

Audi A3

Current Flow Diagram

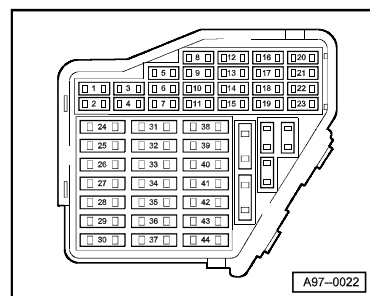
No. 1 / 1

Edition 09.1999

Basic equipment and Audi A3 (1,8 l litre fuel injection engine, 92 kW, Motronic, 4-cylinder) engine codes AGN

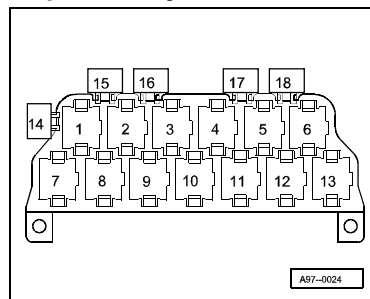
From model year 1997

Fuse box:



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

13-point relay carrier:



Position of relays:

11 - Starter inhibitor and reversing light relay

Fuse colours

30 A - green

25 A - white

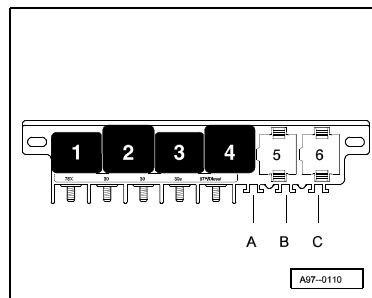
20 A - yellow

15 A - blue

10 A - red

5A - beige

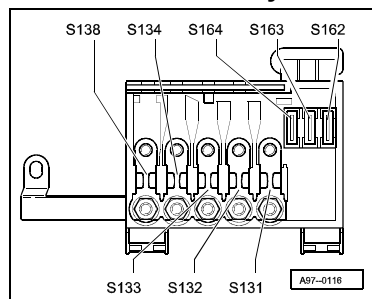
Micro-central electrics:



Position of relays:

- 1 - Dual tone horn relay
- 2 - X contact relief relay
- 3 - Automatic intermittent wash/wipe relay
- 4 - Fuel pump relay

Main fuse box/battery:



Fuse colours

- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- S138 - Fuse 5
- S162 - 1 in fuse box/battery
- S163 - 2 in fuse box/battery
- S164 - 3 in fuse box/battery

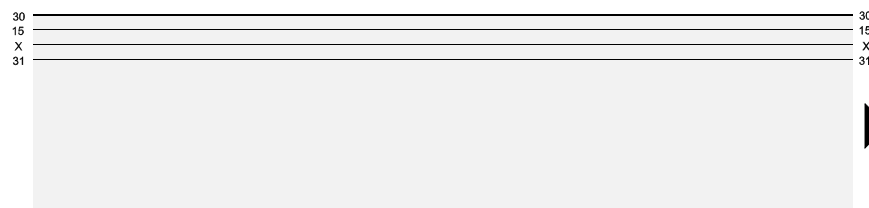
S133 - S132

S131

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Current Flow Diagram

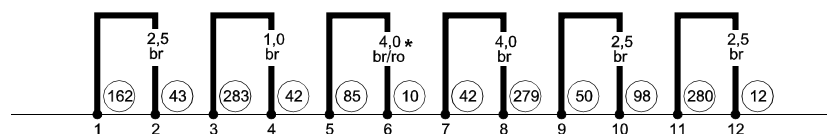
No. 1 / 2



Earth connections

- 10 - Earth point, in plenum chamber
- 12 - Earth point, in engine compartment, left
- 42 - Earth point, next to steering column, right
- 43 - Earth point, lower part of right A-pillar
- 50 - Earth point, on left luggage compartment
- 85 - Earth connection -1-, in engine compartment wiring harness
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 162 - Earth connection, in blower motor wiring harness
- 279 - Earth connection --5-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness
- 283 - Earth connection -3-, in engine compartment wiring harness
- * - Only models with manual gearbox

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

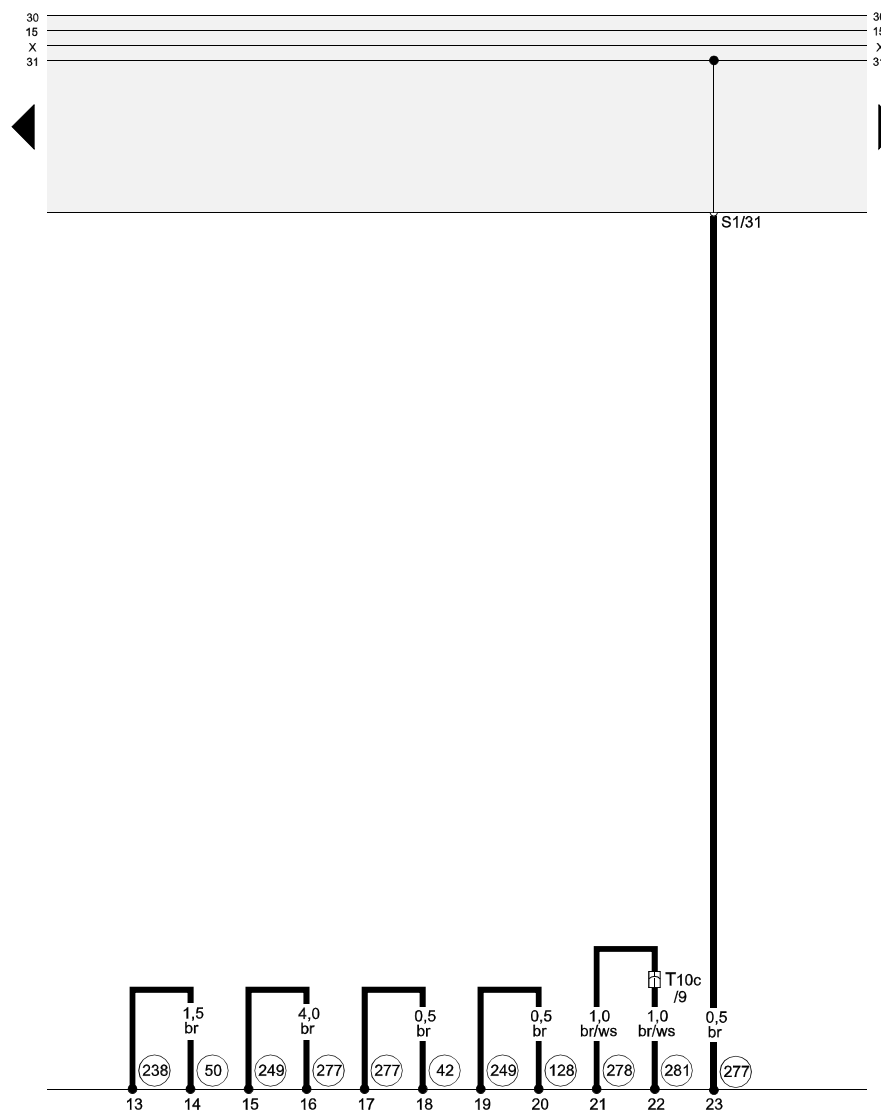


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Current Flow Diagram

No. 1 / 3



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

Earth connections

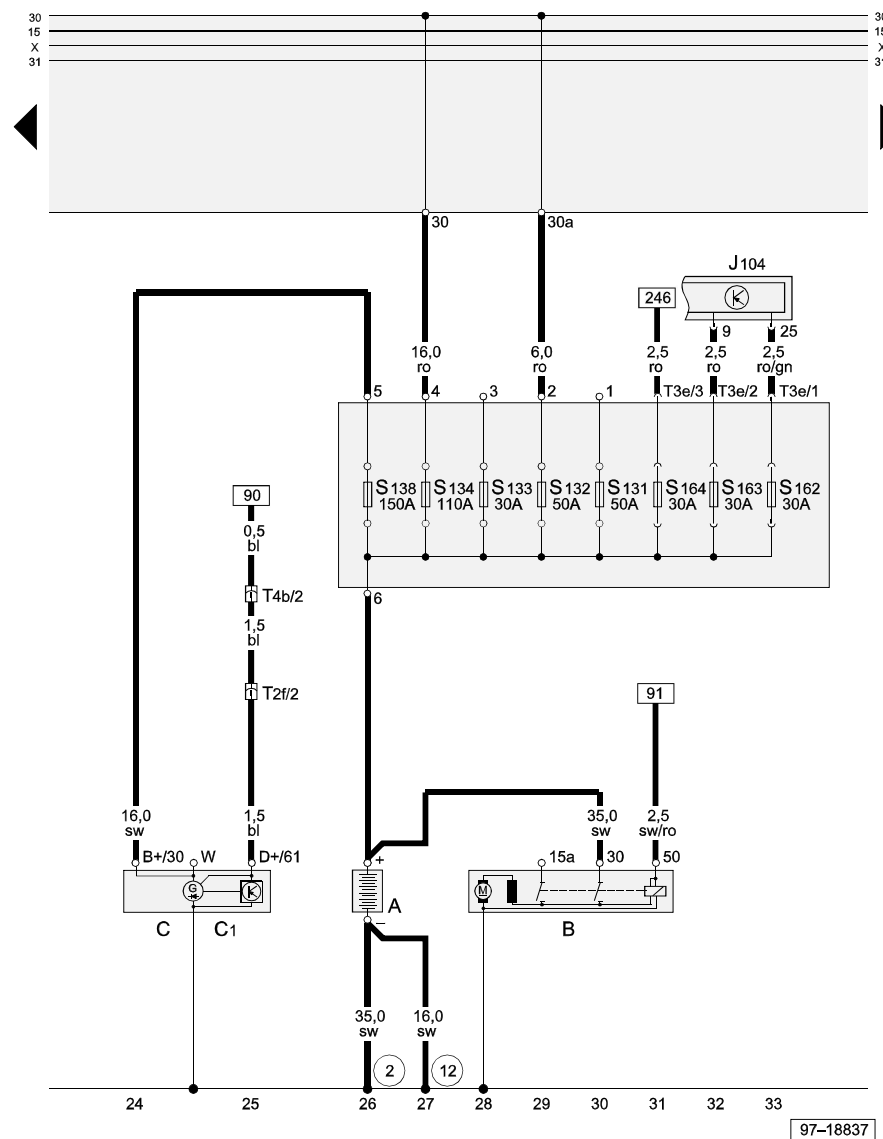
- T10c - 10-pin connector, black, wiring duct, in engine compartment, left
- 42 - Earth point, next to steering column, right
- 50 - Earth point, on left luggage compartment
- 128 - Earth connection -1-, in interior light wiring harness
- 238 - Earth connection -1-, in interior wiring harness
- 249 - Earth connection -2-, in interior wiring harness
- 277 - Earth connection --3-, in interior wiring harness
- 278 - Earth connection -4-, in interior wiring harness
- 281 - Earth connection -1-, in engine prewiring wiring harness

