Basic equipment
From December 2009
Battery, Starter, Starter motor relay, Fuse 2 in fuse holder A

A  Battery
B  Starter
J53  Starter motor relay
SA2  Fuse 2 in fuse holder A
T18  18-pin connector, near engine control unit
T18a  18-pin connector, near engine control unit

1  Earth strap, battery - body

B322  Positive connection 8 (30a) in main wiring harness

B479  Connection 15, in main wiring harness

D78  Positive connection 1 (30a), in engine compartment wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

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

https://www.automotive-manuals.net/
Terminal 58b relief relay, Voltage supply relay 2

- J374  Terminal 58b relief relay
- J710  Voltage supply relay 2
- T6d  6-pin connector
- 366  Earth connection 1, in main wiring harness
- B315  Positive connection 1 (30a) in main wiring harness
- B476  Connection 12, in main wiring harness

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

Current Flow Diagram

No. 1 / 3

https://www.automotive-manuals.net/
Alternator with voltage regulator, Terminal 15 voltage supply relay, Onboard supply control unit, Engine control unit, Fuse 4 on fuse holder B

CX1 Alternator with voltage regulator
J329 Terminal 15 voltage supply relay
J519 Onboard supply control unit
J623 Engine control unit
SA1 Fuse 1 in fuse holder A
SB4 Fuse 4 on fuse holder B
T18 18-pin connector, near engine control unit
T73b 73-pin connector
T94a 94-pin connector
12 Earth point, on left in engine compartment
B569 Connection 36, in main wiring harness
* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Ignition/starter switch, Onboard supply control unit

- **D**: Ignition/starter switch
- **J16**: Current supply relay
- **J519**: Onboard supply control unit
- **SC8**: Fuse 8 on fuse holder C
- **T6F**: 6-pin connector
- **T73A**: 73-pin connector
- **T73B**: 73-pin connector
- **A57**: Positive connection 3 (30), in dash panel wiring harness
- **A104**: Positive connection 2 (15), in dash panel wiring harness
- **B318**: Positive connection 4 (30a) in main wiring harness
- **B489**: Connection 25, in main wiring harness
- **B490**: Connection 26, in main wiring harness

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

Diagram shows connections and flow of current in Amarok's electrical system.
Light switch, Light switch illumination bulb, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C

- **E1**: Light switch
- **L9**: Light switch illumination bulb
- **SC26**: Fuse 26 on fuse holder C
- **SC27**: Fuse 27 on fuse holder C
- **T17**: 17-pin connector

**A83**: Connection (daytime running lights), in dash panel wiring harness

* Only models with daytime running lights

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**Legend**:
- **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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https://www.automotive-manuals.net/
Light switch, Fuse 16 on fuse holder C, Fuse 53 on fuse holder C

- **E1** Light switch
- **SC16** Fuse 16 on fuse holder C
- **SC53** Fuse 53 on fuse holder C
- **T17** 17-pin connector

- **A15** Positive connection (15), in instrument wiring harness
- **B485** Connection 21, in main wiring harness
- **B522** Connection (FL), in main wiring harness

* Only models with no fog lights but with multifunction display
*2 Only models with fog lights

**Legend**

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

https://www.automotive-manuals.net/
Light switch, Switch and instrument illumination regulator, Headlight range control regulator, Fuse 28 on fuse holder C

- E1 Light switch
- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- SC17 Fuse 17 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- T6c 6-pin connector
- T17 17-pin connector
- B472 Connection 8, in main wiring harness

N2 Connection 1, in headlight range control wiring harness

N3 Connection 2, in headlight range control wiring harness

- * Only models with headlight range control
- *2 Only models with dimmable instrument illumination
- *3 Only models with Highline equipment
- *4 Only models with no dimmable instrument illumination
- *5 Only models with Trendline equipment
- *6 Only models with basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M18 Left turn signal repeater bulb
- T3e 3-pin connector, in rear left of engine compartment
- T10 10-pin connector
- T73b 73-pin connector
- 368 Earth connection 3, in main wiring harness
- 655 Earth point, on left headlight, on left on bulkhead
- B469 Connection 5, in main wiring harness
- B484 Connection 20, in main wiring harness

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

https://www.automotive-manuals.net/
Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- J519 Onboard supply control unit
- L23 Right fog light bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M19 Right turn signal repeater bulb
- T8f 8-pin connector, in rear right of engine compartment
- T10d 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector

- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight, on right on bulkhead
- B470 Connection 6, in main wiring harness
- B473 Connection 9, in main wiring harness
- * Only models with basic equipment
- *2 Only models with headlight range control

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Front right headlight, Fuse 32 on fuse holder C, Fuse 55 on fuse holder C

- MX2 Front right headlight
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- SC32 Fuse 32 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T10d 10-pin connector
- V49 Right headlight range control motor

- Earth connection 11, in main wiring harness
- Connection 23, in main wiring harness

* Only models with headlight range control
*2 Only models with cruise control system (CCS)

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

https://www.automotive-manuals.net/
**Left tail light, Left number plate light**

- **L46**: Rear left fog light bulb
- **MX3**: Left tail light
- **M4**: Left tail light bulb
- **M6**: Rear left turn signal bulb
- **M9**: Left brake light bulb
- **T5i**: 5-pin connector
- **T14**: 14-pin connector, behind rear bumper on left
- **T18a**: 18-pin connector, near engine control unit
- **T42**: 42-pin connector, near handbrake lever
- **X4**: Left number plate light

**Symbols and Notes**:
- **W1**: Positive connection 1 (54), in rear wiring harness
- **W70**: Positive connection 2 (58), in number plate wiring harness
- *2*: Only models with no towing bracket
- *3*: Only models with Highline equipment
- *4*: Only models with Trendline equipment
- *5*: Only models with basic equipment
- *6*: Only models with no rear fog light

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

https://www.automotive-manuals.net/
Reversing light switch, Right tail light, Right number plate light

- **F4** Reversing light switch
- **M2** Right tail light bulb
- **MX4** Right tail light
- **M8** Rear right turn signal bulb
- **M10** Right brake light bulb
- **M17** Right reversing light bulb
- **SC3** Fuse 3 on fuse holder C
- **T5k** 5-pin connector
- **T18a** 18-pin connector, near engine control unit
- **T42** 42-pin connector, near handbrake lever
- **X5** Right number plate light

- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **197** Earth connection 4, in rear wiring harness
- **W3** Connection in rear wiring harness
- **W70** Positive connection 2 (58), in number plate wiring harness

* Only models with headlight range control
*2 Only models with Highline equipment
*3 Only models with diesel engine
*4 Only models with no rear fog light

**Current Flow Diagram**

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

https://www.automotive-manuals.net/
Brake light switch

- F  Brake light switch
- SC42  Fuse 42 on fuse holder C
- T4c  4-pin connector

**A2**  Positive connection (15), in dash panel wiring harness

- **B482**  Connection 18, in main wiring harness
  - 3  Only models with cruise control system (CCS)
  - *2  Only models with multifunction display
  - *3  Country specific
  - *4  If fitted
  - *5  Only models with Euro 5 emission standard
  - *6  see applicable current flow diagram for engine

---

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- **E481**: Load area illumination switch, near radio
- **M25**: Additional brake light bulb
- **M53**: Load area illumination bulb
- **SC63**: Fuse 63 on fuse holder C
- **T6a**: 6-pin connector
- **T6al**: 6-pin connector, on relay carrier
- **T6d**: 6-pin connector, on relay carrier

- **A2**: Positive connection (15), in dash panel wiring harness
- **B335**: Connection 1 (54), in main wiring harness

* Only models with headlight range control

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**Legend**

- **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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https://www.automotive-manuals.net/
Steering column combination switch, Airbag coil connector and return ring with slip ring, Steering angle sender, Horn plate, Airbag control unit

- E595  Steering column combination switch
- F138  Airbag coil connector and return ring with slip ring, on steering wheel
- G85   Steering angle sender
- H     Horn plate
- J234  Airbag control unit
- J519  Onboard supply control unit
- N95   Driver side airbag igniter
- T12b  12-pin connector
- T41   41-pin connector
- T50   50-pin connector
- T73a  73-pin connector
- T73b  73-pin connector

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

\[ \text{ws = white} \]
\[ \text{sw = black} \]
\[ \text{ro = red} \]
\[ \text{br = brown} \]
\[ \text{gn = green} \]
\[ \text{bl = blue} \]
\[ \text{gr = grey} \]
\[ \text{li = purple} \]
\[ \text{ge = yellow} \]
\[ \text{or = orange} \]
\[ \text{rs = pink} \]
Current Flow Diagram

Turn signal switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Steering column combination switch, Washer pump

- E  Windscreen wiper switch
- E2 Turn signal switch
- E19 Parking light switch
- E22 Intermittent wiper switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E595 Steering column combination switch
- J519 Onboard supply control unit
- SC2 Fuse 2 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- T6d 6-pin connector, in centre of dash panel
- T8f 8-pin connector, in rear left of engine compartment
- T41 41-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V5 Washer pump

*32 Earth point, on left behind dash panel
*42 Earth point, next to steering column
*371 Earth connection 6, in main wiring harness
*B480 Connection 16, in main wiring harness

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

https://www.automotive-manuals.net/
Headlight dipper and flasher switch, Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Steering column combination switch

E4  Headlight dipper and flasher switch
E45  Cruise control system switch
E86  Multifunction display call-up button
E109 Multifunction display memory switch
E227 Cruise control system (CCS) SET button
E595 Steering column combination switch
J29  Blocking diode, near steering column
J519 Onboard supply control unit
T1d  Single connector
T1e  Single connector
T41  41-pin connector
T73b  73-pin connector

(B441) Connection (CCS), in main wiring harness
(B475) Connection 11, in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with petrol engine
*3 Only models with diesel engine
*4 Only models with multifunction display
*5 Only models with Highline equipment

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

https://www.automotive-manuals.net/
Heated rear window button, Heated rear window

- **E230**: Heated rear window button, near radio
- **J519**: Onboard supply control unit
- **SC4**: Fuse 4 on fuse holder C
- **SC44**: Fuse 44 on fuse holder C
- **T1c**: Single connector
- **T1k**: Single connector
- **T6ah**: 6-pin connector
- **T18a**: 18-pin connector, near engine control unit
- **T21a**: 21-pin connector, on relay carrier
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector
- **Z1**: Heated rear window

Earth connection 2, in dash panel wiring harness

* Only models with no air conditioning system/Climatronic
**Amarok**

**Current Flow Diagram**

No. 1 / 21

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**Front interior light, Centre interior light**

- **J519** Onboard supply control unit
- **SC21** Fuse 21 on fuse holder C
- **T3** 3-pin connector
- **T3b** 3-pin connector
- **T3c** 3-pin connector
- **T73a** 73-pin connector
- **W1** Front interior light
- **W7** Centre interior light
- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **A29** Connection (interior light), in dash panel wiring harness
- **R4** Connection 1, in interior light/door contact switch wiring harness

* Only models with double cab
*2 Only models with Highline equipment
*3 Only models with basic equipment

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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

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https://www.automotive-manuals.net/
Hazard warning lights button, Treble horn, Bass horn

- E229 Hazard warning lights button, near radio
- H2 Treble horn
- H7 Bass horn
- J519 Onboard supply control unit
- SC47 Fuse 47 on fuse holder C
- T6ai 6-pin connector
- T21a 21-pin connector, on relay carrier
- T73a 73-pin connector

- 129 Earth connection, in dual tone horn wiring harness
  - * Only models with Highline equipment
  - *2 Only models with Trendline equipment
  - *3 Only models with basic equipment
Dash panel insert, Windscreen wiper motor

- J285 Control unit in dash panel insert
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K13 Rear fog light warning lamp
- SC43 Fuse 43 on fuse holder C
- T4e 4-pin connector
- T32 32-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V Windscreen wiper motor

- 44 Earth point, lower part of left A-pillar
- 372 Earth connection 7, in main wiring harness
- 377 Earth connection 12, in main wiring harness

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

Current Flow Diagram

No. 1 / 23
Driver side belt switch, Brake fluid level warning contact, Coolant temperature display sender, Coolant temperature gauge, Ambient temperature sensor, Ambient temperature indicator, Multifunction indicator, Dash panel insert, Brake fluid level warning lamp, Driver side airbag deactivated warning lamp

- E24  Driver side belt switch
- F34  Brake fluid level warning contact
- G2   Coolant temperature display sender
- G3   Coolant temperature gauge
- G17  Ambient temperature sensor
- G106 Ambient temperature indicator
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K    Dash panel insert
- K33  Brake fluid level warning lamp
- K144 Driver side airbag deactivated warning lamp
- T32  32-pin connector

* Only models with multifunction display
*2 Only models with no airbag

Earth connection 9, in main wiring harness
Fuel gauge, Fuel pump, Fuel pump control unit, Dash panel insert, Reserve fuel warning lamp

G Fuel gauge sender
G1 Fuel gauge
G23 Fuel pump
J285 Control unit in dash panel insert
J538 Fuel pump control unit
K Dash panel insert
K105 Reserve fuel warning lamp
T5g 5-pin connector
T5h 5-pin connector
T32 32-pin connector
T42 42-pin connector, near handbrake lever
* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit

- F36 Clutch pedal switch
- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SB2 Fuse 2 on fuse holder B
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T94 94-pin connector
- T94a 94-pin connector
- V55 Circulation pump

(B564) Connection 31, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with petrol engine
*3 Only models with cruise control system (CCS)
*4 Only models with diesel engine
*5 Only models with no air conditioning system/Climatronic
*6 see applicable current flow diagram for air conditioning
*7 see applicable current flow diagram for automatic air conditioning system

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

https://www.automotive-manuals.net/
Imobiliser reader coil, Oil pressure switch, Oil level and oil temperature sender, Ignition and starter key warning system buzzer and gong, Dash panel insert, Oil pressure warning lamp, Oil level warning lamp, Radio

- **D2** Immobiliser reader coil, on ignition/starter switch
- **F1** Oil pressure switch
- **G266** Oil level and oil temperature sender
- **H5** Ignition and starter key warning system buzzer and gong
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K3** Oil pressure warning lamp
- **K38** Oil level warning lamp
- **R** Radio
- **T3m** 3-pin connector
- **T8c** 8-pin connector
- **T18** 18-pin connector, near engine control unit
- **T21** 21-pin connector, on heater and air conditioner unit, front passenger footwell
- **T32** 32-pin connector
- **T42** 42-pin connector, near handbrake lever

* see applicable current flow diagram for engine
*2 Only models with Euro 5 emission standard
*3 Country specific
*4 If fitted

- **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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https://www.automotive-manuals.net/
Parking brake contact switch, Dash panel insert, Handbrake warning lamp, Light 1 for front centre console background lighting, Electric socket, Cigarette lighter, 12 V socket, 12 V socket 2

- F321 Parking brake contact switch
- J285 Control unit in dash panel insert
- K Dash panel insert
- K139 Handbrake warning lamp
- L193 Light 1 for front centre console background lighting
- SC38 Fuse 38 on fuse holder C
- SC52 Fuse 52 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- SC59 Fuse 59 on fuse holder C
- T2al 2-pin connector, Interface for rear left socket, on wheel housing
- T3g 3-pin connector
- T3h 3-pin connector
- T6d 6-pin connector, on relay carrier
- T21a 21-pin connector, on relay carrier
- T32 32-pin connector
- T42 42-pin connector, near handbrake lever
- U Electric socket
- U1 Cigarette lighter
- U5 12 V socket
- U18 12 V socket 2

- 43 Earth point, lower part of right A-pillar
- 367 Earth connection 2, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- A7 Positive connection (58 D1), in dash panel wiring harness
- * Special equipment
- *2 Only models with Highline equipment
- *3 Only models with multifunction display

Legend:
ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gle = yellow
or = orange
rs = pink
Fuel tank filler flap central locking actuator, Onboard supply control unit, Driver door lock unit, Front passenger door lock unit, Rear left door lock unit, Rear right door lock unit

- F219  Fuel tank filler flap central locking actuator
- J519  Onboard supply control unit
- T6ar  6-pin connector
- T6as  6-pin connector
- T6be  6-pin connector
- T8e   8-pin connector
- T28a  28-pin connector, on left A-pillar
- T28b  28-pin connector, Right A-pillar
- T28c  28-pin connector, on right B-pillar
- T42   42-pin connector, near handbrake lever
- T73a  73-pin connector
- VX21  Driver door lock unit
- VX22  Front passenger door lock unit
- VX23  Rear left door lock unit
- VX24  Rear right door lock unit

- 205  Earth connection, in driver door wiring harness
- 206  Earth connection, in front passenger door wiring harness
- B214 Connection 1 (central locking), in interior wiring harness
- B466 Connection 2, in main wiring harness

* Only models with no central locking

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = purple
or = orange
rs = pink
Central locking, window regulators and mirror adjustment
From December 2009
Onboard supply control unit

- J519 Onboard supply control unit, near driver side A-pillar
- SC66 Fuse 66 on fuse holder C
- T73a 73-pin connector, black
- T73b 73-pin connector

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- B215 Connection 2 (central locking), in interior wiring harness

* Only models with double cab
*2 From November 2011

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Fuel tank filler flap central locking actuator, Onboard supply control unit

- **F219** Fuel tank filler flap central locking actuator
- **J519** Onboard supply control unit, near driver side A-pillar
- **T42** 42-pin connector, near handbrake lever
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector
- **B214** Connection 1 (central locking), in interior wiring harness
- **B466** Connection 2, in main wiring harness
- **B528** Connection 1 (LIN bus) in main wiring harness

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

Diagram:
- Current Flow Diagram No. 2/3
- 04.2012
- [Link to Automotive Manuals](https://www.automotive-manuals.net/)
Central locking button, Onboard supply control unit

- **E600**: Central locking button, in driver door
- **J519**: Onboard supply control unit, near driver side A-pillar
- **T4v**: 4-pin connector, black
- **T28a**: 28-pin connector, on left A-pillar
- **T73a**: 73-pin connector, black

- **205**: Earth connection, in driver door wiring harness
- **B467**: Connection 3, in main wiring harness

* Only models with double cab
*2 From November 2011

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**Legend**

- **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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Amarok

Current Flow Diagram

No. 2 / 4

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Central locking SAFELOCK function warning lamp, Driver door lock unit

- E43  Mirror adjustment switch, in driver door
- J519  Onboard supply control unit, near driver side A-pillar
- K133  Central locking SAFELOCK function warning lamp
- T8e  8-pin connector, black
- T10d  10-pin connector, black
- T28a  28-pin connector, on left A-pillar
- T73a  73-pin connector, black
- T73b  73-pin connector
- VX21  Driver door lock unit

- 734  Earth point in front left door
- R14  Connection 1 (open), in driver door wiring harness

* From November 2011

Current Flow Diagram

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Fuse 33 on fuse holder C

- **E43**: Mirror adjustment switch, in driver door
- **J519**: Onboard supply control unit, near driver side A-pillar
- **SC33**: Fuse 33 on fuse holder C
- **T10d**: 10-pin connector, black
- **T28a**: 28-pin connector, on left A-pillar
- **R95**: Connection 2 in driver side door wiring harness
- **R96**: Connection 3 in driver side door wiring harness
- **Z2**: Connection 2, in mirror adjustment/heating wiring harness
- **Z4**: Positive connection (15a), in mirror adjustment/heating wiring harness

**Legend**:
- \( \text{ws} = \text{white} \)
- \( \text{sw} = \text{black} \)
- \( \text{ro} = \text{red} \)
- \( \text{br} = \text{brown} \)
- \( \text{gn} = \text{green} \)
- \( \text{bl} = \text{blue} \)
- \( \text{gr} = \text{grey} \)
- \( \text{li} = \text{purple} \)
- \( \text{ge} = \text{yellow} \)
- \( \text{or} = \text{orange} \)
- \( \text{rs} = \text{pink} \)
Current Flow Diagram

Suppression filter, Driver door control unit, Onboard supply control unit, Fuse 48 on fuse holder C, Left window regulator motor, Heated exterior mirror on driver side

- C10 Suppression filter, in left door
- J386 Driver door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- SC48 Fuse 48 on fuse holder C
- T5o 5-pin connector
- T6ae 6-pin connector, in left door, near exterior mirror, blue
- T16e 16-pin connector
- T28a 28-pin connector
- V14 Left window regulator motor
- V17 Driver side mirror adjustment motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

- 740 Earth point 2 in front left door
- R95 Connection 2 in driver side door wiring harness
- R96 Connection 3 in driver side door wiring harness
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- Z4 Positive connection (15a), in mirror adjustment/heating wiring harness

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

https://www.automotive-manuals.net/
Current Flow Diagram

Childproof lock button, Front driver side window regulator button, Rear driver side window regulator button, in driver door, Rear passenger side window regulator button, in driver door, Front passenger side window regulator button, in driver door, Driver door control unit, Onboard supply control unit, Button illumination bulb

E318 Childproof lock button
E710 Front driver side window regulator button
E712 Rear driver side window regulator button, in driver door
E714 Rear passenger side window regulator button, in driver door
E715 Front passenger side window regulator button, in driver door
J386 Driver door control unit
J519 Onboard supply control unit, near driver side A-pillar
K236 Warning light for activated childproof lock
L76 Button illumination bulb
T10e 10-pin connector
T16e 16-pin connector, black
R94 Connection 1 in driver side door wiring harness

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

https://www.automotive-manuals.net/
Front passenger side window regulator button, Front passenger door control unit, Onboard supply control unit, Fuse 49 on fuse holder C, Right window regulator motor, Front passenger door lock unit

- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- SC49 Fuse 49 on fuse holder C
- T4ab 4-pin connector
- T6af 6-pin connector
- T16f 16-pin connector
- T28b 28-pin connector, on right A-pillar
- T73a 73-pin connector, black
- V15 Right window regulator motor
- VX22 Front passenger door lock unit

- 206 Earth connection, in front passenger door wiring harness
- 735 Earth point in front right door

Legend:
- br = brown
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Light switch, Onboard supply control unit, Fuse 19 on fuse holder C, Heated exterior mirror on front passenger side

- E1 Light switch
- J519 Onboard supply control unit, near driver side A-pillar
- SC19 Fuse 19 on fuse holder C
- T6aa 6-pin connector, in right door, near exterior mirror, blue
- T28b 28-pin connector, on right A-pillar
- T73a 73-pin connector, black
- V25 Front passenger side mirror adjustment motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B472 Connection 8, in main wiring harness

* Up to November 2011
*2 From November 2011

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

https://www.automotive-manuals.net/
Rear driver side window regulator button, Rear left door control unit, Onboard supply control unit, Fuse 50 on fuse holder C, Rear left door lock unit, Rear left window regulator motor

- **E711**: Rear driver side window regulator button, in rear left door
- **J388**: Rear left door control unit
- **J519**: Onboard supply control unit, near driver side A-pillar
- **SC50**: Fuse 50 on fuse holder C
- **T4ae**: 4-pin connector, black
- **T6ar**: 6-pin connector, black
- **T16h**: 16-pin connector
- **T28**: 28-pin connector, on left B-pillar
- **T73a**: 73-pin connector, black
- **VX23**: Rear left door lock unit
- **V26**: Rear left window regulator motor

* Only models with SAFELOCK function
*2 From November 2011
Rear passenger side window regulator button, Rear right door control unit, Onboard supply control unit, Fuse 51 on fuse holder C, Rear right door lock unit, Rear right window regulator motor

- E713  Rear passenger side window regulator button, in rear right door
- J389  Rear right door control unit
- J519  Onboard supply control unit, near driver side A-pillar
- SC51  Fuse 51 on fuse holder C
- T4ag  4-pin connector
- T6as  6-pin connector, black
- T16i  16-pin connector, black
- T28c  28-pin connector, on right B-pillar
- VX24  Rear right door lock unit
- V27   Rear right window regulator motor

43  Earth point, lower part of right A-pillar
367  Earth connection 2, in main wiring harness

* Only models with SAFELOCK function
Climatic
From December 2009
Battery, Fuse 2 in fuse holder A, Fuse 42 on fuse holder C, Fuse 45 on fuse holder C

A Battery
D9 Electronic ignition lock
J329 Terminal 15 voltage supply relay
SA2 Fuse 2 in fuse holder A
SC42 Fuse 42 on fuse holder C
SC45 Fuse 45 on fuse holder C

1 Earth strap, battery - body

379 Earth connection 14, in main wiring harness

A15 Positive connection (15), in instrument wiring harness
A104 Positive connection 2 (15), in dash panel wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B316 Positive connection 2 (30a) in main wiring harness
B322 Positive connection 8 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Auxiliary coolant heater relay, Fuse 62 on fuse holder C, Circulation pump

- **J493** Auxiliary coolant heater relay
- **SC62** Fuse 62 on fuse holder C
- **V55** Circulation pump
- **368** Earth connection 3, in main wiring harness
- **372** Earth connection 7, in main wiring harness
- **380** Earth connection 15, in main wiring harness
- **655** Earth point, on left headlight
- **B317** Positive connection 3 (30a) in main wiring harness
- **D78** Positive connection 1 (30a), in engine compartment wiring harness
- **L62** Positive connection (30a), in auxiliary heater wiring harness

* Only models with diesel engine
*2 From November 2011

Current Flow Diagram

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

https://www.automotive-manuals.net/
Fuse 15 on fuse holder C, Circulation pump

J317  Terminal 30 voltage supply relay
J623  Engine control unit
SC15  Fuse 15 on fuse holder C
SC36  Fuse 36 on fuse holder C
T18   18-pin connector, black
T94   94-pin connector, black
T94a  94-pin connector, black
V55   Circulation pump

375   Earth connection 10, in main wiring harness
B564  Connection 31, in main wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

Fuse diagram with color codes:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

Amarok Current Flow Diagram No. 3 / 4

https://www.automotive-manuals.net/
Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Fuse 64 on fuse holder C, Fresh air blower

**J16** Current supply relay
**J301** Air conditioning system control unit
**N24** Fresh air blower series resistor with overheating fuse
**SC64** Fuse 64 on fuse holder C
**T2bp** 2-pin connector, in front left in footwell, black
**T4ah** 4-pin connector
**T5n** 5-pin connector, black
**T17a** 17-pin connector, behind glove compartment, black
**T20** 20-pin connector, black
**V2** Fresh air blower

- **80** Earth connection 1, in dash panel wiring harness
- **377** Earth connection 12, in main wiring harness
- **B491** Positive connection (75), in interior wiring harness
- **L9** Connection 1, in air conditioning system wiring harness

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

[Current Flow Diagram](https://www.automotive-manuals.net/)
High-pressure sender, Air conditioning system control unit, Onboard supply control unit

- G65: High-pressure sender
- J301: Air conditioning system control unit
- J519: Onboard supply control unit
- T3v: 3-pin connector
- T16: 16-pin connector, black
- T17a: 17-pin connector, behind glove compartment, black
- T20: 20-pin connector, black
- T21: 21-pin connector, on relay carrier, blue
- T73b: 73-pin connector
- U31: Diagnostic connection

- 44: Earth point, lower part of left A-pillar
- 366: Earth connection 1, in main wiring harness
- 371: Earth connection 6, in main wiring harness
- A2: Positive connection (15), in dash panel wiring harness

Connection (convenience CAN bus, high), in dash panel wiring harness

Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with diesel engine
*2 From November 2011

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

https://www.automotive-manuals.net/
Potentiometer for defroster flap control motor, Air conditioning system control unit, Air conditioner compressor regulating valve, Defroster flap control motor, Air recirculation flap control motor

G135  Potentiometer for defroster flap control motor
J301  Air conditioning system control unit
N280  Air conditioner compressor regulating valve
T6au  6-pin connector
T6ay  6-pin connector
T16k  16-pin connector, black
T17a  17-pin connector, behind glove compartment, black
T20   20-pin connector, black
T21   21-pin connector, on relay carrier, blue
T42   42-pin connector, near handbrake lever, black
V107  Defroster flap control motor
V113  Air recirculation flap control motor

68   Earth point, on left of rear cross member
86   Earth connection 1, in rear wiring harness
189  Earth connection 1, in heater wiring harness
196  Earth connection 3, in rear wiring harness
L31  Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Potentiometer for temperature flap control motor,
Potentiometer for footwell vent control motor,
Air conditioning system control unit,
Temperature flap control motor, Footwell flap control motor

G92  Potentiometer for temperature flap control motor
G468 Potentiometer for footwell vent control motor
J301  Air conditioning system control unit
T6aw  6-pin connector
T6ax  6-pin connector
T16k  16-pin connector, black
T20   20-pin connector, black
V68   Temperature flap control motor
V261  Footwell flap control motor

189  Earth connection 1, in heater wiring harness
L31  Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Centre vent temperature sender, Footwell vent temperature sender, Evaporator temperature sensor, Potentiometer for front air distribution control motor, Air conditioning system control unit, Air distribution flap control motor

- G191 Centre vent temperature sender
- G192 Footwell vent temperature sender
- G308 Evaporator temperature sensor
- G470 Potentiometer for front air distribution control motor
- J301 Air conditioning system control unit
- T6av 6-pin connector
- T16k 16-pin connector, black
- T20 20-pin connector, black
- V428 Air distribution flap control motor

- 189 Earth connection 1, in heater wiring harness
- A69 Connection (31, air conditioning system/blower control), in dash panel wiring harness
- L31 Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS)
From December 2009
Battery, ABS control unit, Onboard supply control unit, Fuse 1 on fuse holder B, Fuse 2 in fuse holder A, Fuse 4 on fuse holder B, Fuse 20 on fuse holder C

A Battery
J104 ABS control unit
J519 Onboard supply control unit
SB1 Fuse 1 on fuse holder B
SA2 Fuse 2 in fuse holder A
SB3 Fuse 3 on fuse holder B
SB4 Fuse 4 on fuse holder B
SC20 Fuse 20 on fuse holder C, black
T18a 18-pin connector, grey, near engine control unit
T47 47-pin connector, black
T73b 73-pin connector, colourless

1 Earth strap, battery - body
12 Earth point, on left in engine compartment
508 Threaded connection (30) on E-box
B317 Positive connection 3 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vl = purple
g = yellow
or = orange
s = pink
Brake light switch, ABS control unit, Onboard supply control unit, Fuse 1 on fuse holder C

- Brake light switch
- J104 ABS control unit
- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J623 Engine control unit
- M25 Additional brake light bulb
- SC1 Fuse 1 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- T4c 4-pin connector, black
- T6a 6-pin connector, black
- T42 42-pin connector, black, near handbrake lever
- T47 47-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- T94 94-pin connector, black
- T94a 94-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 372 Earth connection 7, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- A15 Positive connection (15), in instrument wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B482 Connection 18, in main wiring harness

* Only models with electronic stabilisation program (ESP)
*2 Only models with diesel engine
*3 Only models with petrol engine

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

TCS and ESP button, ABS control unit

- E1 Light switch
- E256 TCS and ESP button
- J104 ABS control unit
- T6k 6-pin connector, black
- T42 42-pin connector, black, near handbrake lever
- T47 47-pin connector, black

- 43 Earth point, lower part of right A-pillar
- 367 Earth connection 2, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- 378 Earth connection 13, in main wiring harness
- A38 Positive connection 2 (15a) in dash panel wiring harness
- B340 Connection 1 (58d), in main wiring harness
- B342 Connection 3 (58d), in main wiring harness
- B472 Connection 8, in main wiring harness

* with auxiliary drive (part time)
*2 with no auxiliary drive
*3 From November 2011
*4 Only models with electronic stabilisation program (ESP)
*5 Only models with anti-lock brake system (ABS), traction control system (TCS) and electronic differential lock (EDL)

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

https://www.automotive-manuals.net/
Driving program button, ABS control unit

E598  Driving program button
J104  ABS control unit
T61  6-pin connector, red
T42  42-pin connector, black, near handbrake lever
T47  47-pin connector, black

28  Earth point, on bulkhead
42  Earth point, next to steering column
366  Earth connection 1, in main wiring harness
371  Earth connection 6, in main wiring harness
B472  Connection 8, in main wiring harness

*  Only models with no ESP
*2  Only models with electronic stabilisation program (ESP)
*3  From November 2011

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gi = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink
ABS control unit, Dash panel insert, ABS warning lamp, Traction control system warning lamp, Driving program warning light, Diagnostic connection

- J104  ABS control unit
- J285  Control unit in dash panel insert
- K     Dash panel insert
- K47   ABS warning lamp
- K86   Traction control system warning lamp
- K243  Driving program warning light
- T16   16-pin connector, black
- T18a  18-pin connector, grey, near engine control unit
- T47   47-pin connector, black
- U31   Diagnostic connection
- B383  Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390  Connection 1 (powertrain CAN bus, low), in main wiring harness
- B625  Connection (K-diagnosis wire), in main wiring harness

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

J104  ABS control unit
T47  47-pin connector, black
*  Only models with no ESP
*2  with no auxiliary drive
*3  Only models with single cab
*4  with auxiliary drive (part time)
*5  with auxiliary drive (Torsen)
*6  Only models with double cab

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
Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit

- **G44** Rear right speed sensor
- **G45** Front right speed sensor
- **G46** Rear left speed sensor
- **G47** Front left speed sensor
- **J104** ABS control unit
- **T47** 47-pin connector, black

**Legend:**
- **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
From December 2009
Battery, Fuse 2 in fuse holder A, Fuse 42 on fuse holder C, Fuse 45 on fuse holder C, Fuse 64 on fuse holder C

A Battery
D9 Electronic ignition lock
J329 Terminal 15 voltage supply relay
SA2 Fuse 2 in fuse holder A
SC42 Fuse 42 on fuse holder C
SC45 Fuse 45 on fuse holder C
SC64 Fuse 64 on fuse holder C

1 Earth strap, battery - body

372 Earth connection 7, in main wiring harness
379 Earth connection 14, in main wiring harness
A15 Positive connection (15), in instrument wiring harness
A104 Positive connection 2 (15), in dash panel wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B316 Positive connection 2 (30a) in main wiring harness
B322 Positive connection 8 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Climatronic control unit, Fuse 62 on fuse holder C, Circulation pump

- J235 Coolant pump relay
- J255 Climatronic control unit, in centre of dash panel
- J493 Auxiliary coolant heater relay
- J623 Engine control unit
- SC62 Fuse 62 on fuse holder C
- T16l 16-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T21 21-pin connector, on relay carrier, blue
- T94 94-pin connector
- V55 Circulation pump

- 380 Earth connection 15, in main wiring harness
- B317 Positive connection 3 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with petrol engine
*2 Only models with diesel engine
*3 From November 2011

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

https://www.automotive-manuals.net/
Climatronic control unit, Terminal 30 voltage supply relay, Continued coolant circulation pump

- **J255**: Climatronic control unit, in centre of dash panel
- **J317**: Terminal 30 voltage supply relay
- **J623**: Engine control unit
- **SC15**: Fuse 15 on fuse holder C
- **SC36**: Fuse 36 on fuse holder C
- **T18**: 18-pin connector
- **T94**: 94-pin connector
- **T94a**: 94-pin connector
- **V51**: Continued coolant circulation pump
- **368**: Earth connection 3, in main wiring harness
- **375**: Earth connection 10, in main wiring harness
- **655**: Earth point, on left headlight
- **B564**: Connection 31, in main wiring harness

* Only models with petrol engine
*2 Only models with diesel engine

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**Legend**:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Sender for front Bitron blower regulation, Climatronic control unit, Fresh air blower

- **G462**: Sender for front Bitron blower regulation
- **J255**: Climatronic control unit, in centre of dash panel
- **T2aaaz**: 2-pin connector
- **T2bp**: 2-pin connector
- **T4ak**: 4-pin connector
- **T16l**: 16-pin connector, black
- **T16m**: 16-pin connector, brown
- **T17a**: 17-pin connector, behind glove compartment, black
- **T20a**: 20-pin connector
- **T21**: 21-pin connector, on relay carrier, blue
- **V2**: Fresh air blower

- **80**: Earth connection 1, in dash panel wiring harness
- **377**: Earth connection 12, in main wiring harness
- **L21**: Connection 1 (30), in Climatronic operating unit wiring harness

**Legend**:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bi = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

**Current Flow Diagram**

*https://www.automotive-manuals.net/*
High-pressure sender, Air quality sensor, Climatronic control unit

G65  High-pressure sender
G238  Air quality sensor, near window wiper motor
J255  Climatronic control unit, in centre of dash panel
T3f  3-pin connector
T3v  3-pin connector
T17a  17-pin connector, behind glove compartment, black
T20a  20-pin connector
T21  21-pin connector, on relay carrier, blue

42  Earth point, next to steering column
44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
371  Earth connection 6, in main wiring harness
A2  Positive connection (15), in dash panel wiring harness

*  Only models with petrol engine
*2  From November 2011

ws = white  sw = black  ro = red  br = brown  gn = green  bl = blue  gr = grey  li = purple  ge = yellow  or = orange  rs = pink
Climatronic control unit, Onboard supply control unit, Air conditioner compressor regulating valve

- J255 Climatronic control unit, in centre of dash panel
- J519 Onboard supply control unit
- N280 Air conditioner compressor regulating valve
- T17a 17-pin connector, behind glove compartment, black
- T20a 20-pin connector
- T21 21-pin connector, on relay carrier, blue
- T42 42-pin connector, near handbrake lever, black
- T73b 73-pin connector

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness

- A146 Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 Connection (convenience CAN bus, low), in dash panel wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Current Flow Diagram

Potentiometer for defroster flap control motor,
Potentiometer for footwell vent control motor, Climatronic control unit, Defroster flap control motor, Footwell flap control motor

- G135 Potentiometer for defroster flap control motor
- G468 Potentiometer for footwell vent control motor
- J255 Climatronic control unit, in centre of dash panel
- T6bd 6-pin connector
- T6bf 6-pin connector
- T16i 16-pin connector, black
- T16m 16-pin connector, brown
- V107 Defroster flap control motor
- V261 Footwell flap control motor

Earth connection 1, in heater wiring harness
Connection (5V), in air conditioning system wiring harness

Current Flow Diagram

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

https://www.automotive-manuals.net/
Potentiometer for left temperature flap control motor,  
Potentiometer for right temperature flap control motor,  
Climatronic control unit, Left temperature flap control motor,  
Right temperature flap control motor  

G220  Potentiometer for left temperature flap control motor  
G221  Potentiometer for right temperature flap control motor  
J255  Climatronic control unit, in centre of dash panel  
T6bb  6-pin connector  
T6be  6-pin connector  
T16l  16-pin connector, black  
T16m  16-pin connector, brown  
V158  Left temperature flap control motor  
V159  Right temperature flap control motor  

189  Earth connection 1, in heater wiring harness  
L31  Connection (5V), in air conditioning system wiring harness  

ws  =  white  
sw  =  black  
ro  =  red  
br  =  brown  
gn  =  green  
bl  =  blue  
gr  =  grey  
li  =  purple  
ge  =  yellow  
or  =  orange  
rs  =  pink
Potentiometer for front air distribution control motor, Potentiometer for fresh air/recirculated air, air flow flap control motor, Climatronic control unit, Fresh air and air recirculation flap control motor, Air distribution flap control motor

G470  Potentiometer for front air distribution control motor
G644  Potentiometer for fresh air/recirculated air, air flow flap control motor
J255  Climatronic control unit, in centre of dash panel
T6ba  6-pin connector
T6bc  6-pin connector
T16l  16-pin connector, black
T16m  16-pin connector, brown
V154  Fresh air and air recirculation flap control motor
V428  Air distribution flap control motor
189   Earth connection 1, in heater wiring harness
L31   Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Climatronic control unit

G107 Sunlight penetration photosensor
G150 Left vent temperature sender
G151 Right vent temperature sender
G261 Left footwell vent temperature sender
G262 Right footwell vent temperature sender
G308 Evaporator temperature sensor
J255 Climatronic control unit, in centre of dash panel
T4ai 4-pin connector
T16l 16-pin connector, black
T20a 20-pin connector
A69 Connection (31, air conditioning system/blower control), in dash panel wiring harness

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G107</td>
<td>Sunlight penetration photosensor</td>
</tr>
<tr>
<td>G150</td>
<td>Left vent temperature sender</td>
</tr>
<tr>
<td>G151</td>
<td>Right vent temperature sender</td>
</tr>
<tr>
<td>G261</td>
<td>Left footwell vent temperature</td>
</tr>
<tr>
<td>G262</td>
<td>Right footwell vent temperature</td>
</tr>
<tr>
<td>G308</td>
<td>Evaporator temperature sensor</td>
</tr>
<tr>
<td>J255</td>
<td>Climatronic control unit</td>
</tr>
<tr>
<td>T4ai</td>
<td>4-pin connector</td>
</tr>
<tr>
<td>T16l</td>
<td>16-pin connector, black</td>
</tr>
<tr>
<td>T20a</td>
<td>20-pin connector</td>
</tr>
</tbody>
</table>

A69 Connection (31, air conditioning system/blower control), in dash panel wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
CAN and LIN bus networking, powertrain CAN, diagnosis CAN, dash panel CAN, convenience CAN
From June 2011
Control unit in dash panel insert, Onboard supply control unit, Engine control unit

- J104 ABS control unit
- J187 Differential lock control unit
- J285 Control unit in dash panel insert
- J446 Parking aid control unit
- J519 Onboard supply control unit, near driver side A-pillar
- J623 Engine control unit
- K Dash panel insert
- T16p 16-pin connector, black
- T18a 18-pin connector, near battery, grey
- T18b 18-pin connector
- T32 32-pin connector, blue
- T47 47-pin connector
- T73b 73-pin connector, colourless

Connection 1 (powertrain CAN bus, high), in main wiring harness
- B383
- Connection 1 (powertrain CAN bus, low), in main wiring harness
- B390

* see applicable current flow diagram for engine
*2 Only models with start/stop system
*3 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Multifunction steering wheel control unit, Onboard supply control unit, Data bus diagnostic interface

- E595  Steering column combination switch
- J217  Automatic gearbox control unit
- J234  Airbag control unit
- J453  Multifunction steering wheel control unit
- J519  Onboard supply control unit, near driver side A-pillar
- J533  Data bus diagnostic interface
- J646  Transfer box control unit
- T5p  5-pin connector, black
- T8c  8-pin connector
- T12b  12-pin connector, yellow
- T14b  14-pin connector, near battery, black
- T16q  16-pin connector
- T20b  20-pin connector, black
- T41  41-pin connector, grey
- T50  50-pin connector

(B383) Connection 1 (powertrain CAN bus, high), in main wiring harness
(B390) Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with start/stop system
*2 Only models with electric window regulators
*3 Only models with manual window regulators

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

https://www.automotive-manuals.net/
Alternator with voltage regulator, Battery monitor control unit, Onboard supply control unit, Data bus diagnostic interface

CX1 Alternator with voltage regulator
J367 Battery monitor control unit
J519 Onboard supply control unit, near driver side A-pillar
J532 Voltage stabiliser
J533 Data bus diagnostic interface
SC67 Fuse 67 on fuse holder C
T2y 2-pin connector, black
T10i 10-pin connector
T18a 18-pin connector, near engine control unit, grey
T20b 20-pin connector, black
B319 Positive connection 5 (30a) in main wiring harness
B549 Connection 2 (LIN bus) in main wiring harness
* Only models with start/stop system

ws = white  sw = black  ro = red  br = brown
gn = green  gr = grey  li = purple  ge = yellow
or = orange  rs = pink
Onboard supply control unit, Data bus diagnostic interface, Diagnostic connection

- J519 Onboard supply control unit, near driver side A-pillar
- J533 Data bus diagnostic interface
- T16 16-pin connector
- T20b 20-pin connector, black
- T73b 73-pin connector, colourless
- U31 Diagnostic connection, near lower part of right A-pillar
  - B397 Connection 1 (convenience CAN bus, high), in main wiring harness
  - B406 Connection 1 (convenience CAN bus, low), in main wiring harness
  - B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
  - B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness
  - * Only models with start/stop system
  - *2 From November 2011

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

https://www.automotive-manuals.net/
Onboard supply control unit, Diagnostic connection

- **J519**: Onboard supply control unit, near driver side A-pillar
- **J895**: Control unit for vehicle location system
- **R**: Radio
- **SC42**: Fuse 42 on fuse holder C
- **SC45**: Fuse 45 on fuse holder C
- **T8c**: 8-pin connector
- **T16**: 16-pin connector
- **T16o**: 16-pin connector
- **T18a**: 18-pin connector, near battery, grey
- **T21**: 21-pin connector, on relay carrier, blue
- **T73b**: 73-pin connector, colourless
- **U31**: Diagnostic connection, near lower part of right A-pillar

- 44: Earth point, lower part of left A-pillar
- 366: Earth connection 1, in main wiring harness
- 378: Earth connection 13, in main wiring harness
- **A2**: Positive connection (15), in dash panel wiring harness
- **B316**: Positive connection 2 (30a) in main wiring harness
- **B625**: Connection (K-diagnosis wire), in main wiring harness

* Only models with no start/stop system
*2 From November 2011

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

Current Flow Diagram

No. 6 / 6

https://www.automotive-manuals.net/
Onboard supply control unit, Telephone controls control unit

- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J345 Trailer detector control unit
- J364 Auxiliary heater control unit
- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit, near driver side A-pillar
- J738 Telephone controls control unit, under centre console
- SC60 Fuse 60 on fuse holder C
- SC61 Fuse 61 on fuse holder C

- T6b 6-pin connector
- T8a 8-pin connector
- T12 12-pin connector
- T17a 17-pin connector, behind glove compartment, black
- T20 20-pin connector
- T20a 20-pin connector
- T21 21-pin connector, on relay carrier, blue
- T21a 21-pin connector, on relay carrier, brown
- T54 54-pin connector
- T73b 73-pin connector, colourless

- A146 Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with start/stop system

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

https://www.automotive-manuals.net/
Interior monitoring sensor, Onboard supply control unit

G273  Interior monitoring sensor
H12   Alarm horn
J386  Driver door control unit
J387  Front passenger door control unit
J388  Rear left door control unit
J389  Rear right door control unit
J519  Onboard supply control unit, near driver side A-pillar
T3i   3-pin connector
T4bc  4-pin connector
T16e  16-pin connector
T16f  16-pin connector
T16h  16-pin connector
T16i  16-pin connector
T28a  28-pin connector, on left A-pillar
T28b  28-pin connector, on right A-pillar
T28c  28-pin connector, on right B-pillar
T73b  73-pin connector, colourless

**B528** Connection 1 (LIN bus) in main wiring harness

* For models with anti-theft alarm system
*2 Only models with electric window regulators
*3 Only models with manual window regulators
*4 Only models with interior monitor
*5 From November 2011

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

https://www.automotive-manuals.net/
Airbag systems
From December 2009
Battery, Electronic ignition lock, Airbag control unit, Front passenger side airbag deactivated warning lamp, Fuse 2 in fuse holder A, Fuse 9 on fuse holder C

- Battery
- D9 Electronic ignition lock
- J234 Airbag control unit, under centre console
- J329 Terminal 15 voltage supply relay
- K145 Front passenger side airbag deactivated warning lamp, near radio
- SA2 Fuse 2 in fuse holder A
- SC9 Fuse 9 on fuse holder C
- T6ak 6-pin connector
- T9 9-pin connector, on relay carrier, yellow
- T50 50-pin connector

1. Earth strap, battery - body
44. Earth point, lower part of left A-pillar
366. Earth connection 1, in main wiring harness
372. Earth connection 7, in main wiring harness
379. Earth connection 14, in main wiring harness
A15 Positive connection (15), in instrument wiring harness
A104 Positive connection 2 (15), in dash panel wiring harness
B315 Positive connection 1 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness
T1 Positive connection 1, in airbag wiring harness

* Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor
*2 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Driver side belt switch, Key operated switch to deactivate front passenger side airbag, Airbag control unit, Dash panel insert

- E24 Driver side belt switch
- E224 Key operated switch to deactivate front passenger side airbag
- J234 Airbag control unit, under centre console
- J285 Control unit in dash panel insert
- K Dash panel insert
- K75 Airbag warning lamp

- T2yax 2-pin connector, black
- T6an 6-pin connector
- T9 9-pin connector, on relay carrier, yellow
- T32 32-pin connector, blue
- T50 50-pin connector

109 Earth connection, in airbag wiring harness

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor

*2 Only models with no side airbag, no front passenger airbag and no key operated switch

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

https://www.automotive-manuals.net/
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit, Driver seat belt tensioner igniter 1

- G179 Side airbag crash sensor on driver side, on left B-pillar
- G180 Side airbag crash sensor on front passenger side, on right B-pillar
- G283 Front airbag crash sensor for driver side, near left headlight
- G284 Front airbag crash sensor for front passenger side, near right headlight
- J234 Airbag control unit, under centre console
- N153 Driver seat belt tensioner igniter 1

- T2c 2-pin connector
- T50 50-pin connector

* Only models with front head-thorax airbag

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

https://www.automotive-manuals.net/
Airbag control unit, Front passenger side airbag igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

J234  Airbag control unit, under centre console
N131  Front passenger side airbag igniter 1
N154  Front passenger seat belt tensioner igniter 1
N199  Side airbag igniter on driver side
N200  Side airbag igniter on front passenger side
T2ae  2-pin connector, yellow
T2k  2-pin connector
T2l  2-pin connector
T3k  3-pin connector, under driver seat, yellow
T3l  3-pin connector, Coupling point under front passenger seat, yellow
T9  9-pin connector, on relay carrier, yellow
T50  50-pin connector

312  Earth connection 2, in airbag wiring harness

*  Only models with front head-thorax airbag
*2  Only models with front passenger airbag

ws  = white
sw  = black
ro  = red
br  = brown
gn  = green
bl  = blue
gf  = grey
li  = purple
gy  = yellow
or  = orange
rs  = pink
Steering column combination switch, Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Diagnostic connection

- E595 Steering column combination switch
- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- J234 Airbag control unit, under centre console
- N95 Driver side airbag igniter
- T12b 12-pin connector
- T16 16-pin connector
- T41 41-pin connector, grey
- T50 50-pin connector
- U31 Diagnostic connection, near driver side A-pillar

- 42 Earth point, next to steering column
- 371 Earth connection 6, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- B316 Positive connection 2 (30a) in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
*2 From November 2011

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Central locking, window regulators and mirror adjustment, RHD vehicles
From December 2009
Onboard supply control unit, Fuse 19 on fuse holder C, Fuse 66 on fuse holder C

- J519 Onboard supply control unit
- SC19 Fuse 19 on fuse holder C
- SC66 Fuse 66 on fuse holder C
- T73a 73-pin connector
- T73b 73-pin connector

- 42 Earth point, next to steering column
- 43 Earth point, lower part of right A-pillar
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- B467 Connection 3, in main wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Fuel tank filler flap central locking actuator, Onboard supply control unit

- F219: Fuel tank filler flap central locking actuator
- J519: Onboard supply control unit
- T42: 42-pin connector
- T73a: 73-pin connector
- B214: Connection 1 (central locking), in interior wiring harness
- B215: Connection 2 (central locking), in interior wiring harness
- B466: Connection 2, in main wiring harness

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

Current Flow Diagram

No. 8 / 3

https://www.automotive-manuals.net/
Light switch, Onboard supply control unit

- E1 Light switch
- J519 Onboard supply control unit
- T73b 73-pin connector
- B340 Connection 1 (58d), in main wiring harness
- B472 Connection 8, in main wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness

* From November 2011

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Central locking button, Onboard supply control unit, Central locking SAFELOCK function warning lamp

- **E600** Central locking button
- **J519** Onboard supply control unit
- **K133** Central locking SAFELOCK function warning lamp
- **T4aa** 4-pin connector
- **T28b** 28-pin connector
- **T73a** 73-pin connector

**205** Earth connection, in driver door wiring harness

**367** Earth connection 2, in main wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Driver door lock unit

- E43: Mirror adjustment switch
- J519: Onboard supply control unit
- T8f: 8-pin connector
- T10f: 10-pin connector
- T28b: 28-pin connector
- T73a: 73-pin connector
- T73b: 73-pin connector
- VX21: Driver door lock unit

**Connection 1 (open), in driver door wiring harness**

- *: Only models with SAFELOCK function
- *2: Only models with 2-doors
- *3: From November 2011

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

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Fuse 33 on fuse holder C

- **E43** Mirror adjustment switch
- **J519** Onboard supply control unit
- **SC33** Fuse 33 on fuse holder C
- **T10f** 10-pin connector
- **T28b** 28-pin connector

**Z1** Connection 1, in mirror adjustment/heating wiring harness

Current Flow Diagram

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

Amarok

https://www.automotive-manuals.net/
Front passenger door control unit, Onboard supply control unit, Fuse 48 on fuse holder C, Right window regulator motor, Heated exterior mirror on driver side

- J387  Front passenger door control unit
- J519  Onboard supply control unit
- SC48  Fuse 48 on fuse holder C
- T6aa  6-pin connector
- T16f  16-pin connector
- T28b  28-pin connector
- V15   Right window regulator motor
- V17   Driver side mirror adjustment motor
- V149  Driver side mirror adjustment motor
- Z4    Heated exterior mirror on driver side

Z1  Connection 1, in mirror adjustment/heating wiring harness

*  Only models with 2-doors

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

https://www.automotive-manuals.net/
Front right window regulator switch, Driver door control unit, Front passenger door control unit, Onboard supply control unit, Right window regulator motor

- E41 Front right window regulator switch
- J386 Driver door control unit
- J387 Front passenger door control unit
- J519 Onboard supply control unit
- T4ac 4-pin connector
- T16f 16-pin connector
- T28b 28-pin connector
- V15 Right window regulator motor

- 735 Earth point in front right door
  * Only models with 2-doors

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

Current Flow Diagram
No. 8 / 9

https://www.automotive-manuals.net/
Childproof lock button, Front driver side window regulator button, Rear driver side window regulator button, in driver door, Rear passenger side window regulator button, in driver door, Front passenger side window regulator button, in driver door, Driver door control unit, Onboard supply control unit, Button illumination bulb

- **E318** Childproof lock button
- **E710** Front driver side window regulator button
- **E712** Rear driver side window regulator button, in driver door
- **E714** Rear passenger side window regulator button, in driver door
- **E715** Front passenger side window regulator button, in driver door
- **J386** Driver door control unit
- **J519** Onboard supply control unit
- **K236** Warning light for activated childproof lock
- **L76** Button illumination bulb
- **T10g** 10-pin connector
- **T16f** 16-pin connector

**R94** Connection 1 in driver side door wiring harness
Front passenger side window regulator button, Front passenger door control unit, Onboard supply control unit, Fuse 49 on fuse holder C, Left window regulator motor, Front passenger door lock unit

- E716  Front passenger side window regulator button
- J387  Front passenger door control unit
- J519  Onboard supply control unit
- SC49  Fuse 49 on fuse holder C
- T4u   4-pin connector
- T6z   6-pin connector
- T16e  16-pin connector
- T28a  28-pin connector
- T73a  73-pin connector
- V14   Left window regulator motor
- VX22  Front passenger door lock unit

- 377   Earth connection 12, in main wiring harness
- 734   Earth point in front left door
- 740   Earth point 2 in front left door

* Only models with SAFELOCK function
*2 From November 2011

ws = white  sw = black  ro = red  br = brown
gn = green  bl = blue  gr = grey  li = purple
ge = purple  or = orange  rs = pink
Suppression filter, Onboard supply control unit, Heated exterior mirror on front passenger side

- C10  Suppression filter
- J519  Onboard supply control unit
- T5o  5-pin connector
- T6ae  6-pin connector
- T28a  28-pin connector
- T73a  73-pin connector
- V25  Front passenger side mirror adjustment motor
- V150  Front passenger side mirror adjustment motor
- Z5  Heated exterior mirror on front passenger side

- 206  Earth connection, in front passenger door wiring harness
- A63  Connection (mirror adjustment/heating), in dash panel wiring harness
- R99  Connection 2 in front passenger side door wiring harness
- R100  Connection 3 in front passenger side door wiring harness
- Z2  Connection 2, in mirror adjustment/heating wiring harness
- Z4  Positive connection (15a), in mirror adjustment/heating wiring harness

Legend:

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Rear driver side window regulator button, Rear right door control unit, Onboard supply control unit, Fuse 51 on fuse holder C, Rear right door lock unit, Rear right window regulator motor

E711  Rear driver side window regulator button
J389  Rear right door control unit
J519  Onboard supply control unit
SC51  Fuse 51 on fuse holder C
T4ag  4-pin connector
T6as  6-pin connector
T16i  16-pin connector
T28c  28-pin connector
VX24  Rear right door lock unit
V27   Rear right window regulator motor
* Only models with SAFELOCK function

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

Current Flow Diagram

No. 8 / 14

https://www.automotive-manuals.net/
Anti-theft alarm system
From December 2009
Interior monitoring switch, Interior monitoring sensor, 
Onboard supply control unit

- E183 Interior monitoring switch
- G273 Interior monitoring sensor
- J519 Onboard supply control unit, near driver side A-pillar
- SA2 Fuse 2 in fuse holder A
- T4ba 4-pin connector, black
- T4bc 4-pin connector, brown
- T73a 73-pin connector, black
- T73b 73-pin connector
- W1 Front interior light
- 61 Earth point, left C-pillar
- 370 Earth connection 5, in main wiring harness
- A29 Connection (interior light), in dash panel wiring harness
- B316 Positive connection 2 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- R4 Connection 1, in interior light/door contact switch wiring harness

* From November 2011

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink
Onboard supply control unit, Driver door lock unit, Rear left door lock unit

J519  Onboard supply control unit, near driver side A-pillar
T6ar  6-pin connector
T8e   8-pin connector
T28  28-pin connector, on left B-pillar
T28a 28-pin connector, on left A-pillar
T73a  73-pin connector, black
T73b  73-pin connector
VX21  Driver door lock unit
VX23  Rear left door lock unit

- 205  Earth connection, in driver door wiring harness
- 367  Earth connection 2, in main wiring harness
- 372  Earth connection 7, in main wiring harness

Current Flow Diagram

No. 9 / 4

https://www.automotive-manuals.net/
Onboard supply control unit, Front passenger door lock unit, Rear right door lock unit

- J519: Onboard supply control unit, near driver side A-pillar
- T6af: 6-pin connector
- T6as: 6-pin connector
- T28b: 28-pin connector, on right A-pillar
- T28c: 28-pin connector, on right B-pillar
- T73a: 73-pin connector, black
- VX22: Front passenger door lock unit
- VX24: Rear right door lock unit

- 206: Earth connection, in front passenger door wiring harness
- 367: Earth connection 2, in main wiring harness
- 372: Earth connection 7, in main wiring harness

---

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

https://www.automotive-manuals.net/
Onboard supply control unit, Rear right door lock unit

- J519 Onboard supply control unit
- T6as 6-pin connector
- T8f 8-pin connector
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, on right B-pillar
- T73a 73-pin connector
- VX21 Driver door lock unit
- VX24 Rear right door lock unit

- 206 Earth connection, in front passenger door wiring harness
- 367 Earth connection 2, in main wiring harness
- 372 Earth connection 7, in main wiring harness

* Only right-hand drive models

Current Flow Diagram

No. 9 / 6

Amarok
Onboard supply control unit, Front passenger door lock unit, Rear left door lock unit

- J519 Onboard supply control unit
- T6ar 6-pin connector
- T6z 6-pin connector
- T28 28-pin connector, on left B-pillar
- T28a 28-pin connector, on left A-pillar
- T73a 73-pin connector
- VX22 Front passenger door lock unit
- VX23 Rear left door lock unit

- 205 Earth connection, in driver door wiring harness
- 372 Earth connection 7, in main wiring harness

* Only right-hand drive models

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

Current Flow Diagram

No. 9 / 7

https://www.automotive-manuals.net/
All-wheel drive
From December 2009
Current Flow Diagram

Battery, Terminal 15 voltage supply relay, Fuse 2 in fuse holder A, Fuse 11 on fuse holder C, Fuse 42 on fuse holder C, Fuse 46 on fuse holder C

- Battery
- D9 Electronic ignition lock
- J329 Terminal 15 voltage supply relay
- SA2 Fuse 2 in fuse holder A
- SC11 Fuse 11 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC46 Fuse 46 on fuse holder C

1. Earth strap, battery - body
2. Earth connection 7, in main wiring harness
3. Earth connection 14, in main wiring harness
4. Positive connection (15), in instrument wiring harness
5. Positive connection 2 (15), in dash panel wiring harness
6. Positive connection 1 (30a) in main wiring harness
7. Positive connection 8 (30a) in main wiring harness
8. Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Rear differential lock switch, Axle differential lock Hall sender 1, Differential lock control unit, Control solenoid

- E121: Rear differential lock switch, in centre console
- G460: Axle differential lock Hall sender 1, on rear axle, left
- J187: Differential lock control unit, in centre console, near handbrake lever
- N5: Control solenoid, on rear axle, left
- T6n: 6-pin connector
- T6x: 6-pin connector, on rear axle, left, black
- T18b: 18-pin connector
- T42: 42-pin connector, near handbrake lever, black
- 44: Earth point, lower part of left A-pillar
- 366: Earth connection 1, in main wiring harness
- 371: Earth connection 6, in main wiring harness
- 378: Earth connection 13, in main wiring harness
- (B342): Connection 3 (58d), in main wiring harness

* Only models with rear differential lock
*2 From November 2011
Differential lock control unit, Control unit in dash panel insert, Transfer box control unit, Rear axle differential lock warning lamp, Inter-axle lock-up warning lamp

J187  Differential lock control unit, in centre console, near handbrake lever
J285  Control unit in dash panel insert
J646  Transfer box control unit
K     Dash panel insert
K276  Rear axle differential lock warning lamp
K277  Reduction gearing warning lamp
K278  Inter-axle lock-up warning lamp
T16a  16-pin connector
T18b  18-pin connector
T32   32-pin connector
A2    Positive connection (15), in dash panel wiring harness
B383  Connection 1 (powertrain CAN bus, high), in main wiring harness
B390  Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with rear differential lock
*2 Only models with all-wheel drive

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

https://www.automotive-manuals.net/
Running gear program switch, Transfer box control unit, Normal operation warning lamp in transfer box operating unit, Reduction gearing warning lamp in transfer box operating unit, Inter-axle lock-up warning lamp in transfer box operating unit

- **E1** Light switch
- **E631** Running gear program switch, in centre console
- **J646** Transfer box control unit
- **K181** Normal operation warning lamp in transfer box operating unit
- **K182** Reduction gearing warning lamp in transfer box operating unit, in centre console
- **K183** Inter-axle lock-up warning lamp in transfer box operating unit
- **T6p** 6-pin connector
- **T6r** 6-pin connector
- **T6s** 6-pin connector
- **T16a** 16-pin connector

**Earth connections**
- **43** Earth point, lower part of right A-pillar
- **367** Earth connection 2, in main wiring harness
- **373** Earth connection 8, in main wiring harness

**Connectors**
- **B340** Connection 1 (58d), in main wiring harness
- **B472** Connection 8, in main wiring harness

*Only models with all-wheel drive

*From November 2011

**Legend**
- **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

**Current Flow Diagram**

No. 10 / 5

https://www.automotive-manuals.net/
Transfer box inter-axle lock-up switch, Hall sender for transfer box, Transfer box control unit, Transfer box control motor

- F438 Transfer box inter-axle lock-up switch
- G759 Hall sender for transfer box, on gearbox
- J646 Transfer box control unit
- T3n 3-pin connector
- T3x 3-pin connector
- T4d 4-pin connector
- T4m 4-pin connector
- T16a 16-pin connector
- T16a 18-pin connector, near engine control unit, grey
- T42 42-pin connector, near handbrake lever, black
- V455 Transfer box control motor, on gearbox
- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- * with auxiliary drive (part time)
- *2 Only models with all-wheel drive

Legend:
- 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

https://www.automotive-manuals.net/
Radio system, (8AN), (8AG)
From December 2009
Battery, Light switch, Radio, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

A  Battery
E1  Light switch
R  Radio
SA2  Fuse 2 in fuse holder A
SC67  Fuse 67 on fuse holder C
T8c  8-pin connector, black
T21a  21-pin connector, on relay carrier, brown
T28a  28-pin connector

1  Earth strap, battery - body
44  Earth point, lower part of left A-pillar
734  Earth point in front left door

A7  Positive connection (58 D1), in dash panel wiring harness
B322  Positive connection 8 (30a) in main wiring harness
B340  Connection 1 (58d), in main wiring harness
B472  Connection 8, in main wiring harness
D78  Positive connection 1 (30a), in engine compartment wiring harness

V28  Connection 1, in radio wiring harness
*

From November 2011

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

https://www.automotive-manuals.net/
Electronic ignition lock, Dash panel insert, Radio, Front left loudspeaker, Front right loudspeaker, Diagnostic connection

- **D9**: Electronic ignition lock
- **G21**: Speedometer
- **J285**: Control unit in dash panel insert
- **K**: Dash panel insert
- **R**: Radio
- **R2**: Front left loudspeaker
- **R3**: Front right loudspeaker
- **T4s**: 4-pin connector
- **T4w**: 4-pin connector
- **T8b**: 8-pin connector, brown
- **T8c**: 8-pin connector, black
- **T21**: 21-pin connector, on relay carrier, blue
- **T21a**: 21-pin connector, on relay carrier, brown
- **T28a**: 28-pin connector, in left A-pillar
- **T28b**: 28-pin connector, on right A-pillar
- **T32**: 32-pin connector
- **U31**: Diagnostic connection
- **B468**: Connection 4, in main wiring harness
- **B489**: Connection 25, in main wiring harness
- **B625**: Connection (K-diagnosis wire), in main wiring harness

* Only models with 2 loudspeakers (8RD)
*2 Only models with no electric interface

**Key Colors**:
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Radio, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- **R** Radio
- **R4** Rear left loudspeaker
- **R20** Front left treble loudspeaker
- **R21** Front left bass loudspeaker
- **T2m** 2-pin connector
- **T4ad** 4-pin connector
- **T4s** 4-pin connector
- **T8b** 8-pin connector, brown
- **T21a** 21-pin connector, on relay carrier, brown
- **T28** 28-pin connector, on left B-pillar
- **T28a** 28-pin connector, on left A-pillar

**V7** Connection (positive, front left loudspeaker), in loudspeaker wiring harness

**V8** Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)

*2 Only models with 4 or 6 loudspeakers

---

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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https://www.automotive-manuals.net/
Current Flow Diagram

Radio, Rear right loudspeaker, Aerial, Front right treble loudspeaker, Front right bass loudspeaker, Aerial amplifier

- **R**: Radio
- **R5**: Rear right loudspeaker
- **R11**: Aerial
- **R22**: Front right treble loudspeaker
- **R23**: Front right bass loudspeaker
- **R24**: Aerial amplifier
- **T2au**: 2-pin connector, in left door, near exterior mirror
- **T2az**: 2-pin connector, colourless
- **T2o**: 2-pin connector
- **T4af**: 4-pin connector
- **T4w**: 4-pin connector
- **T8b**: 8-pin connector, brown
- **T21a**: 21-pin connector, on relay carrier, brown
- **T28a**: 28-pin connector, on left A-pillar
- **T28b**: 28-pin connector, on right A-pillar
- **T28c**: 28-pin connector, on right B-pillar
- **V9**: Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- **V10**: Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

---

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

https://www.automotive-manuals.net/
Radio navigation system, (8AY), (7UC), (7UK)
From December 2009
Battery, Control unit with display for radio and navigation, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

A Battery
J503 Control unit with display for radio and navigation
SA2 Fuse 2 in fuse holder A
SC67 Fuse 67 on fuse holder C
T8a 8-pin connector, black
T21a 21-pin connector, on relay carrier, brown

1 Earth strap, battery - body
44 Earth point, lower part of left A-pillar
B322 Positive connection 8 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness
V28 Connection 1, in radio wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Control unit with display for radio and navigation, Front left loudspeaker, Front right loudspeaker, Telephone microphone, Diagnostic connection

J503 Control unit with display for radio and navigation
J519 Onboard supply control unit
R2 Front left loudspeaker
R3 Front right loudspeaker
R38 Telephone microphone
T4s 4-pin connector
T4w 4-pin connector
T8 8-pin connector, brown
T8a 8-pin connector, black
T12d 12-pin connector, green
T16 16-pin connector, black
T21 21-pin connector, on relay carrier, blue
T21a 21-pin connector, on relay carrier, brown
T28a 28-pin connector, on left A-pillar
T28b 28-pin connector, on right A-pillar
T73b 73-pin connector, colourless
U31 Diagnostic connection

* Only models with 2 loudspeakers (8RD)
*2 Only models with mobile telephone/ preparation for mobile telephone

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Control unit with display for radio and navigation, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

J503  Control unit with display for radio and navigation
R4    Rear left loudspeaker
R20   Front left treble loudspeaker
R21   Front left bass loudspeaker
T2m   2-pin connector
T4ad  4-pin connector
T4s   4-pin connector
T8    8-pin connector, brown
T21a  21-pin connector, on relay carrier, brown
T28   28-pin connector, on left B-pillar
T28a  28-pin connector, on left A-pillar
V7    Connection (positive, front left loudspeaker), in loudspeaker wiring harness
V8    Connection (negative, front left loudspeaker), in loudspeaker wiring harness
*   Only models with equipment (6-passive loudspeakers)
*2  Only models with 4 or 6 loudspeakers

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

Control unit with display for radio and navigation, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503  Control unit with display for radio and navigation
- R5   Rear right loudspeaker
- R22  Front right treble loudspeaker
- R23  Front right bass loudspeaker
- T2o  2-pin connector
- T4af 4-pin connector
- T4w  4-pin connector
- T8   8-pin connector, brown
- T21a 21-pin connector, on relay carrier, brown
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, on right B-pillar

- V9  Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- V10 Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

https://www.automotive-manuals.net/
Control unit with display for radio and navigation, Aerial, Aerial amplifier, GPS aerial, Radio aerial 2

- J503  Control unit with display for radio and navigation
- R11  Aerial
- R24  Aerial amplifier
- R50  GPS aerial
- R93  Radio aerial 2
- R111 Aerial amplifier 2

- T2au 2-pin connector, in left door, near exterior mirror
- T2aw 2-pin connector, in right door, near exterior mirror, blue
- T2ax 2-pin connector, in right door, near exterior mirror
- T2ay 2-pin connector, blue
- T4x 4-pin connector, colourless
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar

- 43  Earth point, lower part of right A-pillar
- 734 Earth point in front left door
- 735 Earth point in front right door
- * Aerial connection for radio
- *2 Aerial connection for GPS

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

https://www.automotive-manuals.net/
Auxiliary coolant heater, supplementary heater, supplementary heater which can be operated independently

From December 2009
Battery, Engine control unit, Fuse 2 in fuse holder A, Fuse 15 on fuse holder C, Fuse 36 on fuse holder C, Fresh air blower

A  Battery
E 16  Heater/heat output switch
J 16  Current supply relay
J 255  Climatronic control unit
J 301  Air conditioning system control unit
J 317  Terminal 30 voltage supply relay
J 623  Engine control unit
SA 2  Fuse 2 in fuse holder A
SC 15  Fuse 15 on fuse holder C
SC 36  Fuse 36 on fuse holder C
SC 64  Fuse 64 on fuse holder C
T 2bp  2-pin connector, in front right footwell, black
T 17a  17-pin connector, behind glove compartment, black
T 94a  94-pin connector, black
V 2  Fresh air blower

1  Earth strap, battery - body
80  Earth connection 1, in dash panel wiring harness
377  Earth connection 12, in main wiring harness
B 322  Positive connection 8 (30a) in main wiring harness
B 491  Positive connection (75), in interior wiring harness
B 564  Connection 31, in main wiring harness
D 78  Positive connection 1 (30a), in engine compartment wiring harness

* Only models with Climatronic
*2 Only models with diesel engine
*3 Only models with no air conditioning system/Climatronic
*4 Only models with air conditioning system/ Climatronic

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

https://www.automotive-manuals.net/
Auxiliary heater control unit, Circulation pump

- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J364 Auxiliary heater control unit
- J493 Auxiliary coolant heater relay
- T2h 2-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T21 21-pin connector, on relay carrier, blue
- V55 Circulation pump

- 44 Earth point, lower part of left A-pillar
- 368 Earth connection 3, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- 655 Earth point, on left headlight

* Only models with air conditioning system/Climatronic
*2 Only models with diesel engine
*3 Only models with no air conditioning system/Climatronic
*4 From November 2011

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

Current Flow Diagram

No. 13 / 4

https://www.automotive-manuals.net/
43 44 45 46 47 48 49 50 51 52 53 54 55 56

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

Auxiliary heater control unit, Glow plug for heater, Combustion air blower

J364  Auxiliary heater control unit
Q9   Glow plug for heater
V6   Combustion air blower
V178  Coolant circulation pump 2

Current Flow Diagram

Amarok

No. 13 / 5

https://www.automotive-manuals.net/
Flame monitor, Overheating sensor, Coolant temperature sender for heater, Auxiliary heater control unit

- G64 Flame monitor
- G189 Overheating sensor
- G241 Coolant temperature sender for heater
- J364 Auxiliary heater control unit

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

Current Flow Diagram

No. 13 / 6

https://www.automotive-manuals.net/
Fuse assignment
From December 2009
Battery, Starter, Alternator with voltage regulator, Fuse 1 in fuse holder A

- **A** Battery
- **B** Starter
- **CX1** Alternator with voltage regulator
- **J519** Onboard supply control unit
- **J623** Engine control unit
- **SA1** Fuse 1 in fuse holder A
- **T2bc** 2-pin connector, black
- **T10b** 10-pin connector, in front centre console, yellow
- **T18a** 18-pin connector, near engine control unit, black
- **T18** 18-pin connector, near engine control unit, grey
- **T73b** 73-pin connector

1. **1** Earth strap, battery - body
12. **12** Earth point, on left in engine compartment
652. **652** Earth point, engine and gearbox earth
B569. **B569** Connection 36, in main wiring harness
X78. **X78** Connection 1, in optional equipment wiring harness
X79. **X79** Connection 2, in optional equipment wiring harness

* Only models with electric interface for external use
*2 see applicable current flow diagram for engine

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**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gf** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink

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https://www.automotive-manuals.net/
Main relay, Terminal 15 voltage supply relay, Fuse 2 in fuse holder A

- **J271** Main relay
- **J329** Terminal 15 voltage supply relay
- **J519** Onboard supply control unit
- **J701** Voltage supply relay 1
- **SA2** Fuse 2 in fuse holder A
- **T73a** 73-pin connector

44 Earth point, lower part of left A-pillar

366 Earth connection 1, in main wiring harness

- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B315** Positive connection 1 (30a) in main wiring harness
- **B489** Connection 25, in main wiring harness
- **D78** Positive connection 1 (30a), in engine compartment wiring harness

* Only models with electric interface for external use
*2 Up to May 2011
*3 Only models with petrol engine
*4 From November 2011

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Current supply relay, Starter motor relay, Voltage supply relay 2

- J16 Current supply relay
- J53 Starter motor relay
- J519 Onboard supply control unit
- J710 Voltage supply relay 2
- T73b 73-pin connector

- A57 Positive connection 3 (30), in dash panel wiring harness
- B479 Connection 15, in main wiring harness
- B490 Connection 26, in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* Up to May 2011
*2 From May 2011
*3 see applicable current flow diagram for engine
*4 From November 2011

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

Manual available at: https://www.automotive-manuals.net/
Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit

- F36 Clutch pedal switch
- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- T2k 2-pin connector
- T5g 5-pin connector
- T42 42-pin connector, near handbrake lever, black
- T94 94-pin connector, black
- T94a 94-pin connector, black

Connection 31, in main wiring harness

* Only models with diesel engine
*2 Only models with petrol engine
*3 Only models with air conditioning system/Climatronic
*4 Only models with no air conditioning system/Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gy = grey
gle = yellow
or = orange
rs = pink
Auxiliary coolant heater relay, Circulation pump

J255  Climatronic control unit
J493  Auxiliary coolant heater relay
T16l  16-pin connector
T17a  17-pin connector, behind glove compartment, black
T21   21-pin connector, on relay carrier, blue
V55   Circulation pump

372  Earth connection 7, in main wiring harness
379  Earth connection 14, in main wiring harness
380  Earth connection 15, in main wiring harness

*  Only models with air conditioning system/Climatronic
*2 Only models with Climatronic
*3 Only models with auxiliary coolant heater (supplementary heater)
*4 Only models with no auxiliary coolant heater
*5 Only models with diesel engine
*6 Only models with no air conditioning system/Climatronic
*7 Only models with petrol engine
*8 From November 2011
*9 From May 2011

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

https://www.automotive-manuals.net/
Fuse 3 in fuse holder A, Fuse 4 in fuse holder A, Fuse 6 in fuse holder A, Radiator fan, Circulation pump

J235  Coolant pump relay
J255  Climatronic control unit
J293  Radiator fan control unit
J493  Auxiliary coolant heater relay
SA3  Fuse 3 in fuse holder A
SA4  Fuse 4 in fuse holder A
SA6  Fuse 6 in fuse holder A
T6h  6-pin connector, in front centre console, black
T16l  16-pin connector
T17a  17-pin connector, behind glove compartment, black
T21  21-pin connector, on relay carrier, blue
V7  Radiator fan
V55  Circulation pump
*  According to equipment
*2 Only models with electric interface for external use
*3 Only models with petrol engine
*4 Only models with air conditioning system/ Climatronic
*5 Only for countries with hot climate
*6 From November 2011

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

https://www.automotive-manuals.net/
ABS control unit, Automatic glow period control unit, Onboard supply control unit, Fuse 1 on fuse holder B, Fuse 2 on fuse holder B, Fuse 3 in fuse holder A, Fuse 3 on fuse holder B, Fuse 4 on fuse holder B, Fuse 5 in fuse holder A

J104  ABS control unit
J179  Automatic glow period control unit
J519  Onboard supply control unit
SB1   Fuse 1 on fuse holder B
SB2   Fuse 2 on fuse holder B
SA3   Fuse 3 in fuse holder A
SB3   Fuse 3 on fuse holder B
SB4   Fuse 4 on fuse holder B
SB5   Fuse 5 on fuse holder B
SA5   Fuse 5 in fuse holder A
SB6   Fuse 6 on fuse holder B
T11   11-pin connector, black
T18a  18-pin connector, near engine control unit, grey
T47   47-pin connector, black
T73b  73-pin connector
*  Only models with diesel engine

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

https://www.automotive-manuals.net/
Electronic ignition lock, Left brake light bulb, Right brake light bulb, Additional brake light bulb, Heated exterior mirror on driver side, Heated exterior mirror on front passenger side

- D9  Electronic ignition lock
- J519  Onboard supply control unit
- M9  Left brake light bulb
- M10  Right brake light bulb
- M25  Additional brake light bulb
- SC4  Fuse 4 on fuse holder C
- SC8  Fuse 8 on fuse holder C
- SC19  Fuse 19 on fuse holder C
- SC20  Fuse 20 on fuse holder C
- T5i  5-pin connector
- T5k  5-pin connector
- T6a  6-pin connector
- T6f  6-pin connector, black
- T28  28-pin connector, near A-pillar, grey
- T42  42-pin connector, near handbrake lever, black
- T73a  73-pin connector, black
- T73b  73-pin connector
- Z4  Heated exterior mirror on driver side
- Z5  Heated exterior mirror on front passenger side
- A63  Connection (mirror adjustment/ heating), in dash panel wiring harness
- B317  Positive connection 3 (30a) in main wiring harness
- B318  Positive connection 4 (30a) in main wiring harness
- B335  Connection 1 (54), in main wiring harness
- W1  Positive connection 1 (54), in rear wiring harness

* From May 2011
*2 see applicable current flow diagram for window regulators/ basic equipment/ convenience system
Treble horn, Driver door control unit, Front passenger door control unit, Control unit for vehicle location system, Windscreen wiper motor, Front interior light

- **J386** Driver door control unit
- **J387** Front passenger door control unit
- **J519** Onboard supply control unit
- **J895** Control unit for vehicle location system
- **SC21** Fuse 21 on fuse holder C
- **SC22** Fuse 22 on fuse holder C
- **SC43** Fuse 43 on fuse holder C
- **SC47** Fuse 47 on fuse holder C
- **SC48** Fuse 48 on fuse holder C
- **SC49** Fuse 49 on fuse holder C
- **T3b** 3-pin connector
- **T16e** 16-pin connector, black
- **T16f** 16-pin connector, brown
- **T21** 21-pin connector, on relay carrier, blue
- **T28a** 28-pin connector, in left A-pillar
- **T28b** 28-pin connector, on right A-pillar
- **T73a** 73-pin connector, black
- **V** Windscreen wiper motor
- **W1** Front interior light

