

Audi A6

Current Flow Diagram

No. 40 / 1

Edition 12.2009

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

from model year 2005

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

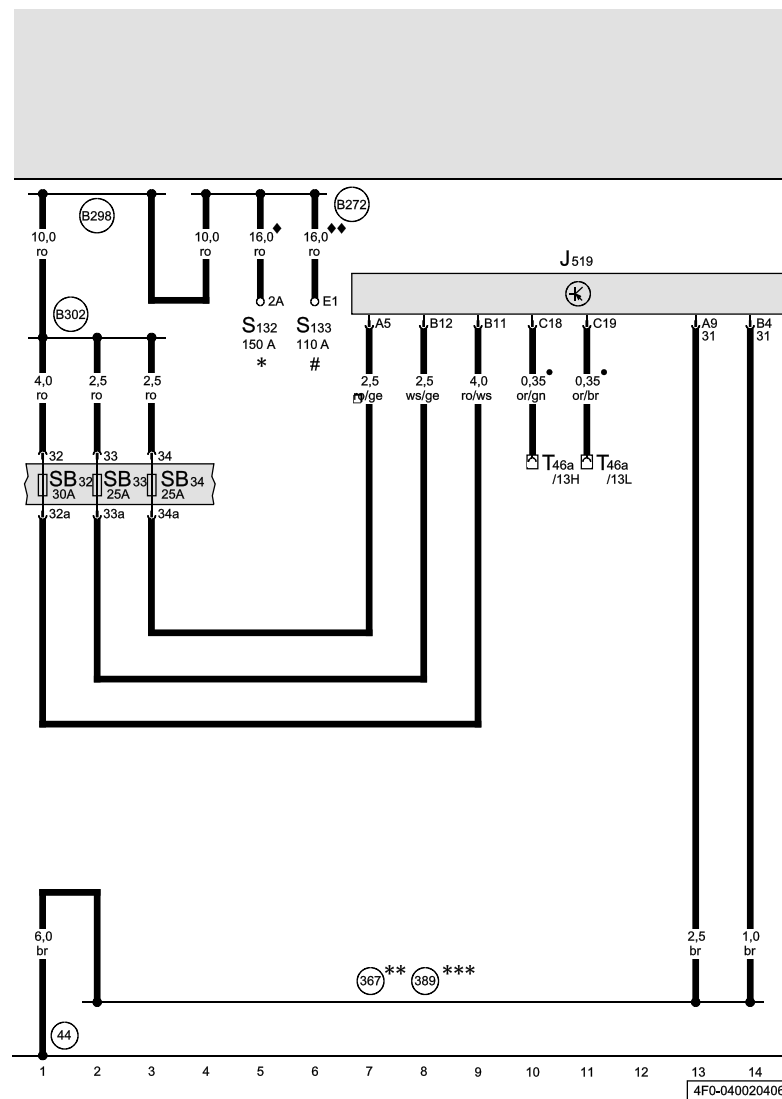
- ◆ Fault Finding Programs

→ guided fault finding

Audi A6

Current Flow Diagram

No. 40 / 2



Onboard power supply control unit, fuses

- J519 - Onboard supply control unit
- S132 - Fuse 2
- S133 - Fuse 3
- SB32 - Fuse 32 in fuse holder
- SB33 - Fuse 33 in fuse holder
- SB34 - Fuse 34 in fuse holder
- T46a - 46-pin connector, CAN disconnecter left
- 44 - Earth point, lower part of left A-pillar
- 367 - Earth connection 2, in main wiring harness
- 389 - Earth connection 24, in main wiring harness
- B272 - Positive connection (30), 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)
- * - Fuse and relay carrier right in luggage compartment
- ** - up to October 2005
- *** - from November 2005
- # - main fuse box, in luggage compartment, rear right, on the battery
- ♦ - up to model year 2006
- ♦♦ - from model year 2007

