

1 Fuses

1.1 Overview of the fuses (only for vehicles with left-hand drive)

1 - Fuse holder A -SA-

- ☐ Fitting location ⇒ [page 3](#)
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2 - Fuse holder B -SB-

- ☐ Fitting location ⇒ [page 4](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 5](#)
- ☐ Fuse assignment as of November 2015 ⇒ [page 7](#)
- ☐ Fuse assignment as of May 2016 ⇒ [page 8](#)

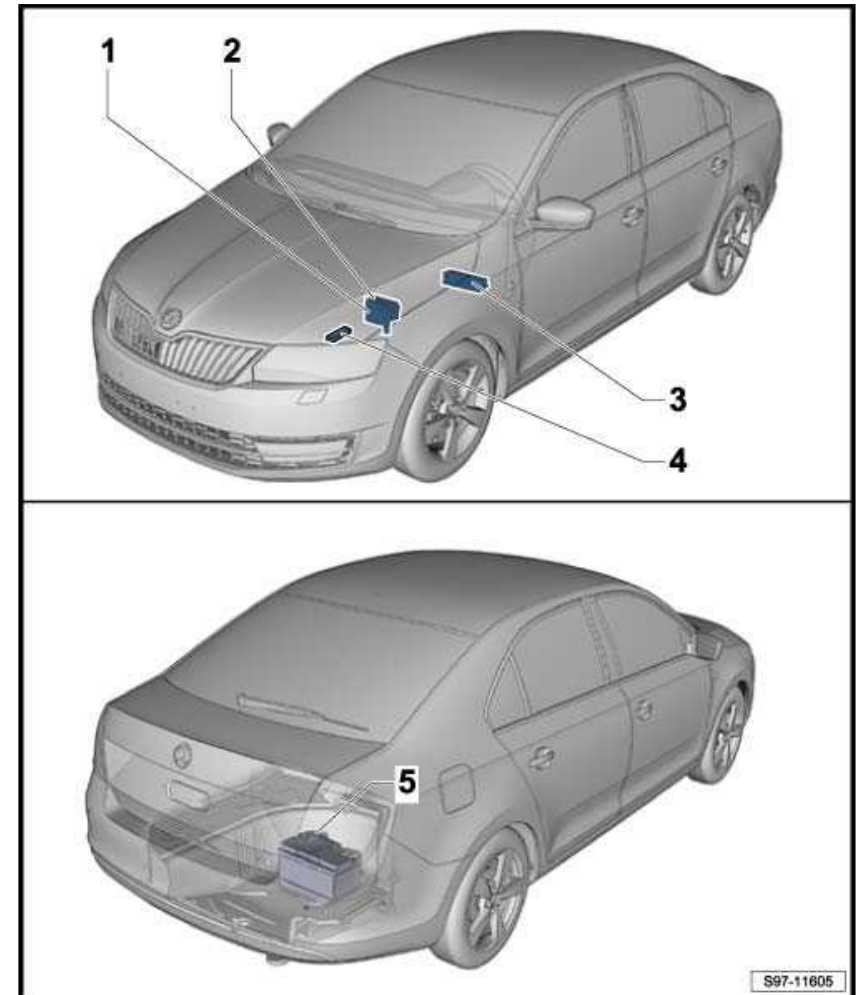
3 - Fuse holder C -SC-

- ☐ Fitting location ⇒ [page 9](#)
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4 - Jump start connection -TV32- anti-interference capacitor -C24-

5 - Fuse holder D -SD-

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1.2 Overview of the fuses (only for vehicles with right-hand drive)

1 - Fuse holder C -SC-

- ☐ Fitting location ⇒ [page 11](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 11](#)
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2 - Fuse holder B -SB-

- ☐ Fitting location ⇒ [page 4](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 5](#)
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- ☐ Fuse assignment as of May 2016 ⇒ [page 8](#)

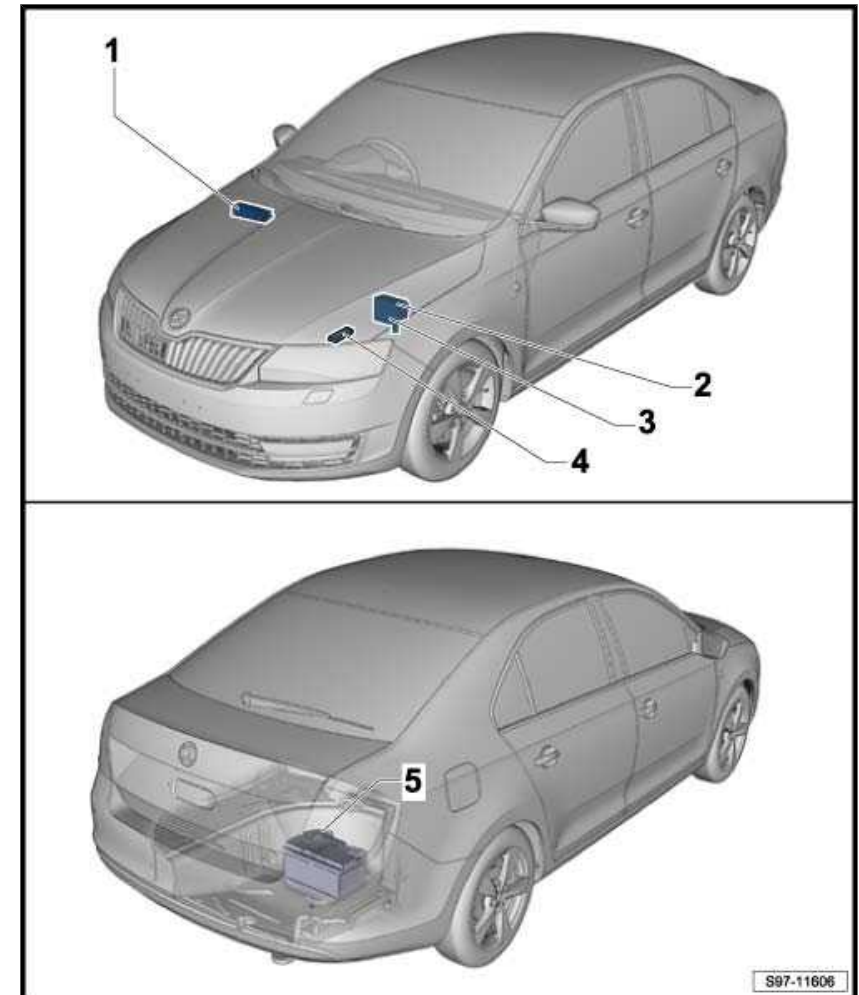
3 - Fuse holder A -SA-

- ☐ Fitting location ⇒ [page 3](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 3](#)

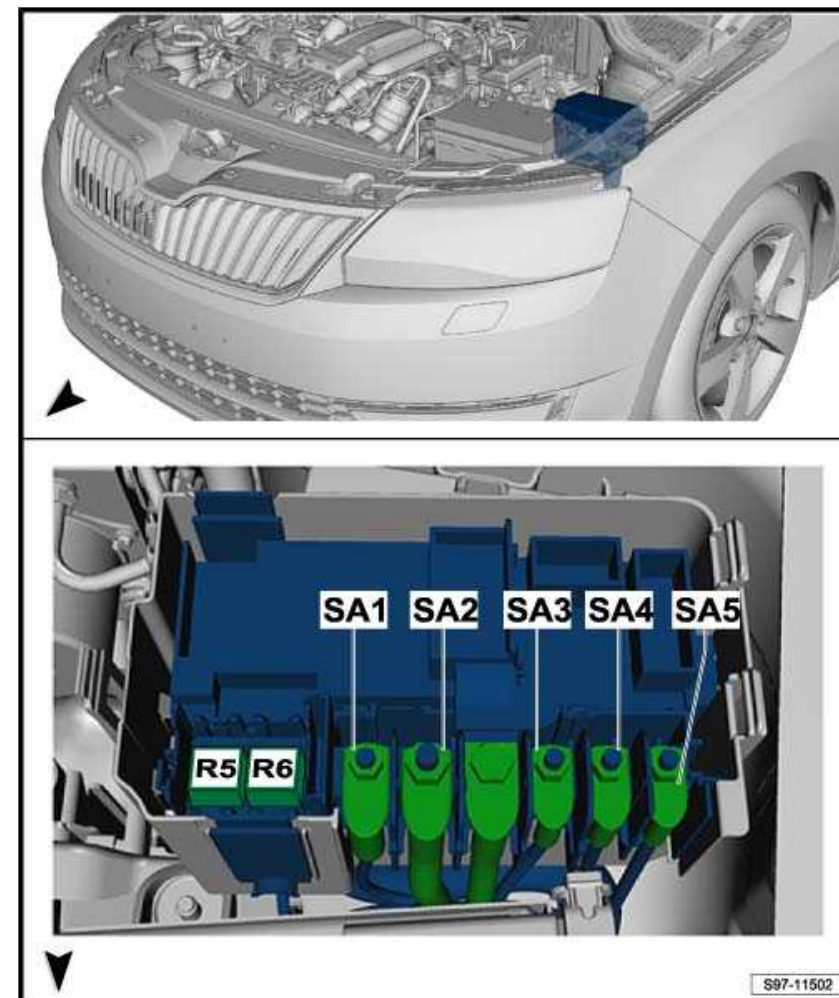
4 - Jump start connection -TV32- anti-interference capacitor -C24-

5 - Fuse holder D -SD-

- ☐ Fitting location ⇒ [page 20](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 21](#)



1.3 Fitting location of the fuses (SA) at the E box



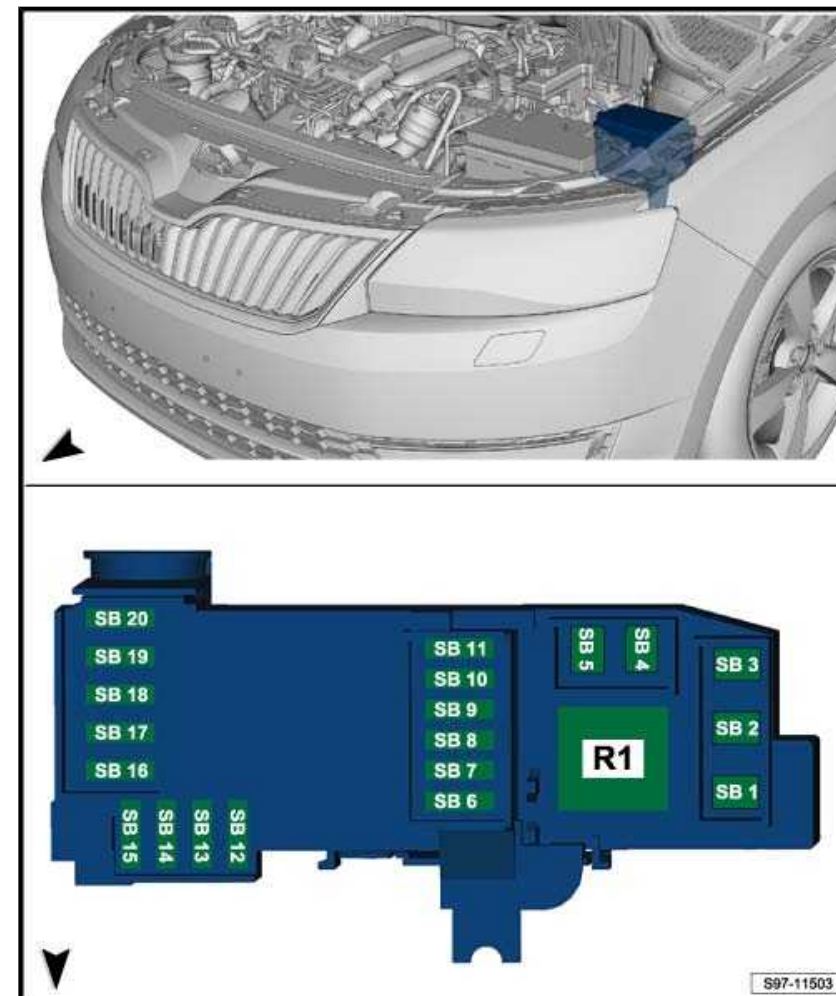
1.3.1 Fuse assignment, as of May 2015

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
1	-	Fuse 1 on fuse holder A -SA1-	50A	-	Supply for terminal 75x	30a
2	-	Fuse 2 on fuse holder A -SA2-	250A	-	Alternator with voltage regulator -CX1-	30a



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
3	-	Fuse 3 on fuse holder A -SA3-	80A	-	Power steering control unit -J500- (not valid for engine identification characters CXMA)	30a
4	-	Fuse 4 on fuse holder A -SA4-	80A	-	Supply for terminal 30_2 (not valid for engine identification characters CXMA)	30a
5	-	Fuse 5 on fuse holder A -SA5-	Metal strips	-	Supply for terminal 30_1, 125A safety fuse 1 -S131- integrated in the wiring harness)not valid for engine identification characters CXMA)	30a

1.4 Fitting location of fuses (SB) on the E box, on left in engine compartment



The protection for the unlisted optional equipment can be found in the corresponding current flow diagrams.

1.4.1 Fuse assignment, as of May 2015

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder B -SB1-	40A	-	Radiator fan control unit -J293- , Radiator fan -V7- (not valid for engine identification characters CZCA, CXMA)	30a



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
			50A		Radiator fan control unit -J293- , Radiator fan -V7- Anti-interference capacitor -C24- (applies to engine identification characters CZCA, CXMA)	
F2	-	Fuse 2 on fuse holder B -SB2-	50A	-	Automatic glow period control unit -J179-	30a
F3	-	Fuse 3 on fuse holder B -SB3-	40A	-	ABS control unit -J104-	30a
F4	-	Fuse 4 on fuse holder B -SB4-	50A	-	Heater element for additional air heater -Z35-	
F5	-	Fuse 5 on fuse holder B -SB5-	50A	-	Heater element for additional air heater -Z35-	
F6	-	Fuse 6 on fuse holder B -SB6-	30A	-	Double clutch gearbox mechatronics -J743- , Automatic gearbox control unit -J217-	30a
F7	-	Fuse 7 on fuse holder B -SB7-	7.5A	-	Engine control unit -J623-	30a
F8	-	Fuse 8 on fuse holder B -SB8-	30A	-	Windscreen wiper motor -V-	30a
F9	-	Fuse 9 on fuse holder B -SB9-	7.5A	-	Battery monitor control unit -J367- , Onboard control unit -J519-	30a
F10	-	Fuse 10 on fuse holder B -SB10-	25A	-	ABS control unit -J104-	30a
F11	-	Fuse 11 on fuse holder B -SB11-		-	not assigned	87a
F12	-	Fuse 12 on fuse holder B -SB12-	10A	-	Engine electronics	87a
F13	-	Fuse 13 on fuse holder B -SB13-	7.5A	-	Brake pedal switch -F47-	87a
F14	-	Fuse 14 on fuse holder B -SB14-	10A	-	Fuel pump relay -J17- , Pump for charge air cooler -V188- , Heating backup pump -V488- , Radiator fan control unit -J293- , engine electronics	87a
F15	-	Fuse 15 on fuse holder B -SB15-	7.5A	-	Engine control unit -J623-	50
F16	-	Fuse 16 on fuse holder B -SB16-	30A	-	Starter -B-	50
F17	-	Fuse 17 on fuse holder B -SB17-	20A	-	Engine control unit -J623-	87a
F18	-	Fuse 18 on fuse holder B -SB18-	10A	-	Engine electronics, Low heat output relay -J359- , High heat output relay -J360-	87a
F19	-	Fuse 19 on fuse holder B -SB19-	15A	-	Lambda probe -G39- , Lambda probe after catalytic converter -G130-	87a
F20	-	Fuse 20 on fuse holder B -SB20-	7.5A	-	Automatic glow period control unit -J179- , heating resistor for crankcase ventilation -N79- (on diesel engines)	87a
			20A	-	Ignition system (for petrol engines)	

1.4.2 Fuse assignment, as of November 2015

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder B -SB1-	40A	-	Radiator fan control unit -J293- , Radiator fan -V7- (not valid for engine identification characters CXMA)	30a
			50A	-	Radiator fan control unit -J293- , Radiator fan -V7- Anti-interference capacitor -C24- (applies to engine identification characters CXMA)	
F2	-	Fuse 2 on fuse holder B -SB2-	50A	-	Automatic glow period control unit -J179-	30a
F3	-	Fuse 3 on fuse holder B -SB3-	40A	-	ABS control unit -J104-	30a
F4	-	Fuse 4 on fuse holder B -SB4-	50A	-	Heater element for additional air heater -Z35-	
F5	-	Fuse 5 on fuse holder B -SB5-	50A	-	Heater element for additional air heater -Z35-	
F6	-	Fuse 6 on fuse holder B -SB6-	30A	-	Double clutch gearbox mechatronics -J743- , Automatic gearbox control unit -J217-	30a
F7	-	Fuse 7 on fuse holder B -SB7-	7.5A	-	Engine control unit -J623-	30a
F8	-	Fuse 8 on fuse holder B -SB8-	30A	-	Windscreen wiper motor -V-	30a
F9	-	Fuse 9 on fuse holder B -SB9-	7.5A	-	Battery monitor control unit -J367- , Onboard control unit -J519-	30a
F10	-	Fuse 10 on fuse holder B -SB10-	25A	-	ABS control unit -J104-	30a
F11	-	Fuse 11 on fuse holder B -SB11-		-	not assigned	87a
F12	-	Fuse 12 on fuse holder B -SB12-	10A	-	Engine electronics	87a
F13	-	Fuse 13 on fuse holder B -SB13-	7.5A	-	Brake pedal switch -F47-	87a
F14	-	Fuse 14 on fuse holder B -SB14-	10A	-	Fuel pump relay -J17- , Pump for charge air cooler -V188- , Heating backup pump -V488- , Radiator fan control unit -J293- , engine electronics	87a
F15	-	Fuse 15 on fuse holder B -SB15-	7.5A	-	Engine control unit -J623-	50
F16	-	Fuse 16 on fuse holder B -SB16-	30A	-	Starter -B-	50
F17	-	Fuse 17 on fuse holder B -SB17-	20A	-	Engine control unit -J623-	87a
F18	-	Fuse 18 on fuse holder B -SB18-	10A	-	Engine electronics, Low heat output relay -J359- , High heat output relay -J360-	87a
F19	-	Fuse 19 on fuse holder B -SB19-	15A	-	Lambda probe -G39- , Lambda probe after catalytic converter -G130-	87a
F20	-	Fuse 20 on fuse holder B -SB20-	7.5A	-	Automatic glow period control unit -J179- , heating resistor for crankcase ventilation -N79- (on diesel engines)	87a
			20A	-	Ignition system (for petrol engines)	

1.4.3 Fuse assignment, as of May 2016

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder B -SB1-	40A	-	Radiator fan control unit -J293- , Radiator fan -V7- (not valid for engine identification characters CXMA)	30a
			50A		Radiator fan control unit -J293- , Radiator fan -V7- Anti-interference capacitor -C24- (applies to engine identification characters CXMA)	
F2	-	Fuse 2 on fuse holder B -SB2-	50A	-	Automatic glow period control unit -J179-	30a
F3	-	Fuse 3 on fuse holder B -SB3-	40A	-	ABS control unit -J104-	30a
F4	-	Fuse 4 on fuse holder B -SB4-	50A	-	Heating element for additional air heating -Z35- (not for vehicles with Russia equipment)	
			30A	-	Heated windscreen -Z2- (only for vehicles with Russia equipment)	
F5	-	Fuse 5 on fuse holder B -SB5-	50A	-	Heating element for additional air heating -Z35- (not for vehicles with Russia equipment)	
			30A	-	Heated windscreen -Z2- (only for vehicles with Russia equipment)	
F6	-	Fuse 6 on fuse holder B -SB6-	30A	-	Double clutch gearbox mechatronics -J743- , Automatic gearbox control unit -J217-	30a
F7	-	Fuse 7 on fuse holder B -SB7-	7.5A	-	Engine control unit -J623-	30a
F8	-	Fuse 8 on fuse holder B -SB8-	30A	-	Windscreen wiper motor -V-	30a
F9	-	Fuse 9 on fuse holder B -SB9-	7.5A	-	Battery monitor control unit -J367- , Onboard control unit -J519-	30a
F10	-	Fuse 10 on fuse holder B -SB10-	25A	-	ABS control unit -J104-	30a
F11	-	Fuse 11 on fuse holder B -SB11-		-	not assigned	87a
F12	-	Fuse 12 on fuse holder B -SB12-	10A	-	Engine electronics	87a
F13	-	Fuse 13 on fuse holder B -SB13-	7.5A	-	Brake pedal switch -F47-	87a
F14	-	Fuse 14 on fuse holder B -SB14-	10A	-	Fuel pump relay -J17- , Pump for charge air cooler -V188- , Heating backup pump -V488- , Radiator fan control unit -J293- , engine electronics	87a
F15	-	Fuse 15 on fuse holder B -SB15-	7.5A	-	Engine control unit -J623- , voltage stabiliser -J532-	50
F16	-	Fuse 16 on fuse holder B -SB16-	30A	-	Starter -B-	50
F17	-	Fuse 17 on fuse holder B -SB17-	20A	-	Engine control unit -J623-	87a
F18	-	Fuse 18 on fuse holder B -SB18-	10A	-	Engine electronics, Low heat output relay -J359- , High heat output relay -J360-	87a



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F19	-	Fuse 19 on fuse holder B -SB19-	15A	-	Lambda probe -G39- , Lambda probe after catalytic converter -G130-	87a
F20	-	Fuse 20 on fuse holder B -SB20-	7.5A	-	Automatic glow period control unit -J179- , heating resistor for crankcase ventilation -N79- (on diesel engines)	87a
			20A	-	Ignition system (for petrol engines)	

Fuse colours

50 A - red

40 A - orangegreen

30 A - greenpink

25 A - white

20 A - yellowblue

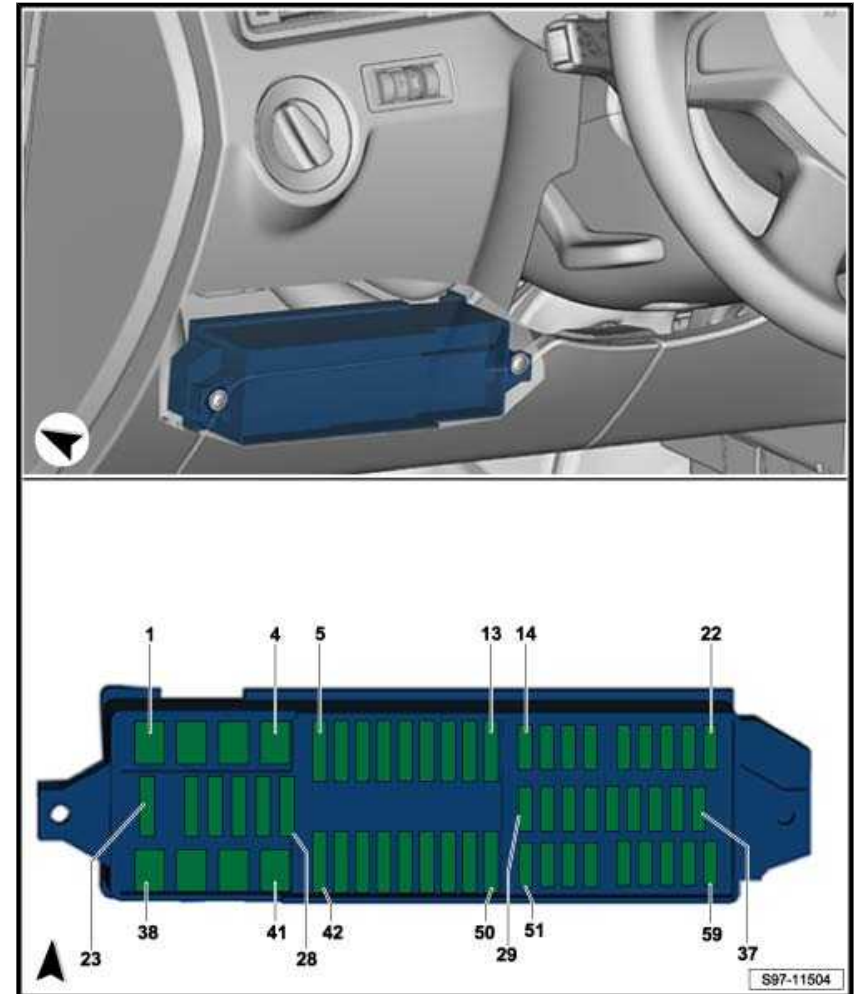
15 A - blue

10 A - red

7.5 A - brown

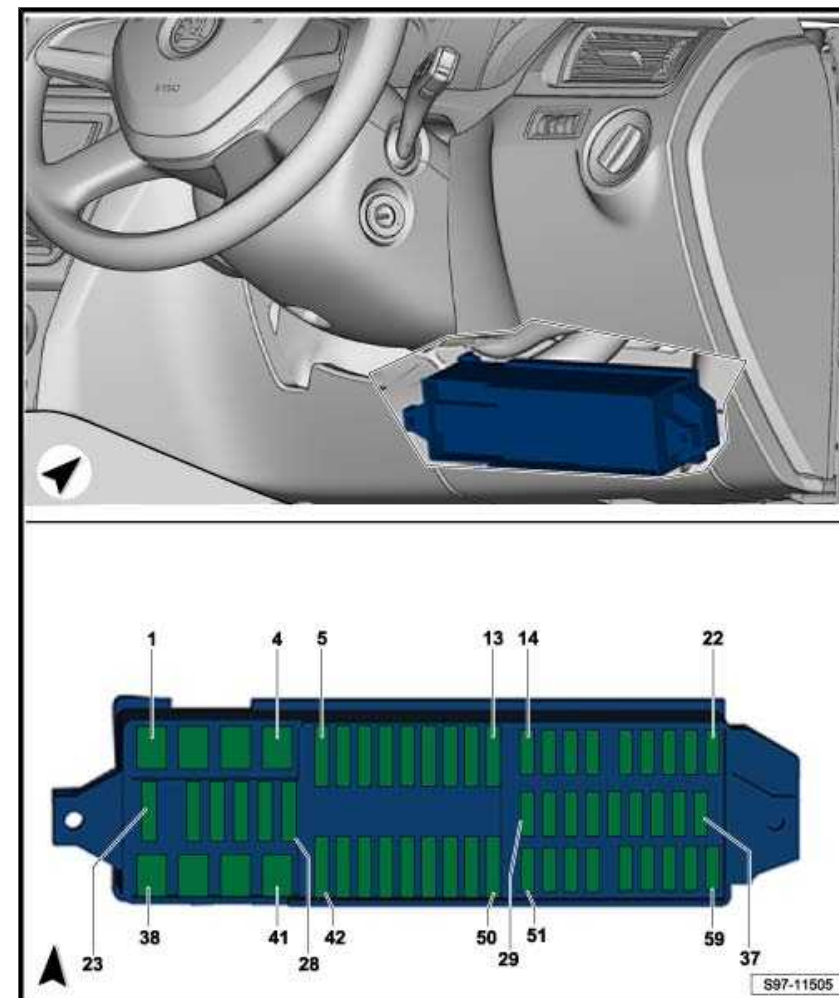
5 A - beige

1.5 Fitting location of the fuses (SC) below the left dash panel (only for vehicles with left-hand drive)



The protection for the unlisted optional equipment can be found in the corresponding current flow diagrams.

1.6 Fitting location of the fuses (SC) below the right dash panel (only for vehicles with right-hand drive)



The protection for the unlisted optional equipment can be found in the corresponding current flow diagrams.

1.6.1 Fuse assignment, as of May 2015

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder C -SC1-	40A	-	Supply for left light	30a_1



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F2	-	Fuse 2 on fuse holder C -SC2-	30A	-	Central locking	30a_1
F3	-	Fuse 3 on fuse holder C -SC3-	30A	-	Supply for terminal 15	30a_1
F4	-	Fuse 4 on fuse holder C -SC4-	40A	-	Supply for right light	30a_1
F5	-	Fuse 5 on fuse holder C -SC5-	25A	-	Window regulator motor, driver side -V147-	30a_1
F6	-	Fuse 6 on fuse holder C -SC6-	30A	-	Onboard control unit -J519-	30a_1
F7	-	Fuse 7 on fuse holder C -SC7-	20A	-	High tone horn -H2- , Low tone horn -H7-	30a_1
F8	-	Fuse 8 on fuse holder C -SC8-	25A	-	Trailer detector control unit -J345-	30a_1
F9	-	Fuse 9 on fuse holder C -SC9-	10A	-	Ignition starter switch -D- Terminal 30	30a_1
F10	-	Fuse 10 on fuse holder C -SC10-	25A	-	Window regulator motor, rear left -V26-	30a_1
F11	-	Fuse 11 on fuse holder C -SC11-	30A	-	Headlight washer system relay -J39-	30a_1
F12	-	Fuse 12 on fuse holder C -SC12-	7.5A	-	Multimedia system operating unit -E380- , Display unit for control unit of the display and operating unit, front information -J685-	30a_1
F13	-	Fuse 13 on fuse holder C -SC13-		-	not assigned	30a_1
F14	-	Fuse 14 on fuse holder C -SC14-	7.5A	-	Light switch -E1- , Headlight dipperflasher switch -E4- , Multifunction steering wheel control unit -J453- , Ignition key withdrawal lock solenoid -N376- , Control unit for wireless data transfer -J1070- , Air humidity, rain and light detector sensor -G823- , Humidity sender -G355- , mobile phone pre-installation	30a_1
F15	-	Fuse 15 on fuse holder C -SC15-	7.5A	-	Tiptronic switch -F189- , Heater control unit -J65- , Air conditioning system control unit -J301- , Climatronic control unit -J255- , 16-pin connector -T16b- , at diagnostic connection	30a_1
F16	-	Fuse 16 on fuse holder C -SC16-	7.5A	-	Dash panel insert -K-	30a_1
F17	-	Fuse 17 on fuse holder C -SC17-	7.5A	-	Anti-theft alarm system horn -H8- , Sensor for anti-theft alarm system -G578-	30a_1
F18	-	Fuse 18 on fuse holder C -SC18-		-	not assigned	
F19	-	Fuse 19 on fuse holder C -SC19-		-	not assigned	
F20	-	Fuse 20 on fuse holder C -SC20-		-	not assigned	
F21	-	Fuse 21 on fuse holder C -SC21-		-	not assigned	
F22	-	Fuse 22 on fuse holder C -SC22-	7.5A	-	Windscreen and rear window washer pump -V59-	53c
F23	-	Fuse 23 on fuse holder C -SC23-	20A	-	Heated front seat control unit -J774-	15a
F24	-	Fuse 24 on fuse holder C -SC24-	30A	-	Fresh air blower switch -E9- , Fresh air blower -V2- , Fresh air blower control unit -J126-	75x
F25	-	Fuse 25 on fuse holder C -SC25-		-	not assigned	
F26	-	Fuse 26 on fuse holder C -SC26-	7.5A	-	Heated driver seat regulator -E94- , Heated front passenger seat regulator -E95-	75x
F27	-	Fuse 27 on fuse holder C -SC27-	15A	-	Rear window wiper motor -V12-	75x



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F28	-	Fuse 28 on fuse holder C -SC28-		-	not assigned	75x
F29	-	Fuse 29 on fuse holder C -SC29-	10A	-	Airbag control unit -J234- (for vehicles with entry and start authorisation)	15a
F30	-	Fuse 30 on fuse holder C -SC30-	7.5A	-	Light switch -E1- , Reversing light switch -F4- , TCS and ESP button -E256- , Front passenger side airbag deactivated warning lamp -K145- , Heater control unit -J65- , High-pressure sender -G65- , Air conditioning system control unit -J301- , Window regulator motor driver's side -V147- , Window regulator front passenger side -V148- , Window regulator motor, rear left -V26- , Window regulator motor, rear right -V27- , Automatic anti-dazzle interior mirror -Y7- , Parking aid control unit -J446- , mobile phone pre-installation	15a
F31	-	Fuse 31 on fuse holder C -SC31-	7.5A	-	Fuel pump control unit -J538- (for engine identification characters CJZC, CJZD) Cruise control system, Radiator fan control unit -J293- , Relay for windscreen washer pump -J576-	15a
F32	-	Fuse 32 on fuse holder C -SC32-	7.5A	-	16-pin connector -T16b- , at diagnostic connection, headlight range control adjuster -E102- , headlight range control motor, left -V48- , headlight range control motor, right -V49- , headlight dipperflasher switch -E4-	15a
F33	-	Fuse 33 on fuse holder C -SC33-	7.5A	-	Starter relay 1 -J906- , starter relay 2 -J907- , clutch position sender -G476-	15a
F34	-	Fuse 34 on fuse holder C -SC34-	7.5A	-	Heater element for left spray jet -Z20- , Heater element for right spray jet -Z21-	15a
F35	-	Fuse 35 on fuse holder C -SC35-		-	not assigned	15a
F36	-	Fuse 36 on fuse holder C -SC36-		-	not assigned	15a
F37	-	Fuse 37 on fuse holder C -SC37-	7.5A	-	Clearance control control unit -J428-	15a
F38	-	Fuse 38 on fuse holder C -SC38-		-	not assigned	30a_2
F39	-	Fuse 39 on fuse holder C -SC39-	50A	-	Low heat output relay -J359-	30a_2
F40	-	Fuse 40 on fuse holder C -SC40-		-	not assigned	30a_2
F41	-	Fuse 41 on fuse holder C -SC41-	30A	-	heated rear window -Z1-	30a_2
F42	-	Fuse 42 on fuse holder C -SC42-	25A	-	Window regulator motor, front passenger side -V148-	30a_2
F43	-	Fuse 43 on fuse holder C -SC43-	15A	-	Trailer detector control unit -J345-	30a_2
F44	-	Fuse 44 on fuse holder C -SC44-	15A	-	Socket -U- , Cigarette lighter -U1-	30a_2
F45	-	Fuse 45 on fuse holder C -SC45-	25A	-	Window regulator motor, rear right -V27-	30a_2
F46	-	Fuse 46 on fuse holder C -SC46-	15A	-	Intermittent wiper switch -E22- , Rear wiper switch -E34- , Intermittent wiper control -E38-	30a_2
F47	-	Fuse 47 on fuse holder C -SC47-	15A	-	Trailer detector control unit -J345-	30a_2
F48	-	Fuse 48 on fuse holder C -SC48-	25A	-	Trailer detector control unit -J345-	30a_2

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F49	-	Fuse 49 on fuse holder C -SC49-	15A	-	Fuel pump control unit -J538- (valid for engine identification characters CJZC, CJZD, CZCA)	30a_2
			20A	-	Fuel system pressurisation pump -G6- (valid for engine identification characters CWVA, CWVB, CUSB, CXMA)	
F50	-	Fuse 50 on fuse holder C -SC50-	20A	-	Control unit for IT 1 -J794-	30a_2
F51	-	Fuse 51 on fuse holder C -SC51-	10A	-	Supply for mirror heating	30a_2
F52	-	Fuse 52 on fuse holder C -SC52-	7.5A	-	Entry and start authorisation control unit -J518-	30a_2
F53	-	Fuse 53 on fuse holder C -SC53-	10A	-	Electronic steering column lock control unit -J764-	30a_2
F54	-	Fuse 54 on fuse holder C -SC54-	15A	-	ABS control unit -J104-	30a_2
F55	-	Fuse 55 on fuse holder C -SC55-		-	not assigned	
F56	-	Fuse 56 on fuse holder C -SC56-		-	not assigned	
F57	-	Fuse 57 on fuse holder C -SC57-		-	not assigned	
F58	-	Fuse 58 on fuse holder C -SC58-		-	not assigned	
F59	-	Fuse 59 on fuse holder C -SC59-		-	not assigned	

1.6.2 Fuse assignment, as of November 2015

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder C -SC1-	40A	-	Supply for left light	30a_1
F2	-	Fuse 2 on fuse holder C -SC2-	30A	-	Central locking	30a_1
F3	-	Fuse 3 on fuse holder C -SC3-	30A	-	Supply for terminal 15	30a_1
F4	-	Fuse 4 on fuse holder C -SC4-	40A	-	Supply for right light	30a_1
F5	-	Fuse 5 on fuse holder C -SC5-	25A	-	Window regulator motor, driver side -V147-	30a_1
F6	-	Fuse 6 on fuse holder C -SC6-	30A	-	Onboard control unit -J519-	30a_1
F7	-	Fuse 7 on fuse holder C -SC7-	20A	-	High tone horn -H2- , Low tone horn -H7-	30a_1
F8	-	Fuse 8 on fuse holder C -SC8-	25A	-	Trailer detector control unit -J345-	30a_1
F9	-	Fuse 9 on fuse holder C -SC9-	10A	-	Ignition starter switch -D- Terminal 30	30a_1
F10	-	Fuse 10 on fuse holder C -SC10-	25A	-	Window regulator motor, rear left -V26-	30a_1
F11	-	Fuse 11 on fuse holder C -SC11-	30A	-	Headlight washer system relay -J39-	30a_1
F12	-	Fuse 12 on fuse holder C -SC12-	7.5A	-	Multimedia system operating unit -E380- , Display unit for control unit of the display and operating unit, front information -J685-	30a_1
F13	-	Fuse 13 on fuse holder C -SC13-		-	not assigned	30a_1



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F14	-	Fuse 14 on fuse holder C -SC14-	7.5A	-	Light switch -E1- , Headlight dipperflasher switch -E4- , Multifunction steering wheel control unit -J453- , Ignition key withdrawal lock solenoid -N376- , Control unit for wireless data transfer -J1070- , Air humidity, rain and light detector sensor -G823- , Humidity sender -G355-	30a_1
F15	-	Fuse 15 on fuse holder C -SC15-	7.5A	-	Tiptronic switch -F189- , Heater control unit -J65- , Air conditioning system control unit -J301- , Climatronic control unit -J255- , 16-pin connector -T16b- , at diagnostic connection	30a_1
F16	-	Fuse 16 on fuse holder C -SC16-	7.5A	-	Dash panel insert -K-	30a_1
F17	-	Fuse 17 on fuse holder C -SC17-	7.5A	-	Anti-theft alarm system horn -H8- , Sensor for anti-theft alarm system -G578-	30a_1
F18	-	Fuse 18 on fuse holder C -SC18-		-	not assigned	
F19	-	Fuse 19 on fuse holder C -SC19-		-	not assigned	
F20	-	Fuse 20 on fuse holder C -SC20-		-	not assigned	
F21	-	Fuse 21 on fuse holder C -SC21-		-	not assigned	
F22	-	Fuse 22 on fuse holder C -SC22-	7.5A	-	Windscreen and rear window washer pump -V59-	53c
F23	-	Fuse 23 on fuse holder C -SC23-	20A	-	Heated front seat control unit -J774-	15a
F24	-	Fuse 24 on fuse holder C -SC24-	30A	-	Fresh air blower switch -E9- , Fresh air blower -V2- , Fresh air blower control unit -J126-	75x
F25	-	Fuse 25 on fuse holder C -SC25-		-	not assigned	
F26	-	Fuse 26 on fuse holder C -SC26-	7.5A	-	Heated driver seat regulator -E94- , Heated front passenger seat regulator -E95-	75x
F27	-	Fuse 27 on fuse holder C -SC27-	15A	-	Rear window wiper motor -V12-	75x
F28	-	Fuse 28 on fuse holder C -SC28-		-	not assigned	75x
F29	-	Fuse 29 on fuse holder C -SC29-	10A	-	Airbag control unit -J234-	15a
F30	-	Fuse 30 on fuse holder C -SC30-	7.5A	-	Light switch -E1- , Reversing light switch -F4- , TCS and ESP button -E256- , Front passenger side airbag deactivated warning lamp -K145- , Heater control unit -J65- , High-pressure sender -G65- , Air conditioning system control unit -J301- , Window regulator motor driver's side -V147- , Window regulator front passenger side -V148- , Window regulator motor, rear left -V26- , Window regulator motor, rear right -V27- , Automatic anti-dazzle interior mirror -Y7- , Parking aid control unit -J446-	15a
F31	-	Fuse 31 on fuse holder C -SC31-	7.5A	-	Fuel pump control unit -J538- (for engine identification characters CJZC, CJZD) Cruise control system, Radiator fan control unit -J293- , Relay for windscreen washer pump -J576-	15a



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F32	-	Fuse 32 on fuse holder C -SC32-	7.5A	-	16-pin connector -T16b- , at diagnostic connection, headlight range control adjuster -E102- , headlight range control motor, left -V48- , headlight range control motor, right -V49- , headlight dipperflasher switch -E4-	15a
F33	-	Fuse 33 on fuse holder C -SC33-	7.5A	-	Starter relay 1 -J906- , starter relay 2 -J907- , clutch position sender -G476-	15a
F34	-	Fuse 34 on fuse holder C -SC34-	7.5A	-	Heater element for left spray jet -Z20- , Heater element for right spray jet -Z21-	15a
F35	-	Fuse 35 on fuse holder C -SC35-		-	not assigned	15a
F36	-	Fuse 36 on fuse holder C -SC36-		-	not assigned	15a
F37	-	Fuse 37 on fuse holder C -SC37-	7.5A	-	Clearance control control unit -J428-	15a
F38	-	Fuse 38 on fuse holder C -SC38-		-	not assigned	30a_2
F39	-	Fuse 39 on fuse holder C -SC39-	50A	-	Low heat output relay -J359-	30a_2
F40	-	Fuse 40 on fuse holder C -SC40-		-	not assigned	30a_2
F41	-	Fuse 41 on fuse holder C -SC41-	30A	-	heated rear window -Z1-	30a_2
F42	-	Fuse 42 on fuse holder C -SC42-	25A	-	Window regulator motor, front passenger side -V148-	30a_2
F43	-	Fuse 43 on fuse holder C -SC43-	15A	-	Trailer detector control unit -J345-	30a_2
F44	-	Fuse 44 on fuse holder C -SC44-	15A	-	Socket -U- , Cigarette lighter -U1-	30a_2
F45	-	Fuse 45 on fuse holder C -SC45-	25A	-	Window regulator motor, rear right -V27-	30a_2
F46	-	Fuse 46 on fuse holder C -SC46-	15A	-	Intermittent wiper switch -E22- , Rear wiper switch -E34- , Intermittent wiper control -E38-	30a_2
F47	-	Fuse 47 on fuse holder C -SC47-	15A	-	Trailer detector control unit -J345-	30a_2
F48	-	Fuse 48 on fuse holder C -SC48-	25A	-	Trailer detector control unit -J345-	30a_2
F49	-	Fuse 49 on fuse holder C -SC49-	15A	-	Fuel pump control unit -J538- (valid for engine identification characters CJZC, CJZD, CZCA)	30a_2
			20A	-	Fuel system pressurisation pump -G6- (valid for engine identification characters CWVA, CWVB, CUSB, CXMA)	
F50	-	Fuse 50 on fuse holder C -SC50-	20A	-	Control unit for IT 1 -J794-	30a_2
F51	-	Fuse 51 on fuse holder C -SC51-	10A	-	Supply for mirror heating	30a_2
F52	-	Fuse 52 on fuse holder C -SC52-	7.5A	-	Entry and start authorisation control unit -J518-	30a_2
F53	-	Fuse 53 on fuse holder C -SC53-	10A	-	Electronic steering column lock control unit -J764-	30a_2
F54	-	Fuse 54 on fuse holder C -SC54-	15A	-	ABS control unit -J104-	30a_2
F55	-	Fuse 55 on fuse holder C -SC55-		-	not assigned	
F56	-	Fuse 56 on fuse holder C -SC56-		-	not assigned	
F57	-	Fuse 57 on fuse holder C -SC57-		-	not assigned	

