

Audi A8

Current Flow Diagram

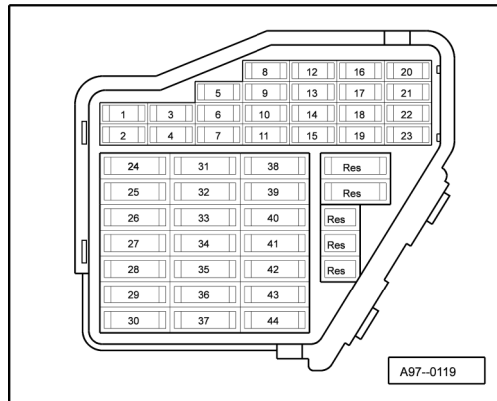
No. 58 / 1

Edition 03.2006

Air conditioning system

from model year 2004

Fuse holder, left dash panel



Fuse colours

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7,5 A - brown

5 A - beige

1 A - black

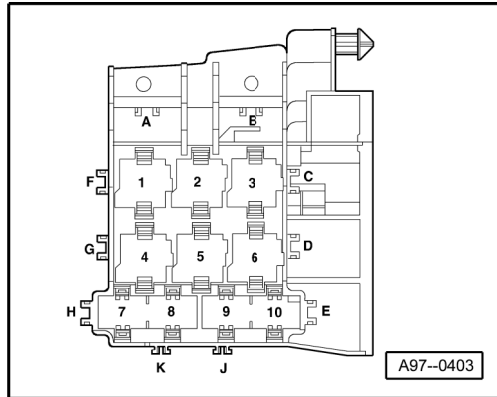
SB - Fuses in fuse holder left dash panel

SC - Fuses in fuse holder right dash panel

SD - Fuses in fuse holder left in luggage compartment

SF - Fuses in fuse holder right in luggage compartment

Relay and fuse carrier behind left dash panel



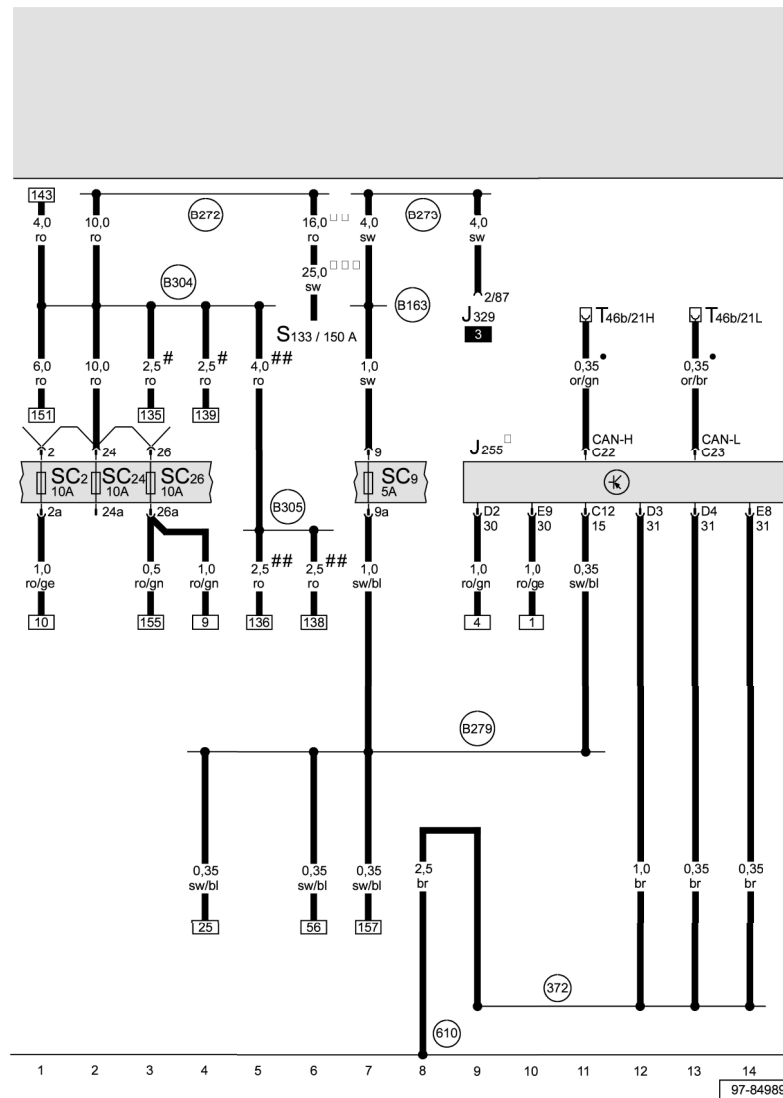
Relay positions

- 3 - Terminal 15 voltage supply relay (J329)
- 6 - Terminal 75 voltage supply relay 1 (J680)

