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Current flow diagrams

Engine code: **CAAC**

Model year: **2012**

Model description: **TRANSPORTER KombiKR103 SG6**

Gearbox code: **KUP**

Final drive code:

Service advisor name:

Transporter

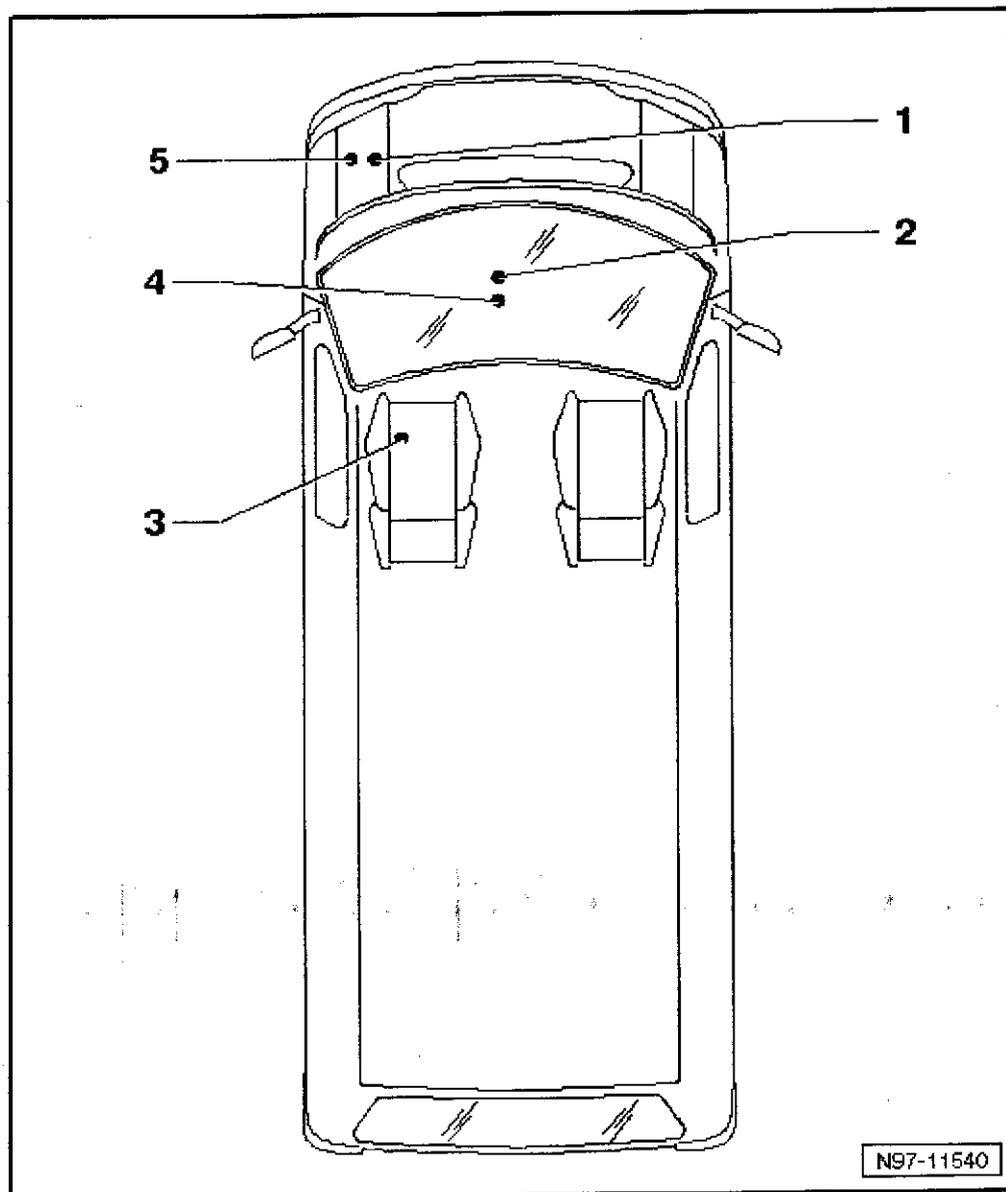
Fitting Locations

No. 803 / 1

Edition 04.2011

-Fitting Locations: Fuses

Overview of fuse carrier



1 - Fuse holder A -SA- , in left engine compartment

- Location: → Chapter

- Fuse location for fuse -SA- : → chapter

2 - Fuse holder B -SB- , in centre dash panel

- Location: → Chapter

- Fuse location for fuse -SB- : → chapter

- Fuse holder C -SC- , in centre dash panel

- Location: → Chapter

- Fuse location for fuse -SC- : → chapter

3 - Fuse holder F -SF- , under left seat box

- Location: → Chapter

- Fuse location for fuse -SF1- up to -SF39- on fuse holder F -SF- : → chapter

- Fuse location for fuse -S131- up to -S133- on fuse holder F -SF- : → chapter

- Coupling station on left of seat box (10-pin)

- Location: → Chapter

- Fuse location for fuse -SF50- : → chapter

- Fuse holder for special vehicles, under left seat box

- Location: → Chapter

- Fuse location for fuse -S291- up to -S305- (UF4/UF5): → Chapter

- Fuse location for fuse -S306- up to -S318- (UF7): → Chapter

4 - Relay carrier cockpit (8-pin), in centre dash panel

- Location: → Chapter

- Fuse location for fuse -SF51- up to -SF55- on relay carrier (1) cockpit (8-pin): → Chapter

- Fuse location for fuse -SF56- on relay carrier (2) cockpit (8-pin): → Chapter

5 - Fuse holder D -SD- , in left engine compartment

- Location: → Chapter

- Fuse location for fuse -SD- from August 2009: → Chapter

- Fuse location for fuse -SD- from May 2011: → Chapter

- Relay carrier electronics box, in left engine compartment

- Location, from August 2009: → Chapter

- Position of fuses on relay carrier electronics box, from August 2009: → Chapter

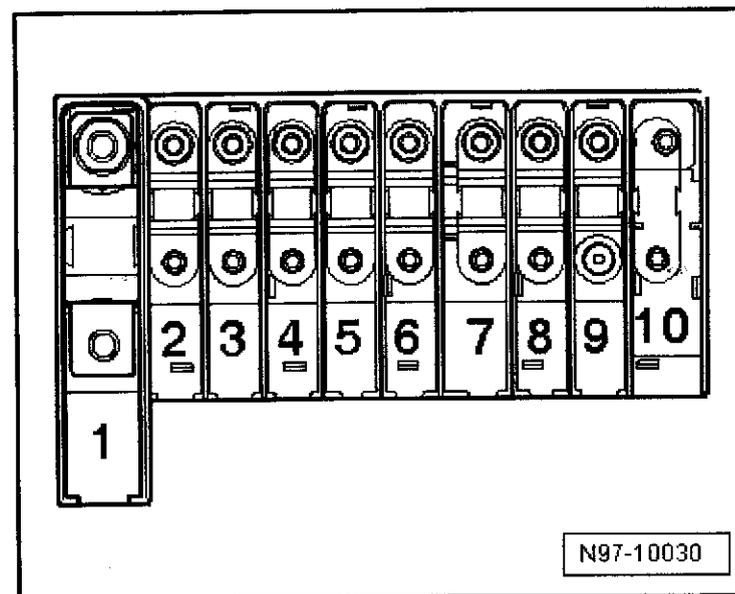
- Position of fuses on relay carrier electronics box, from June 2010: → Chapter

- Location, from November 2010: → Chapter
- Position of fuses on relay carrier electronics box, from November 2010: → Chapter

Fuse holder A -SA-

Location:

- ◆ In electronics box, in left engine compartment
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Fuse location for fuse -SA- :

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder A -SA1-	175 A or 225 A	- Alternator -C-	30
2	- Fuse 2 on fuse holder A -SA2-	125 A	- X-contact relief relay -J59- - B298 Positive connection 2 (30), in main wiring harness - B301 Positive connection 5 (30), in main wiring harness - B302 Positive connection 6 (30), in main wiring harness - B303 Positive connection 7 (30), in main wiring harness - B304 Positive connection 8 (30), in main wiring harness	30

