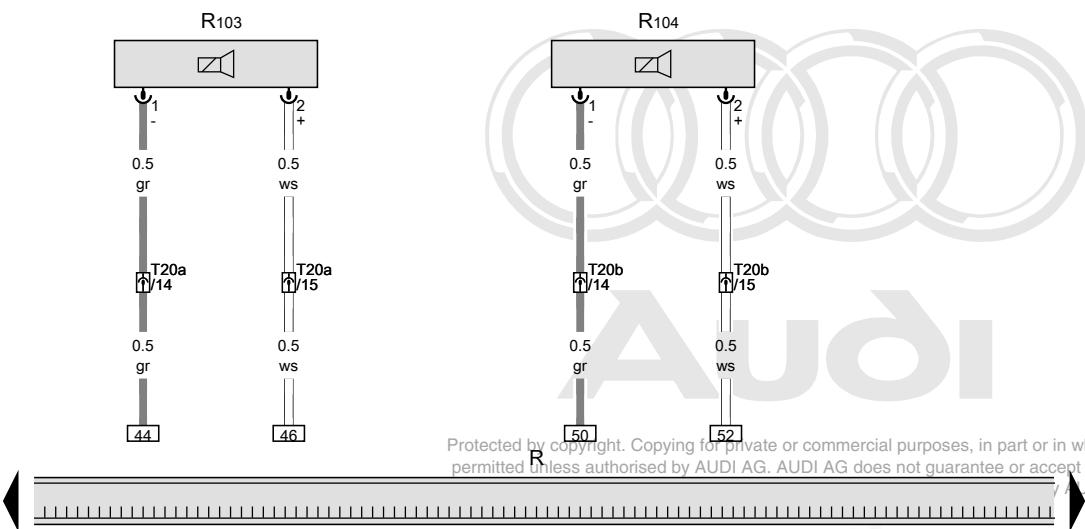
(B422) Infotainment CAN bus low connection 2 (in main wiring harness)

* Only for vehicles with cell phone preparation

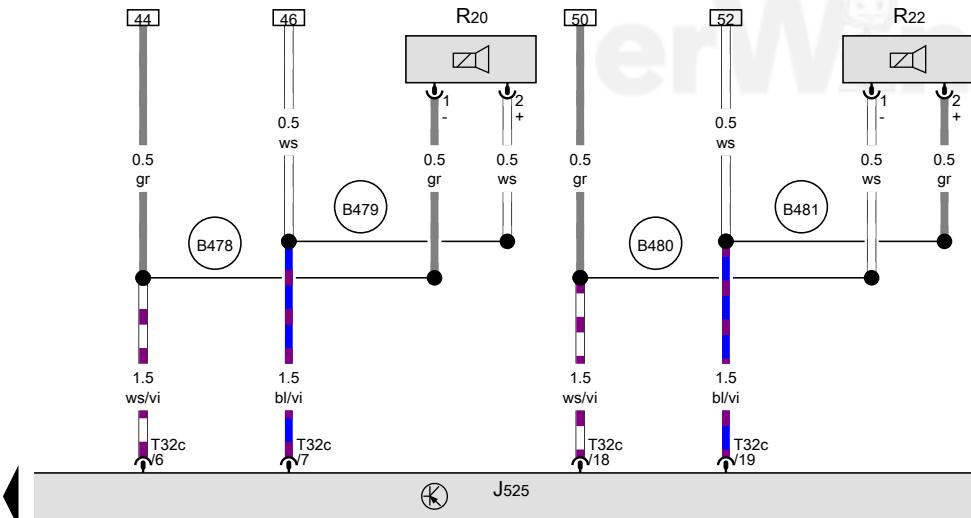
*2 Data bus wire (CAN bus)

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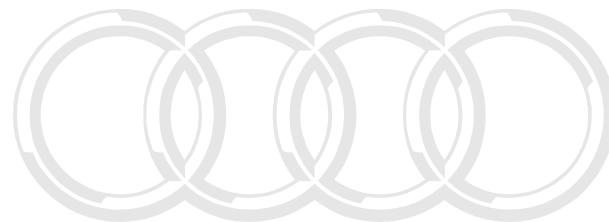
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Digital sound system control module, Radio, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

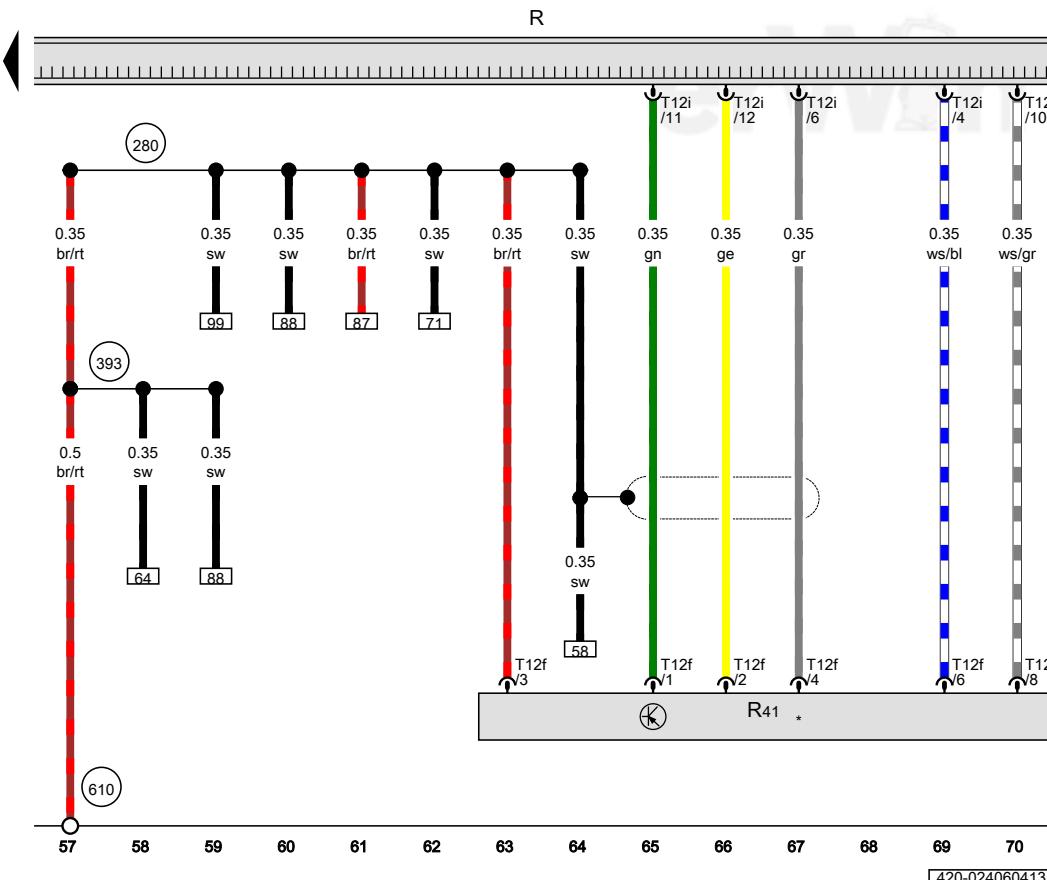
- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R103 Left front midrange speaker
- R104 Right front midrange speaker
- T20a 20-pin connector, in the left front door, black
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black
- (B478) Connection 14 (in main wiring harness)
- (B479) Connection 15 (in main wiring harness)
- (B480) Connection 16 (in main wiring harness)
- (B481) Connection 17 (in main wiring harness)

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



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Radio, CD changer

R Radio
R41 CD changer
T12f 12-pin connector, black
T12i 12-pin connector, black

(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

* Only for vehicles with CD changer

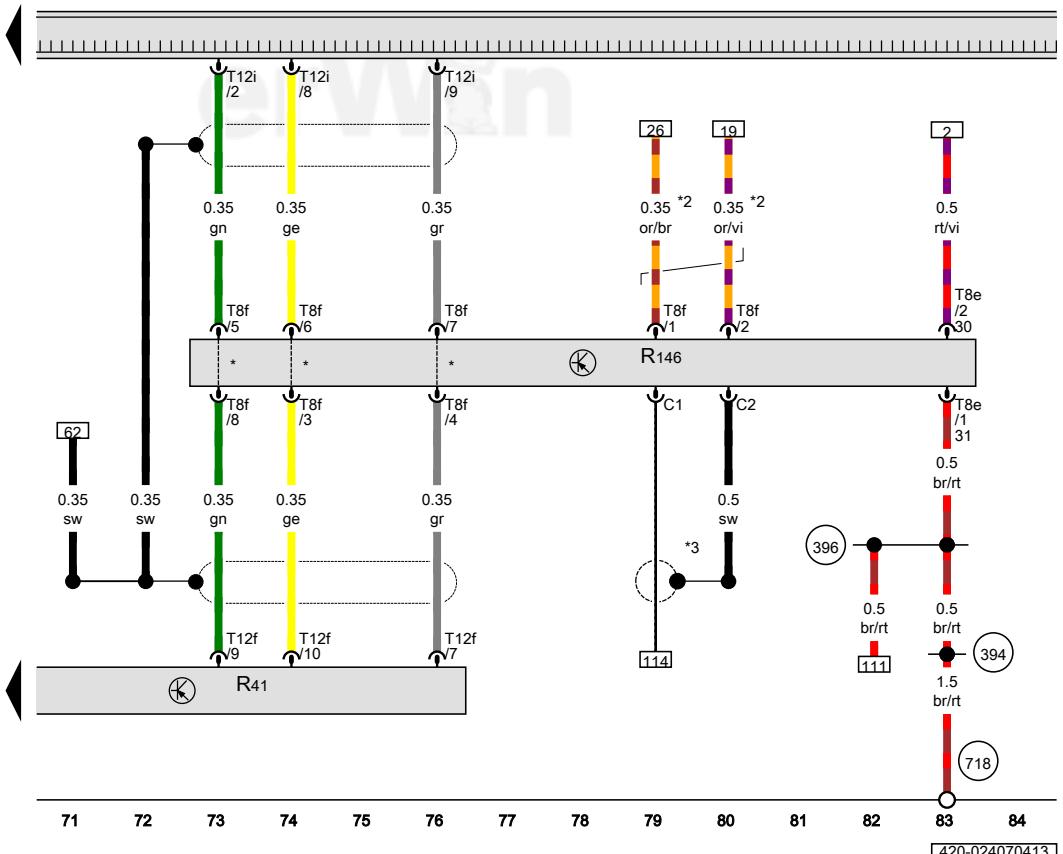
| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |



Audi

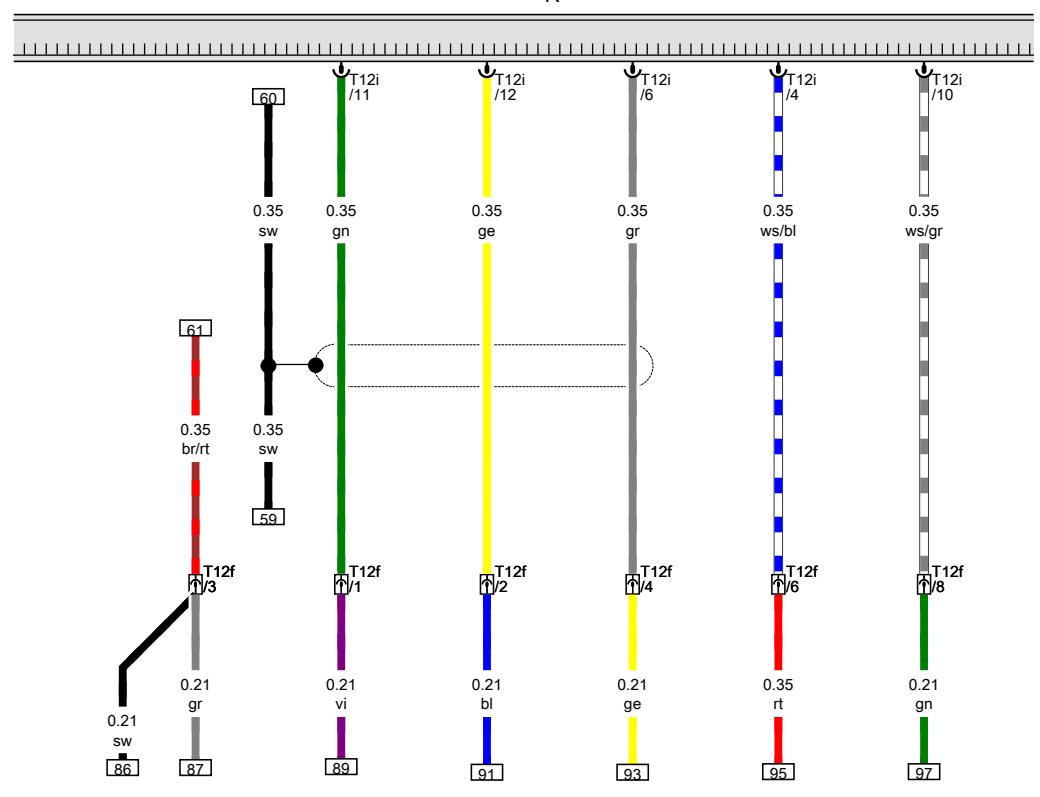
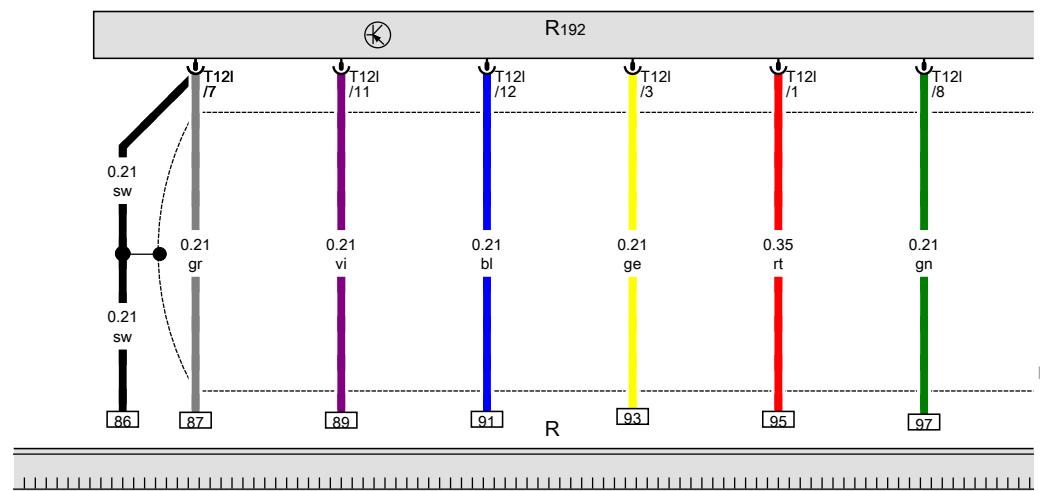
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R


Radio, CD changer, Satellite radio

- | | |
|------|---|
| R | Radio |
| R41 | CD changer |
| R146 | Satellite radio |
| T8e | 8-pin connector, black |
| T8f | 8-pin connector, black |
| T12f | 12-pin connector, black |
| T12i | 12-pin connector, black |
| 394 | Ground connection 29 (in main wiring harness) |
| 396 | Ground connection 31 (in main wiring harness) |
| 718 | Audio ground connection under rear shelf |
- * Only for vehicles without satellite radio
 *2 Data bus wire (CAN bus)
 *3 Only for vehicles with CD changer

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



Radio, iPod baseplate

R

R192

Radio iPod baseplate

12-pin connector, in the rear center console, black

T12i

12-pin connector, black

T12l

12-pin connector

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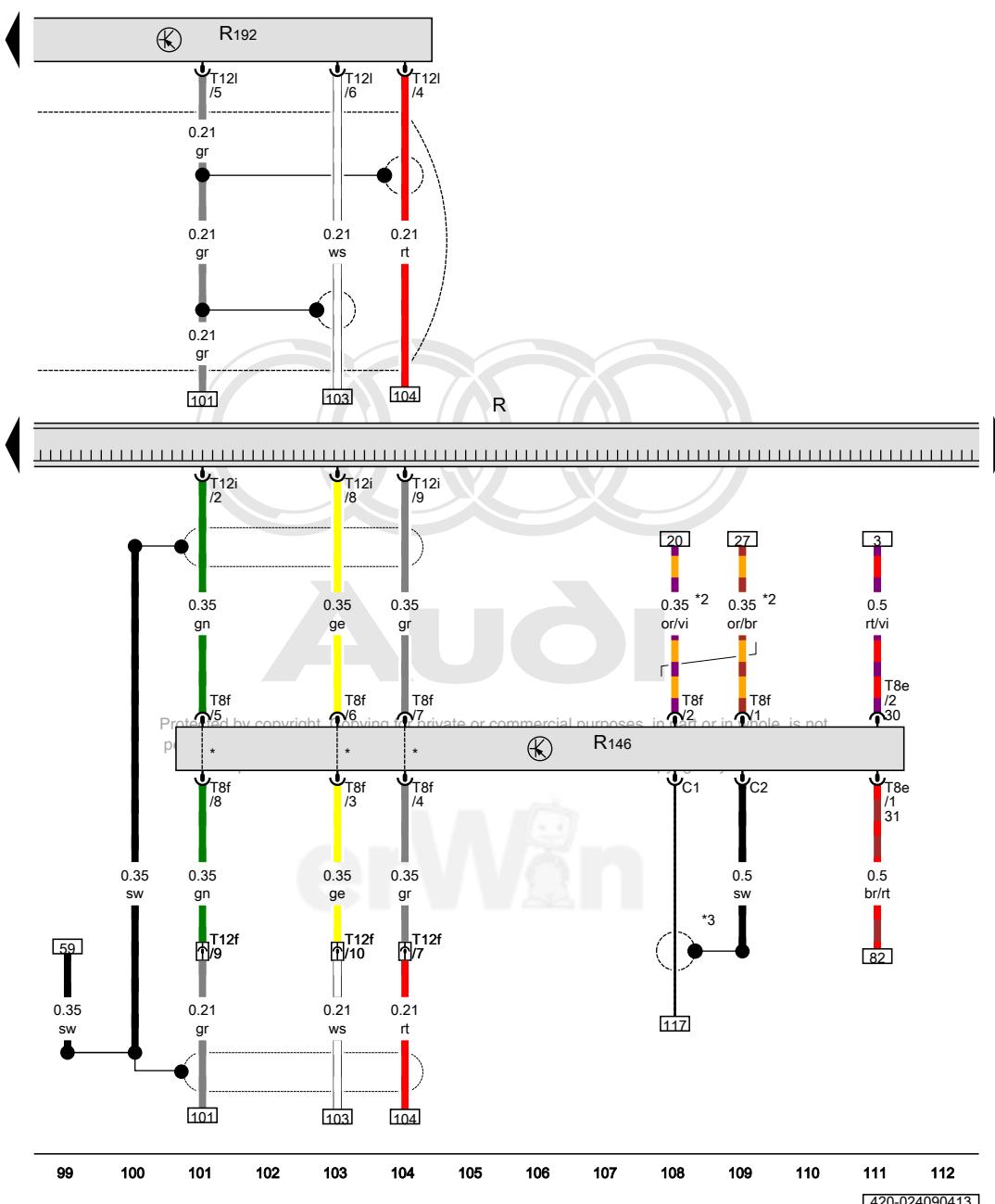


ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

F470-00240804131

Radio, Satellite radio, iPod baseplate

| | |
|------|---|
| R | Radio |
| R146 | Satellite radio |
| R192 | iPod baseplate |
| T8e | 8-pin connector, black |
| T8f | 8-pin connector, black |
| T12f | 12-pin connector, in the rear center console, black |
| T12i | 12-pin connector, black |
| T12l | 12-pin connector |
| * | Only for vehicles without satellite radio |
| *2 | Data bus wire (CAN bus) |
| *3 | Only for vehicles with iPod bracket |



| | |
|----|----------|
| 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 |

Antenna selection control module, Radio, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3, Satellite antenna

J515 Antenna selection control module

R Radio

R11 Antenna

R24 Antenna amplifier

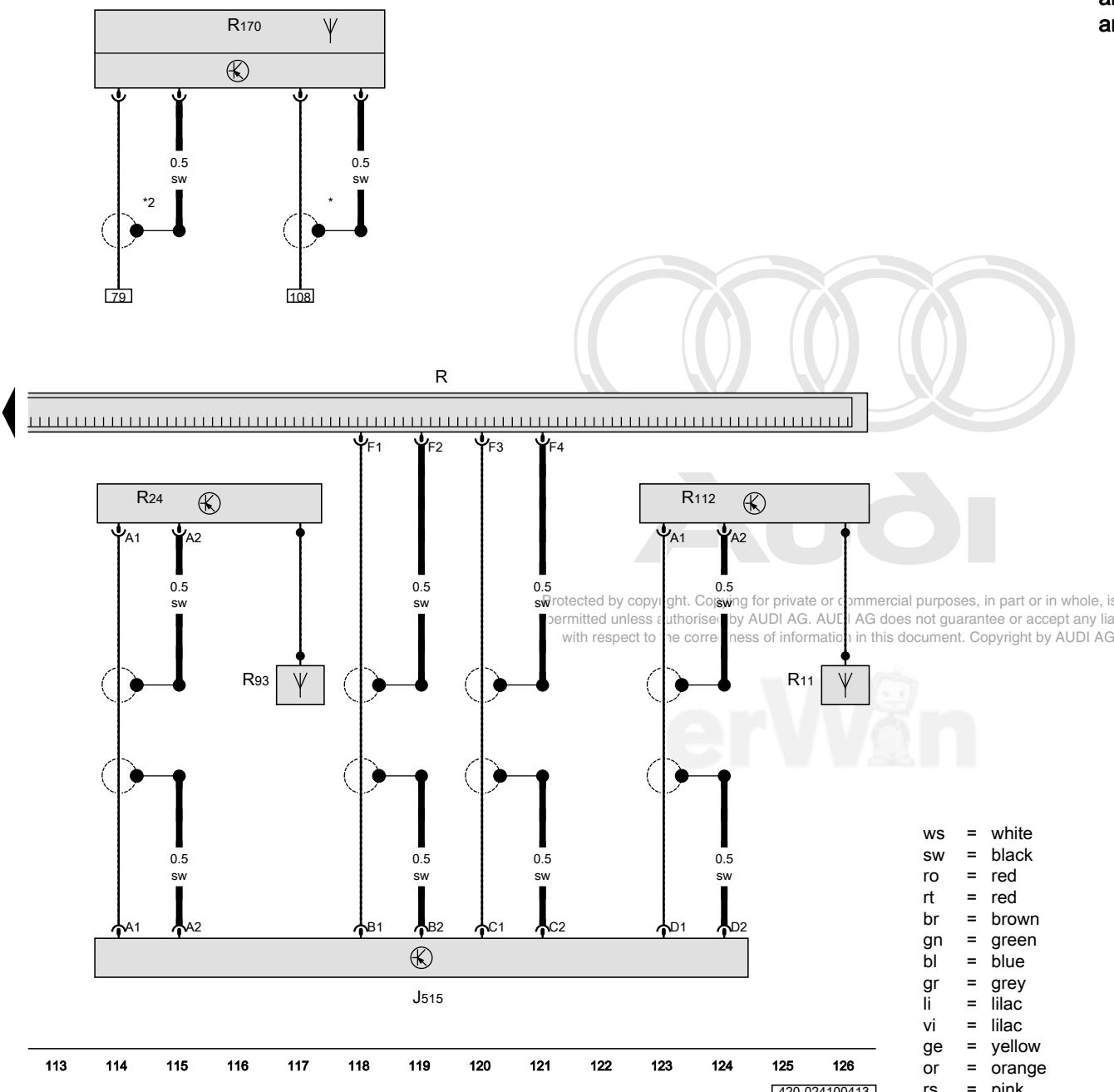
R93 Radio antenna 2

R112 Antenna amplifier 3

R170 Satellite antenna, in the rear lid

* Only for vehicles with iPod bracket

*2 Only for vehicles with CD changer



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 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

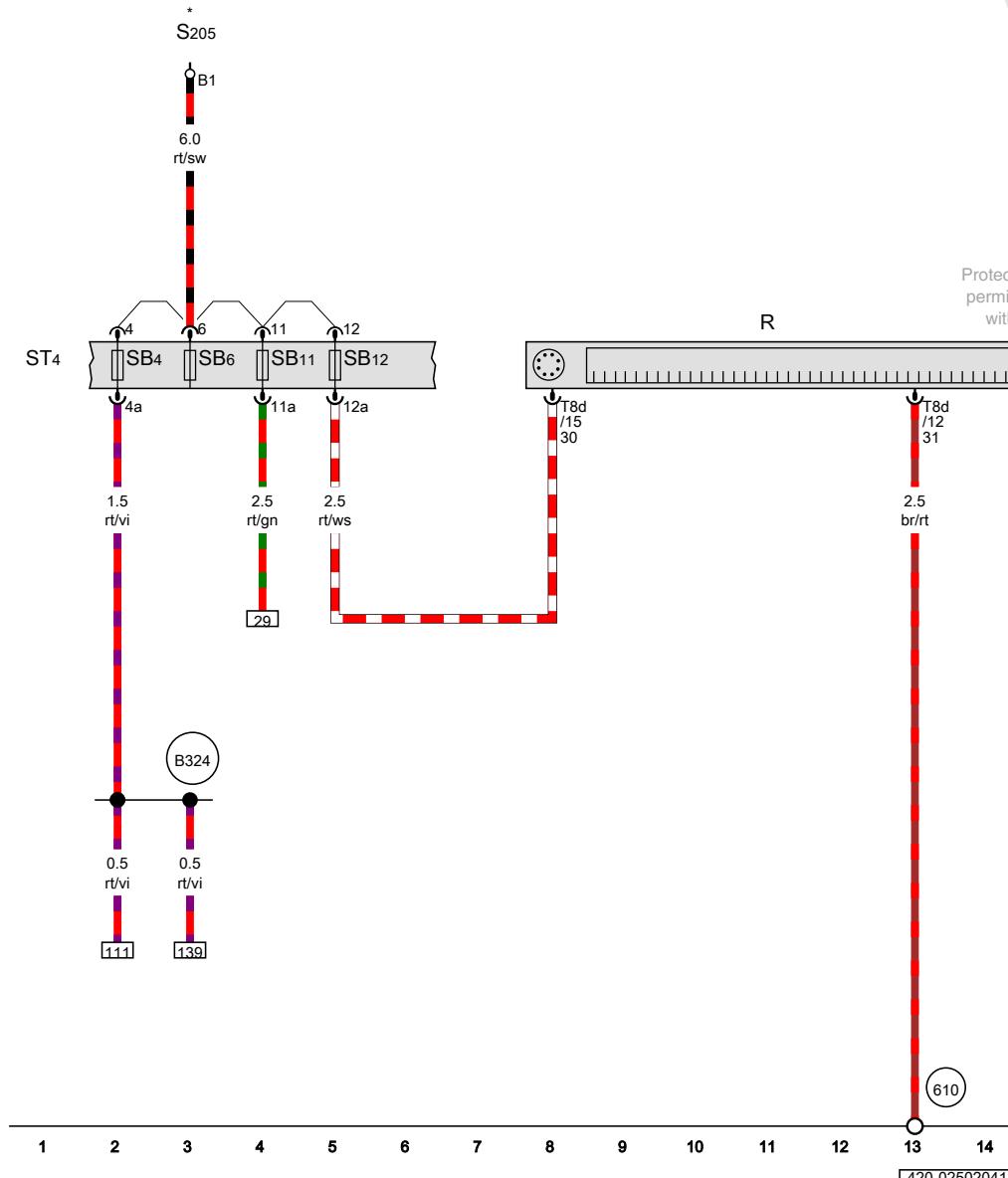
F470-0024100413

Radio with Bang & Olufsen Sound System, satellite
from May 2006



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Radio

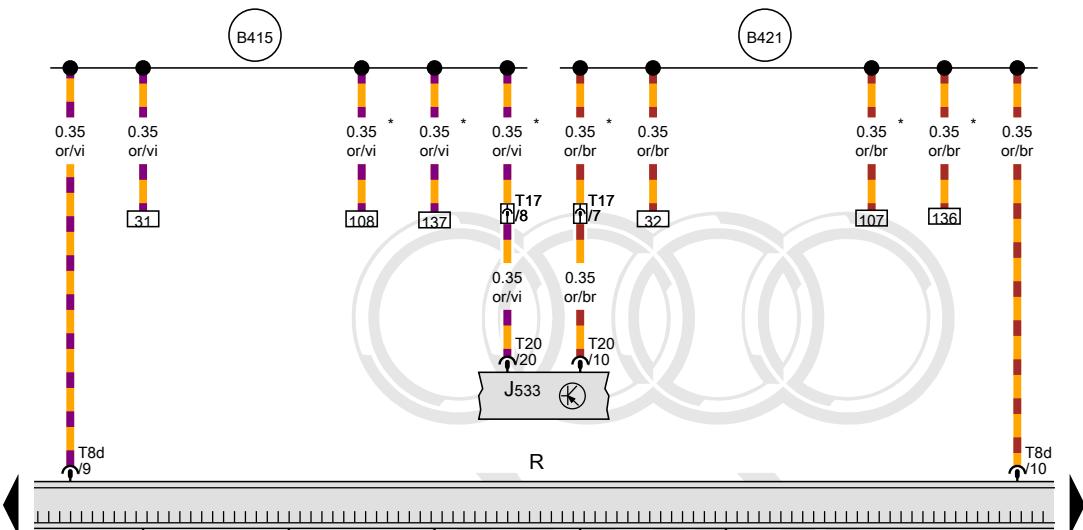
| | |
|------|---------------------------|
| R | Radio |
| SB4 | Fuse 4 (on fuse panel B) |
| ST4 | Fuse panel 4 |
| SB6 | Fuse 6 (on fuse panel B) |
| SB11 | Fuse 11 (on fuse panel B) |
| SB12 | Fuse 12 (on fuse panel B) |
| S205 | Fuse 2 (terminal 30) |
| T8d | 8-pin connector, black |

(610) Audio ground connection under front center console

(B324) Positive connection 10 (30a) (in main wiring harness)

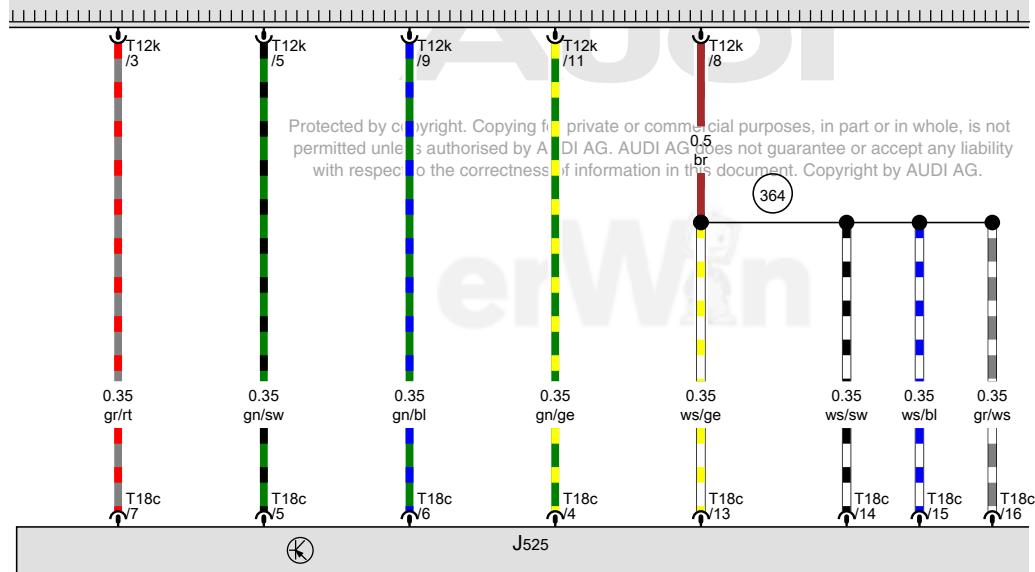
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

420-0250204131



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
 - T8d 8-pin connector, black
 - T12k 12-pin connector, black
 - T17 17-pin connector, Right front center console, red
 - T18c 18-pin connector, black
 - T20 20-pin connector, red
 - 364 Low frequency ground connection 1 (in instrument panel wiring harness)
 - B415 Infotainment CAN Bus high connection 1 (in main wiring harness)
 - B421 Infotainment CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)



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

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

F420-00250304131

Digital sound system control module, Radio, Interior microphone, Center mid-treble speaker, Microphone unit in front roof module

J525 Digital sound system control module

R Radio

R74 Interior microphone

R158 Center mid-treble speaker

R164 Microphone unit in front roof module

T4o 4-pin connector, black

T8d 8-pin connector, black

T17c 17-pin connector, blue

T18c 18-pin connector, black

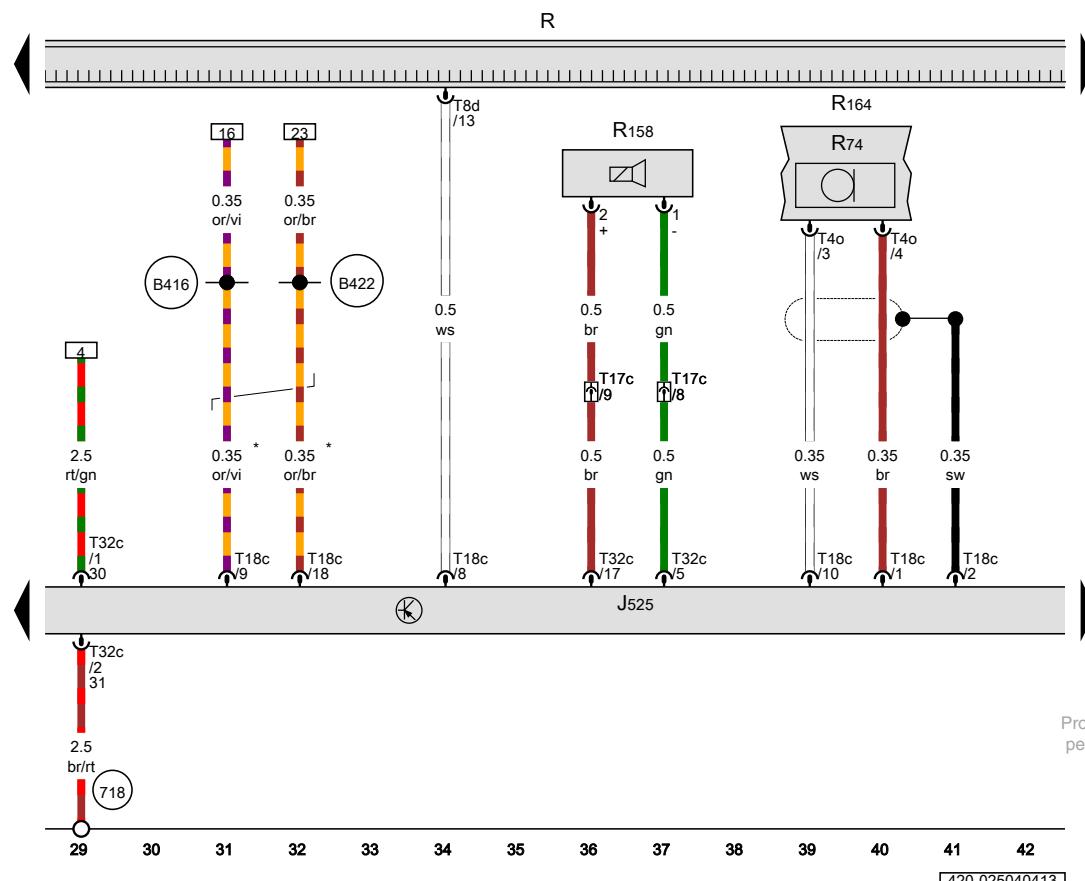
T32c 32-pin connector, black

718 Audio ground connection under rear shelf

B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

B422 Infotainment CAN bus low connection 2 (in main wiring harness)

* Data bus wire (CAN bus)



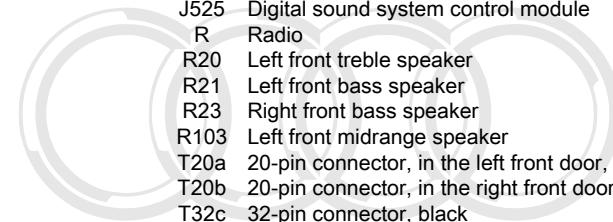
ws = white
 sw = black
 ro = red
 rt = red
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 gn = green
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 ge = yellow
 or = orange
 rs = pink

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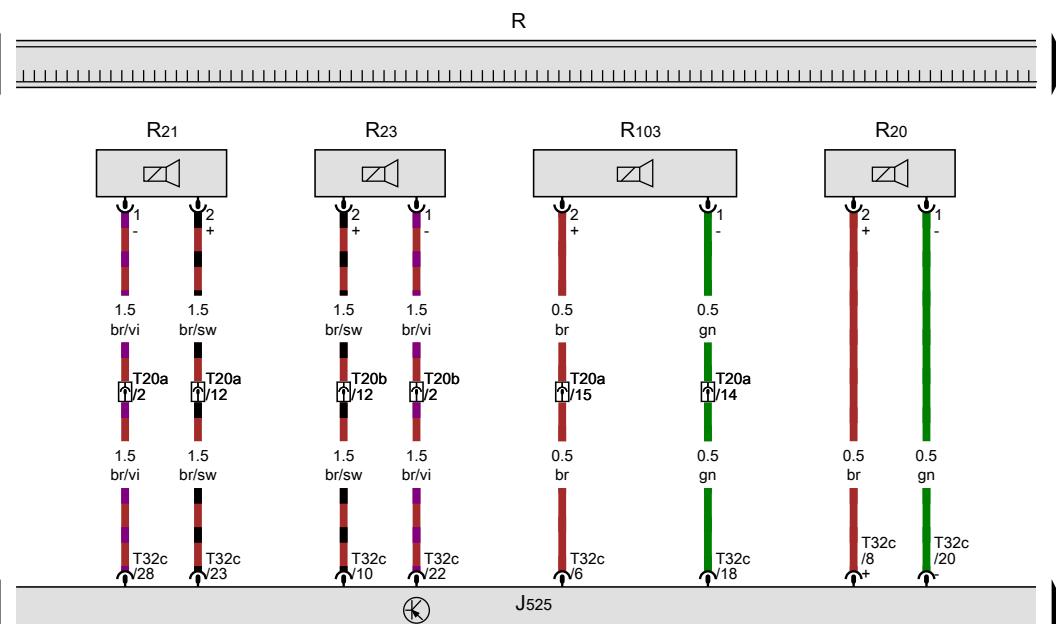


Digital sound system control module, Radio, Left front treble speaker, Left front bass speaker, Right front bass speaker, Left front midrange speaker

| | |
|------|--|
| J525 | Digital sound system control module |
| R | Radio |
| R20 | Left front treble speaker |
| R21 | Left front bass speaker |
| R23 | Right front bass speaker |
| R103 | Left front midrange speaker |
| T20a | 20-pin connector, in the left front door, black |
| T20b | 20-pin connector, in the right front door, black |
| T32c | 32-pin connector, black |



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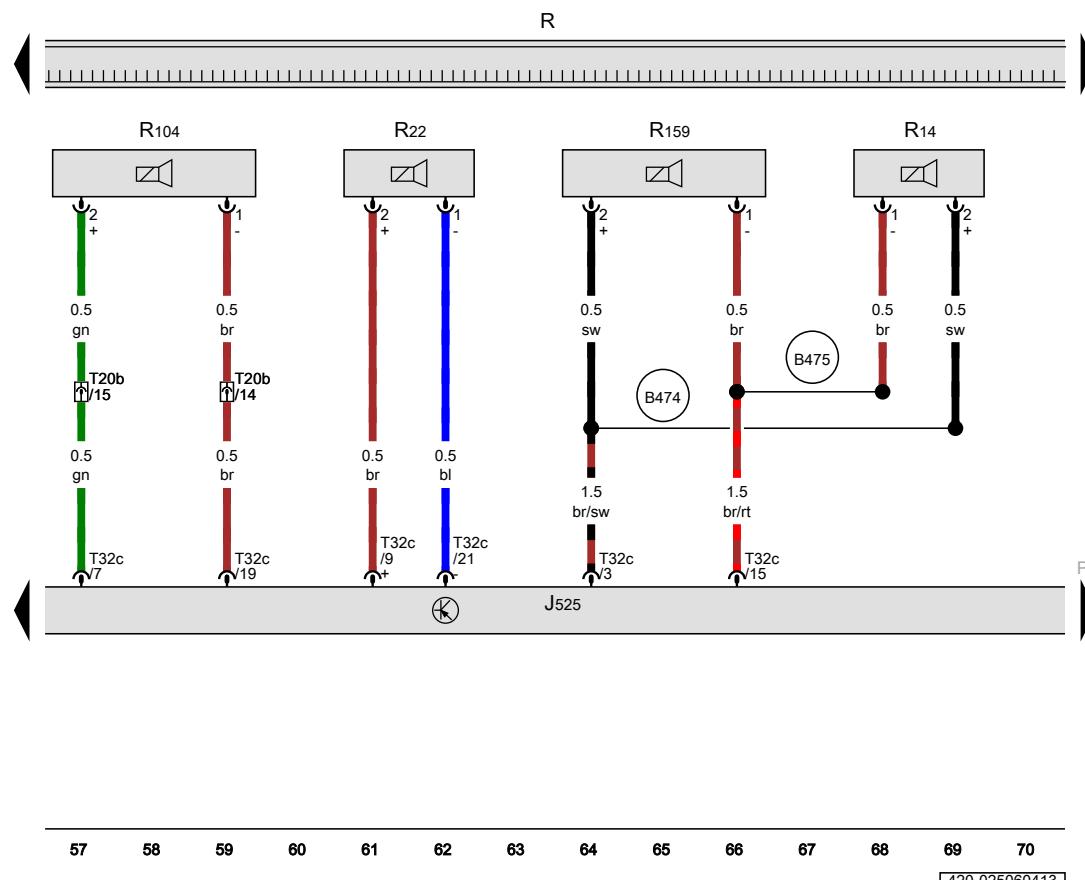


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| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

43 44 45 46 47 48 49 50 51 52 53 54 55 56
F420-00250504131

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

- J525 Digital sound system control module
- R Radio
- R14 Left rear treble speaker
- R22 Right front treble speaker
- R104 Right front midrange speaker
- R159 Left rear mid-bass speaker
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black
- (B474) Connection 10 (in main wiring harness)
- (B475) Connection 11 (in main wiring harness)



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Digital sound system control module, Radio, Right rear treble speaker, Speaker in center, Right rear mid-bass speaker

J525 Digital sound system control module

R Radio

R16 Right rear treble speaker

R36 Telephone transceiver

R148 Speaker in center

R160 Right rear mid-bass speaker

T12k 12-pin connector, black

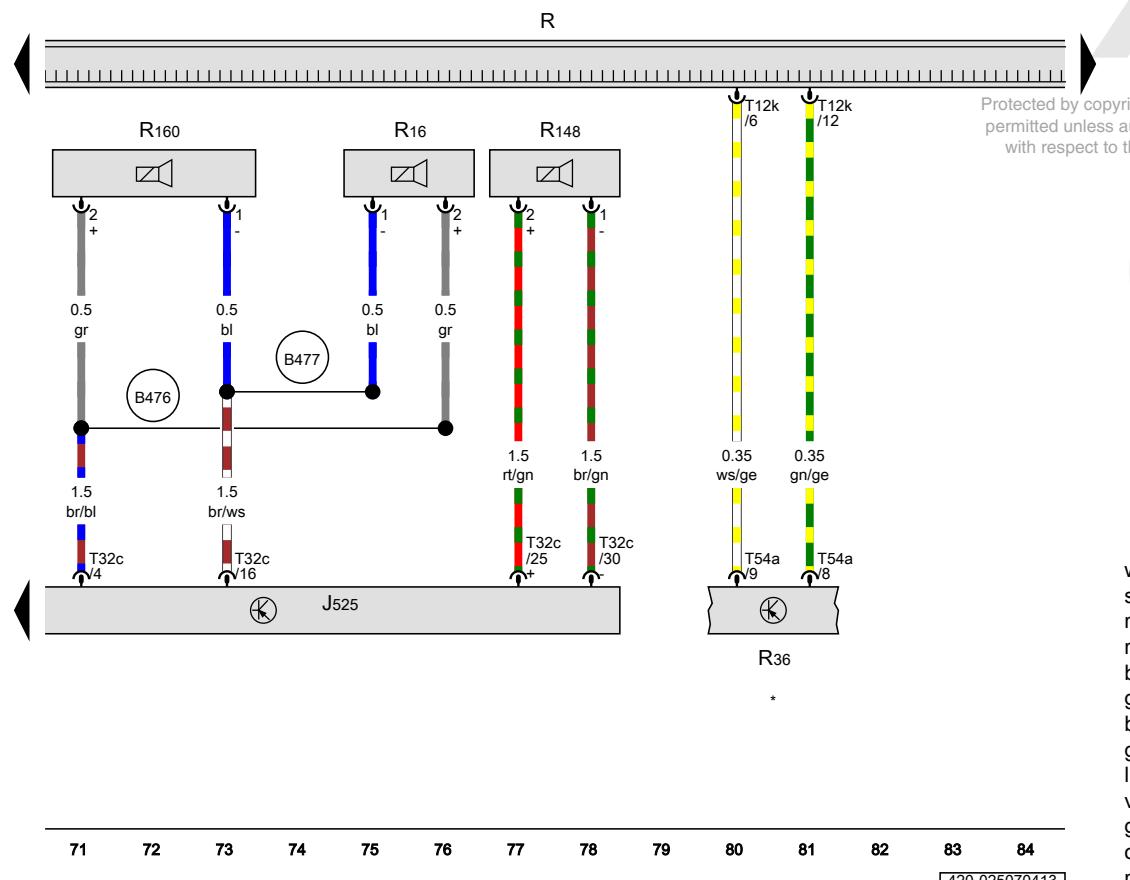
T32c 32-pin connector, black

T54a 54-pin connector, black

(B476) Connection 12 (in main wiring harness)

(B477) Connection 13 (in main wiring harness)

* Only for vehicles with cell phone preparation



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

F420-00250704131

Radio, CD changer

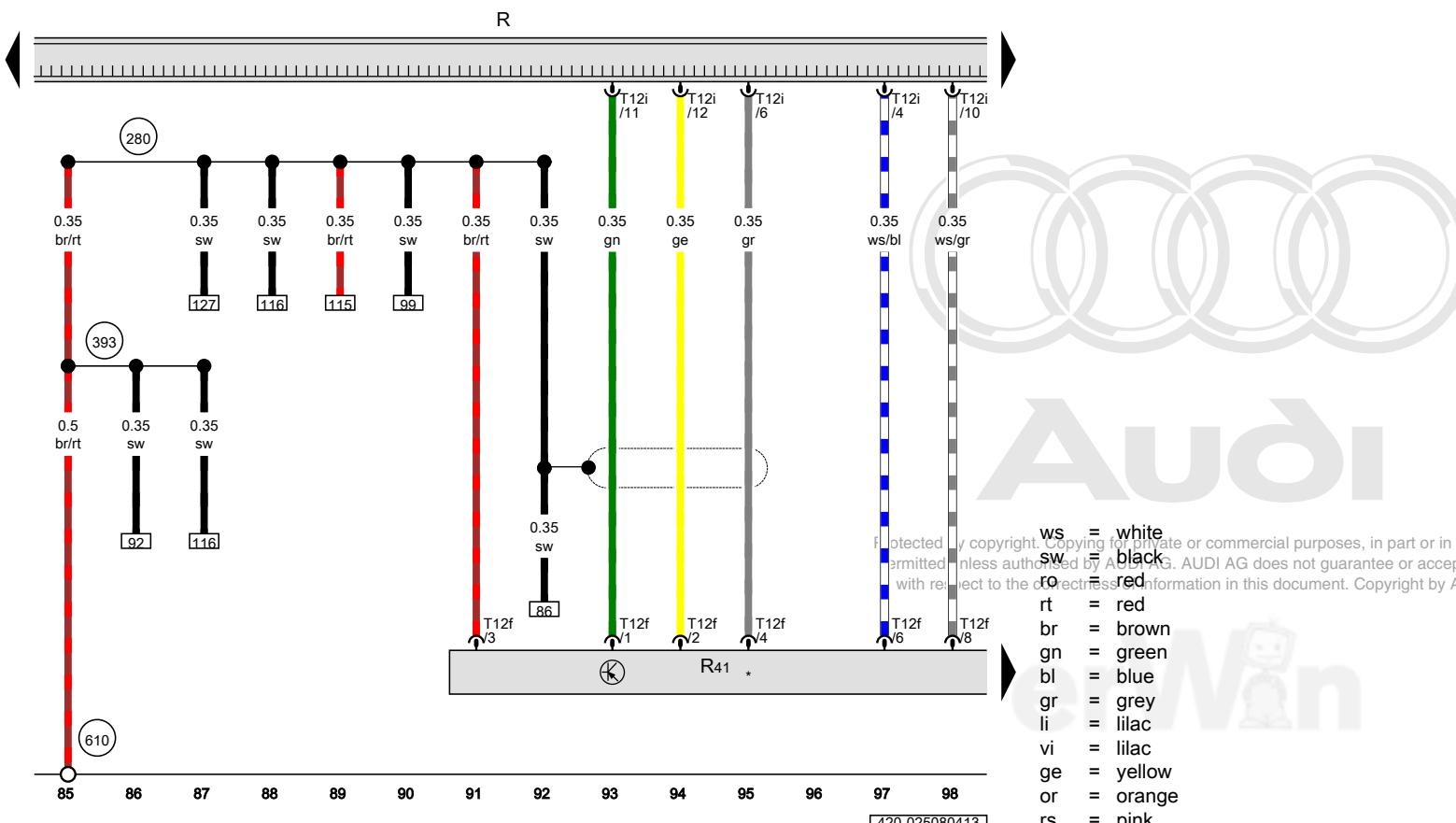
R Radio
R41 CD changer
T12f 12-pin connector, black
T12i 12-pin connector, black

(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

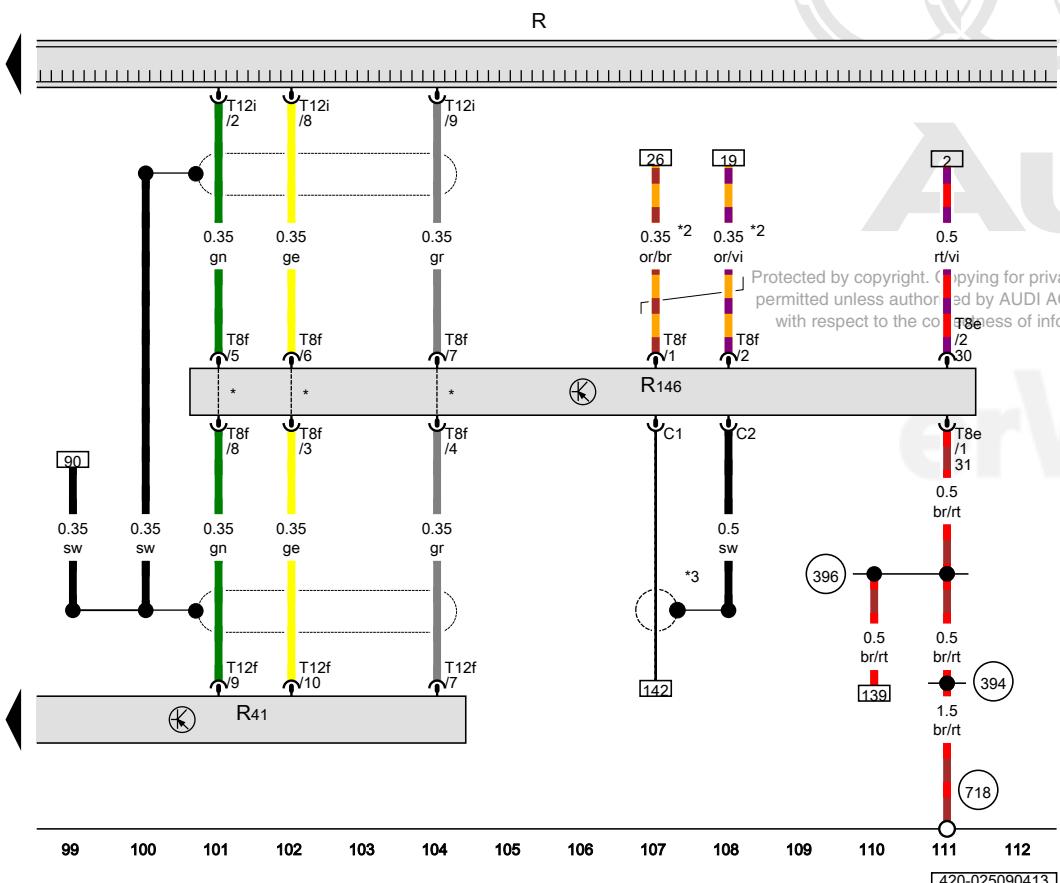
(610) Audio ground connection under front center console

* Only for vehicles with CD changer



Radio, CD changer, Satellite radio

- R Radio
- R41 CD changer
- R146 Satellite radio
- T8e 8-pin connector, black
- T8f 8-pin connector, black
- T12f 12-pin connector, black
- T12i 12-pin connector, black
- (394) Ground connection 29 (in main wiring harness)
- (396) Ground connection 31 (in main wiring harness)
- (718) Audio ground connection under rear shelf
- * Only for vehicles without satellite radio
- *2 Data bus wire (CAN bus)
- *3 Only for vehicles with CD changer

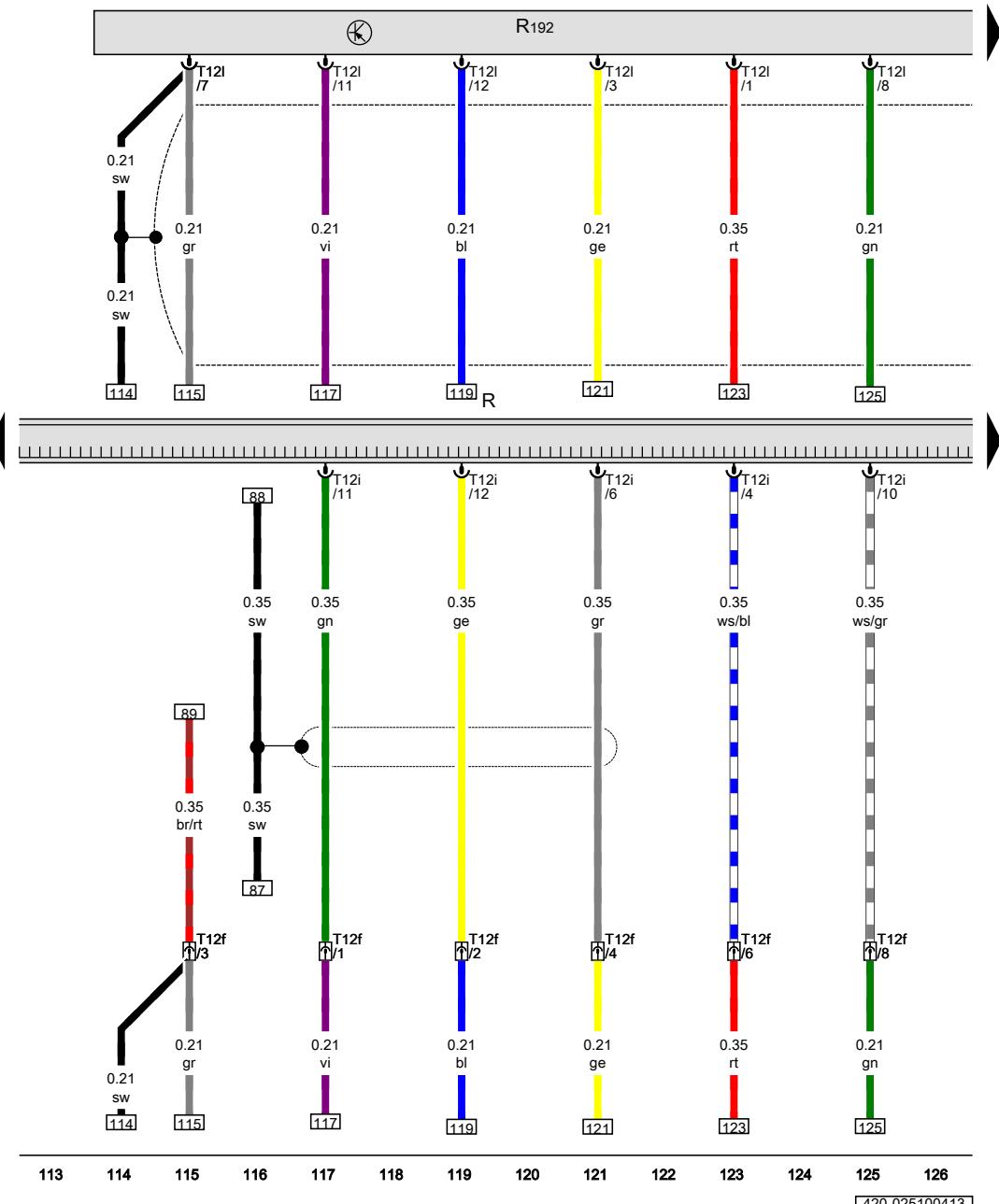


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| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Radio, iPod baseplate

| | |
|------|---|
| R | Radio |
| R192 | iPod baseplate |
| T12f | 12-pin connector, in the rear center console, black |
| T12i | 12-pin connector, black |
| T12l | 12-pin connector |



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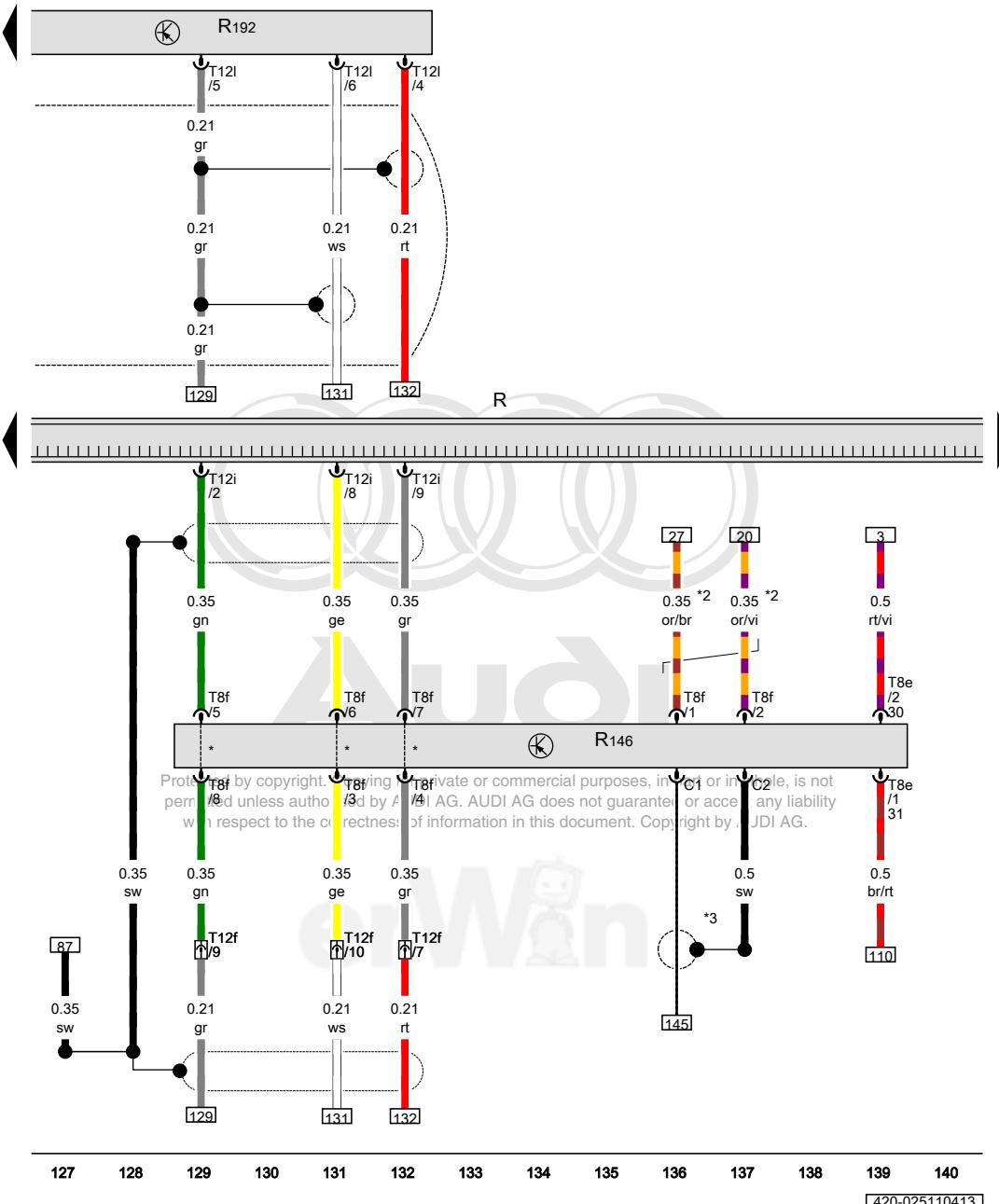


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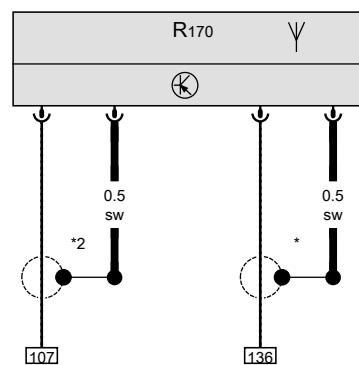
erWin

Radio, Satellite radio, iPod baseplate

| | |
|------|---|
| R | Radio |
| R146 | Satellite radio |
| R192 | iPod baseplate |
| T8e | 8-pin connector, black |
| T8f | 8-pin connector, black |
| T12f | 12-pin connector, in the rear center console, black |
| T12i | 12-pin connector, black |
| T12l | 12-pin connector |
| * | Only for vehicles without satellite radio |
| *2 | Data bus wire (CAN bus) |
| *3 | Only for vehicles with iPod bracket |



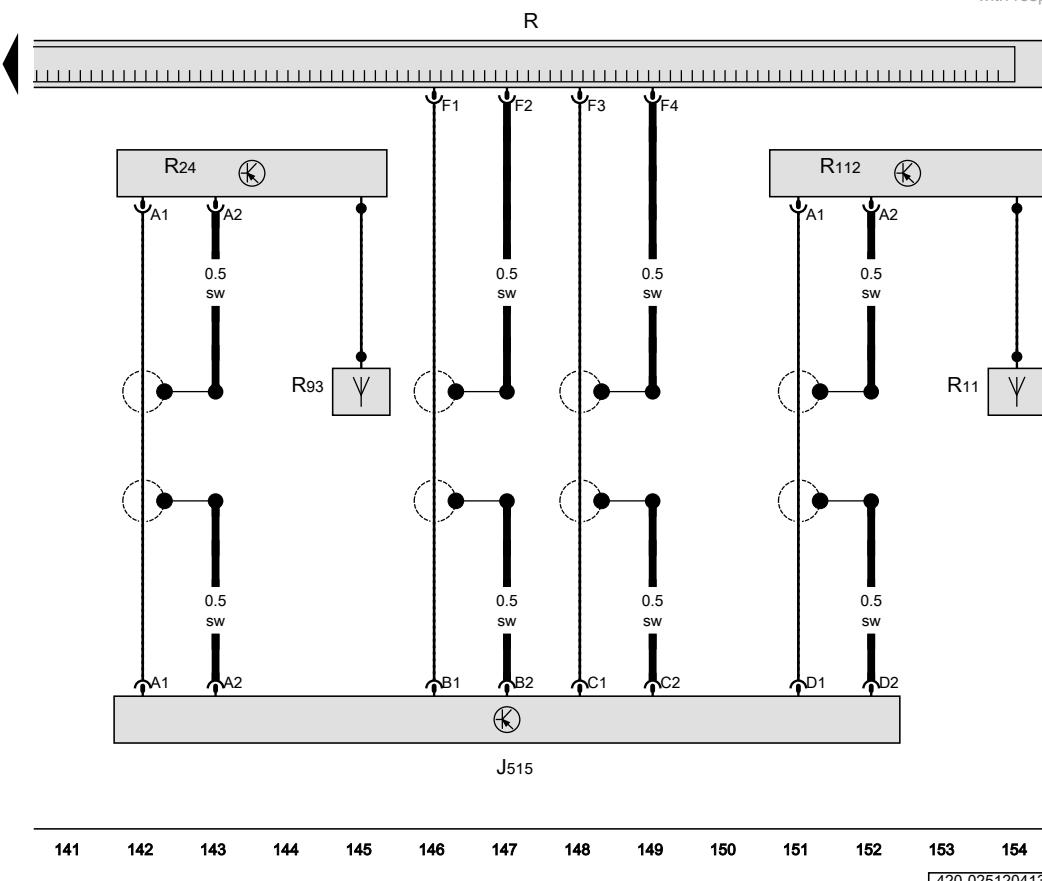
| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |



Antenna selection control module, Radio, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3, Satellite antenna

- J515 Antenna selection control module
- R Radio
- R11 Antenna
- R24 Antenna amplifier
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- R170 Satellite antenna, in the rear lid
- * Only for vehicles with iPod bracket
- *2 Only for vehicles with CD changer

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Radio navigation system, satellite radio

from May 2006

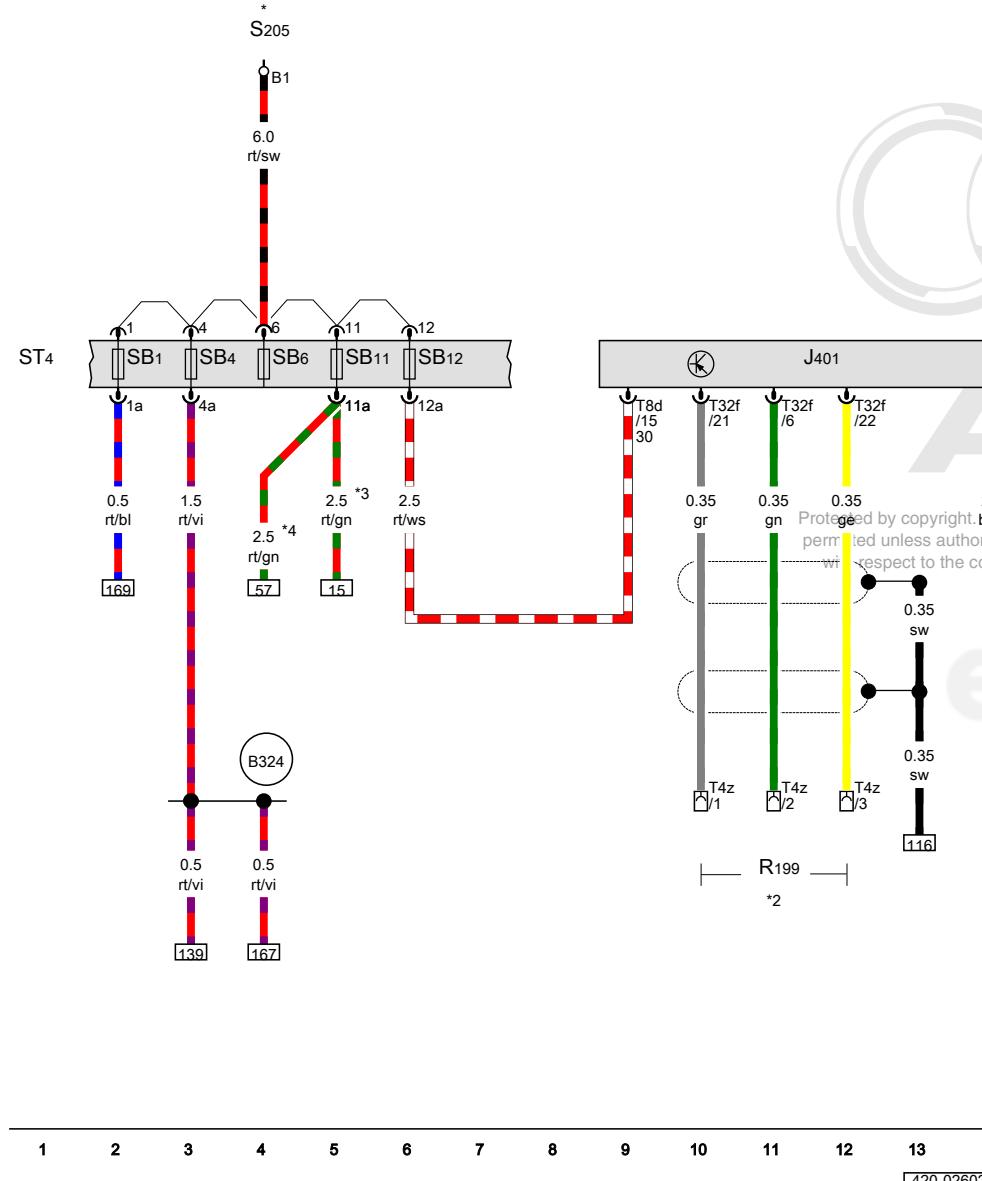


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erWin

Navigation system with CD drive control module, External audio source connection



- J401 Navigation system with CD drive control module
- R199 External audio source connection
- SB1 Fuse 1 (on fuse panel B)
- ST4 Fuse panel 4
- SB4 Fuse 4 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- SB12 Fuse 12 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T4z 4-pin connector, in the center console, black
- T8d 8-pin connector, black
- T32f 32-pin connector, gray

610 Audio ground connection under front center console

B324 Positive connection 10 (30a) (in main wiring harness)

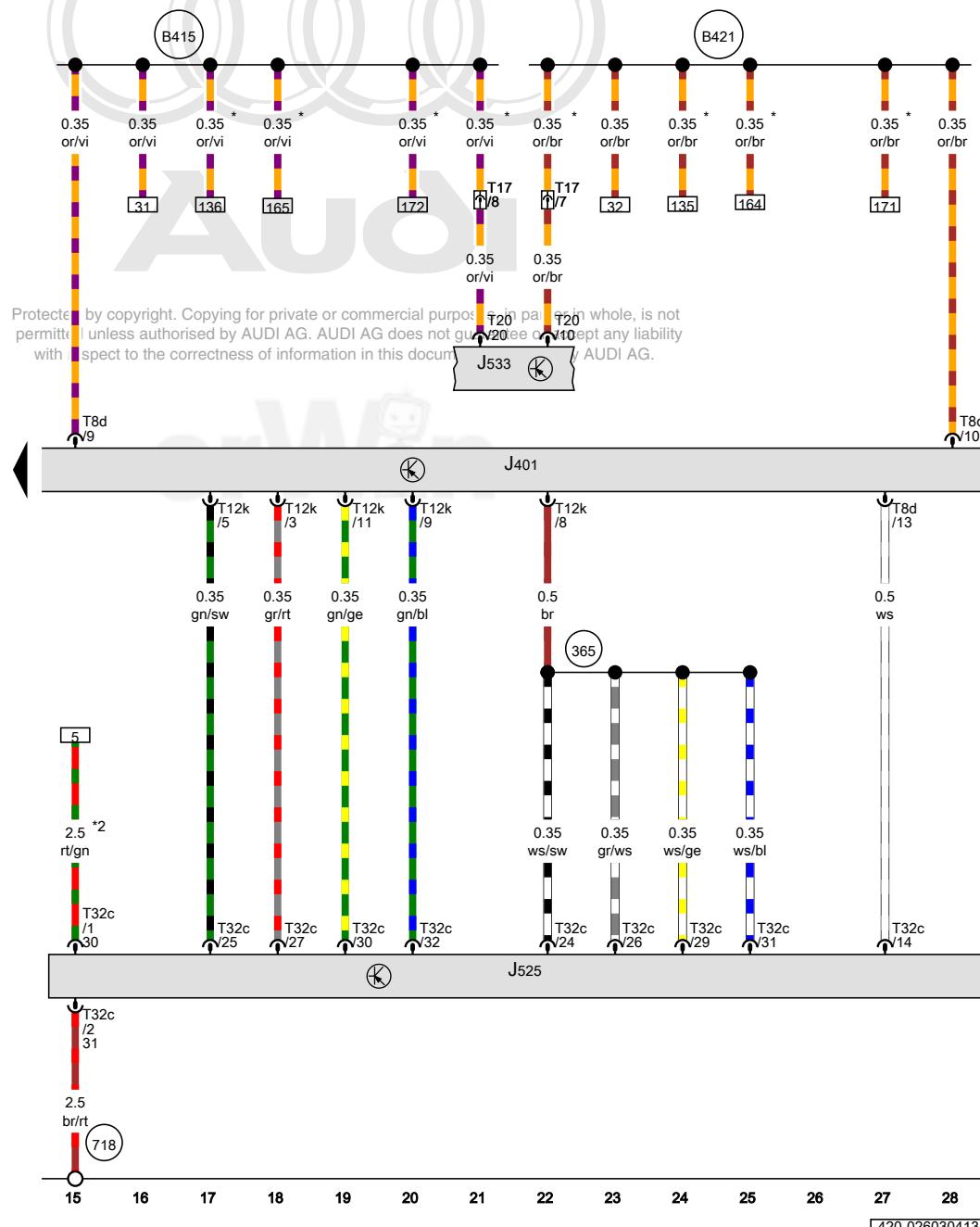
* Main distribution in the right front footwell

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

*3 Only for vehicles with standard sound system

*4 Only for vehicles with Bang & Olufsen sound 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



Navigation system with CD drive control module, Digital sound system control module, Data bus on board diagnostic interface

J401 Navigation system with CD drive control module

J525 Digital sound system control module

J533 Data bus on board diagnostic interface

T8d 8-pin connector, black

T12k 12-pin connector, black

T17 17-pin connector, Right front center console, red

T20 20-pin connector, red

T32c 32-pin connector, black

365 Low frequency ground connection 2 (in instrument panel wiring harness)

718 Audio ground connection under rear shelf

B415 Infotainment CAN Bus high connection 1 (in main wiring harness)

B421 Infotainment CAN bus low connection 1 (in main wiring harness)

* Data bus wire (CAN bus)

*2 Only for vehicles with standard sound system

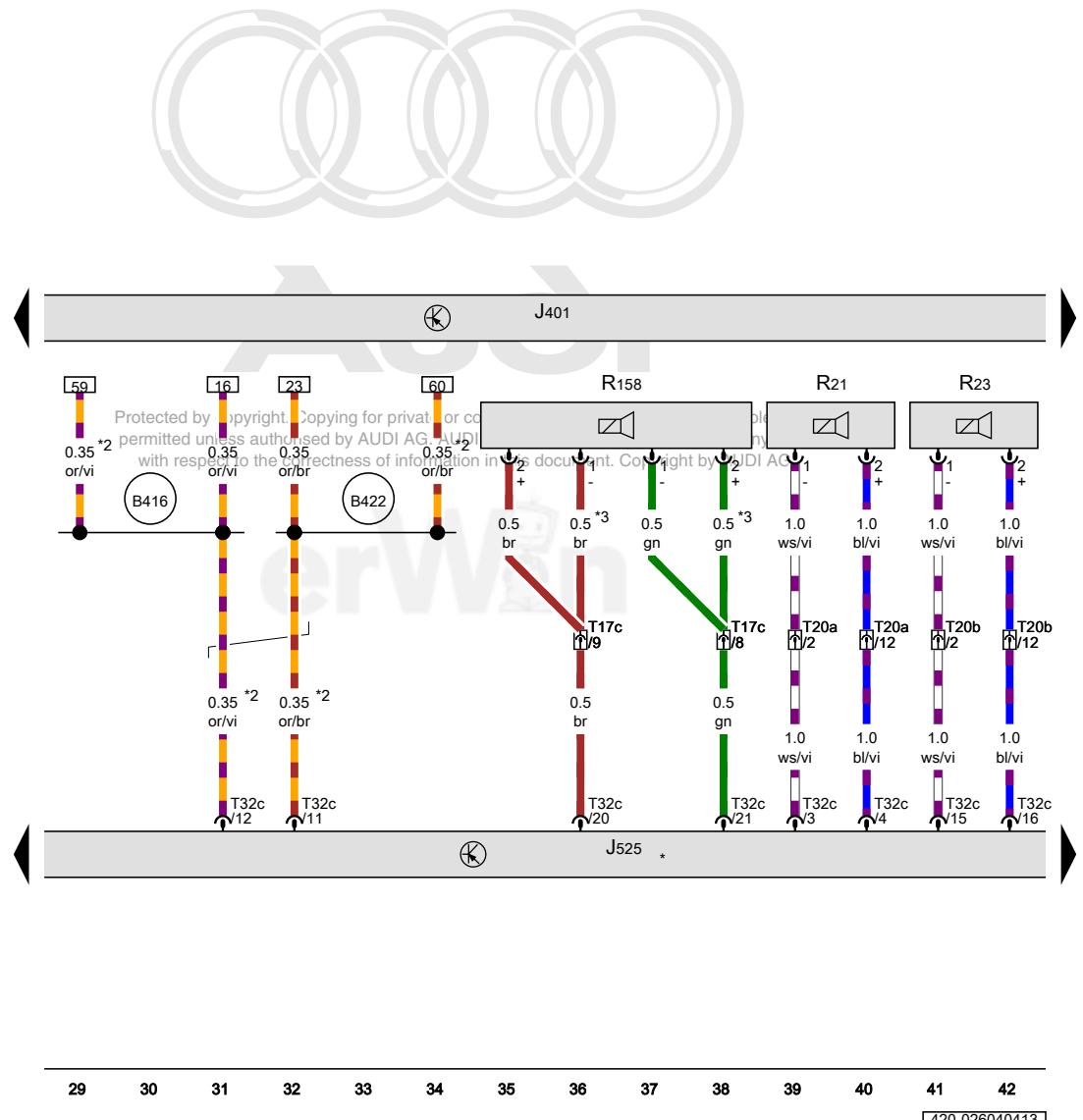
Navigation system with CD drive control module, Digital sound system control module, Left front bass speaker, Right front bass speaker, Center mid-treble speaker

- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R21 Left front bass speaker
- R23 Right front bass speaker
- R158 Center mid-treble speaker
- T17c 17-pin connector, Right front center console, blue
- T20a 20-pin connector, in the left front door, black
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black
- (B416) Infotainment CAN Bus high connection 2 (in main wiring harness)
- (B422) Infotainment CAN bus low connection 2 (in main wiring harness)

* Only for vehicles with standard sound system

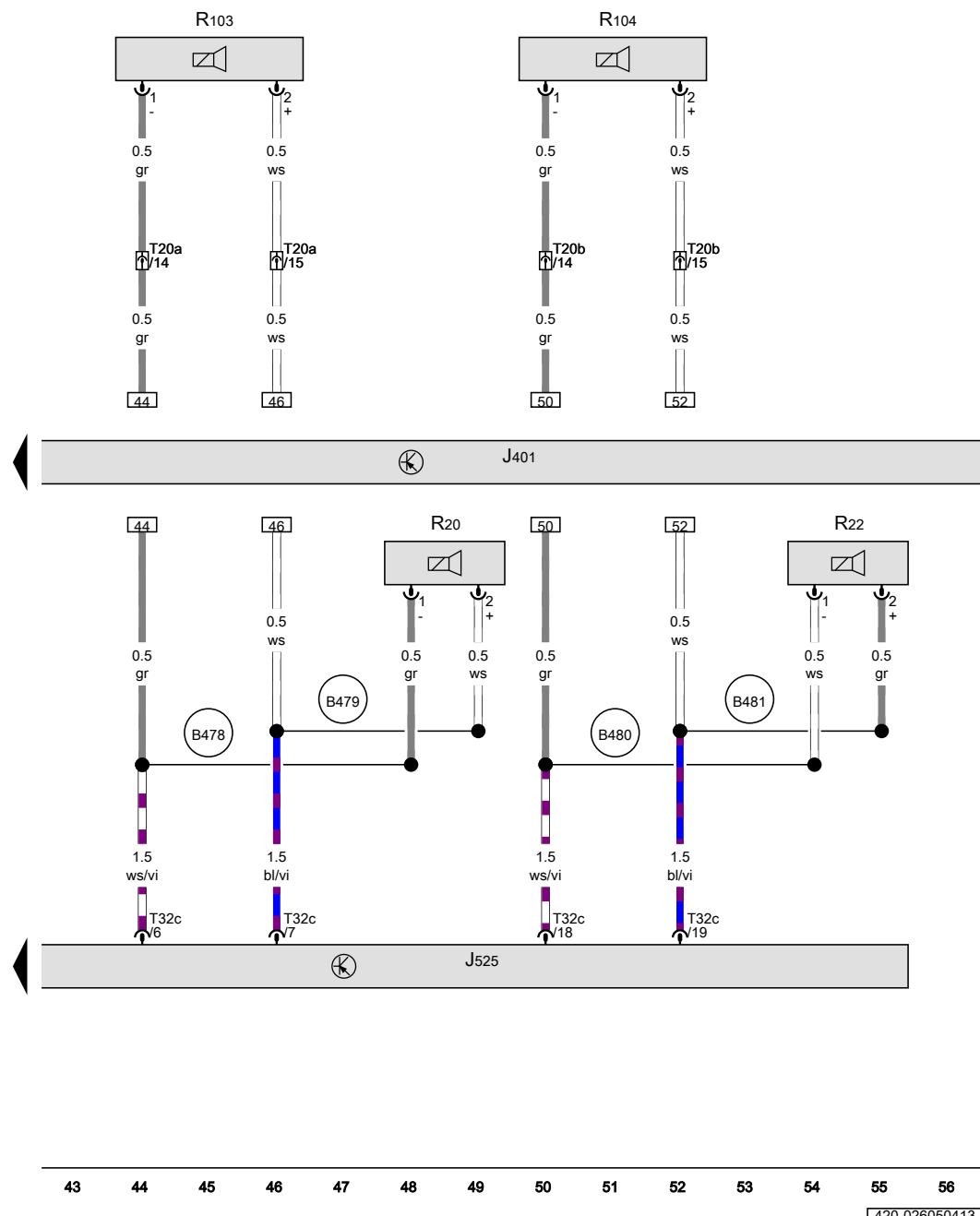
*2 Data bus wire (CAN bus)

*3 Running change



Legend:

- 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



Navigation system with CD drive control module, Digital sound system control module, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R20 Left front treble speaker
- R22 Right front treble speaker
- R103 Left front midrange speaker
- R104 Right front midrange speaker
- T20a 20-pin connector, in the left front door, black
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black

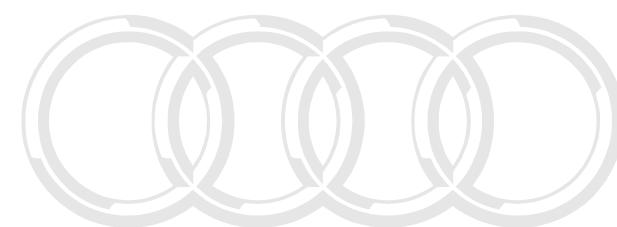
(B478) Connection 14 (in main wiring harness)

(B479) Connection 15 (in main wiring harness)

(B480) Connection 16 (in main wiring harness)

(B481) Connection 17 (in main wiring harness)

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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edvMan

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Navigation system with CD drive control module, Digital sound system control module

J401 Navigation system with CD drive control module

J525 Digital sound system control module

R36 Telephone transceiver

T12k 12-pin connector, black

T18c 18-pin connector, black

T32c 32-pin connector, black

T54a 54-pin connector, black

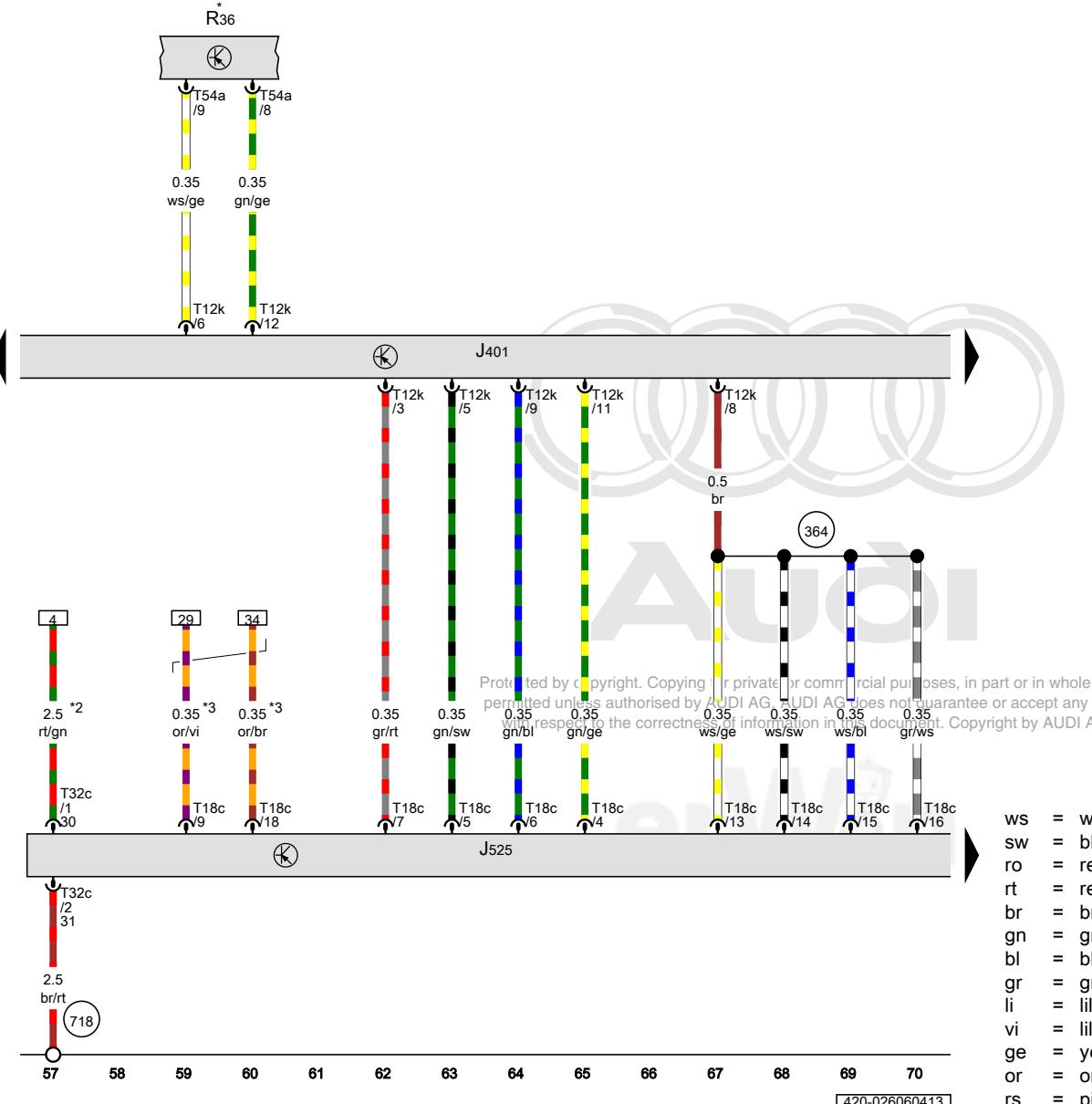
(364) Low frequency ground connection 1 (in instrument panel wiring harness)

(718) Audio ground connection under rear shelf

* Only for vehicles with cell phone preparation

*2 Only for vehicles with Bang & Olufsen sound system

*3 Data bus wire (CAN bus)



Navigation system with CD drive control module, Digital sound system control module, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

J401 Navigation system with CD drive control module

J525 Digital sound system control module

R20 Left front treble speaker

R22 Right front treble speaker

R103 Left front midrange speaker

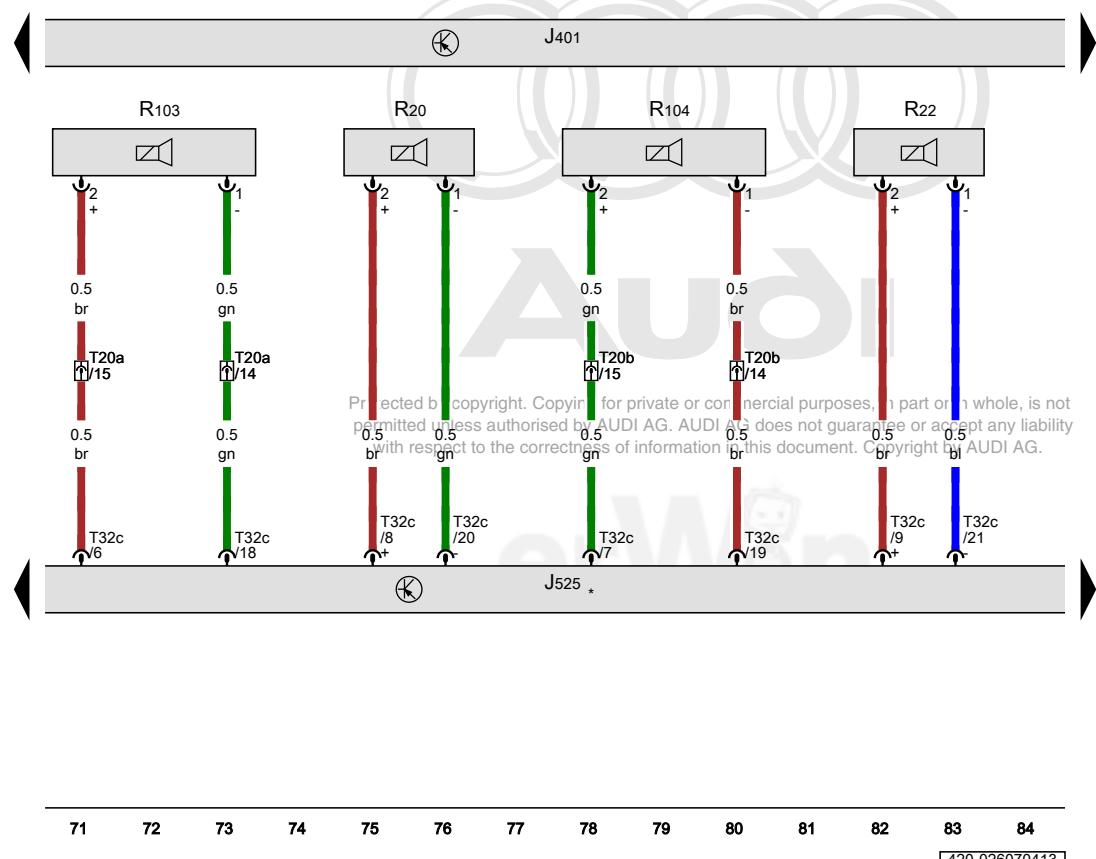
R104 Right front midrange speaker

T20a 20-pin connector, in the left front door, black

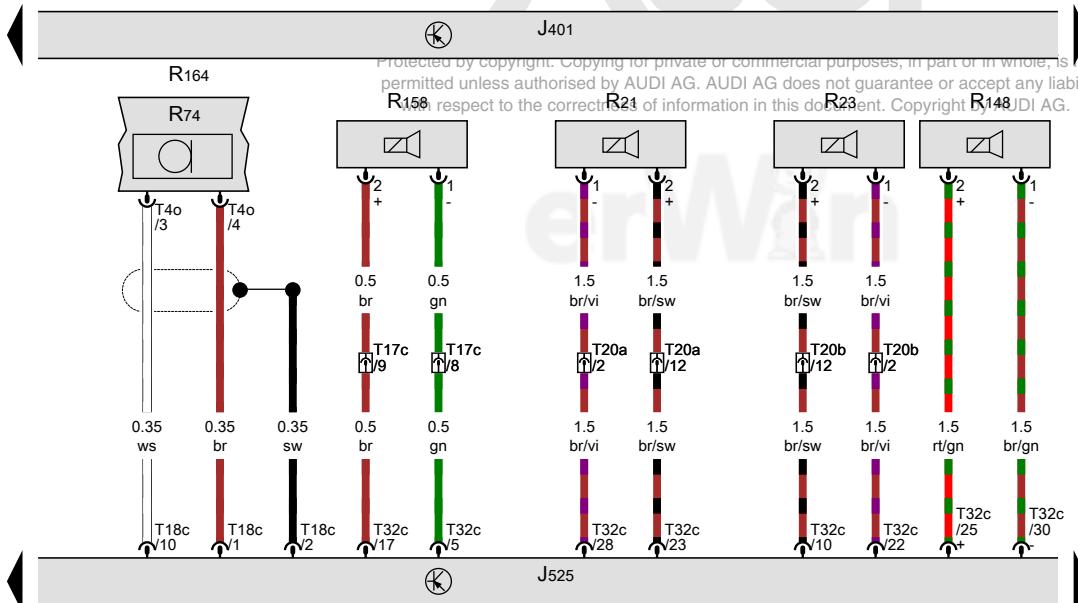
T20b 20-pin connector, in the right front door, black

T32c 32-pin connector, black

* Only for vehicles with Bang & Olufsen sound 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 |



Navigation system with CD drive control module, Digital sound system control module, Left front bass speaker, Right front bass speaker, Interior microphone, Speaker in center, Center mid-treble speaker, Microphone unit in front roof module

- J401 Navigation system with CD drive control module
 - J525 Digital sound system control module
 - R21 Left front bass speaker
 - R23 Right front bass speaker
 - R74 Interior microphone
 - R148 Speaker in center
 - R158 Center mid-treble speaker
 - R164 Microphone unit in front roof module
 - T4o 4-pin connector, black
 - T17c 17-pin connector, blue
 - T18c 18-pin connector, black
 - T20a 20-pin connector, in the left front door, black
 - T20b 20-pin connector, in the right front door, black
 - T32c 32-pin connector, black

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

Navigation system with CD drive control module, Digital sound system control module, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

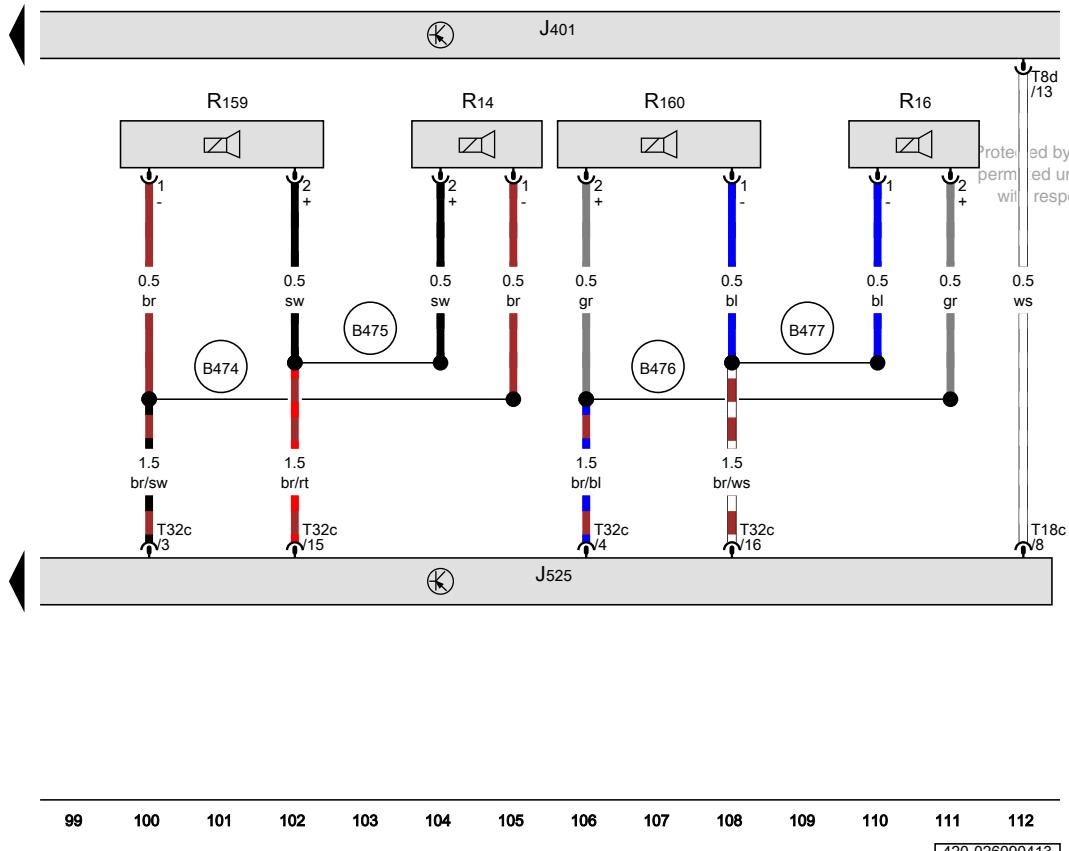
- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8d 8-pin connector, black
- T18c 18-pin connector, black
- T32c 32-pin connector, black

(B474) Connection 10 (in main wiring harness)

(B475) Connection 11 (in main wiring harness)

(B476) Connection 12 (in main wiring harness)

(B477) Connection 13 (in main wiring harness)



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

Navigation system with CD drive control module, CD changer

J401 Navigation system with CD drive control module

R41 CD changer

T12f 12-pin connector, black

T12i 12-pin connector, black

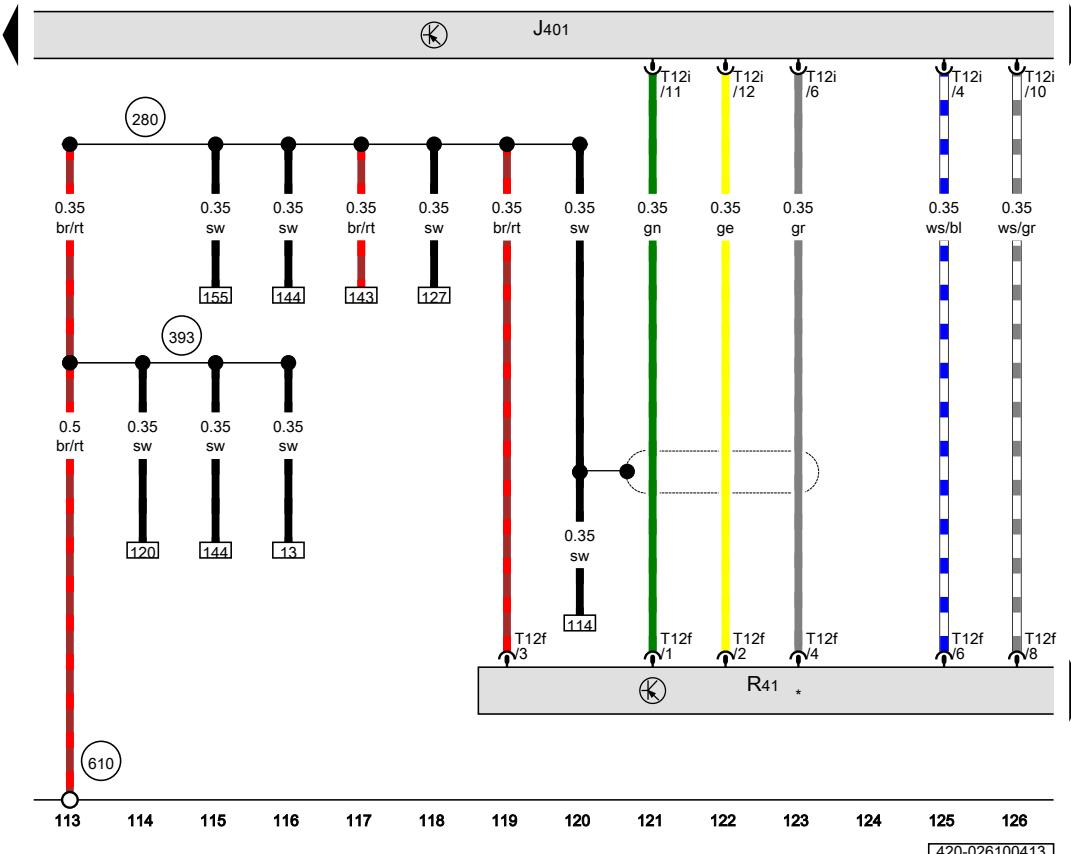
(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

* Only for vehicles with CD changer

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Navigation system with CD drive control module, CD changer, Satellite radio

J401 Navigation system with CD drive control module

R41 CD changer

R146 Satellite radio

T8e 8-pin connector, black

T8f 8-pin connector, black

T12f 12-pin connector, black

T12i 12-pin connector, black

(394) Ground connection 29 (in main wiring harness)

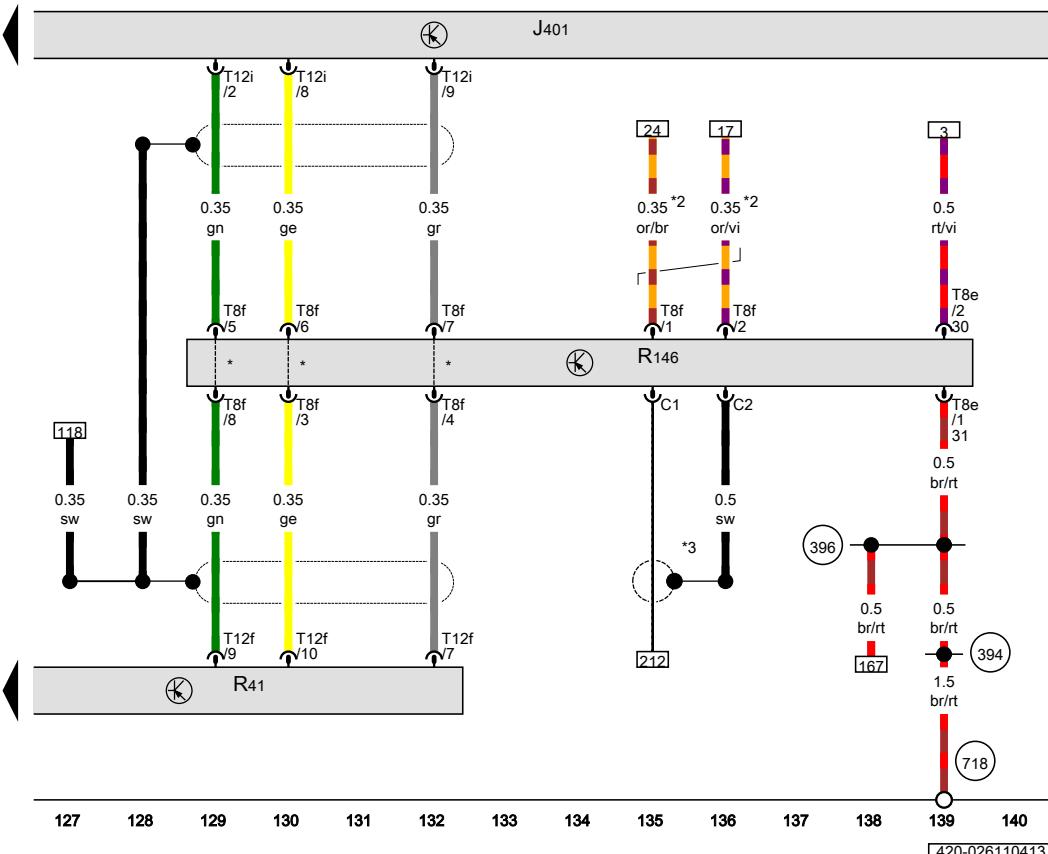
(396) Ground connection 31 (in main wiring harness)

(718) Audio ground connection under rear shelf

* Only for vehicles without satellite radio

*2 Data bus wire (CAN bus)

*3 Only for vehicles with CD changer



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

Navigation system with CD drive control module, iPod baseplate

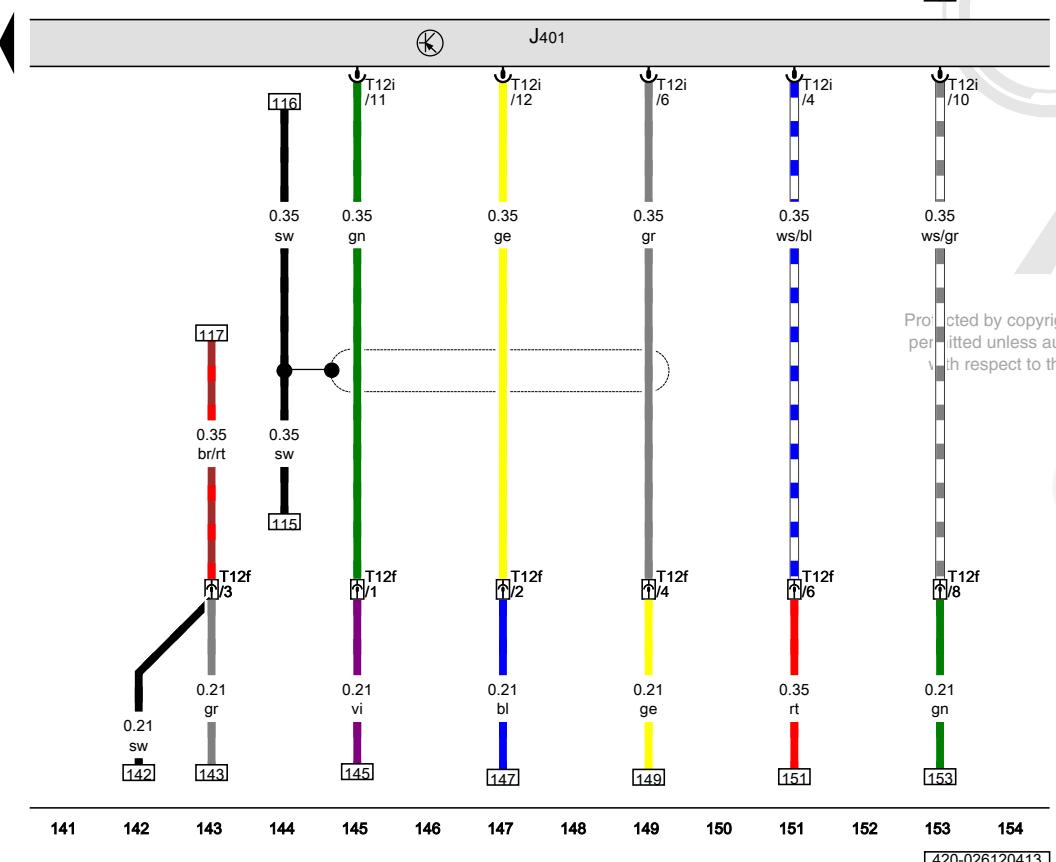
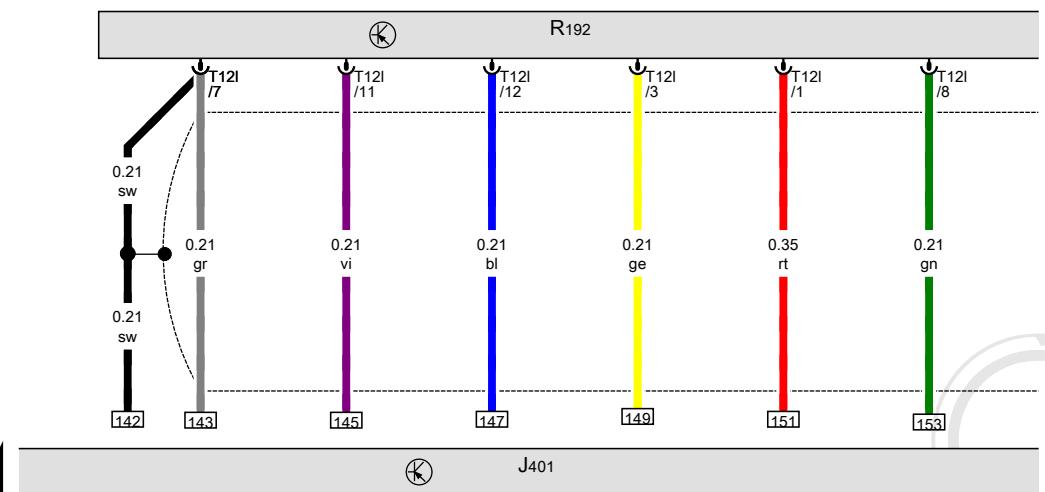
J401 Navigation system with CD drive control module

R192 iPod baseplate

T12f 12-pin connector, in the rear center console, black

T12i 12-pin connector, black

T12l 12-pin connector



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

Navigation system with CD drive control module, Satellite radio, iPod baseplate

J401 Navigation system with CD drive control module

R146 Satellite radio

R192 iPod baseplate

T8e 8-pin connector, black

T8f 8-pin connector, black

T12f 12-pin connector, in the rear center console, black

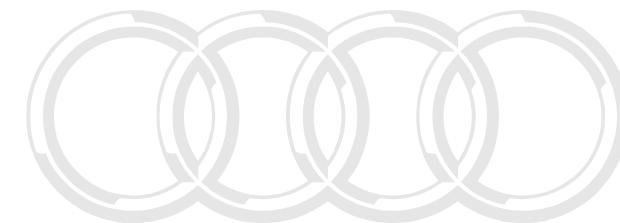
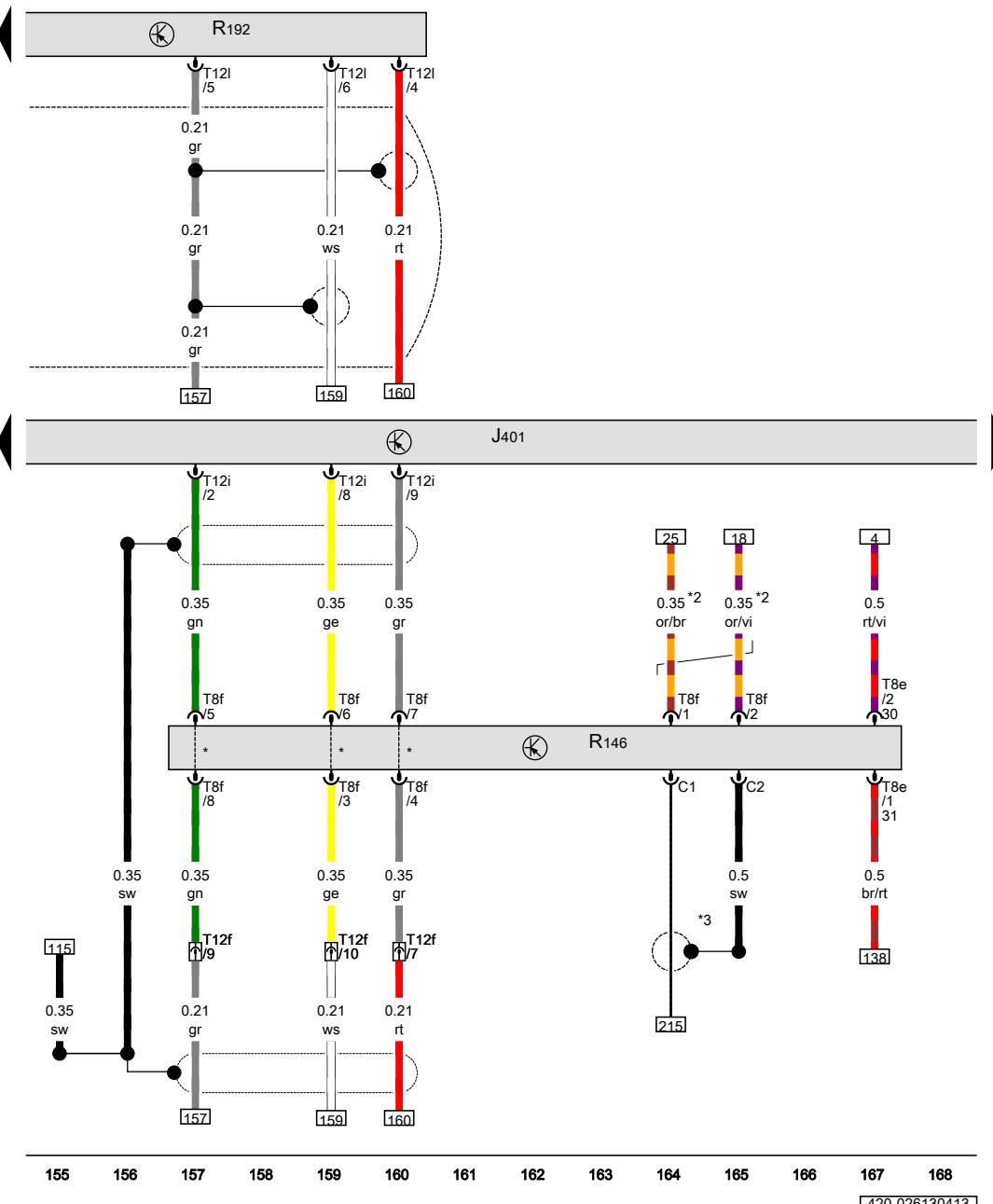
T12i 12-pin connector, black

T12l 12-pin connector

* Only for vehicles without satellite radio

*2 Data bus wire (CAN bus)

*3 Only for vehicles with iPod bracket



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rt = red

br = brown

gn = green

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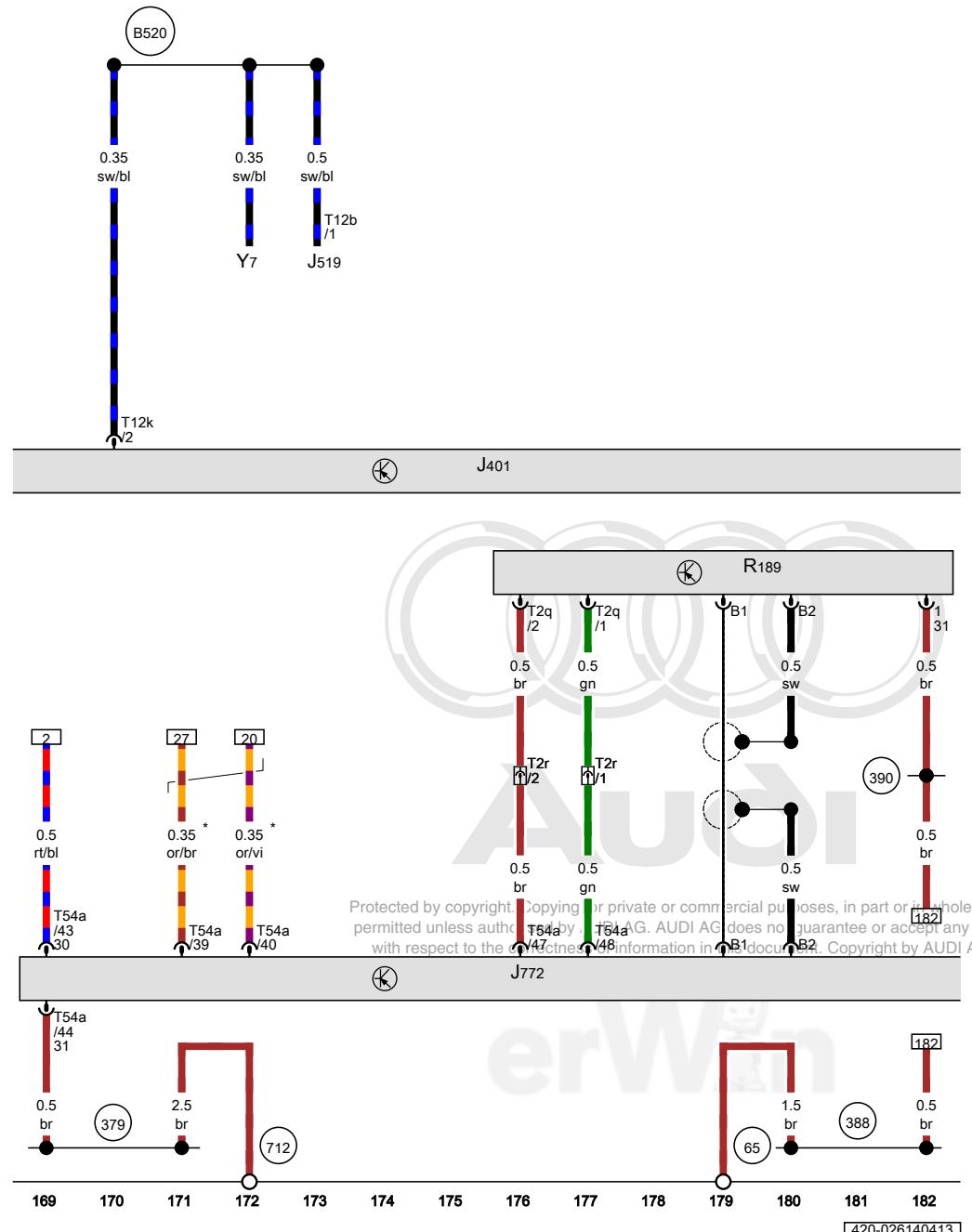
li = lilac

vi = lilac

ge = yellow

or = orange

rs = pink



Navigation system with CD drive control module, Rearview camera system control module, Rearview camera

J401 Navigation system with CD drive control module

J519 Vehicle electrical system control module

J772 Rearview camera system control module

R189 Rearview camera

T2q Double connector, brown

T2r Double connector, on the left B-pillar, black

T12b 12-pin connector, black

T12k 12-pin connector, black

T54a 54-pin connector, black

Y7 Automatic dimming interior rearview mirror

65 Ground connection on left rear longitudinal member

379 Ground connection 14 (in main wiring harness)

388 Ground connection 23 (in main wiring harness)

390 Ground connection 25 (in main wiring harness)

712 Ground connection under rear shelf, left

B520 Connection RF (in main wiring harness)

* Data bus wire (CAN bus)

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li = lilac
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or = orange
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Navigation system with CD drive control module, Rearview camera system control module

J401 Navigation system with CD drive control module

J772 Rearview camera system control module

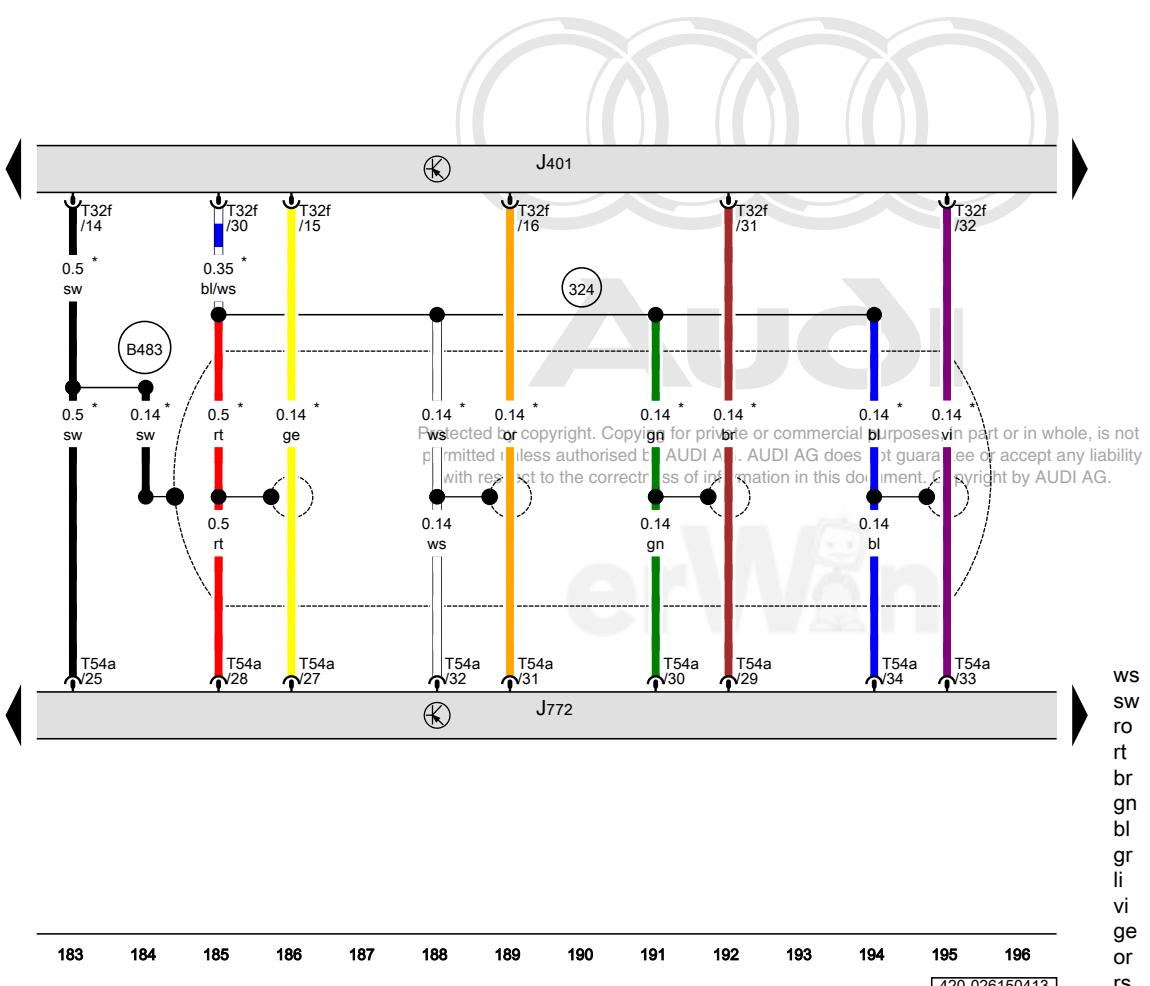
T32f 32-pin connector, gray

T54a 54-pin connector, black

(324) Navigation shielding 1 ground connection (in communication wiring harness)

(B483) Connection 19 (in main wiring harness)

* Through May 2007



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| or | = orange |
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Navigation system with CD drive control module, Rearview camera system control module

J401 Navigation system with CD drive control module

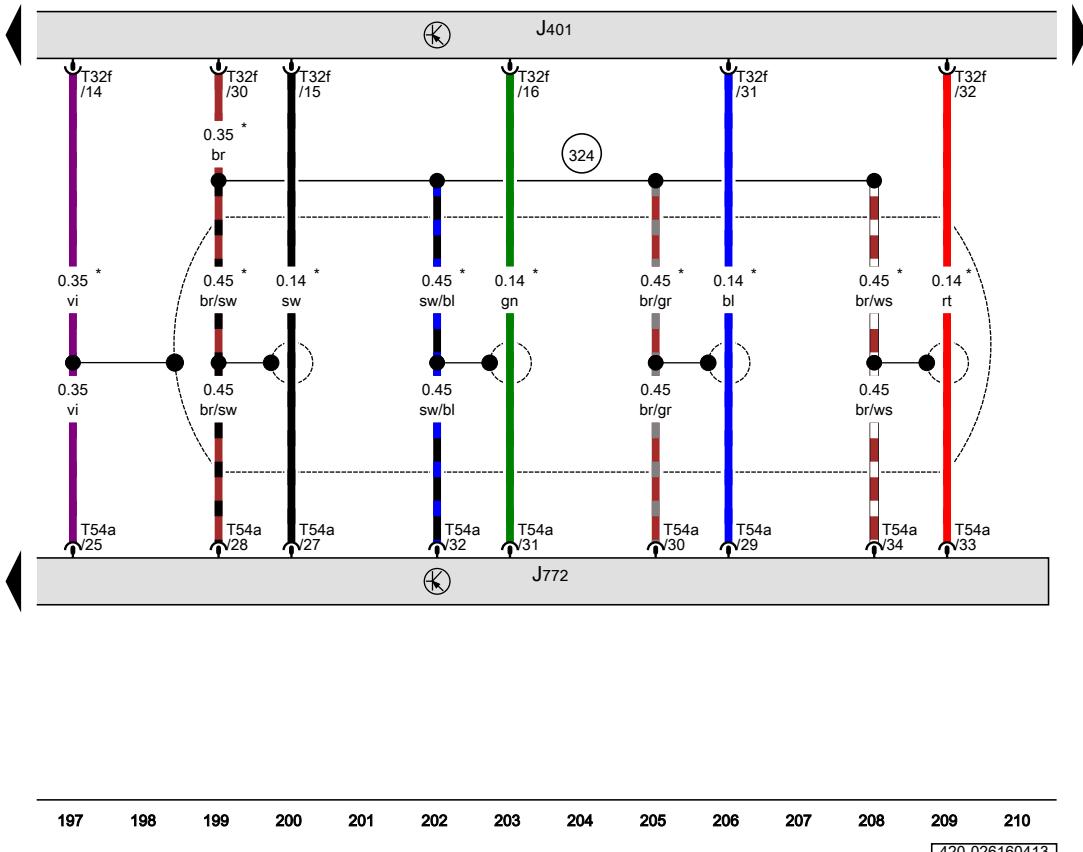
J772 Rearview camera system control module

T32f 32-pin connector, gray

T54a 54-pin connector, black

324 Navigation shielding 1 ground connection (in communication wiring harness)

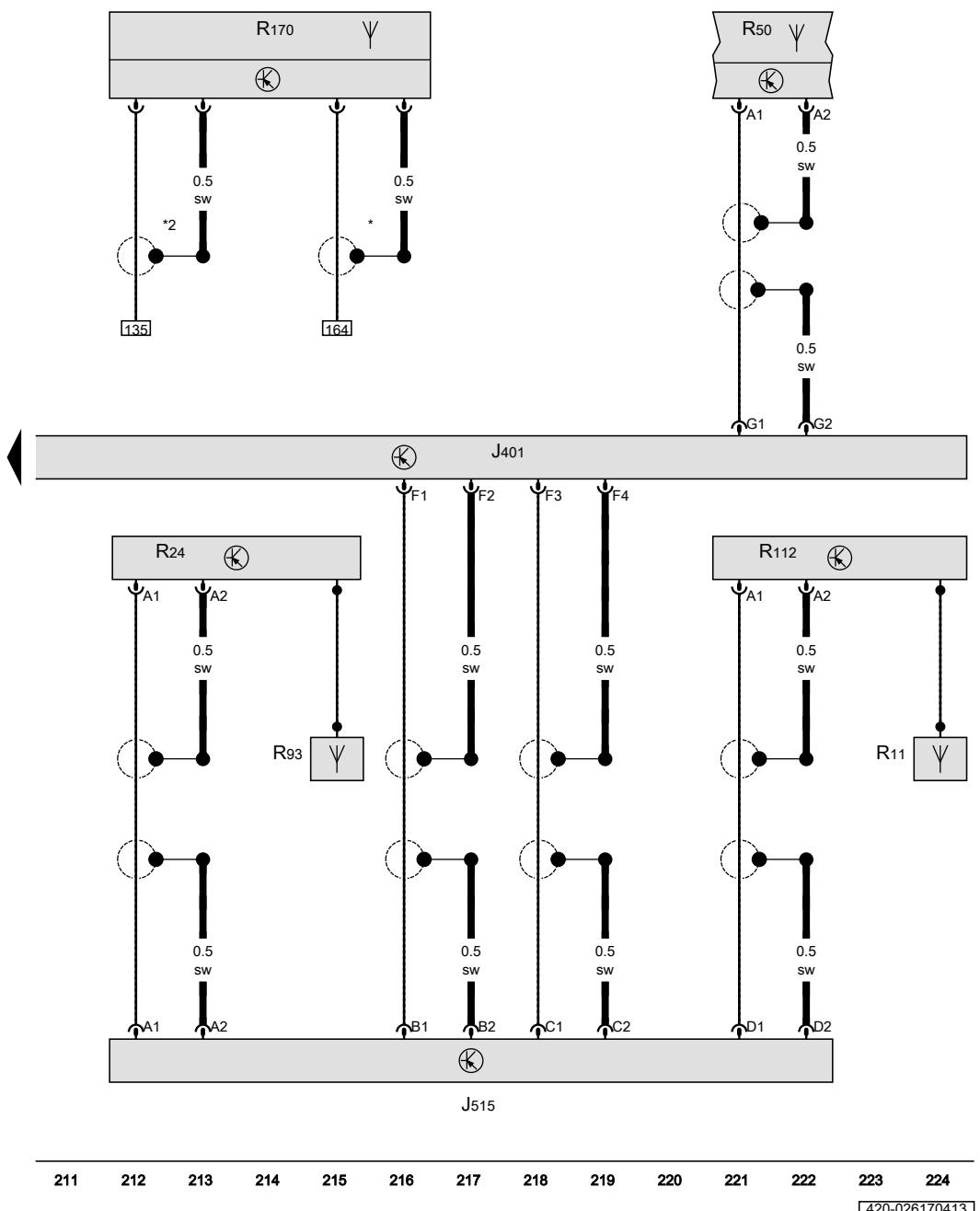
* from June 2007



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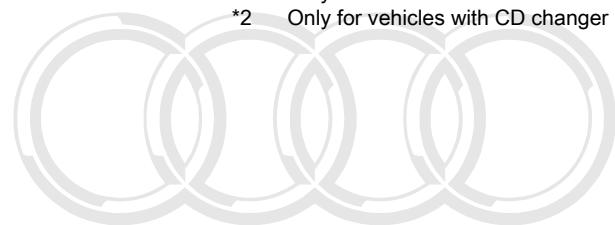


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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |



Navigation system with CD drive control module, Antenna selection control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 3, Satellite antenna

- J401 Navigation system with CD drive control module
- J515 Antenna selection control module
- R11 Antenna
- R24 Antenna amplifier
- R50 GPS antenna, in the instrument panel, center
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- R170 Satellite antenna, in the rear lid
- * Only for vehicles with iPod bracket
- *2 Only for vehicles with CD changer



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| rs | = pink |

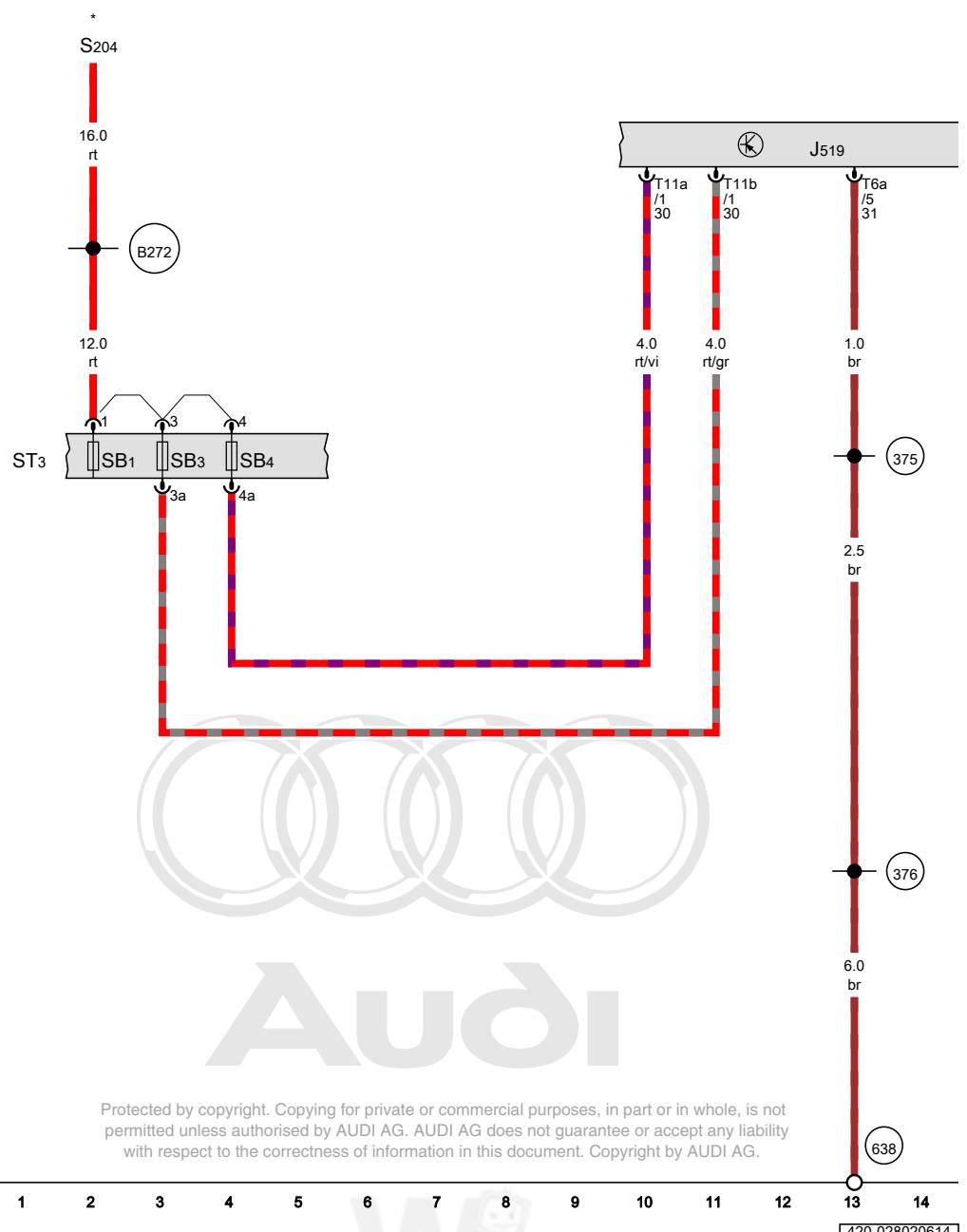
Headlamps LED

from June 2008



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Vehicle electrical control module system

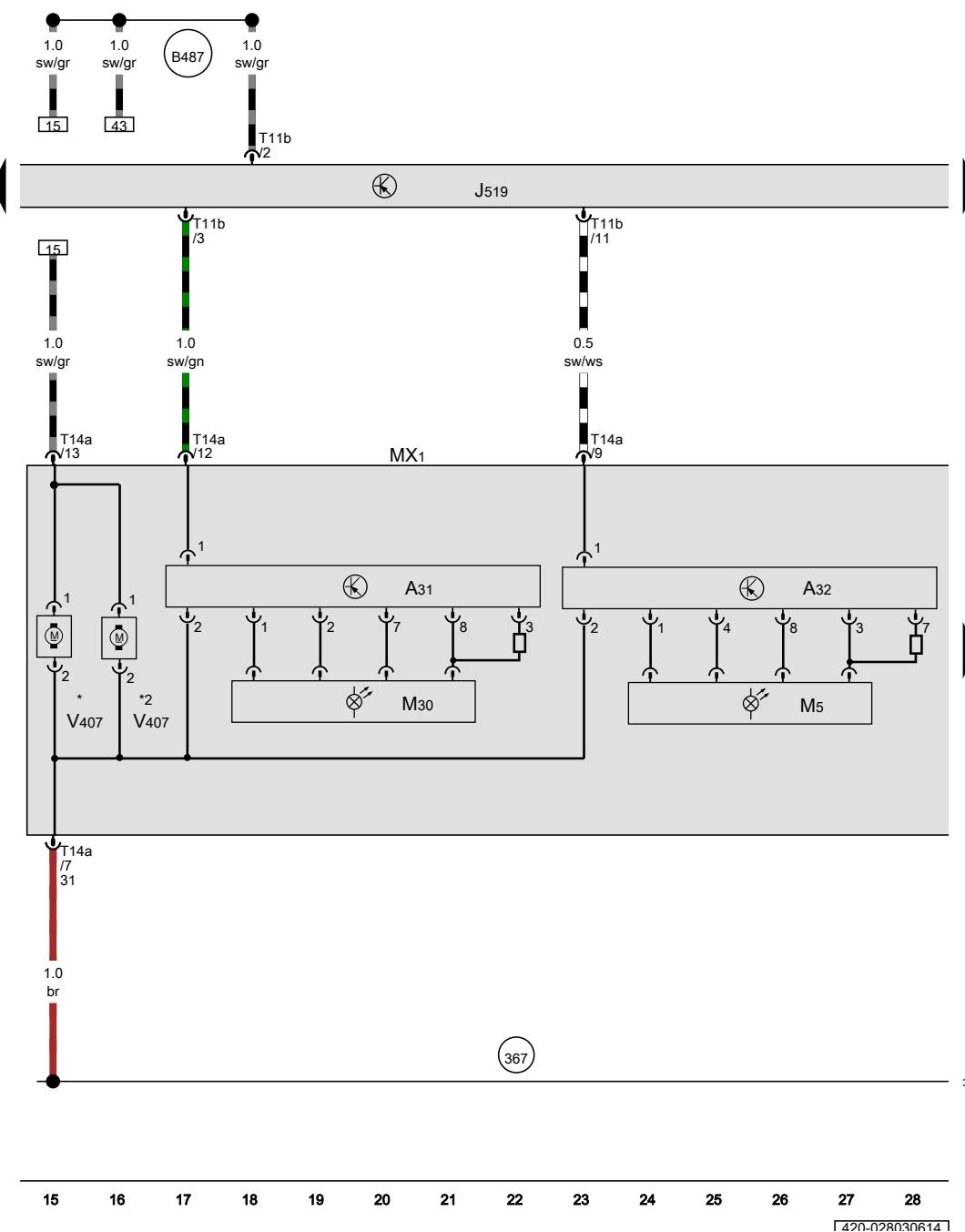
- J519 Vehicle electrical control module system
 - SB1 Fuse 1 (on fuse panel B)
 - SB3 Fuse 3 (on fuse panel B)
 - ST3 Fuse panel 3
 - SB4 Fuse 4 (on fuse panel B)
 - S204 Fuse 1 (terminal 30)
 - T6a 6-pin connector, black
 - T11a 11-pin connector, black
 - T11b 11-pin connector, brown
 - (375) Ground connection 10 (in main wiring harness)
 - (376) Ground connection 11 (in main wiring harness)
 - (638) Ground connection on right A-pillar
 - (B272) Positive connection (30) (in main wiring harness)
- * Main distribution in the right front footwell

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

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

420-0280206141



Vehicle electrical control module system, Left front headlamp

A31 Left LED headlamps power output module 1

A32 Left LED headlamps power output module 2

J519 Vehicle electrical control module system

MX1 Left front headlamp

M5 Left front turn signal bulb

M30 Left high beam headlamps bulb

T11b 11-pin connector, brown

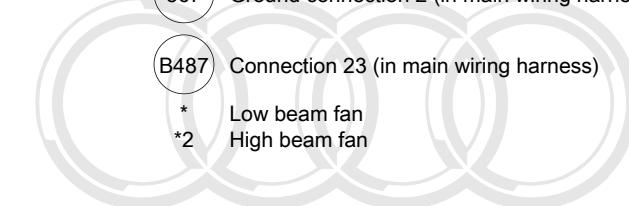
T14a 14-pin connector, black

V407 Left headlamps fan

367 Ground connection 2 (in main wiring harness)

B487 Connection 23 (in main wiring harness)

*2 Low beam fan
High beam fan



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

367

F420-00280306141

Vehicle electrical control module system, Left front headlamp

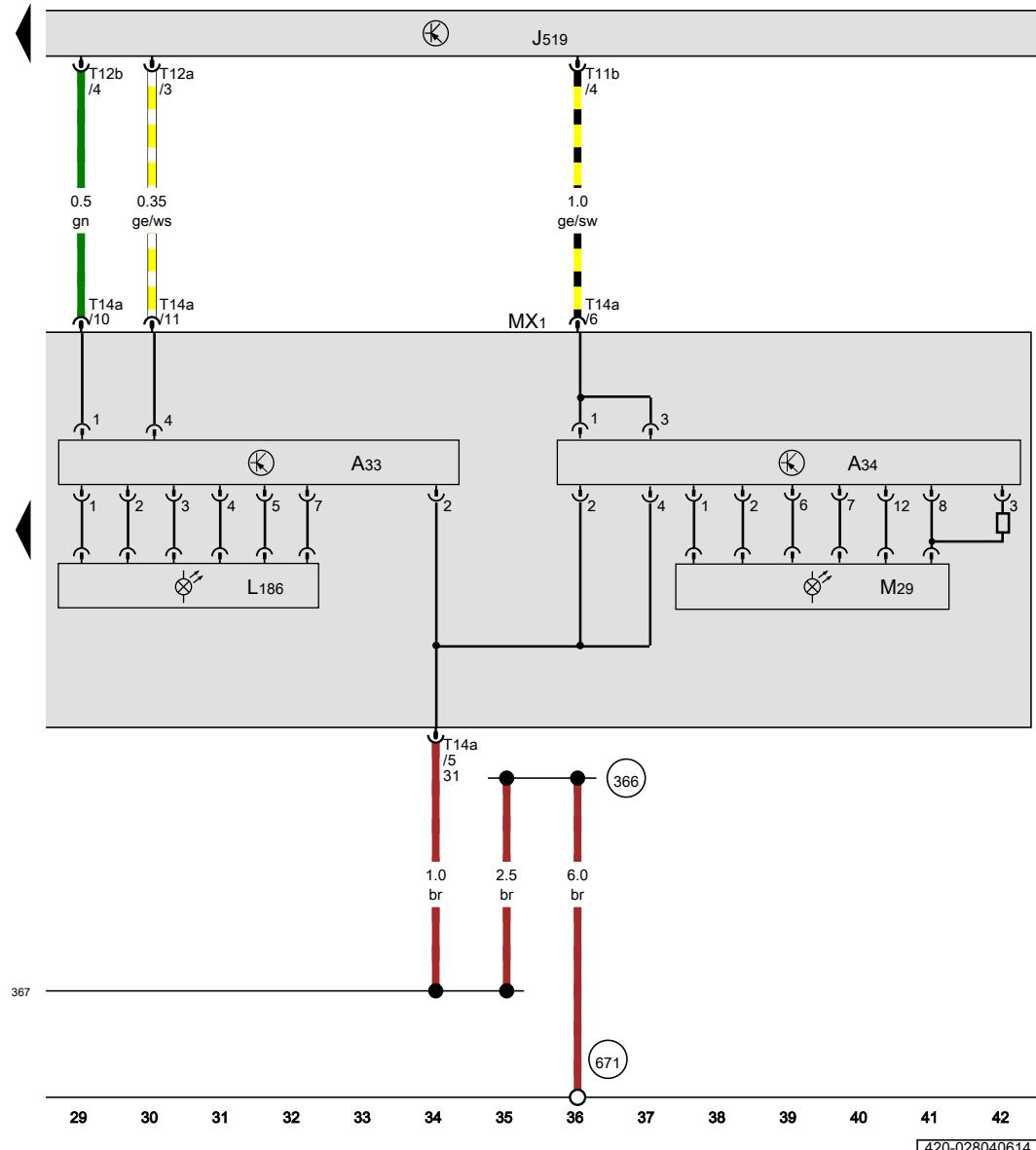
- A33 Left LED headlamp power output module 3
 A34 Left LED headlamp power output module 4
 J519 Vehicle electrical control module system
 L186 Left daytime running lamp and position lamp bulb
 MX1 Left front headlamp
 M29 Left low beam headlamp bulb
 T11b 11-pin connector, brown
 T12a 12-pin connector, black
 T12b 12-pin connector, black
 T14a 14-pin connector, black

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366 Ground connection 1 (in main wiring harness)

367 Ground connection 2 (in main wiring harness)

671 Ground connection 1 on left front longitudinal member

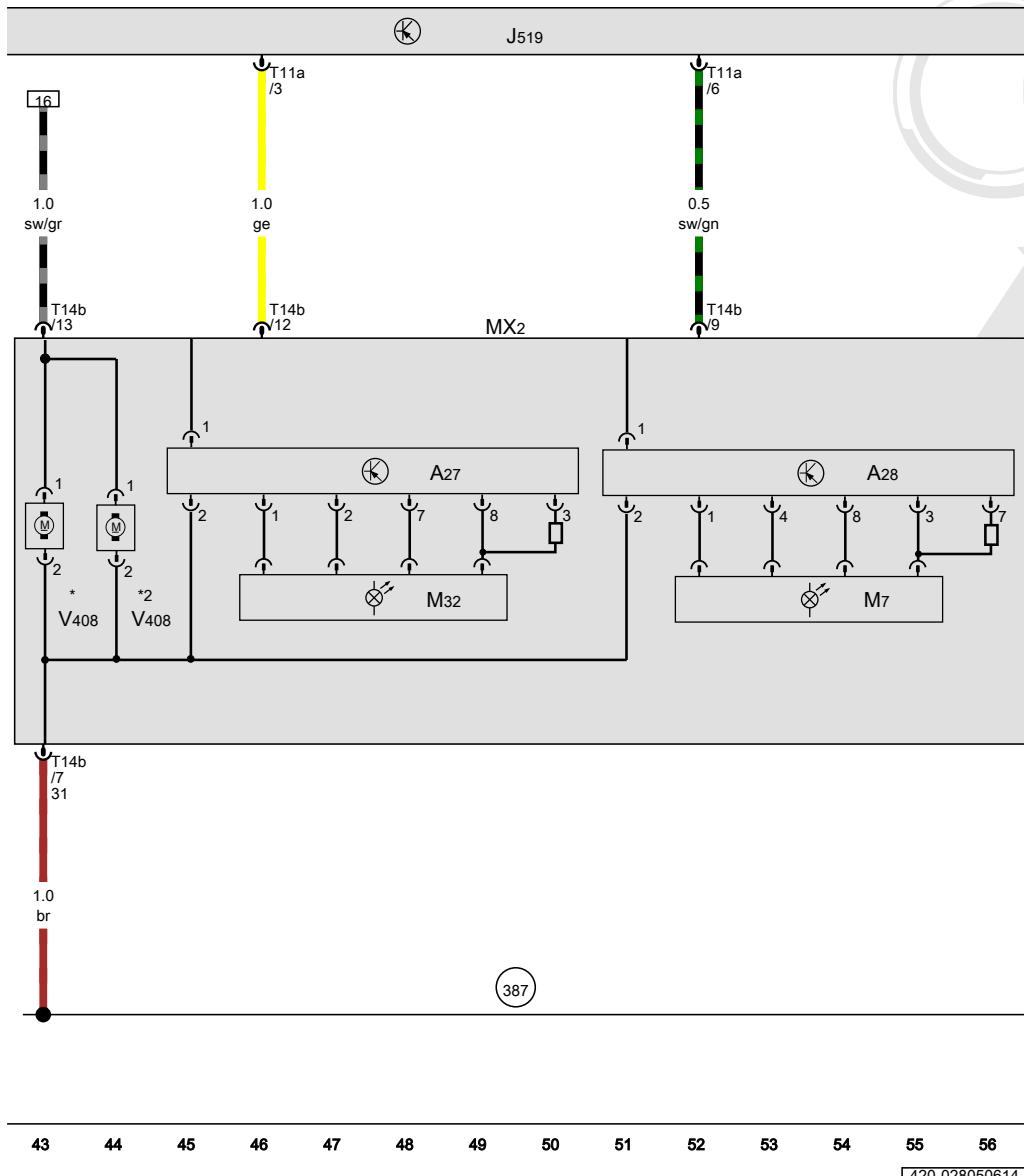


Vehicle electrical control module system, Right front headlamp

- A27 Right LED headlamp power output module 1
- A28 Right LED headlamp power output module 2
- J519 Vehicle electrical control module system
- MX2 Right front headlamp
- M7 Right front turn signal bulb
- M32 Right high beam headlamp bulb
- T11a 11-pin connector, black
- T14b 14-pin connector, black
- V408 Right headlamp fan
- 387 Ground connection 22 (in main wiring harness)

* Low beam fan
*2 High beam fan

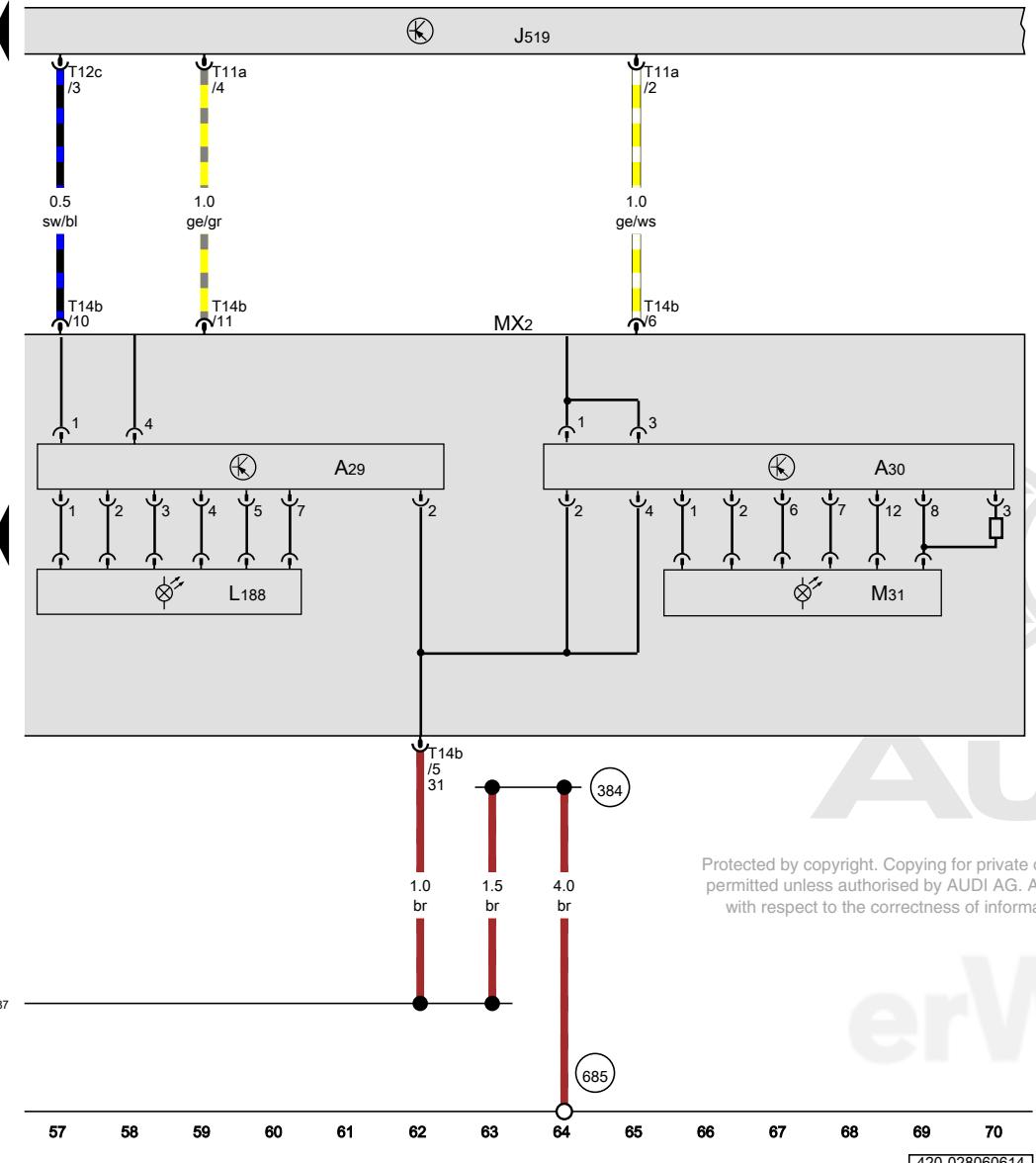
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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

1420-07280506141

Vehicle electrical control module system, Right front headlamp



A29 Right LED headlamp power output module 3
A30 Right LED headlamp power output module 4
J519 Vehicle electrical control module system

L188 Right daytime running lamp and position lamp bulb

MX2 Right front headlamp

M31 Right low beam headlamp bulb

T11a 11-pin connector, black

T12c 12-pin connector, brown

T14b 14-pin connector, black

(384) Ground connection 19 (in main wiring harness)

(387) Ground connection 22 (in main wiring harness)

(685) Ground connection 1 on right front longitudinal member

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

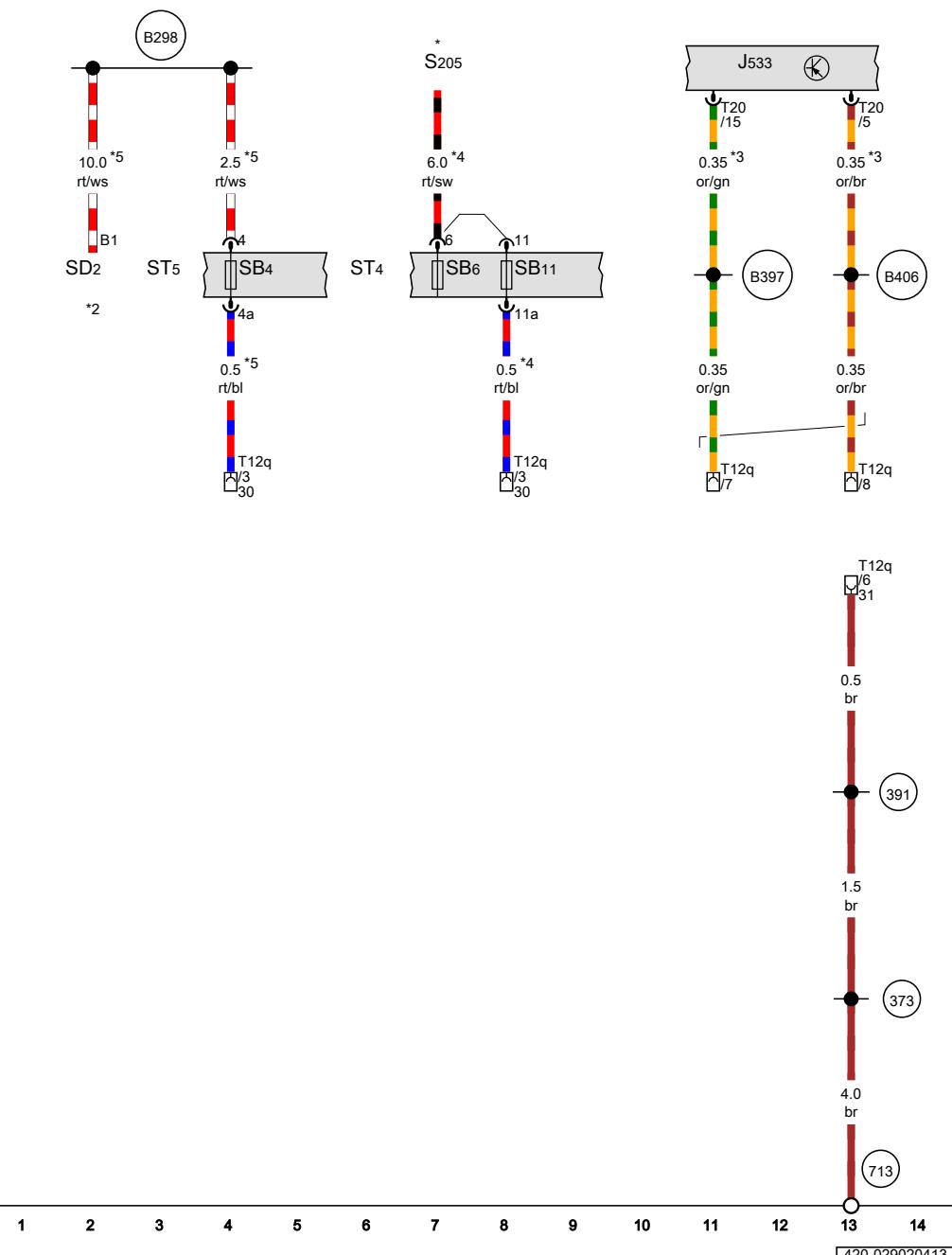
Special functions interface

from November 2008



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Fuse 2 (on fuse panel D), Fuse 2 (terminal 30), 12-pin connector

- J533 Data bus on board diagnostic interface
- SD2 Fuse 2 (on fuse panel D)
- ST4 Fuse panel 4
- SB4 Fuse 4 (on fuse panel B)
- ST5 Fuse panel 5
- SB6 Fuse 6 (on fuse panel B)
- SB11 Fuse 11 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T12q 12-pin connector, under the right front seat, brown
- T20 20-pin connector, red
- 373 Ground connection 8 (in main wiring harness)
- 391 Ground connection 26 (in main wiring harness)
- 713 Ground connection under rear shelf, right
- B298 Positive connection 2 (30) (in main wiring harness)
- B397 Comfort system CAN bus high connection 1 (in main wiring harness)

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* Main distribution in the right front footwell

*2 Main fuse box in the right front footwell

*3 Data bus wire (CAN bus)

*4 from June 2009

*5 Through May 2009

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| ws | = white |
| sw | = black |
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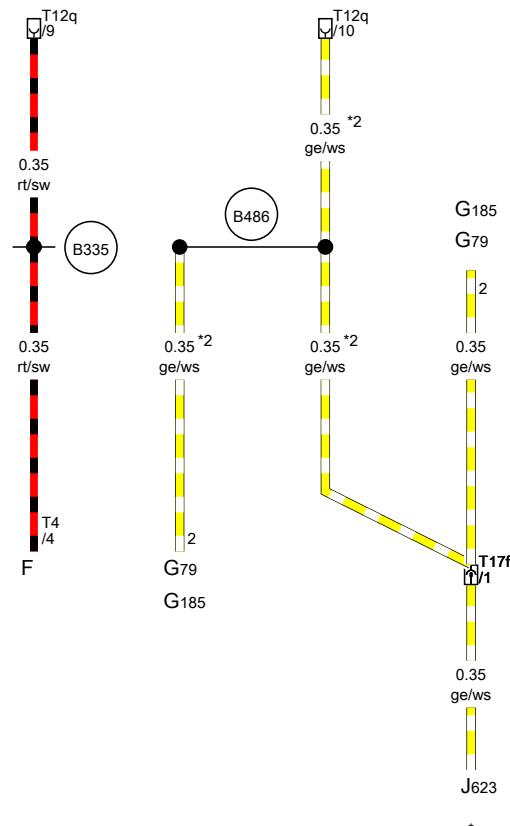
12-pin connector

- F Brake lamp switch
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- J623 Engine control module
- T4 4-pin connector, black
- T12q 12-pin connector, under the right front seat, brown
- T17f 17-pin connector, Connector station under the rear shelf, right, white

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

(B486) Connection 22 (in main wiring harness)

* Refer to applicable engine wiring diagram
*2 Only for vehicles with special functions interface



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

1420-07990304131



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erWin

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

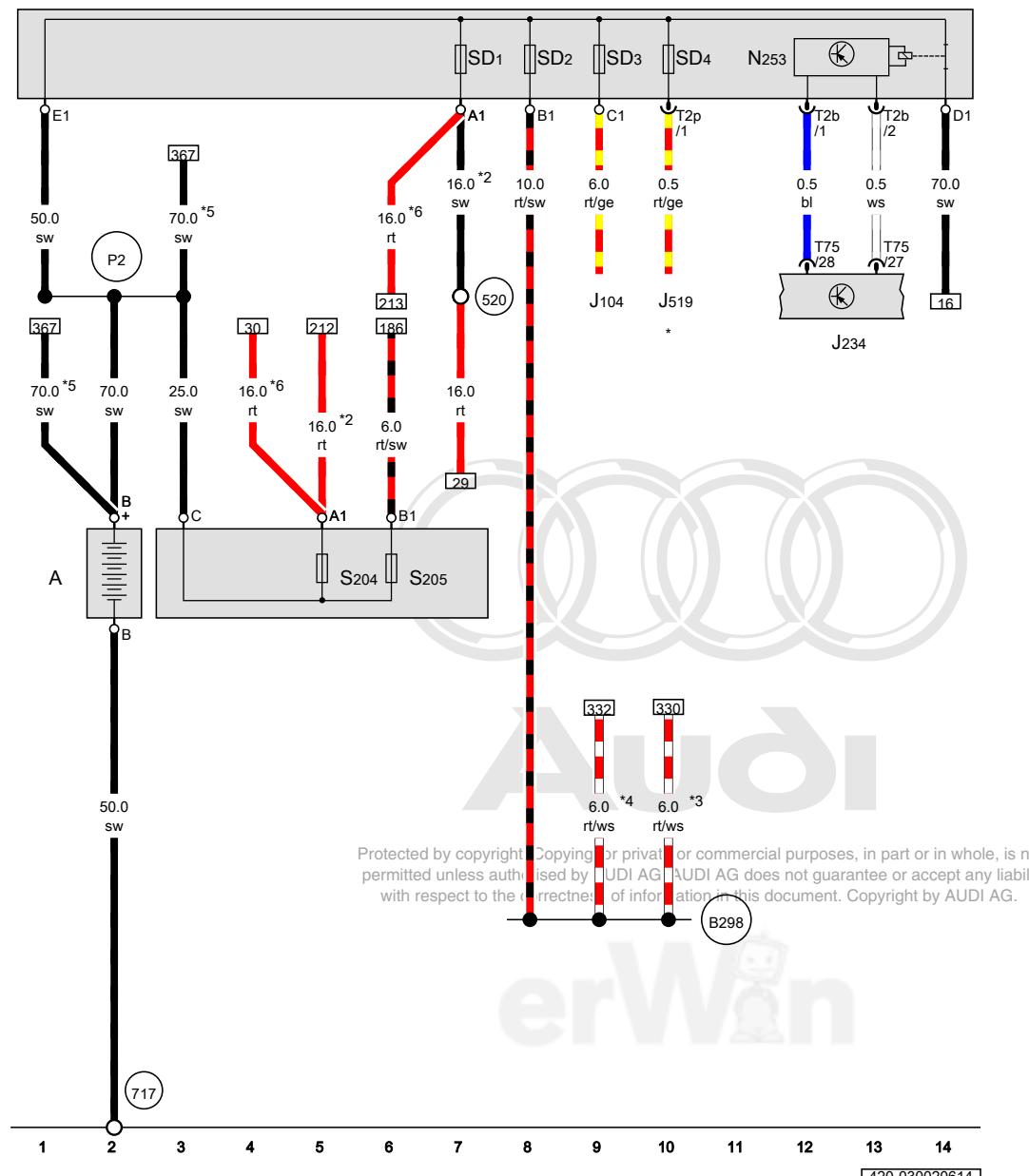
5.2L gasoline engine , BUJ,CMPA,CTPA,CTYA,CJJA,CTPB

from September 2008



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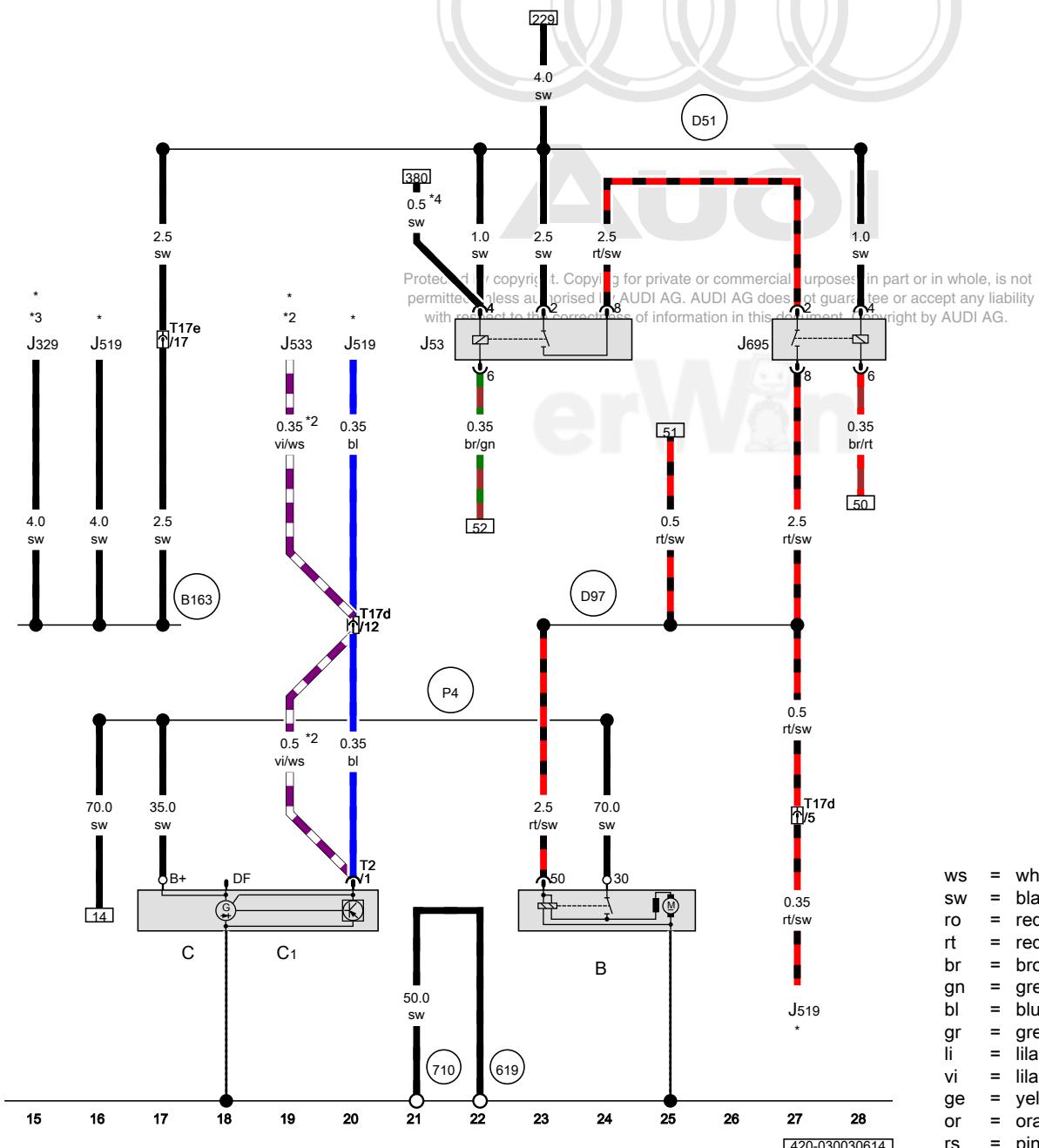




Battery interrupt igniter

- A Battery
 - J104 ABS control module
 - J234 Airbag control module
 - J519 Vehicle electrical control module system
 - N253 Battery interrupt igniter, in the right front footwell
 - 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)
 - S204 Fuse 1 (terminal 30), in the right front footwell
 - S205 Fuse 2 (terminal 30), in the right front footwell
 - T2b Double connector
 - T2p Double connector
 - T75 75-pin connector
 - (520) Threaded connection on the coupling station, Connector station under the rear shelf, right
 - (717) Ground connection on right front crossmember
 - (B298) Positive connection 2 (30) (in main wiring harness)
 - (P2) Positive connection (30) (in battery wiring harness)
- * Refer to applicable standard equipment wiring diagram
 *2 Through October 2011
 *3 from June 2009
 *4 Through May 2009
 *5 Only for Audi R8 GT
 *6 from November 2011

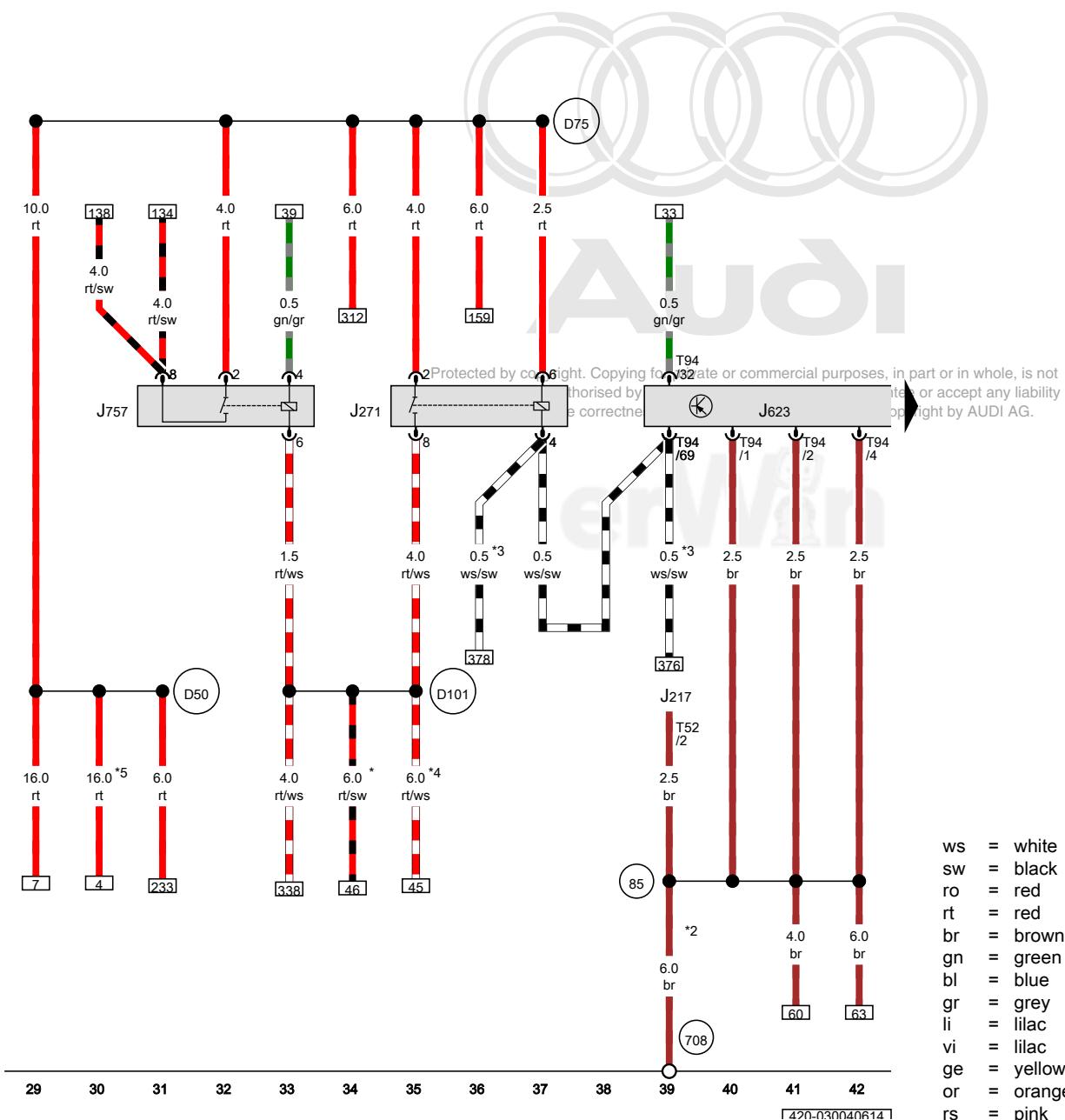
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| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |



Starter, Generator, Starter relay, Relay 2 for starter

- B Starter
 - C Generator
 - C1 Voltage regulator
 - J53 Starter relay, 9-pin relay and fuse panel C under the rear shelf, right
 - J329 Terminal 15 power supply relay
 - J519 Vehicle electrical control module system
 - J533 Data bus on board diagnostic interface
 - J695 Relay 2 for starter, 9-pin relay and fuse panel C under the rear shelf, right
 - T2 Double connector
 - T17d 17-pin connector, Connector station under the rear shelf, right
 - T17e 17-pin connector, Connector station under the rear shelf, right
 - 619 Ground connection on engine block, lower left
 - 710 Ground connection 2 on left rear chassis side member
 - B163 Positive connection 1 (15) (in interior wiring harness)
 - D51 Positive connection 1 (15) (in engine compartment wiring harness)
 - D97 Connection 50 (in right engine compartment wiring harness)
 - P4 Positive connection 2 (30) (in battery wiring harness)
 - * Refer to applicable standard equipment wiring diagram
 - *2 from June 2010
 - *3 from June 2009
 - *4 Only for Audi R8 GT

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| gr | = grey |
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| vi | = lilac |
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| rs | = pink |



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

- J217 Transmission control module
J271 Motronic engine control module power supply relay
J623 Engine control module
J757 Engine component power supply relay, 9-pin relay and fuse panel C under the rear shelf, right
T52 52-pin connector
T94 94-pin connector

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

(708) Ground connection 2 on right rear chassis side member

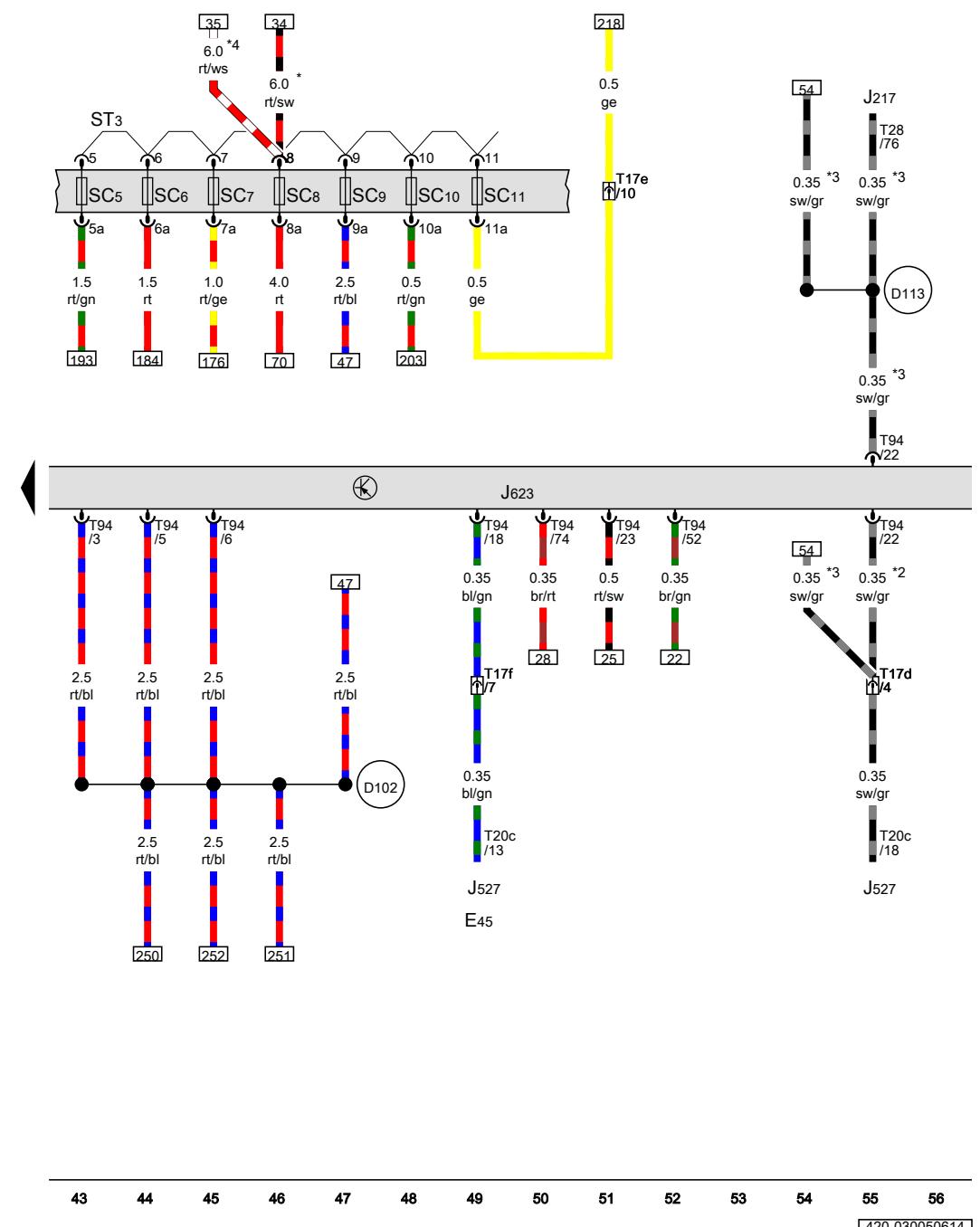
(D50) Positive connection (30) (in engine compartment wiring harness)

(D75) Positive connection 2 (30) (in engine compartment wiring harness)

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

* Through May 2012
*2 from July 2010
*3 Only for Audi R8 GT
*4 from June 2012
*5 from November 2011

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| sw | = black |
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| br | = brown |
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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |


Engine control module

- E45 Cruise control switch
- J217 Transmission control module
- J527 Steering column electronics control module
- J623 Engine control module
- ST3 Fuse panel 3
- SC5 Fuse 5 (on fuse panel C)
- 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)
- T17d 17-pin connector, Connector station under the rear shelf, right
- T17e 17-pin connector, Connector station under the rear shelf, right
- T17f 17-pin connector, Connector station under the rear shelf, right
- T20c 20-pin connector
- T28 28-pin connector
- T94 94-pin connector

(D102) Connection 2 (in engine compartment wiring harness)

(D113) Connection 11 (in engine compartment wiring harness)

* Through May 2012

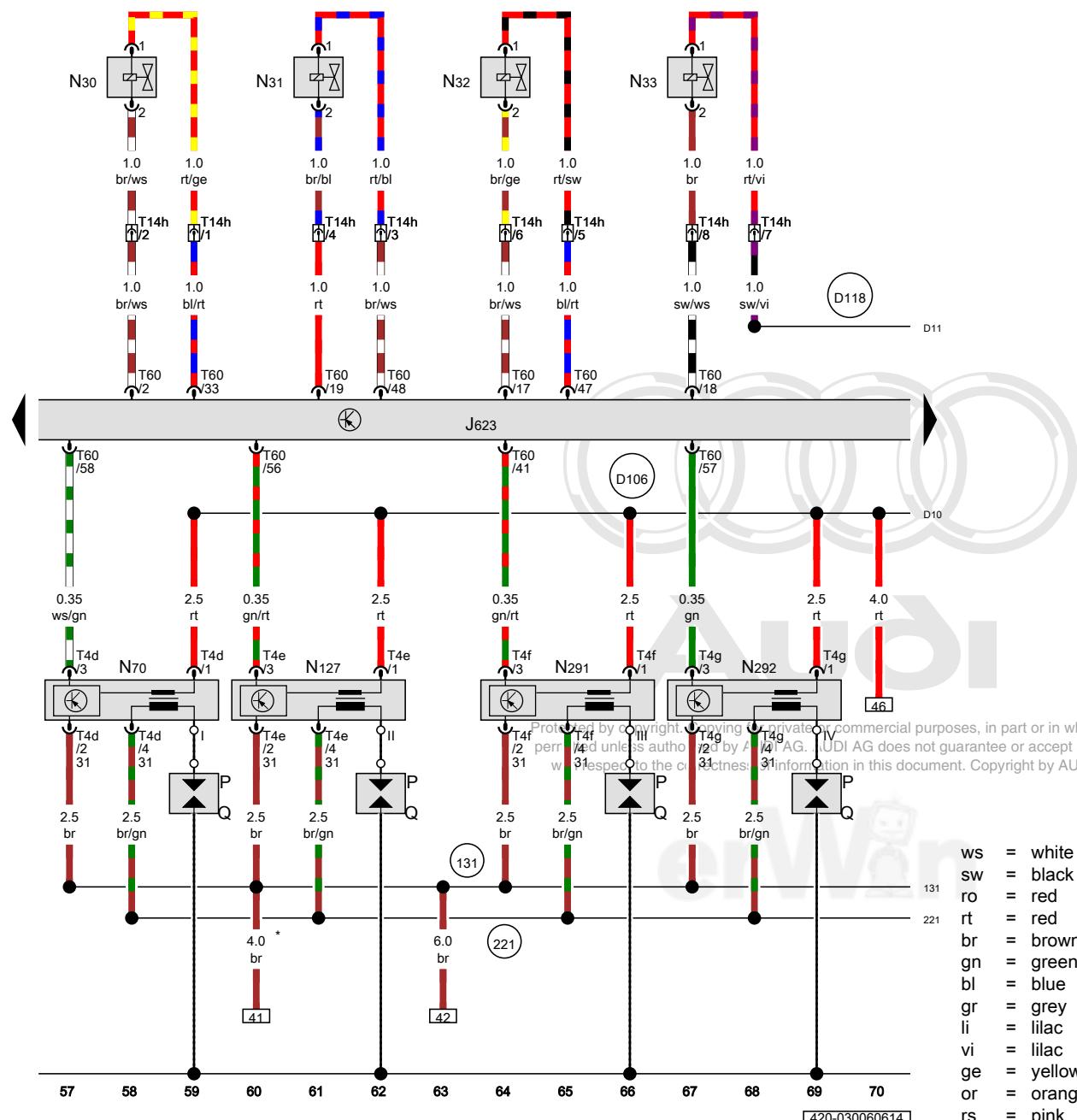
*2 Only for vehicles with a manual transmission

*3 Only for vehicles with automated manual transmission (R tronic)
086 from June 2012

*4 from June 2012

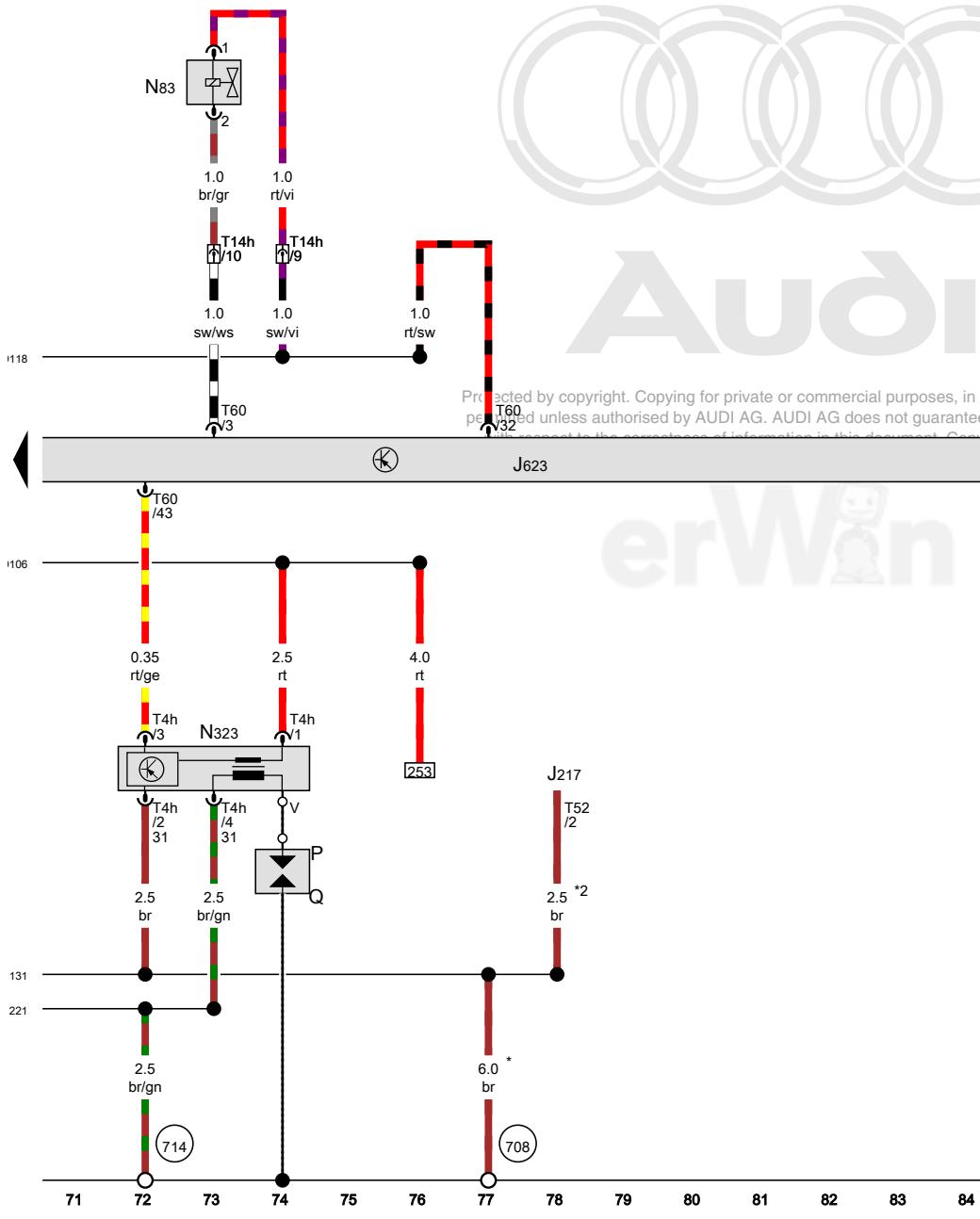
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Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

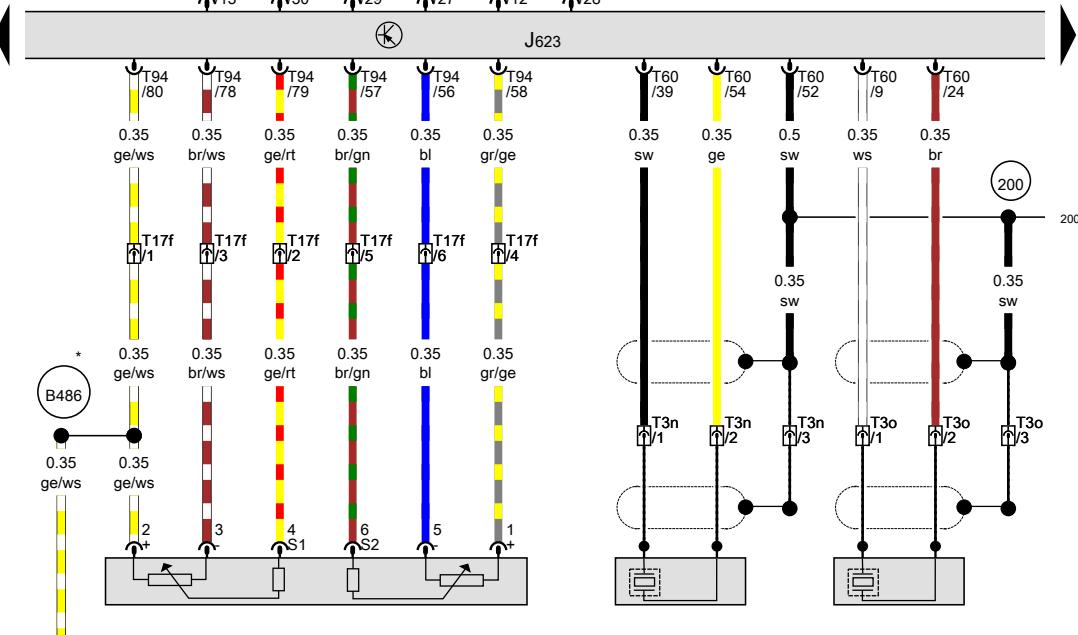
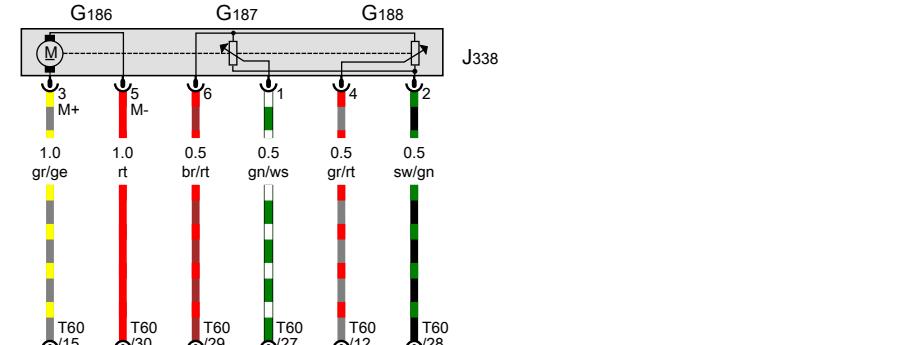
| | |
|------|--|
| J623 | Engine control module |
| N30 | Cylinder 1 fuel injector |
| N31 | Cylinder 2 fuel injector |
| N32 | Cylinder 3 fuel injector |
| N33 | Cylinder 4 fuel injector |
| N70 | Ignition coil 1 with power output stage |
| N127 | Ignition coil 2 with power output stage |
| N291 | Ignition coil 3 with power output stage |
| N292 | Ignition coil 4 with power output stage |
| P | Spark plug connectors |
| Q | Spark plugs |
| T4d | 4-pin connector |
| T4e | 4-pin connector |
| T4f | 4-pin connector |
| T4g | 4-pin connector |
| T14h | 14-pin connector, in the engine compartment |
| T60 | 60-pin connector |
| 131 | Ground connection 2 (in engine compartment wiring harness) |
| 221 | Engine ground connection (in engine wiring harness) |
| D106 | Connection 4 (in engine compartment wiring harness) |
| D118 | Connection 16 (in engine compartment wiring harness) |
| * | from July 2010 |
| 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 |


Engine control module

- J217 Transmission control module
- J623 Engine control module
- N83 Cylinder 5 fuel injector
- N323 Ignition coil 5 with power output stage
- P Spark plug connectors
- Q Spark plugs
- T4h 4-pin connector
- T14h 14-pin connector, in the engine compartment
- T52 52-pin connector
- T60 60-pin connector
- 131 Ground connection 2 (in engine compartment wiring harness)
- 221 Engine ground connection (in engine wiring harness)
- 708 Ground connection 2 on right rear chassis side member
- 714 Ground connection on engine, right
- D106 Connection 4 (in engine compartment wiring harness)
- D118 Connection 16 (in engine compartment wiring harness)

* Depending on equipment

*2 Only for vehicles with an automated manual transmission

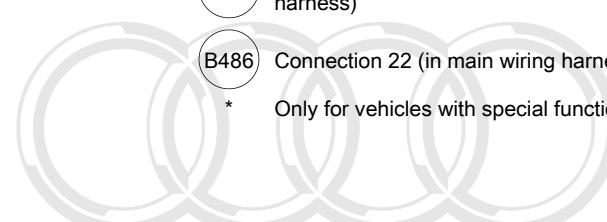
Accelerator pedal position sensor, Throttle valve control module, Engine control module


- G61 Knock sensor 1
- G66 Knock sensor 2
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- J338 Throttle valve control module
- J623 Engine control module
- T3n 3-pin connector
- T3o 3-pin connector
- T12q 12-pin connector
- T17f 17-pin connector, Connector station under the rear shelf, right
- T60 60-pin connector
- T94 94-pin connector

(200) Ground connection shielding (in engine compartment wiring harness)

(B486) Connection 22 (in main wiring harness)

* Only for vehicles with special functions interface

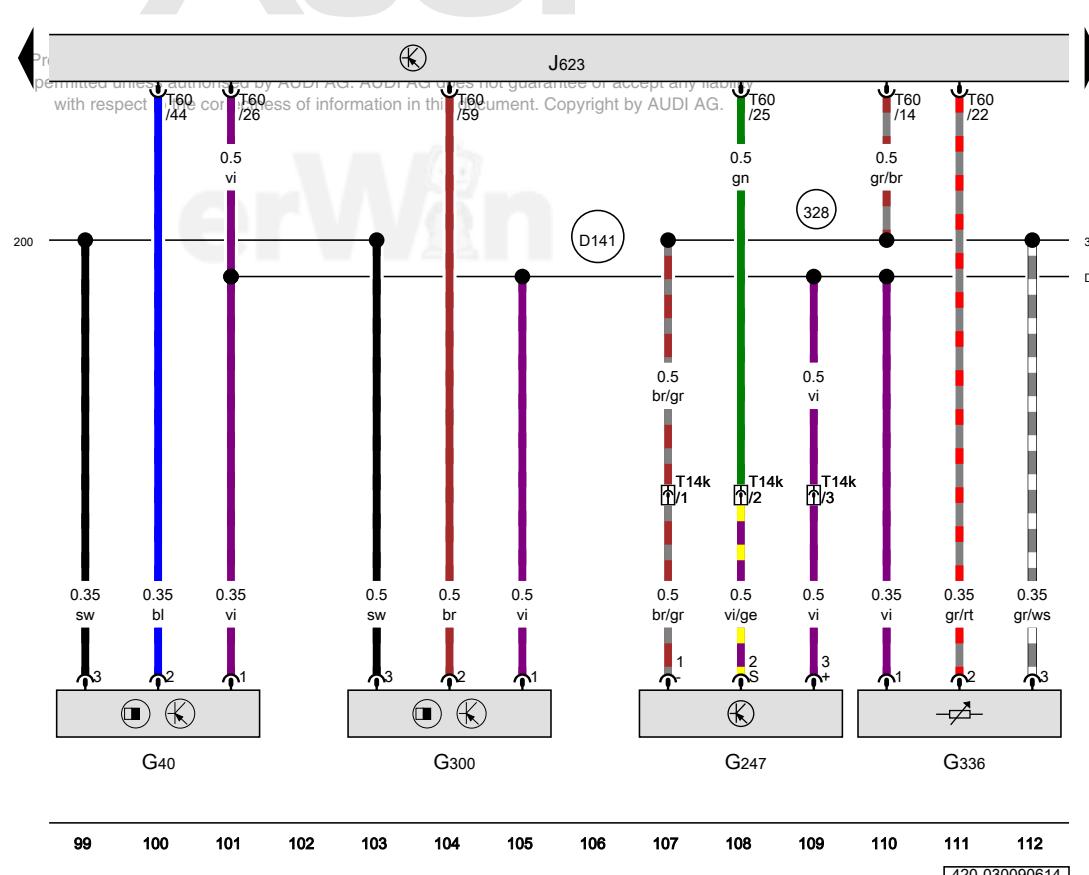


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- rs = pink

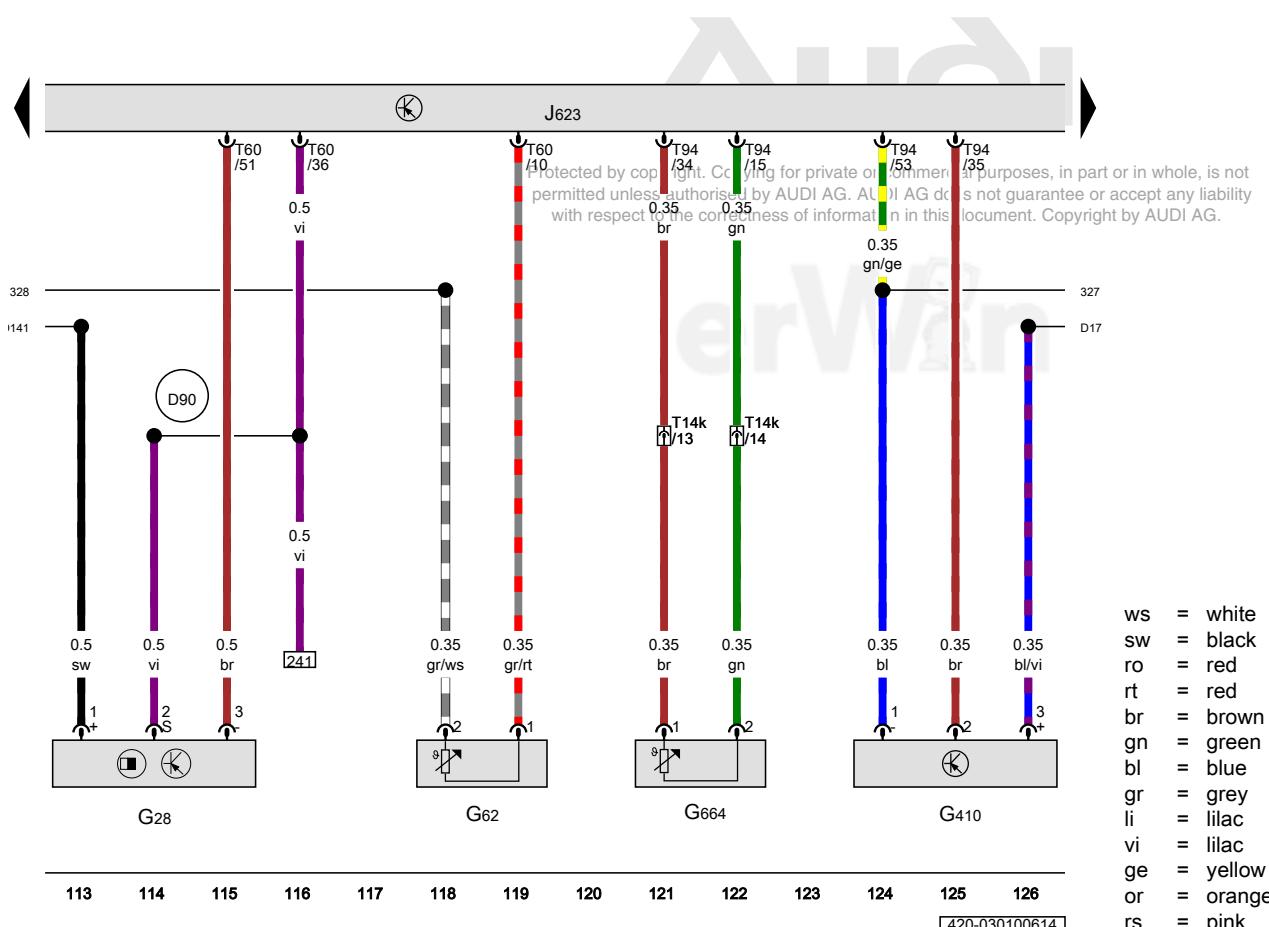
Camshaft position sensor, Fuel pressure sensor, Intake manifold runner position sensor, Engine control module

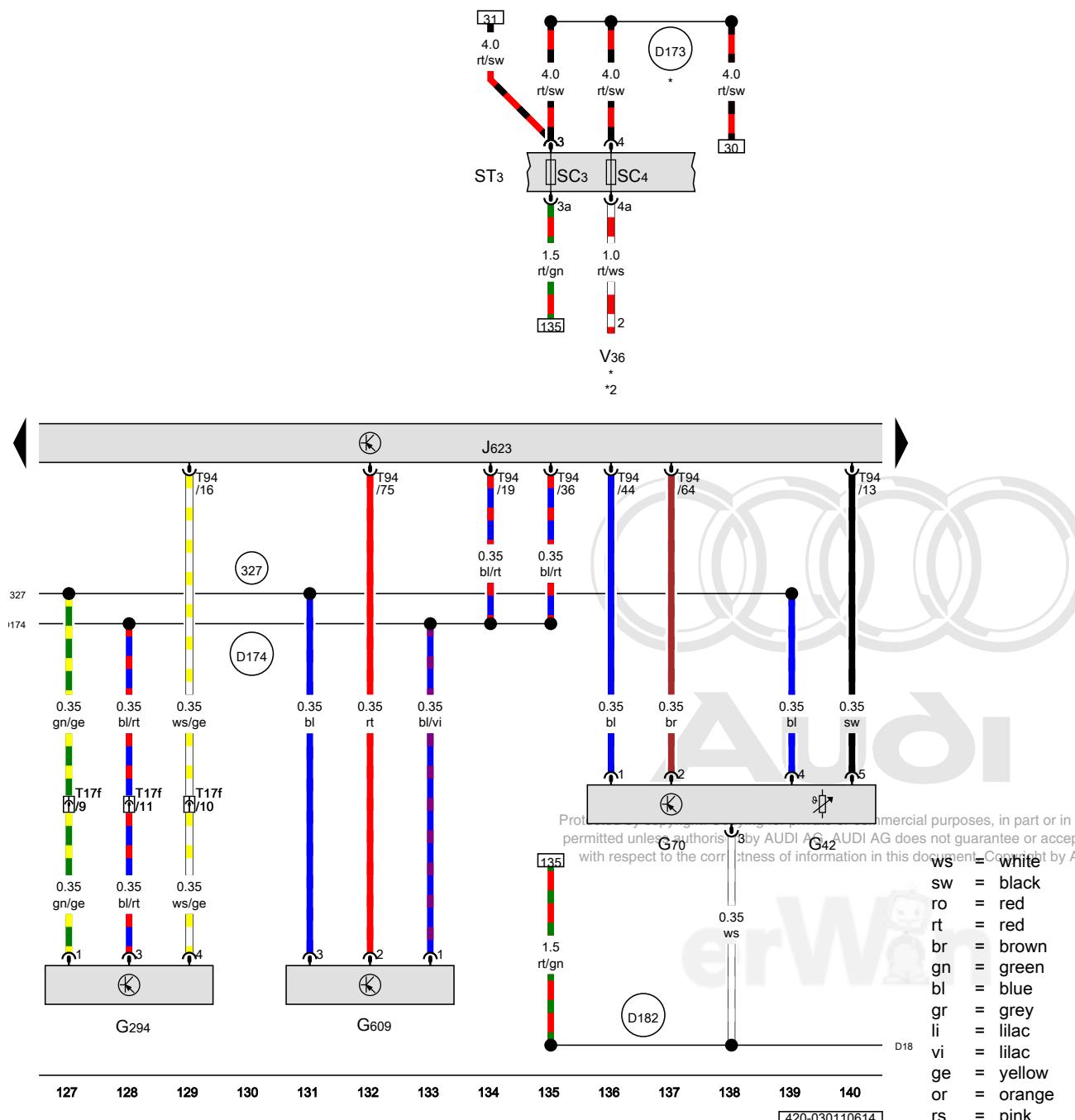
- G40 Camshaft position sensor
- G247 Fuel pressure sensor
- G300 Camshaft position sensor 3
- G336 Intake manifold runner position sensor
- J623 Engine control module
- T14k 14-pin connector, in the engine compartment, left
- T60 60-pin connector
- (200) Ground connection shielding (in engine compartment wiring harness)
- (328) Sensor ground connection 2 (in engine compartment wiring harness)
- (D141) Connection 5V (in engine pre-wiring harness)



**Engine speed sensor, Engine coolant temperature sensor,
Low fuel pressure sensor, Engine control module**

- G28 Engine speed sensor
- G62 Engine coolant temperature sensor
- G410 Low fuel pressure sensor
- G664 Oil temperature sensor 2
- J623 Engine control module
- T14k 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)
- 328 Sensor ground connection 2 (in engine compartment wiring harness)
- D90 RPM signal connection (in engine compartment wiring harness)
- D141 Connection 5V (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)

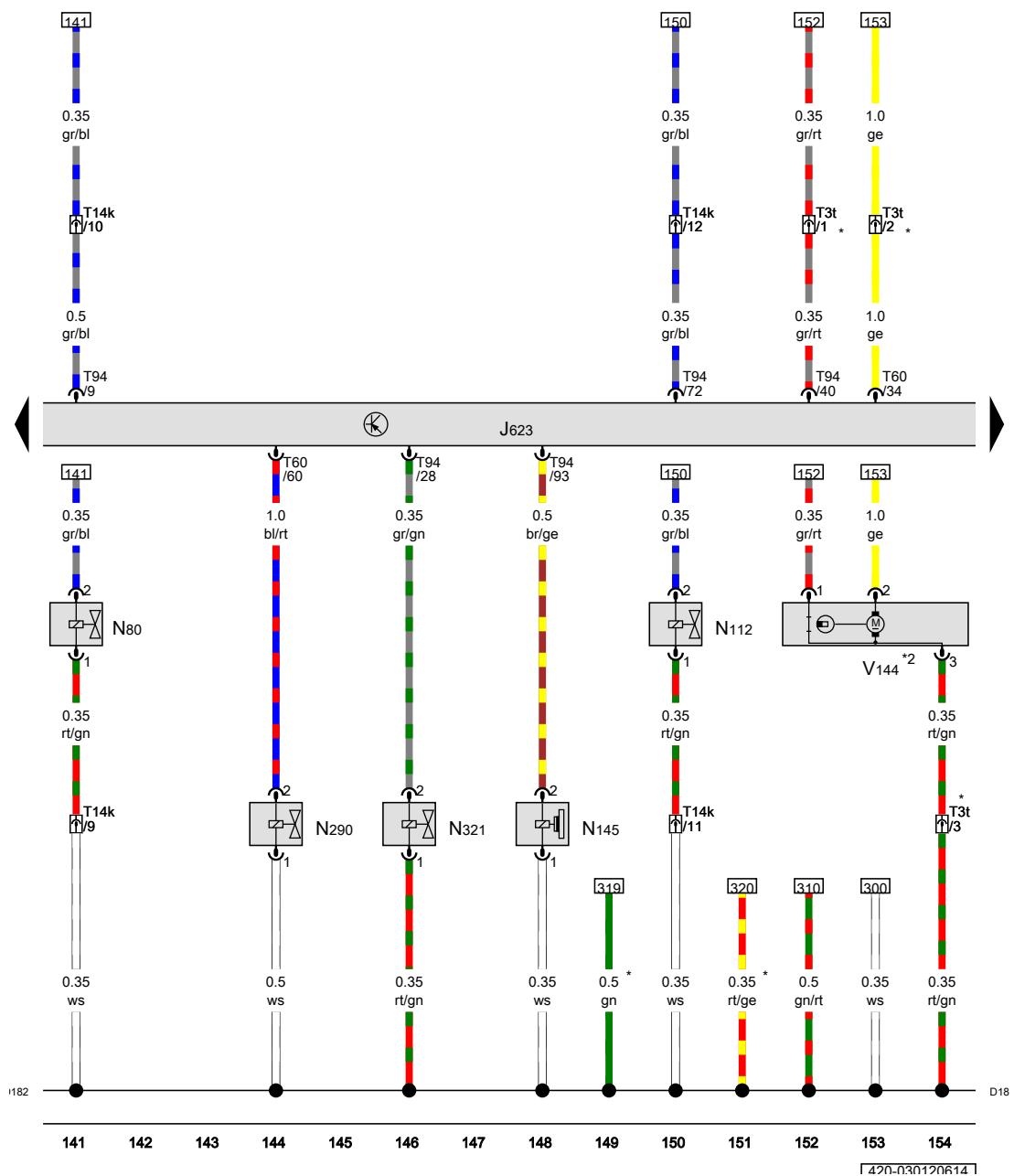




Intake air temperature sensor, Mass airflow sensor, Brake booster pressure sensor, Engine control module

- G42 Intake air temperature sensor
- G70 Mass airflow sensor
- G294 Brake booster pressure sensor
- G609 Secondary air injection sensor 1
- J623 Engine control module
- SC3 Fuse 3 (on fuse panel C)
- ST3 Fuse panel 3
- SC4 Fuse 4 (on fuse panel C)
- T17f 17-pin connector, Connector station under the rear shelf, right
- T94 94-pin connector
- V36 Water pump
- 327 Sensor ground connection (in engine compartment wiring harness)
- D173 Connection 87 (in engine pre-wiring harness)
- D174 Connection 2 (5V) (in engine pre-wiring harness)
- D182 Connection 3 (87a) (in engine compartment wiring harness)
- * Depending on equipment
- *2 Refer to applicable transmission wiring diagram

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**Engine control module, EVAP canister purge regulator valve
1, Secondary air injection solenoid valve, Right
electrohydraulic engine mount solenoid valve, Fuel
metering valve, Exhaust door valve 1**

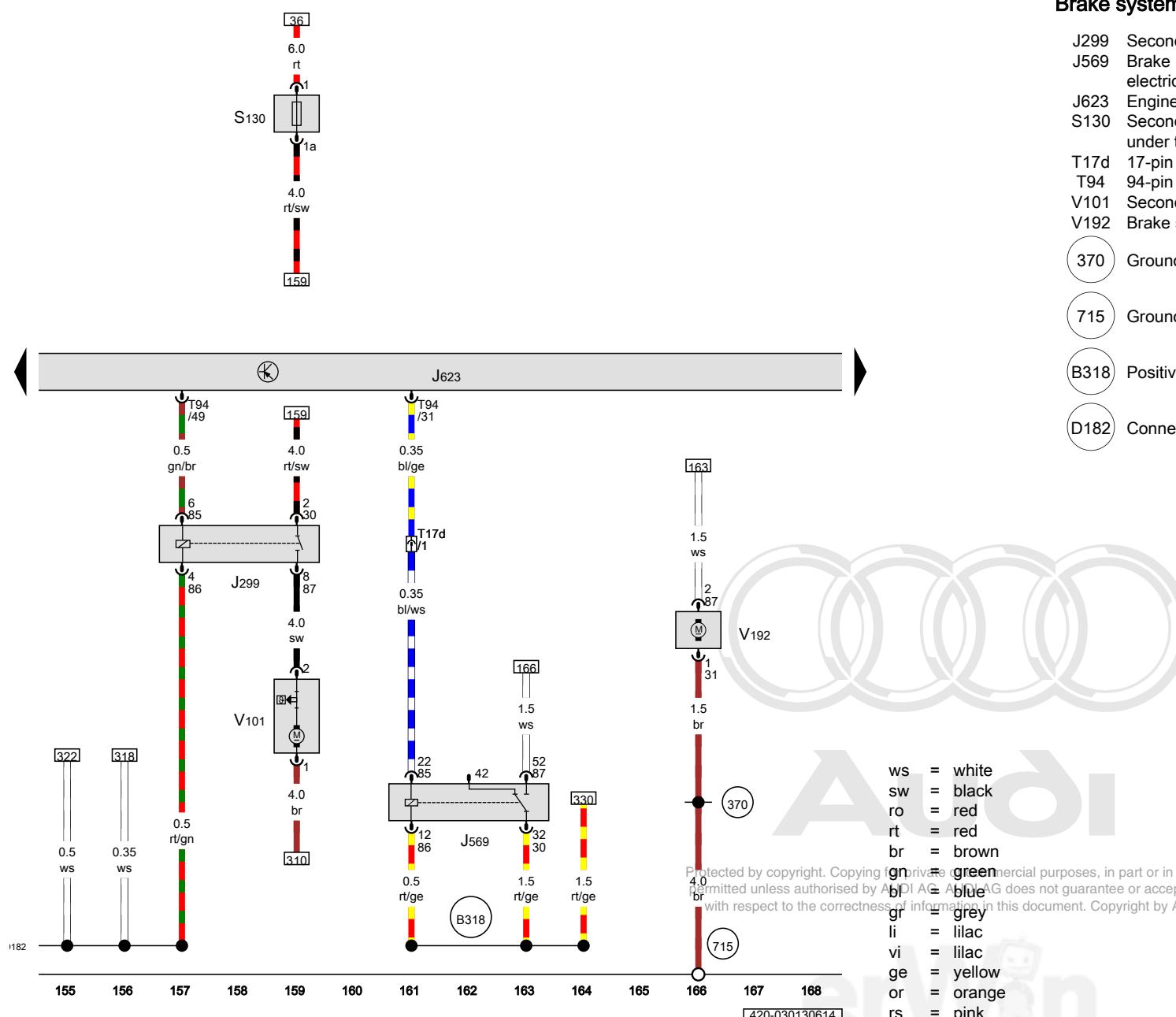
- J623 Engine control module
 - N80 EVAP canister purge regulator valve 1
 - N112 Secondary air injection solenoid valve
 - N145 Right electrohydraulic engine mount solenoid valve
 - N290 Fuel metering valve
 - N321 Exhaust door valve 1
 - T3t 3-pin connector
 - T14k 14-pin connector, in the engine compartment, left
 - T60 60-pin connector
 - T94 94-pin connector
 - V144 Leak detection pump
 - D182 Connection 3 (87a) (in engine compartment wiring harness)

* Depending on equipment

*² Only for vehicles with a fuel system diagnostic pump

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Secondary air injection pump relay, Brake booster relay, Engine control module, Secondary air injection pump motor, Brake system vacuum pump

J299 Secondary air injection pump relay
J569 Brake booster relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
J623 Engine control module
S130 Secondary air injection pump fuse, 9-pin relay and fuse panel C under the rear shelf, right

T17d 17-pin connector, Connector station under the rear shelf, right
T94 94-pin connector
V101 Secondary air injection pump motor
V192 Brake system vacuum pump

370 Ground connection 5 (in main wiring harness)

715 Ground connection on left crossmember

B318 Positive connection 4 (30a) (in main wiring harness)

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

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br = brown

gn = green

bl = blue

gr = grey

li = lilac

vi = lilac

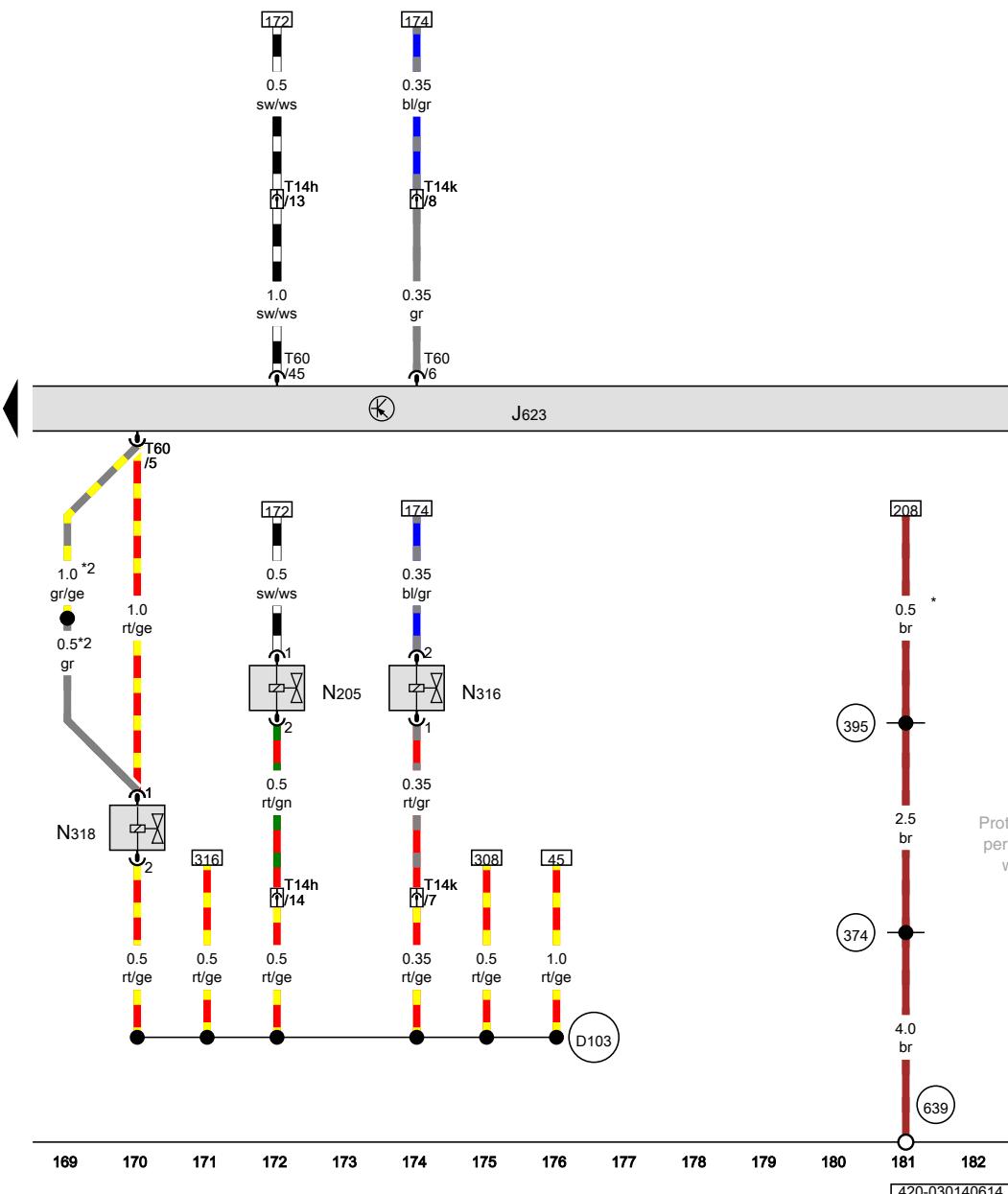
ge = yellow

or = orange

rs = pink

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420-0301306141



Engine control module

J623 Engine control module
 N205 Camshaft adjustment valve 1
 N316 Intake manifold runner control valve
 N318 Exhaust camshaft adjustment valve 1
 T14h 14-pin connector, in the engine compartment, right
 T14k 14-pin connector, in the engine compartment, left
 T60 60-pin connector

