



1 Comp. Loc. Grounds

- ◆ ⇒ [“1.1 Vehicle Front”, page 1](#)
- ◆ ⇒ [“1.2 Vehicle Cabin, left”, page 4](#)
- ◆ ⇒ [“1.3 Vehicle Cabin, right”, page 5](#)
- ◆ ⇒ [“1.4 Vehicle Rear, left”, page 5](#)
- ◆ ⇒ [“1.5 Vehicle Rear, right”, page 8](#)

1.1 Vehicle Front

- ◆ ⇒ [“1.1.1 Vehicle Front, part I”, page 1](#)
- ◆ ⇒ [“1.1.2 Vehicle Front, part II”, page 3](#)

1.1.1 Vehicle Front, part I

655 - Ground Connection (on left headlamp)

- ☐ Torque Setting 9 Nm

656 - Ground Connection (on right headlamp)

- ☐ Torque Setting 9 Nm

671 - Ground Connection 1 (on left front long member)

- ☐ Torque Setting 9 Nm

685 - Ground Connection 1 (on right front long member)

- ☐ Torque Setting 16 Nm

686 - Ground Connection 2 (on right front long member)

- ☐ Torque Setting 9 Nm

745 - Ground Connection 3 (on right front long member)

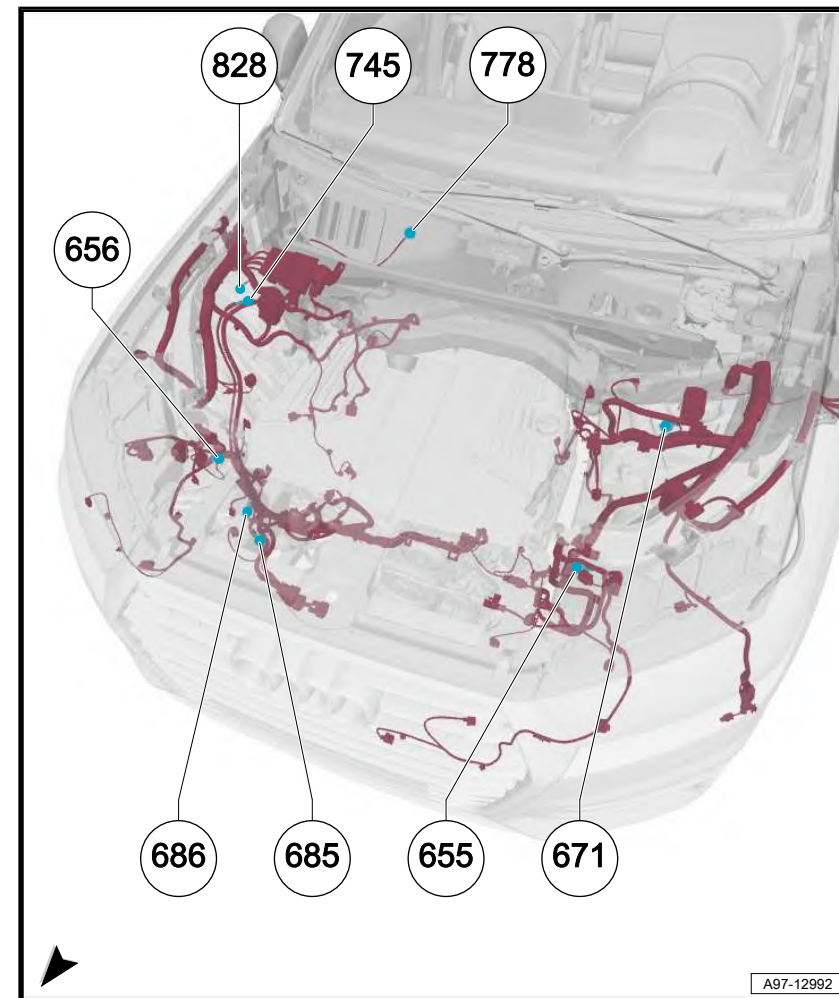
- ☐ Torque Setting 20 Nm

778 - High voltage heating (PTC) ground connection

- ☐ Only models with high-voltage system (0K3)
- ☐ Torque Setting 9 Nm

828 - Ground connection on suspension strut chamber, right

- ☐ Torque Setting 9 Nm



1.1.2 Vehicle Front, part II



Note

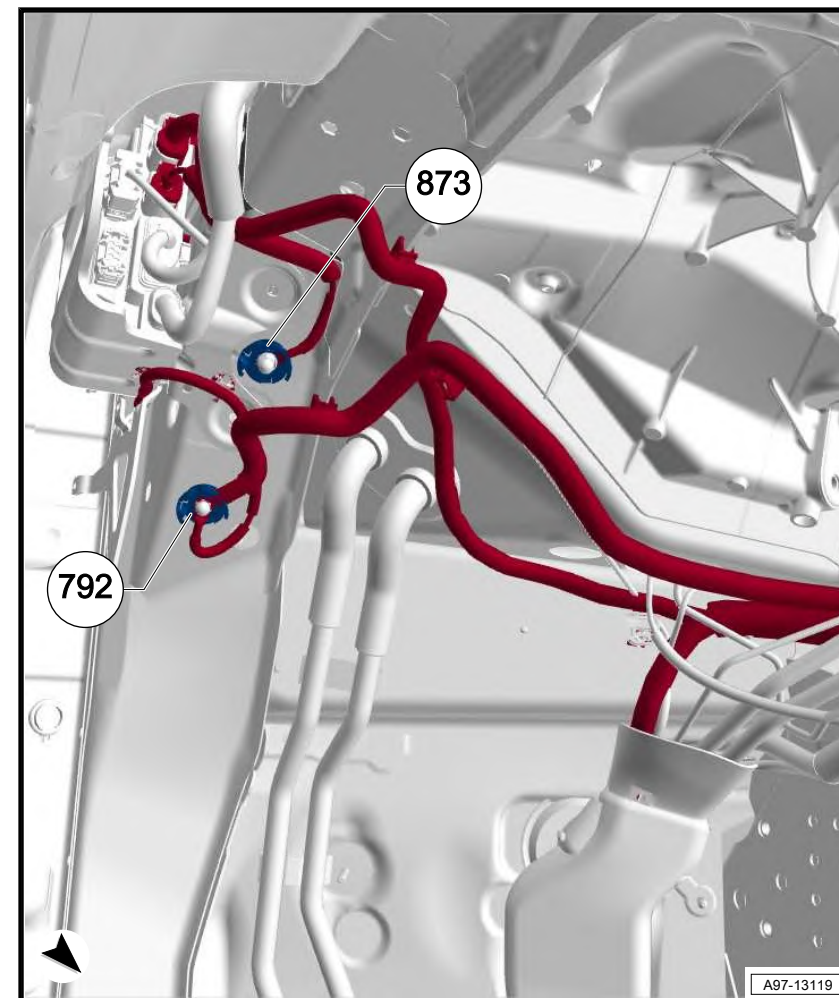
The earth points shown are only present in models with 48-V vehicle electrical system (VH2).

792 - Ground connection in right front wheel housing

- ☐ Torque Setting 9 Nm

873 - Ground connection 2 in right front wheel housing

- ☐ Torque Setting 9 Nm



1.2 Vehicle Cabin, left

44 - Ground Connection (on left lower A-pillar)

- ☐ Only left-hand drive
- ☐ Torque Setting 9 Nm

79 - Ground Connection (on left B-pillar)

- ☐ Torque Setting 9 Nm

602 - Ground Connection (in front left footwell)

- ☐ Torque Setting 9 Nm

645 - Ground connection 1 on bulkhead

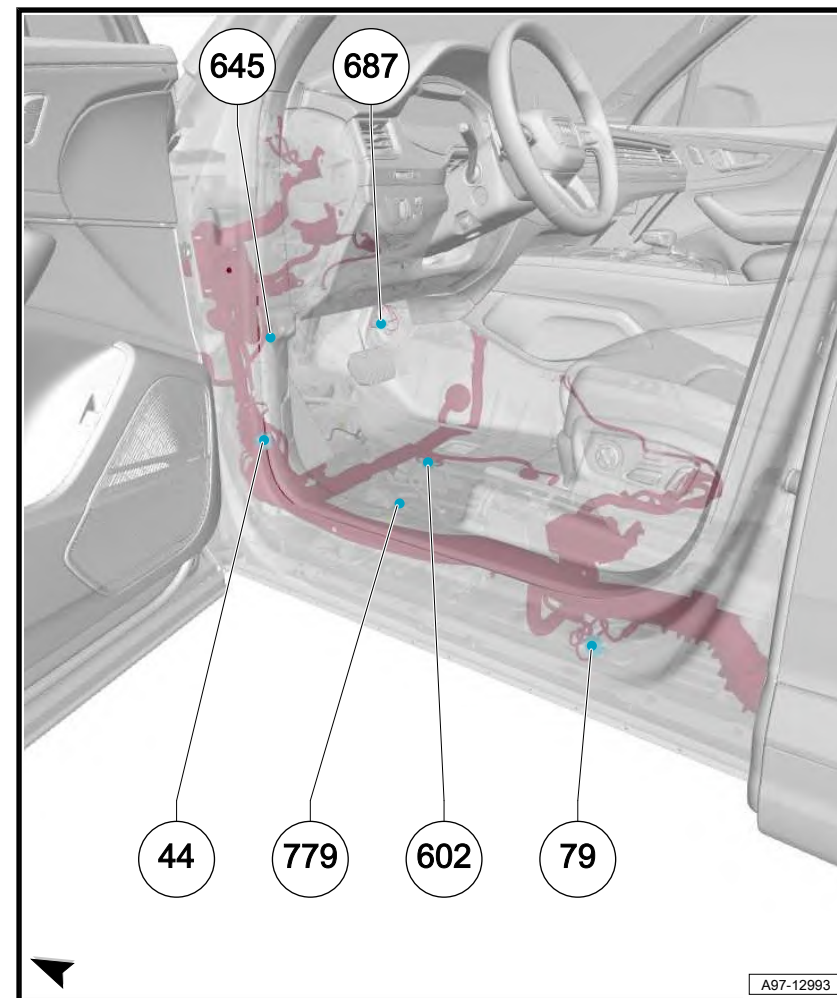
- ☐ Torque Setting 9 Nm

687 - Ground Connection 1 (on center tunnel)

- ☐ Only right-hand drive
- ☐ Torque Setting 9 Nm

779 - Electric drive power and control electronics ground connection 1

- ☐ On underbody
- ☐ Only models with high-voltage system (0K3)
- ☐ Torque Setting 16 Nm



1.3 Vehicle Cabin, right

624 - Ground Connection (near starter battery)

- ☐ Torque Setting 20 Nm

638 - Ground Connection (on right A-pillar)

- ☐ Torque Setting 9 Nm

688 - Ground Connection 2 (on center tunnel)

- ☐ Torque Setting 9 Nm

689 - Ground Connection (on center/front roof)

- ☐ Torque Setting 9 Nm

720 - Ground Connection (on right B-pillar)

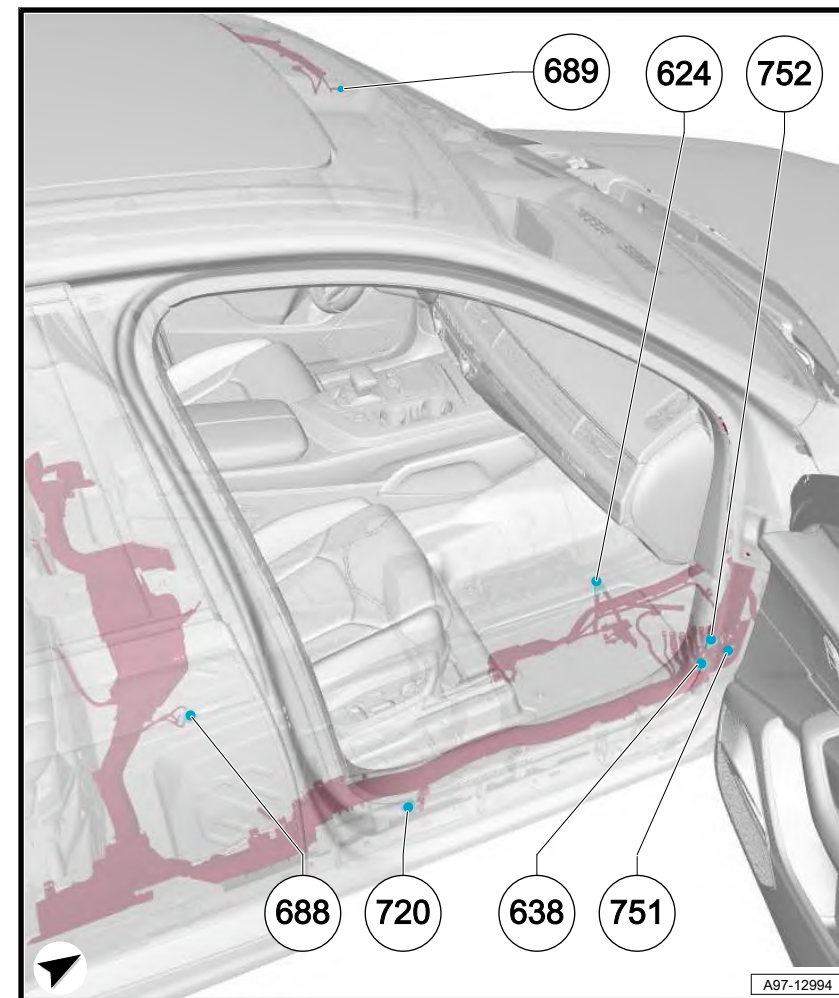
- ☐ Torque Setting 9 Nm

751 - Ground Connection 2 (on right A-pillar)

- ☐ Torque Setting 9 Nm

752 - Ground Connection 3 (on right A-pillar)

- ☐ Torque Setting 9 Nm



1.4 Vehicle Rear, left

◆ ⇒ [“1.4.1 Vehicle Rear, left, part I”, page 6](#)

◆ ⇒ [“1.4.2 Vehicle Rear, left, part II”, page 7](#)

1.4.1 Vehicle Rear, left, part I

51 - Ground Connection (in luggage compartment, right)

- ☐ Torque Setting 9 Nm

62 - Ground Connection (on right C-pillar)

- ☐ Torque Setting 9 Nm

666 - Ground Connection (on right rear roof)

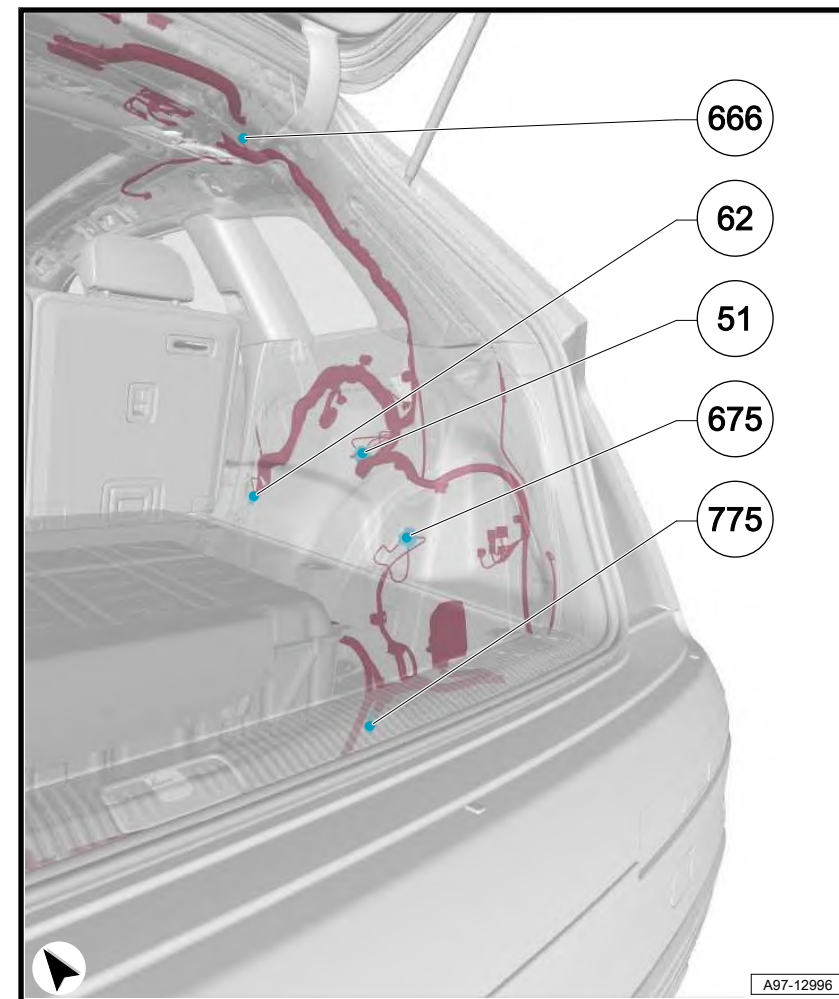
- ☐ Torque Setting 9 Nm

675 - Ground Connection 2 (in right luggage compartment)

- ☐ Torque Setting 9 Nm

775 - Ground Connection 3 (in right luggage compartment)

- ☐ Only models with high-voltage system (0K3)
- ☐ Torque Setting 9 Nm



1.4.2 Vehicle Rear, left, part II



Note

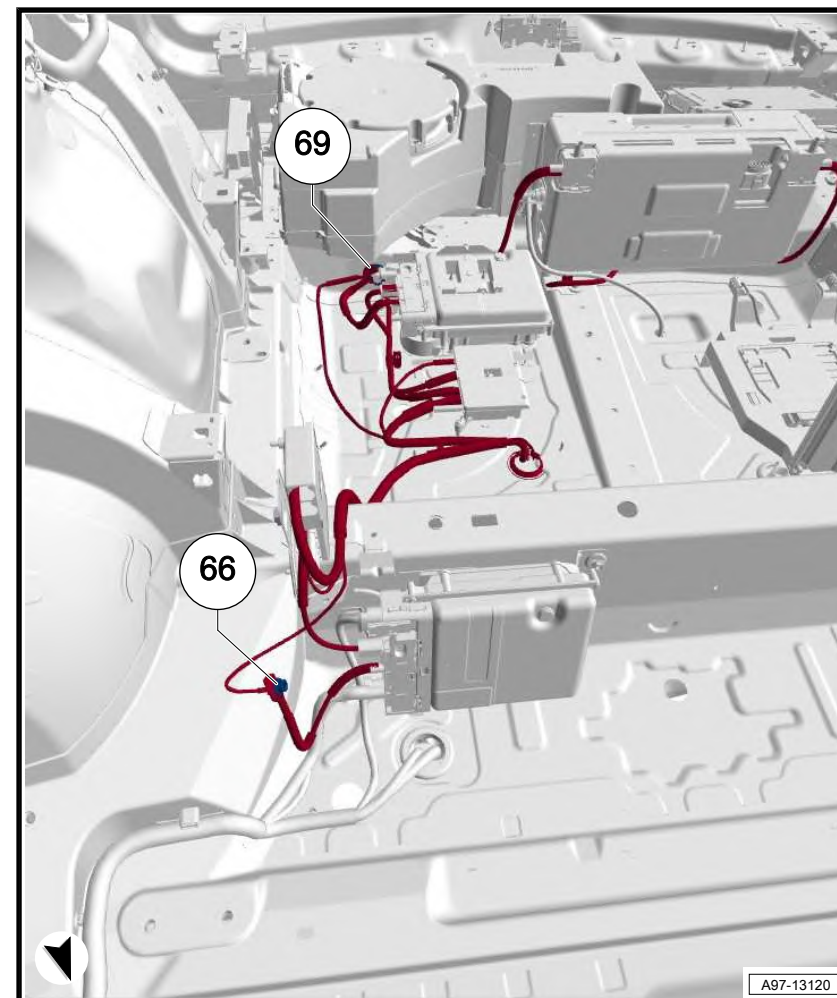
The earth points shown are only present in models with 48-V vehicle electrical system (VH2).

