

Audi A6

Current Flow Diagram

No. 49 / 1

05.2012

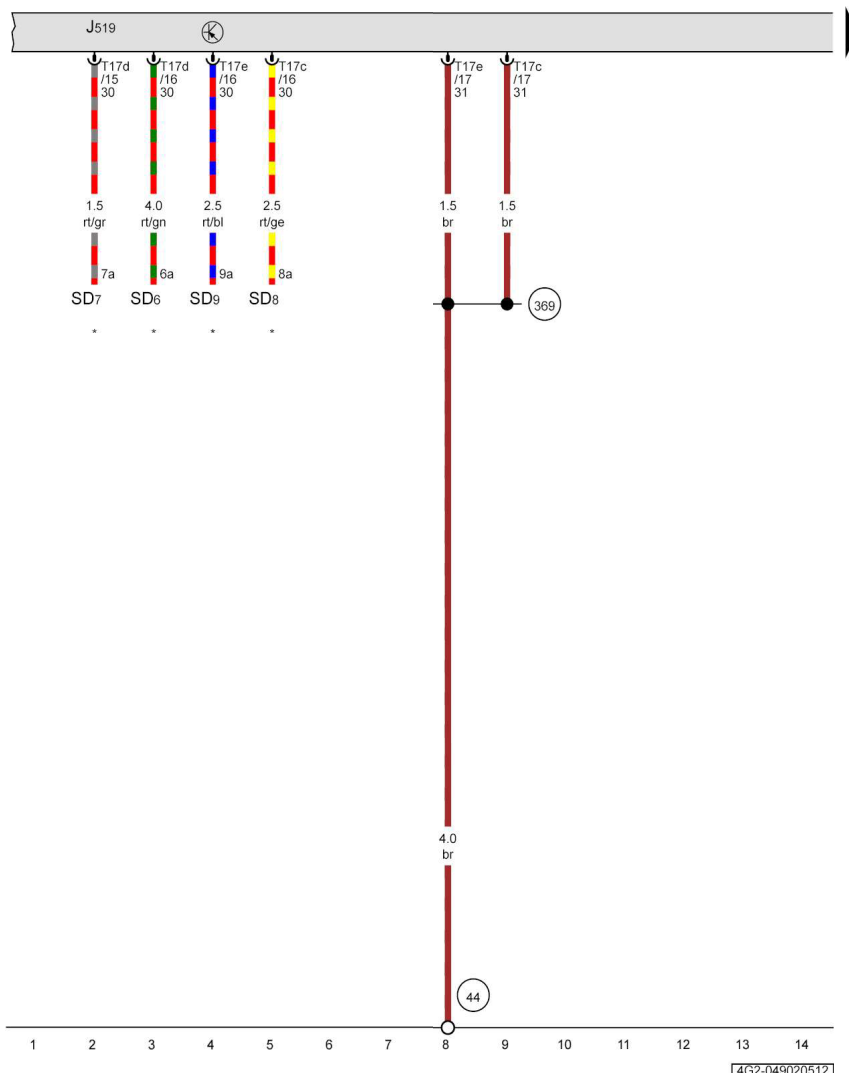
Gas discharge headlights with automatic headlight range control