(374) Ground connection 9 (in main wiring harness)

(395) Ground connection 30 (in main wiring harness)

(639) Ground connection on left A-pillar

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

* Only for vehicles with a manual transmission
from December 2010

*²



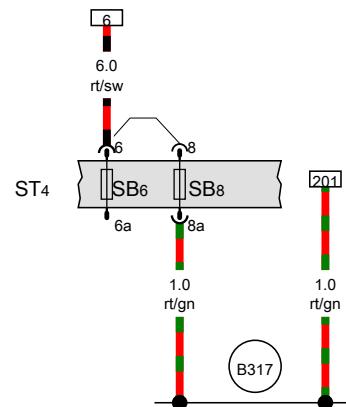
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420-0301406141

Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module

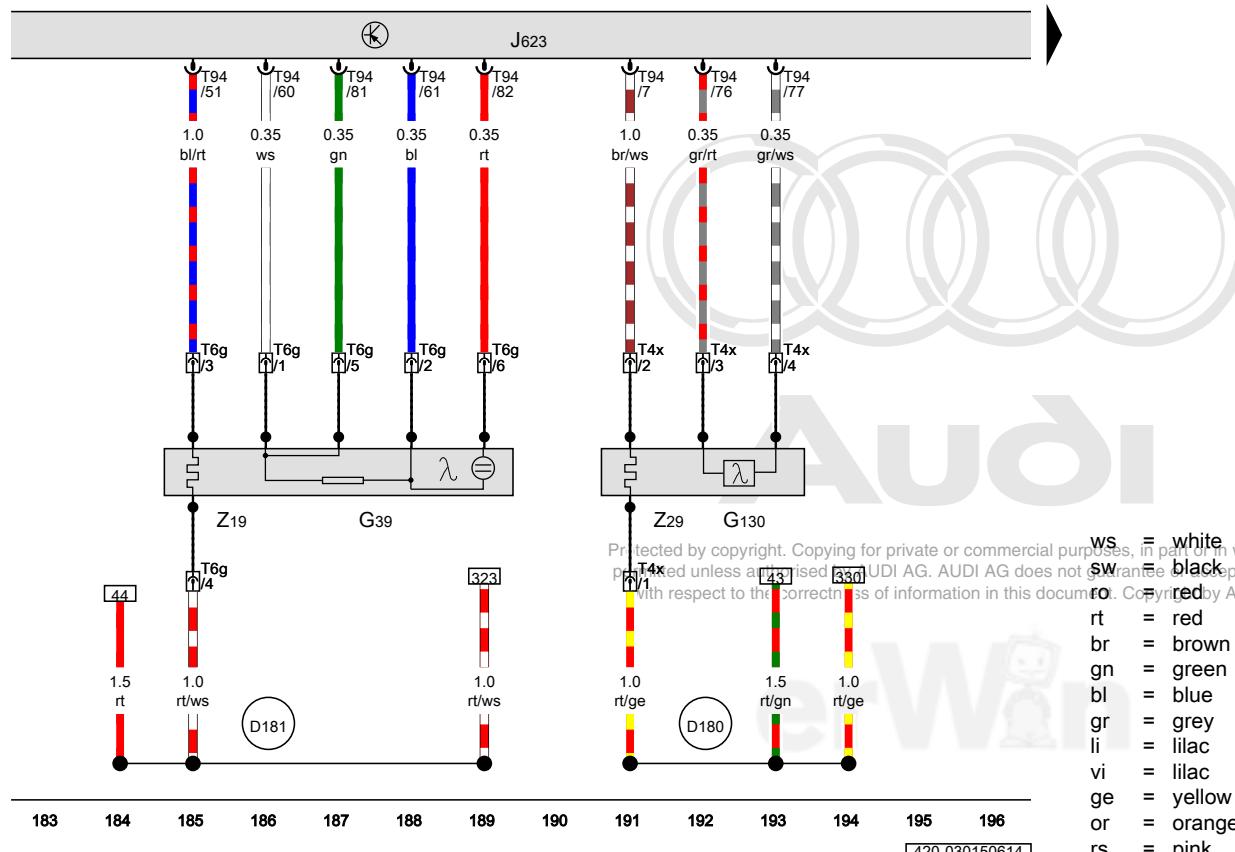


G39 Heated oxygen sensor
 G130 Oxygen sensor after three way catalytic converter
 J623 Engine control module
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 T4x 4-pin connector, brown
 T6g 6-pin connector, black
 T94 94-pin connector
 Z19 Oxygen sensor heater
 Z29 Heater for oxygen sensor 1 after catalytic converter

(B317) Positive connection 3 (30a) (in main wiring harness)

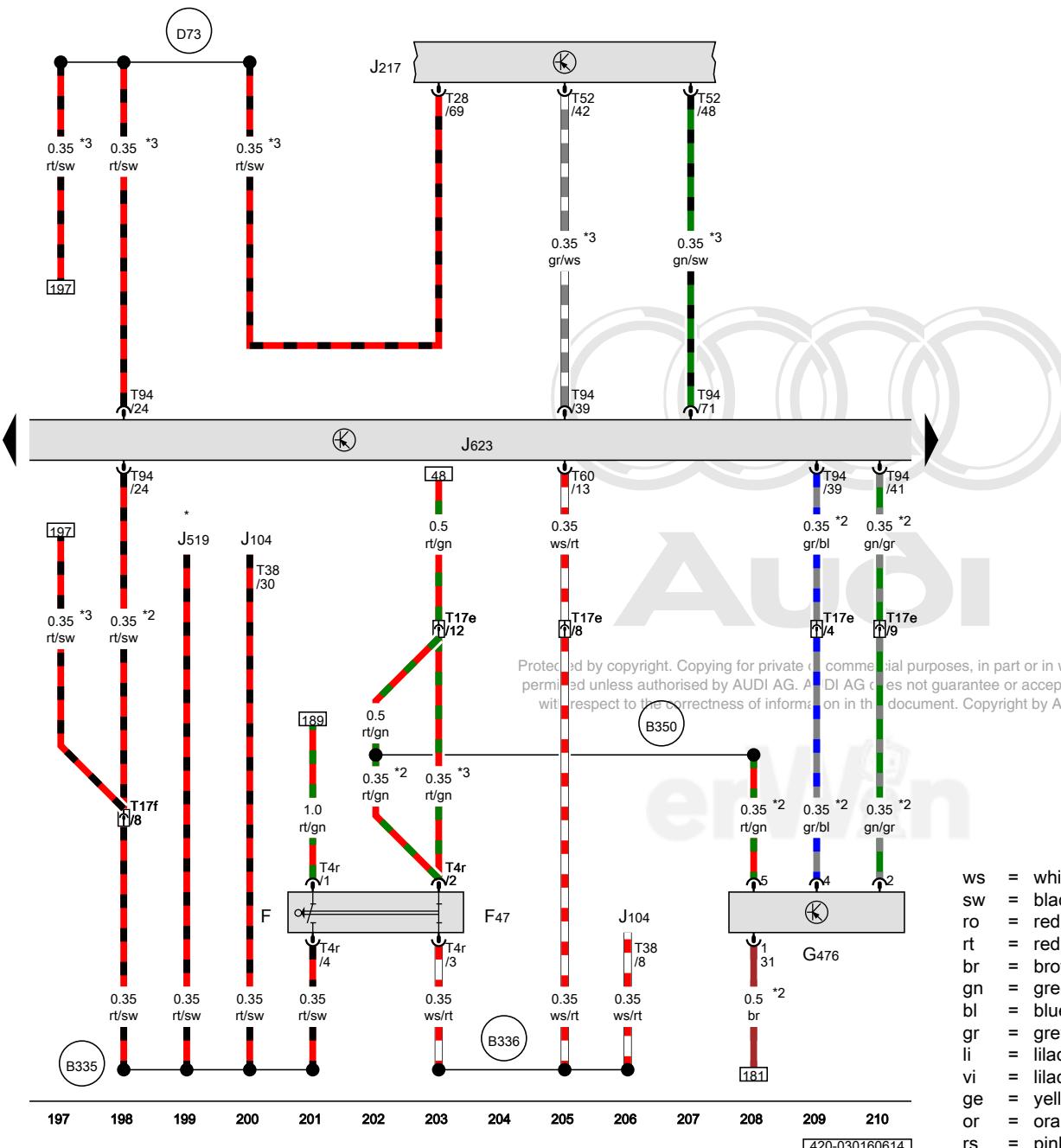
(D180) Connection 87a (in engine compartment wiring harness)

(D181) Connection 2 (87a) (in engine compartment wiring harness)



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Brake pedal switch, Clutch position sensor, Engine control module

- F Brake lamp switch
- F47 Brake pedal switch
- G476 Clutch position sensor
- J104 ABS control module
- J217 Transmission control module
- J519 Vehicle electrical control module system
- J623 Engine control module
- T4r 4-pin connector
- T17e 17-pin connector, Connector station under the rear shelf, right
- T17f 17-pin connector, Connector station under the rear shelf, right
- T28 28-pin connector
- T38 38-pin connector
- T52 52-pin connector
- T60 60-pin connector
- T94 94-pin connector

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

(B336) Connection 54 (in main wiring harness) 2

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

(D73) Positive connection (54) (in engine compartment wiring harness)

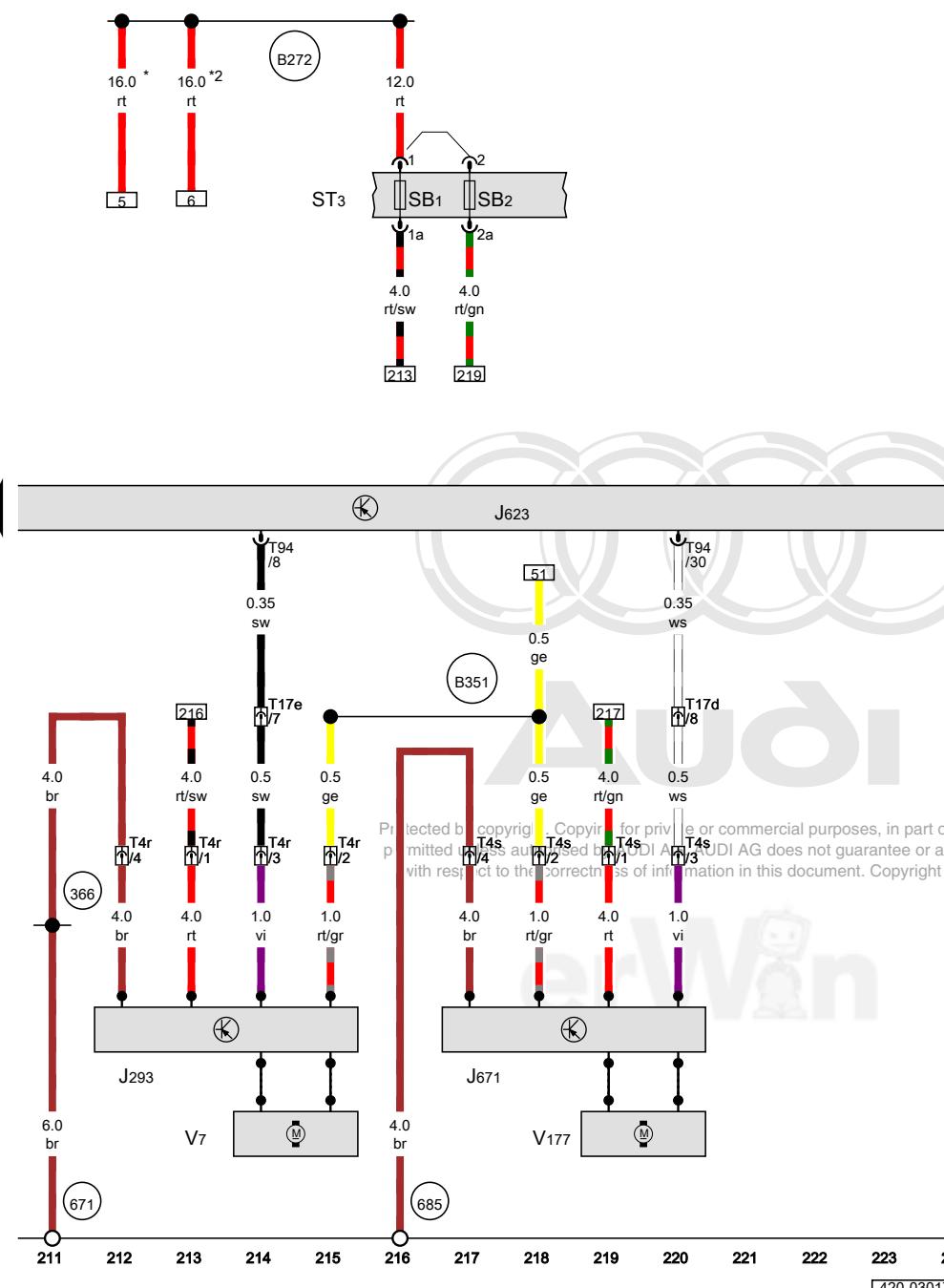
* Refer to applicable standard equipment wiring diagram

*2 Only for vehicles with a manual transmission

*3 Only for vehicles with automated manual transmission (R tronic) 086

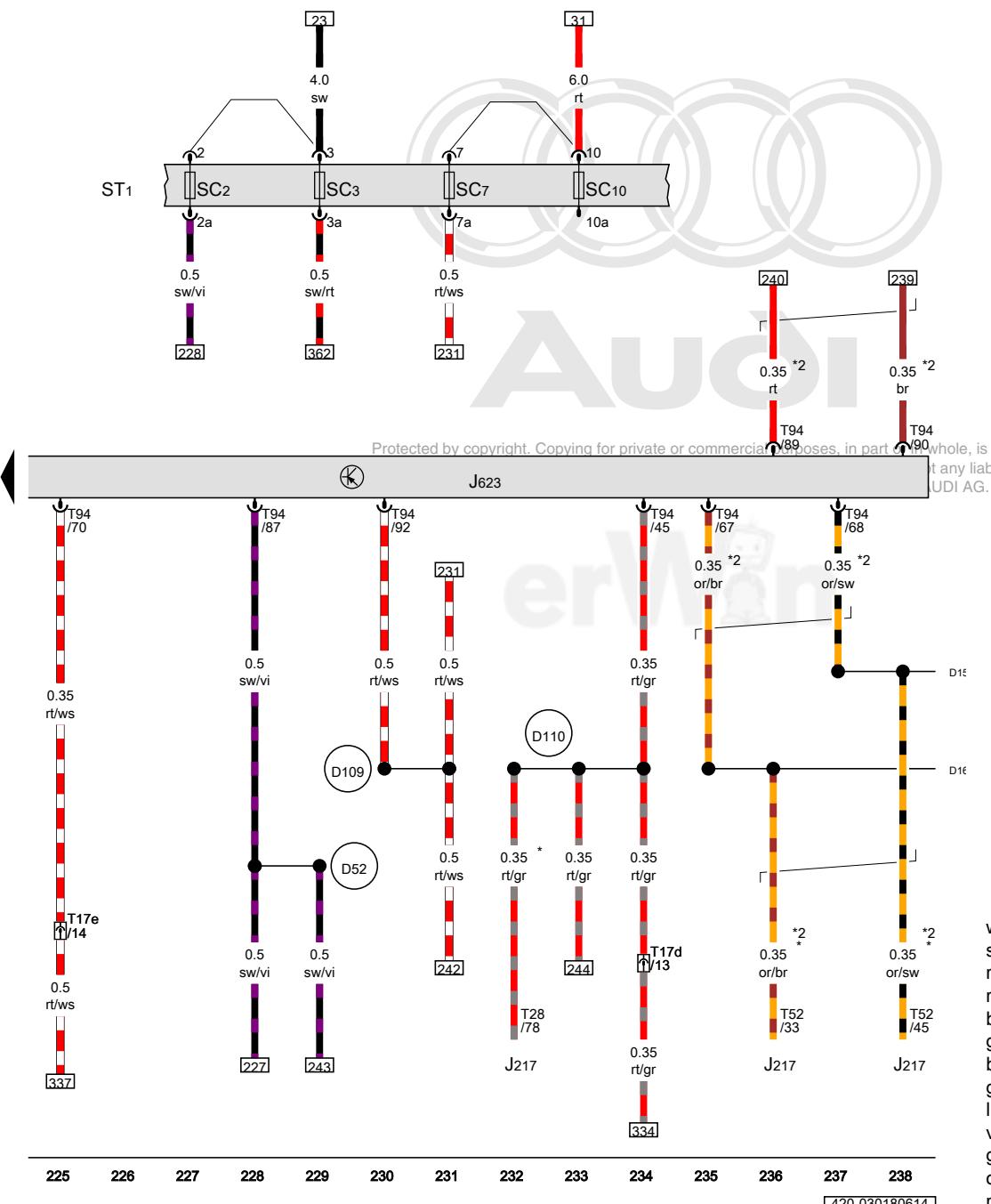
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Coolant fan control module, Engine control module, Coolant fan

- | | |
|------|---|
| J293 | Coolant fan control module |
| J623 | Engine control module |
| J671 | Coolant fan control module 2 |
| SB1 | Fuse 1 (on fuse panel B) |
| SB2 | Fuse 2 (on fuse panel B) |
| ST3 | Fuse panel 3 |
| T4r | 4-pin connector, on the coolant fan |
| T4s | 4-pin connector, on the coolant fan |
| T17d | 17-pin connector, Connector station under the rear shelf, right |
| T17e | 17-pin connector, Connector station under the rear shelf, right |
| T94 | 94-pin connector |
| V7 | Coolant fan |
| V177 | Coolant fan 2 |
| 366 | Ground connection 1 (in main wiring harness) |
| 671 | Ground connection 1 on left front longitudinal member |
| 685 | Ground connection 1 on right front longitudinal member |
| B272 | Positive connection (30) (in main wiring harness) |
| B351 | Positive connection 2 (87a) (in main wiring harness) |
- * Through October 2011
*² from November 2011

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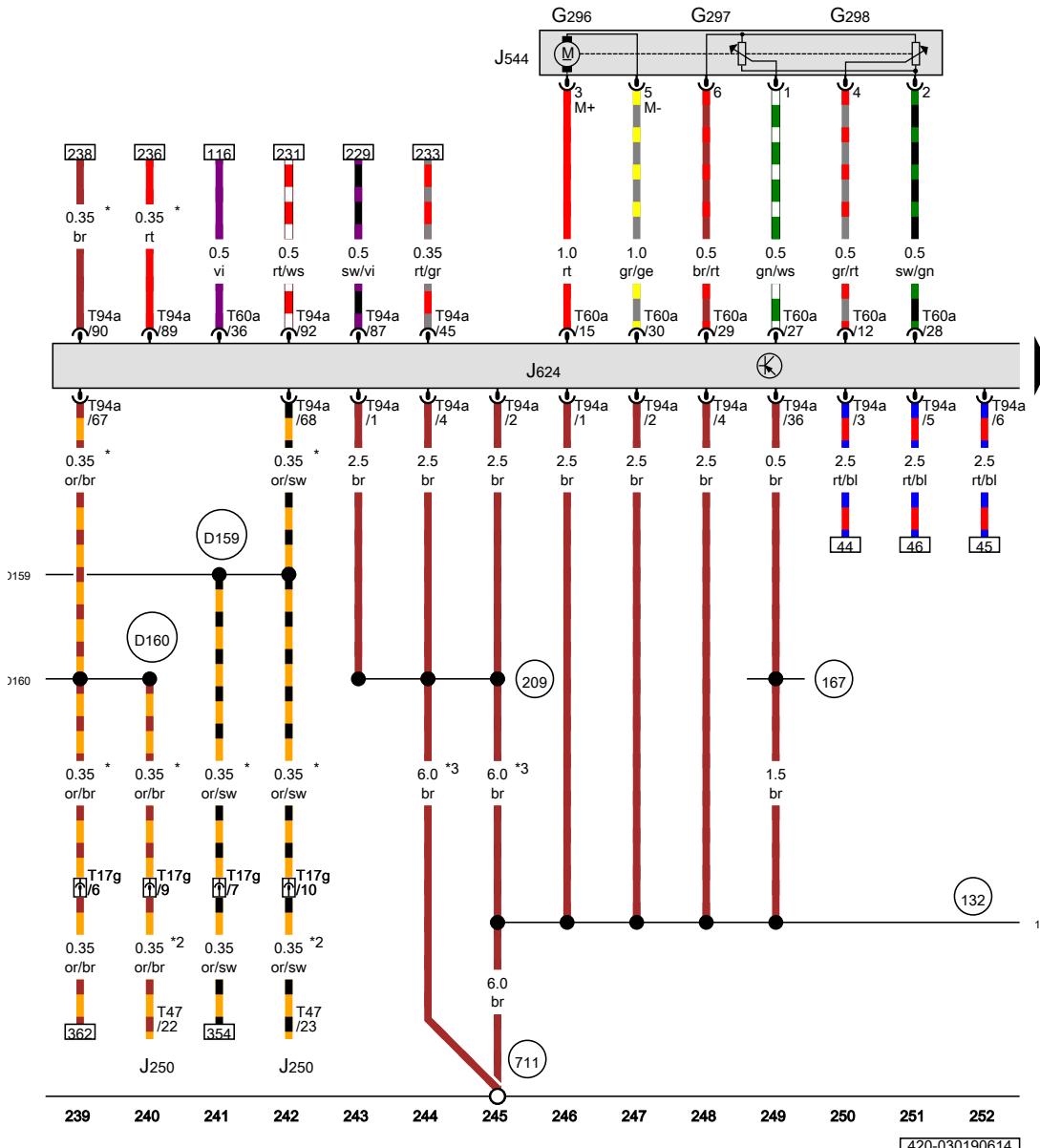
Engine control module

- J217 Transmission control module
 - J623 Engine control module
 - ST1 Fuse panel 1
 - SC2 Fuse 2 (on fuse panel C)
 - SC3 Fuse 3 (on fuse panel C)
 - SC7 Fuse 7 (on fuse panel C)
 - SC10 Fuse 10 (on fuse panel C)
 - T17d 17-pin connector, Connector station under the rear shelf, right
 - T17e 17-pin connector, Connector station under the rear shelf, right
 - T28 28-pin connector
 - T52 52-pin connector
 - T94 94-pin connector
 - D52 Positive connection (15a) (in engine compartment wiring harness)
 - D109 Connection 7 (in engine compartment wiring harness)
 - D110 Connection 8 (in engine compartment 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 automated manual transmission (R tronic)
086

*2 Data bus wire (CAN bus)

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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
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Throttle valve control module 2, Engine control module 2

G296 Throttle drive 2
 G297 Throttle drive 2 angle sensor 1
 G298 Throttle drive 2 angle sensor 2
 J250 Electronic damping control module
 J544 Throttle valve control module 2
 J624 Engine control module 2
 T17g 17-pin connector, Connector station under the rear shelf, right
 T47 47-pin connector
 T60a 60-pin connector
 T94a 94-pin connector

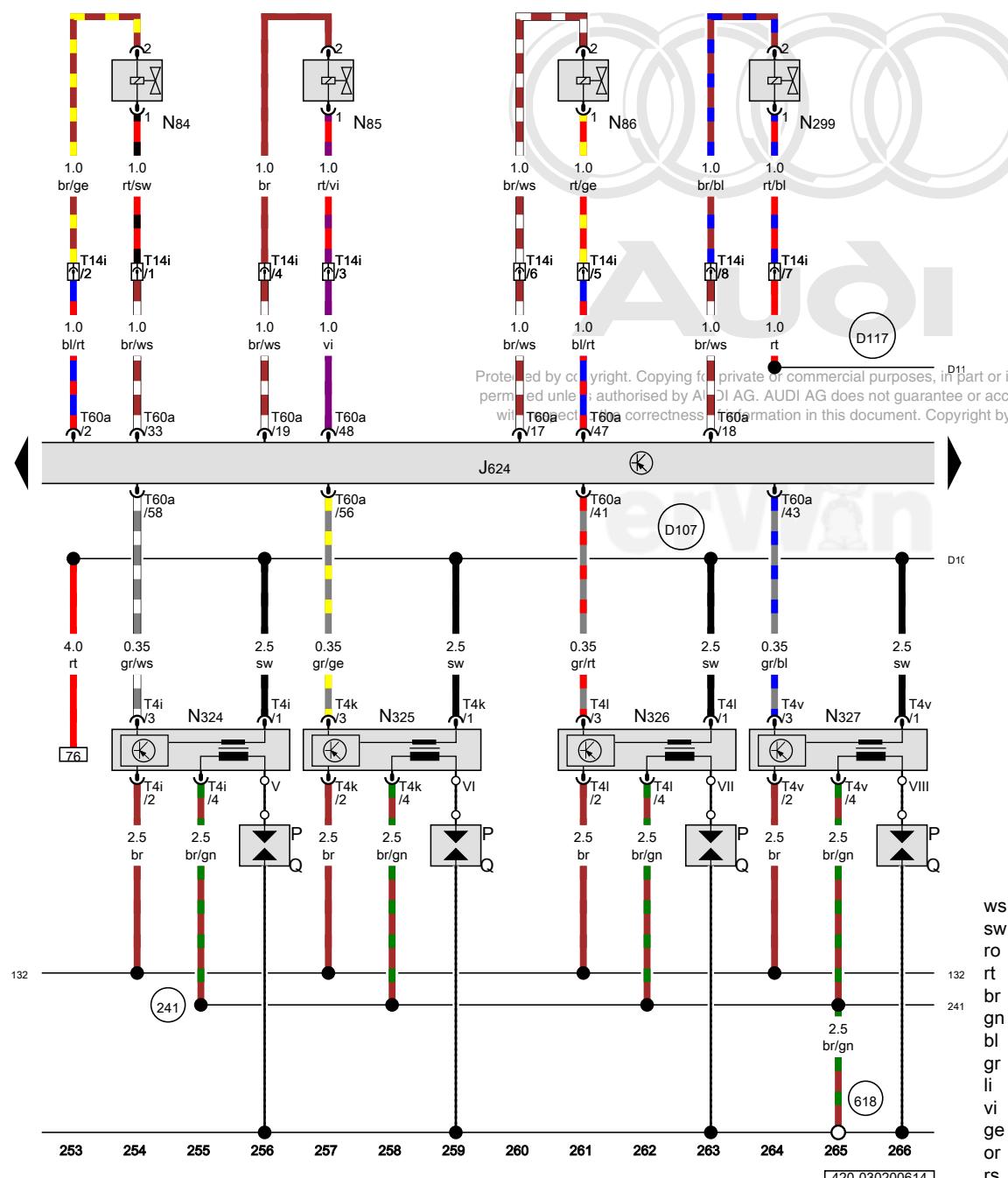
- (132) Ground connection 3 (in engine compartment wiring harness)
- (167) Ground connection 4 (in engine compartment wiring harness)
- (209) Ground connection 6 (in engine compartment wiring harness)
- (711) Ground connection 3 on left rear chassis side member
- (D159) High bus connection (in engine compartment wiring harness)
- (D160) Low bus positive connection (in engine compartment wiring harness)

* Data bus wire (CAN bus)
 *2 Only for vehicles with electronic damping
 *3 Depending on equipment



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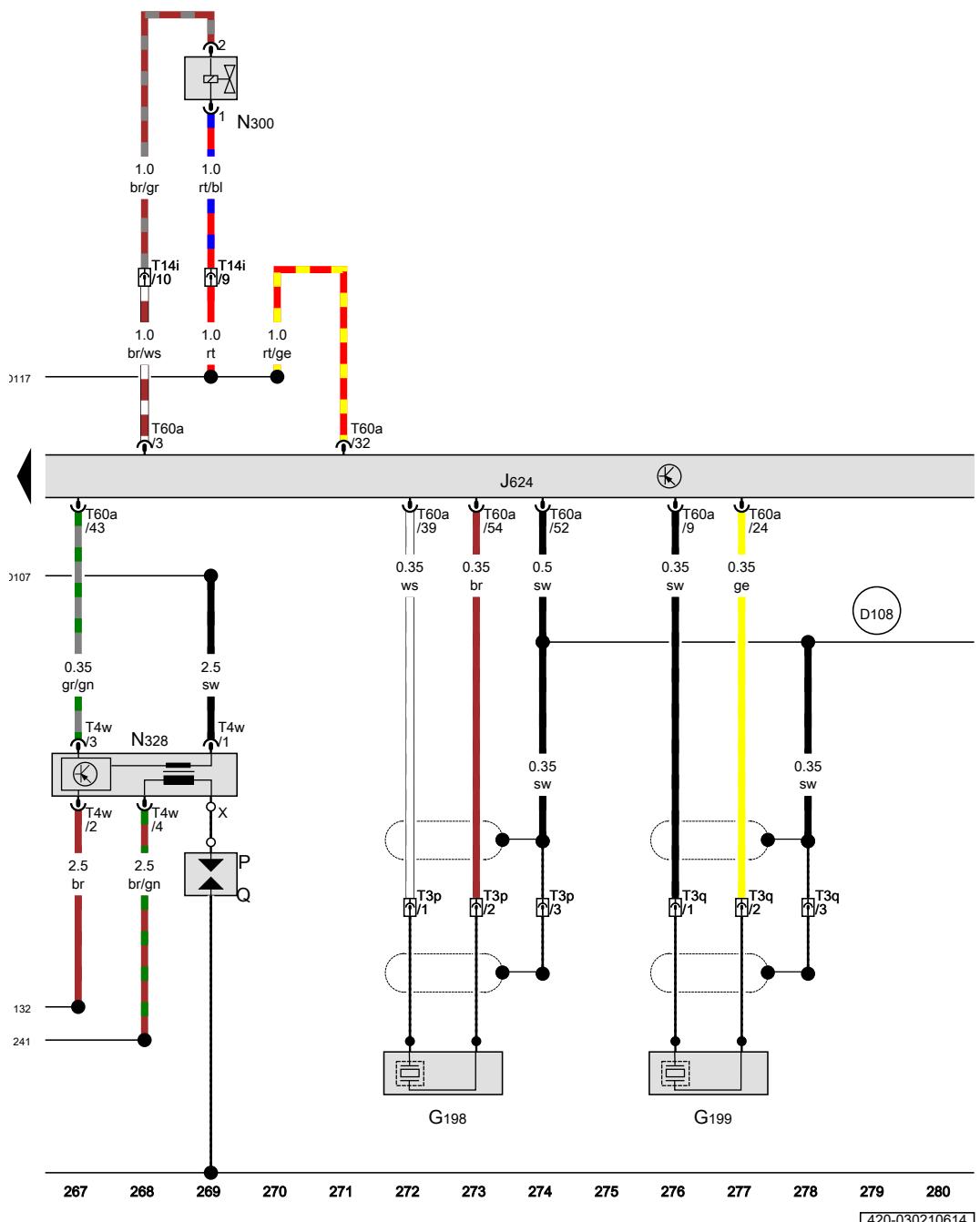
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Engine control module 2, Cylinder 6 fuel injector, Cylinder 7 fuel injector, Cylinder 8 fuel injector, Cylinder 9 fuel injector, Ignition coil 6 with power output stage, Ignition coil 7 with power output stage, Ignition coil 8 with power output stage, Ignition coil 9 with power output stage

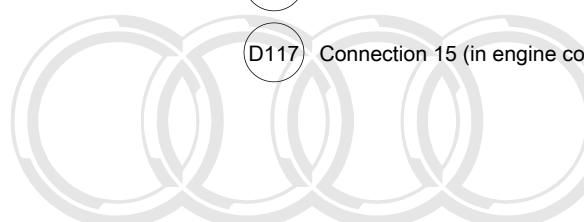
- J624 Engine control module 2
 - N84 Cylinder 6 fuel injector
 - N85 Cylinder 7 fuel injector
 - N86 Cylinder 8 fuel injector
 - N299 Cylinder 9 fuel injector
 - N324 Ignition coil 6 with power output stage
 - N325 Ignition coil 7 with power output stage
 - N326 Ignition coil 8 with power output stage
 - N327 Ignition coil 9 with power output stage
 - P Spark plug connectors
 - Q Spark plugs
 - T4i 4-pin connector
 - T4k 4-pin connector
 - T4l 4-pin connector
 - T4v 4-pin connector
 - T14i 14-pin connector, in the engine compartment, left
 - T60a 60-pin connector
 - 132** Ground connection 3 (in engine compartment wiring harness)
 - 241** Engine ground connection 2 (in engine wiring harness)
 - 618** Ground connection on engine, left
 - D107** Connection 5 (in engine compartment wiring harness)
 - D117** Connection 15 (in engine compartment wiring harness)

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Knock sensor 3, Knock sensor 4, Engine control module 2

- | | |
|------|--|
| G198 | Knock sensor 3 |
| G199 | Knock sensor 4 |
| J624 | Engine control module 2 |
| N300 | Cylinder 10 fuel injector |
| N328 | Ignition coil 10 with power output stage |
| P | Spark plug connectors |
| Q | Spark plugs |
| T3p | 3-pin connector, on the knock sensor 3 |
| T3q | 3-pin connector, on the knock sensor 4 |
| T4w | 4-pin connector |
| T14i | 14-pin connector, in the engine compartment, left |
| T60a | 60-pin connector |
| 132 | Ground connection 3 (in engine compartment wiring harness) |
| 241 | Engine ground connection 2 (in engine wiring harness) |
| D107 | Connection 5 (in engine compartment wiring harness) |
| D108 | Connection 6 (in engine compartment wiring harness) |
| D117 | Connection 15 (in engine compartment wiring harness) |



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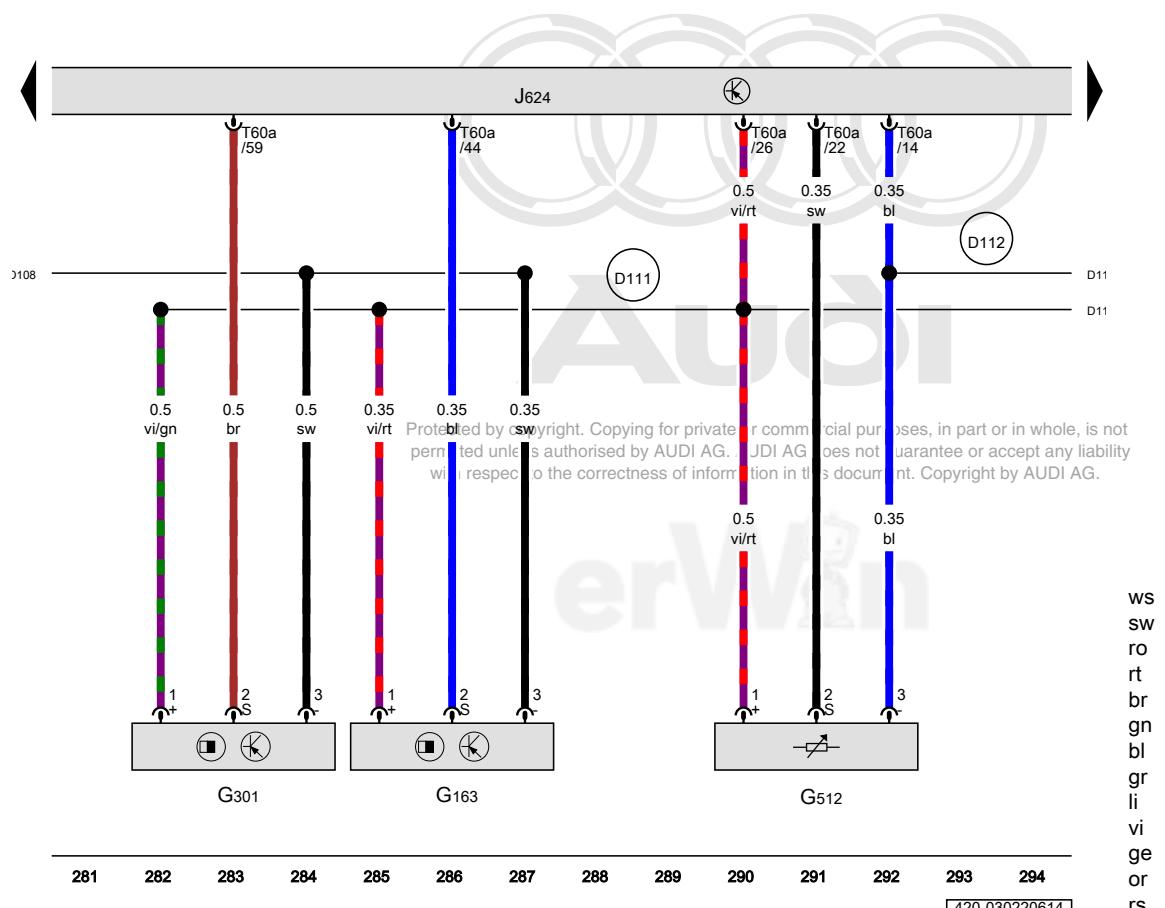
Camshaft position sensor 2, Camshaft position sensor 4,
Intake manifold runner position sensor 2, Engine control
module 2

G163 Camshaft position sensor 2
G301 Camshaft position sensor 4
G512 Intake manifold runner position sensor 2
J624 Engine control module 2
T60a 60-pin connector

(D108) Connection 6 (in engine compartment wiring harness)

(D111) Connection 9 (in engine compartment wiring harness)

(D112) Connection 10 (in engine compartment wiring harness)



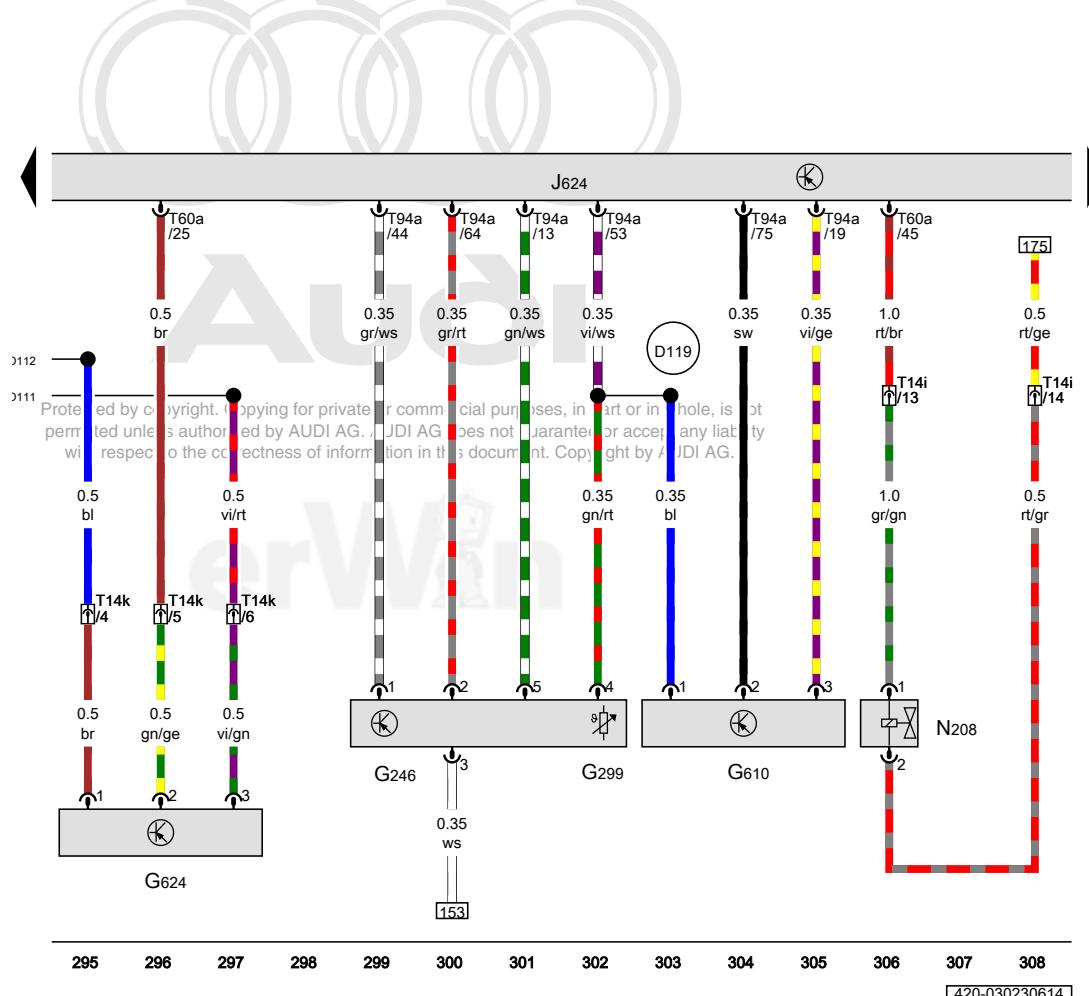
**Mass airflow sensor 2, Secondary air injection sensor 2,
Engine control module 2, Camshaft adjustment valve 2**

G246 Mass airflow sensor 2
 G299 Intake air temperature sensor 2
 G610 Secondary air injection sensor 2
 G624 Fuel pressure sensor 2
 J624 Engine control module 2
 N208 Camshaft adjustment valve 2
 T14i 14-pin connector, in the engine compartment, left
 T14k 14-pin connector, in the engine compartment, left
 T60a 60-pin connector
 T94a 94-pin connector

(D111) Connection 9 (in engine compartment wiring harness)

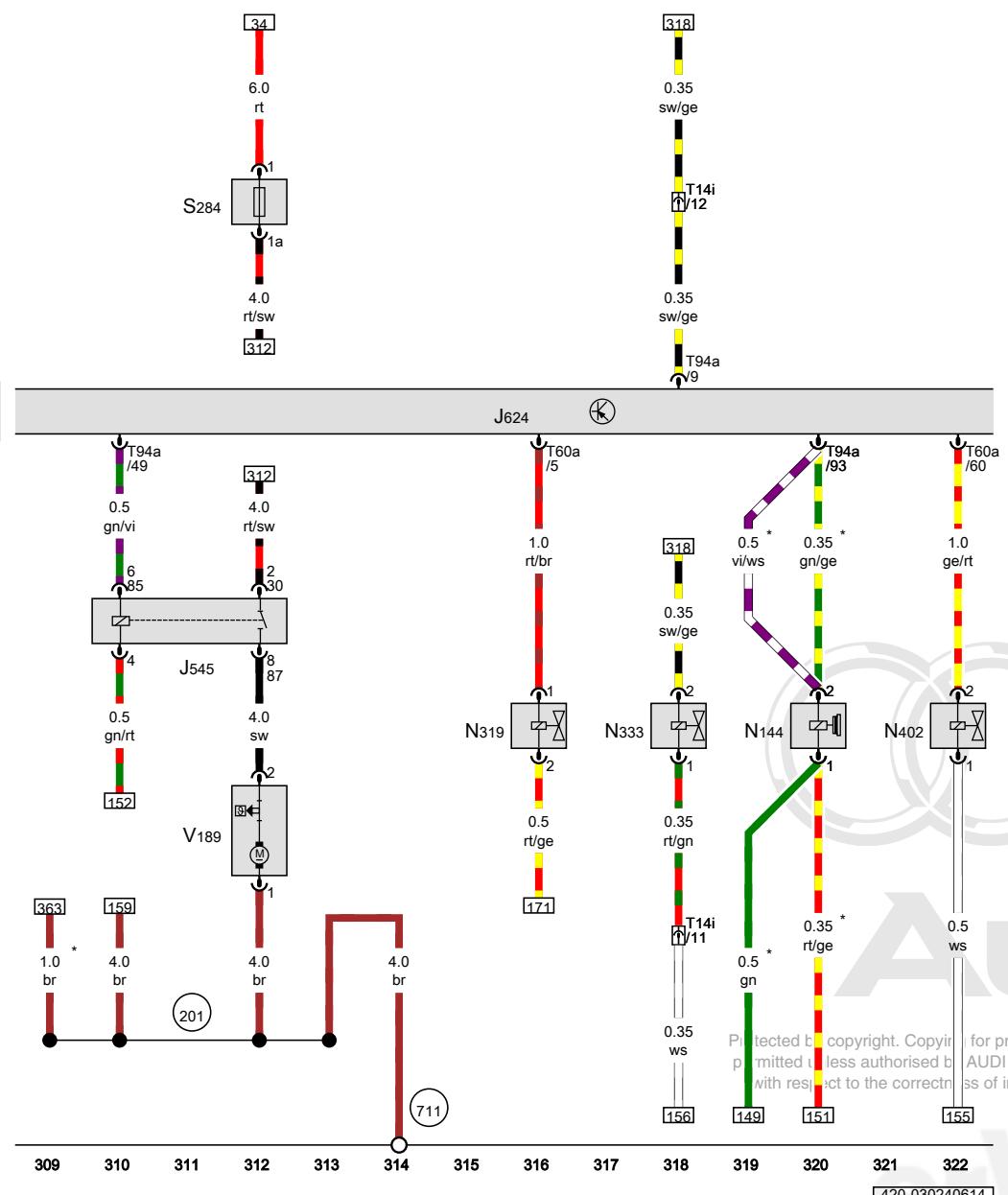
(D112) Connection 10 (in engine compartment wiring harness)

(D119) Connection 17 (in engine compartment wiring harness)

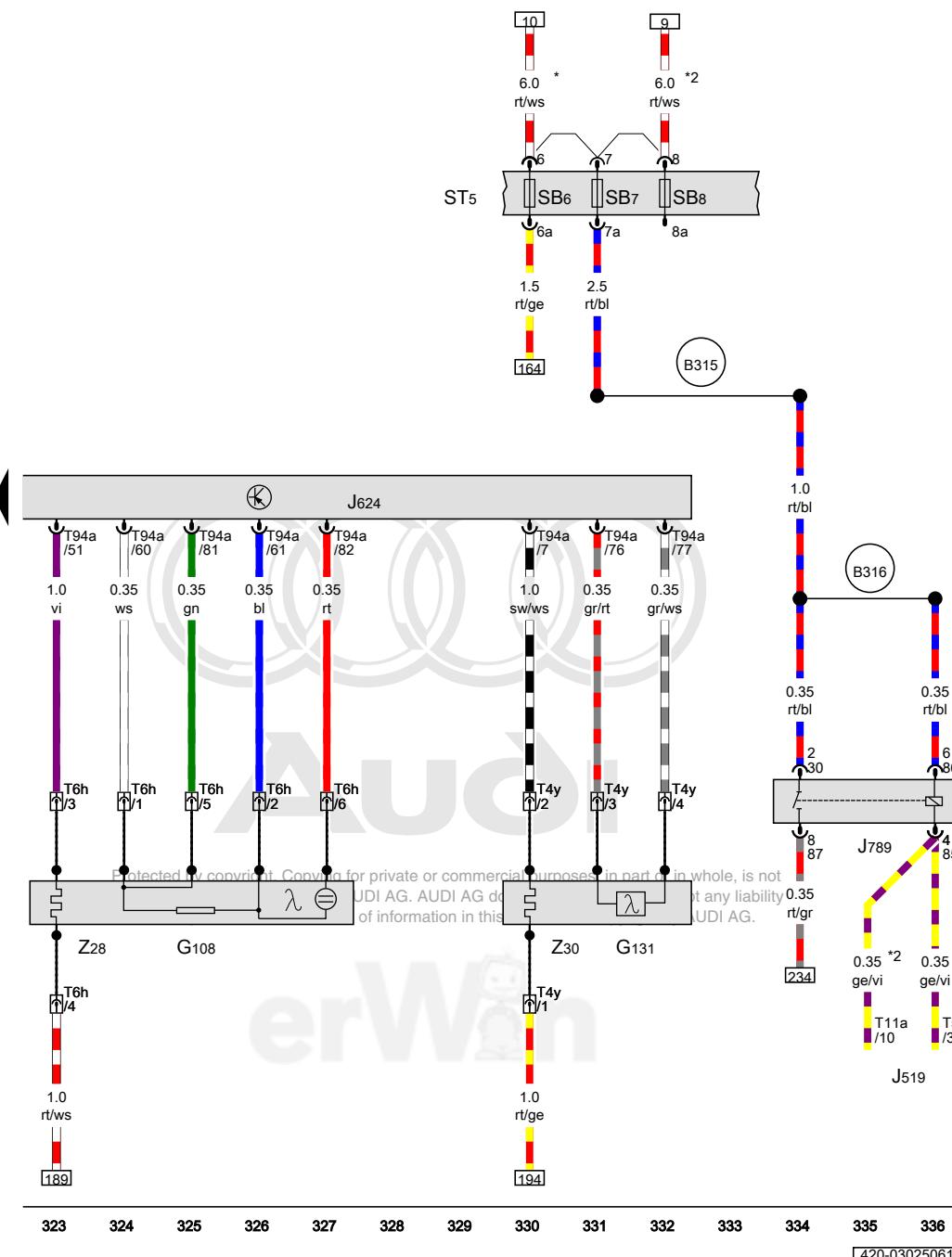


Secondary air injection pump relay 2, Engine control module 2, EVAP system purge regulator valve 2, Fuel metering valve 2, Secondary air injection pump motor 2

- J545 Secondary air injection pump relay 2
 - J624 Engine control module 2
 - N144 Left electrohydraulic engine mount solenoid valve
 - N319 Exhaust camshaft adjustment valve 2
 - N333 EVAP system purge regulator valve 2
 - N402 Fuel metering valve 2
 - S284 Secondary air injection pump fuse 2
 - T14i 14-pin connector, in the engine compartment, left
 - T60a 60-pin connector
 - T94a 94-pin connector
 - V189 Secondary air injection pump motor 2
 - (201) Ground connection 5 (in engine compartment wiring harness)
 - (711) Ground connection 3 on left rear chassis side member
- * Depending on equipment



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Heated oxygen sensor 2, Oxygen sensor 2 after catalytic converter, Engine control module 2, Control relay

G108 Heated oxygen sensor 2
 G131 Oxygen sensor 2 after catalytic converter
 J519 Vehicle electrical control module system
 J624 Engine control module 2
 J789 Control relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell

ST5 Fuse panel 5
 SB6 Fuse 6 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 T4y 4-pin connector, black
 T6h 6-pin connector, brown
 T11a 11-pin connector
 T52b 52-pin connector
 T94a 94-pin connector
 Z28 Oxygen sensor 2 heater
 Z30 Heater for oxygen sensor 2 after catalytic converter

(B315) Positive connection 1 (30a) (in main wiring harness)

(B316) Positive connection 2 (30a) (in main wiring harness)

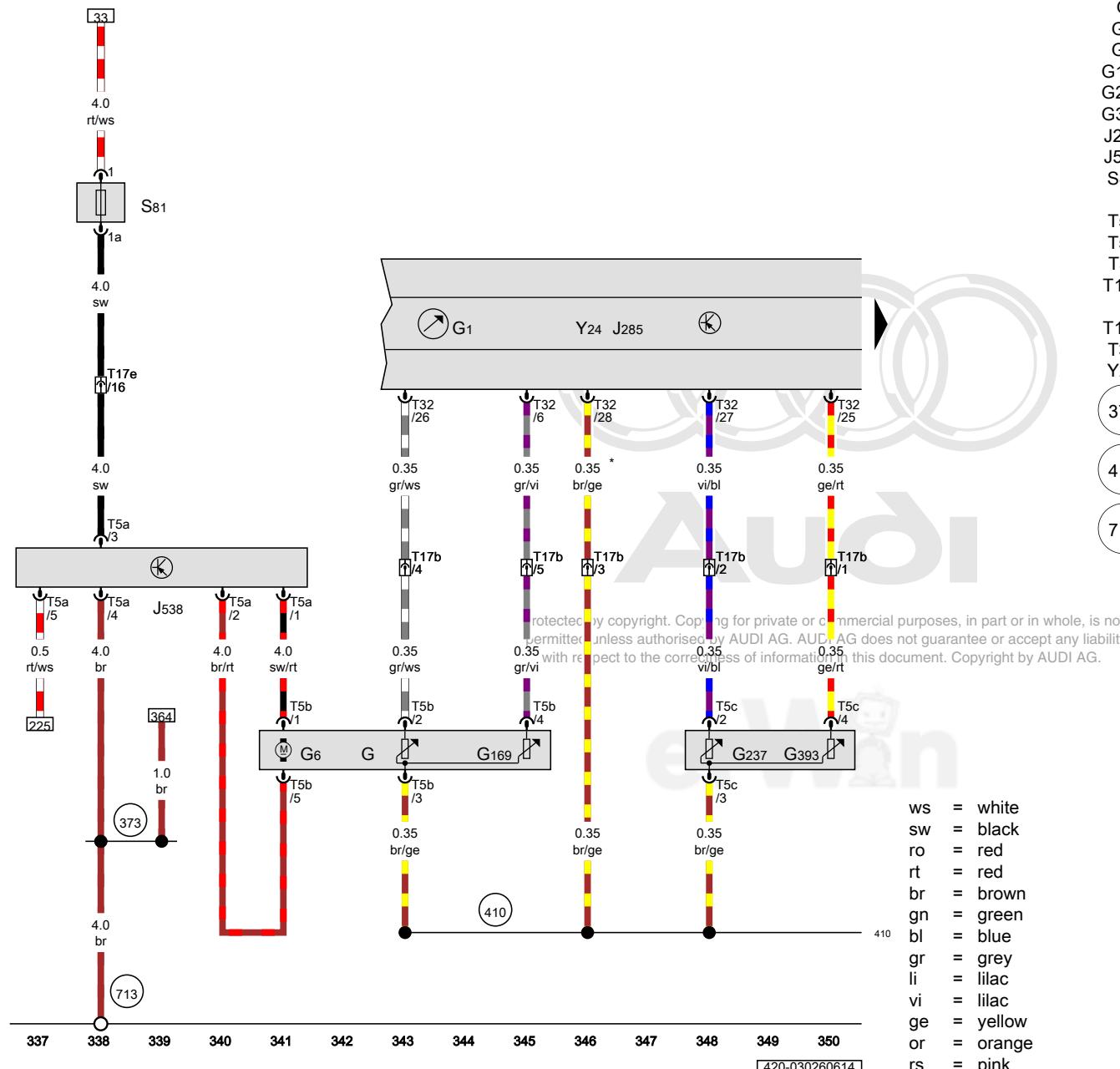
* from June 2009

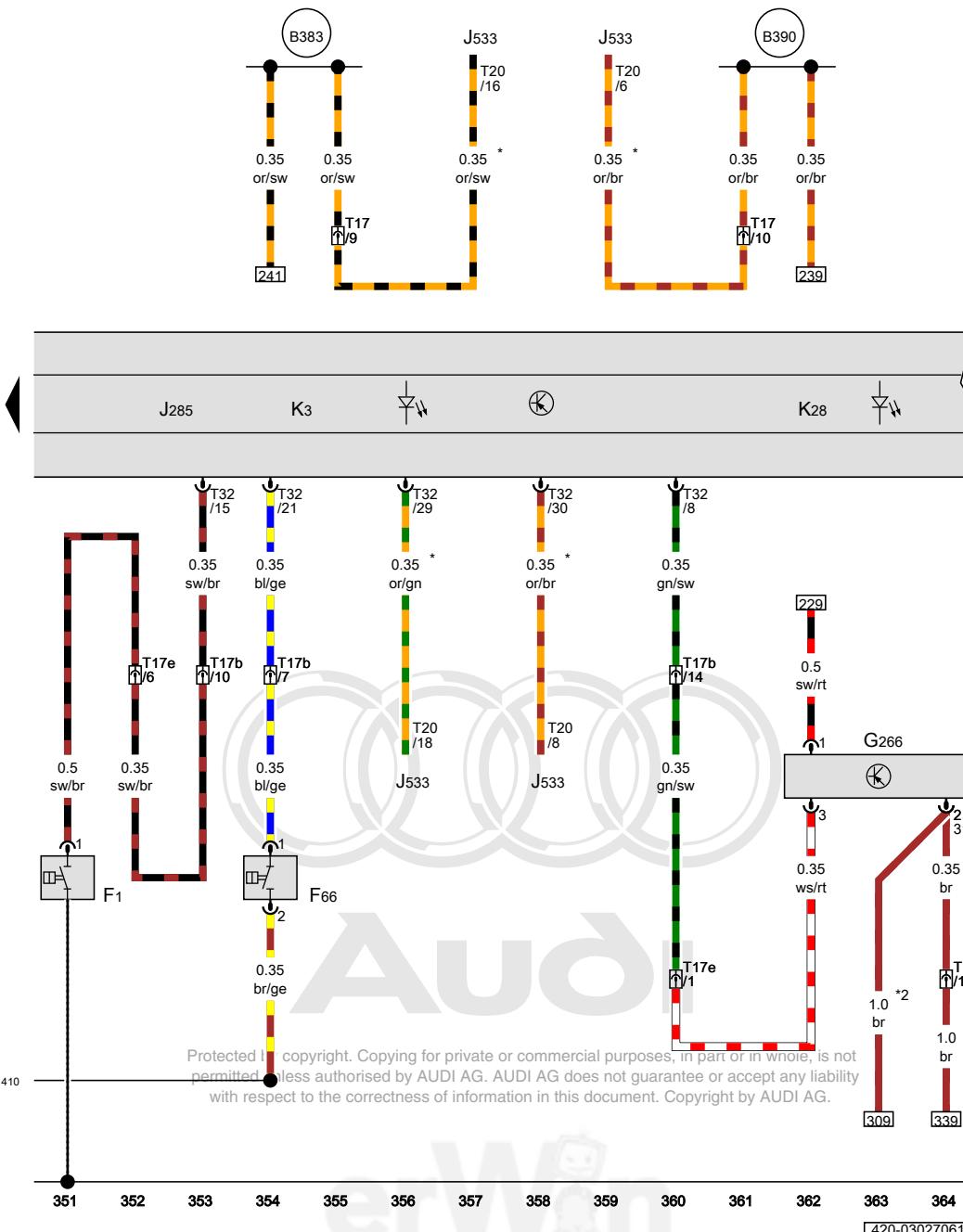
*2 Through May 2009

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 gn = green
 bl = blue
 gr = grey
 li = lilac
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Fuel level sensor, Transfer fuel pump, Instrument cluster control module

- G Fuel level sensor
- G1 Fuel gauge
- G6 Transfer fuel pump
- G169 Fuel level sensor 2
- G237 Fuel level sensor 3
- G393 Fuel level sensor 4
- J285 Instrument cluster control module
- J538 Fuel pump control module
- S81 Fuel pump fuse, 9-pin relay and fuse panel C under the rear shelf, right
- T5a 5-pin connector
- T5b 5-pin connector
- T5c 5-pin connector
- T17b 17-pin connector, Inside the center console connector station on the right side
- T17e 17-pin connector, Connector station under the rear shelf, right
- T32 32-pin connector
- Y24 Display unit in instrument cluster
- 373 Ground connection 8 (in main wiring harness)
- 410 Sensor ground connection 1 (in main wiring harness)
- 713 Ground connection under rear shelf, right
- * Sensor ground output





Oil pressure switch, Engine coolant level warning switch, Oil level thermal sensor, Instrument cluster control module

- F1 Oil pressure switch
 - F66 Engine coolant level warning switch
 - G266 Oil level thermal sensor
 - J285 Instrument cluster control module
 - J533 Data bus on board diagnostic interface
 - K3 Oil pressure indicator lamp
 - K28 Engine coolant level/temperature indicator lamp
 - T17 17-pin connector, Inside the center console connector station on the right side
 - T17b 17-pin connector, Inside the center console connector station on the right side
 - T17e 17-pin connector, Connector station under the rear shelf, right
 - T17f 17-pin connector, Connector station under the rear shelf, right
 - T20 20-pin connector
 - T32 32-pin connector
 - 410 Sensor ground connection 1 (in main wiring harness)
 - B383 Powertrain CAN bus high connection 1 (in main wiring harness)
 - B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)
*2 Depending 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

Battery cut-out relay 2, Motronic engine control module power supply relay 2, Optional equipment main fuse

F500 Battery cut-out relay 2, near the battery

J670 Motronic engine control module power supply relay 2, 9-pin relay and fuse panel C under the rear shelf, right

S245 Optional equipment main fuse, near the battery

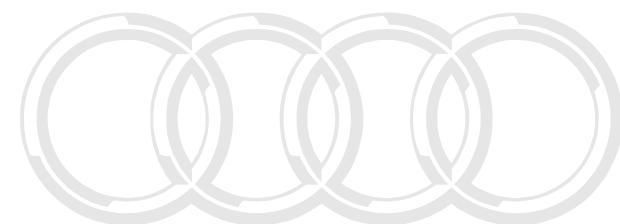
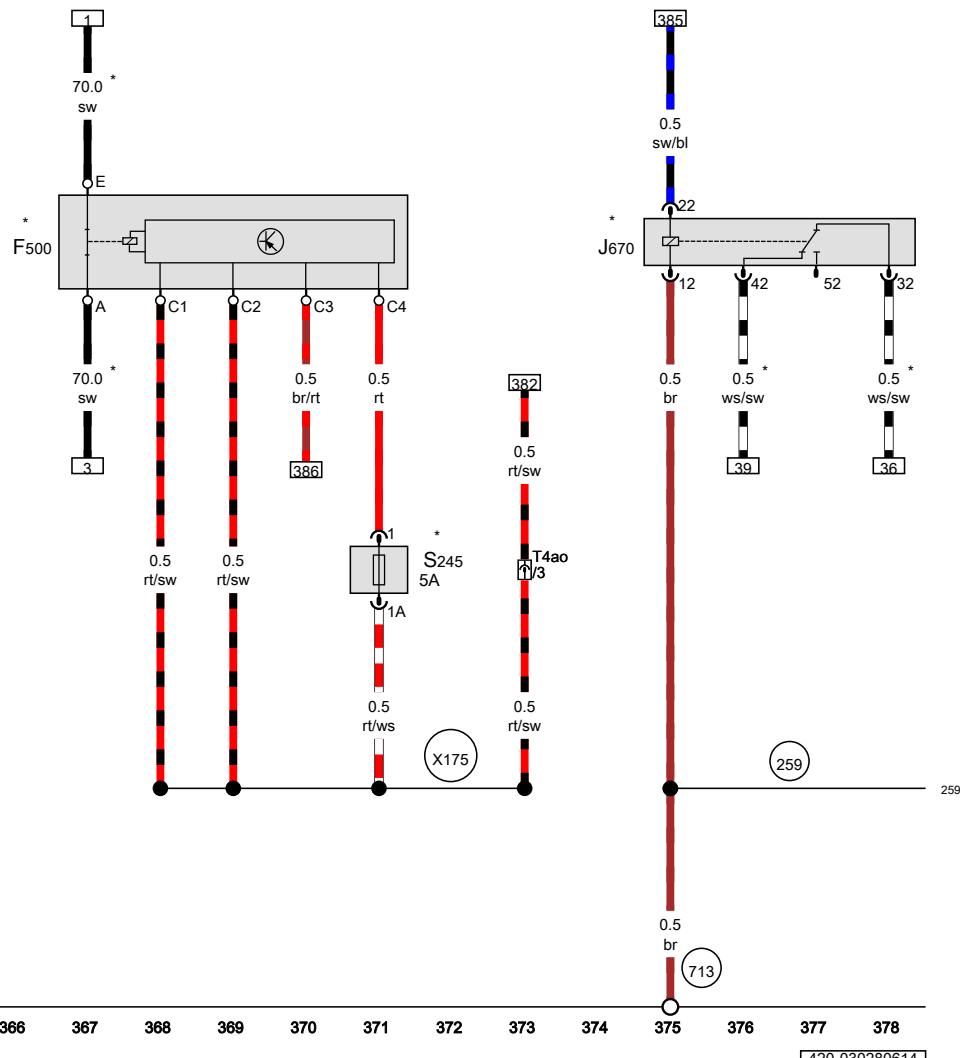
T4ao 4-pin connector, in the right front wheel housing

(259) Ground connection 2 (in optional equipment wiring harness)

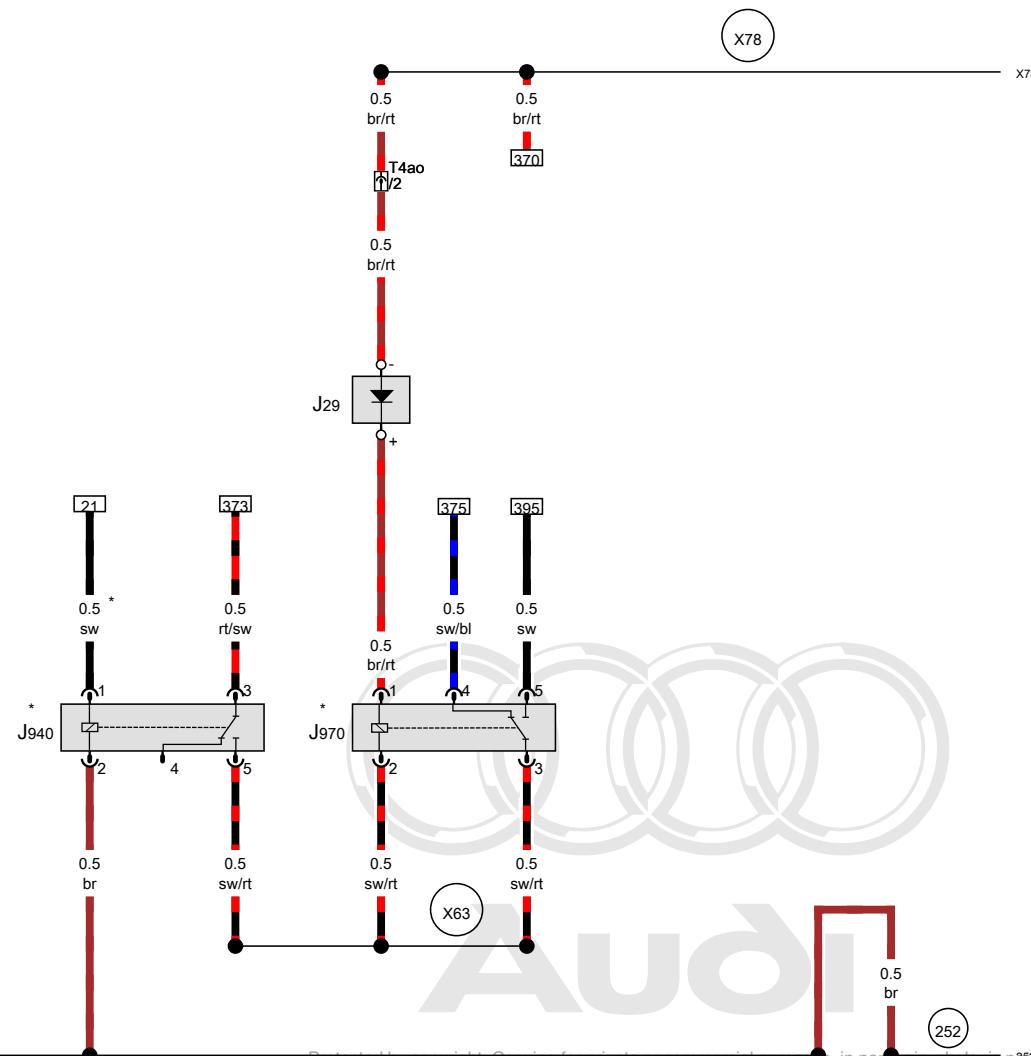
(713) Ground connection under rear shelf, right

(X175) Positive connection (30a) (in optional equipment wiring harness)

* Only for Audi R8 GT



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



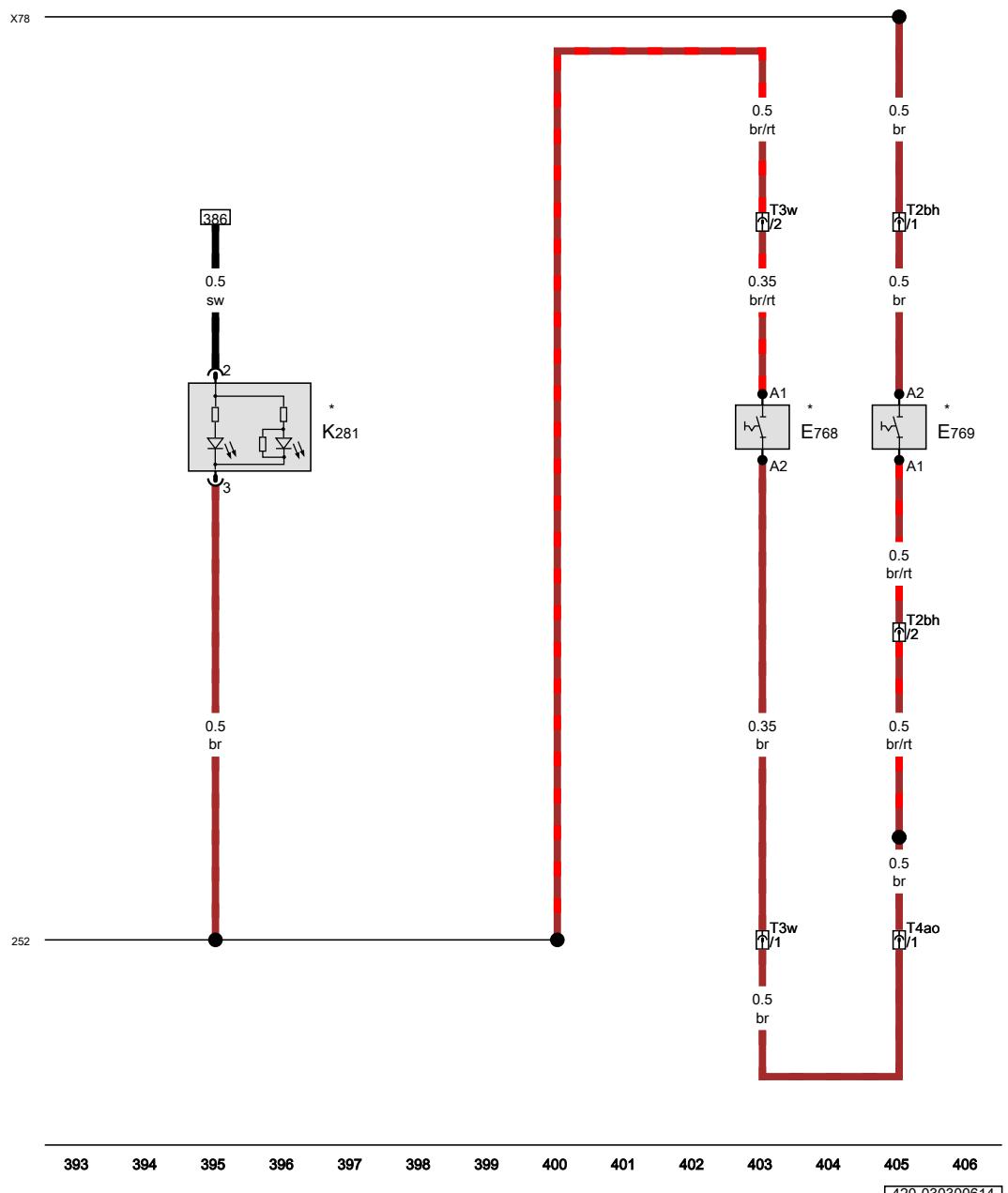
Blocking diode, Terminal 15 relay, Emergency off relay

- J29 Blocking diode
- J940 Terminal 15 relay, 9-pin relay and fuse panel C under the rear shelf, right
- J970 Emergency off relay, 9-pin relay and fuse panel C under the rear shelf, right
- T4ao 4-pin connector, in the right front wheel housing
- (252) Ground connection (in optional equipment wiring harness)
- (259) Ground connection 2 (in optional equipment wiring harness)
- (X63) Positive connection 1 (15a) (in optional equipment wiring harness)
- (X78) Connection 1 (in optional equipment wiring harness)

* Only for Audi R8 GT

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| ws | = white |
| 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 |

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Transmission temperature limit switch 1, Transmission temperature limit switch 2, Emergency off indicator lamp

E768 Transmission temperature limit switch 1, in the center console on the selector lever bracket

E769 Transmission temperature limit switch 2, in the left plenum chamber

K281 Emergency off indicator lamp

T2bh Double connector, in the left front wheel housing

T3w 3-pin connector, in the center console

T4ao 4-pin connector, in the right front wheel housing

252 Ground connection (in optional equipment wiring harness)

X78 Connection 1 (in optional equipment wiring harness)

* Only for Audi R8 GT

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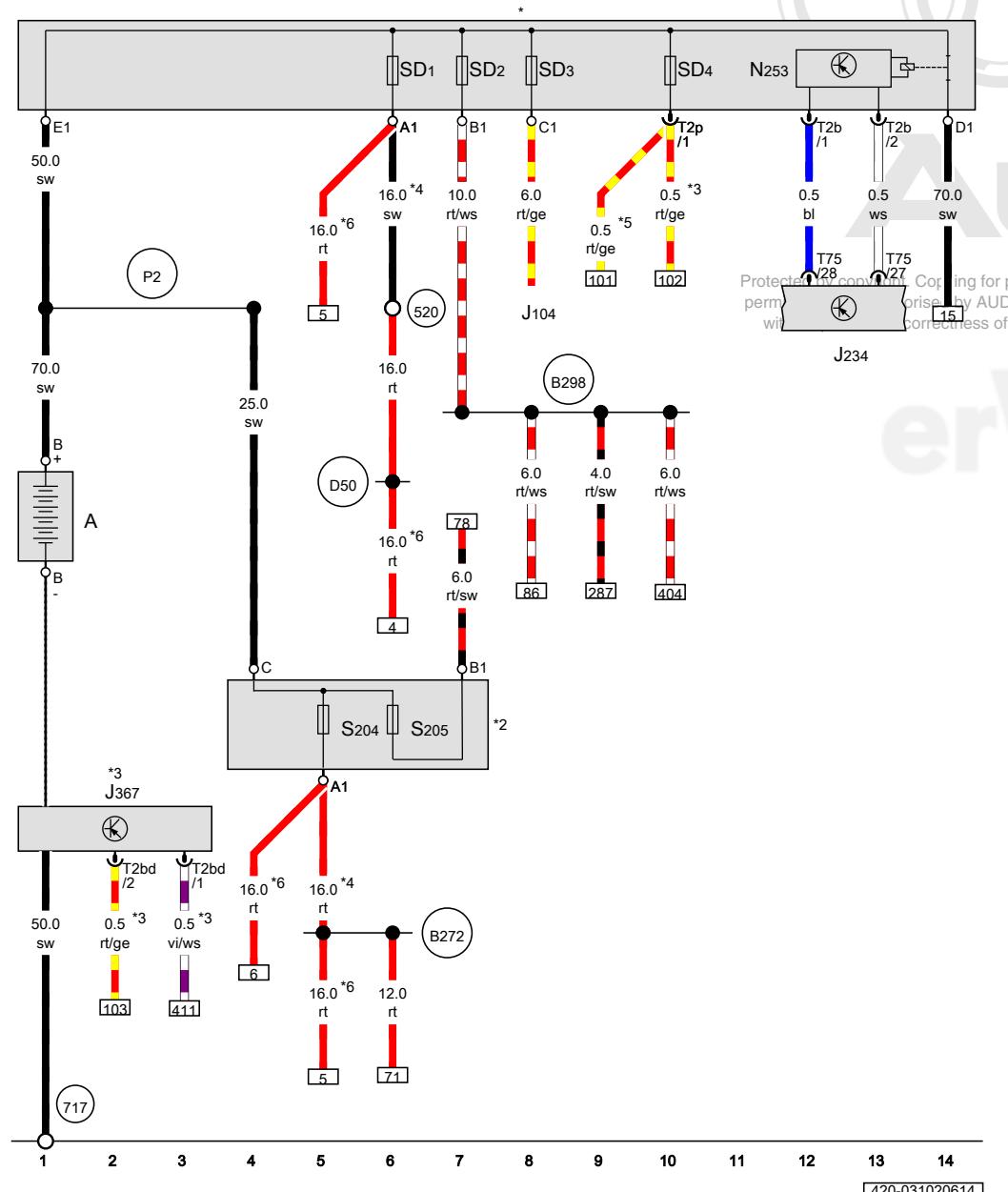
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| ro | = red |
| rt | = red |
| br | = brown |
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| bl | = blue |
| gr | = grey |
| li | = lilac |
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Standard equipment
from June 2009



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Battery, Battery monitoring control module, Battery interrupt igniter

- A Battery
 - J104 ABS control module
 - J234 Airbag control module
 - J367 Battery monitoring control module
 - N253 Battery interrupt igniter
 - SD1 Fuse 1 (on fuse panel D)
 - SD2 Fuse 2 (on fuse panel D)
 - SD3 Fuse 3 (on fuse panel D)
 - SD4 Fuse 4 (on fuse panel D)
 - S204 Fuse 1 (terminal 30)
 - S205 Fuse 2 (terminal 30), in the right front footwell
 - T2b Double connector
 - T2bd Double connector
 - T2p Double connector
 - T75 75-pin connector
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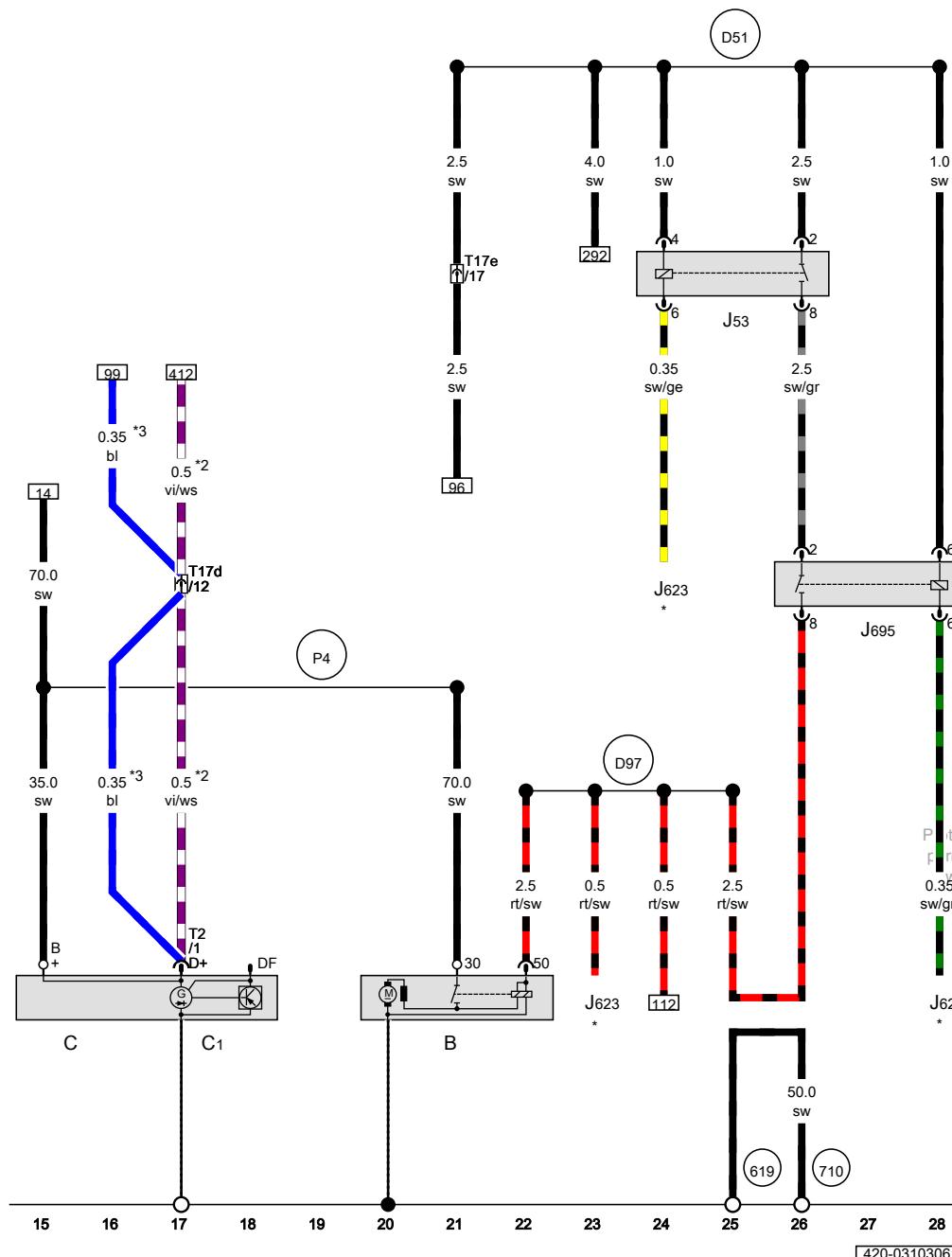
- (520) Threaded connection on the coupling station, Connector station under the rear shelf, right
- (717) Ground connection on right front crossmember
- (B272) Positive connection (30) (in main wiring harness)
- (B298) Positive connection 2 (30) (in main wiring harness)
- (D50) Positive connection (30) (in engine compartment wiring harness)
- (P2) Positive connection (30) (in battery wiring harness)

- * Main fuse box in the right front footwell
- *2 Main distribution in the right front footwell
- *3 from June 2010
- *4 Through October 2011
- *5 Through May 2010
- *6 from November 2011

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| ws | = white |
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| rt | = red |
| br | = brown |
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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

420-031020614

Starter, Generator, Starter relay



- B Starter
 C Generator
 C1 Voltage regulator
 J53 Starter relay, 9-pin relay and fuse panel C under the rear shelf, right
 J623 Engine control module
 J695 Relay 2 for starter, 9-pin relay and fuse panel C under the rear shelf, right
 T2 Double connector
 T17d 17-pin connector, Connector station under the rear shelf, right
 T17e 17-pin connector, Connector station under the rear shelf, right
 619 Ground connection on engine block, lower left
 710 Ground connection 2 on left rear chassis side member
 D51 Positive connection 1 (15) (in engine compartment wiring harness)
 D97 Connection 50 (in right engine compartment wiring harness)
 P4 Positive connection 2 (30) (in battery wiring harness)
- * Refer to applicable engine wiring diagram from June 2010
 *2 Through May 2010

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| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
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420-031030614

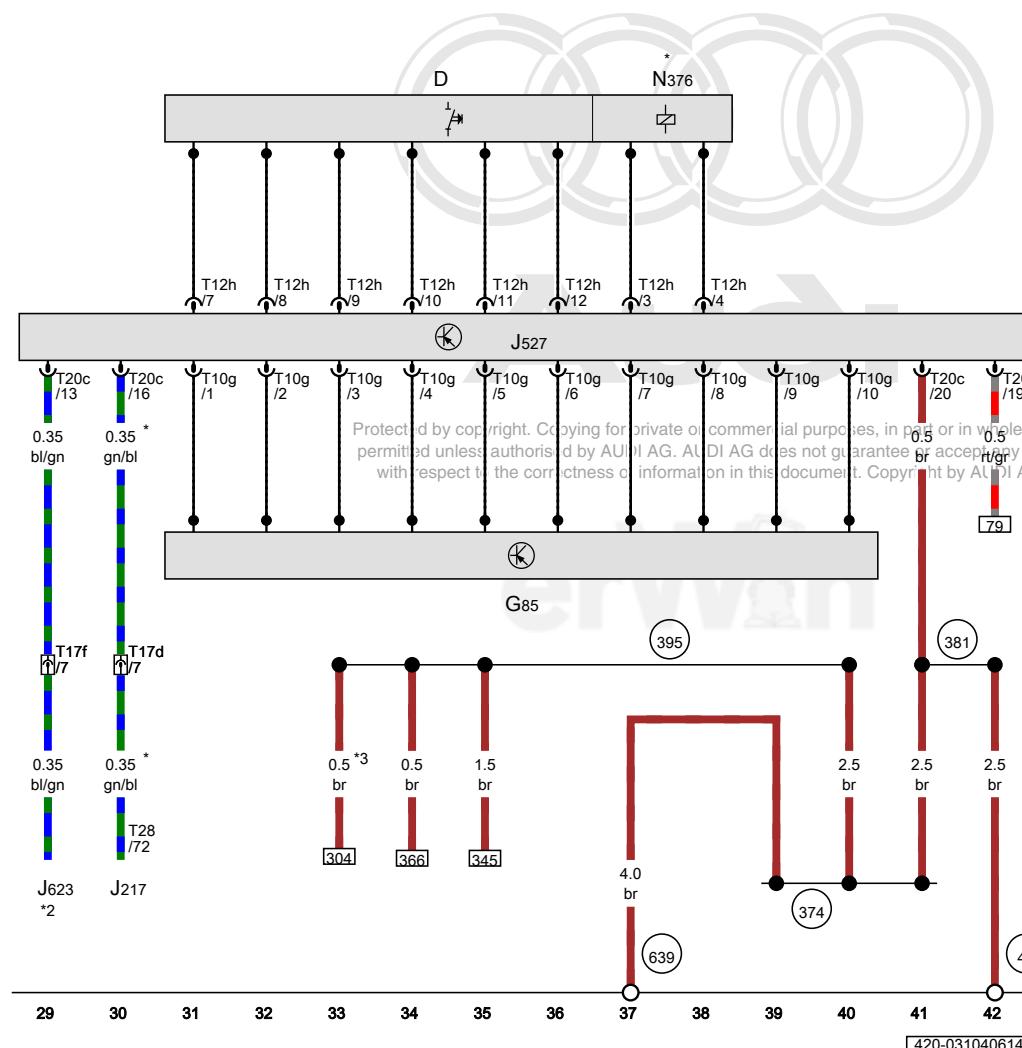
Ignition/starter switch, Steering column electronics control module

D Ignition/starter switch
 G85 Steering angle sensor
 J217 Transmission control module
 J527 Steering column electronics control module
 J623 Engine control module
 N376 Ignition switch key lock solenoid
 T10g 10-pin connector
 T12h 12-pin connector
 T17d 17-pin connector, Connector station under the rear shelf, right
 T17f 17-pin connector, Connector station under the rear shelf, right
 T20c 20-pin connector
 T28 28-pin connector

42 Ground connection near steering column
 374 Ground connection 9 (in main wiring harness)
 381 Ground connection 16 (in main wiring harness)
 395 Ground connection 30 (in main wiring harness)

639 Ground connection on left A-pillar

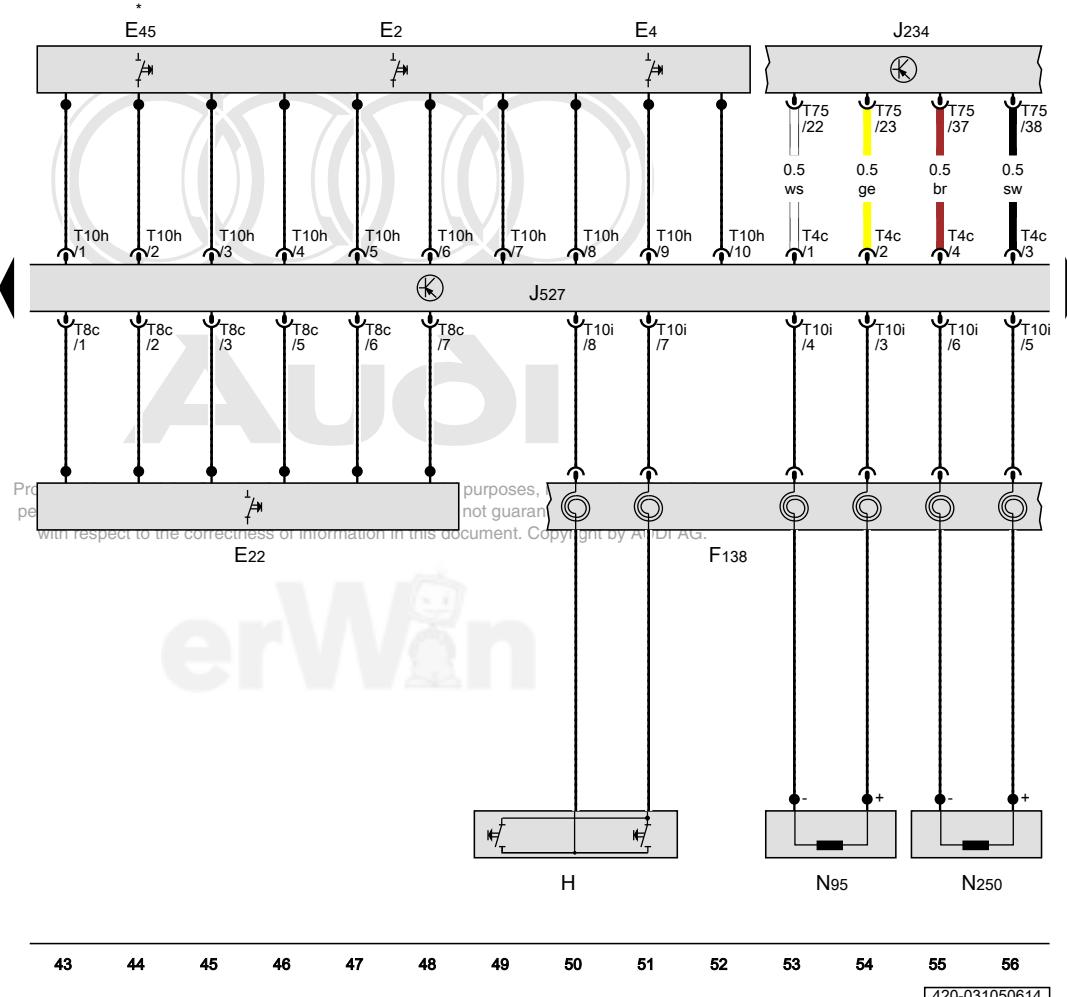
* Only for vehicles with automated manual transmission (R tronic)
 086
 *2 Refer to applicable engine wiring diagram
 *3 Only for vehicles with a manual transmission



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| rt | = red |
| br | = brown |
| gn | = green |
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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

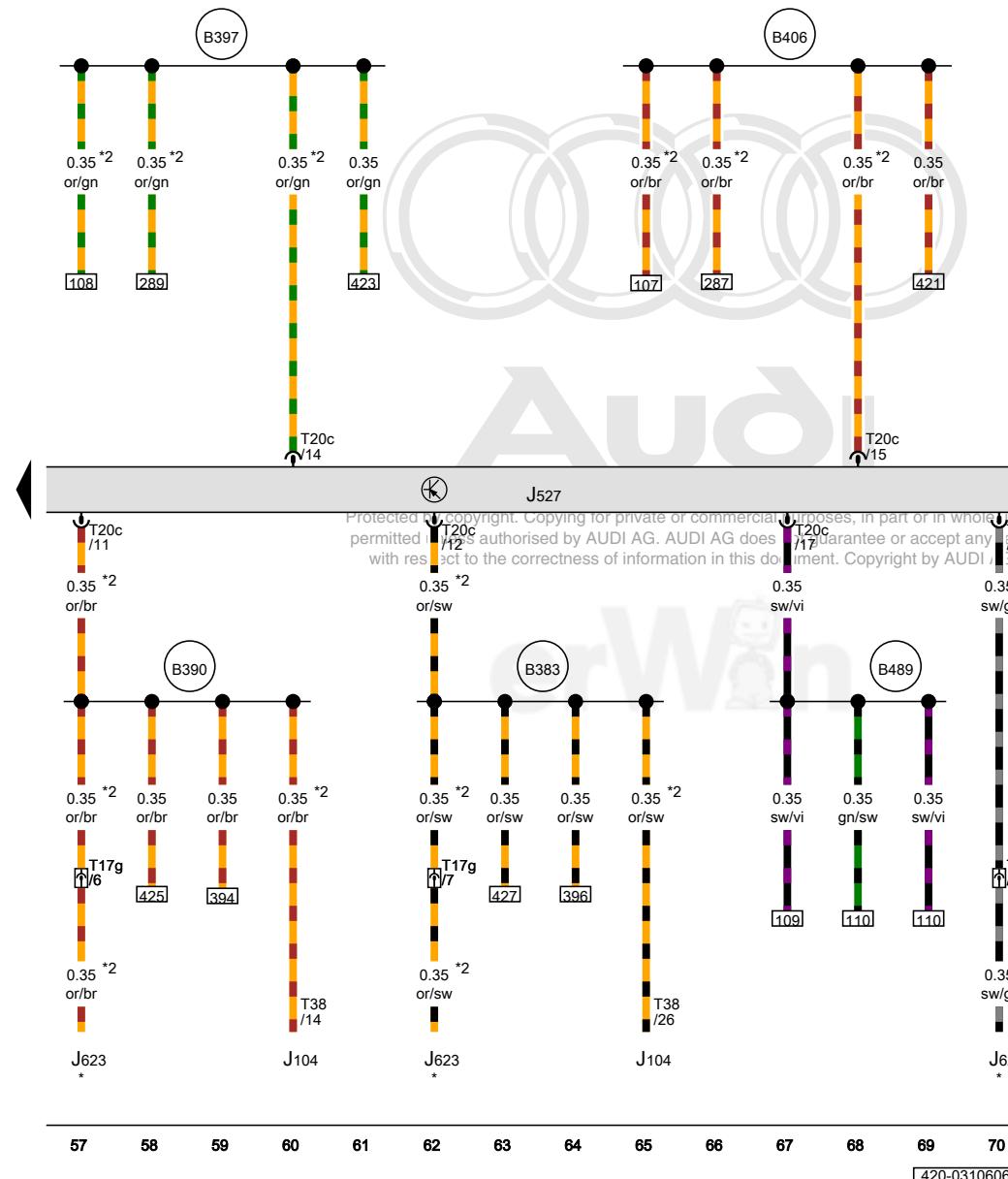
420-0310406141

**Turn signal switch, Headlamp dimmer/flasher switch,
Windshield wiper intermittent mode switch, Cruise control
switch, Signal horn activation, Steering column electronics
control module**



- E2 Turn signal switch
- E4 Headlamp dimmer/flasher switch
- E22 Windshield wiper intermittent mode switch
- E45 Cruise control switch
- F138 Airbag spiral spring/return spring with slip ring
- H Signal horn activation
- J234 Airbag control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4c 4-pin connector
- T8c 8-pin connector
- T10h 10-pin connector
- T10i 10-pin connector
- T75 75-pin connector
- * Only for vehicles with cruise control

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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 |



Steering column electronics control module

- J104 ABS control module
 - J527 Steering column electronics control module
 - J623 Engine control module
 - T17d 17-pin connector, Connector station under the rear shelf, right
 - T17g 17-pin connector, Connector station under the rear shelf, right
 - T20c 20-pin connector
 - T38 38-pin connector
 - (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
 - (B390) Powertrain CAN bus low connection 1 (in main wiring harness)
 - (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
 - (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
 - (B489) Connection 25 (in main wiring harness)
- * Refer to applicable engine wiring diagram
*2 Data bus wire (CAN bus)

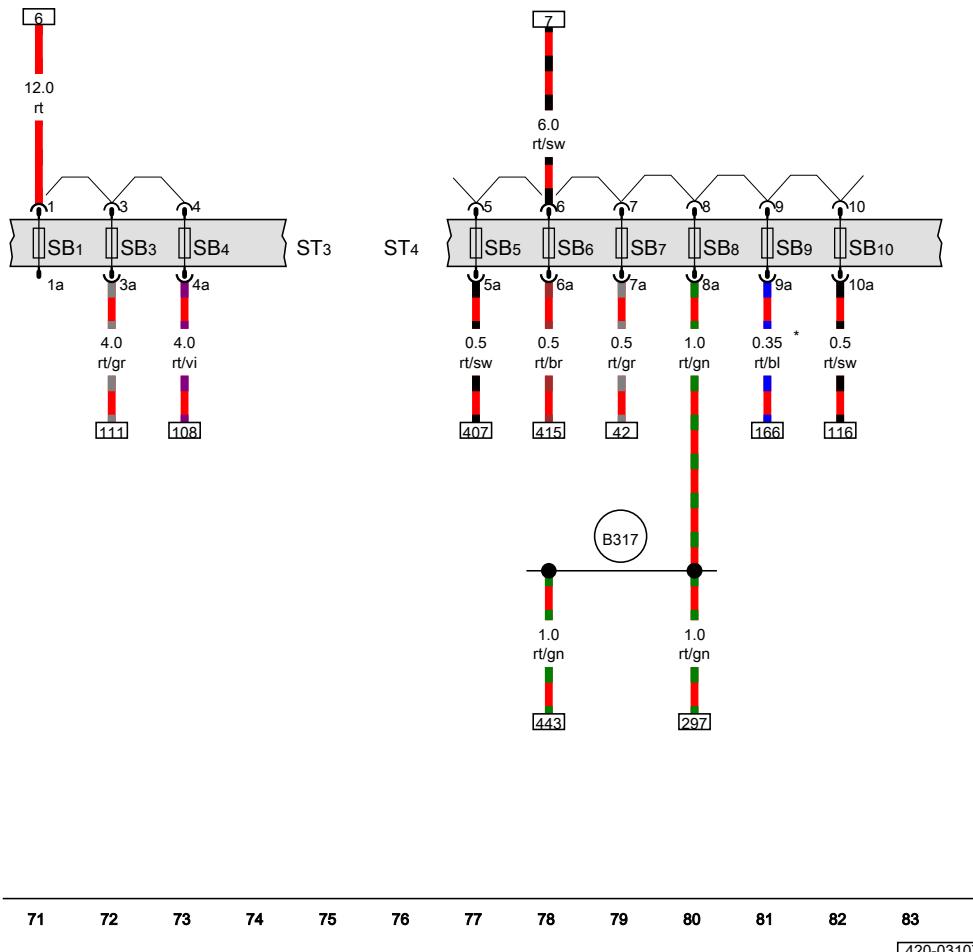
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

Fuse panel 3, Fuse panel 4

- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- ST3 Fuse panel 3
- ST4 Fuse panel 4
- SB4 Fuse 4 (on fuse panel B)
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- SB10 Fuse 10 (on fuse panel B)

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**(B317) Positive connection 3 (30a) (in main wiring harness)
Only for vehicles with rain/light recognition sensor**

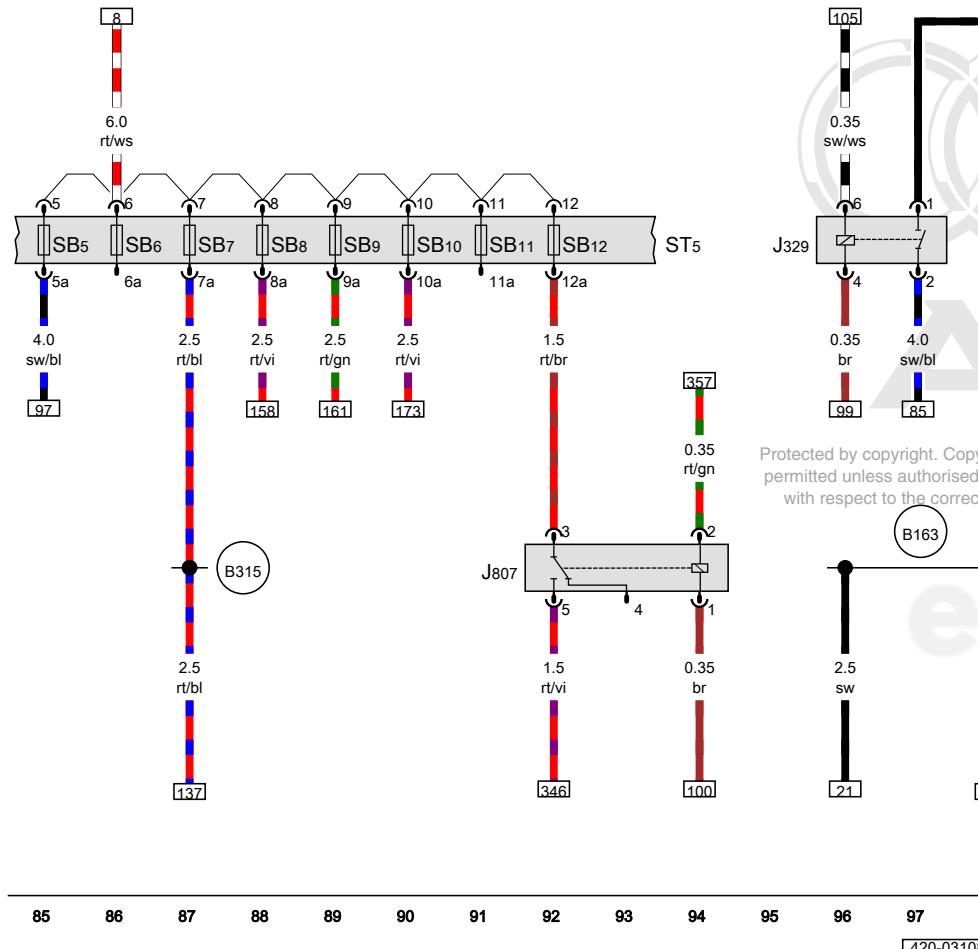


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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Terminal 15 power supply relay, Sockets relay

- J329 Terminal 15 power supply relay, Relay carrier in the right front footwell
 J807 Sockets relay, Relay carrier in the right front footwell
 ST5 Fuse panel 5
 SB5 Fuse 5 (on fuse panel B)
 SB6 Fuse 6 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 SB9 Fuse 9 (on fuse panel B)
 SB10 Fuse 10 (on fuse panel B)
 SB11 Fuse 11 (on fuse panel B)
 SB12 Fuse 12 (on fuse panel B)

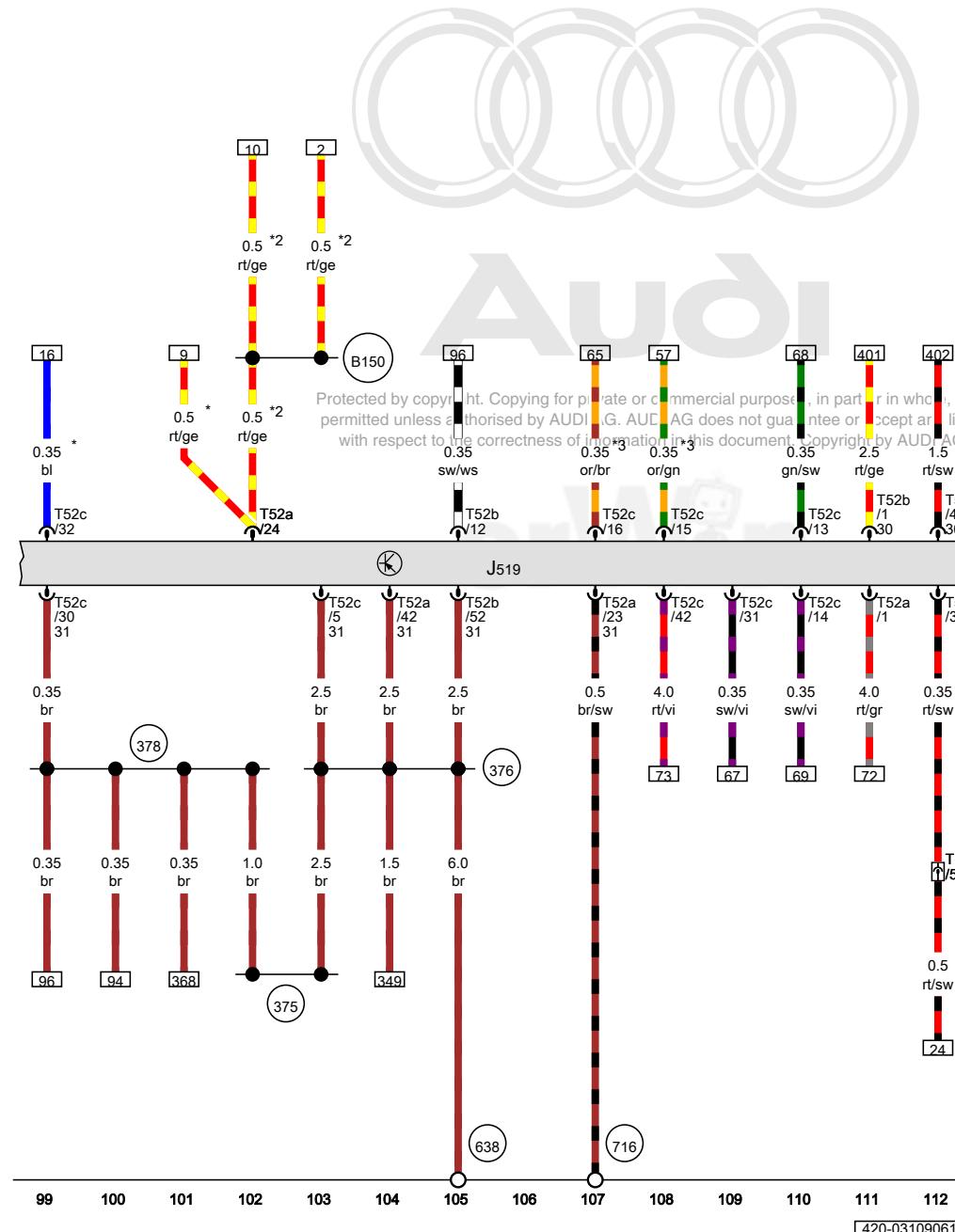
- B163 Positive connection 1 (15) (in interior wiring harness)
 B315 Positive connection 1 (30a) (in main wiring harness)



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

420-0310806141


Vehicle electrical control module system

J519 Vehicle electrical control module system
 T17d 17-pin connector, Connector station under the rear shelf, right
 T52a 52-pin connector
 T52b 52-pin connector
 T52c 52-pin connector

375 Ground connection 10 (in main wiring harness)

376 Ground connection 11 (in main wiring harness)

378 Ground connection 13 (in main wiring harness)

638 Ground connection on right A-pillar

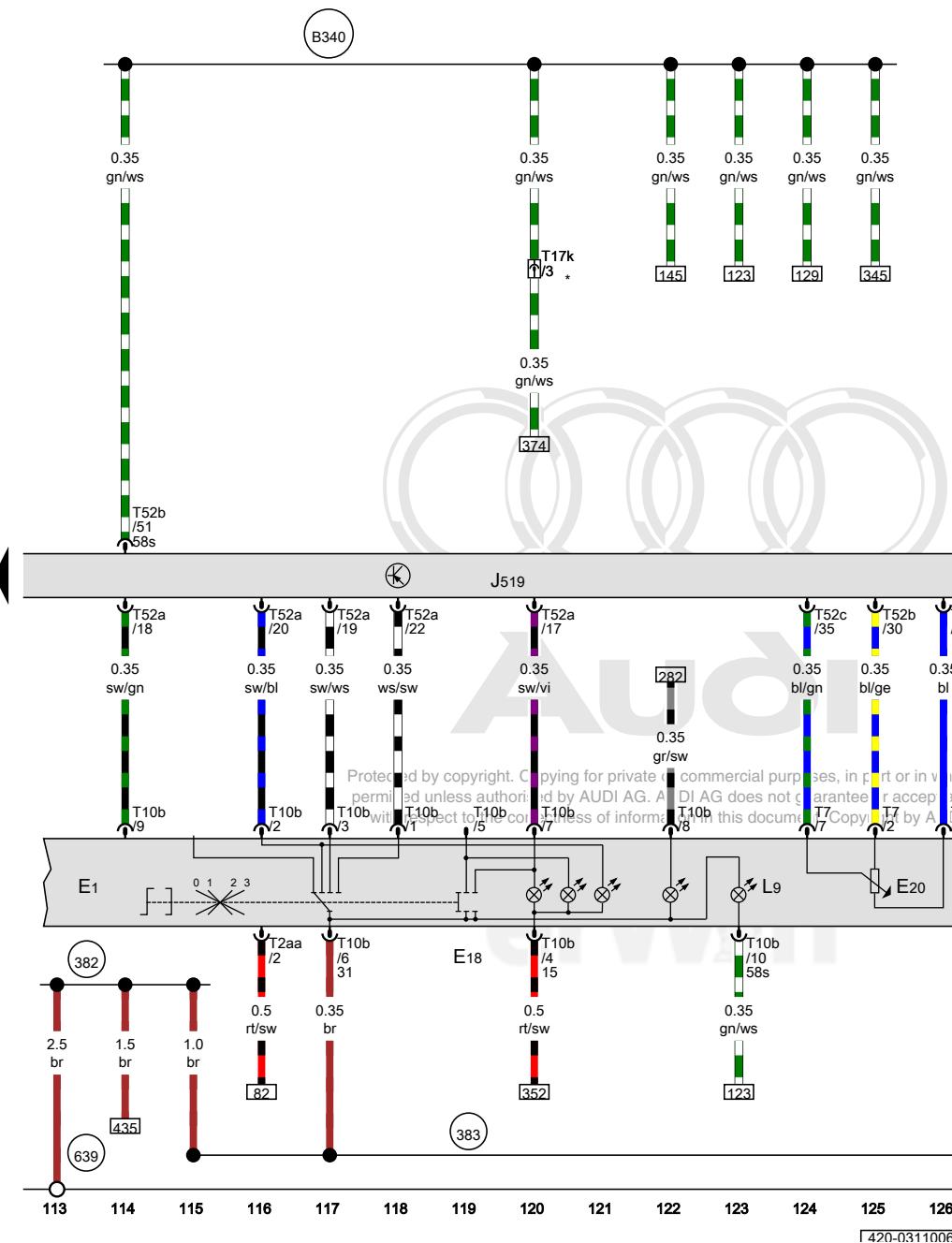
716 Ground connection on right crossmember

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

* Through May 2010

*2 from June 2010

*3 Data bus wire (CAN bus)



Light switch, Instrument panel and switch illumination dimmer switch, Vehicle electrical control module system

- E1 Light switch
- E18 Rear fog lamp switch
- E20 Instrument panel and switch illumination dimmer switch
- J519 Vehicle electrical control module system
- L9 Headlamp switch illumination bulb
- T2aa Double connector
- T7 7-pin connector
- T10b 10-pin connector
- T17k 17-pin connector, on the left A-pillar
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector

(382) Ground connection 17 (in main wiring harness)

(383) Ground connection 18 (in main wiring harness)

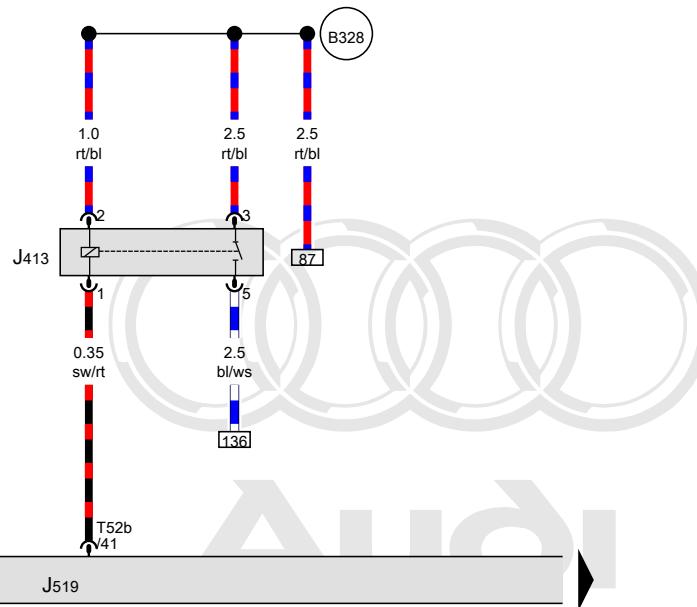
(639) Ground connection on left A-pillar

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

* Depending on equipment

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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 |

**Light switch, High tone horn, Low tone horn, Horn relay,
Vehicle electrical control module system**

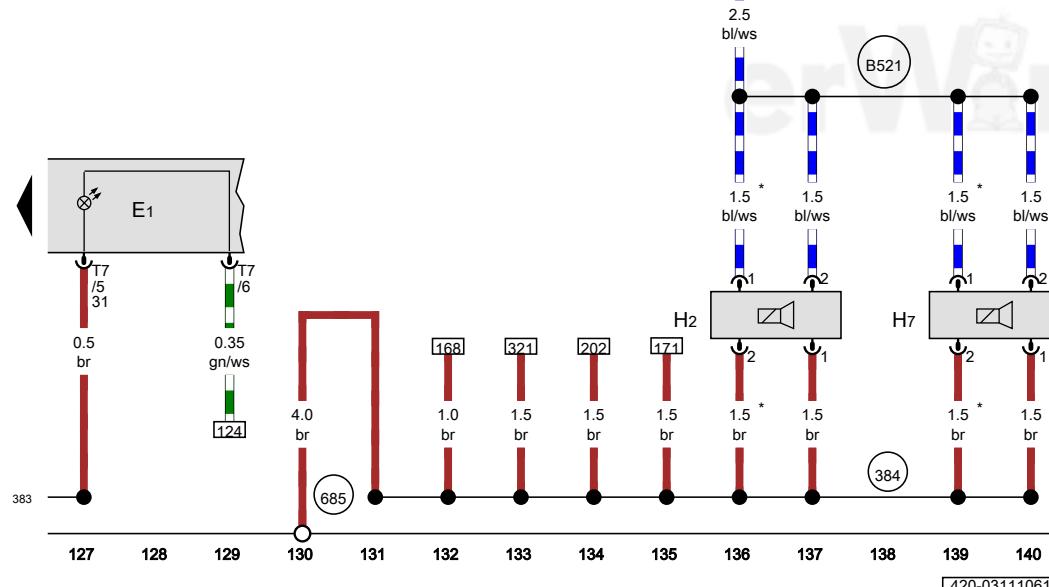


E1 Light switch
 H2 High tone horn
 H7 Low tone horn
 J413 Horn relay, Relay carrier in the right front footwell
 J519 Vehicle electrical control module system
 T7 7-pin connector
 T52b 52-pin connector

- (383) Ground connection 18 (in main wiring harness)
- (384) Ground connection 19 (in main wiring harness)
- (685) Ground connection 1 on right front longitudinal member
- (B328) Positive connection 14 (30a) (in main wiring harness)
- (B521) Dual tone horn connection (in main wiring harness)

* from March 2013

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

420-03110614

Front center console control head, Vehicle electrical control module system

E127 Rear spoiler adjustment switch
 E229 Emergency flasher button
 E256 ASR/ESP button
 E266 Parking aid button
 E387 Damping adjustment button
 E461 Front center console control head
 J104 ABS control module
 J250 Electronic damping control module
 J446 Parking aid control module
 J519 Vehicle electrical control module system
 K6 Emergency flasher indicator lamp
 K136 Parking aid indicator lamp
 K189 Damping adjustment indicator lamp
 K242 Rear spoiler adjustment indicator lamp
 L156 Switch illumination bulb
 T16d 16-pin connector
 T16e 16-pin connector
 T38 38-pin connector
 T47 47-pin connector
 T52a 52-pin connector
 T52b 52-pin connector
 T52c 52-pin connector

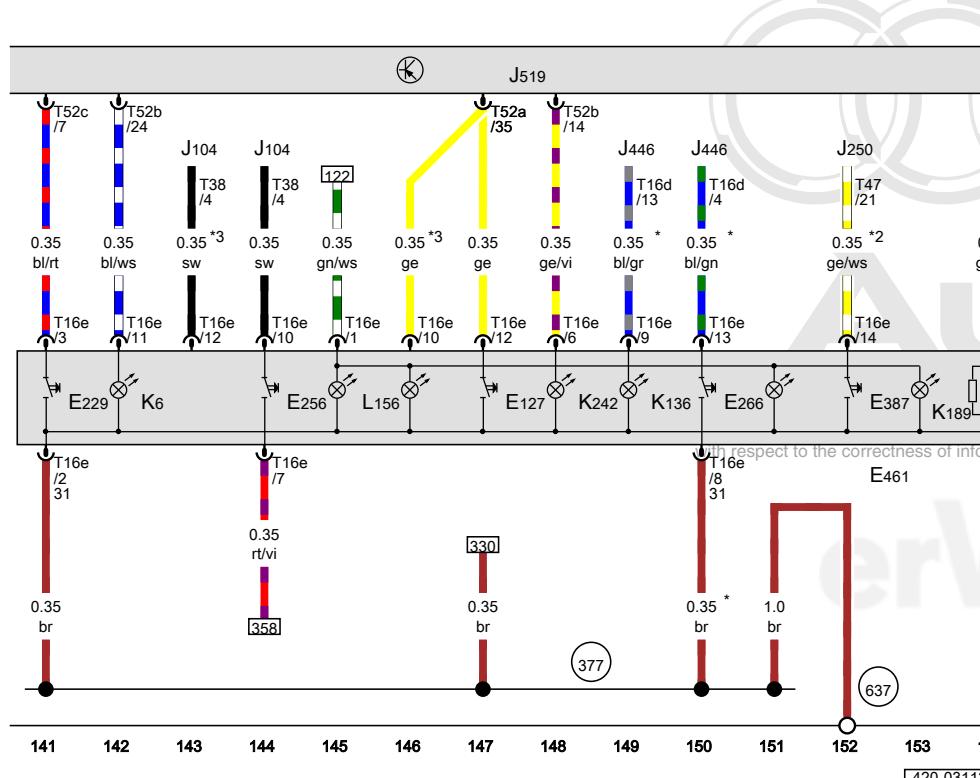
(377) Ground connection 12 (in main wiring harness)

(637) Airbag control module ground connection

* Only for vehicles with park distance control (PDC)

*2 Only for vehicles with electronic damping

*3 Only for right-hand drive 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

Rain/light recognition sensor, Wiper motor control module, Vehicle electrical control module system, Front passenger windshield wiper motor control module, Windshield washer pump

G397 Rain/light recognition sensor
J400 Wiper motor control module
J519 Vehicle electrical control module system
J584 Front passenger windshield wiper motor control module

T17k 17-pin connector, on the left A-pillar

T52b 52-pin connector

V5 Windshield washer pump

V216 Driver windshield wiper motor

V217 Front passenger windshield wiper motor

(370) Ground connection 5 (in main wiring harness)

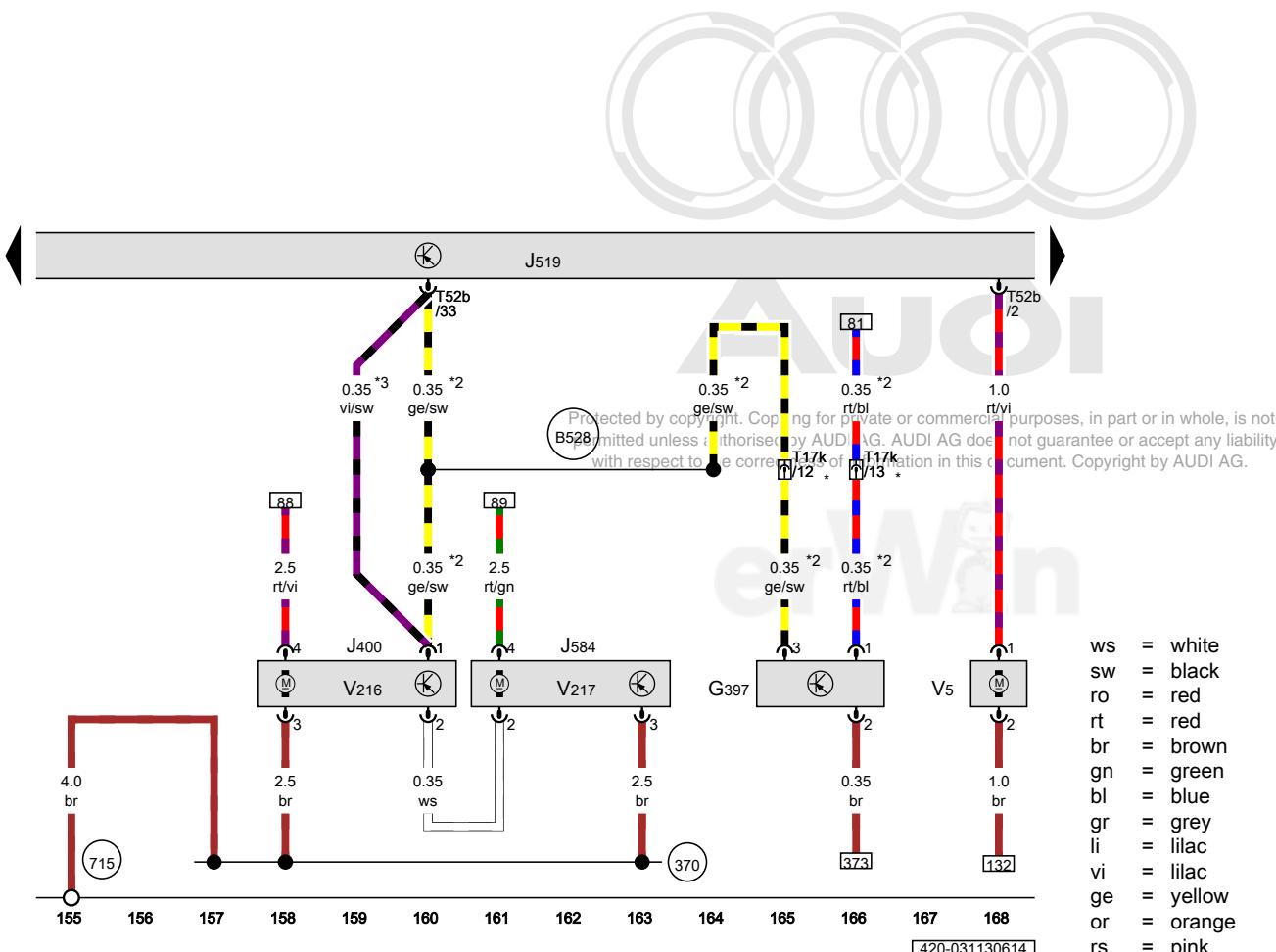
(715) Ground connection on left crossmember

(B528) LIN bus connection 1 (in main wiring harness)

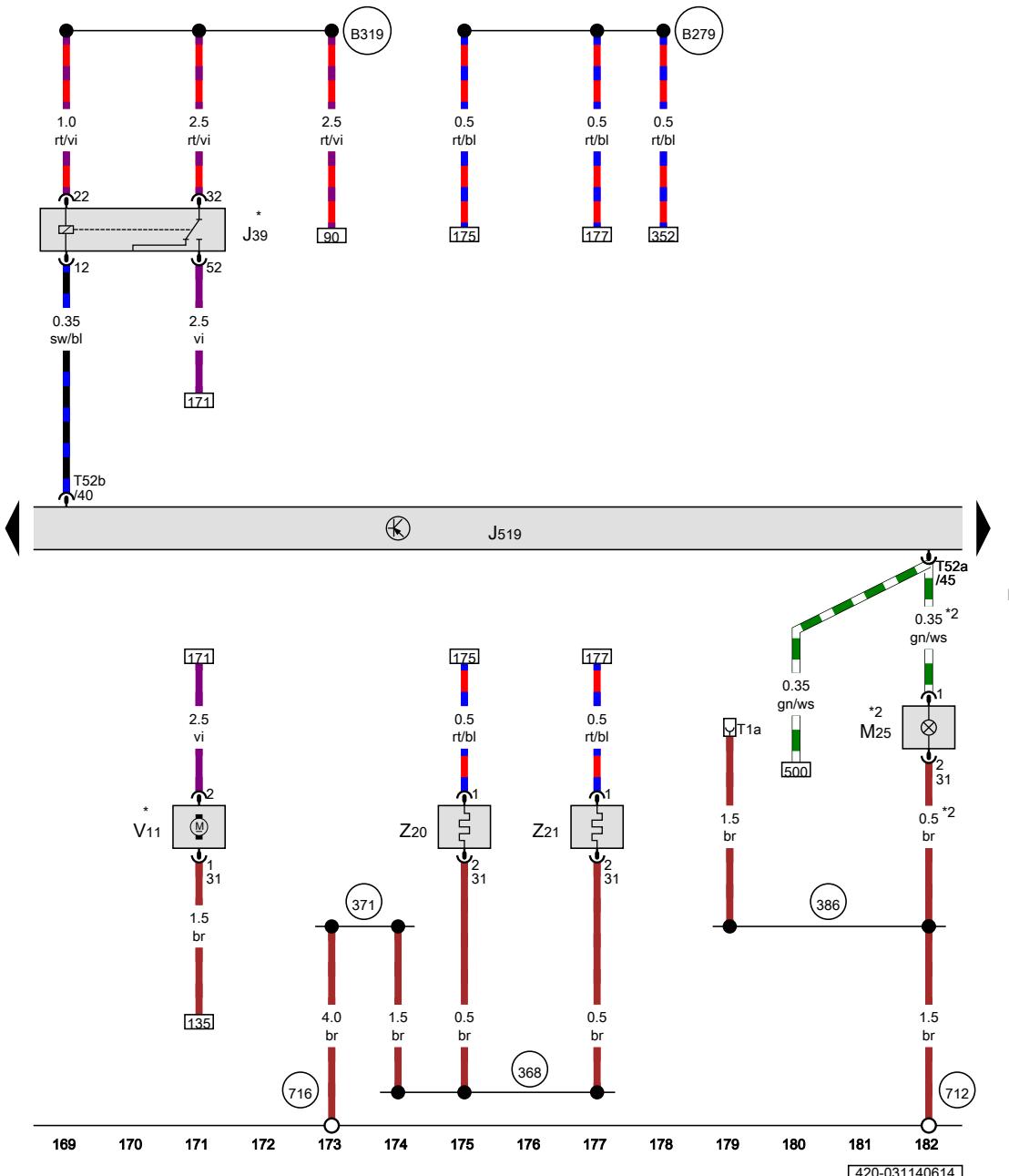
* Depending on equipment

*2 Only for vehicles with rain/light recognition sensor

*3 Only for vehicles without rain/light recognition sensor



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| gr | = grey |
| li | = lilac |
| vi | = lilac |
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Headlamp washer relay, Vehicle electrical control module system, High-mounted brake lamp bulb, Left washer nozzle heater

- J39 Headlamp washer relay, Relay carrier in the right front footwell
- J519 Vehicle electrical control module system
- M25 High-mounted brake lamp bulb
- T1a Single connector, on the left fuel tank
- T52a 52-pin connector
- T52b 52-pin connector
- V11 Headlamp washer pump
- Z20 Left washer nozzle heater
- Z21 Right washer nozzle heater
- 368 Ground connection 3 (in main wiring harness)
- 371 Ground connection 6 (in main wiring harness)
- 386 Ground connection 21 (in main wiring harness)
- 712 Ground connection under rear shelf, left
- 716 Ground connection on right crossmember

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- B279 Positive connection 3 (15a) (in main wiring harness)
- B319 Positive connection 5 (30a) (in main wiring harness)
- * Only for vehicles with a headlamp washer system
- *² Coupe

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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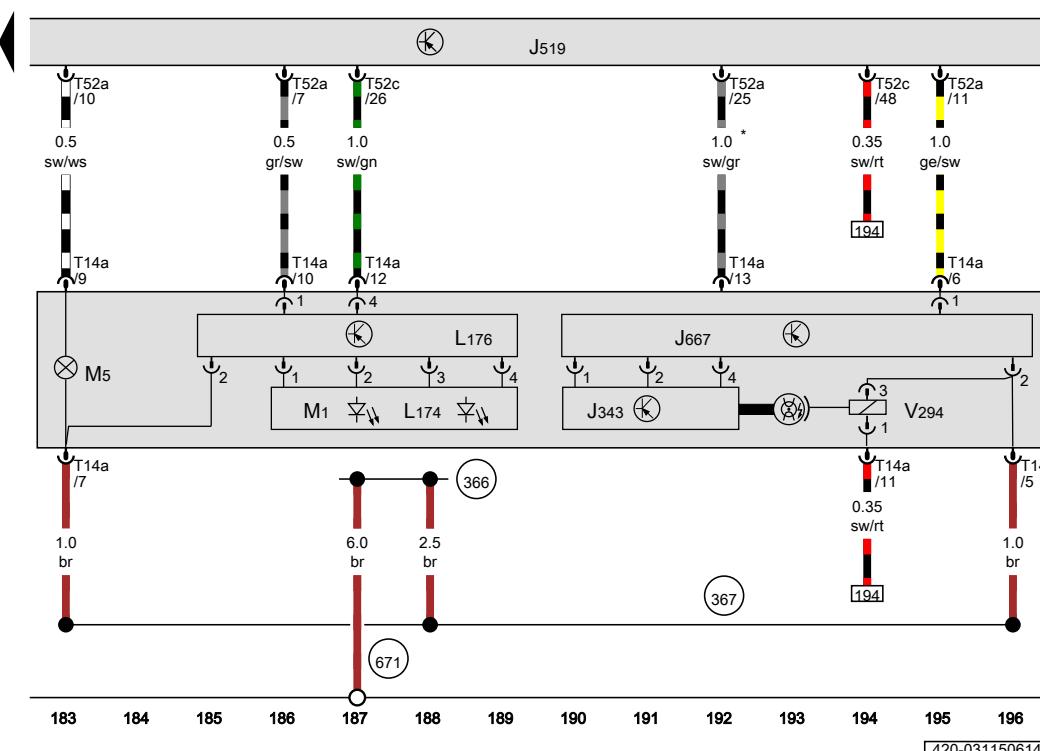
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Vehicle electrical control module system, Left headlamp power output stage

- J343 Left HID headlamp control module
- J519 Vehicle electrical control module system
- J667 Left headlamp power output stage, on the left headlamp
- L174 Left daytime running lamp bulb
- L176 Left daytime running lamp and position lamp LED module
- M1 Left position lamp bulb
- M5 Left front turn signal bulb
- T14a 14-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- V294 Left low beam headlamp reflector motor

(366) Ground connection 1 (in main wiring harness)

(367) Ground connection 2 (in main wiring harness)

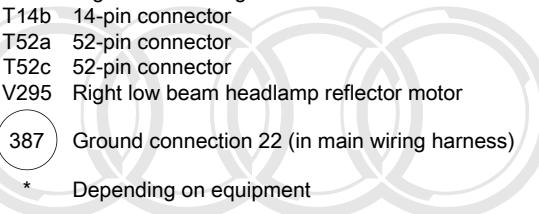
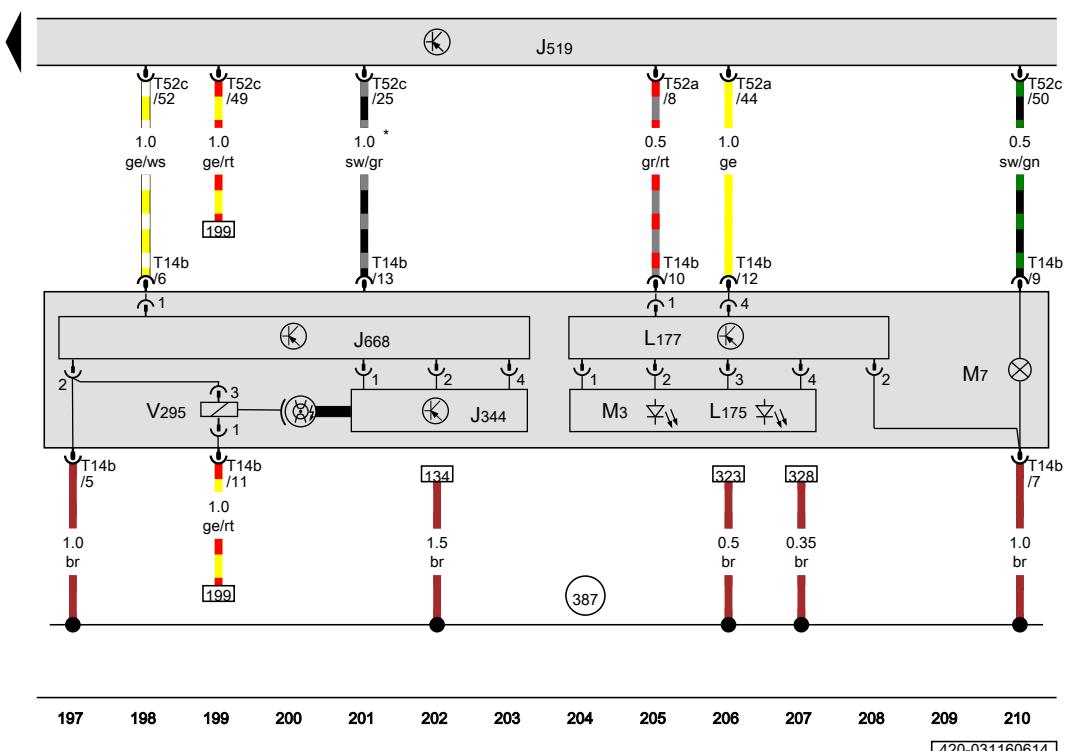
(671) Ground connection 1 on left front longitudinal member

* Depending on equipment

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| bl | = blue |
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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Vehicle electrical control module system, Right headlamp power output stage

- J344 Right HID headlamp control module
 J519 Vehicle electrical control module system
 J668 Right headlamp power output stage, on the right headlamp
 L175 Right daytime running lamp bulb
 L177 Right daytime running lamp and position lamp LED module
 M3 Right position lamp bulb
 M7 Right front turn signal bulb
 T14b 14-pin connector
 T52a 52-pin connector
 T52c 52-pin connector
 V295 Right low beam headlamp reflector motor
 387 Ground connection 22 (in main wiring harness)
 * Depending on equipment



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

Vehicle electrical control module system, Left brake/tail lamp bulb, Right brake/tail lamp bulb

J519 Vehicle electrical control module system

M6 Left rear turn signal bulb

M8 Right rear turn signal bulb

M9 Left brake lamp bulb

M10 Right brake lamp bulb

M16 Left back-up lamp bulb

M17 Right back-up lamp bulb

M21 Left brake/tail lamp bulb

M22 Right brake/tail lamp bulb

T6i 6-pin connector

T6k 6-pin connector

T52a 52-pin connector

T52c 52-pin connector

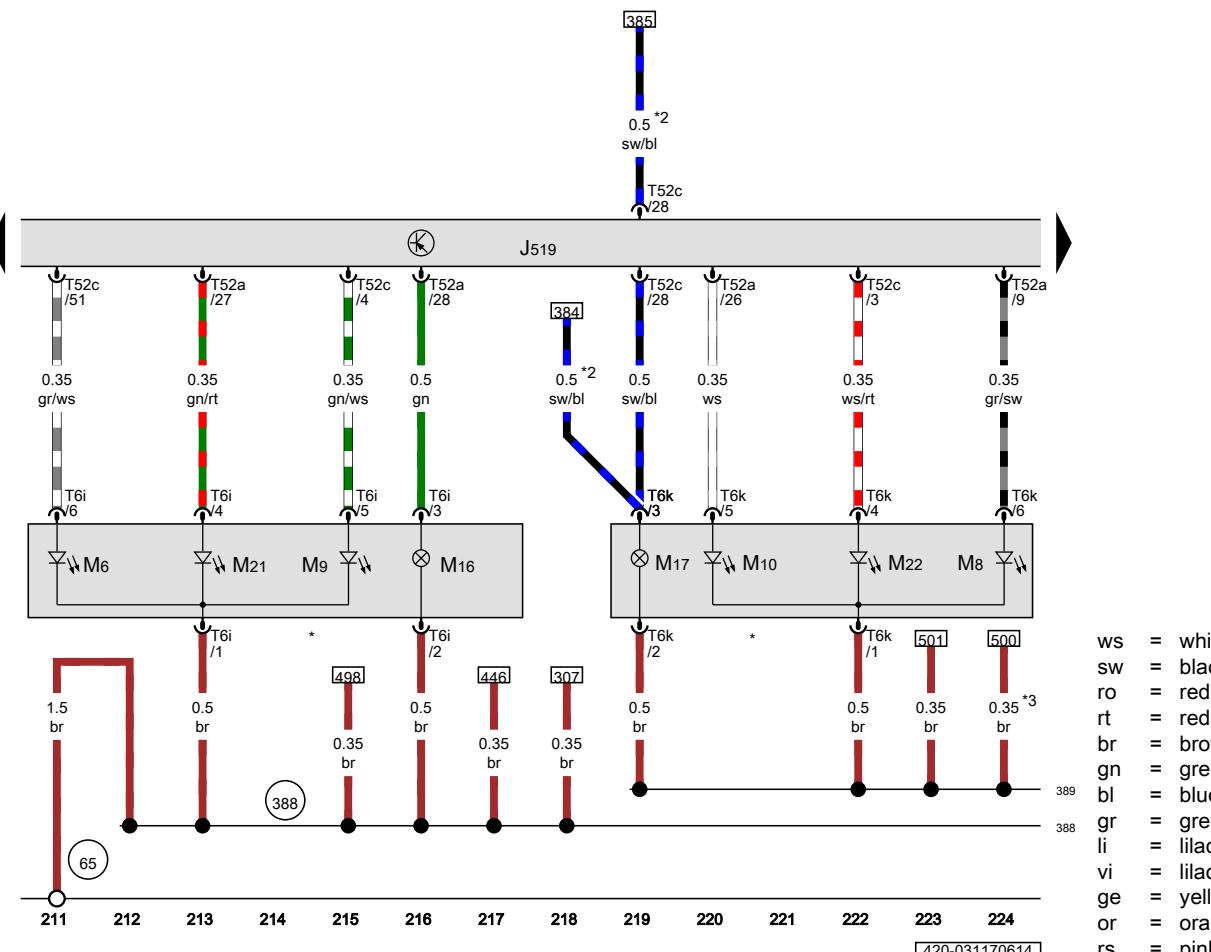
65 Ground connection on left rear longitudinal member

388 Ground connection 23 (in main wiring harness)

389 Ground connection 24 (in main wiring harness)

* Through May 2012

*² Only for vehicles with automatic dimming interior rearview mirror

*³ Through May 2010


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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 |



Vehicle electrical control module system, Right back-up lamp bulb, Right brake lamp/turn signal bulb, Left brake lamp/turn signal/tail lamp bulb

J519 Vehicle electrical control module system
M16 Left back-up lamp bulb
M17 Right back-up lamp bulb
M56 Left brake lamp/turn signal bulb
M57 Right brake lamp/turn signal bulb
M69 Left brake lamp/turn signal/tail lamp bulb
M70 Right brake lamp/turn signal/tail lamp bulb
T6i 6-pin connector
T6k 6-pin connector
T52a 52-pin connector
T52c 52-pin connector

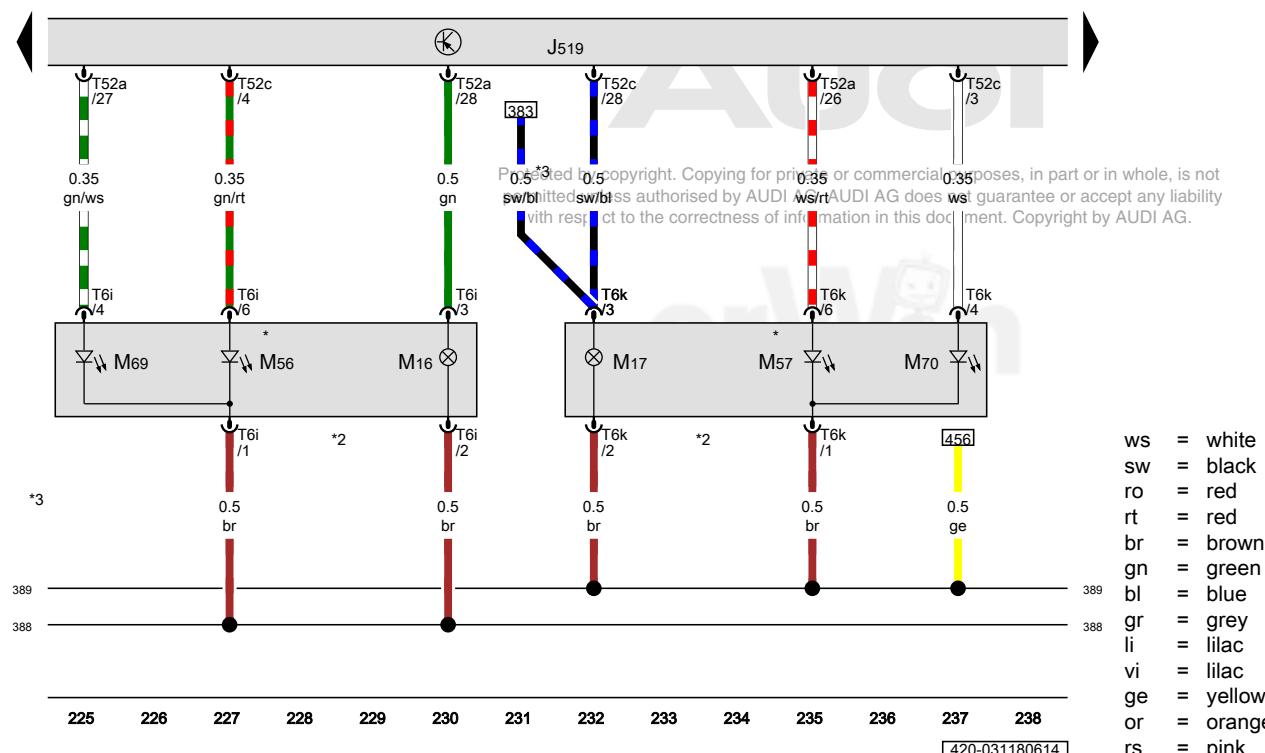
388 Ground connection 23 (in main wiring harness)

389 Ground connection 24 (in main wiring harness)

* Only for vehicles with US equipment

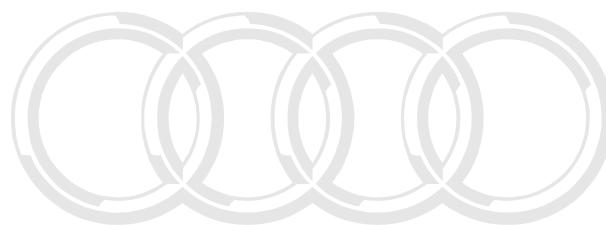
*2 Through May 2012

*3 Only for vehicles with automatic dimming interior rearview mirror



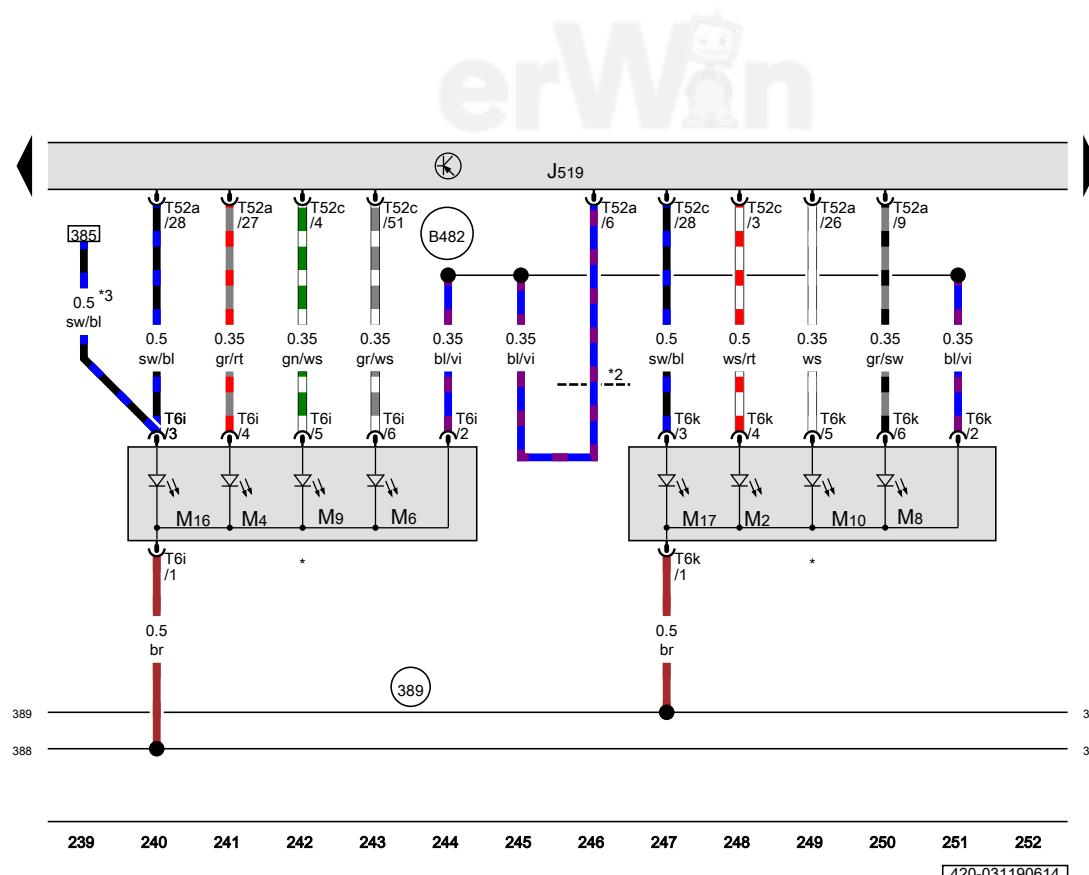
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ro = red
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br = brown
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li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Vehicle electrical control module system, Right tail lamp bulb, Left tail lamp bulb

- J519 Vehicle electrical control module system
 - M2 Right tail lamp bulb
 - M4 Left tail lamp bulb
 - M6 Left rear turn signal bulb
 - M8 Right rear turn signal bulb
 - M9 Left brake lamp bulb
 - M10 Right brake lamp bulb
 - M16 Left back-up lamp bulb
 - M17 Right back-up lamp bulb
 - T6i 6-pin connector
 - T6k 6-pin connector
 - T52a 52-pin connector
 - T52c 52-pin connector
 - 388 Ground connection 23 (in main wiring harness)
 - 389 Ground connection 24 (in main wiring harness)
 - B482 Connection 18 (in main wiring harness)
- * from June 2012
 *2 Magnetic core
 *3 Only for vehicles with automatic dimming interior rearview mirror

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

Vehicle electrical control module system, Right brake lamp/
turn signal bulb

J519 Vehicle electrical control module system

M2 Right tail lamp bulb

M4 Left tail lamp bulb

M16 Left back-up lamp bulb

M17 Right back-up lamp bulb

M56 Left brake lamp/turn signal bulb

M57 Right brake lamp/turn signal bulb

T6i 6-pin connector

T6k 6-pin connector

T52a 52-pin connector

T52c 52-pin connector

66 Ground connection on right rear longitudinal member

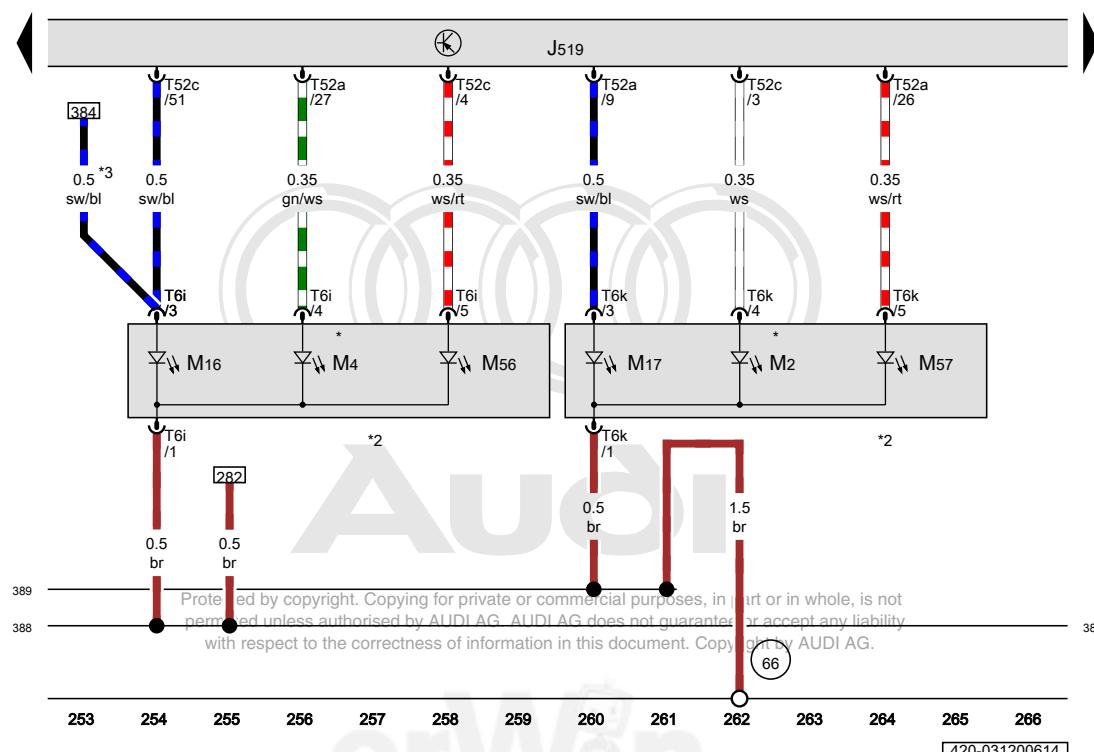
388 Ground connection 23 (in main wiring harness)

389 Ground connection 24 (in main wiring harness)

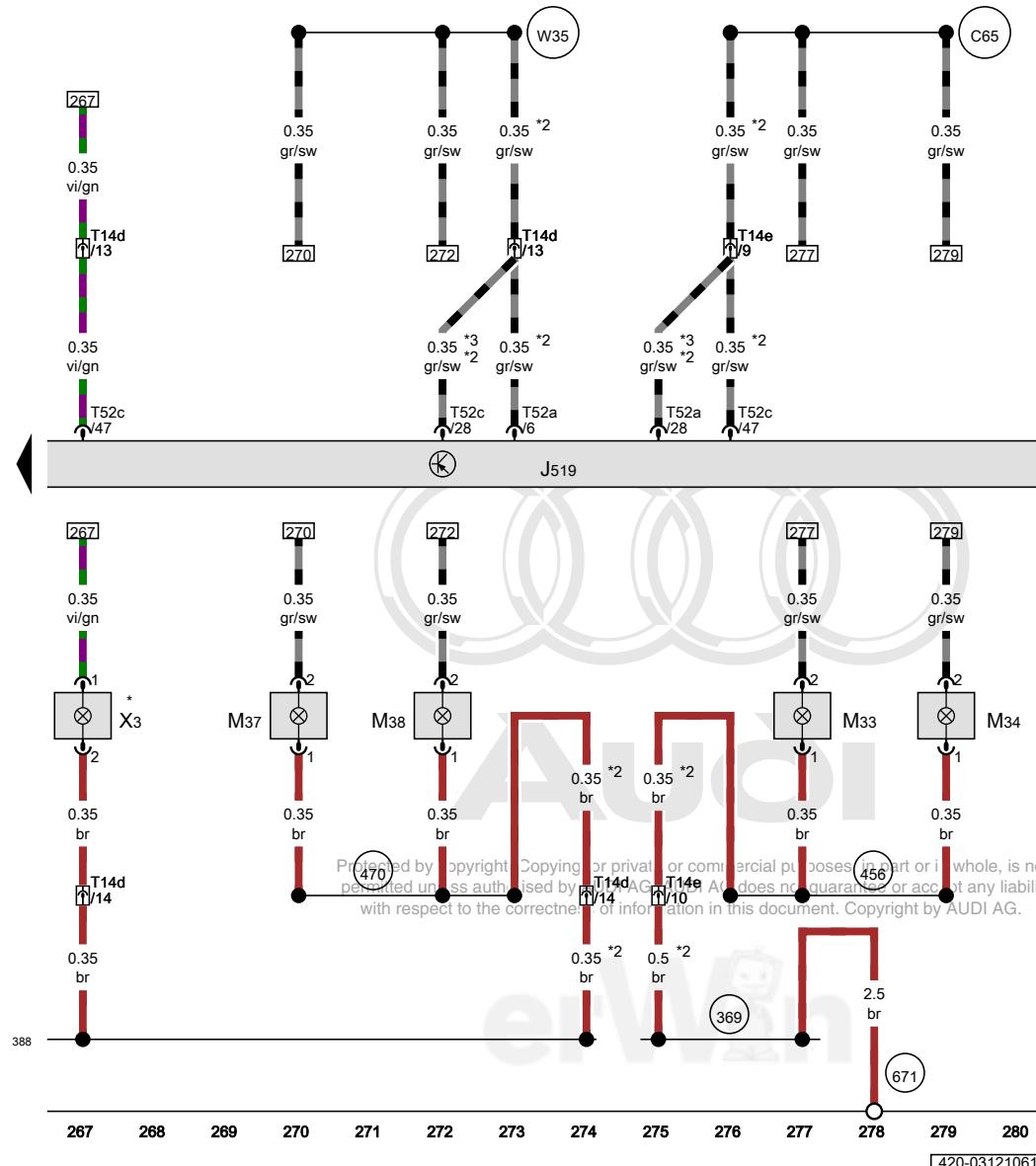
* Only for vehicles with US equipment

*2 from June 2012

*3 Only for vehicles with automatic dimming interior rearview mirror



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



Vehicle electrical control module system, Left front side marker lamp bulb, Left rear side marker lamp bulb, Rear fog lamp

J519 Vehicle electrical control module system
M33 Left front side marker lamp bulb
M34 Right front side marker lamp bulb
M37 Left rear side marker lamp bulb
M38 Right rear side marker lamp bulb
T14d 14-pin connector, behind the left rear bumper
T14e 14-pin connector, behind the bumper, left front
T52a 52-pin connector
T52c 52-pin connector
X3 Rear fog lamp

369 Ground connection 4 (in main wiring harness)

388 Ground connection 23 (in main wiring harness)

456 Ground connection 1 (in front bumper wiring harness)

470 Ground connection 1 (in rear bumper wiring harness)

671 Ground connection 1 on left front longitudinal member

C65 Side marker lamp positive connection 1

W35 Side marker lamp connection (in rear wiring harness)

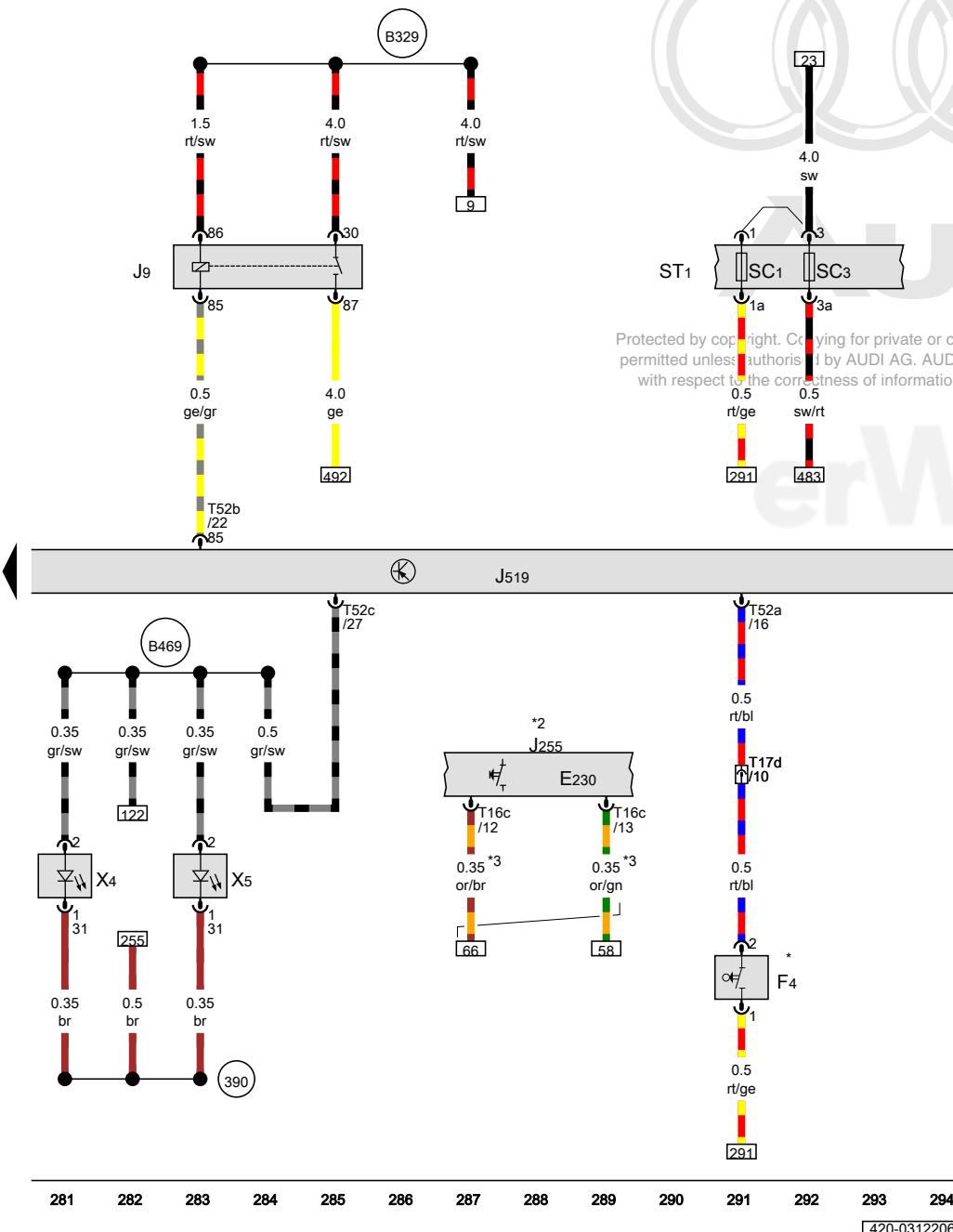
* Only for vehicles without US equipment

*2 Only for vehicles with US equipment

*3 from June 2012

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

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

Back-up lamp switch, Rear window defogger relay, Vehicle electrical control module system, Left license plate lamp, Right license plate lamp

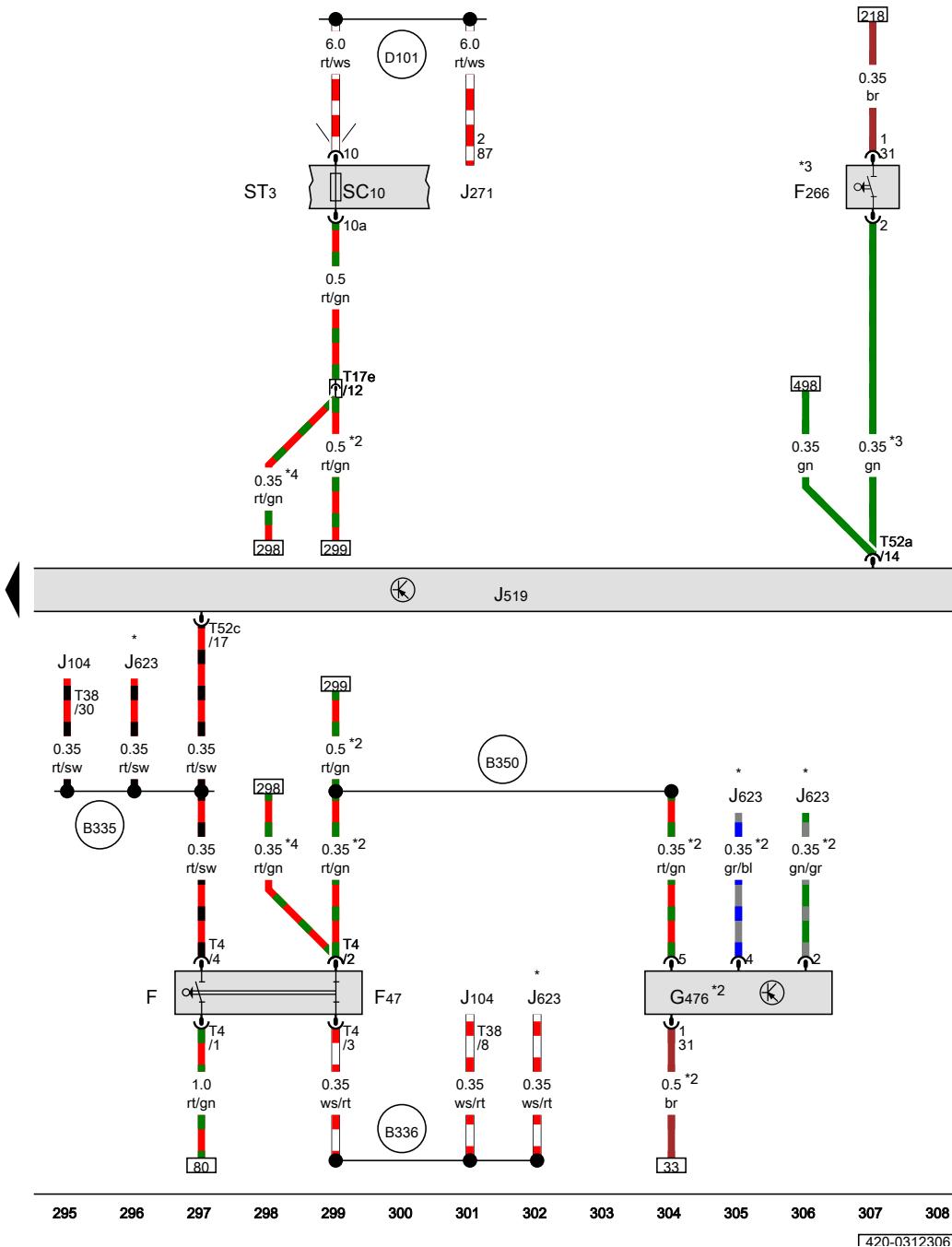
- E230 Rear window defogger button
F4 Back-up lamp switch
J9 Rear window defogger relay, Relay carrier in the right front footwell
J255 Climatronic control module
J519 Vehicle electrical control module system
ST1 Fuse panel 1
SC1 Fuse 1 (on fuse panel C)
SC3 Fuse 3 (on fuse panel C)
T16c 16-pin connector
T17d 17-pin connector, Connector station under the rear shelf, right
T52a 52-pin connector
T52b 52-pin connector
T52c 52-pin connector
X4 Left license plate lamp
X5 Right license plate lamp

(390) Ground connection 25 (in main wiring harness)

(B329) Positive connection 15 (30a) (in main wiring harness)

(B469) Connection 5 (in main wiring harness)

* Only for vehicles with a manual transmission
*2 Rear window defogger activation via CAN bus
*3 Data bus wire (CAN bus)



Brake lamp switch, Brake pedal switch, Engine hood contact switch, Clutch position sensor, Vehicle electrical control module system

- F Brake lamp switch
- F47 Brake pedal switch
- F266 Engine hood contact switch
- G476 Clutch position sensor
- J104 ABS control module
- J271 Motronic engine control module power supply relay, 9-pin relay and fuse panel C under the rear shelf, right
- J519 Vehicle electrical control module system
- J623 Engine control module
- ST3 Fuse panel 3
- SC10 Fuse 10 (on fuse panel C)
- T4 4-pin connector
- T17e 17-pin connector, Connector station under the rear shelf, right
- T38 38-pin connector
- T52a 52-pin connector
- T52c 52-pin connector
- (B335) Connection 54 (in main wiring harness) 1

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

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

- * Refer to applicable engine wiring diagram
- *² Only for vehicles with a manual transmission
- *³ Coupe
- *⁴ Only for vehicles with automated manual transmission (R tronic) 086

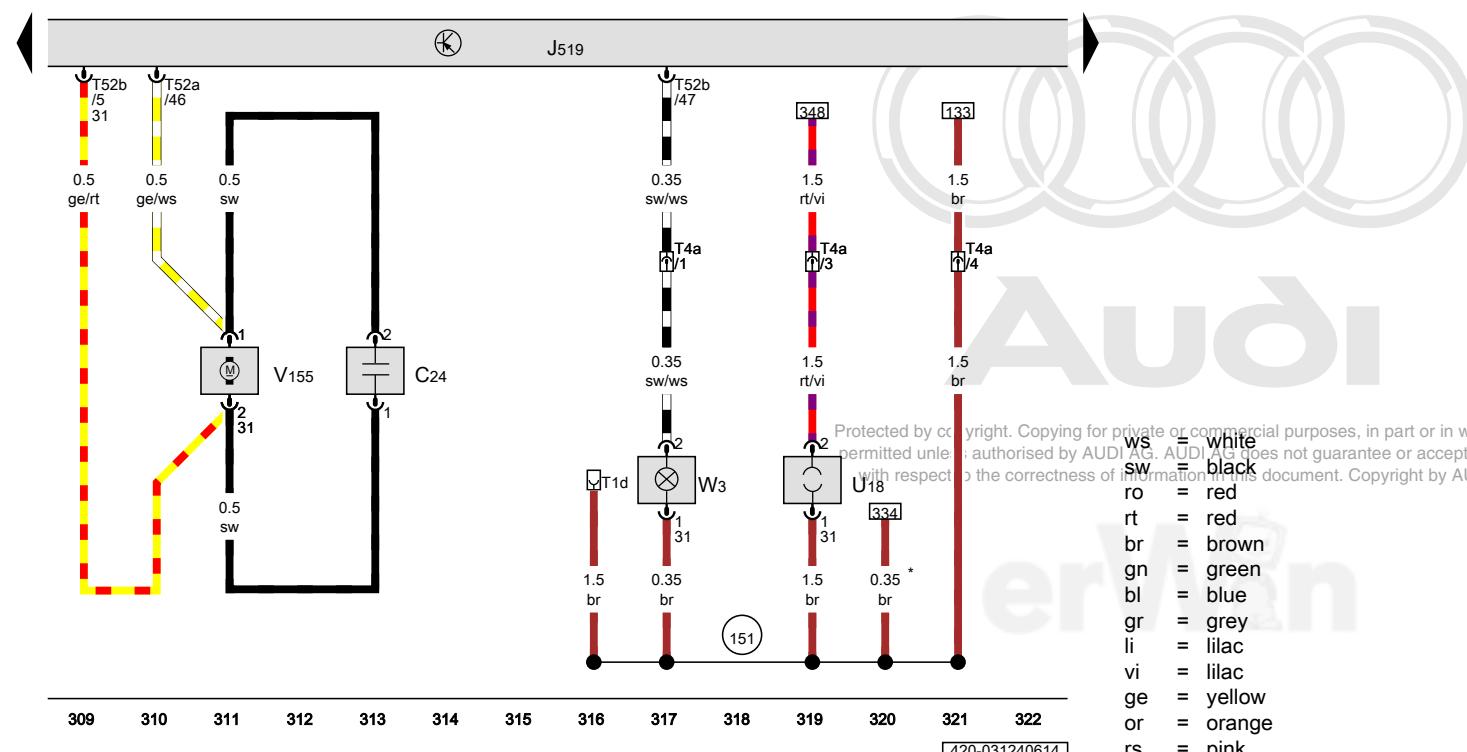
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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

**Vehicle electrical control module system, 12 V socket 2,
Fuel filler door unlock motor, Luggage compartment lamp**

- C24 Suppressor
- J519 Vehicle electrical control module system
- T1d Single connector, in the luggage compartment
- T4a 4-pin connector, in the luggage compartment, right
- T52a 52-pin connector
- T52b 52-pin connector
- U18 12 V socket 2
- V155 Fuel filler door unlock motor
- W3 Luggage compartment lamp

(151) Ground connection 1 (in front wiring harness)

* USA only



309 310 311 312 313 314 315 316 317 318 319 320 321 322

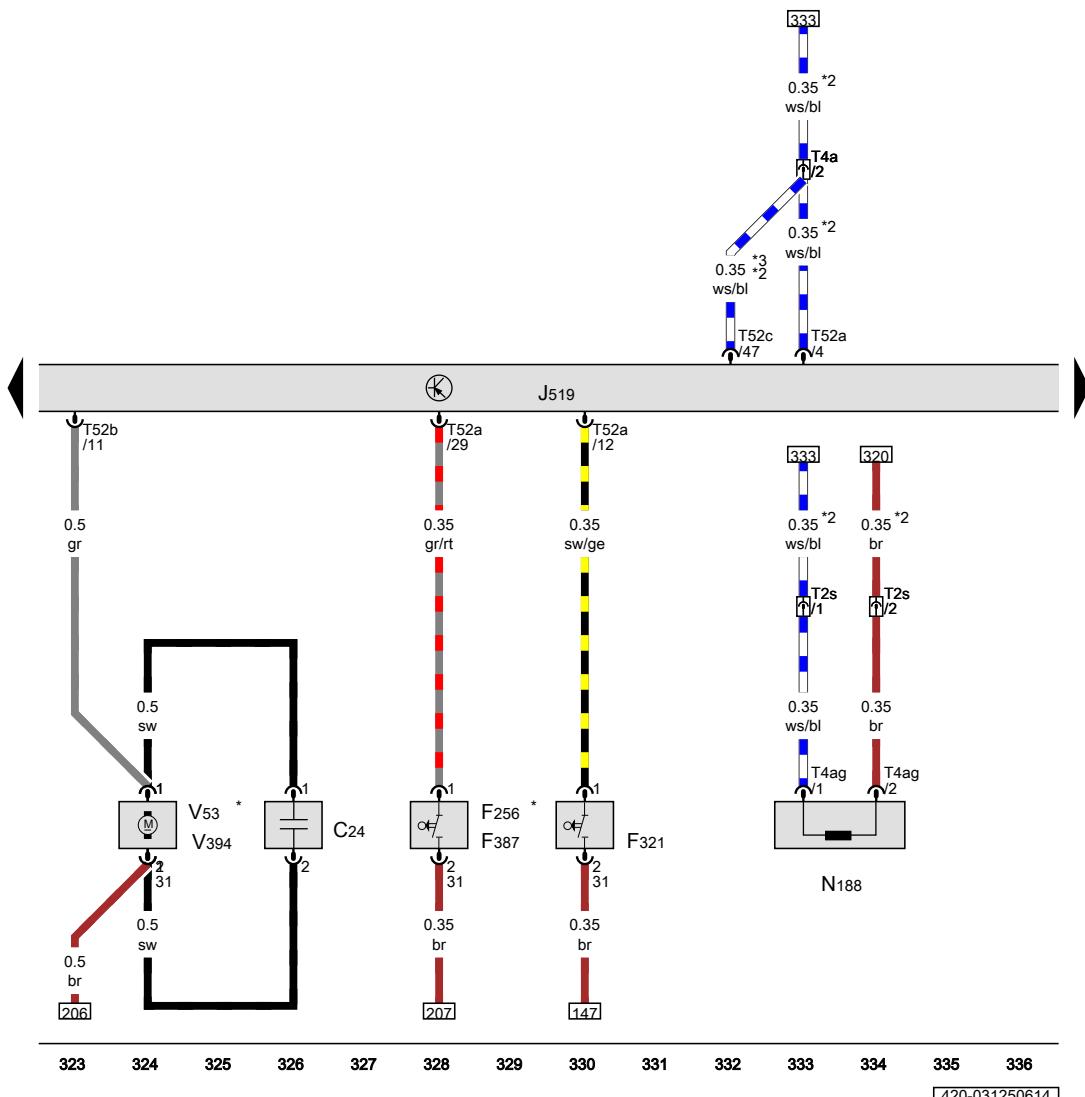
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Rear lid lock unit, Parking brake contact switch, Hood contact switch, Vehicle electrical control module system, Luggage compartment release solenoid, Rear lid central locking system motor, Hood release motor

- C24 Suppressor
- F256 Rear lid lock unit
- F321 Parking brake contact switch
- F387 Hood contact switch
- J519 Vehicle electrical control module system
- N188 Luggage compartment release solenoid
- T2s Double connector
- T4a 4-pin connector, in the luggage compartment, right
- T4ag 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V53 Rear lid central locking system motor

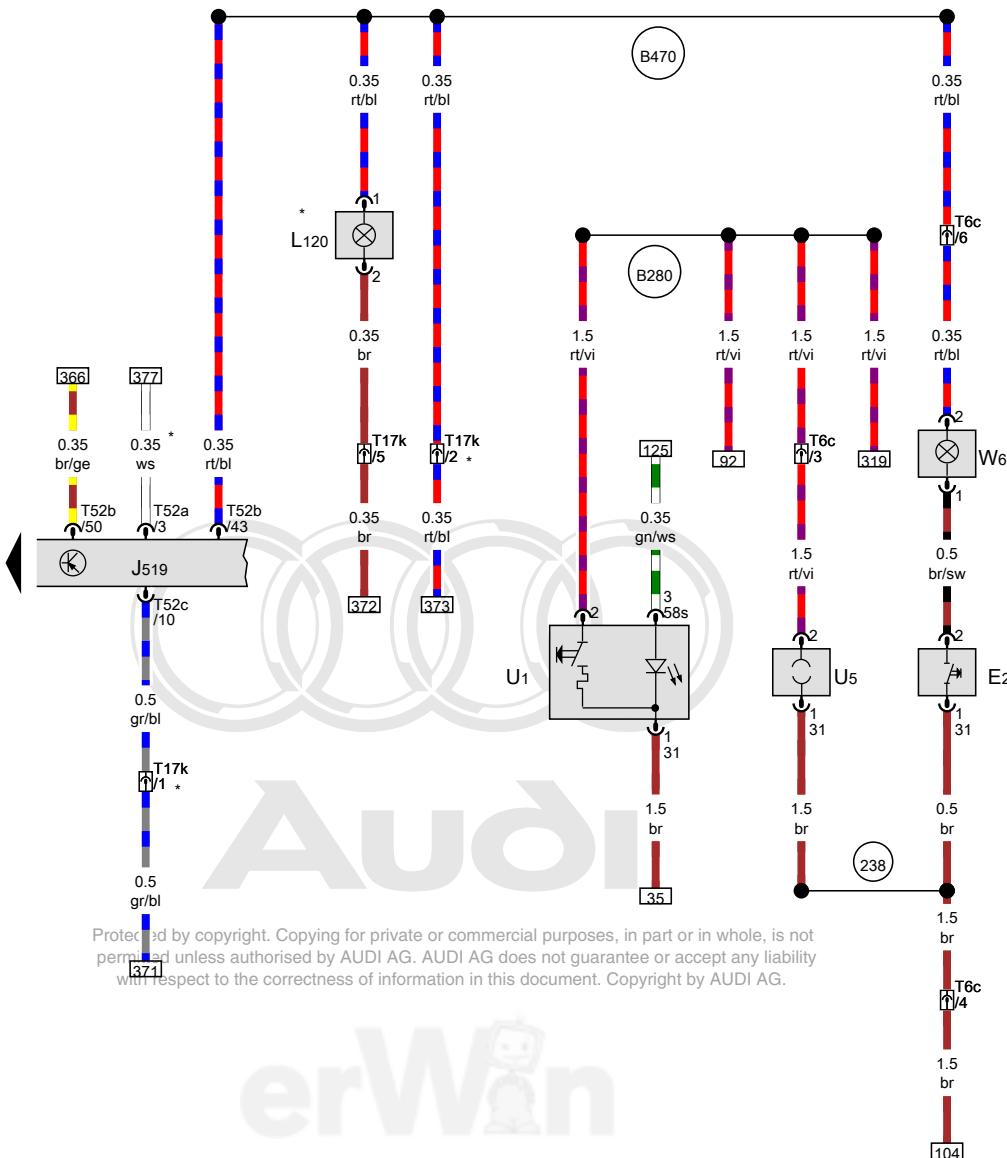
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*2 from June 2012
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| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

420-0312506141



Glove compartment lamp switch, Vehicle electrical control module system, Storage compartment illumination bulb, Cigarette lighter, Power socket 12V, Glove compartment lamp

E26 Glove compartment lamp switch
J519 Vehicle electrical control module system
L120 Storage compartment illumination bulb
T6c 6-pin connector, behind the glove compartment
T17k 17-pin connector, on the left A-pillar

T52a 52-pin connector
T52b 52-pin connector
T52c 52-pin connector
U1 Cigarette lighter
U5 Power socket 12V
W6 Glove compartment lamp

(238) Ground connection 1 (in interior wiring harness)

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

(B470) Connection 6 (in main wiring harness)

* Depending on equipment

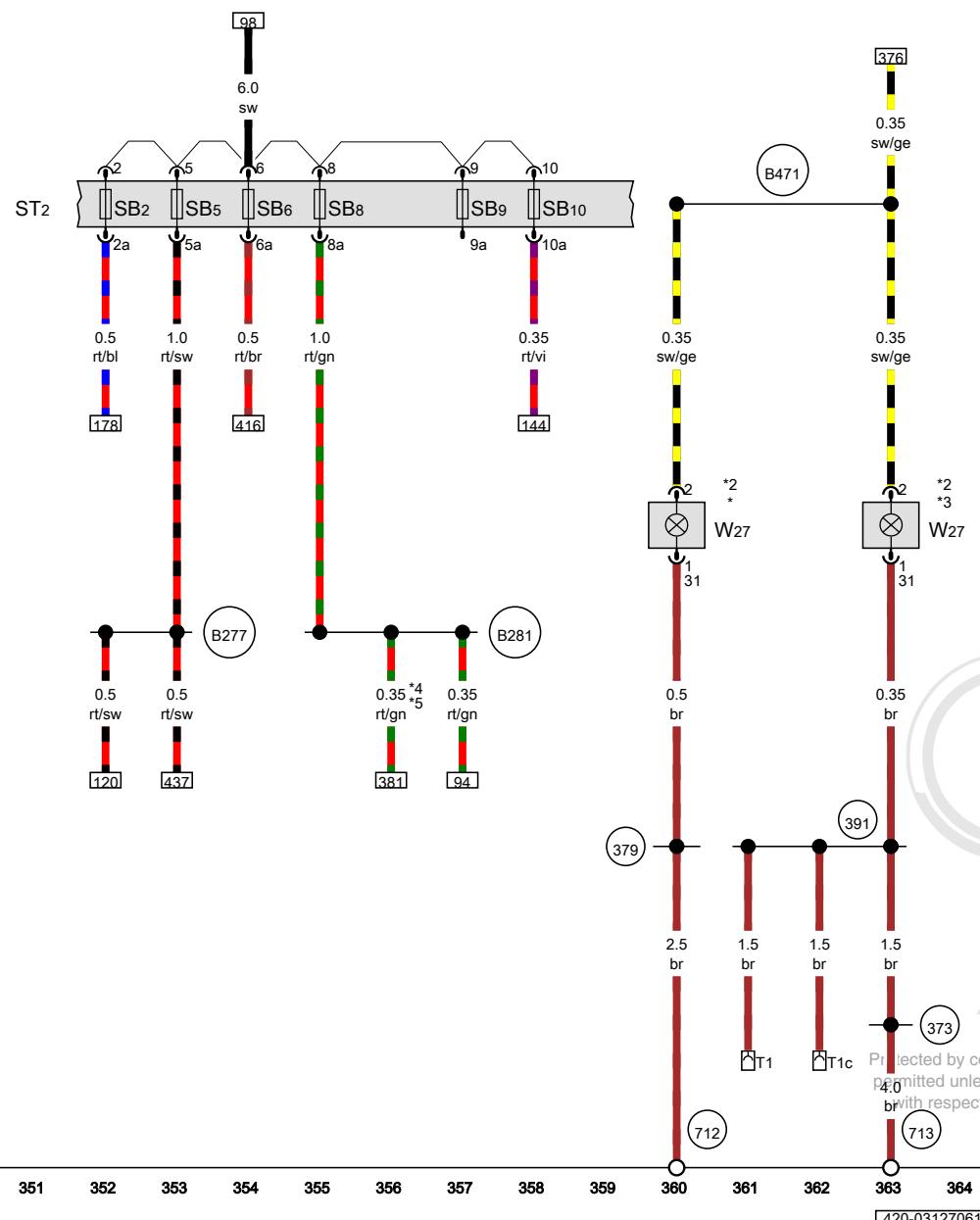
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| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

337 338 339 340 341 342 343 344 345 346 347 348 349 350

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Engine compartment lamp



SB2 Fuse 2 (on fuse panel B)

ST2 Fuse panel 2

SB5 Fuse 5 (on fuse panel B)

SB6 Fuse 6 (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)

T1 Single connector, on the fuel tank filler neck

T1c Single connector, on the right fuel tank

W27 Engine compartment lamp

373 Ground connection 8 (in main wiring harness)

379 Ground connection 14 (in main wiring harness)

391 Ground connection 26 (in main wiring harness)

712 Ground connection under rear shelf, left

713 Ground connection under rear shelf, right

B277 Positive connection 1 (15a) (in main wiring harness)

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

B471 Connection 7 (in main wiring harness)

* Left

*2 Only for vehicles with engine compartment lamp

*3 Right

*4 Only for vehicles with automatic dimming interior rearview mirror

*5 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

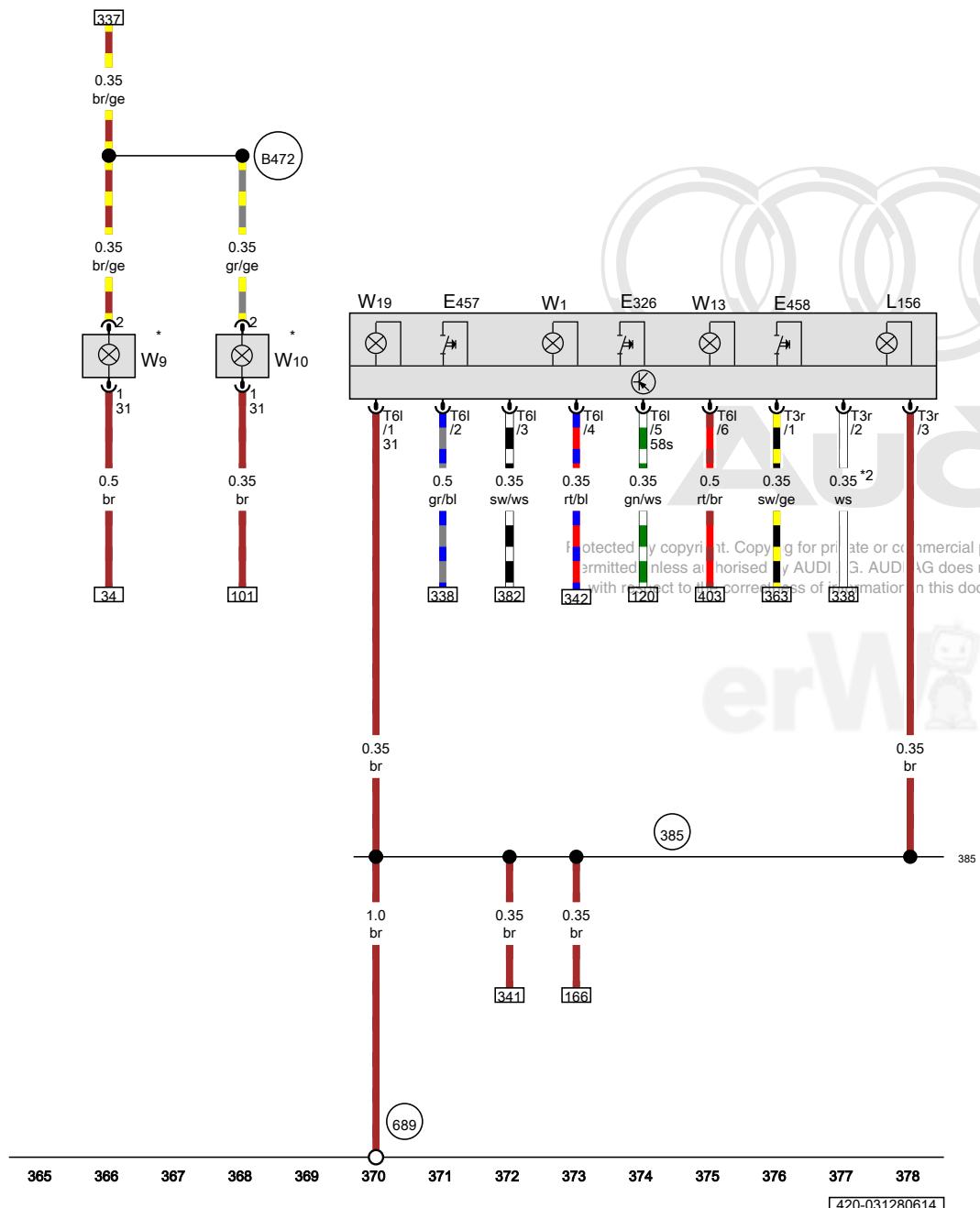
or = orange

rs = pink

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

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Front interior lamp, Left footwell lamp, Right footwell lamp

- E326 Front interior lamp button
 - E457 Driver reading lamp button
 - E458 Front passenger reading lamp button
 - L156 Switch illumination bulb
 - T3r 3-pin connector
 - T6l 6-pin connector
 - W1 Front interior lamp
 - W9 Left footwell lamp
 - W10 Right footwell lamp
 - W13 Front passenger reading lamp
 - W19 Driver reading lamp

385 Ground connection 20 (in main wiring harness)

689 Ground connection on roof, center front

B472 Connection 8 (in main wiring harness)

* Only for vehicles with footwell lamp

*2 Depending on equipment

* Only for vehicles with footwell lamp
*2 Depending on equipment

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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
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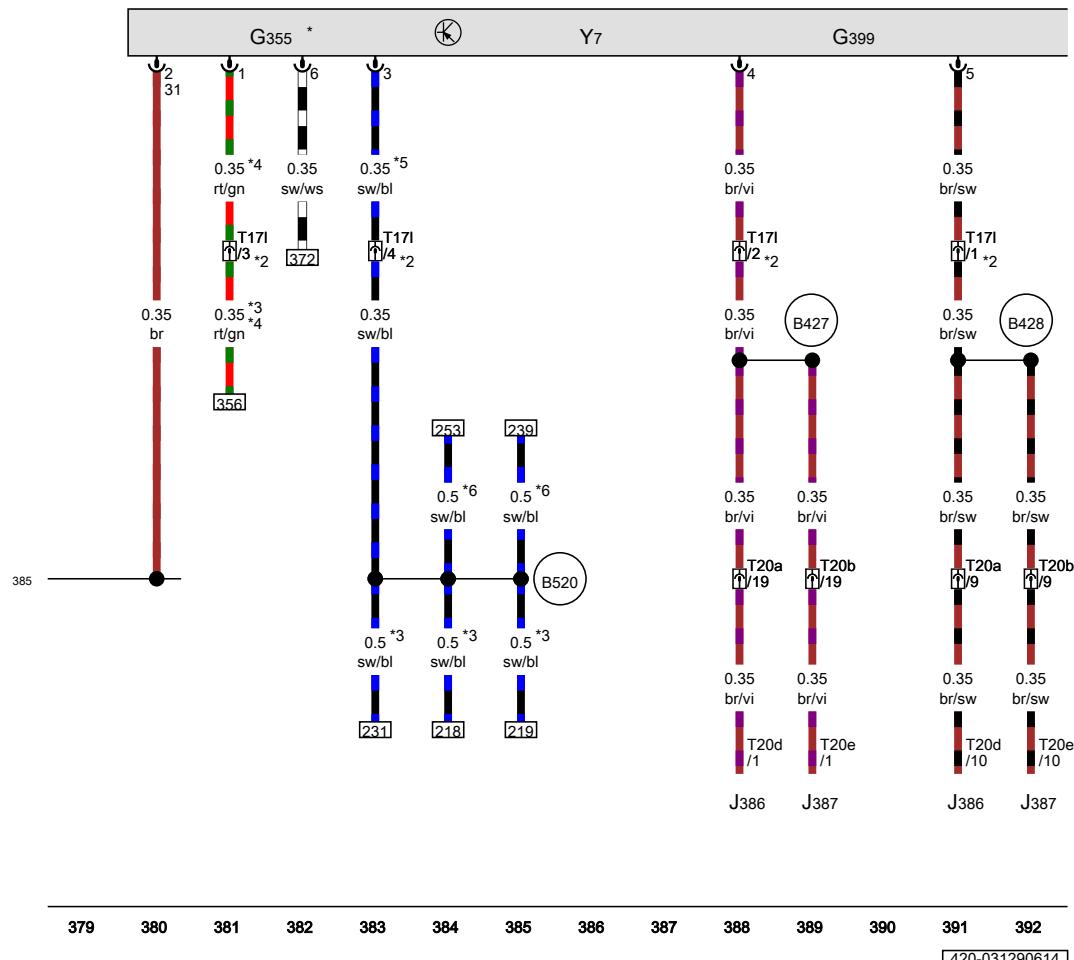
Humidity sensor, Light recognition sensor, Automatic dimming interior rearview mirror

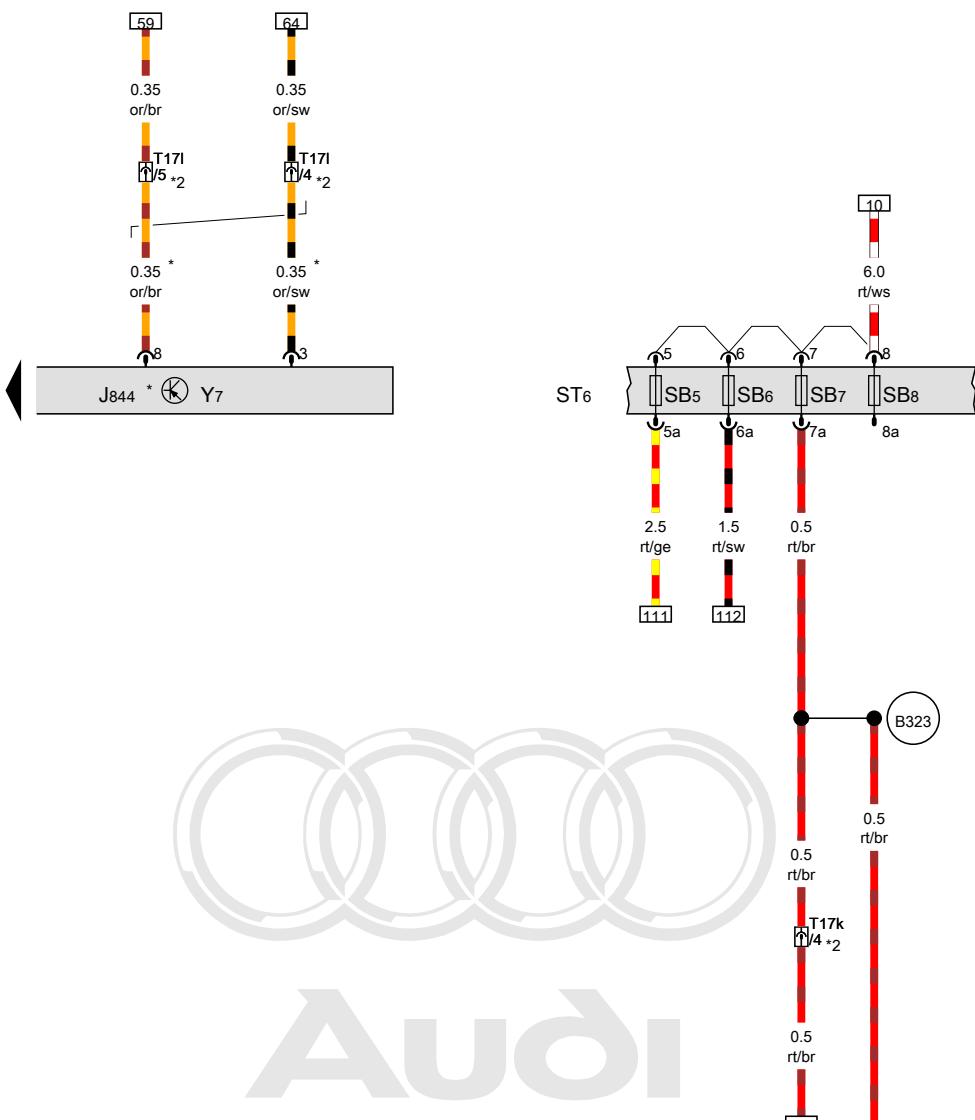
G355 Humidity sensor
 G399 Light recognition sensor
 J386 Driver door control module
 J387 Front passenger door control module
 T17I 17-pin connector, on the left A-pillar
 T20a 20-pin connector, on the left A-pillar
 T20b 20-pin connector, on the right A-pillar
 T20d 20-pin connector
 T20e 20-pin connector
 Y7 Automatic dimming interior rearview mirror

- (385) Ground connection 20 (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)

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- * Only for vehicles with a humidity sensor
- *2 Depending on equipment
- *3 Only for vehicles with automatic dimming interior rearview mirror
- *4 The color of the wires depends on vehicle equipment
- *5 Only for vehicles without high beam assist
- *6 Only for vehicles with automatic dimming interior rearview mirror





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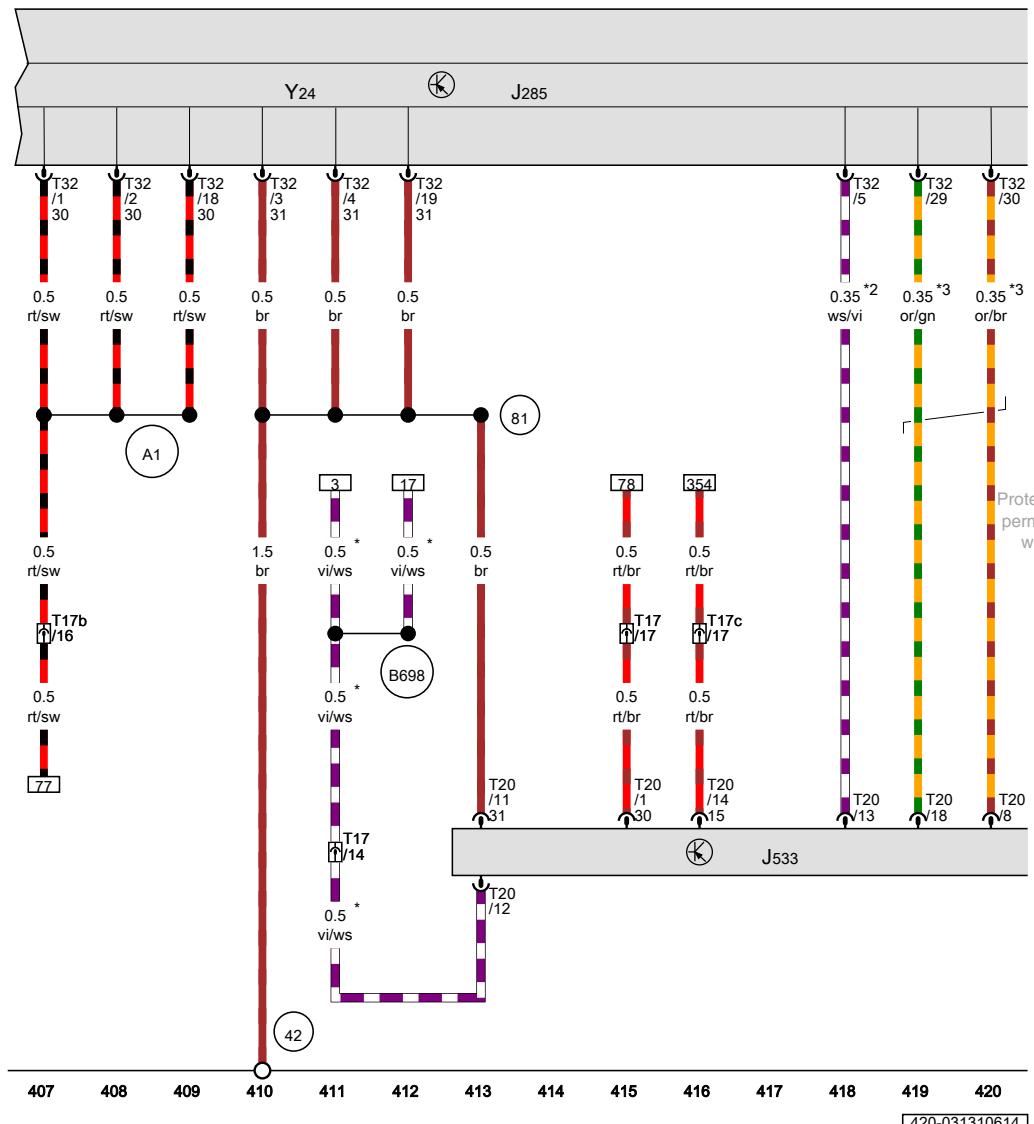
Automatic high beam assist control module, Automatic dimming interior rearview mirror

- H12 Alarm horn
 - J844 Automatic high beam assist control module
 - SB5 Fuse 5 (on fuse panel B)
 - ST6 Fuse panel 6
 - SB6 Fuse 6 (on fuse panel B)
 - SB7 Fuse 7 (on fuse panel B)
 - SB8 Fuse 8 (on fuse panel B)
 - T17k 17-pin connector, on the left A-pillar
 - T17I 17-pin connector, on the left A-pillar
 - Y7 Automatic dimming interior rearview mirror
 - (B323) Positive connection 9 (30a) (in main wiring harness)
- * Only for vehicles with high beam assist
 *2 Depending on equipment
 *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

Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
J533 Data bus on board diagnostic interface
T17 17-pin connector, Inside the center console connector station on the right side
T17b 17-pin connector, Inside the center console connector station on the right side
T17c 17-pin connector, Inside the center console connector station on the right side
T20 20-pin connector
T32 32-pin connector
Y24 Display unit in instrument cluster
- (42) Ground connection near steering column
 - (81) Ground connection 1 (in instrument panel wiring harness)
 - (A1) Positive connection (30a) (in instrument panel wiring harness)
 - (B698) LIN bus connection 3 (in main wiring harness)
- * from June 2010
*2 Prompt wire
*3 Data bus wire (CAN bus)



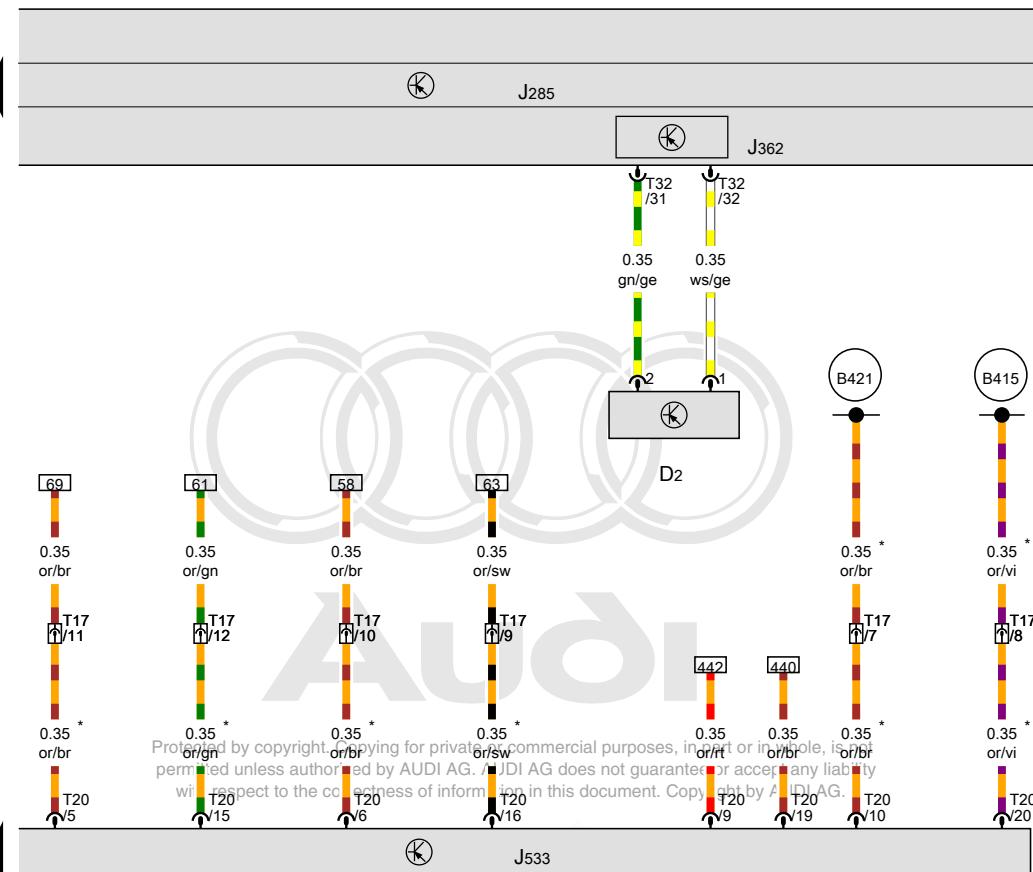
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Anti-theft immobilizer reader coil, Instrument cluster control module, Data bus on board diagnostic interface

- D2 Anti-theft immobilizer reader coil
- J285 Instrument cluster control module
- J362 Anti-theft immobilizer control module
- J533 Data bus on board diagnostic interface
- T17 17-pin connector, Inside the center console connector station on the right side
- T20 20-pin connector
- T32 32-pin connector
- (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
- (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)



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

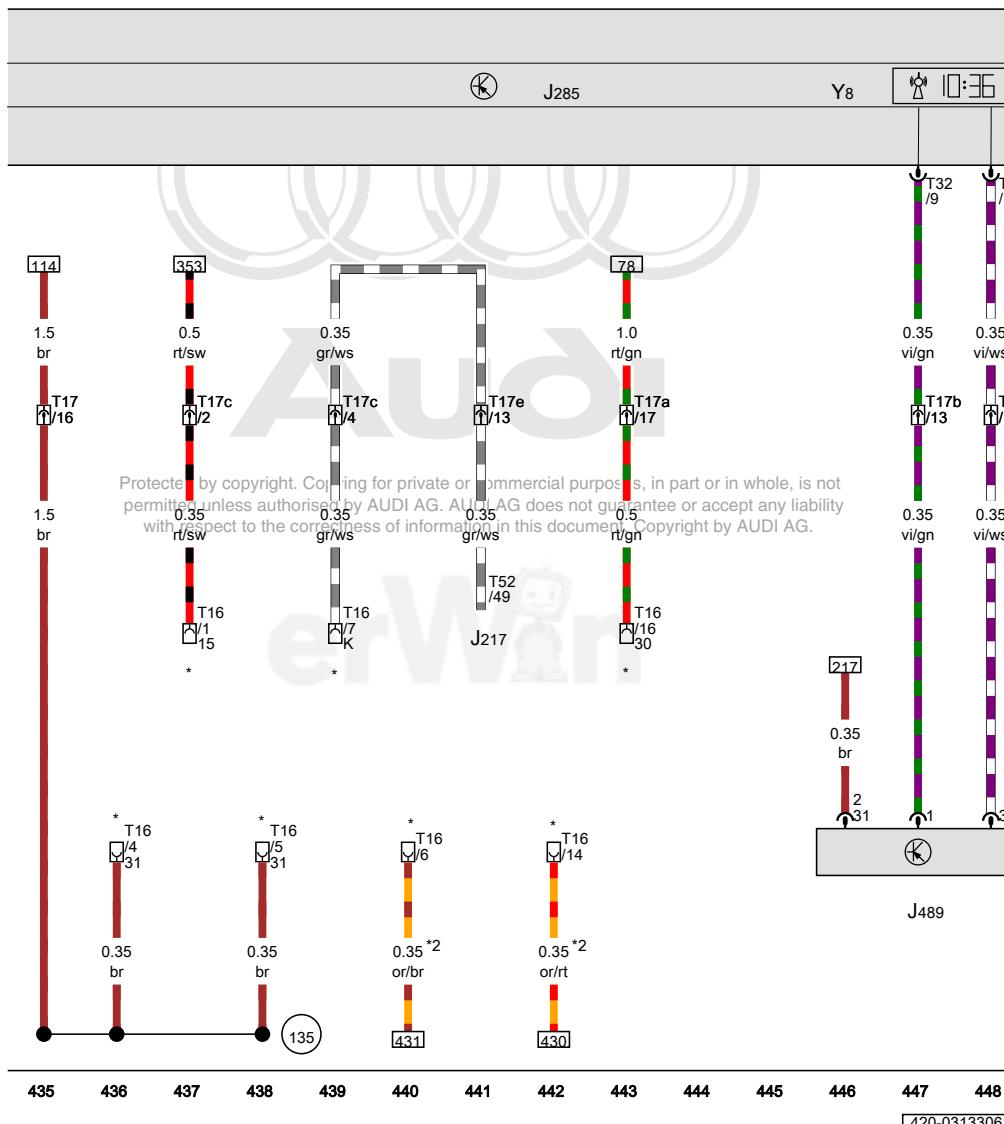
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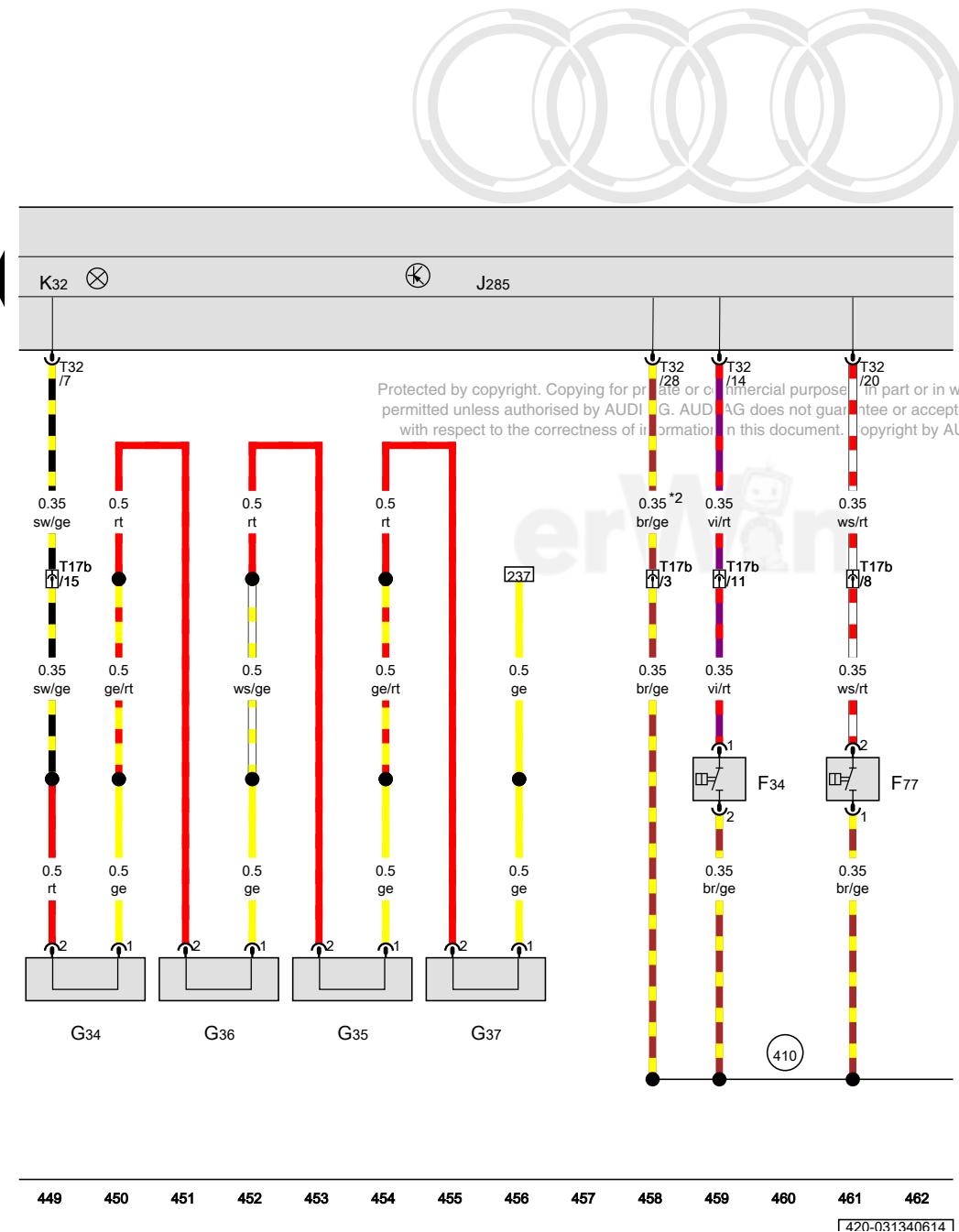
Instrument cluster control module, Radio frequency controlled clock receiver

- J217 Transmission control module
 J285 Instrument cluster control module
 J489 Radio frequency controlled clock receiver
 T16 16-pin connector, under the instrument panel, left
 T17 17-pin connector, Inside the center console connector station on the right side
 T17a 17-pin connector, Inside the center console connector station on the right side
 T17b 17-pin connector, Inside the center console connector station on the right side
 T17c 17-pin connector, Inside the center console connector station on the right side
 T17e 17-pin connector, Inside the center console connector station on the right side
 T217 17-pin connector, Connector station under the rear shelf, right
 T32 32-pin connector
 T52 52-pin connector
 Y8 Radio frequency controlled clock
 135 Ground connection 2 (in instrument panel wiring harness)
 * Diagnostic connector
 *2 Data bus wire (CAN bus)

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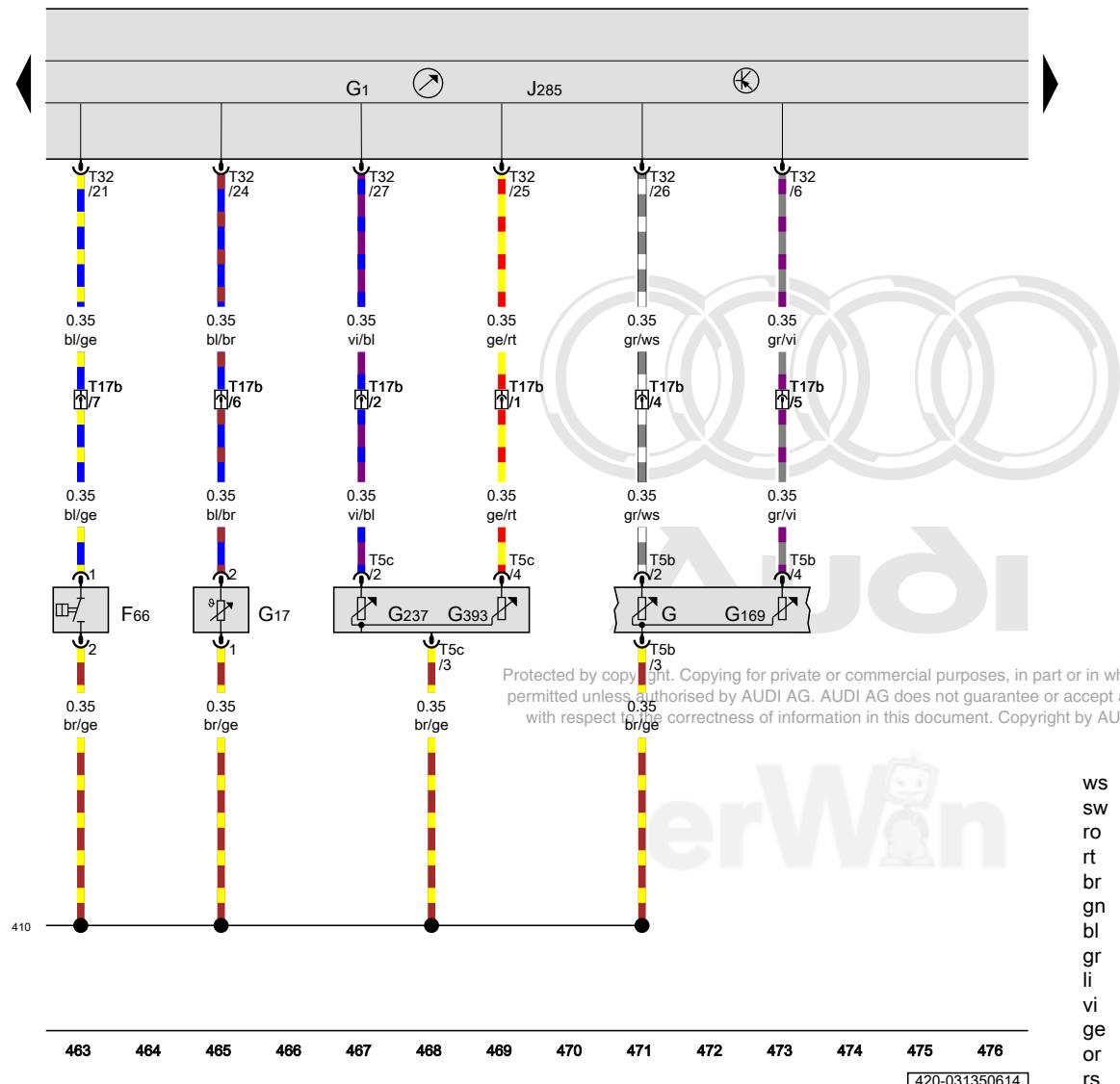
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Brake fluid level warning switch, Windshield washer fluid level warning switch, Left front brake pad wear sensor, Right front brake pad wear sensor, Instrument cluster control module, Brake pad wear indicator lamp

- F34 Brake fluid level warning switch
- F77 Windshield washer fluid level warning switch
- G34 Left front brake pad wear sensor
- G35 Right front brake pad wear sensor
- G36 Left rear brake pad wear sensor
- G37 Right rear brake pad wear sensor
- J285 Instrument cluster control module
- K32 Brake pad wear indicator lamp
- T17b 17-pin connector, Inside the center console connector station on the right side
- T32 32-pin connector
- 410 Sensor ground connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)
- *2 Sensor ground output

Engine coolant level warning switch, Fuel level sensor, Fuel gauge, Outside air temperature sensor, Instrument cluster control module



