Audi A4

Current Flow Diagram

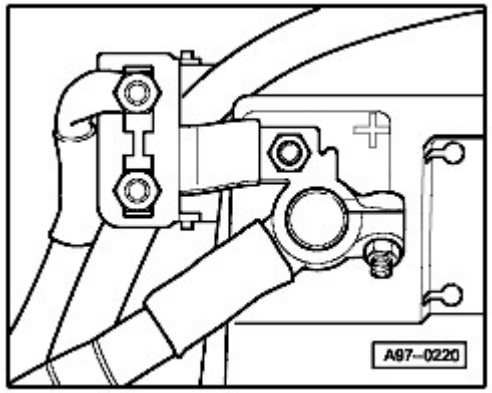
No. 42 / 1

Edition 04.2004

Basic equipment - Highline

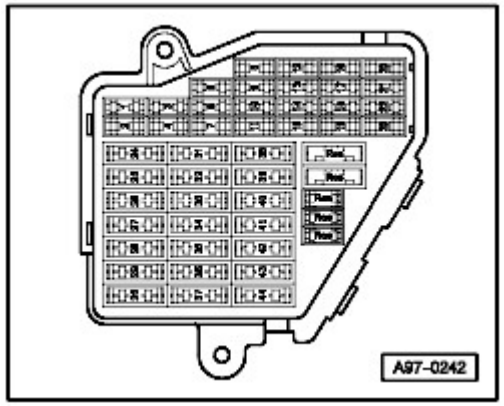
From model year 2002

Main fuse



- On battery

Fuse box



- Dash panel, driver's side

Fuse colours

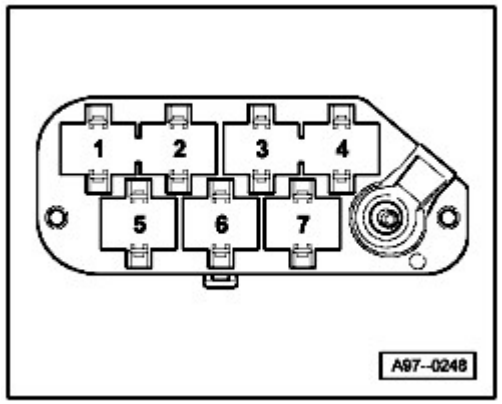
30 A - green

25 A - white
20 A - yellow
15 A - blue
10 A - red
7.5 A - brown
5 A - beige

Note:

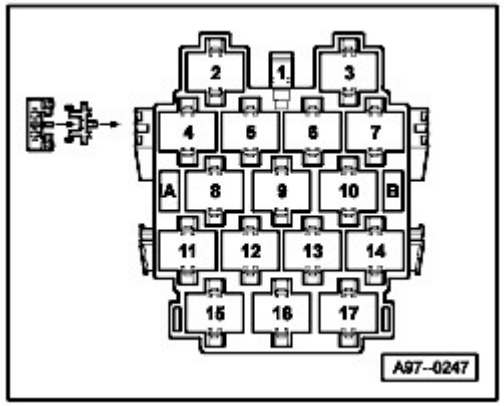
From fuse number 23 upwards the fuses in the fuse box are designated as 223 etc. in the Current Flow Diagram.

Connector point with screw connection



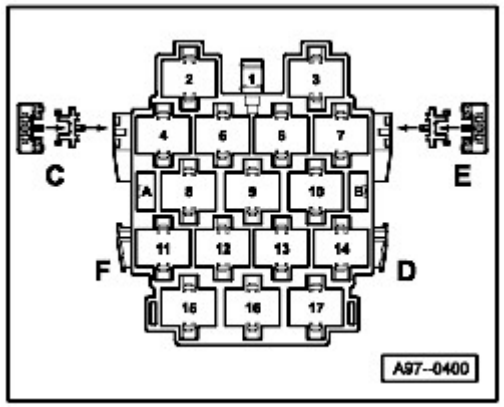
- In electronics box, plenum chamber
  1 - 10-pin connector, black (T10)
  2 - 10-pin connector, brown (T10a)
  3 - 17-pin connector, red (T17d)
  6 - 17-pin connector, white (T17e)

Connector point, A pillar



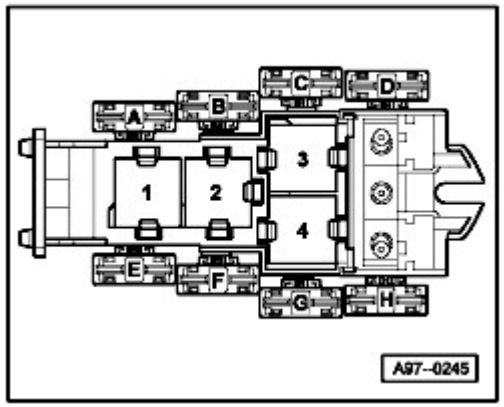
- On left-hand side, bottom, behind side trim
  13 - 10-pin connector, purple (T10c)
  15 - 17-pin connector, green (T17b)
  16 - 17-pin connector, red (T17a)
  17 - 17-pin connector, black (T17)

Connector point, A pillar



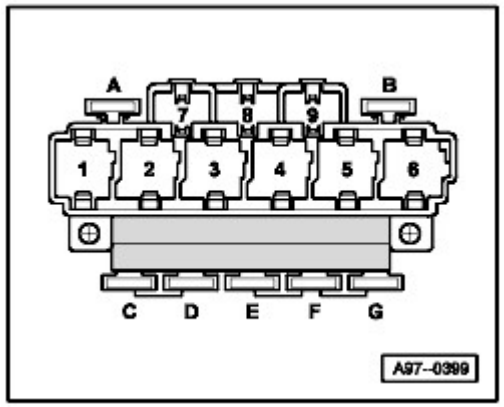
- On right hand-side, bottom, behind trim
  15 - 17-pin connector, red (T17c)

4-point relay carrier with screw connection



- Dash panel, driver's side

9-point relay carrier with vehicle voltage control unit



- Dash panel, driver's side, behind 3-point relay carrier
  3 - Dual tone horn relay (J4)
  6 - X contact relief relay (J59)

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Current Flow Diagram

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Earth connections

T4k - 4-pin connector, black, near front bumper

3 - Earth strap, engine - body

12 - Earth point, in engine compartment, left

26 - Earth point, on front apron

50 - Earth point, luggage compartment, left

78 - Earth point, lower part of right B pillar

83 - Earth connection -1-, in front right wiring harness

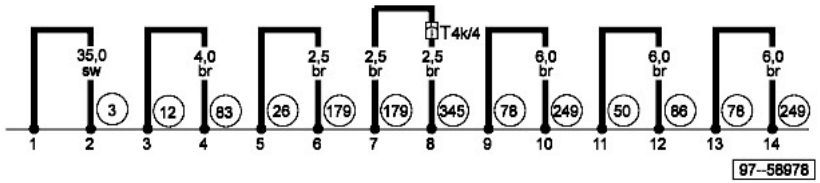
86 - Earth connection -1-, in rear wiring harness

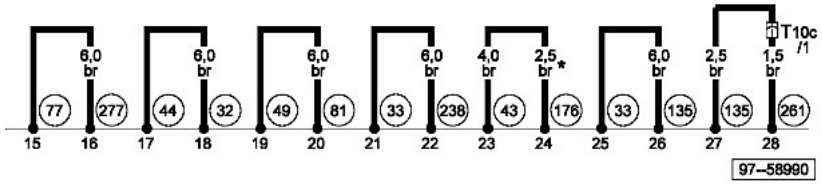
179 - Earth connection, in left headlight wiring harness

249 - Earth connection -2-, in interior wiring harness

345 - Earth connection, in bumper, horn/fog light wiring harness

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





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

Earth connections

T10c - 10-pin connector, purple, connector point, A pillar, left

32 - Earth point, behind dash panel, left

33 - Earth point, behind dash panel, right

43 - Earth point, lower part of right A pillar

44 - Earth point, lower part of left A pillar

49 - Earth point, near convenience system central control unit

77 - Earth point, lower part of left B pillar

81 - Earth connection -1-, in dash panel wiring harness

135 - Earth connection -2-, in dash panel wiring harness

176 - Earth connection, in right headlight wiring harness

238 - Earth connection -1-, in interior wiring harness

261 - Earth connection, in heated washer jet wiring harness

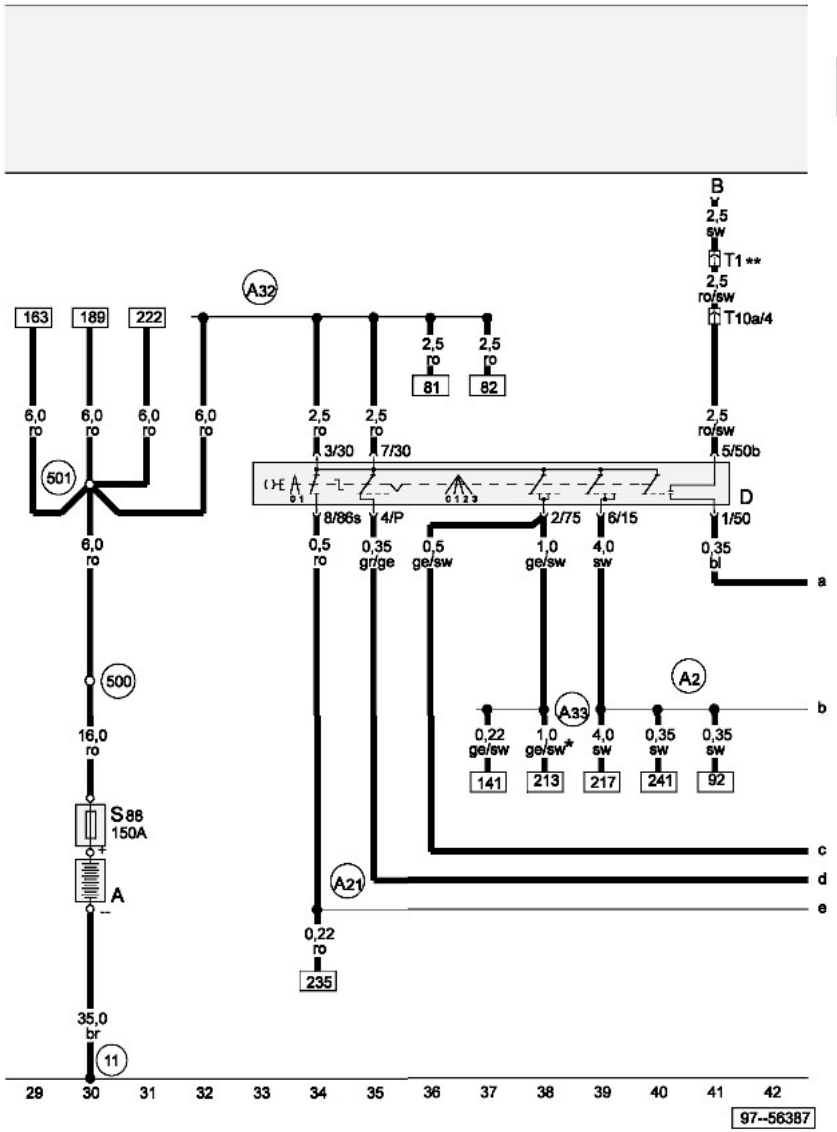
277 - Earth connection -3-, in interior wiring harness