**B317** Positive connection 3 (30a) in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Country specific
- *4 see applicable current flow diagram for basic equipment

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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

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https://www.automotive-manuals.net/
Current Flow Diagram

Amarok

No. 14 / 11

Auxiliary heater control unit, Rear left door control unit, Rear right door control unit, Load area illumination bulb

- J364 Auxiliary heater control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- M53 Load area illumination bulb
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC62 Fuse 62 on fuse holder C
- SC63 Fuse 63 on fuse holder C
- T2h 2-pin connector
- T6a 6-pin connector
- T16h 16-pin connector
- T16i 16-pin connector
- T28 28-pin connector, near A-pillar, grey
- T28c 28-pin connector
- B317 Positive connection 3 (30a) in main wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

- Only right-hand drive models
- *2 Only models with air conditioning system/ Climatronic
- *3 Only models with Climatronic
- *4 Only models with auxiliary coolant heater (supplementary heater)
- *5 Only models with air conditioning system
- *6 Only models with no air conditioning system/Climatronic
- *7 Only models with no auxiliary coolant heater
- *8 Only models with petrol engine

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

https://www.automotive-manuals.net/
Left headlight dipped beam bulb, Right headlight dipped beam bulb, Left headlight range control motor, Right headlight range control motor

- E1 Light switch
- E102 Headlight range control regulator
- J374 Terminal 58b relief relay
- M29 Left headlight dipped beam bulb
- M31 Right headlight dipped beam bulb
- SC29 Fuse 29 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T6c 6-pin connector
- T10 10-pin connector
- T10d 10-pin connector
- T10h 10-pin connector, in front centre console, purple
- T17 17-pin connector
- V48 Left headlight range control motor
- V49 Right headlight range control motor

- B476 Connection 12, in main wiring harness
- B486 Connection 22, in main wiring harness
- B487 Connection 23, in main wiring harness

* Only models with headlight range control
*2 Only models with electric interface for external use
*3 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
gi = grey
bl = blue
gp = green
pl = purple
gy = yellow
go = orange
rs = pink
Alarm horn, Differential lock control unit, Engine control unit, Heated rear window

- H12: Alarm horn
- J187: Differential lock control unit
- J519: Onboard supply control unit
- J623: Engine control unit
- SC11: Fuse 11 on fuse holder C
- SC15: Fuse 15 on fuse holder C
- SC23: Fuse 23 on fuse holder C
- SC24: Fuse 24 on fuse holder C
- SC44: Fuse 44 on fuse holder C
- T3i: 3-pin connector
- T18b: 18-pin connector
- T73b: 73-pin connector
- Z1: Heated rear window

B322: Positive connection 8 (30a) in main wiring harness

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

Current Flow Diagram

No. 14 / 13

https://www.automotive-manuals.net/
Steering column combination switch, Control unit in dash panel insert, Transfer box control unit

- E16: Heater/heat output switch
- E595: Steering column combination switch
- J255: Climatronic control unit
- J285: Control unit in dash panel insert
- J301: Air conditioning system control unit
- J646: Transfer box control unit
- SC45: Fuse 45 on fuse holder C
- SC46: Fuse 46 on fuse holder C
- SC64: Fuse 64 on fuse holder C
- T2bp: 2-pin connector
- T4d: 4-pin connector
- T16g: 16-pin connector
- T17a: 17-pin connector, behind glove compartment, black
- T21: 21-pin connector, on relay carrier, blue
- T32: 32-pin connector, blue
- T41: 41-pin connector, grey
- B316: Positive connection 2 (30a) in main wiring harness
- B322: Positive connection 8 (30a) in main wiring harness
- * see applicable current flow diagram for air conditioning
- *2 Only models with Climatic
- *3 see applicable current flow diagram

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

https://www.automotive-manuals.net/
Control unit with display for radio and navigation, Onboard supply control unit, Radio, Fuse 3 on fuse holder C, 10-pin connector

- J503: Control unit with display for radio and navigation
- J519: Onboard supply control unit
- R: Radio
- SC3: Fuse 3 on fuse holder C
- SC7: Fuse 7 on fuse holder C
- SC66: Fuse 66 on fuse holder C
- SC67: Fuse 67 on fuse holder C
- T8a: 8-pin connector, black
- T8c: 8-pin connector, black
- T10h: 10-pin connector, in front centre console, purple
- T21a: 21-pin connector, on relay carrier
- T73a: 73-pin connector
- T73b: 73-pin connector
- B322: Positive connection 8 (30a) in main wiring harness

Connection 1, in radio wiring harness:
- *2: According to equipment
- *3: Only models with electric interface for external use
- *4: Only models with automatic gearbox

- SC3: 10A
- SC66: 30A
- SC67: 30A
- SC7: 5A

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

https://www.automotive-manuals.net/
Washer pump switch (automatic wash/wipe and headlight washer system), TCS and ESP button, Steering column combination switch, Driving program button, Reversing light switch, Left washer jet heater element

- **E44**: Washer pump switch (automatic wash/wipe and headlight washer system)
- **E256**: TCS and ESP button
- **E595**: Steering column combination switch
- **E598**: Driving program button
- **F4**: Reversing light switch
- **J446**: Parking aid control unit
- **SC1**: Fuse 1 on fuse holder C
- **SC2**: Fuse 2 on fuse holder C
- **SC3**: Fuse 3 on fuse holder C
- **T2cj**: 2-pin connector, near window wiper motor, black
- **T6k**: 6-pin connector, black
- **T6l**: 6-pin connector, red
- **T16**: 16-pin connector, brown
- **T18a**: 18-pin connector, near engine control unit, grey
- **T41**: 41-pin connector
- **T42**: 42-pin connector, near handbrake lever, black
- **Z20**: Left washer jet heater element
- **Z21**: Right washer jet heater element

- **A15**: Positive connection (15), in instrument wiring harness
- **A38**: Positive connection 2 (15a) in dash panel wiring harness
- **B450**: Connection 1 (PDC), in main wiring harness
- **B536**: Connection 27, in main wiring harness
- **C72**: Positive connection in heated washer jet wiring harness

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**Legend**

- **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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* see applicable current flow diagram for basic equipment
*2 Only models with manual gearbox
*3 Only models with anti-lock brake system (ABS), traction control system (TCS) and electronic differential lock (EDL) with auxiliary drive (part time)
*4 Only models with parking aid (PDC)
*5 Only models with no automatic gearbox
*6 Only models with no automatic gearbox
*7 Only models with automatic gearbox

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https://www.automotive-manuals.net/
Cruise control system switch, Steering column combination switch, Airbag control unit, Engine control unit, Front passenger side airbag deactivated warning lamp, Heater element for crankcase breather, Fuse 42 on fuse holder C

- **E45** Cruise control system switch
- **E595** Steering column combination switch
- **J234** Airbag control unit
- **J623** Engine control unit
- **K145** Front passenger side airbag deactivated warning lamp
- **N79** Heater element for crankcase breather
- **SC6** Fuse 6 on fuse holder C
- **SC9** Fuse 9 on fuse holder C
- **SC10** Fuse 10 on fuse holder C
- **SC25** Fuse 25 on fuse holder C
- **SC42** Fuse 42 on fuse holder C
- **T6ak** 6-pin connector, white
- **T9** 9-pin connector, on relay carrier, yellow
- **T41** 41-pin connector, grey
- **T50** 50-pin connector, black
- **A2** Positive connection (15), in dash panel wiring harness
- **A15** Positive connection (15), in instrument wiring harness
- **T1** Positive connection 1, in airbag wiring harness
- * Only models with key operated switch to deactivate front passenger airbag
- *2 see applicable current flow diagram for engine
- *3 Only models with cruise control system (CCS)

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Brake light switch, Oil level and oil temperature sender, Control unit in dash panel insert, Transfer box control unit, Control unit for vehicle location system, Normal operation warning lamp in transfer box operating unit

- Brake light switch (F)
- High-pressure sender (G65)
- Air quality sensor (G238)
- Oil level and oil temperature sender (G266)
- Control unit in dash panel insert (J285)
- Transfer box control unit (J646)
- Control unit for vehicle location system (J895)
- Normal operation warning lamp in transfer box operating unit (K181)
- Reduction gearing warning lamp in transfer box operating unit (K182)
- Inter-axle lock-up warning lamp in transfer box operating unit (K183)

3-pin connectors:
- T3f: 3-pin connector, grey
- T3m: 3-pin connector, black
- T3v: 3-pin connector, black
- T4c: 4-pin connector, black
- T6r: 6-pin connector, brown
- T16a: 16-pin connector, brown
- T16o: 16-pin connector
- T21: 21-pin connector, on relay carrier, blue
- T32: 32-pin connector, blue
- T42: 42-pin connector, near handbrake lever, black

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Tiptronic switch, Automatic gearbox control unit, Telephone controls control unit, Fuse 70 on fuse holder C, Fuse 71 on fuse holder C, 6-pin connector, 10-pin connector

- **F189** Tiptronic switch
- **J217** Automatic gearbox control unit
- **J738** Telephone controls control unit
- **N376** Ignition key withdrawal lock solenoid
- **SC31** Fuse 31 on fuse holder C
- **SC58** Fuse 58 on fuse holder C
- **SC68** Fuse 68 on fuse holder C
- **SC70** Fuse 70 on fuse holder C
- **SC71** Fuse 71 on fuse holder C
- **T6h** 6-pin connector, in front centre console, black
- **T10h** 10-pin connector, in front centre console, purple
- **T10k** 10-pin connector, in centre console, near handbrake lever, black
- **T14b** 14-pin connector, near battery, black
- **T16q** 16-pin connector, black
- **T18a** 18-pin connector, near engine control unit, grey
- **T54** 54-pin connector

- **A15** Positive connection (15), in instrument wiring harness
- **B320** Positive connection 6 (30a) in main wiring harness
- **U3** Connection 1, in automatic gearbox wiring harness

* Only models with electric interface for external use
*2 Only models with automatic gearbox

Legend:
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Button for left seat heating, Button for right seat heating, Seat heating control unit, 10-pin connector, Cigarette lighter

E653 Button for left seat heating
E654 Button for right seat heating
J882 Seat heating control unit
SC54 Fuse 54 on fuse holder C
SC57 Fuse 57 on fuse holder C
SC69 Fuse 69 on fuse holder C
SC72 Fuse 72 on fuse holder C
T3h 3-pin connector
T6h 6-pin connector, in front centre console, black
T6m 6-pin connector, white
T6o 6-pin connector, blue
T10h 10-pin connector, in front centre console, purple
U1 Cigarette lighter

B431 Connection (seat heating), in main wiring harness
B485 Connection 21, in main wiring harness

* Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Mirror adjustment switch, Electric socket, 12 V socket

E43  Mirror adjustment switch
SC33  Fuse 33 on fuse holder C
SC38  Fuse 38 on fuse holder C
SC52  Fuse 52 on fuse holder C
SC59  Fuse 59 on fuse holder C
T2al  2-pin connector
T3g   3-pin connector
T3p   3-pin connector
T6d   6-pin connector, on relay carrier
T10d  10-pin connector, black
T28a  28-pin connector, on left A-pillar
T42   42-pin connector, near handbrake lever, black
U    Electric socket
U5    12 V socket
U18   12 V socket 2

(B491) Positive connection (75), in interior wiring harness

* Up to May 2011
*2 see applicable current flow diagram for basic equipment
*3 Only models with Climatic
*4 From May 2011

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

Air mass meter, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Fuel pressure regulating valve, Fuel metering valve, Intake manifold flap valve, Continued coolant circulation pump

- G70: Air mass meter
- N75: Charge pressure control solenoid valve
- N80: Activated charcoal filter solenoid valve 1
- N205: Camshaft control valve 1
- N249: Turbocharger air recirculation valve
- N276: Fuel pressure regulating valve
- N290: Fuel metering valve
- N316: Intake manifold flap valve
- SC5: Fuse 5 on fuse holder C
- SC12: Fuse 12 on fuse holder C
- SC14: Fuse 14 on fuse holder C
- T4i: 4-pin connector, black
- T14a: 14-pin connector, front left in engine compartment
- T18: 18-pin connector, near engine control unit, black
- V51: Continued coolant circulation pump

- B571: Connection 38, in main wiring harness
- D106: Connection 4 in engine compartment wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

- ws = white
- sw = black
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- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

https://www.automotive-manuals.net/
**Engine control unit, Lambda probe heater**

- J623 Engine control unit
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC65 Fuse 65 on fuse holder C
- T4f 4-pin connector, front right in engine compartment
- T6q 6-pin connector, front right in engine compartment
- T6t 6-pin connector, front right in engine compartment, black
- T94 94-pin connector
- T94a 94-pin connector
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

**Connectors**

- B568 Connection 35, in main wiring harness
- B571 Connection 38, in main wiring harness
- B573 Connection 40, in main wiring harness
- B613 Connection 41, in main wiring harness

**Notes**

- * Only models with Euro 5 emission standard
- *2 Only models with diesel engine
- *3 Only models with petrol engine

**Color Codes**

- 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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Visit [https://www.automotive-manuals.net/](https://www.automotive-manuals.net/) for more resources.
Fuel pump control unit, Ignition coil 1 with output stage, Charge pressure control solenoid valve, Ignition coil 2 with output stage, Exhaust flap valve, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Exhaust gas recirculation cooler changeover valve

J538 Fuel pump control unit
N70 Ignition coil 1 with output stage
N75 Charge pressure control solenoid valve
N127 Ignition coil 2 with output stage
N220 Exhaust flap valve
N291 Ignition coil 3 with output stage
N292 Ignition coil 4 with output stage
N345 Exhaust gas recirculation cooler changeover valve
SC13 Fuse 13 on fuse holder C
SC37 Fuse 37 on fuse holder C
SC56 Fuse 56 on fuse holder C
T5h 5-pin connector
T18 18-pin connector, near engine control unit, black
T42 42-pin connector, near handbrake lever, black

*B570 Connection 37, in main wiring harness
*B571 Connection 38, in main wiring harness
*D108 Connection 6 in engine compartment wiring harness
* see applicable current flow diagram for engine
*2 Only models with petrol engine

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

https://www.automotive-manuals.net/
Left side light bulb, Right tail light bulb, Right side light bulb, Left tail light bulb, Right number plate light

E1  Light switch  
J519  Onboard supply control unit  
M1  Left side light bulb  
M2  Right tail light bulb  
M3  Right side light bulb  
M4  Left tail light bulb  
SC17  Fuse 17 on fuse holder C  
SC28  Fuse 28 on fuse holder C  
T17  17-pin connector  
T18a  18-pin connector, near engine control unit, grey  
T42  42-pin connector, near handbrake lever, black  
T73a  73-pin connector  
X4  Left number plate light  
X5  Right number plate light  

(B340)  Connection 1 (58d), in main wiring harness  
(B472)  Connection 8, in main wiring harness  
(B473)  Connection 9, in main wiring harness  
(B474)  Connection 10, in main wiring harness  
(N3)  Connection 2, in headlight range control wiring harness  
(W70)  Positive connection 2 (58), in number plate wiring harness  
* Only models with headlight range control  
*2 see applicable current flow diagram for basic equipment  
*3 From November 2011  

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

https://www.automotive-manuals.net/
Light switch, Rear fog light warning lamp, Left fog light bulb, Right fog light bulb, Rear left fog light bulb, Rear right fog light bulb, Left daytime running light bulb, Right daytime running light bulb

- E1 Light switch
- K13 Rear fog light warning lamp
- L22 Left fog light bulb
- L23 Right fog light bulb
- L46 Rear left fog light bulb
- L47 Rear right fog light bulb
- L174 Left daytime running light bulb
- L175 Right daytime running light bulb
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T10 10-pin connector, black
- T10d 10-pin connector, black
- T17 17-pin connector
- T32 32-pin connector, blue
- T42 42-pin connector, near handbrake lever, black
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T10 10-pin connector, black
- T10d 10-pin connector, black
- T17 17-pin connector
- T32 32-pin connector, blue
- T42 42-pin connector, near handbrake lever, black
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T10 10-pin connector, black
- T10d 10-pin connector, black
- T17 17-pin connector
- T32 32-pin connector, blue
- T42 42-pin connector, near handbrake lever, black

* According to equipment
*2 Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Steering column combination switch, Left headlight main beam bulb, Right headlight main beam bulb, Washer pump

- E595  Steering column combination switch
- J285  Control unit in dash panel insert
- J519  Onboard supply control unit
- K    Dash panel insert
- M30  Left headlight main beam bulb
- M32  Right headlight main beam bulb
- SC18 Fuse 18 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- T8f  8-pin connector, black
- T10  10-pin connector, black
- T10d 10-pin connector, black
- T32  32-pin connector, blue
- T41  41-pin connector
- T73b 73-pin connector
- V5   Washer pump

- B475 Connection 11, in main wiring harness
- B477 Connection 13, in main wiring harness
- B478 Connection 14, in main wiring harness
- B480 Connection 16, in main wiring harness

* Only models with no electric interface

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

https://www.automotive-manuals.net/
Amarok

Current Flow Diagram

No. 14 / 28

Trailer detector control unit, Diagnostic connection

- **J345** Trailer detector control unit
- **J519** Onboard supply control unit
- **SC39** Fuse 39 on fuse holder C
- **SC40** Fuse 40 on fuse holder C
- **SC41** Fuse 41 on fuse holder C
- **SC60** Fuse 60 on fuse holder C
- **SC61** Fuse 61 on fuse holder C
- **T12** 12-pin connector, red
- **T16** 16-pin connector, black
- **T73b** 73-pin connector
- **U31** Diagnostic connection, near driver side A-pillar
- **A146** Connection (convenience CAN bus, high), in dash panel wiring harness
- **A147** Connection (convenience CAN bus, low), in dash panel wiring harness
- **B481** Connection 17, in main wiring harness

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

https://www.automotive-manuals.net/
Preparation for trailer coupling, (1D7)
From December 2009
Battery, Fuse 6 on fuse holder C, Fuse 6 in fuse holder A, Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C, Diagnostic connection

- A Battery
- J329 Terminal 15 voltage supply relay
- J345 Trailer detector control unit
- J519 Onboard supply control unit
- SC6 Fuse 6 on fuse holder C
- SA6 Fuse 6 in fuse holder A
- SC39 Fuse 39 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- SC61 Fuse 61 on fuse holder C
- T12 12-pin connector, red
- T16 16-pin connector
- T73b 73-pin connector
- U31 Diagnostic connection, near driver side A-pillar

1. Earth strap, battery - body
   - A15 Positive connection (15), in instrument wiring harness
   - A146 Connection (convenience CAN bus, high), in dash panel wiring harness
   - A147 Connection (convenience CAN bus, low), in dash panel wiring harness
   - B481 Connection 17, in main wiring harness

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

https://www.automotive-manuals.net/
Light switch, Dash panel insert, Rear left fog light bulb

- **E1** Light switch
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **L20** Rear fog light bulb
- **L46** Rear left fog light bulb
- **SC16** Fuse 16 on fuse holder C
- **T5i** 5-pin connector
- **T14** 14-pin connector, behind rear bumper on left, black
- **T32** 32-pin connector, blue
- **T42** 42-pin connector, near handbrake lever, black
- **28** Earth point, on bulkhead
- **87** Earth connection 2, in rear wiring harness
- **B522** Connection (FL), in main wiring harness
- * Only models with rear fog lights
- *2 Push-in bridge

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

Current Flow Diagram

No. 15 / 4

https://www.automotive-manuals.net/
Reversing light switch, Left reversing light bulb, Fuse 3 on fuse holder C

- F4  Reversing light switch
- J519  Onboard supply control unit
- M16  Left reversing light bulb
- M17  Right reversing light bulb
- SC3  Fuse 3 on fuse holder C
- T5i  5-pin connector
- T5k  5-pin connector
- T10h  10-pin connector, in front centre console, purple
- T18a  18-pin connector, near engine control unit, grey
- T73b  73-pin connector
- B483  Connection 19, in main wiring harness
- W3  Connection in rear wiring harness
  *
  - Only models with electric interface for external use
  *
  - Only models with no rear fog light

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

https://www.automotive-manuals.net/
Preparation for radio
From December 2009
Battery, Ignition/starter switch, Light switch, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

A  Battery
D  Ignition/starter switch
E1 Light switch
SA2  Fuse 2 in fuse holder A
SC67  Fuse 67 on fuse holder C
T8c  8-pin connector, in slot for radio, centre of dash panel, black
T21  21-pin connector, on relay carrier, blue
T21a 21-pin connector, on relay carrier, brown

1  Earth strap, battery - body

A7  Positive connection (58 D1), in dash panel wiring harness
B322 Positive connection 8 (30a) in main wiring harness
B340 Connection 1 (58d), in main wiring harness
B472 Connection 8, in main wiring harness
B489 Connection 25, in main wiring harness
D78  Positive connection 1 (30a), in engine compartment wiring harness
V28  Connection 1, in radio wiring harness

* From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
gl = orange
rs = pink

https://www.automotive-manuals.net/
Front left loudspeaker, Front right loudspeaker

- R2  Front left loudspeaker
- R3  Front right loudspeaker
- T4s 4-pin connector
- T4w 4-pin connector
- T8b 8-pin connector, in slot for radio, centre of dash panel, brown
- T21a 21-pin connector, on relay carrier, brown
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar
  * Only left-hand drive models
  *2 Only right-hand drive models

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

https://www.automotive-manuals.net/
Seat heating
From December 2009
Battery, Onboard supply control unit, Voltage supply relay 2, Fuse 2 in fuse holder A, Fuse 4 on fuse holder B, Fuse 57 on fuse holder C

A Battery
J519 Onboard supply control unit
J710 Voltage supply relay 2
SA2 Fuse 2 in fuse holder A
SB4 Fuse 4 on fuse holder B
SC57 Fuse 57 on fuse holder C
T73a 73-pin connector
T73b 73-pin connector
1 Earth strap, battery - body
44 Earth point, lower part of left A-pillar
366 Earth connection 1, in main wiring harness
B431 Connection (seat heating), in main wiring harness
B485 Connection 21, in main wiring harness
B490 Connection 26, in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Light switch, Button for left seat heating, Button for right seat heating, Seat heating control unit

- **E1** Light switch
- **E653** Button for left seat heating
- **E654** Button for right seat heating
- **J882** Seat heating control unit
- **T6m** 6-pin connector
- **T6o** 6-pin connector
- **T16b** 16-pin connector

- **372** Earth connection 7, in main wiring harness
- **B431** Connection (seat heating), in main wiring harness
- **B472** Connection 8, in main wiring harness

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

Current Flow Diagram

Amarok

https://www.automotive-manuals.net/
Seat heating control unit, Heated backrest for driver seat,
Heated seat cushion for front passenger seat

- J882  Seat heating control unit
- T2bk  2-pin connector, in seat
- T2bl  2-pin connector, in seat
- T2bt  2-pin connector, under seat on front left
- T2bu  2-pin connector, under seat on front right
- T16b  16-pin connector
- Z6   Heated seat cushion for driver seat
- Z7   Heated backrest for driver seat
- Z8   Heated seat cushion for front passenger seat
- Z9   Heated backrest for front passenger seat

- 43  Earth point, lower part of right A-pillar
- 367 Earth connection 2, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- B431 Connection (seat heating), in main wiring harness

Current Flow Diagram

https://www.automotive-manuals.net/
Passenger compartment heater and ventilation system
From December 2009
Battery, Heater/heat output switch, Current supply relay,
Fuse holder A, Fuse holder C, Fuse 45 on fuse holder C,
Fuse 68 on fuse holder C

A  Battery
D9  Electronic ignition lock
E16  Heater/heat output switch
J16  Current supply relay
SA  Fuse holder A
SA3  Fuse 3 in fuse holder A
SA6  Fuse 6 in fuse holder A
SC  Fuse holder C
SC45  Fuse 45 on fuse holder C
SC68  Fuse 68 on fuse holder C
T5  5-pin connector, black
T16g  16-pin connector, black
T17b  17-pin connector, on left under dash panel, brown
T17c  17-pin connector, on left under dash panel, black

1  Earth strap, battery - body

A12  Positive connection (75a), in dash panel wiring harness
B316  Positive connection 2 (30a) in main wiring harness
B324  Positive connection 10 (30a) in main wiring harness
B330  Positive connection 16 (30a) in main wiring harness
B331  Positive connection 17 (30a) in main wiring harness
B333  Positive connection 19 (30a) in main wiring harness
B346  Connection 1 (75), in main wiring harness
B347  Connection 2 (75), in main wiring harness
B490  Connection 26, in main wiring harness

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

https://www.automotive-manuals.net/
Heater/heat output switch, Fuse holder C, Circulation pump

- E16 Heater/heat output switch
- J271 Main relay
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SC Fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC38 Fuse 38 on fuse holder C
- V55 Circulation pump

- 368 Earth connection 3, in main wiring harness
- 655 Earth point, on left headlight
- B315 Positive connection 1 (30a) in main wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- B350 Positive connection 1 (87a) in main wiring harness
- B353 Positive connection 4 (87a) in main wiring harness
- B564 Connection 31, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine

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

https://www.automotive-manuals.net/
Heater/heat output switch, Fresh air blower series resistor with overheating fuse, Hot air blower

- E16  Heater/heat output switch
- N24  Fresh air blower series resistor with overheating fuse
- T4z  4-pin connector
- T5   5-pin connector, black
- T16g 16-pin connector, black
- T17b 17-pin connector, on left under dash panel, brown
- V4   Hot air blower

- 44  Earth point, lower part of left A-pillar
- 80  Earth connection 1, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 377 Earth connection 12, in main wiring harness
- A56  Positive connection 2 (30), in dash panel wiring harness

Codes:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Light switch, Heater/heat output switch, Fresh air and air recirculation flap control motor

- **E1**: Light switch
- **E16**: Heater/heat output switch
- **T6am**: 6-pin connector
- **T16g**: 16-pin connector, black
- **T17c**: 17-pin connector, on relay carrier, black
- **V154**: Fresh air and air recirculation flap control motor

- **A7**: Positive connection (58 D1), in dash panel wiring harness
- **B472**: Connection 8, in main wiring harness

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gf** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink

**Diagram:**
- Amarok
- Current Flow Diagram
- No. 18 / 5

[Diagram Image: Current Flow Diagram for Amarok Vehicle]
Climatic, right-hand drive
From December 2009
Battery, Current supply relay, Air conditioning system control unit, Fuse 2 in fuse holder A, Fuse 45 on fuse holder C, Fuse 64 on fuse holder C

- **Battery**
- **J16** Current supply relay
- **J301** Air conditioning system control unit
- **SA2** Fuse 2 in fuse holder A
- **SC45** Fuse 45 on fuse holder C
- **SC64** Fuse 64 on fuse holder C
- **T2bp** 2-pin connector
- **T5n** 5-pin connector
- **T17a** 17-pin connector, behind glove compartment
- **T20** 20-pin connector
- **T21** 21-pin connector, on relay carrier

1. Earth strap, battery - body
44. Earth point, lower part of left A-pillar
366. Earth connection 1, in main wiring harness
380. Earth connection 15, in main wiring harness
B315. Positive connection 1 (30a) in main wiring harness
B316. Positive connection 2 (30a) in main wiring harness
B322. Positive connection 8 (30a) in main wiring harness
B490. Connection 26, in main wiring harness
B491. Positive connection (75), in interior wiring harness
D78. Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

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**Legend**
- **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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More information can be found at [https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Electronic ignition lock, High-pressure sender, Air conditioning system control unit, Terminal 15 voltage supply relay, Fuse 42 on fuse holder C

- **D9** Electronic ignition lock
- **G65** High-pressure sender
- **J301** Air conditioning system control unit
- **J329** Terminal 15 voltage supply relay
- **SC42** Fuse 42 on fuse holder C
- **T3v** 3-pin connector
- **T17a** 17-pin connector
- **T20** 20-pin connector
- **T21** 21-pin connector
- **371** Earth connection 6, in main wiring harness
- **379** Earth connection 14, in main wiring harness
- **A2** Positive connection (15), in dash panel wiring harness
- **A15** Positive connection (15), in instrument wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Air conditioning system control unit, Auxiliary coolant heater relay, Diagnostic connection, Circulation pump

- J301: Air conditioning system control unit
- J493: Auxiliary coolant heater relay
- J519: Onboard supply control unit
- SC62: Fuse 62 on fuse holder C
- T16: 16-pin connector
- T17a: 17-pin connector, behind glove compartment
- T20: 20-pin connector
- T21: 21-pin connector, on relay carrier
- T73b: 73-pin connector
- U31: Diagnostic connection, near driver side A-pillar
- V55: Circulation pump

- 43: Earth point, lower part of right A-pillar
- 372: Earth connection 7, in main wiring harness
- A146: Connection (convenience CAN bus, high), in dash panel wiring harness
- A147: Connection (convenience CAN bus, low), in dash panel wiring harness
- L62: Positive connection (30a), in auxiliary heater wiring harness

* Only models with diesel engine
*2 Only models with auxiliary coolant heater
*3 From November 2011

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Air conditioning system control unit, Terminal 30 voltage supply relay, Continued coolant circulation pump

- J301 Air conditioning system control unit
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T18 18-pin connector, near engine control unit
- T94 94-pin connector
- T94a 94-pin connector
- V51 Continued coolant circulation pump
- 368 Earth connection 3, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B564 Connection 31, in main wiring harness

- * Only models with diesel engine
- *2 Only models with petrol engine

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

https://www.automotive-manuals.net/
Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Air conditioner compressor regulating valve, Fresh air blower

**J301**  Air conditioning system control unit  
**N24**  Fresh air blower series resistor with overheating fuse  
**N280**  Air conditioner compressor regulating valve  
**T2bp**  2-pin connector  
**T4ah**  4-pin connector  
**T5n**  5-pin connector  
**T17a**  17-pin connector  
**T20**  20-pin connector  
**T21**  21-pin connector, on relay carrier  
**T42**  42-pin connector, near handbrake lever  
**V2**  Fresh air blower

- **68**  Earth point, on left of rear cross member  
- **80**  Earth connection 1, in dash panel wiring harness  
- **86**  Earth connection 1, in rear wiring harness  
- **196**  Earth connection 3, in rear wiring harness  
- **377**  Earth connection 12, in main wiring harness  
- **L9**  Connection 1, in air conditioning system wiring harness

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

[Amarok Current Flow Diagram](https://www.automotive-manuals.net/)
Potentiometer for temperature flap control motor, Potentiometer for defroster flap control motor, Air conditioning system control unit, Temperature flap control motor, Defroster flap control motor

G92 Potentiometer for temperature flap control motor
G135 Potentiometer for defroster flap control motor
J301 Air conditioning system control unit
T6au 6-pin connector
T6aw 6-pin connector
T16k 16-pin connector
V68 Temperature flap control motor
V107 Defroster flap control motor

189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Potentiometer for footwell vent control motor, Potentiometer for front air distribution control motor, Air conditioning system control unit, Footwell flap control motor, Air distribution flap control motor

G468  Potentiometer for footwell vent control motor
G470  Potentiometer for front air distribution control motor
J301  Air conditioning system control unit
T6av  6-pin connector
T6ax  6-pin connector
T16k  16-pin connector
T20   20-pin connector
V261  Footwell flap control motor
V428  Air distribution flap control motor

189  Earth connection 1, in heater wiring harness
L31  Connection (5V), in air conditioning system wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gf = grey
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Centre vent temperature sender, Footwell vent temperature sender, Evaporator temperature sensor, Air conditioning system control unit, Air recirculation flap control motor

G191 Centre vent temperature sender
G192 Footwell vent temperature sender
G308 Evaporator temperature sensor
J301 Air conditioning system control unit
T6ay 6-pin connector
T16k 16-pin connector
T20 20-pin connector
V113 Air recirculation flap control motor

Earth connection 1, in heater wiring harness
Connection (31, air conditioning system/blower control), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Climatronic, right-hand drive
From December 2009
Battery, Fuse 2 in fuse holder A, Fuse 42 on fuse holder C, Fuse 45 on fuse holder C, Fuse 64 on fuse holder C

- Battery
- D9 Electronic ignition lock
- J329 Terminal 15 voltage supply relay
- SA2 Fuse 2 in fuse holder A
- SC42 Fuse 42 on fuse holder C
- SC45 Fuse 45 on fuse holder C
- SC64 Fuse 64 on fuse holder C

1. Earth strap, battery - body
2. Earth point, lower part of right A-pillar
3. Earth connection 7, in main wiring harness
4. Earth connection 14, in main wiring harness
5. Earth connection 15, in main wiring harness

- Positive connection (15), in instrument wiring harness
- Positive connection 2 (15), in dash panel wiring harness
- Positive connection 1 (30a) in main wiring harness
- Positive connection 2 (30a) in main wiring harness
- Positive connection 8 (30a) in main wiring harness
- Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>ws</td>
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</tr>
<tr>
<td>rs</td>
<td>pink</td>
</tr>
</tbody>
</table>

https://www.automotive-manuals.net/
Climatronic control unit, Fuse 62 on fuse holder C, Circulation pump

- J235 Coolant pump relay
- J255 Climatronic control unit
- J493 Auxiliary coolant heater relay
- SC62 Fuse 62 on fuse holder C
- T16l 16-pin connector
- T17a 17-pin connector, behind glove compartment
- T21 21-pin connector, on relay carrier
- V55 Circulation pump

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- B317 Positive connection 3 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with petrol engine
*2 Only models with diesel engine
*3 From November 2011

Current Flow Diagram
No. 20 / 3

https://www.automotive-manuals.net/
Climatronic control unit, Terminal 30 voltage supply relay, Continued coolant circulation pump

- J255 Climatronic control unit
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T18 18-pin connector, near engine control unit
- T94 94-pin connector
- T94a 94-pin connector
- V51 Continued coolant circulation pump

- 368 Earth connection 3, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B564 Connection 31, in main wiring harness

* Only models with petrol engine
*2 Only models with diesel engine

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Climatronic control unit, Air conditioner compressor regulating valve, Diagnostic connection

- J255 Climatronic control unit
- J519 Onboard supply control unit
- N280 Air conditioner compressor regulating valve
- T16 16-pin connector
- T17a 17-pin connector, behind glove compartment
- T20a 20-pin connector
- T21 21-pin connector, on relay carrier
- T42 42-pin connector, near handbrake lever
- T73b 73-pin connector
- U31 Diagnostic connection, near driver side A-pillar

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness

- A146 Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 Connection (convenience CAN bus, low), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Sender for front Bitron blower regulation, Climatronic control unit, Fresh air blower

- **G462**: Sender for front Bitron blower regulation
- **J255**: Climatronic control unit
- **T2aaz**: 2-pin connector
- **T2bp**: 2-pin connector
- **T4ak**: 4-pin connector
- **T16l**: 16-pin connector
- **T16m**: 16-pin connector
- **T17a**: 17-pin connector, behind glove compartment
- **T20a**: 20-pin connector
- **T21**: 21-pin connector, on relay carrier
- **V2**: Fresh air blower

- **80**: Earth connection 1, in dash panel wiring harness
- **377**: Earth connection 12, in main wiring harness
- **L21**: Connection 1 (30), in Climatronic operating unit wiring harness

**Legend**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
High-pressure sender, Potentiometer for defroster flap control motor, Air quality sensor, Climatronic control unit, Defroster flap control motor

- **G65** High-pressure sender
- **G135** Potentiometer for defroster flap control motor
- **G238** Air quality sensor, near window wiper motor
- **J255** Climatronic control unit
- **T3f** 3-pin connector
- **T3v** 3-pin connector
- **T6bd** 6-pin connector
- **T16i** 16-pin connector
- **T16m** 16-pin connector
- **T17a** 17-pin connector, behind glove compartment
- **T20a** 20-pin connector
- **T21** 21-pin connector, on relay carrier
- **V107** Defroster flap control motor

- **189** Earth connection 1, in heater wiring harness
- **371** Earth connection 6, in main wiring harness
- **A2** Positive connection (15), in dash panel wiring harness
- **L31** Connection (5V), in air conditioning system wiring harness

* From November 2011
Potentiometer for left temperature flap control motor,
Potentiometer for footwell vent control motor, Climatronic control unit, Left temperature flap control motor, Footwell flap control motor

G220  Potentiometer for left temperature flap control motor
G468  Potentiometer for footwell vent control motor
J255  Climatronic control unit
T6be  6-pin connector
T6bf  6-pin connector
T16l  16-pin connector
T16m  16-pin connector
V158  Left temperature flap control motor
V261  Footwell flap control motor

189  Earth connection 1, in heater wiring harness
L31  Connection (5V), in air conditioning system wiring harness

Current Flow Diagram

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

https://www.automotive-manuals.net/
Potentiometer for right temperature flap control motor,
Potentiometer for front air distribution control motor,
Climatronic control unit, Right temperature flap control
motor, Air distribution flap control motor

G221  Potentiometer for right temperature flap control motor
G470  Potentiometer for front air distribution control motor
J255  Climatronic control unit
T6bb  6-pin connector
T6bc  6-pin connector
T16l  16-pin connector
T16m  16-pin connector
V159  Right temperature flap control motor
V428  Air distribution flap control motor

Earth connection 1, in heater wiring harness
Connection (5V), in air conditioning system wiring harness
Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Potentiometer for fresh air/recirculated air, air flow flap control motor, Climatronic control unit, Fresh air and air recirculation flap control motor

- **G261** Left footwell vent temperature sender
- **G262** Right footwell vent temperature sender
- **G308** Evaporator temperature sensor
- **G644** Potentiometer for fresh air/recirculated air, air flow flap control motor
- **J255** Climatronic control unit
- **T6ba** 6-pin connector
- **T16l** 16-pin connector
- **T16m** 16-pin connector
- **V154** Fresh air and air recirculation flap control motor

**Legend:**
- **L31** Connection (5V), in air conditioning system wiring harness
- **A69** Connection (31, air conditioning system/blower control), in dash panel wiring harness
- **G261** Left footwell vent temperature sender
- **G262** Right footwell vent temperature sender
- **G308** Evaporator temperature sensor
- **G644** Potentiometer for fresh air/recirculated air, air flow flap control motor
- **J255** Climatronic control unit

**Connections:**
- **189** Earth connection 1, in heater wiring harness
- **A69** Connection (31, air conditioning system/blower control), in dash panel wiring harness
- **L31** Connection (5V), in air conditioning system wiring harness

Current Flow Diagram
No. 20 / 10

[Diagram of wiring connections and labels]

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

[Additional notes and connections]

https://www.automotive-manuals.net/
Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Climatronic control unit

G107  Sunlight penetration photosensor, in centre of dash panel
G150  Left vent temperature sender
G151  Right vent temperature sender
J255  Climatronic control unit
T4ai  4-pin connector
T20a  20-pin connector

Connection (31, air conditioning system/blower control), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Interface for external use
From December 2009
Battery, Electronic ignition lock, Fuse 2 in fuse holder A, Fuse 3 in fuse holder A, Fuse 70 on fuse holder C, Fuse 71 on fuse holder C

- **A**: Battery
- **D9**: Electronic ignition lock
- **J329**: Terminal 15 voltage supply relay, on relay carrier
- **J701**: Voltage supply relay 1
- **SA2**: Fuse 2 in fuse holder A
- **SA3**: Fuse 3 in fuse holder A
- **SC70**: Fuse 70 on fuse holder C
- **SC71**: Fuse 71 on fuse holder C

**T0h**: 6-pin connector, in front centre console, grey

**T10h**: 10-pin connector, in left footwell, near centre console, purple

- **1**: Earth strap, battery - body
- **366**: Earth connection 1, in main wiring harness
- **A15**: Positive connection (15), in instrument wiring harness
- **A104**: Positive connection 2 (15), in dash panel wiring harness
- **B315**: Positive connection 1 (30a) in main wiring harness
- **B489**: Connection 25, in main wiring harness
- **D78**: Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

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**Current Flow Diagram**

**No. 21 / 2**

https://www.automotive-manuals.net/
Earth point, lower part of left A-pillar
Earth connection 1, in main wiring harness
Earth connection 7, in main wiring harness
Earth connection 14, in main wiring harness
Earth connection 15, in main wiring harness
* From November 2011

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

https://www.automotive-manuals.net/
Starter motor relay, Onboard supply control unit, Voltage supply relay 2, Fuse 7 on fuse holder C, Fuse 69 on fuse holder C, Fuse 72 on fuse holder C

- B Starter
- J53 Starter motor relay, on relay carrier
- J519 Onboard supply control unit
- J710 Voltage supply relay 2, on relay carrier
- SC7 Fuse 7 on fuse holder C
- SC69 Fuse 69 on fuse holder C
- SC72 Fuse 72 on fuse holder C
- T6h 6-pin connector, in front centre console, grey
- T10h 10-pin connector, in front centre console, purple
- T18 18-pin connector, near engine control unit, black
- T18a 18-pin connector, near engine control unit, grey
- T73b 73-pin connector

- A57 Positive connection 3 (30), in dash panel wiring harness
- B479 Connection 21, in main wiring harness
- B485 Connection 15, in main wiring harness
- B490 Connection 26, in main wiring harness
- X78 Connection 1, in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness

* Only models with diesel engine
*2 Only models with no start/stop system
*3 Only models with petrol engine
*4 From November 2011

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

https://www.automotive-manuals.net/
Onboard supply control unit, Left side light bulb, Left tail light bulb, Front left turn signal bulb, Rear left turn signal bulb, Front right turn signal bulb, Rear right turn signal bulb, Left turn signal repeater bulb, Right turn signal repeater bulb

- J519 Onboard supply control unit
- M1 Left side light bulb
- M4 Left tail light bulb
- M5 Front left turn signal bulb
- M6 Rear left turn signal bulb
- M7 Front right turn signal bulb
- M8 Rear right turn signal bulb
- M18 Left turn signal repeater bulb
- M19 Right turn signal repeater bulb
- T3e 3-pin connector, in rear right of engine compartment, black
- T5i 5-pin connector
- T5k 5-pin connector
- T8f 8-pin connector, in rear left of engine compartment, black
- T10 10-pin connector
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T10d 10-pin connector
- T10h 10-pin connector, in left footwell, near centre console, purple
- T42 42-pin connector, near handbrake lever, black
- T73a 73-pin connector
- T73b 73-pin connector
- B469 Connection 5, in main wiring harness
- B470 Connection 6, in main wiring harness
- B474 Connection 10, in main wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Onboard supply control unit, Left fog light bulb, Right fog light bulb, Right reversing light bulb, Left headlight dipped beam bulb, Fuse 29 on fuse holder C, Fuse 53 on fuse holder C, Left headlight range control motor

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- M17 Right reversing light bulb
- M29 Left headlight dipped beam bulb
- SC29 Fuse 29 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T5k 5-pin connector
- T10d 10-pin connector, black
- T10h 10-pin connector, in left footwell, near centre console, purple
- T18a 18-pin connector, near engine control unit, grey
- T73a 73-pin connector
- T73b 73-pin connector
- V48 Left headlight range control motor
- B483 Connection 19, in main wiring harness
- B484 Connection 20, in main wiring harness
- B486 Connection 22, in main wiring harness
- W3 Connection in rear wiring harness

* Only models with fog lights
*2 Only models with no start/stop system
*3 Only models with manual gearbox
*4 Only models with start/stop system

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

https://www.automotive-manuals.net/
Headlight range control regulator, Steering column combination switch, Brake light switch, Onboard supply control unit, Engine control unit, Right headlight dipped beam bulb, Fuse 55 on fuse holder C, Right headlight range control motor

E102 Headlight range control regulator
E595 Steering column combination switch
F Brake light switch
J519 Onboard supply control unit
J623 Engine control unit
M31 Right headlight dipped beam bulb
SC55 Fuse 55 on fuse holder C
T6c 6-pin connector, black
T6h 6-pin connector, in front centre console, grey
T10 10-pin connector
T10b 10-pin connector, in left footwell, near centre console, yellow
T10d 10-pin connector, black
T10h 10-pin connector, in left footwell, near centre console, purple
T41 41-pin connector
T73a 73-pin connector
T73b 73-pin connector
V49 Right headlight range control motor

(B482 Connection 18, in main wiring harness
(B487 Connection 23, in main wiring harness
(B572 Connection 39, in main wiring harness
(X130 Connection 3, in optional equipment wiring harness
(X131 Connection 4, in optional equipment wiring harness

* see applicable current flow diagram for engine
*2 Only models with no start/stop system
*3 Only models with start/stop system

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

For more information, visit https://www.automotive-manuals.net/
Light switch, Onboard supply control unit, Right headlight main beam bulb, Fuse 32 on fuse holder C

- **E1** Light switch
- **J519** Onboard supply control unit
- **M32** Right headlight main beam bulb
- **SC32** Fuse 32 on fuse holder C
- **T10b** 10-pin connector, in left footwell, near centre console, yellow
- **T10d** 10-pin connector
- **T10h** 10-pin connector, in left footwell, near centre console, purple
- **T10j** 10-pin connector
- **T17** 17-pin connector
- **340** Earth connection 2, in injection system wiring harness
- **B141** Positive connection 1 (56a), in interior wiring harness
- **B472** Connection 8, in main wiring harness
- **B477** Connection 13, in main wiring harness

* Only models with no start/stop system
*2 Only models with start/stop system
*3 From November 2011

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

https://www.automotive-manuals.net/
Parking brake contact switch, Control unit in dash panel insert, Onboard supply control unit, Dash panel insert, Left headlight main beam bulb, Radio, Fuse 30 on fuse holder C

- F321 Parking brake contact switch
- G21 Speedometer
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- K1 Main beam warning lamp
- K139 Handbrake warning lamp
- M30 Left headlight main beam bulb
- R Radio
- SC30 Fuse 30 on fuse holder C
- T10 10-pin connector
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T10h 10-pin connector, in left footwell, near centre console, purple
- T21a 21-pin connector, on relay carrier, brown
- T32 32-pin connector, blue
- T73a 73-pin connector

- A49 Connection 1, in dash panel wiring harness
- B141 Positive connection 1 (56a), in interior wiring harness
- B468 Connection 4, in main wiring harness
- B478 Connection 14, in main wiring harness

- Speed signal
- *2 Only models with no start/stop system
- *3 Only models with radio
- *4 Only models with start/stop system

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

https://www.automotive-manuals.net/
2.0l diesel engine, CDBA

From December 2009
Battery, Starter, Starter motor relay

- **A** Battery
- **B** Starter
- **D** Ignition/starter switch
- **J53** Starter motor relay
- **T10b** 10-pin connector, in left footwell, near centre console, yellow
- **T18a** 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
2. Earth point, lower part of left A-pillar
3.66 Earth connection 1, in main wiring harness

**J53** Positive connection 3 (30), in dash panel wiring harness

**B479** Connection 15, in main wiring harness

**X78** Connection 1, in optional equipment wiring harness

**X79** Connection 2, in optional equipment wiring harness

* Only models with electric interface for external use

*2 From November 2011

Legend:
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Alternator with voltage regulator, Fuel pump relay, Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B, Fuse 5 in fuse holder A

- CX1 Alternator with voltage regulator
- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay, on relay carrier
- J493 Auxiliary coolant heater relay
- SA1 Fuse 1 in fuse holder A
- SB2 Fuse 2 on fuse holder B
- SA2 Fuse 2 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T2bc 2-pin connector
- T5e 5-pin connector
- T18 18-pin connector, near engine control unit, black
- V55 Circulation pump
- B564 Connection 31, in main wiring harness
- B569 Connection 36, in main wiring harness

* see applicable current flow diagram for fuse assignment
*2 Only models with Climatronic
*3 Only for countries with hot climate

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Main relay, Heater element for crankcase breather, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 25 on fuse holder C

J271 Main relay, on relay carrier
J329 Terminal 15 voltage supply relay
N79 Heater element for crankcase breather
SC10 Fuse 10 on fuse holder C
SC15 Fuse 15 on fuse holder C
SC23 Fuse 23 on fuse holder C
SC25 Fuse 25 on fuse holder C

Earth connection 4, in main wiring harness
Earth point, on right headlight
Positive connection (15), in instrument wiring harness
Positive connection 1 (30a) in main wiring harness
Positive connection 8 (30a) in main wiring harness
Positive connection 1 (30a), in engine compartment wiring harness

* Only models with crankcase breather heater element
*2 see applicable current flow diagram for fuse assignment

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

https://www.automotive-manuals.net/
Fuse 5 on fuse holder C, Fuse 12 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C, Fuse 65 on fuse holder C

- SC5: Fuse 5 on fuse holder C
- SC12: Fuse 12 on fuse holder C
- SC13: Fuse 13 on fuse holder C
- SC14: Fuse 14 on fuse holder C
- SC35: Fuse 35 on fuse holder C
- SC36: Fuse 36 on fuse holder C
- SC65: Fuse 65 on fuse holder C

*B571* Connection 38, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

J179  Automatic glow period control unit
J623  Engine control unit
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Lambda probe, Engine control unit

- **G39** Lambda probe
- **J623** Engine control unit
- **T6t** 6-pin connector, front right in engine compartment, black
- **T94a** 94-pin connector, black
- **Z19** Lambda probe heater

* Only models with Euro 5 emission standard

<table>
<thead>
<tr>
<th>Color</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>white</td>
<td>ws</td>
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<td>black</td>
<td>sw</td>
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<td>orange</td>
<td>or</td>
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<tr>
<td>pink</td>
<td>rs</td>
</tr>
</tbody>
</table>

Current Flow Diagram

No. 22 / 7

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83  Radiator outlet coolant temperature sender
- G235  Exhaust gas temperature sender 1
- G495  Exhaust gas temperature sender 3
- G648  Exhaust gas temperature sender 4
- J623  Engine control unit
- T2q  2-pin connector, in front right wheel housing, black
- T2r  2-pin connector, in front right wheel housing, orange
- T2s  2-pin connector, in front right wheel housing, brown
- T94a  94-pin connector, black
- B566  Connection 33, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve

J623 Engine control unit
N75 Charge pressure control solenoid valve
N345 Exhaust gas recirculation cooler changeover valve
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black

B568 Connection 35, in main wiring harness
B570 Connection 37, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit

- Air mass meter (G70)
- Accelerator position sender (G79)
- Accelerator position sender 2 (G185)
- Engine control unit (J623)

Pin Connectors:
- 4-pin connector, black (T4i)
- 6-pin connector (T6g)
- 94-pin connector, black (T94a)

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

Current Flow Diagram

No. 22 / 10

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

- G31 Charge pressure sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- J623 Engine control unit
- T3d 3-pin connector, black
- T4h 4-pin connector
- T4k 4-pin connector, black
- T18a 18-pin connector, near engine control unit, grey
- T94a 94-pin connector, black
- B565 Connection 32, in main wiring harness
- B567 Connection 34, in main wiring harness
- * Only models with Euro 3 emission standard

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

Current Flow Diagram
No. 22 / 11

https://www.automotive-manuals.net/
Brake light switch, Engine control unit

- F  Brake light switch
- J104  ABS control unit
- J623  Engine control unit
- SC42  Fuse 42 on fuse holder C
- T4c  4-pin connector
- T42  42-pin connector, near handbrake lever, black
- T94a  94-pin connector, black

- 371  Earth connection 6, in main wiring harness
- 372  Earth connection 7, in main wiring harness
- 375  Earth connection 10, in main wiring harness
- 380  Earth connection 15, in main wiring harness
- A2  Positive connection (15), in dash panel wiring harness
- B482  Connection 18, in main wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit
N30   Injector, cylinder 1
N31   Injector, cylinder 2
N32   Injector, cylinder 3
N33   Injector, cylinder 4
T60   60-pin connector

ws = white
sw = black
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gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G247 Fuel pressure sender
- J623  Engine control unit
- N18  Exhaust gas recirculation valve
- T3q  3-pin connector
- T3r  3-pin connector, on front of engine, black
- T3s  3-pin connector
- T6ao  6-pin connector
- T60  60-pin connector

- D101  Connection 1 in engine compartment wiring harness
- D103  Connection 3 in engine compartment wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Current Flow Diagram

Throttle valve potentiometer, Fuel temperature sender, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Intake manifold flap motor

- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T3u 3-pin connector
- T5m 5-pin connector
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector
- V157 Intake manifold flap motor

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Cruise control system switch, Steering column combination switch, Coolant temperature sender, Onboard supply control unit, Engine control unit

- **E45**: Cruise control system switch
- **E595**: Steering column combination switch
- **F36**: Clutch pedal switch
- **G62**: Coolant temperature sender
- **J519**: Onboard supply control unit
- **J623**: Engine control unit
- **T16**: 16-pin connector, black
- **T41**: 41-pin connector
- **T60**: 60-pin connector
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector
- **T94a**: 94-pin connector
- **U31**: Diagnostic connection

- **B383**: Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390**: Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B441**: Connection (CCS), in main wiring harness

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

For more information, visit https://www.automotive-manuals.net/
Oil level and oil temperature sender, Dash panel insert

- **F1**: Oil pressure switch
- **G**: Fuel gauge sender
- **G1**: Fuel gauge
- **G3**: Coolant temperature gauge
- **G5**: Rev. counter
- **G6**: Fuel system pressurisation pump
- **G21**: Speedometer
- **G266**: Oil level and oil temperaturesender
- **H3**: Buzzer and gong
- **J285**: Control unit in dash panel insert
- **K**: Dash panel insert
- **K2**: Alternator warning lamp
- **K3**: Oil pressure warning lamp
- **K28**: Coolant temperature and coolant shortage warning lamp
- **K29**: Glow period warning lamp
- **K31**: Cruise control system warning lamp
- **K38**: Oil level warning lamp
- **K105**: Reserve fuel warning lamp
- **K132**: Electronic power control fault lamp
- **T3m**: 3-pin connector
- **T5g**: 5-pin connector
- **T18**: 18-pin connector, near engine control unit, black
- **T32**: 32-pin connector
- **T42**: 42-pin connector, near handbrake lever, black

**Earth Points**
- **68**: Earth point, on left of rear cross member
- **86**: Earth connection 1, in rear wiring harness
- **196**: Earth connection 3, in rear wiring harness
- **374**: Earth connection 9, in main wiring harness

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

*https://www.automotive-manuals.net/*
2.0l diesel engine, CDCA
From December 2009
Battery, Starter, Starter motor relay

- A Battery
- B Starter
- D Ignition/starter switch
- J53 Starter motor relay
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T18a 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
44. Earth point, lower part of left A-pillar
366. Earth connection 1, in main wiring harness
A57. Positive connection 3 (30), in dash panel wiring harness
B479. Connection 15, in main wiring harness
TV1. Wiring junction
X78. Connection 1, in optional equipment wiring harness
X79. Connection 2, in optional equipment wiring harness

* Only models with electric interface for external use
*2 From November 2011

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Alternator with voltage regulator, Fuel pump relay, Terminal 30 voltage supply relay, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A

CX1 Alternator with voltage regulator
J17 Fuel pump relay
J317 Terminal 30 voltage supply relay, on relay carrier
J493 Auxiliary coolant heater relay
SA1 Fuse 1 in fuse holder A
SA2 Fuse 2 in fuse holder A
SB2 Fuse 2 on fuse holder B
SA4 Fuse 4 in fuse holder A
SA5 Fuse 5 in fuse holder A
T18 18-pin connector, near engine control unit, black
V55 Circulation pump

* see applicable current flow diagram for fuse assignment
*2 Only models with no air conditioning system/Climatronic
*3 see applicable current flow diagram
*4 Only for countries with hot climate
Main relay, Heater element for crankcase breather, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 25 on fuse holder C

- J271 Main relay, on relay carrier
- J329 Terminal 15 voltage supply relay
- N79 Heater element for crankcase breather
- SC10 Fuse 10 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC25 Fuse 25 on fuse holder C

369 Earth connection 4, in main wiring harness
656 Earth point, on right headlight
A15 Positive connection (15), in instrument wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B322 Positive connection 8 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

* Only models with crankcase breather heater element
*2 see applicable current flow diagram for fuse assignment

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

https://www.automotive-manuals.net/
Fuse 5 on fuse holder C, Fuse 12 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C, Fuse 65 on fuse holder C

SC5  Fuse 5 on fuse holder C
SC12 Fuse 12 on fuse holder C
SC13 Fuse 13 on fuse holder C
SC14 Fuse 14 on fuse holder C
SC35 Fuse 35 on fuse holder C
SC36 Fuse 36 on fuse holder C
SC65 Fuse 65 on fuse holder C

(B571) Connection 38, in main wiring harness

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
gn = green
gn = green
gr = grey
li = purple
g = yellow
or = orange
rs = pink
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J179: Automatic glow period control unit, near left headlight
- J623: Engine control unit, near battery
- Q10: Glow plug 1
- Q11: Glow plug 2
- Q12: Glow plug 3
- Q13: Glow plug 4
- T18: 18-pin connector, near engine control unit, black
- T94a: 94-pin connector, black

Current Flow Diagram

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit

G39  Lambda probe
J623  Engine control unit, near battery
T6t  6-pin connector, front right in engine compartment, black
T94a  94-pin connector, black
Z19  Lambda probe heater

* Only models with Euro 5 emission standard
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83  Radiator outlet coolant temperature sender
- G235  Exhaust gas temperature sender 1
- G495  Exhaust gas temperature sender 3
- G648  Exhaust gas temperature sender 4
- J623  Engine control unit, near battery
- T2q  2-pin connector, in front right wheel housing, black
- T2r  2-pin connector, in front right wheel housing, orange
- T2s  2-pin connector, in front right wheel housing, brown
- T94a  94-pin connector, black

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve

J623  Engine control unit, near battery
N75  Charge pressure control solenoid valve
N220  Exhaust flap valve
N345  Exhaust gas recirculation cooler changeover valve
T18  18-pin connector, near engine control unit, black
T60  60-pin connector, black
T94a  94-pin connector, black
B568  Connection 35, in main wiring harness
B570  Connection 37, in main wiring harness
*  Only models with Euro 5 emission standard

**Current Flow Diagram**

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

https://www.automotive-manuals.net/
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit

- G70  Air mass meter
- G79  Accelerator position sender
- G185 Accelerator position sender 2
- J623  Engine control unit, near battery
- T4i  4-pin connector
- T6ag 6-pin connector
- T94a 94-pin connector, black

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

Current Flow Diagram

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender,
Intake manifold pressure sender, Exhaust gas pressure
sensor 1, Engine control unit

- G31 Charge pressure sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- J623 Engine control unit, near battery
- T3d 3-pin connector
- T4h 4-pin connector
- T4k 4-pin connector
- T18a 18-pin connector, near engine control unit, grey
- T94a 94-pin connector, black

- B565 Connection 32, in main wiring harness
- B567 Connection 34, in main wiring harness

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Brake light switch, Engine control unit

F  Brake light switch
J104  ABS control unit
J623  Engine control unit, near battery
SC42  Fuse 42 on fuse holder C
T4c  4-pin connector
T42  42-pin connector, near handbrake lever, black
T94a  94-pin connector, black
42  Earth point, next to steering column
371  Earth connection 6, in main wiring harness
372  Earth connection 7, in main wiring harness
375  Earth connection 10, in main wiring harness
380  Earth connection 15, in main wiring harness
A2  Positive connection (15), in dash panel wiring harness
B482  Connection 18, in main wiring harness
*  From November 2011

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

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Radiator fan, Coolant circulation pump

J293 Radiator fan control unit
J623 Engine control unit, near battery
T3w 3-pin connector
T4k 4-pin connector, on radiator cowling, black
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black
V7 Radiator fan
V50 Coolant circulation pump

375 Earth connection 10, in main wiring harness
655 Earth point, on left headlight
B613 Connection 41, in main wiring harness
* Only models with Euro 5 emission standard
*2 Only for countries with hot climate

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

https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit, near battery
N30   Injector, cylinder 1
N31   Injector, cylinder 2
N32   Injector, cylinder 3
N33   Injector, cylinder 4
T60   60-pin connector, black

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

https://www.automotive-manuals.net/
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

G40 Hall sender
G212 Exhaust gas recirculation potentiometer
G247 Fuel pressure sender
G447 Charge pressure sender 2, on turbocharger air recirculation valve
J623 Engine control unit, near battery
N18 Exhaust gas recirculation valve
T3r 3-pin connector, on front of engine, black
T3s 3-pin connector
T3t 3-pin connector
T6ao 6-pin connector
T60 60-pin connector, black

- D101 Connection 1 in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Engine speed sender, Throttle valve potentiometer, Fuel temperature sender, Regulating flap potentiometer, Throttle valve module, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Intake manifold flap motor

- **G28** Engine speed sender
- **G69** Throttle valve potentiometer
- **G81** Fuel temperature sender
- **G584** Regulating flap potentiometer
- **J338** Throttle valve module
- **J623** Engine control unit, near battery
- **N276** Fuel pressure regulating valve
- **N290** Fuel metering valve
- **T3q** 3-pin connector
- **T3u** 3-pin connector
- **T5m** 5-pin connector
- **T18** 18-pin connector, near engine control unit, black
- **T60** 60-pin connector, black
- **V157** Intake manifold flap motor

- **D101** Connection 1 in engine compartment wiring harness
- **D103** Connection 3 in engine compartment wiring harness
- **D106** Connection 4 in engine compartment wiring harness

**Legend:**
- **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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https://www.automotive-manuals.net/
Cruise control system switch, Clutch pedal switch, Coolant temperature sender, Onboard supply control unit, Engine control unit

- **E45** Cruise control system switch
- **E595** Steering column combination switch
- **F36** Clutch pedal switch
- **G62** Coolant temperature sender
- **J519** Onboard supply control unit
- **J623** Engine control unit, near battery
- **T16** 16-pin connector, black
- **T41** 41-pin connector
- **T60** 60-pin connector, black
- **T73a** 73-pin connector
- **T73b** 73-pin connector
- **T94a** 94-pin connector, black
- **U31** Diagnostic connection

- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B441** Connection (CCS), in main wiring harness

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)

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

[Current Flow Diagram](https://www.automotive-manuals.net/)
Preparation for trailer coupling, (LOR)
From September 2009
Battery, Trailer detector control unit, Fuse 6 on fuse holder C, Fuse 6 in fuse holder A, Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C, Diagnostic connection

- **Battery**
  - J329 Terminal 15 voltage supply relay
  - J345 Trailer detector control unit, in centre under dash panel
  - J519 Onboard supply control unit, near driver side A-pillar
- **Fuse Holders**
  - SC6 Fuse 6 on fuse holder C
  - SA6 Fuse 6 in fuse holder A
  - SC39 Fuse 39 on fuse holder C
  - SC40 Fuse 40 on fuse holder C
  - SC41 Fuse 41 on fuse holder C
  - SC60 Fuse 60 on fuse holder C
  - SC61 Fuse 61 on fuse holder C
  - SC60 Fuse 60 on fuse holder C
- **Connectors**
  - T12 12-pin connector
  - T16 16-pin connector
  - T73b 73-pin connector
  - U31 Diagnostic connection, near driver side A-pillar
- **Diagnostic Connection**
  - U31 Diagnostic connection, near driver side A-pillar
- **Earth Strap**
  - A15 Positive connection (15), in instrument wiring harness
- **Connections**
  - A146 Connection (convenience CAN bus, high), in dash panel wiring harness
  - A147 Connection (convenience CAN bus, low), in dash panel wiring harness
  - B481 Connection 17, in main wiring harness

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

**Links**
- [Automotive Manuals](https://www.automotive-manuals.net/)
Brake light switch, Trailer detector control unit

- F  Brake light switch
- J345  Trailer detector control unit, in centre under dash panel
- T12  12-pin connector
- T14  14-pin connector, behind rear bumper on left
- T14b  14-pin connector
- T16n  16-pin connector
- T42  42-pin connector, near handbrake lever

- 44  Earth point, lower part of left A-pillar
- 372  Earth connection 7, in main wiring harness
- B482  Connection 18, in main wiring harness

* Only models with stop/start system

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Reversing light switch, Left tail light, Fuse 3 on fuse holder C

- **F4** Reversing light switch
- **J519** Onboard supply control unit
- **MX3** Left tail light
- **MX4** Right tail light
- **SC3** Fuse 3 on fuse holder C
- **T5i** 5-pin connector
- **T5k** 5-pin connector
- **T10h** 10-pin connector
- **T14** 14-pin connector, behind rear bumper on left
- **T18a** 18-pin connector, near engine control unit
- **T73b** 73-pin connector

- **28** Earth point, on bulkhead
- **87** Earth connection 2, in rear wiring harness
- **B483** Connection 19, in main wiring harness
- **W3** Connection in rear wiring harness

* Only models with electric interface for external use
*2 see applicable current flow diagram for fuse assignment
*3 Only models with no rear fog light

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

https://www.automotive-manuals.net/
Light switch, Dash panel insert, Rear fog light warning lamp, Right tail light

- **E1** Light switch
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K13** Rear fog light warning lamp
- **MX4** Right tail light
- **SC16** Fuse 16 on fuse holder C
- **T5k** 5-pin connector
- **T14** 14-pin connector, behind rear bumper on left
- **T42** 42-pin connector, near handbrake lever

*B522* Connection (FL), in main wiring harness

* Only models with rear fog light

**Legend**

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

*Current Flow Diagram*
Vehicle location system, (B1D)
From December 2009
Control unit in dash panel insert, Control unit for vehicle location system, Dash panel insert, Fuse 22 on fuse holder C, Diagnostic connection

J285  Control unit in dash panel insert
J895  Control unit for vehicle location system, near radio
K    Dash panel insert
SC8  Fuse 8 on fuse holder C
SC22  Fuse 22 on fuse holder C
SC42  Fuse 42 on fuse holder C
T16   16-pin connector
T16o  16-pin connector, brown
T17h  17-pin connector, on left under dash panel, blue
T21   21-pin connector, on relay carrier, blue
U31   Diagnostic connection

A2    Positive connection (15), in dash panel wiring harness
(B318) Positive connection 4 (30a) in main wiring harness
(B625) Connection (K-diagnosis wire), in main wiring harness

* Country specific
*2 From January 2013

**Diagram Details**

- **SC8**: Fuse 8 on fuse holder C
- **SC22**: Fuse 22 on fuse holder C
- **SC42**: Fuse 42 on fuse holder C
- **J285**: Control unit in dash panel insert
- **J895**: Control unit for vehicle location system, near radio
- **K**: Dash panel insert
- **T16**: 16-pin connector
- **T16o**: 16-pin connector, brown
- **T17h**: 17-pin connector, on left under dash panel, blue
- **T21**: 21-pin connector, on relay carrier, blue
- **U31**: Diagnostic connection
- **A2**: Positive connection (15), in dash panel wiring harness
- **B318**: Positive connection 4 (30a) in main wiring harness
- **B625**: Connection (K-diagnosis wire), in main wiring harness
- **B318**: Positive connection 4 (30a) in main wiring harness
- **B625**: Connection (K-diagnosis wire), in main wiring harness

**Legend**

- **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

https://www.automotive-manuals.net/
Control unit for vehicle location system, GPS aerial, GSM aerial

- J895 Control unit for vehicle location system, near radio
- R50 GPS aerial
- R205 GSM aerial
- T1v Single connector, purple
- T1w Single connector, purple
- T1x Single connector, in left door, near exterior mirror
- T1y Single connector, in left door, near exterior mirror
- T16o 16-pin connector, brown
- T17h 17-pin connector, on left under dash panel, blue
- T21 21-pin connector, on relay carrier, blue
- T28a 28-pin connector, on left A-pillar

- 43 Earth point, lower part of right A-pillar
- 367 Earth connection 2, in main wiring harness
- 373 Earth connection 8, in main wiring harness

- * Country specific
- *2 From June 2012

Legend:
- 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

Control unit for vehicle location system, GPS aerial, GSM aerial

J895 Control unit for vehicle location system, near radio
R50 GPS aerial
R205 GSM aerial
T1v Single connector, purple
T1w Single connector, purple
T1x Single connector, in left door, near exterior mirror
T1y Single connector, in left door, near exterior mirror
T16o 16-pin connector, brown
T17h 17-pin connector, on left under dash panel, blue
T21 21-pin connector, on relay carrier, blue
T28a 28-pin connector, on left A-pillar

43 Earth point, lower part of right A-pillar
367 Earth connection 2, in main wiring harness
373 Earth connection 8, in main wiring harness

* Country specific
*2 From June 2012

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

https://www.automotive-manuals.net/
Basic equipment, right-hand drive
From December 2009
Battery, Starter

- A Battery
- B Starter
- J53 Starter motor relay
- SA2 Fuse 2 in fuse holder A
- T10b 10-pin connector, in left footwell, near centre console
- T18a 18-pin connector, near engine control unit

1. Earth strap, battery - body

- B322 Positive connection 8 (30a) in main wiring harness
- B479 Connection 15, in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness
- X78 Connection 1, in optional equipment wiring harness
- X79 Connection 2, in optional equipment wiring harness

* Only models with electric interface for external use
Terminal 58b relief relay, Voltage supply relay 2

J374  Terminal 58b relief relay
J710  Voltage supply relay 2
T6d  6-pin connector, on relay carrier

44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
B322  Positive connection 8 (30a) in main wiring harness
B476  Connection 12, in main wiring harness

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

https://www.automotive-manuals.net/
Alternator with voltage regulator, Terminal 15 voltage supply relay, Onboard supply control unit

CX1 Alternator with voltage regulator
J329 Terminal 15 voltage supply relay
J519 Onboard supply control unit
J623 Engine control unit
SA1 Fuse 1 in fuse holder A
T18 18-pin connector, near engine control unit
T73a 73-pin connector
T73b 73-pin connector
T94a 94-pin connector

* see applicable current flow diagram for engine
*2 Only models with diesel engines
*3 Only models with petrol engine

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, Onboard supply control unit

- **D** Ignition/starter switch
- **J16** Current supply relay
- **J519** Onboard supply control unit
- **SC8** Fuse 8 on fuse holder C
- **T6f** 6-pin connector
- **T73a** 73-pin connector
- **T73b** 73-pin connector

- **A57** Positive connection 3 (30), in dash panel wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B318** Positive connection 4 (30a) in main wiring harness
- **B489** Connection 25, in main wiring harness
- **B490** Connection 26, in main wiring harness

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay

- F36 Clutch pedal switch
- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay
- J493 Auxiliary coolant heater relay
- J623 Engine control unit
- SB2 Fuse 2 on fuse holder B
- SC14 Fuse 14 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T18 18-pin connector, near engine control unit
- T94 94-pin connector
- T94a 94-pin connector
- V51 Continued coolant circulation pump
- V55 Circulation pump

Connection 31, in main wiring harness

* Only models with diesel engines
*2 Only models with air conditioning system/Climatronic
*3 Only models with no air conditioning system/Climatronic
*4 Only models with petrol engine
*5 Only models with no Climatronic

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

https://www.automotive-manuals.net/
Light switch, Button illumination bulb, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C

- **E1**: Light switch
- **L76**: Button illumination bulb
- **SC26**: Fuse 26 on fuse holder C
- **SC27**: Fuse 27 on fuse holder C
- **T17**: 17-pin connector

**A83**: Connection (daytime running lights), in dash panel wiring harness

* Only models with daytime running lights

Legend:
- **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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https://www.automotive-manuals.net/
Light switch, Fuse 16 on fuse holder C, Fuse 53 on fuse holder C

- E1: Light switch
- SC16: Fuse 16 on fuse holder C
- SC53: Fuse 53 on fuse holder C
- T17: 17-pin connector
- A15: Positive connection (15), in instrument wiring harness
- B485: Connection 21, in main wiring harness
- B522: Connection (FL), in main wiring harness

* Only models with fog lights

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

https://www.automotive-manuals.net/
Light switch, Switch and instrument illumination regulator, Headlight range control regulator, Fuse 28 on fuse holder C

- E1 Light switch
- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- SC17 Fuse 17 on fuse holder C
- SC28 Fuse 28 on fuse holder C
- T6c 6-pin connector
- T17 17-pin connector
- B472 Connection 8, in main wiring harness
- N2 Connection 1, in headlight range control wiring harness
- N3 Connection 2, in headlight range control wiring harness

* Only models with dimmable instrument illumination
*2 Only models with headlight range control
*3 Only models with Highline equipment
*4 Only models with no dimmable instrument illumination

---

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

https://www.automotive-manuals.net/
Front left headlight

- M1 Left side light bulb
- MX1 Front left headlight
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- SC29 Fuse 29 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- T10 10-pin connector
- V48 Left headlight range control motor

- B455 Connection (HRC), in main wiring harness
- B474 Connection 10, in main wiring harness
- B478 Connection 14, in main wiring harness
- B486 Connection 22, in main wiring harness

* Only models with headlight range control

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li = purple
ge = yellow
or = orange
rs = pink
Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- L22: Left fog light bulb
- L174: Left daytime running light bulb
- MX1: Front left headlight
- M5: Front left turn signal bulb
- M18: Left turn signal repeater bulb
- T3e: 3-pin connector, in rear left of engine compartment
- T10: 10-pin connector
- 368: Earth connection 3, in main wiring harness
- 655: Earth point, on left headlight, on left on bulkhead
- B469: Connection 5, in main wiring harness
- B484: Connection 20, in main wiring harness

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

https://www.automotive-manuals.net/
Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- L23: Right fog light bulb
- L175: Right daytime running light bulb
- MX2: Front right headlight
- M3: Right side light bulb
- M7: Front right turn signal bulb
- M19: Right turn signal repeater bulb
- MX2: Front right headlight
- T8f: 8-pin connector, in rear right of engine compartment
- T10: 10-pin connector
- T10d: 10-pin connector
- 369: Earth connection 4, in main wiring harness
- 656: Earth point, on right headlight, on right on bulkhead
- B470: Connection 6, in main wiring harness
- B473: Connection 9, in main wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Front right headlight, Fuse 32 on fuse holder C, Fuse 55 on fuse holder C

- **MX2**: Front right headlight
- **M31**: Right headlight dipped beam bulb
- **M32**: Right headlight main beam bulb
- **SC32**: Fuse 32 on fuse holder C
- **SC55**: Fuse 55 on fuse holder C
- **T10b**: 10-pin connector, behind dash panel, centre
- **T10d**: 10-pin connector
- **V49**: Right headlight range control motor

- **376**: Earth connection 11, in main wiring harness
- **B477**: Connection 13, in main wiring harness
- **B487**: Connection 23, in main wiring harness

*Only models with electric interface for external use
*2 Only models with headlight range control

---

**Legend**

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- rs = pink

---

https://www.automotive-manuals.net/
Reversing light switch, Left tail light, Fuse 3 on fuse holder C, Left number plate light

- **F4**: Reversing light switch
- **MX3**: Left tail light
- **M4**: Left tail light bulb
- **M6**: Rear left turn signal bulb
- **M9**: Left brake light bulb
- **M16**: Left reversing light bulb
- **SC3**: Fuse 3 on fuse holder C
- **T5i**: 5-pin connector
- **T18a**: 18-pin connector, near engine control unit
- **T42**: 42-pin connector, near handbrake lever
- **X4**: Left number plate light

- **28**: Earth point, on bulkhead
- **68**: Earth point, on left of rear cross member
- **86**: Earth connection 1, in rear wiring harness
- **W1**: Positive connection 1 (54), in rear wiring harness
- **W3**: Connection in rear wiring harness
- **W70**: Positive connection 2 (58), in number plate wiring harness

* see applicable current flow diagram for fuse assignment
*2 Only models with no dimmable instrument illumination
*3 Only models with dimmable instrument illumination

- **W1**: Positive connection 1 (54), in rear wiring harness
- **W3**: Connection in rear wiring harness
- **W70**: Positive connection 2 (58), in number plate wiring harness

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

https://www.automotive-manuals.net/
Right tail light, Right number plate light

- **L47** Rear right fog light bulb
- **M2** Right tail light bulb
- **MX4** Right tail light
- **M8** Rear right turn signal bulb
- **M10** Right brake light bulb
- **M17** Right reversing light bulb
- **T5k** 5-pin connector
- **T42** 42-pin connector, near handbrake lever
- **X5** Right number plate light

- **86** Earth connection 1, in rear wiring harness
- **W70** Positive connection 2 (58), in number plate wiring harness
  - * According to equipment
  - *2 Only models with rear fog lights
  - *3 Only models with no rear fog light

---

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[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Brake light switch

- **F** Brake light switch
- **J623** Engine control unit
- **T4c** 4-pin connector
- **T94** 94-pin connector
- **T94a** 94-pin connector

- **A2** Positive connection (15), in dash panel wiring harness
- **B482** Connection 18, in main wiring harness
- **X130** Connection 3, in optional equipment wiring harness
- **X131** Connection 4, in optional equipment wiring harness

* Contact bridge, only models with diesel engine
*2 Only models with electric interface for external use
*3 Only models with petrol engine

---

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bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- **E481** Load area illumination switch, near radio
- **M25** Additional brake light bulb
- **M53** Load area illumination bulb
- **SC63** Fuse 63 on fuse holder C
- **T6a** 6-pin connector
- **T6al** 6-pin connector
- **T6d** 6-pin connector, on relay carrier

- **A2** Positive connection (15), in dash panel wiring harness
- **B335** Connection 1 (54), in main wiring harness

---

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- **gr** = grey
- **li** = purple
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- **or** = orange
- **rs** = pink

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For more information, visit [https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Steering column combination switch, Steering angle sender, Horn plate

- E595  Steering column combination switch
- F138  Airbag coil connector and return ring with slip ring
- G85  Steering angle sender
- H  Horn plate
- J234  Airbag control unit
- J519  Onboard supply control unit, near driver side A-pillar
- N95  Driver side airbag igniter
- T12b  12-pin connector
- T41  41-pin connector
- T50  50-pin connector
- T73a  73-pin connector
- T73b  73-pin connector

- B316  Positive connection 2 (30a) in main wiring harness
- B383  Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390  Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)

ws = white  sw = black  ro = red  br = brown  gn = green  bl = blue  gr = grey  li = purple  ge = yellow  or = orange  rs = pink
Turn signal switch, Steering column combination switch, Washer pump

- **E**: Windscreen wiper switch
- **E2**: Turn signal switch
- **E19**: Parking light switch
- **E22**: Intermittent wiper switch
- **E44**: Washer pump switch (automatic wash/wipe and headlight washer system)
- **E595**: Steering column combination switch
- **J519**: Onboard supply control unit, near driver side A-pillar
- **SC2**: Fuse 2 on fuse holder C
- **SC18**: Fuse 18 on fuse holder C
- **T6d**: 6-pin connector, on relay carrier
- **T8f**: 8-pin connector, in rear right of engine compartment
- **T41**: 41-pin connector
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector
- **V5**: Washer pump

- **32**: Earth point, on left behind dash panel
- **42**: Earth point, next to steering column
- **371**: Earth connection 6, in main wiring harness

(B480) Connection 16, in main wiring harness

---

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Windscreen wiper switch</td>
</tr>
<tr>
<td>E2</td>
<td>Turn signal switch</td>
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<tr>
<td>E19</td>
<td>Parking light switch</td>
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<tr>
<td>E22</td>
<td>Intermittent wiper switch</td>
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<td>Washer pump switch</td>
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<tr>
<td>E595</td>
<td>Steering column combination switch</td>
</tr>
<tr>
<td>J519</td>
<td>Onboard supply control unit, near driver side A-pillar</td>
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<tr>
<td>SC2</td>
<td>Fuse 2 on fuse holder C</td>
</tr>
<tr>
<td>SC18</td>
<td>Fuse 18 on fuse holder C</td>
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<tr>
<td>T6d</td>
<td>6-pin connector, on relay carrier</td>
</tr>
<tr>
<td>T8f</td>
<td>8-pin connector, in rear right of engine compartment</td>
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<td>41-pin connector</td>
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<td>T73a</td>
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<td>T73b</td>
<td>73-pin connector</td>
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<td>V5</td>
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</thead>
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<tr>
<td>32</td>
<td>Earth point, on left behind dash panel</td>
</tr>
<tr>
<td>42</td>
<td>Earth point, next to steering column</td>
</tr>
<tr>
<td>371</td>
<td>Earth connection 6, in main wiring harness</td>
</tr>
</tbody>
</table>

(B480) Connection 16, in main wiring harness

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ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
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li = yellow  
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or = orange  
rs = pink
**Current Flow Diagram**

Multifunction display call-up button, Cruise control system (CCS) SET button, Steering column combination switch

- **E4** Headlight dipper and flasher switch
- **E45** Cruise control system switch
- **E86** Multifunction display call-up button
- **E109** Multifunction display memory switch
- **E227** Cruise control system (CCS) SET button
- **E595** Steering column combination switch
- **J29** Blocking diode
- **J519** Onboard supply control unit, near driver side A-pillar
- **T1d** Single connector
- **T41** 41-pin connector
- **T73b** 73-pin connector