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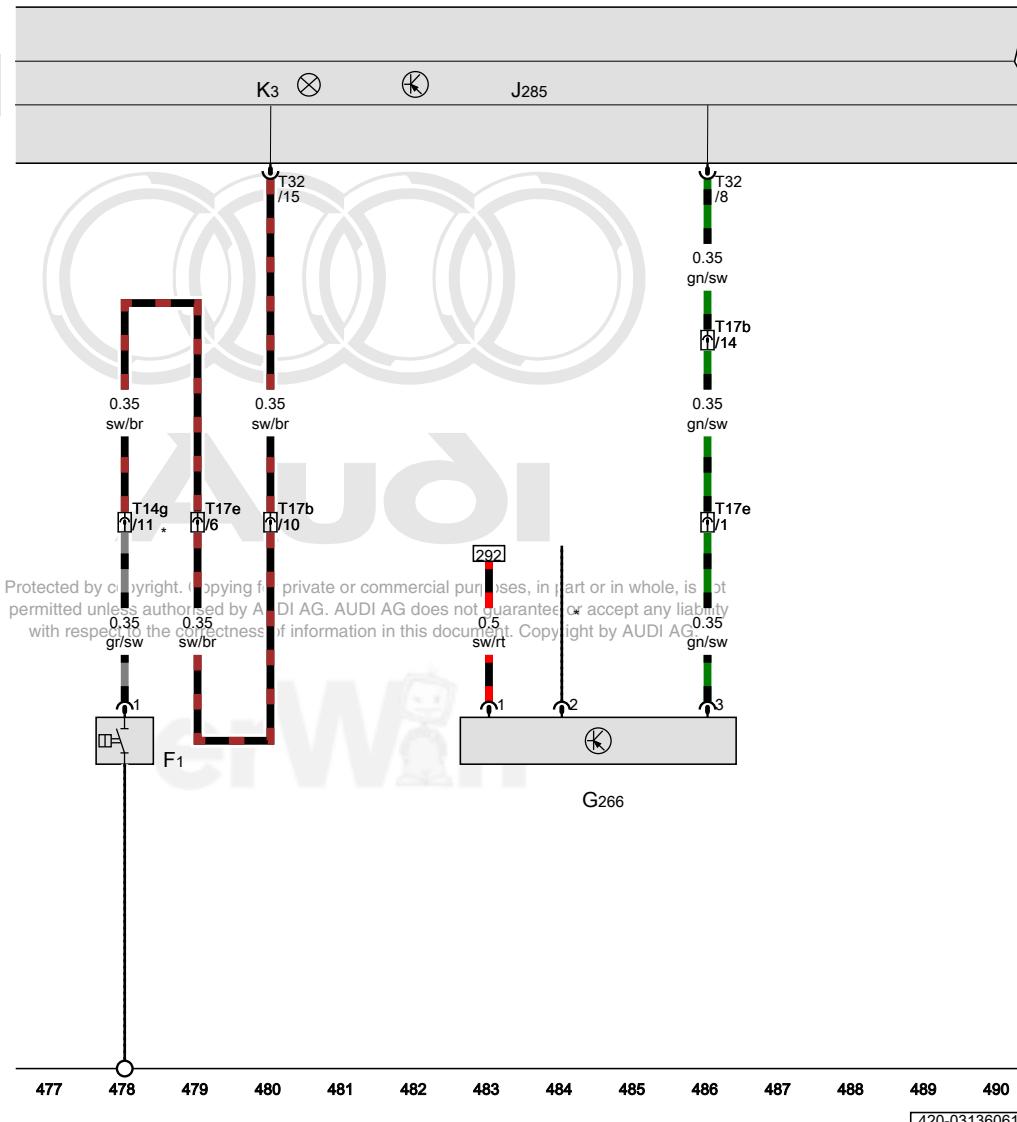
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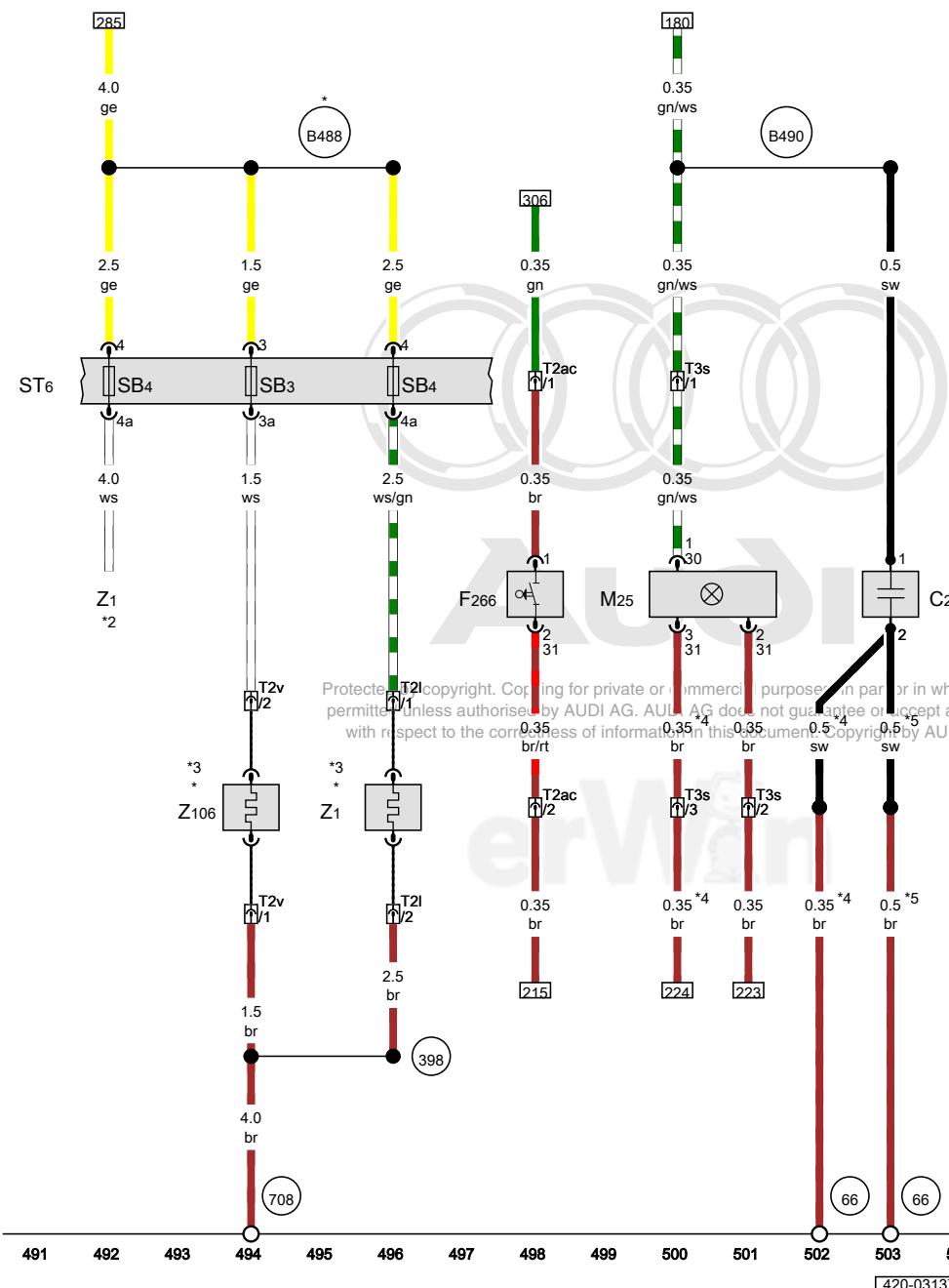
Oil pressure switch, Oil level thermal sensor, Instrument cluster control module

- F1 Oil pressure switch
 G266 Oil level thermal sensor
 J285 Instrument cluster control module
 K3 Oil pressure indicator lamp
 T14g 14-pin connector, in the engine compartment
 T17b 17-pin connector, Inside the center console connector station on the right side
 T17e 17-pin connector, Connector station under the rear shelf, right
 T32 32-pin connector
 * Refer to applicable engine 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

420-0313606141



Engine hood contact switch, High-mounted brake lamp bulb, Partition window defogger

- | | |
|------|---|
| C24 | Suppressor |
| F266 | Engine hood contact switch |
| M25 | High-mounted brake lamp bulb |
| SB3 | Fuse 3 (on fuse panel B) |
| SB4 | Fuse 4 (on fuse panel B) |
| ST6 | Fuse panel 6 |
| T2ac | Double connector, in the rear bumper, left |
| T2l | Double connector |
| T2v | Double connector |
| T3s | 3-pin connector, Inner right rear cross panel |
| Z1 | Rear window defogger |
| Z106 | Partition window defogger |
| 66 | Ground connection on right rear longitudinal member |
| 398 | Ground connection 33 (in main wiring harness) |
| 708 | Ground connection 2 on right rear chassis side member |
| B488 | Connection 24 (in main wiring harness) |
| B490 | Connection 26 (in main wiring harness) |

* Only for Audi R8 GT

*2 Refer to the applicable convertible top wiring diagram

*3 Coupe

*4 Through May 2010

*5 from June 2010

| | |
|----|----------|
| 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 |

Radio navigation system

From June 2009

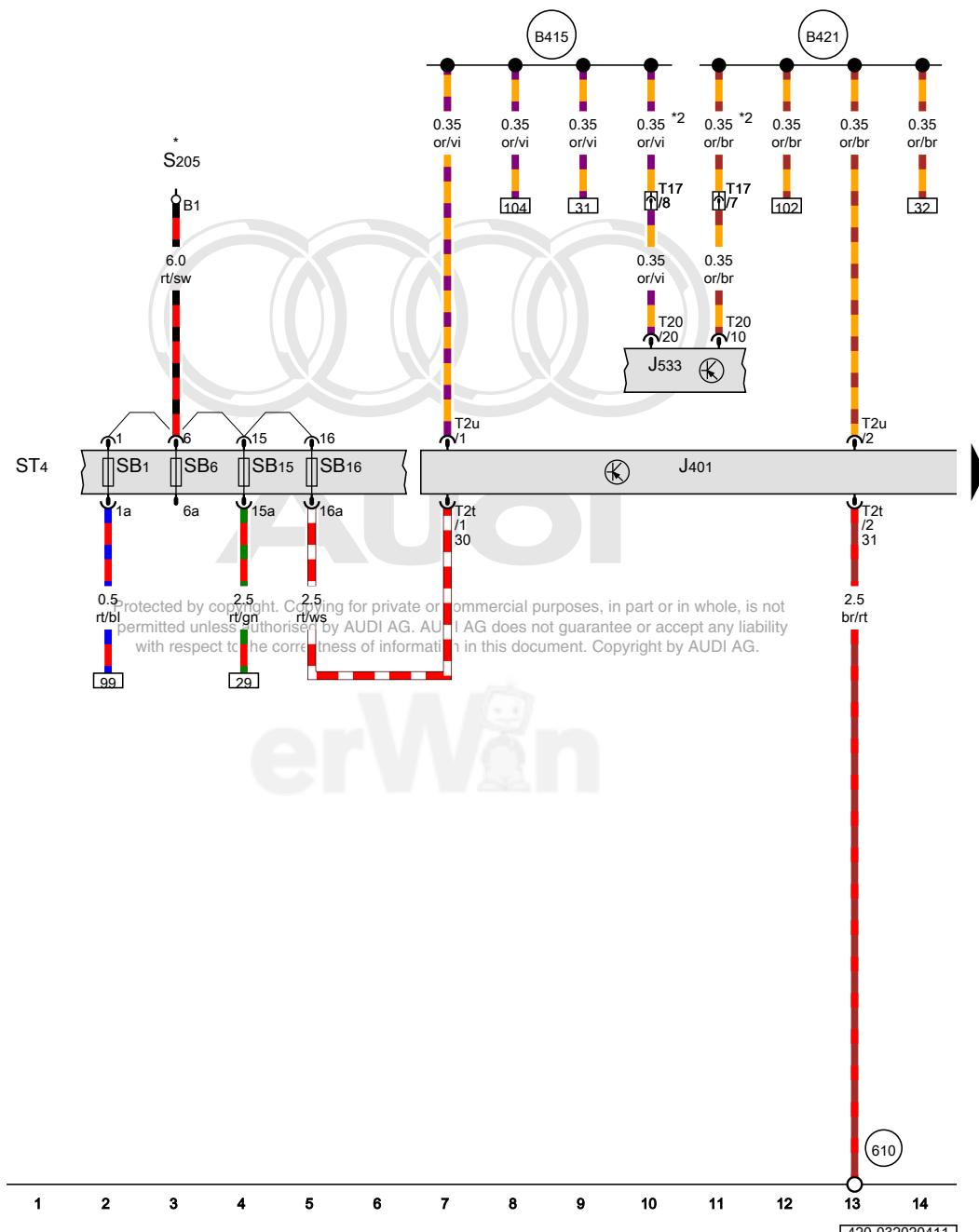


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Navigation system with CD drive control module, Data bus on board diagnostic interface

- J401 Navigation system with CD drive control module
 J533 Data bus on board diagnostic interface
 SB1 Fuse 1 (on fuse panel B)
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB15 Fuse 15 (on fuse panel B)
 SB16 Fuse 16 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T2t Double connector
 T2u Double connector
 T17 17-pin connector, Inside the center console connector station on the right side
 T20 20-pin connector
 610 Audio ground connection under front center console
 B415 Infotainment CAN Bus high connection 1 (in main wiring harness)
 B421 Infotainment CAN bus low connection 1 (in main wiring harness)
- * Main distribution in the right front footwell
 *2 Data bus wire (CAN bus)

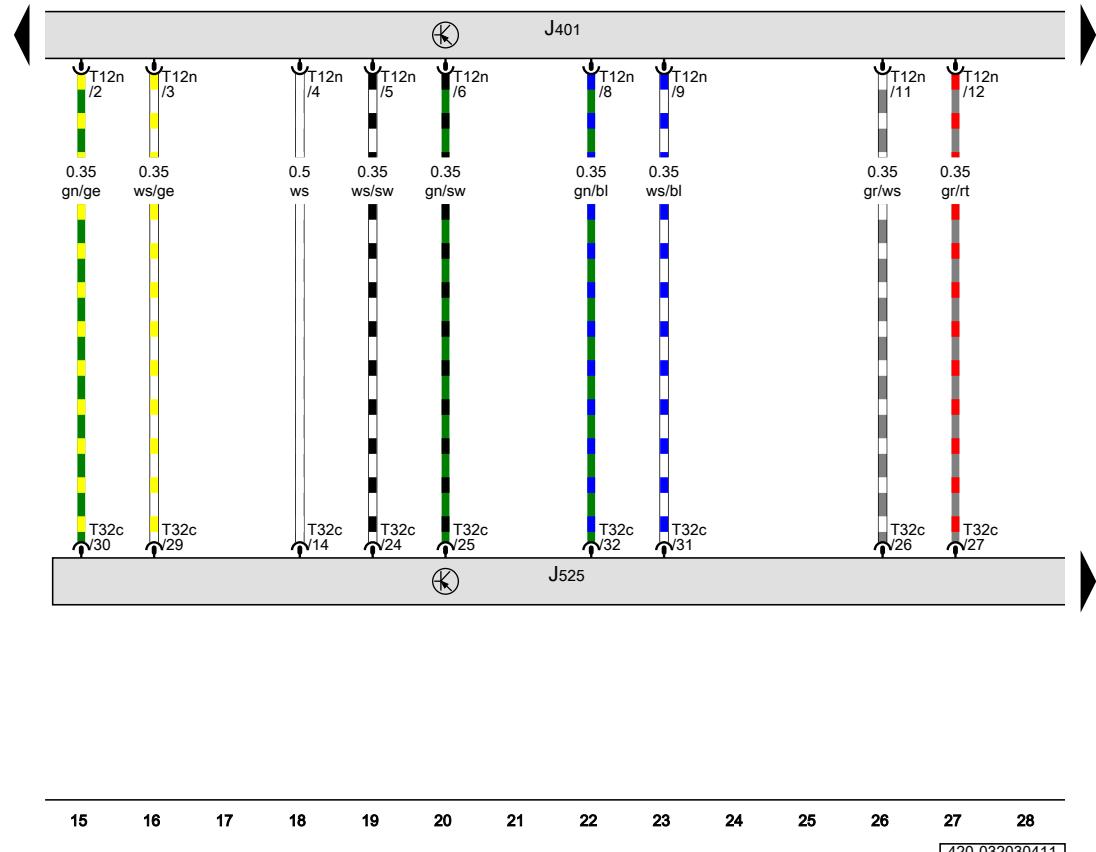


Navigation system with CD drive control module, Digital sound system control module

J401 Navigation system with CD drive control module
J525 Digital sound system control module
T12n 12-pin connector
T32c 32-pin connector



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Navigation system with CD drive control module, Digital sound system control module, Left front bass speaker, Right front bass speaker, Center mid-treble speaker

- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R21 Left front bass speaker
- R23 Right front bass speaker
- R158 Center mid-treble speaker
- T17c 17-pin connector, Inside the center console connector station on the right side
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T32c 32-pin connector

718 Audio ground connection under rear shelf

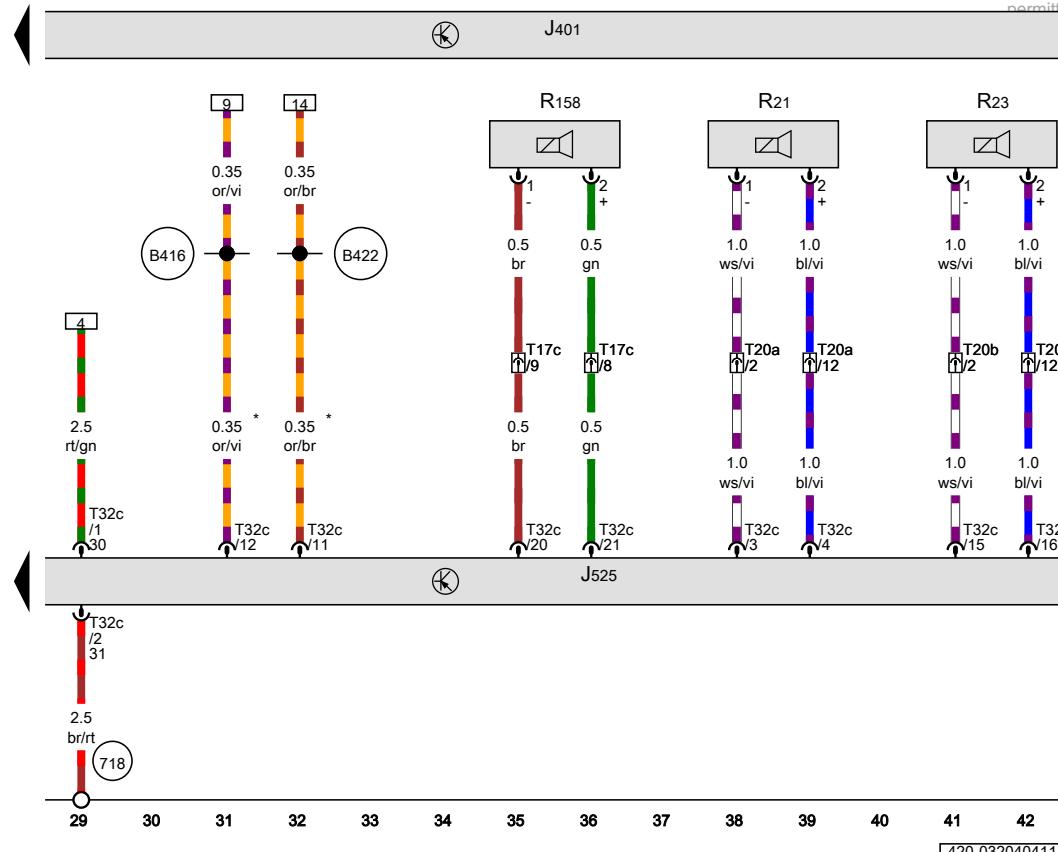
B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

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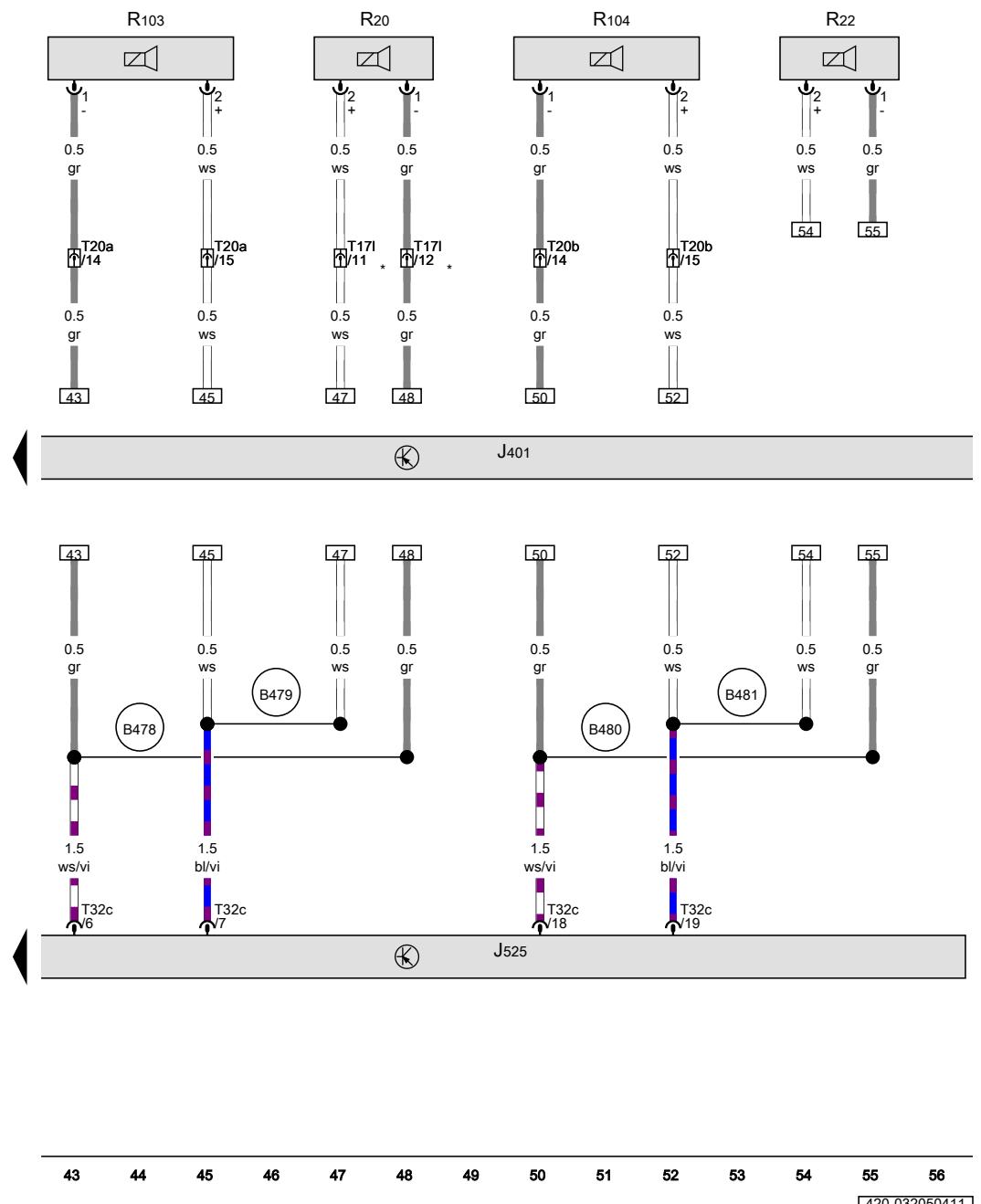
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B422 Infotainment CAN bus low connection 2 (in main wiring harness)

* Data bus wire (CAN bus)



- | | |
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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 |



Navigation system with CD drive control module, Digital sound system control module, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

J401 Navigation system with CD drive control module

J525 Digital sound system control module

R20 Left front treble speaker

R22 Right front treble speaker

R103 Left front midrange speaker

R104 Right front midrange speaker

T17I 17-pin connector, on the left A-pillar

T20a 20-pin connector, in the left front door

T20b 20-pin connector, in the right front door

T32c 32-pin connector

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(B478) Connection 14 (in main wiring harness)

B479 Connection 15 (in main wiring harness)

(B480) Connection 16 (in main wiring harness)

(B481) Connection 17 (in main wiring harness)

* Depending on equipment

Navigation system with CD drive control module, Antenna,
Antenna amplifier, Radio antenna 2, Antenna amplifier 3

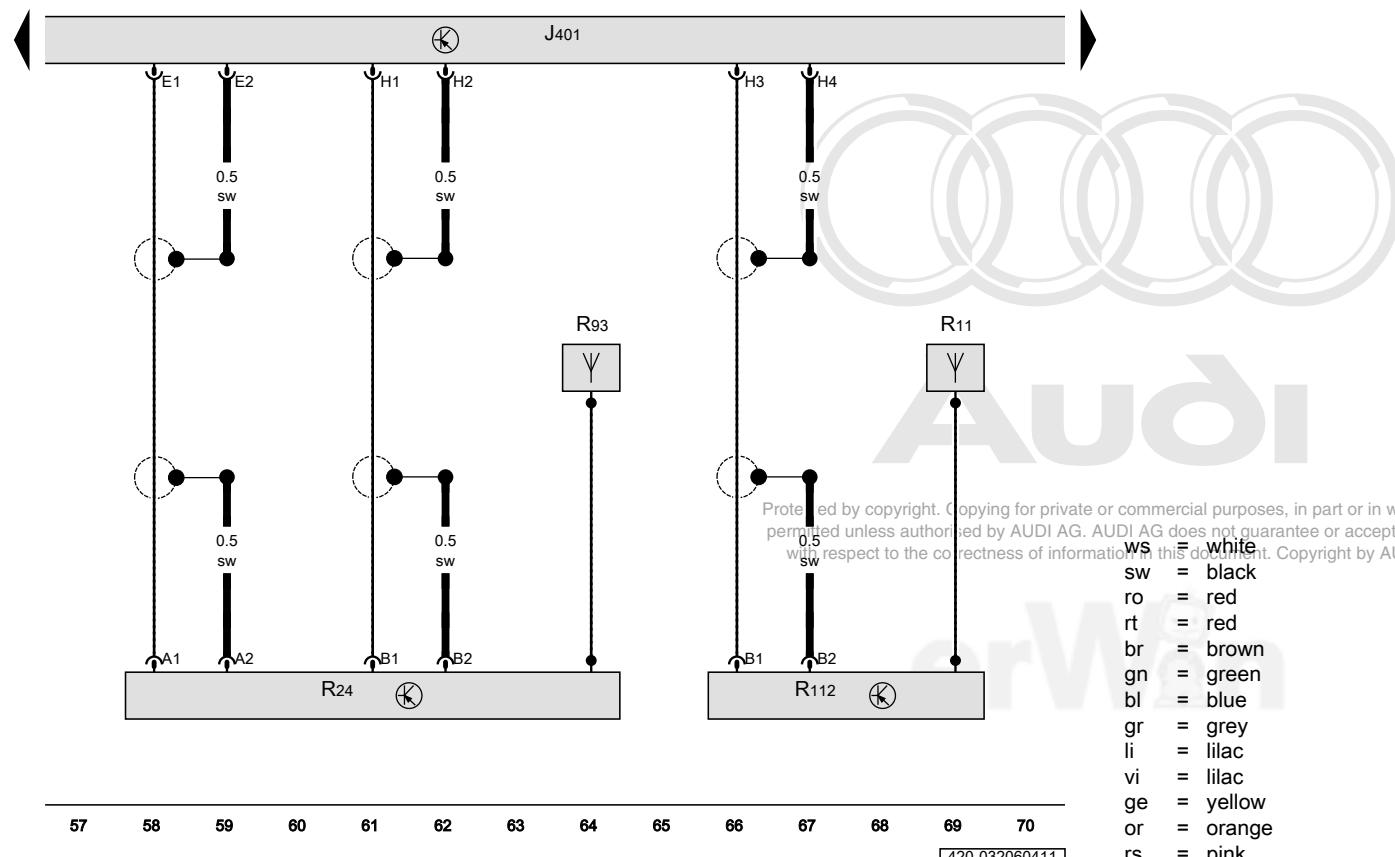
J401 Navigation system with CD drive control module

R11 Antenna

R24 Antenna amplifier, near the left tail lamp

R93 Radio antenna 2

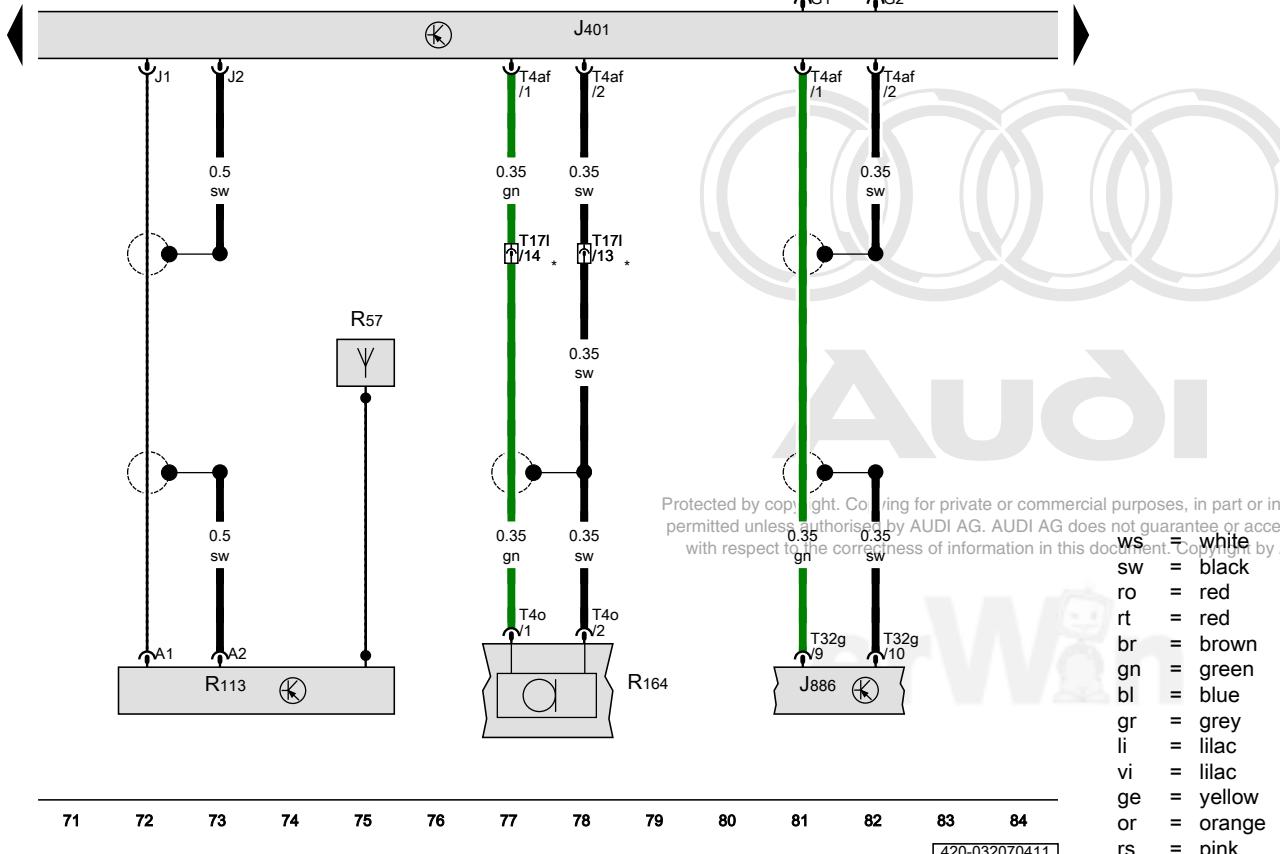
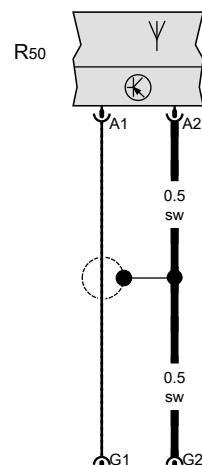
R112 Antenna amplifier 3, on the right A-pillar



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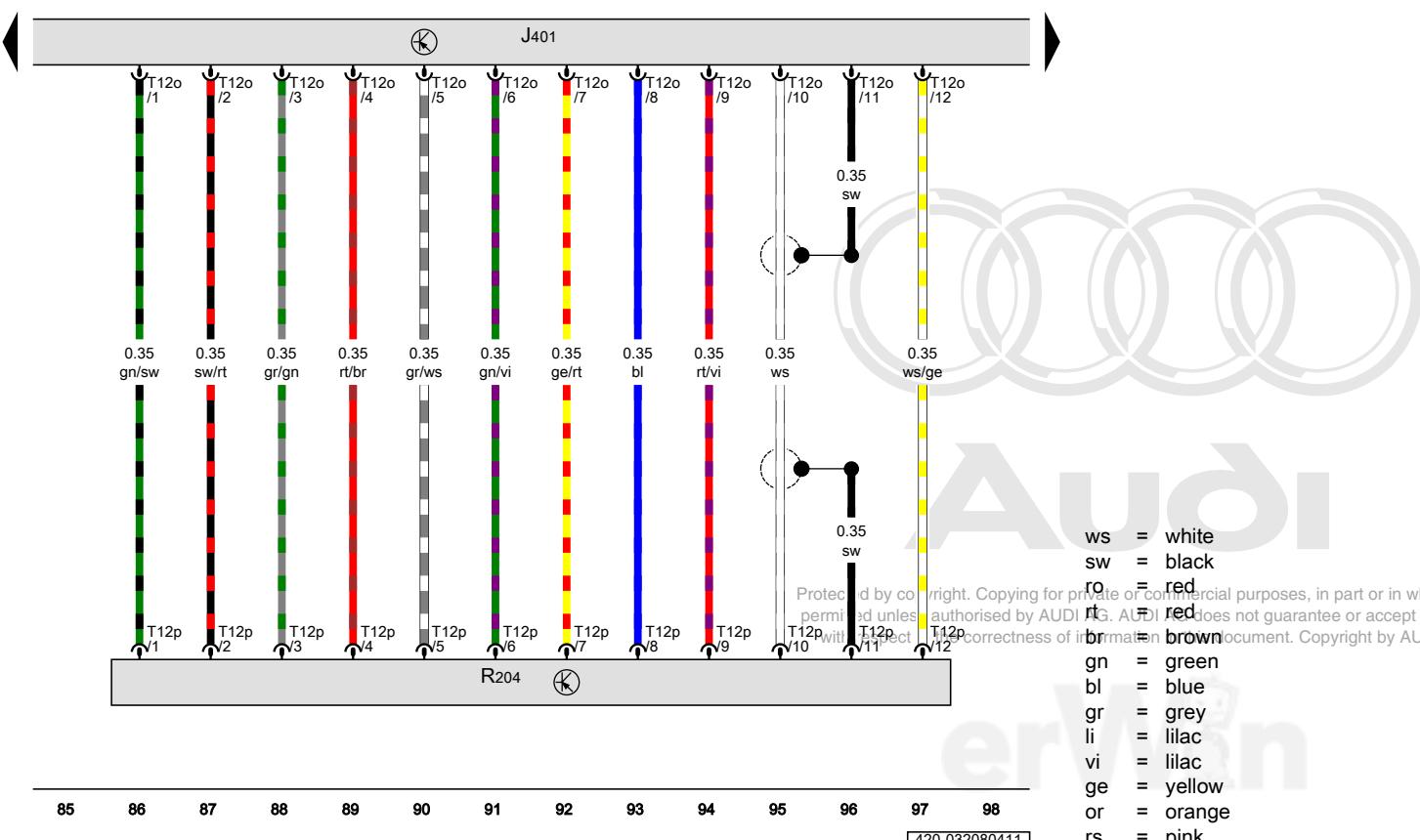
Navigation system with CD drive control module, GPS antenna, TV antenna 3, Antenna amplifier 4, Microphone unit in front roof module

- J401 Navigation system with CD drive control module
- J886 Seat belt microphone control module
- R50 GPS antenna, under the instrument panel, center
- R57 TV antenna 3
- R113 Antenna amplifier 4, near the right tail lamp
- R164 Microphone unit in front roof module
- T4af 4-pin connector
- T4o 4-pin connector
- T17i 17-pin connector, on the left A-pillar
- T32g 32-pin connector
- * Depending on equipment



Navigation system with CD drive control module, TV card reader

J401 Navigation system with CD drive control module
R204 TV card reader
T12o 12-pin connector
T12p 12-pin connector



Navigation system with CD drive control module, Rearview camera system control module, Rearview camera

J401 Navigation system with CD drive control module

J772 Rearview camera system control module

R189 Rearview camera

T2q Double connector

T2r Double connector, on the left B-pillar

T54a 54-pin connector

65 Ground connection on left rear longitudinal member

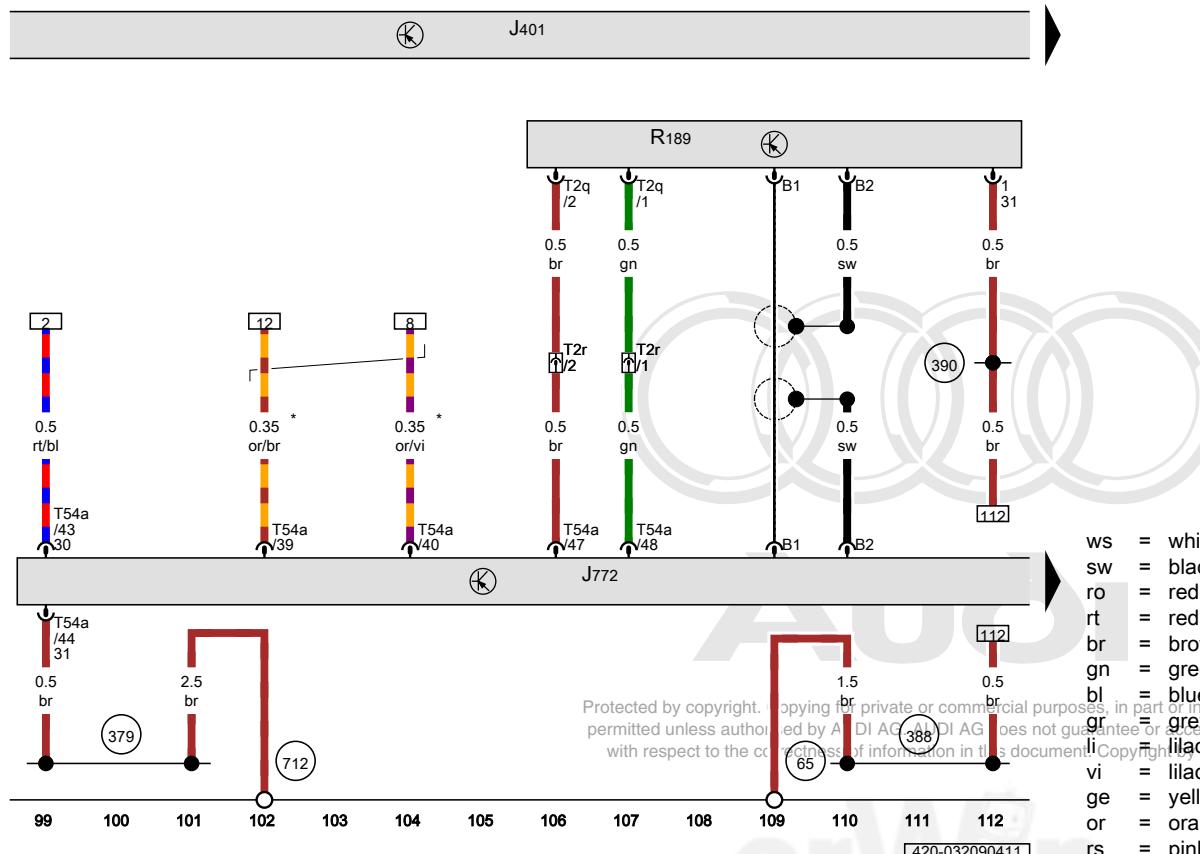
379 Ground connection 14 (in main wiring harness)

388 Ground connection 23 (in main wiring harness)

390 Ground connection 25 (in main wiring harness)

712 Ground connection under rear shelf, left

* Data bus wire (CAN bus)



Navigation system with CD drive control module, Rearview camera system control module

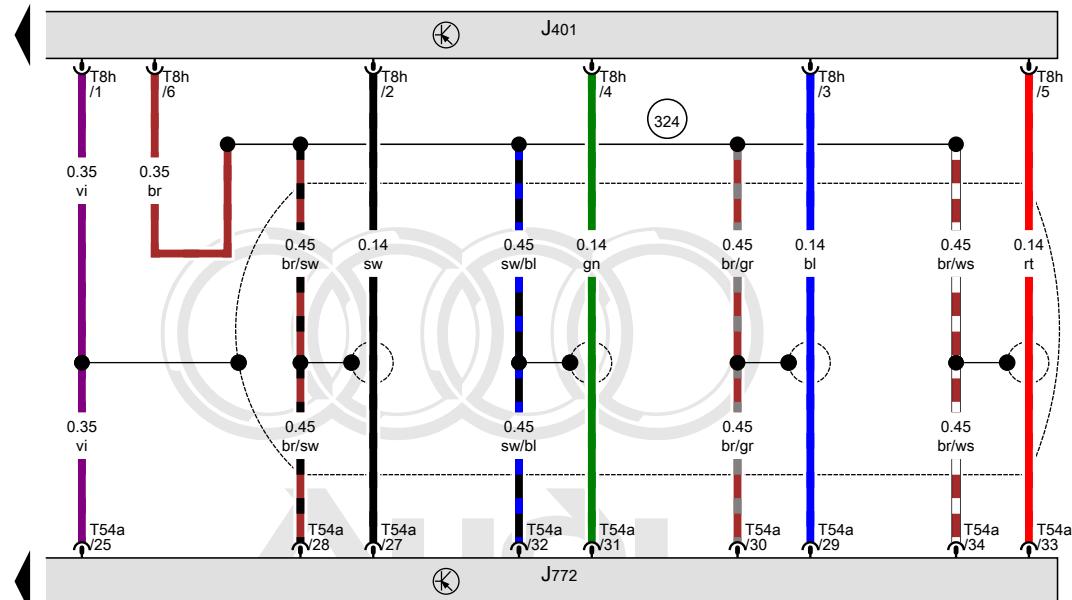
J401 Navigation system with CD drive control module

J772 Rearview camera system control module

T8h 8-pin connector

T54a 54-pin connector

324 Navigation shielding 1 ground connection (in communication wiring harness)



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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
F420-0321004111

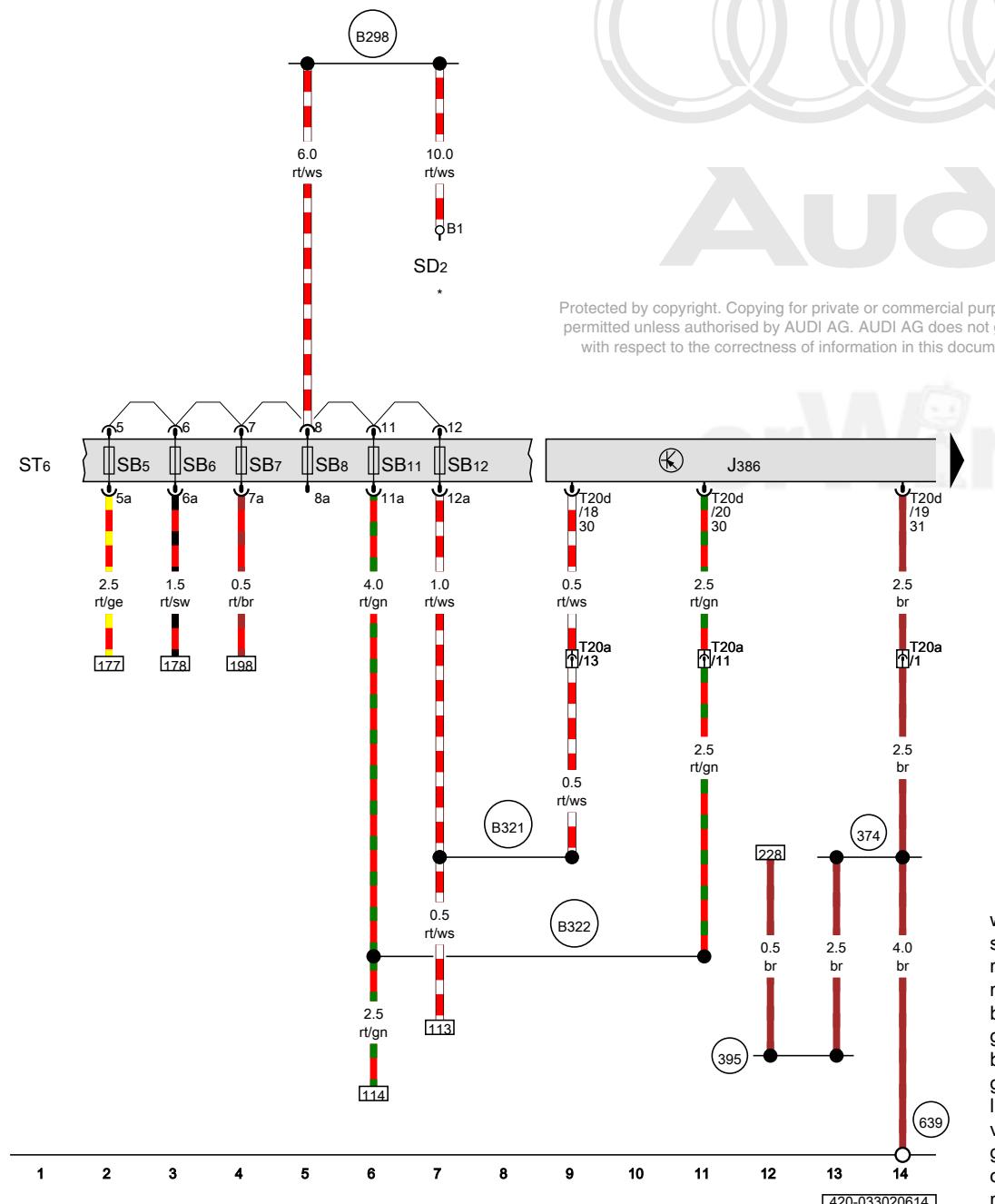
Convenience system

from June 2009



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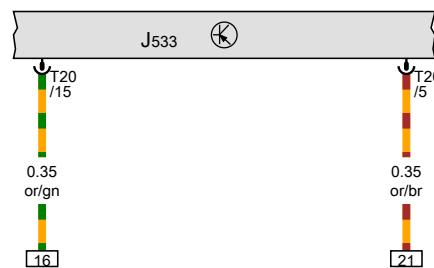

Driver door control module

J386 Driver door control module
SD2 Fuse 2 (on fuse panel D)
SB5 Fuse 5 (on fuse panel B)
ST6 Fuse panel 6
SB6 Fuse 6 (on fuse panel B)
SB7 Fuse 7 (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)
T20a 20-pin connector, in the left front door
T20d 20-pin connector

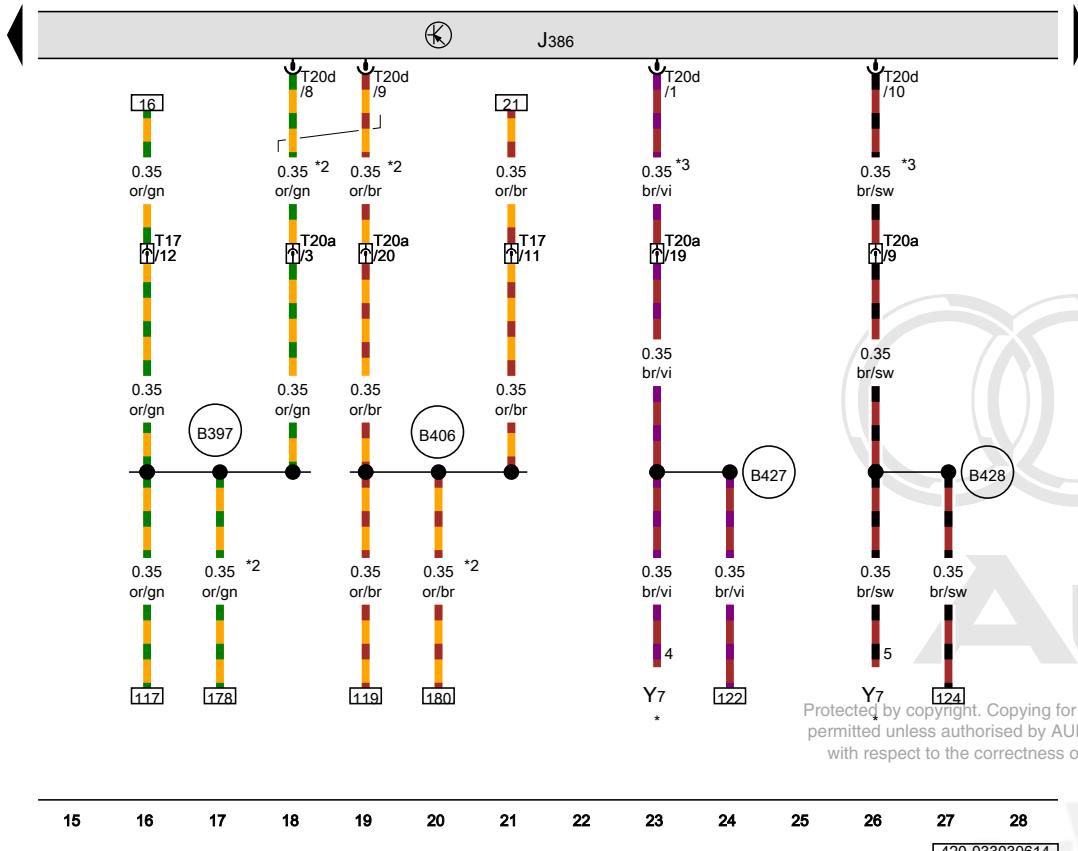
- (374) Ground connection 9 (in main wiring harness)
- (395) Ground connection 30 (in main wiring harness)
- (639) Ground connection on left A-pillar
- (B298) Positive connection 2 (30) (in main wiring harness)
- (B321) Positive connection 7 (30a) (in main wiring harness)
- (B322) Positive connection 8 (30a) (in main wiring harness)

* Main fuse box in the right front footwell

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 door control module

- J386 Driver door control module
 J533 Data bus on board diagnostic interface
 T17 17-pin connector, Inside the center console connector station on the right side
 T20 20-pin connector
 T20a 20-pin connector, in the left front door
 T20d 20-pin connector
 Y7 Automatic dimming interior rearview mirror
 B397 Comfort system CAN bus high connection 1 (in main wiring harness)
 B406 Comfort system CAN bus low connection 1 (in main wiring harness)
 B427 Mirror auto-dimming signal connection 1 (in main wiring harness)
 B428 Mirror auto-dimming signal connection 2 (in main wiring harness)
- * Refer to applicable standard equipment wiring diagram
 *2 Data bus wire (CAN bus)
 *3 Only for vehicles with automatic dimming interior rearview mirror



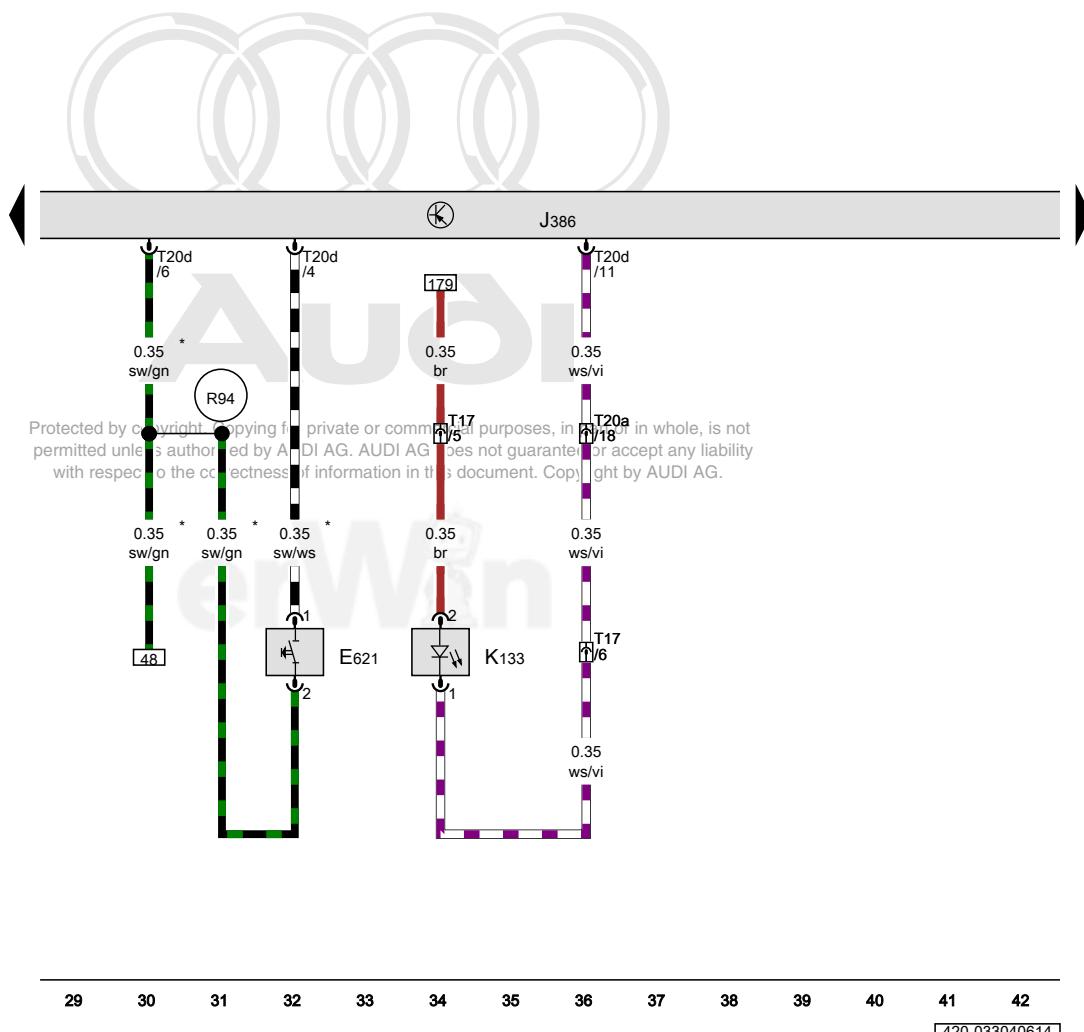
| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Driver window lowering microswitch, Driver door control module, Central locking -SAFE- indicator lamp

- E621 Driver window lowering microswitch
- J386 Driver door control module
- K133 Central locking -SAFE- indicator lamp
- T17 17-pin connector, Inside the center console connector station on the right side
- T20a 20-pin connector, in the left front door
- T20d 20-pin connector

(R94) Connection 1 (in driver door wiring harness)

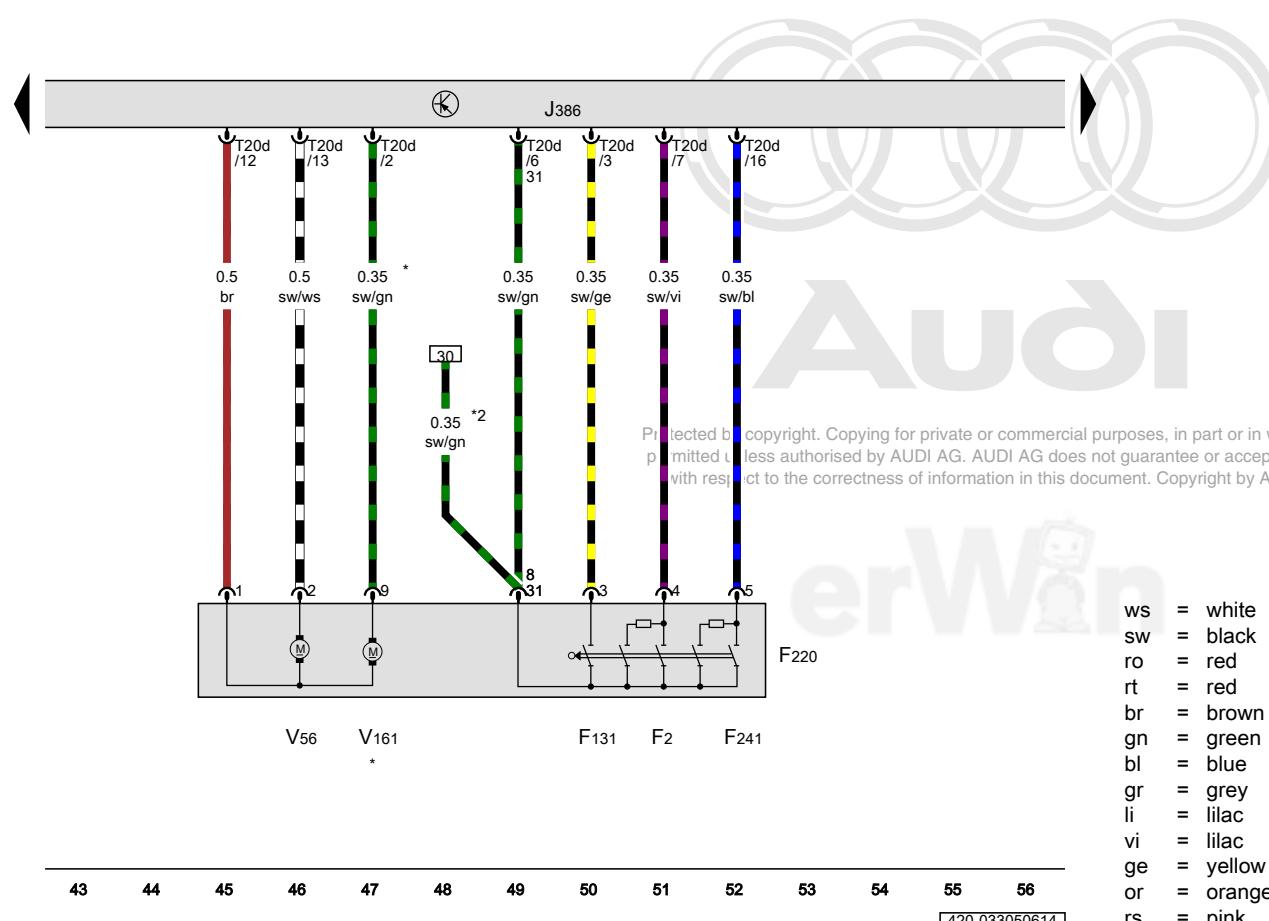
* Depending on equipment



| | |
|----|----------|
| 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 central locking lock unit, Driver door control module

- F2 Driver door contact switch
- F131 Left front central locking system actuator
- F220 Driver central locking lock unit
- F241 Driver lock cylinder contact switch
- J386 Driver door control module
- T20d 20-pin connector
- V56 Driver door central locking system motor
- V161 Driver door central locking -SAFE- motor
- * Not for USA
- *2 Depending 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 |

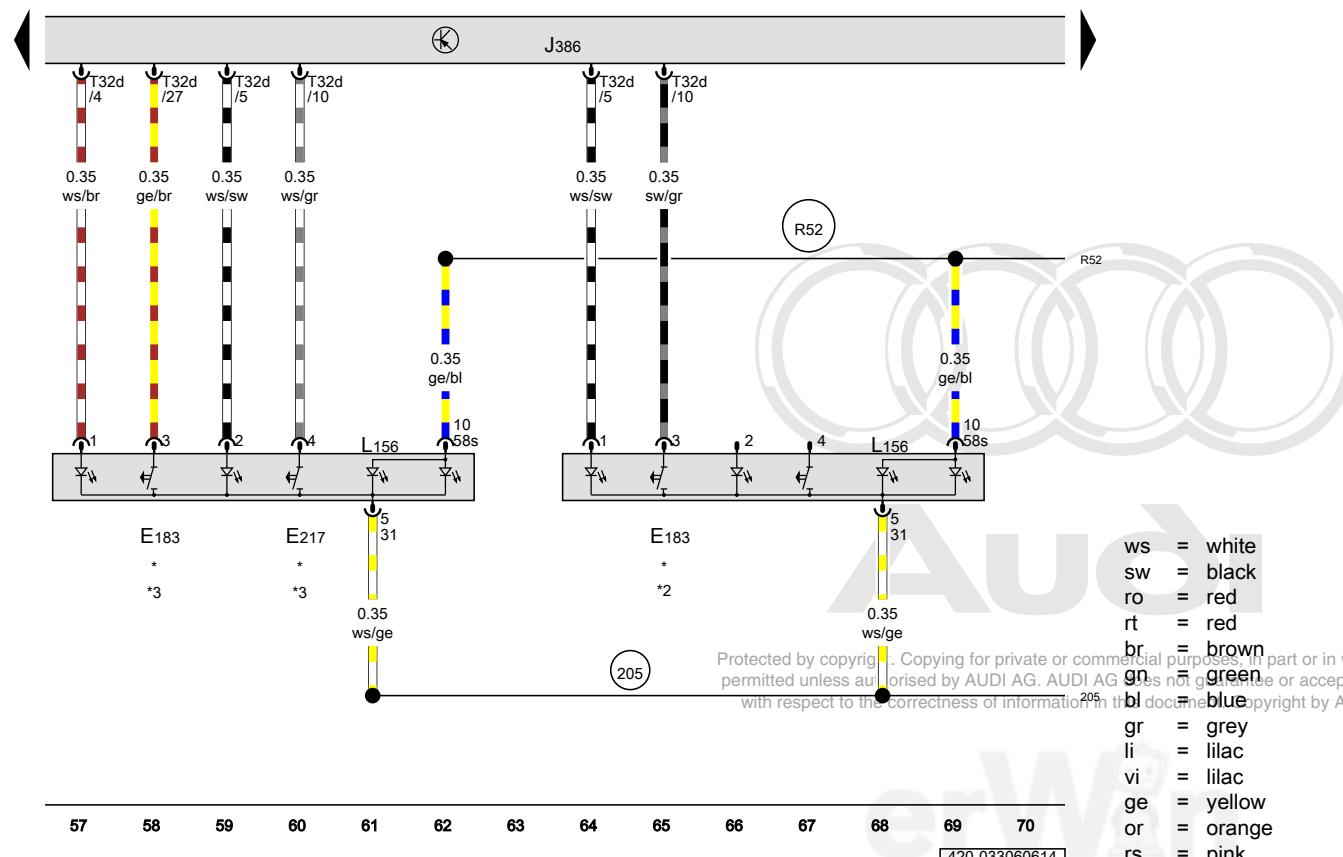
Alarm system deactivation switch, Driver door control module

E183 Interior monitoring switch
 E217 Alarm system deactivation switch
 J386 Driver door control module
 L156 Switch illumination bulb
 T32d 32-pin connector

(205) Ground connection (in driver door wiring harness)

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

* Not for USA
 *2 from June 2010
 *3 Through May 2010



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Rear lid remote release button, Fuel filler door release button, Power window control head in driver door, Driver door control module, Driver window regulator motor

E40 Left front window regulator switch

E81 Right front power window switch in driver door

E233 Rear lid remote release button

E319 Fuel filler door release button

E512 Power window control head in driver door

J386 Driver door control module

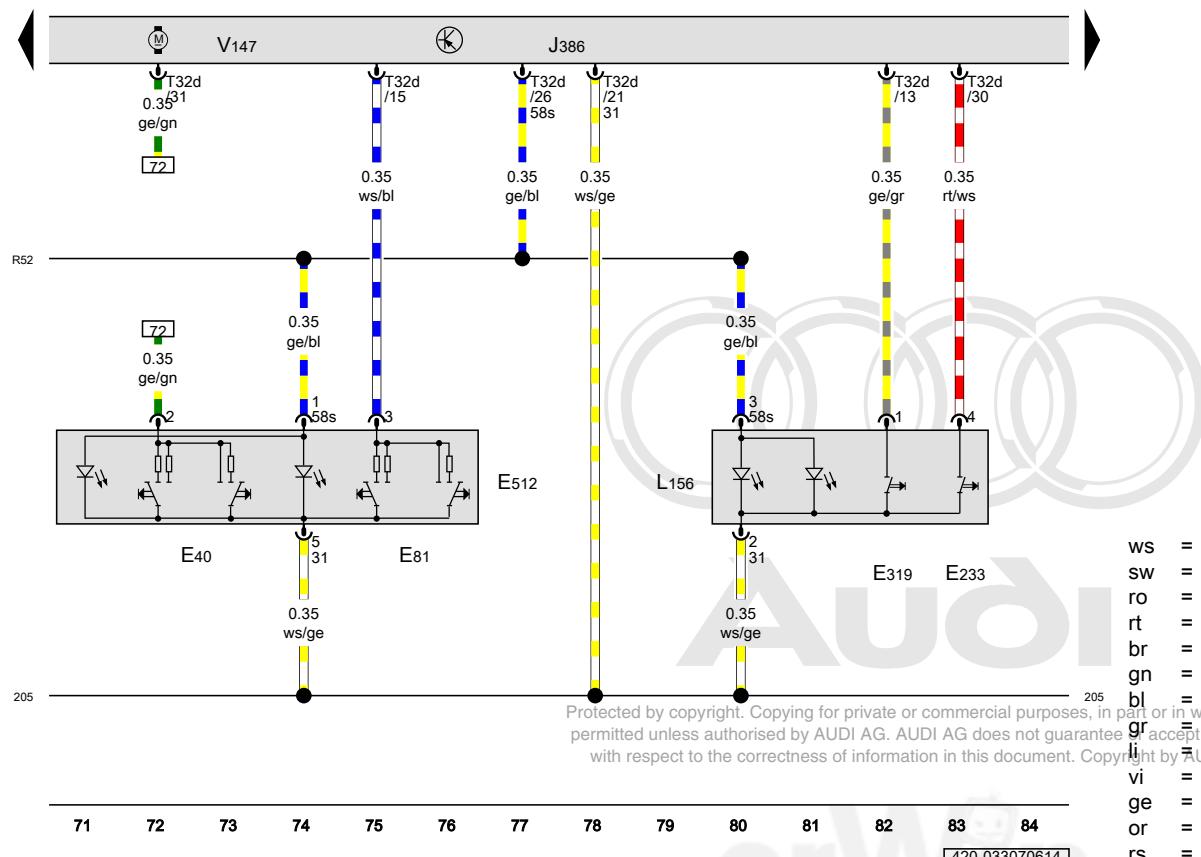
L156 Switch illumination bulb

T32d 32-pin connector

V147 Driver window regulator motor

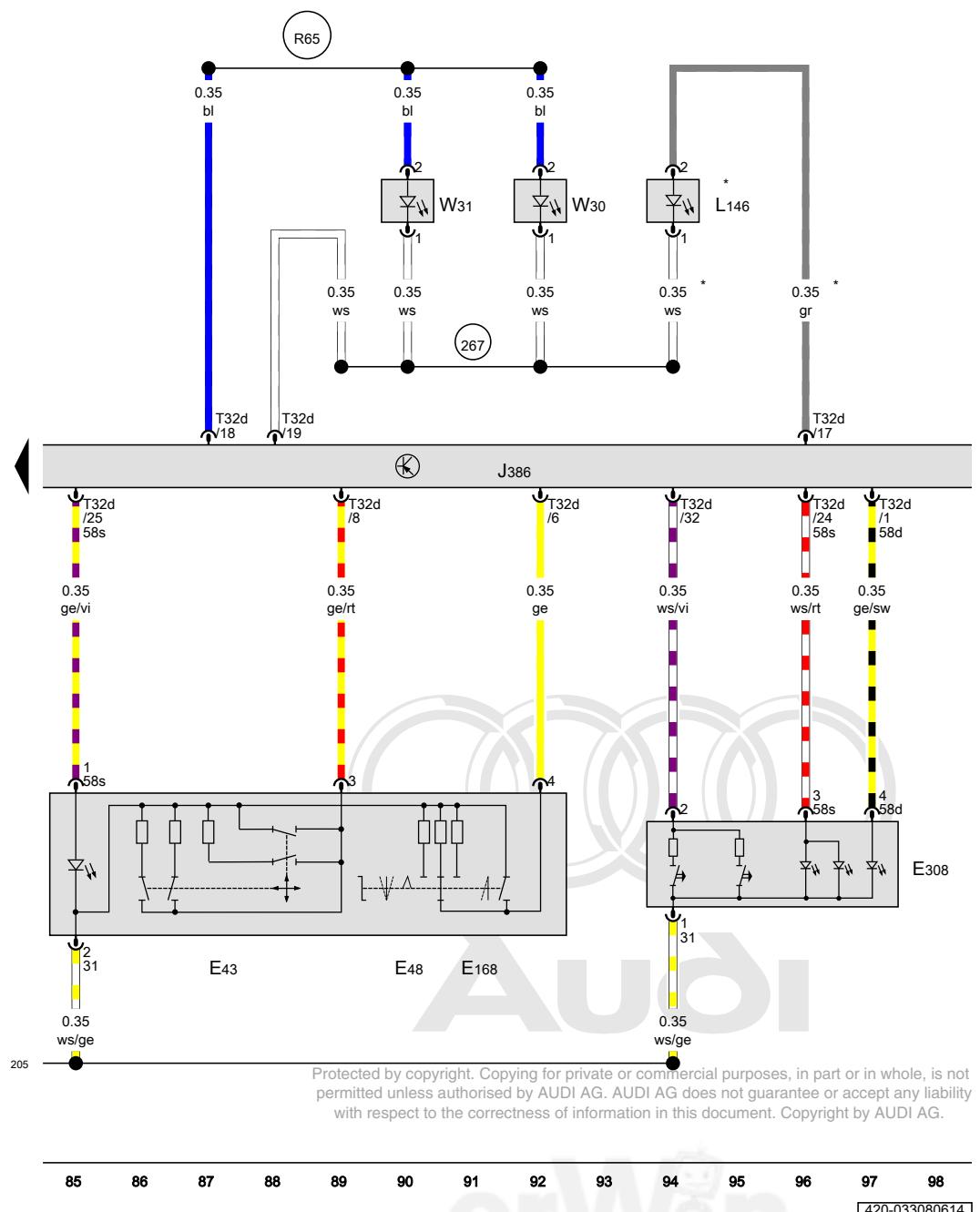
(205) Ground connection (in driver door wiring harness)

(R52) Connection 58s (in driver door 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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 420-0330706141



Mirror adjusting switch, Driver interior locking button, Driver door control module, Driver interior door handle illumination bulb, Driver door warning lamp, Left front entry lamp

- E43 Mirror adjusting switch
 - E48 Mirror selector switch
 - E168 Folding mirror adjustment switch
 - E308 Driver interior locking button
 - J386 Driver door control module
 - L146 Driver interior door handle illumination bulb
 - T32d 32-pin connector
 - W30 Driver door warning lamp
 - W31 Left front entry lamp

205 Ground connection (in driver door wiring harness)

267 Ground connection 2 (in driver door wiring harness)

R65 Positive connection (58) (in driver door wiring harness)

* Only for vehicles with auxiliary lamps

* Only for vehicles with auxiliary lamps

| | |
|----|----------|
| 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 |

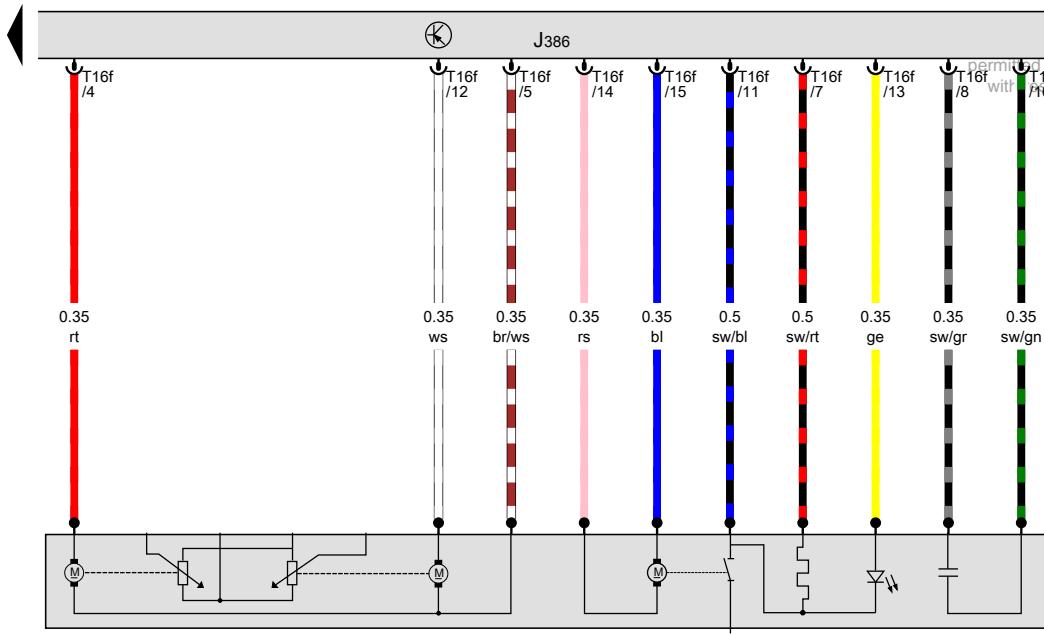
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Driver door control module, Driver mirror adjustment motor

| | |
|---------|---|
| J386 | Driver door control module |
| L131 | Driver exterior rearview mirror turn signal bulb |
| T16f | 16-pin connector |
| V17 | Driver mirror adjustment motor |
| V121 | Driver exterior rearview mirror folding motor |
| V149 | Driver mirror adjustment motor |
| Y20 | Driver automatic dimming exterior rearview mirror |
| Z4 | Heated driver exterior rearview mirror |
| * *2 | Only for vehicles with folding mirrors Only for vehicles with heated exterior rearview mirrors |
| *3 | Only for vehicles with automatic dimming exterior rearview mirror |



Audi



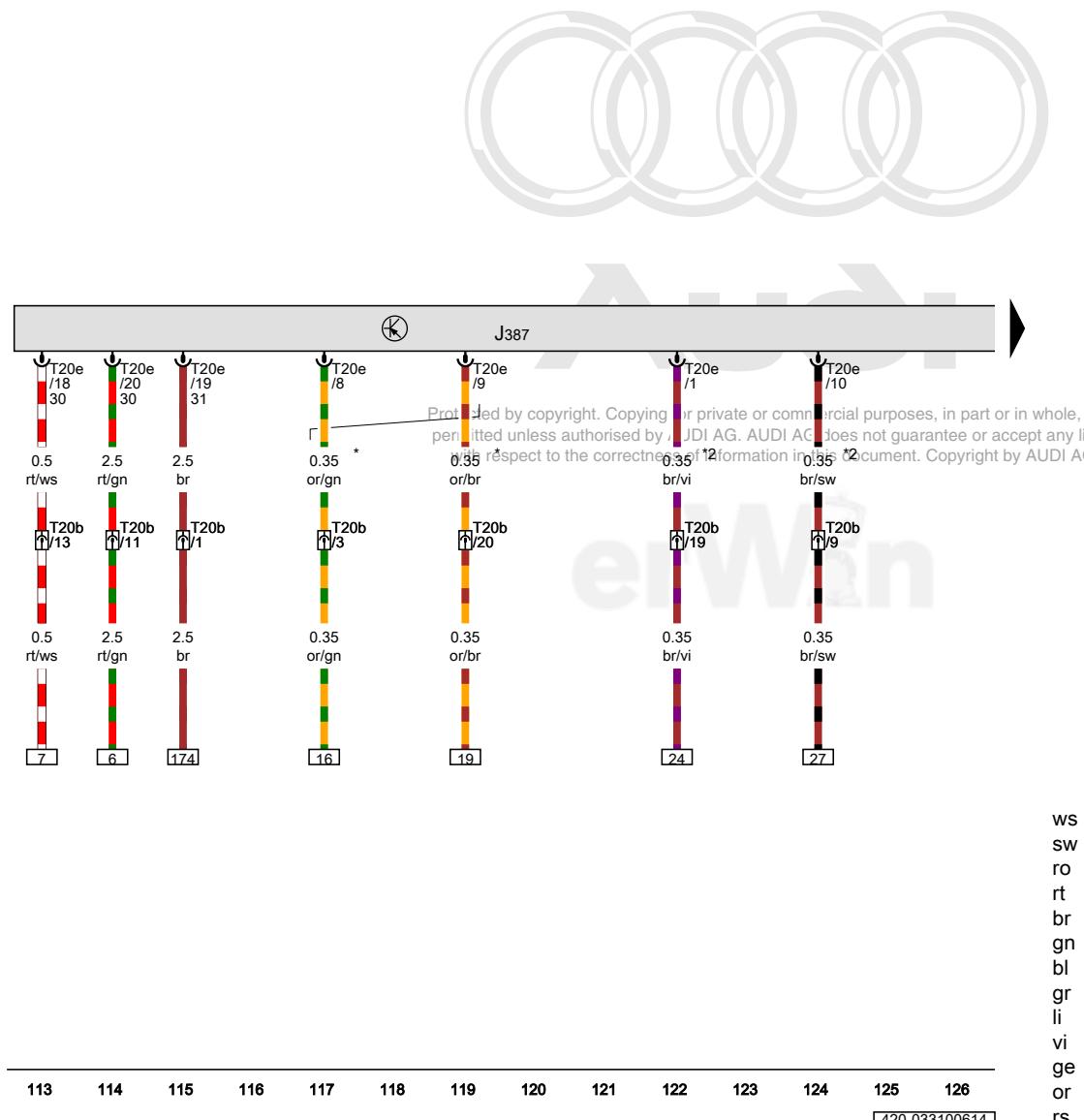
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| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Front passenger door control module

- J387 Front passenger door control module
 T20b 20-pin connector, in the right front door
 T20e 20-pin connector
 * Data bus wire (CAN bus)
 *2 Only for vehicles with automatic dimming interior rearview mirror



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 passenger window lowering microswitch, Front passenger central locking lock unit, Front passenger door control module

E622 Front passenger window lowering microswitch

F3 Front passenger door contact switch

F133 Right front central locking system actuator

F221 Front passenger central locking lock unit

J387 Front passenger door control module

T20e 20-pin connector

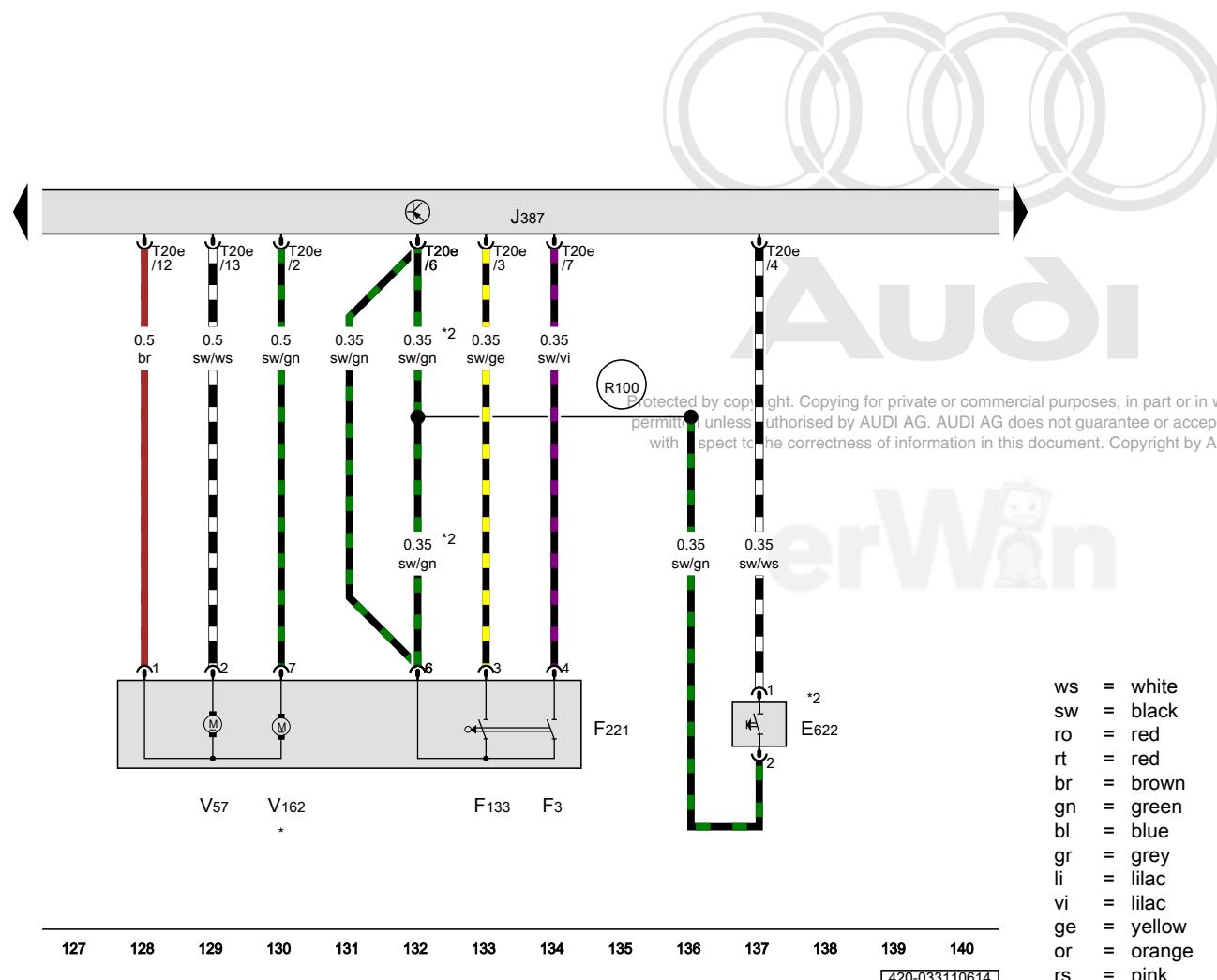
V57 Front passenger door central locking system motor

V162 Front passenger central locking -SAFE- motor

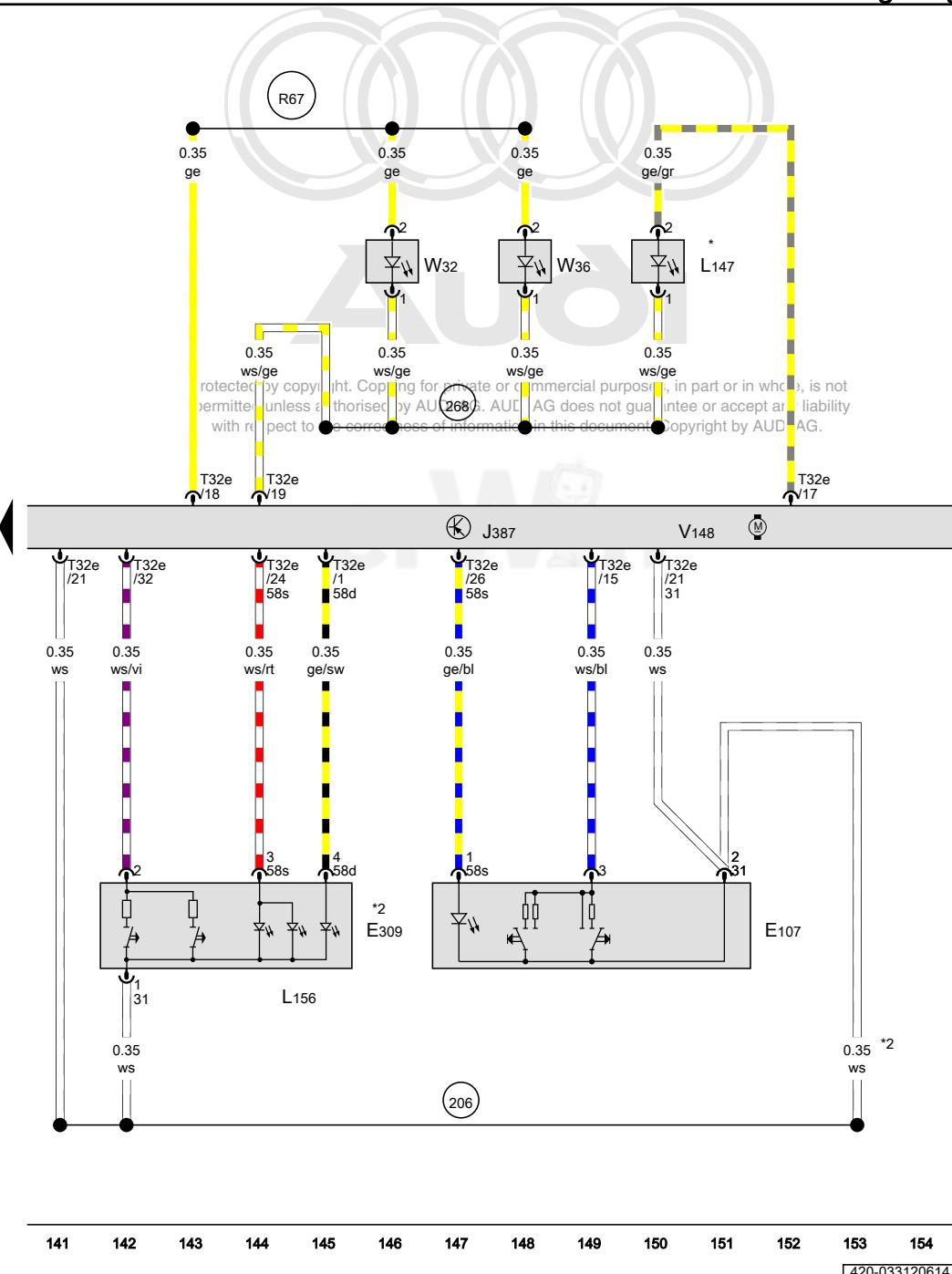
(R100) Connection 3 (in front passenger door wiring harness)

* Not for USA

*2 Depending 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 |



Front passenger door window regulator switch, Front passenger interior locking button, Front passenger door control module, Front passenger interior door handle illumination bulb, Right front entry lamp, Front passenger door warning lamp

- E107 Front passenger door window regulator switch
 - E309 Front passenger interior locking button
 - J387 Front passenger door control module
 - L147 Front passenger interior door handle illumination bulb
 - L156 Switch illumination bulb
 - T32e 32-pin connector
 - V148 Front passenger window regulator motor
 - W32 Right front entry lamp
 - W36 Front passenger door warning lamp

(206) Ground connection (in front passenger door wiring harness)

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

(R67) Positive connection (58) (in front passenger door wiring harness)

* Only for vehicles with auxiliary lamps

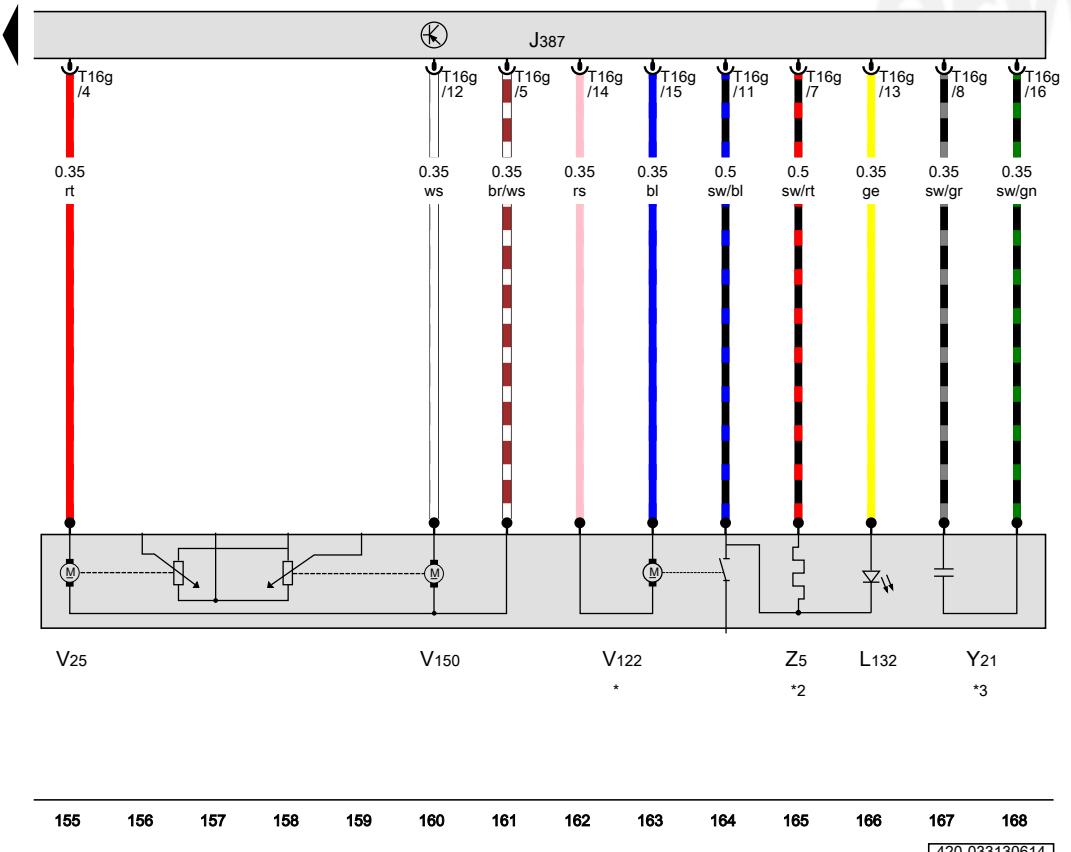
*2 USA only

| | |
|----|----------|
| 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 passenger door control module, Front passenger mirror adjustment motor, Front passenger automatic dimming exterior rearview mirror, Heated front passenger exterior rearview mirror

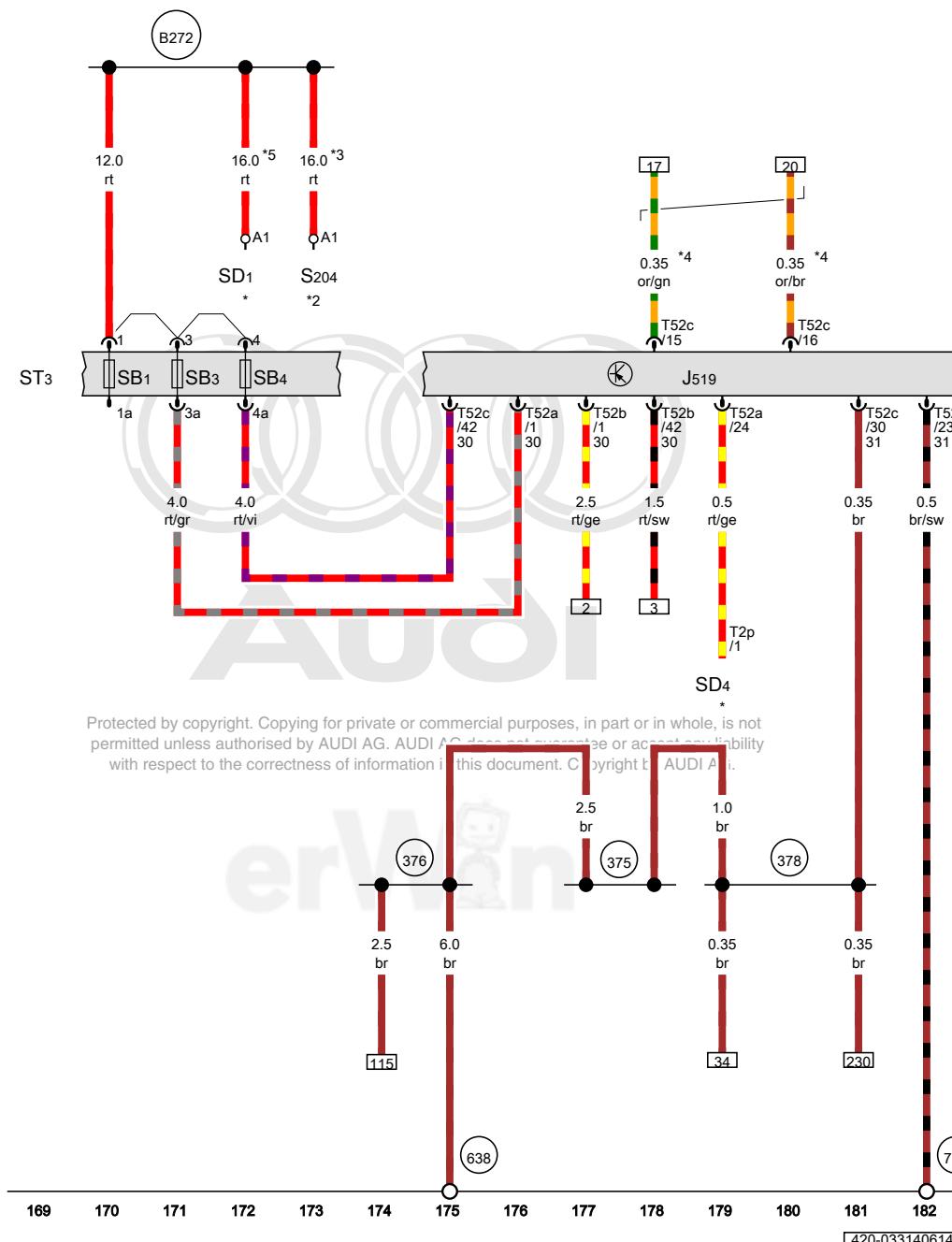
- J387 Front passenger door control module
- L132 Front passenger exterior rearview mirror turn signal bulb
- T16g 16-pin connector
- V25 Front passenger mirror adjustment motor
- V122 Front passenger exterior rearview mirror folding motor
- V150 Front passenger mirror adjustment motor
- Y21 Front passenger automatic dimming exterior rearview mirror
- Z5 Heated front passenger exterior rearview mirror
- *1 Only for vehicles with folding mirrors**
- *2 Only for vehicles with heated exterior rearview mirrors**
- *3 Only for vehicles with automatic dimming exterior rearview mirror**

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

420-0331306141



Vehicle electrical control module system

- J519 Vehicle electrical control module system
SB1 Fuse 1 (on fuse panel B)
SD1 Fuse 1 (on fuse panel D)
ST3 Fuse panel 3
SB3 Fuse 3 (on fuse panel B)
SB4 Fuse 4 (on fuse panel B)
SD4 Fuse 4 (on fuse panel D)
S204 Fuse 1 (terminal 30)
T2p Double connector
T52a 52-pin connector
T52b 52-pin connector
T52c 52-pin connector

(375) Ground connection 10 (in main wiring harness)

(376) Ground connection 11 (in main wiring harness)

(378) Ground connection 13 (in main wiring harness)

(638) Ground connection on right A-pillar

(716) Ground connection on right crossmember

(B272) Positive connection (30) (in main wiring harness)

* Main fuse box in the right front footwell
*2 Main distribution in the right front footwell
*3 Through October 2011
*4 Data bus wire (CAN bus)
*5 from November 2011

* Main fuse box in the right front footwell

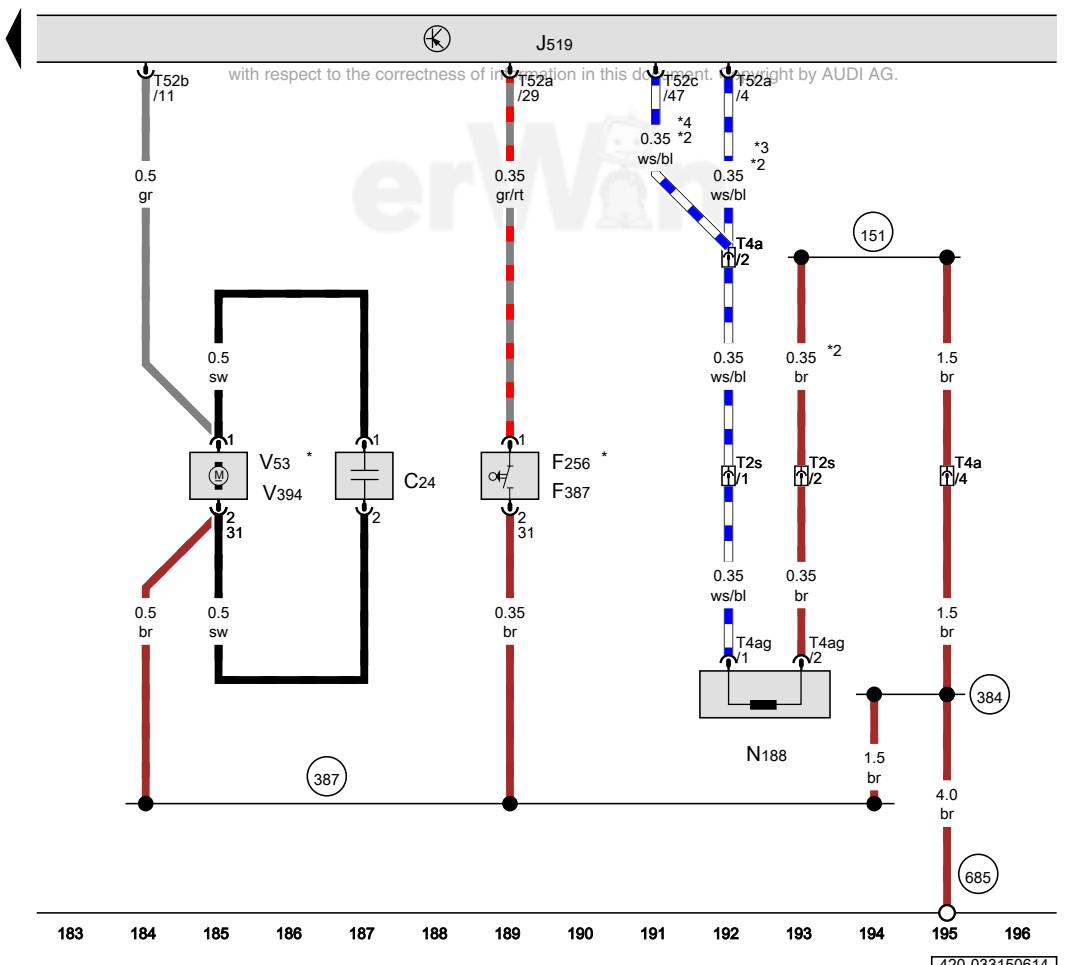
*2 Main distribution in the right front footwell

*3 Through October 2011

*4 Data bus wire (CAN bus)

*5 from November 2011

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


Audi


Rear lid lock unit, Hood contact switch, Vehicle electrical control module system, Luggage compartment release solenoid, Rear lid central locking system motor, Hood release motor

- C24 Suppressor
- F256 Rear lid lock unit
- F387 Hood contact switch
- J519 Vehicle electrical control module system
- N188 Luggage compartment release solenoid
- T2s Double connector
- T4a 4-pin connector, in the luggage compartment, right
- T4ag 4-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- T52c 52-pin connector
- V53 Rear lid central locking system motor
- V394 Hood release motor

- (151) Ground connection 1 (in front wiring harness)
- (384) Ground connection 19 (in main wiring harness)
- (387) Ground connection 22 (in main wiring harness)
- (685) Ground connection 1 on right front longitudinal member

* Designation in Guided Fault Finding

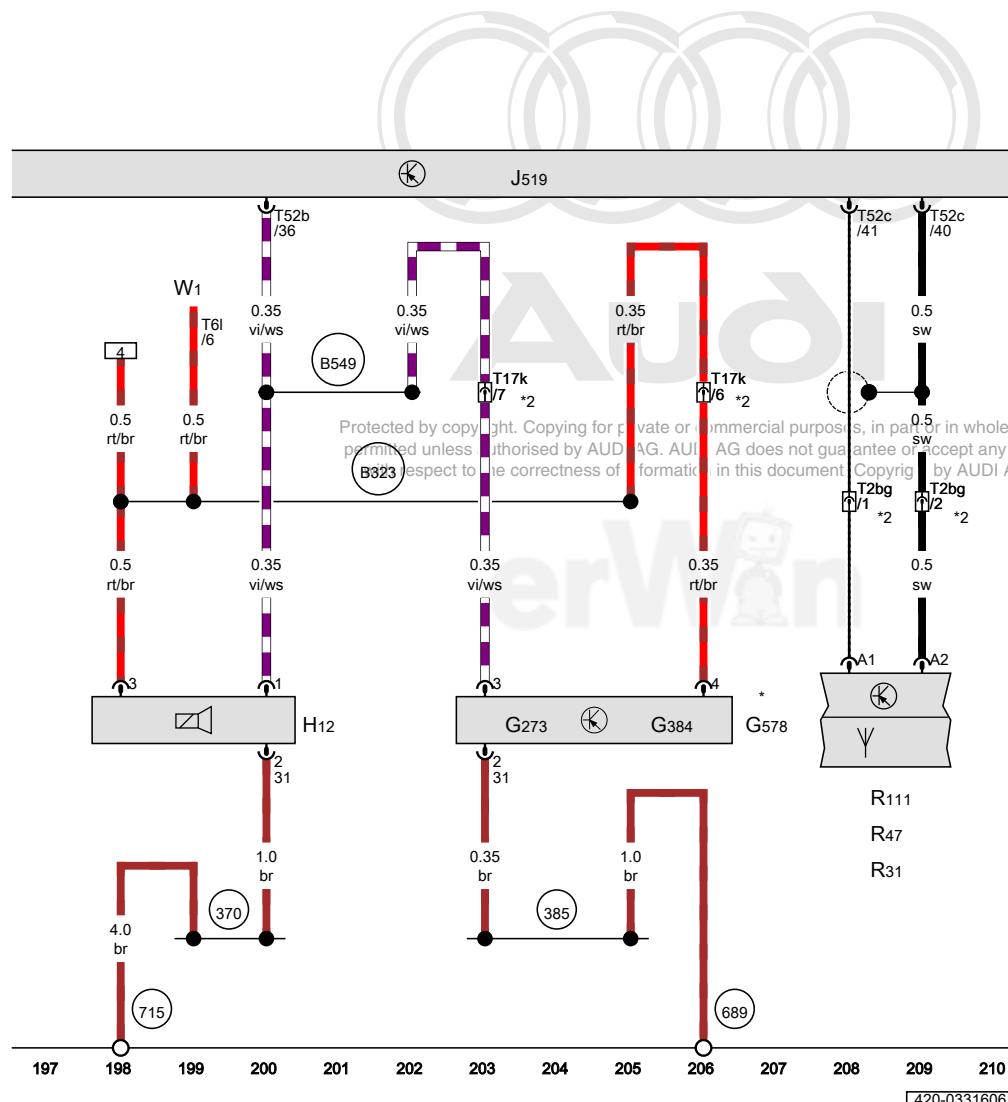
*2 USA only
*3 Through May 2012
*4 from June 2012

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420-0331506141

Anti-theft alarm system sensor, Alarm horn, Vehicle electrical control module system, Central locking and anti-theft alarm system antenna



G273 Interior monitoring sensor
 G384 Vehicle inclination sensor
 G578 Anti-theft alarm system sensor
 H12 Alarm horn
 J519 Vehicle electrical control module system
 R31 Window antenna
 R47 Central locking and anti-theft alarm system antenna
 R111 Antenna amplifier 2
 T2bg Double connector, on the left A-pillar
 T6l 6-pin connector
 T17k 17-pin connector, on the left A-pillar
 T52b 52-pin connector
 T52c 52-pin connector
 W1 Front interior lamp

- (370) Ground connection 5 (in main wiring harness)
- (385) Ground connection 20 (in main wiring harness)
- (689) Ground connection on roof, center front
- (715) Ground connection on left crossmember
- (B323) Positive connection 9 (30a) (in main wiring harness)
- (B549) LIN bus connection 2 (in main wiring harness)

* Anti-theft alarm system with interior monitoring
*2 Depending 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

420-0331606141

Rear spoiler adjustment switch, Vehicle electrical control module system

E127 Rear spoiler adjustment switch
 E461 Front center console control head
 F135 Rear spoiler stop switch 1
 F136 Rear spoiler stop switch 2
 J519 Vehicle electrical control module system
 K242 Rear spoiler adjustment indicator lamp
 T5e 5-pin connector, on the rear spoiler
 T5h 5-pin connector, near the left tail lamp
 T16e 16-pin connector
 T52a 52-pin connector
 T52b 52-pin connector
 V52 Rear spoiler motor

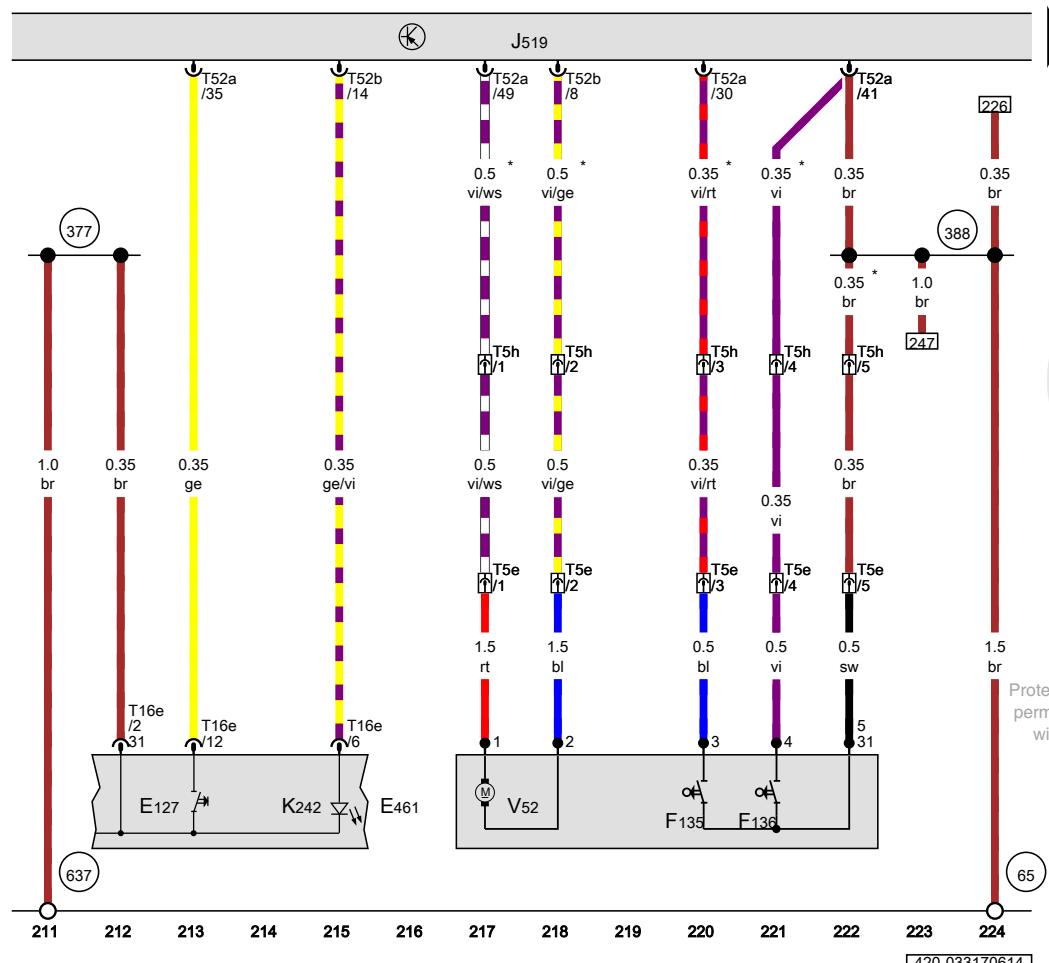
(65) Ground connection on left rear longitudinal member

(377) Ground connection 12 (in main wiring harness)

(388) Ground connection 23 (in main wiring harness)

(637) Airbag control module ground connection

* Only for vehicles with power rear spoiler



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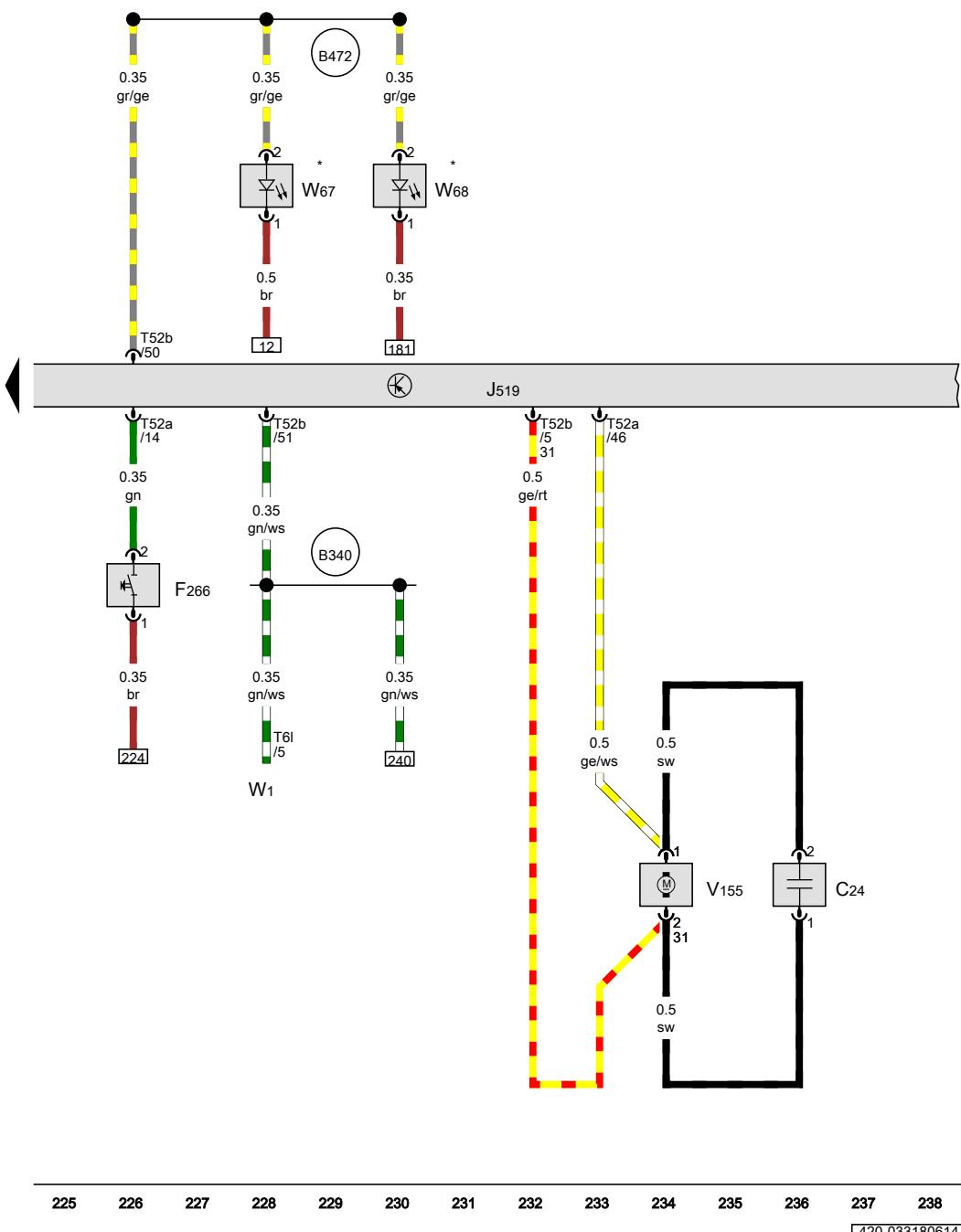
vi = lilac

ge = yellow

or = orange

rs = pink

erWin



Engine hood contact switch, Vehicle electrical control module system, Fuel filler door unlock motor, Fiber optic cable for left front sill panel ambient lighting, Fiber optic cable for right front sill panel ambient lighting

- C24 Suppressor
- F266 Engine hood contact switch
- J519 Vehicle electrical control module system
- T6l 6-pin connector
- T52a 52-pin connector
- T52b 52-pin connector
- V155 Fuel filler door unlock motor
- W1 Front interior lamp
- W67 Fiber optic cable for left front sill panel ambient lighting
- W68 Fiber optic cable for right front sill panel ambient lighting

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

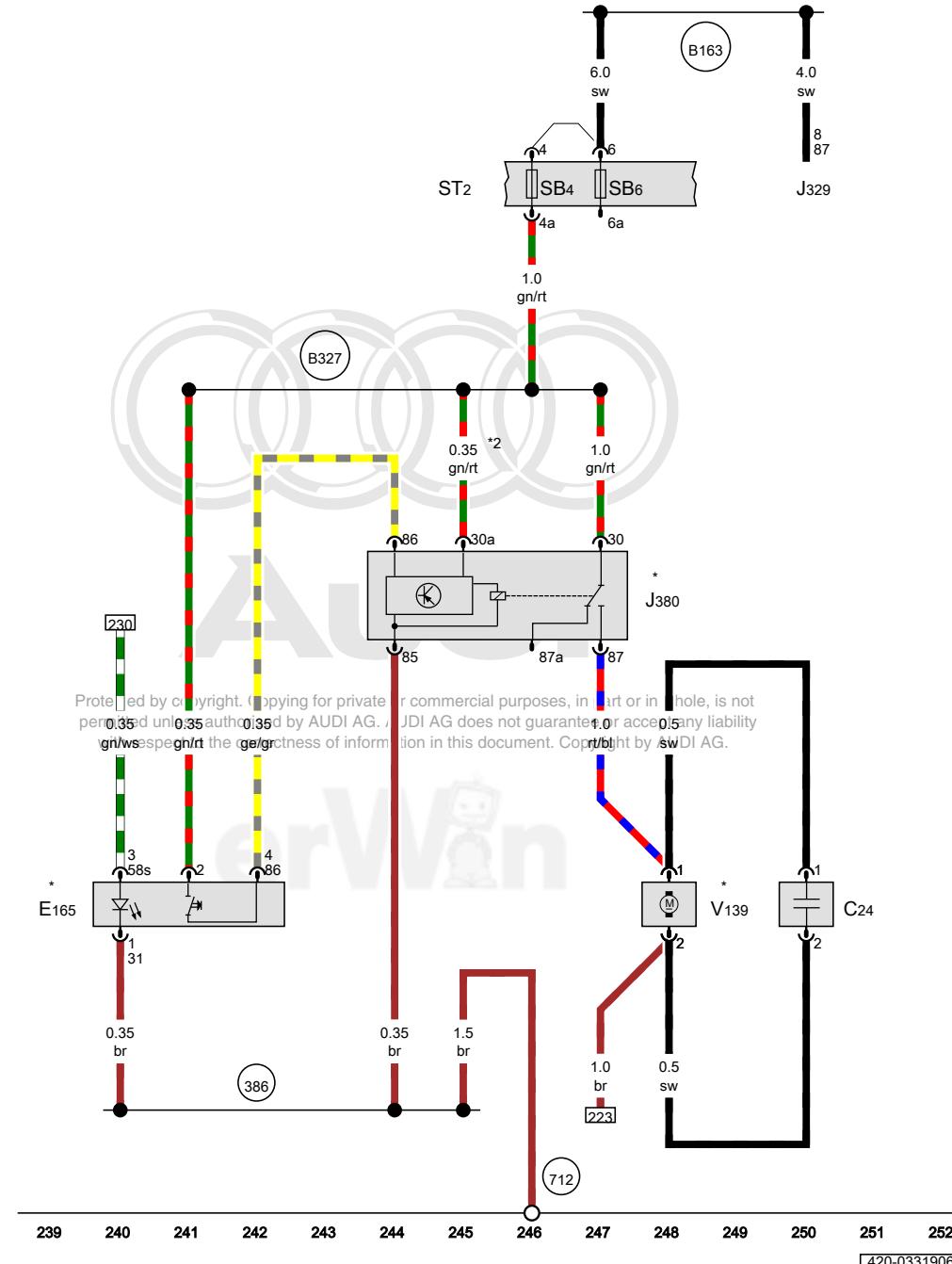
(B472) Connection 8 (in main wiring harness)

* Only for vehicles with auxiliary lamps

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Rear lid unlock switch, Rear lid central locking relay, Rear lid unlock motor

C24 Suppressor
 E165 Rear lid unlock switch
 J329 Terminal 15 power supply relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
 J380 Rear lid central locking relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
 ST2 Fuse panel 2
 SB4 Fuse 4 (on fuse panel B)
 SB6 Fuse 6 (on fuse panel B)
 V139 Rear lid unlock motor

386 Ground connection 21 (in main wiring harness)

712 Ground connection under rear shelf, left

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

B327 Positive connection 13 (30a) (in main wiring harness)

* Only for vehicles with electronic rear lid opener

*2 Through May 2010

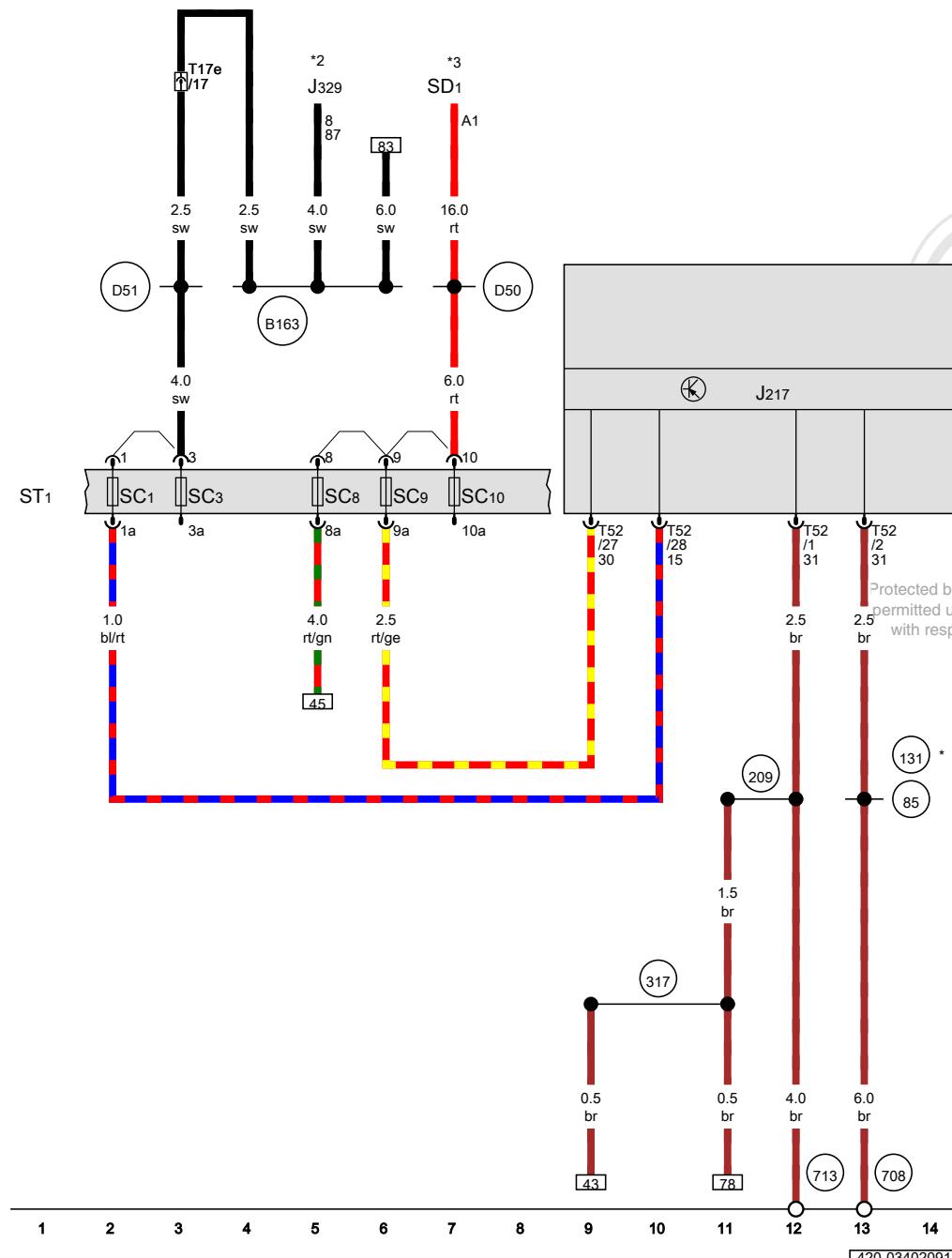
Automatic transmission (R tronic) 086

from May 2009

**Audi**

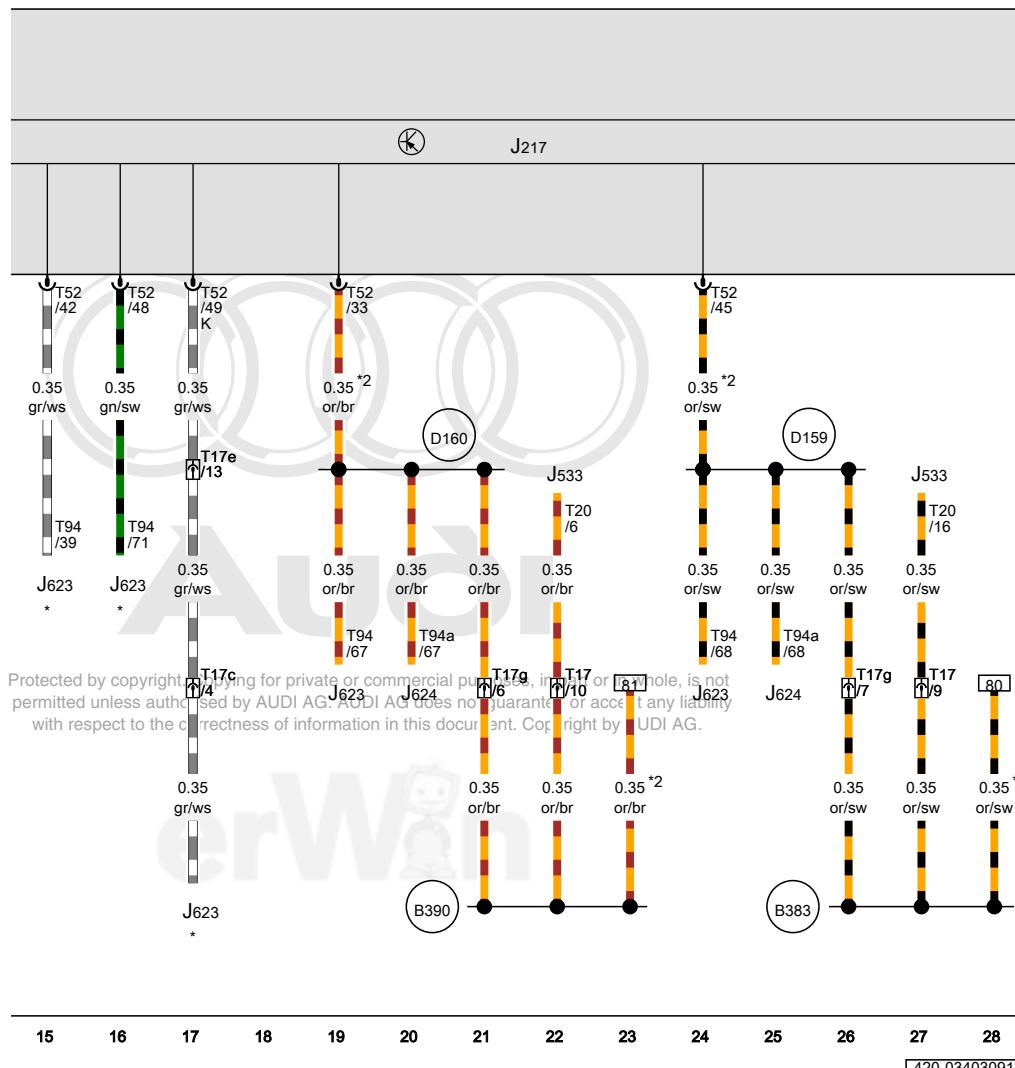
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Transmission control module, Fuse panel 1

- J217 Transmission control module
 J329 Terminal 15 power supply relay
 SC1 Fuse 1 (on fuse panel C)
 ST1 Fuse panel 1
 SD1 Fuse 1 (on fuse panel D)
 SC3 Fuse 3 (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)
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T52 52-pin connector, black
 85 Ground connection 1 (in engine compartment wiring harness)
 131 Ground connection 2 (in engine compartment wiring harness)
 209 Ground connection 6 (in engine compartment wiring harness)
 317 Ground connection 7 (in engine compartment wiring harness)
- 708** Ground connection 2 on right rear chassis side member
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- 713 Ground connection under rear shelf, right
 B163 Positive connection 1 (15) (in interior wiring harness)
 D50 Positive connection (30) (in engine compartment wiring harness)
 D51 Positive connection 1 (15) (in engine compartment wiring harness)
- * Only in vehicles with 10-cylinder engine
 *2 Relay carrier in the right front footwell
 *3 Main fuse box in the right front footwell

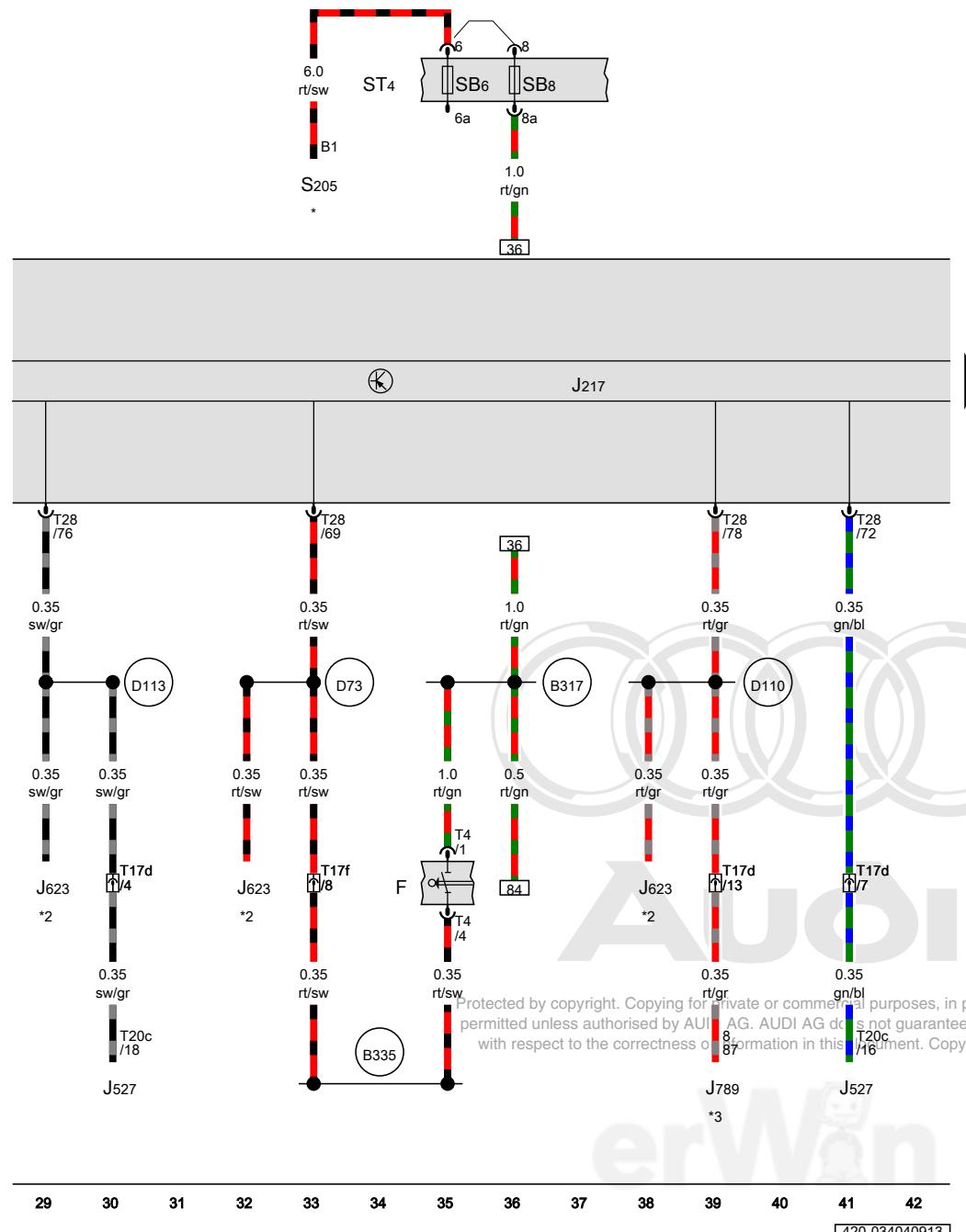
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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink



Transmission control module

- J217 Transmission control module
 - J533 Data bus on board diagnostic interface
 - J623 Engine control module
 - J624 Engine control module 2
 - T17 17-pin connector, Inside the center console connector station on the right side, red
 - T17c 17-pin connector, Inside the center console connector station on the right side, blue
 - T17e 17-pin connector, Connector station under the rear shelf, right, red
 - T17g 17-pin connector, Connector station under the rear shelf, right, black
 - T20 20-pin connector, red
 - T52 52-pin connector, black
 - T94 94-pin connector, black
 - T94a 94-pin connector, black
 - (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
 - (B390) Powertrain CAN bus low connection 1 (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 Data bus wire (CAN bus)

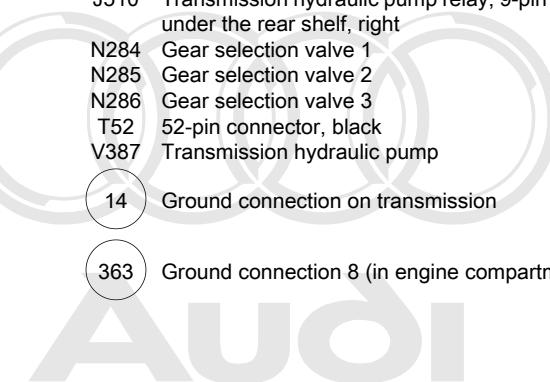
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Brake lamp switch, Transmission control module

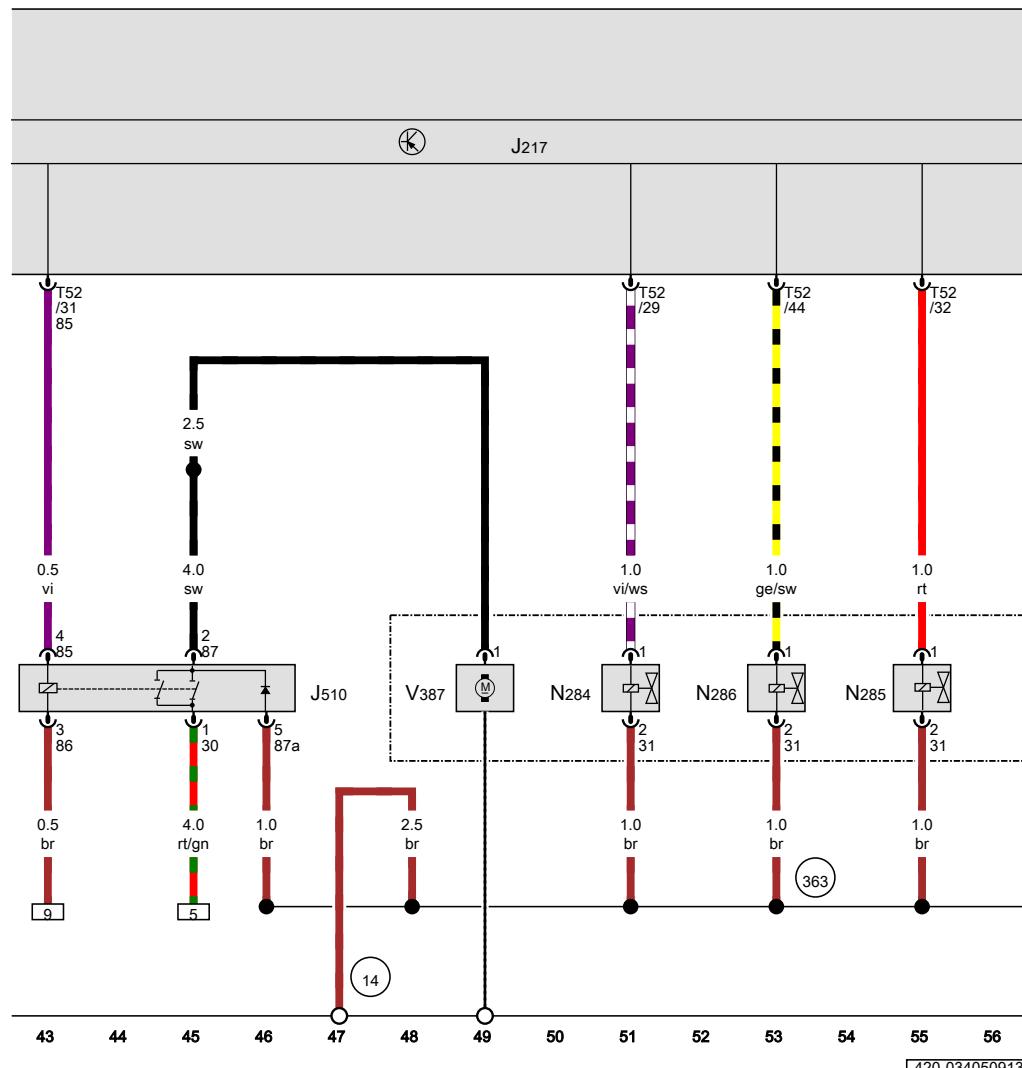
- F Brake lamp switch
 J217 Transmission control module
 J527 Steering column electronics control module
 J623 Engine control module
 J789 Control relay
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T4 4-pin connector, black
 T17d 17-pin connector, Connector station under the rear shelf, right, brown
 T17f 17-pin connector, Connector station under the rear shelf, right, white
 T20c 20-pin connector, black
 T28 28-pin connector, black
 (B317) Positive connection 3 (30a) (in main wiring harness)
 (B335) Connection 54 (in main wiring harness) 1
 (D73) Positive connection (54) (in engine compartment wiring harness)
 (D110) Connection 8 (in engine compartment wiring harness)
 (D113) Connection 11 (in engine compartment wiring harness)
 * Main distribution in the right front footwell
 *2 Refer to applicable engine wiring diagram
 *3 Relay and fuse holder B on the vehicle electrical system control module in the right front footwell

Transmission control module, Transmission hydraulic pump relay, Gear selection valve 1, Gear selection valve 2, Gear selection valve 3, Transmission hydraulic pump

- J217 Transmission control module
- J510 Transmission hydraulic pump relay, 9-pin relay and fuse panel C under the rear shelf, right
- N284 Gear selection valve 1
- N285 Gear selection valve 2
- N286 Gear selection valve 3
- T52 52-pin connector, black
- V387 Transmission hydraulic pump
- 14 Ground connection on transmission
- 363 Ground connection 8 (in engine compartment wiring harness)



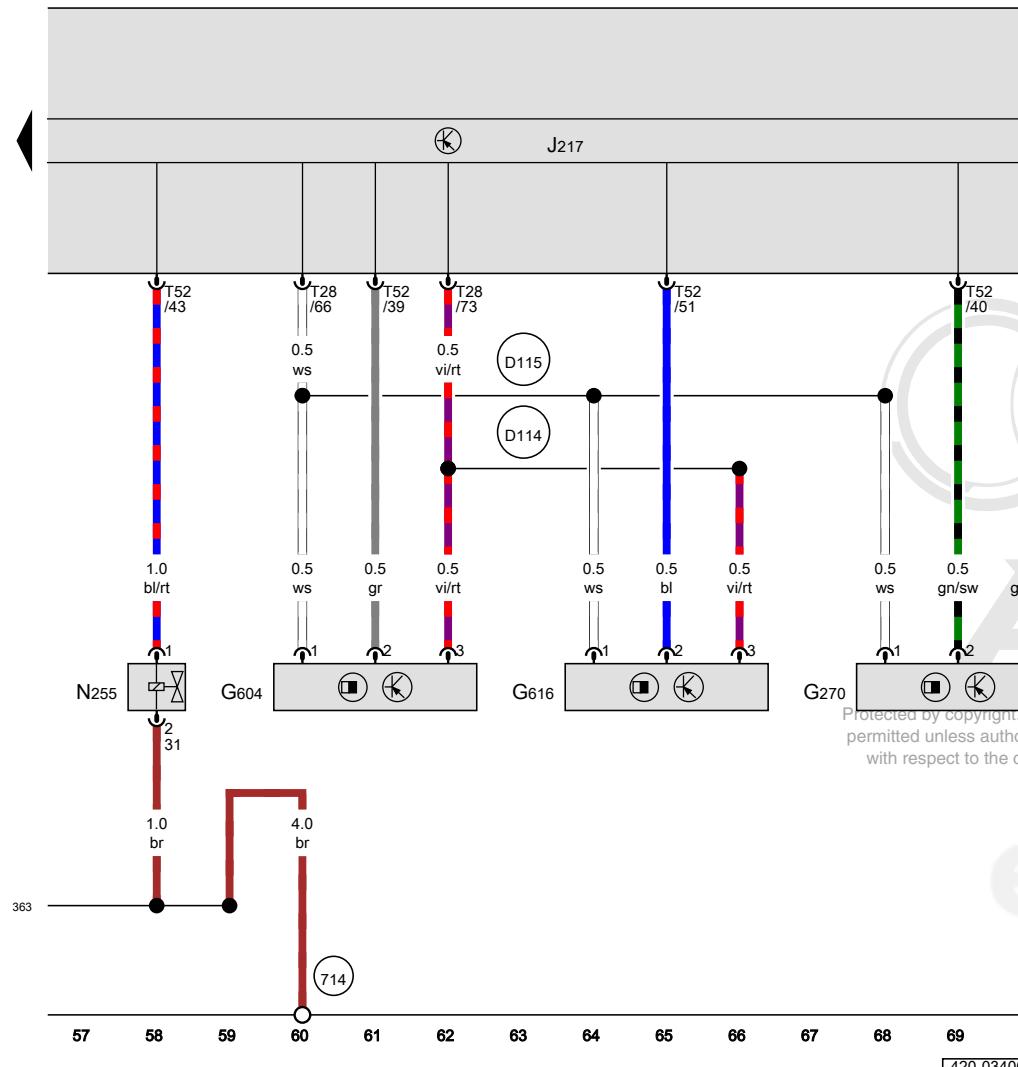
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Hydraulic pressure sensor, Gear recognition sensor, Gear recognition sensor 2, Transmission control module, Clutch actuator valve

G270 Hydraulic pressure sensor
G604 Gear recognition sensor
G616 Gear recognition sensor 2
J217 Transmission control module
N255 Clutch actuator valve
T28 28-pin connector, black
T52 52-pin connector, black

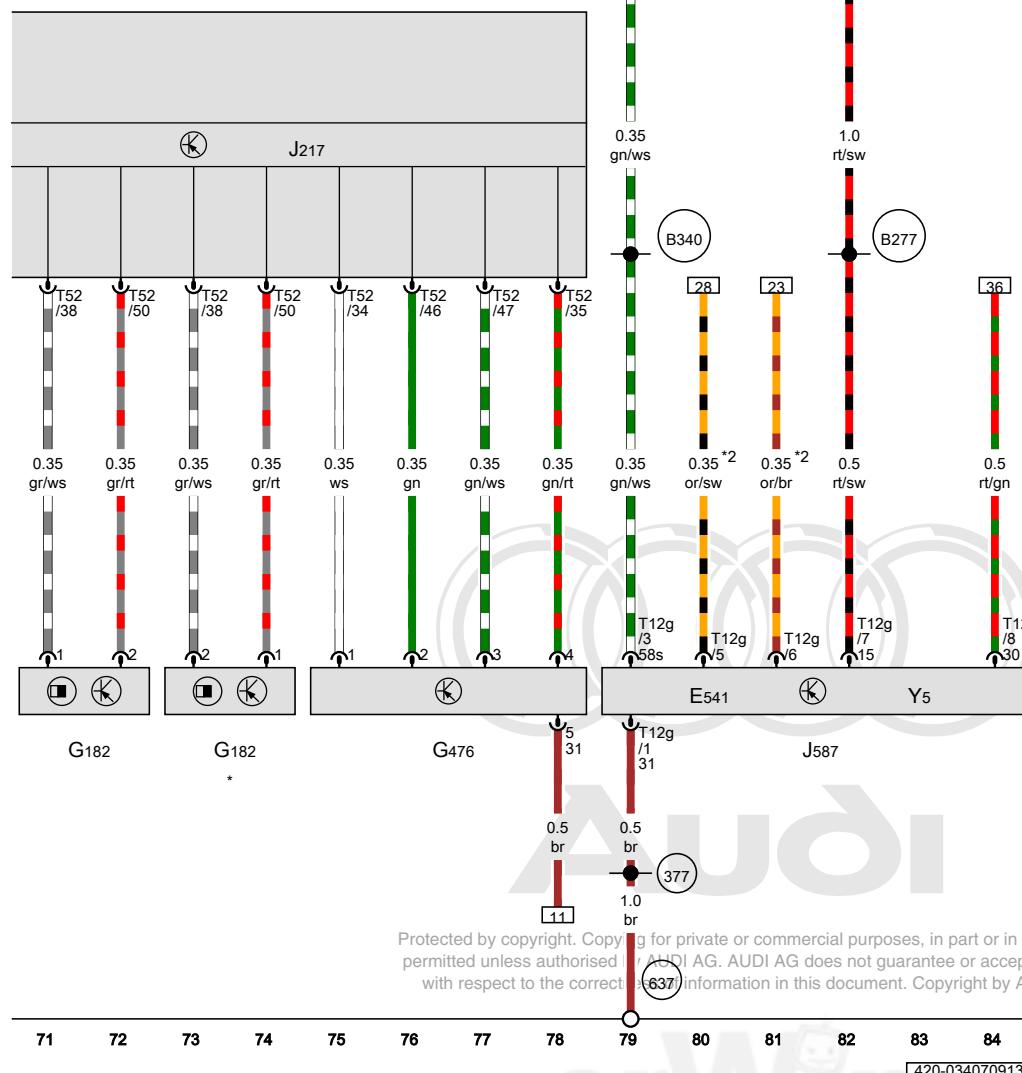
- (363) Ground connection 8 (in engine compartment wiring harness)
- (714) Ground connection on engine, right
- (D114) Connection 12 (in engine compartment wiring harness)
- (D115) Connection 13 (in engine compartment wiring harness)



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

F420-00340609131



Sport program button, Transmission input speed sensor,
Clutch position sensor, Transmission control module,
Selector lever sensor system control module, Selector lever
transmission range display

- E541 Sport program button
 - G182 Transmission input speed sensor
 - G476 Clutch position sensor
 - J217 Transmission control module
 - J519 Vehicle electrical system control module
 - J587 Selector lever sensor system control module
 - ST2 Fuse panel 2
 - SB5 Fuse 5 (on fuse panel B)
 - SB6 Fuse 6 (on fuse panel B)
 - T12g 12-pin connector
 - T52 52-pin connector, black
 - T52b 52-pin connector, yellow
 - Y5 Selector lever transmission range display

377 Ground connection 12 (in main wiring harness)

637 Airbag control module ground connection

B277 Positive connection 1 (15a) (in main wiring harness)

B340 Connection 58d (in main wiring harness) 1

* Only in vehicles with 10-cylinder engine

*2 Data bus wire (CAN bus)

* Only in vehicles with 10-cylinder engine

*2 Data bus wire (CAN bus)

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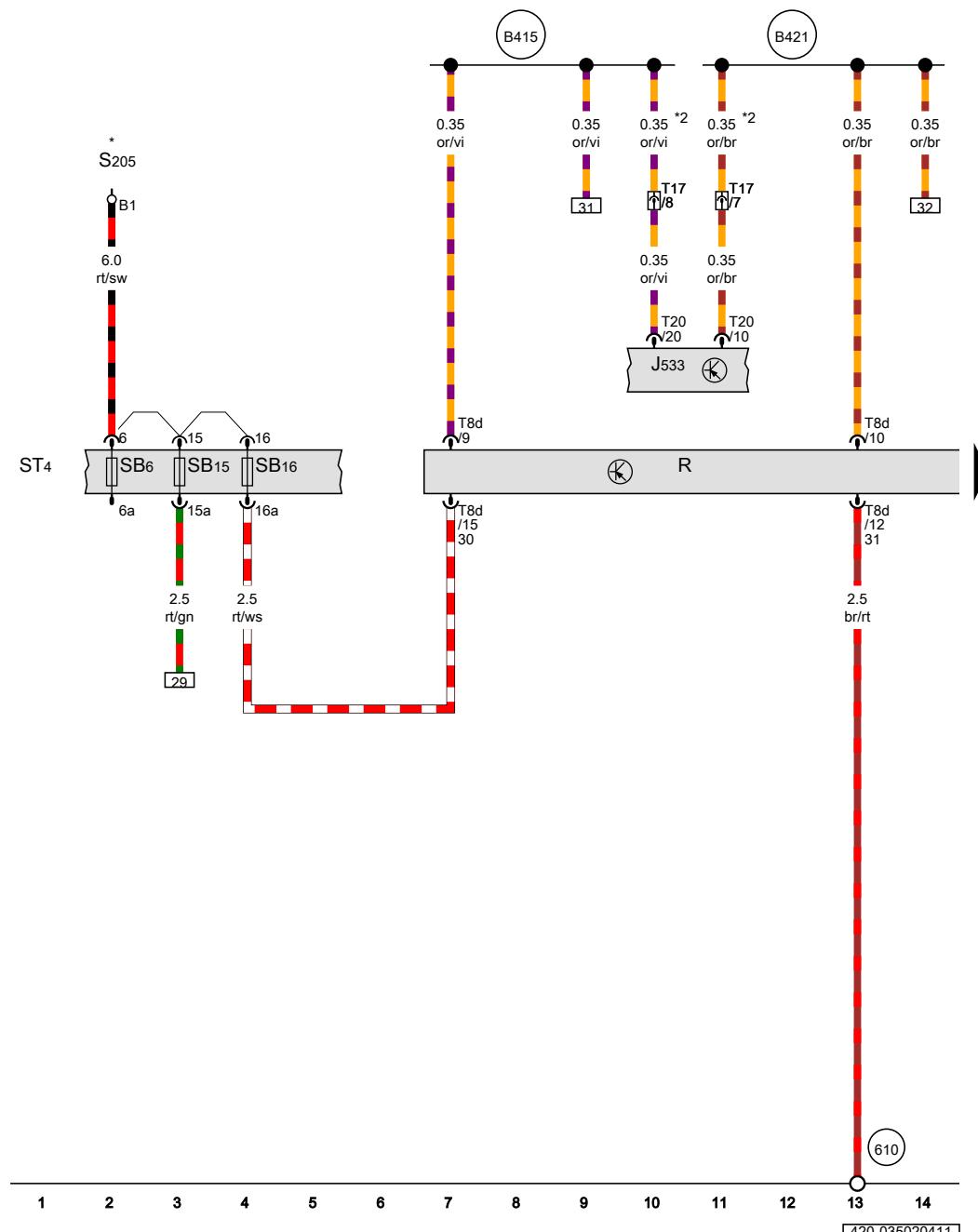
Radio with standard sound system

From June 2009



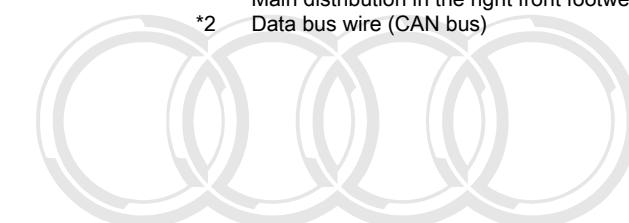
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Data bus on board diagnostic interface, Radio

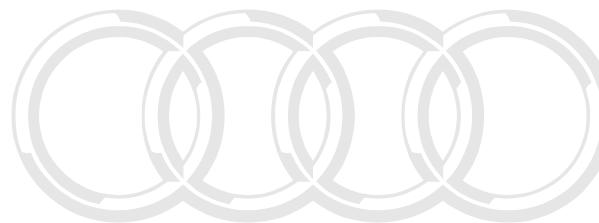
- J533 Data bus on board diagnostic interface
- R Radio
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T8d 8-pin connector
- T17 17-pin connector, Inside the center console connector station on the right side
- T20 20-pin connector
- 610 Audio ground connection under front center console
- (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
- (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Main distribution in the right front footwell
- *² Data bus wire (CAN bus)



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| li | = lilac |
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Digital sound system control module, Radio

J525 Digital sound system control module

R Radio

T8d 8-pin connector

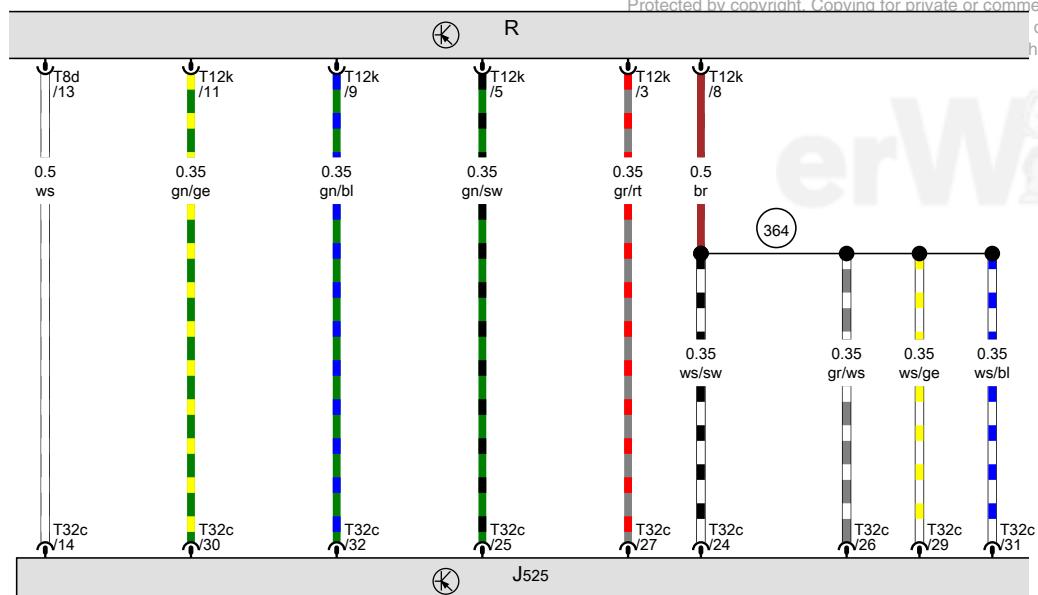
T12k 12-pin connector

T32c 32-pin connector

364 Low frequency ground connection 1 (in instrument panel wiring harness)

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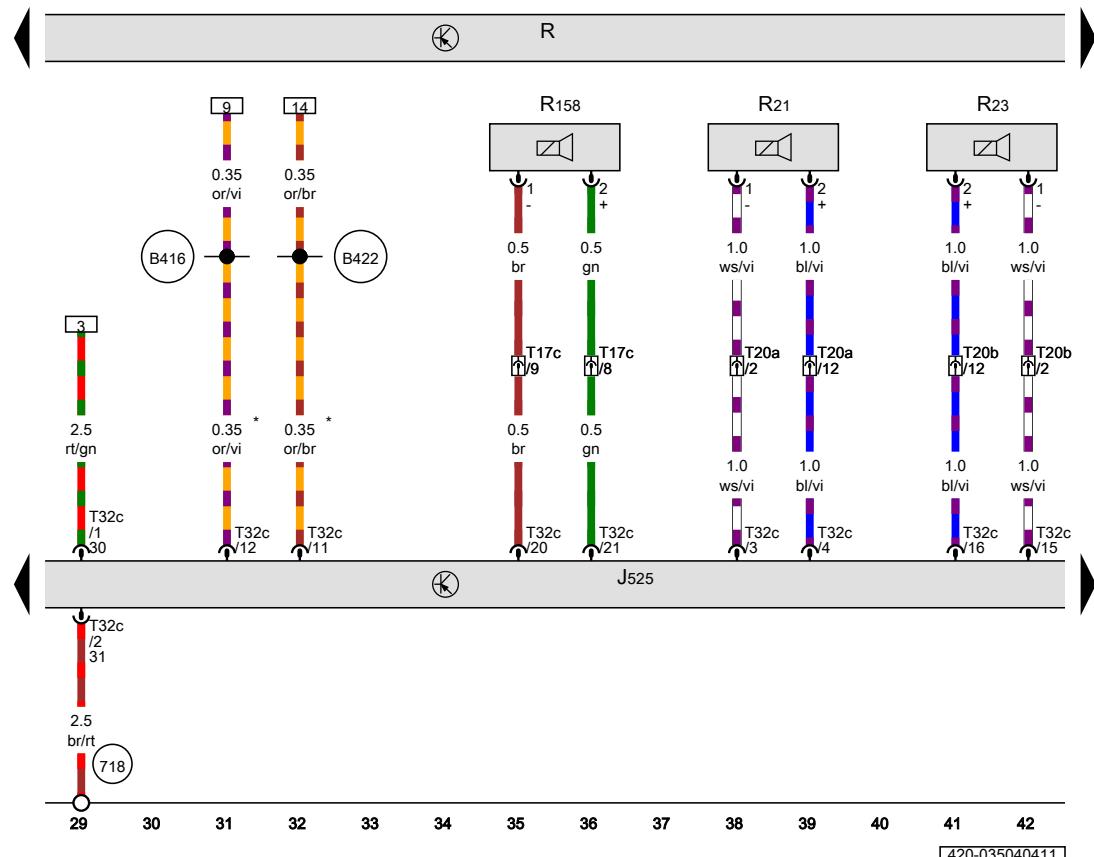
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15 16 17 18 19 20 21 22 23 24 25 26 27 28

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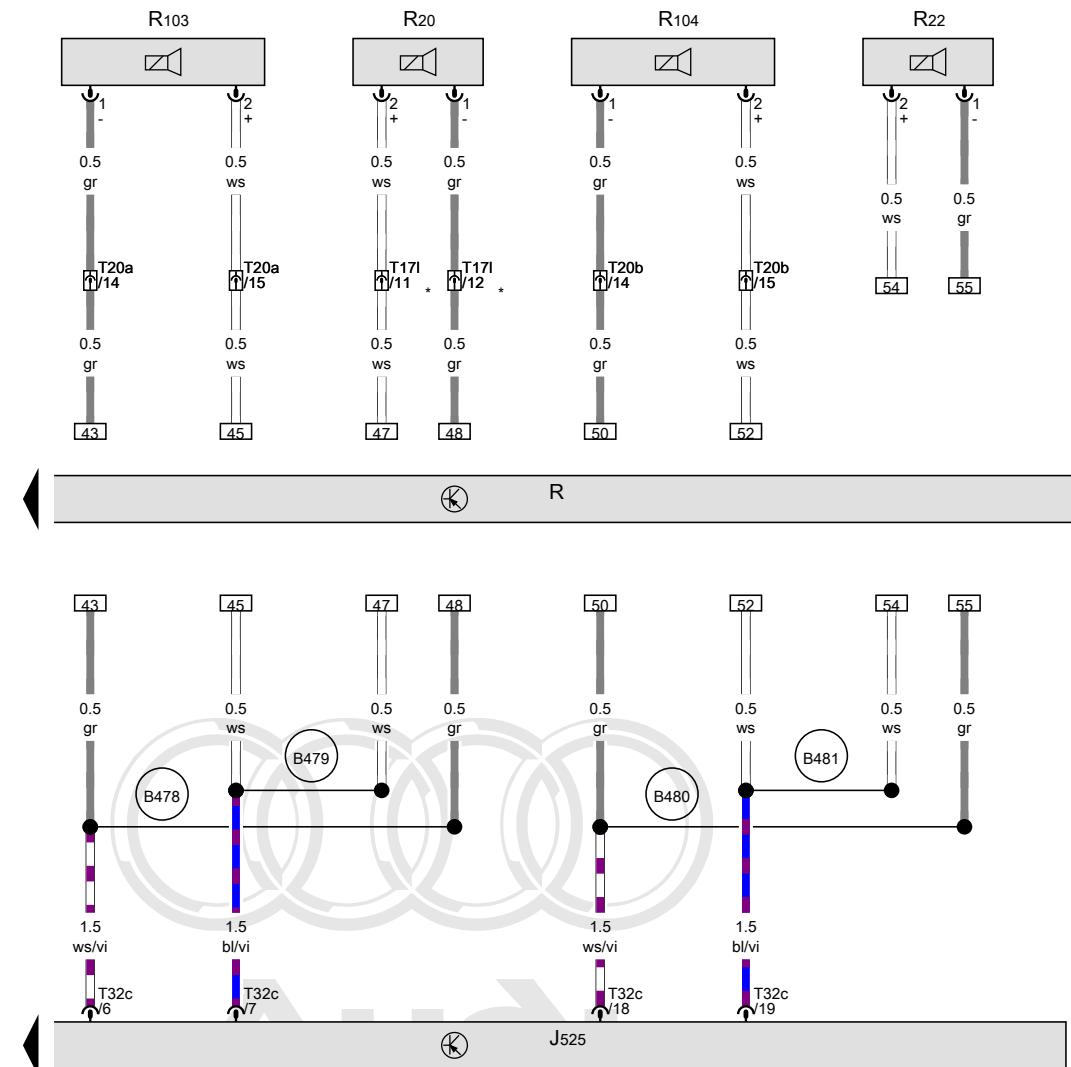
Digital sound system control module, Radio, Left front bass speaker, Right front bass speaker, Center mid-treble speaker

- J525 Digital sound system control module
 - R Radio
 - R21 Left front bass speaker
 - R23 Right front bass speaker
 - R158 Center mid-treble speaker
 - T17c 17-pin connector, Inside the center console connector station on the right side
 - T20a 20-pin connector, in the left front door
 - T20b 20-pin connector, in the right front door
 - T32c 32-pin connector
 - 718 Audio ground connection under rear shelf
 - (B416) Infotainment CAN Bus high connection 2 (in main wiring harness)
 - (B422) Infotainment CAN bus low connection 2 (in main wiring harness)
- * Data bus wire (CAN bus)



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Digital sound system control module, Radio, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R103 Left front midrange speaker
- R104 Right front midrange speaker
- T17I 17-pin connector, on the left A-pillar
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T32c 32-pin connector

(B478) Connection 14 (in main wiring harness)

(B479) Connection 15 (in main wiring harness)

(B480) Connection 16 (in main wiring harness)

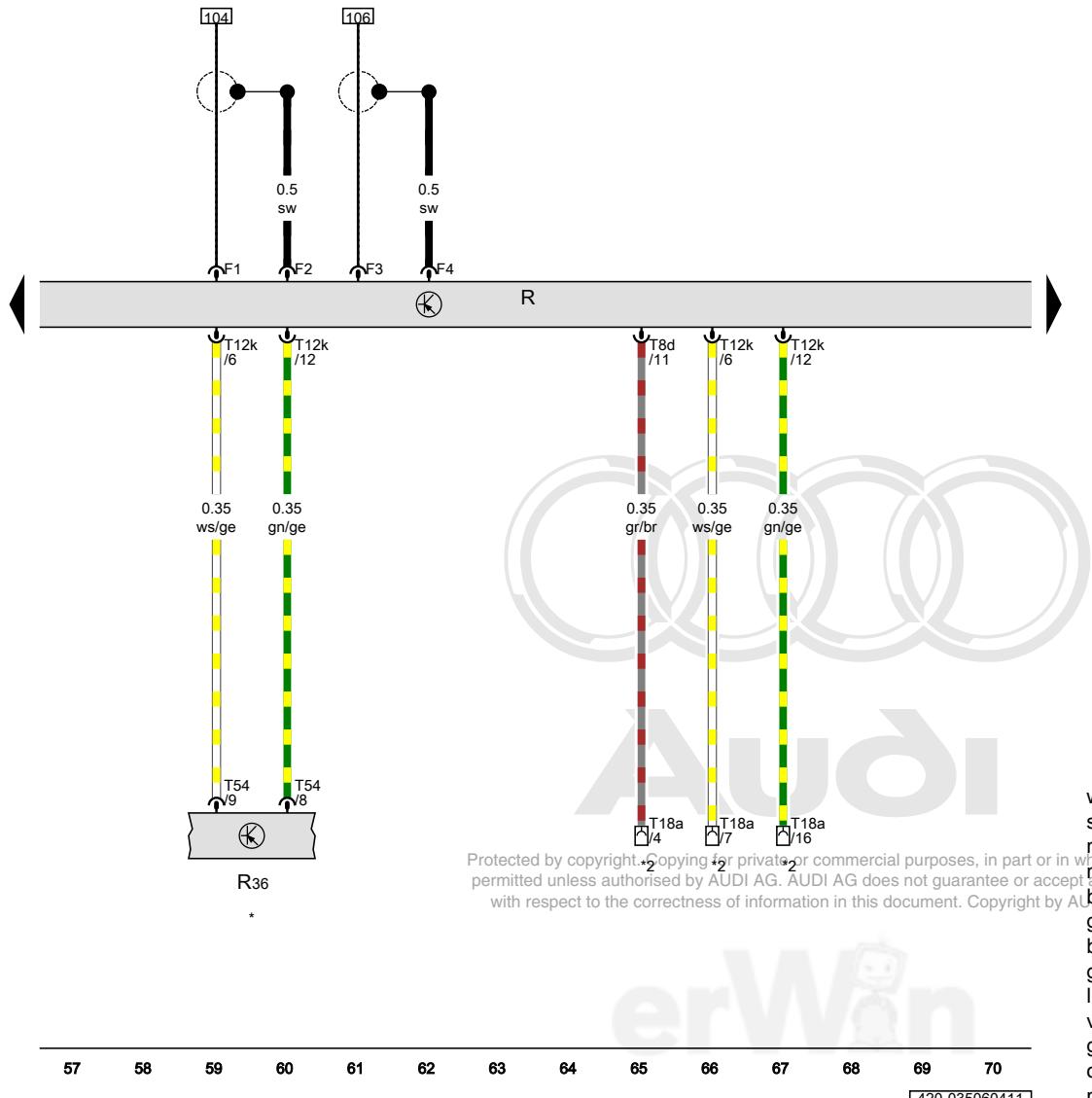
(B481) Connection 17 (in main wiring harness)

* Depending on equipment

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| rt | = red |
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Radio

- R Radio
- R36 Telephone transceiver
- T8d 8-pin connector
- T12k 12-pin connector
- T18a 18-pin connector, behind the glove compartment
- T54 54-pin connector
- * Only for vehicles with cell phone preparation
- *2 Only with cell phone preparation without hands-free system



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| rs | = pink |

Radio, CD changer

R Radio
R41 CD changer
T12f 12-pin connector
T12i 12-pin connector

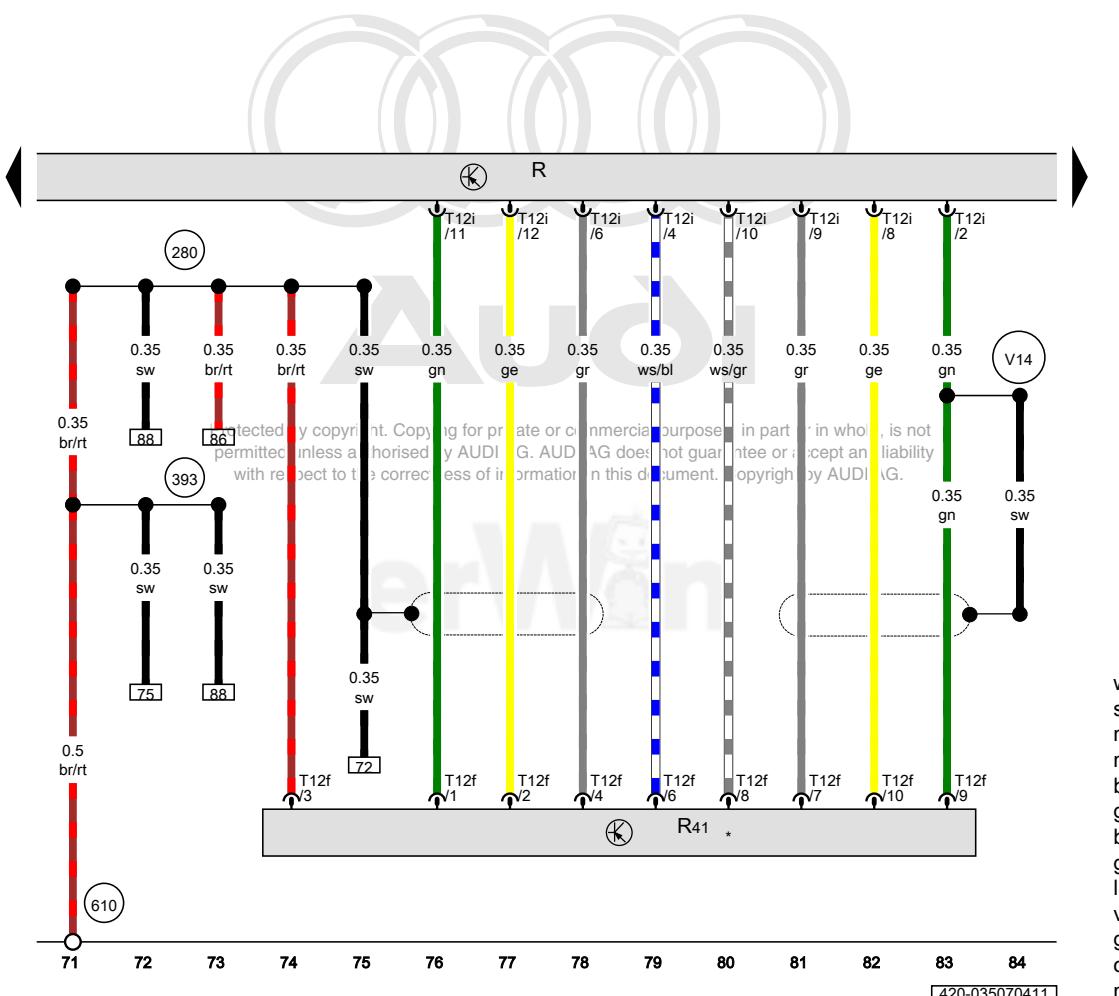
(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

(V14) Shielding connection (in CD changer wiring harness)

* Only for vehicles with CD changer



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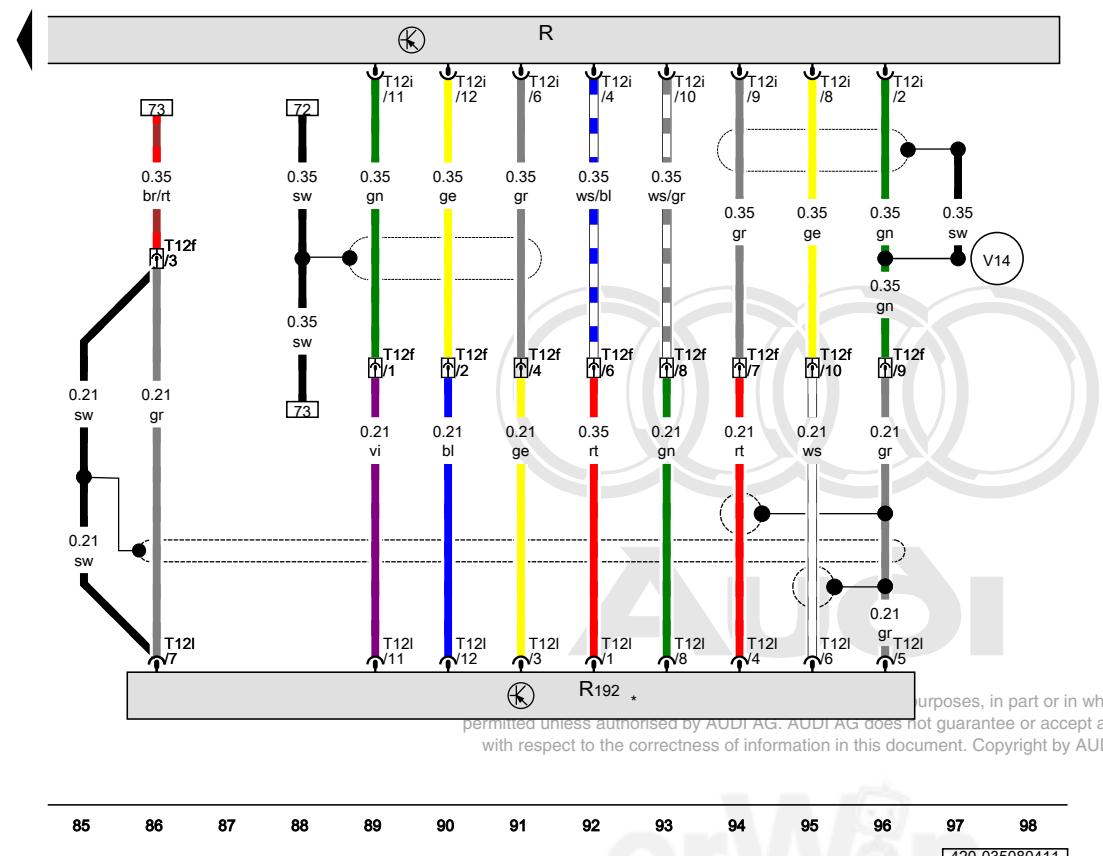
F420-0350704111

Radio

R Radio
 R192 iPod baseplate
 T12f 12-pin connector, in the rear center console
 T12i 12-pin connector
 T12l 12-pin connector

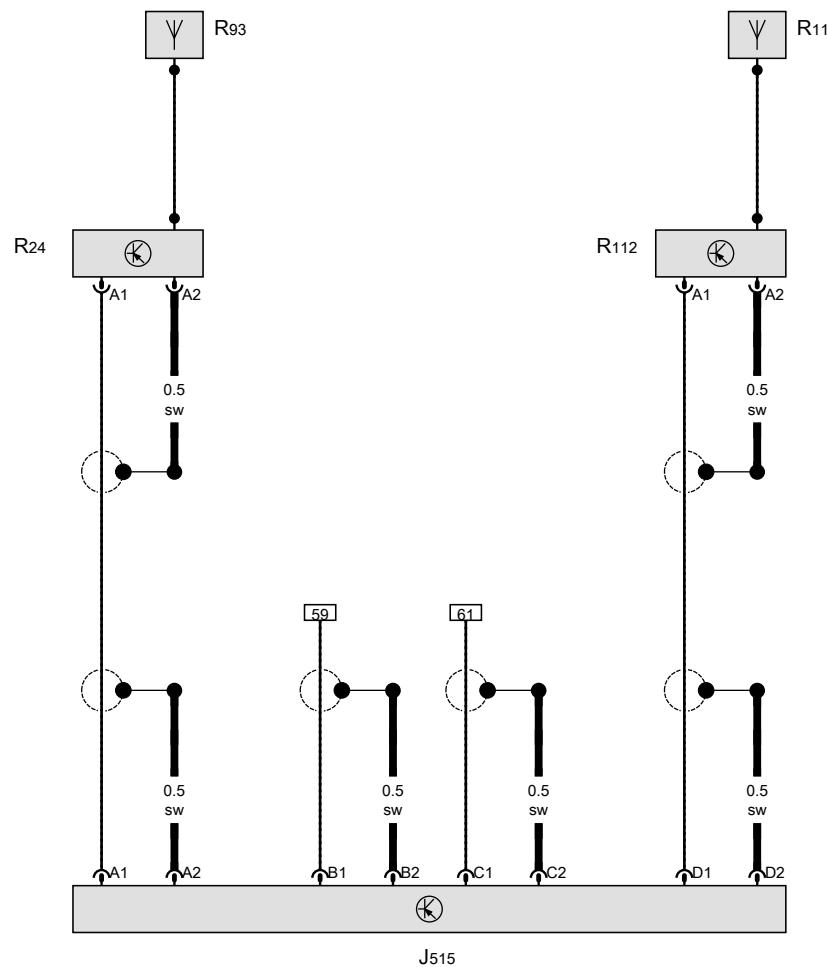
V14 Shielding connection (in CD changer wiring harness)

* Only for vehicles with iPod bracket



Antenna selection control module, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3

J515 Antenna selection control module
R11 Antenna
R24 Antenna amplifier
R93 Radio antenna 2
R112 Antenna amplifier 3



99 100 101 102 103 104 105 106 107 108 109 110 111 112
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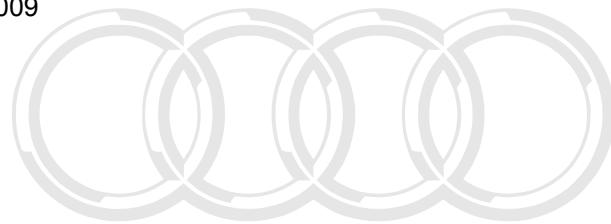
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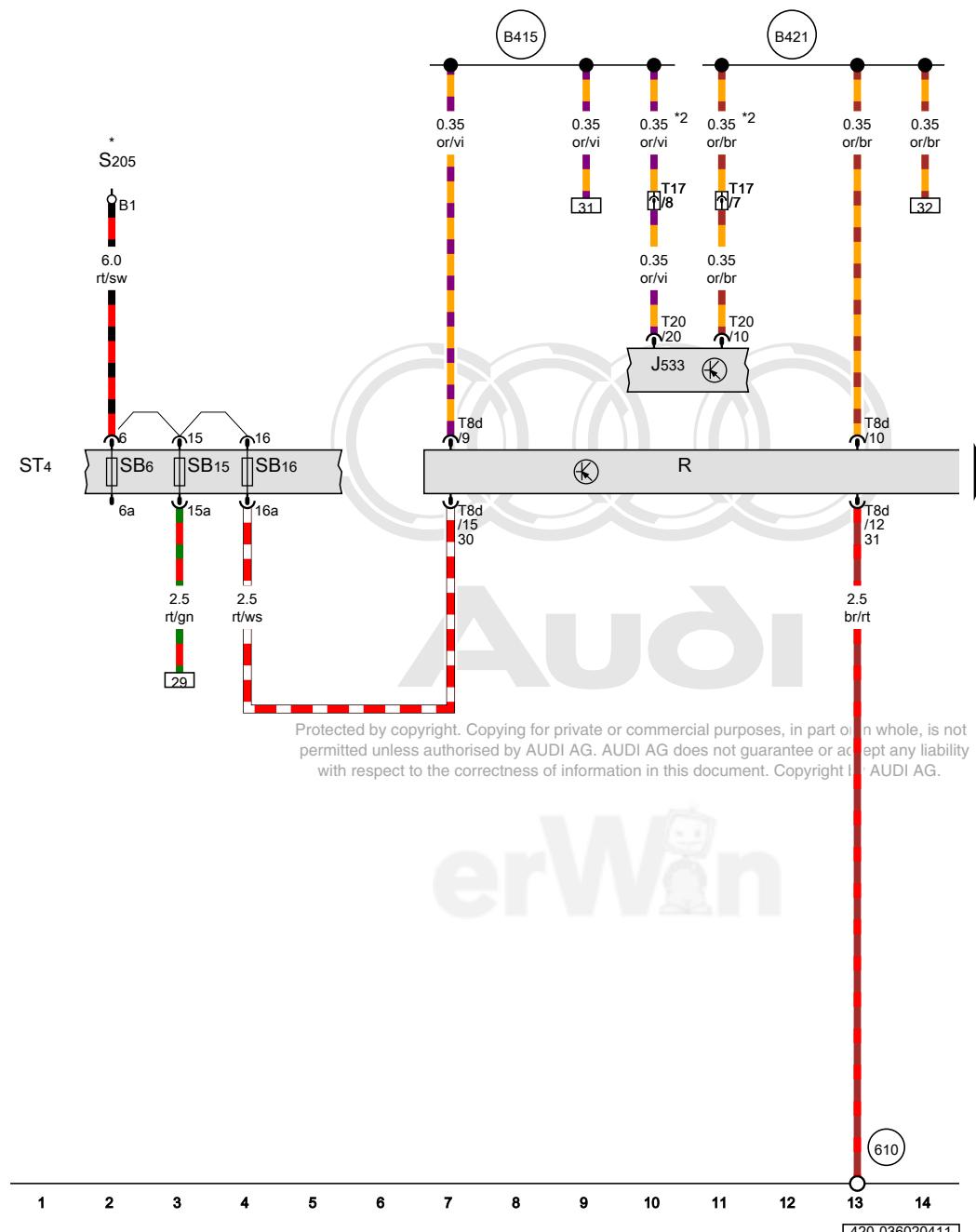
Radio with Bang & Olufsen sound system

From June 2009



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Data bus on board diagnostic interface, Radio

- J533 Data bus on board diagnostic interface
- R Radio
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- SB15 Fuse 15 (on fuse panel B)
- SB16 Fuse 16 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T8d 8-pin connector
- T17 17-pin connector, Inside the center console connector station on the right side
- T20 20-pin connector
- 610 Audio ground connection under front center console
- (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
- (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Main distribution in the right front footwell
- *2 Data bus wire (CAN bus)

Digital sound system control module, Radio

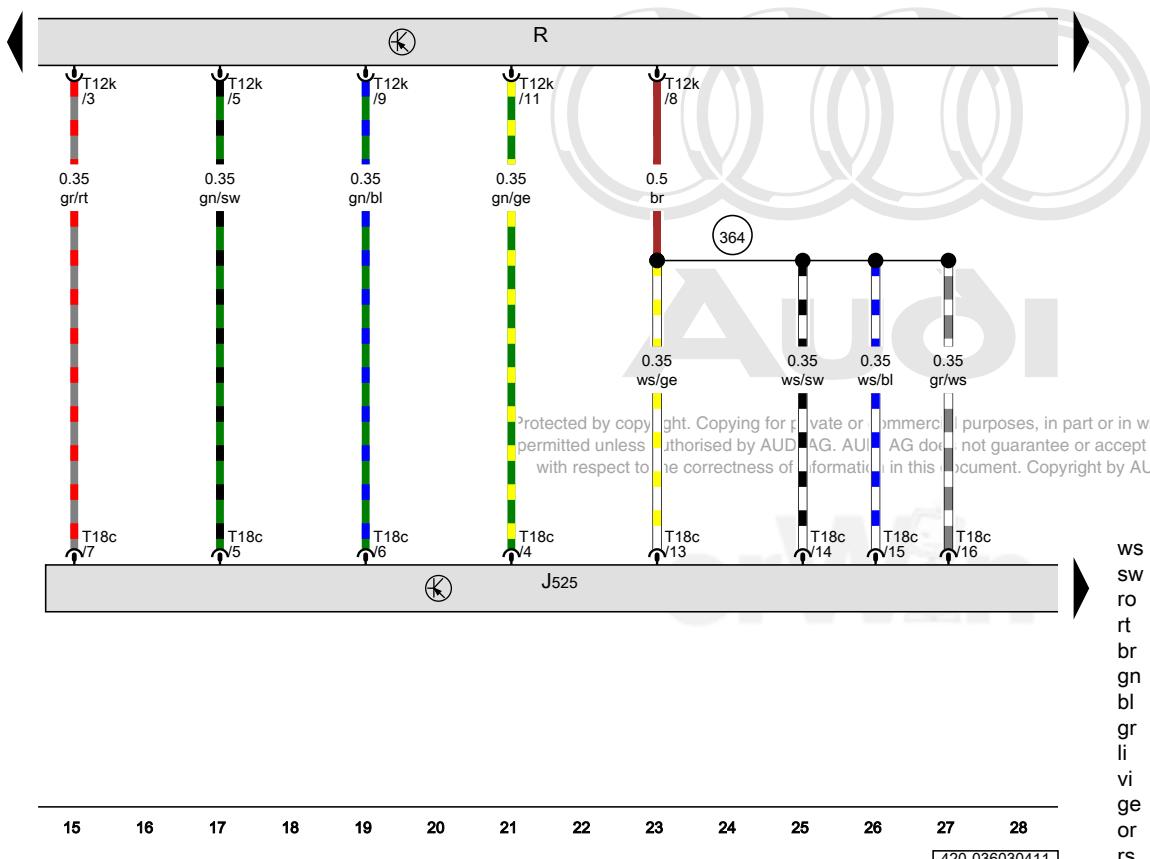
J525 Digital sound system control module

R Radio

T12k 12-pin connector

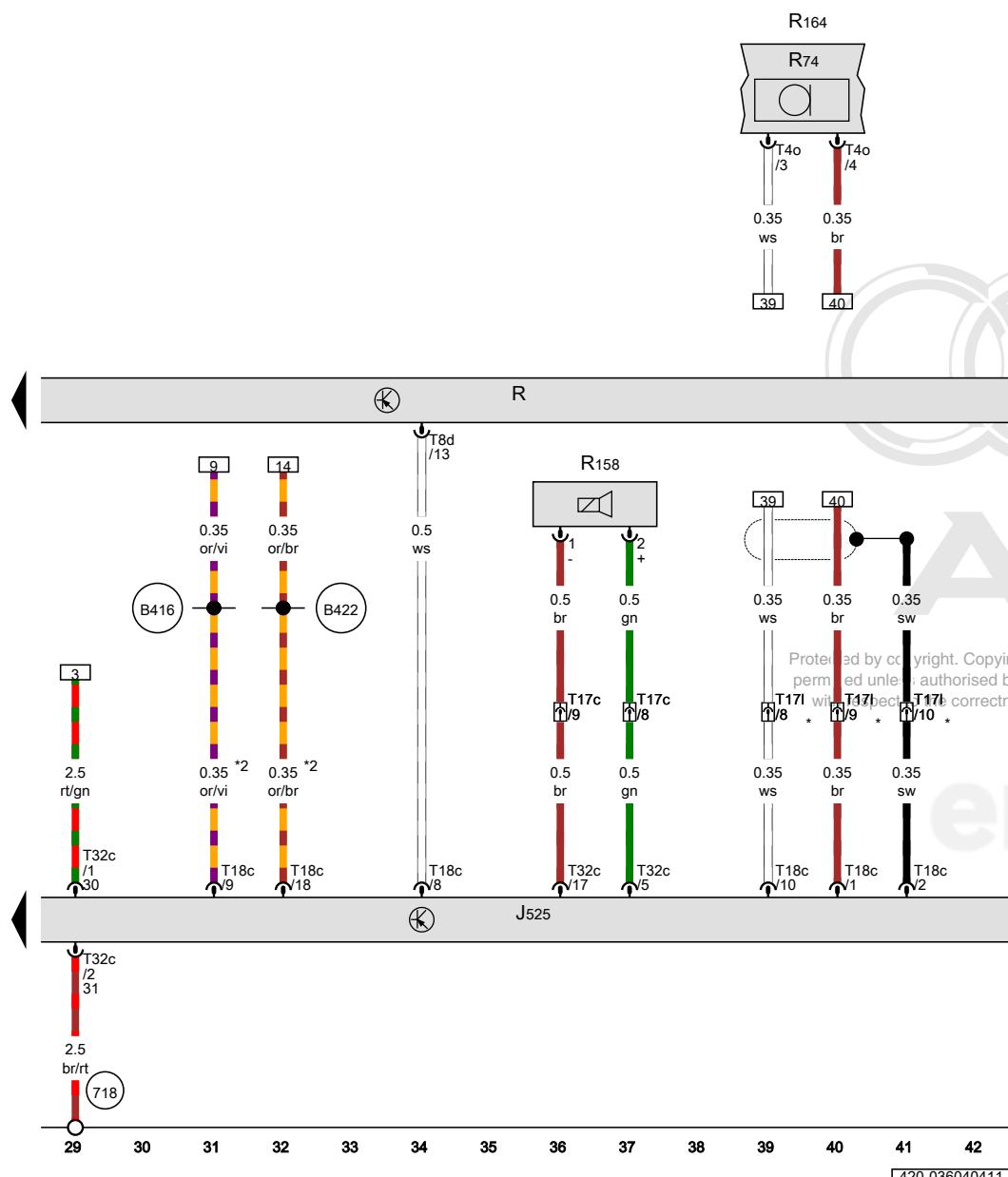
T18c 18-pin connector

(364) Low frequency ground connection 1 (in instrument panel 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

Digital sound system control module, Radio, Interior microphone, Center mid-treble speaker, Microphone unit in front roof module



- J525 Digital sound system control module
 R Radio
 R74 Interior microphone
 R158 Center mid-treble speaker
 R164 Microphone unit in front roof module
 T4o 4-pin connector
 T8d 8-pin connector
 T17c 17-pin connector, Inside the center console connector station on the right side
 T17l 17-pin connector, on the left A-pillar
 T18c 18-pin connector
 T32c 32-pin connector
 718 Audio ground connection under rear shelf
 B416 Infotainment CAN Bus high connection 2 (in main wiring harness)
 B422 Infotainment CAN bus low connection 2 (in main wiring harness)
- * Depending on equipment
 *2 Data bus wire (CAN bus)

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F420-0360404111

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

J525 Digital sound system control module

R Radio

R14 Left rear treble speaker

R22 Right front treble speaker

R104 Right front midrange speaker

R159 Left rear mid-bass speaker

T20b 20-pin connector, in the right front door

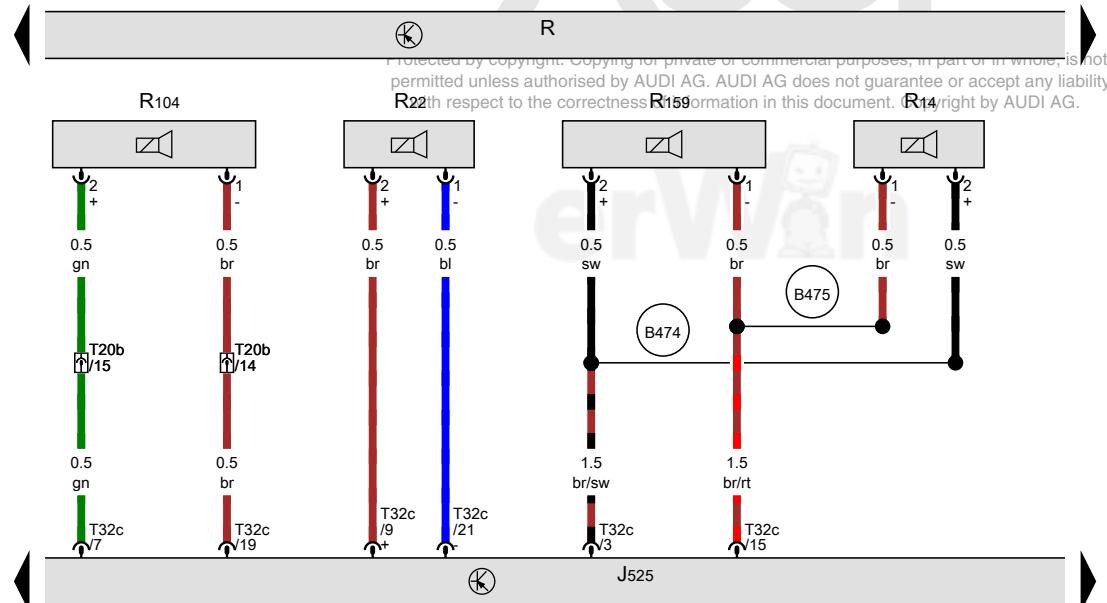
T32c 32-pin connector

(B474) Connection 10 (in main wiring harness)

(B475) Connection 11 (in main wiring harness)



Audi



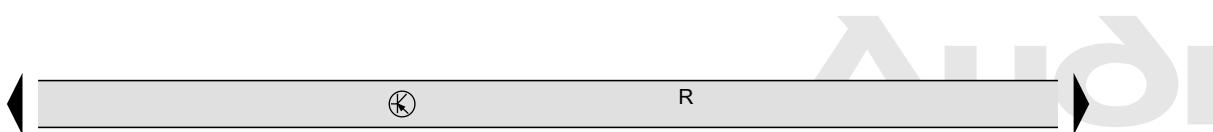
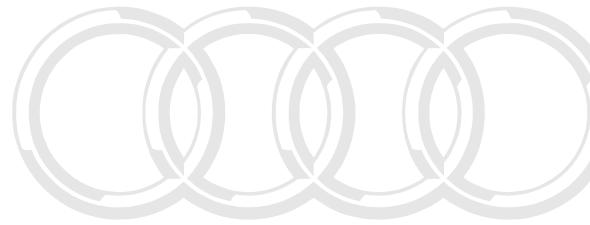
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43 44 45 46 47 48 49 50 51 52 53 54 55 56

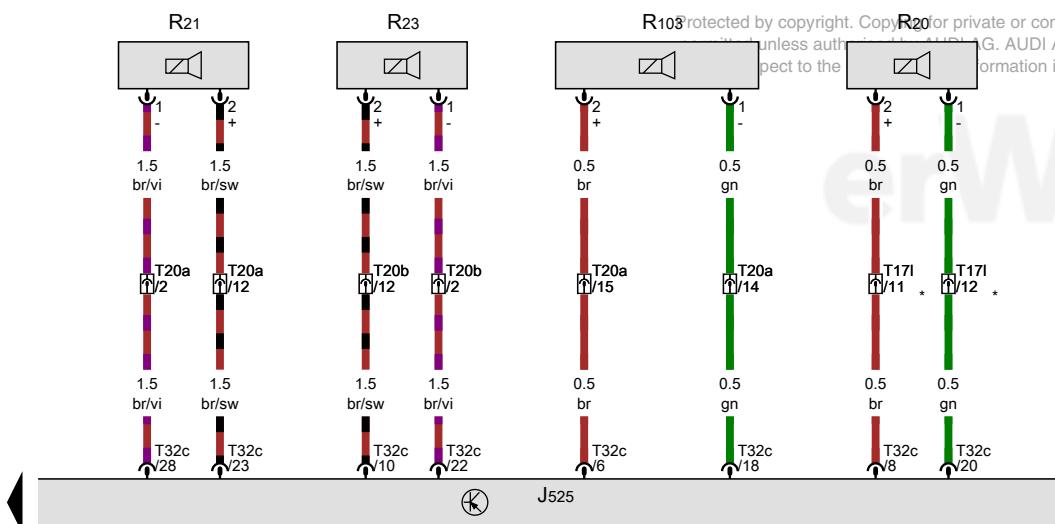
1420-0360504111

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

- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R21 Left front bass speaker
- R23 Right front bass speaker
- R103 Left front midrange speaker
- T17I 17-pin connector, on the left A-pillar
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T32c 32-pin connector
- * Depending on equipment



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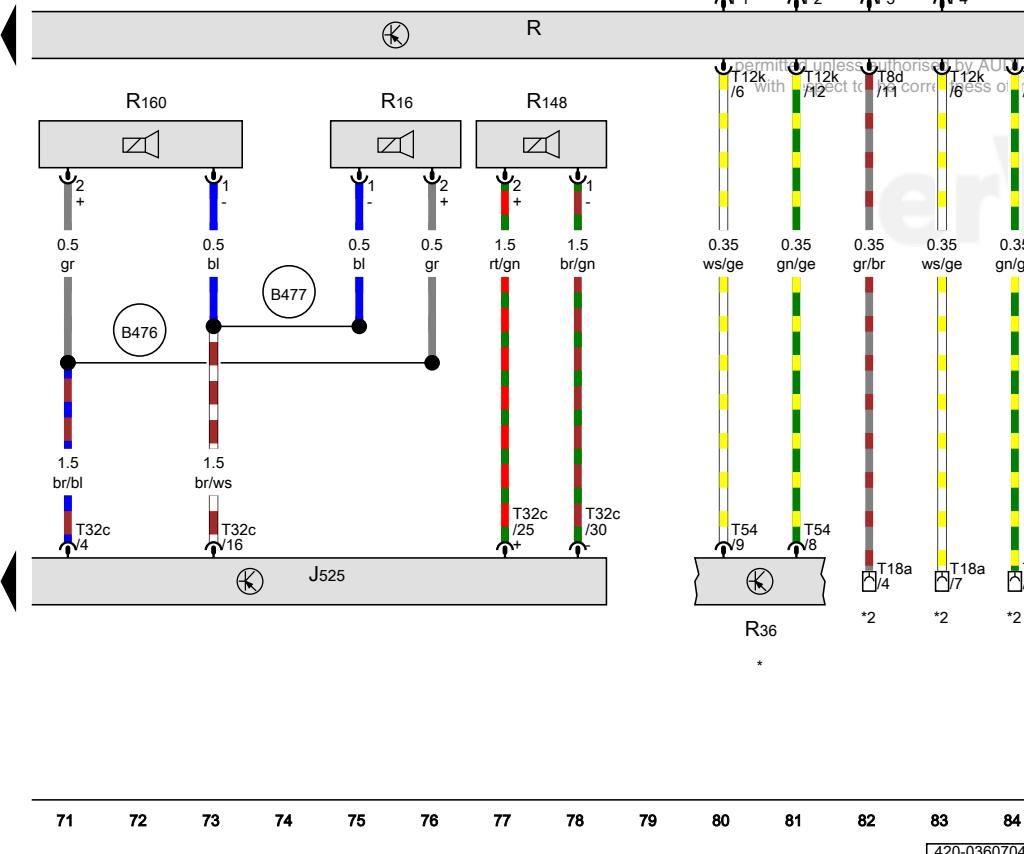
Digital sound system control module, Radio, Right rear treble speaker, Speaker in center, Right rear mid-bass speaker

- | | |
|------|--|
| J525 | Digital sound system control module |
| R | Radio |
| R16 | Right rear treble speaker |
| R36 | Telephone transceiver |
| R148 | Speaker in center |
| R160 | Right rear mid-bass speaker |
| T8d | 8-pin connector |
| T12k | 12-pin connector |
| T18a | 18-pin connector, behind the glove compartment |
| T32c | 32-pin connector |

- (B476) Connection 12 (in main wiring harness)

- (B477) Connection 13 (in main wiring harness)

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Only for vehicles with cell phone preparation
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| rs | = pink |

Radio, CD changer

R Radio
R41 CD changer
T12f 12-pin connector
T12i 12-pin connector

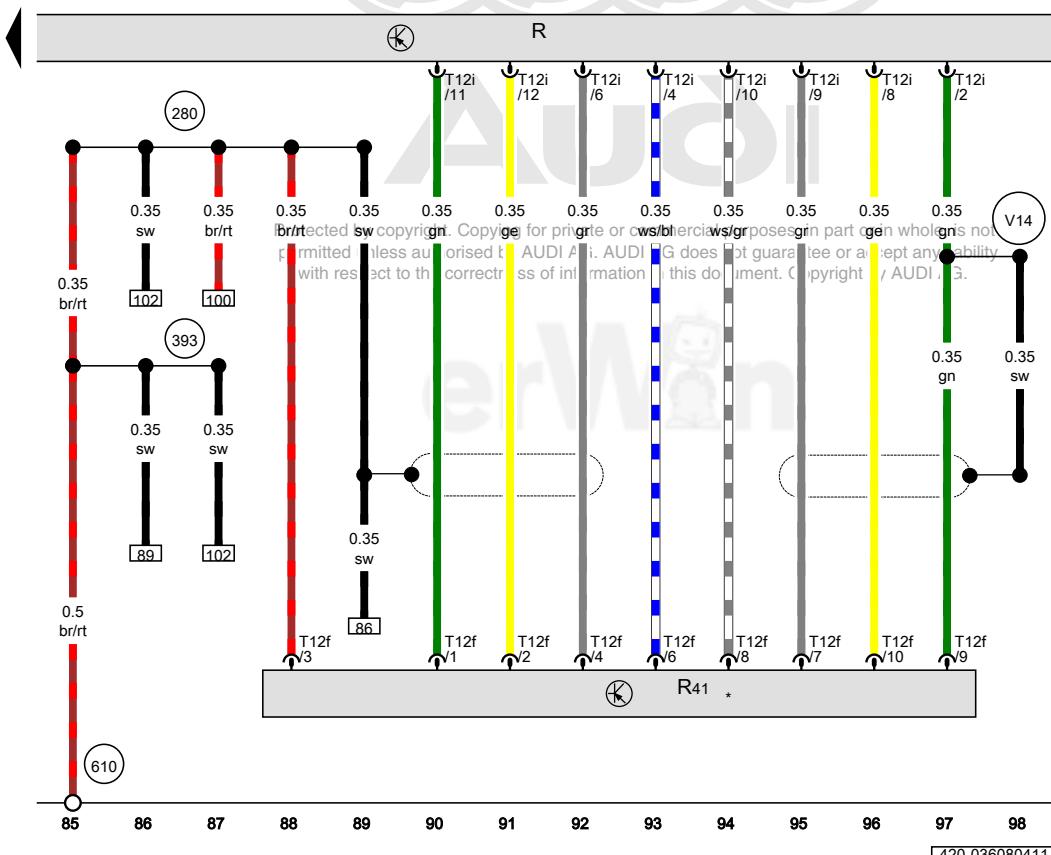
(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

(V14) Shielding connection (in CD changer wiring harness)

* Only for vehicles with CD changer



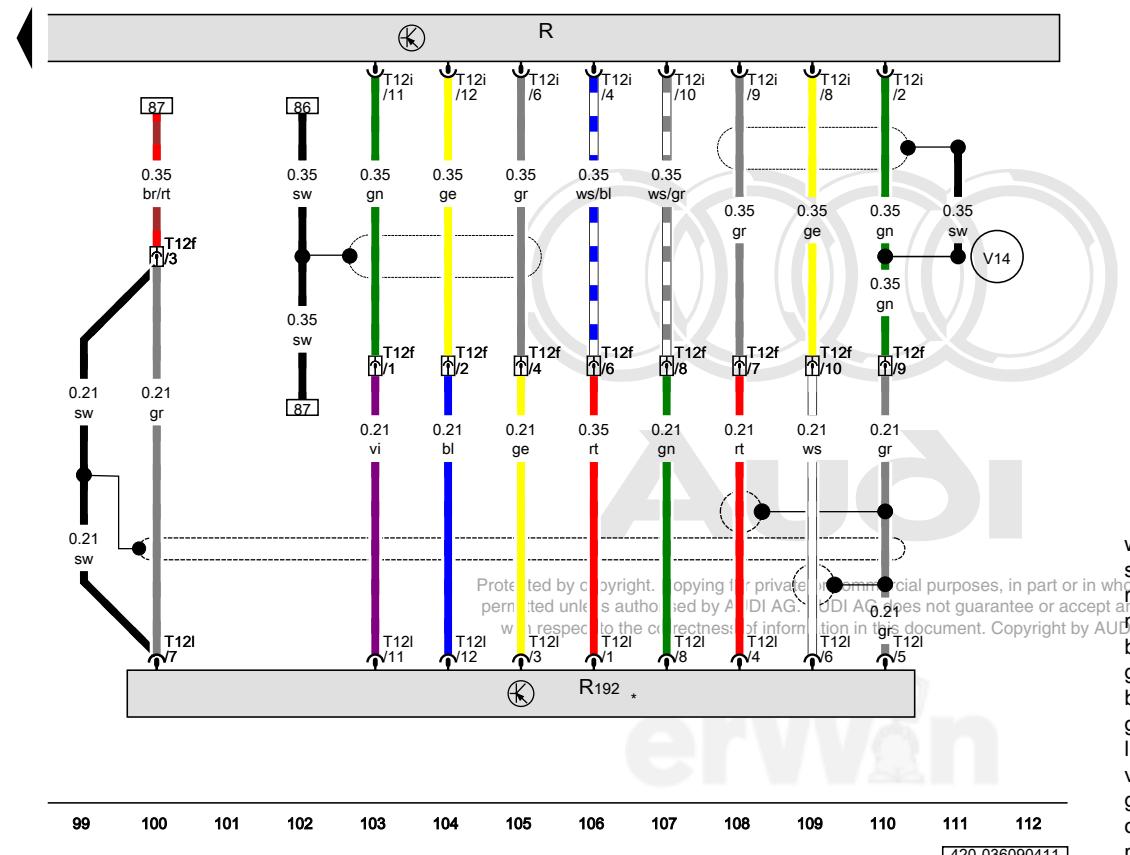
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| bl | = blue |
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| vi | = lilac |
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Radio

R Radio
 R192 iPod baseplate
 T12f 12-pin connector, in the rear center console
 T12i 12-pin connector
 T12l 12-pin connector

V14 Shielding connection (in CD changer wiring harness)

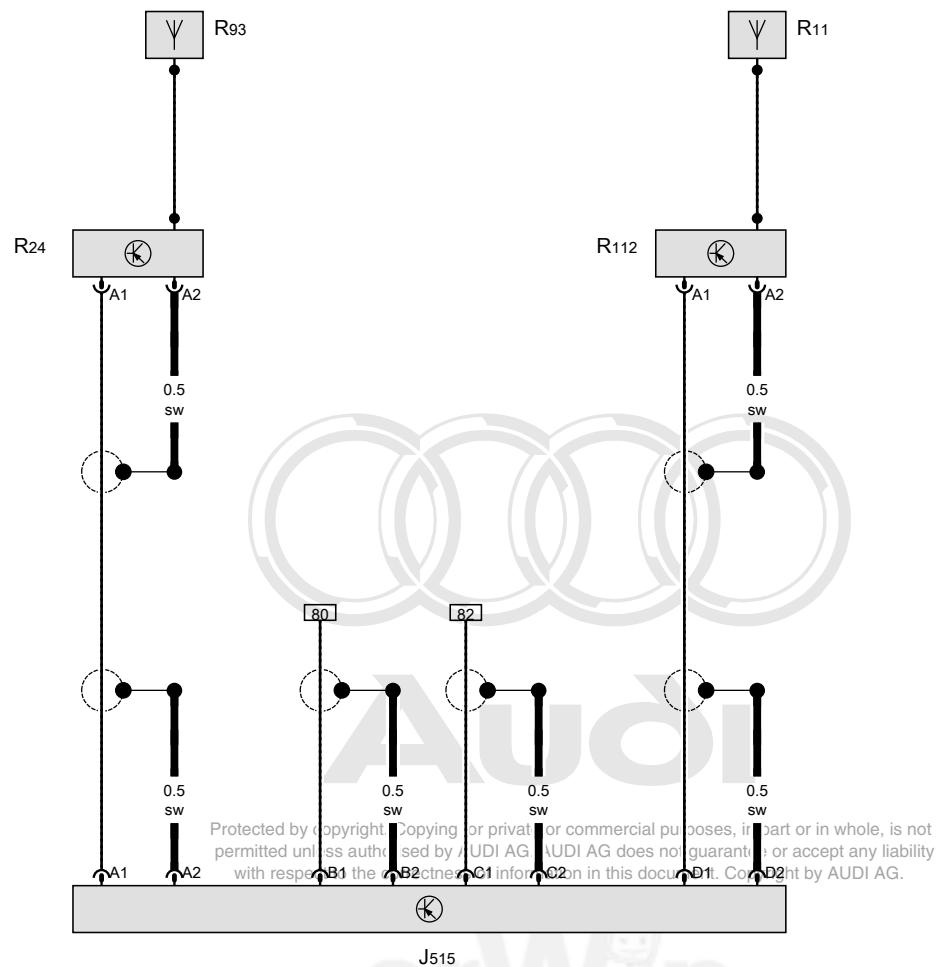
* Only for vehicles with iPod bracket



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 bl = blue
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Antenna selection control module, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3

J515 Antenna selection control module
 R11 Antenna
 R24 Antenna amplifier
 R93 Radio antenna 2
 R112 Antenna amplifier 3



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| vi | = lilac |
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CAN bus network

from May 2009



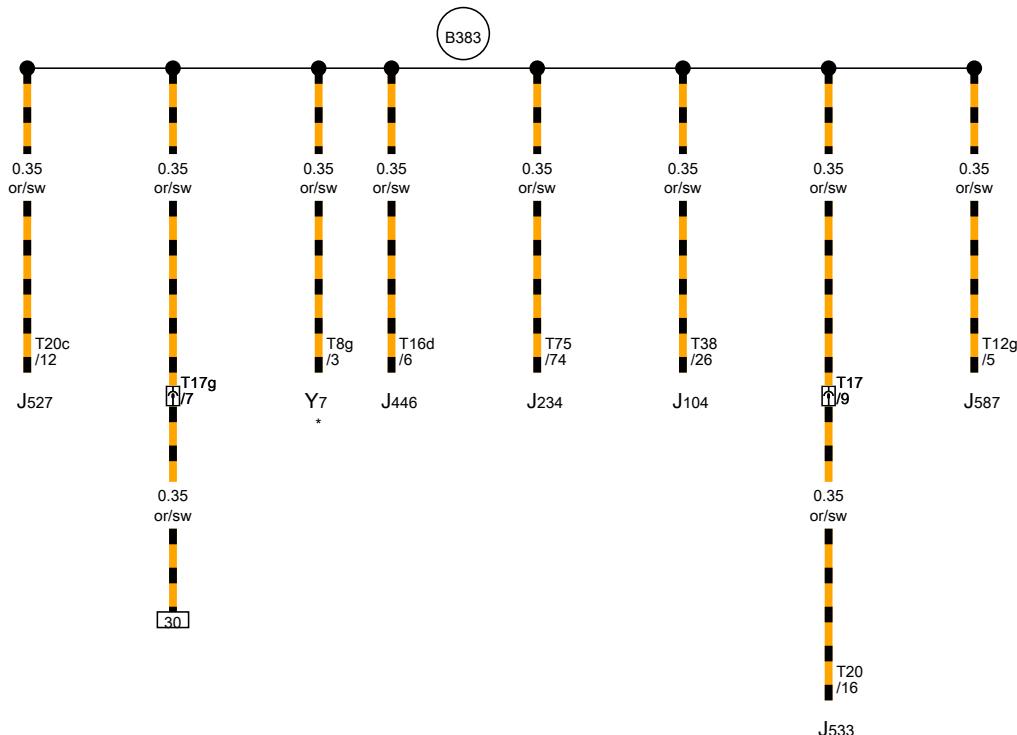
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Powertrain CAN bus high connection 1 (in main wiring harness)

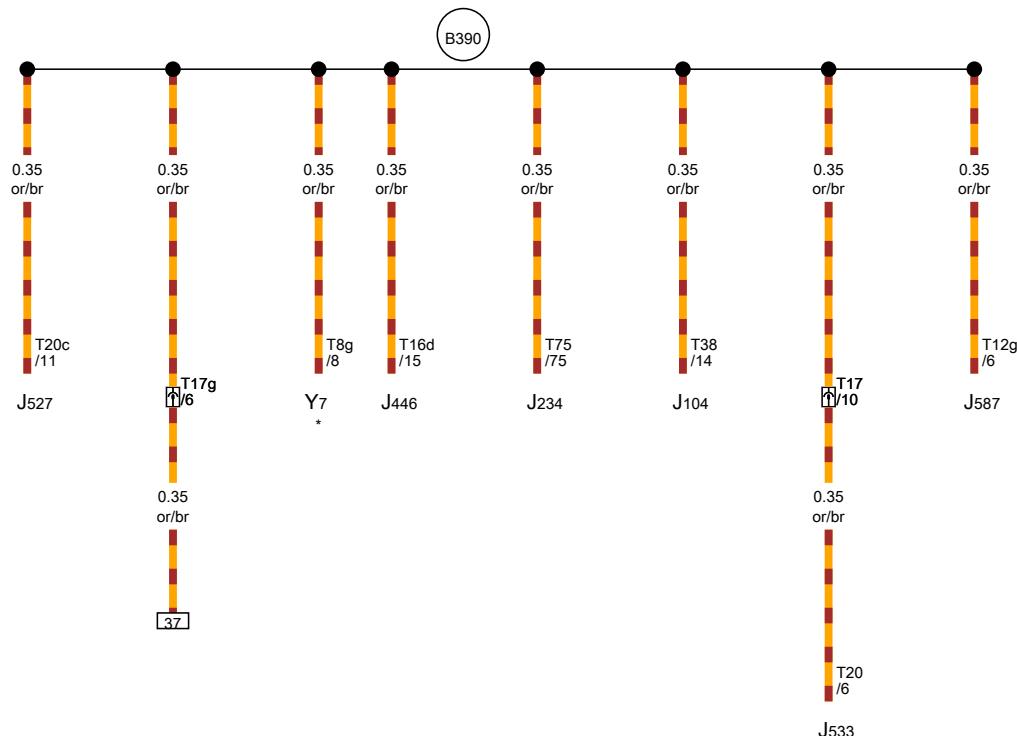
- J104 ABS control module
 J234 Airbag control module
 J446 Parking aid control module
 J527 Steering column electronics control module
 J533 Data bus on board diagnostic interface
 J587 Selector lever sensor system control module
 T8g 8-pin connector, black
 T12g 12-pin connector
 T16d 16-pin connector, brown
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T17g 17-pin connector, Connector station under the rear shelf, right, black
 T20 20-pin connector, red
 T20c 20-pin connector, black
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 T38 38-pin connector, gray
 T75 75-pin connector, yellow
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 Y7 Automatic dimming interior rearview mirror

B383 Powertrain CAN bus high connection 1 (in main wiring harness)
 * Only for vehicles with high beam assist



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 420-037009131

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



Powertrain CAN bus low connection 1 (in main wiring harness)

- J104 ABS control module
- J234 Airbag control module
- J446 Parking aid control module
- J527 Steering column electronics control module
- J533 Data bus on board diagnostic interface
- J587 Selector lever sensor system control module
- T8g 8-pin connector, black
- T12g 12-pin connector
- T16d 16-pin connector, brown
- T17 17-pin connector, Inside the center console connector station on the right side, red
- T17g 17-pin connector, Connector station under the rear shelf, right, black
- T20 20-pin connector, red
- T20c 20-pin connector, black
- T38 38-pin connector, gray
- T75 75-pin connector, yellow**
- Y7 Automatic dimming interior rearview mirror**

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(B390) Powertrain CAN bus low connection 1 (in main wiring harness)

* Only for vehicles with high beam assist

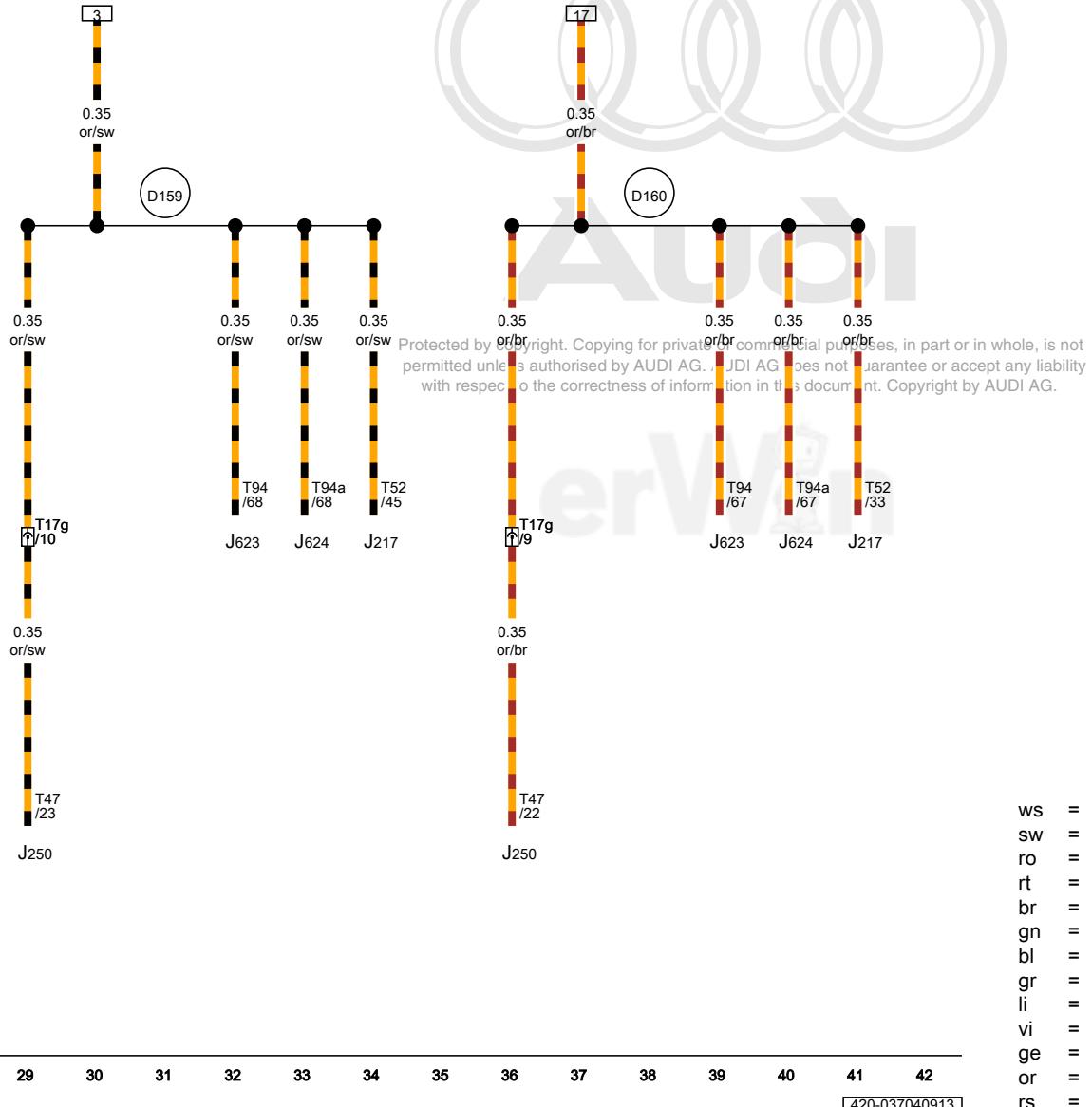
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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

High bus connection (in engine compartment wiring harness), Low bus positive connection (in engine compartment wiring harness)

