C6 RS6 Engine Wiring Diagrams

This diagram is taken from Elsawin, the Audi technicians “Haynes Manual” and as such, they reference a lot of “Audi Special Tools”, most of which can be made or bought simply.

Any reference to a “Vehicle Diagnostic Tester” means VCDS software.
Audi RS6 5.0 l Fuel injection engine (426 kW - 10 cylinder), engine code BUH
from June 2008

Notes:
For information concerning
♦ Position of relays and fuses
♦ Multi-pin connections
♦ Control units and relays
♦ Earth connections
→ List of Fitting Locations!
For information concerning
♦ Fault Finding Programs
→ guided fault finding
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Current Flow Diagram

Battery, energy management control unit, battery monitor control unit, fuses

A - battery
J367 - Battery monitor control unit
J533 - Data bus diagnostic interface
J644 - Energy management control unit
SF6 - Fuse 6 on fuse holder F
T2bc - 2-pin connector, yellow, on battery monitor control unit
T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
T20p - 20-pin connector, black, on data bus diagnostic interface
T46b - 46-pin connector, CAN disconnector right
B397 - Connection 1 (convenience CAN bus, high), in main wiring harness
B406 - Connection 1 (convenience CAN bus, low), in main wiring harness
624 - Earth point, starter battery

• - CAN bus (data wire)
* - main fuse box, in luggage compartment, rear right, on the battery
# - up to May 2008
## - from June 2008

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
g = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink
Battery isolation igniter, fuses

- J234: Airbag control unit
- N253: Battery isolation igniter
- S131: Fuse 1
- S132: Fuse 2
- S133: Fuse 3
- T2au: 2-pin connector, purple, on battery isolation igniter
- T75: 75-pin connector, grey, on airbag control unit

Earth points:
- 13: Earth point, on right in engine compartment
- 18: Earth point on engine block

Positive connections:
- B272: Positive connection (30), in main wiring harness
- B300: Positive connection 4 (30), in main wiring harness
- B301: Positive connection 5 (30), in main wiring harness

Main fuse box:
* - main fuse box, in luggage compartment, rear right, on the battery

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
Starter, alternator, terminal 15 voltage supply relay, starter motor relay, suppression filter

- **B**: Starter
- **C**: Alternator
- **C1**: Voltage regulator
- **C24**: Suppression filter
- **J53**: Starter motor relay
- **J329**: Terminal 15 voltage supply relay
- **J518**: Entry and start authorisation control unit
- **J695**: Starter motor relay 2
- **S42**: Radiator fan single fuse
- **S104**: Radiator fan fuse for 2nd speed
- **T2**: 2-pin connector, black, on alternator
- **T2av**: 2-pin connector, brown, on right in engine compartment
- **T17a**: 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- **T20h**: 20-pin connector, black, connector A, on entry and start authorisation control unit
- **646**: Earth point 2, on bulkhead

- **B165**: Positive connection 2 (15), in interior wiring harness
- **B273**: Positive connection (15), in main wiring harness
- **B298**: Positive connection 2 (30), in main wiring harness
- **D97**: Connection (50), in engine compartment right wiring harness

- **S42**: Radiator fan single fuse
- **S104**: Radiator fan fuse for 2nd speed
- **T2**: 2-pin connector, black, on alternator
- **T2av**: 2-pin connector, brown, on right in engine compartment
- **T17a**: 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- **T20h**: 20-pin connector, black, connector A, on entry and start authorisation control unit
- **646**: Earth point 2, on bulkhead

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

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**Current Flow Diagram**

No. 109 / 4
Engine control unit, Motronic current supply relay
- J271 - Motronic current supply relay
- J623 - Engine control unit
- SA8 - Fuse 8 in fuse holder A
- SB3 - Fuse 3 on fuse holder B
- T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- T17o - 17-pin connector, brown, coupling station on electronics box, left in plenum chamber
- T94a - 94-pin connector, black, connector B, on engine control unit
- B302 - Positive connection 6 (30), in main wiring harness
- D50 - Positive connection (30), in engine compartment wiring harness
- D101 - Connection 1, in engine compartment wiring harness
- D115 - Connection 13, in engine compartment wiring harness
- D116 - Connection 14, in engine compartment wiring harness
- * - Screw connection in electronics box left in plenum chamber
- ** - Relay carrier electronics box left in plenum chamber