* Only models with cruise control system (CCS)
*2 Only models with petrol engine
*3 Only models with diesel engines
*4 Only models with multifunction display

---

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https://www.automotive-manuals.net/
Heated rear window button, Light 1 for front centre console background lighting, Fuse 44 on fuse holder C, Heated rear window

E230 Heated rear window button, near radio
J519 Onboard supply control unit, near driver side A-pillar
L193 Light 1 for front centre console background lighting, in centre of dash panel
SC44 Fuse 44 on fuse holder C
T1c Single connector
T1k Single connector
T6ah 6-pin connector
T18a 18-pin connector, near engine control unit
T21a 21-pin connector
T73a 73-pin connector
T73b 73-pin connector
Z1 Heated rear window

110 Earth connection 2, in dash panel wiring harness

B483 Connection 19, in main wiring harness

* Only models with no air conditioning system/Climatronic
*2 Only models with no electric interface
Front interior light, Centre interior light

J519 Onboard supply control unit, near driver side A-pillar
SC21 Fuse 21 on fuse holder C
T3 3-pin connector
T3b 3-pin connector
T3c 3-pin connector
T73a 73-pin connector
W1 Front interior light
W7 Centre interior light

61 Earth point, left C-pillar
370 Earth connection 5, in main wiring harness
A29 Connection (interior light), in dash panel wiring harness
R4 Connection 1, in interior light/door contact switch wiring harness

* Only models with double cab
*2 Only models with Highline equipment
*3 Only models with basic equipment

labels:
ws = white
sw = black
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https://www.automotive-manuals.net/
Current Flow Diagram

No. 26 / 23

Hazard warning lights button, Windscreen wiper motor

E229  Hazard warning lights button, near radio
J400  Wiper motor control unit
J519  Onboard supply control unit, near driver side A-pillar
T4e   4-pin connector
T6ai  6-pin connector
T21a  21-pin connector, on relay carrier
T73a  73-pin connector
T73b  73-pin connector
V     Windscreen wiper motor

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https://www.automotive-manuals.net/
Fuel tank filler flap central locking actuator, Treble horn

F219 Fuel tank filler flap central locking actuator
H2 Treble horn
H7 Bass horn
J519 Onboard supply control unit, near driver side A-pillar
T42 42-pin connector, near handbrake lever
T73a 73-pin connector
T73b 73-pin connector

129 Earth connection, in dual tone horn wiring harness

B214 Connection 1 (central locking), in interior wiring harness
B466 Connection 2, in main wiring harness

* Only models with Highline equipment
*2 Only models with Trendline equipment
*3 Only models with no central locking
*4 Only models with basic equipment

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ro = red
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gn = green
bl = blue
gf = grey
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rs = pink

https://www.automotive-manuals.net/
Dash panel insert, Driver door lock unit, Front passenger door lock unit, Rear left door lock unit, Rear right door lock unit

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit, near driver side A-pillar
- K Dash panel insert
- T6ar 6-pin connector
- T6as 6-pin connector
- T6be 6-pin connector
- T8f 8-pin connector
- T28 28-pin connector, on left B-pillar
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, on right B-pillar
- T32 32-pin connector
- T73a 73-pin connector
- VX21 Driver door lock unit
- VX22 Front passenger door lock unit
- VX23 Rear left door lock unit
- VX24 Rear right door lock unit

- 205 Earth connection, in driver door wiring harness
- 206 Earth connection, in front passenger door wiring harness
- 372 Earth connection 7, in main wiring harness

* Only models with no central locking
*2 Only models with double cab

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https://www.automotive-manuals.net/
Driver side belt switch, Brake fluid level warning contact, Coolant temperature display sender, Ambient temperature sensor, Multifunction indicator, Dash panel insert, Brake fluid level warning lamp

- **E24** Driver side belt switch
- **F34** Brake fluid level warning contact
- **G2** Coolant temperature display sender
- **G17** Ambient temperature sensor
- **J119** Multifunction indicator
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K19** Seat belt warning system warning lamp
- **K28** Coolant temperature and coolant shortage warning lamp
- **K33** Brake fluid level warning lamp
- **K105** Reserve fuel warning lamp
- **T6u** 6-pin connector
- **T32** 32-pin connector

* Earth connection 9, in main wiring harness
* Only models with multifunction display
*2 Only models with no airbag

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<table>
<thead>
<tr>
<th>Symbol</th>
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<tbody>
<tr>
<td>K105</td>
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<tr>
<td>K33</td>
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<td>J285</td>
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<td>J119</td>
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- **rs** = pink

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https://www.automotive-manuals.net/
Fuel pump, Fuel pump control unit, Dash panel insert

G  Fuel gauge sender
G1  Fuel gauge
G23  Fuel pump
H3  Buzzer and gong
J285  Control unit in dash panel insert
J538  Fuel pump control unit
K  Dash panel insert
K2  Alternator warning lamp
K132  Electronic power control fault lamp
SC56  Fuse 56 on fuse holder C
T5g  5-pin connector
T32  32-pin connector
T42  42-pin connector, near handbrake lever
*  Only models with petrol engine
*2  Only models with diesel engines
Current Flow Diagram

Amarok

No. 26 / 28

Immobiliser reader coil, Oil pressure switch, Oil level and oil temperature sender, Dash panel insert, Radio

D2 Immobiliser reader coil, in ignition/starter switch
F1 Oil pressure switch
G3 Coolant temperature gauge
G5 Rev. counter
G21 Speedometer
G266 Oil level and oil temperature sender
J285 Control unit in dash panel insert
K Dash panel insert
K3 Oil pressure warning lamp
K29 Glow period warning lamp
K38 Oil level warning lamp
R Radio
T3m 3-pin connector
T8c 8-pin connector
T18 18-pin connector, near engine control unit
T21 21-pin connector, on relay carrier
T32 32-pin connector
T42 42-pin connector, near handbrake lever

B468 Connection 4, in main wiring harness
* see applicable current flow diagram for engine
*2 Only models with no electric interface

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https://www.automotive-manuals.net/
Parking brake contact switch, Dash panel insert, Handbrake warning lamp, Fuse 38 on fuse holder C, Fuse 52 on fuse holder C, Fuse 54 on fuse holder C, Electric socket, Cigarette lighter, 12 V socket, 12 V socket 2

F321 Parking brake contact switch
J285 Control unit in dash panel insert
K Dash panel insert
K31 Cruise control system warning lamp
K139 Handbrake warning lamp
SC38 Fuse 38 on fuse holder C
SC52 Fuse 52 on fuse holder C
SC54 Fuse 54 on fuse holder C
SC59 Fuse 59 on fuse holder C
T6d 6-pin connector, on relay carrier
T21a 21-pin connector, on relay carrier
T32 32-pin connector
T42 42-pin connector, near handbrake lever
U Electric socket
U1 Cigarette lighter
U5 12 V socket
U18 12 V socket 2

43 Earth point, lower part of right A-pillar
367 Earth connection 2, in main wiring harness
373 Earth connection 8, in main wiring harness
A7 Positive connection (58 D1), in dash panel wiring harness
A49 Connection 1, in dash panel wiring harness

* Special equipment
*2 Only models with no electric interface

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gn = green  bl = blue  gr = grey  li = purple
gi = yellow  or = orange  rs = pink
Airbag systems, (L0R)
From December 2009
Driver side belt switch, Key operated switch to deactivate front passenger side airbag, Airbag control unit, Front passenger side airbag deactivated warning lamp

E24  Driver side belt switch
E224 Key operated switch to deactivate front passenger side airbag
J234  Airbag control unit, in front centre console
K145  Front passenger side airbag deactivated warning lamp, near radio
T2bs 2-pin connector, under driver seat, black
T6ak 6-pin connector, white
T6an 6-pin connector, black
T9 9-pin connector, on relay carrier, yellow
T50 50-pin connector

109  Earth connection, in airbag wiring harness

T1  Positive connection 1, in airbag wiring harness

* Only models with key operated switch to deactivate front passenger airbag
*2 Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor
*3 Only models with no side airbag, no front passenger airbag and no key operated switch

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ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
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rs = pink
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit, Driver seat belt tensioner igniter 1

G179 Side airbag crash sensor on driver side, lower part of B-pillar, driver side
G180 Side airbag crash sensor on front passenger side, lower part of B-pillar, front passenger side
G283 Front airbag crash sensor for driver side, behind right headlight
G284 Front airbag crash sensor for front passenger side, behind left headlight
J234 Airbag control unit, in front centre console
N153 Driver seat belt tensioner igniter 1
T2c 2-pin connector, lower part of B-pillar, driver side, yellow
T50 50-pin connector
* Only models with front head-thorax airbag

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al = purple
gl = yellow
or = orange
rs = pink
Current Flow Diagram

Airbag control unit, Front passenger side airbag igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

- **J234** Airbag control unit, in front centre console
- **N131** Front passenger side airbag igniter 1
- **N154** Front passenger seat belt tensioner igniter 1
- **N199** Side airbag igniter on driver side
- **N200** Side airbag igniter on front passenger side
- **T2ae** 2-pin connector, yellow
- **T3k** 3-pin connector, yellow
- **T3l** 3-pin connector, yellow
- **T9** 9-pin connector, on relay carrier, yellow
- **T50** 50-pin connector

- **312** Earth connection 2, in airbag wiring harness
  - * Only models with front head-thorax airbag
  - *2 Only models with front passenger airbag

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gn = green  
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rs = pink
Steering column combination switch, Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Diagnostic connection

- **E595** Steering column combination switch
- **F138** Airbag coil connector and return ring with slip ring
- **G85** Steering angle sender
- **J234** Airbag control unit, in front centre console
- **N95** Driver side airbag igniter
- **T12b** 12-pin connector
- **T16** 16-pin connector, black
- **T41** 41-pin connector
- **T50** 50-pin connector
- **U31** Diagnostic connection, near driver side A-pillar

- **A2** Positive connection (15), in dash panel wiring harness
- **B316** Positive connection 2 (30a) in main wiring harness

*Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)*

---

**Legend:**
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Steering column combination switch, Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Diagnostic connection

- **E595** Steering column combination switch
- **F138** Airbag coil connector and return ring with slip ring
- **G85** Steering angle sender
- **J234** Airbag control unit, in front centre console
- **N95** Driver side airbag igniter
- **T12b** 12-pin connector
- **T16** 16-pin connector, black
- **T41** 41-pin connector
- **T50** 50-pin connector
- **U31** Diagnostic connection, near driver side A-pillar

- **A2** Positive connection (15), in dash panel wiring harness
- **B316** Positive connection 2 (30a) in main wiring harness

*Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)*

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

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Steering column combination switch, Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Diagnostic connection

- **E595** Steering column combination switch
- **F138** Airbag coil connector and return ring with slip ring
- **G85** Steering angle sender
- **J234** Airbag control unit, in front centre console
- **N95** Driver side airbag igniter
- **T12b** 12-pin connector
- **T16** 16-pin connector, black
- **T41** 41-pin connector
- **T50** 50-pin connector
- **U31** Diagnostic connection, near driver side A-pillar

- **A2** Positive connection (15), in dash panel wiring harness
- **B316** Positive connection 2 (30a) in main wiring harness

*Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)*

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**Legend:**
- 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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https://www.automotive-manuals.net/
Airbag control unit

- **J234** Airbag control unit, in front centre console
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K75** Airbag warning lamp
- **K163** Belt switch warning lamp
- **T32** 32-pin connector
- **T50** 50-pin connector

**B383** Connection 1 (powertrain CAN bus, high), in main wiring harness

**B390** Connection 1 (powertrain CAN bus, low), in main wiring harness

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**Legend**

- **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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https://www.automotive-manuals.net/
Radio navigation system, (LOR), (8AY), (7UC), (7UK)

From December 2009
Battery, Control unit with display for radio and navigation, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

- J503 Battery
- SA2 Fuse 2 in fuse holder A
- SC67 Fuse 67 on fuse holder C
- T8a 8-pin connector
- T21a 21-pin connector, on relay carrier, brown
- T28a 28-pin connector, on left A-pillar

1. Earth strap, battery - body
2. Earth point, lower part of left A-pillar
3. Earth connection 12, in main wiring harness
4. Earth point in front left door
5. B322 Positive connection 8 (30a) in main wiring harness
6. Positive connection 1 (30a), in engine compartment wiring harness
7. V28 Connection 1, in radio wiring harness

* From November 2011

Colors:
- **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 for radio and navigation, Front left loudspeaker, Front right loudspeaker, Telephone microphone, Diagnostic connection

J503 Control unit with display for radio and navigation, in intake channel
J519 Onboard supply control unit
R2 Front left loudspeaker
R3 Front right loudspeaker
R38 Telephone microphone
T4s 4-pin connector
T4w 4-pin connector
T8 8-pin connector
T8a 8-pin connector
T12d 12-pin connector
T16 16-pin connector
T21 21-pin connector, on relay carrier
T21a 21-pin connector, on relay carrier, brown
T28a 28-pin connector, on left A-pillar
T28b 28-pin connector, on right A-pillar
T73b 73-pin connector
U31 Diagnostic connection

A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with 2 loudspeakers (8RD)
*2 Only models with mobile telephone/ preparation for mobile telephone

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

https://www.automotive-manuals.net/
Current Flow Diagram

Control unit with display for radio and navigation, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- **J503** Control unit with display for radio and navigation, in intake channel
- **R4** Rear left loudspeaker
- **R20** Front left treble loudspeaker
- **R21** Front left bass loudspeaker
- **T2m** 2-pin connector
- **T4ad** 4-pin connector
- **T4s** 4-pin connector
- **T8** 8-pin connector
- **T21a** 21-pin connector, on relay carrier, brown
- **T28** 28-pin connector, on left B-pillar
- **T28a** 28-pin connector, on left A-pillar
- **V9** Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- **V10** Connection (negative, front right loudspeaker), in loudspeaker wiring harness

- * Only models with equipment (6-passive loudspeakers)
- *2 Only models with 4 or 6 loudspeakers

**Legend**

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

https://www.automotive-manuals.net/
Control unit with display for radio and navigation, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

J503 Control unit with display for radio and navigation, in intake channel
R5 Rear right loudspeaker
R22 Front right treble loudspeaker
R23 Front right bass loudspeaker
T2m 2-pin connector
T4af 4-pin connector
T4w 4-pin connector
T8 8-pin connector
T21a 21-pin connector, on relay carrier, brown
T28b 28-pin connector, on right A-pillar
T28c 28-pin connector, on right B-pillar

V7 Connection (positive, front left loudspeaker), in loudspeaker wiring harness
V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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 for radio and navigation, Aerial, GPS aerial

J503  Control unit with display for radio and navigation, in intake channel
R11   Aerial
R50   GPS aerial
T2au  2-pin connector, in left door, near exterior mirror
T2aw  2-pin connector, blue
T2ax  2-pin connector, in right door, near exterior mirror
T2ay  2-pin connector
T4x   4-pin connector
T28a  28-pin connector, on left A-pillar
T28b  28-pin connector, on right A-pillar

43    Earth point, lower part of right A-pillar
735   Earth point in front right door
*    Aerial connection for radio
*2   Aerial connection for GPS

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

https://www.automotive-manuals.net/
Radio system, (8AN), (8AG), (LOR)
From December 2009
Battery, Light switch, Radio, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

A Battery
E1 Light switch
R Radio
SA2 Fuse 2 in fuse holder A
SC67 Fuse 67 on fuse holder C
T8c 8-pin connector
T21a 21-pin connector, on relay carrier

1 Earth strap, battery - body
A7 Positive connection (58 D1), in dash panel wiring harness
B322 Positive connection 8 (30a) in main wiring harness
B472 Connection 8, in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness
V28 Connection 1, in radio wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gle = yellow
or = orange
rs = pink

current flow diagram 07.2012
https://www.automotive-manuals.net/
Dash panel insert, Radio, Front left loudspeaker, Front right loudspeaker, Diagnostic connection

- **D** Ignition/starter switch
- **G21** Speedometer
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **R** Radio
- **R2** Front left loudspeaker
- **R3** Front right loudspeaker
- **T4s** 4-pin connector
- **T4w** 4-pin connector
- **T8b** 8-pin connector
- **T8c** 8-pin connector
- **T21** 21-pin connector, on relay carrier
- **T21a** 21-pin connector, on relay carrier
- **T28a** 28-pin connector, on left A-pillar
- **T28b** 28-pin connector, on right A-pillar
- **T32** 32-pin connector
- **U31** Diagnostic connection

**B468** Connection 4, in main wiring harness

**B489** Connection 25, in main wiring harness

**B625** Connection (K-diagnosis wire), in main wiring harness

* Only models with 2 loudspeakers (8RD)
*2 Only models with no electric interface

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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
Radio, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- Radio
- R4 Rear left loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T2o 2-pin connector
- T4ad 4-pin connector
- T4s 4-pin connector
- T8b 8-pin connector
- T8c 8-pin connector
- T21a 21-pin connector
- T28 28-pin connector, on left B-pillar
- T28a 28-pin connector, on left A-pillar
- \( \text{V9} \) Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- \( \text{V10} \) Connection (negative, front right loudspeaker), in loudspeaker wiring harness
- * Only models with equipment (6-passive loudspeakers)
- *2 Only models with 4 or 6 loudspeakers

\[ \begin{align*}
\text{ws} & = \text{white} \\
\text{sw} & = \text{black} \\
\text{ro} & = \text{red} \\
\text{br} & = \text{brown} \\
\text{gn} & = \text{green} \\
\text{bl} & = \text{blue} \\
\text{gr} & = \text{grey} \\
\text{li} & = \text{purple} \\
\text{ge} & = \text{yellow} \\
\text{or} & = \text{orange} \\
\text{rs} & = \text{pink} \\
\end{align*} \]
Radio, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- Radio
- R5 Rear right loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T2m 2-pin connector
- T4af 4-pin connector
- T4w 4-pin connector
- T8b 8-pin connector
- T21a 21-pin connector, on relay carrier
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, on right B-pillar

**V7**
Connection (positive, front left loudspeaker), in loudspeaker wiring harness

**V8**
Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

R = Radio
R11 = Aerial
R24 = Aerial amplifier
T2au = 2-pin connector, in left door, near exterior mirror
T2bo = 2-pin connector
T28a = 28-pin connector, on left A-pillar

44 Earth point, lower part of left A-pillar
377 Earth connection 12, in main wiring harness
734 Earth point in front left door
* From November 2011

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

https://www.automotive-manuals.net/
Parking aid (PDC)
From November 2010
Parking aid control unit

A Battery
D Ignition/starter switch
F4 Reversing light switch
J329 Terminal 15 voltage supply relay
J446 Parking aid control unit, lower part of A-pillar, front passenger side
SC3 Fuse 3 on fuse holder C
SC42 Fuse 42 on fuse holder C
T16p 16-pin connector, brown
T18a 18-pin connector, near engine control unit, grey

1 Earth strap, battery - body
A2 Positive connection (15), in dash panel wiring harness
A15 Positive connection (15), in instrument wiring harness
A104 Positive connection 2 (15), in dash panel wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B450 Connection 1 (PDC), in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

* Only models with no automatic gearbox
*2 Only models with automatic gearbox
*3 From November 2011

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

https://www.automotive-manuals.net/
Parking aid button, Parking aid control unit

- **E1** Light switch
- **E266** Parking aid button
- **J446** Parking aid control unit, lower part of A-pillar, front passenger side
- **J519** Onboard supply control unit
- **T6ap** 6-pin connector
- **T6d** 6-pin connector, on relay carrier, grey
- **T16p** 16-pin connector, brown
- **T17** 17-pin connector
- **T21** 21-pin connector, on relay carrier, blue
- **T21a** 21-pin connector, on relay carrier, brown
- **T73b** 73-pin connector

- **A7** Positive connection (58 D1), in dash panel wiring harness
- **A195** Connection 1 (PDC), in dash panel insert wiring harness
- **B340** Connection 1 (58d), in main wiring harness
- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B472** Connection 8, in main wiring harness

*From November 2011*

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**Legend:**
- **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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https://www.automotive-manuals.net/
Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit

G203 Rear left parking aid sender
G204 Rear centre left parking aid sender
G205 Rear centre right parking aid sender
G206 Rear right parking aid sender
J446 Parking aid control unit, lower part of A-pillar, front passenger side

T6bi 6-pin connector, under rear bumper on left, black
T12c 12-pin connector, brown
T42 42-pin connector, near handbrake lever, black

(A196) Connection 2 (PDC), in dash panel insert wiring harness
(B451) Connection 2 (PDC), in main wiring harness

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

Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control unit

- **H15**: Rear parking aid warning buzzer, behind right C-pillar trim
- **H22**: Front parking aid warning buzzer
- **J446**: Parking aid control unit, lower part of A-pillar, front passenger side
- **T12a**: 12-pin connector, brown
- **T16p**: 16-pin connector, brown

- **44**: Earth point, lower part of left A-pillar
- **366**: Earth connection 1, in main wiring harness
- **372**: Earth connection 7, in main wiring harness
- **378**: Earth connection 13, in main wiring harness
- **379**: Earth connection 14, in main wiring harness
- **380**: Earth connection 15, in main wiring harness

* Only models with parking aid, front/rear

*2 From November 2011
Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Parking aid control unit

- G252 Front right parking aid sender
- G253 Front centre right parking aid sender
- G254 Front centre left parking aid sender
- G255 Front left parking aid sender
- J446 Parking aid control unit, lower part of A-pillar, front passenger side

- T6bh 6-pin connector, behind front bumper on left, black
- T12a 12-pin connector, brown
- A197 Connection 3 (PDC), in dash panel insert wiring harness
- B452 Connection 3 (PDC), in main wiring harness

* Only models with parking aid, front/rear

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

Current Flow Diagram

No. 30 / 6

Amarok

https://www.automotive-manuals.net/
Radio system , (8UA),(8AE),(8DD)
From December 2009
Battery, Radio, Fuse 2 in fuse holder A, Fuse 67 on fuse holder C

- A Battery
- R Radio
- SA2 Fuse 2 in fuse holder A
- SC67 Fuse 67 on fuse holder C
- T8a 8-pin connector, black
- T21a 21-pin connector, on relay carrier, brown

1. Earth strap, battery - body
44. Earth point, lower part of left A-pillar
377. Earth connection 12, in main wiring harness
B322. Positive connection 8 (30a) in main wiring harness
D78. Positive connection 1 (30a), in engine compartment wiring harness
V28. Connection 1, in radio wiring harness

* From November 2011

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ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gf = grey
bl = blue
gy = yellow
or = orange
rs = pink
Radio, Front left loudspeaker, Front right loudspeaker, Telephone microphone, Diagnostic connection

J519 Onboard supply control unit
R Radio
R2 Front left loudspeaker
R3 Front right loudspeaker
R38 Telephone microphone
T4s 4-pin connector
T4w 4-pin connector
T8 8-pin connector, brown
T8a 8-pin connector, black
T12d 12-pin connector, green
T16 16-pin connector, black
T21 21-pin connector, on relay carrier, blue
T21a 21-pin connector, on relay carrier, brown
T28a 28-pin connector
T28b 28-pin connector, on right A-pillar
T73b 73-pin connector, colourless
U31 Diagnostic connection, near driver side A-pillar
A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with 2 loudspeakers (8RD)
*2 Only models with mobile telephone/ preparation for mobile telephone

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Radio, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

R  Radio
R5  Rear right loudspeaker
R22 Front right treble loudspeaker
R23 Front right bass loudspeaker
T2o 2-pin connector, black
T4af 4-pin connector
T4w 4-pin connector, black
T8 8-pin connector, brown
T21a 21-pin connector, on relay carrier, brown
T28b 28-pin connector
T28c 28-pin connector

V9  Connection (positive, front right loudspeaker), in loudspeaker wiring harness
V10  Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
g = yellow
or = orange
rs = pink
Radio, Aerial, Aerial amplifier

- **R**: Radio
- **R11**: Aerial
- **R24**: Aerial amplifier
- **T2au**: 2-pin connector, in left door, near exterior mirror
- **T2aw**: 2-pin connector, in right door, near exterior mirror
- **T2az**: 2-pin connector, colourless
- **T4x**: 4-pin connector, colourless
- **T28a**: 28-pin connector
- **T28b**: 28-pin connector, on right A-pillar

43 Earth point, lower part of right A-pillar
734 Earth point in front left door
735 Earth point in front right door

* Only models with radio RCD 310/RCD 510
*2 Only models with radio and amplifier
*3 From November 2011

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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

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https://www.automotive-manuals.net/
2.0l petrol engine, CFPA
From December 2010
Battery, Starter, Starter motor relay

A  Battery
B  Starter
D  Ignition/starter switch
J53 Starter motor relay
T18 18-pin connector, near engine control unit, black

1  Earth strap, battery - body
44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
372  Earth connection 7, in main wiring harness
380  Earth connection 15, in main wiring harness
A57 Positive connection 3 (30), in dash panel wiring harness
B479 Connection 15, in main wiring harness

* Only models with Climatronic
*2 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Alternator with voltage regulator, Fuel pump relay, Terminal 30 voltage supply relay, Fuse 1 in fuse holder A, Fuse 4 in fuse holder A, Fuse 14 on fuse holder C, Continued coolant circulation pump

CX1  Alternator with voltage regulator
J17  Fuel pump relay
J317 Terminal 30 voltage supply relay
J519 Onboard supply control unit
SA1  Fuse 1 in fuse holder A
SA2  Fuse 2 in fuse holder A
SA4  Fuse 4 in fuse holder A
SC14 Fuse 14 on fuse holder C
T18  18-pin connector, near engine control unit, black
T73b  73-pin connector
V51  Continued coolant circulation pump

*B564  Connection 31, in main wiring harness

* Only for countries with hot climate
*2 Only models with no Climatronic
*3 see applicable current flow diagram for automatic air conditioning system
*4 Only models with air conditioning system/ Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gc = yellow
or = orange
rs = pink
Main relay, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C

- J271 Main relay
- J329 Terminal 15 voltage supply relay
- SC10 Fuse 10 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC62 Fuse 62 on fuse holder C

- A15 Positive connection (15), in instrument wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B317 Positive connection 3 (30a) in main wiring harness
- B322 Positive connection 8 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* see applicable current flow diagram for fuse assignment

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Engine control unit, Fuse 12 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

- J623: Engine control unit
- SC12: Fuse 12 on fuse holder C
- SC35: Fuse 35 on fuse holder C
- SC36: Fuse 36 on fuse holder C
- SC37: Fuse 37 on fuse holder C
- SC56: Fuse 56 on fuse holder C
- T94: 94-pin connector, black

**B571**: Connection 38, in main wiring harness

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

https://www.automotive-manuals.net/
Cruise control system switch, Engine control unit

- E45 Cruise control system switch
- J623 Engine control unit
- SC34 Fuse 34 on fuse holder C
- T18 18-pin connector, near engine control unit, black
- T41 41-pin connector
- T94 94-pin connector, black
- 375 Earth connection 10, in main wiring harness
- B441 Connection (CCS), in main wiring harness
- B571 Connection 38, in main wiring harness
- B613 Connection 41, in main wiring harness
- B627 Positive connection 3 (15), in main wiring harness
- D109 Connection 7 in engine compartment wiring harness

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)
Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plug 1, Spark plug 2, Spark plug 3, Spark plug 4

J623  Engine control unit
N70  Ignition coil 1 with output stage
N127  Ignition coil 2 with output stage
N291  Ignition coil 3 with output stage
N292  Ignition coil 4 with output stage
P  Spark plug connector
Q23  Spark plug 1
Q24  Spark plug 2
Q25  Spark plug 3
Q26  Spark plug 4
T18  18-pin connector, near engine control unit, black
T60  60-pin connector, black

15  Earth point, on cylinder head

D108  Connection 6 in engine compartment wiring harness
D109  Connection 7 in engine compartment wiring harness
D110  Connection 8 in engine compartment wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T8  8-pin connector, brown
T60  60-pin connector, black

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

https://www.automotive-manuals.net/
Lambda probe, Lambda probe after catalytic converter, Engine control unit

- **G39** Lambda probe
- **G130** Lambda probe after catalytic converter
- **J623** Engine control unit
- **T4f** 4-pin connector, in rear right of engine compartment, black
- **T6q** 6-pin connector, front right in engine compartment, black
- **T94** 94-pin connector, black
- **Z19** Lambda probe heater
- **Z29** Lambda probe 1 heater after catalytic converter
- **B573** Connection 40, in main wiring harness

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

Current Flow Diagram

No. 32 / 9

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Accelerator position sender, Throttle valve drive for electric throttle, Throttle valve module, Engine control unit

- G79  Accelerator position sender
- G185 Accelerator position sender 2
- G186 Throttle valve drive for electric throttle
- G187 Throttle valve drive angle sender 1 for electric throttle
- G188 Throttle valve drive angle sender 2 for electric throttle
- J338 Throttle valve module
- J623 Engine control unit
- T6a  6-pin connector
- T6g  6-pin connector
- T60  60-pin connector, black
- T94  94-pin connector, black

**Legend:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Engine control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve

- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N316 Intake manifold flap valve
- T14a 14-pin connector, front left in engine compartment, black
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black

(D106) Connection 4 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Engine speed sender, Intake air temperature sender, Knock sensor 1, Coolant temperature sender, Engine control unit

G28  Engine speed sender
G42  Intake air temperature sender
G61  Knock sensor 1
G62  Coolant temperature sender
J623  Engine control unit
T14a  14-pin connector, front left in engine compartment, black
T60  60-pin connector, black
D114  Connection 12 in engine compartment wiring harness

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

Current Flow Diagram

Amarok

https://www.automotive-manuals.net/
Charge pressure sender, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

- **G31** Charge pressure sender
- **G40** Hall sender
- **G247** Fuel pressure sender
- **G336** Intake manifold flap potentiometer
- **J623** Engine control unit

**T14a** 14-pin connector, front left in engine compartment, black
**T60** 60-pin connector, black

- **D111** Connection 9 in engine compartment wiring harness
- **D112** Connection 10 in engine compartment wiring harness
- **D113** Connection 11 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Air mass meter, Intake manifold pressure sender, Engine control unit, Fuel pressure regulating valve

G70 Air mass meter
G71 Intake manifold pressure sender
J623 Engine control unit
N276 Fuel pressure regulating valve
T4g 4-pin connector
TSI 5-pin connector
T60 60-pin connector, black
T94 94-pin connector, black

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

https://www.automotive-manuals.net/
Brake light switch, Clutch pedal switch, ABS control unit, Engine control unit

- F  Brake light switch
- F36  Clutch pedal switch
- J104  ABS control unit
- J519  Onboard supply control unit
- J623  Engine control unit
- M25  Additional brake light bulb
- T4c  4-pin connector
- T6a  6-pin connector
- T42  42-pin connector, black
- T47  47-pin connector
- T73a  73-pin connector
- T73b  73-pin connector
- T94  94-pin connector, black

42  Earth point, next to steering column

371  Earth connection 6, in main wiring harness

A2  Positive connection (15), in dash panel wiring harness

B335  Connection 1 (54), in main wiring harness

B482  Connection 18, in main wiring harness

*  Only models with cruise control system (CCS)
*2  From November 2011

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

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Radiator fan

J293  Radiator fan control unit
J623  Engine control unit
T4f   4-pin connector, in rear right of engine compartment, black
T94   94-pin connector, black
V7    Radiator fan

655  Earth point, on left headlight
*   Only for countries with hot climate
*2  Only models with air conditioning system/ Climatronic

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

https://www.automotive-manuals.net/
Oil pressure switch, Fuel gauge sender, Fuel system pressurisation pump, Fuel pump control unit, Engine control unit, Dash panel insert

- **F1**: Oil pressure switch
- **G**: Fuel gauge sender, on fuel tank
- **G1**: Fuel gauge
- **G3**: Coolant temperature gauge
- **G5**: Rev. counter
- **G6**: Fuel system pressurisation pump
- **G21**: Speedometer
- **H3**: Buzzer and gong
- **J285**: Control unit in dash panel insert
- **J538**: Fuel pump control unit, on fuel tank
- **J623**: Engine control unit
- **K**: Dash panel insert
- **K2**: Alternator warning lamp
- **K3**: Oil pressure warning lamp
- **K28**: Coolant temperature and coolant shortage warning lamp
- **K31**: Cruise control system warning lamp
- **K38**: Oil level warning lamp
- **K105**: Reserve fuel warning lamp
- **K132**: Electronic power control fault lamp
- **T5g**: 5-pin connector
- **T5h**: 5-pin connector, black
- **T18a**: 18-pin connector, near engine control unit, grey
- **T32**: 32-pin connector, blue
- **T42**: 42-pin connector, black
- **T94**: 94-pin connector, black

- **68**: Earth point, on left of rear cross member
- **86**: Earth connection 1, in rear wiring harness
- **374**: Earth connection 9, in main wiring harness

* Only for countries with hot climate

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

https://www.automotive-manuals.net/
Auxiliary coolant heater, CFPA
From December 2010
Battery, Engine control unit, Fuse 2 in fuse holder A, Fuse 15 on fuse holder C, Fuse 36 on fuse holder C, Fresh air blower

- Battery
- E16 Heater/heat output switch
- J255 Climatronic control unit
- J301 Air conditioning system control unit
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SA2 Fuse 2 in fuse holder A
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- SC64 Fuse 64 on fuse holder C
- T2bp 2-pin connector, black
- T17a 17-pin connector, behind glove compartment
- T94 94-pin connector
- V2 Fresh air blower

1. Earth strap, battery - body
80. Earth connection 1, in dash panel wiring harness
377. Earth connection 12, in main wiring harness
B322. Positive connection 8 (30a) in main wiring harness
B491. Positive connection (75), in interior wiring harness
B564. Connection 31, in main wiring harness
T2bp. Positive connection 1 (30a), in engine compartment wiring harness

* Only models with Climatronic
*2 Only models with no Climatronic

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = lilac
- ge = yellow
- or = orange
- rs = pink
Current Flow Diagram

Auxiliary heater control unit, Onboard supply control unit, Fuse 62 on fuse holder C, Metering pump

J364 Auxiliary heater control unit
J519 Onboard supply control unit
SC62 Fuse 62 on fuse holder C
T2h 2-pin connector
T6b 6-pin connector
T16 16-pin connector
T18a 18-pin connector, near engine control unit
T73b 73-pin connector
U31 Diagnostic connection, near driver side A-pillar
V54 Metering pump

68 Earth point, on left of rear cross member
86 Earth connection 1, in rear wiring harness
A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B317 Positive connection 3 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness
L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with Climatronic
*2 Only models with air conditioning system/Climatronic
*3 Only models with no air conditioning system/Climatronic

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

https://www.automotive-manuals.net/
Auxiliary heater control unit, Continued coolant circulation pump

- J235 Coolant pump relay
- J255 Climatronic control unit
- J364 Auxiliary heater control unit
- J493 Auxiliary coolant heater relay
- J623 Engine control unit
- T2h 2-pin connector
- T16l 16-pin connector
- T17a 17-pin connector
- T18 18-pin connector, near engine control unit
- T21 21-pin connector, on relay carrier
- T94 94-pin connector
- V51 Continued coolant circulation pump

368 Earth connection 3, in main wiring harness
375 Earth connection 10, in main wiring harness
655 Earth point, on left headlight

* Only models with Climatronic
*2 Only models with no Climatronic
*3 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Auxiliary heater control unit, Glow plug for heater, Combustion air blower

- J364 Auxiliary heater control unit
- Q9 Glow plug for heater
- V6 Combustion air blower
- V55 Circulation pump

- 44 Earth point, lower part of left A-pillar
- 372 Earth connection 7, in main wiring harness
- 380 Earth connection 15, in main wiring harness

* Only models with Climatronic
*2 From November 2011

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

https://www.automotive-manuals.net/
Flame monitor, Overheating sensor, Coolant temperature sender for heater, Auxiliary heater control unit

- G64 Flame monitor
- G189 Overheating sensor
- G241 Coolant temperature sender for heater
- J364 Auxiliary heater control unit

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Radio system, (8UA),(8AE),(8DD),(LOR)

From December 2009
Radio, Fuse 67 on fuse holder C

- A Battery
- R Radio
- SA2 Fuse 2 in fuse holder A
- SC67 Fuse 67 on fuse holder C
- T8a 8-pin connector
- T21a 21-pin connector, on relay carrier, brown

1. Earth strap, battery - body
44. Earth point, lower part of left A-pillar

B322 Positive connection 8 (30a) in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

V28 Connection 1, in radio wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Radio, Front left loudspeaker, Front right loudspeaker, Diagnostic connection

- J519 Onboard supply control unit
- R Radio
- R2 Front left loudspeaker
- R3 Front right loudspeaker
- T4s 4-pin connector
- T4w 4-pin connector
- T8 8-pin connector
- T8a 8-pin connector
- T16 16-pin connector
- T21a 21-pin connector, on relay carrier, brown
- T28a 28-pin connector, on left A-pillar
- T28b 28-pin connector, on right A-pillar
- T73b 73-pin connector
- U31 Diagnostic connection, near driver side A-pillar
- A146 Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 Connection (convenience CAN bus, low), in dash panel wiring harness
- * Only models with 2 loudspeakers (8RD)

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Radio, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- **R**: Radio
- **R4**: Rear left loudspeaker
- **R20**: Front left treble loudspeaker
- **R21**: Front left bass loudspeaker
- **T2m**: 2-pin connector
- **T4ad**: 4-pin connector
- **T4s**: 4-pin connector
- **T8**: 8-pin connector
- **T21a**: 21-pin connector, on relay carrier, brown
- **T28**: 28-pin connector, on left B-pillar
- **T28a**: 28-pin connector, on left A-pillar

- **V9**: Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- **V10**: Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

https://www.automotive-manuals.net/
Radio, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- **R** Radio
- **R5** Rear right loudspeaker
- **R22** Front right treble loudspeaker
- **R23** Front right bass loudspeaker
- **T2m** 2-pin connector
- **T4af** 4-pin connector
- **T4w** 4-pin connector
- **T8** 8-pin connector
- **T21a** 21-pin connector, on relay carrier, brown
- **T28b** 28-pin connector, on right A-pillar
- **T28c** 28-pin connector, on right B-pillar
- **V7** Connection (positive, front left loudspeaker), in loudspeaker wiring harness
- **V8** Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

[Diagram Image]
Hardtop
From May 2011
Heated rear window button, Brake light switch, Onboard supply control unit, Fuse 42 on fuse holder C

- E230 Heated rear window button
- F Brake light switch
- J519 Onboard supply control unit
- M9 Left brake light bulb
- M10 Right brake light bulb
- SC42 Fuse 42 on fuse holder C
- T6a 6-pin connector, on rear roof module, black
- T6ah 6-pin connector
- T21a 21-pin connector, on relay carrier, brown
- T42 42-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- A2 Positive connection (15), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness
- W1 Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for basic equipment

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

https://www.automotive-manuals.net/
Onboard supply control unit, Terminal 30 relay, Fuse 5 on fuse holder B, Heated rear window

- J519  Onboard supply control unit
- J977  Terminal 30 relay, near rear lid, behind moulded headliner
- SB5   Fuse 5 on fuse holder B
- T1c   Single connector, near left C-pillar
- T2by  2-pin connector, Coupling point for rear lid, black
- T2bz  2-pin connector, in rear left side panel, black
- T6km  6-pin connector, near rear lid, behind moulded headliner, black
- T73b  73-pin connector, colourless
- Z1    Heated rear window
- 252   Earth connection, in optional equipment wiring harness
- 259   Earth connection 2, in optional equipment wiring harness
- 662   Earth point, rear left side panel
- *     Wiring open end

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Load area illumination switch, Fuse 63 on fuse holder C

- E1  Light switch
- E481  Load area illumination switch, near radio
- SC63  Fuse 63 on fuse holder C
- T6a  6-pin connector, on rear roof module, black
- T6al  6-pin connector, blue
- T6d  6-pin connector, on relay carrier, grey
- T21a  21-pin connector, on relay carrier, brown
- 44  Earth point, lower part of left A-pillar
- 110  Earth connection 2, in dash panel wiring harness
- 366  Earth connection 1, in main wiring harness
- A7  Positive connection (58 D1), in dash panel wiring harness
- B340  Connection 1 (58d), in main wiring harness
- B472  Connection 8, in main wiring harness

* From November 2011

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
**Rear interior light button, Control unit for special installations, Additional brake light bulb, Load area illumination bulb**

- **E327** Rear interior light button, in left D-pillar
- **J980** Control unit for special installations
- **M25** Additional brake light bulb
- **M53** Load area illumination bulb
- **T2ca** 2-pin connector, Coupling point for rear lid, black
- **T4bd** 4-pin connector, black
- **T6a** 6-pin connector, on rear roof module, black
- **T6km** 6-pin connector, near rear lid, behind moulded headliner, black
- **T8i** 8-pin connector, near rear lid, behind moulded headliner
- **W64** Interior light
  - **61** Earth point, left C-pillar
  - **370** Earth connection 5, in main wiring harness
  - **453** Earth connection 3, in optional equipment wiring harness

* If fitted
*2 Wiring open end

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**Legend**

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

**Current Flow Diagram**

No. 35 / 5

[Link to manual](https://www.automotive-manuals.net/)
Exterior lighting, (7L6)
From May 2011
Onboard supply control unit, Data bus diagnostic interface

- J519 Onboard supply control unit
- J533 Data bus diagnostic interface
- SA2 Fuse 2 in fuse holder A
- SC28 Fuse 28 on fuse holder C
- SC29 Fuse 29 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T20b 20-pin connector
- T73a 73-pin connector, black
- T73b 73-pin connector
- A146 Connection (convenience CAN bus, high), in dash panel wiring harness
- A147 Connection (convenience CAN bus, low), in dash panel wiring harness
- B322 Positive connection 8 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Light switch, Onboard supply control unit

E1  Light switch
J519  Onboard supply control unit
SC30  Fuse 30 on fuse holder C
T10j  10-pin connector, black
T73a  73-pin connector, black
T73b  73-pin connector

Positive connection 3 (15a) in dash panel wiring harness

* From November 2011

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

https://www.automotive-manuals.net/
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- **E20** Switch and instrument illumination regulator
- **E102** Headlight range control regulator
- **J519** Onboard supply control unit
- **T6c** 6-pin connector
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector

- **378** Earth connection 13, in main wiring harness
- **B340** Connection 1 (58d), in main wiring harness
- **B472** Connection 8, in main wiring harness

* Only models with dimmable instrument illumination
*2 Only models with headlight range control
*3 Only models with Trendline equipment
*4 Only models with Highline equipment
*5 From November 2011
*6 Only models with basic equipment

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

Current Flow Diagram No. 36 / 4

https://www.automotive-manuals.net/
**Current Flow Diagram**

Onboard supply control unit, Front left headlight

**J519** Onboard supply control unit
**MX1** Front left headlight
**M1** Left side light bulb
**M29** Left headlight dipped beam bulb
**M30** Left headlight main beam bulb
**T10** 10-pin connector
**T73a** 73-pin connector, black
**V48** Left headlight range control motor

- **B455** Connection (HRC), in main wiring harness
- **B474** Connection 10, in main wiring harness
- **B486** Connection 22, in main wiring harness

* Only models with headlight range control

---

**Legend**

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Onboard supply control unit, Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M18 Left turn signal repeater bulb
- T10 10-pin connector, black
- T10i 10-pin connector, black
- T73b 73-pin connector
- 368 Earth connection 3, in main wiring harness
- 655 Earth point, on left headlight, on left on bulkhead
- B469 Connection 5, in main wiring harness

Current Flow Diagram

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Onboard supply control unit, Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- J519 Onboard supply control unit
- L23 Right fog light bulb
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M7 Front right turn signal bulb
- M19 Right turn signal repeater bulb
- T8f 8-pin connector, in rear right of engine compartment, black
- T10d 10-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector
- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight, on right on bulkhead
- B470 Connection 6, in main wiring harness
- B473 Connection 9, in main wiring harness
- * Only models with headlight range control

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

https://www.automotive-manuals.net/
Onboard supply control unit, Front right headlight

- J519 Onboard supply control unit
- MX2 Front right headlight
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- T10d 10-pin connector, black
- T73b 73-pin connector
- V49 Right headlight range control motor
- 376 Earth connection 11, in main wiring harness
- B487 Connection 23, in main wiring harness
- * Only models with headlight range control

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

Current Flow Diagram
No. 36 / 8

https://www.automotive-manuals.net/
Left tail light, Left number plate light

L46  Rear left fog light bulb
MX3  Left tail light
M4   Left tail light bulb
M6   Rear left turn signal bulb
M9   Left brake light bulb
M16  Left reversing light bulb
T5i  5-pin connector
T14  14-pin connector, behind rear bumper on left
T18a 18-pin connector, near engine control unit, grey
T42  42-pin connector, near handbrake lever, black
X4   Left number plate light

28  Earth point, on bulkhead
68  Earth point, on left of rear cross member
86  Earth connection 1, in rear wiring harness
196 Earth connection 3, in rear wiring harness
W1   Positive connection 1 (54), in rear wiring harness
W70  Positive connection 2 (58), in number plate wiring harness

*  see applicable current flow diagram for preparation for trailer coupling
*2  Only right-hand drive models
*3  Only models with no towing bracket
*4  Only models with no rear fog light

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

https://www.automotive-manuals.net/
Reversing light switch, Right tail light, Right number plate light

- **F4**: Reversing light switch
- **L47**: Rear right fog light bulb
- **M2**: Right tail light bulb
- **MX4**: Right tail light
- **M8**: Rear right turn signal bulb
- **M10**: Right brake light bulb
- **M17**: Right reversing light bulb
- **SC3**: Fuse 3 on fuse holder C
- **T5k**: 5-pin connector
- **T18a**: 18-pin connector, near engine control unit, grey
- **T42**: 42-pin connector, near handbrake lever, black
- **X5**: Right number plate light
  - **86**: Earth connection 1, in rear wiring harness
  - **196**: Earth connection 3, in rear wiring harness
  - **197**: Earth connection 4, in rear wiring harness
  - **W3**: Connection in rear wiring harness
  - **W70**: Positive connection 2 (58), in number plate wiring harness
  - *: Only right-hand drive models
  - *2: Only models with no rear fog light

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

Current Flow Diagram
Steering column combination switch, Brake light switch, Dash panel insert, Fuse 42 on fuse holder C

- E595 Steering column combination switch
- F Brake light switch
- J285 Control unit in dash panel insert
- K Dash panel insert
- K1 Main beam warning lamp
- K13 Rear fog light warning lamp
- SC42 Fuse 42 on fuse holder C
- T4c 4-pin connector
- T32 32-pin connector, blue
- T41 41-pin connector, grey

- 42 Earth point, next to steering column
- 371 Earth connection 6, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- B141 Positive connection 1 (56a), in interior wiring harness
- B482 Connection 18, in main wiring harness
- B522 Connection (FL), in main wiring harness

* Only models with headlight range control
*2 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
gi = purple
gy = yellow
or = orange
rn = pink

https://www.automotive-manuals.net/
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- E481 Load area illumination switch, near radio
- M25 Additional brake light bulb
- M53 Load area illumination bulb
- SC63 Fuse 63 on fuse holder C
- T6a 6-pin connector, black
- T6d 6-pin connector, on relay carrier
- T6e 6-pin connector, on relay carrier, brown
- T21a 21-pin connector, on relay carrier

- 44 Earth point, lower part of left A-pillar
- 61 Earth point, left C-pillar
- 110 Earth connection 2, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 370 Earth connection 5, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- A7 Positive connection (58 D1), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness

* Only right-hand drive models
*2 From November 2011

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Exterior lighting, (7L3)
From May 2011
Electronic ignition lock, Terminal 15 voltage supply relay, Terminal 58b relief relay, Voltage supply relay 2, Fuse 29 on fuse holder C, Fuse 55 on fuse holder C

- D9  Electronic ignition lock
- J329  Terminal 15 voltage supply relay
- J374  Terminal 58b relief relay
- J710  Voltage supply relay 2
- SA2  Fuse 2 in fuse holder A
- SC29  Fuse 29 on fuse holder C
- SC55  Fuse 55 on fuse holder C

- 366  Earth connection 1, in main wiring harness
- 372  Earth connection 7, in main wiring harness
- 379  Earth connection 14, in main wiring harness
- 380  Earth connection 15, in main wiring harness

- A15  Positive connection (15), in instrument wiring harness
- A104  Positive connection 2 (15), in dash panel wiring harness
- B315  Positive connection 1 (30a) in main wiring harness
- B476  Connection 12, in main wiring harness
- B485  Connection 21, in main wiring harness
- B490  Connection 26, in main wiring harness
- D78  Connection 1 (30a), in engine compartment wiring harness

- *2  Only models with fog lights
- *  From November 2011

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

https://www.automotive-manuals.net/
Light switch, Light switch illumination bulb, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C

- **E1**: Light switch
- **L9**: Light switch illumination bulb
- **SC26**: Fuse 26 on fuse holder C
- **SC27**: Fuse 27 on fuse holder C
- **T6d**: 6-pin connector
- **T17**: 17-pin connector

**44**: Earth point, lower part of left A-pillar
**366**: Earth connection 1, in main wiring harness
**378**: Earth connection 13, in main wiring harness
**A83**: Connection (daytime running lights), in dash panel wiring harness

* Only models with daytime running lights
*2 From November 2011

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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

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https://www.automotive-manuals.net/
Light switch, Fuse 16 on fuse holder C, Fuse 53 on fuse holder C

- E1 Light switch
- SC16 Fuse 16 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- T17 17-pin connector

- (B322) Positive connection 8 (30a) in main wiring harness
- (B522) Connection (FL), in main wiring harness

* Only models with no fog lights but with multifunction display
*2 Only models with fog lights

Current Flow Diagram

No. 37 / 4

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

https://www.automotive-manuals.net/
Light switch, Switch and instrument illumination regulator, Headlight range control regulator, Fuse 28 on fuse holder C

- E1  Light switch
- E20  Switch and instrument illumination regulator
- E102  Headlight range control regulator
- SC17  Fuse 17 on fuse holder C
- SC28  Fuse 28 on fuse holder C
- T6c  6-pin connector
- T17  17-pin connector

- B340  Connection 1 (58d), in main wiring harness
- B472  Connection 8, in main wiring harness

- N2  Connection 1, in headlight range control wiring harness
- N3  Connection 2, in headlight range control wiring harness

* Only models with headlight range control
*2 Only models with dimmable instrument illumination
*3 Only models with Highline equipment
*4 Only models with no dimmable instrument illumination
*5 Only models with Trendline equipment
*6 Only models with basic equipment
*7 From November 2011

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

- J519 Onboard supply control unit
- MX1 Front left headlight
- M1 Left side light bulb
- M29 Left headlight dipped beam bulb
- M30 Left headlight main beam bulb
- SC30 Fuse 30 on fuse holder C
- T10 10-pin connector
- T73a 73-pin connector
- V48 Left headlight range control motor

*B455 Connection (HRC), in main wiring harness
*B474 Connection 10, in main wiring harness
*B478 Connection 14, in main wiring harness
*B486 Connection 22, in main wiring harness

* Only models with headlight range control

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

Current Flow Diagram

No. 37 / 6

https://www.automotive-manuals.net/
Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- J519: Onboard supply control unit
- L22: Left fog light bulb
- L174: Left daytime running light bulb
- MX1: Front left headlight
- M5: Front left turn signal bulb
- M18: Left turn signal repeater bulb
- T3e: 3-pin connector, in rear left of engine compartment, black
- T10: 10-pin connector
- T73a: 73-pin connector
- T73b: 73-pin connector

- 368: Earth connection 3, in main wiring harness
- 655: Earth point, on left headlight, on left on bulkhead
- B469: Connection 5, in main wiring harness
- B484: Connection 20, in main wiring harness

* Only models with Highline equipment

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

https://www.automotive-manuals.net/
Current Flow Diagram

Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- **J519**: Onboard supply control unit
- **L23**: Right fog light bulb
- **L175**: Right daytime running light bulb
- **MX2**: Front right headlight
- **M3**: Right side light bulb
- **M7**: Front right turn signal bulb
- **M19**: Right turn signal repeater bulb
- **T8f**: 8-pin connector, in rear right of engine compartment, black
- **T10d**: 10-pin connector
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector
- **369**: Earth connection 4, in main wiring harness
- **656**: Earth point, on right headlight, on right on bulkhead
- **B470**: Connection 6, in main wiring harness
- **B473**: Connection 9, in main wiring harness
- * Only models with headlight range control
- *2 Only models with Highline equipment

- **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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https://www.automotive-manuals.net/
Front right headlight, Fuse 32 on fuse holder C

- J519 Onboard supply control unit
- MX2 Front right headlight
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- SC32 Fuse 32 on fuse holder C
- T10d 10-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- V49 Right headlight range control motor

- 376 Earth connection 11, in main wiring harness
- B487 Connection 23, in main wiring harness

* Only models with headlight range control
Left tail light, Left number plate light

L46  Rear left fog light bulb
MX3  Left tail light
M4   Left tail light bulb
M6   Rear left turn signal bulb
M9   Left brake light bulb
M16  Left reversing light bulb
T5i  5-pin connector
T14  14-pin connector, behind rear bumper on left, black
T18a 18-pin connector, near engine control unit, grey
T42  42-pin connector, near handbrake lever, black
X4   Left number plate light

28  Earth point, on bulkhead
68  Earth point, on left of rear cross member
86  Earth connection 1, in rear wiring harness
196 Earth connection 3, in rear wiring harness
W1  Positive connection 1 (54), in rear wiring harness
W70 Positive connection 2 (58), in number plate wiring harness

* see applicable current flow diagram for preparation for trailer coupling
*2  Only right-hand drive models
*3  Only models with no towing bracket
*4  Only models with Highline equipment
*5  Only left-hand drive models
*6  Only models with Trendline equipment
*7  Only models with basic equipment
*8  Only models with no rear fog light

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</tbody>
</table>

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

https://www.automotive-manuals.net/
Reversing light switch, Right tail light, Right number plate light

- F4  Reversing light switch
- L47  Rear right fog light bulb
- M2  Right tail light bulb
- MX4  Right tail light
- M8  Rear right turn signal bulb
- M10  Right brake light bulb
- M17  Right reversing light bulb
- SC3  Fuse 3 on fuse holder C
- T5k  5-pin connector
- T18a  18-pin connector, near engine control unit, grey
- T42  42-pin connector, near handbrake lever, black
- X5  Right number plate light

- 86  Earth connection 1, in rear wiring harness
- 196  Earth connection 3, in rear wiring harness
- 197  Earth connection 4, in rear wiring harness
- W3  Connection in rear wiring harness
- W70  Positive connection 2 (58), in number plate wiring harness

* Only right-hand drive models
*2 Only models with no rear fog light

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

https://www.automotive-manuals.net/
Steering column combination switch, Brake light switch, Control unit in dash panel insert, Engine control unit, Dash panel insert

- **E595**: Steering column combination switch
- **F**: Brake light switch
- **J285**: Control unit in dash panel insert
- **J623**: Engine control unit
- **K**: Dash panel insert
- **K1**: Main beam warning lamp
- **K13**: Rear fog light warning lamp
- **SC42**: Fuse 42 on fuse holder C
- **T4c**: 4-pin connector, black
- **T32**: 32-pin connector, blue
- **T41**: 41-pin connector, grey
- **T94**: 94-pin connector, black
- **T94a**: 94-pin connector, black

- **42**: Earth point, next to steering column
- **371**: Earth connection 6, in main wiring harness
- **A2**: Positive connection (15), in dash panel wiring harness
- **B482**: Connection 18, in main wiring harness

* Only models with petrol engine
*2 Only models with diesel engine
*3 From November 2011

Codes:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

E481  Load area illumination switch, near radio
M25  Additional brake light bulb
M53  Load area illumination bulb
SC63  Fuse 63 on fuse holder C
T6a  6-pin connector
T6al  6-pin connector
T6d  6-pin connector, on relay carrier
T21a  21-pin connector, on relay carrier

- 61  Earth point, left C-pillar
- 110  Earth connection 2, in dash panel wiring harness
- 370  Earth connection 5, in main wiring harness
- A2  Positive connection (15), in dash panel wiring harness
- A7  Positive connection (58 D1), in dash panel wiring harness
- B335  Connection 1 (54), in main wiring harness
*  Only models with headlight range control
*2  Only right-hand drive models

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Fuse assignment for models with start/stop system, (7L6)
From May 2011
Starter, Starter relay 1, Starter relay 2

- **B** Starter
- **J623** Engine control unit
- **J906** Starter relay 1
- **J907** Starter relay 2
- **T18a** 18-pin connector, near engine control unit, grey
- **T94a** 94-pin connector

- **A192** Positive connection 3 (15a) in dash panel wiring harness
- **B479** Connection 15, in main wiring harness
- **B729** Connection 1 (50), in main wiring harness

**Current Flow Diagram**

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

[Diagram Image]
Battery, Alternator with voltage regulator, Battery monitor control unit, Data bus diagnostic interface, Fuse 1 in fuse holder A

A Battery
CX1 Alternator with voltage regulator
J367 Battery monitor control unit
J533 Data bus diagnostic interface
SA1 Fuse 1 in fuse holder A
T18 18-pin connector, near engine control unit, black
T20b 20-pin connector

1 Earth strap, battery - body
375 Earth connection 10, in main wiring harness
655 Earth point, on left headlight

B231 Positive connection 5 (30a), in interior wiring harness
B549 Connection 2 (LIN bus) in main wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Starter motor relay, Fuse 2 in fuse holder A

- **J53** Starter motor relay
- **SA2** Fuse 2 in fuse holder A
- **44** Earth point, lower part of left A-pillar
- **366** Earth connection 1, in main wiring harness
- **372** Earth connection 7, in main wiring harness
- **379** Earth connection 14, in main wiring harness
- **380** Earth connection 15, in main wiring harness
- **A57** Positive connection 3 (30), in dash panel wiring harness
- **D78** Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

Current Flow Diagram

No. 38 / 4

Amarok

[Diagram showing current flow with labels and connections]

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

https://www.automotive-manuals.net/
Headlight relay, Terminal 15 voltage supply relay, Voltage supply relay 1

- J25 Headlight relay
- J329 Terminal 15 voltage supply relay
- J701 Voltage supply relay 1

- 366 Earth connection 1, in main wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B489 Connection 25, in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* Only models with electric interface for external use
*2 From November 2011

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

Current Flow Diagram
No. 38 / 5

https://www.automotive-manuals.net/
Automatic glow period control unit, Main relay, Fuse 3 in fuse holder A, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A, Fuse 6 in fuse holder A

- J179 Automatic glow period control unit
- J271 Main relay
- J293 Radiator fan control unit
- SA3 Fuse 3 in fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SA6 Fuse 6 in fuse holder A
- T6h 6-pin connector, in left footwell, near centre console
- T11 11-pin connector
- B315 Positive connection 1 (30a) in main wiring harness

* According to equipment
*2 Only models with electric interface for external use
*3 Only models with air conditioning system/ Climatronic
*4 Only for countries with hot climate
*5 Only models with diesel engine

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

https://www.automotive-manuals.net/
Fuel pump relay, ABS control unit, Terminal 30 voltage supply relay, Fuse 1 on fuse holder B, Fuse 2 on fuse holder B, Fuse 3 on fuse holder B, Fuse 4 on fuse holder B

- G6 Fuel system pressurisation pump
- J17 Fuel pump relay
- J104 ABS control unit
- J317 Terminal 30 voltage supply relay
- SB1 Fuse 1 on fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T5g 5-pin connector
- T18a 18-pin connector, near engine control unit, grey
- T42 42-pin connector, black
- T47 47-pin connector

*B564 Connection 31, in main wiring harness

* Only models with air conditioning system/Climatronic
*2 Only models with no air conditioning system/Climatronic

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

https://www.automotive-manuals.net/
Amarok

Current Flow Diagram

No. 38 / 8

Auxiliary coolant heater relay, 10-pin connector, Washer pump, Circulation pump

- J255 Climatronic control unit
- J493 Auxiliary coolant heater relay
- SC7 Fuse 7 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- T8f 8-pin connector, in rear right of engine compartment, black
- T10h 10-pin connector, in left footwell, near centre console
- T16l 16-pin connector
- T17a 17-pin connector, behind glove compartment, black
- T21 21-pin connector, on relay carrier, blue
- V5 Washer pump
- V55 Circulation pump

B480 Connection 16, in main wiring harness

* Only models with electric interface for external use
*2 Only models with air conditioning system/ Climatronic
*3 Only models with no air conditioning system/Climatronic
*4 Only models with Climatronic
*5 From November 2011

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

https://www.automotive-manuals.net/
Electronic ignition lock, Left brake light bulb, Right brake light bulb, Additional brake light bulb, Heated exterior mirror on driver side, Heated exterior mirror on front passenger side

- **D9** Electronic ignition lock
- **J519** Onboard supply control unit
- **M9** Left brake light bulb
- **M10** Right brake light bulb
- **M25** Additional brake light bulb
- **SC4** Fuse 4 on fuse holder C
- **SC8** Fuse 8 on fuse holder C
- **SC19** Fuse 19 on fuse holder C
- **T5i** 5-pin connector
- **T5k** 5-pin connector
- **T6a** 6-pin connector
- **T6f** 6-pin connector
- **T28b** 28-pin connector, near A-pillar
- **T42** 42-pin connector, black
- **T73a** 73-pin connector
- **T73b** 73-pin connector
- **Z4** Heated exterior mirror on driver side
- **Z5** Heated exterior mirror on front passenger side
- **A63** Connection (mirror adjustment/heating), in dash panel wiring harness
- **B317** Positive connection 3 (30a) in main wiring harness
- **B318** Positive connection 4 (30a) in main wiring harness
- **B335** Connection 1 (54), in main wiring harness
- **W1** Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for window regulators/ basic equipment/ convenience system

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**Current Flow Diagram No. 38 / 9**

https://www.automotive-manuals.net/
Treble horn, Driver door control unit, Front passenger door control unit, Control unit for vehicle location system, Windscreen wiper motor, Front interior light

- H2: Treble horn
- H7: Bass horn
- J386: Driver door control unit
- J387: Front passenger door control unit
- J519: Onboard supply control unit
- J895: Control unit for vehicle location system
- SC21: Fuse 21 on fuse holder C
- SC22: Fuse 22 on fuse holder C
- SC43: Fuse 43 on fuse holder C
- SC47: Fuse 47 on fuse holder C
- SC48: Fuse 48 on fuse holder C
- SC49: Fuse 49 on fuse holder C
- T3q: 3-pin connector
- T16e: 16-pin connector
- T16f: 16-pin connector
- T16o: 16-pin connector
- T21: 21-pin connector, on relay carrier, blue
- T28a: 28-pin connector, in left A-pillar
- T28b: 28-pin connector, on right A-pillar
- T73a: 73-pin connector
- V: Windscreen wiper motor
- W1: Front interior light

(B317) Positive connection 3 (30a) in main wiring harness

- * Only left-hand drive models
- *2 Only right-hand drive models
- *3 Country specific
- *4 see applicable current flow diagram for basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Auxiliary heater control unit, Rear left door control unit, Rear right door control unit, Onboard supply control unit, Load area illumination bulb

- **J364**: Auxiliary heater control unit
- **J388**: Rear left door control unit
- **J389**: Rear right door control unit
- **J519**: Onboard supply control unit
- **M53**: Load area illumination bulb

**Fuse Holder C**
- **SC20**: Fuse 20
- **SC50**: Fuse 50
- **SC51**: Fuse 51
- **SC62**: Fuse 62
- **SC63**: Fuse 63

**Connectors**
- **T2h**: 2-pin connector
- **T6a**: 6-pin connector
- **T16h**: 16-pin connector
- **T16i**: 16-pin connector
- **T28**: 28-pin connector
- **T28c**: 28-pin connector
- **T73b**: 73-pin connector
- **B317**: Positive connection 3 (30a) in main wiring harness
- **L62**: Positive connection (30a), in auxiliary heater wiring harness

- **Only right-hand drive models**
- **Only models with air conditioning system/ Climatronic**
- **Only models with air conditioning system**
- **Only models with no air conditioning system/Climatronic**

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

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Alarm horn, Differential lock control unit, Heated rear window

- **H12** Alarm horn
- **J187** Differential lock control unit
- **J519** Onboard supply control unit
- **SC11** Fuse 11 on fuse holder C
- **SC15** Fuse 15 on fuse holder C
- **SC23** Fuse 23 on fuse holder C
- **SC24** Fuse 24 on fuse holder C
- **SC44** Fuse 44 on fuse holder C
- **T18b** 18-pin connector, black
- **T73b** 73-pin connector
- **Z1** Heated rear window

**B322** Positive connection 8 (30a) in main wiring harness

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

Control unit in dash panel insert, Transfer box control unit

- E16 Heater/heat output switch
- J255 Climatronic control unit
- J285 Control unit in dash panel insert
- J301 Air conditioning system control unit
- J646 Transfer box control unit
- SC45 Fuse 45 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC64 Fuse 64 on fuse holder C
- SC66 Fuse 66 on fuse holder C
- T2bp 2-pin connector, black
- T4d 4-pin connector
- T16 16-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T21 21-pin connector, on relay carrier, blue
- T32 32-pin connector
- U31 Diagnostic connection, near driver side A-pillar

- (B316) Positive connection 2 (30a) in main wiring harness
- (B322) Positive connection 8 (30a) in main wiring harness

* Only models with Climatic
*2 According to equipment
*3 Only models with Climatronic

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Number plate light

- **E1** Light switch
- **J519** Onboard supply control unit
- **J532** Voltage stabiliser
- **SC16** Fuse 16 on fuse holder C
- **SC28** Fuse 28 on fuse holder C
- **SC29** Fuse 29 on fuse holder C
- **SC53** Fuse 53 on fuse holder C
- **SC55** Fuse 55 on fuse holder C
- **SC67** Fuse 67 on fuse holder C
- **T10i** 10-pin connector, near battery, black
- **T12e** 12-pin connector
- **T18a** 18-pin connector, near engine control unit, grey
- **T73a** 73-pin connector
- **T73b** 73-pin connector
- **X** Number plate light

- **A145** Positive connection 4 (15), in dash panel wiring harness
- **B319** Positive connection 5 (30a) in main wiring harness
- **B322** Positive connection 8 (30a) in main wiring harness

* see fitting locations

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

https://www.automotive-manuals.net/
Washer pump switch (automatic wash/wipe and headlight washer system), TCS and ESP button, Steering column combination switch, Driving program button, Reversing light switch, Parking aid control unit, Left washer jet heater element

- **E44**: Washer pump switch (automatic wash/wipe and headlight washer system)
- **E256**: TCS and ESP button
- **E595**: Steering column combination switch
- **E598**: Driving program button
- **F4**: Reversing light switch
- **J446**: Parking aid control unit
- **SC1**: Fuse 1 on fuse holder C
- **SC2**: Fuse 2 on fuse holder C
- **SC3**: Fuse 3 on fuse holder C
- **T2cj**: 2-pin connector, near window wiper motor, black
- **T6k**: 6-pin connector
- **T6l**: 6-pin connector
- **T16**: 16-pin connector
- **T18a**: 18-pin connector, near engine control unit, grey
- **T41**: 41-pin connector
- **T42**: 42-pin connector, black
- **Z20**: Left washer jet heater element
- **Z21**: Right washer jet heater element

- **A15**: Positive connection (15), in instrument wiring harness
- **A38**: Positive connection 2 (15a) in dash panel wiring harness
- **B450**: Connection 1 (PDC), in main wiring harness
- **B536**: Connection 27, in main wiring harness
- **C72**: Positive connection in heated washer jet wiring harness

- * see applicable current flow diagram for basic equipment
- *2 Only models with anti-lock brake system (ABS), traction control system (TCS) and electronic differential lock (EDL)
- *3 with auxiliary drive (part time)
- *4 Only models with manual gearbox
- *5 Only models with parking aid (PDC)

\[ \text{ws} = \text{white} \]
\[ \text{sw} = \text{black} \]
\[ \text{ro} = \text{red} \]
\[ \text{br} = \text{brown} \]
\[ \text{gn} = \text{green} \]
\[ \text{bl} = \text{blue} \]
\[ \text{gr} = \text{grey} \]
\[ \text{li} = \text{purple} \]
\[ \text{ge} = \text{yellow} \]
\[ \text{or} = \text{orange} \]
\[ \text{rs} = \text{pink} \]
Brake light switch, Airbag control unit, Front passenger side airbag deactivated warning lamp, Normal operation warning lamp in transfer box operating unit, Heater element for crankcase breather, Fuse 42 on fuse holder C

- **F**: Brake light switch
- **J234**: Airbag control unit
- **K145**: Front passenger side airbag deactivated warning lamp
- **K181**: Normal operation warning lamp in transfer box operating unit
- **K182**: Reduction gearing warning lamp in transfer box operating unit
- **K183**: Inter-axle lock-up warning lamp in transfer box operating unit
- **N79**: Heater element for crankcase breather
- **SC6**: Fuse 6 on fuse holder C
- **SC9**: Fuse 9 on fuse holder C
- **SC10**: Fuse 10 on fuse holder C
- **SC25**: Fuse 25 on fuse holder C
- **SC30**: Fuse 30 on fuse holder C
- **SC42**: Fuse 42 on fuse holder C
- **T6ak**: 6-pin connector
- **T9**: 9-pin connector, on relay carrier
- **T50**: 50-pin connector
- **A2**: Positive connection (15), in dash panel wiring harness
- **A15**: Positive connection (15), in instrument wiring harness
- **T1**: Positive connection 1, in airbag wiring harness

* Only models with key operated switch to deactivate front passenger airbag

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**Current Flow Diagram**

No. 38 / 16

[Diagram Image]

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

https://www.automotive-manuals.net/
Steering column combination switch, Oil level and oil temperature sender, Transfer box control unit, Control unit for vehicle location system

E45  Cruise control system switch
E595  Steering column combination switch
G65  High-pressure sender
G238  Air quality sensor
G266  Oil level and oil temperature sender
J646  Transfer box control unit
J895  Control unit for vehicle location system
T3c  3-pin connector
T3p  3-pin connector
T16a  16-pin connector
T16o  16-pin connector
T21  21-pin connector, on relay carrier, blue
T41  41-pin connector, grey
T42  42-pin connector, black

* Only left-hand drive models
*2 According to equipment
*3 Only models with cruise control system (CCS)
*4 Only models with air conditioning system/ Climatronic
*5 Only models with Climatronic

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

https://www.automotive-manuals.net/
Tiptronic switch, Automatic gearbox control unit, Ignition key withdrawal lock solenoid, Fuse 70 on fuse holder C, Fuse 71 on fuse holder C, 6-pin connector, 10-pin connector

- F189 Tiptronic switch
- J217 Automatic gearbox control unit
- J738 Telephone controls control unit
- N376 Ignition key withdrawal lock solenoid
- SC31 Fuse 31 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- SC68 Fuse 68 on fuse holder C
- SC70 Fuse 70 on fuse holder C
- SC71 Fuse 71 on fuse holder C
- T6h 6-pin connector, in left footwell, near centre console
- T10h 10-pin connector, in left footwell, near centre console
- T10k 10-pin connector, in centre console, on selector lever bracket, black
- T14b 14-pin connector, black
- T16q 16-pin connector, black
- T18a 18-pin connector, near engine control unit, grey
- T54 54-pin connector
- A15 Positive connection (15), in instrument wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- U3 Connection 1, in automatic gearbox wiring harness

* Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Current Flow Diagram

Button for left seat heating, Button for right seat heating, Voltage supply relay 2, Seat heating control unit, 10-pin connector, Cigarette lighter

E653 Button for left seat heating
E654 Button for right seat heating
J710 Voltage supply relay 2
J882 Seat heating control unit
SC54 Fuse 54 on fuse holder C
SC57 Fuse 57 on fuse holder C
SC69 Fuse 69 on fuse holder C
SC72 Fuse 72 on fuse holder C
T6h 6-pin connector, in left footwell, near centre console
T6m 6-pin connector
T6o 6-pin connector
T10h 10-pin connector, in left footwell, near centre console
T16b 16-pin connector
U1 Cigarette lighter

B431 Connection (seat heating), in main wiring harness
B485 Connection 21, in main wiring harness
B490 Connection 26, in main wiring harness

* Only models with electric interface for external use
*2 From November 2011

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

https://www.automotive-manuals.net/
Mirror adjustment switch, Current supply relay, Electric socket, 12 V socket, 12 V socket 2

- E43: Mirror adjustment switch
- J16: Current supply relay
- SC33: Fuse 33 on fuse holder C
- SC38: Fuse 38 on fuse holder C
- SC52: Fuse 52 on fuse holder C
- SC59: Fuse 59 on fuse holder C
- T6d: 6-pin connector, on relay carrier
- T28a: 28-pin connector, on left A-pillar
- U: Electric socket
- U5: 12 V socket
- U18: 12 V socket 2

- B490: Connection 26, in main wiring harness
- B491: Positive connection (75), in interior wiring harness

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

https://www.automotive-manuals.net/
Air mass meter, Charge pressure control solenoid valve, Fuel pressure regulating valve, Fuel metering valve, Exhaust gas recirculation cooler changeover valve, Coolant circulation pump

- **G70** Air mass meter
- **N75** Charge pressure control solenoid valve
- **N276** Fuel pressure regulating valve
- **N290** Fuel metering valve
- **N345** Exhaust gas recirculation cooler changeover valve

Fuse placements:
- **SC5**: Fuse 5 on fuse holder C
- **SC12**: Fuse 12 on fuse holder C
- **SC13**: Fuse 13 on fuse holder C
- **SC14**: Fuse 14 on fuse holder C

Connectors:
- **T4i**: 4-pin connector
- **T18**: 18-pin connector, near engine control unit, black
- **V50**: Coolant circulation pump

Connections:
- **B570**: Connection 37, in main wiring harness
- **B571**: Connection 38, in main wiring harness
- **D106**: Connection 4 in engine compartment wiring harness

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

Current Flow Diagram No. 38 / 21
Lambda probe heater

SC35  Fuse 35 on fuse holder C
SC36  Fuse 36 on fuse holder C
SC65  Fuse 65 on fuse holder C
T6t  6-pin connector, front right in engine compartment, black
Z19  Lambda probe heater

- B568 Connection 35, in main wiring harness
- B571 Connection 38, in main wiring harness

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
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bl = blue
gr = grey
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rs = pink

Current Flow Diagram
No. 38 / 22

https://www.automotive-manuals.net/
2.0l diesel engine, CDBA,(7L6)
From May 2011
Headlight relay, Terminal 15 voltage supply relay

- J25 Headlight relay
- J329 Terminal 15 voltage supply relay
- T6d 6-pin connector, grey
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- 379 Earth connection 14, in main wiring harness
- 380 Earth connection 15, in main wiring harness
- A104 Positive connection 2 (15), in dash panel wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- D78 Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

Current Flow Diagram

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

https://www.automotive-manuals.net/
Battery, Starter, Voltage supply relay 2, Starter relay 1, Starter relay 2, Fuse 42 on fuse holder C, Fuse 54 on fuse holder C

- A Battery
- B Starter
- J710 Voltage supply relay 2
- J906 Starter relay 1
- J907 Starter relay 2
- SC30 Fuse 30 on fuse holder C
- SC42 Fuse 42 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- T18a 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body

366. Earth connection 1, in main wiring harness

A15. Positive connection (15), in instrument wiring harness

A192. Positive connection 3 (15a) in dash panel wiring harness

B479. Connection 15, in main wiring harness

B485. Connection 21, in main wiring harness

B490. Connection 26, in main wiring harness

* From November 2011

ws = white
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gf = grey
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https://www.automotive-manuals.net/
Fuel pump relay, Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B, Fuse 5 in fuse holder A

- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay, on relay carrier
- J493 Auxiliary coolant heater relay
- SA1 Fuse 1 in fuse holder A
- SA2 Fuse 2 in fuse holder A
- SB2 Fuse 2 on fuse holder B
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- V55 Circulation pump

(B564) Connection 31, in main wiring harness

* see applicable current flow diagram for air conditioning

*2 Only for countries with hot climate

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Alternator with voltage regulator, Battery monitor control unit, Voltage stabiliser, Data bus diagnostic interface, Fuse 67 on fuse holder C

**CX1** Alternator with voltage regulator
**J367** Battery monitor control unit
**J532** Voltage stabiliser, in front left wing
**J533** Data bus diagnostic interface
**SB4** Fuse 4 on fuse holder B
**SC67** Fuse 67 on fuse holder C
**T2y** 2-pin connector, black
**T10i** 10-pin connector, on left wheel housing, black
**T12a** 12-pin connector, black
**T18a** 18-pin connector, near engine control unit, grey
**T20b** 20-pin connector, black
**B231** Positive connection 5 (30a), in interior wiring harness
**B319** Positive connection 5 (30a) in main wiring harness
**B549** Connection 2 (LIN bus) in main wiring harness

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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

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https://www.automotive-manuals.net/
Electronic ignition lock, Onboard supply control unit, Voltage stabiliser, Data bus diagnostic interface, Fuse 16 on fuse holder C

- D9 Electronic ignition lock
- J519 Onboard supply control unit
- J532 Voltage stabiliser, in front left wing
- J533 Data bus diagnostic interface
- SC16 Fuse 16 on fuse holder C
- T6f 6-pin connector, black
- T10i 10-pin connector, on left wheel housing, black
- T12e 12-pin connector, black
- T20b 20-pin connector, black
- T73a 73-pin connector, black
- T73b 73-pin connector

- 368 Earth connection 3, in main wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- B259 Connection (start/stop signal), in interior wiring harness

* Only models with cruise control system (CCS)

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

Current Flow Diagram

Amarok

https://www.automotive-manuals.net/
Cruise control system switch, Steering column combination switch, Onboard supply control unit, Data bus diagnostic interface

E45 Cruise control system switch
E595 Steering column combination switch
J519 Onboard supply control unit
J533 Data bus diagnostic interface
T20b 20-pin connector, black
T41 41-pin connector, grey
T73a 73-pin connector, black
T73b 73-pin connector

A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B141 Positive connection 1 (56a), in interior wiring harness
B383 Connection (powertrain CAN bus, high), in main wiring harness
B390 Connection (powertrain CAN bus, low), in main wiring harness

* Only models with Climatronic
*2 Only models with cruise control system (CCS)
*3 Only models with no headlight range control, see respective Current Flow Diagram headlight
*4 From July 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rn = pink
Data bus diagnostic interface, Diagnostic connection

- **J533** Data bus diagnostic interface
- **T16** 16-pin connector, black
- **T20b** 20-pin connector, black
- **U31** Diagnostic connection

**Connections**

- **B397** Connection 1 (convenience CAN bus, high), in main wiring harness
- **B406** Connection 1 (convenience CAN bus, low), in main wiring harness
- **B713** Connection 1 (CAN bus diagnosis, high), in main wiring harness
- **B714** Connection 1 (CAN bus diagnosis, low), in main wiring harness

*From July 2011*

**Legend**

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink
Heater element for crankcase breather, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 25 on fuse holder C

- N79  Heater element for crankcase breather
- SC10  Fuse 10 on fuse holder C
- SC15  Fuse 15 on fuse holder C
- SC23  Fuse 23 on fuse holder C
- SC25  Fuse 25 on fuse holder C

- 369  Earth connection 4, in main wiring harness
- 656  Earth point, on right headlight
- B322  Positive connection 8 (30a) in main wiring harness

* Only models with crankcase breather heater element
Main relay, Fuse 5 on fuse holder C, Fuse 12 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C, Fuse 65 on fuse holder C

J271 Main relay, on relay carrier
SC5 Fuse 5 on fuse holder C
SC12 Fuse 12 on fuse holder C
SC13 Fuse 13 on fuse holder C
SC14 Fuse 14 on fuse holder C
SC35 Fuse 35 on fuse holder C
SC36 Fuse 36 on fuse holder C
SC65 Fuse 65 on fuse holder C

(B571) Connection 38, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Current Flow Diagram

Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

J179  Automatic glow period control unit
J623  Engine control unit
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit

G39  Lambda probe
J623  Engine control unit
T6t  6-pin connector, front right in engine compartment, black
T94a  94-pin connector, black
Z19  Lambda probe heater

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve

G83 Radiator outlet coolant temperature sender
G235 Exhaust gas temperature sender 1
G495 Exhaust gas temperature sender 3
G648 Exhaust gas temperature sender 4
J623 Engine control unit
N75 Charge pressure control solenoid valve
N345 Exhaust gas recirculation cooler changeover valve
T2q 2-pin connector, black
T2r 2-pin connector, orange
T2s 2-pin connector, brown
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Start/Stop operation button, Engine control unit