66 - Ground Connection (on right rear long member)

- ☐ only for 5 seater models (5KA)
- ☐ Torque Setting 9 Nm

69 - Ground connection on right rear crossmember

- ☐ only for 7 seater models (5KL)
- ☐ Torque Setting 9 Nm



1.5 Vehicle Rear, right

52 - Ground Connection (in rear lid, left)

- ☐ Torque Setting 9 Nm

61 - Ground Connection (on left C-pillar)

- ☐ Torque Setting 9 Nm

667 - Ground Connection (on left rear roof)

- ☐ Torque Setting 9 Nm

676 - Ground Connection 2 (in left luggage compartment)

- ☐ Torque Setting 9 Nm

729 - Ground Connection (on left rear wheel housing)

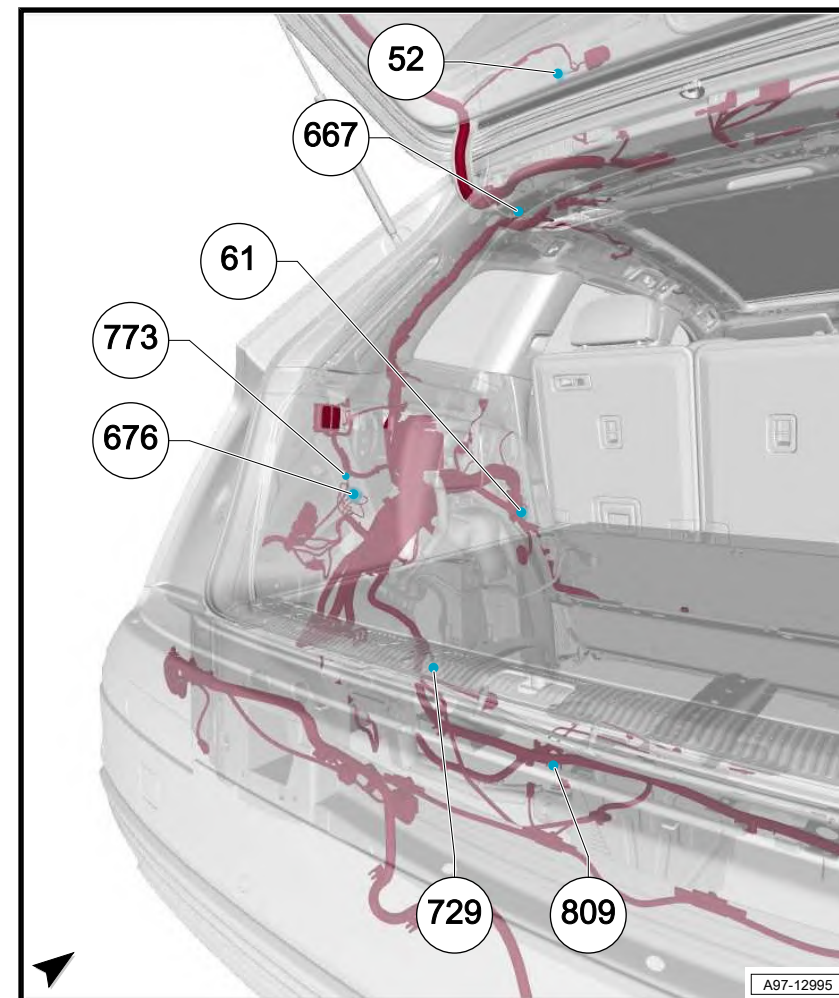
- ☐ Torque Setting 9 Nm

773 - Ground Connection 3 (in left luggage compartment)

- ☐ Torque Setting 8 Nm

809 - Ground connection on left rear underbody

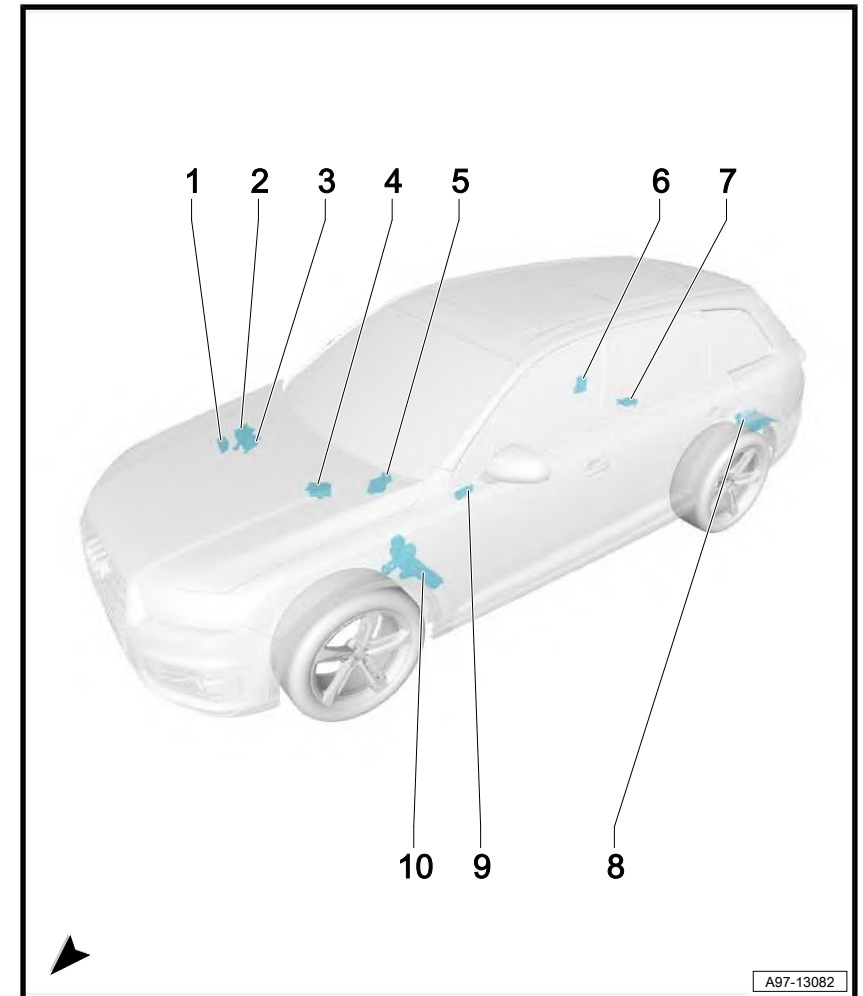
- ☐ On underbody
- ☐ Only models with high-voltage system (0K3)
- ☐ Torque Setting 17 Nm



1 Comp. Loc. Fuses

1.1 Fuses Overview

- 1 - ⇒ ["1.2 Relay and fuse carrier 1 SR1", page 2](#)
- 2 - ⇒ ["1.8 Terminal 30 wire junction TV2 / Terminal 30 wire junction 2 TV22", page 35](#)
- 3 - ⇒ ["1.10 Terminal 40 wire junction TV66", page 37](#)
 - ❑ Only models with 48 V vehicle electrical system (VH2) and electric compressor (0K4)
- 4 - ⇒ ["1.7 Wire junction TV1", page 33](#)
 - ❑ Only models without High-Voltage System (0K0)
- 4 - ⇒ ["1.9 Terminal 30 wire junction 3 TV28", page 36](#)
 - ❑ Only models with High-Voltage System (0K3)
- 5 - ⇒ ["1.6 Main fuse carrier on battery A", page 32](#)
- 6 - ⇒ ["1.11 Terminal 40 wire junction 2 TV67", page 37](#)
 - ❑ Only models with 48 V vehicle electrical system (VH2) and 5 seater models (5KA)
- 7 - ⇒ ["1.11 Terminal 40 wire junction 2 TV67", page 37](#)
 - ❑ Only models with 48 V vehicle electrical system (VH2) and 7 seater models (5KL)
- 8 - ⇒ ["1.5 Relay and fuse carrier 3 SR3 W/ SF Fuse Panel", page 22](#)
- 9 - ⇒ ["1.4 Fuse Panel C SC ", page 19](#)
- 10 - ⇒ ["1.3 Relay and fuse carrier 2 SR2 W/ SB Fuse Panel", page 2](#)



1.2 Relay and fuse carrier 1 SR1

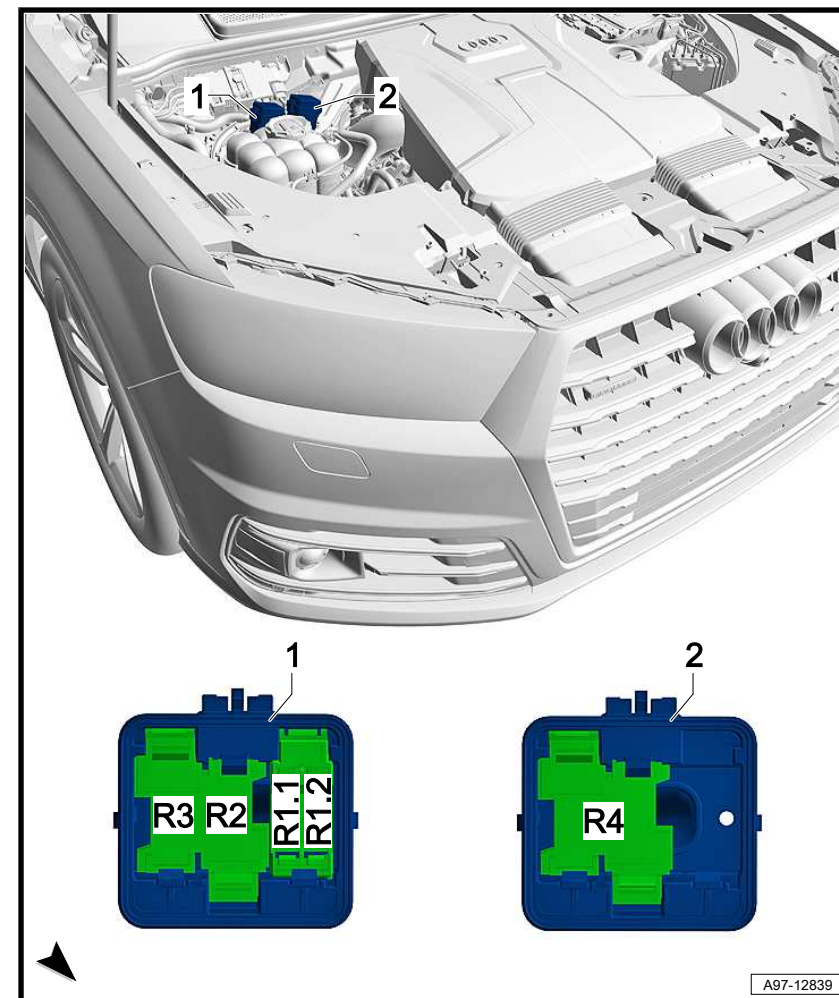
1 - Relay and fuse carrier 1 -SR1-, part 1

2 - Relay and fuse carrier 1 -SR1-, part 2

❑ Only models with gasoline engines

R1.1 - Not used

R1.2 - Fuse (50) -S216-, 5 A



1.3 Relay and fuse carrier 2 SR2 W/ SB Fuse Panel

◆ ⇒ [“1.3.1 Relay and fuse carrier 2 SR2 W/ SB Fuse Panel, LHD”, page 3](#)

◆ ⇒ [“1.3.2 Relay and fuse panel 2 SR2 W/ SB Fuse Panel, RHD”, page 4](#)

1.3.1 Relay and fuse carrier 2 -SR2- W/ SB Fuse Panel, LHD

1 - Fuse Panel B -SB-

1 - Relay and fuse carrier 2 -SR2-

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

R1.1 - ABS Control Module Fuse 1 -S123-

- , 40 A, for ABS hydraulic pump

R1.1 - ABS Control Module Fuse 2 -S124-

- , 40 A, for ABS valves

R1.2 - Fuse -S51-, 50 A

ST1 - Fuse panel 1 -ST1-

- ⇒ ["1.3.3 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 4 cyl. TFSI ", page 5](#)
- ⇒ ["1.3.4 Fuse carrier 1 ST1 , brown, W/ W/ SB Fuse Panel, 6 cyl. TFSI ", page 6](#)
- ⇒ ["1.3.5 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 6 cyl. TDI ", page 8](#)
- ⇒ ["1.3.6 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 8 cyl. TDI ", page 10](#)

ST2 - ⇒ ["1.3.7 Fuse carrier 2 ST2 , red W/ SB Fuse Panel", page 13](#)

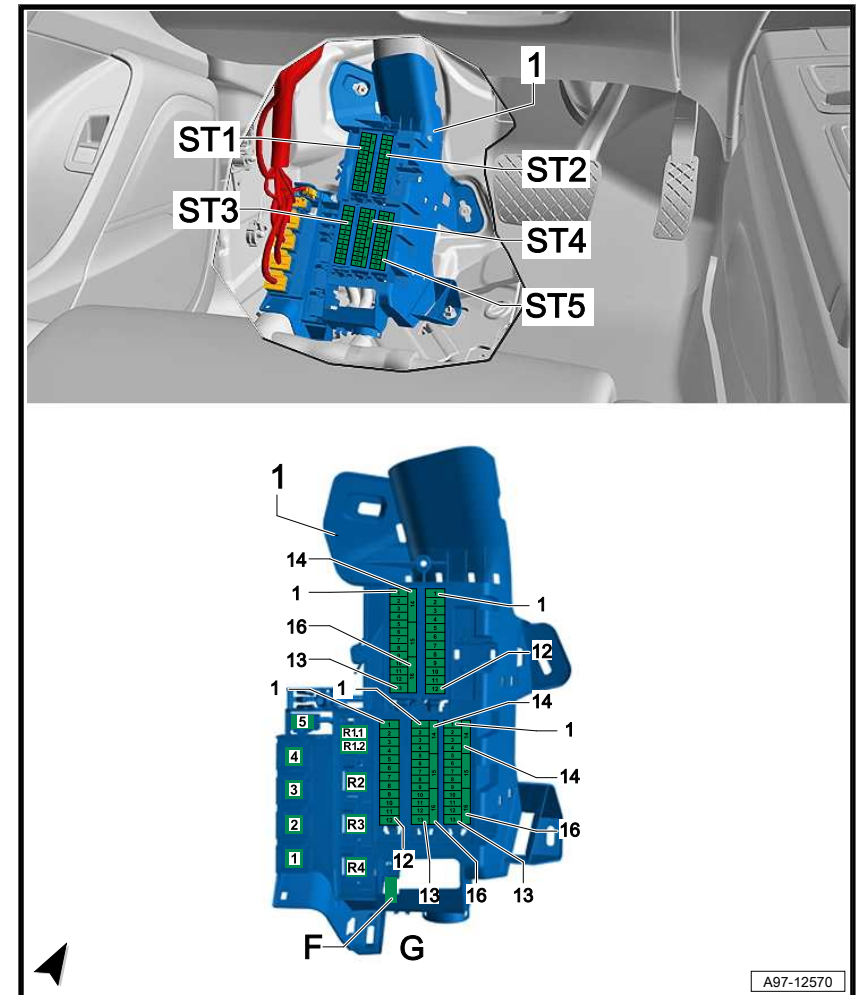
ST3 - ⇒ ["1.3.8 Fuse carrier 3 ST3 , black W/ SB Fuse Panel", page 14](#)

ST4 - ⇒ ["1.3.9 Fuse carrier 4 ST4 , brown W/ SB Fuse Panel", page 15](#)

ST5 - ⇒ ["1.3.10 Fuse carrier 5 ST5 , red W/ SB Fuse Panel", page 17](#)

F - Driver's Power Seat Adjustment Circuit Breaker 1 -S44- , 15 A

G - Not used



Volkswagen Technical Site: <https://vwts.ru>

1.3.2 Relay and fuse panel 2 -SR2- W/ SB Fuse Panel, RHD

1 - Relay and fuse panel 2 -SR2-

1 - Fuse Panel B -SB-

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

ST1 - Fuse panel 1 -ST1- , brown

- ☐ ⇒ ["1.3.3 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 4 cyl. TFSI ", page 5](#)
- ☐ ⇒ ["1.3.4 Fuse carrier 1 ST1 , brown, W/ W/ SB Fuse Panel, 6 cyl. TFSI ", page 6](#)
- ☐ ⇒ ["1.3.5 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 6 cyl. TDI ", page 8](#)
- ☐ ⇒ ["1.3.6 Fuse carrier 1 ST1 , brown, W/ SB Fuse Panel, 8 cyl. TDI ", page 10](#)

ST2 - ⇒ ["1.3.7 Fuse carrier 2 ST2 , red W/ SB Fuse Panel", page 13](#)

ST3 - ⇒ ["1.3.8 Fuse carrier 3 ST3 , black W/ SB Fuse Panel", page 14](#)

ST4 - ⇒ ["1.3.9 Fuse carrier 4 ST4 , brown W/ SB Fuse Panel", page 15](#)

ST5 - ⇒ ["1.3.10 Fuse carrier 5 ST5 , red W/ SB Fuse Panel", page 17](#)

A - Driver's Power Seat Adjustment Circuit Breaker 1 -S44- , 15 A

B - Fuse -S51- , 50 A

- ☐ for Transmission fluid cooling pump V478

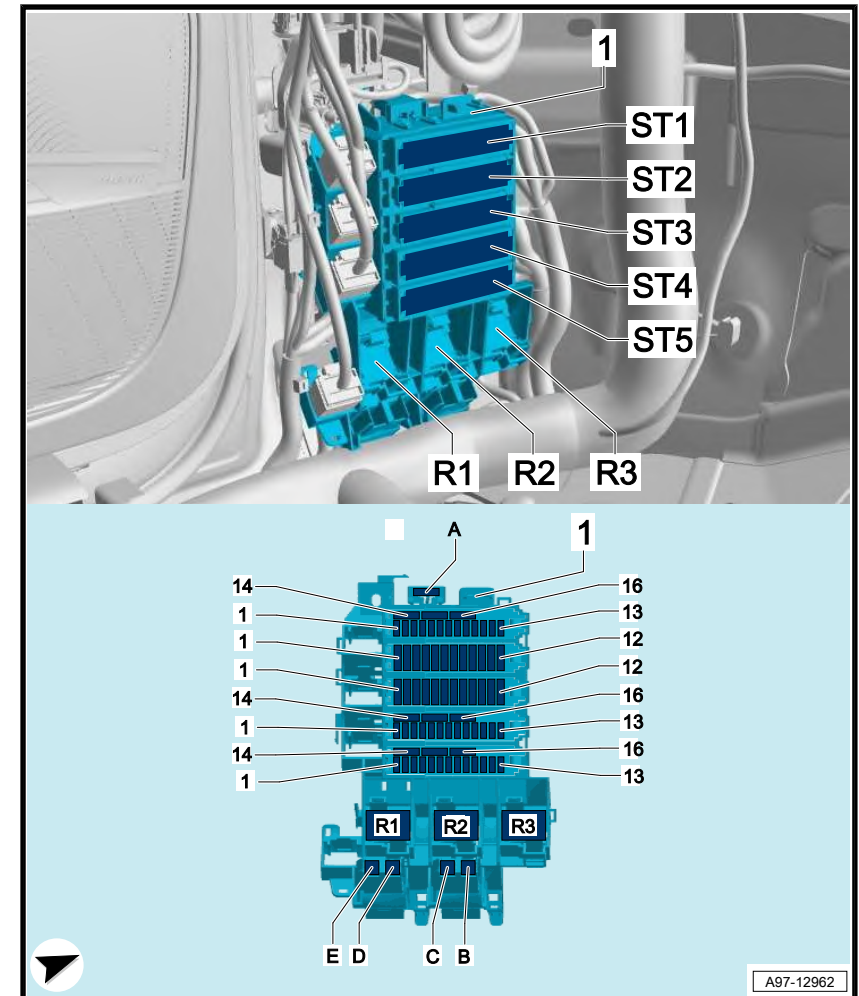
C - Not used

D - ABS Control Module Fuse 1 -S123- , 40 A

- ☐ for ABS hydraulic pump

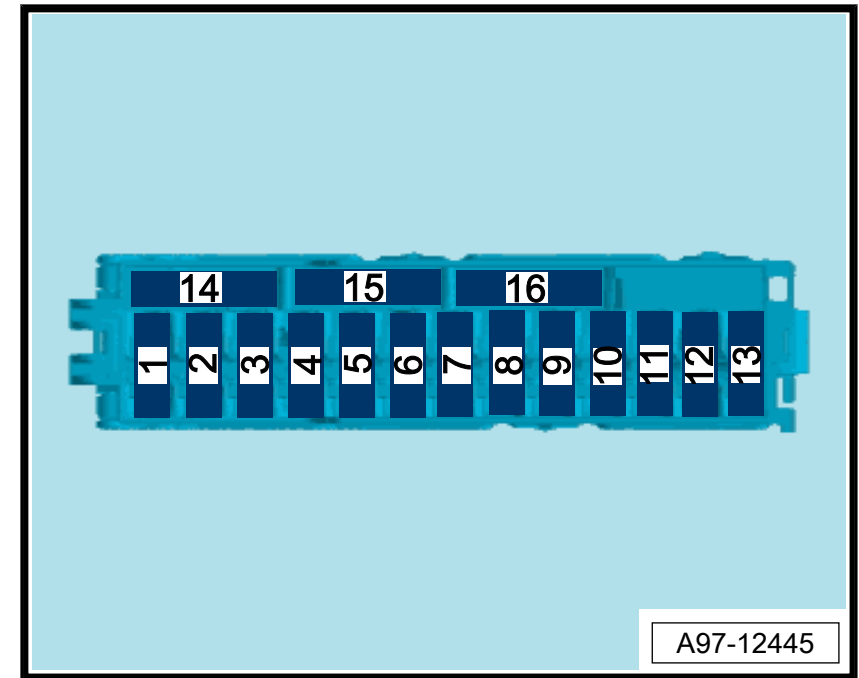
E - ABS Control Module Fuse 2 -S124- , 40 A

- ☐ for ABS valves



1.3.3 Fuse carrier 1 -ST1-, brown, W/ SB Fuse Panel, 4 cyl. TFSI

- Fuse carrier 1 -ST1-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Not used		-	
3	- Not used		-	
4	- Fuse 4 (on fuse panel B) -SB4-	5 A ¹⁾ 7.5 A ²⁾	- Exhaust Flap Control Module -J883- ²⁾ Solenoid Valve 7 -N94- ²⁾ Coolant recirculation pump -V50- ¹⁾	87
5	- Fuse 5 (on fuse panel B) -SB5-	5 A ¹⁾	- Brake Light Switch -F- ¹⁾	87
6	- Fuse 6 (on fuse panel B) -SB6-	15 A	- Cam adjustment actuator -F366- ... -F373-	87
7	- Fuse 7 (on fuse panel B) -SB7-	15 A	- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29-	87

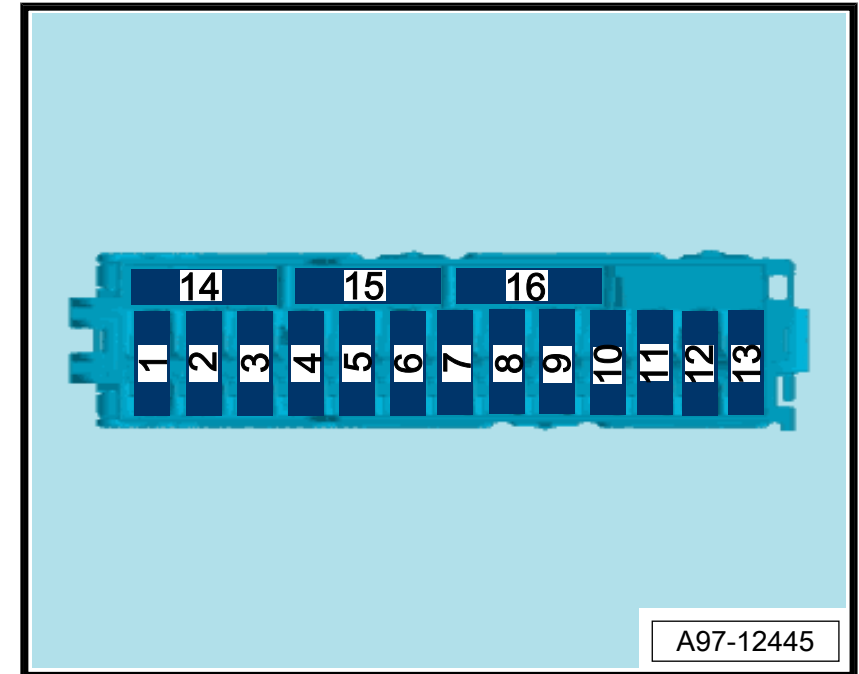
8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Left Electrohydraulic Engine Mounting Regulator Valve -N144- ¹⁾ Right Electrohydraulic Engine Mounting Regulator Valve -N145- ¹⁾ Transmission Mount Valve 1 -N262- ²⁾ Transmission Mount Valve 2 -N263- ²⁾ Transmission Coolant Valve -N488- ¹⁾ Coolant recirculation pump -V50- ²⁾ Charge Air Cooling Pump -V188- ¹⁾	87
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Engine Component Power Supply Relay -J757-	87
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Oil Level Thermal Sensor -G266-	87
11	- Not used		-	
12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- ¹⁾ Camshaft Adjustment Valve 1 -N205- Turbocharger Recirculating Valve -N249- Air Filter Bypass Flap Valve -N275- Intake Manifold Runner Control (IMRC) Valve -N316- Camshaft Adjustment Valve 1 (exhaust) -N318- Oil Pressure Regulation Valve -N428- Piston Cooling Nozzle control Valve -N522-	87
13	- Fuse 13 (on fuse panel B) -SB13-	5 A ¹⁾	- Coolant fan control module -J293- ¹⁾ Coolant Fan Control (FC) Control Module 2 -J671- ¹⁾	87
14	- Fuse 14 (on fuse panel B) -SB14-	15 A	- Engine Control Module (ECM) -J623- Cylinder fuel injector 2 -N532- ... -N535-	87
15	- Fuse 15 (on fuse panel B) -SB15-	15 A	- Oxygen Sensor (O2S) Heater -Z19-	87
16	- Fuse 16 (on fuse panel B) -SB16-	30 A	- Fuel Pump (FP) Control Module -J538-	87

♦ ¹⁾ Only models without High-Voltage System (0K0)

♦ ²⁾ Only models with High-Voltage System (0K3)