* - Phased-in modification

Audi A4

Current Flow Diagram

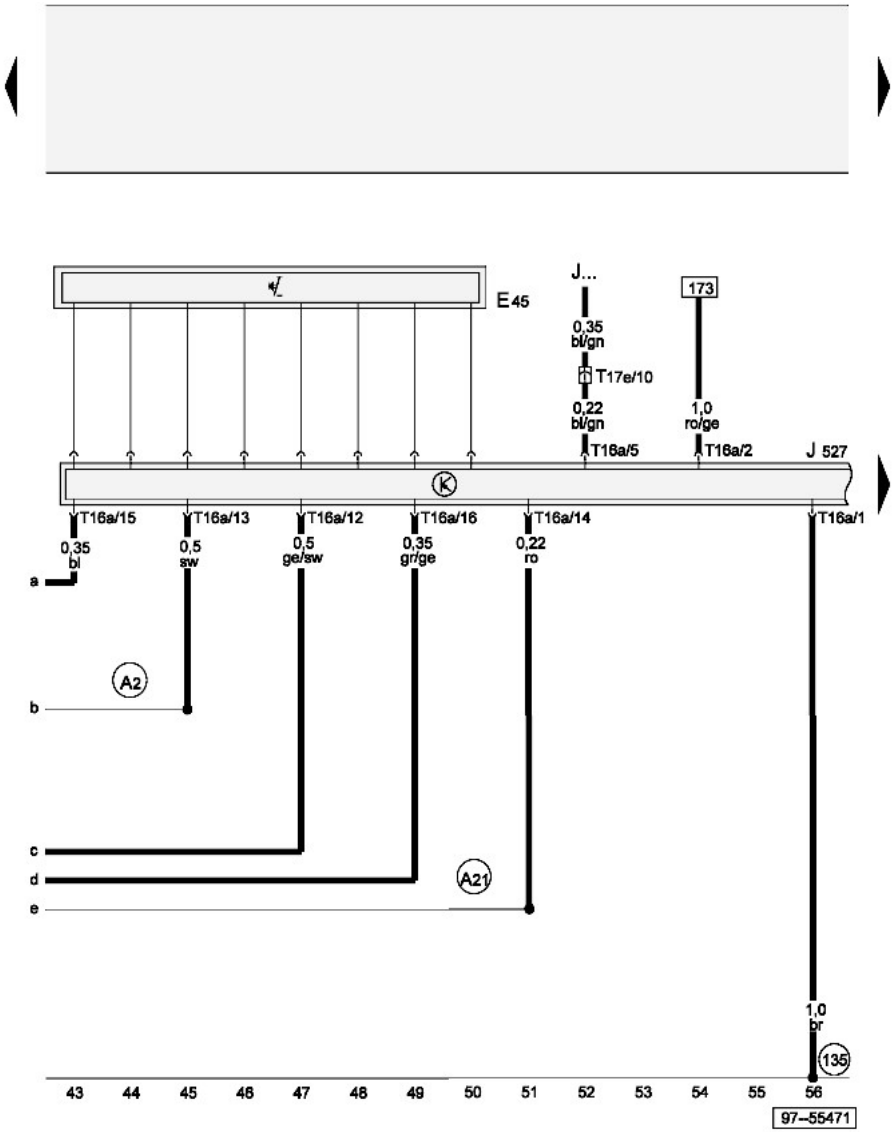
No. 42 / 4



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

Ignition/starter switch, main fuse

A	-	Battery
B	-	Starter
D	-	Ignition/starter switch
S88	-	Strip fuse (main fuse)
T1	-	Single connector, black, engine compartment, right
T10a	-	10-pin connector, brown, connector point, electronics box, plenum chamber
11	-	Earth point, in battery box
500	-	Screw connection -1- (30), on relay plate
501	-	Screw connection -2- (30), on relay plate
A2	-	Positive (+) connection (15), in dash panel wiring harness
A21	-	Connection (86s), in dash panel wiring harness
A32	-	Positive (+) connection (30), in dash panel wiring harness
A33	-	Connection (75), in dash panel wiring harness
*	-	Only applies to models with heated washer jets
**	-	For 1.8 litre and 2.0 litre engine: connector T1d



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

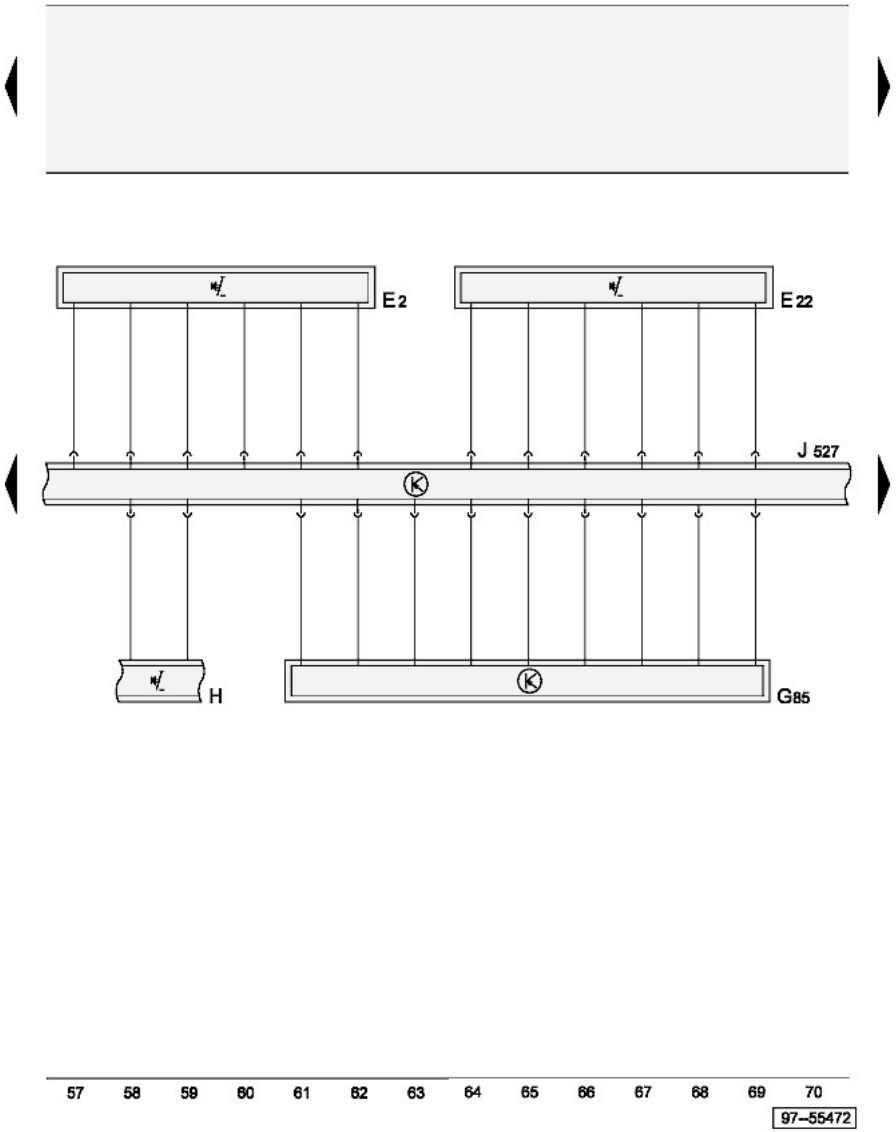
Steering column electronics control unit, cruise control system

E45	-	Cruise control system switch
J...	-	Engine control units
J527	-	Steering column electronics control unit
T16a	-	16-pin connector, black, on steering column electronics control unit
T17e	-	17-pin connector, white, connector point, electronics box, plenum chamber
135	-	Earth connection -2-, in dash panel wiring harness
A2	-	Positive (+) connection (15), in dash panel wiring harness
A21	-	Connection (86s), in dash panel wiring harness

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Current Flow Diagram

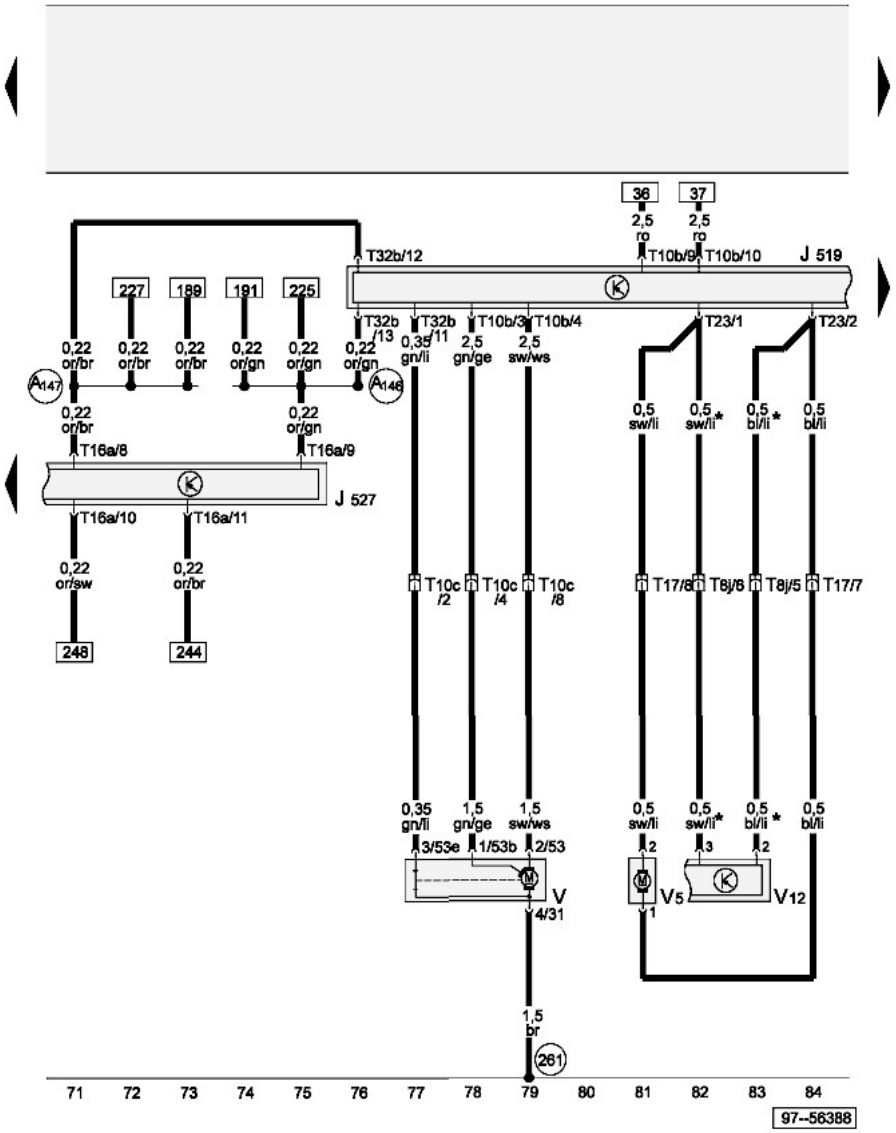
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Turn signal switch, intermittent wiper switch, steering angle sender, horn plate, steering column electronics control unit