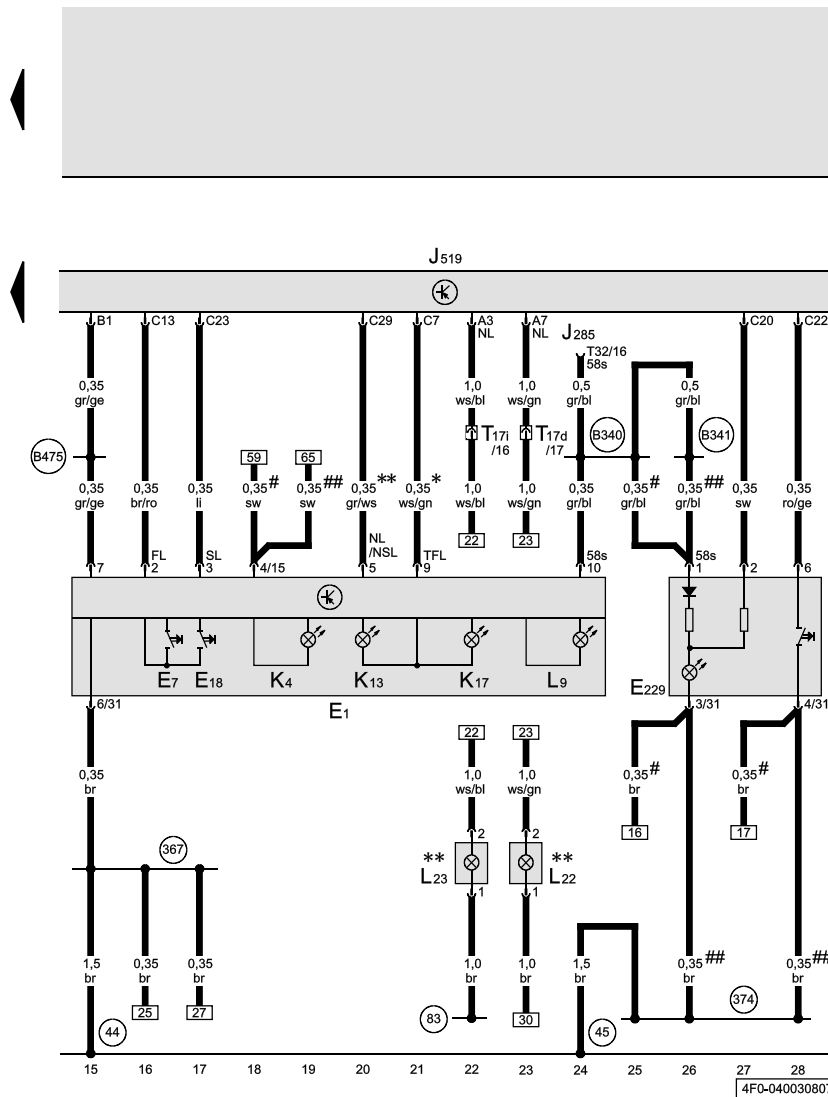
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 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Audi A6