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F58	-	Fuse 58 on fuse holder C -SC58-		-	not assigned	
F59	-	Fuse 59 on fuse holder C -SC59-		-	not assigned	

1.6.3 Fuse assignment, as of May 2016

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F1	-	Fuse 1 on fuse holder C -SC1-	40A	-	Supply for left light	30a_1
F2	-	Fuse 2 on fuse holder C -SC2-	30A	-	Central locking, windscreen and rear window washer pump -V59- , rear window wiper motor -V12-	30a_1
F3	-	Fuse 3 on fuse holder C -SC3-	30A	-	Supply for terminal 15	30a_1
F4	-	Fuse 4 on fuse holder C -SC4-	40A	-	Supply for right light	30a_1
F5	-	Fuse 5 on fuse holder C -SC5-	25A	-	Window regulator motor, driver side -V147-	30a_1
F6	-	Fuse 6 on fuse holder C -SC6-	30A	-	Onboard control unit -J519-	30a_1
F7	-	Fuse 7 on fuse holder C -SC7-	20A	-	High tone horn -H2- , Low tone horn -H7-	30a_1
F8	-	Fuse 8 on fuse holder C -SC8-	25A	-	Trailer detector control unit -J345-	30a_1
F9	-	Fuse 9 on fuse holder C -SC9-	10A	-	Ignition starter switch -D- Terminal 30	30a_1
F10	-	Fuse 10 on fuse holder C -SC10-	25A	-	Window regulator motor, rear left -V26-	30a_1
F11	-	Fuse 11 on fuse holder C -SC11-	30A	-	Headlight washer system relay -J39-	30a_1
F12	-	Fuse 12 on fuse holder C -SC12-	7.5A	-	Multimedia system operating unit -E380- , Display unit for control unit of the display and operating unit, front information -J685-	30a_1
F13	-	Fuse 13 on fuse holder C -SC13-	20A	-	Voltage stabiliser -J532- (only for vehicles with Taxi equipment)	30a_1
F14	-	Fuse 14 on fuse holder C -SC14-	7.5A	-	Light switch -E1- , Headlight dipperflasher switch -E4- , Multifunction steering wheel control unit -J453- , Ignition key withdrawal lock solenoid -N376- , Control unit for wireless data transfer -J1070- , Air humidity, rain and light detector sensor -G823- , Humidity sender -G355- , rear view camera -R189-	30a_1
F15	-	Fuse 15 on fuse holder C -SC15-	7.5A	-	Tiptronic switch -F189- , Heater control unit -J65- , Air conditioning system control unit -J301- , Climatronic control unit -J255- , 16-pin connector -T16b- , at diagnostic connection, Heated windscreen relay -J47-	30a_1
F16	-	Fuse 16 on fuse holder C -SC16-	7.5A	-	Dash panel insert -K-	30a_1
F17	-	Fuse 17 on fuse holder C -SC17-	7.5A	-	Anti-theft alarm system horn -H8- , Sensor for anti-theft alarm system -G578-	30a_1
F18	-	Fuse 18 on fuse holder C -SC18-	10A	-	Heated rear seat control unit -J786-	15a
F19	-	Fuse 19 on fuse holder C -SC19-		-	not assigned	
F20	-	Fuse 20 on fuse holder C -SC20-		-	not assigned	



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F21	-	Fuse 21 on fuse holder C -SC21-		-	not assigned	
F22	-	Fuse 22 on fuse holder C -SC22-	10A	-	Windscreen and rear window washer pump -V59- (for vehicles without entry and start authorisation and without heated windscreen)	53c
F23	-	Fuse 23 on fuse holder C -SC23-	20A	-	Heated front seat control unit -J774-	15a
F24	-	Fuse 24 on fuse holder C -SC24-	30A	-	Fresh air blower switch -E9- , Fresh air blower -V2- , Fresh air blower control unit -J126-	75x
F25	-	Fuse 25 on fuse holder C -SC25-		-	not assigned	
F26	-	Fuse 26 on fuse holder C -SC26-	7.5A	-	Heated driver seat regulator -E94- , Heated front passenger seat regulator -E95- , Rear left heated seat switch -E77- , Rear right heated seat switch -E78-	75x
F27	-	Fuse 27 on fuse holder C -SC27-	15A	-	Rear window wiper motor -V12-	75x
F28	-	Fuse 28 on fuse holder C -SC28-		-	not assigned	75x
F29	-	Fuse 29 on fuse holder C -SC29-	10A	-	Airbag control unit -J234-	15a
F30	-	Fuse 30 on fuse holder C -SC30-	7.5A	-	Reversing light switch -F4- , TCS and ESP button -E256- , Front passenger side airbag deactivated warning lamp -K145- , Heater control unit -J65- , High-pressure sender -G65- , Air conditioning system control unit -J301- , Window regulator motor, driver side -V147- , Window regulator motor, front passenger side -V148- , Window regulator motor, rear left -V26- , Window regulator motor, rear right -V27- , Automatic anti-dazzle interior mirror -Y7- , Parking aid control unit -J446-	15a
F31	-	Fuse 31 on fuse holder C -SC31-	7.5A	-	Fuel pump control unit -J538- (for engine identification characters CJZC, CJZD) Cruise control system, control unit for radiator fan -J293- , Relay for windscreen washer pump -J576- , Light switch -E1-	15a
F32	-	Fuse 32 on fuse holder C -SC32-	7.5A	-	16-pin connector -T16b- , at diagnostic connection , headlight range control adjuster -E102- , headlight range control motor, left -V48- , headlight range control motor, right -V49- , headlight dipperflasher switch -E4- , voltage stabiliser -J532-	15a
F33	-	Fuse 33 on fuse holder C -SC33-	7.5A	-	Starter relay 1 -J906- , starter relay 2 -J907- , clutch position sender -G476-	15a
F34	-	Fuse 34 on fuse holder C -SC34-	7.5A	-	Heater element for left spray jet -Z20- , Heater element for right spray jet -Z21-	15a
F35	-	Fuse 35 on fuse holder C -SC35-		-	not assigned	15a
F36	-	Fuse 36 on fuse holder C -SC36-		-	not assigned	15a
F37	-	Fuse 37 on fuse holder C -SC37-	7.5A	-	Clearance control control unit -J428-	15a
F38	-	Fuse 38 on fuse holder C -SC38-		-	not assigned	30a_2
F39	-	Fuse 39 on fuse holder C -SC39-	50A	-	Low heat output relay -J359-	30a_2



No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
F40	-	Fuse 40 on fuse holder C -SC40-		-	not assigned	30a_2
F41	-	Fuse 41 on fuse holder C -SC41-	30A	-	heated rear window -Z1-	30a_2
F42	-	Fuse 42 on fuse holder C -SC42-	25A	-	Window regulator motor, front passenger side -V148-	30a_2
F43	-	Fuse 43 on fuse holder C -SC43-	15A	-	Trailer detector control unit -J345-	30a_2
F44	-	Fuse 44 on fuse holder C -SC44-	15A	-	Socket -U- , Socket -U- , Cigarette lighter -U1- (only for vehicles without 12 V socket in luggage compartment)	30a_2
			20A	-	Cigarette lighter -U1- , 12 V socket -U5- (only for vehicles with 12 V socket in luggage compartment)	
F45	-	Fuse 45 on fuse holder C -SC45-	25A	-	Window regulator motor, rear right -V27-	30a_2
F46	-	Fuse 46 on fuse holder C -SC46-	15A	-	Intermittent wiper switch -E22- , Rear wiper switch -E34- , Intermittent wiper control -E38-	30a_2
F47	-	Fuse 47 on fuse holder C -SC47-	15A	-	Trailer detector control unit -J345-	30a_2
F48	-	Fuse 48 on fuse holder C -SC48-	25A	-	Trailer detector control unit -J345-	30a_2
F49	-	Fuse 49 on fuse holder C -SC49-	15A	-	Fuel pump control unit -J538- (valid for engine identification characters CJZC, CJZD, CZCA)	30a_2
			20A	-	Fuel system pressurisation pump -G6- (valid for engine identification characters CWVA, CWVB, CUSB, CXMA)	
F50	-	Fuse 50 on fuse holder C -SC50-	20A	-	Control unit for IT 1 -J794-	30a_2
F51	-	Fuse 51 on fuse holder C -SC51-	10A	-	Supply for mirror heating	30a_2
F52	-	Fuse 52 on fuse holder C -SC52-	7.5A	-	Entry and start authorisation control unit -J518-	30a_2
F53	-	Fuse 53 on fuse holder C -SC53-	10A	-	Electronic steering column lock control unit -J764-	30a_2
F54	-	Fuse 54 on fuse holder C -SC54-	15A	-	ABS control unit -J104-	30a_2
F55	-	Fuse 55 on fuse holder C -SC55-		-	not assigned	
F56	-	Fuse 56 on fuse holder C -SC56-		-	not assigned	
F57	-	Fuse 57 on fuse holder C -SC57-		-	not assigned	
F58	-	Fuse 58 on fuse holder C -SC58-	10A	-	Heated rear seat control unit -J786-	15a
F59	-	Fuse 59 on fuse holder C -SC59-		-	not assigned	

Fuse colours

50 A - red

40 A - orangegreen

30 A - greenpink

25 A - white

20 A - yellowblue

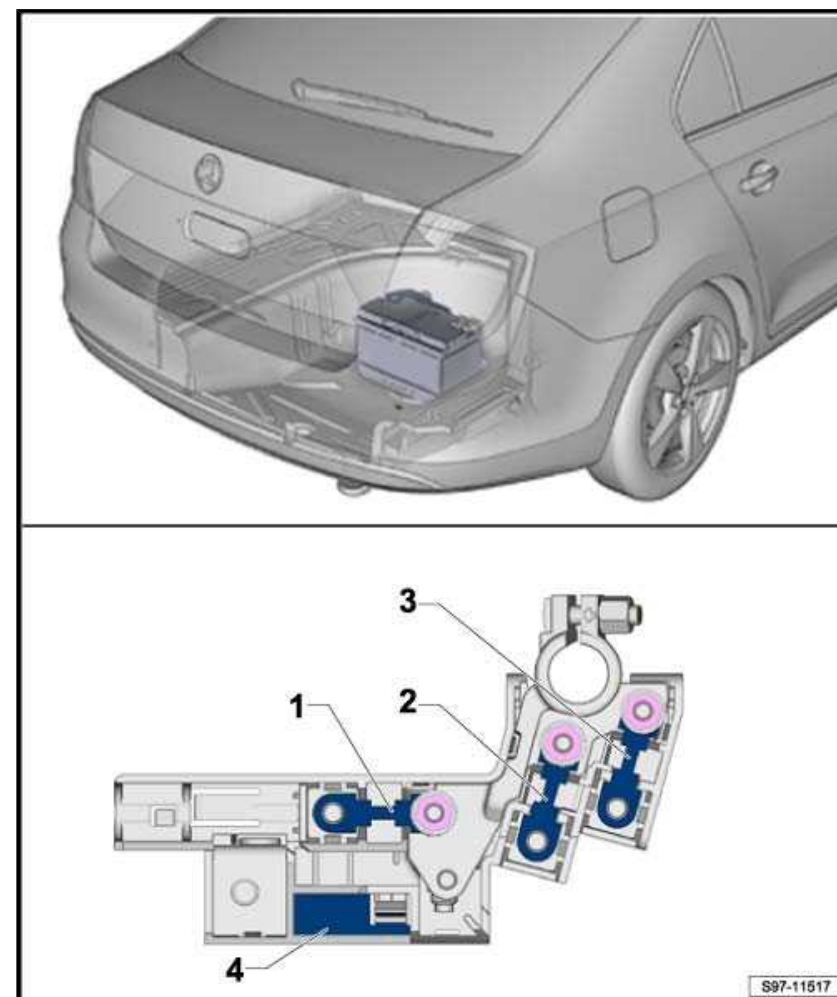
15 A - blue

10 A - red

7.5 A - brown

5 A - beige

1.7 Fitting location of the fuses (SD) on the battery in the luggage compartment



**1.7.1 Fuse assignment**

No.		Designation in the current flow diagram	Nominal value		Functioncomponent	Terminal
1	-	Fuse 1 on fuse holder D -SD1-	110A	-	Voltage supply of the fuses (SC)	
2	-	Fuse 2 on fuse holder D -SD2-	110A	-	Voltage supply of the fuses (SC)	
3	-	Fuse 3 on fuse holder D -SD3-	80A	-	Power steering control unit -J500-	
4	-	Ignition device for battery interruption -N253-				

1 Relay

1.1 Overview of the relay carriers (only for vehicles with left-hand drive)

1 - Relay carrier in the E box

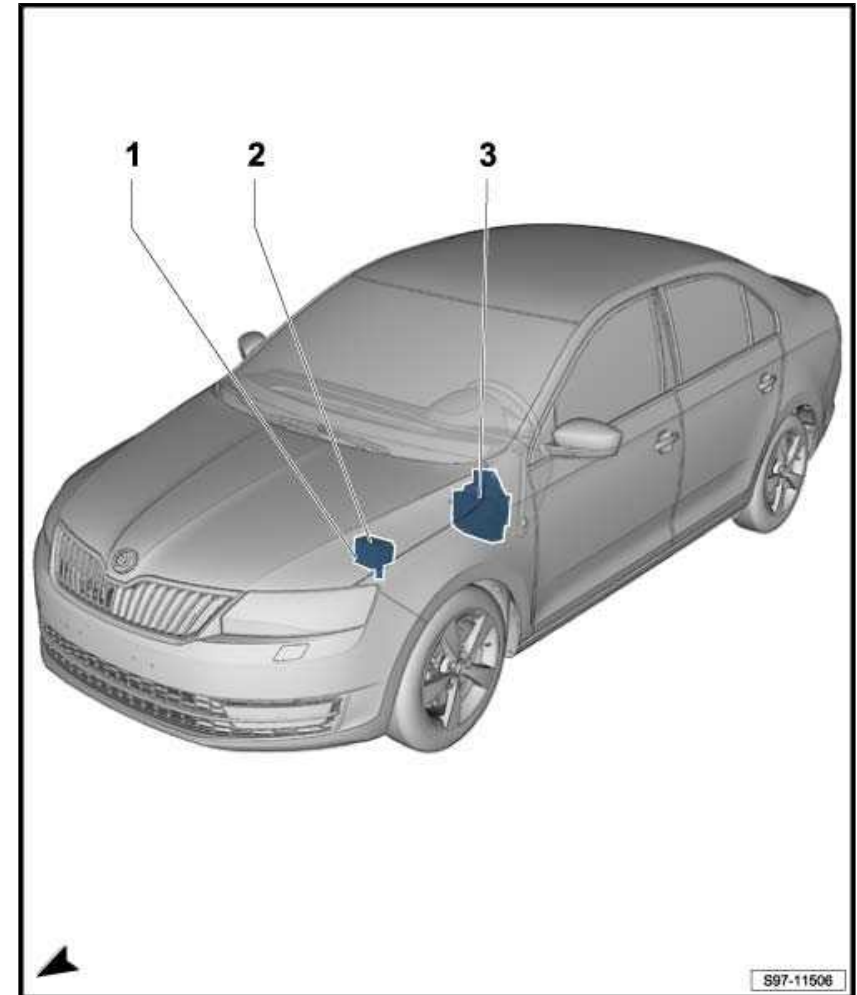
- ☐ in engine compartment, left
- ☐ Relay position assignment ⇒ [page 4](#)

2 - Relay carrier on the E box

- ☐ in engine compartment, left
- ☐ Relay position assignment ⇒ [page 3](#)

3 - Relay carrier at the vehicle voltage control unit holder

- ☐ at the vehicle voltage control unit holder
- ☐ Relay position assignment ⇒ [page 5](#)



1.2 Overview of the relay carriers (only for vehicles with right-hand drive)

1 - Relay carrier at the vehicle voltage control unit holder

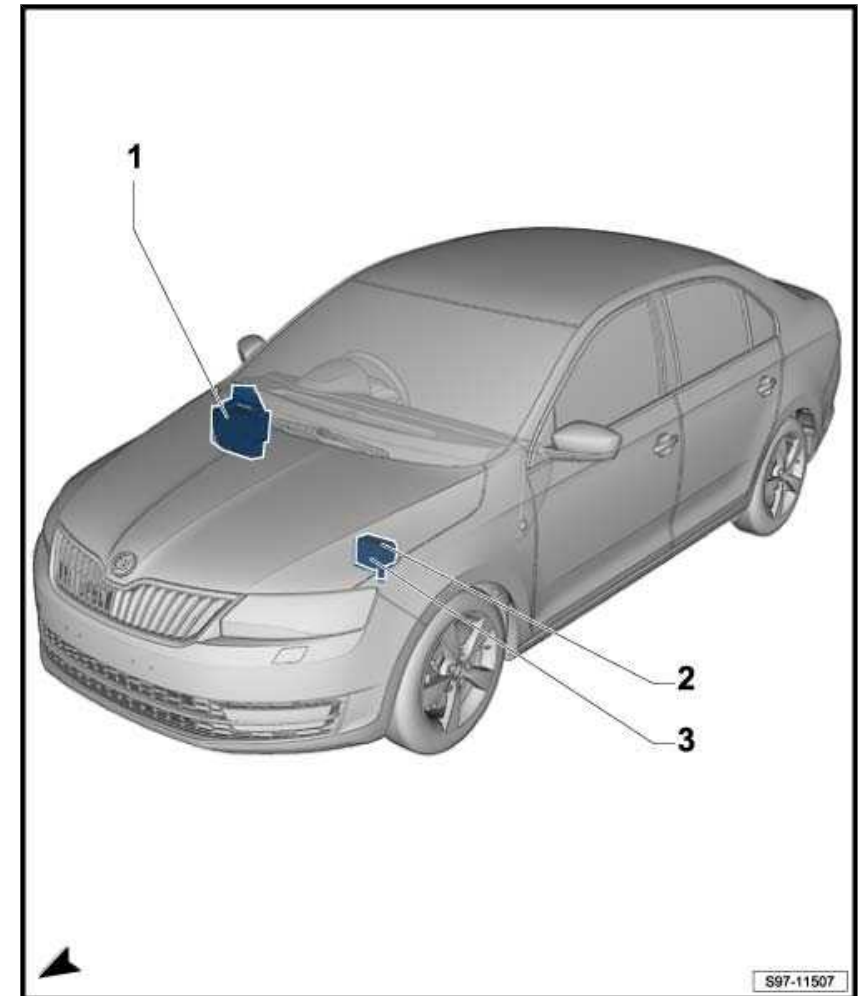
- ☐ at the vehicle voltage control unit holder
- ☐ Relay position assignment → [page 6](#)

2 - Relay carrier on the E box

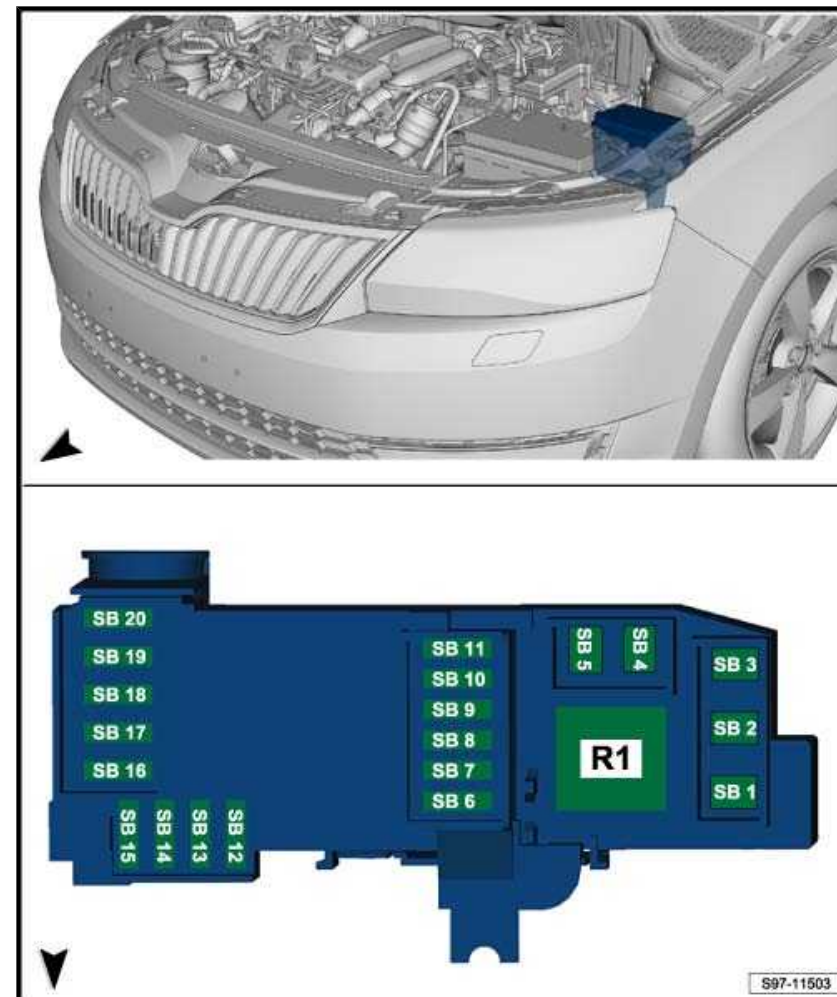
- ☐ in engine compartment, left
- ☐ Relay position assignment → [page 3](#)

3 - Relay carrier in the E box

- ☐ in engine compartment, left
- ☐ Relay position assignment → [page 4](#)

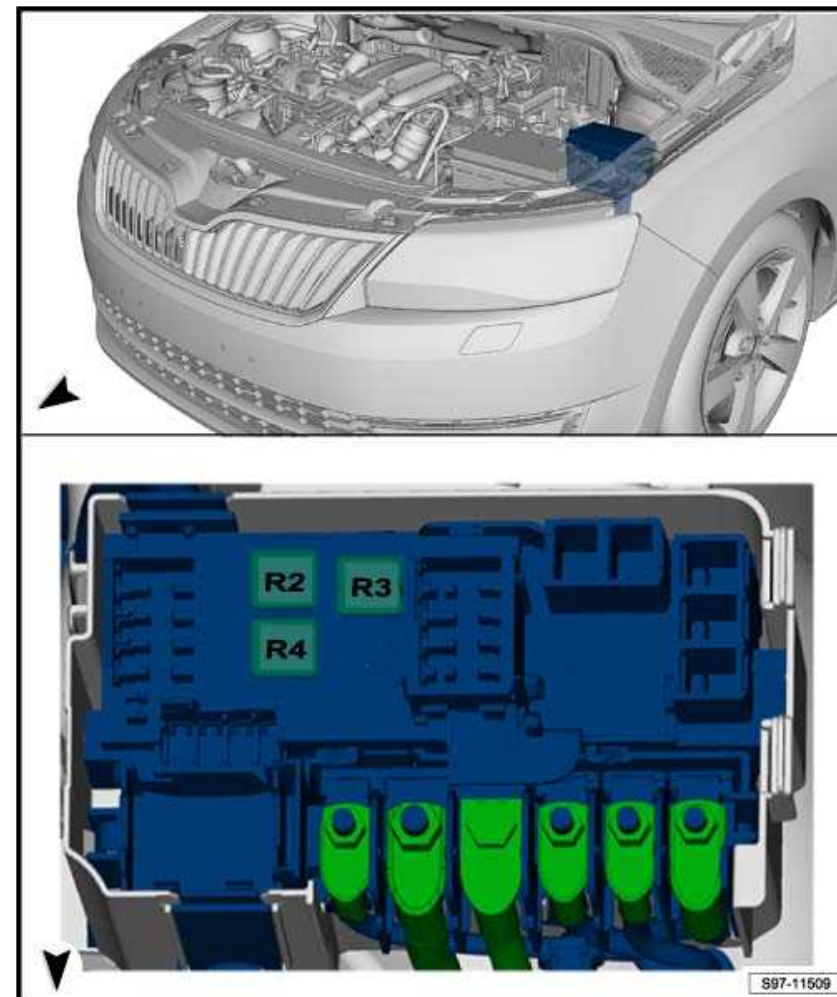


1.3 Relay position assignment in the relay carrier on the E box



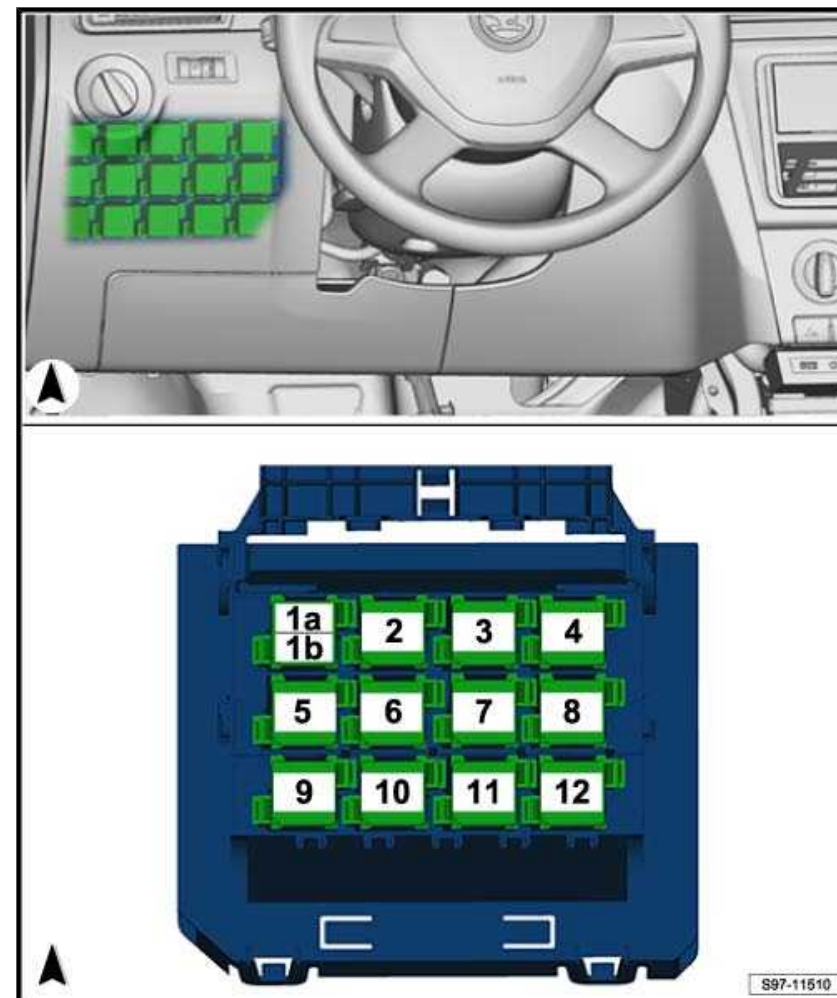
R1 - High heat output relay -J360- (not for vehicles with Russia equipment)
Heated windscreen relay -J47- (only for vehicles with Russia equipment)

1.4 Relay position assignment in the relay carrier in the E box

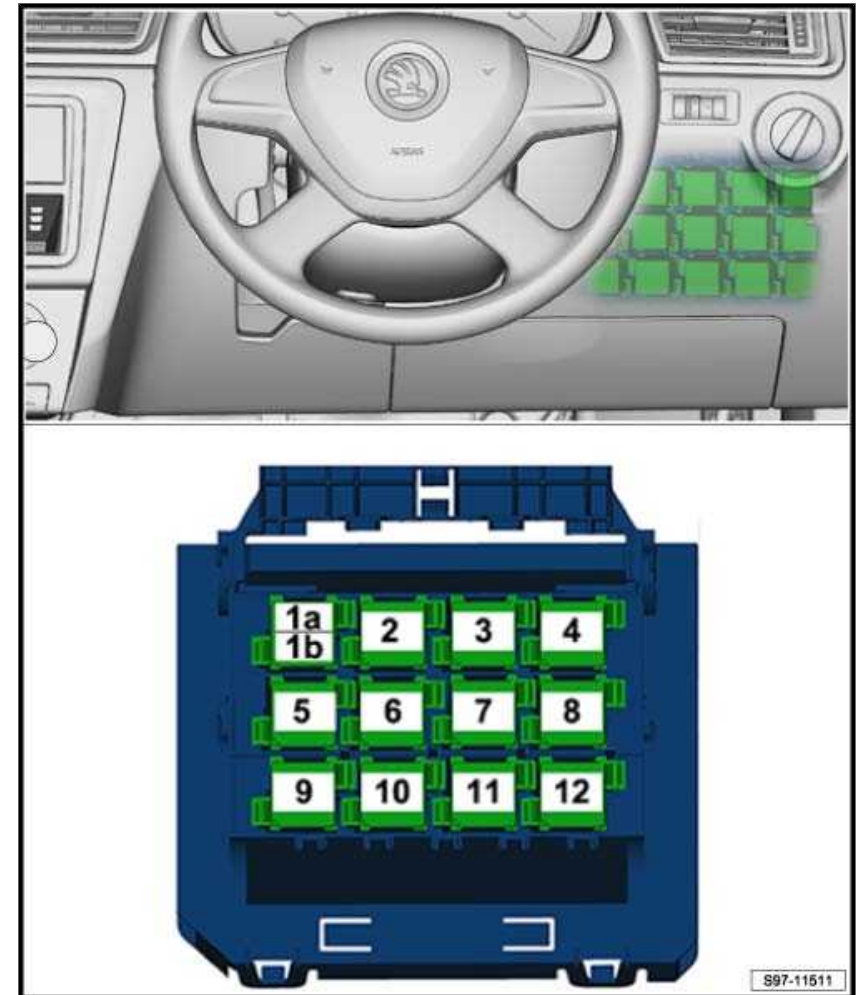


R2	-	Starter relay 1 -J906-
R3	-	Starter relay 2 -J907-
R4	-	Main relay -J271-

1.5 Relay position assignment in the relay carrier below the left dash panel (only for vehicles with left-hand drive)



1.6 Relay position assignment in the relay carrier below the right dash panel (only for vehicles with right-hand drive)



- | | | |
|---|------|--|
| 1 | - 1a | Windscreen washer pump relay -J576- (for vehicles without entry and start authorisation and without heated windscreen) |
| | - 1b | Fuel pump relay -J17- |
| 2 | - | Terminal 15 voltage supply relay -J329- |
| 3 | - | X contact relief relay -J59- |
| 4 | - | not assigned |



5	-	Low heat output relay -J359-
6	-	Headlight washer system relay -J39-
7	-	not assigned
8	-	not assigned
9	-	not assigned
10	-	not assigned
11	-	not assigned
12	-	not assigned

1 Earth points

1.1 Overview of earth points in the front part of the vehicle (only for vehicles with left-hand drive)

1 - Earth point 1 on front right of longitudinal member -685-

❑ Fitting location ⇒ [page 4](#)

2 - Earth point for gearbox and engine earth -652-

❑ Fitting location ⇒ [page 4](#)

3 - Earth point on cylinder head -15-

❑ Fitting location ⇒ [page 4](#)

4 - Earth point 2 on right A-pillar -751-

❑ Fitting location ⇒ [page 4](#)

5 - Earth point on right A-pillar -638-

❑ Fitting location ⇒ [page 5](#)

6 - Earth point at centre front roof -689-

❑ Fitting location ⇒ [page 6](#)

7 - Earth point 1 on the middle tunnel -687-

❑ Fitting location ⇒ [page 6](#)

8 - Earth point on top end of steering column -605-

❑ Fitting location ⇒ [page 5](#)

9 - Earth point on left A-pillar -639-

❑ Fitting location ⇒ [page 5](#)

10 - Earth point 2 on left in engine compartment -640-

❑ Fitting location ⇒ [page 3](#)

11 - Earth point on left in engine compartment -12-

❑ Fitting location ⇒ [page 3](#)

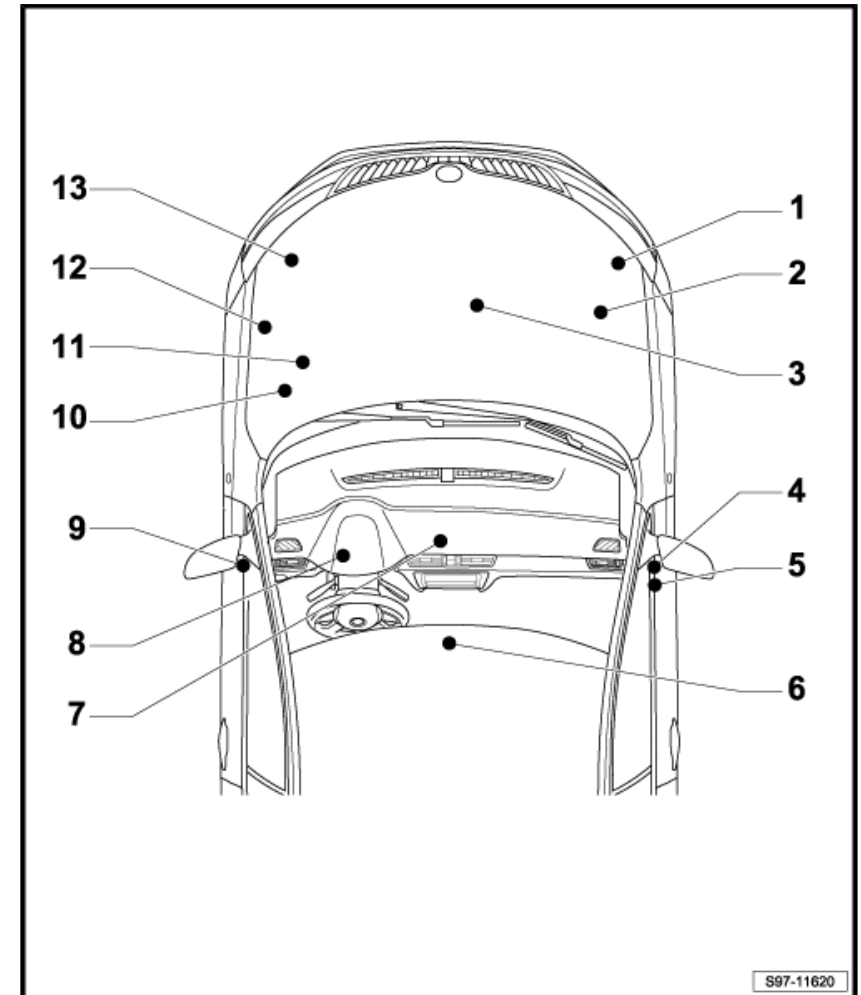
12 - Earth strap, battery - body -1-

not valid for engine identification characters CXMA

❑ Fitting location ⇒ [page 3](#)

13 - Earth point 1 on front left of longitudinal member -671-

❑ Fitting location ⇒ [page 3](#)



1.2 Overview of earth points in the front part of the vehicle (only for vehicles with right-hand drive)

1 - Earth point 1 on front right of longitudinal member -685-

❑ Fitting location ⇒ [page 4](#)

2 - Earth point for gearbox and engine earth -652-

❑ Fitting location ⇒ [page 4](#)

3 - Earth point on cylinder head -15-

❑ Fitting location ⇒ [page 4](#)

4 - Earth point 2 on right A-pillar -751-

❑ Fitting location ⇒ [page 4](#)

5 - Earth point on right A-pillar -638-

❑ Fitting location ⇒ [page 5](#)

6 - Earth point at centre front roof -689-

❑ Fitting location ⇒ [page 6](#)

7 - Earth point on top end of steering column -605-

❑ Fitting location ⇒ [page 5](#)

8 - Earth point on left A-pillar -639-

❑ Fitting location ⇒ [page 5](#)

9 - Earth point 1 on the middle tunnel -687-

❑ Fitting location ⇒ [page 6](#)

10 - Earth point 2 on left in engine compartment -640-

❑ Fitting location ⇒ [page 3](#)

11 - Earth point on left in engine compartment -12-

❑ Fitting location ⇒ [page 3](#)

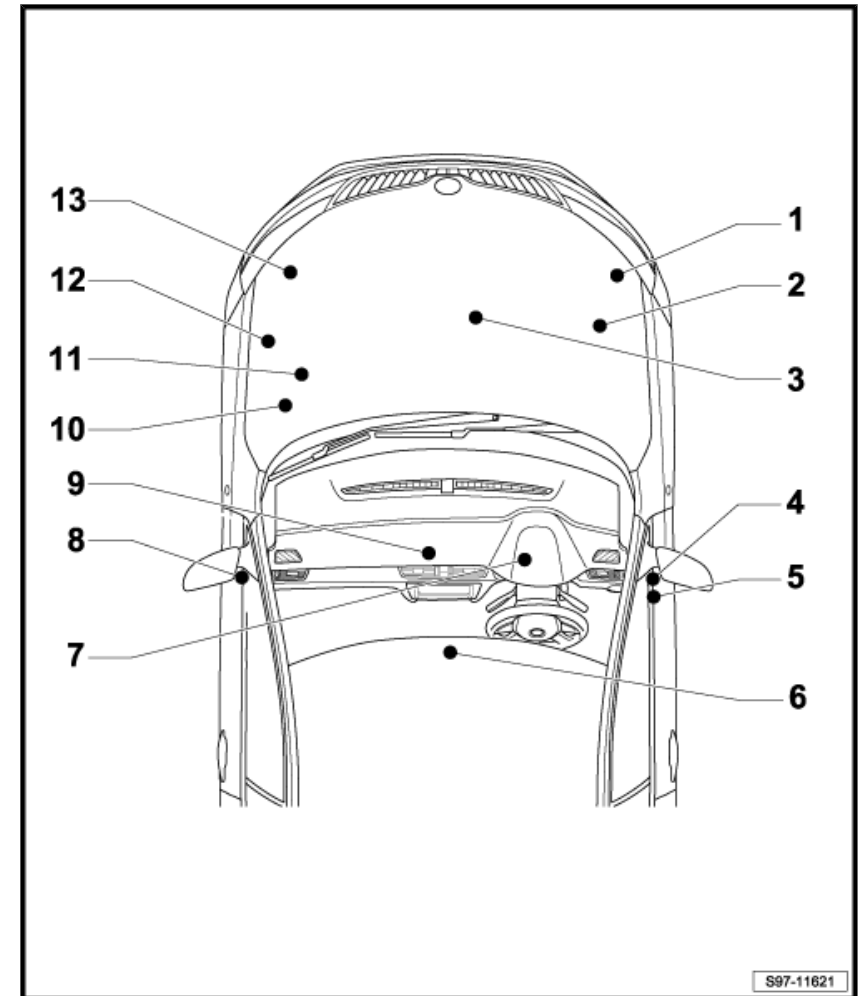
12 - Earth strap, battery - body -1-

not valid for engine identification characters CXMA

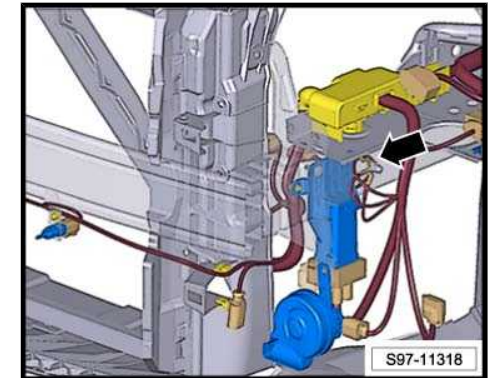
❑ Fitting location ⇒ [page 3](#)

13 - Earth point 1 on front left of longitudinal member -671-

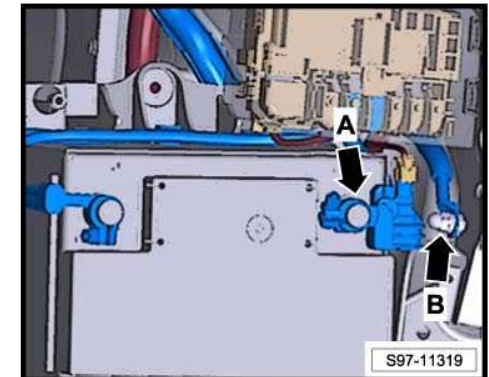
❑ Fitting location ⇒ [page 3](#)



671 - Earth point 1 on front left of longitudinal member -arrow-
Tightening torque 9 Nm

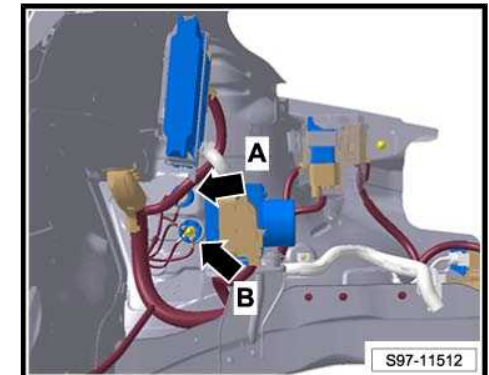


Negative terminal of battery -arrow A-
Tightening torque 6 Nm



1 - Earth strap, battery - body -arrow B- (not valid for engine
identification characters CXMA)
Tightening torque 20 Nm

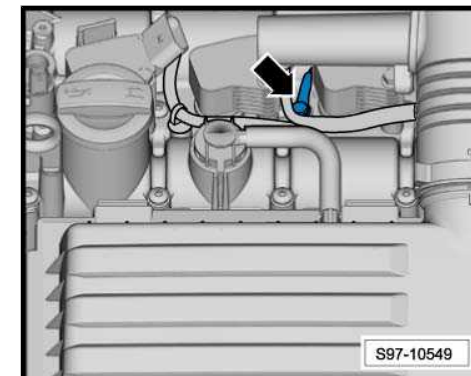
12 - Earth point on left in engine compartment -arrow B-
Tightening torque 9 Nm



640 - Earth point 2 on left in engine compartment -arrow A-
Tightening torque 9 Nm

15 - Earth point on cylinder head -arrow-

Tightening torque 9 Nm

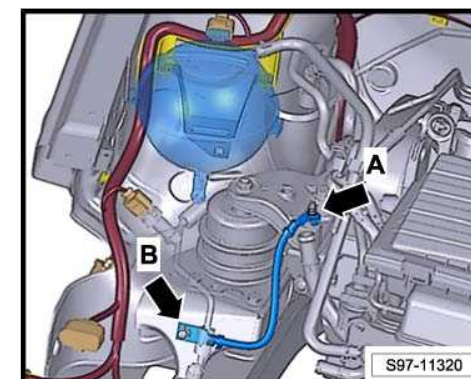


652 - Earth point for gearbox and engine earth -arrow A-

Tightening torque 20 Nm

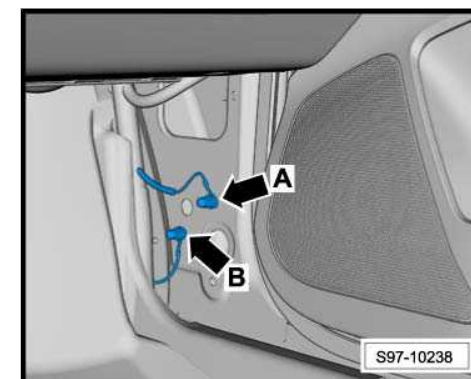
685 - Earth point 1 on front right of longitudinal member -arrow B-