- E693 Start/Stop operation button
- J623 Engine control unit
- T6bk 6-pin connector, green
- T21a 21-pin connector, on relay carrier, brown
- T94a 94-pin connector, black

- 110 Earth connection 2, in dash panel wiring harness
- A7 Positive connection (58 D1), in dash panel wiring harness
- B568 Connection 35, in main wiring harness
- B729 Connection 1 (50), in main wiring harness
- K8 Connection 1, in centre console wiring harness

* Only models with no headlight range control, see respective Current Flow Diagram headlight

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit

- G70: Air mass meter
- G79: Accelerator position sender
- G185: Accelerator position sender 2
- J623: Engine control unit

- T4i: 4-pin connector, black
- T6g: 6-pin connector, black
- T94a: 94-pin connector, black

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

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

G31  Charge pressure sender
G42  Intake air temperature sender
G71  Intake manifold pressure sender
G450 Exhaust gas pressure sensor 1
J623  Engine control unit
T3d  3-pin connector, black
T4h  4-pin connector, black
T4k  4-pin connector, black
T18a  18-pin connector, near engine control unit, grey
T94a  94-pin connector, black
(B565)  Connection 32, in main wiring harness
(B567)  Connection 34, in main wiring harness
* Only models with Euro 3 emission standard

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

https://www.automotive-manuals.net/
Brake light switch, Engine control unit

- **F** Brake light switch
- **J104** ABS control unit
- **J623** Engine control unit
- **T4c** 4-pin connector, black
- **T6h** 6-pin connector, in left footwell, near centre console, grey
- **T42** 42-pin connector, near handbrake lever, black
- **T94a** 94-pin connector, black
- **371** Earth connection 6, in main wiring harness
- **375** Earth connection 10, in main wiring harness
- **655** Earth point, on left headlight
- **B482** Connection 18, in main wiring harness
- **X130** Connection 3, in optional equipment wiring harness
- **X131** Connection 4, in optional equipment wiring harness

- * Only models with electric interface for external use
- *2 Only for countries with hot climate
- *3 From November 2011

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- li = purple
- ge = yellow
- or = orange
- rs = pink

Note: For a detailed view, visit the link provided.
Radiator fan control unit, Engine control unit, Radiator fan, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit
- T3w 3-pin connector, black
- T4k 4-pin connector, on radiator cowling, black
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump

**375** Earth connection 10, in main wiring harness

**B613** Connection 41, in main wiring harness

* Only for countries with hot climate

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**Legend**

- ws = white
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- bl = blue
- gr = grey
- li = purple
- ge = yellow
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- rs = pink

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[Link to the manual] https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623 Engine control unit
N30 Injector, cylinder 1
N31 Injector, cylinder 2
N32 Injector, cylinder 3
N33 Injector, cylinder 4
T60 60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G247 Fuel pressure sender
- J623 Engine control unit
- N18  Exhaust gas recirculation valve
- T3q 3-pin connector, black
- T3q 3-pin connector, on front of engine, black
- T3s 3-pin connector, black
- T6ao 6-pin connector, grey
- T60 60-pin connector, black

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness

Colors:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Throttle valve potentiometer, Fuel temperature sender, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Intake manifold flap motor

- G69  Throttle valve potentiometer
- G81  Fuel temperature sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module, black
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T3u  3-pin connector, black
- T5m  5-pin connector, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- V157 Intake manifold flap motor

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Clutch pedal switch for stop/start system, Coolant temperature sender, Engine control unit

- **F36** Clutch pedal switch
- **F71** Clutch pedal switch for stop/start system
- **G62** Coolant temperature sender
- **J623** Engine control unit
- **T60** 60-pin connector, black
- **T94a** 94-pin connector, black
- **B441** Connection (CCS), in main wiring harness

* Only models with cruise control system (CCS)
*2 From July 2011

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

Current Flow Diagram

No. 39 / 22

Amarok

Accessed from https://www.automotive-manuals.net/
Fuel system pressurisation pump, Oil level and oil temperature sender, Dash panel insert

- **G** Fuel gauge sender
- **G1** Fuel gauge
- **G3** Coolant temperature gauge
- **G5** Rev. counter
- **G6** Fuel system pressurisation pump
- **G21** Speedometer
- **G266** Oil level and oil temperature sender
- **H3** Buzzer and gong
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K2** Alternator warning lamp
- **K28** Coolant temperature and coolant shortage warning lamp
- **K132** Electronic power control fault lamp
- **T3m** 3-pin connector, black
- **T5g** 5-pin connector, black
- **T32** 32-pin connector, blue
- **T42** 42-pin connector, near handbrake lever, black

**Earth Points**:
- **374** Earth connection 9, in main wiring harness
- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **68** Earth point, on left of rear cross member

**Connector Types**:
- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K132 Electronic power control fault lamp
- T3m 3-pin connector, black
- T5g 5-pin connector, black
- T32 32-pin connector, blue
- T42 42-pin connector, near handbrake lever, black

**Pin Numbers**:
- T32 20
- T32 11
- T32 12
- T42 10
- T42 9
- T42 8
- T5g 3
- T5g 2
- T5g 1
- T3m 1
- T3m 3
- T3m 2

**Legend**:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gf = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Oil pressure switch, Dash panel insert

F1 Oil pressure switch
J285 Control unit in dash panel insert
K Dash panel insert
K3 Oil pressure warning lamp
K29 Glow period warning lamp
K31 Cruise control system warning lamp
K38 Oil level warning lamp
K105 Reserve fuel warning lamp
T18 18-pin connector, near engine control unit, black
T32 32-pin connector, blue

* From July 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Basic equipment
From May 2011
Battery, Starter, Starter motor relay, Fuse 2 in fuse holder A

A Battery
B Starter
J53 Starter motor relay
SA2 Fuse 2 in fuse holder A
T18 18-pin connector, near engine control unit, black
T18a 18-pin connector, near engine control unit, grey

1 Earth strap, battery - body

B322 Positive connection 8 (30a) in main wiring harness

D78 Positive connection 1 (30a), in engine compartment wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
gy = yellow
or = orange
rs = pink
Light switch, Terminal 15 voltage supply relay, Terminal 58b relief relay, Voltage supply relay 2

E1  Light switch
J329  Terminal 15 voltage supply relay
J374  Terminal 58b relief relay
J710  Voltage supply relay 2
SC29  Fuse 29 on fuse holder C
SC55  Fuse 55 on fuse holder C
T6d  6-pin connector, on relay carrier, grey

366  Earth connection 1, in main wiring harness

379  Earth connection 14, in main wiring harness

A15  Positive connection (15), in instrument wiring harness

B315  Positive connection 1 (30a) in main wiring harness

B476  Connection 12, in main wiring harness

B485  Connection 21, in main wiring harness

*  see applicable current flow diagram
*2  Only models with petrol engine
*3  From December 2011
*4  From November 2011

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

https://www.automotive-manuals.net/
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit

- **F36** Clutch pedal switch
- **J17** Fuel pump relay
- **J317** Terminal 30 voltage supply relay
- **J623** Engine control unit
- **SB2** Fuse 2 on fuse holder B
- **SC14** Fuse 14 on fuse holder C
- **SC15** Fuse 15 on fuse holder C
- **SC36** Fuse 36 on fuse holder C
- **T94** 94-pin connector, black
- **T94a** 94-pin connector
- **T94k** 94-pin connector, black
- **V55** Circulation pump

**B564** Connection 31, in main wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with petrol engine
- *3 Only models with cruise control system (CCS)
- *4 Only models with diesel engine
- *5 Only models with no air conditioning system/Climatronic
- *6 see applicable current flow diagram for air conditioning
- *7 see applicable current flow diagram for automatic air conditioning system

**Legend**
- 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

[Diagram of the current flow diagram for Amarok, No. 40/4, with labels and connections, and a table with additional notes about the models and systems covered.]
Alternator with voltage regulator, Heated rear window button, Fuse 4 on fuse holder B, Heated rear window

CX1 Alternator with voltage regulator
E230 Heated rear window button, near radio
J519 Onboard supply control unit
SA1 Fuse 1 in fuse holder A
SB4 Fuse 4 on fuse holder B
SC44 Fuse 44 on fuse holder C
T1g Single connector, black
T1h Single connector, black
T6ah 6-pin connector, brown
T18 18-pin connector, near engine control unit, black
T21a 21-pin connector, on relay carrier, brown
T73a 73-pin connector, black
T73b 73-pin connector, colourless
Z1 Heated rear window

12 Earth point, on left in engine compartment
110 Earth connection 2, in dash panel wiring harness

B569 Connection 36, in main wiring harness
* Only models with no air conditioning system/Climatronic
*2 see applicable current flow diagram for engine
*3 Only models with diesel engine
*4 Only models with petrol engine

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

https://www.automotive-manuals.net/
I. Ignition/starter switch

- **D** Ignition/starter switch
- **J16** Current supply relay
- **J519** Onboard supply control unit
- **SC8** Fuse 8 on fuse holder C
- **T6b** 6-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

**Schematic labels and connections:**
- **A57** Positive connection 3 (30), in dash panel wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B318** Positive connection 4 (30a) in main wiring harness
- **B489** Connection 25, in main wiring harness
- **B490** Connection 26, in main wiring harness

**Legend:**
- **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

**Current Flow Diagram**

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[Link to website: https://www.automotive-manuals.net/]
Steering column combination switch, Steering angle sender

- **E595** Steering column combination switch
- **G85** Steering angle sender
- **J519** Onboard supply control unit
- **SC42** Fuse 42 on fuse holder C
- **T41** 41-pin connector, grey
- **T73b** 73-pin connector, colourless

- **A2** Positive connection (15), in dash panel wiring harness
- **B316** Positive connection 2 (30a) in main wiring harness
- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B528** Connection 1 (LIN bus) in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
*2 Only models with cruise control system (CCS)
*3 If fitted
*4 Country specific
*5 Only models with Euro 5 emission standard
*6 Only models with manual window regulators
*7 Up to November 2011
*8 Only models with electric window regulators
*9 From November 2011
*10 Only models with start/stop system
*11 From July 2011

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

https://www.automotive-manuals.net/
Steering column combination switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit

- Steering column combination switch (E595)
- Airbag coil connector and return ring with slip ring (F138)
- Horn plate (H)
- Airbag control unit (J519)
- Onboard supply control unit (N95)
- Driver side airbag igniter (T12b)
- 12-pin connector, yellow (T12b)
- 41-pin connector, grey (T41)
- 50-pin connector, green (T50)
- 73-pin connector, black (T73a)
- From November 2011

Legend:
- 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

https://www.automotive-manuals.net/
Turn signal switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Steering column combination switch, Washer pump switch (automatic wash/wipe and headlight washer system)

- E Windscreen wiper switch
- E2 Turn signal switch
- E19 Parking light switch
- E22 Intermittent wiper switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E595 Steering column combination switch

J519 Onboard supply control unit
SC18 Fuse 18 on fuse holder C
8-pin connector, in rear left of engine compartment, black
41-pin connector, grey
73-pin connector, black
73-pin connector, colourless
Washer pump

Connection 16, in main wiring harness

* Up to November 2011
*2 From November 2011

Current Flow Diagram
No. 40 / 9

Turn signal switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Steering column combination switch, Washer pump

- E2 Turn signal switch
- E19 Parking light switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E595 Steering column combination switch

J519 Onboard supply control unit
SC18 Fuse 18 on fuse holder C
8-pin connector, in rear left of engine compartment, black
41-pin connector, grey
73-pin connector, black
73-pin connector, colourless
Washer pump

Connection 16, in main wiring harness

* Up to November 2011
*2 From November 2011

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

https://www.automotive-manuals.net/
Headlight dipper and flasher switch, Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Steering column combination switch

- **E4** Headlight dipper and flasher switch
- **E45** Cruise control system switch
- **E86** Multifunction display call-up button
- **E109** Multifunction display memory switch
- **E227** Cruise control system (CCS) SET button
- **E595** Steering column combination switch
- **J29** Blocking diode, near steering column
- **J519** Onboard supply control unit
- **SC32** Fuse 32 on fuse holder C
- **T1d** Single connector, red
- **T1e** Single connector, red
- **T41** 41-pin connector, grey
- **T73b** 73-pin connector, colourless

(B441) Connection (CCS), in main wiring harness

(B475) Connection 11, in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with petrol engine
*3 Only models with diesel engine
*4 Only models with multifunction display
*5 see applicable current flow diagram

- **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

[Current Flow Diagram](https://www.automotive-manuals.net/)
Driver door lock unit, Front passenger door lock unit

J519 Onboard supply control unit
T6b 6-pin connector, black
T6be 6-pin connector
T8a 8-pin connector, black
T8f 8-pin connector
T28a 28-pin connector, on left A-pillar, grey
T28b 28-pin connector, on right A-pillar, grey
T28v 28-pin connector, on left A-pillar, grey
T28w 28-pin connector, on right A-pillar, grey
T73a 73-pin connector, black
VX21 Driver door lock unit
VX22 Front passenger door lock unit

Earth connection, in driver door wiring harness
Earth connection, in front passenger door wiring harness

* Only models with no central locking
*2 Only left-hand drive models
*3 Only right-hand drive models
*4 Only models with cruise control system (CCS)

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

https://www.automotive-manuals.net/
Fuel tank filler flap central locking actuator, Rear left door lock unit, Rear right door lock unit

- **F219**: Fuel tank filler flap central locking actuator
- **J519**: Onboard supply control unit
- **T6c**: 6-pin connector, black
- **T6d**: 6-pin connector, grey
- **T28**: 28-pin connector, on left B-pillar, grey
- **T28c**: 28-pin connector, on right B-pillar, grey
- **T28t**: 28-pin connector, on left B-pillar, grey
- **T28u**: 28-pin connector, on right B-pillar, grey
- **T42**: 42-pin connector, near handbrake lever, black
- **T73a**: 73-pin connector, black
- **VX23**: Rear left door lock unit
- **VX24**: Rear right door lock unit

- **B214**: Connection 1 (central locking), in interior wiring harness
- **B466**: Connection 2, in main wiring harness

*Only models with no central locking*

**Legend:**
- **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

[Current Flow Diagram](https://www.automotive-manuals.net/)
Current Flow Diagram

Front interior light, Centre interior light

- J519 Onboard supply control unit
- SC21 Fuse 21 on fuse holder C
- T3 3-pin connector, black
- T3a 3-pin connector, black
- T3b 3-pin connector, black
- T73a 73-pin connector, black
- W1 Front interior light
- W7 Centre interior light
- 61 Earth point, left C-pillar
- 370 Earth connection 5, in main wiring harness
- A29 Connection (interior light), in dash panel wiring harness
- R4 Connection 1, in interior light/door contact switch wiring harness

* Only models with double cab
*2 Only models with Highline equipment
*3 Only models with basic equipment

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

https://www.automotive-manuals.net/
Current Flow Diagram

Hazard warning lights button, Treble horn, Bass horn

E229  Hazard warning lights button, near radio
H2    Treble horn
H7    Bass horn
J519  Onboard supply control unit
SC47  Fuse 47 on fuse holder C
T6f   6-pin connector, black
T21a  21-pin connector, on relay carrier, brown
T73a  73-pin connector, black

(B521) Connection (dual tone horn), in main wiring harness

* Only models with Highline equipment
*2 Only models with Trendline equipment
*3 Only models with basic equipment

ws = white
sw = black
ro = red
rt = red
br = brown
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
 currents flow diagram

Windscreen wiper motor

- J400: Wiper motor control unit
- J519: Onboard supply control unit
- SC43: Fuse 43 on fuse holder C
- T4e: 4-pin connector, black
- T73a: 73-pin connector, black
- T73b: 73-pin connector, colourless
- V: Windscreen wiper motor

- 44: Earth point, lower part of left A-pillar
- 372: Earth connection 7, in main wiring harness
- 377: Earth connection 12, in main wiring harness

* Up to November 2011
*2 From December 2011

Codes:
- 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

https://www.automotive-manuals.net/
Dash panel insert

- J285: Control unit in dash panel insert
- K: Dash panel insert
- K13: Rear fog light warning lamp
- T6d: 6-pin connector, on relay carrier, grey
- T32: 32-pin connector, blue

- 32: Earth point, on left behind dash panel
- 42: Earth point, next to steering column
- 371: Earth connection 6, in main wiring harness
- 372: Earth connection 7, in main wiring harness

* Up to November 2011
*2 see applicable current flow diagram
*3 From December 2011
*4 From November 2011

Legend:
- 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
Driver side belt switch, Brake fluid level warning contact, Coolant temperature display sender, Coolant temperature gauge, Ambient temperature sensor, Ambient temperature indicator, Multifunction indicator, Dash panel insert, Brake fluid level warning lamp, Driver side airbag deactivated warning lamp

- E24 Driver side belt switch
- F34 Brake fluid level warning contact
- G2 Coolant temperature display sender
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G106 Ambient temperature indicator
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K33 Brake fluid level warning lamp
- K144 Driver side airbag deactivated warning lamp
- T32 32-pin connector, blue

- 369 Earth connection 4, in main wiring harness
- 374 Earth connection 9, in main wiring harness
- 656 Earth point, on right headlight, on right on bulkhead

* Only models with multifunction display
*2 Only models with basic equipment
*3 Only models with no airbag
*4 see applicable current flow diagram for engine

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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
Fuel gauge, Fuel pump, Ignition and starter key warning system buzzer and gong, Fuel pump control unit, Dash panel insert, Reserve fuel warning lamp

G Fuel gauge sender
G1 Fuel gauge
G23 Fuel pump
H5 Ignition and starter key warning system buzzer and gong
J285 Control unit in dash panel insert
J538 Fuel pump control unit
K Dash panel insert
K105 Reserve fuel warning lamp
MX1 Front left headlight
MX3 Left tail light
SC16 Fuse 16 on fuse holder C
SC30 Fuse 30 on fuse holder C
T5g 5-pin connector, black
T5h 5-pin connector, black
T32 32-pin connector, blue
T42 42-pin connector, near handbrake lever, black

*B478 Connection 14, in main wiring harness
*B522 Connection (FL), in main wiring harness
* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine
*4 Only models with no start/stop system
*5 see applicable current flow diagram
*6 Only models with no towing bracket

**ws = white**
**sw = black**
**ro = red**
**rt = red**
**br = brown**
**gn = green**
**bl = blue**
**gr = grey**
**li = purple**
**vi = purple**
**ge = purple**
**or = orange**
**rs = pink**
Immobiliser reader coil, Oil pressure switch, Oil level and oil temperature sender, Dash panel insert, Oil pressure warning lamp, Oil level warning lamp

- **D2** Immobiliser reader coil, on ignition/starter switch
- **F1** Oil pressure switch
- **G266** Oil level and oil temperature sender
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K3** Oil pressure warning lamp
- **K38** Oil level warning lamp
- **K75** Airbag warning lamp
- **T3c** 3-pin connector, black
- **T18** 18-pin connector, near engine control unit, black
- **T32** 32-pin connector, blue
- **T42** 42-pin connector, near handbrake lever, black

- **28** Earth point, on bulkhead
- **68** Earth point, on left of rear cross member
- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **197** Earth connection 4, in rear wiring harness

* see applicable current flow diagram for engine
*2 Only models with Euro 5 emission standard
*3 If fitted
*4 Country specific
*5 Only models with diesel engine

ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
bn = green  
bl = blue  
gr = grey  
li = purple  
vfl = purple  
ge = yellow  
or = orange  
rs = pink
Light switch, Light 1 for front centre console background lighting, 12 V socket, Left washer jet heater element

- **E1** Light switch
- **L193** Light 1 for front centre console background lighting
- **SC2** Fuse 2 on fuse holder C
- **SC38** Fuse 38 on fuse holder C
- **SC59** Fuse 59 on fuse holder C
- **T2al** 2-pin connector, black
- **T2cj** 2-pin connector, near window wiper motor, black
- **T6a** 6-pin connector, on relay carrier, grey
- **T21a** 21-pin connector, on relay carrier, brown
- **T42** 42-pin connector, near handbrake lever, black
- **U5** 12 V socket
- **U18** 12 V socket 2
- **Z20** Left washer jet heater element
- **Z21** Right washer jet heater element

- **261** Earth connection, in heated washer jet wiring harness
- **A7** Positive connection (58 D1), in dash panel wiring harness
- **B472** Connection 8, in main wiring harness
- **B536** Connection 27, in main wiring harness
- **C72** Positive connection in heated washer jet wiring harness

* Special equipment
*2 Only models with Highline equipment

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

https://www.automotive-manuals.net/
Preparation for mobile telephone, (9W7)
From May 2011
Onboard supply control unit, Data bus diagnostic interface, Telephone controls control unit, Fuse 68 on fuse holder C

- **J519** Onboard supply control unit
- **J533** Data bus diagnostic interface
- **J738** Telephone controls control unit, under centre console
- **SC68** Fuse 68 on fuse holder C
- **T16** 16-pin connector, black
- **T20b** 20-pin connector, black
- **T54** 54-pin connector, black
- **T73b** 73-pin connector
- **U31** Diagnostic connection

**43** Earth point, lower part of right A-pillar
**367** Earth connection 2, in main wiring harness
**373** Earth connection 8, in main wiring harness

- **A146** Connection (convenience CAN bus, high), in dash panel wiring harness
- **A147** Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with start/stop system

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**Legend:**
- 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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https://www.automotive-manuals.net/
Emergency assistance call button, Telephone controls control unit, Radio/RNS, Telephone microphone

- E1: Light switch
- E276: Emergency assistance call button, near interior mirror
- J738: Telephone controls control unit, under centre console
- RX1: Radio/RNS
- R38: Telephone microphone
- T6kl: 6-pin connector
- T9: 9-pin connector, on relay carrier, yellow
- T21: 21-pin connector, on relay carrier, blue
- T54: 54-pin connector, black

- 61: Earth point, left C-pillar
- 370: Earth connection 5, in main wiring harness
- B340: Connection 1 (58d), in main wiring harness
- B472: Connection 8, in main wiring harness

* From November 2011
*2 Only models with no start/stop system

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
8-speed automatic gearbox with Tiptronic, CSHA,(G1G)
From September 2011
Tiptronic switch, Gearbox, Ignition key withdrawal lock solenoid, Fuse 58 on fuse holder C, Selector lever position display

- **F189** Tiptronic switch
- **J217** Automatic gearbox control unit
- **NX1** Gearbox, in gearbox
- **N110** Selector lever lock solenoid
- **N215** Automatic gearbox pressure regulating valve 1
- **N216** Automatic gearbox pressure regulating valve 2
- **N218** Automatic gearbox pressure regulating valve 4
- **N376** Ignition key withdrawal lock solenoid
- **SC58** Fuse 58 on fuse holder C
- **T10k** 10-pin connector, in centre console, near handbrake lever, black
- **T16q** 16-pin connector, black
- **T18a** 18-pin connector, near battery, grey
- **Y6** Selector lever position display

(B320) Positive connection 6 (30a) in main wiring harness

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

Sources:
- coupleman: https://www.automotive-manuals.net/
Light switch, Tiptronic switch, Gearbox

E1  Light switch
F189  Tiptronic switch
F305  Gear selector position P switch
F319  Selector lever locked in position P switch
J217  Automatic gearbox control unit
NX1  Gearbox, in gearbox
N217  Automatic gearbox pressure regulating valve 3
N233  Automatic gearbox pressure regulating valve 5
N371  Automatic gearbox pressure regulating valve 6
N380  Selector lever position P solenoid
N443  Automatic gearbox pressure regulating valve 7
SC31  Fuse 31 on fuse holder C
T10j  10-pin connector
T10k  10-pin connector, in centre console, near handbrake lever, black
T14b  14-pin connector, near battery, black
T16q  16-pin connector
T17  17-pin connector

* Only models with no start/stop system
*2 Only models with start/stop system
*3 From November 2011

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

https://www.automotive-manuals.net/
Dash panel insert, Gearbox

G93  Gearbox oil temperature sender
G182 Gearbox input speed sender
G195 Gearbox output speed sender
J119  Multipurpose indicator
J217 Automatic gearbox control unit
J285 Control unit in dash panel insert
J623 Engine control unit
K  Dash panel insert
NX1  Gearbox, in gearbox

T14b  14-pin connector, near battery, black
T16q  16-pin connector
T32  32-pin connector, blue
T94a  94-pin connector, black

*  Only models with start/stop system
*2 Only models with no start/stop system
*3 From November 2011

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

Current Flow Diagram

J519 Onboard supply control unit
J533 Data bus diagnostic interface
T16 16-pin connector
T20b 20-pin connector
T73b 73-pin connector
U31 Diagnostic connection
B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
B713 Connection 1 (CAN bus diagnosis, high), in main wiring harness
B714 Connection 1 (CAN bus diagnosis, low), in main wiring harness

* Only models with start/stop system
*2 Only models with no start/stop system
*3 From November 2011

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

https://www.automotive-manuals.net/
Electronic ignition lock

- D9  Electronic ignition lock
- J53  Starter motor relay
- J519  Onboard supply control unit
- M16  Left reversing light bulb
- M17  Right reversing light bulb
- T5i  5-pin connector
- T5k  5-pin connector
- T18a  18-pin connector, near battery, grey
- T73a  73-pin connector
- T73b  73-pin connector

W3  Connection in rear wiring harness
*  Only right-hand drive models
*2 Only left-hand drive models
*3 Only models with no start/stop system
*4 From November 2011

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

https://www.automotive-manuals.net/
2.0l diesel engine, CNEA, CSHA
From September 2011
Battery, Starter, Starter motor relay, Main relay

A Battery
B Starter
D Ignition/starter switch
J53 Starter motor relay
J271 Main relay, on relay carrier
T18a 18-pin connector, near engine control unit

1 Earth strap, battery - body
42 Earth point, next to steering column
44 Earth point, lower part of left A-pillar
366 Earth connection 1, in main wiring harness
371 Earth connection 6, in main wiring harness
A57 Positive connection 3 (30), in dash panel wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B479 Connection 15, in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

TV1 Wiring junction
* From November 2011

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

https://www.automotive-manuals.net/
Alternator with voltage regulator, Fuel pump relay, Terminal 30 voltage supply relay, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A

CX1 Alternator with voltage regulator  
J17 Fuel pump relay  
J317 Terminal 30 voltage supply relay, on relay carrier  
J493 Auxiliary coolant heater relay  
SA1 Fuse 1 in fuse holder A  
SA2 Fuse 2 in fuse holder A  
SB2 Fuse 2 on fuse holder B  
SA4 Fuse 4 in fuse holder A  
SA5 Fuse 5 in fuse holder A  
T2bc 2-pin connector  
T18 18-pin connector, near engine control unit, black  
V55 Circulation pump

*B564 Connection 31, in main wiring harness  
*B569 Connection 36, in main wiring harness  
*TV1 Wiring junction  
* see applicable current flow diagram for fuse assignment  
*2 Only models with no air conditioning system/Climatronic  
*3 Only for countries with hot climate

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

https://www.automotive-manuals.net/
Heater element for crankcase breather, Fuse 3 on fuse holder C, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 25 on fuse holder C

- J329 Terminal 15 voltage supply relay
- N79 Heater element for crankcase breather
- SC3 Fuse 3 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC25 Fuse 25 on fuse holder C

- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight
- A15 Positive connection (15), in instrument wiring harness
- B322 Positive connection 8 (30a) in main wiring harness

* Only models with crankcase breather heater element
*2 Only models with automatic gearbox

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

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https://www.automotive-manuals.net/
Fuse 5 on fuse holder C, Fuse 12 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C, Fuse 65 on fuse holder C

SC5  Fuse 5 on fuse holder C
SC12  Fuse 12 on fuse holder C
SC13  Fuse 13 on fuse holder C
SC14  Fuse 14 on fuse holder C
SC35  Fuse 35 on fuse holder C
SC36  Fuse 36 on fuse holder C
SC65  Fuse 65 on fuse holder C

(B571) Connection 38, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

J179  Automatic glow period control unit, near left headlight
J623  Engine control unit, near battery
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

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

Amarok
Current Flow Diagram
No. 43 / 6

https://www.automotive-manuals.net/
Lambda probe, Engine control unit

- **G39** Lambda probe
- **J623** Engine control unit, near battery
- **T6t** 6-pin connector, front right in engine compartment, black
- **T94a** 94-pin connector, black
- **Z19** Lambda probe heater

*Only models with Euro 5 emission standard*

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**Current Flow Diagram**

No. 43 / 7

Lambda probe, Engine control unit

G39  Lambda probe
J623  Engine control unit, near battery
T6t   6-pin connector, front right in engine compartment, black
T94a  94-pin connector, black
Z19   Lambda probe heater

*Only models with Euro 5 emission standard*
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83  Radiator outlet coolant temperature sender
- G235  Exhaust gas temperature sender 1
- G495  Exhaust gas temperature sender 3
- G648  Exhaust gas temperature sender 4
- J623  Engine control unit, near battery
- T2q  2-pin connector, black
- T2r  2-pin connector, orange
- T2s  2-pin connector, brown
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- T94a  94-pin connector, black

Connection 33, in main wiring harness
* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
gy = yellow
gn = grey
or = orange
rs = pink

https://www.automotive-manuals.net
Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve

J623  Engine control unit, near battery
N75   Charge pressure control solenoid valve
N220  Exhaust flap valve
N345  Exhaust gas recirculation cooler changeover valve
T18   18-pin connector, near engine control unit, black
T60   60-pin connector, black
T94a  94-pin connector, black

* Only models with Euro 5 emission standard
Current Flow Diagram

Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit

- G70  Air mass meter
- G79  Accelerator position sender
- G185 Accelerator position sender 2
- J623  Engine control unit, near battery
- T4i  4-pin connector, black
- T6ag 6-pin connector
- T94a 94-pin connector, black

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

Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

G31 Charge pressure sender  
G42 Intake air temperature sender  
G71 Intake manifold pressure sender  
G450 Exhaust gas pressure sensor 1  
J623 Engine control unit, near battery  
T3i 3-pin connector, black  
T4h 4-pin connector, black  
T4k 4-pin connector, black  
T18 18-pin connector, near engine control unit, black  
T94a 94-pin connector, black  
(B565) Connection 32, in main wiring harness  
(B567) Connection 34, in main wiring harness  
* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Brake light switch, Engine control unit

- **F**: Brake light switch
- **J104**: ABS control unit
- **J623**: Engine control unit, near battery
- **SC42**: Fuse 42 on fuse holder C
- **T4c**: 4-pin connector, black
- **T42**: 42-pin connector, near handbrake lever, black
- **T94a**: 94-pin connector, black
- **372**: Earth connection 7, in main wiring harness
- **375**: Earth connection 10, in main wiring harness
- **380**: Earth connection 15, in main wiring harness
- **A2**: Positive connection (15), in dash panel wiring harness
- **B482**: Connection 18, in main wiring harness

* Only models with Euro 5 emission standard
*2 From November 2011

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**Colors and Abbreviations**
- **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**

No. 43 / 12

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Radiator fan, Coolant circulation pump

- **J293**: Radiator fan control unit
- **J623**: Engine control unit, near battery
- **T3w**: 3-pin connector
- **T4k**: 4-pin connector, on radiator cowling, black
- **T94a**: 94-pin connector, black
- **V7**: Radiator fan
- **V50**: Coolant circulation pump

- **375**: Earth connection 10, in main wiring harness
- **655**: Earth point, on left headlight
- **B613**: Connection 41, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only for countries with hot climate

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

Current Flow Diagram

Amarok

No. 43 / 13

https://www.automotive-manuals.net/
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62  Coolant temperature sender
J623  Engine control unit, near battery
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T60  60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

G40  Hall sender
G212 Exhaust gas recirculation potentiometer
G247 Fuel pressure sender
G447 Charge pressure sender 2, on turbocharger air recirculation valve
J623 Engine control unit, near battery
N18 Exhaust gas recirculation valve
T3r 3-pin connector, on front of engine, black
T3s 3-pin connector, black
T3t 3-pin connector
T6ar 6-pin connector, black
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black

D101 Connection 1 in engine compartment wiring harness
D102 Connection 2 in engine compartment wiring harness
D103 Connection 3 in engine compartment wiring harness
D107 Connection 5 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Engine speed sender, Throttle valve potentiometer, Fuel temperature sender, Regulating flap potentiometer, Throttle valve module, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Intake manifold flap motor

- G28 Engine speed sender
- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G584 Regulating flap potentiometer
- J338 Throttle valve module
- J623 Engine control unit, near battery
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- T3q 3-pin connector, black
- T3u 3-pin connector, black
- T5m 5-pin connector
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- V157 Intake manifold flap motor

- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D106 Connection 4 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Cruise control system switch, Clutch pedal switch, Automatic gearbox control unit, Onboard supply control unit, Engine control unit

- **E45** Cruise control system switch
- **E595** Steering column combination switch
- **F36** Clutch pedal switch
- **J217** Automatic gearbox control unit
- **J519** Onboard supply control unit
- **J623** Engine control unit, near battery
- **T14b** 14-pin connector, near battery, black
- **T16a** 16-pin connector
- **T16q** 16-pin connector
- **T41** 41-pin connector, grey
- **T73a** 73-pin connector
- **T73b** 73-pin connector
- **T94a** 94-pin connector, black
- **U31** Diagnostic connection

**Connection 1 (powertrain CAN bus, high), in main wiring harness**

**Connection 1 (powertrain CAN bus, low), in main wiring harness**

**Connection (CCS), in main wiring harness**

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)
*3 Only models with automatic gearbox
*4 see applicable current flow diagram for automatic gearbox

ws = white
sw = black
ro = red
br = brown
gn = green
gi = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Oil level and oil temperature sender, Dash panel insert

- **F1** Oil pressure switch
- **G** Fuel gauge sender
- **G1** Fuel gauge
- **G3** Coolant temperature gauge
- **G5** Rev. counter
- **G6** Fuel system pressurisation pump
- **G266** Oil level and oil temperature sender
- **H3** Buzzer and gong
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K2** Alternator warning lamp
- **K3** Oil pressure warning lamp
- **K28** Coolant temperature and coolant shortage warning lamp
- **K29** Glow period warning lamp
- **K31** Cruise control system warning lamp
- **K38** Oil level warning lamp
- **K105** Reserve fuel warning lamp
- **K132** Electronic power control fault lamp
- **T3m** 3-pin connector
- **T5ag** 5-pin connector
- **T5o** 5-pin connector
- **T18** 18-pin connector, near engine control unit, black
- **T32** 32-pin connector, blue
- **T42** 42-pin connector, near handbrake lever, black

- **68** Earth point, on left of rear cross member
- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **374** Earth connection 9, in main wiring harness

* Only models with Euro 5 emission standard

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ws</td>
<td>white</td>
</tr>
<tr>
<td>sw</td>
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<tr>
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<td>red</td>
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<td>brown</td>
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<td>li</td>
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<tr>
<td>ge</td>
<td>yellow</td>
</tr>
<tr>
<td>or</td>
<td>orange</td>
</tr>
<tr>
<td>rs</td>
<td>pink</td>
</tr>
</tbody>
</table>

https://www.automotive-manuals.net/
2.0l diesel engine, CNEA, CSHA, (7L6)
From September 2011
Terminal 15 voltage supply relay, Voltage supply relay 2, Fuse 54 on fuse holder C

- J329: Terminal 15 voltage supply relay
- J710: Voltage supply relay 2
- SC54: Fuse 54 on fuse holder C
- T6d: 6-pin connector

- 44: Earth point, lower part of left A-pillar
- 366: Earth connection 1, in main wiring harness
- 372: Earth connection 7, in main wiring harness
- 379: Earth connection 14, in main wiring harness
- A104: Positive connection 2 (15), in dash panel wiring harness
- B315: Positive connection 1 (30a) in main wiring harness
- B485: Connection 21, in main wiring harness
- B490: Connection 26, in main wiring harness
- D78: Positive connection 1 (30a), in engine compartment wiring harness

* From November 2011

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ws = white
sw = black
ro = red
br = brown
gn = green
li = brown
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Battery, Starter, Starter relay 1, Starter relay 2, Fuse 1 in fuse holder A, Fuse 5 in fuse holder A

- **A** Battery
- **B** Starter
- **J906** Starter relay 1
- **J907** Starter relay 2
- **SA1** Fuse 1 in fuse holder A
- **SA2** Fuse 2 in fuse holder A
- **SA4** Fuse 4 in fuse holder A
- **SA5** Fuse 5 in fuse holder A
- **SC30** Fuse 30 on fuse holder C
- **T18a** 18-pin connector, near engine control unit

- **1** Earth strap, battery - body
- **A15** Positive connection (15), in instrument wiring harness
- **A192** Positive connection 3 (15a) in dash panel wiring harness
- **B479** Connection 15, in main wiring harness
- *** Only for countries with hot climate

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ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
bl = blue
li = purple
gle = yellow
or = orange
rs = pink
Alternator with voltage regulator, Fuel pump relay, Terminal 30 voltage supply relay, Battery monitor control unit, Auxiliary coolant heater relay, Data bus diagnostic interface, Fuse 2 on fuse holder B

- CX1 Alternator with voltage regulator
- J17 Fuel pump relay
- J317 Terminal 30 voltage supply relay, on relay carrier
- J367 Battery monitor control unit
- J493 Auxiliary coolant heater relay
- J533 Data bus diagnostic interface
- SB2 Fuse 2 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- T2bc 2-pin connector
- T5aq 5-pin connector
- T18 18-pin connector, near engine control unit, black
- V55 Circulation pump
- \( B231 \) Positive connection 5 (30a), in interior wiring harness
- \( B549 \) Connection 2 (LIN bus) in main wiring harness
- \( B564 \) Connection 31, in main wiring harness
* see applicable current flow diagram for air conditioning
  *2 Only models with manual gearbox
  *3 Only for countries with hot climate

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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
Voltage stabiliser, Data bus diagnostic interface, Fuse 16 on fuse holder C, Fuse 67 on fuse holder C

- J532 Voltage stabiliser
- J533 Data bus diagnostic interface
- RX1 Radio/RNS
- SC16 Fuse 16 on fuse holder C
- SC67 Fuse 67 on fuse holder C
- T10i 10-pin connector, on left wheel housing, black
- T12e 12-pin connector
- T20b 20-pin connector
- T21a 21-pin connector, on relay carrier, brown

- 368 Earth connection 3, in main wiring harness
- A145 Positive connection 4 (15), in dash panel wiring harness
- B259 Connection (start/stop signal), in interior wiring harness
- B319 Positive connection 5 (30a) in main wiring harness
- B729 Connection 1 (50), in main wiring harness

* see applicable current flow diagram

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gs = yellow
or = orange
rs = pink
Electronic ignition lock, Onboard supply control unit, Data bus diagnostic interface

- **D9**: Electronic ignition lock
- **J519**: Onboard supply control unit
- **J533**: Data bus diagnostic interface
- **T6f**: 6-pin connector
- **T20b**: 20-pin connector
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector

**Connection**
- **A146**: Connection (convenience CAN bus, high), in dash panel wiring harness
- **A147**: Connection (convenience CAN bus, low), in dash panel wiring harness
- **B383**: Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390**: Connection 1 (powertrain CAN bus, low), in main wiring harness

*2 Only models with automatic gearbox
*3 From November 2011

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**Legend**
- **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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https://www.automotive-manuals.net/
Cruise control system switch, Steering column combination switch, Data bus diagnostic interface, Diagnostic connection

- **E45**: Cruise control system switch
- **E595**: Steering column combination switch
- **J533**: Data bus diagnostic interface
- **T16**: 16-pin connector
- **T20b**: 20-pin connector
- **T41**: 41-pin connector
- **U31**: Diagnostic connection
- **B141**: Positive connection 1 (56a), in interior wiring harness
- **B383**: Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390**: Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B397**: Connection 1 (convenience CAN bus, high), in main wiring harness
- **B406**: Connection 1 (convenience CAN bus, low), in main wiring harness
- **B713**: Connection 1 (CAN bus diagnosis, high), in main wiring harness
- **B714**: Connection 1 (CAN bus diagnosis, low), in main wiring harness

* Only models with Climatronic
*2 Only models with cruise control system (CCS)
*3 From November 2011
*4 From July 2011

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

https://www.automotive-manuals.net/
Heater element for crankcase breather, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 25 on fuse holder C

- N79  Heater element for crankcase breather
- SC2  Fuse 2 on fuse holder C
- SC3  Fuse 3 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC25 Fuse 25 on fuse holder C

- 369  Earth connection 4, in main wiring harness
- 656  Earth point, on right headlight
- B322 Positive connection 8 (30a) in main wiring harness
- B536 Connection 27, in main wiring harness
- * Only models with crankcase breather heater element
- *2 Only models with automatic gearbox

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

https://www.automotive-manuals.net/
Main relay, Fuse 5 on fuse holder C, Fuse 12 on fuse holder C, Fuse 13 on fuse holder C, Fuse 14 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C, Fuse 65 on fuse holder C

- **J271** Main relay, on relay carrier
- **SC5** Fuse 5 on fuse holder C
- **SC12** Fuse 12 on fuse holder C
- **SC13** Fuse 13 on fuse holder C
- **SC14** Fuse 14 on fuse holder C
- **SC35** Fuse 35 on fuse holder C
- **SC36** Fuse 36 on fuse holder C
- **SC65** Fuse 65 on fuse holder C

- **B571** Connection 38, in main wiring harness
- * Only models with Euro 5 emission standard

**Current Flow Diagram**

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

https://www.automotive-manuals.net/
Current Flow Diagram

Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J179: Automatic glow period control unit
- J623: Engine control unit
- Q10: Glow plug 1
- Q11: Glow plug 2
- Q12: Glow plug 3
- Q13: Glow plug 4
- T18: 18-pin connector, near engine control unit, black
- T94a: 94-pin connector, black

Legend:

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit

G39  Lambda probe
J623  Engine control unit
T6t  6-pin connector, front right in engine compartment, black
T94a  94-pin connector, black
Z19  Lambda probe heater

* Only models with Euro 5 emission standard
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit
- T2q 2-pin connector, in front right wheel housing, black
- T2r 2-pin connector, in front right wheel housing, orange
- T2s 2-pin connector, in front right wheel housing, brown
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- T94a 94-pin connector, black

- B566 Connection 33, in main wiring harness
- B568 Connection 35, in main wiring harness

* Only models with Euro 5 emission standard

**Legend:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Light switch, Start/Stop operation button, Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve

- **E1** Light switch
- **E693** Start/Stop operation button
- **J623** Engine control unit
- **N75** Charge pressure control solenoid valve
- **N220** Exhaust flap valve
- **N345** Exhaust gas recirculation cooler changeover valve
- **T6bk** 6-pin connector
- **T10j** 10-pin connector
- **T18** 18-pin connector, near engine control unit, black
- **T21a** 21-pin connector, on relay carrier, brown
- **T60** 60-pin connector, black
- **T94a** 94-pin connector, black
- **110** Earth connection 2, in dash panel wiring harness
- **A7** Positive connection (58 D1), in dash panel wiring harness
- **B570** Connection 37, in main wiring harness
- **K8** Connection 1, in centre console wiring harness

*Only models with Euro 5 emission standard.*

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

Current Flow Diagram

Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit

- G70  Air mass meter
- G79  Accelerator position sender
- G185 Accelerator position sender 2
- J623 Engine control unit
- T4i  4-pin connector, black
- T6g  6-pin connector
- T94a 94-pin connector, black

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

https://www.automotive-manuals.net/
Brake light switch, Charge pressure sender, Intake air temperature sender, Engine control unit

- F  Brake light switch
- G31  Charge pressure sender
- G42  Intake air temperature sender
- J104  ABS control unit
- J623  Engine control unit
- T4c  4-pin connector, black
- T4g  4-pin connector
- T4k  4-pin connector
- T18  18-pin connector, near engine control unit, black
- T42  42-pin connector, near handbrake lever, black
- T94a  94-pin connector, black

- 371  Earth connection 6, in main wiring harness
- 380  Earth connection 15, in main wiring harness
- B482  Connection 18, in main wiring harness

* Only models with manual gearbox
*2 From November 2011

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

---

ws/ge T4k/1
ws/sw T4k/2
ws/br T4k/3
ws/gr T4k/4

---

sw/gn T4c/1
sw/bl T4c/2
sw/rt T4c/3
sw/gr T4c/4

---

w/ge T94a/1
w/sw T94a/2
w/br T94a/3
w/gr T94a/4

---

0.35 gn/ge 0.35 ws/ge 0.35 ws/sw 0.35 ws/br 0.35 ws/gr
0.35 gn/ge 0.35 ws/ge 0.35 ws/sw 0.35 ws/br 0.35 ws/gr
0.35 gn/ge 0.35 ws/ge 0.35 ws/sw 0.35 ws/br 0.35 ws/gr
0.35 gn/ge 0.35 ws/ge 0.35 ws/sw 0.35 ws/br 0.35 ws/gr
0.35 gn/ge 0.35 ws/ge 0.35 ws/sw 0.35 ws/br 0.35 ws/gr

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0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm
0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm
0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm 0.5 sw/mm
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T18 T18 T18 T18
T18 T18 T18 T18
T18 T18 T18 T18
T18 T18 T18 T18
T18 T18 T18 T18

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0.5 br 0.5 br 0.5 br 0.5 br 0.5 br
0.5 br 0.5 br 0.5 br 0.5 br 0.5 br
0.5 br 0.5 br 0.5 br 0.5 br 0.5 br
0.5 br 0.5 br 0.5 br 0.5 br 0.5 br
0.5 br 0.5 br 0.5 br 0.5 br 0.5 br
Intake manifold pressure sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Engine control unit

G71 Intake manifold pressure sender
G450 Exhaust gas pressure sensor 1
G701 Gearbox neutral position sender
J623 Engine control unit
T3d 3-pin connector, black
T3y 3-pin connector, black
T4h 4-pin connector, black
T14b 14-pin connector, near battery, black
T94a 94-pin connector, black

375 Earth connection 10, in main wiring harness
655 Earth point, on left headlight
B565 Connection 32, in main wiring harness
B567 Connection 34, in main wiring harness

* Only models with manual gearbox
*2 Only models with Euro 5 emission standard
*3 Only for countries with hot climate
*4 From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
g e = yellow
or = orange
rs = pink
Radiator fan control unit, Engine control unit, Radiator fan, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit
- T3w 3-pin connector, black
- T4g 4-pin connector
- T4k 4-pin connector, on radiator cowling, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump
- 375 Earth connection 10, in main wiring harness
- B613 Connection 41, in main wiring harness
- * Only for countries with hot climate

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

Current Flow Diagram

No. 44 / 17

https://www.automotive-manuals.net/
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62: Coolant temperature sender
J623: Engine control unit
N30: Injector, cylinder 1
N31: Injector, cylinder 2
N32: Injector, cylinder 3
N33: Injector, cylinder 4
T60: 60-pin connector, black

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

2H0-044181112

https://www.automotive-manuals.net/
Hall sender, Exhaust gas recirculation potentiometer, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G447 Charge pressure sender 2
- J623 Engine control unit
- N18  Exhaust gas recirculation valve
- T3q  3-pin connector, black
- T3r  3-pin connector, on front of engine, black
- T3t  3-pin connector, black
- T6ao 6-pin connector, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- D101 Connection 1 in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness

Hall sender, Exhaust gas recirculation potentiometer, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G447 Charge pressure sender 2
- J623 Engine control unit
- N18  Exhaust gas recirculation valve
- T3q  3-pin connector, black
- T3r  3-pin connector, on front of engine, black
- T3t  3-pin connector, black
- T6ao 6-pin connector, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- D101 Connection 1 in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Throttle valve potentiometer, Fuel temperature sender, Fuel pressure sender, Regulating flap potentiometer, Throttle valve module, Engine control unit, Intake manifold flap motor

- **G69** Throttle valve potentiometer
- **G81** Fuel temperature sender
- **G247** Fuel pressure sender
- **G584** Regulating flap potentiometer
- **J338** Throttle valve module
- **J623** Engine control unit
- **T3s** 3-pin connector, black
- **T3u** 3-pin connector
- **T5m** 5-pin connector
- **T60** 60-pin connector, black
- **V157** Intake manifold flap motor

**Connection 1 in engine compartment wiring harness**

**Connection 3 in engine compartment wiring harness**

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

Clutch pedal switch, Clutch pedal switch for stop/start system, Automatic gearbox control unit, Engine control unit, Fuel pressure regulating valve, Fuel metering valve

F36 Clutch pedal switch
F71 Clutch pedal switch for stop/start system
J217 Automatic gearbox control unit
J623 Engine control unit
N276 Fuel pressure regulating valve
N290 Fuel metering valve
T4be 4-pin connector, black
T14b 14-pin connector, near battery, black
T16 16-pin connector
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black

B441 Connection (CCS), in main wiring harness

D106 Connection 4 in engine compartment wiring harness

* Only models with manual gearbox
*2 Only models with cruise control system (CCS)
*3 see applicable current flow diagram for automatic gearbox
*4 From November 2011

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

https://www.automotive-manuals.net/
Fuel system pressurisation pump, Oil level and oil temperature sender, Dash panel insert, Fuse 42 on fuse holder C

- G Fuel gauge sender
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K132 Electronic power control fault lamp
- SC42 Fuse 42 on fuse holder C
- T3m 3-pin connector
- T5g 5-pin connector
- T32 32-pin connector
- T42 42-pin connector, near handbrake lever, black

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Oil pressure switch, Dash panel insert

- **F1** Oil pressure switch
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K3** Oil pressure warning lamp
- **K29** Glow period warning lamp
- **K31** Cruise control system warning lamp
- **K38** Oil level warning lamp
- **K105** Reserve fuel warning lamp
- **T18** 18-pin connector, near engine control unit, black
- **T32** 32-pin connector

* From July 2011

---

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

https://www.automotive-manuals.net/
Multifunction steering wheel
From July 2011
Steering column combination switch, Multifunction steering wheel control unit, Fuse 42 on fuse holder C, Fuse 45 on fuse holder C

E440  Multifunction buttons on left in steering wheel
E595  Steering column combination switch
F138  Airbag coil connector and return ring with slip ring
G85  Steering angle sender
J453  Multifunction steering wheel control unit, in steering wheel
J519  Onboard supply control unit
SC42  Fuse 42 on fuse holder C
SC45  Fuse 45 on fuse holder C
T5p  5-pin connector, black
T12b  12-pin connector, yellow
T41  41-pin connector, grey
T73b  73-pin connector

A2  Positive connection (15), in dash panel wiring harness
B316  Positive connection 2 (30a) in main wiring harness
B528  Connection 1 (LIN bus) in main wiring harness

*  Up to October 2011
*2  Only models with electric window regulators
*3  Only vehicles without electric window regulators
*4  Flat conductor
*5  From November 2011

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Current Flow Diagram

Steering column combination switch, Airbag control unit

- **E595**: Steering column combination switch
- **F138**: Airbag coil connector and return ring with slip ring
- **H**: Horn plate, in steering wheel
- **J234**: Airbag control unit
- **N95**: Driver side airbag igniter, in steering wheel
- **T1r**: Single connector
- **T1s**: Single connector
- **T1t**: Single connector
- **T1z**: Single connector
- **T6d**: 6-pin connector
- **T12b**: 12-pin connector
- **T41**: 41-pin connector, grey
- **T50**: 50-pin connector, black
- **F138**: Airbag coil connector and return ring with slip ring

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

Legend:
- 371: Earth connection 6, in main wiring harness
- 372: Earth connection 7, in main wiring harness
- *: From November 2011

https://www.automotive-manuals.net/
Seat heating
From November 2010

https://www.automotive-manuals.net/
Battery, Onboard supply control unit, Voltage supply relay 2, Fuse 2 in fuse holder A, Fuse 4 on fuse holder B, Fuse 57 on fuse holder C

A Battery
J519 Onboard supply control unit
J710 Voltage supply relay 2
SA2 Fuse 2 in fuse holder A
SB4 Fuse 4 on fuse holder B
SC57 Fuse 57 on fuse holder C
T73a 73-pin connector, black
T73b 73-pin connector

1 Earth strap, battery - body
44 Earth point, lower part of left A-pillar
372 Earth connection 7, in main wiring harness
379 Earth connection 14, in main wiring harness
B431 Connection (seat heating), in main wiring harness
B485 Connection 21, in main wiring harness
B490 Connection 26, in main wiring harness
D78 Positive connection 1 (30a), in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Light switch, Button for left seat heating, Button for right seat heating, Seat heating control unit

- **E1** Light switch
- **E653** Button for left seat heating
- **E654** Button for right seat heating
- **J882** Seat heating control unit
- **T6m** 6-pin connector, white
- **T6o** 6-pin connector, blue
- **T16b** 16-pin connector, black

- **B340** Connection 1 (58d), in main wiring harness
- **B342** Connection 3 (58d), in main wiring harness
- **B431** Connection (seat heating), in main wiring harness
- **B472** Connection 8, in main wiring harness

---

**Legend**

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Passenger compartment heater and ventilation system
From June 2012
Light switch, Heater/heat output switch, Fresh air and air recirculation flap control motor

- Light switch E1
- Heater/heat output switch E16
- Terminal 30 voltage supply relay J317
- Fuse 45 on fuse holder C SC45
- Fuse 58 on fuse holder C SC58
- Fuse 68 on fuse holder C SC68
- 5-pin connector, black T5
- 6-pin connector, blue T6am
- 16-pin connector, black T16g
- 17-pin connector, on left under dash panel, brown T17b
- 17-pin connector, on left under dash panel, black T17c
- Circulation pump V55
- Fresh air and air recirculation flap control motor V154
- Earth connection 3, in main wiring harness 368
- Earth point, on left headlight 655
- Positive connection (58 D1), in dash panel wiring harness A7
- Positive connection (75a), in dash panel wiring harness A12
- Positive connection 2 (30a) in main wiring harness B316
- Positive connection 6 (30a) in main wiring harness B320
- Connection 8, in main wiring harness B472

* From January 2013
*2 Up to December 2012

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

https://www.automotive-manuals.net/
Heater/heat output switch, Fresh air blower series resistor with overheating fuse, Fresh air blower

- **E16** Heater/heat output switch
- **N24** Fresh air blower series resistor with overheating fuse
- **T4z** 4-pin connector, black
- **T5** 5-pin connector, black
- **T16g** 16-pin connector, black
- **T17b** 17-pin connector, on left under dash panel, brown
- **V2** Fresh air blower

- **44** Earth point, lower part of left A-pillar
- **80** Earth connection 1, in dash panel wiring harness
- **377** Earth connection 12, in main wiring harness
- **A56** Positive connection 2 (30), in dash panel wiring harness

---

**Current Flow Diagram**

**V2**

- 4.0 sw/ge
- 2.5 swbl
- 2.5 sw/vi

**N24**

- 4.0 sw/ge
- 2.5 sw/ws
- 2.5 sw/vi

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<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Color</th>
</tr>
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<tbody>
<tr>
<td>ws</td>
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</tr>
<tr>
<td>sw</td>
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<tr>
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<td>purple</td>
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<td>ge</td>
<td>yellow</td>
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<tr>
<td>or</td>
<td>orange</td>
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<tr>
<td>rs</td>
<td>pink</td>
</tr>
</tbody>
</table>

https://www.automotive-manuals.net/
Climatic
From June 2012
Air conditioning system control unit, Air conditioner compressor regulating valve

- J301  Air conditioning system control unit
- N280  Air conditioner compressor regulating valve
- SC45  Fuse 45 on fuse holder C
- SC68  Fuse 68 on fuse holder C
- T5n  5-pin connector, black
- T17a  17-pin connector, behind glove compartment, black
- T17b  17-pin connector, on left under dash panel, brown
- T17c  17-pin connector, on left under dash panel
- T17e  17-pin connector, near handbrake lever, red
- T20  20-pin connector, black
- 28  Earth point, on bulkhead
- 68  Earth point, on left of rear cross member
- 86  Earth connection 1, in rear wiring harness
- 196  Earth connection 3, in rear wiring harness
- B316  Positive connection 2 (30a) in main wiring harness

*  Up to December 2012
*2  From January 2013

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Air conditioning system control unit, Auxiliary coolant heater relay, Fuse 62 on fuse holder C, Circulation pump

- J301 Air conditioning system control unit
- J493 Auxiliary coolant heater relay
- SC58 Fuse 58 on fuse holder C
- SC62 Fuse 62 on fuse holder C
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on left under dash panel, brown
- T20 20-pin connector, black
- V55 Circulation pump

- 368 Earth connection 3, in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with diesel engine
*2 Up to December 2012
*3 From January 2013

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

https://www.automotive-manuals.net/
Current Flow Diagram

Air conditioning system control unit, Fuse 15 on fuse holder C, Continued coolant circulation pump

J301 Air conditioning system control unit
J317 Terminal 30 voltage supply relay
J623 Engine control unit
SC15 Fuse 15 on fuse holder C
SC36 Fuse 36 on fuse holder C
T18 18-pin connector, near engine control unit, black
T94 94-pin connector, black
T94a 94-pin connector, black
V51 Continued coolant circulation pump

375 Earth connection 10, in main wiring harness
655 Earth point, on left headlight
B564 Connection 31, in main wiring harness
* Only models with diesel engine
*2 Only models with petrol engine
*3 From January 2013

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

https://www.automotive-manuals.net/
Current Flow Diagram

Air conditioning system control unit, Fresh air blower series resistor with overheating fuse, Fresh air blower

- J301  Air conditioning system control unit
- N24  Fresh air blower series resistor with overheating fuse
- T4ah 4-pin connector, black
- T5n 5-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on left under dash panel, brown
- T20 20-pin connector, black
- V2  Fresh air blower

- 80  Earth connection 1, in dash panel wiring harness
- 377  Earth connection 12, in main wiring harness
- L9  Connection 1, in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
High-pressure sender, Air conditioning system control unit, Onboard supply control unit, Fuse 42 on fuse holder C

G65  High-pressure sender
J301  Air conditioning system control unit
J519  Onboard supply control unit
SC42  Fuse 42 on fuse holder C
T3v  3-pin connector
T16  16-pin connector, black
T17a  17-pin connector, behind glove compartment, black
T17b  17-pin connector, on left under dash panel, brown
T20  20-pin connector, black
T73b  73-pin connector
U31  Diagnostic connection

44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
371  Earth connection 6, in main wiring harness
A2  Positive connection (15), in dash panel wiring harness
A146  Connection (convenience CAN bus, high), in dash panel wiring harness
A147  Connection (convenience CAN bus, low), in dash panel wiring harness
*  Only models with diesel engine
*2  From January 2013

\[ ws = \text{white} \]
\[ sw = \text{black} \]
\[ rs = \text{pink} \]
\[ br = \text{brown} \]
\[ gn = \text{green} \]
\[ bl = \text{blue} \]
\[ gr = \text{grey} \]
\[ li = \text{purple} \]
\[ ge = \text{yellow} \]
\[ or = \text{orange} \]
Potentiometer for defroster flap control motor, Air conditioning system control unit, Defroster flap control motor, Air recirculation flap control motor

G135  Potentiometer for defroster flap control motor
J301  Air conditioning system control unit
T6au  6-pin connector
T6ay  6-pin connector
T16k  16-pin connector, black
V107  Defroster flap control motor
V113  Air recirculation flap control motor

189  Earth connection 1, in heater wiring harness
L31   Connection (5V), in air conditioning system wiring harness

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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
Potentiometer for temperature flap control motor,
Potentiometer for footwell vent control motor, Air
conditioning system control unit, Temperature flap control
motor, Footwell flap control motor

G92 Potentiometer for temperature flap control motor
G468 Potentiometer for footwell vent control motor
J301 Air conditioning system control unit
T6aw 6-pin connector
T6ax 6-pin connector
T16k 16-pin connector, black
T20 20-pin connector, black
V68 Temperature flap control motor
V261 Footwell flap control motor

189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness
Centre vent temperature sender, Footwell vent temperature sender, Evaporator temperature sensor, Potentiometer for front air distribution control motor, Air conditioning system control unit, Air distribution flap control motor

- G191: Centre vent temperature sender
- G192: Footwell vent temperature sender
- G308: Evaporator temperature sensor
- G470: Potentiometer for front air distribution control motor
- J301: Air conditioning system control unit
- T6av: 6-pin connector
- T16k: 16-pin connector, black
- T20: 20-pin connector, black
- V428: Air distribution flap control motor
- L31: Connection (5V), in air conditioning system wiring harness
- 189: Earth connection 1, in heater wiring harness
- A69: Connection (31, air conditioning system/blower control), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Climatronic control unit, Circulation pump

- **J235** Coolant pump relay
- **J255** Climatronic control unit, in centre of dash panel
- **J493** Auxiliary coolant heater relay
- **SC62** Fuse 62 on fuse holder C
- **T16i** 16-pin connector, black
- **T17a** 17-pin connector, behind glove compartment, black
- **T17b** 17-pin connector, on relay carrier, brown
- **V55** Circulation pump
- **43** Earth point, lower part of right A-pillar
- **372** Earth connection 7, in main wiring harness
- **L62** Positive connection (30a), in auxiliary heater wiring harness

* Only models with petrol engine
*2 Only models with diesel engine

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

https://www.automotive-manuals.net/
Climatronic control unit, Continued coolant circulation pump

- **J255** Climatronic control unit, in centre of dash panel
- **J317** Terminal 30 voltage supply relay
- **J623** Engine control unit
- **SC15** Fuse 15 on fuse holder C
- **SC36** Fuse 36 on fuse holder C
- **T18** 18-pin connector, near engine control unit, black
- **T94** 94-pin connector, black
- **T94a** 94-pin connector, black
- **V51** Continued coolant circulation pump

- **368** Earth connection 3, in main wiring harness
- **375** Earth connection 10, in main wiring harness
- **655** Earth point, on left headlight
- **B564** Connection 31, in main wiring harness

* Only models with petrol engine
*2 Only models with diesel engine

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

*Only with models with petrol engine*

*Only with models with diesel engine*
High-pressure sender, Air quality sensor, Climatronic control unit, Fuse 42 on fuse holder C

- G65  High-pressure sender
- G238  Air quality sensor, near window wiper motor
- J255  Climatronic control unit, in centre of dash panel
- SC42  Fuse 42 on fuse holder C
- T3f  3-pin connector
- T3v  3-pin connector
- T17a  17-pin connector, behind glove compartment, black
- T17b  17-pin connector, on relay carrier, brown
- T20a  20-pin connector

- 42  Earth point, next to steering column
- 44  Earth point, lower part of left A-pillar
- 366  Earth connection 1, in main wiring harness
- 371  Earth connection 6, in main wiring harness
- A2  Positive connection (15), in dash panel wiring harness

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

https://www.automotive-manuals.net/
**Climatronic control unit, Onboard supply control unit, Air conditioner compressor regulating valve**

- **J255**: Climatronic control unit, in centre of dash panel
- **J519**: Onboard supply control unit
- **N280**: Air conditioner compressor regulating valve
- **T17a**: 17-pin connector, behind glove compartment, black
- **T17b**: 17-pin connector, on relay carrier, brown
- **T17e**: 17-pin connector, near handbrake lever, red
- **T20a**: 20-pin connector
- **T73b**: 73-pin connector, colourless

**Earth Points**

- **28**: Earth point, on bulkhead
- **68**: Earth point, on left of rear cross member
- **86**: Earth connection 1, in rear wiring harness
- **196**: Earth connection 3, in rear wiring harness

**Connections**

- **A146**: Connection (convenience CAN bus, high), in dash panel wiring harness
- **A147**: Connection (convenience CAN bus, low), in dash panel wiring harness

---

**Legend**

- **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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**Source:** https://www.automotive-manuals.net/
Potentiometer for defroster flap control motor,
Potentiometer for footwell vent control motor, Climatronic control unit, Defroster flap control motor, Footwell flap control motor

G135 Potentiometer for defroster flap control motor
G468 Potentiometer for footwell vent control motor
J255 Climatronic control unit, in centre of dash panel
T6bd 6-pin connector, black
T6bf 6-pin connector
T16I 16-pin connector, black
T16m 16-pin connector, brown
V107 Defroster flap control motor
V261 Footwell flap control motor

189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Potentiometer for left temperature flap control motor,
Potentiometer for right temperature flap control motor,
Climatronic control unit, Left temperature flap control motor,
Right temperature flap control motor

G220 Potentiometer for left temperature flap control motor
G221 Potentiometer for right temperature flap control motor
J255 Climatronic control unit, in centre of dash panel
T6bb 6-pin connector
T6be 6-pin connector
T16i 16-pin connector, black
T16m 16-pin connector, brown
V158 Left temperature flap control motor
V159 Right temperature flap control motor
189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Potentiometer for front air distribution control motor,
Potentiometer for fresh air/recirculated air, air flow flap control motor, Climatronic control unit, Fresh air and air recirculation flap control motor, Air distribution flap control motor

G470  Potentiometer for front air distribution control motor
G644  Potentiometer for fresh air/recirculated air, air flow flap control motor
J255  Climatronic control unit, in centre of dash panel
T6ba  6-pin connector
T6bc  6-pin connector
T16l  16-pin connector, black
T16m  16-pin connector, brown
V154  Fresh air and air recirculation flap control motor
V428  Air distribution flap control motor
189   Earth connection 1, in heater wiring harness
L31   Connection (5V), in air conditioning system wiring harness

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

Current Flow Diagram

No. 49 / 9

https://www.automotive-manuals.net/
Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Climatronic control unit

G107 Sunlight penetration photosensor
G150 Left vent temperature sender
G151 Right vent temperature sender
G261 Left footwell vent temperature sender
G262 Right footwell vent temperature sender
G308 Evaporator temperature sensor
J255 Climatronic control unit, in centre of dash panel
T4ai 4-pin connector, black
T16i 16-pin connector, black
T20a 20-pin connector
A69 Connection (31, air conditioning system/blower control), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Basic equipment
From June 2012
Current Flow Diagram

Battery, Starter, Terminal 15 voltage supply relay, Fuse holder A

- A Battery
- B Starter
- J329 Terminal 15 voltage supply relay
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SA2 Fuse 2 in fuse holder A
- SC6 Fuse 6 on fuse holder C
- T1y Single connector, black
- T18 18-pin connector, near engine control unit, black
- T18a 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
4. Earth strap, battery - body - gearbox
14. Earth point, on gearbox

A15 Positive connection (15), in instrument wiring harness
B479 Connection 15, in main wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

Legend:
- ws = white
- sw = black
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
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- rs = pink

https://www.automotive-manuals.net/
Starter motor relay, Terminal 58b relief relay, Voltage supply relay 2

- E1 Light switch
- J53 Starter motor relay
- J374 Terminal 58b relief relay
- J710 Voltage supply relay 2
- SC29 Fuse 29 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- SC57 Fuse 57 on fuse holder C
- SC69 Fuse 69 on fuse holder C
- T101 10-pin connector, on left under dash panel, blue

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B349 Connection 2 (75a), in main wiring harness
- B476 Connection 12, in main wiring harness
  * see applicable current flow diagram

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

https://www.automotive-manuals.net/
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit

- F36  Clutch pedal switch
- J17  Fuel pump relay
- J317 Terminal 30 voltage supply relay
- J623  Engine control unit
- SB2  Fuse 2 on fuse holder B
- SC14  Fuse 14 on fuse holder C
- SC15  Fuse 15 on fuse holder C
- SC36  Fuse 36 on fuse holder C
- T4bg  4-pin connector, black
- T94  94-pin connector, black
- T94a  94-pin connector, black
- V51  Continued coolant circulation pump
- V55  Circulation pump

- B277  Positive connection 1 (15a) in main wiring harness
- B315  Positive connection 1 (30a) in main wiring harness
- B332  Positive connection 18 (30a) in main wiring harness
- B564  Connection 31, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with petrol engine
*3 Only models with cruise control system (CCS)
*4 Only models with diesel engine
*5 Slot assignment, with no cruise control system (CCS)

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Alternator with voltage regulator, Fuse 4 on fuse holder B

CX1  Alternator with voltage regulator
J519  Onboard supply control unit
SB4  Fuse 4 on fuse holder B
T18  18-pin connector, near engine control unit, black
T73a 73-pin connector, black
T73b 73-pin connector, colourless

12  Earth point, on left in engine compartment
377  Earth connection 12, in main wiring harness
B569  Connection 36, in main wiring harness

*  see applicable current flow diagram for engine
*2  Only models with diesel engine
*3  Only models with petrol engine

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

https://www.automotive-manuals.net/
Electronic ignition lock

- D9  Electronic ignition lock
- J16  Current supply relay
- J29  Blocking diode, near steering column
- J519 Onboard supply control unit
- SC8  Fuse 8 on fuse holder C
- T1d  Single connector, red
- T1e  Single connector, red
- T6f  6-pin connector, black
- T73a  73-pin connector, black
- T73b  73-pin connector, colourless

- A104 Positive connection 2 (15), in dash panel wiring harness
- B276 Positive connection (50), in main wiring harness
- B318 Positive connection 4 (30a) in main wiring harness
- B489 Connection 25, in main wiring harness
- B490 Connection 26, in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with automatic gearbox

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

https://www.automotive-manuals.net/
Steering column combination switch, Steering angle sender

- E595 Steering column combination switch
- G85 Steering angle sender
- J519 Onboard supply control unit
- SC42 Fuse 42 on fuse holder C
- T41 41-pin connector, grey
- T73b 73-pin connector, colourless

- A2 Positive connection (15), in dash panel wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B528 Connection 1 (LIN bus) in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
*2 Only models with cruise control system (CCS)
*3 Only models with Euro 5 emission standard
*4 Only models with manual window regulators
*5 Only models with electric window regulators
*6 From November 2011
Steering column combination switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit

- **E595**: Steering column combination switch
- **F138**: Airbag coil connector and return ring with slip ring, on steering wheel
- **H**: Horn plate
- **J234**: Airbag control unit
- **J519**: Onboard supply control unit
- **N95**: Driver side airbag igniter
- **T12b**: 12-pin connector, yellow
- **T41**: 41-pin connector, grey
- **T50**: 50-pin connector, yellow
- **T73a**: 73-pin connector, black

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

Current Flow Diagram No. 50 / 8

https://www.automotive-manuals.net/
Turn signal switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Steering column combination switch, Washer pump

E  Windscreen wiper switch
E2  Turn signal switch
E19  Parking light switch
E22  Intermittent wiper switch
E44  Washer pump switch (automatic wash/wipe and headlight washer system)
E595  Steering column combination switch
J519  Onboard supply control unit
SC2  Fuse 2 on fuse holder C
SC18  Fuse 18 on fuse holder C
T8f  8-pin connector, in rear left of engine compartment, black
T41  41-pin connector, grey
T73a  73-pin connector, black
T73b  73-pin connector, colourless
V5  Washer pump

B480  Connection 16, in main wiring harness
B537  Connection 28, in main wiring harness
B538  Connection 29, in main wiring harness

current flow diagram

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

https://www.automotive-manuals.net/
Light switch, Headlight dipper and flasher switch, Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Steering column combination switch

- **E1** Light switch
- **E4** Headlight dipper and flasher switch
- **E45** Cruise control system switch
- **E86** Multifunction display call-up button
- **E109** Multifunction display memory switch
- **E227** Cruise control system (CCS) SET button
- **E595** Steering column combination switch
- **J25** Headlight relay
- **J519** Onboard supply control unit
- **SC24** Fuse 24 on fuse holder C
- **SC32** Fuse 32 on fuse holder C
- **T41** 41-pin connector, grey
- **T73b** 73-pin connector, colourless

**B441** Connection (CCS), in main wiring harness

**B475** Connection 11, in main wiring harness

- * Only models with cruise control system (CCS)
- *2 Only models with petrol engine
- *3 Only models with diesel engine
- *4 Only models with multifunction display
- *5 see applicable current flow diagram for exterior lighting

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>Light switch</td>
</tr>
<tr>
<td>114</td>
<td>Headlight dipper and flasher switch</td>
</tr>
<tr>
<td>115</td>
<td>Cruise control system switch</td>
</tr>
<tr>
<td>116</td>
<td>Multifunction display call-up button</td>
</tr>
<tr>
<td>117</td>
<td>Multifunction display memory switch</td>
</tr>
<tr>
<td>118</td>
<td>Steering column combination switch</td>
</tr>
<tr>
<td>119</td>
<td>Headlight relay</td>
</tr>
<tr>
<td>120</td>
<td>Onboard supply control unit</td>
</tr>
<tr>
<td>121</td>
<td>Fuse 24 on fuse holder C</td>
</tr>
<tr>
<td>122</td>
<td>Fuse 32 on fuse holder C</td>
</tr>
<tr>
<td>123</td>
<td>41-pin connector, grey</td>
</tr>
<tr>
<td>124</td>
<td>73-pin connector, colourless</td>
</tr>
</tbody>
</table>

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

https://www.automotive-manuals.net/
Driver door lock unit, Front passenger door lock unit

- J519 Onboard supply control unit
- SC66 Fuse 66 on fuse holder C
- T6b 6-pin connector, black
- T8a 8-pin connector, black
- T8f 8-pin connector, black
- T28a 28-pin connector, on left A-pillar, grey
- T28b 28-pin connector, on right A-pillar, grey
- T73a 73-pin connector, black
- VX21 Driver door lock unit
- VX22 Front passenger door lock unit

* Earth connection, in driver door wiring harness
*2 Only left-hand drive models
*3 Only right-hand drive models

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

Current Flow Diagram

No. 50 / 11

https://www.automotive-manuals.net/
Heated rear window button, Rear left door lock unit, Rear right door lock unit, Heated rear window

- E230  Heated rear window button, near radio
- J519  Onboard supply control unit
- SC44  Fuse 44 on fuse holder C
- T1g   Single connector, black
- T1h   Single connector, black
- T6ah  6-pin connector, brown
- T6c   6-pin connector, black
- T6d   6-pin connector, grey
- T17d  17-pin connector, on left under dash panel, red
- T28   28-pin connector, on left B-pillar, grey
- T28c  28-pin connector, on right B-pillar, grey
- T73a  73-pin connector, black
- T73b  73-pin connector, colourless
- VX23  Rear left door lock unit
- VX24  Rear right door lock unit
- Z1    Heated rear window

Earth connection 2, in dash panel wiring harness

* Only models with no air conditioning system/Climatronic
*2 Only models with no central locking

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Front interior light, Centre interior light

- **J519** Onboard supply control unit
- **SC21** Fuse 21 on fuse holder C
- **T3** 3-pin connector, black
- **T3b** 3-pin connector, black
- **T73a** 73-pin connector, black
- **W1** Front interior light
- **W7** Centre interior light

- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **A29** Connection (interior light), in dash panel wiring harness
- **R4** Connection 1, in interior light/door contact switch wiring harness

* Only models with double cab
*2 Only models with Highline equipment
*3 Only models with basic equipment

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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

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[Current Flow Diagram](https://www.automotive-manuals.net/)

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Page 16 / 13
Hazard warning lights button, Treble horn, Bass horn

E229  Hazard warning lights button, near radio
H2    Treble horn
H7    Bass horn
J519  Onboard supply control unit
SC47  Fuse 47 on fuse holder C
T6ai  6-pin connector, black, red
T17c  17-pin connector, on left under dash panel, black
T73a  73-pin connector, black

368  Earth connection 3, in main wiring harness
655  Earth point, on left headlight
B521  Connection (dual tone horn), in main wiring harness
*   Only models with Highline equipment
*2  Only models with Trendline equipment
*3  Only models with basic equipment

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
gel = yellow
or = orange
rs = pink
F4 Reversing light switch
J519 Onboard supply control unit
T6kp 6-pin connector, on interior mirror, black
T10l 10-pin connector, on left under dash panel, blue
T73a 73-pin connector, black
Y7 Automatic anti-dazzle interior mirror, on interior mirror

32 Earth point, on left behind dash panel
42 Earth point, next to steering column
371 Earth connection 6, in main wiring harness
B483 Connection 19, in main wiring harness

* see applicable current flow diagram for exterior lighting
*2 Only models with automatic driving lights control

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

https://www.automotive-manuals.net/
Dash panel insert, Windscreen wiper motor

- J285 Control unit in dash panel insert
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K13 Rear fog light warning lamp
- SC43 Fuse 43 on fuse holder C
- T4e 4-pin connector, black
- T32 32-pin connector, blue
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V Windscreen wiper motor

- 43 Earth point, lower part of right A-pillar
- 372 Earth connection 7, in main wiring harness

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

https://www.automotive-manuals.net/
Driver side belt switch, Brake fluid level warning contact, Coolant temperature display sender, Coolant temperature gauge, Ambient temperature sensor, Ambient temperature indicator, Multifunction indicator, Dash panel insert, Brake fluid level warning lamp, Driver side airbag deactivated warning lamp

E24  Driver side belt switch
F34  Brake fluid level warning contact
G2   Coolant temperature display sender
G3   Coolant temperature gauge
G17  Ambient temperature sensor
G106 Ambient temperature indicator
J119 Multifunction indicator
J285 Control unit in dash panel insert
K   Dash panel insert
K33  Brake fluid level warning lamp
K144 Driver side airbag deactivated warning lamp
T32  32-pin connector, blue

369  Earth connection 4, in main wiring harness
374  Earth connection 9, in main wiring harness
656  Earth point, on right headlight, on right on bulkhead

*  Only models with multifunction display
*2 Only models with basic equipment
*3 Only models with no airbag

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

https://www.automotive-manuals.net/
Fuel gauge, Fuel pump, Ignition and starter key warning system buzzer and gong, Fuel pump control unit, Dash panel insert, Reserve fuel warning lamp

- G Fuel gauge sender
- G1 Fuel gauge
- G23 Fuel pump
- H5 Ignition and starter key warning system buzzer and gong
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit
- K Dash panel insert
- K105 Reserve fuel warning lamp
- MX1 Front left headlight
- MX3 Left tail light
- MX4 Right tail light
- SC30 Fuse 30 on fuse holder C
- T5g 5-pin connector, black
- T5h 5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector, blue

* see applicable current flow diagram for engine
*2 Left-hand drive models
*3 Only right-hand drive models
*4 Only models with diesel engine
*5 Only models with petrol engine
*6 Only models with no start/stop system
*7 Only models with no towing bracket

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gc = yellow
or = orange
rs = pink
Immobiliser reader coil, Oil pressure switch, Oil level and oil temperature sender, Dash panel insert, Oil pressure warning lamp, Oil level warning lamp

- D2: Immobiliser reader coil, on ignition/starter switch
- F1: Oil pressure switch
- G266: Oil level and oil temperature sender
- J285: Control unit in dash panel insert
- K: Dash panel insert
- K3: Oil pressure warning lamp
- K38: Oil level warning lamp
- K75: Airbag warning lamp
- SC45: Fuse 45 on fuse holder C

- T3c: 3-pin connector, black
- T17e: 17-pin connector, near handbrake lever, red
- T18: 18-pin connector, near engine control unit, black
- T32: 32-pin connector, blue

**Earth points and connections:**
- 28: Earth point, on bulkhead
- 68: Earth point, on left of rear cross member
- 86: Earth connection 1, in rear wiring harness
- 196: Earth connection 3, in rear wiring harness
- 197: Earth connection 4, in rear wiring harness
- B316: Positive connection 2 (30a) in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with Euro 5 emission standard
*3 Only models with diesel engine

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Parking brake contact switch, Dash panel insert, Radio, Electric socket, Cigarette lighter

- F321 Parking brake contact switch
- J285 Control unit in dash panel insert
- K Dash panel insert
- K139 Handbrake warning lamp
- R Radio
- SC52 Fuse 52 on fuse holder C
- T3g 3-pin connector, grey
- T3h 3-pin connector, transparent
- T8 8-pin connector, brown
- T17b 17-pin connector, on left under dash panel, brown
- T32 32-pin connector, blue
- U Electric socket, on centre console switch module
- U1 Cigarette lighter, on centre console switch module

- 367 Earth connection 2, in main wiring harness
- 373 Earth connection 8, in main wiring harness
- B472 Connection 8, in main wiring harness
- B539 Connection 30, in main wiring harness

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

https://www.automotive-manuals.net/
Light switch, Light 1 for front centre console background lighting, 12 V socket 2, Left washer jet heater element

- **E1** Light switch
- **L193** Light 1 for front centre console background lighting, in dash panel
- **SC13** Fuse 13 on fuse holder C
- **SC59** Fuse 59 on fuse holder C
- **T2al** 2-pin connector, in rear left wheel housing, black
- **T2cj** 2-pin connector, near window wiper motor, black
- **T10m** 10-pin connector, near handbrake lever, brown
- **T17c** 17-pin connector, on left under dash panel, black
- **T17d** 17-pin connector, on left under dash panel, red
- **U18** 12 V socket 2, in centre of dash panel, in storage compartment
- **U19** 12 V socket 3, on left wheel housing
- **Z20** Left washer jet heater element
- **Z21** Right washer jet heater element

