

Audi A6

Current Flow Diagram

No. 10 / 1

04.2013

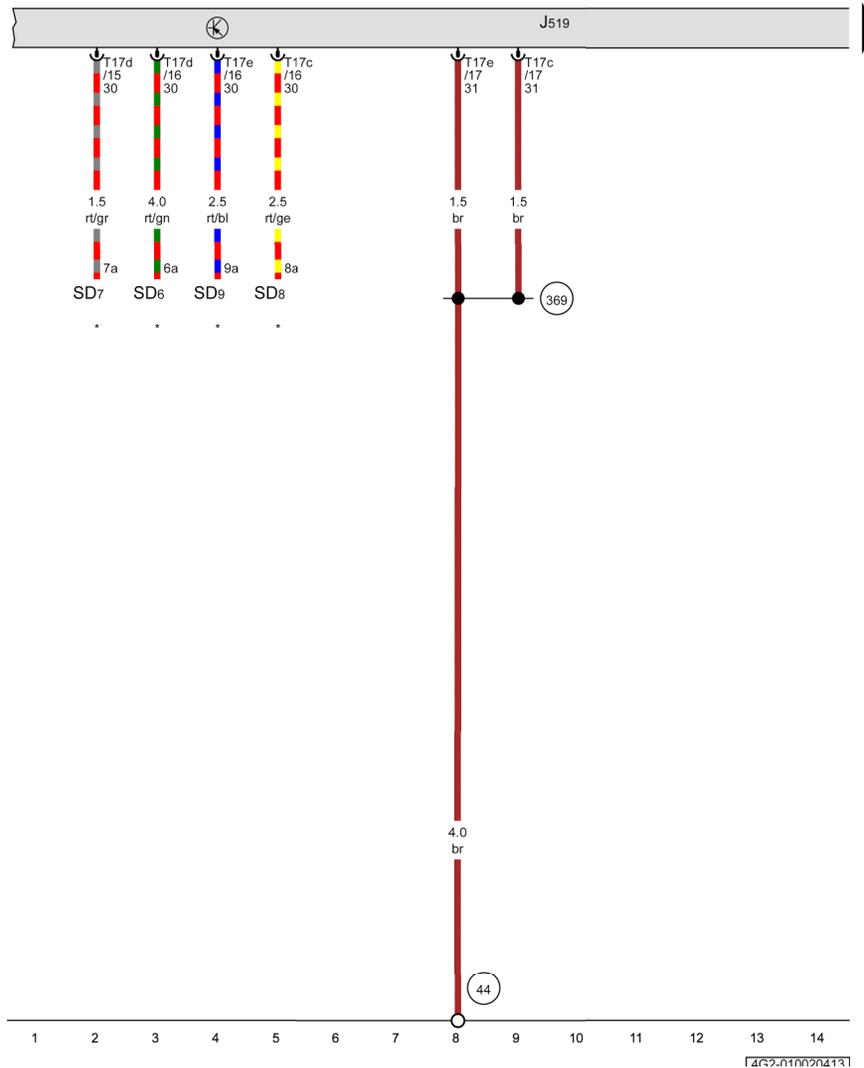
**Gas discharge headlights (bi-xenon) with automatic headlight range control, cornering light, LED
daytime running lights**