Audi A8

Current Flow Diagram

No. 58 / 2



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

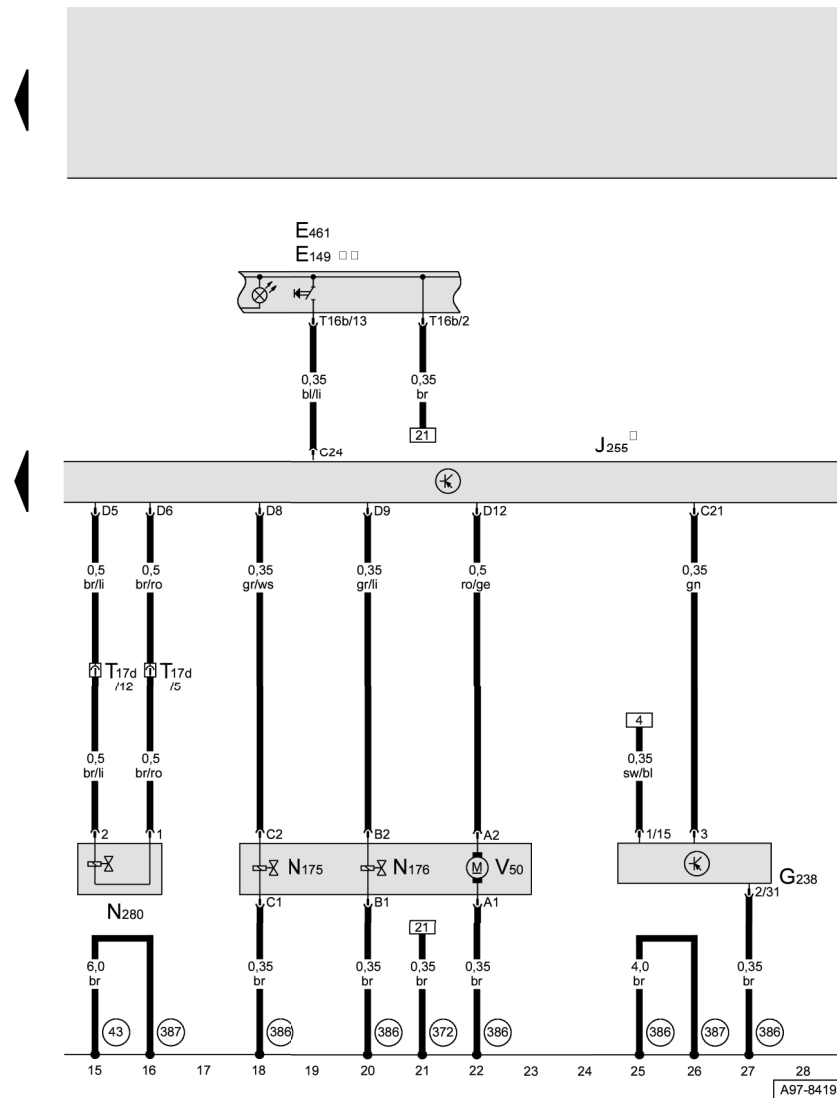
Climatronic control unit, fuses

- J255 - Climatronic control unit
- J329 - Terminal 15 voltage supply relay
- S133 - Fuse 3, 150 A, in luggage compartment, rear right
- SC2 - Fuse 2 on fuse holder
- SC9 - Fuse 9 on fuse holder
- SC24 - Fuse 24 on fuse holder
- SC26 - Fuse 26 on fuse holder
- T46b - 46-pin connector, black, CAN separating connector right
- 372 - Earth connection 7, in main wiring harness
- 610 - Earth point (audio), under centre console, front
- B163 - Positive connection 1 (15), in interior wiring harness
- B272 - Positive connection (30), in main wiring harness
- B273 - Positive connection (15), in main wiring harness
- B279 - Positive connection 3 (15a), in main wiring harness
- B304 - Positive connection 8 (30), in main wiring harness
- B305 - Positive connection 9 (30), in main wiring harness
- - CAN bus (data wire)
- * - Front information display and operating unit
- ** - models with petrol engines
- *** - models with diesel engines
- # - up to model year 2004
- ## - from model year 2005

Audi A8

Current Flow Diagram

No. 58 / 3



Climatronic control unit, coolant circulation pump, air conditioning system compressor regulating valve, heat regulation valve, air quality sensor