**261** Earth connection, in heated washer jet wiring harness

**A7** Positive connection (58 D1), in dash panel wiring harness

**B348** Connection 1 (75a), in main wiring harness

**B472** Connection 8, in main wiring harness

**B557** Positive connection 21 (30a) in main wiring harness

**C72** Positive connection in heated washer jet wiring harness

* Special equipment
*2 Only models with Highline equipment
*3 see applicable 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
CAN and LIN bus networking, powertrain CAN, diagnosis CAN, dash panel CAN, convenience CAN

From June 2012
Onboard supply control unit

- J104  ABS control unit
- J285  Control unit in dash panel insert
- J446  Parking aid control unit
- J519  Onboard supply control unit, near driver side A-pillar
- J623  Engine control unit
- K  Dash panel insert
- T16p  16-pin connector, brown
- T18a  18-pin connector, near battery, grey
- T32  32-pin connector, blue
- T47  47-pin connector, black
- T73b  73-pin connector, colourless
- T94  94-pin connector, black
- T94a  94-pin connector, black

B383  Connection 1 (powertrain CAN bus, high), in main wiring harness

B390  Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with diesel engine
*2 Gradually discontinued
*3 Only models with petrol engine
*4 Only models with automatic driving lights control

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

- E595 Steering column combination switch
- J187 Differential lock control unit
- J217 Automatic gearbox control unit
- J234 Airbag control unit
- J453 Multifunction steering wheel control unit
- J519 Onboard supply control unit, near driver side A-pillar
- J646 Transfer box control unit
- T5p 5-pin connector, black
- T8c 8-pin connector, black
- T12b 12-pin connector, yellow
- T16q 16-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T18b 18-pin connector, black
- T41 41-pin connector, grey
- T50 50-pin connector, yellow

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with electric window regulators
*2 Only models with manual window regulators

---

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
g = yellow
or = orange
rs = pink
Onboard supply control unit

- G24: Tachograph
- J345: Trailer detector control unit, on left under dash panel
- J364: Auxiliary heater control unit
- J519: Onboard supply control unit, near driver side A-pillar
- T6b: 6-pin connector, black
- T12: 12-pin connector, red
- T12f: 12-pin connector, black
- T17f: 17-pin connector, behind glove compartment, black
- T73b: 73-pin connector, colourless

Connection (convenience CAN bus, high), in dash panel wiring harness:
- A146

Connection (convenience CAN bus, low), in dash panel wiring harness:
- A147

Connection 1 (powertrain CAN bus, high), in main wiring harness:
- B383

Connection 1 (powertrain CAN bus, low), in main wiring harness:
- B390

Connection 1 (convenience CAN bus, high), in main wiring harness:
- B397

Connection 1 (convenience CAN bus, low), in main wiring harness:
- B406

- * Only models with no start/stop system
- *2 Only models with automatic driving lights control

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

Current Flow Diagram
No. 51 / 4
Amarok

https://www.automotive-manuals.net/
Onboard supply control unit
J255 Climatronic control unit
J301 Air conditioning system control unit
J503 Control unit with display for radio and navigation
J519 Onboard supply control unit, near driver side A-pillar
J702 Roof display unit, near front interior light
J738 Telephone controls control unit, under centre console
J772 Reversing camera system control unit
T8a 8-pin connector, black
T16r 16-pin connector
T17a 17-pin connector, behind glove compartment, black
T17b 17-pin connector, on left under dash panel, brown
T17c 17-pin connector, on left under dash panel
T20 20-pin connector, black
T20a 20-pin connector, black
T54a 54-pin connector
A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B398 Connection 2 (convenience CAN bus, high), in main wiring harness
B407 Connection 2 (convenience CAN bus, low), in main wiring harness
* Only models with reversing camera system

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

https://www.automotive-manuals.net/
Onboard supply control unit, Diagnostic connection

J519 Onboard supply control unit, near driver side A-pillar
R Radio
SC42 Fuse 42 on fuse holder C
SC45 Fuse 45 on fuse holder C
T8c 8-pin connector
T16 16-pin connector
T17b 17-pin connector, on left under dash panel, brown
T18a 18-pin connector, near battery, grey
T73b 73-pin connector, colourless
U31 Diagnostic connection, near lower part of right A-pillar

44 Earth point, lower part of left A-pillar
366 Earth connection 1, in main wiring harness
A2 Positive connection (15), in dash panel wiring harness
B316 Positive connection 2 (30a) in main wiring harness
B625 Connection (K-diagnosis wire), in main wiring harness

* From February 2013
*2 Gradually discontinued
*3 Up to January 2013

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

https://www.automotive-manuals.net/
Onboard supply control unit

- CX1: Alternator with voltage regulator
- G213: Rain sensor, near interior mirror
- G273: Interior monitoring sensor
- H12: Alarm horn
- J367: Battery monitor control unit
- J386: Driver door control unit
- J387: Front passenger door control unit
- J388: Rear left door control unit
- J389: Rear right door control unit
- J519: Onboard supply control unit, near driver side A-pillar

- T3aa: 3-pin connector, black
- T3i: 3-pin connector
- T4bc: 4-pin connector
- T16e: 16-pin connector
- T16f: 16-pin connector, black
- T16h: 16-pin connector, black
- T16i: 16-pin connector, black
- T28: 28-pin connector, on left B-pillar
- T28a: 28-pin connector, on left A-pillar
- T28b: 28-pin connector, on right A-pillar
- T28c: 28-pin connector, on right B-pillar
- T73b: 73-pin connector, colourless

For models with anti-theft alarm system:
- *2: Only models with electric window regulators
- *3: Only models with manual window regulators
- *4: Only models with stop/start system
- *5: see applicable current flow diagram for engine

Amarok Current Flow Diagram

Onboard supply control unit

- CX1: Alternator with voltage regulator
- G213: Rain sensor, near interior mirror
- G273: Interior monitoring sensor
- H12: Alarm horn
- J367: Battery monitor control unit
- J386: Driver door control unit
- J387: Front passenger door control unit
- J388: Rear left door control unit
- J389: Rear right door control unit
- J519: Onboard supply control unit, near driver side A-pillar

- T3aa: 3-pin connector, black
- T3i: 3-pin connector
- T4bc: 4-pin connector
- T16e: 16-pin connector
- T16f: 16-pin connector, black
- T16h: 16-pin connector, black
- T16i: 16-pin connector, black
- T28: 28-pin connector, on left B-pillar
- T28a: 28-pin connector, on left A-pillar
- T28b: 28-pin connector, on right A-pillar
- T28c: 28-pin connector, on right B-pillar
- T73b: 73-pin connector, colourless

*A209: Connection 1 (LIN bus) in dash panel wiring harness
*B528: Connection 1 (LIN bus) in main wiring harness
*B549: Connection 2 (LIN bus) in main wiring harness

* For models with anti-theft alarm system
*2: Only models with electric window regulators
*3: Only models with manual window regulators
*4: Only models with stop/start system
*5: see applicable current flow diagram for engine

ws = white
sw = black
ro = red
gn = green
br = brown
gf = grey
li = purple
gs = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Airbag systems
From June 2012
Current Flow Diagram

Airbag control unit, Front passenger side airbag deactivated warning lamp, Fuse 1 on fuse holder C

J234  Airbag control unit, under centre console
K145  Front passenger side airbag deactivated warning lamp, near radio
SC1   Fuse 1 on fuse holder C
T6ak  6-pin connector, white
T17d  17-pin connector, on left under dash panel
T50   50-pin connector, green

Pool Positive connection 1, in airbag wiring harness

* Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor

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

https://www.automotive-manuals.net/
Driver side belt switch, Key operated switch to deactivate front passenger side airbag, Airbag control unit, Dash panel insert

E24  Driver side belt switch
E224  Key operated switch to deactivate front passenger side airbag
J234  Airbag control unit, under centre console
J285  Control unit in dash panel insert
K  Dash panel insert
K75  Airbag warning lamp

T2yasx  2-pin connector, black
T6an  6-pin connector, black
T17d  17-pin connector, on left under dash panel
T32  32-pin connector, blue
T50  50-pin connector, green

109  Earth connection, in airbag wiring harness

(B383)  Connection 1 (powertrain CAN bus, high), in main wiring harness
(B390)  Connection 1 (powertrain CAN bus, low), in main wiring harness

*  Only models with key operated switch to deactivate front passenger airbag/ side airbag/ belt buckle sensor
*2  Only models with no side airbag, no front passenger airbag and no key operated switch

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

https://www.automotive-manuals.net/
Side airbag crash sensor on driver side, Side airbag crash sensor on front passenger side, Front airbag crash sensor for driver side, Front airbag crash sensor for front passenger side, Airbag control unit, Driver seat belt tensioner igniter 1

- **G179**: Side airbag crash sensor on driver side, on left B-pillar
- **G180**: Side airbag crash sensor on front passenger side, on right B-pillar
- **G283**: Front airbag crash sensor for driver side, near left headlight
- **G284**: Front airbag crash sensor for front passenger side, near right headlight
- **J234**: Airbag control unit, under centre console
- **N153**: Driver seat belt tensioner igniter 1
- **T2c**: 2-pin connector, yellow
- **T50**: 50-pin connector, green

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink

https://www.automotive-manuals.net/
Airbag control unit, Front passenger side airbag igniter 1, Front passenger seat belt tensioner igniter 1, Side airbag igniter on driver side, Side airbag igniter on front passenger side

J234  Airbag control unit, under centre console
N131  Front passenger side airbag igniter 1
N154  Front passenger seat belt tensioner igniter 1
N199  Side airbag igniter on driver side
N200  Side airbag igniter on front passenger side
T2ae  2-pin connector, yellow
T2k  2-pin connector, black
T2l  2-pin connector, black
T3k  3-pin connector, under driver seat, yellow
T3l  3-pin connector, Coupling point under front passenger seat, yellow
T17d  17-pin connector, on left under dash panel
T50  50-pin connector, green

312  Earth connection 2, in airbag wiring harness

*  Only models with front head-thorax airbag
*2  Only models with front passenger airbag

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

https://www.automotive-manuals.net/
Steering column combination switch, Airbag coil connector and return ring with slip ring, Airbag control unit, Driver side airbag igniter, Diagnostic connection

- E595 Steering column combination switch
- F138 Airbag coil connector and return ring with slip ring
- G85 Steering angle sender
- J234 Airbag control unit, under centre console
- N95 Driver side airbag igniter
- SC45 Fuse 45 on fuse holder C
- T12b 12-pin connector, yellow
- T16 16-pin connector, black
- T41 41-pin connector, grey
- T50 50-pin connector, green
- U31 Diagnostic connection, near driver side A-pillar

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- B316 Positive connection 2 (30a) in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
*2 Up to January 2013
*3 From February 2013

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

11.2012
https://www.automotive-manuals.net/
Anti-lock brake system (ABS) with electronic differential lock (EDL) and traction control system (TCS)
From June 2012
Brake light switch, ABS control unit, Fuse holder B, Fuse 1 on fuse holder B

A  Battery
F  Brake light switch
J104  ABS control unit
J623  Engine control unit
SB  Fuse holder B
SB1  Fuse 1 on fuse holder B
SB3  Fuse 3 on fuse holder B
SC42  Fuse 42 on fuse holder C
T4c  4-pin connector, black
T18a  18-pin connector, grey, near engine control unit
T47  47-pin connector, black
T94  94-pin connector, black
T94a  94-pin connector, black

1  Earth strap, battery - body
28  Earth point, on bulkhead
42  Earth point, next to steering column
44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
371  Earth connection 6, in main wiring harness
508  Threaded connection (30) on E-box

A2  Positive connection (15), in dash panel wiring harness

*  Only models with no ESP
*2 Only models with electronic stabilisation program (ESP)
*3 Only models with diesel engine
*4 Only models with petrol engine

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

**Amarok**

**Current Flow Diagram**

**No. 53 / 3**

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**TCS and ESP button, Driving program button, ABS control unit, Fuse 1 on fuse holder C**

- **E20**: Switch and instrument illumination regulator
- **E256**: TCS and ESP button
- **E598**: Driving program button
- **J104**: ABS control unit
- **SC1**: Fuse 1 on fuse holder C
- **SC28**: Fuse 28 on fuse holder C
- **T6c**: 6-pin connector, black
- **T6k**: 6-pin connector, grey, black
- **T6i**: 6-pin connector, red
- **T17e**: 17-pin connector, red, near handbrake lever
- **T47**: 47-pin connector, black

**Earth Points and Connections**

- **43**: Earth point, lower part of right A-pillar
- **367**: Earth connection 2, in main wiring harness
- **371**: Earth connection 6, in main wiring harness
- **373**: Earth connection 8, in main wiring harness
- **A38**: Positive connection 2 (15a) in dash panel wiring harness
- **B472**: Connection 8, in main wiring harness
  - * with auxiliary drive (part time)
  - *2 with no auxiliary drive
  - *3 Only models with electronic stabilisation program (ESP)
  - *4 Only models with no ESP
  - *5 Wiring colour depends on equipment
  - *6 Only models with basic equipment
  - *7 Only models with Trendline equipment
  - *8 Only models with Highline equipment

---

**Legend**

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

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**Notes**

https://www.automotive-manuals.net/
**ABS control unit, Onboard supply control unit, Dash panel insert, ABS warning lamp, Traction control system warning lamp, Driving program warning light**

J104  ABS control unit  
J285  Control unit in dash panel insert  
J519  Onboard supply control unit  
K  Dash panel insert  
K47  ABS warning lamp  
K86  Traction control system warning lamp  
K243  Driving program warning light  
T17e  17-pin connector, red, near handbrake lever  
T18a  18-pin connector, grey, near engine control unit  
T32  32-pin connector, blue  
T47  47-pin connector, black  
T73a  73-pin connector, black  
T73b  73-pin connector, colourless  
B383  Connection 1 (powertrain CAN bus, high), in main wiring harness  
B390  Connection 1 (powertrain CAN bus, low), in main wiring harness  
B397  Connection 1 (convenience CAN bus, high), in main wiring harness  
B406  Connection 1 (convenience CAN bus, low), in main wiring harness  
B482  Connection 18, in main wiring harness  

* According to equipment  
*2  see applicable current flow diagram for CAN bus network

**Legends**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
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<tbody>
<tr>
<td>ws</td>
<td>white</td>
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<tr>
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<td>rt</td>
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<td>ge</td>
<td>yellow</td>
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<tr>
<td>or</td>
<td>orange</td>
</tr>
<tr>
<td>rs</td>
<td>pink</td>
</tr>
</tbody>
</table>

**Links**

https://www.automotive-manuals.net/
ABS control unit, Diagnostic connection

J104  ABS control unit
T16   16-pin connector, black
T18a  18-pin connector, grey, near engine control unit
T47   47-pin connector, black
U31   Diagnostic connection

B625  Connection (K-diagnosis wire), in main wiring harness

*  Only models with no ESP
*2  with no auxiliary drive
*3  Only models with single cab
*4  with auxiliary drive (part time)
*5  with auxiliary drive (Torsen)
*6  Only models with double cab
*7  Gradually discontinued

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

https://www.automotive-manuals.net/
Rear right speed sensor, Front right speed sensor, Rear left speed sensor, Front left speed sensor, ABS control unit

- G44: Rear right speed sensor
- G45: Front right speed sensor
- G46: Rear left speed sensor
- G47: Front left speed sensor
- J104: ABS control unit
- T47: 47-pin connector, black

Legend:
- 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
All-wheel drive
From June 2012
Rear differential lock switch, Axle differential lock Hall sender 1, Differential lock control unit, Control solenoid, Fuse 11 on fuse holder C

- E121 Rear differential lock switch, in centre console
- G460 Axle differential lock Hall sender 1, on rear axle, left
- J187 Differential lock control unit, in centre console, near handbrake lever
- N5 Control solenoid, on rear axle, left
- SC11 Fuse 11 on fuse holder C
- T6n 6-pin connector, brown
- T6x 6-pin connector, on rear axle, left, black
- T17g 17-pin connector, near handbrake lever, black
- T18b 18-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 371 Earth connection 6, in main wiring harness

* Only models with rear differential lock
*2 From February 2013

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

https://www.automotive-manuals.net/
Differential lock control unit, Control unit in dash panel insert, Transfer box control unit, Rear axle differential lock warning lamp, Inter-axle lock-up warning lamp, Fuse 42 on fuse holder C

J187  Differential lock control unit, in centre console, near handbrake lever
J285  Control unit in dash panel insert
J646  Transfer box control unit
K    Dash panel insert
K276  Rear axle differential lock warning lamp
K277  Reduction gearing warning lamp
K278  Inter-axle lock-up warning lamp
SC42  Fuse 42 on fuse holder C
T16a  16-pin connector, brown
T18b  18-pin connector, black
T32   32-pin connector, blue
A2    Positive connection (15), in dash panel wiring harness
B383  Connection 1 (powertrain CAN bus, high), in main wiring harness
B390  Connection 1 (powertrain CAN bus, low), in main wiring harness
*     Only models with rear differential lock
*2    Only models with all-wheel drive
*3    From February 2013

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
gy = yellow
or = orange
rs = pink
Running gear program switch, Transfer box control unit, Normal operation warning lamp in transfer box operating unit, Reduction gearing warning lamp in transfer box operating unit, Inter-axle lock-up warning lamp in transfer box operating unit

- **E1** Light switch
- **E631** Running gear program switch, in centre console
- **J646** Transfer box control unit
- **K181** Normal operation warning lamp in transfer box operating unit
- **K182** Reduction gearing warning lamp in transfer box operating unit, in centre console
- **K183** Inter-axle lock-up warning lamp in transfer box operating unit
- **T6p** 6-pin connector, black
- **T6q** 6-pin connector, brown
- **T6r** 6-pin connector, brown
- **T16a** 16-pin connector, brown
- **43** Earth point, lower part of right A-pillar
- **367** Earth connection 2, in main wiring harness
- **373** Earth connection 8, in main wiring harness
- **B472** Connection 8, in main wiring harness

*Only models with all-wheel drive

**Legend:**
- **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

[Current Flow Diagram](https://www.automotive-manuals.net/)
Transfer box inter-axle lock-up switch, Hall sender for transfer box, Transfer box control unit, Fuse 46 on fuse holder C

- F438 Transfer box inter-axle lock-up switch
- G759 Hall sender for transfer box, on gearbox
- J646 Transfer box control unit
- SC46 Fuse 46 on fuse holder C

- T3n 3-pin connector, black
- T3x 3-pin connector, black
- T4d 4-pin connector, brown
- T16a 16-pin connector, brown
- T17g 17-pin connector, near handbrake lever, black

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness

* with auxiliary drive (part time)
*2 Only models with all-wheel drive

Legend:
- 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

https://www.automotive-manuals.net/
Transfer box control unit, Transfer box control motor

J646  Transfer box control unit
T4d  4-pin connector, brown
T4m  4-pin connector, black
T18a 18-pin connector, near engine control unit, grey
V455  Transfer box control motor, on gearbox
*  with auxiliary drive (part time)
*2  Up to January 2013
*3  From February 2013

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gi = purple
gi = purple
gy = yellow
or = orange
rs = pink
Auxiliary coolant heater, supplementary heater, supplementary heater which can be operated independently, (9M5), (7VL), (7VE)
From June 2012
Current Flow Diagram

Auxiliary heater relay, Auxiliary heater control unit

- GX1 Fuel delivery unit
- J8 Auxiliary heater relay
- J301 Air conditioning system control unit
- J364 Auxiliary heater control unit
- N24 Fresh air blower series resistor with overheating fuse
- SB2 Fuse 2 on fuse holder B
- T1z Single connector, black
- T2ch 2-pin connector, black
- T5g 5-pin connector, black
- T5n 5-pin connector
- T17d 17-pin connector, on left under dash panel, red
- T17e 17-pin connector, near handbrake lever, red
- V2 Fresh air blower

- B277 Positive connection 1 (15a) in main wiring harness
- L6 Connection 2, in evaporator housing unit wiring harness
- L9 Connection 1, in air conditioning system wiring harness

* Only models with diesel engine
*2 Only models with auxiliary coolant heater
*3 Only models with Climatic

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

https://www.automotive-manuals.net/
Auxiliary heater control unit, 2-way valve for coolant shut-off valve, Circulation pump

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>J364</td>
<td>Auxiliary heater control unit</td>
</tr>
<tr>
<td>N147</td>
<td>2-way valve for coolant shut-off valve, front left in engine compartment</td>
</tr>
<tr>
<td>SC62</td>
<td>Fuse 62 on fuse holder C</td>
</tr>
<tr>
<td>T2cf</td>
<td>2-pin connector, black</td>
</tr>
<tr>
<td>T2ci</td>
<td>2-pin connector</td>
</tr>
<tr>
<td>T6kn</td>
<td>6-pin connector, black</td>
</tr>
<tr>
<td>V55</td>
<td>Circulation pump</td>
</tr>
</tbody>
</table>

- 368: Earth connection 3, in main wiring harness
- 655: Earth point, on left headlight
- L62: Positive connection (30a), in auxiliary heater wiring harness
  - *: Only models with auxiliary coolant heater
  - *2: Only models with Climatronic
  - *3: Only models with Climatic
  - *4: Only models with no air conditioning system/Climatronic
  - *5: Only models with air conditioning system/ Climatronic
  - *6: see applicable current flow diagram for air conditioning

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

Current Flow Diagram No. 55 / 3

https://www.automotive-manuals.net/
Auxiliary heater control unit, Glow plug for heater, Remote control receiver for auxiliary coolant heater, Metering pump

- **J364**: Auxiliary heater control unit
- **Q9**: Glow plug for heater
- **R11**: Aerial
- **R149**: Remote control receiver for auxiliary coolant heater, near lower part of right A-pillar
- **T1am**: Single connector
- **T2aj**: 2-pin connector, light brown
- **T6kn**: 6-pin connector, black
- **T6ko**: 6-pin connector, blue
- **T18a**: 18-pin connector, grey
- **V54**: Metering pump
- **V178**: Coolant circulation pump 2

- **44**: Earth point, lower part of left A-pillar
- **68**: Earth point, on left of rear cross member
- **86**: Earth connection 1, in rear wiring harness
- **197**: Earth connection 4, in rear wiring harness
- **366**: Earth connection 1, in main wiring harness
  - * Only models with remote controlled auxiliary coolant heater
  - *2 Only models with Climatic

Legend:
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gf** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink

Current Flow Diagram

No. 55 / 4

https://www.automotive-manuals.net/
Current Flow Diagram

Auxiliary heater control unit, Onboard supply control unit, Roof display unit

- **J364** Auxiliary heater control unit
- **J519** Onboard supply control unit
- **J702** Roof display unit, near interior mirror
- **T6kn** 6-pin connector, black
- **T16** 16-pin connector, black
- **T16r** 16-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **U31** Diagnostic connection

**366** Earth connection 1, in main wiring harness

**A146** Connection (convenience CAN bus, high), in dash panel wiring harness

**A147** Connection (convenience CAN bus, low), in dash panel wiring harness

* Only models with auxiliary coolant heater

---

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

https://www.automotive-manuals.net/
Flame monitor, Overheating sensor, Coolant temperature sender for heater, Auxiliary heater control unit, Combustion air blower

G64 Flame monitor
G189 Overheating sensor
G241 Coolant temperature sender for heater
J364 Auxiliary heater control unit
V6 Combustion air blower

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

https://www.automotive-manuals.net/
Central locking, window regulators and mirror adjustment
From June 2012
Light switch, Onboard supply control unit

E1  Light switch
J519  Onboard supply control unit, near driver side A-pillar
SC66  Fuse 66 on fuse holder C
T73a  73-pin connector, black
T73b  73-pin connector

- 44  Earth point, lower part of left A-pillar
- 377  Earth connection 12, in main wiring harness
- B472  Connection 8, in main wiring harness
- B528  Connection 1 (LIN bus) in main wiring harness

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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

https://www.automotive-manuals.net/
Fuel tank filler flap central locking actuator, Onboard supply control unit, Fuse 19 on fuse holder C

F219  Fuel tank filler flap central locking actuator
J519  Onboard supply control unit, near driver side A-pillar
SC19  Fuse 19 on fuse holder C
T10m  10-pin connector, near handbrake lever, brown
T73a  73-pin connector, black
B214  Connection 1 (central locking), in interior wiring harness
B466  Connection 2, in main wiring harness

* Only models with heated exterior mirrors

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

https://www.automotive-manuals.net/
Central locking button, Onboard supply control unit

- E600 Central locking button, in driver door
- J519 Onboard supply control unit, near driver side A-pillar
- T4v 4-pin connector, black
- T28a 28-pin connector, on left A-pillar
- T73a 73-pin connector, black

- 205 Earth connection, in driver door wiring harness
- B467 Connection 3, in main wiring harness
- * Only models with double cab

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

Current Flow Diagram
No. 56 / 4

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Central locking SAFELOCK function warning lamp, Driver door lock unit

- E43: Mirror adjustment switch, in driver door
- J519: Onboard supply control unit, near driver side A-pillar
- K133: Central locking SAFELOCK function warning lamp
- T8e: 8-pin connector, black
- T10d: 10-pin connector, black
- T28a: 28-pin connector, on left A-pillar
- T73a: 73-pin connector, black
- T73b: 73-pin connector
- VX21: Driver door lock unit
- 734: Earth point in front left door
- R14: Connection 1 (open), in driver door wiring harness

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

Current Flow Diagram

Amarok

No. 56 / 5

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Fuse 33 on fuse holder C

- **E43**: Mirror adjustment switch, in driver door
- **J519**: Onboard supply control unit, near driver side A-pillar
- **SC33**: Fuse 33 on fuse holder C
- **T10d**: 10-pin connector, black
- **T28a**: 28-pin connector, on left A-pillar
- **R95**: Connection 2 in driver side door wiring harness
- **R96**: Connection 3 in driver side door wiring harness
- **Z2**: Connection 2, in mirror adjustment/heating wiring harness
- **Z4**: Positive connection (15a), in mirror adjustment/heating wiring harness

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Suppression filter, Driver door control unit, Onboard supply control unit, Fuse 48 on fuse holder C, Left window regulator motor, Heated exterior mirror on driver side

C10  Suppression filter, in left door  
J386  Driver door control unit  
J519  Onboard supply control unit, near driver side A-pillar  
SC48  Fuse 48 on fuse holder C  
T5o  5-pin connector  
T6ae  6-pin connector, in left door, near exterior mirror, blue  
T16e  16-pin connector  
T28a  28-pin connector  
V14  Left window regulator motor  
V17  Driver side mirror adjustment motor  
V149  Driver side mirror adjustment motor  
Z4  Heated exterior mirror on driver side  
740  Earth point 2 in front left door  
R95  Connection 2 in driver side door wiring harness  
R96  Connection 3 in driver side door wiring harness  
Z2  Connection 2, in mirror adjustment/heating wiring harness  
Z4  Positive connection (15a), in mirror adjustment/heating wiring harness

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

https://www.automotive-manuals.net/
Childproof lock button, Front driver side window regulator button, Rear driver side window regulator button, in driver door, Driver door control unit, Onboard supply control unit

E318  Childproof lock button
E710  Front driver side window regulator button
E712  Rear driver side window regulator button, in driver door
E714  Rear passenger side window regulator button, in driver door
E715  Front passenger side window regulator button, in driver door
J386  Driver door control unit
J519  Onboard supply control unit, near driver side A-pillar
K236  Warning light for activated childproof lock
L76  Button illumination bulb
T10e  10-pin connector
T16e  16-pin connector, black
R84  Connection 1 in driver side door wiring harness

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

Current Flow Diagram

Amarok

No. 56 / 8

https://www.automotive-manuals.net/
Current Flow Diagram

Front passenger side window regulator button, Front passenger door control unit, Onboard supply control unit, Fuse 49 on fuse holder C, Right window regulator motor, Front passenger door lock unit

- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- SC49 Fuse 49 on fuse holder C
- T4ab 4-pin connector
- T6af 6-pin connector
- T16f 16-pin connector
- T28b 28-pin connector, on right A-pillar
- T73a 73-pin connector, black
- V15 Right window regulator motor
- VX22 Front passenger door lock unit

- 206 Earth connection, in front passenger door wiring harness
- 735 Earth point in front right door

* Only models with single cab

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

https://www.automotive-manuals.net/
Onboard supply control unit, Heated exterior mirror on front passenger side

J519  Onboard supply control unit, near driver side A-pillar

T6aa 6-pin connector, in right door, near exterior mirror, blue

T28b  28-pin connector, on right A-pillar

T73a  73-pin connector, black

V25         Front passenger side mirror adjustment motor

V150    Front passenger side mirror adjustment motor

Z5        Heated exterior mirror on front passenger side

Connection (mirror adjustment/heating), in dash panel wiring harness

A63

T6aa 6-pin connector, in right door, near exterior mirror, blue

T28b  28-pin connector, on right A-pillar

T73a  73-pin connector, black

V25         Front passenger side mirror adjustment motor

V150    Front passenger side mirror adjustment motor

Z5        Heated exterior mirror on front passenger side

Connection (mirror adjustment/heating), in dash panel wiring harness

B215

Connection 2 (central locking), in interior wiring harness

* Only models with double cab

*2 Only models with single cab

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
g = yellow
or = orange
rs = pink
Rear driver side window regulator button, Rear left door control unit, Onboard supply control unit, Fuse 50 on fuse holder C, Rear left door lock unit, Rear left window regulator motor

E711 Rear driver side window regulator button, in rear left door
J388 Rear left door control unit
J519 Onboard supply control unit, near driver side A-pillar
SC50 Fuse 50 on fuse holder C
T4ae 4-pin connector, black
T6ar 6-pin connector, black
T16h 16-pin connector
T28 28-pin connector, on left B-pillar
T73a 73-pin connector, black
VX23 Rear left door lock unit
V26 Rear left window regulator motor

366 Earth connection 1, in main wiring harness
* Only models with SAFELOCK function
Rear passenger side window regulator button, Rear right door control unit, Onboard supply control unit, Fuse 51 on fuse holder C, Rear right door lock unit, Rear right window regulator motor

- **E713** Rear passenger side window regulator button, in rear right door
- **J389** Rear right door control unit
- **J519** Onboard supply control unit, near driver side A-pillar
- **SC51** Fuse 51 on fuse holder C
- **T4ag** 4-pin connector
- **T6as** 6-pin connector, black
- **T16i** 16-pin connector, black
- **T28c** 28-pin connector, on right B-pillar
- **T73a** 73-pin connector, black
- **VX24** Rear right door lock unit
- **V27** Rear right window regulator motor
  
  * Only models with SAFELOCK function

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References:

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Onboard supply control unit

J519  Onboard supply control unit, near driver side A-pillar

T73b  73-pin connector

43    Earth point, lower part of right A-pillar

367   Earth connection 2, in main wiring harness

372   Earth connection 7, in main wiring harness

378   Earth connection 13, in main wiring harness

Current Flow Diagram

No. 56 / 13

https://www.automotive-manuals.net/
Fuse assignment, (7L3)
From June 2012
Battery, Starter, Alternator with voltage regulator, Fuse holder A

- A Battery
- B Starter
- CX1 Alternator with voltage regulator
- J519 Onboard supply control unit
- J623 Engine control unit
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- T2bc 2-pin connector, black
- T18 18-pin connector, near engine control unit, black
- T18a 18-pin connector, near engine control unit, grey
- T73b 73-pin connector, colourless

1. Earth strap, battery - body
12. Earth point, on left in engine compartment
652. Earth point, engine and gearbox earth
B569. Connection 36, in main wiring harness

* See applicable current flow diagram for engine
*2. Only models with diesel engine
*3. Only models with petrol engine

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

https://www.automotive-manuals.net/
**Terminal 15 voltage supply relay, Fuse holder A**

- **D9** Electronic ignition lock
- **J329** Terminal 15 voltage supply relay
- **J519** Onboard supply control unit
- **SA** Fuse holder A
- **SA2** Fuse 2 in fuse holder A
- **SA3** Fuse 3 in fuse holder A
- **T73a** 73-pin connector, black

- **44** Earth point, lower part of left A-pillar
- **366** Earth connection 1, in main wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B333** Positive connection 19 (30a) in main wiring harness

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**Current Flow Diagram**

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**Terminal 15 voltage supply relay, Fuse holder A**

- **D9** Electronic ignition lock
- **J329** Terminal 15 voltage supply relay
- **J519** Onboard supply control unit
- **SA** Fuse holder A
- **SA2** Fuse 2 in fuse holder A
- **SA3** Fuse 3 in fuse holder A
- **T73a** 73-pin connector, black

- **44** Earth point, lower part of left A-pillar
- **366** Earth connection 1, in main wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B333** Positive connection 19 (30a) in main wiring harness

---

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

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https://www.automotive-manuals.net/
Automatic glow period control unit, Fuse holder A, Fuse 38 on fuse holder C, Radiator fan

J179  Automatic glow period control unit
J293  Radiator fan control unit
SA   Fuse holder A
SA4  Fuse 4 in fuse holder A
SA5  Fuse 5 in fuse holder A
SA6  Fuse 6 in fuse holder A
SC38  Fuse 38 on fuse holder C
T11   11-pin connector, black
V7    Radiator fan

B330  Positive connection 16 (30a) in main wiring harness
B331  Positive connection 17 (30a) in main wiring harness

* According to equipment
*2 Only models with diesel engine

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

https://www.automotive-manuals.net/
**ABS control unit, Fuse 1 on fuse holder B, Fuse 3 on fuse holder B, Fuse 4 on fuse holder B, Fuse 6 on fuse holder B**

- J104 ABS control unit
- J323 Blower relay
- J519 Onboard supply control unit
- J977 Terminal 30 relay
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T2by 2-pin connector, black
- T2bz 2-pin connector, black
- T6h 6-pin connector, in left footwell, near centre console, grey
- T18a 18-pin connector, near engine control unit, grey
- T47 47-pin connector, black
- T73b 73-pin connector, colourless
- V547 Air supply blower
- Z1 Heated rear window
  - * Only models with electric interface for external use
  - *2 see applicable current flow diagram for hardtop
  - *3 According to equipment

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

https://www.automotive-manuals.net/
**Current Flow Diagram**

- **F36**: Clutch pedal switch
- **J8**: Auxiliary heater relay
- **J17**: Fuel pump relay
- **J317**: Terminal 30 voltage supply relay
- **J623**: Engine control unit
- **SB**: Fuse holder B
- **SB2**: Fuse 2 on fuse holder B
- **T4bg**: 4-pin connector, black
- **T94**: 94-pin connector, black
- **T94a**: 94-pin connector, black
- **V55**: Circulation pump

**Notes:**
- See applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 Only models with petrol engine
- *4 See applicable current flow diagram for auxiliary coolant heater
- *5 Slot assignment, with no cruise control system (CCS)

**Color Codes:**
- **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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https://www.automotive-manuals.net/
Main relay, Fuse 14 on fuse holder C, Fuse 37 on fuse holder C, Fuse 56 on fuse holder C

- GX1: Fuel delivery unit, on fuel tank
- J271: Main relay
- N70: Ignition coil 1 with output stage
- N127: Ignition coil 2 with output stage
- N276: Fuel pressure regulating valve
- N291: Ignition coil 3 with output stage
- N292: Ignition coil 4 with output stage
- SC14: Fuse 14 on fuse holder C
- SC37: Fuse 37 on fuse holder C
- SC56: Fuse 56 on fuse holder C
- T17e: 17-pin connector, near handbrake lever, red
- T18: 18-pin connector, near engine control unit, black
- B350: Positive connection 1 (87a) in main wiring harness
- B351: Positive connection 2 (87a) in main wiring harness
- D108: Connection 6 in engine compartment wiring harness

* Only models with petrol engine
*2 Only models with diesel engine
*3 see applicable current flow diagram for engine

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

Current Flow Diagram

No. 57 / 7

Access https://www.automotive-manuals.net/ for more details.
Fuse 4 on fuse holder C, Fuse 5 on fuse holder C

- G70 Air mass meter
- J623 Engine control unit
- SC4 Fuse 4 on fuse holder C
- SC5 Fuse 5 on fuse holder C
- T4i 4-pin connector, black
- T94a 94-pin connector, black

- B352 Positive connection 3 (87a) in main wiring harness
- B568 Connection 35, in main wiring harness

* Only models with diesel engine
Fuse 2 on fuse holder C, Fuse 12 on fuse holder C, Fuse 71 on fuse holder C

- E595 Steering column combination switch
- N75 Charge pressure control solenoid valve
- N80 Activated charcoal filter solenoid valve 1
- N205 Camshaft control valve 1
- N249 Turbocharger air recirculation valve
- N276 Fuel pressure regulating valve
- N316 Intake manifold flap valve
- SC2 Fuse 2 on fuse holder C
- SC12 Fuse 12 on fuse holder C
- SC71 Fuse 71 on fuse holder C

**T6h** 6-pin connector, in left footwell, near centre console, grey

**T14a** 14-pin connector, front left in engine compartment, black

**T18** 18-pin connector, near engine control unit, black

**T41** 41-pin connector, grey

**V393** Supplementary fuel pump

- **B352** Positive connection 3 (87a) in main wiring harness
- **D106** Connection 4 in engine compartment wiring harness

* Only models with electric interface for external use
*2 Only models with diesel engine
*3 Only models with petrol engine

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**Legend:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- gf = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

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https://www.automotive-manuals.net/
Fuse 34 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

J623  Engine control unit
SC34  Fuse 34 on fuse holder C
SC35  Fuse 35 on fuse holder C
SC36  Fuse 36 on fuse holder C
T4f  4-pin connector, front right in engine compartment
T6q  6-pin connector, front right in engine compartment
T6t  6-pin connector, front right in engine compartment, black
T94  94-pin connector
V50  Coolant circulation pump
Z19  Lambda probe heater
Z29  Lambda probe 1 heater after catalytic converter
B353  Positive connection 4 (87a) in main wiring harness
B573  Connection 40, in main wiring harness
B613  Connection 41, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Fuse 1 on fuse holder C, Fuse 10 on fuse holder C

- **E1** Light switch
- **E256** TCS and ESP button
- **E598** Driving program button
- **F189** Tiptronic switch
- **G70** Air mass meter
- **J104** ABS control unit
- **J217** Automatic gearbox control unit
- **J234** Airbag control unit
- **K145** Front passenger side airbag deactivated warning lamp

- **SC1** Fuse 1 on fuse holder C
- **SC10** Fuse 10 on fuse holder C
- **T6k** 6-pin connector, black
- **T6l** 6-pin connector, red
- **T10j** 10-pin connector, black
- **T17d** 17-pin connector, on left under dash panel, red
- **T17e** 17-pin connector, near handbrake lever, red
- **T47** 47-pin connector, black

- **A38** Positive connection 2 (15a) in dash panel wiring harness
- **B279** Positive connection 3 (15a) in main wiring harness
- **B627** Positive connection 3 (15), in main wiring harness
- **U3** Connection 1, in automatic gearbox wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with automatic driving lights control
*4 Only models with petrol engine
*5 see applicable current current flow diagram for automatic gearbox

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Fuse 6 on fuse holder C, Fuse 16 on fuse holder C, Fuse 25 on fuse holder C, Fuse 31 on fuse holder C

- J345  Trailer detector control unit
- K13  Rear fog light warning lamp
- L46  Rear left fog light bulb
- L47  Rear right fog light bulb
- N79  Heater element for crankcase breather
- SC6  Fuse 6 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- T10h 10-pin connector, purple
- T12 12-pin connector, red
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector, blue
- A1  Positive connection (30a), in dash panel wiring harness
- B279 Positive connection 3 (15a) in main wiring harness
- B522 Connection (FL), in main wiring harness
  - * According to equipment
  - *2 Only models with electric interface for external use
  - *3 Only models with automatic driving lights control
  - *4 Only models with no automatic headlight control with coming home

Current Flow Diagram

No. 57 / 12

[Diagram showing fuse connections and labels]

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

https://www.automotive-manuals.net/
Fuse 42 on fuse holder C, Fuse 63 on fuse holder C

- E1  Light switch
- E45  Cruise control system switch
- E595  Steering column combination switch
- F  Brake light switch
- G65  High-pressure sender
- J187  Differential lock control unit
- J446  Parking aid control unit
- J646  Transfer box control unit
- K181  Normal operation warning lamp in transfer box operating unit
- K182  Reduction gearing warning lamp in transfer box operating unit
- K183  Inter-axle lock-up warning lamp in transfer box operating unit
- M25  Additional brake light bulb
- SC42  Fuse 42 on fuse holder C
- SC63  Fuse 63 on fuse holder C
- T4c  4-pin connector, black
- T17  17-pin connector, black
- T41  41-pin connector, grey
- U31  Diagnostic connection
- A2  Positive connection (15), in dash panel wiring harness
- B278  Positive connection 2 (15a) in main wiring harness

- * Only models with air conditioning system/ Climatronic
- *2 Only models with cruise control system

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

https://www.automotive-manuals.net/
Start/Stop operation button, Reversing light switch, Tachograph, Air quality sensor, Oil level and oil temperature sender

- E693: Start/Stop operation button
- F4: Reversing light switch
- G24: Tachograph
- G238: Air quality sensor
- G266: Oil level and oil temperature sender
- T6bk: 6-pin connector, brown
- T10l: 10-pin connector, blue
- T17a: 17-pin connector, behind glove compartment, black
- T17e: 17-pin connector, near handbrake lever, red
- T18a: 18-pin connector, near engine control unit, grey

- A2: Positive connection (15), in dash panel wiring harness
- A15: Positive connection (15), in instrument wiring harness

* Only models with Climatronic

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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
Headlight relay, Fuse 7 on fuse holder C, Fuse 53 on fuse holder C

- D9  Electronic ignition lock
- E595 Steering column combination switch
- J25  Headlight relay
- J519  Onboard supply control unit
- SC7  Fuse 7 on fuse holder C
- SC53  Fuse 53 on fuse holder C
- T6f  6-pin connector, black
- T10h  10-pin connector, purple
- T41  41-pin connector
- T73a  73-pin connector, black

- B315  Positive connection 1 (30a) in main wiring harness
- B326  Positive connection 12 (30a) in main wiring harness
- B489  Connection 25, in main wiring harness
- X130  Connection 3, in optional equipment wiring harness

* Only models with electric interface for external use
*2 Only models with start/stop system
*3 Only models with automatic driving lights control
*4 Only models with petrol engine
*5 Coming home with rain sensor

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Starter motor relay, Terminal 58b relief relay

- **D9**: Electronic ignition lock
- **J53**: Starter motor relay
- **J374**: Terminal 58b relief relay
- **B276**: Positive connection (50), in main wiring harness
- **B315**: Positive connection 1 (30a) in main wiring harness
- **B476**: Connection 12, in main wiring harness
- **B479**: Connection 15, in main wiring harness

*2*: Only models with Trendline equipment
*3*: Only models with basic equipment
*4*: Only models with no automatic headlight control with coming home

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Current Flow Diagram

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

https://www.automotive-manuals.net/
Fuse 28 on fuse holder C, Fuse 29 on fuse holder C, Fuse 55 on fuse holder C

- **E1** Light switch
- **E102** Headlight range control regulator
- **J519** Onboard supply control unit
- **M29** Left headlight dipped beam bulb
- **M31** Right headlight dipped beam bulb
- **SC28** Fuse 28 on fuse holder C
- **SC29** Fuse 29 on fuse holder C
- **SC55** Fuse 55 on fuse holder C
- **T6c** 6-pin connector
- **T10** 10-pin connector
- **T10c** 10-pin connector, black
- **T10h** 10-pin connector, purple
- **T10j** 10-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

- **B315** Positive connection 1 (30a) in main wiring harness
- **B486** Connection 22, in main wiring harness
- **B487** Connection 23, in main wiring harness
- **N2** Connection 1, in headlight range control wiring harness

* Only models with electric interface for external use
*2 Only models with headlight range control
*3 Only models with automatic driving lights control
*4 Only models with Highline equipment
*5 Coming home with rain sensor
*6 Only models with no automatic headlight control with coming home
*7 Only models with Trendline equipment
*8 Only models with basic equipment

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

- **Fuse 28 on fuse holder C**
- **Fuse 29 on fuse holder C**
- **Fuse 55 on fuse holder C**

https://www.automotive-manuals.net/
Fuse 26 on fuse holder C, Fuse 27 on fuse holder C, Fuse 60 on fuse holder C

- **E1**: Light switch
- **L22**: Left fog light bulb
- **L23**: Right fog light bulb
- **L174**: Left daytime running light bulb
- **L175**: Right daytime running light bulb
- **SC26**: Fuse 26 on fuse holder C
- **SC27**: Fuse 27 on fuse holder C
- **SC60**: Fuse 60 on fuse holder C
- **T10**: 10-pin connector, black
- **T10c**: 10-pin connector, black
- **T10h**: 10-pin connector, purple
- **T17**: 17-pin connector, black
- **A83**: Connection (daytime running lights), in dash panel wiring harness
- **B484**: Connection 20, in main wiring harness
- **X131**: Connection 4, in optional equipment wiring harness

* Only models with no automatic headlight control with coming home
*2 Only models with electric interface for external use
*3 Only models with daytime running lights
*4 Only models with automatic driving lights control

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

https://www.automotive-manuals.net/
Fuse 3 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 24 on fuse holder C, Fuse 61 on fuse holder C

E595 Steering column combination switch
SC3 Fuse 3 on fuse holder C
SC15 Fuse 15 on fuse holder C
SC23 Fuse 23 on fuse holder C
SC24 Fuse 24 on fuse holder C
SC61 Fuse 61 on fuse holder C
T41 41-pin connector, grey

Positive connection 7 (30a) in main wiring harness
* see applicable current flow diagram for engine

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

https://www.automotive-manuals.net/
Fuse 18 on fuse holder C, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C

- E595  Steering column combination switch
- J285  Control unit in dash panel insert
- J519  Onboard supply control unit
- K    Dash panel insert
- M30  Left headlight main beam bulb
- M32  Right headlight main beam bulb
- SC18  Fuse 18 on fuse holder C
- SC30  Fuse 30 on fuse holder C
- SC32  Fuse 32 on fuse holder C
- T8f  8-pin connector, in rear right of engine compartment, black
- T10  10-pin connector, black
- T10c  10-pin connector, black
- T32  32-pin connector, blue
- T41  41-pin connector, grey
- T73b  73-pin connector, colourless
- V5   Washer pump

- B475  Connection 11, in main wiring harness
- B477  Connection 13, in main wiring harness
- B478  Connection 14, in main wiring harness
- B480  Connection 16, in main wiring harness

* Only models with no electric interface

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

https://www.automotive-manuals.net/
Fuse 62 on fuse holder C, Fuse 65 on fuse holder C

- **J8** Auxiliary heater relay
- **J364** Auxiliary heater control unit
- **J519** Onboard supply control unit
- **M9** Left brake light bulb
- **M10** Right brake light bulb
- **M25** Additional brake light bulb
- **SC62** Fuse 62 on fuse holder C
- **SC65** Fuse 65 on fuse holder C
- **T17e** 17-pin connector, near handbrake lever, red
- **T28** 28-pin connector, near A-pillar
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **Z4** Heated exterior mirror on driver side
- **Z5** Heated exterior mirror on front passenger side

**A63** Connection (mirror adjustment/heating), in dash panel wiring harness

**B334** Positive connection 20 (30a) in main wiring harness

**B335** Connection 1 (54), in main wiring harness

**L62** Positive connection (30a), in auxiliary heater wiring harness

**W1** Positive connection 1 (54), in rear wiring harness

* Only models with air conditioning system/Climatronic
*2 see applicable current flow diagram for window regulators/basic equipment/convenience system
*3 Only models with Climatronic
*4 Only models with Climatic
*5 Only models with no air conditioning system/Climatronic
*6 see applicable current flow diagram for auxiliary coolant heater

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse 19 on fuse holder C, Fuse 20 on fuse holder C, Fuse 21 on fuse holder C, Fuse 43 on fuse holder C, Fuse 47 on fuse holder C, Fuse 48 on fuse holder C

- H2 Treble horn
- H7 Bass horn
- J386 Driver door control unit
- J519 Onboard supply control unit
- SC19 Fuse 19 on fuse holder C
- SC20 Fuse 20 on fuse holder C
- SC21 Fuse 21 on fuse holder C
- SC43 Fuse 43 on fuse holder C
- SC47 Fuse 47 on fuse holder C
- SC48 Fuse 48 on fuse holder C

- T3b 3-pin connector
- T28a 28-pin connector, in left A-pillar
- T28b 28-pin connector, on right A-pillar
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V Windscreen wiper motor
- W1 Front interior light
- W7 Centre interior light

- B327 Positive connection 13 (30a) in main wiring harness
- B328 Positive connection 14 (30a) in main wiring harness

* Only left-hand drive models
*2 Only right-hand drive models
*3 see applicable current flow diagram for basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse 49 on fuse holder C, Fuse 50 on fuse holder C, Fuse 51 on fuse holder C, Fuse 58 on fuse holder C

- F189 Tiptronic switch
- J217 Automatic gearbox control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- N376 Ignition key withdrawal lock solenoid
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T10k 10-pin connector, in left footwell, near centre console, purple
- T18a 18-pin connector, near engine control unit, grey
- T28 28-pin connector, near A-pillar
- T28a 28-pin connector, in left A-pillar
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector

- B320 Positive connection 6 (30a) in main wiring harness
- B329 Positive connection 15 (30a) in main wiring harness

* Only left-hand drive models
*2 Only right-hand drive models
*3 Only models with automatic gearbox

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Voltage supply relay 2, Fuse 54 on fuse holder C, Fuse 57 on fuse holder C, Fuse 69 on fuse holder C

D9  Electronic ignition lock
E1 Light switch
J519 Onboard supply control unit
J710 Voltage supply relay 2
J882 Seat heating control unit
SC54 Fuse 54 on fuse holder C
SC57 Fuse 57 on fuse holder C
SC69 Fuse 69 on fuse holder C
T10h 10-pin connector, purple
T16b 16-pin connector, black
T17 17-pin connector, black
T73b 73-pin connector, colourless

B349 Connection 2 (75a), in main wiring harness
B431 Connection (seat heating), in main wiring harness
B490 Connection 26, in main wiring harness

* Only models with electric interface for external use
Current supply relay, Fuse 13 on fuse holder C, Fuse 33 on fuse holder C, Fuse 72 on fuse holder C

- E43 Mirror adjustment switch
- E653 Button for left seat heating
- E654 Button for right seat heating
- J16 Current supply relay
- SC13 Fuse 13 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC72 Fuse 72 on fuse holder C
- T2cj 2-pin connector, near window wiper motor, black
- T6h 6-pin connector, in left footwell, near centre console, grey
- T6m 6-pin connector, white
- T6o 6-pin connector, blue
- T10j 10-pin connector, black
- T28a 28-pin connector, in left A-pillar
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- B346 Connection 1 (75), in main wiring harness
- B347 Connection 2 (75), in main wiring harness
- B490 Connection 26, in main wiring harness
- B557 Connection 21 (30a) in main wiring harness
- C72 Positive connection in heated washer jet wiring harness

* Only models with electric interface for external use
*2 Only models with fog lights

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

Current Flow Diagram
No. 57 / 27

https://www.automotive-manuals.net/
Fuse 9 on fuse holder C, Fuse 11 on fuse holder C, Fuse 52 on fuse holder C, Fuse 59 on fuse holder C, Fuse 68 on fuse holder C

J187 Differential lock control unit
M25 Additional brake light bulb
SC9 Fuse 9 on fuse holder C
SC11 Fuse 11 on fuse holder C
SC52 Fuse 52 on fuse holder C
SC59 Fuse 59 on fuse holder C
SC68 Fuse 68 on fuse holder C
T2al 2-pin connector, in rear left wheel housing, black
T3g 3-pin connector
T3h 3-pin connector, transparent
T6a 6-pin connector
T10m 10-pin connector, near handbrake lever, brown
T17a 17-pin connector, behind glove compartment, black
T17c 17-pin connector, on left under dash panel, black
T17d 17-pin connector, on left under dash panel, red
T18b 18-pin connector
U Electric socket, on centre console switch module
U1 Cigarette lighter, on centre console switch module
U18 12 V socket 2, in storage compartment, in centre of dash panel
U19 12 V socket 3, in rear left wheel housing
V2 Fresh air blower

(B323) Positive connection 9 (30a) in main wiring harness
(B346) Connection 1 (75), in main wiring harness
(B348) Connection 1 (75a), in main wiring harness
(B539) Connection 30, in main wiring harness

* Only models with no Climatronic
*2 see applicable current flow diagram for manually controlled heater
*3 Only models with air conditioning system

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

https://www.automotive-manuals.net/
Fuse 46 on fuse holder C, Fuse 66 on fuse holder C

J519 Onboard supply control unit
J646 Transfer box control unit
SC46 Fuse 46 on fuse holder C
SC66 Fuse 66 on fuse holder C
T4d 4-pin connector
T73a 73-pin connector

B324 Positive connection 10 (30a) in main wiring harness

* see applicable current flow diagram for basic equipment/ central locking

ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
gl = yellow
or = orange
rs = pink

Fuse 46 on fuse holder C, Fuse 66 on fuse holder C

J519 Onboard supply control unit
J646 Transfer box control unit
SC46 Fuse 46 on fuse holder C
SC66 Fuse 66 on fuse holder C
T4d 4-pin connector
T73a 73-pin connector

B324 Positive connection 10 (30a) in main wiring harness

* see applicable current flow diagram for basic equipment/ central locking
Steering column combination switch, Rain sensor, Interior monitoring sensor, Telephone controls control unit, Dash panel insert, Fuse 45 on fuse holder C, Diagnostic connection

- E595  Steering column combination switch
- G213  Rain sensor
- G273  Interior monitoring sensor
- G462  Sender for front Bitron blower regulation
- J255  Climatronic control unit
- J285  Control unit in dash panel insert
- J738  Telephone controls control unit
- K     Dash panel insert
- SC45  Fuse 45 on fuse holder C
- T3aa  3-pin connector, black
- T4bc  4-pin connector
- T16   16-pin connector, black
- T17a  17-pin connector, behind glove compartment, black
- T17b  17-pin connector, on left under dash panel, brown
- T32   32-pin connector, blue
- T41   41-pin connector, grey
- T54   54-pin connector
- U31   Diagnostic connection
- B316  Positive connection 2 (30a) in main wiring harness
- B324  Positive connection 10 (30a) in main wiring harness
- L21   Connection 1 (30), in Climatronic operating unit wiring harness
- *     Only models with Climatronic

- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Fuse 44 on fuse holder C, Fuse 64 on fuse holder C, Fuse 67 on fuse holder C

- J503 Control unit with display for radio and navigation
- J519 Onboard supply control unit
- R Radio
- SC44 Fuse 44 on fuse holder C
- SC64 Fuse 64 on fuse holder C
- SC67 Fuse 67 on fuse holder C
- T8a 8-pin connector, black
- T8c 8-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T17c 17-pin connector, on left under dash panel, black
- T73b 73-pin connector
- V2 Fresh air blower
- Z1 Heated rear window
- B325 Positive connection 11 (30a) in main wiring harness
- V28 Connection 1, in radio wiring harness

* According to equipment
*2 Only models with Climatronic
*3 Only models with electric interface for external use
Seat heating
From June 2012
Onboard supply control unit, Seat heating control unit, Fuse 57 on fuse holder C

- J519 Onboard supply control unit
- J882 Seat heating control unit
- SC57 Fuse 57 on fuse holder C
- T16b 16-pin connector, black
- T73a 73-pin connector, black

42 Earth point, next to steering column
372 Earth connection 7, in main wiring harness
B431 Connection (seat heating), in main wiring harness

* From January 2013

Current Flow Diagram No. 58 / 2

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

https://www.automotive-manuals.net/
Light switch, Button for left seat heating, Button for right seat heating, Seat heating control unit

- **E1** Light switch
- **E653** Button for left seat heating
- **E654** Button for right seat heating
- **J882** Seat heating control unit
- **SC13** Fuse 13 on fuse holder C
- **T6m** 6-pin connector, white
- **T6o** 6-pin connector, blue
- **T16b** 16-pin connector, black

- **B472** Connection 8, in main wiring harness
- **B557** Positive connection 21 (30a) in main wiring harness

* From January 2013

Legend:

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

Current Flow Diagram

https://www.automotive-manuals.net/
Seat heating control unit, Heated backrest for driver seat, Heated seat cushion for front passenger seat, Heated backrest for front passenger seat

- **J882** Seat heating control unit
- **T2bk** 2-pin connector, in seat, black
- **T2bl** 2-pin connector, in seat, black
- **T2bt** 2-pin connector, under seat on front left, black
- **T2bu** 2-pin connector, under seat on front right, black
- **T16b** 16-pin connector, black
- **Z6** Heated seat cushion for driver seat
- **Z7** Heated backrest for driver seat
- **Z8** Heated seat cushion for front passenger seat
- **Z9** Heated backrest for front passenger seat

- **43** Earth point, lower part of right A-pillar
- **367** Earth connection 2, in main wiring harness
- **373** Earth connection 8, in main wiring harness

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

 فهو يوضح التصميم الدقيق للوسائد الدافئة والمربوطات الدافئة للمسافرين، مع التسجيل في جزء من الكابلات الرئيسية للمنشأة، حيث يتم التعرف على الوسائد الدافئة وتوصيلاتها بما في ذلك الاتصالات الأفقية والعمودية.
Exterior lighting, (7L3), (8K0), (8K1)
From June 2012
Light switch

- E1 Light switch
- J374 Terminal 58b relief relay
- SC3 Fuse 3 on fuse holder C
- SC54 Fuse 54 on fuse holder C
- SC63 Fuse 63 on fuse holder C
- T10l 10-pin connector
- T17 17-pin connector, black

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness

* Only models with headlight range control
*2 Only models with Highline equipment
*3 Only models with fog lights

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

https://www.automotive-manuals.net/
Light switch, Fuse 16 on fuse holder C, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C, Fuse 60 on fuse holder C

- E1 Light switch
- SC16 Fuse 16 on fuse holder C
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T17 17-pin connector, black

- A83 Connection (daytime running lights), in dash panel wiring harness
- B522 Connection (FL), in main wiring harness

* Only models with daytime running lights
*2 Only models with fog lights
*3 Only models with no automatic headlight control with coming home
*4 Only models with automatic driving lights control
*5 Only models with no start/stop system
*6 Only models with electric interface for external use
*7 Only models with basic equipment

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

https://www.automotive-manuals.net/
Light switch, Switch and instrument illumination regulator, Headlight range control regulator, Fuse 28 on fuse holder C

E1 Light switch
E20 Switch and instrument illumination regulator
E102 Headlight range control regulator
SC17 Fuse 17 on fuse holder C
SC28 Fuse 28 on fuse holder C
T6c 6-pin connector, black
T17 17-pin connector, black

B472 Connection 8, in main wiring harness

N2 Connection 1, in headlight range control wiring harness

N3 Connection 2, in headlight range control wiring harness

* Only models with headlight range control
*2 Only models with dimmable instrument illumination
*3 Only models with automatic driving lights control
*4 Only models with Highline equipment
*5 Only models with no dimmable instrument illumination
*6 Only models with Trendline equipment
*7 Only models with basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
J519 Onboard supply control unit
T73a 73-pin connector, black
T73b 73-pin connector, colourless
* Only models with Highline equipment
*2 Only models with electric interface for external use
*3 Only models with basic equipment
*4 Only models with manual gearbox

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

https://www.automotive-manuals.net/
Onboard supply control unit, Front left headlight, Fuse 29 on fuse holder C

D9  Electronic ignition lock
J519  Onboard supply control unit
MX1  Front left headlight
M1  Left side light bulb
M29  Left headlight dipped beam bulb
M30  Left headlight main beam bulb
SC29  Fuse 29 on fuse holder C
SC30  Fuse 30 on fuse holder C
T10  10-pin connector
T73a  73-pin connector, black
V48  Left headlight range control motor

A104  Positive connection 2 (15), in dash panel wiring harness
B455  Connection (HRC), in main wiring harness
B474  Connection 10, in main wiring harness
B478  Connection 14, in main wiring harness
B486  Connection 22, in main wiring harness

* Only models with headlight range control

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

https://www.automotive-manuals.net/
Onboard supply control unit, Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- **J519** Onboard supply control unit
- **L22** Left fog light bulb
- **L174** Left daytime running light bulb
- **MX1** Front left headlight
- **M5** Front left turn signal bulb
- **M18** Left turn signal repeater bulb
- **T3e** 3-pin connector, in rear left of engine compartment, black
- **T10** 10-pin connector
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

- **368** Earth connection 3, in main wiring harness
- **655** Earth point, on left headlight, on left on bulkhead
- **B469** Connection 5, in main wiring harness
- **B484** Connection 20, in main wiring harness

* Only models with automatic driving lights control
*2 Only models with no start/stop system

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

https://www.automotive-manuals.net/
Onboard supply control unit, Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- **J519**  Onboard supply control unit
- **L23**  Right fog light bulb
- **MX2**  Front right headlight
- **M3**  Right side light bulb
- **M7**  Front right turn signal bulb
- **M19**  Right turn signal repeater bulb
- **T8f**  8-pin connector, in rear right of engine compartment, black
- **T10c**  10-pin connector, black
- **T73a**  73-pin connector, black
- **T73b**  73-pin connector, colourless

- **369**  Earth connection 4, in main wiring harness
- **376**  Earth connection 11, in main wiring harness
- **656**  Earth point, on right headlight, on right on bulkhead
- **B470**  Connection 6, in main wiring harness
- **B473**  Connection 9, in main wiring harness

* Only models with headlight range control
*2 Only models with automatic driving lights control
*3 Only models with no start/stop system
Front right headlight, Fuse 32 on fuse holder C, Fuse 55 on fuse holder C

- **L175**: Right daytime running light bulb
- **MX2**: Front right headlight
- **M31**: Right headlight dipped beam bulb
- **M32**: Right headlight main beam bulb
- **SC32**: Fuse 32 on fuse holder C
- **SC55**: Fuse 55 on fuse holder C
- **T10c**: 10-pin connector, black
- **V49**: Right headlight range control motor

- **B487**: Connection 23, in main wiring harness
  - *: Only models with headlight range control
  - **2**: Only models with no headlight range control

- **ws**: white
- **sw**: black
- **ro**: red
- **br**: brown
- **gn**: green
- **bl**: blue
- **gr**: grey
- **li**: purple
- **ge**: yellow
- **or**: orange
- **rs**: pink
Left tail light

L46  Rear left fog light bulb
MX3  Left tail light
M4   Left tail light bulb
M6   Rear left turn signal bulb
M9   Left brake light bulb
M16  Left reversing light bulb
T5i  5-pin connector, black
T14  14-pin connector, behind rear bumper on left, black
T17e 17-pin connector, near handbrake lever, red

28  Earth point, on bulkhead
68  Earth point, on left of rear cross member
66  Earth connection 1, in rear wiring harness

W1  Positive connection 1 (54), in rear wiring harness
*  see applicable current flow diagram for preparation for trailer coupling
*2  Only right-hand drive models
*3  Only models with no towing bracket
*4  Only left-hand drive models
*5  Only models with no rear fog light

ws = white  sw = black  ro = red  br = brown  gn = green  bl = blue  gr = grey  li = purple  ge = yellow  or = orange  rs = pink
Right tail light, Left number plate light, Right number plate light

- L47  Rear right fog light bulb
- M2   Right tail light bulb
- MX4  Right tail light
- M8   Rear right turn signal bulb
- M10  Right brake light bulb
- M17  Right reversing light bulb
- T5k  5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T18a 18-pin connector, near engine control unit, grey
- X4   Left number plate light
- X5   Right number plate light

- 86   Earth connection 1, in rear wiring harness
- 196  Earth connection 3, in rear wiring harness
- 197  Earth connection 4, in rear wiring harness
- W3   Connection in rear wiring harness

- W70  Positive connection 2 (58), in number plate wiring harness
  * Only right-hand drive models
  *2 Only models with no rear fog light
  *3 Only models with Highline equipment
  *4 Only models with Trendline equipment
  *5 Only models with basic equipment

Legend:
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Reversing light switch, Control unit in dash panel insert, Dash panel insert

- **F4**: Reversing light switch
- **J285**: Control unit in dash panel insert
- **K**: Dash panel insert
- **K1**: Main beam warning lamp
- **K13**: Rear fog light warning lamp
- **T17g**: 17-pin connector, near handbrake lever, black
- **T18a**: 18-pin connector, near engine control unit, grey
- **T32**: 32-pin connector, blue
- **B483**: Connection 19, in main wiring harness
- **B520**: Connection (RL), in main wiring harness

* Only models with manual gearbox
*2 Only models with no automatic headlight control with coming home

<table>
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<th>sw</th>
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<th>br</th>
<th>gn</th>
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<th>gr</th>
<th>li</th>
<th>ge</th>
<th>or</th>
<th>rs</th>
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<td>purple</td>
<td>yellow</td>
<td>orange</td>
<td>pink</td>
</tr>
</tbody>
</table>

https://www.automotive-manuals.net/
Steering column combination switch, Brake light switch, Engine control unit

- **E595** Steering column combination switch
- **F** Brake light switch
- **J623** Engine control unit
- **SC42** Fuse 42 on fuse holder C
- **T4c** 4-pin connector, black
- **T41** 41-pin connector, grey
- **T94** 94-pin connector, black
- **T94a** 94-pin connector, black

- **42** Earth point, next to steering column
- **371** Earth connection 6, in main wiring harness
- **A2** Positive connection (15), in dash panel wiring harness
- **B482** Connection 18, in main wiring harness

- * Only models with headlight range control
- *2 Only models with petrol engine
- *3 Only models with diesel engine
- *4 Only models with manual gearbox

---

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

https://www.automotive-manuals.net/
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- **E481** Load area illumination switch, near radio
- **L76** Button illumination bulb
- **M25** Additional brake light bulb
- **M53** Load area illumination bulb
- **SC9** Fuse 9 on fuse holder C
- **T6a** 6-pin connector
- **T6al** 6-pin connector
- **T17c** 17-pin connector, on left under dash panel, black
- **T17d** 17-pin connector, on left under dash panel, red

- **61** Earth point, left C-pillar
- **110** Earth connection 2, in dash panel wiring harness
- **370** Earth connection 5, in main wiring harness
- **A2** Positive connection (15), in dash panel wiring harness
- **A7** Positive connection (58 D1), in dash panel wiring harness
- **B335** Connection 1 (54), in main wiring harness

### Current Flow Diagram

- **E481** Load area illumination switch
- **L76** Button illumination bulb

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

[Visit the source link](https://www.automotive-manuals.net/)
Exterior lighting, (7L3), (7L6), (8k3), (8k8)
From June 2012
Light switch, Onboard supply control unit

- **E1** Light switch
- **J25** Headlight relay
- **J519** Onboard supply control unit
- **SC28** Fuse 28 on fuse holder C
- **SC53** Fuse 53 on fuse holder C
- **SC55** Fuse 55 on fuse holder C
- **T10j** 10-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

**X130** Connection 3, in optional equipment wiring harness

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Light switch, Onboard supply control unit

- **E1** Light switch
- **J519** Onboard supply control unit
- **J906** Starter relay 1
- **J907** Starter relay 2
- **SC1** Fuse 1 on fuse holder C
- **SC29** Fuse 29 on fuse holder C
- **SC63** Fuse 63 on fuse holder C
- **T10j** 10-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

- **A38** Positive connection 2 (15a) in dash panel wiring harness
- **A192** Positive connection 3 (15a) in dash panel wiring harness

* Only models with start/stop system
*2 Only models with no start/stop system

---

**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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https://www.automotive-manuals.net/
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20 Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- T6c 6-pin connector
- T73b 73-pin connector, colourless

- B472 Connection 8, in main wiring harness
  * Only models with dimmable instrument illumination
  *2 Only models with headlight range control
  *3 Only models with Trendline equipment
  *4 Only models with Highline equipment

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

Amarok

Current Flow Diagram

No. 60 / 4

https://www.automotive-manuals.net/
Onboard supply control unit, Front left headlight

- **D9**: Electronic ignition lock
- **J519**: Onboard supply control unit
- **MX1**: Front left headlight
- **M1**: Left side light bulb
- **M29**: Left headlight dipped beam bulb
- **T10**: 10-pin connector
- **T73a**: 73-pin connector, black
- **V48**: Left headlight range control motor

- **A104**: Positive connection 2 (15), in dash panel wiring harness
- **B455**: Connection (HRC), in main wiring harness
- **B474**: Connection 10, in main wiring harness
- **B486**: Connection 22, in main wiring harness

* Only models with headlight range control

---

**Color Codes**

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

*Current Flow Diagram No. 50 / 5*  
*https://www.automotive-manuals.net/*
Onboard supply control unit, Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- **J519**: Onboard supply control unit
- **L23**: Right fog light bulb
- **MX2**: Front right headlight
- **M7**: Front right turn signal bulb
- **M19**: Right turn signal repeater bulb
- **M31**: Right headlight dipped beam bulb
- **T8f**: 8-pin connector, in rear right of engine compartment, black
- **T10c**: 10-pin connector, black
- **T73b**: 73-pin connector, colourless

- **369**: Earth connection 4, in main wiring harness
- **656**: Earth point, on right headlight, on right on bulkhead
- **B470**: Connection 6, in main wiring harness
- **B484**: Connection 20, in main wiring harness
- **B487**: Connection 23, in main wiring harness

* Only models with headlight range control

---

**Legend**

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Onboard supply control unit, Front right headlight

- J519: Onboard supply control unit
- L175: Right daytime running light bulb
- MX2: Front right headlight
- M3: Right side light bulb
- M32: Right headlight main beam bulb
- SC32: Fuse 32 on fuse holder C
- T10c: 10-pin connector, black
- T73a: 73-pin connector, black
- V49: Right headlight range control motor

- Earth connection 11, in main wiring harness
- Connection 9, in main wiring harness
- Only models with headlight range control

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

https://www.automotive-manuals.net/
Onboard supply control unit

- J519 Onboard supply control unit
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

* Only models with manual gearbox
*2 Only models with automatic gearbox
*3 Only models with automatic driving lights control
*4 Only models with no start/stop system

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

ws/rt = white red
sw/gr = black grey
sw/br = black brown
sw/bl = black blue
sw/sb = black grey
sw/sw = black black
ws/wt = white white
ws/wh = white black
ws/ws = white white
ws/wt = white white
ws/w = white white
**Left tail light**

- **L46** Rear left fog light bulb
- **MX3** Left tail light
- **M4** Left tail light bulb
- **M6** Rear left turn signal bulb
- **M9** Left brake light bulb
- **M16** Left reversing light bulb
- **T5i** 5-pin connector
- **T14** 14-pin connector, behind rear bumper on left
- **T17e** 17-pin connector, near handbrake lever, red

- **28** Earth point, on bulkhead
- **68** Earth point, on left of rear cross member
- **66** Earth connection 1, in rear wiring harness

**W1** Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for preparation for trailer coupling
*2 Only right-hand drive models
*3 Only models with no towing bracket
*4 Only models with no rear fog light

---

**Legend**

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

---

[Current Flow Diagram](https://www.automotive-manuals.net/)
Right tail light, Left number plate light, Right number plate light

L47  Rear right fog light bulb
M2   Right tail light bulb
MX4  Right tail light
M8   Rear right turn signal bulb
M10  Right brake light bulb
M17  Right reversing light bulb
T5k  5-pin connector
T17e 17-pin connector, near handbrake lever, red
T18a 18-pin connector, near engine control unit, grey
X4   Left number plate light
X5   Right number plate light

86   Earth connection 1, in rear wiring harness
196  Earth connection 3, in rear wiring harness
197  Earth connection 4, in rear wiring harness
W3   Connection in rear wiring harness
W70  Positive connection 2 (58), in number plate wiring harness

*   Only right-hand drive models
*2  Only models with no rear fog light

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
gy = yellow
gs = grey
or = orange
rs = pink

https://www.automotive-manuals.net/
Reversing light switch, Dash panel insert, Automatic anti-dazzle interior mirror

- F4  Reversing light switch
- J285 Control unit in dash panel insert
- K  Dash panel insert
- K1  Main beam warning lamp
- K13 Rear fog light warning lamp
- SC30 Fuse 30 on fuse holder C
- T6kp 6-pin connector, on interior mirror, black
- T17g 17-pin connector, near handbrake lever, black
- T18a 18-pin connector, near engine control unit, grey
- T32 32-pin connector, blue
- Y7  Automatic anti-dazzle interior mirror

**Connection numbers:**
- B478 Connection 14, in main wiring harness
- B483 Connection 19, in main wiring harness
- B520 Connection (RL), in main wiring harness
- B522 Connection (FL), in main wiring harness

- * Only models with manual gearbox
- *2 Only models with no automatic headlight control with coming home
- *3 Only models with automatic gearbox
- *4 Only models with automatic driving lights control

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

Current Flow Diagram  No. 60 / 12
Steering column combination switch, Brake light switch, Fuse 42 on fuse holder C

- E595 Steering column combination switch
- F Brake light switch
- J217 Automatic gearbox control unit
- J623 Engine control unit
- SC42 Fuse 42 on fuse holder C
- T4c 4-pin connector
- T16q 16-pin connector
- T17g 17-pin connector, near handbrake lever, black
- T41 41-pin connector, grey
- T94 94-pin connector, black
- T94a 94-pin connector

- 42 Earth point, next to steering column
- 371 Earth connection 6, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- B482 Connection 18, in main wiring harness

* Only models with manual gearbox
*2 Only models with diesel engine
*3 Only models with petrol engine
*4 Only models with start/stop system
*5 Only models with automatic gearbox
*6 Only models with no start/stop system

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

https://www.automotive-manuals.net/
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- E481 Load area illumination switch, near radio
- L76 Button illumination bulb
- M25 Additional brake light bulb
- M53 Load area illumination bulb
- SC9 Fuse 9 on fuse holder C
- T6a 6-pin connector, black
- T6al 6-pin connector, blue
- T10l 10-pin connector, on relay carrier, blue
- T17c 17-pin connector, on relay carrier, black
- T17d 17-pin connector, on left under dash panel, red

- 44 Earth point, lower part of left A-pillar
- 61 Earth point, left C-pillar
- 110 Earth connection 2, in dash panel wiring harness
- 366 Earth connection 1, in main wiring harness
- 370 Earth connection 5, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness
- A7 Positive connection (58 D1), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness

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

https://www.automotive-manuals.net/
Electronic logbook, chip card reader unit
From June 2012
Current Flow Diagram

- **E1**: Light switch
- **E595**: Steering column combination switch
- **G24**: Tachograph
- **J285**: Control unit in dash panel insert
- **K**: Dash panel insert
- **SC42**: Fuse 42 on fuse holder C
- **SC45**: Fuse 45 on fuse holder C
- **T12f**: 12-pin connector, near handbrake lever, black
- **T17f**: 17-pin connector, near handbrake lever, blue
- **44**: Earth point, lower part of left A-pillar
- **110**: Earth connection 2, in dash panel wiring harness
- **366**: Earth connection 1, in main wiring harness
- **A2**: Positive connection (15), in dash panel wiring harness
- **B316**: Positive connection 2 (30a) in main wiring harness
- **B472**: Connection 8, in main wiring harness

*From February 2013*
Tachograph sender
- G24 Tachograph
- G75 Tachograph sender, on rear axle, right
- J519 Onboard supply control unit
- T4bf 4-pin connector, on underbody, near rear axle, black
- T8k 8-pin connector, colourless
- T8l 8-pin connector, yellow
- T12f 12-pin connector, near handbrake lever, black
- T17f 17-pin connector, near handbrake lever, blue
- T73b 73-pin connector, colourless
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

* Only models with automatic driving lights control
*2 Only models with no start/stop system
*3 Only models with no automatic headlight control with coming home
*4 Speed signal
*5 Data wire
*6 Only models with start/stop system

Current Flow Diagram

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

https://www.automotive-manuals.net/
Trailer coupling
From June 2012
Fuse 6 on fuse holder C, Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C

- J345  Trailer detector control unit
- SC6  Fuse 6 on fuse holder C
- SC39  Fuse 39 on fuse holder C
- SC40  Fuse 40 on fuse holder C
- SC41  Fuse 41 on fuse holder C
- T12  12-pin connector, red

- 44  Earth point, lower part of left A-pillar
- 372  Earth connection 7, in main wiring harness
  *  Cross-section 1.5 possible
  *2  From January 2013

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

Current Flow Diagram

No.  62 / 2

https://www.automotive-manuals.net/
Brake light switch, Diagnostic connection

- **F**: Brake light switch
- **J345**: Trailer detector control unit
- **J519**: Onboard supply control unit
- **T4c**: 4-pin connector
- **T12**: 12-pin connector, red
- **T16**: 16-pin connector
- **T73a**: 73-pin connector
- **T73b**: 73-pin connector
- **U31**: Diagnostic connection, near driver side A-pillar
- **A146**: Connection (convenience CAN bus, high), in dash panel wiring harness
- **A147**: Connection (convenience CAN bus, low), in dash panel wiring harness
- **B482**: Connection 18, in main wiring harness
  - "*: From January 2013
  - "*2": Only models with automatic driving lights control

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

Current Flow Diagram

No.  62 / 3

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Current Flow Diagram

No. 62 / 4

J345  Trailer detector control unit
T10m  10-pin connector, near handbrake lever, brown
T13   13-pin connector, black
T14   14-pin connector, behind rear bumper on left, black
T16n  16-pin connector, black
T17g  17-pin connector, near handbrake lever, black
U10   Trailer socket, on rear skirt

- 28  Earth point, on bulkhead
- 87  Earth connection 2, in rear wiring harness

* Only models with automatic driving lights control
*2 Only models with no automatic headlight control with coming home

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

https://www.automotive-manuals.net/
Dash panel insert, Rear left fog light bulb

- J285  Control unit in dash panel insert
- K  Dash panel insert
- L20  Rear fog light bulb
- L46  Rear left fog light bulb
- SC16  Fuse 16 on fuse holder C
- T3ab  3-pin connector, black
- T5i  5-pin connector
- T14  14-pin connector, behind rear bumper on left, black
- T17e  17-pin connector, near handbrake lever, red
- T32  32-pin connector, blue
- U5  12 V socket, near trailer socket

B522  Connection (FL), in main wiring harness

* Only models with no automatic headlight control with coming home
*2 Only models with rear fog light
*3 Push-in bridge
*4 Only models with preparation for trailer coupling
*5 From January 2013
*6 Only models with automatic driving lights control

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ws = white
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gy = yellow
or = orange
rs = pink

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https://www.automotive-manuals.net/
2.0l petrol engine, CFPA
From June 2012
Battery, Starter, Alternator with voltage regulator, Starter motor relay, Fuse 1 in fuse holder A

A Battery
B Starter
CX1 Alternator with voltage regulator
D Ignition/starter switch
J53 Starter motor relay
J519 Onboard supply control unit
SA Fuse holder A
SA1 Fuse 1 in fuse holder A
T18 18-pin connector, near engine control unit, grey
T73b 73-pin connector

1 Earth strap, battery - body
44 Earth point, lower part of left A-pillar
366 Earth connection 1, in main wiring harness
B276 Positive connection (50), in main wiring harness
B479 Connection 15, in main wiring harness

* From February 2013

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

https://www.automotive-manuals.net/
Current Flow Diagram

**Main relay, Engine control unit, Fuse 4 in fuse holder A**

- J271 Main relay
- J623 Engine control unit
- SA Fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA6 Fuse 6 in fuse holder A
- SC37 Fuse 37 on fuse holder C
- SC56 Fuse 56 on fuse holder C
- T94 94-pin connector, black

- (B315) Positive connection 1 (30a) in main wiring harness
- (B331) Positive connection 17 (30a) in main wiring harness
- (B350) Positive connection 1 (87a) in main wiring harness
- (B571) Connection 38, in main wiring harness

* Only for countries with hot climate
*2 From February 1995

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

https://www.automotive-manuals.net/
Engine control unit, Fuse 12 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

- J623 Engine control unit
- SC12 Fuse 12 on fuse holder C
- SC34 Fuse 34 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T94 94-pin connector, black

- B352 Positive connection 3 (87a) in main wiring harness
- B353 Positive connection 4 (87a) in main wiring harness
- B613 Connection 41, in main wiring harness
  * From February 2013

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ws = white
sw = black
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br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