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Current Flow Diagram

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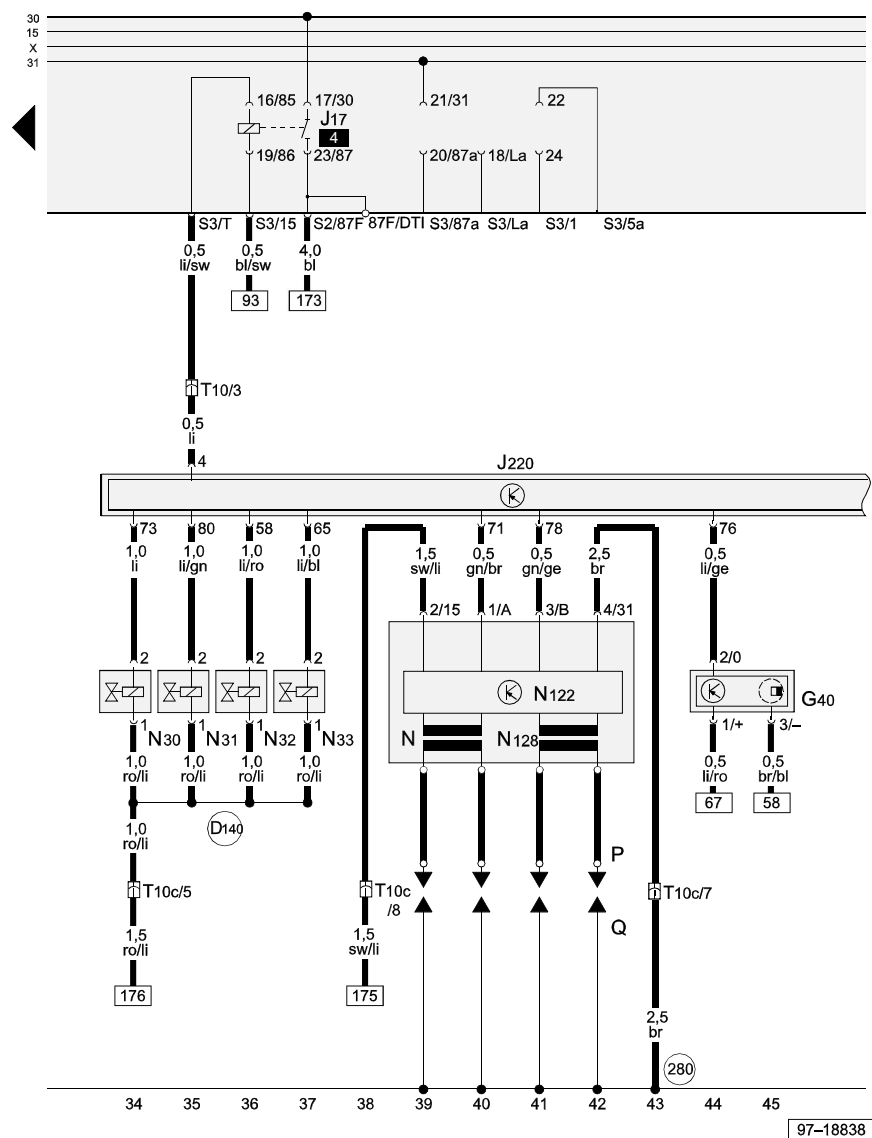
Battery, starter, alternator, main fuse box/battery

- A - Battery
- B - Starter
- C - Alternator
- C1 - Voltage regulator
- J104 - ABS with EDL control unit
- S131 - Fuse 1
- S132 - Fuse 2
- S133 - Fuse 3
- S134 - Fuse 4
- S138 - Fuse 5
- S162 - 1 in fuse box/battery
- S163 - 2 in fuse box/battery
- S164 - 3 in fuse box/battery
- T2f - 2-pin connector, wiring duct, in engine compartment, left
- T3e - 3-pin connector, black, on main fuse box/battery
- T4b - 4-pin connector, in engine compartment, left
- 2 - Earth strap, gearbox - body
- 12 - Earth point, in engine compartment, left

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Current Flow Diagram

No. 1 / 5



Motronic control unit, fuel pump relay, injectors, ignition system, Hall sender

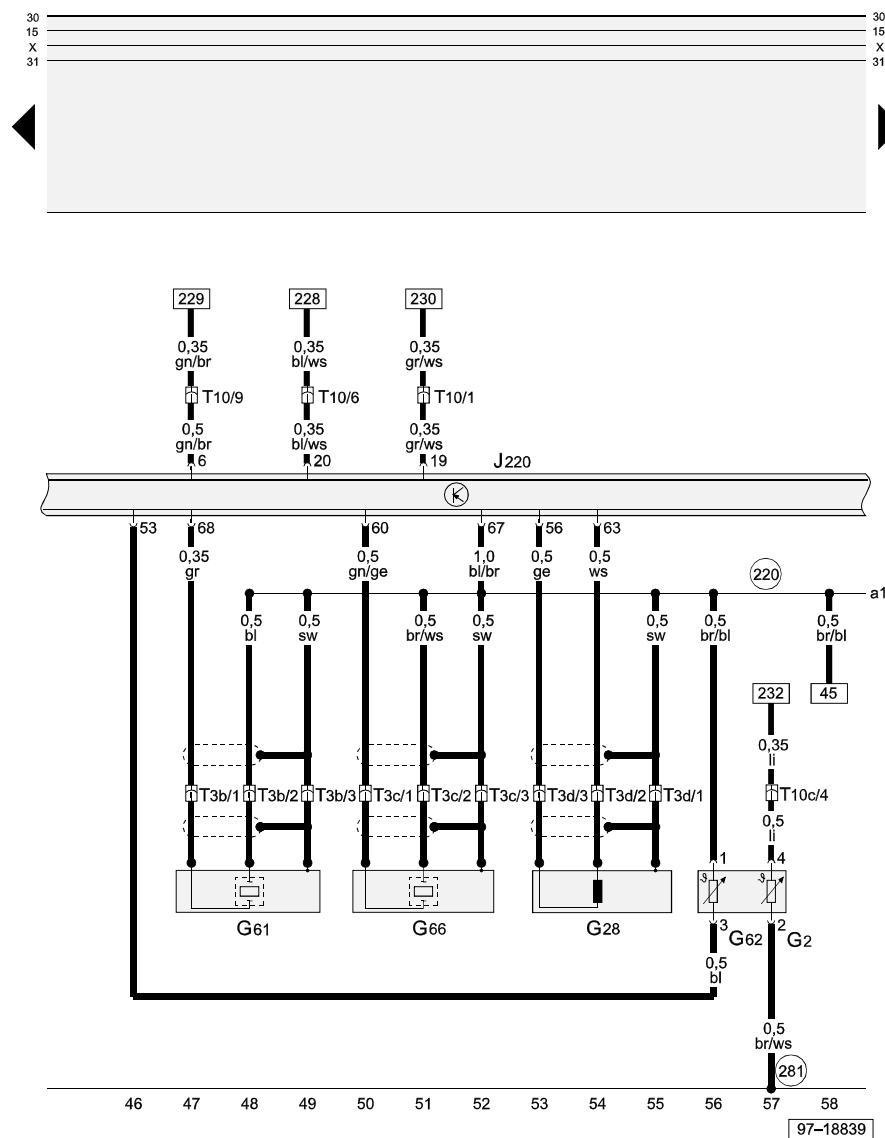
- G40 - Hall sender
- J17 - Fuel pump relay
- J220 - Motronic control unit
- N - Ignition coil 1
- N30 - Injector, cylinder 1
- N31 - Injector, cylinder 2
- N32 - Injector, cylinder 3
- N33 - Injector, cylinder 4
- N122 - Final output stage
- N128 - Ignition coil 2
- P - Spark plug connector
- Q - Spark plugs
- T10 - 10-pin connector, white, in plenum chamber
- T10c - 10-pin connector, black, wiring duct, in engine compartment, left
- 280 - Earth connection -2-, in engine compartment wiring harness
- D140 - Connection (injectors), in engine prewiring wiring harness

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

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Motronic control unit, knock sensors, engine speed sender, coolant temperature senders

- G2 - Coolant temperature sender
- G28 - Engine speed sender
- G61 - Knock sensor 1
- G62 - Coolant temperature sender
- G66 - Knock sensor 2
- J220 - Motronic control unit
- T3b - 3-pin connector, blue, in engine compartment
- T3c - 3-pin connector, grey, in engine compartment
- T3d - 3-pin connector, white, in engine compartment
- T10 - 10-pin connector, white, in plenum chamber
- T10c - 10-pin connector, black, wiring duct, in engine compartment, left
- 220 - Earth connection (sender earth), in engine wiring harness
- 281 - Earth connection -1-, in engine prewiring wiring harness