1.3.4 Fuse carrier 1 -ST1- , brown, W/ W/ SB Fuse Panel, 6 cyl. TFSI

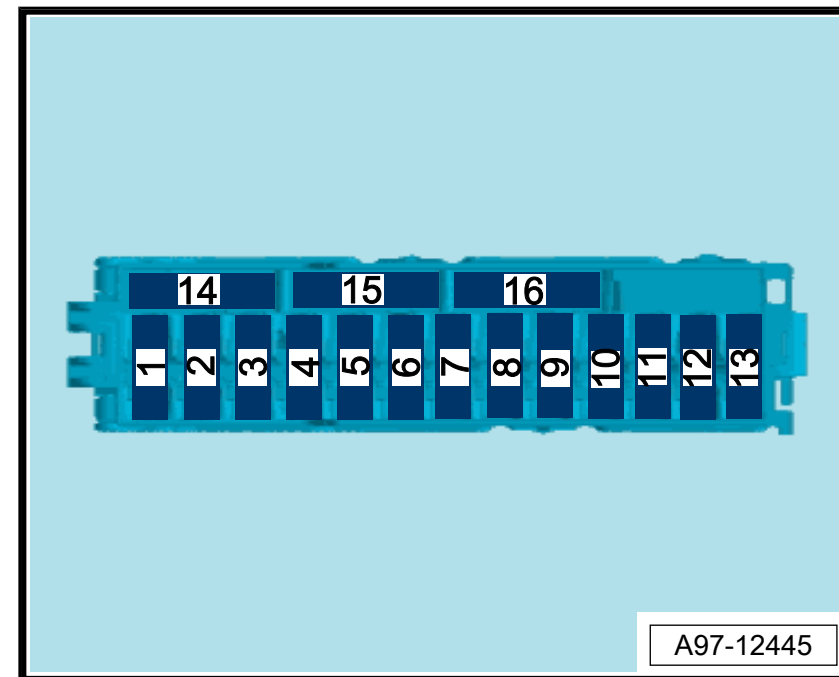
- Fuse carrier 1 -ST1-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Not used		-	
3	- Fuse 3 (on fuse panel B) -SB3-	15 A	- Cylinder fuel injector 2 -N532- ... -N537-	87
4	- Fuse 4 (on fuse panel B) -SB4-	7.5 A	- Coolant recirculation pump -V50-	87
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- Brake Light Switch -F-	87
6	- Fuse 6 (on fuse panel B) -SB6-	15 A	- Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- Oil Pressure Regulation Valve -N428- Cylinder Head Coolant Valve -N489- Coolant Circuit Solenoid Valve -N492- Crankcase ventilation housing switch-off valve -N548-	87
7	- Fuse 7 (on fuse panel B) -SB7-	20 A	- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC) -Z30-	87

8	- Fuse 8 (on fuse panel B) -SB8-	7.5 A	- Secondary Air Injection (AIR) Pump Relay -J299- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Charge Air Cooling Pump -V188- Radiator louver adjustment motor -V544-	87
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Engine Component Power Supply Relay -J757-	87
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Oil Level Thermal Sensor -G266-	87
11	- Not used		-	
12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Air Filter Bypass Flap Valve -N275- Intake Manifold Runner Control (IMRC) Valve -N316- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319-	87
13	- Fuse 13 (on fuse panel B) -SB13-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671-	87
14	- Fuse 14 (on fuse panel B) -SB14-	25 A	- Engine Control Module (ECM) -J623-	87
15	- Fuse 15 (on fuse panel B) -SB15-	20 A	- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 2 -Z28-	87
16	- Fuse 16 (on fuse panel B) -SB16-	30 A	- Fuel Pump (FP) Control Module -J538-	87

1.3.5 Fuse carrier 1 -ST1- , brown, W/ SB Fuse Panel, 6 cyl. TDI

- Fuse carrier 1 -ST1-


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Not used		-	
3	- Fuse 3 (on fuse panel B) -SB3-	5 A ¹⁾	- Radiator louver adjustment motor -V544- ¹⁾	87
4	- Fuse 4 (on fuse panel B) -SB4-	10 A	- Particulate sensor -G784- Biodiesel concentration sensor -G855- NOX Sensor Control Module -J583- NOX Sensor 2 Control Module -J881-	87
5	- Fuse 5 (on fuse panel B) -SB5-	5 A ¹⁾	- Brake Light Switch -F- ¹⁾	87
6	- Fuse 6 (on fuse panel B) -SB6-	7.5 A	- Map Controlled Engine Cooling Thermostat -F265- Automatic Glow Time Control Module -J179- Exhaust Gas Recirculation (EGR) Cooler Switch-Over Valve -N345- EGR cooling bypass valve 2 -N387- Cylinder Head Coolant Valve -N489- ²⁾	87
7	- Fuse 7 (on fuse panel B) -SB7-	5 A	- Mass Air Flow (MAF) Sensor -G70-	87
8	- Fuse 8 (on fuse panel B) -SB8-	10 A	- Fuel Pressure Regulator Valve -N276- Fuel Metering Valve -N290-	87

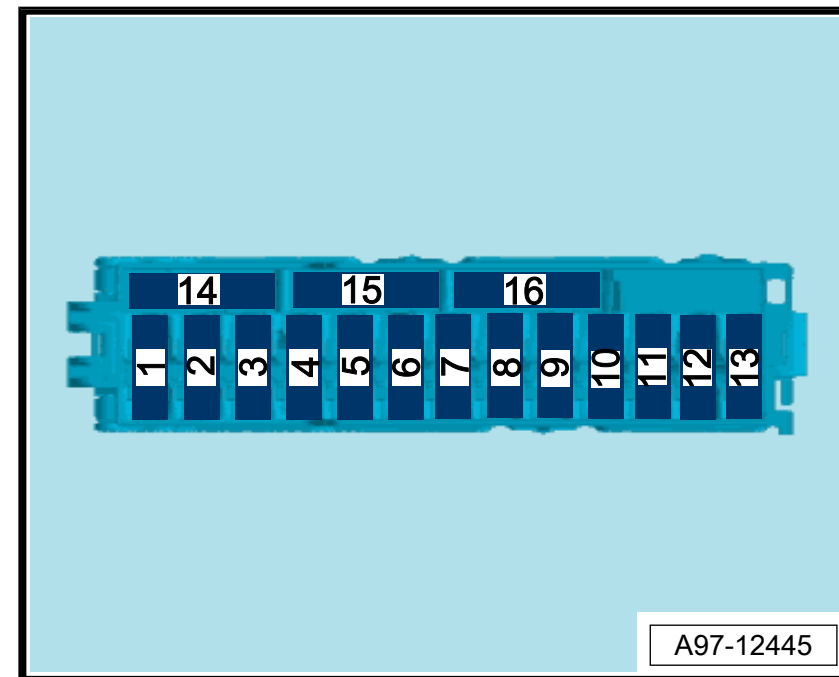
9	- Not used		-		
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	-	Oil Level Thermal Sensor -G266-	87
11	- Not used		-		
12	- Fuse 12 (on fuse panel B) -SB12-	7.5 A	-	Exhaust Flap Control Module -J883- ²⁾ Left Electrohydraulic Engine Mounting Regulator Valve -N144- ¹⁾ Right Electrohydraulic Engine Mounting Regulator Valve -N145- ¹⁾ Transmission Mount Valve 1 -N262- ²⁾ Transmission Mount Valve 2 -N263- ²⁾ Air Filter Bypass Flap Valve -N275- Coolant recirculation pump -V50- ¹⁾	87
13	- Fuse 13 (on fuse panel B) -SB13-	5 A ¹⁾	-	Coolant fan control module -J293- ¹⁾ Coolant Fan Control (FC) Control Module 2 -J671- ¹⁾	87
14	- Fuse 14 (on fuse panel B) -SB14-	15 A	-	Engine Control Module (ECM) -J623-	87
15	- Fuse 15 (on fuse panel B) -SB15-	10 A	-	Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ²⁾	87
16	- Fuse 16 (on fuse panel B) -SB16-	30 A	-	Fuel Pump (FP) Control Module -J538-	87

♦ ¹⁾ Only models without High-Voltage System (0K0)

♦ ²⁾ Only models with High-Voltage System (0K3)

1.3.6 Fuse carrier 1 -ST1- , brown, W/ SB Fuse Panel, 8 cyl. TDI

- Fuse carrier 1 -ST1-

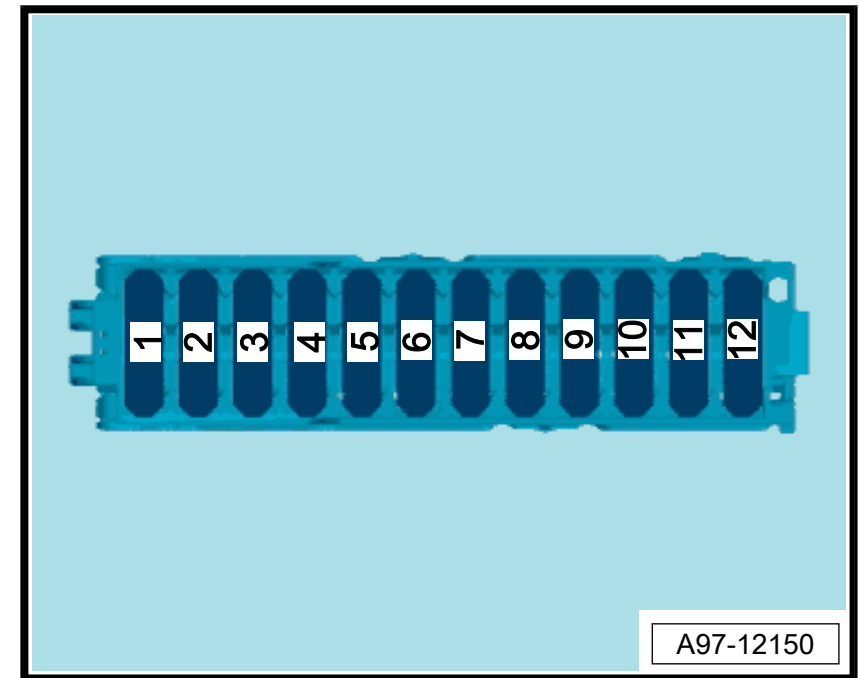


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Not used		-	
3	- Not used		-	
4	- Fuse 4 (on fuse panel B) -SB4-	10 A	- Particulate sensor -G784- Biodiesel concentration sensor -G855- NOX Sensor Control Module -J583- NOX Sensor 2 Control Module -J881-	87
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- Brake Light Switch -F- ¹⁾	87

6	- Fuse 6 (on fuse panel B) -SB6-	15 A	- Map Controlled Engine Cooling Thermostat -F265- Automatic Glow Time Control Module -J179- Glow/Time Control Module 2 -J703- Left Electrohydraulic Engine Mounting Regulator Valve -N144- Right Electrohydraulic Engine Mounting Regulator Valve -N145- Pressure Reduction Valve -N155- Transmission Mount Valve 1 -N262- Transmission Mount Valve 2 -N263- Air Filter Bypass Flap Valve -N275- EGR cooling bypass valve -N386- EGR cooling bypass valve 2 -N387- Heater support pump -V488-	87
7	- Fuse 7 (on fuse panel B) -SB7-	5 A	- Mass Air Flow (MAF) Sensor -G70- Mass Air Flow (MAF) Sensor 2 -G246-	87
8	- Fuse 8 (on fuse panel B) -SB8-	10 A	- Fuel Pressure Regulator Valve -N276- Fuel Metering Valve -N290-	87
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Control unit for electric compressor -J1123- Electric compressor bypass flap -N731- Electric compressor coolant pump -V645-	87
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Oil Level Thermal Sensor -G266-	87
11	- Not used		-	
12	- Fuse 12 (on fuse panel B) -SB12-	15 A	- Cylinder 1 Intake Camshaft Adjuster 1 -F448- Cylinder 1 exhaust camshaft adjuster 1 -F450- Cylinder 2 Intake Camshaft Adjuster 1 -F452- Cylinder 2 exhaust camshaft adjuster 1 -F454- Cylinder 3 Intake Camshaft Adjuster 1 -F456- Cylinder 3 exhaust camshaft adjuster 1 -F458- Cylinder 4 Intake Camshaft Adjuster 1 -F460- Cylinder 4 exhaust camshaft adjuster 1 -F462- Cylinder 5 Intake Camshaft Adjuster 1 -F464- Cylinder 5 exhaust camshaft adjuster 1 -F466- Cylinder 6 Intake Camshaft Adjuster 1 -F468- Cylinder 6 exhaust camshaft adjuster 1 -F470- Cylinder 7 Intake Camshaft Adjuster 1 -F472- Cylinder 7 exhaust camshaft adjuster 1 -F474- Cylinder 8 Intake Camshaft Adjuster 1 -F476- Cylinder 8 exhaust camshaft adjuster 1 -F478-	87
13	- Fuse 13 (on fuse panel B) -SB13-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671-	87
14	- Fuse 14 (on fuse panel B) -SB14-	15 A	- Engine Control Module (ECM) -J623-	87
15	- Fuse 15 (on fuse panel B) -SB15-	10 A	- Oxygen Sensor (O2S) Heater -Z19- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC)) -Z29-	87
16	- Fuse 16 (on fuse panel B) -SB16-	30 A	- Fuel Pump (FP) Control Module -J538-	87

1.3.7 Fuse carrier 2 -ST2- , red W/ SB Fuse Panel

- Fuse carrier 2 -ST2-



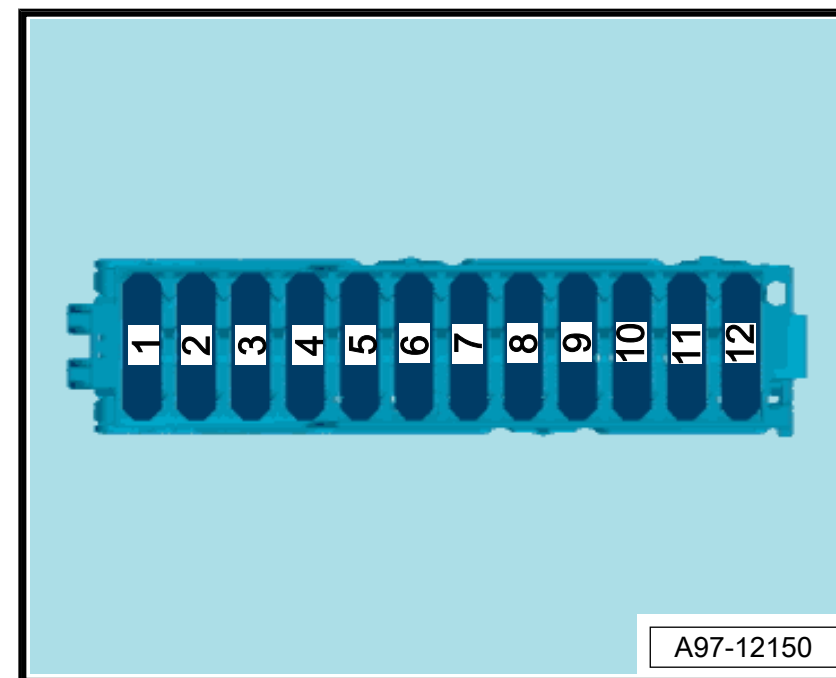
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	20 A	- Ignition Coil ..-with Power Output Stage -N.....- ¹⁾	87
2	- Fuse 2 (on fuse panel B) -SB2-	7.5 A	- A/C Compressor Clutch -N421- ²⁾	87
3	- Not used		-	
4	- Not used		-	
5	- Fuse 5 (on fuse panel B) -SB5-	30 A	- Subframe Mount Control Module -J931-	30
6	- Not used		-	
7	- Fuse 7 (on fuse panel B) -SB7-	40 A	- Fuse Panel C -SC-	30
8	- Fuse 8 (on fuse panel B) -SB8-	30 A	- Fresh Air Blower Control Module -J126-	30
9	- Not used		-	
10	- Not used		-	

11	- Fuse 11 (on fuse panel B) -SB11-	40 A ³⁾ 15 ⁴⁾	- Starter Relay 2 -J907- ³⁾ Thermal management control module -J1024- ⁴⁾	30
12	- Not used		-	

- ◆ ¹⁾ Only gasoline engine
- ◆ ²⁾ Only 6 cylinder gasoline engine
- ◆ ³⁾ Only models without High-Voltage System (0K0)
- ◆ ⁴⁾ Only models with High-Voltage System (0K3)

1.3.8 Fuse carrier 3 -ST3- , black W/ SB Fuse Panel

- Fuse carrier 3 -ST3-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	30 A ¹⁾	- Vehicle Electrical System Control Module -J519- ¹⁾	30

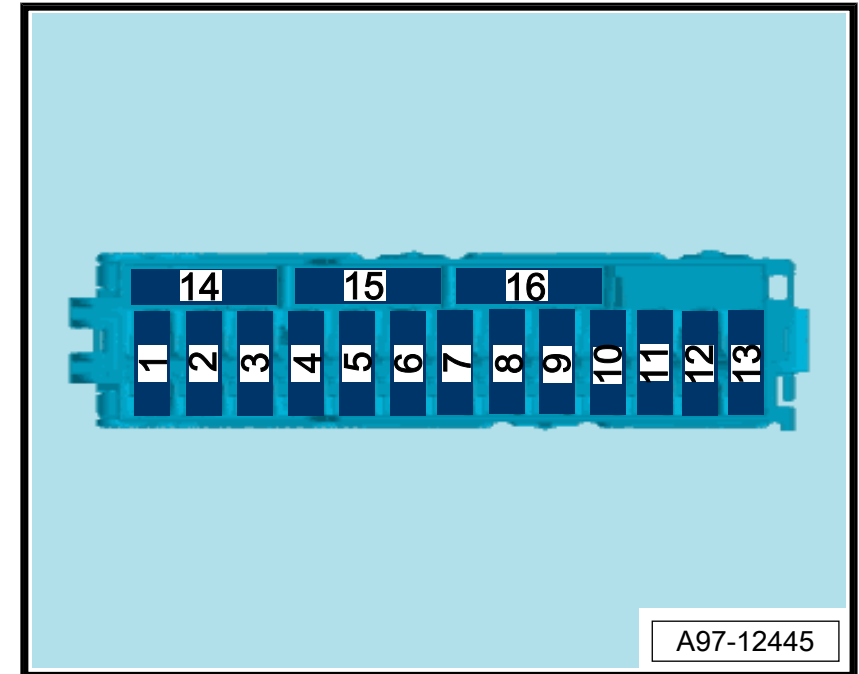
2	- Fuse 2 (on fuse panel B) -SB2-	30 A	- Wiper Motor Control Module -J400-	30
3	- Fuse 3 (on fuse panel B) -SB3-	30 A	- Vehicle Electrical System Control Module -J519-	30
4	- Fuse 4 (on fuse panel B) -SB4-	30 A	- Power Sunroof Control Module -J245-	30
5	- Fuse 5 (on fuse panel B) -SB5-	20 A	- Driver's Door Control Module -J386-	30
6	- Fuse 6 (on fuse panel B) -SB6-	20 A	- Vehicle Electrical System Control Module -J519-	30
7	- Fuse 7 (on fuse panel B) -SB7-	20 A	- Rear Front Passenger's Door Control Module -J927-	30
8	- Fuse 8 (on fuse panel B) -SB8-	30 A ²⁾	- Decoupler actuator -V606- ²⁾	30
9	- Fuse 9 (on fuse panel B) -SB9-	30 A	- Vehicle Electrical System Control Module -J519-	30
10	- Fuse 10 (on fuse panel B) -SB10-	35 A	- Vehicle Electrical System Control Module -J519-	30
11	- Fuse 11 (on fuse panel B) -SB11-	20 A	- Rear Door Control Module, Driver's Side -J926-	30
12	- Fuse 12 (on fuse panel B) -SB12-	30 A	- Auxiliary Heater Control Module -J364-	30

♦ ¹⁾ Only models without High-Voltage System (0K0)

♦ ²⁾ Only models with High-Voltage System (0K3)

1.3.9 Fuse carrier 4 -ST4- , brown W/ SB Fuse Panel

- Fuse carrier 4 -ST4-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- Diagnostic connection -U31- Automatic High Beam Assist Control Module -J844- Rear A/C Display Control Head -E265- Seat Heating Control Module -J882- Driver Seat Backrest Blower Fan -V388- Front Passenger Seat Backrest Blower Fan -V389- Driver Seat Cushion Blower Fan -V390- Front Passenger Seat Cushion Blower Fan -V391-	15
2	- Fuse 2 (on fuse panel B) -SB2-	10 A	- Data Bus On Board Diagnostic Interface -J533- Vehicle Electrical System Control Module -J519-	15
3	- Fuse 3 (on fuse panel B) -SB3-	7.5 A ²⁾ 15 A ³⁾	- Structure-Borne Sound Control Module -J869- ³⁾ Engine Sound Generator Control Module -J943- ²⁾ ³⁾	15
4	- Fuse 4 (on fuse panel B) -SB4-	5 A	- Transmission Oil Cooling Valve -N509-	15
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- Starter Relay 1 -J906- ¹⁾ Starter Relay 2 -J907- ¹⁾ Electric Drive Power and Control Electronics -JX1- ²⁾	15
6	- Not used		-	

7	- Fuse 7 (on fuse panel B) -SB7-	5 A ¹⁾ 10 A ²⁾	- 17-Pin Connector -T17b- in Connector station, on left lower A-pillar -TALU- ¹⁾ Brake Pedal Position Sensor -G100- ²⁾	15
8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Garage door opener control head -E284- Night vision system control module -J853- Sway stabilization control module -J924- Sway stabilization control module 2 -J1096- Driver-side ioniser -J1105-	15
9	- Fuse 9 (on fuse panel B) -SB9-	10 A	- Distance Regulation Control Module -J428- Distance Regulation Control Module 2 -J850-	15
10	- Not used		-	
11	- Fuse 11 (on fuse panel B) -SB11-	7.5 A	- Driver assistance systems front camera -R242-	15
12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- Front Right Headlamp -MX2-	15
13	- Fuse 13 (on fuse panel B) -SB13-	10 A	- Front Left Headlamp -MX1-	15
14	- Fuse 14 (on fuse panel B) -SB14-	20 A	- Rear Window Wiper Motor -V12-	15
15	- Not used		-	
16	- Not used		-	