Tightening torque 20 Nm

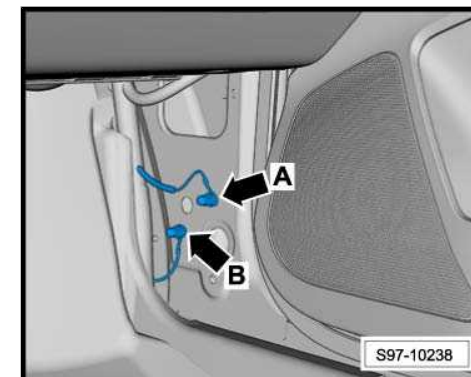


751 - Earth point 2 on right A-pillar -arrow B-

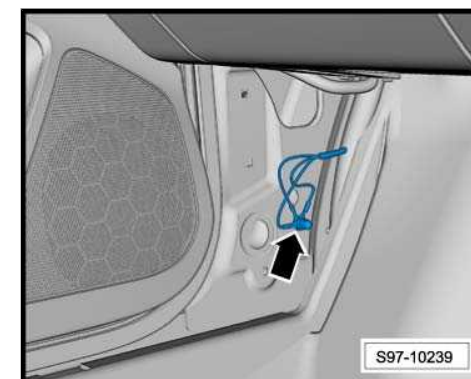
Tightening torque 9 Nm



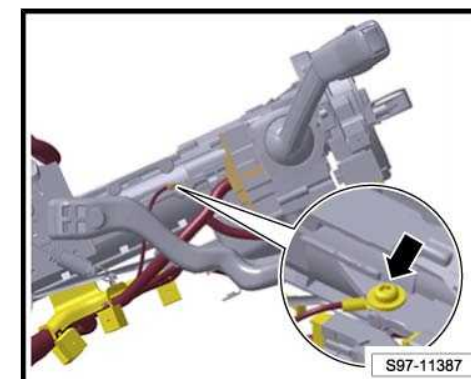
638 - Earth point on right A-pillar -arrow A-
Tightening torque 9 Nm



639 - Earth point on left A-pillar -arrow-
Tightening torque 9 Nm

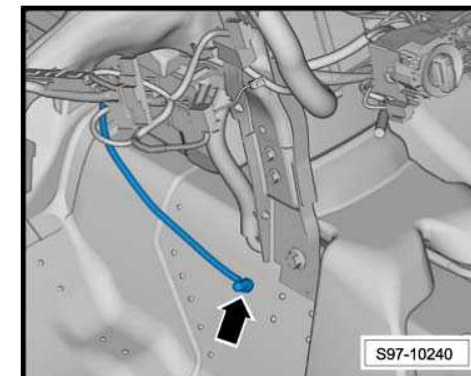


605 - Earth point on top end of steering column -arrow-
Tightening torque 4 Nm



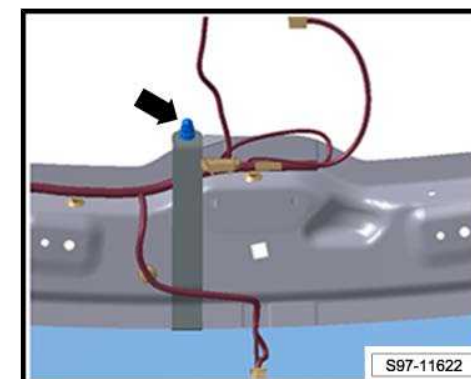
687 - Earth point 1 on the middle tunnel -arrow-

Tightening torque 9 Nm



689 - Earth point at centre front roof -arrow-

Tightening torque 9 Nm



1.3 Overview of earth points in the rear part of the vehicle (Rapid NH)

1 - Earth point in luggage compartment, right -51-

☐ Fitting location ⇒ [page 8](#)

2 - Earth strap, battery - body -1-

applies to engine identification characters CXMA

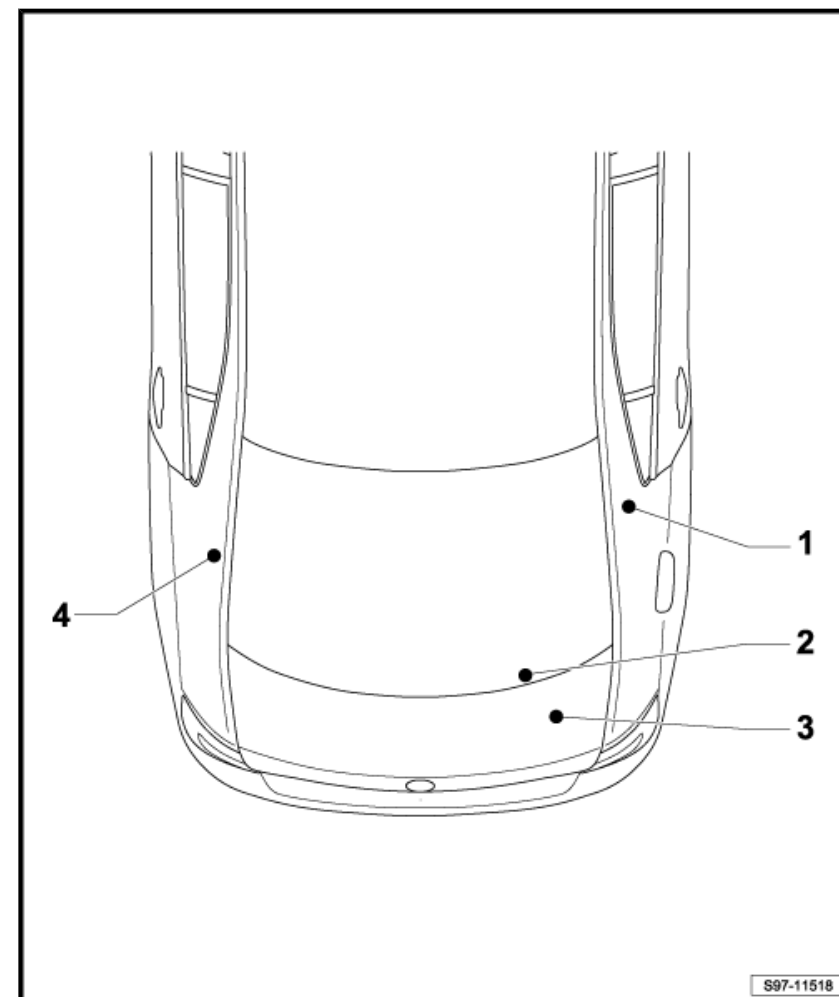
☐ Fitting location ⇒ [page 8](#)

3 - Earth point, in rear lid, right -53-

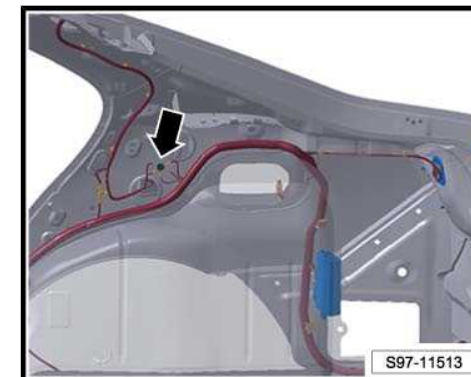
☐ Fitting location ⇒ [page 8](#)

4 - Earth point in luggage compartment, left -50-

☐ Fitting location ⇒ [page 9](#)

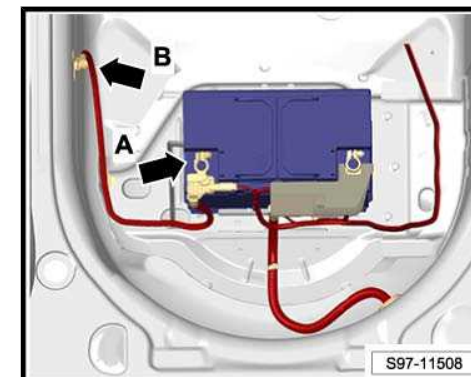


51 - Earth point in luggage compartment, right -arrow-
Tightening torque 9 Nm

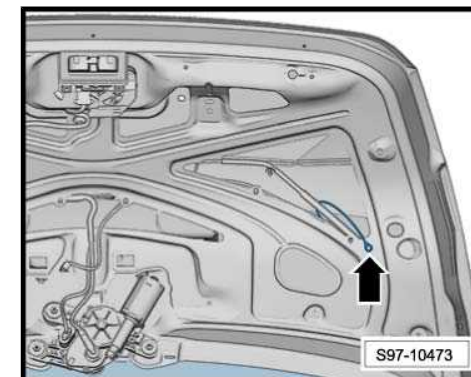


Negative terminal of battery -arrow A-
Tightening torque 6 Nm

1 - Earth strap, battery - body -arrow B- (applies to engine
identification characters CXMA)
Tightening torque 20 Nm

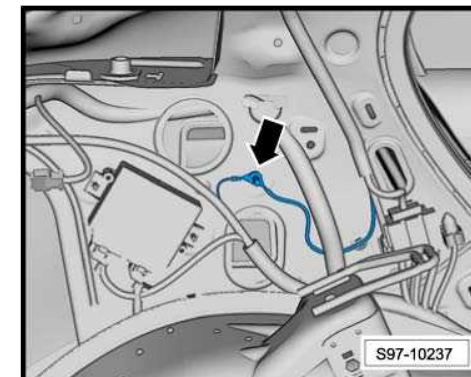


53 - Earth point, in rear lid, right -arrow-
Tightening torque 2 Nm



50 - Earth point in luggage compartment, left -arrow-

Tightening torque 9 Nm



1.4 Overview of earth points in the rear part of the vehicle (Rapid NH Spaceback)

1 - Earth point in luggage compartment, right -51-

❑ Fitting location ⇒ [page 11](#)

2 - Earth point on right D-pillar -654-

❑ Fitting location ⇒ [page 11](#)

3 - Earth strap, battery - body -1-

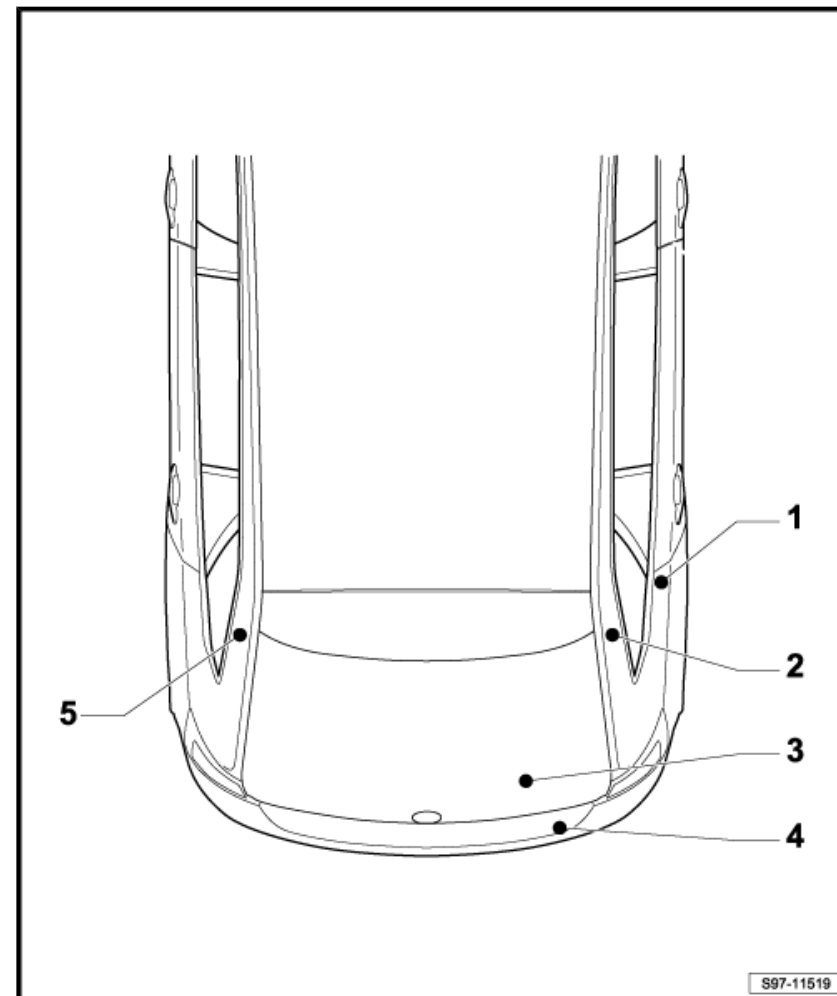
❑ Fitting location ⇒ [page 11](#)

4 - Earth point, in rear lid, right -53-

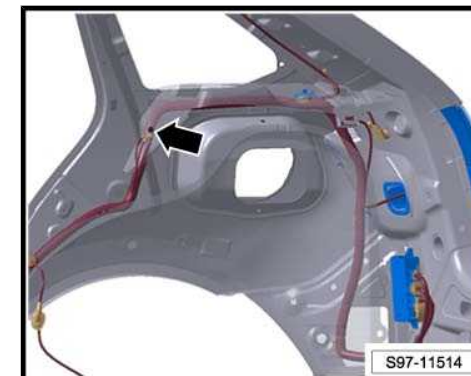
❑ Fitting location ⇒ [page 12](#)

5 - Earth point on left D-pillar -653-

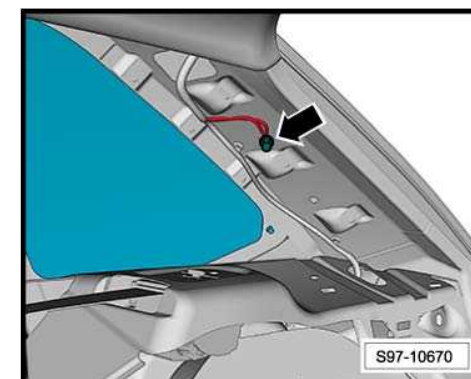
❑ Fitting location ⇒ [page 12](#)



51 - Earth point in luggage compartment, right -arrow-
Tightening torque 9 Nm

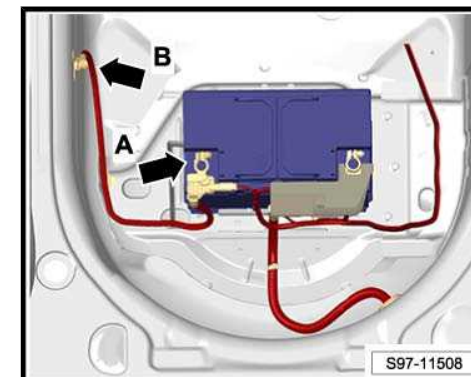


654 - Earth point on right D-pillar -arrow-
Tightening torque 9 Nm



Negative terminal of battery -arrow A-
Tightening torque 6 Nm

1 - Earth strap, battery - body -arrow B-
Tightening torque 20 Nm



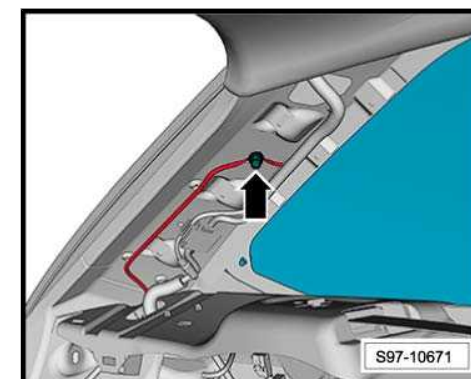
53 - Earth point, in rear lid, right -arrow-

Tightening torque 2 Nm



653 - Earth point on left D-pillar -arrow-

Tightening torque 9 Nm



1 Control units in the front part of the vehicle

1.1 Overview of the control units (only for vehicles with left-hand drive)

1 - Display unit for control unit of the display and operating unit, front information -J685- Multimedia system operating unit -E380-

- ☐ for MIB Standard
- ☐ Fitting location [⇒ page 7](#)

2 - Ignition starter switch -D-

- ☐ Pin assignment [⇒ page 13](#)

3 - Multi-function steering wheel control unit -J453-

- ☐ Fitting location [⇒ page 14](#)

4 - Coil -F350-

- ☐ Pin assignment [⇒ page 14](#)

5 - Steering column combination switch -E595-

- ☐ Pin assignment [⇒ page 16](#)

6 - Headlight range control adjuster -E102-

- ☐ Fitting location [⇒ page 17](#)

7 - Light switch -E1-

- ☐ Fitting location [⇒ page 18](#)
- ☐ Pin assignment [⇒ page 18](#)

8 - Electronic steering column lock control unit -J764-

- ☐ Fitting location [⇒ page 20](#)

9 - Onboard control unit -J519- Data bus diagnostic interface -J533-

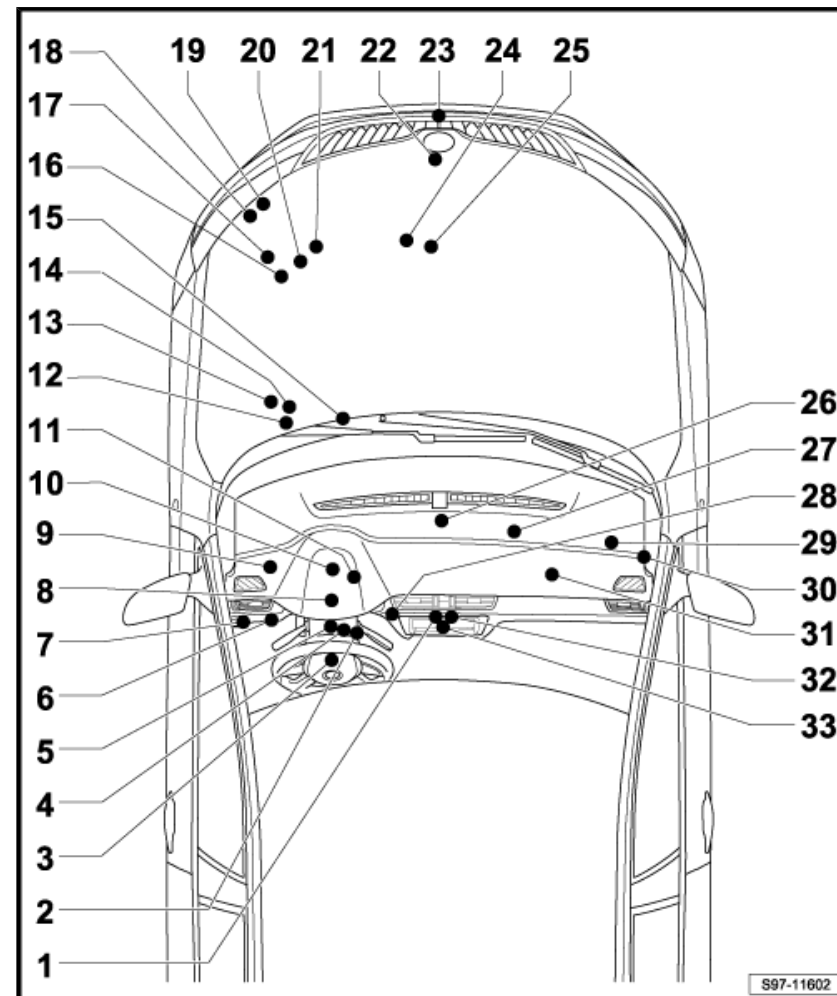
- ☐ Fitting location [⇒ page 25](#)
- ☐ Fuse assignment as of May 2015 [⇒ page 26](#)
- ☐ Fuse assignment as of May 2016 [⇒ page 33](#)

10 - Control unit in dash panel insert -J285- Immobilizer control unit -J362-

- ☐ Pin assignment as of May 2015 [⇒ page 22](#)
- ☐ Fuse assignment as of May 2016 [⇒ page 23](#)

11 - Power steering control unit -J500-

- ☐ electromechanical power steering



- ☐ Fitting location ⇒ [page 46](#)
- 12 - Engine control unit -J623-**
 - ☐ Fitting location ⇒ [page 40](#)
- 13 - Automatic gearbox control unit -J217-**
 - ☐ Fitting location ⇒ [page 42](#)
- 14 - Windscreen wiper motor -V-**
 - ☐ Fitting location ⇒ [page 43](#)
 - ☐ Pin assignment ⇒ [page 43](#)
- 15 - ABS control unit -J104-**
 - ☐ Fitting location ⇒ [page 55](#)
- 16 - Battery monitor control unit -J367-**
 - ☐ Fitting location ⇒ [page 45](#)
- 17 - Radiator fan control unit -J293-**
 - ☐ Fitting location (not valid for engine identification characters CXMA) ⇒ [page 47](#)
 - ☐ Pin assignment (not valid for engine identification characters CXMA) ⇒ [page 47](#)
- 18 - Low tone horn -H7-**
 - ☐ Fitting location ⇒ [page 50](#)
- 19 - High tone horn -H2-**
 - ☐ Fitting location ⇒ [page 50](#)
- 20 - Automatic glow period control unit -J179-**
 - ☐ Fitting location ⇒ [page 51](#)
- 21 - Double clutch gearbox mechatronics -J743-**
 - ☐ Fitting location ⇒ [page 51](#)
 - ☐ Pin assignment ⇒ [page 52](#)
- 22 - Radiator fan control unit -J293-**
 - ☐ Pin assignment (applies to engine identification characters CXMA) ⇒ [page 49](#)
- 23 - Control unit for clearance control -J428-**
 - ☐ Fitting location ⇒ [page 8](#)
- 24 - Lambda probe after catalytic converter -G130-**
 - ☐ Fitting location ⇒ [page 52](#)
 - ☐ Pin assignment ⇒ [page 53](#)
- 25 - Lambda probe -G39-**
 - ☐ Fitting location ⇒ [page 54](#)



- ☐ Pin assignment ⇒ [page 54](#)

26 - Airbag control unit -J234-

- ☐ Fitting location ⇒ [page 57](#)
- ☐ Pin assignment ⇒ [page 57](#)

27 - Fresh air blower control unit -J126-

28 - Heated front seat control unit -J774-

- ☐ Fitting location ⇒ [page 59](#)

29 - Control unit for cornering light and headlight range control -J745-

- ☐ Fitting location ⇒ [page 11](#)

30 - Entry and start authorisation control unit - J518-

- ☐ Fitting location ⇒ [page 9](#)

31 - Control unit for IT 1 -J794-

- ☐ for MIB Standard

32 - Heater control unit -J65- Air conditioning system control unit -J301- Climatronic control unit -J255-

- ☐ Pin assignment Heater control unit -J65- ⇒ [page 59](#)
- ☐ Pin assignment Air conditioning system control unit -J301- ⇒ [page 61](#)
- ☐ Pin assignment Climatronic control unit -J255- ⇒ [page 62](#)

33 - Control unit for IT 1 -J794- Display unit for control unit of the display and operating unit, front information -J685-

- ☐ for MIB Basic, Entry

1.2 Overview of the control units (only for vehicles with right-hand drive)

1 - Heater control unit -J65- Air conditioning system control unit -J301- Climatronic control unit -J255-

- ☐ Pin assignment Heater control unit -J65- ⇒ [page 59](#)
- ☐ Pin assignment Air conditioning system control unit -J301- ⇒ [page 61](#)
- ☐ Pin assignment Climatronic control unit -J255- ⇒ [page 62](#)

2 - Display unit for control unit of the display and operating unit, front information -J685- Multimedia system operating unit -E380-

- ☐ for MIB Standard
- ☐ Fitting location ⇒ [page 7](#)

3 - Control unit for IT 1 -J794-

- ☐ for MIB Standard

4 - Fresh air blower control unit -J126-

5 - Control unit for cornering light and headlight range control -J745-

- ☐ Fitting location ⇒ [page 12](#)

6 - Entry and start authorisation control unit - J518-

- ☐ Fitting location ⇒ [page 10](#)

7 - ABS control unit -J104-

- ☐ Fitting location ⇒ [page 55](#)

8 - Engine control unit -J623-

- ☐ Fitting location ⇒ [page 40](#)

9 - Automatic gearbox control unit -J217-

- ☐ Fitting location ⇒ [page 42](#)

10 - Battery monitor control unit -J367-

- ☐ Fitting location ⇒ [page 45](#)

11 - Radiator fan control unit -J293-

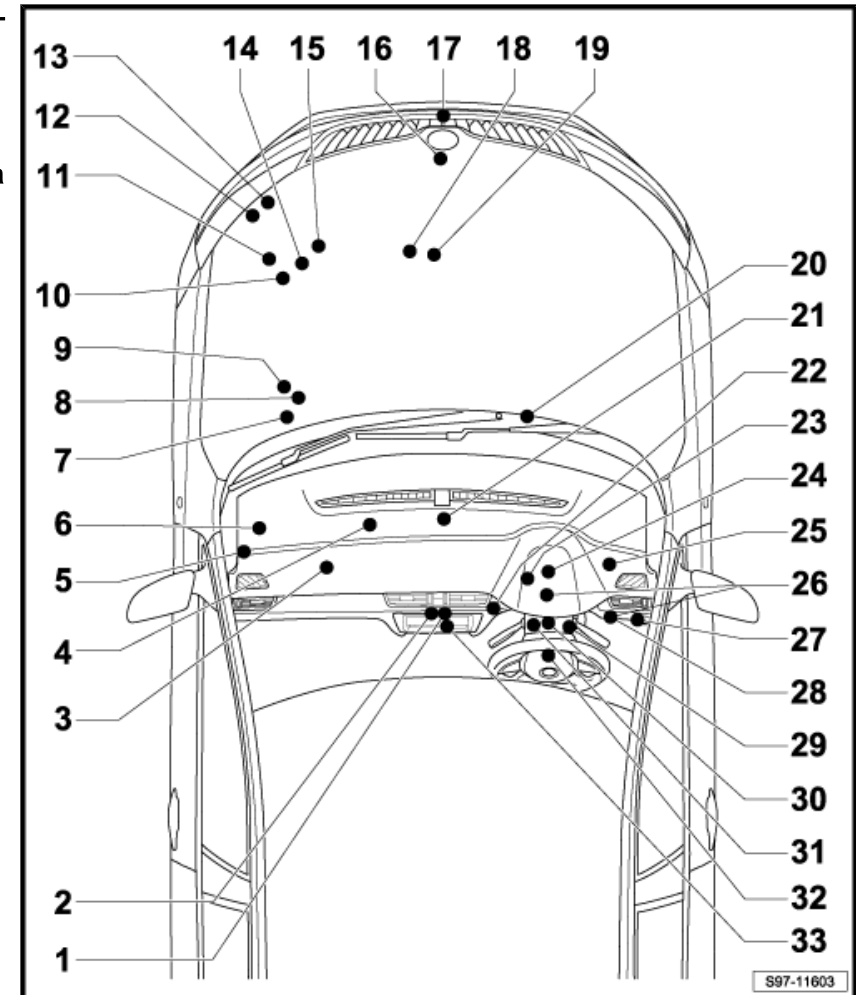
- ☐ Fitting location (not valid for engine identification characters CXMA) ⇒ [page 47](#)
- ☐ Pin assignment (not valid for engine identification characters CXMA) ⇒ [page 47](#)

12 - Low tone horn -H7-

- ☐ Fitting location ⇒ [page 50](#)

13 - High tone horn -H2-

- ☐ Fitting location ⇒ [page 50](#)



14 - Automatic glow period control unit -J179-

- ☐ Fitting location ⇒ [page 51](#)

15 - Double clutch gearbox mechatronics -J743-

- ☐ Fitting location ⇒ [page 51](#)
- ☐ Pin assignment ⇒ [page 52](#)

16 - Radiator fan control unit -J293-

- ☐ Pin assignment (applies to engine identification characters CXMA) ⇒ [page 49](#)

17 - Control unit for clearance control -J428-

- ☐ Fitting location ⇒ [page 8](#)

18 - Lambda probe after catalytic converter -G130-

- ☐ Fitting location ⇒ [page 52](#)
- ☐ Pin assignment ⇒ [page 53](#)

19 - Lambda probe -G39-

- ☐ Fitting location ⇒ [page 54](#)
- ☐ Pin assignment ⇒ [page 54](#)

20 - Windscreen wiper motor -V-

- ☐ Fitting location ⇒ [page 43](#)
- ☐ Pin assignment ⇒ [page 43](#)

21 - Airbag control unit -J234-

- ☐ Fitting location ⇒ [page 57](#)
- ☐ Pin assignment ⇒ [page 57](#)

22 - Power steering control unit -J500-

- ☐ electromechanical power steering
- ☐ Fitting location ⇒ [page 46](#)

23 - Heated front seat control unit -J774-

- ☐ Fitting location ⇒ [page 59](#)

24 - Control unit in dash panel insert -J285- Immobilizer control unit -J362-

- ☐ Pin assignment as of May 2015 ⇒ [page 22](#)
- ☐ Fuse assignment as of May 2016 ⇒ [page 23](#)

25 - Onboard control unit -J519- Data bus diagnostic interface -J533-

- ☐ Fitting location ⇒ [page 26](#)
- ☐ Fuse assignment as of May 2015 ⇒ [page 26](#)
- ☐ Fuse assignment as of May 2016 ⇒ [page 33](#)

**26 - Electronic steering column lock control unit -J764-**

- ☐ Fitting location ⇒ [page 21](#)

27 - Light switch -E1-

- ☐ Fitting location ⇒ [page 18](#)
- ☐ Pin assignment ⇒ [page 18](#)

28 - Headlight range control adjuster -E102-

- ☐ Fitting location ⇒ [page 17](#)

29 - Ignition starter switch -D-

- ☐ Pin assignment ⇒ [page 13](#)

30 - Steering column combination switch -E595-

- ☐ Pin assignment ⇒ [page 16](#)

31 - Coil -F350-

- ☐ Pin assignment ⇒ [page 14](#)

32 - Multi-function steering wheel control unit -J453-

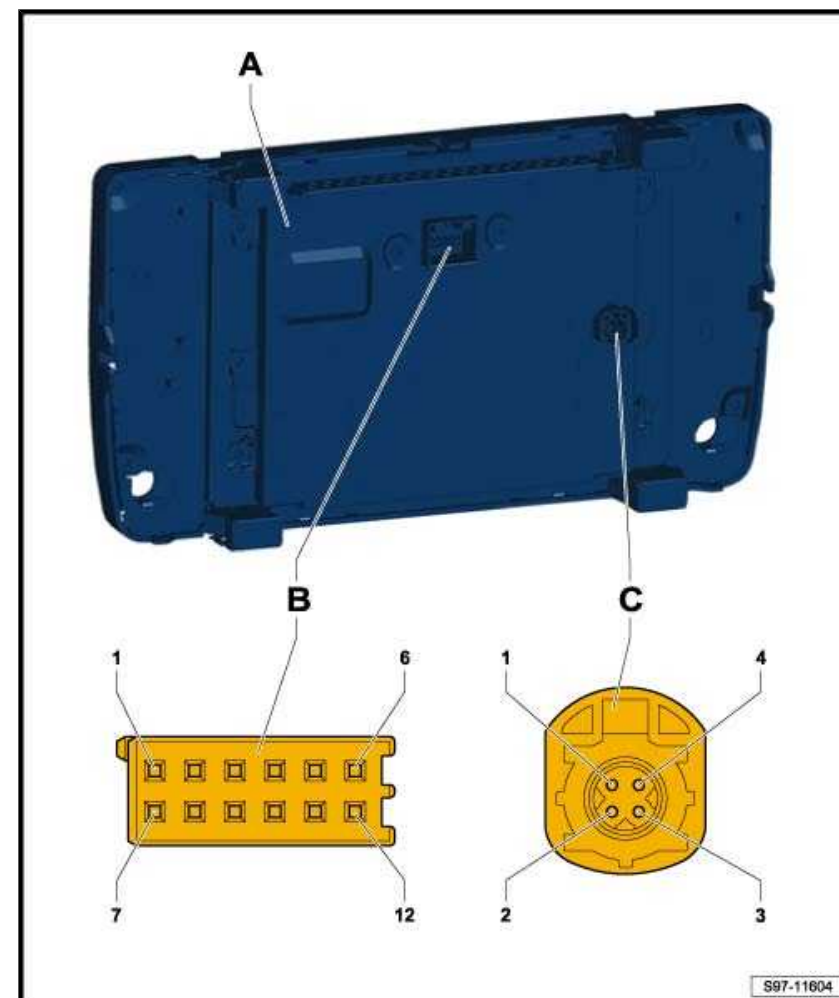
- ☐ Fitting location ⇒ [page 14](#)

33 - Control unit for IT 1 -J794- Display unit for control unit of the display and operating unit, front information -J685-

- ☐ for MIB Basic, Entry

1.3 Control unit for IT 1 -J794- operating unit for multimedia system -E380-

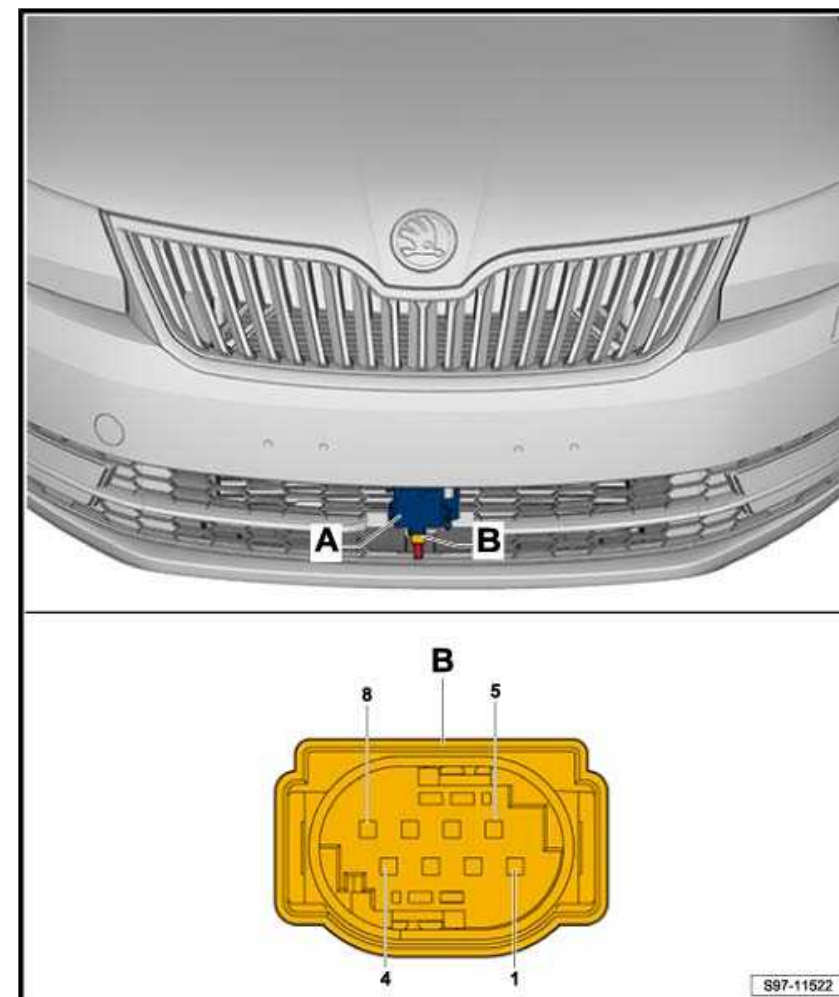
1.3.1 Fitting location



- A - Control unit for IT 1 -J794- operating unit for multimedia system -E380-
- B - 12-pin connector, at wiring harness - T12f
- C - 5-pin connector, at wiring harness - T5I

1.4 Control unit for clearance control -J428-

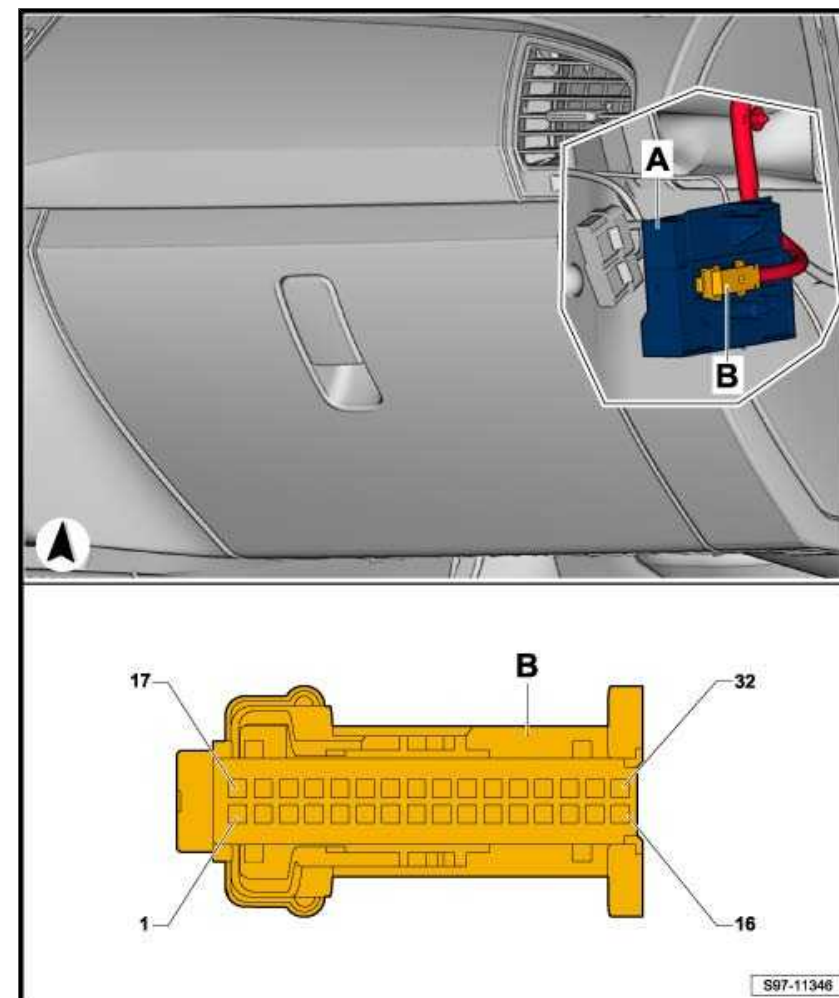
1.4.1 Fitting location



- A - Control unit for clearance control -J428-
- B - 8-pin connector, at wiring harness - T8I

1.5 Entry and start authorisation control unit - J518-

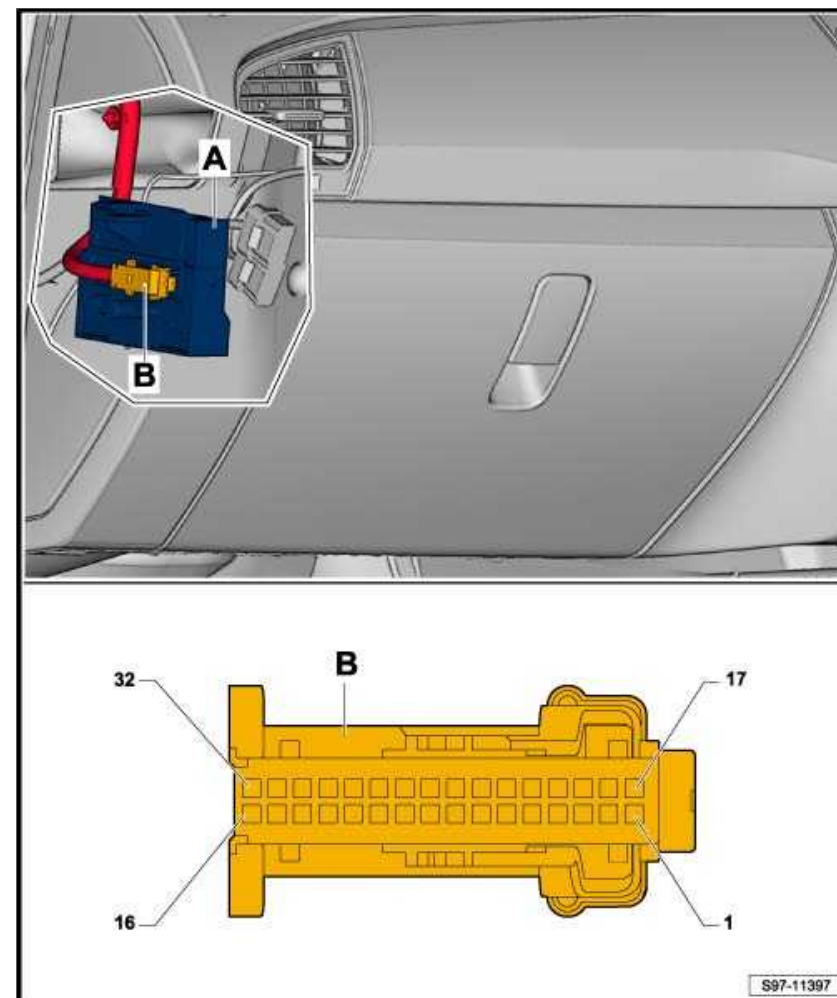
1.5.1 Fitting location (only for left-hand drive vehicles)



A - Entry and start authorisation control unit - J518-

B - 32-pin connector, at wiring harness - T32b

1.5.2 Fitting location (only for right-hand drive vehicles)

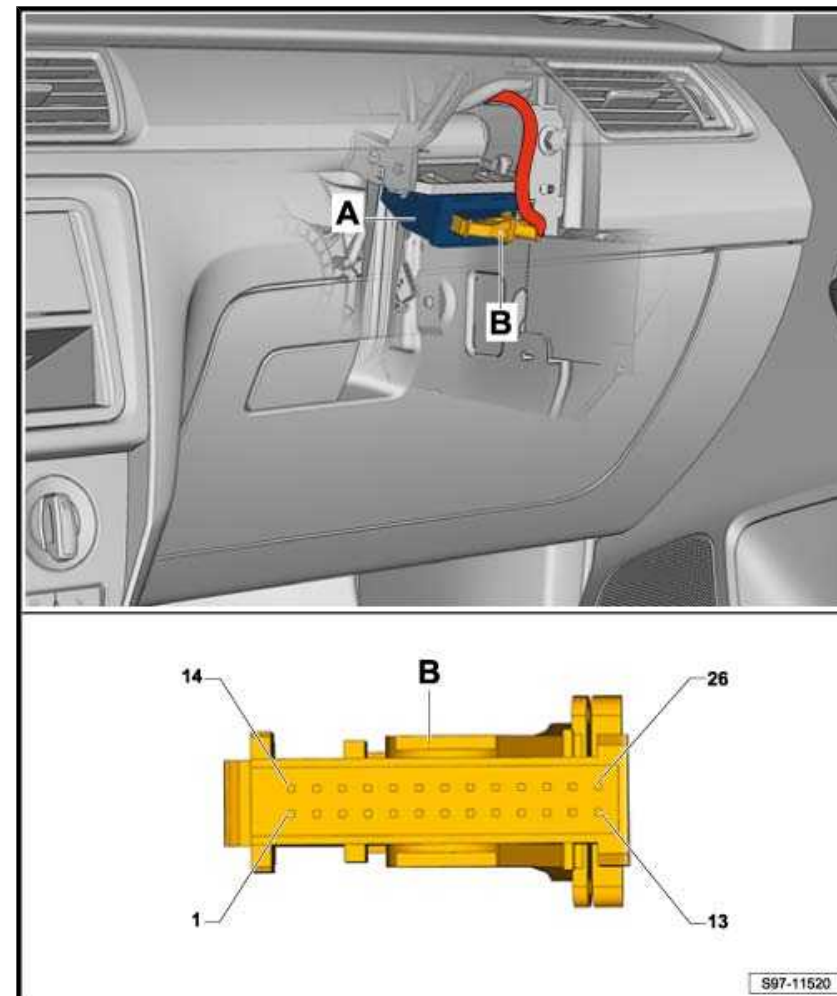


A - Entry and start authorisation control unit - J518-

B - 32-pin connector, at wiring harness - T32b

1.6 Control unit for cornering light and headlight range control -J745-

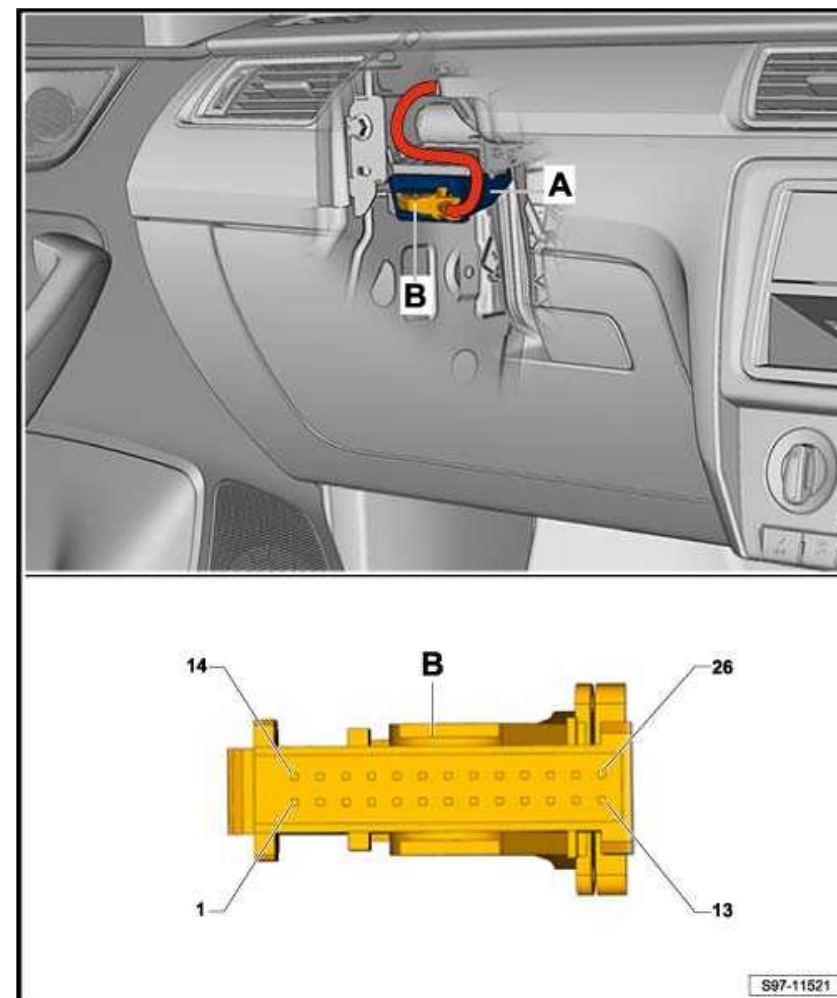
1.6.1 Fitting location (only for left-hand drive vehicles)



A - Control unit for cornering light and headlight range control -J745-

B - 26-pin connector, at wiring harness - T26

1.6.2 Fitting location (only for right-hand drive vehicles)



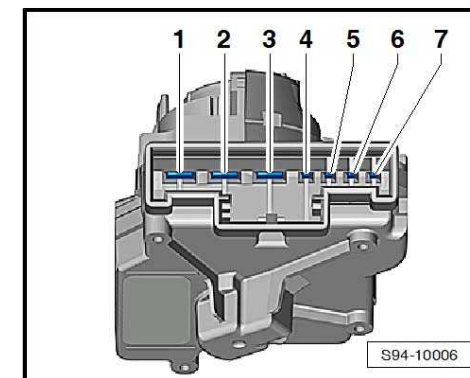
A - Control unit for cornering light and headlight range control -J745-

B - 26-pin connector, at wiring harness - T26

1.7 Ignition starter switch -D-

1.7.1 Pin assignment

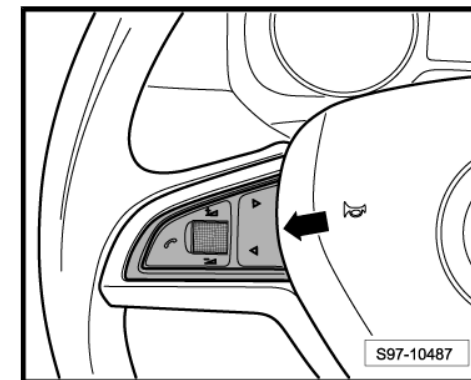
1	-	T7a15
2	-	T7a30
3	-	T7a50
4	-	T7aP
5	-	T7a86s
6	-	T7a75
7	-	T7a30



1.8 Multi-function steering wheel control unit -J453-

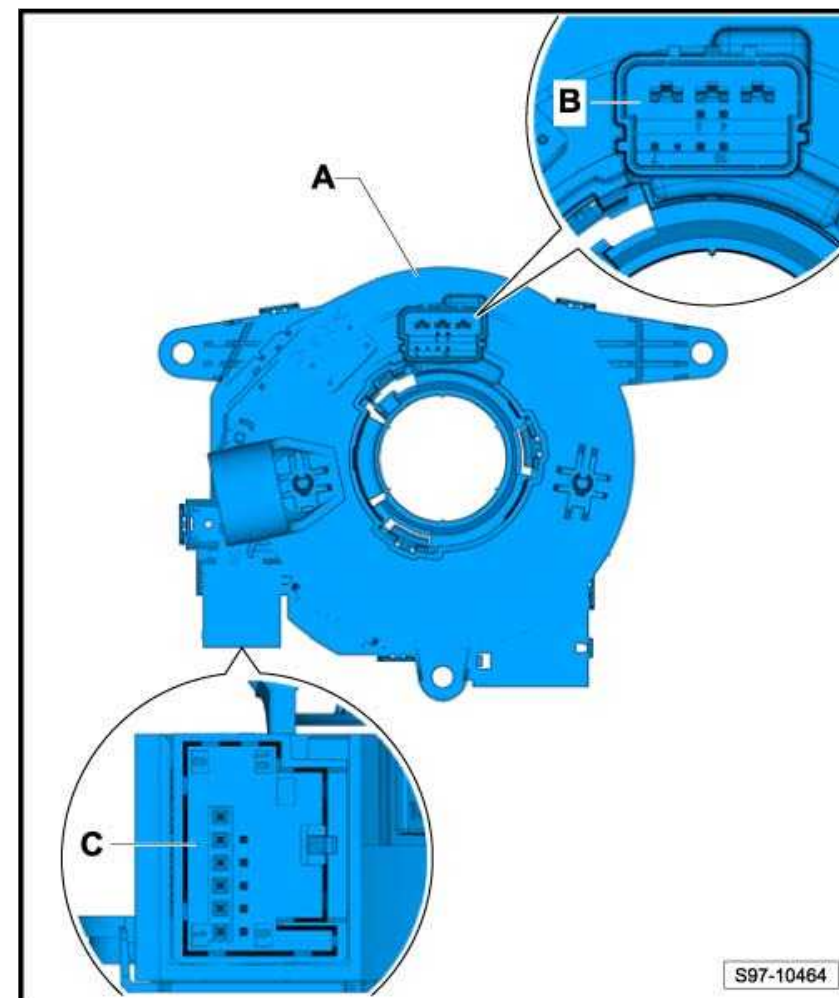
1.8.1 Fitting location

In multi-function steering wheel -arrow-.



