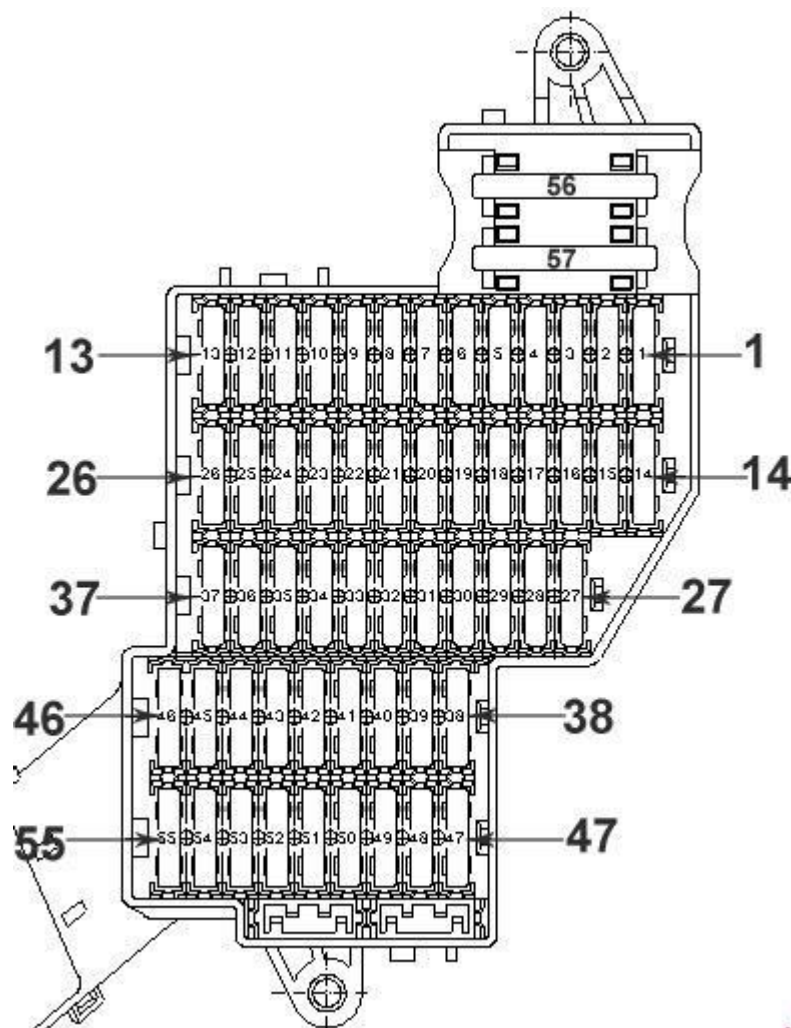


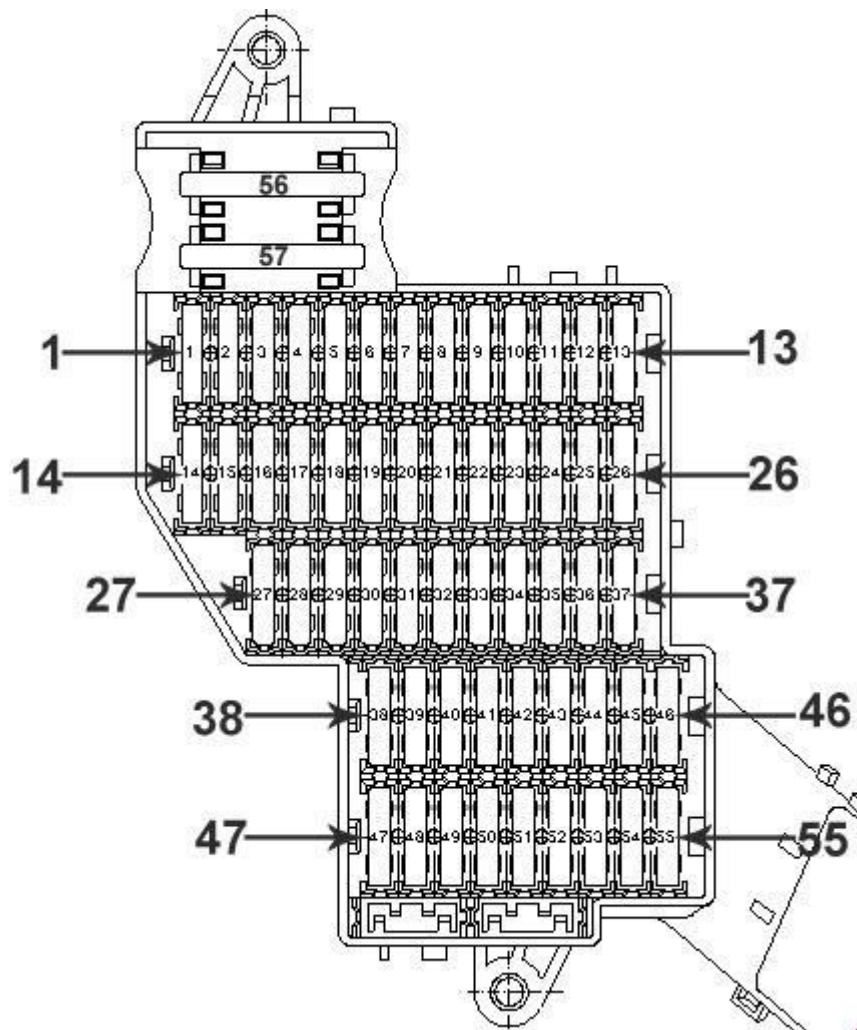
Fuse assignment in fuse box, left dash panel



No.	Function/component
SB1	Cigarette lighter
SB2	Remote control receiver for auxiliary coolant heater, circulation pump, coolant
SB3	12 V socket (rear right), rear cigarette lighter
SB4	Auxiliary coolant heater/supplementary heater
SB5	12 V socket 2 (front centre console), 12 V socket 3 (rear)
SB6	Entry and start authorisation control unit
SB7	Aerial selection control unit, diagnostic connection
SB8	Windscreen wiper motor
SB9	Onboard supply control unit/washer pump
SB10	Window regulator rear left
SB11	Rear left door central locking/control unit, front left
SB12	Onboard supply control unit, interior lighting
SB13	Not assigned
SB14	Window regulator front left
SB15	Convenience system central control unit, bulbs for right brake and tail lights

SB16	Onboard supply control unit/fanfare
SB17	Onboard supply control unit/turn signal, left side light
SB18	Headlight washer system pump
SB19	Onboard supply control unit/fog light
SB20	Not assigned
SB21	Onboard supply control unit
SB22	Axle differential lock control unit
SB23	Axle differential lock control unit, anti-roll bar uncoupling control unit
SB24	Tyre pressure monitor control unit
SB25	Steering column and belt height adjustment control unit
SB26	Airbag system, engine control unit, dash panel insert, battery master/isolator switch, brake pedal switch (3.2 I engine, 3.0 I engine), brake light suppression relay for ESP (4.2 I engine), air mass meter 1 and 2 (4.2 I engine, 3.0 I engine)