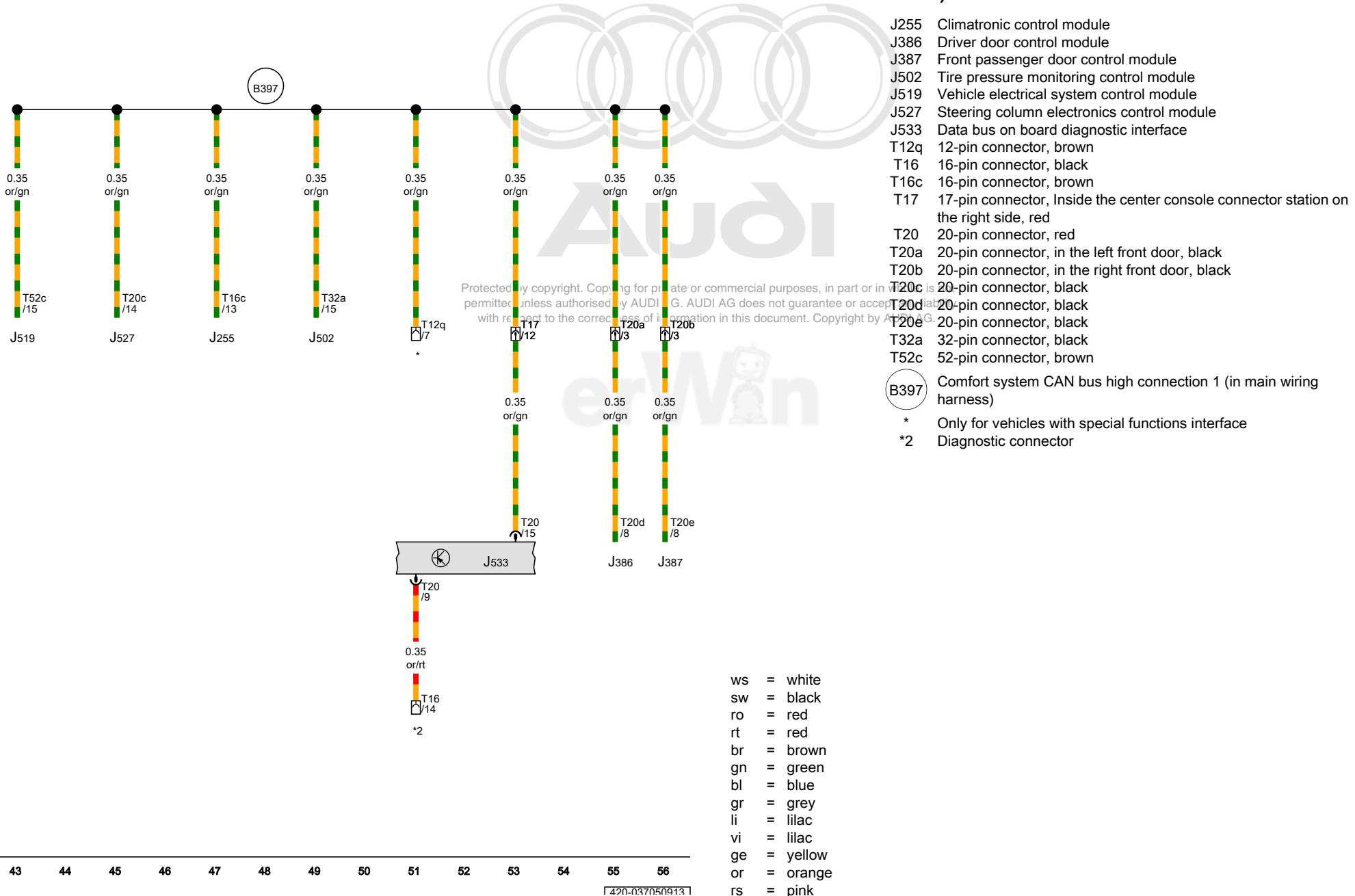
J217 Transmission control module
J250 Electronic damping control module
J623 Engine control module
J624 Engine control module 2
T17g 17-pin connector, Connector station under the rear shelf, right, black
T47 47-pin connector, black
T52 52-pin connector, black
T94 94-pin connector, black
T94a 94-pin connector, black

(D159) High bus connection (in engine compartment wiring harness)

(D160) Low bus positive connection (in engine compartment wiring harness)



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ge = yellow
or = orange
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Comfort system CAN bus high connection 1 (in main wiring harness)


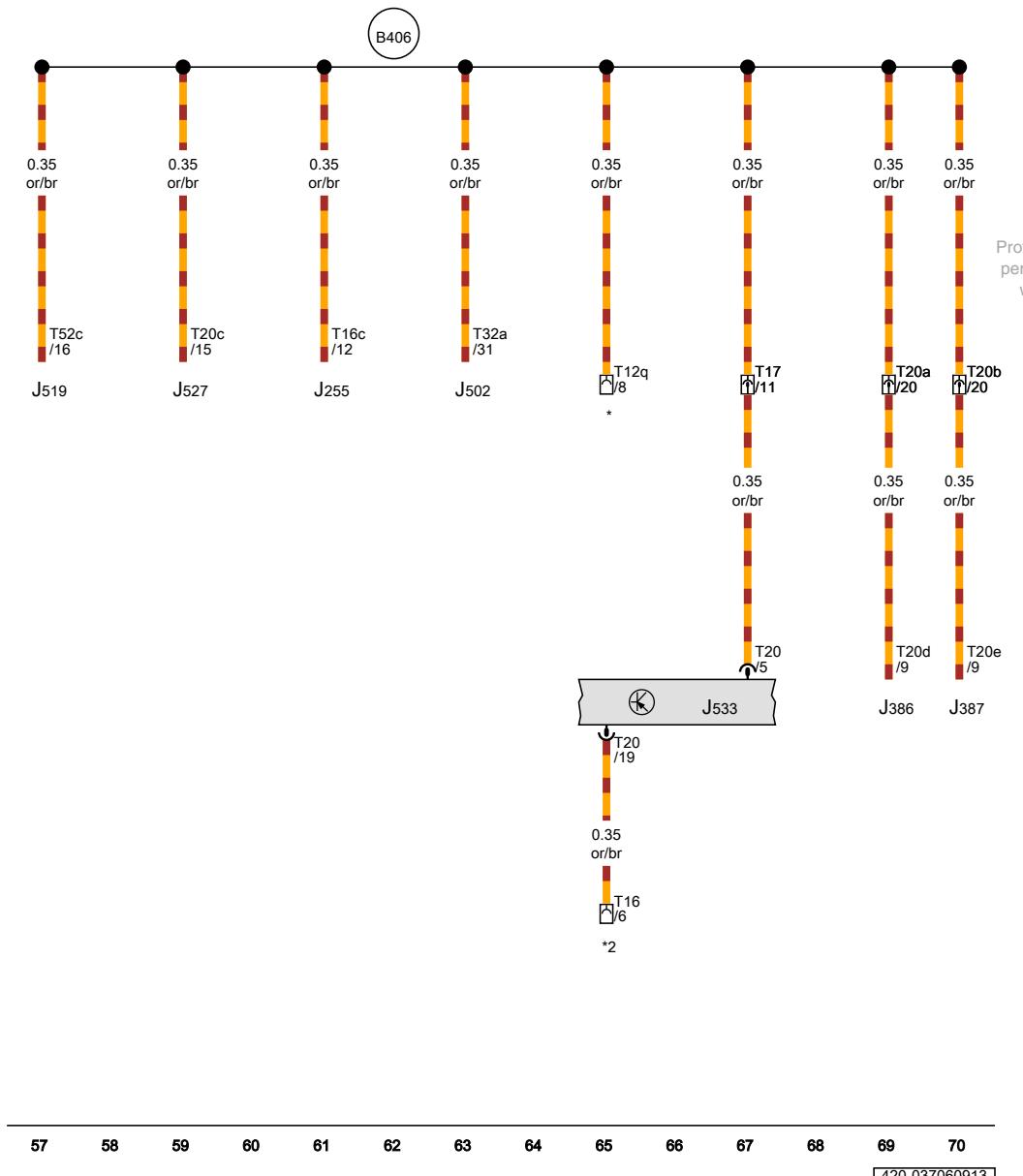
Comfort system CAN bus low connection 1 (in main wiring harness)

J255 Climatronic control module
J386 Driver door control module
J387 Front passenger door control module
J502 Tire pressure monitoring control module
J519 Vehicle electrical system control module
J527 Steering column electronics control module
J533 Data bus on board diagnostic interface
T12q 12-pin connector, brown
T16 16-pin connector, black
T16c 16-pin connector, brown
T17 17-pin connector, Inside the center console connector station on the right side, red
T20 20-pin connector, red
T20a 20-pin connector, in the left front doory black
T20b 20-pin connector, in the right front doory black
T20c 20-pin connector, black
T20d 20-pin connector, black
T20e 20-pin connector, black
T32a 32-pin connector, black
T52c 52-pin connector, brown

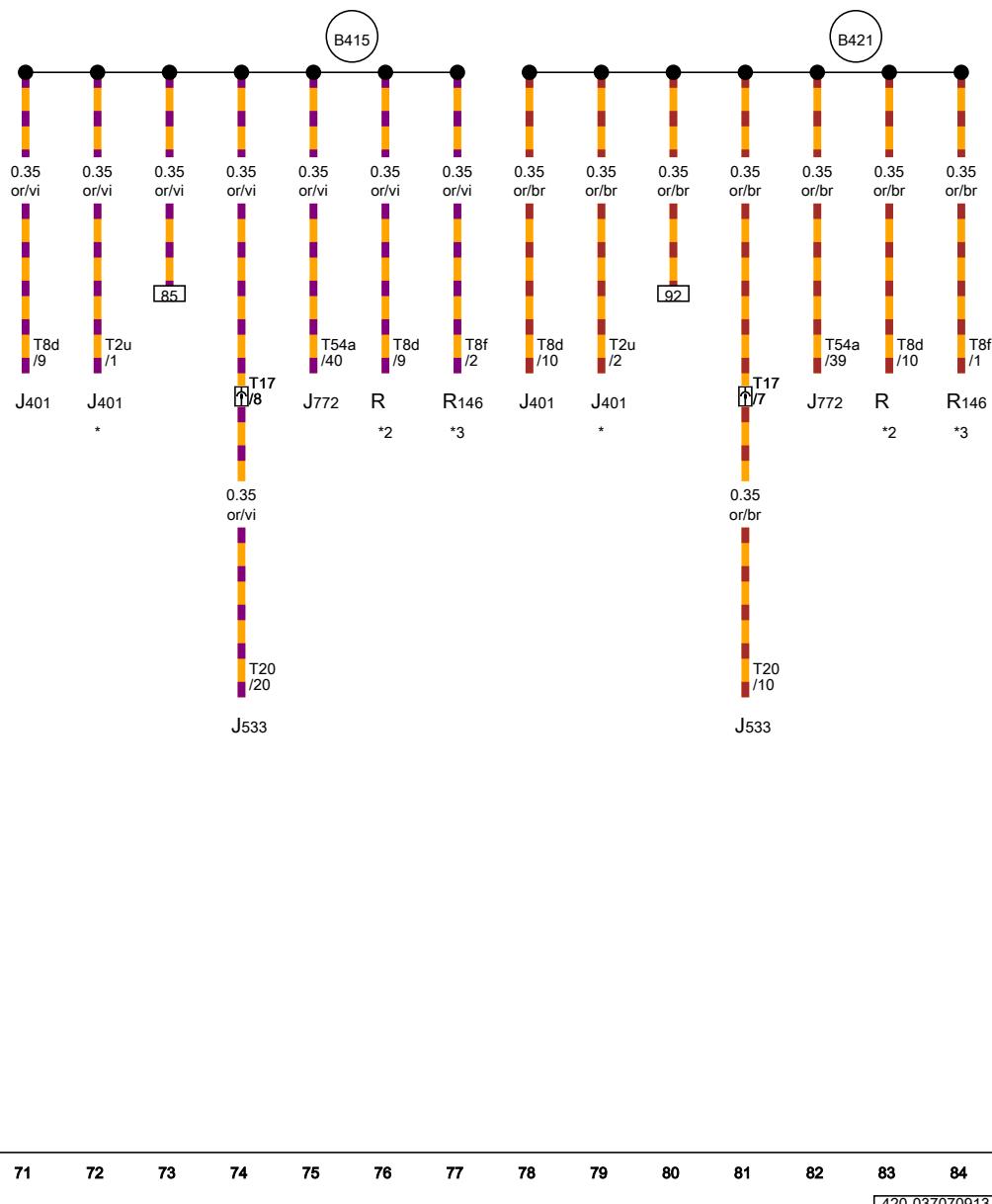
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(B406) Comfort system CAN bus low connection 1 (in main wiring harness)

* Only for vehicles with special functions interface
*2 Diagnostic connector



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| sw | = black |
| ro | = red |
| rt | = red |
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| gn | = green |
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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

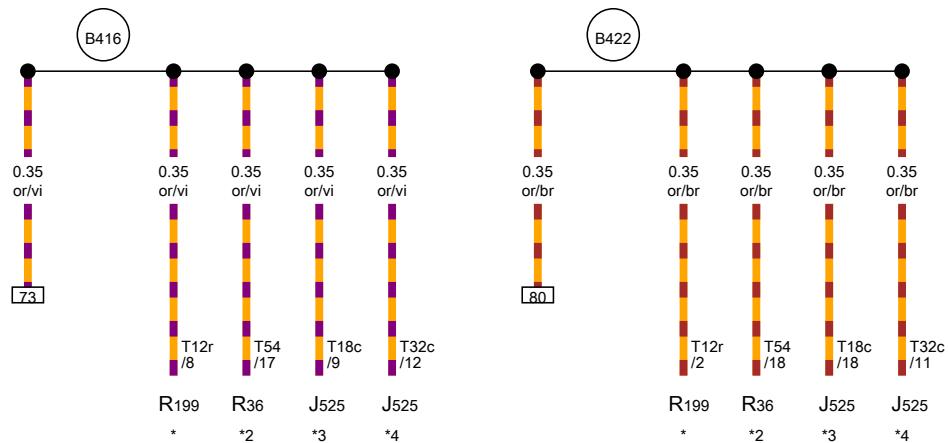


Infotainment CAN Bus high connection 1 (in main wiring harness), Infotainment CAN bus low connection 1 (in main wiring harness)

- | | |
|---------------|--|
| J401 | Navigation system with CD drive control module |
| J533 | Data bus on board diagnostic interface |
| J772 | Rearview camera system control module |
| R | Radio |
| R146 | Satellite radio |
| T2u | Double connector, black |
| T8d | 8-pin connector, black |
| T8f | 8-pin connector, black |
| T17 | 17-pin connector, Inside the center console connector station on the right side, red |
| T20 | 20-pin connector, red |
| T54a | 54-pin connector, black |
| B415 | Infotainment CAN Bus high connection 1 (in main wiring harness) |
| B421 | Infotainment CAN bus low connection 1 (in main wiring harness) |
| * *2 *3 | Only for vehicles with Japan equipment Only for vehicles with a radio Only for vehicles with satellite radio |

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Infotainment CAN Bus high connection 2 (in main wiring harness), Infotainment CAN bus low connection 2 (in main wiring harness)

J525 Digital sound system control module

R36 Telephone transceiver

R199 External audio source connection

T12r 12-pin connector, black

T18c 18-pin connector, black

T32c 32-pin connector, black

T54 54-pin connector, black

(B416) Infotainment CAN Bus high connection 2 (in main wiring harness)

(B422) Infotainment CAN bus low connection 2 (in main wiring harness)

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Only for vehicles with external audio source connection - Audi music interface

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*2 Only for vehicles with cell phone preparation

*3 Only for vehicles with Bang & Olufsen sound system

*4 Only for vehicles with standard sound system

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Multifunction steering wheel

from May 2009

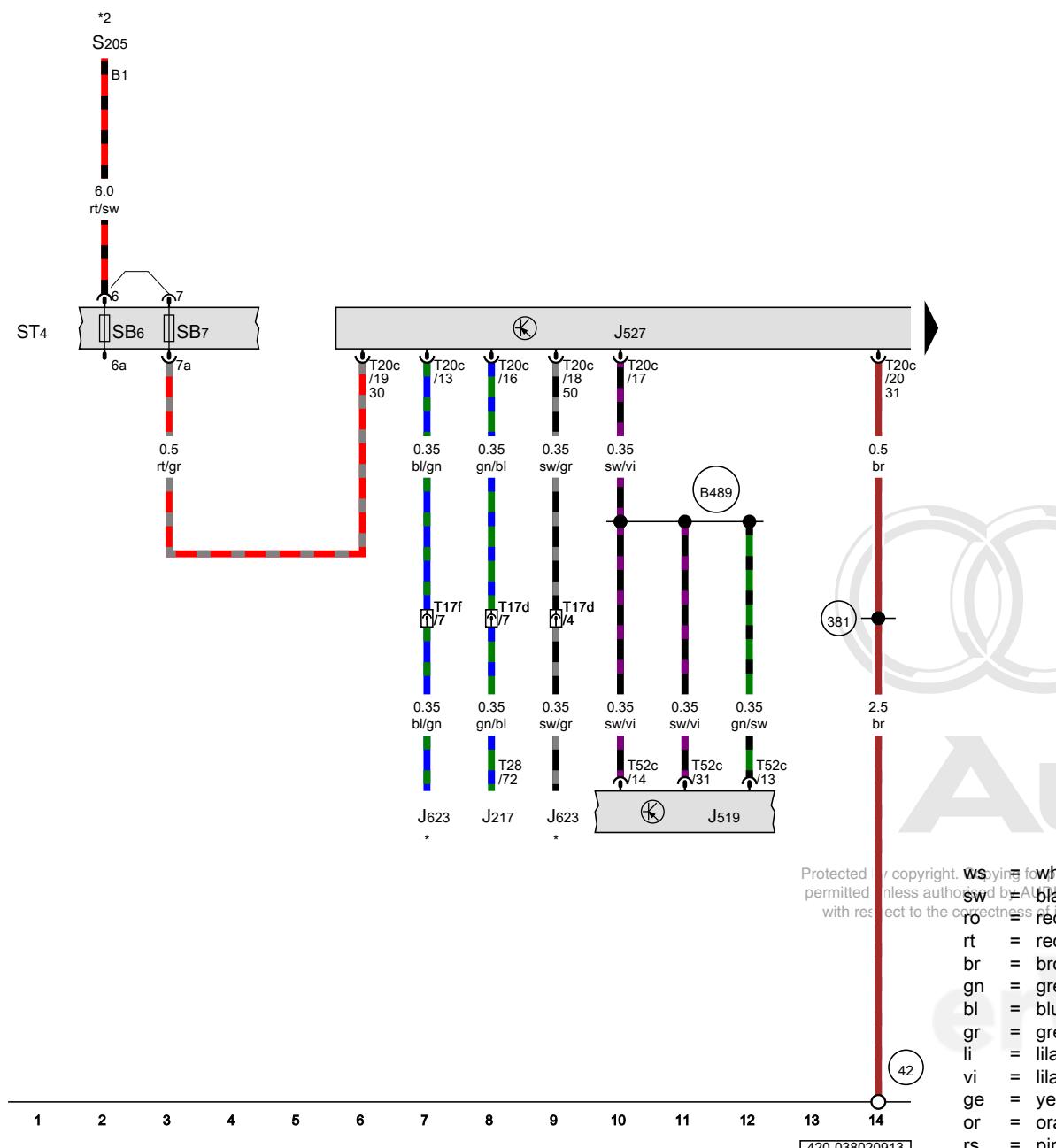


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Steering column electronics control module

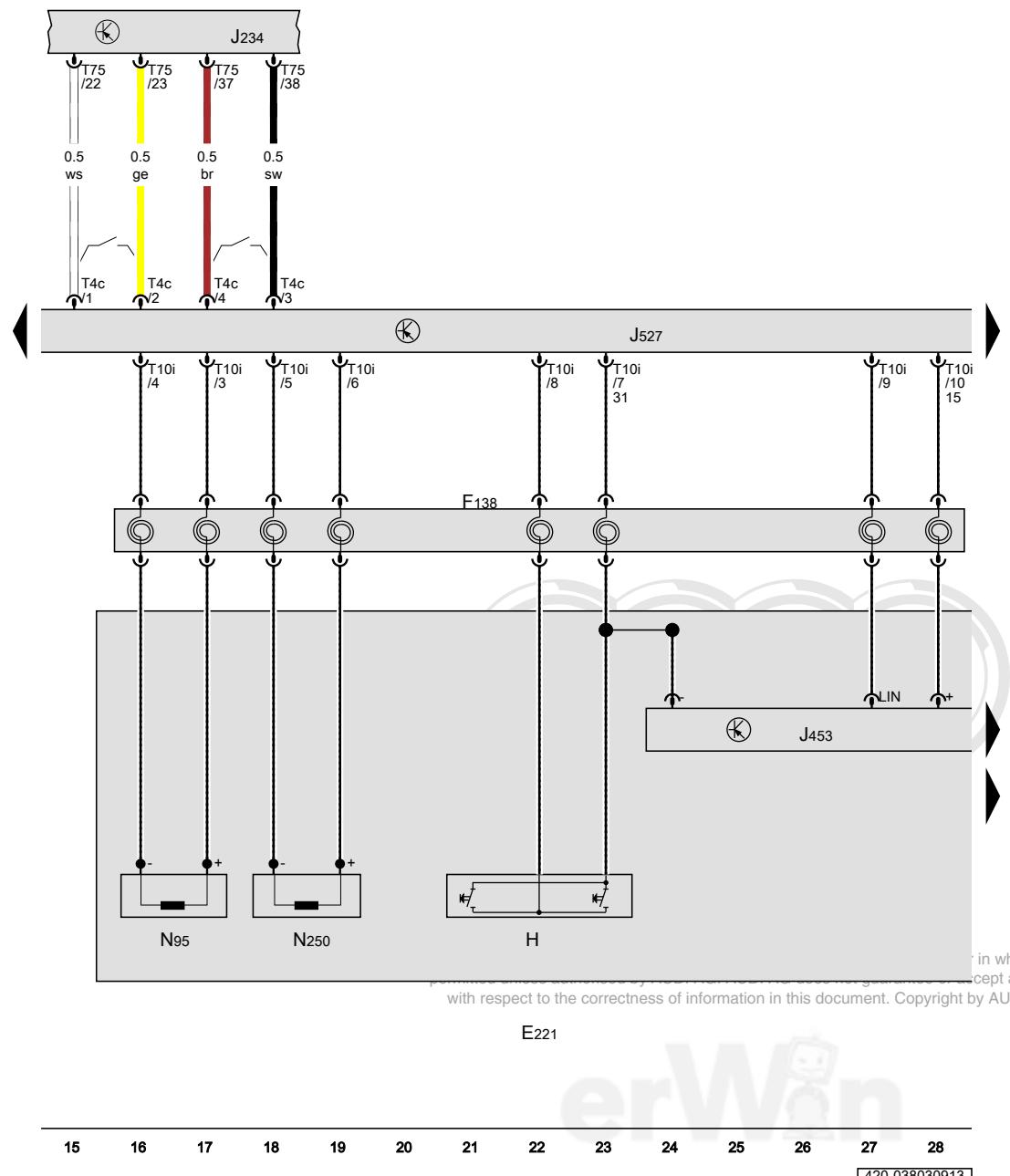
- J217 Transmission control module
 J519 Vehicle electrical system control module
 J527 Steering column electronics control module
 J623 Engine control module
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T17d 17-pin connector, Connector station under the rear shelf, right, brown
 T17f 17-pin connector, Connector station under the rear shelf, right, white
 T20c 20-pin connector, black
 T28 28-pin connector
 T52c 52-pin connector, brown
 42 Ground connection near steering column
 381 Ground connection 16 (in main wiring harness)
 B489 Connection 25 (in main wiring harness)
 * Refer to applicable engine wiring diagram
 *2 Main distribution in the right front footwell



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Control unit in steering wheel, Signal horn activation,
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
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4c 4-pin connector, yellow
- T10i 10-pin connector
- T75 75-pin connector, yellow

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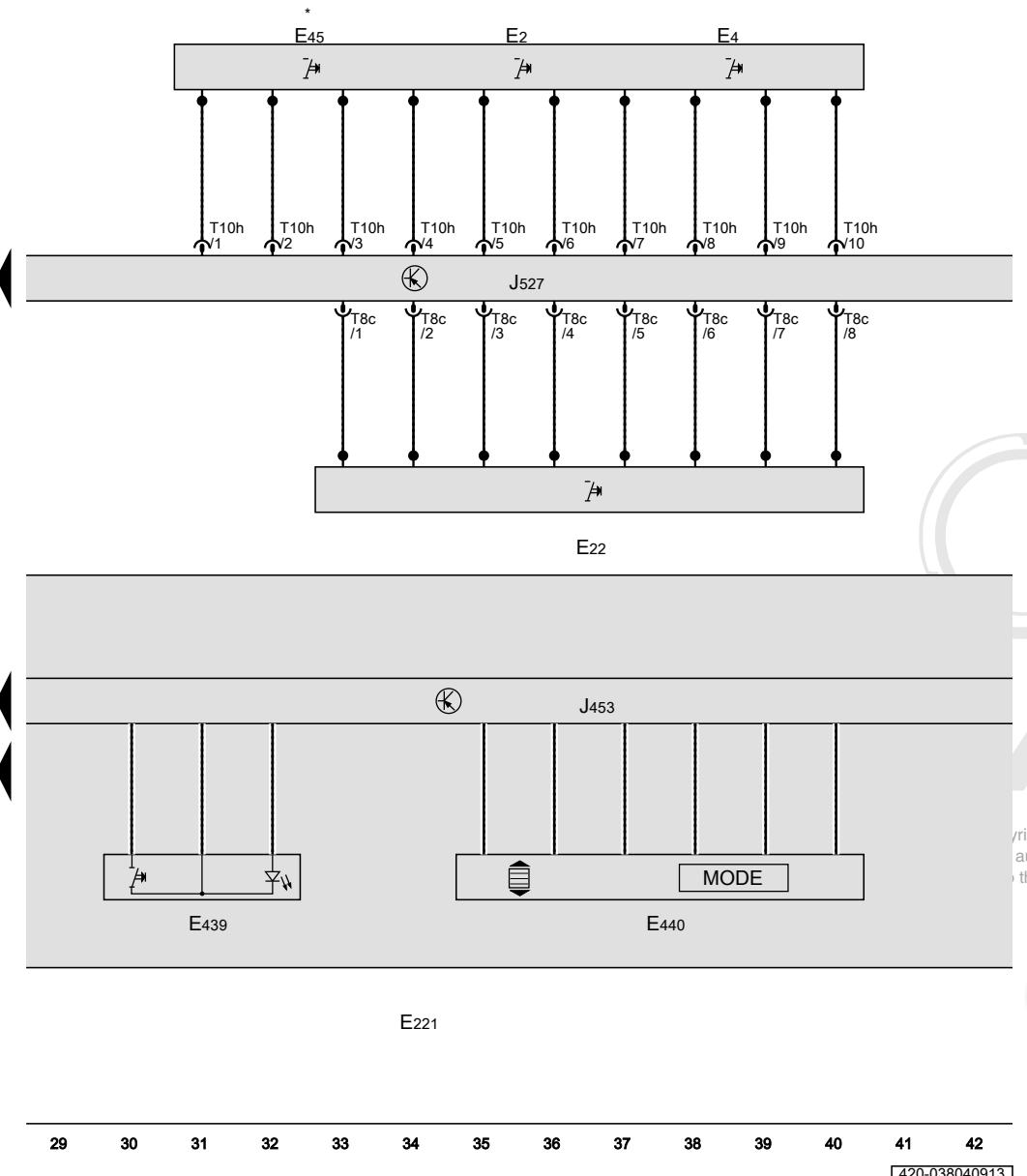
E221

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

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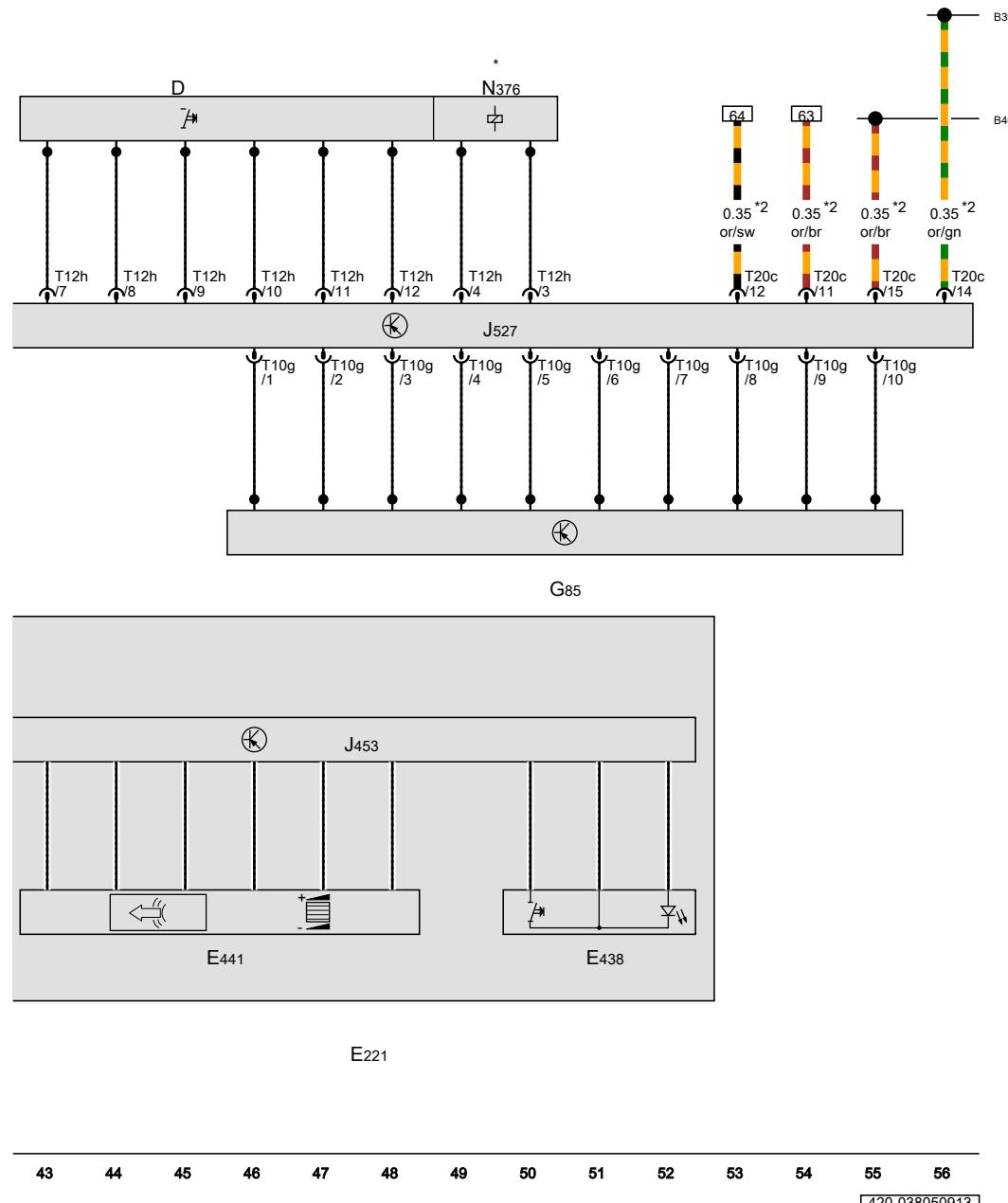
Turn signal switch, Headlamp dimmer/flasher switch, Windshield wiper intermittent mode switch, Cruise control switch, Control unit in steering wheel, tiptronic downshift button on steering wheel, Steering column electronics control module

- E2 Turn signal switch
- E4 Headlamp dimmer/flasher switch
- E22 Windshield wiper intermittent mode switch
- E45 Cruise control switch
- E221 Control unit in steering wheel
- E439 tiptronic downshift button on steering wheel
- E440 Left multifunction buttons on steering wheel
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- T8c 8-pin connector
- T10h 10-pin connector
- * Only for vehicles with cruise control



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Ignition/starter switch, Control unit in steering wheel,
tiptronic upshift button on steering wheel, Right
multifunction buttons on steering wheel, Steering angle
sensor, Steering column electronics control module, Ignition
switch key lock solenoid

- D Ignition/starter switch
- E221 Control unit in steering wheel
- E438 tiptronic upshift button on steering wheel
- E441 Right multifunction buttons on steering wheel
- G85 Steering angle sensor
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N376 Ignition switch key lock solenoid
- T10g 10-pin connector
- T12h 12-pin connector
- T20c 20-pin connector, black
- (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
- (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
- * Only for vehicles with automated manual transmission (R tronic 086)
- *² Data bus wire (CAN bus)

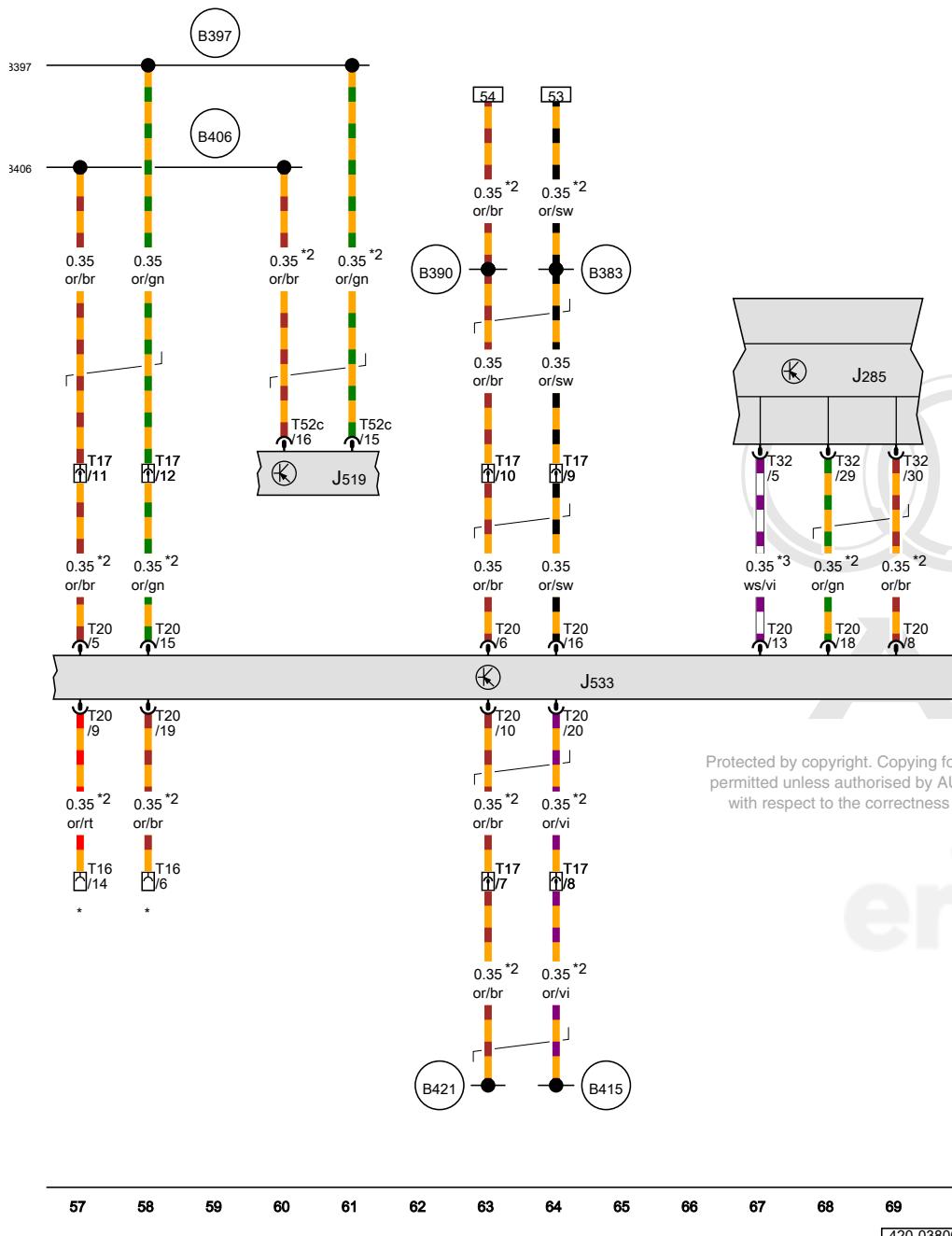
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Audi

erWin



Instrument cluster control module, Data bus on board diagnostic interface

- J285 Instrument cluster control module
 - J519 Vehicle electrical system control module
 - J533 Data bus on board diagnostic interface
 - T16 16-pin connector, black
 - T17 17-pin connector, Inside the center console connector station on the right side, red
 - T20 20-pin connector, red
 - T32 32-pin connector
 - T52c 52-pin connector, brown
 - (B383) Powertrain CAN bus high connection 1 (in main wiring harness)
 - (B390) Powertrain CAN bus low connection 1 (in main wiring harness)
 - (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
 - (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
 - (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
 - (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Diagnostic connector
*² Data bus wire (CAN bus)
*³ Prompt wire

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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 |

57 58 59 60 61 62 63 64 65 66 67 68 69 70
F420-0380609131

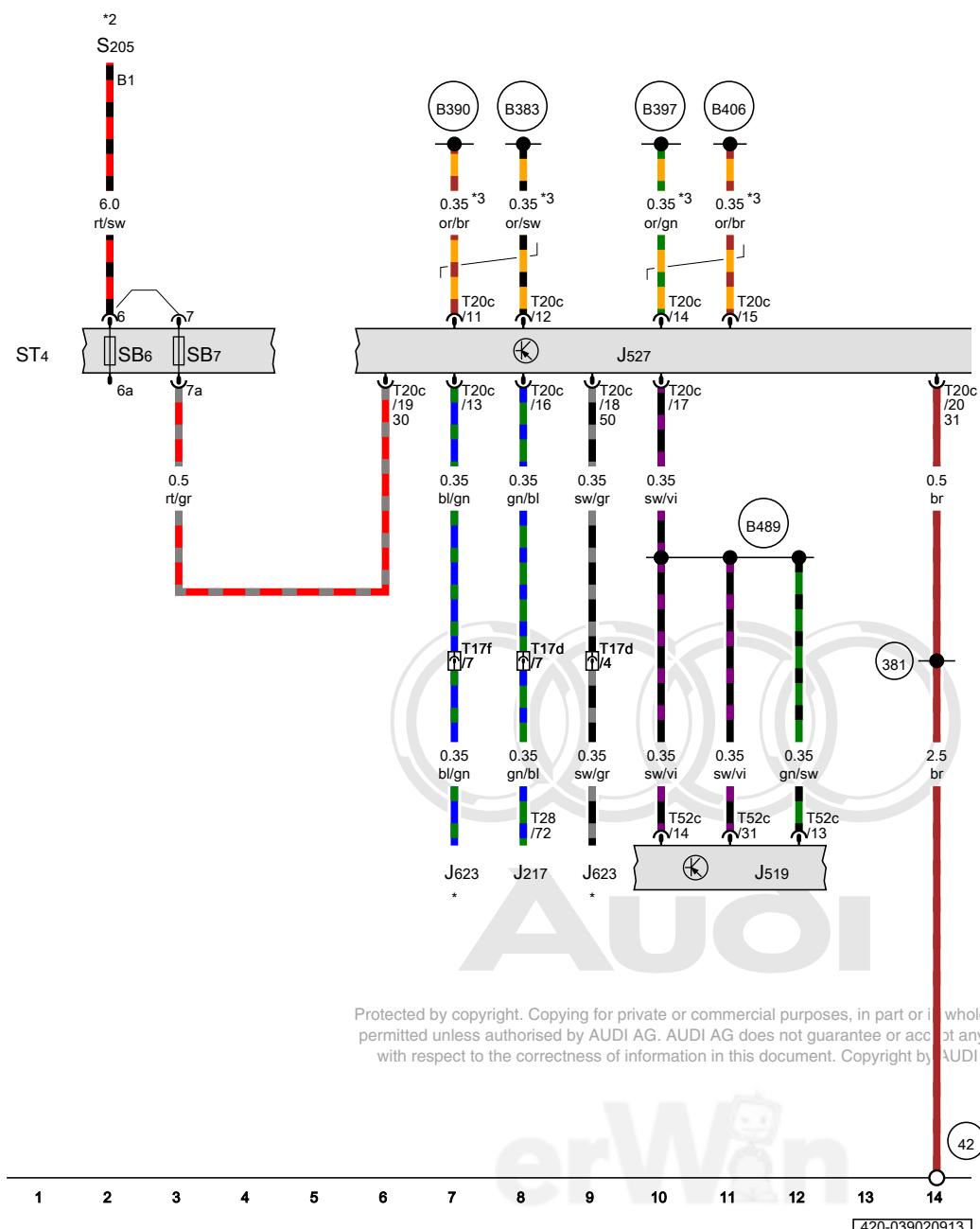
Steering wheel with toggle switches

from May 2009



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Steering column electronics control module

- J217 Transmission control module
 - J519 Vehicle electrical system control module
 - J527 Steering column electronics control module
 - J623 Engine control module
 - ST4 Fuse panel 4
 - SB6 Fuse 6 (on fuse panel B)
 - SB7 Fuse 7 (on fuse panel B)
 - S205 Fuse 2 (terminal 30)
 - T17d 17-pin connector, Connector station under the rear shelf, right, brown
 - T17f 17-pin connector, Connector station under the rear shelf, right, white
 - T20c 20-pin connector, black
 - T28 28-pin connector
 - T52c 52-pin connector, brown

42 Ground connection near steering column

381 Ground connection 16 (in main wiring harness)

B383 Powertrain CAN bus high connection 1 (in main wiring harness)

B390 Powertrain CAN bus low connection 1 (in main wiring harness)

B397 Comfort system CAN bus high connection 1 (in main wiring harness)

B406 Comfort system CAN bus low connection 1 (in main wiring harness)

B489 Connection 25 (in main wiring harness)

* Refer to applicable engine wiring diagram

*2 Main distribution in the right front footwell

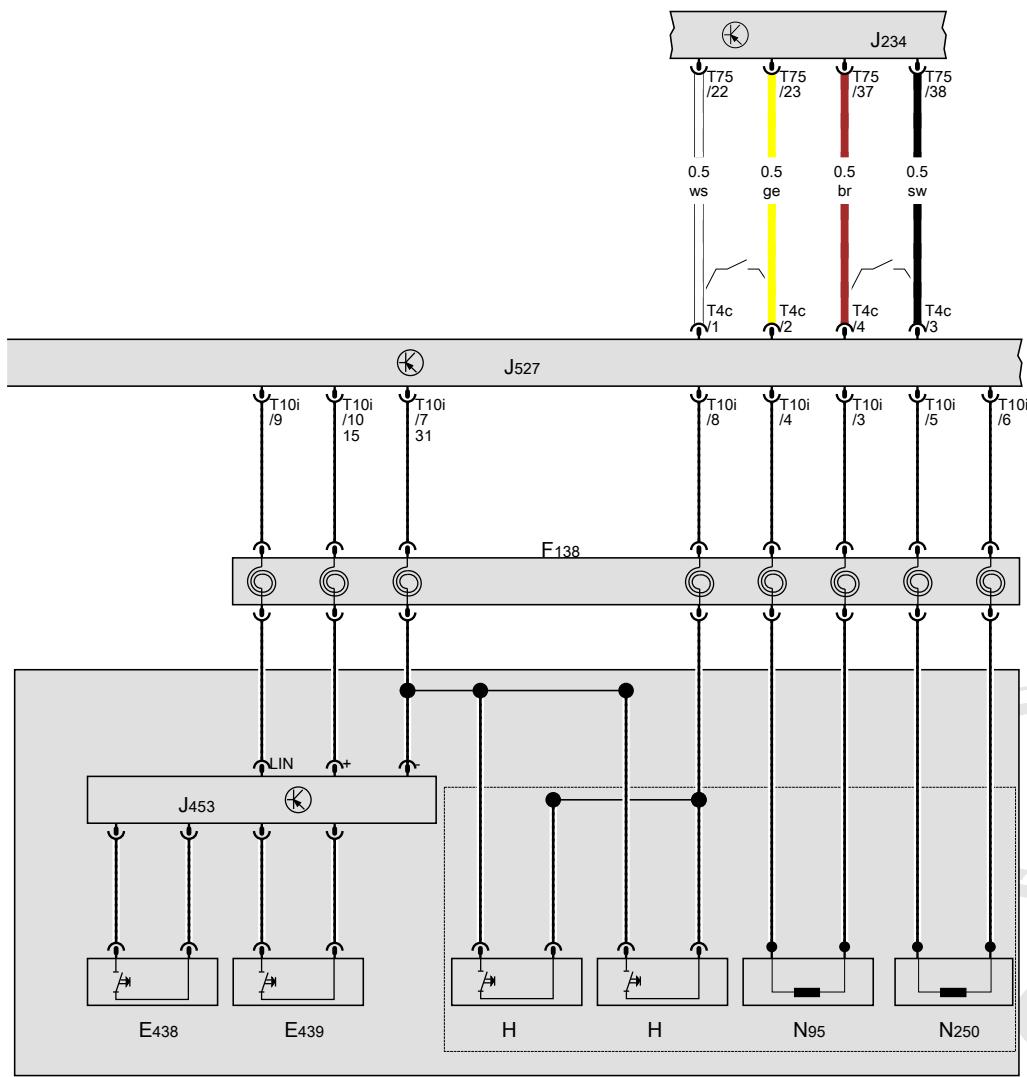
*3 Data bus wire (CAN bus)

| | |
|----|----------|
| 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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Control unit in steering wheel, tiptronic upshift button on steering wheel, tiptronic downshift button on steering wheel, Signal horn activation, Steering column electronics control module, Driver airbag igniter, Driver airbag igniter 2

- E221 Control unit in steering wheel
- E438 tiptronic upshift button on steering wheel
- E439 tiptronic downshift button on steering wheel
- F138 Airbag spiral spring/return spring with slip ring
- H Signal horn activation
- J234 Airbag control module
- J453 Multifunction steering wheel control module
- J527 Steering column electronics control module
- N95 Driver airbag igniter
- N250 Driver airbag igniter 2
- T4c 4-pin connector, yellow
- T10i 10-pin connector
- T75 75-pin connector, yellow



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

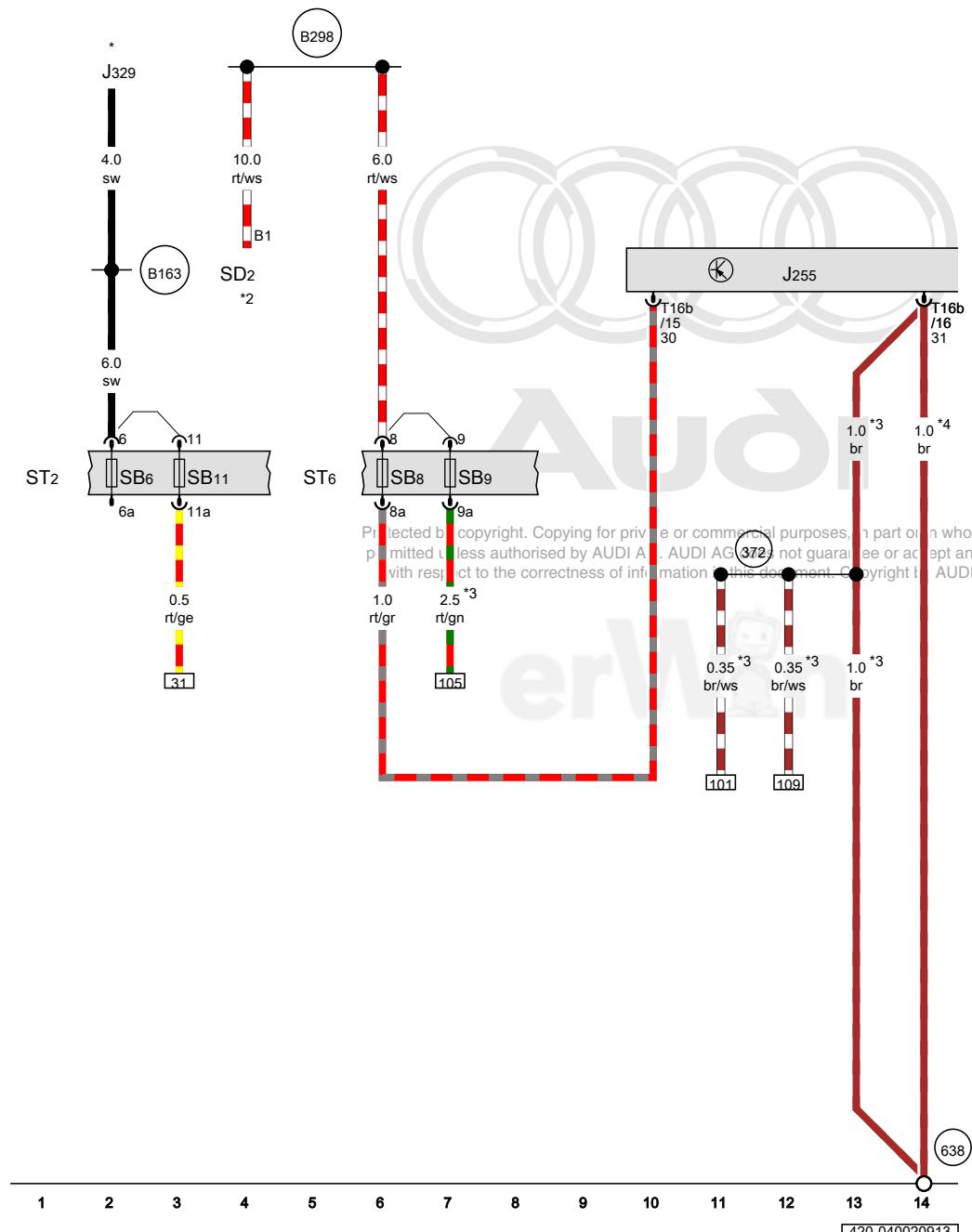
420-0390309131

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

A/C system
from May 2009**Audi**

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Climatronic control module

J255 Climatronic control module

J329 Terminal 15 power supply relay

SD2 Fuse 2 (on fuse panel D)

ST2 Fuse panel 2

ST6 Fuse panel 6

SB6 Fuse 6 (on fuse panel B)

SB8 Fuse 8 (on fuse panel B)

SB9 Fuse 9 (on fuse panel B)

SB11 Fuse 11 (on fuse panel B)

T16b 16-pin connector, black

372 Ground connection 7 (in main wiring harness)

638 Ground connection on right A-pillar

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

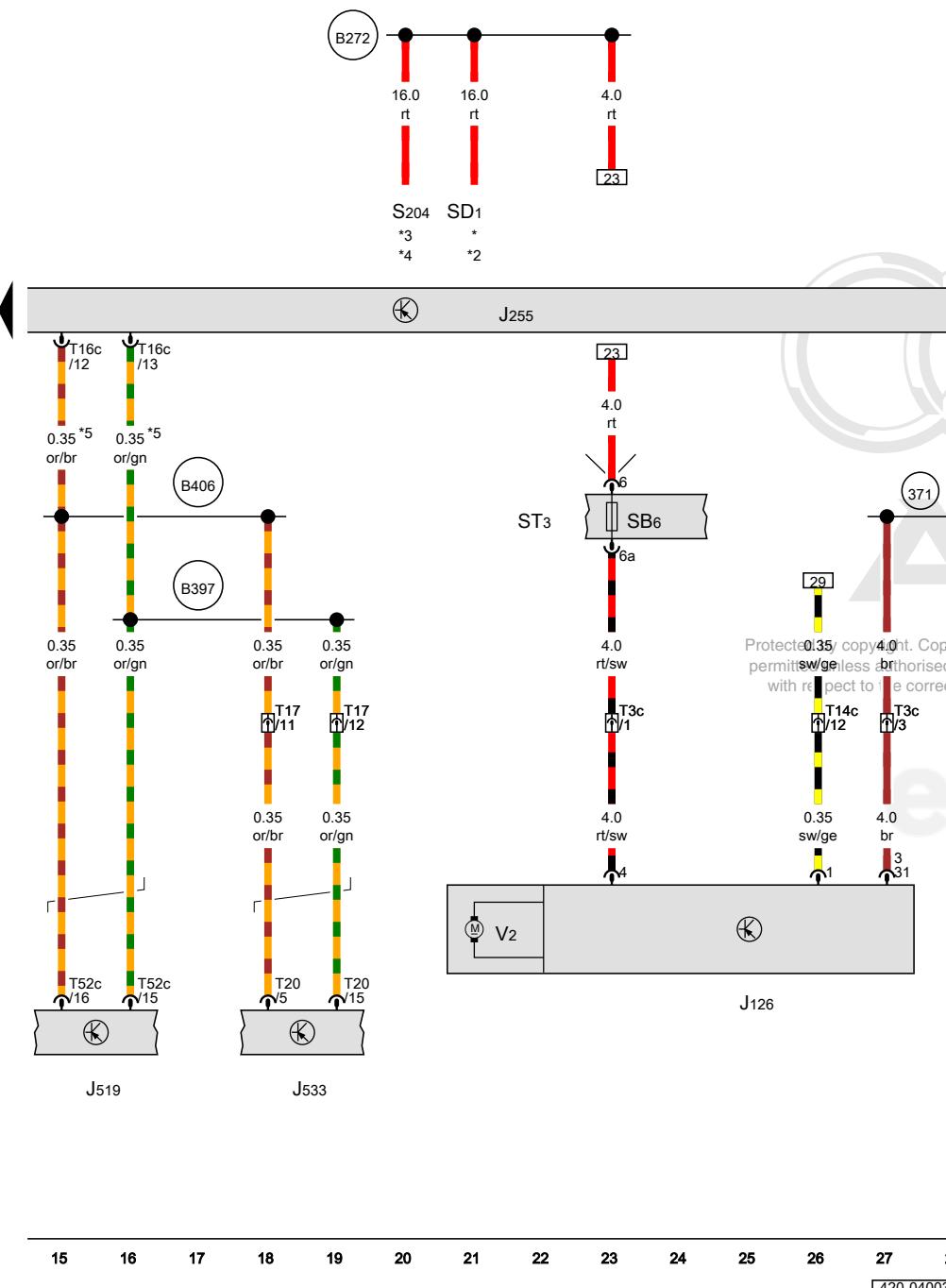
B298 Positive connection 2 (30) (in main wiring harness)

* Relay carrier in the right front footwell

*2 Main fuse box in the right front footwell

*3 Only for vehicles with an auxiliary heater

*4 Only for vehicles without heated seats



Fresh air blower control module, Climatronic control module, Fuse 6 (on fuse panel B), Fresh air blower

- J126 Fresh air blower control module
 - J255 Climatronic control module
 - J519 Vehicle electrical system control module
 - J533 Data bus on board diagnostic interface
 - SD1 Fuse 1 (on fuse panel D)
 - ST3 Fuse panel 3
 - SB6 Fuse 6 (on fuse panel B)
 - S204 Fuse 1 (terminal 30)
 - T3c 3-pin connector, near the right headlamp, black
 - T14c 14-pin connector, near the right headlamp, black
 - T16c 16-pin connector, brown
 - T17 17-pin connector, Inside the center console connector station on the right side, red
 - T20 20-pin connector, red
 - T52c 52-pin connector, brown
 - V2 Fresh air blower

371 Ground connection 6 (in main wiring harness)

716 Ground connection on right crossmember

B272 Positive connection (30) (in main wiring harness)
, in part or in whole, is not
tee or accept any liability

B397 Comfort system CAN bus high connection 1 (in main wiring harness)

B406 Comfort system CAN bus low connection 1 (in main wiring harness)

* Main fuse box in the right front footwell

*2 from November 2011

*3 Main distribution in the right front footwell

*4 Through November 2011

*5 Data bus wire (CAN bus)

| | |
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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 |

A/C pressure/temperature sensor, Climatronic control module, Left heat regulating valve, Right heat regulating valve, A/C compressor regulator valve

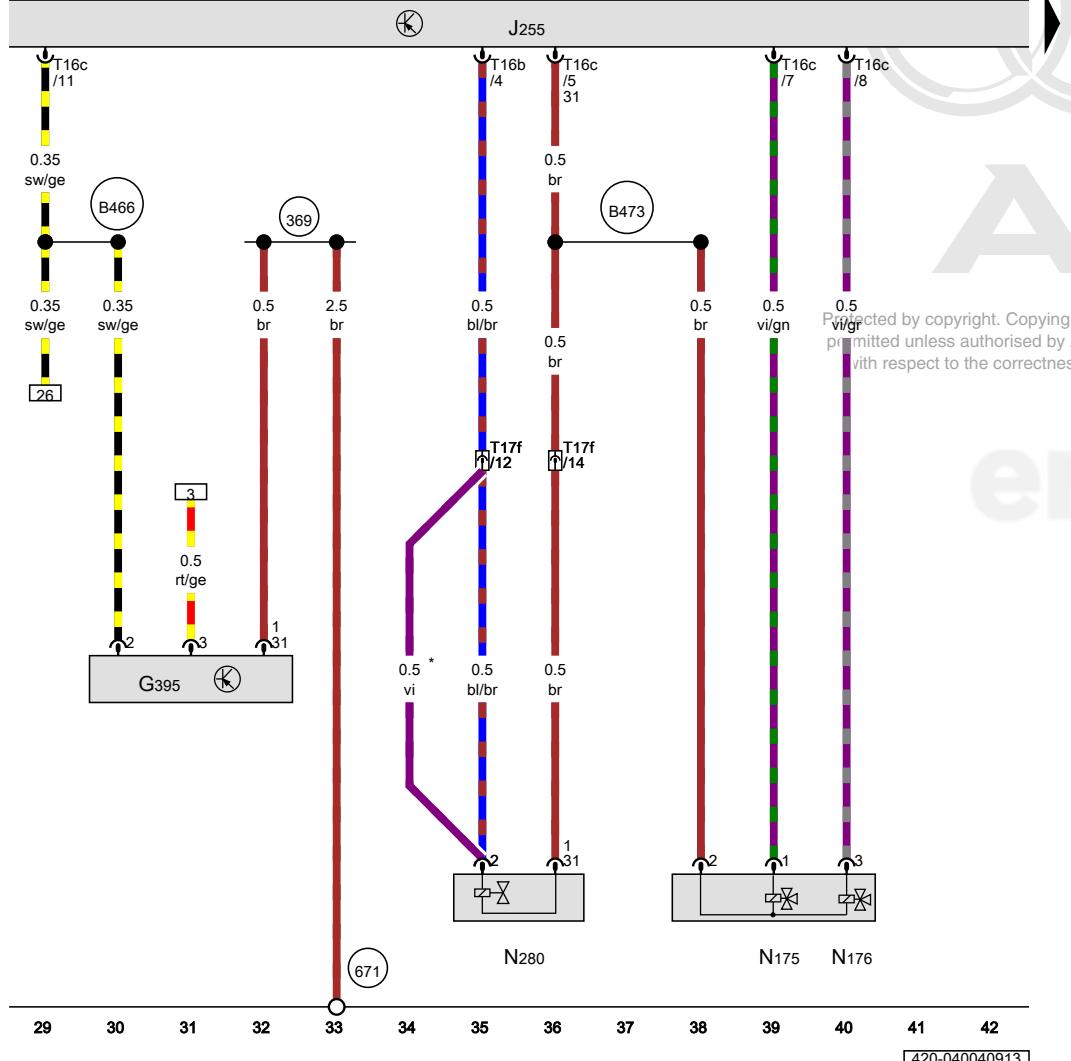
G395 A/C pressure/temperature sensor
J255 Climatronic control module
N175 Left heat regulating valve
N176 Right heat regulating valve
N280 A/C compressor regulator valve
T16b 16-pin connector, black
T16c 16-pin connector, brown
T17f 17-pin connector, Connector station under the rear shelf, right, white

(369) Ground connection 4 (in main wiring harness)

(671) Ground connection 1 on left front longitudinal member

(B466) Connection 2 (in main wiring harness)

(B473) Connection 9 (in main wiring harness)



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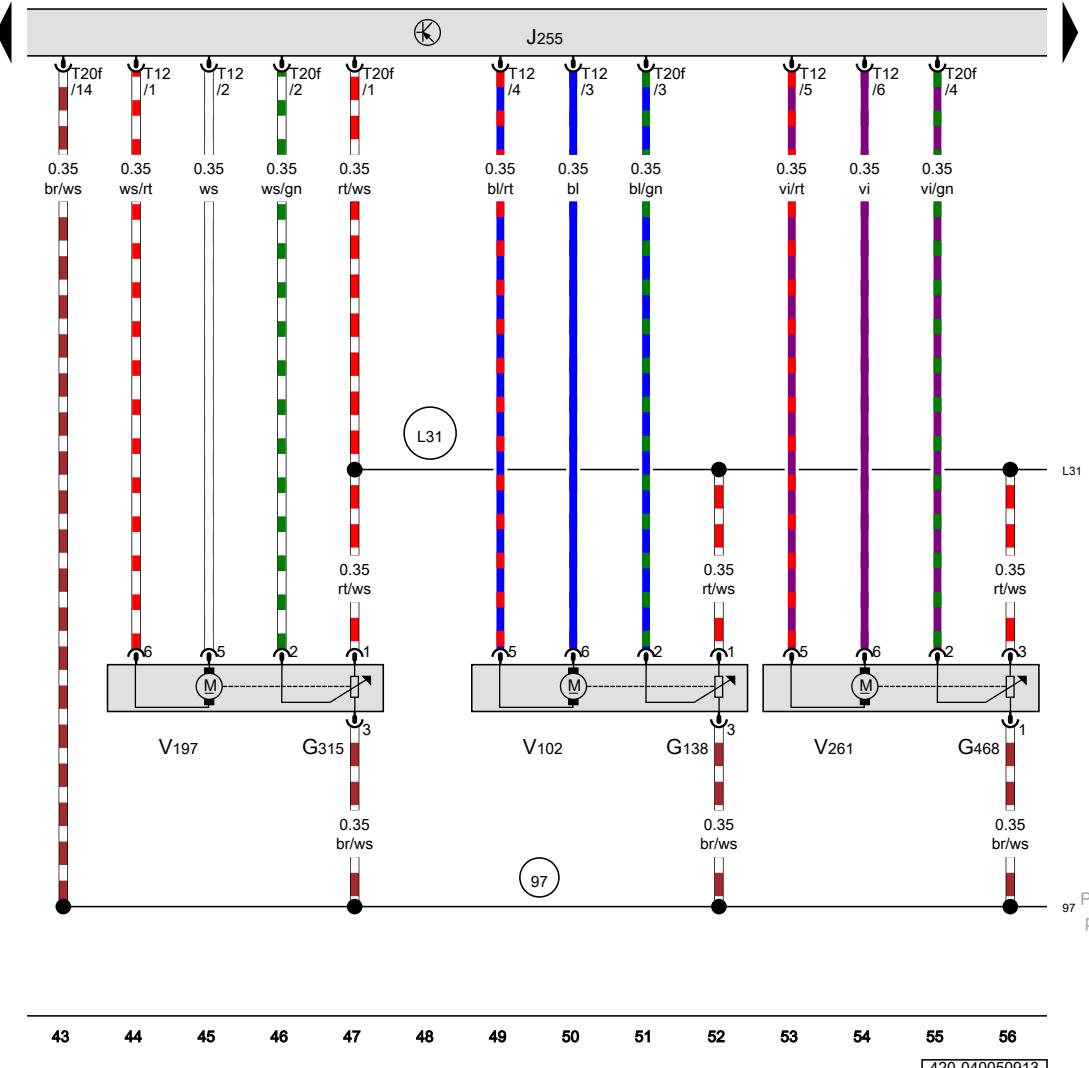
* Running change



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

Climatronic control module, Center vent adjustment motor,
Front cold air door motor, Footwell door motor

- G138 Center vent motor position sensor
- G315 Front cold air door motor position sensor
- G468 Footwell door motor position sensor
- J255 Climatronic control module
- T12 12-pin connector
- T20f 20-pin connector
- V102 Center vent adjustment motor
- V197 Front cold air door motor
- V261 Footwell door motor
- (97) Ground connection 1 (in A/C wiring harness)
- (L31) Connection (5 Volt) (in A/C system wiring harness)



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Left vent temperature sensor, Evaporator vent temperature sensor, Climatronic control module, Defroster door motor, Side vent motor

G135 Defroster door motor position sensor

G150 Left vent temperature sensor

G151 Right vent temperature sensor

G263 Evaporator vent temperature sensor

G548 Side vent motors position sensor

J255 Climatronic control module

T12 12-pin connector

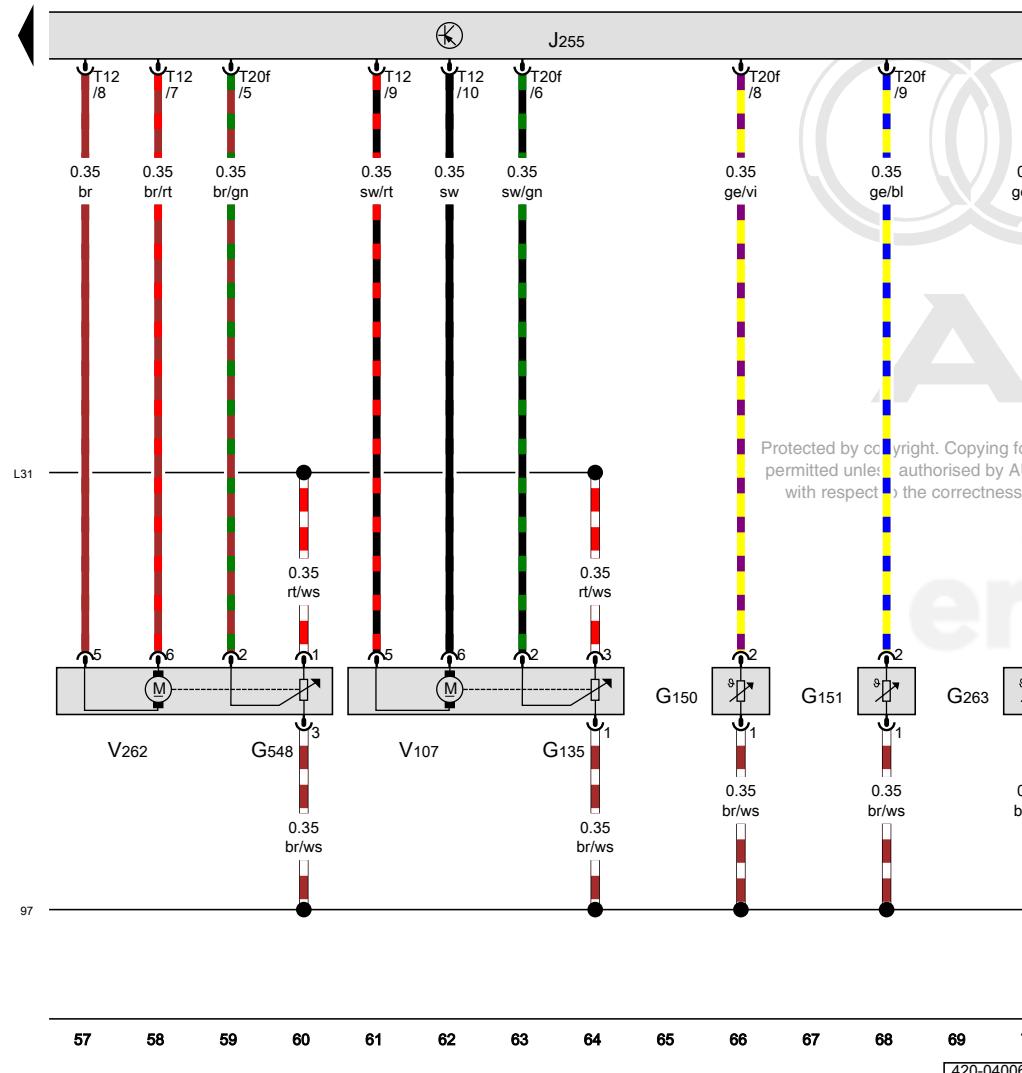
T20f 20-pin connector

V107 Defroster door motor

V262 Side vent motor

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

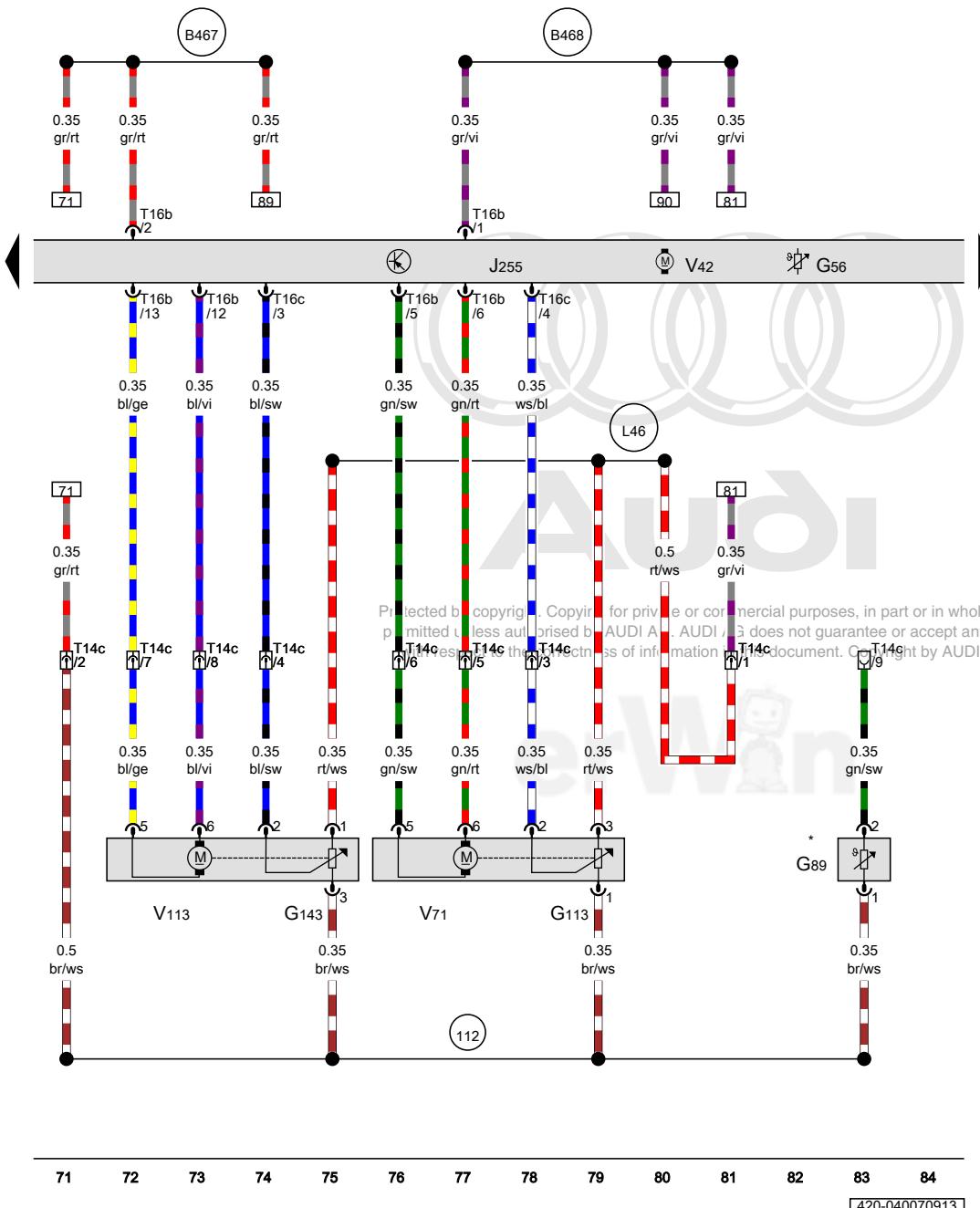
L31 Connection (5 Volt) (in A/C system wiring harness)



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| | |
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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 |

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Fresh air intake duct temperature sensor, Climatronic control module, Airflow door motor, Recirculation door motor

G56 Instrument panel temperature sensor
 G89 Fresh air intake duct temperature sensor
 G113 Back pressure door motor position sensor
 G143 Recirculation door motor position sensor
 J255 Climatronic control module
 T14c 14-pin connector, near the right headlamp, black
 T16b 16-pin connector, black
 T16c 16-pin connector, brown

V42 Interior temperature sensor fan
 V71 Airflow door motor
 V113 Recirculation door motor

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

B467 Connection 3 (in main wiring harness)

B468 Connection 4 (in main wiring harness)

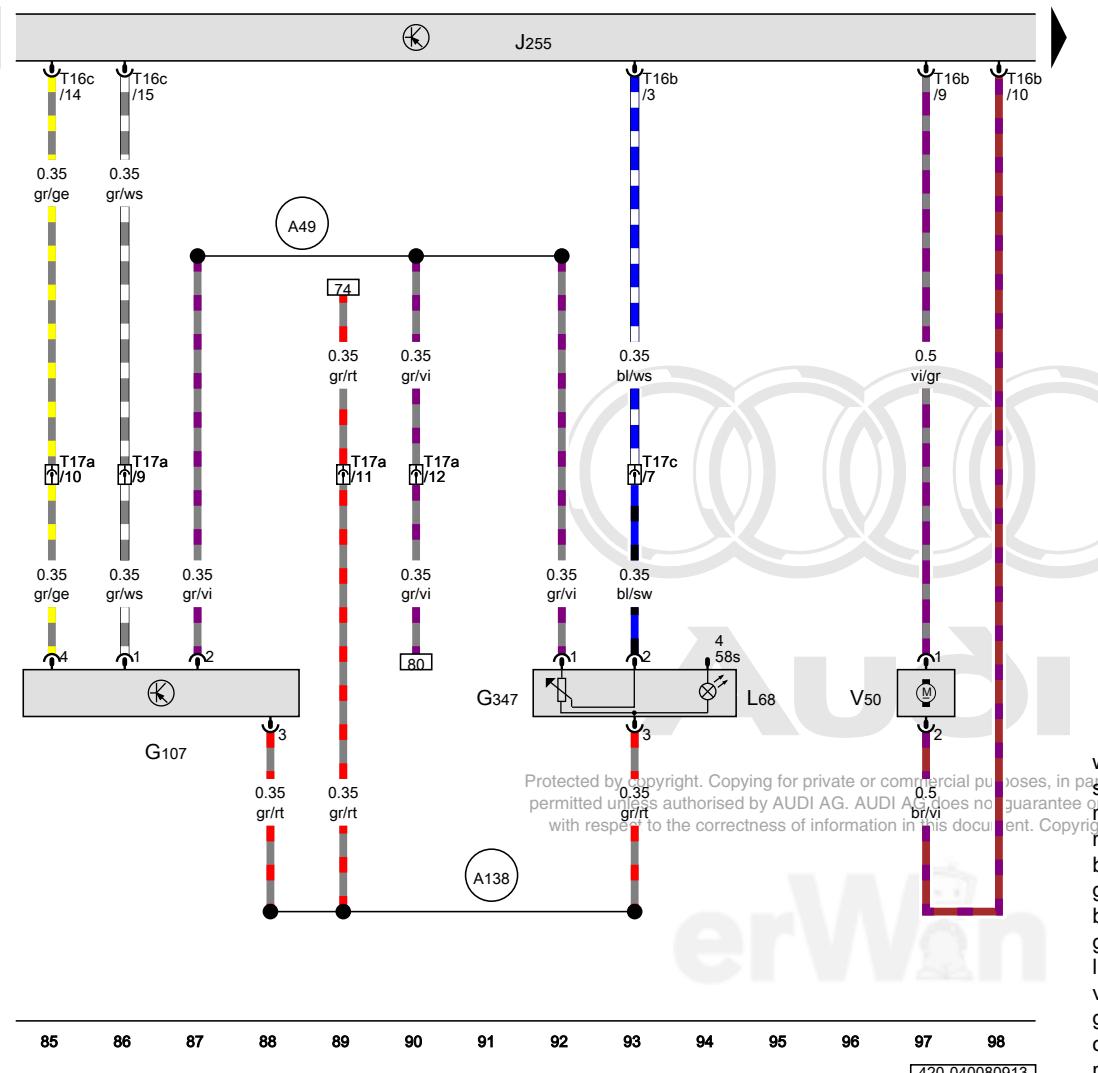
L46 Connection (5 Volt) (in Climatronic controls wiring harness)

* If available

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

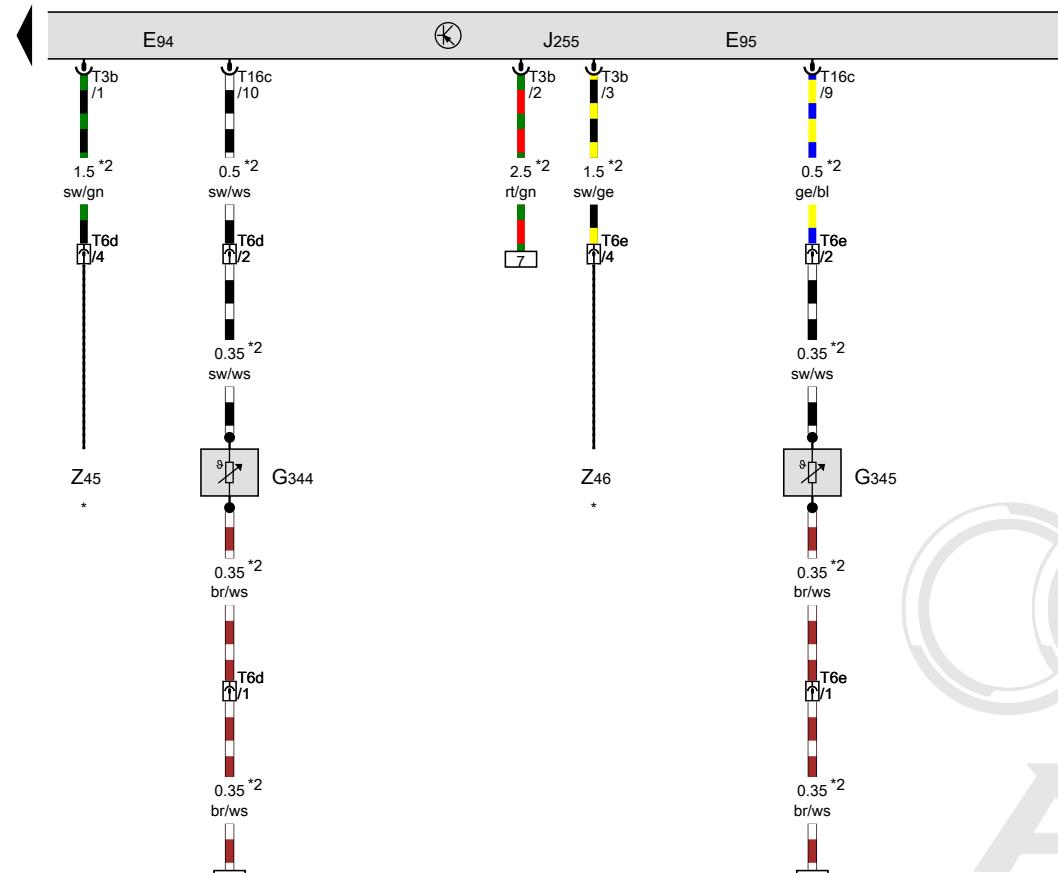
Sunlight photo sensor, Left center air vent sensor,
Climatronic control module, Coolant recirculation pump

- G107 Sunlight photo sensor
- G347 Left center air vent sensor
- J255 Climatronic control module
- L68 Center instrument panel vent illumination bulb
- T16b 16-pin connector, black
- T16c 16-pin connector, brown
- T17a 17-pin connector, Inside the center console connector station on the right side, black
- T17c 17-pin connector, Inside the center console connector station on the right side, blue
- V50 Coolant recirculation pump
- (A49) Connection 1 (in instrument panel wiring harness)
- (A138) Connection 2 (in instrument panel wiring harness)



Left front seat temperature sensor, Right front seat temperature sensor, Climatronic control module

- E94 Heated driver seat adjuster
- E95 Heated front passenger seat adjuster
- G344 Left front seat temperature sensor
- G345 Right front seat temperature sensor
- J255 Climatronic control module
- T3b 3-pin connector, black
- T6d 6-pin connector, under the driver seat, green
- T6e 6-pin connector, under the front passenger seat, green
- T16c 16-pin connector, brown
- Z45 Left front seat heating element
- Z46 Right front seat heating element
- * Refer to the applicable heated seats wiring diagram
- *2 Only for vehicles with an auxiliary heater



| | |
|----|---------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |

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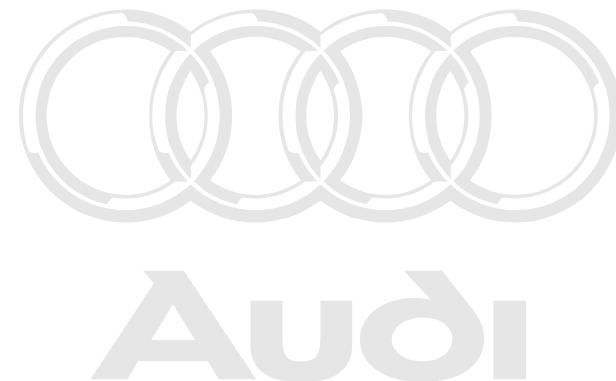
99 100 101 102 103 104 105 106 107 108 109 110 111 112

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

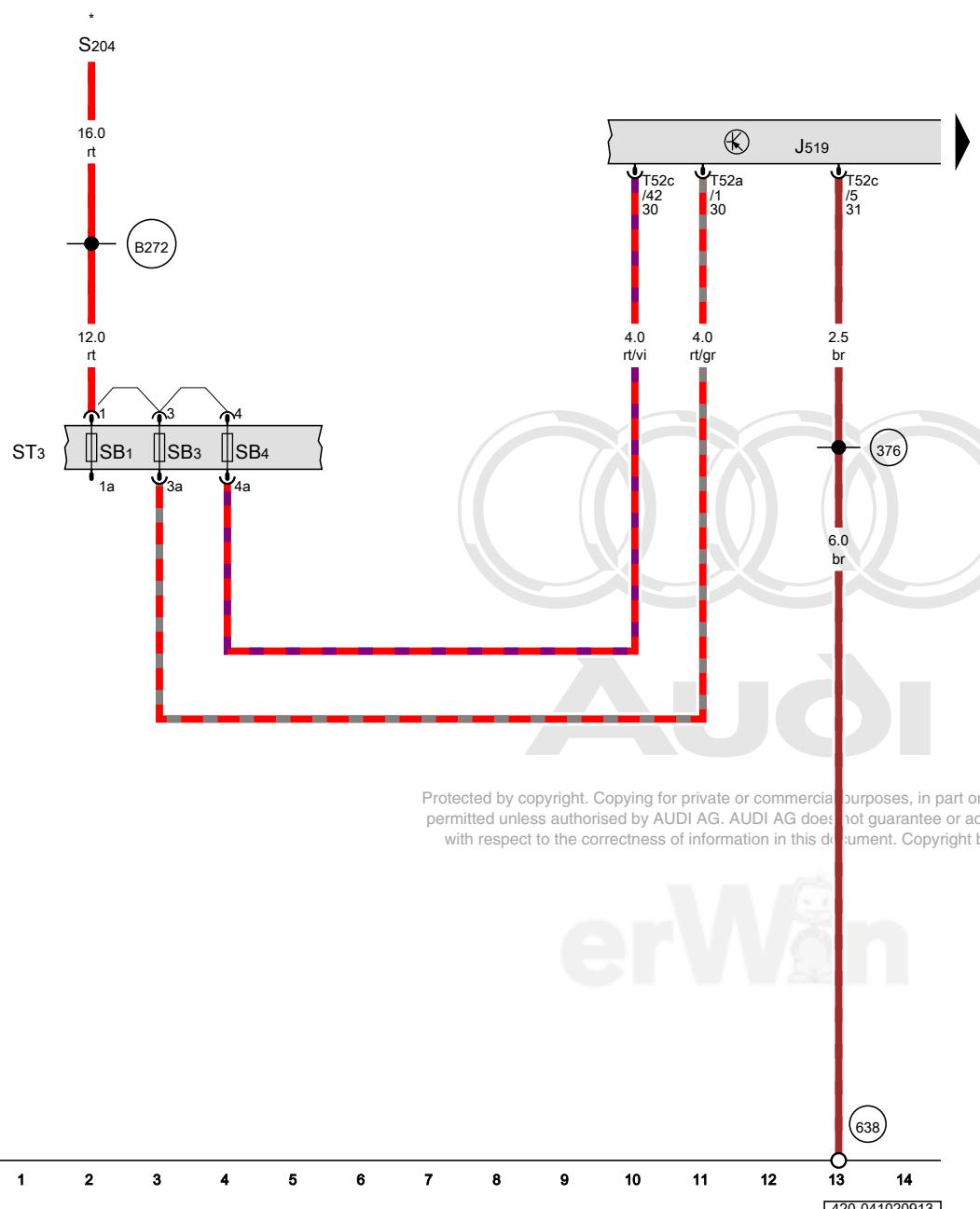
Headlamps, LED

from May 2009



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Vehicle electrical system control module

- J519 Vehicle electrical system control module
- SB1 Fuse 1 (on fuse panel B)
- SB3 Fuse 3 (on fuse panel B)
- ST3 Fuse panel 3
- SB4 Fuse 4 (on fuse panel B)
- S204 Fuse 1 (terminal 30)
- T52a 52-pin connector, black
- T52c 52-pin connector, brown
- (376) Ground connection 11 (in main wiring harness)
- (638) Ground connection on right A-pillar
- (B272) Positive connection (30) (in main wiring harness)
- * Main distribution in the right front footwell

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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 |

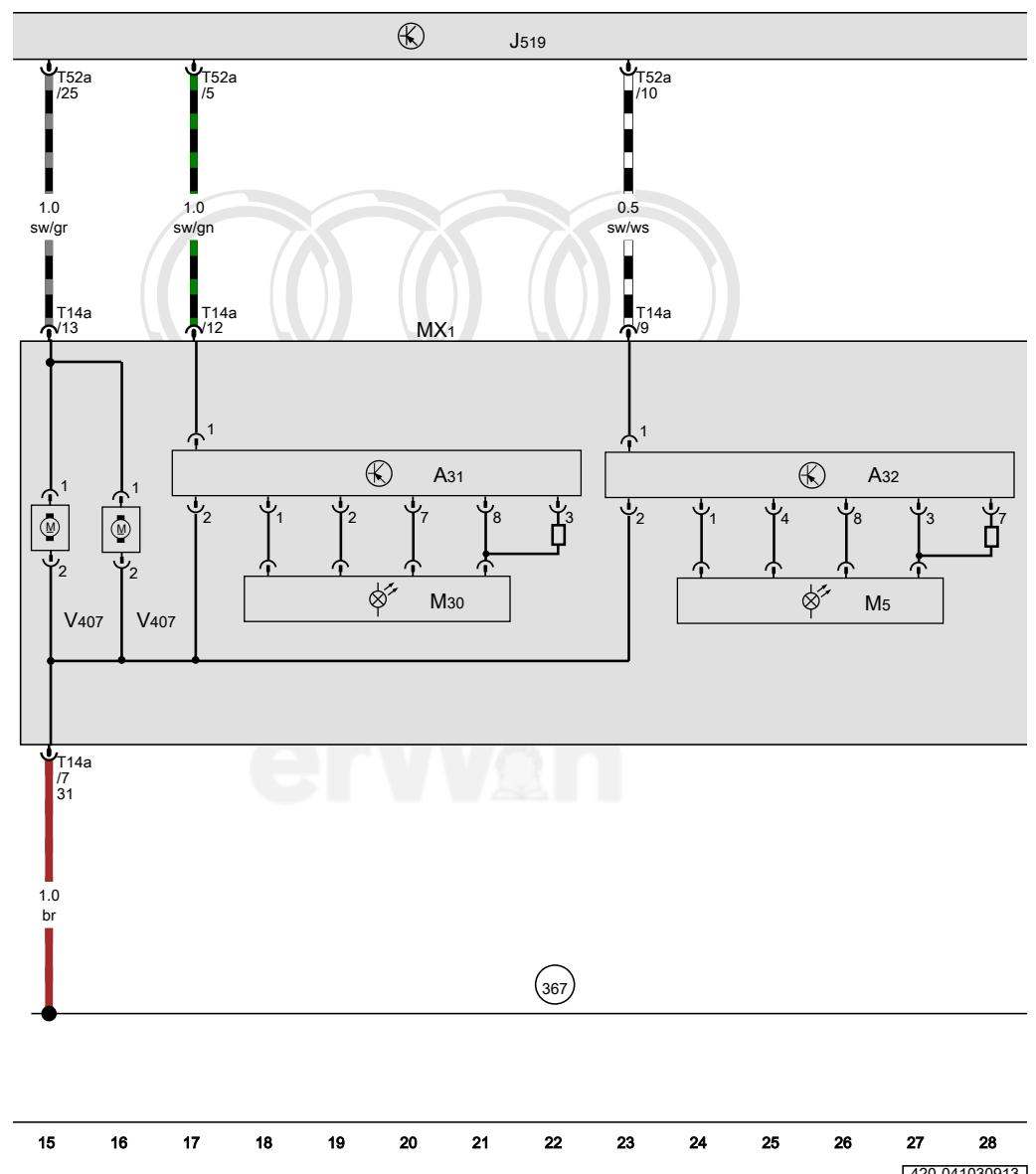
1 2 3 4 5 6 7 8 9 10 11 12 13 14

420-0410209131

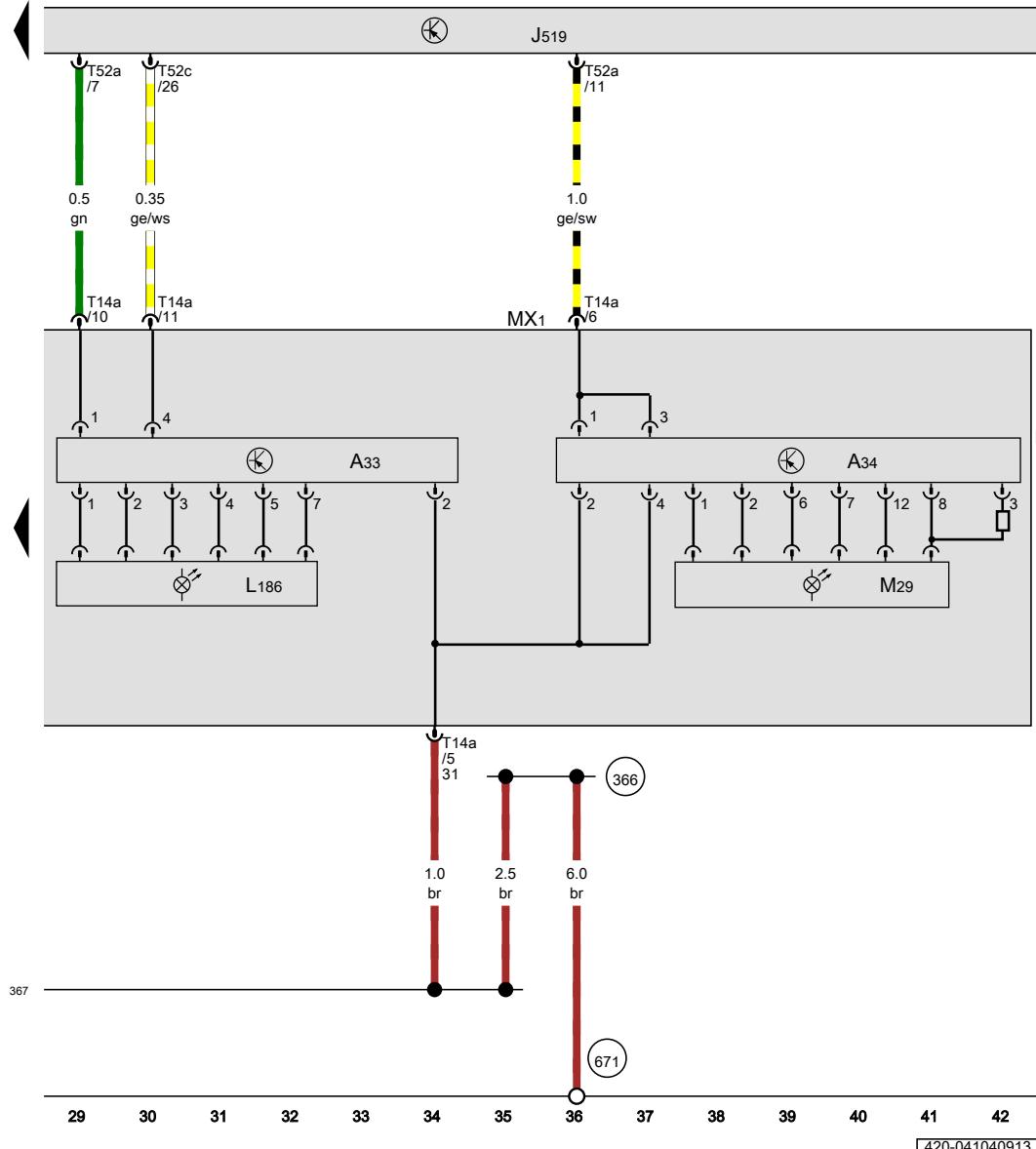
Vehicle electrical system control module, Left front headlamp

- A31 Left LED headlamp power output module 1
 A32 Left LED headlamp power output module 2
 J519 Vehicle electrical system control module
 MX1 Left front headlamp
 M5 Left front turn signal bulb
 M30 Left high beam headlamp bulb
 T14a 14-pin connector, black
 T52a 52-pin connector, black
 V407 Left headlamp fan

(367) Ground connection 2 (in main wiring harness)



Vehicle electrical system control module, Left front headlamp

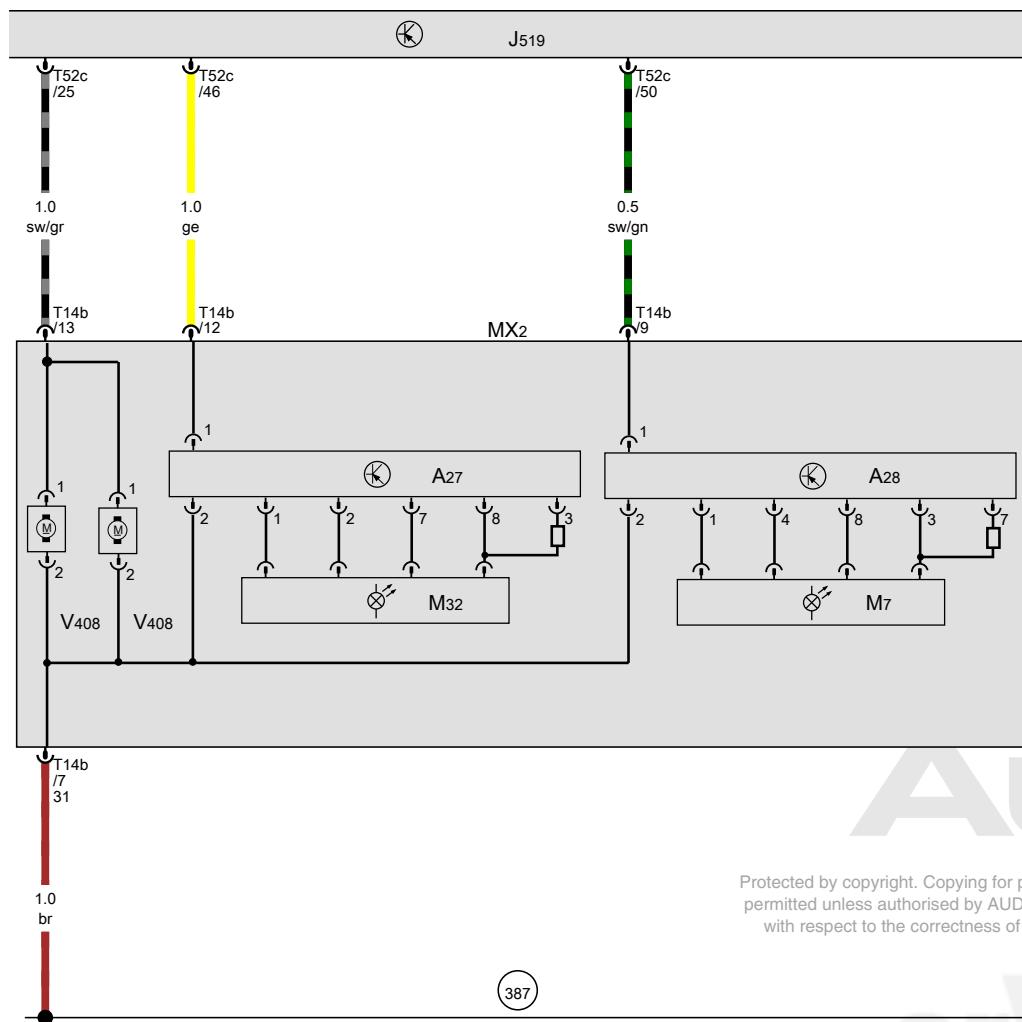


| | |
|----|----------|
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| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Vehicle electrical system control module, Right front headlamp

- A27 Right LED headlamp power output module 1
- A28 Right LED headlamp power output module 2
- J519 Vehicle electrical system control module
- MX2 Right front headlamp
- M7 Right front turn signal bulb
- M32 Right high beam headlamp bulb
- T14b 14-pin connector, black
- T52c 52-pin connector, brown
- V408 Right headlamp fan

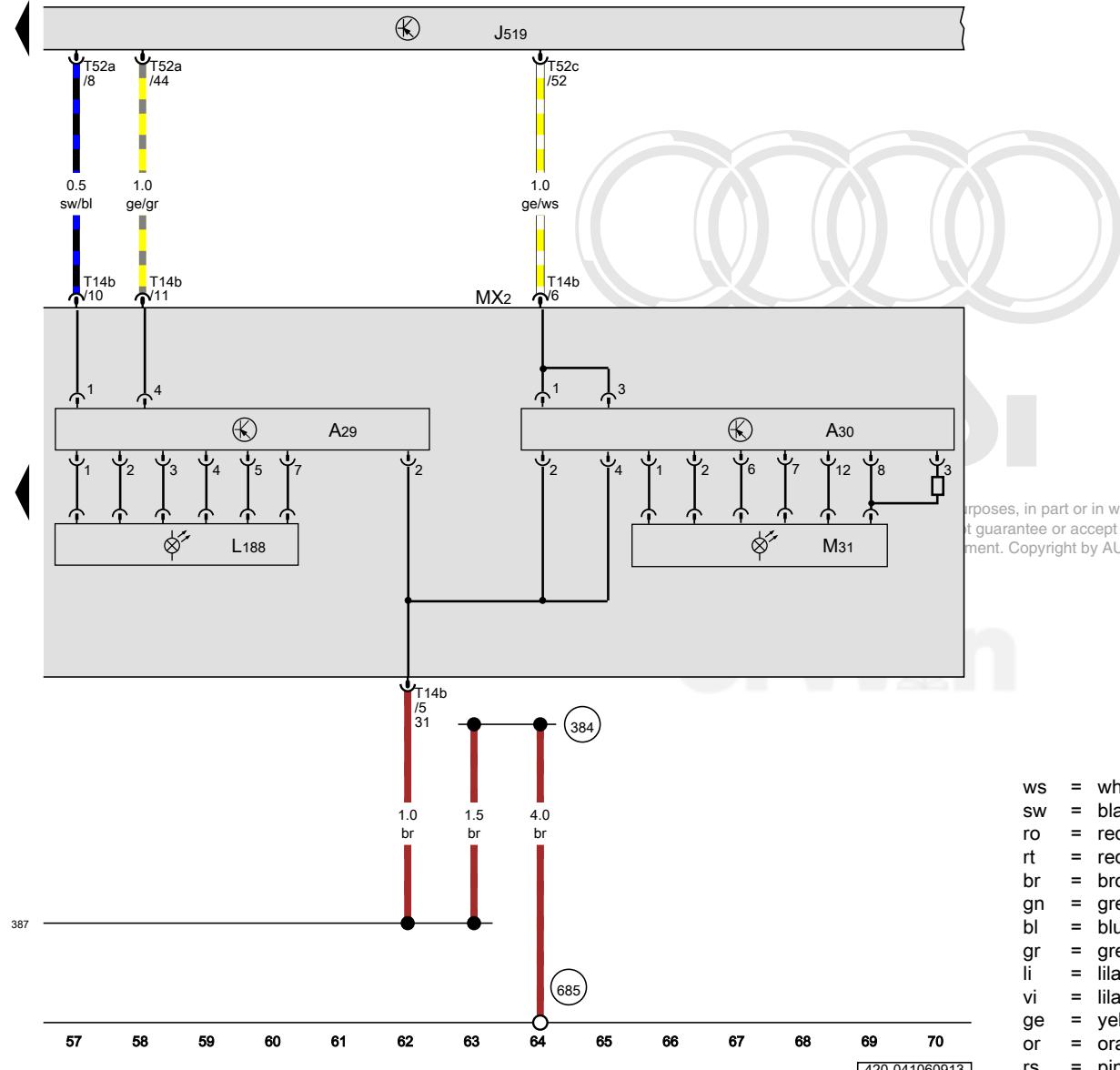
(387) Ground connection 22 (in main wiring harness)



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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 |

Vehicle electrical system control module, Right front headlamp



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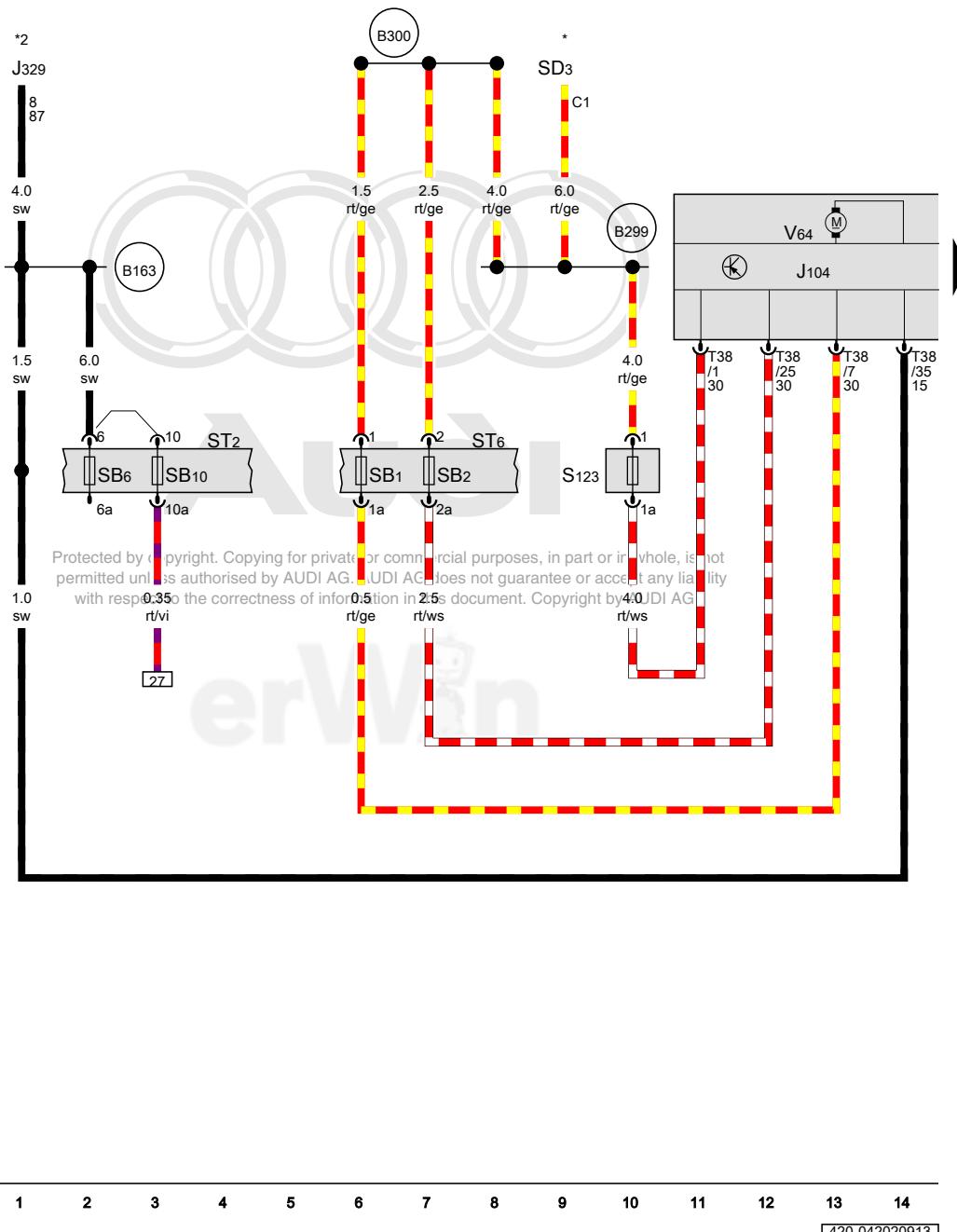
Anti-Lock Brake System (ABS) with EDL and ASR and ESP

from May 2009



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erMan



ABS control module, ABS control module fuse 1

- J104 ABS control module
J329 Terminal 15 power supply relay
SB1 Fuse 1 (on fuse panel B)
ST2 Fuse panel 2
SB2 Fuse 2 (on fuse panel B)
SD3 Fuse 3 (on fuse panel D)
ST6 Fuse panel 6
SB6 Fuse 6 (on fuse panel B)
SB10 Fuse 10 (on fuse panel B)
S123 ABS control module fuse 1, on the vehicle electrical system control module
T38 38-pin connector, gray
V64 ABS hydraulic pump

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

(B299) Positive connection 3 (30) (in main wiring harness)

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

* Main fuse box in the right front footwell
*2 Relay carrier in the right front footwell

* Main fuse box in the right front footwell

*2 Relay carrier in the right front footwell

| | |
|----|----------|
| 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 |

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

E256 ASR/ESP button
 E461 Front center console control head
 F Brake lamp switch
 F47 Brake pedal switch
 G201 Brake pressure sensor 1
 J104 ABS control module
 J271 Motronic engine control module power supply relay, 9-pin relay and fuse panel C under the rear shelf, right

J519 Vehicle electrical system control module
 J623 Engine control module
 J623 Fuse panel 3
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB8 Fuse 8 (on fuse panel B)
 SC10 Fuse 10 (on fuse panel C)
 S205 Fuse 2 (terminal 30)
 T4 4-pin connector, black
 T16e 16-pin connector, brown
 T17e 17-pin connector, Connector station under the rear shelf, right, red
 T38 38-pin connector, gray
 T52c 52-pin connector, brown

672 Ground connection 2 on left front longitudinal member

B317 Positive connection 3 (30a) (in main wiring harness)

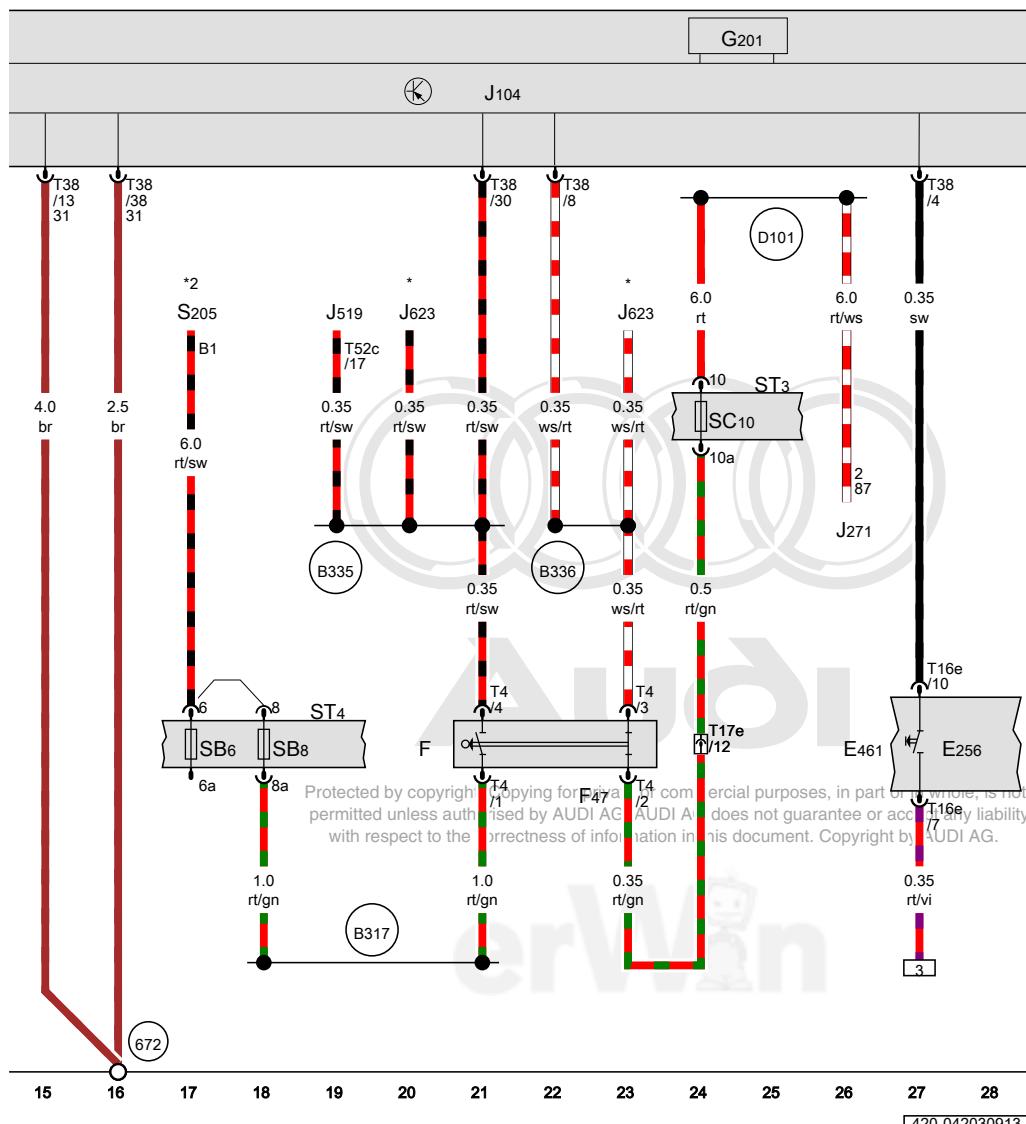
B335 Connection 54 (in main wiring harness) 1

B336 Connection 54 (in main wiring harness) 2

D101 Connection 1 (in engine compartment wiring harness)

* Refer to applicable engine wiring diagram
 *2 Main distribution in the right front footwell

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

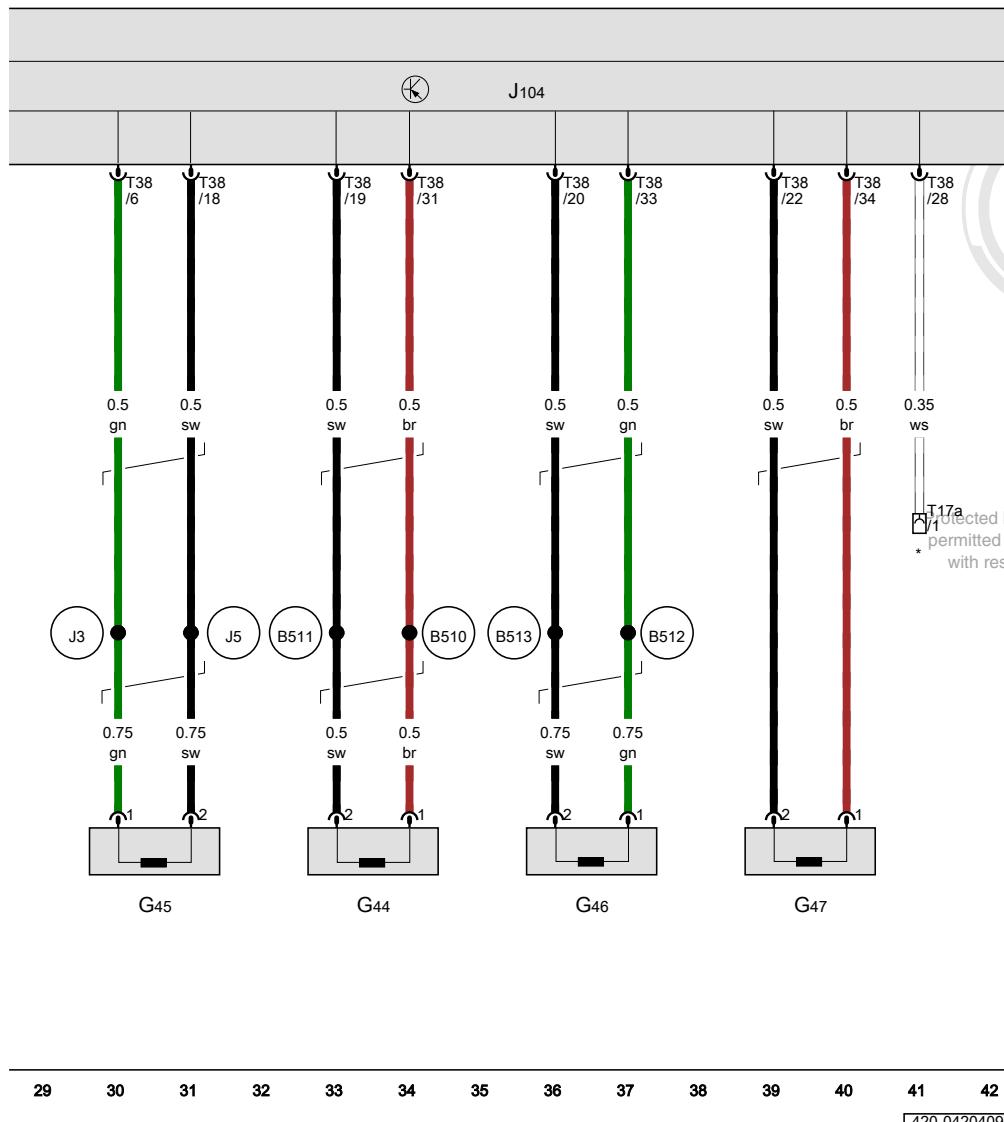


Left rear ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

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
 T17a 17-pin connector, Inside the center console connector station on the right side, black
 T38 38-pin connector, gray

- (B510) Right rear speed sensor connection 1 (in interior wiring harness)
 - (B511) Right rear speed sensor connection 2 (in interior wiring harness)
 - (B512) Left rear speed sensor connection 1 (in interior wiring harness)
 - (B513) Left rear speed sensor connection 2 (in interior wiring harness)
 - J3 Connection 1 (in ABS wiring harness)
 - J5 Connection 2 (in ABS wiring harness)
- * Speed signal output for retrofitted equipment

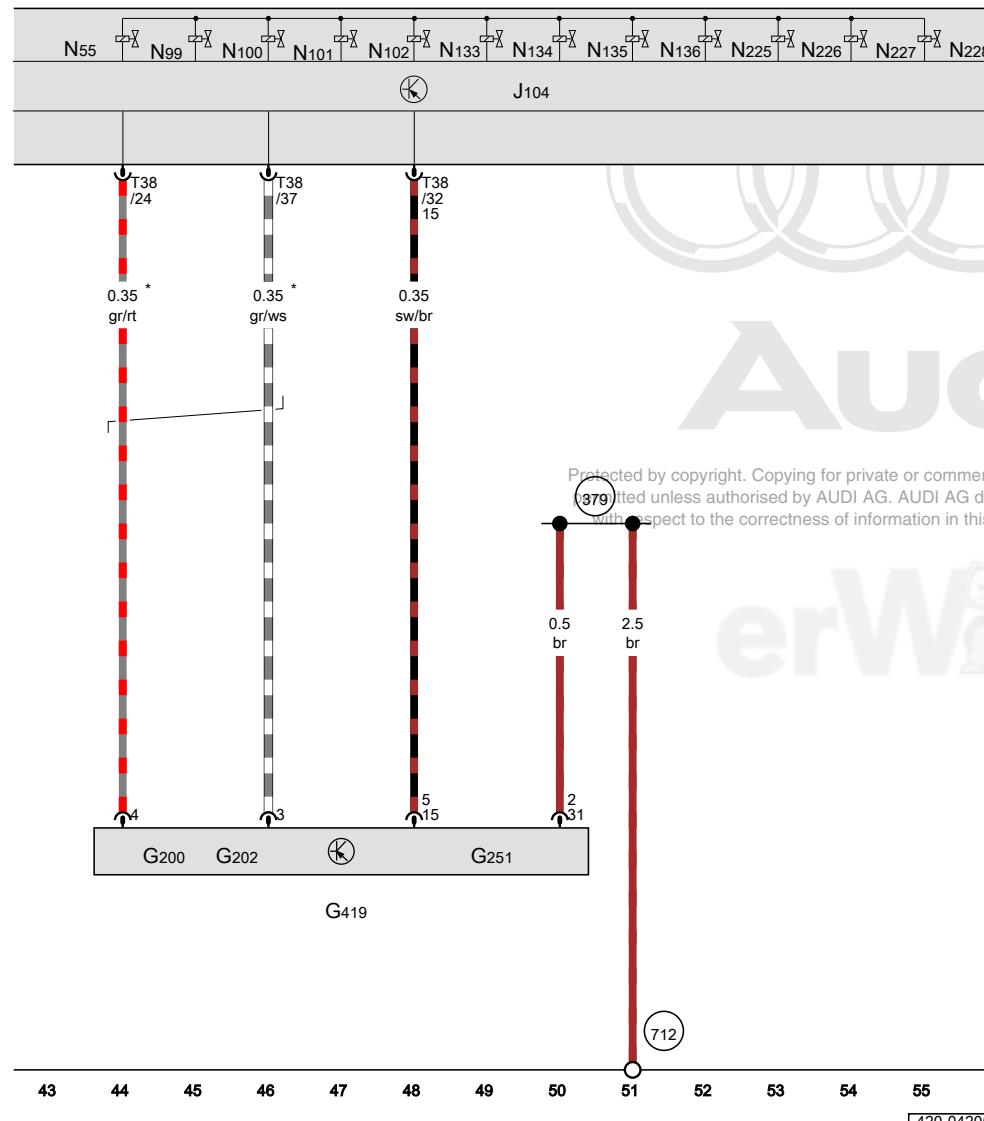
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ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

ESP sensor unit, ABS control module, ABS hydraulic unit

- G200 Transverse acceleration sensor
 G202 Rotation rate sensor
 G251 Longitudinal acceleration sensor
 G419 ESP sensor unit
 J104 ABS control module
 N55 ABS hydraulic unit
 N99 Right front ABS inlet valve
 N100 Right front ABS outlet valve
 N101 Left front ABS inlet valve
 N102 Left front ABS outlet valve
 N133 Right rear ABS inlet valve
 N134 Left rear ABS inlet valve
 N135 Right rear ABS outlet valve
 N136 Left rear ABS outlet valve
 N225 Driving dynamics regulation switch valve 1
 N226 Driving dynamics regulation switch valve 2
 N227 Driving dynamics regulation high pressure switch valve 1
 N228 Driving dynamics regulation high pressure switch valve 2
 T38 38-pin connector, gray
379 Ground connection 14 (in main wiring harness)
712 Ground connection under rear shelf, left
 * Data bus wire (CAN bus)



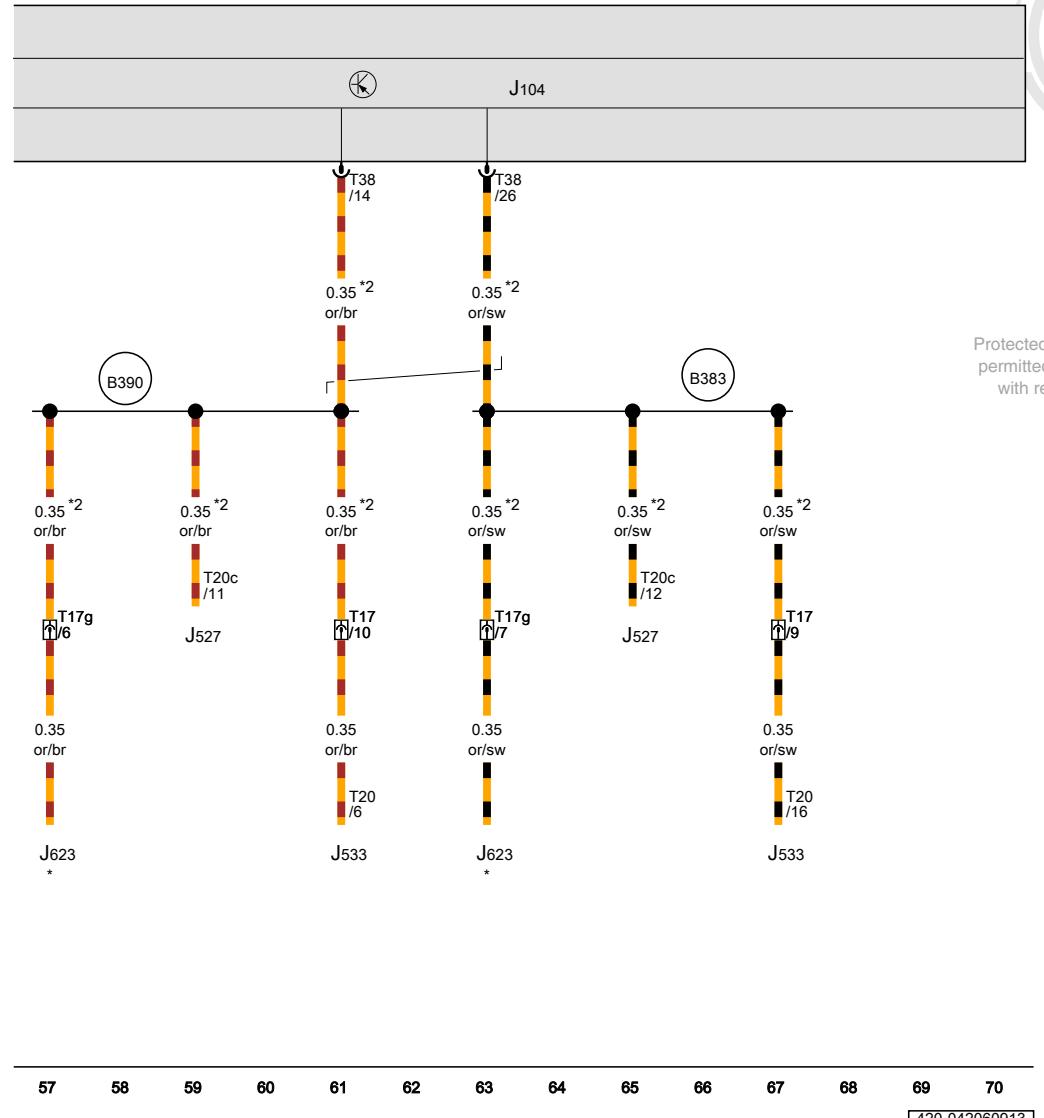
| | |
|----|----------|
| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

ABS control module

- J104 ABS control module
 J527 Steering column electronics control module
 J533 Data bus on board diagnostic interface
 J623 Engine control module
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T17g 17-pin connector, Connector station under the rear shelf, right, black
 T20 20-pin connector, red
 T20c 20-pin connector
 T38 38-pin connector, gray
 B383 Powertrain CAN bus high connection 1 (in main wiring harness)
 B390 Powertrain CAN bus low connection 1 (in main wiring harness)

* Refer to applicable engine wiring diagram
 *² Data bus wire (CAN bus)

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| ge | = yellow |
| or | = orange |
| rs | = pink |

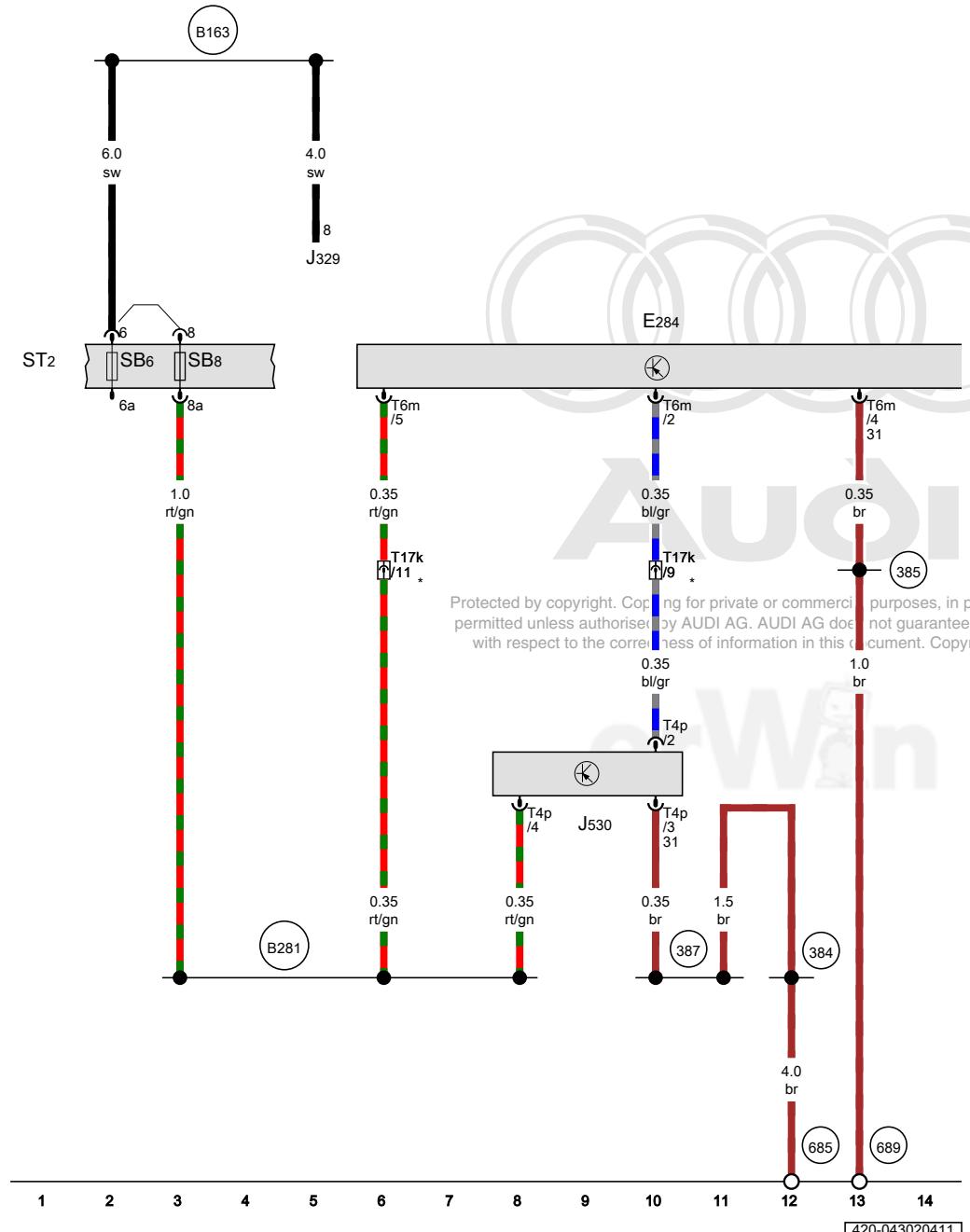
Garage door opener

From June 2009



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Garage door opener control head, Garage door opener control module

E284 Garage door opener control head
 J329 Terminal 15 power supply relay, Relay carrier in the right front footwell

J530 Garage door opener control module

ST2 Fuse panel 2

SB6 Fuse 6 (on fuse panel B)

SB8 Fuse 8 (on fuse panel B)

T4p 4-pin connector

T6m 6-pin connector

T17k 17-pin connector, on the left A-pillar

384 Ground connection 19 (in main wiring harness)

385 Ground connection 20 (in main wiring harness)

387 Ground connection 22 (in main wiring harness)

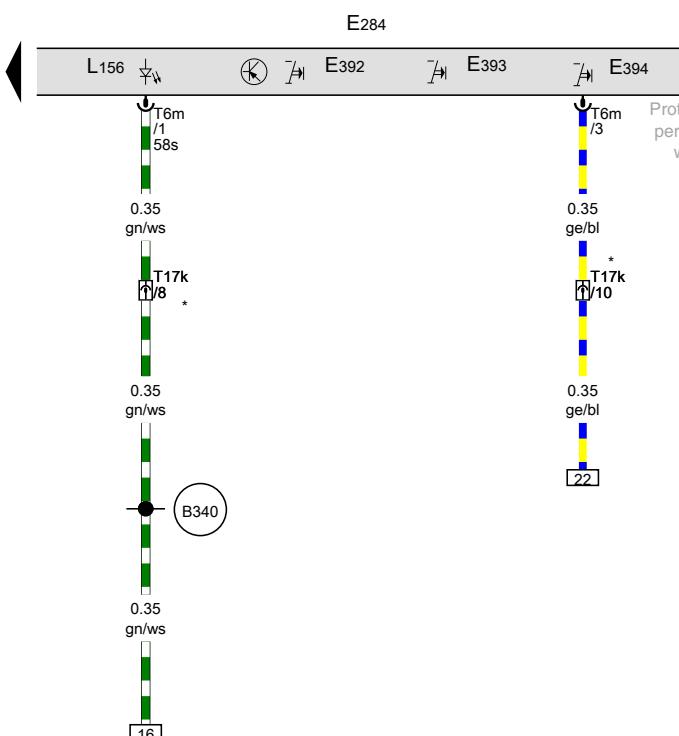
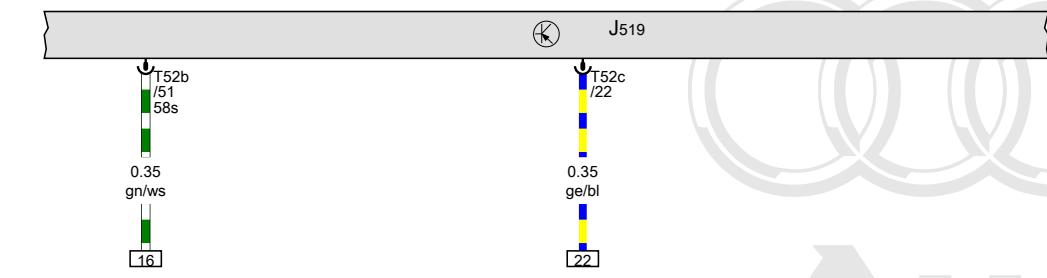
685 Ground connection 1 on right front longitudinal member

689 Ground connection on roof, center front

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

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

* Depending on equipment

Garage door opener control head, Garage door opener button 1, Vehicle electrical system control module


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- E284 Garage door opener control head
- E392 Garage door opener button 1
- E393 Garage door opener button 2
- E394 Garage door opener button 3
- J519 Vehicle electrical system control module
- L156 Switch illumination bulb
- T6m 6-pin connector
- T17k 17-pin connector, on the left A-pillar
- T52b 52-pin connector
- T52c 52-pin connector

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

* Depending on equipment

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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

1470-0430304111

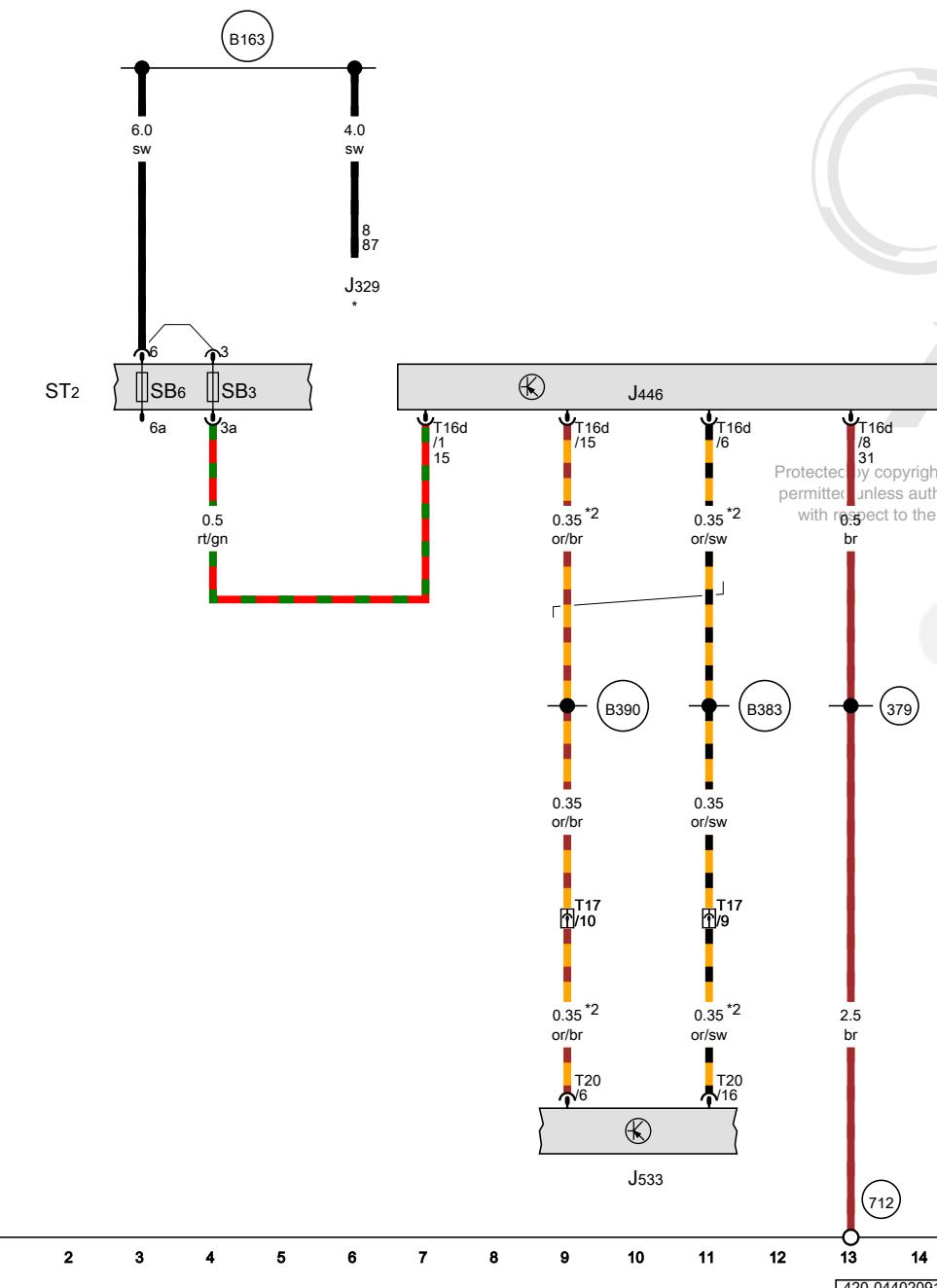
Front and rear parking aid (PDC)

from May 2009



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Parking aid control module, Fuse panel 2

J329 Terminal 15 power supply relay
 J446 Parking aid control module
 J533 Data bus on board diagnostic interface
 ST2 Fuse panel 2
 SB3 Fuse 3 (on fuse panel B)
 SB6 Fuse 6 (on fuse panel B)
 T16d 16-pin connector, brown
 T17 17-pin connector, Inside the center console connector station on the right side, red
 T20 20-pin connector, red

(379) Ground connection 14 (in main wiring harness)

(712) Ground connection under rear shelf, left

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

(B383) Powertrain CAN bus high connection 1 (in main wiring harness)

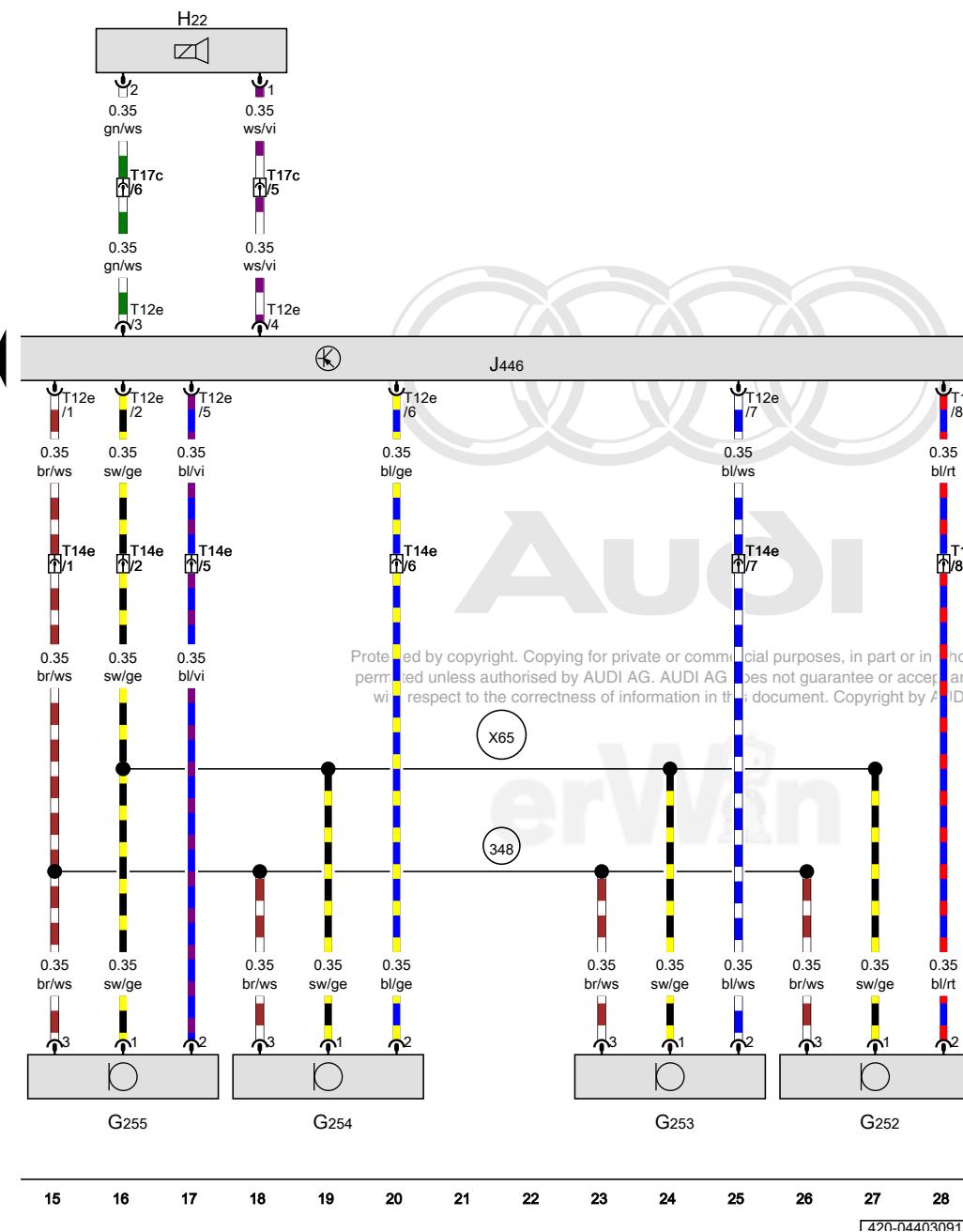
(B390) Powertrain CAN bus low connection 1 (in main wiring harness)

* Relay carrier in the right front footwell
*2 Data bus wire (CAN bus)

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| ge | = yellow |
| or | = orange |
| rs | = pink |

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

420-0440209131



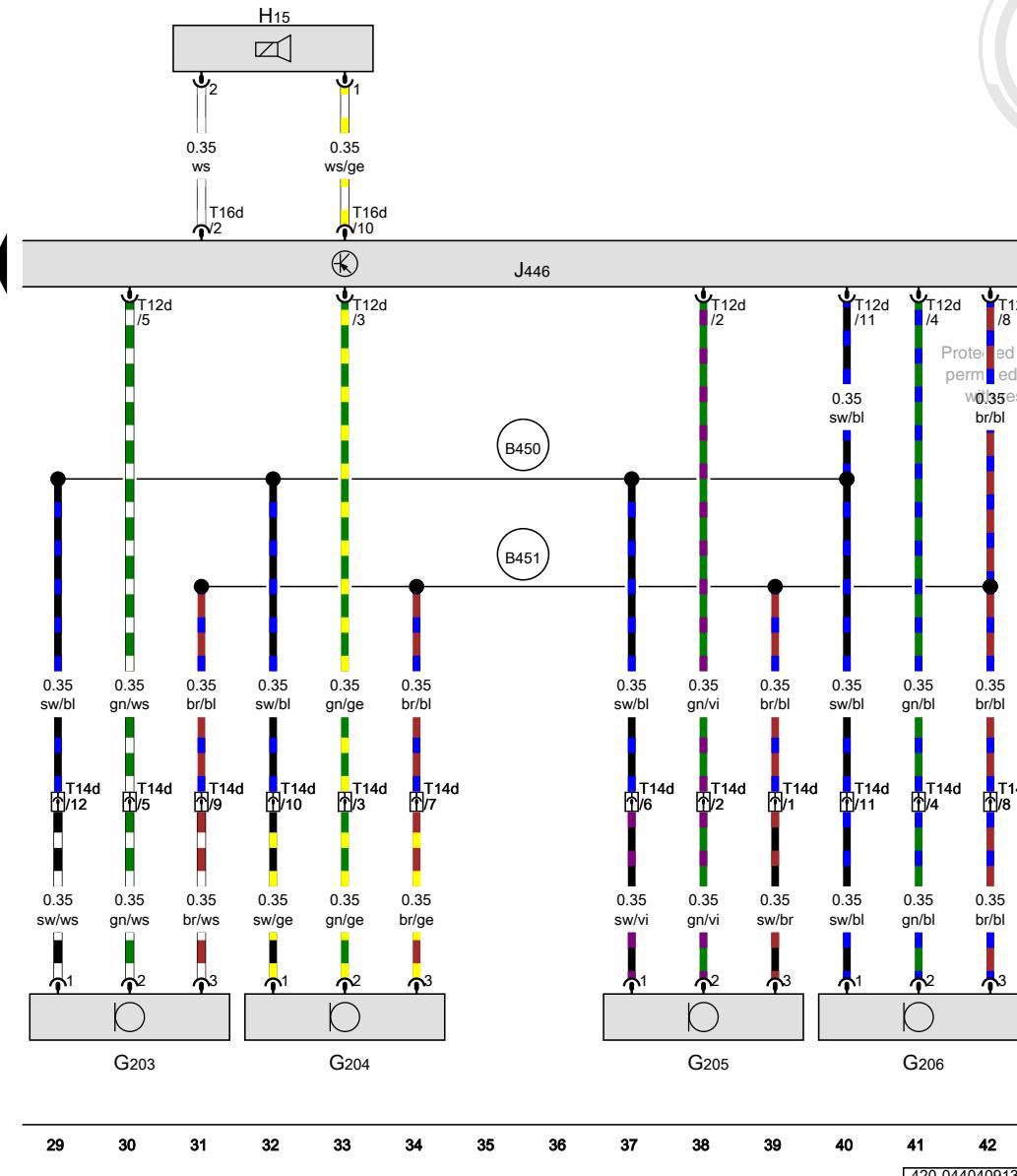
Right front parking aid sensor, Left front center parking aid sensor, Left front parking aid sensor, Front parking aid warning buzzer, Parking aid control module

- 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
- T12e 12-pin connector
- T14e 14-pin connector, behind the right front bumper, black
- T17c 17-pin connector, Inside the center console connector station on the right side, blue
- (348) Parking aid ground connection (in front bumper wiring harness)
- (X65) Parking aid connection (in front bumper 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

Left rear center 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
- T12d 12-pin connector, black
- T14d 14-pin connector, behind the left rear bumper, black
- T16d 16-pin connector, brown
- (B450) Park distance control connection 1 (in main wiring harness)
- (B451) Park distance control connection 2 (in main wiring harness)

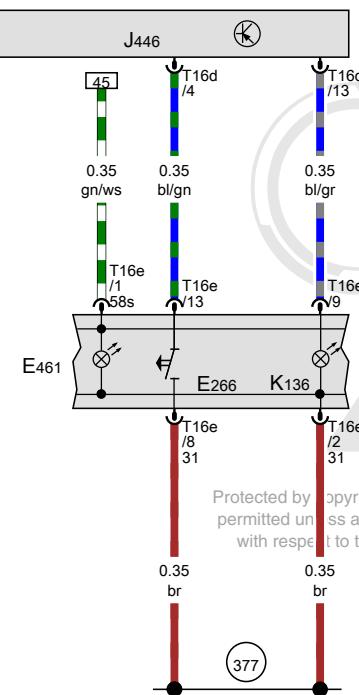
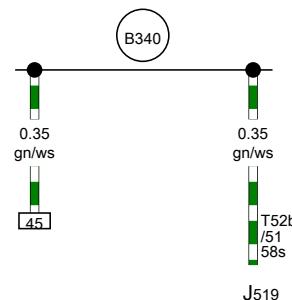


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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

4200-0440409131



Parking aid button, Front center console control head,
Parking aid control module, Parking aid indicator lamp

- E266 Parking aid button
- E461 Front center console control head
- J446 Parking aid control module
- J519 Vehicle electrical system control module
- K136 Parking aid indicator lamp
- T16d 16-pin connector, brown
- T16e 16-pin connector, brown
- T52b 52-pin connector, yellow
- (377) Ground connection 12 (in main wiring harness)
- (637) Airbag control module ground connection
- (B340) Connection 58d (in main wiring harness) 1

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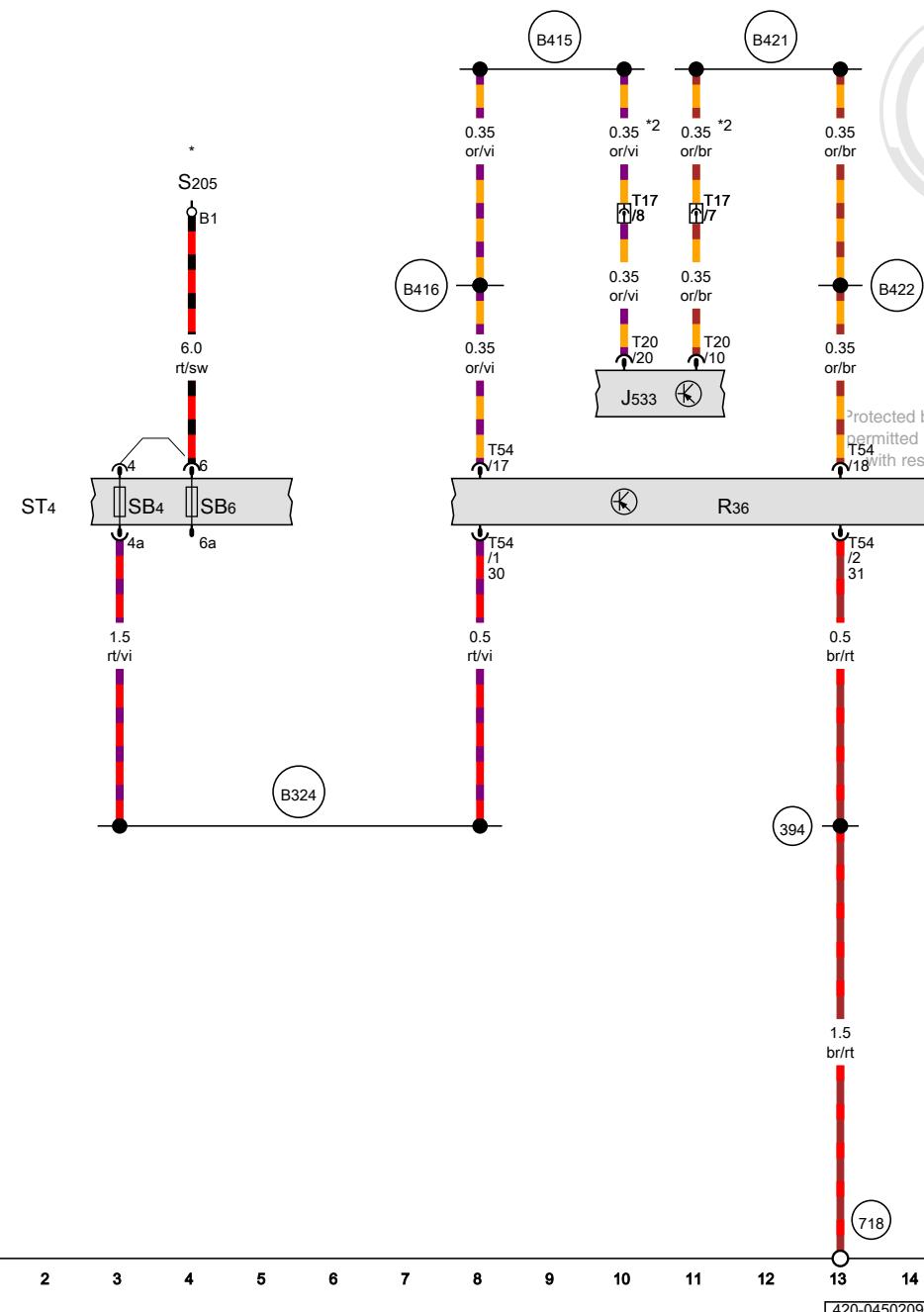
Cell phone preparation (Bluetooth)

from May 2009



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Data bus on board diagnostic interface, Telephone transceiver

- J533 Data bus on board diagnostic interface
R36 Telephone transceiver
ST4 Fuse panel 4
SB4 Fuse 4 (on fuse panel B)
SB6 Fuse 6 (on fuse panel B)
S205 Fuse 2 (terminal 30)
T17 17-pin connector, Right front center console, red
T20 20-pin connector, red
T54 54-pin connector, black

394 Ground connection 29 (in main wiring harness)

718 Audio ground connection under rear shelf

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B324 Positive connection 10 (30a) (in main wiring harness)
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B415 Infotainment CAN Bus high connection 1 (in main wiring harness)

B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

B421 Infotainment CAN bus low connection 1 (in main wiring harness)

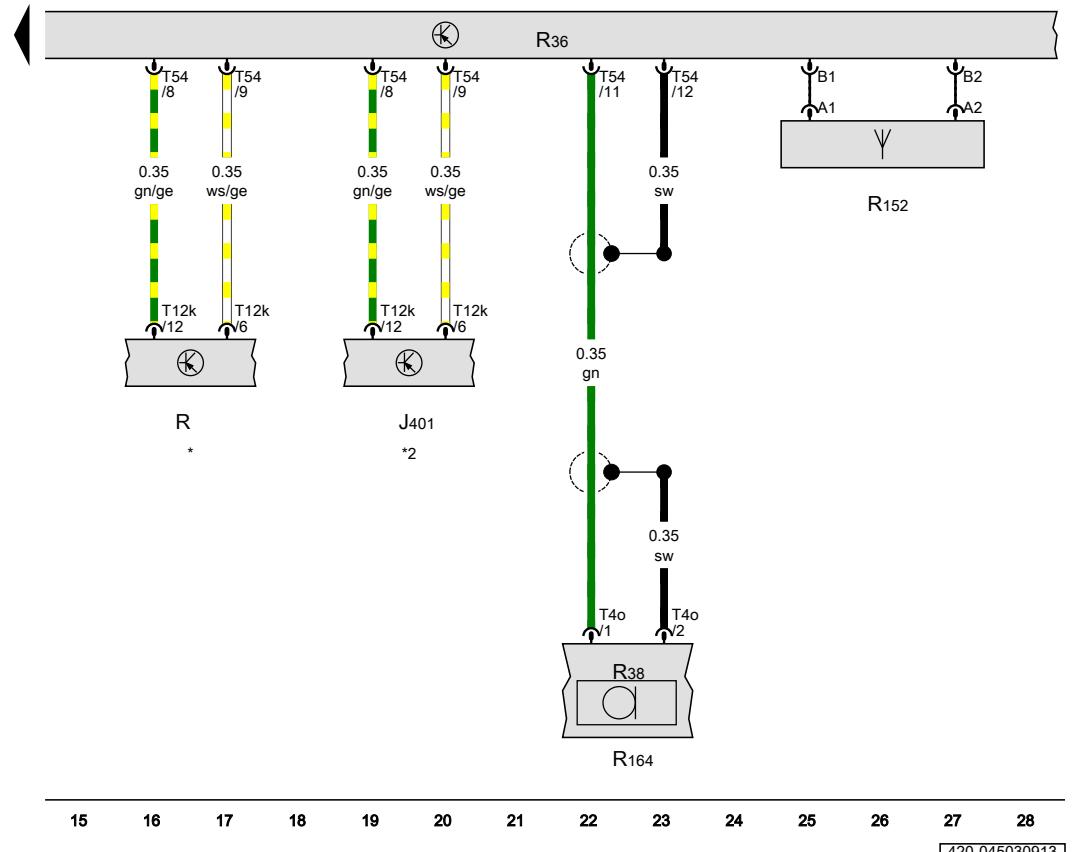
B422 Infotainment CAN bus low connection 2 (in main wiring harness)

* Main distribution in the right front footwell
*2 Data bus wire (CAN bus)

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| rt | = red |
| br | = brown |
| gn | = green |
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| gr | = grey |
| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

Telephone transceiver, Telephone microphone, Bluetooth antenna, Microphone unit in front roof module

- J401 Navigation system with CD drive control module
- R Radio
- R36 Telephone transceiver
- R38 Telephone microphone
- R152 Bluetooth antenna
- R164 Microphone unit in front roof module
- T4o 4-pin connector, black
- T12k 12-pin connector, black
- T54 54-pin connector, black
- * Only for vehicles with a radio
- *2 Only for vehicles with radio navigation system



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| rs | = pink |

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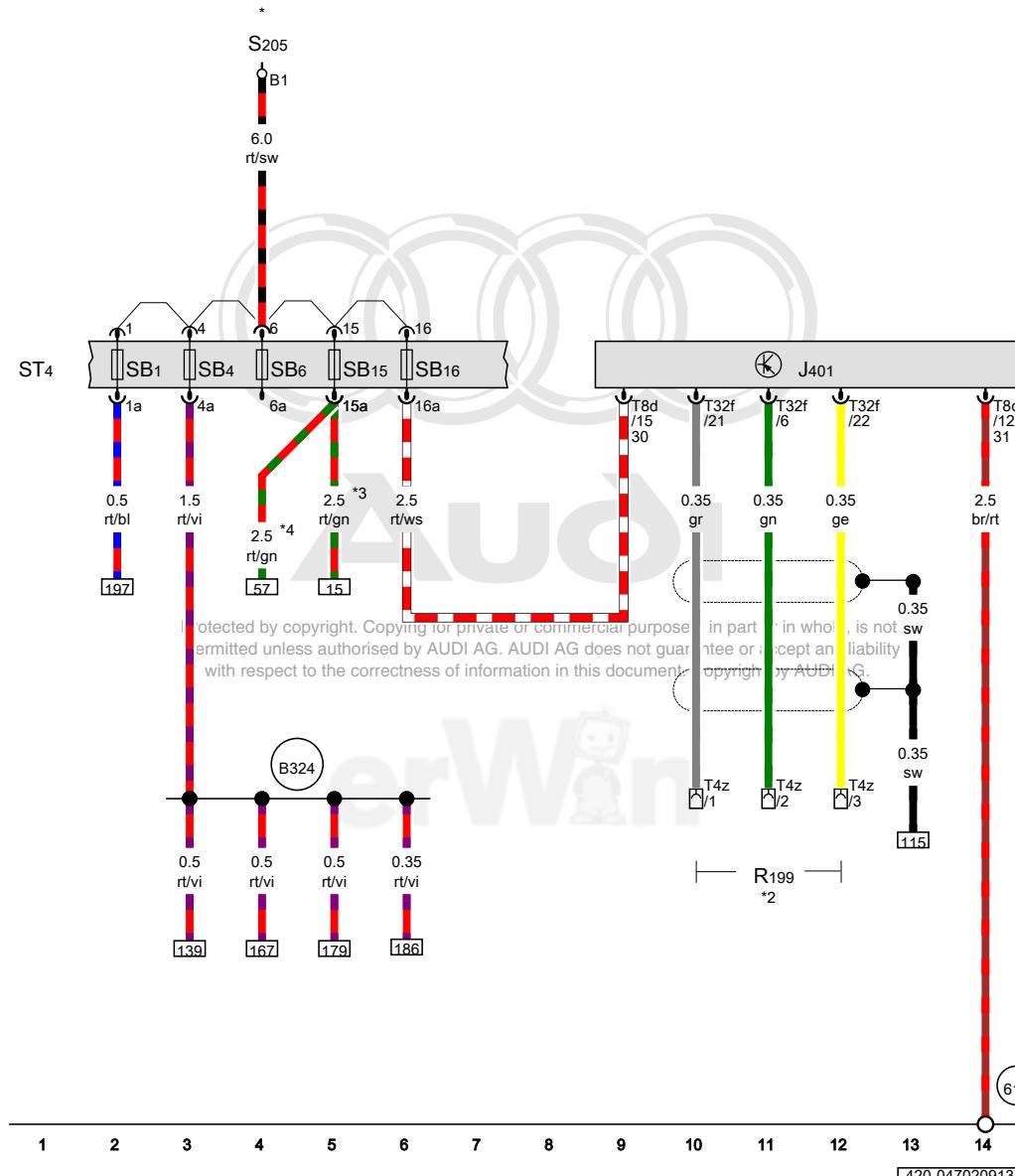
Radio navigation system, satellite radio
from May 2009



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The erWin logo, featuring the brand name in a stylized font with a small robot icon integrated into the letter "e".

Navigation system with CD drive control module, External audio source connection



J401 Navigation system with CD drive control module

R199 External audio source connection

SB1 Fuse 1 (on fuse panel B)

ST4 Fuse panel 4

SB4 Fuse 4 (on fuse panel B)

SB6 Fuse 6 (on fuse panel B)

SB15 Fuse 15 (on fuse panel B)

SB16 Fuse 16 (on fuse panel B)

S205 Fuse 2 (terminal 30)

T4z 4-pin connector, in the center console, black

T8d 8-pin connector, black

T32f 32-pin connector, gray

610 Audio ground connection under front center console

B324 Positive connection 10 (30a) (in main wiring harness)

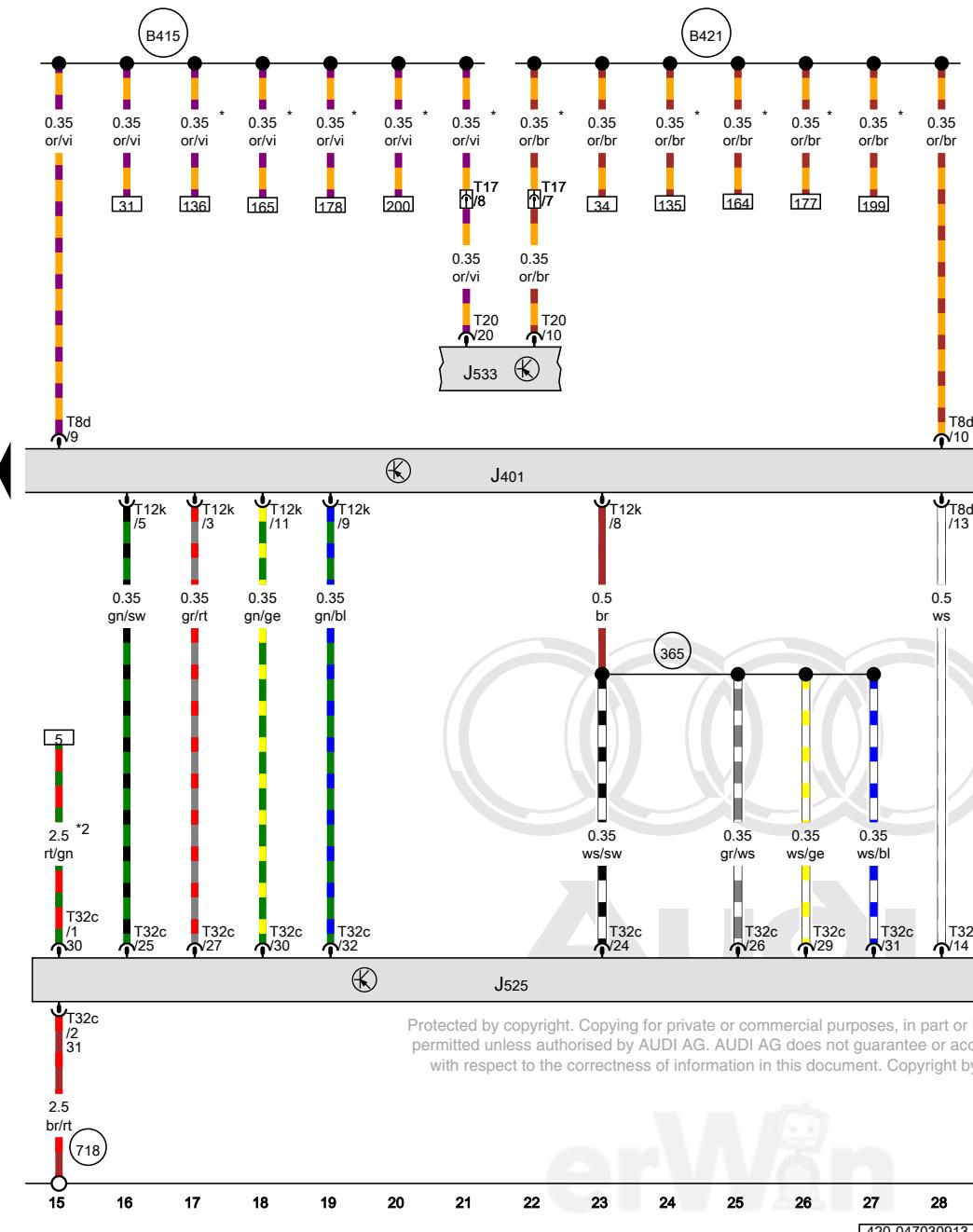
* Main distribution in the right front footwell

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

*3 Only for vehicles with standard sound system

*4 Only for vehicles with Bang & Olufsen sound system

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| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |



Navigation system with CD drive control module, Digital sound system control module, Data bus on board diagnostic interface

- J401 Navigation system with CD drive control module
 - J525 Digital sound system control module
 - J533 Data bus on board diagnostic interface
 - T8d 8-pin connector, black
 - T12k 12-pin connector, black
 - T17 17-pin connector, Right front center console, red
 - T20 20-pin connector, red
 - T32c 32-pin connector, black
 - (365) Low frequency ground connection 2 (in instrument panel wiring harness)
 - (718) Audio ground connection under rear shelf
 - (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
 - (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)
*2 Only for vehicles with standard sound system

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Navigation system with CD drive control module, Digital sound system control module, Left front bass speaker, Right front bass speaker, Center mid-treble speaker

J401 Navigation system with CD drive control module

J525 Digital sound system control module

R21 Left front bass speaker

R23 Right front bass speaker

R158 Center mid-treble speaker

T17c 17-pin connector, Right front center console, blue

T20a 20-pin connector, in the left front door, black

T20b 20-pin connector, in the right front door, black

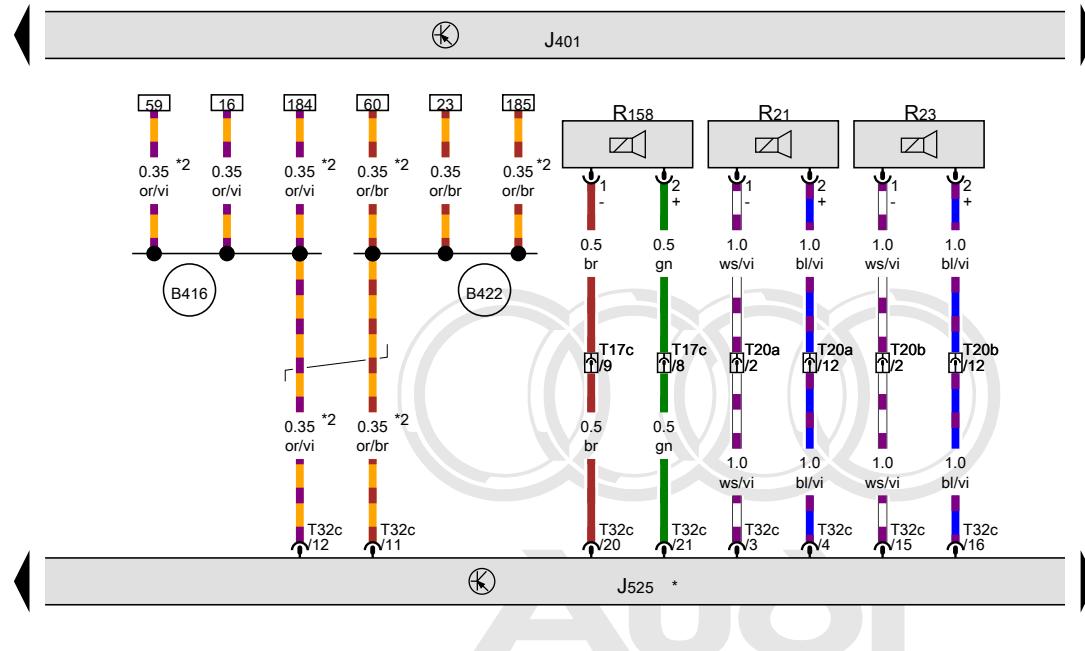
T32c 32-pin connector, black

(B416) Infotainment CAN Bus high connection 2 (in main wiring harness)

(B422) Infotainment CAN bus low connection 2 (in main wiring harness)

* Only for vehicles with standard sound system

*2 Data bus wire (CAN bus)

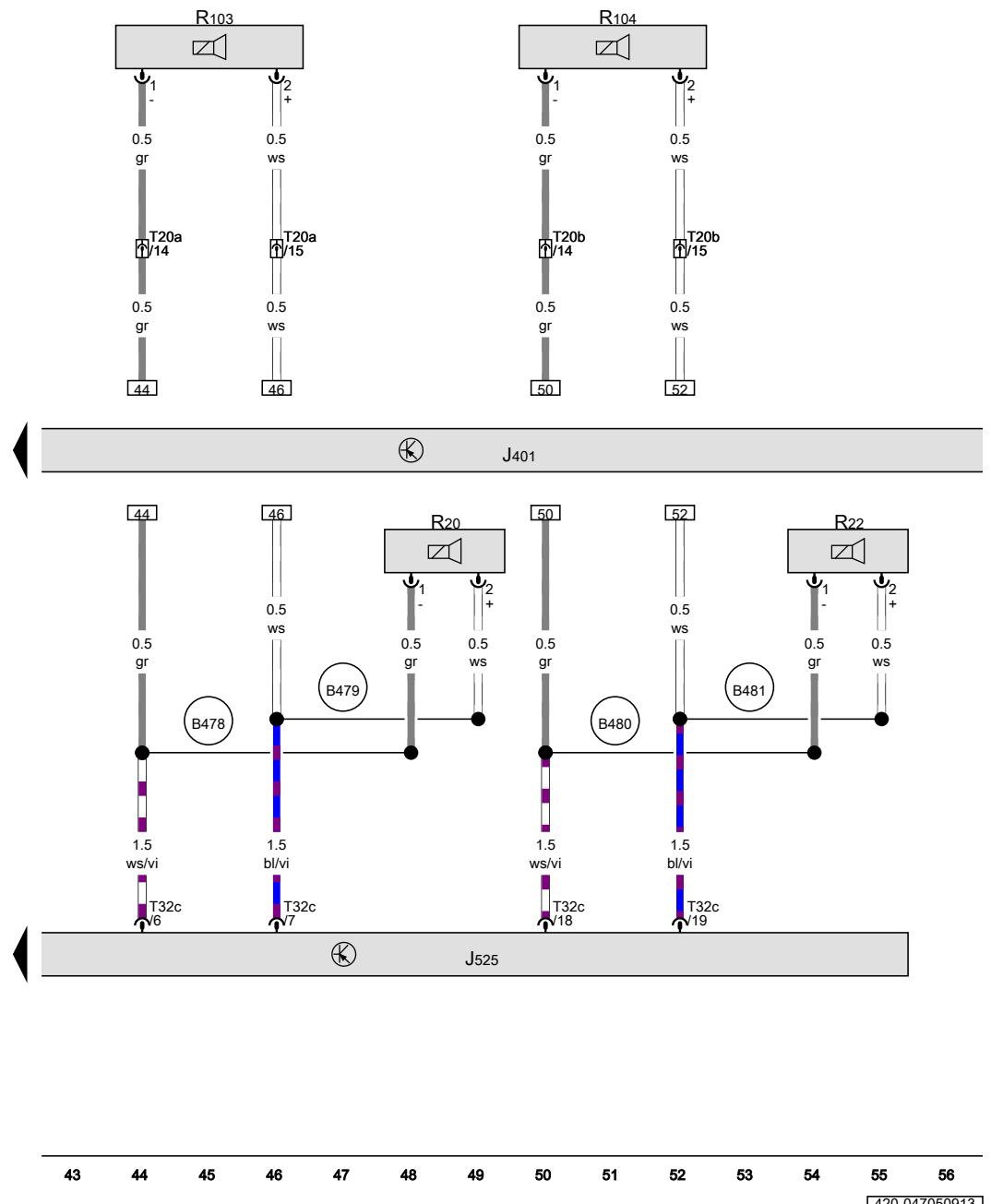


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29 30 31 32 33 34 35 36 37 38 39 40 41 42

F420-0470409131



Navigation system with CD drive control module, Digital sound system control module, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R20 Left front treble speaker
- R22 Right front treble speaker
- R103 Left front midrange speaker
- R104 Right front midrange speaker
- T20a 20-pin connector, in the left front door, black
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black

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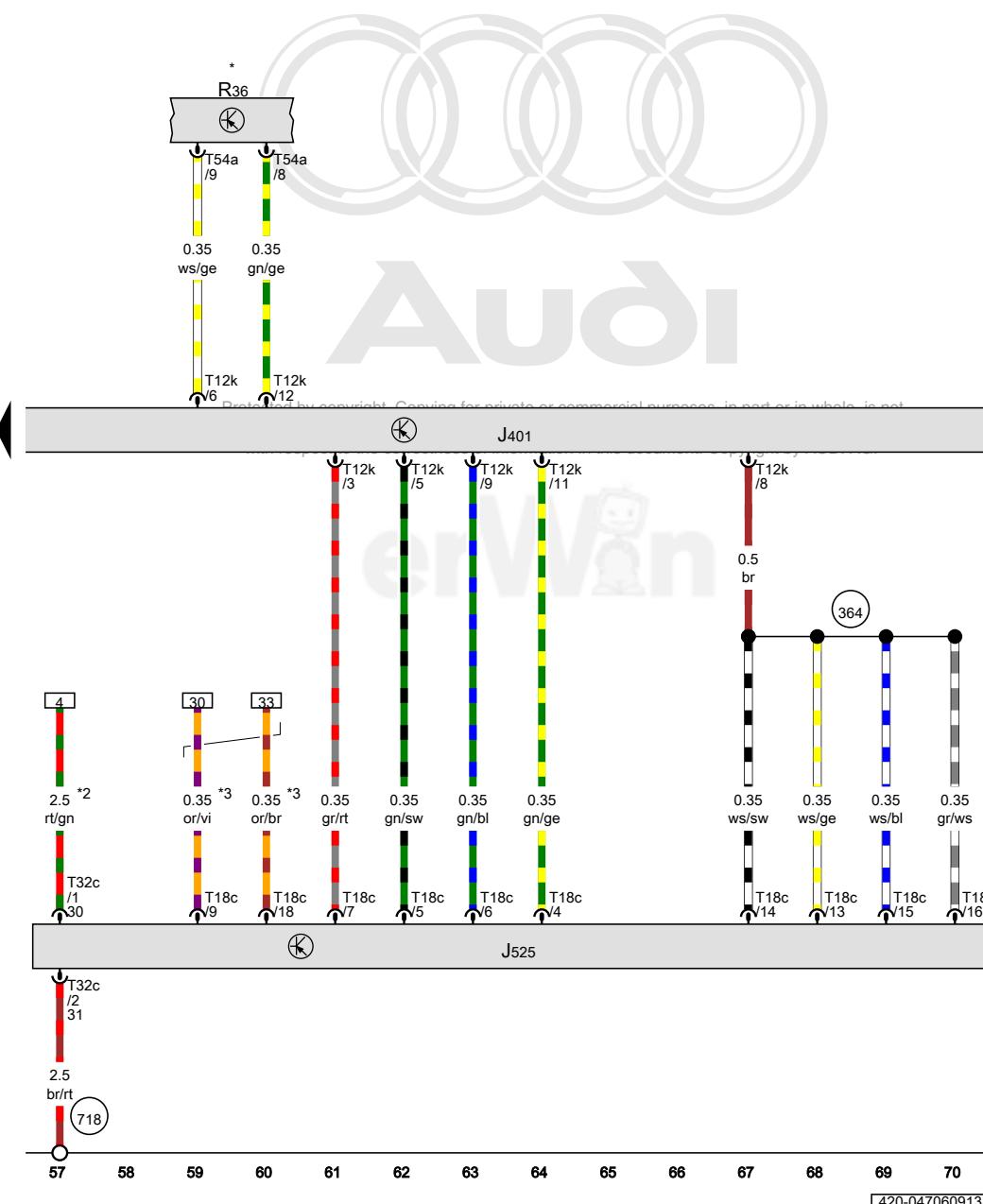
B478 Connection 14 (in main wiring harness)

B479 Connection 15 (in main wiring harness)

B480 Connection 16 (in main wiring harness)

B481 Connection 17 (in main wiring harness)

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| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

Navigation system with CD drive control module, Digital sound system control module


J401 Navigation system with CD drive control module
 J525 Digital sound system control module

R36 Telephone transceiver

T12k 12-pin connector, black

T18c 18-pin connector, black

T32c 32-pin connector, black

T54a 54-pin connector, black

(364) Low frequency ground connection 1 (in instrument panel wiring harness)

(718) Audio ground connection under rear shelf

* Only for vehicles with cell phone preparation

*2 Only for vehicles with Bang & Olufsen sound system

*3 Data bus wire (CAN bus)

Navigation system with CD drive control module, Digital sound system control module, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

J401 Navigation system with CD drive control module

J525 Digital sound system control module

R20 Left front treble speaker

R22 Right front treble speaker

R103 Left front midrange speaker

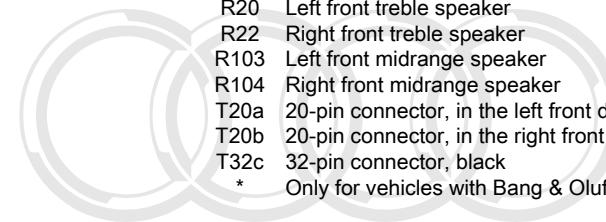
R104 Right front midrange speaker

T20a 20-pin connector, in the left front door, black

T20b 20-pin connector, in the right front door, black

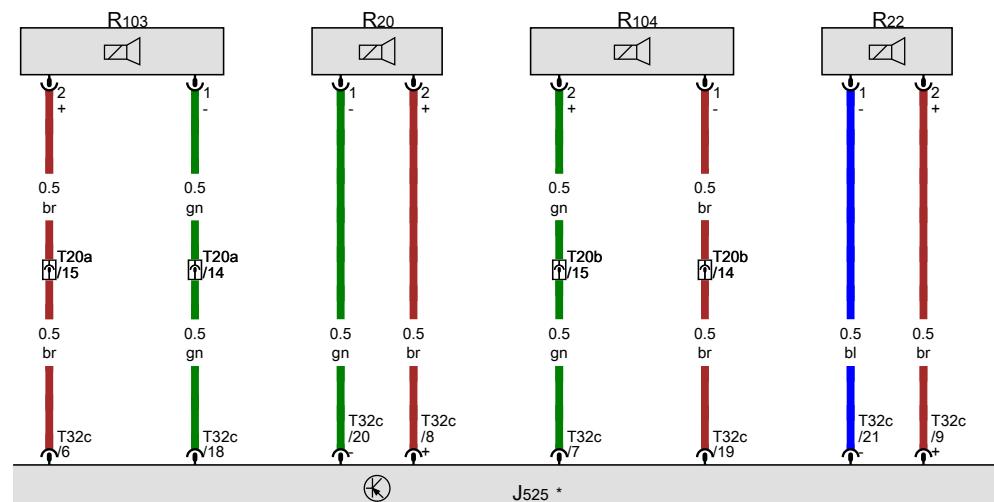
T32c 32-pin connector, black

* Only for vehicles with Bang & Olufsen sound system



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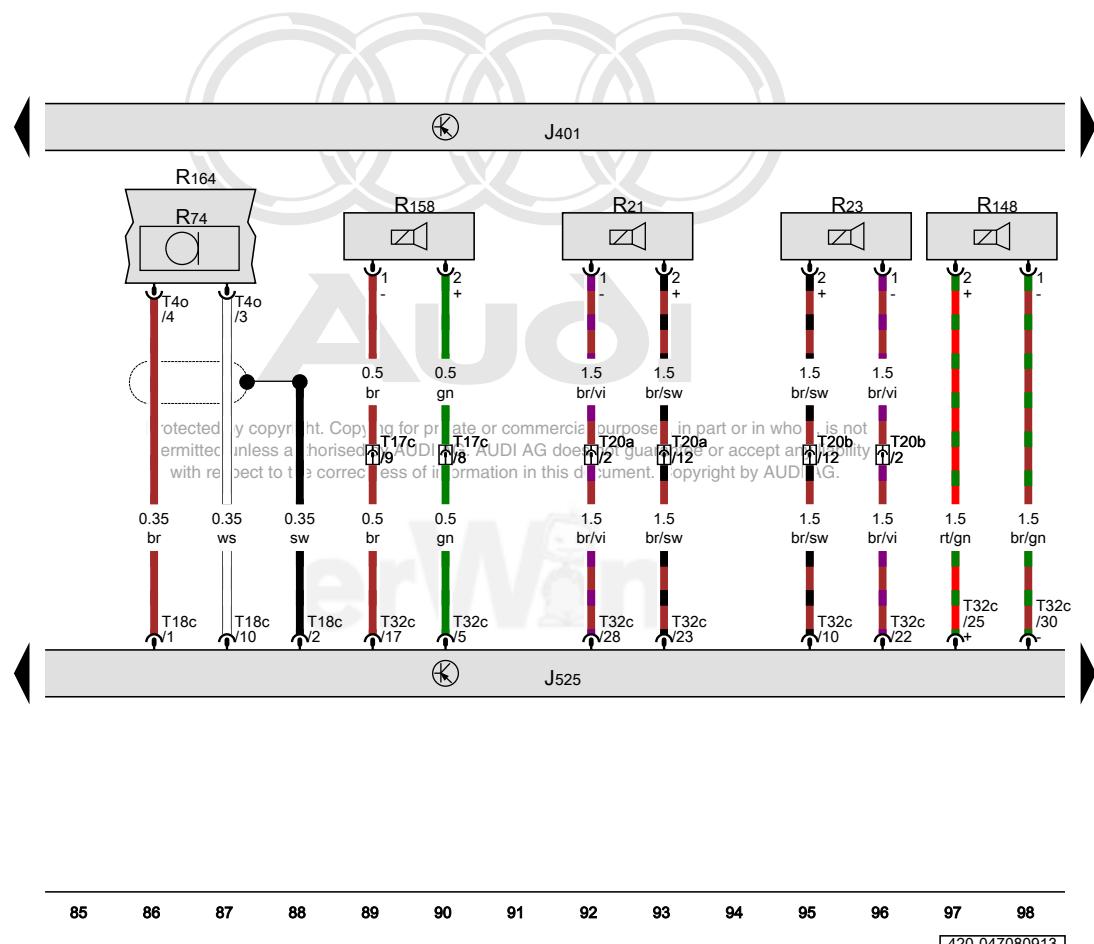
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| gr | = grey |
| li | = lilac |
| vi | = lilac |
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| or | = orange |
| rs | = pink |

Navigation system with CD drive control module, Digital sound system control module, Left front bass speaker, Right front bass speaker, Interior microphone, Speaker in center, Center mid-treble speaker, Microphone unit in front roof module

- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R21 Left front bass speaker
- R23 Right front bass speaker
- R74 Interior microphone
- R148 Speaker in center
- R158 Center mid-treble speaker
- R164 Microphone unit in front roof module
- T4o 4-pin connector
- T17c 17-pin connector, blue
- T18c 18-pin connector, black
- T20a 20-pin connector, in the left front door, black
- T20b 20-pin connector, in the right front door, black
- T32c 32-pin connector, black



Navigation system with CD drive control module, Digital sound system control module, Left rear treble speaker, Right rear treble speaker, Left rear mid-bass speaker, Right rear mid-bass speaker

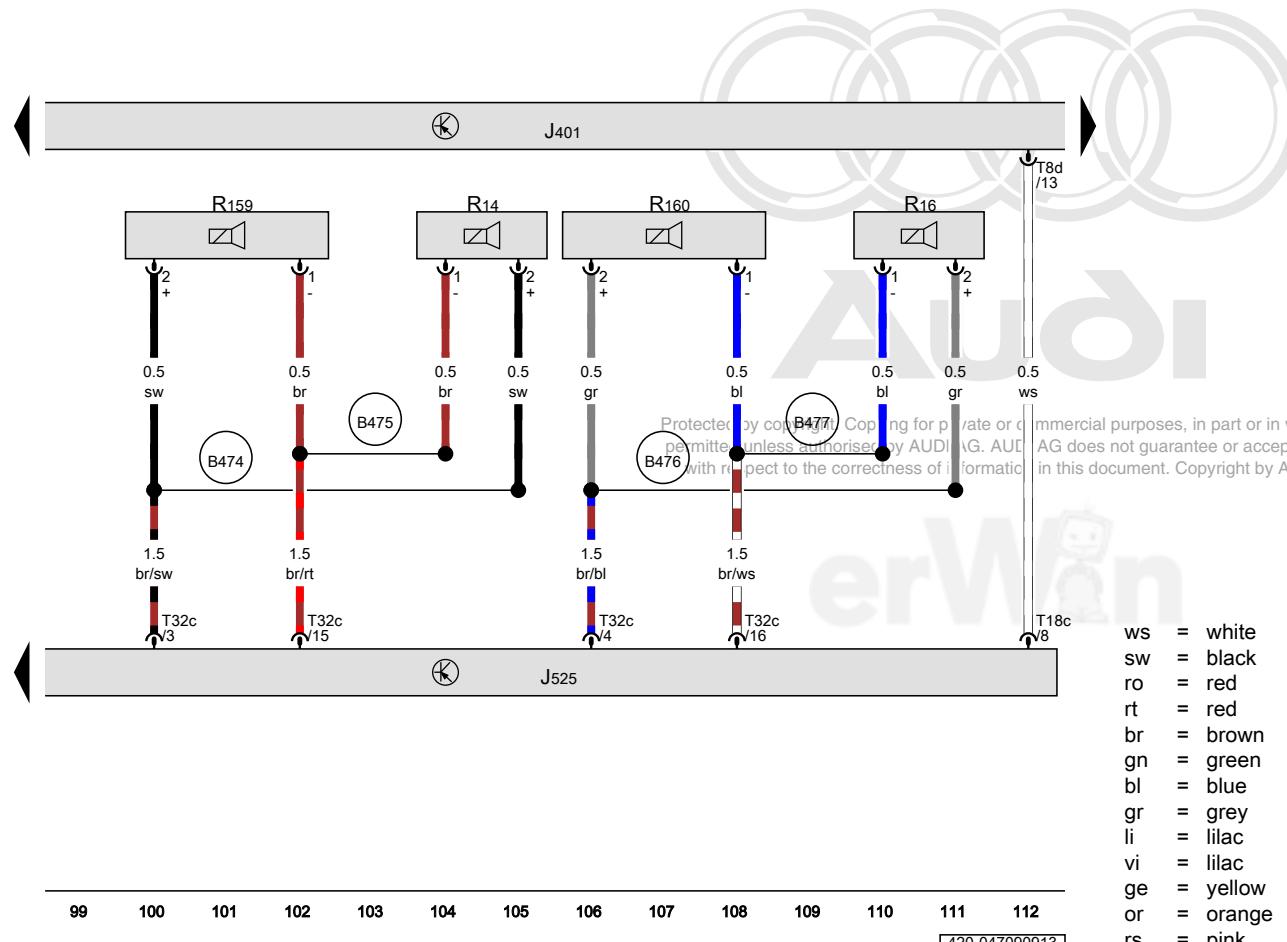
- J401 Navigation system with CD drive control module
- J525 Digital sound system control module
- R14 Left rear treble speaker
- R16 Right rear treble speaker
- R159 Left rear mid-bass speaker
- R160 Right rear mid-bass speaker
- T8d 8-pin connector, black
- T18c 18-pin connector, black
- T32c 32-pin connector, black

(B474) Connection 10 (in main wiring harness)

(B475) Connection 11 (in main wiring harness)

(B476) Connection 12 (in main wiring harness)

(B477) Connection 13 (in main wiring harness)



Navigation system with CD drive control module, CD changer

J401 Navigation system with CD drive control module

R41 CD changer

T12f 12-pin connector, black

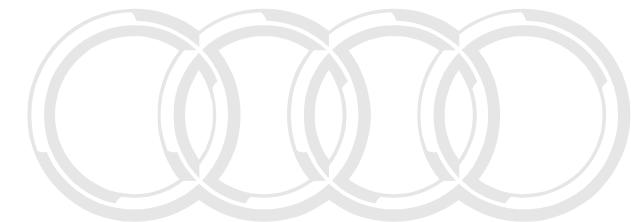
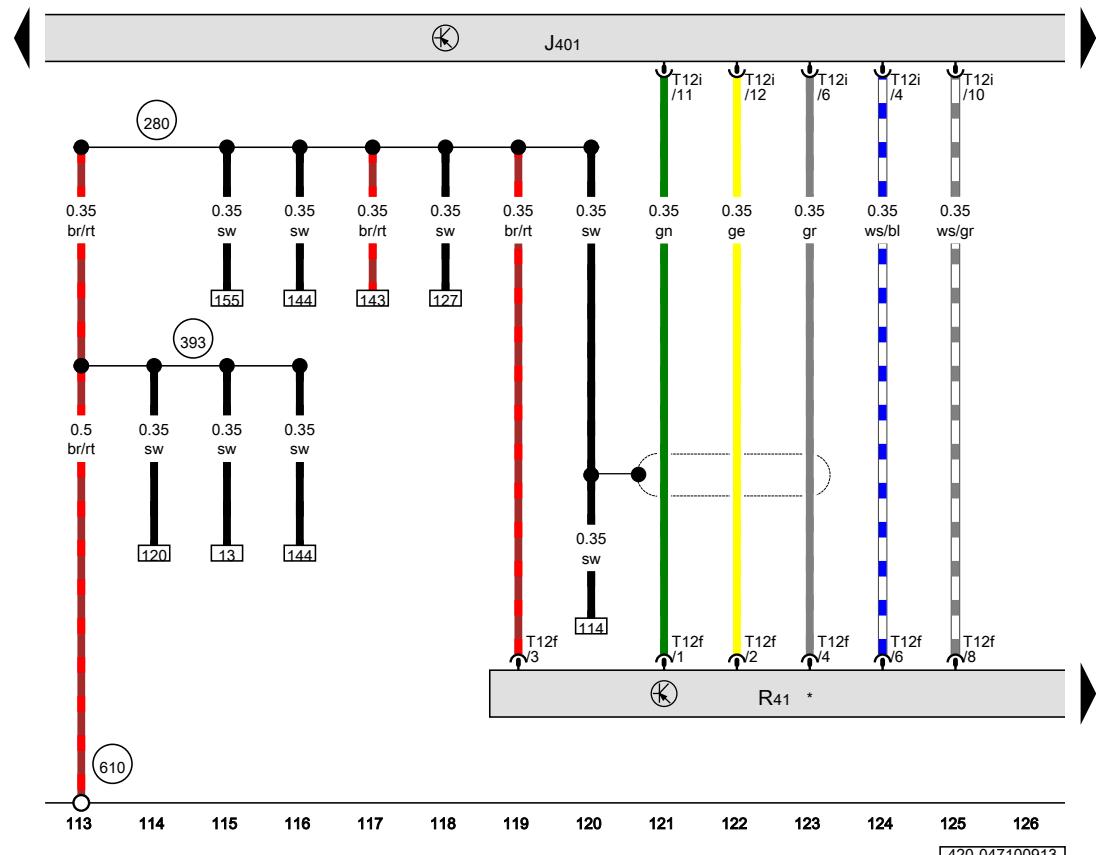
T12i 12-pin connector, black

(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

* Only for vehicles with CD changer



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



Navigation system with CD drive control module, CD changer, Satellite radio

J401 Navigation system with CD drive control module

R41 CD changer

R146 Satellite radio

T8e 8-pin connector, black

T8f 8-pin connector, black

T12f 12-pin connector, black

T12i 12-pin connector, black

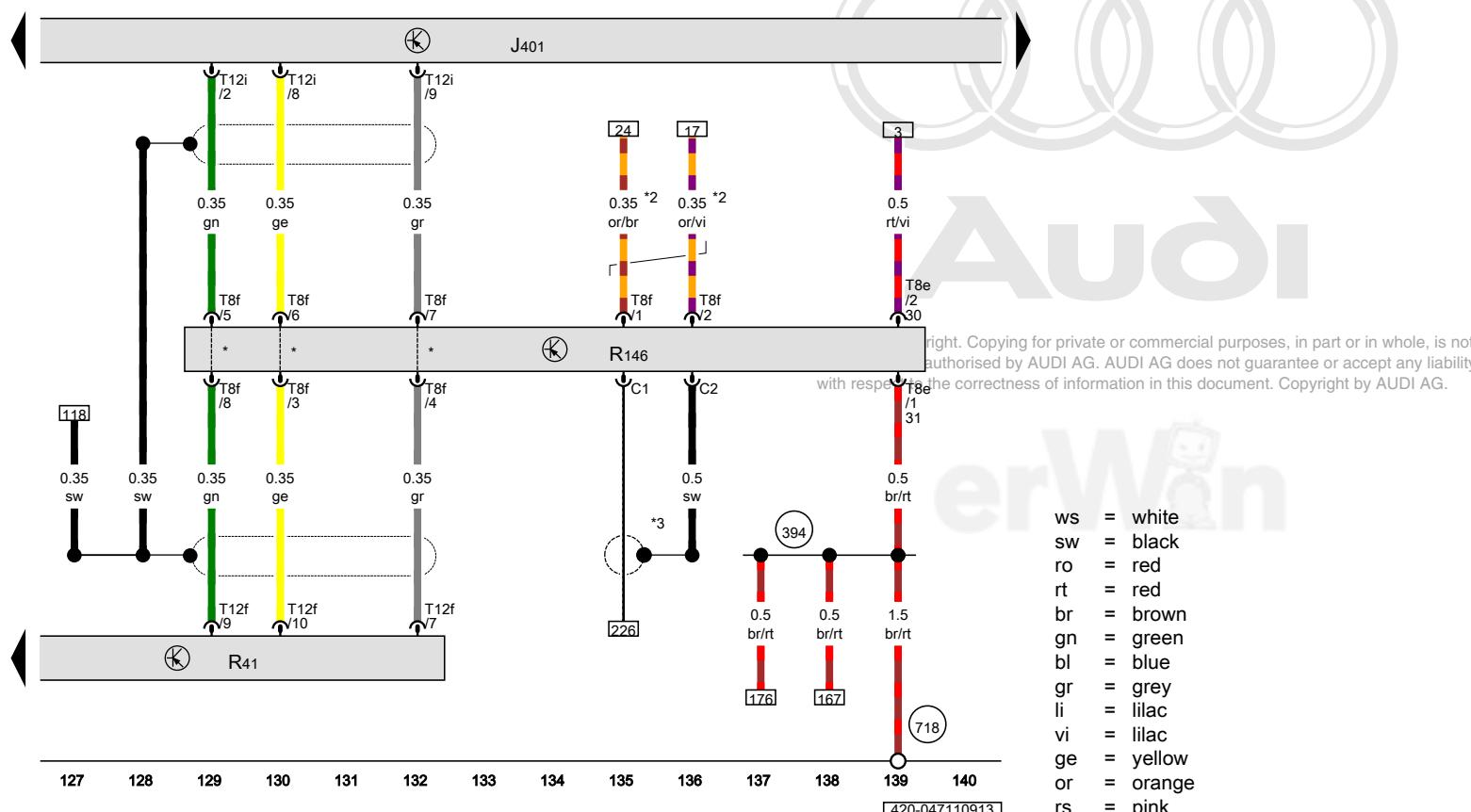
(394) Ground connection 29 (in main wiring harness)

(718) Audio ground connection under rear shelf

* Only for vehicles without satellite radio

*2 Data bus wire (CAN bus)

*3 Only for vehicles with CD changer



Navigation system with CD drive control module, iPod baseplate

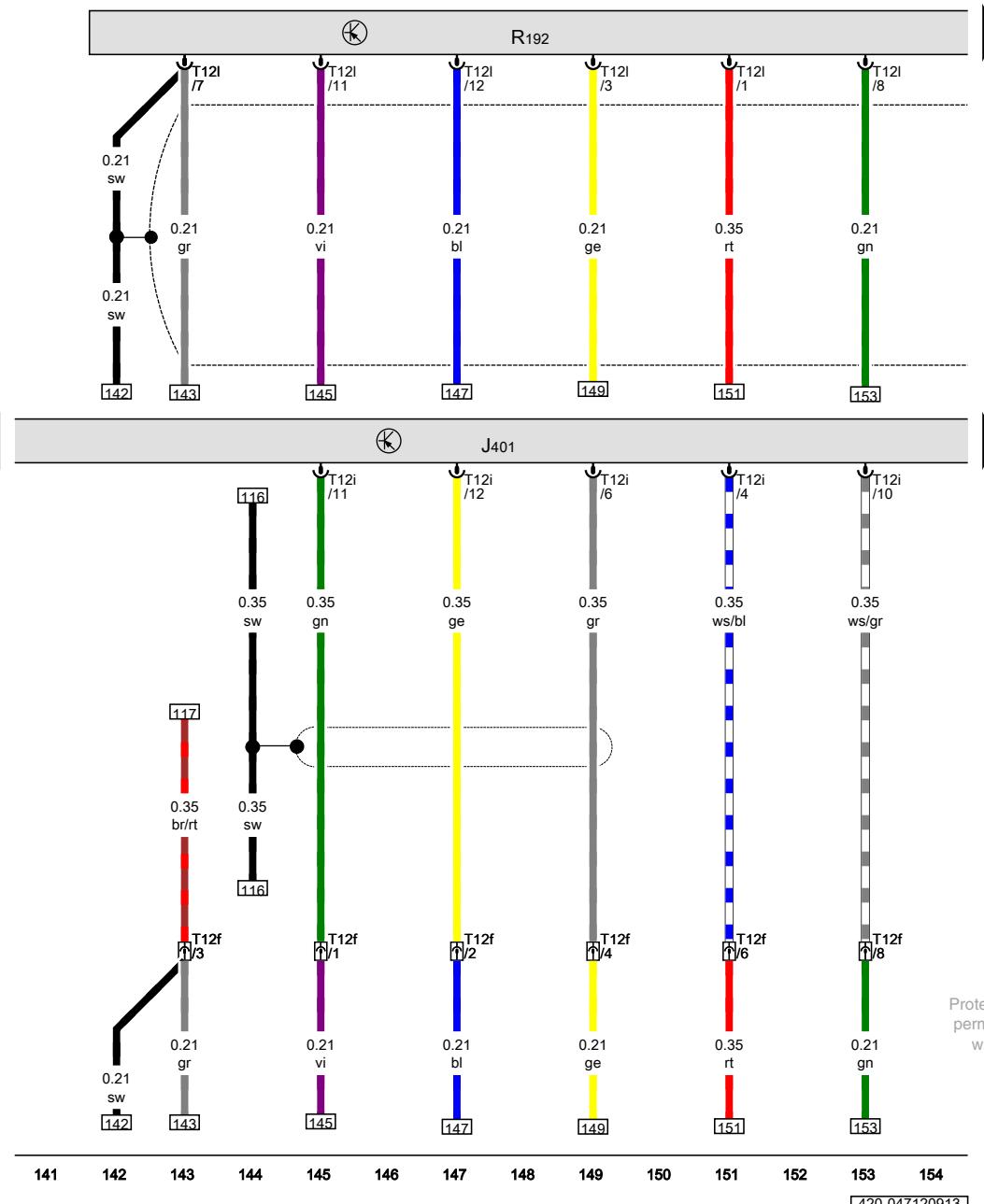
J401 Navigation system with CD drive control module

R192 iPod baseplate

T12f 12-pin connector, in the rear center console, black

T12i 12-pin connector, black

T12l 12-pin connector



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Navigation system with CD drive control module, Satellite radio, iPod baseplate

J401 Navigation system with CD drive control module

R146 Satellite radio

R192 iPod baseplate

T8e 8-pin connector, black

T8f 8-pin connector, black

T12f 12-pin connector, in the rear center console, black

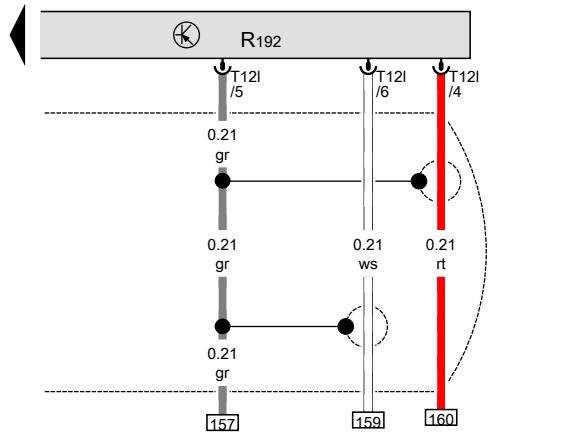
T12i 12-pin connector, black

T12l 12-pin connector

* Only for vehicles without satellite radio

*2 Data bus wire (CAN bus)

*3 Only for vehicles with iPod bracket



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- br = brown
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- 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

Navigation system with CD drive control module, Satellite radio

J401 Navigation system with CD drive control module

R146 Satellite radio

T8e 8-pin connector, black

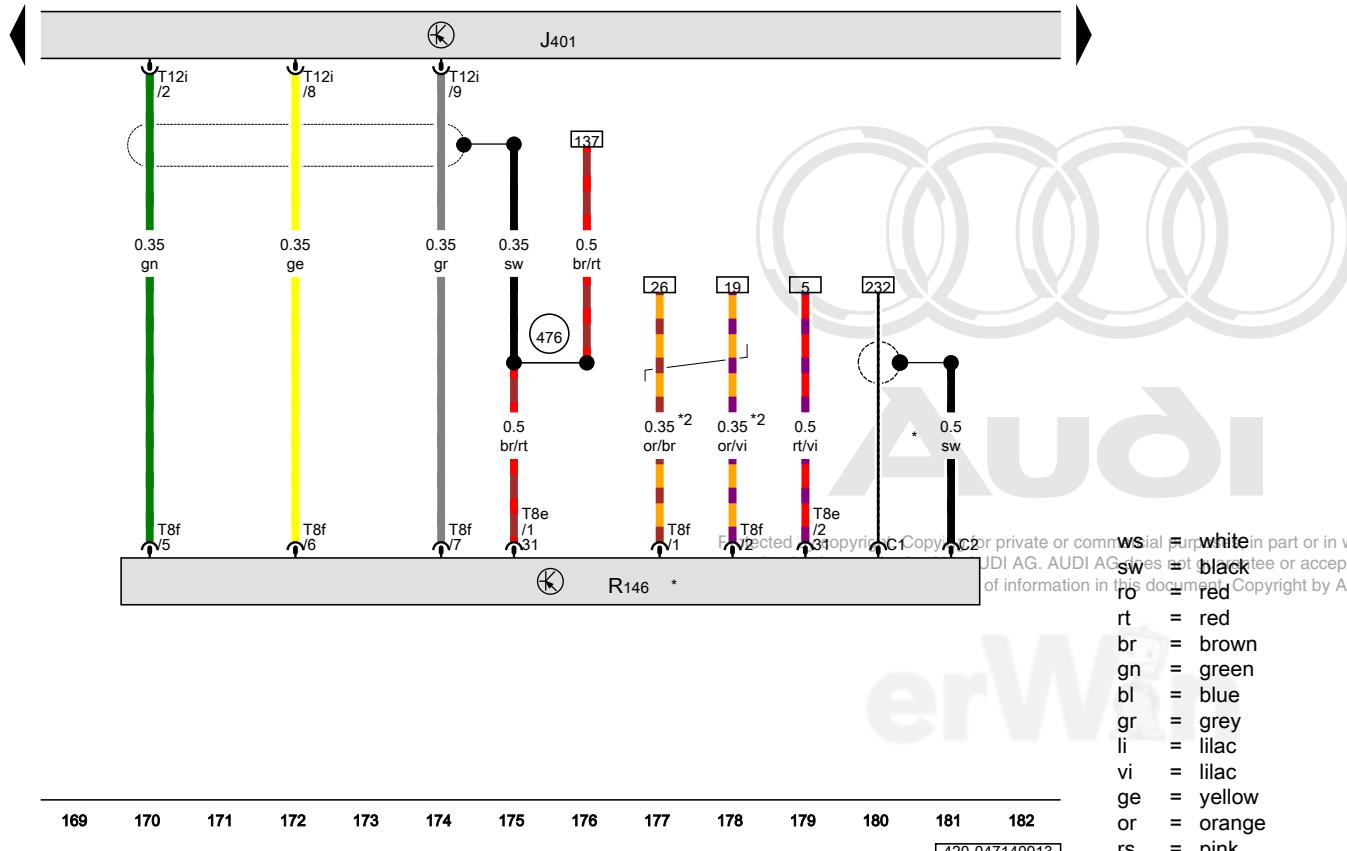
T8f 8-pin connector, black

T12i 12-pin connector, black

(476) Ground connection (in audio wiring harness)

* Only for vehicles without a CD changer or bracket for iPod/USB connection

*2 Data bus wire (CAN bus)



Navigation system with CD drive control module

J401 Navigation system with CD drive control module

R199 External audio source connection

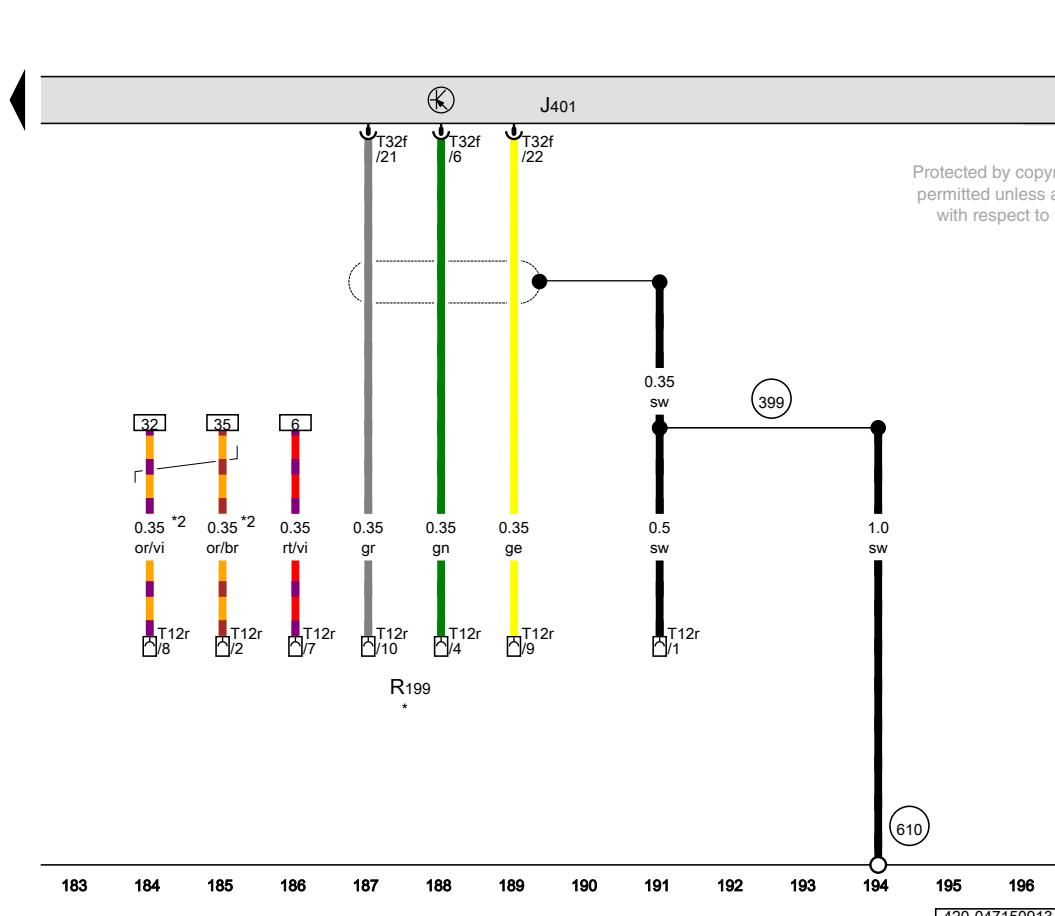
T12r 12-pin connector, under the rear shelf, black

T32f 32-pin connector, gray

(399) Ground connection 34 (in main wiring harness)

(610) Audio ground connection under front center console

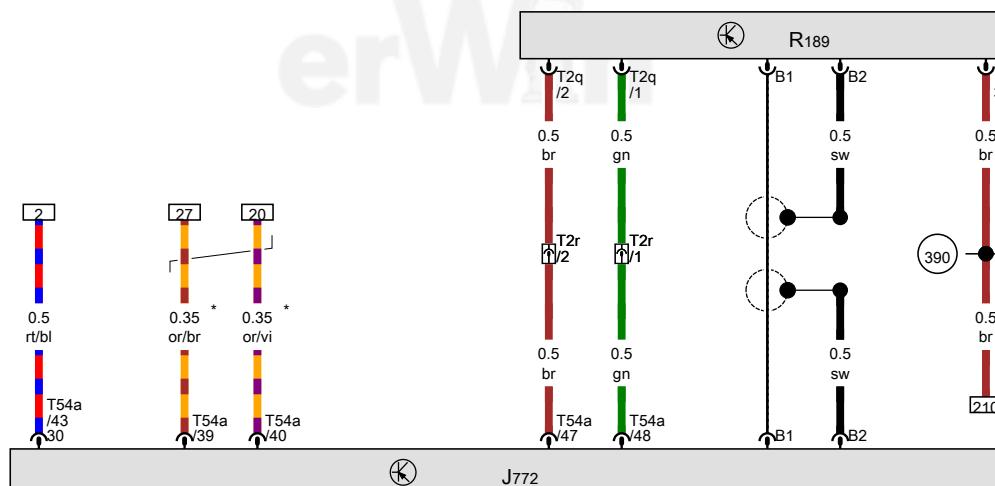
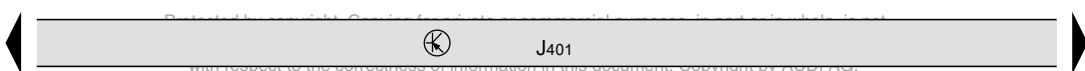
* Only for vehicles with external audio source connection - Audi music interface
 *² Data bus wire (CAN bus)



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



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Navigation system with CD drive control module, Rearview camera system control module, Rearview camera

J401 Navigation system with CD drive control module

J772 Rearview camera system control module

R189 Rearview camera

T2q Double connector, brown

T2r Double connector, on the left B-pillar, black

T54a 54-pin connector, black

65 Ground connection on left rear longitudinal member

379 Ground connection 14 (in main wiring harness)

388 Ground connection 23 (in main wiring harness)

390 Ground connection 25 (in main wiring harness)

712 Ground connection under rear shelf, left

* Data bus wire (CAN bus)

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| ro | = red |
| rt | = red |
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| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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

1470-0471609131

Navigation system with CD drive control module, Rearview camera system control module

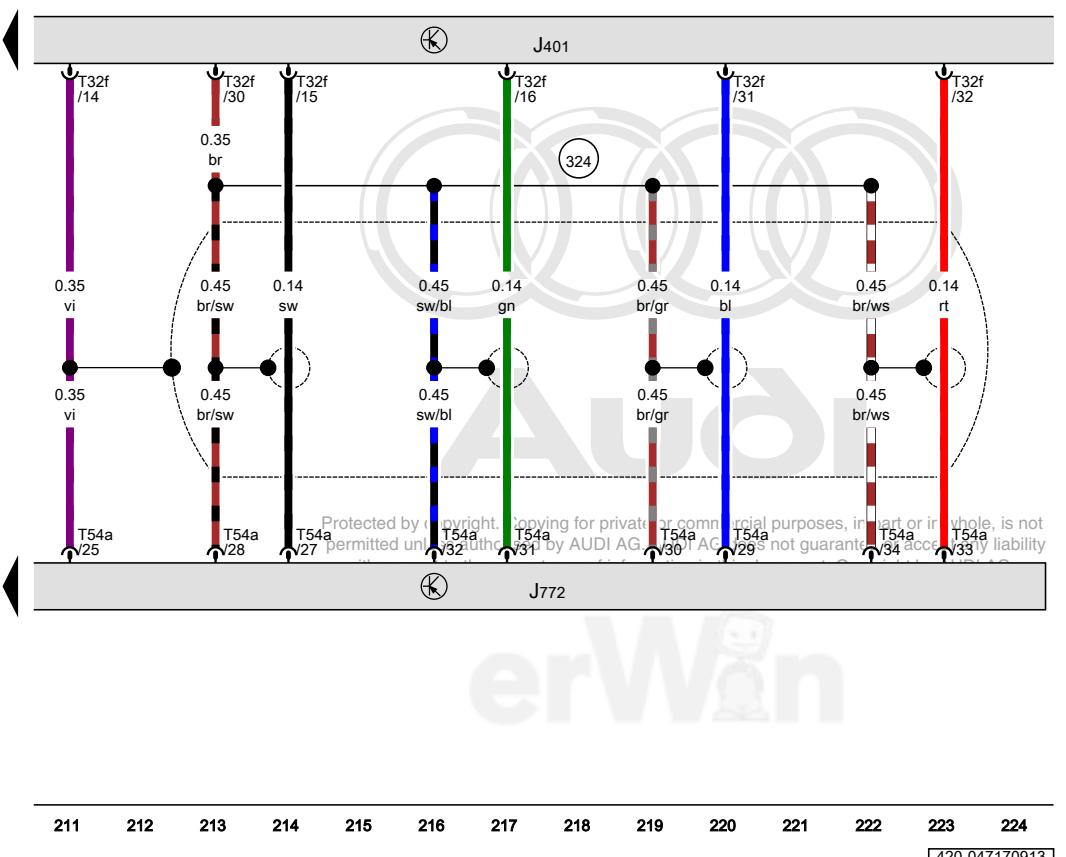
J401 Navigation system with CD drive control module

J772 Rearview camera system control module

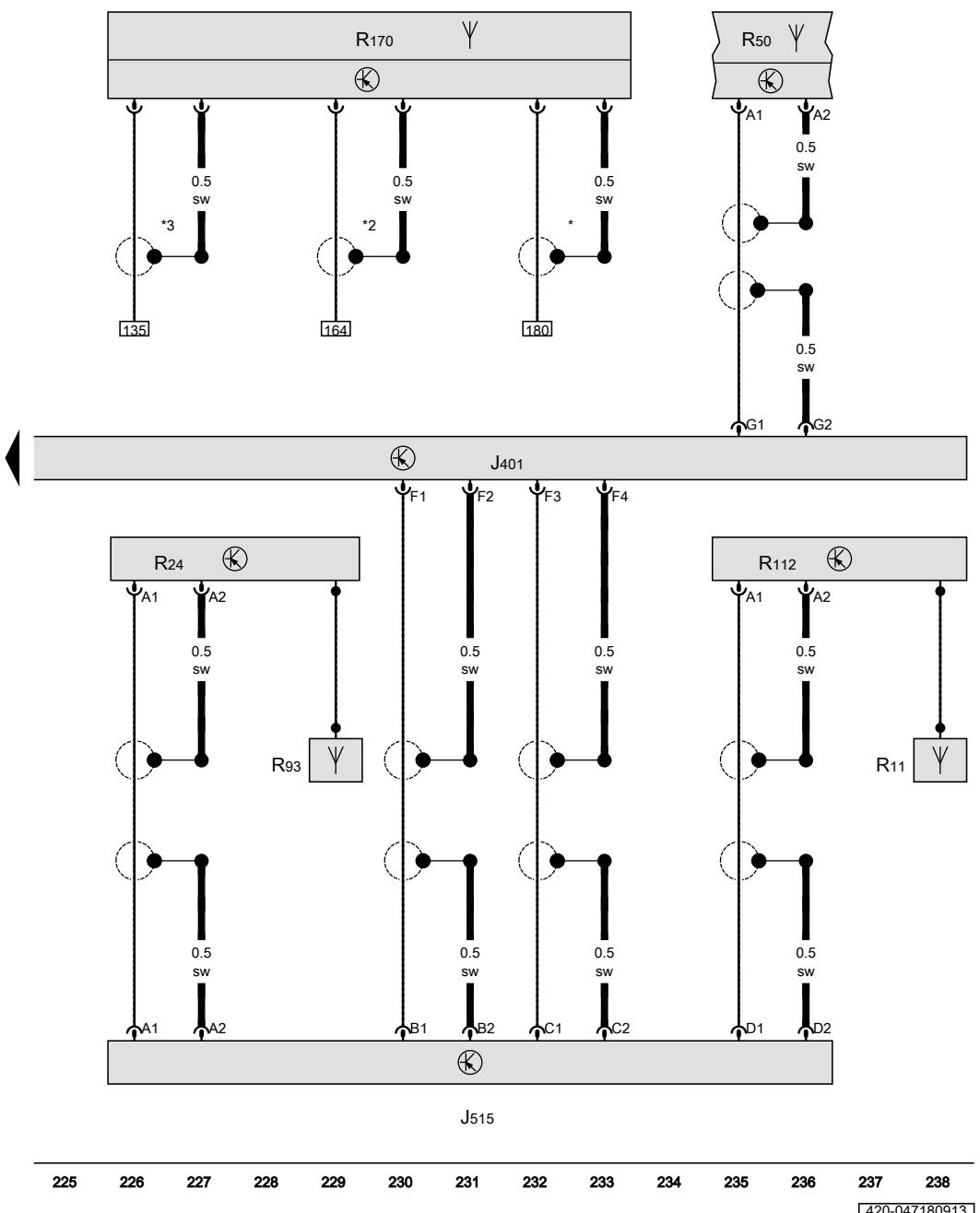
T32f 32-pin connector, gray

T54a 54-pin connector, black

324 Navigation shielding 1 ground connection (in communication wiring harness)



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



Navigation system with CD drive control module, Antenna selection control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 3, Satellite antenna

- J401 Navigation system with CD drive control module
- J515 Antenna selection control module
- R11 Antenna
- R24 Antenna amplifier
- R50 GPS antenna, in the instrument panel, center
- R93 Radio antenna 2
- R112 Antenna amplifier 3
- R170 Satellite antenna, in the rear lid
- * Only for vehicles without a CD changer or bracket for iPod/USB connection
- *2 Only for vehicles with iPod bracket
- *3 Only for vehicles with CD changer