1.9 Coil -F350-

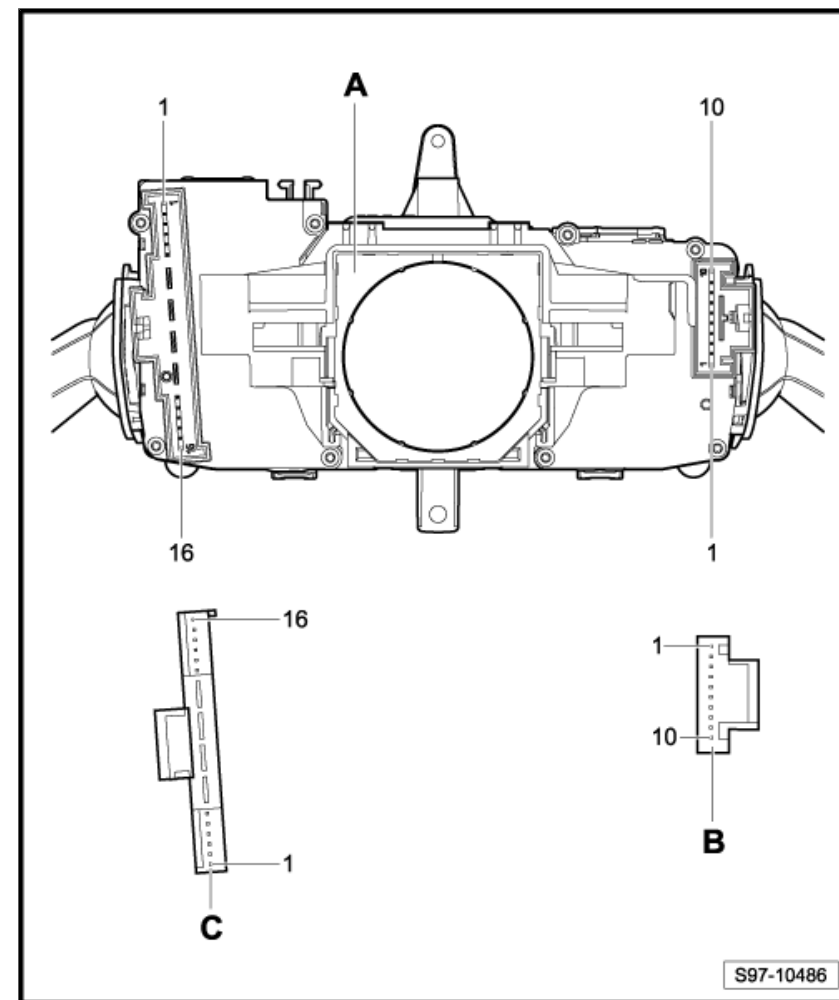
1.9.1 Pin assignment



- A - Coil -F350-
- B - 12-pin connector, at wiring harness - T12a
- C - 16-pin connector, at wiring harness - T16a

1.10 Steering column combination switch -E595-

1.10.1 Pin assignment



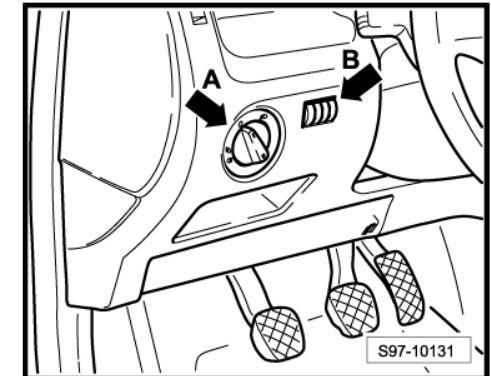
A - Steering column combination switch -E595-

- B - 10-pin connector, at wiring harness - T10a
- C - 16-pin connector, at wiring harness - T16c

1.11 Headlight range control adjuster -E102-

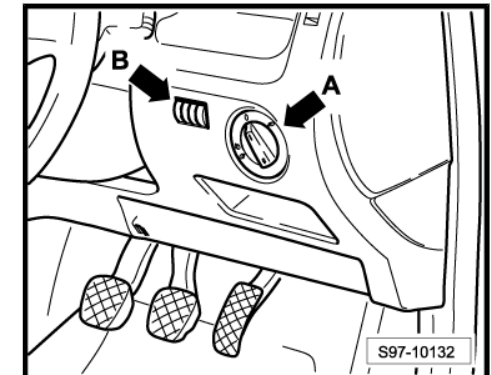
1.11.1 Fitting location (only for vehicles with left-hand drive)

At the left dash panel, -arrow B-.



1.11.2 Fitting location (only for vehicles with right-hand drive)

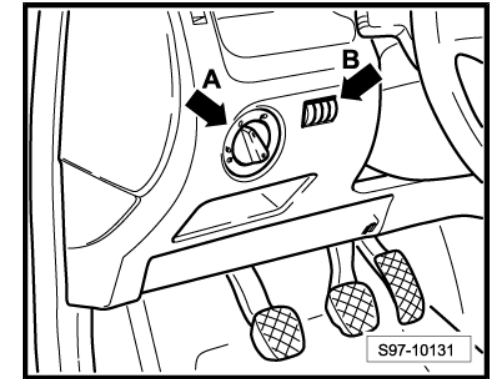
At the right dash panel, -arrow B-.



1.12 Light switch -E1-

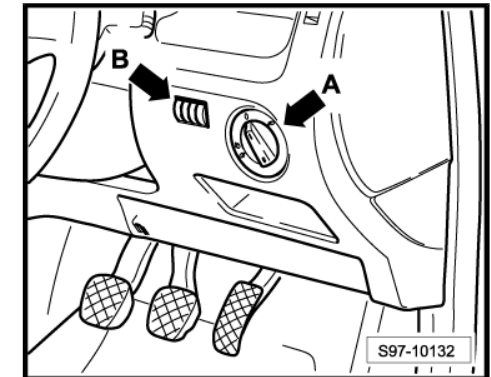
1.12.1 Fitting location (only for vehicles with left-hand drive)

At the left dash panel, -arrow A-.

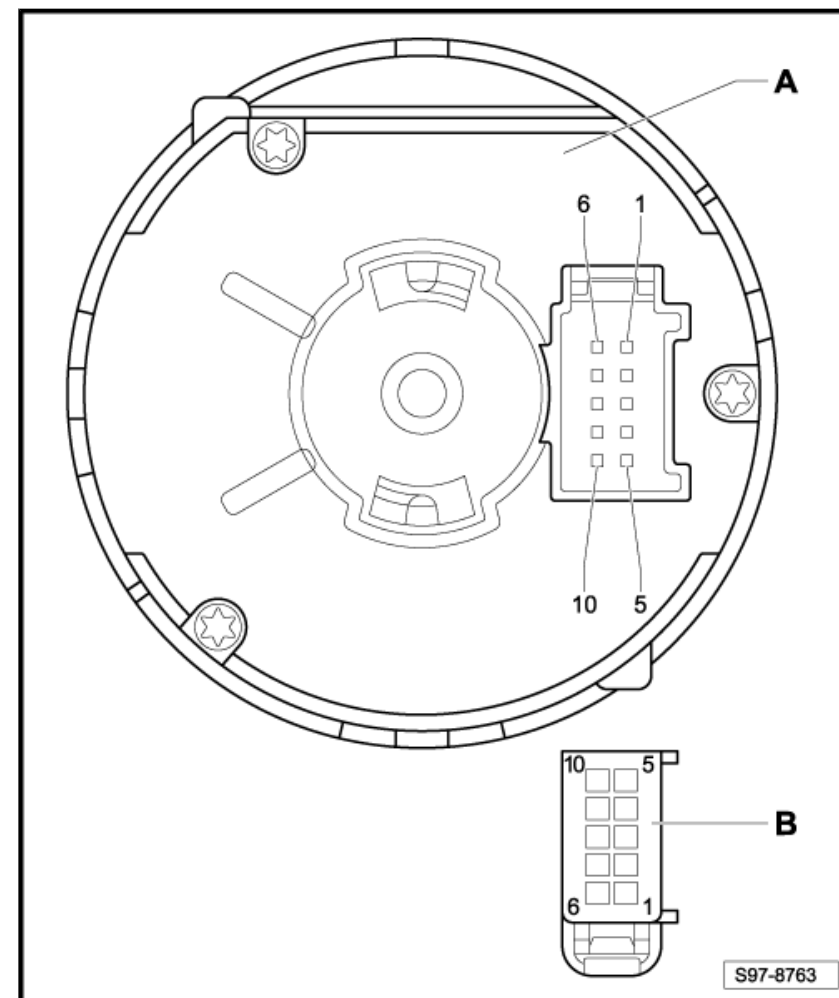


1.12.2 Fitting location (only for vehicles with right-hand drive)

At the right dash panel, -arrow A-.



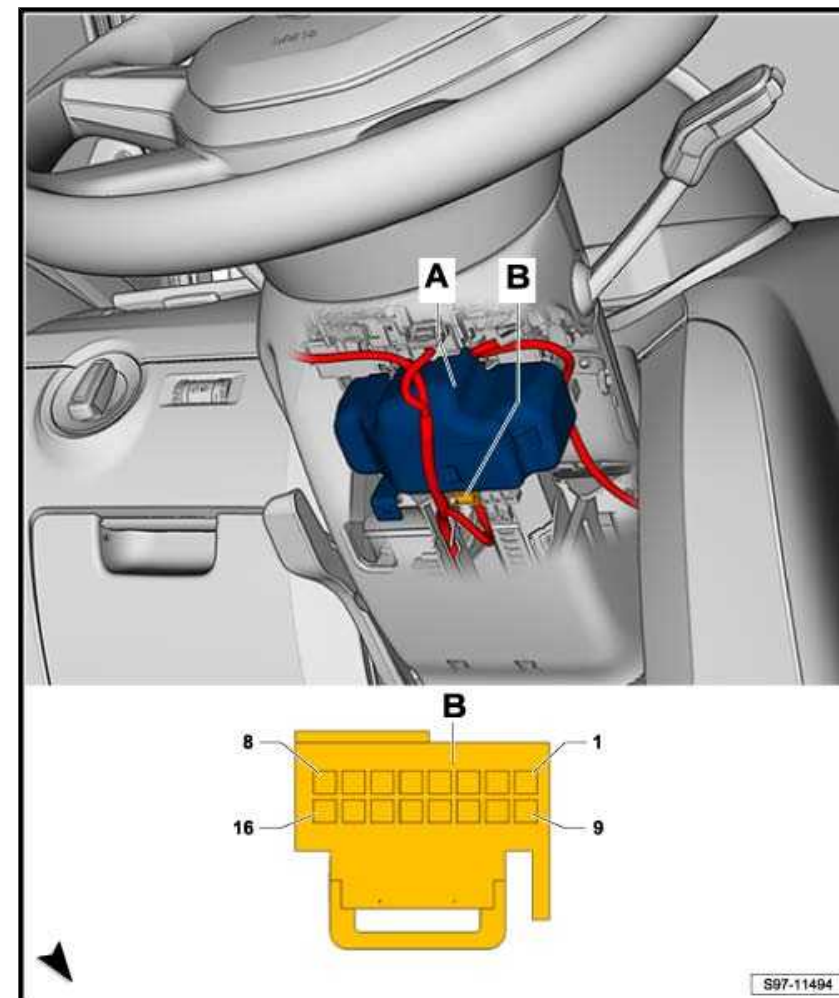
1.12.3 Pin assignment



- A - Light switch -E1-
- B - 10-pin connector, at wiring harness - T10e

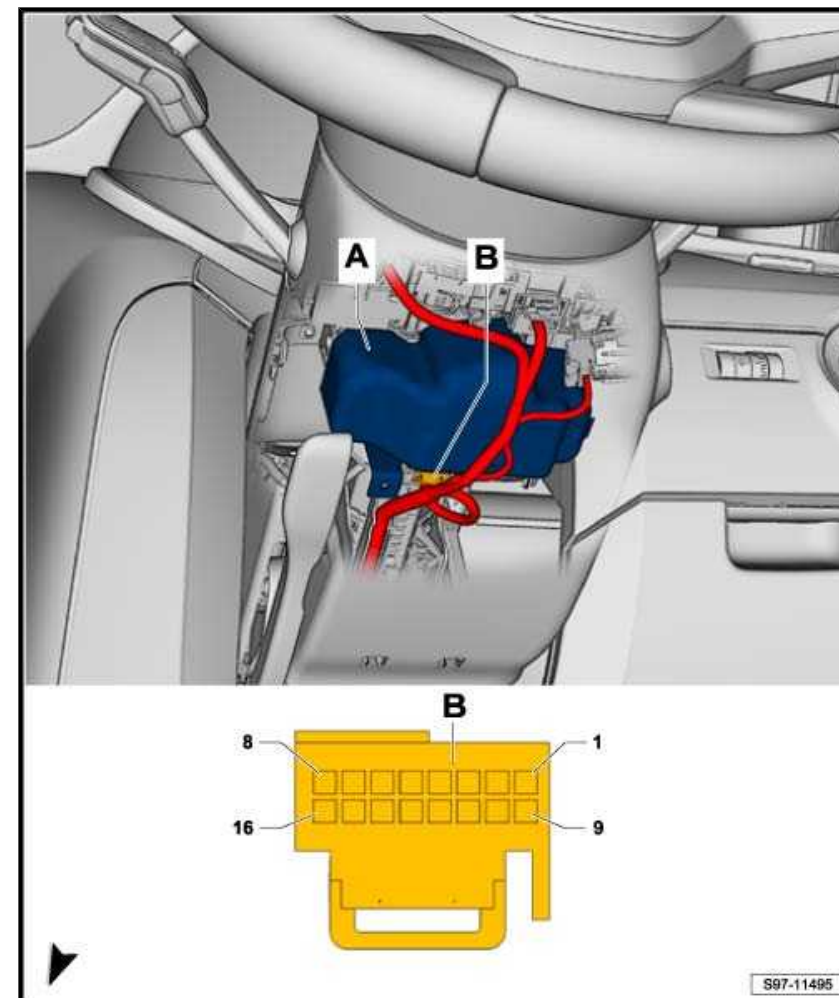
1.13 Electronic steering column lock control unit -J764-

1.13.1 Fitting location (only for left-hand drive vehicles)



- A - Electronic steering column lock control unit -J764-
- B - 16-pin connector, at wiring harness - T16f

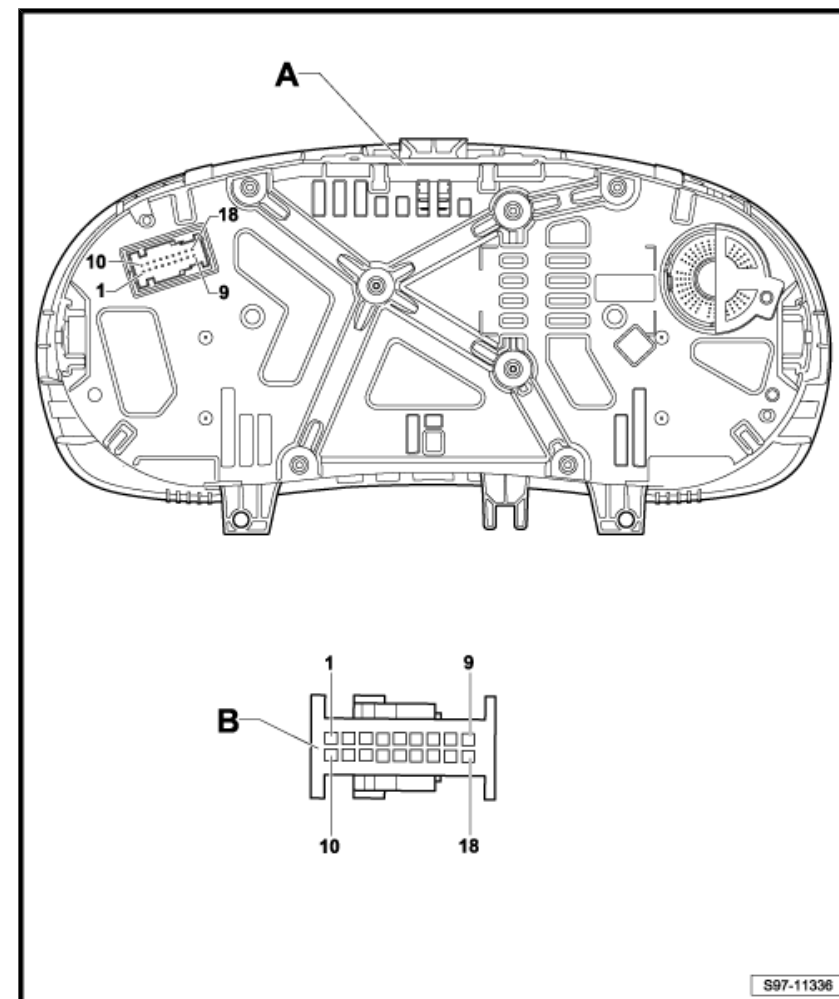
1.13.2 Fitting location (only for right-hand drive vehicles)



- A - Electronic steering column lock control unit -J764-
- B - 16-pin connector, at wiring harness - T16f

1.14 Control unit in dash panel insert -J285- Immobilizer control unit -J362-

1.14.1 Pin assignment, as of May 2015

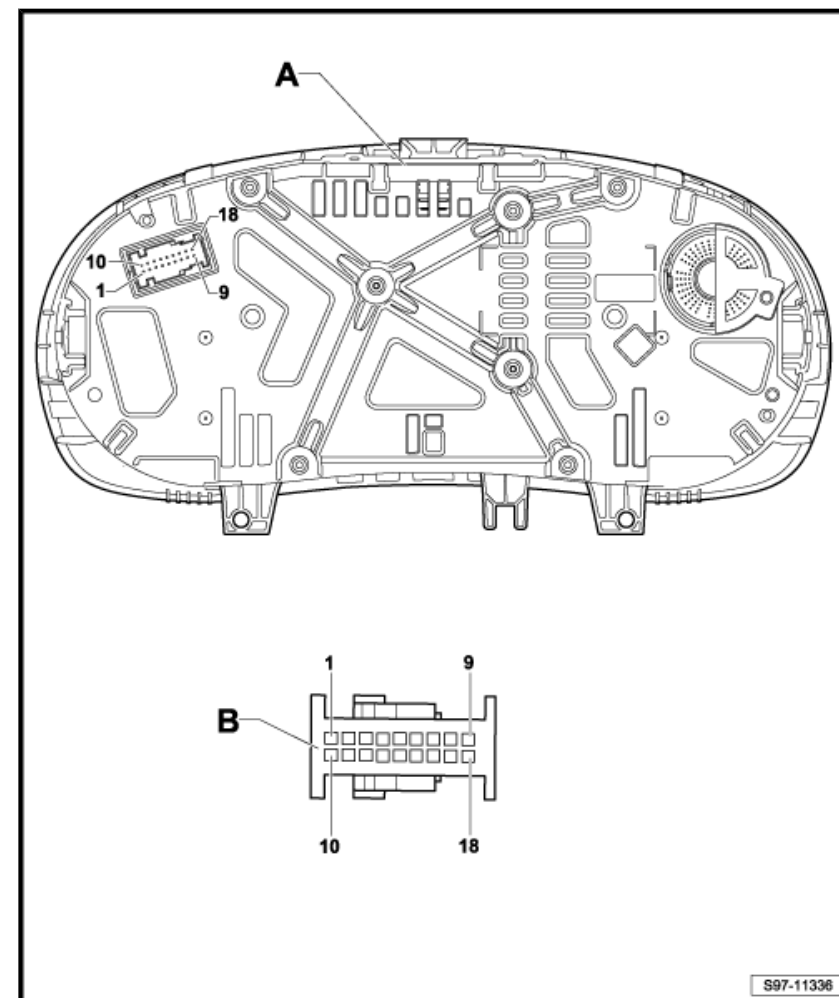


- A - Control unit in dash panel insert -J285- Immobilizer control unit -J362-
- B - 18-pin connector, at wiring harness - T18a

18-pin connector -T18a-

- 1 - Terminal 30 - Input
- 2 - not assigned
- 3 - not assigned
- 4 - not assigned
- 5 - not assigned
- 6 - not assigned
- 7 - Handbrake warning switch -F9-
- 8 - Immobilizer reading coil -D2-
- 9 - Immobilizer reading coil -D2-
- 10 - Terminal 31 - Input
- 11 - Terminal 31 - sender earth - output
- 12 - not assigned
- 13 - not assigned
- 14 - Fuel gauge sender -G-
- 15 - Fuel gauge sender -G-
- 16 - not assigned
- 17 - CAN L, convenience, control unit in dash panel insert -J285-
- 18 - CAN H, convenience, control unit in dash panel insert -J285-

1.14.2 Pin assignment, as of May 2016



- A - Control unit in dash panel insert -J285- Immobilizer control unit -J362-
- B - 18-pin connector, at wiring harness - T18a

18-pin connector -T18a-

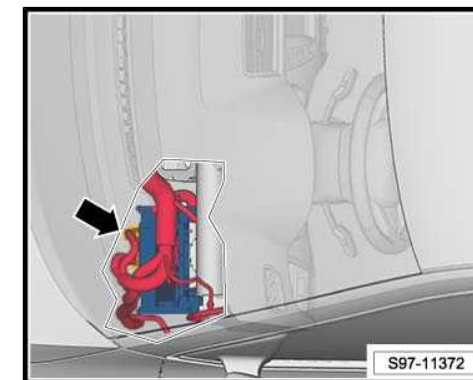
- 1 - Terminal 30 - Input
- 2 - not assigned

- 3 - Speed - output (only for vehicles with Taxi equipment)
- 4 - not assigned
- 5 - not assigned
- 6 - not assigned
- 7 - Handbrake warning switch -F9-
- 8 - Immobilizer reading coil -D2-
- 9 - Immobilizer reading coil -D2-
- 10 - Terminal 31 - Input
- 11 - Terminal 31 - sender earth - output
- 12 - not assigned
- 13 - not assigned
- 14 - Fuel gauge sender -G-
- 15 - Fuel gauge sender -G-
- 16 - not assigned
- 17 - CAN L, convenience, control unit in dash panel insert -J285-
- 18 - CAN H, convenience, control unit in dash panel insert -J285-

1.15 Onboard control unit - J519 Data bus diagnostic interface -J533-

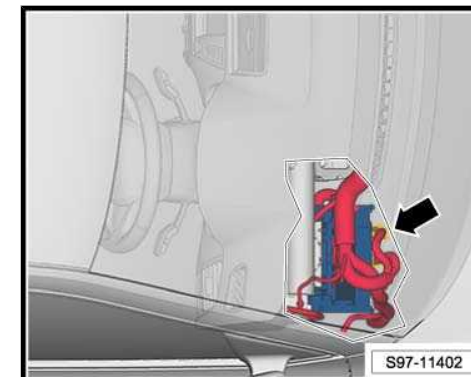
1.15.1 Fitting location (only for left-hand drive vehicles)

Below the left dash panel, -arrow-.

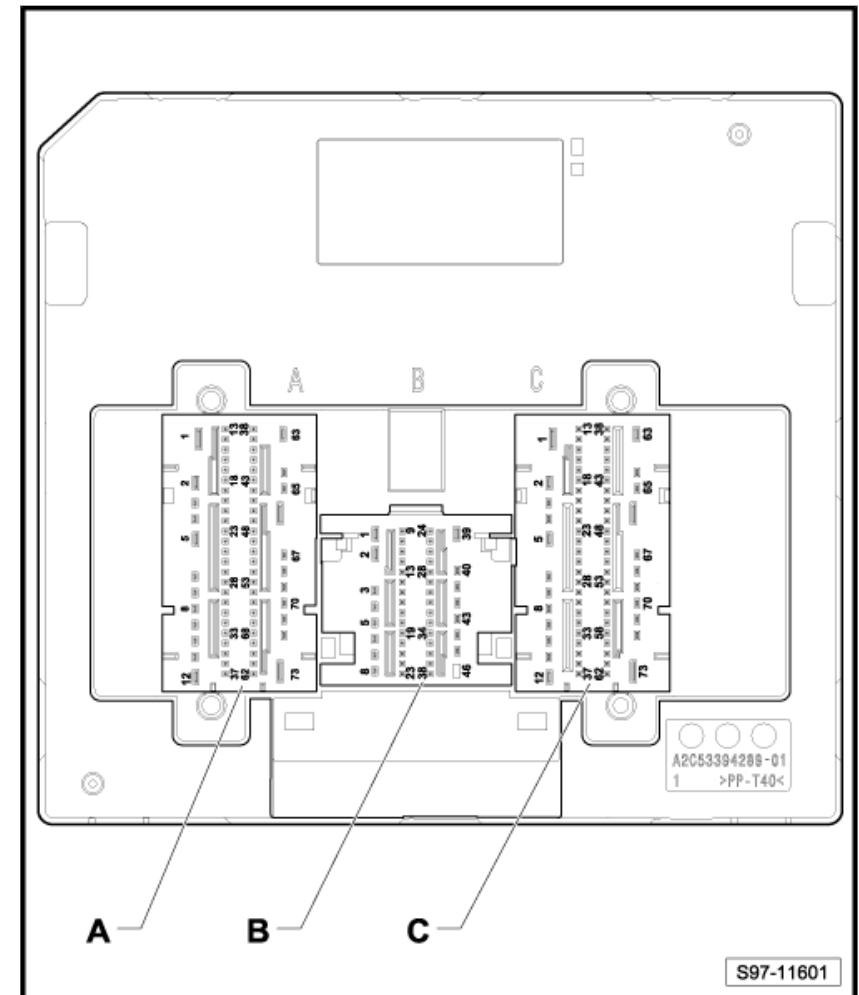


1.15.2 Fitting location (only for right-hand drive vehicles)

Below the right dash panel -arrow-.



1.15.3 Pin assignment, as of May 2015



- A - 73-pin connector - T73a
- B - 46-pin connector - T46b
- C - 73-pin connector - T73c

73-pin connector - T73a-

- 1 - Input (31) - for central locking

- 2 - Output for central locking motor in rear lid -V53-
- 3 - Output for central locking motor in rear right door, lock -V215-
- 4 - Output for central locking motor in rear right door, lock -V215- , motor for SAFE function of central locking in rear right door -V164-
- 5 - not assigned
- 6 - Output for central locking motor in front passenger door -V57-
- 7 - Output for central locking motor in front passenger door -V57- , motor for SAFE function of central locking in front passenger door -V162-
- 8 - Output for central locking motor in rear left door, lock -V214-
- 9 - Output for central locking motor in rear left door, lock -V214- , motor for SAFE function of central locking in rear left door -V163-
- 10 - Output for central locking motor in driver door -V56- , tank filler flap locking motor -V155-
- 11 - Output for central locking motor in driver door -V56- , motor for SAFE function of central locking in driver door -V161- , tank filler flap locking motor -V155-
- 12 - Input - terminal 31 - brake mass for windscreen wiper motor -V-
- 13 - Output for light detection sensor -G399- (31)
- 14 - Input of exterior mirror heating button -E231-
- 15 - Input of multi-function display call-up button -E86-
- 16 - Input of multi-function display call-up button -E86-
- 17 - Input of multi-function display, memory switch -E109-
- 18 - not assigned
- 19 - not assigned
- 20 - not assigned
- 21 - not assigned
- 22 - not assigned
- 23 - Input of central locking lock unit, rear left -F222-
- 24 - Input of central locking lock unit, front passenger side -F221-
- 25 - Input of central locking lock unit, rear right -F223-
- 26 - Input of startstop operation button -E693-
- 27 - Input of horn activation -H- (31)
- 28 - Input of CCS SET button -E227- (RES+)
- 29 - Input of CCS switch -E45- (off)
- 30 - Input (56a) of headlight dipperflasher switch -E4-
- 31 - Input of intermittent wiper switch -E22- (2nd stage)
- 32 - not assigned
- 33 - not assigned
- 34 - not assigned
- 35 - not assigned
- 36 - Output for seat heating
- 37 - Output for deactivation warning light of interior monitoring and vehicle inclination -K248-

- 38 - Input of deactivation button of interior monitoring and vehicle inclination -E616-
- 39 - Input of control unit for entry and start authorisation -J518- (wake up wire)
- 40 - not assigned
- 41 - Input of ignition starter switch -D- (86s) (for vehicles without entry and start authorisation)
- Input of steering column electronics control unit -J764- (86s) (for vehicles with entry and start authorisation)
- 42 - Input of light switch -E1-
- 43 - Input of light switch -E1- (AFL)
- 44 - not assigned
- 45 - not assigned
- 46 - Input (56b) of headlight dipperflasher switch -E4-
- 47 - Input of light switch -E1- (TFL)
- 48 - Input of light switch -E1- (58)
- 49 - not assigned
- 50 - Input of intermittent wiper switch -E22- (1st stage)
- 51 - Input of rear wiper switch -E34-
- Output for rear window wiper motor -V12-
- 52 - Input of CCS SET button -E227- (SET-)
- 53 - Input of CCS switch -E45- (onoff)
- 54 - Input of selector lever locked in position P switch -F319-
- 55 - Input of heated rear window button -E230- (31)
- 56 - Input of central locking lock unit, driver side -F220-
- 57 - not assigned
- 58 - Input of intermittent wiper control -E38-
- 59 - not assigned
- 60 - Output for number plate light, left -X4- , number plate light, right -X5-
- 61 - not assigned
- 62 - Input of steering column electronics control unit -J764- (15)
- 63 - Input - (31)
- 64 - Output for motor for SAFE function of central locking in driver door -V161- , motor for SAFE function of central locking in front passenger door -V162- , motor for SAFE function of central locking in rear left door -V163- , motor for SAFE function of central locking in rear right door -V164-
- 65 - Output for tail and rear fog light bulb, left -M41- (for vehicles with left-hand drive)
- Output for tail and rear fog light bulb, right -M42- (for vehicles with right-hand drive)
- 66 - Input (30) - right light supply
- 67 - not assigned
- 68 - Output for Interior light (31)
- 69 - Output for tail light bulb, right -M2- , tail light and rear fog light bulb, right -M42- , right brake and tail light bulb -M22-

- 70 - Output for brake and tail light bulb, left -M21-
- 71 - Output for turn signal bulb, rear left -M6-
- 72 - Output for turn signal bulb in exterior mirror, front passenger side -L132- (not for Russia equipment)
- Output for side turn signal bulb, right -M19- (for Russia equipment)
- 73 - Input for windscreen wiper motor -V- (30)

46-pin connector -T46b-

- 1 - Output for windscreen wiper motor -V- (2nd stage)
- 2 - Input (30) - for central locking
- 3 - Output for fog light bulb, right -L23- , static cornering light, right -M52-
- 4 - not assigned
- 5 - Output for dipped beam bulb, right -M31- , gas discharge lamp, right -L14-
- 6 - Output for day driving light bulb, right -L175-
- 7 - Output for main beam bulb, right -M32-
- 8 - Output for windscreen wiper motor -V- (1st stage)
- 9 - Input of bonnet contact switch -F266-
- 10 - Input of brake light switch -F- (54)
- 11 - Input of windscreen wiper motor -V-
- 12 - Input of reversing light switch -F4- (not valid for vehicles with automatic gearbox)
- 13 - Input of ambient temperature sensor -G17-
- 14 - Input of windscreen washer fluid level sender -G33-
- 15 - Input of coolant shortage indicator sender -G32-
- 16 - not assigned
- 17 - Input of brake fluid level warning contact -F34-
- 18 - not assigned
- 19 - not assigned
- 20 - not assigned
- 21 - not assigned
- 22 - Output for side light bulb, left -M1-
- 23 - Output for turn signal bulb, front right -M7-
- 24 - not assigned
- 25 - LIN bus - signal horn for anti-theft alarm system -H8-
- 26 - LIN bus - Alternator with voltage regulator -CX1- , Battery monitor control unit -J367-
- 27 - not assigned
- 28 - not assigned

- 29 - Input (30) - Reference
- 30 - not assigned
- 31 - Input (31) - Reference
- 32 - not assigned
- 33 - Output for sender earth (31)
- 34 - Output for headlight washer system relay -J39-
- 35 - Output for turn signal bulb, front left -M5-
- 36 - Output for side light bulb, right -M3-
- 37 - not assigned
- 38 - not assigned
- 39 - not assigned
- 40 - Output for fog light bulb, left -L22- , static cornering light, left -M51-
- 41 - not assigned
- 42 - Output for main beam bulb, left -M30-
- 43 - Output for day driving light bulb, left -L174-
- 44 - Output for dipped beam bulb, left -M29- , gas discharge lamp, left -L13-
- 45 - Output for left footwell light -W9- , right footwell light -W10- , storage compartment illumination bulb -L120-
- 46 - Output for high tone horn -H2- , low tone horn -H7-

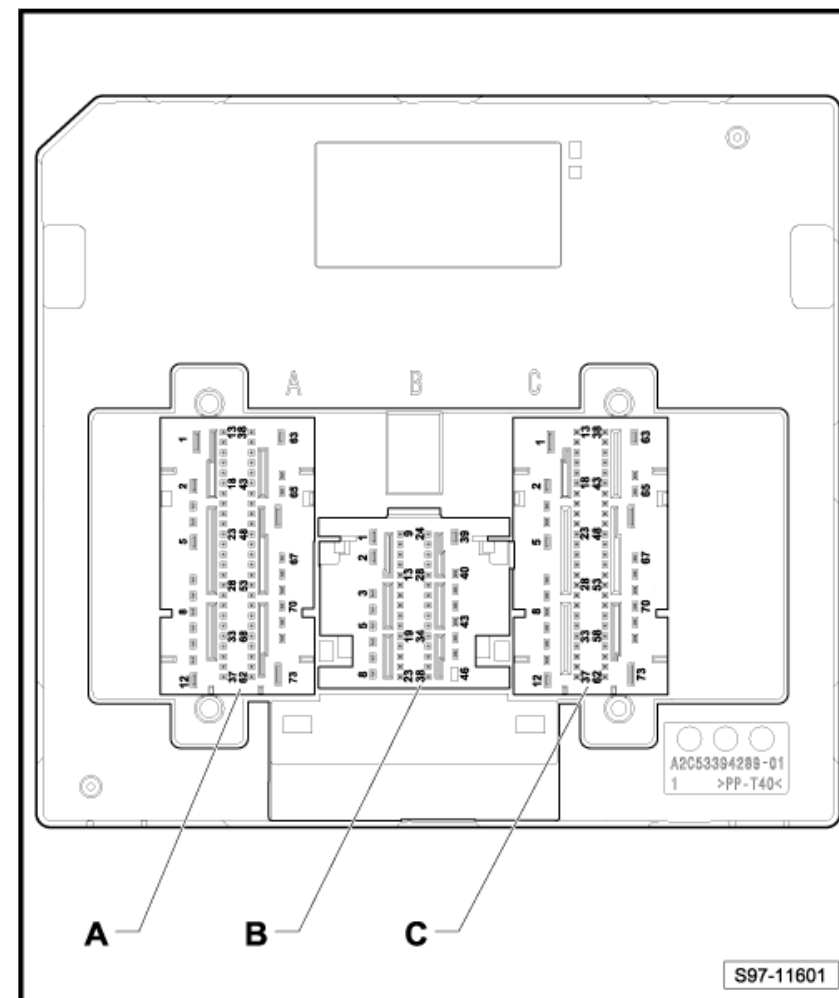
73-pin connector -T73c-

- 1 - Input (30) - left light supply
- 2 - Input for heated exterior mirror driver's side -Z4- , heated exterior mirror front passenger's side -Z5-
- 3 - Output for reversing light bulb, left -M16- , reversing light bulb, right -M17- , automatic anti-dazzle interior mirror -Y7-
- 4 - not assigned
- 5 - Input (30) - supply for heated exterior mirror driver's side -Z4- , heated exterior mirror front passenger's side -Z5-
- 6 - not assigned
- 7 - Output for tail light bulb, left -M4- , tail and rear fog light bulb, left -M41- , left brake and tail light bulb -M21-
- 8 - Output for brake and tail light bulb, right -M22-
- 9 - Output for bulb for high level brake light -M25- (54)
- 10 - Output for turn signal bulb, rear right -M8-
- 11 - Output for turn signal bulb in exterior mirror, driver's side -L131- (not for Russia equipment)
- Output for side turn signal bulb, left -M18- (for Russia equipment)
- 12 - Input (30) for high tone horn -H2- , low tone horn -H7-
- 13 - LIN bus Multi-function steering wheel control unit -J453-
- 14 - LIN bus window regulator motor, driver side -V147-

- 15 - LIN bus Air humidity, rain and light detector sensor -G823- , sensor for anti-theft alarm system -G578- , humidity sender -G355-
- 16 - not assigned
- 17 - not assigned
- 18 - not assigned
- 19 - not assigned
- 20 - Input of central locking lock unit, front passenger side -F221-
- 21 - Input of central locking lock unit, driver side -F220-
- 22 - Input of rear lid lock unit -F256- (31)
- 23 - Input of rear lid handle release button -E234- (31)
- 24 - Input of door contact switch, rear left -F10-
- 25 - Input of door contact switch, driver side -F2- (31)
- 26 - Input of door contact switch, front passenger side -F3- (31)
- 27 - Input of door contact switch, rear right -F11-
- 28 - Input of interior button for central locking driver's side -E308-
- 29 - Input of turn signal switch -E2- (right turn signal) (31)
- 30 - Input of hazard warning light button -E229- (31)
- 31 - Input of fog light and rear fog light switch -E23-
- 32 - Input of turn signal switch -E2- (left turn signal) (31)
- 33 - Output for terminal 15 voltage supply relay -J329- (for vehicles with entry and start authorisation)
- 34 - Output - signal (15)
- 35 - not assigned
- 36 - not assigned
- 37 - not assigned
- 38 - not assigned
- 39 - not assigned
- 40 - CAN bus extended high
- 41 - CAN bus extended low
- 42 - Drive train CAN bus high (switched)
- 43 - Drive train CAN bus low (switched)
- 44 - Drive train CAN bus, high
- 45 - Drive train CAN bus, low
- 46 - Convenience CAN bus, high
- 47 - Convenience CAN bus, low
- 48 - not assigned
- 49 - not assigned
- 50 - not assigned