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

Engine control unit
- E45 - Cruise control system switch
- J518 - Entry and start authorisation control unit
- J527 - Steering column electronics control unit
- J623 - Engine control unit
- SA4 - Fuse 4 on fuse holder A
- T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- T17c - 17-pin connector, white, coupling station on electronics box, left in plenum chamber
- T20h - 20-pin connector, black, connector A, on entry and start authorisation control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- 85 - Earth connection 1, in engine compartment wiring harness
- 647 - Earth point 3, on bulkhead
- D102 - Connection 2, in engine compartment wiring harness

* - models with cruise control system
### - right-hand drive

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

No. 109 / 7

Engine control unit, injector cylinder 1 up to 4, ignition coil 1 up to 4 with output stage

- Engine control unit (J623)

- Injector, cylinder 1 (N30)
- Injector, cylinder 2 (N31)
- Injector, cylinder 3 (N32)
- Injector, cylinder 4 (N33)

- Ignition coil 1 with output stage (N70)
- Ignition coil 2 with output stage (N127)
- Ignition coil 3 with output stage (N291)
- Ignition coil 4 with output stage (N292)

- Spark plug connector (P)
- Spark plugs (Q)

- 14-pin connector, black, in engine compartment, bank 1 (T14k)
- 60-pin connector, black, connector A, on engine control unit (T60a)

- Earth connection 3, in engine compartment wiring harness (132)

- Earth connection (engine earth), in engine wiring harness (221)

- Connection 4, in engine compartment wiring harness (D106)

- Connection 16, in engine compartment wiring harness (D118)

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

Engine control unit, injector, cylinder 5, ignition coil 5 with output stage

- J364 - Auxiliary heater control unit
- J393 - Convenience system central control unit
- J623 - Engine control unit
- N83 - Injector, cylinder 5
- N323 - Ignition coil 5 with output stage
- P - Spark plug connector
- Q - Spark plugs
- T8a - 8-pin connector, black, on auxiliary heater control unit
- T10v - 10-pin connector, white, coupling station on electronics box, left in plenum chamber
- T10y - 10-pin connector, black, connector C, on convenience system control unit
- T14k - 14-pin connector, black, in engine compartment, bank 1
- T17o - 17-pin connector, brown, coupling station on electronics box, left in plenum chamber
- T60a - 60-pin connector, black, connector A, on engine control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- 132 - Earth connection 3, in engine compartment wiring harness
- 221 - Earth connection (engine earth), in engine wiring harness
- 600 - Earth point, on right of cylinder head
- D106 - Connection 4, in engine compartment wiring harness
- D118 - Connection 16, in engine compartment wiring harness
- D123 - Connection 21, in engine compartment wiring harness
- * - models with auxiliary heater

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

No. 109 / 9

Engine control unit, throttle valve module, accelerator position sender

- G79 - Accelerator position sender
- G185 - Accelerator position sender 2
- G186 - Throttle valve drive (electric power control)
- 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
- T17o - 17-pin connector, brown, coupling station on electronics box, left in plenum chamber
- T60a - 60-pin connector, black, connector A, on engine control unit
- T94a - 94-pin connector, black, connector B, on engine control unit

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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Engine control unit, Hall sender, knock sensors
- G40 - Hall sender
- G61 - Knock sensor 1
- G66 - Knock sensor 2
- G300 - Hall sender 3
- J623 - Engine control unit
- T3i - 3-pin connector, grey, on knock sensor 2
- T3p - 3-pin connector, black, on knock sensor 1
- T60a - 60-pin connector, black, connector A, on engine control unit
- 200 - Earth connection (screening) in engine compartment wiring harness
- D141 - Connection (5V), in engine wiring harness

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

No. 109 / 11

Engine control unit, intake air temperature sender, fuel pressure sender, intake manifold pressure sender, intake manifold flap potentiometer

G42 - Intake air temperature sender
G71 - Intake manifold pressure sender
G247 - Fuel pressure sender
G336 - Intake manifold flap potentiometer
J623 - Engine control unit

T14m - 14-pin connector, brown, in left engine compartment
T60a - 60-pin connector, black, connector A, on engine control unit
T94a - 94-pin connector, black, connector B, on engine control unit
328 - Earth connection 2 (sender earth), in engine compartment wiring harness

D141 - Connection (5V), in engine wiring harness

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

Engine control unit, engine speed sender, charge air pressure sender, coolant temperature sender

- G28 - Engine speed sender
- G31 - Charge air pressure sender
- G62 - Coolant temperature sender
- J623 - Engine control unit
- T60a - 60-pin connector, black, connector A, on engine control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- 327 - Earth connection (sender earth), in engine compartment wiring harness
- 328 - Earth connection 2 (sender earth), in engine compartment wiring harness
- D120 - Connection 18, in engine compartment wiring harness
- D141 - Connection (5V), in engine wiring harness
- D174 - Connection 2 (5V), in engine wiring harness