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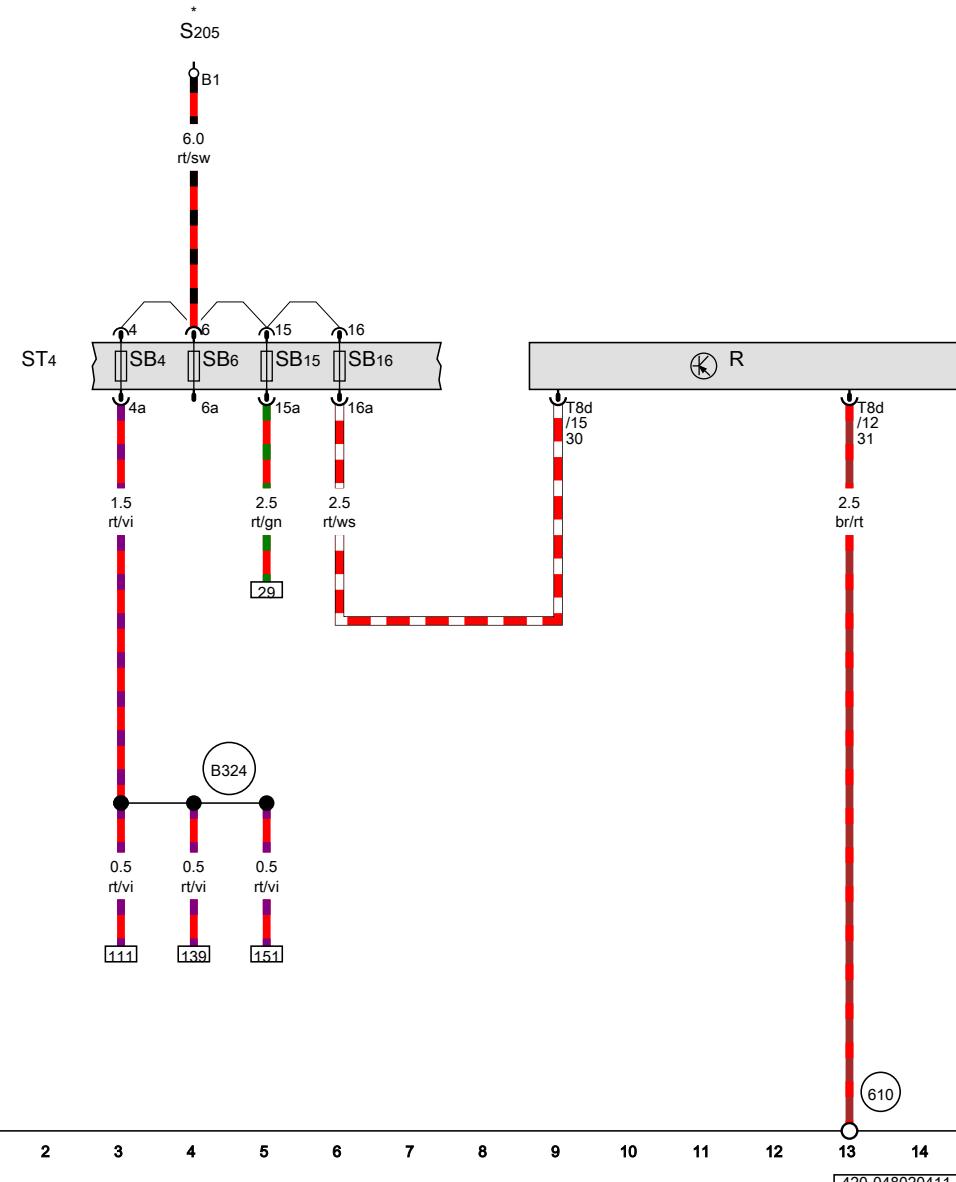
Radio with Bang & Olufsen Sound System with satellite radio

From June 2009



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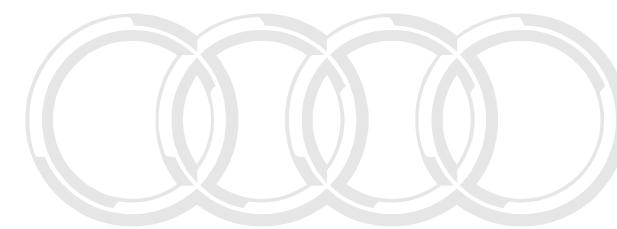
Radio

R Radio
 SB4 Fuse 4 (on fuse panel B)
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB15 Fuse 15 (on fuse panel B)
 SB16 Fuse 16 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T8d 8-pin connector

(610) Audio ground connection under front center console

(B324) Positive connection 10 (30a) (in main wiring harness)

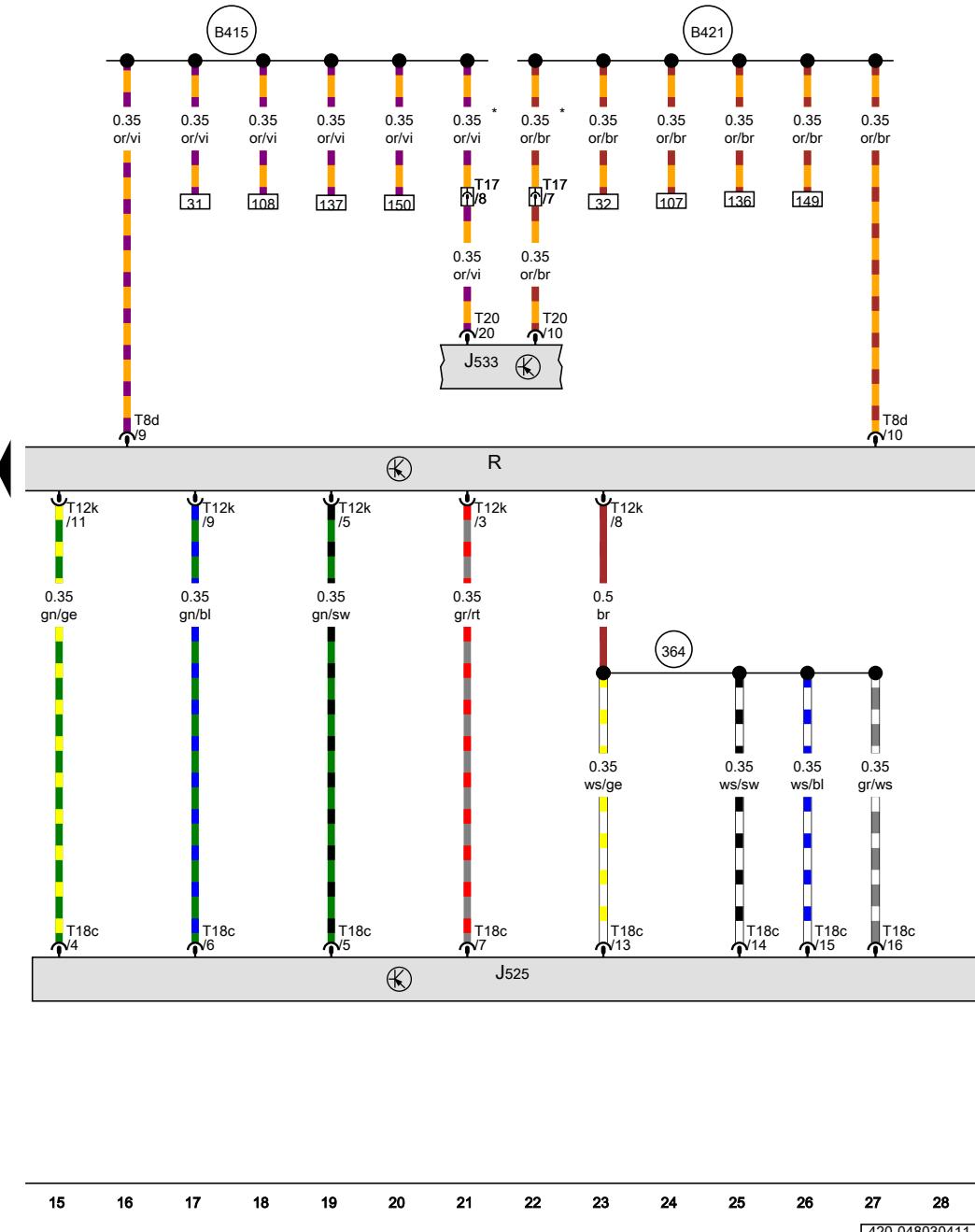
* Main distribution in the right front footwell



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

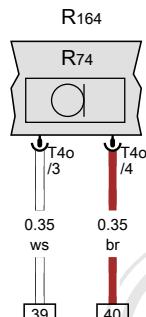
- J525 Digital sound system control module
- J533 Data bus on board diagnostic interface
- R Radio
- T8d 8-pin connector
- T12k 12-pin connector
- T17 17-pin connector, Inside the center console connector station on the right side
- T18c 18-pin connector
- T20 20-pin connector
- (364) Low frequency ground connection 1 (in instrument panel wiring harness)
- (B415) Infotainment CAN Bus high connection 1 (in main wiring harness)
- (B421) Infotainment CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)

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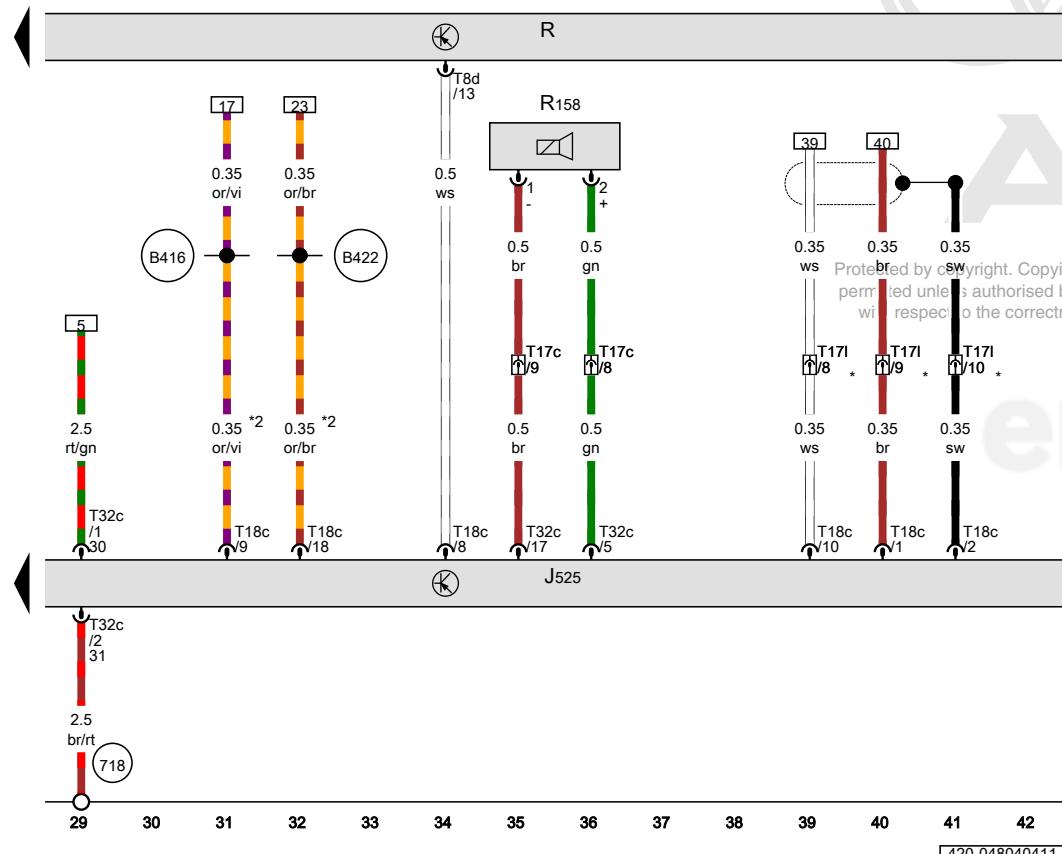
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gn = green
bl = blue
gr = grey
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or = orange
rs = pink

Digital sound system control module, Radio, Interior microphone, Center mid-treble speaker, Microphone unit in front roof module



- J525 Digital sound system control module
- R Radio
- R74 Interior microphone
- R158 Center mid-treble speaker
- R164 Microphone unit in front roof module
- T4o 4-pin connector
- T8d 8-pin connector
- T17c 17-pin connector, Inside the center console connector station on the right side
- T17I 17-pin connector, on the left A-pillar
- T18c 18-pin connector
- T32c 32-pin connector
- 718 Audio ground connection under rear shelf
- B416 Infotainment CAN Bus high connection 2 (in main wiring harness)
- B422 Infotainment CAN bus low connection 2 (in main wiring harness)

* Depending on equipment
*2 Data bus wire (CAN bus)

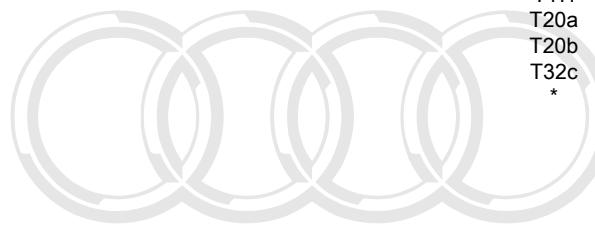


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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

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

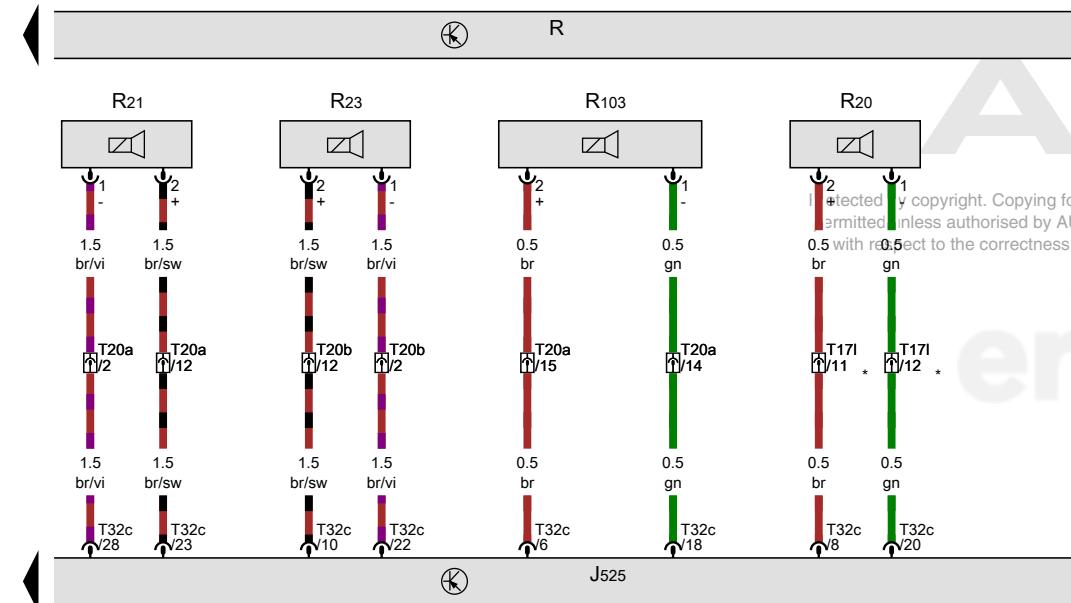
- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R21 Left front bass speaker
- R23 Right front bass speaker
- R103 Left front midrange speaker
- T17I 17-pin connector, on the left A-pillar
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T32c 32-pin connector
- * Depending on equipment



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

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

1420-0480504111

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

J525 Digital sound system control module

R Radio

R14 Left rear treble speaker

R22 Right front treble speaker

R104 Right front midrange speaker

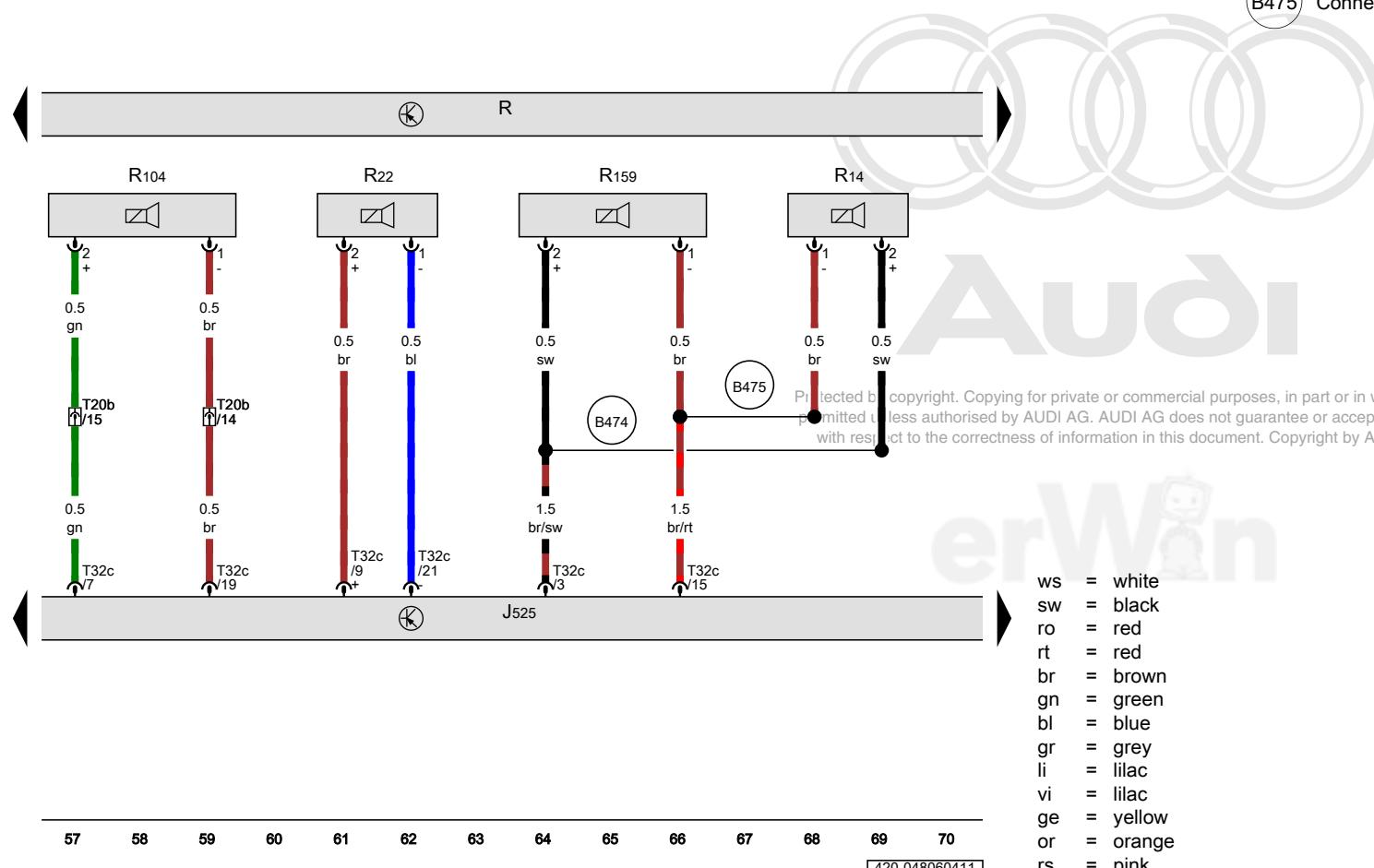
R159 Left rear mid-bass speaker

T20b 20-pin connector, in the right front door

T32c 32-pin connector

(B474) Connection 10 (in main wiring harness)

(B475) Connection 11 (in main wiring harness)



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

Digital sound system control module, Radio, Right rear treble speaker, Speaker in center, Right rear mid-bass speaker

J525 Digital sound system control module

R Radio

R16 Right rear treble speaker

R36 Telephone transceiver

R148 Speaker in center

R160 Right rear mid-bass speaker

T12k 12-pin connector

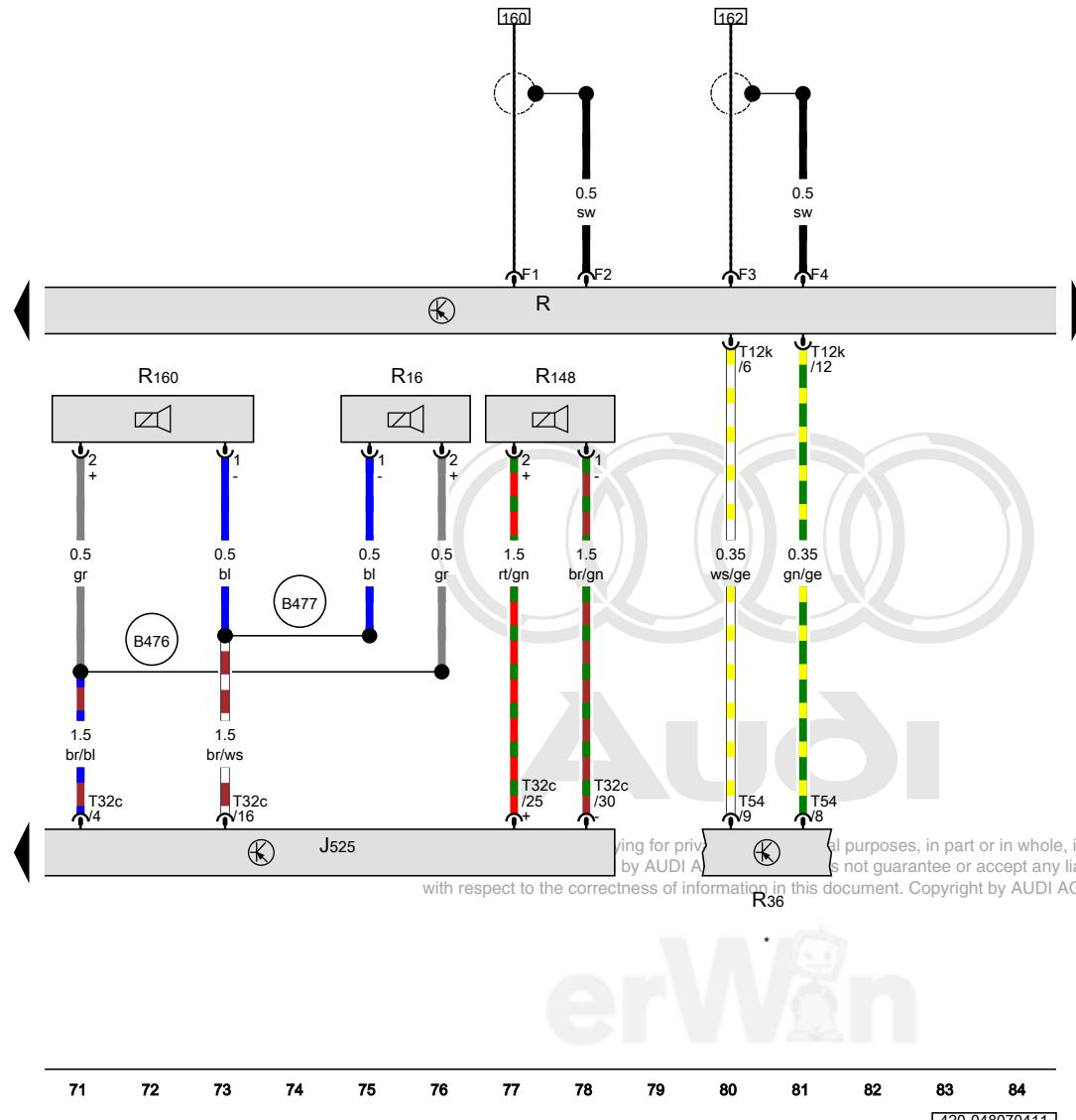
T32c 32-pin connector

T54 54-pin connector

(B476) Connection 12 (in main wiring harness)

(B477) Connection 13 (in main wiring harness)

* Only for vehicles with cell phone preparation



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| br | = brown |
| gn | = green |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

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F420-0480704111

Radio, CD changer

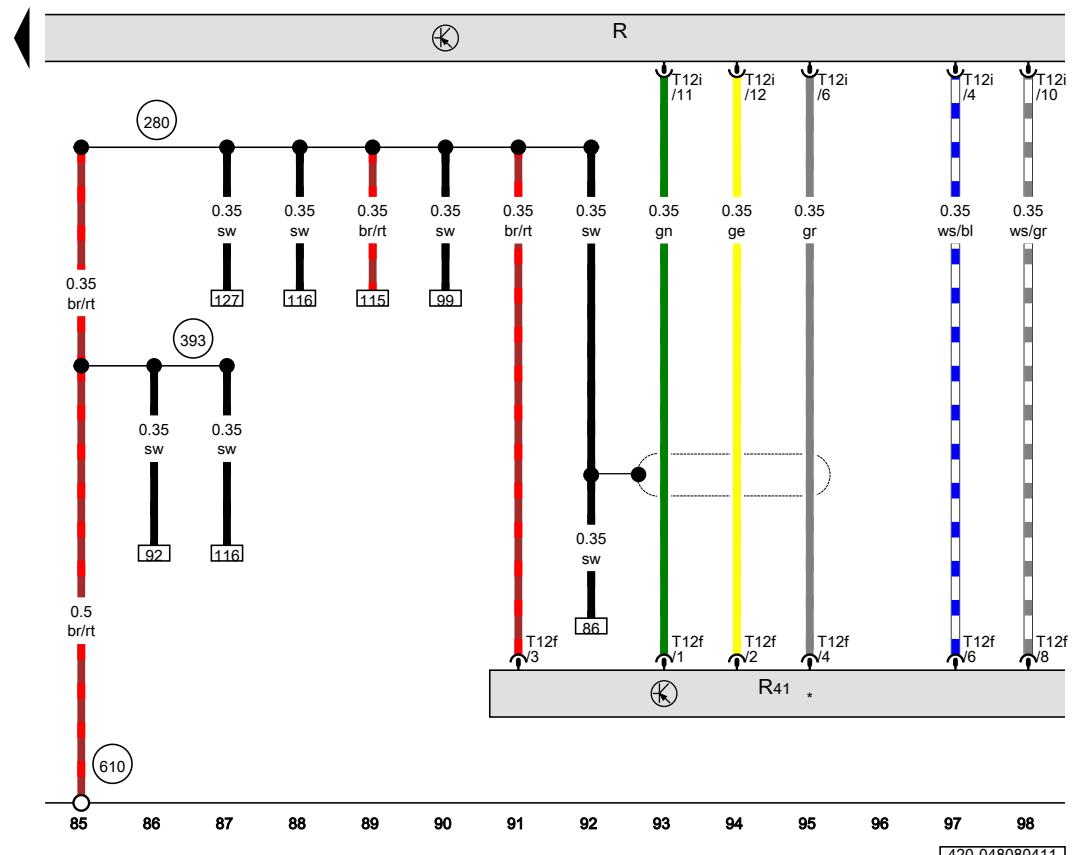
R Radio
R41 CD changer
T12f 12-pin connector
T12i 12-pin connector

(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

* Only for vehicles with CD changer



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w = white

sw = black

ro = red

rt = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

vi = lilac

ge = yellow

or = orange

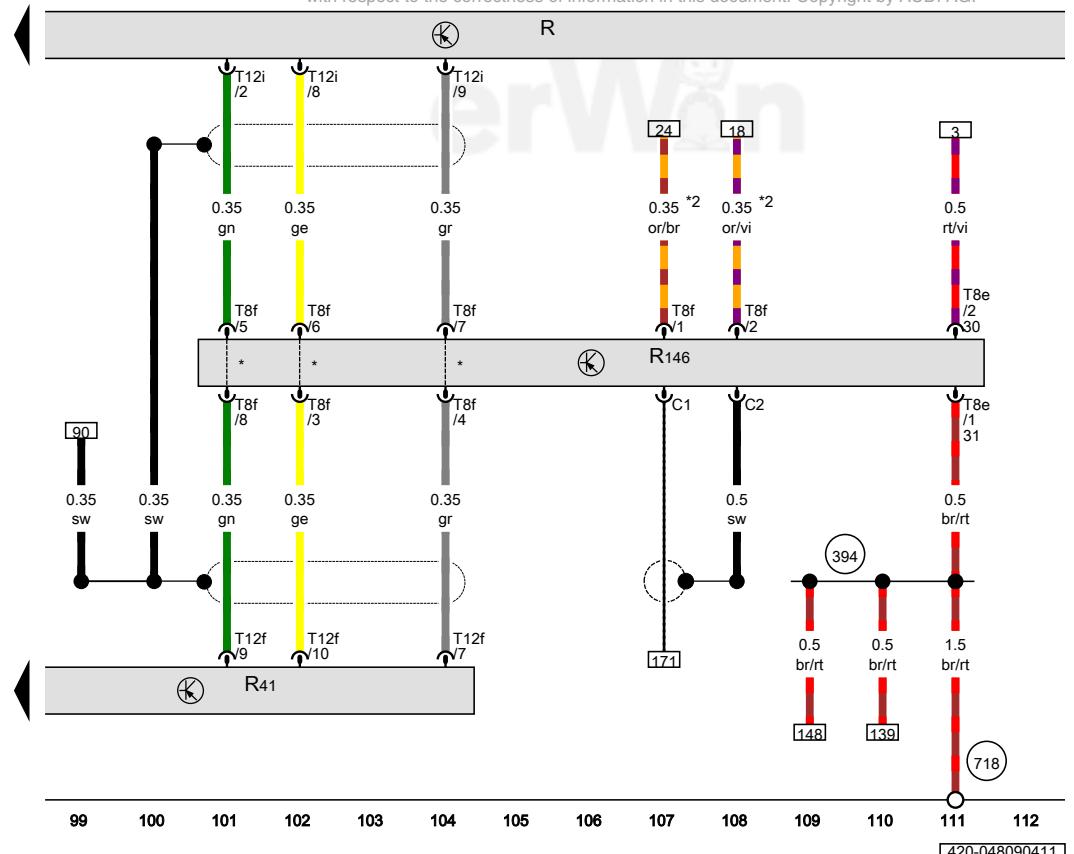
rs = pink

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Radio, CD changer, Satellite radio

- R Radio
- R41 CD changer
- R146 Satellite radio
- T8e 8-pin connector
- T8f 8-pin connector
- T12f 12-pin connector
- T12i 12-pin connector

(394) Ground connection 29 (in main wiring harness)

(718) Audio ground connection under rear shelf

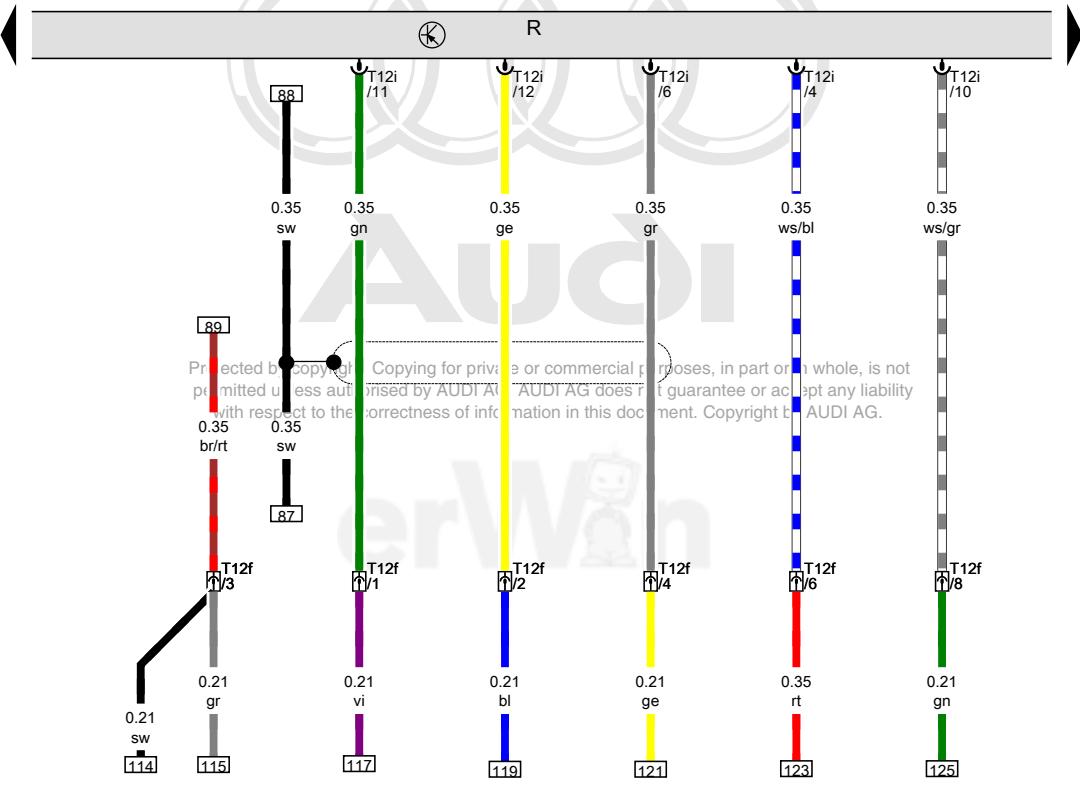
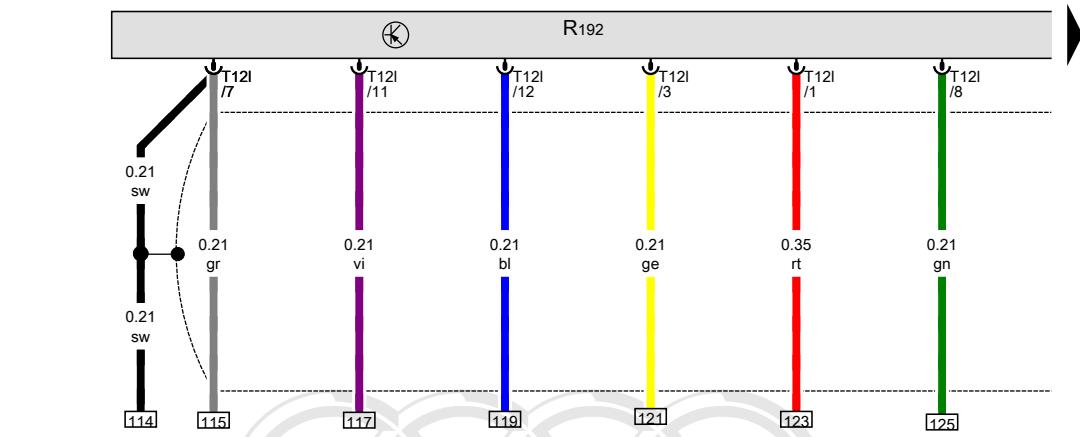
* Only for vehicles without satellite radio

*2 Data bus wire (CAN bus)

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| ws | = white |
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| ro | = red |
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| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Radio

R Radio
 R192 iPod baseplate
 T12f 12-pin connector, in the rear center console
 T12i 12-pin connector
 T12l 12-pin connector
 * Only for vehicles with iPod bracket

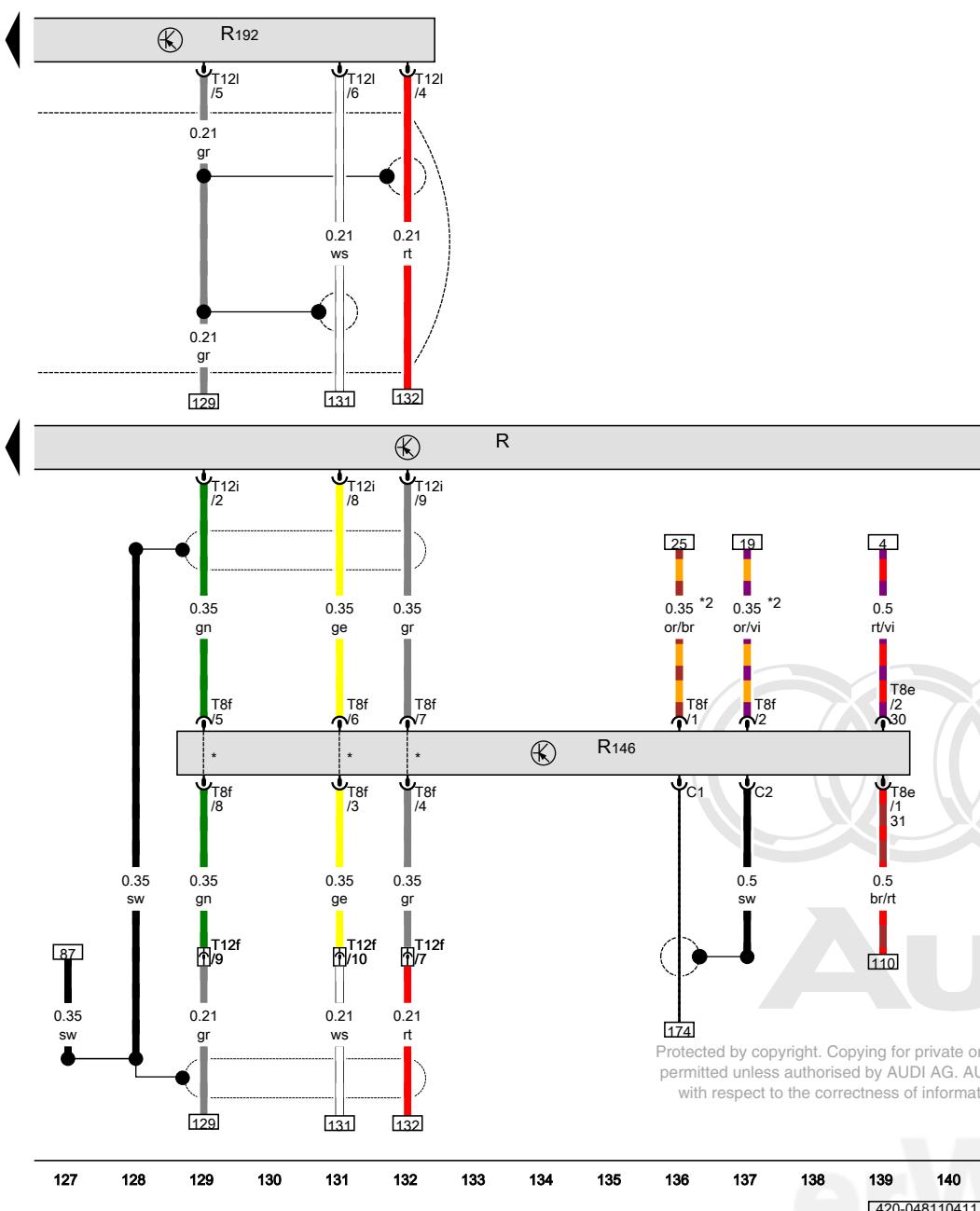


ws = white
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 li = lilac
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113 114 115 116 117 118 119 120 121 122 123 124 125 126

F470-04810004111

Radio, Satellite radio



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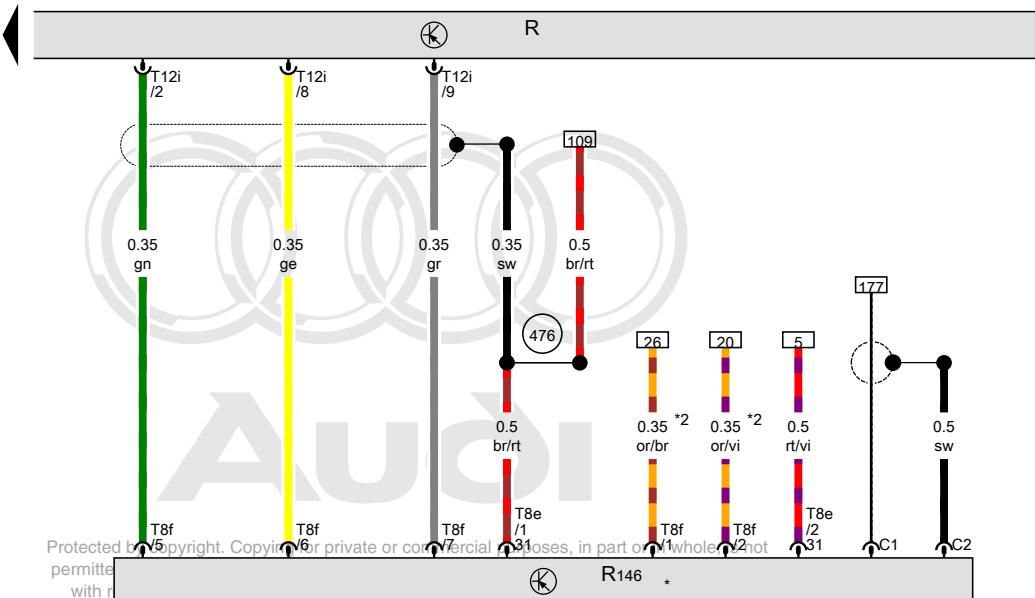
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| or | = orange |
| rs | = pink |

Radio, Satellite radio

R Radio
 R146 Satellite radio
 T8e 8-pin connector
 T8f 8-pin connector
 T12i 12-pin connector

476 Ground connection (in audio wiring harness)

- * Only for vehicles without a CD changer or bracket for iPod/USB connection
- *2 Data bus wire (CAN bus)

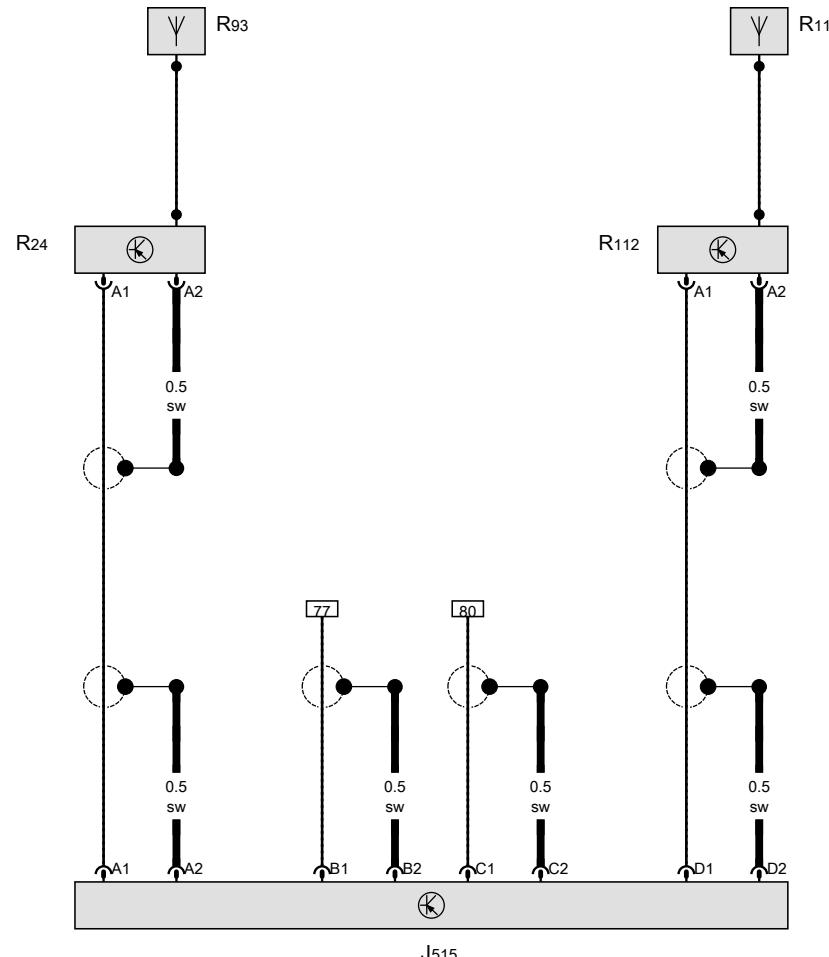


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| rs | = pink |

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

Antenna selection control module, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3

J515 Antenna selection control module
R11 Antenna
R24 Antenna amplifier
R93 Radio antenna 2
R112 Antenna amplifier 3



155 156 157 158 159 160 161 162 163 164 165 166 167 168

1470-0481304111

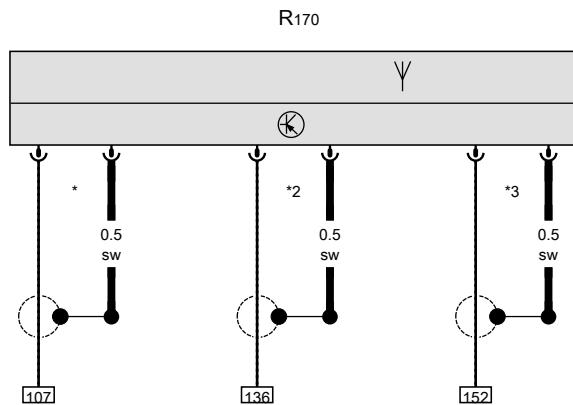
ws = white
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**Satellite antenna**

R170 Satellite antenna, in the rear lid

* Only for vehicles with CD changer

*2 Only for vehicles with iPod bracket

*3 Only for vehicles without a CD changer or bracket for iPod/USB connection



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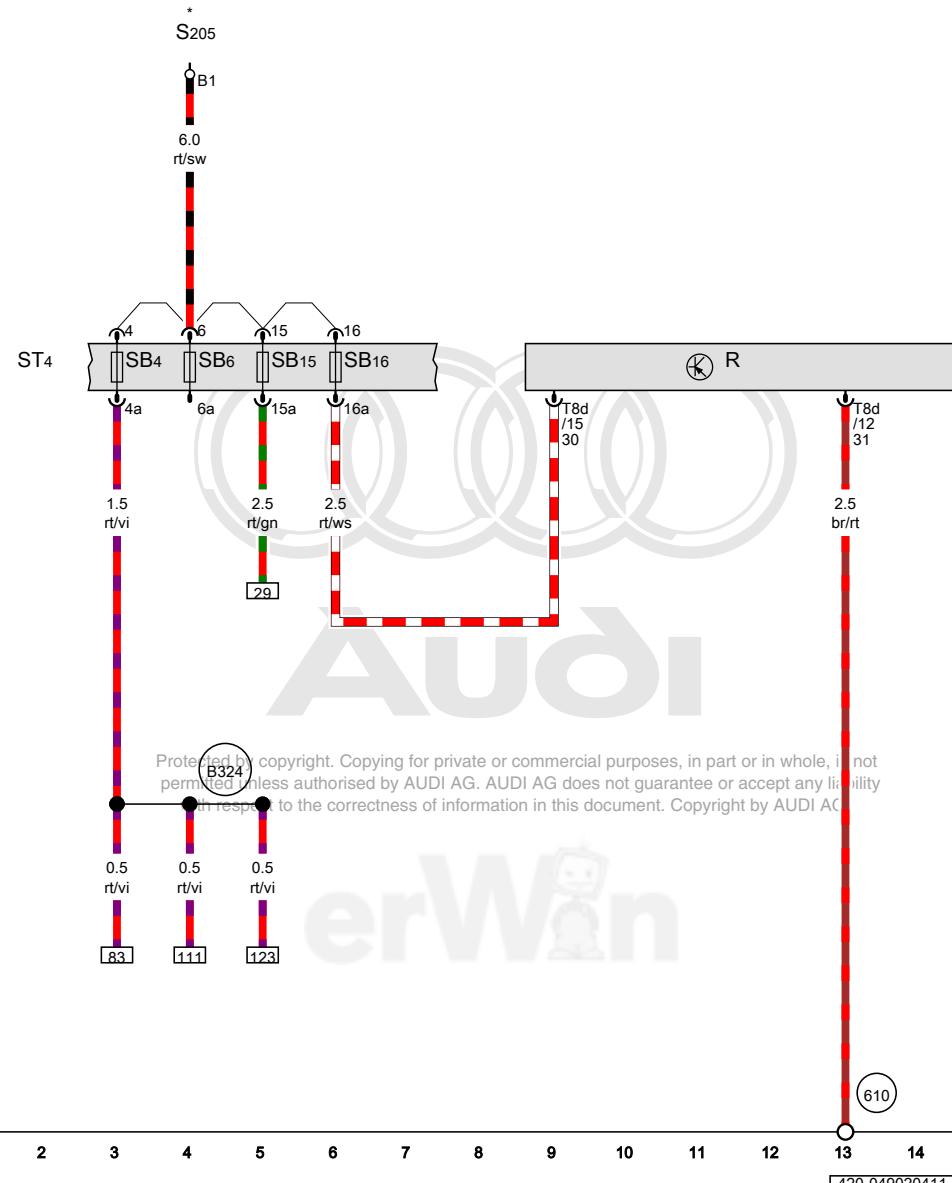
Radio with Standard Sound System with satellite radio

From June 2009



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The erWin logo, featuring the brand name in a stylized font with a small robot icon integrated into the letter "e".



Radio

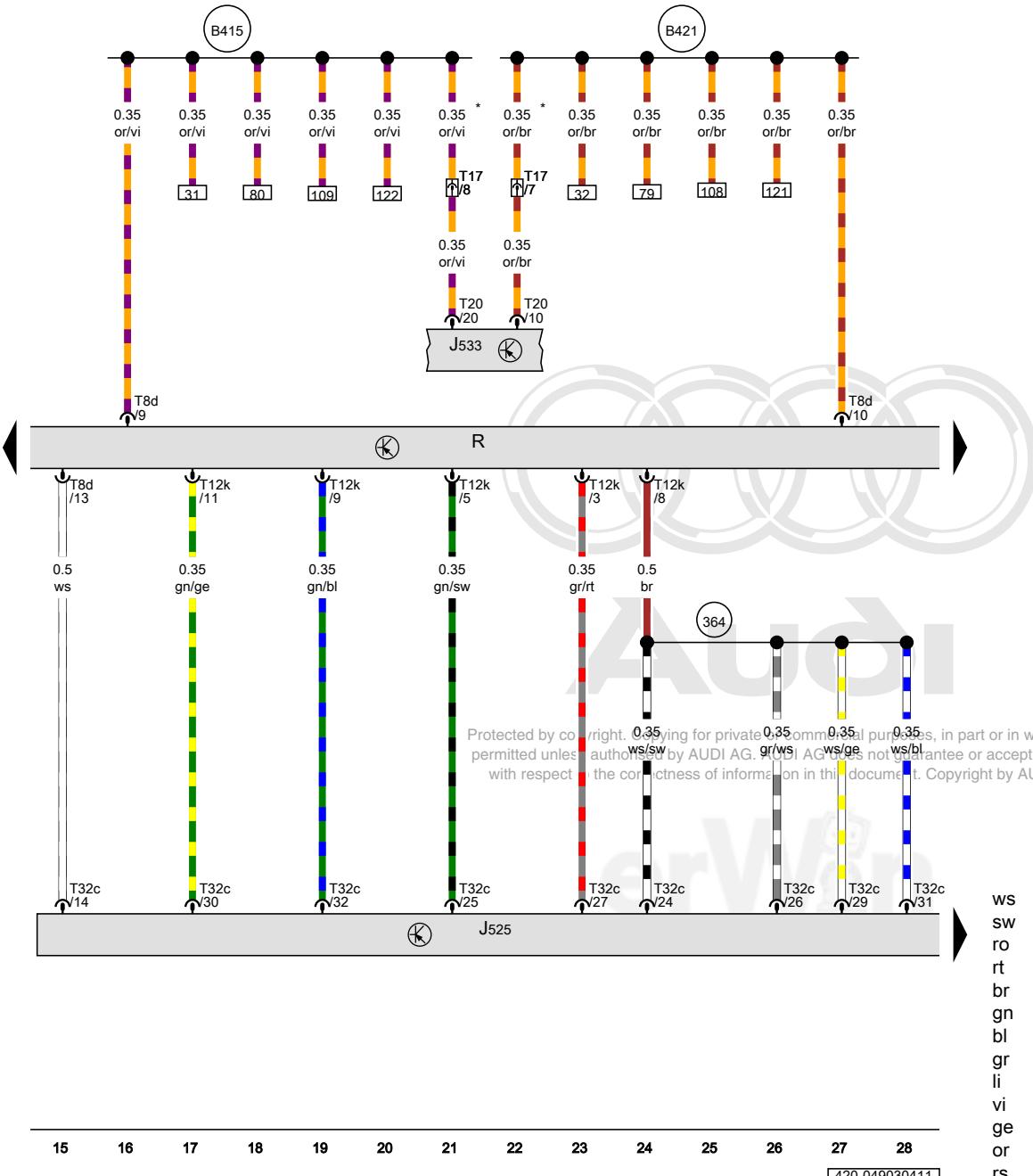
R Radio
 SB4 Fuse 4 (on fuse panel B)
 ST4 Fuse panel 4
 SB6 Fuse 6 (on fuse panel B)
 SB15 Fuse 15 (on fuse panel B)
 SB16 Fuse 16 (on fuse panel B)
 S205 Fuse 2 (terminal 30)
 T8d 8-pin connector

610 Audio ground connection under front center console

B324 Positive connection 10 (30a) (in main wiring harness)

* Main distribution in the right front footwell

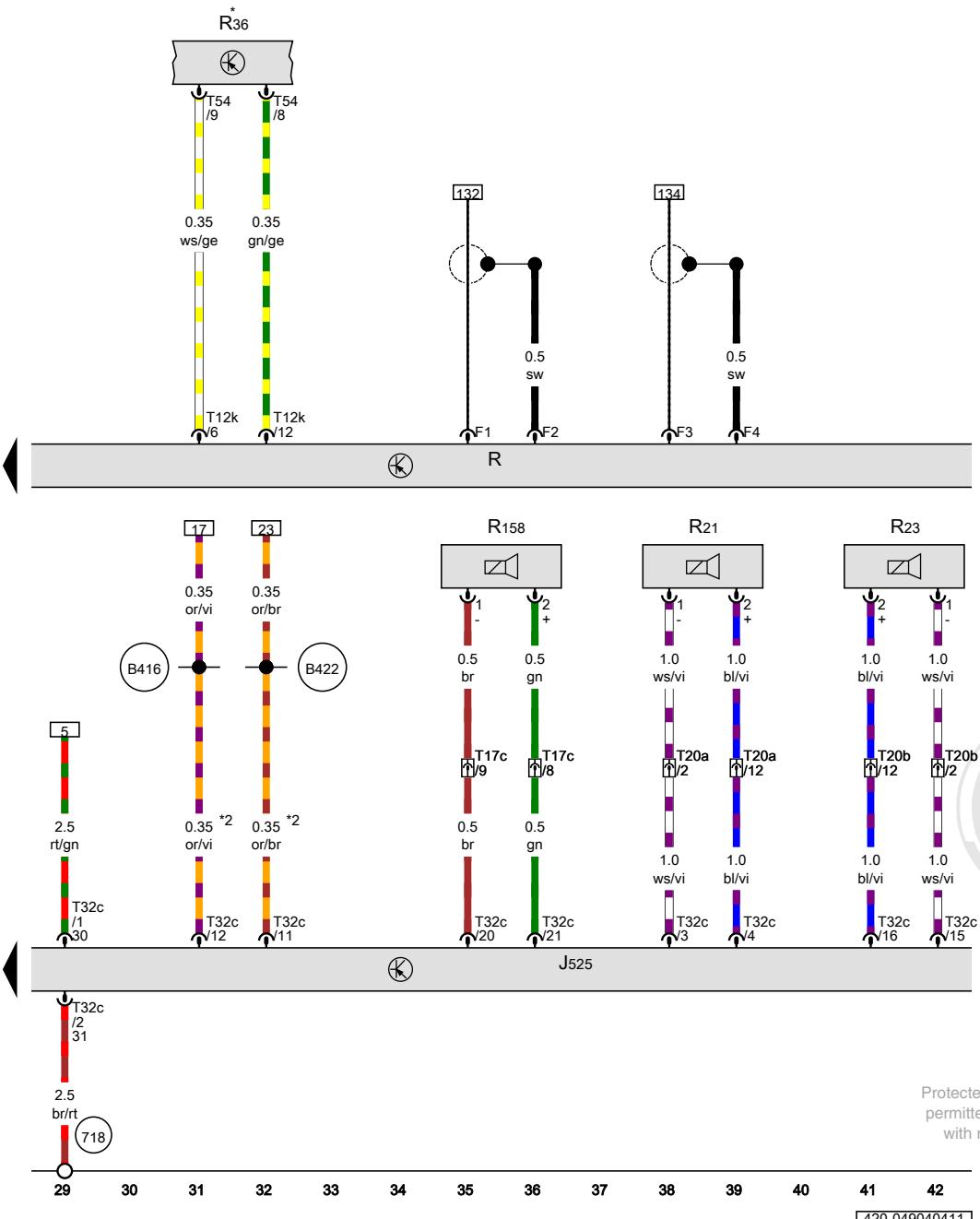
ws = white
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 gn = green
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 ge = yellow
 or = orange
 rs = pink



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
T8d 8-pin connector
T12k 12-pin connector
T17 17-pin connector, Inside the center console connector station on the right side
T20 20-pin connector
T32c 32-pin connector
 364 Low frequency ground connection 1 (in instrument panel wiring harness)
 B415 Infotainment CAN Bus high connection 1 (in main wiring harness)
 B421 Infotainment CAN bus low connection 1 (in main wiring harness)

* Data bus wire (CAN bus)



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

J525 Digital sound system control module

R Radio

R21 Left front bass speaker

R23 Right front bass speaker

R36 Telephone transceiver

R158 Center mid-treble speaker

T12k 12-pin connector

T17c 17-pin connector, Inside the center console connector station on the right side

T20a 20-pin connector, in the left front door

T20b 20-pin connector, in the right front door

T32c 32-pin connector

T54 54-pin connector

718 Audio ground connection under rear shelf

B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

B422 Infotainment CAN bus low connection 2 (in main wiring harness)

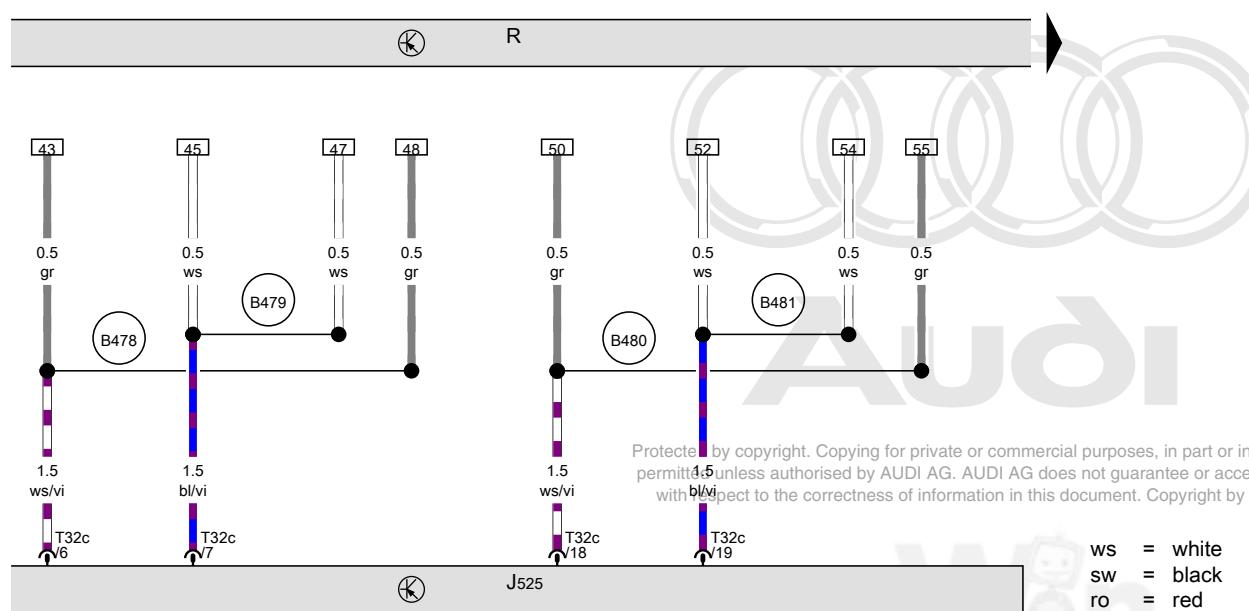
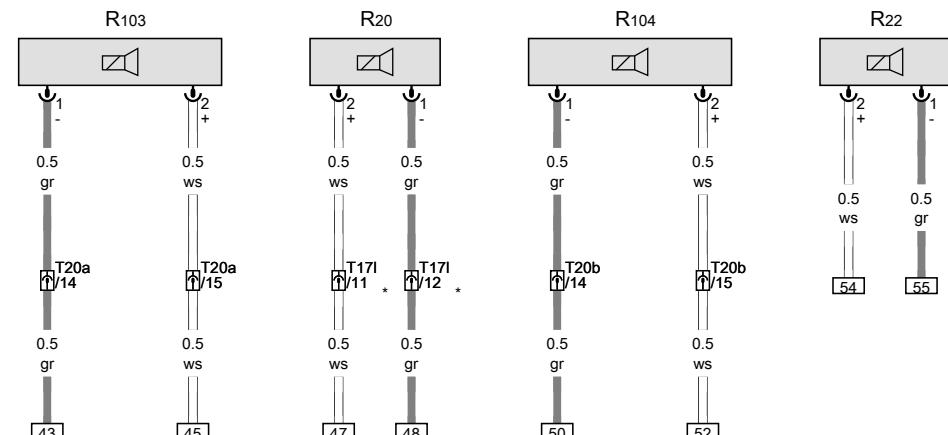
* Only for vehicles with cell phone preparation

*2 Data bus wire (CAN bus)

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Digital sound system control module, Radio, Left front treble speaker, Right front treble speaker, Left front midrange speaker, Right front midrange speaker

- J525 Digital sound system control module
- R Radio
- R20 Left front treble speaker
- R22 Right front treble speaker
- R103 Left front midrange speaker
- R104 Right front midrange speaker
- T17I 17-pin connector, on the left A-pillar
- T20a 20-pin connector, in the left front door
- T20b 20-pin connector, in the right front door
- T32c 32-pin connector

(B478) Connection 14 (in main wiring harness)

(B479) Connection 15 (in main wiring harness)

(B480) Connection 16 (in main wiring harness)

(B481) Connection 17 (in main wiring harness)

* Depending on 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 |

Radio, CD changer

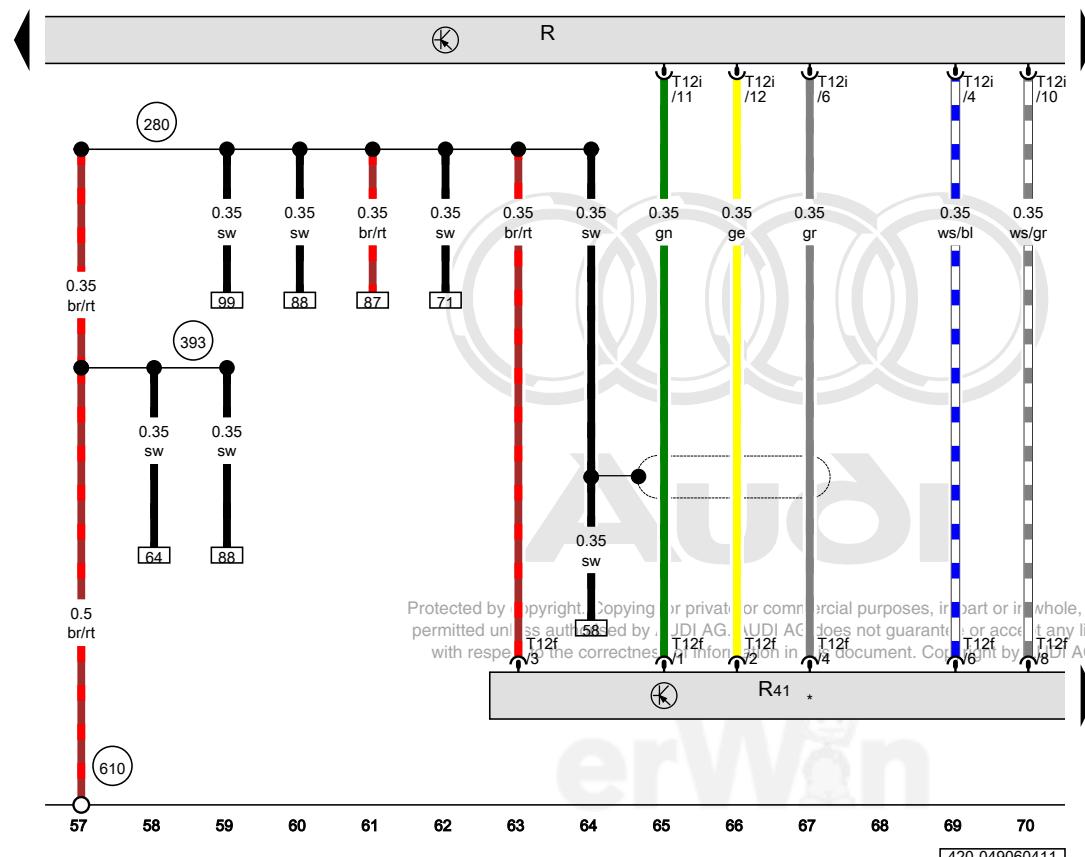
R Radio
R41 CD changer
T12f 12-pin connector
T12i 12-pin connector

(280) Ground connection (in communication wiring harness)

(393) Ground connection 28 (in main wiring harness)

(610) Audio ground connection under front center console

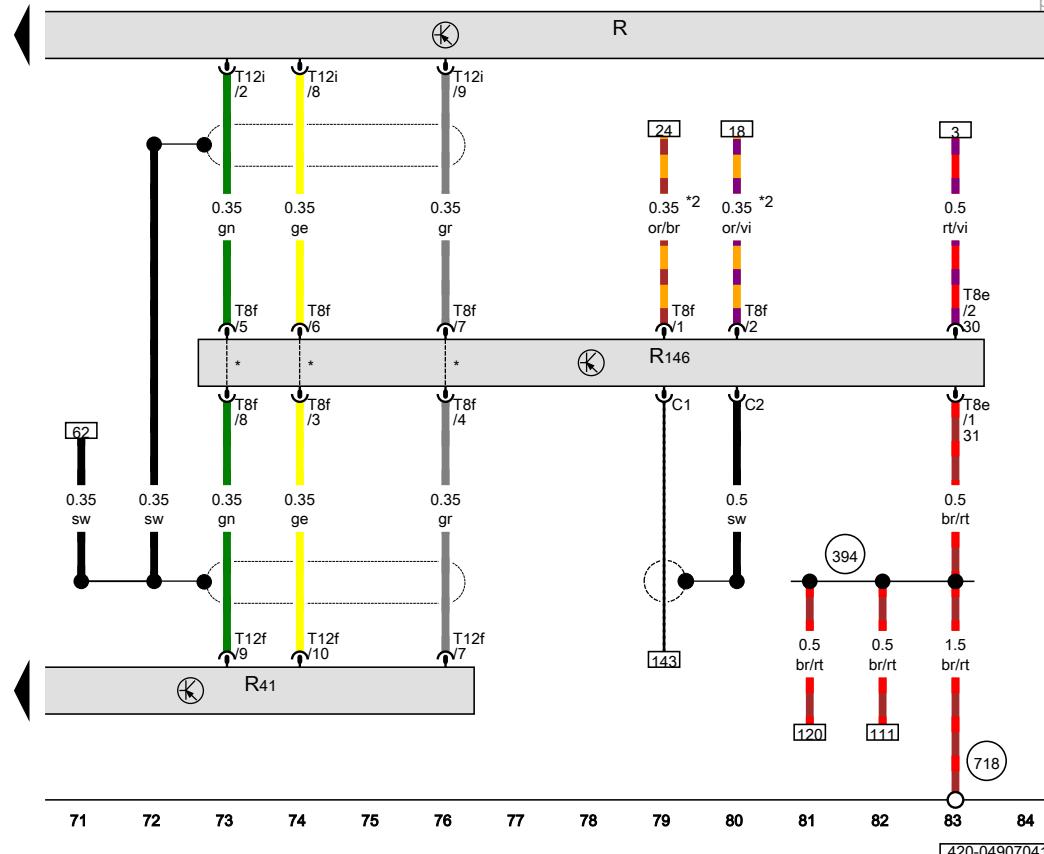
* Only for vehicles with CD changer



Radio, CD changer, Satellite radio

| | |
|------------|--|
| R | Radio |
| R41 | CD changer |
| R146 | Satellite radio |
| T8e | 8-pin connector |
| T8f | 8-pin connector |
| T12f | 12-pin connector |
| T12i | 12-pin connector |
| 394 | Ground connection 29 (in main wiring harness) |
| 718 | Audio ground connection under rear shelf |
| * *2 | Only for vehicles without satellite radio Data bus wire (CAN bus) |

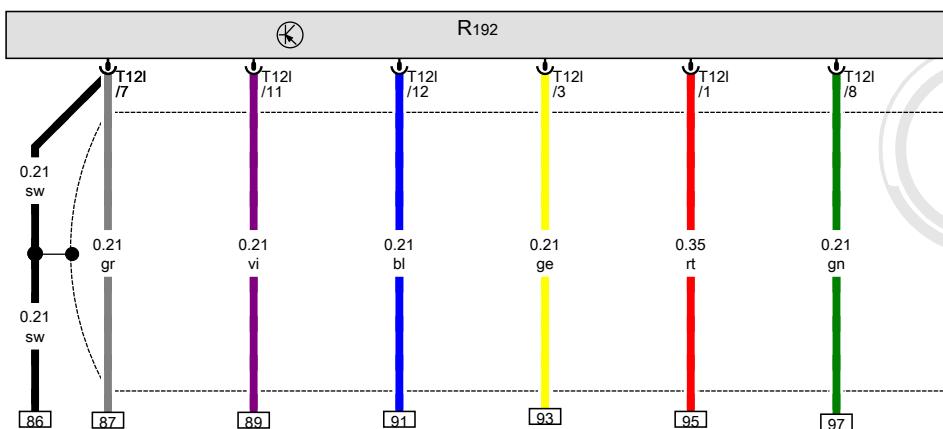
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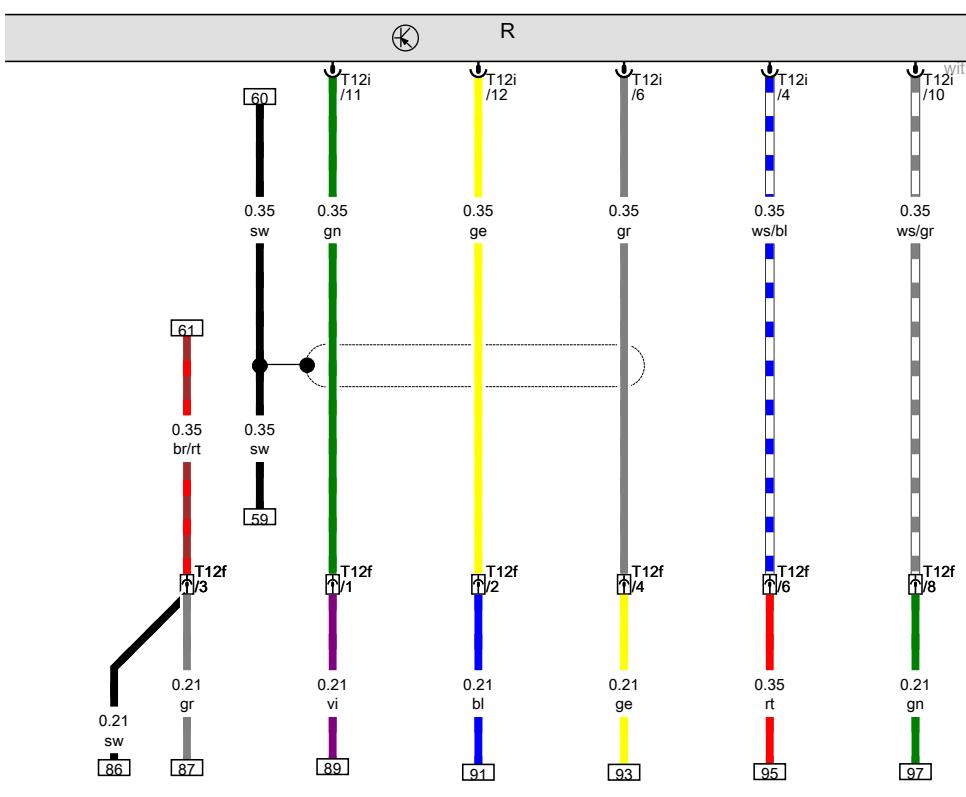
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| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Radio

- R Radio
 R192 iPod baseplate
 T12f 12-pin connector, in the rear center console
 T12i 12-pin connector
 T12l 12-pin connector
 * Only for vehicles with iPod bracket




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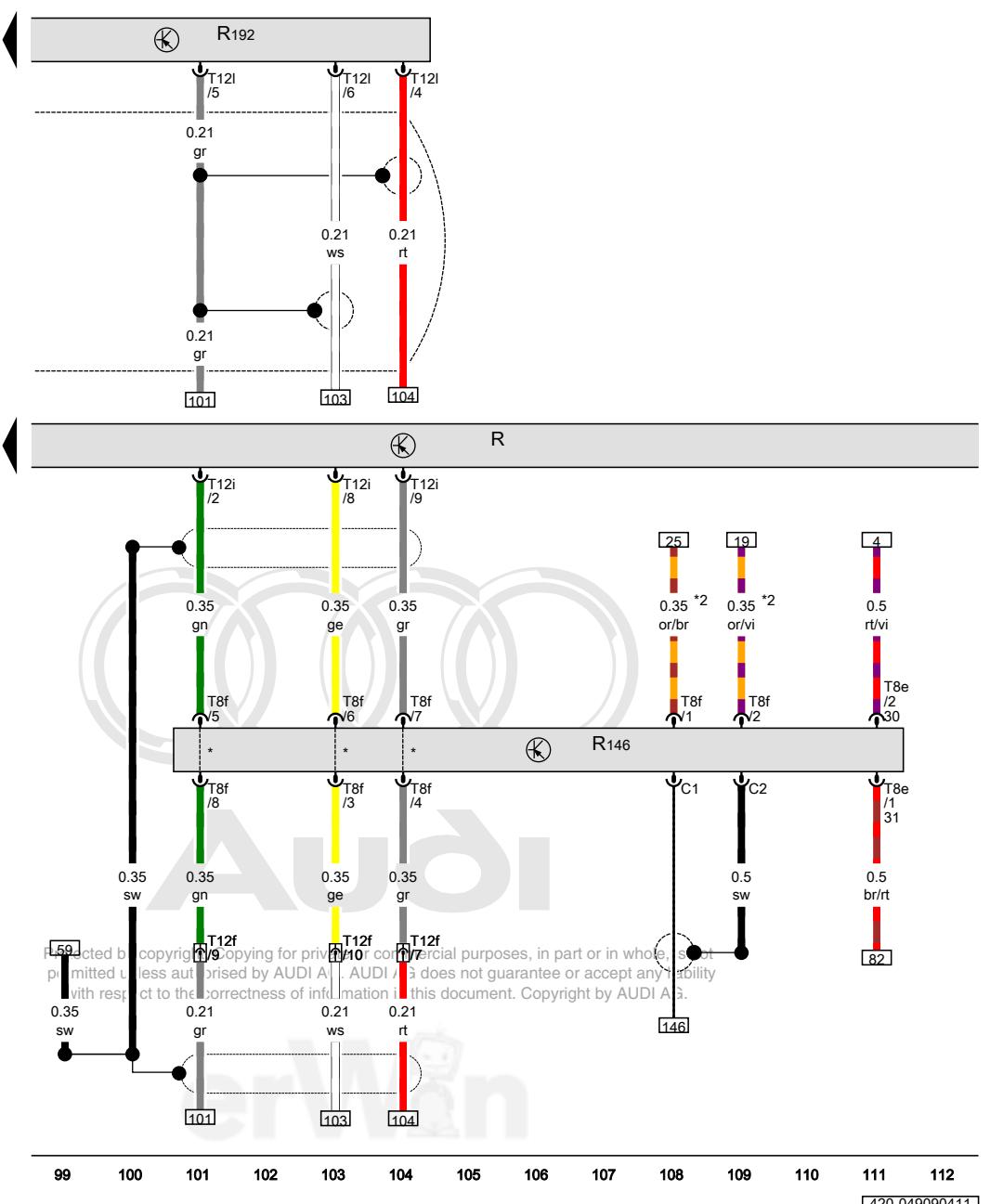



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| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

85 86 87 88 89 90 91 92 93 94 95 96 97 98
F420-0490804111

Radio, Satellite radio

| | |
|------|--|
| R | Radio |
| R146 | Satellite radio |
| R192 | iPod baseplate |
| T8e | 8-pin connector |
| T8f | 8-pin connector |
| T12f | 12-pin connector, in the rear center console |
| T12i | 12-pin connector |
| T12l | 12-pin connector |
| * | * Only for vehicles without satellite radio |
| *2 | *2 Data bus wire (CAN bus) |



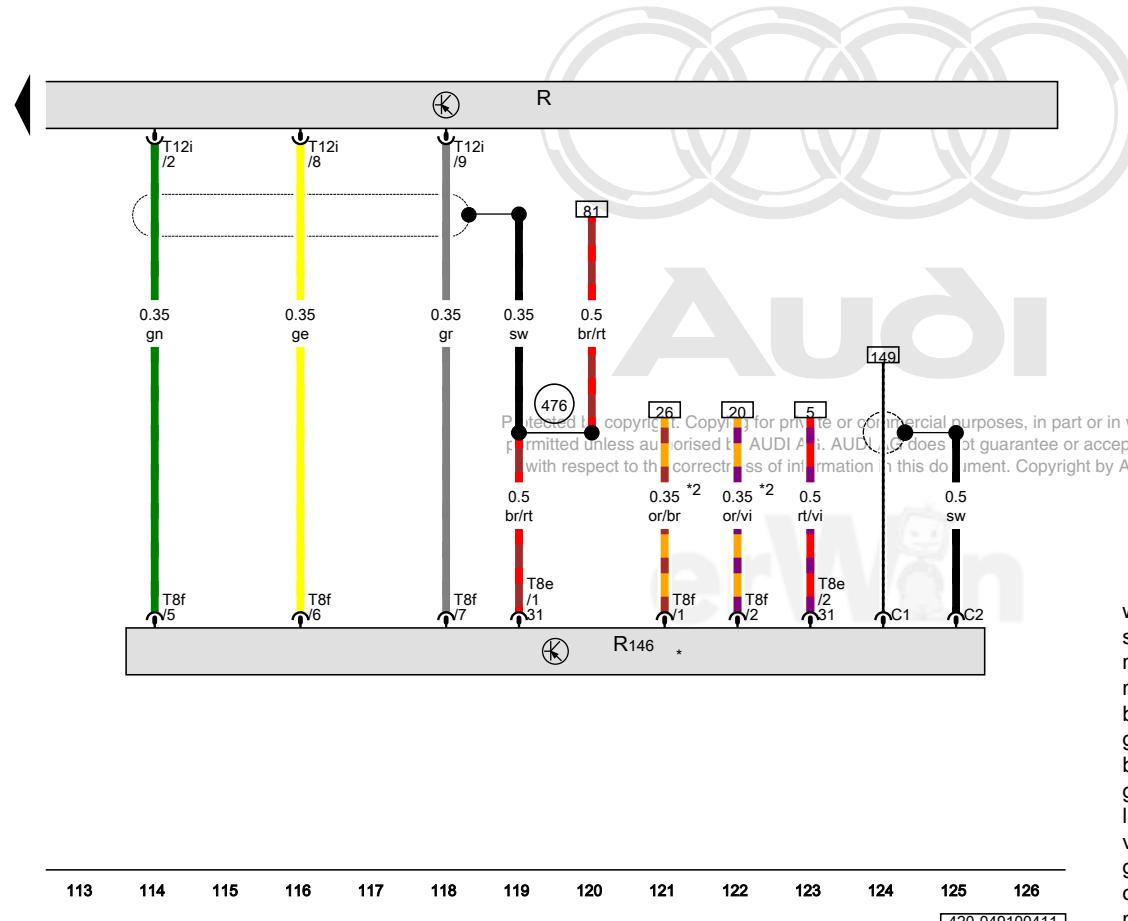
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| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Radio, Satellite radio

R Radio
 R146 Satellite radio
 T8e 8-pin connector
 T8f 8-pin connector
 T12i 12-pin connector

476 Ground connection (in audio wiring harness)

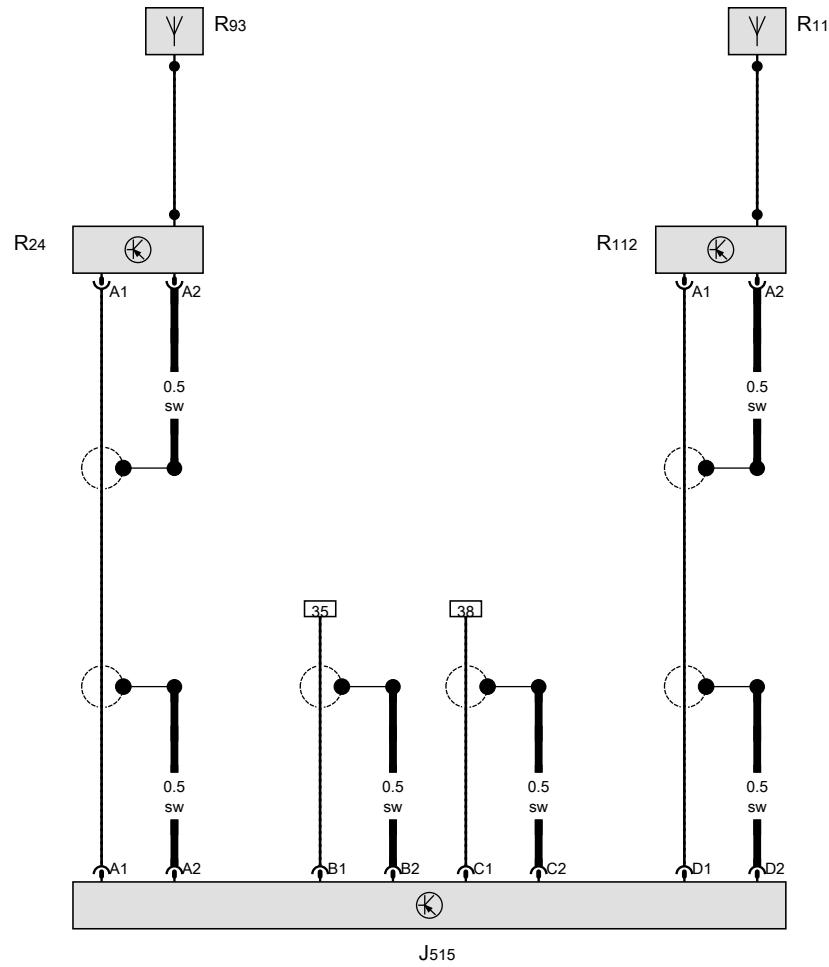
- * Only for vehicles without a CD changer or bracket for iPod/USB connection
- *2 Data bus wire (CAN bus)



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

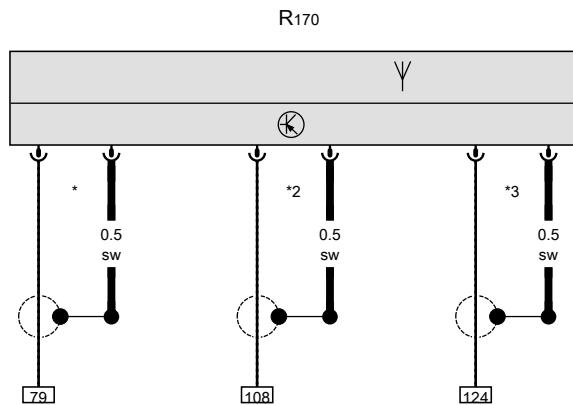
Antenna selection control module, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 3

J515 Antenna selection control module
R11 Antenna
R24 Antenna amplifier
R93 Radio antenna 2
R112 Antenna amplifier 3



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| li | = lilac |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

**Satellite antenna**

R170 Satellite antenna, in the rear lid

* Only for vehicles with CD changer

*2 Only for vehicles with iPod bracket

*3 Only for vehicles without a CD changer or bracket for iPod/USB connection



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

F470-00491704111

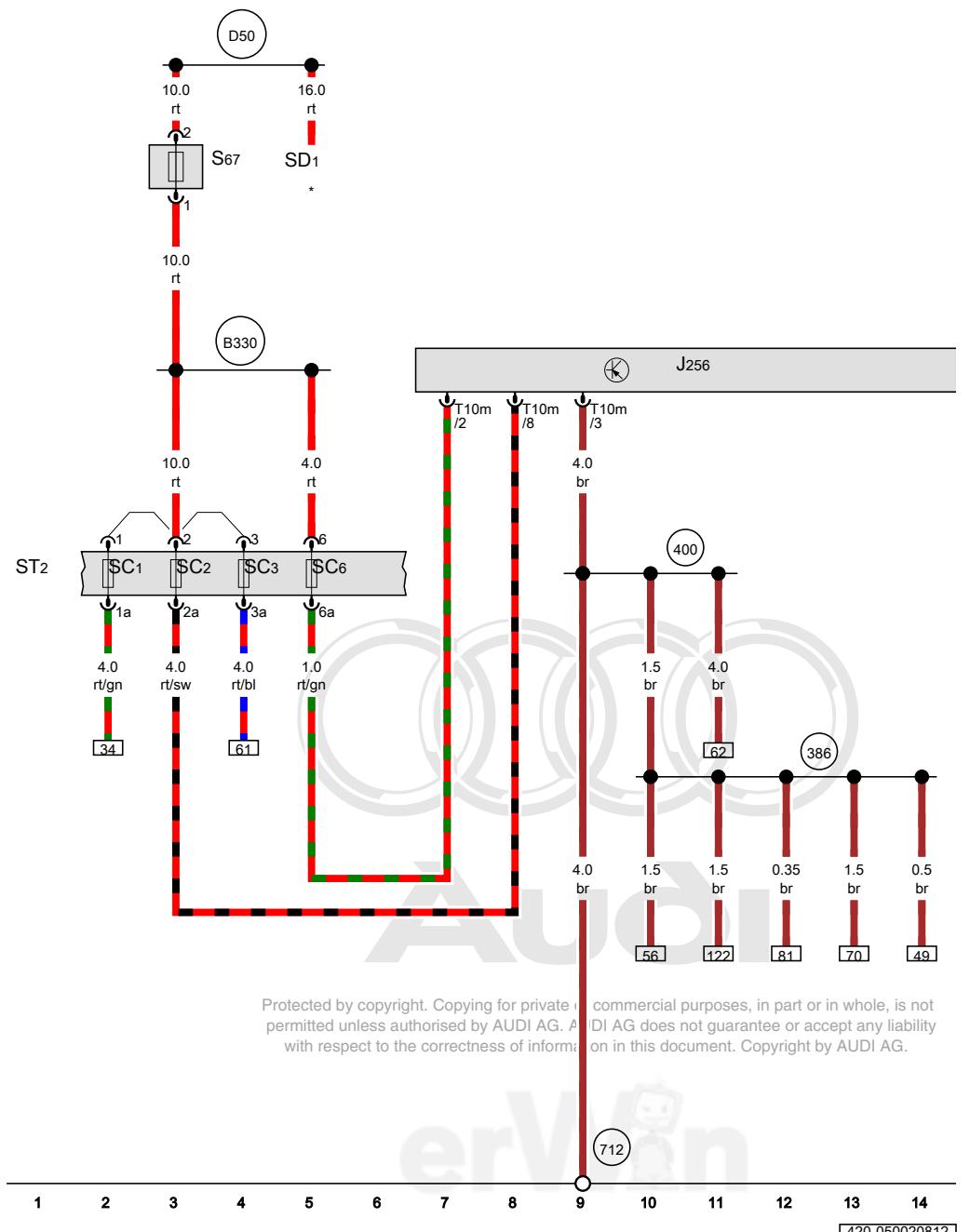
| | |
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| ws | = white |
| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Convertible top
from September 2009

The Audi brand name in a bold, sans-serif font.

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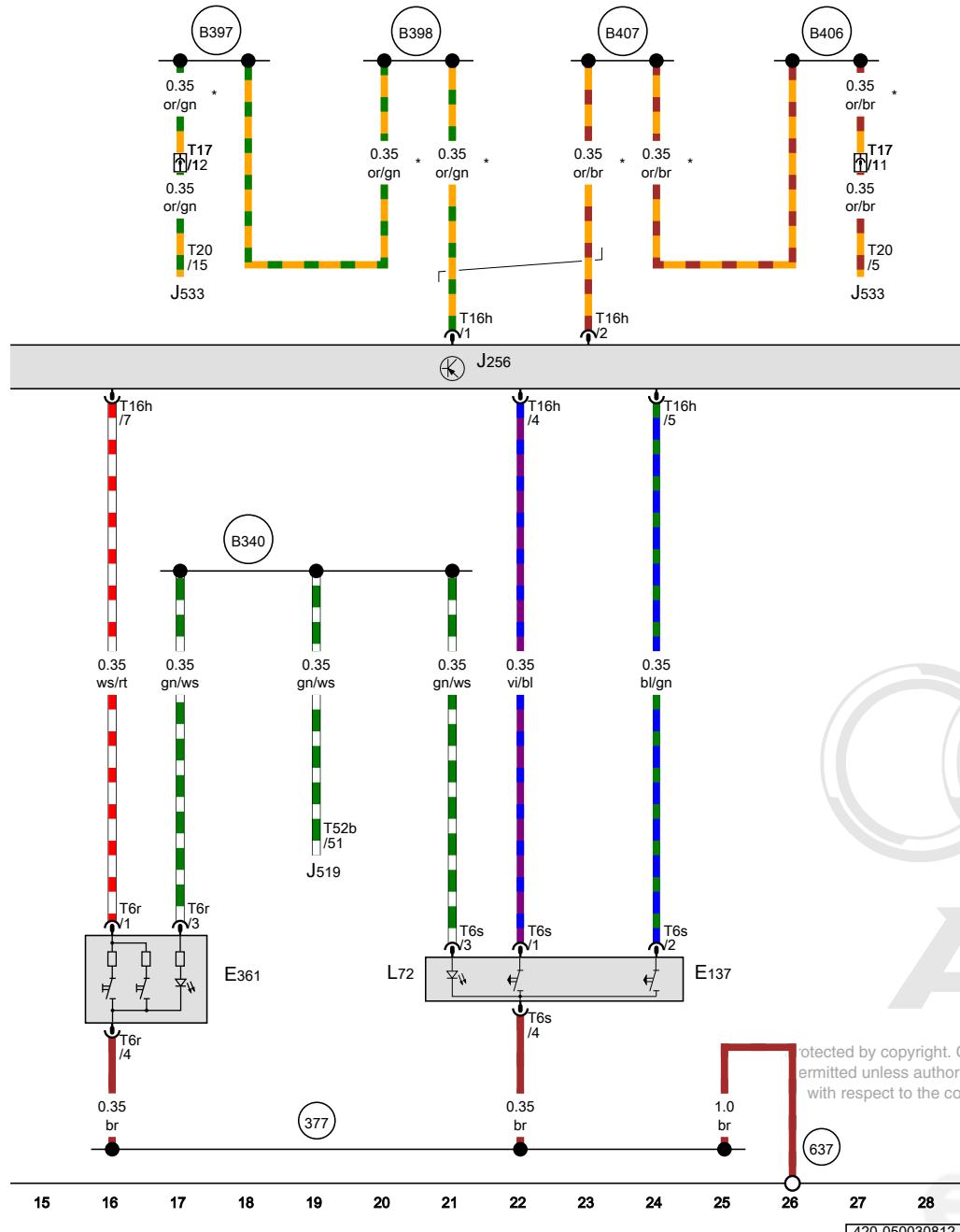
Convertible top control module

- | | |
|------|---|
| J256 | Convertible top control module |
| SD1 | Fuse 1 (on fuse panel D) |
| SC1 | Fuse 1 (on fuse panel C) |
| SC2 | Fuse 2 (on fuse panel C) |
| ST2 | Fuse panel 2 |
| SC3 | Fuse 3 (on fuse panel C) |
| SC6 | Fuse 6 (on fuse panel C) |
| S67 | Convertible top operation fuse |
| T10m | 10-pin connector |
| 386 | Ground connection 21 (in main wiring harness) |
| 400 | Ground connection 35 (in main wiring harness) |
| 712 | Ground connection under rear shelf, left |
| B330 | Positive connection 16 (30a) (in main wiring harness) |
| D50 | Positive connection (30) (in engine compartment wiring harness) |

* Main fuse box in the right front footwell

* Main fuse box in the right front footwell

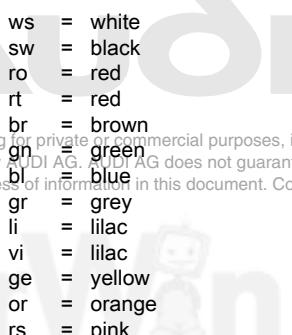
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| br | = brown |
| gn | = green |
| bl | = blue |
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| li | = lilac |
| vi | = lilac |
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| or | = orange |
| rs | = pink |



**Power top operation switch, Rear window opening button,
Convertible top control module**

E137 Power top operation switch
 E361 Rear window opening button
 J256 Convertible top control module
 J519 Vehicle electrical system control module
 J533 Data bus on board diagnostic interface
 L72 Convertible top switch illumination bulb
 T6r 6-pin connector
 T6s 6-pin connector
 T16h 16-pin connector
 T17 17-pin connector, behind the instrument panel, center
 T20 20-pin connector
 T52b 52-pin connector

- (377) Ground connection 12 (in main wiring harness)
- (637) Airbag control module ground connection
- (B340) Connection 58d (in main wiring harness) 1
- (B397) Comfort system CAN bus high connection 1 (in main wiring harness)
- (B398) Comfort system CAN bus low connection 1 (in main wiring harness)
- (B406) Comfort system CAN bus low connection 1 (in main wiring harness)
- (B407) Comfort system CAN bus low connection 2 (in main wiring harness)
- * Data bus wire (CAN bus)



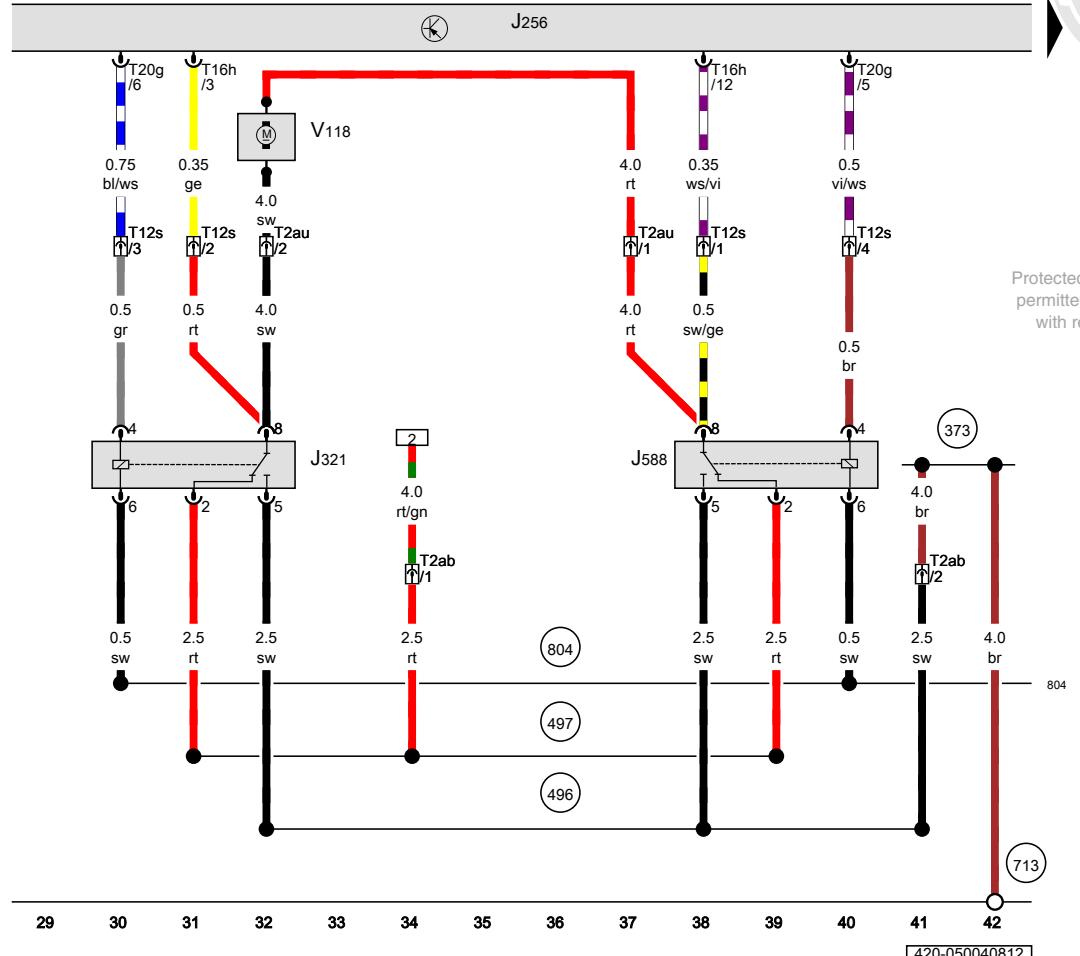
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420-05000308121

Convertible top control module, Convertible top hydraulic pump relay, Convertible top hydraulic pump relay 2, Convertible top hydraulic pump

- J256 Convertible top control module
- J321 Convertible top hydraulic pump relay
- J588 Convertible top hydraulic pump relay 2
- T2ab Double connector, near the convertible top hydraulic pump
- T2au Double connector, near the convertible top hydraulic pump
- T12s 12-pin connector, near the convertible top hydraulic pump
- T16h 16-pin connector
- T20g 20-pin connector
- V118 Convertible top hydraulic pump
- (373) Ground connection 8 (in main wiring harness)
- (496) Hydraulic motor connection 1 (in convertible top wiring harness)
- (497) Hydraulic motor connection 2 (in convertible top wiring harness)
- (713) Ground connection under rear shelf, right
- (804) Ground connection 3 (in convertible top wiring harness)

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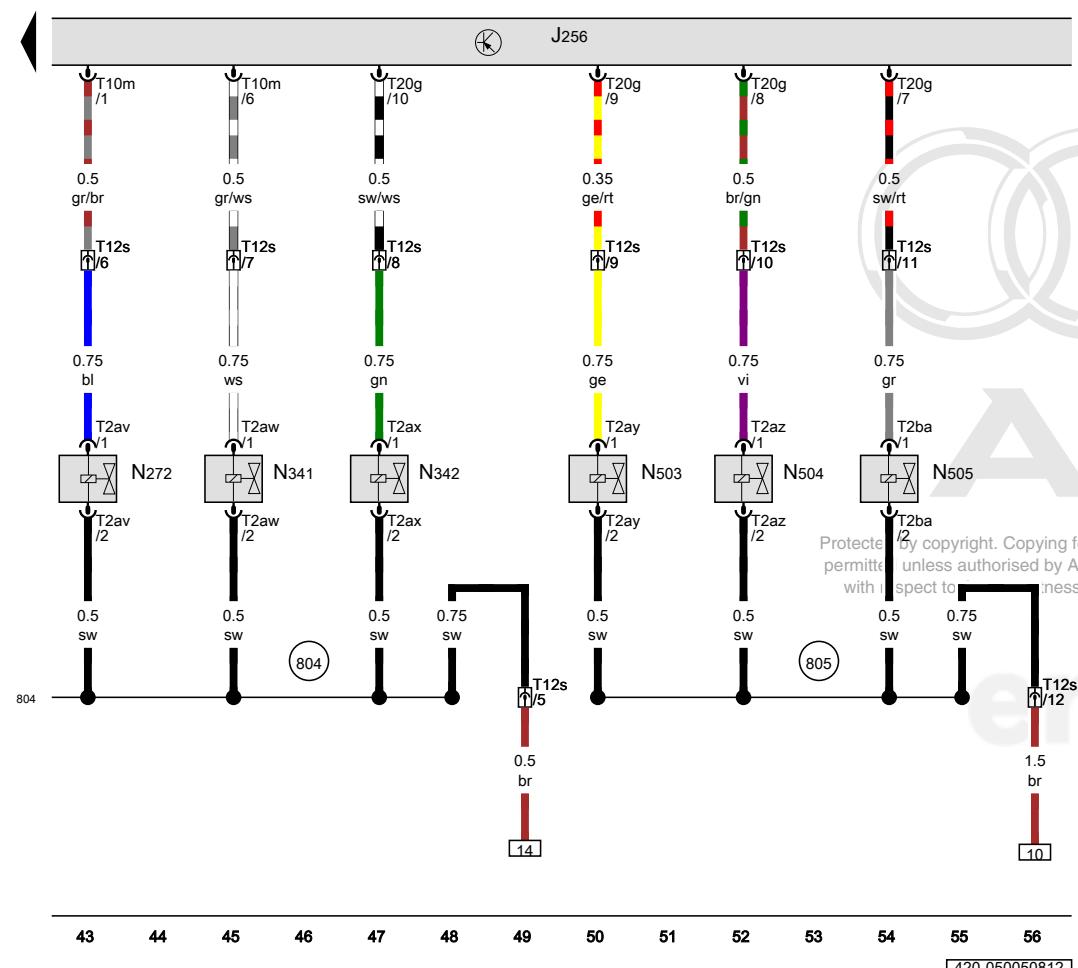
29 30 31 32 33 34 35 36 37 38 39 40 41 42

F420-05000408121

Convertible top control module, Power convertible top valve 1

J256 Convertible top control module
 N272 Power convertible top valve 1
 N341 Power convertible top valve 2
 N342 Power convertible top valve 3
 N503 Power convertible top valve 4
 N504 Power convertible top valve 5
 N505 Power convertible top valve 6
 T2av Double connector
 T2aw Double connector
 T2ax Double connector
 T2ay Double connector
 T2az Double connector
 T2ba Double connector
 T10m 10-pin connector
 T12s 12-pin connector, near the convertible top hydraulic pump
 T20g 20-pin connector

804 Ground connection 3 (in convertible top wiring harness)
 805 Ground connection 4 (in convertible top wiring harness)

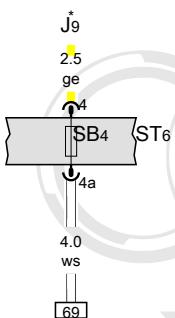


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 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink

F420-05000508121

Convertible top control module, Rear window motor relay 1,
Rear window motor relay 2, Rear window motor, Rear
window defogger



J9 Rear window defogger relay

J256 Convertible top control module

J918 Rear window motor relay 1

J919 Rear window motor relay 2

SB4 Fuse 4 (on fuse panel B)

ST6 Fuse panel 6

T2ad Double connector, in the convertible top wiring harness

T2bb Double connector

T6u 6-pin connector, in the convertible top wiring harness

T10m 10-pin connector

T17h 17-pin connector, near the fuse panel

T17i 17-pin connector, near the fuse panel

V456 Rear window motor

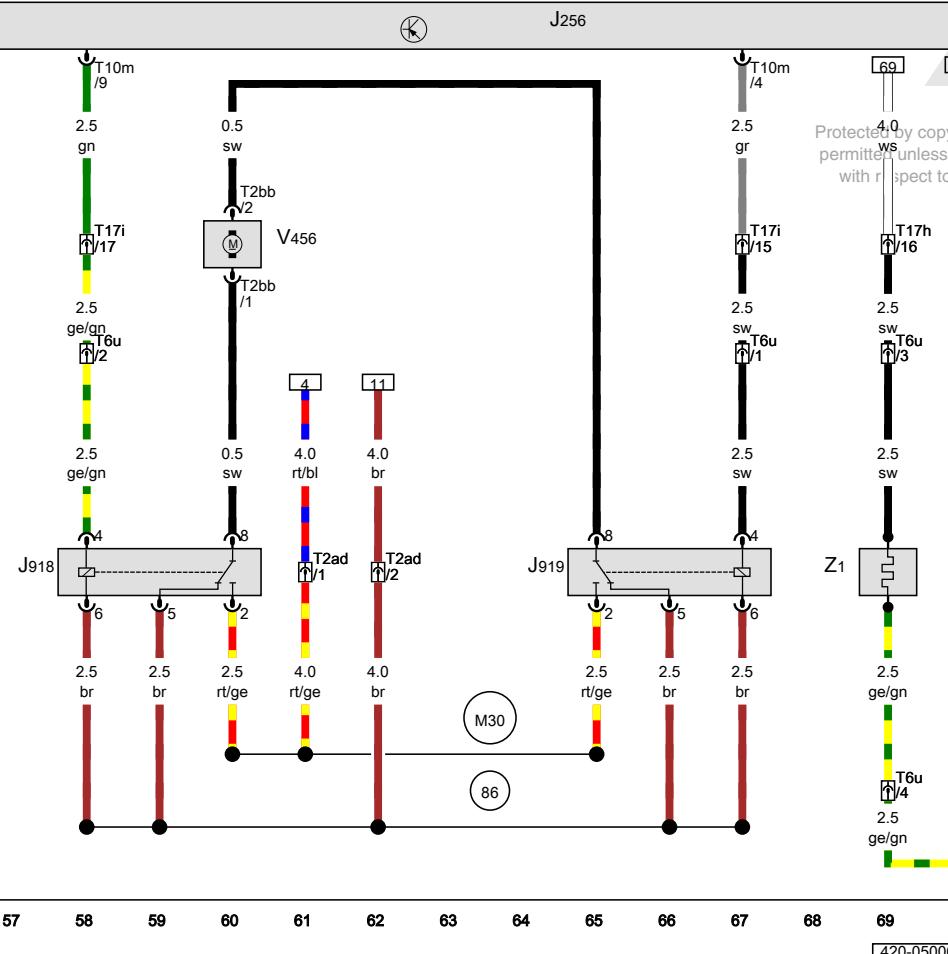
Z1 Rear window defogger

86 Ground connection 1 (in rear wiring harness)

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M30 Positive connection (30) (in convertible top wiring harness)

* Refer to applicable standard equipment wiring diagram



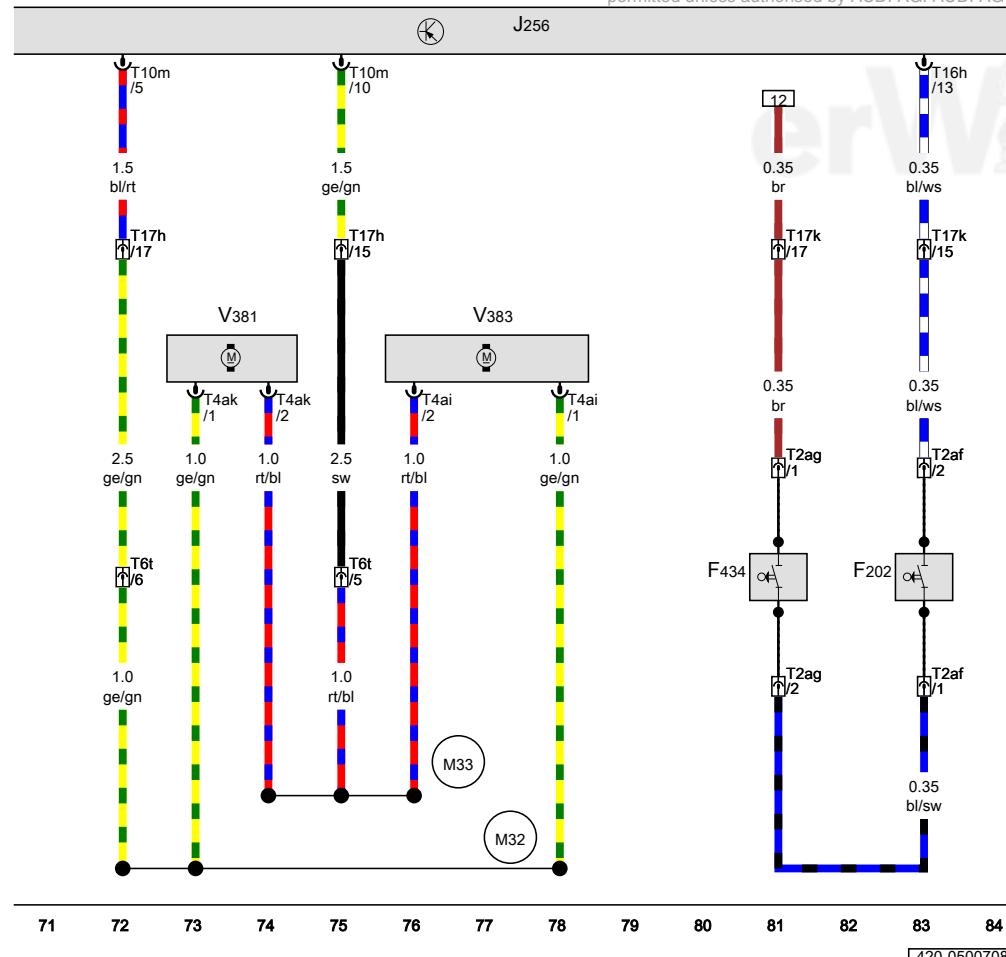
ws = white
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 vi = lilac
 ge = yellow
 or = orange
 rs = pink

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



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Convertible top front closed position switch, Right front convertible top switch, Convertible top control module, Right convertible top flap motor, Left convertible top flap motor

- F202 Convertible top front closed position switch
- F434 Right front convertible top switch
- J256 Convertible top control module
- T2af Double connector
- T2ag Double connector
- T4ai 4-pin connector
- T4ak 4-pin connector
- T6t 6-pin connector, in the convertible top wiring harness
- T10m 10-pin connector
- T16h 16-pin connector
- T17h 17-pin connector, near the fuse panel
- T17k 17-pin connector, on the left A-pillar
- V381 Right convertible top flap motor
- V383 Left convertible top flap motor

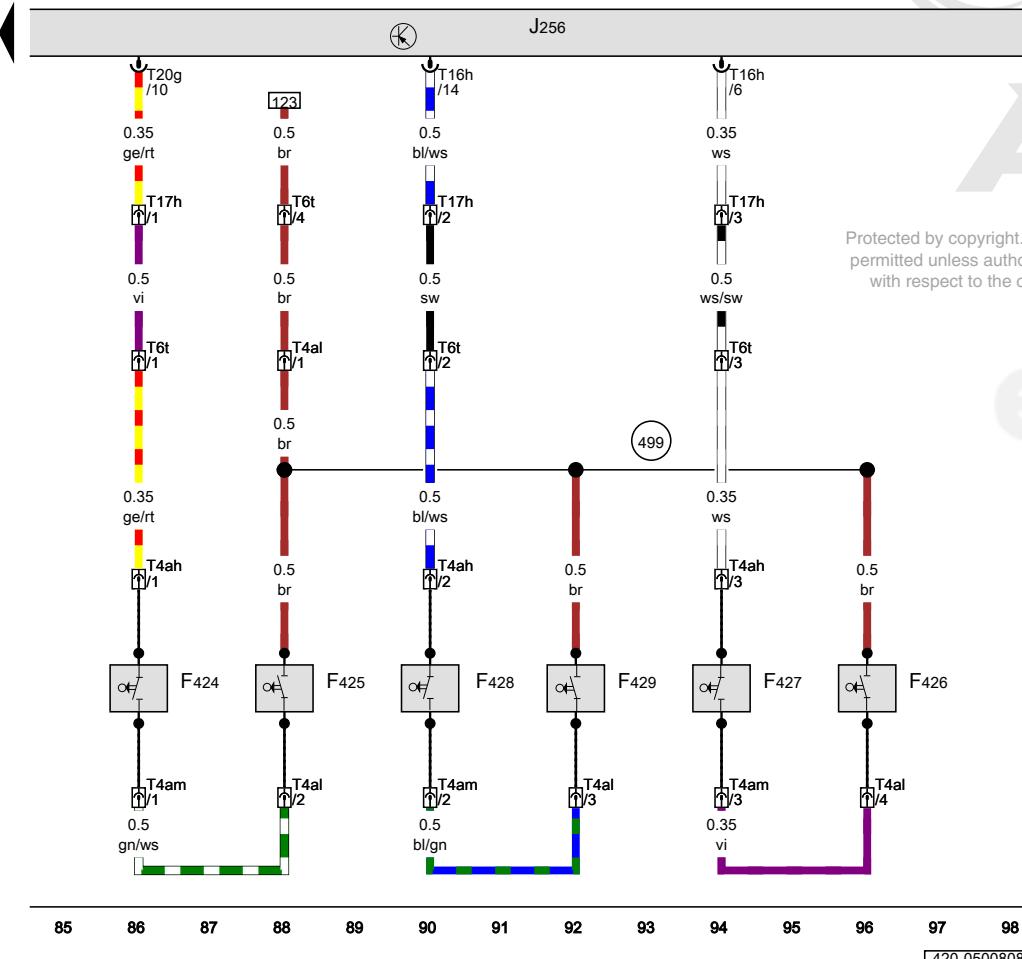
(M32) Connection 1 (in convertible top wiring harness)

(M33) Connection 2 (in convertible top wiring harness)

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| sw | = black |
| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
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| ge | = yellow |
| or | = orange |
| rs | = pink |

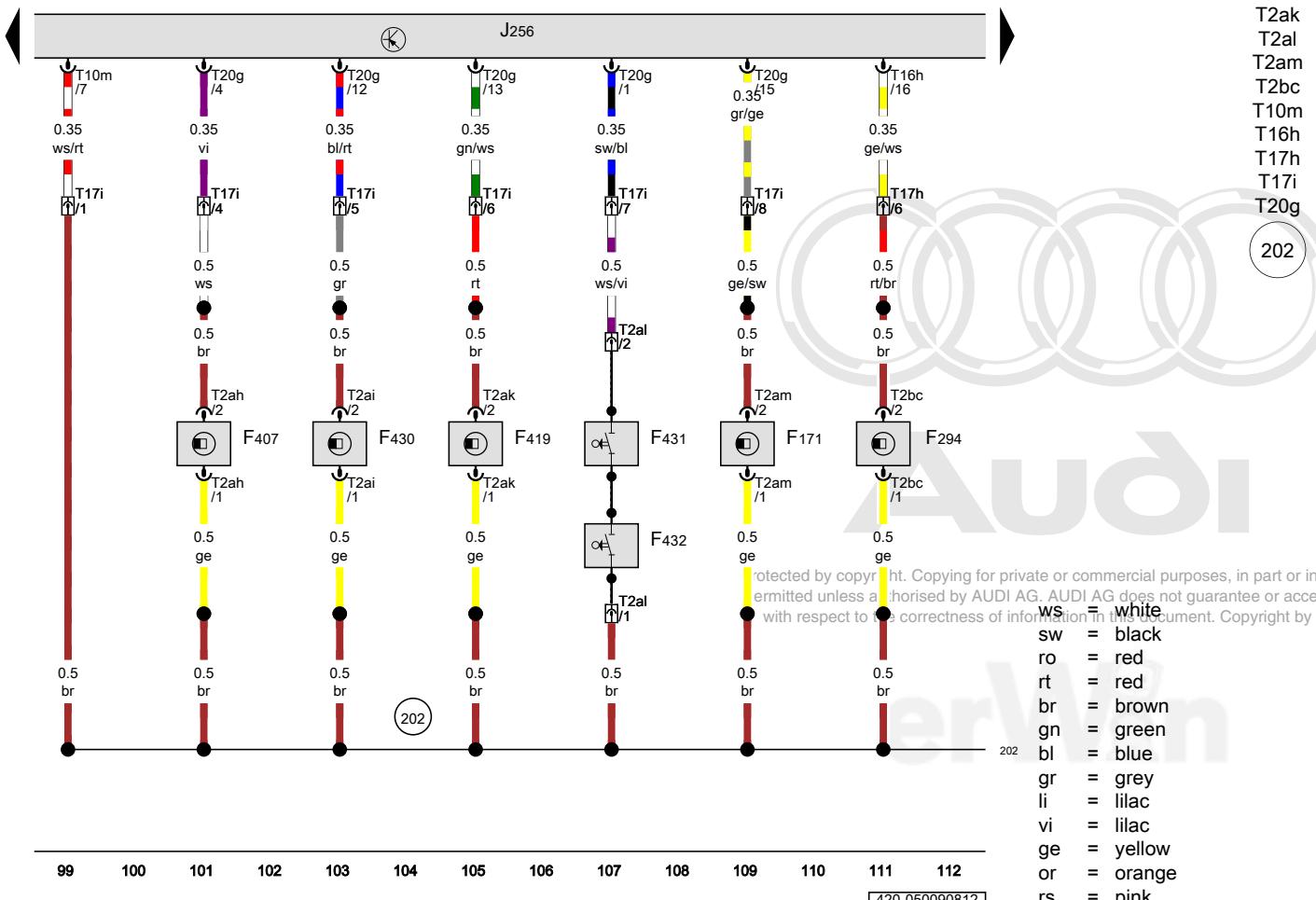
Left convertible top flap retracted position switch, Left convertible top flap extended position switch, Left convertible top compartment center position switch, Convertible top control module

- F424 Left convertible top flap retracted position switch
- F425 Right convertible top flap retracted position switch
- F426 Right convertible top flap extended position switch
- F427 Left convertible top flap extended position switch
- F428 Left convertible top compartment center position switch
- F429 Right convertible top compartment center position switch
- J256 Convertible top control module
- T4ah 4-pin connector
- T4al 4-pin connector
- T4am 4-pin connector
- T6t 6-pin connector, in the convertible top wiring harness
- T16h 16-pin connector
- T17h 17-pin connector, near the fuse panel
- T20g 20-pin connector
- 499 Sensor ground connection 2 (in convertible top 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

Convertible top open position switch, Convertible top latch -open- switch, Convertible top compartment -open- switch, Left tensioning bow lowered position switch, Upper right tensioning bow switch, Convertible top control module

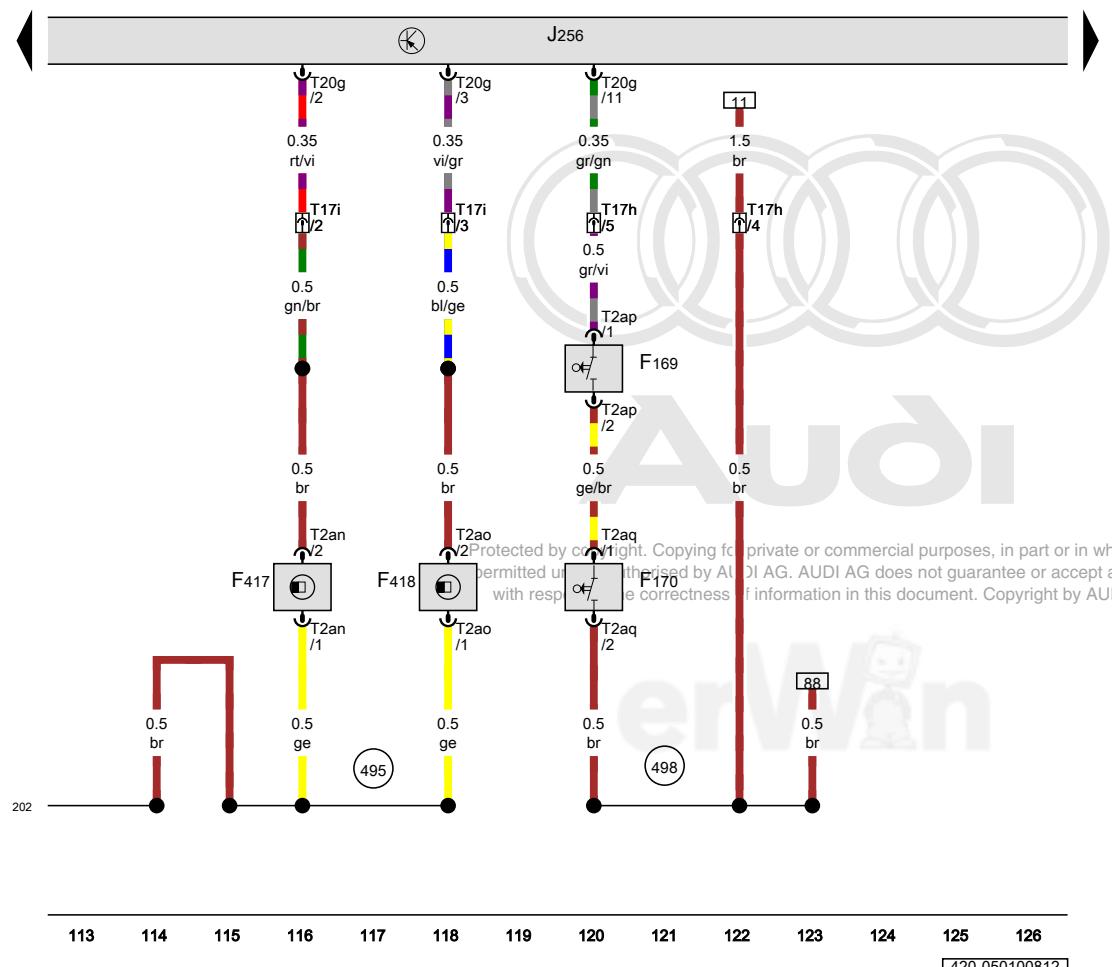


- F171 Convertible top open position switch
- F294 Convertible top latch -open- switch
- F407 Convertible top compartment -open- switch
- F419 Left tensioning bow lowered position switch
- F430 Lower convertible top compartment cover switch
- F431 Upper right tensioning bow switch
- F432 Upper left tensioning bow switch
- J256 Convertible top control module
- T2ah Double connector
- T2ai Double connector
- T2ak Double connector
- T2al Double connector
- T2am Double connector
- T2bc Double connector
- T10m 10-pin connector
- T16h 16-pin connector
- T17h 17-pin connector, near the fuse panel
- T17i 17-pin connector, near the fuse panel
- T20g 20-pin connector

202 Ground connection (in convertible top wiring harness)

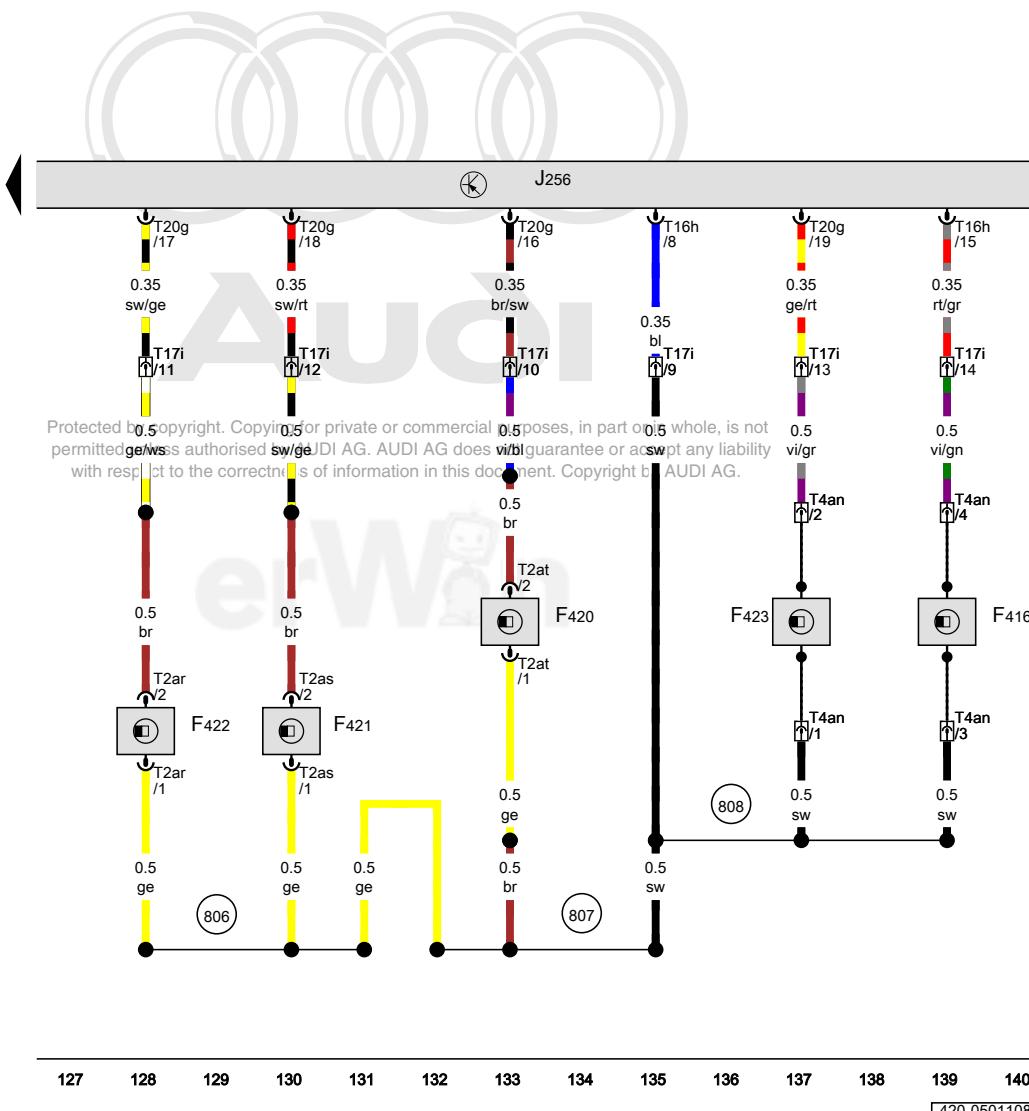
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Convertible top left lock switch, Convertible top right lock switch, Left convertible top compartment -locked- switch, Convertible top control module



- F169 Convertible top left lock switch
- F170 Convertible top right lock switch
- F417 Left convertible top compartment -locked- switch
- F418 Left convertible top compartment -unlocked- switch
- J256 Convertible top control module
- T2an Double connector
- T2ao Double connector
- T2ap Double connector
- T2aq Double connector
- T17h 17-pin connector, near the fuse panel
- T17i 17-pin connector, near the fuse panel
- T20g 20-pin connector
- (202) Ground connection (in convertible top wiring harness)
- (495) Ground connection 2 (in convertible top wiring harness)
- (498) Sensor ground connection 1 (in convertible top wiring harness)

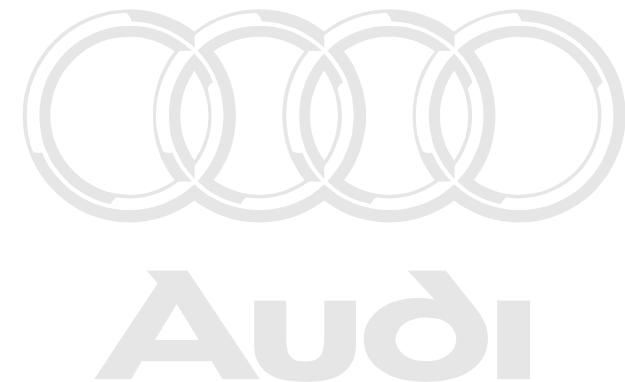
Lower rear window switch, Right tensioning bow lowered position switch, Right convertible top compartment - unlocked- switch, Convertible top control module



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| ws | = white |
| sw | = black |
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| ge | = yellow |
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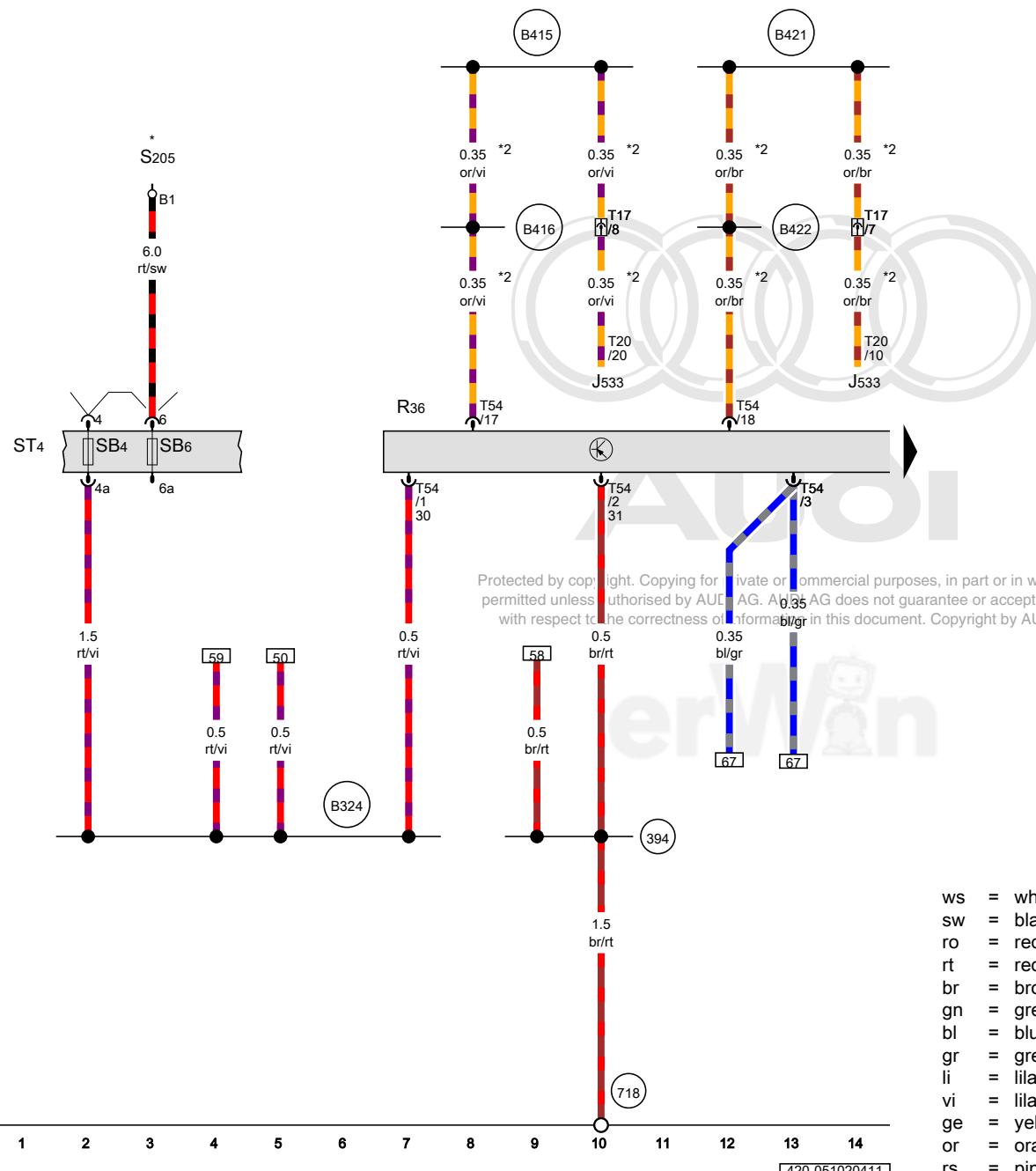
Cell phone preparation

From September 2009

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Telephone transceiver

- J533 Data bus on board diagnostic interface
 - R36 Telephone transceiver
 - ST4 Fuse panel 4
 - SB4 Fuse 4 (on fuse panel B)
 - SB6 Fuse 6 (on fuse panel B)
 - S205 Fuse 2 (terminal 30)
 - T17 17-pin connector, behind the instrument panel, center
 - T20 20-pin connector
 - T54 54-pin connector

394 Ground connection 29 (in main wiring harness)

718 Audio ground connection under rear shelf

B324 Positive connection 10 (30a) (in main wiring harness)

B415 Infotainment CAN Bus high connection 1 (in main wiring harness)

B416 Infotainment CAN Bus high connection 2 (in main wiring harness)

B421 Infotainment CAN bus low connection 1 (in main wiring harness)

B422 Infotainment CAN bus low connection 2 (in main wiring harness)

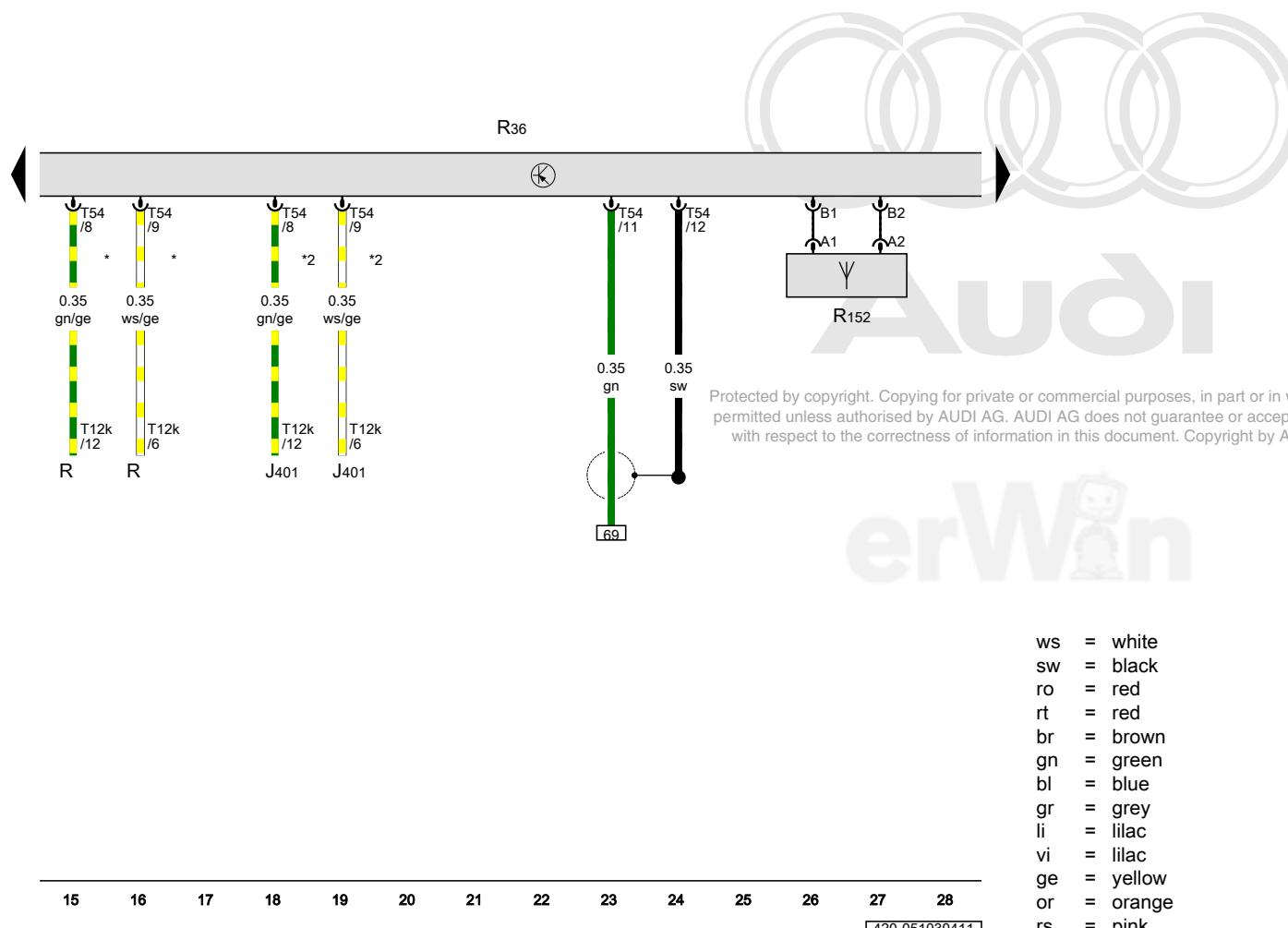
* Main distribution in the right front footwell

*2 Infotainment CAN bus

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| 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 |

Telephone transceiver, Bluetooth antenna

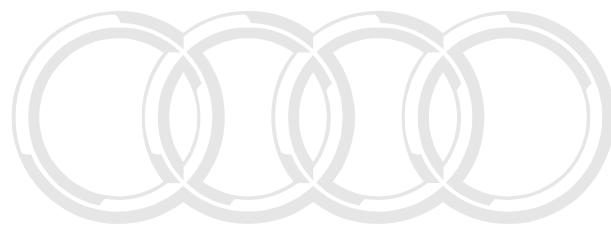
- J401 Navigation system with CD drive control module
 R Radio
 R36 Telephone transceiver
 R152 Bluetooth antenna
 T12k 12-pin connector
 T54 54-pin connector
 * Only for vehicles with a radio
 *2 Only for vehicles with radio navigation system



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

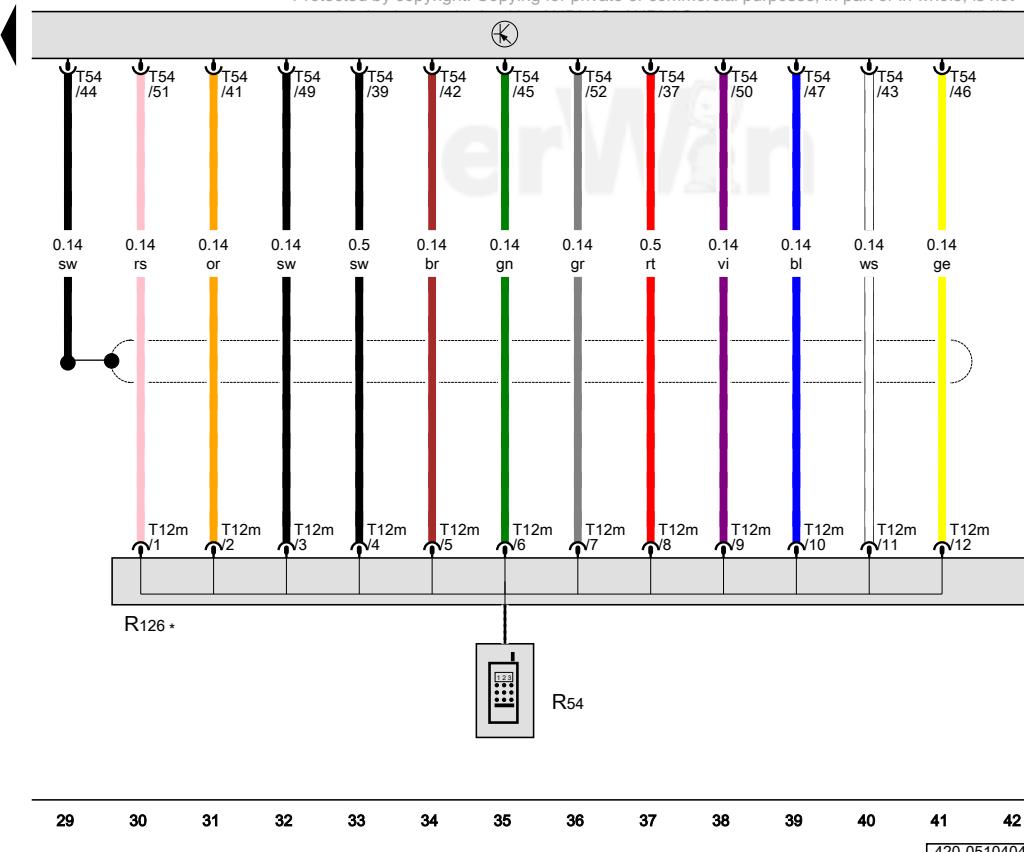
Telephone transceiver, Cellular telephone, Telephone baseplate

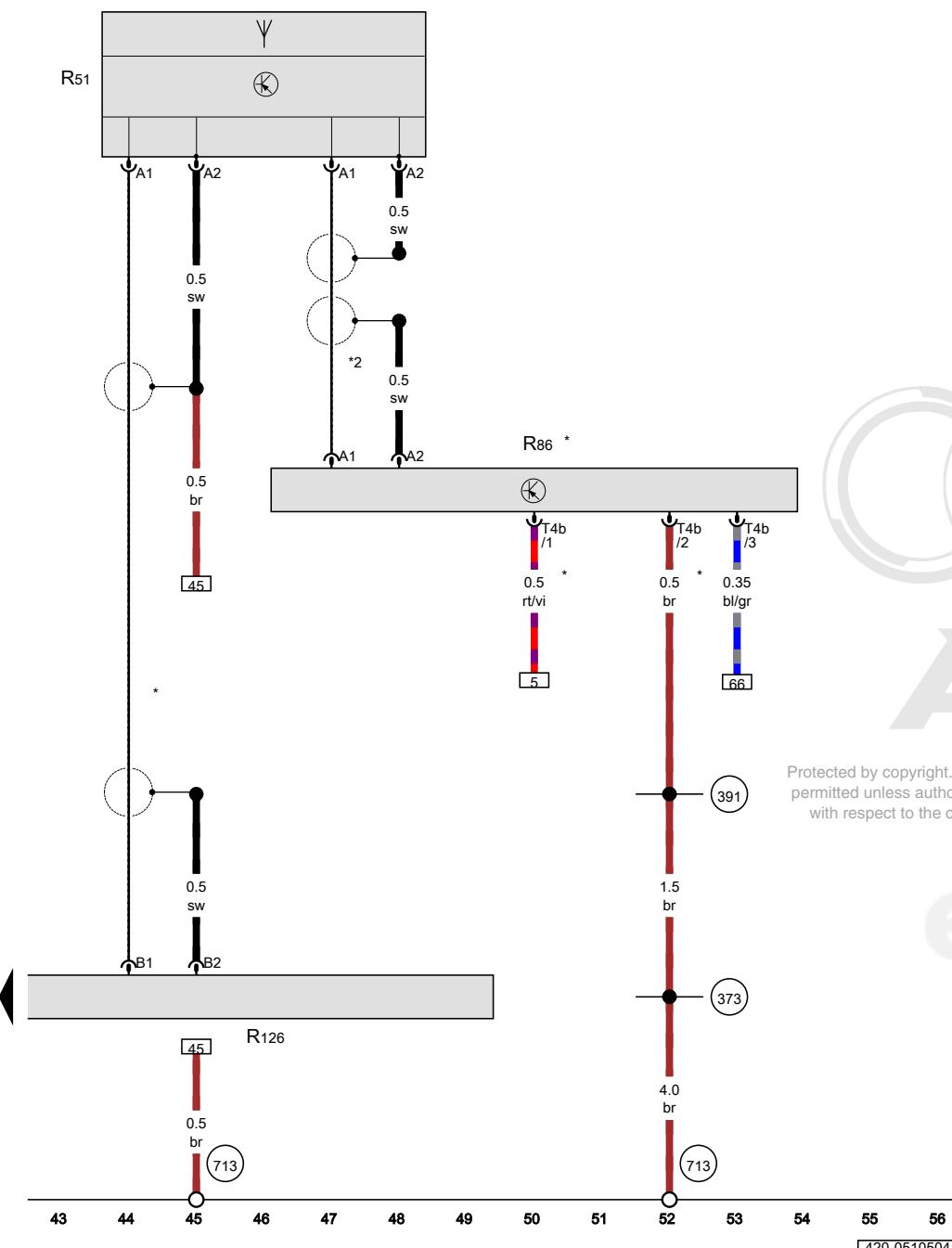
- R36 Telephone transceiver
- R54 Cellular telephone
- R126 Telephone baseplate
- T12m 12-pin connector
- T54 54-pin connector
- * Not for USA



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Radio/telephone antenna, Cellular telephone amplifier,
Telephone baseplate

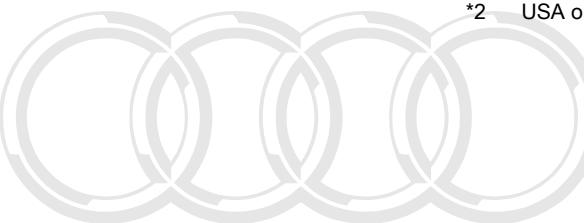
R51 Radio/telephone antenna
R86 Cellular telephone amplifier
R126 Telephone baseplate
T4b 4-pin connector

(373) Ground connection 8 (in main wiring harness)

(391) Ground connection 26 (in main wiring harness)

(713) Ground connection under rear shelf, right

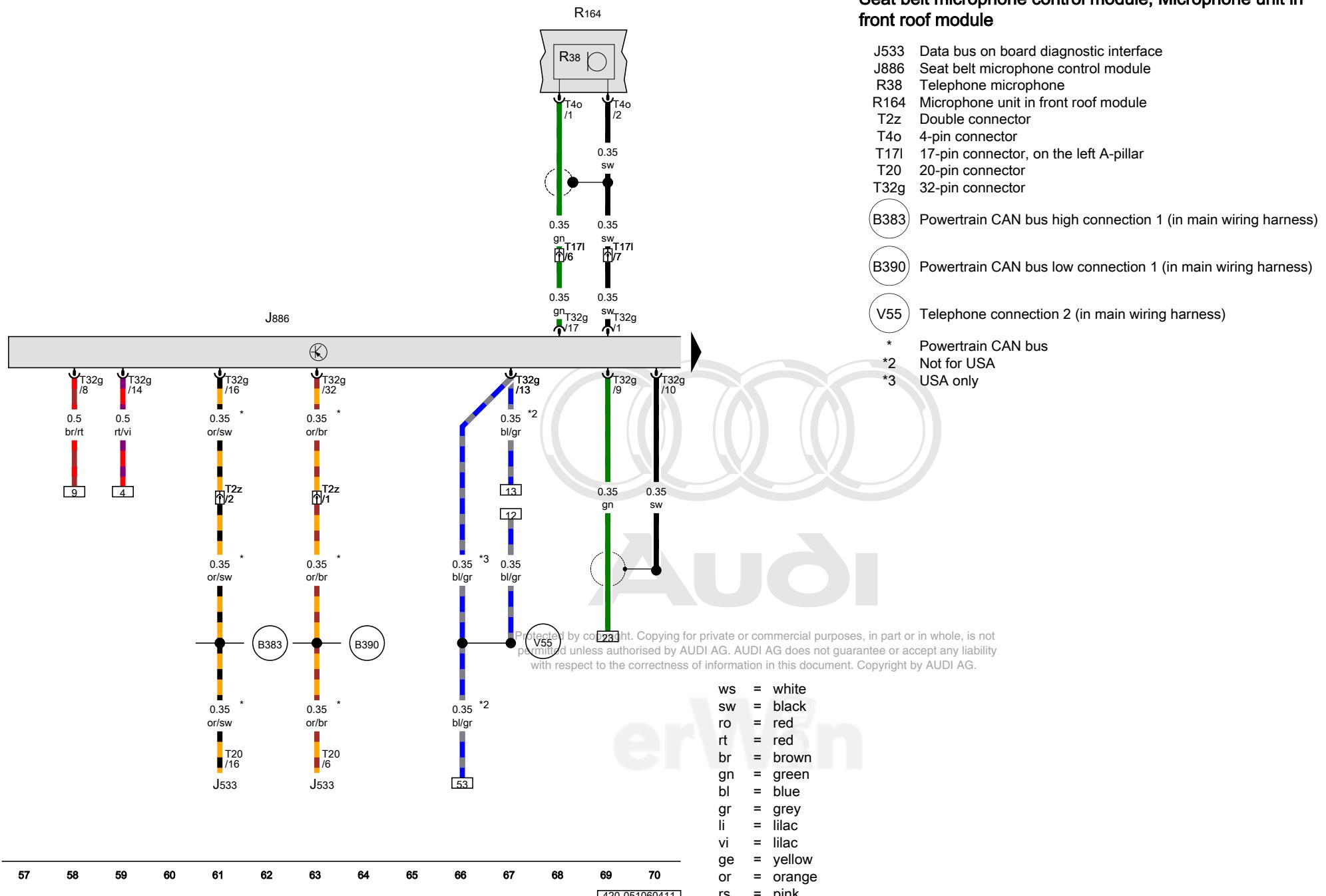
* Not for USA
*2 USA only



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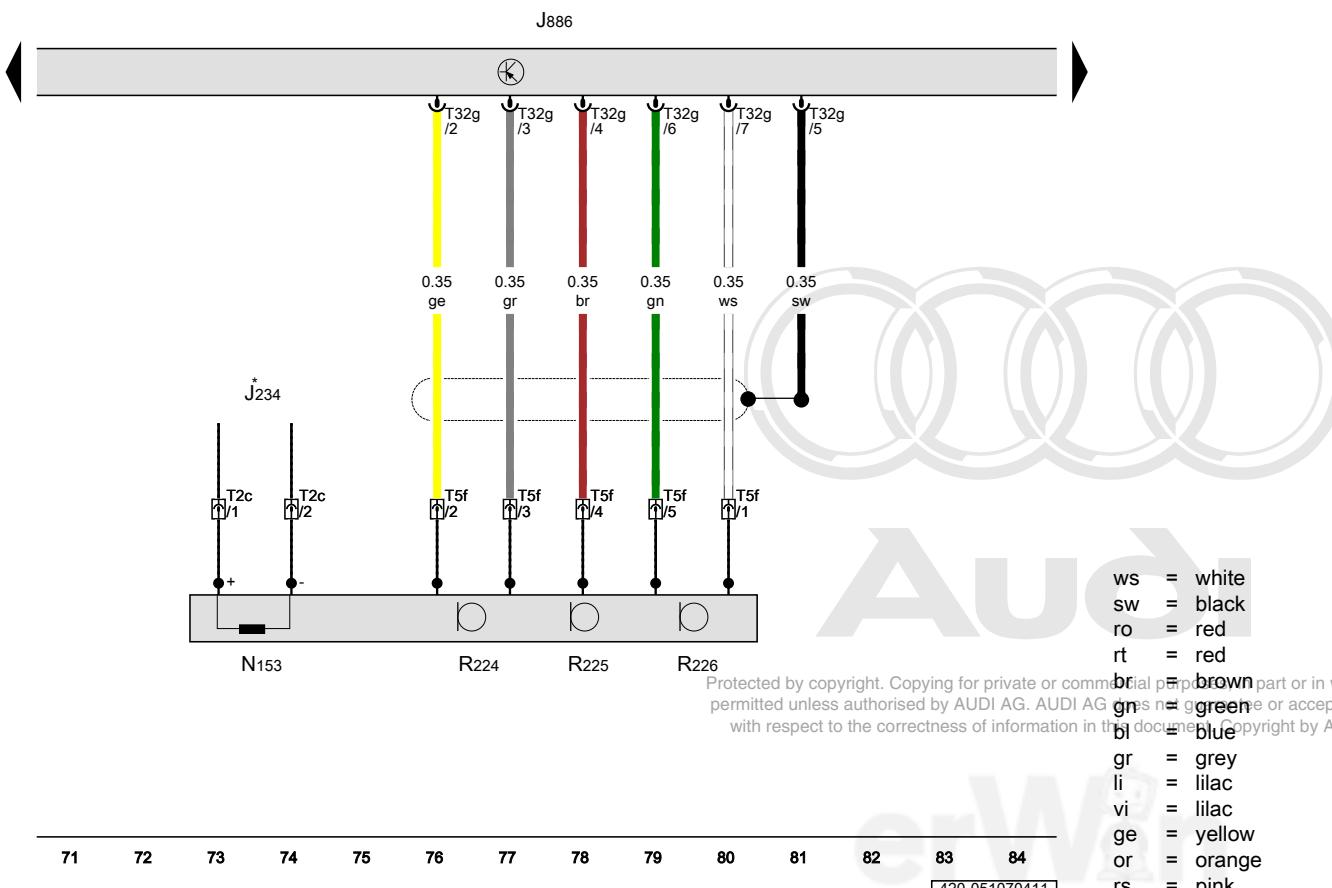
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rt = red
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gr = grey
li = lilac
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ge = yellow
or = orange
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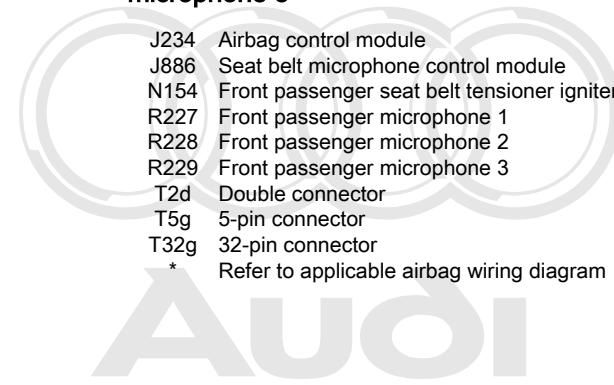
Seat belt microphone control module, Driver seat belt tensioner igniter 1, Driver microphone 1, Driver microphone 2, Driver microphone 3

- J234 Airbag control module
- J886 Seat belt microphone control module
- N153 Driver seat belt tensioner igniter 1
- R224 Driver microphone 1
- R225 Driver microphone 2
- R226 Driver microphone 3
- T2c Double connector
- T5f 5-pin connector
- T32g 32-pin connector
- * Refer to applicable airbag wiring diagram

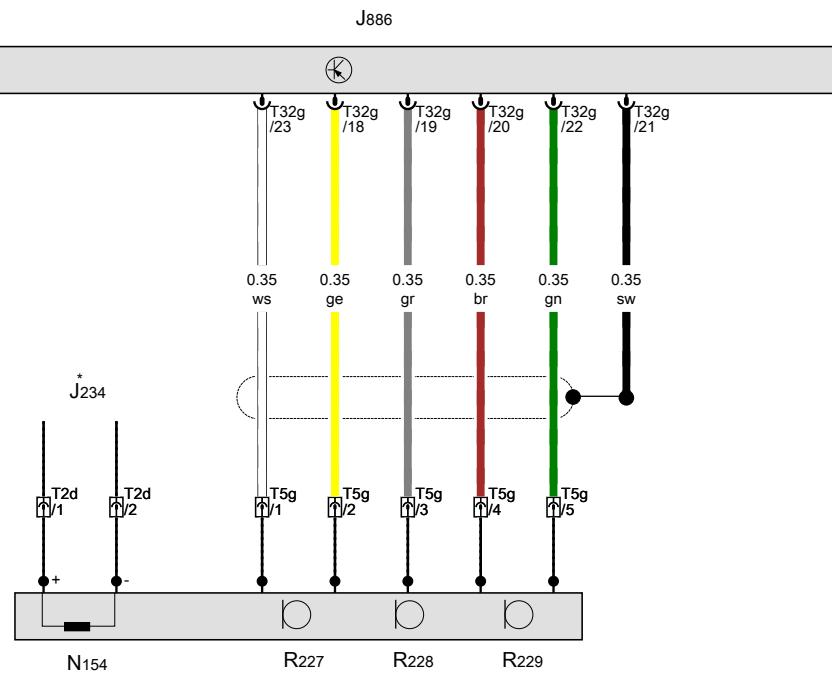


Seat belt microphone control module, Front passenger seat belt tensioner igniter 1, Front passenger microphone 1, Front passenger microphone 2, Front passenger microphone 3

- J234 Airbag control module
- J886 Seat belt microphone control module
- N154 Front passenger seat belt tensioner igniter 1
- R227 Front passenger microphone 1
- R228 Front passenger microphone 2
- R229 Front passenger microphone 3
- T2d Double connector
- T5g 5-pin connector
- T32g 32-pin connector
- * Refer to applicable airbag wiring diagram



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

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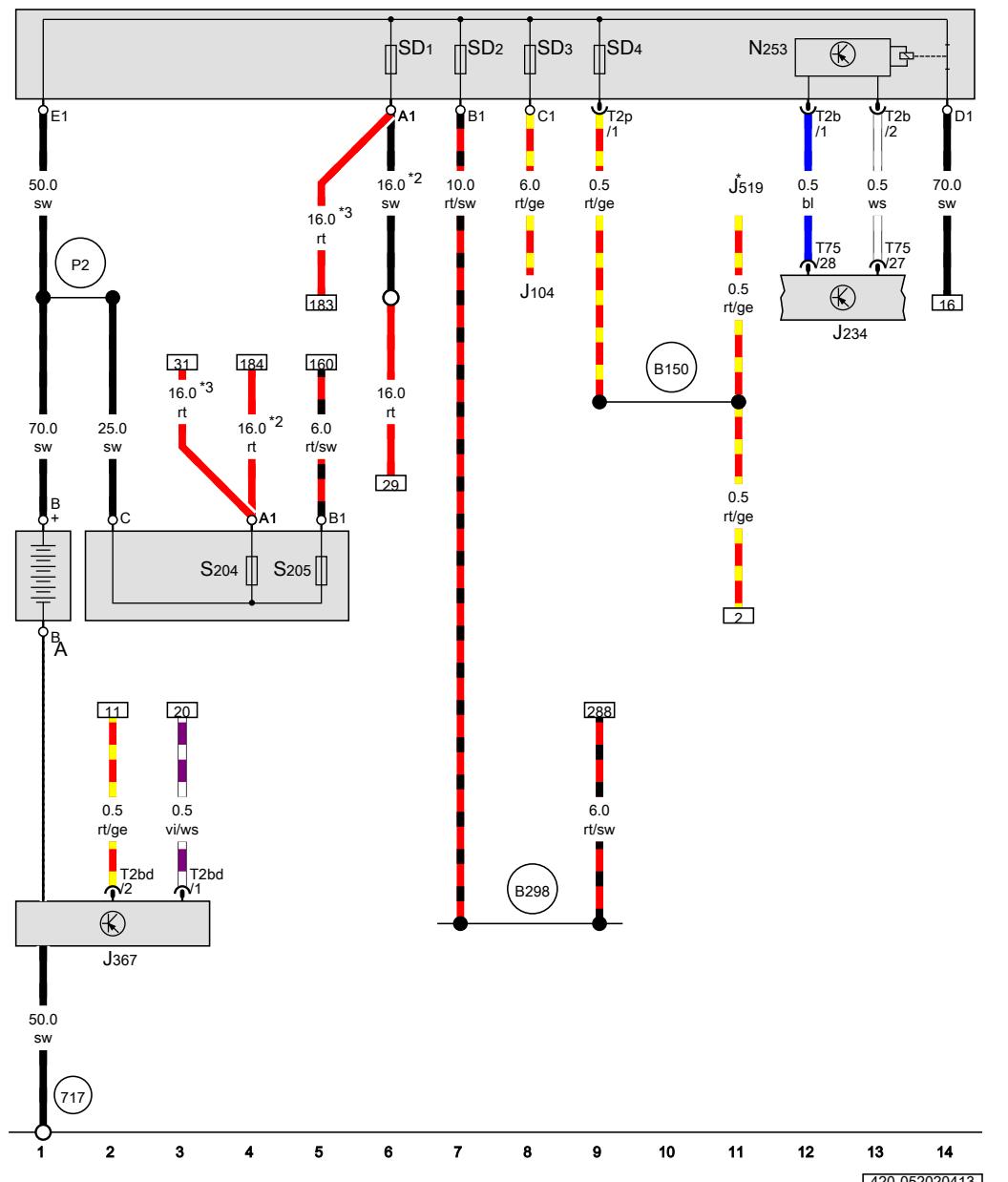
4.2L gasoline engine , CNDA

from September 2010



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Battery interrupt igniter

- A Battery
- J104 ABS control module
- J234 Airbag control module
- J367 Battery monitoring control module
- J519 Vehicle electrical system control module
- N253 Battery interrupt igniter, in the right front footwell
- 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)
- S204 Fuse 1 (terminal 30), in the right front footwell
- S205 Fuse 2 (terminal 30), in the right front footwell
- T2b Double connector
- T2bd Double connector
- T2p Double connector
- T75 75-pin connector

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717 Positive connection 2 (30a) (in interior wiring harness)

B150 Positive connection 2 (30) (in main wiring harness)

B298 Positive connection 2 (30) (in interior wiring harness)

P2 Positive connection (30) (in battery wiring harness)

* Refer to applicable standard equipment wiring diagram

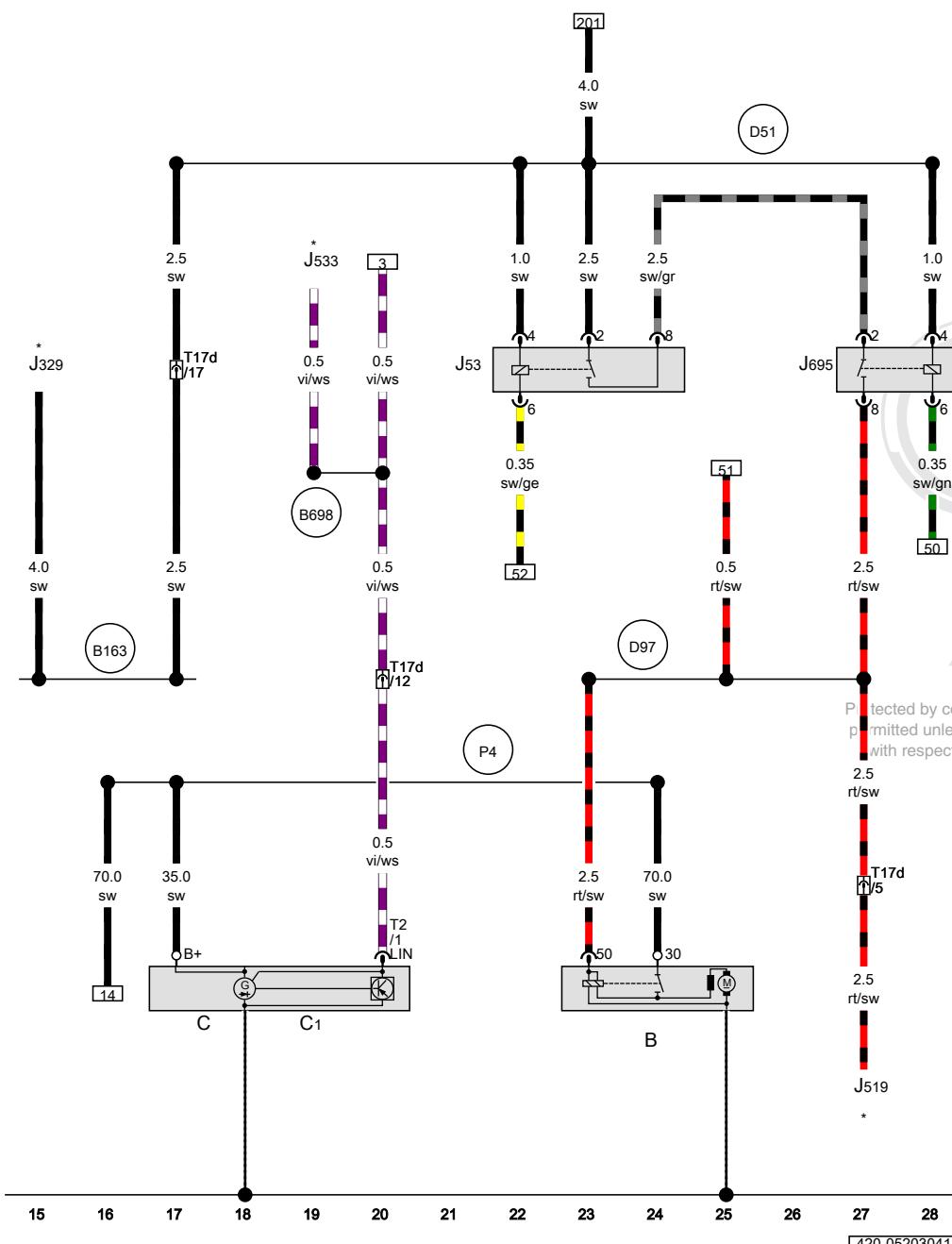
*2 Through October 2011

*3 from November 2011

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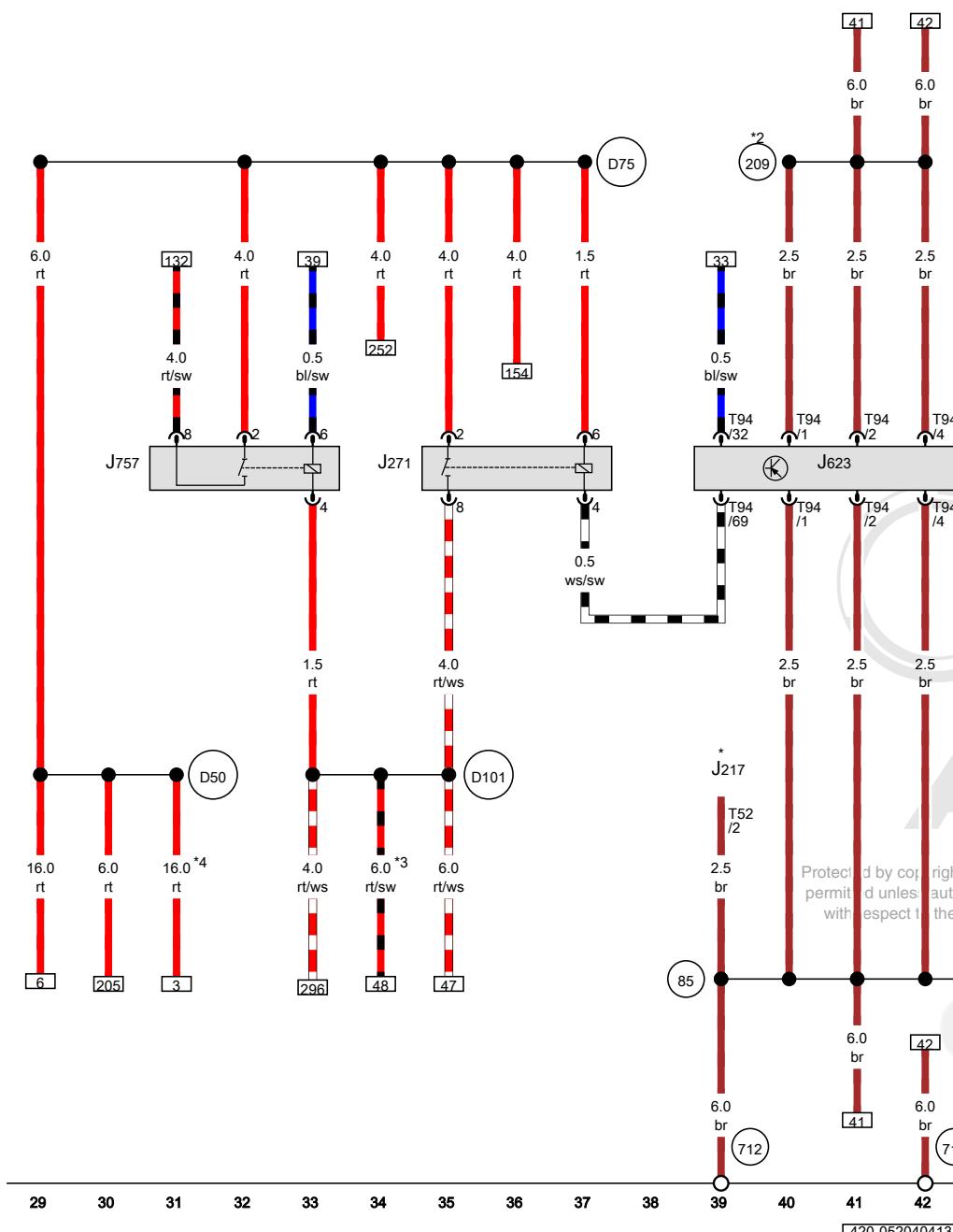
Starter, Generator, Starter relay, Relay 2 for starter



- B Starter
- C Generator
- C1 Voltage regulator
- J53 Starter relay, 9-pin relay and fuse panel C under the rear shelf, right
- J329 Terminal 15 power supply relay
- J519 Vehicle electrical system control module
- J533 Data bus on board diagnostic interface
- J695 Relay 2 for starter, 9-pin relay and fuse panel C under the rear shelf, right
- T2 Double connector
- T17d 17-pin connector, Connector station under the rear shelf, right
- (B163) Positive connection 1 (15) (in interior wiring harness)
- (B698) LIN bus connection 3 (in main wiring harness)
- (D51) Positive connection 1 (15) (in engine compartment wiring harness)
- (D97) Connection 50 (in right engine compartment wiring harness)
- (P4) Positive connection 2 (30) (in battery wiring harness)
- * Refer to applicable standard equipment wiring diagram

ws = white
 sw = black
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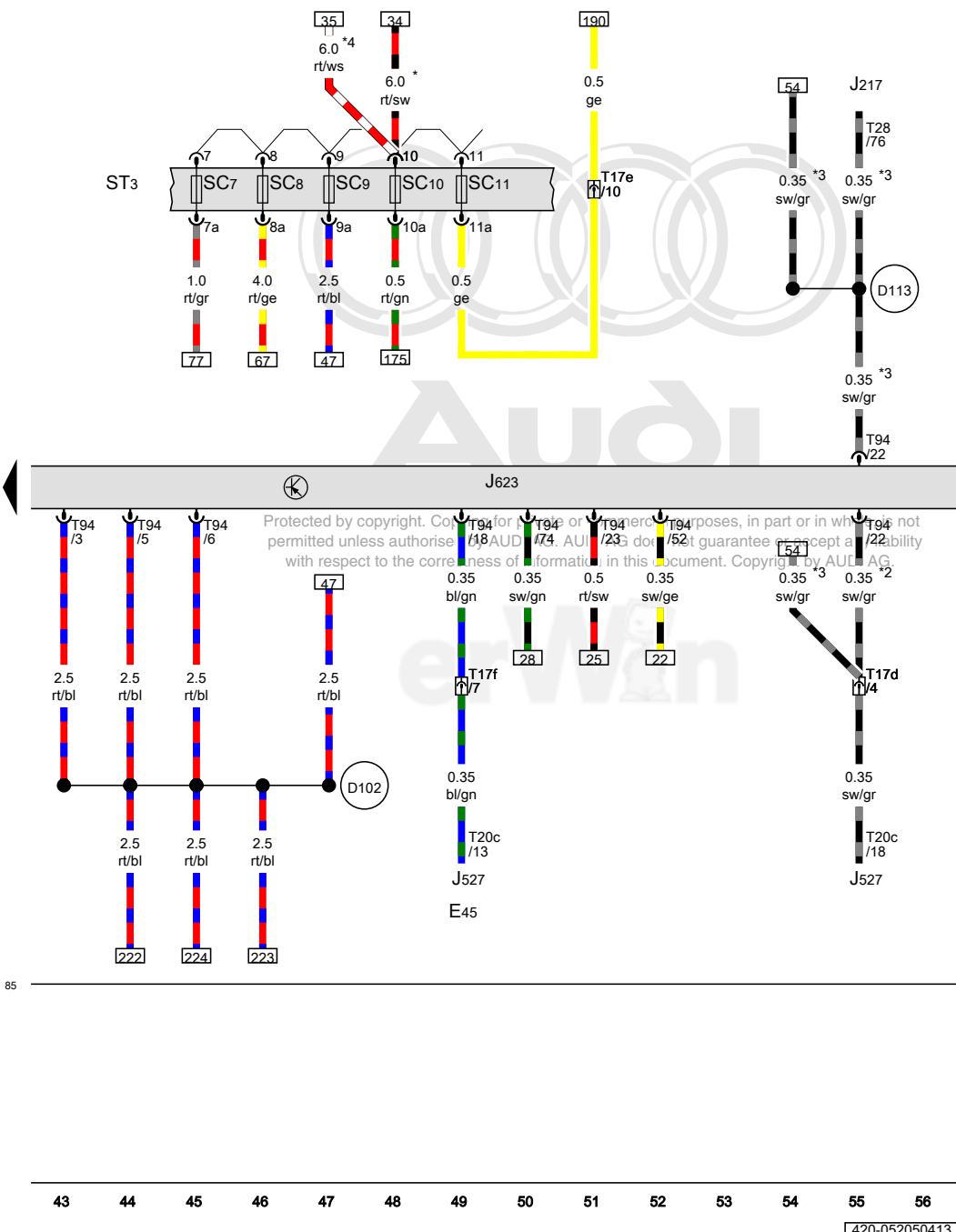
Motronic engine control module power supply relay, Engine control module, Engine component power supply relay



- J217 Transmission control module
- J271 Motronic engine control module power supply relay
- J623 Engine control module
- J757 Engine component power supply relay, 9-pin relay and fuse panel C under the rear shelf, right
- T52 52-pin connector
- T94 94-pin connector
- (85) Ground connection 1 (in engine compartment wiring harness)
- (209) Ground connection 6 (in engine compartment wiring harness)
- (712) Ground connection under rear shelf, left
- (D50) Positive connection (30) (in engine compartment wiring harness)
- (D75) Positive connection 2 (30) (in engine compartment wiring harness)
- (D101) Connection 1 (in engine compartment wiring harness)
- * Only for vehicles with automated manual transmission (R tronic) 086
- *2 Depending on equipment
- *3 Through May 2012
- *4 From November 2011

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


Engine control module

- E45 Cruise control switch
- J217 Transmission control module
- J527 Steering column electronics control module
- J623 Engine 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)
- T17d 17-pin connector, Connector station under the rear shelf, right
- T17e 17-pin connector, Connector station under the rear shelf, right
- T17f 17-pin connector, Connector station under the rear shelf, right
- T20c 20-pin connector
- T28 28-pin connector
- T94 94-pin connector

85 Ground connection 1 (in engine compartment wiring harness)

D102 Connection 2 (in engine compartment wiring harness)

D113 Connection 11 (in engine compartment wiring harness)

* Through May 2012

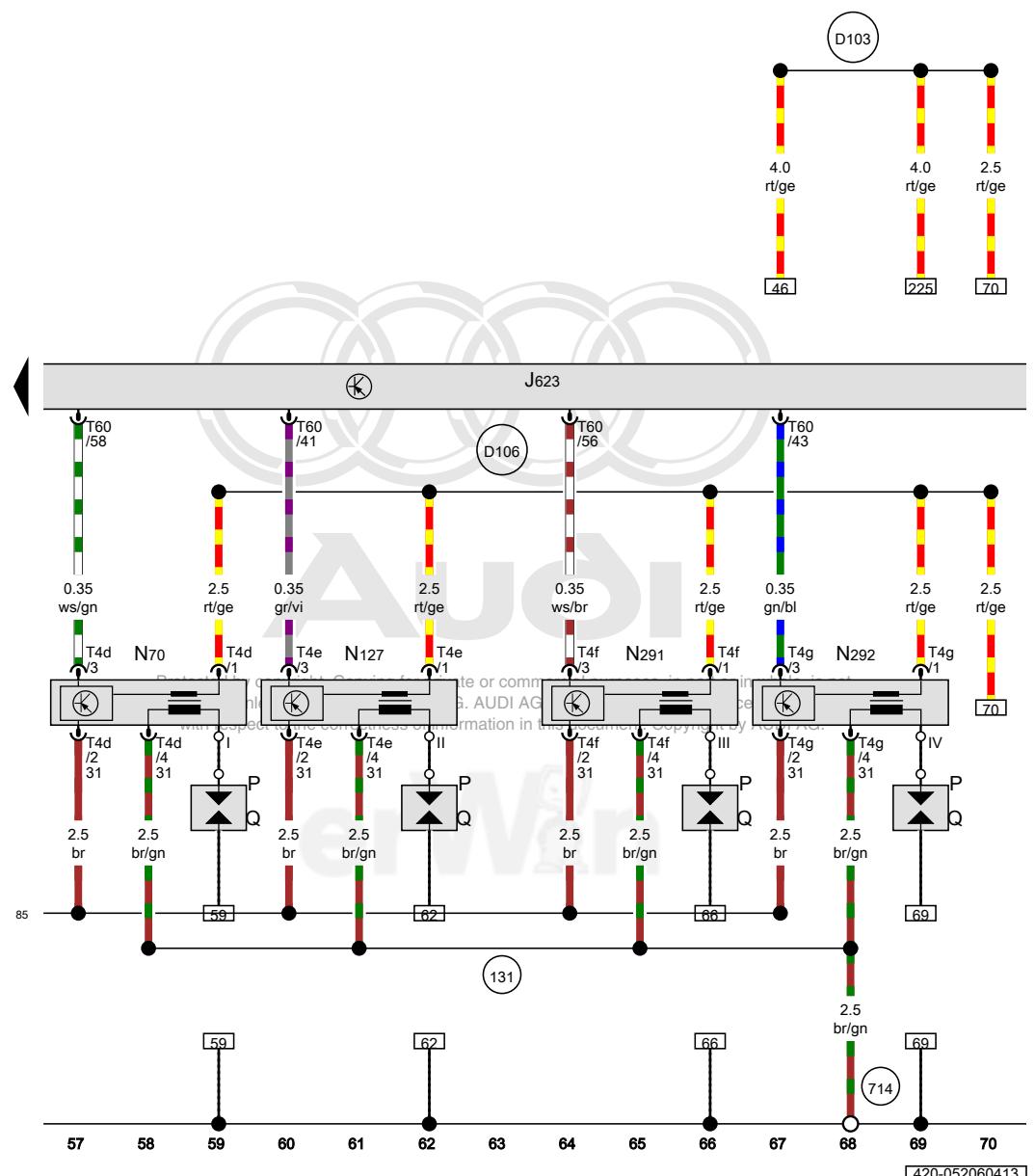
*2 Only for vehicles with a manual transmission

*3 Only for vehicles with automated manual transmission (R tronic)

086

*4 from June 2012

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| ro | = red |
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| gn | = green |
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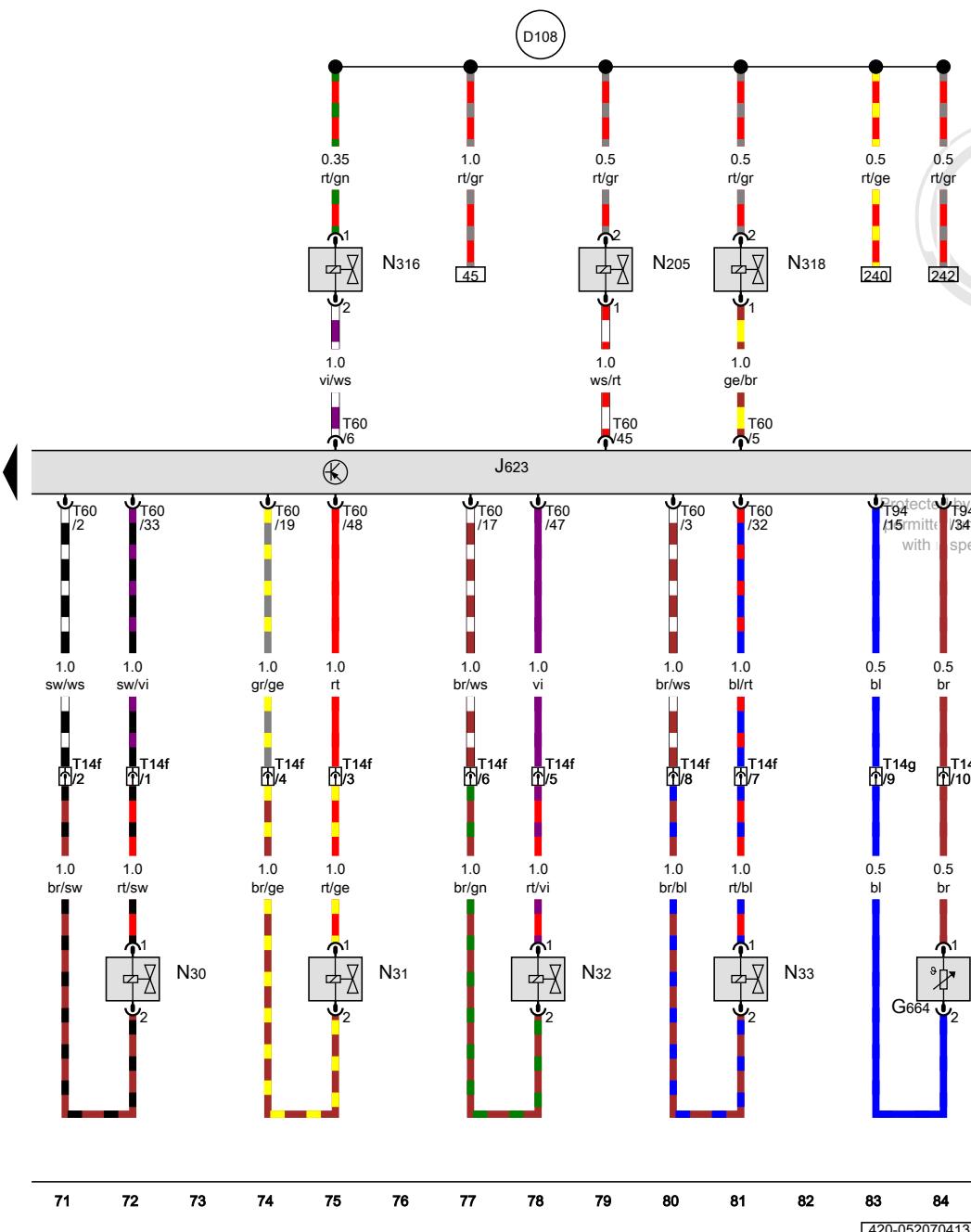


Engine control module, Ignition coil 1 with power output stage, Ignition coil 2 with power output stage, Ignition coil 3 with power output stage, Ignition coil 4 with power output stage

- 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
- T4d 4-pin connector
- T4e 4-pin connector
- T4f 4-pin connector
- T4g 4-pin connector
- T60 60-pin connector
- 85 Ground connection 1 (in engine compartment wiring harness)
- 131 Ground connection 2 (in engine compartment wiring harness)
- 714 Ground connection on engine, right
- D103 Connection 3 (in engine compartment wiring harness)
- D106 Connection 4 (in engine compartment wiring harness)

* from June 2012

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| ws | = white |
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| ro | = red |
| rt | = red |
| br | = brown |
| gn | = green |
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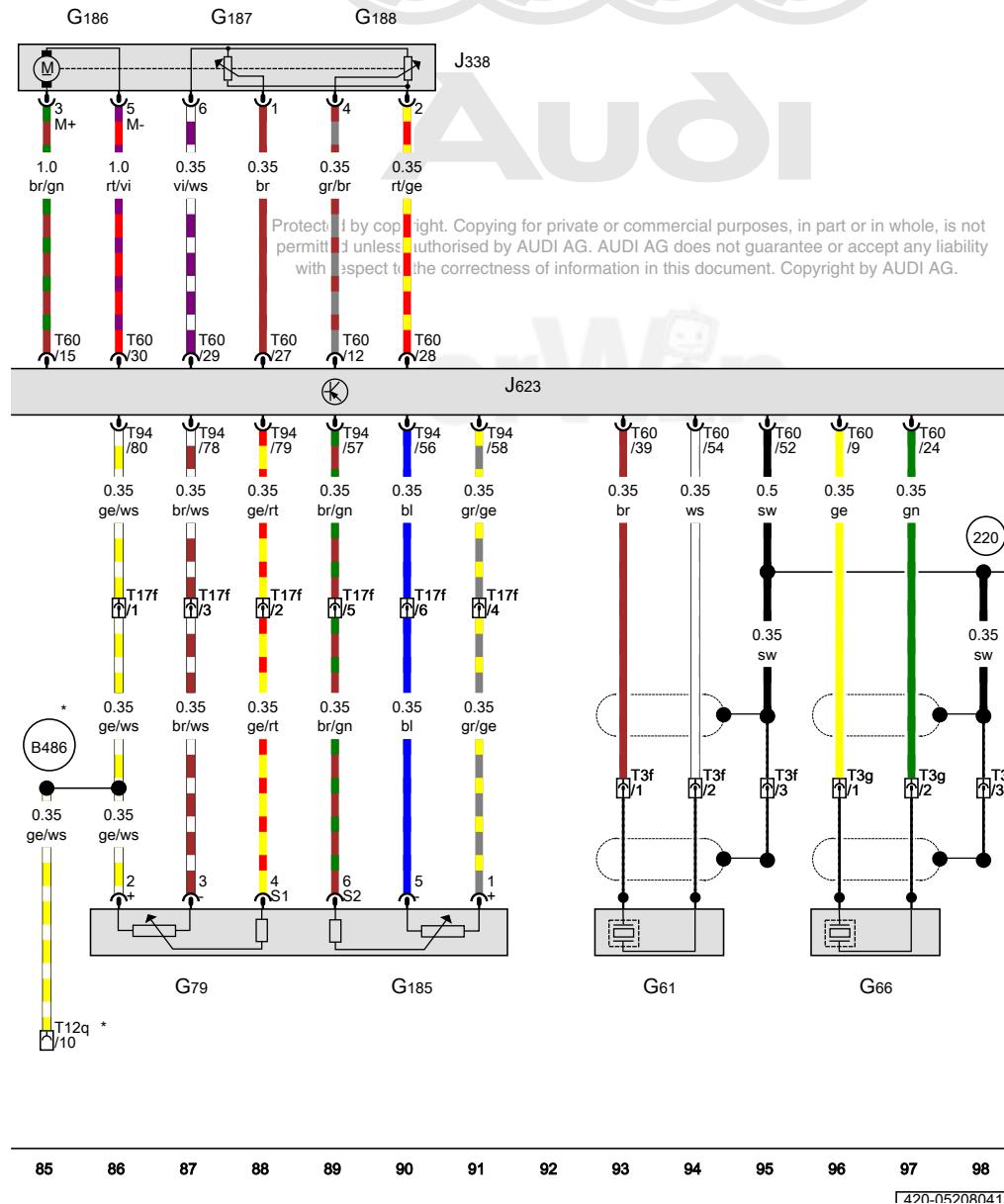
Oil temperature sensor 2, Engine control module, Cylinder 1 fuel injector, Cylinder 2 fuel injector, Cylinder 3 fuel injector, Cylinder 4 fuel injector, Camshaft adjustment valve 1, Intake manifold runner control valve, Exhaust camshaft adjustment valve 1

- G664 Oil temperature sensor 2
- J623 Engine control module
- N30 Cylinder 1 fuel injector
- N31 Cylinder 2 fuel injector
- N32 Cylinder 3 fuel injector
- N33 Cylinder 4 fuel injector
- N205 Camshaft adjustment valve 1
- N316 Intake manifold runner control valve
- N318 Exhaust camshaft adjustment valve 1
- T14f 14-pin connector, in the engine compartment
- T14g 14-pin connector, in the engine compartment
- T60 60-pin connector
- T94 94-pin connector

(D108) Connection 6 (in engine compartment wiring harness)

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



Accelerator pedal position sensor, Throttle valve control module, Engine control module

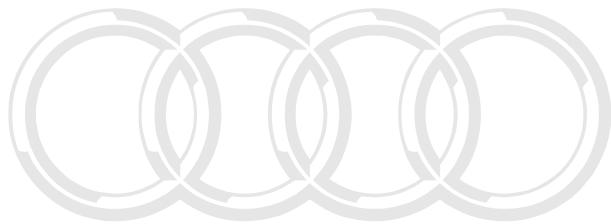
- G61 Knock sensor 1
- G66 Knock sensor 2
- G79 Accelerator pedal position sensor
- G185 Accelerator pedal position sensor 2
- G186 EPC throttle drive
- G187 EPC throttle drive angle sensor 1
- G188 EPC throttle drive angle sensor 2
- J338 Throttle valve control module
- J623 Engine control module
- T3f 3-pin connector
- T3g 3-pin connector
- T12q 12-pin connector
- T17f 17-pin connector, Connector station under the rear shelf, right
- T60 60-pin connector
- T94 94-pin connector

(220) Sensor ground connection (in engine wiring harness)

(B486) Connection 22 (in main wiring harness)

* Only for vehicles with special functions interface

- ws = white
- sw = black
- ro = red
- rt = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- vi = lilac
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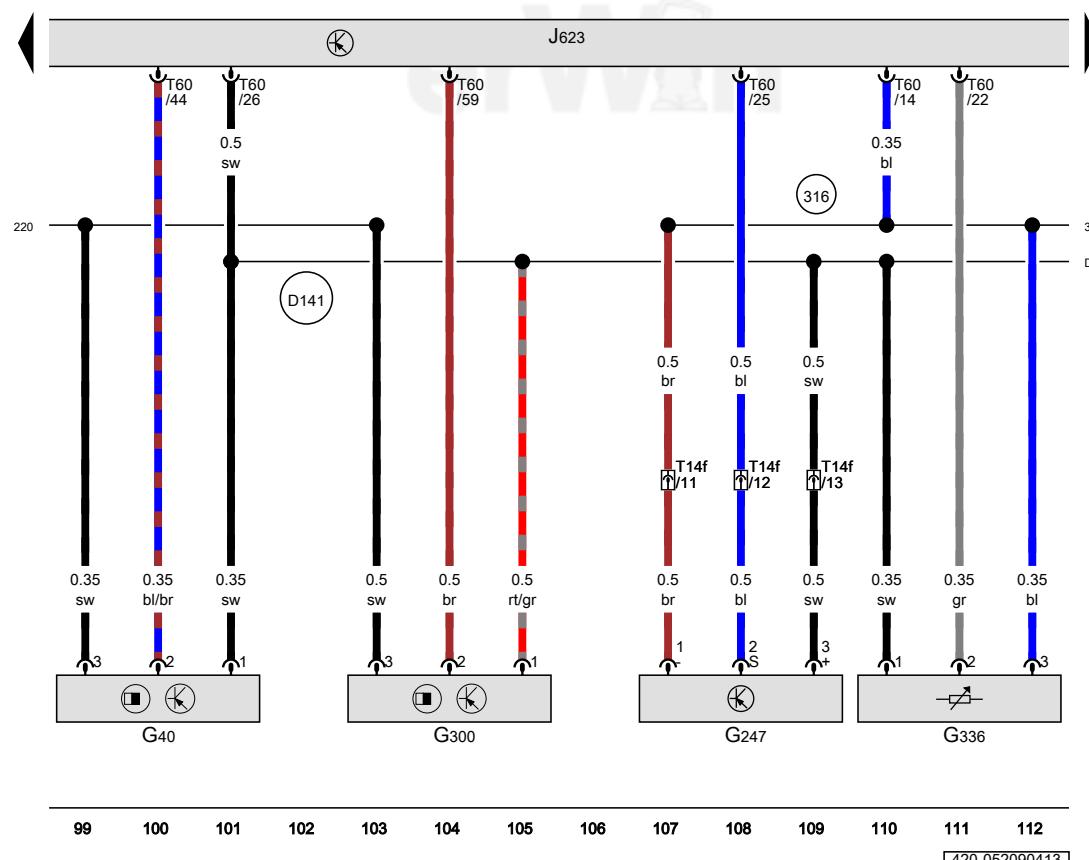
Camshaft position sensor, Fuel pressure sensor, Intake manifold runner position sensor, Engine control module

G40 Camshaft position sensor
 G247 Fuel pressure sensor
 G300 Camshaft position sensor 3
 G336 Intake manifold runner position sensor
 J623 Engine control module
 T14f 14-pin connector, in the engine compartment
 T60 60-pin connector

(220) Sensor ground connection (in engine wiring harness)

(316) Sensor ground connection 2 (in engine wiring harness)

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

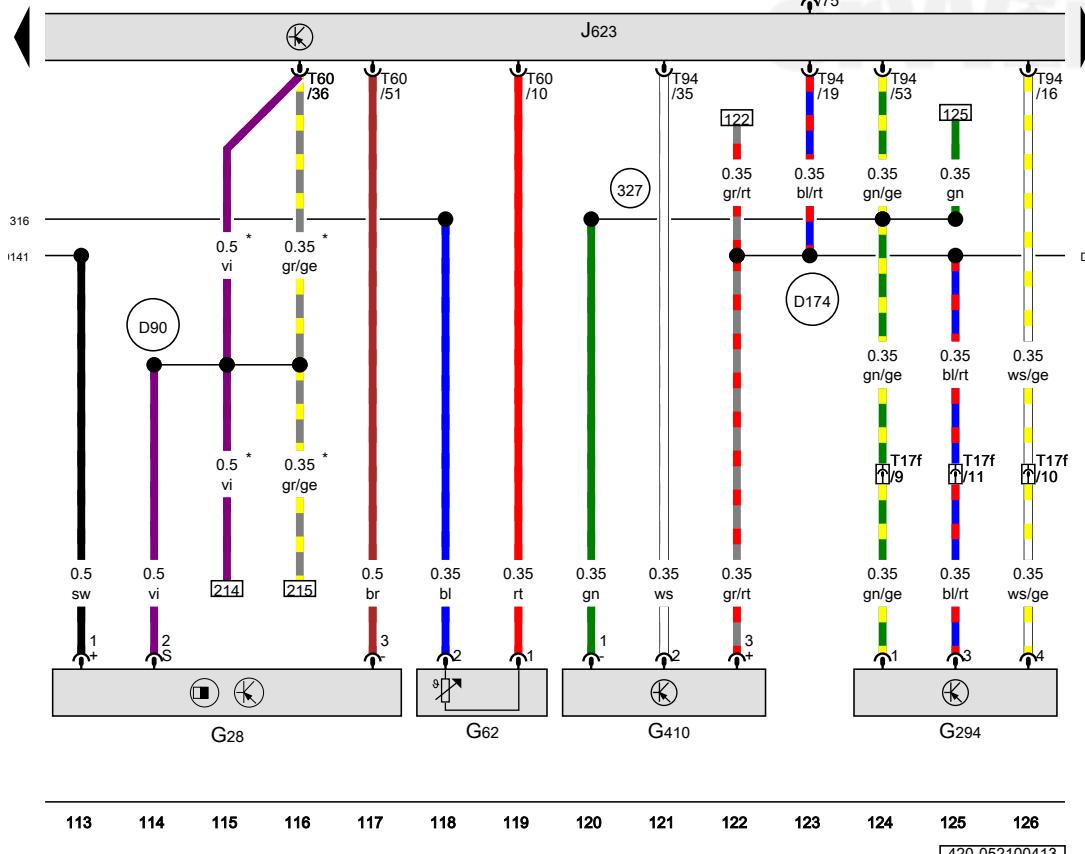


ws = white
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 rt = red
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Engine speed sensor, Engine coolant temperature sensor, Brake booster pressure sensor, Low fuel pressure sensor, Secondary air injection sensor 1, Engine control module

- G28 Engine speed sensor
- G62 Engine coolant temperature sensor
- G294 Brake booster pressure sensor
- G410 Low fuel pressure sensor
- G609 Secondary air injection sensor 1
- J623 Engine control module
- T17f 17-pin connector, Connector station under the rear shelf, right
- T60 60-pin connector
- T94 94-pin connector

(316) Sensor ground connection 2 (in engine wiring harness)

(327) Sensor ground connection (in engine compartment wiring harness)

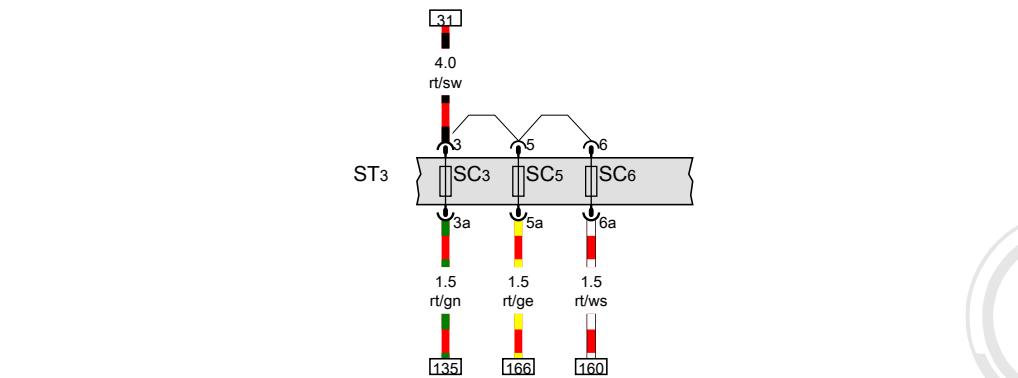
(D90) RPM signal connection (in engine compartment wiring harness)

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

(D174) Connection 5V (in engine pre-wiring harness) 2

* Depending on equipment

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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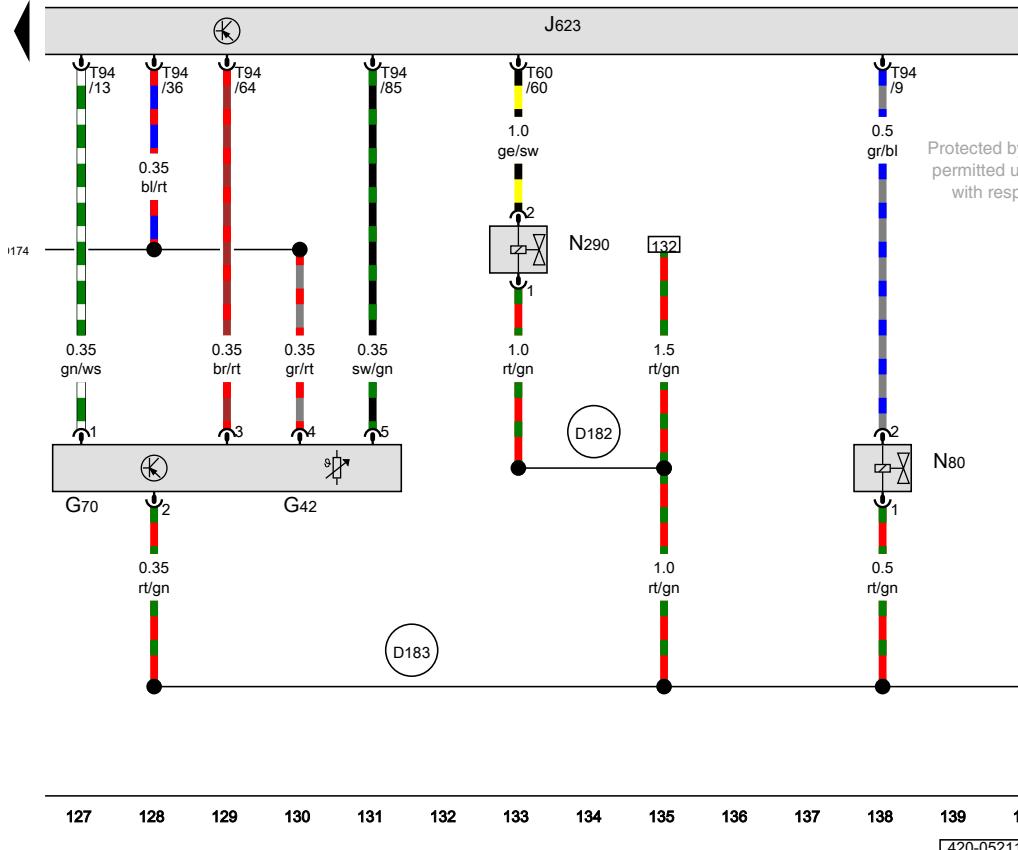
Intake air temperature sensor, Mass airflow sensor, Engine control module, EVAP canister purge regulator valve 1, Fuel metering valve

G42 Intake air temperature sensor
 G70 Mass airflow sensor
 J623 Engine control module
 N80 EVAP canister purge regulator valve 1
 N290 Fuel metering valve
 ST3 Fuse panel 3
 SC3 Fuse 3 (on fuse panel C)
 SC5 Fuse 5 (on fuse panel C)
 SC6 Fuse 6 (on fuse panel C)
 T60 60-pin connector
 T94 94-pin connector

(D174) Connection 5V (in engine pre-wiring harness) 2

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

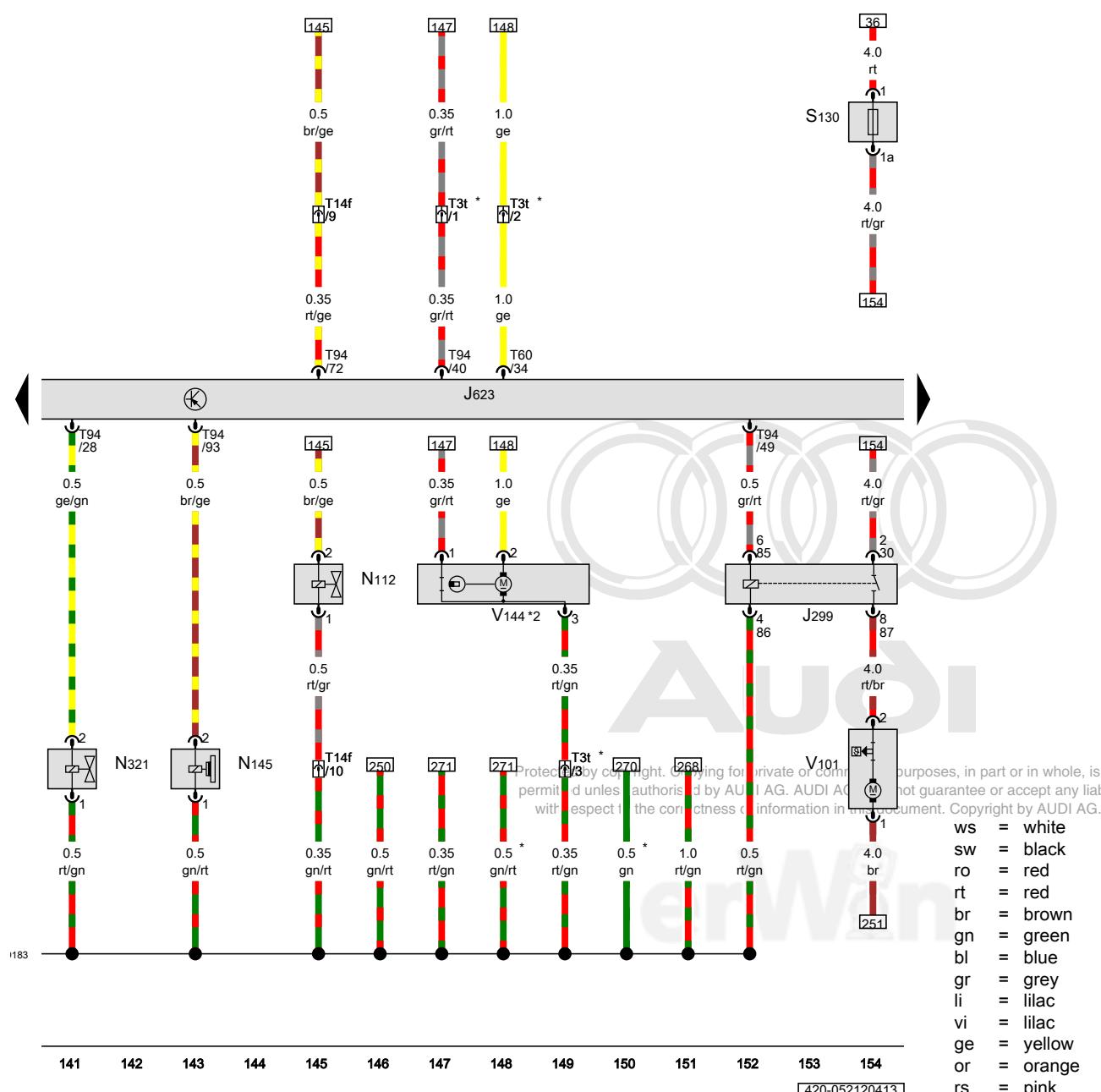
(D183) Connection 87a (in engine compartment wiring harness) 4



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Secondary air injection pump relay, Engine control module, Secondary air injection solenoid valve, Right electrohydraulic engine mount solenoid valve, Exhaust door valve 1, Secondary air injection pump motor

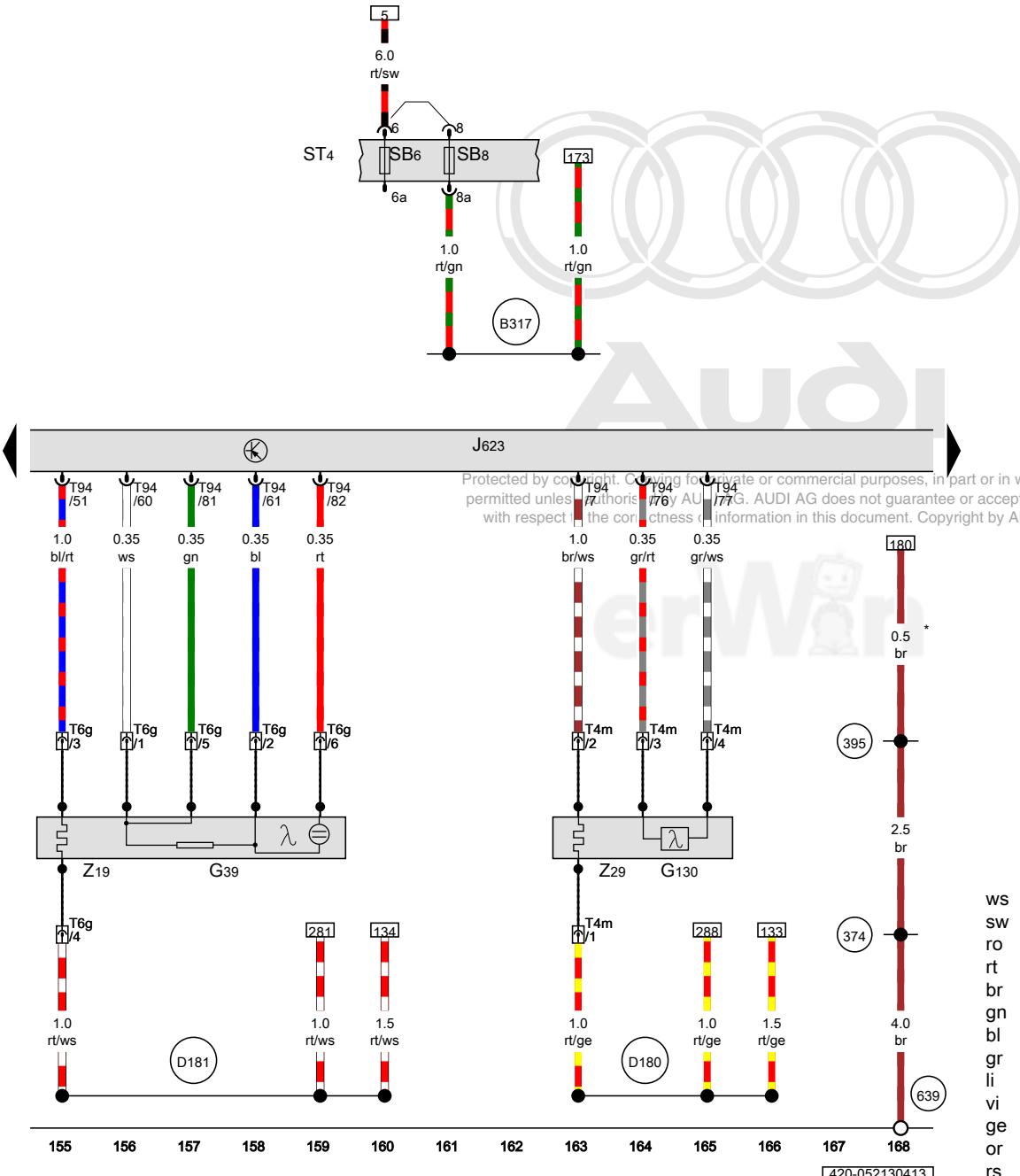
- J299 Secondary air injection pump relay
- J623 Engine control module
- N112 Secondary air injection solenoid valve
- N145 Right electrohydraulic engine mount solenoid valve
- N321 Exhaust door valve 1
- S130 Secondary air injection pump fuse, 9-pin relay and fuse panel C under the rear shelf, right
- T3t 3-pin connector
- T14f 14-pin connector, in the engine compartment
- T60 60-pin connector
- T94 94-pin connector
- V101 Secondary air injection pump motor
- V144 Leak detection pump

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

* Depending on equipment

*2 Only for vehicles with a fuel system diagnostic pump

ws = white
 sw = black
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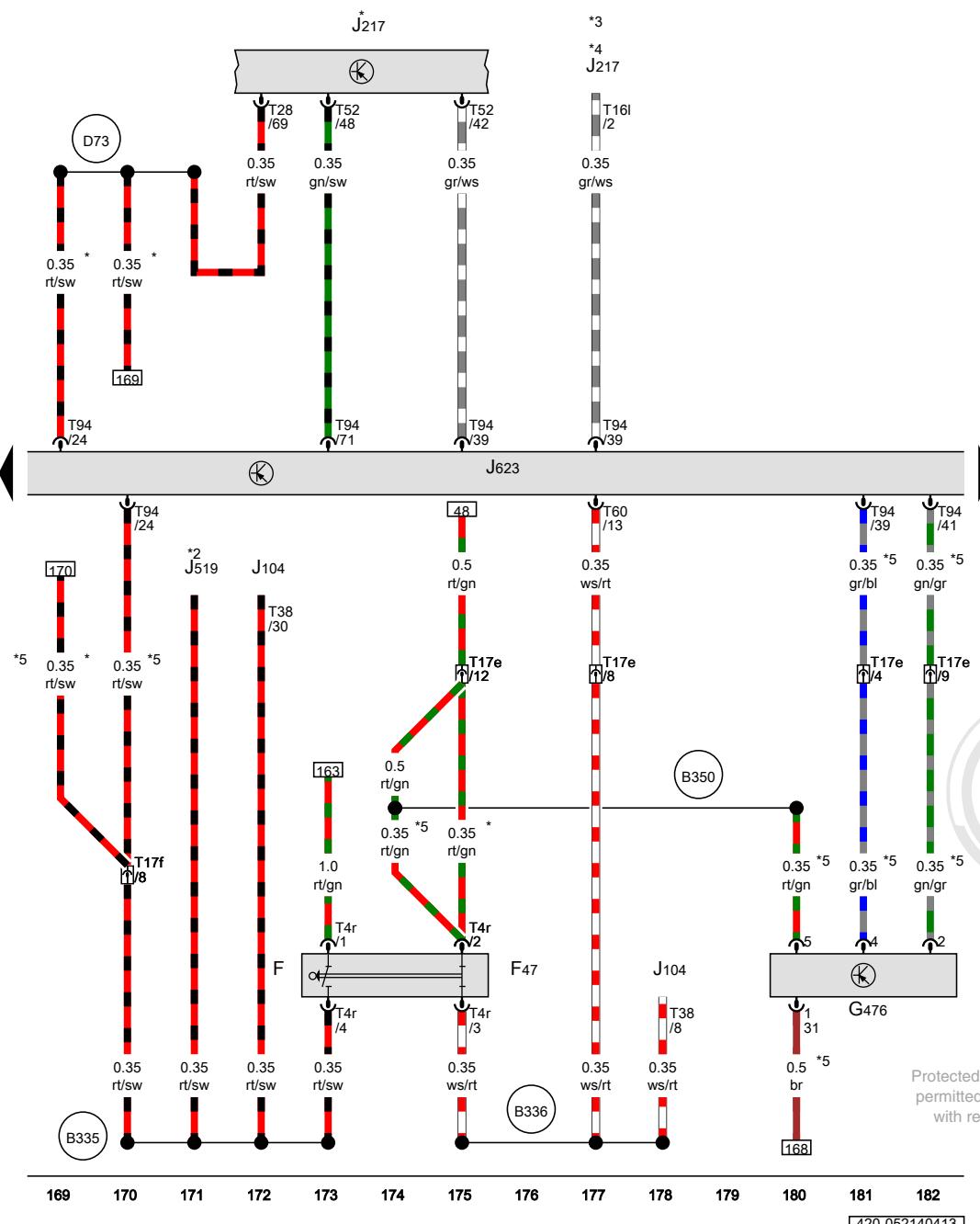


Heated oxygen sensor, Oxygen sensor after three way catalytic converter, Engine control module

- G39 Heated oxygen sensor
- G130 Oxygen sensor after three way catalytic converter
- J623 Engine control module
- ST4 Fuse panel 4
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- T4m 4-pin connector
- T6g 6-pin connector
- T94 94-pin connector
- Z19 Oxygen sensor heater
- Z29 Heater for oxygen sensor 1 after catalytic converter
- 374 Ground connection 9 (in main wiring harness)
- 395 Ground connection 30 (in main wiring harness)
- 639 Ground connection on left A-pillar
- B317 Positive connection 3 (30a) (in main wiring harness)
- D180 Connection 87a (in engine compartment wiring harness)
- D181 Connection 87a (in engine compartment wiring harness) 2

* Only for vehicles with a manual transmission

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



Brake pedal switch, Clutch position sensor, Engine control module

- F Brake lamp switch
- F47 Brake pedal switch
- G476 Clutch position sensor
- J104 ABS control module
- J217 Transmission control module
- J519 Vehicle electrical system control module
- J623 Engine control module
- T4r 4-pin connector
- T16l 16-pin connector
- T17e 17-pin connector, Connector station under the rear shelf, right
- T17f 17-pin connector, Connector station under the rear shelf, right
- T28 28-pin connector
- T38 38-pin connector
- T52 52-pin connector
- T60 60-pin connector
- T94 94-pin connector

B335 Connection 54 (in main wiring harness) 1

B336 Connection 54 (in main wiring harness) 2

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

D73 Positive connection (54) (in engine compartment wiring harness)

