

Audi A6

Current Flow Diagram

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Edition 09.2009

Headlight for gaseous discharge light (Bixenon), cornering light and automatic headlight range control

from September 2008

Notes:

For information concerning

- ◆ Position of relays and fuses
- ◆ Multi-pin connections
- ◆ Control units and relays
- ◆ Earth connections

→ List of Fitting Locations!

For information concerning

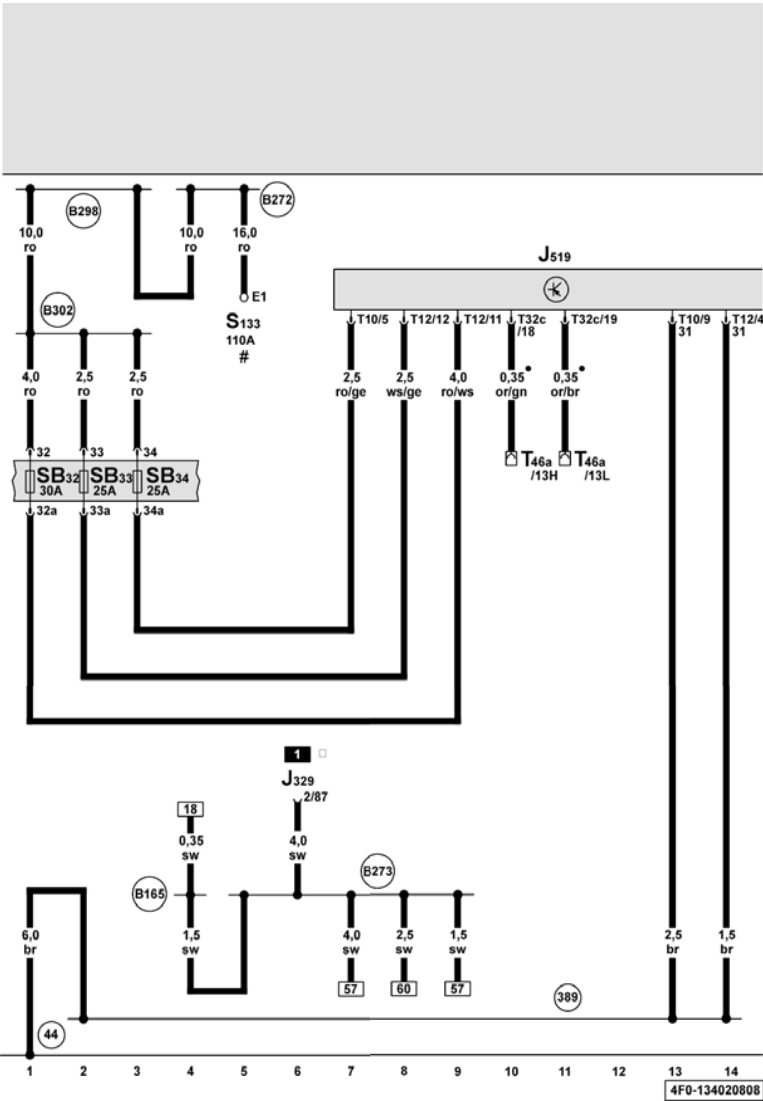
- ◆ Fault Finding Programs

→ guided fault finding

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Current Flow Diagram

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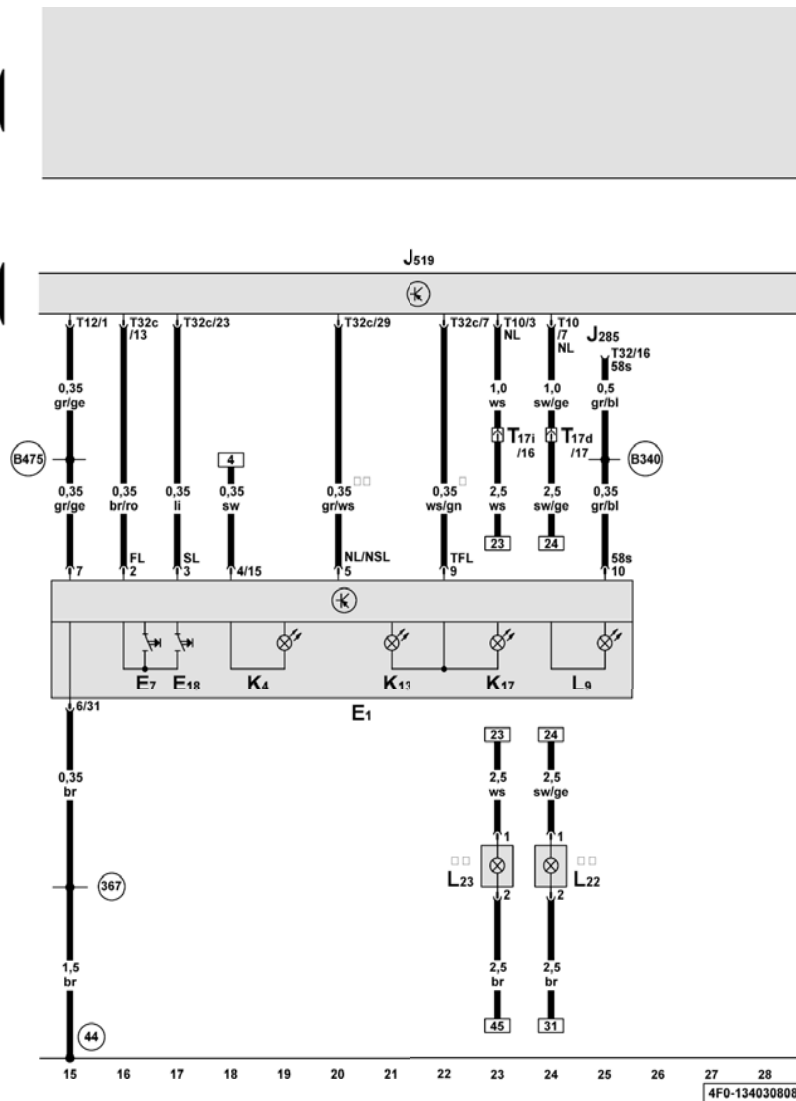
Onboard power supply control unit, fuses

- J329 - Terminal 15 voltage supply relay
- J519 - Onboard supply control unit
- S133 - Fuse 3
- SB32 - Fuse 32 on fuse holder B
- SB33 - Fuse 33 on fuse holder B
- SB34 - Fuse 34 on fuse holder B