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https://www.automotive-manuals.net/
Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 14 on fuse holder C, Fuse 15 on fuse holder C, Continued coolant circulation pump

J17 Fuel pump relay
J317 Terminal 30 voltage supply relay
J623 Engine control unit
SB2 Fuse 2 on fuse holder B
SC14 Fuse 14 on fuse holder C
SC15 Fuse 15 on fuse holder C
T18 18-pin connector, near engine control unit, grey
T94 94-pin connector, black
V51 Continued coolant circulation pump

(B332 Positive connection 18 (30a) in main wiring harness
(B564 Connection 31, in main wiring harness
* Only models with no Climatronic
*2 see applicable current flow diagram for automatic air conditioning system
*3 From February 2013
*4 From February 1995

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Cruise control system switch, Engine control unit, Fuse 10 on fuse holder C, Fuse 23 on fuse holder C

- **E45**: Cruise control system switch
- **J623**: Engine control unit
- **SC10**: Fuse 10 on fuse holder C
- **SC23**: Fuse 23 on fuse holder C
- **T18**: 18-pin connector, near engine control unit, grey
- **T41**: 41-pin connector
- **T94**: 94-pin connector, black

**Connectors**
- **375**: Earth connection 10, in main wiring harness
- **B441**: Connection (CCS), in main wiring harness
- **B627**: Positive connection 3 (15), in main wiring harness
- **D109**: Connection 7 in engine compartment wiring harness

* see applicable current flow diagram for basic equipment

*2 Only models with cruise control system (CCS)
Engine control unit, Ignition coil 1 with output stage, Ignition coil 2 with output stage, Ignition coil 3 with output stage, Ignition coil 4 with output stage, Spark plug connector, Spark plug 1, Spark plug 2, Spark plug 3, Spark plug 4

J623  Engine control unit
N70   Ignition coil 1 with output stage
N127  Ignition coil 2 with output stage
N291  Ignition coil 3 with output stage
N292  Ignition coil 4 with output stage
P     Spark plug connector
Q23   Spark plug 1
Q24   Spark plug 2
Q25   Spark plug 3
Q26   Spark plug 4
T18   18-pin connector, near engine control unit, grey
T60   60-pin connector, black

15    Earth point, on cylinder head

D108  Connection 6 in engine compartment wiring harness
D109  Connection 7 in engine compartment wiring harness
D110  Connection 8 in engine compartment wiring harness

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

https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2
Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T8  8-pin connector, brown
T60  60-pin connector, black

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

https://www.automotive-manuals.net/
Lambda probe, Lambda probe after catalytic converter, Engine control unit

- G39 Lambda probe
- G130 Lambda probe after catalytic converter
- J623 Engine control unit
- T4bg 4-pin connector, in rear right of engine compartment, black
- T6q 6-pin connector, front right in engine compartment, black
- T94 94-pin connector, black
- Z19 Lambda probe heater
- Z29 Lambda probe 1 heater after catalytic converter

(B573) Connection 40, in main wiring harness
Engine control unit, Circulation pump

- J235 Coolant pump relay
- J255 Climatronic control unit
- J493 Auxiliary coolant heater relay
- J623 Engine control unit
- SC62 Fuse 62 on fuse holder C
- T16l 16-pin connector
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on left under dash panel, brown
- T94 94-pin connector, black
- V55 Circulation pump

- 43 Earth point, lower part of right A-pillar
- 368 Earth connection 3, in main wiring harness
- 372 Earth connection 7, in main wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with Climatronic
*2 see applicable current flow diagram for fuse assignment
*3 From February 2013

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

https://www.automotive-manuals.net/
Throttle valve module, Accelerator position sender, Throttle valve drive for electric throttle, Engine control unit

GX3  Throttle valve module
G79  Accelerator position sender
G185  Accelerator position sender 2
G186  Throttle valve drive for electric throttle
G187  Throttle valve drive angle sender 1 for electric throttle
G188  Throttle valve drive angle sender 2 for electric throttle
J623  Engine control unit
T6g  6-pin connector
T6kr  6-pin connector
T60  60-pin connector, black
T94  94-pin connector, black

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

https://www.automotive-manuals.net/
Engine control unit, Charge pressure control solenoid valve, Activated charcoal filter solenoid valve 1, Camshaft control valve 1, Turbocharger air recirculation valve, Intake manifold flap valve

J623  Engine control unit
N75  Charge pressure control solenoid valve
N80  Activated charcoal filter solenoid valve 1
N205  Camshaft control valve 1
N249  Turbocharger air recirculation valve
N316  Intake manifold flap valve
T14a  14-pin connector, front left in engine compartment, black
T18  18-pin connector, near engine control unit, grey
T60  60-pin connector, black

(D106)  Connection 4 in engine compartment wiring harness

*  From February 2013

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

https://www.automotive-manuals.net/
Engine speed sender, Intake air temperature sender, Knock sensor 1, Coolant temperature sender, Engine control unit

- G28 Engine speed sender
- G42 Intake air temperature sender
- G61 Knock sensor 1
- G62 Coolant temperature sender
- J623 Engine control unit
- T14a 14-pin connector, front left in engine compartment, black
- T60 60-pin connector, black
- D114 Connection 12 in engine compartment wiring harness

Current Flow Diagram

G28 G42 G61 G62

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

https://www.automotive-manuals.net/
Charge pressure sender, Hall sender, Fuel pressure sender, Intake manifold flap potentiometer, Engine control unit

G31 Charge pressure sender
G40 Hall sender
G247 Fuel pressure sender
G336 Intake manifold flap potentiometer
J623 Engine control unit
T4g 4-pin connector
T14a 14-pin connector, front left in engine compartment, black
T60 60-pin connector, black

D111 Connection 9 in engine compartment wiring harness
D112 Connection 10 in engine compartment wiring harness
D113 Connection 11 in engine compartment wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
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rs = pink
Air mass meter, Intake manifold pressure sender, Engine control unit, Fuel pressure regulating valve

- G70  Air mass meter
- G71  Intake manifold pressure sender
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- T4g  4-pin connector
- T5i  5-pin connector
- T18  18-pin connector, near engine control unit, grey
- T60  60-pin connector, black
- T94  94-pin connector, black

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

Current Flow Diagram

https://www.automotive-manuals.net/
Brake light switch, Clutch pedal switch, ABS control unit, Engine control unit

- F Brake light switch
- F36 Clutch pedal switch
- J104 ABS control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- M25 Additional brake light bulb
- SC42 Fuse 42 on fuse holder C
- T4bg 4-pin connector
- T4c 4-pin connector
- T6kr 6-pin connector
- T17e 17-pin connector, near handbrake lever, red
- T47 47-pin connector
- T73a 73-pin connector
- T73b 73-pin connector
- T94 94-pin connector, black

42 Earth point, next to steering column
371 Earth connection 6, in main wiring harness
A2 Positive connection (15), in dash panel wiring harness
B335 Connection 1 (54), in main wiring harness
B482 Connection 18, in main wiring harness

* Only models with cruise control system (CCS)
*2 From February 2013

ws = white
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https://www.automotive-manuals.net/
Engine control unit
- J293 Radiator fan control unit
- J519 Onboard supply control unit
- J623 Engine control unit
- T4bg 4-pin connector, in rear right of engine compartment, black
- T16 16-pin connector
- T73b 73-pin connector
- T94 94-pin connector, black
- U31 Diagnostic connection
- V7 Radiator fan

Earth point, on left headlight
- 655

Connection 1 (powertrain CAN bus, high), in main wiring harness
- B383

Connection 1 (powertrain CAN bus, low), in main wiring harness
- B390

Connection 1 (convenience CAN bus, high), in main wiring harness
- B397

Connection 1 (convenience CAN bus, low), in main wiring harness
- B406

* Only models with automatic driving lights control

Current Flow Diagram

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
gi = pink
or = orange
gs = grey
Fuel gauge sender, Fuel system pressurisation pump, Fuel pump control unit, Engine control unit, Dash panel insert

- G Fuel gauge sender, on fuel tank
- GX1 Fuel delivery unit
- G3 Coolant temperature gauge
- G6 Fuel system pressurisation pump
- J285 Control unit in dash panel insert
- J538 Fuel pump control unit, on fuel tank
- J623 Engine control unit
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K31 Cruise control system warning lamp
- K105 Reserve fuel warning lamp
- K132 Electronic power control fault lamp
- T5g 5-pin connector, black
- T5h 5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T18a 18-pin connector, near engine control unit, grey
- T32 32-pin connector, blue
- T94 94-pin connector, black

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
  * From February 2013

**Legend:**
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- br = brown
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- bl = blue
- gr = grey
- li = purple
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https://www.automotive-manuals.net/
Oil pressure switch, Dash panel insert

- **F1** Oil pressure switch
- **G1** Fuel gauge
- **G5** Rev. counter
- **G21** Speedometer
- **H3** Buzzer and gong
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K3** Oil pressure warning lamp
- **K38** Oil level warning lamp
- **T18** 18-pin connector, near engine control unit, black
- **T32** 32-pin connector, blue

* Only models with automatic driving lights control

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- bl = blue
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https://www.automotive-manuals.net/
2.0l diesel engine, CDBA,(7L6)
From June 2012
Battery, Starter, Starter relay 1, Starter relay 2, Fuse holder A, Fuse 5 in fuse holder A

A Battery
B Starter
J906 Starter relay 1
J907 Starter relay 2
SA Fuse holder A
SA4 Fuse 4 in fuse holder A
SA5 Fuse 5 in fuse holder A
SC30 Fuse 30 on fuse holder C
SC70 Fuse 70 on fuse holder C
T18a 18-pin connector, near engine control unit, grey

1 Earth strap, battery - body
(A192) Positive connection 3 (15a) in dash panel wiring harness
(B479) Connection 15, in main wiring harness

* Hot country version

ws = white
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br = brown
gn = green
gf = grey
bl = blue
li = purple
ge = yellow
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rs = pink

https://www.automotive-manuals.net/
Alternator with voltage regulator, Fuel pump relay, Battery monitor control unit, Engine control unit, Fuse holder A, Fuse 1 in fuse holder A, Fuse holder B, Fuse 2 on fuse holder B

CX1 Alternator with voltage regulator
J17 Fuel pump relay
J367 Battery monitor control unit
J623 Engine control unit
SA Fuse holder A
SA1 Fuse 1 in fuse holder A
SB Fuse holder B
SB2 Fuse 2 on fuse holder B
SB4 Fuse 4 on fuse holder B
T2y 2-pin connector, front left in engine compartment, black
T18 18-pin connector, near engine control unit, black
T94a 94-pin connector, black

B231 Positive connection 5 (30a), in interior wiring harness
B549 Connection 2 (LIN bus) in main wiring harness
B564 Connection 31, in main wiring harness

* Hot country version

ws = white
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ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Engine control unit, Heater element for crankcase breather, Fuse 15 on fuse holder C, Fuse 25 on fuse holder C, Fuse 36 on fuse holder C

F36 Clutch pedal switch
J317 Terminal 30 voltage supply relay, on relay carrier
J493 Auxiliary coolant heater relay
J623 Engine control unit
N79 Heater element for crankcase breather
SC15 Fuse 15 on fuse holder C
SC25 Fuse 25 on fuse holder C
SC36 Fuse 36 on fuse holder C
T94a 94-pin connector, black
V55 Circulation pump

369 Earth connection 4, in main wiring harness

656 Earth point, on right headlight

B564 Connection 31, in main wiring harness

* Only models with crankcase breather heater element
*2 see applicable current flow diagram for air conditioning
*3 Only models with manual gearbox
*4 Only models with Climatronic

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

https://www.automotive-manuals.net/
Onboard supply control unit, Voltage stabiliser, Engine control unit, Fuse 16 on fuse holder C

- J519 Onboard supply control unit
- J532 Voltage stabiliser, in front left wing
- J623 Engine control unit
- R Radio
- SC16 Fuse 16 on fuse holder C
- T10i 10-pin connector, on left wheel housing, black
- T12e 12-pin connector, black
- T17c 17-pin connector, on left under dash panel, black
- T73b 73-pin connector
- T94a 94-pin connector, black

- 368 Earth connection 3, in main wiring harness
- B259 Connection (start/stop signal), in interior wiring harness
- B729 Connection 1 (50), in main wiring harness
- V28 Connection 1, in radio wiring harness

* see applicable current flow diagram

\[ \text{ws} = \text{white} \]
\[ \text{sw} = \text{black} \]
\[ \text{ro} = \text{red} \]
\[ \text{br} = \text{brown} \]
\[ \text{gn} = \text{green} \]
\[ \text{li} = \text{purple} \]
\[ \text{bl} = \text{blue} \]
\[ \text{ge} = \text{yellow} \]
\[ \text{or} = \text{orange} \]
\[ \text{rs} = \text{pink} \]

https://www.automotive-manuals.net/
Cruise control system switch, Steering column combination switch, Onboard supply control unit, Engine control unit

- E45 Cruise control system switch
- E595 Steering column combination switch
- J519 Onboard supply control unit
- J623 Engine control unit
- T16 16-pin connector, black
- T41 41-pin connector, grey
- T73a 73-pin connector, black
- T73b 73-pin connector
- U31 Diagnostic connection

- **B141** Positive connection 1 (56a), in interior wiring harness
- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with no headlight range control, see respective Current Flow Diagram headlight
*3 Only models with manual gearbox

\[ \text{ws} = \text{white} \]
\[ \text{sw} = \text{black} \]
\[ \text{ro} = \text{red} \]
\[ \text{br} = \text{brown} \]
\[ \text{gn} = \text{green} \]
\[ \text{bl} = \text{blue} \]
\[ \text{gr} = \text{grey} \]
\[ \text{li} = \text{purple} \]
\[ \text{ge} = \text{yellow} \]
\[ \text{or} = \text{orange} \]
\[ \text{rs} = \text{pink} \]
Onboard supply control unit, Engine control unit

- J519 Onboard supply control unit
- J623 Engine control unit
- T73b 73-pin connector
- T94a 94-pin connector, black
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B441 Connection (CCS), in main wiring harness

* Only models with cruise control system (CCS)

Colors:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Main relay, Engine control unit, Fuse 4 on fuse holder C, Fuse 10 on fuse holder C, Fuse 23 on fuse holder C

- J271 Main relay, on relay carrier
- J623 Engine control unit
- SC4 Fuse 4 on fuse holder C
- SC10 Fuse 10 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T94a 94-pin connector, black

- B568 Connection 35, in main wiring harness
- B627 Positive connection 3 (15), in main wiring harness

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

J179  Automatic glow period control unit
J623  Engine control unit
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T10l  10-pin connector, on left under dash panel, blue
T18   18-pin connector, near engine control unit, grey
T94a  94-pin connector, black

44    Earth point, lower part of left A-pillar
366   Earth connection 1, in main wiring harness

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Fuse 13 on fuse holder C, Fuse 35 on fuse holder C

- G39 Lambda probe
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N345 Exhaust gas recirculation cooler changeover valve
- SC13 Fuse 13 on fuse holder C
- SC35 Fuse 35 on fuse holder C
- T6t 6-pin connector, front right in engine compartment, black
- T18 18-pin connector, near engine control unit, grey
- T60 60-pin connector, black
- T94a 94-pin connector, black
- Z19 Lambda probe heater

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
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gn = green
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li = purple
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Air mass meter, Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit, Fuse 5 on fuse holder C

G70 Air mass meter
G83 Radiator outlet coolant temperature sender 1
G495 Exhaust gas temperature sender 3
G648 Exhaust gas temperature sender 4
J623 Engine control unit
SC5 Fuse 5 on fuse holder C
T2q 2-pin connector, black
T2r 2-pin connector, orange
T2s 2-pin connector, brown
T4i 4-pin connector, black
T94a 94-pin connector, black

B566 Connection 33, in main wiring harness
* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Start/Stop operation button, Engine control unit

- E693  Start/Stop operation button
- J623  Engine control unit
- T6bk  6-pin connector, green
- T10l  10-pin connector, on relay carrier, blue
- T17c  17-pin connector, on relay carrier, black
- T94a  94-pin connector, black
- 110  Earth connection 2, in dash panel wiring harness
- A7   Positive connection (58 D1), in dash panel wiring harness
- K8   Connection 1, in centre console wiring harness

* Only models with no headlight range control, see respective Current Flow Diagram headlight

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Charge pressure sender, Intake air temperature sender, Accelerator position sender, Accelerator position sender 2, Engine control unit

G31 Charge pressure sender
G42 Intake air temperature sender
G79 Accelerator position sender
G185 Accelerator position sender 2
J623 Engine control unit
T4k 4-pin connector, black
T6g 6-pin connector, black
T18a 18-pin connector, near engine control unit, grey
T94a 94-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
gi = purple
gy = yellow
or = orange
rs = pink
Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T3d 3-pin connector, black
- T3y 3-pin connector
- T4h 4-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T94a 94-pin connector, black

* Only models with Euro 5 emission standard
*2 Only models with manual gearbox
Brake light switch, Engine control unit

F  Brake light switch
J104  ABS control unit
J623  Engine control unit
T4c  4-pin connector, black
T6h  6-pin connector, in left footwell, near centre console, grey
T17e  17-pin connector, near handbrake lever, red
T94a  94-pin connector, black

371  Earth connection 6, in main wiring harness

B482  Connection 18, in main wiring harness
X130  Connection 3, in optional equipment wiring harness
X131  Connection 4, in optional equipment wiring harness

*  Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Radiator fan, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit
- SC14 Fuse 14 on fuse holder C
- T3w 3-pin connector, black
- T4 4-pin connector, on radiator cowling, black
- T18 18-pin connector, near engine control unit, grey
- T60 60-pin connector, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump

- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B613 Connection 41, in main wiring harness
- * Hot country version

Current Flow Diagram

No. 64 / 16

https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T60  60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G247 Fuel pressure sender
- J623 Engine control unit
- N18  Exhaust gas recirculation valve
- T3q  3-pin connector, black
- T3r  3-pin connector, on front of engine, black
- T3s  3-pin connector, black
- T6ao  6-pin connector, grey
- T60  60-pin connector, black

Connection 1 in engine compartment wiring harness
- D101

Connection 3 in engine compartment wiring harness
- D103

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

Current Flow Diagram
No. 64 / 18

https://www.automotive-manuals.net/
Throttle valve potentiometer, Fuel temperature sender, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C, Intake manifold flap motor

**G69**  Throttle valve potentiometer
**G81**  Fuel temperature sender
**G581**  Position sender for charge pressure positioner
**J338**  Throttle valve module, black
**J623**  Engine control unit
**N276**  Fuel pressure regulating valve
**N290**  Fuel metering valve
**SC12**  Fuse 12 on fuse holder C
**T3u**  3-pin connector, black
**T5m**  5-pin connector, black
**T18**  18-pin connector, near engine control unit, grey
**T60**  60-pin connector, black
**V157**  Intake manifold flap motor

**D101**  Connection 1 in engine compartment wiring harness
**D103**  Connection 3 in engine compartment wiring harness
**D106**  Connection 4 in engine compartment wiring harness

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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

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[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Clutch pedal switch for stop/start system, Coolant temperature sender, Engine control unit

- **F4**: Reversing light switch, on gearbox
- **F71**: Clutch pedal switch for stop/start system
- **G62**: Coolant temperature sender
- **J623**: Engine control unit
- **T17g**: 17-pin connector, near handbrake lever, black
- **T18a**: 18-pin connector, grey
- **T60**: 60-pin connector, black
- **T94a**: 94-pin connector, black
- **B520**: Connection (RL), in main wiring harness

*Only models with manual gearbox*
Fuel system pressurisation pump, Oil level and oil temperature sender, Dash panel insert, Fuse 42 on fuse holder C

- **G** Fuel gauge sender
- **GX1** Fuel delivery unit
- **G1** Fuel gauge
- **G3** Coolant temperature gauge
- **G5** Rev. counter
- **G6** Fuel system pressurisation pump
- **GZ1** Speedometer
- **G266** Oil level and oil temperature sender
- **J265** Control unit in dash panel insert
- **K** Dash panel insert
- **K28** Coolant temperature and coolant shortage warning lamp
- **K132** Electronic power control fault lamp
- **SC42** Fuse 42 on fuse holder C
- **T3m** 3-pin connector, black
- **T5g** 5-pin connector, black
- **T17e** 17-pin connector, near handbrake lever, red
- **T32** 32-pin connector, blue

- **68** Earth point, on left of rear cross member
- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **374** Earth connection 9, in main wiring harness
- **A2** Positive connection (15), in dash panel wiring harness

* Only models with manual gearbox
Oil pressure switch, Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- T2at 2-pin connector, orange
- T18 18-pin connector, near engine control unit, grey
- T32 32-pin connector, blue
- B397 Connection 1 (convenience CAN bus, high), in main wiring harness
- B406 Connection 1 (convenience CAN bus, low), in main wiring harness

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

https://www.automotive-manuals.net/
2.0l diesel engine, CNEA, CSHA, CNFA, CNFB, (7L6)
From June 2012
Current Flow Diagram

Battery, Starter, Starter relay 1, Starter relay 2, Fuse holder A, Fuse 5 in fuse holder A

A Battery
B Starter
J906 Starter relay 1
J907 Starter relay 2
SA Fuse holder A
SA4 Fuse 4 in fuse holder A
SA5 Fuse 5 in fuse holder A
SC30 Fuse 30 on fuse holder C
SC70 Fuse 70 on fuse holder C
T18a 18-pin connector, near engine control unit, grey

1 Earth strap, battery - body
A192 Positive connection 3 (15a) in dash panel wiring harness
B479 Connection 15, in main wiring harness
* Hot country version

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

https://www.automotive-manuals.net/
Alternator with voltage regulator, Fuel pump relay, Battery monitor control unit, Engine control unit, Fuse holder A, Fuse holder B

| CX1 | Alternator with voltage regulator |
| J17 | Fuel pump relay |
| J367 | Battery monitor control unit |
| J623 | Engine control unit |
| SA | Fuse holder A |
| SA1 | Fuse 1 in fuse holder A |
| SB | Fuse holder B |
| SB2 | Fuse 2 on fuse holder B |
| SB4 | Fuse 4 on fuse holder B |
| T2y | 2-pin connector, front left in engine compartment, black |
| T18 | 18-pin connector, near engine control unit, black |
| T94a | 94-pin connector, black |
| B231 | Positive connection 5 (30a), in interior wiring harness |
| B549 | Connection 2 (LIN bus) in main wiring harness |
| B564 | Connection 31, in main wiring harness |

* Hot country version

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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
Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Engine control unit, Fuse 15 on fuse holder C, Fuse 36 on fuse holder C

- F36 Clutch pedal switch
- J317 Terminal 30 voltage supply relay, on relay carrier
- J493 Auxiliary coolant heater relay
- J623 Engine control unit
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T4bg 4-pin connector
- T94a 94-pin connector, black
- V55 Circulation pump

* see applicable current flow diagram for air conditioning
*2 Only models with manual gearbox
*3 Only models with Climatronic

Connection 31, in main wiring harness

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

https://www.automotive-manuals.net/
Onboard supply control unit, Voltage stabiliser, Engine control unit, Fuse 16 on fuse holder C

- J519 Onboard supply control unit
- J532 Voltage stabiliser, in front left wing
- J623 Engine control unit
- R Radio
- SC16 Fuse 16 on fuse holder C
- T10i 10-pin connector, on left wheel housing, black
- T12e 12-pin connector, black
- T17c 17-pin connector, on left under dash panel, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- T94a 94-pin connector, black

- 368 Earth connection 3, in main wiring harness
- B259 Connection (start/stop signal), in interior wiring harness
- B729 Connection 1 (50), in main wiring harness
- V28 Connection 1, in radio wiring harness

* see applicable current flow diagram

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

https://www.automotive-manuals.net/
Current Flow Diagram

Cruise control system switch, Steering column combination switch, Onboard supply control unit, Engine control unit

- **E45** Cruise control system switch
- **E595** Steering column combination switch
- **J519** Onboard supply control unit
- **J623** Engine control unit
- **T16** 16-pin connector, black
- **T41** 41-pin connector, grey
- **T73b** 73-pin connector, colourless
- **T94a** 94-pin connector, black
- **U31** Diagnostic connection

- **B141** Positive connection 1 (56a), in interior wiring harness
- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with no headlight range control, see respective Current Flow Diagram headlight
*3 Only models with manual gearbox

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

https://www.automotive-manuals.net/
Engine control unit, Heater element for crankcase breather, Fuse 25 on fuse holder C

- **J623** Engine control unit
- **N79** Heater element for crankcase breather
- **SC25** Fuse 25 on fuse holder C
- **T94a** 94-pin connector, black
- **369** Earth connection 4, in main wiring harness
- **656** Earth point, on right headlight
- **B441** Connection (CCS), in main wiring harness

* Only models with crankcase breather heater element
*2 Only models with cruise control system (CCS)

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

[Current Flow Diagram](https://www.automotive-manuals.net/)
Main relay, Engine control unit, Fuse 4 on fuse holder C, Fuse 10 on fuse holder C, Fuse 23 on fuse holder C

J271  Main relay, on relay carrier
J623  Engine control unit
SC4   Fuse 4 on fuse holder C
SC10  Fuse 10 on fuse holder C
SC23  Fuse 23 on fuse holder C
T94a  94-pin connector, black

B568  Connection 35, in main wiring harness
B627  Positive connection 3 (15), in main wiring harness

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J179: Automatic glow period control unit
- J623: Engine control unit
- Q10: Glow plug 1
- Q11: Glow plug 2
- Q12: Glow plug 3
- Q13: Glow plug 4
- T10l: 10-pin connector, on left under dash panel, blue
- T18a: 18-pin connector, near engine control unit, black
- T94a: 94-pin connector, black
- 44: Earth point, lower part of left A-pillar
- 366: Earth connection 1, in main wiring harness

Current Flow Diagram

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

https://www.automotive-manuals.net/
Start/Stop operation button, Engine control unit

- E693  Start/Stop operation button
- J623  Engine control unit
- T6bk  6-pin connector
- T10l  10-pin connector, on left under dash panel, blue
- T17c  17-pin connector, on relay carrier, black
- T94a  94-pin connector, black

- K8   Connection 1, in centre console wiring harness

* Only models with no headlight range control, see respective Current Flow Diagram headlight

- A7   Positive connection (58 D1), in dash panel wiring harness

- 110  Earth connection 2, in dash panel wiring harness

- J623  Engine control unit

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

Current Flow Diagram

No. 65 / 10

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

G83  Radiator outlet coolant temperature sender
G235 Exhaust gas temperature sender 1
G495 Exhaust gas temperature sender 3
G648 Exhaust gas temperature sender 4
J623 Engine control unit
T2q  2-pin connector, in front right wheel housing, black
T2r  2-pin connector, in front right wheel housing, orange
T2s  2-pin connector, in front right wheel housing, brown
T18a 18-pin connector, near engine control unit, black
T60  60-pin connector, black
T94a 94-pin connector, black

(B566) Connection 33, in main wiring harness
* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve, Fuse 13 on fuse holder C, Fuse 35 on fuse holder C

G39  Lambda probe
J623  Engine control unit
N75  Charge pressure control solenoid valve
N220  Exhaust flap valve
N345  Exhaust gas recirculation cooler changeover valve
SC13  Fuse 13 on fuse holder C
SC35  Fuse 35 on fuse holder C
T6t  6-pin connector, front right in engine compartment, black
T18  18-pin connector, near engine control unit, black
T60  60-pin connector, black
T94a  94-pin connector, black
Z19  Lambda probe heater

B570  Connection 37, in main wiring harness
*  Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit, Fuse 5 on fuse holder C

G70  Air mass meter
G79  Accelerator position sender
G185 Accelerator position sender 2
J623  Engine control unit
SC5  Fuse 5 on fuse holder C
T4i  4-pin connector, black
T6g  6-pin connector
T94a 94-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
bl = blue
li = purple
ge = yellow
or = orange
rs = pink
Brake light switch, Charge pressure sender, Intake air temperature sender, Engine control unit

F  - Brake light switch
G31 - Charge pressure sender
G42 - Intake air temperature sender
J104 - ABS control unit
J623 - Engine control unit
T4  - 4-pin connector
T4c - 4-pin connector, black
T17e - 17-pin connector, near handbrake lever, red
T18 - 18-pin connector, near engine control unit, black
T94a - 94-pin connector, black

371 - Earth connection 6, in main wiring harness
B482 - Connection 18, in main wiring harness

* Only models with manual gearbox

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

https://www.automotive-manuals.net/
Intake manifold pressure sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Engine control unit

- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T3d 3-pin connector, black
- T3y 3-pin connector, black
- T4h 4-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T94a 94-pin connector, black

(B565) Connection 32, in main wiring harness
(B567) Connection 34, in main wiring harness
* Only models with manual gearbox
*2 Only models with Euro 5 emission standard

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

Current Flow Diagram No. 65 / 15

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit
- SC14 Fuse 14 on fuse holder C
- T3w 3-pin connector, black
- T4 4-pin connector, on radiator cowling, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump

- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B613 Connection 41, in main wiring harness

* Only models with "Low" equipment (AW0)
*2 Only models with Euro 5 plus emission standard (7MJ)
*3 Hot country version

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62  Coolant temperature sender
J623  Engine control unit
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T60  60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
g = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

- G28  Engine speed sender
- G40  Hall sender
- G212 Exhaust gas recirculation potentiometer
- G447 Charge pressure sender 2
- J623 Engine control unit
- N18  Exhaust gas recirculation valve
- T3q  3-pin connector, black
- T3r  3-pin connector, on front of engine, black
- T3z  3-pin connector, black
- T6ao 6-pin connector, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black

Connection labels:
- D101 Connection 1 in engine compartment wiring harness
- D102 Connection 2 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness
- D107 Connection 5 in engine compartment wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Throttle valve potentiometer, Fuel temperature sender, Fuel pressure sender, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Intake manifold flap motor

- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T3s 3-pin connector, black
- T3u 3-pin connector
- T5m 5-pin connector
- T60 60-pin connector, black
- V157 Intake manifold flap motor
- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness

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

**Note:**
- Amarok
- Current Flow Diagram
- No. 65 / 19
- 11.2012
- https://www.automotive-manuals.net/
Clutch pedal switch for stop/start system, Automatic gearbox control unit, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C

- F4 Reversing light switch
- F71 Clutch pedal switch for stop/start system
- J217 Automatic gearbox control unit
- J623 Engine control unit
- N276 Fuel pressure regulating valve
- N290 Fuel metering valve
- SC12 Fuse 12 on fuse holder C
- T1616-pin connector
- T17 17-pin connector, near handbrake lever, black
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- T94a 94-pin connector, black

- Only models with manual gearbox
- Only models with no automatic gearbox

**Legend**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Fuel system pressurisation pump, Oil level and oil temperature sender, Dash panel insert, Fuse 42 on fuse holder C

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- J286 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K132 Electronic power control fault lamp
- SC42 Fuse 42 on fuse holder C
- T3m 3-pin connector
- T5g 5-pin connector
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness

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

https://www.automotive-manuals.net/
Current Flow Diagram

Oil pressure switch, Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- T18 18-pin connector, near engine control unit, black
- T32 32-pin connector

Connection 1 (convenience CAN bus, high), in main wiring harness

Connection 1 (convenience CAN bus, low), in main wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse assignment for models with start/stop system, (7L6)

From June 2012
Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Fuse holder A

- **A** Battery
- **B** Starter
- **CX1** Alternator with voltage regulator
- **J367** Battery monitor control unit
- **SA** Fuse holder A
- **SA1** Fuse 1 in fuse holder A
- **T2y** 2-pin connector, black
- **T18a** 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
2. Earth point, on left in engine compartment
3. Earth point, engine and gearbox earth

- **B479** Connection 15, in main wiring harness
- **B569** Connection 36, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

**Legend:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gf = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink

https://www.automotive-manuals.net/
Terminal 15 voltage supply relay, Fuse holder A

- D9  Electronic ignition lock
- J329  Terminal 15 voltage supply relay
- J519  Onboard supply control unit
- SA  Fuse holder A
- SA2  Fuse 2 in fuse holder A
- SA3  Fuse 3 in fuse holder A
- T73a  73-pin connector

- 44  Earth point, lower part of left A-pillar
- 366  Earth connection 1, in main wiring harness
- A104  Positive connection 2 (15), in dash panel wiring harness
- B333  Positive connection 19 (30a) in main wiring harness

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Fuse holder A, Fuse 38 on fuse holder C, Radiator fan

J179  Automatic glow period control unit
J293  Radiator fan control unit
SA   Fuse holder A
SA4  Fuse 4 in fuse holder A
SA5  Fuse 5 in fuse holder A
SA6  Fuse 6 in fuse holder A
SC38  Fuse 38 on fuse holder C
T11  11-pin connector, black
V7   Radiator fan

B330  Positive connection 16 (30a) in main wiring harness
B331  Positive connection 17 (30a) in main wiring harness

*  According to equipment
*2  Only models with diesel engine

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

https://www.automotive-manuals.net/
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 2 on fuse holder B

F36  Clutch pedal switch  
J8   Auxiliary heater relay  
J17  Fuel pump relay  
J317 Terminal 30 voltage supply relay  
J623 Engine control unit  
SB   Fuse holder B  
SB2  Fuse 2 on fuse holder B  
T4bg 4-pin connector, black  
T94 94-pin connector, black  
T94a 94-pin connector, black  
V55  Circulation pump

B277  Positive connection 1 (15a) in main wiring harness  
B332  Positive connection 18 (30a) in main wiring harness  
B564  Connection 31, in main wiring harness  
* Only models with diesel engine  
*2 Only models with petrol engine  
*3 see applicable current flow diagram for engine  
*4 see applicable current flow diagram for auxiliary coolant heater  
*5 Slot assignment, with no cruise control system (CCS)

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

https://www.automotive-manuals.net/
Current Flow Diagram

Voltage stabiliser, Engine control unit, Starter relay 1, Starter relay 2

- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- J532 Voltage stabiliser
- J623 Engine control unit
- J906 Starter relay 1
- J907 Starter relay 2

- R Radio
- T10i 10-pin connector, near battery, black
- T12e 12-pin connector, black
- T73b 73-pin connector, colourless
- T94a 94-pin connector, black

- 368 Earth connection 3, in main wiring harness
- 655 Earth point, on left headlight
- B259 Connection (start/stop signal), in interior wiring harness
- B729 Connection 1 (50), in main wiring harness

- * see applicable current flow diagram for engine
- *2 Only models with diesel engine
- *3 see applicable current flow diagram for radio/radio navigation system

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

https://www.automotive-manuals.net/
Headlight relay, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 24 on fuse holder C

- E595 Steering column combination switch
- J25 Headlight relay
- J519 Onboard supply control unit
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC24 Fuse 24 on fuse holder C
- T10h 10-pin connector, in left footwell, near centre console, purple
- T41 41-pin connector
- T73a 73-pin connector, black
- B315 Positive connection 1 (30a) in main wiring harness
- B321 Positive connection 7 (30a) in main wiring harness
- X130 Connection 3, in optional equipment wiring harness

* Only models with automatic driving lights control
*2 Only models with electric interface for external use
*3 see applicable current flow diagram for engine

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

https://www.automotive-manuals.net/
Main relay, Fuse 37 on fuse holder C, Fuse 56 on fuse holder C

- GX1: Fuel delivery unit, on fuel tank
- J271: Main relay
- N70: Ignition coil 1 with output stage
- N127: Ignition coil 2 with output stage
- N291: Ignition coil 3 with output stage
- N292: Ignition coil 4 with output stage
- SC37: Fuse 37 on fuse holder C
- SC56: Fuse 56 on fuse holder C
- T17e: 17-pin connector, near handbrake lever, blue
- T18a: 18-pin connector, near engine control unit, black

* Only models with petrol engine
*2 Only models with diesel engine
*3 See applicable current flow diagram for engine

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
g = yellow
or = orange
rs = pink
Fuse 4 on fuse holder C, Fuse 5 on fuse holder C

G70  Air mass meter
J623  Engine control unit
SC4  Fuse 4 on fuse holder C
SC5  Fuse 5 on fuse holder C
T4i  4-pin connector, black
T94a  94-pin connector, black

B352  Positive connection 3 (87a) in main wiring harness

B568  Connection 35, in main wiring harness
*  Only models with diesel engine

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

https://www.automotive-manuals.net/
Fuse 2 on fuse holder C, Fuse 12 on fuse holder C, Fuse 71 on fuse holder C

- E595  Steering column combination switch
- N75  Charge pressure control solenoid valve
- N80  Activated charcoal filter solenoid valve 1
- N205  Camshaft control valve 1
- N249  Turbocharger air recirculation valve
- N276  Fuel pressure regulating valve
- N316  Intake manifold flap valve
- SC2  Fuse 2 on fuse holder C
- SC12  Fuse 12 on fuse holder C
- SC71  Fuse 71 on fuse holder C

- T6h  6-pin connector, in left footwell, near centre console, grey
- T14a  14-pin connector, front left in engine compartment
- T18a  18-pin connector, near engine control unit, black
- T41  41-pin connector, grey
- V393  Supplementary fuel pump

- SC2  Fuse 2 on fuse holder C
- SC12  Fuse 12 on fuse holder C
- SC71  Fuse 71 on fuse holder C

- D106  Connection 4 in engine compartment wiring harness

- B352  Positive connection 3 (87a) in main wiring harness

* Only models with electric interface for external use
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Fuse 34 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

- J623: Engine control unit
- SC34: Fuse 34 on fuse holder C
- SC35: Fuse 35 on fuse holder C
- SC36: Fuse 36 on fuse holder C
- T4f: 4-pin connector, front right in engine compartment, black
- T6q: 6-pin connector, front right in engine compartment, black
- T6t: 6-pin connector, front right in engine compartment, black
- T94: 94-pin connector, black
- V50: Coolant circulation pump
- Z19: Lambda probe heater
- Z29: Lambda probe 1 heater after catalytic converter

**Notes:**
- *2: Only models with diesel engine
- *3: Only models with petrol engine

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

https://www.automotive-manuals.net/
Fuse 1 on fuse holder C, Fuse 10 on fuse holder C, Fuse 25 on fuse holder C

- **E1**: Light switch
- **E256**: TCS and ESP button, on centre console switch module
- **E598**: Driving program button, on centre console switch module
- **F189**: Tiptronic switch
- **G70**: Air mass meter
- **J104**: ABS control unit
- **J217**: Automatic gearbox control unit
- **J234**: Airbag control unit
- **K145**: Front passenger side airbag deactivated warning lamp
- **N79**: Heater element for crankcase breather
- **SC1**: Fuse 1 on fuse holder C
- **SC10**: Fuse 10 on fuse holder C
- **SC25**: Fuse 25 on fuse holder C
- **T6k**: 6-pin connector, black
- **T6l**: 6-pin connector, red
- **T10j**: 10-pin connector, black
- **T17d**: 17-pin connector, on left under dash panel, red
- **T17e**: 17-pin connector, near handbrake lever, blue
- **T47**: 47-pin connector, black
- **A38**: Positive connection 2 (15a) in dash panel wiring harness
- **B279**: Positive connection 3 (15a) in main wiring harness
- **B627**: Positive connection 3 (15), in main wiring harness
- **U3**: Connection 1, in automatic gearbox wiring harness

* Only models with diesel engine
*2 Only models with petrol engine
*3 See applicable current flow diagram for automatic gearbox

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**Legend:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ye = yellow
- or = orange
- rs = pink
Fuse 6 on fuse holder C, Fuse 16 on fuse holder C, Fuse 31 on fuse holder C, Fuse 63 on fuse holder C

- J345 Trailer detector control unit
- SC6 Fuse 6 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- SC31 Fuse 31 on fuse holder C
- SC63 Fuse 63 on fuse holder C
- T10h 10-pin connector, in left footwell, near centre console, purple
- T12 12-pin connector, red

- A1 Positive connection (30a), in dash panel wiring harness
- A192 Positive connection 3 (15a) in dash panel wiring harness
- B278 Positive connection 2 (15a) in main wiring harness
- B279 Positive connection 3 (15a) in main wiring harness

* Only models with electric interface for external use

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

Current Flow Diagram

No. 66 / 14
Brake light switch, Fuse 42 on fuse holder C

- E45 Cruise control system switch
- E595 Steering column combination switch
- F Brake light switch
- J187 Differential lock control unit
- J446 Parking aid control unit
- K181 Normal operation warning lamp in transfer box operating unit
- K182 Reduction gearing warning lamp in transfer box operating unit
- K183 Inter-axle lock-up warning lamp in transfer box operating unit
- SC42 Fuse 42 on fuse holder C
- SC70 Fuse 70 on fuse holder C
- T4c 4-pin connector, black
- T41 41-pin connector, grey

- A2 Positive connection (15), in dash panel wiring harness
- B278 Positive connection 2 (15a) in main wiring harness

* Only models with cruise control system

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

https://www.automotive-manuals.net/
Start/Stop operation button, Reversing light switch, Tachograph, Air quality sensor, Oil level and oil temperature sender, Transfer box control unit, Additional brake light bulb, Diagnostic connection

- E693 Start/Stop operation button, in front centre console
- F4 Reversing light switch
- G24 Tachograph
- G65 High-pressure sender
- G238 Air quality sensor
- G266 Oil level and oil temperature sender
- J646 Transfer box control unit
- M25 Additional brake light bulb
- T6bk 6-pin connector, green
- T10l 10-pin connector, blue
- T17a 17-pin connector, behind glove compartment, black
- T17e 17-pin connector, near handbrake lever, blue
- T18a 18-pin connector, near engine control unit, grey
- U31 Diagnostic connection

- A2 Positive connection (15), in dash panel wiring harness
- A15 Positive connection (15), in instrument wiring harness

* Only models with air conditioning system/ Climatronic

*2 Only models with Climatronic

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

https://www.automotive-manuals.net/
Fuse 14 on fuse holder C, Fuse 53 on fuse holder C, Fuse 55 on fuse holder C

J519  Onboard supply control unit
L22   Left fog light bulb
N276  Fuel pressure regulating valve
SC14  Fuse 14 on fuse holder C
SC53  Fuse 53 on fuse holder C
SC55  Fuse 55 on fuse holder C
SC60  Fuse 60 on fuse holder C
T10h  10-pin connector, in left footwell, near centre console, purple
T18a  18-pin connector, near engine control unit, black
T73a  73-pin connector, black
T73b  73-pin connector, colourless
B326  Positive connection 12 (30a) in main wiring harness
X131  Connection 4, in optional equipment wiring harness
*   Only models with electric interface for external use
*2  Only models with petrol engine
*3  see applicable current flow diagram for exterior lighting
*4  Only models with automatic driving lights control

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*   Only models with electric interface for external use
*2  Only models with petrol engine
*3  see applicable current flow diagram for exterior lighting
*4  Only models with automatic driving lights control

---

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

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https://www.automotive-manuals.net
Fuse 9 on fuse holder C, Fuse 11 on fuse holder C, Fuse 28 on fuse holder C, Fuse 29 on fuse holder C

- **E1** Light switch
- **J187** Differential lock control unit
- **J519** Onboard supply control unit
- **M17** Right reversing light bulb
- **M53** Load area illumination bulb
- **SC9** Fuse 9 on fuse holder C
- **SC11** Fuse 11 on fuse holder C
- **SC28** Fuse 28 on fuse holder C
- **SC29** Fuse 29 on fuse holder C
- **T5k** 5-pin connector
- **T6a** 6-pin connector
- **T10j** 10-pin connector, black
- **T18a** 18-pin connector, near engine control unit, near engine control unit, grey
- **T18b** 18-pin connector
- **T73b** 73-pin connector
- **B323** Positive connection 9 (30a) in main wiring harness

* Only models with automatic driving lights control

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

https://www.automotive-manuals.net/
 Fuse 7 on fuse holder C, Fuse 18 on fuse holder C, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C

- Electronic ignition lock
- Steering column combination switch
- Control unit in dash panel insert
- Onboard supply control unit
- Dash panel insert
- Left headlight main beam bulb
- Right headlight main beam bulb
- Fuse 7 on fuse holder C
- Fuse 18 on fuse holder C
- Fuse 30 on fuse holder C
- Fuse 32 on fuse holder C
- 6-pin connector, black
- 8-pin connector, in rear right of engine compartment, black
- 10-pin connector, black
- 10-pin connector, black
- 10-pin connector, in left footwell, near centre console, purple
- 32-pin connector, blue
- 41-pin connector, grey
- 73-pin connector, colourless
- Washer pump
- Connection 11, in main wiring harness
- Connection 14, in main wiring harness
- Connection 16, in main wiring harness
- Connection 25, in main wiring harness

* Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C, Fuse 62 on fuse holder C

- J8: Auxiliary heater relay
- J345: Trailer detector control unit
- J364: Auxiliary heater control unit
- SC39: Fuse 39 on fuse holder C
- SC40: Fuse 40 on fuse holder C
- SC41: Fuse 41 on fuse holder C
- SC62: Fuse 62 on fuse holder C
- T12: 12-pin connector, red

(B334): Positive connection 20 (30a) in main wiring harness
L62: Positive connection (30a), in auxiliary heater wiring harness

* Only models with air conditioning system/ Climatronic
*2 Only models with Climatronic
*3 Only models with Climatic
*4 Only models with no air conditioning system/Climatronic
*5 See applicable current flow diagram for auxiliary coolant heater

Current Flow Diagram

No. 66 / 20

https://www.automotive-manuals.net/
Fuse 8 on fuse holder C, Fuse 19 on fuse holder C, Fuse 65 on fuse holder C

- D9: Electronic ignition lock
- J519: Onboard supply control unit
- M9: Left brake light bulb
- M10: Right brake light bulb
- M25: Additional brake light bulb
- SC8: Fuse 8 on fuse holder C
- SC19: Fuse 19 on fuse holder C
- SC65: Fuse 65 on fuse holder C
- T17e: 17-pin connector, near handbrake lever, blue
- T28: 28-pin connector, near A-pillar
- T73a: 73-pin connector, black
- T73b: 73-pin connector, colourless
- Z4: Heated exterior mirror on driver side
- Z5: Heated exterior mirror on front passenger side
- A63: Connection (mirror adjustment/heating), in dash panel wiring harness
- B318: Positive connection 4 (30a) in main wiring harness
- B327: Positive connection 13 (30a) in main wiring harness
- B334: Positive connection 20 (30a) in main wiring harness
- B335: Connection 1 (54), in main wiring harness
- W1: Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for window regulators/ basic equipment/ convenience system

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

https://www.automotive-manuals.net/
Fuse 20 on fuse holder C, Fuse 21 on fuse holder C, Fuse 43 on fuse holder C, Fuse 47 on fuse holder C, Fuse 48 on fuse holder C

H2  Treble horn
H7  Bass horn
J386  Driver door control unit
J519   Onboard supply control unit
SC20  Fuse 20 on fuse holder C
SC21  Fuse 21 on fuse holder C
SC43  Fuse 43 on fuse holder C
SC47  Fuse 47 on fuse holder C
SC48  Fuse 48 on fuse holder C
T3b  3-pin connector
T28a  28-pin connector, in left A-pillar
T28b  28-pin connector, on right A-pillar
T73a  73-pin connector, black
T73b  73-pin connector, colourless
V  Windscreen wiper motor
W1  Front interior light
W7  Centre interior light

(B327) Positive connection 13 (30A) in main wiring harness
(B328) Positive connection 14 (30A) in main wiring harness
*  Only left-hand drive models
*2 Only right-hand drive models
*3 see applicable current flow diagram for basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
gy = yellow
or = orange
rs = pink
Fuse 49 on fuse holder C, Fuse 50 on fuse holder C, Fuse 51 on fuse holder C, Fuse 58 on fuse holder C

F189 Tiptronic switch
J217 Automatic gearbox control unit
J387 Front passenger door control unit
J388 Rear left door control unit
J389 Rear right door control unit
N376 Ignition key withdrawal lock solenoid
SC49 Fuse 49 on fuse holder C
SC50 Fuse 50 on fuse holder C
SC51 Fuse 51 on fuse holder C
SC58 Fuse 58 on fuse holder C
T10k 10-pin connector, in left footwell, near centre console, purple
T18a 18-pin connector, near engine control unit, grey
T28 28-pin connector, near A-pillar
T28a 28-pin connector, in left A-pillar
T28b 28-pin connector, on right A-pillar
T28c 28-pin connector

*B320 Positive connection 6 (30a) in main wiring harness
*B329 Positive connection 15 (30a) in main wiring harness

* Only left-hand drive models
*2 Only right-hand drive models
*3 Only models with automatic gearbox

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

http://www.automotive-manuals.net/
Voltage supply relay 2, Fuse 57 on fuse holder C, Fuse 69 on fuse holder C

- **D9**: Electronic ignition lock
- **J519**: Onboard supply control unit
- **J710**: Voltage supply relay 2
- **J882**: Seat heating control unit
- **SC54**: Fuse 54 on fuse holder C
- **SC57**: Fuse 57 on fuse holder C
- **SC69**: Fuse 69 on fuse holder C
- **T10h**: 10-pin connector, in left footwell, near centre console, purple
- **T16b**: 16-pin connector, black
- **T73b**: 73-pin connector, colourless
- **B349**: Connection 2 (75a), in main wiring harness
- **B431**: Connection (seat heating), in main wiring harness
- **B490**: Connection 26, in main wiring harness

* Only models with electric interface for external use

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<table>
<thead>
<tr>
<th>No.</th>
<th>309</th>
<th>310</th>
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<th>312</th>
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</thead>
</table>

ws = white  
sw = black  
ro = red  
br = brown  
gn = green  
gr = grey  
bl = blue  
l = purple  
ge = yellow  
or = orange  
rs = pink
Fuse 46 on fuse holder C, Fuse 59 on fuse holder C, Fuse 66 on fuse holder C, Fuse 68 on fuse holder C

J519 Onboard supply control unit
J646 Transfer box control unit
SC46 Fuse 46 on fuse holder C
SC59 Fuse 59 on fuse holder C
SC66 Fuse 66 on fuse holder C
SC68 Fuse 68 on fuse holder C
T2al 2-pin connector, in rear left wheel housing, black
T4d 4-pin connector
T10m 10-pin connector, near handbrake lever, brown
T17a 17-pin connector, behind glove compartment, black
T17c 17-pin connector, on left under dash panel, black
T17d 17-pin connector, on left under dash panel, red
T73a 73-pin connector, black
U18 12 V socket 2, in centre of dash panel, in storage compartment
U19 12 V socket 3, in rear left wheel housing
V2 Fresh air blower

B324 Positive connection 10 (30a) in main wiring harness
B346 Connection 1 (75), in main wiring harness
B348 Connection 1 (75a), in main wiring harness
* Only models with central locking
*2 see applicable current flow diagram for manually controlled heater
*3 Only models with no Climatronic

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

https://www.automotive-manuals.net/
Current Flow Diagram

Steering column combination switch, Rain sensor, Interior monitoring sensor, Telephone controls control unit, Dash panel insert, Fuse 45 on fuse holder C, Diagnostic connection

- E595  Steering column combination switch
- G24   Tachograph
- G213  Rain sensor
- G273  Interior monitoring sensor
- G462  Sender for front Bitron blower regulation
- J255  Climatronic control unit
- J285  Control unit in dash panel insert
- J738  Telephone controls control unit
- K     Dash panel insert
- SC45  Fuse 45 on fuse holder C
- T3aa  3-pin connector, black
- T4bc  4-pin connector, brown
- T12f  12-pin connector, near handbrake lever, black
- T16   16-pin connector, black
- T17a  17-pin connector, behind glove compartment, black
- T17b  17-pin connector, on left under dash panel, brown
- T17f  17-pin connector, near handbrake lever, blue
- T32   32-pin connector, blue
- T41   41-pin connector, grey
- T54   54-pin connector
- U31   Diagnostic connection

- B316  Positive connection 2 (30a) in main wiring harness
- B324  Positive connection 10 (30a) in main wiring harness
- L21   Connection 1 (30), in Climatronic operating unit wiring harness
  * Only models with Climatronic

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

https://www.automotive-manuals.net/
Fuse 44 on fuse holder C, Fuse 64 on fuse holder C, Fuse 67 on fuse holder C

- **J503** Control unit with display for radio and navigation
- **J519** Onboard supply control unit
- **R** Radio
- **SC44** Fuse 44 on fuse holder C
- **SC64** Fuse 64 on fuse holder C
- **SC67** Fuse 67 on fuse holder C
- **T8a** 8-pin connector, black
- **T8c** 8-pin connector, black
- **T17a** 17-pin connector, behind glove compartment, black
- **T17c** 17-pin connector, on left under dash panel, black
- **T73b** 73-pin connector, colourless
- **V2** Fresh air blower
- **Z1** Heated rear window

- **SC44** Fuse 44 on fuse holder C
- **SC64** Fuse 64 on fuse holder C
- **SC67** Fuse 67 on fuse holder C
- **T8a** 8-pin connector, black
- **T8c** 8-pin connector, black
- **T17a** 17-pin connector, behind glove compartment, black
- **T17c** 17-pin connector, on left under dash panel, black
- **T73b** 73-pin connector, colourless
- **V2** Fresh air blower
- **Z1** Heated rear window

**According to equipment**

**Only models with Climatronic**

**see applicable current flow diagram**

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**B325** Positive connection 11 (30a) in main wiring harness

**V28** Connection 1, in radio wiring harness

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

https://www.automotive-manuals.net/
Parking aid (PDC)
From June 2012
Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control unit

- **F4**  Reversing light switch
- **H15**  Rear parking aid warning buzzer, behind right C-pillar trim
- **H22**  Front parking aid warning buzzer, on relay carrier
- **J446**  Parking aid control unit, lower part of A-pillar, front passenger side
- **SC42**  Fuse 42 on fuse holder C
- **T12a**  12-pin connector, brown
- **T16p**  16-pin connector, brown
- **T18a**  18-pin connector, near engine control unit, grey
- **44**  Earth point, lower part of left A-pillar
- **366**  Earth connection 1, in main wiring harness
- **372**  Earth connection 7, in main wiring harness
- **A2**  Positive connection (15), in dash panel wiring harness
  - * Only models with double cab
  - *2 Only models with parking aid, front/rear
  - *3 Up to January 2013
  - *4 From February 2013

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Parking aid button, Parking aid control unit

- **E1** Light switch
- **E266** Parking aid button
- **J446** Parking aid control unit, lower part of A-pillar, front passenger side
- **J519** Onboard supply control unit
- **T6ap** 6-pin connector
- **T16p** 16-pin connector, brown
- **T17b** 17-pin connector, on left under dash panel, brown
- **T17c** 17-pin connector, on left under dash panel
- **T17d** 17-pin connector, on left under dash panel
- **T73b** 73-pin connector

- **A7** Positive connection (58 D1), in dash panel wiring harness
- **A195** Connection 1 (PDC), in dash panel insert wiring harness
- **B383** Connection 1 (powertrain CAN bus, high), in main wiring harness
- **B390** Connection 1 (powertrain CAN bus, low), in main wiring harness
- **B472** Connection 8, in main wiring harness
- **E266** Parking aid button

- Only models with parking aid, front/rear

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**Legend:**
- 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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https://www.automotive-manuals.net/
Rear left parking aid sender, Rear centre left parking aid sender, Rear centre right parking aid sender, Rear right parking aid sender, Parking aid control unit

- G203 Rear left parking aid sender
- G204 Rear centre left parking aid sender
- G205 Rear centre right parking aid sender
- G206 Rear right parking aid sender
- J446 Parking aid control unit, lower part of A-pillar, front passenger side
- T6bi 6-pin connector, under rear bumper on left, black
- T12c 12-pin connector, brown
- T17f 17-pin connector, near handbrake lever, blue
- A196 Connection 2 (PDC), in dash panel insert wiring harness
- B451 Connection 2 (PDC), in main wiring harness

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

https://www.automotive-manuals.net/
Front right parking aid sender, Front centre right parking aid sender, Front centre left parking aid sender, Front left parking aid sender, Parking aid control unit

- **G252** Front right parking aid sender
- **G253** Front centre right parking aid sender
- **G254** Front centre left parking aid sender
- **G255** Front left parking aid sender
- **J446** Parking aid control unit, lower part of A-pillar, front passenger side
- **T6bh** 6-pin connector, behind front bumper on left, black
- **T12a** 12-pin connector, brown
- **A197** Connection 3 (PDC), in dash panel insert wiring harness
- **B452** Connection 3 (PDC), in main wiring harness

* Only models with parking aid, front/rear

**Part Numbers**

- G252
- G253
- G254
- G255
- J446
- T6bh
- T12a
- A197
- B452

**Legend**

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

https://www.automotive-manuals.net/
2.0l diesel engine, CDBA
From June 2012
Battery, Starter, Starter motor relay, Fuse 5 in fuse holder A

- A Battery
- B Starter
- J53 Starter motor relay
- SA Fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T18a 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body

B479 Connection 15, in main wiring harness

X78 Connection 1, in optional equipment wiring harness

X79 Connection 2, in optional equipment wiring harness

* Only models with electric interface for external use

*2 See applicable current flow diagram for fuse assignment

*3 Only for countries with hot climate

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

https://www.automotive-manuals.net/


Alternator with voltage regulator, Fuel pump relay, Engine control unit, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B

CX1 Alternator with voltage regulator
J17 Fuel pump relay
J623 Engine control unit
SA Fuse holder A
SA1 Fuse 1 in fuse holder A
SB2 Fuse 2 on fuse holder B
T2bc 2-pin connector, near alternator, black
T18 18-pin connector, near engine control unit, black
T94a 94-pin connector, black

(B564 Connection 31, in main wiring harness
(B569 Connection 36, in main wiring harness

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

https://www.automotive-manuals.net/
Main relay, Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Engine control unit, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 36 on fuse holder C

- F36  Clutch pedal switch
- J271  Main relay, on relay carrier
- J317  Terminal 30 voltage supply relay, on relay carrier
- J493  Auxiliary coolant heater relay
- J623  Engine control unit
- SC10  Fuse 10 on fuse holder C
- SC15  Fuse 15 on fuse holder C
- SC23  Fuse 23 on fuse holder C
- SC36  Fuse 36 on fuse holder C
- T5e  5-pin connector
- T94a  94-pin connector, black
- V55  Circulation pump

- B564  Connection 31, in main wiring harness

* see applicable current flow diagram for fuse assignment
*2 Only models with Climatronic
*3 Only for countries with hot climate

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

https://www.automotive-manuals.net/
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

J179  Automatic glow period control unit
J623  Engine control unit
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C, Fuse 35 on fuse holder C

G39  Lambda probe
J623  Engine control unit
N276  Fuel pressure regulating valve
N290  Fuel metering valve
SC12  Fuse 12 on fuse holder C
SC35  Fuse 35 on fuse holder C
T6t   6-pin connector, front right in engine compartment, black
T18   18-pin connector, near engine control unit, black
T60   60-pin connector, black
T94a  94-pin connector, black
Z19   Lambda probe heater

D106  Connection 4 in engine compartment wiring harness
* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- **G83** Radiator outlet coolant temperature sender
- **G235** Exhaust gas temperature sender 1
- **G495** Exhaust gas temperature sender 3
- **G648** Exhaust gas temperature sender 4
- **J623** Engine control unit
- **T2q** 2-pin connector, in front right wheel housing, black
- **T2r** 2-pin connector, in front right wheel housing, orange
- **T2s** 2-pin connector, in front right wheel housing, brown
- **T94a** 94-pin connector, black

<B566> Connection 33, in main wiring harness

* Only models with Euro 5 emission standard

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Engine control unit, Charge pressure control solenoid valve, Exhaust gas recirculation cooler changeover valve, Fuse 13 on fuse holder C, Fuse 65 on fuse holder C

- SC13: Fuse 13 on fuse holder C
- SC65: Fuse 65 on fuse holder C
- T18: 18-pin connector, near engine control unit, black
- T60: 60-pin connector, black
- T94a: 94-pin connector, black
- B568: Connection 35, in main wiring harness
- B570: Connection 37, in main wiring harness

* Only models with Euro 5 emission standard

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

Current Flow Diagram

No. 68 / 8

https://www.automotive-manuals.net/
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit, Fuse 5 on fuse holder C

G70  Air mass meter
G79  Accelerator position sender
G185 Accelerator position sender 2
J623  Engine control unit
SC5  Fuse 5 on fuse holder C
T4i  4-pin connector, black
T6g  6-pin connector, black
T94a  94-pin connector, black

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

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

- G31 Charge pressure sender
- G42 Intake air temperature sender
- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- J623 Engine control unit
- T3d 3-pin connector, black
- T4h 4-pin connector, black
- T4k 4-pin connector, black
- T18a 18-pin connector, near engine control unit, grey
- T94a 94-pin connector, black

(B565 Connection 32, in main wiring harness)
(B567 Connection 34, in main wiring harness)

* Only models with Euro 3 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Brake light switch, Engine control unit

- F       Brake light switch
- J104    ABS control unit
- J623    Engine control unit
- SC42    Fuse 42 on fuse holder C
- T4c     4-pin connector, black
- T17e    17-pin connector, near handbrake lever, red
- T94a    94-pin connector, black

- 44      Earth point, lower part of left A-pillar
- 366     Earth connection 1, in main wiring harness
- 371     Earth connection 6, in main wiring harness
- A2      Positive connection (15), in dash panel wiring harness
- B482    Connection 18, in main wiring harness

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

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Radiator fan, Coolant circulation pump.

- J293  Radiator fan control unit
- J623  Engine control unit
- SC14  Fuse 14 on fuse holder C
- T3w  3-pin connector, black
- T4k  4-pin connector, on radiator cowling, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- T94a 94-pin connector, black
- V7  Radiator fan
- V50  Coolant circulation pump

- 375  Earth connection 10, in main wiring harness
- 655  Earth point, on left headlight
- B613  Connection 41, in main wiring harness

* Only for countries with hot climate

\[ ws = \text{white} \]
\[ sw = \text{black} \]
\[ ro = \text{red} \]
\[ br = \text{brown} \]
\[ gn = \text{green} \]
\[ bl = \text{blue} \]
\[ gr = \text{grey} \]
\[ li = \text{purple} \]
\[ ge = \text{yellow} \]
\[ or = \text{orange} \]
\[ rs = \text{pink} \]

No. 68 / 12

https://www.automotive-manuals.net/
Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

J623  Engine control unit
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T60  60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Engine control unit, Exhaust gas recirculation valve

G28  Engine speed sender  
G40  Hall sender  
G212 Exhaust gas recirculation potentiometer  
G247 Fuel pressure sender  
J623 Engine control unit  
N18 Exhaust gas recirculation valve  
T3q 3-pin connector  
T3r 3-pin connector, on front of engine, black  
T3s 3-pin connector  
T6ao 6-pin connector  
T60 60-pin connector, black

Connection 1 in engine compartment wiring harness  
Connection 3 in engine compartment wiring harness

Current Flow Diagram

https://www.automotive-manuals.net/

- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- N79 Heater element for crankcase breather
- SC25 Fuse 25 on fuse holder C
- T3u 3-pin connector
- T5m 5-pin connector
- T60 60-pin connector, black
- V157 Intake manifold flap motor

- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight
- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness

* Only models with crankcase breather heater element

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

Current Flow Diagram

No. 68 / 17

Fuel delivery unit, Oil level and oil temperature sender, Dash panel insert

- G Fuel gauge sender
- G1 Fuel gauge
- GX1 Fuel delivery unit
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G266 Oil level and oil temperature sender
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K105 Reserve fuel warning lamp
- T3m 3-pin connector
- T5g 5-pin connector
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

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

https://www.automotive-manuals.net/
Immobiliser reader coil, Oil pressure switch, Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- G21 Speedometer
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K38 Oil level warning lamp
- K132 Electronic power control fault lamp
- T2at 2-pin connector, orange
- T18 18-pin connector, near engine control unit, black
- T32 32-pin connector

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
bi = blue
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Anti-theft alarm system
From June 2012
Interior monitoring switch, Interior monitoring sensor, Onboard supply control unit

- **E183** Interior monitoring switch
- **G273** Interior monitoring sensor
- **J519** Onboard supply control unit, near driver side A-pillar
- **SC45** Fuse 45 on fuse holder C
- **T4ba** 4-pin connector, black
- **T4bc** 4-pin connector, brown
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **W1** Front interior light
- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **A29** Connection (interior light), in dash panel wiring harness
- **A209** Connection 1 (LIN bus) in dash panel wiring harness
- **B316** Positive connection 2 (30a) in main wiring harness
- **R4** Connection 1, in interior light/door contact switch wiring harness

* From February 2013

Current Flow Diagram

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Onboard supply control unit, Driver door lock unit, Rear left door lock unit

J519  Onboard supply control unit, near driver side A-pillar
T6ar  6-pin connector
T8e  8-pin connector
T28  28-pin connector, on left B-pillar
T28a  28-pin connector, on left A-pillar
T73a  73-pin connector, black
VX21  Driver door lock unit
VX23  Rear left door lock unit

205  Earth connection, in driver door wiring harness
367  Earth connection 2, in main wiring harness
372  Earth connection 7, in main wiring harness

Current Flow Diagram

No. 69 / 4

https://www.automotive-manuals.net/
Onboard supply control unit, Front passenger door lock unit,
Rear right door lock unit

- J519: Onboard supply control unit, near driver side A-pillar
- T6af: 6-pin connector
- T6as: 6-pin connector
- T28c: 28-pin connector, on right B-pillar
- T73a: 73-pin connector, black
- VX22: Front passenger door lock unit
- VX24: Rear right door lock unit

- 206: Earth connection, in front passenger door wiring harness
- 367: Earth connection 2, in main wiring harness
- 372: Earth connection 7, in main wiring harness

Current Flow Diagram

No. 69 / 5

https://www.automotive-manuals.net/
Onboard supply control unit, Rear right door lock unit

- J519 Onboard supply control unit
- T6as 6-pin connector
- T8f 8-pin connector
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, on right B-pillar
- T73a 73-pin connector, black
- VX21 Driver door lock unit
- VX24 Rear right door lock unit

- 206 Earth connection, in front passenger door wiring harness
- 367 Earth connection 2, in main wiring harness
- 372 Earth connection 7, in main wiring harness

* Only right-hand drive models

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Onboard supply control unit, Front passenger door lock unit, Rear left door lock unit

- **J519**: Onboard supply control unit
- **T6ar**: 6-pin connector
- **T6z**: 6-pin connector
- **T28**: 28-pin connector, on left B-pillar
- **T28a**: 28-pin connector, on left A-pillar
- **T73a**: 73-pin connector, black
- **VX22**: Front passenger door lock unit
- **VX23**: Rear left door lock unit

- **205**: Earth connection, in driver door wiring harness
- **372**: Earth connection 7, in main wiring harness

*Only right-hand drive models*

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

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https://www.automotive-manuals.net/
2.0l diesel engine, CNEA
From June 2012
Battery, Starter, Starter motor relay, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A

A Battery
B Starter
J53 Starter motor relay
SA Fuse holder A
SA4 Fuse 4 in fuse holder A
SA5 Fuse 5 in fuse holder A
T18a 18-pin connector, near engine control unit

1 Earth strap, battery - body
B479 Connection 15, in main wiring harness
TV1 Wiring junction
* Only for countries with hot climate
Alternator with voltage regulator, Fuel pump relay, Engine control unit, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B

CX1 Alternator with voltage regulator
J17 Fuel pump relay
J623 Engine control unit, near battery
SA Fuse holder A
SA1 Fuse 1 in fuse holder A
SB2 Fuse 2 on fuse holder B
T2y 2-pin connector, front left in engine compartment, black
T18 18-pin connector, near engine control unit, black
T94a 94-pin connector, black
B564 Connection 31, in main wiring harness
B569 Connection 36, in main wiring harness
TV1 Wiring junction
* Only for countries with hot climate

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

https://www.automotive-manuals.net/
Clutch pedal switch, Main relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 36 on fuse holder C

- **F36** Clutch pedal switch
- **J271** Main relay, on relay carrier
- **J317** Terminal 30 voltage supply relay, on relay carrier
- **J403** Auxiliary coolant heater relay
- **J623** Engine control unit, near battery
- **SC10** Fuse 10 on fuse holder C
- **SC15** Fuse 15 on fuse holder C
- **SC23** Fuse 23 on fuse holder C
- **SC36** Fuse 36 on fuse holder C
- **T94a** 94-pin connector, black
- **V55** Circulation pump
- **B564** Connection 31, in main wiring harness

* Only models with no air conditioning system/Climatronic

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
J179  Automatic glow period control unit, near left headlight
J623  Engine control unit, near battery
Q10   Glow plug 1
Q11   Glow plug 2
Q12   Glow plug 3
Q13   Glow plug 4
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

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

https://www.automotive-manuals.net/
Lambda probe, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C, Fuse 35 on fuse holder C

- G39  Lambda probe
- J623  Engine control unit, near battery
- N276  Fuel pressure regulating valve
- N290  Fuel metering valve
- SC12  Fuse 12 on fuse holder C
- SC35  Fuse 35 on fuse holder C
- T6t  6-pin connector, front right in engine compartment, black
- T18  18-pin connector, near engine control unit, black
- T60  60-pin connector, black
- T94a  94-pin connector, black
- Z19  Lambda probe heater

D106  Connection 4 in engine compartment wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

- G83 Radiator outlet coolant temperature sender
- G235 Exhaust gas temperature sender 1
- G495 Exhaust gas temperature sender 3
- G648 Exhaust gas temperature sender 4
- J623 Engine control unit, near battery
- T2q 2-pin connector, black
- T2r 2-pin connector, orange
- T2s 2-pin connector, brown
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- T94a 94-pin connector, black

- B566 Connection 33, in main wiring harness
  * Only models with Euro 5 emission standard
  *2 Only models with Euro 5 plus emission standard (7MJ)

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

https://www.automotive-manuals.net/
Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve, Fuse 13 on fuse holder C, Fuse 65 on fuse holder C

J623 Engine control unit, near battery
N75 Charge pressure control solenoid valve
N220 Exhaust flap valve
N345 Exhaust gas recirculation cooler changeover valve
SC13 Fuse 13 on fuse holder C
SC65 Fuse 65 on fuse holder C
T18 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black

(B568) Connection 35, in main wiring harness
(B570) Connection 37, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with Euro 5 plus emission standard (7MJ)

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

https://www.automotive-manuals.net/
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit, Fuse 5 on fuse holder C

- G70: Air mass meter
- G79: Accelerator position sender
- G185: Accelerator position sender 2
- J623: Engine control unit, near battery
- SC5: Fuse 5 on fuse holder C
- T4i: 4-pin connector, black
- T6ag: 6-pin connector
- T94a: 94-pin connector, black

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

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

- **G31** Charge pressure sender
- **G42** Intake air temperature sender
- **G71** Intake manifold pressure sender
- **G450** Exhaust gas pressure sensor 1
- **J623** Engine control unit, near battery
- **T3i** 3-pin connector, black
- **T4h** 4-pin connector, black
- **T4k** 4-pin connector, black
- **T18** 18-pin connector, near engine control unit, black
- **T94a** 94-pin connector, black

- **B565** Connection 32, in main wiring harness
- **B567** Connection 34, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with Euro 5 plus emission standard (7MJ)

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Brake light switch, Engine control unit

F  Brake light switch
J104  ABS control unit
J623  Engine control unit, near battery
SC42  Fuse 42 on fuse holder C
T4c  4-pin connector, black
T42  42-pin connector, near handbrake lever, black
T94a  94-pin connector, black

42  Earth point, next to steering column
44  Earth point, lower part of left A-pillar
366  Earth connection 1, in main wiring harness
371  Earth connection 6, in main wiring harness
A2  Positive connection (15), in dash panel wiring harness
B482  Connection 18, in main wiring harness

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Radiator fan, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit, near battery
- SC14 Fuse 14 on fuse holder C
- T3w 3-pin connector
- T4k 4-pin connector, on radiator cowling, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump

- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B613 Connection 41, in main wiring harness

* Only models with Euro 5 plus emission standard (7MJ)
*2 Only for countries with hot climate

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

https://www.automotive-manuals.net/
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62 Coolant temperature sender
J623 Engine control unit, near battery
N30 Injector, cylinder 1
N31 Injector, cylinder 2
N32 Injector, cylinder 3
N33 Injector, cylinder 4
T60 60-pin connector, black
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

G40  Hall sender
G212  Exhaust gas recirculation potentiometer
G247  Fuel pressure sender
G447  Charge pressure sender 2, on turbocharger air recirculation valve
J623  Engine control unit, near battery
N18  Exhaust gas recirculation valve
T3r  3-pin connector, on front of engine, black
T3s  3-pin connector, black
T3t  3-pin connector
T6ar  6-pin connector, black
T18  18-pin connector, near engine control unit, black
T60  60-pin connector, black

D101  Connection 1 in engine compartment wiring harness
D102  Connection 2 in engine compartment wiring harness
D103  Connection 3 in engine compartment wiring harness
D107  Connection 5 in engine compartment wiring harness

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

G28 Engine speed sender  
G69 Throttle valve potentiometer  
G81 Fuel temperature sender  
G581 Position sender for charge pressure positioner  
J338 Throttle valve module  
J623 Engine control unit, near battery  
N79 Heater element for crankcase breather  
SC25 Fuse 25 on fuse holder C  
T3q 3-pin connector, black  
T3u 3-pin connector, black  
T5m 5-pin connector  
T60 60-pin connector, black  
V157 Intake manifold flap motor

369 Earth connection 4, in main wiring harness  
656 Earth point, on right headlight  
D101 Connection 1 in engine compartment wiring harness  
D103 Connection 3 in engine compartment wiring harness

* Only models with crankcase breather heater element

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

https://www.automotive-manuals.net/
Cruise control system switch, Automatic gearbox control unit, Onboard supply control unit, Engine control unit

- E45 Cruise control system switch
- E595 Steering column combination switch
- J217 Automatic gearbox control unit
- J519 Onboard supply control unit
- J623 Engine control unit, near battery
- T14b 14-pin connector, near battery, black
- T16a 16-pin connector
- T16q 16-pin connector
- T41 41-pin connector, grey
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- T94a 94-pin connector, black
- U31 Diagnostic connection

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)
*3 see applicable current flow diagram for automatic gearbox

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

https://www.automotive-manuals.net/
Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- T18 18-pin connector, near engine control unit, black
- T32 32-pin connector, blue

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

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

Current Flow Diagram

No. 70 / 17

https://www.automotive-manuals.net/
Oil level and oil temperature sender, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- J285 Control unit in dash panel insert
- K Dash panel insert
- K132 Electronic power control fault lamp
- T3m 3-pin connector, black
- T5g 5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector, blue

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness

* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Multifunction steering wheel
From June 2012
Steering column combination switch, Multifunction steering wheel control unit, Fuse 42 on fuse holder C, Fuse 45 on fuse holder C

- E440: Multifunction buttons on left in steering wheel
- E595: Steering column combination switch
- F138: Airbag coil connector and return ring with slip ring
- G85: Steering angle sender
- J285: Control unit in dash panel insert
- J453: Multifunction steering wheel control unit, in steering wheel
- J519: Onboard supply control unit
- SC42: Fuse 42 on fuse holder C
- SC45: Fuse 45 on fuse holder C
- T5p: 5-pin connector, black
- T12b: 12-pin connector, yellow
- T41: 41-pin connector, grey
- T73b: 73-pin connector, colourless

- A2: Positive connection (15), in dash panel wiring harness
- B316: Positive connection 2 (30a) in main wiring harness
- B528: Connection 1 (LIN bus) in main wiring harness

* Up to January 2013
*2 Only models with electric window regulators
*3 Only vehicles without electric window regulators
*4 Flat conductor
*5 From February 2013

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Steering column combination switch, Airbag control unit

- E595: Steering column combination switch
- F138: Airbag coil connector and return ring with slip ring
- H: Horn plate, in steering wheel
- J234: Airbag control unit
- N95: Driver side airbag igniter, in steering wheel
- T1r: Single connector, black
- T1s: Single connector, black
- T1t: Single connector, black
- T1z: Single connector, black
- T10l: 10-pin connector, on left under dash panel, blue
- T12b: 12-pin connector, yellow
- T17h: 17-pin connector, on left under dash panel, blue
- T41: 41-pin connector, grey
- T50: 50-pin connector, light green

- 32: Earth point, on left behind dash panel
- 42: Earth point, next to steering column
- 371: Earth connection 6, in main wiring harness

* From February 2013

Current Flow Diagram

https://www.automotive-manuals.net/
8-speed automatic gearbox with Tiptronic, (G1G)
From June 2012
Tiptronic switch, Gearbox, Ignition key withdrawal lock solenoid, Fuse 58 on fuse holder C, Selector lever position display

- F189 Tiptronic switch
- J217 Automatic gearbox control unit, in gearbox
- NX1 Gearbox
- N110 Selector lever lock solenoid
- N215 Automatic gearbox pressure regulating valve 1
- N216 Automatic gearbox pressure regulating valve 2
- N218 Automatic gearbox pressure regulating valve 4
- N376 Ignition key withdrawal lock solenoid
- SC58 Fuse 58 on fuse holder C
- T10k 10-pin connector, in centre console, near handbrake lever, black
- T16q 16-pin connector, black
- T18a 18-pin connector, near battery, grey
- Y6 Selector lever position display

(B320) Positive connection 6 (30a) in main wiring harness

Legend:

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

https://www.automotive-manuals.net/
Light switch, Tiptronic switch, Gearbox

- E1: Light switch
- F189: Tiptronic switch
- F305: Gear selector position P switch
- F319: Selector lever locked in position P switch
- J217: Automatic gearbox control unit, in gearbox
- NX1: Gearbox
- N217: Automatic gearbox pressure regulating valve 3
- N233: Automatic gearbox pressure regulating valve 5
- N371: Automatic gearbox pressure regulating valve 6
- N380: Selector lever position P solenoid
- N443: Automatic gearbox pressure regulating valve 7
- SC10: Fuse 10 on fuse holder C
- T10j: 10-pin connector
- T10k: 10-pin connector, in centre console, near handbrake lever, black
- T16q: 16-pin connector
- T17: 17-pin connector
- T17g: 17-pin connector, near handbrake lever, black
- * Only models with no start/stop system
- *2 Only models with start/stop system

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

https://www.automotive-manuals.net/
Hardtop
From June 2012
Heated rear window button, Brake light switch, Onboard supply control unit, Fuse 42 on fuse holder C

- E230 Heated rear window button
- F Brake light switch
- J519 Onboard supply control unit
- M9 Left brake light bulb
- M10 Right brake light bulb
- SC42 Fuse 42 on fuse holder C
- T6a 6-pin connector, on rear roof module, black
- T6ah 6-pin connector
- T17d 17-pin connector, on left under dash panel
- T17e 17-pin connector, near handbrake lever, red
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- A2 Positive connection (15), in dash panel wiring harness
- B335 Connection 1 (54), in main wiring harness
- W1 Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for basic equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Onboard supply control unit, Terminal 30 relay, Fuse 5 on fuse holder B, Heated rear window

- **J519** Onboard supply control unit
- **J977** Terminal 30 relay, near rear lid, behind moulded headliner
- **SB5** Fuse 5 on fuse holder B
- **T1c** Single connector, near left C-pillar
- **T2by** 2-pin connector, Coupling point for rear lid, black
- **T2bz** 2-pin connector, in rear left side panel, black
- **T6km** 6-pin connector, near rear lid, behind moulded headliner, black
- **T73b** 73-pin connector, colourless
- **Z1** Heated rear window

- **252** Earth connection, in optional equipment wiring harness
- **259** Earth connection 2, in optional equipment wiring harness
- **662** Earth point, rear left side panel
- * Wiring open end

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**Legend:**
- **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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https://www.automotive-manuals.net/
Load area illumination switch, Fuse 9 on fuse holder C

- **E1**: Light switch
- **E481**: Load area illumination switch, near radio
- **K287**: Function monitor warning lamp
- **L76**: Button illumination bulb
- **SC9**: Fuse 9 on fuse holder C
- **T6a**: 6-pin connector, on rear roof module, black
- **T6al**: 6-pin connector, blue
- **T6km**: 6-pin connector, near rear lid, behind moulded headliner, black
- **T10l**: 10-pin connector, on left under dash panel, blue
- **T17c**: 17-pin connector, on left under dash panel
- **T17d**: 17-pin connector, on left under dash panel
- **T17h**: 17-pin connector, on left under dash panel, blue

**Earthing and Connecting Points:**
- **44**: Earth point, lower part of left A-pillar
- **61**: Earth point, left C-pillar
- **110**: Earth connection 2, in dash panel wiring harness
- **366**: Earth connection 1, in main wiring harness
- **370**: Earth connection 5, in main wiring harness
- **A7**: Positive connection (58 D1), in dash panel wiring harness
- **B472**: Connection 8, in main wiring harness