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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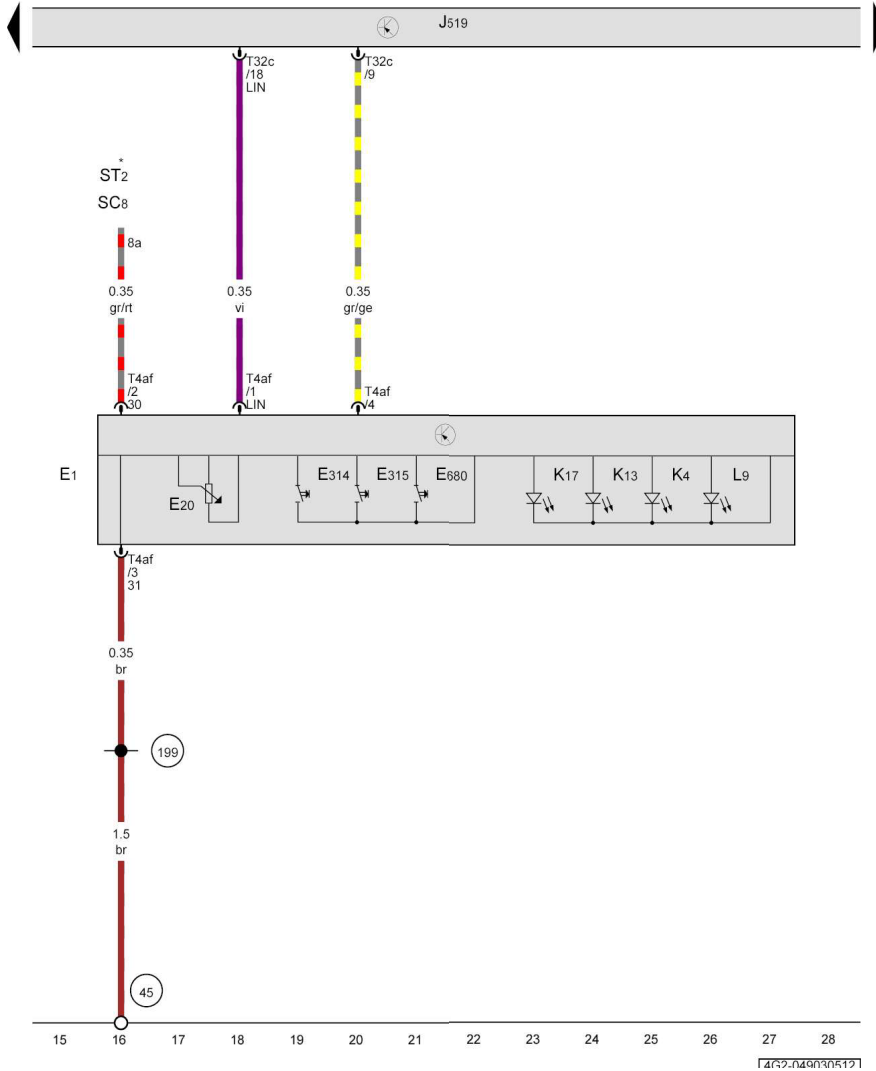
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Current Flow Diagram

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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



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

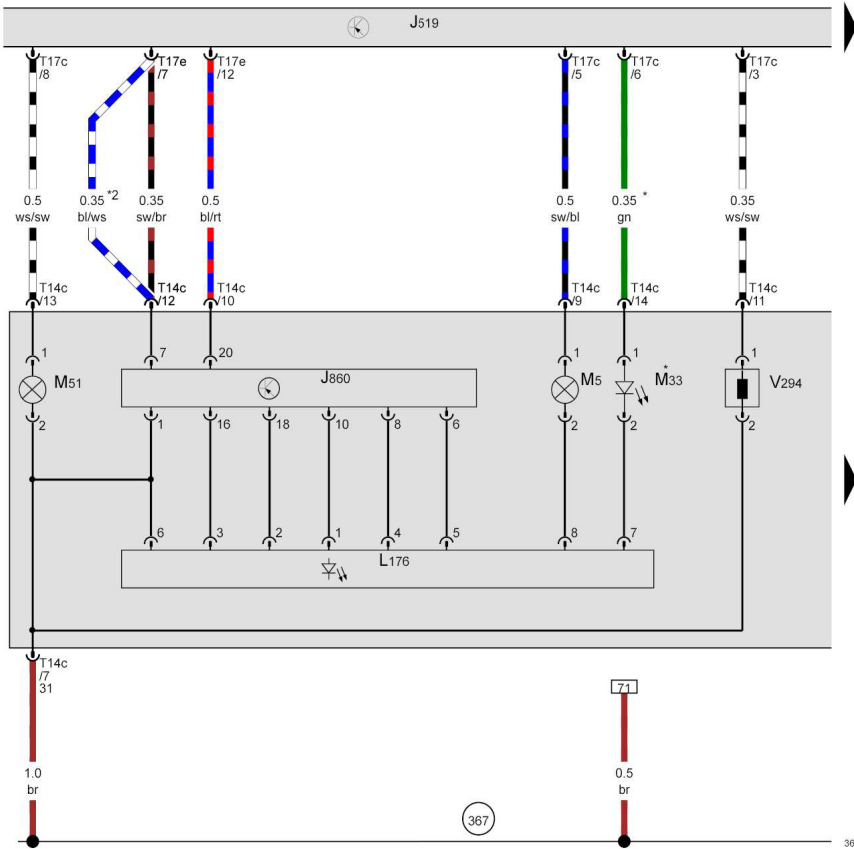
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Current Flow Diagram

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Onboard supply control unit, Control unit for left daytime running light and side light, Left LED module for daytime running light and side light, Front left turn signal bulb, Front left side marker bulb, Left static cornering light, Left dip beam screen motor