E2 - Turn signal switch
E22 - Intermittent wiper switch
G85 - Steering angle sender
H - Horn plate
J527 - Steering column electronics control unit

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



ws = white
sw = black
ro = red
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gn = green
bl = blue
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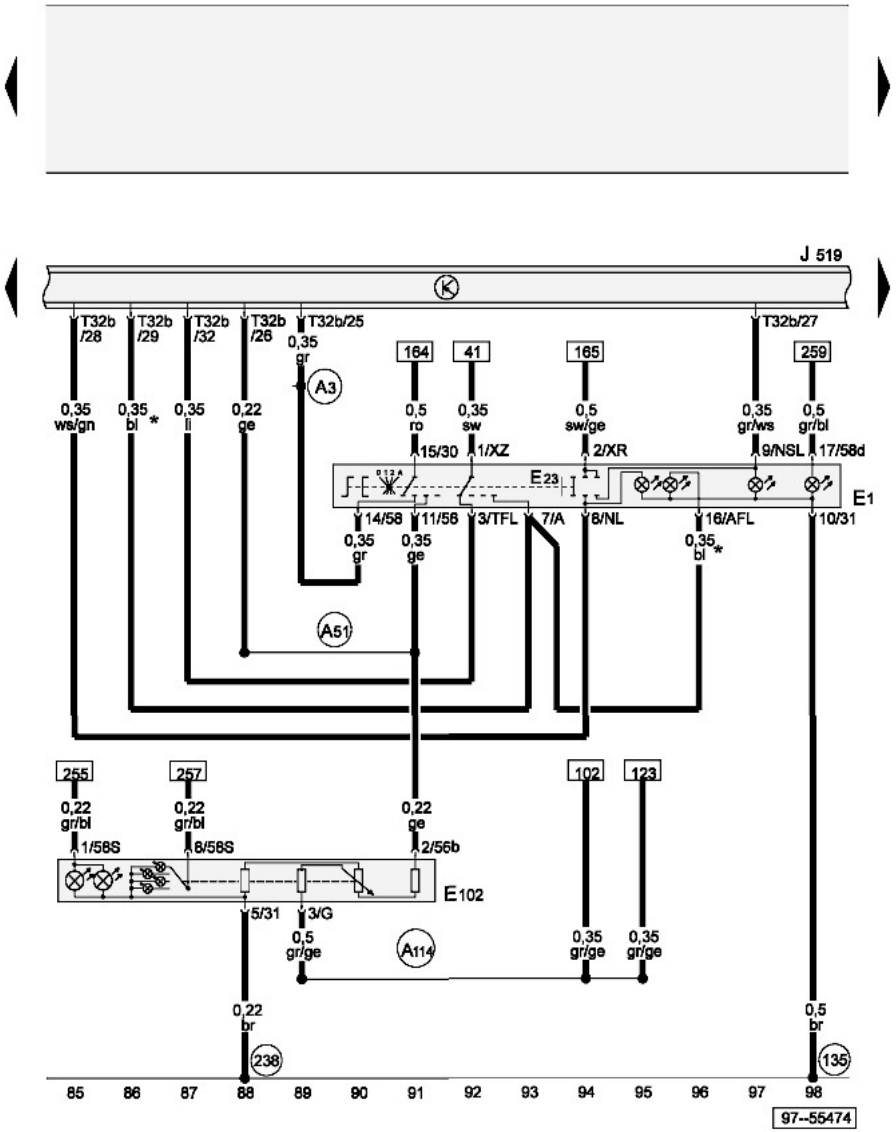
Onboard power supply control unit, steering column electronics control unit, windscreen wiper motor, washer pump, rear window wiper motor

J519	-	Onboard power supply control unit
J527	-	Steering column electronics control unit
T8j	-	8-pin connector, black, behind side trim, rear left
T10b	-	10-pin connector, black, on onboard power supply control unit
T10c	-	10-pin connector, purple, connector point, A pillar, left
T16a	-	16-pin connector, black, on steering column electronics control unit
T17	-	17-pin connector, black, connector point, A pillar, left
T23	-	23-pin connector, black, on onboard power supply control unit
T32b	-	32-pin connector, grey, on onboard power supply control unit
V	-	Windscreen wiper motor
V5	-	Windscreen washer pump
V12	-	Rear window wiper motor
261	-	Earth connection, in heated washer jet wiring harness
A146	-	Connection (convenience CAN bus, high), in dash panel wiring harness
A147	-	Connection (convenience CAN bus, low), in dash panel wiring harness
*	-	Avant models - see applicable Current Flow Diagram: Avant models, rear

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Current Flow Diagram

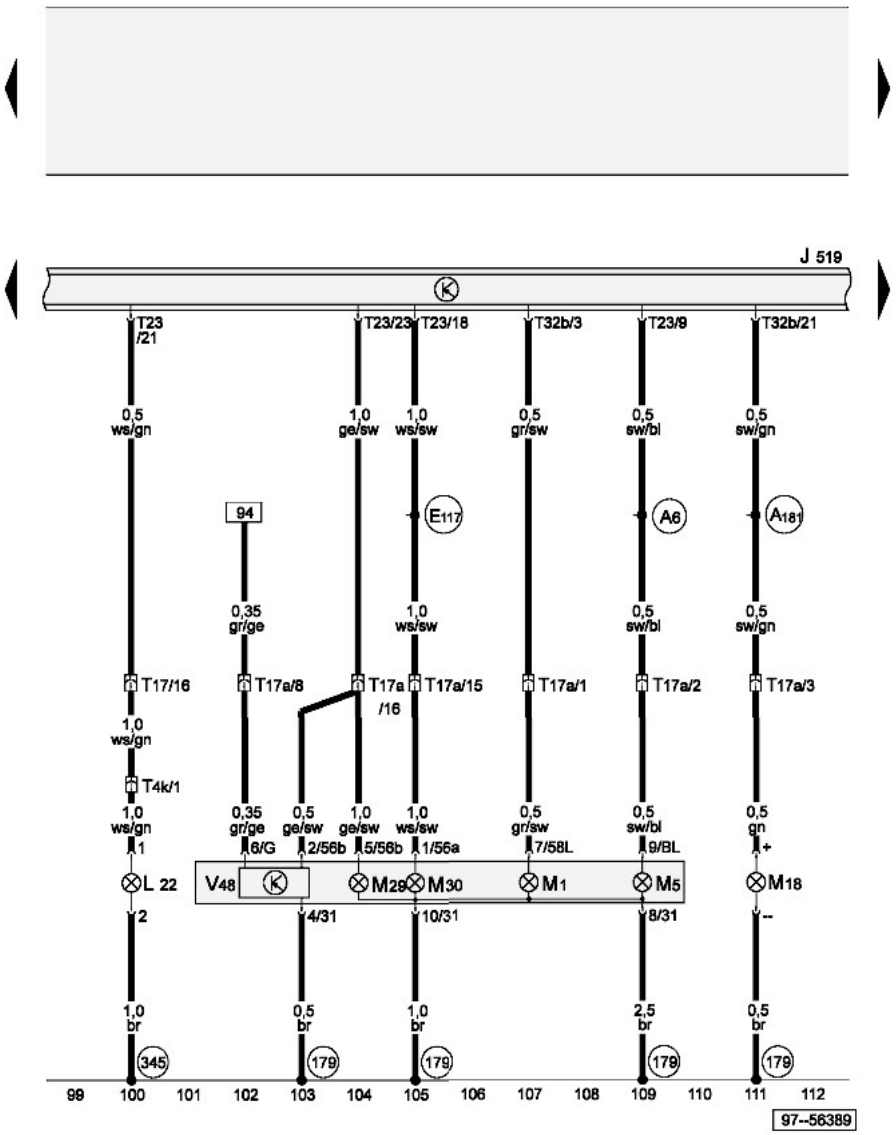
No. 42 / 8



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

Light switch, headlight range control adjuster, onboard power supply control unit

E1 - Lighting switch
E23 - Front and rear fog light switch
E102 - Headlight range control adjuster
J519 - Onboard power supply control unit
T32b - 32-pin connector, grey, on onboard power supply control unit
135 - Earth connection -2-, in dash panel wiring harness
238 - Earth connection -1-, in interior wiring harness
A3 - Positive (+) connection (58), in dash panel wiring harness
A51 - Connection (56), in dash panel wiring harness
A114 - Connection (headlight range control), in dash panel wiring harness
* - Only applies to models with automatic headlight switching with coming home function