Current Flow Diagram

No. 40 / 3



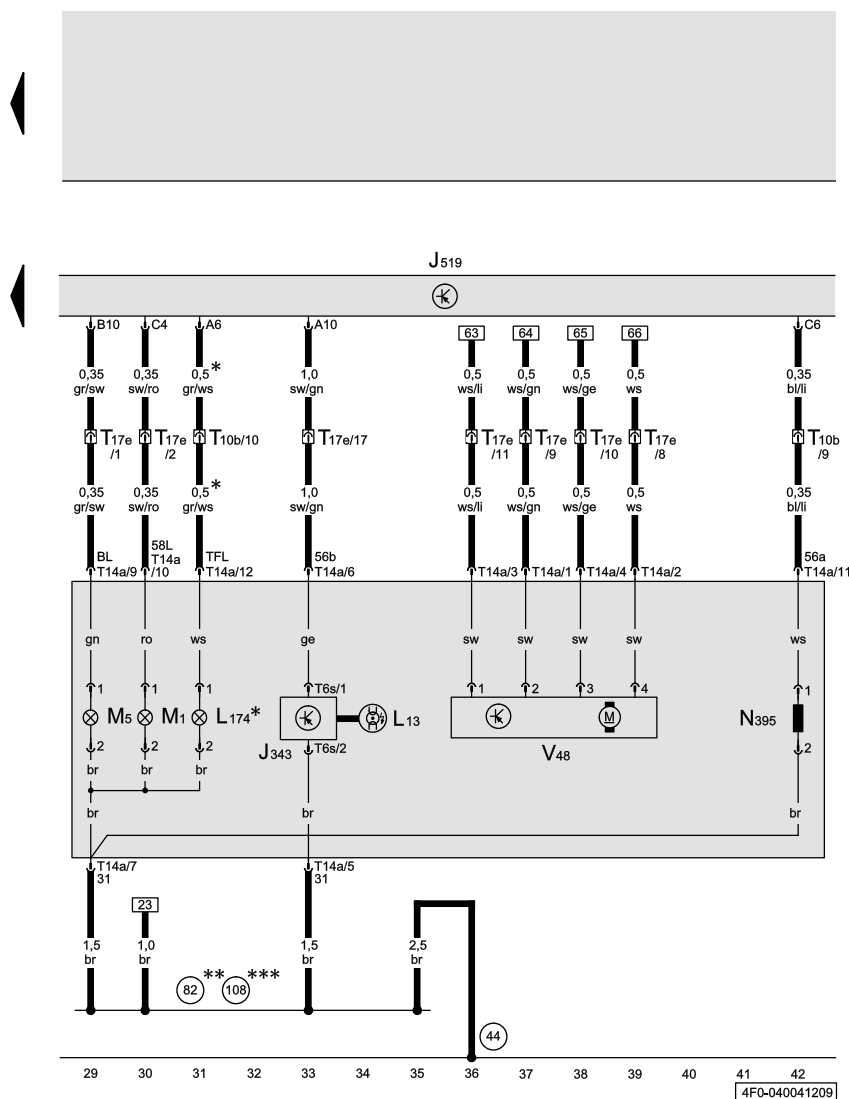
Light switch, hazard warning lights button, left fog light bulb, right fog light bulb

- E1 - Light switch
- E7 - Fog light switch
- E18 - Rear fog light switch
- E229 - Hazard warning lights button
- 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
- T17d - 17-pin connector, black, coupling station on left A-pillar
- T17i - 17-pin connector, red, coupling station on right A-pillar
- T32 - 32-pin connector, grey, on dash panel insert
- 44 - Earth point, lower part of left A-pillar
- 45 - Earth point, centre behind dash panel
- 83 - Earth connection 1, in front right wiring harness
- 367 - Earth connection 2, in main wiring harness
- 374 - Earth connection 9, in main wiring harness
- B340 - Connection 1 (58s), in main wiring harness
- B341 - Connection 2 (58s), in main wiring harness
- B475 - Connection 11, in main wiring harness
- * - models with day driving light
- ** - models with fog light
- # - up to October 2005
- ## - from November 2005

Audi A6

Current Flow Diagram

No. 40 / 4



Onboard supply control unit, left gas discharge light control unit

- J343 - Left gas discharge light control unit
- J519 - Onboard supply control unit
- L13 - Left gas discharge (xenon) 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 light control unit
- T10b - 10-pin connector, blue, coupling station on left A-pillar
- T14a - 14-pin connector, black, on left headlight
- T17e - 17-pin connector, red, coupling station on left A-pillar
- V48 - Left headlight range control motor
- 44 - Earth point, lower part of left A-pillar
- 82 - Earth connection 1, in front left wiring harness
- 108 - Earth connection 2, in front left wiring harness
- * - models with day driving light
- ** - up to October 2005
- *** - from November 2005