3	- Fuse 3 on fuse holder A -SA3-	50 A 100 A	- B305 Positive connection 9 (30), in main wiring harness - Fuse 9 on fuse holder B -SB9- - Fuse 14 on fuse holder B -SB14-	30
			- Battery isolation relay -J7- - Second battery charging circuit relay -J713- - B310 Positive connection 14 (30), in main wiring harness - B311 Positive connection 15 (30), in main wiring harness	
4	- Fuse 4 on fuse holder A -SA4-	70 A	- D50 Positive connection (30), in engine compartment wiring harness	30
5	- Fuse 5 on fuse holder A -SA5-	50 A	- ABS control unit fuse 1 -S123- - Fuse 6 on fuse holder D -SD6-	30
6	- Fuse 6 on fuse holder A -SA6-	60 A	- Automatic glow period control unit -J179-	30
		50 A	- Secondary air pump relay -J299-	
7	- Fuse 7 on fuse holder A -SA7-	100 A	- Radiator fan control unit -J293-	30
8	- Fuse 8 on fuse holder A -SA8-	40 A	- B169 Positive connection 1 (30), in interior wiring harness	30
		50 A 100 A	- B170 Positive connection 2 (30), in interior wiring harness - Fuse 9 on fuse holder F -SF9- - Fuse 14 on fuse holder F -SF14- - Fuse 22 on fuse holder F -SF22- - Fuse 23 on fuse holder F -SF23- - Fuse 24 on fuse holder F -SF24-	
9	- Fuse 9 on fuse holder A -SA9-	100 A	- B272 Positive connection (30), in main wiring harness - B299 Positive connection 3 (30), in main wiring harness	30

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Fuse holder D -SD-

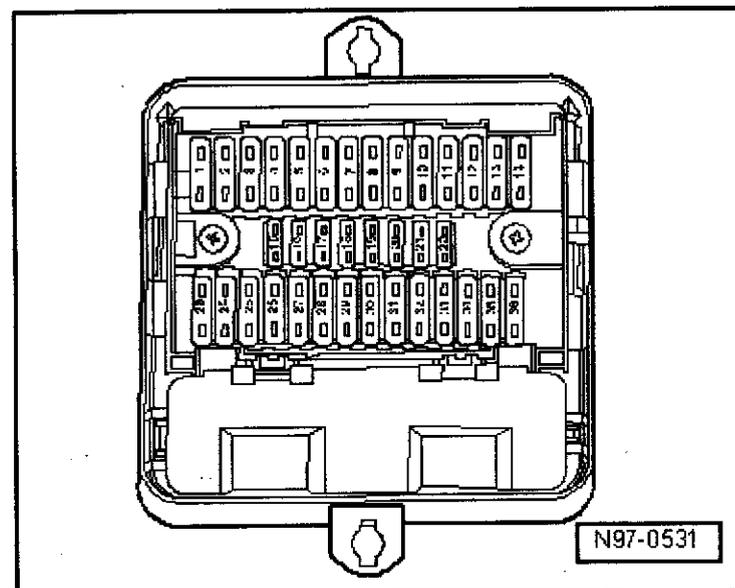
Location:

- ◆ In electronics box in engine compartment

Fuse colours

- 40 A - blue
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige

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**Fuse locations on fuse holder D -SD- from August 2009**

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder D -SD1-	5 A	- Radiator fan control unit -J293-	87
2	- Fuse 2 on fuse holder D -SD2-	5 A	- Additional coolant pump relay -J496- - ◆ Residual heat relay -J708- - ◆ Circulation pump -V55-	30
3	- Fuse 3 on fuse holder D -SD3-	5 A	- Heater element for crankcase breather -N79-	15
4	- Fuse 4 on fuse holder D -SD4-		- Vacant	
5	- Fuse 5 on fuse holder D -SD5-	15 A	- Mechatronic unit for dual clutch gearbox -J743- - Selector lever lock solenoid -N110- - Selector lever -E313-	30
6	- Fuse 6 on fuse holder D -SD6-	30 A	- ABS control unit -J104-	30

7	- Fuse 7 on fuse holder D -SD7-	-	- Vacant ⁵⁾	-
		7,5 A	- Washer pump -V5- ⁶⁾ - Windscreen and rear window washer pump -V59- ⁶⁾	53c
8	- Fuse 8 on fuse holder D -SD8-		- Vacant	
9	- Fuse 9 on fuse holder D -SD9-	5 A	- Engine control unit -J623-	30
10	- Fuse 10 on fuse holder D -SD10-	5 A	- Secondary air pump relay -J299- ²⁾ - Activated charcoal filter system solenoid valve 1 -N80- ²⁾	87
		15 A	- Charge pressure control solenoid valve -N75- ^{1) , 3)} - Exhaust flap valve -N220- ³⁾ - Exhaust gas recirculation cooler change-over valve -N345- ^{1) , 3)}	
11	- Fuse 11 on fuse holder D -SD11-	30 A	- Headlight dipper/flasher switch -E4- - Headlight main beam relay -J12-	30
12	- Fuse 12 on fuse holder D -SD12-	10 A	- Fuel pressure regulating valve -N276- ^{1) , 3)} - Fuel metering valve -N290- ^{1) , 3)}	87
13	- Fuse 13 on fuse holder D -SD13-	10 A	- Left gas discharge light control unit -J343-	15
14	- Fuse 14 on fuse holder D -SD14-	5 A	- Fuel pump relay -J17- ^{1) , 2) , 3)} - Electric fuel pump 2 relay -J49- ^{1) , 3)}	15 ²⁾ 87 ^{1) , 3)}
15	- Fuse 15 on fuse holder D -SD15-	10 A	- Reversing light switch -F4-	15
16	- Fuse 16 on fuse holder D -SD16-	5 A	- Brake light switch -F- - Air mass meter -G70- ²⁾	15
17	- Fuse 17 on fuse holder D -SD17-	5 A	- TCS and ESP button -E256- - Tyre pressure monitor display button -E492- - ABS control unit -J104-	15
18	- Fuse 18 on fuse holder D -SD18-	5 A	- Power steering control unit -J500-	15
19	- Fuse 19 on fuse holder D -SD19-	5 A	- Clutch pedal switch -F36- - Clutch position sender -G476- - Air mass meter -G70- ^{1) , 3)}	15 ²⁾ 87 ^{1) , 3)}
20	- Fuse 20 on fuse holder D -SD20-	5 A	- Engine control unit -J623-	15
21	- Fuse 21 on fuse holder D -SD21-	5 A	- Exhaust gas recirculation valve -N18- ²⁾	87

22	- Fuse 22 on fuse holder D -SD22-	10 A	- Injector, cylinder 1 -N30- ²⁾ - Injector, cylinder 2 -N31- ²⁾ - Injector, cylinder 3 -N32- ²⁾ - Injector, cylinder 4 -N33- ²⁾	87
23	- Fuse 23 on fuse holder D -SD23-	10 A	- Right gas discharge light control unit -J344-	15
24	- Fuse 24 on fuse holder D -SD24-	5 A	- Mechatronic unit for dual clutch gearbox -J743- - Selector lever -E313-	15
25	- Fuse 25 on fuse holder D -SD25-	30 A	- Engine control unit -J623- ²⁾ - Ignition transformer -N152- ²⁾	87
26	- Fuse 26 on fuse holder D -SD26-	5 A	- Front left headlight -MX1-	30
27	- Fuse 27 on fuse holder D -SD27-	10 A	- Continued coolant circulation pump -V51- ^{1), 3)}	87
28	- Fuse 28 on fuse holder D -SD28-	15 A	- Treble tone horn -H2- ⁴⁾	30
29	- Fuse 29 on fuse holder D -SD29-	5 A	- Front right headlight -MX2-	30
30	- Fuse 30 on fuse holder D -SD30-	20 A	- Fuel pump relay -J17- ^{1), 3)} - ♦ Fuel system pressurisation pump -G6- ^{1), 3)} - Electric fuel pump 2 relay -J49- ^{1), 3)} - ♦ Supplementary fuel pump -V393- ^{1), 3)}	30
			- Fuel system pressurisation pump -G6- ²⁾	87
31	- Fuse 31 on fuse holder D -SD31-	15 A	- Lambda probe heater -Z19- - Lambda probe 1 heater after catalytic converter -Z29- ²⁾	87
32	- Fuse 32 on fuse holder D -SD32-	5 A	- Electric fuel pump 2 relay -J49- ²⁾	30
		30 A	- Engine control unit -J623- ^{1), 3)}	87
33	- Fuse 33 on fuse holder D -SD33-	5 A	- Automatic glow period control unit -J179- ^{1), 3)} - Additional coolant pump relay -J496-	87
34	- Fuse 34 on fuse holder D -SD34-	5 A	- Onboard supply control unit -J519- (T73b/59)	30
35	- Fuse 35 on fuse holder D -SD35-		- Vacant	
36	- Fuse 36 on fuse holder D -SD36-	30 A	- Starter -B- - Starter inhibitor relay -J207-	30