- T10 - 10-pin connector, black, connector A, on onboard power supply control unit
- T12 - 12-pin connector, black, connector B, on onboard power supply control unit
- T32c - 32-pin connector, white, connector C, on onboard supply control unit
- T46a - 46-pin connector, CAN disconnecter left
- 44 - Earth point, lower part of left A-pillar
- 389 - Earth connection 24, in main wiring harness
- B165 - Positive connection 2 (15), in interior wiring harness
- B272 - Positive connection (30), in main wiring harness
- B273 - Positive connection (15), in main wiring harness
- B298 - Positive connection 2 (30), in main wiring harness
- B302 - Positive connection 6 (30), in main wiring harness
- - CAN bus (data wire)
- * - 9-point relay carrier, behind driver storage compartment
- # - main fuse box, in luggage compartment, rear right, on the battery

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

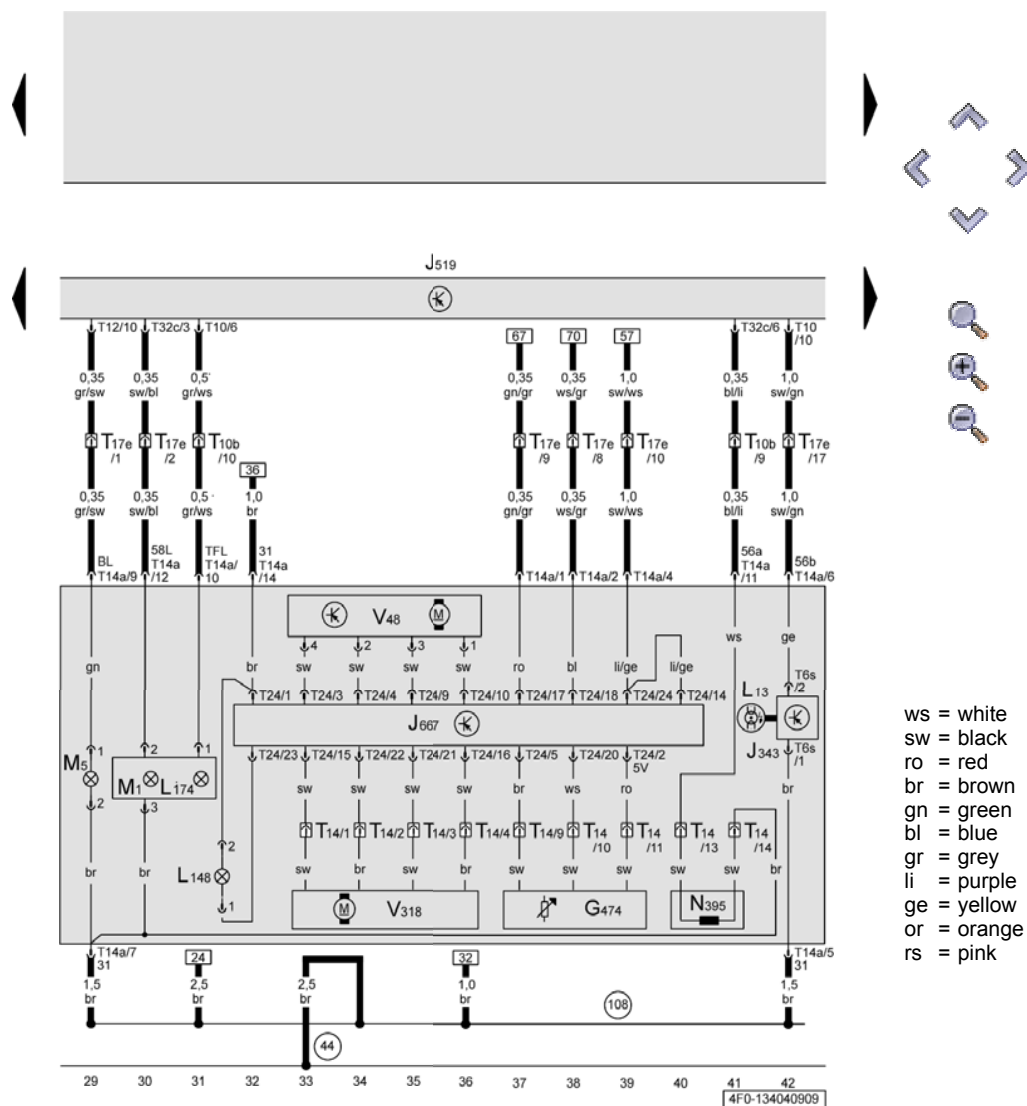
Light switch, left fog light bulb, right fog light bulb