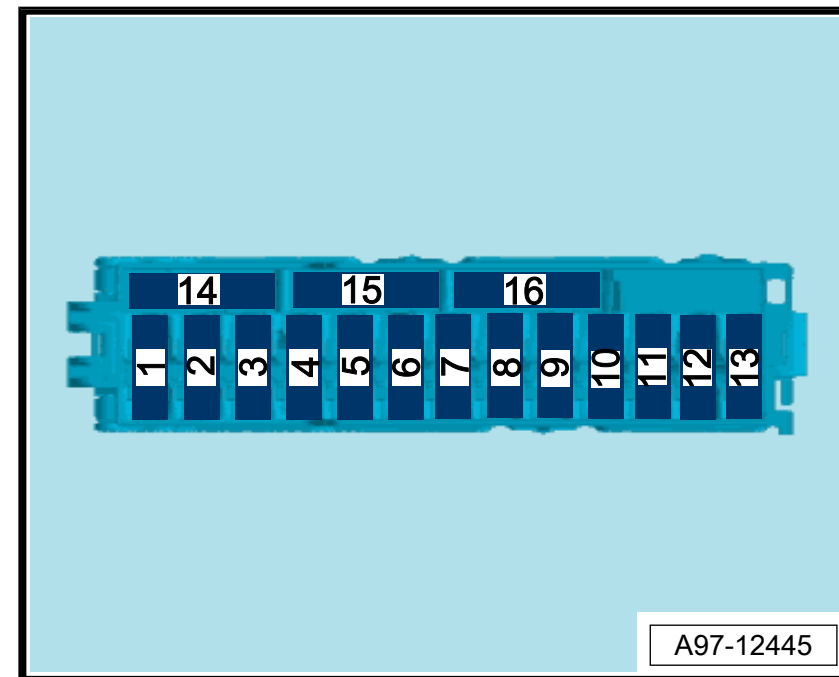
◆ ¹⁾ Only models without High-Voltage System (0K0)

◆ ²⁾ Only models with High-Voltage System (0K3)

◆ ³⁾ only models with 8 cylinder diesel engine

1.3.10 Fuse carrier 5 -ST5- , red W/ SB Fuse Panel

- Fuse carrier 5 -ST5-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12-	30
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Main Relay -J271- Engine Control Module (ECM) -J623-	30
3	- Not used		-	
4	- Fuse 4 (on fuse panel B) -SB4-	7.5 A	- Selector Lever Sensor Control Module -J587-	30
5	- Fuse 5 (on fuse panel B) -SB5-	15 A	- Vehicle Electrical System Control Module -J519-	30
6	- Fuse 6 (on fuse panel B) -SB6-	5 A	- Parking brake button -EX12-	30
7	- Fuse 7 (on fuse panel B) -SB7-	5 A	- Data Bus On Board Diagnostic Interface -J533-	30
8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Roof Electronics Control Module -J528-	30
9	- Not used		-	
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Airbag Control Module -J234-	30
11	- Fuse 11 (on fuse panel B) -SB11-	5 A	- ABS Control Module -J104-	30

12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- Rain/Light Recognition Sensor -G397- Light Recognition Sensor -G399- Diagnostic connection -U31-	30
13	- Fuse 13 (on fuse panel B) -SB13-	20 A	- Vehicle Electrical System Control Module -J519-	30
14	- Fuse 14 (on fuse panel B) -SB14-	20 A	- Front Passenger's Door Control Module -J387-	30
15	- Fuse 15 (on fuse panel B) -SB15-	20 A	- Vehicle Electrical System Control Module -J519-	30
16	- Not used		-	

1.4 Fuse Panel C SC

◆ ⇒ ["1.4.1 Fuse Panel C SC , location", page 19](#)

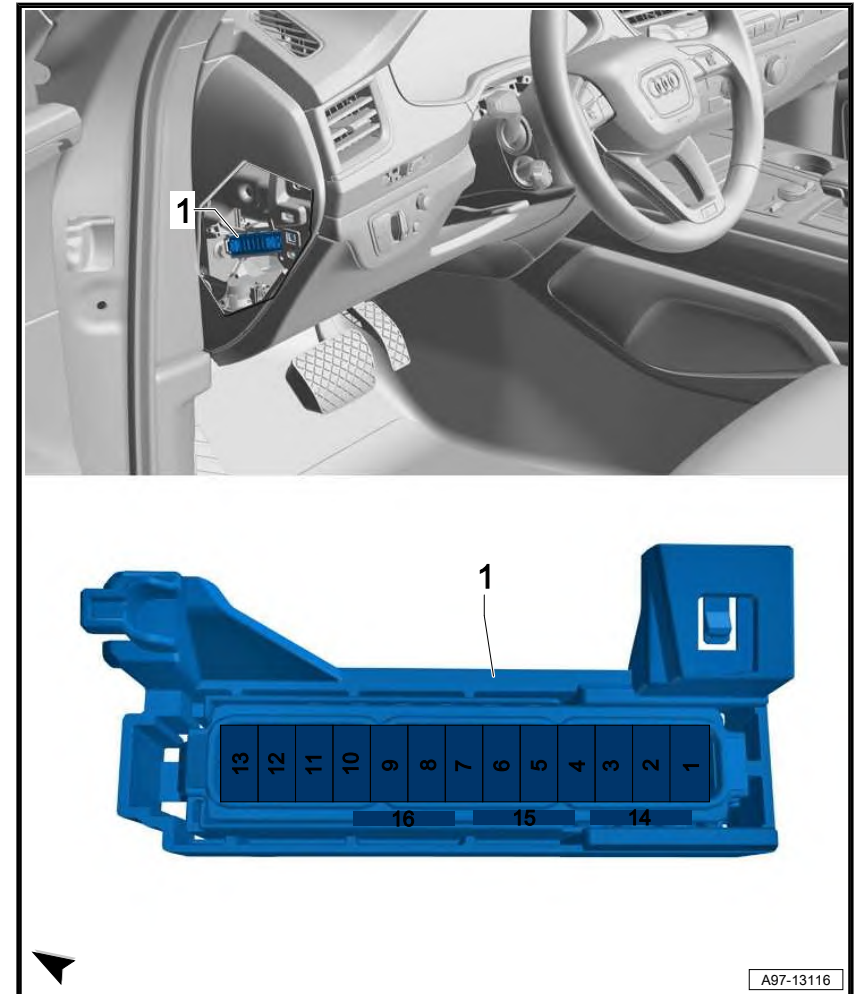
◆ ⇒ ["1.4.2 Fuse Panel C SC , layout", page 21](#)

1.4.1 Fuse Panel C -SC- , location

1 - ⇒ ["1.4.2 Fuse Panel C SC , layout", page 21](#)

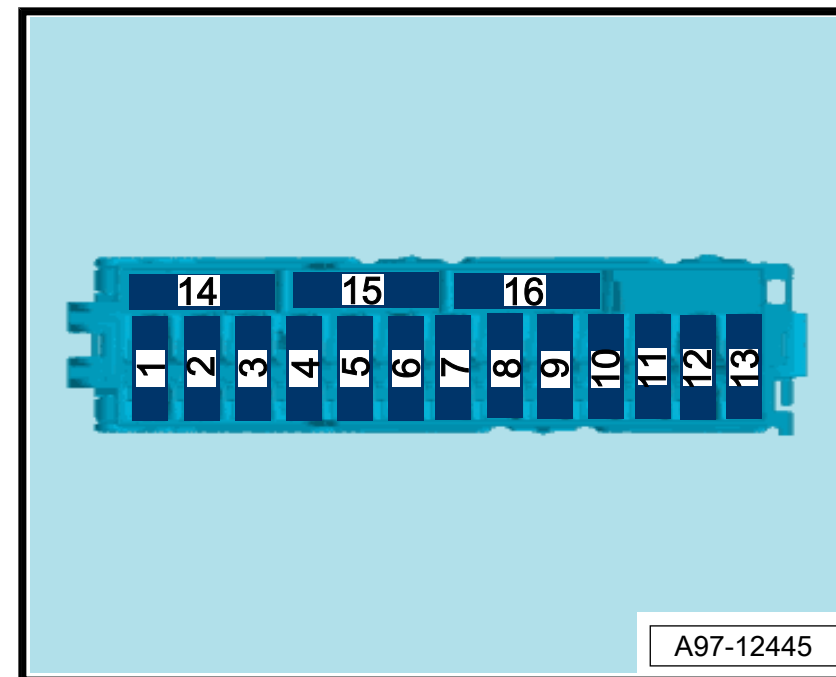
Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown



1.4.2 Fuse Panel C -SC- , layout

- Fuse Panel C -SC-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Chip Card Reader Control Module -J676- Telephone Baseplate -R126-	30
3	- Not used		-	
4	- Fuse 4 (on fuse panel C) -SC4-	5 A	- Windshield Projection Head Up Display Control Module -J898-	30
5	- Fuse 5 (on fuse panel C) -SC5-	5 A	- External Audio Source Connector -R199-	30
6	- Fuse 6 (on fuse panel C) -SC6-	10 A	- Front A/C display control head -E87-	30
7	- Fuse 7 (on fuse panel C) -SC7-	10 A	- Electronic Steering Column Lock Control Module -J764-	30
8	- Fuse 8 (on fuse panel C) -SC8-	5 A	- Front Information Display Control Head -J685- / Display pivot mechanism -VX452-	30
9	- Fuse 9 (on fuse panel C) -SC9-	10 A	- Instrument Cluster Control Module -J285-	30
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Multimedia Control Head -E380-	30

11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- Light Switch -E1- Control unit 1 for driving and convenience functions -E791-	30
12	- Fuse 12 (on fuse panel C) -SC12-	1 A	- Steering Column Electronic Systems Control Module -J527-	30
13	- Not used		-	
14	- Fuse 14 (on fuse panel C) -SC14-	5 A ²⁾ 20 A ²⁾	- Control Module for Information Electronics 1 -J794-	30
15	- Fuse 15 (on fuse panel C) -SC15-	25 A	- Power Adjustable Steering Column Control Module -J866-	30
16	- Fuse 16 (on fuse panel C) -SC16-	10 A	- Steering Column Electronic Systems Control Module -J527-	30

♦ ¹⁾ only with Bose Soundsystem (9VS)/Advanced Sound System (8RF)

♦ ²⁾ only with basic sound system (8RM)/Audi Sound System (9VD)

1.5 Relay and fuse carrier 3 SR3 W/ SF Fuse Panel

♦ ⇒ [“1.5.1 Relay and fuse carrier 3 SR3 W/ SF Fuse Panel, W/O High-Voltage System”, page 22](#)

♦ ⇒ [“1.5.2 Relay and fuse carrier 3 SR3 W/ SF Fuse Panel, W/ High-Voltage System \(0K3\)”, page 24](#)

1.5.1 Relay and fuse carrier 3 -SR3- W/ SF Fuse Panel, W/O High-Voltage System

1 - Relay and fuse panel 3 -SR3-

1 - Fuse Panel F -SF-

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

ST1 - → ["1.5.3 Fuse carrier 1 ST1 , black W/ SF Fuse Panel", page 25](#)

ST2 - → ["1.5.4 Fuse carrier 2 ST2 , red W/ SF Fuse Panel", page 26](#)

ST3 - → ["1.5.5 Fuse carrier 3 ST3 , brown W/ SF Fuse Panel", page 27](#)

ST4 - → ["1.5.6 Fuse carrier 4 ST4 , red W/ SF Fuse Panel", page 29](#)

ST5 - Fuse Carrier 5

- ☐ Not used

ST6 - Fuse Carrier 6

- ☐ Not used

6.1 - Fuse 1 - terminal 30 -S204- , 50 A

- ☐ to Digital Sound System Control Module J525, only with Advanced Sound System (8RF)

6.2 - Not used

7.1 - Rear window defogger fuse -S41- , 40 A

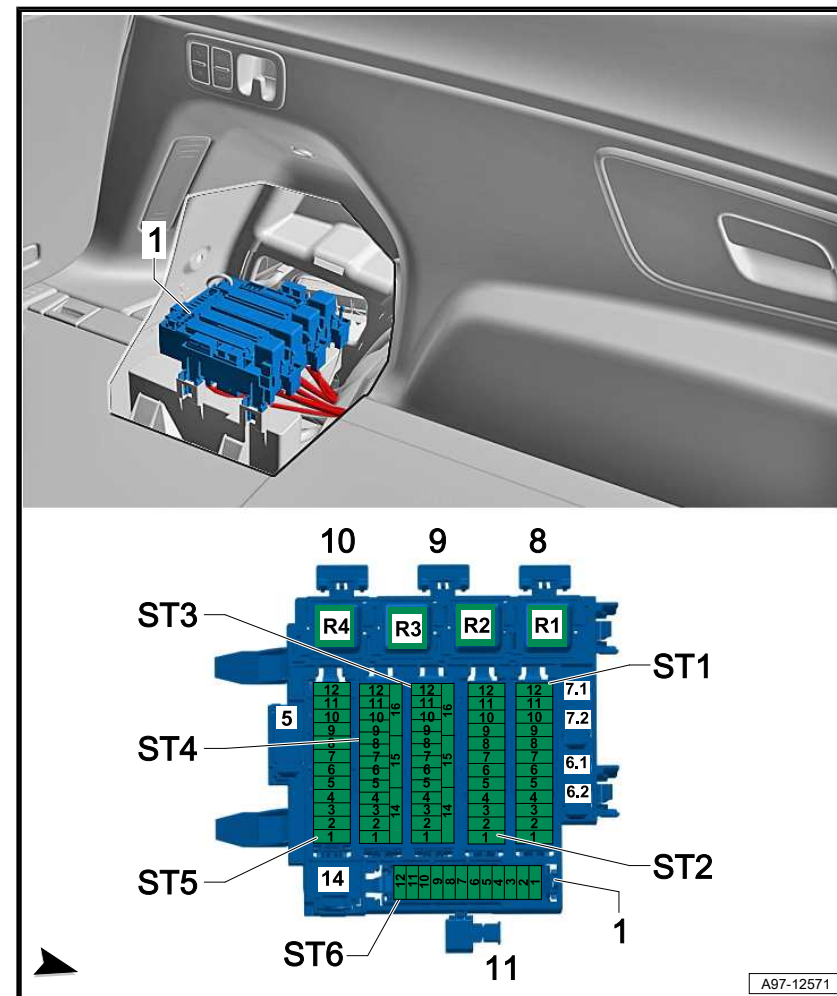
7.2 - Self-Leveling System Fuse -S110- , 40 A

8 - Not used

9 - Front Passenger's Power Seat Adjustment Circuit Breaker 1 -S46- , 15 A

10 - Trailer Circuit Breaker -S87- , 30 A

11 - Not used



1.5.2 Relay and fuse carrier 3 -SR3- W/ SF Fuse Panel, W/ High-Voltage System (0K3)

1 - Relay and fuse panel 3 -SR3-

1 - Fuse Panel F -SF-

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

ST1 - ⇒ ["1.5.3 Fuse carrier 1 ST1, black W/ SF Fuse Panel", page 25](#)

ST2 - ⇒ ["1.5.4 Fuse carrier 2 ST2, red W/ SF Fuse Panel", page 26](#)

ST3 - ⇒ ["1.5.5 Fuse carrier 3 ST3, brown W/ SF Fuse Panel", page 27](#)

ST4 - ⇒ ["1.5.6 Fuse carrier 4 ST4, red W/ SF Fuse Panel", page 29](#)

ST5 - ⇒ ["1.5.7 Fuse carrier 5 ST5, brown W/ SF Fuse Panel", page 30](#)

A - Trailer Circuit Breaker -S87-, 30 A

B - Front Passenger's Power Seat Adjustment Circuit Breaker 1 -S46-, 15 A

C - Self-Leveling System Fuse -S110-, 40 A

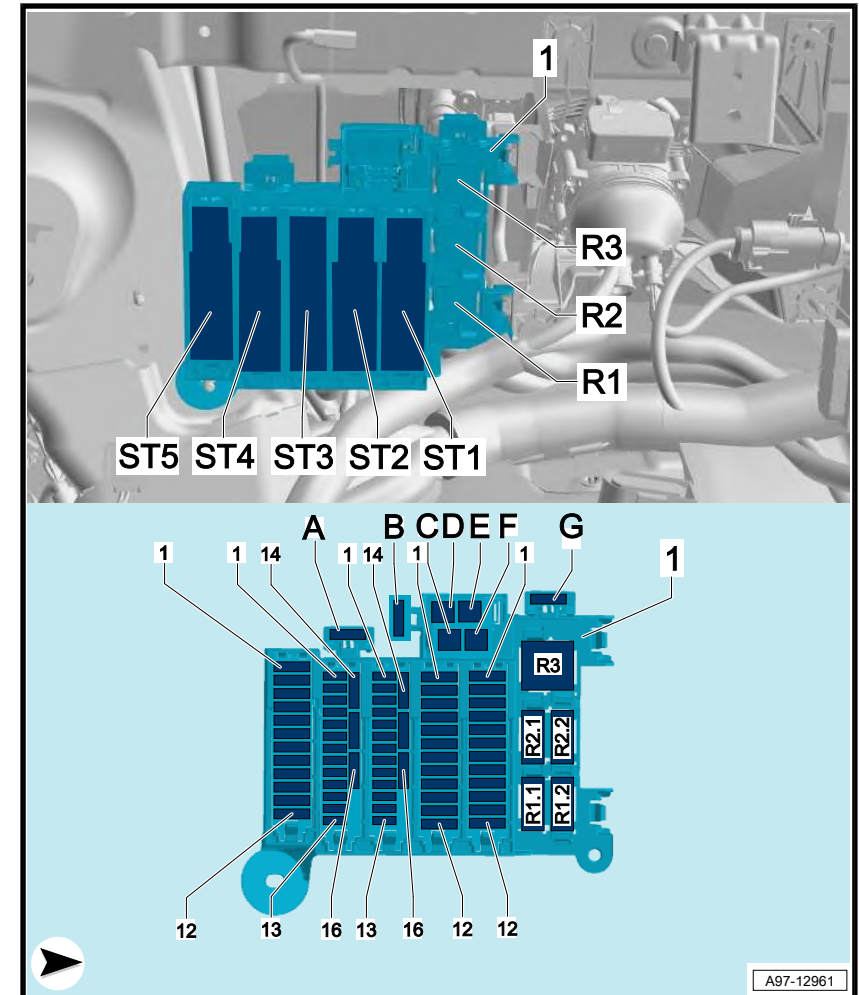
D - Fuse 1 - terminal 30 -S204-, 50 A

- to Digital Sound System Control Module J525, only with Advanced Sound System (8RF)

E - Not used

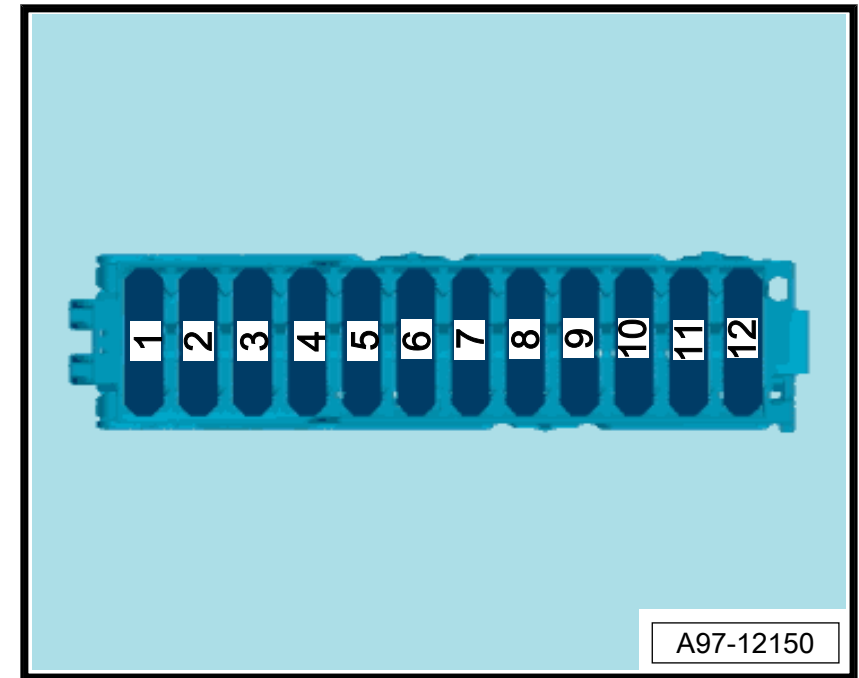
F - Rear window defogger fuse -S41-, 40 A

G - Not used



1.5.3 Fuse carrier 1 -ST1- , black W/ SF Fuse Panel

- Fuse carrier 1 -ST1-



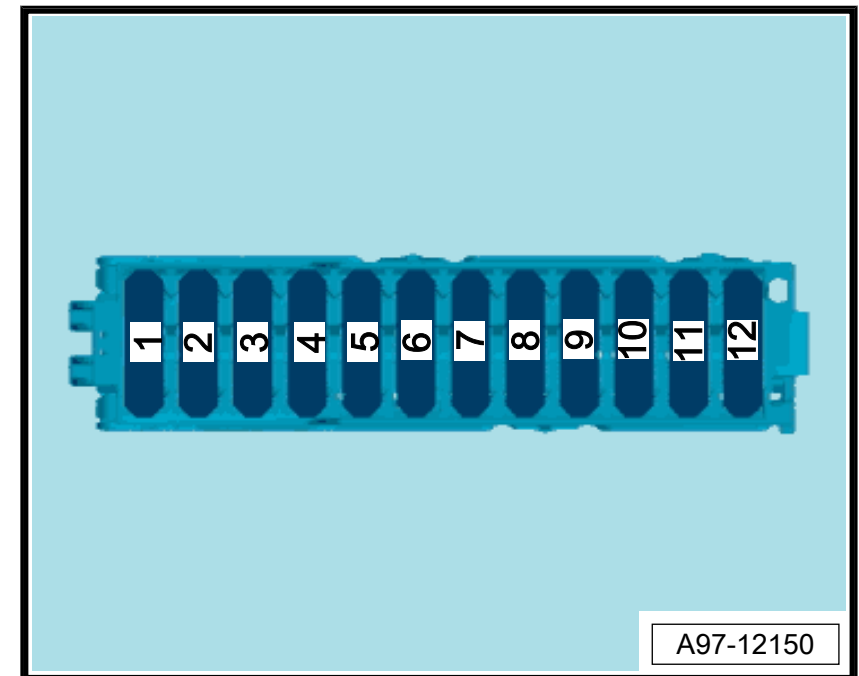
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	7.5 A	-  Connection 1 (in main wiring harness) (positive supply sensors and valves) High voltage heater (PTC) control module -J848- in the High voltage heater (PTC) -Z115-	87
2	- Not used		-	
3	- Not used		-	
4	- Not used		-	
5	- Fuse 5 (on fuse panel F) -SF5-	15 A	- Drivetrain control module -J775-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Transmission Control Module (TCM) -J217-	30
7	- Not used		-	
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	- Seat Heating Control Module -J882- ¹⁾ Rear A/C Display Control Head -E265- ²⁾ ³⁾	30

9	- Fuse 9 (on fuse panel F) -SF9-	20 A	- Comfort System Central Control Module -J393-	30
10	- Fuse 10 (on fuse panel F) -SF10-	25 A	- Left Front Seat Belt Tensioner Control Module -J854-	30
11	- Fuse 11 (on fuse panel B) -SF11-	20 A	- Comfort System Central Control Module -J393-	30
12	- Fuse 12 (on fuse panel F) -SF12-	30 A	- Rear Lid Control Module -J605-	30

- ◆ ¹⁾ Only models without High-Voltage System (0K0) and A/C 9AD
- ◆ ²⁾ Only models without High-Voltage System (0K0) and A/C 9AH/KH5
- ◆ ³⁾ Only models with High-Voltage System (0K3) and 4 cylinder gasoline engine