From January 2011

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Current Flow Diagram

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Onboard supply control unit

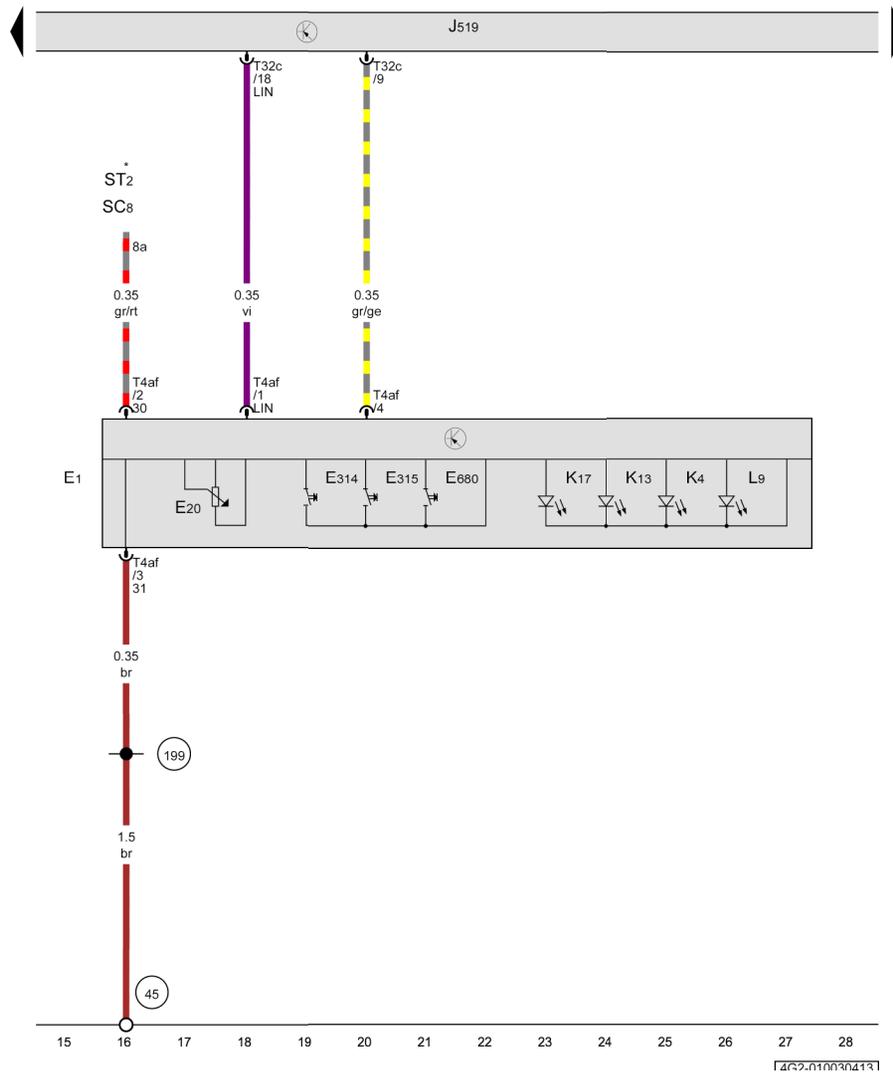
- J519 - Onboard supply control unit
- SD6 - Fuse 6 on fuse holder D
- SD7 - Fuse 7 on fuse holder D
- SD8 - Fuse 8 on fuse holder D
- SD9 - Fuse 9 on fuse holder D
- T17c - 17-pin connector
- T17d - 17-pin connector
- T17e - 17-pin connector
- 44 - Earth point, lower part of left A-pillar
- 369 - Earth connection 4, in main wiring harness
- * - see applicable current flow diagram for fuse assignment

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

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Current Flow Diagram

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Light switch, Onboard supply control unit