*Up to January 2013*
*2 From February 2013*
Rear interior light button, Control unit for special installations, Additional brake light bulb, Load area illumination bulb

E327  Rear interior light button, in left D-pillar
J980  Control unit for special installations, near rear lid, behind moulded headliner
M25   Additional brake light bulb
M53   Load area illumination bulb
T2ca  2-pin connector, Coupling point for rear lid, black
T4bd  4-pin connector, black
T6km  6-pin connector, near rear lid, behind moulded headliner, black
T8i   8-pin connector
W64   Interior light

Earth connection 3, in optional equipment wiring harness
*  Wiring open end

ws = white
sw = black
ro = red
br = brown
gn = green
gn = grey
li = purple
gp = yellow
or = orange
rs = pink
Interface for external use, (UF1)
From June 2012
Onboard supply control unit, Voltage supply relay 2, Fuse 2 in fuse holder A, Fuse 31 on fuse holder C, Fuse 69 on fuse holder C, Fuse 72 on fuse holder C

- J329 Terminal 15 voltage supply relay
- J519 Onboard supply control unit
- J710 Voltage supply relay 2, on relay carrier
- SA2 Fuse 2 in fuse holder A
- SB6 Fuse 6 on fuse holder B
- SC31 Fuse 31 on fuse holder C
- SC69 Fuse 69 on fuse holder C
- SC72 Fuse 72 on fuse holder C

- T6h 6-pin connector, in front centre console, grey
- T10h 10-pin connector, in left footwell, near centre console, purple
- T73b 73-pin connector, colourless

- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- B279 Positive connection 3 (15a) in main wiring harness
- B349 Connection 2 (75a), in main wiring harness
- B490 Connection 26, in main wiring harness

* Only models with no start/stop system

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Current Flow Diagram

No. 74 / 2

https://www.automotive-manuals.net/
Current Flow Diagram

Onboard supply control unit, Fuse 7 on fuse holder C, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C, Fuse 71 on fuse holder C

- D9: Electronic ignition lock
- J519: Onboard supply control unit
- M30: Left headlight main beam bulb
- M32: Right headlight main beam bulb
- SC7: Fuse 7 on fuse holder C
- SC30: Fuse 30 on fuse holder C
- SC32: Fuse 32 on fuse holder C
- SC71: Fuse 71 on fuse holder C
- T6f: 6-pin connector, black
- T6h: 6-pin connector, in front centre console, grey
- T10b: 10-pin connector, in left footwell, near centre console, yellow
- T10h: 10-pin connector, in left footwell, near centre console, purple
- T73a: 73-pin connector, black

- A104: Positive connection 2 (15), in dash panel wiring harness
- B475: Connection 11, in main wiring harness
- B477: Connection 13, in main wiring harness
- B478: Connection 14, in main wiring harness
- B489: Connection 25, in main wiring harness

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

https://www.automotive-manuals.net/
Onboard supply control unit

E595  Steering column combination switch
J519  Onboard supply control unit
M1    Left side light bulb
M4    Left tail light bulb
M17   Right reversing light bulb
T10b  10-pin connector, in left footwell, near centre console, yellow
T10h  10-pin connector, in left footwell, near centre console, purple
T17e  17-pin connector, near handbrake lever, red
T18a  18-pin connector, near engine control unit, grey
T41   41-pin connector, grey
T73a  73-pin connector, black
T73b  73-pin connector, colourless

B474  Connection 10, in main wiring harness
B483  Connection 19, in main wiring harness
B520  Connection (RL), in main wiring harness
B537  Connection 28, in main wiring harness
B538  Connection 29, in main wiring harness
W3    Connection in rear wiring harness

* Only models with manual gearbox
*2 Only models with no automatic headlight control with coming home
*3 Only models with automatic driving lights control
*4 Only models with automatic gearbox

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

https://www.automotive-manuals.net/
Onboard supply control unit

- H2 Treble horn
- H7 Bass horn
- J519 Onboard supply control unit
- M9 Left brake light bulb
- M10 Right brake light bulb
- M25 Additional brake light bulb
- T6h 6-pin connector, in front centre console, grey
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T17e 17-pin connector, near handbrake lever, red
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- B335 Connection 1 (54), in main wiring harness
- B521 Connection (dual tone horn), in main wiring harness
- W1 Positive connection 1 (54), in rear wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Light switch, Onboard supply control unit

- E1 Light switch
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- SC60 Fuse 60 on fuse holder C
- T10h 10-pin connector, in left footwell, near centre console, purple
- T10j 10-pin connector, black
- T17 17-pin connector, black
- T73b 73-pin connector, colourless

- B472 Connection 8, in main wiring harness
- B484 Connection 20, in main wiring harness
- X131 Connection 4, in optional equipment wiring harness

* see applicable current flow diagram for exterior lighting
*2 Only models with no automatic headlight control with coming home
*3 Only models with fog lights
*4 Only models with automatic driving lights control

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

https://www.automotive-manuals.net/
Onboard supply control unit, Fuse 29 on fuse holder C, Fuse 55 on fuse holder C

- E102 Headlight range control regulator
- J25 Headlight relay
- J519 Onboard supply control unit
- M29 Left headlight dipped beam bulb
- M31 Right headlight dipped beam bulb
- SC29 Fuse 29 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T10h 10-pin connector, in left footwell, near centre console, purple
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

(B486) Connection 22, in main wiring harness
(B487) Connection 23, in main wiring harness
(X130) Connection 3, in optional equipment wiring harness

* Only models with no automatic headlight control with coming home
*2 Only models with automatic driving lights control
*3 see applicable current flow diagram for fuse assignment

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

https://www.automotive-manuals.net/
Parking brake contact switch, Dash panel insert, Radio

F321 Parking brake contact switch
G21 Speedometer
J285 Control unit in dash panel insert
K Dash panel insert
K1 Main beam warning lamp
K139 Handbrake warning lamp
R Radio
T10b 10-pin connector, in left footwell, near centre console, yellow
T17b 17-pin connector, on left under dash panel, brown
T32 32-pin connector, blue
A49 Connection 1, in dash panel wiring harness
B468 Connection 4, in main wiring harness

* Speed signal
*2 Only models with radio

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

https://www.automotive-manuals.net/
Preparation for mobile telephone, (9W7)
From June 2012
Onboard supply control unit, Telephone controls control unit, Fuse 45 on fuse holder C

J519 Onboard supply control unit
J738 Telephone controls control unit, under centre console
SC45 Fuse 45 on fuse holder C
T16 16-pin connector, black
T54 54-pin connector, black
T73b 73-pin connector, colourless
U31 Diagnostic connection

43 Earth point, lower part of right A-pillar
367 Earth connection 2, in main wiring harness
373 Earth connection 8, in main wiring harness
A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B316 Positive connection 2 (30a) in main wiring harness

* Cross-section 1.5 possible

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

https://www.automotive-manuals.net/
**Current Flow Diagram**

**J738** Telephone controls control unit, Radio/RNS

- RX1 Radio/RNS
- R38 Telephone microphone
- T12d 12-pin connector, green
- T17b 17-pin connector, on left under dash panel, brown
- T17d 17-pin connector, on left under dash panel, green
- T17h 17-pin connector, on left under dash panel, blue
- T54 54-pin connector, black

* Only models with radio navigation system RNS 510

**Legend**

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

Telephone controls control unit, under centre console

Radio/RNS

Telephone microphone

12-pin connector, green

17-pin connector, on left under dash panel, brown

17-pin connector, on left under dash panel, green

17-pin connector, on left under dash panel, blue

54-pin connector, black

**Current Flow Diagram No. 75 / 3**

[Diagram Image]

[Website URL] https://www.automotive-manuals.net/
Current Flow Diagram

Emergency assistance call button, Telephone controls control unit, Telephone microphone

- **E1** Light switch
- **E276** Emergency assistance call button, near interior mirror
- **J738** Telephone controls control unit, under centre console
- **L76** Button illumination bulb
- **R38** Telephone microphone, near interior mirror
- **T6kl** 6-pin connector, brown
- **T54** 54-pin connector, black

- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **B472** Connection 8, in main wiring harness

* Only models with no navigation system

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

Emergency assistance call button, Telephone controls control unit, Telephone microphone

- **E1** Light switch
- **E276** Emergency assistance call button, near interior mirror
- **J738** Telephone controls control unit, under centre console
- **L76** Button illumination bulb
- **R38** Telephone microphone, near interior mirror
- **T6kl** 6-pin connector, brown
- **T54** 54-pin connector, black

- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **B472** Connection 8, in main wiring harness

* Only models with no navigation system

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

https://www.automotive-manuals.net/
Ignition/starter switch, Light switch, Fuse 67 on fuse holder C

D  Ignition/starter switch
E1  Light switch
SC67  Fuse 67 on fuse holder C
T8c  8-pin connector, in slot for radio, centre of dash panel, black
T17b  17-pin connector, on relay carrier, brown
T17c  17-pin connector, on left under dash panel
T28a  28-pin connector, on left A-pillar, black

44  Earth point, lower part of left A-pillar
268  Earth connection 2, in front passenger side door wiring harness
734  Earth point in front left door
A7  Positive connection (58 D1), in dash panel wiring harness
B472  Connection 8, in main wiring harness
B489  Connection 25, in main wiring harness
V28  Connection 1, in radio wiring harness

*  From February 2013
*2  Up to January 2013

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

https://www.automotive-manuals.net/
Dash panel insert, Aerial, Aerial amplifier

- G21 Speedometer
- J285 Control unit in dash panel insert
- K Dash panel insert
- R11 Aerial, in front passenger side exterior mirror housing
- R24 Aerial amplifier
- T2au 2-pin connector, in left door, near exterior mirror
- T2bo 2-pin connector
- T8c 8-pin connector, in slot for radio, centre of dash panel, black
- T17b 17-pin connector, on relay carrier, brown
- T28a 28-pin connector, on left A-pillar, black
- T32 32-pin connector
- B468 Connection 4, in main wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Front left loudspeaker, Front right loudspeaker

R2  Front left loudspeaker
R3  Front right loudspeaker
T4s 4-pin connector
T4w 4-pin connector
T8b 8-pin connector, in slot for radio, centre of dash panel, brown
T17c 17-pin connector, on left under dash panel
T28a 28-pin connector, on left A-pillar, black
T28b 28-pin connector, on right A-pillar, black
  * Only left-hand drive models
  *2 Only right-hand drive models

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Radio system, (8AN),(8AG)
From June 2012
Electronic ignition lock, Light switch, Radio, Fuse 67 on fuse holder C

- D9: Electronic ignition lock
- E1: Light switch
- R: Radio
- SC67: Fuse 67 on fuse holder C
- T8c: 8-pin connector, black
- T17b: 17-pin connector, on relay carrier, brown
- T17c: 17-pin connector, on left under dash panel
- T28a: 28-pin connector, black

44: Earth point, lower part of left A-pillar
268: Earth connection 2, in front passenger side door wiring harness
734: Earth point in front left door
A7: Positive connection (58 D1), in dash panel wiring harness
B472: Connection 8, in main wiring harness
B489: Connection 25, in main wiring harness
V28: Connection 1, in radio wiring harness

* From February 2013
*2 Up to January 2013

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

https://www.automotive-manuals.net/
Dash panel insert, Radio, Front left loudspeaker, Front right loudspeaker, Diagnostic connection

- G21  Speedometer
- J285  Control unit in dash panel insert
- K   Dash panel insert
- R   Radio
- R2  Front left loudspeaker
- R3  Front right loudspeaker
- T4s  4-pin connector
- T4w  4-pin connector
- T8b  8-pin connector, brown
- T8c  8-pin connector, black
- T17b 17-pin connector, on left under dash panel, brown
- T17c 17-pin connector, on left under dash panel
- T28a 28-pin connector, black
- T28b 28-pin connector, on right A-pillar, black
- T32  32-pin connector
- U31 Diagnostic connection

- B468 Connection 4, in main wiring harness
- B625 Connection (K-diagnosis wire), in main wiring harness

* Only models with 2 loudspeakers (8RD)

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

Current Flow Diagram

No. 77 / 3

[Link to the page on the website]
Radio, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

R Radio
R4 Rear left loudspeaker
R20 Front left treble loudspeaker
R21 Front left bass loudspeaker
T2m 2-pin connector
T4ad 4-pin connector
T4s 4-pin connector
T8b 8-pin connector, brown
T17c 17-pin connector, on left under dash panel
T28 28-pin connector, black
T28a 28-pin connector, black

V7 Connection (positive, front left loudspeaker), in loudspeaker wiring harness
V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

https://www.automotive-manuals.net/
Radio, Rear right loudspeaker, Aerial, Front right treble loudspeaker, Front right bass loudspeaker, Aerial amplifier

- **R** Radio
- **R5** Rear right loudspeaker
- **R11** Aerial
- **R22** Front right treble loudspeaker
- **R23** Front right bass loudspeaker
- **R24** Aerial amplifier
- **T2au** 2-pin connector, in left door, near exterior mirror, black
- **T2az** 2-pin connector
- **T2o** 2-pin connector
- **T4af** 4-pin connector
- **T4w** 4-pin connector
- **T8b** 8-pin connector, brown
- **T17c** 17-pin connector, on left under dash panel
- **T28a** 28-pin connector, black
- **T28b** 28-pin connector, on right A-pillar, black
- **T28c** 28-pin connector, on right B-pillar, black

Connection (positive, front right loudspeaker), in loudspeaker wiring harness

Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Radio system, (8UA),(8AE),(8DD)
From June 2012
Radio, Connection for external audio sources

- **R**: Radio
- **R199**: Connection for external audio sources
- **T8a**: 8-pin connector, black
- **T12g**: 12-pin connector, blue
- **T17c**: 17-pin connector, on left under dash panel
- **T28a**: 28-pin connector, on left A-pillar, black
- **T28b**: 28-pin connector, on right A-pillar, black

- **43**: Earth point, lower part of right A-pillar
- **44**: Earth point, lower part of left A-pillar
- **268**: Earth connection 2, in front passenger side door wiring harness
- **477**: Earth connection (audio), in main wiring harness
- **734**: Earth point in front left door
- **735**: Earth point in front right door

* From February 1995
*2 From February 2013
*3 Up to January 2013

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**Legend:**
- **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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https://www.automotive-manuals.net/
Radio, Fuse 67 on fuse holder C, Diagnostic connection

J519 Onboard supply control unit
R Radio
SC67 Fuse 67 on fuse holder C
T8a 8-pin connector, black
T16 16-pin connector, black
T17c 17-pin connector, on left under dash panel
T73b 73-pin connector
U31 Diagnostic connection, near driver side A-pillar

A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B398 Connection 2 (convenience CAN bus, high), in main wiring harness
B407 Connection 2 (convenience CAN bus, low), in main wiring harness

V28 Connection 1, in radio wiring harness

* From February 1995
*2 Up to January 1995

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Radio, Front left loudspeaker, Front right loudspeaker, Telephone microphone

- **R** Radio
- **R2** Front left loudspeaker
- **R3** Front right loudspeaker
- **R38** Telephone microphone, near interior mirror

- **T4s** 4-pin connector
- **T4w** 4-pin connector
- **T8** 8-pin connector, brown
- **T12d** 12-pin connector, green
- **T17b** 17-pin connector, on relay carrier, brown
- **T17c** 17-pin connector, on left under dash panel
- **T28a** 28-pin connector, on left A-pillar, black
- **T28b** 28-pin connector, on right A-pillar, black

* Only models with 2 loudspeakers (8RD)
*2 Only models with mobile telephone/ preparation for mobile telephone

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

Current Flow Diagram

No. 78 / 4

https://www.automotive-manuals.net/
Radio, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- Radio (R)
- Rear left loudspeaker (R4)
- Front left treble loudspeaker (R20)
- Front left bass loudspeaker (R21)

Connectors:
- T2m 2-pin connector
- T4ad 4-pin connector
- T4s 4-pin connector
- T8 8-pin connector, brown
- T17c 17-pin connector, on left under dash panel
- T28 28-pin connector, on left B-pillar, black
- T28a 28-pin connector, on left A-pillar, black

Connections:
- V7 Connection (positive, front left loudspeaker), in loudspeaker wiring harness
- V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

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

Current Flow Diagram

https://www.automotive-manuals.net/
Radio, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- **R** Radio
- **R5** Rear right loudspeaker
- **R22** Front right treble loudspeaker
- **R23** Front right bass loudspeaker
- **T2o** 2-pin connector
- **T4af** 4-pin connector
- **T4w** 4-pin connector
- **T8** 8-pin connector, brown
- **T17c** 17-pin connector, on left under dash panel
- **T28b** 28-pin connector, on right A-pillar, black
- **T28c** 28-pin connector, on right B-pillar, black
- **V9** Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- **V10** Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)

*2 Only models with 4 or 6 loudspeakers

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Radio, Aerial, Aerial amplifier

Radio
R11 Aerial
R24 Aerial amplifier

T2au 2-pin connector, in left door, near exterior mirror, black
T2aw 2-pin connector, in right door, near exterior mirror, black
T2az 2-pin connector, colourless
T4x 4-pin connector, colourless
T28a 28-pin connector, on left A-pillar, black
T28b 28-pin connector, on right A-pillar, black

* Only models with radio RCD 310/RCD 510
*2 Only models with radio and amplifier

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

https://www.automotive-manuals.net/
Radio navigation system, (8AY), (7UC), (7UK), (7T6)
From June 2012
Control unit with display for radio and navigation,
Connection for external audio sources

- J503: Control unit with display for radio and navigation
- R199: Connection for external audio sources
- T8a: 8-pin connector, black
- T12g: 12-pin connector, blue
- T17c: 17-pin connector, on left under dash panel
- T28a: 28-pin connector, on left A-pillar, black
- T28b: 28-pin connector, on right A-pillar, black

- 43: Earth point, lower part of right A-pillar
- 44: Earth point, lower part of left A-pillar
- 268: Earth connection 2, in front passenger side door wiring harness
- 477: Earth connection (audio), in main wiring harness
- 734: Earth point in front left door
- 735: Earth point in front right door

* From February 2013
*2 According to equipment
*3 Up to January 2013

**Legend:**
- **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 for radio and navigation, Fuse 67 on fuse holder C, Diagnostic connection

- **J503**: Control unit with display for radio and navigation
- **J519**: Onboard supply control unit
- **SC67**: Fuse 67 on fuse holder C
- **T8a**: 8-pin connector, black
- **T16**: 16-pin connector, black
- **T17c**: 17-pin connector, on left under dash panel
- **T73b**: 73-pin connector, colourless
- **U31**: Diagnostic connection
  - **A146**: Connection (convenience CAN bus, high), in dash panel wiring harness
  - **A147**: Connection (convenience CAN bus, low), in dash panel wiring harness
  - **B398**: Connection 2 (convenience CAN bus, high), in main wiring harness
  - **B407**: Connection 2 (convenience CAN bus, low), in main wiring harness
  - **V28**: Connection 1, in radio wiring harness

* From February 2013
*2 Up to January 2013

- **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 for radio and navigation, Front left loudspeaker, Front right loudspeaker, Telephone microphone

- J503 Control unit with display for radio and navigation
- R2 Front left loudspeaker
- R3 Front right loudspeaker
- R38 Telephone microphone
- T4s 4-pin connector, black
- T4w 4-pin connector, black
- T8 8-pin connector, brown
- T12d 12-pin connector, green
- T17c 17-pin connector, on left under dash panel
- T28a 28-pin connector, on left A-pillar, black
- T28b 28-pin connector, on right A-pillar, black
- * Only models with 2 loudspeakers (8RD)
- *2 Only models with mobile telephone/ preparation for mobile telephone

Legend:
- 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 for radio and navigation, Rear left loudspeaker, Front left treble loudspeaker, Front left bass loudspeaker

- J503 Control unit with display for radio and navigation
- R4 Rear left loudspeaker
- R20 Front left treble loudspeaker
- R21 Front left bass loudspeaker
- T2m 2-pin connector, black
- T4ad 4-pin connector
- T4s 4-pin connector, black
- T8 8-pin connector, brown
- T17c 17-pin connector, on left under dash panel
- T28 28-pin connector, on left B-pillar, black
- T28a 28-pin connector, on left A-pillar, black
- V7 Connection (positive, front left loudspeaker), in loudspeaker wiring harness
- V8 Connection (negative, front left loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers
Control unit with display for radio and navigation, Rear right loudspeaker, Front right treble loudspeaker, Front right bass loudspeaker

- J503 Control unit with display for radio and navigation
- R5 Rear right loudspeaker
- R22 Front right treble loudspeaker
- R23 Front right bass loudspeaker
- T2o 2-pin connector, black
- T4af 4-pin connector, black
- T4w 4-pin connector, black
- T8 8-pin connector, brown
- T17c 17-pin connector, on left under dash panel
- T28b 28-pin connector, on right A-pillar, black
- T28c 28-pin connector, on right B-pillar, black

Connections:
- **V9** Connection (positive, front right loudspeaker), in loudspeaker wiring harness
- **V10** Connection (negative, front right loudspeaker), in loudspeaker wiring harness

* Only models with equipment (6-passive loudspeakers)
*2 Only models with 4 or 6 loudspeakers

Colors:
- 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 for radio and navigation, Aerial, Aerial amplifier, GPS aerial, Radio aerial 2

J503  Control unit with display for radio and navigation
R11  Aerial
R24  Aerial amplifier
R50  GPS aerial
R93  Radio aerial 2
R111  Aerial amplifier 2
T2au  2-pin connector, in left door, near exterior mirror
T2aw  2-pin connector, in right door, near exterior mirror, blue
T2ax  2-pin connector, in right door, near exterior mirror
T2ay  2-pin connector, blue
T4x  4-pin connector, colourless
T28a  28-pin connector, on left A-pillar, black
T28b  28-pin connector, on right A-pillar, black
*  Aerial connection for radio
*2  Aerial connection for GPS

For color codes:
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Air supply for toothed belt drive (engine dust kit)
From November 2012
Blower relay, Air supply blower

- **F**: Brake light switch, on brake master cylinder
- **J323**: Blower relay, near engine control unit
- **J623**: Engine control unit
- **SB5**: Fuse 5 on fuse holder B
- **T4c**: 4-pin connector, black
- **V547**: Air supply blower

- **42**: Earth point, next to steering column
- **371**: Earth connection 6, in main wiring harness
- **831**: Earth connection in air supply wiring harness (engine dust kit)
- **A2**: Positive connection (15), in dash panel wiring harness
- **B482**: Connection 18, in main wiring harness
- **D220**: Positive connection (15) in air supply wiring harness (engine dust kit)

*see applicable current flow diagram for ABS*
Auxiliary coolant heater, CFPA
From January 2013
Current Flow Diagram

Auxiliary heater control unit, Onboard supply control unit, Fuse 62 on fuse holder C, Metering pump

J364  Auxiliary heater control unit
J519  Onboard supply control unit
SC62  Fuse 62 on fuse holder C
T2ci  2-pin connector, black
T6kn  6-pin connector, black
T16   16-pin connector, black
T18a  18-pin connector, near engine control unit, grey
T73b  73-pin connector, colourless
U31   Diagnostic connection, near driver side A-pillar
V54   Metering pump

68  Earth point, on left of rear cross member
86  Earth connection 1, in rear wiring harness
368 Earth connection 3, in main wiring harness
655 Earth point, on left headlight

A146  Connection (convenience CAN bus, high), in dash panel wiring harness
A147  Connection (convenience CAN bus, low), in dash panel wiring harness
L62   Positive connection (30a), in auxiliary heater wiring harness

* Only models with air conditioning system/ Climatronic
*2 Only models with no air conditioning system/Climatronic

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

https://www.automotive-manuals.net/
Auxiliary heater control unit, Glow plug for heater, Combustion air blower

- J364 Auxiliary heater control unit
- Q9 Glow plug for heater
- V6 Combustion air blower
- V55 Circulation pump

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

Current Flow Diagram

No. 81 / 3

https://www.automotive-manuals.net/
Flame monitor, Overheating sensor, Coolant temperature sender for heater, Auxiliary heater control unit

G64 Flame monitor
G189 Overheating sensor
G241 Coolant temperature sender for heater
J364 Auxiliary heater control unit

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Reversing camera (Rear Assist)
From January 2013
Onboard supply control unit, Reversing camera system control unit

J519 Onboard supply control unit
J772 Reversing camera system control unit
SC22 Fuse 22 on fuse holder C
T17c 17-pin connector, on left under dash panel, white
T17h 17-pin connector, on left under dash panel, blue
T54a 54-pin connector, light blue
T73b 73-pin connector, white

32 Earth point, on left behind dash panel
366 Earth connection 1, in main wiring harness
A146 Connection (convenience CAN bus, high), in dash panel wiring harness
A147 Connection (convenience CAN bus, low), in dash panel wiring harness
B398 Connection 2 (convenience CAN bus, high), in main wiring harness
B407 Connection 2 (convenience CAN bus, low), in main wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
g = yellow
or = orange
rs = pink
Control unit with display for radio and navigation, Reversing camera system control unit

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>J503</td>
<td>Control unit with display for radio and navigation</td>
</tr>
<tr>
<td>J772</td>
<td>Reversing camera system control unit</td>
</tr>
<tr>
<td>T26</td>
<td>26-pin connector, black</td>
</tr>
<tr>
<td>T54a</td>
<td>54-pin connector, light blue</td>
</tr>
<tr>
<td>382</td>
<td>Earth connection 17, in main wiring harness</td>
</tr>
<tr>
<td>383</td>
<td>Earth connection 18, in main wiring harness</td>
</tr>
<tr>
<td>384</td>
<td>Earth connection 19, in main wiring harness</td>
</tr>
</tbody>
</table>

Legend:
- sw = white
- bl = black
- ro = red
- br = brown
- gn = green
- li = green
- ge = grey
- or = orange
- rs = pink

Current Flow Diagram

Amarok
Control unit with display for radio and navigation, Reversing camera system control unit, Reversing camera

J503  Control unit with display for radio and navigation
J772  Reversing camera system control unit
R189  Reversing camera
T1as  Single connector, near handbrake lever, grey
T1at  Single connector, grey
T2cu  2-pin connector, black, in rear lid
T17f  17-pin connector, near handbrake lever, blue
T17h  17-pin connector, on left under dash panel, blue
T26  26-pin connector, black
T54a  54-pin connector, light blue
T117h  Earth connection 17, in main wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Interface for external use
From January 2013
Voltage supply relay 2, Fuse 2 in fuse holder A, Fuse 31 on fuse holder C, Fuse 69 on fuse holder C, Fuse 72 on fuse holder C

- J16 Current supply relay
- J329 Terminal 15 voltage supply relay
- J710 Voltage supply relay 2, on relay carrier
- SA2 Fuse 2 in fuse holder A
- SB6 Fuse 6 on fuse holder B
- SC31 Fuse 31 on fuse holder C
- SC69 Fuse 69 on fuse holder C
- SC72 Fuse 72 on fuse holder C
- T6h 6-pin connector, in front centre console, grey

- J16 10-pin connector, in left footwell, near centre console, purple
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- A1 Positive connection (30a), in dash panel wiring harness
- B279 Positive connection 3 (15a) in main wiring harness
- B349 Connection 2 (75a), in main wiring harness
- B490 Connection 26, in main wiring harness

* see applicable current flow diagram for fuse assignment

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

https://www.automotive-manuals.net/
Onboard supply control unit, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C

- J519 Onboard supply control unit
- M30 Left headlight main beam bulb
- M32 Right headlight main beam bulb
- SC30 Fuse 30 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T10h 10-pin connector, in left footwell, near centre console, purple
- T73a 73-pin connector, black
- SC30 Fuse 30 on fuse holder C
- SC32 Fuse 32 on fuse holder C

* Only models with automatic driving lights control

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

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https://www.automotive-manuals.net/
Amarok

Onboard supply control unit

- E595 Steering column combination switch
- J519 Onboard supply control unit
- M1 Left side light bulb
- M4 Left tail light bulb
- M17 Right reversing light bulb
- T10b 10-pin connector, in left footwell, near centre console, yellow
- T10h 10-pin connector, in left footwell, near centre console, purple
- T17e 17-pin connector, near handbrake lever, red
- T18a 18-pin connector, near engine control unit, grey
- T41 41-pin connector, grey
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- B474 Connection 10, in main wiring harness
- B483 Connection 19, in main wiring harness
- B520 Connection (RL), in main wiring harness
- B537 Connection 28, in main wiring harness
- B538 Connection 29, in main wiring harness
- W3 Connection in rear wiring harness
  * Only models with manual gearbox
  *2 Only models with no automatic headlight control with coming home
  *3 Only models with automatic driving lights control
  *4 Only models with automatic gearbox

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

https://www.automotive-manuals.net/
Light switch, Onboard supply control unit

- **E1**  Light switch
- **J519**  Onboard supply control unit
- **L22**  Left fog light bulb
- **L23**  Right fog light bulb
- **SC60**  Fuse 60 on fuse holder C
- **T10h**  10-pin connector, in left footwell, near centre console, purple
- **T10j**  10-pin connector, black
- **T17**  17-pin connector, black
- **T73b**  73-pin connector, colourless

- **B472**  Connection 8, in main wiring harness
- **B484**  Connection 20, in main wiring harness
- **X131**  Connection 4, in optional equipment wiring harness

* see applicable current flow diagram for exterior lighting
*2 Only models with no automatic headlight control with coming home
*3 Only models with fog lights
*4 Only models with automatic driving lights control
*5 Only models with start/stop system

---

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
gy = yellow
or = orange
rs = pink
Onboard supply control unit, Fuse 29 on fuse holder C, Fuse 55 on fuse holder C

- **J25** Headlight relay
- **J519** Onboard supply control unit
- **M29** Left headlight dipped beam bulb
- **M31** Right headlight dipped beam bulb
- **SC29** Fuse 29 on fuse holder C
- **SC55** Fuse 55 on fuse holder C
- **T10h** 10-pin connector, in left footwell, near centre console, purple
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **B167** Connection (56b), in interior wiring harness
- **B486** Connection 22, in main wiring harness
- **B487** Connection 23, in main wiring harness

* Only models with no automatic headlight control with coming home
*2 Only models with automatic driving lights control
*3 see applicable current flow diagram for fuse assignment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Onboard supply control unit, Fuse 7 on fuse holder C, Fuse 71 on fuse holder C

- **D9** Electronic ignition lock
- **J519** Onboard supply control unit
- **SC7** Fuse 7 on fuse holder C
- **SC71** Fuse 71 on fuse holder C
- **T6f** 6-pin connector, black
- **T6h** 6-pin connector, in front centre console, grey
- **T10b** 10-pin connector, in left footwell, near centre console, yellow
- **T10h** 10-pin connector, in left footwell, near centre console, purple
- **T73a** 73-pin connector, black

- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B276** Positive connection (50), in main wiring harness
- **B489** Connection 25, in main wiring harness
- **X78** Connection 1, in optional equipment wiring harness
  - * Only models with automatic gearbox

---

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

https://www.automotive-manuals.net/
Parking brake contact switch, Dash panel insert

- **F321**: Parking brake contact switch
- **G21**: Speedometer
- **J285**: Control unit in dash panel insert
- **K**: Dash panel insert
- **K1**: Main beam warning lamp
- **K139**: Handbrake warning lamp
- **T10b**: 10-pin connector, in left footwell, near centre console, yellow
- **T32**: 32-pin connector, blue
- **A49**: Connection 1, in dash panel wiring harness

*Speed signal

**Legend**

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

https://www.automotive-manuals.net/
8-speed automatic gearbox with Tiptronic, (G1G)
From January 2013
Current Flow Diagram

Tiptronic switch, Gearbox, Ignition key withdrawal lock solenoid, Fuse 58 on fuse holder C, Selector lever position display

- F189 Tiptronic switch
- J217 Automatic gearbox control unit, in gearbox
- NX1 Gearbox
- N110 Selector lever lock solenoid
- N215 Automatic gearbox pressure regulating valve 1
- N216 Automatic gearbox pressure regulating valve 2
- N218 Automatic gearbox pressure regulating valve 4
- N376 Ignition key withdrawal lock solenoid
- SC45 Fuse 45 on fuse holder C
- SC58 Fuse 58 on fuse holder C
- T10k 10-pin connector, in centre console, near handbrake lever, black
- T16q 16-pin connector, black
- T18a 18-pin connector, near battery, grey
- Y6 Selector lever position display

- B316 Positive connection 2 (30a) in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness

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

Amarok

No. 84 / 2

https://www.automotive-manuals.net/
Light switch, Tiptronic switch, Gearbox

- **E1** Light switch
- **F189** Tiptronic switch
- **F305** Gear selector position P switch
- **F319** Selector lever locked in position P switch
- **J217** Automatic gearbox control unit, in gearbox
- **NX1** Gearbox
- **N233** Automatic gearbox pressure regulating valve 5
- **N371** Automatic gearbox pressure regulating valve 6
- **T10j** 10-pin connector, black
- **T10k** 10-pin connector, in centre console, near handbrake lever, black
- **T16q** 16-pin connector, black
- **T17** 17-pin connector, black
- **T17g** 17-pin connector, near handbrake lever, black

<table>
<thead>
<tr>
<th>Connection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B472</td>
<td>Connection 8, in main wiring harness</td>
</tr>
</tbody>
</table>

* Only models with no start/stop system
*2 Only models with start/stop system

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

Current Flow Diagram

No. 84 / 3

https://www.automotive-manuals.net/
Tiptronic switch, Gearbox

- **F189** Tiptronic switch
- **J217** Automatic gearbox control unit, in gearbox
- **J623** Engine control unit
- **NX1** Gearbox
- **N217** Automatic gearbox pressure regulating valve 3
- **N380** Selector lever position P solenoid
- **N443** Automatic gearbox pressure regulating valve 7
- **SC10** Fuse 10 on fuse holder C
- **T10k** 10-pin connector, in centre console, near handbrake lever, black
- **T16q** 16-pin connector, black
- **T17g** 17-pin connector, near handbrake lever, black
- **T94a** 94-pin connector, black

**43** Earth point, lower part of right A-pillar

**367** Earth connection 2, in main wiring harness

**373** Earth connection 8, in main wiring harness

**B627** Positive connection 3 (15), in main wiring harness

**U3** Connection 1, in automatic gearbox wiring harness

* Only models with start/stop system

*2 Only models with no start/stop system
**Dash panel insert, Gearbox**

- G93 Gearbox oil temperature sender
- G182 Gearbox input speed sender
- G195 Gearbox output speed sender
- J119 Multifunction indicator
- J217 Automatic gearbox control unit, in gearbox
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- NX1 Gearbox
- T16q 16-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T32 32-pin connector, blue
- T73b 73-pin connector, colourless

**Current Flow Diagram**

- **Earth points**
  - 28 Earth point, on bulkhead
  - 68 Earth point, on left of rear cross member
  - 86 Earth connection 1, in rear wiring harness
  - 196 Earth connection 3, in rear wiring harness
  - B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
  - B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

**Legend**

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

**Diagram Details**

- NX1 Gearbox
- J217 Automatic gearbox control unit, in gearbox
- J285 Control unit in dash panel insert
- J519 Onboard supply control unit
- K Dash panel insert
- T16q 16-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T32 32-pin connector, blue
- T73b 73-pin connector, colourless

**Notes**

- Earth points and connections with specific colors and labels.
Electronic ignition lock

D9  Electronic ignition lock
J53  Starter motor relay
J519  Onboard supply control unit
M16  Left reversing light bulb
M17  Right reversing light bulb
T5i  5-pin connector, black
T5k  5-pin connector, black
T16  16-pin connector, black
T18a  18-pin connector, near battery, grey
T73a  73-pin connector, black
T73b  73-pin connector, colourless
U31  Diagnostic connection

B276  Positive connection (50), in main wiring harness

W3  Connection in rear wiring harness
*  Only right-hand drive models
*2  Only left-hand drive models
*3  Only models with no start/stop system
*4  Only models with start/stop system

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

https://www.automotive-manuals.net/
2.0l diesel engine, CNEA,CSHA
From January 2013
Battery, Starter, Starter motor relay, Fuse 4 in fuse holder A, Fuse 5 in fuse holder A

- A Battery
- B Starter
- J53 Starter motor relay
- SA Fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- T18a 18-pin connector, near engine control unit, grey

**Designation**

- Earth strap, battery - body
- B479 Connection 15, in main wiring harness
- TV1 Wiring junction
- * Only for countries with hot climate

**Legend**

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

- Earth strap, battery - body
- Connection 15, in main wiring harness
- Wiring junction

*Only for countries with hot climate*
Alternator with voltage regulator, Fuel pump relay, Engine control unit, Fuse 1 in fuse holder A, Fuse 2 on fuse holder B

CX1  Alternator with voltage regulator
J17   Fuel pump relay
J623  Engine control unit, near battery
SA    Fuse holder A
SA1   Fuse 1 in fuse holder A
SB2   Fuse 2 on fuse holder B
T2y   2-pin connector, front left in engine compartment, black
T18   18-pin connector, near engine control unit, black
T94a  94-pin connector, black

*B277 Positive connection 1 (15a) in main wiring harness
*B332 Positive connection 18 (30a) in main wiring harness
*B564 Connection 31, in main wiring harness
*B569 Connection 36, in main wiring harness
TV1   Wiring junction
* Only for countries with hot climate

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

https://www.automotive-manuals.net/
Current Flow Diagram

Clutch pedal switch, Main relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 10 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 36 on fuse holder C

- F36 Clutch pedal switch
- J271 Main relay, on relay carrier
- J317 Terminal 30 voltage supply relay, on relay carrier
- J493 Auxiliary coolant heater relay
- J623 Engine control unit, near battery
- SC10 Fuse 10 on fuse holder C
- SC15 Fuse 15 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T94a 94-pin connector, black
- V55 Circulation pump

(B564 Connection 31, in main wiring harness
(B627 Positive connection 3 (15), in main wiring harness
* Only models with no air conditioning system/Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
gr = grey
bl = blue
gf = grey
li = purple
gp = yellow
gn = grey
or = orange
rs = pink
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J179 Automatic glow period control unit, near left headlight
- J623 Engine control unit, near battery
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T18 18-pin connector, near engine control unit, black
- T94a 94-pin connector, black

ws = white  
sw = black  
ro = red  
br = brown  
bn = green  
bl = blue  
gr = grey  
li = purple  
ge = yellow  
or = orange  
rs = pink
Lambda probe, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C, Fuse 35 on fuse holder C

G39  Lambda probe
J623  Engine control unit, near battery
N276  Fuel pressure regulating valve
N290  Fuel metering valve
SC12  Fuse 12 on fuse holder C
SC35  Fuse 35 on fuse holder C
T6t   6-pin connector, front right in engine compartment, black
T18   18-pin connector, near engine control unit, black
T60   60-pin connector, black
T94a  94-pin connector, black
Z19   Lambda probe heater

D106  Connection 4 in engine compartment wiring harness
* Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

G83  Radiator outlet coolant temperature sender
G235  Exhaust gas temperature sender 1
G495  Exhaust gas temperature sender 3
G648  Exhaust gas temperature sender 4
J623  Engine control unit, near battery
T2q  2-pin connector, black
T2r  2-pin connector, orange
T2s  2-pin connector, brown
T18  18-pin connector, near engine control unit, black
T60  60-pin connector, black
T94a  94-pin connector, black

(B566) Connection 33, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with Euro 5 plus emission standard (7MJ)

ws  = white
sw  = black
ro  = red
br  = brown
gn  = green
bl  = blue
gr  = grey
li  = purple
gy  = yellow
or  = orange
rs  = pink
Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve, Fuse 4 on fuse holder C

J623  Engine control unit, near battery
N75   Charge pressure control solenoid valve
N220  Exhaust flap valve
N345  Exhaust gas recirculation cooler changeover valve
SC4   Fuse 4 on fuse holder C
T18   18-pin connector, near engine control unit, black
T60   60-pin connector, black
T94a  94-pin connector, black
B568  Connection 35, in main wiring harness
B570  Connection 37, in main wiring harness
*   Only models with Euro 5 emission standard
*2  Only models with Euro 5 plus emission standard (7MJ)

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
ge = yellow
or = orange
rs = pink
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit, Fuse 5 on fuse holder C

- G70  Air mass meter
- G79  Accelerator position sender
- G185  Accelerator position sender 2
- J623  Engine control unit, near battery
- SC5  Fuse 5 on fuse holder C
- T4i  4-pin connector, black
- T6ag  6-pin connector
- T94a  94-pin connector, black

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

https://www.automotive-manuals.net/
Charge pressure sender, Intake air temperature sender, Intake manifold pressure sender, Exhaust gas pressure sensor 1, Engine control unit

G31 Charge pressure sender
G42 Intake air temperature sender
G71 Intake manifold pressure sender
G450 Exhaust gas pressure sensor 1
J623 Engine control unit, near battery
T3i 3-pin connector, black
T4h 4-pin connector, black
T4k 4-pin connector, black
T18 18-pin connector, near engine control unit, black
T94a 94-pin connector, black
B565 Connection 32, in main wiring harness
B567 Connection 34, in main wiring harness
* Only models with Euro 5 emission standard
*2 Only models with Euro 5 plus emission standard (7MJ)

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

https://www.automotive-manuals.net/
**Brake light switch, Engine control unit**

- **F** Brake light switch
- **J104** ABS control unit
- **J623** Engine control unit, near battery
- **SC42** Fuse 42 on fuse holder C
- **T4c** 4-pin connector, black
- **T17e** 17-pin connector, near handbrake lever, red
- **T94a** 94-pin connector, black

1. **42** Earth point, next to steering column
2. **44** Earth point, lower part of left A-pillar
3. **366** Earth connection 1, in main wiring harness
4. **371** Earth connection 6, in main wiring harness
5. **A2** Positive connection (15), in dash panel wiring harness
6. **B482** Connection 18, in main wiring harness

* Only models with Euro 5 emission standard

**Legend**

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

**Current Flow Diagram**

No. 85 / 11

[Source: https://www.automotive-manuals.net/]
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Radiator fan, Coolant circulation pump

- **J203** Radiator fan control unit
- **J623** Engine control unit, near battery
- **SC14** Fuse 14 on fuse holder C
- **T3w** 3-pin connector
- **T4k** 4-pin connector, on radiator cowling, black
- **T94a** 94-pin connector, black
- **V7** Radiator fan
- **V50** Coolant circulation pump

- **375** Earth connection 10, in main wiring harness
- **655** Earth point, on left headlight

**B613** Connection 41, in main wiring harness

* Only models with Euro 5 plus emission standard (7MJ)
*2 Only for countries with hot climate

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Key:
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62  Coolant temperature sender
J623  Engine control unit, near battery
N30  Injector, cylinder 1
N31  Injector, cylinder 2
N32  Injector, cylinder 3
N33  Injector, cylinder 4
T60  60-pin connector, black

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
g = yellow
or = orange
rs = pink
Hall sender, Exhaust gas recirculation potentiometer, Fuel pressure sender, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

- **G40**: Hall sender
- **G212**: Exhaust gas recirculation potentiometer
- **G247**: Fuel pressure sender
- **G447**: Charge pressure sender 2, on turbocharger air recirculation valve
- **J623**: Engine control unit, near battery
- **N18**: Exhaust gas recirculation valve
- **T3r**: 3-pin connector, on front of engine, black
- **T3s**: 3-pin connector, black
- **T3t**: 3-pin connector
- **T6ar**: 6-pin connector, black
- **T18**: 18-pin connector, near engine control unit, black
- **T60**: 60-pin connector, black

- **D101**: Connection 1 in engine compartment wiring harness
- **D102**: Connection 2 in engine compartment wiring harness
- **D103**: Connection 3 in engine compartment wiring harness
- **D107**: Connection 5 in engine compartment wiring harness

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

- G28 Engine speed sender
- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit, near battery
- N79 Heater element for crankcase breather
- SC25 Fuse 25 on fuse holder C
- T3q 3-pin connector, black
- T3u 3-pin connector, black
- T5m 5-pin connector
- T60 60-pin connector, black
- V157 Intake manifold flap motor

- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight
- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness

* Only models with crankcase breather heater element
Current Flow Diagram

Cruise control system switch, Automatic gearbox control unit, Onboard supply control unit, Engine control unit

- E45 Cruise control system switch
- E595 Steering column combination switch
- J217 Automatic gearbox control unit
- J519 Onboard supply control unit
- J623 Engine control unit, near battery
- T16 16-pin connector, black
- T16q 16-pin connector
- T17g 17-pin connector, near handbrake lever, black
- T41 41-pin connector, grey
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- T94a 94-pin connector, black
- U31 Diagnostic connection

- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness
- B441 Connection (CCS), in main wiring harness

* see applicable current flow diagram for basic equipment
*2 Only models with cruise control system (CCS)

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

https://www.automotive-manuals.net/
Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K3 Oil pressure warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- T18 18-pin connector, near engine control unit, black
- T32 32-pin connector, blue
- B383 Connection 1 (powertrain CAN bus, high), in main wiring harness
- B390 Connection 1 (powertrain CAN bus, low), in main wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Oil level and oil temperature sender, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- J285 Control unit in dash panel insert
- K Dash panel insert
- K132 Electronic power control fault lamp
- T3m 3-pin connector, black
- T5g 5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector, blue
- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
- * Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Climatronic control unit, Circulation pump

- J235 Coolant pump relay
- J255 Climatronic control unit, in centre of dash panel
- J493 Auxiliary coolant heater relay
- SC58 Fuse 58 on fuse holder C
- SC62 Fuse 62 on fuse holder C
- T16l 16-pin connector, black
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on relay carrier, brown
- V55 Circulation pump

- 43 Earth point, lower part of right A-pillar
- 372 Earth connection 7, in main wiring harness
- B320 Positive connection 6 (30a) in main wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness

* Only models with petrol engine
*2 Only models with diesel engine

Legend:
ws = white
sw = black
ro = red
br = brown
gn = green
li = purple
g = yellow
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Climatronic control unit, Continued coolant circulation pump

- J255 Climatronic control unit, in centre of dash panel
- J317 Terminal 30 voltage supply relay
- J623 Engine control unit
- SC15 Fuse 15 on fuse holder C
- SC36 Fuse 36 on fuse holder C
- T18 18-pin connector, near engine control unit, black
- T94 94-pin connector, black
- T94a 94-pin connector, black
- V51 Continued coolant circulation pump
- 368 Earth connection 3, in main wiring harness
- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B564 Connection 31, in main wiring harness
  * Only models with petrol engine
  *2 Only models with diesel engine

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

https://www.automotive-manuals.net/
Sender for front Bitron blower regulation, Climatronic control unit, Fresh air blower

- G462 Sender for front Bitron blower regulation
- J255 Climatronic control unit, in centre of dash panel
- SC64 Fuse 64 on fuse holder C
- T2aaz 2-pin connector
- T4ak 4-pin connector
- T16l 16-pin connector, black
- T16m 16-pin connector, brown
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on relay carrier, brown
- T17c 17-pin connector, on left under dash panel, white
- T20a 20-pin connector
- V2 Fresh air blower

- 80 Earth connection 1, in dash panel wiring harness
- 377 Earth connection 12, in main wiring harness
- L21 Connection 1 (30), in Climatronic operating unit wiring harness

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

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https://www.automotive-manuals.net/
High-pressure sender, Air quality sensor, Climatronic control unit, Fuse 42 on fuse holder C

- G65 High-pressure sender
- G238 Air quality sensor, near window wiper motor
- J255 Climatronic control unit, in centre of dash panel
- SC42 Fuse 42 on fuse holder C
- T3f 3-pin connector
- T3v 3-pin connector
- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on relay carrier, brown
- T20a 20-pin connector

- 42 Earth point, next to steering column
- 44 Earth point, lower part of left A-pillar
- 366 Earth connection 1, in main wiring harness
- 371 Earth connection 6, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness

ws = white  
sw = black  
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https://www.automotive-manuals.net/
Potentiometer for defroster flap control motor, Potentiometer for footwell vent control motor, Climatronic control unit, Defroster flap control motor, Footwell flap control motor

G135 Potentiometer for defroster flap control motor
G468 Potentiometer for footwell vent control motor
J255 Climatronic control unit, in centre of dash panel
T6bd 6-pin connector, black
T6bf 6-pin connector
T16i 16-pin connector, black
T16m 16-pin connector, brown
V107 Defroster flap control motor
V261 Footwell flap control motor

189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness

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

https://www.automotive-manuals.net/
Potentiometer for left temperature flap control motor,
Potentiometer for right temperature flap control motor,
Climatronic control unit, Left temperature flap control motor,
Right temperature flap control motor

- G220 Potentiometer for left temperature flap control motor
- G221 Potentiometer for right temperature flap control motor
- J255 Climatronic control unit, in centre of dash panel
- T6bb 6-pin connector
- T6be 6-pin connector
- T16l 16-pin connector, black
- T16m 16-pin connector, brown
- V158 Left temperature flap control motor
- V159 Right temperature flap control motor

189 Earth connection 1, in heater wiring harness
L31 Connection (5V), in air conditioning system wiring harness

ws = white  sw = black  ro = red
br = brown  gn = green  bl = blue
gr = grey   li = purple  ge = yellow
or = orange rs = pink
Potentiometer for front air distribution control motor,
Potentiometer for fresh air/recirculated air, air flow flap control motor, Climatronic control unit, Fresh air and air recirculation flap control motor, Air distribution flap control motor

G470  Potentiometer for front air distribution control motor
G644  Potentiometer for fresh air/recirculated air, air flow flap control motor
J255  Climatronic control unit, in centre of dash panel
T6ba  6-pin connector
T6bc  6-pin connector
T16l  16-pin connector, black
T16m  16-pin connector, brown
V154  Fresh air and air recirculation flap control motor
V428  Air distribution flap control motor
189   Earth connection 1, in heater wiring harness
L31   Connection (5V), in air conditioning system wiring harness

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Amarok
Current Flow Diagram
No. 86 / 9

https://www.automotive-manuals.net/
Sunlight penetration photosensor, Left vent temperature sender, Right vent temperature sender, Left footwell vent temperature sender, Right footwell vent temperature sender, Evaporator temperature sensor, Climatronic control unit

- G107 Sunlight penetration photosensor
- G150 Left vent temperature sender
- G151 Right vent temperature sender
- G261 Left footwell vent temperature sender
- G262 Right footwell vent temperature sender
- G308 Evaporator temperature sensor
- J255 Climatronic control unit, in centre of dash panel
- T4ai 4-pin connector, black
- T16l 16-pin connector, black
- T20a 20-pin connector
- A69 Connection (31, air conditioning system/blower control), in dash panel wiring harness

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Basic equipment
From January 2013
Battery, Starter, Terminal 15 voltage supply relay, Fuse holder A

- A Battery
- B Starter
- J329 Terminal 15 voltage supply relay
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SA2 Fuse 2 in fuse holder A
- SC6 Fuse 6 on fuse holder C
- SC16 Fuse 16 on fuse holder C
- T1y Single connector, black
- T18 18-pin connector, near engine control unit, black
- T18a 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
2. Earth strap, battery - body - gearbox
3. Earth point, on gearbox
4. Positive connection (30a), in dash panel wiring harness

5. Only models with diesel engine
6. Only models with petrol engine

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

Current Flow Diagram

No. 87 / 2

https://www.automotive-manuals.net/
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit

F36 Clutch pedal switch
J17 Fuel pump relay
J317 Terminal 30 voltage supply relay
J623 Engine control unit
SB2 Fuse 2 on fuse holder B
SC14 Fuse 14 on fuse holder C
SC15 Fuse 15 on fuse holder C
SC36 Fuse 36 on fuse holder C
T4bg 4-pin connector, black
T94 94-pin connector, black
T94a 94-pin connector, black
V51 Continued coolant circulation pump
V55 Circulation pump

- B277 Positive connection 1 (15a) in main wiring harness
- B315 Positive connection 1 (30a) in main wiring harness
- B332 Positive connection 18 (30a) in main wiring harness
- B564 Connection 31, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with petrol engine
*3 Only models with cruise control system (CCS)
*4 Only models with diesel engine
*5 Slot assignment, with no cruise control system (CCS)

ws = white
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https://www.automotive-manuals.net/
Alternator with voltage regulator, Fuse 4 on fuse holder B

CX1  Alternator with voltage regulator
J519  Onboard supply control unit
SB4  Fuse 4 on fuse holder B
T18  18-pin connector, near engine control unit, black
T73a  73-pin connector, black
T73b  73-pin connector, colourless

*  see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

Earth point, on left in engine compartment
Earth connection 12, in main wiring harness
Connection 36, in main wiring harness

ws = white
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gn = green
bl = blue
gf = grey
li = purple
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rs = pink

https://www.automotive-manuals.net/
Electronic ignition lock

D9  Electronic ignition lock
J16  Current supply relay
J29  Blocking diode, near steering column
J519 Onboard supply control unit
SC8  Fuse 8 on fuse holder C
T1d  Single connector, red
T1e  Single connector, red
T6f  6-pin connector, black
T73a  73-pin connector, black
T73b  73-pin connector, colourless

A104 Positive connection 2 (15), in dash panel wiring harness
B276 Positive connection (50), in main wiring harness
B318 Positive connection 4 (30a) in main wiring harness
B489 Connection 25, in main wiring harness
B490 Connection 26, in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with no start/stop system
*3 Only models with automatic gearbox

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gn = green
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https://www.automotive-manuals.net/
Steering column combination switch, Steering angle sender

E595  Steering column combination switch
G85   Steering angle sender
J519  Onboard supply control unit
SC42  Fuse 42 on fuse holder C
T41   41-pin connector, grey
T73b  73-pin connector, colourless

A2    Positive connection (15), in dash panel wiring harness
B383  Connection 1 (powertrain CAN bus, high), in main wiring harness
B390  Connection 1 (powertrain CAN bus, low), in main wiring harness
B528  Connection 1 (LIN bus) in main wiring harness

* Only models with anti-lock brake system (ABS) and electronic stabilisation program (ESP)
*2 Only models with cruise control system (CCS)
*3 Only models with Euro 5 emission standard
*4 Only models with manual window regulators
*5 Only models with electric window regulators
*6 From November 2011

ws = white
sw = black
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bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Steering column combination switch, Airbag coil connector and return ring with slip ring, Horn plate, Airbag control unit

E595  Steering column combination switch
F138  Airbag coil connector and return ring with slip ring, on steering wheel
H   Horn plate
J234  Airbag control unit
J519  Onboard supply control unit
N95  Driver side airbag igniter
T12b  12-pin connector, yellow
T41   41-pin connector, grey
T50   50-pin connector, yellow
T73a  73-pin connector, black

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gn = green
bl = blue
gf = grey
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ge = yellow
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rs = pink

85  86  87  88  89  90  91  92  93  94  95  96  97  98

https://www.automotive-manuals.net/
Turn signal switch, Intermittent wiper switch, Washer pump switch (automatic wash/wipe and headlight washer system), Steering column combination switch, Washer pump

- E19 Parking light switch
- E22 Intermittent wiper switch
- E44 Washer pump switch (automatic wash/wipe and headlight washer system)
- E595 Steering column combination switch
- J519 Onboard supply control unit
- SC2 Fuse 2 on fuse holder C
- SC18 Fuse 18 on fuse holder C
- T8f 8-pin connector, in rear left of engine compartment, black
- T41 41-pin connector, grey
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V5 Washer pump

- (B480) Connection 16, in main wiring harness
- (B537) Connection 28, in main wiring harness
- (B538) Connection 29, in main wiring harness

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https://www.automotive-manuals.net/
Light switch, Headlight dipper and flasher switch, Cruise control system switch, Multifunction display call-up button, Multifunction display memory switch, Steering column combination switch

- **E1** Light switch
- **E4** Headlight dipper and flasher switch
- **E45** Cruise control system switch
- **E86** Multifunction display call-up button
- **E109** Multifunction display memory switch
- **E227** Cruise control system (CCS) SET button
- **E595** Steering column combination switch
- **J519** Onboard supply control unit
- **SC24** Fuse 24 on fuse holder C
- **SC32** Fuse 32 on fuse holder C
- **T41** 41-pin connector, grey
- **T73b** 73-pin connector, colourless

- **B441** Connection (CCS), in main wiring harness

- **B475** Connection 11, in main wiring harness

  * Only models with cruise control system (CCS)
  *2 Only models with petrol engine
  *3 Only models with diesel engine
  *4 Only models with multifunction display
  *5 See applicable current flow diagram for exterior lighting
  *6 Only models with no automatic headlight control with coming home

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- **gr** = grey
- **li** = purple
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- **or** = orange
- **rs** = pink

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https://www.automotive-manuals.net/
Driver door lock unit, Front passenger door lock unit

J519 Onboard supply control unit
SC66 Fuse 66 on fuse holder C
T6b 6-pin connector, black
T8a 8-pin connector, black
T8f 8-pin connector, black
T28a 28-pin connector, on left A-pillar, grey
T28b 28-pin connector, on right A-pillar, grey
T73a 73-pin connector, black
VX21 Driver door lock unit
VX22 Front passenger door lock unit

205 Earth connection, in driver door wiring harness
206 Earth connection, in front passenger door wiring harness
* Only models with no central locking
*2 Only left-hand drive models
*3 Only right-hand drive models

ws = white
sw = black
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gn = green
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gr = grey
li = purple
gle = yellow
g = = orange
rs = pink

https://www.automotive-manuals.net/
Heated rear window button, Rear left door lock unit, Rear right door lock unit, Heated rear window

- E230  Heated rear window button, near radio
- J519  Onboard supply control unit
- SC44  Fuse 44 on fuse holder C
- T1g   Single connector, black
- T1h   Single connector, black
- T6ah  6-pin connector, brown
- T6c   6-pin connector, black
- T6d   6-pin connector, grey
- T17d  17-pin connector, on left under dash panel, green
- T28   28-pin connector, on left B-pillar, grey
- T28c  28-pin connector, on right B-pillar, grey
- T73a  73-pin connector, black
- T73b  73-pin connector, colourless
- VX23  Rear left door lock unit
- VX24  Rear right door lock unit
- Z1    Heated rear window

* Only models with no air conditioning system/Climatronic
*2 Only models with no central locking
Front interior light, Centre interior light

- **J519** Onboard supply control unit
- **SC21** Fuse 21 on fuse holder C
- **T3** 3-pin connector, black
- **T3b** 3-pin connector, black
- **T73a** 73-pin connector, black
- **W1** Front interior light
- **W7** Centre interior light

- **61** Earth point, left C-pillar
- **370** Earth connection 5, in main wiring harness
- **A29** Connection (interior light), in dash panel wiring harness
- **R4** Connection 1, in interior light/door contact switch wiring harness

* Only models with double cab
*2 Only models with Highline equipment
*3 Only models with basic equipment

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>W1</td>
<td>Front interior light</td>
</tr>
<tr>
<td>W7</td>
<td>Centre interior light</td>
</tr>
<tr>
<td>61</td>
<td>Earth point, left C-pillar</td>
</tr>
<tr>
<td>370</td>
<td>Earth connection 5, in main wiring harness</td>
</tr>
<tr>
<td>A29</td>
<td>Connection (interior light), in dash panel wiring harness</td>
</tr>
<tr>
<td>R4</td>
<td>Connection 1, in interior light/door contact switch wiring harness</td>
</tr>
</tbody>
</table>

- **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, Treble horn, Bass horn

E229 Hazard warning lights button, near radio
H2 Treble horn
H7 Bass horn
J519 Onboard supply control unit
SC47 Fuse 47 on fuse holder C
T6ai 6-pin connector, black, red
T17c 17-pin connector, on left under dash panel, white
T73a 73-pin connector, black

*4 Earth connection 3, in main wiring harness

*2 Earth point, on left headlight

*3 Connection (dual tone horn), in main wiring harness

* Only models with Highline equipment
*2 Only models with Trendline equipment
*3 Only models with basic equipment

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ro = red
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gf = grey
li = purple
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
F4 Reversing light switch
J519 Onboard supply control unit
T6kp 6-pin connector, on interior mirror, black
T17h 17-pin connector, on left under dash panel, blue
T73a 73-pin connector, black
Y7 Automatic anti-dazzle interior mirror, on interior mirror

32 Earth point, on left behind dash panel
42 Earth point, next to steering column
371 Earth connection 6, in main wiring harness
B483 Connection 19, in main wiring harness

* see applicable current flow diagram for exterior lighting
*2 Only models with automatic driving lights control
Dash panel insert, Windscreen wiper motor

- J285 Control unit in dash panel insert
- J400 Wiper motor control unit
- J519 Onboard supply control unit
- K Dash panel insert
- K13 Rear fog light warning lamp
- SC3 Fuse 3 on fuse holder C
- T4e 4-pin connector, black
- T32 32-pin connector, blue
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- V Windscreen wiper motor

- 43 Earth point, lower part of right A-pillar
- 372 Earth connection 7, in main wiring harness
Driver side belt switch, Brake fluid level warning contact, Coolant temperature display sender, Coolant temperature gauge, Ambient temperature sensor, Coolant temperature indicator, Multifunction indicator, Dash panel insert, Brake fluid level warning lamp, Driver side airbag deactivated warning lamp

- E24 Driver side belt switch
- F34 Brake fluid level warning contact
- G2 Coolant temperature display sender
- G3 Coolant temperature gauge
- G17 Ambient temperature sensor
- G106 Ambient temperature indicator
- J119 Multifunction indicator
- J285 Control unit in dash panel insert
- K Dash panel insert
- K33 Brake fluid level warning lamp
- K144 Driver side airbag deactivated warning lamp
- T32 32-pin connector, blue

369 Earth connection 4, in main wiring harness
374 Earth connection 9, in main wiring harness
656 Earth point, on right headlight, on right on bulkhead

* Only models with multifunction display
*2 Only models with basic equipment
*3 Only models with no airbag

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https://www.automotive-manuals.net/
Fuel gauge, Fuel pump, Ignition and starter key warning system buzzer and gong, Fuel pump control unit, Dash panel insert, Reserve fuel warning lamp

G  Fuel gauge sender
G1  Fuel gauge
G23  Fuel pump
H5  Ignition and starter key warning system buzzer and gong
J285  Control unit in dash panel insert
J538  Fuel pump control unit
K  Dash panel insert
K105  Reserve fuel warning lamp
MX1  Front left headlight
MX3  Left tail light
MX4  Right tail light
SC30  Fuse 30 on fuse holder C
T5g  5-pin connector, black
T5h  5-pin connector, black
T17e  17-pin connector, near handbrake lever, red
T32  32-pin connector, blue

* see applicable current flow diagram for engine
*2  Left-hand drive models
*3  Only right-hand drive models
*4  Only models with diesel engine
*5  Only models with petrol engine
*6  Only models with no towing bracket

ws = white
sw = black
ro = red
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gn = green
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https://www.automotive-manuals.net/
Immobiliser reader coil, Oil pressure switch, Oil level and oil temperature sender, Dash panel insert, Oil pressure warning lamp, Oil level warning lamp

- **D2** Immobiliser reader coil, on ignition/starter switch
- **F1** Oil pressure switch
- **G266** Oil level and oil temperature sender
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K3** Oil pressure warning lamp
- **K38** Oil level warning lamp
- **K75** Airbag warning lamp
- **SC45** Fuse 45 on fuse holder C

- **T3c** 3-pin connector, black
- **T17e** 17-pin connector, near handbrake lever, red
- **T18** 18-pin connector, near engine control unit, black
- **T32** 32-pin connector, blue

- **F1**
- **D2**
- **G266**
- **J285**
- **K**
- **K3**
- **K38**
- **K75**
- **SC45**

- **28** Earth point, on bulkhead
- **68** Earth point, on left of rear cross member
- **86** Earth connection 1, in rear wiring harness
- **196** Earth connection 3, in rear wiring harness
- **197** Earth connection 4, in rear wiring harness

- **B316** Positive connection 2 (30a) in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with Euro 5 emission standard
*3 Only models with diesel engine

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br = brown
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rs = pink

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https://www.automotive-manuals.net/
Parking brake contact switch, Dash panel insert, Radio, Electric socket, Cigarette lighter

- **F321** Parking brake contact switch
- **J285** Control unit in dash panel insert
- **K** Dash panel insert
- **K139** Handbrake warning lamp
- **R** Radio
- **SC52** Fuse 52 on fuse holder C
- **T3g** 3-pin connector, grey
- **T3h** 3-pin connector, transparent
- **T8** 8-pin connector, brown
- **T17b** 17-pin connector, on left under dash panel, brown
- **T32** 32-pin connector, blue
- **U** Electric socket, on centre console switch module
- **U1** Cigarette lighter, on centre console switch module

- **367** Earth connection 2, in main wiring harness
- **373** Earth connection 8, in main wiring harness
- **B472** Connection 8, in main wiring harness
- **B539** Connection 30, in main wiring harness

\[ ws = \text{white} \]
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\[ ro = \text{red} \]
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\[ gr = \text{grey} \]
\[ li = \text{purple} \]
\[ ge = \text{yellow} \]
\[ or = \text{orange} \]
\[ rs = \text{pink} \]
Light switch, Light 1 for front centre console background lighting, 12 V socket 2, Left washer jet heater element

- **E1**: Light switch
- **L193**: Light 1 for front centre console background lighting, in centre console, under radio
- **SC13**: Fuse 13 on fuse holder C
- **SC59**: Fuse 59 on fuse holder C
- **T2al**: 2-pin connector, in rear left wheel housing, black
- **T2cj**: 2-pin connector, near window wiper motor, black
- **T10m**: 10-pin connector, near handbrake lever, brown
- **T17c**: 17-pin connector, on left under dash panel, white
- **T17d**: 17-pin connector, on left under dash panel, green
- **U18**: 12 V socket 2, in centre of dash panel, in storage compartment
- **U19**: 12 V socket 3, on left wheel housing
- **Z20**: Left washer jet heater element
- **Z21**: Right washer jet heater element
- **261**: Earth connection, in heated washer jet wiring harness
- **A7**: Positive connection (58 D1), in dash panel wiring harness
- **B348**: Connection 1 (75a), in main wiring harness
- **B472**: Connection 8, in main wiring harness
- **B557**: Positive connection 21 (30a) in main wiring harness
- **C72**: Positive connection in heated washer jet wiring harness

*Special equipment
*2 Only models with Highline equipment
*3 see applicable current flow diagram

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[Source: https://www.automotive-manuals.net/]
Auxiliary coolant heater, supplementary heater, supplementary heater which can be operated independently
From January 2013
**Current Flow Diagram**

**J301** Air conditioning system control unit
**J487** Fresh air blower isolation relay
**N24** Fresh air blower series resistor with overheating fuse
**SC68** Fuse 68 on fuse holder C

**T5n** 5-pin connector
**T17a** 17-pin connector, behind glove compartment, black
**T17c** 17-pin connector, on left under dash panel, white

**V2** Fresh air blower

- **44** Earth point, lower part of left A-pillar
- **366** Earth connection 1, in main wiring harness
- **B578** Positive connection 2 (75), in interior wiring harness
- **L6** Connection 2, in evaporator housing unit wiring harness
- **L9** Connection 1, in air conditioning system wiring harness

* see applicable current flow diagram for fuse assignment
*2 Only models with Climatic
*3 Only models with remote controlled auxiliary coolant heater
*4 see applicable current flow diagram for manually controlled heater

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[Current Flow Diagram](https://www.automotive-manuals.net/)
Auxiliary heater relay, Auxiliary heater control unit

GX1 Fuel delivery unit
J8 Auxiliary heater relay
J364 Auxiliary heater control unit
SB2 Fuse 2 on fuse holder B
T1z Single connector, black
T2ch 2-pin connector, black
T5g 5-pin connector, black
T17d 17-pin connector, on left under dash panel, red
T17e 17-pin connector, near handbrake lever, red
B277 Positive connection 1 (15a) in main wiring harness
B332 Positive connection 18 (30a) in main wiring harness
L6 Connection 2, in evaporator housing unit wiring harness

* Only models with diesel engine
*2 Only models with auxiliary coolant heater
*3 Only models with Climatic

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https://www.automotive-manuals.net/
Auxiliary heater control unit, 2-way valve for coolant shut-off valve, Circulation pump

J364  Auxiliary heater control unit
N147  2-way valve for coolant shut-off valve, front left in engine compartment
SC62  Fuse 62 on fuse holder C
T2cf  2-pin connector, black
T2ci  2-pin connector
T6kn  6-pin connector, black
V55   Circulation pump

*368  Earth connection 3, in main wiring harness
*655  Earth point, on left headlight

L62   Positive connection (30a), in auxiliary heater wiring harness
*  Only models with auxiliary coolant heater
*2  Only models with Climatronic
*3  Only models with Climatic
*4  Only models with no air conditioning system/Climatronic
*5  Only models with air conditioning system/ Climatronic

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

Current Flow Diagram
No. 88 / 4

Amarok

https://www.automotive-manuals.net/
Auxiliary heater control unit, Glow plug for heater, Remote control receiver for auxiliary coolant heater, Metering pump

J364  Auxiliary heater control unit
Q9    Glow plug for heater
R11   Aerial
R149  Remote control receiver for auxiliary coolant heater, near lower part of right A-pillar
T1am  Single connector
T2aj  2-pin connector, light brown
T6kn  6-pin connector, black
T6ko  6-pin connector, blue
T18a  18-pin connector, grey
V54   Metering pump
V178  Coolant circulation pump 2

•  68  Earth point, on left of rear cross member
•  86  Earth connection 1, in rear wiring harness
•  197 Earth connection 4, in rear wiring harness
  * Only models with remote controlled auxiliary coolant heater

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

https://www.automotive-manuals.net/
Auxiliary heater control unit, Onboard supply control unit, Roof display unit

- J364: Auxiliary heater control unit
- J519: Onboard supply control unit
- J702: Roof display unit, near interior mirror
- T6kn: 6-pin connector, black
- T16: 16-pin connector, black
- T16r: 16-pin connector, black
- T73a: 73-pin connector, black
- T73b: 73-pin connector, colourless
- U31: Diagnostic connection
- A146: Connection (convenience CAN bus, high), in dash panel wiring harness
- A147: Connection (convenience CAN bus, low), in dash panel wiring harness
- B316: Positive connection 2 (30a) in main wiring harness

* Only models with diesel engine
*2 Only models with auxiliary coolant heater
*3 Only models with remote controlled auxiliary coolant heater

ws = white
sw = black
ro = red
br = brown
gn = green
gi = grey
li = purple
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Flame monitor, Overheating sensor, Coolant temperature sender for heater, Auxiliary heater control unit, Combustion air blower

G64  Flame monitor  
G189  Overheating sensor  
G241  Coolant temperature sender for heater  
J364  Auxiliary heater control unit  
V6  Combustion air blower

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

https://www.automotive-manuals.net/
Central locking, window regulators and mirror adjustment
From January 2013
Light switch, Onboard supply control unit

- **E1** Light switch
- **J519** Onboard supply control unit, near driver side A-pillar
- **SC66** Fuse 66 on fuse holder C
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector

- **44** Earth point, lower part of left A-pillar
- **377** Earth connection 12, in main wiring harness
- **B472** Connection 8, in main wiring harness
- **B528** Connection 1 (LIN bus) in main wiring harness

**Amarok**

Current Flow Diagram

No. 89 / 2

https://www.automotive-manuals.net/
Fuel tank filler flap central locking actuator, Onboard supply control unit, Fuse 19 on fuse holder C

F219  Fuel tank filler flap central locking actuator
J519  Onboard supply control unit, near driver side A-pillar
SC19  Fuse 19 on fuse holder C
T10m  10-pin connector, near handbrake lever, brown
T73a  73-pin connector, black

B214  Connection 1 (central locking), in interior wiring harness
B466  Connection 2, in main wiring harness

* Only models with heated exterior mirrors

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

https://www.automotive-manuals.net/
Central locking button, Onboard supply control unit

- E600 Central locking button, in driver door
- J519 Onboard supply control unit, near driver side A-pillar
- T4v 4-pin connector, black
- T28a 28-pin connector, on left A-pillar, black
- T73a 73-pin connector, black

- 205 Earth connection, in driver door wiring harness
- B467 Connection 3, in main wiring harness
  - * Only models with double cab
Mirror adjustment switch, Onboard supply control unit, Central locking SAFELOCK function warning lamp, Driver door lock unit

E43  Mirror adjustment switch, in driver door
J519  Onboard supply control unit, near driver side A-pillar
K133  Central locking SAFELOCK function warning lamp
T8e  8-pin connector, black
T10d  10-pin connector, black
T28a  28-pin connector, on left A-pillar, black
T73a  73-pin connector, black
T73b  73-pin connector
VX21  Driver door lock unit

734  Earth point in front left door
R14  Connection 1 (open), in driver door wiring harness

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

https://www.automotive-manuals.net/
Mirror adjustment switch, Onboard supply control unit, Fuse 33 on fuse holder C

- E43  Mirror adjustment switch, in driver door
- J519  Onboard supply control unit, near driver side A-pillar
- SC33  Fuse 33 on fuse holder C
- T10d 10-pin connector, black
- T28a 28-pin connector, on left A-pillar, black

- R95  Connection 2 in driver side door wiring harness
- R96  Connection 3 in driver side door wiring harness
- Z2  Connection 2, in mirror adjustment/heating wiring harness
- Z4  Positive connection (15a), in mirror adjustment/heating wiring harness

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

ws/bl  = white/black
ws/ge  = white/green
ws/rt  = white/red
ws  = white
sw  = black
Suppression filter, Driver door control unit, Onboard supply control unit, Fuse 48 on fuse holder C, Left window regulator motor, Heated exterior mirror on driver side

- C10 Suppression filter, in left door
- J386 Driver door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- SC48 Fuse 48 on fuse holder C
- T5o 5-pin connector
- T6ae 6-pin connector, in left door, near exterior mirror, blue
- T16e 16-pin connector
- T28a 28-pin connector, on left A-pillar, black
- V14 Left window regulator motor
- V17 Driver side mirror adjustment motor
- V149 Driver side mirror adjustment motor
- Z4 Heated exterior mirror on driver side

- 740 Earth point 2 in front left door
- R95 Connection 2 in driver side door wiring harness
- R96 Connection 3 in driver side door wiring harness
- Z2 Connection 2, in mirror adjustment/heating wiring harness
- Z4 Positive connection (15a), in mirror adjustment/heating wiring harness

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

https://www.automotive-manuals.net/
Childproof lock button, Front driver side window regulator button, Rear driver side window regulator button, in driver door, Driver door control unit, Onboard supply control unit

- E318 Childproof lock button
- E710 Front driver side window regulator button
- E712 Rear driver side window regulator button, in driver door
- E714 Rear passenger side window regulator button, in driver door
- E715 Front passenger side window regulator button, in driver door
- J386 Driver door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- K236 Warning light for activated childproof lock
- L76 Button illumination bulb
- T10e 10-pin connector
- T16e 16-pin connector, black

R04 Connection 1 in driver side door wiring harness
Front passenger side window regulator button, Front passenger door control unit, Onboard supply control unit, Fuse 49 on fuse holder C, Right window regulator motor, Front passenger door lock unit

- E716 Front passenger side window regulator button
- J387 Front passenger door control unit
- J519 Onboard supply control unit, near driver side A-pillar
- SC49 Fuse 49 on fuse holder C
- T4ab 4-pin connector
- T6af 6-pin connector
- T16f 16-pin connector, black
- T28b 28-pin connector, on right A-pillar, black
- T73a 73-pin connector, black
- V15 Right window regulator motor
- VX22 Front passenger door lock unit

- 206 Earth connection, in front passenger door wiring harness
- 268 Earth connection 2, in front passenger side door wiring harness
- 735 Earth point in front right door

* Only models with single cab

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

https://www.automotive-manuals.net/
Onboard supply control unit, Heated exterior mirror on front passenger side

- J519 Onboard supply control unit, near driver side A-pillar
- T6aa 6-pin connector, in right door, near exterior mirror, blue
- T28b 28-pin connector, on right A-pillar, black
- T73a 73-pin connector, black
- V25 Front passenger side mirror adjustment motor
- V150 Front passenger side mirror adjustment motor
- Z5 Heated exterior mirror on front passenger side

Connection (mirror adjustment/heating), in dash panel wiring harness

- * Only models with double cab
- *2 Only models with single cab

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

Amarok Current Flow Diagram No. 89 / 10

Onboard supply control unit, Heated exterior mirror on front passenger side

J519 Onboard supply control unit, near driver side A-pillar
T6aa 6-pin connector, in right door, near exterior mirror, blue
T28b 28-pin connector, on right A-pillar, black
T73a 73-pin connector, black
V25 Front passenger side mirror adjustment motor
V150 Front passenger side mirror adjustment motor
Z5 Heated exterior mirror on front passenger side

Connection (mirror adjustment/heating), in dash panel wiring harness

- * Only models with double cab
- *2 Only models with single cab

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

https://www.automotive-manuals.net/
Rear driver side window regulator button, Rear left door control unit, Onboard supply control unit, Fuse 50 on fuse holder C, Rear left door lock unit, Rear left window regulator motor

E711 Rear driver side window regulator button, in rear left door
J388 Rear left door control unit
J519 Onboard supply control unit, near driver side A-pillar
SC50 Fuse 50 on fuse holder C
T4ae 4-pin connector, black
T6ar 6-pin connector, black
T16h 16-pin connector
T28 28-pin connector, on left B-pillar, black
T73a 73-pin connector, black
VX23 Rear left door lock unit
V26 Rear left window regulator motor

366 Earth connection 1, in main wiring harness

* Only models with SAFELOCK function
Rear passenger side window regulator button, Rear right door control unit, Onboard supply control unit, Fuse 51 on fuse holder C, Rear right door lock unit, Rear right window regulator motor

- **E713**: Rear passenger side window regulator button, in rear right door
- **J389**: Rear right door control unit
- **J519**: Onboard supply control unit, near driver side A-pillar
- **SC51**: Fuse 51 on fuse holder C
- **T4ag**: 4-pin connector
- **T6as**: 6-pin connector, black
- **T16i**: 16-pin connector, black
- **T28c**: 28-pin connector, on right B-pillar, black
- **VX24**: Rear right door lock unit
- **V27**: Rear right window regulator motor

*Only models with SAFELOCK function*
Onboard supply control unit

- **J519**: Onboard supply control unit, near driver side A-pillar
- **T73b**: 73-pin connector
- **43**: Earth point, lower part of right A-pillar
- **367**: Earth connection 2, in main wiring harness
- **372**: Earth connection 7, in main wiring harness
- **378**: Earth connection 13, in main wiring harness

**Current Flow Diagram**

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

https://www.automotive-manuals.net/
Fuse assignment, (7L3)
From January 2013
Battery, Starter, Alternator with voltage regulator, Fuse holder A

A Battery
B Starter
CX1 Alternator with voltage regulator
J519 Onboard supply control unit
J623 Engine control unit
SA Fuse holder A
SA1 Fuse 1 in fuse holder A
T2bc 2-pin connector
T18 18-pin connector, near engine control unit, black
T18a 18-pin connector, near engine control unit, grey
T73b 73-pin connector, colourless

1 Earth strap, battery - body

(B569) Connection 36, in main wiring harness
* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Terminal 15 voltage supply relay, Fuse holder A

- D9  Electronic ignition lock
- J329  Terminal 15 voltage supply relay
- J519  Onboard supply control unit
- SA  Fuse holder A
- SA2  Fuse 2 in fuse holder A
- SA3  Fuse 3 in fuse holder A
- T73a  73-pin connector, black

- 12  Earth point, on left in engine compartment
- 44  Earth point, lower part of left A-pillar
- 366  Earth connection 1, in main wiring harness
- 652  Earth point, engine and gearbox earth
- A104  Positive connection 2 (15), in dash panel wiring harness
- B333  Positive connection 19 (30a) in main wiring harness

Legend:
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- li = purple
- ge = yellow
- or = orange
- rs = pink

Current Flow Diagram

No. 90 / 3

https://www.automotive-manuals.net/
Automatic glow period control unit, Fuse holder A, Fuse 38 on fuse holder C, Radiator fan

- J179 Automatic glow period control unit
- J293 Radiator fan control unit
- SA Fuse holder A
- SA4 Fuse 4 in fuse holder A
- SA5 Fuse 5 in fuse holder A
- SA6 Fuse 6 in fuse holder A
- SC38 Fuse 38 on fuse holder C
- T11 11-pin connector, black
- V7 Radiator fan

- B330 Positive connection 16 (30a) in main wiring harness
- B331 Positive connection 17 (30a) in main wiring harness