1.5.4 Fuse carrier 2 -ST2- , red W/ SF Fuse Panel

- Fuse carrier 2 -ST2-



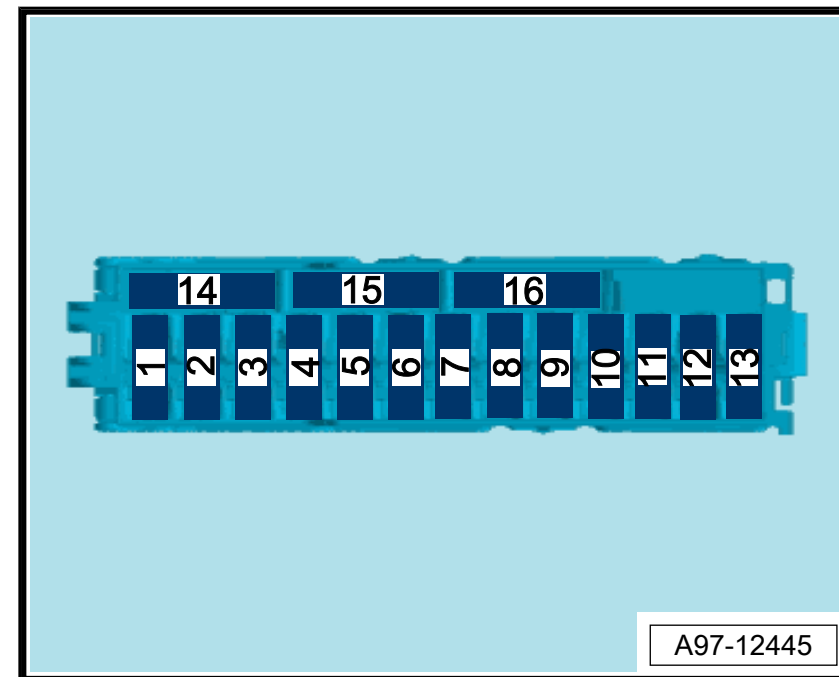
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	20 A	- Rear Fresh Air Blower Control Module -J391-	30

2	- Fuse 2 (on fuse panel F) -SF2-	30 A	- Digital Sound System Control Module -J525- , only with Bose Sound System (9VS)	30
3	- Fuse 3 (on fuse panel F) -SF3-	30 A	- Reducing Agent Metering System Control Module -J880- ¹⁾	30
4	- Fuse 4 (on fuse panel F) -SF4-	10 A	- Rear A/C Display Control Head -E265-	30
5	- Fuse 5 (on fuse panel B) -SF5-	25 A	- Towing Recognition Control Module -J345-	30
6	- Fuse 6 (on fuse panel F) -SF6-	30 A	- Towing Recognition Control Module -J345-	30
7	- Fuse 7 (on fuse panel F) -SF7-	15 A	- Towing Recognition Control Module -J345-	30
8	- Fuse 8 (on fuse panel F) -SF8-	25 A	- Towing Recognition Control Module -J345-	30
9	- Fuse 9 (on fuse panel F) -SF9-	15 A	- Towing Recognition Control Module -J345-	30
10	- Fuse 10 (on fuse panel F) -SF10-	40 A	- All-Wheel Drive Control Module -J492-	30
11	- Fuse 11 (on fuse panel F) -SF11-	25 A	- Reducing Agent Metering System Control Module -J880- ¹⁾	30
12	- Fuse 12 (on fuse panel F) -SF12-	40 A	- Third row seat adjustment control module -J857-	30

♦ ¹⁾ Only models without High-Voltage System (0K0)

1.5.5 Fuse carrier 3 -ST3- , brown W/ SF Fuse Panel

- Fuse carrier 3 -ST3-

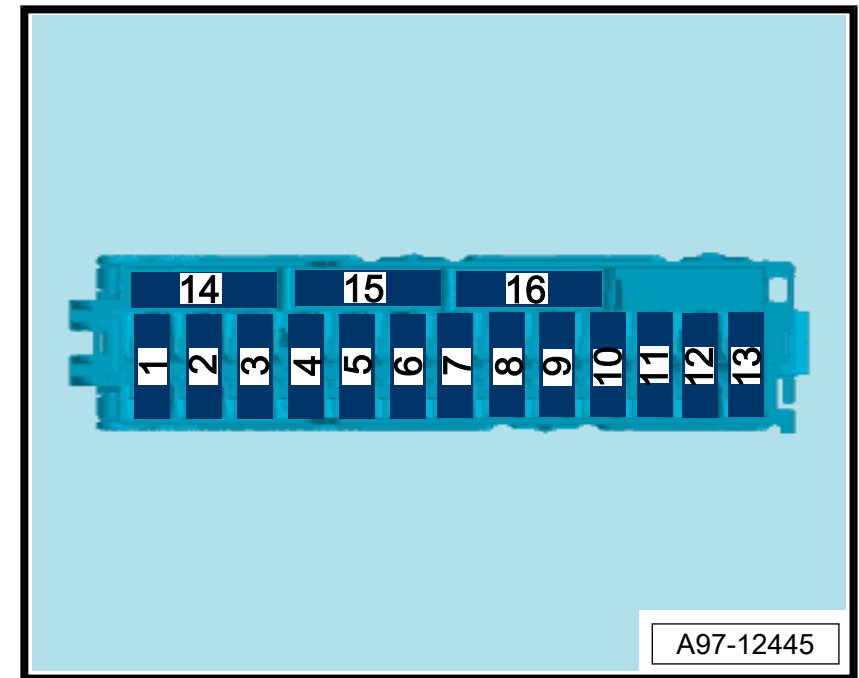


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Not used		-	
2	- Fuse 2 (on fuse panel F) -SF2-	5 A	- Amplifier for Telephone -R86-	30
3	- Not used		-	
4	- Fuse 4 (on fuse panel F) -SF4-	5 A	- Lane Change Assistance Control Module 2 -J770- Lane Change Assistance Control Module -J769-	30
5	- Fuse 5 (on fuse panel F) -SF5-	10 A	- Left rear information display control head control module -J648- Right rear information display control head control module -J649-	30
6	- Fuse 6 (on fuse panel F) -SF6-	5 A	- Tire Pressure Monitoring Control Module -J502-	30
7	- Not used		-	
8	- Fuse 8 (on fuse panel F) -SF8-	5 A	- Auxiliary Heater RF Receiver -R64- Metering Pump -V54- Fuel Tank Lead Detection Control Module -J909-	30
9	- Fuse 9 (on fuse panel F) -SF9-	5 A	- DVD Changer -R161-	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- TV Tuner -R78-	30
11	- Not used		-	

12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Garage Door Opener Control Module -J530-	30
13	- Fuse 13 (on fuse panel F) -SF13-	5 A	- Rear View Camera System Control Module -J772- Peripheral Camera Control Module -J928-	30
14	- Fuse 14 (on fuse panel F) -SF14-	20 A	- Comfort System Central Control Module -J393-	30
15	- Not used		-	
16	- Fuse 16 (on fuse panel F) -SF16-	25 A	- Right Front Seat Belt Tensioner Control Module -J855-	30

1.5.6 Fuse carrier 4 -ST4- , red W/ SF Fuse Panel

- Fuse carrier 4 -ST4-



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Sway stabilization control module -J924- Sway stabilization control module 2 -J1096-	30
2	- Fuse 2 (on fuse panel F) -SF2-	7.5 A	- High Voltage System Maintenance Connector -TW- ¹⁾	30
3	- Fuse 3 (on fuse panel F) -SF3-	10 A	- Engine Coolant Pump Relay -J235- ¹⁾	30

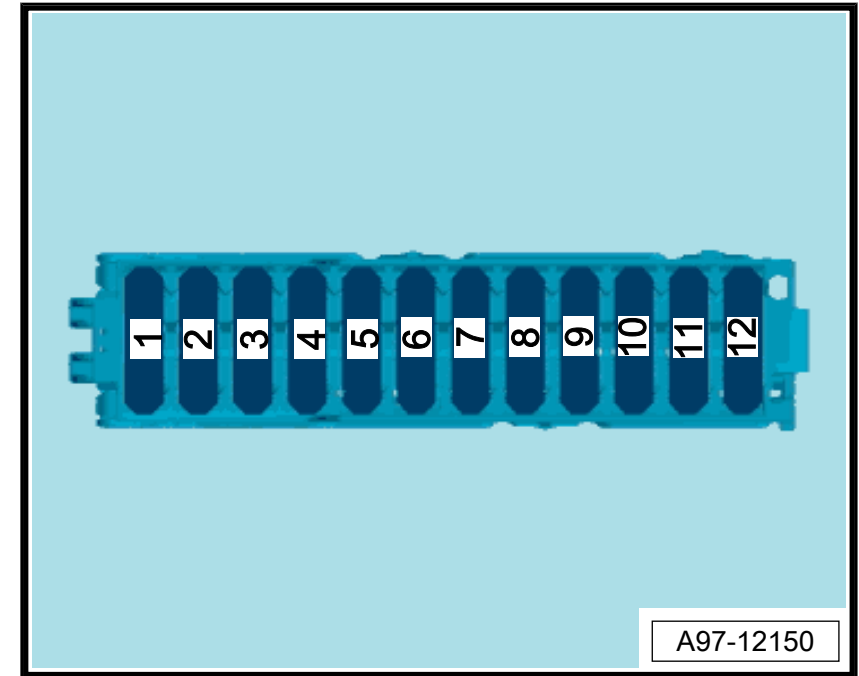
4	- Fuse 4 (on fuse panel F) -SF4-	7.5 A	- Electric Drive Power and Control Electronics -JX1- ¹⁾	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Brake booster -NX6- ¹⁾	30
6	- Not used		-	
7	- Fuse 7 (on fuse panel F) -SF7-	5 A	- Starter generator -C29- ¹⁾	30
8	- Fuse 8 (on fuse panel F) -SF8-	5 A	- A/C Compressor Control Module -J842- in Electrical A/C compressor -V470- ¹⁾	30
9	- Fuse 9 (on fuse panel F) -SF9-	10 A	- Battery, 48 V -A6- ²⁾	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Hybrid Battery Unit -AX1- ¹⁾	30
11	- Fuse 11 (on fuse panel F) -SF11-	7.5 A	- High voltage battery charger 1 -AX4- ¹⁾	30
12	- Not used		-	
13	- Not used		-	
14	- Fuse 14 (on fuse panel F) -SF14-	20 A	- Thermal management coolant pumps relay -J1141- ¹⁾	30
15	- Not used		-	
16	- Not used		-	

♦ ¹⁾ Only models with High-Voltage System (0K3)

♦ ²⁾ Only models with 48 V vehicle electrical system (VH2)

1.5.7 Fuse carrier 5 -ST5- , brown W/ SF Fuse Panel

- Fuse carrier 5 -ST5-



No.	Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	- Not used		-		
2	- Not used		-		
3	- Not used		-		
4	- Not used		-		
5	- Not used		-		
6	- Not used		-		
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	-	Vehicle Electrical System Control Module -J519- ¹⁾	30
8	- Not used		-		
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	-	Reducing Agent Metering System Control Module -J880- ¹⁾	30
10	- Fuse 10 (on fuse panel F) -SF10-	30 A	-	Rear A/C Display Control Head -E265- ²⁾	30
11	- Not used		-		
12	- Fuse 12 (on fuse panel F) -SF12-	25 A	-	Reducing Agent Metering System Control Module -J880- ¹⁾	30

- ◆ 1) Only models with High-Voltage System (0K3)
- ◆ 2) Only models with High-Voltage System (0K3) and 6 cylinder gasoline engine

1.6 Main fuse carrier on battery A

1 - Main fuse carrier on battery -A-

A1 - Connector Battery A, Plus

B1 - to B299 Positive connection 3 (30) (in main wiring harness), Battery monitoring control module J367

C1A - Safety fuse 1 -S131- , 150 A

- ❑ Models without High-Voltage System (0K0): to Power steering control module J500
- ❑ Models with High-Voltage System (0K3): to Auxiliary air heater control module J604

D1A - Safety fuse 2 -S132- , 150 A

- ❑ Models without High-Voltage System (0K0): to B301 Positive connection 5 (30) (in main wiring harness)
- ❑ Models with High-Voltage System (0K3): to B315 Positive connection 1 (30a) (in main wiring harness)

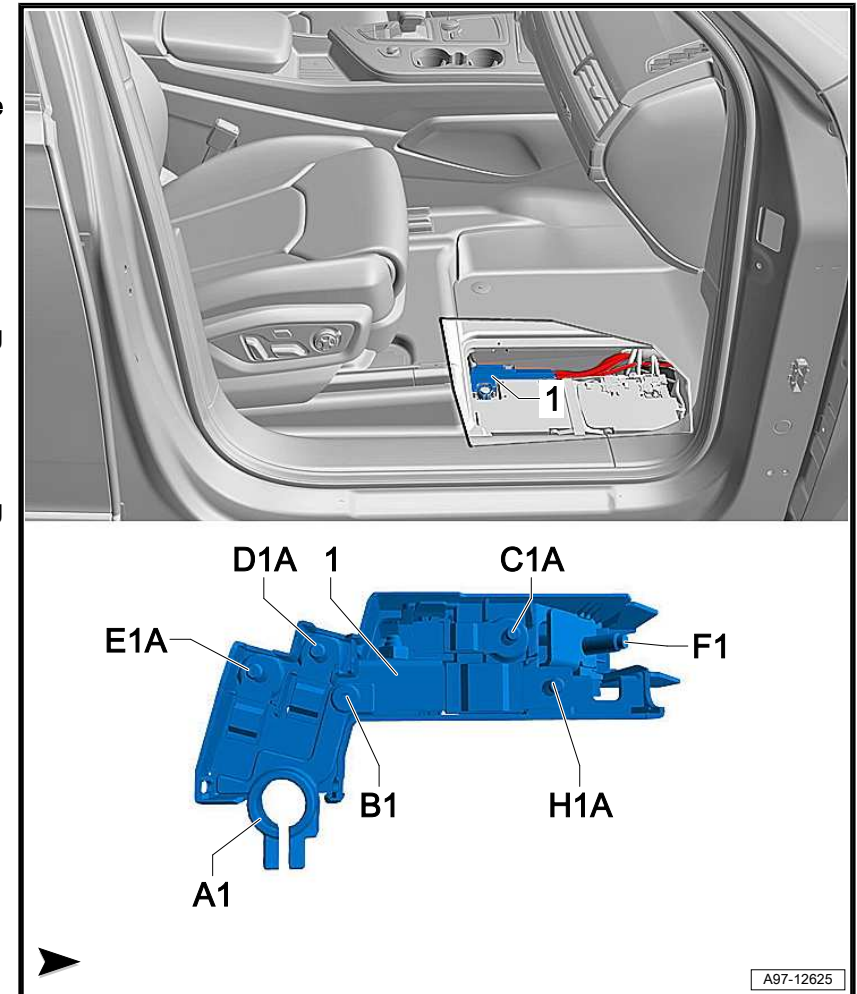
E1A - Safety fuse 3 -S133- , 200 A

- ❑ Models without High-Voltage System (0K0): to B300 Positive connection 4 (30) (in main wiring harness)
- ❑ Models with High-Voltage System (0K3): to B300 Positive connection 4 (30) (in main wiring harness) and to Windshield defogger control module J505

F1 - Terminal 30 Wire Junction -TV2-

H1A - Safety fuse 4 -S134- , 150 A

- ❑ Models without High-Voltage System (0K0): to Wire junctionTV1
- ❑ Models with High-Voltage System (0K3): to Terminal 30 wire junction 3 TV28



1.7 Wire junction TV1

♦ ⇒ [“1.7.1 Wire junction TV1 , except 8 cyl. TDI ”, page 33](#)

♦ ⇒ [“1.7.2 Wire junction TV1 , only 8 cyl. TDI ”, page 34](#)

1.7.1 Wire junction -TV1- , except 8 cyl. TDI

1 - Wire Junction -TV1-

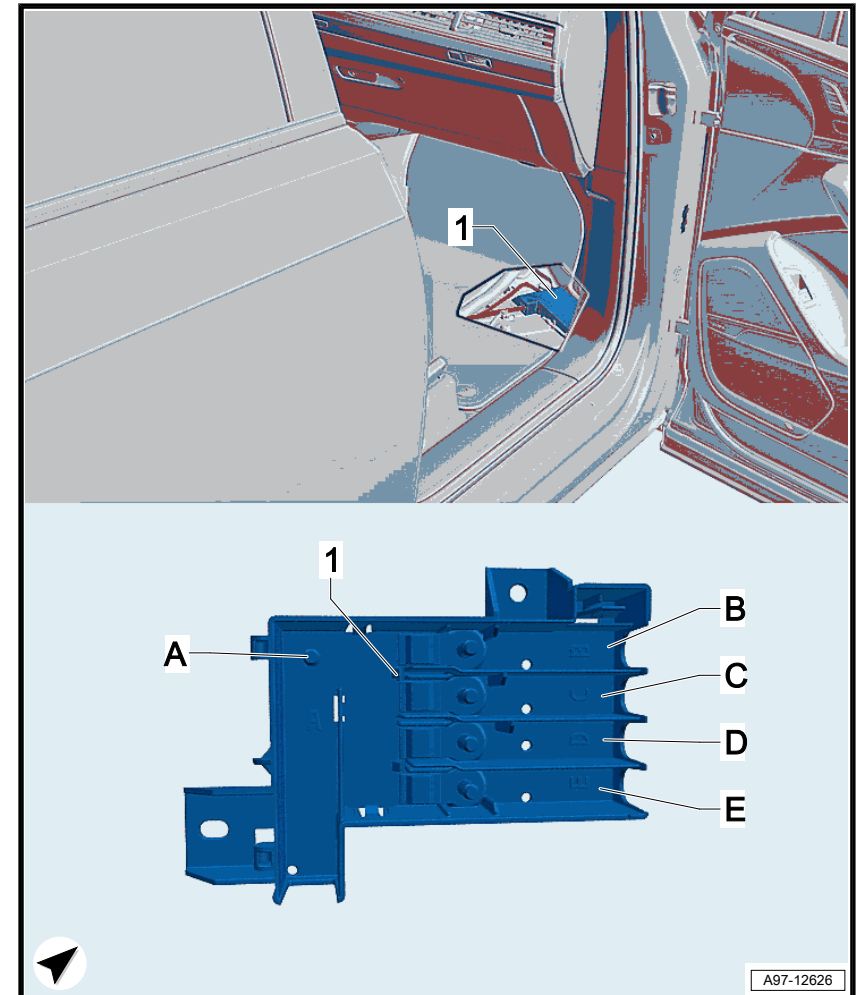
A - Connection from main fuse carrier on Battery A, Safety fuse 4 -S134-

B - Fuse 1 on wire junction -S371- , 150 A, to Auxiliary air heater control module J604

C - Fuse 2 on wire junction -S372- , 100 A, to Windshield defogger control module J505

D - Fuse 3 on wire junction -S373- , 80 A, to Rear axle steering control module J1019

E - Not used



1.7.2 Wire junction -TV1- , only 8 cyl. TDI

1 - Wire Junction -TV1-

2 - Not installed

A - Connection from main fuse carrier on Battery A, Safety fuse 4 -S134-

B - Fuse 4 on wire junction -S374- , 300 A

□ Terminal 30 to Voltage converter, 48 V/12 V A7

C - Fuse 1 on wire junction -S371- , 150 A

□ Terminal 30 to Auxiliary air heater control module J604

D - Fuse 2 on wire junction -S372- , 100 A

□ Terminal 30 to Windshield defogger control module J505

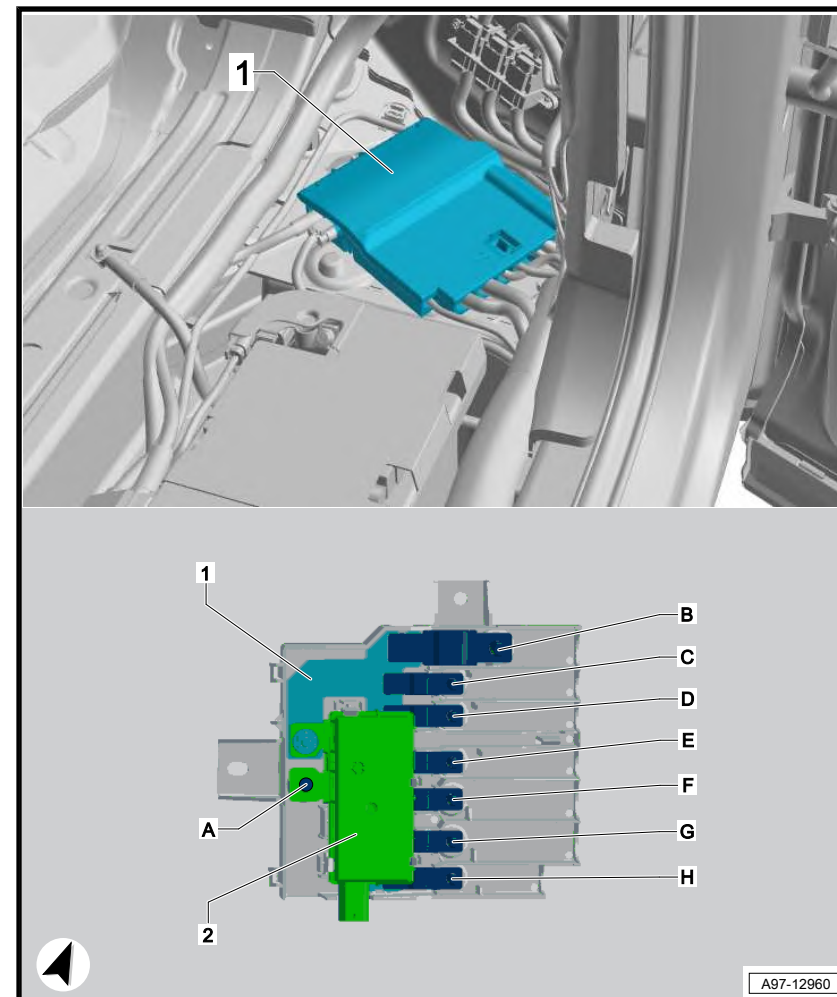
E - Fuse 3 on wire junction -S373- , 80 A

□ Terminal 30 to Rear axle steering control module J1019

F - Not used

G - Not used

H - Not used



1.8 Terminal 30 wire junction TV2 / Terminal 30 wire junction 2 TV22

1 - Terminal 30 Wire Junction -TV2-

1 - Terminal 30 wire junction 2 -TV22-

2 - Remote start connection -TV32-

3 - Battery Jump Start Terminal -U6-

B1 - Connection to Starter -B-

☐ Only models without High-Voltage System (0K0)

B1 - Connection to Starter generator -C29-

☐ Only models with High-Voltage System (0K3)