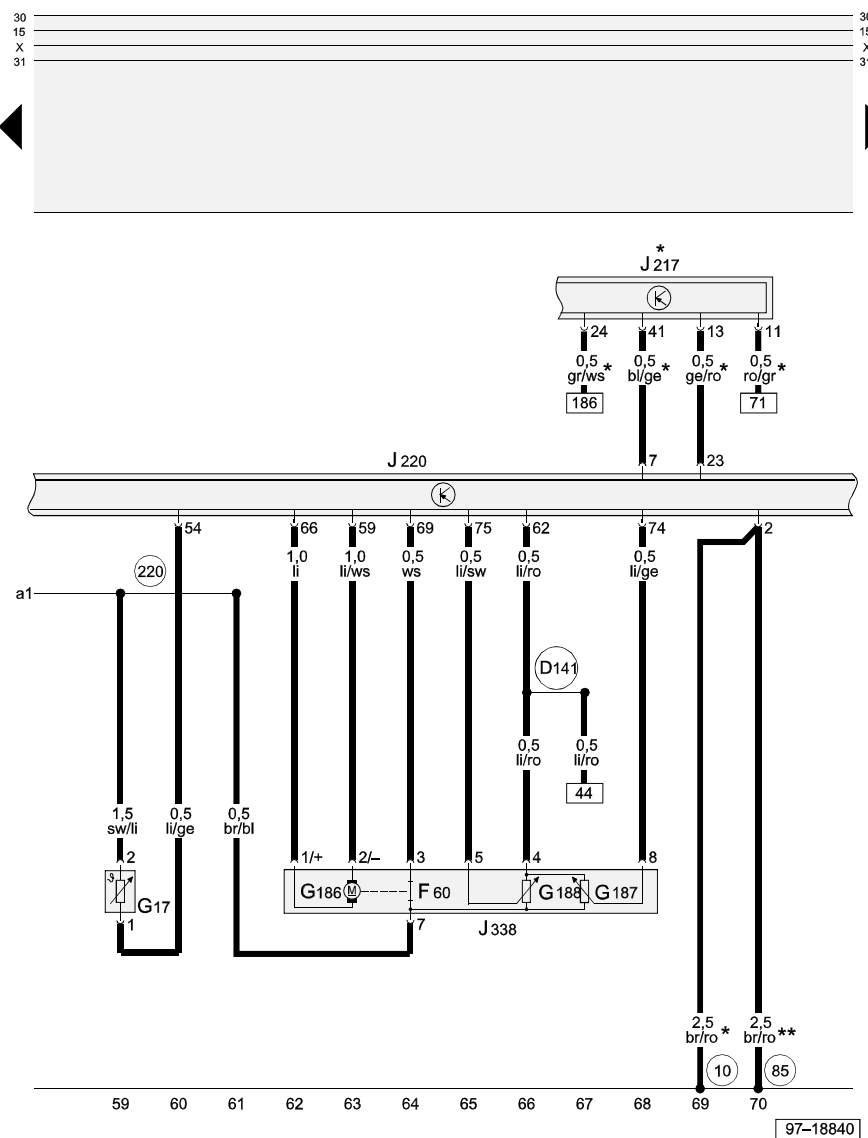
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Current Flow Diagram

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**Motronic control unit, throttle valve control unit, ambient temperature sensor**

- F60 - Idling switch
- G17 - Ambient temperature sensor
- G186 - Throttle valve drive
- G187 - Throttle valve drive angle sender -1-
- G188 - Throttle valve drive angle sender -2-
- J217 - Automatic gearbox control unit
- J220 - Motronic control unit
- J338 - Throttle valve control unit
- 10 - Earth point, in plenum chamber
- 85 - Earth connection -1-, in engine compartment wiring harness
- 220 - Earth connection (sender earth), in engine wiring harness
- D141 - Connection (5V), in engine prewiring wiring harness
- * - Only models with automatic gearbox
- ** - Only models with manual gearbox

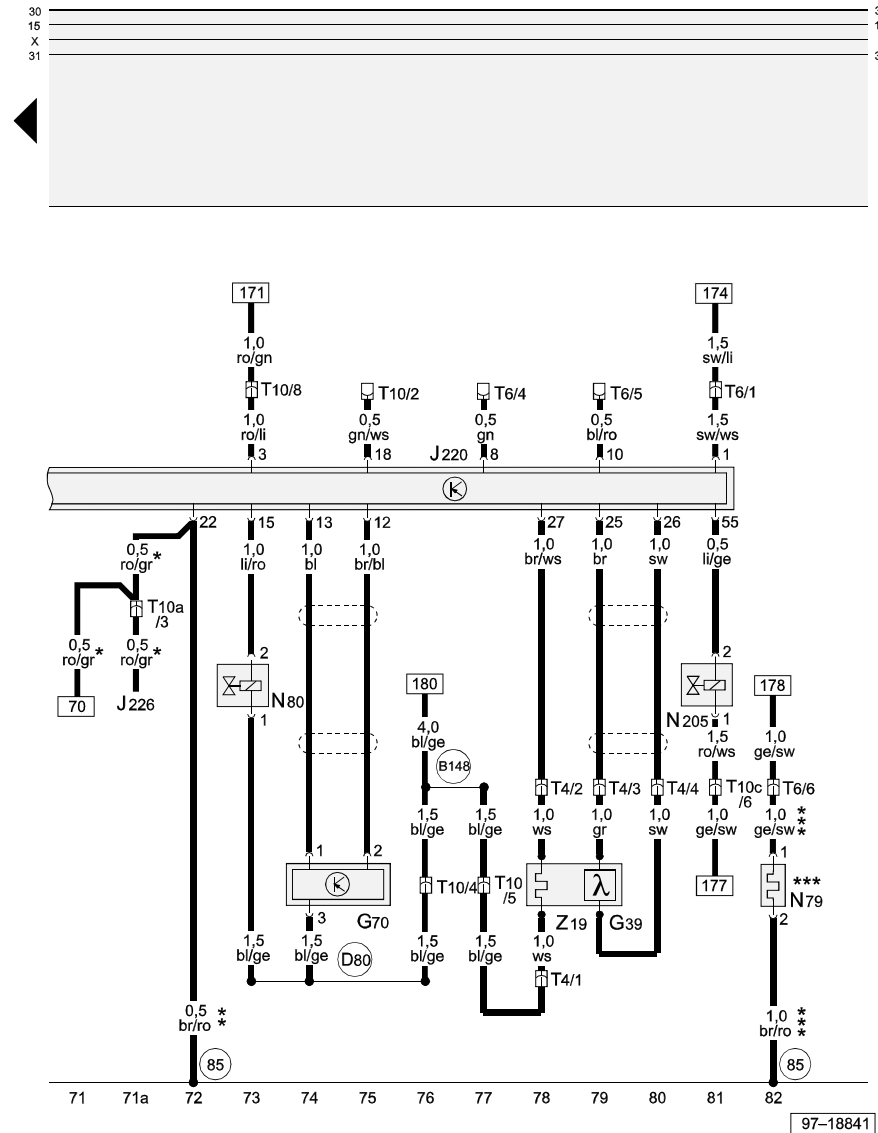
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 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
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Current Flow Diagram

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Motronic control unit, lambda probe, air mass meter, inlet camshaft timing adjustment valve, activated charcoal filter system solenoid valve

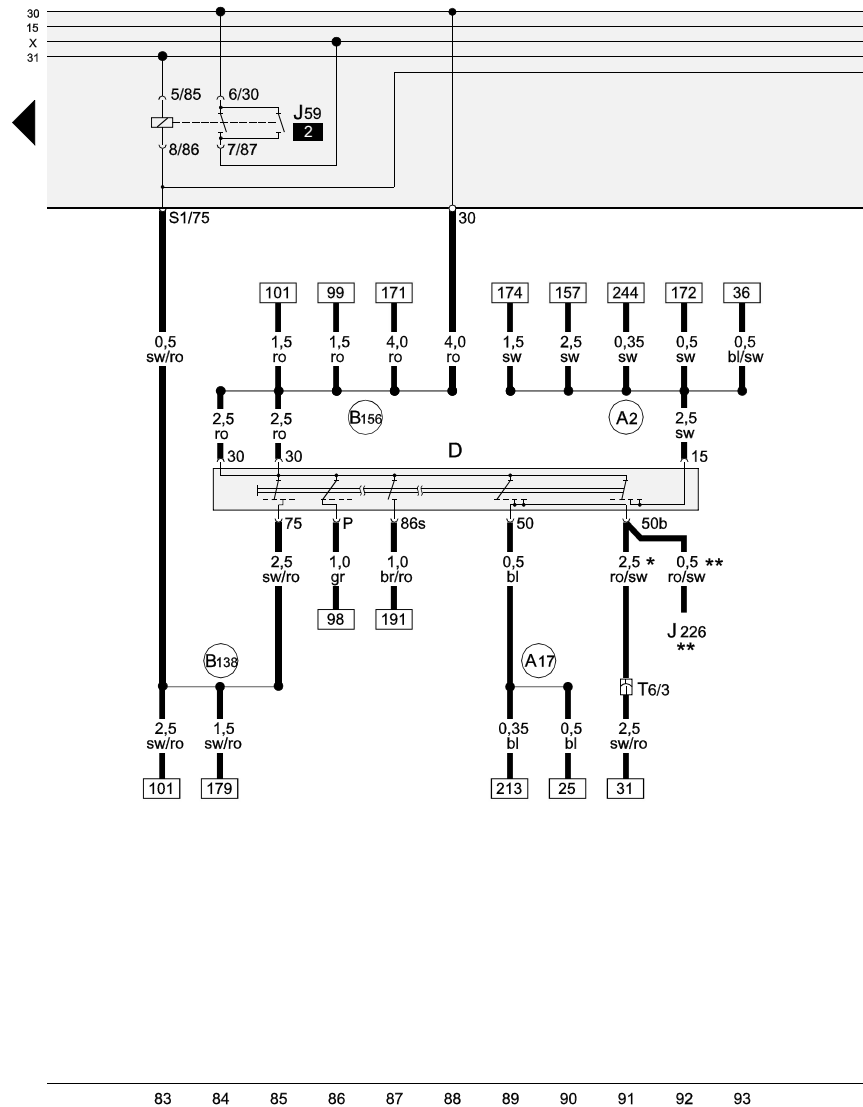
- G39 - Lambda probe
- G70 - Air mass meter
- J220 - Motronic control unit
- J226 - Starter inhibitor and reversing light relay
- N79 - Heater element (crankcase breather)
- N80 - Activated charcoal filter system solenoid valve 1
- N205 - Inlet camshaft timing adjustment valve -1-
- T4 - 4-pin connector, in engine compartment, right
- T6 - 6-pin connector, red, in plenum chamber
- T10 - 10-pin connector, white, in plenum chamber
- T10a - 10-pin connector, green, in plenum chamber
- T10c - 10-pin connector, black, wiring duct, in engine compartment, left
- Z19 - Lambda probe heater
- 85 - Earth connection -1-, in engine compartment wiring harness
- D80 - Positive (+) connection (87a), in engine compartment wiring harness
- B148 - Positive (+) connection -3- (87), in interior wiring harness
- * - Only models with automatic gearbox
- ** - Only models with manual gearbox
- *** - Export versions (only northern countries)

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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Current Flow Diagram