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

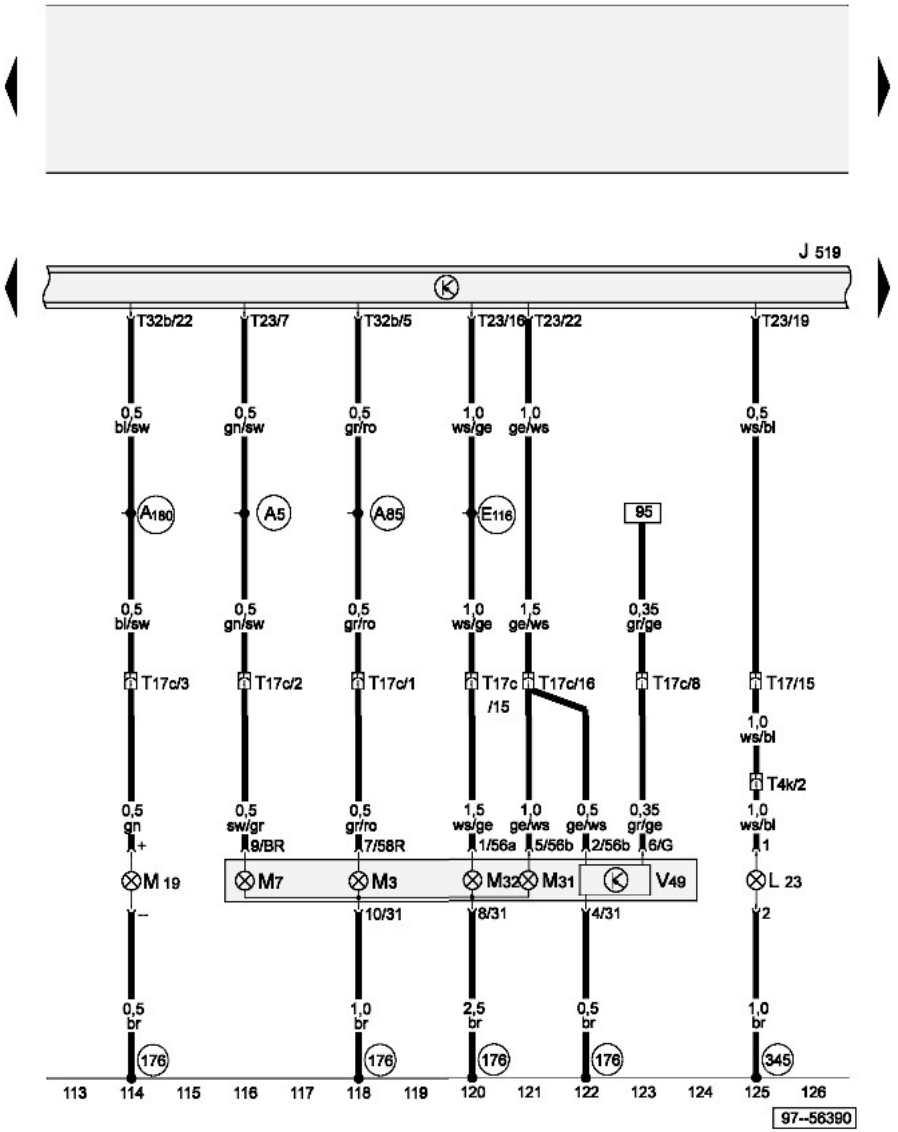
Left headlight, left fog light

J519 - Onboard power supply control unit
L22 - Fog light bulb, left
M1 - Side light bulb, left
M5 - Turn signal bulb, front left
M18 - Side turn signal bulb, left
M29 - Dipped beam bulb, left
M30 - Main beam bulb, left
T4k - 4-pin connector, black, near front bumper
T17 - 17-pin connector, black, connector point, A pillar, left
T17a - 17-pin connector, red, connector point, A pillar, left
T23 - 23-pin connector, black, on onboard power supply control unit
T32b - 32-pin connector, grey, on onboard power supply control unit
V48 - Headlight range control motor, left
179 - Earth connection, in left headlight wiring harness
345 - Earth connection, in bumper, horn/fog light wiring harness
A6 - Positive (+) connection (left turn signal), in dash panel wiring harness
A181 - Positive (+) connection -2- (left turn signal), in dash panel wiring harness
E117 - Connection (56a, left), in dash panel wiring harness

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Current Flow Diagram

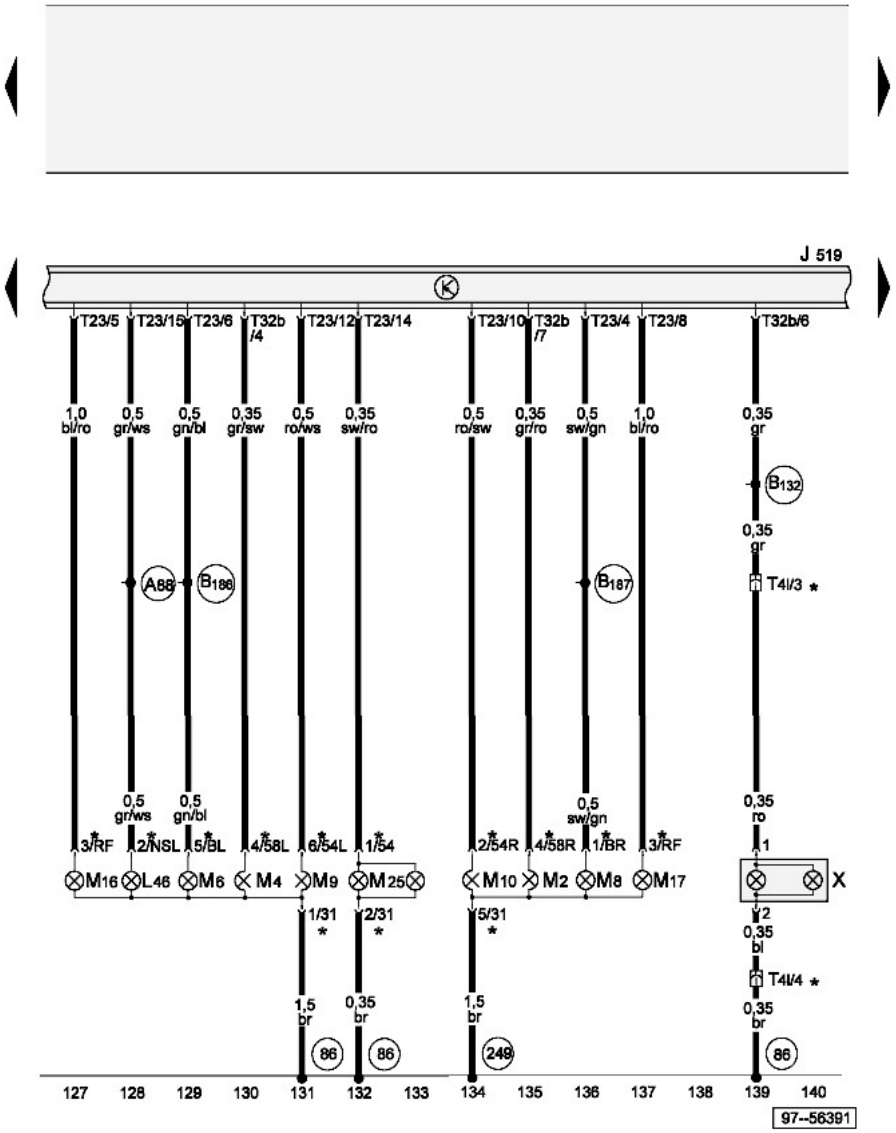
No. 42 / 10



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

Right headlight, right fog light

J519	-	Onboard power supply control unit
L23	-	Fog light bulb, right
M3	-	Side light bulb, right
M7	-	Turn signal bulb, front right
M19	-	Side turn signal bulb, right
M31	-	Dipped beam bulb, right
M32	-	Main beam bulb, right
T4k	-	4-pin connector, black, near front bumper
T17	-	17-pin connector, black, connector point, A pillar, left
T17c	-	17-pin connector, red, connector point, A pillar, right
T23	-	23-pin connector, black, on onboard power supply control unit
T32b	-	32-pin connector, grey, on onboard power supply control unit
V49	-	Headlight range control motor, right
176	-	Earth connection, in right headlight wiring harness
345	-	Earth connection, in bumper, horn/fog light wiring harness
A5	-	Positive (+) connection (right turn signal), in dash panel wiring harness
A85	-	Connection (58R), in dash panel wiring harness
A180	-	Positive (+) connection -2- (right turn signal), in dash panel wiring harness
E116	-	Connection (56a, right), in dash panel wiring harness



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

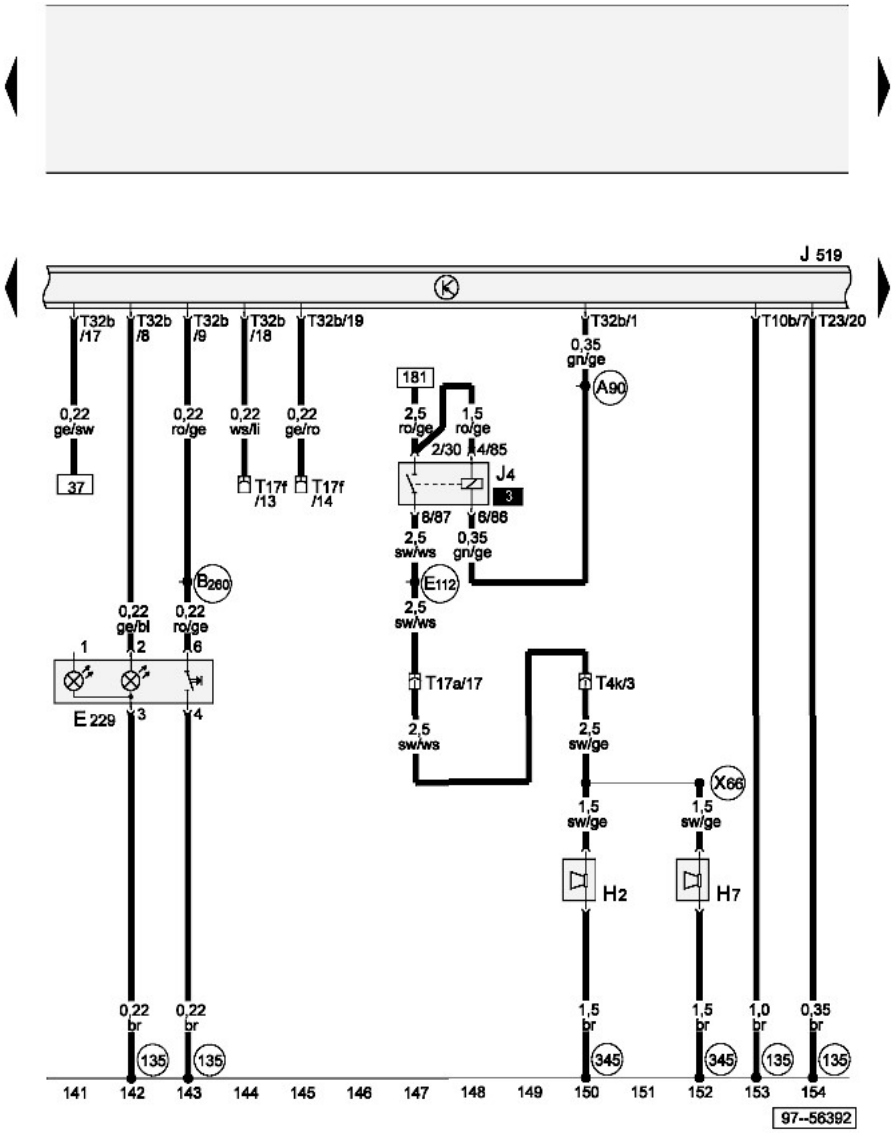
Tail lights

J519 - Onboard power supply control unit
L46 - Rear fog light bulb, left
M2 - Tail light bulb, right
M4 - Tail light bulb, left
M6 - Turn signal bulb, rear left
M8 - Turn signal bulb, rear right
M9 - Brake light bulb, left
M10 - Brake light bulb, right
M16 - Reversing light bulb, left
M17 - Reversing light bulb, right
M25 - High level brake light bulb
T4l - 4-pin connector, black, in tailgate/boot lid
T23 - 23-pin connector, black, on onboard power supply control unit
T32b - 32-pin connector, grey, on onboard power supply control unit
X - Number plate light
86 - Earth connection -1-, in rear wiring harness
249 - Earth connection -2-, in interior wiring harness
A88 - Connection (NSL (rear fog light)), in dash panel wiring harness
B132 - Connection (number plate light), in interior wiring harness
B186 - Connection -2- (BL (turn signal, left)), in interior wiring harness
B187 - Connection -2- (BR (turn signal, right)), in interior wiring harness
* - Avant models - see applicable Current Flow Diagram: Avant models, rear