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

Engine control unit, fuel pressure sender for low pressure, charge pressure control solenoid valve, active charcoal filter system solenoid valve 1, secondary air inlet valve, right electrohydraulic engine mounting solenoid valve, fuel metering valve

G410 - Fuel pressure sender for low pressure
J623 - Engine control unit
N75 - Charge pressure control solenoid valve
N80 - Activated charcoal filter solenoid valve 1
N112 - Secondary air inlet valve
N145 - Right electrohydraulic engine mounting solenoid valve
N290 - Fuel metering valve
T6i - 6-pin connector, black, in right engine compartment
T14m - 14-pin connector, brown, in left engine compartment
T60a - 60-pin connector, black, connector A, on engine control unit
T94a - 94-pin connector, black, connector B, on engine control unit
327 - Earth connection (sender earth), in engine compartment wiring harness
D108 - Connection 6, in engine compartment wiring harness
D174 - Connection 2 (5V), in engine wiring harness

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

Engine control unit, secondary air pump relay, turbocharger air recirculation valve

- J299 - Secondary air pump relay
- J623 - Engine control unit
- N249 - Turbocharger air recirculation valve
- S130 - Secondary air pump fuse
- SA5 - Fuse 5 on fuse holder A
- T2be - 2-pin connector, black, on left in engine compartment
- T60a - 60-pin connector, black, connector A, on engine control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- V101 - Secondary air pump motor
- 607 - Earth point, on left in plenum chamber

- D107 - Connection 5, in engine compartment wiring harness
- D108 - Connection 6, in engine compartment wiring harness

* - Relay carrier electronics box on right in plenum chamber

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**

Engine control unit, inlet camshaft control valve 1, exhaust camshaft control valve 1, intake manifold flap valve, fuel system diagnostic pump

- J623 - Engine control unit
- N205 - Camshaft control valve 1
- N316 - Intake manifold flap valve
- N318 - Exhaust camshaft control valve 1
- SA3 - Fuse 3 in fuse holder A
- T14k - 14-pin connector, black, in engine compartment, bank 1
- T14m - 14-pin connector, brown, in left engine compartment
- T170 - 17-pin connector, brown, coupling station on electronics box, left in plenum chamber
- T60a - 60-pin connector, black, connector A, on engine control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- V144 - Fuel system diagnostic pump
- D107 - Connection 5, in engine compartment wiring harness
- D109 - Connection 7, in engine compartment wiring harness

* - models with fuel system diagnostic pump

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

**Engine control unit, continued coolant circulation relay, engine component current supply relay**

- J151 - Continued coolant circulation relay
- J217 - Automatic gearbox control unit
- J518 - Entry and start authorisation control unit
- J587 - Selector lever sensors control unit
- J623 - Engine control unit
- J757 - Engine component current supply relay
- SA10 - Fuse 10 on fuse holder A
- T6i - 6-pin connector, black, in right engine compartment
- T10p - 10-pin connector, black, on selector lever sensors control unit
- T16c - 16-pin connector, black, on automatic gearbox control unit
- T17c - 17-pin connector, white, coupling station on electronics box, left in plenum chamber
- T20h - 20-pin connector, black, connector A, on entry and start authorisation control unit
- T94a - 94-pin connector, black, connector B, on engine control unit
- V51 - Continued coolant circulation pump
- D109 - Connection 7, in engine compartment wiring harness
- E26 - Connection (selector position P/N), in Motronic wiring harness

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

* - Relay carrier electronics box left in plenum chamber
Current Flow Diagram

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Engine control unit, lambda probe, lambda probe after catalytic converter

G39  - Lambda probe
G130 - Lambda probe after catalytic converter
J623 - Engine control unit
SA6  - Fuse 6 on fuse holder A
SA7  - Fuse 7 on fuse holder A
T4m  - 4-pin connector, black, for Lambda probe after catalytic converter
T6a  - 6-pin connector, black, for Lambda probe
T94a - 94-pin connector, black, connector B, on engine control unit
Z19  - Lambda probe heater
Z29  - Lambda probe 1 heater after catalytic converter
D110 - Connection 8, in engine compartment wiring harness
D111 - Connection 9, in engine compartment wiring harness

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

Engine control unit, brake light switch, brake pedal switch

- Brake light switch
- Brake pedal switch
- ESP sensor unit
- ABS control unit
- Engine control unit
- 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- 17-pin connector, green, coupling station on left of A-piller
- 60-pin connector, black, connector A, on engine control unit
- 94-pin connector, black, connector B, on engine control unit
- Earth point, centre behind dash panel
- Earth connection 9, in main wiring harness
- Connection 1 (54), in main wiring harness
- Connection 2 (54), in main wiring harness
- Positive connection 2 (15), in main wiring harness