* Only for vehicles with automated manual transmission (R tronic) 086

*2 Refer to applicable standard equipment wiring diagram

*3 Refer to applicable transmission wiring diagram

*4 Depending on equipment

*5 Only for vehicles with a manual transmission

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sw = black

ro = red

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br = brown

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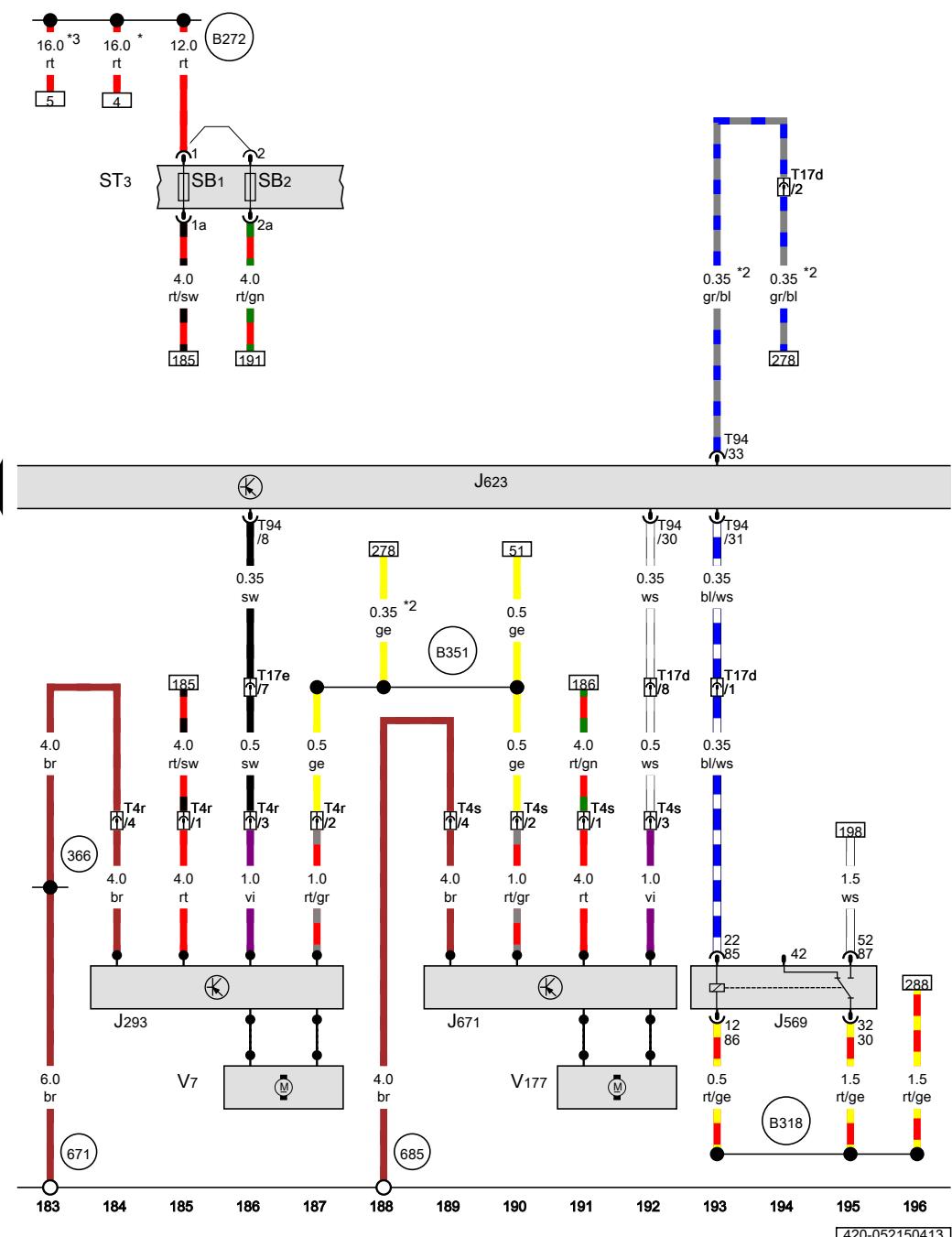
vi = lilac

ge = yellow

or = orange

rs = pink

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Coolant fan control module, Brake booster relay, Engine control module, Coolant fan

- J293 Coolant fan control module
- J569 Brake booster relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell
- J623 Engine control module
- J671 Coolant fan control module 2
- SB1 Fuse 1 (on fuse panel B)
- SB2 Fuse 2 (on fuse panel B)
- ST3 Fuse panel 3
- T4r 4-pin connector, on the coolant fan
- T4s 4-pin connector, on the coolant fan
- T17d 17-pin connector, Connector station under the rear shelf, right
- T17e 17-pin connector, Connector station under the rear shelf, right
- T94 94-pin connector
- V7 Coolant fan
- V177 Coolant fan 2

366 Ground connection 1 (in main wiring harness)

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671 Ground connection 1 on left front longitudinal member

685 Ground connection 1 on right front longitudinal member

B272 Positive connection (30) (in main wiring harness)

B318 Positive connection 4 (30a) (in main wiring harness)

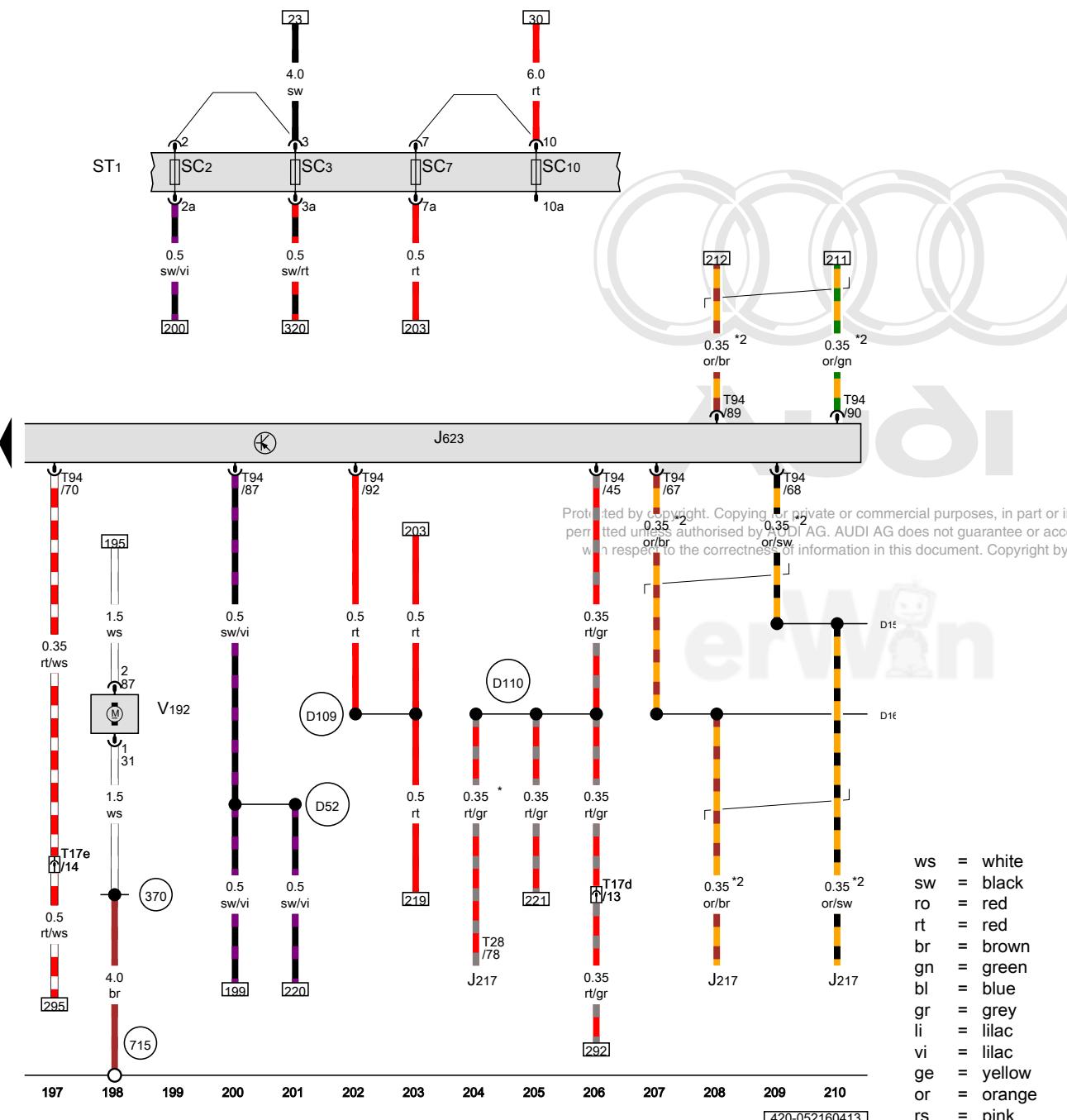
B351 Positive connection 2 (87a) (in main wiring harness)

* Through October 2011

*2 Version for hot climates

*3 from November 2011

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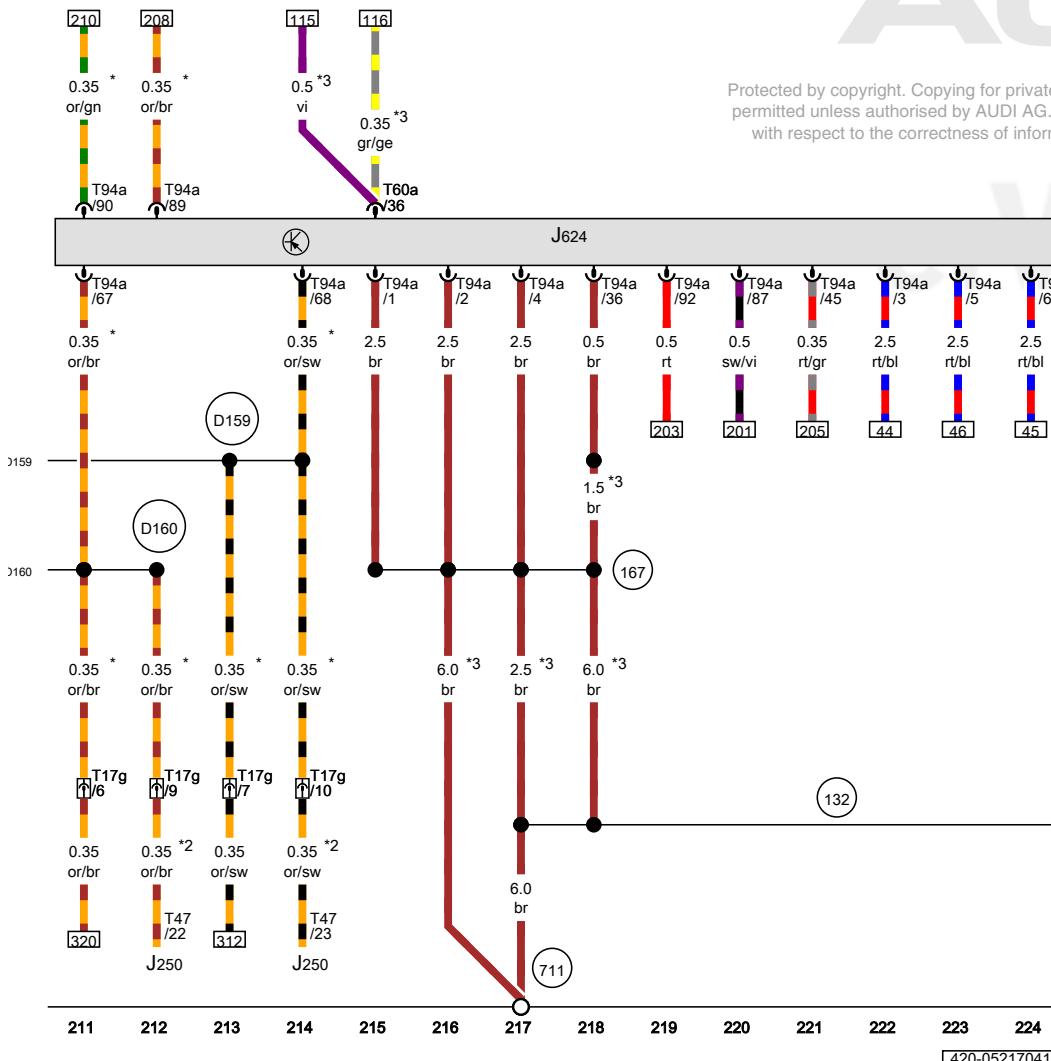

Engine control module, Brake system vacuum pump

- J217 Transmission control module
 - J623 Engine control module
 - ST1 Fuse panel 1
 - SC2 Fuse 2 (on fuse panel C)
 - SC3 Fuse 3 (on fuse panel C)
 - SC7 Fuse 7 (on fuse panel C)
 - SC10 Fuse 10 (on fuse panel C)
 - T17d 17-pin connector, Connector station under the rear shelf, right
 - T17e 17-pin connector, Connector station under the rear shelf, left
 - T28 28-pin connector
 - T94 94-pin connector
 - V192 Brake system vacuum pump
 - 370 Ground connection 5 (in main wiring harness)
 - 715 Ground connection on left crossmember
 - D52 Positive connection (15a) (in engine compartment wiring harness)
 - D109 Connection 7 (in engine compartment wiring harness)
 - D110 Connection 8 (in engine compartment 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 automated manual transmission (R tronic)
086
- *² Data bus wire (CAN bus)

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| gn | = green |
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| gr | = grey |
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| or | = orange |
| rs | = pink |



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Engine control module 2

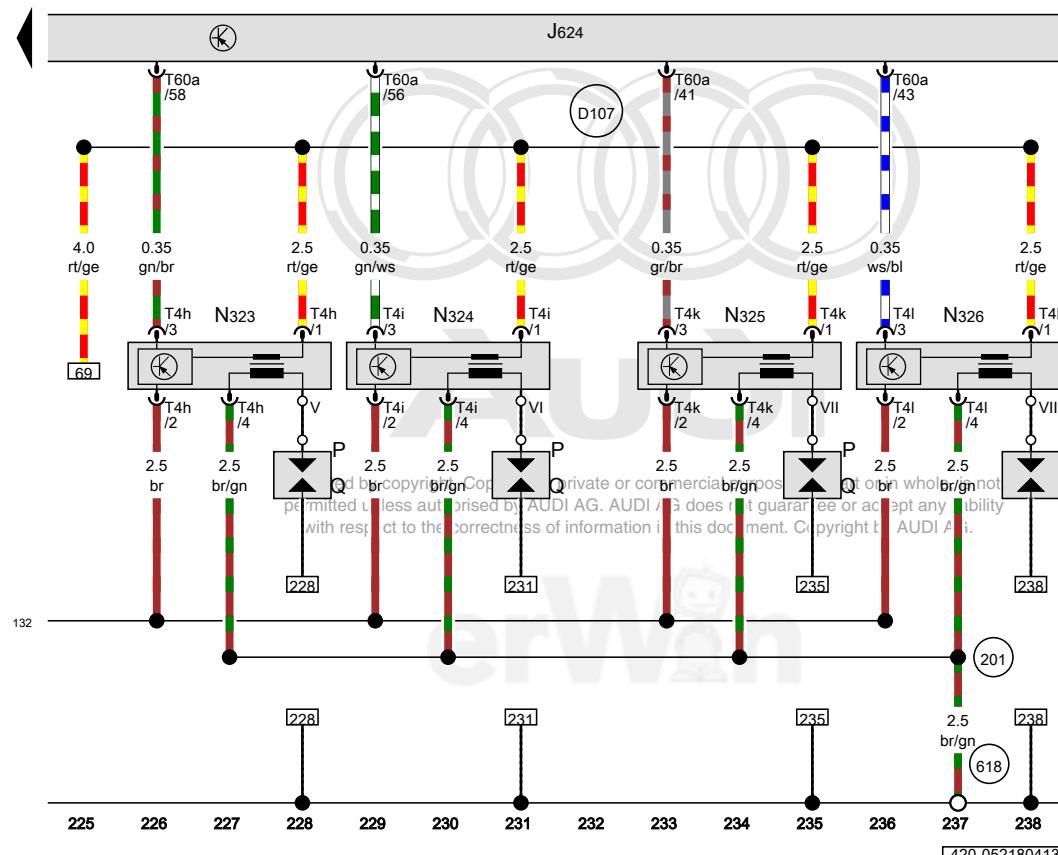
- J250 Electronic damping control module
- J624 Engine control module 2
- T17g 17-pin connector, Connector station under the rear shelf, right
- T47 47-pin connector
- T60a 60-pin connector
- T94a 94-pin connector
- (132) Ground connection 3 (in engine compartment wiring harness)
- (167) Ground connection 4 (in engine compartment wiring harness)
- (711) Ground connection 3 on left rear chassis side member
- (D159) High bus connection (in engine compartment wiring harness)
- (D160) Low bus positive connection (in engine compartment wiring harness)
- * Data bus wire (CAN bus)
- *² Only for vehicles with electronic damping
- *³ Depending on 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 |

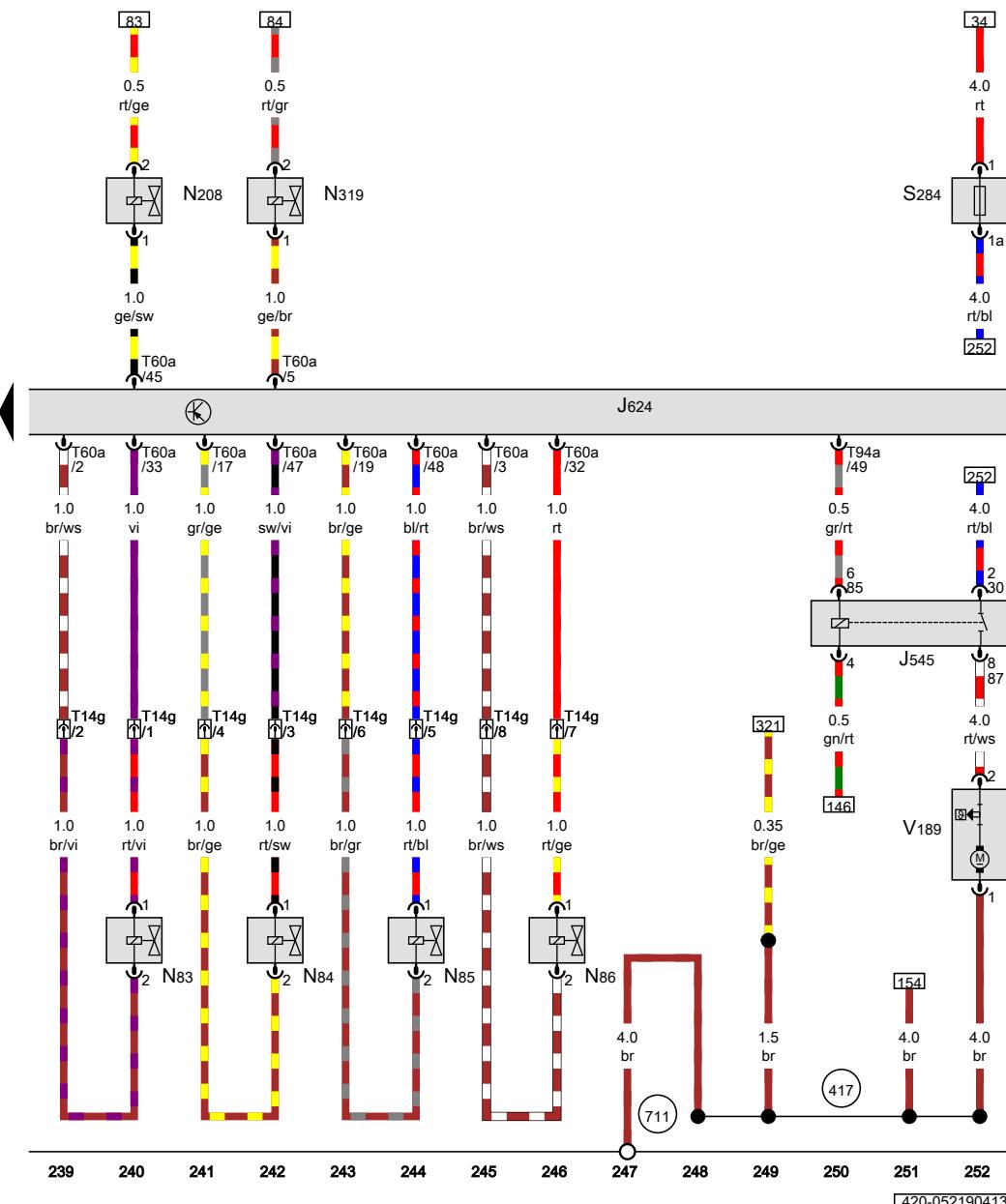
F470-0521704131

Engine control module 2, Ignition coil 5 with power output stage, Ignition coil 6 with power output stage, Ignition coil 7 with power output stage, Ignition coil 8 with power output stage

- J624 Engine control module 2
- N323 Ignition coil 5 with power output stage
- N324 Ignition coil 6 with power output stage
- N325 Ignition coil 7 with power output stage
- N326 Ignition coil 8 with power output stage
- P Spark plug connectors
- Q Spark plugs
- T4h 4-pin connector
- T4i 4-pin connector
- T4k 4-pin connector
- T4l 4-pin connector
- T60a 60-pin connector
- 132 Ground connection 3 (in engine compartment wiring harness)
- 201 Ground connection 5 (in engine compartment wiring harness)
- 618 Ground connection on engine, left
- D107 Connection 5 (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



Secondary air injection pump relay 2, Engine control module 2, Cylinder 5 fuel injector, Cylinder 6 fuel injector, Cylinder 7 fuel injector, Cylinder 8 fuel injector, Camshaft adjustment valve 2, Exhaust camshaft adjustment valve 2, Secondary air injection pump motor 2

J545 Secondary air injection pump relay 2

J624 Engine control module 2

N83 Cylinder 5 fuel injector

N84 Cylinder 6 fuel injector

N85 Cylinder 7 fuel injector

N86 Cylinder 8 fuel injector

N208 Camshaft adjustment valve 2

N319 Exhaust camshaft adjustment valve 2

S284 Secondary air injection pump fuse 2

T14g 14-pin connector, in the engine compartment

T60a 60-pin connector

T94a 94-pin connector

V189 Secondary air injection pump motor 2

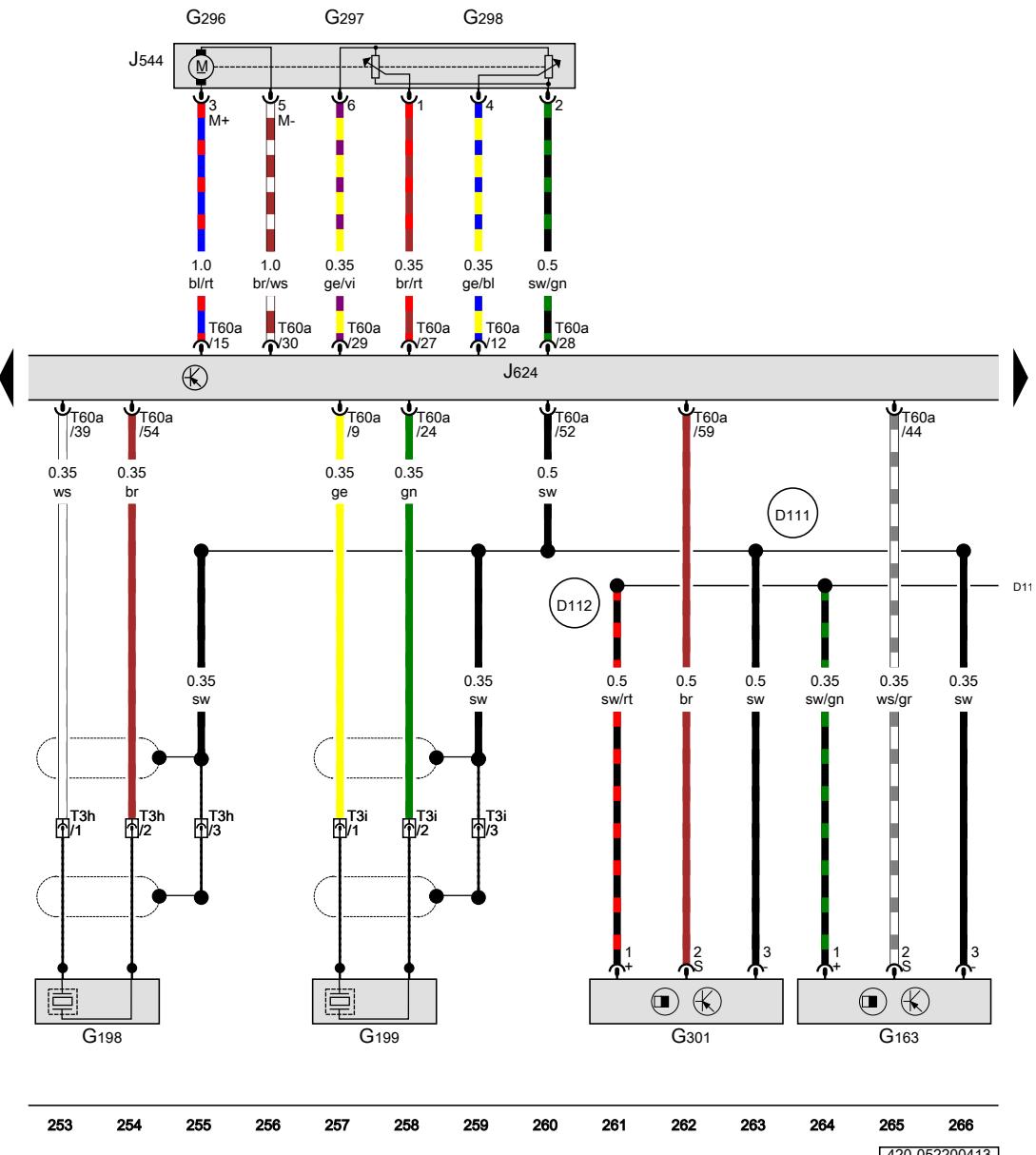
417 Ground connection 9 (in engine compartment wiring harness)

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711 Ground connection 3 on left rear chassis side member

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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

Camshaft position sensor 2, Knock sensor 3, Knock sensor 4, Camshaft position sensor 4, Throttle valve control module 2, Engine control module 2



G163 Camshaft position sensor 2

G198 Knock sensor 3

G199 Knock sensor 4

G296 Throttle drive 2

G297 Throttle drive 2 angle sensor 1

G298 Throttle drive 2 angle sensor 2

G301 Camshaft position sensor 4

J544 Throttle valve control module 2

J624 Engine control module 2

T3h 3-pin connector, on the knock sensor 3

T3i 3-pin connector, on the knock sensor 4

T60a 60-pin connector

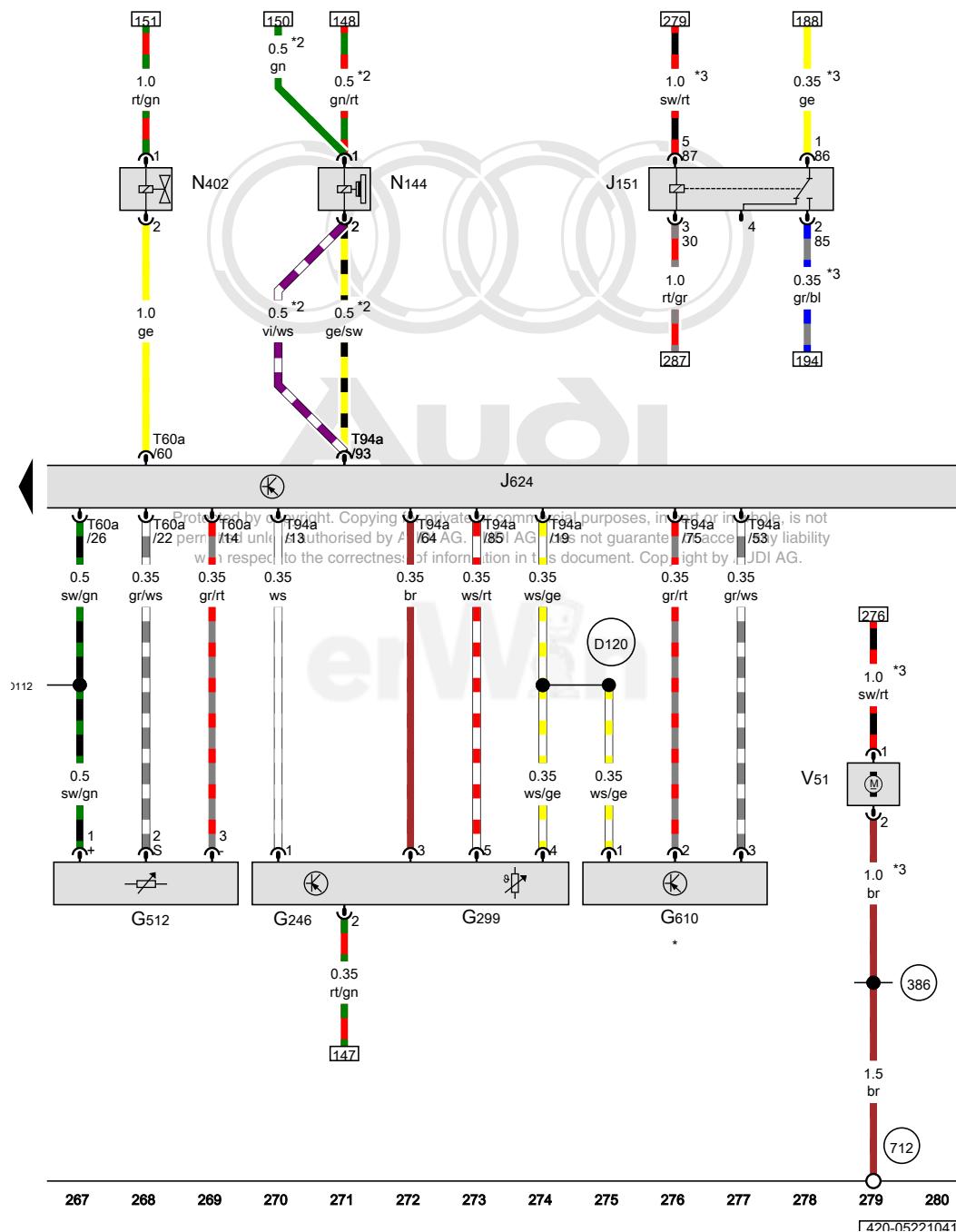
(D111) Connection 9 (in engine compartment wiring harness)

(D112) Connection 10 (in engine compartment wiring harness)



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Mass airflow sensor 2, Intake manifold runner position sensor 2, Secondary air injection sensor 2, Coolant circulation pump relay, Engine control module 2, Left electrohydraulic engine mount solenoid valve, Fuel metering valve 2

G246 Mass airflow sensor 2
 G299 Intake air temperature sensor 2
 G512 Intake manifold runner position sensor 2
 G610 Secondary air injection sensor 2
 J151 Coolant circulation pump relay
 J624 Engine control module 2
 N144 Left electrohydraulic engine mount solenoid valve
 N402 Fuel metering valve 2
 T60a 60-pin connector
 T94a 94-pin connector
 V51 After-run coolant pump

386 Ground connection 21 (in main wiring harness)

712 Ground connection under rear shelf, left

D112 Connection 10 (in engine compartment wiring harness)

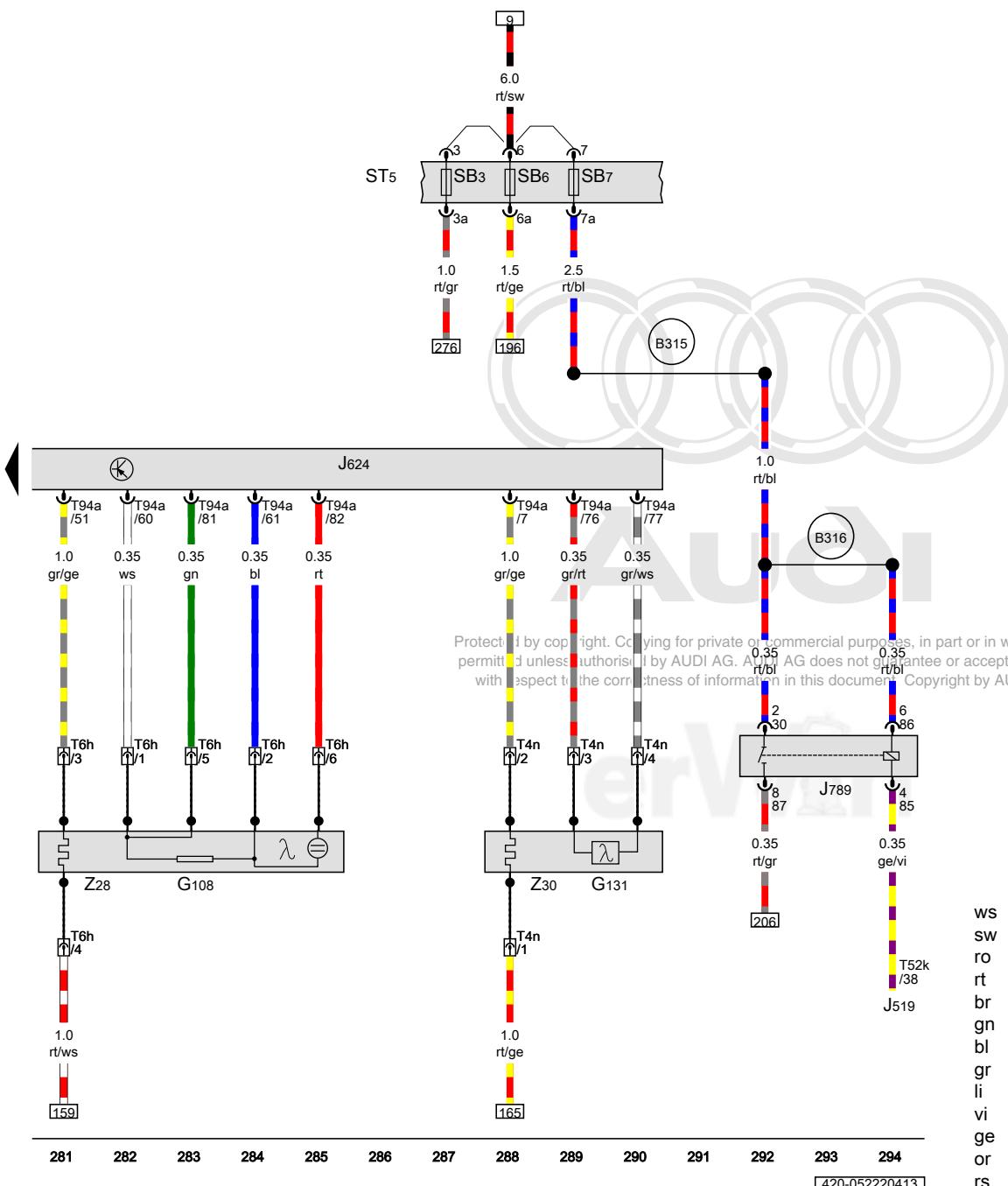
D120 Connection 18 (in engine compartment wiring harness)

* USA only

*2 Depending on equipment

*3 Version for hot climates

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


Heated oxygen sensor 2, Oxygen sensor 2 after catalytic converter, Engine control module 2, Control relay

G108 Heated oxygen sensor 2
 G131 Oxygen sensor 2 after catalytic converter
 J519 Vehicle electrical system control module
 J624 Engine control module 2
 J789 Control relay, Relay and fuse holder B on the vehicle electrical system control module in the right front footwell

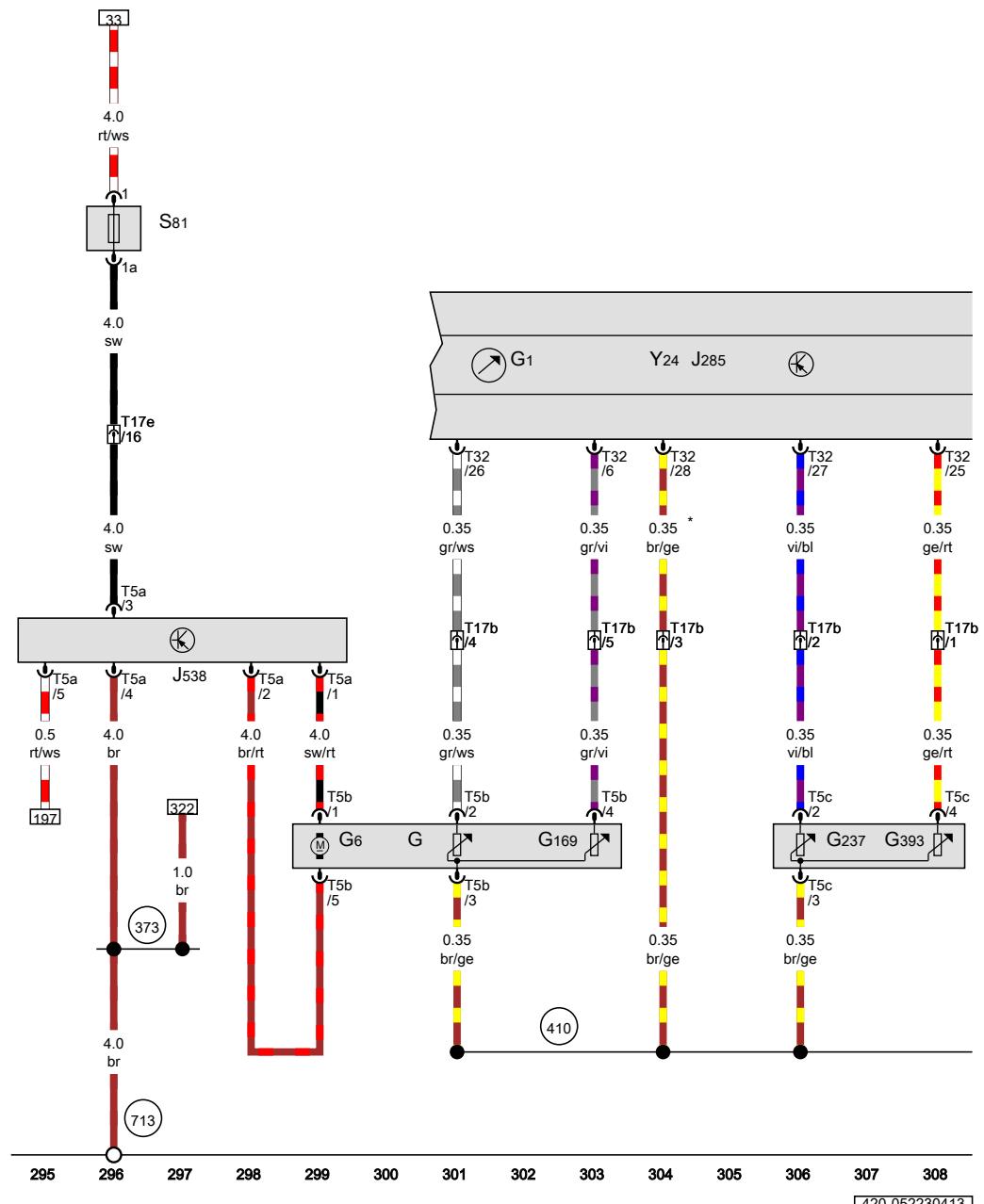
SB3 Fuse 3 (on fuse panel B)
 ST5 Fuse panel 5
 SB6 Fuse 6 (on fuse panel B)
 SB7 Fuse 7 (on fuse panel B)
 T4n 4-pin connector
 T6h 6-pin connector
 T52k 52-pin connector
 T94a 94-pin connector
 Z28 Oxygen sensor 2 heater
 Z30 Heater for oxygen sensor 2 after catalytic converter

(B315) Positive connection 1 (30a) (in main wiring harness)

(B316) Positive connection 2 (30a) (in main wiring harness)

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



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

- G Fuel level sensor
- G1 Fuel gauge
- G6 Transfer fuel pump
- G169 Fuel level sensor 2
- G237 Fuel level sensor 3
- G393 Fuel level sensor 4
- J285 Instrument cluster control module
- J538 Fuel pump control module
- S81 Fuel pump fuse, 9-pin relay and fuse panel C under the rear shelf, right
- T5a 5-pin connector
- T5b 5-pin connector
- T5c 5-pin connector
- T17b 17-pin connector, in the center console
- T17e 17-pin connector, Connector station under the rear shelf, right
- T32 32-pin connector
- Y24 Display unit in instrument cluster

373 Ground connection 8 (in main wiring harness)

410 Sensor ground connection 1 (in main wiring harness)

713 Ground connection under rear shelf, right

* Sensor ground output

ws = white

sw = black

ro = red

rt = red

br = brown

gn = green

bl = blue

gr = grey

li = lilac

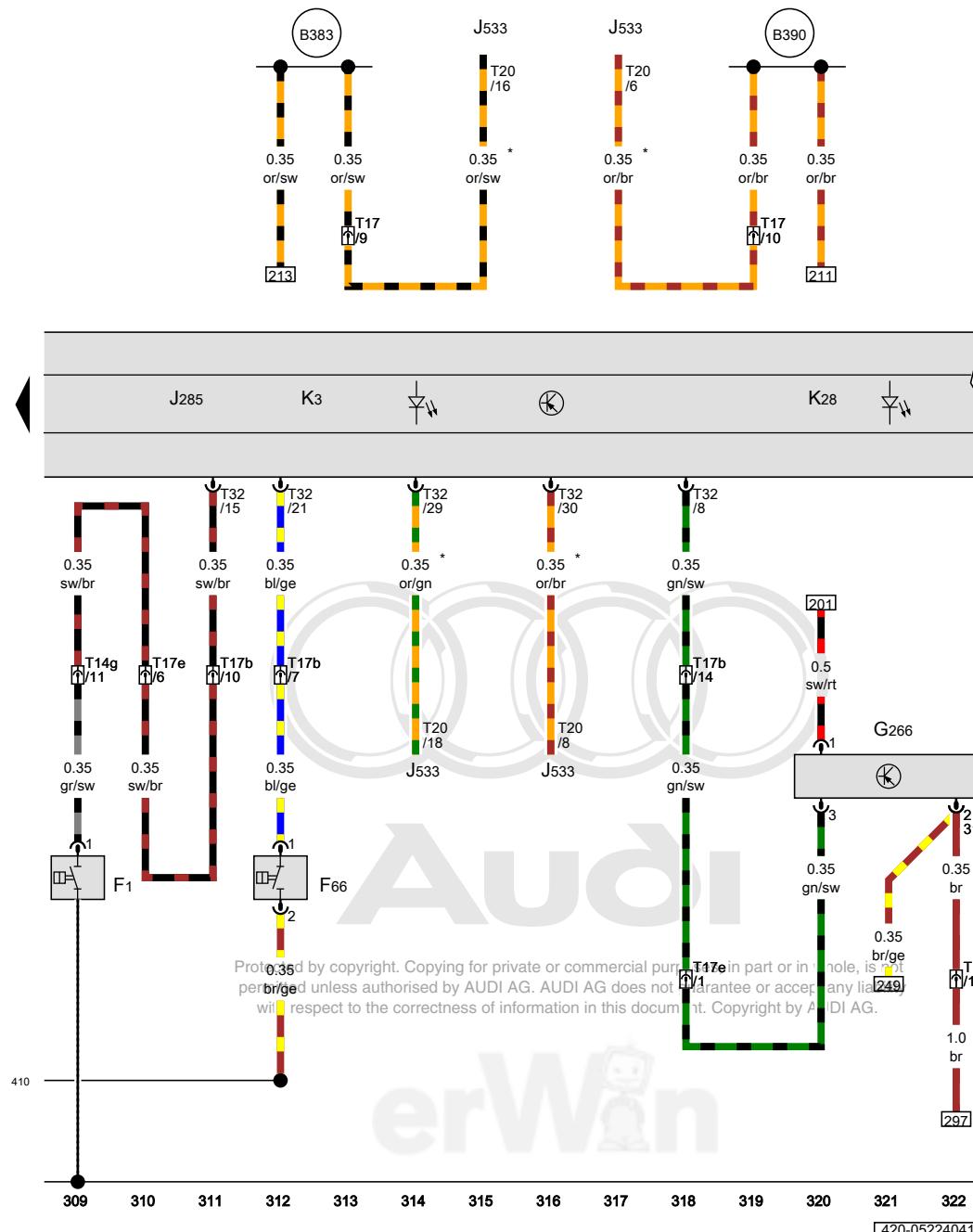
vi = lilac

ge = yellow

or = orange

rs = pink

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Oil pressure switch, Engine coolant level warning switch, Oil level thermal sensor, Instrument cluster control module

- F1 Oil pressure switch
- F66 Engine coolant level warning switch
- G266 Oil level thermal sensor
- J285 Instrument cluster control module
- J533 Data bus on board diagnostic interface
- K3 Oil pressure indicator lamp
- K28 Engine coolant level/temperature indicator lamp
- T14g 14-pin connector, in the engine compartment
- T17 17-pin connector, in the center console
- T17b 17-pin connector, in the center console
- T17e 17-pin connector, Connector station under the rear shelf, right
- T17f 17-pin connector, Connector station under the rear shelf, right
- T20 20-pin connector
- T32 32-pin connector
- 410 Sensor ground connection 1 (in main wiring harness)
- B383 Powertrain CAN bus high connection 1 (in main wiring harness)
- B390 Powertrain CAN bus low connection 1 (in main wiring harness)
- * Data bus wire (CAN bus)
- *2 Running change
- *3 The color of the wires depends on vehicle equipment

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| rs | = pink |

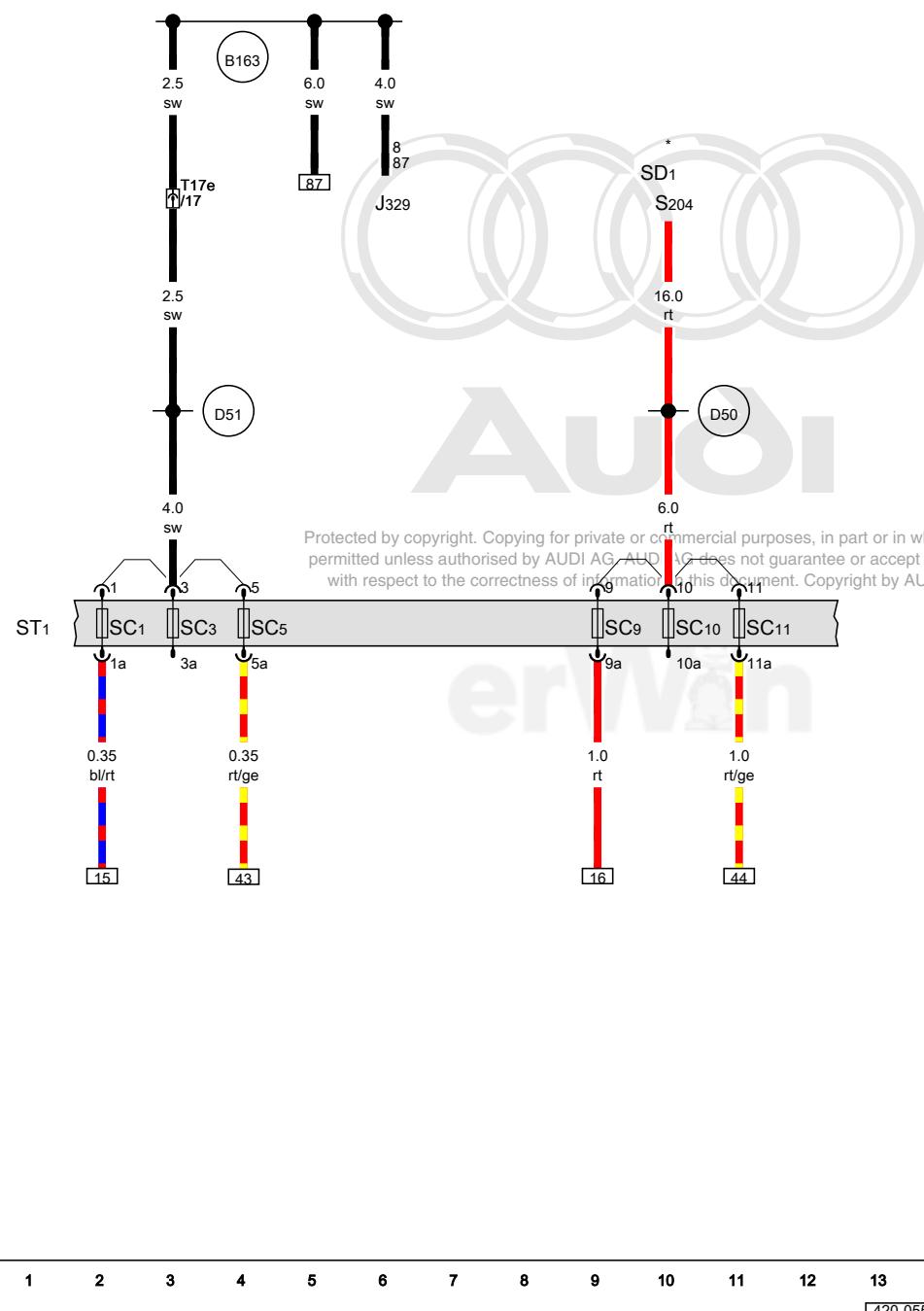
Automatic transmission - 7-speed DSG 0BZ

from June 2012



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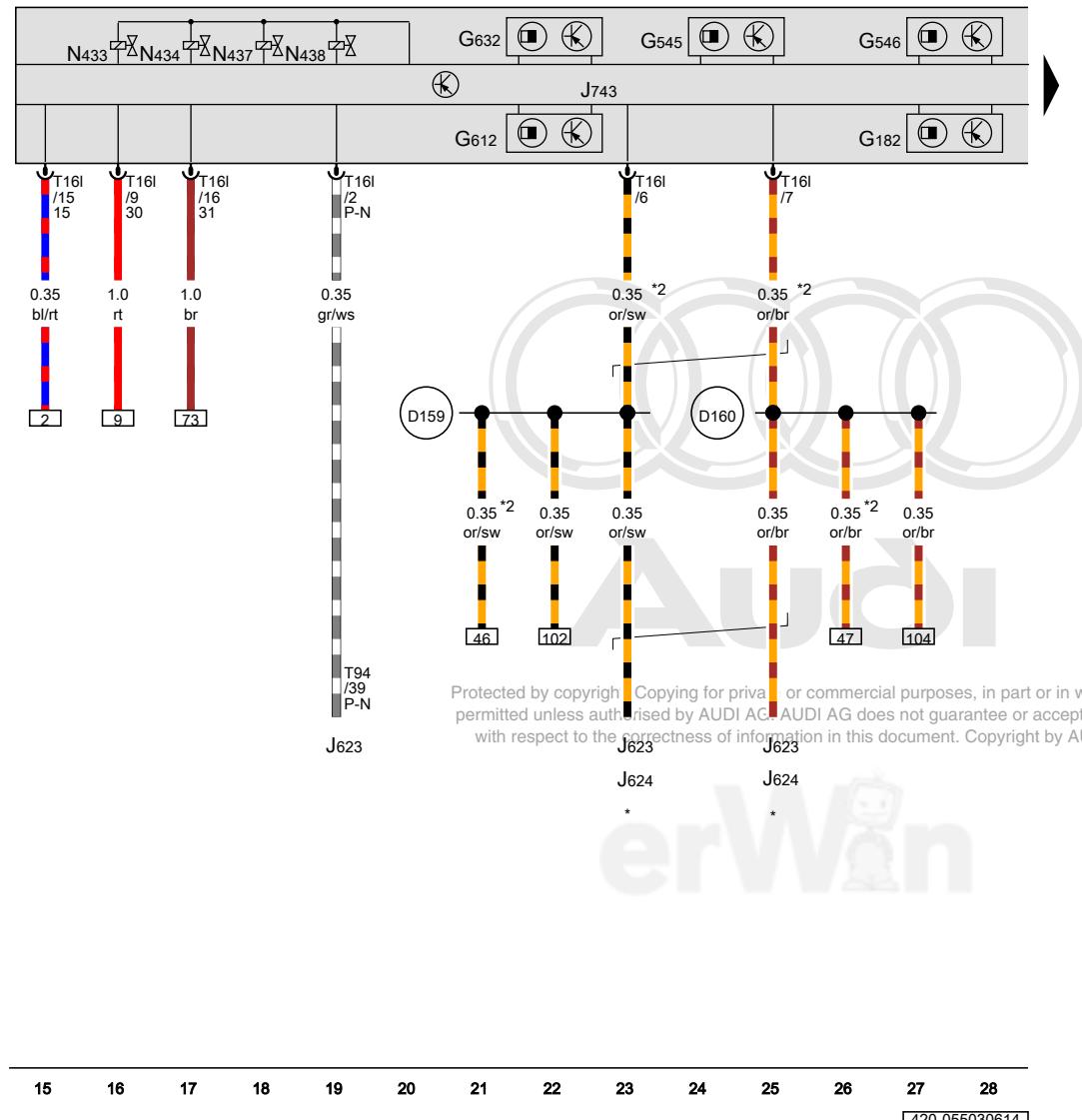




Fuse panel 1

- J329 Terminal 15 power supply relay, Relay carrier in the right front footwell
- SD1 Fuse 1 (on fuse panel D)
- SC1 Fuse 1 (on fuse panel C)
- ST1 Fuse panel 1
- SC3 Fuse 3 (on fuse panel C)
- SC5 Fuse 5 (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)
- S204 Fuse 1 (terminal 30)
- T17e 17-pin connector, Connector station under the rear shelf, right
- (B163) Positive connection 1 (15) (in interior wiring harness)
- (D50) Positive connection (30) (in engine compartment wiring harness)
- (D51) Positive connection 1 (15) (in engine compartment wiring harness)
- * Refer to applicable engine 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

Transmission input speed sensor, Hydraulic pressure sensor 1, DSG transmission Mechatronic


G182 Transmission input speed sensor

G545 Hydraulic pressure sensor 1

G546 Hydraulic pressure sensor 2

G612 Transmission input speed sensor 2

G632 Transmission input speed sensor 1

J623 Engine control module

J624 Engine control module 2

J743 DSG transmission Mechatronic

N433 Sub-transmission 1 valve 1

N434 Sub-transmission 1 valve 2

N437 Sub-transmission 1 valve 1

N438 Sub-transmission 2 valve 2

T16I 16-pin connector

T94 94-pin connector

(D159) High bus connection (in engine compartment wiring harness)

(D160) Low bus positive connection (in engine compartment wiring harness)

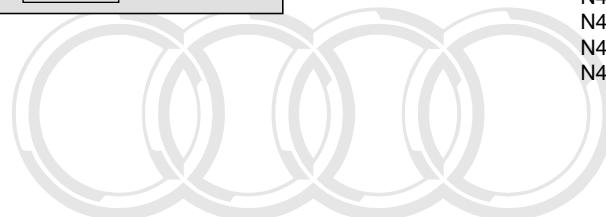
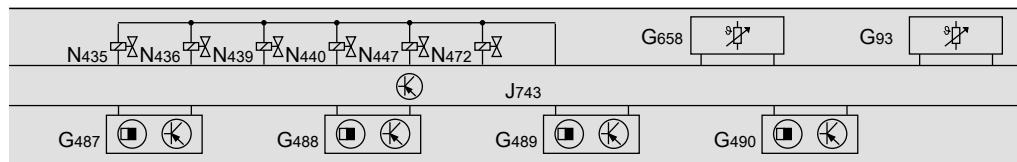
* Refer to applicable engine wiring diagram

*2 Data bus wire (CAN bus)

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Transmission fluid temperature sensor, Gear position distance sensor 1, Clutch temperature sensor 1, DSG transmission Mechatronic, Clutch cooling valve 1, Main pressure valve

- G93 Transmission fluid temperature sensor
- G487 Gear position distance sensor 1
- G488 Gear position distance sensor 2
- G489 Gear position distance sensor 3
- G490 Gear position distance sensor 4
- G658 Clutch temperature sensor 1
- J743 DSG transmission Mechatronic
- N435 Sub-transmission 1 valve 3
- N436 Sub-transmission 1 valve 4
- N439 Sub-transmission 2 valve 3
- N440 Sub-transmission 2 valve 4
- N447 Clutch cooling valve 1
- N472 Main pressure valve



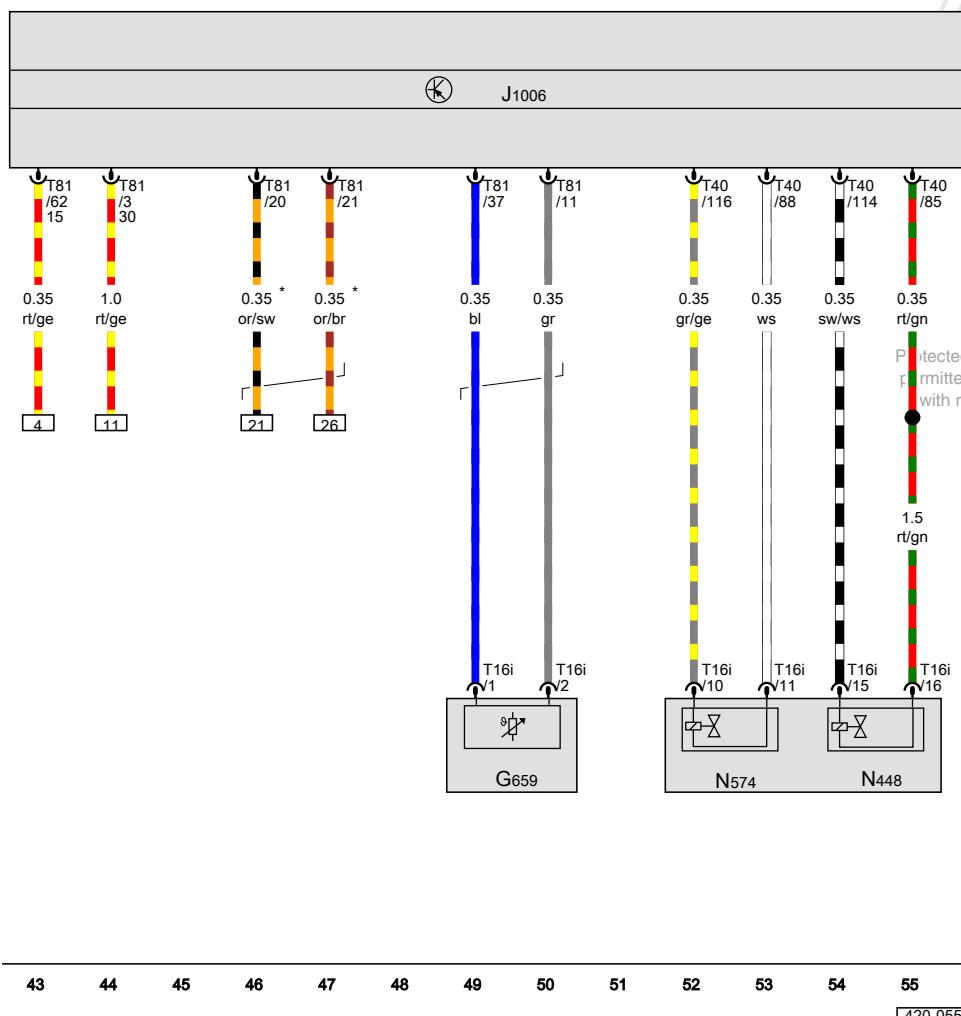
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| ws | = white |
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| br | = brown |
| gn | = green |
| bl | = blue |
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| li | = lilac |
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| ge | = yellow |
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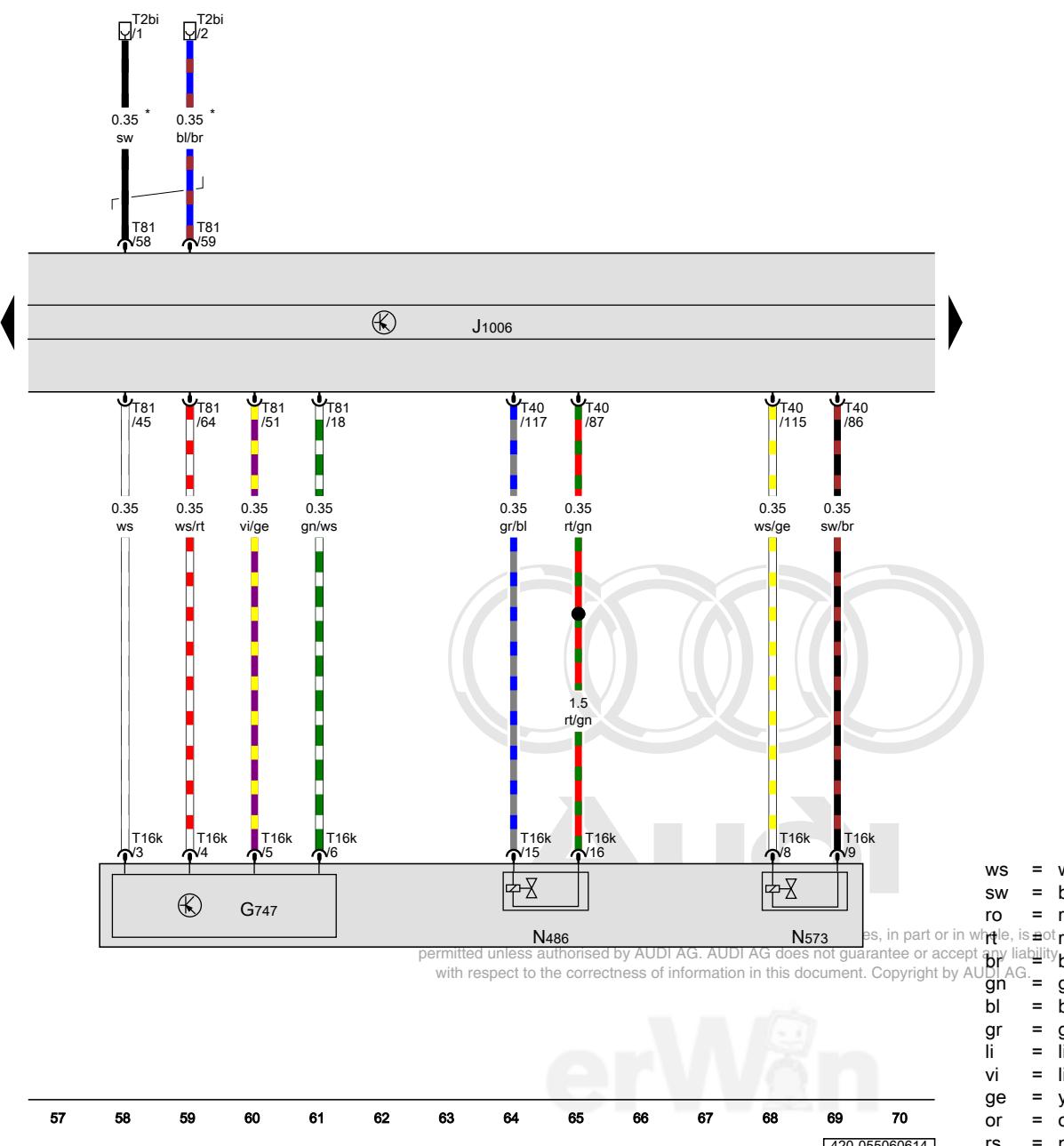
Automatic transmission control module 2, Clutch cooling valve 2, Parking lock solenoid valve 2

G659 Clutch temperature sensor 2
 J1006 Automatic transmission control module 2
 N448 Clutch cooling valve 2
 N574 Parking lock solenoid valve 2
 T16i 16-pin connector
 T40 40-pin connector
 T81 81-pin connector
 * Data bus wire (CAN bus)



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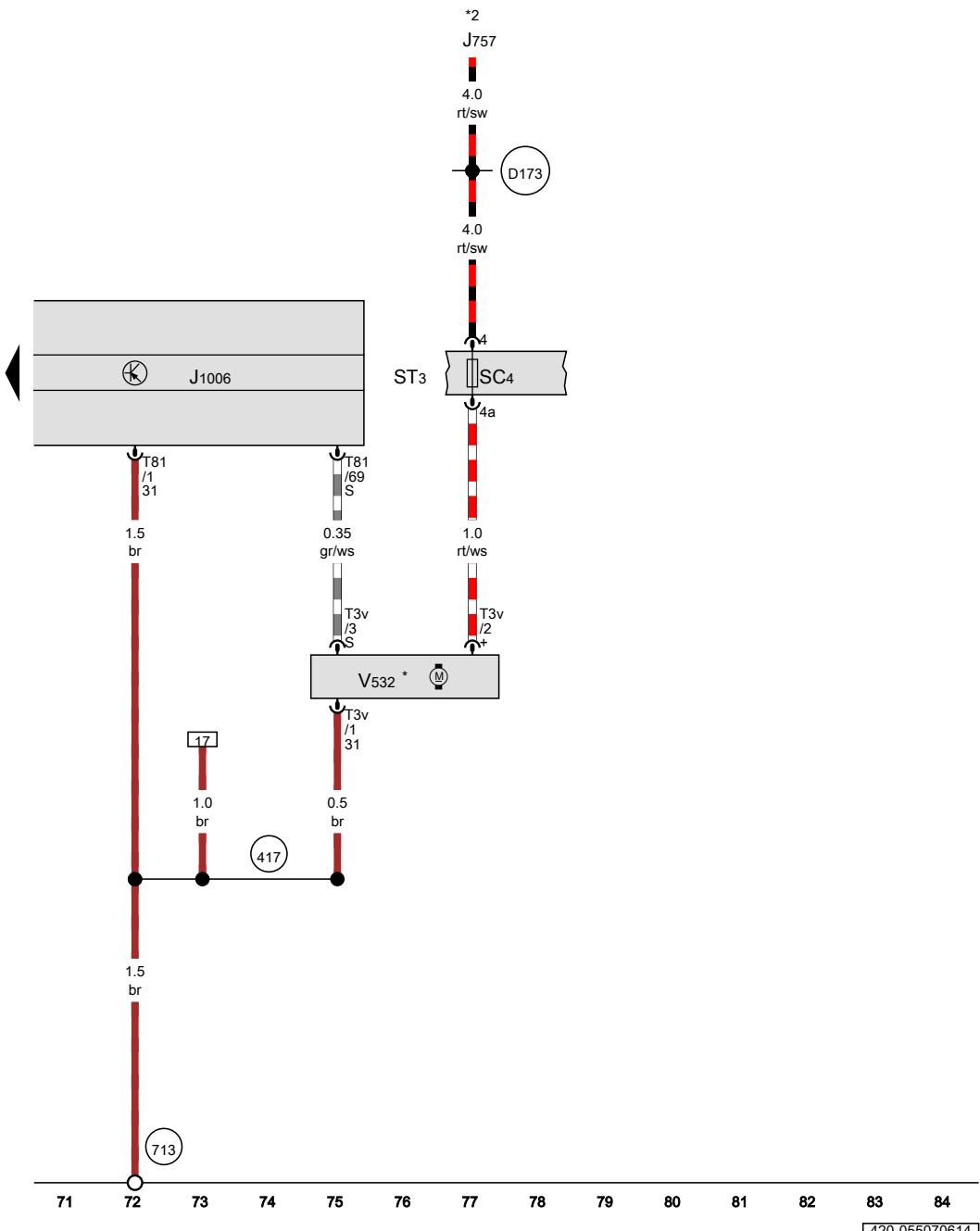


**Parking lock sensor, Automatic transmission control module
2, Parking lock solenoid, Parking lock solenoid valve**

- G747 Parking lock sensor
- J1006 Automatic transmission control module 2
- N486 Parking lock solenoid
- N573 Parking lock solenoid valve
- T2bi Double connector
- T16k 16-pin connector
- T40 40-pin connector
- T81 81-pin connector

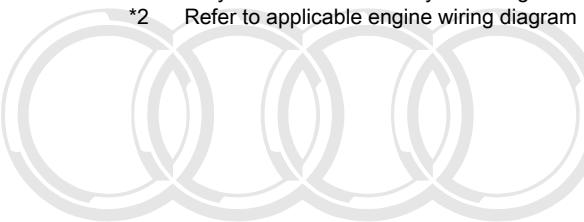
* Omitted as a running change

ws = white
 sw = black
 ro = red
 rt, while, is not red
 at any liability.
 br = brown
 AUDI AG.
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
 ge = yellow
 or = orange
 rs = pink



Automatic transmission control module 2, Fuse panel 3, Transmission coolant pump

- J757 Engine component power supply relay
- J1006 Automatic transmission control module 2
- ST3 Fuse panel 3
- SC4 Fuse 4 (on fuse panel C)
- T3v 3-pin connector
- T81 81-pin connector
- V532 Transmission coolant pump
- (417) Ground connection 9 (in engine compartment wiring harness)
- (713) Ground connection under rear shelf, right
- (D173) Connection 87 (in engine pre-wiring harness)
- * Only in vehicles with 10-cylinder engine
Refer to applicable engine wiring diagram
- *² Only in vehicles with 10-cylinder engine
Refer to applicable engine wiring diagram

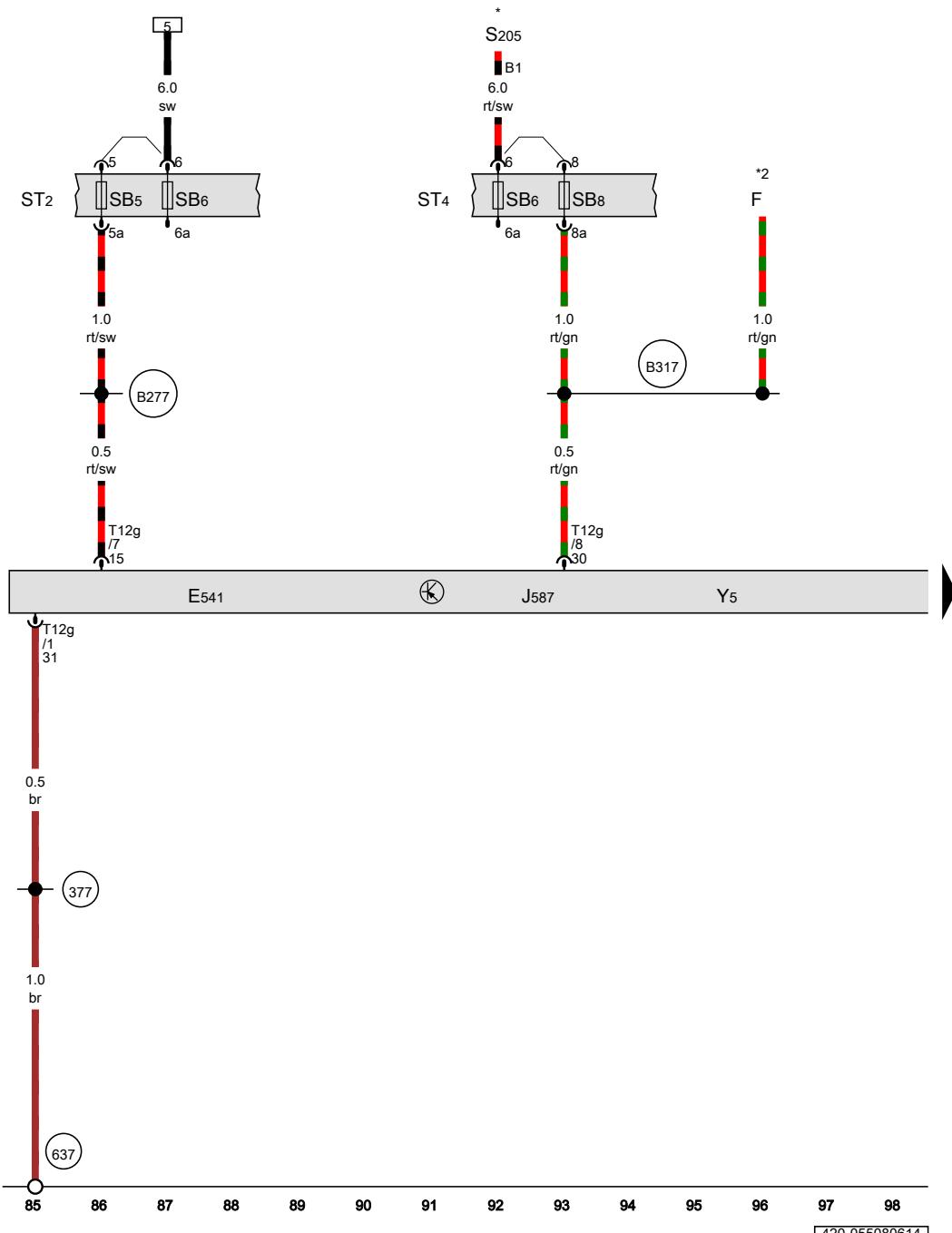


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420-0550706141

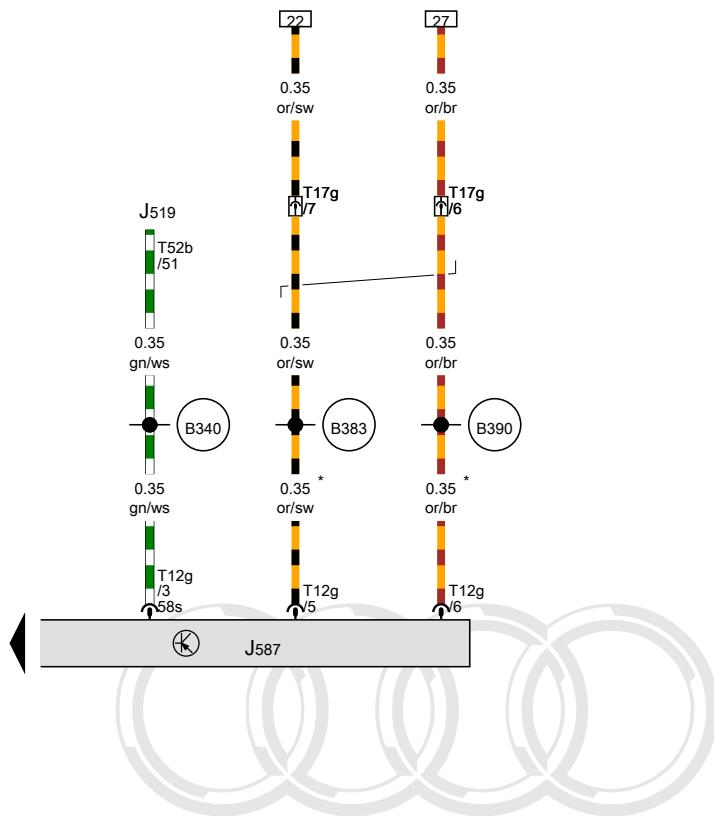

Selector lever sensor system control module

- E541 Sport program button
- F Brake lamp switch
- J587 Selector lever sensor system control module
- ST2 Fuse panel 2
- ST4 Fuse panel 4
- SB5 Fuse 5 (on fuse panel B)
- SB6 Fuse 6 (on fuse panel B)
- SB8 Fuse 8 (on fuse panel B)
- S205 Fuse 2 (terminal 30)
- T12g 12-pin connector
- Y5 Selector lever transmission range display
- (377) Ground connection 12 (in main wiring harness)
- (637) Airbag control module ground connection
- (B277) Positive connection 1 (15a) (in main wiring harness)
- (B317) Positive connection 3 (30a) (in main wiring harness)
- * Main distribution in the right front footwell
Refer to applicable engine wiring diagram
- *2 Refer to applicable engine wiring diagram

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



Selector lever sensor system control module

J519 Vehicle electrical control module system
 J587 Selector lever sensor system control module
 T12g 12-pin connector
 T17g 17-pin connector, Connector station under the rear shelf, right
 T52b 52-pin connector

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

(B383) Powertrain CAN bus high connection 1 (in main wiring harness)

(B390) Powertrain CAN bus low connection 1 (in main wiring harness)

* Data bus wire (CAN bus)

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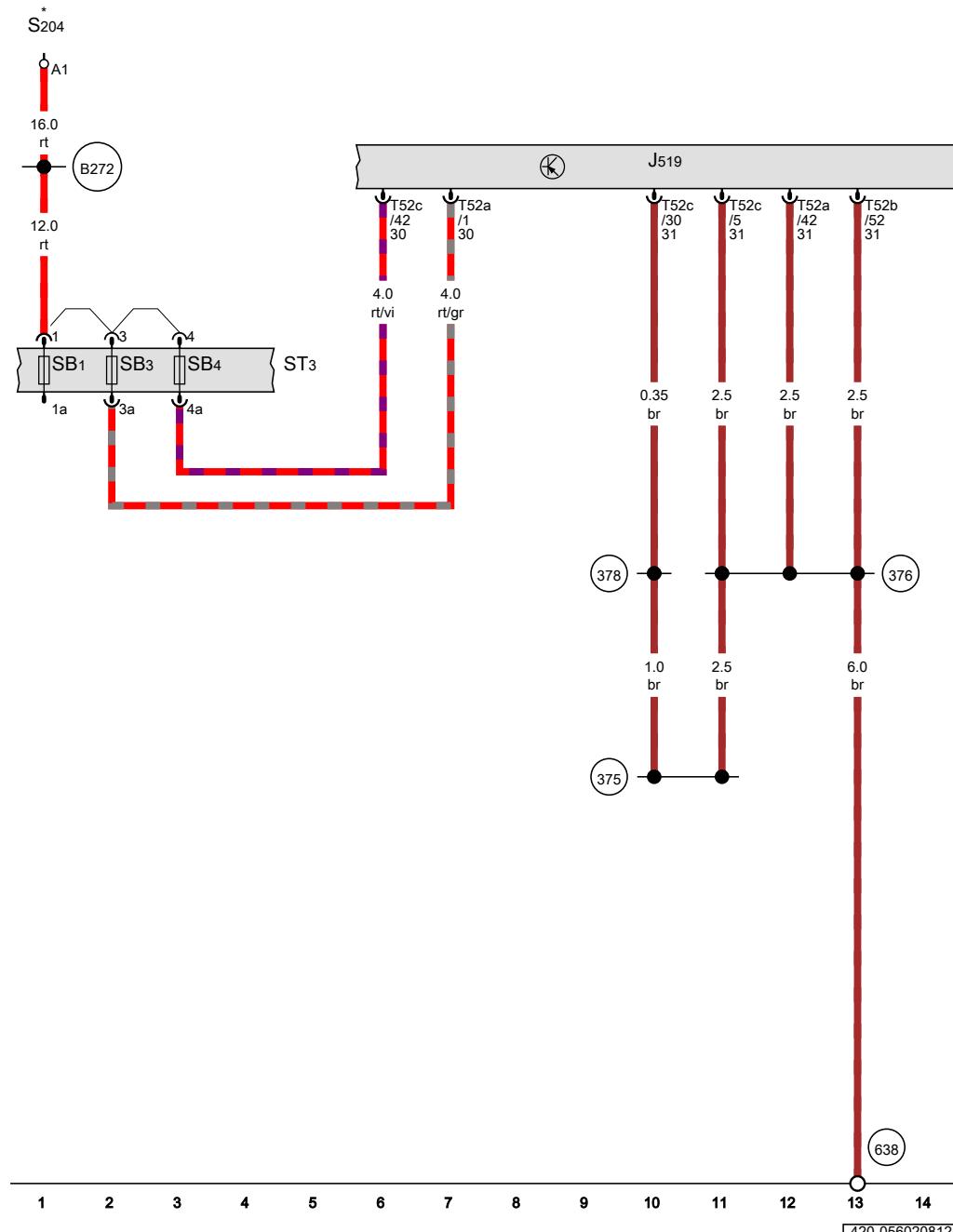
Headlamps, LED

from June 2012



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Vehicle electrical system control module, Fuse panel 3

J519 Vehicle electrical system control module

SB1 Fuse 1 (on fuse panel B)

ST3 Fuse panel 3

SB3 Fuse 3 (on fuse panel B)

SB4 Fuse 4 (on fuse panel B)

S204 Fuse 1 (terminal 30)

T52a 52-pin connector

T52b 52-pin connector

T52c 52-pin connector

375 Ground connection 10 (in main wiring harness)

376 Ground connection 11 (in main wiring harness)

378 Ground connection 13 (in main wiring harness)

638 Ground connection on right A-pillar

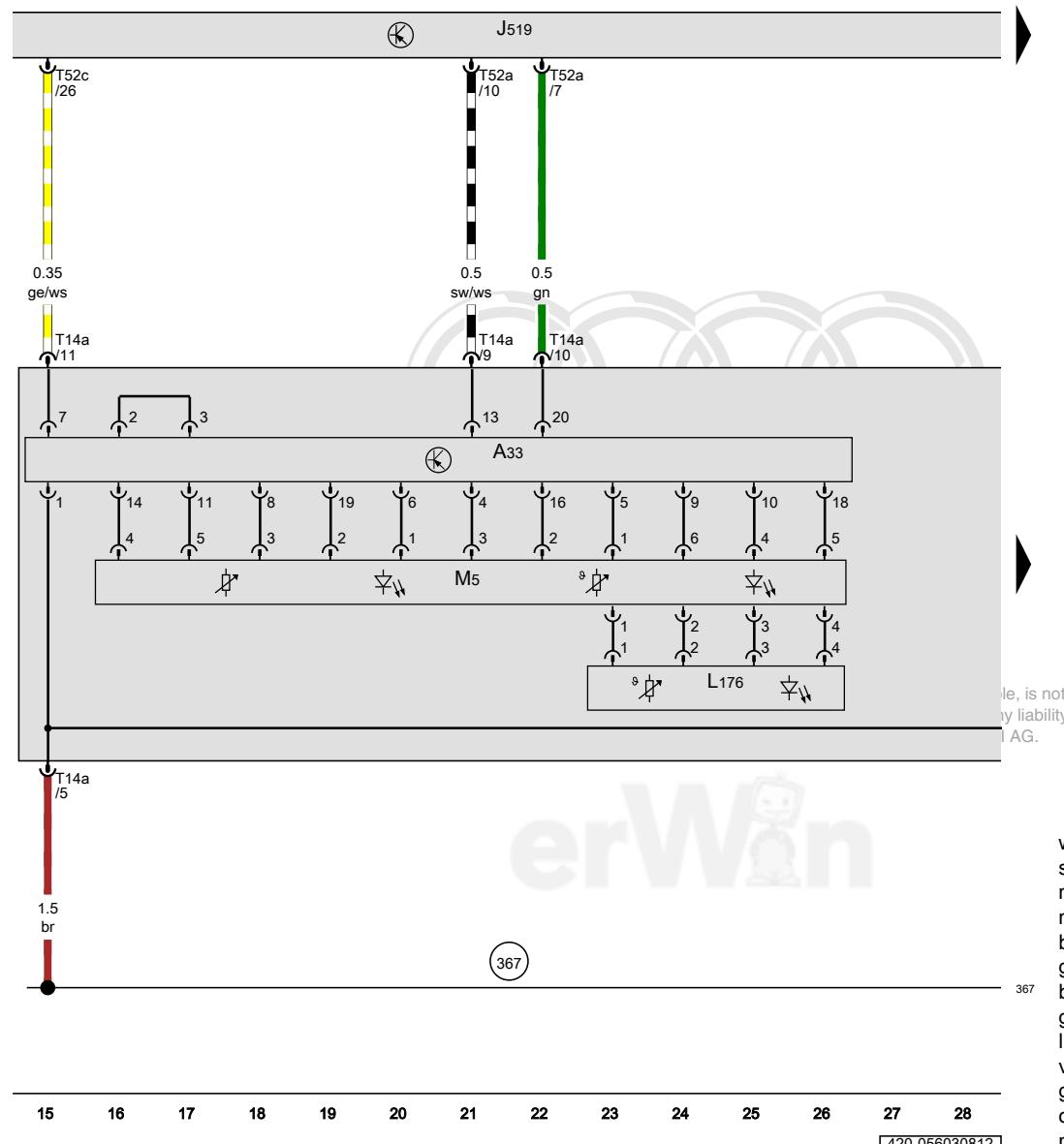
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* Main distribution in the right front footwell

Left LED headlamp power output module 3, Vehicle electrical system control module, Left daytime running lamp and parking lamp LED module, Left front turn signal bulb

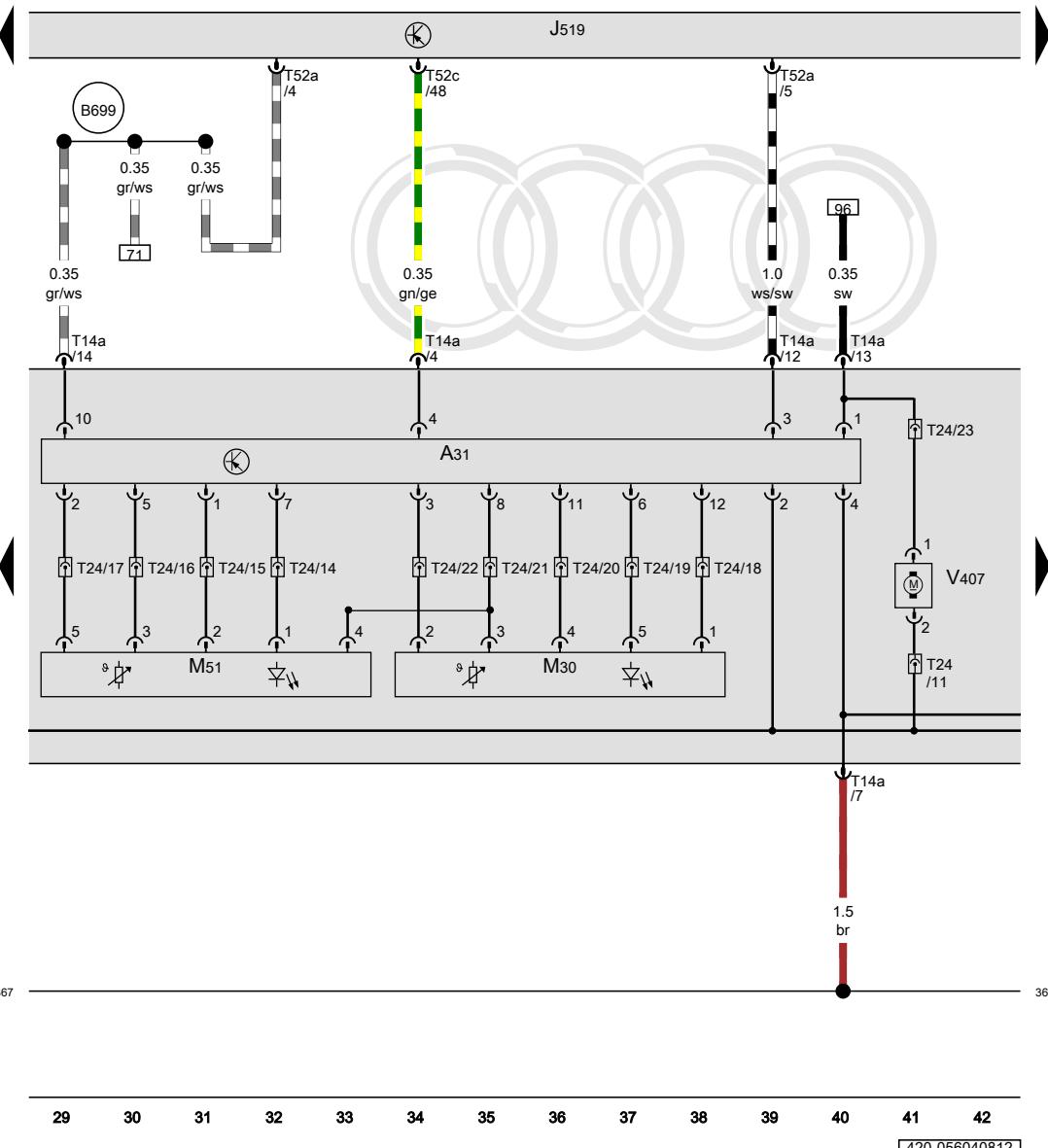
A33 Left LED headlamp power output module 3
J519 Vehicle electrical system control module
L176 Left daytime running lamp and parking lamp LED module
M5 Left front turn signal bulb
T14a 14-pin connector
T52a 52-pin connector
T52c 52-pin connector

367 Ground connection 2 (in main 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

Left LED headlamp power output module 1, Vehicle electrical system control module, Left high beam headlamp bulb, Left stationary cornering lamp, Left headlamp fan



A31 Left LED headlamp power output module 1

J519 Vehicle electrical system control module

M30 Left high beam headlamp bulb

M51 Left stationary cornering lamp

T14a 14-pin connector

T24 24-pin connector, in the left headlamp

T52a 52-pin connector

T52c 52-pin connector

V407 Left headlamp fan

367 Ground connection 2 (in main wiring harness)

B699 LIN bus connection 4 (in main 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

Left LED headlamp power output module 2, Vehicle electrical system control module, Left low beam headlamp bulb 2, Left low beam headlamp bulb

A32 Left LED headlamp power output module 2

J519 Vehicle electrical system control module

L191 Left low beam headlamp bulb 2

M29 Left low beam headlamp bulb

T14a 14-pin connector

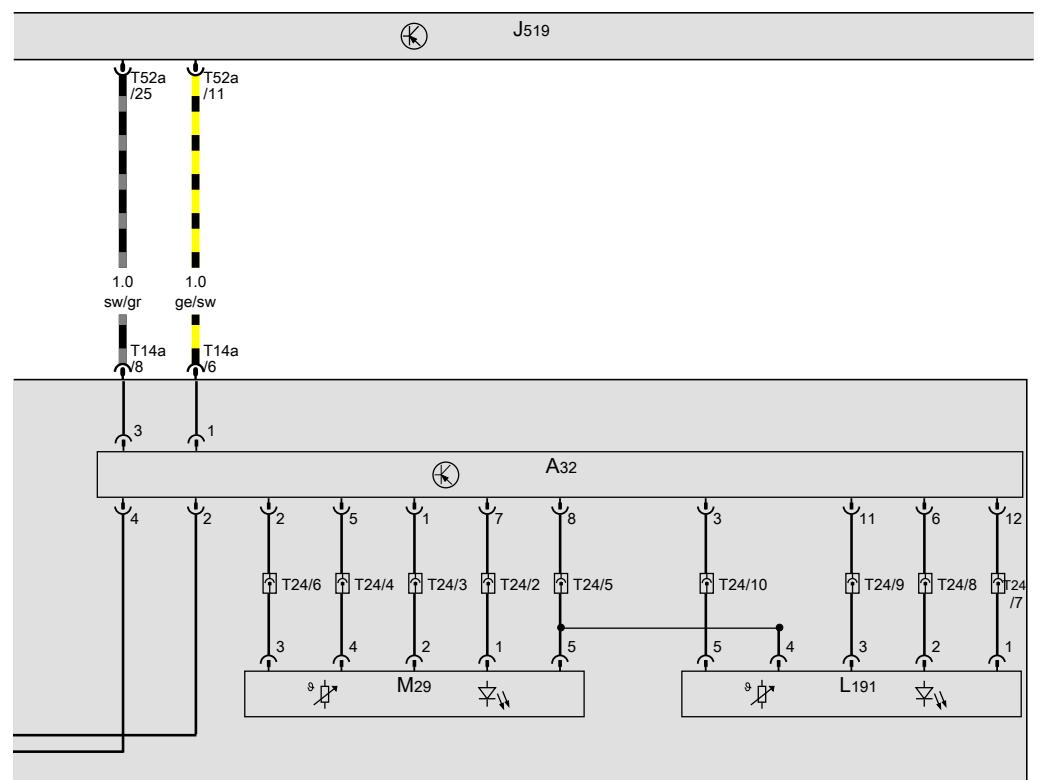
T24 24-pin connector, in the left headlamp

T52a 52-pin connector

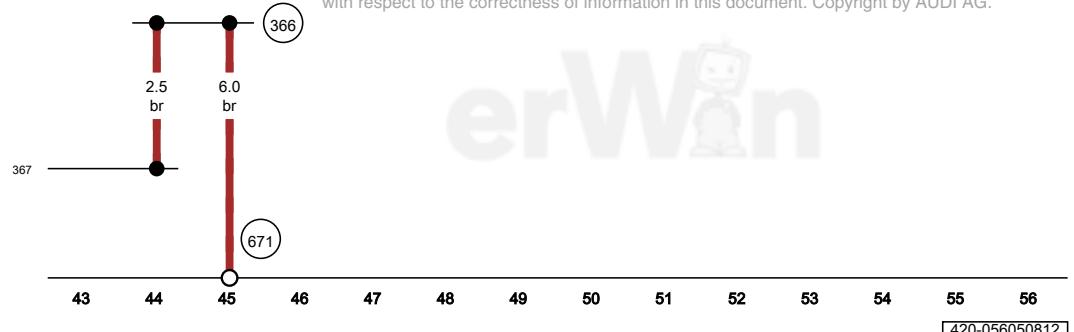
(366) Ground connection 1 (in main wiring harness)

(367) Ground connection 2 (in main wiring harness)

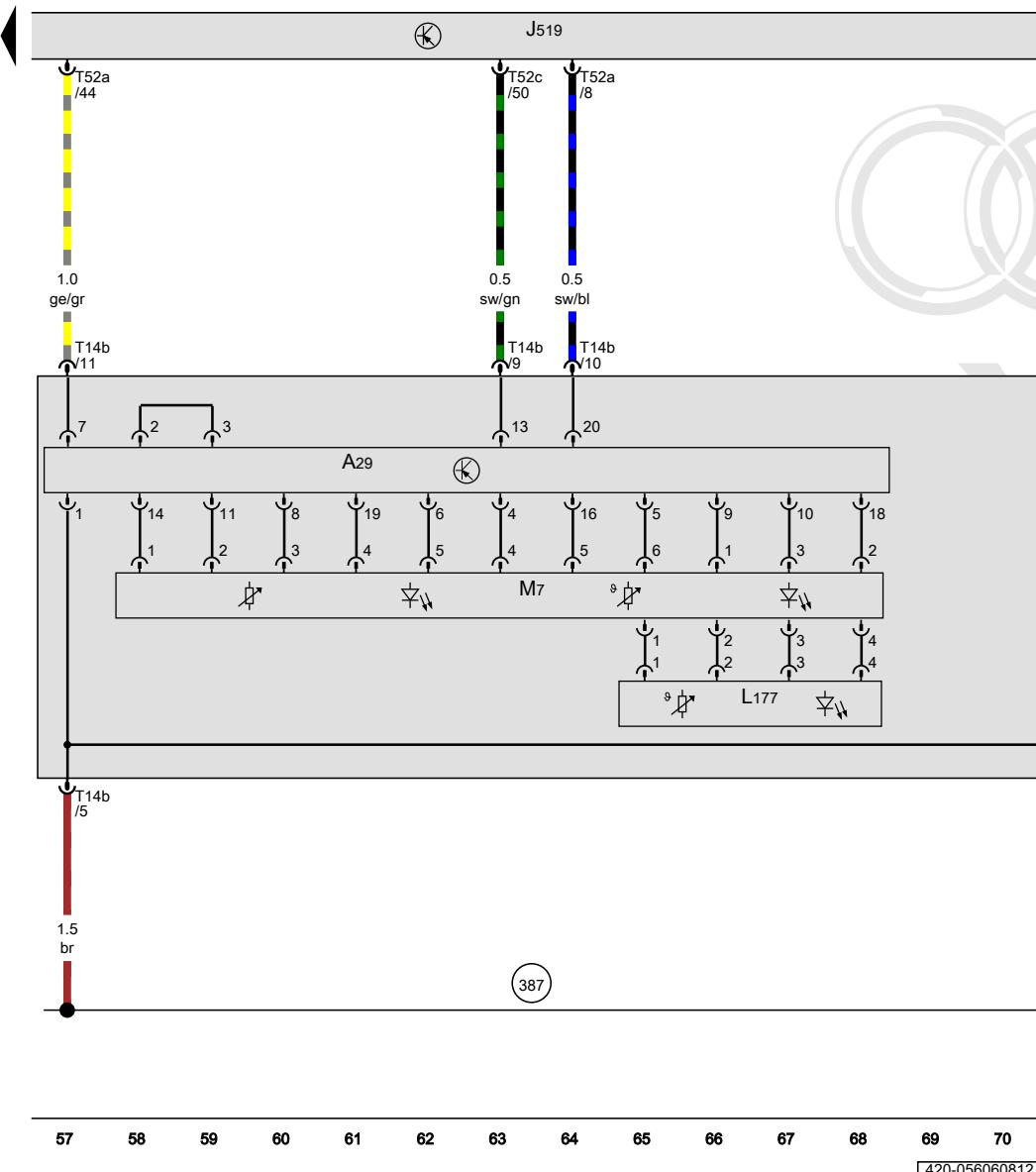
(671) Ground connection 1 on left front longitudinal member



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



Right LED headlamp power output module 3, Vehicle electrical system control module, Right daytime running lamp and parking lamp LED module, Right front turn signal bulb

- A29 Right LED headlamp power output module 3
J519 Vehicle electrical system control module
L177 Right daytime running lamp and parking lamp LED module
M7 Right front turn signal bulb
T14b 14-pin connector
T52a 52-pin connector
T52c 52-pin connector

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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 |

Right LED headlamp power output module 1, Vehicle electrical system control module, Right high beam headlamp bulb, Right stationary cornering lamp, Right headlamp fan

A27 Right LED headlamp power output module 1

J519 Vehicle electrical system control module

M32 Right high beam headlamp bulb

M52 Right stationary cornering lamp

T14b 14-pin connector

T24 24-pin connector, in the right headlamp

T52c 52-pin connector

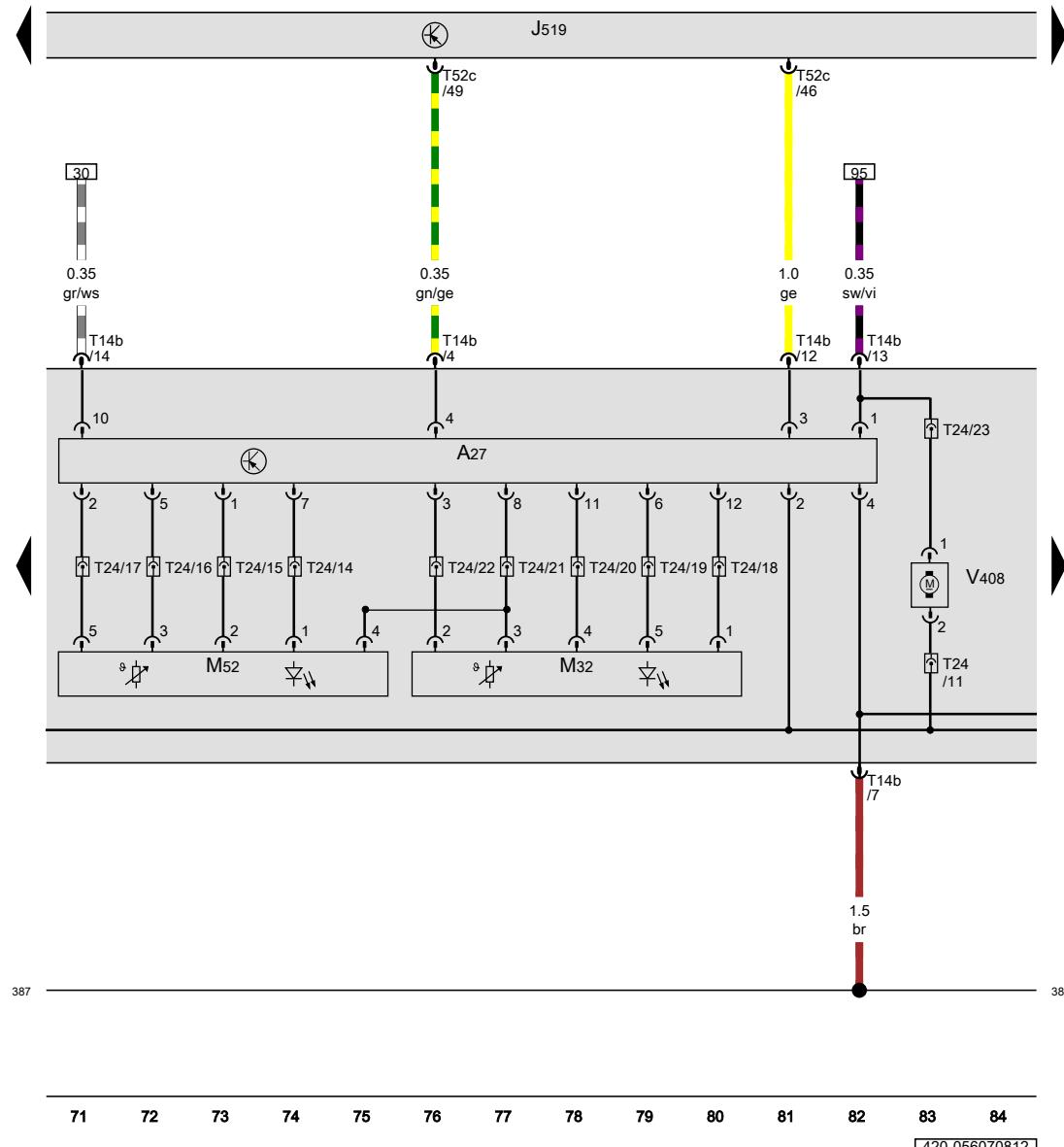
V408 Right headlamp fan

387 Ground connection 22 (in main wiring harness)

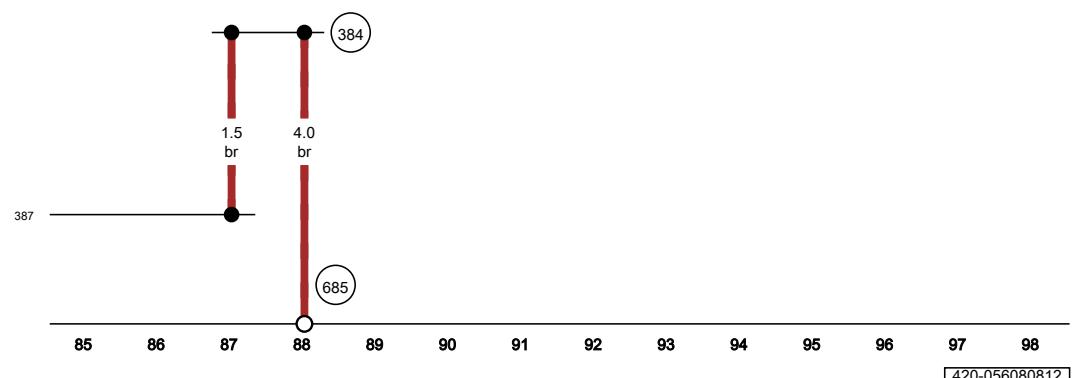
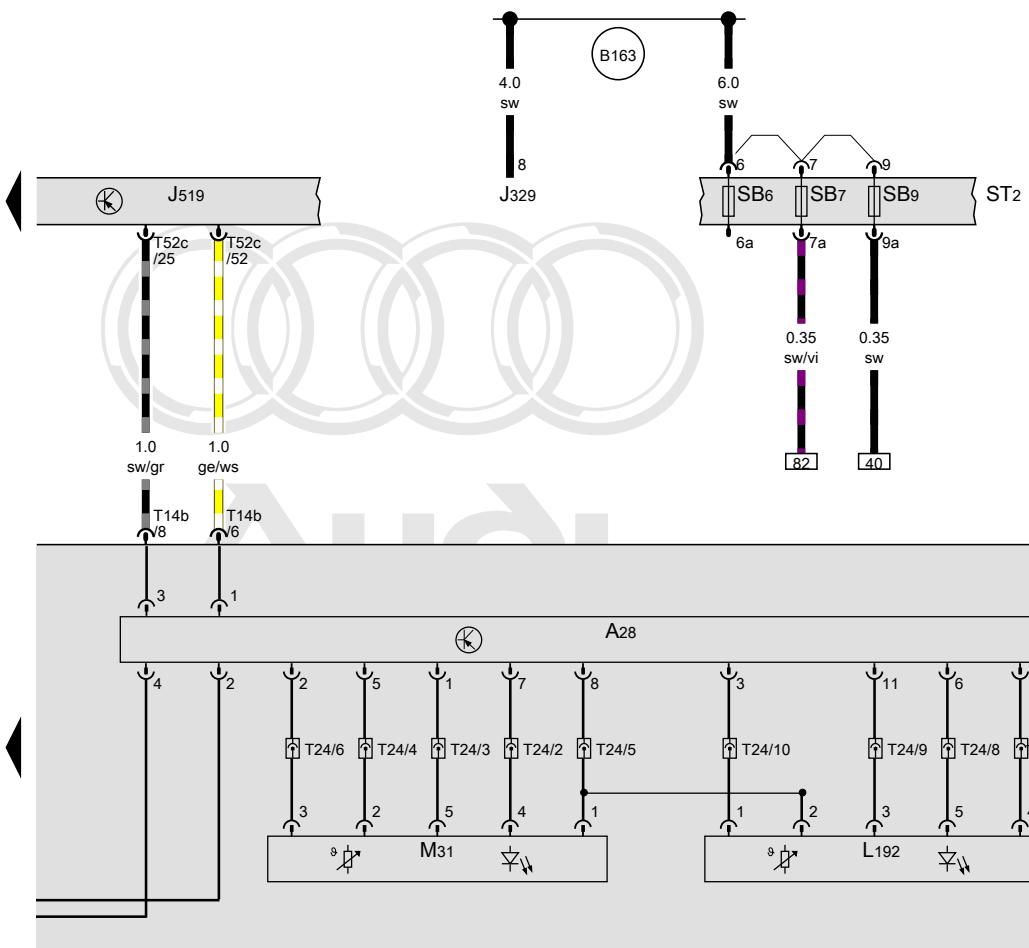


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| | |
|----|----------|
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| br | = brown |
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| li | = lilac |
| vi | = lilac |
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| rs | = pink |



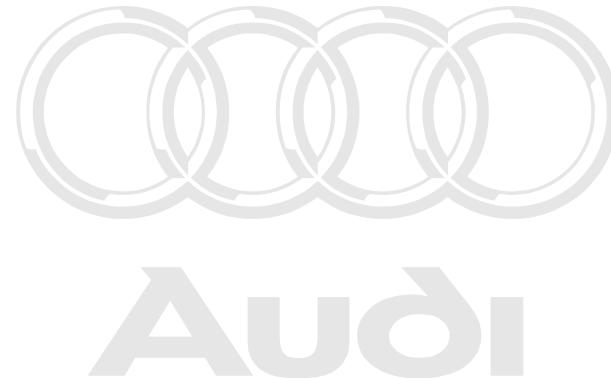
Right LED headlamp power output module 2, Vehicle electrical system control module, Right low beam headlamp bulb 2, Right low beam headlamp bulb, Fuse panel 2

- A28 Right LED headlamp power output module 2
- J329 Terminal 15 power supply relay, Relay carrier in the right front footwell
- J519 Vehicle electrical system control module
- L192 Right low beam headlamp bulb 2
- M31 Right low beam headlamp bulb
- ST2 Fuse panel 2
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- T14b 14-pin connector
- T24 24-pin connector, in the right headlamp
- T52c 52-pin connector
- 384 Ground connection 19 (in main wiring harness)
- 387 Ground connection 22 (in main wiring harness)
- 685 Ground connection 1 on right front longitudinal member
- B163 Positive connection 1 (15) (in interior wiring harness)

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| ws | = white |
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| gn | = green |
| bl | = blue |
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| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

Headlamps, LED with laser high beams

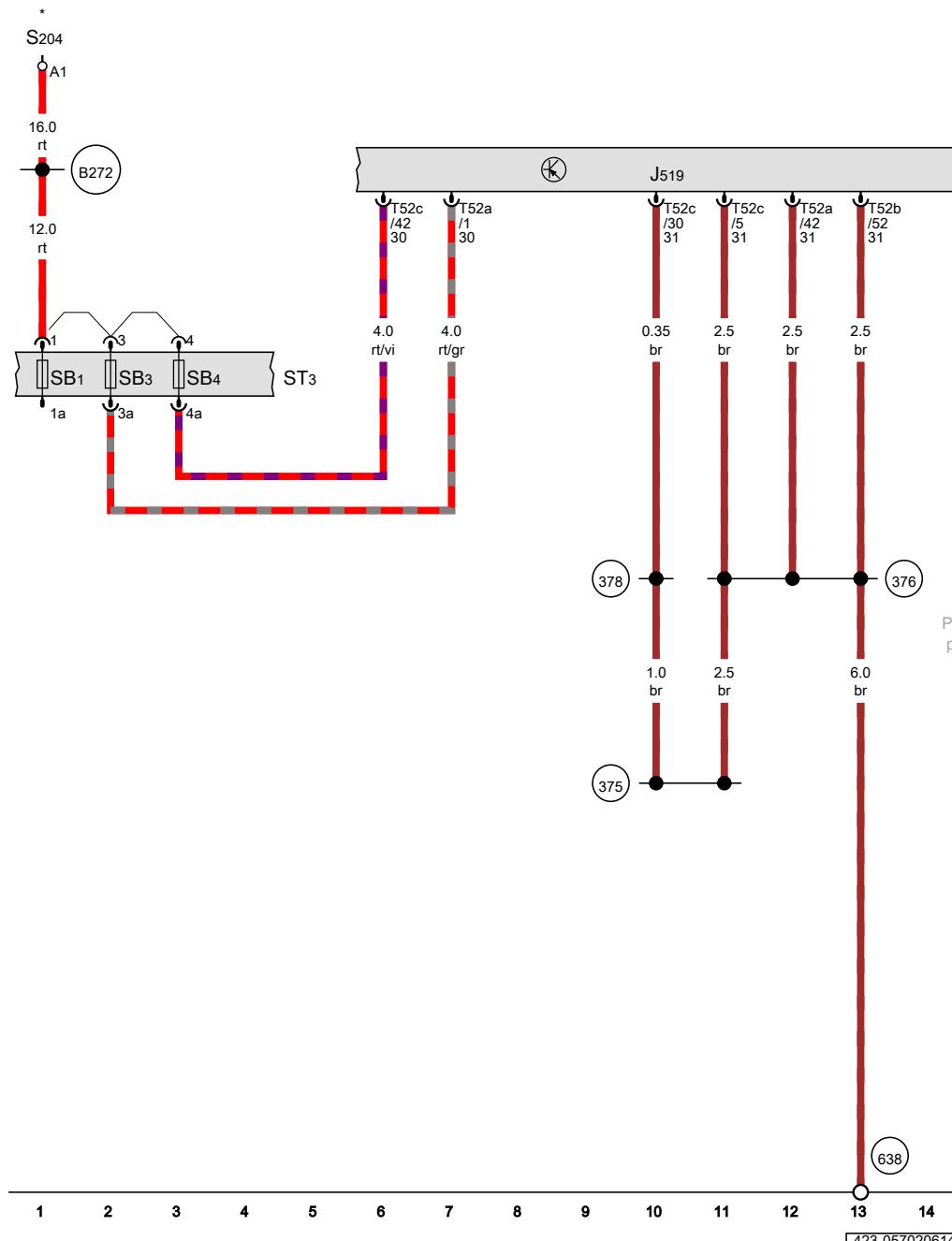
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Vehicle electrical control module system, Fuse panel 3



J519 Vehicle electrical control module system

SB1 Fuse 1 (on fuse panel B)

ST3 Fuse panel 3

SB3 Fuse 3 (on fuse panel B)

SB4 Fuse 4 (on fuse panel B)

S204 Fuse 1 (terminal 30)

T52a 52-pin connector

T52b 52-pin connector

T52c 52-pin connector

375 Ground connection 10 (in main wiring harness)

376 Ground connection 11 (in main wiring harness)

378 Ground connection 13 (in main wiring harness)

638 Ground connection on right A-pillar

B272 Positive connection (30) (in main wiring harness)

* Main distribution in the right front footwell

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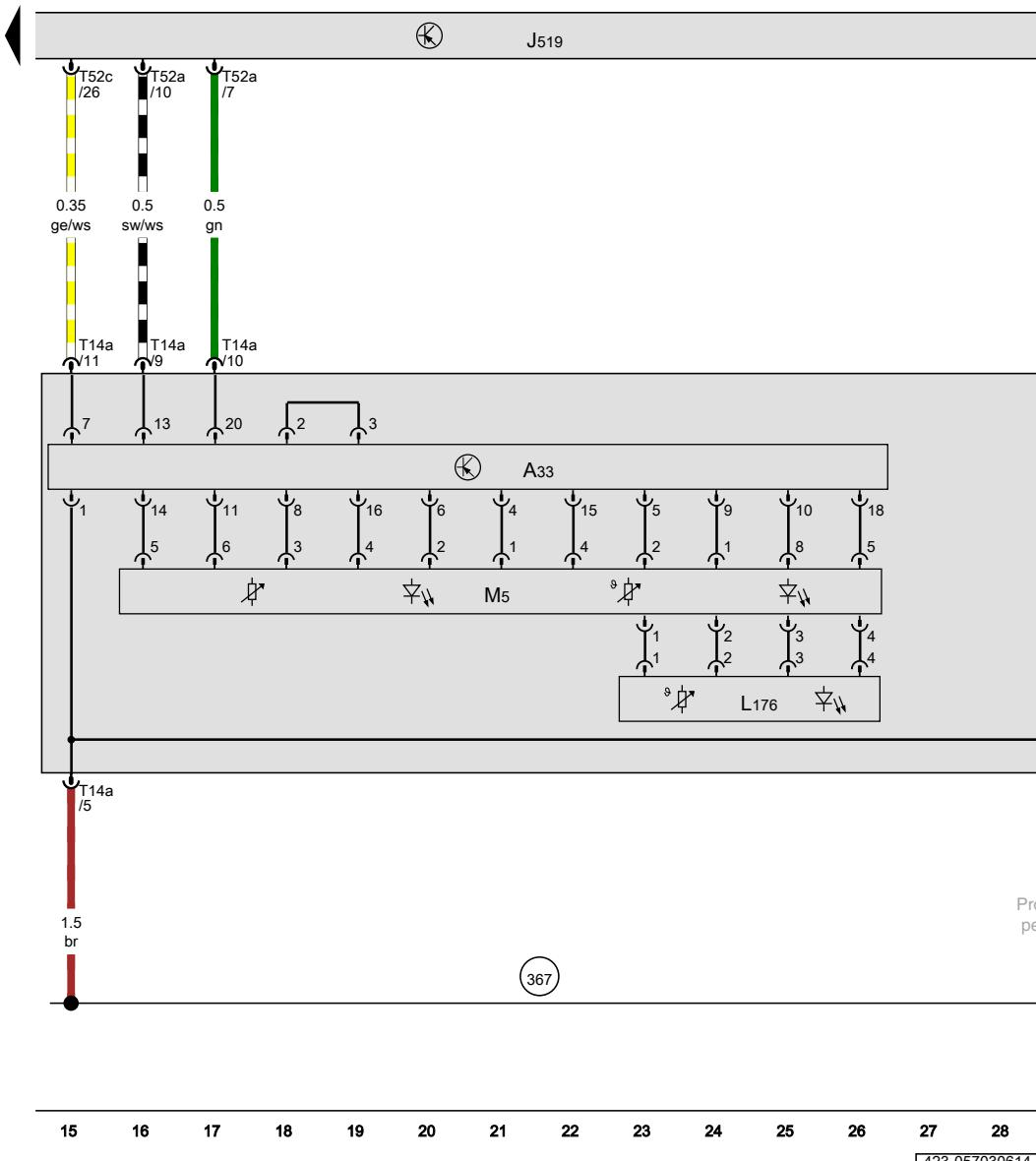
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| rt | = red |
| br | = brown |
| gn | = green |
| bl | = blue |
| gr | = grey |
| li | = lilac |
| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

F423-0570206141

Left LED headlamp power output module 3, Vehicle electrical control module system, Left daytime running lamp and position lamp LED module, Left front turn signal bulb

A33 Left LED headlamp power output module 3
 J519 Vehicle electrical control module system
 L176 Left daytime running lamp and position lamp LED module
 M5 Left front turn signal bulb
 T14a 14-pin connector
 T52a 52-pin connector
 T52c 52-pin connector

367 Ground connection 2 (in main wiring harness)



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

367

423-0570306141

Left LED headlamp power output module 1, Vehicle electrical control module system, Left high beam headlamp bulb, Left auxiliary high beam bulb, Left headlamp fan

A31 Left LED headlamp power output module 1

J519 Vehicle electrical control module system

M30 Left high beam headlamp bulb

M67 Left auxiliary high beam bulb

T14a 14-pin connector

T24 24-pin connector, in the left headlamp

T52a 52-pin connector

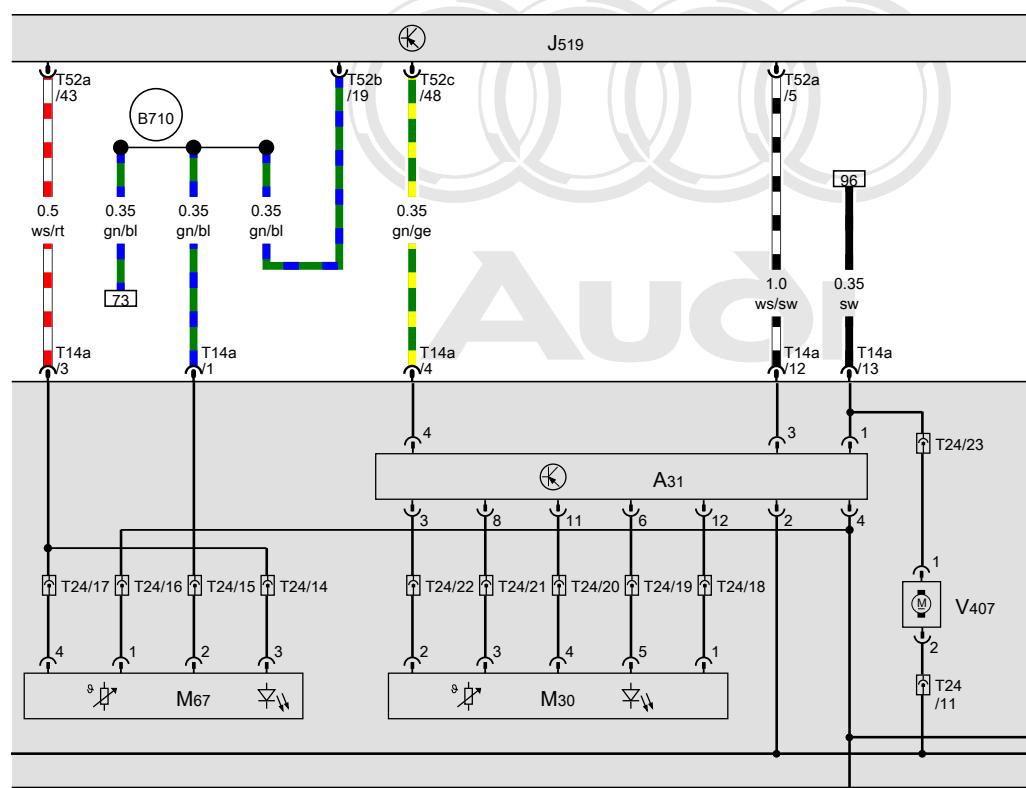
T52b 52-pin connector

T52c 52-pin connector

V407 Left headlamp fan

367 Ground connection 2 (in main wiring harness)

B710 LIN bus connection 5 (in main wiring harness)



ws = white
 sw = black
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 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = lilac
 vi = lilac
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 or = orange
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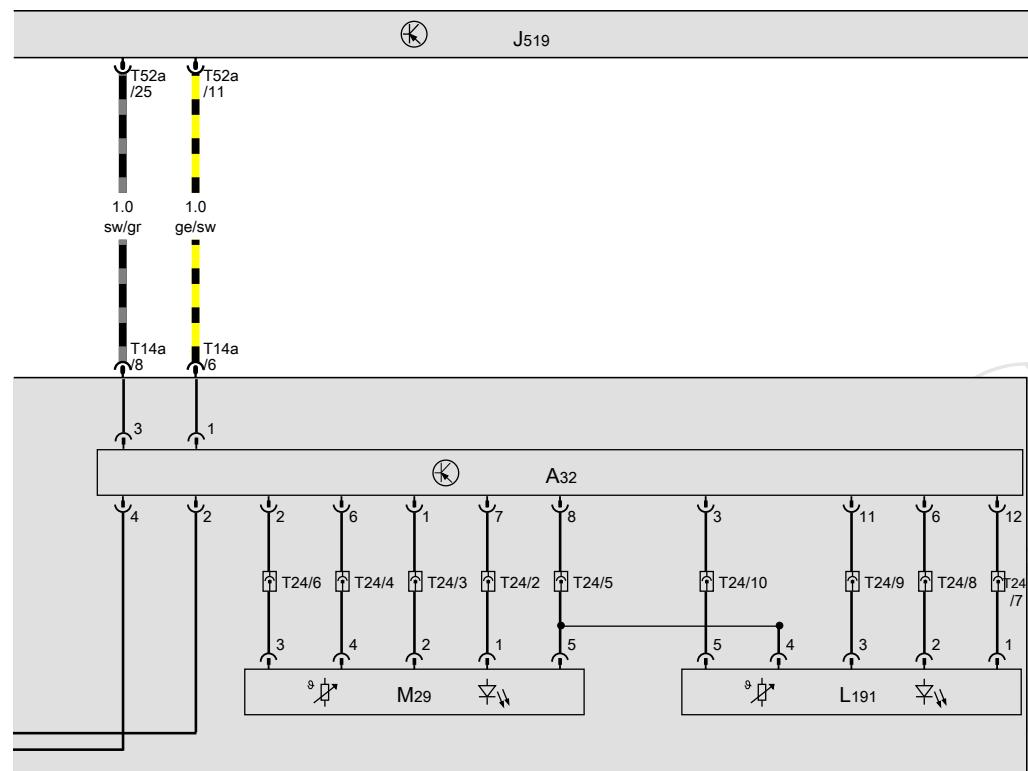
Left LED headlamp power output module 2, Vehicle electrical control module system, Left low beam headlamp bulb 2, Left low beam headlamp bulb

A32 Left LED headlamp power output module 2
J519 Vehicle electrical control module system
L191 Left low beam headlamp bulb 2
M29 Left low beam headlamp bulb
T14a 14-pin connector
T24 24-pin connector, in the left headlamp
T52a 52-pin connector

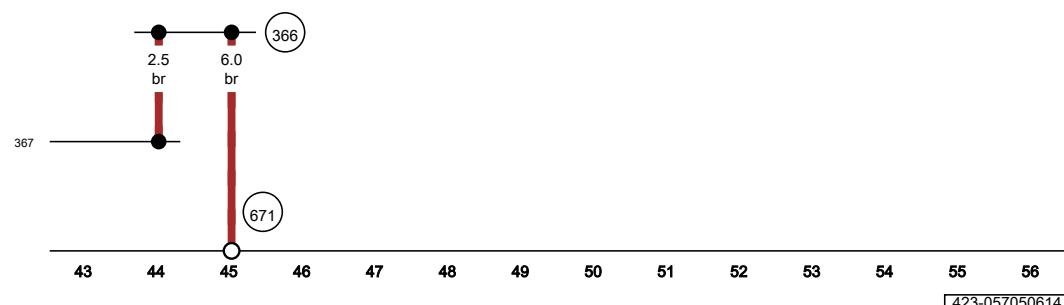
366 Ground connection 1 (in main wiring harness)

367 Ground connection 2 (in main wiring harness)

671 Ground connection 1 on left front longitudinal member



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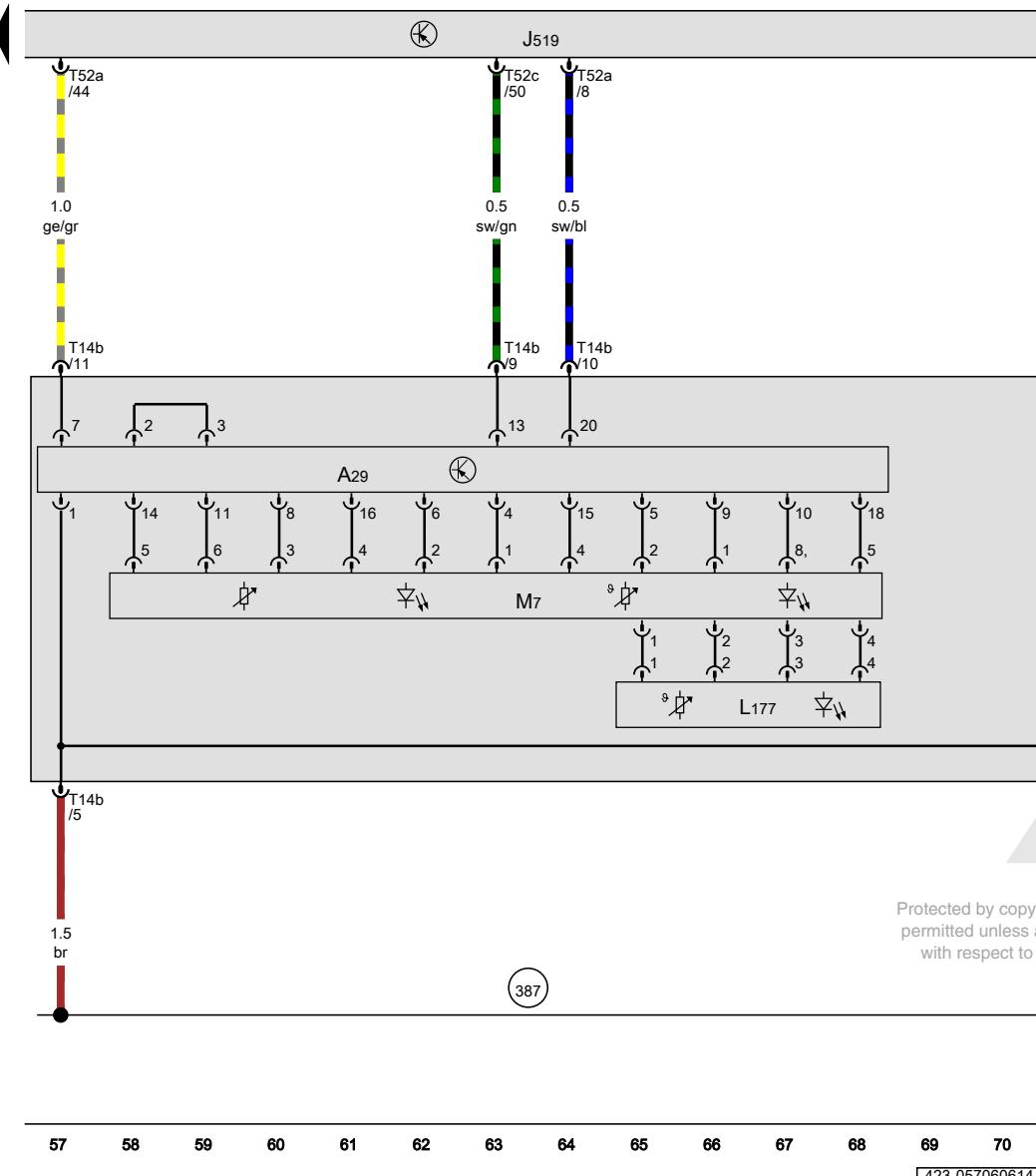
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| gr | = grey |
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| vi | = lilac |
| ge | = yellow |
| or | = orange |
| rs | = pink |

F423-0570506141

Right LED headlamp power output module 3, Vehicle electrical control module system, Right daytime running lamp and position lamp LED module, Right front turn signal bulb

- A29 Right LED headlamp power output module 3
- J519 Vehicle electrical control module system
- L177 Right daytime running lamp and position lamp LED module
- M7 Right front turn signal bulb
- T14b 14-pin connector
- T52a 52-pin connector
- T52c 52-pin connector

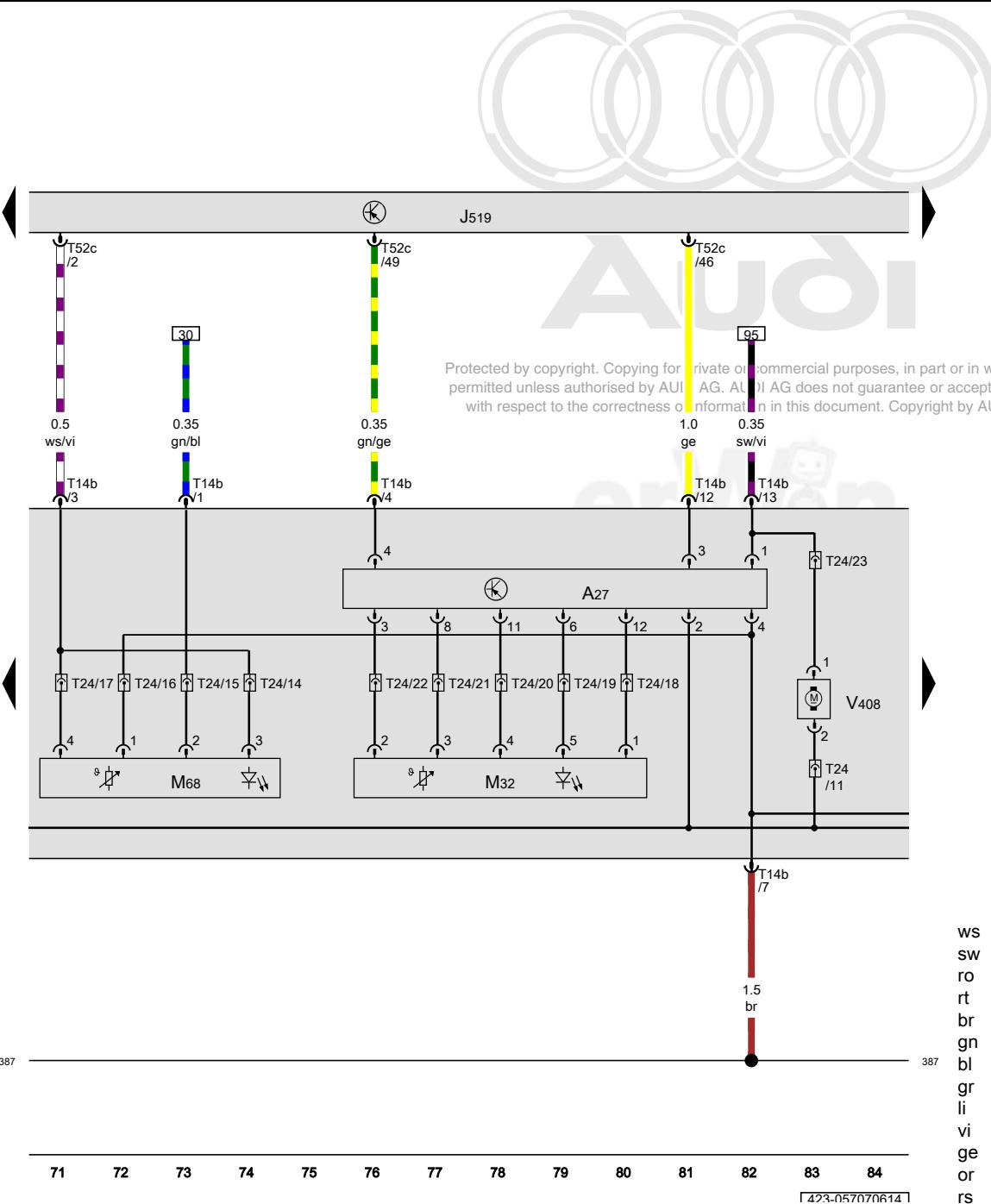
387 Ground connection 22 (in main wiring harness)



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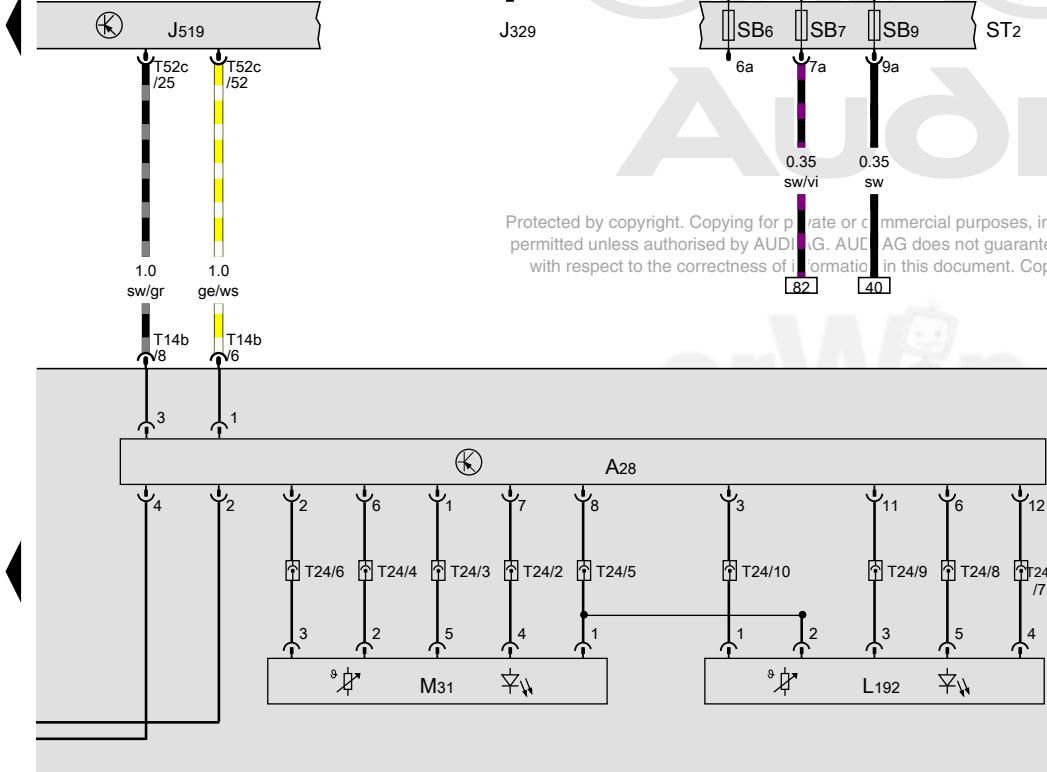


Right LED headlamp power output module 1, Vehicle electrical control module system, Right high beam headlamp bulb, Right auxiliary high beam bulb, Right headlamp fan

- A27 Right LED headlamp power output module 1
- J519 Vehicle electrical control module system
- M32 Right high beam headlamp bulb
- M68 Right auxiliary high beam bulb
- T14b 14-pin connector
- T24 24-pin connector, in the right headlamp
- T52c 52-pin connector
- V408 Right headlamp fan

387 Ground connection 22 (in main wiring harness)

| | |
|----|----------|
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Right LED headlamp power output module 2, Vehicle electrical control module system, Right low beam headlamp bulb 2, Right low beam headlamp bulb, Fuse panel 2

- A28 Right LED headlamp power output module 2
- J329 Terminal 15 power supply relay, Relay carrier in the right front footwell
- J519 Vehicle electrical control module system
- L192 Right low beam headlamp bulb 2
- M31 Right low beam headlamp bulb
- ST2 Fuse panel 2
- SB6 Fuse 6 (on fuse panel B)
- SB7 Fuse 7 (on fuse panel B)
- SB9 Fuse 9 (on fuse panel B)
- T14b 14-pin connector
- T24 24-pin connector, in the right headlamp
- T52c 52-pin connector
- 384 Ground connection 19 (in main wiring harness)
- 387 Ground connection 22 (in main wiring harness)
- 685 Ground connection 1 on right front longitudinal member
- B163 Positive connection 1 (15) (in interior wiring harness)



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

F423-0570R06141

1 Fuses

1.1 Overview of Fuses

1 - Fuses (SB) on fuse panel B

- Component Location [⇒ page 2](#)
- Position of fuses through May 2009 [⇒ page 2](#)
- Fuse Arrangements, from June 2009 [⇒ page 7](#)

2 - Fuses (SD) on main fuse panel

- Component Location and Position of Fuses [⇒ page 12](#)

3 - Fuses (S) on main distribution

- Component Location and Position of Fuses [⇒ page 15](#)

4 - Fuses (SC) on fuse panel C

- Component Location [⇒ page 17](#)
- Position of fuses, Coupé [⇒ page 17](#)
- Position of fuses, Spyder [⇒ page 21](#)

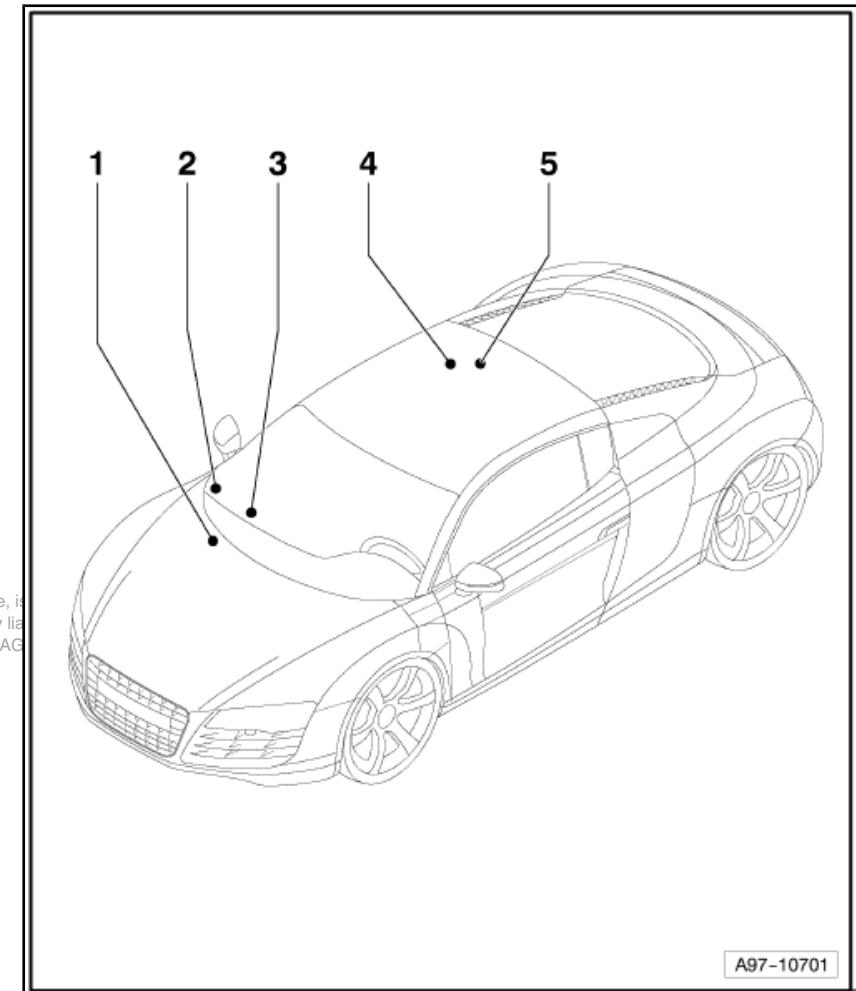
5 - Fuses on 9-point relay and fuse carrier

- Component Location and Position of Fuses [⇒ page 26](#)



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1.2 Fuses (SB) on fuse panel B

Component Location

In front right footwell -6-.

Fuse Colours

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

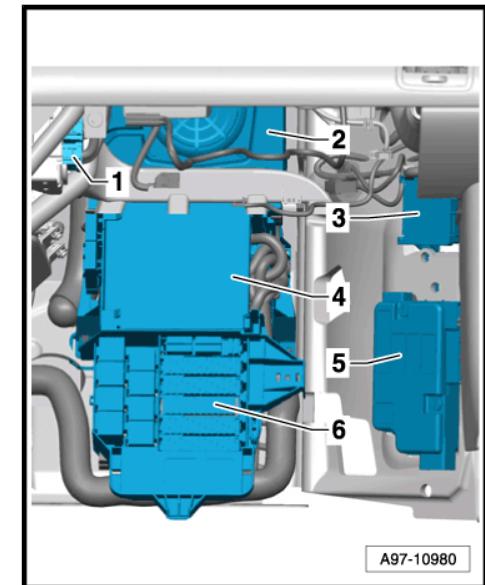
5 A - beige

Back to overview [⇒ page 1](#).



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1.2.1 Fuse Arrangements (on fuse panel B), through May 2009



1 - Fuse Carrier ST1, red

Not used

2 - Fuse Carrier ST2 (brown)

Position of fuses [⇒ page 3](#)

3 - Fuse Carrier ST3 (black)

Position of fuses [⇒ page 4](#)

4 - Fuse Carrier ST4 (red)

Position of fuses [⇒ page 4](#)

5 - Fuse Carrier ST5 (brown)

Position of fuses [⇒ page 5](#)

6 - Fuse Carrier ST6 (black)

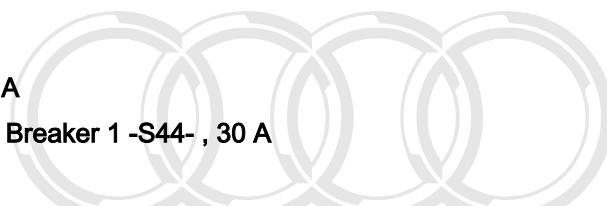
Position of fuses [⇒ page 6](#)

7 - Not used

8 - Not used

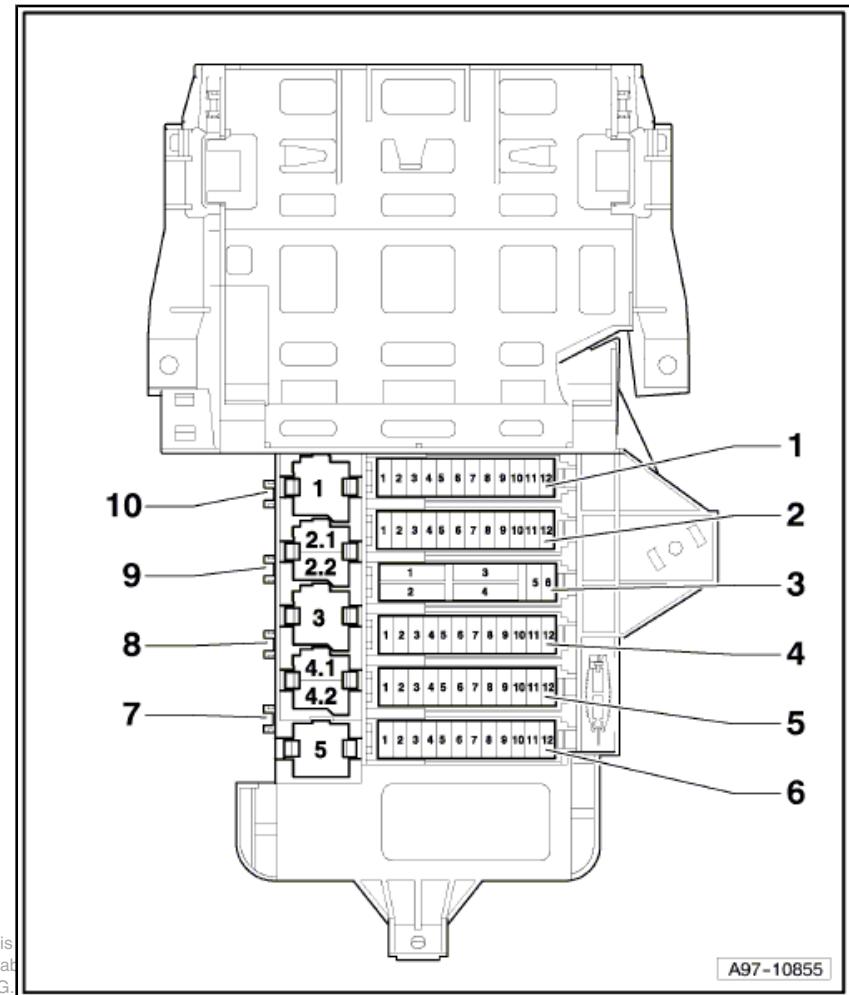
9 - ABS Control Module Fuse 1 -S123-, 40 A

10 - Driver's Power Seat Adjustment Circuit Breaker 1 -S44-, 30 A



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[Back to overview ⇒ page 2](#).

1.2.2 Position of Fuses Fuse Carrier ST2 (brown)

| No. | Designation in Wiring Diagram | Nominal Value | | Function/Component | Terminal |
|-----|-------------------------------|---------------|---|---|----------|
| 1 | - | 5 A | - | Cellular Telephone Preparation | 15 |
| 2 | - | 5 A | - | Left Washer Nozzle Heater -Z20- Right Washer Nozzle Heater -Z21- | 15 |

| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 10 A | - | Parking Aid Control Module -J446- | 15 |
| 4 | - | Not used | | | | |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 10 A | - | Light Switch -E1- Selector Lever Sensor Control Module -J587- Front Passenger Airbag Disabled Indicator Lamp -K145- 16-Pin Connector, Diagnostic Connector -T16- | 15 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 5 A | - | Data Bus On Board Diagnostic Interface -J533- | 15 |
| 7 | - | Not used | | | | |
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 10 A | - | Automatic Day/Night Interior Mirror -Y7- Garage Door Opener Control Module -J530- Garage Door Opener Control Head -E284- Vehicle Electrical System Control Module -J519- Windshield Washer Pump Relay -J576- Sockets Relay -J807- | 15 |
| 9 | - | Fuse 9 (on fuse panel B) -SB9- | 15 A | - | Windshield Washer Pump -V5- | 15 |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 10 A | - | ASR/ESP Button -E256- | 15 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 5 A | - | A/C Pressure/Temperature Sensor -G395- | 15 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 5 A | - | Airbag Control Module -J234- | 15 |

[Back to overview](#) [page 2](#).

1.2.3 Position of Fuses Fuse Carrier ST3 (black)

| No. | | Designation in Wiring Diagram | Nominal Value | | Function/Component | Terminal |
|-----|---|--------------------------------|---------------|---|---|----------|
| 1 | - | Fuse 1 (on fuse panel B) -SB1- | 40 A | - | Coolant Fan -V7- | 30 |
| 2 | - | Fuse 2 (on fuse panel B) -SB2- | 40 A | - | Coolant Fan 2 -V177- | 30 |
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 40 A | - | Vehicle Electrical System Control Module -J519- | 30 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 40 A | - | Vehicle Electrical System Control Module -J519- | 30 |
| 5 | - | Not used | | | | |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 40 A | - | Fresh Air Blower Control Module -J126- Fresh Air Blower -V2- | 30 |

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1.2.4 Position of Fuses Fuse Carrier ST4 (red)

| No. | | Designation in Wiring Diagram | Nominal Value | | Function/Component | Terminal |
|-----|--|-------------------------------|---------------|--|--------------------|----------|
| | | | | | | |

| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 1 | - | Fuse 1 (on fuse panel B) -SB1- | 5 A | - | Rear View Camera System Control Module -J772- | 30 |
| 2 | - | Fuse 2 (on fuse panel B) -SB2- | 10 A | - | Tire Pressure Monitoring Control Module -J502- | 30 |
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 5 A | - | Parking Aid Control Module -J446- | 30 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 5 A | - | Telephone Transceiver -R36- Cellular Telephone Preparation | 30 |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 5 A | - | Instrument Cluster Control Module -J285- | 30 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 5 A | - | Data Bus On Board Diagnostic Interface -J533- | 30 |
| 7 | - | Fuse 7 (on fuse panel B) -SB7- | 5 A | - | Steering Column Electronic Systems Control Module -J527- | 30 |
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 10 A | - | Brake Light Switch -F- Brake Pedal Switch -F47- 16-Pin Connector -T16-, diagnostic connector | 30 |
| 9 | - | Fuse 9 (on fuse panel B) -SB9- | 5 A | - | Rain/Light Recognition Sensor -G397- | 30 |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 5 A | - | Vehicle Electrical System Control Module -J519- Front Interior Light -W1- | 30 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 30 A | - | Digital Sound System Control Module -J525- | 30 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 20 A | - | Navigation System Control Module with CD Drive -J401- Radio -R- | 30 |

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1.2.5 Position of Fuses Fuse Carrier ST5 (brown)

| No. | | Designation in Wiring Diagram | Nominal Value | | Function/Component | Terminal |
|-----|---|--------------------------------|---------------|---|--|----------|
| 1 | - | Not used | | | | |
| 2 | - | Fuse 2 (on fuse panel B) -SB2- | 10 A | - | Rear Lid Central Locking Relay -J380- Rear Lid Unlock Motor -V139- | 30 |
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 10 A | - | Coolant Circulation Pump Relay -J151- ¹ After-Run Coolant Pump -V51- ¹ | 30 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 5 A | - | Special Functions Interface | 30 |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 30 A | - | Vehicle Electrical System Control Module -J519- | 30 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 15 A | - | Brake Booster Relay -J569- Brake System Vacuum Pump -V192- | 30 |
| 7 | - | Fuse 7 (on fuse panel B) -SB7- | 20 A | - | High Tone Horn -H2- Low Tone Horn -H7- Vehicle Electrical System Control Module -J519- Control Relay -J789- | 30 |

| | | | | | | |
|----|---|----------------------------------|------|---|---|----|
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 30 A | - | Wiper Motor Control Module -J400- Driver's Windshield Wiper Motor -V216- | 30 |
| 9 | - | Fuse 9 (on fuse panel B) -SB9- | 30 A | - | Front Passenger Windshield Wiper Motor Control Module -J584- Front Passenger's Windshield Wiper Motor -V217- | 30 |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 30 A | - | Headlamp Washer Relay -J39- Headlamp Washer Pump -V11- | 30 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 30 A | - | Vehicle Electrical System Control Module -J519- Heated Rear Window -Z1- | 30 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 20 A | - | Cigarette Lighter -U1- 12 V Socket -U5- 12 V Socket 2 -U18- | 30 |



Note

¹ Only models with 8-cylinder engine

Back to overview [⇒ page 2](#).

1.2.6 Position of Fuses Fuse Carrier ST6 (black)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|----------------------------------|---------------|---|----------|
| 1 | - Fuse 1 (on fuse panel B) -SB1- | 10 A | ABS Control Module -J104- | 30 |
| 2 | - Fuse 2 (on fuse panel B) -SB2- | 25 A | ABS Control Module -J104- | 30 |
| 3 | - Fuse 3 (on fuse panel B) -SB3- | 15 A | Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee the correctness of information in this document. Liability for damage resulting from the use of the information contained in this document is excluded unless intent or gross negligence is proven. Partition Window Defogger Relay -J884- Heated Partition Window -Z106- | 30 |
| 4 | - Not used | | | |
| 5 | - Fuse 5 (on fuse panel B) -SB5- | 20 A | Comfort System Central Control Module -J393- | 30 |
| 6 | - Fuse 6 (on fuse panel B) -SB6- | 20 A | Comfort System Central Control Module -J393- | 30 |
| 7 | - Fuse 7 (on fuse panel B) -SB7- | 5 A | Interior Monitoring Sensor -G273- Vehicle Inclination Sensor -G384- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12- | 30 |
| 8 | - Fuse 8 (on fuse panel B) -SB8- | 10 A | Climatronic Control Module -J255- | 30 |
| 9 | - Fuse 9 (on fuse panel B) -SB9- | 25 A | Climatronic Control Module -J255- Front Left Heated Seat -Z45- Front Right Heated Seat -Z46- | 30 |

| | | | | | | |
|----|---|----------------------------------|------|---|---|----|
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 10 A | - | Driver's Seat Lumbar Support Adjustment Switch -E176- Front Passenger's Seat Lumbar Support Adjustment Switch -E177- | 30 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 30 A | - | Driver's Door Control Module -J386- Front Passenger's Door Control Module -J387- | 30 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 10 A | - | Driver's Door Control Module -J386- Front Passenger's Door Control Module -J387- | 30 |

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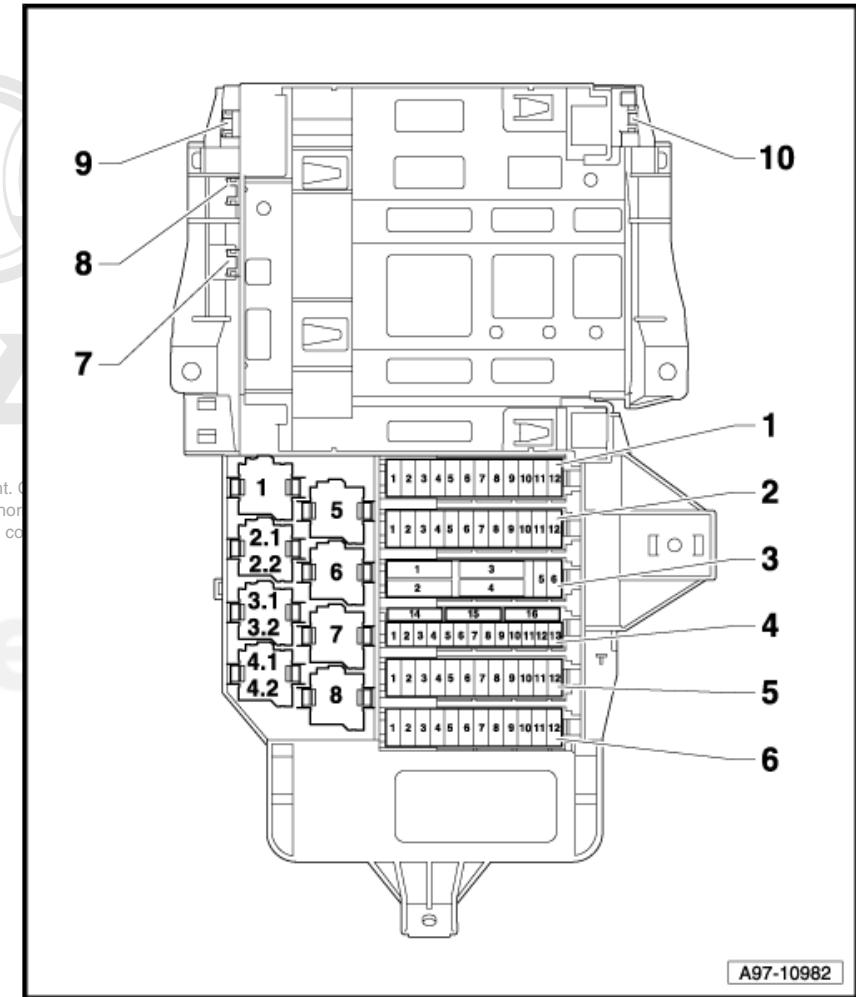
1.2.7 Fuse Arrangements (on fuse panel B), from June 2009



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- 1 - Fuse Carrier ST1, red
 Not used
- 2 - Fuse Carrier ST2 (brown)
 Position of fuses [page 8](#)
- 3 - Fuse Carrier ST3 (black)
 Position of fuses [page 9](#)
- 4 - Fuse Carrier ST4 (red)
 Position of fuses [page 10](#)
- 5 - Fuse Carrier ST5 (brown)
 Position of fuses [page 10](#)
- 6 - Fuse Carrier ST6 (black)
 Position of fuses [page 11](#)
- 7 - Not used
- 8 - Not used
- 9 - Driver's Power Seat Adjustment Circuit Breaker 1 -S44-, 30 A
- 10 - ABS Control Module Fuse 1 -S123-, 40 A

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1.2.8 Position of Fuses Fuse Carrier ST2 (brown)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|-------------------------------|---------------|---|----------|
| 1 | - | 5 A | - Cellular Telephone Preparation | 15 |
| 2 | - | 5 A | - Left Washer Nozzle Heater -Z20- Right Washer Nozzle Heater -Z21- | 15 |

| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 5 A | - | Parking Aid Control Module -J446- | 15 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 10 A | - | Rear Lid Central Locking Relay -J380- Rear Lid Unlock Motor -V139- | 15 |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 10 A | - | Light Switch -E1- Selector Lever Sensor Control Module -J587- Front Passenger Airbag Disabled Indicator Lamp -K145- 16-Pin Connector -T16-, diagnostic connector | 15 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 5 A | - | Data Bus On Board Diagnostic Interface -J533- | 15 |
| 7 | - | Not used | | | | |
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 10 A | - | Automatic Day/Night Interior Mirror -Y7- Garage Door Opener Control Module -J530- Garage Door Opener Control Head -E284- Vehicle Electrical System Control Module -J519- Windshield Washer Pump Relay -J576- Sockets Relay -J807- | 15 |
| 9 | - | Not used | | | | |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 10 A | - | ASR/ESP Button -E256- | 15 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 5 A | - | A/C Pressure/Temperature Sensor -G395- | 15 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 5 A | - | Airbag Control Module -J234- | 15 |

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1.2.9 Position of Fuses Fuse Carrier ST3 (black)

| No. | | Designation in Wiring Diagram | Nominal Value | | Function/Component | Terminal |
|-----|---|--------------------------------|---------------|---|---|----------|
| 1 | - | Fuse 1 (on fuse panel B) -SB1- | 40 A | - | Coolant Fan -V7- | 30 |
| 2 | - | Fuse 2 (on fuse panel B) -SB2- | 40 A | - | Coolant Fan 2 -V177- | 30 |
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 40 A | - | Vehicle Electrical System Control Module -J519- | 30 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 40 A | - | Vehicle Electrical System Control Module -J519- | 30 |
| 5 | - | Not used | | | | |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 40 A | - | Fresh Air Blower Control Module -J126- Fresh Air Blower -V2- | 30 |

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1.2.10 Position of Fuses Fuse Carrier ST4 (red)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|------------------------------------|---------------|---|----------|
| 1 | - Fuse 1 (on fuse panel B) -SB1- | 5 A | - Rear View Camera System Control Module -J772- | 30 |
| 2 | - Fuse 2 (on fuse panel B) -SB2- | 10 A | - Tire Pressure Monitoring Control Module -J502- | 30 |
| 3 | - Not used | | | |
| 4 | - Fuse 4 (on fuse panel B) -SB4- | 7,5 A | - Telephone Transceiver -R36- Amplifier for Telephone -R86- Cellular Telephone Preparation External Audio Source Connector -R199-, AMI | 30 |
| 5 | - Fuse 5 (on fuse panel B) -SB5- | 5 A | - Instrument Cluster Control Module -J285- | 30 |
| 6 | - Fuse 6 (on fuse panel B) -SB6- | 5 A | - Data Bus On Board Diagnostic Interface -J533- | 30 |
| 7 | - Fuse 7 (on fuse panel B) -SB7- | 5 A | - Steering Column Electronic Systems Control Module -J527- | 30 |
| 8 | - Fuse 8 (on fuse panel B) -SB8- | 10 A | - Brake Light Switch -F- Brake Pedal Switch -F47- 16-Pin Connector -T16-, diagnostic connector | 30 |
| 9 | - Fuse 9 (on fuse panel B) -SB9- | 5 A | - Rain/Light Recognition Sensor -G397- | 30 |
| 10 | - Fuse 10 (on fuse panel B) -SB10- | 5 A | - Light Switch -E1- | 30 |
| 11 | - Fuse 11 (on fuse panel B) -SB11- | 5 A | - Special Functions Interface | 30 |
| 12 | - Not used | | | |
| 13 | - Not used | | | |
| 14 | - Not used | | | |
| 15 | - Fuse 15 (on fuse panel B) -SB15- | 30 A | Digital Sound System Control Module -J525- | 30 |
| 16 | - Fuse 16 (on fuse panel B) -SB16- | 20 A | Radio -R- | 30 |

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1.2.11 Position of Fuses Fuse Carrier ST5 (brown)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|----------------------------------|---------------|---|----------|
| 1 | - Not used | | | |
| 2 | - Not used | | | |
| 3 | - Fuse 3 (on fuse panel B) -SB3- | 10 A | - Coolant Circulation Pump Relay -J151- ¹ After-Run Coolant Pump -V51- ¹ | 30 |

| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 4 | - | Not used | | | | |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 30 A | - | Vehicle Electrical System Control Module -J519- Power Supply Relay (terminal 15) -J329- | 30 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 15 A | - | Brake Booster Relay -J569- Brake System Vacuum Pump -V192- | 30 |
| 7 | - | Fuse 7 (on fuse panel B) -SB7- | 20 A | - | High Tone Horn -H2- Low Tone Horn -H7- Vehicle Electrical System Control Module -J519- Control Relay -J789- | 30 |
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 30 A | - | Wiper Motor Control Module -J400- Driver's Windshield Wiper Motor -V216- | 30 |
| 9 | - | Fuse 9 (on fuse panel B) -SB9- | 30 A | - | Front Passenger Windshield Wiper Motor Control Module -J584- Front Passenger's Windshield Wiper Motor -V217- | 30 |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 30 A | - | Headlamp Washer Relay -J39- Headlamp Washer Pump -V11- | 30 |
| 11 | - | Not used | | | | |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 20 A | - | Cigarette Lighter -U1- 12 V Socket -U5- 12 V Socket 2 -U18- | 30 |



Note

¹ Only models with 8-cylinder engine

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1.2.12 Position of Fuses Fuse Carrier ST6 (black)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal | |
|-----|-------------------------------|--------------------------------|--------------------|--|----|
| 1 | - | Fuse 1 (on fuse panel B) -SB1- | 10 A | - ABS Control Module -J104- | 30 |
| 2 | - | Fuse 2 (on fuse panel B) -SB2- | 25 A | - ABS Control Module -J104- | 30 |
| 3 | - | Fuse 3 (on fuse panel B) -SB3- | 15 A | - Partition Window Defogger Relay -J884- Heated Partition Window -Z106- | 30 |
| 4 | - | Fuse 4 (on fuse panel B) -SB4- | 30 A 20 A | - Heated Rear Window -Z1- , Coupé Heated Rear Window -Z1- , Spyder | 30 |
| 5 | - | Fuse 5 (on fuse panel B) -SB5- | 20 A | - Vehicle Electrical System Control Module -J519- | 30 |
| 6 | - | Fuse 6 (on fuse panel B) -SB6- | 20 A | - Vehicle Electrical System Control Module -J519- | 30 |

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|----|---|----------------------------------|------|---|--|----|
| 7 | - | Fuse 7 (on fuse panel B) -SB7- | 5 A | - | Interior Monitoring Sensor -G273- Vehicle Inclination Sensor -G384- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12- Front Interior Light -W1- | 30 |
| 8 | - | Fuse 8 (on fuse panel B) -SB8- | 10 A | - | Climatronic Control Module -J255- | 30 |
| 9 | - | Fuse 9 (on fuse panel B) -SB9- | 25 A | - | Climatronic Control Module -J255- Front Left Heated Seat -Z45- Front Right Heated Seat -Z46- | 30 |
| 10 | - | Fuse 10 (on fuse panel B) -SB10- | 10 A | - | Driver's Seat Lumbar Support Adjustment Switch -E176- Front Passenger's Seat Lumbar Support Adjustment Switch -E177- | 30 |
| 11 | - | Fuse 11 (on fuse panel B) -SB11- | 30 A | - | Driver's Door Control Module -J386- <small>Front Passenger's Door Control Module -J387-</small> | 30 |
| 12 | - | Fuse 12 (on fuse panel B) -SB12- | 10 A | - | <small>Driver's Door Control Module -J386- Front Passenger's Door Control Module -J387-</small> | 30 |

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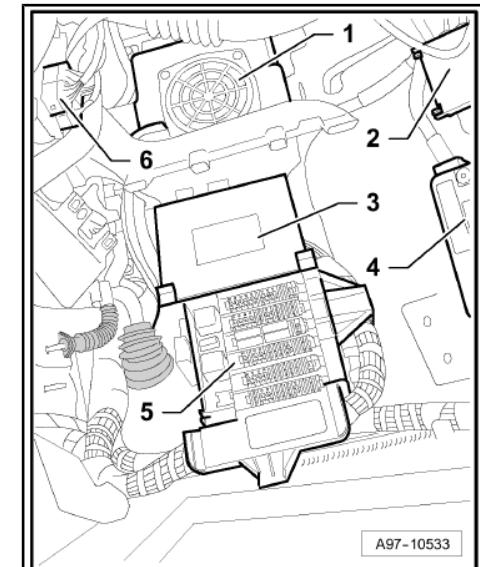
1.3 Fuses (SD) on main fuse panel

Component Location, through May 2009

In front right footwell -4-.

- 1 - Center Speaker -R148-
- 2 - Main Distribution
- 3 - Vehicle Electrical System Control Module -J519-
- 4 - Main Fuse Panel
- 5 - Relay and fuse carrier (in front right footwell)
- 6 - Connector station behind right center console

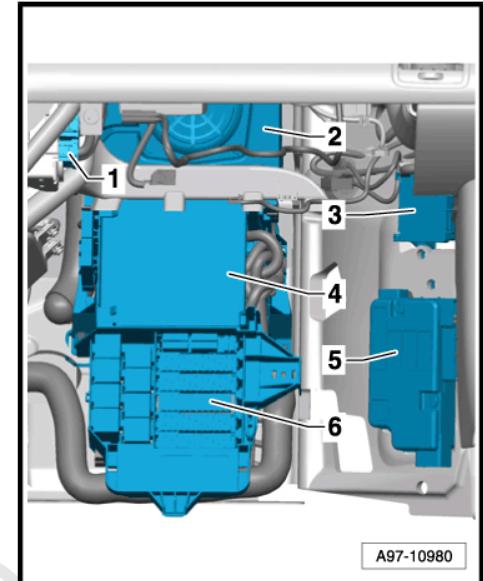
Component Location, from June 2009



In front right footwell -5-.

- 1 - Connector station behind right center console
- 2 - Center Speaker -R148-
- 3 - Main Distribution
- 4 - Vehicle Electrical System Control Module -J519-
- 5 - Main Fuse Panel
- 6 - Relay and fuse carrier (in front right footwell)

Position of fuses



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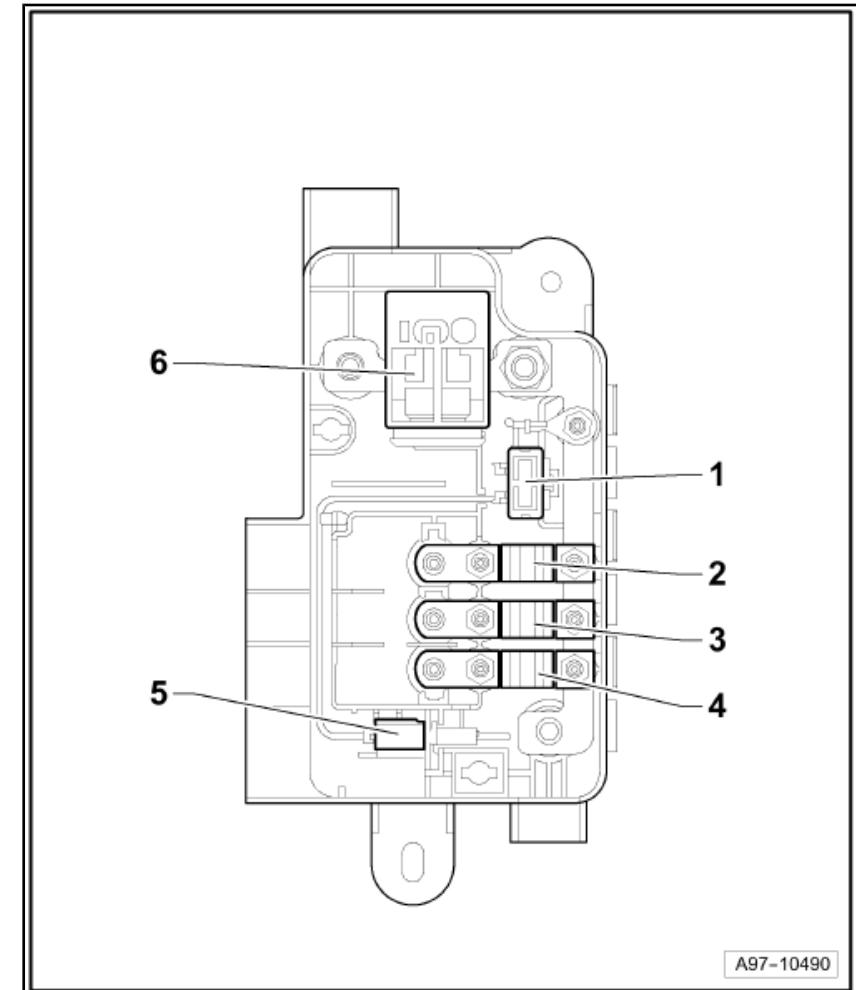
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- 1 - Fuse 4 (on fuse panel D) -SD4-, 5 A for vehicle electrical system control module -J519-
- 2 - Fuse 1 (on fuse panel D) -SD1-, 100 A, terminal 30 supply fuse panel in relay and fuse carrier front right footwell, through May 2008
- 2 - Fuse 1 (on fuse panel D) -SD1-, 150 A, terminal 30 supply fuse panel in relay and fuse carrier front right footwell, from June 2008
- 3 - Fuse 2 (on fuse panel D) -SD2-, 100 A, terminal 30 supply fuse panel in relay and fuse carrier front right footwell
- 4 - Fuse 3 (on fuse panel D) -SD3-, 60 A, for ABS control module -J104-
- 5 - Reference voltage terminal 30 (Double Connector -T2p-), 5 A, black
- 6 -
Battery Interrupt Igniter -N253- / Double Connector -T2b-



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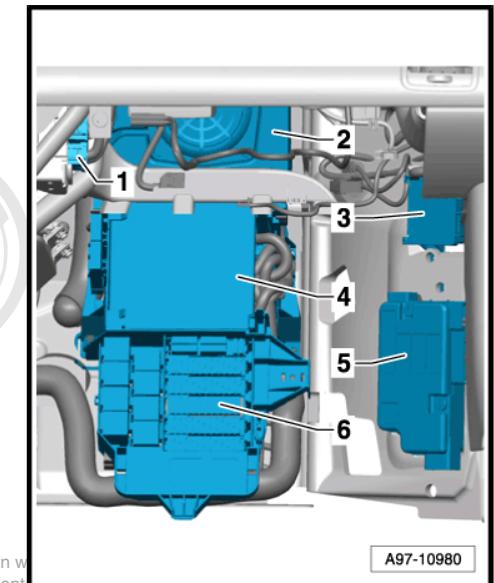
1.4 Fuses (S) on main distribution

Component Location

In front right footwell -3-.

- 1 - Connector station behind right center console
- 2 - Center Speaker -R148-
- 3 - Main Distribution
- 4 - Vehicle Electrical System Control Module -J519-
- 5 - Main Fuse Panel
- 6 - Relay and fuse carrier (in front right footwell)

Position of fuses



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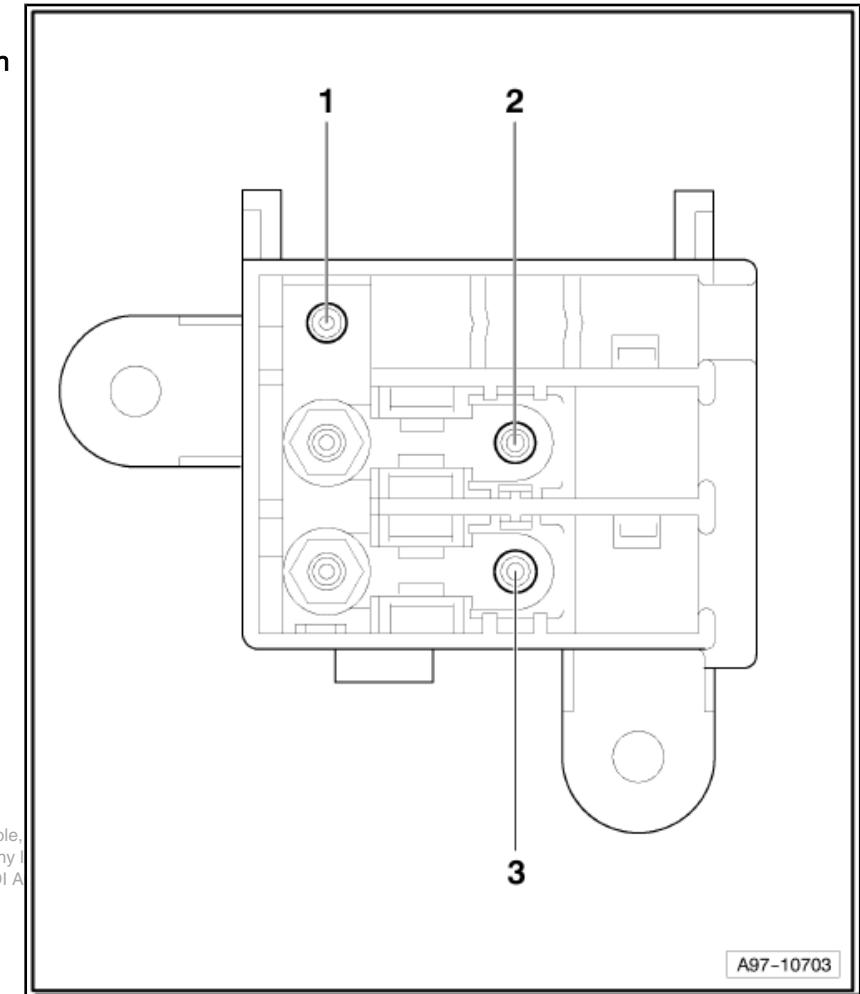
1 - Wire connector from battery -A-

2 - Fuse 2 - terminal 30 -S205- , strip fuse 60 A, supply fuse carrier ST3 on relay and fuse carrier in front right footwell

3 - Fuse 1 - terminal 30 -S204- , strip fuse 150 A, supply fuse carrier ST3 on relay and fuse carrier in front right footwell



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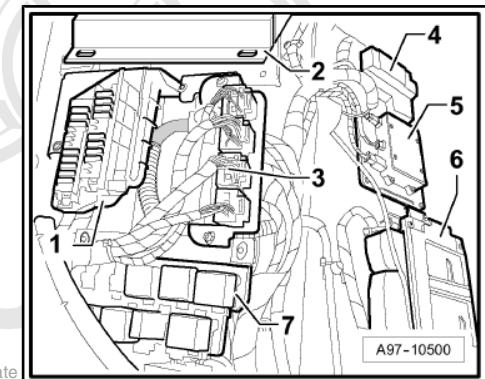
A97-10703

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1.5 Position of fuses (SC) on fuse panel C

Component Location

Below right parcel shelf -1-, Coupé.



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Behind the right rear wall -1-, Spyder.

Fuse Colours

100 A - blue

60 A - yellow

40 A - orange

30 A - green

25 A - white

20 A - yellow

15 A - blue

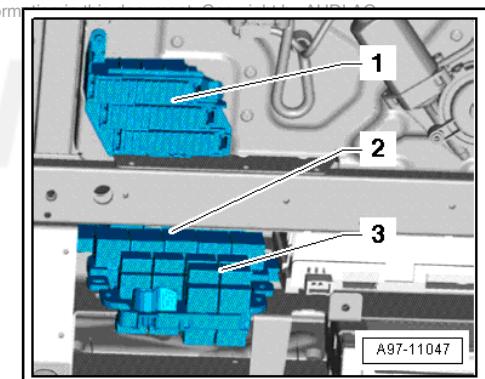
10 A - red

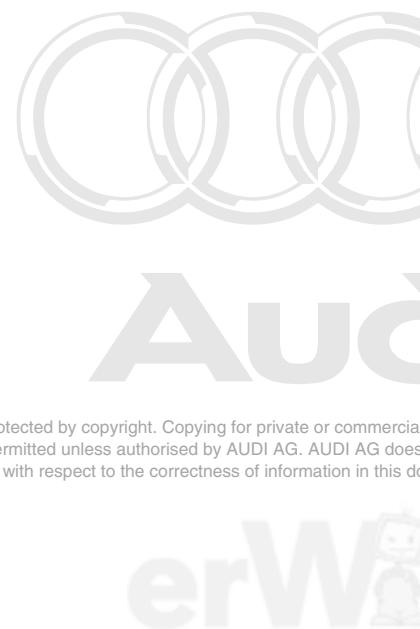
7,5 A - brown

5 A - beige

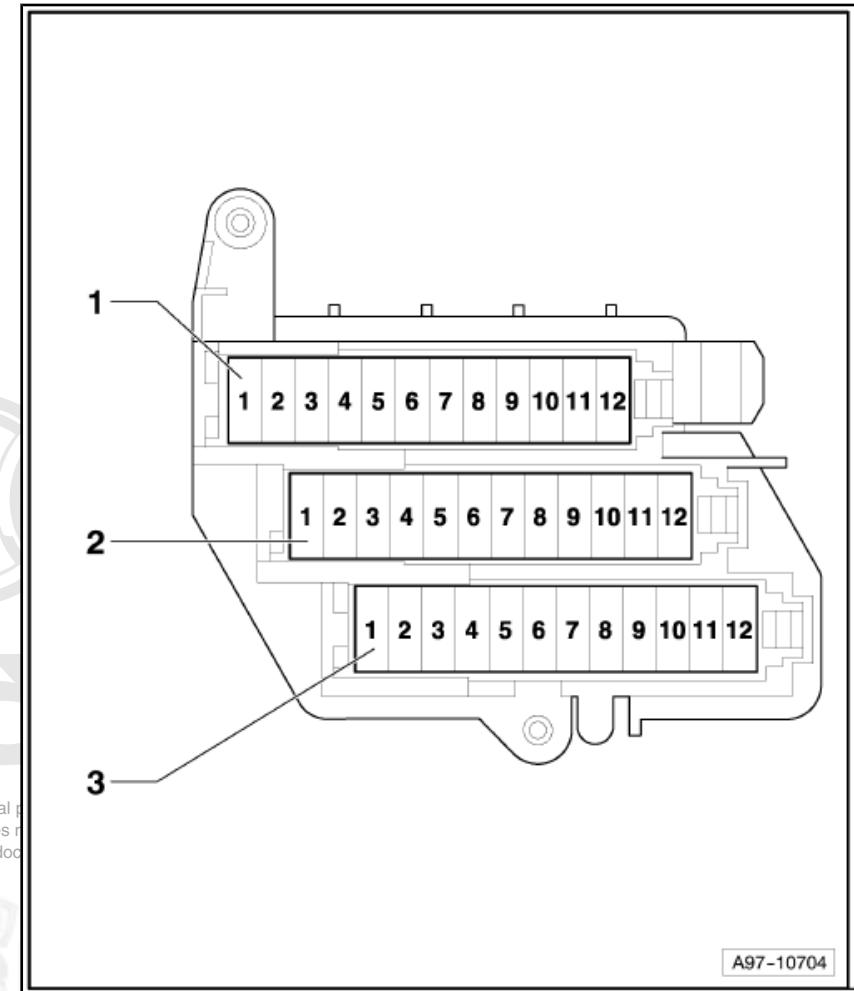
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1.5.1 Position of fuses, Coupé



1 - Fuse Carrier ST1 (black) Position of fuses [page 18](#)**2 - Fuse Carrier ST2 (red)** Not used**3 - Fuse Carrier ST3 (black)** Position of fuses, V8 engine [page 19](#) Position of fuses, V10 engine [page 20](#)

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1.5.2 Position of Fuses Fuse Carrier ST1 (black)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|----------------------------------|---------------|---|----------|
| 1 | - Fuse 1 (on fuse panel C) -SC1- | 10 A 5 A | - Transmission Control Module (TCM) -J217- Back-Up Light Switch -F4- | 15 |

| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 2 | - | Fuse 2 (on fuse panel C) -SC2- | 5 A | - | Engine Control Module (ECM) -J623- Engine Control Module (ECM) 2 -J624- | 15 |
| 3 | - | Fuse 3 (on fuse panel C) -SC3- | 5 A | - | Oil Level Thermal Sensor -G266- | 15 |
| 4 | - | Fuse 4 (on fuse panel C) -SC4- | 5 A | - | Electronic Damping Control Module -J250- | 15 |
| 5 | - | Not used | | | | |
| 6 | - | Not used | | | | |
| 7 | - | Fuse 7 (on fuse panel C) -SC7- | 5 A | - | Engine Control Module (ECM) -J623- Engine Control Module (ECM) 2 -J624- | 30 |
| 8 | - | Fuse 8 (on fuse panel C) -SC8- | 30 A | - | Transmission Hydraulic Pump Relay -J510- Transmission Hydraulic Pump -V387- | 30 |
| 9 | - | Fuse 9 (on fuse panel C) -SC9- | 25 A | - | Transmission Control Module (TCM) -J217- | 30 |
| 10 | - | Fuse 10 (on fuse panel C) -SC10- | 30 A | - | Electronic Damping Control Module -J250- | 30 |
| 11 | - | Not used | | | | |
| 12 | - | Not used | | | | |

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1.5.3 Position of Fuses Fuse Carrier ST3, black, V8 engine

| No. | | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|---|--------------------------------|---------------|---|----------|
| 1 | - | Fuse 1 (on fuse panel C) -SC1- | 15 A | Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- ¹ Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ¹ | 87 |
| 2 | - | Fuse 2 (on fuse panel C) -SC2- | 15 A | Heated Oxygen Sensor (HO2S) -G39- ¹ Oxygen Sensor (O2S) Heater -Z19- ¹ | 87 |
| 3 | - | Fuse 3 (on fuse panel C) -SC3- | 15 A | Mass Air Flow (MAF) Sensor -G70- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Fuel Metering Valve -N290- Intake Manifold Runner Control (IMRC) Valve -N316- Exhaust Flap Valve 1 -N321- Leak Detection Pump (LDP) -V144- | 87 |
| 4 | - | Not used | | | |

| | | | | | | |
|----|---|----------------------------------|------|---|---|----|
| 5 | - | Fuse 5 (on fuse panel C) -SC5- | 15 A | - | Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- ² Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ² | |
| 6 | - | Fuse 6 (on fuse panel C) -SC6- | 15 A | - | Heated Oxygen Sensor (HO2S) -G39- ² Oxygen Sensor (O2S) Heater -Z19- ² | |
| 7 | - | Fuse 7 (on fuse panel C) -SC7- | 10 A | - | Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319- | 87 |
| 8 | - | Fuse 8 (on fuse panel C) -SC8- | 30 A | - | Ignition Coils -N....- | 87 |
| 9 | - | Fuse 9 (on fuse panel C) -SC9- | 15 A | - | Injectors -N....- | 87 |
| 10 | - | Fuse 10 (on fuse panel C) -SC10- | 5 A | - | Brake Light Switch -F- Brake Pedal Switch -F47- Clutch Position Sensor -G476- | 87 |
| 11 | - | Fuse 11 (on fuse panel C) -SC11- | 5 A | - | Coolant Fan -V7- Coolant Fan 2 -V177- | 87 |
| 12 | - | Not used | | | | |



Note

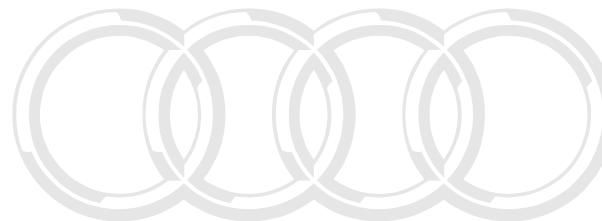
◆ ¹ Through June 2010

◆ ² From July 2010

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1.5.4 Position of Fuses Fuse Carrier ST3, black, V10 engine

| No. | | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|---|-------------------------------|---------------|---|----------|
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| 2 | - | Not used | | | |



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| | | | | | | |
|----|---|----------------------------------|------|---|--|----|
| 3 | - | Fuse 3 (on fuse panel C) -SC3- | 15 A | - | Intake Air Temperature (IAT) Sensor -G42- Mass Air Flow (MAF) Sensor -G70- Mass Air Flow (MAF) Sensor 2 -G246- Intake Air Temperature (IAT) Sensor 2 -G299- Secondary Air Injection (AIR) Pump Relay -J299- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 -N115- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Fuel Metering Valve -N290- Intake Manifold Change-Over Valve -N335- Fuel Metering Valve 2 -N402- Leak Detection Pump (LDP) -V144- | 87 |
| 4 | - | Not used | | | | |
| 5 | - | Fuse 5 (on fuse panel C) -SC5- | 15 A | - | 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 |
| 6 | - | Fuse 6 (on fuse panel C) -SC6- | 15 A | - | Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 2 -Z28- | 87 |
| 7 | - | Fuse 7 (on fuse panel C) -SC7- | 10 A | - | Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Intake Manifold Runner Control (IMRC) Valve -N316- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319- | 87 |
| 8 | - | Fuse 8 (on fuse panel C) -SC8- | 30 A | - | Ignition Coils -N....- | 87 |
| 9 | - | Fuse 9 (on fuse panel C) -SC9- | 15 A | - | Injectors -N....- | 87 |
| 10 | - | Fuse 10 (on fuse panel C) -SC10- | 5 A | - | Brake Light Switch -F- Brake Pedal Switch -F47- Clutch Position Sensor -G476- | 87 |
| 11 | - | Fuse 11 (on fuse panel C) -SC11- | 5 A | - | Coolant Fan -V7- Coolant Fan 2 -V177- | 87 |
| 12 | - | Not used | | | | |

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1.5.5 Position of fuses, Spyder:

1 - Fuse Carrier ST1 (black)

Position of fuses [page 22](#)

2 - Fuse Carrier ST2 (black)

Position of fuses [page 23](#)

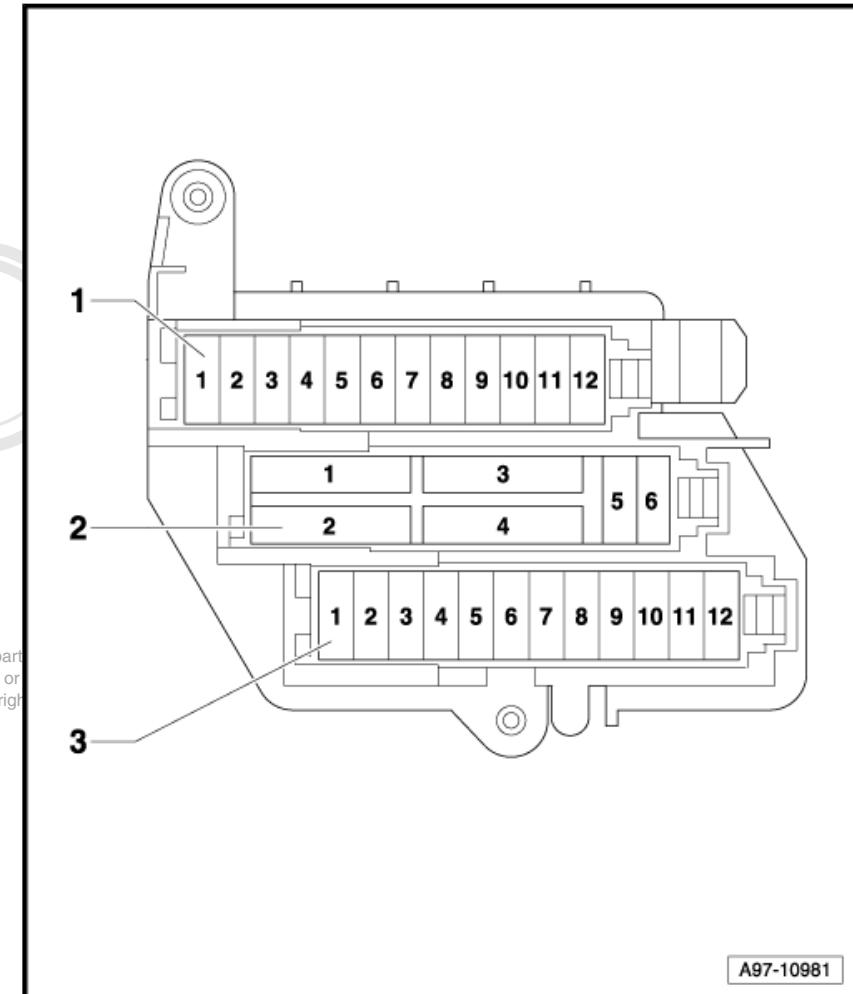
3 - Fuse Carrier ST3 (black)

Position of fuses, V8 engine [page 24](#)

Position of fuses, V10 engine [page 25](#)



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1.5.6 Position of Fuses Fuse Carrier ST1 (black)

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|----------------------------------|---------------|---|----------|
| 1 | - Fuse 1 (on fuse panel C) -SC1- | 10 A 5 A | - Transmission Control Module (TCM) -J217- Back-Up Light Switch -F4- | 15 |

| | | | | | | |
|----|---|----------------------------------|------|---|---|----|
| 2 | - | Fuse 2 (on fuse panel C) -SC2- | 5 A | - | Engine Control Module (ECM) -J623- Engine Control Module (ECM) 2 -J624- | 15 |
| 3 | - | Fuse 3 (on fuse panel C) -SC3- | 5 A | - | Oil Level Thermal Sensor -G266- | 15 |
| 4 | - | Fuse 4 (on fuse panel C) -SC4- | 5 A | - | Electronic Damping Control Module -J250- | 15 |
| 5 | - | Not used | | | | |
| 6 | - | Not used | | | | |
| 7 | - | Fuse 7 (on fuse panel C) -SC7- | 5 A | - | Engine Control Module (ECM) -J623- Engine Control Module (ECM) 2 -J624- | 30 |
| 8 | - | Fuse 8 (on fuse panel C) -SC8- | 30 A | - | Transmission Hydraulic Pump Relay -J510- Transmission Hydraulic Pump -V387- | 30 |
| 9 | - | Fuse 9 (on fuse panel C) -SC9- | 25 A | - | Transmission Control Module (TCM) -J217- | 30 |
| 10 | - | Fuse 10 (on fuse panel C) -SC10- | 30 A | - | Protected by copyright. Copying for private or commercial purposes, in part or in whole, is permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG. Electronic Damping Control Module -J250- | 30 |
| 11 | - | Not used | | | | |
| 12 | - | Not used | | | | |

[Back to overview](#) [page 21](#).

1.5.7 Position of Fuses Fuse Carrier ST2 (black)

| No. | | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|---|--------------------------------|---------------|---|----------|
| 1 | - | Fuse 1 (on fuse panel C) -SC1- | 40 A | - Convertible Top Hydraulic Pump Relay -J321- Convertible Top Hydraulic Pump Relay 2 -J588- Convertible Top Hydraulic Pump -V118- | 30 |
| 2 | - | Fuse 2 (on fuse panel C) -SC2- | 30 A | - Convertible Top Control Module -J256- | 30 |
| 3 | - | Fuse 3 (on fuse panel C) -SC3- | 30 A | - Rear Window Motor -V456- | 30 |
| 4 | - | Not used | | | |
| 5 | - | Not used | | | |
| 6 | - | Fuse 6 (on fuse panel C) -SC6- | 10 A | - Convertible Top Control Module -J256- | 30 |
| 7 | - | Not used | | | |
| 8 | - | Not used | | | |
| 9 | - | Not used | | | |
| 10 | - | Not used | | | |
| 11 | - | Not used | | | |
| 12 | - | Not used | | | |

[Back to overview](#) [page 21](#).

1.5.8 Position of Fuses Fuse Carrier ST3, black, V8 engine

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|------------------------------------|---------------|--|----------|
| 1 | - Fuse 1 (on fuse panel C) -SC1- | 15 A | - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- ¹ Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ¹ | 87 |
| 2 | - Fuse 2 (on fuse panel C) -SC2- | 15 A | - Heated Oxygen Sensor (HO2S) -G39- ¹ Oxygen Sensor (O2S) Heater -Z19- ¹ | 87 |
| 3 | - Fuse 3 (on fuse panel C) -SC3- | 15 A | - Mass Air Flow (MAF) Sensor -G70- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Fuel Metering Valve -N290- Fuse 6 (on fuse panel C) -SC6- Intake Manifold Runner Control (IMRC) Valve -N316- Exhaust Flap Valve 1 -N321- Leak Detection Pump (LDP) -V144- | 87 |
| 4 | - Not used | | | |
| 5 | - Fuse 5 (on fuse panel C) -SC5- | 15 A | - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- ² Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ² | 87 |
| 6 | - Fuse 6 (on fuse panel C) -SC6- | 15 A | - Heated Oxygen Sensor (HO2S) -G39- ² Oxygen Sensor (O2S) Heater -Z19- ² | 87 |
| 7 | - Fuse 7 (on fuse panel C) -SC7- | 10 A | - Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319- | 87 |
| 8 | - Fuse 8 (on fuse panel C) -SC8- | 30 A | - Ignition Coils -N....- | 87 |
| 9 | - Fuse 9 (on fuse panel C) -SC9- | 15 A | - Injectors -N....- | 87 |
| 10 | - Fuse 10 (on fuse panel C) -SC10- | 5 A | - Brake Light Switch -F- Brake Pedal Switch -F47- Clutch Position Sensor -G476- | 87 |
| 11 | - Fuse 11 (on fuse panel C) -SC11- | 5 A | - Coolant Fan -V7- Coolant Fan 2 -V177- | 87 |
| 12 | - Not used | | | |

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Note

◆ ¹ Through June 2010

◆ ² From July 2010

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1.5.9 Position of Fuses Fuse Carrier ST3, black, V10 engine

| No. | Designation in Wiring Diagram | Nominal Value | Function/Component | Terminal |
|-----|--------------------------------|---------------|--|----------|
| 1 | - Not used | | | |
| 2 | - Not used | | | |
| 3 | Fuse 3 (on fuse panel C) -SC3- | 15 A | <ul style="list-style-type: none"> - Intake Air Temperature (IAT) Sensor -G42- Mass Air Flow (MAF) Sensor -G70- Mass Air Flow (MAF) Sensor 2 -G246- Intake Air Temperature (IAT) Sensor 2 -G299- Secondary Air Injection (AIR) Pump Relay -J299- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 -N115- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Fuel Metering Valve -N290- Intake Manifold Change-Over Valve -N335- Fuel Metering Valve 2 -N402- Leak Detection Pump (LDP) -V144- | 87 |
| 4 | - Not used | | | |
| 5 | Fuse 5 (on fuse panel C) -SC5- | 15 A | <ul style="list-style-type: none"> 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 |
| 6 | Fuse 6 (on fuse panel C) -SC6- | 15 A | <ul style="list-style-type: none"> Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 2 -Z28- | 87 |
| 7 | Fuse 7 (on fuse panel C) -SC7- | 10 A | <ul style="list-style-type: none"> Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Intake Manifold Runner Control (IMRC) Valve -N316- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319- | 87 |

| | | | | | | |
|----|---|----------------------------------|------|---|---|----|
| 8 | - | Fuse 8 (on fuse panel C) -SC8- | 30 A | - | Ignition Coils -N....- | 87 |
| 9 | - | Fuse 9 (on fuse panel C) -SC9- | 15 A | - | Injectors -N....- | 87 |
| 10 | - | Fuse 10 (on fuse panel C) -SC10- | 5 A | - | Brake Light Switch -F- Brake Pedal Switch -F47- Clutch Position Sensor -G476- | 87 |
| 11 | - | Fuse 11 (on fuse panel C) -SC11- | 5 A | - | Coolant Fan -V7- Coolant Fan 2 -V177- | 87 |
| 12 | - | Not used | | | | |

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1.6 Fuses on 9-point relay and fuse carrier

Component Location

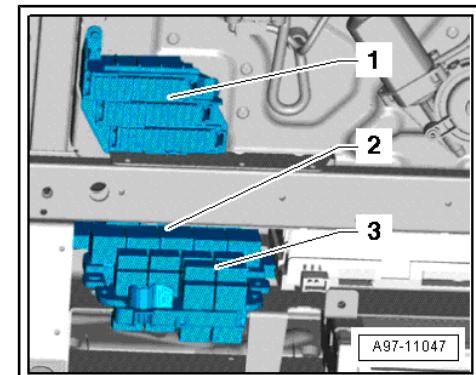
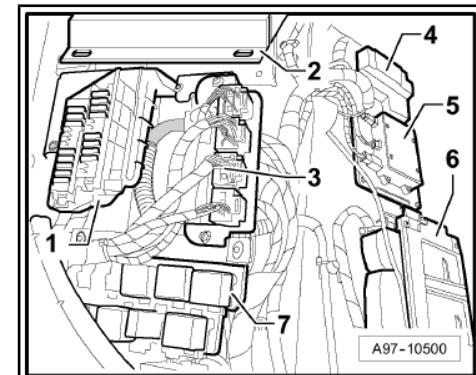
Below right parcel shelf -7-, Coupé.



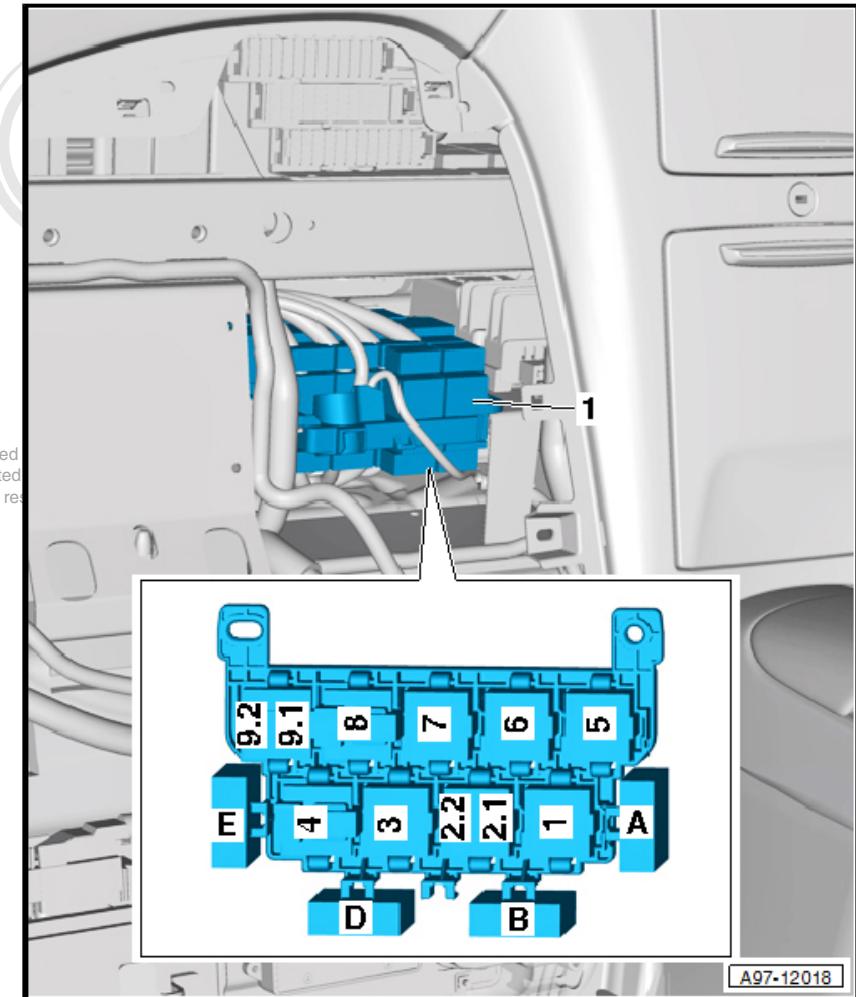
Behind the right rear wall -2-, Spyder.

Position of fuses

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- A - Secondary Air Injection (AIR) Pump Fuse -S130- , 50 A
- B - Fuel Pump (FP) Fuse -S81- , 40 A
- D - Secondary Air Injection (AIR) Pump Fuse 2 -S284- , 50 A
- E - Not used, Coupé
- E - Convertible Top Fuse -S67- , 80 A Spyder



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1 Connector stations and connectors of wiring harnesses

1.1 Overview of connector stations and pin connectors

1 - Connector station glove compartment

- Connector -T6c-
- Component Location [⇒ page 6](#)

2 - Connector station behind right center console

- Pin Connectors -T17-, -T17a-, -T17b-, -T17c-
- Component Location [⇒ page 4](#)

3 - Connector station below right front seat

- Pin Connectors -T10f-, -T6e-, -T10d-, -T3e-
- Component Location [⇒ page 2](#)

4 - Connector stations below right parcel shelf

- Pin Connectors -T17d-, -T17e-, -T17f-, -T17g-
- Component Location [⇒ page 2](#)

5 - Connector station, rear bumper

- Connector -T14d-
- Component Location [⇒ page 7](#)

6 - Connector station below left front seat

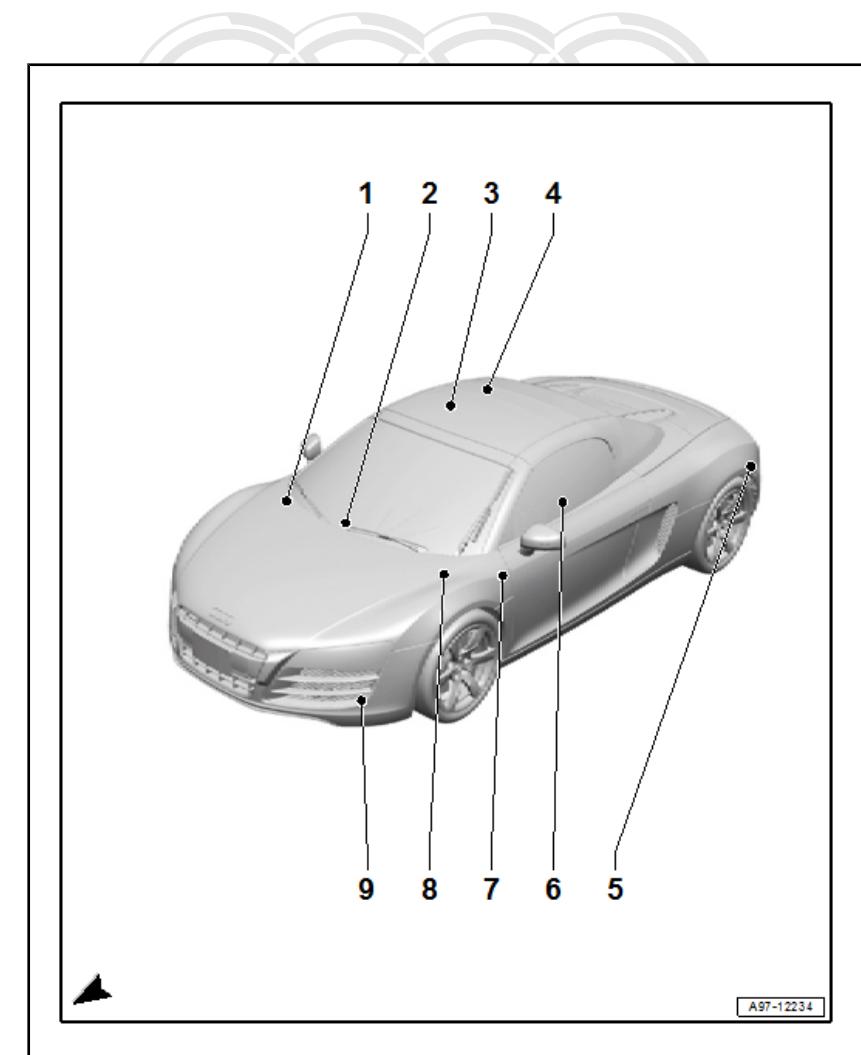
- Pin Connectors -T10e-, -T6d-, -T10c-, -T3d-
- Component Location [⇒ page 3](#)

7 - Connector station A-pillar, left

- Pin Connectors -T17k-, -T17l-
- Component Location [⇒ page 5](#)

8 - Diagnostic Coupling

- Connector -T16-
- Component Location [⇒ page 4](#)



9 - Connector station, front bumper

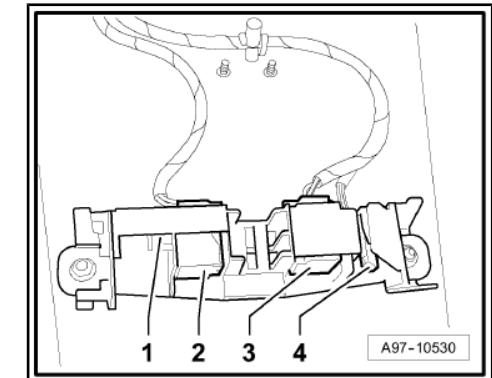
- Connector -T14e-
- Component Location [⇒ page 8](#)

1.2 Connector station below right front seat**Component Location**

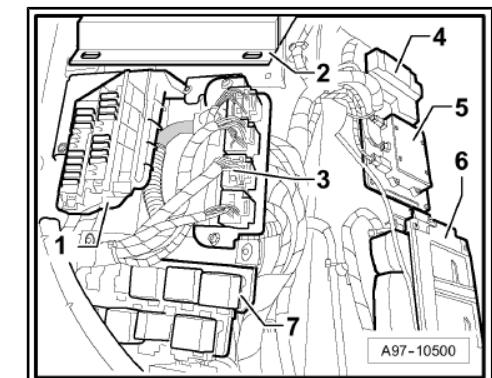
Below right front seat.

- 1 - 10-Pin Connector -T10f- , black
- 2 - 6-Pin Connector -T6e- , green
- 3 - 10-Pin Connector -T10d- , red
- 4 - 3-Pin Connector -T3e- , yellow

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**1.3 Connector stations below right parcel shelf****Component Location**

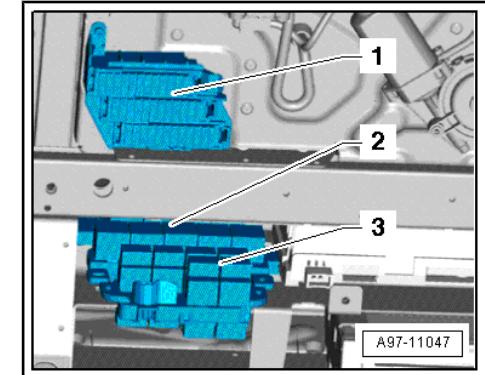
Below right parcel shelf -3-, Coupé.



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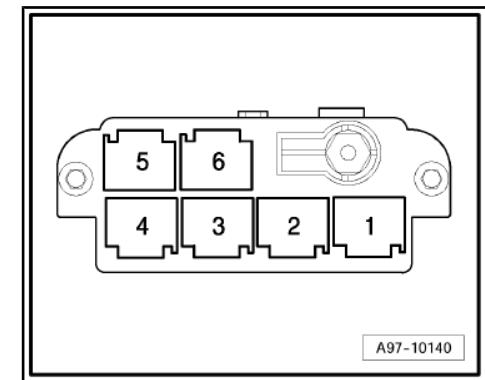
Behind the right rear wall -3-, Spyder.



Assignment

- 1 - 17-Pin Connector -T17d- , brown
- 2 - 17-Pin Connector -T17e- , red
- 3 - 17-Pin Connector -T17f- , white
- 4 - 17-Pin Connector -T17g- , black
- 5 - Not used
- 6 - Not used

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1.4 Connector station below left front seat

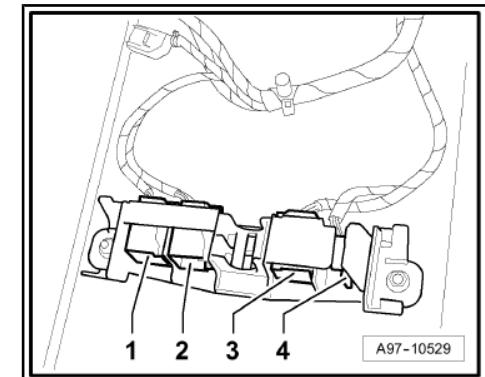
Component Location

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- 1 - 10-Pin Connector -T10e- , black
- 2 - 6-Pin Connector -T6d- , green
- 3 - 10-Pin Connector -T10c- , red
- 4 - 3-Pin Connector -T3d- , yellow

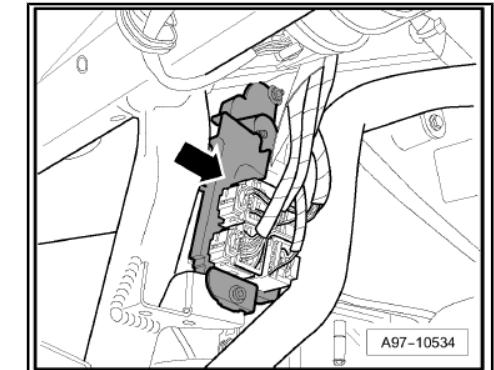
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1.5 Connector station behind right center console

Component Location

Behind glove compartment, left -Arrow-.



Assignment

- 1 - Not used
- 2 - Not used
- 3 - 17-Pin Connector -T17- , red
- 4 - 17-Pin Connector -T17a- , black
- 5 - 17-Pin Connector -T17b- , brown
- 6 - 17-Pin Connector -T17c- , blue

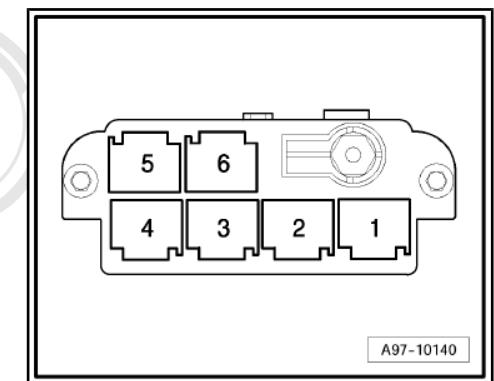
[Back to overview](#) [page 1](#).

1.6 Diagnostic Coupling

Component Location

Behind driver's stowage compartment.

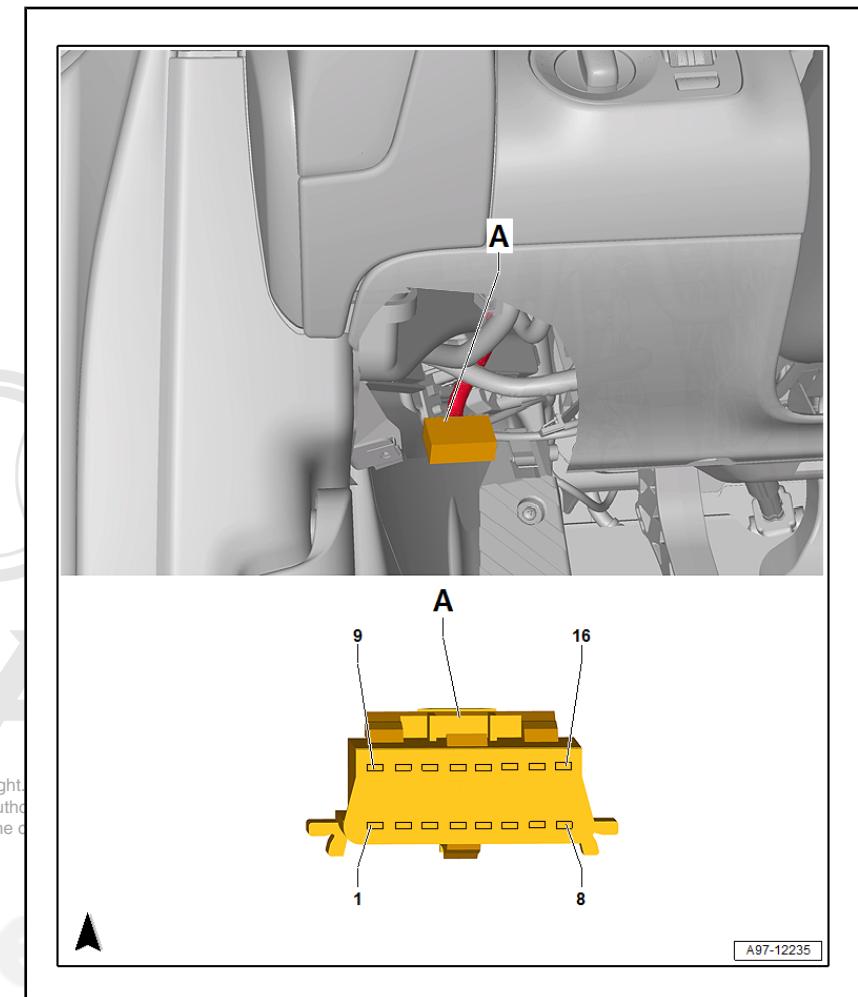
Connector



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A - 16-Pin Connector -T16-



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1.7 Connector station A-pillar, left

Component Location

Behind left A-pillar trim.

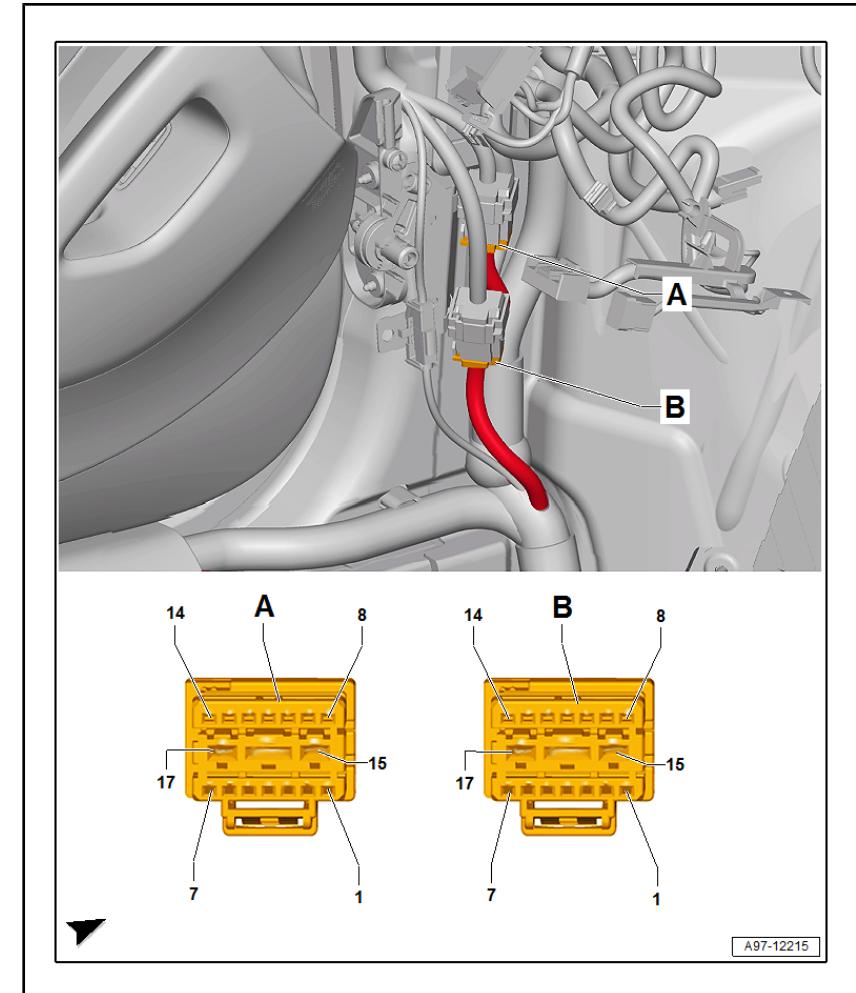
Pin Connectors

A - 17-Pin Connector -T17k-

B - 17-Pin Connector -T17l-



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1.8 Connector station glove compartment

Component Location

Behind glove compartment, right.