* According to equipment
*2 Only models with diesel engine

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Current Flow Diagram

No. 90 / 4

https://www.automotive-manuals.net/
ABS control unit, Fuse 1 on fuse holder B, Fuse 3 on fuse holder B, Fuse 4 on fuse holder B, Fuse 6 on fuse holder B

J104  ABS control unit
J323  Blower relay
J519  Onboard supply control unit
J977  Terminal 30 relay
SB   Fuse holder B
SB1  Fuse 1 on fuse holder B
SB3  Fuse 3 on fuse holder B
SB4  Fuse 4 on fuse holder B
SB5  Fuse 5 on fuse holder B
SB6  Fuse 6 on fuse holder B
T2by  2-pin connector
T2bz  2-pin connector
T6a   6-pin connector, in left footwell, near centre console, grey
T18a  18-pin connector, near engine control unit, grey
T47   47-pin connector, black
T73b  73-pin connector, colourless
V547  Air supply blower
Z1    Heated rear window
*    Only models with electric interface for external use
*2   see applicable current flow diagram
*3   see applicable current flow diagram for hardtop
*4   According to equipment

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
gy = yellow
gb = yellow
or = orange
rs = pink
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 2 on fuse holder B

- **F36**: Clutch pedal switch
- **J8**: Auxiliary heater relay
- **J17**: Fuel pump relay
- **J317**: Terminal 30 voltage supply relay
- **J623**: Engine control unit
- **SB**: Fuse holder B
- **SB2**: Fuse 2 on fuse holder B
- **T4c**: 4-pin connector, black
- **T94**: 94-pin connector, black
- **T94a**: 94-pin connector
- **V55**: Circulation pump

- **B277**: Positive connection 1 (15a) in main wiring harness
- **B332**: Positive connection 18 (30a) in main wiring harness
- **B564**: Connection 31, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine
*4 see applicable current flow diagram for auxiliary coolant heater
*5 Slot assignment, with no cruise control system (CCS)

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

https://www.automotive-manuals.net/
Main relay, Fuse 14 on fuse holder C, Fuse 37 on fuse holder C, Fuse 56 on fuse holder C

GX1  Fuel delivery unit, on fuel tank
J271  Main relay
N70   Ignition coil 1 with output stage
N127  Ignition coil 2 with output stage
N276  Fuel pressure regulating valve
N291  Ignition coil 3 with output stage
N292  Ignition coil 4 with output stage
SC14  Fuse 14 on fuse holder C
SC37  Fuse 37 on fuse holder C
SC56  Fuse 56 on fuse holder C
T17e  17-pin connector, near handbrake lever, red
T18   18-pin connector, near engine control unit, black

B350  Positive connection 1 (87a) in main wiring harness
B351  Positive connection 2 (87a) in main wiring harness
D108  Connection 6 in engine compartment wiring harness
*    Only models with petrol engine
*2   Only models with diesel engine
*3   see applicable current flow diagram for engine

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

https://www.automotive-manuals.net/
Fuse 4 on fuse holder C, Fuse 5 on fuse holder C

- G70  Air mass meter
- J623  Engine control unit
- SC4  Fuse 4 on fuse holder C
- SC5  Fuse 5 on fuse holder C
- T4i  4-pin connector, black
- T94a  94-pin connector

- B352  Positive connection 3 (87a) in main wiring harness
- B568  Connection 35, in main wiring harness

* Only models with diesel engine

**Legend for Colors**

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

https://www.automotive-manuals.net/
Fuse 34 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

J623  Engine control unit
SC34  Fuse 34 on fuse holder C
SC35  Fuse 35 on fuse holder C
SC36  Fuse 36 on fuse holder C
T4f   4-pin connector, front right in engine compartment
T6q   6-pin connector, front right in engine compartment
T6t   6-pin connector, front right in engine compartment, black
T94   94-pin connector
V50   Coolant circulation pump
Z19   Lambda probe heater
Z29   Lambda probe 1 heater after catalytic converter
B353  Positive connection 4 (87a) in main wiring harness
B573  Connection 40, in main wiring harness
B613  Connection 41, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Fuse 1 on fuse holder C, Fuse 10 on fuse holder C

- **E1** Light switch
- **E256** TCS and ESP button
- **E598** Driving program button
- **F189** Tiptronic switch
- **G70** Air mass meter
- **J104** ABS control unit
- **J217** Automatic gearbox control unit
- **J234** Airbag control unit
- **K145** Front passenger side airbag deactivated warning lamp

**Fuse Table**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC1</td>
<td>Fuse 1 on fuse holder C</td>
</tr>
<tr>
<td>SC10</td>
<td>Fuse 10 on fuse holder C</td>
</tr>
</tbody>
</table>

**Connector Descriptions**

- **T6k** 6-pin connector, black
- **T6l** 6-pin connector, red
- **T10j** 10-pin connector, black
- **T17d** 17-pin connector, on left under dash panel, green
- **T17e** 17-pin connector, near handbrake lever, red
- **T47** 47-pin connector, black

**Connection Notes**

* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with automatic driving lights control
*4 Only models with petrol engine
*5 see applicable current flow diagram for automatic gearbox

**Color Codes**

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Fuse 6 on fuse holder C, Fuse 16 on fuse holder C, Fuse 25 on fuse holder C, Fuse 31 on fuse holder C

- **J345** Trailer detector control unit
- **K13** Rear fog light warning lamp
- **L46** Rear left fog light bulb
- **L47** Rear right fog light bulb
- **N79** Heater element for crankcase breather
- **SC6** Fuse 6 on fuse holder C
- **SC16** Fuse 16 on fuse holder C
- **SC25** Fuse 25 on fuse holder C
- **SC31** Fuse 31 on fuse holder C
- **T10h** 10-pin connector, purple
- **T12** 12-pin connector, red
- **T17e** 17-pin connector, near handbrake lever, red
- **T32m** 32-pin connector, blue

- **A1** Positive connection (30a), in dash panel wiring harness
- **B279** Positive connection 3 (15a) in main wiring harness
- **B522** Connection (FL), in main wiring harness

* According to equipment
*2 Only models with electric interface for external use
*3 Only models with automatic driving lights control
*4 Cross-section 1.5 possible
*5 see applicable current flow diagram for exterior lighting
*6 Only models with no automatic headlight control with coming home

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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

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https://www.automotive-manuals.net/
Fuse 42 on fuse holder C, Fuse 63 on fuse holder C
E45  Cruise control system switch
E595  Steering column combination switch
F  Brake light switch
G65  High-pressure sender
J187  Differential lock control unit
J446  Parking aid control unit
J646  Transfer box control unit
SC42  Fuse 42 on fuse holder C
SC63  Fuse 63 on fuse holder C
T4c  4-pin connector, black
T41  41-pin connector, grey

- A2  Positive connection (15), in dash panel wiring harness
- B278  Positive connection 2 (15a) in main wiring harness
- *  Only models with air conditioning system/ Climatronic
- *2  Only models with cruise control system

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

https://www.automotive-manuals.net/
Reversing light switch, Tachograph, Air quality sensor, Oil level and oil temperature sender

- F4 Reversing light switch
- G24 Tachograph
- G238 Air quality sensor
- G266 Oil level and oil temperature sender
- K181 Normal operation warning lamp in transfer box operating unit
- K182 Reduction gearing warning lamp in transfer box operating unit
- K183 Inter-axle lock-up warning lamp in transfer box operating unit
- M25 Additional brake light bulb
- T17a 17-pin connector, on left under dash panel, green
- T17e 17-pin connector, near handbrake lever, red
- T18a 18-pin connector, near engine control unit, grey
- U31 Diagnostic connection

A2 Positive connection (15), in dash panel wiring harness

* Only models with Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Headlight relay, Fuse 7 on fuse holder C, Fuse 53 on fuse holder C

- **D9**: Electronic ignition lock
- **E595**: Steering column combination switch
- **J25**: Headlight relay
- **J519**: Onboard supply control unit
- **SC7**: Fuse 7 on fuse holder C
- **SC53**: Fuse 53 on fuse holder C
- **T6**: 6-pin connector, black
- **T10h**: 10-pin connector, purple
- **T41**: 41-pin connector
- **T73a**: 73-pin connector, black

*Only models with electric interface for external use*

*Only models with start/stop system*

*Only models with automatic driving lights control*

*Only models with petrol engine*

*Coming home with rain sensor*
Starter motor relay, Terminal 58b relief relay

D9  Electronic ignition lock
J53  Starter motor relay
J374  Terminal 58b relief relay
B276  Positive connection (50), in main wiring harness
B315  Positive connection 1 (30a) in main wiring harness
B476  Connection 12, in main wiring harness
B479  Connection 15, in main wiring harness

*  see applicable current flow diagram for engine
*2  Only models with Trendline equipment
*3  Only models with basic equipment
*4  Only models with no automatic headlight control with coming home

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

https://www.automotive-manuals.net/
Fuse 28 on fuse holder C, Fuse 55 on fuse holder C

- E102 Headlight range control regulator
- M31 Right headlight dipped beam bulb
- SC28 Fuse 28 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T6c 6-pin connector
- T10c 10-pin connector, black
- T10h 10-pin connector, purple
- B315 Positive connection 1 (30a) in main wiring harness
- B487 Connection 23, in main wiring harness
- N2 Connection 1, in headlight range control wiring harness

* Only models with electric interface for external use
*2 Only models with automatic driving lights control
*3 Only models with Highline equipment
*4 Coming home with rain sensor
*5 Only models with no automatic headlight control with coming home

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

https://www.automotive-manuals.net/
Fuse 28 on fuse holder C, Fuse 29 on fuse holder C

E1  Light switch
M29  Left headlight dipped beam bulb
SC28  Fuse 28 on fuse holder C
SC29  Fuse 29 on fuse holder C
T10  10-pin connector
T10h  10-pin connector, purple
T10j  10-pin connector, black
T17  17-pin connector
T18a  18-pin connector, near engine control unit, grey
X4  Left number plate light
X5  Right number plate light

B315  Positive connection 1 (30a) in main wiring harness
B472  Connection 8, in main wiring harness
B486  Connection 22, in main wiring harness
N3  Connection 2, in headlight range control wiring harness
W70  Positive connection 2 (58), in number plate wiring harness

*  Only models with electric interface for external use
*2  Only models with automatic driving lights control
*3  Only models with no automatic headlight control with coming home
*4  Only models with Highline equipment
*5  Only models with Trendline equipment
*6  Only models with basic equipment

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

https://www.automotive-manuals.net/
Fuse 17 on fuse holder C

- **E1**: Light switch
- **J519**: Onboard supply control unit
- **M1**: Left side light bulb
- **M2**: Right tail light bulb
- **M3**: Right side light bulb
- **M4**: Left tail light bulb

**SC17**: Fuse 17 on fuse holder C

- **T10h**: 10-pin connector, purple
- **T17**: 17-pin connector
- **T17e**: 17-pin connector, near handbrake lever, red
- **T73a**: 73-pin connector, black
- **T73b**: 73-pin connector, colourless

- **B473**: Connection 9, in main wiring harness
- **B474**: Connection 10, in main wiring harness
- **N3**: Connection 2, in headlight range control wiring harness
  - Only models with electric interface for external use
  - Only models with no automatic headlight control with coming home
  - Only models with automatic driving lights control

---

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse 26 on fuse holder C, Fuse 27 on fuse holder C, Fuse 60 on fuse holder C

- E1 Light switch
- J519 Onboard supply control unit
- L22 Left fog light bulb
- L23 Right fog light bulb
- L174 Left daytime running light bulb
- L175 Right daytime running light bulb
- SC26 Fuse 26 on fuse holder C
- SC27 Fuse 27 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T10 10-pin connector
- T10h 10-pin connector, purple
- T10r 10-pin connector, black
- T17 17-pin connector
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless
- A83 Connection (daytime running lights), in dash panel wiring harness
- B484 Connection 20, in main wiring harness
- X131 Connection 4, in optional equipment wiring harness

* Only models with no automatic headlight control with coming home
*2 Only models with electric interface for external use
*3 Only models with daytime running lights
*4 Only models with automatic driving lights control

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse 3 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 24 on fuse holder C, Fuse 61 on fuse holder C

- **E595**: Steering column combination switch
- **SC3**: Fuse 3 on fuse holder C
- **SC15**: Fuse 15 on fuse holder C
- **SC23**: Fuse 23 on fuse holder C
- **SC24**: Fuse 24 on fuse holder C
- **SC61**: Fuse 61 on fuse holder C
- **T41**: 41-pin connector, grey

**B321**: Positive connection 7 (30a) in main wiring harness

* see applicable current flow diagram for engine

*2 Only models with no automatic headlight control with coming home

Current Flow Diagram

- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink
Fuse 18 on fuse holder C, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C

- E595  Steering column combination switch
- J285  Control unit in dash panel insert
- J519  Onboard supply control unit
- K    Dash panel insert
- M30  Left headlight main beam bulb
- M32  Right headlight main beam bulb
- SC18 Fuse 18 on fuse holder C
- SC30 Fuse 30 on fuse holder C
- SC32 Fuse 32 on fuse holder C
- T8f  8-pin connector, in rear right of engine compartment, black
- T10  10-pin connector
- T10c 10-pin connector, black
- T10h 10-pin connector, purple
- T32  32-pin connector, blue
- T41  41-pin connector, grey
- T73b 73-pin connector, colourless
- V5   Washer pump

- B475 Connection 11, in main wiring harness
- B477 Connection 13, in main wiring harness
- B478 Connection 14, in main wiring harness
- B480 Connection 16, in main wiring harness

* Only models with interface for special functions
*2 Only models with no electric interface
*3 Only models with automatic driving lights control

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

**URL**
https://www.automotive-manuals.net/
Fuse 62 on fuse holder C, Fuse 65 on fuse holder C

- J8 Auxiliary heater relay
- J364 Auxiliary heater control unit
- J519 Onboard supply control unit
- M9 Left brake light bulb
- M10 Right brake light bulb
- M25 Additional brake light bulb
- SC62 Fuse 62 on fuse holder C
- SC65 Fuse 65 on fuse holder C
- T17e 17-pin connector, near handbrake lever, red
- T28 28-pin connector, on right A-pillar, black
- T73 73-pin connector, black
- T73b 73-pin connector, colourless
- Z4 Heated exterior mirror on driver side
- Z5 Heated exterior mirror on front passenger side

- A63 Connection (mirror adjustment/heating), in dash panel wiring harness
- B334 Positive connection 20 (30a) in main wiring harness
- B335 Connection 1 (54), in main wiring harness
- L62 Positive connection (30a), in auxiliary heater wiring harness
- W1 Positive connection 1 (54), in rear wiring harness

* Only models with air conditioning system/ Climatronic
*2 see applicable current flow diagram for window regulators/ basic equipment/ convenience system
*3 Only models with Climatronic
*4 Only models with Climatic
*5 Only models with no air conditioning system/Climatronic
*6 see applicable current flow diagram for auxiliary coolant heater

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Fuse 8 on fuse holder C, Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C

- **D9**: Electronic ignition lock
- **H12**: Alarm horn
- **J345**: Trailer detector control unit
- **J895**: Control unit for vehicle location system
- **SC8**: Fuse 8 on fuse holder C
- **SC39**: Fuse 39 on fuse holder C
- **SC40**: Fuse 40 on fuse holder C
- **SC41**: Fuse 41 on fuse holder C
- **T12**: 12-pin connector, red
- **T17h**: 17-pin connector, on left under dash panel, blue

Positive connections:
- **B318**: Positive connection 4 (30a) in main wiring harness
- **B327**: Positive connection 13 (30a) in main wiring harness
- **B334**: Positive connection 20 (30a) in main wiring harness

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

Current Flow Diagram

No. 90 / 24

https://www.automotive-manuals.net/
Fuse 19 on fuse holder C, Fuse 20 on fuse holder C, Fuse 21 on fuse holder C, Fuse 43 on fuse holder C, Fuse 47 on fuse holder C, Fuse 48 on fuse holder C

- H2: Treble horn
- H7: Bass horn
- J386: Driver door control unit
- J519: Onboard supply control unit
- SC19: Fuse 19 on fuse holder C
- SC20: Fuse 20 on fuse holder C
- SC21: Fuse 21 on fuse holder C
- SC43: Fuse 43 on fuse holder C
- SC47: Fuse 47 on fuse holder C
- SC48: Fuse 48 on fuse holder C

- T3e: 3-pin connector
- T28a: 28-pin connector, in left A-pillar, black
- T28b: 28-pin connector, on right A-pillar
- T73a: 73-pin connector, black
- T73b: 73-pin connector, colourless
- V: Windscreen wiper motor
- W1: Front interior light
- W7: Centre interior light

- B327: Positive connection 13 (30a) in main wiring harness
- B328: Positive connection 14 (30a) in main wiring harness

* Only left-hand drive models
*2 Only right-hand drive models
*3 See applicable current flow diagram for basic equipment

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

https://www.automotive-manuals.net/
Fuse 49 on fuse holder C, Fuse 50 on fuse holder C, Fuse 51 on fuse holder C, Fuse 58 on fuse holder C

- J217 Automatic gearbox control unit
- J255 Climatronic control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- J493 Auxiliary coolant heater relay

- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC58 Fuse 58 on fuse holder C

- T17a 17-pin connector, on left under dash panel, green
- T17b 17-pin connector, on left under dash panel, green
- T18a 18-pin connector, near engine control unit, grey
- T28 28-pin connector, on right A-pillar, black
- T28a 28-pin connector, in left A-pillar, black
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector, black

- B320 Positive connection 6 (30a) in main wiring harness
- B329 Positive connection 15 (30a) in main wiring harness

  * Only left-hand drive models
  *2 Only right-hand drive models
  *3 Only models with automatic gearbox
  *4 see applicable current flow diagram for air conditioning

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

https://www.automotive-manuals.net/
Voltage supply relay 2, Fuse 54 on fuse holder C, Fuse 57 on fuse holder C, Fuse 69 on fuse holder C

D9  Electronic ignition lock
J519  Onboard supply control unit
J710  Voltage supply relay 2
J882  Seat heating control unit
SC54  Fuse 54 on fuse holder C
SC57  Fuse 57 on fuse holder C
SC69  Fuse 69 on fuse holder C
T10h  10-pin connector, purple
T16b  16-pin connector, black
T73b  73-pin connector, colourless

*B349  Connection (75a), in main wiring harness
*B431  Connection (seat heating), in main wiring harness
*B490  Connection 26, in main wiring harness
*  Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Current supply relay, Fuse 13 on fuse holder C, Fuse 33 on fuse holder C, Fuse 72 on fuse holder C

- E43 Mirror adjustment switch
- E653 Button for left seat heating
- E654 Button for right seat heating
- J16 Current supply relay
- SC13 Fuse 13 on fuse holder C
- SC33 Fuse 33 on fuse holder C
- SC72 Fuse 72 on fuse holder C
- T2cm 2-pin connector, near window wiper motor, black
- T6k 6-pin connector, in left footwell, near centre console, black
- T6m 6-pin connector, white
- T6o 6-pin connector, blue
- T10d 10-pin connector
- T28a 28-pin connector, in left A-pillar, black
- Z20 Left washer jet heater element
- Z21 Right washer jet heater element

- (B346) Connection 1 (75), in main wiring harness
- (B347) Connection 2 (75), in main wiring harness
- (B490) Connection 26, in main wiring harness
- (B557) Positive connection 21 (30a) in main wiring harness
- (C72) Positive connection in heated washer jet wiring harness

* Only models with electric interface for external use
*2 Only models with fog lights
Fuse 52 on fuse holder C, Fuse 59 on fuse holder C, Fuse 68 on fuse holder C

E16 Heater/heat output switch
J301 Air conditioning system control unit
J487 Fresh air blower isolation relay
SC52 Fuse 52 on fuse holder C
SC59 Fuse 59 on fuse holder C
SC68 Fuse 68 on fuse holder C
T2al 2-pin connector, in rear left wheel housing
T3g 3-pin connector
T3h 3-pin connector, transparent
T10m 10-pin connector, near handbrake lever, brown
T17a 17-pin connector, on left under dash panel, green
T17c 17-pin connector, on left under dash panel, white
T17d 17-pin connector, on left under dash panel, green
U Electric socket, on centre console switch module
U1 Cigarette lighter, on centre console switch module
U18 12 V socket 2, in storage compartment, in centre of dash panel
U19 12 V socket 3, in rear left wheel housing

* Only models with auxiliary coolant heater
*2 Only models with Climatic
*3 see applicable current flow diagram
*4 Only models with no Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
tl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Fuse 9 on fuse holder C, Fuse 11 on fuse holder C, Fuse 46 on fuse holder C, Fuse 66 on fuse holder C

- J187 Differential lock control unit
- J646 Transfer box control unit
- M25 Additional brake light bulb
- SC9 Fuse 9 on fuse holder C
- SC11 Fuse 11 on fuse holder C
- SC46 Fuse 46 on fuse holder C
- SC66 Fuse 66 on fuse holder C
- T4d 4-pin connector
- T6a 6-pin connector
- T18b 18-pin connector, black
- T73a 73-pin connector, black

![Diagram showing fuse connections and labels.](https://www.automotive-manuals.net/)

**Legend:**
- B323 Positive connection 9 (30a) in main wiring harness
- B324 Positive connection 10 (30a) in main wiring harness
- *see applicable current flow diagram for basic equipment/central locking*

- 30A: 30 Amp Fuse
- 60A: 60 Amp Fuse

**Color Codes:**
- ws = white
- sw = black
- ro = red
- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink
Steering column combination switch, Rain sensor, Interior monitoring sensor, Telephone controls control unit, Dash panel insert, Fuse 45 on fuse holder C, Diagnostic connection

- **E595**: Steering column combination switch
- **G213**: Rain sensor
- **G273**: Interior monitoring sensor
- **G462**: Sender for front Bitron blower regulation
- **J255**: Climatronic control unit
- **J285**: Control unit in dash panel insert
- **J738**: Telephone controls control unit
- **K**: Dash panel insert
- **SC45**: Fuse 45 on fuse holder C
- **T3f**: 3-pin connector, black
- **T4e**: 4-pin connector
- **T16**: 16-pin connector, black
- **T17a**: 17-pin connector, on left under dash panel, green
- **T17b**: 17-pin connector, on left under dash panel, green
- **T32**: 32-pin connector, blue
- **T41**: 41-pin connector, grey
- **T54**: 54-pin connector
- **U31**: Diagnostic connection
- **B316**: Positive connection 2 (30a) in main wiring harness
- **B324**: Positive connection 10 (30a) in main wiring harness
- **L21**: Connection 1 (30), in Climatronic operating unit wiring harness

* Only models with Climatronic

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

**Current Flow Diagram**

[Diagram with connections and labels]
Fuse 44 on fuse holder C, Fuse 64 on fuse holder C, Fuse 67 on fuse holder C

J503  Control unit with display for radio and navigation
J519  Onboard supply control unit
R    Radio
SC44  Fuse 44 on fuse holder C
SC64  Fuse 64 on fuse holder C
SC67  Fuse 67 on fuse holder C
T8a   8-pin connector, black
T8am  8-pin connector, black
T17a  17-pin connector, on left under dash panel, green
T17c  17-pin connector, on left under dash panel, green
T73b  73-pin connector, colourless
V2    Fresh air blower
Z1    Heated rear window

B325 Positive connection 11 (30a) in main wiring harness

V28  Connection 1, in radio wiring harness
*   According to equipment
*2  Only models with Climatronic

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
bl = blue
li = purple
gv = yellow
or = orange
rs = pink
Fuse assignment for models with start/stop system, (7L6)
From January 2013
Battery, Starter, Alternator with voltage regulator, Battery monitor control unit, Fuse holder A

- **A**: Battery
- **B**: Starter
- **CX1**: Alternator with voltage regulator
- **J367**: Battery monitor control unit
- **SA**: Fuse holder A
- **SA1**: Fuse 1 in fuse holder A
- **T2y**: 2-pin connector, black
- **T18a**: 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body
2. Earth point, on left in engine compartment
3. Earth point, engine and gearbox earth
4. Connection 15, in main wiring harness
5. Connection 36, in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine
*3 Only models with petrol engine

**Legend:**
- **ws** = white
- **sw** = black
- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gf** = grey
- **li** = purple
- **ge** = yellow
- **or** = orange
- **rs** = pink

Current Flow Diagram No. 91 / 2

https://www.automotive-manuals.net/
Terminal 15 voltage supply relay, Fuse holder A

- **D9** Electronic ignition lock
- **J329** Terminal 15 voltage supply relay
- **J519** Onboard supply control unit
- **SA** Fuse holder A
- **SA2** Fuse 2 in fuse holder A
- **SA3** Fuse 3 in fuse holder A
- **T73a** 73-pin connector
- **44** Earth point, lower part of left A-pillar
- **366** Earth connection 1, in main wiring harness
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B333** Positive connection 19 (30a) in main wiring harness

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

Current Flow Diagram

No. 91 / 3

https://www.automotive-manuals.net/
Automatic glow period control unit, Fuse holder A, Fuse 38 on fuse holder C, Radiator fan

J179 Automatic glow period control unit
J203 Radiator fan control unit
SA Fuse holder A
SA4 Fuse 4 in fuse holder A
SA5 Fuse 5 in fuse holder A
SA6 Fuse 6 in fuse holder A
SC38 Fuse 38 on fuse holder C
T11 11-pin connector, black
V7 Radiator fan

B330 Positive connection 16 (30a) in main wiring harness
B331 Positive connection 17 (30a) in main wiring harness
* According to equipment
*2 Only models with diesel engine

Current Flow Diagram

https://www.automotive-manuals.net/
ABS control unit, Fuse 1 on fuse holder B, Fuse 3 on fuse holder B, Fuse 4 on fuse holder B, Fuse 6 on fuse holder B

- J104 ABS control unit
- J323 Blower relay
- J977 Terminal 30 relay
- SB Fuse holder B
- SB1 Fuse 1 on fuse holder B
- SB3 Fuse 3 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- SB5 Fuse 5 on fuse holder B
- SB6 Fuse 6 on fuse holder B
- T2by 2-pin connector
- T2bz 2-pin connector
- T6h 6-pin connector, in left footwell, near centre console, grey
- T18a 18-pin connector, near engine control unit, grey
- T47 47-pin connector, black
- V547 Air supply blower
- Z1 Heated rear window

### Symbols
- b231 Positive connection 5 (30a), in interior wiring harness
- * According to equipment
- *2 Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Clutch pedal switch, Fuel pump relay, Terminal 30 voltage supply relay, Engine control unit, Fuse 2 on fuse holder B

F36  Clutch pedal switch
J6   Auxiliary heater relay
J17  Fuel pump relay
J317 Terminal 30 voltage supply relay
J623 Engine control unit
SB   Fuse holder B
SB2  Fuse 2 on fuse holder B
T4bg 4-pin connector, black
T94  94-pin connector, black
T94a 94-pin connector, black
V55  Circulation pump

(B277) Positive connection 1 (15a) in main wiring harness
(B332) Positive connection 18 (30a) in main wiring harness
(B564) Connection 31, in main wiring harness
* Only models with diesel engine
*2 Only models with petrol engine
*3 see applicable current flow diagram for engine
*4 see applicable current flow diagram for auxiliary coolant heater
*5 Slot assignment, with no cruise control system (CCS)

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

https://www.automotive-manuals.net/
Voltage stabiliser, Engine control unit, Starter relay 1, Starter relay 2

- J519: Onboard supply control unit
- J532: Voltage stabiliser
- J623: Engine control unit
- J906: Starter relay 1
- J907: Starter relay 2
- T10i: 10-pin connector, near battery, black
- T12e: 12-pin connector, black
- T73b: 73-pin connector, colourless
- T94a: 94-pin connector, black
- 368: Earth connection 3, in main wiring harness
- 655: Earth point, on left headlight
- B729: Connection 1 (50), in main wiring harness

* see applicable current flow diagram for engine
*2 Only models with diesel engine

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

https://www.automotive-manuals.net/
Headlight relay, Fuse 3 on fuse holder C, Fuse 15 on fuse holder C, Fuse 23 on fuse holder C, Fuse 24 on fuse holder C

E955 Steering column combination switch
J25 Headlight relay
J519 Onboard supply control unit
SC3 Fuse 3 on fuse holder C
SC15 Fuse 15 on fuse holder C
SC23 Fuse 23 on fuse holder C
SC24 Fuse 24 on fuse holder C
T10h 10-pin connector, in left footwell, near centre console, purple
T41 41-pin connector
T73a 73-pin connector, black

B167 Connection (56b), in interior wiring harness
B315 Positive connection 1 (30a) in main wiring harness
B321 Positive connection 7 (30a) in main wiring harness

* Only models with electric interface for external use
*2 Only models with automatic driving lights control
*3 see applicable current flow diagram for engine

Current Flow Diagram

https://www.automotive-manuals.net/
Main relay, Fuse 37 on fuse holder C, Fuse 56 on fuse holder C

GX1  Fuel delivery unit, on fuel tank
J271  Main relay
N70   Ignition coil 1 with output stage
N127  Ignition coil 2 with output stage
N291  Ignition coil 3 with output stage
N292  Ignition coil 4 with output stage
SC37  Fuse 37 on fuse holder C
SC56  Fuse 56 on fuse holder C
T17a  17-pin connector, near handbrake lever, blue
T18a  18-pin connector, near engine control unit, black

B315  Positive connection 1 (30a) in main wiring harness
B350  Positive connection 1 (87a) in main wiring harness
B351  Positive connection 2 (87a) in main wiring harness
D108  Connection 6 in engine compartment wiring harness

*  Only models with automatic driving lights control
*2 Only models with petrol engine
*3 Only models with diesel engine
*4 see applicable current flow diagram for engine

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

https://www.automotive-manuals.net/
Fuse 4 on fuse holder C, Fuse 5 on fuse holder C

- G70  Air mass meter
- J623  Engine control unit
- SC4  Fuse 4 on fuse holder C
- SC5  Fuse 5 on fuse holder C
- T4i  4-pin connector, black
- T94a  94-pin connector, black

B352  Positive connection 3 (87a) in main wiring harness

B568  Connection 35, in main wiring harness

* Only models with diesel engine

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

https://www.automotive-manuals.net/
Fuse 2 on fuse holder C, Fuse 12 on fuse holder C, Fuse 71 on fuse holder C

- E595: Steering column combination switch
- N75: Charge pressure control solenoid valve
- N80: Activated charcoal filter solenoid valve 1
- N205: Camshaft control valve 1
- N249: Turbocharger air recirculation valve
- N276: Fuel pressure regulating valve
- N316: Intake manifold flap valve
- SC2: Fuse 2 on fuse holder C
- SC12: Fuse 12 on fuse holder C
- SC71: Fuse 71 on fuse holder C

- T6h: 6-pin connector, in left footwell, near centre console, grey
- T14a: 14-pin connector, front left in engine compartment
- T18a: 18-pin connector, near engine control unit, black
- T41: 41-pin connector, grey
- V393: Supplementary fuel pump

- B352: Positive connection 3 (87a) in main wiring harness
- D106: Connection 4 in engine compartment wiring harness

* Only models with electric interface for external use
*2: Only models with diesel engine
*3: Only models with petrol engine

Legend:
ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Fuse 34 on fuse holder C, Fuse 35 on fuse holder C, Fuse 36 on fuse holder C

- J623  Engine control unit
- SC34  Fuse 34 on fuse holder C
- SC35  Fuse 35 on fuse holder C
- SC36  Fuse 36 on fuse holder C
- T4f   4-pin connector, front right in engine compartment, black
- T6q   6-pin connector, front right in engine compartment, black
- T6t   6-pin connector, front right in engine compartment, black
- T94   94-pin connector, black
- V50   Coolant circulation pump
- Z19   Lambda probe heater
- Z29   Lambda probe 1 heater after catalytic converter

- B353  Positive connection 4 (87a) in main wiring harness
- B573  Connection 40, in main wiring harness
- B613  Connection 41, in main wiring harness

* Only models with Euro 5 emission standard
*2 Only models with diesel engine
*3 Only models with petrol engine

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

https://www.automotive-manuals.net/
Fuse 1 on fuse holder C, Fuse 10 on fuse holder C, Fuse 25 on fuse holder C

- E256: TCS and ESP button, on centre console switch module
- E598: Driving program button, on centre console switch module
- F189: Tiptronic switch
- G70: Air mass meter
- J104: ABS control unit
- J217: Automatic gearbox control unit
- J234: Airbag control unit
- K145: Front passenger side airbag deactivated warning lamp
- N79: Heater element for crankcase breather
- SC1: Fuse 1 on fuse holder C
- SC10: Fuse 10 on fuse holder C
- SC25: Fuse 25 on fuse holder C
- T6k: 6-pin connector, black
- T6l: 6-pin connector, red
- T17d: 17-pin connector, on left under dash panel, green
- T17e: 17-pin connector, near handbrake lever, blue
- T47: 47-pin connector, black

- A38: Positive connection 2 (15a) in dash panel wiring harness
- B279: Positive connection 3 (15a) in main wiring harness
- B627: Positive connection 3 (15), in main wiring harness
- U3: Connection 1, in automatic gearbox wiring harness

* Only models with diesel engine
*2 Only models with petrol engine

Current Flow Diagram

No. 91 / 13

https://www.automotive-manuals.net/
Fuse 6 on fuse holder C, Fuse 16 on fuse holder C, Fuse 31 on fuse holder C, Fuse 63 on fuse holder C

J345  Trailer detector control unit
SC6   Fuse 6 on fuse holder C
SC16  Fuse 16 on fuse holder C
SC31  Fuse 31 on fuse holder C
SC63  Fuse 63 on fuse holder C
T10h  10-pin connector, in left footwell, near centre console, purple
T12   12-pin connector, red
A1    Positive connection (30a), in dash panel wiring harness
A192  Positive connection 3 (15a) in dash panel wiring harness
B278  Positive connection 2 (15a) in main wiring harness
B279  Positive connection 3 (15a) in main wiring harness

* Only models with electric interface for external use
Brake light switch, Fuse 42 on fuse holder C

- E45 Cruise control system switch
- E595 Steering column combination switch
- F Brake light switch
- J187 Differential lock control unit
- J446 Parking aid control unit
- K181 Normal operation warning lamp in transfer box operating unit
- K182 Reduction gearing warning lamp in transfer box operating unit
- K183 Inter-axle lock-up warning lamp in transfer box operating unit
- SC42 Fuse 42 on fuse holder C
- SC70 Fuse 70 on fuse holder C
- T4c 4-pin connector, black
- T41 41-pin connector, grey

* Only models with cruise control system

Positive connection (15), in dash panel wiring harness
Positive connection 2 (15a) in main wiring harness

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

https://www.automotive-manuals.net/
Start/Stop operation button, Reversing light switch, Tachograph, Air quality sensor, Oil level and oil temperature sender, Transfer box control unit, Additional brake light bulb, Diagnostic connection

E693  Start/Stop operation button, in front centre console
F4  Reversing light switch
G24  Tachograph
G65  High-pressure sender
G238  Air quality sensor
G266  Oil level and oil temperature sender
J646  Transfer box control unit
M25  Additional brake light bulb
T6bk  6-pin connector, green
T17b  17-pin connector, behind glove compartment, black
T17e  17-pin connector, near handbrake lever, blue
T17h  17-pin connector, blue
T18a  18-pin connector, near engine control unit, grey
U31  Diagnostic connection
A2  Positive connection (15), in dash panel wiring harness
A15  Positive connection (15), in instrument wiring harness
*  Only models with air conditioning system/ Climatronic
*2  Only models with Climatronic

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

https://www.automotive-manuals.net/
Fuse 14 on fuse holder C, Fuse 53 on fuse holder C, Fuse 55 on fuse holder C

- J519 Onboard supply control unit
- L22 Left fog light bulb
- N276 Fuel pressure regulating valve
- SC14 Fuse 14 on fuse holder C
- SC53 Fuse 53 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- SC60 Fuse 60 on fuse holder C
- T10h 10-pin connector, in left footwell, near centre console, purple
- T18a 18-pin connector, near engine control unit, black
- T73a 73-pin connector, black
- T73b 73-pin connector, colourless

- B326 Positive connection 12 (30a) in main wiring harness
- X131 Connection 4, in optional equipment wiring harness
  * Only models with electric interface for external use
  *2 Only models with petrol engine
  *3 see applicable current flow diagram for exterior lighting
  *4 Only models with automatic driving lights control
Fuse 9 on fuse holder C, Fuse 11 on fuse holder C, Fuse 28 on fuse holder C, Fuse 29 on fuse holder C

E1 Light switch
J187 Differential lock control unit
J519 Onboard supply control unit
J772 Reversing camera system control unit
M17 Right reversing light bulb
M53 Load area illumination bulb
SC9 Fuse 9 on fuse holder C
SC11 Fuse 11 on fuse holder C
SC22 Fuse 22 on fuse holder C
SC28 Fuse 28 on fuse holder C
SC29 Fuse 29 on fuse holder C
T5k 5-pin connector
T6a 6-pin connector
T10j 10-pin connector, black
T17h 17-pin connector, on left under dash panel, blue
T18a 18-pin connector, near engine control unit, near engine control unit, grey
T18b 18-pin connector
T54a 54-pin connector
T73b 73-pin connector

B323 Positive connection 9 (30a) in main wiring harness
* Only models with automatic driving lights control

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Fuse 7 on fuse holder C, Fuse 18 on fuse holder C, Fuse 30 on fuse holder C, Fuse 32 on fuse holder C

D9  Electronic ignition lock
E595  Steering column combination switch
J285  Control unit in dash panel insert
J519  Onboard supply control unit
K  Dash panel insert
M30  Left headlight main beam bulb
M32  Right headlight main beam bulb
SC7  Fuse 7 on fuse holder C
SC18  Fuse 18 on fuse holder C
SC30  Fuse 30 on fuse holder C
SC32  Fuse 32 on fuse holder C
T6f  6-pin connector, black
T8f  8-pin connector, in rear right of engine compartment, black
T10  10-pin connector, black
T10c  10-pin connector, black
T10h  10-pin connector, in left footwell, near centre console, purple
T32  32-pin connector, blue
T41  41-pin connector, grey
T73a  73-pin connector
T73b  73-pin connector, colourless
V5  Washer pump

(B475)  Connection 11, in main wiring harness
(B478)  Connection 14, in main wiring harness
(B480)  Connection 16, in main wiring harness
(B489)  Connection 25, in main wiring harness

* Only models with electric interface for external use

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

https://www.automotive-manuals.net/
Fuse 39 on fuse holder C, Fuse 40 on fuse holder C, Fuse 41 on fuse holder C, Fuse 62 on fuse holder C

- J8 Auxiliary heater relay
- J345 Trailer detector control unit
- J364 Auxiliary heater control unit
- SC39 Fuse 39 on fuse holder C
- SC40 Fuse 40 on fuse holder C
- SC41 Fuse 41 on fuse holder C
- SC62 Fuse 62 on fuse holder C
- T12 12-pin connector, red

(B334) Positive connection 20 (30a) in main wiring harness

(L62) Positive connection (30a), in auxiliary heater wiring harness

* Only models with air conditioning system/ Climatronic
*2 Only models with Climatronic
*3 Only models with Climatic
*4 Only models with no air conditioning system/Climatronic
*5 see applicable current flow diagram for auxiliary coolant heater

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

https://www.automotive-manuals.net/
Fuse 8 on fuse holder C, Fuse 19 on fuse holder C, Fuse 65 on fuse holder C

- **D9** Electronic ignition lock
- **H12** Alarm horn
- **J519** Onboard supply control unit
- **J895** Control unit for vehicle location system
- **M9** Left brake light bulb
- **M10** Right brake light bulb
- **M25** Additional brake light bulb
- **SC8** Fuse 8 on fuse holder C
- **SC19** Fuse 19 on fuse holder C
- **SC65** Fuse 65 on fuse holder C
- **T17e** 17-pin connector, near handbrake lever, blue
- **T17h** 17-pin connector, on left under dash panel, blue
- **T28** 28-pin connector, near A-pillar
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **Z4** Heated exterior mirror on driver side
- **Z5** Heated exterior mirror on front passenger side
- **A63** Connection (mirror adjustment/heating), in dash panel wiring harness
- **B318** Positive connection 4 (30a) in main wiring harness
- **B327** Positive connection 13 (30a) in main wiring harness
- **B334** Positive connection 20 (30a) in main wiring harness
- **B335** Connection 1 (54), in main wiring harness
- **W1** Positive connection 1 (54), in rear wiring harness

*see applicable current flow diagram for window regulators/ basic equipment/ convenience system*
Fuse 20 on fuse holder C, Fuse 21 on fuse holder C, Fuse 43 on fuse holder C, Fuse 47 on fuse holder C, Fuse 48 on fuse holder C

- **H2** Treble horn
- **H7** Bass horn
- **J386** Driver door control unit
- **J519** Onboard supply control unit
- **SC20** Fuse 20 on fuse holder C
- **SC21** Fuse 21 on fuse holder C
- **SC43** Fuse 43 on fuse holder C
- **SC47** Fuse 47 on fuse holder C
- **SC48** Fuse 48 on fuse holder C
- **T3b** 3-pin connector
- **T28a** 28-pin connector, in left A-pillar
- **T28b** 28-pin connector, on right A-pillar
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless
- **V** Windscreen wiper motor
- **W1** Front interior light
- **W7** Centre interior light

* Only left-hand drive models
*2 Only right-hand drive models
*3 see applicable current flow diagram for basic equipment

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

獒omat, No. 91 / 22  
https://www.automotive-manuals.net/
Fuse 49 on fuse holder C, Fuse 50 on fuse holder C, Fuse 51 on fuse holder C, Fuse 58 on fuse holder C

- J217 Automatic gearbox control unit
- J301 Air conditioning system control unit
- J387 Front passenger door control unit
- J388 Rear left door control unit
- J389 Rear right door control unit
- J493 Auxiliary coolant heater relay
- SC49 Fuse 49 on fuse holder C
- SC50 Fuse 50 on fuse holder C
- SC51 Fuse 51 on fuse holder C
- SC58 Fuse 58 on fuse holder C

- T17a 17-pin connector, behind glove compartment, black
- T17b 17-pin connector, on left under dash panel, brown
- T18a 18-pin connector, near engine control unit, grey
- T20 20-pin connector
- T28 28-pin connector, near A-pillar
- T28a 28-pin connector, in left A-pillar
- T28b 28-pin connector, on right A-pillar
- T28c 28-pin connector

- B320 Positive connection 6 (30a) in main wiring harness
- B329 Positive connection 15 (30a) in main wiring harness

* Only left-hand drive models
*2 Only right-hand drive models
*3 Only models with automatic gearbox
*4 Only models with Climatic

ds = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Voltage supply relay 2, Fuse 57 on fuse holder C, Fuse 69 on fuse holder C

- **J710** Voltage supply relay 2
- **J882** Seat heating control unit
- **SC54** Fuse 54 on fuse holder C
- **SC57** Fuse 57 on fuse holder C
- **SC69** Fuse 69 on fuse holder C
- **T10h** 10-pin connector, in left footwell, near centre console, purple
- **T16b** 16-pin connector, black

**B347** Connection 2 (75), in main wiring harness

**B349** Connection 2 (75a), in main wiring harness

**B431** Connection (seat heating), in main wiring harness

* Only models with electric interface for external use

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<table>
<thead>
<tr>
<th>309</th>
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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

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Current supply relay, Fuse 72 on fuse holder C

- **D9** Electronic ignition lock
- **J16** Current supply relay
- **J519** Onboard supply control unit
- **SC72** Fuse 72 on fuse holder C
- **T6h** 6-pin connector, in left footwell, near centre console, grey
- **T73a** 73-pin connector

**B347** Connection 2 (75), in main wiring harness
**B490** Connection 26, in main wiring harness

* Only models with electric interface for external use
*2 Only models with fog lights

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Fuse 13 on fuse holder C, Fuse 33 on fuse holder C, Fuse 52 on fuse holder C

E43 Mirror adjustment switch, in driver door
E653 Button for left seat heating, on centre console switch module
E654 Button for right seat heating, on centre console switch module
SC13 Fuse 13 on fuse holder C
SC33 Fuse 33 on fuse holder C
SC52 Fuse 52 on fuse holder C
T2cj 2-pin connector
T28a 28-pin connector, in left A-pillar
U Electric socket, on centre console switch module
U1 Cigarette lighter, on centre console switch module
Z20 Left washer jet heater element
Z21 Right washer jet heater element
B346 Connection 1 (75), in main wiring harness
B347 Connection 2 (75), in main wiring harness
B539 Connection 30, in main wiring harness
B557 Positive connection 21 (30a) in main wiring harness
C72 Positive connection in heated washer jet wiring harness

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
gy = yellow
or = orange
rs = pink
Fuse 59 on fuse holder C, Fuse 68 on fuse holder C

- **E16**: Heater/heat output switch
- **J301**: Air conditioning system control unit
- **J487**: Fresh air blower isolation relay
- **SC59**: Fuse 59 on fuse holder C
- **SC68**: Fuse 68 on fuse holder C
- **T2al**: 2-pin connector, in rear left wheel housing, black
- **T10m**: 10-pin connector, near handbrake lever, brown
- **T17a**: 17-pin connector, behind glove compartment, black
- **T17c**: 17-pin connector, on left under dash panel, white
- **T17d**: 17-pin connector, on left under dash panel, green
- **U18**: 12 V socket 2, in centre of dash panel, in storage compartment
- **U19**: 12 V socket 3, in rear left wheel housing

- **B346**: Connection 1 (75), in main wiring harness
- **B348**: Connection 1 (75a), in main wiring harness
- **B578**: Positive connection 2 (75), in interior wiring harness

* Only models with auxiliary coolant heater
*2 Only models with Climatic
*3 Only models with no Climatronic
*4 Only models with no auxiliary coolant heater
*5 see applicable current flow diagram

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

[https://www.automotive-manuals.net/](https://www.automotive-manuals.net/)
Steering column combination switch, Rain sensor, Interior monitoring sensor, Telephone controls control unit, Dash panel insert, Fuse 45 on fuse holder C, Fuse 46 on fuse holder C, Fuse 66 on fuse holder C, Diagnostic connection

E595  Steering column combination switch
G24   Tachograph
G213  Rain sensor
G273  Interior monitoring sensor
G462  Sender for front Bitron blower regulation
J255  Climatronic control unit
J285  Control unit in dash panel insert
J519  Onboard supply control unit
J646  Transfer box control unit
J738  Telephone controls control unit
K    Dash panel insert
SC45  Fuse 45 on fuse holder C
SC46  Fuse 46 on fuse holder C
SC66  Fuse 66 on fuse holder C
T4d   4-pin connector
T12f  12-pin connector, near handbrake lever, black
T17b  17-pin connector, on left under dash panel, brown
T17f  17-pin connector, near handbrake lever, blue
T73a  73-pin connector, black
U31   Diagnostic connection

* Only models with central locking
*2 Only models with Climatronic

B316  Positive connection 2 (30a) in main wiring harness
B324  Positive connection 10 (30a) in main wiring harness
L21   Connection 1 (30), in Climatronic operating unit wiring harness

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

https://www.automotive-manuals.net/
Exterior lighting, (7L3)
From January 2013
Current Flow Diagram

**Light switch**

- **E1**: Light switch
- **J374**: Terminal 58b relief relay
- **SC43**: Fuse 43 on fuse holder C
- **SC54**: Fuse 54 on fuse holder C
- **SC63**: Fuse 63 on fuse holder C
- **T17**: 17-pin connector, black
- **T17h**: 17-pin connector, on left under dash panel, blue
- **44**: Earth point, lower part of left A-pillar
- **366**: Earth connection 1, in main wiring harness

* Only models with headlight range control
*2 Only models with Highline equipment
*3 Only models with fog lights

**Legend**

- 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

https://www.automotive-manuals.net/
Light switch, Fuse 16 on fuse holder C, Fuse 26 on fuse holder C, Fuse 27 on fuse holder C, Fuse 60 on fuse holder C

- **E1** Light switch
- **SC16** Fuse 16 on fuse holder C
- **SC26** Fuse 26 on fuse holder C
- **SC27** Fuse 27 on fuse holder C
- **SC60** Fuse 60 on fuse holder C
- **T17** 17-pin connector, black
- **A83** Connection (daytime running lights), in dash panel wiring harness
- **B522** Connection (FL), in main wiring harness

* Only models with daytime running lights
*2 Only models with fog lights
*3 Only models with static cornering light
*4 Only models with electric interface for external use
*5 Only models with basic equipment

ws = white  
sw = black  
ro = red  
rt = red  
br = brown  
bn = green  
bl = blue  
gr = grey  
vi = purple  
gi = purple  
ge = yellow  
or = orange  
rs = pink
Light switch, Switch and instrument illumination regulator, Headlight range control regulator, Fuse 28 on fuse holder C

- E1: Light switch
- E20: Switch and instrument illumination regulator
- E102: Headlight range control regulator
- SC17: Fuse 17 on fuse holder C
- SC28: Fuse 28 on fuse holder C
- T6c: 6-pin connector, black
- T17: 17-pin connector, black

Connection B472: Connection 8, in main wiring harness

Connection N2: Connection 1, in headlight range control wiring harness

Connection N3: Connection 2, in headlight range control wiring harness

* Only models with headlight range control
*2 Only models with dimmable instrument illumination
*3 Only models with automatic driving lights control
*4 Only models with Highline equipment
*5 Only models with no dimmable instrument illumination
*6 Only models with Trendline equipment
*7 Only models with basic equipment
Onboard supply control unit

J519 Onboard supply control unit
SC61 Fuse 61 on fuse holder C
T73a 73-pin connector, black
T73b 73-pin connector, colourless
* Only models with Highline equipment
*2 Only models with static cornering light
*3 Only models with electric interface for external use
*4 Only models with basic equipment
*5 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
g = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Onboard supply control unit, Front left headlight, Fuse 29 on fuse holder C

- D9  Electronic ignition lock
- J519  Onboard supply control unit
- MX1  Front left headlight
- M1  Left side light bulb
- M29  Left headlight dipped beam bulb
- M30  Left headlight main beam bulb
- SC29  Fuse 29 on fuse holder C
- SC30  Fuse 30 on fuse holder C
- T10  10-pin connector
- T73a  73-pin connector, black
- V48  Left headlight range control motor

- A104  Positive connection 2 (15), in dash panel wiring harness
- B455  Connection (HRC), in main wiring harness
- B474  Connection 10, in main wiring harness
- B478  Connection 14, in main wiring harness
- B486  Connection 22, in main wiring harness

* Only models with headlight range control

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

https://www.automotive-manuals.net/
Onboard supply control unit, Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- **J519**: Onboard supply control unit
- **L22**: Left fog light bulb
- **L174**: Left daytime running light bulb
- **MX1**: Front left headlight
- **M5**: Front left turn signal bulb
- **M18**: Left turn signal repeater bulb
- **T3e**: 3-pin connector, in rear left of engine compartment, black
- **T10**: 10-pin connector
- **T73b**: 73-pin connector, colourless
- **368**: Earth connection 3, in main wiring harness
- **655**: Earth point, on left headlight, on left on bulkhead
- **B469**: Connection 5, in main wiring harness
- **B488**: Connection 24, in main wiring harness
- *: Only models with no static cornering light
- *2: Only models with fog lights
- *3: Only models with static cornering light

Legend:
- **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
Onboard supply control unit, Right fog light bulb, Front right headlight, Right turn signal repeater bulb

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>J519</td>
<td>Onboard supply control unit</td>
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<tr>
<td>L23</td>
<td>Right fog light bulb</td>
</tr>
<tr>
<td>MX2</td>
<td>Front right headlight</td>
</tr>
<tr>
<td>M7</td>
<td>Front right turn signal bulb</td>
</tr>
<tr>
<td>M19</td>
<td>Right turn signal repeater bulb</td>
</tr>
<tr>
<td>T8f</td>
<td>8-pin connector, in rear right of engine compartment, black</td>
</tr>
<tr>
<td>T10c</td>
<td>10-pin connector, black</td>
</tr>
<tr>
<td>T73b</td>
<td>73-pin connector, colourless</td>
</tr>
</tbody>
</table>

- **369**: Earth connection 4, in main wiring harness
- **376**: Earth connection 11, in main wiring harness
- **656**: Earth point, on right headlight, on right on bulkhead
- **B470**: Connection 6, in main wiring harness
- **B484**: Connection 20, in main wiring harness

*1. Only models with no static cornering light
*2. Only models with fog lights
*3. Only models with headlight range control
*4. Only models with static cornering light

**Legend**
- 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

https://www.automotive-manuals.net/
Onboard supply control unit, Front right headlight, Fuse 32 on fuse holder C, Fuse 55 on fuse holder C

- J519 Onboard supply control unit
- L175 Right daytime running light bulb
- MX2 Front right headlight
- M3 Right side light bulb
- M31 Right headlight dipped beam bulb
- M32 Right headlight main beam bulb
- SC32 Fuse 32 on fuse holder C
- SC55 Fuse 55 on fuse holder C
- T10c 10-pin connector, black
- T73a 73-pin connector, black
- V49 Right headlight range control motor

- B473 Connection 9, in main wiring harness
- B487 Connection 23, in main wiring harness

* Only models with headlight range control
*2 Only models with no headlight range control

- 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
**Left tail light**

- L46  Rear left fog light bulb
- MX3  Left tail light
- M4   Left tail light bulb
- M6   Rear left turn signal bulb
- M9   Left brake light bulb
- M16  Left reversing light bulb
- T5i  5-pin connector, black
- T14  14-pin connector, behind rear bumper on left, black
- T17e 17-pin connector, near handbrake lever, red

- 28  Earth point, on bulkhead
- 68  Earth point, on left of rear cross member
- 66  Earth connection 1, in rear wiring harness

- W1  Positive connection 1 (54), in rear wiring harness
  - * see applicable current flow diagram for preparation for trailer coupling
  - *2 Only right-hand drive models
  - *3 Only models with no towing bracket
  - *4 Only left-hand drive models
  - *5 Only models with no rear fog light

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**Legend**

- 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](https://www.automotive-manuals.net/)
Right tail light, Left number plate light, Right number plate light

L47  Rear right fog light bulb
M2   Right tail light bulb
MX4  Right tail light
M8   Rear right turn signal bulb
M10  Right brake light bulb
M17  Right reversing light bulb
T5k  5-pin connector, black
T17e 17-pin connector, near handbrake lever, red
T18a 18-pin connector, near engine control unit, grey
X4   Left number plate light
X5   Right number plate light

86   Earth connection 1, in rear wiring harness
196  Earth connection 3, in rear wiring harness
197  Earth connection 4, in rear wiring harness
W3   Connection in rear wiring harness

W70  Positive connection 2 (58), in number plate wiring harness
*   Only right-hand drive models
*2  Only models with no rear fog light
*3  Only models with Highline equipment
*4  Only models with Trendline equipment
*5  Only models with basic equipment

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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https://www.automotive-manuals.net/
Reversing light switch, Control unit in dash panel insert, Dash panel insert

- F4  Reversing light switch
- J285  Control unit in dash panel insert
- K  Dash panel insert
- K1  Main beam warning lamp
- K13  Rear fog light warning lamp
- T17g  17-pin connector, near handbrake lever, black
- T18a  18-pin connector, near engine control unit, grey
- T32  32-pin connector, blue

- B483  Connection 19, in main wiring harness
- B520  Connection (RL), in main 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

Current Flow Diagram

https://www.automotive-manuals.net/
Steering column combination switch, Brake light switch, Engine control unit

E595  Steering column combination switch
F    Brake light switch
J623  Engine control unit
SC42  Fuse 42 on fuse holder C
T4c   4-pin connector, black
T41   41-pin connector, grey
T94   94-pin connector, black
T94a  94-pin connector, black

42    Earth point, next to steering column
371   Earth connection 6, in main wiring harness
A2    Positive connection (15), in dash panel wiring harness
B482  Connection 18, in main wiring harness

* Only models with headlight range control
*2 Only models with petrol engine
*3 Only models with diesel engine
*4 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

https://www.automotive-manuals.net/
Load area illumination switch, Additional brake light bulb, Load area illumination bulb

- **E481** Load area illumination switch, near radio
- **L76** Button illumination bulb
- **M25** Additional brake light bulb
- **M53** Load area illumination bulb
- **SC9** Fuse 9 on fuse holder C
- **T6a** 6-pin connector
- **T6al** 6-pin connector
- **T17c** 17-pin connector, on left under dash panel, white
- **T17d** 17-pin connector, on left under dash panel, green

**61** Earth point, left C-pillar

**110** Earth connection 2, in dash panel wiring harness

**370** Earth connection 5, in main wiring harness

**A2** Positive connection (15), in dash panel wiring harness

**A7** Positive connection (58 D1), in dash panel wiring harness

**B335** Connection 1 (54), in main wiring harness

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**Legend:**
- **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
Exterior lighting, (7L3),(7L6),(7L6)
From January 2013
Light switch, Onboard supply control unit

- E1: Light switch
- J25: Headlight relay
- J519: Onboard supply control unit
- SC28: Fuse 28 on fuse holder C
- SC53: Fuse 53 on fuse holder C
- SC55: Fuse 55 on fuse holder C
- T10j: 10-pin connector, black
- T73a: 73-pin connector, black
- T73b: 73-pin connector, colourless

(B167) Connection (56b), in interior wiring harness

Legend:
- 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

Current Flow Diagram

No. 93 / 2

https://www.automotive-manuals.net/
Light switch, Onboard supply control unit

- **E1** Light switch
- **J519** Onboard supply control unit
- **J906** Starter relay 1
- **J907** Starter relay 2
- **SC1** Fuse 1 on fuse holder C
- **SC29** Fuse 29 on fuse holder C
- **SC63** Fuse 63 on fuse holder C
- **T10j** 10-pin connector, black
- **T73a** 73-pin connector, black
- **T73b** 73-pin connector, colourless

- **A38** Positive connection 2 (15a) in dash panel wiring harness
- **A192** Positive connection 3 (15a) in dash panel wiring harness

* Only models with start/stop system
*2 Only models with no start/stop system
*3 Only models with automatic driving lights control

- **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

https://www.automotive-manuals.net/
Switch and instrument illumination regulator, Headlight range control regulator, Onboard supply control unit

- E20  Switch and instrument illumination regulator
- E102 Headlight range control regulator
- J519 Onboard supply control unit
- T6c  6-pin connector
- T73b 73-pin connector, colourless

- B472 Connection 8, in main wiring harness

* Only models with dimmable instrument illumination
*2 Only models with headlight range control
*3 Only models with Trendline equipment
*4 Only models with basic equipment
*5 Only models with Highline equipment

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

https://www.automotive-manuals.net/
Onboard supply control unit, Front left headlight

- **D9** Electronic ignition lock
- **J519** Onboard supply control unit
- **MX1** Front left headlight
- **M1** Left side light bulb
- **M29** Left headlight dipped beam bulb
- **T10** 10-pin connector
- **T73a** 73-pin connector, black
- **V48** Left headlight range control motor
- **A104** Positive connection 2 (15), in dash panel wiring harness
- **B455** Connection (HRC), in main wiring harness
- **B474** Connection 10, in main wiring harness
- **B486** Connection 22, in main wiring harness

* Only models with headlight range control
*2 Only models with rain sensor

Legend:
- **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

Current Flow Diagram

No. 93 / 5

https://www.automotive-manuals.net/
Onboard supply control unit, Left fog light bulb, Front left headlight, Left turn signal repeater bulb

- J519 Onboard supply control unit
- L22 Left fog light bulb
- L174 Left daytime running light bulb
- MX1 Front left headlight
- M5 Front left turn signal bulb
- M18 Left turn signal repeater bulb
- M30 Left headlight main beam bulb
- T10 10-pin connector, black
- T10i 10-pin connector, black
- T73b 73-pin connector, colourless

- 368 Earth connection 3, in main wiring harness
- 655 Earth point, on left headlight, on left on bulkhead
- B469 Connection 5, in main wiring harness
- B488 Connection 24, in main wiring harness

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

https://www.automotive-manuals.net/
Onboard supply control unit, Right fog light bulb, Front right headlight, Right turn signal repeater bulb

- J519 Onboard supply control unit
- L23 Right fog light bulb
- MX2 Front right headlight
- M7 Front right turn signal bulb
- M19 Right turn signal repeater bulb
- M31 Right headlight dipped beam bulb
- T8f 8-pin connector, in rear right of engine compartment, black
- T10c 10-pin connector, black
- T73b 73-pin connector, colourless
- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight, on right on bulkhead
- B470 Connection 6, in main wiring harness
- B484 Connection 20, in main wiring harness
- B487 Connection 23, in main wiring harness
- * Only models with headlight range control

Current Flow Diagram

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

https://www.automotive-manuals.net/
Onboard supply control unit, Front right headlight

- **J519** Onboard supply control unit
- **L175** Right daytime running light bulb
- **MX2** Front right headlight
- **M3** Right side light bulb
- **M32** Right headlight main beam bulb
- **SC32** Fuse 32 on fuse holder C
- **T10c** 10-pin connector, black
- **T73a** 73-pin connector, black
- **V49** Right headlight range control motor
- **376** Earth connection 11, in main wiring harness
- **B473** Connection 9, in main wiring harness
- * Only models with headlight range control

Legend:
- **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

Current Flow Diagram
No. 93 / 8

[Link to website: https://www.automotive-manuals.net/]
Onboard supply control unit

J519 Onboard supply control unit
T73a 73-pin connector, black
T73b 73-pin connector, colourless
* Only models with manual gearbox
*2 Only models with automatic gearbox
*3 Only models with automatic driving lights control
*4 Only models with no start/stop system

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

ws/br = white/brown
sw/rt = black/red
sw/bl = black/blue
gr/gn = grey/green
vi/gc = violet/yellow
or/br = orange/brown
rs/sw = pink/black

Current Flow Diagram

https://www.automotive-manuals.net/
Left tail light

L46 Rear left fog light bulb
MX3 Left tail light
M4 Left tail light bulb
M6 Rear left turn signal bulb
M9 Left brake light bulb
M16 Left reversing light bulb
TSi 5-pin connector, black
T17e 14-pin connector, behind rear bumper on left
T17e 17-pin connector, near handbrake lever, red

28 Earth point, on bulkhead
68 Earth point, on left of rear cross member
66 Earth connection 1, in rear wiring harness

W1 Positive connection 1 (54), in rear wiring harness

* see applicable current flow diagram for preparation for trailer coupling
*2 Only right-hand drive models
*3 Only models with no towing bracket
*4 Only models with no rear fog light

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

https://www.automotive-manuals.net/
Right tail light, Left number plate light, Right number plate light

- L47  Rear right fog light bulb
- M2   Right tail light bulb
- MX4  Right tail light
- M8   Rear right turn signal bulb
- M10  Right brake light bulb
- M17  Right reversing light bulb
- T5k  5-pin connector
- T17e 17-pin connector, near handbrake lever, red
- T18a 18-pin connector, near engine control unit, grey
- X4   Left number plate light
- X5   Right number plate light

- 86   Earth connection 1, in rear wiring harness
- 196  Earth connection 3, in rear wiring harness
- 197  Earth connection 4, in rear wiring harness
- W3   Connection in rear wiring harness
- W70  Positive connection 2 (58), in number plate wiring harness

* Only right-hand drive models
*2 Only models with no rear fog light

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
Reversing light switch, Dash panel insert, Automatic anti-dazzle interior mirror

- F4  Reversing light switch
- J285  Control unit in dash panel insert
- K  Dash panel insert
- K1  Main beam warning lamp
- K13  Rear fog light warning lamp
- SC30  Fuse 30 on fuse holder C
- T6kp  6-pin connector, on interior mirror, black
- T17g  17-pin connector, near handbrake lever, black
- T18a  18-pin connector, near engine control unit, grey
- T32  32-pin connector, blue
- Y7  Automatic anti-dazzle interior mirror

- B478  Connection 14, in main wiring harness
- B483  Connection 19, in main wiring harness
- B520  Connection (RL), in main wiring harness
- B522  Connection (FL), in main wiring harness

* Only models with manual gearbox
*2 Only models with automatic gearbox
*3 Only models with automatic driving lights control
*4 Only models with rain sensor

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
Steering column combination switch, Brake light switch, Fuse 42 on fuse holder C

E595  Steering column combination switch
F  Brake light switch
J217  Automatic gearbox control unit
J623  Engine control unit
SC42  Fuse 42 on fuse holder C
T4c  4-pin connector
T16q  16-pin connector
T17g  17-pin connector, near handbrake lever, black
T41  41-pin connector, grey
T94  94-pin connector, black
T94a  94-pin connector

42  Earth point, next to steering column
371  Earth connection 6, in main wiring harness
A2  Positive connection (15), in dash panel wiring harness
B482  Connection 18, in main wiring harness

* Only models with manual gearbox
*2 Only models with diesel engine
*3 Only models with petrol engine
*4 Only models with start/stop system
*5 Only models with automatic gearbox
*6 Only models with no start/stop system

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

https://www.automotive-manuals.net/
Current Flow Diagram

Amarok

Load area illumination switch, Additional brake light bulb,
Load area illumination bulb

- **E481**: Load area illumination switch, near radio
- **L76**: Button illumination bulb
- **M25**: Additional brake light bulb
- **M53**: Load area illumination bulb
- **SC9**: Fuse 9 on fuse holder C
- **T6a**: 6-pin connector, black
- **T6al**: 6-pin connector, blue
- **T10l**: 10-pin connector, on relay carrier, blue
- **T17c**: 17-pin connector, on relay carrier, white
- **T17d**: 17-pin connector, on left under dash panel, green

- **44**: Earth point, lower part of left A-pillar
- **61**: Earth point, left C-pillar
- **110**: Earth connection 2, in dash panel wiring harness
- **366**: Earth connection 1, in main wiring harness
- **370**: Earth connection 5, in main wiring harness
- **A2**: Positive connection (15), in dash panel wiring harness
- **A7**: Positive connection (58 D1), in dash panel wiring harness
- **B335**: Connection 1 (54), in main wiring harness

*Only models with rain sensor*

Legend:
- **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

https://www.automotive-manuals.net/
2.0l diesel engine, CNEA,CSHA,CNFA,CNFB,(7L6)
From January 2013
Battery, Starter, Starter relay 1, Starter relay 2, Fuse holder A, Fuse 5 in fuse holder A

- **A** Battery
- **B** Starter
- **J906** Starter relay 1
- **J907** Starter relay 2
- **SA** Fuse holder A
- **SA4** Fuse 4 in fuse holder A
- **SA5** Fuse 5 in fuse holder A
- **SC63** Fuse 63 on fuse holder C
- **SC70** Fuse 70 on fuse holder C
- **T18a** 18-pin connector, near engine control unit, grey

1. Earth strap, battery - body

(A192) Positive connection 3 (15a) in dash panel wiring harness

(B479) Connection 15, in main wiring harness

* Hot country version

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

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Volkswagen Technical Site:  http://vwts.ru  http://vwts.info

https://www.automotive-manuals.net/
Alternator with voltage regulator, Fuel pump relay, Battery monitor control unit, Engine control unit, Fuse holder A, Fuse holder B

- CX1 Alternator with voltage regulator
- J17 Fuel pump relay
- J367 Battery monitor control unit
- J623 Engine control unit
- SA Fuse holder A
- SA1 Fuse 1 in fuse holder A
- SB Fuse holder B
- SB2 Fuse 2 on fuse holder B
- SB4 Fuse 4 on fuse holder B
- T2y 2-pin connector, front left in engine compartment, black
- T18 18-pin connector, near engine control unit, black
- T94a 94-pin connector, black

- B231 Positive connection 5 (30a), in interior wiring harness
- B277 Positive connection 1 (15a) in main wiring harness
- B322 Positive connection 8 (30a) in main wiring harness
- B549 Connection 2 (LIN bus) in main wiring harness
- B564 Connection 31, in main wiring harness

* Hot country version

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

https://www.automotive-manuals.net/
Terminal 30 voltage supply relay, Auxiliary coolant heater relay, Engine control unit, Fuse 15 on fuse holder C, Fuse 36 on fuse holder C

F36 Clutch pedal switch
J317 Terminal 30 voltage supply relay, on relay carrier
J493 Auxiliary coolant heater relay
J623 Engine control unit
SC15 Fuse 15 on fuse holder C
SC36 Fuse 36 on fuse holder C
T4bg 4-pin connector
T94a 94-pin connector, black
V55 Circulation pump

(B564) Connection 31, in main wiring harness
* see applicable current flow diagram for air conditioning
*2 Only models with manual gearbox
*3 Only models with Climatronic

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

https://www.automotive-manuals.net/
Cruise control system switch, Steering column combination switch, Onboard supply control unit, Engine control unit

- **E45**: Cruise control system switch
- **E595**: Steering column combination switch
- **J519**: Onboard supply control unit
- **J623**: Engine control unit
- **T16**: 16-pin connector, black
- **T41**: 41-pin connector, grey
- **T73b**: 73-pin connector, colourless
- **T94a**: 94-pin connector, black
- **U31**: Diagnostic connection

**B141**: Positive connection 1 (56a), in interior wiring harness

**B383**: Connection 1 (powertrain CAN bus, high), in main wiring harness

* Only models with cruise control system (CCS)
*2 Only models with no headlight range control, see respective Current Flow Diagram headlight
*3 Only models with automatic driving lights control
*4 Only models with manual gearbox

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

https://www.automotive-manuals.net/
Engine control unit, Heater element for crankcase breather,
Fuse 4 on fuse holder C, Fuse 25 on fuse holder C

- J623 Engine control unit
- N79 Heater element for crankcase breather
- SC4 Fuse 4 on fuse holder C
- SC25 Fuse 25 on fuse holder C
- T94a 94-pin connector, black

- 369 Earth connection 4, in main wiring harness
- 656 Earth point, on right headlight
- B441 Connection (CCS), in main wiring harness
- B568 Connection 35, in main wiring harness

* Only models with crankcase breather heater element
*2 Only models with cruise control system (CCS)

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

No. 94 / 7

https://www.automotive-manuals.net/
Main relay, Engine control unit, Charge pressure control solenoid valve, Exhaust flap valve, Exhaust gas recirculation cooler changeover valve, Fuse 10 on fuse holder C, Fuse 23 on fuse holder C

- J271 Main relay, on relay carrier
- J623 Engine control unit
- N75 Charge pressure control solenoid valve
- N220 Exhaust flap valve
- N345 Exhaust gas recirculation cooler changeover valve
- SC10 Fuse 10 on fuse holder C
- SC23 Fuse 23 on fuse holder C
- T18 18-pin connector, near engine control unit, black
- T60 60-pin connector, black
- T94a 94-pin connector, black

*2 Only models with Euro 5 emission standard

According to equipment
Automatic glow period control unit, Engine control unit, Glow plug 1, Glow plug 2, Glow plug 3, Glow plug 4

- J179 Automatic glow period control unit
- J623 Engine control unit
- Q10 Glow plug 1
- Q11 Glow plug 2
- Q12 Glow plug 3
- Q13 Glow plug 4
- T18 18-pin connector, near engine control unit, black
- T94a 94-pin connector, black

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

https://www.automotive-manuals.net/
Current Flow Diagram

Start/Stop operation button, Engine control unit

- **E693** Start/Stop operation button
- **J623** Engine control unit
- **T6bk** 6-pin connector, black
- **T17c** 17-pin connector, on relay carrier, white
- **T17h** 17-pin connector, on left under dash panel, blue
- **T94a** 94-pin connector, black

- **44** Earth point, lower part of left A-pillar
- **110** Earth connection 2, in dash panel wiring harness
- **366** Earth connection 1, in main wiring harness
- **A7** Positive connection (58 D1), in dash panel wiring harness
- **K8** Connection 1, in centre console wiring harness

* Only models with no headlight range control, see respective Current Flow Diagram headlight

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

https://www.automotive-manuals.net/
Radiator outlet coolant temperature sender, Exhaust gas temperature sender 1, Exhaust gas temperature sender 3, Exhaust gas temperature sender 4, Engine control unit

G83 Radiator outlet coolant temperature sender
G235 Exhaust gas temperature sender 1
G495 Exhaust gas temperature sender 3
G648 Exhaust gas temperature sender 4
J623 Engine control unit
T2q 2-pin connector, in front right wheel housing, black
T2r 2-pin connector, in front right wheel housing, orange
T2s 2-pin connector, in front right wheel housing, brown
T18a 18-pin connector, near engine control unit, black
T60 60-pin connector, black
T94a 94-pin connector, black

Connection 33, in main wiring harness
* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
gf = grey
li = purple
gy = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Lambda probe, Engine control unit, Fuse 35 on fuse holder C

- G39  Lambda probe
- J623  Engine control unit
- SC35  Fuse 35 on fuse holder C
- T6t  6-pin connector, front right in engine compartment, black
- T94a  94-pin connector, black
- Z19  Lambda probe heater

* Only models with Euro 5 emission standard

ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Air mass meter, Accelerator position sender, Accelerator position sender 2, Engine control unit, Fuse 5 on fuse holder C

- **G70**: Air mass meter
- **G79**: Accelerator position sender
- **G185**: Accelerator position sender 2
- **J623**: Engine control unit
- **SC5**: Fuse 5 on fuse holder C
- **T4i**: 4-pin connector, black
- **T6g**: 6-pin connector
- **T94a**: 94-pin connector, black

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

Current Flow Diagram

No. 94 / 13

https://www.automotive-manuals.net/
Brake light switch, Charge pressure sender, Intake air temperature sender, Engine control unit

- **F** Brake light switch
- **G31** Charge pressure sender
- **G42** Intake air temperature sender
- **J104** ABS control unit
- **J623** Engine control unit
- **T4c** 4-pin connector, black
- **T4k** 4-pin connector, black
- **T17e** 17-pin connector, near handbrake lever, red
- **T18** 18-pin connector, near engine control unit, black
- **T94a** 94-pin connector, black

- **371** Earth connection 6, in main wiring harness
- **B482** Connection 18, in main wiring harness

* According to equipment
*2 Only models with manual gearbox

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

Current Flow Diagram

No. 94 / 14

https://www.automotive-manuals.net/
Current Flow Diagram

Intake manifold pressure sender, Exhaust gas pressure sensor 1, Gearbox neutral position sender, Engine control unit

- G71 Intake manifold pressure sender
- G450 Exhaust gas pressure sensor 1
- G701 Gearbox neutral position sender
- J623 Engine control unit
- T3d 3-pin connector, black
- T3y 3-pin connector, black
- T4h 4-pin connector, black
- T17g 17-pin connector, near handbrake lever, black
- T94a 94-pin connector, black

- Connection 32, in main wiring harness
- Connection 34, in main wiring harness

* Only models with manual gearbox
*2 Only models with Euro 5 emission standard

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

https://www.automotive-manuals.net/
Radiator fan control unit, Engine control unit, Fuse 14 on fuse holder C, Coolant circulation pump

- J293 Radiator fan control unit
- J623 Engine control unit
- SC14 Fuse 14 on fuse holder C
- T3w 3-pin connector, black
- T4k 4-pin connector, on radiator cowling, black
- T94a 94-pin connector, black
- V7 Radiator fan
- V50 Coolant circulation pump

- 375 Earth connection 10, in main wiring harness
- 655 Earth point, on left headlight
- B613 Connection 41, in main wiring harness

* Only models with "Low" equipment (AW0)
*2 Only models with Euro 5 plus emission standard (7MJ)
*3 Hot country version

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ws = white
sw = black
ro = red
br = brown
gn = green
bl = blue
gf = grey
li = purple
ge = yellow
or = orange
rs = pink
Coolant temperature sender, Engine control unit, Injector, cylinder 1, Injector, cylinder 2, Injector, cylinder 3, Injector, cylinder 4

G62  Coolant temperature sender  
J623  Engine control unit  
N30  Injector, cylinder 1  
N31  Injector, cylinder 2  
N32  Injector, cylinder 3  
N33  Injector, cylinder 4  
T60  60-pin connector, black

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

https://www.automotive-manuals.net/
Hall sender, Exhaust gas recirculation potentiometer, Charge pressure sender 2, Engine control unit, Exhaust gas recirculation valve

- **G28**: Engine speed sender
- **G40**: Hall sender
- **G212**: Exhaust gas recirculation potentiometer
- **G447**: Charge pressure sender 2
- **J623**: Engine control unit
- **N18**: Exhaust gas recirculation valve
- **T3q**: 3-pin connector, black
- **T3r**: 3-pin connector, on front of engine, black
- **T3z**: 3-pin connector, black
- **T6ao**: 6-pin connector, black
- **T18**: 18-pin connector, near engine control unit, black
- **T60**: 60-pin connector, black

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

**Connection Points:**
- **D101**: Connection 1 in engine compartment wiring harness
- **D102**: Connection 2 in engine compartment wiring harness
- **D103**: Connection 3 in engine compartment wiring harness
- **D107**: Connection 5 in engine compartment wiring harness
Throttle valve potentiometer, Fuel temperature sender, Fuel pressure sender, Position sender for charge pressure positioner, Throttle valve module, Engine control unit, Intake manifold flap motor

- G69 Throttle valve potentiometer
- G81 Fuel temperature sender
- G247 Fuel pressure sender
- G581 Position sender for charge pressure positioner
- J338 Throttle valve module
- J623 Engine control unit
- T3s 3-pin connector, black
- T3u 3-pin connector
- T5m 5-pin connector
- T60 60-pin connector, black
- V157 Intake manifold flap motor

Diagram:
- D101 Connection 1 in engine compartment wiring harness
- D103 Connection 3 in engine compartment wiring harness

Legend:
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https://www.automotive-manuals.net/
Clutch pedal switch for stop/start system, Automatic gearbox control unit, Engine control unit, Fuel pressure regulating valve, Fuel metering valve, Fuse 12 on fuse holder C

- **F4** Reversing light switch
- **F71** Clutch pedal switch for stop/start system
- **J217** Automatic gearbox control unit
- **J623** Engine control unit
- **N276** Fuel pressure regulating valve
- **N290** Fuel metering valve
- **SC12** Fuse 12 on fuse holder C
- **T16** 16-pin connector
- **T17g** 17-pin connector, near handbrake lever, black
- **T18** 18-pin connector, near engine control unit, black
- **T60** 60-pin connector, black
- **T94a** 94-pin connector, black

- **B520** Connection (RL), in main wiring harness
- **D106** Connection 4 in engine compartment wiring harness

* Only models with manual gearbox
*2 Only models with start/stop system

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**Legend:**
- **ws** = white
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- **ro** = red
- **br** = brown
- **gn** = green
- **bl** = blue
- **gr** = grey
- **li** = purple
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- **or** = orange
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Current Flow Diagram

No. 94 / 20

https://www.automotive-manuals.net/
Fuel system pressurisation pump, Oil level and oil temperature sender, Dash panel insert

- G Fuel gauge sender
- GX1 Fuel delivery unit
- G1 Fuel gauge
- G3 Coolant temperature gauge
- G5 Rev. counter
- G6 Fuel system pressurisation pump
- G21 Speedometer
- G266 Oil level and oil temperature sender
- J286 Control unit in dash panel insert
- K Dash panel insert
- K2 Alternator warning lamp
- K28 Coolant temperature and coolant shortage warning lamp
- K132 Electronic power control fault lamp
- SC42 Fuse 42 on fuse holder C
- T3m 3-pin connector
- T5g 5-pin connector, black
- T17e 17-pin connector, near handbrake lever, red
- T32 32-pin connector, blue

- 68 Earth point, on left of rear cross member
- 86 Earth connection 1, in rear wiring harness
- 196 Earth connection 3, in rear wiring harness
- 374 Earth connection 9, in main wiring harness
- A2 Positive connection (15), in dash panel wiring harness

* Only models with Euro 5 emission standard
*2 Only models with Euro 5 plus emission standard (7MJ)

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gf = grey
li = purple
gc = yellow
or = orange
rs = pink

https://www.automotive-manuals.net/
Oil pressure switch, Dash panel insert

- D2 Immobiliser reader coil
- F1 Oil pressure switch
- H3 Buzzer and gong
- J285 Control unit in dash panel insert
- K Dash panel insert
- K3 Oil pressure warning lamp
- K29 Glow period warning lamp
- K31 Cruise control system warning lamp
- K38 Oil level warning lamp
- K105 Reserve fuel warning lamp
- T18 18-pin connector, near engine control unit, black
- T32 32-pin connector, blue

Connection 1 (convenience CAN bus, high), in main wiring harness

Connection 1 (convenience CAN bus, low), in main wiring harness

* Only models with automatic driving lights control

Legend:
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- br = brown
- gn = green
- bl = blue
- gr = grey
- li = purple
- ge = yellow
- or = orange
- rs = pink