SB27	Not assigned
SB28	Not assigned
SB29	Not assigned
SB30	Not assigned
SB31	Not assigned
SB32	Not assigned
SB33	Steering column electronics control unit, steering wheel heater
SB34	Anti-theft alarm system, regulators for front and rear seat heaters (to 10.2003), anti-theft alarm ultra
SB35	Onboard supply control unit, left dipped beam, main beam
SB36	Onboard supply control unit
SB37	Not assigned
SB38	Brake light switch
SB39	Air conditioning system relay, X-contact relay, terminal 15 voltage supply relay, dash panel insert, rear window, transport mode relay
SB40	Control unit in dash panel insert
SB41	Entry and start authorisation control unit
SB42	Sliding sunroof adjustment control unit
SB43	Not assigned
SB44	Left seat longitudinal adjustment, seat rake adjuster (no memory), left seat longitudinal adjustment unit
SB45	Left seat height adjuster, left backrest adjuster, left and right rear seat heater control unit
SB46	Not assigned
SB47	Axle differential lock control unit
SB48	Not assigned
SB49	Servotronic control unit, anti-roll bar uncoupling control unit
SB50	Crankcase breather heater element, secondary air inlet valve
SB51	Air quality sensor, contact switch for parking brake, diagnostic connection, transport mode relay
SB52	Rear window wiper motor
SB53	Exterior mirror heater, light switch, steering column electronics control unit
SB54	Headlight range control
SB55	Air conditioning system relay, fresh air blower relay for 2nd speed
SB56	Solar cell isolation relay, motor for front Bitron blower regulation