**Note**

- ♦ ¹⁾ for engine codes CAAA, CAAB, CAAC, CAAD, CAAE, CCHA, CCHB only
 - ♦ ²⁾ for engine code AXA only
 - ♦ ³⁾ for engine code CFCA only
 - ♦ ⁴⁾ for models with taxi equipment only
 - ♦ ⁵⁾ applicable up to May 2010
 - ♦ ⁶⁾ applicable from June 2010
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Fuse locations on fuse holder D -SD- from May 2011

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder D -SD1-	5 A	- Radiator fan control unit -J293-	87
2	- Fuse 2 on fuse holder D -SD2-	5 A	- Additional coolant pump relay -J496- - ♦ Residual heat relay -J708- - ♦ Circulation pump -V55-	30
3	- Fuse 3 on fuse holder D -SD3-	5 A	- Heater element for crankcase breather -N79-	15
4	- Fuse 4 on fuse holder D -SD4-	30 A	- Voltage stabiliser -J532- ⁷⁾ - ♦ Control unit with display for radio and navigation system -J503- ⁷⁾ - ♦ Radio -R- ⁷⁾ - ♦ Fuse 18 on fuse holder B -SB18- ⁷⁾ - ♦ Fuse 15 on fuse holder C -SC15- ⁷⁾ - ♦ Fuse 16 on fuse holder C -SC16- ⁷⁾	30
5	- Fuse 5 on fuse holder D -SD5-	15 A	- Mechatronic unit for dual clutch gearbox -J743- - Selector lever lock solenoid -N110- - Selector lever -E313-	30
6	- Fuse 6 on fuse holder D -SD6-	30 A	- ABS control unit -J104-	30

7	- Fuse 7 on fuse holder D -SD7-	7,5 A	- Washer pump -V5- - Windscreen and rear window washer pump -V59-	53c
8	- Fuse 8 on fuse holder D -SD8-		- Vacant	
9	- Fuse 9 on fuse holder D -SD9-	5 A	- Engine control unit -J623-	30
10	- Fuse 10 on fuse holder D -SD10-	5 A	- Secondary air pump relay -J299- ²⁾ - Activated charcoal filter system solenoid valve 1 -N80- ²⁾	87
		15 A	- Charge pressure control solenoid valve -N75- ^{1) , 3)} - Exhaust flap valve -N220- ³⁾ - Exhaust gas recirculation cooler change-over valve -N345- ^{1) , 3)}	
		10 A	- Charge pressure control solenoid valve -N75- ⁵⁾ - Activated charcoal filter system solenoid valve 1 -N80- ⁵⁾ - Inlet camshaft control valve 1 -N205- ⁵⁾ - Turbocharger air recirculation valve -N249- ⁵⁾ - Intake manifold flap valve -N316- ⁵⁾	
11	- Fuse 11 on fuse holder D -SD11-	30 A	- Headlight dipper/flasher switch -E4- - Headlight main beam relay -J12-	30
12	- Fuse 12 on fuse holder D -SD12-	10 A	- Fuel pressure regulating valve -N276- ^{1) , 3)} - Fuel metering valve -N290- ^{1) , 3)}	87
13	- Fuse 13 on fuse holder D -SD13-		- Vacant	
14	- Fuse 14 on fuse holder D -SD14-	5 A	- Fuel pump relay -J17- ^{1) , 2) , 3)} - Electric fuel pump 2 relay -J49- ^{1) , 3)}	15 ²⁾ 87 ^{1) , 3)}
15	- Fuse 15 on fuse holder D -SD15-	10 A	- Reversing light switch -F4-	15
16	- Fuse 16 on fuse holder D -SD16-	5 A	- Brake light switch -F- - Air mass meter -G70- ²⁾	87
17	- Fuse 17 on fuse holder D -SD17-	5 A	- TCS and ESP button -E256- - Tyre pressure monitor display button -E492- - ABS control unit -J104-	15
18	- Fuse 18 on fuse holder D -SD18-	5 A	- Power steering control unit -J500-	15
19	- Fuse 19 on fuse holder D -SD19-	5 A	- Clutch pedal switch -F36- - Clutch position sender -G476- - Air mass meter -G70- ^{1) , 3)}	87

20	- Fuse 20 on fuse holder D -SD20-	5 A	- Engine control unit -J623- - Air mass meter -G70- ⁵⁾	15
21	- Fuse 21 on fuse holder D -SD21-	5 A	- Exhaust gas recirculation valve -N18- ²⁾	87
22	- Fuse 22 on fuse holder D -SD22-	10 A	- Injector, cylinder 1 -N30- ²⁾ - Injector, cylinder 2 -N31- ²⁾ - Injector, cylinder 3 -N32- ²⁾ - Injector, cylinder 4 -N33- ²⁾	87
23	- Fuse 23 on fuse holder D -SD23-		- Vacant	
24	- Fuse 24 on fuse holder D -SD24-	5 A	- Mechatronic unit for dual clutch gearbox -J743- - Selector lever -E313-	15
25	- Fuse 25 on fuse holder D -SD25-	30 A	- Engine control unit -J623- ²⁾ - Ignition transformer -N152- ²⁾	87
		20 A	- Actuator 1 for camshaft adjustment -F366- ⁵⁾ up to - Actuator 8 for camshaft adjustment -F373- ⁵⁾	87
26	- Fuse 26 on fuse holder D -SD26-		- Vacant	
27	- Fuse 27 on fuse holder D -SD27-	10 A	- Continued coolant circulation pump -V51- ¹⁾ , ³⁾	87
28	- Fuse 28 on fuse holder D -SD28-	15 A	- Treble tone horn -H2- ⁴⁾	30
29	- Fuse 29 on fuse holder D -SD29-		- Vacant	
30	- Fuse 30 on fuse holder D -SD30-	20 A	- Fuel pump relay -J17- ¹⁾ , ³⁾ - ♦ Fuel system pressurisation pump -G6- ¹⁾ , ³⁾ - Electric fuel pump 2 relay -J49- ¹⁾ , ³⁾ - ♦ Supplementary fuel pump -V393- ¹⁾ , ³⁾	30
			- Fuel system pressurisation pump -G6- ²⁾ - Fuel pump control unit -J538- ⁵⁾ - ♦ Fuel system pressurisation pump -G6- ⁵⁾	87
31	- Fuse 31 on fuse holder D -SD31-	15 A	- Lambda probe heater -Z19- - Lambda probe 1 heater after catalytic converter -Z29- ²⁾ , ⁵⁾	87
32	- Fuse 32 on fuse holder D -SD32-	5 A	- Electric fuel pump 2 relay -J49- ²⁾	30

		30 A	- Engine control unit -J623- ^{1) . 3)}	87
		30 A	- Engine control unit -J623- ⁵⁾ - Ignition coil 1 with output stage -N70- ⁵⁾ - Ignition coil 2 with output stage -N127- ⁵⁾ - Ignition coil 3 with output stage -N291- ⁵⁾ - Ignition coil 4 with output stage -N292- ⁵⁾	30
33	- Fuse 33 on fuse holder D -SD33-	5 A	- Automatic glow period control unit -J179- ^{1) . 3)} - Fuel shut-off valve switch-off relay -J335- ⁵⁾ - Additional coolant pump relay -J496- - Coolant pump relay -J235- ⁵⁾ ♦ Continued coolant circulation pump -V51- ⁵⁾	87
34	- Fuse 34 on fuse holder D -SD34-	5 A	- Onboard supply control unit -J519- (T73b/59)	30
35	- Fuse 35 on fuse holder D -SD35-	15 A	- Fuel shut-off valve switch-off relay -J335- ⁵⁾ ♦ Fuel pressure regulating valve -N276- ⁵⁾	87
		5 A	- Battery monitor control unit -J367- ⁷⁾	30
36	- Fuse 36 on fuse holder D -SD36-	30 A	- Starter -B- ⁶⁾ - Starter inhibitor relay -J207- ⁶⁾	30
		5 A	- Data bus diagnostic interface -J533- ⁷⁾	30

 **Note**

- ♦ ¹⁾ for engine codes CAAA, CAAB, CAAC, CAAD, CAAE, CCHA, CCHB only
- ♦ ²⁾ for engine code AXA only
- ♦ ³⁾ for engine code CFCA only
- ♦ ⁴⁾ for models with taxi equipment only
- ♦ ⁵⁾ for engine code CJK A only
- ♦ ⁶⁾ only models without stop/start system
- ♦ ⁷⁾ only models with stop/start system