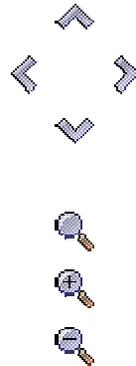
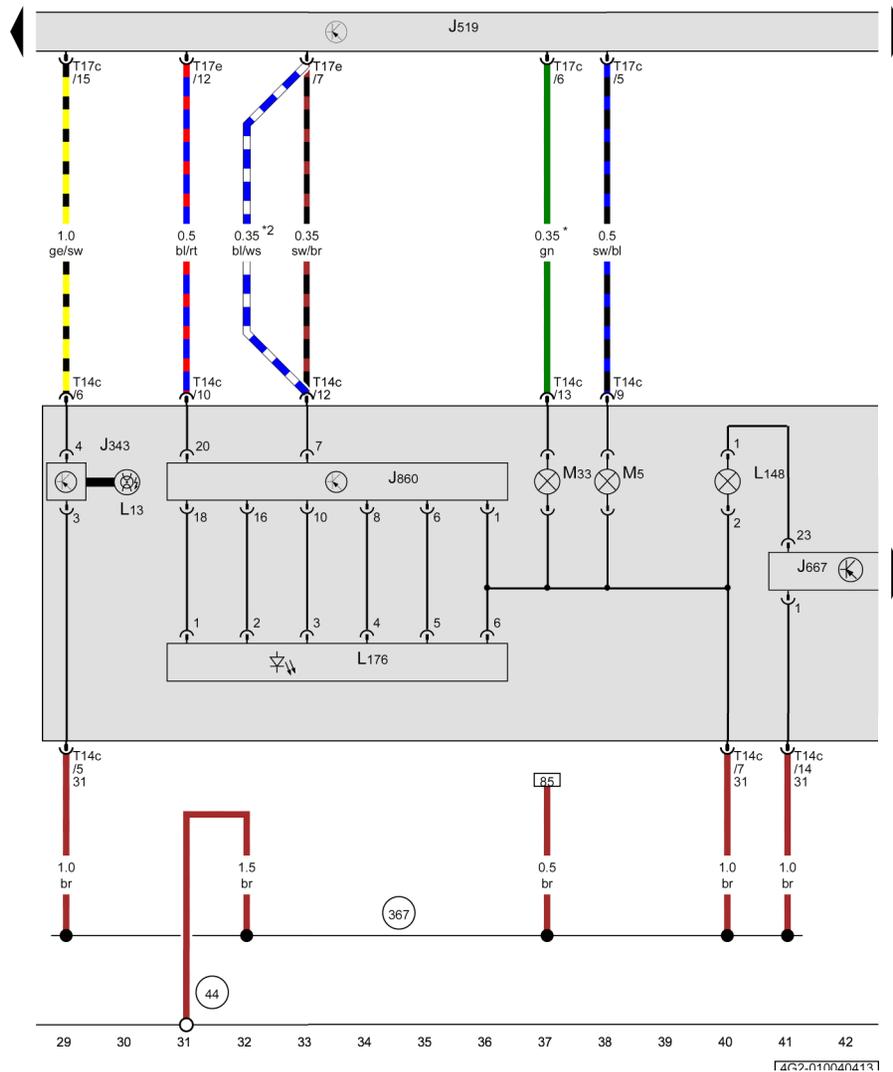
- E1 - Light switch
- E20 - Switch and instrument illumination regulator
- E314 - Rear fog light button
- E315 - Fog light button
- E680 - Button for night vision system
- J519 - Onboard supply control unit
- K4 - Side light warning lamp
- K13 - Rear fog light warning lamp
- K17 - Fog light warning lamp
- L9 - Light switch illumination bulb
- ST2 - Fuse carrier 2
- SC8 - Fuse 8 on fuse holder C
- T4af - 4-pin connector
- T32c - 32-pin connector
- 45 - Earth point, centre behind dash panel
- 199 - Earth connection 3, in dash panel wiring harness
- * - see applicable current flow diagram for fuse assignment

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

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Current Flow Diagram

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

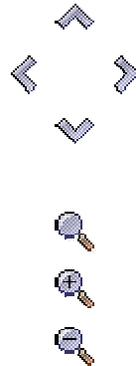
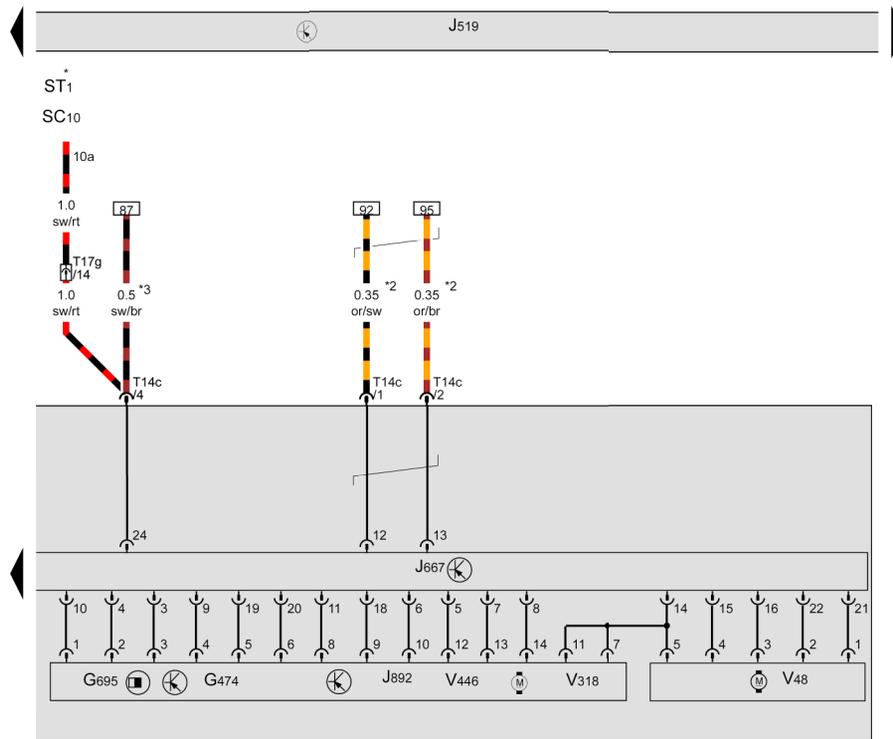
Left gas discharge bulb control unit, Onboard supply control unit, Output module for left headlight, Left cornering light bulb, Left LED module for daytime running light and side light, Front left turn signal bulb, Front left side marker bulb