- J519 - Onboard supply control unit
- J860 - Control unit for left daytime running light and side light
- L176 - Left LED module for daytime running light and side light
- M5 - Front left turn signal bulb
- M33 - Front left side marker bulb
- M51 - Left static cornering light
- T14c - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V294 - Left dip beam screen motor
- 367 - Earth connection 2, in main wiring harness



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

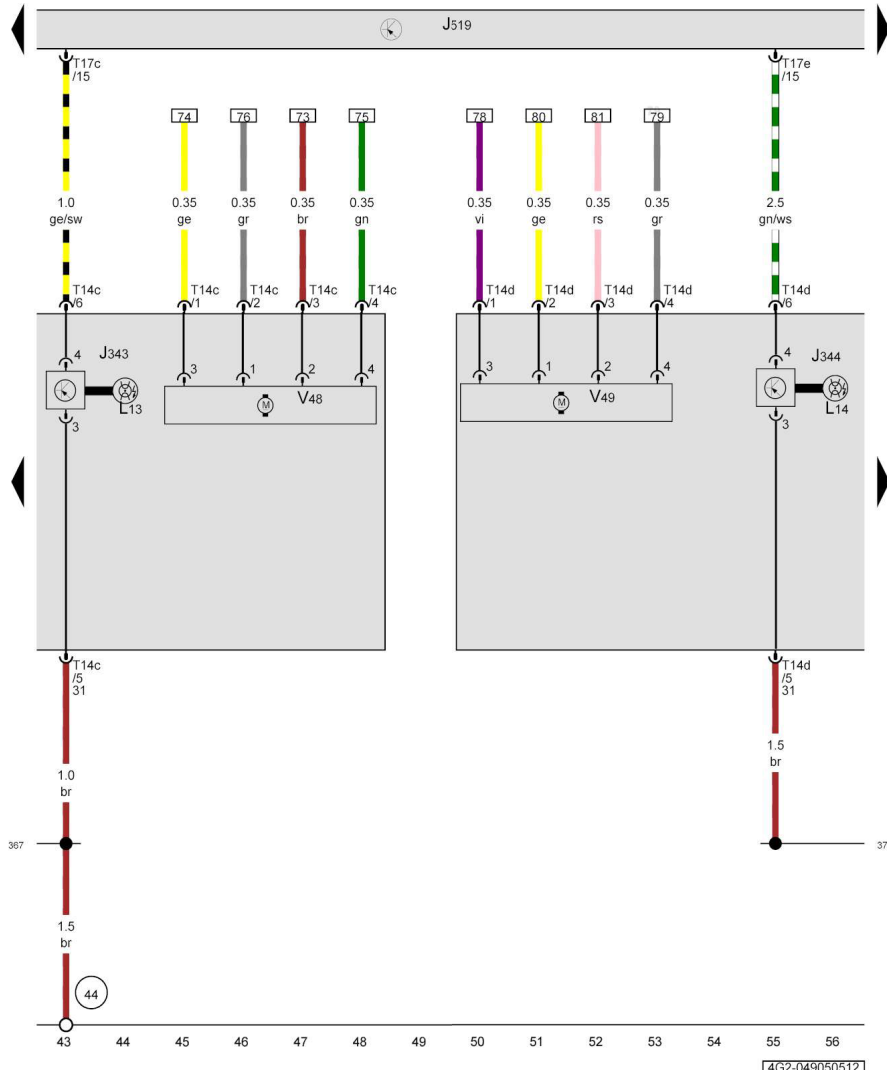
- * - Only for American markets
- *2 - From June 2011

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Current Flow Diagram

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Left gas discharge bulb control unit, Right gas discharge bulb control unit, Onboard supply control unit, Left gas discharge (xenon) bulb, Right gas discharge (xenon) bulb, Left headlight range control motor, Right headlight range control motor



- J343 - Left gas discharge bulb control unit
- J344 - Right gas discharge bulb control unit
- J519 - Onboard supply control unit
- L13 - Left gas discharge (xenon) bulb
- L14 - Right gas discharge (xenon) bulb
- T14c - 14-pin connector
- T14d - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V48 - Left headlight range control motor
- V49 - Right headlight range control motor
- 44 - Earth point, lower part of left A-pillar
- 367 - Earth connection 2, in main wiring harness
- 379 - Earth connection 14, in main wiring harness