- 51 - Output for startstop operation warning light -K259-
- 52 - Output for heated rear window warning light -K10-
- 53 - not assigned
- 54 - Output for hazard warning light system warning light -K6- , bulb for button illumination -L76-
- 55 - Output for warning light for SAFE function of central locking -K133-
- 56 - Input of light detection sensor -G399-
- 57 - Input of ignition starter switch -D- (15) (for vehicles without entry and start authorisation)
- Input of steering column electronics control unit -J764- (15) (for vehicles with entry and start authorisation)
- 58 - not assigned
- 59 - not assigned
- 60 - not assigned
- 61 - Output for interior locking warning light, driver side -K174-
- 62 - Output for X contact relief relay -J59-
- 63 - Input (30)
- 64 - not assigned
- 65 - not assigned
- 66 - Output for heated rear window -Z1-
- 67 - Output (58d)
- 68 - not assigned
- 69 - Output for interior light front -W1- , reading light rear left -W11- , reading light rear right -W12- , interior light right -W43- , glovebox light -W6- , luggage compartment light, left -W18-
- 70 - not assigned
- 71 - not assigned
- 72 - not assigned
- 73 - Input for heated rear window -Z1- (30a_2)

1.15.4 Pin assignment, as of May 2016



- A - 73-pin connector - T73a
- B - 46-pin connector - T46b
- C - 73-pin connector - T73c

73-pin connector -T73a-

- 1 - Input (31) - for central locking

- 2 - Output for central locking motor in rear lid -V53-
- 3 - Output for central locking motor in rear right door, lock -V215-
- 4 - Output for central locking motor in rear right door, lock -V215- , motor for SAFE function of central locking in rear right door -V164-
- 5 - not assigned
- 6 - Output for central locking motor in front passenger door -V57-
- 7 - Output for central locking motor in front passenger door -V57- , motor for SAFE function of central locking in front passenger door -V162-
- 8 - Output for central locking motor in rear left door, lock -V214-
- 9 - Output for central locking motor in rear left door, lock -V214- , motor for SAFE function of central locking in rear left door -V163-
- 10 - Output for central locking motor in driver door -V56- , tank filler flap locking motor -V155-
- 11 - Output for central locking motor in driver door -V56- , motor for SAFE function of central locking in driver door -V161- , tank filler flap locking motor -V155-
- 12 - Input - terminal 31 - brake mass for windscreen wiper motor -V-
- 13 - Output for light detection sensor -G399- (31)
- 14 - Input of exterior mirror heating button -E231-
- 15 - Input of multi-function display call-up button -E86-
- 16 - Input of multi-function display call-up button -E86-
- 17 - Input of multi-function display, memory switch -E109-
- 18 - Input of heated windscreen button -E627-
- 19 - not assigned
- 20 - not assigned
- 21 - not assigned
- 22 - not assigned
- 23 - Input of central locking lock unit, rear left -F222-
- 24 - Input of central locking lock unit, front passenger side -F221-
- 25 - Input of central locking lock unit, rear right -F223-
- 26 - Input of startstop operation button -E693-
- 27 - Input of horn activation -H- (31)
- 28 - Input of CCS SET button -E227- (RES+)
- 29 - Input of CCS switch -E45- (off)
- 30 - Input (56a) of headlight dipperflasher switch -E4-
- 31 - Input of intermittent wiper switch -E22- (2nd stage)
- 32 - Input of rear wiper switch -E34- (HW)
- 33 - not assigned
- 34 - not assigned
- 35 - not assigned
- 36 - Output for seat heating
- 37 - Output for deactivation warning light of interior monitoring and vehicle inclination -K248-

- 38 - Input of deactivation button of interior monitoring and vehicle inclination -E616-
- 39 - Input of control unit for entry and start authorisation -J518- (wake up wire)
- 40 - not assigned
- 41 - Input of ignition starter switch -D- (86s) (for vehicles without entry and start authorisation)
- Input of steering column electronics control unit -J764- (86s) (for vehicles with entry and start authorisation)
- 42 - Input of light switch -E1-
- 43 - Input of light switch -E1- (AFL)
- 44 - Input of rear wiper switch -E34- (53c)
- 45 - not assigned
- 46 - Input (56b) of headlight dipperflasher switch -E4-
- 47 - Input of light switch -E1- (TFL)
- 48 - Input of light switch -E1- (58)
- 49 - not assigned
- 50 - Input of intermittent wiper switch -E22- (1st stage)
- 51 - Input of rear wiper switch -E34-
- Output for rear window wiper motor -V12-
- 52 - Input of CCS SET button -E227- (SET-)
- 53 - Input of CCS switch -E45- (onoff)
- 54 - Input of selector lever locked in position P switch -F319-
- 55 - Input of heated rear window button -E230- (31)
- 56 - Input of central locking lock unit, driver side -F220-
- 57 - not assigned
- 58 - Input of intermittent wiper control -E38-
- 59 - not assigned
- 60 - Output for number plate light, left -X4- , number plate light, right -X5-
- 61 - not assigned
- 62 - Input of steering column electronics control unit -J764- (15)
- 63 - Input - (31)
- 64 - Output for motor for SAFE function of central locking in driver door -V161- , motor for SAFE function of central locking in front passenger door -V162- , motor for SAFE function of central locking in rear left door -V163- , motor for SAFE function of central locking in rear right door -V164-
- 65 - Output for tail and rear fog light bulb, left -M41- (for vehicles with left-hand drive)
- Output for tail and rear fog light bulb, right -M42- (for vehicles with right-hand drive)
- 66 - Input (30) - right light supply
- 67 - not assigned
- 68 - Output for Interior light (31)
- 69 - Output for tail light bulb, right -M2- , tail light and rear fog light bulb, right -M42- , right brake and tail light bulb -M22-

- 70 - Output for brake and tail light bulb, left -M21-
- 71 - Output for turn signal bulb, rear left -M6-
- 72 - Output for turn signal bulb in exterior mirror, front passenger side -L132- (not for Russia equipment)
- Output for side turn signal bulb, right -M19- (for Russia equipment)
- 73 - Input for windscreen wiper motor -V- (30)

46-pin connector -T46b-

- 1 - Output for windscreen wiper motor -V- (2nd stage)
- 2 - Input (30) - for central locking windscreen and rear window washer pump -V59- , rear window wiper motor -V12-
- 3 - Output for fog light bulb, right -L23- , static cornering light, right -M52-
- 4 - Output for windscreen and rear window washer pump -V59-
- 5 - Output for dipped beam bulb, right -M31- , gas discharge lamp, right -L14-
- 6 - Output for day driving light bulb, right -L175-
- 7 - Output for main beam bulb, right -M32-
- 8 - Output for windscreen wiper motor -V- (1st stage)
- 9 - Input of bonnet contact switch -F266-
- 10 - Input of brake light switch -F- (54)
- 11 - Input of windscreen wiper motor -V-
- 12 - Input of reversing light switch -F4- (not valid for vehicles with automatic gearbox)
- 13 - Input of ambient temperature sensor -G17-
- 14 - Input of windscreen washer fluid level sender -G33-
- 15 - Input of coolant shortage indicator sender -G32-
- 16 - not assigned
- 17 - Input of brake fluid level warning contact -F34-
- 18 - not assigned
- 19 - not assigned
- 20 - not assigned
- 21 - not assigned
- 22 - Output for side light bulb, left -M1-
- 23 - Output for turn signal bulb, front right -M7-
- 24 - not assigned
- 25 - LIN bus - signal horn for anti-theft alarm system -H8-
- 26 - LIN bus - Alternator with voltage regulator -CX1- , Battery monitor control unit -J367-
- 27 - not assigned
- 28 - not assigned

- 29 - Input (30) - Reference
- 30 - not assigned
- 31 - Input (31) - Reference
- 32 - not assigned
- 33 - Output for sender earth (31)
- 34 - Output for headlight washer system relay -J39-
- 35 - Output for turn signal bulb, front left -M5-
- 36 - Output for side light bulb, right -M3-
- 37 - not assigned
- 38 - Output for heated windscreen
- 39 - not assigned
- 40 - Output for fog light bulb, left -L22- , static cornering light, left -M51-
- 41 - Output for windscreen and rear window washer pump -V59-
- 42 - Output for main beam bulb, left -M30-
- 43 - Output for day driving light bulb, left -L174-
- 44 - Output for dipped beam bulb, left -M29- , gas discharge lamp, left -L13-
- 45 - Output for left footwell light -W9- , right footwell light -W10- , storage compartment illumination bulb -L120- , driver door ambient lighting bulb -L164- , Front passenger door ambient lighting bulb -L165-
- 46 - Output for high tone horn -H2- , low tone horn -H7-

73-pin connector -T73c-

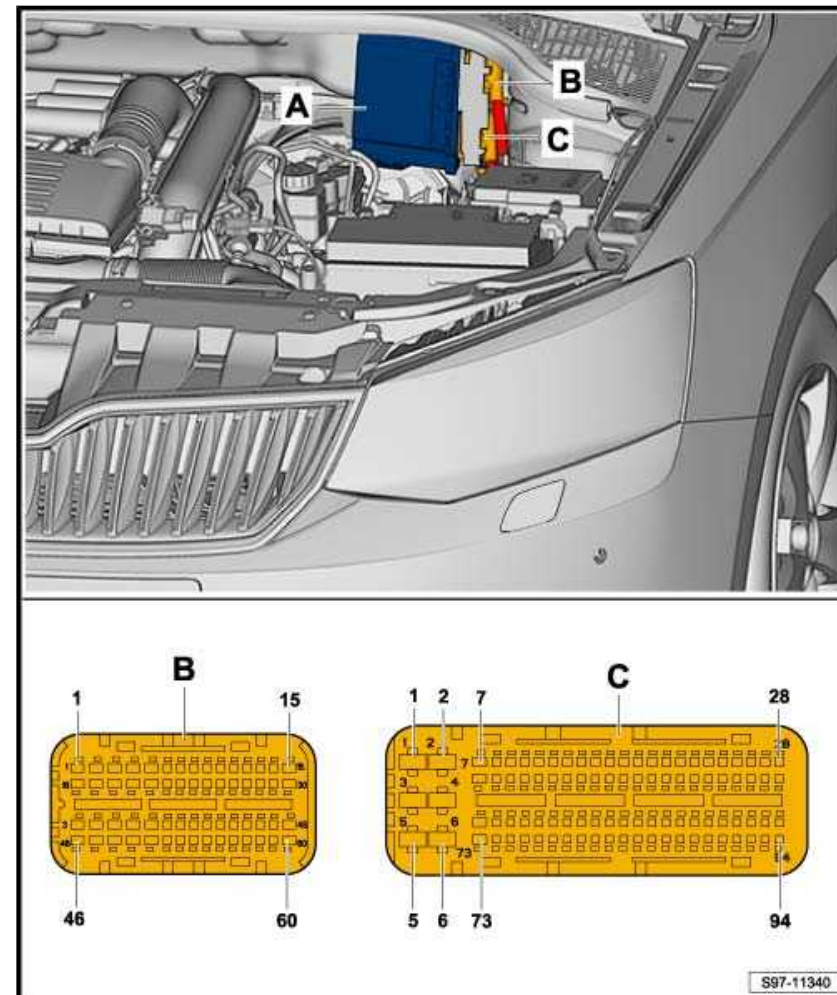
- 1 - Input (30) - left light supply
- 2 - Input for heated exterior mirror driver's side -Z4- , heated exterior mirror front passenger's side -Z5-
- 3 - Output for reversing light bulb, left -M16- , reversing light bulb, right -M17- , automatic anti-dazzle interior mirror -Y7- , rear view camera -R189-
- 4 - not assigned
- 5 - Input (30) - supply for heated exterior mirror driver's side -Z4- , heated exterior mirror front passenger's side -Z5-
- 6 - not assigned
- 7 - Output for tail light bulb, left -M4- , tail and rear fog light bulb, left -M41- , left brake and tail light bulb -M21-
- 8 - Output for brake and tail light bulb, right -M22-
- 9 - Output for bulb for high level brake light -M25- (54)
- 10 - Output for turn signal bulb, rear right -M8-
- 11 - Output for turn signal bulb in exterior mirror, driver's side -L131- (not for Russia equipment)
- Output for side turn signal bulb, left -M18- (for Russia equipment)
- 12 - Input (30) for high tone horn -H2- , low tone horn -H7-
- 13 - LIN bus Multi-function steering wheel control unit -J453-

- 14 - LIN bus window regulator motor, driver side -V147-
- 15 - LIN bus Air humidity, rain and light detector sensor -G823- , sensor for anti-theft alarm system -G578- , humidity sender -G355-
- 16 - not assigned
- 17 - not assigned
- 18 - not assigned
- 19 - not assigned
- 20 - Input of central locking lock unit, front passenger side -F221-
- 21 - Input of central locking lock unit, driver side -F220-
- 22 - Input of rear lid lock unit -F256- (31)
- 23 - Input of rear lid handle release button -E234- (31)
- 24 - Input of door contact switch, rear left -F10-
- 25 - Input of door contact switch, driver side -F2- (31)
- 26 - Input of door contact switch, front passenger side -F3- (31)
- 27 - Input of door contact switch, rear right -F11-
- 28 - Input of interior button for central locking driver's side -E308-
- 29 - Input of turn signal switch -E2- (right turn signal) (31)
- 30 - Input of hazard warning light button -E229- (31)
- 31 - Input of fog light and rear fog light switch -E23-
- 32 - Input of turn signal switch -E2- (left turn signal) (31)
- 33 - Output for terminal 15 voltage supply relay -J329- (for vehicles with entry and start authorisation)
- 34 - Output - signal (15)
- 35 - not assigned
- 36 - not assigned
- 37 - not assigned
- 38 - not assigned
- 39 - not assigned
- 40 - CAN bus extended high
- 41 - CAN bus extended low
- 42 - Drive train CAN bus high (switched)
- 43 - Drive train CAN bus low (switched)
- 44 - Drive train CAN bus, high
- 45 - Drive train CAN bus, low
- 46 - Convenience CAN bus, high
- 47 - Convenience CAN bus, low
- 48 - not assigned
- 49 - not assigned

- 50 - Output for heated windscreen warning light -K122-
- 51 - Output for startstop operation warning light -K259-
- 52 - Output for heated rear window warning light -K10-
- 53 - not assigned
- 54 - Output for hazard warning light system warning light -K6- , bulb for button illumination -L76-
- 55 - Output for warning light for SAFE function of central locking -K133-
- 56 - Input of light detection sensor -G399-
- 57 - Input of ignition starter switch -D- (15) (for vehicles without entry and start authorisation)
- Input of steering column electronics control unit -J764- (15) (for vehicles with entry and start authorisation)
- 58 - not assigned
- 59 - not assigned
- 60 - not assigned
- 61 - Output for interior locking warning light, driver side -K174-
- 62 - Output for X contact relief relay -J59-
- 63 - Input (30)
- 64 - not assigned
- 65 - not assigned
- 66 - Output for heated rear window -Z1-
- 67 - Output (58d)
- 68 - not assigned
- 69 - Output for interior light front -W1- , reading light rear left -W11- , reading light rear right -W12- , interior light right -W43- , glovebox light -W6- , luggage compartment light, left -W18-
- 70 - not assigned
- 71 - not assigned
- 72 - not assigned
- 73 - Input for heated rear window -Z1- (30a_2)

1.16 Engine control unit -J623-

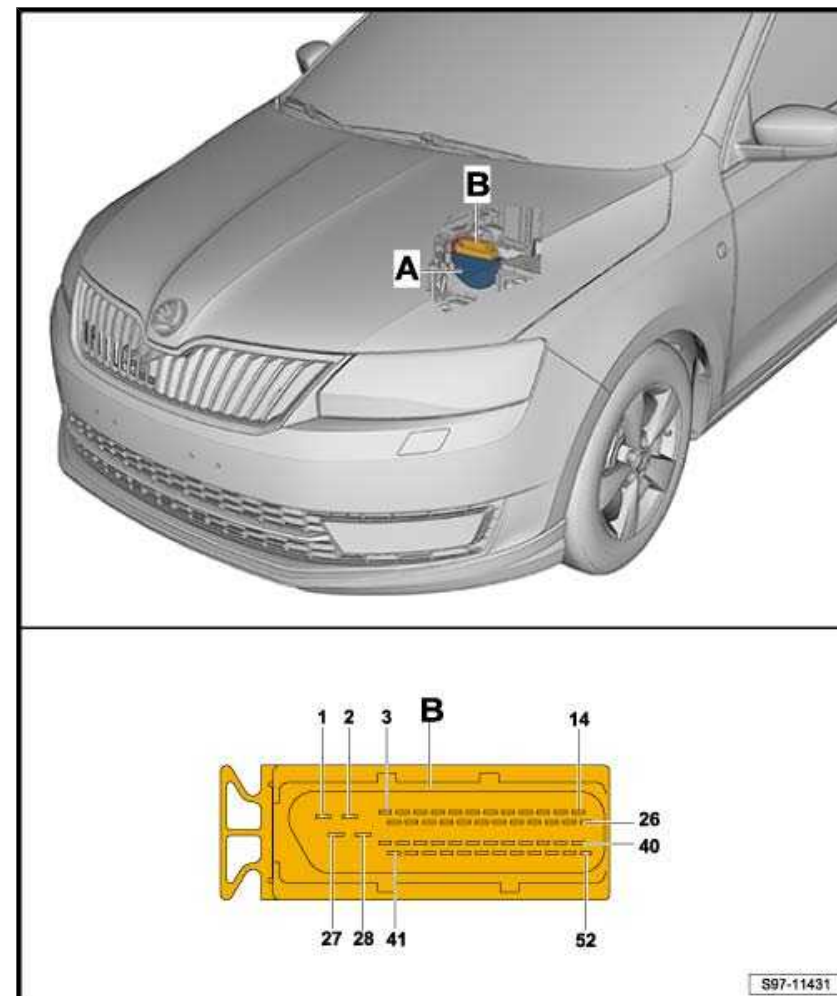
1.16.1 Fitting location



- A - Engine control unit -J623-
- B - 94-pin connector, at wiring harness - T94a
- C - 60-pin connector, at wiring harness - T60a

1.17 Automatic gearbox control unit -J217-

1.17.1 Fitting location

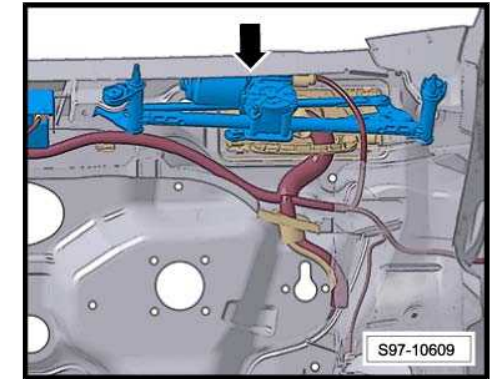


- A - Automatic gearbox control unit -J217-
- B - 52-pin connector, at wiring harness - T52a

1.18 Windscreen wiper motor -V-

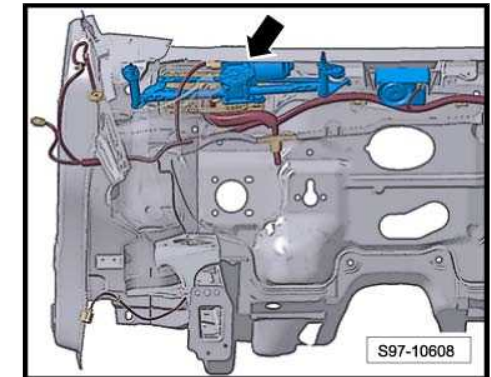
1.18.1 Fitting location (only for vehicles with left-hand drive)

In plenum chamber, left -arrow-.

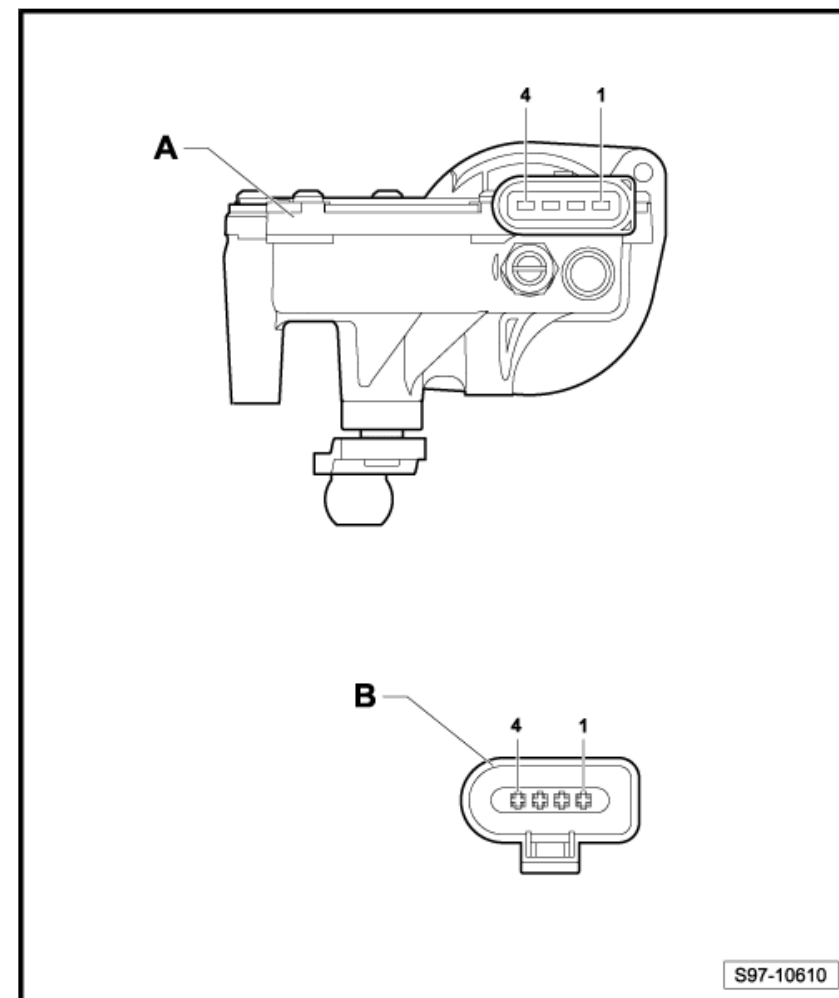


1.18.2 Fitting location (only for vehicles with right-hand drive)

In plenum chamber, right -arrow-.



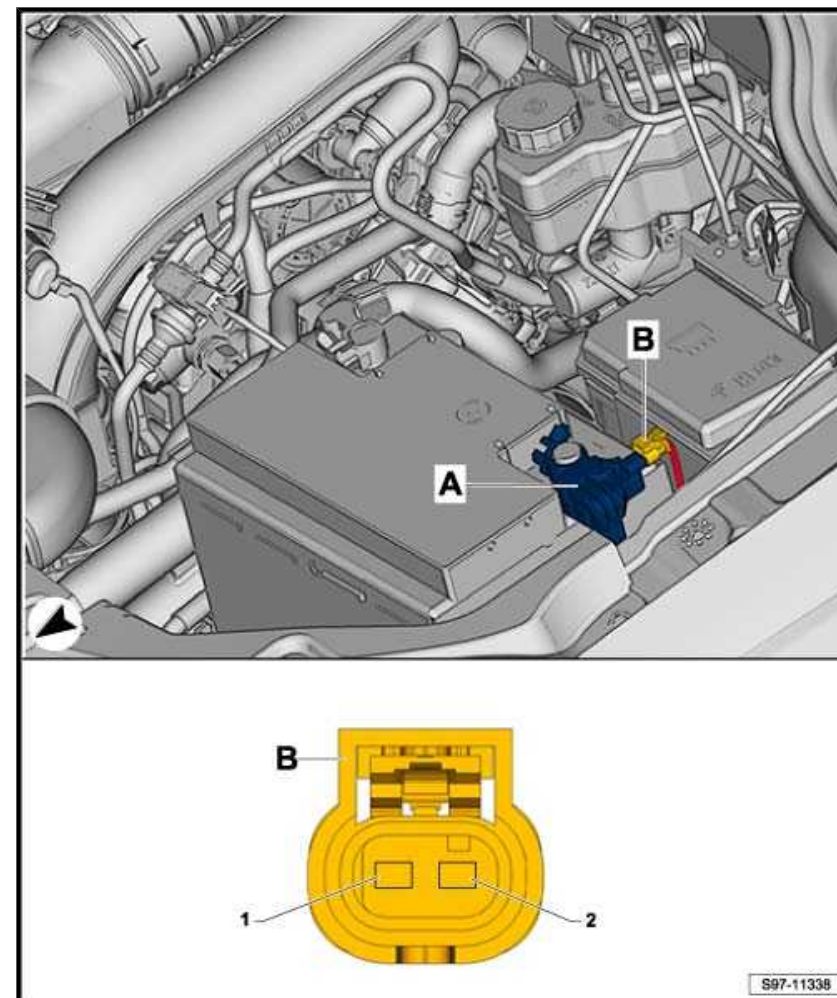
1.18.3 Pin assignment



- A - Windscreen wiper motor -V-
- B - 4-pin connector, at wiring harness - T4a

1.19 Battery monitor control unit -J367-

1.19.1 Fitting location



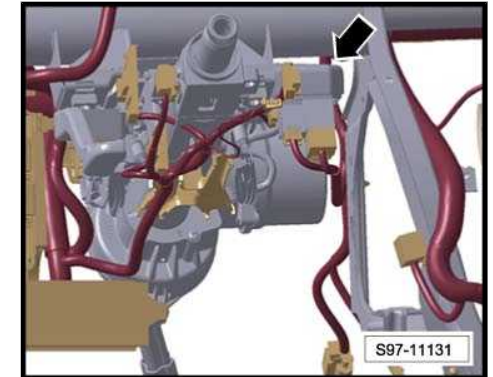
- A - Battery monitor control unit -J367-
- B - 2-pin connector, at wiring harness - T2d

1.20 Power steering control unit -J500-

electromechanical power steering

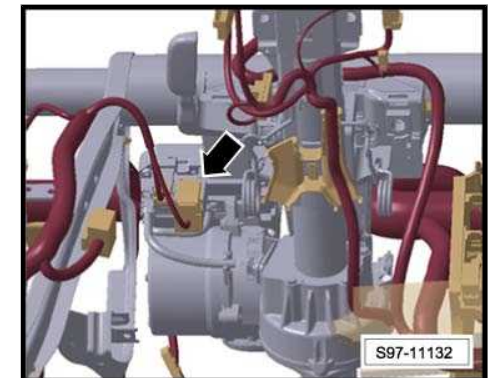
1.20.1 Fitting location (only for vehicles with left-hand drive)

below the left dash panel, -arrow-.



1.20.2 Fitting location (only for vehicles with right-hand drive)

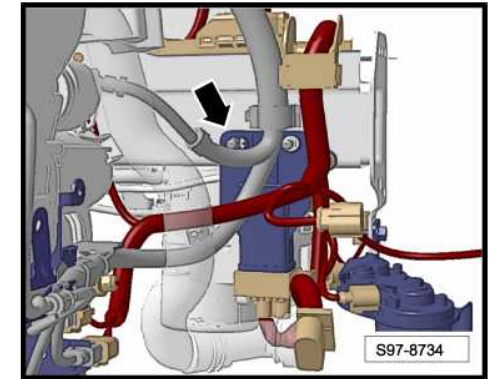
Below the right dash panel, -arrow-.



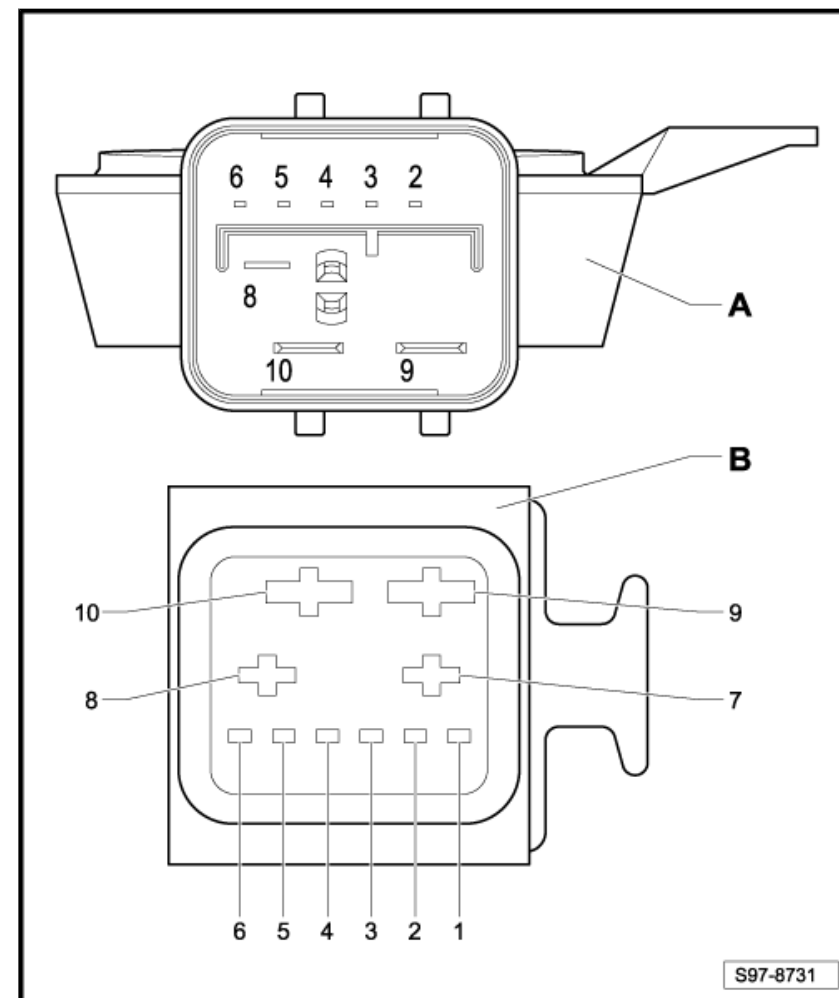
1.21 Radiator fan control unit -J293-

1.21.1 Fitting location (not valid for engine identification characters CXMA)

In engine compartment, front left -arrow-.

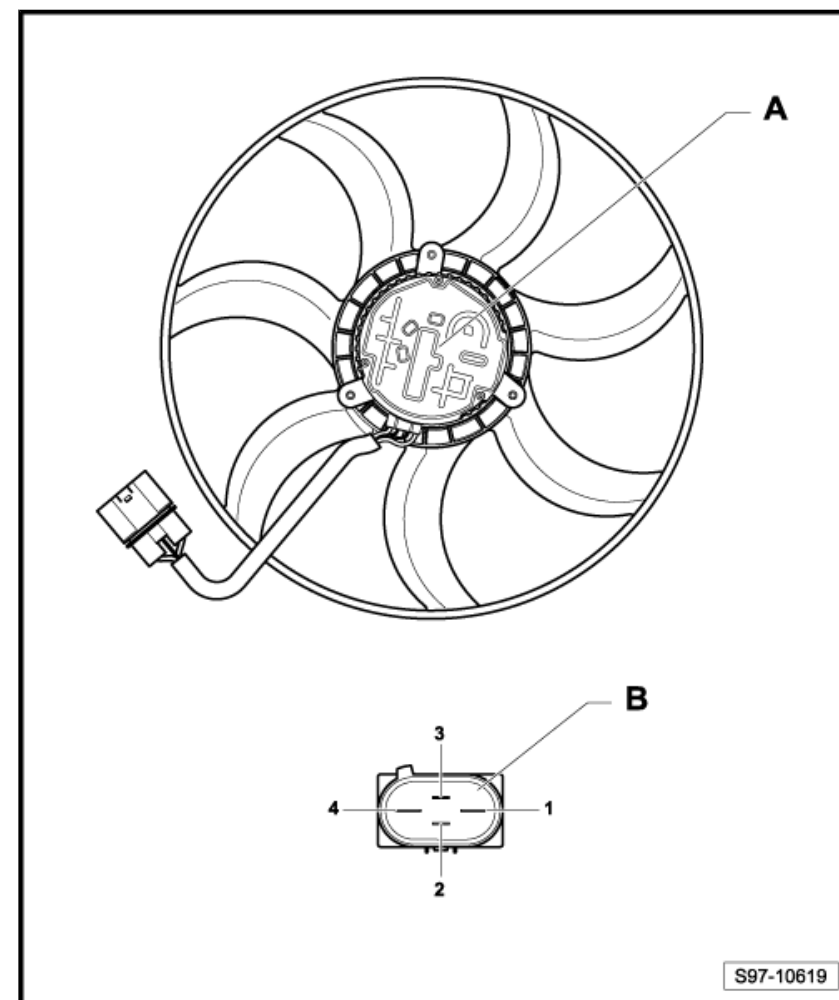


1.21.2 Pin assignment (not valid for engine identification characters CXMA)



- A - Radiator fan control unit -J293-
- B - 10-pin connector, at wiring harness - T10o

1.21.3 Pin assignment (applies to engine identification characters CXMA)

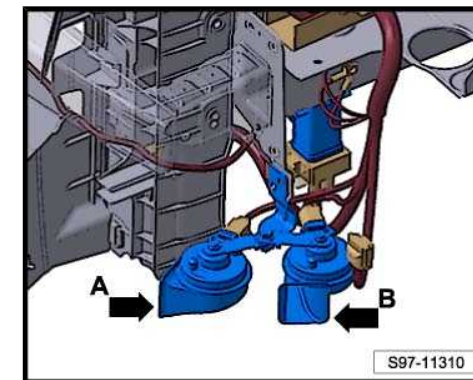


- A - Radiator fan control unit -J293-
- B - 4-pin connector, at wiring harness - T4an

1.22 Low tone horn -H7-

1.22.1 Fitting location

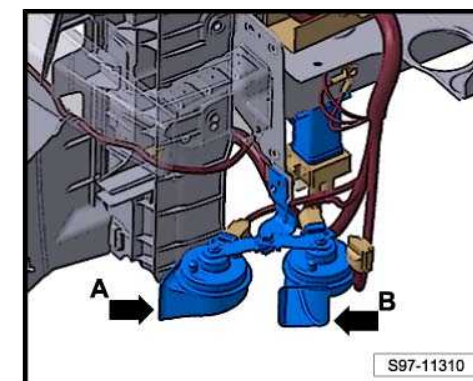
In engine compartment, front left -arrow B-.



1.23 High tone horn -H2-

1.23.1 Fitting location

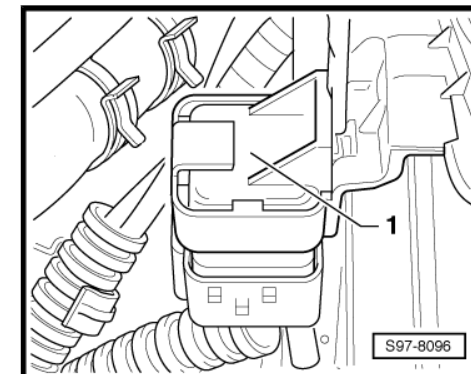
In engine compartment, front left -arrow A-.



1.24 Automatic glow period control unit -J179-

1.24.1 Fitting location

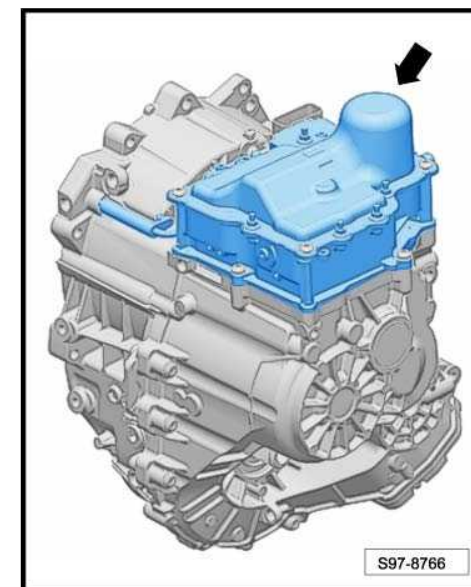
At the battery cover -1-.



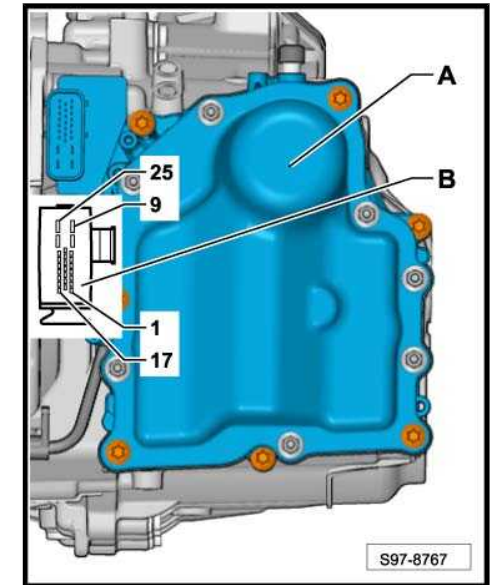
1.25 Double clutch gearbox mechatronics -J743-

1.25.1 Fitting location

On the double clutch gearbox -arrow-.



1.25.2 Pin assignment



- A - Double clutch gearbox mechatronics -J743-
- B - 25-pin connector, at wiring harness - T25a

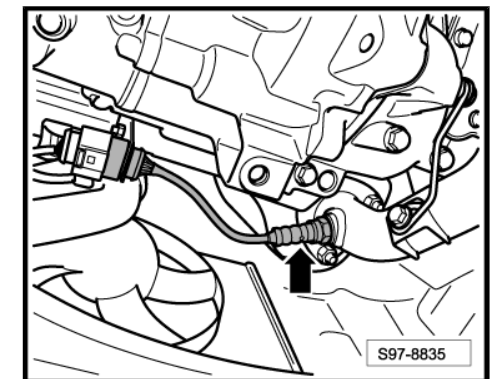
1.26 Lambda probe after catalytic converter -G130-

1.26.1 Fitting location

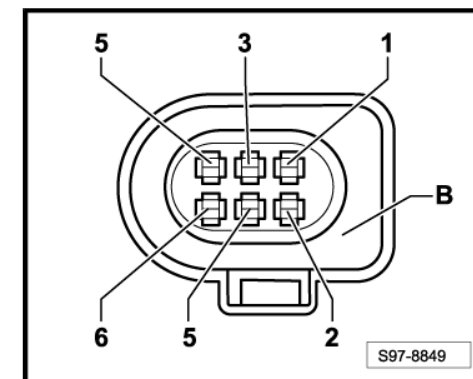
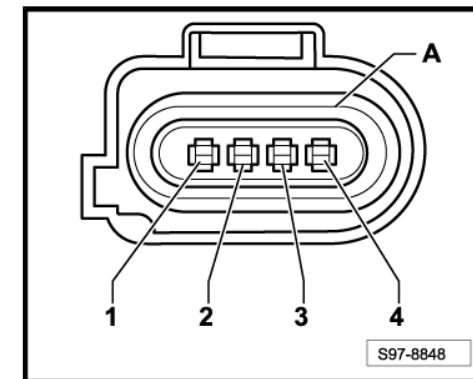
On the pre-exhaust pipe -arrow-.



The fitting location of the lambda probe can differ depending on the engine type.



1.26.2 Pin assignment



- A - 4-pin connector, at wiring harness - T4g
- B - 6-pin connector, at wiring harness - T6j

1.27 Lambda probe -G39-

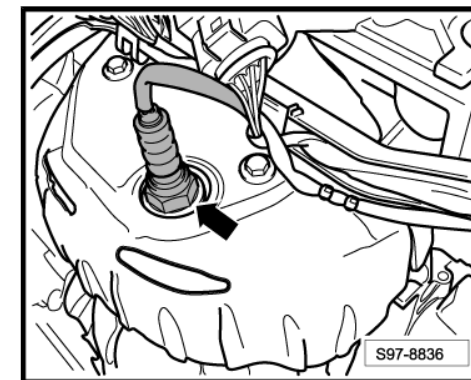
1.27.1 Fitting location

On the exhaust manifold -arrow-.

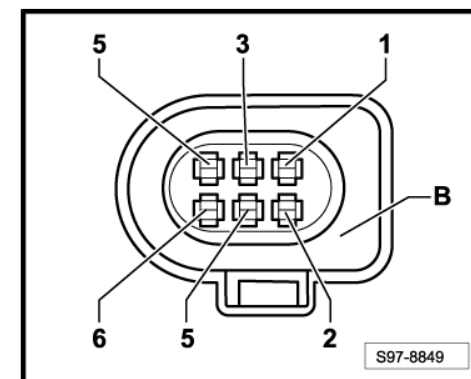
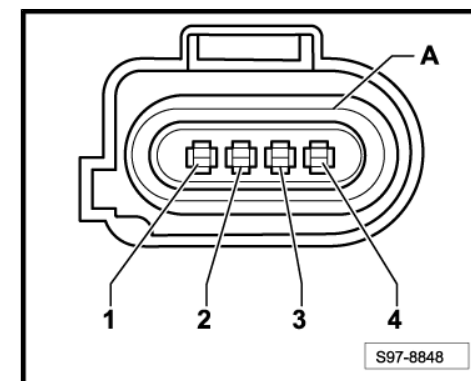


Note

The fitting location of the lambda probe can differ depending on the engine type.