- E149 - Rear roller blind switch
- E461 - Operating unit in front of centre console
- G238 - Air quality sensor
- J255 - Climatronic control unit
- N175 - Left heat regulation valve
- N176 - Right heat regulation valve
- N280 - Air conditioning system compressor regulating valve
- T16b - 16-pin connector, black, on operating unit in front of centre console
- T17d - 17-pin connector, blue, in electronics box in plenum chamber
- V50 - Coolant circulation pump
- 43 - Earth point, lower part of right A-pillar
- 372 - Earth connection 7, in main wiring harness
- 386 - Earth connection 21, in main wiring harness
- 387 - Earth connection 22, in main wiring harness
- * - Front information display and operating unit
- ** - models with rear roller blind

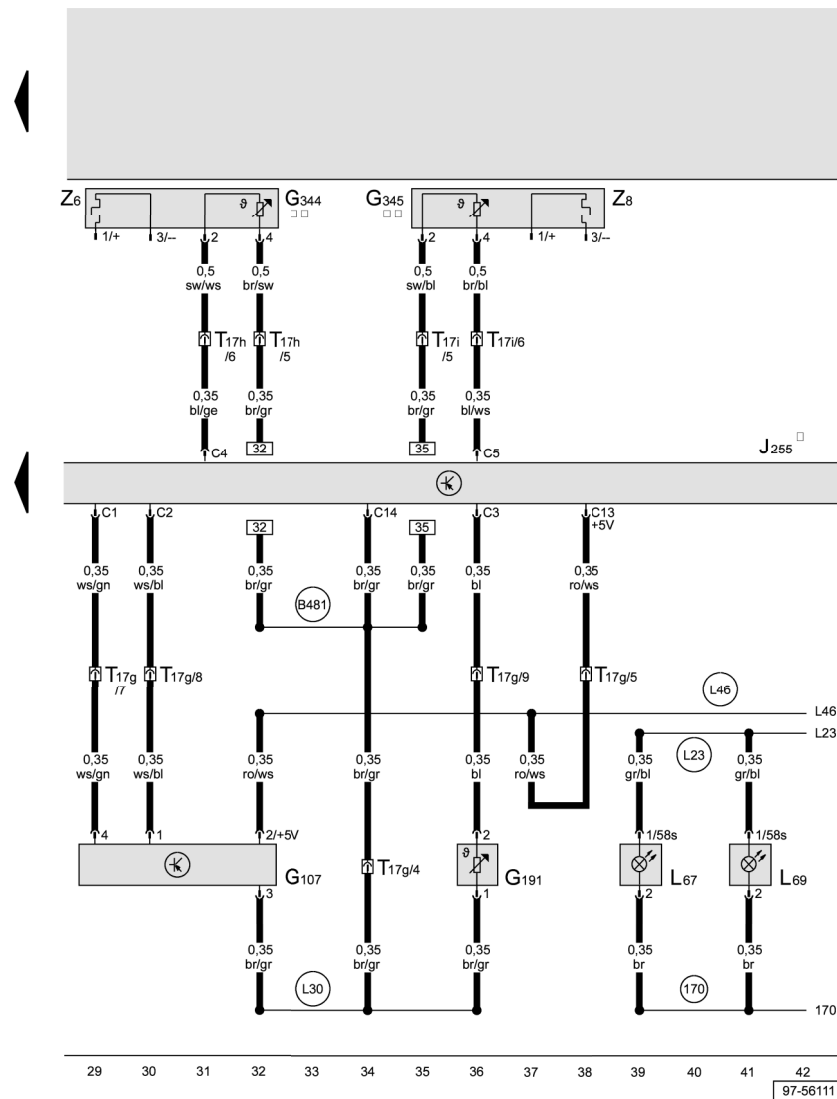
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

A97-84195

Audi A8

Current Flow Diagram

No. 58 / 4



Climatronic control unit, sunlight penetration photosensor, centre vent temperature sender, dash panel left and right vent illumination bulb, front seat temperature sender