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

Engine control unit, radiator fan control unit, radiator fan
J293 - Radiator fan control unit
J623 - Engine control unit
J671 - Radiator fan control unit 2
SA9 - Fuse 9 on fuse holder A
T6aq - 6-pin connector, black, electronics box, right in plenum chamber, radiator fan
T17o - 17-pin connector, brown, coupling station on electronics box, left in plenum chamber
T94a - 94-pin connector, black, connector B, on engine control unit
V7 - radiator fan
V177 - Radiator fan 2

194 - Earth connection 2, in coolant fan wiring harness
614 - Earth point 2, on right in engine compartment
K22 - Connection 2, in radiator fan wiring harness

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
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Current Flow Diagram

No. 109 / 20

Engine control unit, engine control unit 2, CAN bus wiring

- J217 - Automatic gearbox control unit
- J623 - Engine control unit
- J624 - Engine control unit 2
- T16 - 16-pin connector, diagnostic connector
- T16c - 16-pin connector, black, on automatic gearbox control unit
- T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
- T46a - 46-pin connector, CAN disconnector left
- T94a - 94-pin connector, black, connector B, on engine control unit
- T94b - 94-pin connector, black, connector B, on engine control unit 2
- D159 - Connection (high bus), in engine compartment wiring harness
- D160 - Connection (low bus), in engine compartment wiring harness
- CAN bus (data wire)

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
Engine control unit 2, throttle valve module 2
G296 - Throttle valve drive 2
G297 - Angle sender 1 for throttle valve drive 2
G298 - Angle sender 2 for throttle valve drive 2
J544 - Throttle valve module 2
J624 - Engine control unit 2
T60b - 60-pin connector, black, connector A, on engine control unit 2
T94b - 94-pin connector, black, connector B, on engine control unit 2

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

Engine control unit 2, injectors cylinder 6 up to 9, ignition coils 6 up to 9 with output stage

- J624 - Engine control unit 2
- N84 - Injector, cylinder 6
- N85 - Injector, cylinder 7
- N86 - Injector, cylinder 8
- N299 - Injector, cylinder 9
- N324 - Ignition coil 6 with output stage
- N325 - Ignition coil 7 with output stage
- N326 - Ignition coil 8 with output stage
- N327 - Ignition coil 9 with output stage
- P - Spark plug connector
- Q - Spark plugs
- T14i - 14-pin connector, black, in engine compartment, bank 2
- T60b - 60-pin connector, black, connector A, on engine control unit 2
- 131 - Earth connection 2, in engine compartment wiring harness
- 241 - Earth connection 2 engine earth, in engine wiring harness
- D103 - Connection 3, in engine compartment wiring harness
- D117 - Connection 15, in engine compartment wiring harness

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

Engine control unit 2, injector, cylinder 10, ignition coil 10 with output stage, air conditioner compressor regulating valve

J217 - Automatic gearbox control unit
J255 - Climatronic control unit
J624 - Engine control unit 2
N280 - Air conditioning system compressor regulating valve
N300 - Injector, cylinder 10
N328 - Ignition coil 10 with output stage
P - Spark plug connector
Q - Spark plugs
SA2 - Fuse 2 in fuse holder A
T14l - 14-pin connector, black, in engine compartment, bank 2
T16c - 16-pin connector, black, on automatic gearbox control unit
T17a - 17-pin connector, red, coupling station on electronics box, left in plenum chamber
T60b - 60-pin connector, black, connector A, on engine control unit 2
131 - Earth connection 2, in engine compartment wiring harness
167 - Earth connection 4, in engine compartment wiring harness
241 - Earth connection 2 engine earth, in engine wiring harness
601 - Earth point, on left of cylinder head
607 - Earth point, on left in plenum chamber
D103 - Connection 3, in engine compartment wiring harness
D117 - Connection 15, in engine compartment wiring harness

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

Engine control unit 2, Hall sender, knock sensors
G163 - Hall sender 2
G198 - Knock sensor 3
G199 - Knock sensor 4
G301 - Hall sender 4
J624 - Engine control unit 2
T3d - 3-pin connector, blue, on knock sensor 4
T3x - 3-pin connector, white, on knock sensor 3
T60b - 60-pin connector, black, connector A, on engine control unit 2
D119 - Connection 17, in engine compartment wiring harness
D121 - Connection 19, in engine compartment wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
vi = purple
vi = purple
gi = yellow
or = orange
rs = pink
Engine control unit 2, intake manifold flap 2 potentiometer, exhaust camshaft control valve 2, exhaust camshaft control valve 2, fuel pressure sender 2