Audi A4

Current Flow Diagram

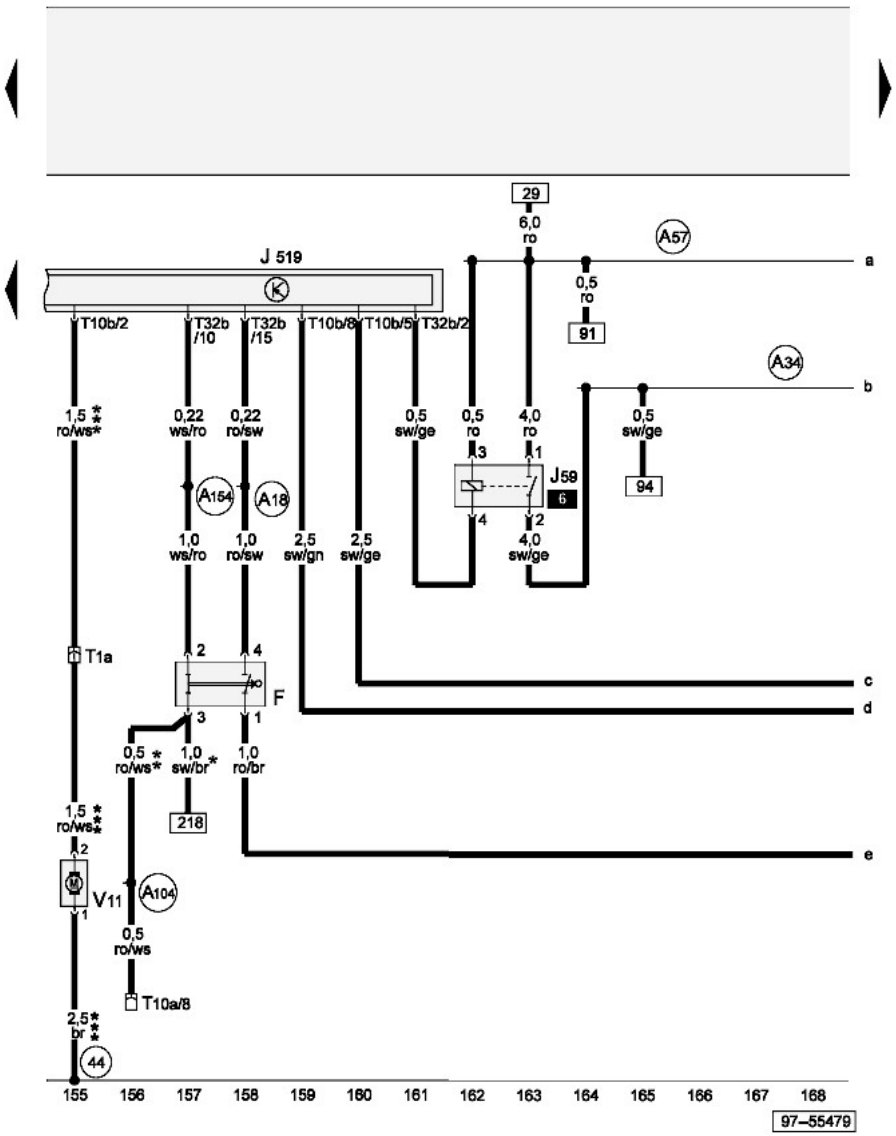
No. 42 / 12



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

Hazard warning lights button, dual tone horn, onboard power supply control unit

- E229 - Hazard warning lights button
- H2 - High tone horn
- H7 - Low tone horn
- J4 - Dual tone horn relay
- J519 - Onboard power supply control unit
- T4k - 4-pin connector, black, near front bumper
- T10b - 10-pin connector, black, on onboard power supply control unit
- T17a - 17-pin connector, red, connector point, A pillar, left
- T17f - 17-pin connector, orange, connector point, A pillar, left
- T23 - 23-pin connector, black, on onboard power supply control unit
- T32b - 32-pin connector, grey, on onboard power supply control unit
- 135 - Earth connection -2-, in dash panel wiring harness
- 345 - Earth connection, in bumper, horn/fog light wiring harness
- A90 - Connection (dual tone horn), in dash panel wiring harness
- B260 - Connection (hazard warning lights), in interior wiring harness
- E112 - Connection (horn-87h), in dash panel wiring harness
- X66 - Connection (horn), in front bumper wiring harness



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ro = red
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li = purple
ge = yellow
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rs = pink

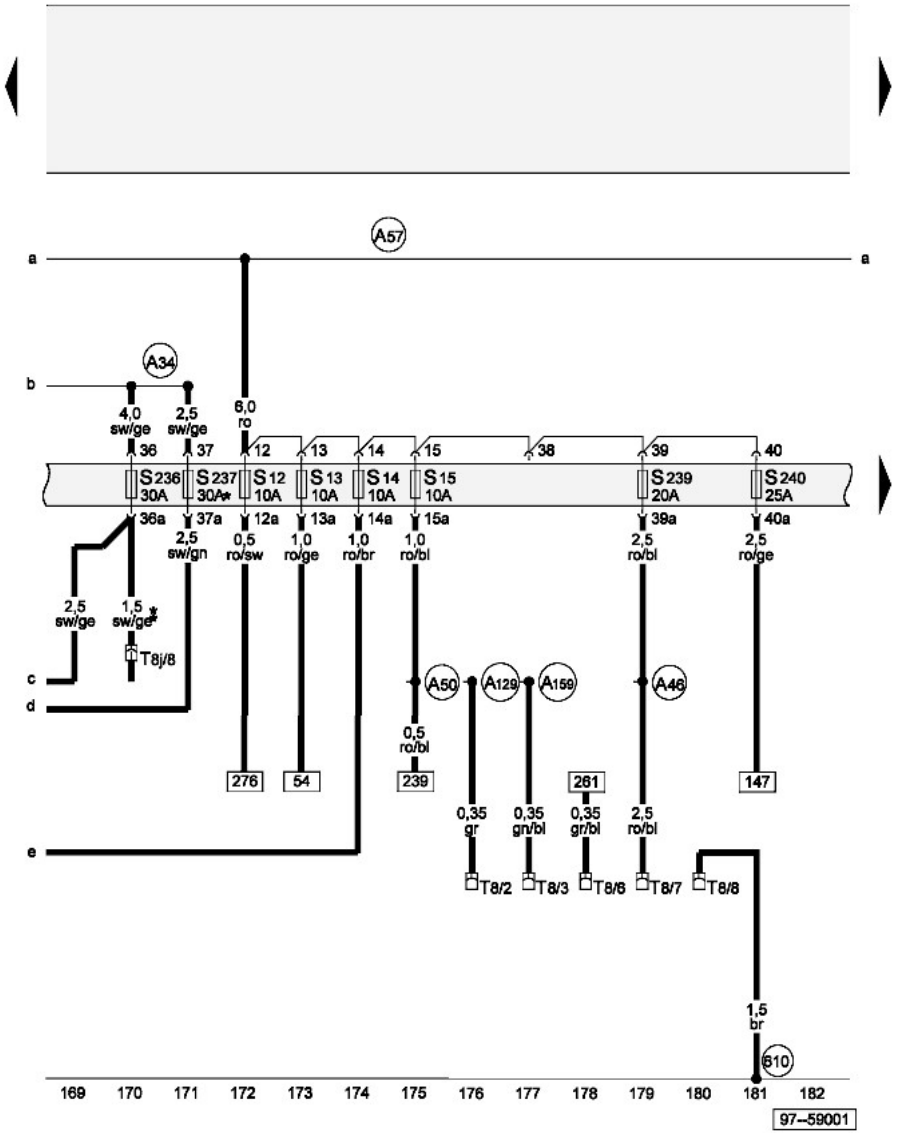
Brake light switch, X contact relief relay, headlight washer system pump, onboard power supply control unit

F - Brake light switch
J59 - X contact relief relay
J519 - Onboard power supply control unit
T1a - Single connector, black, connector point, A pillar, left
T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
T10b - 10-pin connector, black, on onboard power supply control unit
T32b - 32-pin connector, grey, on onboard power supply control unit
V11 - Headlight washer system pump
44 - Earth point, lower part of left A pillar
A18 - Connection (54), in dash panel wiring harness
A34 - Connection (75x), in dash panel wiring harness
A57 - Positive (+) connection -3- (30), in dash panel wiring harness
A104 - Positive (+) connection -2- (15), in dash panel wiring harness
A154 - Connection (brake pedal switch), in dash panel wiring harness
* - Only applies to models with petrol engine
** - Only applies to models with diesel engine
*** - Protected via fuse S237, only applies to models with headlight washer system