Connector

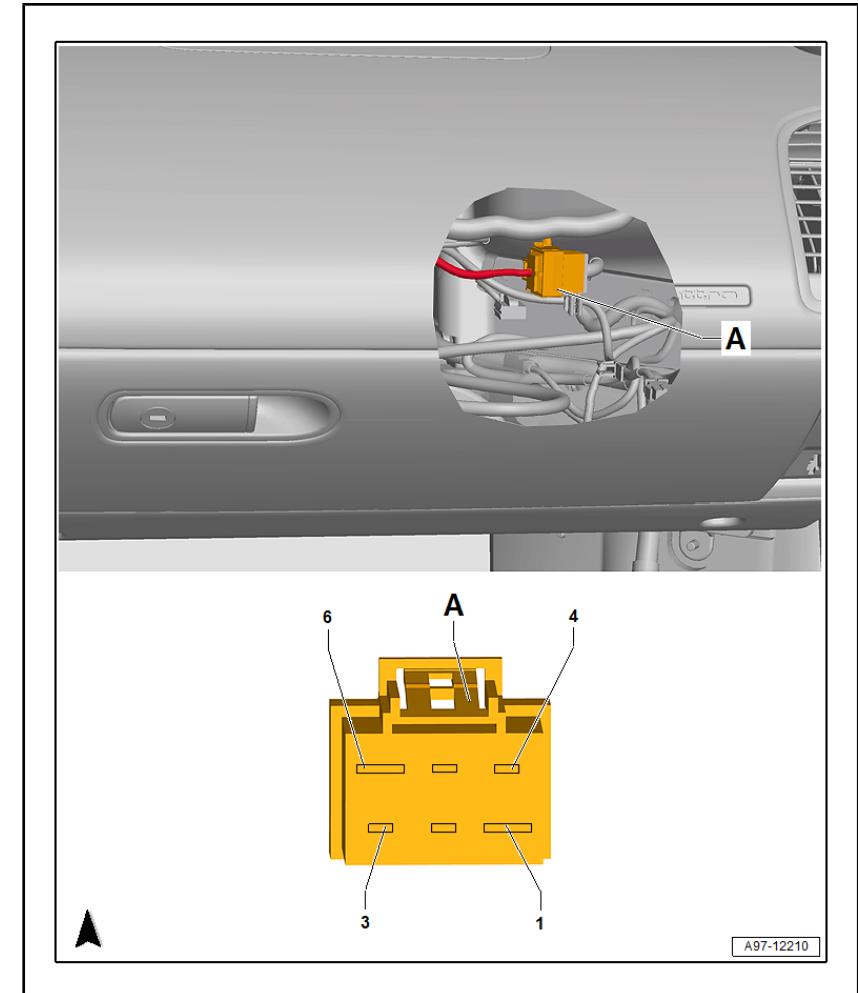
A - 6-Pin Connector -T6c-, black

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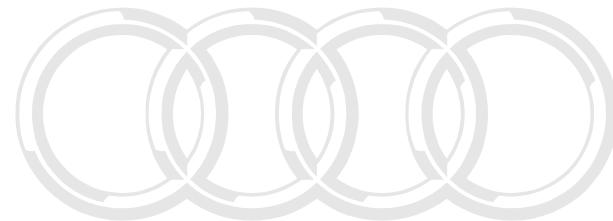
[Back to overview ➔ page 1](#).**1.9 Connector station, rear bumper****Component Location**

Behind left rear bumper trim.



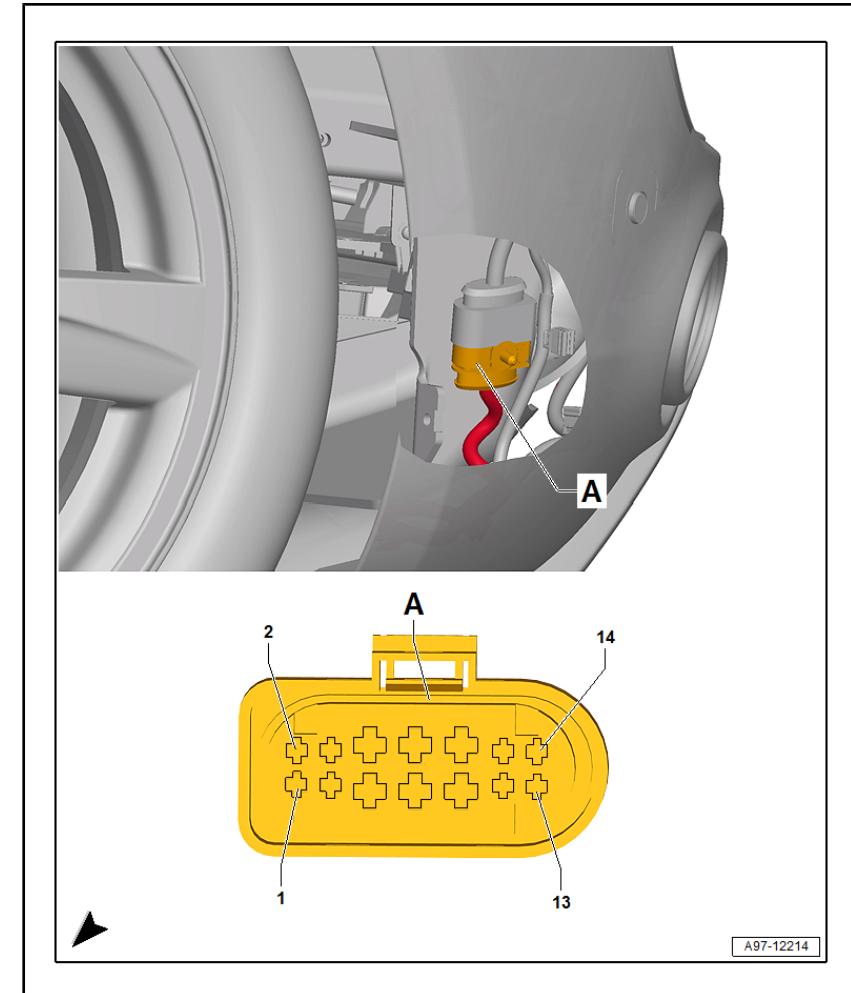
Connector

A - 14-Pin Connector -T14d-, black

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The erWin logo, featuring a stylized character icon next to the word "erWin".

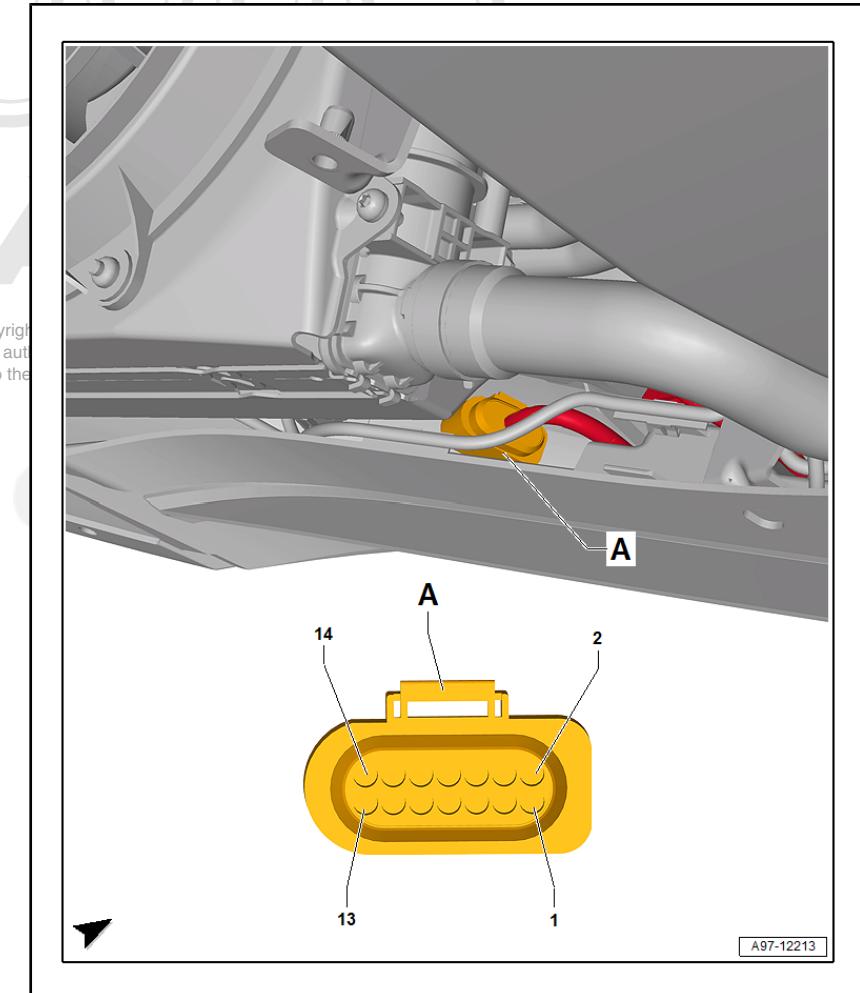
[Back to overview ➔ page 1](#).**1.10 Connector station, front bumper****Component Location**

Behind left front bumper trim.

Connector

A - 14-Pin Connector -T14e-, black

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1 Ground Connections

1.1 Overview of ground connections in rear part of vehicle

- 1 - 708 Ground Connection 2 (on right rear long member)
 Component Location [⇒ page 2](#)

- 2 - 611 Ground Connection (on fuel filler neck)
 Component Location [⇒ page 2](#)

- 3 - 714 Ground connection on engine, right
 Component Location [⇒ page 2](#)

- 4 - 66 Ground Connection (on right rear long member)
 Component Location [⇒ page 3](#)

- 5 - 619 Ground Connection, on lower left engine block
 Component Location [⇒ page 3](#)
 Ground wire transmission-body [⇒ page 3](#)

- 6 - 65 Ground Connection (on left rear long member)
 Component Location [⇒ page 4](#)

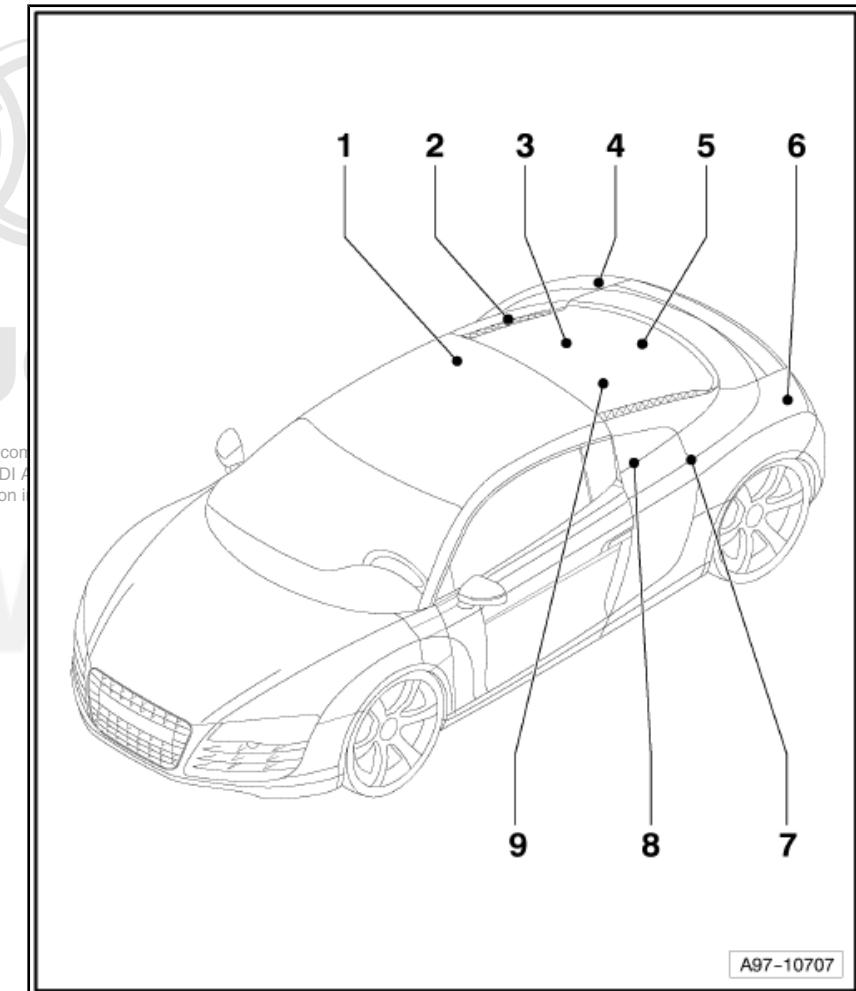
- 7 - 710 Ground Connection 2 (on left rear long member)
 Component Location [⇒ page 4](#)

- 8 - 711 Ground Connection 3 (on left rear long member)
 Component Location [⇒ page 5](#)

- 9 - 618 Ground connection on engine, left
 Component Location [⇒ page 4](#)



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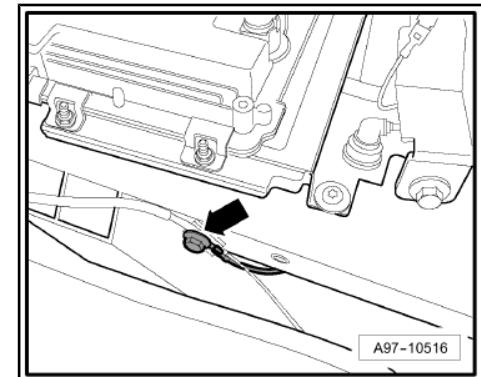
708 - Ground Connection 2 (on right rear long member) -Arrow-

Component Location

On right rear long member.

Torque Setting

9 Nm

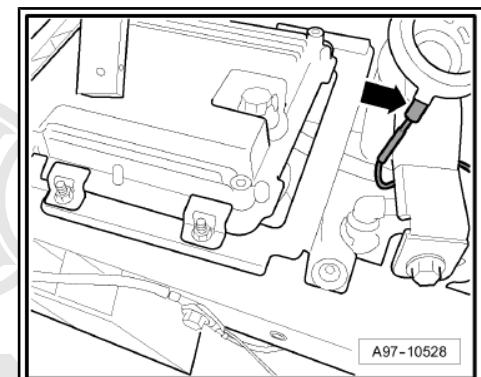


611 - Ground Connection, on fuel filler neck, Single Connector

-T1- -Arrow-

Component Location

On fuel filler neck, tank module.



714 - Ground connection on engine, right -Arrow-

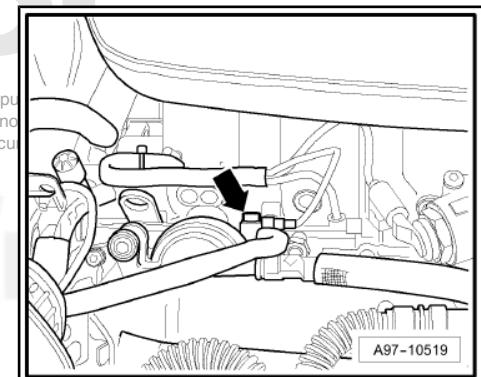
Component Location

On engine, right.

Torque Setting

9 Nm

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66 - Ground Connection (on right rear long member) -Arrow-

Component Location

On right rear long member.

Torque Setting

9 Nm


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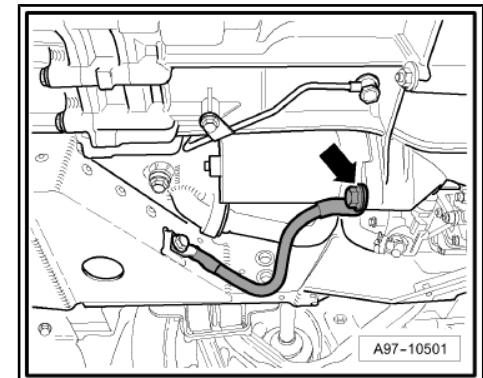
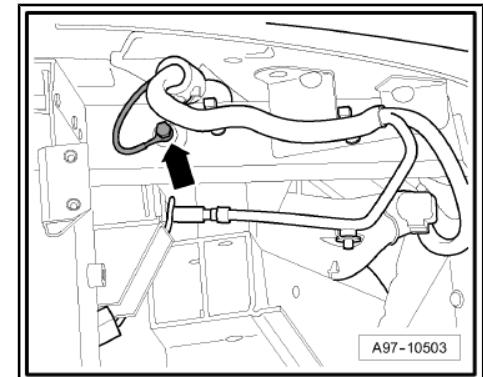
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Component Location

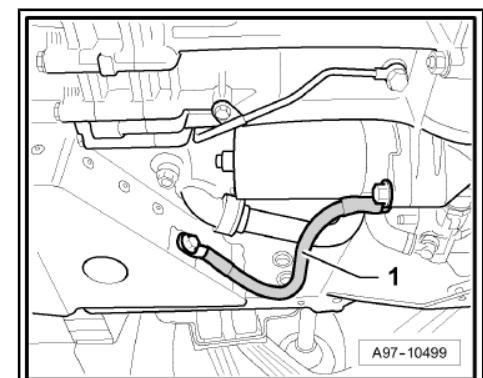
On engine, lower left

Torque Setting

20 Nm



Ground wire transmission-body -1-



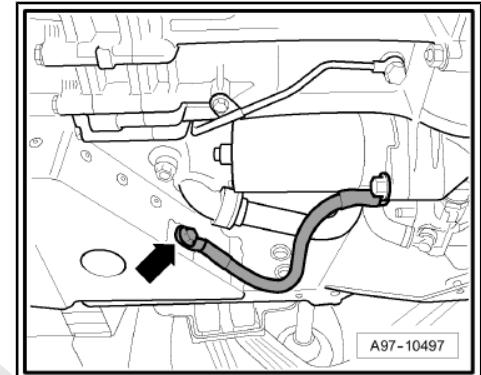
710 - Ground Connection 2 on left rear long member -Arrow-

Component Location

On left rear long member.

Torque Setting

20 Nm



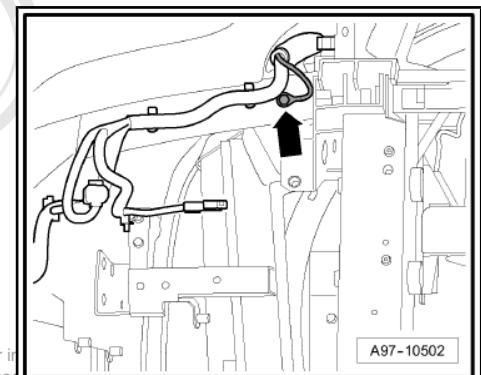
65 - Ground Connection (on left rear long member) -Arrow-

Component Location

On left rear long member.

Torque Setting

9 Nm



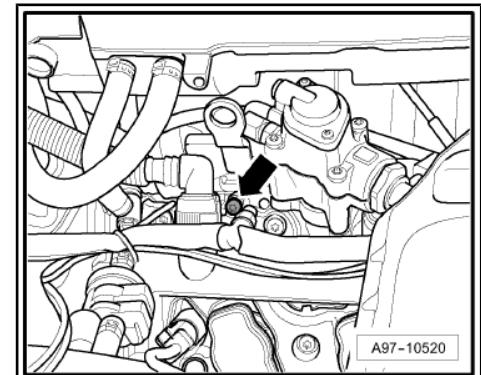
618 - Ground connection on engine, left -Arrow-

Component Location

On engine, left.

Torque Setting

9 Nm



711 - Ground Connection 3 on left rear long member -Arrow-

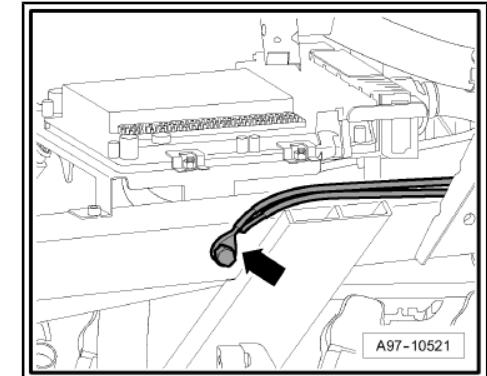
Component Location

On left rear long member.

Torque Setting

9 Nm

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1.2 Overview of Ground Connections in-Cabin



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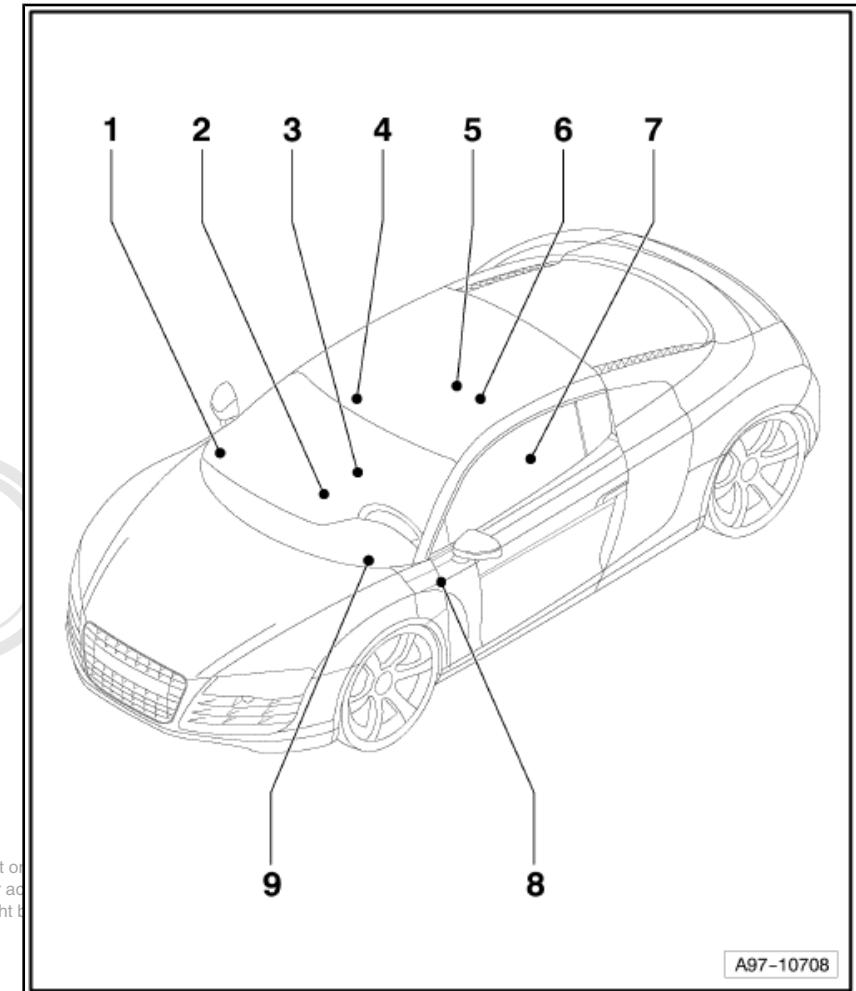
- 1 - 638 Ground Connection (on right A-pillar)
 Component Location [⇒ page 7](#)
- 2 - 637 Airbag Control Module Ground Connection
 Component Location [⇒ page 7](#)
- 3 - 610 Ground Connection (Audio) (under center console, front)
 Component Location [⇒ page 7](#)
- 4 - 689 Ground Connection (on center/front roof)
 Component Location [⇒ page 8](#)
- 5 - 713 Ground Connection (under right rear parcel shelf)
 Component Location [⇒ page 8](#)
- 6 - 718 Ground Connection (Audio) (under rear parcel shelf)
 Component Location [⇒ page 8](#)
- 7 - 712 Ground Connection (under left rear parcel shelf)
 Component Location [⇒ page 9](#)
- 8 - 639 Ground Connection (on left A-pillar)
 Component Location [⇒ page 9](#)
- 9 - 42 Ground Connection (beside steering column)
 Component Location [⇒ page 9](#)



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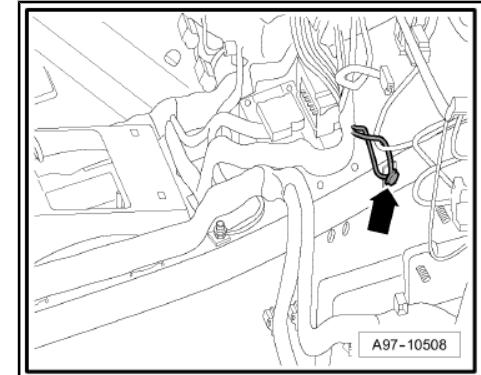
637 - Airbag Control Module Ground Connection -Arrow-

Component Location

Near Airbag Control Module -J234- .

Torque Setting

9 Nm



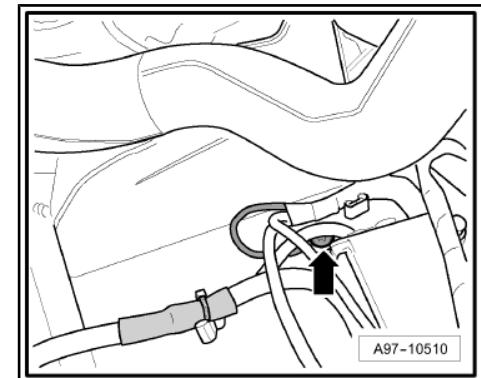
638 - Ground Connection (on right A-pillar) -Arrow-

Component Location

On right lower A-pillar.

Torque Setting

9 Nm



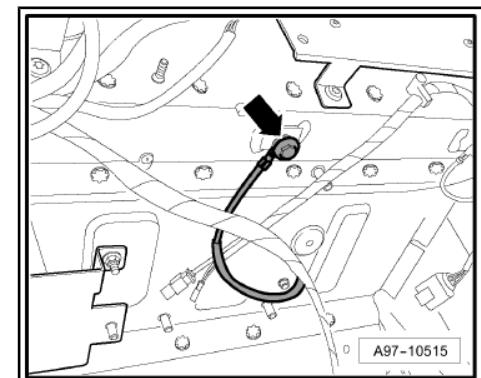
610 - Ground Connection (Audio) (under center console, front)
-Arrow-

Component Location

Below front center console.

Torque Setting

9 Nm



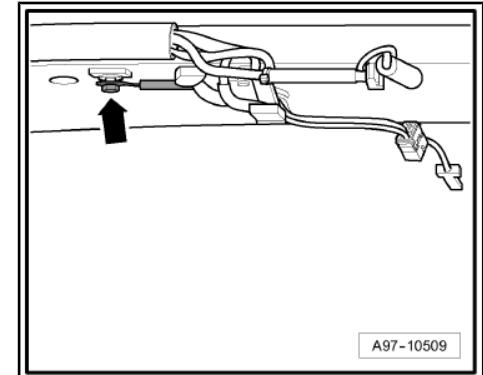
689 - Ground Connection (on center/front roof) -Arrow-

Component Location

On center/front roof.

Torque Setting

9 Nm



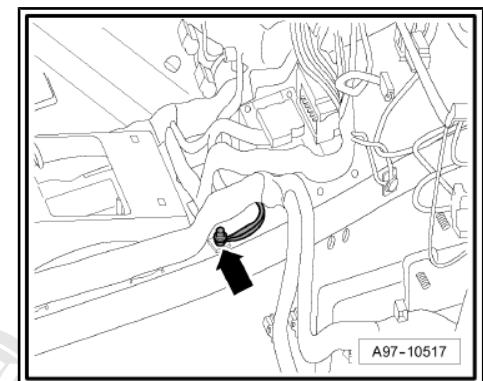
713 - Ground Connection (under right rear parcel shelf) -Arrow-

Component Location

Under right rear parcel shelf.

Torque Setting

9 Nm



718 - Ground Connection (Audio) (under rear parcel shelf)

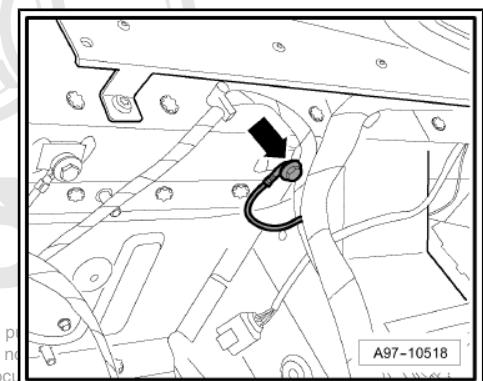
-Arrow-

Component Location

Under rear parcel shelf.

Torque Setting

9 Nm



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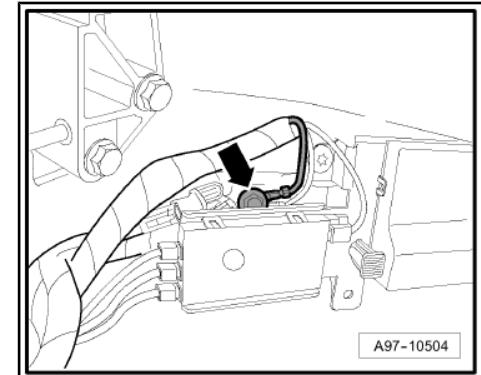
639 - Ground Connection (on left A-pillar) -Arrow-

Component Location

On left lower A-pillar.

Torque Setting

9 Nm



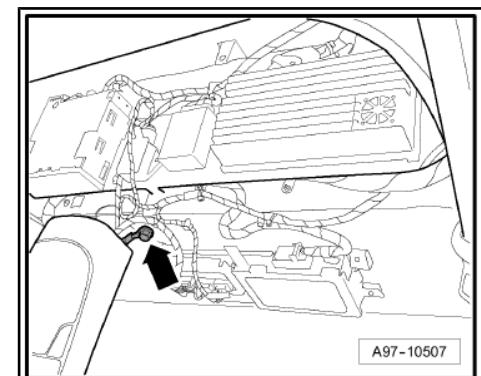
712 - Ground Connection (under left rear parcel shelf) -Arrow-

Component Location

Under rear left parcel shelf.

Torque Setting

9 Nm



42 - Ground Connection (beside steering column) -Arrow-

Component Location

On steering column.

Torque Setting

9 Nm

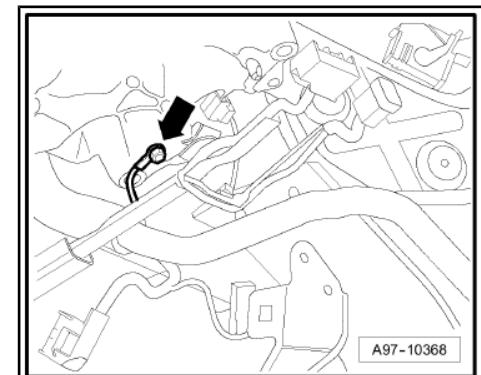
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1.3

Overview of ground connections in front part of vehicle



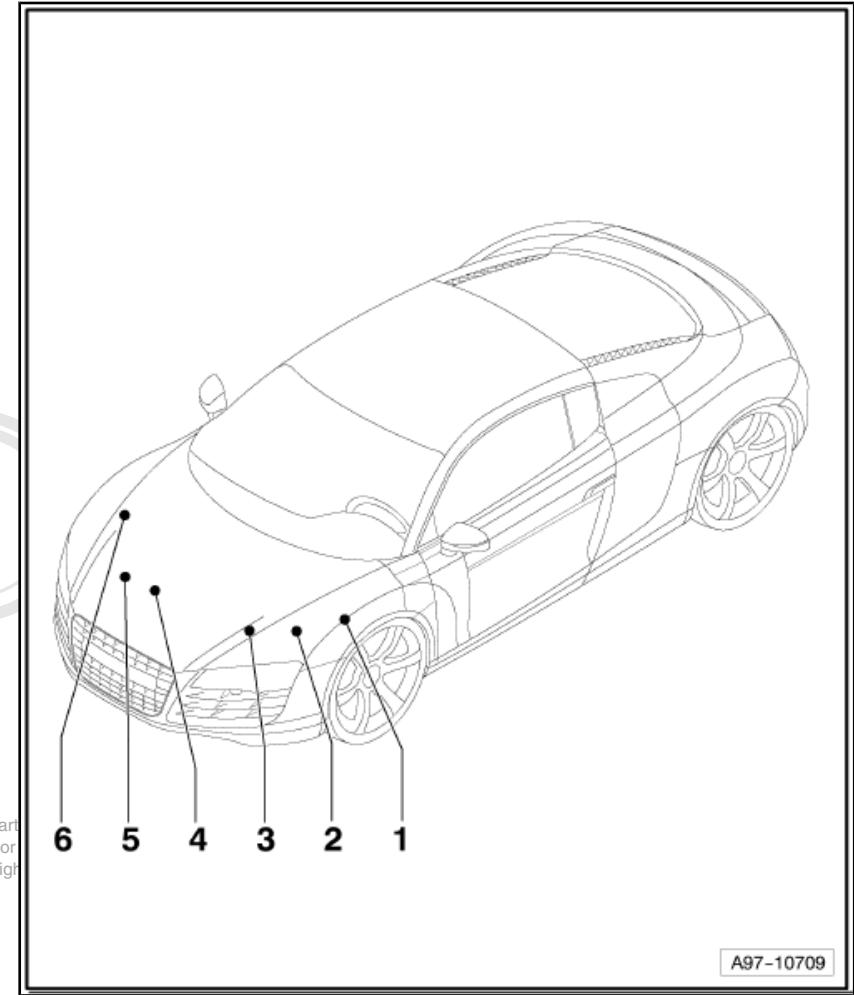
- 1 - 672 Ground Connection 2 (on left front long member)
 Component Location [⇒ page 11](#)
- 2 - 671 Ground Connection 1 (on left front long member)
 Component Location [⇒ page 11](#)
- 3 - 715 Ground Connection (on left cross member)
 Component Location [⇒ page 11](#)
- 4 - 717 Ground Connection (on right front cross member)
 Component Location [⇒ page 12](#)
- 5 - 716 Ground Connection (on right cross member)
 Component Location [⇒ page 12](#)
- 6 - 685 Ground Connection 1 (on right front long member)
 Component Location [⇒ page 12](#)



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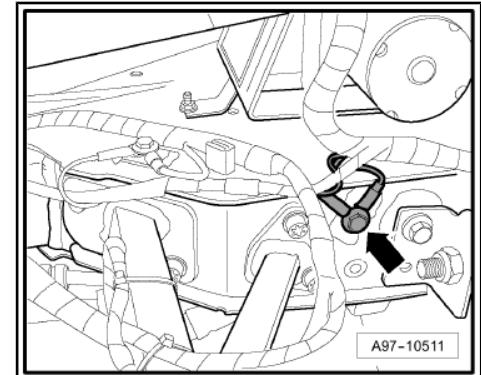
672 - Ground Connection 2 on left front long member -Arrow-

Component Location

On left lower front long member.

Torque Setting

9 Nm



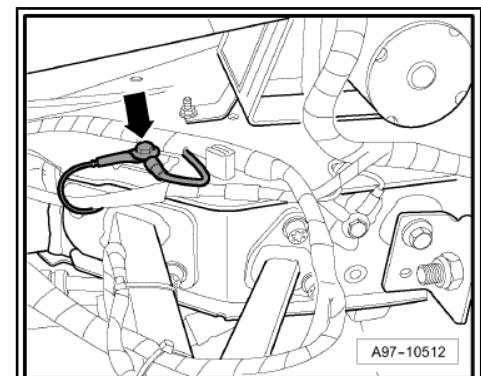
671 - Ground Connection 1 on left front long member -Arrow-

Component Location

On left front long member.

Torque Setting

9 Nm



715 - Ground Connection (on left cross member) -Arrow-

Component Location

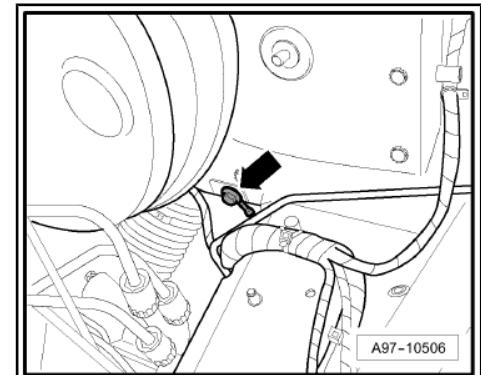
On left cross member.

Torque Setting

9 Nm



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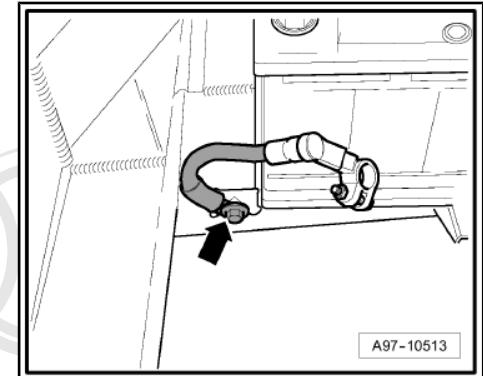
717 - Ground Connection (on right front cross member) -Arrow-

Component Location

On right front cross member.

Torque Setting

20 Nm



716 - Ground Connection (on right cross member) -Arrow-

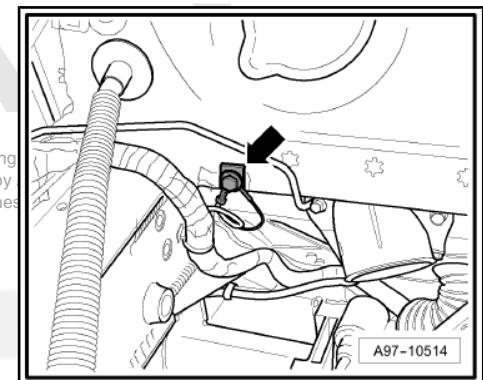
Component Location

On right front cross member.

Torque Setting

9 Nm

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685 - Ground Connection 1 (on right front long member) -Arrow-

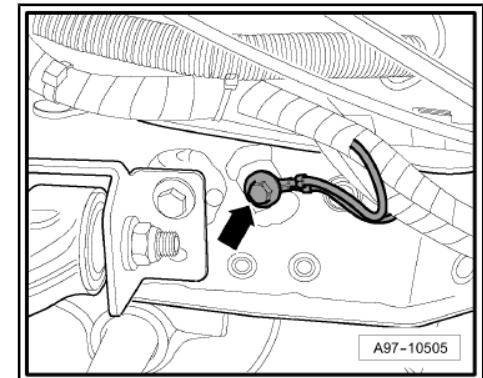
Component Location

On lower right front long member.

Torque Setting

9 Nm

Back to overview [⇒ page 9](#).



1 Control Modules

1.1 Overview of Control Modules

1 - Battery Monitoring Control Module -J367-

- Component Location and Pin Arrangements [⇒ page 35](#)

2 - Vehicle Electrical System Control Module -J519-

- Component Location and Pin Arrangements, through May 2009 [⇒ page 4](#)
- Component Location and Pin Arrangements, from June 2009 [⇒ page 6](#)

3 - Climatronic Control Module -J255-

- Component: -G56- , -V42- , -E94- , -E95- , -E230-
- Component Location and Pin Arrangements [⇒ page 34](#)

4 - Navigation System Control Module with CD Drive -J401- / Radio -R-

5 - Front Passenger's Door Control Module -J387-

- Component: -V148-
- Component Location and Pin Arrangements [⇒ page 7](#)

6 - Instrument Cluster Control Module -J285-

- Component: -J362- , -Y24- , -Y8- , -K32- , -G1- , -K3- , -K28-
- Component Location and Pin Arrangements [⇒ page 32](#)

- Steering Column Electronic Systems Control Module -J527-

- Component: -E22- , -F138- , -H- , -E2- , -E4- , -E45- , -N95- , -N250- , -D- , -G85- , -N376-
- Component Location and Pin Arrangements [⇒ page 25](#)

7 - Transmission Control Module (TCM) -J217-

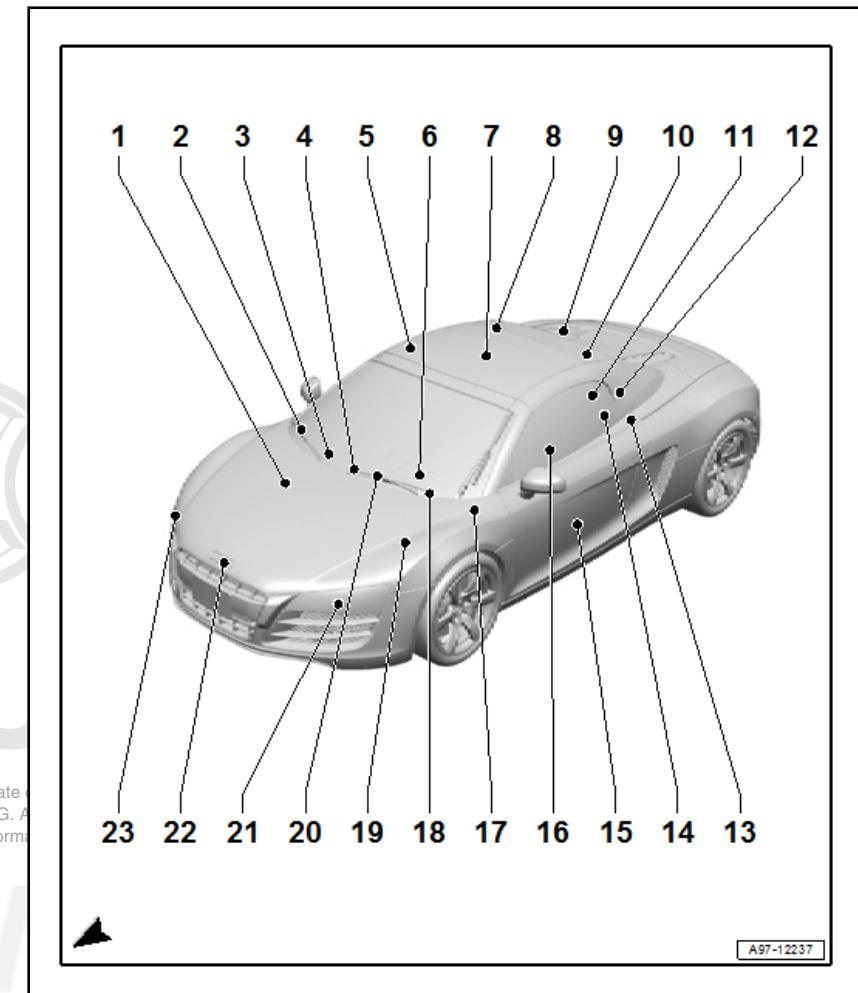
- Component Location and Pin Arrangements [⇒ page 9](#)

8 - Engine Control Module (ECM) -J623-

- Component Location and Pin Arrangements [⇒ page 12](#)

9 - Electronic Damping Control Module -J250-

- Component Location and Pin Arrangements [⇒ page 13](#)



10 - Engine Control Module (ECM) 2 -J624-

- Component Location and Pin Arrangements [⇒ page 12](#)

**11 -
Digital Sound System Control Module -J525-**

- Component Location and Pin Arrangements [⇒ page 16](#)

**12 -
Tire Pressure Monitoring Control Module -J502-**

- Component Location and Pin Arrangements [⇒ page 16](#)

13 - Convertible Top Control Module -J256-

- Component Location and Pin Arrangements [⇒ page 31](#)

14 - Comfort System Central Control Module -J393-

- Component Location and Pin Arrangements, through May 2009 [⇒ page 18](#)

15 - Parking Aid Control Module -J446-

- Component Location and Pin Arrangements [⇒ page 22](#)

**16 -
Driver's Door Control Module -J386-**

- Component: -V147-
- Component Location and Pin Arrangements [⇒ page 19](#)

17 - Data Bus On Board Diagnostic Interface -J533-

- Component Location and Pin Arrangements [⇒ page 24](#)

**18 -
Wiper Motor Control Module -J400- / Front Passenger Windshield Wiper Motor Control Module -J584-**

- Component: -V216- , -V217-
- Component Location and Pin Arrangements [⇒ page 37](#)

19 - ABS Control Module -J104-

- Component Location and Pin Arrangements [⇒ page 27](#)

20 - Airbag Control Module -J234-

- Component Location and Pin Arrangements [⇒ page 29](#)

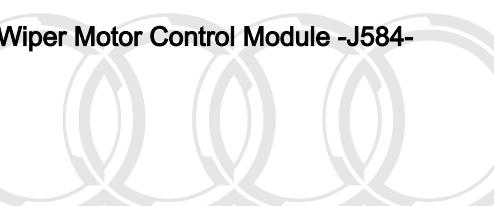
**21 -
Left High-intensity Gas Discharge Lamp Control Module -J343- / Right High-intensity Gas Discharge Lamp Control Module -J344-**

- Component: -L177- , -J667- , -J668-
- Component Location and Pin Arrangements [⇒ page 38](#)

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22 - Garage Door Opener Control Module -J530-

- Component Location and Pin Arrangements [⇒ page 36](#)

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23 -

Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27-

- Component: -A32- , -A28- , -A33- , -A29- , -A34- , -A30-
- Component Location and Pin Arrangements [⇒ page 39](#)



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1.2 Vehicle Electrical System Control Module -J519-

1.2.1 Component Location and Pin Arrangements, through May 2009

Component Location

In front right footwell -3-.

1 - Center Speaker -R148-

2 - Main Distribution

3 - Vehicle Electrical System Control Module -J519-

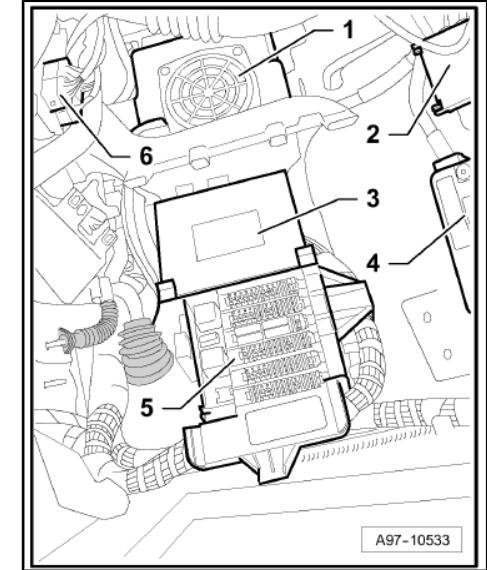
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4 - Main Fuse Panel

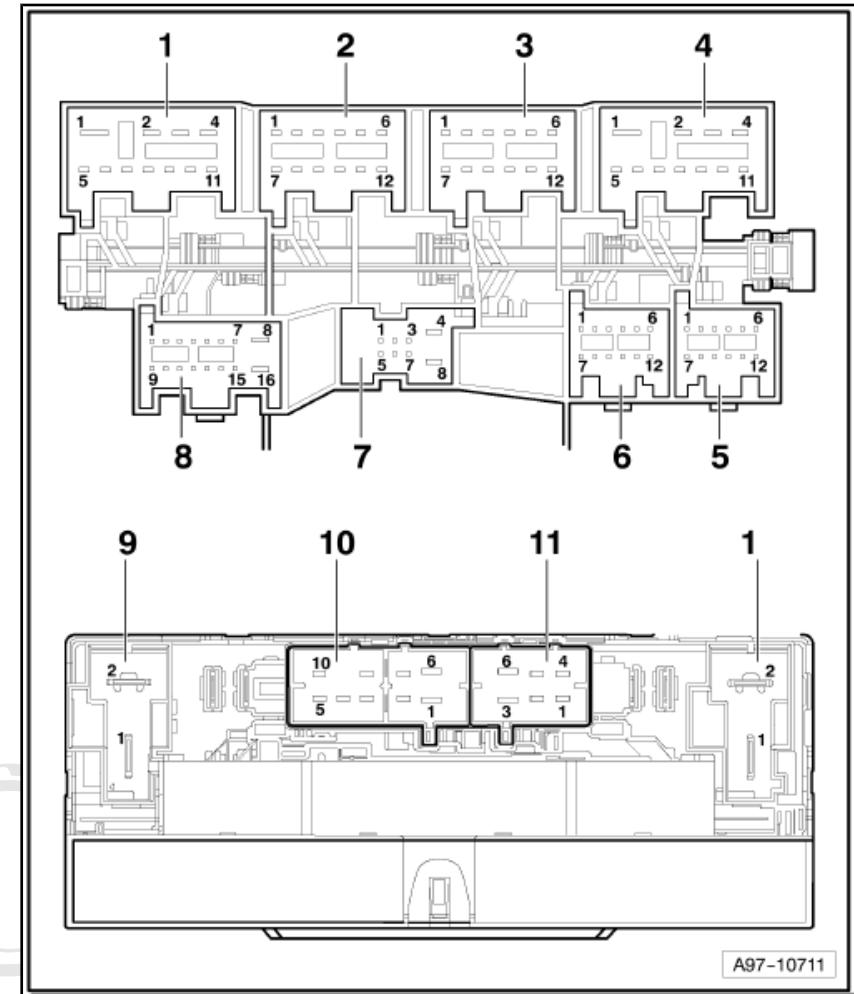
5 - Relay and fuse carrier (in front right footwell)

6 - Connector station behind right center console

Pin Arrangements



- 1 - 11-Pin Connector -T11a- , black
- 2 - 12-Pin Connector -T12b- , black
- 3 - 12-Pin Connector -T12c- , brown
- 4 - 11-Pin Connector -T11b- , brown
- 5 - 16-Pin Connector -T16a- , black
- 6 - 8-Pin Connector -T8a- , black
- 7 - 12-Pin Connector -T12a- , black
- 8 - Not used
- 9 - Not used
- 10 - 10-Pin Connector -T10a- , black
- 11 - 6-Pin Connector -T6a- , black
- 12 - Double Connector -T2a- , black



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1.2.2 Component Location and Pin Arrangements, from June 2009

Component Location

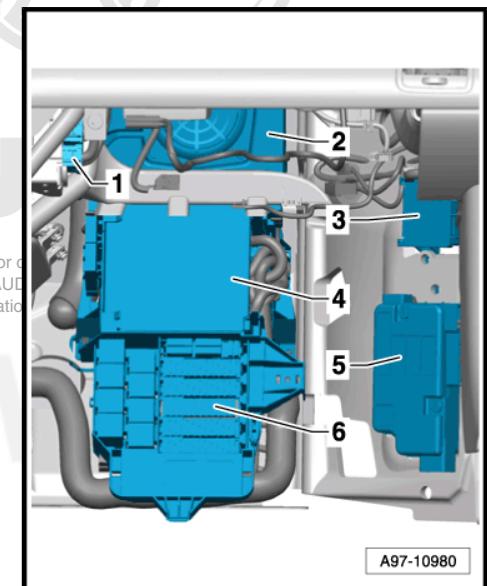
In front right footwell -4-.

- 1 - Connector station behind right center console
- 2 - Center Speaker -R148-
- 3 - Main Distribution
- 4 - Vehicle Electrical System Control Module -J519-
- 5 - Main Fuse Panel
- 6 - Relay and fuse carrier (in front right footwell)

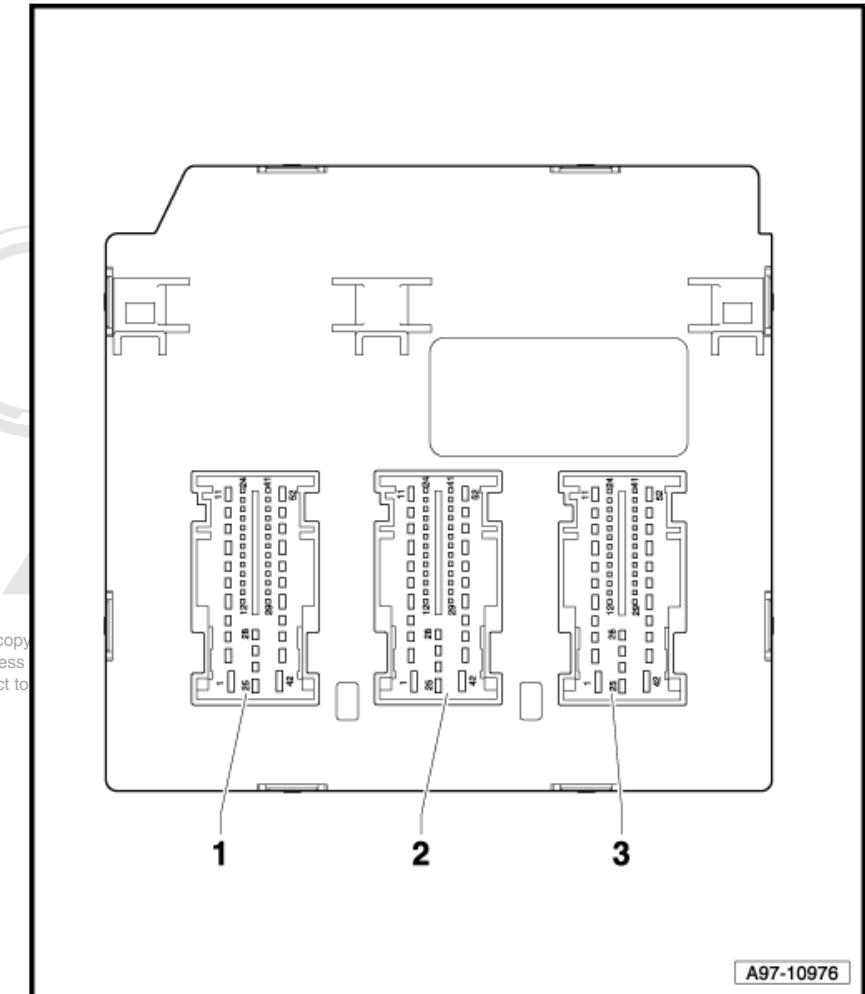
Pin Arrangements



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- 1 - 52-Pin Connector -T52a- , black
- 2 - 52-Pin Connector -T52b- , yellow
- 3 - 52-Pin Connector -T52c- , brown



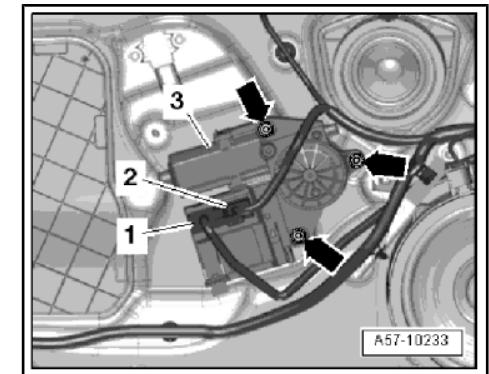
[Back to overview](#) [page 1](#).

1.3 Front Passenger's Door Control Module -J387-

Illustration be valid for left and right-hand drive.

Component Location

In front passenger's door -3-.

Pin Arrangements

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A - Front Passenger's Door Control Module -J387-

B - 32-Pin Connector -T32e-, grey, connector C

C - 16-Pin Connector -T16g-, black, connector B

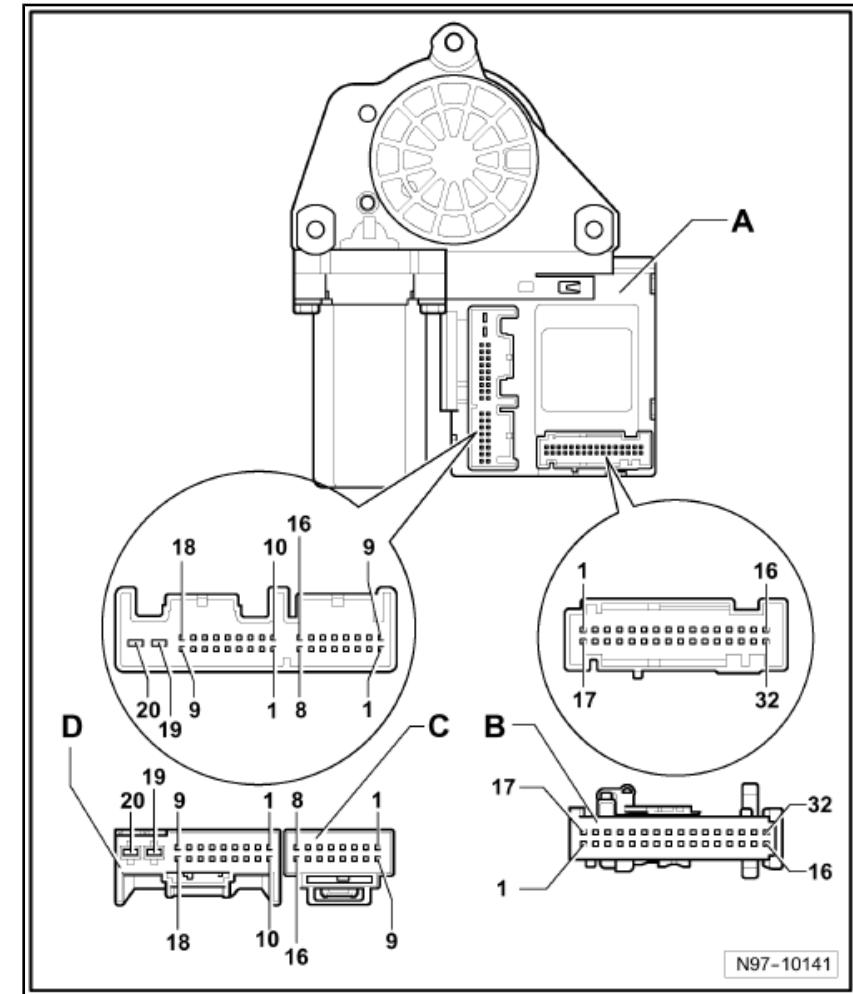
D - 20-Pin Connector -T20e-, black, connector A



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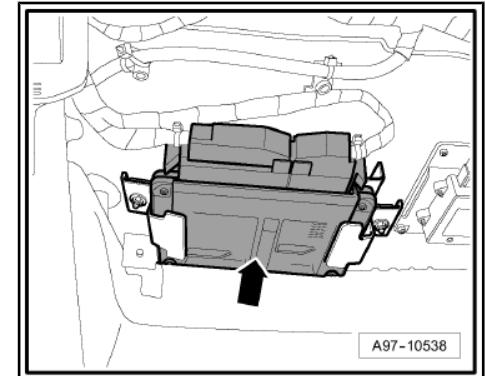
1.4 Transmission Control Module (TCM) -J217-

Component Location

Below right parcel shelf -Arrow-, Coupé.

Behind the right rear wall -Arrow-, Spyder.

Pin Arrangements



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A - Transmission Control Module (TCM) -J217- , Automatic Gearbox 086, Rtronic

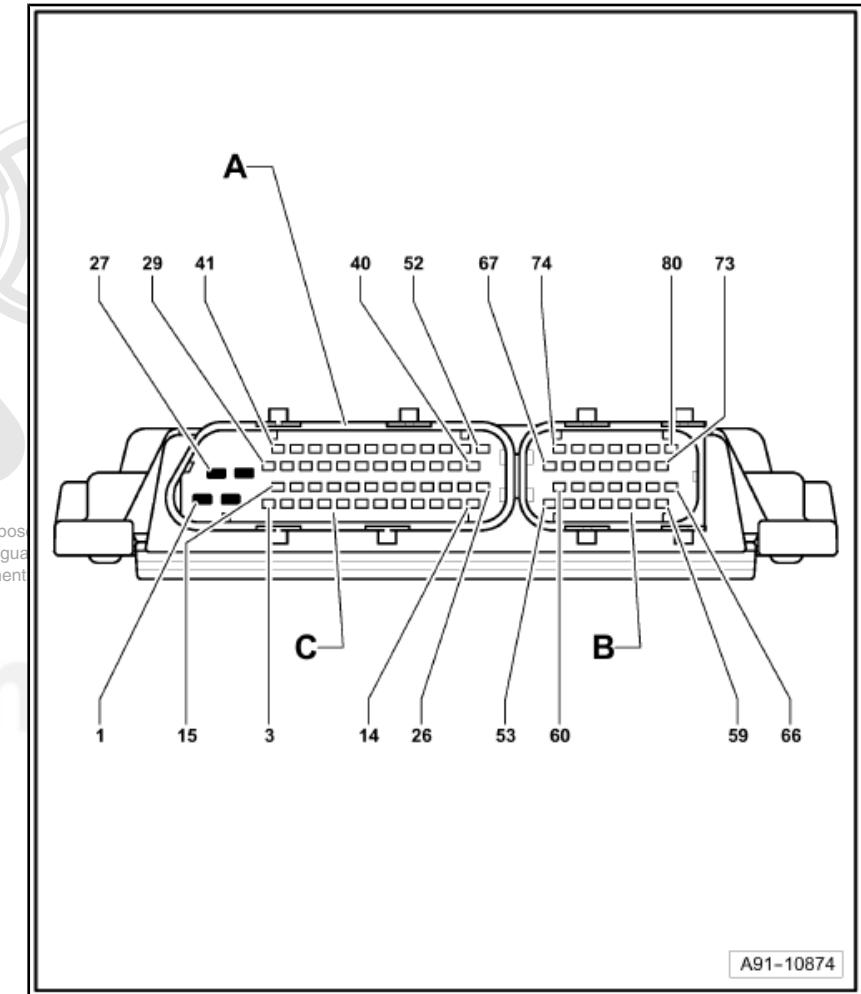
B - 28-Pin Connector -T28- , black

C - 52-Pin Connector -T52- , black



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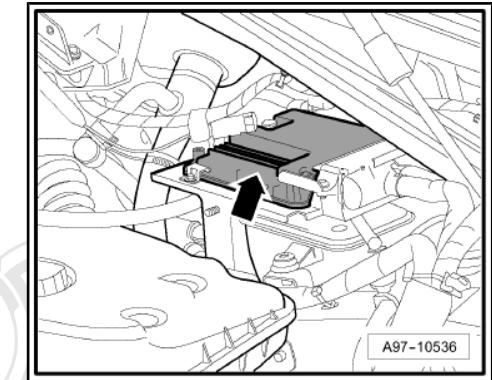
[Back to overview](#) [page 1](#).

1.5 Engine Control Module (ECM) -J623- (right)/ Engine Control Module (ECM) 2 -J624- (left)

Component Location

In engine compartment, front left and rights -Arrow-.

Pin Arrangements



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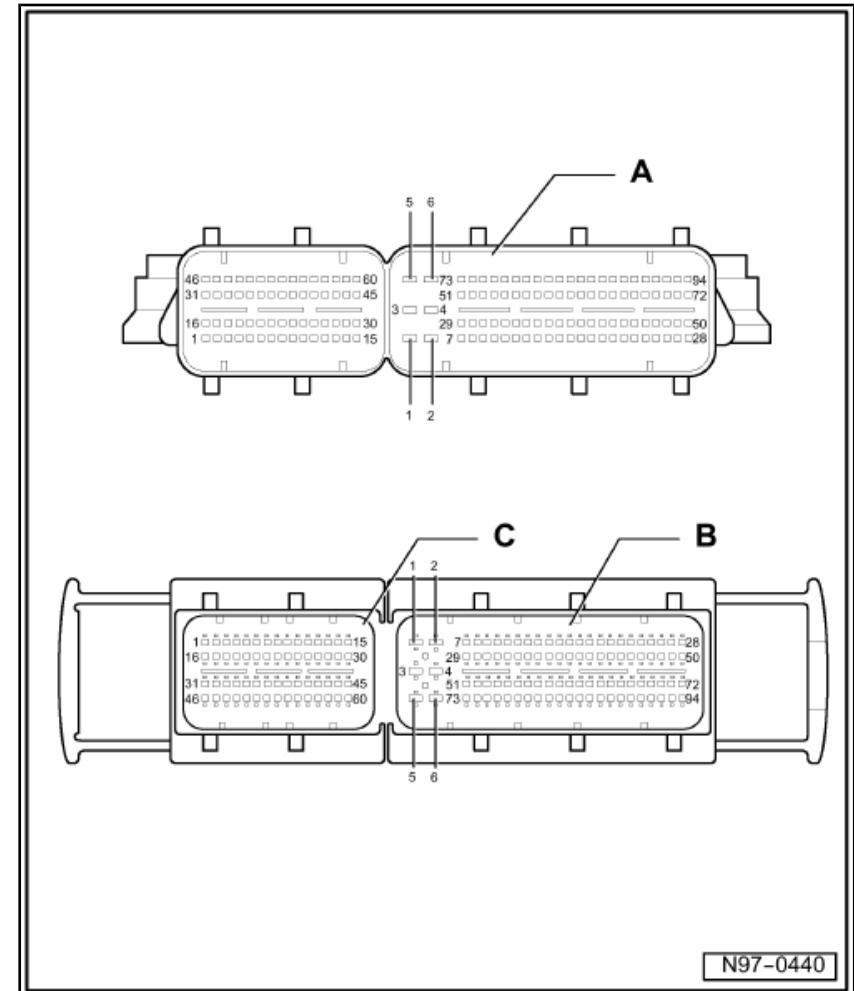


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A - Engine Control Module (ECM) -J623- / Engine Control Module (ECM) 2 -J624-

B -
94-Pin Connector -T94- / 94-Pin Connector -T94a- , black

C -
60-Pin Connector -T60- / 60-Pin Connector -T60a- , black



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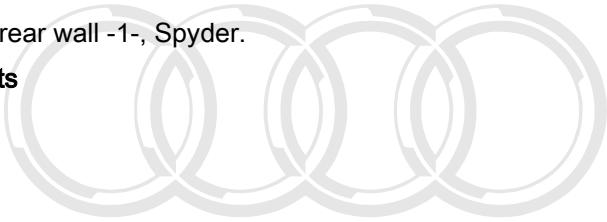
1.6 Electronic Damping Control Module -J250-

Component Location

Below right parcel shelf -1-, Coupé.

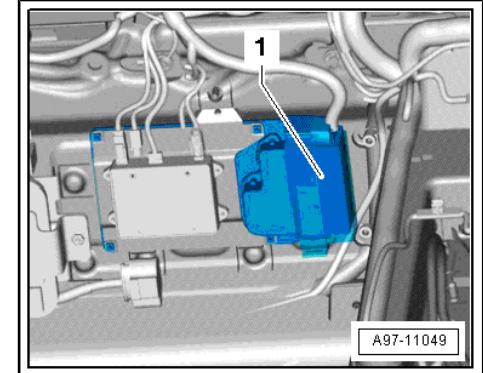
Behind the right rear wall -1-, Spyder.

Pin Arrangements

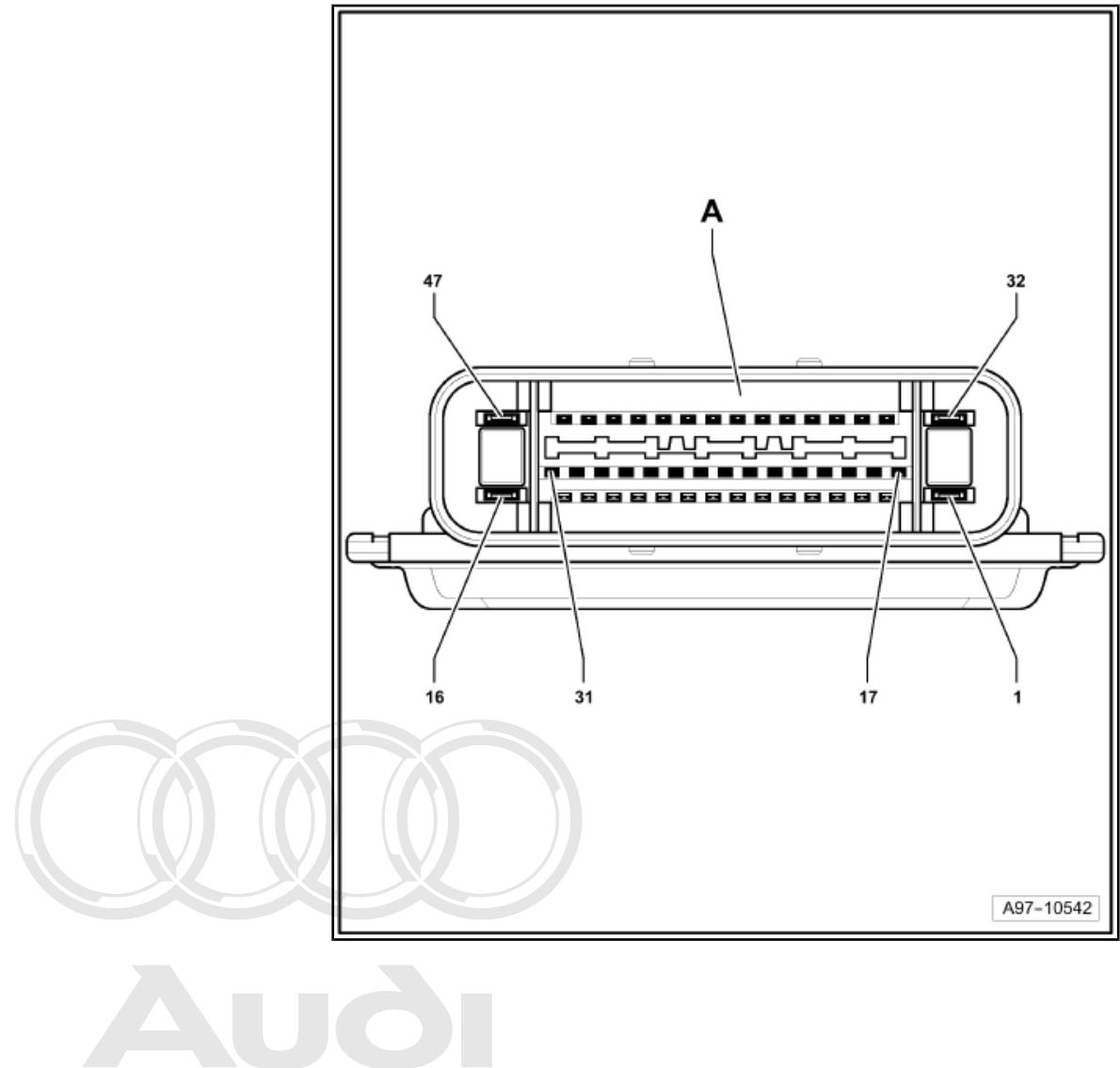


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A - 47-Pin Connector -T47-, black



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1.7 Tire Pressure Monitoring Control Module -J502- / Digital Sound System Control Module -J525-

Component Location

Below left parcel shelf, Coupé.

- 1 - ESP Sensor Unit -G419-
- 2 - Tire Pressure Monitoring Control Module -J502-
- 3 - Digital Sound System Control Module -J525-
- 4 - Telephone Transceiver -R36-
- 5 - Comfort System Central Control Module -J393-, through May 2009

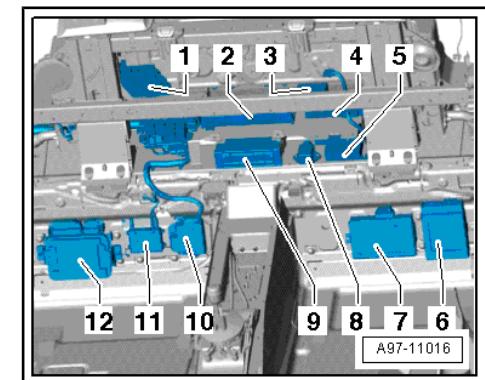
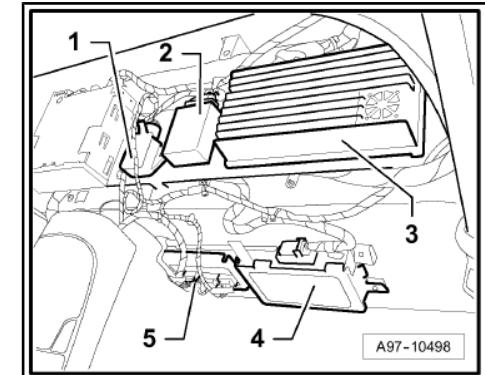


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Behind the left rear wall, Spyder.

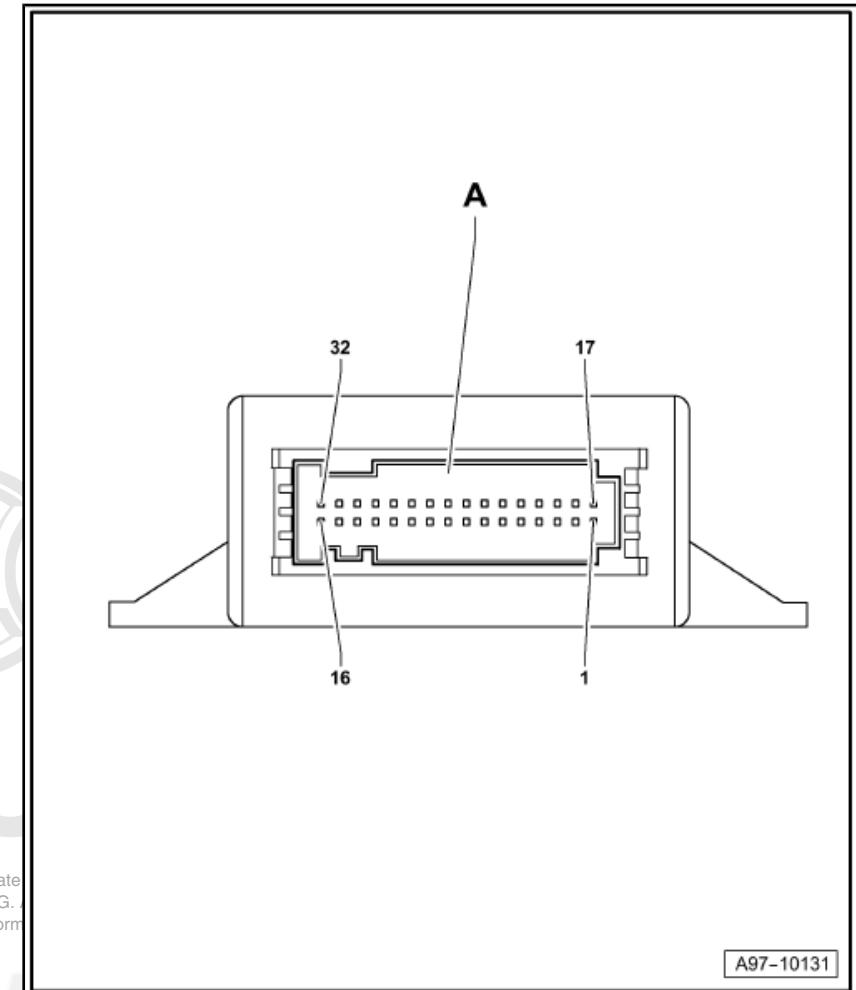
- 1 - Fuse Panel C
- 2 - Digital Sound System Control Module -J525-
- 3 - Tire Pressure Monitoring Control Module -J502-
- 4 - Convertible Top Control Module -J256-
- 5 - Seat Belt Microphone Control Module -J886-
- 6 - Rear View Camera System Control Module -J772-
- 7 - Telephone Transceiver -R36-
- 8 - ESP Sensor Unit -G419-
- 9 - CD Changer -R41-
- 10 - Electronic Damping Control Module -J250-
- 11 - Amplifier for Telephone -R86-
- 12 - Transmission Control Module (TCM) -J217-

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Pin Arrangements Tire Pressure Monitoring Control Module -J502-

A - 32-Pin Connector -T32a- , black



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Pin Arrangements Digital Sound System Control Module -J525-

- ◆ ⇒ Wiring diagrams, Troubleshooting & Component locations

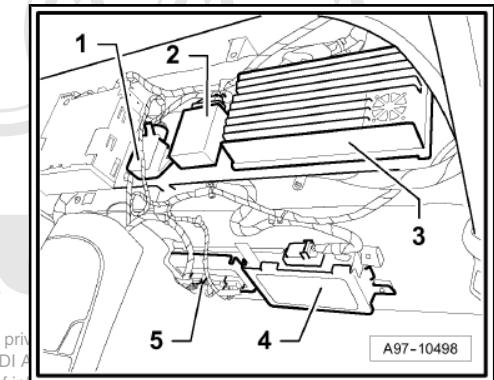
[Back to overview](#) [page 1](#).

1.8 Comfort System Central Control Module -J393- , not applicable from June 2009

Component Location

Under left parcel shelf -5-

Pin Arrangements



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1 - Comfort System Central Control Module -J393-

A - 18-Pin Connector -T18b-, brown

B - 8-Pin Connector -T8b-, black

C - Not used

D - 18-Pin Connector -T18d-, black

E - 6-Pin Connector -T6f-, black

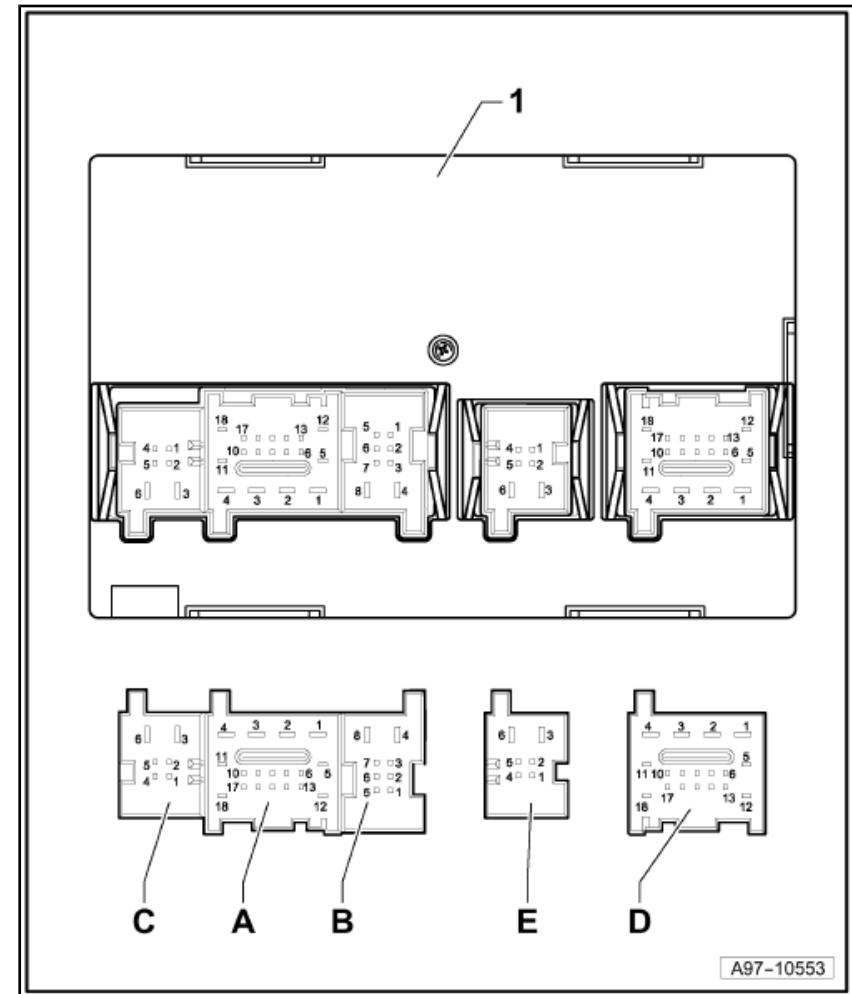


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1.9 Driver's Door Control Module -J386-

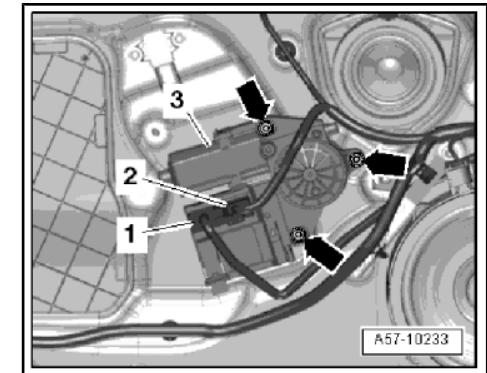
Illustration be valid for left and right-hand drive.



Component Location

In driver's door -3-.

Pin Arrangements



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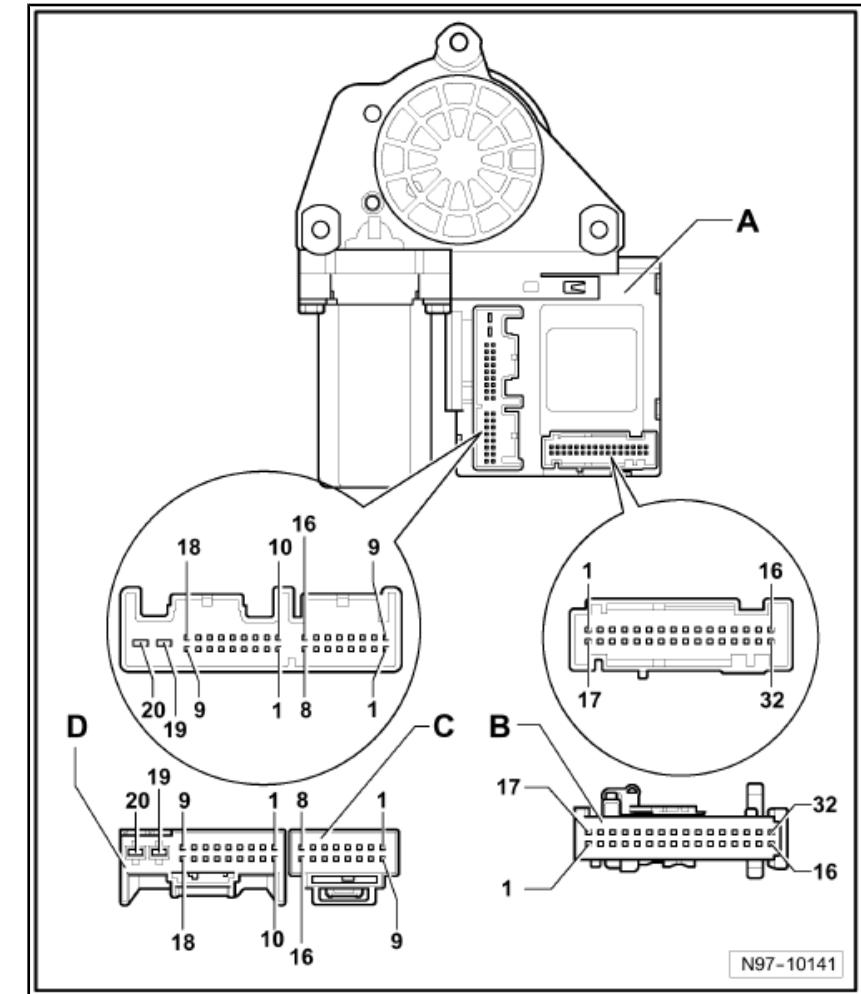


A - Driver's Door Control Module -J386-

B - 32-Pin Connector -T32d- , grey, connector C

C - 16-Pin Connector -T16f- , black, connector B

D - 20-Pin Connector -T20d- , black, connector A



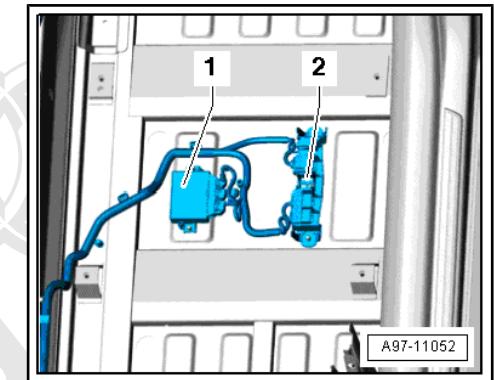
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1.10 Parking Aid Control Module -J446-

Component Location

Below left seat -1-.

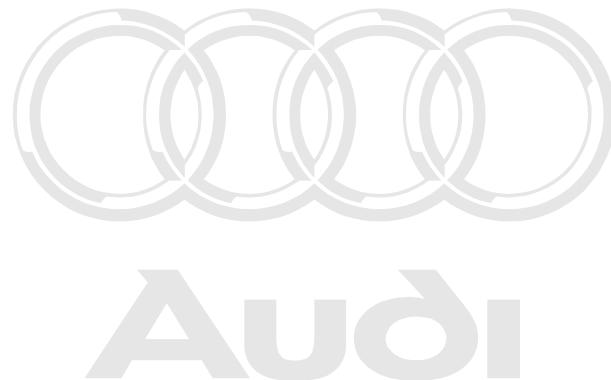
Pin Arrangements



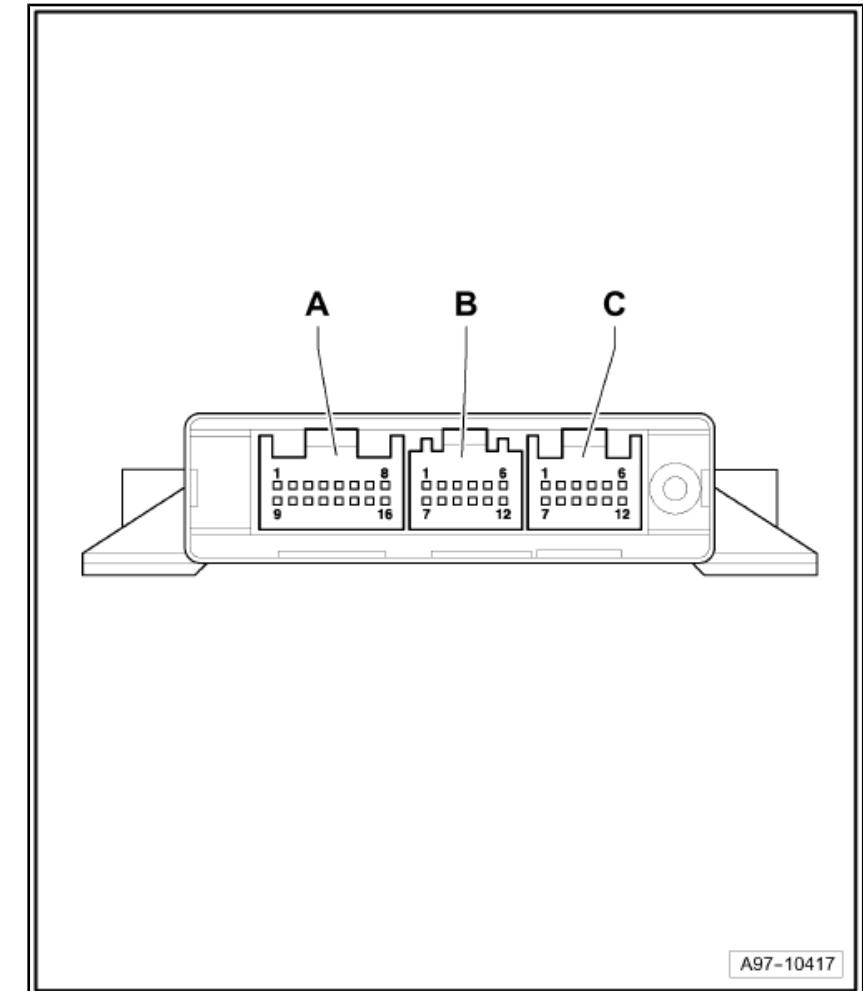
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- A - 16-Pin Connector -T16d-, brown
- B - 12-Pin Connector -T12e-, brown
- C - 12-Pin Connector -T12d-, black



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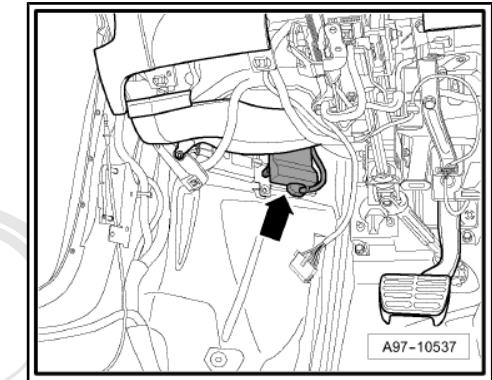
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1.11 Data Bus On Board Diagnostic Interface -J533-

Component Location

Behind driver's right stowage compartment, near A-pillar
-Arrow-.

Pin Arrangements



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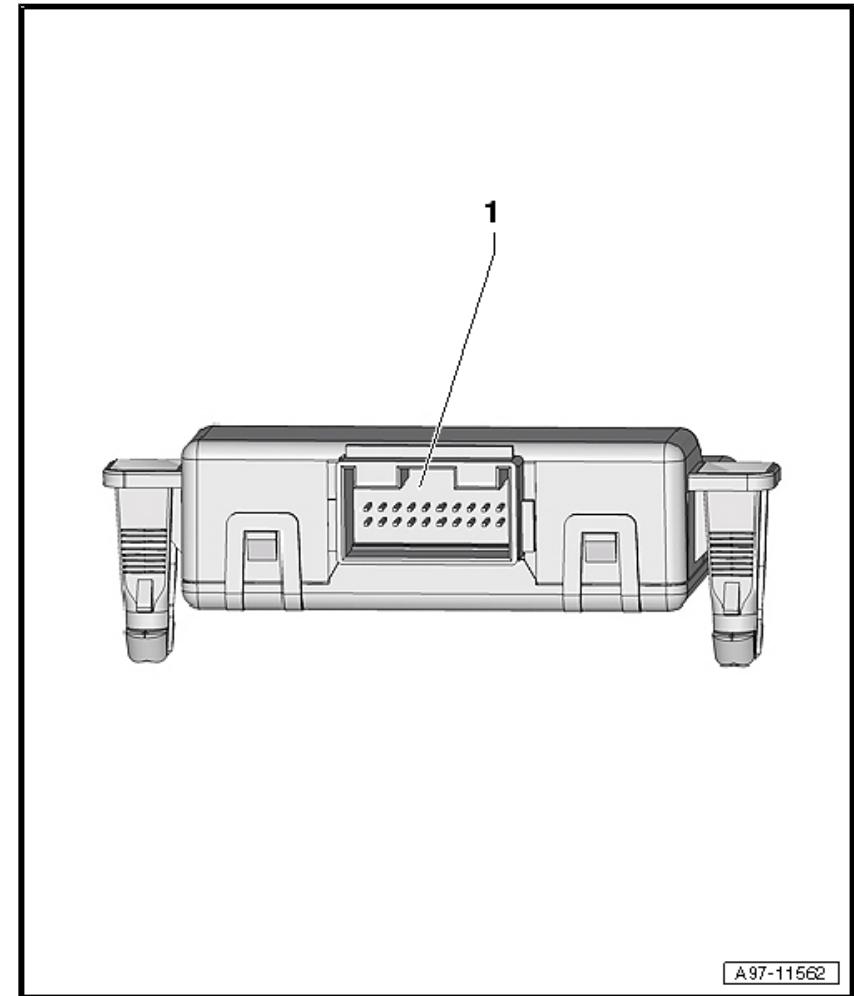
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1 - 20-Pin Connector -T20-, black



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1.12 Steering Column Electronic Systems Control Module -J527-

Component Location

On steering column on steering column switch.

Pin Arrangements

A - Not used

B - 10-Pin Connector -T10h-, Charging Turn Signal Switch -E2- / Cruise Control Switch -E45- / Headlamp Dimmer/Flasher Switch -E4- / Cruise Control -SET- Button -E227-

C - 20-Pin Connector -T20c-, black

D - 4-Pin Connector -T4c-, yellow

E - 12-Pin Connector -T12h-, Charging Ignition/Starter Switch -D- / Ignition Switch Key Lock Solenoid -N376-

F - 8-Pin Connector -T8c-, Charging Windshield Wiper Intermittent Switch -E22- / Windshield Washer Pump Switch (automatic wash/wipe and headlamp washer system) -E44- / Windshield Wiper Intermittent Regulator -E38- / Multi-function Indicator Call-up Button -E86-

G - 10-Pin Connector -T10g-, Charging Steering Angle Sensor -G85-

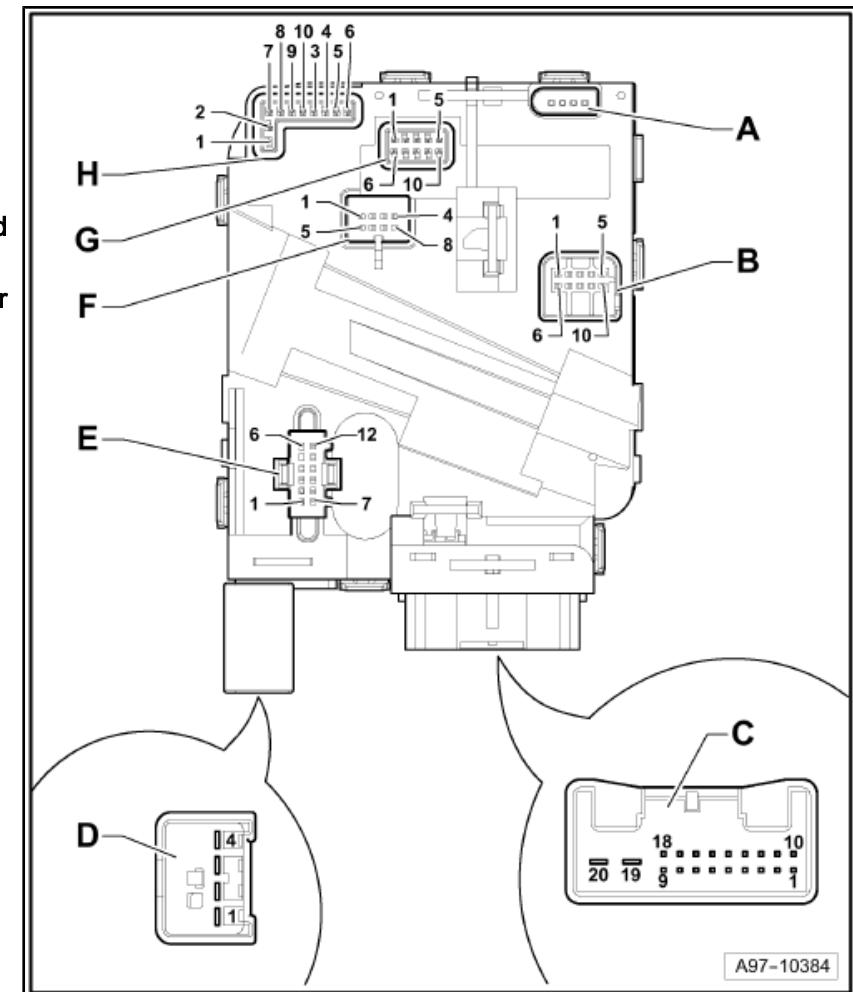
H - 10-Pin Connector -T10i-, Charging Airbag Spiral Spring/Return Spring With Slip Ring -F138-



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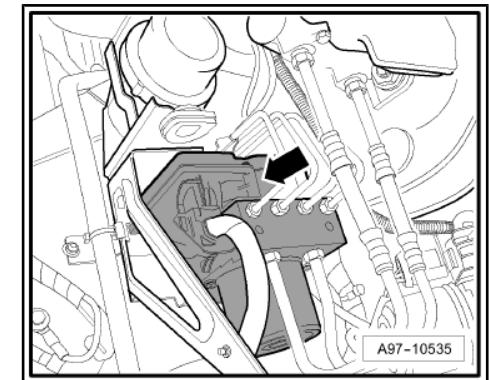
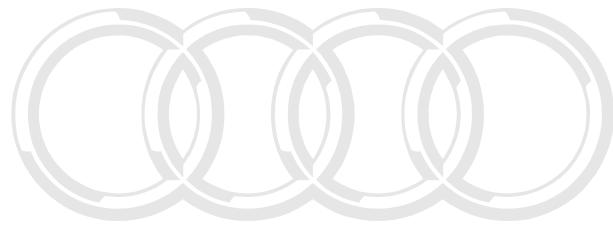
[Back to overview](#) [⇒ page 1](#).

1.13 ABS Control Module -J104-

Component Location

On left front long member -Arrow-.

Pin Arrangements

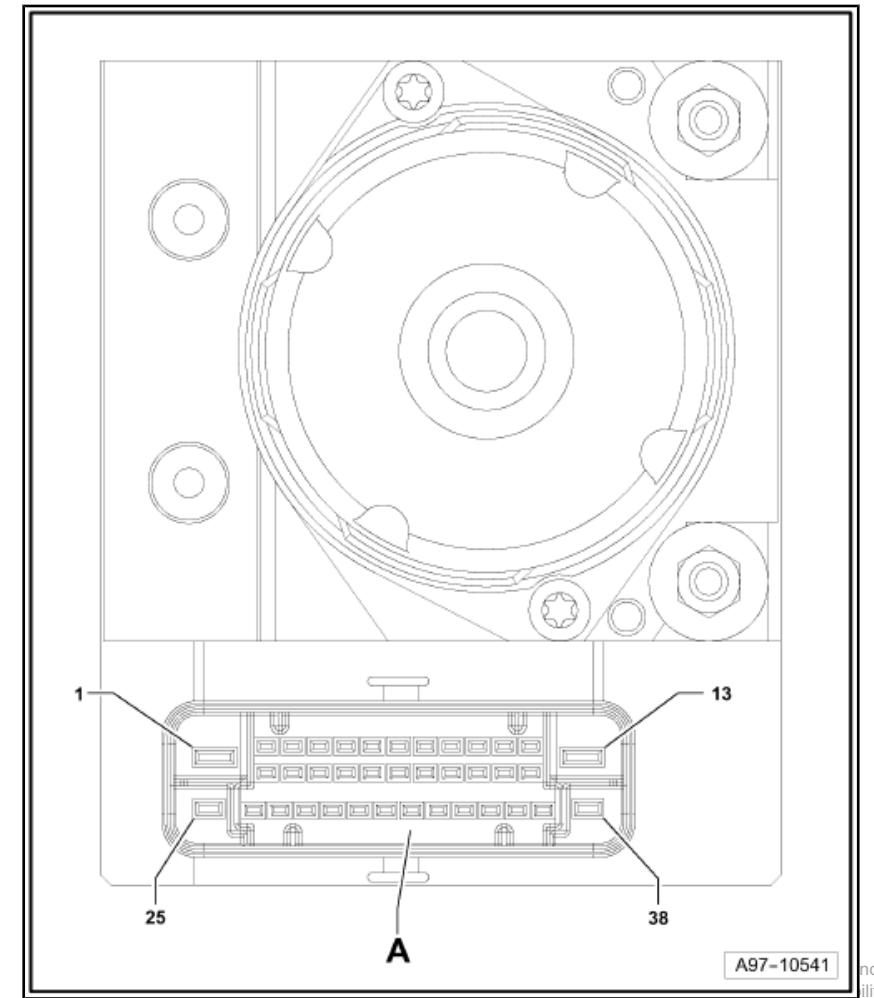


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A - ABS Control Module -J104-

A - 38-Pin Connector -T38- , black



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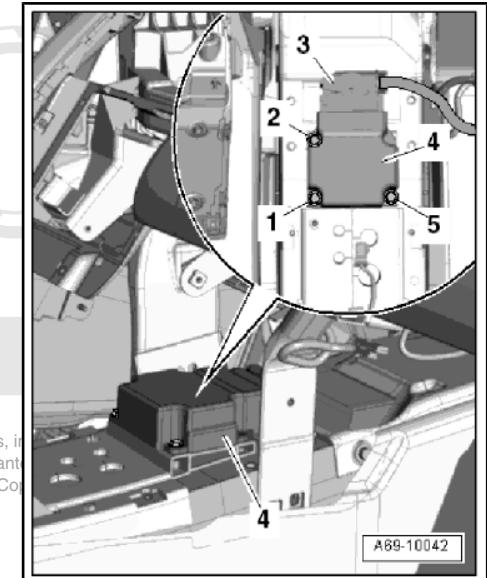
[Back to overview](#) [⇒ page 1](#).

1.14 Airbag Control Module -J234-

Component Location

Under centre console on tunnel -4-.

Pin Arrangements

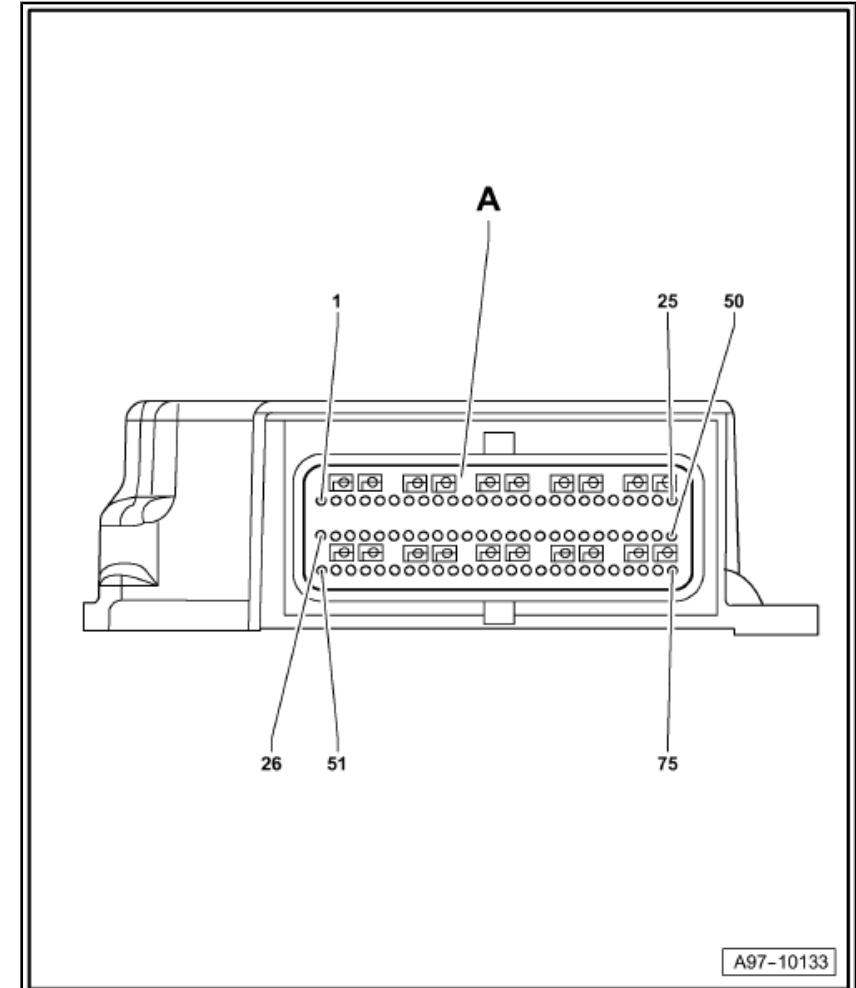


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A - 75-Pin Connector -T75-, yellow



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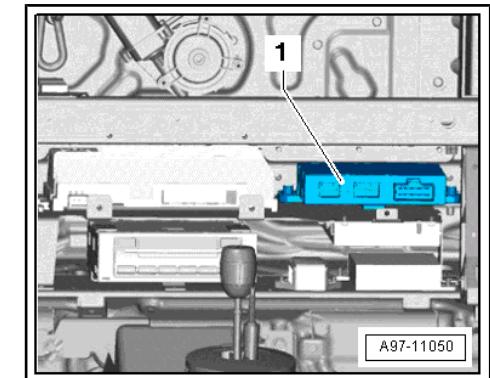
[Back to overview](#) [⇒ page 1](#).

1.15 Convertible Top Control Module -J256-

Component Location

Behind the left rear wall -1-.

Pin Arrangements



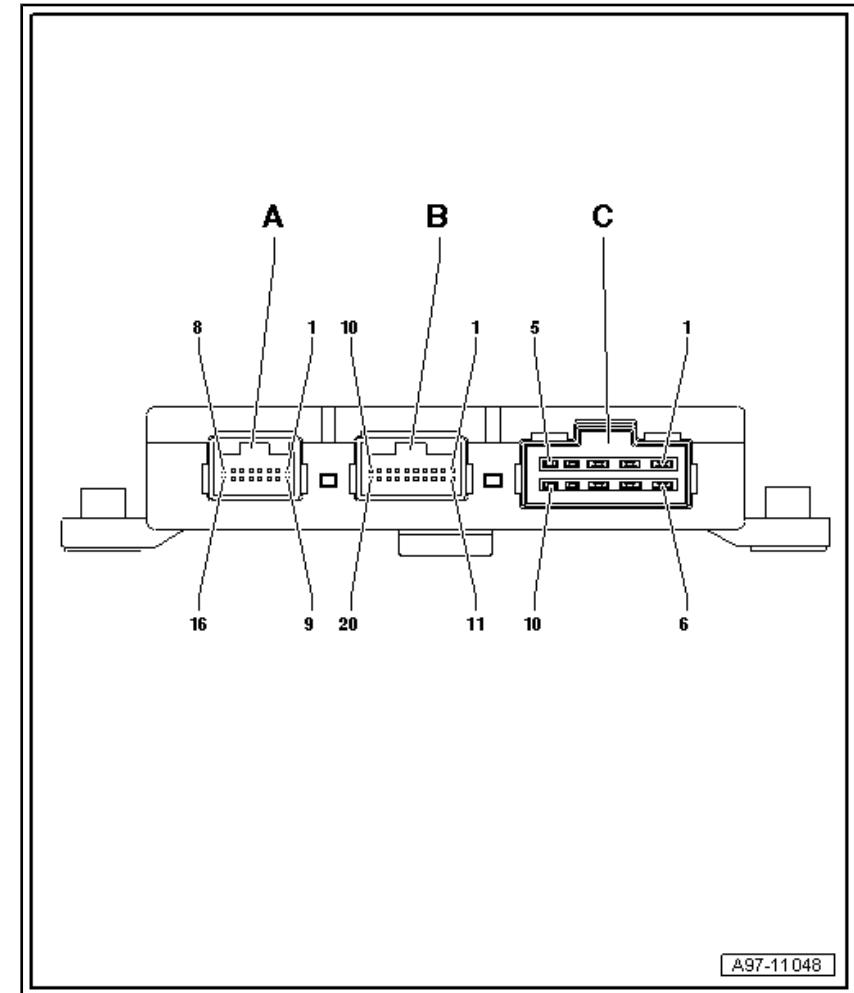
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- A - 16-Pin Connector -T16h-, black
- B - 20-Pin Connector -T20g-, black
- C - 10-Pin Connector -T10m-, black



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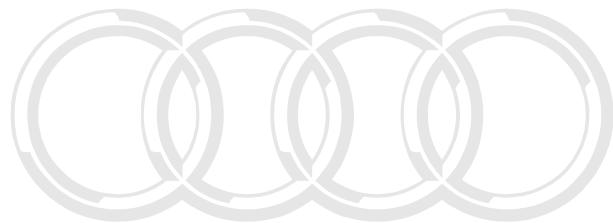
1.16 Instrument Cluster Control Module -J285-

Component Location

In driver's instrument panel.

Instrument Cluster Control Module -J285- also includes Anti-Theft Immobilizer Control Module -J362- .

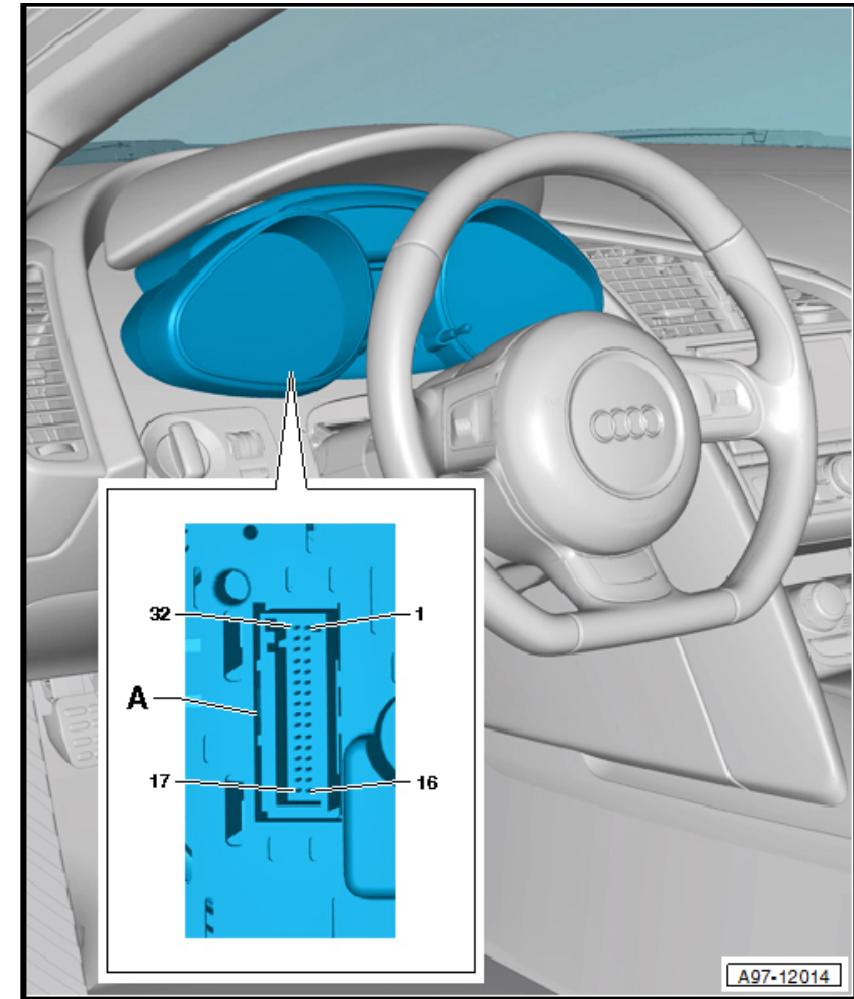
A - 32-Pin Connector -T32- , blue



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1.17 Climatronic Control Module -J255-

Component Location

In lower instrument panel, center. -1-.

1 - Climatronic Control Module -J255-

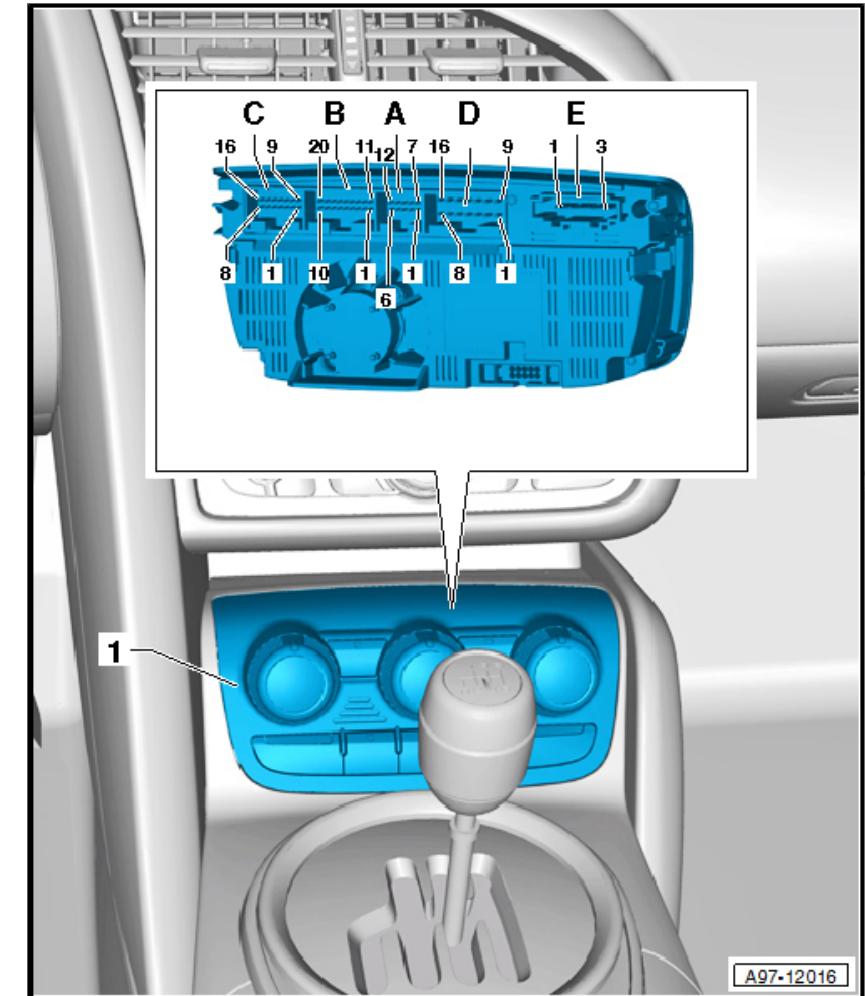
A - 12-Pin Connector -T12-

B - 20-Pin Connector -T20f-

C - 16-Pin Connector -T16c- , brown

D - 16-Pin Connector -T16b- , black

E - 3-Pin Connector -T3b- , black



[Back to overview](#) [page 1](#).

1.18 Battery Monitoring Control Module -J367-

Component Location

On Battery -A- -1-.

1 - Battery Monitoring Control Module -J367-

2 - negative terminal

3 - Battery -A-

4 -  Ground Connection (on right front cross member)

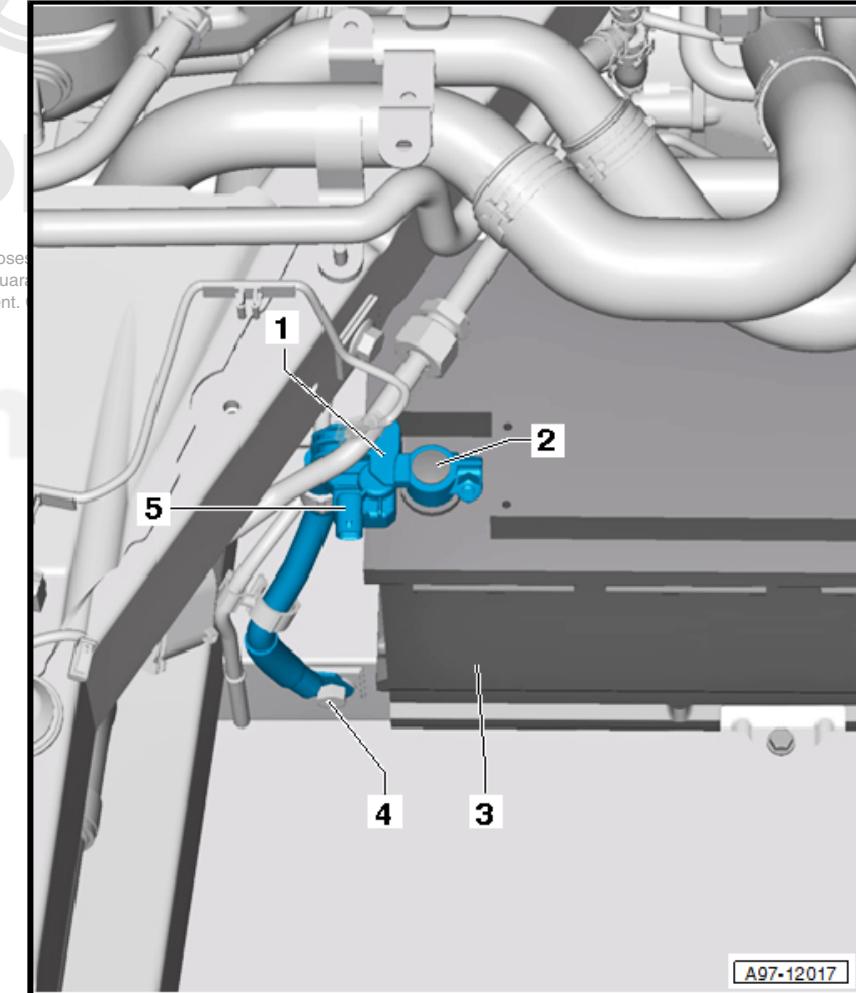
5 - Double Connector -T2bd-

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1.19 Garage Door Opener Control Module -J530-

Component Location

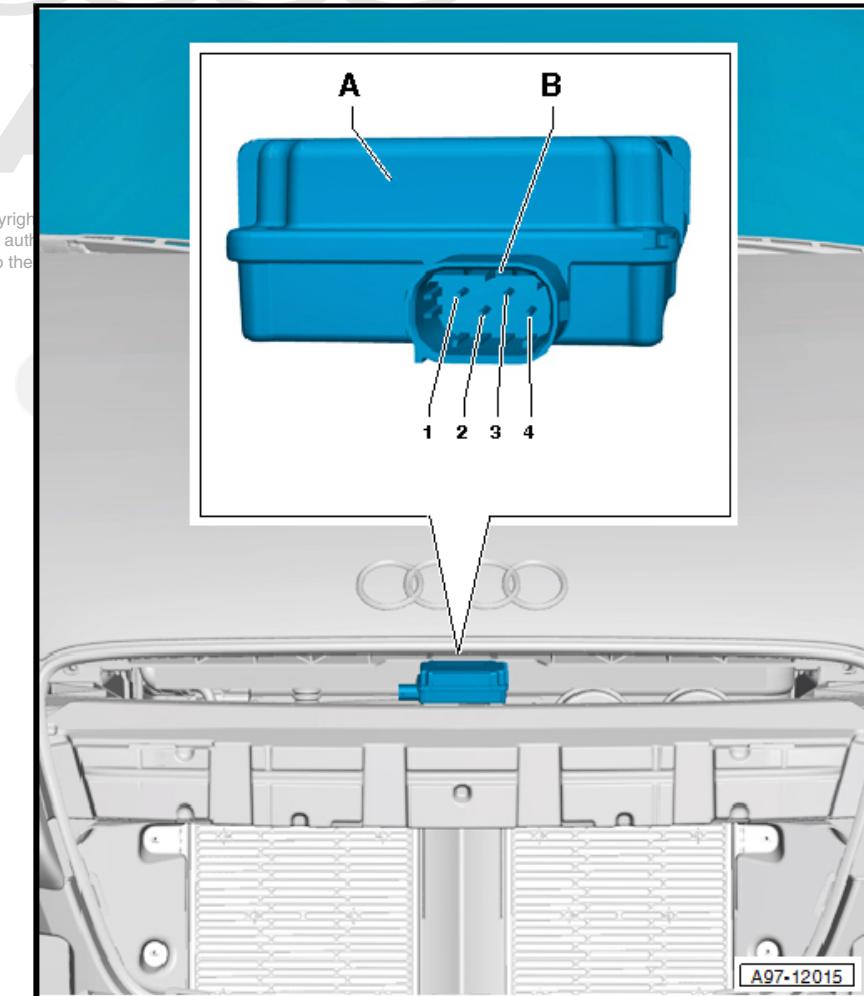
Behind front bumper trim.

A - Garage Door Opener Control Module -J530-

B - 4-Pin Connector -T4p-



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1.20 Wiper Motor Control Module -J400- / Front Passenger Windshield Wiper Motor Control Module -J584-

Component Location

In plenum chamber.

1 - Wiper Motor Control Module -J400-

- with Driver's Windshield Wiper Motor -V216-

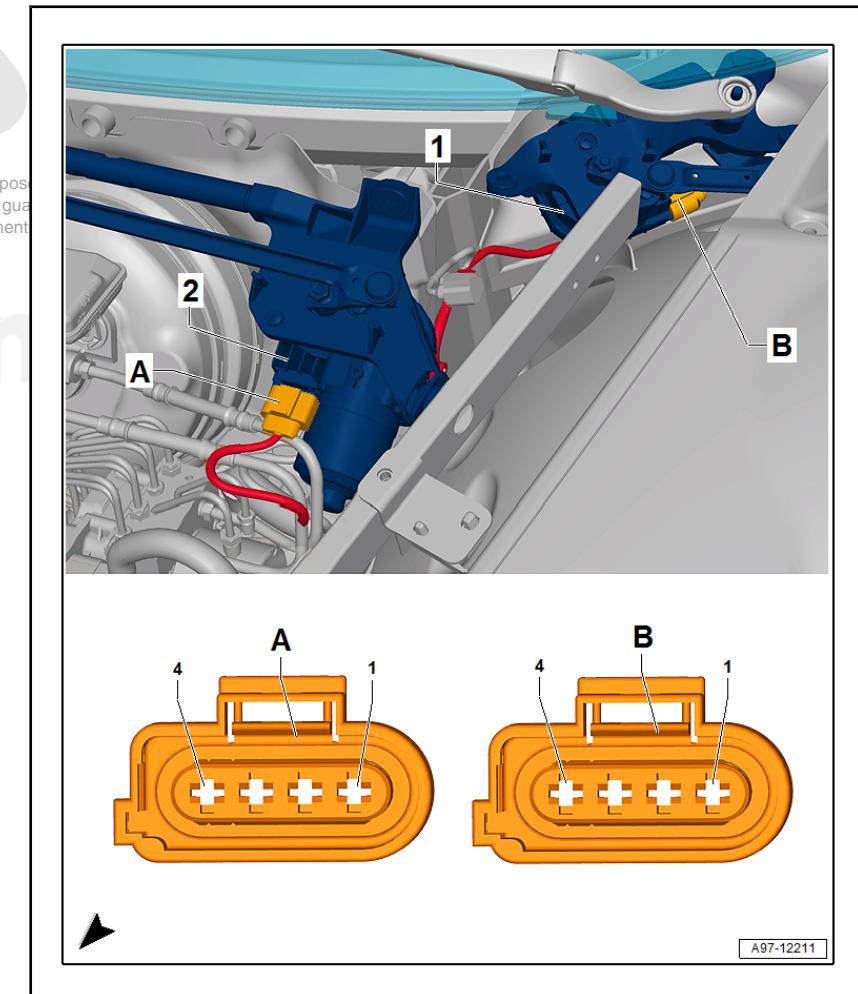
2 - Front Passenger Windshield Wiper Motor Control Module -J584-

- with Front Passenger Windshield Wiper Motor -V217-

A - 4-Pin Connector -T4-

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B - 4-Pin Connector -T4-



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1.21 Left High-intensity Gas Discharge Lamp Control Module -J343- / Right High-intensity Gas Discharge Lamp Control Module -J344-

Component Location

On headlamp.

1 - Headlamp

- In headlamp: Left Headlamp Power Output Stage -J667- / Right Headlamp Power Output Stage -J668- ,

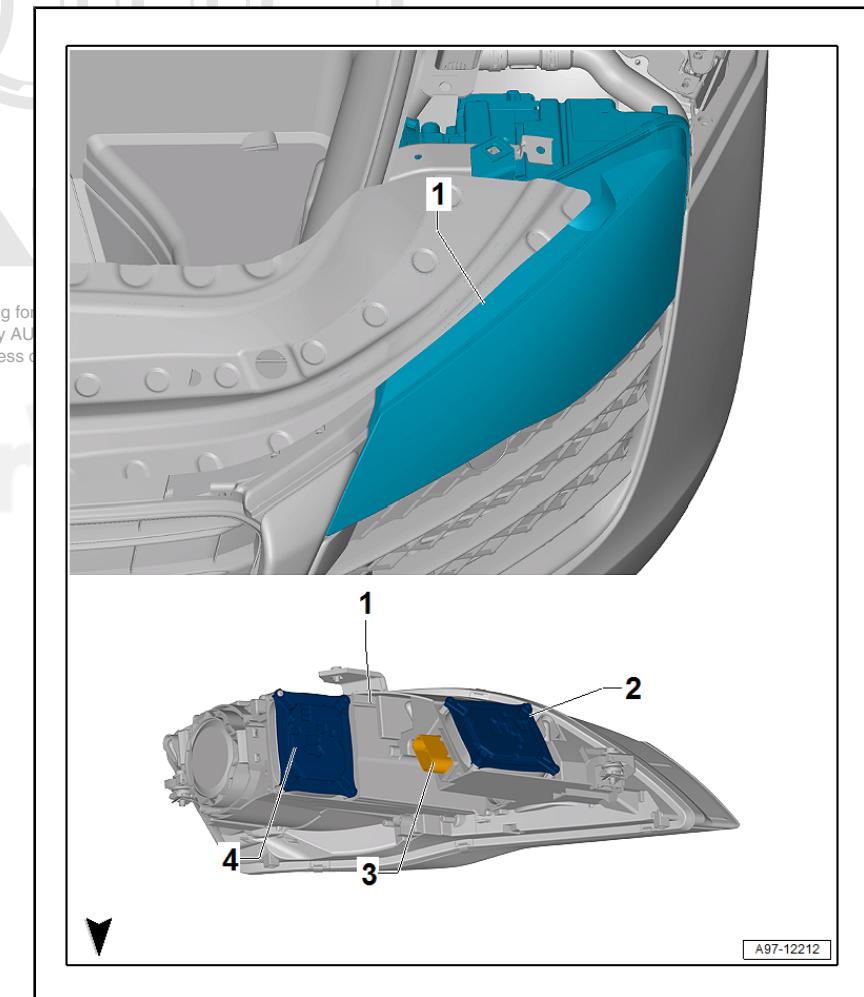
2 - Left LED Parking Lamp/DRL Module -L176- / Right LED Parking Lamp/DRL Module -L177-

3 -

14-Pin Connector -T14a- / 14-Pin Connector -T14b- , black

4 - Left High-intensity Gas Discharge Lamp Control Module -J343- / Right High-intensity Gas Discharge Lamp Control Module -J344-

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1.22 Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27-

Component Location

On headlamp.

1 - LED headlamp

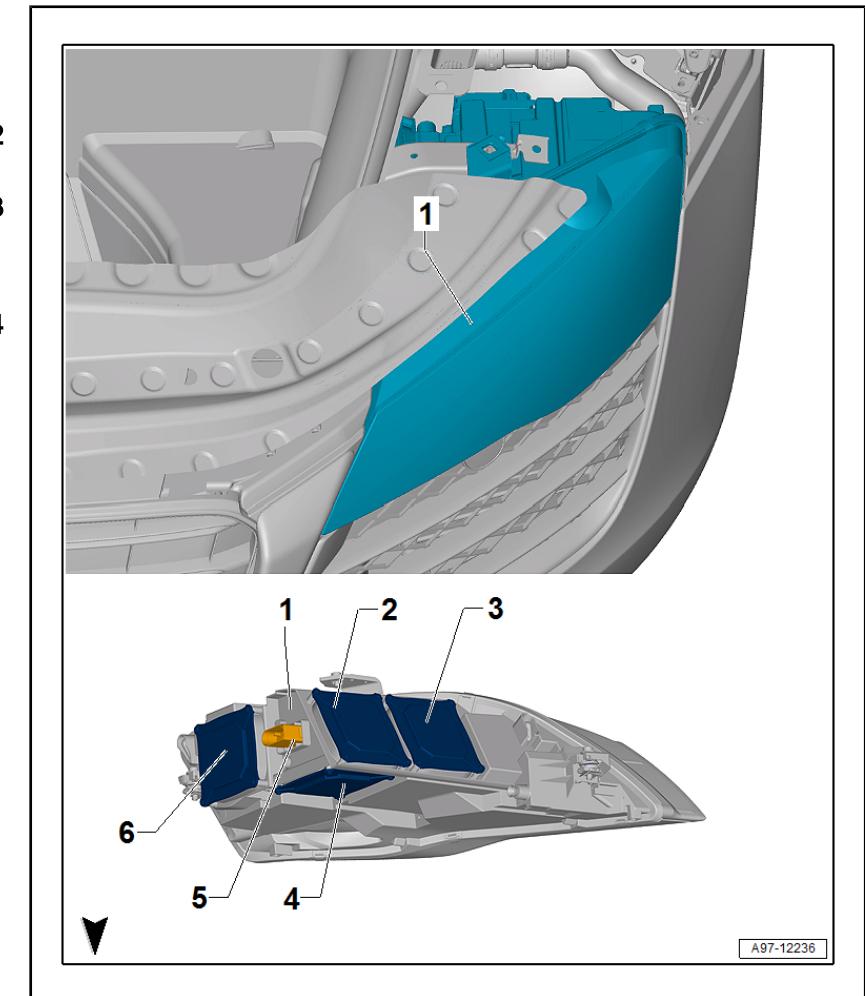
2 - Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27-

3 - Left LED Headlamp Power Output Stage 2 -A32- / Right LED Headlamp Power Output Stage 2 -A28-

4 - Left LED Headlamp Power Output Stage 3 -A33- / Right LED Headlamp Power Output Stage 3 -A29-

5 - 14-Pin Connector -T14a- / 14-Pin Connector -T14b-, black

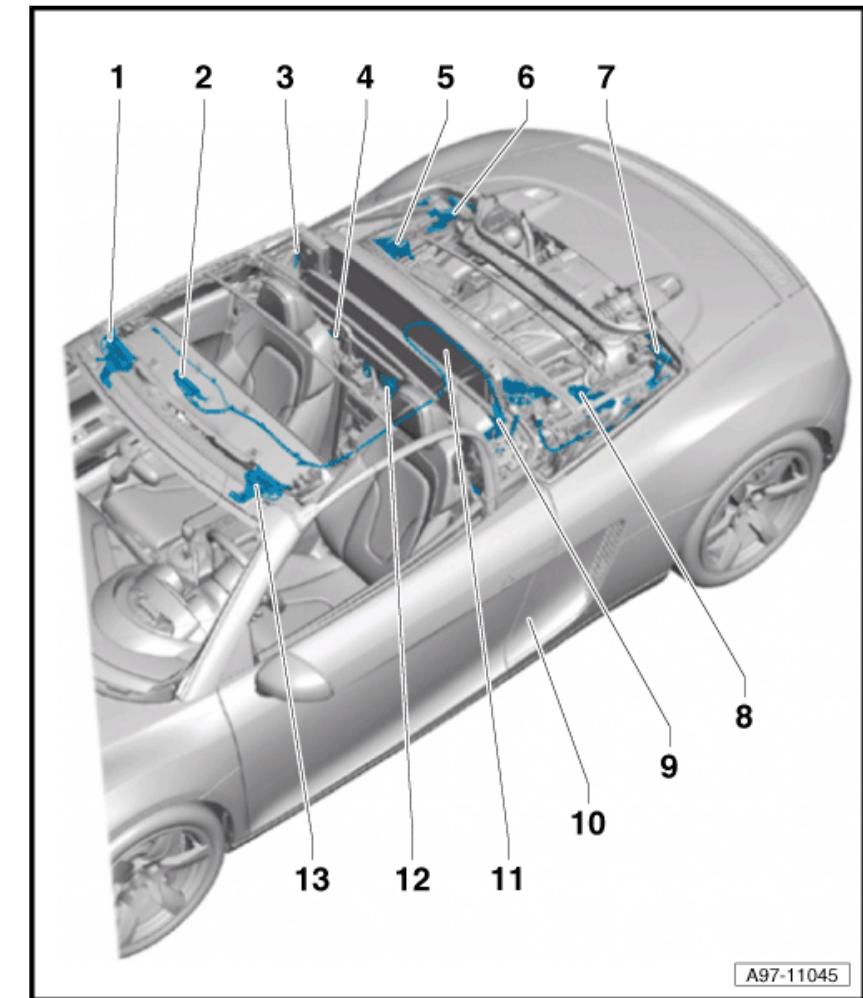
6 - Left LED Headlamp Power Output Stage 4 -A34- / Right LED Headlamp Power Output Stage 4 -A30-



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1.23 Convertible Top Control Modules

Overview of Control Modules



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1 - Right front convertible top switch -F434-

- Component Location [⇒ page 42](#)

2 - Convertible Top Lock Switch (open) -F294-

- Component: -F169-, -F170-
- Component Location [⇒ page 43](#)

3 - Right Convertible Top Main Cylinder, Right Inner Cylinder

- Component: -F420-, -F431-
- Component Location [⇒ page 43](#)

4 - Rear Window Motor -V456-

- Component Location [⇒ page 48](#)

5 - Right Top Flap Motor -V381-

- Component: -F425-, -F426-, -F429-
- Component Location [⇒ page 44](#)

6 - Right Convertible Top Compartment Cover Cylinder

- Component: -F421-, -F422-
- Component Location [⇒ page 44](#)

7 - Left Convertible Top Compartment Cover Cylinder

- Component: -F407-, -F417-, -F418-, -F430-
- Component Location [⇒ page 45](#)

8 - Left Convertible Top Main Cylinder, Left Inner Cylinder

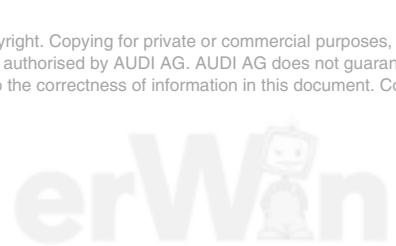
- with -F171- / -F419- / -F432-
- Component Location [⇒ page 45](#)

9 - Left Top Flap Motor -V383-

- Component: -F424-, -F427-, -F428-
- Component Location [⇒ page 46](#)

10 - Convertible Top Hydraulic Pump -V118-

- Component Location [⇒ page 46](#)


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**11 -
Valve Block**

- Component: -N272- , -N341- , -N342- , -N503- , -N504- , -N505-
- Component Location [⇒ page 47](#)

**12 -
Lower Rear Window Switch -F416- / Center Rear Window Switch -F423-**

- Component Location [⇒ page 47](#)

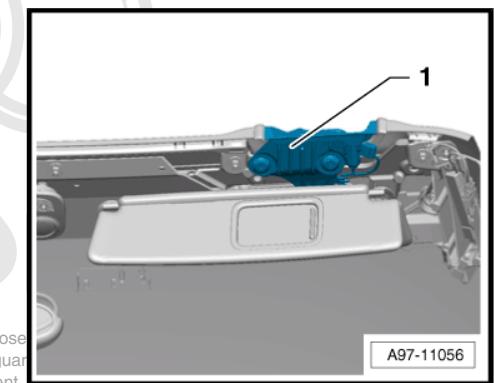
13 - Convertible top front switch -F202- , left

- Component Location [⇒ page 48](#)

1.23.1 Right front convertible top switch -F434-**Component Location**

On right front roof frame -1-.

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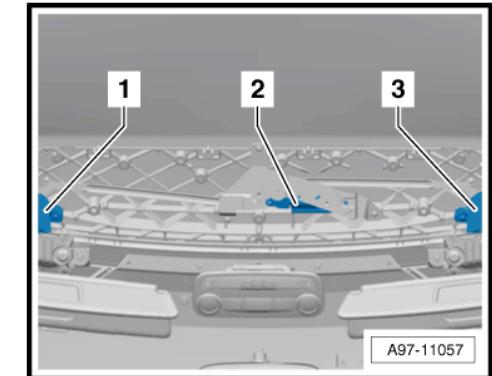
1.23.2 Convertible Top Lock Switch (open) -F294-

Component Location

On Front Convertible Top.

- 1 - Convertible Top Left Lock Switch -F169-
- 2 - Convertible Top Lock Switch (open) -F294-
- 3 - Convertible Top Right Lock Switch -F170-

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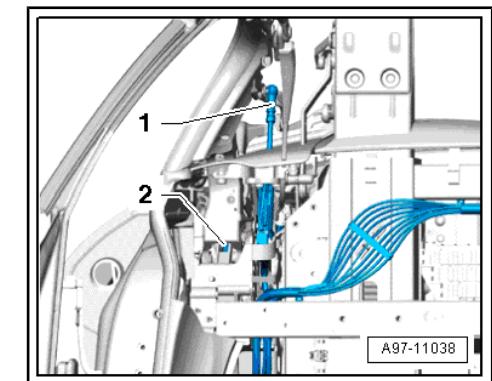
1.23.3 Right Convertible Top Main Cylinder, Right Inner Cylinder

Component Location

In Front Right Convertible Top Housing.

- 1 - Inner Cylinder, right
 - Right Tensioning Bow Switch -F420-
 - 2 - Right Convertible Top Main Cylinder
 - Upper Right Tensioning Bow Switch -F431-
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1.23.4 Right Top Flap Motor -V381-

Component Location

In Front Upper Right Convertible Top Housing.

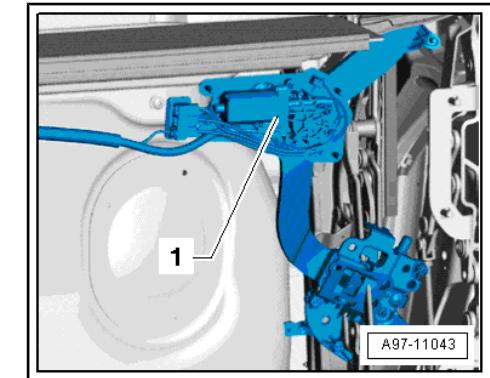
1 - Right Top Flap Motor -V381-

- Convertible Roof Flap Retracted Switch, right -F425-

- Convertible Roof Flap Extended Switch, right -F426-

- Convertible Roof Flap Centre Position Switch, right -F429-

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1.23.5 Right Convertible Top Compartment Cover Cylinder

Component Location

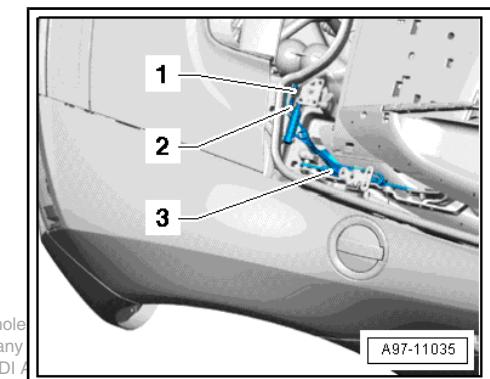
In Rear Right Convertible Top Housing.

1 - Convertible Top Compartment Locked Switch, right -F421-

2 - Convertible Top Compartment Unlocked Switch, right -F422-

3 - Right Convertible Top Compartment Cover Cylinder

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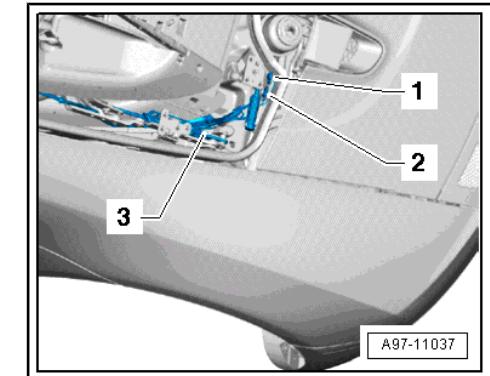
1.23.6 Left Convertible Top Compartment Cover Cylinder

Component Location

In Rear Left Convertible Top Housing.

- 1 - Left Convertible Top Compartment Locked Switch -F417-
- 2 - Left Convertible Top Compartment Unlocked Switch -F418-
- 3 - Left Convertible Top Compartment Cover Cylinder
- Convertible Top Compartment Open Switch -F407-
- Lower Convertible Top Compartment Cover Switch -F430-

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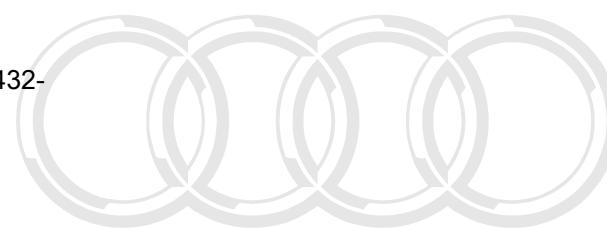
1.23.7 Left Convertible Top Main Cylinder, Left Inner Cylinder

Component Location

In Front Left Convertible Top Housing.

- 1 - Left Convertible Top Main Cylinder
- Convertible Top Open Position Switch -F171-
- 2 - Inner Cylinder, left
- Left Tensioning Bow Switch -F419-
- Upper Left Tensioning Bracket Switch -F432-

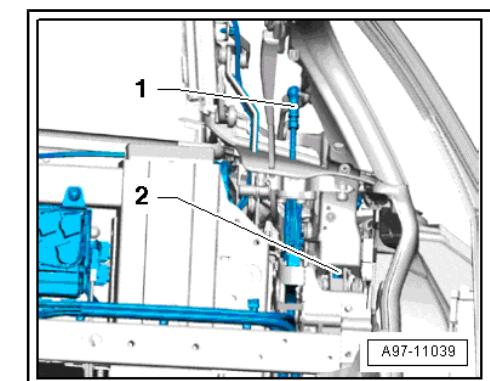
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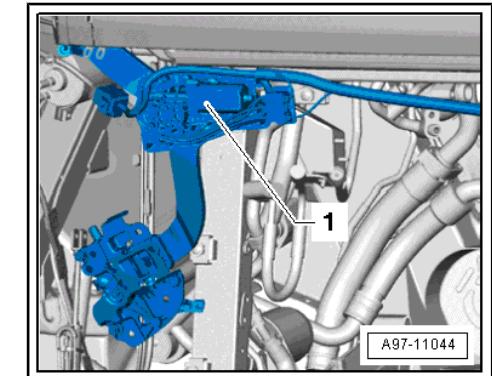
1.23.8 Left Top Flap Motor -V383-

Component Location

In Front Upper Left Convertible Top Housing.

- 1 - Left Top Flap Motor -V383-
- Convertible Roof Flap Retracted Switch, left -F424-
- Convertible Roof Flap Extended Switch, left -F427-
- Left Convertible Top Compartment Center Position Switch -F428-

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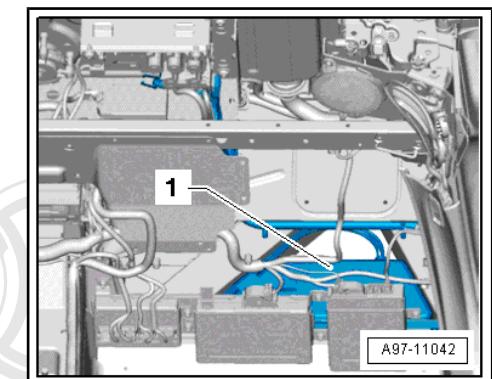
1.23.9 Convertible Top Hydraulic Pump -V118-

Component Location

On rear left cross member.

- 1 - Convertible Top Hydraulic Pump -V118-

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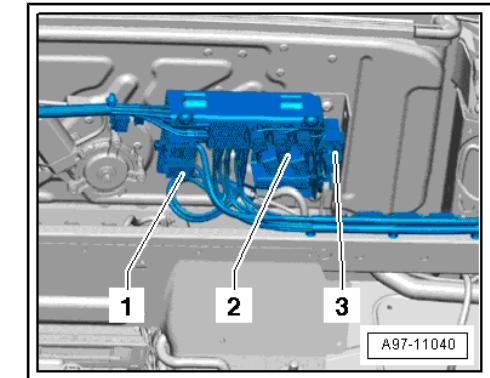
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1.23.10 Valve Block

Component Location

Behind the left rear wall.

- 1 - 12-Pin Connector -T12s-
- 12-Pin Connector -T12au-
- 2 - Valve Block
 - Power Convertible Top Valve 1 -N272-
 - Power Convertible Top Valve 2 -N341-
 - Power Convertible Top Valve 3 -N342-
 - Power Convertible Top Valve 4 -N503-
 - Power Convertible Top Valve 5 -N504-
 - Power Convertible Top Valve 6 -N505-
- 3 - Valves Connections



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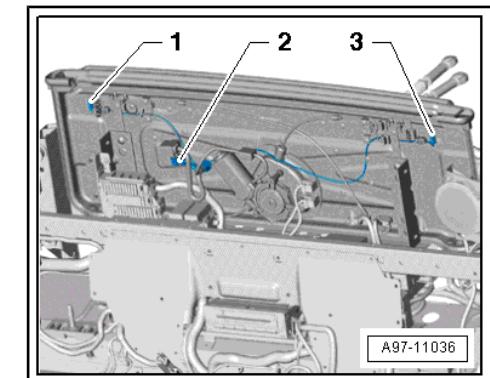
1.23.11 Lower Rear Window Switch -F416- / Center Rear Window Switch -F423-

Component Location

On Rear Window Module.

- 1 - Center Rear Window Switch -F423-
- 2 - 4-Pin Connector -T4an-
- 3 - Lower Rear Window Switch -F416-

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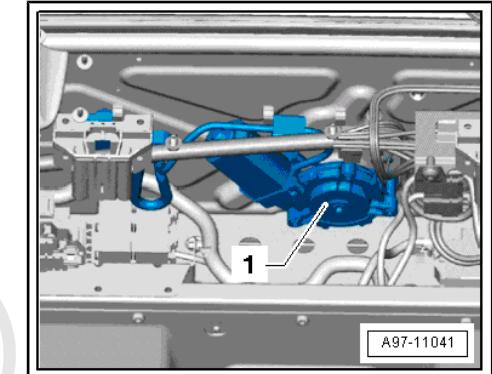
1.23.12 Rear Window Motor -V456-

Component Location

Behind the centre rear wall, on rear window module.

1 - Rear Window Motor -V456-

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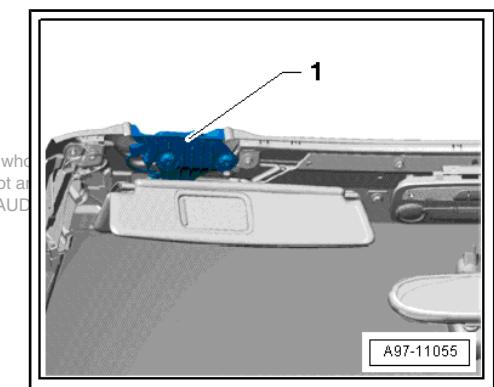
1.23.13 Convertible top front switch -F202- , left

Component Location

On left front roof frame.

1 - Convertible top front switch -F202- , left

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1 Relay

1.1 Overview of Relay Carrier

1 - Relay Carrier (in front right footwell)

- Component Location and Relay Arrangements, through May 2009 [⇒ page 2](#)
- Component Location and Relay Arrangements, from June 2009 [⇒ page 4](#)

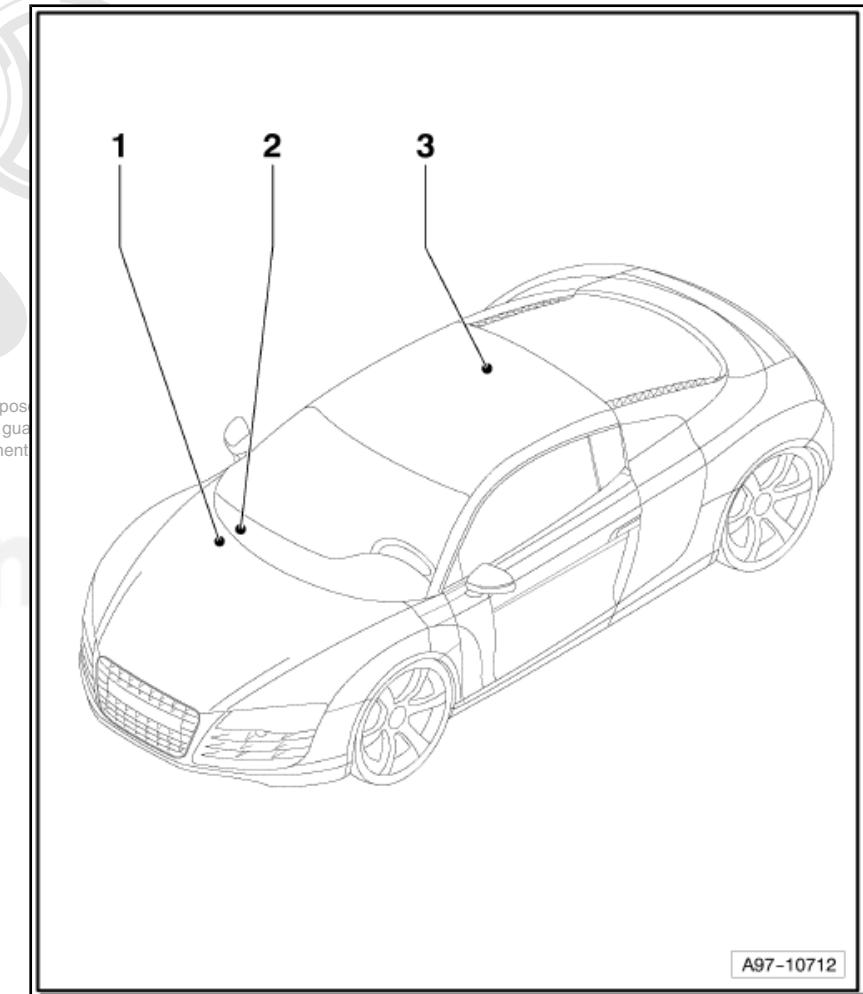
2 - Position of Relays on Vehicle Electrical System Control Module -J519-

- Component Location and Relay Arrangements, through May 2009 [⇒ page 6](#)

3 - 9-point relay and fuse carrier

- Component Location and Position of Relays [⇒ page 7](#)

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1.2 Relay Carrier (in front right footwell)

1.2.1 Component Location and Relay Arrangements, through May 2009

Component Location

In front right footwell -5-.

1 - Center Speaker -R148-

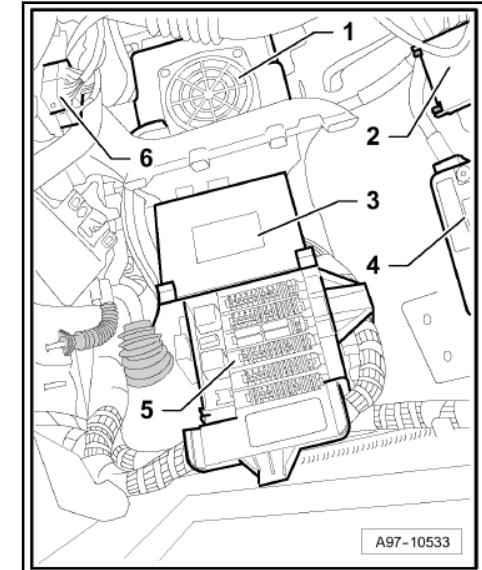
2 - Main Distribution

3 - Vehicle Electrical System Control Module -J519-

4 - Main Fuse Panel

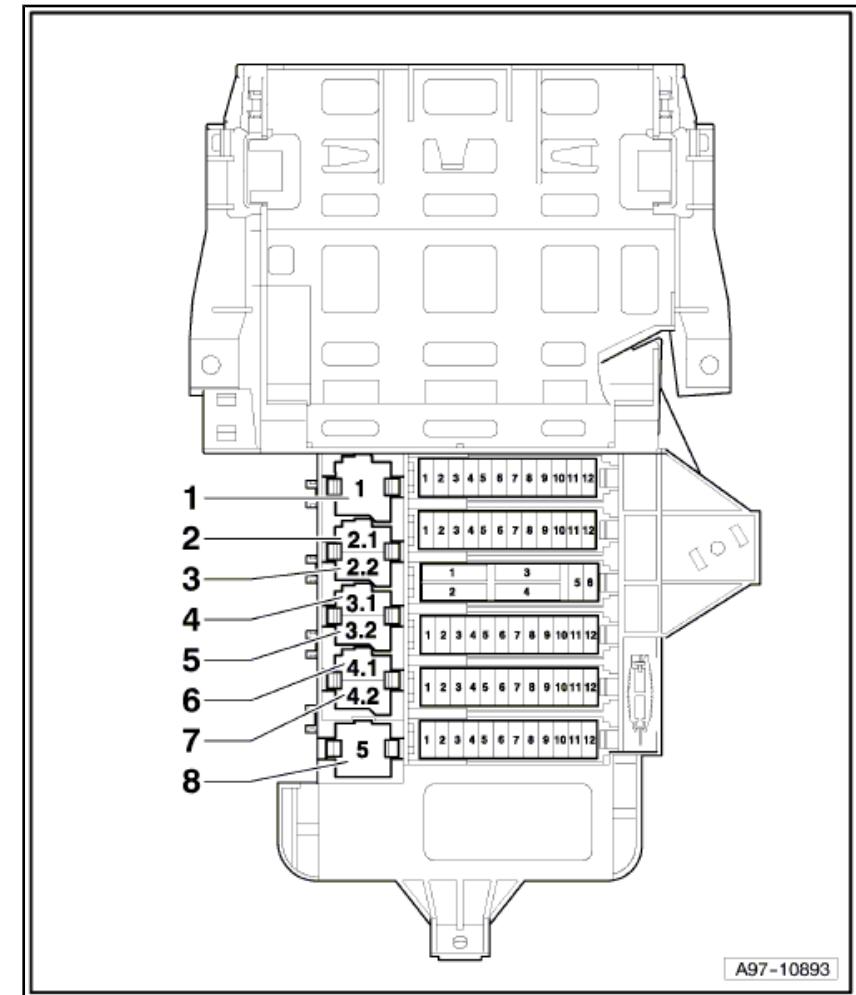
5 - Relay and fuse carrier (in front right footwell)
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6 - Connector station behind right center console



Position of Relays

- 1 - Control Relay -J789-
 - Connection 1
- 2 - Sockets Relay -J807-
 - Connection 2.1
- 3 - Brake Booster Relay -J569-
 - Connection 2.2
- 4 - Headlamp Washer Relay -J39-
 - Through May 2008
 - Connection 3
- 4 - Partition Window Defogger Relay -J884-
 - from June 2008
 - Connection 3.1
- 5 - Headlamp Washer Relay -J39-
 - from June 2008
 - Connection 3.2
- 6 - Coolant Circulation Pump Relay -J151-
 - only super hot countries 8Z9
 - Connection 4.1
- 7 - Not used
 - Connection 4.2
- 8 - Not used
 - Through May 2008
- 8 - Rear Lid Central Locking Relay -J380-
 - from June 2008
 - Connection 5



A97-10893

[Back to overview](#) [page 1](#).

1.2.2 Component Location and Relay Arrangements, from June 2009

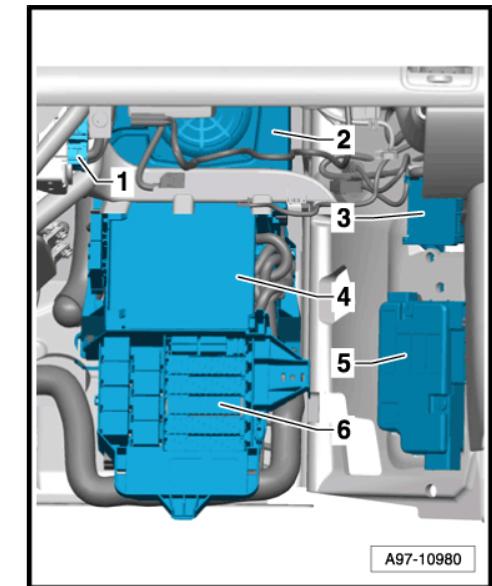
Component Location

In front right footwell -6-.

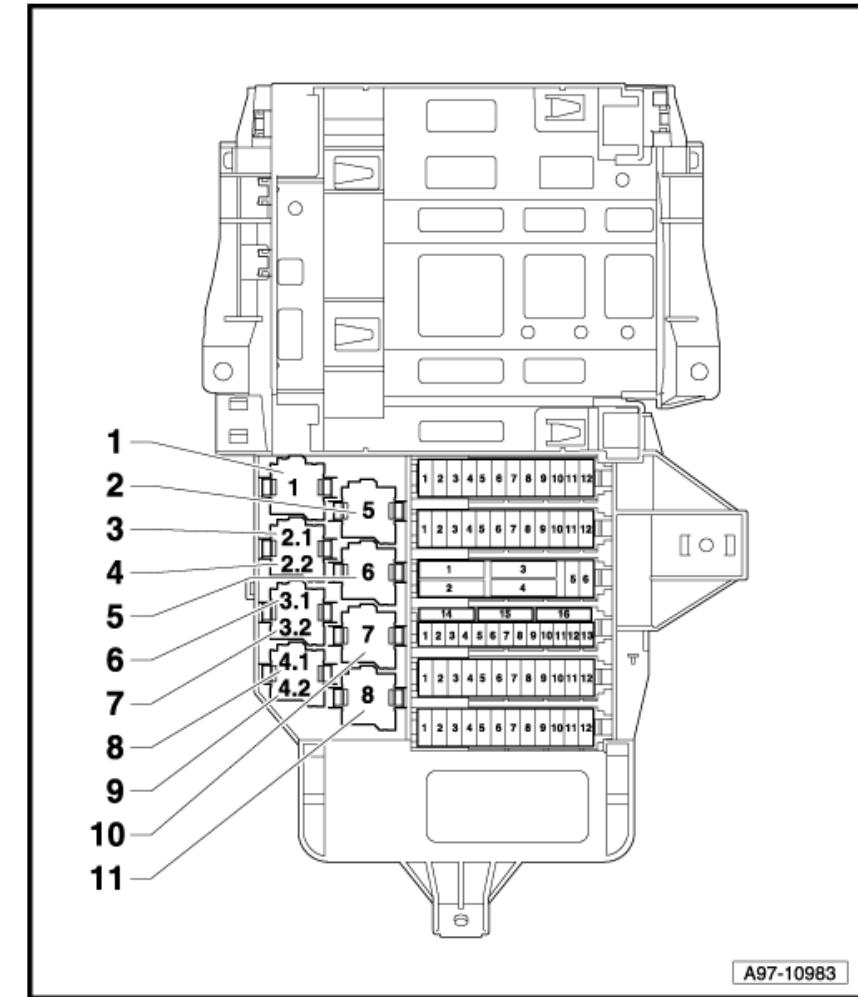
- 1 - Connector station behind right center console
- 2 - Center Speaker -R148-
- 3 - Main Distribution
- 4 - Vehicle Electrical System Control Module -J519-
- 5 - Main Fuse Panel
- 6 - Relay and fuse carrier (in front right footwell)



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- 1 - Control Relay -J789-
 - Connection 1
- 2 - Rear Lid Central Locking Relay -J380-
 - Connection 5
- 3 - Sockets Relay -J807-
 - Connection 2.1
- 4 - Brake Booster Relay -J569- / Auxiliary Engine Coolant (EC) Pump Relay -J496-
 - Connection 2.2
- 5 - Power Supply Relay (terminal 15) -J329-
 - Connection 6
- 6 - Horn Relay -J413-
 - Connection 3.1
- 7 - Headlamp Washer Relay -J39-
 - Connection 3.2
- 8 - Coolant Circulation Pump Relay -J151-
 - Connection 4.1
- 9 - Not used
 - Connection 4.2
- 10 - Rear Window Defogger Relay -J9-
 - Connection 7
- 11 - Not used
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 - Connection 8



[Back to overview !\[\]\(ac95bdc3093da4bd24de2a2073b0df0d_img.jpg\) page 1](#).

1.3 Relay on Vehicle Electrical System Control Module -J519- , through May 2009

1 - Power Supply Relay 2 (terminal 15) -J681-

- Connection B1

2 - Not used

- Connection B2

3 - Rear Window Defogger Relay -J9-

- Connection B5

4 - Horn Relay -J413-

- Connection B6

5 - Not used

- Connection B9

6 - Windshield Washer Pump Relay -J576-

- Connection B8

7 - Not used

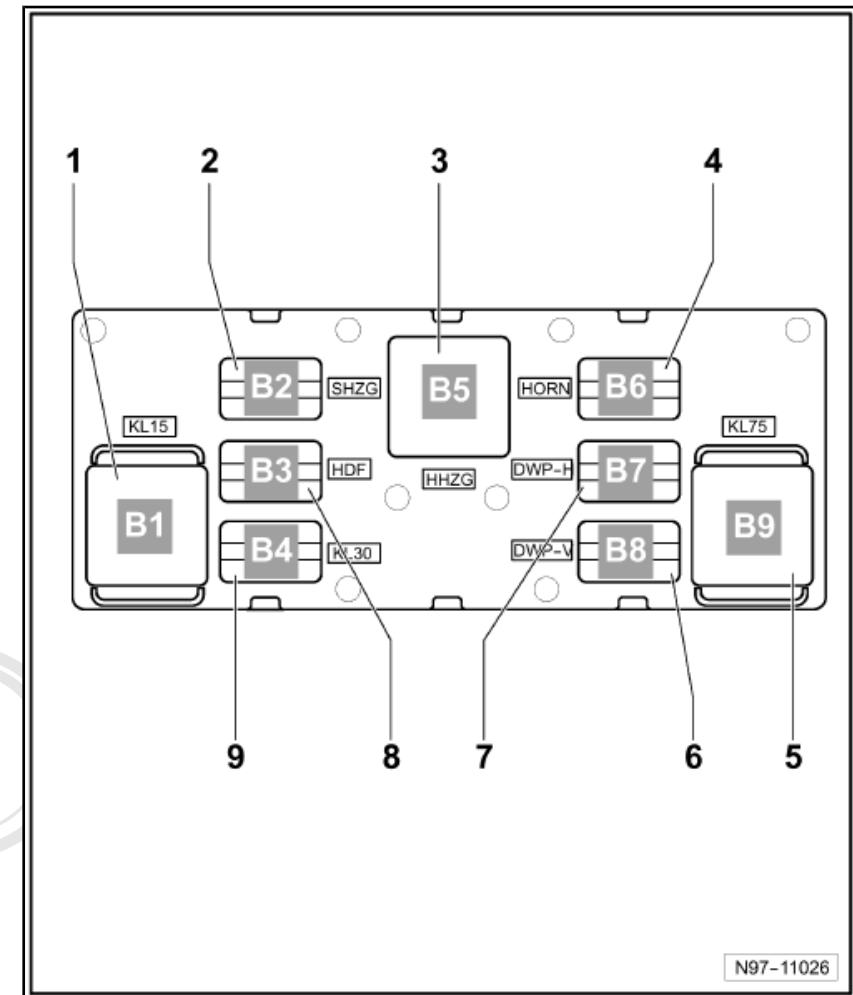
- Connection B7

8 - Not used

- Connection B3

9 - Power Supply Relay 2 (terminal 30) -J689-

- Connection B4



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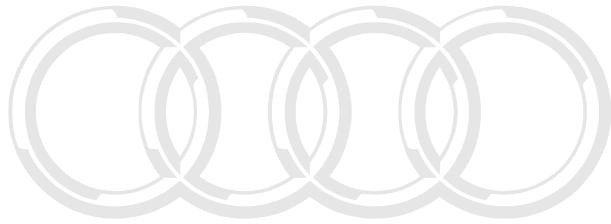


[Back to overview](#) [page 1](#).

1.4 Relays on 9-point relay and fuse carrier

Component Location

Below right parcel shelf -7-, Coupé

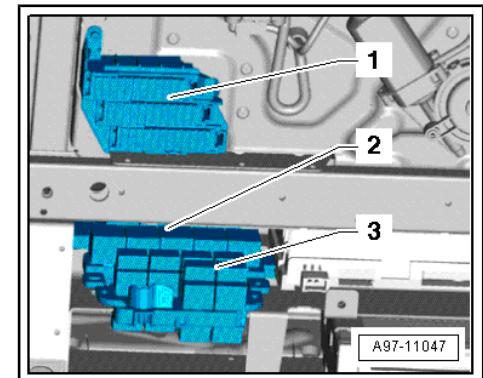
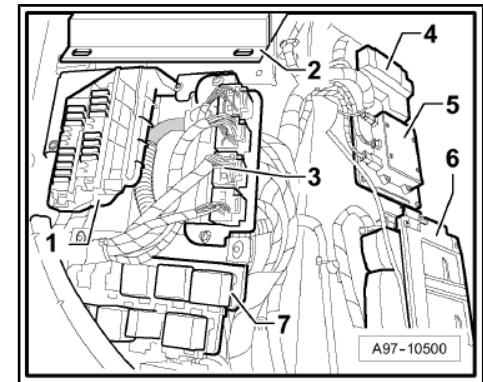


Behind the right rear wall -2-, Spyder

Position of Relays



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1 - Motronic Engine Control Module (ECM) Power Supply Relay -J271-

2.1 - Terminal 15 Relay -J940-

Only Audi R8 GT with Race Package

2.2 - Not used

3 - Starter Relay -J53-

4 - Starter Relay 2 -J695-

5 - Secondary Air Injection (AIR) Pump Relay -J299-

6 - Engine Component Power Supply Relay -J757-

7 - Transmission Hydraulic Pump Relay -J510-

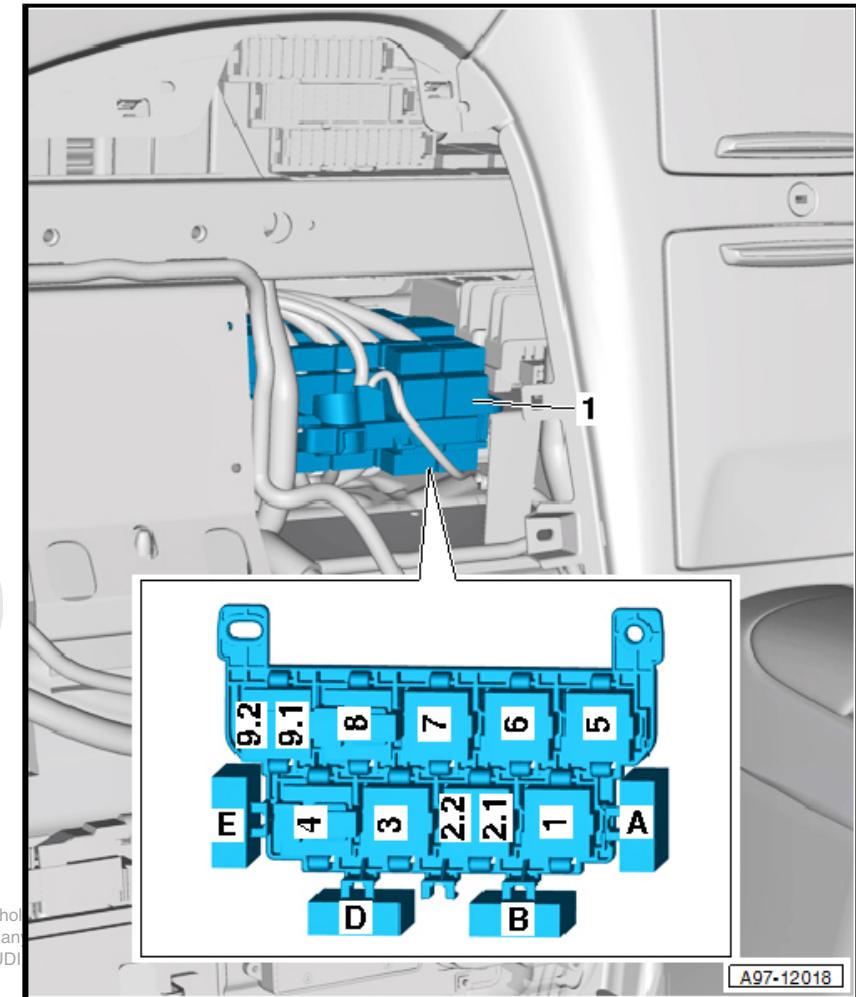
8 - Secondary Air Injection (AIR) Pump Relay 2 -J545-

9.1 - Emergency Off Relay -J970-

Only Audi R8 GT with Race Package

9.2 - Motronic Engine Control Module (ECM) Power Supply Relay 2 -J670-

Only Audi R8 GT with Race Package



[Back to overview](#) [page 1](#).

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1 Harness routing

1.1 Harness door routing

1 -
Door coupling - A-pillar

2 - Wire to
Driver's Interior Locking Button -E308- / Front Passenger's Interior Locking Button -E309-

3 -
Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104- in doors, central

4 -
Driver's Side Airbag Crash Sensor -G179- / Front Passenger's Side Airbag Crash Sensor -G180-

5 -
Alarm System -Off- Switch -E217- / Interior Monitoring Switch -E183-

6 -
Driver's Door Central Locking Lock Unit -F220- / Left Rear Central Locking Lock Unit -F222-
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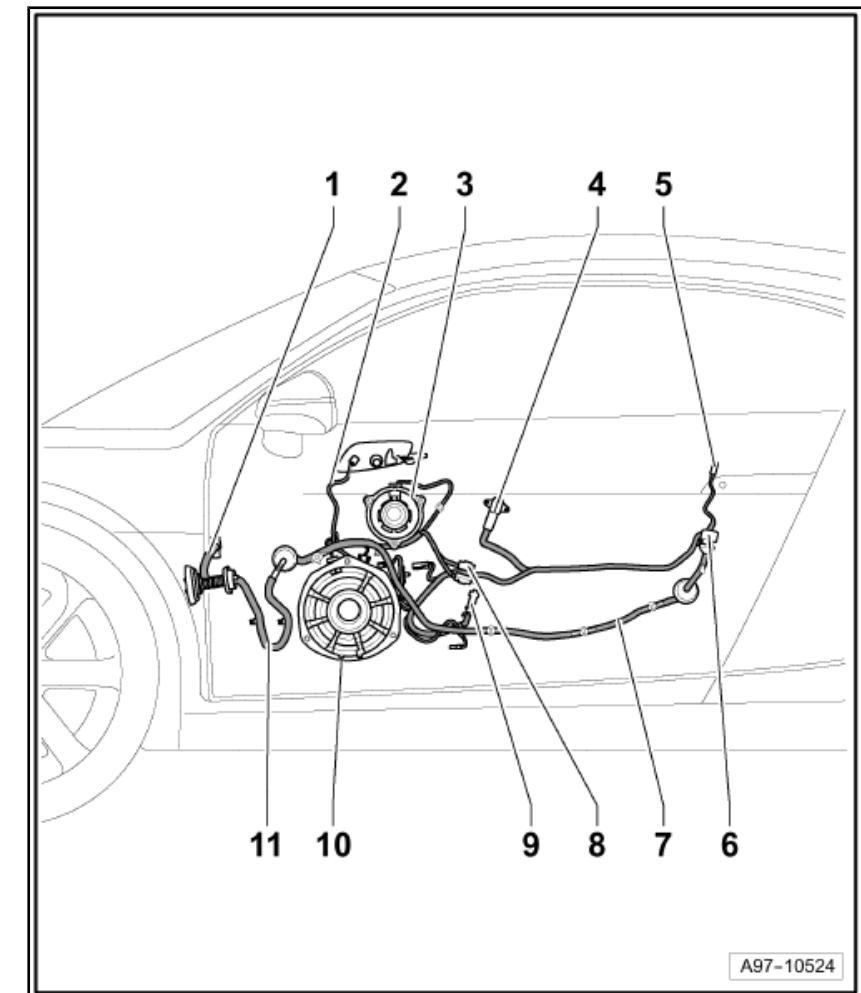
7 - Wiring to lock unit
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8 - Driver's Door Control Module -J386- / Front Passenger's Door Control Module -J387-

9 - Driver's Door Control Module -J386- / Front Passenger's Door Control Module -J387-

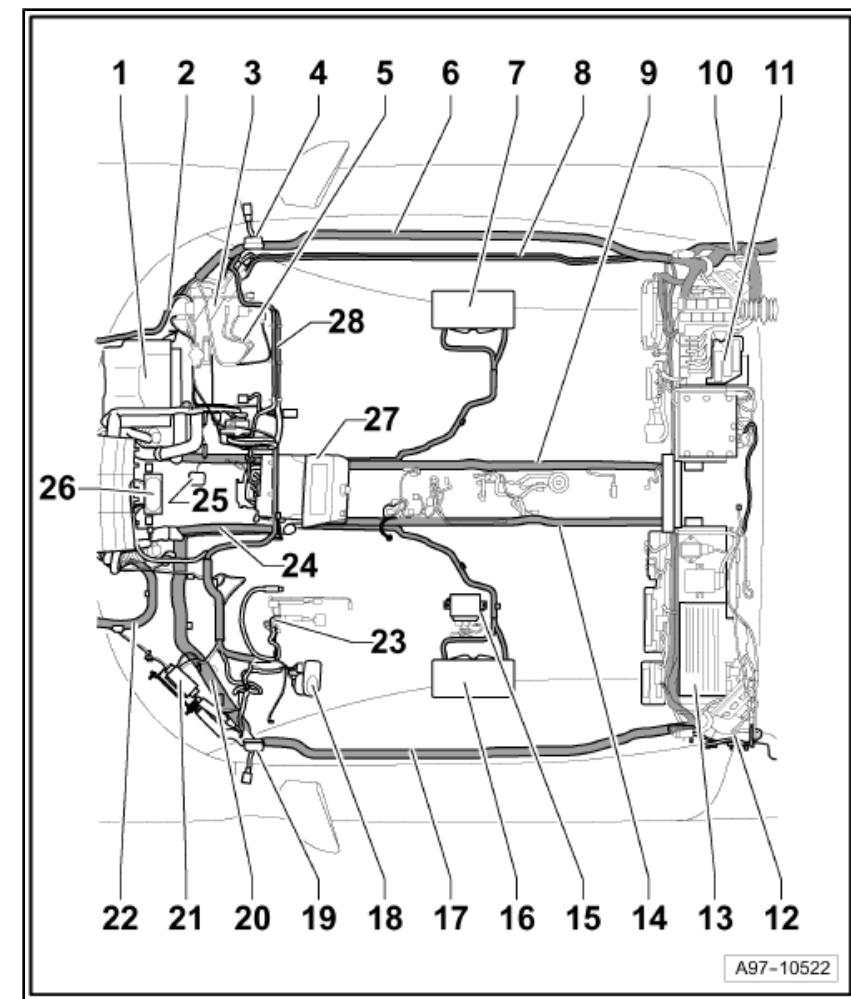
10 -
Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23- in doors, lower

11 - Wiring from door coupling to the door control modules



1.2 Harness interior routing

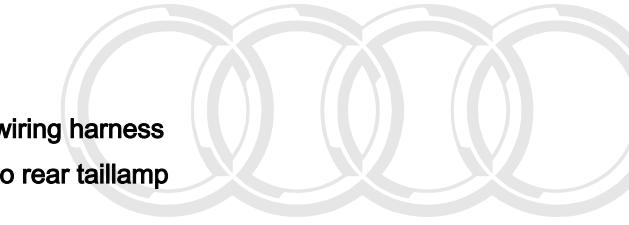
- 1 - Center Speaker -R148-
- 2 - Starter wire duct
- 3 - Wiring harness to A-pillar right
- 4 - Door connector station
- 5 - wiring harness glove compartment
- 6 - Wiring harness to control modules below right parcel shelf
- 7 - Connector station below front passenger's seat
- 8 - Starter wire below vehicle floor
- 9 - Wiring harness from center console to right rear
- 10 - Duct wiring harness to engine compartment
- 11 - Control modules below right parcel shelf
- 12 - Duct wiring harness to engine compartment
- 13 - Control modules below left parcel shelf
- 14 - Wiring harness from center console to left rear
- 15 - Parking Aid Control Module -J446-
- 16 - Connector station below driver's seat
- 17 - Wiring harness to control modules below left parcel shelf
- 18 - Light Switch -E1-
- 19 - Door connector station
- 20 - Wiring harness to A-pillar left
- 21 - Data Bus On Board Diagnostic Interface -J533-
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- 22 - Wiring harness to front left luggage compartment
- 23 - Steering column connectors
- 24 - Wiring harness to left instrument panel
- 25 - Navigation System Antenna -R50-
- 26 - Center Midrange Speaker -R158-
- 27 - Navigation System Control Module with CD Drive -J401-



28 - Right instrument panel wiring harness

1.3 Wiring harness routing engine compartment

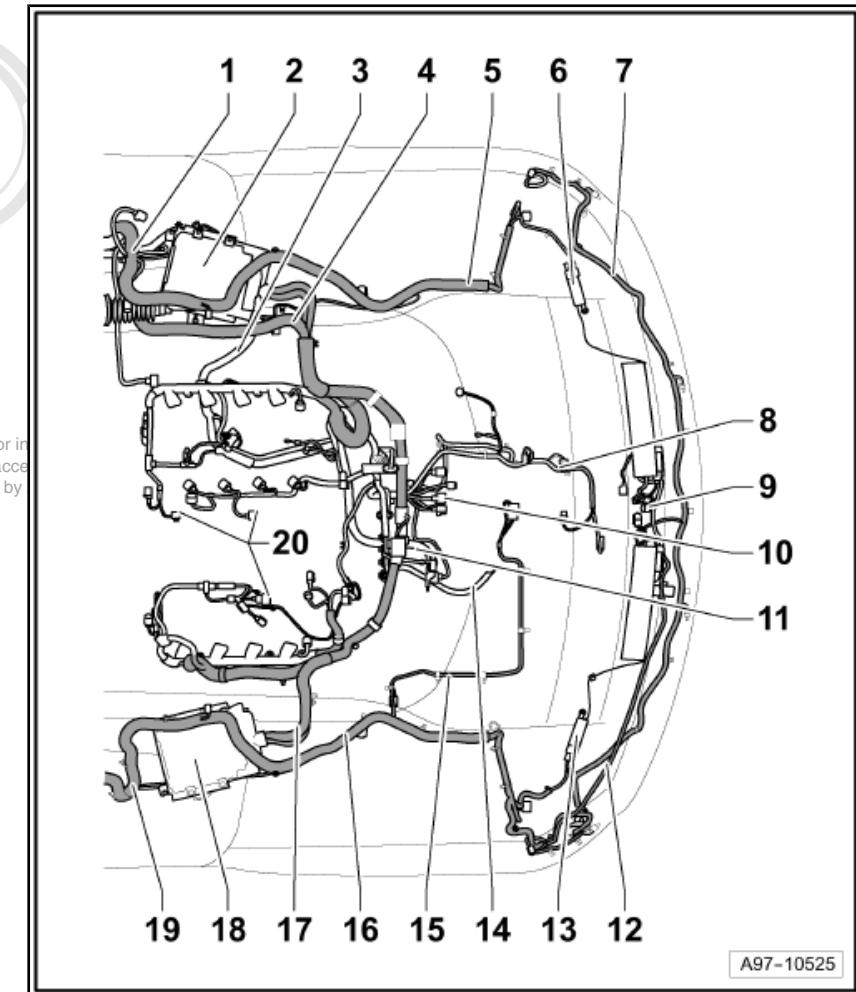
- 1 - Duct to interior
- 2 - Engine Control Module (ECM) -J623-
- 3 - Starter wire from models underbody
- 4 - Engine compartment to engine pre-wiring wiring harness
- 5 - Wiring harness right engine compartment to rear taillamp
- 6 - Antenna Amplifier 4 -R113-
- 7 - Rear bumper wiring harness
- 8 - Generator, A/C compressor, transmission wiring harness
- 9 - Connectors rear spoiler, Rear View
- 10 - Coupling to transmission
- 11 - Heated oxygen sensor (HO2S) coupling
- 12 - Wiring harness to rear spoiler, Rear View
- 13 - Antenna Amplifier -R24-
- 14 - Starter wire on Starter -B-
- 15 - Wiring harness to front hood switch
- 16 - Wiring harness left engine compartment to rear taillamp
- 17 - Wiring harness from Engine Control Module 2 -J624-
- 18 - Engine Control Module (ECM) 2 -J624-
- 19 - Duct to interior
- 20 - Engine pre-wiring



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1.4 Harness roof / A-pillar routing

1 - Connector Right Front Treble Speaker -R22-

2 - Right A-pillar wire

3 - Antenna Amplifier 3 -R112-

4 - Mirror wire

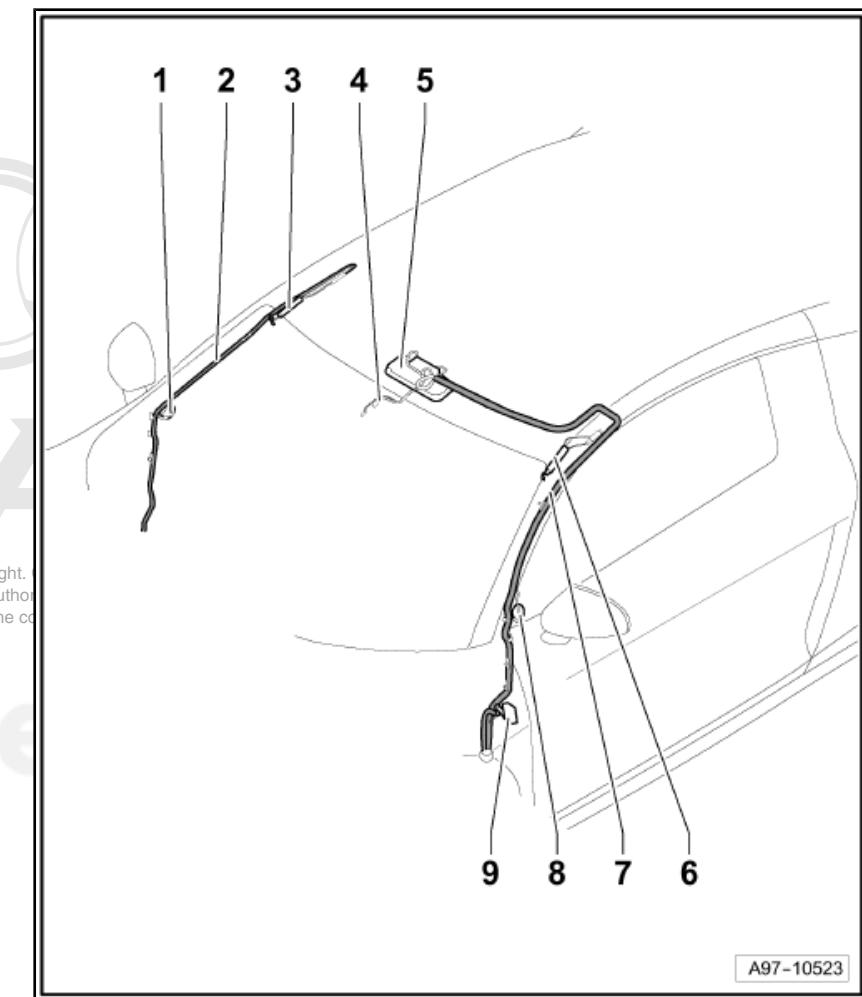
5 - Front Interior Light -W1-

6 - Antenna Amplifier 2 -R111-

7 - Left A-pillar wire

8 - Connector Left Front Treble Speaker -R20-

9 - Left door coupling

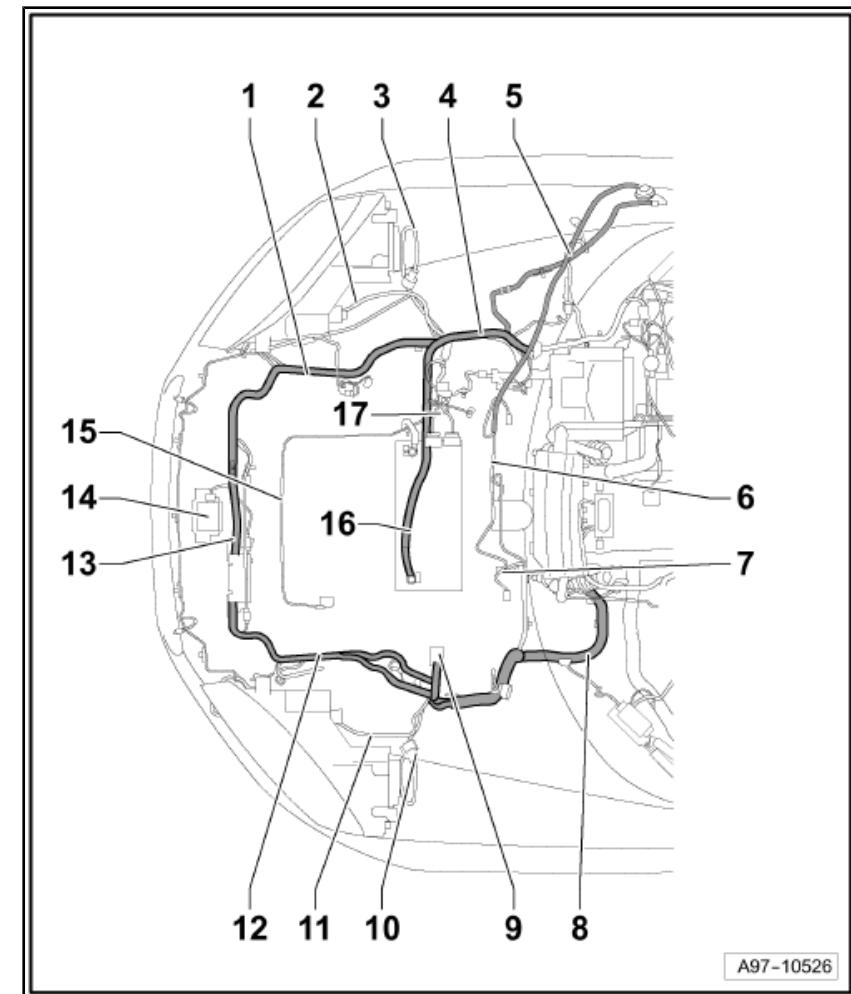


1.5 Harness luggage compartment routing

- 1 - Wire on right front long member
- 2 - Right headlamp connector
- 3 - Fan connector
- 4 - Wire from battery + to main distribution (in front right footwell)
- 5 - Wire to front hood
- 6 - Heated windshield washer nozzle wire
- 7 - Windshield wiper connector
- 8 - Wiring from interior to left front long member
- 9 - Conector ABS Control Module -J104-
- 10 - Fan connector
- 11 - Left headlamp connector
- 12 - Wire on left front long member
- 13 - Wire on front cross member
- 14 - Garage Door Opener Control Module -J530-
- 15 - Wire to condenser refrigerant circuit left
- 16 - Battery positive connector
- 17 - A/C wiring connector

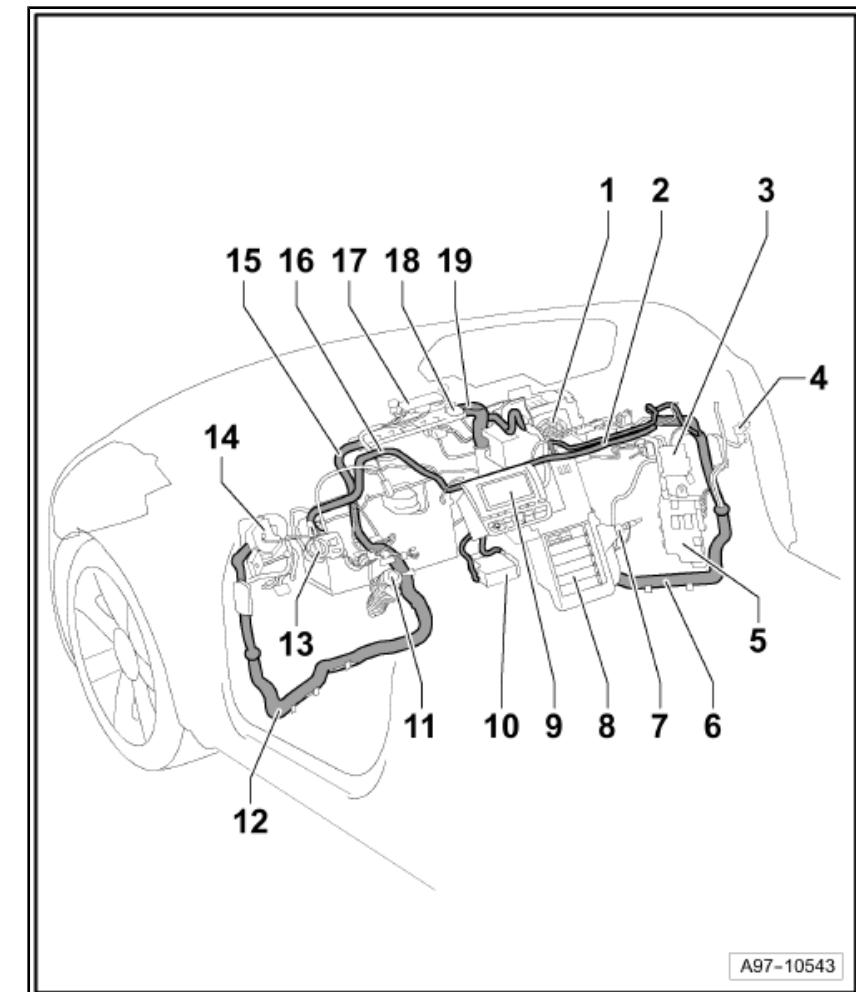


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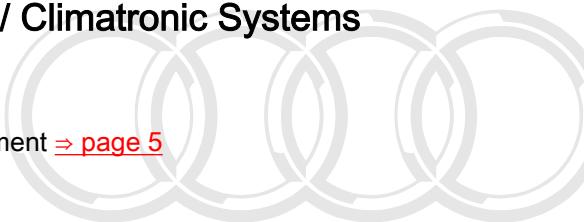
1.6 Harness instrument panel routing

- 1 - Center Speaker -R148-
- 2 - Wiring harness behind glove compartment
- 3 - Main Distribution (in front right footwell)
- 4 - Right door coupling
- 5 - Main Fuse Panel (in front right footwell)
- 6 - Wiring harness in right footwell
- 7 - Grommet, transition luggage compartment
- 8 - Relay and fuse carrier (in front right footwell)
- 9 - Radio -R- / Navigation System Control Module with CD Drive -J401-
- 10 - Airbag Control Module -J234-
- 11 - Grommet, transition luggage compartment
- 12 - Wiring harness in left footwell
- 13 - Light Switch -E1-
- 14 - Data Bus On Board Diagnostic Interface -J533-
- 15 - Wiring harness along left module carrier
- 16 - Wiring harness to center console
- 17 - Center Midrange Speaker -R158-
- 18 - Navigation System Antenna -R50-
- 19 - Wiring harness along right center module carrier



1 Component Locations: Climate / Climatronic Systems

- ◆ Outside Passenger Compartment Overview [⇒ page 2](#)
- ◆ A/C System Components Inside Passenger Compartment [⇒ page 5](#)
- ◆ A/C Distribution Components [⇒ page 7](#)


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1.1 Outside Passenger Compartment Overview

Component Group 1

1 - Coolant Fan 2 -V177-

2 - Cowl Panel Trim Seal

3 - Cowl Panel Trim

4 - Water Drain

5 - Air Intake Unit

- The following components are installed or removed in the air intake unit:

◆ Recirculation Flap Motor -V113- with Recirculation Flap Motor Position Sensor -G143-
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◆ Fresh Air Intake Duct Temperature Sensor -G89-

◆ Air Flow Flap Motor -V71- with Back Pressure Flap Motor Position Sensor -G113-

◆ Fresh air blower -V2-

◆ Fresh Air Blower Control Module -J126-

6 - Coolant Pump -V50-

- Location : under center tunnel cover [page 3](#)

7 - Heat Regulating Valve Unit

- With the Left Heat Regulating Valve -N175- and Right Heat Regulating Valve -N176-

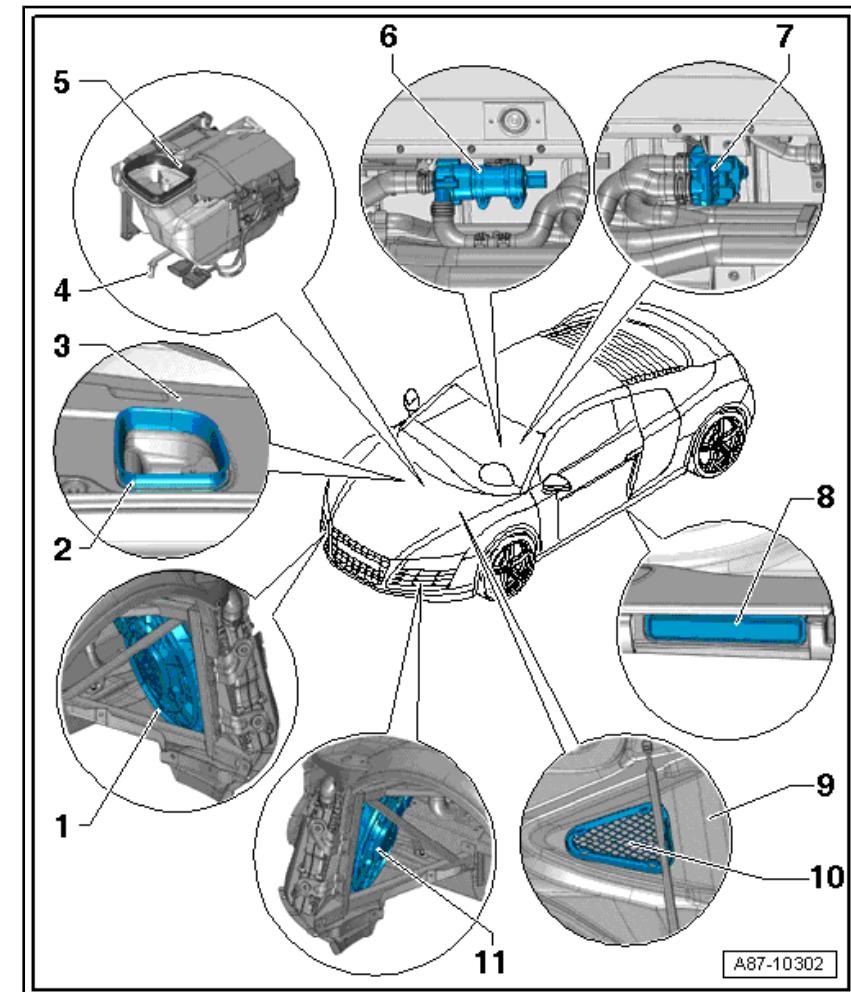
8 - Forced Air Extractor

- Installed on the left and right B-pillars under the sill panel trim panel

9 - Front Lid

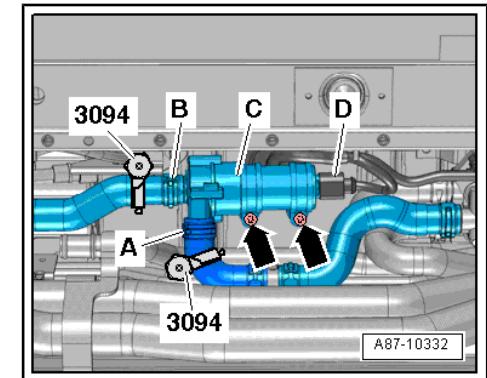
10 - Fresh Air Intake Grille

11 - Coolant Fan -V7-



Coolant Pump

C - Coolant Pump -V50-

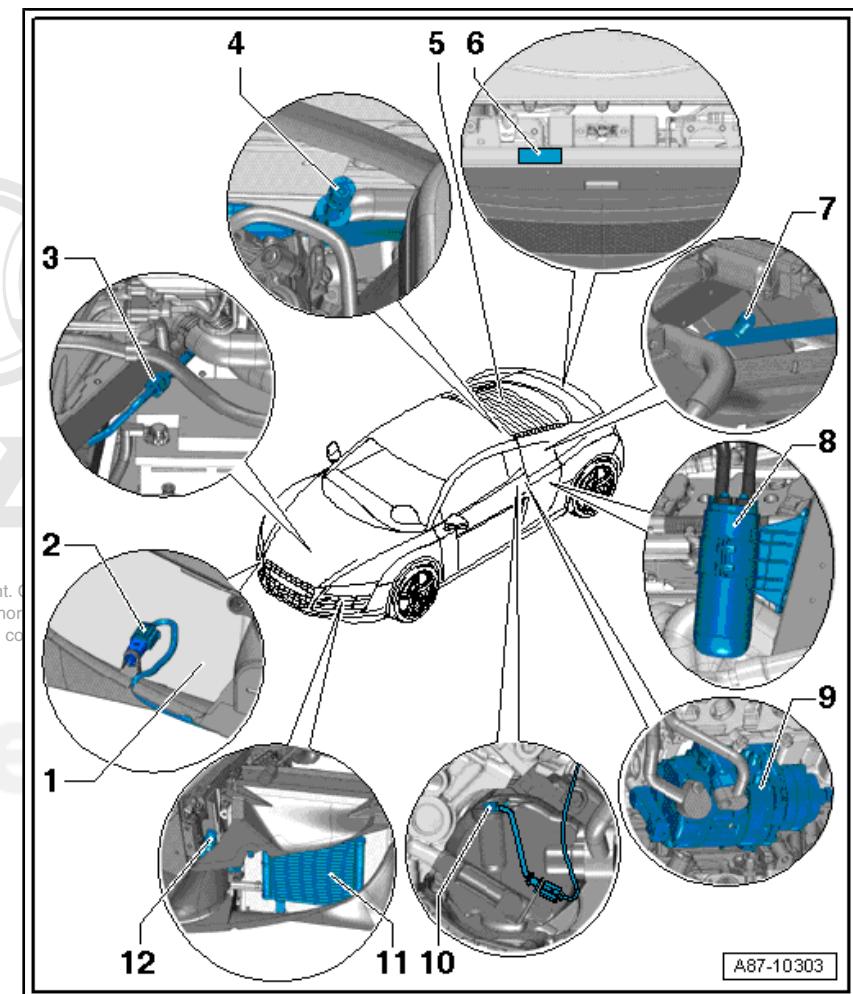


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Component Group 2

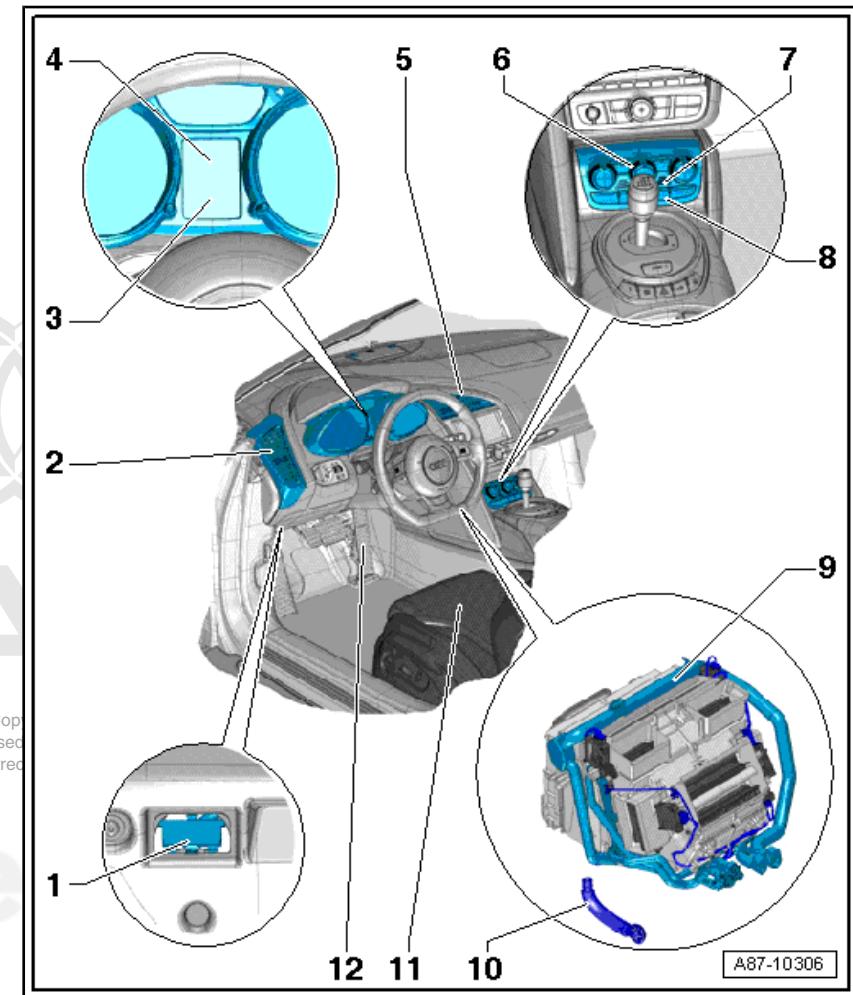
- 1 - Condenser 2
 - Right side of vehicle
- 2 - Outside Air Temperature Sensor -G17-
- 3 - Union In Refrigerant Pipe (With Restrictor)
- 4 - High Pressure Side Service Connection
- 5 - Heated Rear Window -Z1-
- 6 - Label
- 7 - Low Pressure Side Service Connection
- 8 - Reservoir
- 9 - A/C Compressor
- 10 - A/C Compressor Regulator Valve -N280-
 - Installed inside the a/c compressor
- 11 - Condenser 1
 - Left side of vehicle
- 12 - A/C Pressure/Temperature Sensor -G395-



1.2 A/C System Components Inside Passenger Compartment

Group 1

- 1 - 16-Pin Connector -T16- Diagnostic Connection
- 2 - Instrument Panel Vent, Left
- 3 - Instrument Cluster Control Module -J285-
 - With Outside Air Temperature Display -G106-
- 4 - Outside Air Temperature Display -G106-
- 5 - Left Center Air Outlet Sensor -G347- with Center Instrument Panel Vent Illumination -L68-
- 6 - Climatronic Control Module -J255-
- 7 - Interior Temperature Sensor Fan -V42-
 - Installed in the Climatronic Control Module -J255- control head
- 8 - Instrument Panel Interior Temperature Sensor -G56-
 - Integrated in the Climatronic Control Module -J255- control head cannot be replaced separately
- 9 - A/C Unit (View From Left)
- 10 - Left Condensation Water Drain Hose
- 11 - Left Front Seat Temperature Sensor -G344- and Left Front Heated Seat -Z45-



Group 1

1 - Right Front Seat Temperature Sensor -G345- and Right Front Heated Seat -Z46-

2 - Sunlight Photo Sensor -G107-

3 - Center Speaker Trim

4 - Central Locking -SAFE- Indicator Lamp -K133-

5 - Windshield Defroster Outlet

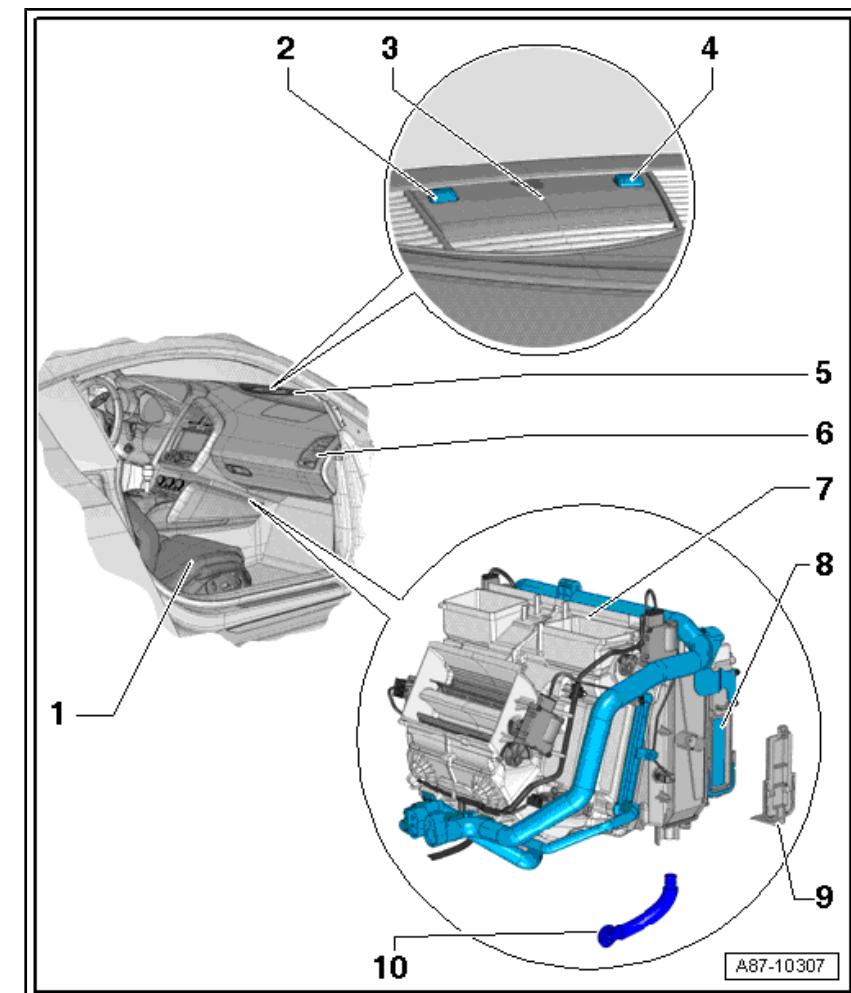
6 - Instrument Panel Vent, Right

7 - A/C Unit (View From Right)

8 - Dust And Pollen Filter

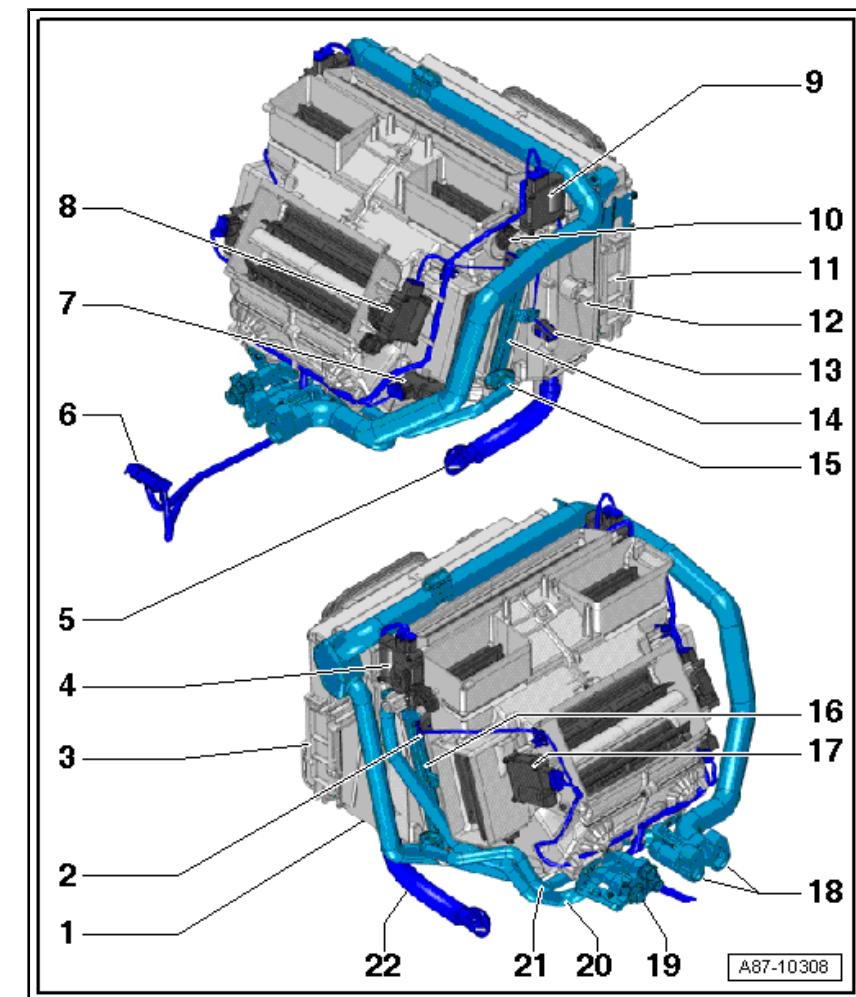
9 - Dust And Pollen Filter Shaft Cover for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability

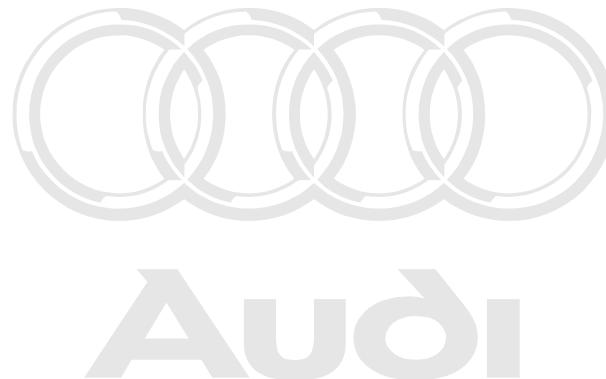
10 - Right Condensation Water Drain Hose



1.3 A/C Distribution Components

- 1 - Air Conditioner Unit
 - 2 - Left Vent Temperature Sensor -G150-
 - 3 - Left cap
 - 4 - Side Vent Motor -V262-
 - With the Side Window Outlet Motor Position Sensor -G548-
 - 5 - Right Condensation Water Drain Connection
 - 6 - Electrical Connector
 - To the Climatronic Control Module -J255-
 - 7 - Footwell Door Motor -V261-
 - With the Footwell Door Motor Position Sensor -G468-
 - 8 - Front Cold Air Door Motor -V197-
 - With the Front Cold Air Flap Motor Position Sensor -G315-
 - 9 - Defroster Door Motor -V107-
 - With the Defroster Door Motor Position Sensor -G135-
 - 10 - Right Vent Temperature Sensor -G151-
 - 11 - Right Cap
 - 12 - Evaporator
 - 13 - Evaporator Vent Temperature Sensor -G263-
 - 14 - Heater Unit Heat Exchanger
 - 15 - Coolant Pipe
 - 16 - Heater Unit Heat Exchanger
 - 17 - Center Vent Adjustment Motor -V102-
 - With the Center Vent Motor Position Sensor -G138-
 - 18 - Refrigerant Lines To The Evaporator
 - 19 - Central Connection
 - 20 - Coolant Pipe
 - 21 - Coolant Pipe
 - 22 - Left Condensation Water Drain Connection
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1 Component Locations: Anti-Lock Brake Systems

1.1 ABS/ESP, Bosch 8.0, Component Overview and Locations

1 - ASR/ESP Control Lamp -K155-

- Component location: in the tachometer

2 - Brake Pad Wear Indicator Lamp -K32-

- Located in the driver information system, center display field

3 - Brake System Warning Lamp -K118-

- Located in the speedometer

4 - ABS Warning Lamp -K47-

- Located in the speedometer

5 - Steering Angle Sensor -G85-

- Component location: The steering angle sensor is installed between the steering wheel and steering column switch [⇒ page 7](#)

6 - ASR/ESP Button -E256-

- Component location: in center console

7 - Parking Brake Lever With Contact Switch

- Component location: in center console

8 - Brake Pedal

- With a mount for the brake pedal switch

9 - Brake Pedal Switch -F47- / Brake Light Switch -F-

- Component location: on the brake pedal [⇒ page 6](#)

10 - ESP Sensor Unit -G419-

- Component location: The ESP sensor unit is installed under the rear bulkhead trim behind the seats [⇒ page 3](#)
- Combined Transverse Acceleration Sensor -G200-, Rotation Rate Sensor -G202- and Longitudinal Acceleration Sensor -G251- .