No. 1 / 9



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

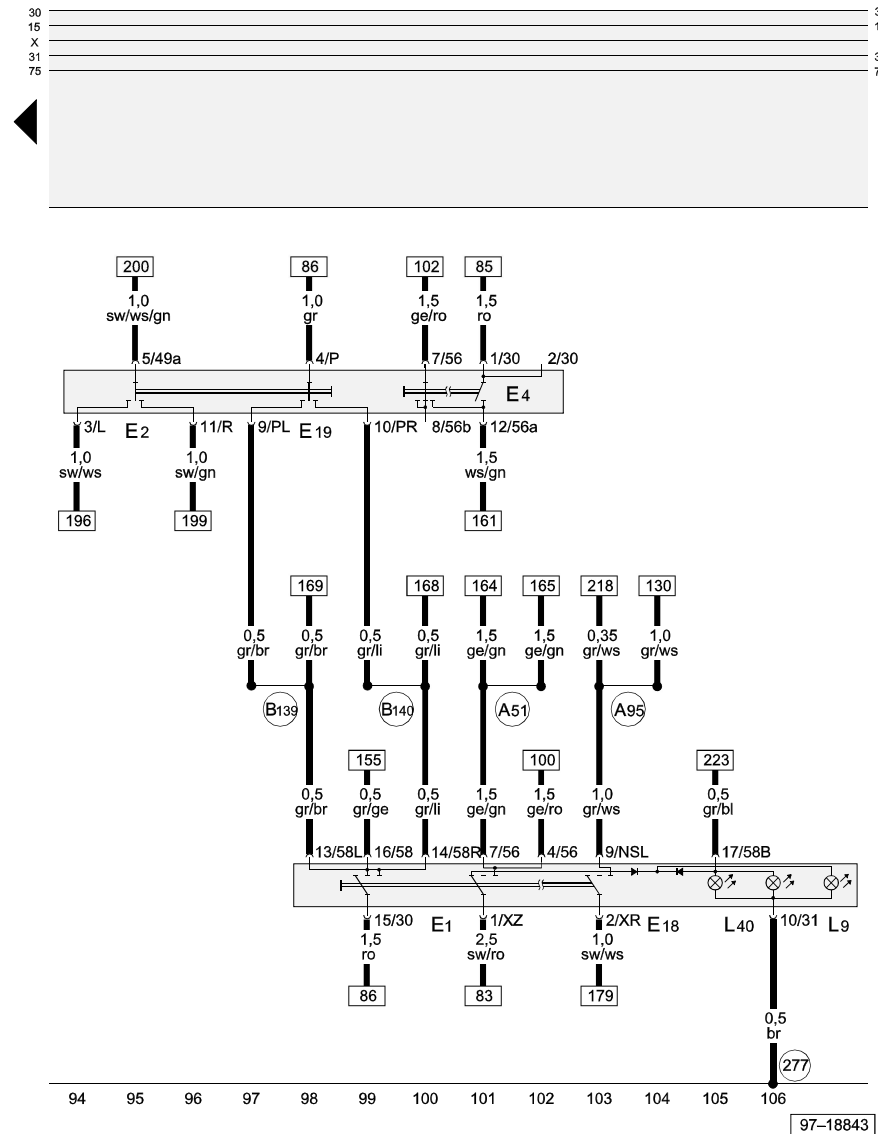
Ignition/starter switch, X contact relief relay

- D - Ignition/starter switch
- J59 - X contact relief relay
- J226 - Starter inhibitor and reversing light relay
- T6 - 6-pin connector, red, in plenum chamber
- A2 - Positive (+) connection (15), in dash panel wiring harness
- A17 - Positive (+) connection (61), in dash panel wiring harness
- B138 - Positive (+) connection -1- (x), in interior wiring harness
- B156 - Positive (+) connection -4- (30), in interior wiring harness
- * - Only models with manual gearbox
- ** - Only models with automatic gearbox

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Current Flow Diagram

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Lighting switch, steering column switch - left

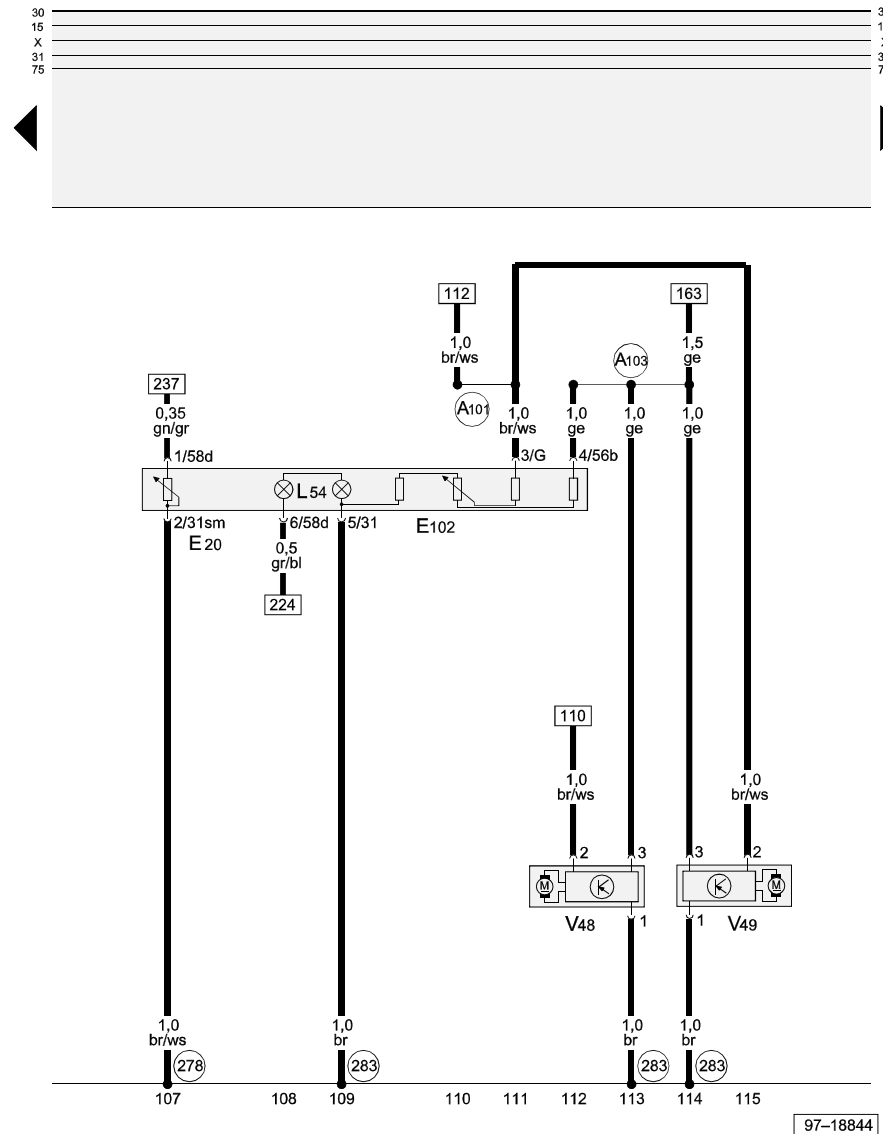
- E1 - Lighting switch
- E2 - Turn signal switch
- E4 - Headlight dipper/flasher switch
- E18 - Rear fog light switch
- E19 - Parking light switch
- L9 - Lighting switch light bulb
- L40 - Front and rear fog light switch bulb
- 277 - Earth connection --3-, in interior wiring harness
- A51 - Connection (56), in dash panel wiring harness
- A95 - Connection (RFL), in dash panel wiring harness
- B139 - Connection (PLL), in interior wiring harness
- B140 - Connection (PLR), in interior wiring harness

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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Current Flow Diagram

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**Switches and instruments - lighting control, headlight range control**

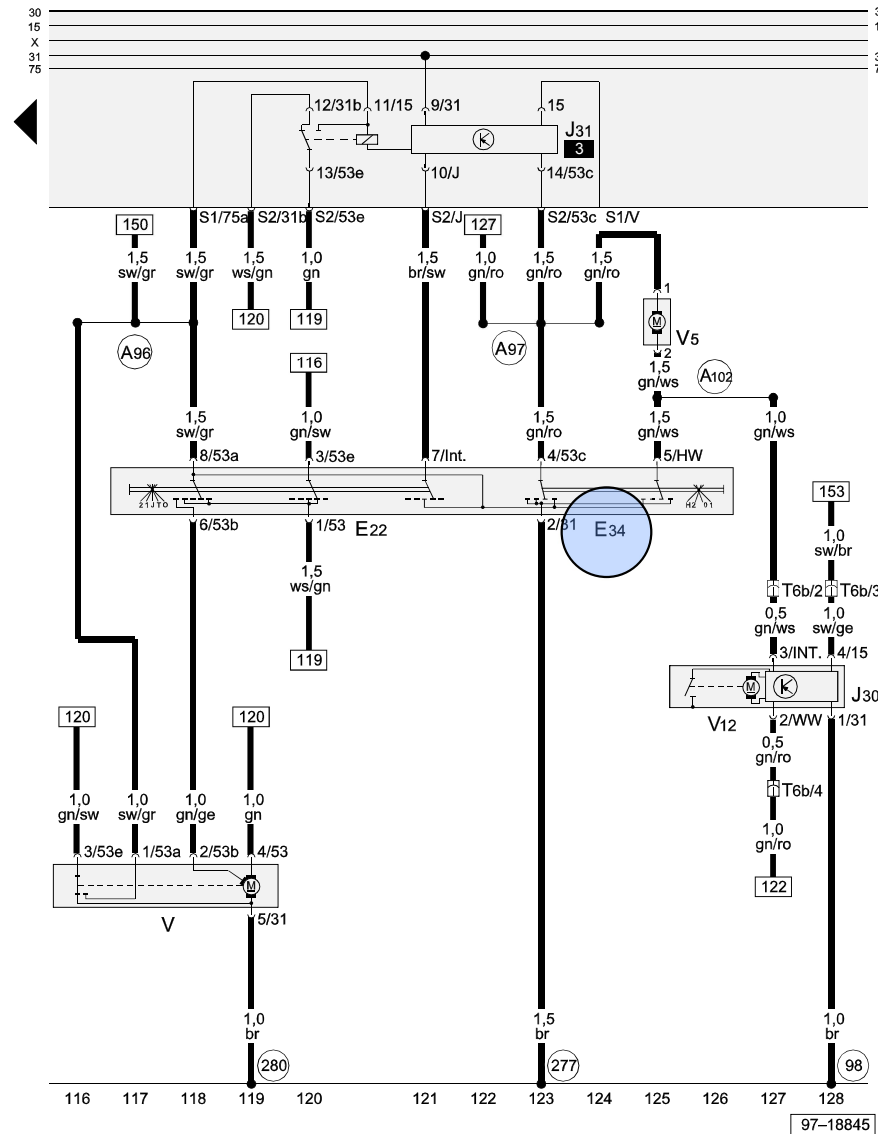
- E20 - Switches and instruments, lighting control
- E102 - Headlight range control adjuster
- L54 - Headlight range control adjuster light bulb
- V48 - Headlight range control motor, left
- V49 - Headlight range control motor, right
- 278 - Earth connection -4-, in interior wiring harness
- 283 - Earth connection -3-, in engine compartment wiring harness
- A101 - Connection -3- (87), in dash panel wiring harness
- A103 - Connection --2- (56), in dash panel wiring harness