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Fuse holder B -SB-

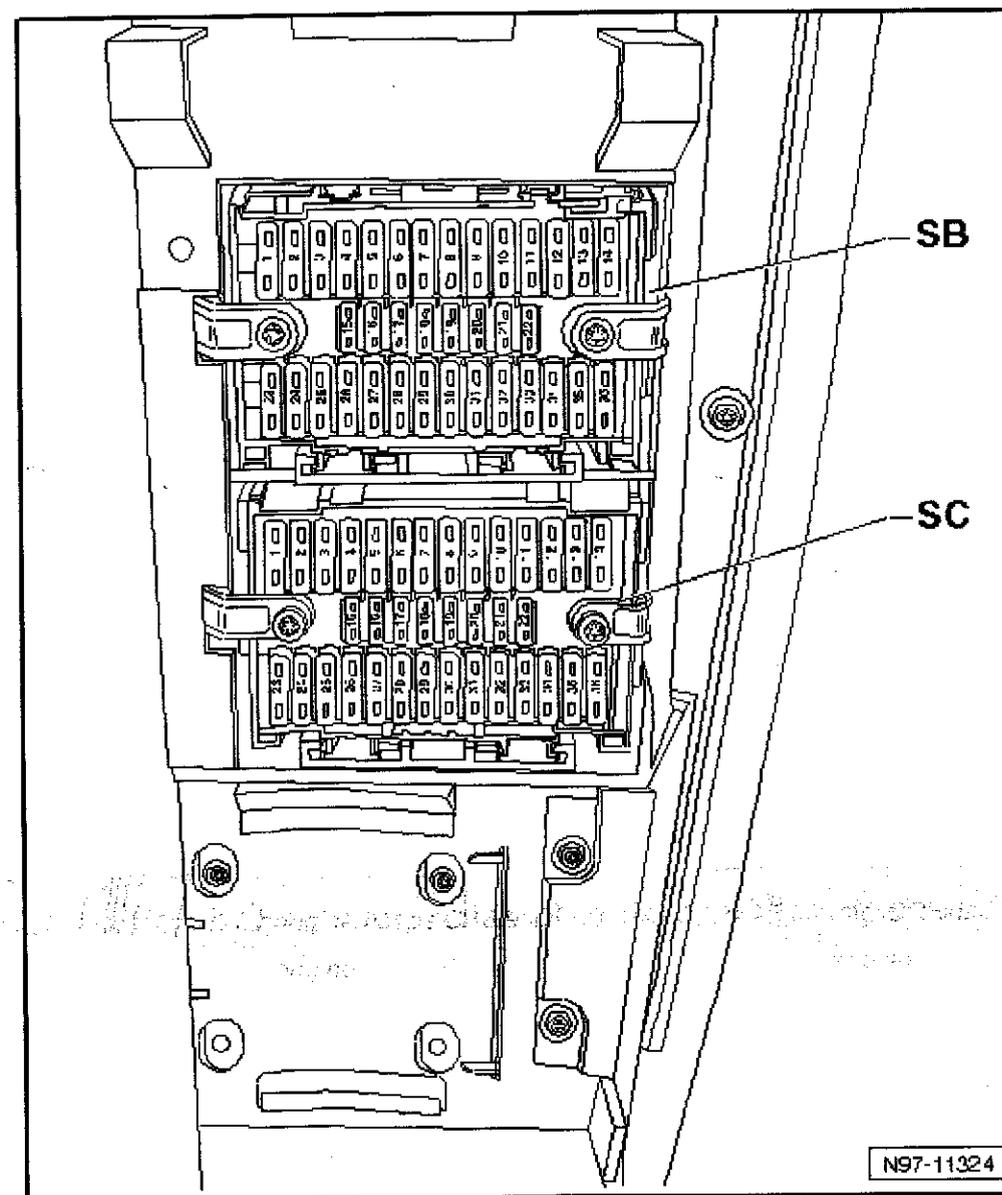
Location:

- ◆ In the upper fuse box on centre of dash panel

Fuse colours

- 40 A - blue
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige

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Fuse location for fuse -SB- :

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder B -SB1-	30 A	- Terminal 15 voltage supply relay -J329-	30
2	- Fuse 2 on fuse holder B -SB2-	5 A	- Steering angle sender -G85-	30
3	- Fuse 3 on fuse holder B -SB3-	10 A	- Onboard supply control unit -J519- (T73b/39)	30
4	- Fuse 4 on fuse holder B -SB4-	5 A	- Lane change assist control unit 2 -J770- - Lane change assist control unit -J769-	15
5	- Fuse 5 on fuse holder B -SB5-	15 A	- Front left headlight -MX1-	56b
6	- Fuse 6 on fuse holder B -SB6-	15 A	- Front left headlight -MX1-	56a
7	- Fuse 7 on fuse holder B -SB7-	15 A	- Onboard supply control unit -J519- (T73a/66) ¹⁾	30
8	- Fuse 8 on fuse holder B -SB8-	15 A	- Rear lid control unit -J605-	30
		20 A	- Alarm horn -H12- - Onboard supply control unit -J519- (T73a/16) - Left sliding door control unit -J558- - Rear lid control unit -J605- - Right sliding door control unit -J731-	30
9	- Fuse 9 on fuse holder B -SB9-	30A	- Onboard supply control unit -J519- (T73b/67)	30
10	- Fuse 10 on fuse holder B -SB10-	10 A	- Intermittent wiper switch -E22- - Rear wiper switch -E34- - Intermittent wiper regulator -E38- - Washer pump switch (automatic wash/wipe and headlight washer system) -E44-	15
11	- Fuse 11 on fuse holder B -SB11-	5 A	- Number plate light -X-	58
12	- Fuse 12 on fuse holder B -SB12-	5 A	- Light switch -E1- (T10bb/8)	30
		30 A	- Light switch -E1- (T17/15)	
13	- Fuse 13 on fuse holder B -SB13-	10 A	- Airbag control unit -J234- - Front passenger side airbag deactivated warning lamp -K145-	15
14	- Fuse 14 on fuse holder B -SB14-	25 A	- Headlight dipper/flasher switch -E4-	30
15	- Fuse 15 on fuse holder B -SB15-	7,5 A	- Fresh air blower switch -E9- - Rear fresh air blower switch -E179- - Fresh air blower isolation relay -J487-	75X

16	- Fuse 16 on fuse holder B -SB16-	5 A	- Onboard supply control unit -J519- (T73a/44)	15
17	- Fuse 17 on fuse holder B -SB17-	5 A	- Rear fog light cut-out contact switch -F216- - Control unit in dash panel insert -J285- (T32/16) - Rear left fog light bulb -L46-	RFL
18	- Fuse 18 on fuse holder B -SB18-	5 A	- Control unit in dash panel insert -J285-	30
19	- Fuse 19 on fuse holder B -SB19-	5 A	--- Operating and display unit for camping equipment -E153- Onboard supply control unit -J519- 10-pin connector -T10bh/6- ²⁾	86s
20	- Fuse 20 on fuse holder B -SB20-	5 A	- Diagnostic connection -U31- (T16/16) - Differential lock control unit -J187- ⁴⁾	30
21	- Fuse 21 on fuse holder B -SB21-	5 A	- Starter motor relay -J53- - Engine control unit -J623- - 10-pin connector -T10bj- (T10bj/4) ²⁾ - 10-pin connector -T10bj- (T10bj/8) ²⁾	50
22	- Fuse 22 on fuse holder B -SB22-	7,5 A	- Light switch -E1- (T10bb/4) - Control unit in dash panel insert -J285- (T32/31) - Trailer detector control unit -J345- - Diagnostic connection -U31- (T16/1)	15
23	- Fuse 23 on fuse holder B -SB23-	5 A	- Starter inhibitor relay -J207- ²⁾ - Onboard supply control unit -J519- (T73a/55) ²⁾ - Engine control unit -J623- ²⁾ - 10-pin connector -T10bj- (T10bj/4) ²⁾ - 10-pin connector -T10bj- (T10bj/8) ²⁾	50
		30 A	- Starter -B- - Starter inhibitor relay -J207- - Engine control unit -J623-	50
		30 A	- Starter inhibitor relay -J433- - Starter inhibitor relay, clutch pedal switch -J434-	15
24	- Fuse 24 on fuse holder B -SB24-	5 A	- Steering angle sender -G85-	15
25	- Fuse 25 on fuse holder B -SB25-	7,5 A	- Fresh air blower switch -E9- - Front blower Bitron regulation sender -G462- - Climatronic control unit -J255- - Air conditioning system control unit -J301-	30