1.27.2 Pin assignment

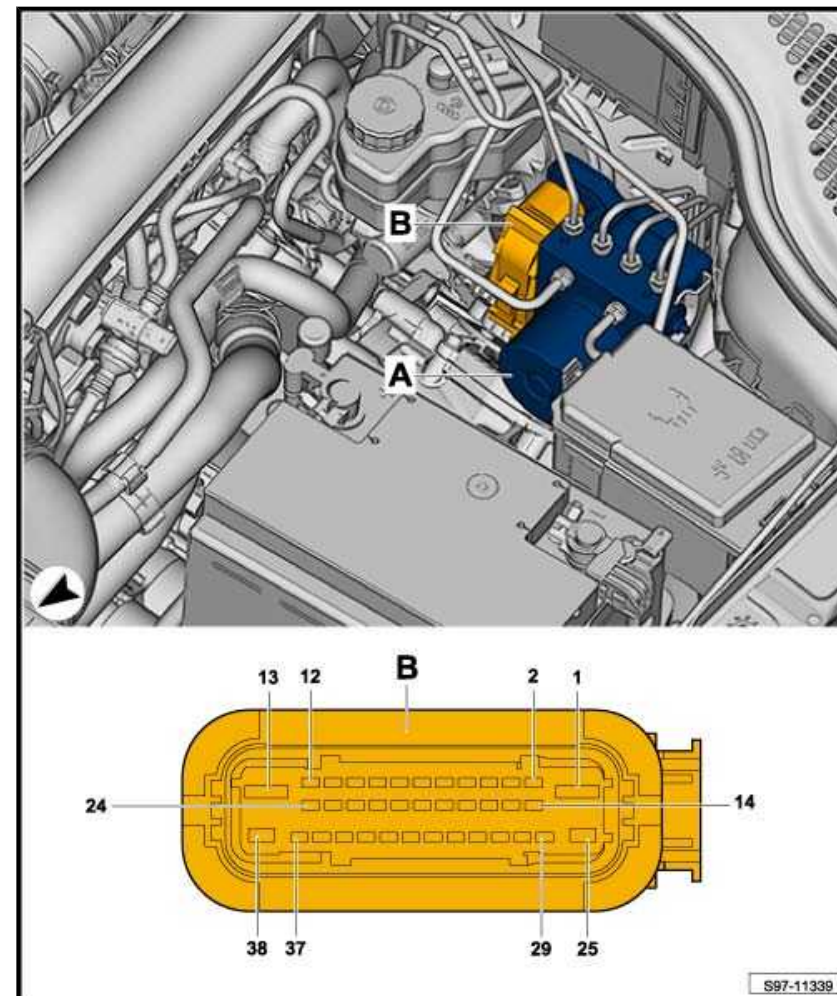




- A - 4-pin connector, at wiring harness - T4f
- B - 6-pin connector, at wiring harness - T6h

1.28 ABS control unit -J104-

1.28.1 Fitting location

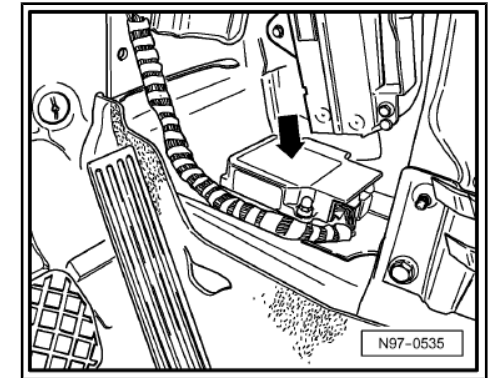


- A - ABS control unit -J104-
- B - 38-pin connector, at wiring harness - T38a

1.29 Airbag control unit -J234-

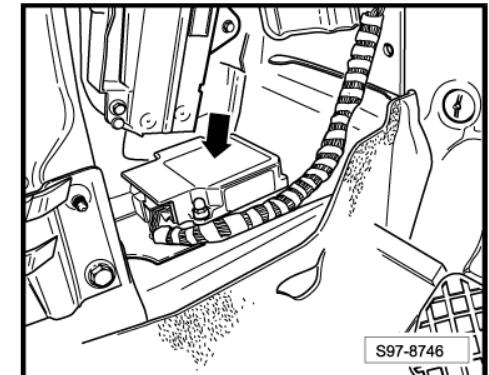
1.29.1 Fitting location (only for vehicles with left-hand drive)

Below the front centre console -arrow-.

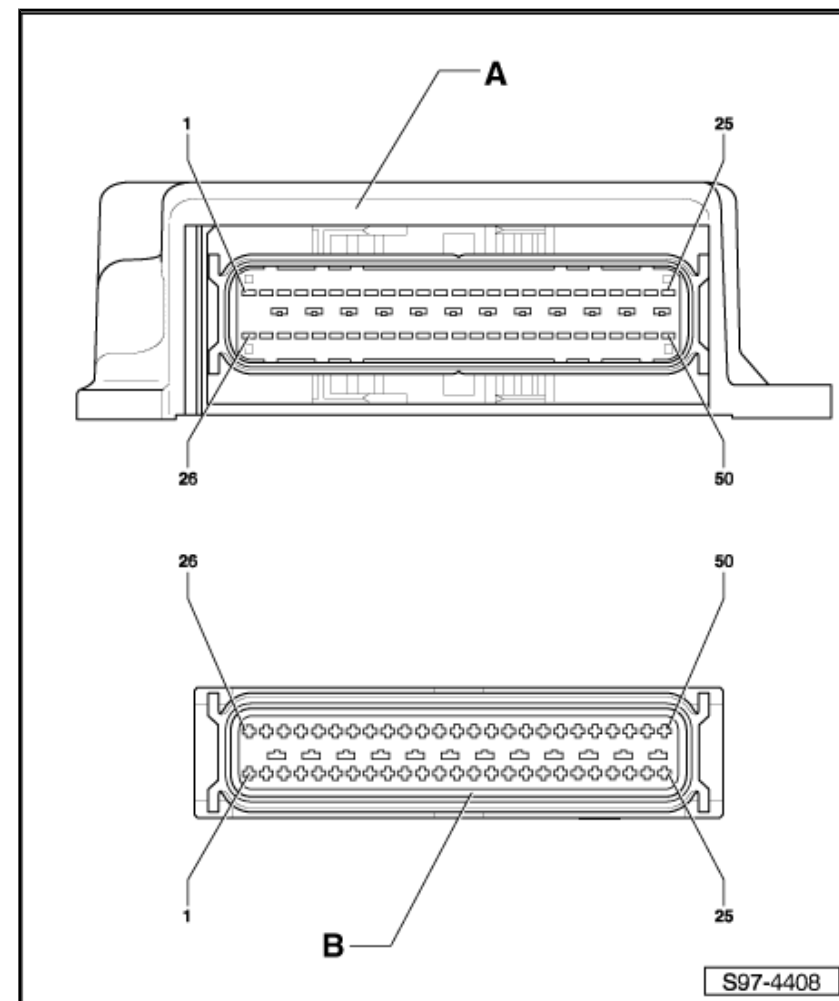


1.29.2 Fitting location (only for vehicles with right-hand drive)

Below the front centre console -arrow-.



1.29.3 Pin assignment

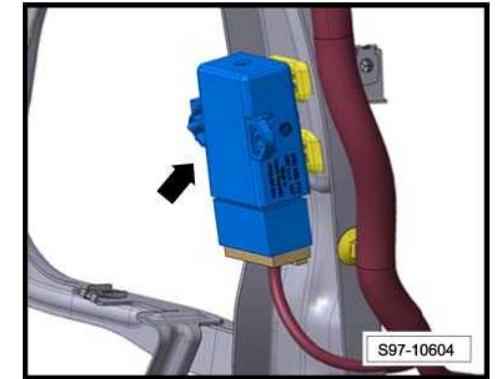


- A - Airbag control unit -J234-
- B - 50-pin connector, at wiring harness - T50a

1.30 Heated front seat control unit -J774-

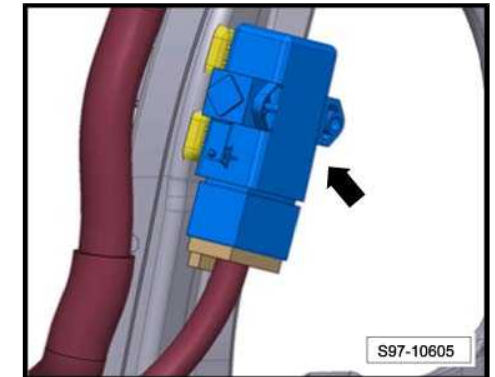
1.30.1 Fitting location (only for vehicles with left-hand drive)

Below the dash panel, near centre console -arrow-.



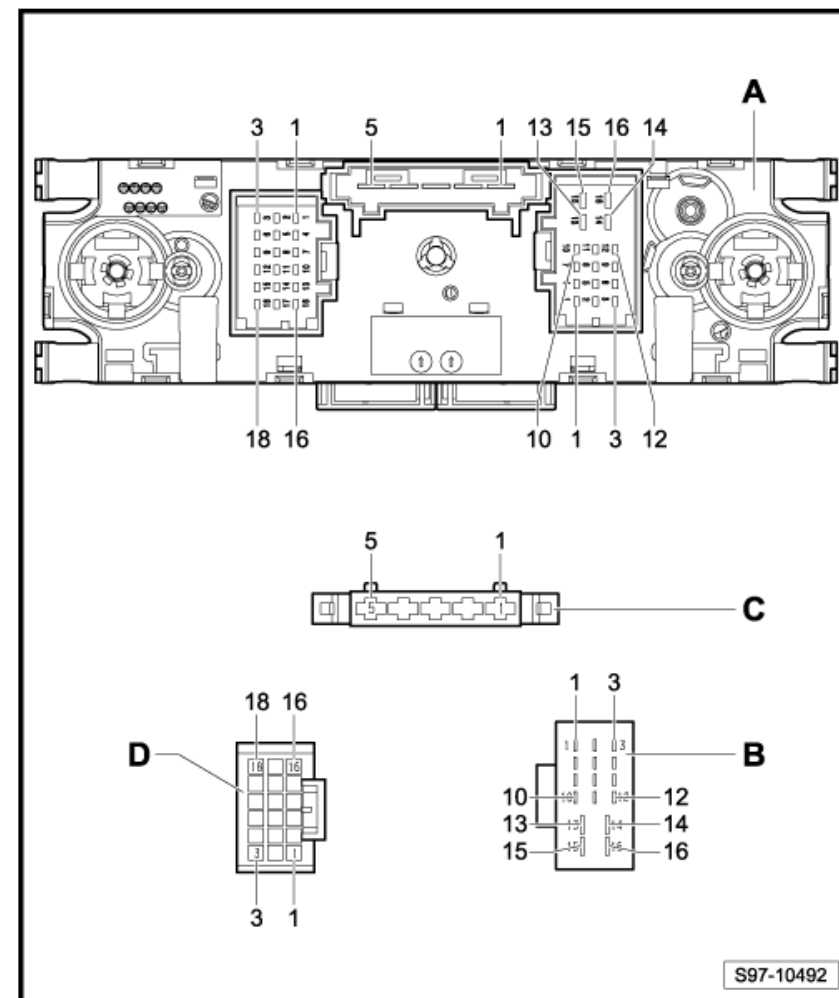
1.30.2 Fitting location (only for vehicles with right-hand drive)

Below the dash panel, near centre console -arrow-.



1.31 Heater control unit -J65-

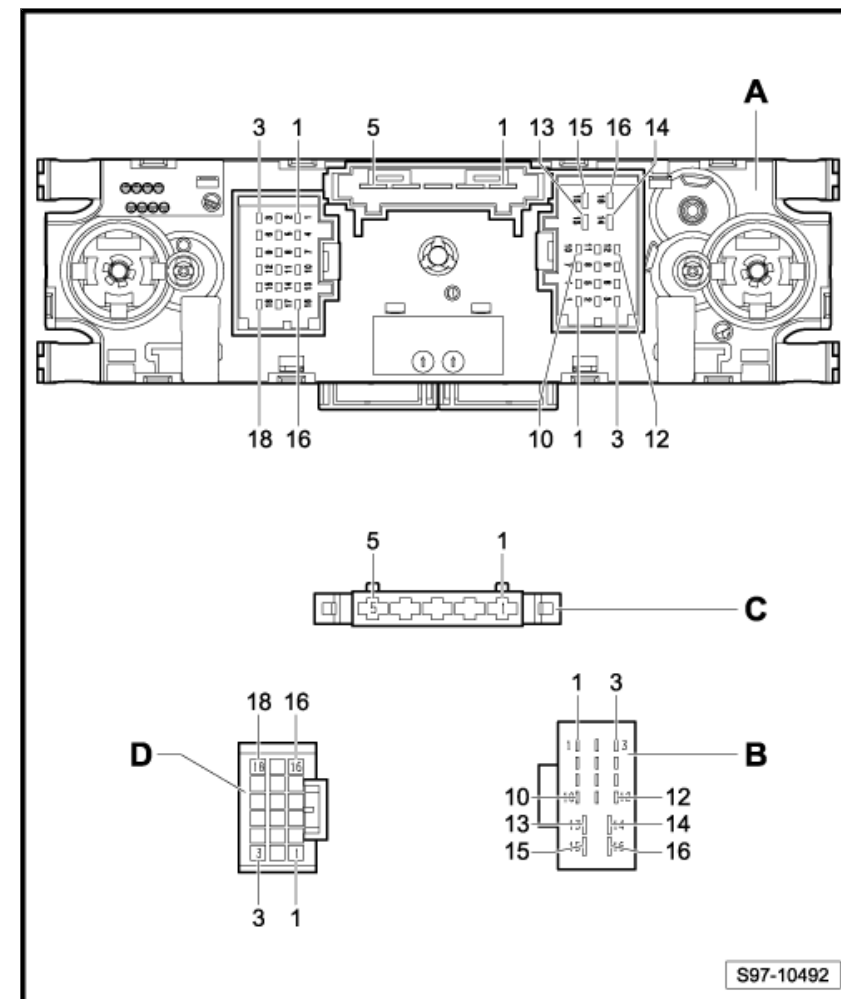
1.31.1 Pin assignment



- A - Heater control unit -J65-
- B - 16-pin connector, at wiring harness - T16h 16-pin connector, at wiring harness - T16e
- C - 5-pin connector, at wiring harness - T5f
- D - not assigned 18-pin connector, on wiring harness - T18b

1.32 Pin assignment Air conditioning system control unit-J301-

1.32.1 Pin assignment



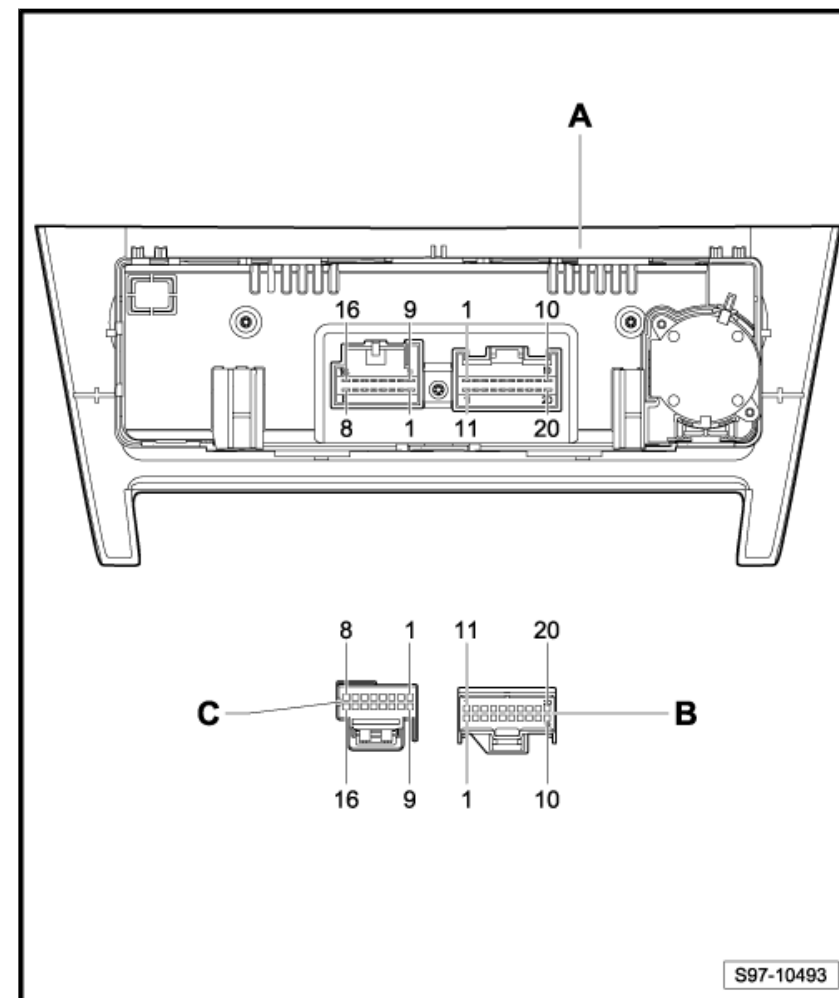
A - Air conditioning system control unit-J301-



- B - 16-pin connector, at wiring harness - T16j
- C - 5-pin connector, at wiring harness - T5f
- D - 18-pin connector, at wiring harness - T18b

1.33 Climatronic control unit -J255-

1.33.1 Pin assignment



- A - Climatronic control unit -J255-
- B - 20-pin connector, at wiring harness - T20a
- C - 16-pin connector, at wiring harness - T16d

1 Control units in the rear part of the vehicle

1.1 Overview of the control units (only for vehicles with left-hand drive)

1 - Window regulator front passenger side -V148-

- ☐ Fitting location ⇒ [page 5](#)
- ☐ Pin assignment ⇒ [page 5](#)

2 - Window regulator switch in front passenger door -E107-

- ☐ Fitting location ⇒ [page 7](#)
- ☐ Pin assignment ⇒ [page 7](#)

3 - Central locking lock unit, front passenger side -F221-

- ☐ Fitting location ⇒ [page 9](#)

4 - Window regulator motor, rear right -V27-

- ☐ Fitting location ⇒ [page 11](#)
- ☐ Pin assignment ⇒ [page 11](#)

5 - Window regulator switch in rear right door -E54-

- ☐ Fitting location ⇒ [page 13](#)
- ☐ Pin assignment ⇒ [page 13](#)

6 - Fuel pump control unit -J538-

- ☐ Fitting location ⇒ [page 15](#)
- ☐ Pin assignment ⇒ [page 15](#)

7 - Fuel gauge sender -G- Fuel pump for predelivery -G6-

- ☐ Fitting location ⇒ [page 17](#)
- ☐ Pin assignment ⇒ [page 17](#)

8 - Central locking lock unit, rear right -F223-

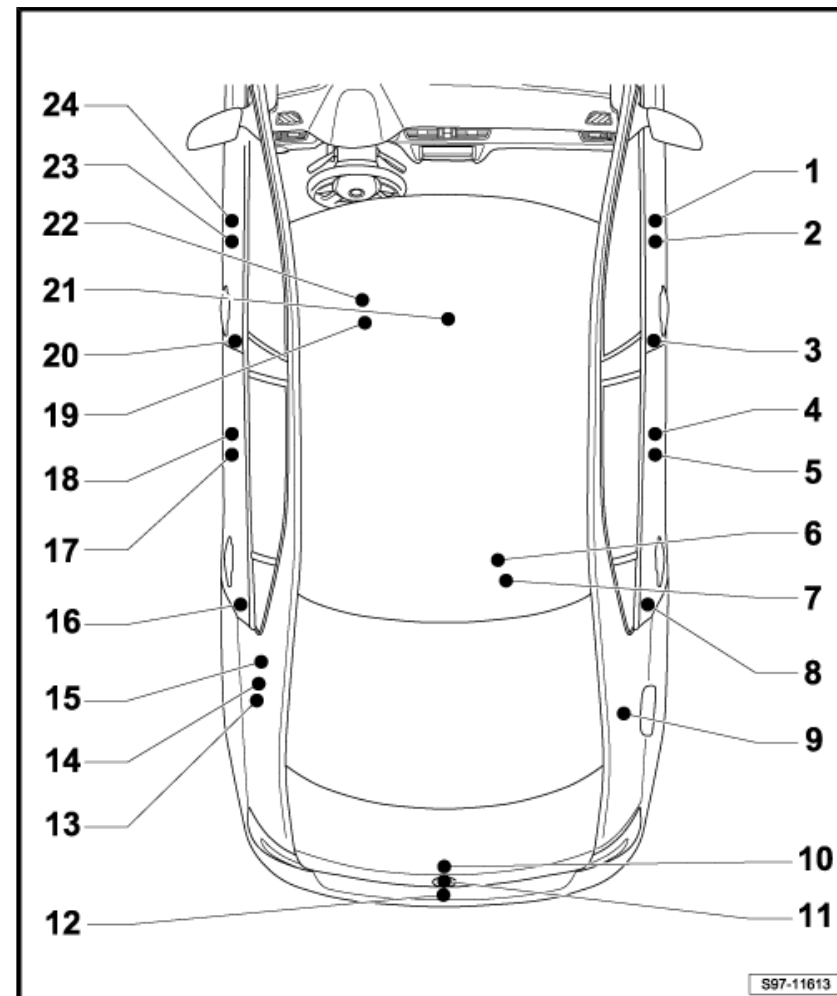
- ☐ Fitting location ⇒ [page 18](#)

9 - Trailer detector control unit -J345-

- ☐ Fitting location (Rapid NH) ⇒ [page 19](#)
- ☐ Fitting location (Rapid NH Spaceback) ⇒ [page 19](#)

10 - Rear window wiper motor -V12-

- ☐ Fitting location ⇒ [page 20](#)
- ☐ Pin assignment ⇒ [page 20](#)



11 - Rear view camera system -R189-

- ☐ Fitting location ⇒ [page 22](#)

12 - Rear lock lid unit -F256- engine for central locking system in tailgate -V53-

- ☐ Fitting location ⇒ [page 23](#)
- ☐ Pin assignment ⇒ [page 23](#)

13 - 12 V socket -U5-**14 - Parking aid control unit -J446-**

- ☐ Fitting location (Rapid NH) ⇒ [page 25](#)
- ☐ Fitting location (Rapid NH Spaceback) ⇒ [page 25](#)

15 - Heated rear seat control unit -J786-

- ☐ Fitting location ⇒ [page 25](#)

16 - Central locking lock unit, rear left -F222-

- ☐ Fitting location ⇒ [page 27](#)

17 - Window regulator switch in rear left door -E52-

- ☐ Fitting location ⇒ [page 28](#)
- ☐ Pin assignment ⇒ [page 28](#)

18 - Window regulator motor, rear left -V26-

- ☐ Fitting location ⇒ [page 30](#)
- ☐ Pin assignment ⇒ [page 30](#)

19 - Control unit for wireless data transfer -J1070-

- ☐ Fitting location ⇒ [page 32](#)

20 - Central locking lock unit, driver side -F220-

- ☐ Fitting location ⇒ [page 32](#)

21 - Socket -U-

- ☐ Fitting location ⇒ [page 35](#)
- ☐ Pin assignment ⇒ [page 35](#)

22 - Voltage stabiliser -J532-

- ☐ Fitting location ⇒ [page 35](#)

23 - Operating unit for window regulators in driver door -E512-

- ☐ Fitting location ⇒ [page 38](#)

24 - Window regulator motor driver's side -V147-

- ☐ Fitting location ⇒ [page 38](#)
- ☐ Pin assignment ⇒ [page 39](#)

1.2 Overview of the control units (only for vehicles with right-hand drive)

1 - Window regulator motor driver's side -V147-

- ☐ Fitting location [⇒ page 39](#)
- ☐ Pin assignment [⇒ page 39](#)

2 - Operating unit for window regulators in driver door -E512-

- ☐ Fitting location [⇒ page 38](#)

3 - Socket -U-

- ☐ Fitting location [⇒ page 35](#)
- ☐ Pin assignment [⇒ page 35](#)

4 - Central locking lock unit, driver side -F220-

- ☐ Fitting location [⇒ page 34](#)

5 - Window regulator motor, rear right -V27-

- ☐ Fitting location [⇒ page 11](#)
- ☐ Pin assignment [⇒ page 11](#)

6 - Window regulator switch in rear right door -E54-

- ☐ Fitting location [⇒ page 13](#)
- ☐ Pin assignment [⇒ page 13](#)

7 - Central locking lock unit, rear right -F223-

- ☐ Fitting location [⇒ page 18](#)

8 - Trailer detector control unit -J345-

- ☐ Fitting location (Rapid NH) [⇒ page 19](#)
- ☐ Fitting location (Rapid NH Spaceback) [⇒ page 19](#)

9 - Rear window wiper motor -V12-

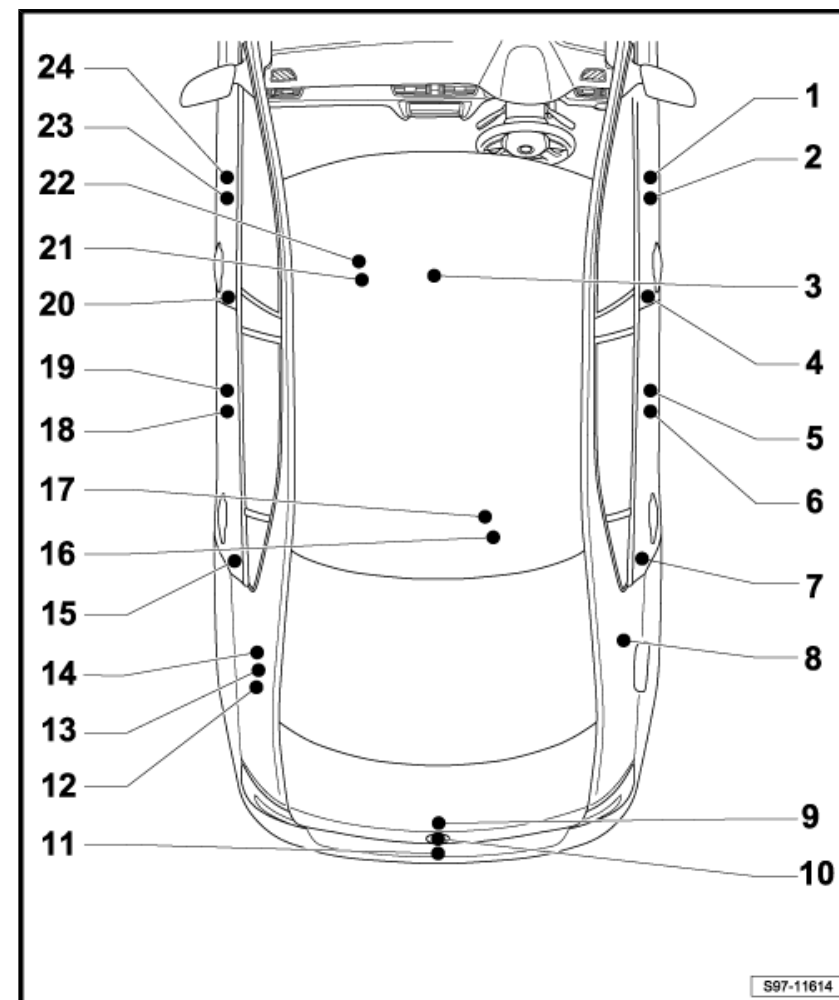
- ☐ Fitting location [⇒ page 20](#)
- ☐ Pin assignment [⇒ page 20](#)

10 - Rear view camera system -R189-

- ☐ Fitting location [⇒ page 22](#)

11 - Rear lock lid unit -F256- engine for central locking system in tailgate -V53-

- ☐ Fitting location [⇒ page 23](#)
- ☐ Pin assignment [⇒ page 23](#)



12 - 12 V socket -U5-
13 - Parking aid control unit -J446-

- ☐ Fitting location (Rapid NH) [⇒ page 25](#)
- ☐ Fitting location (Rapid NH Spaceback) [⇒ page 25](#)

14 - Heated rear seat control unit -J786-

- ☐ Fitting location [⇒ page 25](#)

15 - Central locking lock unit, rear left -F222-

- ☐ Fitting location [⇒ page 27](#)

16 - Fuel gauge sender -G- Fuel pump for predelivery -G6-

- ☐ Fitting location [⇒ page 17](#)
- ☐ Pin assignment [⇒ page 17](#)

17 - Fuel pump control unit -J538-

- ☐ Fitting location [⇒ page 15](#)
- ☐ Pin assignment [⇒ page 15](#)

18 - Window regulator switch in rear left door -E52-

- ☐ Fitting location [⇒ page 28](#)
- ☐ Pin assignment [⇒ page 28](#)

19 - Window regulator motor, rear left -V26-

- ☐ Fitting location [⇒ page 30](#)
- ☐ Pin assignment [⇒ page 30](#)

20 - Central locking lock unit, front passenger side -F221-

- ☐ Fitting location [⇒ page 10](#)

21 - Control unit for wireless data transfer -J1070-

- ☐ Fitting location [⇒ page 32](#)

22 - Voltage stabiliser -J532-

- ☐ Fitting location [⇒ page 37](#)

23 - Window regulator switch in front passenger door -E107-

- ☐ Fitting location [⇒ page 7](#)
- ☐ Pin assignment [⇒ page 7](#)

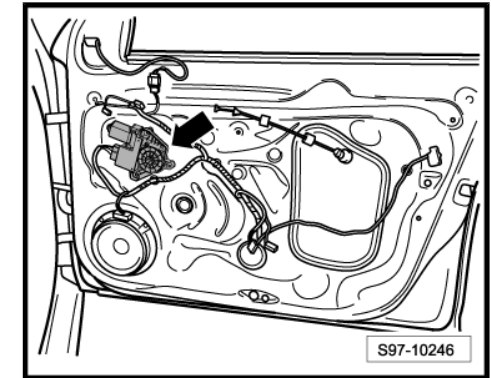
24 - Window regulator front passenger side -V148-

- ☐ Fitting location [⇒ page 5](#)
- ☐ Pin assignment [⇒ page 5](#)

1.3 Window regulator front passenger side -V148-

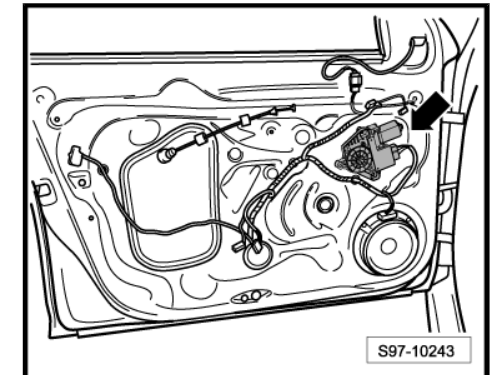
1.3.1 Fitting location (only for vehicles with left-hand drive)

At assembly carrier, in front passenger door -arrow-.

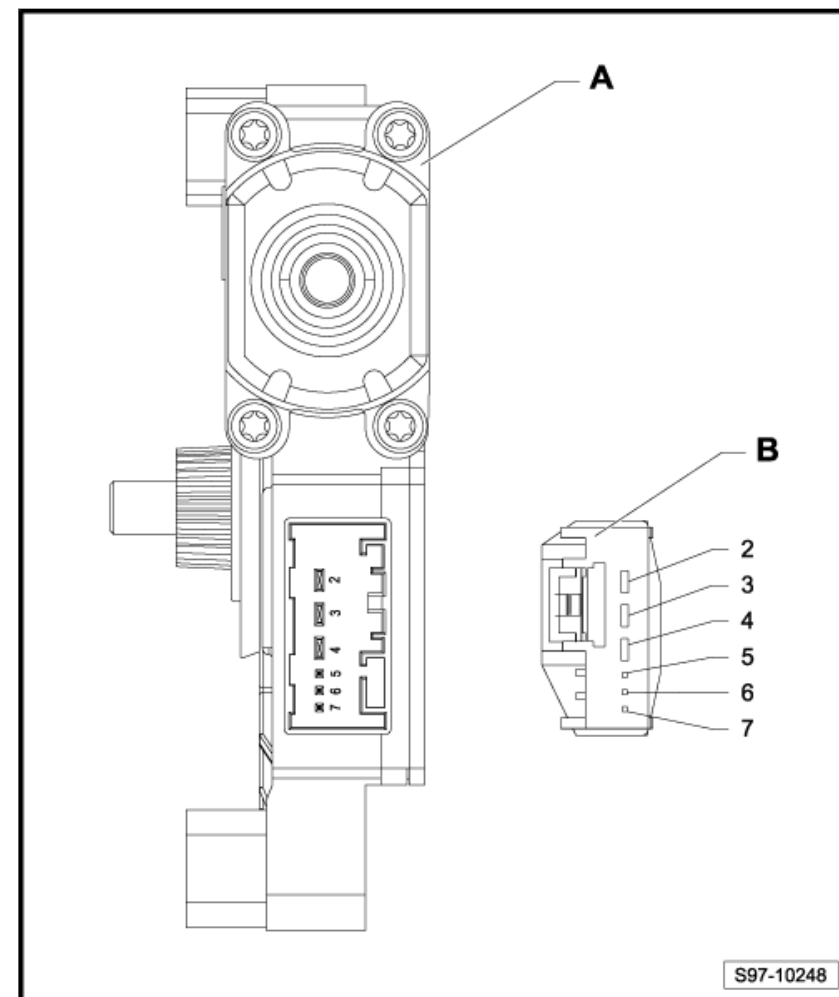


1.3.2 Fitting location (only for vehicles with right-hand drive)

At assembly carrier, in front passenger door -arrow-.



1.3.3 Pin assignment

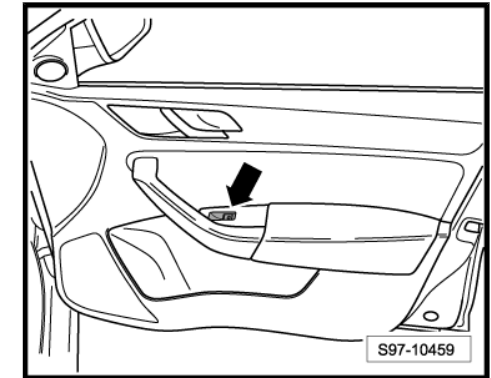


- A - Window regulator front passenger side -V148-
- B - 10-pin connector, at wiring harness - T10r

1.4 Window regulator switch in front passenger door -E107-

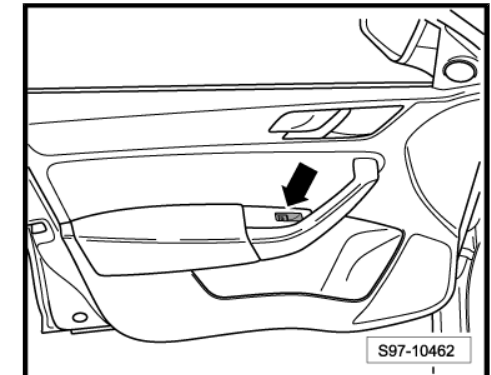
1.4.1 Fitting location (only for vehicles with left-hand drive)

At the door trim, front right -arrow-.

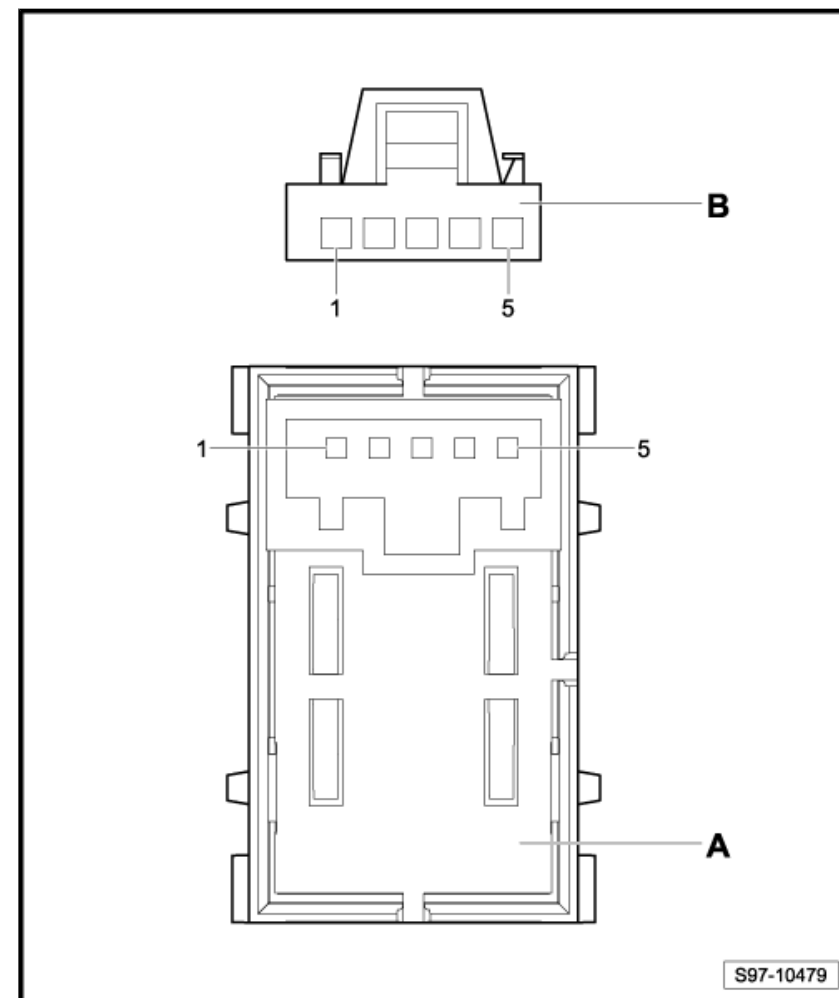


1.4.2 Fitting location (only for vehicles with right-hand drive)

At the door trim, front left -arrow-.



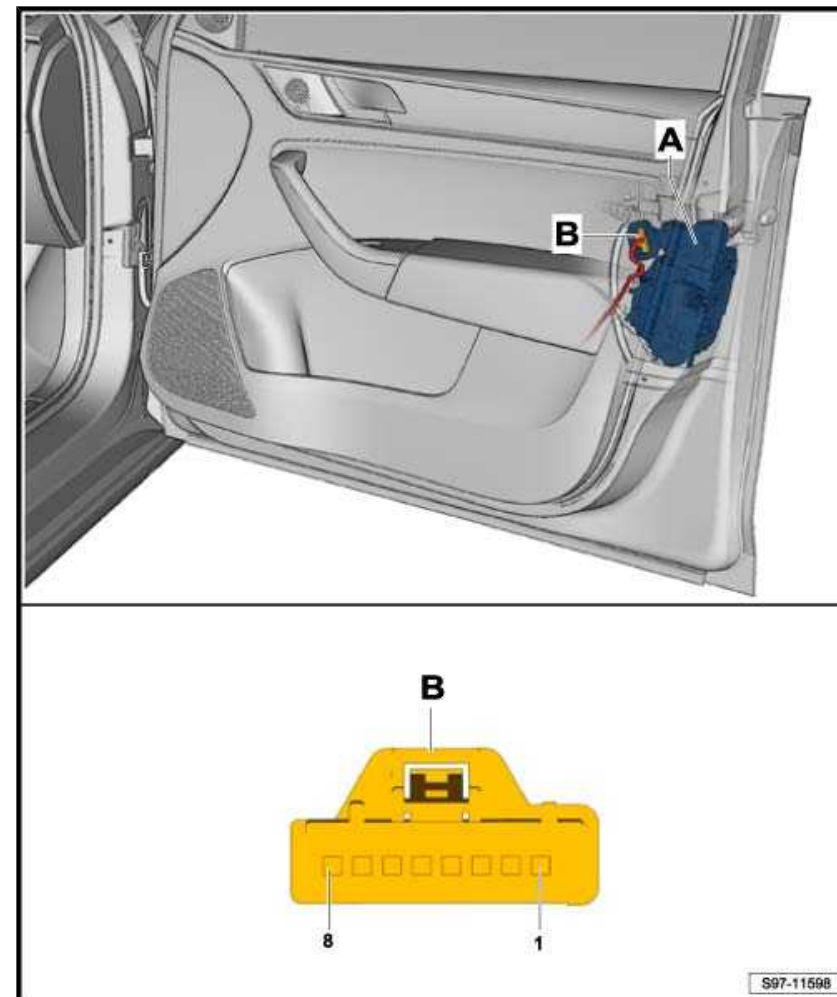
1.4.3 Pin assignment



- A - Window regulator switch in front passenger door -E107-
- B - 5-pin connector, at wiring harness - T5g

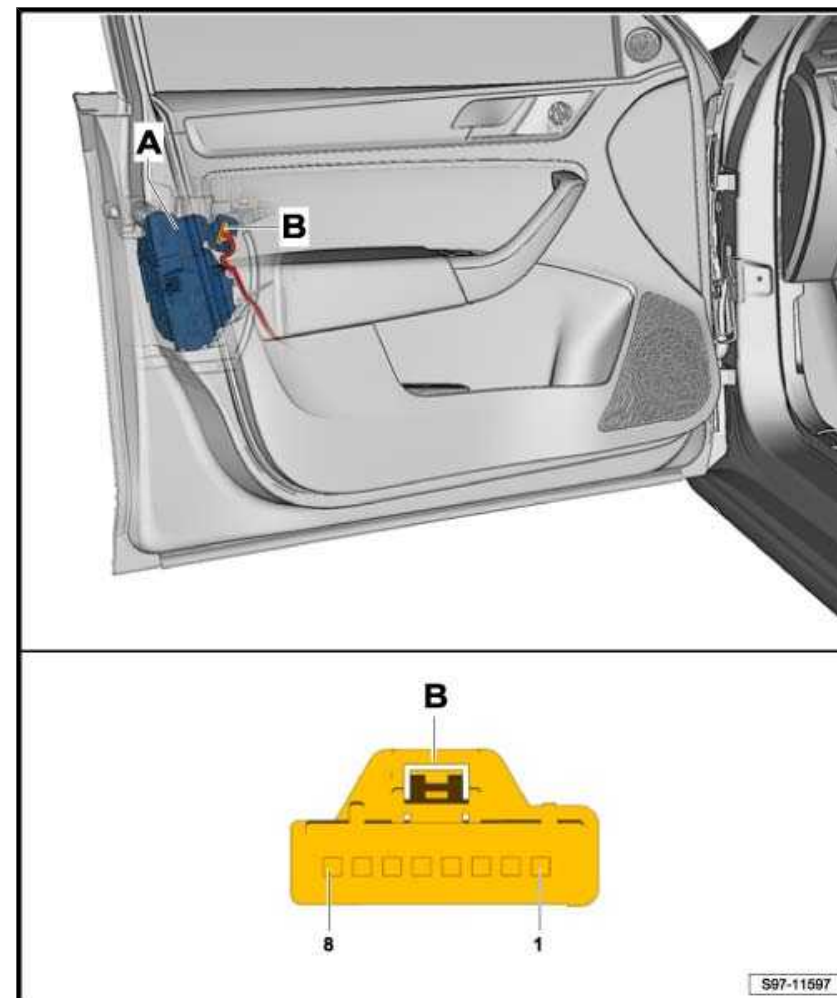
1.5 Central locking lock unit, front passenger side -F221-

1.5.1 Fitting location (only for left-hand drive vehicles)



- A - Central locking lock unit, front passenger side -F221-
- B - 8-pin connector, at wiring harness - T8e

1.5.2 Fitting location (only for right-hand drive vehicles)

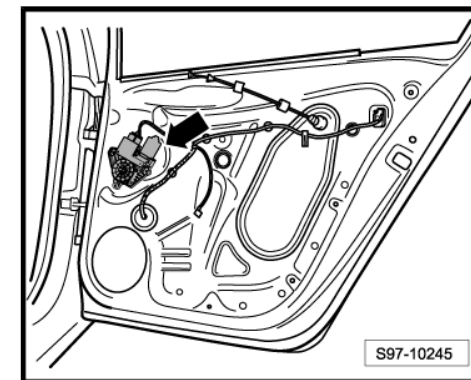


- A - Central locking lock unit, front passenger side -F221-
- B - 8-pin connector, at wiring harness - T8e

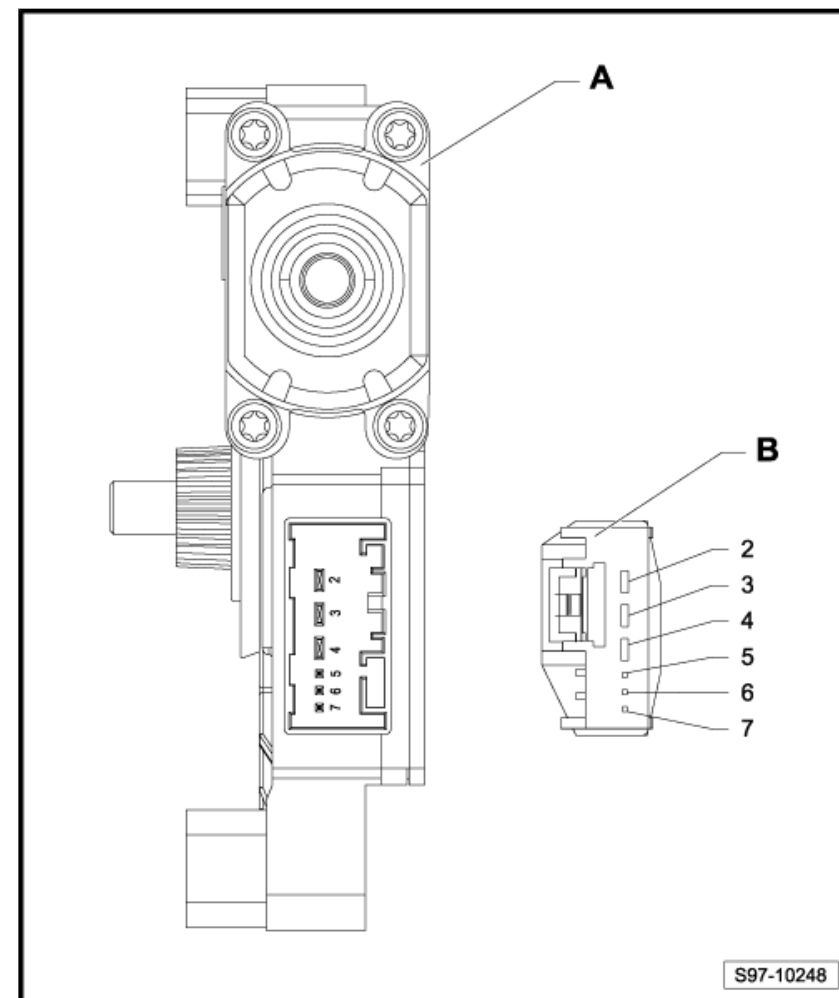
1.6 Window regulator motor, rear right -V27-

1.6.1 Fitting location

At assembly carrier -arrow-.