- E1 - Light switch
- E7 - Fog light switch
- E18 - Rear fog light switch
- J285 - Control unit in dash panel insert  
- 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
- L22 - Left fog light bulb
- L23 - Right fog light bulb
- T10 - 10-pin connector, black, connector A, on onboard power supply control unit
- T12 - 12-pin connector, black, connector B, on onboard power supply control unit
- T17d - 17-pin connector, black, coupling station on left of A-pillar 
- T17i - 17-pin connector, red, coupling station on right of A-pillar 
- T32 - 32-pin connector, blue, on dash panel insert
- T32c - 32-pin connector, white, connector C, on onboard supply control unit
- 44 - Earth point, lower part of left A-pillar 
- 367 - Earth connection 2, in main wiring harness
- B340 - Connection 1 (58s), in main wiring harness
- B475 - Connection 11, in main wiring harness
- * - models with day driving light
- ** - models with fog light

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Current Flow Diagram

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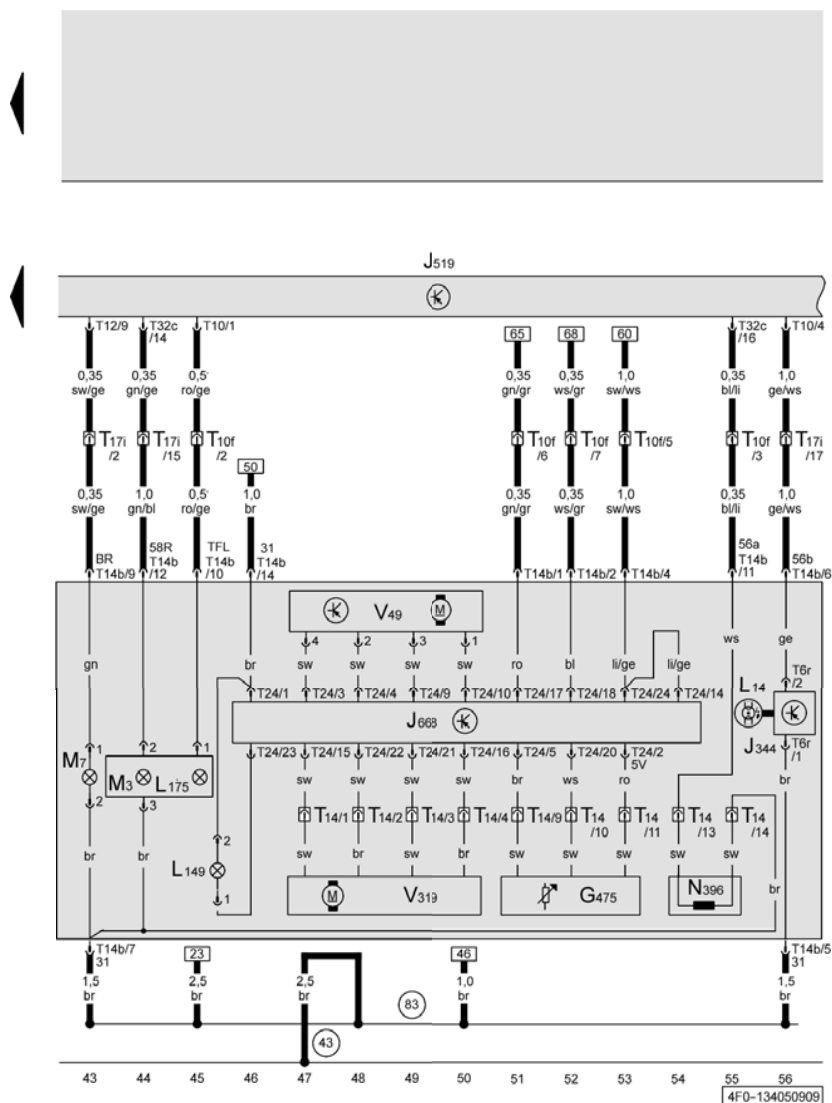
Onboard supply control unit, cornering light and headlight range control unit

