

# Audi A6

## Current Flow Diagram

**No. 40 / 1**

Edition 08.2007

### 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

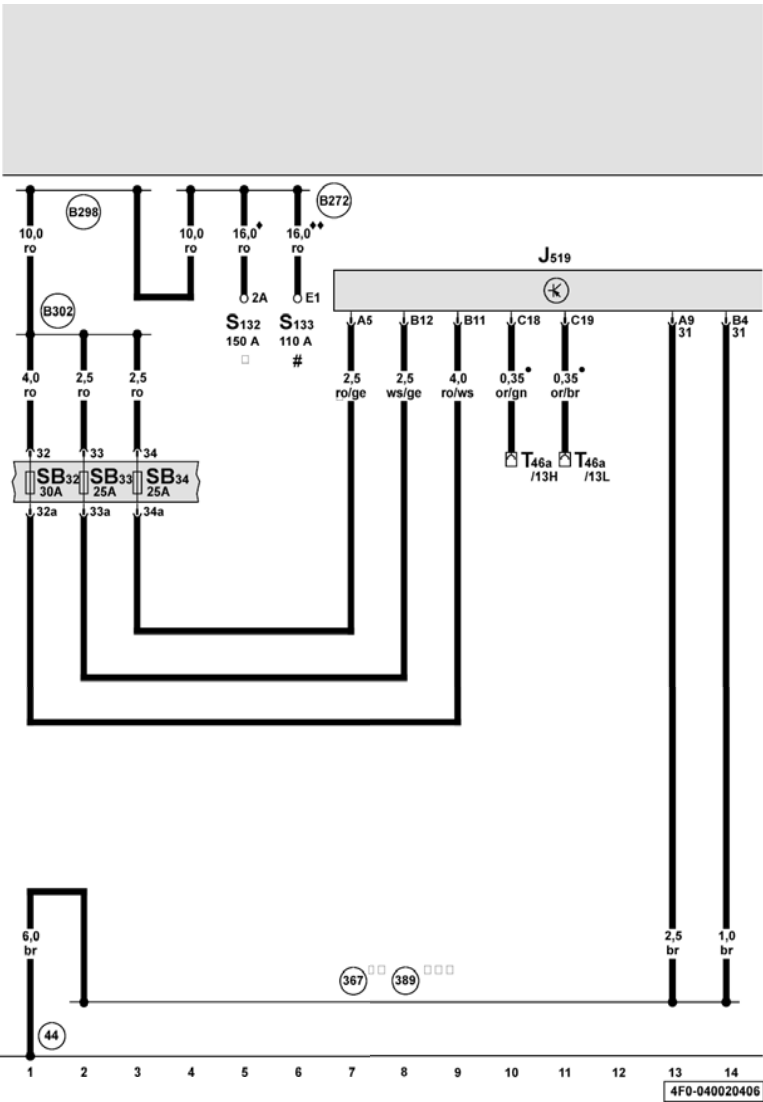
- ◆ Fault Finding Programs

→ guided fault finding

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Current Flow Diagram

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Onboard power supply control unit, fuses





- J519 - Onboard supply control unit
- S132 - Fuse 2
- S133 - Fuse 3
- SB32 - Fuse 32 on fuse holder
- SB33 - Fuse 33 on fuse holder
- SB34 - Fuse 34 on fuse holder
- T46a - 46-pin connector, CAN separating connector 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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Current Flow Diagram

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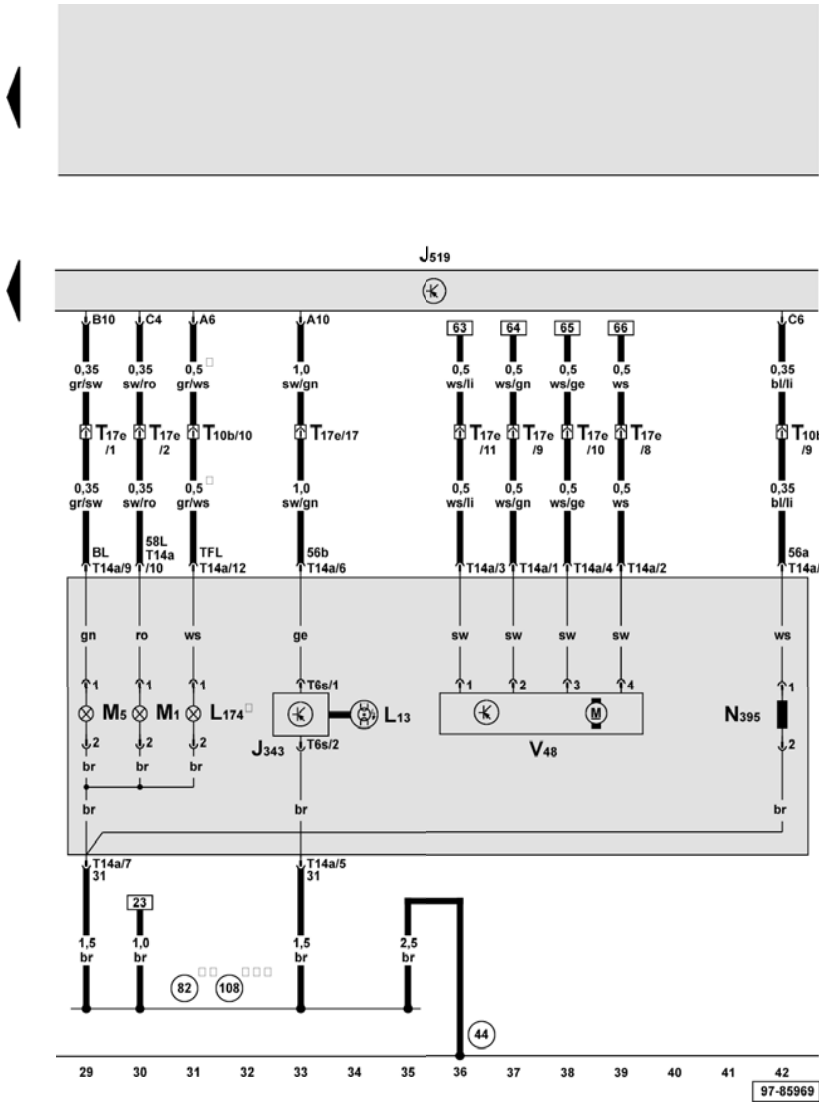