Audi A4

Current Flow Diagram

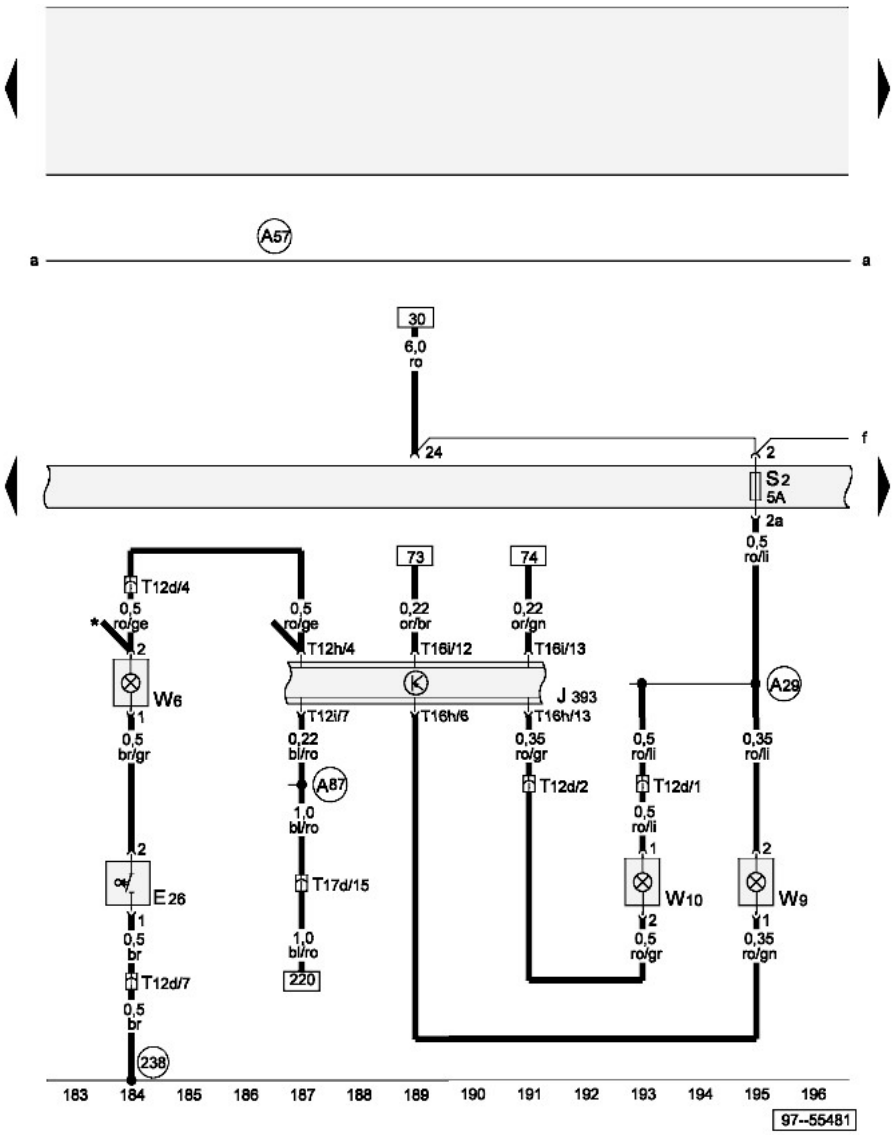
No. 42 / 14



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

Fuses, radio connector III

S12 - Fuse in fuse box/relay plate
S13 - Fuse in fuse box/relay plate
S14 - Fuse in fuse box/relay plate
S15 - Fuse in fuse box/relay plate
S236 - Fuse in fuse box
S237 - Fuse in fuse box (headlight washer system)
S239 - Fuse in fuse box
S240 - Fuse in fuse box
T8 - 8-pin connector, black, radio connector III
T8j - 8-pin connector, black, behind side trim, rear left
610 - Earth point (audio), below centre console, front
A34 - Connection (75x), in dash panel wiring harness
A46 - Positive (+) connection (30 - from radio), in dash panel wiring harness
A50 - Positive (+) connection (30as), in dash panel wiring harness
A57 - Positive (+) connection -3- (30), in dash panel wiring harness
A129 - Connection (muting), in dash panel wiring harness
A159 - Connection (L), in dash panel wiring harness
* - Fuse rating increased from 25 A to 30 A.
** - Avant models - see applicable Current Flow Diagram: Avant models, rear



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sw = black
ro = red
br = brown
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bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink

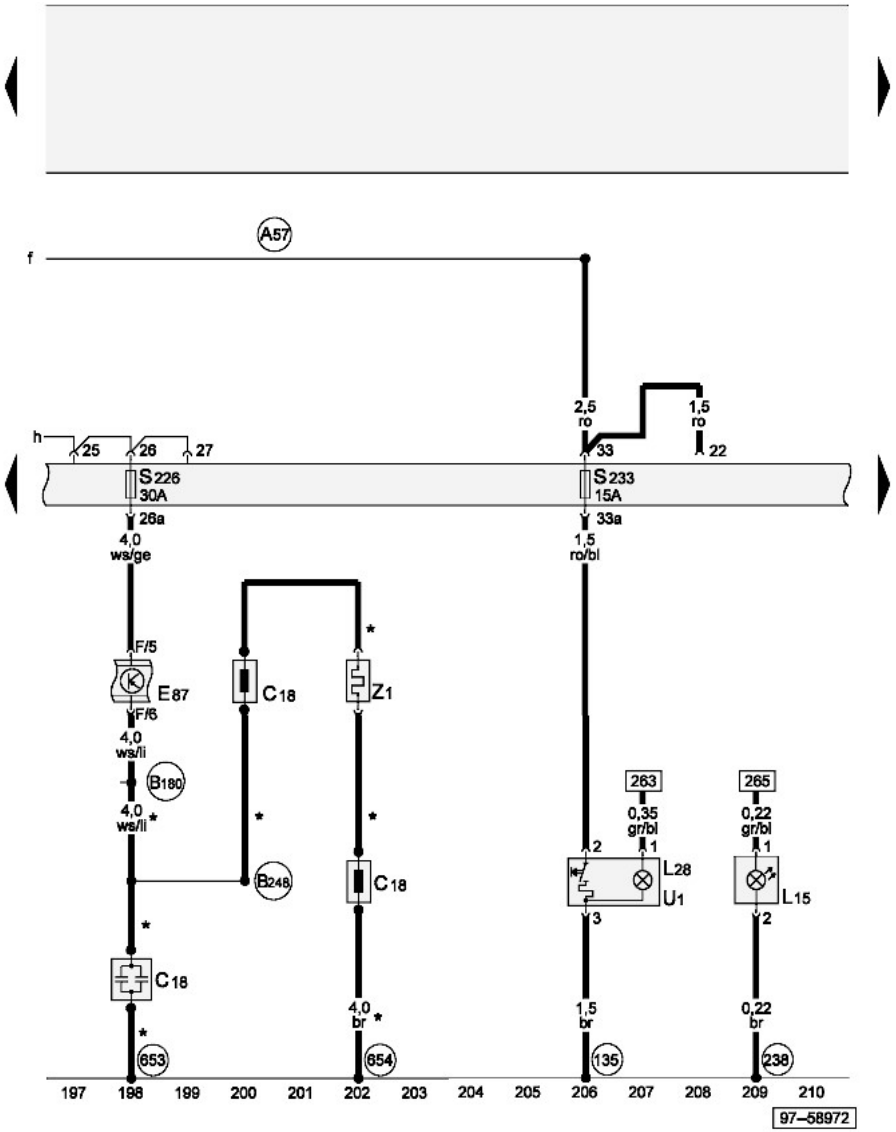
Fuses, glove box light, footwell lights

E26	-	Glove box light switch
J393	-	Convenience system central control unit
S2	-	Fuse in fuse box/relay plate
T12d	-	12-pin connector, brown, near glove box
T12h	-	12-pin connector, black, on convenience system central control unit (used to be connector I)
T12i	-	12-pin connector, black, on convenience system central control unit (used to be connector III)
T16h	-	16-pin connector, black, on convenience system central control unit (used to be connector II)
T16i	-	16-pin connector, brown, on convenience system central control unit (used to be connector V)
T17d	-	17-pin connector, red, connector point, electronics box, plenum chamber
W6	-	Glove box light
W9	-	Left footwell light
W10	-	Right footwell light
238	-	Earth connection -1-, in interior wiring harness
A29	-	Connection (interior light), in dash panel wiring harness
A57	-	Positive (+) connection -3- (30), in dash panel wiring harness
A87	-	Connection (RF (reversing light)), in dash panel wiring harness
*	-	Only applies to models with airbag disabling key switch

Audi A4

Current Flow Diagram

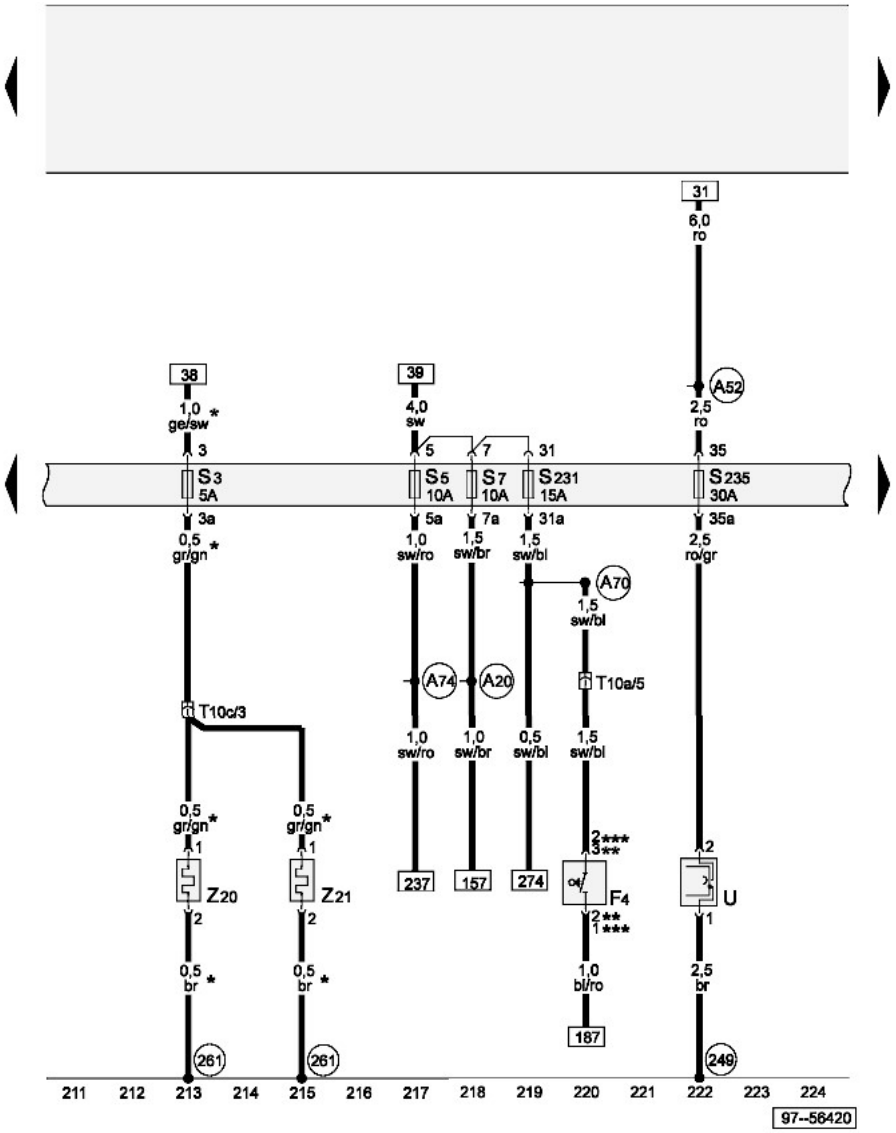
No. 42 / 16



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

Fuses, ashtray illumination, cigarette lighter, heated rear window

C18 - Window aerial suppression filter
E87 - Air conditioning system/Climatronic operating and display unit
L15 - Ashtray light bulb
L28 - Cigarette lighter light bulb
S226 - Fuse in fuse box
S233 - Fuse in fuse box
U1 - Cigarette lighter
Z1 - Heated rear window
135 - Earth connection -2-, in dash panel wiring harness
238 - Earth connection -1-, in interior wiring harness
653 - Earth point, left D pillar
654 - Earth point, right D pillar
A57 - Positive (+) connection -3- (30), in dash panel wiring harness
B180 - Connection (heated rear window), in interior wiring harness
B248 - Connection -2- (heated rear window), in interior wiring harness
* - Avant models - see applicable Current Flow Diagram: Avant models, rear