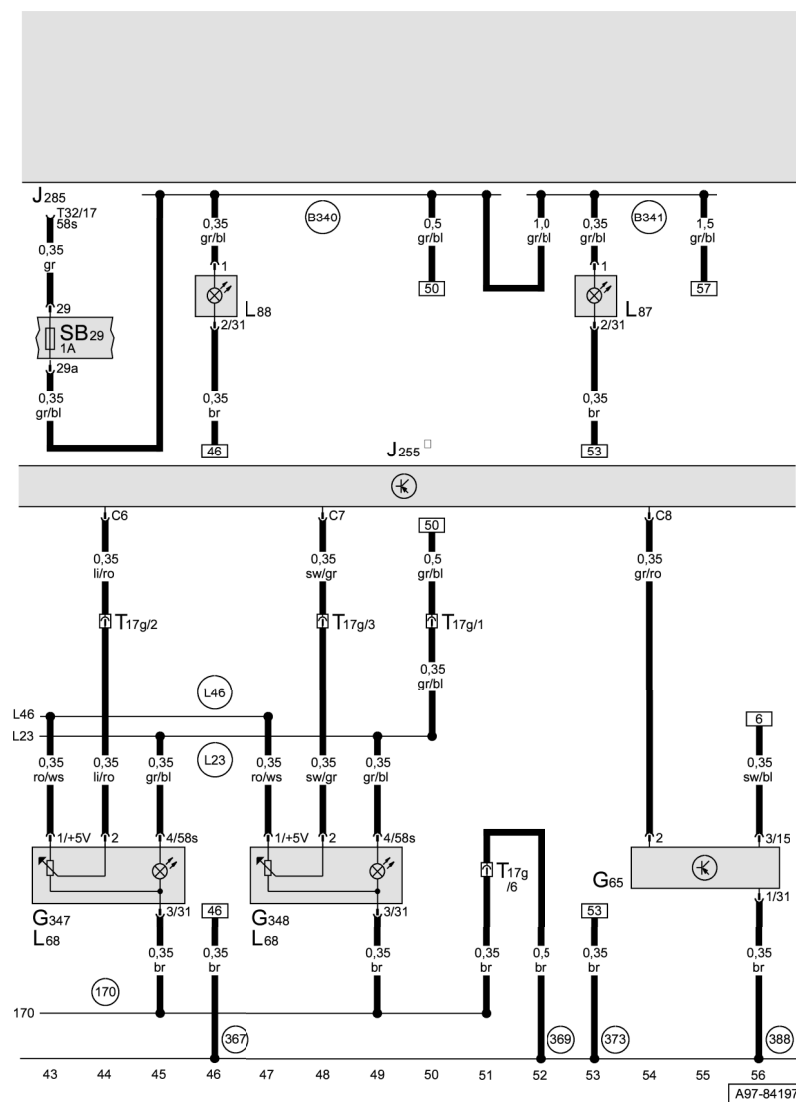
- G107 - Sunlight penetration photosensor
- G191 - Centre vent temperature sender
- G344 - Front left seat temperature sender
- G345 - Front right seat temperature sender
- J255 - Climatronic control unit
- L67 - Dash panel left vent illumination bulb
- L69 - Dash panel right vent illumination bulb
- T17g - 17-pin connector, grey, relay carrier driver footwell
- T17h - 17-pin connector, grey, under driver seat
- T17i - 17-pin connector, grey, under front passenger seat
- Z6 - Heated driver seat cushion
- Z8 - Heated front passenger seat cushion
- 170 - Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
- B481 - Connection 17 in main wiring harness
- L23 - Connection (58s), in Climatronic operating unit wiring harness
- L30 - Connection (sender), in Climatronic operating unit wiring harness
- L46 - Connection (5 Volt), in Climatronic operating unit wiring harness
- * - Front information display and operating unit
- ** - models with heated seat, see heated front seats

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

Audi A8

Current Flow Diagram

No. 58 / 5



Climatronic control unit, centre left and right vent sensor, high pressure sender, vent illumination bulb

- G65 - High pressure sender
- G347 - Centre left vent sensor
- G348 - Centre right vent sensor
- J255 - Climatronic control unit
- J285 - Control unit with display in dash panel insert
- L68 - Dash panel centre vent illumination bulb
- L87 - Central rear vent illumination bulb
- L88 - Rear left vent illumination bulb
- SB29 - Fuse 29 on fuse holder
- T17g - 17-pin connector, grey, relay carrier driver footwell
- T32 - 32-pin connector, blue, on dash panel insert
- 170 - Earth connection 1, in air conditioning system/Climatronic operating unit wiring harness
- 367 - Earth connection 2, in main wiring harness
- 369 - Earth connection 4, in main wiring harness
- 373 - Earth connection 8, in main wiring harness
- 388 - Earth connection 23, in main wiring harness
- B340 - Connection 1 (58s), in main wiring harness
- B341 - Connection 2 (58s), in main wiring harness
- L23 - Connection (58s), in Climatronic operating unit wiring harness
- L46 - Connection (5 Volt), in Climatronic operating unit wiring harness
- * - Front information display and operating unit

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