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Current Flow Diagram

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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

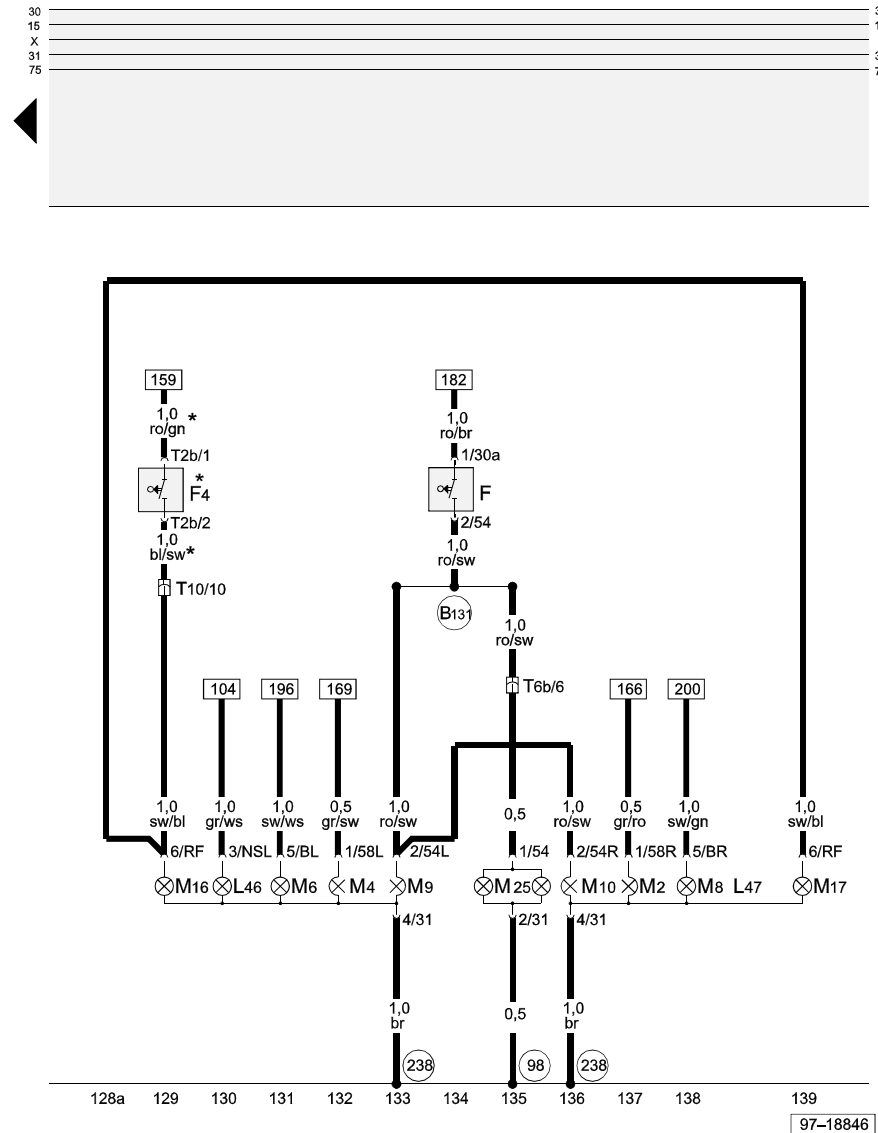
Right steering column switch, windscreen washer/wiper system, rear window wiper

- E22 - Intermittent wiper switch
- E34 - Rear wiper switch
- J30 - Rear window wiper/washer relay
- J31 - Automatic intermittent wash/wipe relay
- T6b - 6-pin connector, blue, in luggage compartment, left
- V - Windscreen wiper motor
- V5 - Windscreen washer pump
- V12 - Rear window wiper motor
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 277 - Earth connection --3-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness
- A96 - Connection (53a), in dash panel wiring harness
- A97 - Connection (53), in dash panel wiring harness
- A102 - Connection (windscreen wiper), in dash panel wiring harness

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Current Flow Diagram

No. 1 / 13



Tail lights, brake lights, reversing lights, rear fog light

- F - Brake light switch
- F4 - Reversing light switch
- L46 - Rear fog light bulb, left
- L47 - Rear fog light bulb, right
- 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
- T6b - 6-pin connector, blue, in luggage compartment, left
- T10 - 10-pin connector, white, in plenum chamber
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 238 - Earth connection -1-, in interior wiring harness
- B131 - Positive (+) connection (54), in interior wiring harness
- * - Only models with manual gearbox

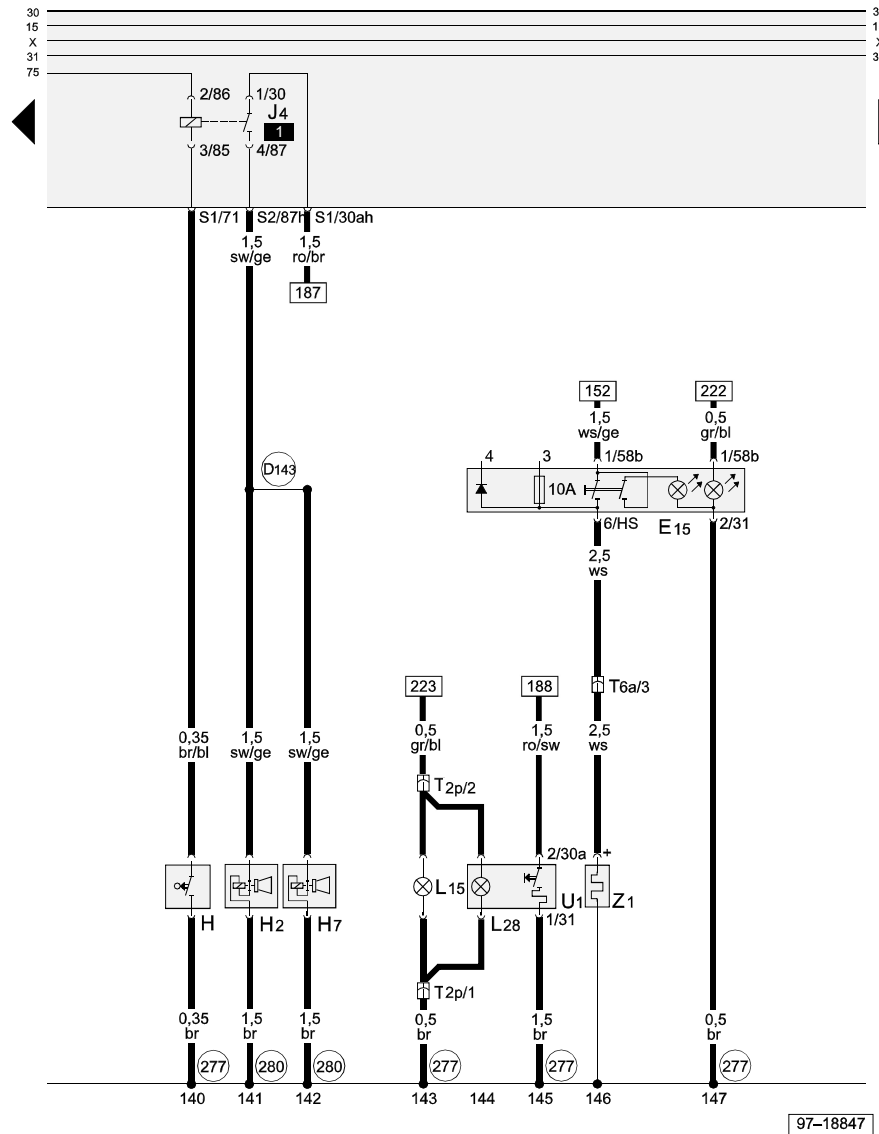
ws = white
 sw = black
 ro = red
 rt = red
 br = brown
 gn = green
 bl = blue
 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Current Flow Diagram

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Horn plate, heated rear window, cigarette lighter, illuminated ashtray