26	- Fuse 26 on fuse holder B -SB26-	30 A	- Light switch -E1-	75X
27	- Fuse 27 on fuse holder B -SB27-	15 A	- Front right headlight -MX2-	56b
28	- Fuse 28 on fuse holder B -SB28-	15 A	- Front right headlight -MX2- - Control unit in dash panel insert -J285- (T32/14)	56a
29	- Fuse 29 on fuse holder B -SB29-	10 A	- Dual signal inverter relay -J741- ³⁾	30
30	- Fuse 30 on fuse holder B -SB30-	10 A	- Left washer jet heater element -Z20- - Right washer jet heater element -Z21- - Rear window wiper motor -V12- - Rear right wing door window wiper motor -V93- - Rear left wing door window wiper motor -V92-	75X
31	- Fuse 31 on fuse holder B -SB31-	30 A	- Onboard supply control unit -J519- (T73b/73)	30
32	- Fuse 32 on fuse holder B -SB32-	30 A	- Onboard supply control unit -J519- (T73a/68)	30
33	- Fuse 33 on fuse holder B -SB33-	30 A	- Radio -R- - Control unit with display for radio and navigation system -J503-	30
34	- Fuse 34 on fuse holder B -SB34-	25 A	- Fuse 14 on fuse holder D -SD14- - Fuse 17 on fuse holder D -SD17- - Fuse 20 on fuse holder D -SD20- - Fuse 24 on fuse holder D -SD24-	15
35	- Fuse 35 on fuse holder B -SB35-	5 A	- B270 Connection (58s), in roof wiring harness - B340 Connection 1 (58d), in main wiring harness - B341 Connection 2 (58d), in main wiring harness - B342 Connection 3 (58d), in main wiring harness - R51 Connection (58b), in driver side door wiring harness	58 or 58d
36	- Fuse 36 on fuse holder B -SB36-	25 A	- Onboard supply control unit -J519- (T73a/13)	30

**Note**

- ♦ ¹⁾ see interior light Current Flow Diagram
- ♦ ²⁾ only models with electric interface, for external use
- ♦ ³⁾ applicable up to October 2009
- ♦ ⁴⁾ applicable from May 2011

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Fuse holder C -SC-

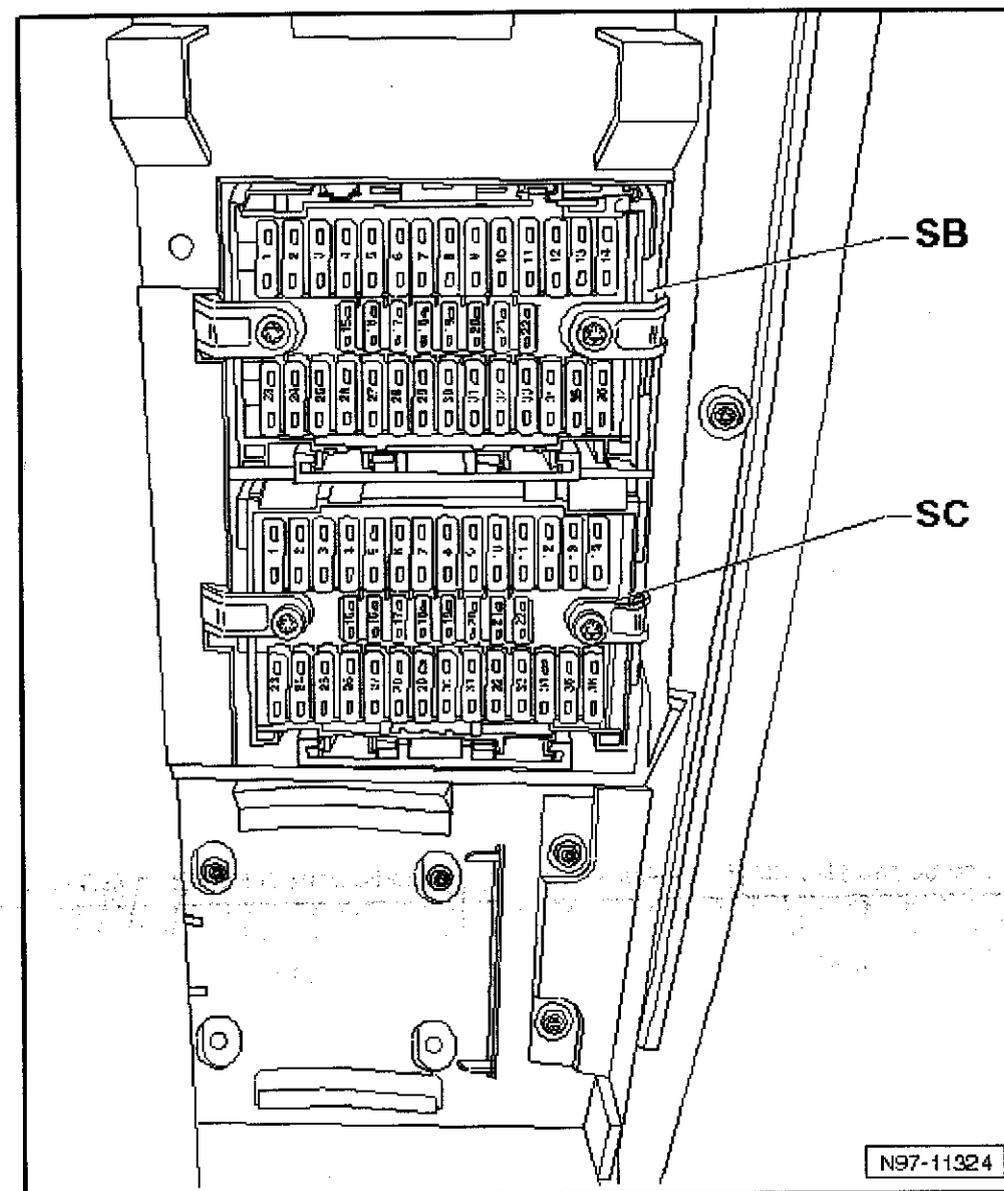
Location:

- ◆ In the lower fuse box on centre of dash panel

Fuse colours

- 40 A - blue
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige

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Fuse location for fuse -SC- :

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	- Fuse 1 on fuse holder C -SC1-	15 A	- 10-pin connector -T10bh/1- ²⁾	75X
2	- Fuse 2 on fuse holder C -SC2-	5 A	- Interior monitor send and receive module 1 -G303- - Interior monitor send and receive module 2 -G305-	30
3	- Fuse 3 on fuse holder C -SC3-	10 A	- Red Cross light switch -E10- - Red Cross light warning lamp -K100-	30
		15 A	- Taxi meter -G41- - Taxi alarm remote control, control unit -J601-	15
4	- Fuse 4 on fuse holder C -SC4-	10 A	- Rear differential lock switch -E121- - Rear differential lock vacuum switch -F363- - Differential lock control unit -J187- - Four-wheel drive control unit -J492-	15
5	- Fuse 5 on fuse holder C -SC5-	10A	- 6-pin connector -T6bn/5-	75X
6	- Fuse 6 on fuse holder C -SC6-	5 A	- Oil level and oil temperature sender -G266-	15
7	- Fuse 7 on fuse holder C -SC7-	10 A	- Rotating light switch -E162-	30
		30 A	- Alarm system control unit -J85-	
8	- Fuse 8 on fuse holder C -SC8-	5 A	- Parking aid control unit -J446-	15
9	- Fuse 9 on fuse holder C -SC9-	5 A	- Cruise control system switch -E45-	15
10	- Fuse 10 on fuse holder C -SC10-	10 A	- Switches and instruments illumination regulator -E20- - Headlight range control, control unit -J431- - Left headlight range control motor -V48- - Right headlight range control motor -V49-	15
11	- Fuse 11 on fuse holder C -SC11-	15 A	- Taxi meter -G41- - Taxi alarm system 2 control unit -J430- - Alarm system relay 1 -J460- - Taxi alarm remote control, control unit -J601- - Two-way radio -R8-	30
12	- Fuse 12 on fuse holder C -SC12-	5 A	- Front left headlight -MX1-	TFL
		30 A	- Onboard supply control unit -J519- (T73a/63)	30
13	- Fuse 13 on fuse holder C -SC13-	5 A	- Drive train CAN bus isolation relay -J788-	30
14	- Fuse 14 on fuse holder C -SC14-	5 A	- Front right headlight -MX2-	TFL