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

Fuses, reversing light switch, socket, heated washer jets

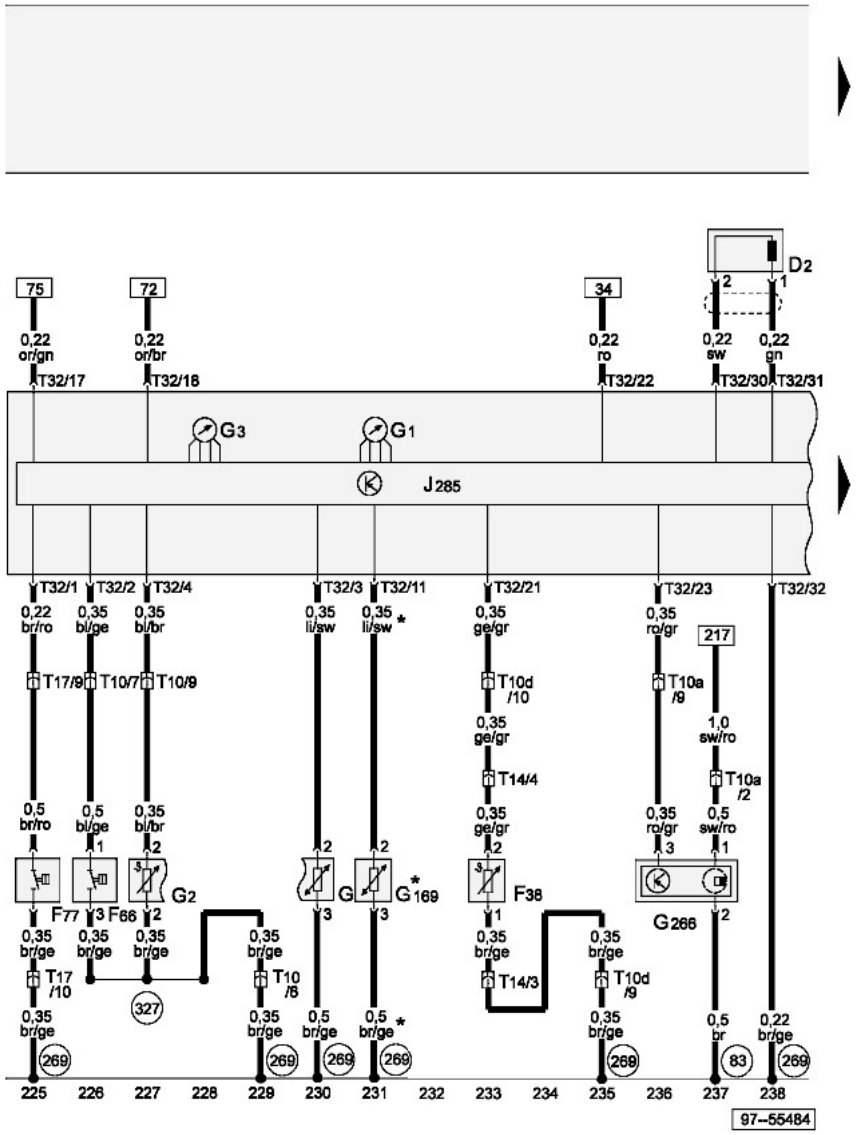
F4 - Reversing light switch
S3 - Fuse in fuse box/relay plate
S5 - Fuse in fuse box/relay plate
S7 - Fuse in fuse box/relay plate
S231 - Fuse in fuse box
S235 - Fuse in fuse box
T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
T10c - 10-pin connector, purple, connector point, A pillar, left
U - Socket
Z20 - Heater element, left washer jet
Z21 - Heater element, right washer jet
249 - Earth connection -2-, in interior wiring harness
261 - Earth connection, in heated washer jet wiring harness
A20 - Connection (15a), in dash panel wiring harness
A52 - Positive (+) connection -2- (30), in dash panel wiring harness
A70 - Connection (15a, fuse 231), in dash panel wiring harness
A74 - Connection (15a, fuse 5), in dash panel wiring harness

* - Only applies to models with heater element for washer jet
** - Only applies to models with 5-speed manual gearbox
*** - Only applies to models with 6-speed manual gearbox

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Current Flow Diagram

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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

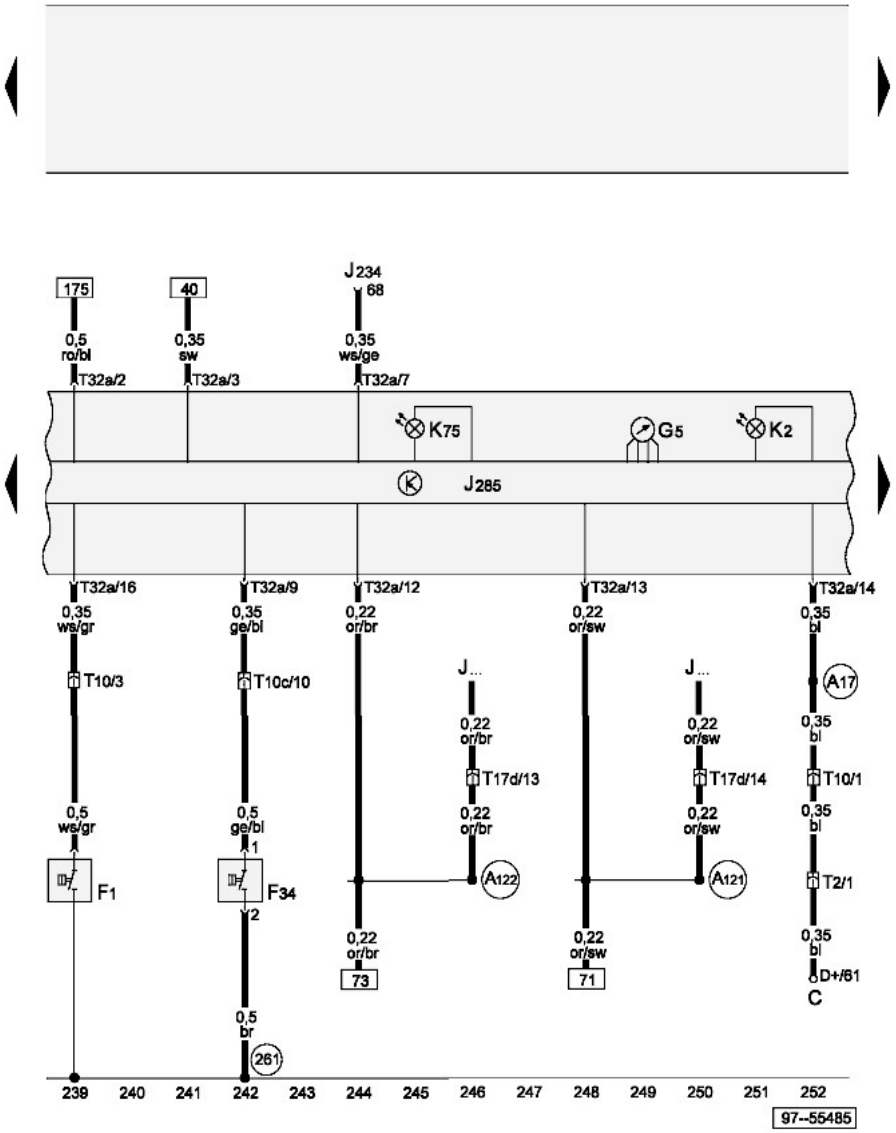
Fuel gauge sender, ambient temperature switch, oil level/oil temperature sender, coolant temperature sender, coolant shortage indicator switch

- D2 - Immobilizer reading coil
- F38 - Ambient temperature switch
- F66 - Coolant shortage indicator switch
- F77 - Windscreen washer fluid warning contact
- G - Fuel gauge sender
- G1 - Fuel gauge
- G2 - Coolant temperature sender
- G3 - Coolant temperature gauge
- G169 - Fuel gauge sender -2-
- G266 - Oil level/oil temperature sender
- J285 - Control unit with display in dash panel insert
- T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
- T10a - 10-pin connector, brown, connector point, electronics box, plenum chamber
- T10d - 10-pin connector, grey, connector point, A pillar, left
- T14 - 14-pin connector, black, in engine compartment, left
- T17 - 17-pin connector, black, connector point, A pillar, left
- T32 - 32-pin connector, blue, on dash panel insert
- 83 - Earth connection -1-, in front right wiring harness
- 269 - Earth connection (sender earth) -1-, in dash panel wiring harness
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- * - Only models with four-wheel drive

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Current Flow Diagram

No. 42 / 19



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

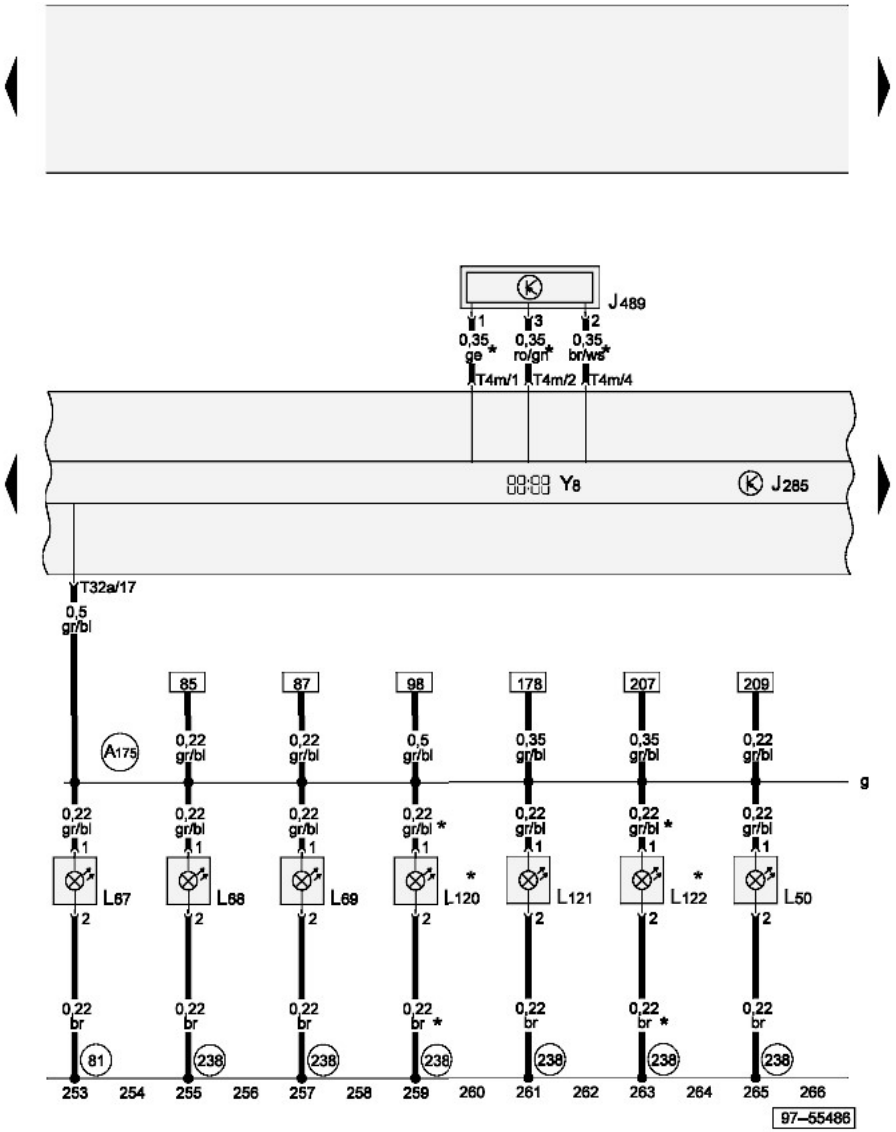
Control unit with display in dash panel insert, brake fluid level warning contact, oil pressure switch