- G474 - Left swivel module position sensor
- J343 - Left gas discharge light control unit
- J519 - Onboard supply control unit
- J667 - Power output module for left headlight
- L13 - Left gas discharge (xenon) bulb
- L148 - Left cornering light bulb
- L174 - Left day driving light bulb
- M1 - Left side light bulb
- M5 - Front left turn signal bulb
- N395 - Left headlight screen adjustment solenoid
- T6s - 6-pin connector, black, on left gas discharge bulb control unit
- T10 - 10-pin connector, black, connector A, on onboard power supply control unit
- T10b - 10-pin connector, blue, coupling station on left of A-pillar
- T12 - 12-pin connector, black, connector B, on onboard power supply control unit
- T14 - 14-pin connector, black, in headlight
- T14a - 14-pin connector, black, on left of headlight
- T17e - 17-pin connector, red, coupling station on left of A-pillar
- T24 - 24-pin connector, white, on cornering light and headlight range control unit
- T32c - 32-pin connector, white, connector C, on onboard supply control unit
- V48 - Left headlight range control motor
- V318 - Left dynamic cornering light control motor
- 44 - Earth point, lower part of left A-pillar
- 108 - Earth connection 2, in front left wiring harness
- * - models with day driving light

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Current Flow Diagram

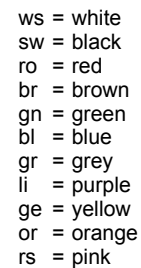
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Onboard supply control unit, cornering light and headlight range control unit

- G475 - Right swivel module position sensor
- J344 - Right gas discharge light control unit
- J519 - Onboard supply control unit
- J668 - Power output module for right headlight
- L14 - Right gas discharge (xenon) bulb
- L149 - Right cornering light bulb
- L175 - Right day driving light bulb
- M3 - Right side light bulb
- M7 - Front right turn signal bulb
- N396 - Right headlight screen adjustment solenoid
- T6r - 6-pin connector, black, on right gas discharge bulb control unit
- T10 - 10-pin connector, black, connector A, on onboard power supply control unit
- T10f - 10-pin connector, white, coupling station on right of A-pillar
- T12 - 12-pin connector, black, connector B, on onboard power supply control unit
- T14 - 14-pin connector, black, in headlight
- T14b - 14-pin connector, black, on right of headlight
- T17i - 17-pin connector, red, coupling station on right of A-pillar
- T24 - 24-pin connector, white, on cornering light and headlight range control unit
- T32c - 32-pin connector, white, connector C, on onboard supply control unit
- V49 - Right headlight range control motor
- V319 - Right dynamic cornering light control motor
- 43 - Earth point, lower part of right A-pillar
- 83 - Earth connection 1, in front right wiring harness
- * - models with day driving light

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- G76 - Rear left vehicle level sender
- G78 - Front left vehicle level sender
- J431 - Headlight range control, control unit  
- SB18 - Fuse 18 on fuse holder B  
- SC8 - Fuse 8 on fuse holder C  
- SC9 - Fuse 9 on fuse holder C  
- T10b - 10-pin connector, blue, coupling station on left of A-pillar 
- T26 - 26-pin connector, black, on headlight range control, control unit
- T46b - 46-pin connector, CAN disconnecter right
- 43 - Earth point, lower part of right A-pillar 
- 391 - Earth connection 26, in main wiring harness
- 373 - Earth connection 8, in main wiring harness
- B480 - Connection 16, in main wiring harness
- B481 - Connection 17, in main wiring harness
- B492 - Positive connection 3 (15), in interior wiring harness
- - CAN bus (data wire)