1.6.2 Pin assignment

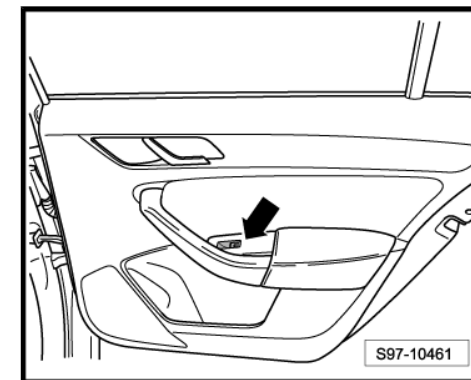


- A - Window regulator motor, rear right -V27-
- B - 10-pin connector, at wiring harness - T10v

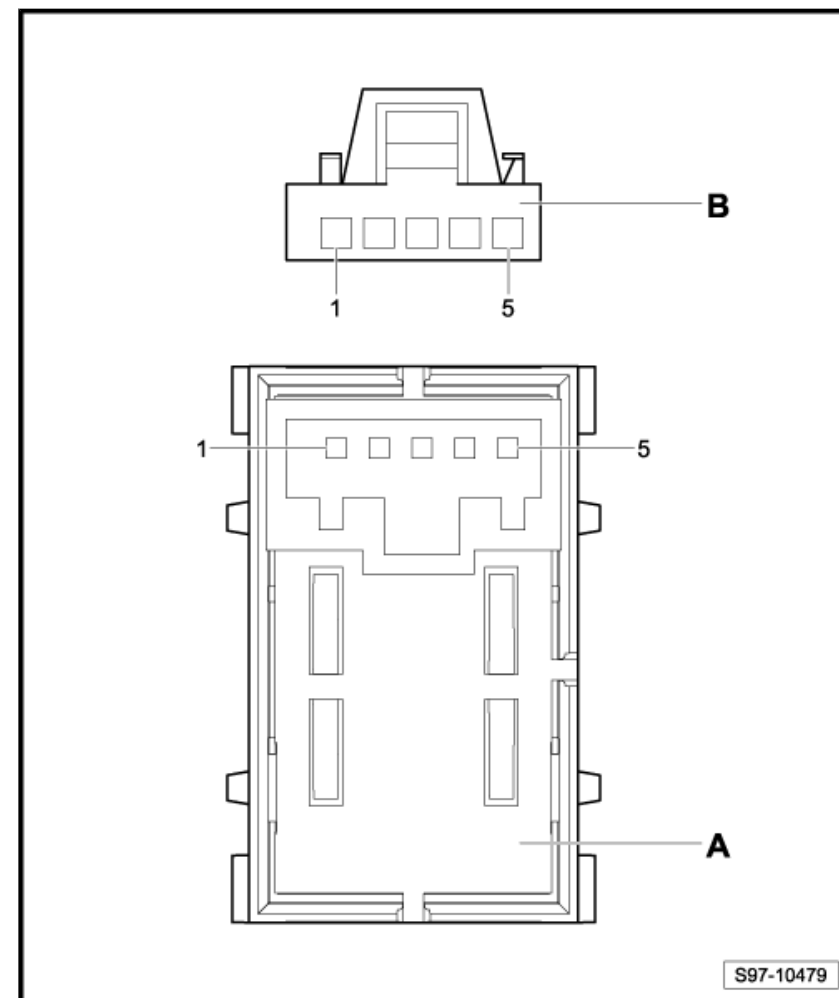
1.7 Window regulator switch in rear right door -E54-

1.7.1 Fitting location

At the door trim, rear right -arrow-.



1.7.2 Pin assignment

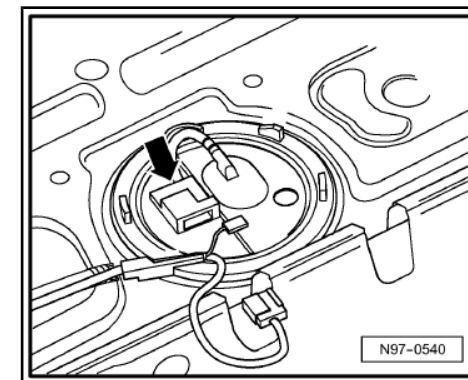


- A - Window regulator switch in rear right door -E54-
- B - 5-pin connector, at wiring harness - T5j

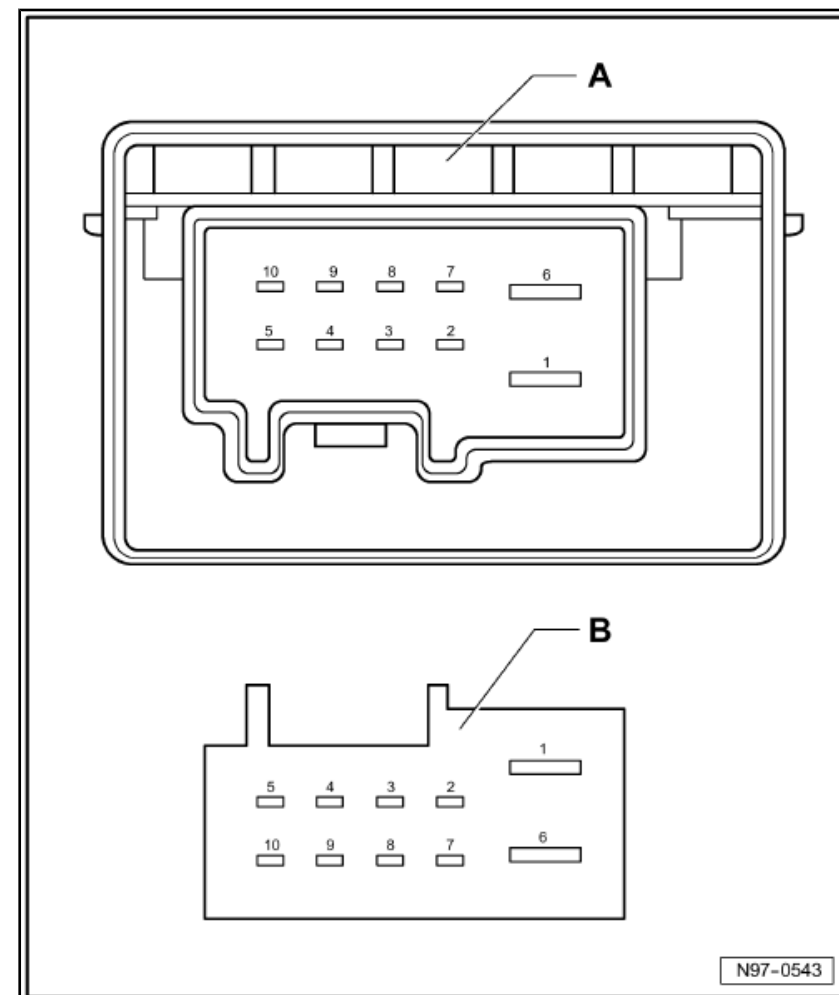
1.8 Fuel pump control unit -J538-

1.8.1 Fitting location

Under the right rear bench seat, on the fuel delivery unit -arrow-



1.8.2 Pin assignment

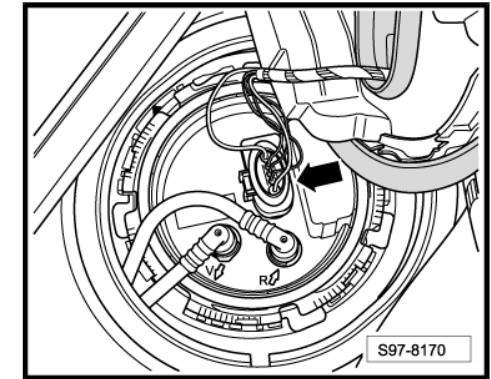


- A** - Fuel pump control unit -J538-
- B** - 10-pin connector, at wiring harness - T10j

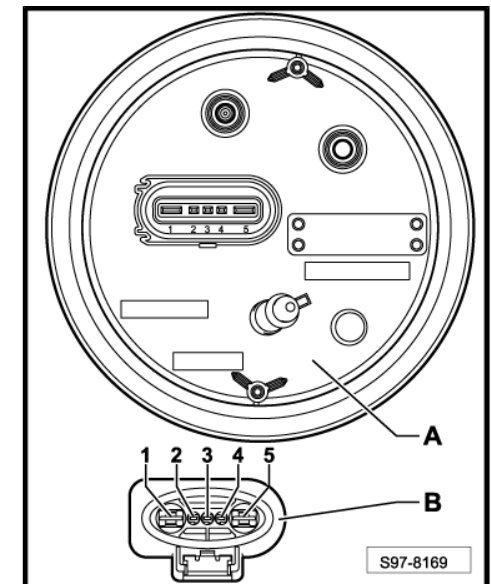
1.9 Fuel gauge sender -G- Fuel pump for predelivery -G6-

1.9.1 Fitting location

Below the right rear bench seat -arrow-.



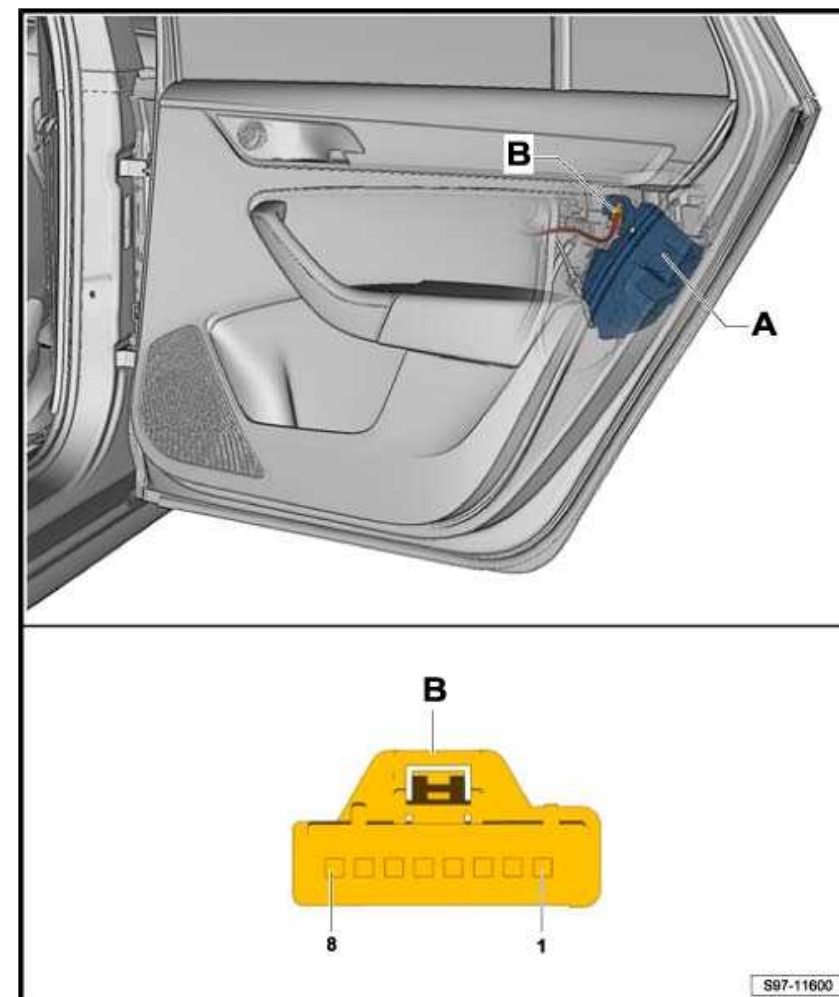
1.9.2 Pin assignment



- A - Fuel gauge sender -G- Fuel pump for predelivery -G6-
- B - 5-pin connector, at wiring harness - T5a

1.10 Central locking lock unit, rear right -F223-

1.10.1 Fitting location

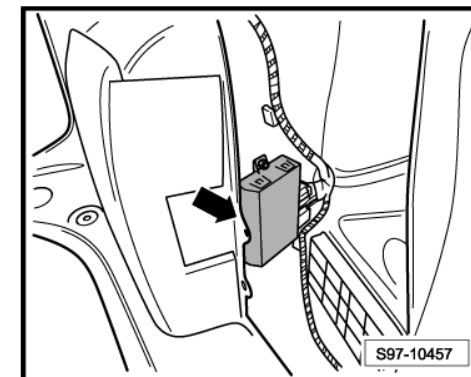


- A - Central locking lock unit, rear right -F223-
- B - 8-pin connector, at wiring harness - T8g

1.11 Trailer detector control unit -J345-

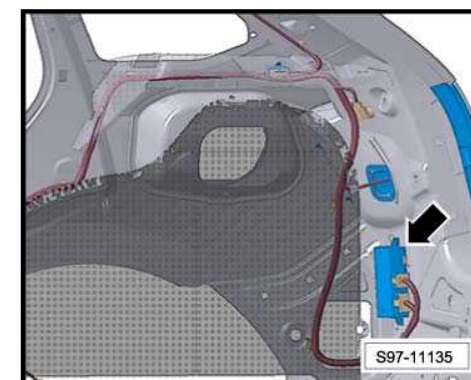
1.11.1 Fitting location (Rapid NH)

In luggage compartment, right -arrow-.



1.11.2 Fitting location (Rapid NH Spaceback)

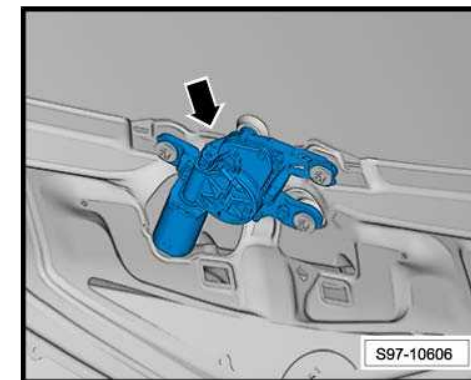
In luggage compartment, right -arrow-.



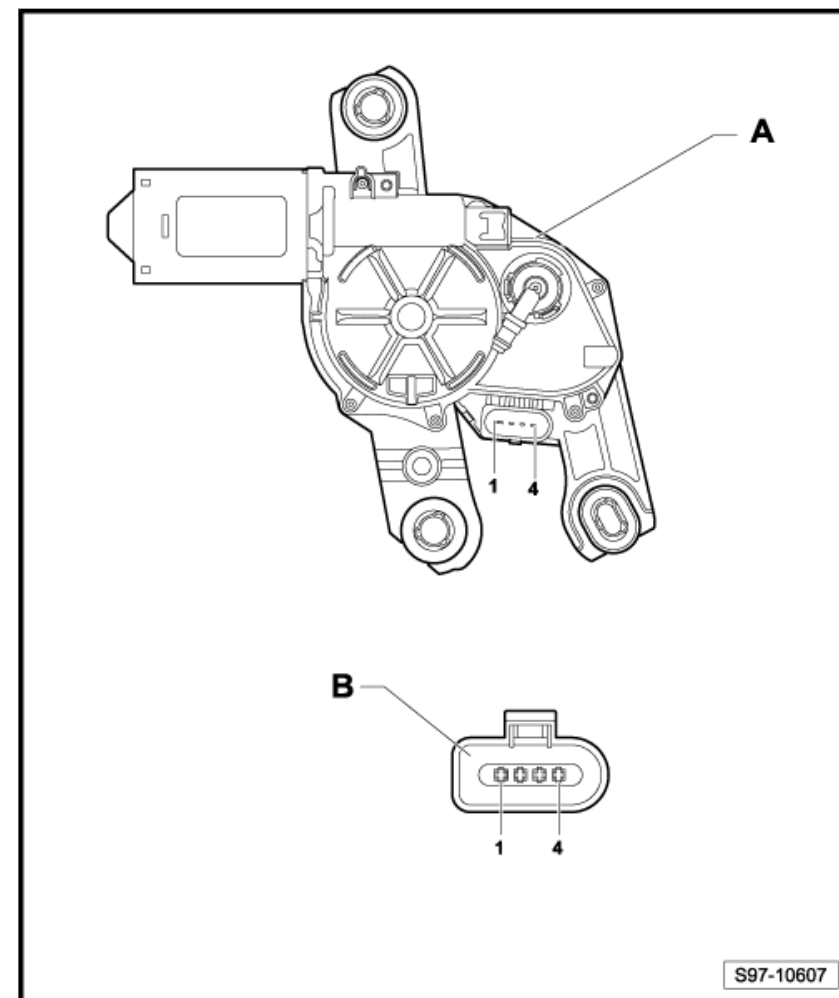
1.12 Rear window wiper motor -V12-

1.12.1 Fitting location

In the tailgate -arrow-.



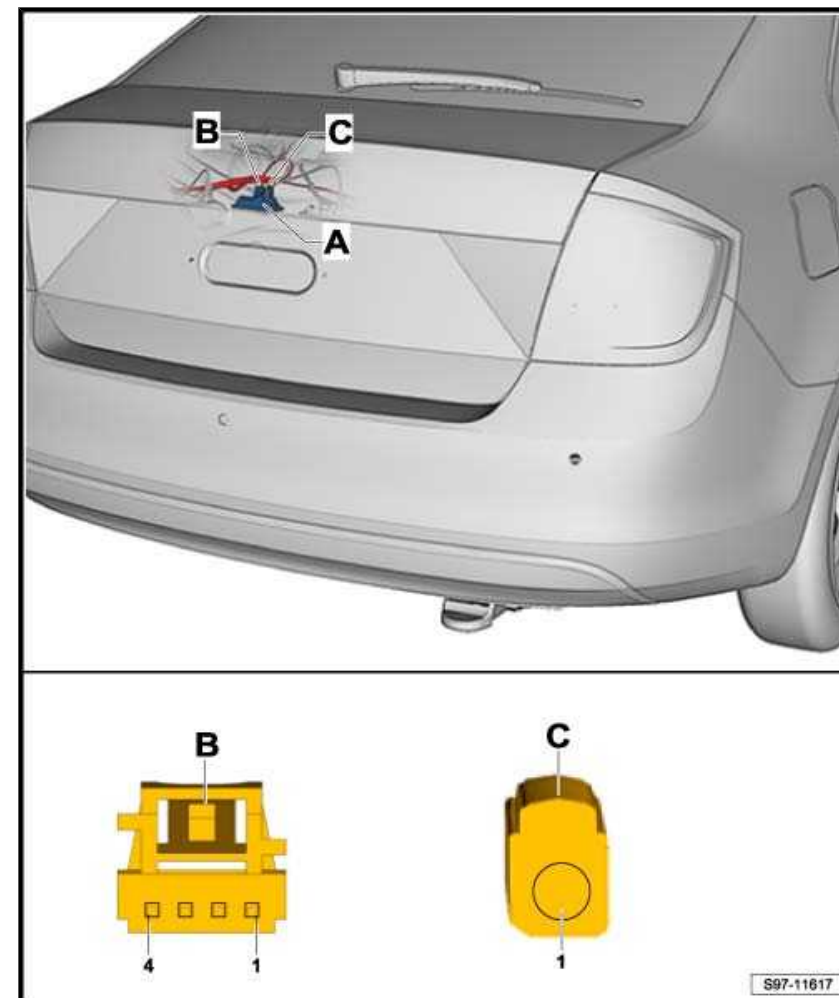
1.12.2 Pin assignment



- A - Rear window wiper motor -V12-
- B - 4-pin connector, at wiring harness - T4b

1.13 Rear view camera system -R189-

1.13.1 Fitting location

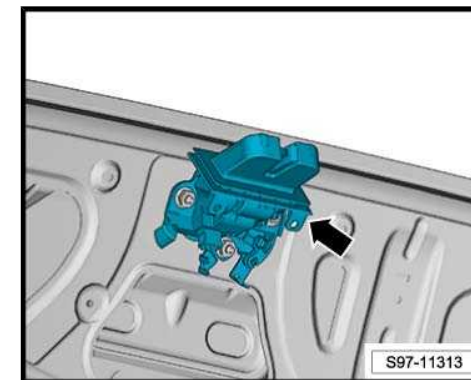


- A - Rear view camera system -R189-
- B - 4-pin connector, at wiring harness - T4ag
- C - 1-pin connector, at wiring harness - T1b

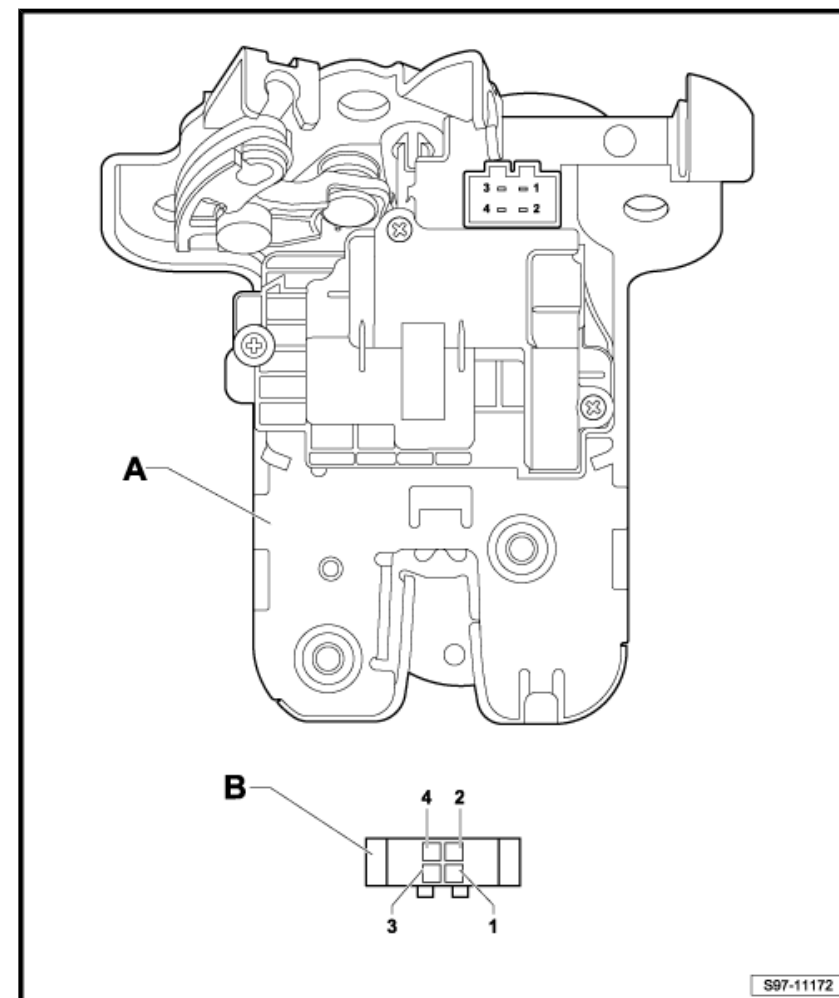
1.14 Rear lock lid unit -F256- engine for central locking system in tailgate -V53-

1.14.1 Fitting location

In the tailgate -arrow-.



1.14.2 Pin assignment

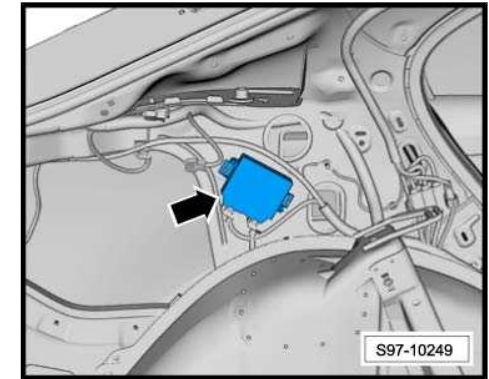


- A - Rear lock lid unit -F256- engine for central locking system in tailgate -V53-
- B - 4-pin connector, at wiring harness - T4c

1.15 Parking aid control unit -J446-

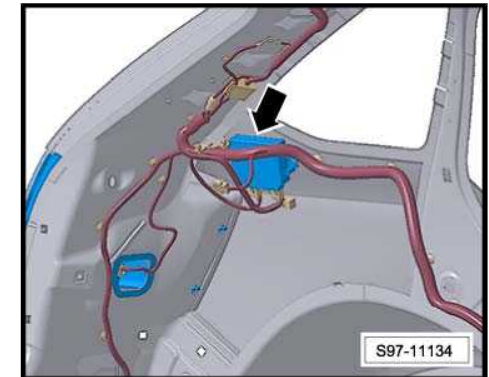
1.15.1 Fitting location (Rapid NH)

In luggage compartment, left -arrow-.



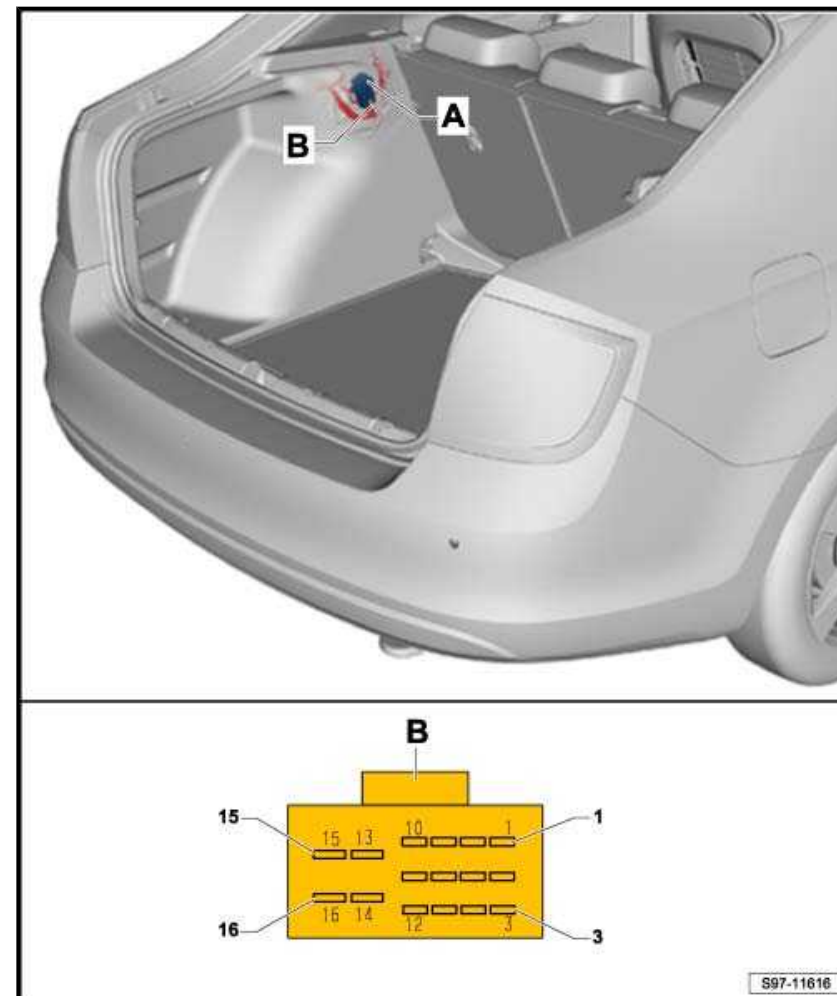
1.15.2 Fitting location (Rapid NH Spaceback)

In luggage compartment, left -arrow-.



1.16 Heated rear seat control unit -J786-

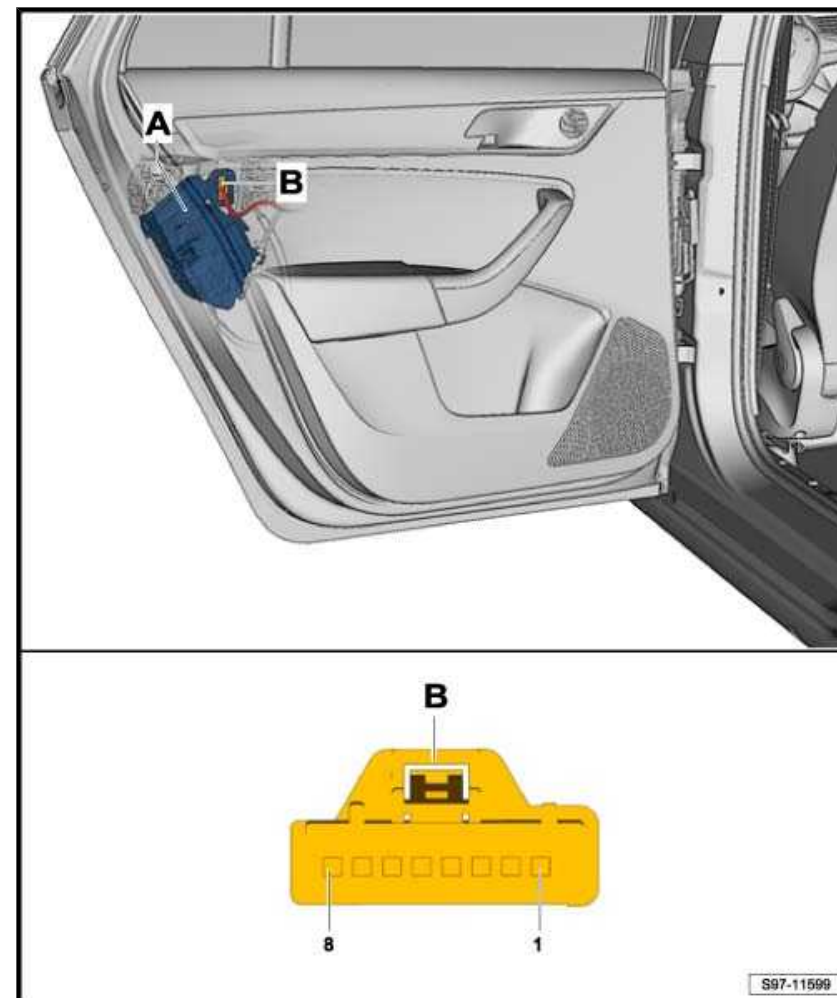
1.16.1 Fitting location



- A - Heated rear seat control unit -J786-
- B - 16-pin connector, at wiring harness - T16k

1.17 Central locking lock unit, rear left -F222-

1.17.1 Fitting location

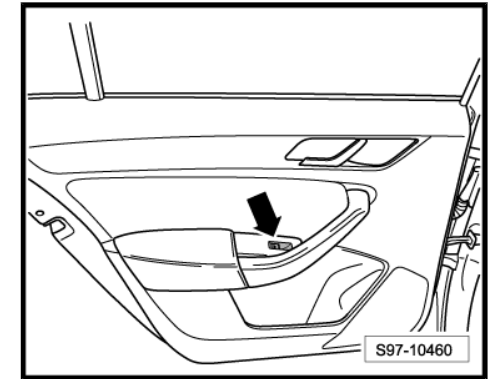


- A - Central locking lock unit, rear left -F222-
- B - 8-pin connector, at wiring harness - T8f

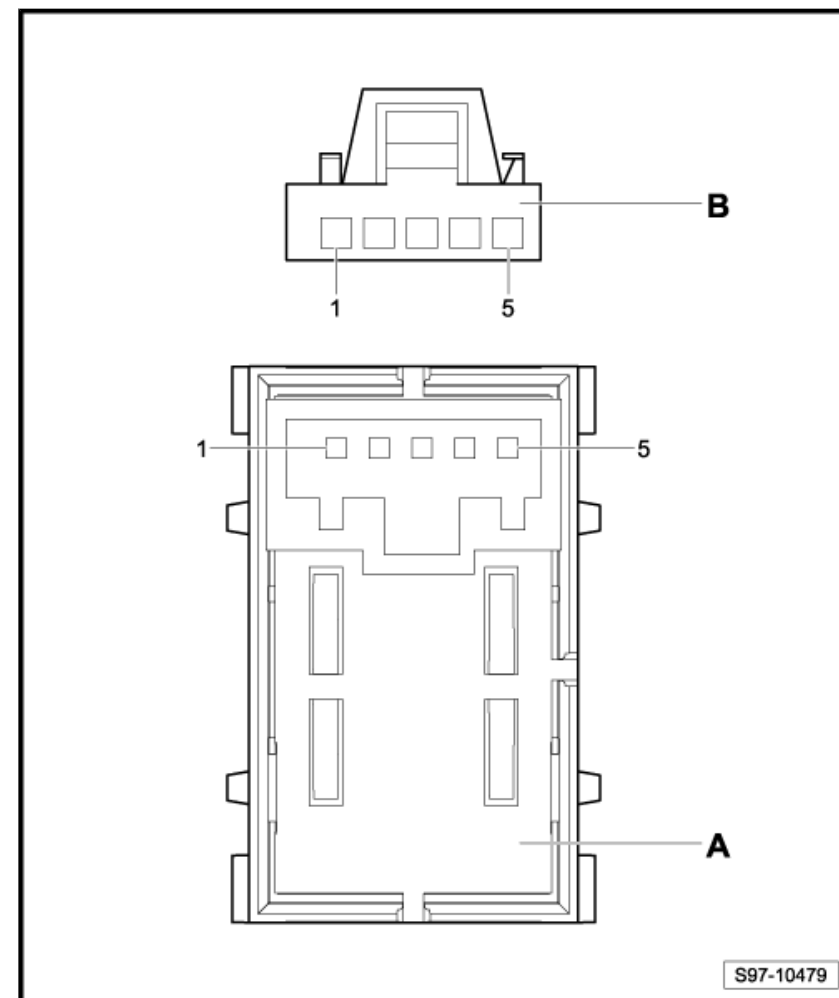
1.18 Window regulator switch in rear left door -E52-

1.18.1 Fitting location

At the door trim, rear left -arrow-.



1.18.2 Pin assignment



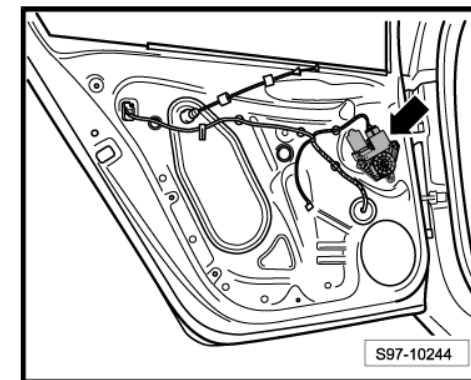
S97-10479

- A - Window regulator switch in rear left door -E52-
- B - 5-pin connector, at wiring harness - T5h

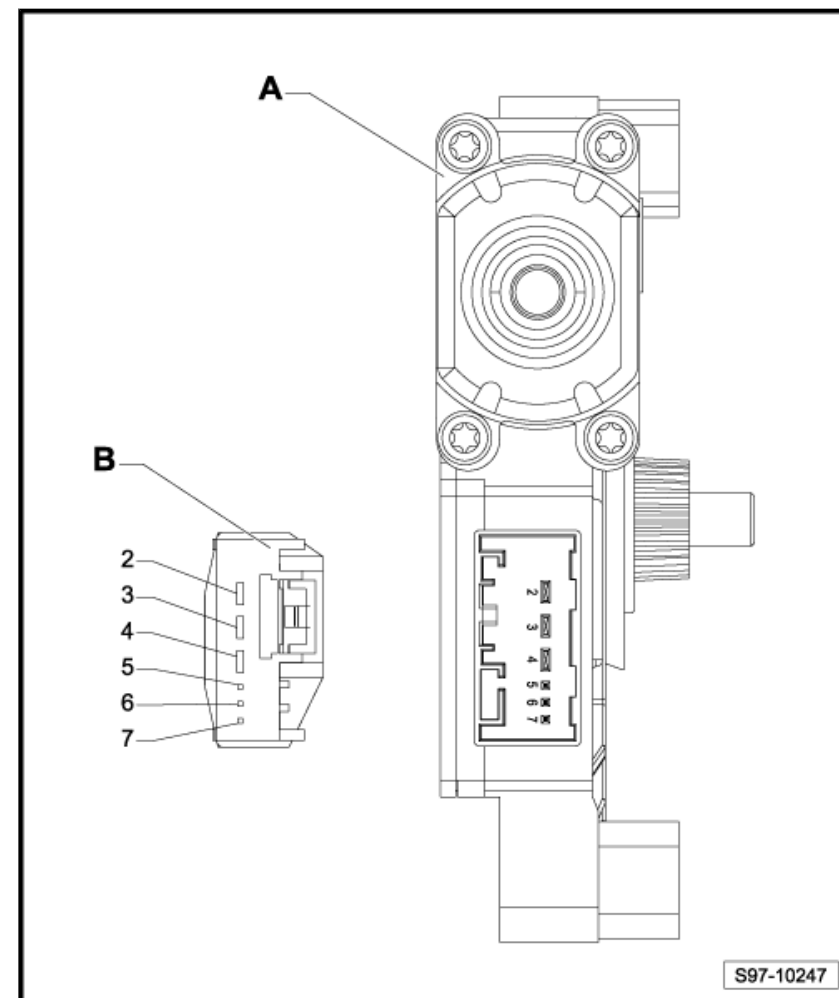
1.19 Window regulator motor, rear left -V26-

1.19.1 Fitting location

At assembly carrier -arrow-.



1.19.2 Pin assignment



- A - Window regulator motor, rear left -V26-
- B - 10-pin connector, at wiring harness - T10u

1.20 Control unit for wireless data transfer -J1070-

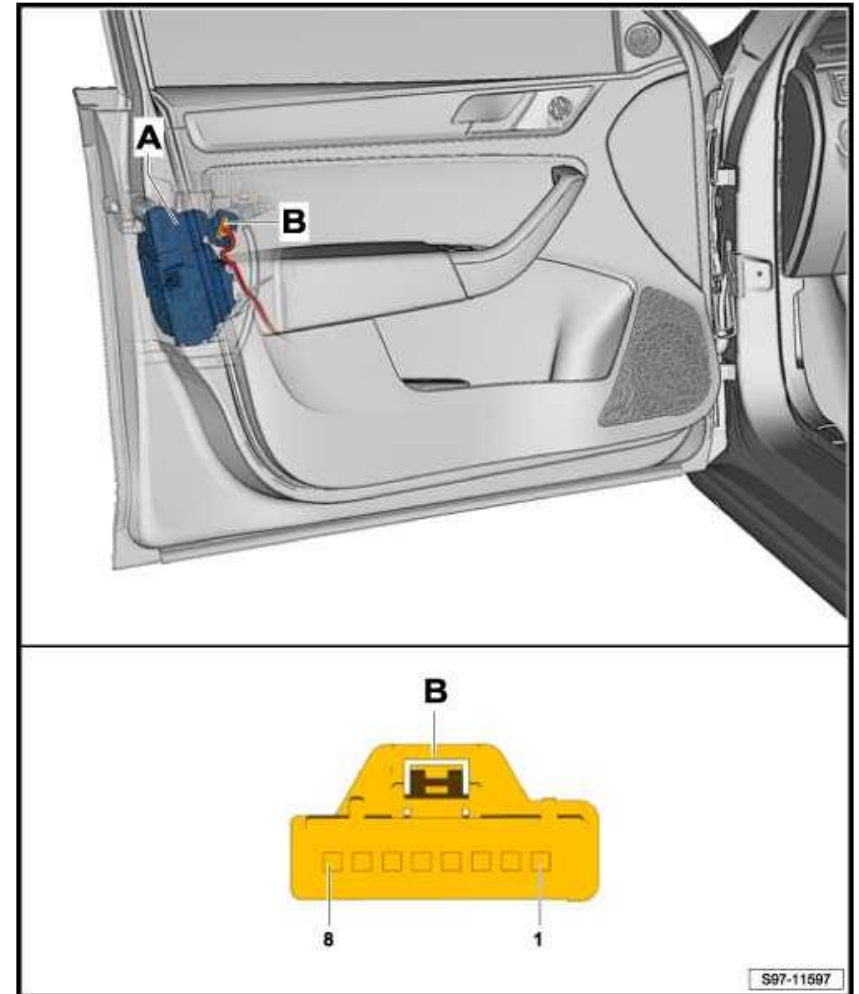
1.20.1 Fitting location

On the floor covering under the left front seat -arrow-.



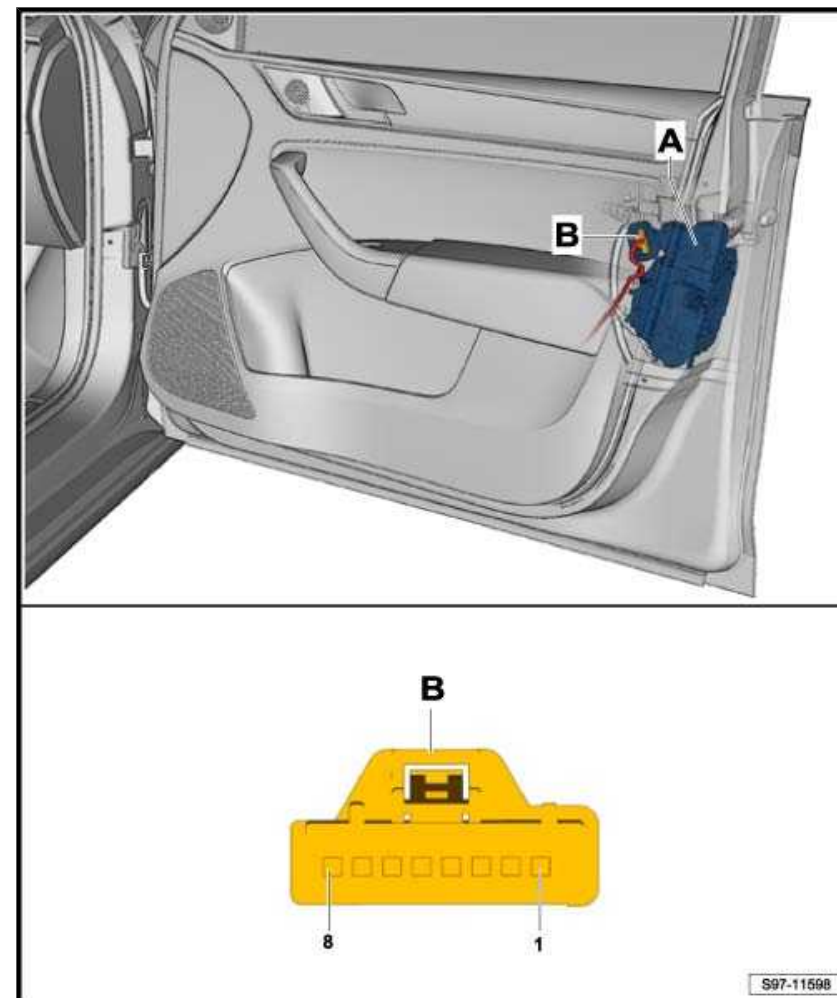
1.21 Central locking lock unit, driver side -F220-

1.21.1 Fitting location (only for left-hand drive vehicles)



- A - Central locking lock unit, driver side -F220-
- B - 8-pin connector, at wiring harness - T8d

1.21.2 Fitting location (only for right-hand drive vehicles)

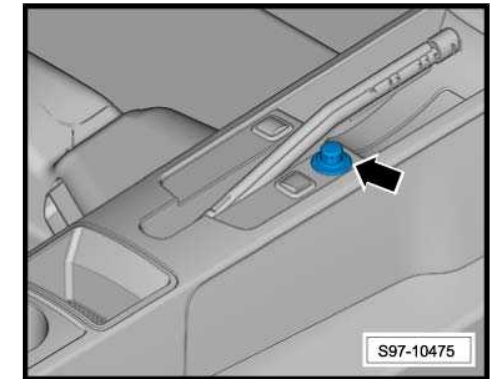


- A - Central locking lock unit, driver side -F220-
- B - 8-pin connector, at wiring harness - T8d

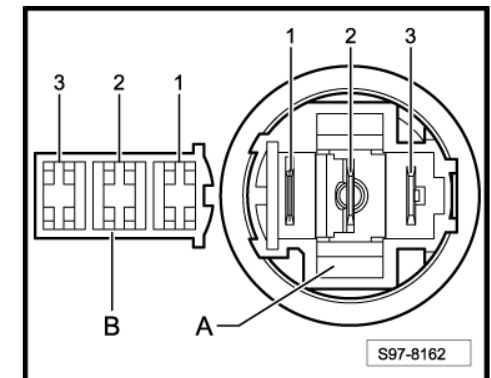
1.22 Socket -U-

1.22.1 Fitting location

In the centre console -arrow-.