15	- Fuse 15 on fuse holder C -SC15-	30A	- Onboard supply control unit -J519- (T73b/68)	30
		5 A	- Mobile telephone operating electronics control unit -J412- - Voice amplification control unit -J656- ⁴⁾	30
16	- Fuse 16 on fuse holder C -SC16-	7,5 A	- Interface for external multimedia unit -R215- - TV tuner -R78-	30
17	- Fuse 17 on fuse holder C -SC17-	7,5 A	- Onboard supply control unit -J519- (T73/66) ¹⁾ - Interior light and luggage compartment light ¹⁾ - Interior monitor deactivation switch -E183- ¹⁾ - Automatic anti-dazzle interior mirror -Y7- ¹⁾	30 ¹⁾ 30g ¹⁾
18	- Fuse 18 on fuse holder C -SC18-	5 A	- Rear fresh air blower switch -E179-	75X
		5 A	- Operating and display unit for rear Climatronic -E265- - Rear blower regulation sender -G463-	30
19	- Fuse 19 on fuse holder C -SC19-	5 A	- Automatic anti-dazzle interior mirror -Y7-	15
20	- Fuse 20 on fuse holder C -SC20-	10 A	- Onboard supply control unit -J519- (T73a/64)	30
21	- Fuse 21 on fuse holder C -SC21-	5 A	- Rain sensor -G213-	30
22	- Fuse 22 on fuse holder C -SC22-	10 A	- High pressure sender -G65- - Air quality sensor -G238- - Air conditioning system relay -J32- - Coolant shut-off valve relay -J541-	15
23	- Fuse 23 on fuse holder C -SC23-	7,5 A or 10 A	- Operating and display unit for camping equipment -E153- - Roof display unit -J702- - Residual heat relay -J708- - Remote control receiver for auxiliary heating -R64- - Remote control receiver for auxiliary coolant heater -R149-	30
24	- Fuse 24 on fuse holder C -SC24-	7,5 A	- Interior light and luggage compartment light ¹⁾	30G ¹⁾
25	- Fuse 25 on fuse holder C -SC25-	25 A	- Heated front seats control unit -J774-	75X
26	- Fuse 26 on fuse holder C -SC26-	10 A	- Tachograph -G24-	30
27	- Fuse 27 on fuse holder C -SC27-	30 A	- Terminal 15 voltage supply relay 2 -J681-	30
28	- Fuse 28 on fuse holder C -SC28-	5 A	- Mirror adjustment switch -E43- - Mirror adjustment change-over switch -E48-	15
29	- Fuse 29 on fuse holder C -SC29-	20 A	- Heater control unit -J162-	30

30	- Fuse 30 on fuse holder C -SC30-	5 A	- Operating and display unit for camping equipment -E153-	15
		5 A	- Auxiliary coolant heater relay -J493-	75X
31	- Fuse 31 on fuse holder C -SC31-	5 A	- Onboard supply charger unit -A11-	30
		25 A	- Sliding sunroof adjustment control unit -J245-	30
32	- Fuse 32 on fuse holder C -SC32-	20 A	- Headlight washer system relay -J39-	30
33	- Fuse 33 on fuse holder C -SC33-	5 A	- Tachograph -G24-	15
34	- Fuse 34 on fuse holder C -SC34-	5 A	- Airbag coil connector and return spring with slip ring -F138- - Multifunction steering wheel control unit -J453-	30
35	- Fuse 35 on fuse holder C -SC35-	20 A	- Onboard supply control unit -J519- (T73b/11)	30
36	- Fuse 36 on fuse holder C -SC36-	5 A	- Operating and display unit for camping equipment -E153- - 10-pin connector -T10bh/9- ²⁾ - 10-pin connector -T10bj/10- ³⁾	15

**Note**

- ♦ ¹⁾ see interior light Current Flow Diagram
- ♦ ²⁾ only models with electric interface, for external use
- ♦ ³⁾ for optimal equipment police (UF4/UF5) only
- ♦ ⁴⁾ applicable from June 2010

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Fuse holder F -SF- (-SF1- up to -SF39- and -S131- up to -S133-)

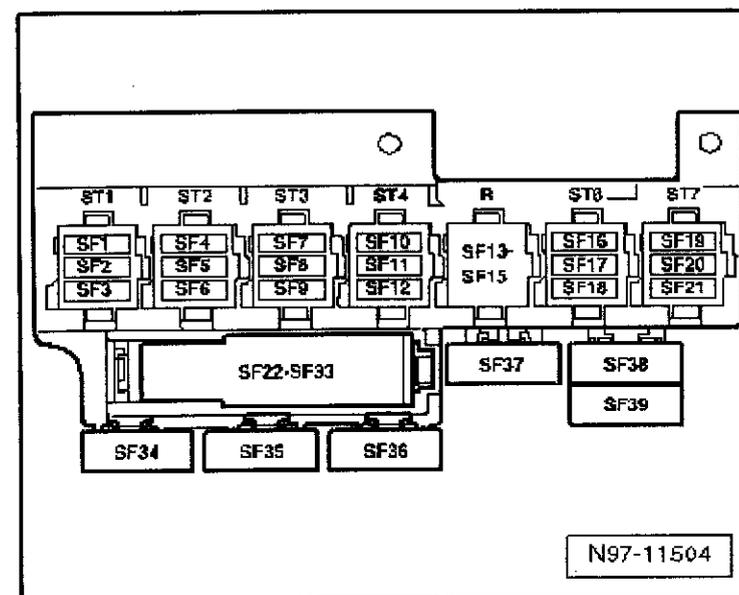
Location:

- ◆ On left in seat box

Fuse colours

- 40 A - blue
- 30 A - green
- 25 A - white
- 20 A - yellow
- 15 A - blue
- 10 A - red
- 7.5 A - brown
- 5 A - beige

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Fuse location for fuse -SF1- up to -SF39- on fuse holder F -SF- :

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1	Fuse 1 on fuse holder F -SF1-	5 A	- 10-pin connector -T10bh/5- ¹⁾ - 6-pin connector -T6bn/2- ⁵⁾	56b
2	Fuse 2 on fuse holder F -SF2-	3 A	- 10-pin connector -T10bh/7- ¹⁾ - 10-pin connector -T10bj/9- ⁵⁾	58/58d
3	Fuse 3 on fuse holder F -SF3-	15 A	- 10-pin connector -T10bh/8- ¹⁾ - 10-pin connector -T10bj/5- ⁵⁾ - Accident data memory -J754- ⁵⁾	56a
		5 A	- Accident data memory -J754- ⁶⁾	56a

4	- Fuse 4 on fuse holder F -SF4-	15 A	- 10-pin connector -T10bj/1- ¹⁾ . ⁵⁾	56a
5	- Fuse 5 on fuse holder F -SF5-	5 A	- 10-pin connector -T10bh/2- ¹⁾ - 10-pin connector -T10bj/3- ⁵⁾	FL
6	- Fuse 6 on fuse holder F -SF6-	25 A	- 6-pin connector -T6bn/3- ¹⁾ . ⁵⁾	15
7	- Fuse 7 on fuse holder F -SF7-	15 A	- 12 V socket -U5-	30
		30 A	- Transformer with socket, 12 V - 230 V -U13- ⁷⁾ or - Transformer with socket, 12 V - 115 V -U27- ⁷⁾	30
8	- Fuse 8 on fuse holder F -SF8-	20 A	- Heater control unit -J162-	30
		25 A	- Auxiliary heater control unit -J364-	30
9	- Fuse 9 on fuse holder F -SF9-	25 A	- Rear fresh air blower switch -E179- - Fresh air blower isolation relay -J487-	30
		30 A	- Rear fresh air blower switch -E179- - Fresh air blower isolation relay -J487- - Rear fresh air blower -V80-	30
10	- Fuse 10 on fuse holder F -SF10-	15 A ³⁾ 30 A ⁴⁾	- Fresh air blower switch -E9- - Auxiliary heater relay -J8- - Air conditioning system control unit -J301- - Fresh air blower series resistor with overheating fuse -N24-	30
11	- Fuse 11 on fuse holder F -SF11-	15 A	- Cigarette lighter -U1-	30
12	- Fuse 12 on fuse holder F -SF12-	5 A	- 10-pin connector -T10bh/4- ¹⁾ - 6-pin connector -T6bn/1- ⁵⁾ - Accident data memory -J754- ⁵⁾ , ⁶⁾	56b
13	- Fuse 13 on fuse holder F -SF13-	-	- See <zitat> -Fitting Locations: Relay </zitat>	-
14	- Fuse 14 on fuse holder F -SF14-	-	- See <zitat> -Fitting Locations: Relay </zitat>	-
15	- Fuse 15 on fuse holder F -SF15-	-	- See <zitat> -Fitting Locations: Relay </zitat>	-
16	- Fuse 16 on fuse holder F -SF16-	30 A	- Onboard supply charger unit -A11- ⁷⁾	30
17	- Fuse 17 on fuse holder F -SF17-	30 A	- Roof hydraulics control unit -J768- ⁷⁾	30
18	- Fuse 18 on fuse holder F -SF18-	10 A	- Map reading light bulb -L34- ⁷⁾ - Rear right reading light -W12- ⁷⁾ - Right interior light -W17- ⁷⁾	30