- G512: Intake manifold flap 2 potentiometer
- G624: Fuel pressure sender 2
- J624: Engine control unit 2
- N208: Camshaft control valve 2
- N319: Exhaust camshaft control valve 2
- T14i: 14-pin connector, black, in engine compartment, bank 2
- T14m: 14-pin connector, brown, in left engine compartment
- T60b: 60-pin connector, black, connector A, on engine control unit 2
- D113: Connection 11, in engine compartment wiring harness
- D121: Connection 19, in engine compartment wiring harness

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink
Engine control unit 2, additional coolant pump relay, radiator fan 3 relay, charge air pressure sender 2, left electrohydraulic engine mounting solenoid valve, charge pressure control solenoid valve 2, fuel metering valve 2

- G447 - Charge pressure sender 2
- J496 - Additional coolant pump relay
- J624 - Engine control unit 2
- J752 - Radiator fan 3 relay
- N144 - Left electrohydraulic engine mounting solenoid valve
- N274 - Charge pressure control solenoid valve 2
- N402 - Fuel metering valve 2
- S94 - Radiator fan fuse for 3rd speed
- T2bf - 2-pin connector, grey, in right engine compartment
- T2bg - 2-pin connector, grey, in left engine compartment
- T6aq - 6-pin connector, black, electronics box, right in plenum chamber, radiator fan
- T60b - 60-pin connector, black, connector A, on engine control unit 2
- T94b - 94-pin connector, black, connector B, on engine control unit 2
- V35 - Right radiator fan
- V402 - Left radiator fan
- V403 - Circulation pump 2

- 193 - Earth connection 1, in coolant fan wiring harness
- K24 - Connection 3, in radiator fan wiring harness
- * - Relay carrier electronics box left in plenum chamber
- ** - Relay carrier electronics box on right in plenum chamber
Engine control unit 2, lambda probe 2, lambda probe 2 after catalytic converter, fuel pump relay

- G108 - Lambda probe 2
- G131 - Lambda probe 2 after catalytic converter
- J17 - Fuel pump relay
- J624 - Engine control unit 2
- SC1 - Fuse 1 on fuse holder C
- T4n - 4-pin connector, brown, for Lambda probe 2 after catalytic converter
- T6b - 6-pin connector, black, for Lambda probe 2
- T94b - 94-pin connector, black, connector B, on engine control unit 2
- Z28 - Lambda probe heater 2
- Z30 - Lambda probe 2 heater after catalytic converter

- 51 - Earth point, on right in luggage compartment

- 368 - Earth connection 3, in main wiring harness

* - Relay and fuse carrier right in luggage compartment, rear right

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

Fuel pump control unit, control unit in dash panel insert, fuel system pressurisation pump, fuel gauge sender, fuel gauge, fuel gauge sender 2

- Fuel gauge sender
- Fuel gauge
- Fuel system pressurisation pump
- Fuel gauge sender 2
- Control unit in dash panel insert
- Data bus diagnostic interface
- Fuel pump control unit
- 5-pin connector, black, on fuel tank
- 26-pin connector, black, on data bus diagnostic interface
- 32-pin connector, grey, on dash panel insert
- Display in dash panel insert
- Earth point, on right in luggage compartment
- Earth connection 6, in main wiring harness
- Earth connection 1 (sender earth) in main wiring harness
- CAN bus (data wire)
- only four-wheel drive

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = purple
vi = purple
ge = yellow
or = orange
rs = pink
Audi A6

Current Flow Diagram

Control unit in dash panel insert, oil pressure warning lamp, coolant temperature and coolant shortage warning lamp, oil level and oil temperature sender, oil pressure switch, coolant shortage indicator switch

- Oil pressure switch: F1
- Coolant shortage indicator switch: F66
- Oil level and oil temperature sender: G266
- Control unit in dash panel insert: J285
- Oil pressure warning lamp: K3
- Coolant temperature and coolant shortage warning lamp: K28
- Fuse 4 on fuse holder B: SB4
- 14-pin connector, black, in engine compartment, bank 2: T14I
- 17-pin connector, red, coupling station on electronics box, left in plenum chamber: T17a
- 17-pin connector, brown, coupling station on electronics box, left in plenum chamber: T17o
- 32-pin connector, grey, on dash panel insert: T32
- Display in dash panel insert: Y24
- Earth connection 1 (sender earth) in main wiring harness: Y410

E = 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

* = output sender earth