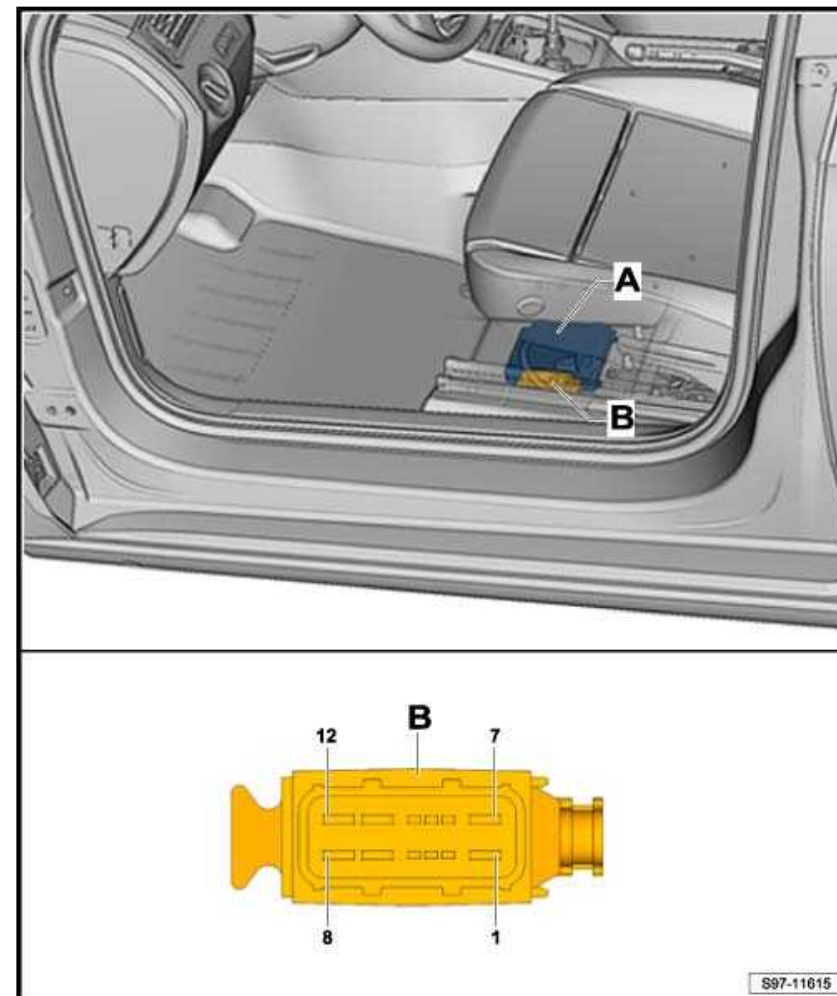
1.22.2 Pin assignment



- A - Socket -U-
- B - 3-pin connector, at wiring harness - T3d

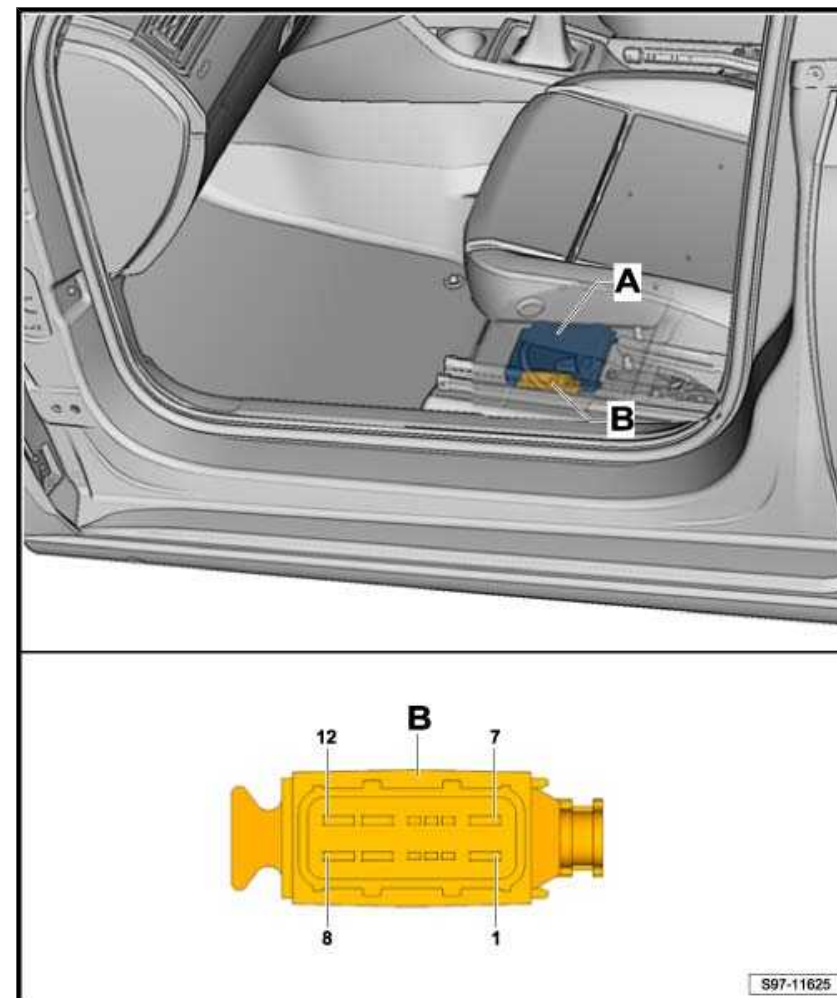
1.23 Voltage stabiliser -J532-

1.23.1 Fitting location (only for left-hand drive vehicles)



- A - Voltage stabiliser -J532-
- B - 12-pin connector, at wiring harness - T12b

1.23.2 Fitting location (only for right-hand drive vehicles)

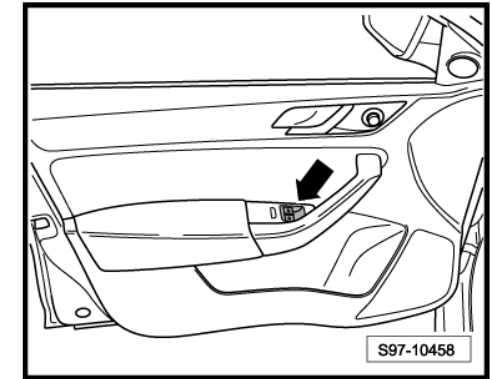


- A - Voltage stabiliser -J532-
- B - 12-pin connector, at wiring harness - T12b

1.24 Operating unit for window regulators in driver door -E512-

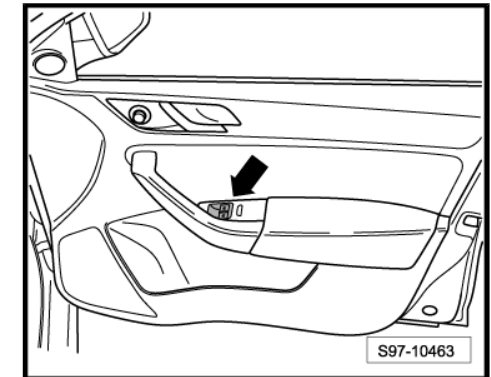
1.24.1 Fitting location (only for vehicles with left-hand drive)

At the door trim, front left -arrow-.



1.24.2 Fitting location (only for vehicles with right-hand drive)

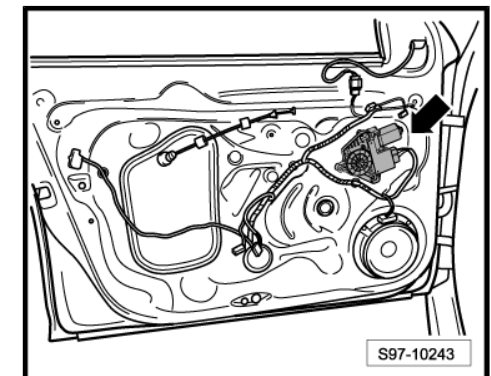
At the door trim, front right -arrow-.



1.25 Window regulator motor driver's side -V147-

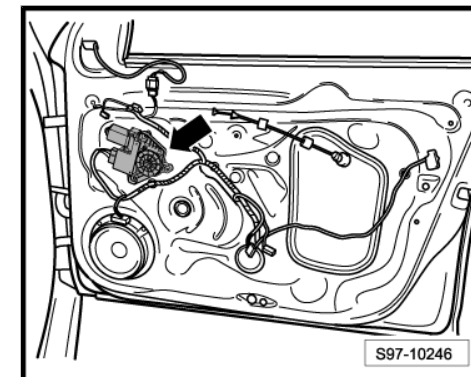
1.25.1 Fitting location (only for vehicles with left-hand drive)

At assembly carrier, in driver door -arrow-.

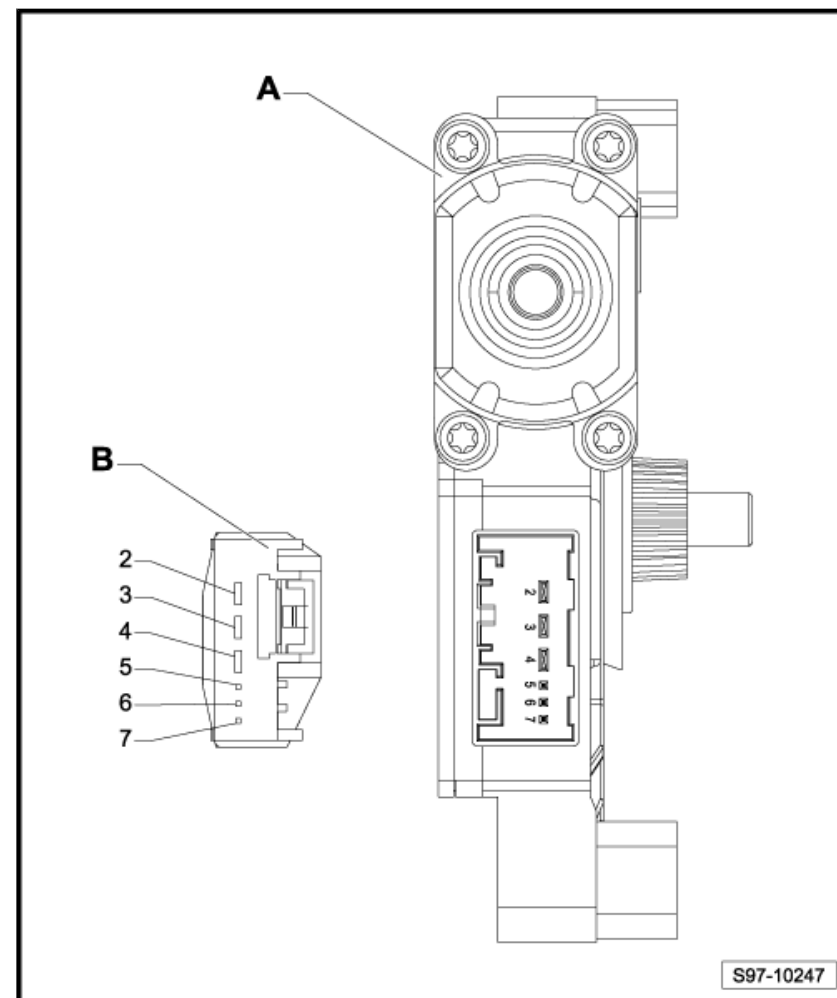


1.25.2 Fitting location (only for vehicles with right-hand drive)

At assembly carrier, in driver door -arrow-.



1.25.3 Pin assignment



- A - Window regulator motor driver's side -V147-
- B - 10-pin connector, at wiring harness - T10p

1 Coupling stations and plug connections of wiring harnesses

1.1 Overview of the coupling stations and plug connections in the front part of the vehicle (only for vehicles with left-hand drive)

1 - Plug connections at the front wall, right

❑ Fitting location ⇒ [page 7](#)

2 - 28-pin connector -T28b-

❑ Fitting location ⇒ [page 9](#)

3 - 10-pin connector -T10d-2-pin connector -T2m-

❑ Fitting location ⇒ [page 10](#)

4 - 16-pin connector -T16b-

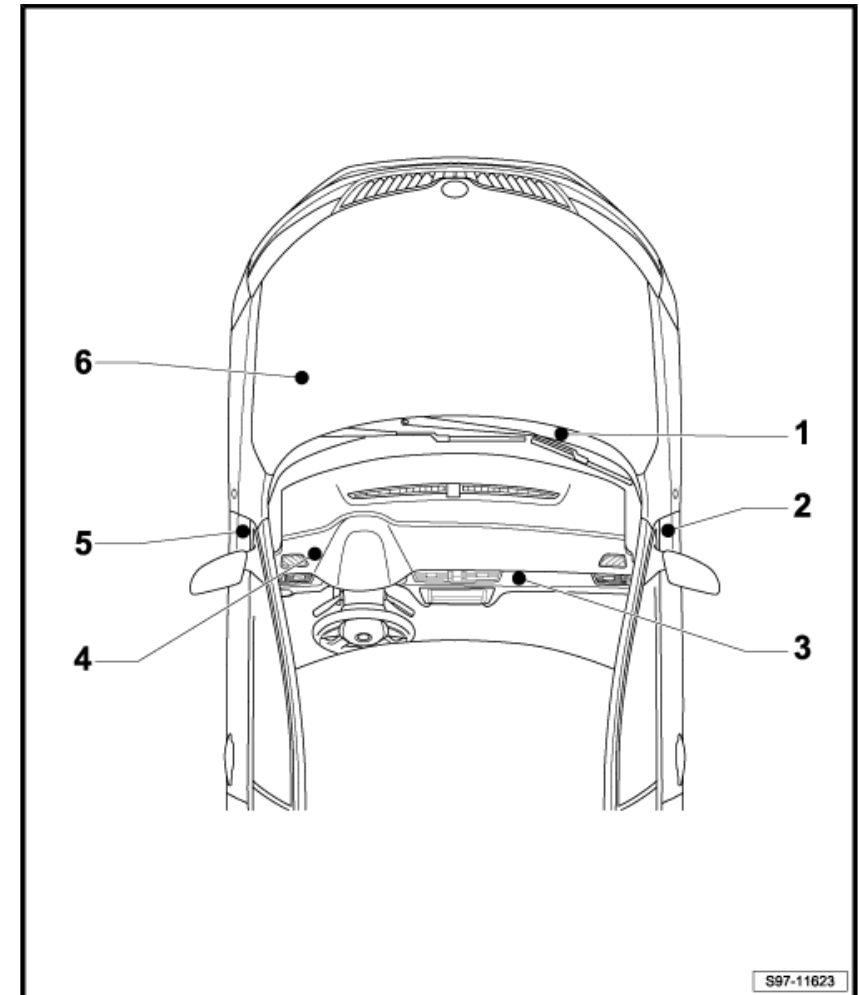
❑ Fitting location ⇒ [page 6](#)

5 - 28-pin connector -T28a- 32-pin connector -T32a-38-pin connector -T38aa-

❑ Fitting location ⇒ [page 6](#)

6 - Coupling station in engine compartment

❑ Fitting location ⇒ [page 7](#)



1.2 Overview of the coupling stations and plug connections in the front part of the vehicle (only for vehicles with right-hand drive)

1 - 2-pin connector, -T2g-

□ Fitting location ⇒ [page 8](#)

2 - 28-pin connector -T28a- 32-pin connector -T32a-38-pin connector -T38aa-

□ Fitting location ⇒ [page 7](#)

3 - 16-pin connector -T16b-

□ Fitting location ⇒ [page 6](#)

4 - 2-pin connector, -T2w-

Fitting location ⇒ [page 8](#)

5 - 10-pin connector -T10d-2-pin connector -T2m-

□ Fitting location ⇒ [page 11](#)

6 - 28-pin connector -T28b-

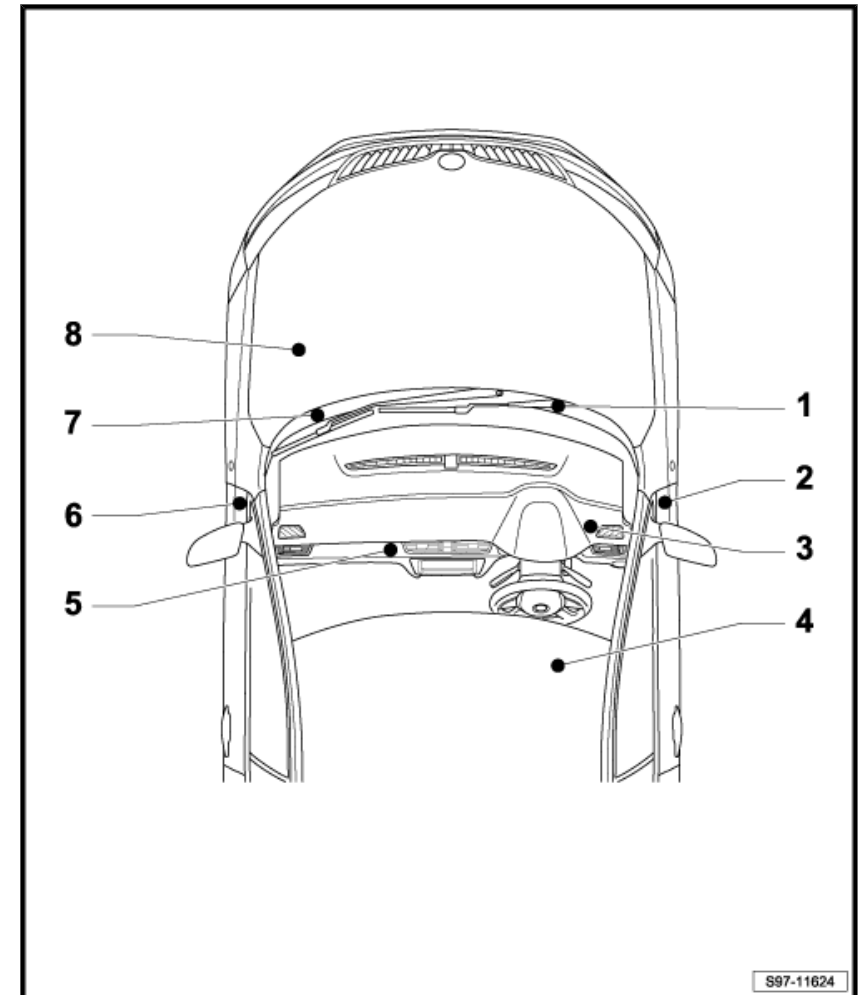
□ Fitting location ⇒ [page 9](#)

7 - 2-pin connector, -T2e-

Fitting location ⇒ [page 8](#)

8 - Coupling station in engine compartment

□ Fitting location ⇒ [page 7](#)



1.3 Overview of coupling stations and plug connections in the rear part of the vehicle (Rapid NH)

1 - 28-pin connector -T28d-

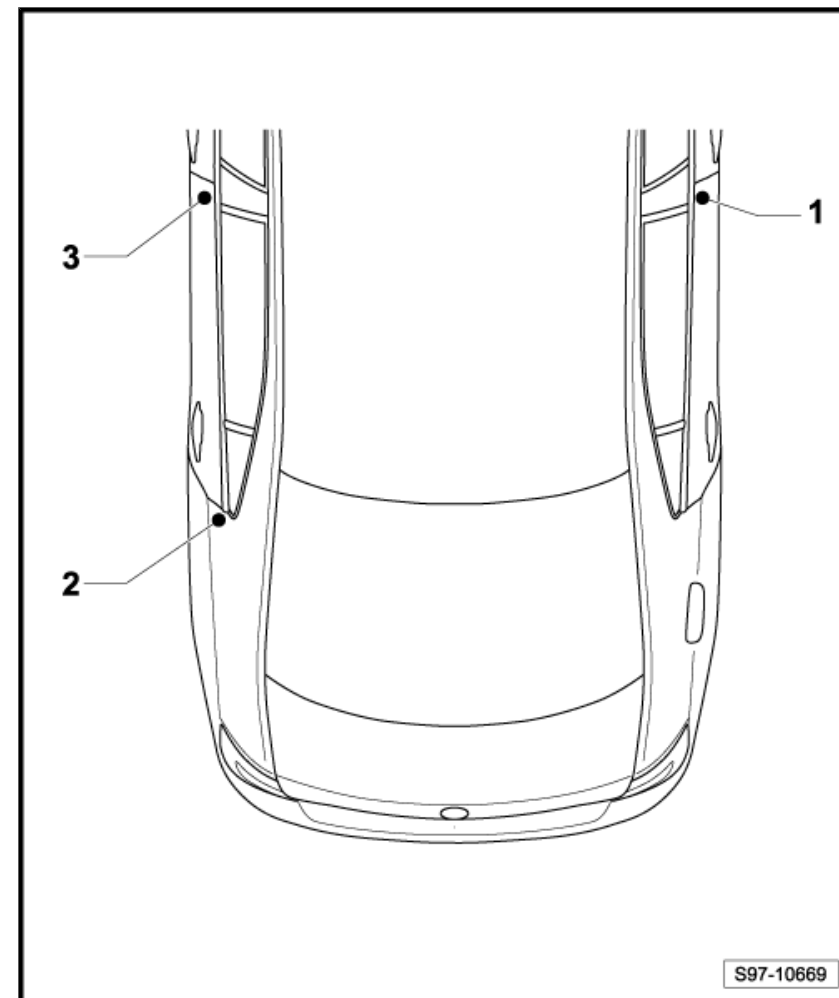
❑ Fitting location ⇒ [page 9](#)

2 - Plug connection on the left C-pillar

❑ Fitting location ⇒ [page 5](#)

3 - 28-pin connector -T28c-

❑ Fitting location ⇒ [page 5](#)



1.4 Overview of coupling stations and plug connections in the rear part of the vehicle (Rapid NH Spaceback)

1 - 28-pin connector -T28d-

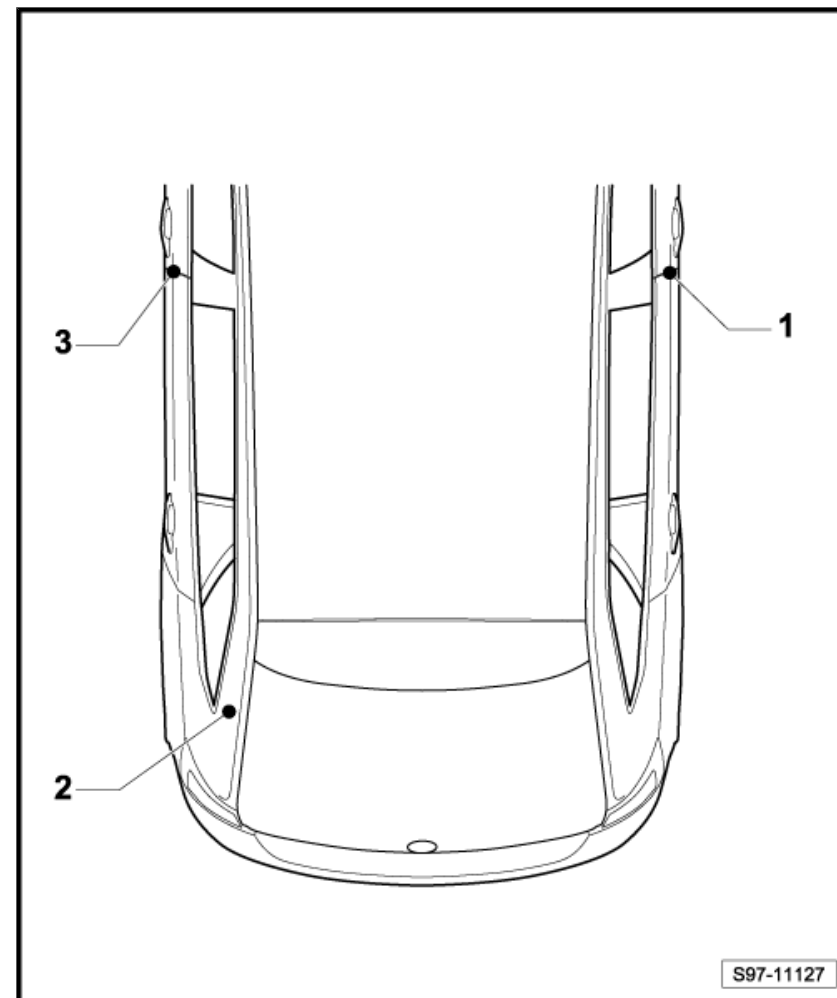
□ Fitting location ⇒ [page 9](#)

2 - Plug connection on the left D-pillar

□ Fitting location ⇒ [page 5](#)

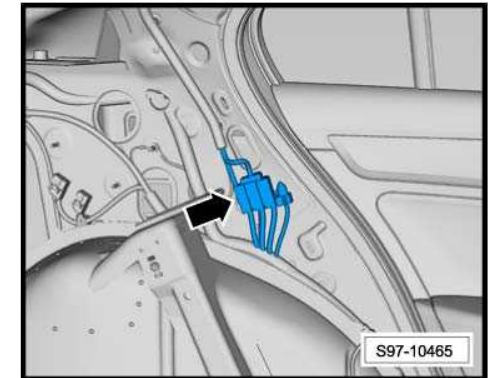
3 - 28-pin connector -T28c-

□ Fitting location ⇒ [page 5](#)



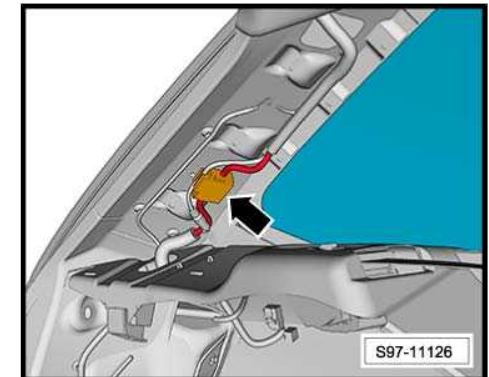
1.5 Coupling station on the left C-pillar (Rapid NH)

10-pin connector -T10b-, blue on the left C-pillar, -arrow-



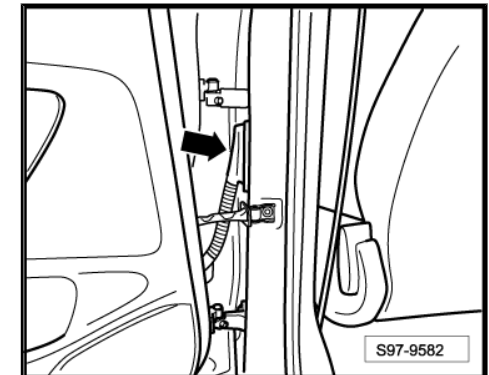
1.6 Coupling station on the left D-pillar (Rapid NH Spaceback)

10-pin connector -T10b-, blue on the left D-pillar, -arrow-



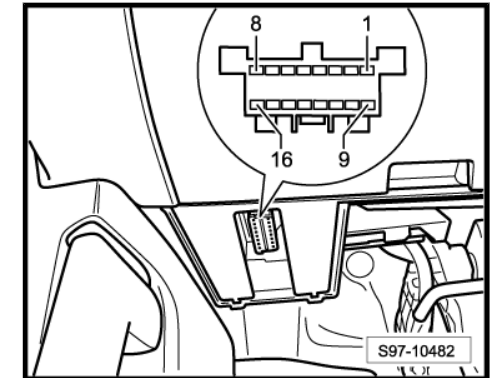
1.7 Coupling station on left B-pillar

28-pin connector -T28c-, on left B-pillar, -arrow-



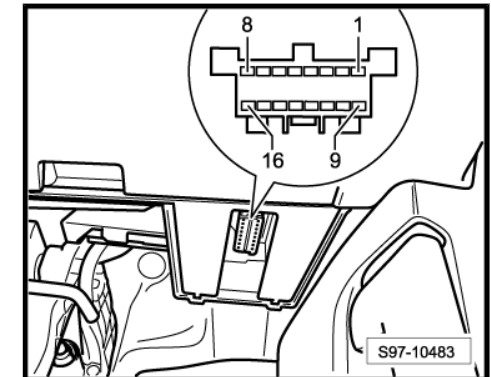
1.8 16-pin connector, -T16b- (only for vehicles with left-hand drive)

16-pin connector -T16b-, below the left dash panel



1.9 16-pin connector, -T16b- (only for vehicles with right-hand drive)

16-pin connector -T16b-, below the right dash panel

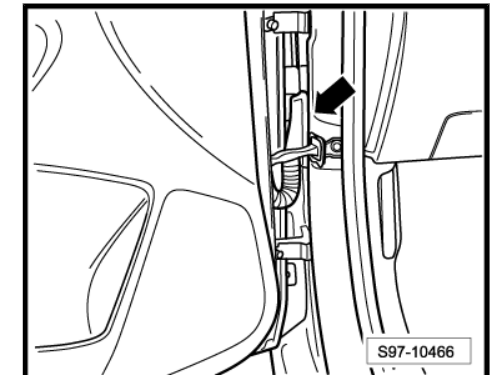


1.10 Coupling station on the left A-pillar (only for vehicles with left-hand drive)

28-pin connector -T28a-, on left A-pillar, -arrow- (up to May 2016)

32-pin connector -T32a-, on the left A-pillar, -arrow- (up to May 2016)

38-pin connector -T38aa-, on the left A-pillar, -arrow- (from May 2016)

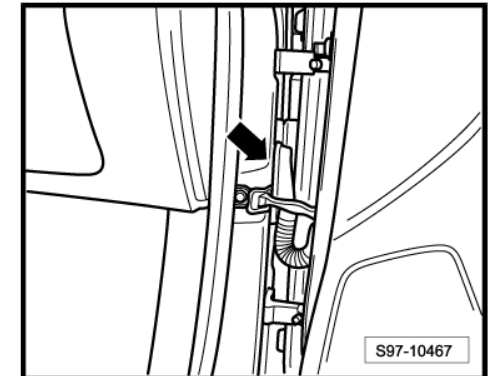


1.11 Coupling station on the right A-pillar (only for vehicles with right-hand drive)

28-pin connector -T28a-, on right A-pillar, -arrow- (up to May 2016)

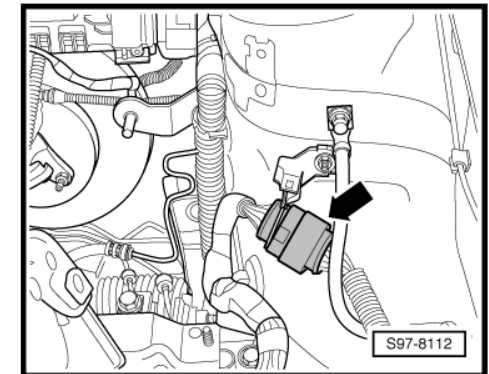
32-pin connector -T32a-, on the right A-pillar, -arrow- (up to May 2016)

38-pin connector -T38aa-, on the right A-pillar, -arrow- (from May 2016)



1.12 Coupling station in engine compartment

14-pin connector -T14a-, black in engine compartment, left -arrow-

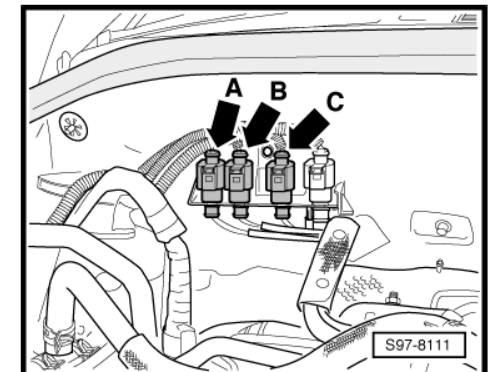


1.13 Overview of the plug connections at the front wall, right (only for vehicles with left-hand drive)

2-pin connector -T2g-, at the front wall, right (black), -arrow A-

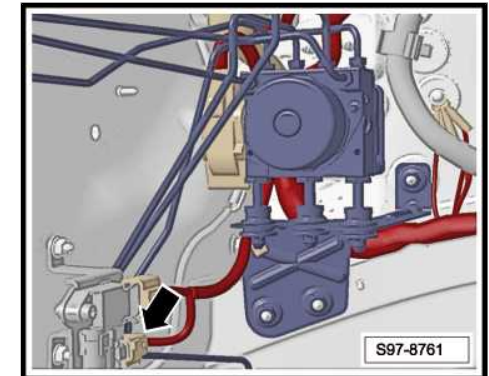
2-pin connector -T2e-, at the front wall, right (brown), -arrow B-

2-pin connector -T2w-, at the front wall, right (orange), -arrow C-



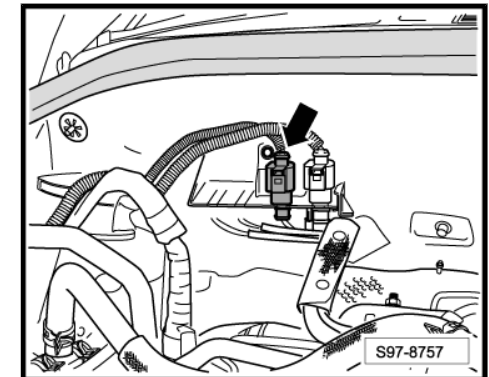
1.14 Overview of the plug connection at the front wall, left (only for vehicles with right-hand drive)

2-pin connector -T2e-, at the front wall, left (brown), -arrow-



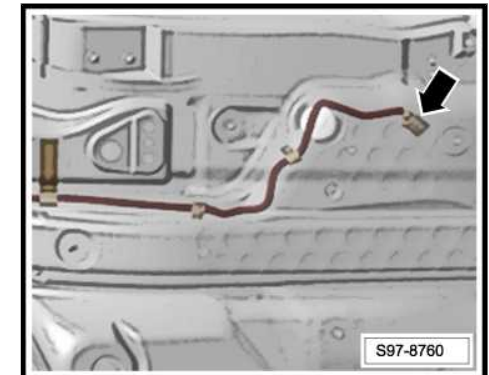
1.15 Overview of the plug connection at the front wall, right (only for vehicles with right-hand drive)

2-pin connector -T2g-, at the front wall, right (black), -arrow-



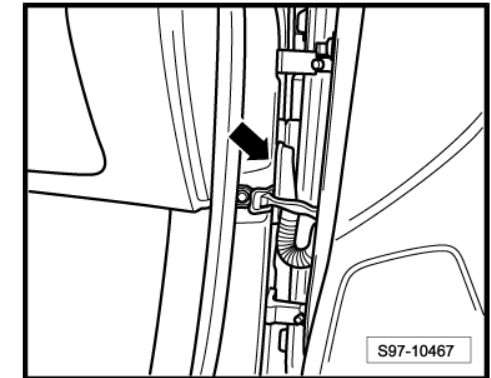
1.16 Overview of the plug connection on the underbody, right (only for vehicles with right-hand drive)

2-pin connector -T2w-, on the underbody, right (orange), -arrow-



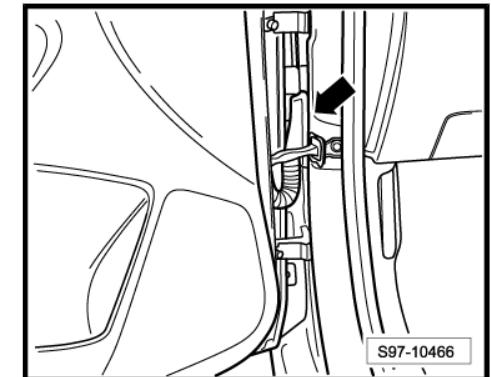
1.17 Coupling station on the right A-pillar (only for vehicles with left-hand drive)

28-pin connector -T28b-, on right A-pillar, -arrow-



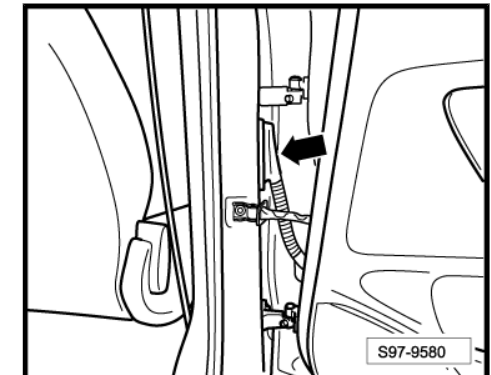
1.18 Coupling station on the left A-pillar (only for vehicles with right-hand drive)

28-pin connector -T28b-, on the left A-pillar, -arrow-



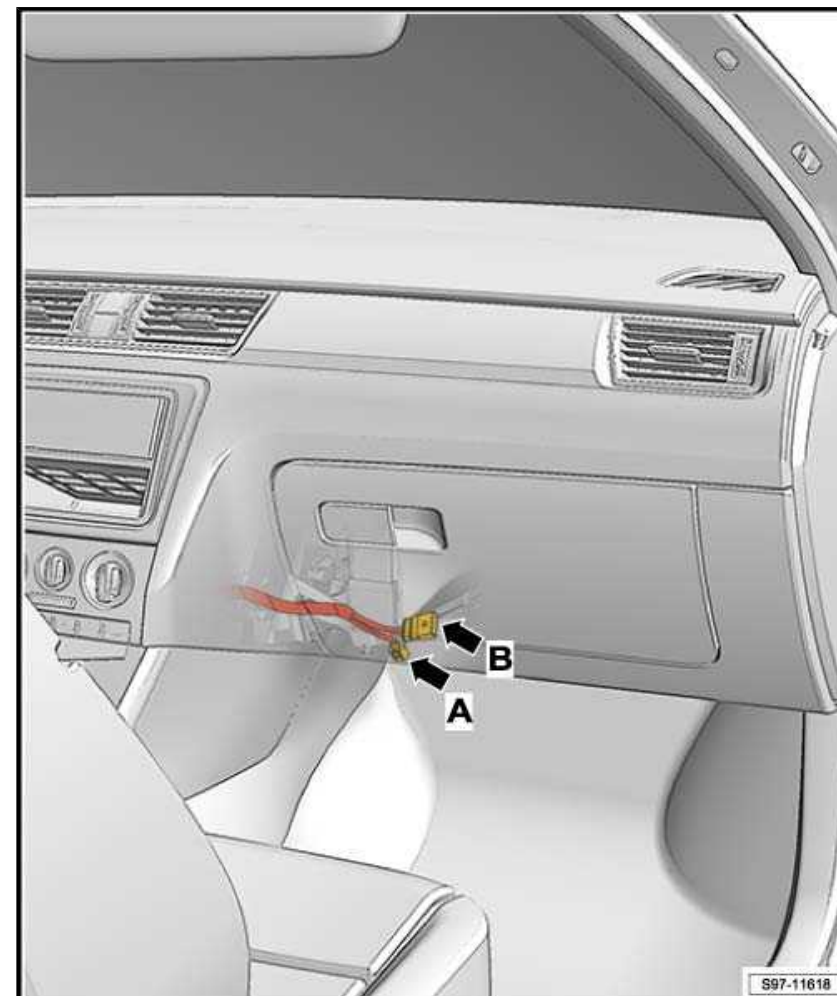
1.19 Coupling station on right B-pillar

28-pin connector -T28d-, on right B-pillar, -arrow-



1.20 Connectors under the right dash panel (only for vehicles with left-hand drive)

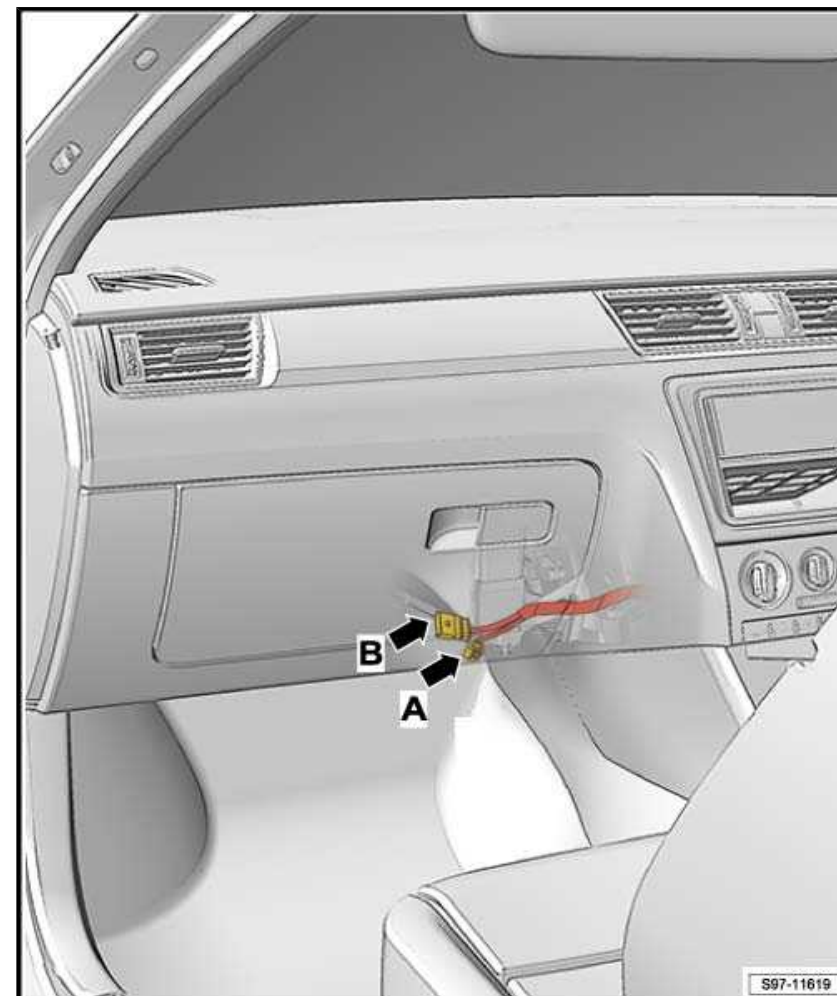
1.20.1



2-pin connector, -T2m-, under the right dash panel, -arrow A-
 10-pin connector, -T10d-, under the right dash panel, -arrow B-

1.21 Connectors under the left dash panel (only for right-hand drive vehicles)

1.21.1



2-pin connector, -T2m-, under the left dash panel, -arrow A-
 10-pin connector, -T10d-, under the left dash panel, -arrow B-