			- Luggage compartment light on left -W18- ⁷⁾ - Kitchenette light 1 -W57- ⁷⁾ - Kitchenette light 2 -W58- ⁷⁾ - Kitchenette light 3 -W59- ⁷⁾	
19	- Fuse 19 on fuse holder F -SF19-	10 A	- Refrigerator box -J698- ⁷⁾	30
20	- Fuse 20 on fuse holder F -SF20-	5 A	- Water pump switch -E80- ⁷⁾ - Water pump -V36- ⁷⁾	30
21	- Fuse 21 on fuse holder F -SF21-	5 A	- Operating and display unit for camping equipment -E153- ⁷⁾	30
22	- Fuse 22 on fuse holder F -SF22-	15 A	- 12 V socket 2 -U18-	30
23	- Fuse 23 on fuse holder F -SF23-	15 A	- 12 V socket 3 -U19-	30
24	- Fuse 24 on fuse holder F -SF24-	10 A	- Switch-over relay 1 for roof ventilator -J180- - Switch-over relay 2 for roof ventilator -J181- - Switch for roof ventilator to ventilate load area -E534- - Switch for roof ventilator to extract air from load area -E535-	30
		15A	- 12 V socket 4 -U20-	30
25	- Fuse 25 on fuse holder F -SF25-	15 A	- Trailer detector control unit -J345-	30
26	- Fuse 26 on fuse holder F -SF26-	20 A	- Trailer detector control unit -J345-	30
27	- Fuse 27 on fuse holder F -SF27-	20 A	- Trailer detector control unit -J345-	30
28	- Fuse 28 on fuse holder F -SF28-	7,5 A	- Reversing camera system control unit -J772-	30
29	- Fuse 29 on fuse holder F -SF29-	-	- Vacant	-
30	- Fuse 30 on fuse holder F -SF30-	5 A	- Voice amplification control unit -J656- ³⁾	30
31	- Fuse 31 on fuse holder F -SF31-	-	- Vacant	-
32	- Fuse 32 on fuse holder F -SF32-	-	- Vacant	-
33	- Fuse 33 on fuse holder F -SF33-	15 A	- Driver seat lumbar support adjustment switch -E176-	30
34	- Fuse 34 on fuse holder F -SF34-	40 A	- Right sliding door control unit -J731-	30
35	- Fuse 35 on fuse holder F -SF35-	80 A	- Battery isolation relay -J7- - Second battery charging circuit relay -J713-	30
36	- Fuse 36 on fuse holder F -SF36-	40 A	- Left sliding door control unit -J558-	30
37	- Fuse 37 on fuse holder F -SF37-	40 A	- Fresh air blower -V2- ²⁾	30

38	Fuse 38 on fuse holder F -SF38-	40 A	-	6-pin connector -T6bn/4- ¹⁾ . ⁵⁾	30
39	Fuse 39 on fuse holder F -SF39-	-	-	Vacant	-

 **Note**

- ♦ ¹⁾ only models with electric interface, for external use
- ♦ ²⁾ models with second battery only
- ♦ ³⁾ applicable up to May 2010
- ♦ ⁴⁾ applicable from June 2010
- ♦ ⁵⁾ for optimal equipment police (UF4/UF5) only
- ♦ ⁵⁾ for optimal equipment police (UF7) only
- ♦ ⁷⁾ for optimal equipment camper only, not for camper Beach

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Fuse location for fuse -S131- up to -S133- on fuse holder F -SF- :

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1- 21 ²⁾	Fuse 1 -S131-	10 A	- Right interior light -W17- ¹⁾ Rear right interior light -W48- ¹⁾ Kitchenette light 1 -W57- ¹⁾ Kitchenette light 3 -W59- ¹⁾	30
	Fuse 2 -S132-	10 A ³⁾	- 12 V socket -U5- ¹⁾	30
		15 A ⁴⁾	- 12 V socket -U5- ¹⁾	30
	Fuse 3 -S133-	15 A ⁴⁾	- 12 V socket 5 -U26- ¹⁾ Rear left reading light -W11- ¹⁾ Kitchenette light 2 -W58- ¹⁾	30

 **Note**

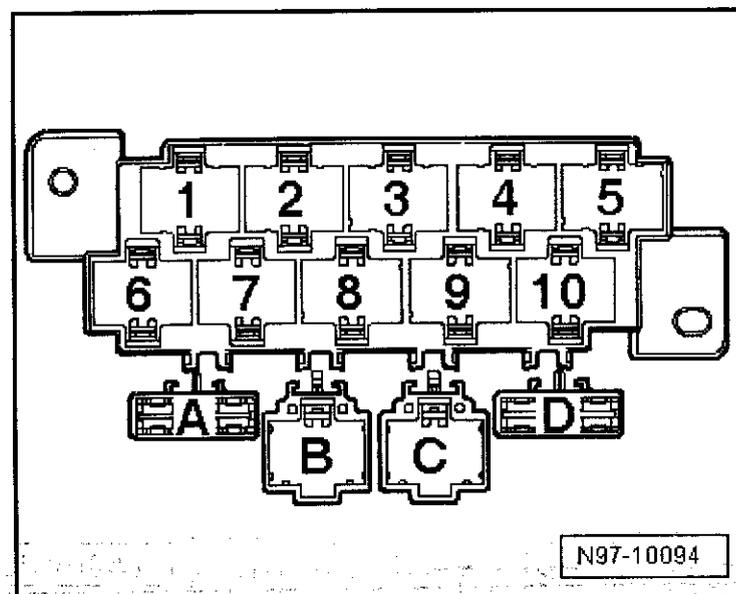
- ◆ 1) for optimal equipment camper Beach only
 - ◆ 2) Plug position freely selectable
 - ◆ 3) applicable up to May 2010
 - ◆ 4) applicable from June 2010
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Coupling station on left of seat box (10-pin)

Location:

- ◆ On left in seat box
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Fuse location for fuse -SF50- :



No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-10	- See <zitat> -Fitting Locations: Coupling stations </zitat>	-	-	-
A	- Vacant	-	-	-

B- C	- See <zitat> -Fitting Locations: Coupling stations </zitat>	-	-	-
D	- Fuse 50 on fuse holder F - SF50-	30 A	-	Amplifier -R12- 30

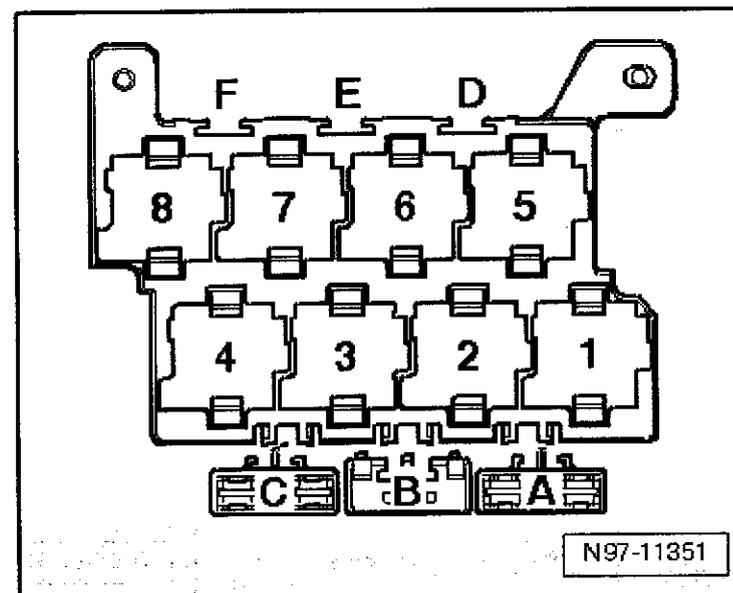
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Relay carrier cockpit (8-pin)

Location:

♦ Under dash panel (centre, under the fuses)

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Fuse location for fuse -SF51- up to -SF55- on relay carrier (1) cockpit (8-pin):

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-5	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
6	- Fuse 51 on fuse holder F -SF51-	15 A	- Alarm system control unit -J85- ¹⁾	49R
	- Fuse 52 on fuse holder F -SF52-	15 A	- Alarm system control unit -J85- ¹⁾	49L

	- Fuse 53 on fuse holder F -SF53-	10 A	- Taxi alarm system 2 control unit -J430-	DZ
7-8	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
A	- Vacant	-	-	-
B	- Fuse 55 on fuse holder F -SF55-	30 A	- Driver door control unit -J386- - Front passenger door control unit -J387-	30
C	- Vacant	-	-	-