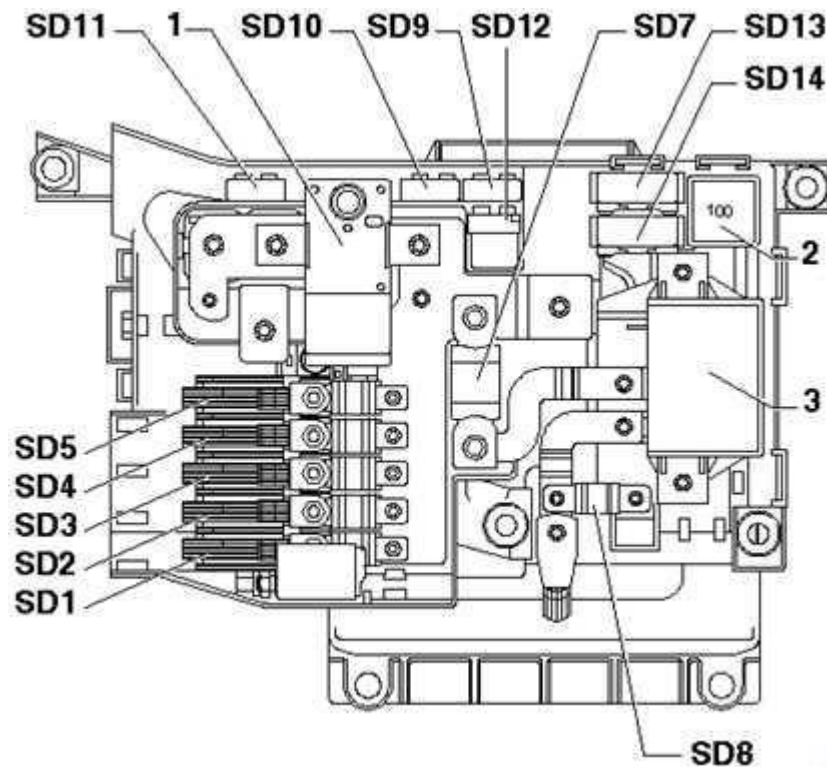
Fuse assignment in fuse box, right dash panel



No.	Function/component
SC1	Electric socket for trailer coupling (Hella), trailer detector control unit (Westfalia)
SC2	Parking aid control unit
SC3	Trailer detector control unit
SC4	Telematics, telephone
SC5	Trailer detector control unit (Westfalia)
SC6	ABS with EDL control unit
SC7	Transfer box control unit
SC8	Onboard supply control unit/supplementary driving light
SC9	Not assigned
SC10	TV tuner
SC11	Radio, control unit with display for radio and navigation system
SC12	Sound system amplifier
SC13	Not assigned

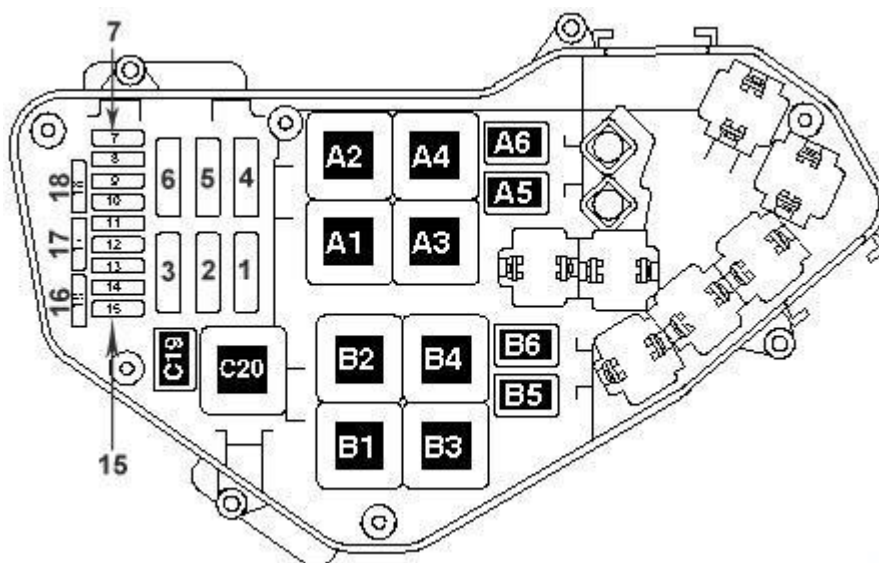
SC14	Convenience system central control unit, bulbs for left brake and tail lights
SC15	Rear right window regulator
SC16	Luggage compartment lights
SC17	Onboard supply control unit, right dipped beam / main beam
SC18	Heated rear window relay
SC19	Not assigned
SC20	Not assigned
SC21	Spare wheel release
SC22	Heated driver seat control unit heated front passenger seat control unit
SC23	Climatronic control unit
SC24	Front passenger seat adjustment with memory control unit
SC25	Rear Climatronic operating and display unit
SC26	Not assigned
SC27	Adaptive suspension control unit
SC28	Not assigned
SC29	Automatic gearbox control unit
SC30	Power latching system relay
SC31	Convenience system central control unit
SC32	Front passenger door control unit, Rear right door control unit
SC33	Individualisation
SC34	Window regulator front right
SC35	Onboard supply control unit/turn signal, right side light
SC36	Roof module, telephone, compass module (vehicle position recognition control
SC37	Not assigned
SC38	TCS and ESP button ABS with EDL control unit
SC39	Heated windscreen relay for left side, heated windscreen relay for right side.
SC40	Transfer box control unit
SC41	Trailer detector control unit (Westfalia)
SC42	Garage door operation control unit, garage door opener warning lamp
SC43	Reversing light switch
SC44	Regulators for front and rear seat heaters (from 11.2003)
SC45	Not assigned
SC46	Not assigned
SC47	Not assigned
SC48	Adaptive suspension control unit
SC49	Automatic anti-dazzle interior mirror, Telephone
SC50	Anti-roll bar uncoupling button
SC51	Automatic gearbox control unit
SC52	Tiptronic switch, selector lever lock for position P solenoid, multifunction switch
SC53	Heated windscreen relay for left side
SC54	Heated windscreen relay for right side
SC55	Not assigned
SC56	ABS with EDL control unit

Fuses and relay position assignment in pre-fuse box, under driver seat



No.	Function/component
SD1	Left fuse box
SD2	Right fuse box
SD3	Right fuse box
SD4	E-box, left fuse holder
SD5	Terminal 15 relay
SD7	Battery parallel circuit
SD8	E-box
SD9	Onboard supply control unit
SD10	Onboard supply control unit
SD11	Diagnostic starter cable
SD12	Not assigned
SD13	Adaptive suspension compressor motor
SD14	Not assigned
Relays	
1	Battery master/isolator switch - E74
2	Terminal 15 voltage supply relay - J329 (100 or 433, according to equipment)
3	Second battery charging circuit relay - J713

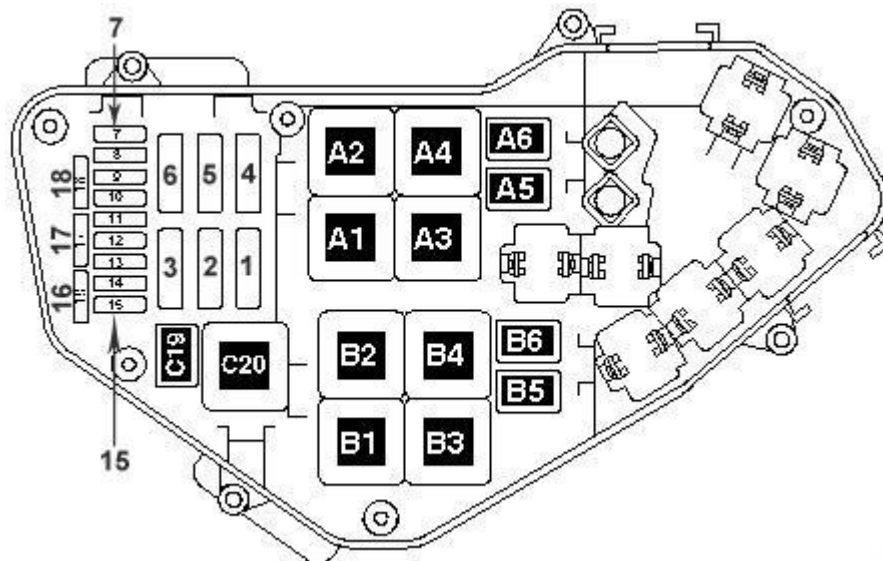
Engine compartment relay & fuse box (Petrol engine)



No.	Function/component
S1	Fan 1
S2	Fan 2
S3	Secondary air pump motor
S4	3,2 l: Not assigned 4,2 l: Secondary air pump motor 2
S5	Not assigned
S6	Not assigned
S7	3,2 l: Ignition coils for cylinders 1-3, injectors for cylinders 1-3 4,2 l: Ignition coils with final output stages for cylinders 1-8
S8	3,2 l: Ignition coils for cylinders 4-6, injectors for cylinders 4-6 4,2 l: Injectors cylinders 1-8
S9	3,2 l: Engine control unit, inlet camshaft control valve, exhaust camshaft control valve, variable intake manifold change-over valve 2 4,2 l: Engine control unit, inlet camshaft control valve 1, exhaust camshaft control valve 2, intake manifold change-over valve 2
S10	3,2 l: Tank leak diagnosis, high-pressure sender for air conditioning system, activated charcoal filter fan control unit 2, brake servo relay 4,2 l: Tank leak diagnosis, high-pressure sender for air conditioning system, activated charcoal filter charcoal filter system solenoid valve 2, radiator fan control unit, radiator fan control unit 2, regulating Climatronic control unit, oil level/oil temperature sender
S11	3,2 l: Oil level/ oil temperature sender, regulating valve for air conditioner compressor, Climatronic 4,2 l: Secondary air inlet valve
S12	3,2 l: Secondary air pump relay, run-on pump relay, additional coolant pump relay 4,2 l: Secondary air pump relay
S13	Fuel pump 2
S14	Fuel pump 1
S15	3,2 l: Motronic current supply relay land 2 4,2 l: Engine control unit, Motronic current supply relay, fuel pump relay, electric fuel pump II relay

S16	3,2 l: Continued circulation of coolant pump, vacuum pump for brakes 4,2 l: Brake servo relay, vacuum pump for brakes, continued coolant circulation relay, coolant pump auxiliary coolant heater)
S17	3,2 l: Lambda probes before catalytic converter 4,2 l: Cylinder bank 1 Lambda probe before catalytic converter, cylinder bank 2 Lambda probe 2 b
S18	3,2 l: Lambda probes after catalytic converter 4,2 l: Lambda probe after catalytic converter for cylinder bank 1, Lambda probe 2 after catalytic co
Relays	
A1	3,2 l: Motronic current supply relay 2 - J670 (53) 4,2 l: Not assigned
A2	Not assigned
A3	3,2 l: Motronic current supply relay - J271 (167) 4,2 l: Motronic current supply relay - J271 (614)
A4	Secondary air pump relay - J299 (100)
A5	Relay for additional coolant pump - J496 (404)
A6	3,2 l: Fuel pump relay - J17 (404) 4,2 l: Electric fuel pump 2 relay - J49 (404)
B1	Not assigned
B2	Not assigned
B3	Not assigned
B4	Not assigned
B5	Not assigned
B6	Brake servo relay - J569 (404), only models with automatic gearbox
C19	3,2 l: Electric fuel pump 2 relay - J49 (404) 4,2 l: Fuel pump relay - J17 (404)
C20	Terminal 50 voltage supply relay - J682 (433)

Engine compartment relay & fuse box (Diesel engine)



No.	Function/component
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S1	Fan 1
S2	Fan 2
S3	5,0 l: Glow plugs 1 2,5 l: Glow plug 1-5 3,0 l: Glow plug 1-6
S4	5,0 l: Glow plugs 2 2,5, 3,0 l: Not assigned
S5	Not assigned
S6	5,0 l: Start relevant equipment, fuel pump, ignition system (only models with second battery) 2,5, 3,0 l: Not assigned
S7	5,0 l: Fuel cooling, additional coolant pump 2,5 l: Not assigned 3,0 l: Fuel pressure regulating valve, fuel metering valve, coolant pump
S8	5,0 l: Engine control unit 2 2,5, 3,0 l: Not assigned
S9	2,5, 5,0 l: Engine control unit 1 3,0 l: Diesel direct injection system control unit
S10	5,0 l: Air conditioning system pressure sensor, exhaust gas recirculation valve, fuel pump relay, radiator fan control unit 2 2,5 l: Exhaust gas recirculation valve, charge pressure control solenoid valve, crankcase breather hose, air conditioning system, regulating valve for air conditioner compressor, fuel pump relay, radiator fan control unit 2, Climatronic/Climatic control unit, continued coolant circulation relay, fuel cooling pump relay, variable valve, radiator changeover valve, exhaust gas recirculation ³⁾ 3,0 l: Automatic glow period control unit, exhaust gas recirculation valve, exhaust gas recirculation manifold flap motor, intake manifold flap 2 motor, throttle valve control module, turbocharger 1 control valve, regulating valve, additional coolant pump relay, air conditioning system control unit, Climatronic control unit, radiator fan control unit 2, high-pressure sender, variable intake manifold changeover valve, fuel pump relay
S11	5,0 l: Map-controlled engine cooling system thermostat, air conditioner compressor regulating valve, control motors for turbocharger 1 and 2, motor for intake manifold flaps 1 and 2 2,5, 3,0 l: Oil level and oil temperature sender
S12	5,0 l: Glow plug relays 1 and 2, additional coolant pump, fuel cooling, brake pedal switch for cruise control 2,5 l: Glow plug relay, continued coolant circulation relay, brake pedal switch 3,0 l: Brake pedal switch
S13	5,0 l: Fuel pump 1
S13	2,5 l: Fuel system pressurization pump, fuel pump, tank circuit pressurisation relay, fuel cooling pump relay 3,0 l: Tank circuit pressurisation relay, fuel system pressurisation pump, fuel pump, circulation pump
S14	Not assigned
S15	3,0, 5,0 l: Terminal 30 voltage supply relay 2,5 l: Not assigned
S16	5,0 l: Battery parallel circuit relay 2,5, 3,0 l: Not assigned
S17	5,0 l: Lambda probe diesel 1 and 2 2,5 l: Not assigned 3,0 l: Lambda probe
S18	Not assigned
Relays	
A1	5,0 l: Terminal 30 voltage supply relay - J317 (207) 2,5 l: Fuel pump relay - J17 (53) 3,0 l: Not assigned

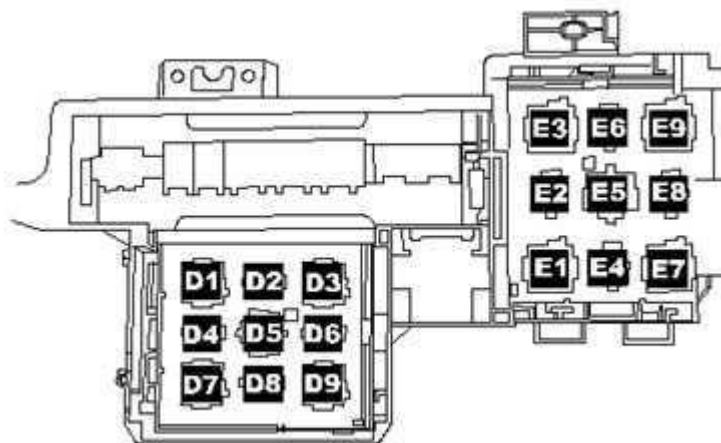
A2	5,0 l: Terminal 30 voltage supply relay 2 - J689 (207) 2,5 l: Terminal 30 voltage supply relay - J317 (109) 3,0 l: Terminal 30 voltage supply relay - J317 (219)
A3	2,5, 5,0 l: Not assigned 3,0 l: Automatic glow period control unit - J179 (639)
A4	5,0 l: Glow plug relay - J52 (202) 2,5 l: Glow plug relay - J52 (103) 3,0 l: Not assigned
A5	Relay for additional coolant pump - J496 (404)
A6	2,5, 5,0 l: Fuel cooling pump relay - J445 (404) 3,0 l: Not assigned
B1	Not assigned
B2	3,0, 5,0 l: Fuel pump relay - J17 (53) 2,5 l: Not assigned
B3	5,0 l: Glow plugs relay 2 - J495 (202) 2,5, 3,0 l: Not assigned
B4	5,0 l: Terminal voltage supply relay 1 - J701 (100) 2,5, 3,0 l: Not assigned
B5	Not assigned
B6	Not assigned
C19	Tank circuit pressurisation relay - J715 (404) only with auxiliary coolant heater
C20	Terminal 50 voltage supply relay - J682 (433)

1) From 01.2004 (5.0 l (V10) TDI)

2) From 03.2003 (2.5 l (R5))

3) Only models with automatic gearbox

Relay locations for E-box on left under dash panel near centre console



No.	Relay
D1	Servotronic control unit - J236 (463)
D2	Power latching system relay - J714 (404)
D3	Adaptive suspension compressor relay - J403 (373)

D4	Not assigned
D5	Air conditioning system relay - J32 (100)
D6	Fresh air blower 2nd speed relay - J486 (404) only models with a manually operated air conditioning
D7	Heated rear window relay - J9 (53)
D8	Heated seat relay - J83 (404), up to 01.2003
D9	Brake light suppression relay - J508 (444)
E1	Solar cell isolation relay - J309 (79)
E2	Spare wheel release relay - J732 (404)
E3	Air conditioning system relay - J32 (53)
E4	Circulation pump relay - J160 (404)
E5	Start relevant consumers relay (432), only 5.0 l diesel engine
E6	Not assigned
E7	Headlight washer system relay - J39 (53)
E8	Residual heat relay - J708 (404), only models with 3.2 l or 4.2 l petrol engines
E9	Not assigned