- J343 - Left gas discharge bulb control unit
- J519 - Onboard supply control unit
- J667 - Output module for left headlight
- J860 - Control unit for left daytime running light and side light
- L13 - Left gas discharge (xenon) bulb
- L148 - Left cornering light bulb
- L176 - Left LED module for daytime running light and side light
- M5 - Front left turn signal bulb
- M33 - Front left side marker bulb
- T14c - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- 44 - Earth point, lower part of left A-pillar
- 367 - Earth connection 2, in main wiring harness
- * - Only for American markets
- *2 - From June 2011

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Current Flow Diagram

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Onboard supply control unit, Output module for left headlight, Output module 2 for left headlight, Left headlight range control motor

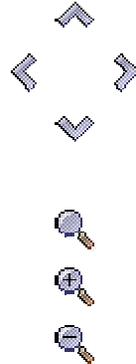
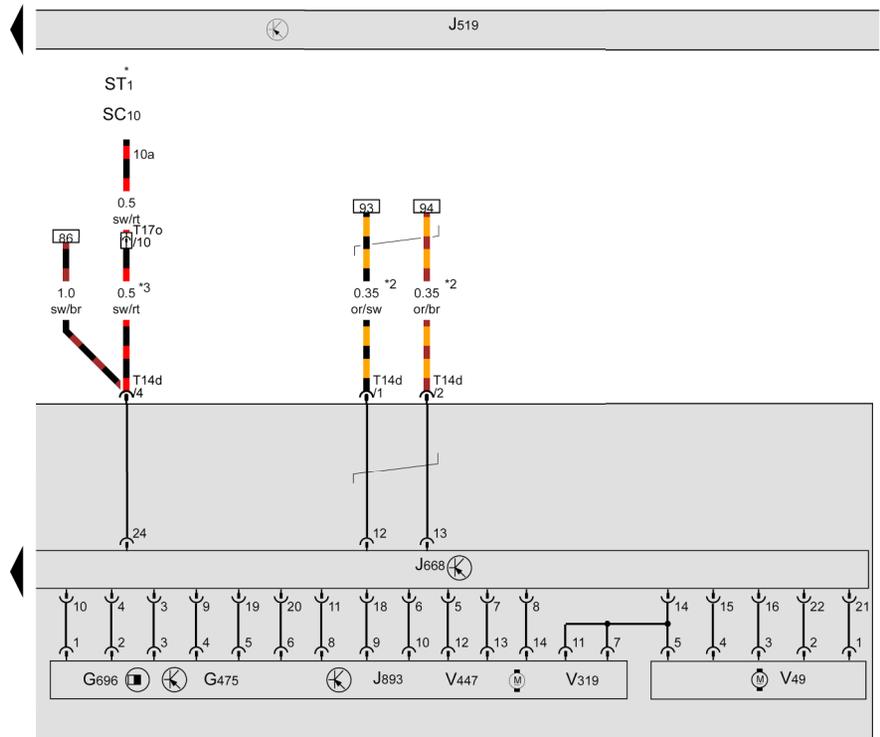
- G474 - Left swivel module position sensor
- G695 - Control motor sender for left VARILIS headlight
- J519 - Onboard supply control unit
- J667 - Output module for left headlight
- J892 - Output module 2 for left headlight
- ST1 - Fuse carrier 1
- SC10 - Fuse 10 on fuse holder C
- T14c - 14-pin connector
- T17g - 17-pin connector, in left A-pillar coupling station
- V48 - Left headlight range control motor
- V318 - Left dynamic cornering light control motor
- V446 - Control motor for left VARILIS headlight
- * - see applicable current flow diagram for fuse assignment
- *2 - Data bus wire (CAN bus)
- *3 - From June 2011