C1 - Not used

D1 - from connector F1, main fuse carrier on battery -A-

B1A - Glow Plug Fuse 2 -S189- , Diesel

☐ Depending on engine variants 60 A or 80 A

C1A - Secondary Air Injection (AIR) Pump Fuse -S130- , 70 A, gasoline engines

C1A - Glow Plugs Fuse -S125- , Diesel

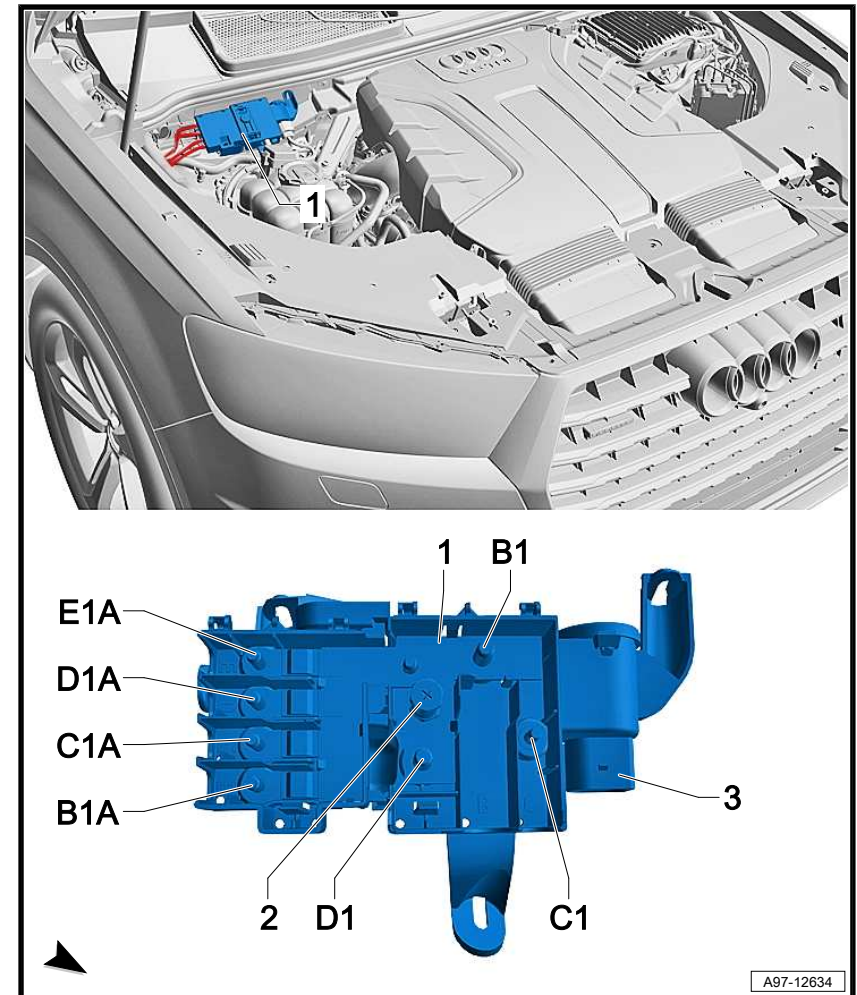
☐ Depending on engine variants 60 A, 80 A, 100 A or 125 A

D1A - Second Speed Coolant Fan Fuse -S104-

☐ Depending on equipment 50 A or 70 A

E1A - Coolant Fan Single Fuse -S42-

☐ Depending on equipment 50 A or 70 A



1.9 Terminal 30 wire junction 3 TV28

1 - Terminal 30 wire junction 3 -TV28-

2 - Blocking diode for disconnecting electrical -J1165-

- ☐ Only models with 6 cylinder diesel engine

A - Connection from main fuse carrier on Battery A, Safety fuse 4 -S134-

B - Fuse 2 - terminal 30 -S205- , 250 A

- ☐ Terminal 30 to Electric drive power and control electronics JX1

C - Fuse 3 - terminal 30 -S206- , 150 A

- ☐ Terminal 30 to Power steering control module J500

D - Not used

E - Fuse 4 - terminal 30 -S207- , 80 A

- ☐ Terminal 30 to Rear axle steering control module J1019

F - Fuse 5 - terminal 30 -S208- , 200 A

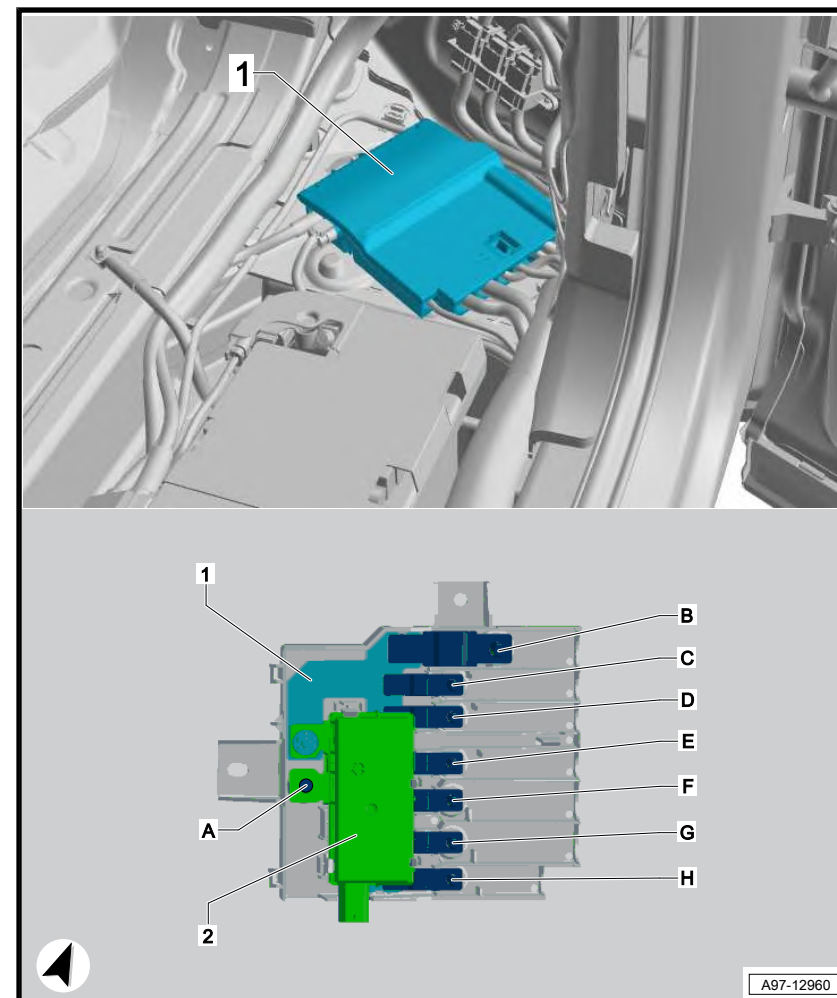
- ☐ Terminal 30, to B321 Positive connection 7 (30a) in main wiring harness

G - Fuse 6 - terminal 30 -S209- , 150 A

- ☐ Terminal 30, to B322 Positive connection 8 (30a) in main wiring harness

H - Fuse 7 - terminal 30 -S210- , 40 A

- ☐ Terminal 30, to Brake booster NX6



1.10 Terminal 40 wire junction TV66

1 - Terminal 40 Wire Junction -TV66-

A - Not used

B - Connection from Terminal 40 wire junction 2 -TV67-

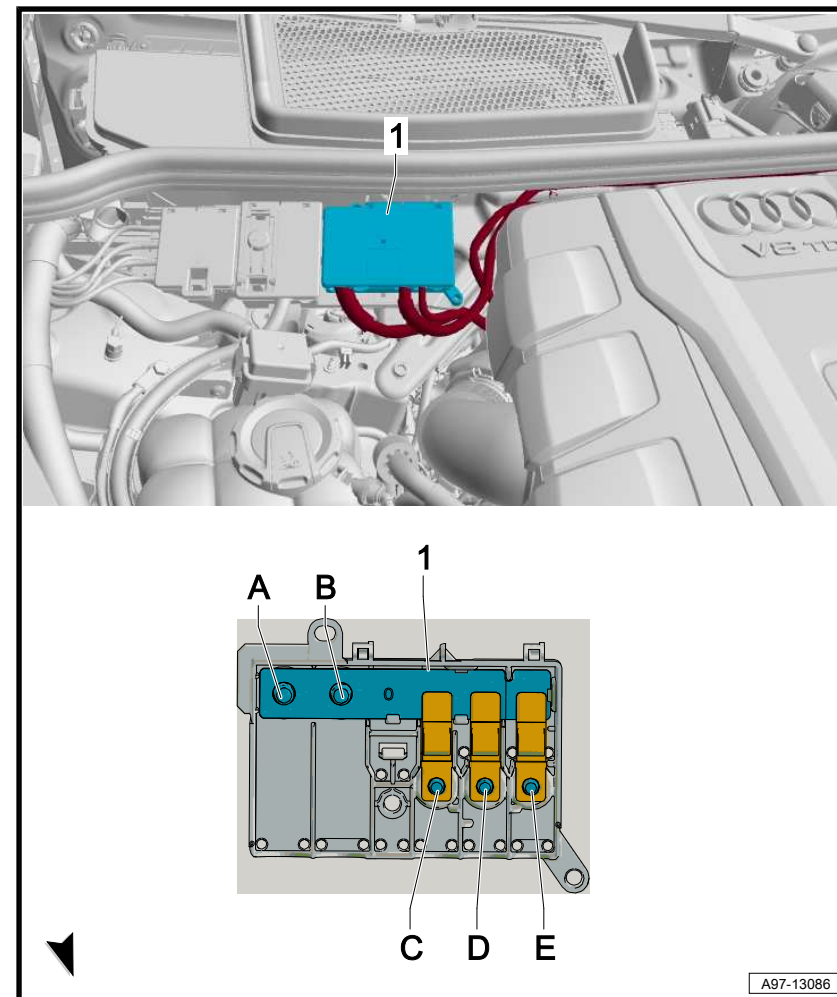
C - Fuse 1 on terminal 40 wire junction -S366- , 150 A

□ Terminal 40 to Control unit for electric compressor J1123

D - Fuse 2 on terminal 40 wire junction -S367- , 30 A

□ Terminal 40 to Sway stabilization control module J924

E - Not used



1.11 Terminal 40 wire junction 2 TV67

◆ ⇒ ["1.11.1 Terminal 40 wire junction 2 TV67 , 5 seat, \(5KA\)", page 38](#)

◆ ⇒ ["1.11.2 Terminal 40 wire junction 2 TV67 , 7 seat, \(5KL\)", page 39](#)

1.11.1 Terminal 40 wire junction 2 -TV67- , 5 seat, (5KA)

1 - Terminal 40 wire junction 2 -TV67-

A - Connection to Terminal 40 wire junction -TV66-

- ☐ Only models with electric compressor (0K4)

B - Terminal 40 connection to Battery, 48 V -A6-

C - Fuse 1 on terminal 40 wire junction 2 -S368- , 125 A

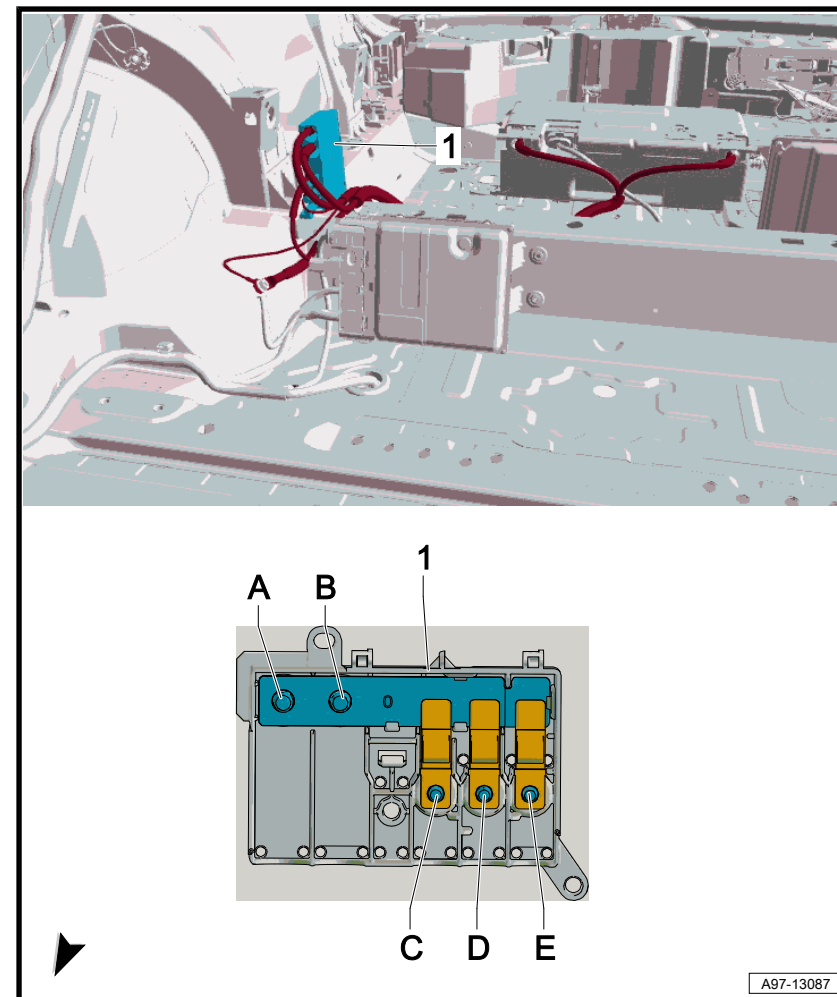
- ☐ Terminal 40 from Voltage converter, 48 V/12 V A7

D - Fuse 2 on terminal 40 wire junction 2 -S369- , 30 A

- ☐ Terminal 40 to Sway stabilization control module 2 J1096

E - Fuse 3 on terminal 40 wire junction 2 -S370- , 30 A

- ☐ Only models without electric compressor (0K4)
- ☐ Terminal 40 to Sway stabilization control module J924



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1.11.2 Terminal 40 wire junction 2 -TV67- , 7 seat, (5KL)

1 - Terminal 40 wire junction 2 -TV67-

A - Connection to Terminal 40 wire junction -TV66-

- ☐ Only models with electric compressor (0K4)

B - Terminal 40 connection to Battery, 48 V -A6-

C - Fuse 1 on terminal 40 wire junction 2 -S368- , 125 A

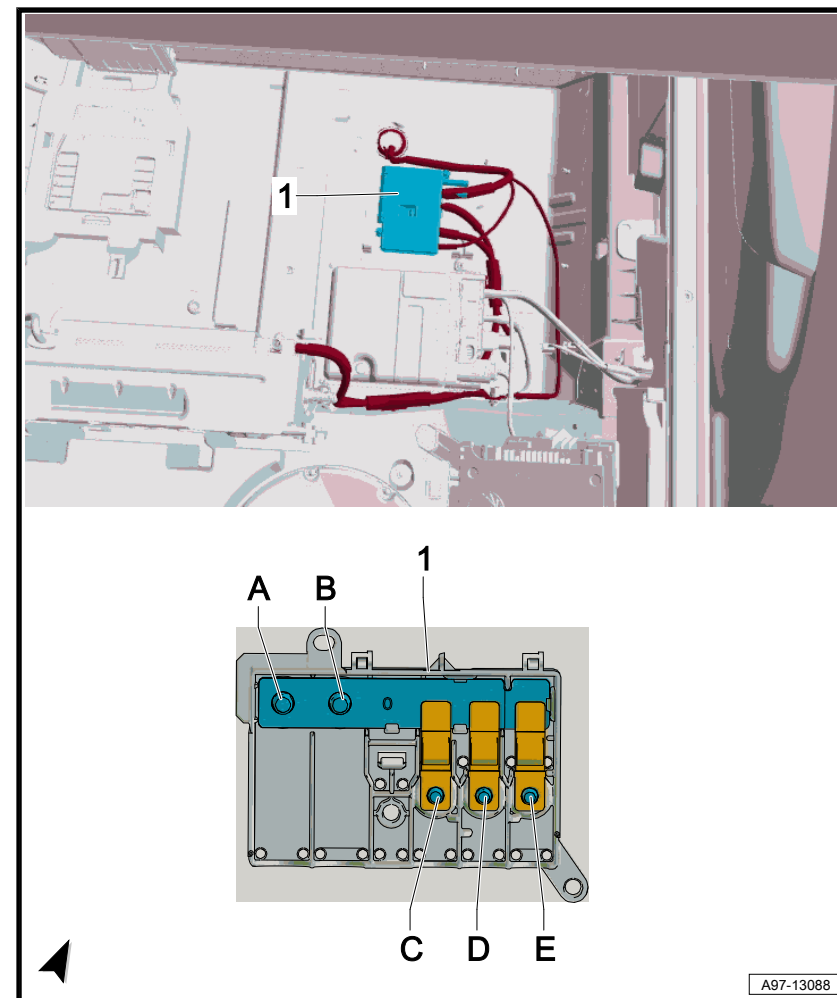
- ☐ Terminal 40 from Voltage converter, 48 V/12 V A7

D - Fuse 2 on terminal 40 wire junction 2 -S369- , 30 A

- ☐ Terminal 40 to Sway stabilization control module 2 J1096

E - Fuse 3 on terminal 40 wire junction 2 -S370- , 30 A

- ☐ Only models without electric compressor (0K4)
- ☐ Terminal 40 to Sway stabilization control module J924



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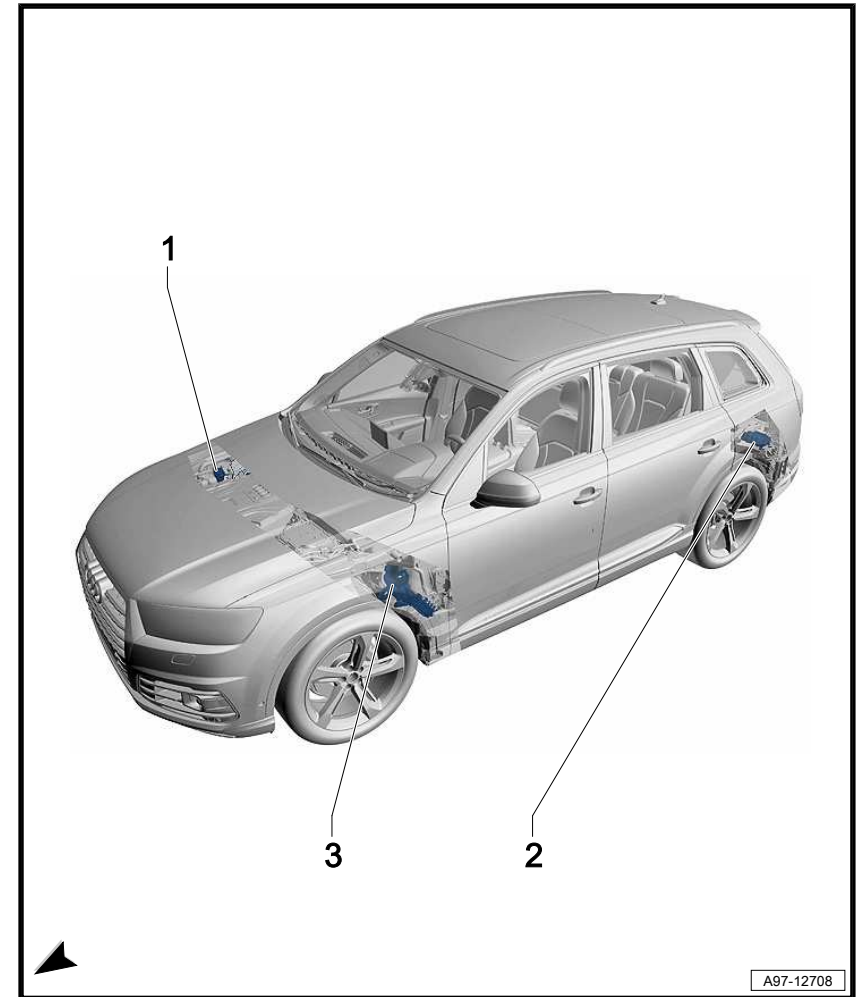
1 Comp. Loc. Relays

1.1 Relays Overview

1 - ⇒ ["1.2 Relay and fuse carrier 1 SR1", page 2](#)

2 - ⇒ ["1.4 Relay and fuse carrier 3 SR3", page 4](#)

3 - ⇒ ["1.3 Relay and fuse carrier 2 SR2", page 2](#)



1.2 Relay and fuse carrier 1 SR1

1 - Relay and fuse carrier 1 -SR1- , part 1

2 - Relay and fuse carrier 1 -SR1- , part 2

☐ Only models with gasoline engines

R1.1 - Not used

R1.2 - Fuse (50) S216, 5 A

R2 - Starter Relay 1 -J906-

☐ Only models without High-Voltage System (0K0)

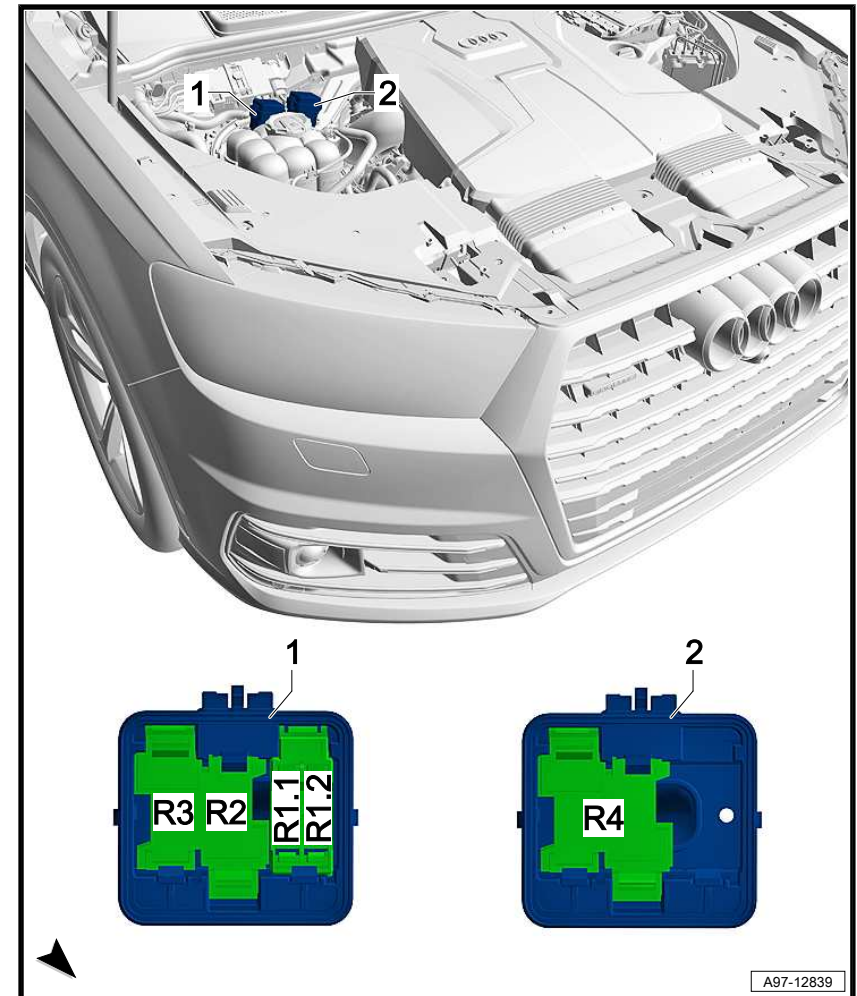
R2 - Voltage supply relay for lights for signature lighting -J1142-