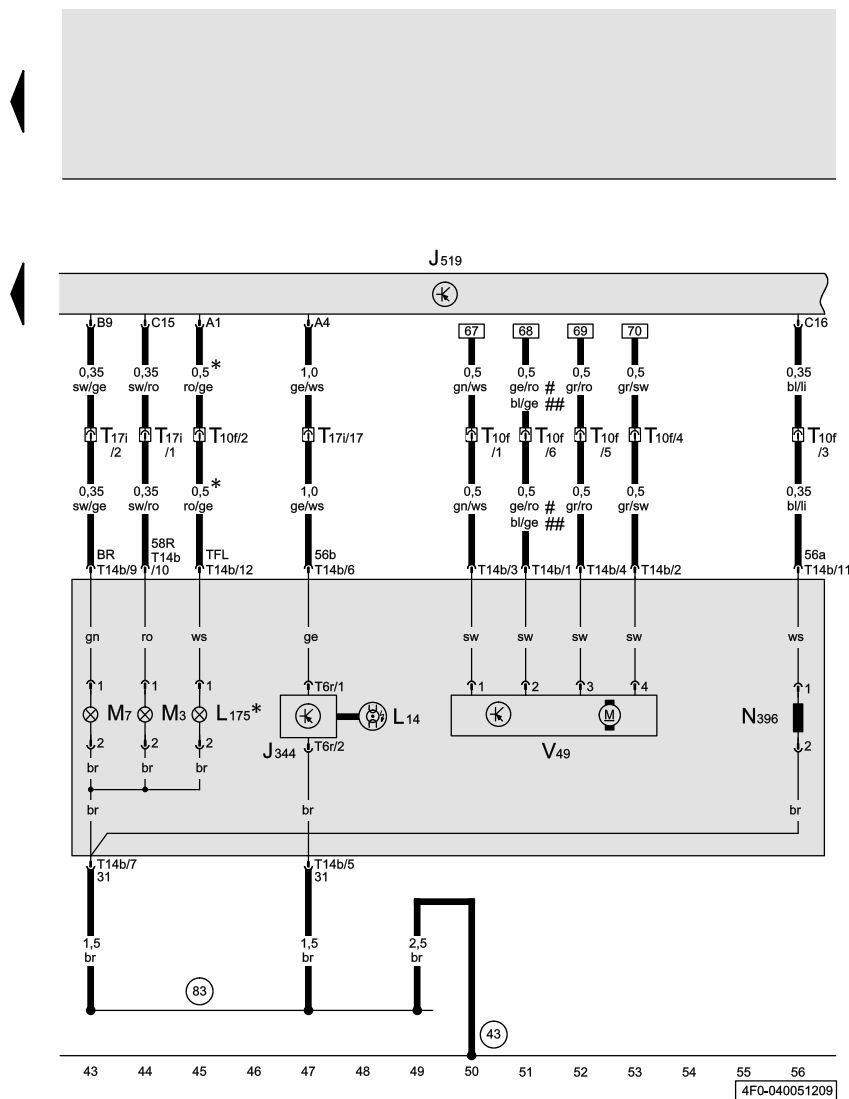
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Audi A6

Current Flow Diagram

No. 40 / 5



Onboard supply control unit, right gas discharge light control unit

- J344 - Right gas discharge light control unit
- J519 - Onboard supply control unit
- L14 - Right gas discharge (xenon) 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 light control unit
- T10f - 10-pin connector, white, coupling station on right A-pillar
- T14b - 14-pin connector, black, on right headlight
- T17i - 17-pin connector, red, coupling station on right A-pillar
- V49 - Right headlight range 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
- # - up to model year 2005
- ## - from model year 2006