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

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Current Flow Diagram

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Onboard supply control unit, Output module for right headlight, Output module 2 for right headlight, Right headlight range control motor

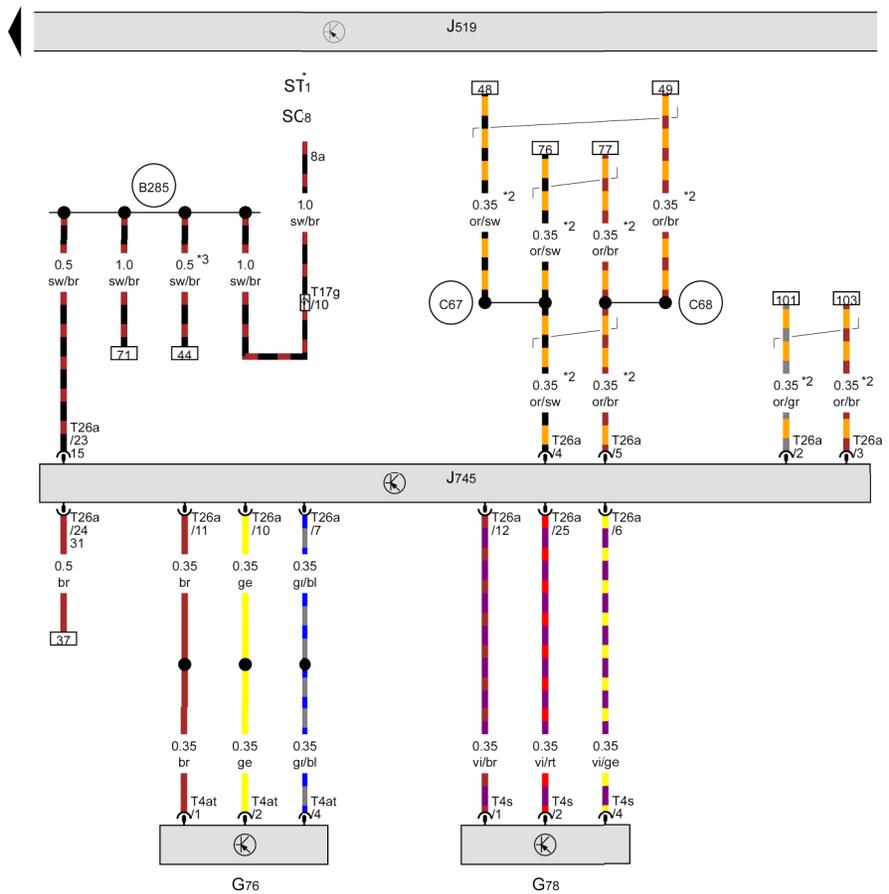
- G475 - Right swivel module position sensor
- G696 - Control motor sender for right VARILIS headlight
- J519 - Onboard supply control unit
- J668 - Output module for right headlight
- J893 - Output module 2 for right headlight
- ST1 - Fuse carrier 1
- SC10 - Fuse 10 on fuse holder C
- T14d - 14-pin connector
- T17o - 17-pin connector, in right A-pillar coupling station
- V49 - Right headlight range control motor
- V319 - Right dynamic cornering light control motor
- V447 - Control motor for right VARILIS headlight
- * - see applicable current flow diagram for fuse assignment
- *2 - Data bus wire (CAN bus)
- *3 - From June 2011

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 bl = blue
 gr = grey
 li = purple
 vi = purple
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Current Flow Diagram