☐ Only models with high-voltage system (0K3)

R3 - Starter Relay 2 -J907-

☐ Only models without High-Voltage System (0K0)

R4 - Secondary Air Injection (AIR) Pump Relay -J299-



Volkswagen Technical Site: <https://vwts.ru>

1.3 Relay and fuse carrier 2 SR2

◆ ⇒ [“1.3.1 Relay and fuse carrier 2 SR2 , LHD” , page 3](#)

◆ ⇒ [“1.3.2 Relay and fuse carrier 2 SR2 , RHD” , page 4](#)

1.3.1 Relay and fuse carrier 2 -SR2- , LHD

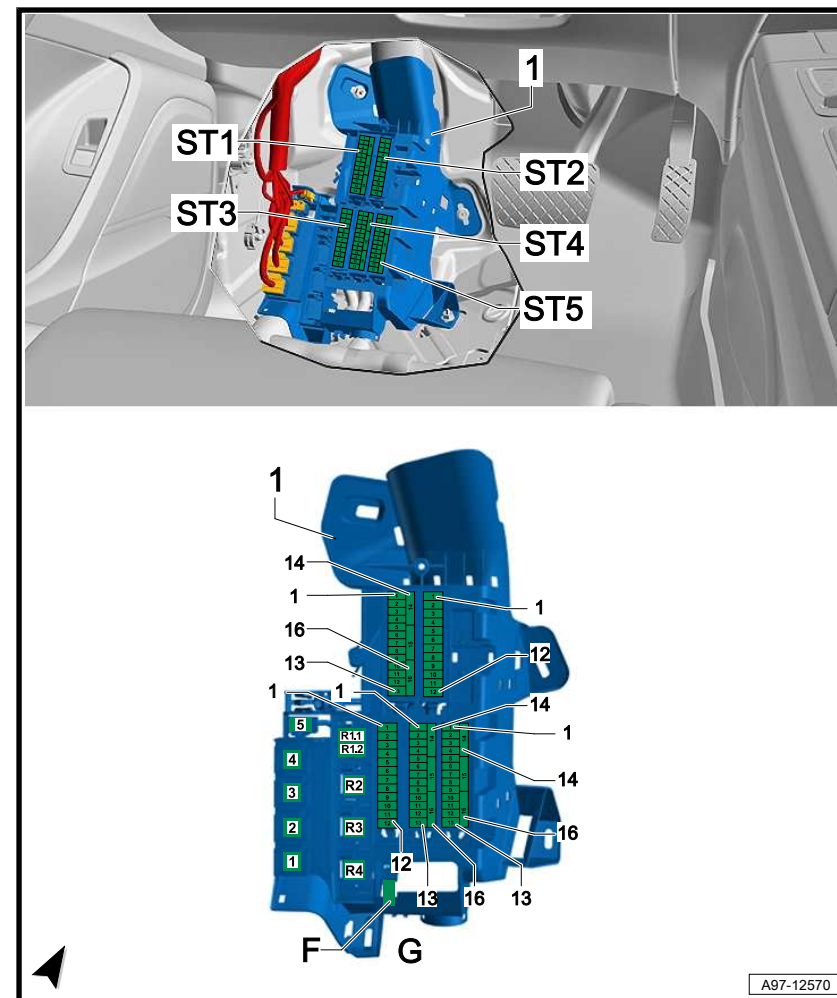
1 - Relay and fuse carrier 2 -SR2-

R1 - Fuse Panel H -SH-

R2 - Main Relay -J271-

R3 - Engine Component Power Supply Relay -J757-

R4 - Terminal 15 power supply relay -J329-



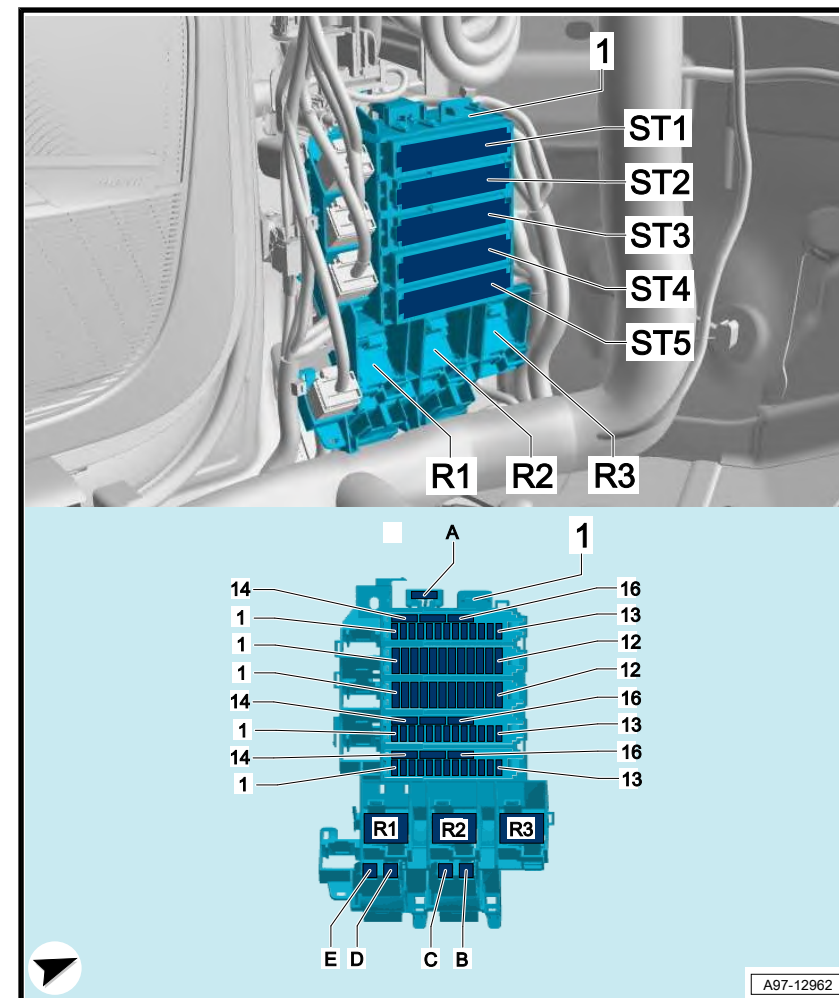
1.3.2 Relay and fuse carrier 2 -SR2- , RHD

1 - Relay and fuse carrier 2 -SR2-

R1 - Terminal 15 power supply relay -J329-

R2 - Main Relay -J271-

R3 - Engine Component Power Supply Relay -J757-



1.4 Relay and fuse carrier 3 SR3

◆ ⇒ ["1.4.1 Relay and fuse carrier 3 SR3 , W/O High-Voltage System", page 5](#)

◆ ⇒ ["1.4.2 Relay and fuse carrier 3 SR3 , W/ High-Voltage System ", page 6](#)

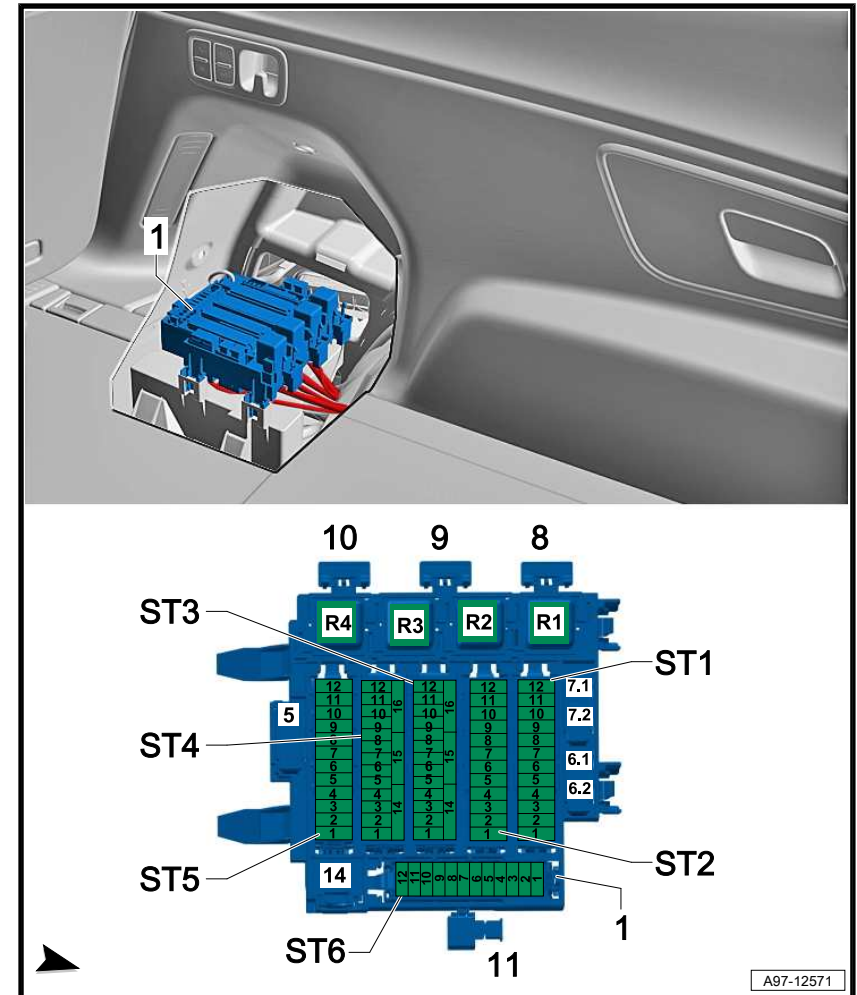
1.4.1 Relay and fuse carrier 3 -SR3-, W/O High-Voltage System

R1 - Rear window defogger relay -J9-

R2 - Not used

R3 - Not used

R4 - Not used



1.4.2 Relay and fuse carrier 3 -SR3- , W/ High-Voltage System

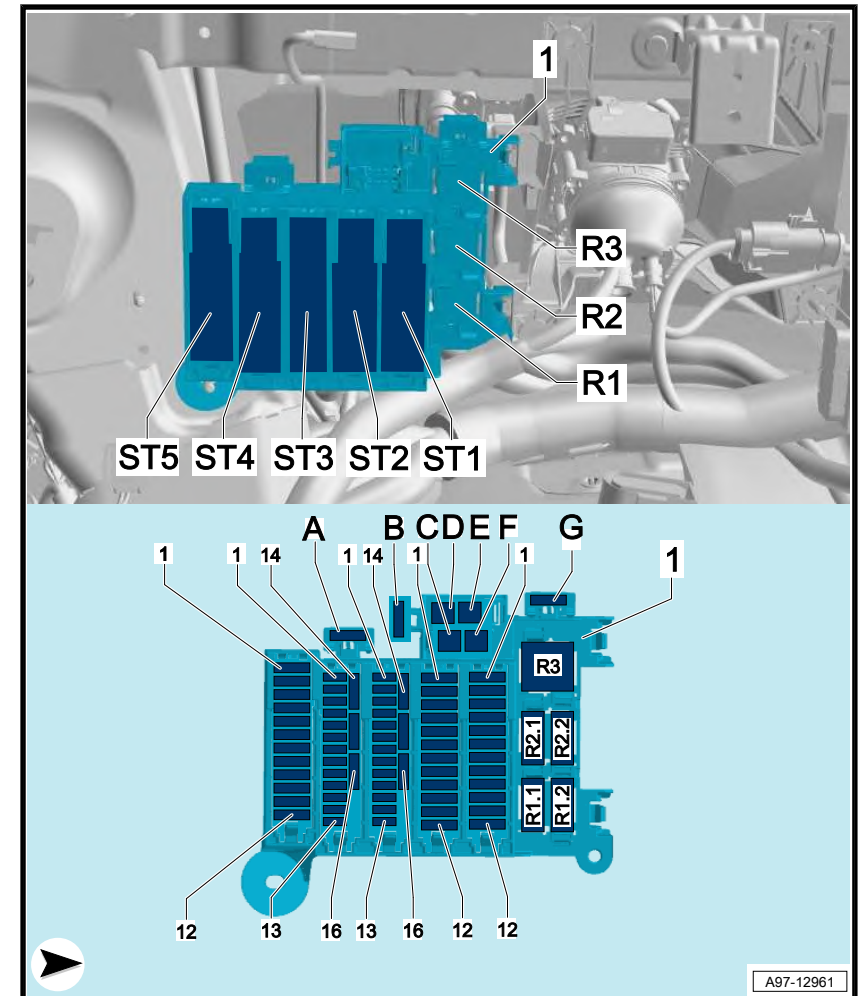
R1.1 - Not used

R1.2 - Not used

R2.1 - Engine Coolant Pump Relay -J235-

R2.2 - Thermal management coolant pumps relay -J1141-

R3 - Rear window defogger relay -J9-

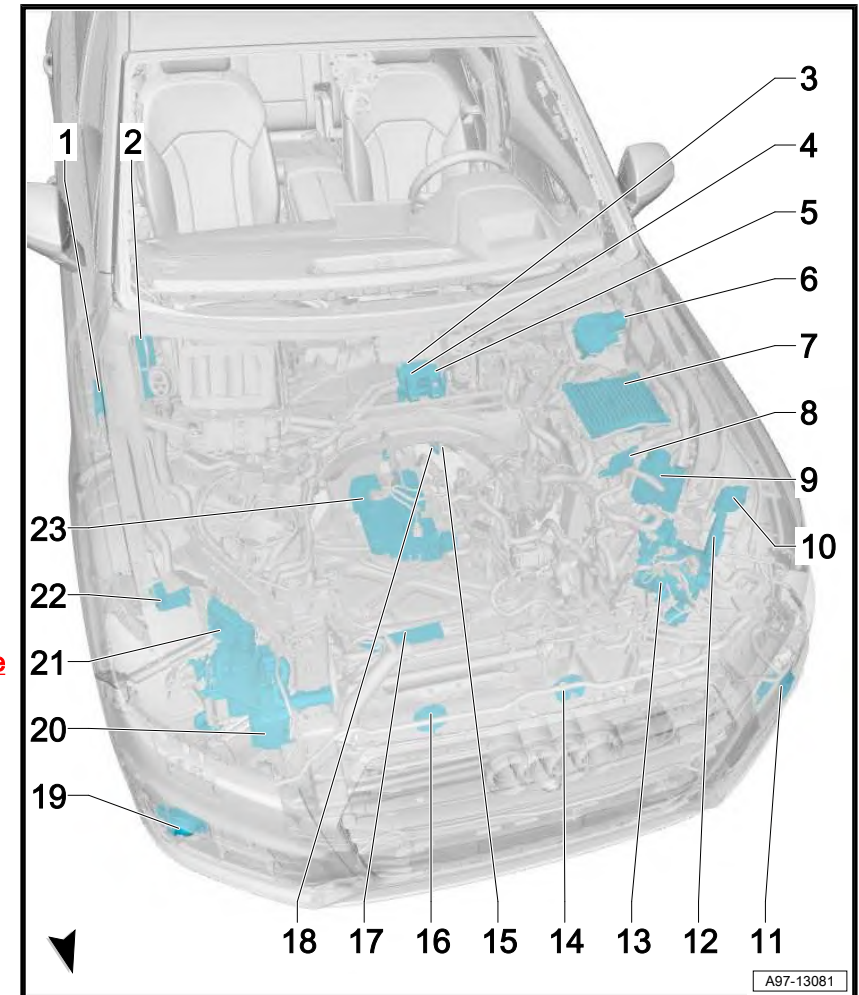


1 Comp. Loc. Vehicle Front Modules

- ◆ ⇒ [“1.1 Vehicle Front Modules Overview”, page 1](#)
- ◆ ⇒ [“1.2 Additional Vehicle Front Modules, W/ High-Voltage System”, page 3](#)

1.1 Vehicle Front Modules Overview

- 1 - ⇒ [“1.22 Thermal management control module J1024”, page 47](#)
- 2 - ⇒ [“1.21 Subframe mount control module J931”, page 44](#)
- 2 - ⇒ [“1.20 Sway stabilization control module J924”, page 41](#)
- 3 - ⇒ [“1.18 Structure-Borne Sound Control Module J869”, page 37](#)
- 4 - ⇒ [“1.5 Automatic glow time control module J179 / Glow time control module 2 J703”, page 8](#)
- 5 - ⇒ [“1.5 Automatic glow time control module J179 / Glow time control module 2 J703”, page 8](#)
 - ❑ Only 8 cylinder diesel engine
- 6 - ⇒ [“1.10 Wiper Motor Control Module J400”, page 19](#)
- 7 - ⇒ [“1.14 Engine Control Module \(ECM\) J623”, page 29](#)
- 8 - ⇒ [“1.13 NOx sensor control module J583”, page 25](#)
- 9 - ⇒ [“1.4 ABS Control Module J104”, page 5](#)
- 10 - ⇒ [“1.24 Left light control module J1018 / Right light control module J1023”, page 51](#)
 - ❑ only installed on models with Bi-Xenon
- 11 - ⇒ [“1.17 Distance regulation control module 2 J850”, page 35](#)
- 12 -
⇒ [“1.25 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27”, page 54](#)
 - ❑ only installed on models with LED and LED matrix beam
- 13 - ⇒ [“1.23 Control unit for electric compressor J1123”, page 49](#)
- 14 - ⇒ [“1.7 Coolant fan control module J293”, page 14](#)
- 15 - ⇒ [“1.3 Particulate sensor G784”, page 3](#)
- 16 - ⇒ [“1.8 Coolant Fan Control \(FC\) Control Module 2 J671”, page 15](#)
- 17 - ⇒ [“1.12 Power Steering Control Module J500”, page 23](#)
- 18 - ⇒ [“1.19 NOX Sensor Control Module 2 J881”, page 39](#)
- 19 - ⇒ [“1.11 Distance regulation control module J428”, page 21](#)





20 - ⇒ ["1.9 Auxiliary heater control module J364", page 17](#)

21 - ⇒ ["1.25 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27", page 54](#)

- ☐ only installed on models with LED and LED matrix beam

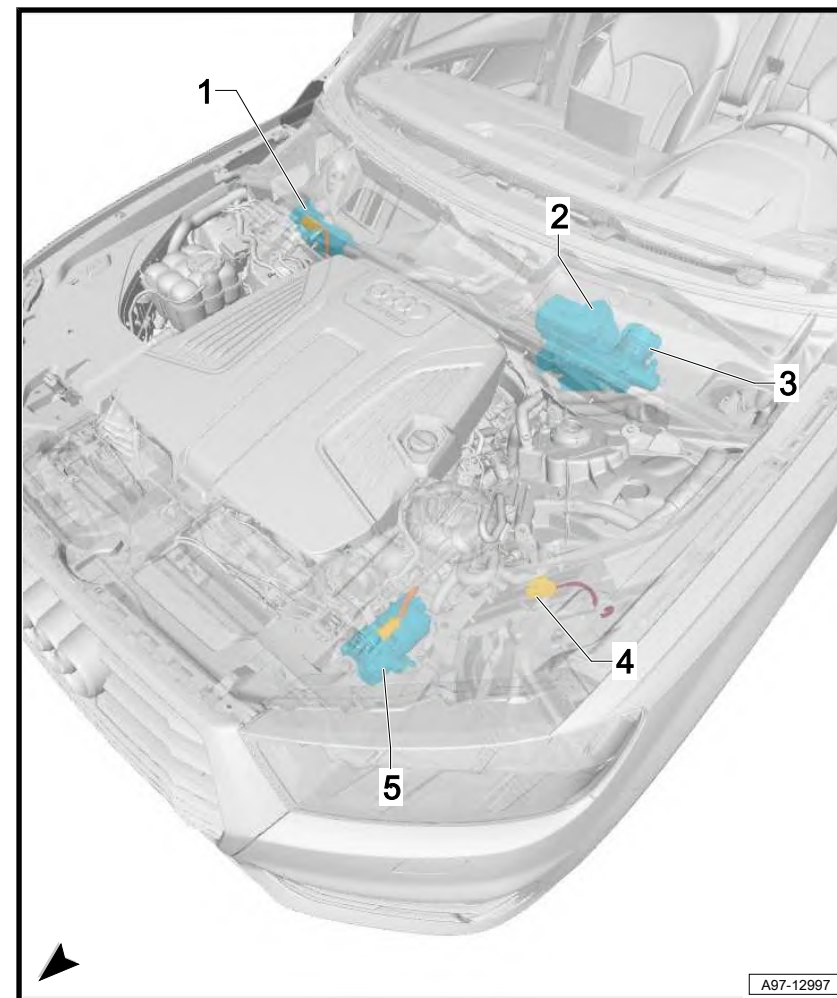
22 - ⇒ ["1.24 Left light control module J1018 / Right light control module J1023", page 51](#)

- ☐ only installed on models with Bi-Xenon

23 - ⇒ ["1.6 Transmission control module J217", page 11](#)

1.2 Additional Vehicle Front Modules, W/ High-Voltage System

- 1 - ⇒ [“1.16 High voltage heater \(PTC\) control module J848”, page 33](#)
- 2 - ⇒ [“1.26 Brake Booster NX6”, page 58](#)
- 3 - ⇒ [“1.28 Brake system pressure reservoir VX70”, page 61](#)
- 4 - ⇒ [“1.27 High voltage system maintenance connector TW”, page 59](#)
- 5 - ⇒ [“1.15 A/C compressor control module J842”, page 31](#)



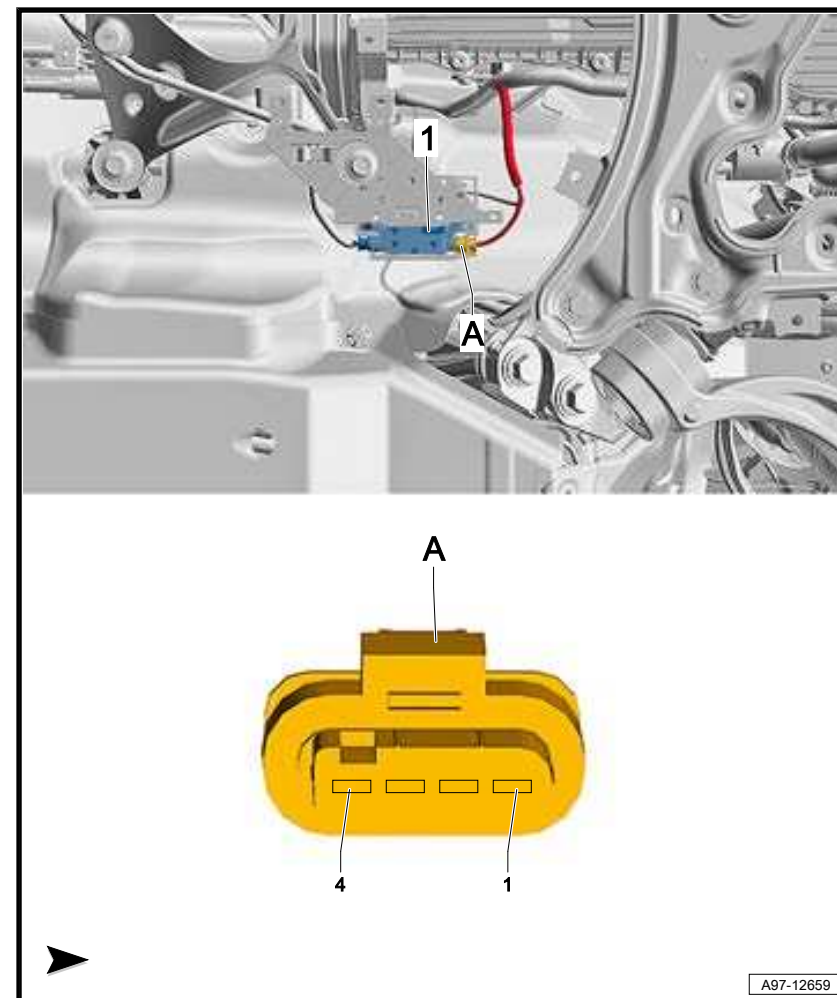
1.3 Particulate sensor G784

- ◆ ⇒ [“1.3.1 Particulate sensor G784 , location”, page 4](#)
- ◆ ⇒ [“1.3.2 Particulate sensor G784 , connector views”, page 5](#)