E1	- Light switch
E7	- Fog light switch
E18	- Rear fog light switch
E229	- Hazard warning lights button
J285	- Control unit in dash panel insert 
J519	- Onboard supply control unit 
K4	- Side light warning lamp
K13	- Rear fog light warning lamp
K17	- Fog light warning lamp
L9	- Light switch illumination bulb
L22	- Left fog light bulb
L23	- Right fog light bulb
T17d	- 17-pin connector, black, coupling station on left of A-pillar 
T17i	- 17-pin connector, red, coupling station on right of 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

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Current Flow Diagram

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Onboard supply control unit, left gas discharge light control unit

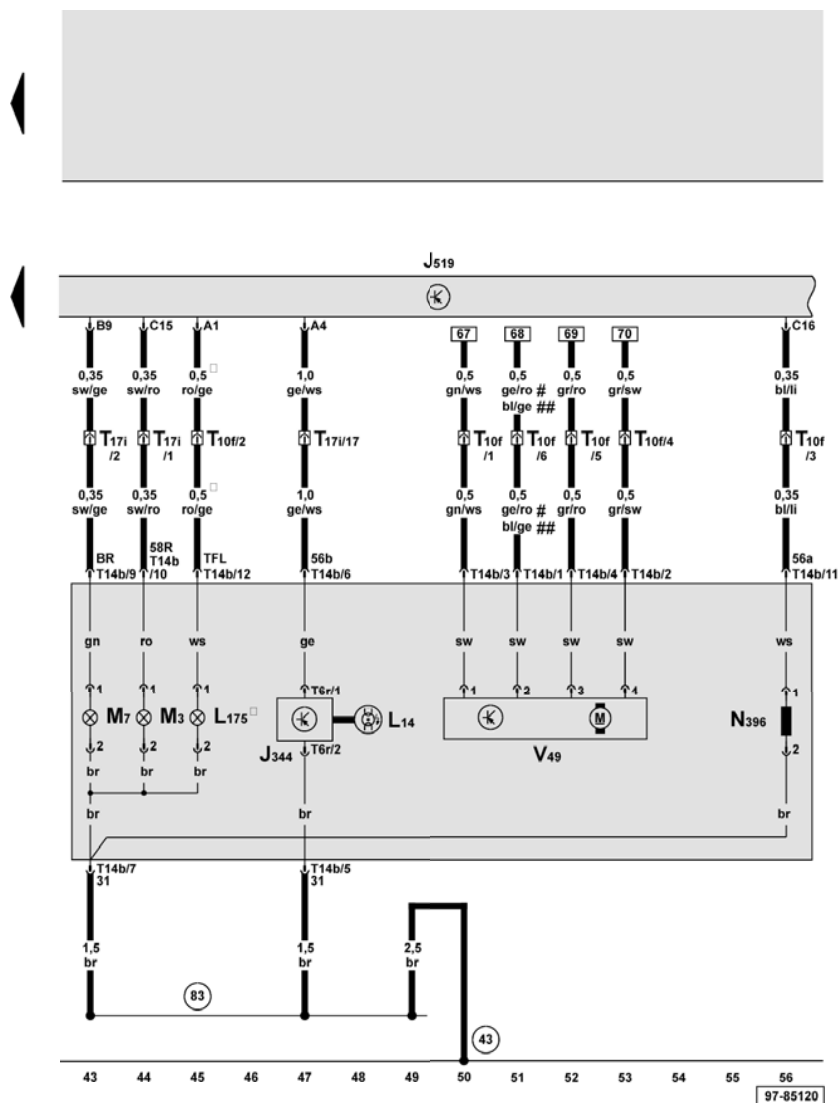
- F320 - Bixenon solenoid switch for mask
- J343 - Left gas discharge light control unit
- J519 - Onboard supply control unit
- L13 - Left gas discharge (xenon) bulb
- L174 - Left day driving light bulb
- M1 - Left side light bulb
- M5 - Front left turn signal bulb
- N395 - Left headlight screen adjustment solenoid
- T6s - 6-pin connector, black, on left gas discharge light control unit
- T10b - 10-pin connector, blue, coupling station on left of A-pillar
- T14a - 14-pin connector, black, on left of headlight
- T17e - 17-pin connector, red, coupling station on left of 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  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink




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Current Flow Diagram

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**Onboard supply control unit, right gas discharge light control unit**






- F320 - Bixenon solenoid switch for mask
- 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 of A-pillar 
- T14b - 14-pin connector, black, on right of headlight
- T17i - 17-pin connector, red, coupling station on right of 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

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### Current Flow Diagram

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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 on fuse holder 
SC9	- Fuse 9 on fuse holder 
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 separating connector 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