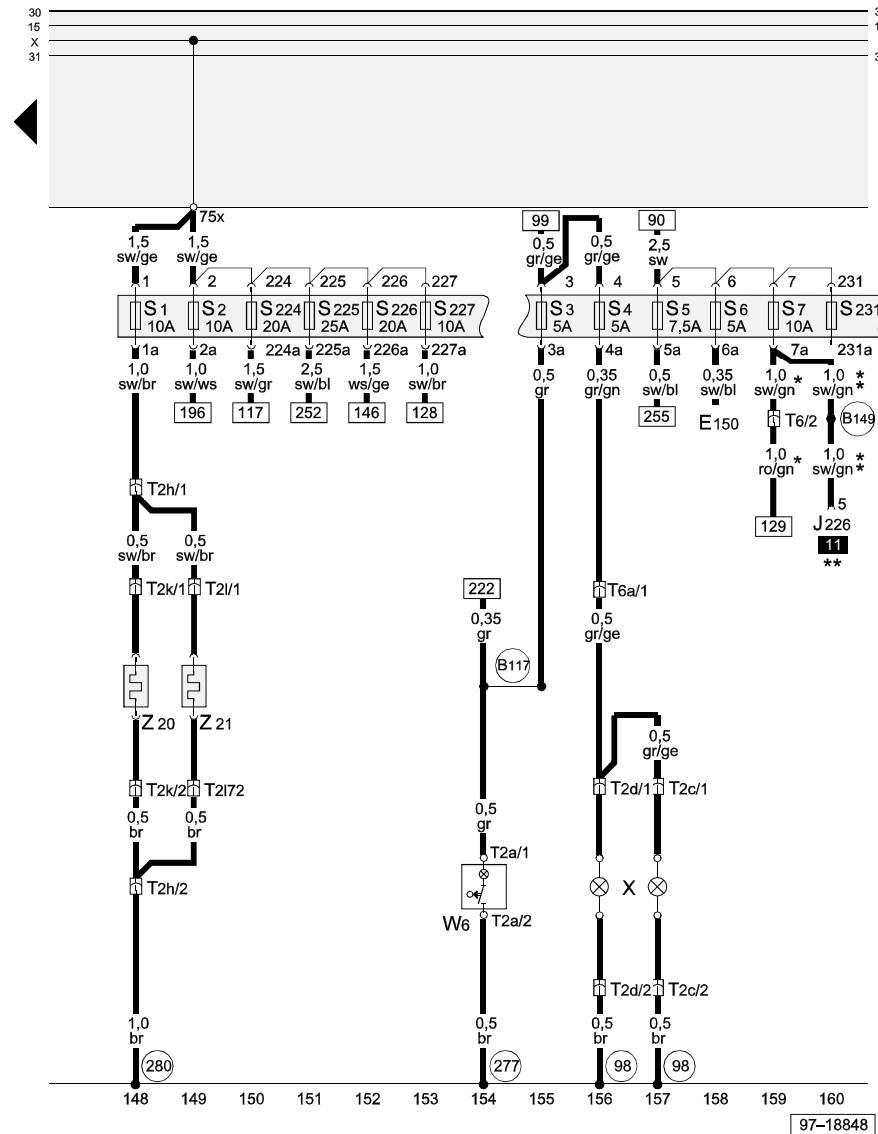
- E15 - Heated rear window switch
- H - Horn plate
- H2 - High tone horn
- H7 - Low tone horn
- J4 - Dual tone horn relay
- L15 - Ashtray light bulb
- L28 - Cigarette lighter light bulb
- T2p - 2-pin connector, behind console
- T6a - 6-pin connector, black, in luggage compartment, left
- U1 - Cigarette lighter
- Z1 - Heated rear window
- 277 - Earth connection --3-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness
- D143 - Connection (71), in engine compartment wiring harness

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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Current Flow Diagram

No. 1 / 15



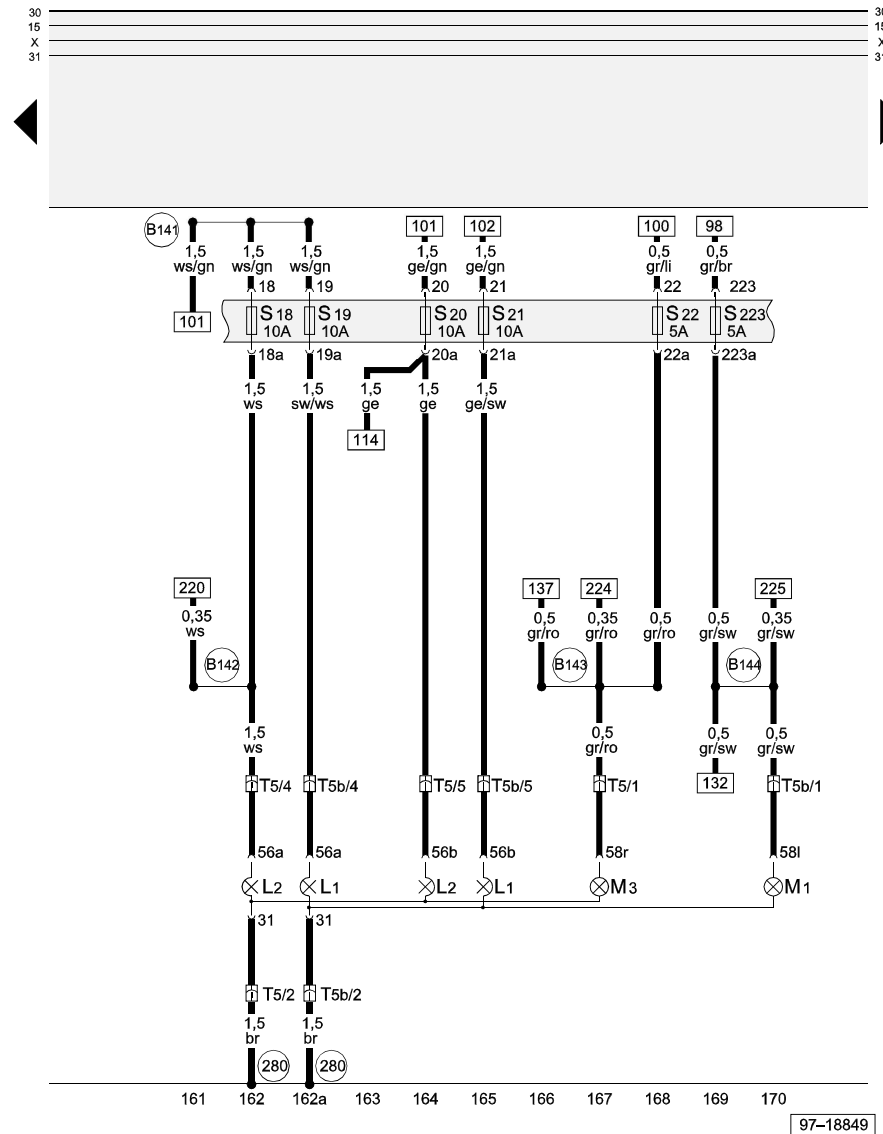
Fuse box, number plate light, glove box light, heated washer jets

- E150 - Interior locking switch
- J226 - Starter inhibitor and reversing light relay
- T2a - 2-pin connector, black, behind side of dash panel, right
- T2c - 2-pin connector, black, in tailgate/boot lid, right
- T2d - 2-pin connector, black, in tailgate/boot lid, left
- T2h - 2-pin connector, on plenum chamber, right
- T2k - 2-pin connector, black, on bonnet
- T2l - 2-pin connector, black, on bonnet
- T6 - 6-pin connector, red, in plenum chamber
- T6a - 6-pin connector, black, in luggage compartment, left
- W6 - Glove box light
- X - Number plate light
- Z20 - Heater element, left washer jet
- Z21 - Heater element, right washer jet
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 277 - Earth connection --3-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness
- B117 - Positive (+) connection (58a), in interior wiring harness
- B149 - Positive (+) connection -2- (15a), in interior wiring harness
- * - Only models with manual gearbox
- ** - Only models with automatic gearbox

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Current Flow Diagram

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Fuse box, headlights

- L1 - Twin filament bulb for headlight, left
- L2 - Twin filament bulb for headlight, right
- M1 - Side light bulb, left
- M3 - Side light bulb, right
- T5 - 5-pin connector, headlight, right
- T5b - 5-pin connector, headlight, left
- 280 - Earth connection -2-, in engine compartment wiring harness
- B141 - Positive (+) connection -2- (56a), in interior wiring harness
- B142 - Positive (+) connection -2- (56a), in interior wiring harness
- B143 - Positive (+) connection (58R), in interior wiring harness
- B144 - Positive (+) connection (58L), in interior wiring harness

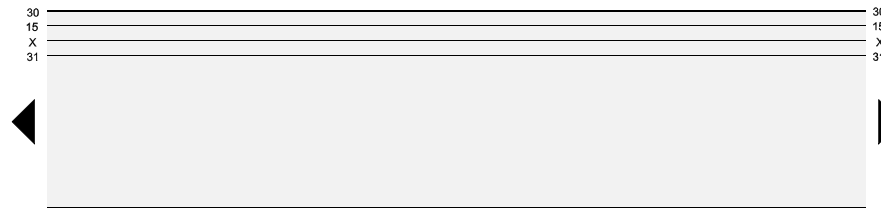
ws = white
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 gr = grey
 li = purple
 vi = purple
 ge = yellow
 or = orange
 rs = pink

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Audi A3

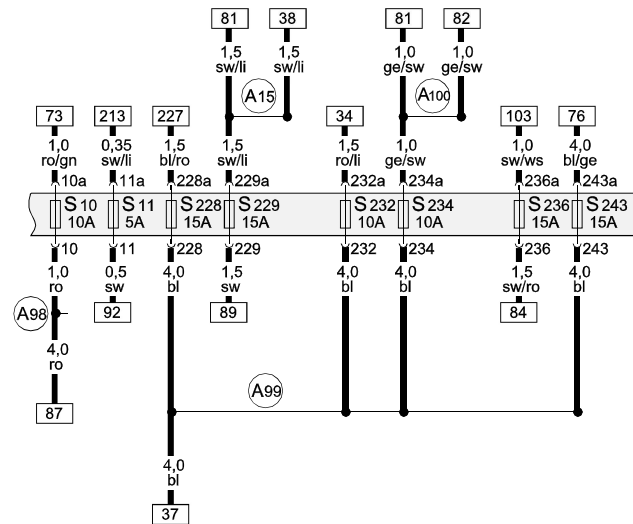
Current Flow Diagram

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Fuse box

- A15 - Positive (+) connection (15), in dash panel wiring harness
- A98 - Positive (+) connection -4- (30a), in dash panel wiring harness
- A99 - Connection -1- (87), in dash panel wiring harness
- A100 - Connection -2- (87), in dash panel wiring harness