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

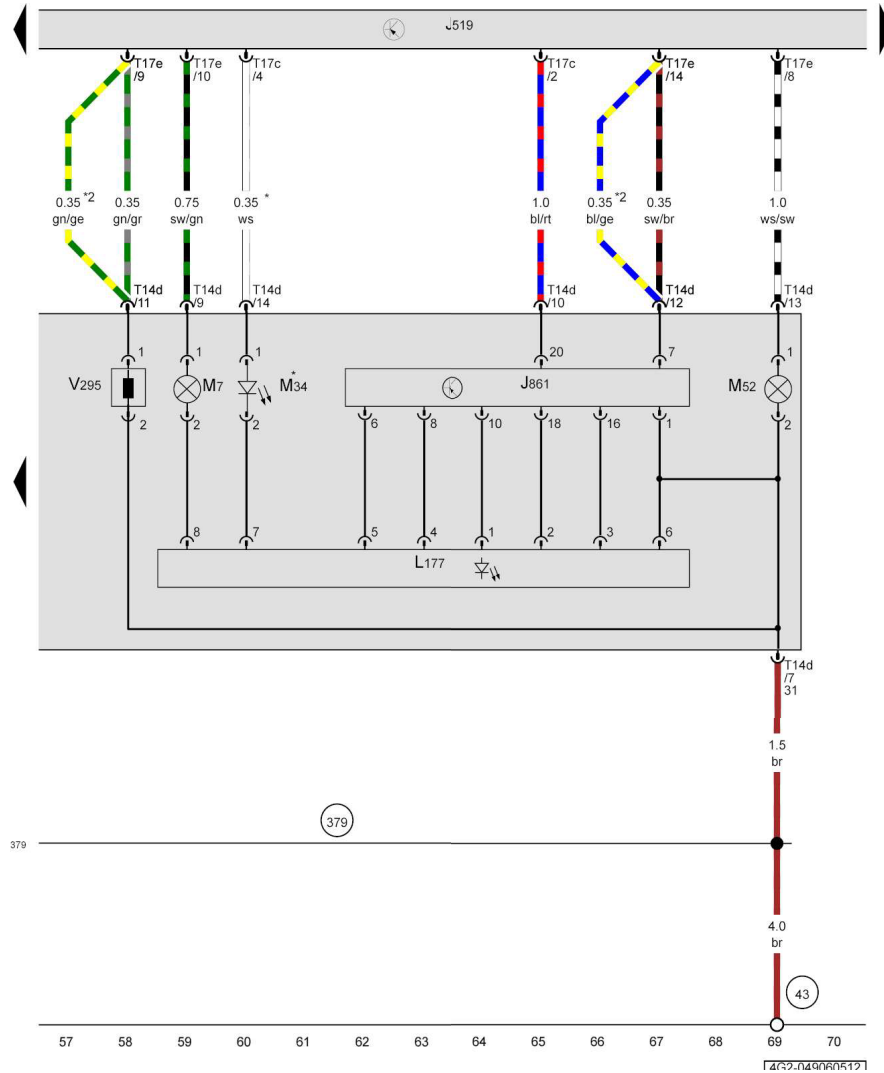
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Current Flow Diagram

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Onboard supply control unit, Right LED module for daytime running light and side light, Front right turn signal bulb, Front right side marker bulb, Right static cornering light, Right dip beam screen motor

- J519 - Onboard supply control unit
- J861 - Control unit for right daytime running light and side light
- L177 - Right LED module for daytime running light and side light
- M7 - Front right turn signal bulb
- M34 - Front right side marker bulb
- M52 - Right static cornering light
- T14d - 14-pin connector
- T17c - 17-pin connector
- T17e - 17-pin connector
- V295 - Right dip beam screen motor
- 43 - Earth point, lower part of right A-pillar
- 379 - Earth connection 14, in main wiring harness