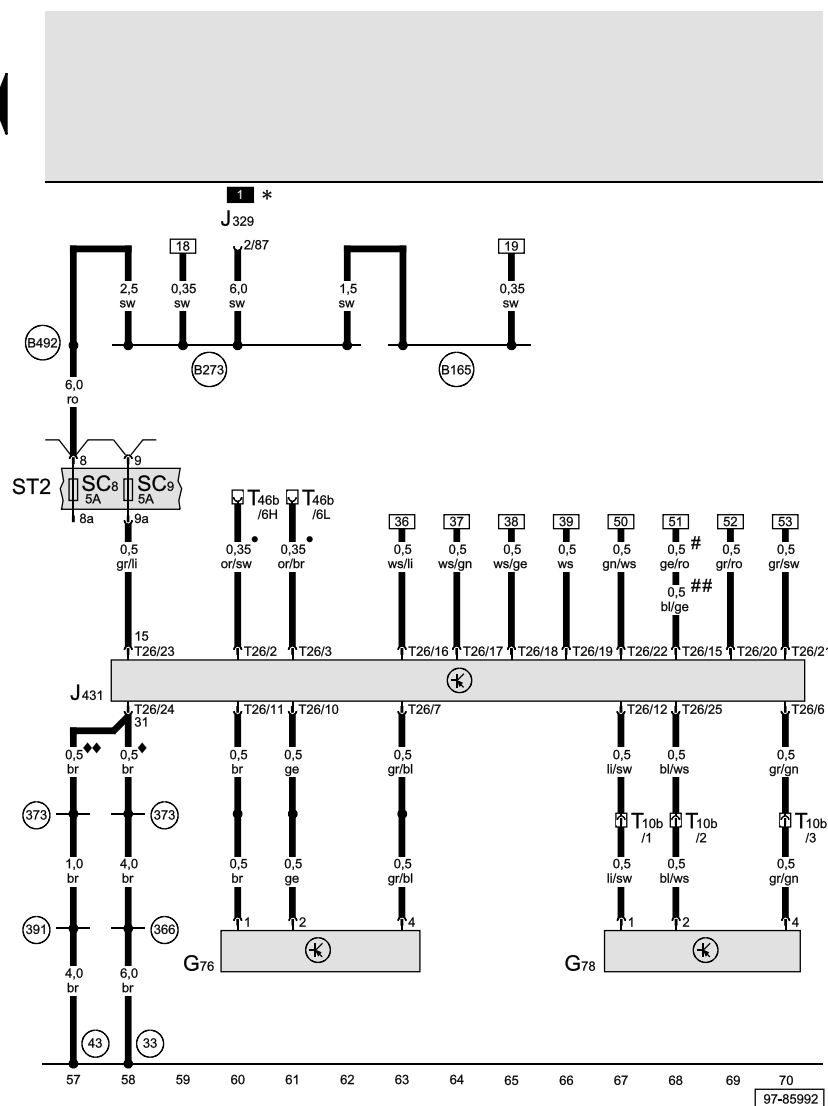
ws = white
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 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
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 vi = purple
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4F0-040051209

Audi A6

Current Flow Diagram

No. 40 / 6



Control unit for headlight range control, rear left vehicle level sender, front left vehicle level sender

- G76 - Rear left vehicle level sender
- G78 - Front left vehicle level sender
- J329 - Terminal 15 voltage supply relay
- J431 - Headlight range control, control unit
- SC8 - Fuse 8 in fuse holder
- SC9 - Fuse 9 in fuse holder
- T10b - 10-pin connector, blue, coupling station on left A-pillar
- T26 - 26-pin connector, black, on headlight range control, control unit
- T46b - 46-pin connector, CAN disconnecter right
- 33 - Earth point, on right behind dash panel
- 43 - Earth point, lower part of right A-pillar
- 366 - Earth connection 1, in main wiring harness
- 373 - Earth connection 8, in main wiring harness
- 391 - Earth connection 26, in main wiring harness
- B165 - Positive connection 2 (15), in interior wiring harness
- B273 - Positive connection (15), in main wiring harness
- B492 - Positive connection 3 (15), in interior wiring harness
- - CAN bus (data wire)
- * - 9-point relay carrier, behind driver storage compartment
- # - up to model year 2005
- ## - from model year 2006
- ♦ - up to October 2005
- ♦♦ - from November 2005