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Rear left vehicle level sender, Front left vehicle level sender, Onboard supply control unit, Control unit for cornering light and headlight range control

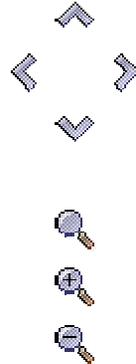
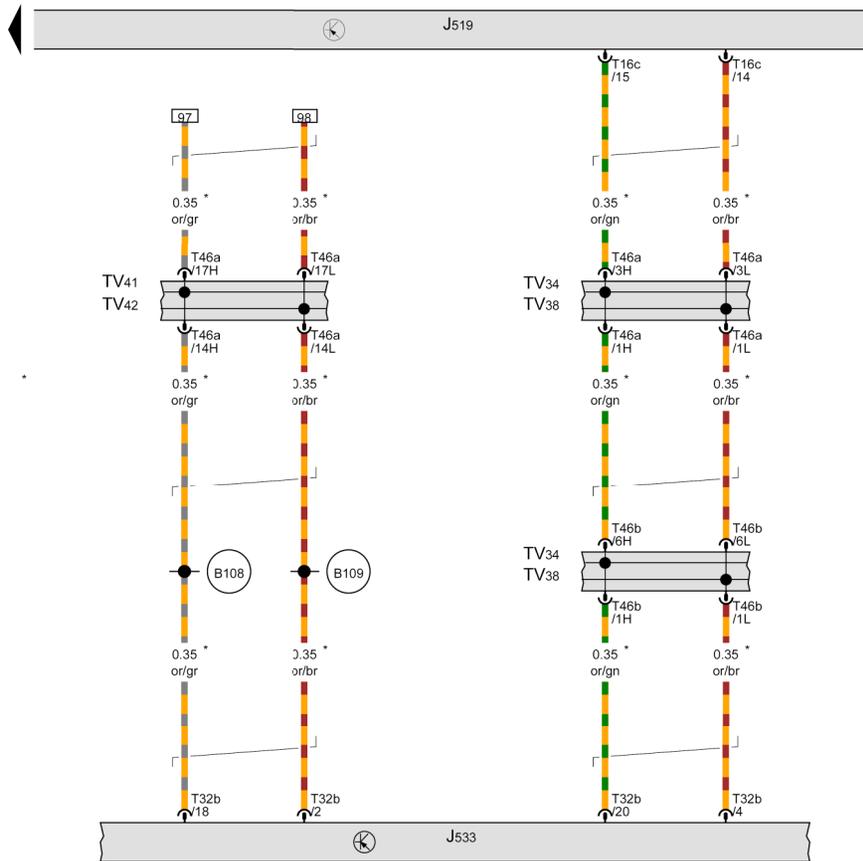
- G76 - Rear left vehicle level sender
- G78 - Front left vehicle level sender
- J519 - Onboard supply control unit
- J745 - Control unit for cornering light and headlight range control
- ST1 - Fuse carrier 1
- SC8 - Fuse 8 on fuse holder C
- T4at - 4-pin connector
- T4s - 4-pin connector
- T17g - 17-pin connector, in left A-pillar coupling station
- T26a - 26-pin connector
- B285 - Positive connection 9 (15a) in main wiring harness
- C67 - Connection (CAN bus, high), in headlight wiring harness
- C68 - Connection (CAN bus, low), in headlight wiring harness
- * - see applicable current flow diagram for fuse assignment
- *2 - Data bus wire (CAN bus)
- *3 - From June 2011

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

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Current Flow Diagram

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Onboard supply control unit, Data bus diagnostic interface, Wiring junction for convenience CAN bus, high, Wiring junction for CAN bus extended high

- J519 - Onboard supply control unit
- J533 - Data bus diagnostic interface
- T16c - 16-pin connector
- T32b - 32-pin connector
- T46a - 46-pin connector
- T46b - 46-pin connector
- TV34 - Wiring junction for convenience CAN bus, high
- TV38 - Wiring junction for convenience CAN bus, low
- TV41 - Wiring junction for CAN bus extended high
- TV42 - Wiring junction for CAN bus extended low
- B108 - Connection 1 (CAN bus extended high), in main wiring harness
- B109 - Connection 1 (CAN bus extended low), 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 = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink