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Volkswagen New Beetle (1998-2011) fuses and relays

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*The compact car Volkswagen New Beetle was produced from 1998 to 2011. In this article, you will find fuse box diagrams of **Volkswagen New Beetle 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 and 2011**, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout) and relay.*

Fuse Layout Volkswagen New Beetle 1998-2011



Cigar lighter (power outlet) fuses in the Volkswagen New Beetle are the fuses #27, #35 and #41 in the Instrument panel fuse box.

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Fuse box location

Fuses on the battery (*in the engine compartment*)



Relay panel

The panel is located underneath the steering wheel on the underside of the dash panel.



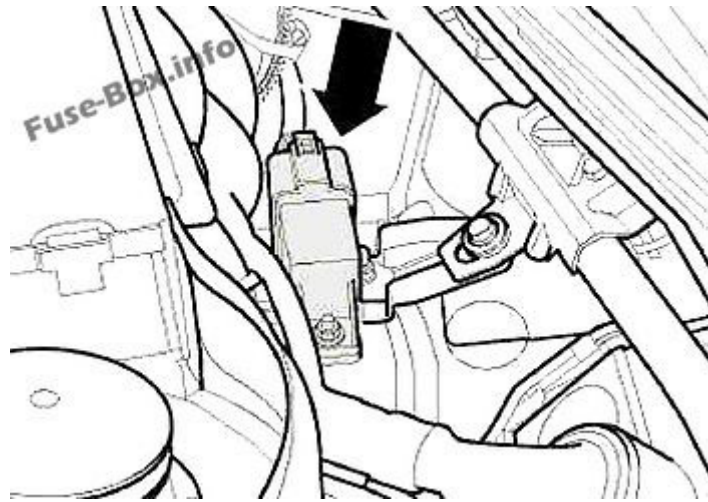
Fuses in the dash panel

The fuses are located on the left side of the dash panel behind a cover.



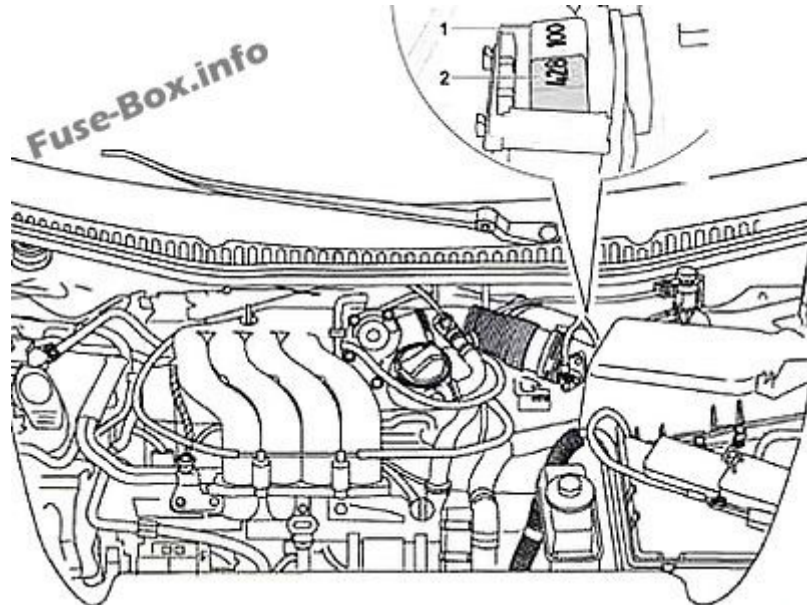
Automatic glow period control unit

It is located in the center of plenum chamber (engine code BEW only, from June 2003 up to December 2006 only).



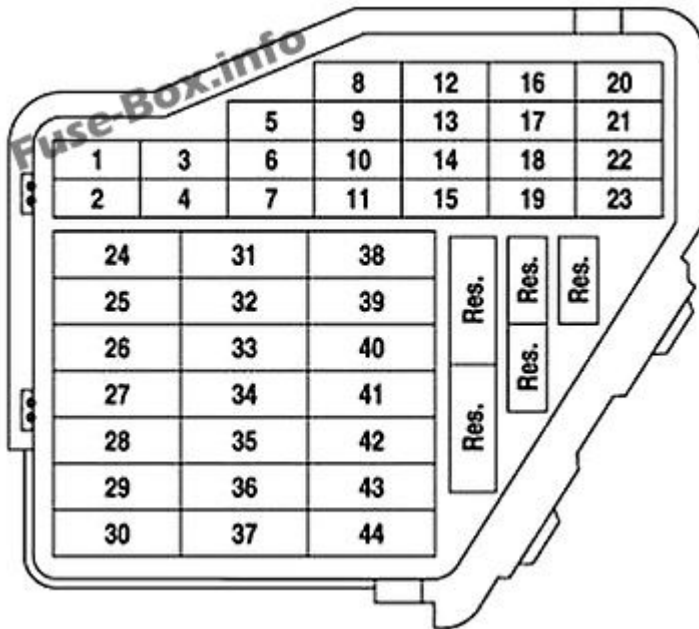
Additional relay carrier

Located in the protective housing on left in the engine compartment (from model year 2002 up to model year 2005)



Fuse box diagrams

Fuses in the dash panel



Fuse color	Amperage
Green	30A
White	25A
Yellow	20A
Blue	15A
Red	10A
Brown	7.5A
Beige	5A
Violet	3A

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Assignment of the fuses in the dash panel

No	A	Function/component
1	10	J99 - Heated exterior mirror relay (model year 2002 up to july 2005) J131 - Heated driver seat control unit (T6/5) J132 - Heated front passenger seat control unit (T6b/5) W6 - Glove compartment light Z20/ Z21 - Left/right washer jet heater element
2	10	J1 - Turn signal relay (T7/6) M5/ M7 - Front left/right turn signal bulb M6/ M8 - Rear left/right turn signal bulb
3	5	E1 - Lighting switch E20 - Switches and instruments illumination regulator J5 - Fog light relay (4/86)
4	5	X - number plate light
5	7,5	E45 - Cruise control system switch (from model July 2005) E159 - Fresh air/air recirculation flap switch (T8b/5) E184 - Fresh air and air recirculation switch (model year 2002 up to july 2005) E227 - Cruise control system (CCS) SET button (T4q/3), CCS only (model year

№	A	Function/component
		2002 up to july 2005) E231 - Exterior mirror heater button F36 - Clutch pedal switch (T4q/3) F47 - Brake pedal switch G65 - High-pressure sender (T3e/3) J89 - Daytime running lights change-over relay (8/86) J255 - Climatronic control unit (T16c/9) (model year 2002 up to july 2005) J293 - Radiator fan control unit (T14/9) J386 - Driver door control unit (T18d/3) T16 - 16-pin connector, self-diagnosis (T16/1T16/16) V48 - Left headlight range control motor (model year 2002 up to july 2005) V49 - Right headlight range control motor (model year 2002 up to july 2005) Y2 - Digital clock (from model July 2005) Y7 -Automatic anti-dazzle interior mirror (from model July 2005)
6	5	J393 - Convenience system central control unit (T23/5) Vacant (model year 2004)
7	10	F4 - Reversing light switch F125 - Multifunction switch (T10t/10) (from model July 2005) G22 - Speedometer sender J226 - Starter inhibitor and reversing light relay (T9/5) K142 - Selector lever position P/N warning lamp M16 / M17 - Left/right reversing light bulb T16 - 16-pin connector, self-diagnosis (T16/1)
8	-	Vacant J412 - Mobile telephone operating electronics control unit (T18d/10) (from model July 2009)
9	5	E256 - TCS and ESP button (T6/6) J104 - ABS control unit (T47a/4) G85 - Steering angle sender (T6k/5)
10	10	J285 - Control unit in dash panel insert (T32/30) J393 - Convenience system central control unit (T23/17), models with window regulator from 2003 only

No	A	Function/component
		R - Radio Y2 - Digital clock
11	5	J285 - Control unit in dash panel insert (T32/1) N110 - Selector lever lock solenoid
12	7,5	T16 - 16-pin connector, self-diagnosis (T16/16) J502 - Tyre pressure monitor control unit (T20b/3) (from model July 2005)
13	10	F - Brake light switch
14	10	J220 - Motronic control unit (T121/62) J271 - Motronic current supply relay J393 - Convenience system central control unit (T23/22), models with window regulator from model year 2003
15	5	G85 - Steering angle sender (T6p/4) for TCS/ESP J217 - Automatic gearbox control unit (T68/45) J285 - Control unit in dash panel insert (T32/23) Y2 - Digital clock (from model July 2005)
16	10	J293 - Radiator fan control unit (T14/4)
17	-	Vacant
18	10	J5 - Fog light relay J285 - Control unit in dash panel insert (T32/a17) J607 - Right dip and main beam switch relay (for gas discharge bulb) (model year 2002 up to July 2005) M32 - Right main beam bulb
19	10	J606 - Left dip and main beam switch relay (for gas discharge bulb) (model year 2002 up to July 2005) M30 - Left main beam bulb
20	15	J607 - Right dip and main beam switch relay (for gas discharge bulb) (model year 2002 up to July 2005) M31 - Right headlight dipped beam bulb

No	A	Function/component
21	15	J606 - Left dip and main beam switch relay (for gas discharge bulb) (model year 2002 up to July 2005) M29 - Left headlight dipped beam bulb
22	5	J285 - Control unit in dash panel insert (T32/26) M3 - Right side light bulb (from model July 2005) M22 - Right brake and tail light bulb M34 - Front right side marker bulb (from model July 2005) M36 - Front right turn signal and side marker bulb M38 - Rear right side marker bulb
23	5	J285 - Control unit in dash panel insert (T32/27) M1 - Left side light bulb (from model July 2005) M21 - Left brake and tail light bulb M33 - Front left side marker bulb (from model July 2005) M35 - Front left turn signal and side marker bulb M37 - Rear left side marker bulb
24	20	E22 - Intermittent wiper switch (T8c/8) J31 - Automatic intermittent wash and wipe relay (T18a/13), for headlight washer system only
25	25	E9 - Fresh air blower switch (T6d/2) J255 - Climatronic control unit (T16b/14) (model year 2002 up to July 2005) V2 - Fresh air blower, for Climatronic only (model year 2002 up to July 2005)
26	25	E15 - Heated rear window switch (T6b/5) Z1 - Heated rear window
27	15	U1 - Cigarette lighter, from model year 2007 J29 - Blocking diode, from model year 2007 U18 - 12 V socket -2- U19 - 12 V socket 3, in luggage compartment
28	15	G6 - Fuel system pressurisation pump J17 - Fuel pump relay (T9b/1) (from model July 2009)

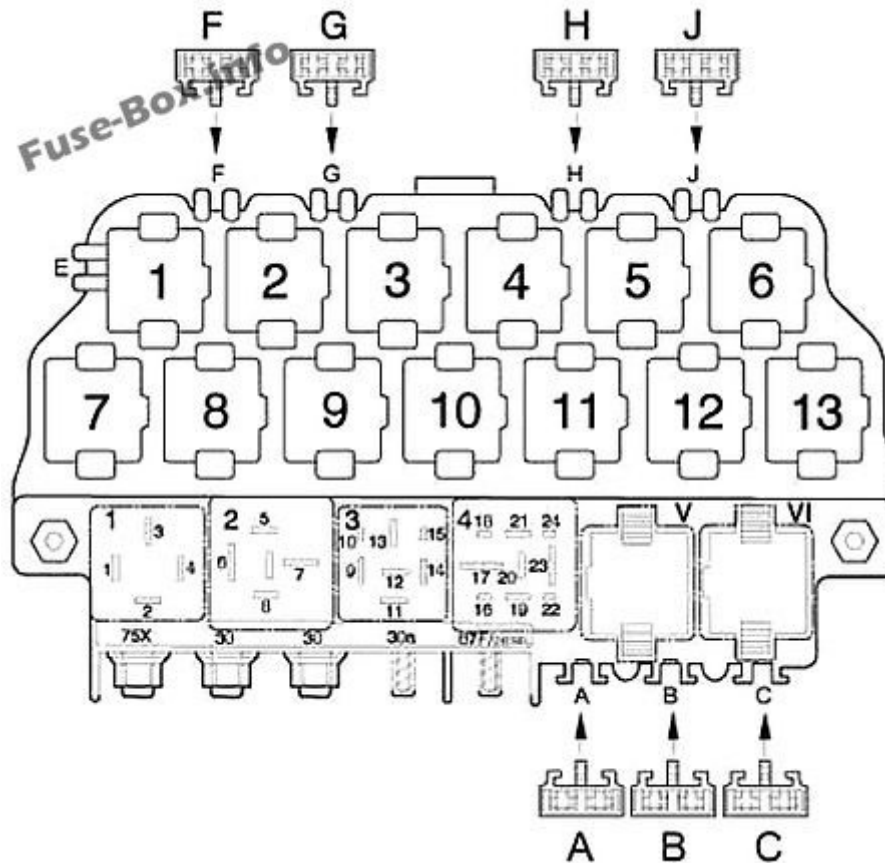
№	A	Function/component
29	15	<p>J220 - Motronic control unit (T121/3)</p> <p>J248 - Diesel direct injection system control unit (T121/37) (model year 2002 up to July 2005)</p> <p>N30/ N31/ N32/ N33/ N83 - Injector, cylinder (from model July 2005)</p> <p>J623 - Engine control unit (T80/4), engine code CBPA only (from model July 2005)</p> <p>G70 - Air mass meter, (T5d/2), engine code BEW only, from June 2003 up to December 2006</p> <p>J248 - Diesel direct injection system control unit, (T94/18), engine code BEW only, from June 2003 up to December 2006</p>
30	20	J245 - Sliding sunroof adjustment control unit (T61/4)
31	20	<p>F125 - Multifunction switch (T8a/7) (model year 2002 up to July 2005)</p> <p>J217 - Automatic gearbox control unit (T68/23)</p> <p>J539 - Brake servo control unit (T6k/3)</p>
32	30	<p>N30/ N31/ N32/ N33 - Injector, cylinders, engine code CBPA only</p> <p>N280 - Air conditioning system compressor regulating valve (from model July 2005)</p>
32	15	<p>J248 - Diesel direct injection system control unit (T121/2)</p> <p>N146 - Metering adjuster (model year 2002 up to July 2005)</p>
33	20	Vacant
34	10	<p>G40 - Hall sender, engine code BEW only, from June 2003 up to December 2006</p> <p>J52 - Glow plug relay (engine codes ALH and BEW only)</p> <p>J299 - Secondary air pump relay (T13/9) (from model July 2009)</p> <p>J370 - Glow plug activation control unit, (6/87), engine code BEW only, from June 2003 up to December 2006</p> <p>N18 - Exhaust gas recirculation valve (engine codes ALH and BEW only)</p> <p>N75 - Charge pressure control solenoid valve</p> <p>N79 - Heater element for crankcase breather (from model July 2009)</p> <p>N108 - Commencement of injection valve (engine codes ALH and BEW only)</p>

№	A	Function/component
		<p>N239 - Variable intake manifold flap change-over valve (engine codes ALH and BEW only)</p> <p>N205 - Inlet camshaft control valve 1 (engine codes ALH and BEW only)</p> <p>N249 - Turbocharger air recirculation valve (engine codes ALH and BEW only)</p> <p>N345 - Exhaust gas recirculation cooler change-over valve, engine code BEW only, from June 2003 up to December 2006</p> <p>S130 - Secondary air pump fuse (from model July 2009)</p> <p>V157 - Intake manifold flap motor, engine code BEW only, from June 2003 up to December 2006</p>
35	30	<p>U19 - 12 V socket 3, in luggage compartment</p> <p>U10 - Trailer socket (T13/9) (from model July 2009)</p>
36	15	E7 - Fog light switch (T17/2)
37	20	<p>J220 - Motronic control unit (T121/62)</p> <p>J248 - Diesel direct injection system control unit (T121/88), engine codes ALH and BEW</p> <p>J271 - Motronic current supply relay (1/30)</p> <p>J393 - Convenience system central control unit (T23/17), models with window regulator</p> <p>J623 - Engine control unit (T80/15), engine code CBPA only</p> <p>S283 - Brake vacuum pump fuse</p>
38	15	<p>E204 - Tank filler flap remote release switch</p> <p>E233 - Rear lid remote release button</p> <p>J386 - Driver door control unit (T29/19), models with window regulator</p> <p>J387 - Front passenger door control unit (T29a/19), models with window regulator</p> <p>J393 - Convenience system central control unit (T23/22) (from model July 2009)</p>
39	15	E3 - Hazard warning light switch (T8d/8)
40	20	<p>H1 - Horn or dual tone horn</p> <p>J4 - Dual tone horn relay (3/30)</p>

No	A	Function/component
41	15	U1 - Cigarette lighter U5 - 12 V socket U18 - 12 V socket -2-, from 07.03 U19 - 12 V socket 3, in luggage compartment (from 07.03) Vacant (from model July 2009)
42	25	R - Radio (T8/5, T8/7)
43	10	G39 - Lambda probe G70/G42 - Air mass meter/ Intake air temperature sender, engine codes BPS, BPR only G108 - Lambda probe 2 G130 - Lambda probe after catalytic converter G465 - Centre Lambda probe for bank 1 catalytic converter, engine code BPR only J299 - Secondary air pump relay (4/85) (model year 2002 up to july 2005) N80 - Activated charcoal filter system solenoid valve (model year 2002 up to july 2005) N112-Secondary air inlet valve (model year 2002 up to july 2005) V144 - Fuel system diagnostic pump
43	10	F36 - Clutch pedal switch F47-Brake pedal switch J359 - Low heat output relay J360 - High heat output relay N79-Heater element for crankcase breather
44	15	J131 - Heated driver seat control unit (T6/4) J132 - Heated front passenger seat control unit (T6b/4)

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Relay panel underside of the dashboard



Assignment of the fuses and relay on the underside of the dash panel

No	A	Function/component
A	30	Window regulator thermal fuse -S43-
B		Brake vacuum pump fuse -S283- (models with manual gearbox, model year 2003) Vacant (models with automatic gearbox, from model year 2004) (from model July 2005)
C	30 (models with 1.8 l engine, model year 2003 up to 2005) 10 (from model July 2005)	Rear spoiler motor fuse -S329- (models with 1.8L engine, model year 2003 up to 2005) Secondary air pump fuse -S130-
F	-	Vacant
G	-	Vacant

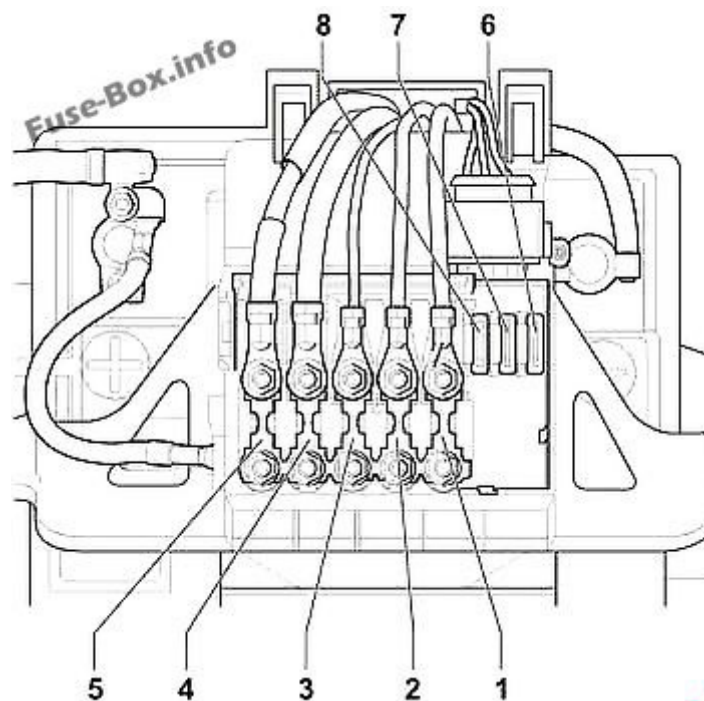
№	A	Function/component
H	15	Anti-theft alarm system fuse and immobilizer fuse -S111- (up to model year 2003) Telematics fuse -S338- (from model year 2004)
J	15 (up to model year 2003) 20 (models with automatic gearbox, from model year 2004) (for models with engine code BEW; with dual clutch gearbox DSG 02E; from model year 2004)	Anti-theft alarm system central locking fuse -S144- (up to model year 2003) Brake vacuum pump fuse -S283- (models with automatic gearbox, from model year 2004) Fuse for dual clutch gearbox mechatronic unit -S337- (for models with engine code BEW; with dual clutch gearbox DSG 02E; from model year 2004)
Relay on relay plate		
1		J4 - Dual tone horn relay (53)
2		J59 - X-contact relief relay (100)
3		Vacant
4		J17 - Fuel pump relay (409) J52 - Glow plug relay (103) (engine codes ALH, ATD, AXR, BSW only)
5		Automatic intermittent wash and wipe relay -J31- (377), (192), (389)
Relay on the additional relay		

№	A	Function/component
carrier above the relay plate		
1		Vacant
2		Vacant
3		Starter inhibitor relay, clutch pedal switch -J434- (53) (only manual gearbox)
4		Fog light relay -J5- (53)
5		Vacant
6		Vacant
7		Daytime running lights change-over relay -J89- (173) (daytime running lights only)
8		Heated exterior mirror relay -J99- (53) (American markets only; only models with mechanical window regulator)
9		Alarm horn relay -J641- (for telematics only)
10		Turn signals relay for anti-theft alarm -J237- (for telematics only) Radiator fan 3rd speed relay -J135- (100) (only 1.8 l-engine) Secondary air pump relay -J299- (100) (only petrol engines, from July 2005) Low heat output relay -J359- (100) (engine code BEW only, from June 2003 up to December 2006)
11		Starter inhibitor and reversing light relay -J226- (126) (only for automatic

№	A	Function/component
		gearbox 01M) Starter inhibitor relay -J207- (176) (from model year 2005; only for 6-speed automatic gearbox 09G, with Tiptronic)
12		Terminal 30 voltage supply relay - J317- (109) (for engine codes BPR, BPS only; models with diesel engines only)
13		High heat output relay -J360- (53) (engine code BEW only, from June 2003 up to December 2006)

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Fuses on the battery

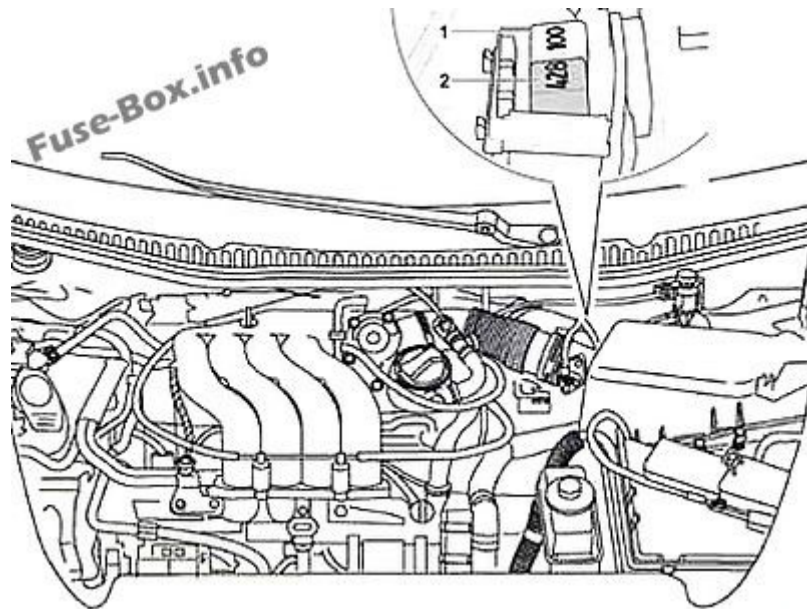


Assignment of the Fuses on the battery

No	A	Function/component
1	50	V101 - Secondary air pump motor (models with secondary air pump only) J359 - Low heat output relay (models with diesel engines, manual gearbox only) J360 - High heat output relay (models with diesel engines, manual gearbox only)
2	50	J17 - Fuel pump relay (17/30) J370 - Glow plug activation control unit (diesel engines only)
3	40	J293 - Radiator fan control unit (T4e/1) V7 - Radiator fan
4	110	J59 - X - contact relief relay (7/30)
5	110 150	C - Alternator (90A) C - Alternator (120A)
6	30	J104 - ABS control unit (T47a/1)
7	30	J104 - ABS control unit (T47a/32)
8	30	F18 - Radiator fan thermal switch J293 - Radiator fan control unit (T4e/3)

Additional relay carrier

Located in the protective housing on left in the engine compartment (from model year 2002 up to model year 2005).



No	Function/component
1	Secondary air pump relay -J299- (100A) (petrol engines) High heat output relay -J360- (100A) (diesel engines)
2	Motronic current supply relay -J271- (458) (petrol engines) Low heat output relay -J359- (53) (diesel engines)

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