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

171 172 173 174 175 176 177 178 179 180

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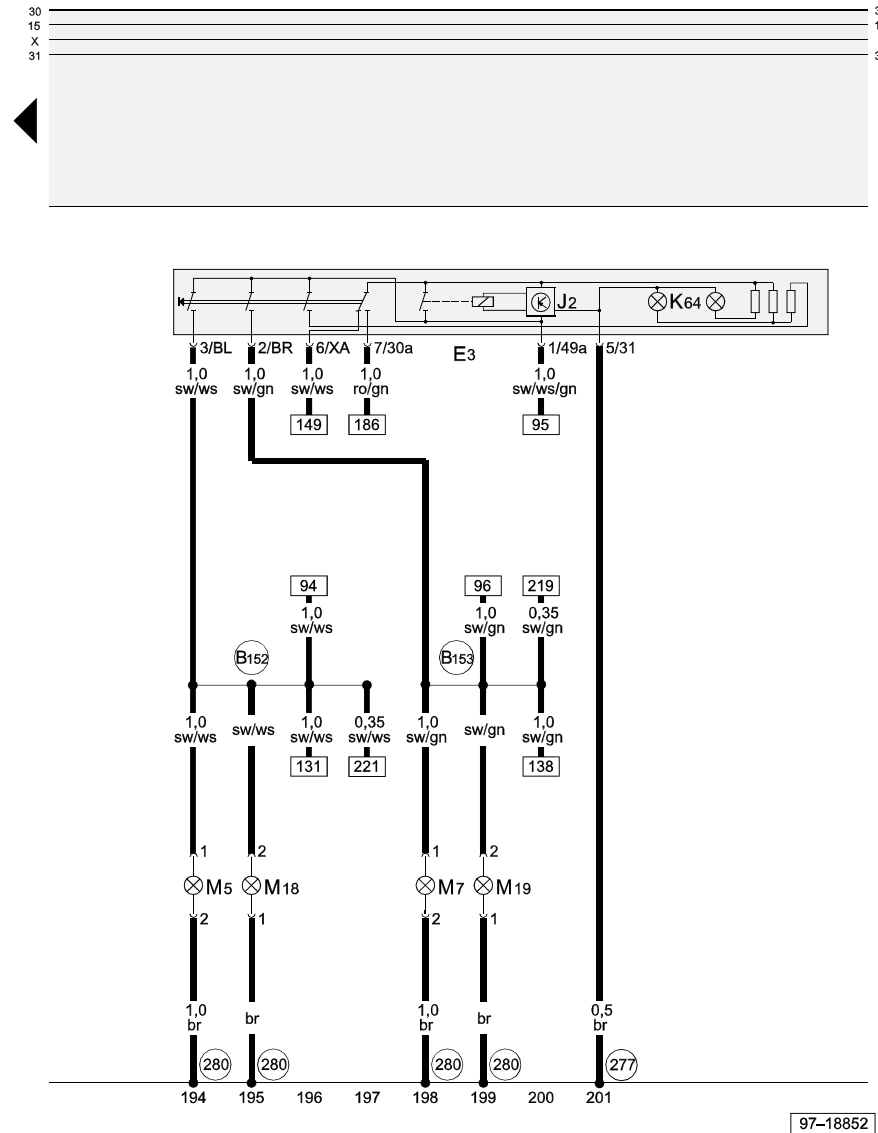
- E87 - Control and display unit for air conditioner
- J104 - ABS with EDL control unit
- J234 - Airbag control unit
- T8 - 8-pin connector, near radio
- T10b - 10-pin connector, grey, in plenum chamber
- T16 - 16-pin connector, black, centre console compartment (diagnosis connector)
- 49 - Earth point, next to steering column, left
- 277 - Earth connection --3-, in interior wiring harness
- A21 - Positive (+) connection (86s), in dash panel wiring harness
- A76 - Connection (diagnosis wire K), in dash panel wiring harness
- B150 - Positive (+) connection -2- (30a), in interior wiring harness
- * - See applicable radio Current flow diagram
- ** - Only models with air conditioner
- *** - Only models with automatic gearbox

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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Current Flow Diagram

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Turn signals and hazard warning lights

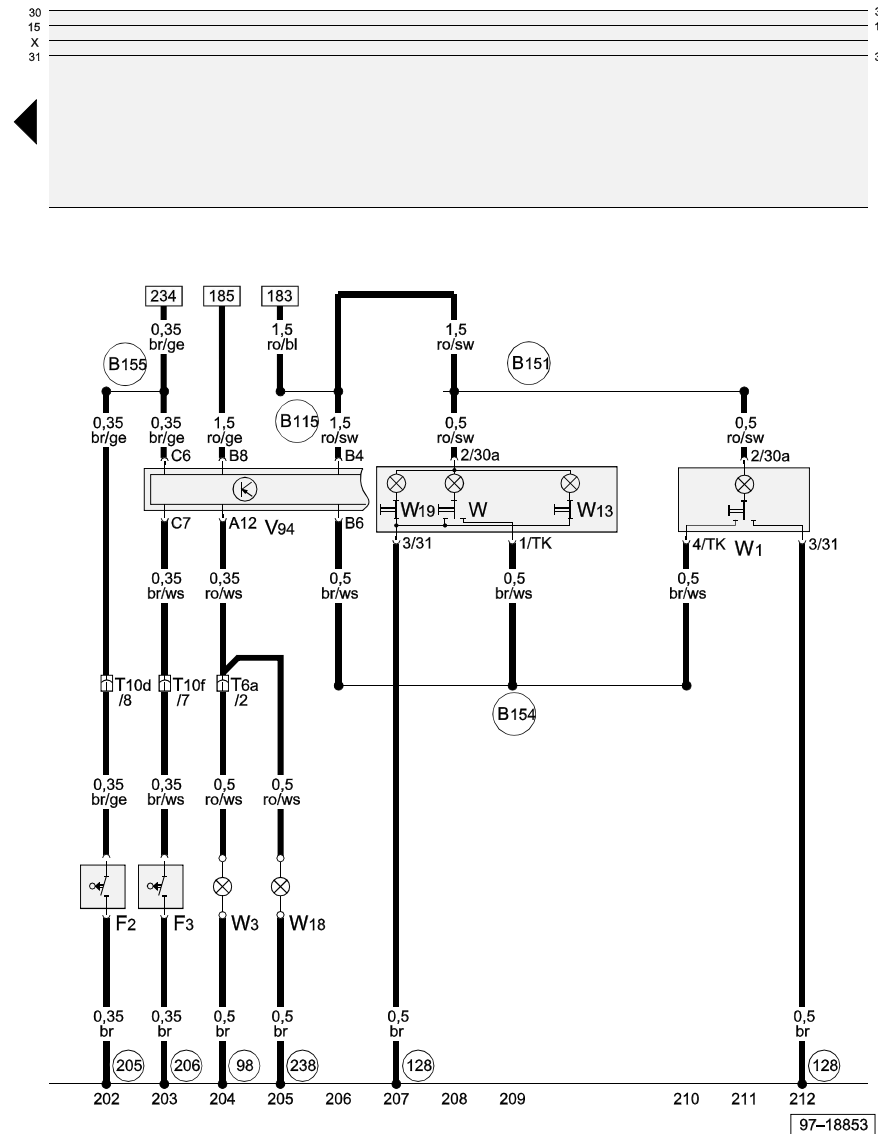
- E3 - Hazard warning light switch
- J2 - Hazard warning light relay
- K64 - Hazard warning light system warning lamp
- M5 - Turn signal bulb, front left
- M7 - Turn signal bulb, front right
- M18 - Side turn signal bulb, left
- M19 - Side turn signal bulb, right
- 277 - Earth connection --3-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness
- B152 - Connection (TSL), in interior wiring harness
- B153 - Connection (56b), in interior wiring harness

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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Current Flow Diagram

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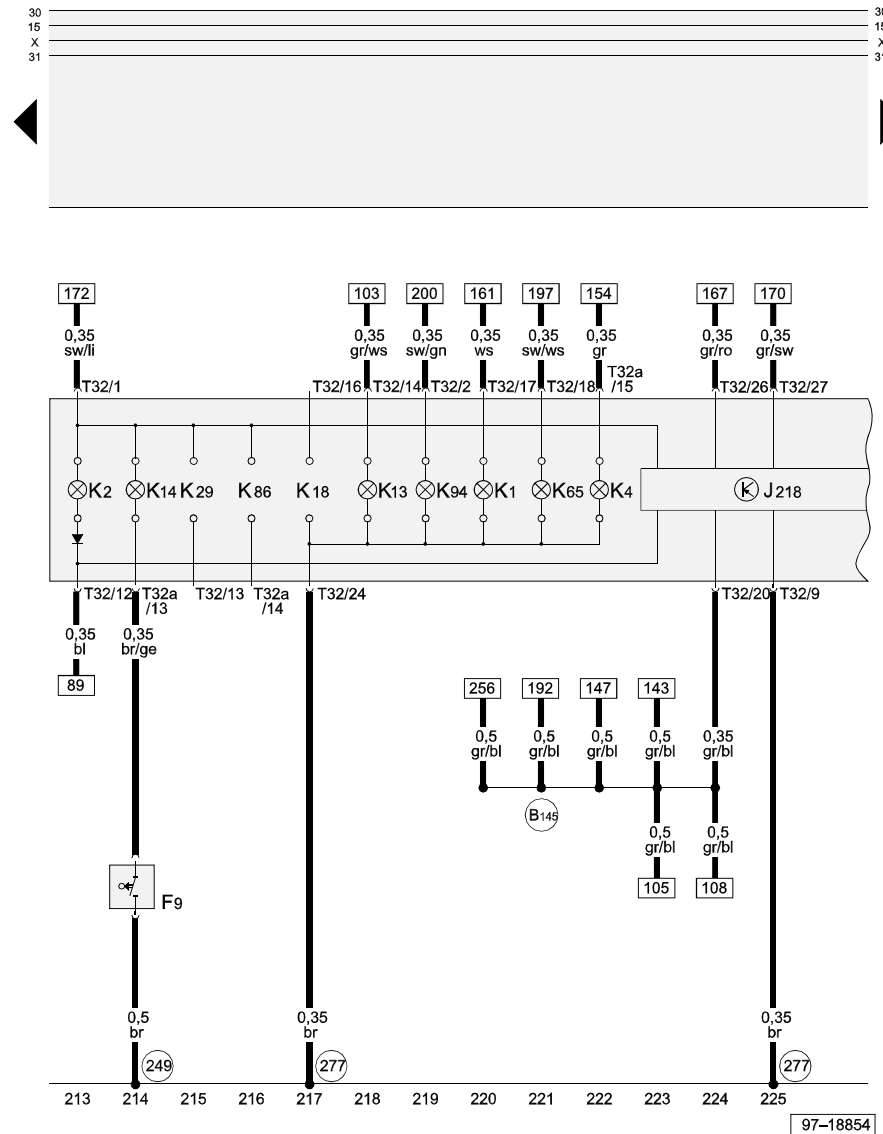
Interior lights, luggage compartment lights, door contact switch