C - Alternator
F1 - Oil pressure switch
F34 - Brake fluid level warning contact
G5 - Rev. counter
J... - Engine control units
J234 - Airbag control unit
J285 - Control unit with display in dash panel insert
K2 - Alternator warning lamp
K75 - Airbag warning lamp
T2 - 2-pin connector, black, engine compartment, right
T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
T10c - 10-pin connector, purple, connector point, A pillar, left
T17d - 17-pin connector, red, connector point, electronics box, plenum chamber
T32a - 32-pin connector, green, on dash panel insert
261 - Earth connection, in heated washer jet wiring harness
A17 - Connection (61), in dash panel wiring harness
A121 - Connection (high bus), in dash panel wiring harness
A122 - Connection (low bus), in dash panel wiring harness

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Current Flow Diagram

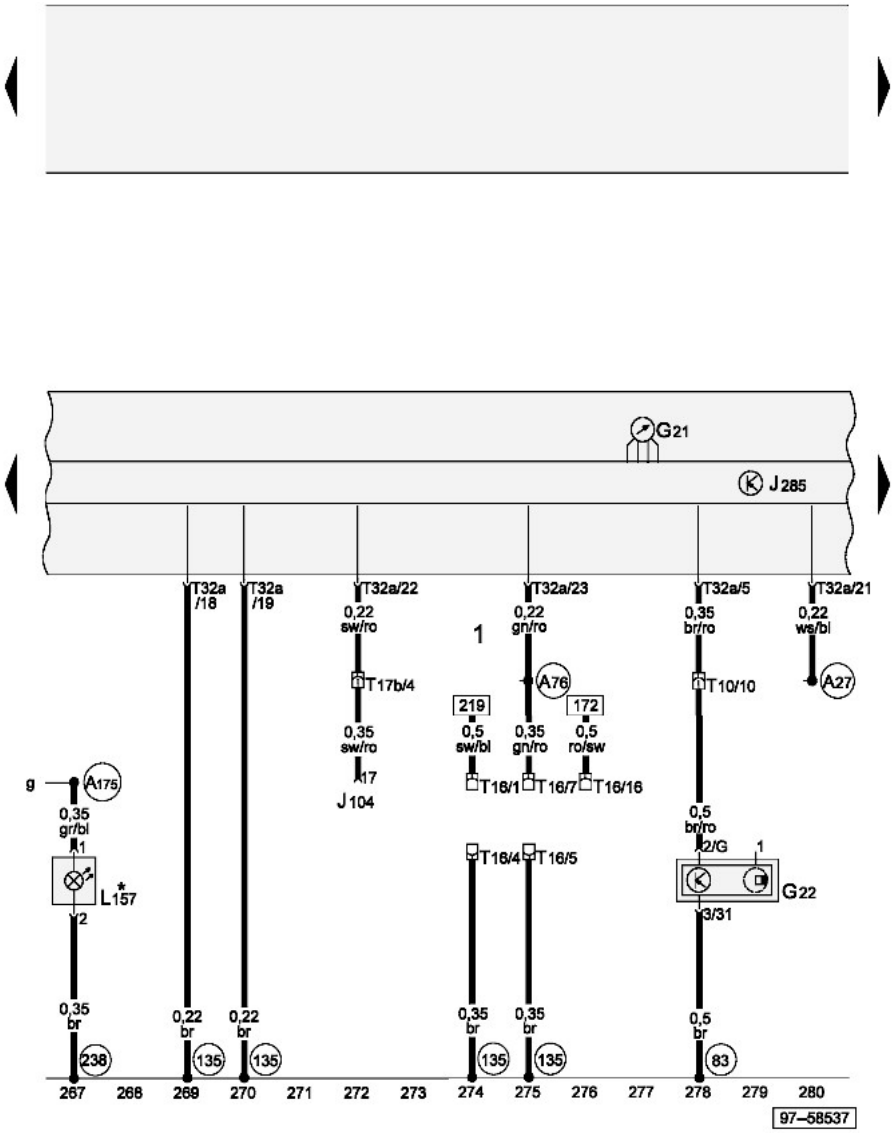
No. 42 / 20



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

Control unit with display in dash panel insert, illumination for dash panel vents, radio controlled clock

J285 - Control unit with display in dash panel insert
J489 - Radio controlled clock receiver
L50 - Rear centre ashtray light bulb
L67 - Dash panel left vent illumination
L68 - Dash panel central vent illumination
L69 - Dash panel right vent illumination
L120 - Shelf illumination
L121 - Cup holder illumination
L122 - Coin holder illumination
T4m - 4-pin connector, black, on dash panel insert
T32a - 32-pin connector, green, on dash panel insert
Y8 - Radio controlled clock
81 - Earth connection -1-, in dash panel wiring harness
238 - Earth connection -1-, in interior wiring harness
A175 - Connection (58s), in dash panel wiring harness
* - Depending on vehicle equipment



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

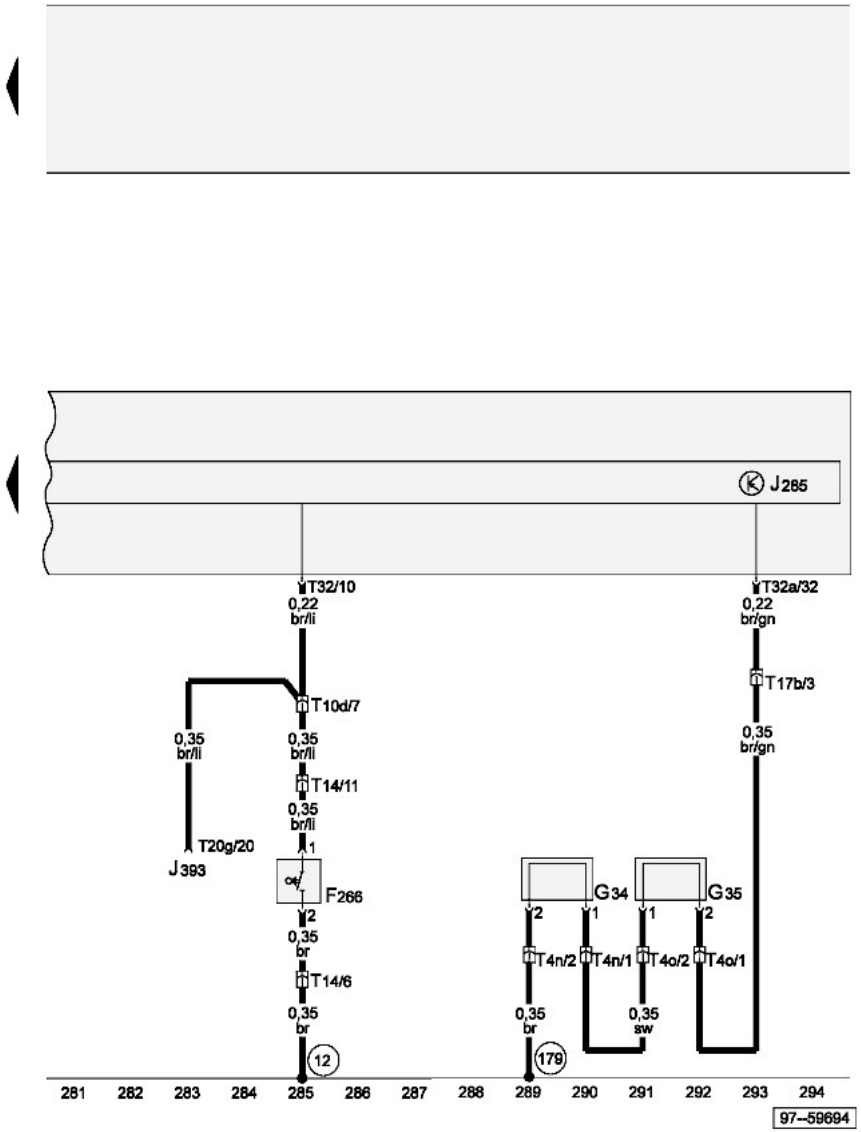
Control unit with display in dash panel insert, diagnostic connector, speedometer sender

G21 - Speedometer
G22 - Speedometer sender (Hall sender, on gearbox)
J104 - ABS with EDL control unit
J285 - Control unit with display in dash panel insert
L157 - Centre armrest illumination
T10 - 10-pin connector, black, connector point, electronics box, plenum chamber
T16 - 16-pin connector, black, diagnostic connector
T17b - 17-pin connector, green, connector point, A pillar, left
T32a - 32-pin connector, green, on dash panel insert
83 - Earth connection -1-, in front right wiring harness
135 - Earth connection -2-, in dash panel wiring harness
238 - Earth connection -1-, in interior wiring harness
A27 - Connection (speed signal), in dash panel wiring harness
A76 - Connection (diagnosis wire K), in dash panel wiring harness
A175 - Connection (58s), in dash panel wiring harness
* - Depending on vehicle equipment

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Current Flow Diagram

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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

Control unit with display in dash panel insert, brake lining/pad wear senders, bonnet contact switch

F266 - Bonnet contact switch
G34 - Brake lining/pad wear sender, front left
G35 - Brake lining/pad wear sender, front right
J285 - Control unit with display in dash panel insert
J393 - Convenience system central control unit
T4n - 4-pin connector, black, front left
T4o - 4-pin connector, black, front right
T10d - 10-pin connector, grey, connector point, A pillar, left
T14 - 14-pin connector, black, in engine compartment, left
T17b - 17-pin connector, green, connector point, A pillar, left
T20g - 20-pin connector, red, on convenience system central control unit (used to be connector 4)
T32 - 32-pin connector, blue, on dash panel insert
T32a - 32-pin connector, green, on dash panel insert
12 - Earth point, in engine compartment, left
179 - Earth connection, in left headlight wiring harness