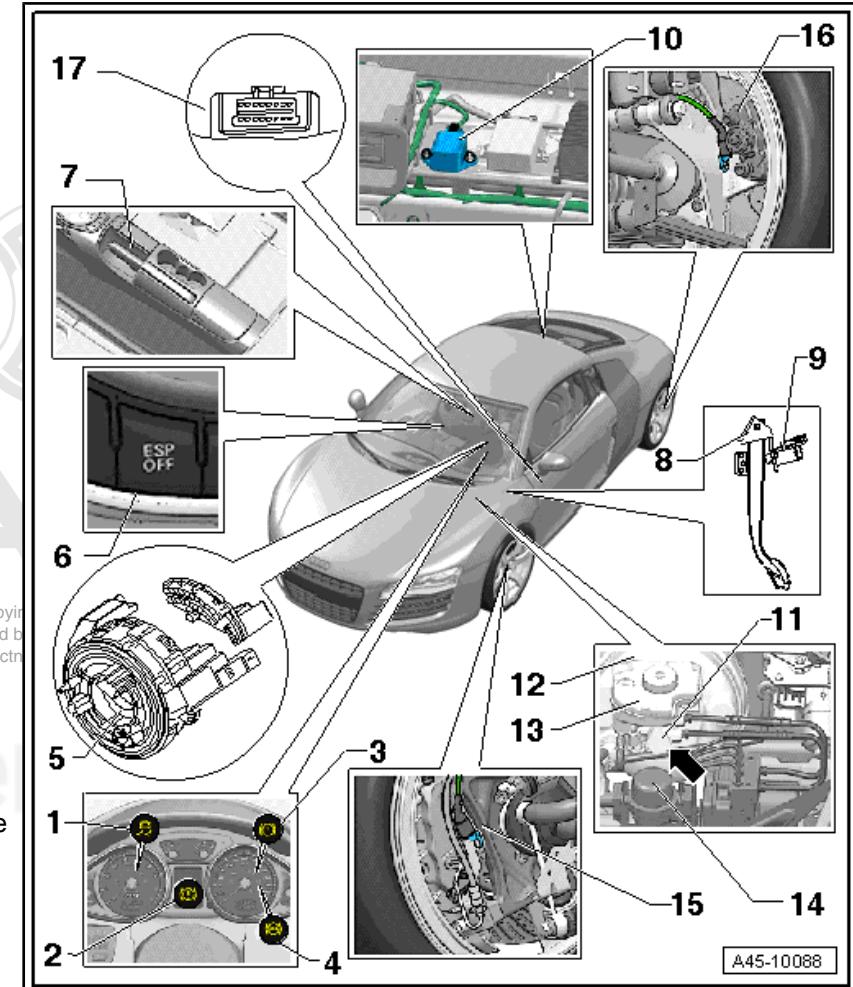
11 - Master Brake Cylinder

12 - Brake Booster

13 - Brake Fluid Reservoir

- With the Brake Fluid Level Warning Switch -F34-

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14 - Brake System Vacuum Pump -V192-

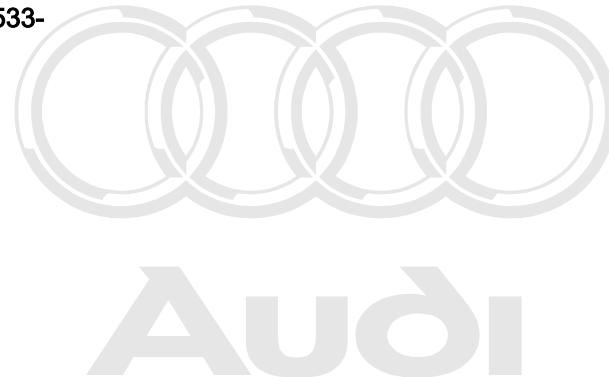
- Location view [⇒ Item 11 \(page 8\)](#)

15 - Right Front ABS Wheel Speed Sensor -G45- and Left Front ABS Wheel Speed Sensor -G47-

- The sensor ring/rotor is installed in the respective wheel bearing unit and cannot be replaced. [⇒ page 5](#)

16 - Right Rear ABS Wheel Speed Sensor -G44- and Left Rear ABS Wheel Speed Sensor -G46-

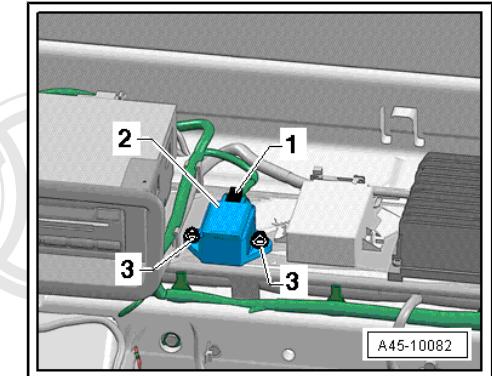
- The sensor ring/rotor is installed in the respective wheel bearing unit and cannot be replaced. [⇒ page 4](#)

17 - Data Bus On Board Diagnostic Interface -J533-

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Electronic Stabilization Program Sensor Unit



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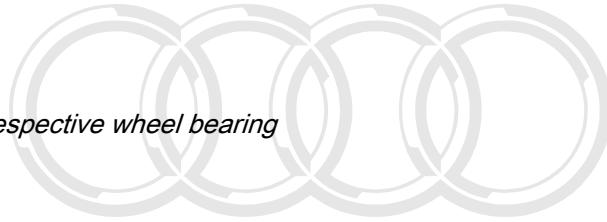
ESP Sensor Unit -G419- , The ESP sensor unit is installed under the rear bulkhead trim behind the seats

Rear ABS Wheel Speed Sensors

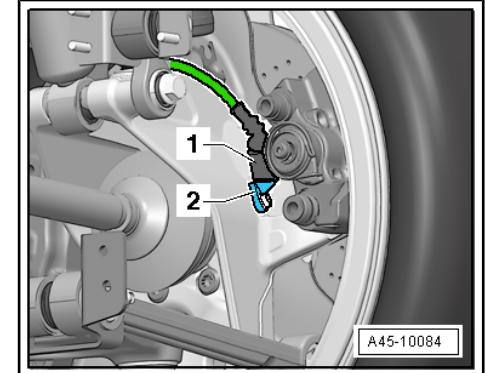
Right Rear ABS Wheel Speed Sensor -G44- and Left Rear ABS Wheel Speed Sensor -G46-



The sensor ring/rotor is installed in the respective wheel bearing unit and cannot be replaced



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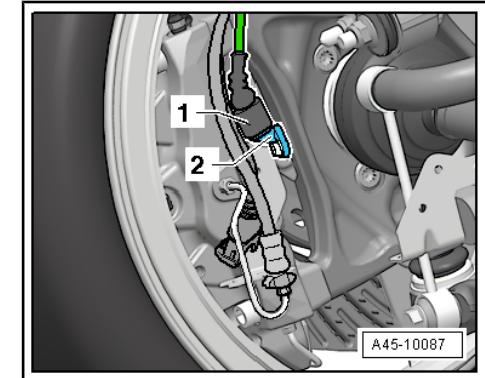


Front ABS Wheel Speed Sensors

Right Front ABS Wheel Speed Sensor -G45- and Left Front ABS Wheel Speed Sensor -G47-



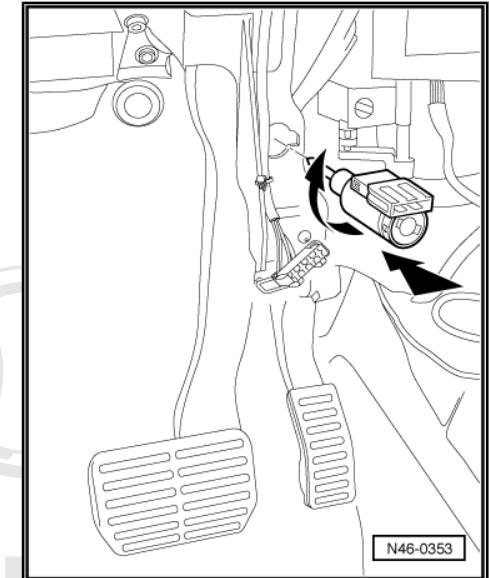
The sensor ring/rotor is installed in the respective wheel bearing unit and cannot be replaced



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Brake Pedal Switch



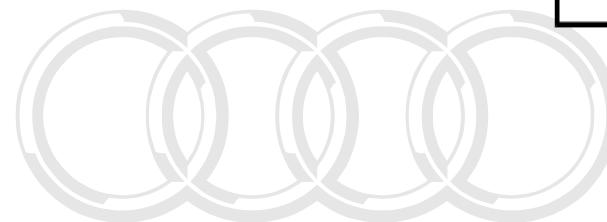
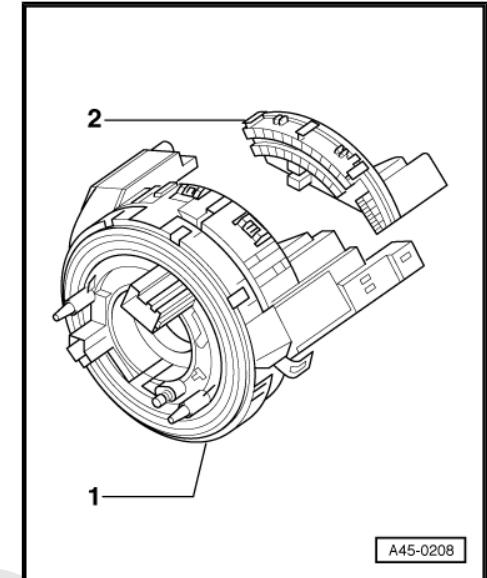
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Brake Pedal Switch -F47- / Brake Light Switch -F-

Steering Angle Sensor

-2- Steering Angle Sensor -G85- , Airbag Spiral Spring/Return Spring With Slip Ring -F138- connected to Multi-function Steering Wheel Control Module -J453-



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1.2 ABS Hydraulic Unit and Control Module Assembly Overview

1 - Master brake cylinder

2 - Brake booster

6 - ABS Hydraulic Unit -N55- with ABS Control Module -J104-

- Component location: in the front left of the luggage compartment
- The following items are integrated :

◆ Brake Pressure Sensor 1 -G201-

◆ Right Front ABS Inlet Valve -N99-

◆ Right Front ABS Outlet Valve -N100-

◆ Left Front ABS Inlet Valve -N101-

◆ Left Front ABS Outlet Valve -N102-

◆ Right Rear ABS Inlet Valve -N133-

◆ Left Rear ABS Inlet Valve -N134-

◆ Right Rear ABS Outlet Valve -N135-

◆ Left Rear ABS Outlet Valve -N136-

◆ Driving Dynamics Regulation Switch Valve 1 -N225-

◆ Driving Dynamics Regulation Switch Valve 2 -N226-

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◆ Driving Dynamics Regulation High Pressure Switch Valve 1 -N227-

◆ Driving Dynamics Regulation High Pressure Switch Valve 2 -N228-

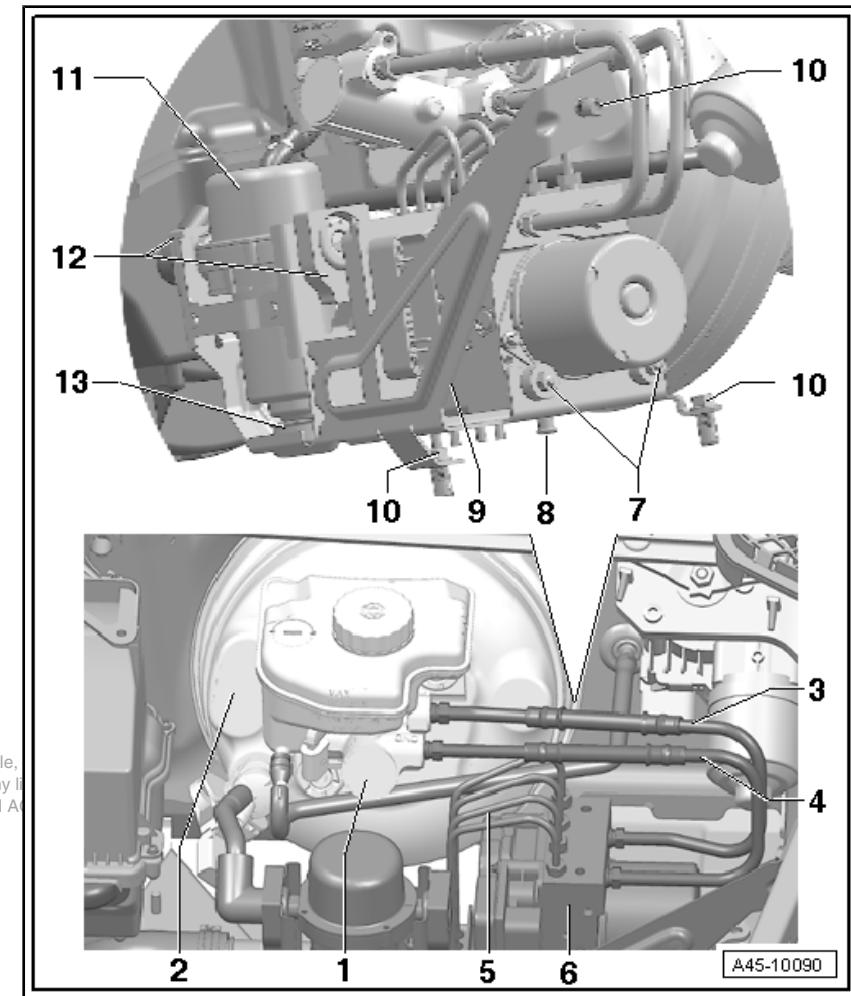
◆ ABS Hydraulic Pump -V64-

11 - Brake System Vacuum Pump -V192-



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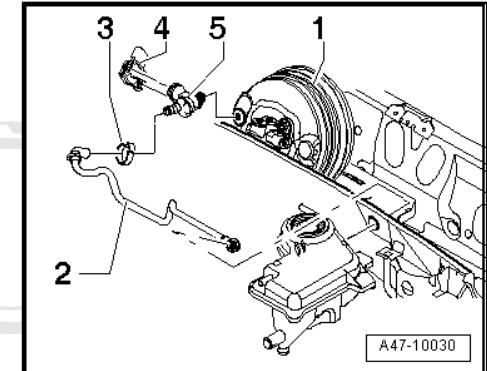


Brake Booster Pressure Sensor

- 1 - Brake booster
- 2 - Vacuum line
- 3 - Hose clamp
- 4 - Brake Booster Pressure Sensor -G294-
- 5 - Check valve



The pressure sensor is installed on the vacuum line to the brake booster and brake system vacuum pump.



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1 Component Locations: Airbag Systems

- ◆ Airbag Systems Component Location Overview [⇒ page 2](#)
- ◆ Airbag Crash Sensors Overview [⇒ page 4](#)
- ◆ Passenger Occupant Detection System Assembly Overview [⇒ page 7](#)
- ◆ Seat Belt and Igniter Assembly Overview [⇒ page 8](#)



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1.1 Airbag Systems Component Location Overview

1 - Battery Interrupt Igniter -N253-

- Location: in the main fuse box in the passenger footwell on the A-pillar under the floor covering
[⇒ page 3](#)

2 - Front Passenger Airbag -Off- Key Switch -E224-

- Not for North American market

3 - Passenger Side Knee Airbag

- With the Front Passenger Knee Airbag Igniter -N296-

4 - Front Passenger Airbag Unit

- With the Front Passenger Airbag Igniter 1 -N131- and Front Passenger Airbag Igniter 2 -N132-
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5 - Front Passenger Airbag Disabled Indicator Lamp -K145-

6 - Side Airbag, Front Passenger Side

- With the Front Passenger Side Airbag Igniter -N200-

7 - Side Airbag, Driver Side

- With the Driver Side Airbag Igniter -N199-

8 - Driver Airbag Unit

- With the Driver Airbag Igniter -N95- and Driver Airbag Igniter 2 -N250-

9 - Airbag Spiral Spring/Return Spring With Slip Ring -F138-

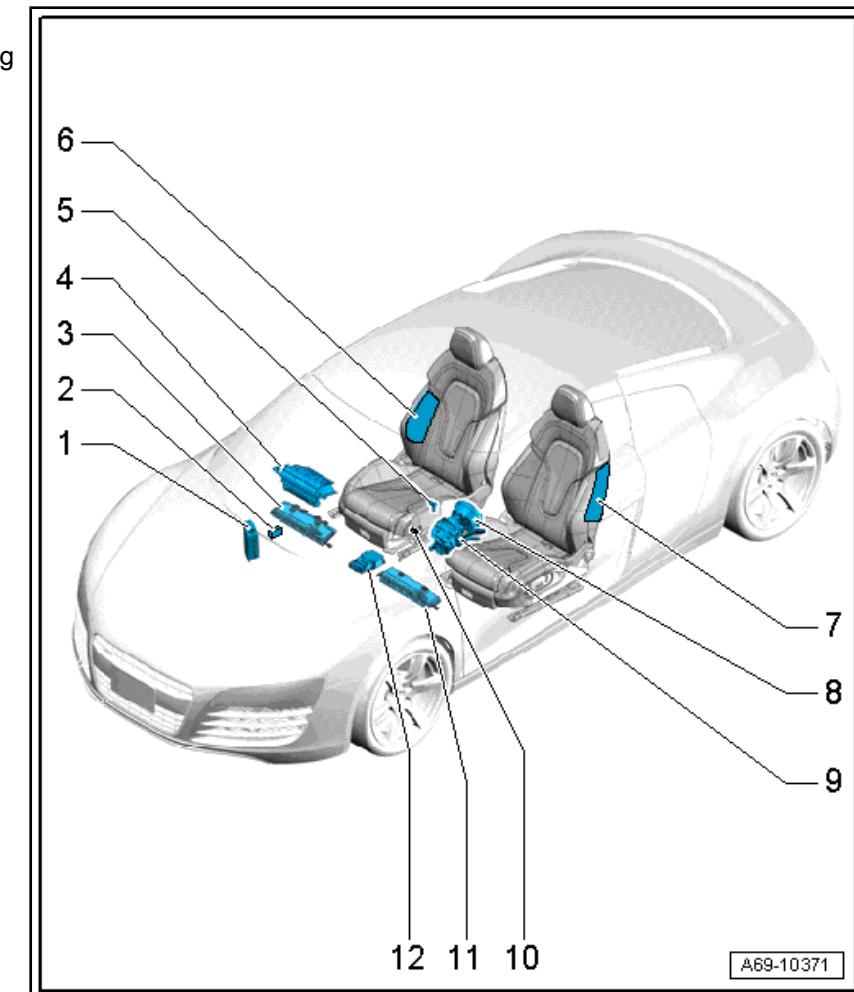
10 - Airbag Malfunction Indicator Lamp (MIL) -K75-

- Location: in instrument panel

11 - Driver Side Knee Airbag

- With the Driver Knee Airbag Igniter -N295-

12 - Airbag Control Module -J234-



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Battery Interrupt Igniter Assembly Overview

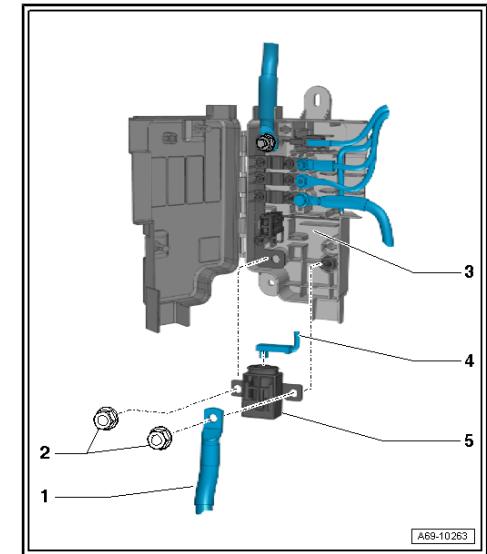
-3- Main Fuse Box

-5- Battery Interrupt Igniter -N253-

Location: in the passenger footwell on the A-pillar under the floor covering



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1.2 Airbag Crash Sensors Overview

1 - Driver Front Airbag Crash Sensor -G283-

- Location: On the upper impact member [⇒ page 5](#)

2 - Front Passenger Front Airbag Crash Sensor -G284-

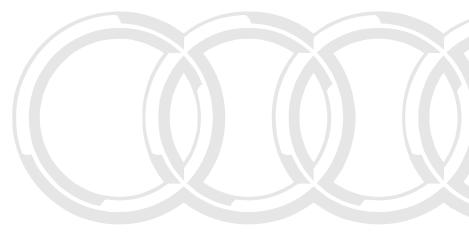
- Location: On the upper impact member [⇒ page 5](#)

3 - Front Passenger Side Airbag Crash Sensor -G180-

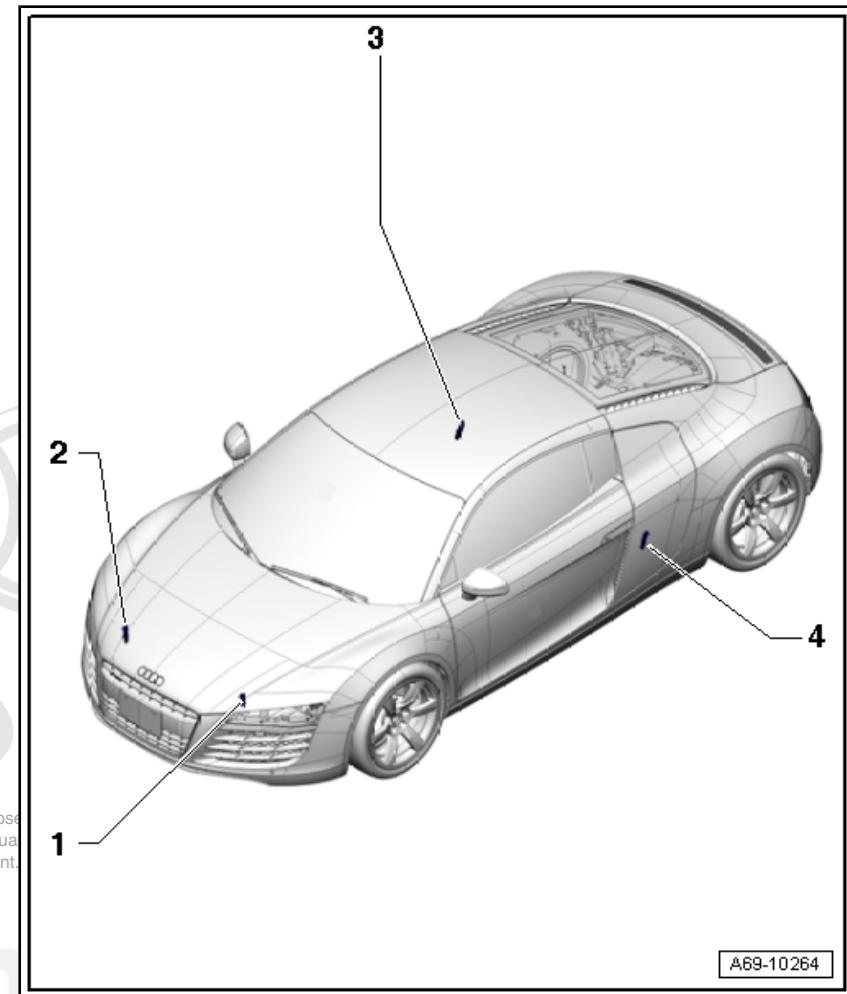
- Location: on the B-pillar under the side trim [⇒ page 6](#)

4 - Driver Side Airbag Crash Sensor -G179-

- Location: on the B-pillar under the side trim [⇒ page 6](#)



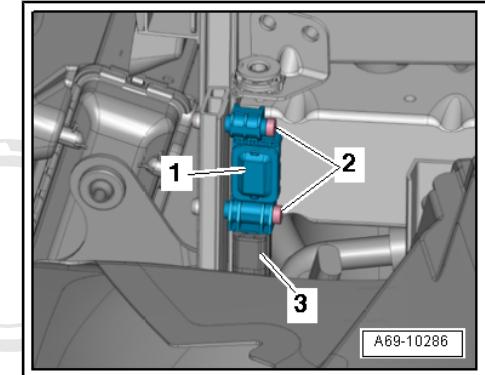
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Front Airbag Crash Sensor

-1- Driver Front Airbag Crash Sensor -G283- / Front Passenger Front Airbag Crash Sensor -G284-

Installed position is similar for both sensors

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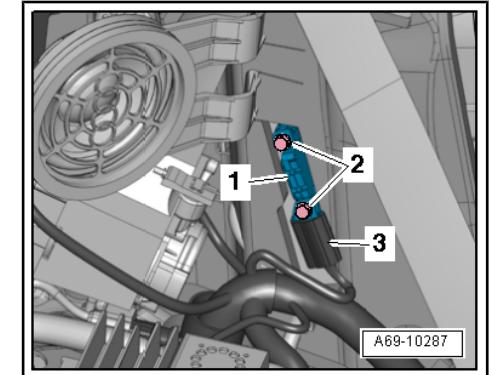
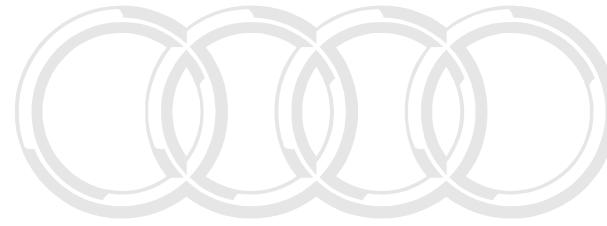
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Side Airbag Crash Sensor

-1- Front Passenger Side Airbag Crash Sensor -G180- / Driver Side Airbag Crash Sensor -G179-

Installed position is similar for both sensors



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1.3 Passenger Occupant Detection System Assembly Overview

This view is of the passenger seat bottom

1 - Seat Occupied Recognition Control Module -J706-

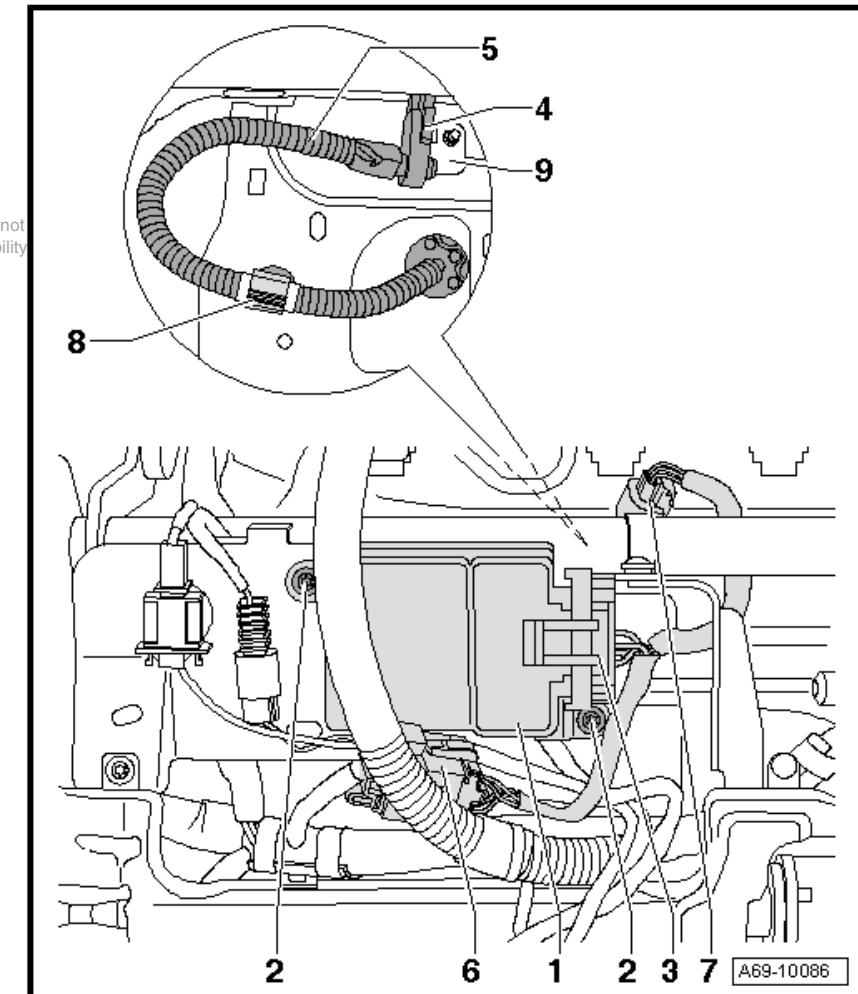
3 - Electrical Connection

On the Seat Occupied Recognition Control Module -J706-

4 - Seat Occupied Recognition Pressure Sensor -G452-

7 - Electrical Connection

On the Seat Occupied Recognition Pressure Sensor -G452
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1.4 Seat Belt and Igniter Assembly Overview

1 - Three-point Seat Belt

2 - Belt Guide Ring

3 - Belt Roller/Belt Tensioner

Driver Seat Belt Tensioner Igniter 1 -N153-

◆ Contains: Driver Side Microphone 1 -R224-, Driver Side Microphone 2 -R225-, and Driver Side Microphone 3 -R226-

Front Passenger Seat Belt Tensioner Igniter 1 -N154-

◆ Contains: Front Passenger Side Microphone 1 -R227-, Front Passenger Side Microphone 2 -R228-, and Front Passenger Side Microphone 3 -R229-

4 - Belt Anchor

5 - Seat Belt Latch Anchorage Point

Latch contains:

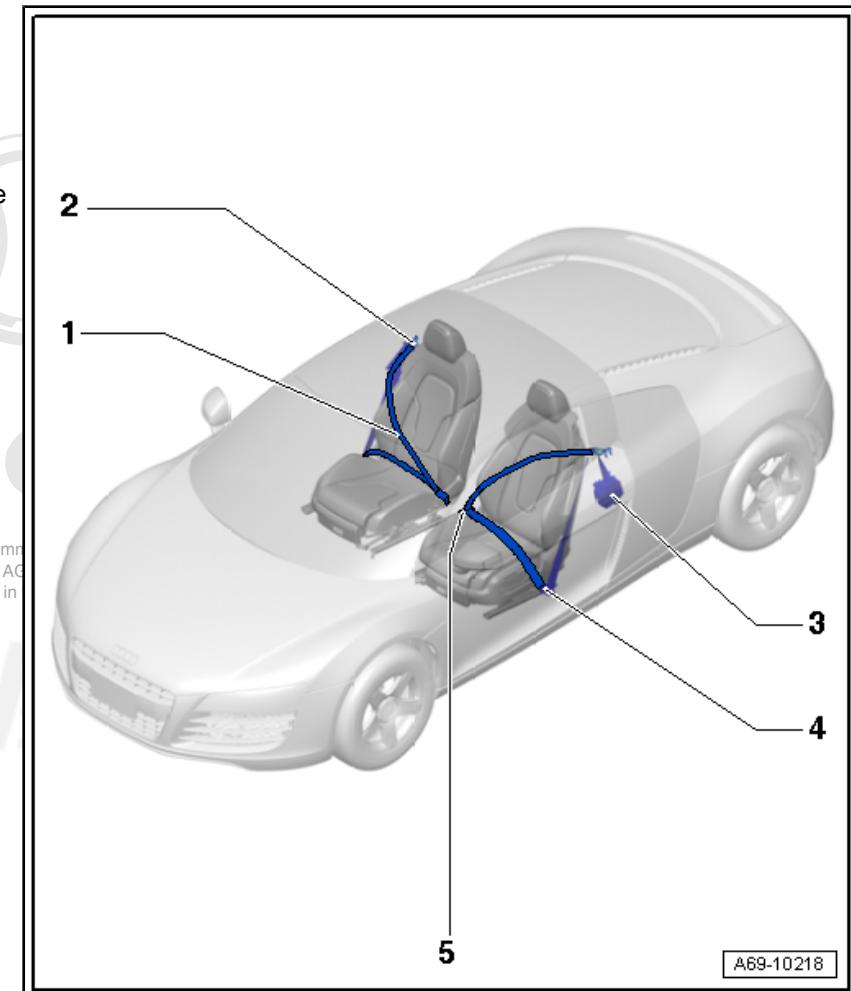
Driver Seat Belt Switch -E24-

Front Passenger Seat Belt Switch -E25-

Seat Occupied Recognition Seat Belt Force Sensor -G453-



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A69-10218

1 Component Locations: Camera System

1.1 Rearview Camera System Component Overview

1 - Rear View Camera -R189-

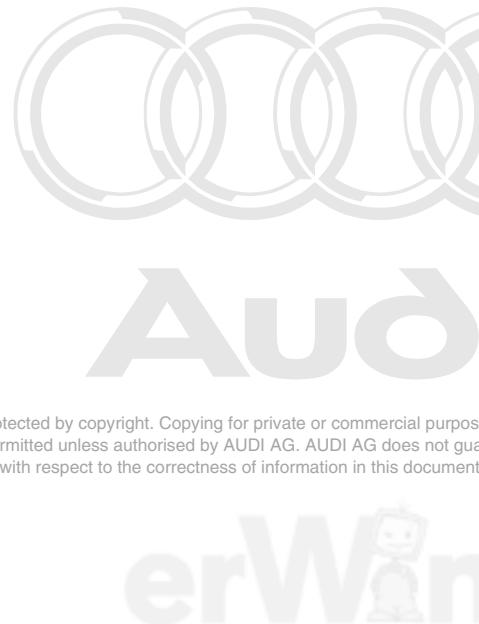
- In rear bumper between the license plate lights [⇒ page 2](#)

2 - Rear View Camera System Control Module -J772-

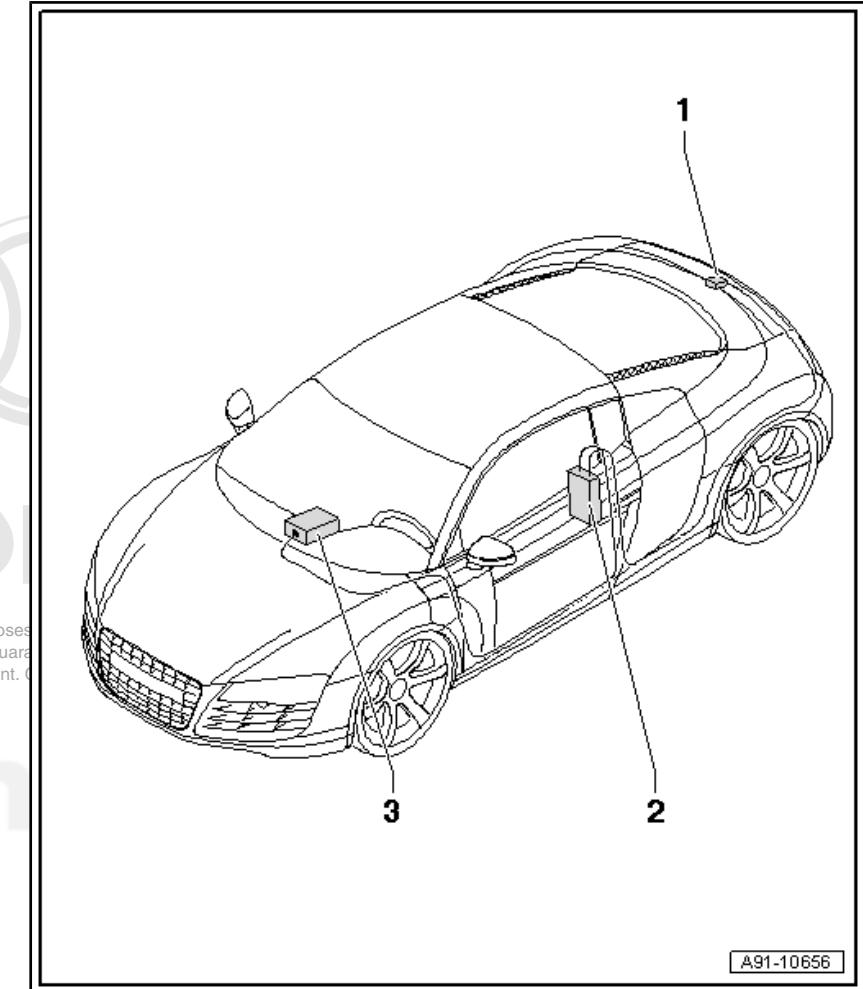
- Located under the left side of rear shelf [⇒ page 3](#)

3 - Navigation System with CD Drive Control Module -J401-

- In instrument panel

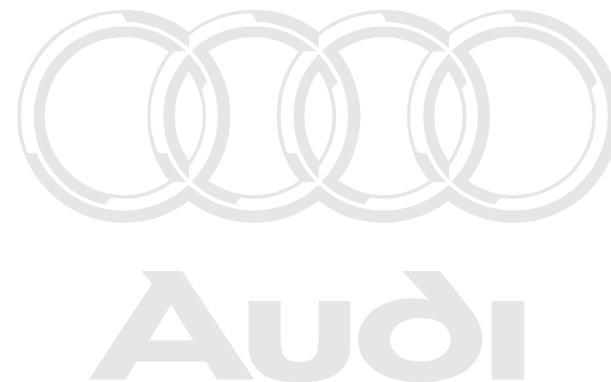
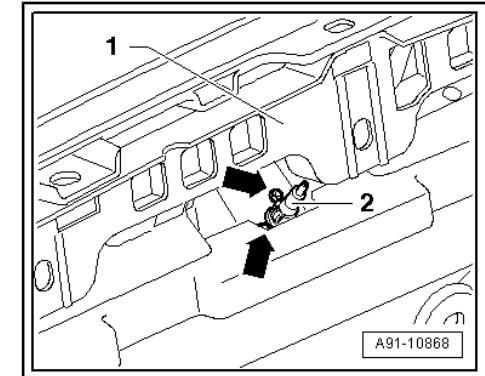


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Rearview Camera

-2- Rear View Camera -R189- in rear bumper -1-

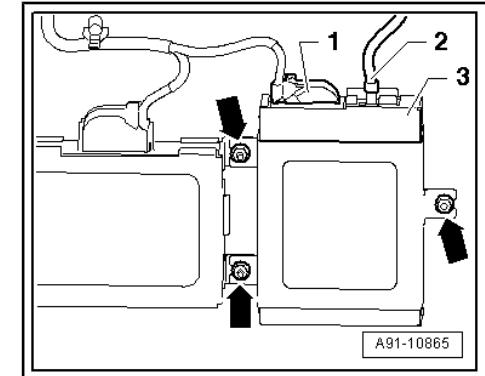


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Rearview Camera System Control Module

-3- Rear View Camera System Control Module -J772- is located under the left side of rear shelf



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1 Component Locations: Engine Management System

- ◆ 4.2L BYH and CNDA Component Locations [⇒ page 4](#)
- ◆ 5.2L BUJ and CMPA/CTPA/CTYA Component Locations [⇒ page 29](#)
- ◆ Oxygen Sensors [⇒ page 39](#)
- ◆ Cooling Fans and Pumps [⇒ page 44](#)
- ◆ Evap System Overviews [⇒ page 47](#)
- ◆ Fuel Pump and Sensors [⇒ page 48](#)
- ◆ Accelerator Pedal Module [⇒ page 51](#)

1.1 Engine Component Location Views

Select system above or component ID below to navigate to a location view

| | | | | |
|---|--|--|---|---|
| Oil Pressure Switch -F1- ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ page 36 | Mass Air Flow (MAF) Sensor -G70- ◆ 4.2L BYH and CNDA ⇒ page 14 ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Coupe ⇒ Item 14 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Spyder ⇒ Item 13 (page 30) | Mass Air Flow (MAF) Sensor 2 -G246- ◆ 4.2L BYH and CNDA ⇒ page 14 ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Coupe ⇒ Item 1 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Spyder ⇒ Item 14 (page 30) | Intake Manifold Runner Position Sensor 2 -G512- ◆ 4.2L BYH and CNDA ⇒ Item 13 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ Item 7 (page 31) | Secondary Air Injection Sensor 1 -G609- ◆ 4.2L BYH and CNDA ⇒ page 27 ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ Item 17 (page 31) |
| Engine Speed (RPM) Sensor -G28- ◆ 4.2L BYH and CNDA ⇒ page 12 ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Coupe ⇒ Item 3 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Spyder ⇒ Item 4 (page 30) | Intake Manifold Runner Position Sensor -G336- ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ Item 9 (page 31) | Intake Manifold Runner Control (IMRC) Valve -N316- ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ Item 18 (page 31) | Throttle Valve Control Module -J338- ◆ 4.2L BYH and CNDA ⇒ Item 15 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Coupe ⇒ Item 9 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/ CTYA - Spyder ⇒ Item 7 (page 30) | Secondary Air Injection Sensor 2 -G610- ◆ 5.2L BUJ and CMPA/CTPA/ CTYA ⇒ Item 20 (page 31) |



| | | | | |
|--|---|--|--|--|
| Oil Level Thermal Sensor -G266- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ page 25 ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ page 37 | Camshaft Position (CMP) Sensor -G40- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 4 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 10 (page 31) | Camshaft Position (CMP) Sensor 3 -G300- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 7 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 11 (page 31) | Throttle Valve Control Module 2 -J544- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 15 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 5 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 6 (page 30) | Secondary Air Injection (AIR) Solenoid Valve -N112- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 17 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 19 (page 31) |
| Engine Coolant Temperature (ECT) Sensor -G62- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 12 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 8 (page 31) | Camshaft Position (CMP) Sensor 2 -G163- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 7 (page 4) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 6 (page 31) | Camshaft Position (CMP) Sensor 4 -G301- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 2 (page 4) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 5 (page 31) | Intake Air Temperature (IAT) Sensor -G42- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ page 14 ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 14 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 13 (page 30) | Secondary Air Injection (AIR) Solenoid Valve 2 -N320- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ page 26 ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 19 (page 31) |
| Knock Sensor 1 -G61- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 13 (page 32) | Knock Sensor 3 -G198- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 11 (page 32) | Camshaft Adjustment Valve 1 -N205- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 13 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 16 (page 31) | Camshaft Adjustment Valve 1 (exhaust) -N318- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 8 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 15 (page 31) | Exhaust Flap Valve 1 -N321- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ page 28 ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 12 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 11 (page 30) |
| Knock Sensor 2 -G66- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 16 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 24 (page 33) | Knock Sensor 4 -G199- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 12 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 32 (page 33) | Camshaft Adjustment Valve 2 -N208- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 17 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 21 (page 31) | Camshaft Adjustment Valve 2 (exhaust) -N319- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 18 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 1 (page 31) | Secondary Air Injection (AIR) Pump Motor -V101- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 3 (page 4) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 13 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 12 (page 30) |

| | | | | |
|--|--|---|--|--|
| Low Fuel Pressure Sensor -G410- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 16 (page 5) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 30 (page 33) | Fuel Metering Valve -N290- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 5 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 12 (page 31) Fuel Metering Valve 2 -N402- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 6 (page 4) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 4 (page 31) | Fuel Pressure Sensor -G247- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 1 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 25 (page 33) Fuel Pressure Sensor 2 -G624- <ul style="list-style-type: none"> ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 31 (page 33) | Intake Air Temperature (IAT) Sensor 2 -G299- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ page 14 ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 1 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 14 (page 30) | Secondary Air Injection (AIR) Pump Motor 2 -V189- <ul style="list-style-type: none"> ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Coupe ⇒ Item 7 (page 29) ◆ 5.2L BUJ and CMPA/CTPA/CTYA - Spyder ⇒ Item 1 (page 30) |
| Fuel injectors, Cylinder bank 1 <ul style="list-style-type: none"> ◆ Cylinder 1 Fuel Injector -N30- ◆ Cylinder 2 Fuel Injector -N31- ◆ Cylinder 3 Fuel Injector -N32- ◆ Cylinder 4 Fuel Injector -N33- ◆ Cylinder 5 Fuel Injector -N83- (5.2L) ◆ 4.2L BYH and CNDA ⇒ page 21 ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 1 (page 32) | Fuel injectors, Cylinder bank 2 <ul style="list-style-type: none"> ◆ Cylinder 5 Fuel Injector -N83- ◆ Cylinder 6 Fuel Injector -N84- ◆ Cylinder 7 Fuel Injector -N85- ◆ Cylinder 8 Fuel Injector -N86- ◆ Cylinder 9 Fuel Injector -N299- (5.2L) ◆ Cylinder 10 Fuel Injector -N300- (5.2L) ◆ 4.2L BYH and CNDA ⇒ page 22 ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 1 (page 32) | Ignition Coils with Power Output Stage, Cylinder bank 1 <ul style="list-style-type: none"> ◆ Ignition Coil 1 -N70- ◆ Ignition Coil 2 -N127- ◆ Ignition Coil 3 -N291- ◆ Ignition Coil 4 -N292- ◆ Ignition Coil 5 -N323- (5.2L) ◆ 4.2L BYH and CNDA ⇒ Item 6 (page 6) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 1 (page 32) | Ignition Coils with Power Output Stage, Cylinder bank 2 <ul style="list-style-type: none"> ◆ Ignition Coil 5 -N323- ◆ Ignition Coil 6 -N324- ◆ Ignition Coil 7 -N325- ◆ Ignition Coil 8 -N326- ◆ Ignition Coil 9 -N327- (5.2L) ◆ Ignition Coil 10 -N328- (5.2L) ◆ 4.2L BYH and CNDA ⇒ Item 4 (page 4) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 1 (page 32) | Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- <ul style="list-style-type: none"> ◆ 4.2L BYH and CNDA ⇒ Item 10 (page 7) ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 14 (page 31) Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 -N333- <ul style="list-style-type: none"> ◆ 5.2L BUJ and CMPA/CTPA/CTYA ⇒ Item 2 (page 31) |

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1.2 4.2L BYH and CNDA Component Locations

Engine Compartment, Left

1 - Engine Control Module (ECM) -J623-

Component location view: [⇒ page 8](#)

2 - Camshaft Position (CMP) Sensor 4 -G301-

Component location view: [⇒ page 20](#)

3 - Secondary Air Injection (AIR) Pump Motor -V101-

Secondary Air Injection (AIR) Pump Relay -J299-

4 - Ignition Coils, Cylinder Bank 2

Ignition Coil 5 with Power Output Stage -N323-

Ignition Coil 6 with Power Output Stage -N324-

Ignition Coil 7 with Power Output Stage -N325-

Ignition Coil 8 with Power Output Stage -N326-

Component location view: [⇒ page 20](#)

5 - High Pressure Pump Cylinder Bank 2

Component location view: [⇒ page 20](#)

6 - Fuel Metering Valve 2 -N402-

Component location view: [⇒ page 20](#)

7 - Camshaft Position (CMP) Sensor 2 -G163-

Component location view: [⇒ page 20](#)

8 - Electrical Connectors on Knock Sensor 3 -G198- and Knock Sensor 4 -G199-

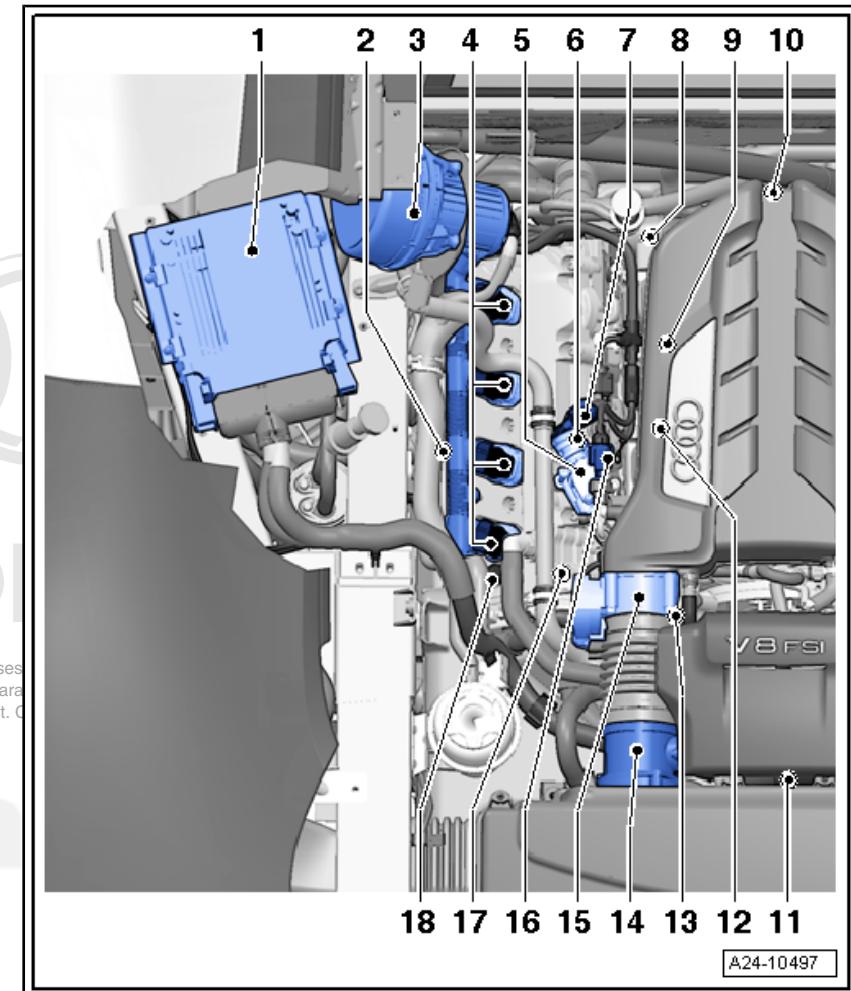
Component location view: [⇒ page 23](#)

9 - Knock Sensor (KS) 3 -G198-

Component location view: [⇒ page 23](#)



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Cont.

10 - Engine Viewed From Front

- Component location view: [page 23](#)
- Intake Manifold Runner Position Sensor -G336-
- Intake Manifold Runner Control (IMRC) Valve -N316-
- Oil Pressure Switch -F1-
- Knock Sensor 1 -G61-
- Knock Sensor 2 -G66-
- Knock Sensor 3 -G198-
- Knock Sensor 4 -G199-

11 - Oxygen Sensor Connectors

- Connector location view: [page 24](#)

12 - Knock Sensor 4 -G199-

- Component location view: [page 23](#)

13 - Intake Manifold Runner Position Sensor 2 -G512-

- Component location view: [page 13](#)

14 - Mass Air Flow (MAF) Sensor 2 -G246- / Intake Air Temperature (IAT) Sensor 2 -G299-

- Component location view: [page 14](#)

15 - Throttle Valve Control Module 2 -J544-

- Component location view: [page 13](#)

16 - Low Fuel Pressure Sensor -G410-

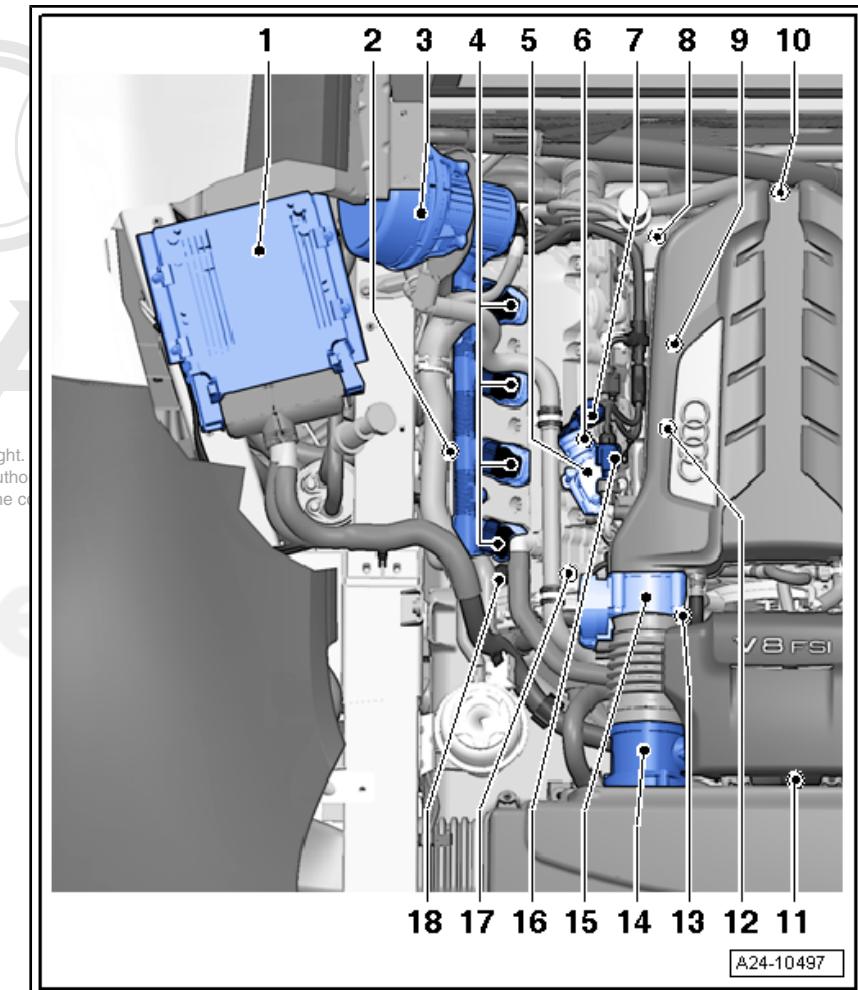
- Component location view: [page 20](#)

17 - Camshaft Adjustment Valve 2 -N208-

- Component location view: [page 20](#)

18 - Camshaft Adjustment Valve 2 (exhaust) -N319-

- Component location view: [page 20](#)



A24-10497

Engine Compartment, Right

1 - Fuel Pressure Sensor -G247-

Component location view: [⇒ page 19](#)

2 - Knock Sensor 1 -G61-

Component location view: [⇒ page 19](#)

3 - Electrical Connectors on Knock Sensor 1 -G61- and Knock Sensor 2 -G66-

Connector location view: [⇒ page 23](#)

4 - Camshaft Position (CMP) Sensor -G40-

Component location view: [⇒ page 19](#)

5 - Fuel Metering Valve -N290-

Component location view: [⇒ page 19](#)

6 - Ignition coils, Cylinder bank 1

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-

Component location view: [⇒ page 19](#)

7 - Camshaft Position (CMP) Sensor 3 -G300-

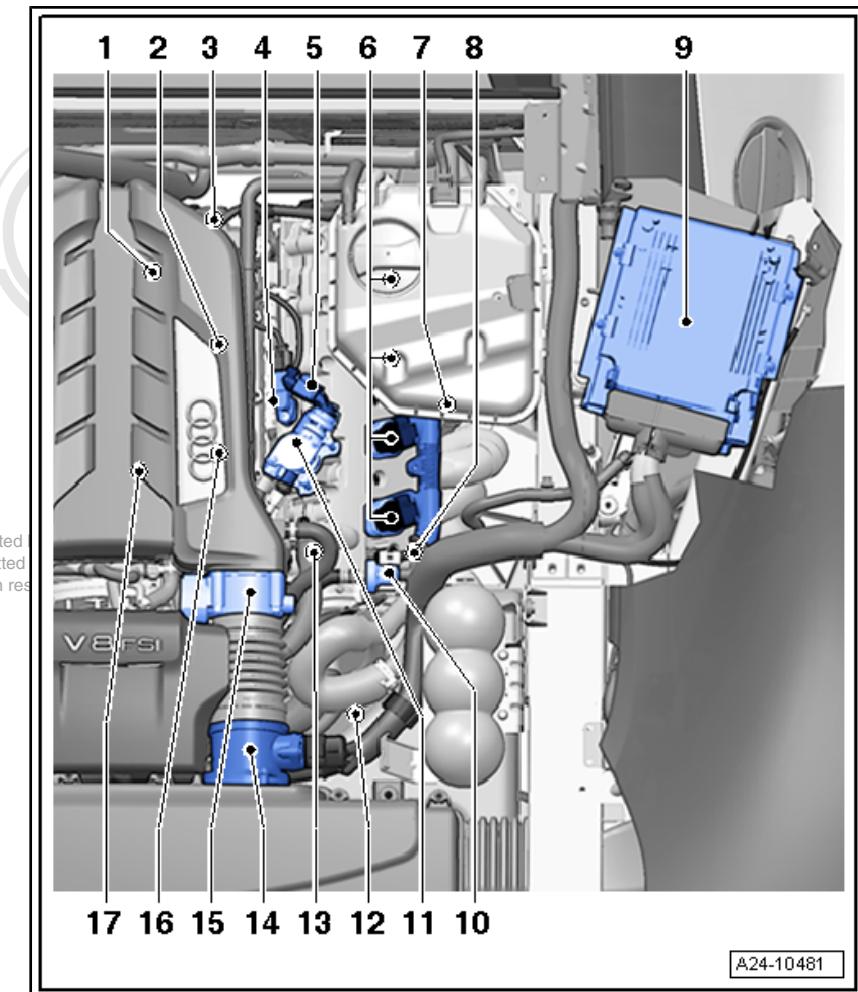
Component location view: [⇒ page 19](#)

8 - Camshaft Adjustment Valve 1 (exhaust) -N318-

Component location view: [⇒ page 19](#)

9 - Engine Control Module (ECM) 2 -J624-

Component location view: [⇒ page 9](#)



Cont.

10 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-

- Component location view: [⇒ page 18](#)

11 - High Pressure Pump Cylinder Bank 1

- With Fuel Metering Valve -N290-

- Component location view: [⇒ page 19](#)

12 - Engine Coolant Temperature (ECT) Sensor -G62-

- Component location view: [⇒ page 17](#)

13 - Camshaft Adjustment Valve 1 -N205-

- Component location view: [⇒ page 19](#)

14 - Mass Air Flow (MAF) Sensor -G70- / Intake Air Temperature (IAT) Sensor -G42-

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- Component location view: [⇒ page 14](#)

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15 - Throttle Valve Control Module -J338-

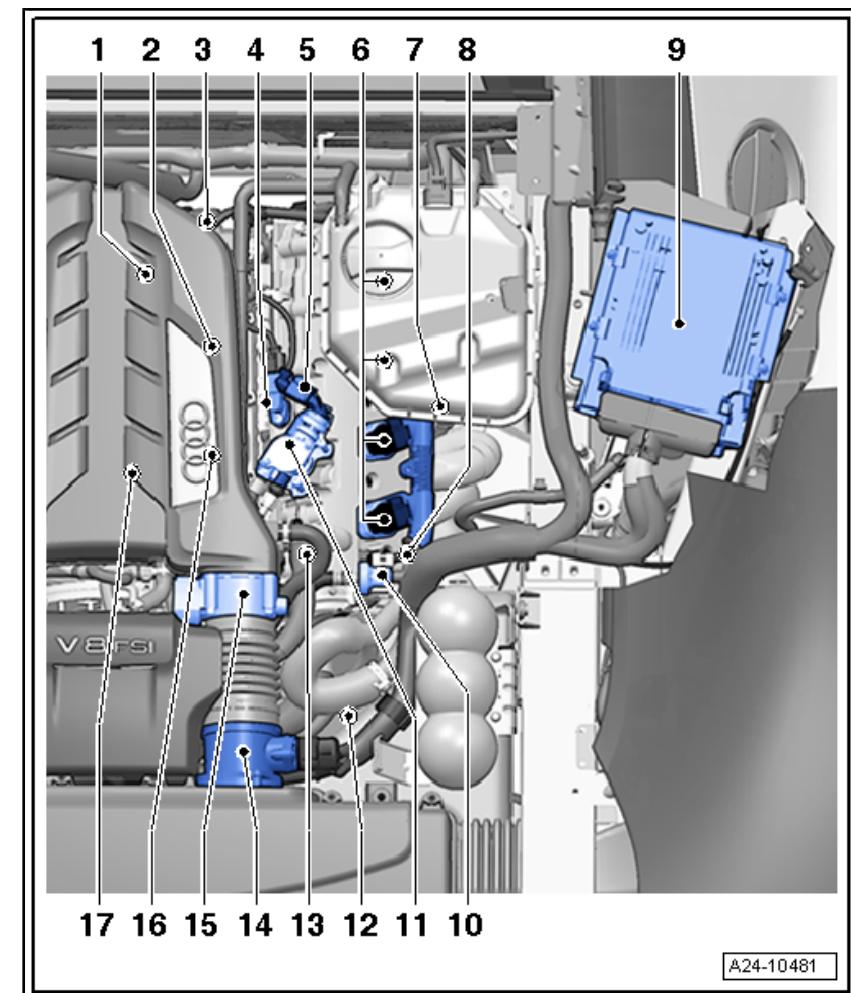
- Component location view: [⇒ page 14](#)

16 - Knock Sensor 2 -G66-

- Component location view: [⇒ page 23](#)

17 - Secondary Air Injection (AIR) Solenoid Valve -N112-

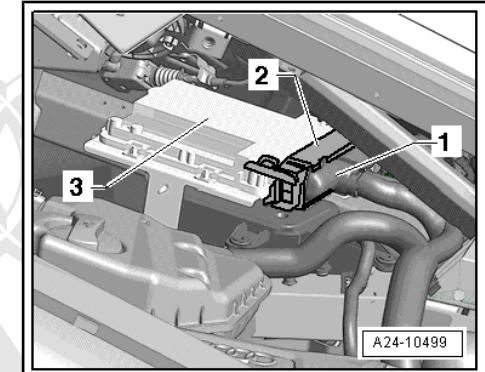
- Component location view: [⇒ page 22](#)



Location Engine Control Module (ECM) - Coupe

3 - Engine Control Module (ECM) -J623-

- ◆ Under right engine compartment trim



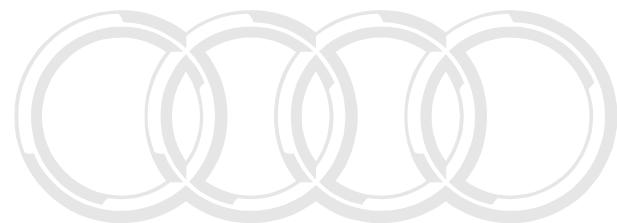
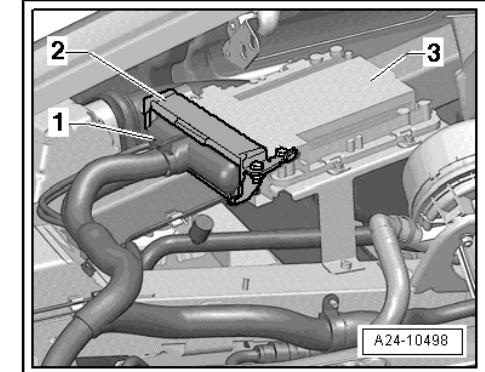
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Location Engine Control Module (ECM) 2 - Coupe

3 - Engine Control Module (ECM) 2 -J624-

- ◆ Under left engine compartment trim

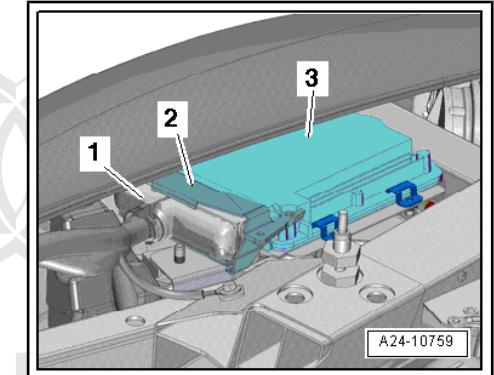
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Location Engine Control Module (ECM) - Spyder

3 - Engine Control Module (ECM) -J623-

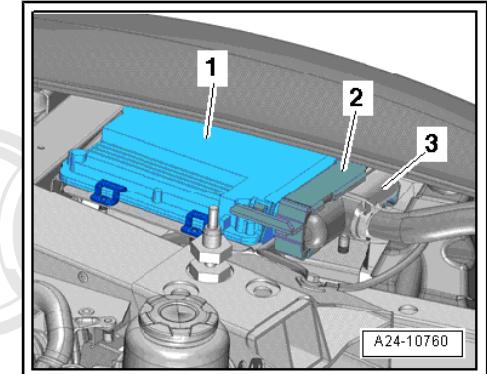


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Location Engine Control Module (ECM) 2 - Spyder

1 - Engine Control Module (ECM) 2 -J624-


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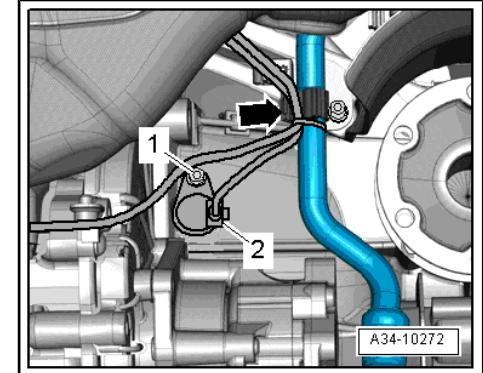
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Engine Speed (Rpm) Sensor

2 - Engine Speed (RPM) Sensor -G28-

- ◆ Location left side rear on trans near power steering pump

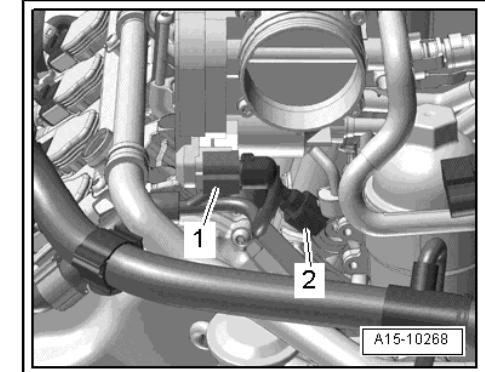


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Intake Manifold Runner Position Sensor 2

- 1 - Throttle Valve Control Module 2 -J544-
2 - Intake Manifold Runner Position Sensor 2 -G512-
◆ Installed on the rear of the intake manifold



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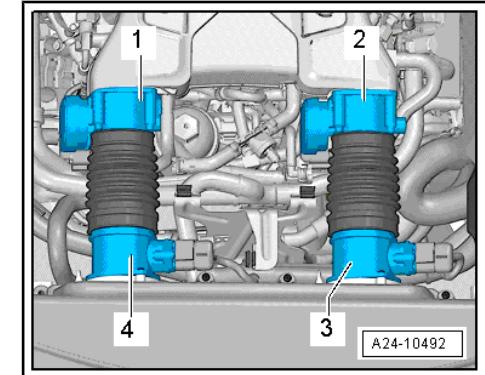


Throttle Valves And Mass Air Flow Sensor

- 1 - Throttle Valve Control Module 2 -J544-
- 2 - Throttle Valve Control Module -J338-
- 3 - Mass Air Flow (MAF) Sensor -G70- / Intake Air Temperature (IAT) Sensor -G42-
- 4 - Mass Air Flow (MAF) Sensor 2 -G246- / Intake Air Temperature (IAT) Sensor 2 -G299-

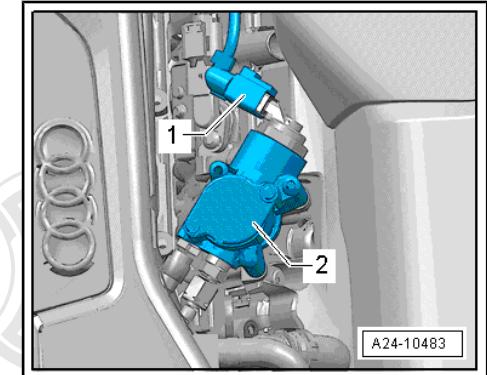


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High Pressure Pump, Cylinder Bank 1

- 1 - Fuel Metering Valve -N290-
2 - High Pressure Pump, Cylinder Bank 1


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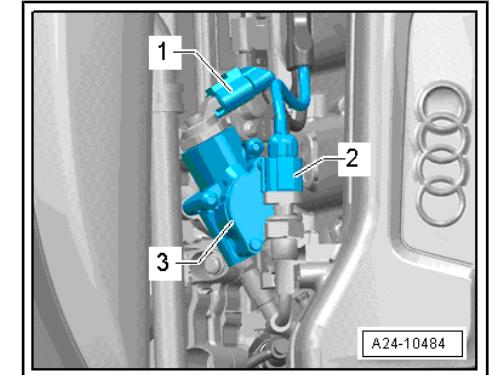
High Pressure Pump, Cylinder Bank 2

- 1 - Fuel Metering Valve 2 -N402-
- 2 - Low Fuel Pressure Sensor -G410-
- 3 - High Pressure Pump, Cylinder Bank 2



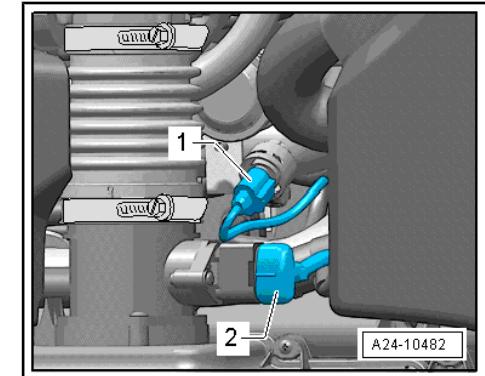
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Engine Coolant Temperature (ECT) Sensor

- 1 - Engine Coolant Temperature (ECT) Sensor -G62-
2 - Mass Air Flow (MAF) Sensor -G70- / Intake Air Temperature (IAT) Sensor -G42-

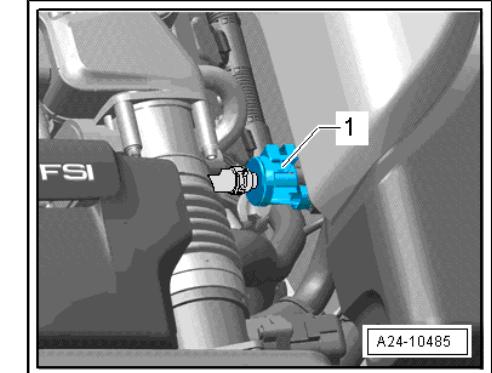


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Evaporative Emission (EVAP) Canister Purge Regulator Valve

1 - Evaporative Emission (EVAP) Canister Purge Regulator Valve
1 - N80-

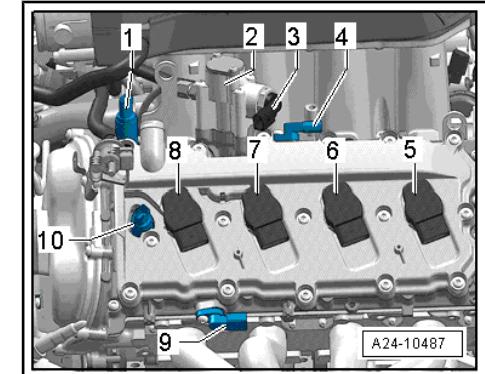


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Component Locations On Cylinder Bank 1

- 1 - Camshaft Adjustment Valve 1 -N205-
- 2 - High Pressure Pump Cylinder Bank 1
- 3 - Fuel Metering Valve -N290-
- 4 - Camshaft Position (CMP) Sensor -G40-
- 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 - Camshaft Position (CMP) Sensor 3 -G300-
- 10 - Camshaft Adjustment Valve 1 (exhaust) -N318-

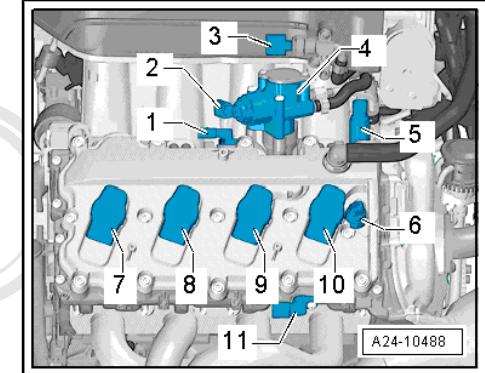


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Component Locations On Cylinder Bank 2

- 1 - Camshaft Position (CMP) Sensor 2 -G163-
- 2 - Fuel Metering Valve 2 -N402-
- 3 - Low Fuel Pressure Sensor -G410-
- 4 - High Pressure Pump Cylinder Bank 2
- 5 - Camshaft Adjustment Valve 2 -N208-
- 6 - Camshaft Adjustment Valve 2 (exhaust) -N319-
- 7 - Ignition Coil 5 with Power Output Stage -N323-
- 8 - Ignition Coil 6 with Power Output Stage -N324-
- 9 - Ignition Coil 7 with Power Output Stage -N325-
- 10 - Ignition Coil 8 with Power Output Stage -N326-
- 11 - Camshaft Position (CMP) Sensor 4 -G301-



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Component locations, inside of cylinder bank 1

- ◆ Under intake manifold

1 - Camshaft Position (CMP) Sensor -G40-

2 - Cylinder 1 Fuel Injector -N30-

3 - Cylinder 2 Fuel Injector -N31-

4 - Cylinder 3 Fuel Injector -N32-

5 - Cylinder 4 Fuel Injector -N33-

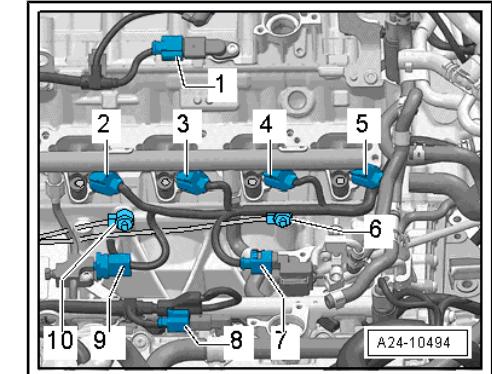
6 - Knock Sensor 2 -G66-

7 - Secondary Air Injection (AIR) Solenoid Valve -N112-

8 - Camshaft Position (CMP) Sensor 2 -G163-

9 - Fuel Pressure Sensor -G247-

10 - Knock Sensor 1 -G61-



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Component Locations, Inside Of Cylinder Bank 2

- ◆ Under intake manifold

1 - Camshaft Position (CMP) Sensor 2 -G163-

2 - Cylinder 8 Fuel Injector -N86-

3 - Cylinder 7 Fuel Injector -N85-

4 - Cylinder 6 Fuel Injector -N84-

5 - Cylinder 5 Fuel Injector -N83-

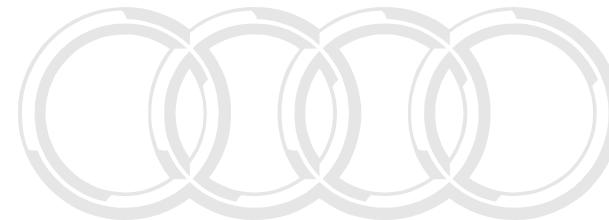
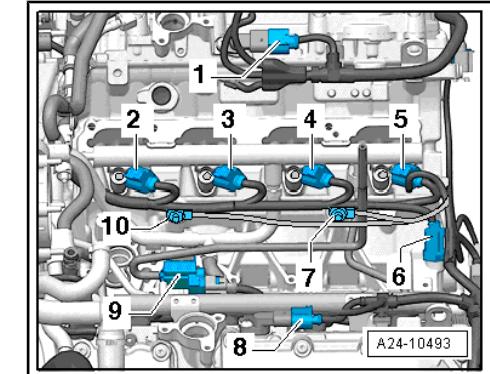
6 - Oil Pressure Switch -F1-

7 - Knock Sensor 3 -G198-

8 - Camshaft Position (CMP) Sensor -G40-

9 - Secondary Air Injection (AIR) Solenoid Valve -N112-

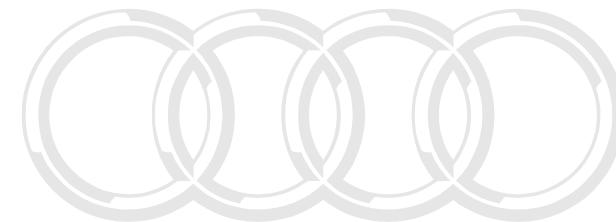
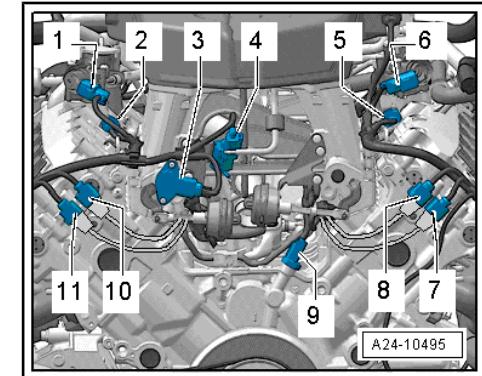
10 - Knock Sensor 4 -G199-


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Component Locations, Engine From Front

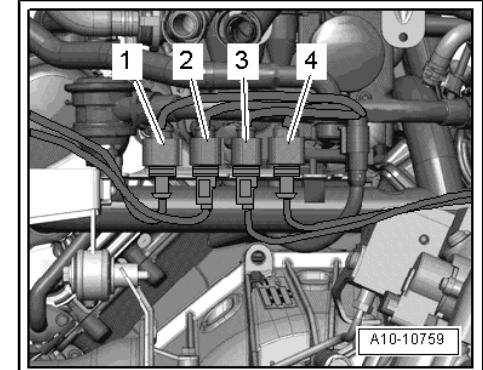
- 1 - High pressure pump cylinder bank 1 with Fuel Metering Valve
-N290-
- 2 - Camshaft Position (CMP) Sensor -G40-
- 3 - Intake Manifold Runner Position Sensor -G336-
- 4 - Intake Manifold Runner Control (IMRC) Valve -N316-
- 5 - Camshaft Position (CMP) Sensor 2 -G163-
- 6 - Fuel Metering Valve 2 -N402-
- 7 - Knock Sensor 4 -G199-
- 8 - Knock Sensor 3 -G198-
- 9 - Oil Pressure Switch -F1-
- 10 - Knock Sensor 2 -G66-
- 11 - Knock Sensor 1 -G61-


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Oxygen Sensor Connector Bracket

- 1 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131- [⇒ page 40](#)
- 2 - Heated Oxygen Sensor (HO2S) 2 -G108- [⇒ page 40](#)
- 3 - Heated Oxygen Sensor (HO2S) -G39- [⇒ page 39](#)
- 4 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130- [⇒ page 39](#)



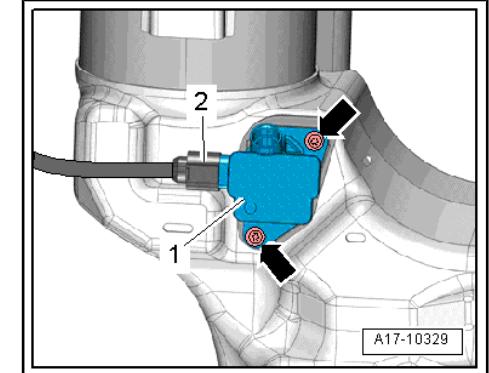
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Oil Level Thermal Sensor

- ◆ Mounted on oil tank

1 - Oil Level Thermal Sensor -G266-

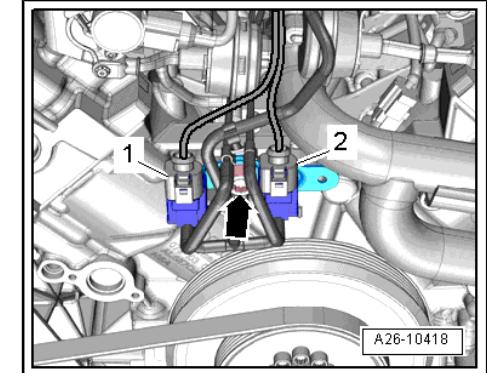


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Secondary Air Injection (Air) Solenoid Valve Installation Location

- 1 - Secondary Air Injection (AIR) Solenoid Valve -N112-
- 2 - Secondary Air Injection (AIR) Solenoid Valve 2 -N320-

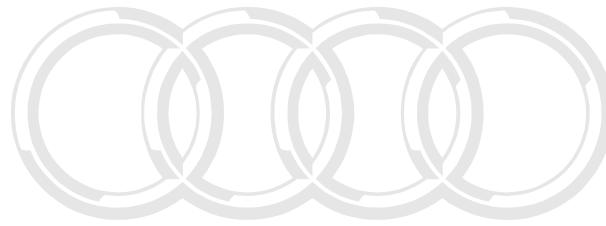


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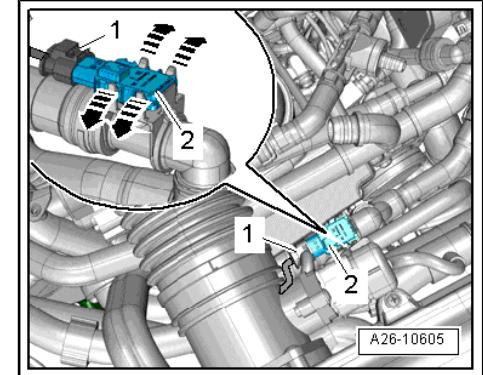


Secondary Air Injection Sensor 1

2 - Secondary Air Injection Sensor 1 -G609-

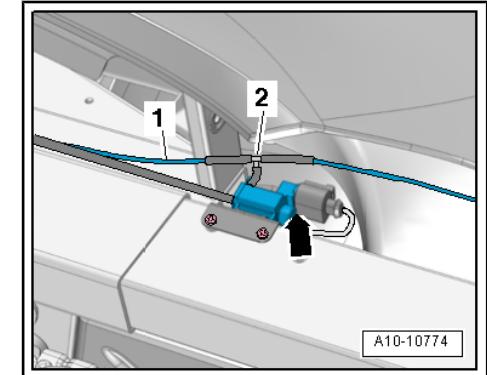
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Exhaust Flap Valve 1

-ARROW- Exhaust Flap Valve 1 -N321-



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1.3 5.2L BUJ and CMPA/CTPA/CTYA Component Locations

Part 1 - Coupe

1 - Mass Air Flow (MAF) Sensor 2 -G246- / Intake Air Temperature (IAT) Sensor 2 -G299-

2 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-

Component location [page 40](#)

3 - Engine Speed (RPM) Sensor -G28-

Component location [page 34](#)

4 - Heated Oxygen Sensor (HO2S) 2 -G108-

Component location [page 40](#)

5 - Throttle Valve Control Module 2 -J544-

6 - Engine Control Module (ECM) 2 -J624-

Component location [page 9](#)

7 - Secondary Air Injection (AIR) Pump Motor 2 -V189-

8 - Engine Control Module (ECM) -J623-

Component location [page 8](#)

9 - Throttle Valve Control Module -J338-

10 - Heated Oxygen Sensor (HO2S) -G39-

Component location [page 39](#)

11 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-

Component location [page 39](#)

12 - Exhaust Flap Valve 1 -N321-

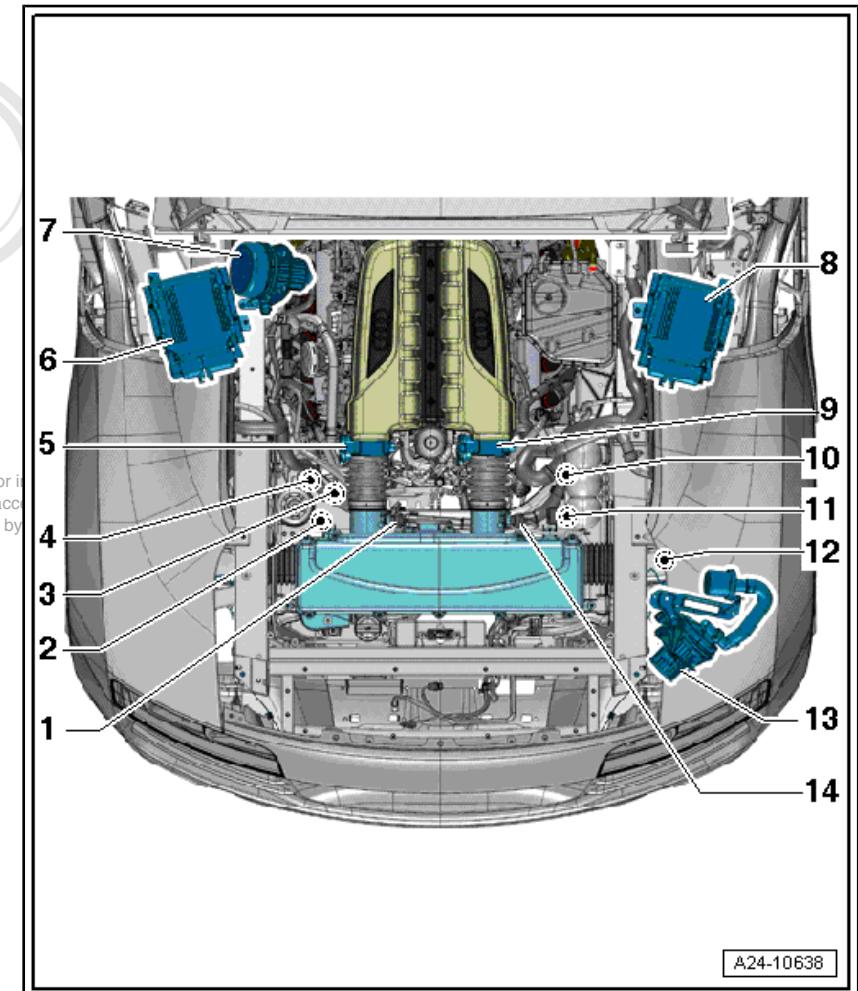
13 - Secondary Air Injection (AIR) Pump Motor -V101-

14 - Mass Air Flow (MAF) Sensor -G70- / Intake Air Temperature (IAT) Sensor -G42-



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Part 1 - Spyder

1 - Secondary air injection pump motor 2 -V189-

2 - Engine control module 2 -J624-

Component location [⇒ page 11](#)

3 - Oxygen sensor 2 after catalytic converter -G131-

Component location [⇒ page 40](#)

4 - Engine speed sensor -G28-

Component location [⇒ page 40](#)

5 - Heated oxygen sensor 2 -G108-

Component location [⇒ page 40](#)

6 - Throttle valve control module 2 -J544-

7 - Throttle valve control module -J338-

8 - Heated oxygen sensor -G39-

9 - Oxygen sensor after three way catalytic converter -G130-

Component location [⇒ page 39](#)

10 - Engine control module -J623-

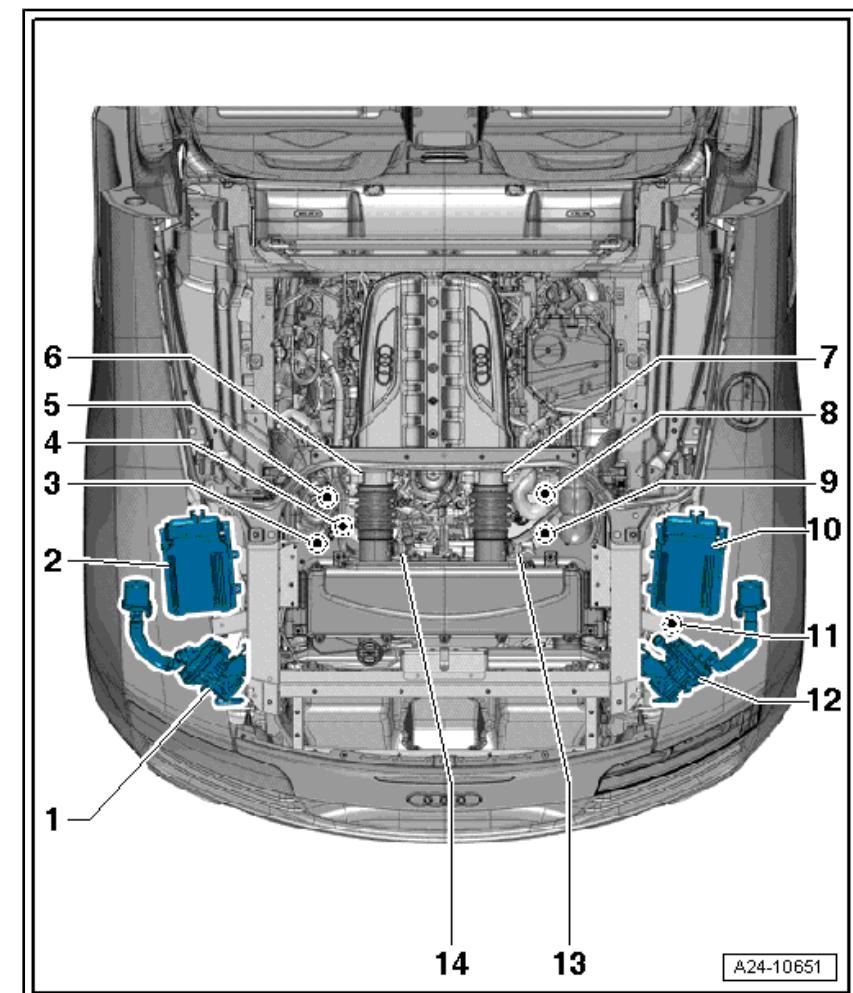
Component location [⇒ page 10](#)

11 - Exhaust door valve 1 -N321-

12 - Secondary air injection pump motor -V101-

13 - Mass airflow sensor -G70- / Intake air temperature sensor -G42-

14 - Mass airflow sensor 2 -G246- / Intake air temperature sensor 2 -G299-



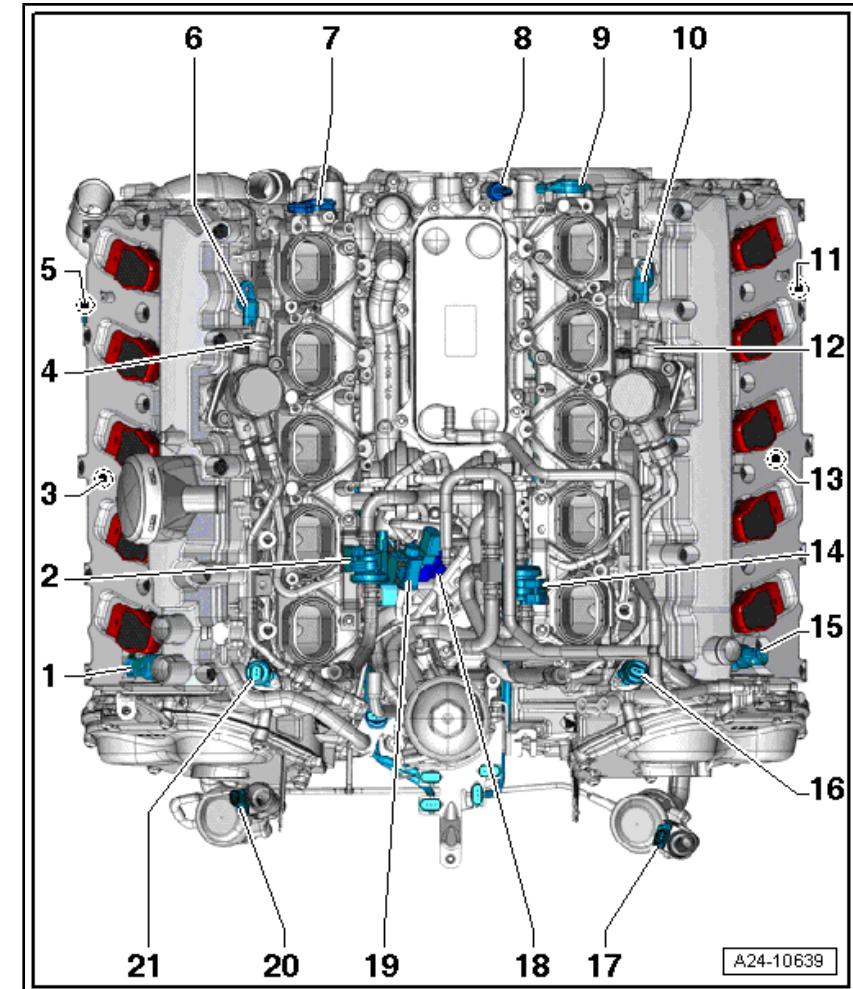
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Part 2

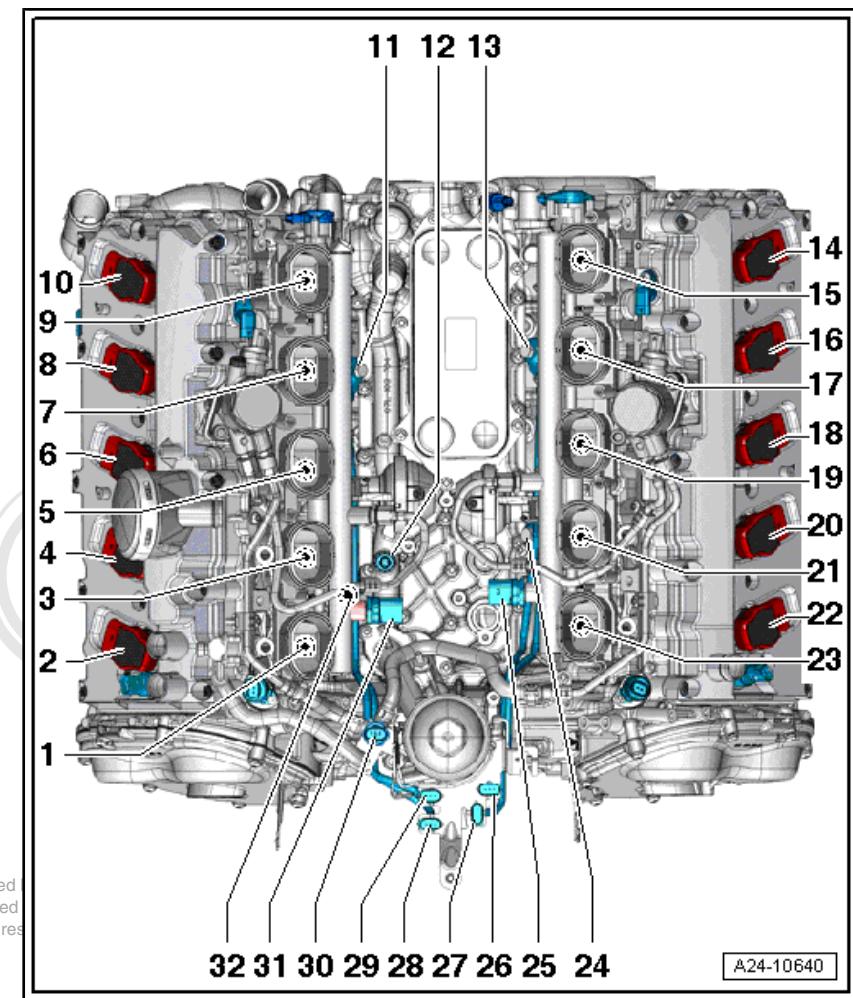
- 1 - Camshaft Adjustment Valve 2 (exhaust) -N319-
- 2 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 2 -N333-
- 3 - Left Electro-Hydraulic Engine Mount Solenoid Valve -N144-
 - Component location [page 38](#)
- 4 - Fuel Metering Valve 2 -N402-
- 5 - Camshaft Position (CMP) Sensor 4 -G301-
- 6 - Camshaft Position (CMP) Sensor 2 -G163-

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- 7 - Intake Manifold Runner Position Sensor 2 -G512-
- 8 - Engine Coolant Temperature (ECT) Sensor -G62-
- 9 - Intake Manifold Runner Position Sensor -G336-
- 10 - Camshaft Position (CMP) Sensor -G40-
- 11 - Camshaft Position (CMP) Sensor 3 -G300-
- 12 - Fuel Metering Valve -N290-
- 13 - Right Electro-Hydraulic Engine Mount Solenoid Valve -N145-
 - Component location [page 38](#)
- 14 - Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-
- 15 - Camshaft Adjustment Valve 1 (exhaust) -N318-
- 16 - Camshaft Adjustment Valve 1 -N205-
- 17 - Secondary Air Injection Sensor 1 -G609-
- 18 - Intake Manifold Runner Control (IMRC) Valve -N316-
- 19 - Secondary Air Injection (AIR) Solenoid Valve -N112-
 - With Secondary Air Injection (AIR) Solenoid Valve 2 -N320-
- 20 - Secondary Air Injection Sensor 2 -G610-
- 21 - Camshaft Adjustment Valve 2 -N208-



Part 3

- 1 - Cylinder 10 Fuel Injector -N300-
- 2 - Ignition Coil 10 with Power Output Stage -N328-
- 3 - Cylinder 9 Fuel Injector -N299-
- 4 - Ignition Coil 9 with Power Output Stage -N327-
- 5 - Cylinder 8 Fuel Injector -N86-
- 6 - Ignition Coil 8 with Power Output Stage -N326-
- 7 - Cylinder 7 Fuel Injector -N85-
- 8 - Ignition Coil 7 with Power Output Stage -N325-
- 9 - Cylinder 6 Fuel Injector -N84-
- 10 - Ignition Coil 6 with Power Output Stage -N324-
- 11 - Knock Sensor 3 -G198-
 - Location view
- 12 - Oil Temperature Sensor 2 -G664-
- 13 - Knock Sensor 1 -G61-
 - Location view
- 14 - Ignition Coil 1 with Power Output Stage -N70-
- 15 - Cylinder 1 Fuel Injector -N30-
- 16 - Ignition Coil 2 with Power Output Stage -N127-
- 17 - Cylinder 2 Fuel Injector -N31-
- 18 - Ignition Coil 3 with Power Output Stage -N291-
- 19 - Cylinder 3 Fuel Injector -N32-
- 20 - Ignition Coil 4 with Power Output Stage -N292-
- 21 - Cylinder 4 Fuel Injector -N33-
- 22 - Ignition Coil 5 with Power Output Stage -N323-
- 23 - Cylinder 5 Fuel Injector -N83-



Part 3, cont.

24 - Knock Sensor 2 -G66-

Location view

25 - Fuel Pressure Sensor -G247-

26 - Electrical Harness Connector

For Knock Sensor 1 -G61-

27 - Electrical Harness Connector

For Knock Sensor 2 -G66-

28 - Electrical Harness Connector

For Knock Sensor 4 -G199-

29 - Electrical Harness Connector

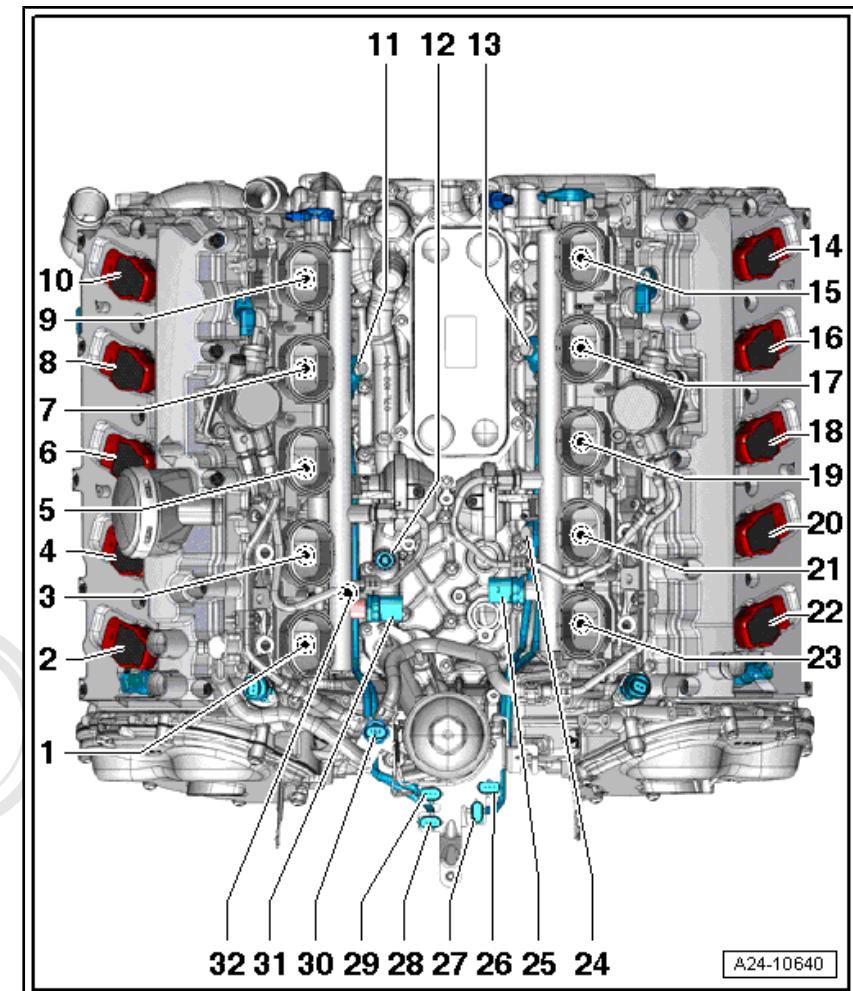
For Knock Sensor 3 -G198-

30 - Low Fuel Pressure Sensor -G410-

31 - Fuel Pressure Sensor 2 -G624-

32 - Knock Sensor 4 -G199-

Location view

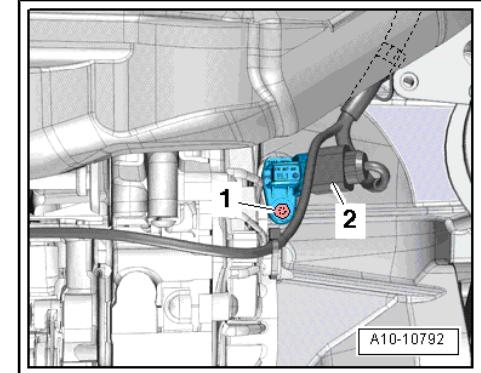


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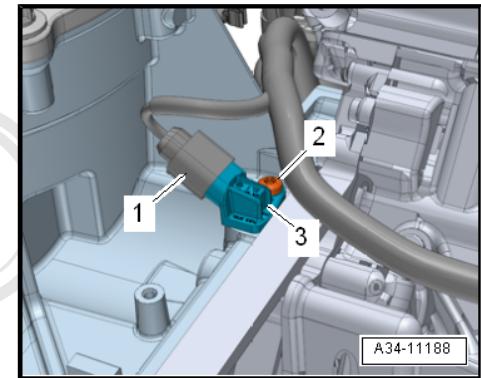
erWin

Engine Speed (RPM) Sensor vehicles with manual transmissions/R tronic transmission 086

- 1 - Engine Speed (RPM) Sensor -G28-
◆ On the left side of the transmission housing

**Engine Speed (RPM) Sensor vehicles with dual-clutch transmission 0BZ**

- 3 - Engine Speed (RPM) Sensor -G28-
◆ On top of the transmission housing



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Knock Sensors

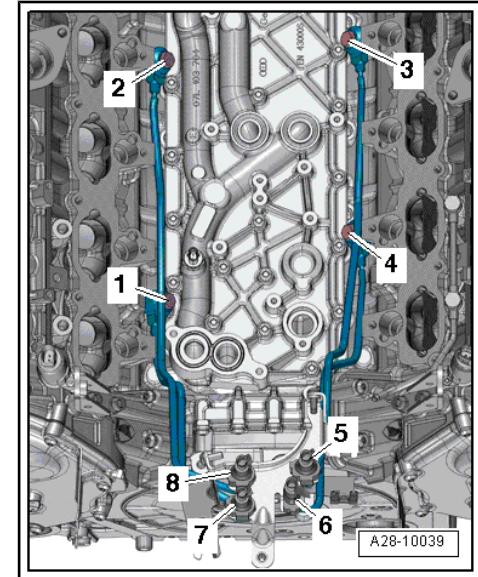
- 1 - Knock Sensor 4 -G199-
- 2 - Knock Sensor 3 -G198-
- 3 - Knock Sensor 1 -G61-
- 4 - Knock Sensor 2 -G66-
- 5 - Connector for Knock Sensor 1 -G61-
- 6 - Connector for Knock Sensor 2 -G66-
- 7 - Connector for Knock Sensor 3 -G198-
- 8 - Connector for Knock Sensor 4 -G199-



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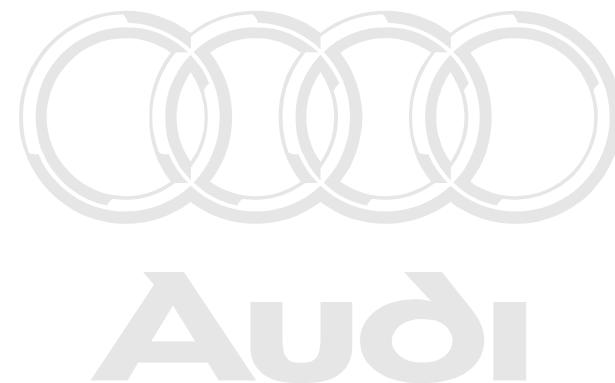
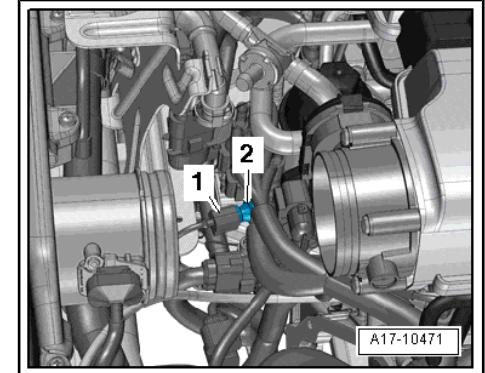
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Oil Pressure Switch

2 - Oil Pressure Switch -F1-



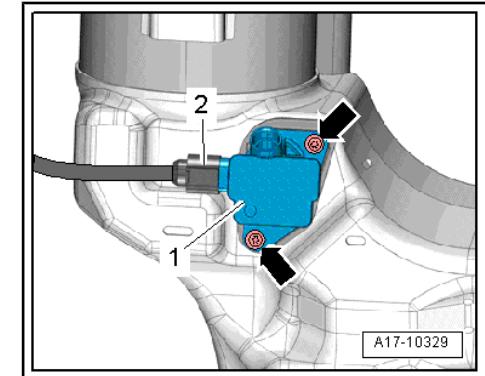
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Oil Level Thermal Sensor

1 - Oil Level Thermal Sensor -G266-

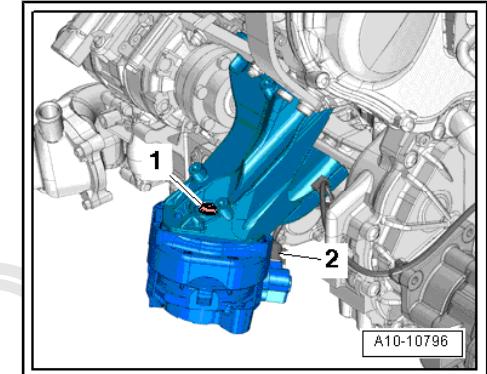
- ◆ Located on oil tank



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Left electrohydraulic engine mount solenoid valve -N144- / Right
electrohydraulic engine mount solenoid valve -N145-



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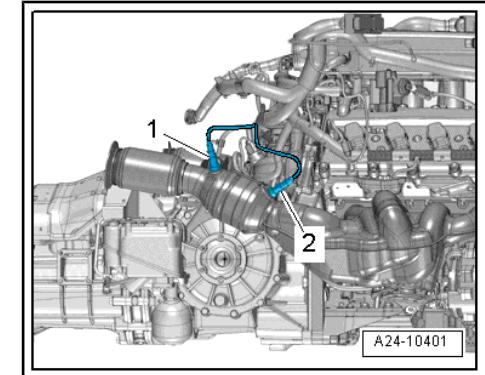
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1.4 Oxygen Sensors

Heated Oxygen Sensors, Bank 1

- ◆ Installed position is the same for 4.2L and 5.2L
- 1 - Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-
- 2 - Heated Oxygen Sensor (HO2S) -G39-



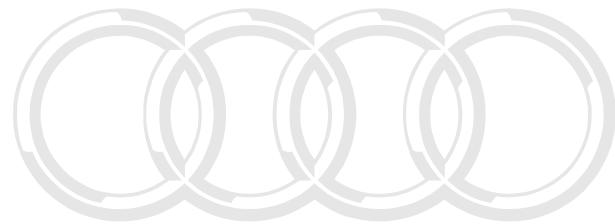
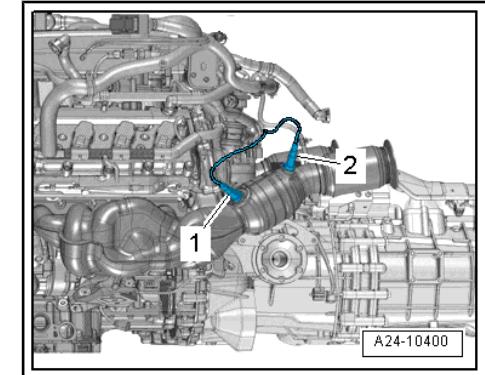
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Heated Oxygen Sensors, Bank 2

1 - Heated Oxygen Sensor (HO2S) 2 -G108-

2 - Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-



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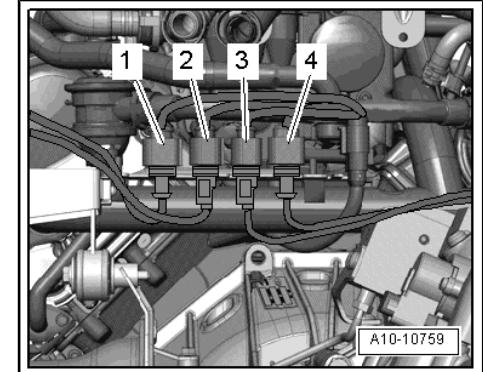
Oxygen sensor electrical connectors, 4.2L BYH and CNDA

1 - For Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-

2 - For Heated Oxygen Sensor (HO2S) 2 -G108-

3 - For Heated Oxygen Sensor (HO2S) -G39-

4 - For Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-



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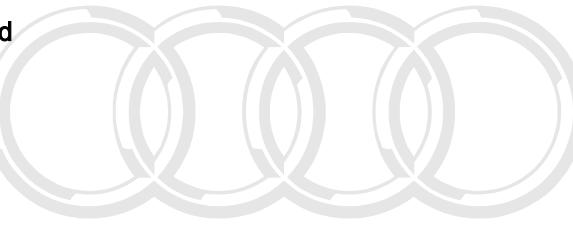
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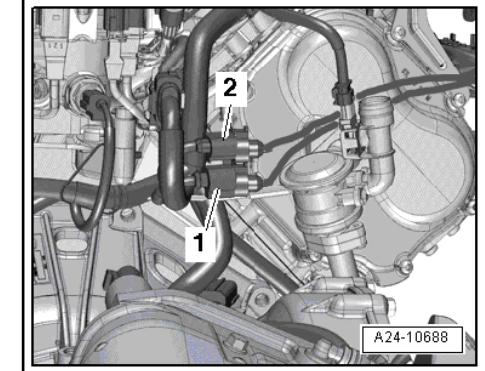
**Oxygen Sensor Connectors, Cylinder Bank 1, 5.2L BUJ and
CMPA/CTPA/CTYA**

1 - For Oxygen Sensor (O2S) Behind Three Way Catalytic Converter (TWC) -G130-

2 - For Heated Oxygen Sensor (HO2S) -G39-



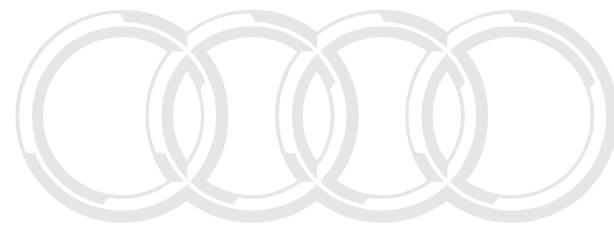
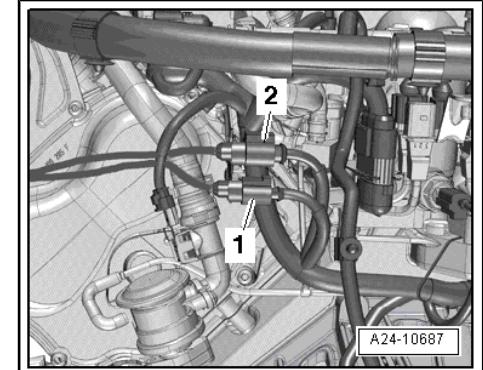
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**Oxygen Sensor Connectors, Cylinder Bank 2, 5.2L BUJ and
CMPA/CTPA/CTYA**

1 - For Oxygen Sensor (O2S) 2 Behind Three Way Catalytic Converter (TWC) -G131-

2 - For Heated Oxygen Sensor (HO2S) 2 -G108-

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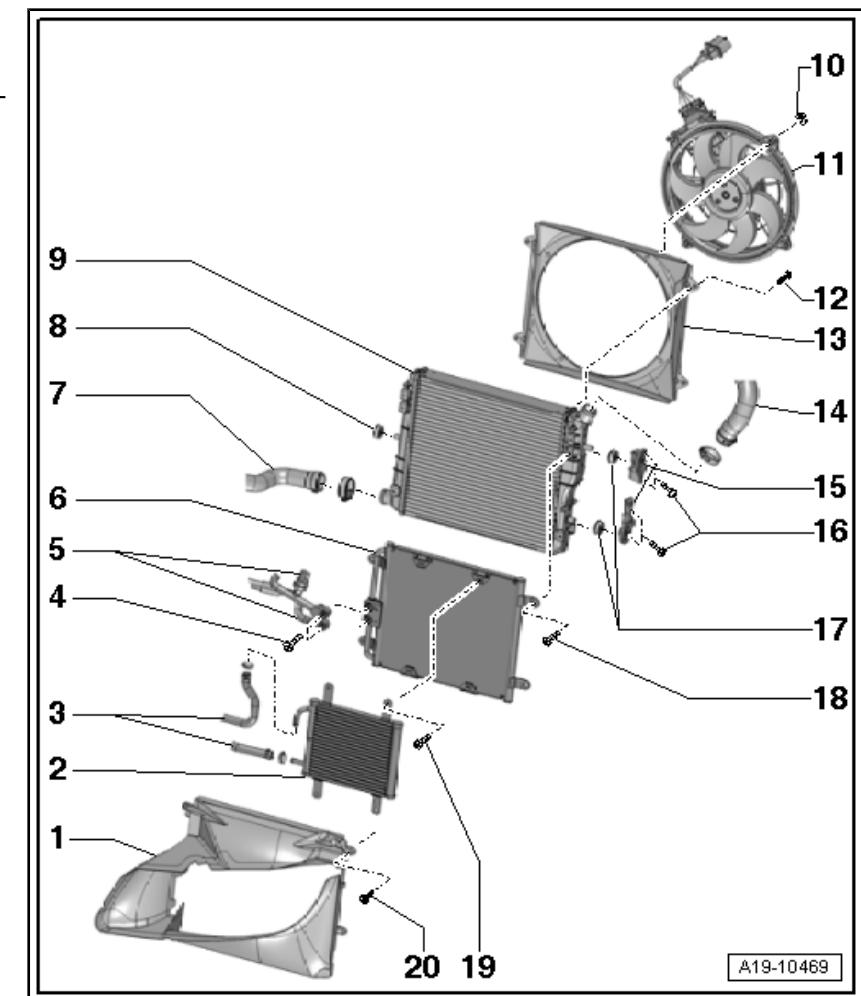
1.5 Cooling Fans and Pumps

11 - Coolant Fan

- Left radiator: Coolant Fan -V7- with Coolant Fan Control (FC) Control Module -J293-
- Right radiator: Coolant Fan 2 -V177- with Coolant Fan Control (FC) Control Module 2 -J671-

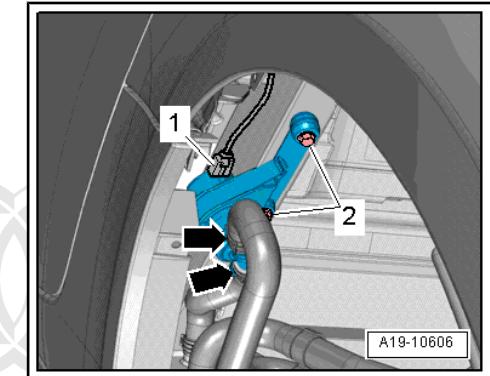


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After-Run Coolant Pump

1 - After-Run Coolant Pump -V51-

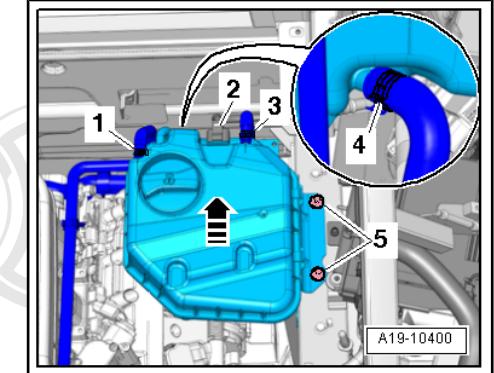


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Engine Coolant Level (ECL) Warning Switch

2 - Engine Coolant Level (ECL) Warning Switch -F66-



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1.6 Evap System Overviews

5 - Air Filter Housing

- For Leak Detection Pump (LDP) -V144-

8 - EVAP Canister

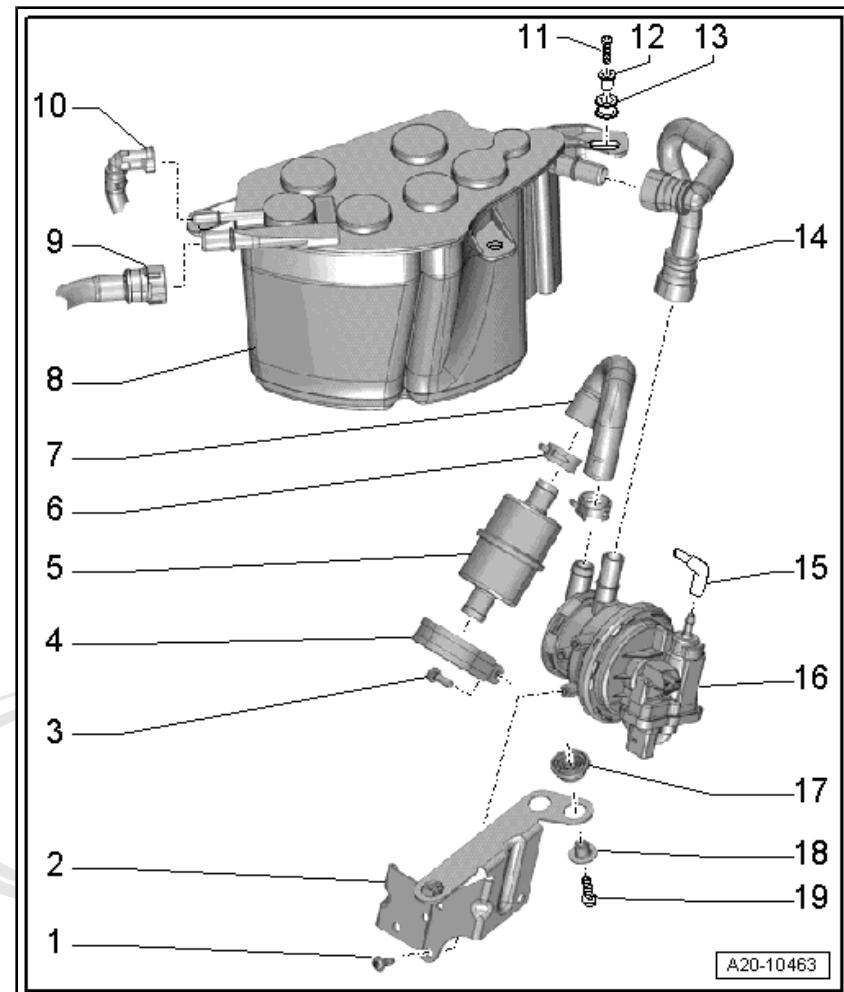
- Component location: Under the right engine compartment trim

10 - Vent Line

- To Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80-

16 - Leak Detection Pump (LDP) -V144-

- Component location: Under wheel housing liner in right rear wheel housing



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1.7 Fuel Pump and Sensors

7 - Fuel Level Sensor 2 -G169-

12 - Fuel Level Sensor 4 -G393-

17 - Fuel Level Sensor 3 -G237-

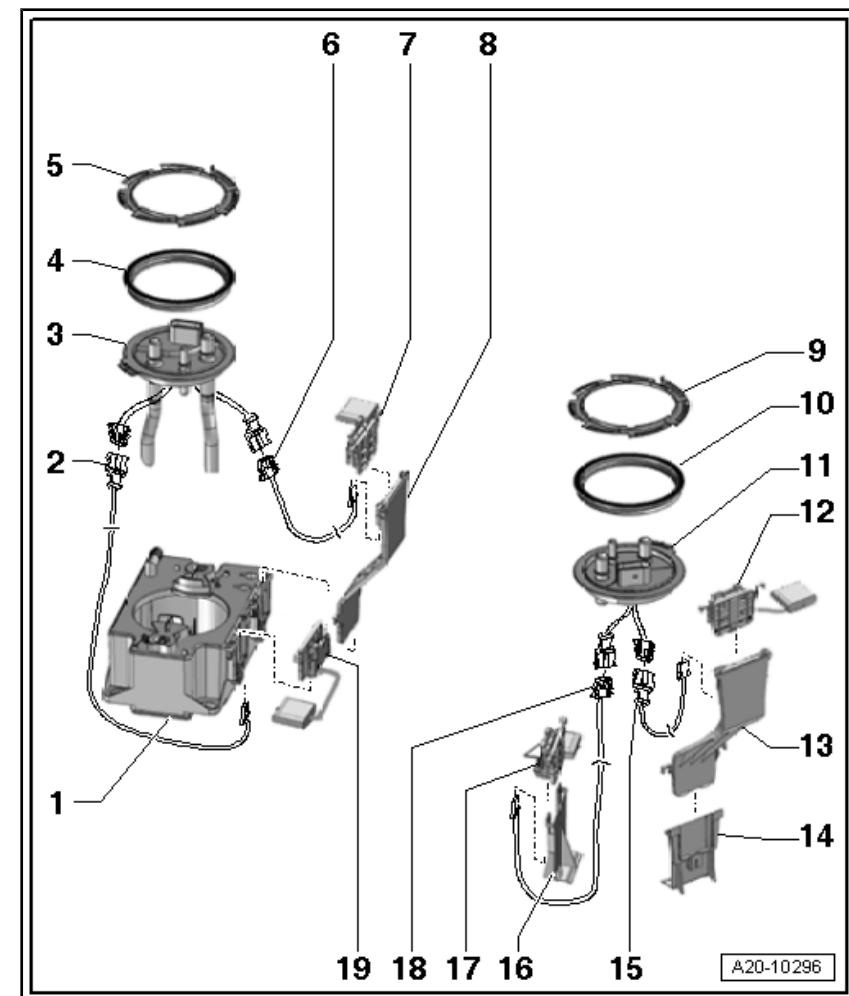
19 - Fuel Level Sensor -G-



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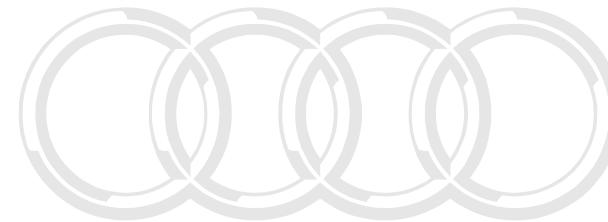
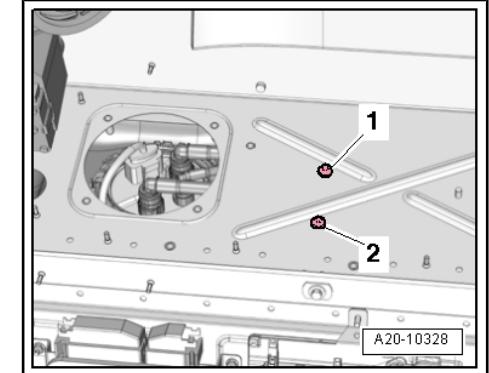
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Fuel Pump Control Unit

Fuel Pump (FP) Control Module -J538-



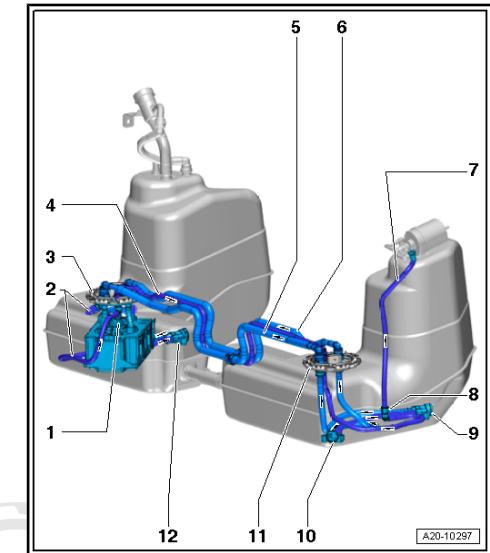
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Fuel Delivery Unit

1 - Fuel delivery unit

◆ With Transfer Fuel Pump (FP) -G6- and suction jet pump

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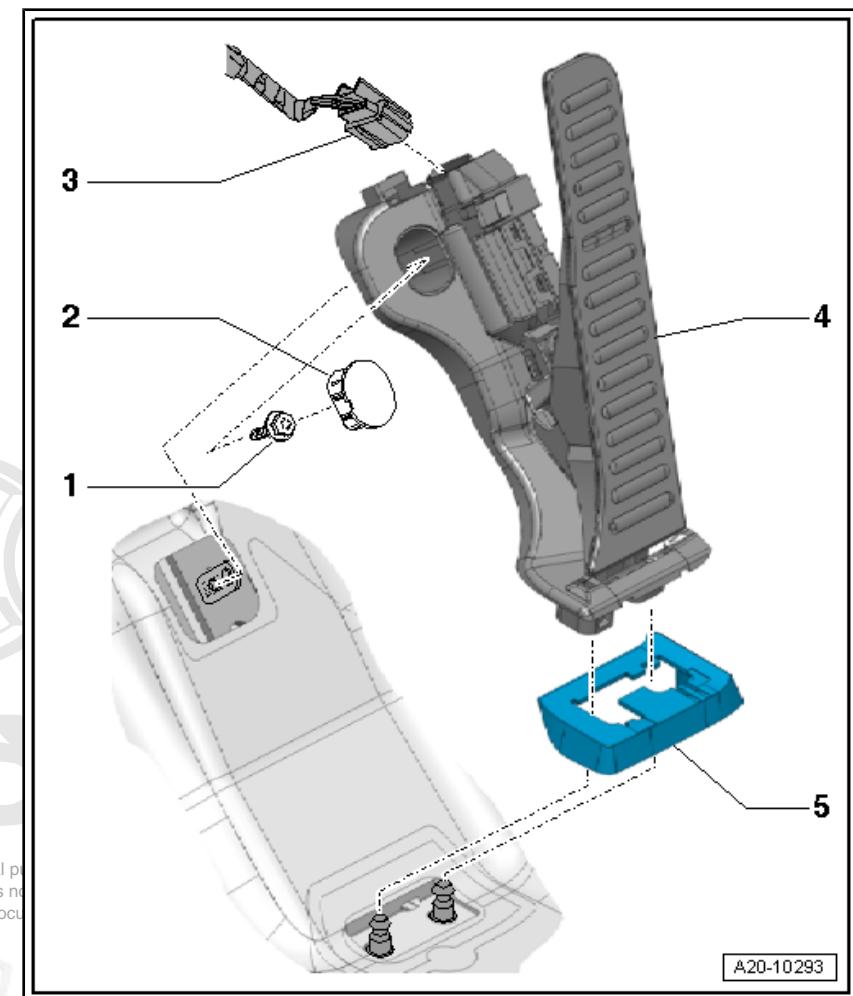
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1.8 Accelerator Pedal Module

4 - Accelerator Pedal Module

- With Throttle Position (TP) Sensor -G79- and Accelerator Pedal Position Sensor 2 -G185-



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1 Component Locations: Parking Aid System

1.1 Parking Aid System Component Location

1 - Right Front Center Parking Aid Sensor -G253-

- In front bumper

2 - Right Front Parking Aid Sensor -G252-

- In front bumper

3 - Front Parking Aid Warning Buzzer -H22-

- Only with 8-channel parking aid
- Behind glove compartment [⇒ page 6](#)

4 - Parking Aid Button -E266-

- Only with 8-channel parking aid
- With Parking Aid Switch Illumination -L117-
- With Parking Aid Indicator Lamp -K136-
- Location [⇒ page 3](#)

5 - Right Rear Parking Aid Sensor -G206-

- In rear bumper

6 - Right Rear Center Parking Aid Sensor -G205-

- In rear bumper

7 - Left Rear Center Parking Aid Sensor -G204-

- In rear bumper

8 - Left Rear Parking Aid Sensor -G203-

- In rear bumper

9 - Rear Parking Aid Warning Buzzer -H15-

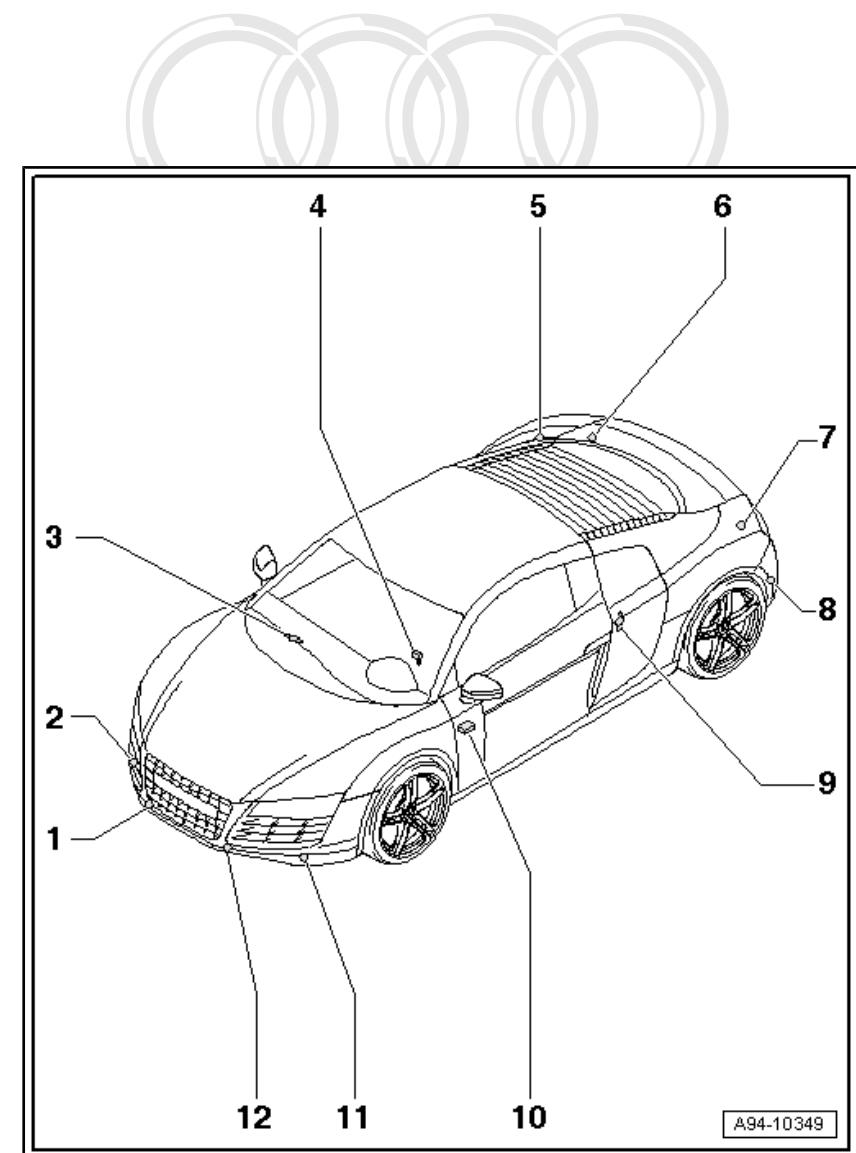
- Behind left rear speaker trim [⇒ page 5](#)

10 - Parking Aid Control Module -J446-

- On left side of vehicle under seat [⇒ page 4](#)

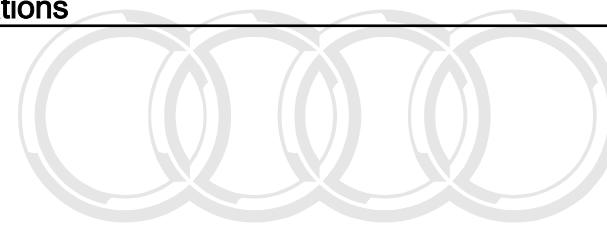
11 - Left Front Parking Aid Sensor -G255-

- In front bumper



12 - Left Front Center Parking Aid Sensor -G254-

- In front bumper

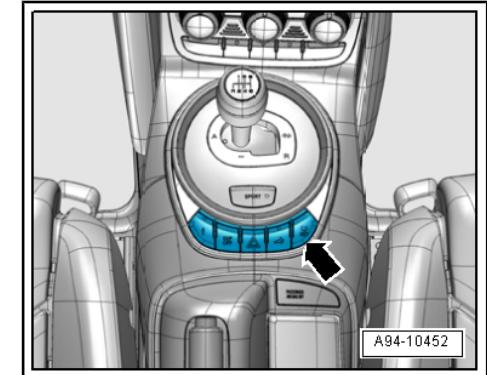


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Parking Aid Button

-ARROW- Front/Center Console Control Head -E461-

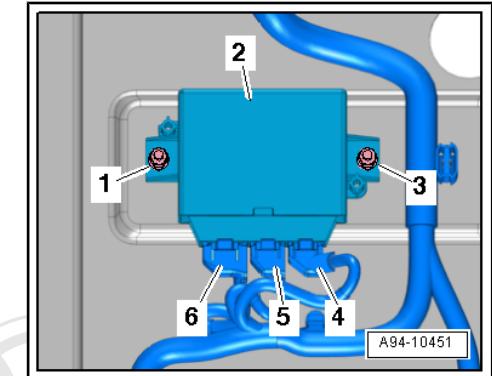


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Parking Aid Control Module

-2- Parking Aid Control Module -J446-

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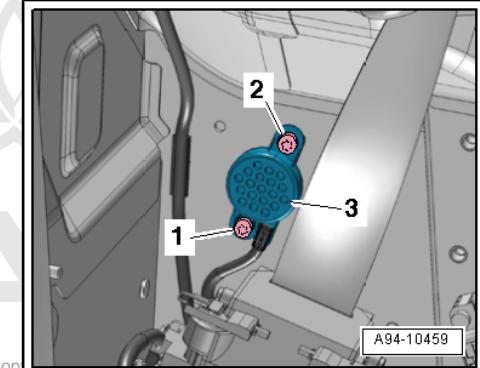
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The erWin logo features the word 'erWin' in a stylized font with a small robot icon integrated into the letter 'e'.

Rear Parking Aid Warning Buzzer

-3- Rear Parking Aid Warning Buzzer -H15-



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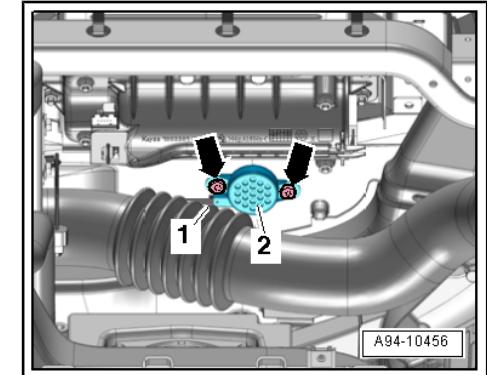


Front Parking Aid Warning Buzzer

-2- Front Parking Aid Warning Buzzer -H22-

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1 Component Locations: Radio / Navigation Systems

- ◆ Radio System Component Overview [⇒ page 2](#)
- ◆ RNS-E Component Overview [⇒ page 6](#)
- ◆ Telephone System Component Overview [⇒ page 8](#)
- ◆ Antenna Systems Component Overview [⇒ page 10](#)



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1.1 Radio System Component Overview

1 - Antenna Amplifier 3 -R112-

- Behind right A-pillar [⇒ page 11](#)

2 - Microphone Unit (in front roof module) -R164-

- In Front Interior Light -W1-

3 - Satellite Radio -R146-

- Below rear shelf, right [⇒ page 4](#)

4 - CD Changer -R41-

- Below rear shelf

5 - Digital Sound System Control Module -J525-

- Below rear shelf, left [⇒ page 5](#)

6 - Left Rear Treble Speaker -R14- / Right Rear Treble Speaker -R16-

- In upper right side trim

7 - Satellite Antenna -R170-

- In rear lid [⇒ page 13](#)

8 - Antenna Amplifier -R24-

- AM/FM1
- Below left tail lamp [⇒ page 12](#)

9 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-

- In rear side trim

10 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-

- In door trim

11 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-

- In lower door trim

12 - Left Front Treble Speaker -R20- / Right Front Treble Speaker -R22-

- In upper A-pillar trim

13 - Antenna Selection Control Module -J515-

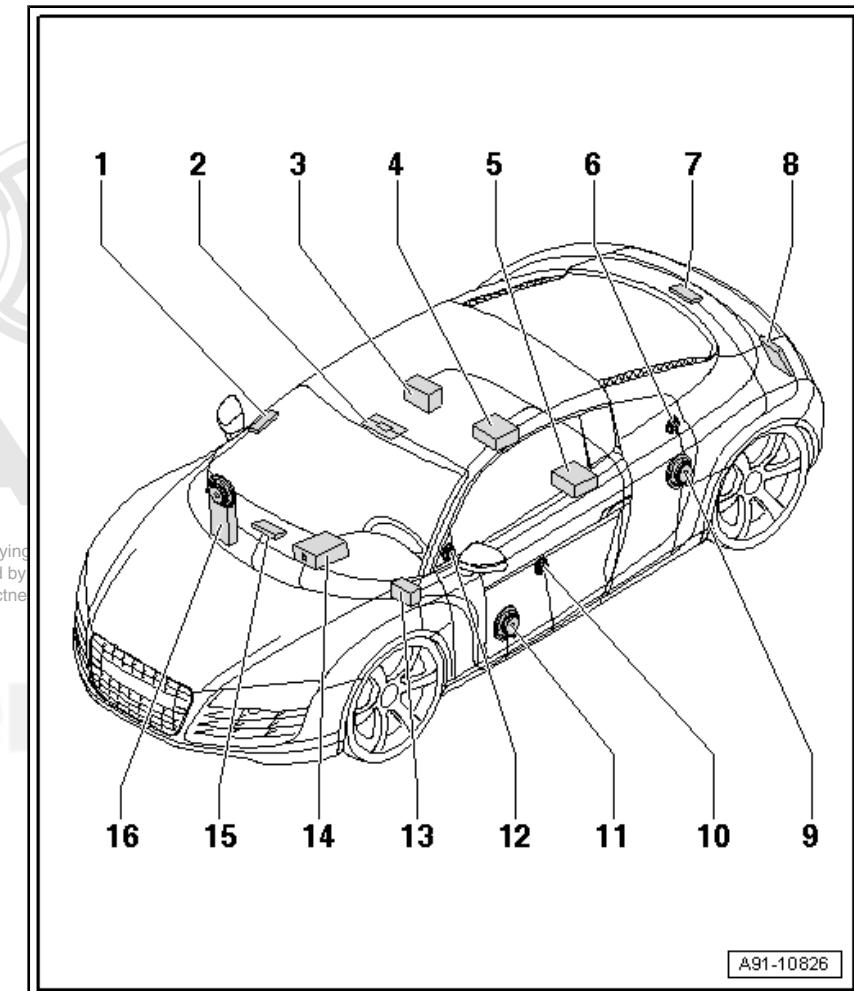
- Behind left instrument panel cover [⇒ page 16](#)

14 - Radio -R-

- In instrument panel



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A91-10826

15 - Center Mid/High Range Speaker -R158-

- In instrument panel, center

16 - Center Speaker -R148-

- Behind glove compartment

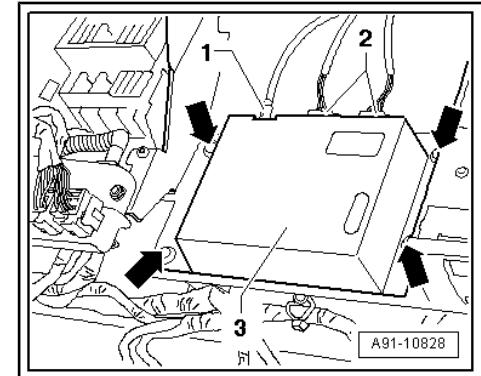


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Satellite Radio

3 - Satellite Radio -R146-

Located below rear shelf, right



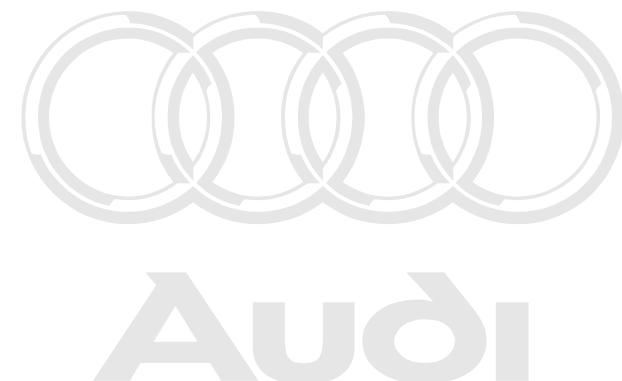
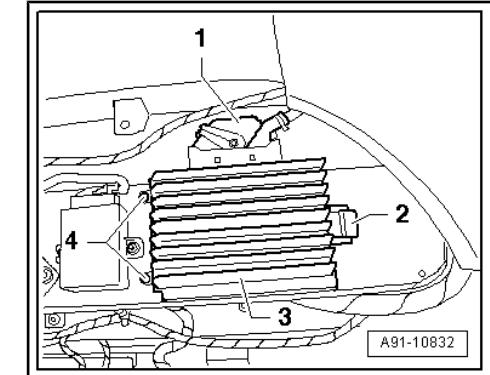
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Digital Sound System Control Module

3 - Digital Sound System Control Module -J525-

Located under the left side of rear shelf



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1.2 RNS-E Component Overview

1 - Center Speaker -R148-

- Behind glove compartment

2 - Navigation System Antenna -R50-

- Under instrument panel, center [⇒ page 15](#)

3 - Antenna Amplifier 3 -R112-

- Behind right A-pillar [⇒ page 11](#)
- Connected to Antenna -R11- (in front windshield)

4 - Microphone Unit (in front roof module) -R164-

- In Front Interior Light -W1-

5 - Satellite Radio -R146-

- Below rear shelf, right [⇒ page 4](#)

6 - CD Changer -R41-

- Below rear shelf

7 - Digital Sound System Control Module -J525-

- Below rear shelf, left [⇒ page 5](#)

8 - Satellite Antenna -R170-

- In rear lid [⇒ page 13](#)

9 - Left Rear Treble Speaker -R14- / Right Rear Treble Speaker -R16-

- In upper right side trim

10 - Antenna Amplifier -R24-

- AM/FM1
- Below left tail lamp [⇒ page 12](#)

11 - Left Rear Mid/Low Range Speaker -R159- / Right Rear Mid/Low Range Speaker -R160-

- In rear side trim

12 - Left Front Midrange Speaker -R103- / Right Front Midrange Speaker -R104-

- In door trim

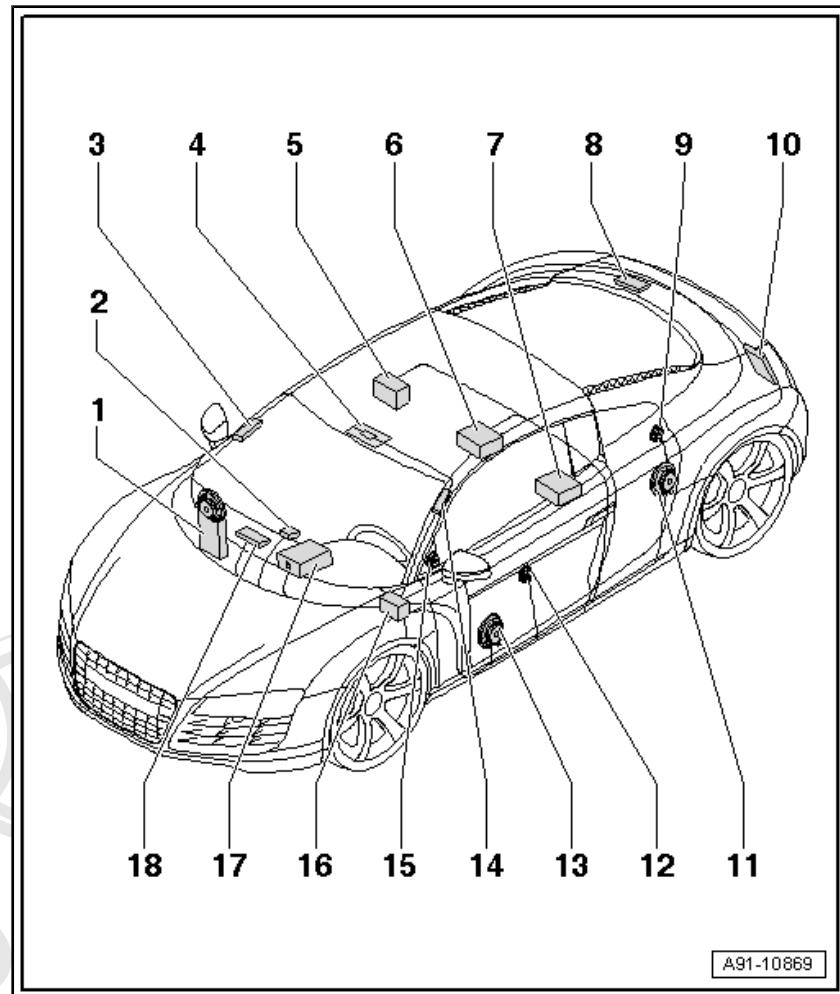
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13 - Left Front Bass Speaker -R21- / Right Front Bass Speaker -R23-

- In lower door trim

14 - Antenna Amplifier 2 -R111-

- Behind left A-pillar [⇒ page 11](#)



15 - Left Front Treble Speaker -R20- / Right Front Treble Speaker -R22-

- In upper A-pillar trim

16 - Antenna Selection Control Module -J515-

- Behind left instrument panel cover [⇒ page 16](#)

17 - Navigation System with CD Drive Control Module -J401-

- In instrument panel

18 - Center Mid/High Range Speaker -R158-

- In instrument panel, center



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1.3 Telephone System Component Overview

1 - Telephone Baseplate -R126-

- In center console

2 - Microphone Unit (in front roof module) -R164-

- In Front Interior Light -W1-

3 - CD Changer -R41-

- Below rear shelf

4 - Telephone Transceiver -R36-

- With Bluetooth Antenna -R152-
- Below rear shelf, left [page 9](#)

5 - Radio/Telephone Antenna -R51-

- In rear lid [page 14](#)

6 - Rear Speakers

- In rear side trim

7 - Front Speakers

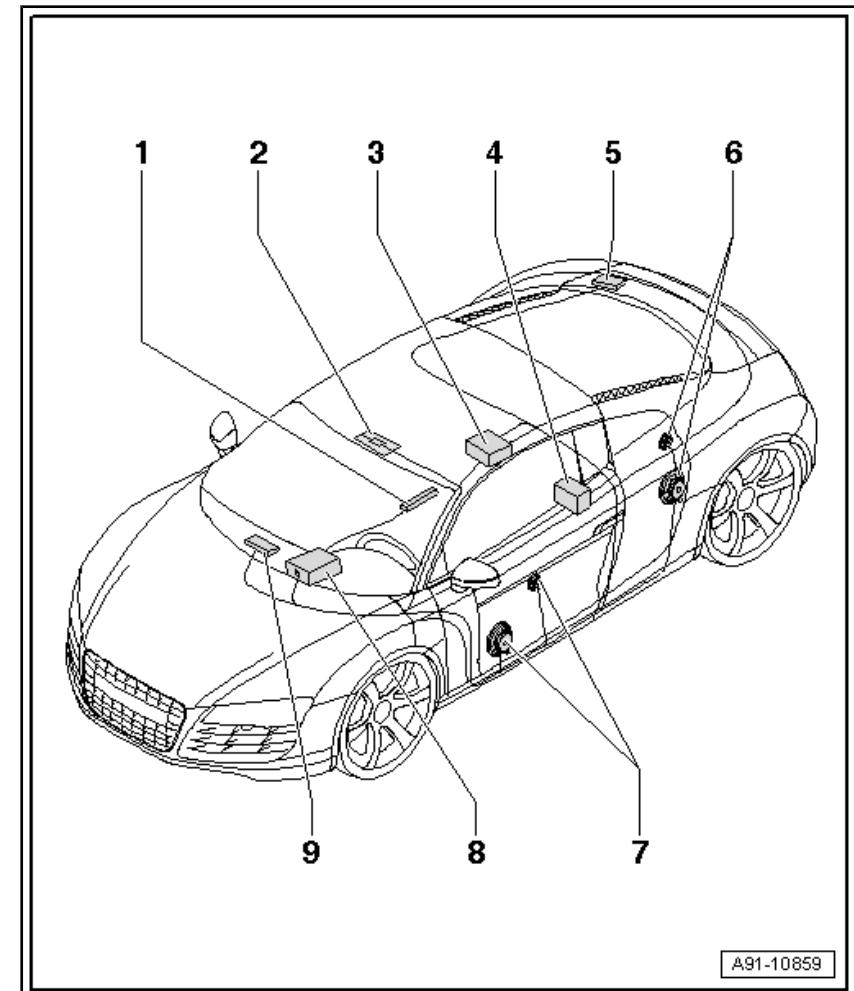
- In door trim

8 - Radio -R-

- In instrument panel

9 - Center Mid/High Range Speaker -R158-

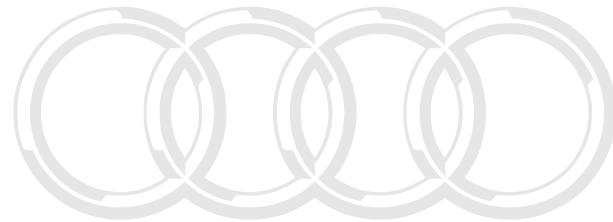
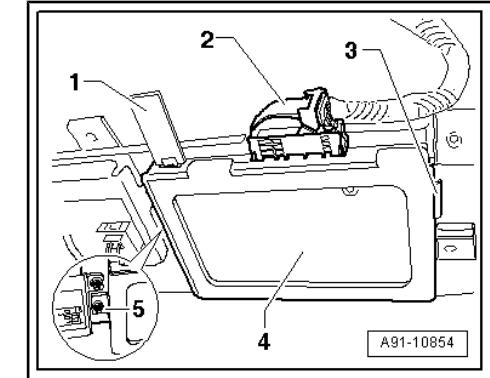
- In instrument panel, center



Telephone Transceiver

4 - Telephone Transceiver -R36-

Located under the left side of rear shelf

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1.4 Antenna Systems Component Overview

1 - Antenna Amplifier 3 -R112-

- FM2/TV2
- Connected to Antenna -R11- (in front windshield)
- Behind right A-pillar [⇒ page 11](#)

2 - Antenna Amplifier 4 -R113-

- TV3
- Below right tail lamp [⇒ page 12](#)

3 - Satellite Antenna -R170-

- Sat
- USA and Canada only
- In rear lid [⇒ page 13](#)

4 - Radio/Telephone Antenna -R51-

- GSM
- In rear lid [⇒ page 14](#)

5 - Antenna Amplifier -R24-

- AM/FM1/TV1
- Below left tail lamp [⇒ page 12](#)

6 - Antenna Amplifier 2 -R111-

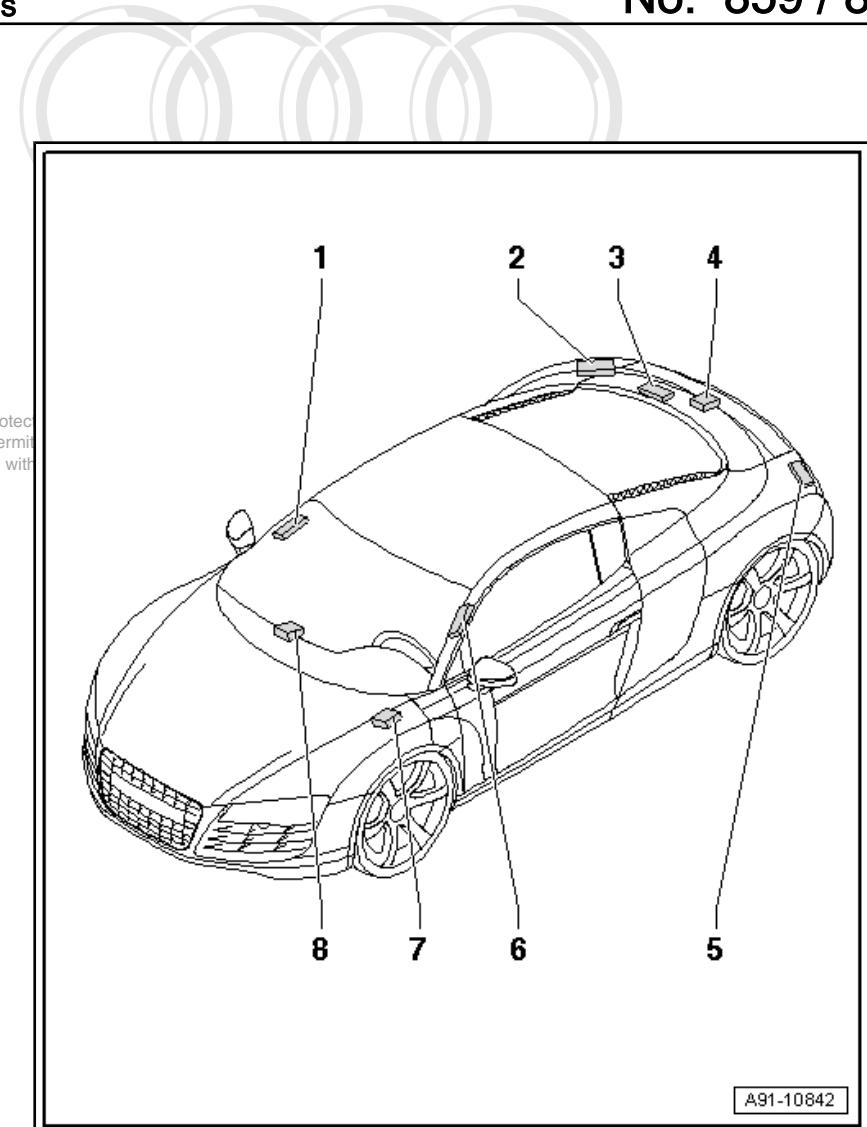
- FZV/DAB
- Connects to Central Locking and Anti-Theft Alarm System Antenna -R47-
- On the left A-pillar [⇒ page 11](#)

7 - Antenna Selection Control Module -J515-

- Behind left instrument panel cover [⇒ page 16](#)

8 - Navigation System Antenna -R50-

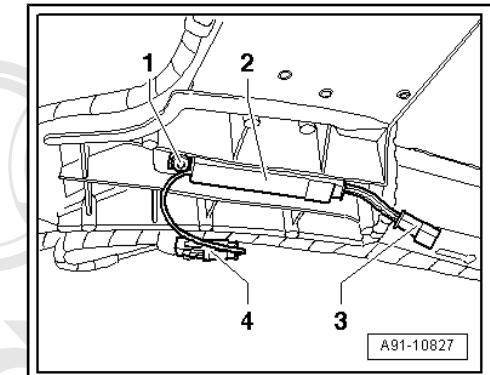
- GPS
- Under instrument panel, center [⇒ page 15](#)



Front Antenna Amplifiers

2 - Antenna Amplifier 2 -R111- / Antenna Amplifier 3 -R112-

Located on the left and right A-pillars



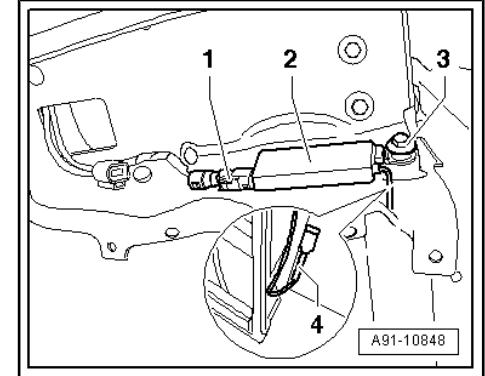
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Rear Antenna Amplifiers

2 - Antenna Amplifier -R24- / Antenna Amplifier 4 -R113-

Located under the left and right tail lamps



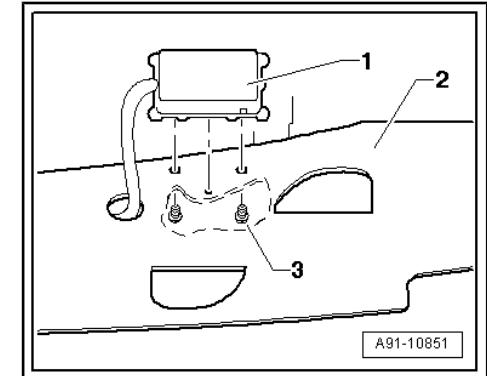
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Satellite Antenna

1 - Satellite Antenna -R170-

Located in the rear lid



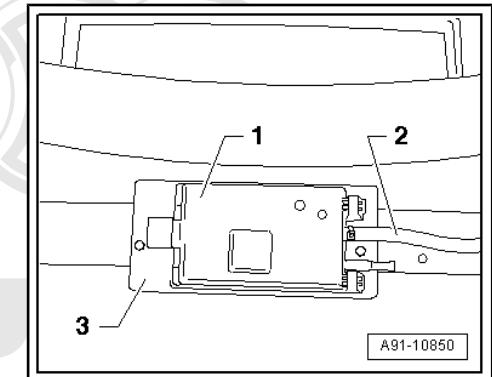
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Radio/Telephone Antenna

1 - Radio/Telephone Antenna -R51-

Located in the rear lid



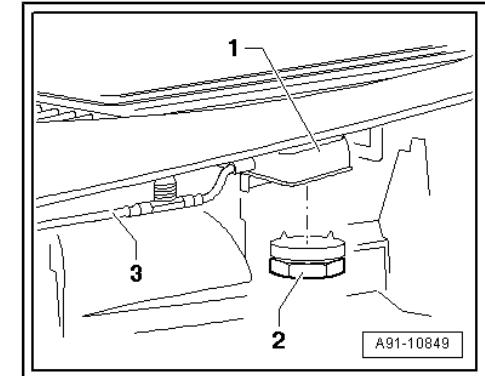
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Navigation System Antenna

1 - Navigation System Antenna -R50-

Located under the center of instrument panel



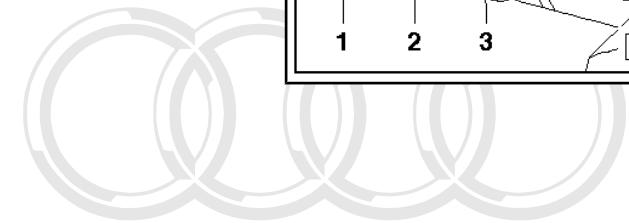
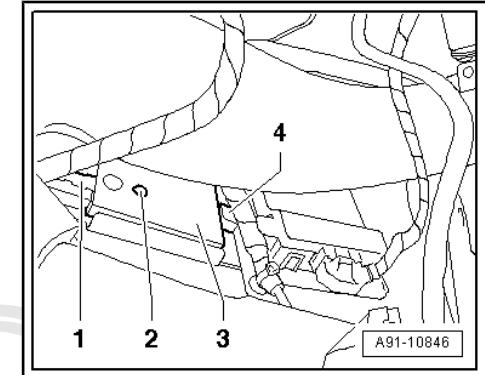
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Antenna Selection Control Module

3 - Antenna Selection Control Module -J515-

Located behind instrument panel cover, left

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1 Component Locations: Suspension System

1.1 Audi Magnetic Ride Electronically-Controlled Damping Assembly Overview

1 - Suspension Strut With The Right Front Dampening Adjustment Valve -N337-

2 - Right Front Level Control Sensor -G289-

- Component location: On the right track transverse link [⇒ page 2](#)

3 - Dampening Adjustment Button -E387-

- Component location: The Dampening Adjustment Button -E387- is installed in the center console switch strip.

4 - Electronic Damping Control Module -J250-

- Component location: The Electronic Damping Control Module -J250- is behind the glove compartment on the right side. [⇒ page 4](#)

5 - Suspension Strut With The Right Rear Dampening Adjustment Valve -N339-

6 - Right Rear Level Control System Sensor -G77-

- Component location: On the right track transverse link [⇒ page 3](#)

7 - Left Rear Level Control System Sensor -G76-

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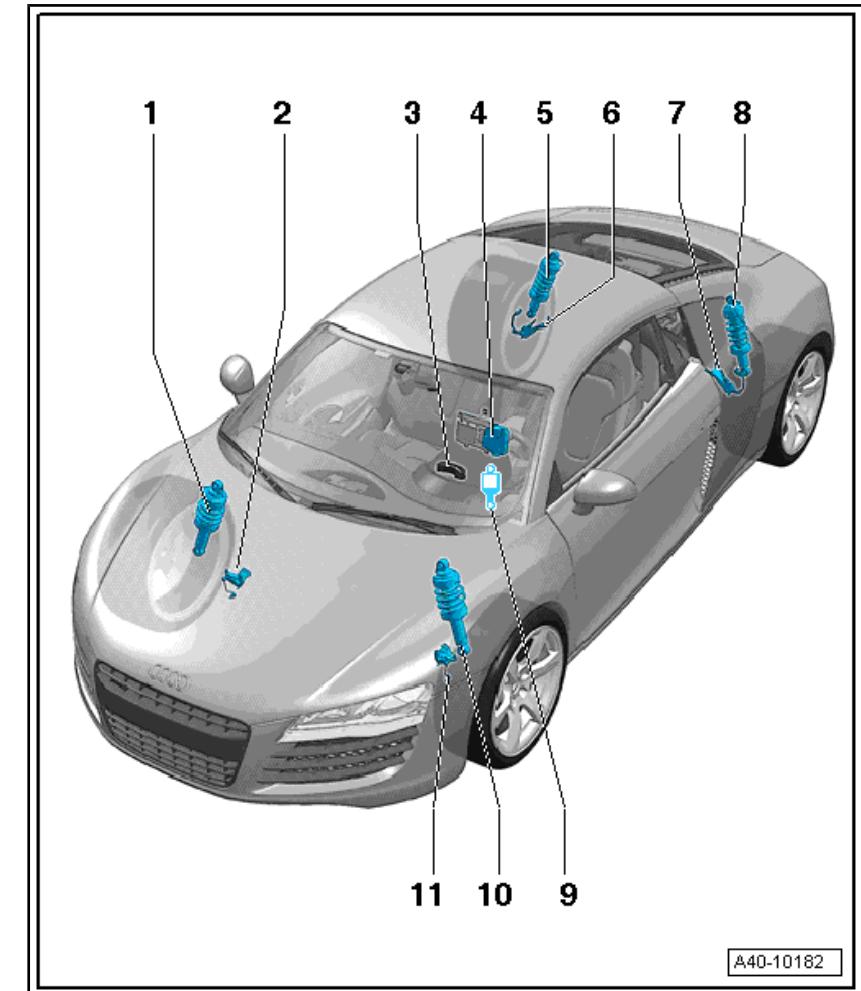
8 - Suspension Strut With The Left Rear Dampening Adjustment Valve -N338-

9 - Dampening Adjustment Indicator Lamp

10 - Suspension Strut With The Left Front Dampening Adjustment Valve -N336-

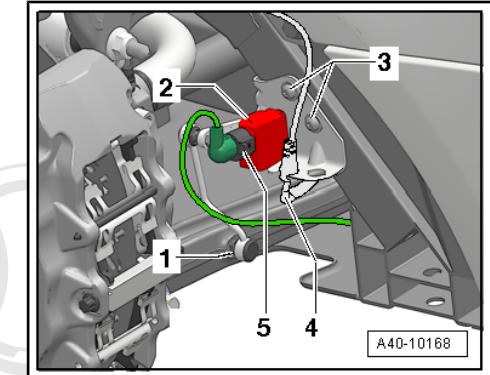
11 - Left Front Level Control System Sensor -G78-

- Component location: On the left track transverse link [⇒ page 2](#)



Front Level Control System Sensor

-2- Right Front Level Control Sensor -G289- / Left Front Level Control System Sensor -G78-



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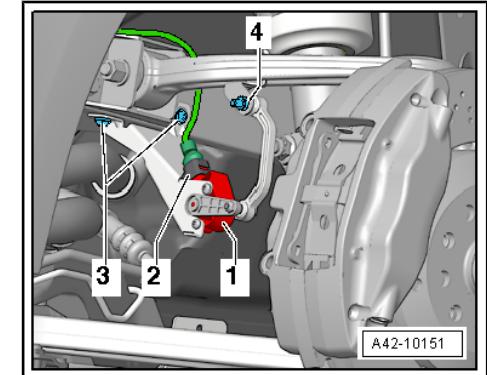


Rear Level Control System Sensor

-1- Right Rear Level Control System Sensor -G77- / Left Rear Level Control System Sensor -G76-

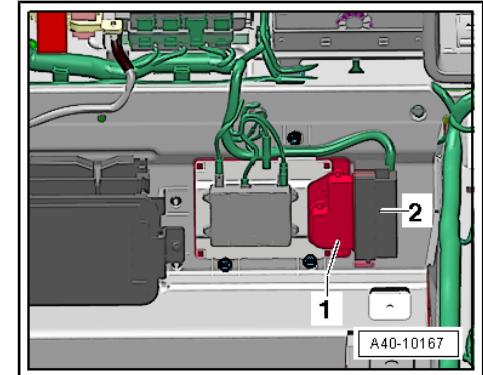


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Electronic Damping Control Module

-1- Electronic Damping Control Module -J250-



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1 Component Locations: Transmission Systems

- ◆ [⇒ “1.1 Manual/Automatic R Tronic Transmission 086”, page 1](#)
- ◆ [⇒ “1.2 Automatic DSG Transmission 0BZ”, page 8](#)
- ◆ [⇒ “1.3 Selector Lever”, page 15](#)

| | | |
|---|--|--|
| Transmission input speed sensor -G182- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 2 ◆ Automatic DSG Transmission 0BZ ⇒ page 12 | Gear recognition sensor 2 -G616- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 2 | Gear recognition sensor -G604- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 2 |
| Gear selection valve 3 -N286- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 3 | Hydraulic pressure sensor -G270- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 3 | Gear selection valve 2 -N285- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 3 |
| Gear selection valve 1 -N284- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 3 | Clutch actuator valve -N255- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 3 | Transmission hydraulic pump -V387- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 4 |
| Transmission hydraulic pump relay -J510- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 5 | Clutch position sensor -G476- <ul style="list-style-type: none"> ◆ Manual/Automatic R Tronic Transmission 086 ⇒ page 6 | DSG transmission Mechatronic -J743- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 8 |
| DSG transmission Mechatronic 2 -J1006- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 9 <p style="font-size: small; margin-left: 20px;">Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability</p> | Parking lock sensor -G747- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 10 | Hydraulic stabilizer decoupling unit pressure sensor -G486- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 10 |
| Parking lock solenoid valve -N573- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 10 | Clutch cooling valve 2 -N448- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 11 | Parking lock solenoid valve 2 -N574- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 11 |
| Clutch temperature sensor 2 -G659- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 12 | Clutch temperature sensor 1 -G658- <ul style="list-style-type: none"> ◆ Automatic DSG Transmission 0BZ ⇒ page 12 | |

1.1 Manual/Automatic R Tronic Transmission 086

Transmission Sensors

1 - Transmission Input Speed (RPM) Sensor -G182-

◆ Location: On the rear of the transmission

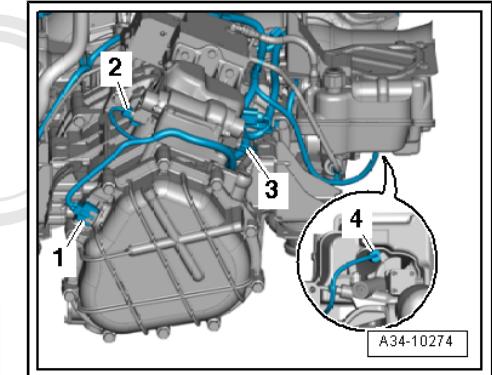
2 - Gear Recognition Sensor 2 -G616-

3 - Gear Recognition Sensor -G604-

◆ Location: On the R tronic shift actuator



Ignore -4-

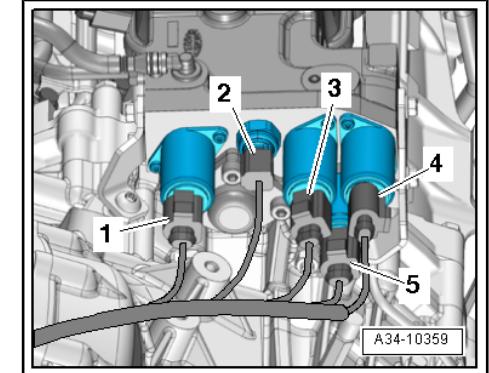
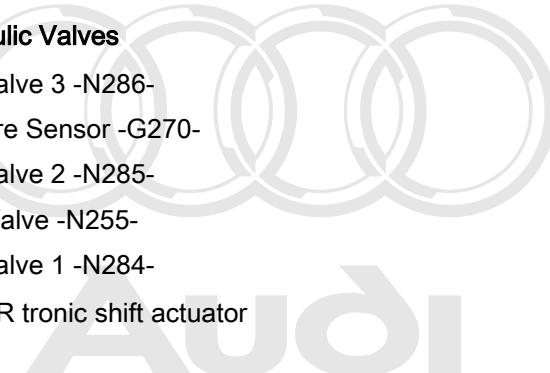


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Transmission Hydraulic Valves

- 1 - Gear Selection Valve 3 -N286-
 - 2 - Hydraulic Pressure Sensor -G270-
 - 3 - Gear Selection Valve 2 -N285-
 - 4 - Clutch Actuator Valve -N255-
 - 5 - Gear Selection Valve 1 -N284-
- ◆ Location: On the R tronic shift actuator



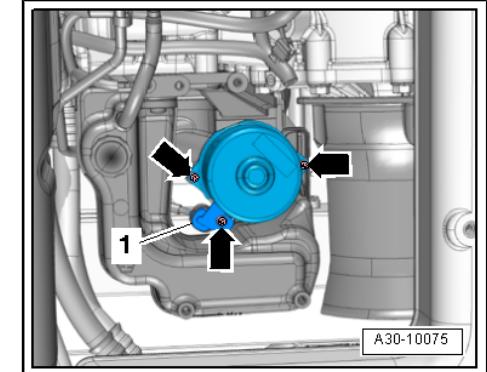
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Transmission Hydraulic Pump

1 - Transmission Hydraulic Pump -V387-

- ◆ Location: At the right on the transmission on the R tronic hydraulic unit.

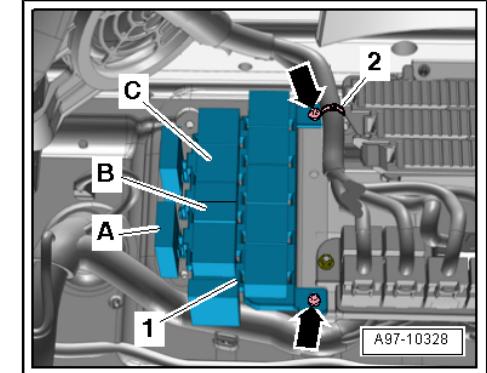


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Transmission Hydraulic Pump Relay

The Transmission Hydraulic Pump Relay -J510- is in the relay carrier under the rear shelf



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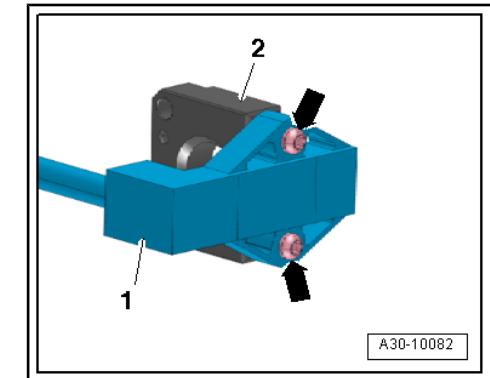


Clutch Position Sensor

1 - Clutch Position Sensor -G476-

2 - Mounting Bracket

◆ Location: inside the clutch housing



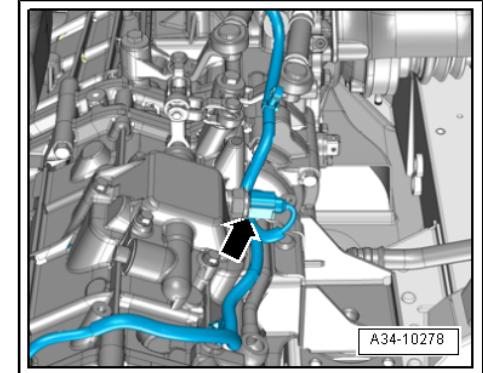
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Back-Up Light Switch

ARROW - Back-Up Light Switch -F4-

- ◆ Location : at shifter input housing



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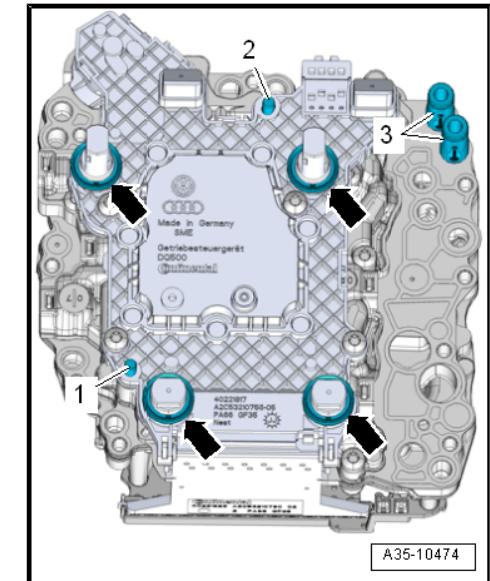
1.2 Automatic DSG Transmission 0BZ

DSG transmission Mechatronic -J743-

In the rear and on the left side of the transmission.

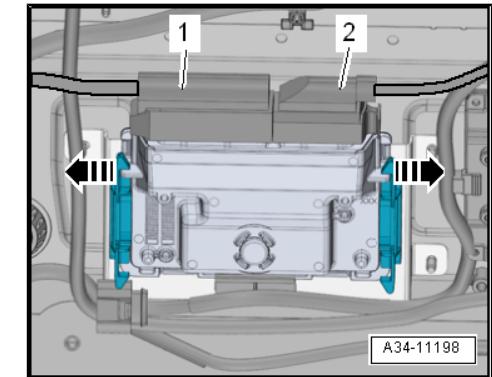
Includes:

- ◆ Transmission fluid temperature sensor -G93-
- ◆ Gear position distance sensor 1 -G487-
- ◆ Gear position distance sensor 2 -G488-
- ◆ Gear position distance sensor 3 -G489-
- ◆ Gear position distance sensor 4 -G490-
- ◆ Hydraulic pressure sensor 1 -G545-
- ◆ Hydraulic pressure sensor 2 -G546-
- ◆ Transmission input speed sensor 2 -G612-
- ◆ Transmission input speed sensor 1 -G632-
- ◆ Sub-transmission 1 valve 1 -N433-
- ◆ Sub-transmission 1 valve 2 -N434-
- ◆ Sub-transmission 1 valve 3 -N435-
- ◆ Sub-transmission 1 valve 4 -N436-
- ◆ Sub-transmission 2 valve 1 -N437-
- ◆ Sub-transmission 2 valve 2 -N438-
- ◆ Sub-transmission 2 valve 3 -N439-
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- ◆ Sub-transmission 2 valve 4 -N440-
- ◆ Clutch cooling valve 1 -N447-
- ◆ Main pressure valve -N472-



DSG transmission Mechatronic 2 -J1006-

- ◆ Coupe installed location: behind the passenger seat underneath the rear shelf.
- ◆ Spyder installed location: behind the passenger seat behind the rear wall trim panel.



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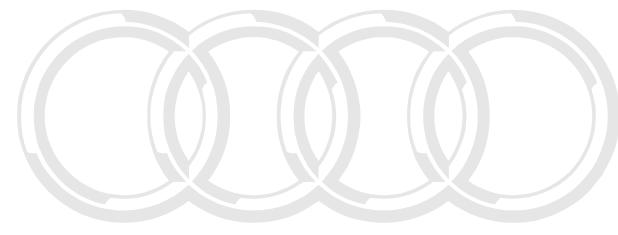
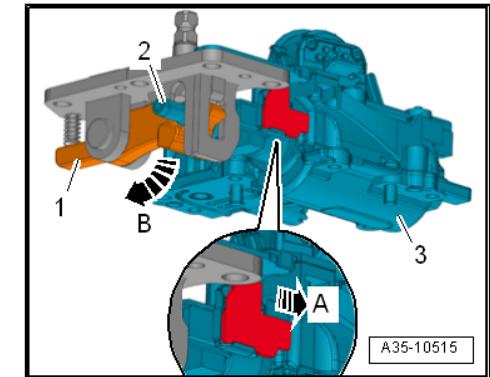
erWin

Parking Lock

Installed location: on top of the transmission housing.

Includes:

- ◆ Parking lock sensor -G747-
- ◆ Hydraulic stabilizer decoupling unit pressure sensor -G486-
- ◆ Parking lock solenoid valve -N573-



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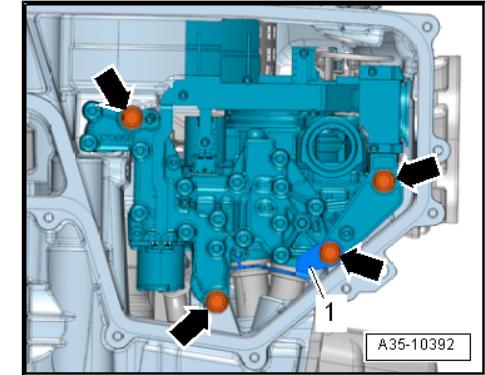
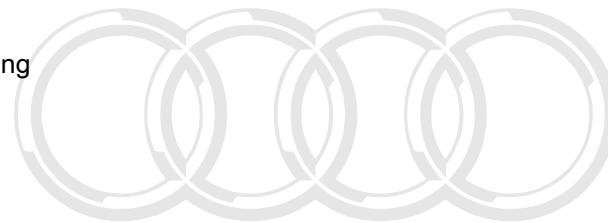
erWin

ATF Pump

Installed location: under the transmission housing

Includes:

- ◆ Clutch cooling valve 2 -N448-
- ◆ Parking lock solenoid valve 2 -N574-



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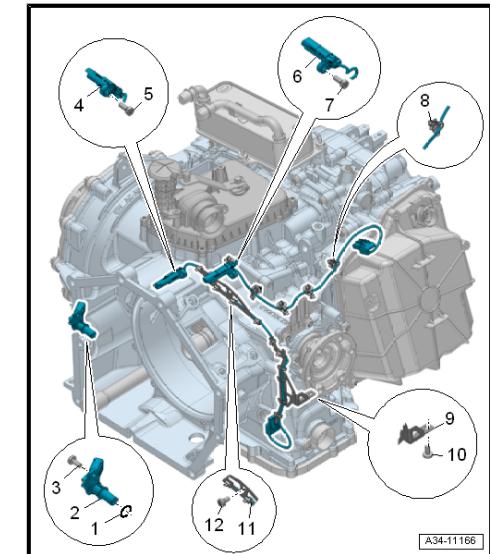


Transmission Housing Sensor Overview

2 - Engine speed sensor -G28-

4 - Clutch temperature sensor 2 -G659- [⇒ page 13](#)

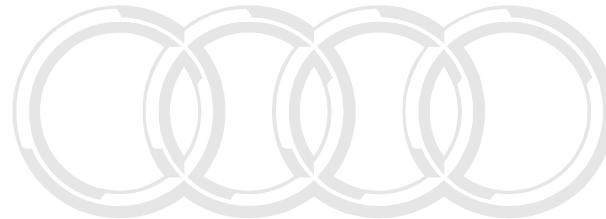
6 - Transmission input speed sensor -G182- / Clutch temperature sensor 1 -G658- [⇒ page 14](#)



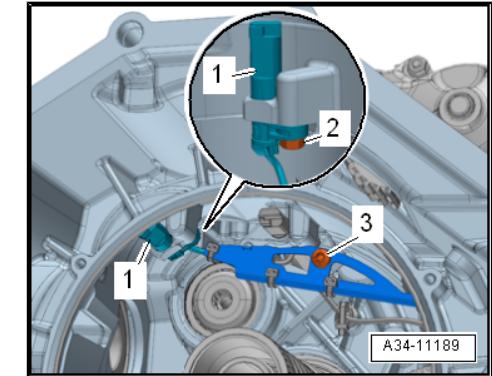
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Clutch temperature sensor 2 -G659-

Installed location: in the transmission housing behind the dual clutch.



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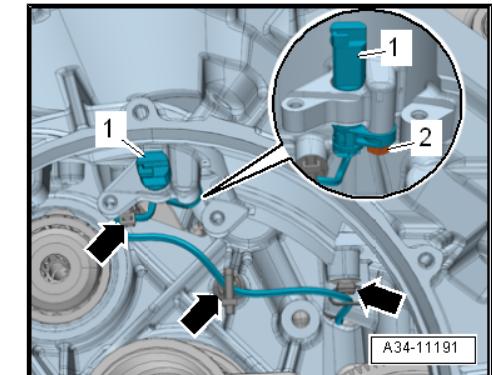


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Transmission input speed sensor -G182- / Clutch temperature sensor 1 -G658-

Installed location: in the transmission housing behind the dual clutch.



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1.3 Selector Lever

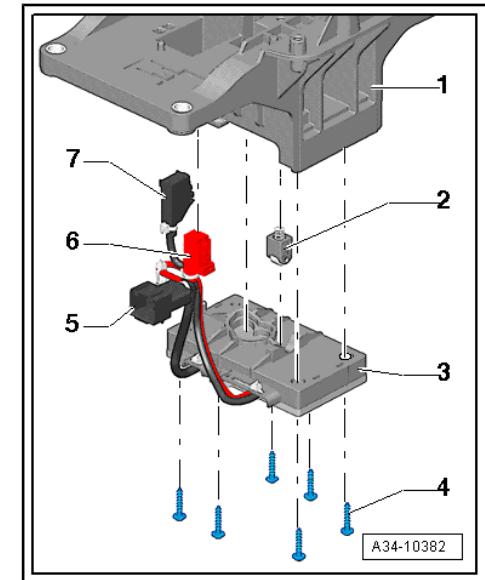
Selector Lever Sensor System Control Module

3 - Selector Lever Sensor System Control Module -J587-

- ◆ Location: in the shift mechanism -1-


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1 Component Locations: Tire Pressure Monitor Systems (TPMS)

1.1 Tire Pressure Monitoring System Component Overview

1 - Tire Pressure Monitoring Sensor

- Left Front Tire Pressure Monitoring Sensor -G222-
- Right Front Tire Pressure Monitoring Sensor -G223-
- Left Rear Tire Pressure Monitoring Sensor -G224-
- Right Rear Tire Pressure Monitoring Sensor -G225-

2 - Right Front Tire Pressure Monitoring Antenna -R60-

- Component location: Right front longitudinal member on the outer side

3 - Right Rear Tire Pressure Monitoring Antenna -R62-

- Component location: Right rear longitudinal member on the outer side

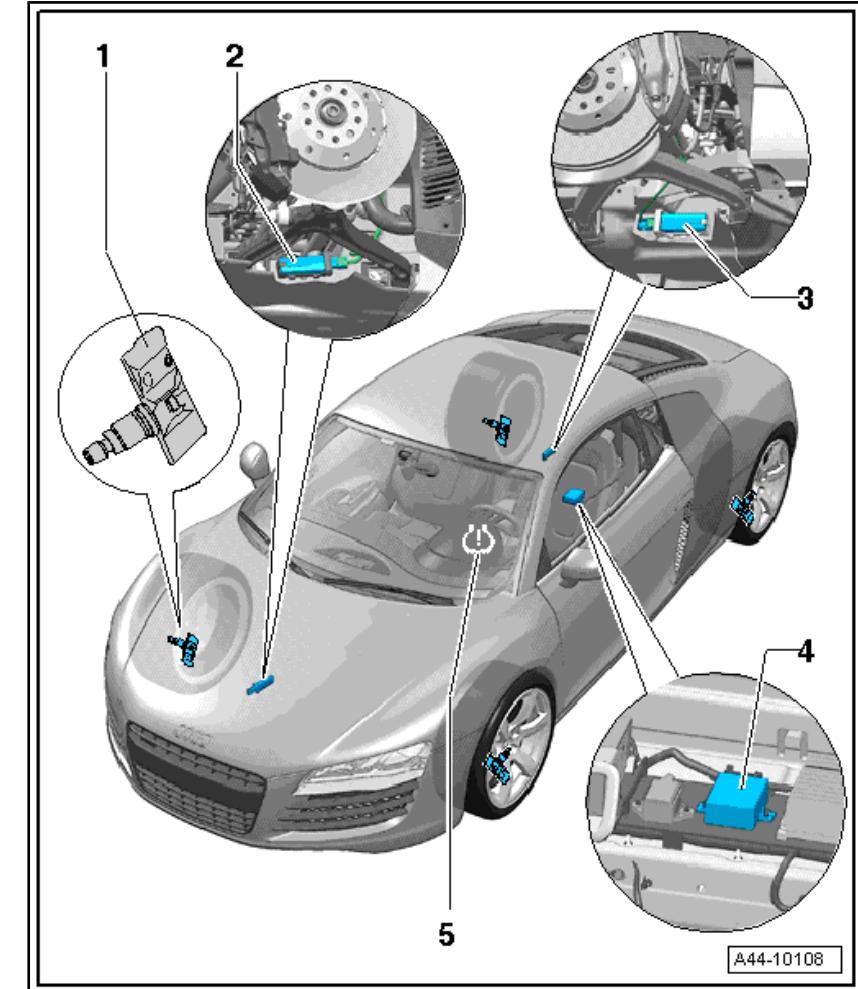
4 - Tire Pressure Monitoring Control Module -J502-

- Component location: Behind the rear shelf on the left side

5 - Display in instrument cluster



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1 Component Locations: Central Locking / Anti-Theft Systems

- ◆ Central Locking System Component Locations [⇒ page 2](#)
- ◆ Ultrasonic Interior Monitoring Component Locations [⇒ page 10](#)



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1.1 Central Locking System Component Locations

1 - Trunk Lock/Alarm/Central Locking Switch -F124-

- Installation location in the lid lock [⇒ page 5](#)

2 - Rear Lid Central Locking System Motor -V53- / Front Hood Release Motor -V394-

- With Rear lid lock unit -F256- / Front Hood Contact Switch -F387-
- Installation location in the lid lock [⇒ page 6](#)

3 - Central Locking -SAFE- Indicator Lamp -K133-

4 - Front Passenger Door Control Module -J387-

5 - Anti-Theft Alarm System Sensor -G578-

- In overhead light assembly [⇒ Item 6 \(page 10\)](#)

6 - Fuel Tank Lid Unlock Motor -V155-

- Installation location in the lid lock [⇒ page 3](#)

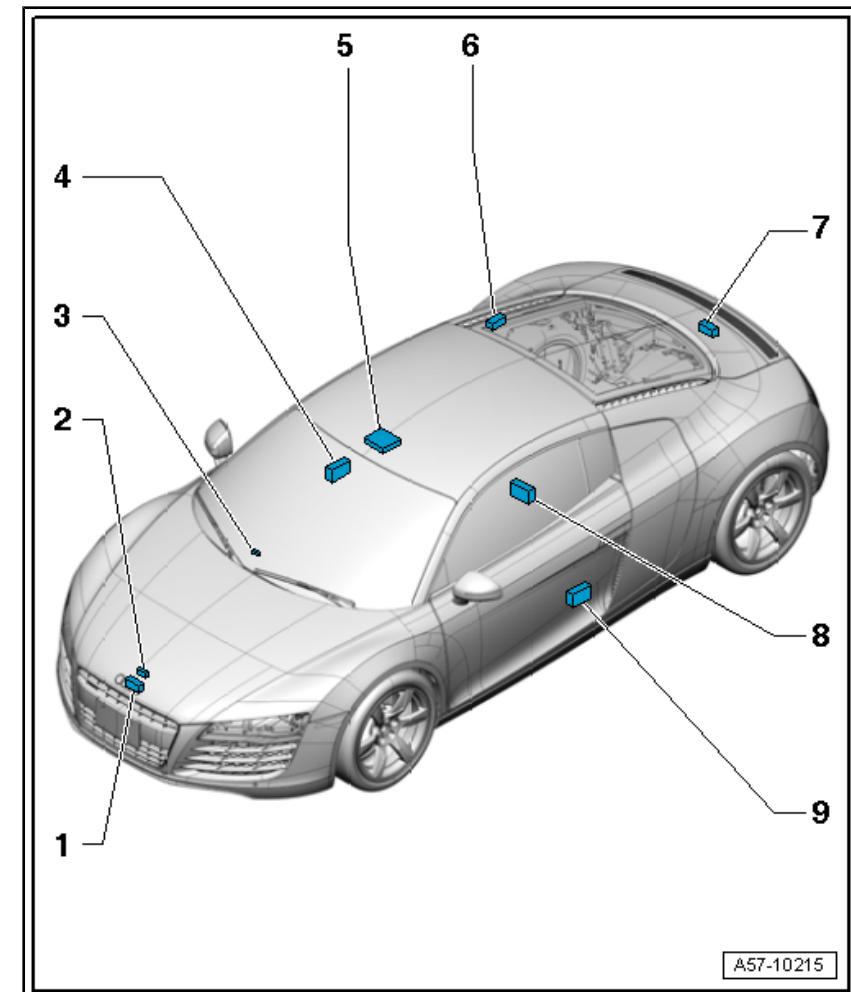
7 - Front Hood Switch -F266-

- Installation location in the lid lock [⇒ page 7](#)

8 - Comfort System Central Control Module -J393-

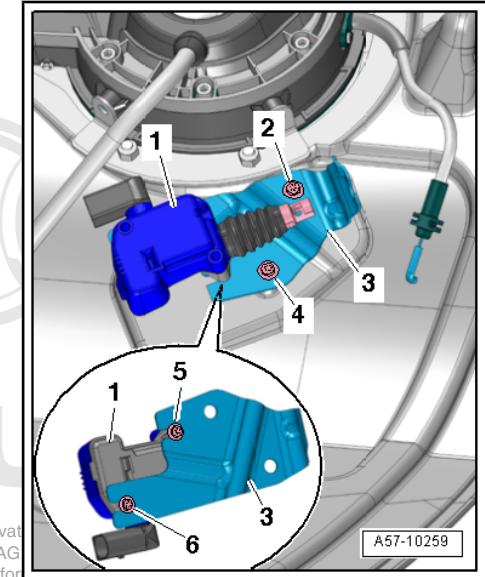
9 - Driver Door Control Module -J386-

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Fuel tank lid unlock motor

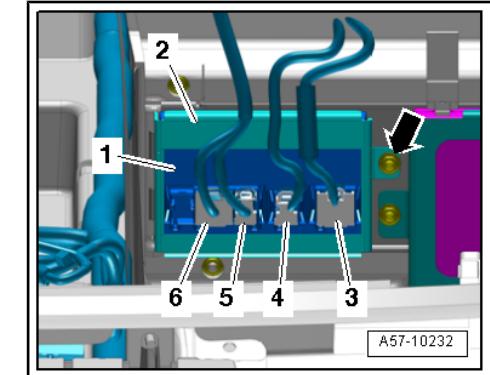
-1- Fuel Tank Lid Unlock Motor -V155-



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Comfort system central control module

-1- Comfort System Central Control Module -J393-

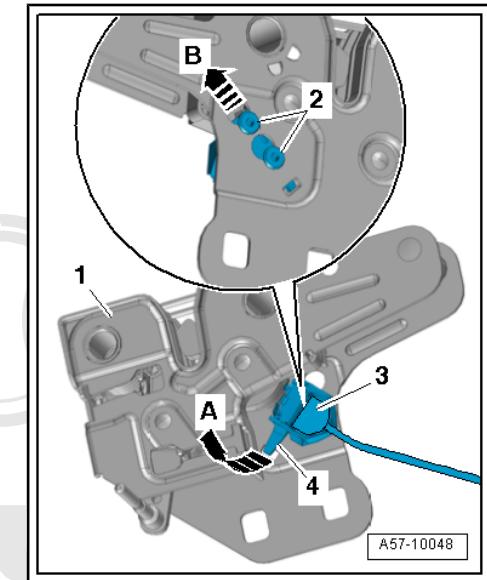


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Trunk Lock/Alarm/Central Locking Switch

-3- Trunk Lock/Alarm/Central Locking Switch -F124-



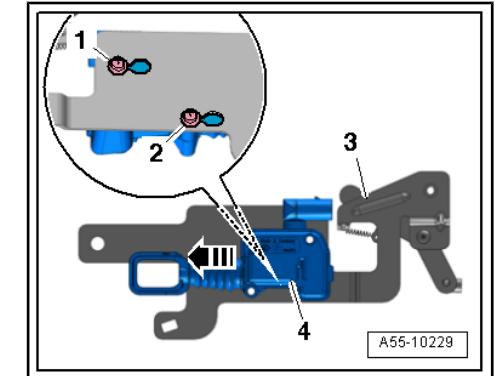
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Rear Lid Central Locking System Motor

-4- Rear Lid Central Locking System Motor -V53- / Front Hood Release Motor -V394-

With Rear lid lock unit -F256- / Front Hood Contact Switch -F387-



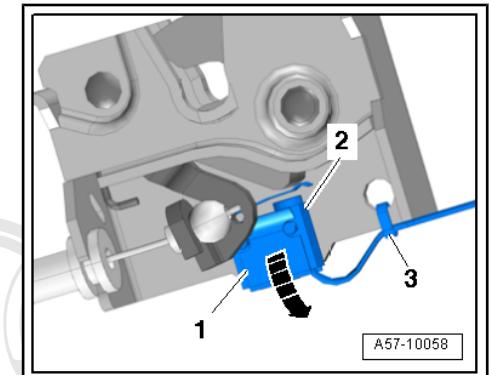
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Front Hood Switch

-2- Front Hood Switch -F266-


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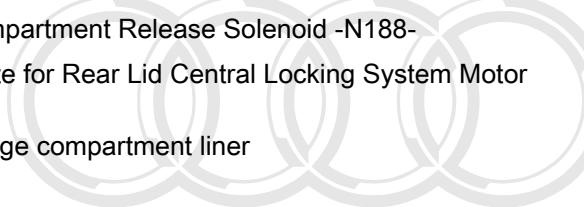


Interior Luggage Compartment Emergency Release

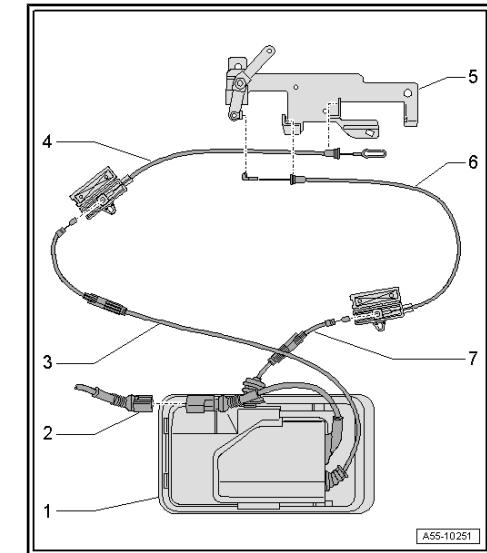
1 - Luggage Compartment Release Solenoid -N188-

5 - Retaining plate for Rear Lid Central Locking System Motor
-V53-

Behind the luggage compartment liner


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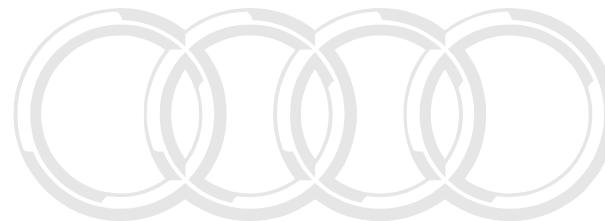
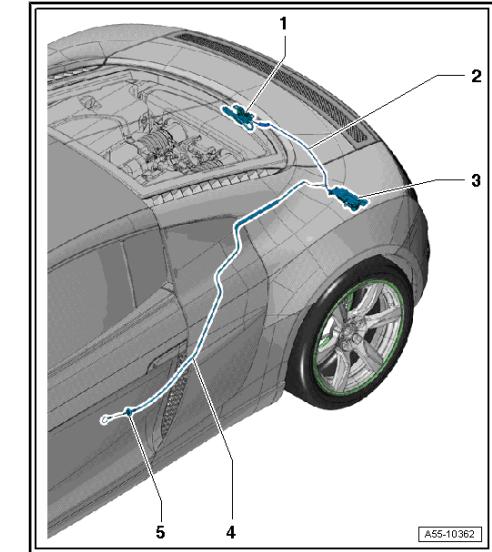
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Rear Lid Unlock Motor

1 - Rear Lid Lock

3 - Rear Lid Unlock Motor -V139-

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1.2 Ultrasonic Interior Monitoring Component Locations

1 - Electrical Connection

2 - Alarm Horn -H12-

- Location view [⇒ page 11](#)

3 - Nut

4 - Comfort System Central Control Module -J393-

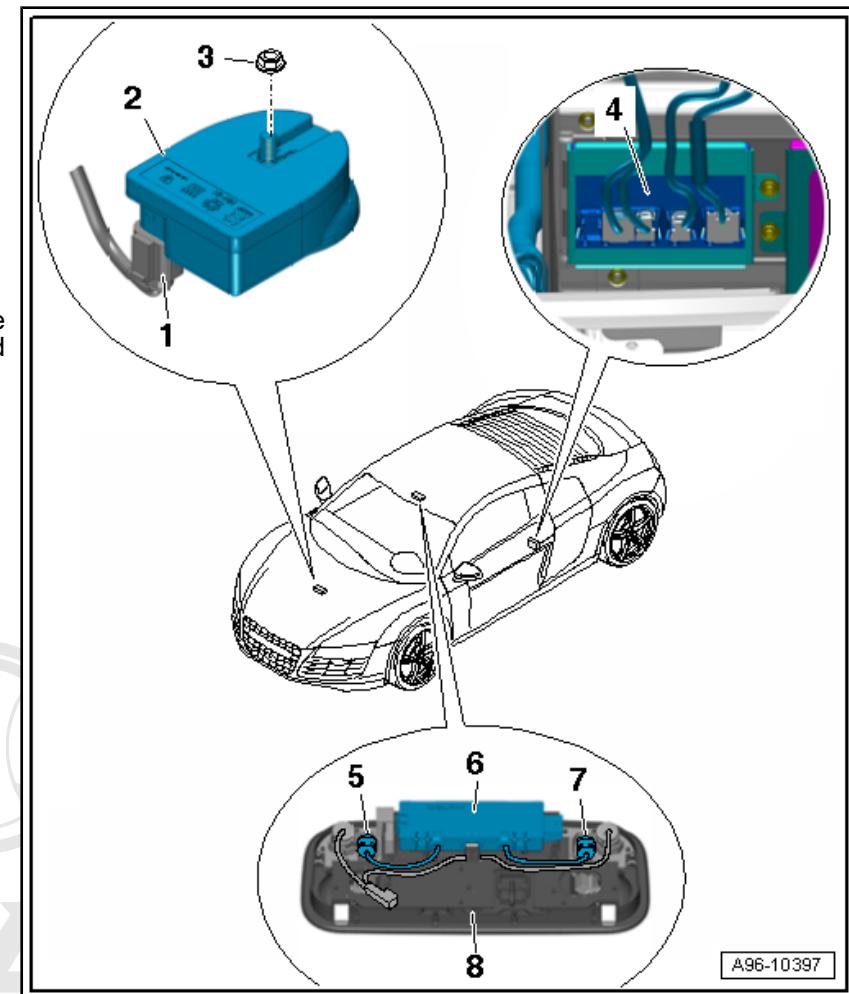
5 - Right Interior Monitoring Individual Sensor

6 - Anti-Theft Alarm System Sensor -G578-

- Has Radar Interior Monitoring Control Module 1 -G303- / Inclination-/Anti-Theft Control Module -J529- , Interior Monitoring Sensor -G273- , and Vehicle Inclination Sensor -G384- integrated in one component

7 - Left Interior Monitoring Individual Sensor

8 - Front Interior Light -W1-

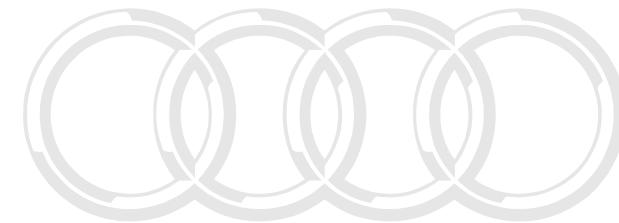
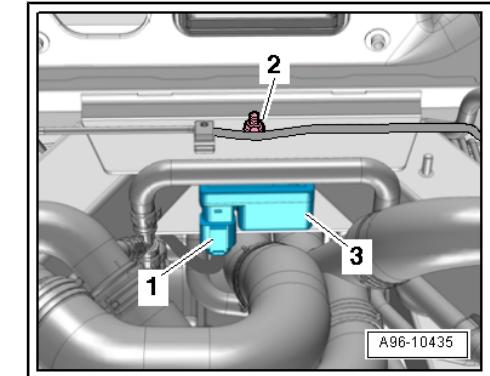


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Alarm Horn

-3- Alarm Horn -H12-



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1 Component Locations: Comfort System

- ◆ Seat Electrical Components Overview [⇒ page 2](#)
- ◆ Seat Heater Components [⇒ page 4](#)
- ◆ Horns Overview [⇒ page 6](#)
- ◆ Engine Compartment Lid Spoiler Assembly Overview [⇒ page 7](#)
- ◆ Interior Rearview Mirror Assembly Overview [⇒ page 8](#)



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1.1 Seat Electrical Components Overview

1 - Seat Inclination Adjustment Motor

- Driver Seat Angle Adjustment Motor -V243-
- Front Passenger Seat Angle Adjustment Motor -V244-

2 - Seat Forward/Back Adjustment Motor -V288-

3 - Backrest Adjustment Motor

- Driver Backrest Adjustment Motor -V45-
- Front Passenger Backrest Adjustment Motor -V46-

4 - Lumbar Support Height Adjustment Motor

- Driver Seat Lumbar Support Height Adjustment Motor -V129-
- Front passenger Seat Lumbar Support Height Adjustment Motor -V130-

5 - Lumbar Support Curvature Adjustment Motor

- Driver Seat Lumbar Support Curvature Adjustment Motor -V125-
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- Front Passenger Seat Lumbar Support Curvature Adjustment Motor -V126-

6 - Backrest Stop Switch

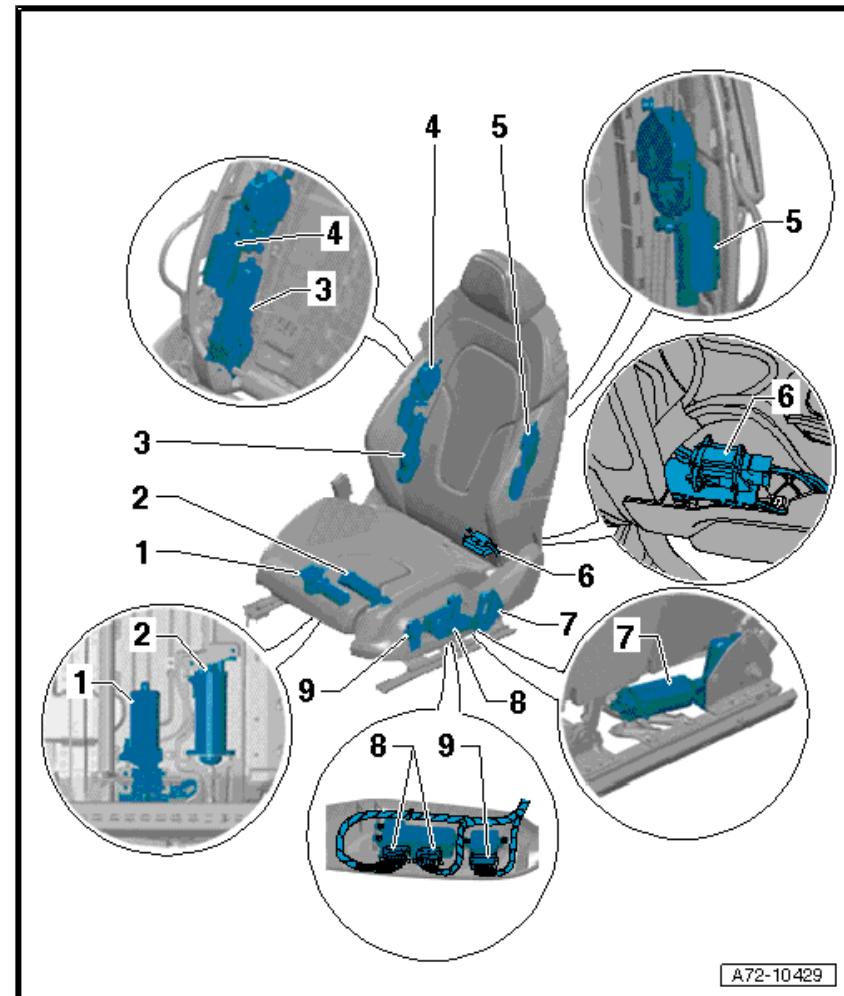
- Driver Backrest Stop Switch -E69-
- Front Passenger Backrest Stop Switch -E70-

7 - Seat Height Adjustment Motor

- Driver Seat Height Adjustment Motor -V245-
- Front Passenger Seat Height Adjustment Motor -V246-

8 - Seat Fore/Aft, Inclination, Height and Backrest Adjustment Switch

- Driver Seat Forward/Back Adjustment Switch -E363-
- Driver Backrest Adjustment Switch -E96-
- Driver Seat Angle Adjustment Switch -E222-
- Driver Seat Height Adjustment Switch -E364-
- Front Passenger Seat Forward/Back Adjustment Switch -E64-
- Passenger Backrest Adjustment Switch -E98-
- Front Passenger Seat Tilt Adjustment Button -E334-
- Front Passenger Seat Height Adjustment Switch -E365-



9 - Lumbar Support Adjustment Switch

- Driver Seat Lumbar Support Adjustment Switch -E176-
- Front Passenger Seat Lumbar Support Adjustment Switch -E177-



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1.2 Seat Heater Components

The complete seat heater (bottom cushion and backrest) assemblies are :

- ◆ Left Front Heated Seat -Z45-
- ◆ Right Front Heated Seat -Z46-

Seat Back

1 - Wiring

- Connected to the backrest heating element

2 - Backrest Side Bolster

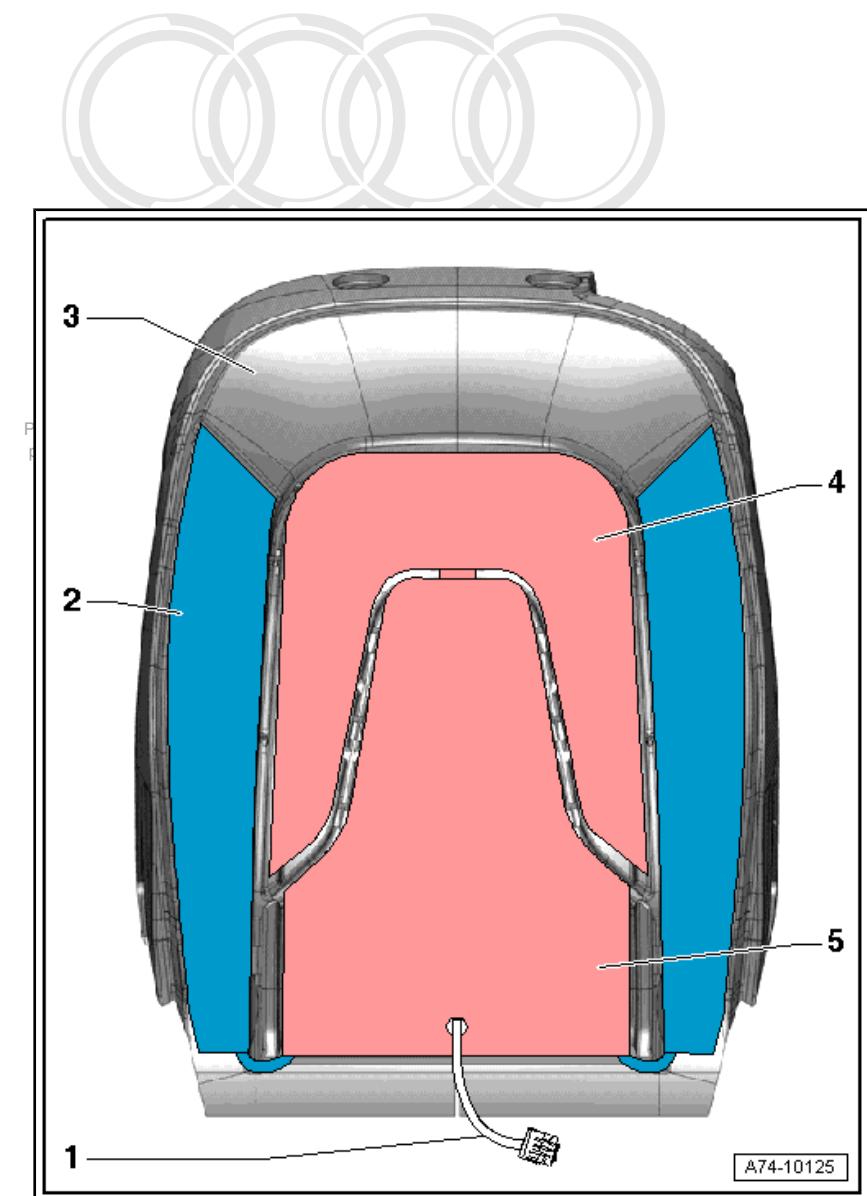
3 - Cushion

4 - Upper Backrest Heating Element

- Driver Backrest Heating Element -Z7-
- Front Passenger Backrest Heating Element -Z9-

5 - Lower Backrest Heating Element

- Driver Backrest Heating Element -Z7-
- Front Passenger Backrest Heating Element -Z9-



Seat Bottom**1 - Cushion**

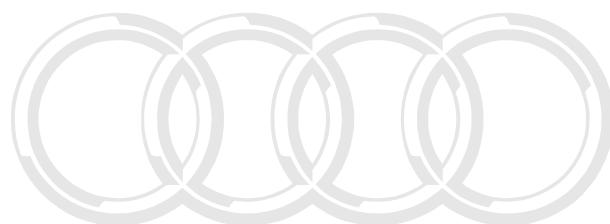
- For seat pan

2 - Seat Heating Elements

- ◆ Driver Seat Heating Element -Z6- with Left Front Seat Temperature Sensor -G344-
- ◆ Front Passenger Seat Heating Element -Z8- with Right Front Seat Temperature Sensor -G345-

3 - Wiring

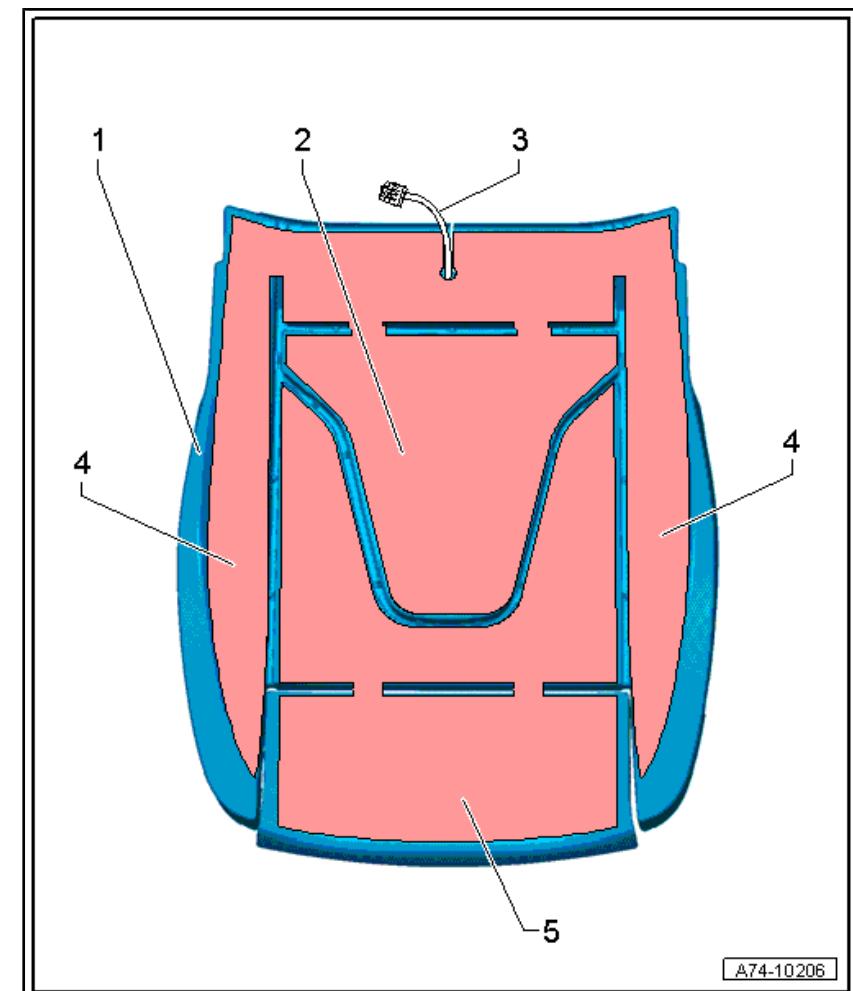
- Connected to the backrest heating element

4 - Seat Side Bolster**5 - Heating Element, Seat Cushion Extension**

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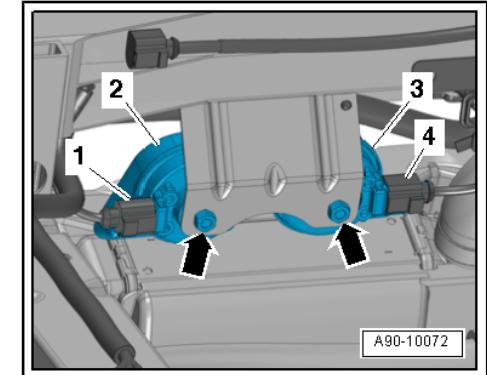
1.3 Horns Overview

Horns

2 - High Tone Horn -H2-

3 - Low Tone Horn -H7-

Behind front luggage compartment liner



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1.4 Engine Compartment Lid Spoiler Assembly Overview

2 - Mount With Drive Unit

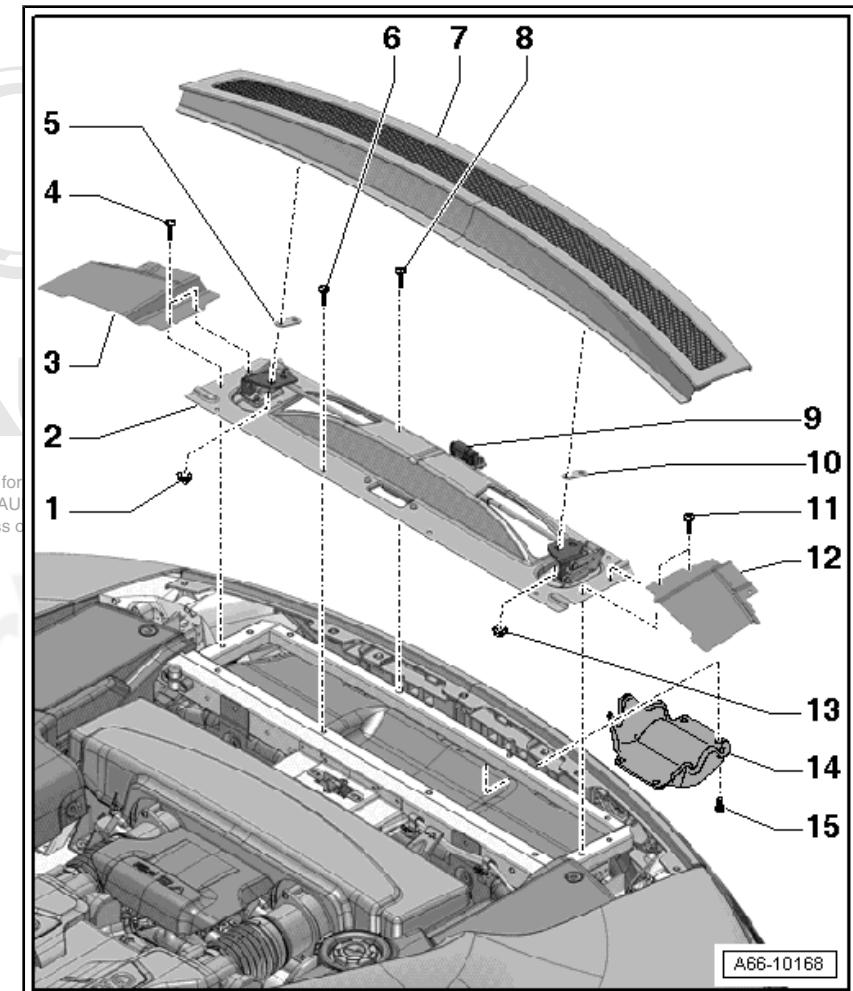
- Rear Spoiler Motor -V52- contains :
 - ◆ Rear Spoiler Stop Switch 1 -F135-
 - ◆ Rear Spoiler Stop Switch 2 -F136-

7 - Rear Spoiler

9 - Electrical Connection for Rear Spoiler Motor -V52-



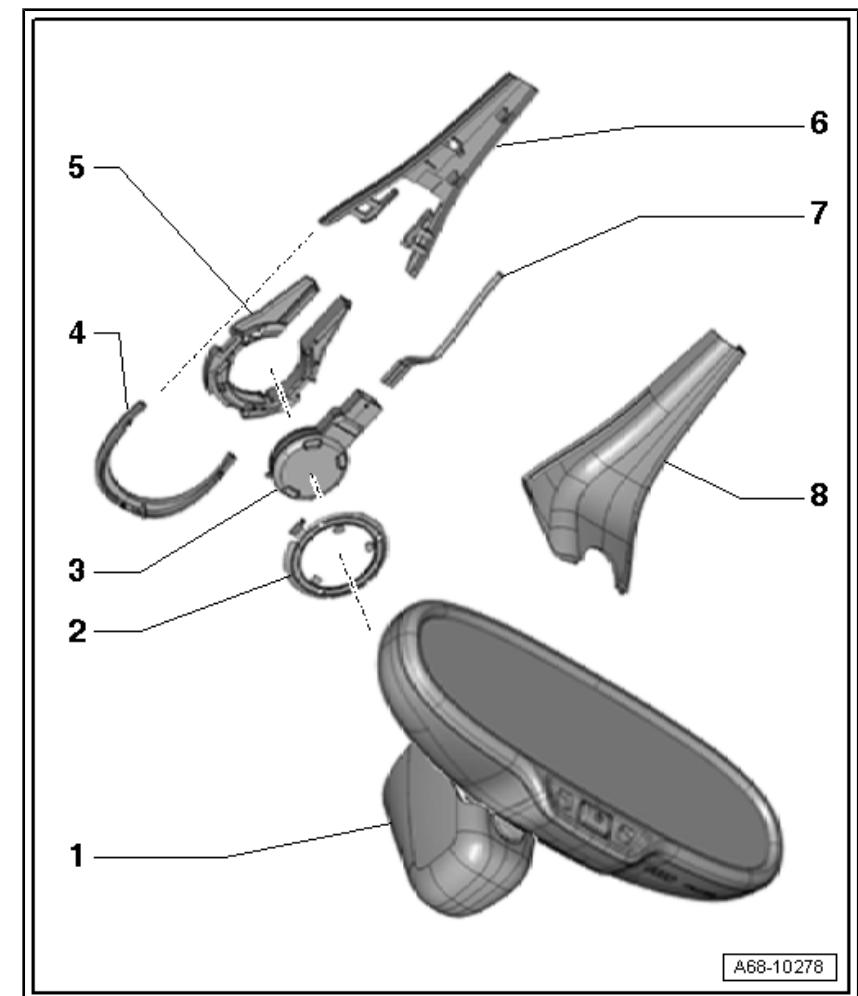
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1.5 Interior Rearview Mirror Assembly Overview

1 - Interior Rearview Mirror

3 - Rain/Light Recognition Sensor -G397-



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Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Audi retailer or other qualified shop. We especially urge you to consult an authorized Audi retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Audi.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Audi is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Audi retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.

Cautions & Warnings

- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.
- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly, do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Audi specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to **loosen threaded parts and fasteners**. **Never use these tools to tighten fasteners, especially on light alloy parts.** **Always use a torque wrench to tighten fasteners to the tightening torque listed.**
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.

Cautions & Warnings

- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Audi Service technicians should test, disassemble or service the airbag system.
- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Audi Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.



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