 **Note**

¹⁾ for models with taxi equipment only

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Fuse location for fuse -SF56- on relay carrier (2) cockpit (8-pin):

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-8	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
A	- Vacant	-	-	-
B	- Vacant	-	-	-
C	- Fuse 56 on fuse holder F -SF56-	40 A	- Fresh air blower switch -E9- - Air conditioning system control unit -J301-	75X
		40 A	- Fresh air blower switch -E9- - Air conditioning system control unit -J301- - Auxiliary coolant heater relay -J493- ¹⁾ - Fresh air blower -V2-	30

 **Note**

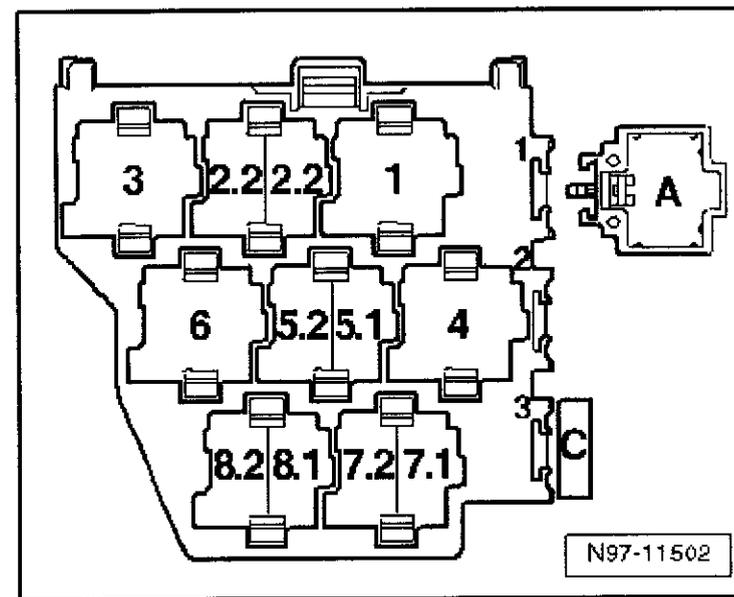
¹⁾ for models with auxiliary heating only

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Relay carrier electronics box (8-pin)

Location, from August 2009:

- ◆ In electronics box in engine compartment
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Position of fuses on relay carrier electronics box, from August 2009:

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-8	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
A	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
B	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
C	- ABS control unit fuse 1 -S123-	40A	- ABS control unit -J104-	30

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Position of fuses on relay carrier electronics box, from June 2010:

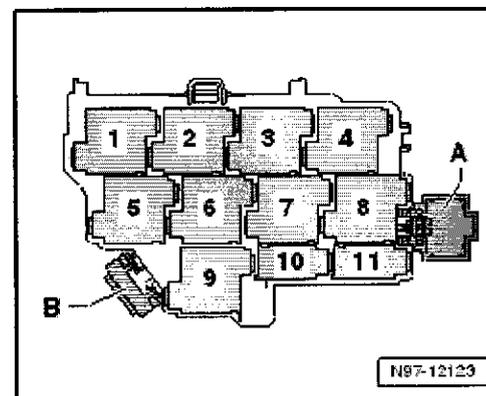
No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-8	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
A.1	- ABS control unit fuse 1 -S123-	40A	- ABS control unit -J104-	30
A.2	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
B	- Vacant	-	-	-
C	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-

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Location, from November 2010:

◆ In electronics box in engine compartment

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Position of fuses on relay carrier electronics box, from November 2010:

No.	Current Flow Diagram designation	Nominal value	Function/component	Terminal
1-11	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
A	- See <zitat> -Fitting Locations: Relay </zitat>	-	-	-
B	- ABS control unit fuse 1 -S123-	40A	- ABS control unit -J104-	30

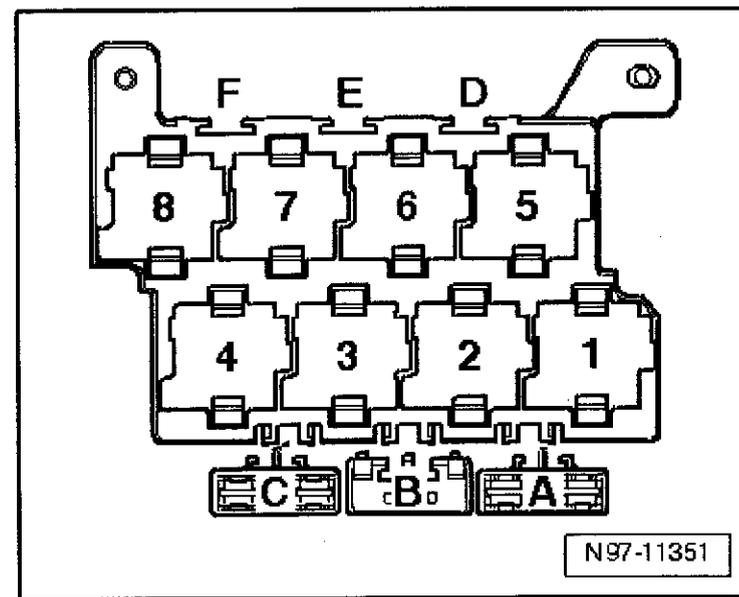
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Fuse holder for special vehicles

Location:

- ◆ On left in seat box
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Fuse location for fuse -S291- up to -S305- (UF4/UF5)



Item	Connector/designation	Nominal value
1	- Special vehicle fuse 1 -S291-	15 A
	- Special vehicle fuse 2 -S292-	15 A
	- Special vehicle fuse 3 -S293-	15 A
2	- Special vehicle fuse 4 -S294-	20 A
	- Special vehicle fuse 5 -S295-	15 A
	- Special vehicle fuse 6 -S296-	15 A
3	- See <zitat> -Fitting Locations: Relay </zitat>	-
4	- See <zitat> -Fitting Locations: Relay </zitat>	-
	- Special vehicle fuse 7 -S297- ¹⁾	10 A
	- Special vehicle fuse 8 -S298-	15 A

6	-	Special vehicle fuse 9 -S299-	10 A
	-	Special vehicle fuse 10 -S300- ¹⁾	5 A
	-	Special vehicle fuse 11 -S301- ¹⁾	7,5 A
	-	Special vehicle fuse 12 -S302- ¹⁾	7,5 A
7	-	Special vehicle fuse 13 -S303- ¹⁾	10 A ²⁾ 15 A ³⁾
	-	Special vehicle fuse 14 -S304- ^{1), 2)} Vacant ^{1), 3)}	10 A
	-	Special vehicle fuse 15 -S305- ¹⁾	15 A
8	-	See <zitat> -Fitting Locations: Relay </zitat>	-
A	-	Vacant	-
B	-	Vacant	-
C	-	Vacant	-

 **Note**

- ♦ ¹⁾ for optimal equipment police (UF5) only
 - ♦ ²⁾ applicable up to October 2010
 - ♦ ³⁾ applicable from November 2010
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Fuse location for fuse -S306- up to -S318- (UF7)

Item	Connector/designation	Nominal value
1	- Special vehicle fuse 16 -S306-	10 A
	- Special vehicle fuse 17 -S307-	25 A
	- Special vehicle fuse 18 -S308-	15 A

2	- Vacant	-
3	- See <zitat> -Fitting Locations: Relay </zitat>	-
4	- See <zitat> -Fitting Locations: Relay </zitat>	-
5	- Special vehicle fuse 19 -S309-	10 A
	- Special vehicle fuse 20 -S310-	10 A
	- Special vehicle fuse 21 -S311-	10 A
6	- Special vehicle fuse 22 -S312-	5 A
	- Special vehicle fuse 23 -S313-	25 A
	- Special vehicle fuse 24 -S314-	15 A
7	- Special vehicle fuse 25 -S315-	10 A
	- Special vehicle fuse 26 -S316-	10 A
	- Special vehicle fuse 27 -S317-	10 A
8	- See <zitat> -Fitting Locations: Relay </zitat>	-
A	- Special vehicle fuse 28 -S318-	40 A
B	- Vacant	-
C	- Vacant	-



Note

- ◆ *Following relays are located under driver seat:*
 - ◆ *Flashing lights relay -J630- (53)*
 - ◆ *Flashing lights relay 2 -J890- (53)*
 - ◆ *Horn relay 2 -J899- (53)*
 - ◆ *Flashing lights relay 3 -J900- (53)*
 - ◆ *Flashing lights relay 4 -J901- (53)*
 - ◆ *Relay for front 'stop' command light -J902- (53)*
 - ◆ *Engine continues to run without key relay 1 -J903- (96)*
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