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




- * - Only for American markets
- *2 - From June 2011

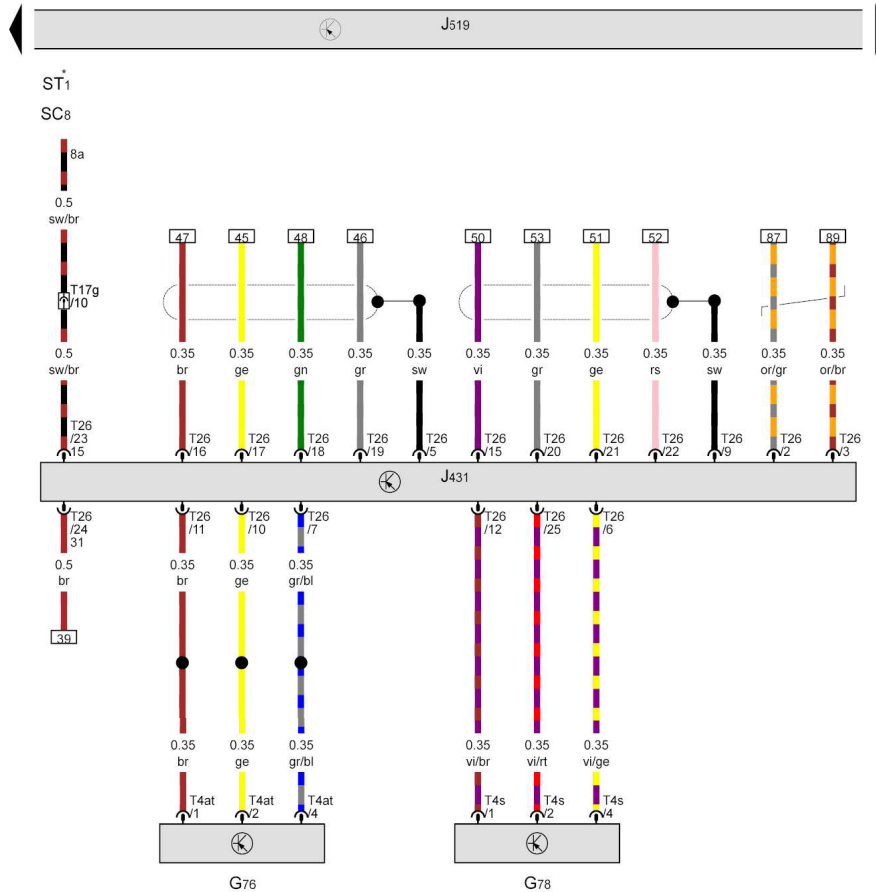
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Current Flow Diagram

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Rear left vehicle level sender, Front left vehicle level sender, Headlight range control unit, Onboard supply control unit

- G76 - Rear left vehicle level sender
- G78 - Front left vehicle level sender
- J431 - Headlight range control unit 
- J519 - Onboard supply control unit 
- 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 
- T26 - 26-pin connector
- * - see applicable current flow diagram for fuse assignment

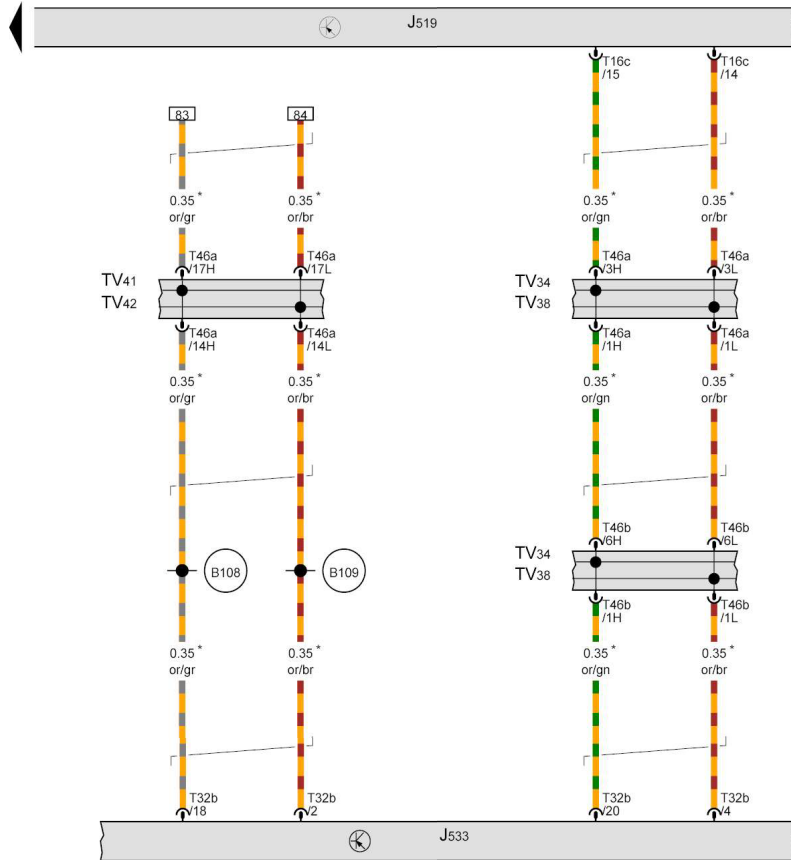


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Current Flow Diagram

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

- 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