- F2 - Door contact switch, driver's side
- F3 - Door contact switch, front passenger's side
- T6a - 6-pin connector, black, in luggage compartment, left
- T10d - 10-pin connector, brown, connector carrier, A pillar, left
- T10f - 10-pin connector, brown, connector carrier, A pillar, right
- V94 - Central locking motor with control unit for interior lights switch-off delay and anti-theft alarm system
- W - Interior light, front
- W1 - Rear interior light
- W3 - Luggage compartment light, right
- W13 - Reading light, front passenger's side
- W18 - Luggage compartment light, left
- W19 - Reading light, driver's side
- 98 - Earth connection, in tailgate/boot lid wiring harness
- 128 - Earth connection -1-, in interior light wiring harness
- 205 - Earth connection, in door wiring harness - driver's side
- 206 - Earth connection, in door wiring harness - front passenger's side
- 238 - Earth connection -1-, in interior wiring harness
- B115 - Positive (+) connection (30a), in interior wiring harness
- B151 - Positive (+) connection -3- (30a), in interior wiring harness
- B154 - Connection -1- (DC), in interior wiring harness
- B155 - Positive (+) connection -2- (DC), in interior wiring harness

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Current Flow Diagram

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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

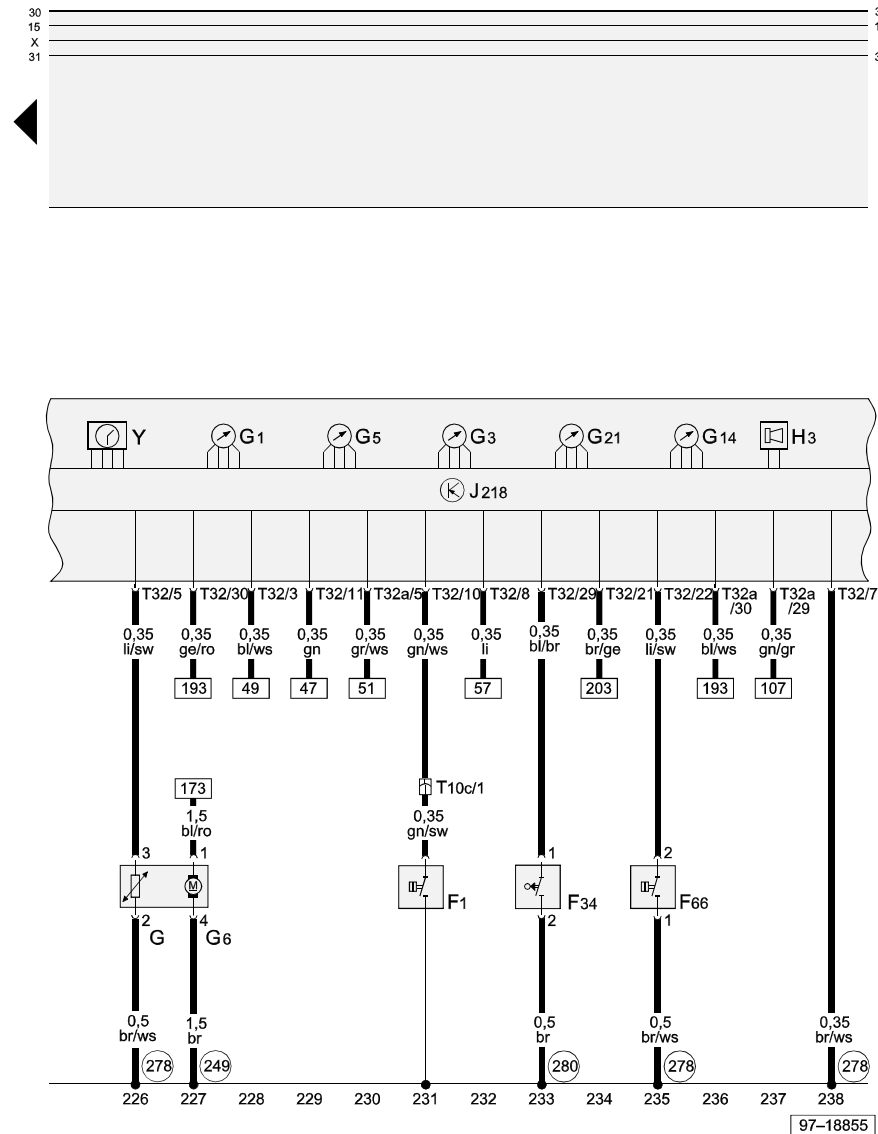
Dash panel insert, combi-processor in dash panel insert, handbrake warning

- F9 - Handbrake warning switch
- J218 - Combi-processor in dash panel insert
- K1 - Main beam warning lamp
- K2 - Alternator warning lamp
- K4 - Side light warning lamp
- K13 - Rear fog light warning lamp
- K14 - Handbrake warning lamp
- K18 - Trailer operation warning lamp
- K29 - Glow period warning lamp
- K65 - Left turn signal warning lamp
- K86 - Traction control system warning lamp
- K94 - Right turn signal warning lamp
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 249 - Earth connection -2-, in interior wiring harness
- 277 - Earth connection --3-, in interior wiring harness
- B145 - Positive (+) connection (58b), in interior wiring harness

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Current Flow Diagram

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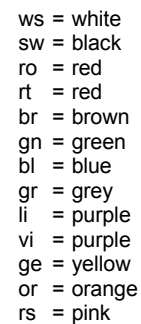


Dash panel insert, combi-processor in dash panel insert, rev. counter, speedometer, fuel gauge, fuel pump, coolant shortage indicator, oil pressure switch, analogue clock

- F1 - Oil pressure switch
- F34 - Brake fluid level warning contact
- F66 - Coolant shortage indicator switch
- G - Fuel gauge sender
- G1 - Fuel gauge
- G3 - Coolant temperature gauge
- G5 - Rev. counter
- G6 - Fuel pump
- G14 - Voltmeter
- G21 - Speedometer
- H3 - Buzzer/gong
- J218 - Combi-processor in dash panel insert
- T10c - 10-pin connector, black, wiring duct, in engine compartment, left
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- Y - Analogue clock
- 249 - Earth connection -2-, in interior wiring harness
- 278 - Earth connection -4-, in interior wiring harness
- 280 - Earth connection -2-, in engine compartment wiring harness

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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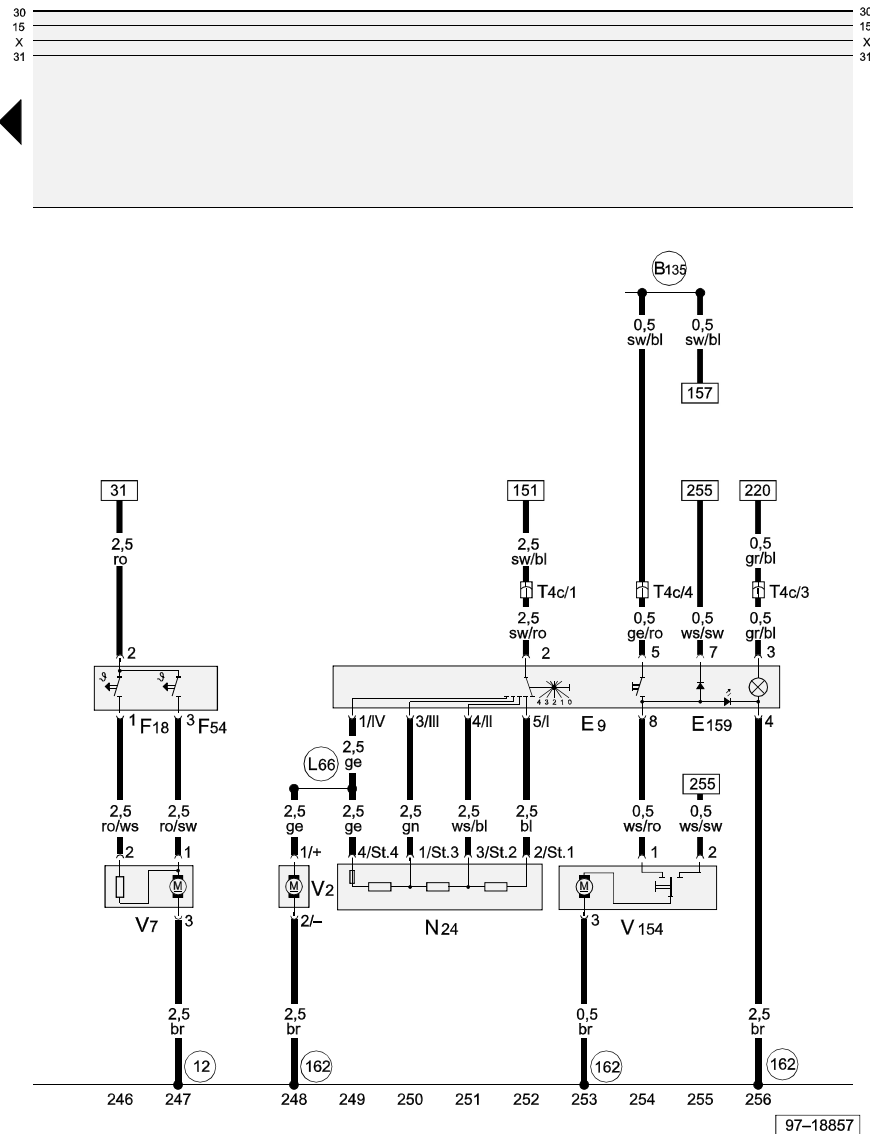


- D2 - Immobilizer reading coil
- G22 - Speedometer sender (Hall sender, on gearbox)
- J218 - Combi-processor in dash panel insert
- K3 - Oil pressure warning lamp
- K16 - Reserve fuel warning lamp
- K19 - Seat belt warning system warning lamp
- K28 - Coolant temperature warning lamp
- K32 - Brake pad/lining warning lamp
- K37 - Windscreen washer fluid level warning lamp
- K47 - ABS warning lamp
- K75 - Airbag warning lamp
- K117 - Immobilizer warning lamp
- T32 - 32-pin connector, blue, on dash panel insert
- T32a - 32-pin connector, green, on dash panel insert
- 281 - Earth connection -1-, in engine prewiring wiring harness

Audi A3

Current Flow Diagram

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**Radiator fan, fresh air blower**

- E9 - Fresh air blower switch
- E159 - Fresh air/air recirculating flap switch
- F18 - Radiator fan thermo-switch
- F54 - Radiator fan thermo-switch
- N24 - Fresh air blower with overheating fuse series resistor
- T4c - 4-pin connector, behind console
- V2 - Fresh air blower
- V7 - Radiator fan
- V154 - Fresh/recirculating air flap control motor
- 12 - Earth point, in engine compartment, left
- 162 - Earth connection, in blower motor wiring harness
- B135 - Connection (15a), in interior wiring harness
- L66 - Connection, in heater blower wiring harness

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