1.3.1 Particulate sensor -G784- , location

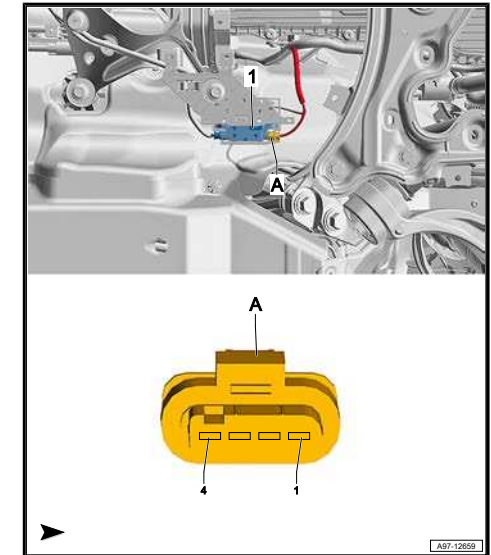
1 - Particulate sensor -G784-

A - 4-Pin Connector -T4u- , black



1.3.2 Particulate sensor -G784- , connector views

4-Pin Connector -T4u-



T4u (A)	Designation
1	Terminal 31, to 602 Ground Connection (in front left footwell)
2	CAN-Bus, vehicle electrical system control module, Low, to E154 CAN-Bus Low Connection 2 (Engine control module)
3	CAN-Bus, vehicle electrical system control module, High, to E152 CAN-Bus High Connection 2 (Engine control module)
4	Terminal 87, from B352 Positive connection 3 (2.15acres) in main wiring harness

1.4 ABS Control Module J104

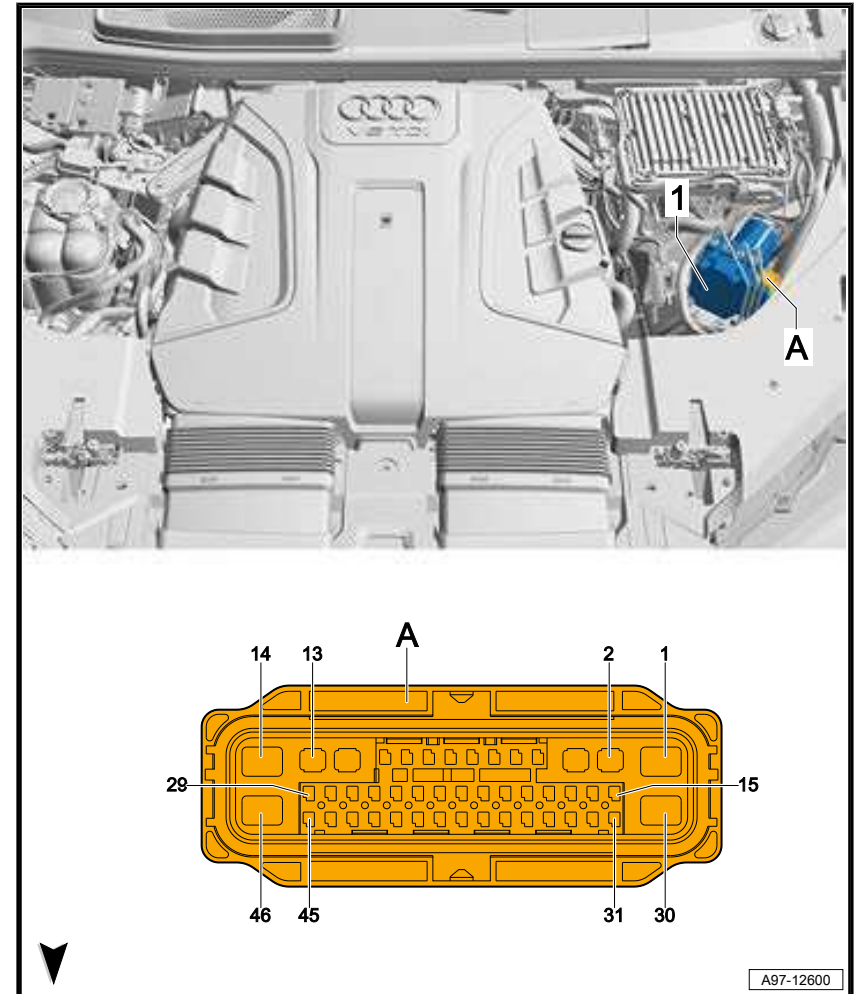
♦ ⇒ ["1.4.1 ABS Control Module J104 , location", page 5](#)

♦ ⇒ ["1.4.2 ABS Control Module J104 , connector views", page 7](#)

1.4.1 ABS Control Module -J104- , location

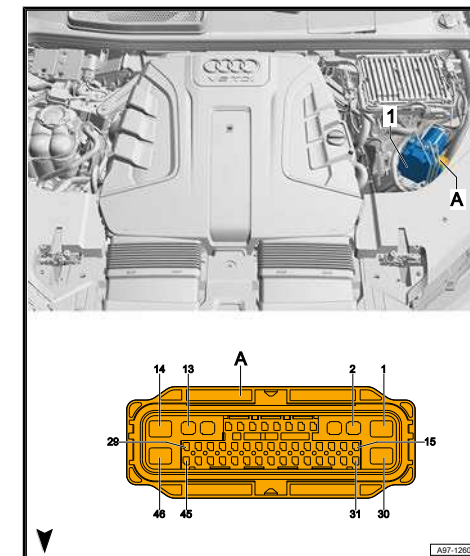
1 - ABS Control Module -J104-

A - 46-Pin Connector -T46a- , black



1.4.2 ABS Control Module -J104- , connector views

46-Pin Connector -T46a-



T46a (A)	Designation		T46a (A)	Designation
1	Terminal 30, from Fuse Panel H SH in fuse panel B SB		24	Left Front Wheel Speed Sensor G47
2	Right Parking Brake Motor V283		25	Electro-mechanical Parking Brake Indicator Lamp K213
3	Right Parking Brake Motor V283		26	Right Front Wheel Speed Sensor G45
4	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB		27	
5			28	Data-Bus Wire (FlexRay-Bus), from Engine control module J623
6			29	
7	Left Front Wheel Speed Sensor G47		30	Terminal 30, from Fuse Panel HS H in fuse panel B SB
8	Roof Rack Recognition Sensor G625		31	Electro-Mechanical Parking Brake Button E538
9			32	Electro-Mechanical Parking Brake Button E538
10			33	
11			34	
12	Left Parking Brake Motor V282		35	
13	Left Parking Brake Motor V282		36	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness
14	Terminal 31, to 671 Ground Connection 1 (on left front long member)		37	Right Rear Wheel Speed Sensor G44
15	Electro-Mechanical Parking Brake Button E538		38	
16	Electro-Mechanical Parking Brake Button E538		39	Left Rear Wheel Speed Sensor G46
17			40	Vacuum Sensor G608

T46a (A)	Designation		T46a (A)	Designation
18	Roof Rack Recognition Sensor G625		41	Vacuum Sensor G608
19			42	
20			43	
21	Right Front Wheel Speed Sensor G45		44	Data-Bus Wire (FlexRay-Bus), from Engine control module J623
22	Right Rear Wheel Speed Sensor G44		45	Vacuum Sensor G608
23	Left Rear Wheel Speed Sensor G46		46	Terminal 31, to 671 Ground Connection 1 (on left front long member)

1.5 Automatic glow time control module J179 / Glow time control module 2 J703

- ◆ ⇒ [“1.5.1 Automatic glow time control module J179 / Glow time control module 2 J703 , location”, page 8](#)
- ◆ ⇒ [“1.5.2 Automatic glow time control module J179 . connector views, 6 cyl. TDI CUEA”, page 10](#)
- ◆ ⇒ [“1.5.3 Automatic glow time control module J179 / Glow time control module 2 J703 , connector views, 8 cyl. TDI, DCDB”, page 11](#)

1.5.1 Automatic glow time control module -J179- / Glow time control module 2 -J703- , location

1 - Automatic Glow Time Control Module -J179-

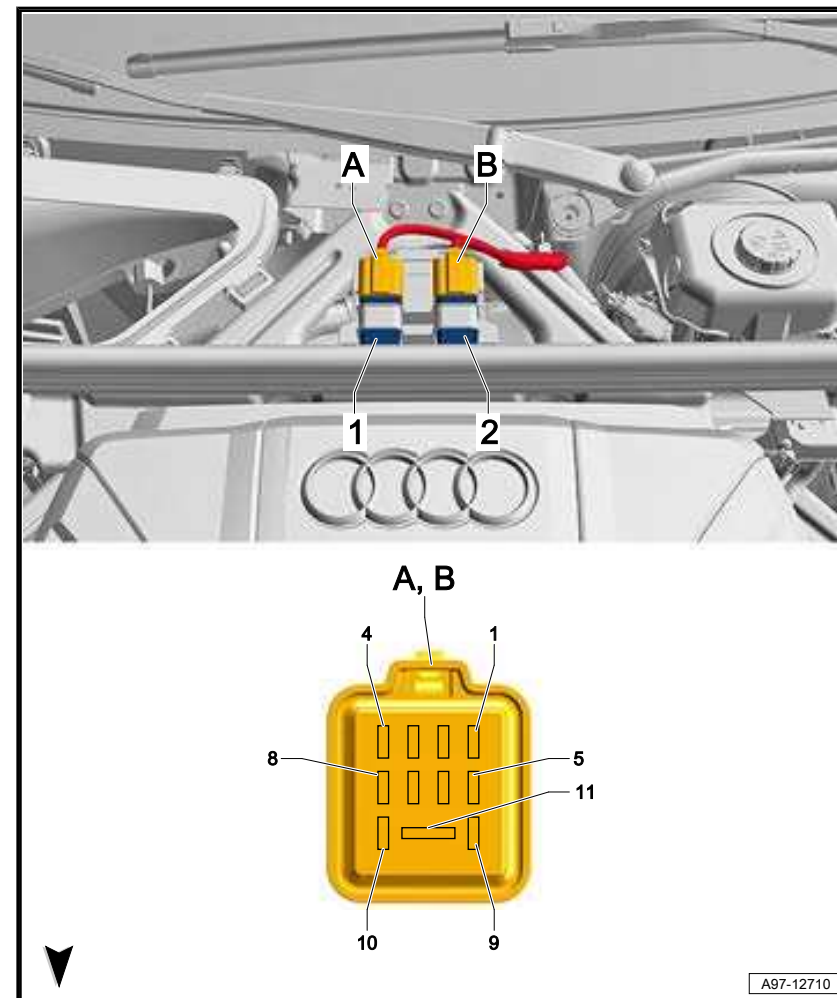
2 - Glow/Time Control Module 2 -J703-

☐ Only models with 8 cylinder diesel engine

A - 11-Pin Connector -T11a- , black

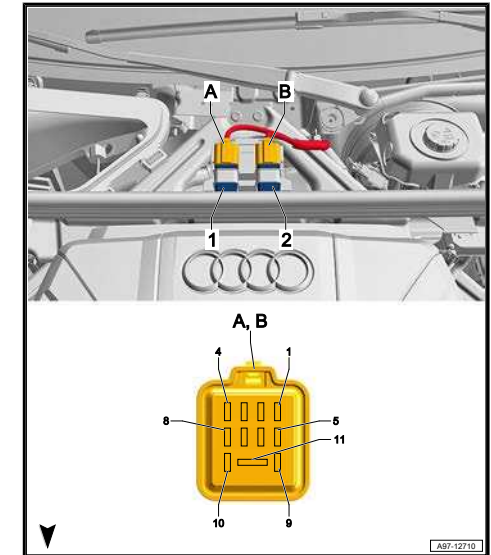
B - 11-Pin Connector -T11b- , black

☐ Only models with 8 cylinder diesel engine



1.5.2 Automatic glow time control module -J179- . connector views, 6 cyl. TDI CUEA

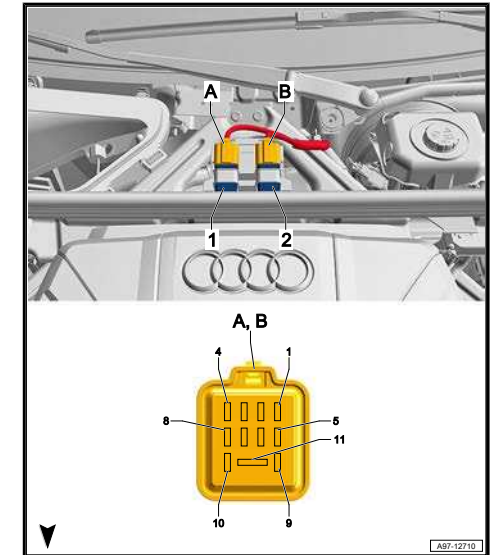
11-Pin Connector -T11a-



T11a (A)	Designation		T11a (A)	Designation
1	Glow Plug 1 Q10		7	Terminal 31, to 655 Ground connection on left headlamp
2	Glow Plug 2 Q11		8	Glow Plug 6 Q15
3	Glow Plug 3 Q12		9	
4	Glow Plug 4 Q13		10	Engine Control Module (ECM) J623
5	Glow Plug 5 Q14		11	Terminal 30 from Glow plug fuseS125 in Terminal 30 wire junction 2 TV22
6	Terminal 87, from B466 Connection 2 in main wiring harness			

1.5.3 Automatic glow time control module -J179- / Glow time control module 2 -J703- , connector views, 8 cyl. TDI, DCDB

11-Pin Connector -T11a- / 11-Pin Connector -T11b-



T11a (A)	Designation	T11b (B)	Designation
1	Glow Plug 1 Q10	1	Glow Plug 2 Q11
2	Glow Plug 4 Q13	2	Glow Plug 3 Q12
3	Glow Plug 6 Q15	3	Glow Plug 5 Q14
4	Glow Plug 7 Q16	4	Glow Plug 8 Q17
5		5	
6	Terminal 87, from B355 Positive connection 6 (2.15acres) in main wiring harness	6	Terminal 87, from B355 Positive connection 6 (2.15acres) in main wiring harness
7	Terminal 31, to 656 Ground connection on right headlamp	7	Terminal 31, to 656 Ground connection on right headlamp
8		8	
9		9	
10	Engine Control Module (ECM) J623	10	Engine Control Module (ECM) J623
11	Terminal 30 from Glow plug fuse S125 in Terminal 30 wire junction 2 TV22	11	Terminal 30 from Glow plug fuse 2 S189 in Terminal 30 wire junction 2 TV22

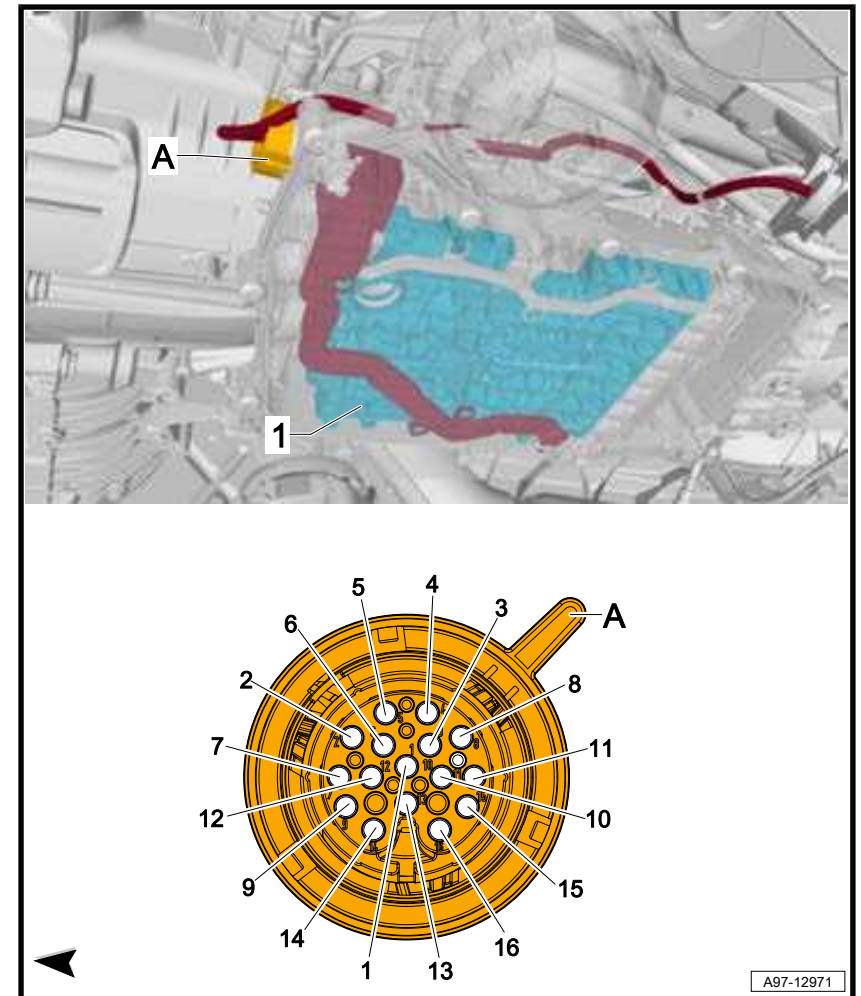
1.6 Transmission control module J217

- ◆ ⇒ [“1.6.1 Transmission control module J217 , location”, page 12](#)
- ◆ ⇒ [“1.6.2 Transmission control module J217 , connector views”, page 13](#)

1.6.1 Transmission control module -J217- , location

1 - Transmission Control Module (TCM) -J217-

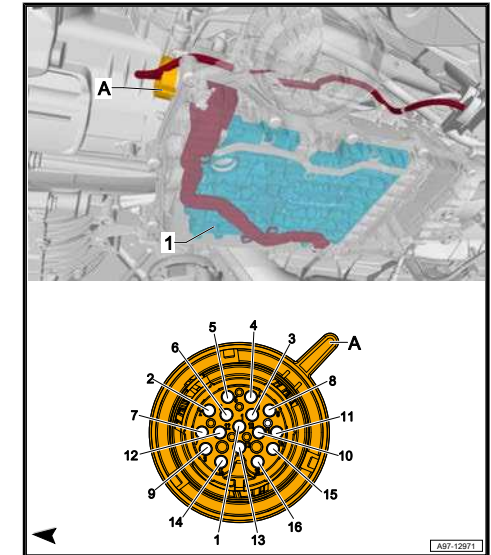
A - 16-Pin Connector -T16a- , black



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1.6.2 Transmission control module -J217- , connector views

16-Pin Connector -T16a-



T16a (A)	Designation	T16a (A)	Designation
1	Selector Lever P/N wiring, to D217 Selector lever P/N position connection (in main wiring harness)	9	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness
2		10	
3	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533	11	
4	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533	12	
5	Data-Bus Wire (FlexRay-Bus), to Power steering control module J500 ¹⁾ Brake booster NX6 ²⁾	13	Terminal 30, from Fuse Carrier 1 ST1 in fuse panel F SF
6	Data-Bus Wire (FlexRay-Bus), to Power steering control module J500 ¹⁾ Brake booster NX6 ²⁾	14	Terminal 31, to 602 Ground Connection (in front left footwell)
7		15	Transmission Oil Cooling Valve N509
8		16	

¹⁾ Models without High-Voltage System (0K0)

²⁾ Models with High-Voltage System (0K3)

1.7 Coolant fan control module J293

♦ ⇒ [“1.7.1 Coolant fan control module J293 , location”, page 14](#)

♦ ⇒ [“1.7.2 Coolant fan control module J293 , connector views”, page 15](#)

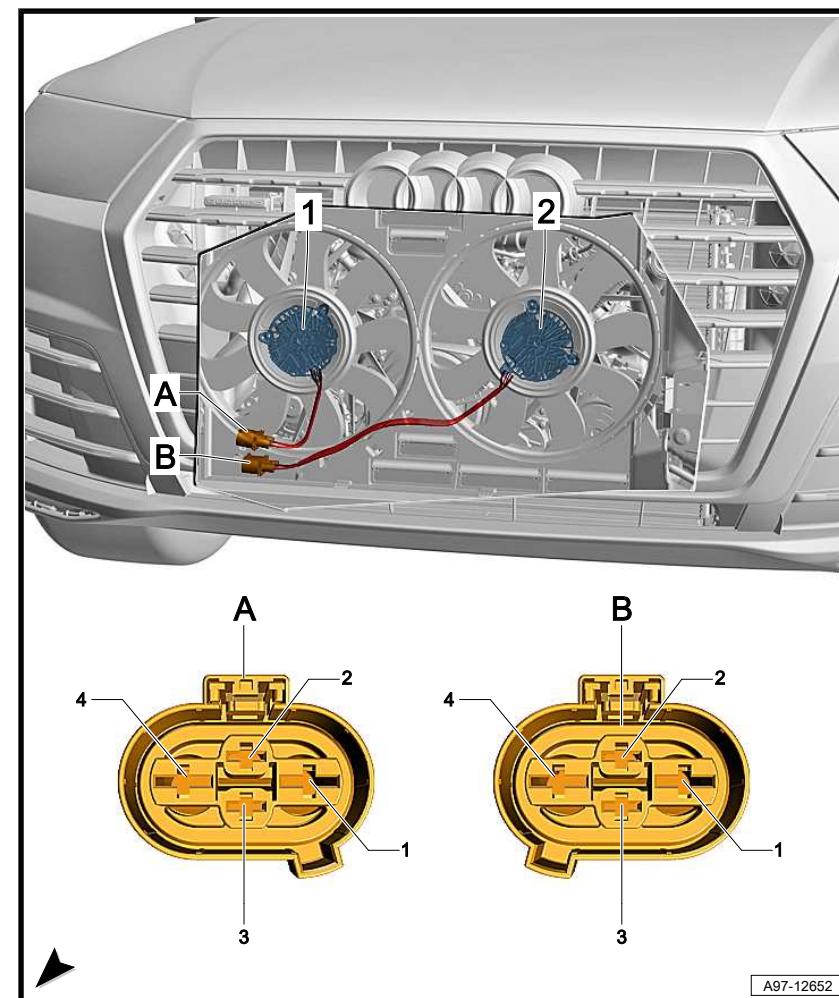
1.7.1 Coolant fan control module -J293- , location

1 - Coolant Fan Control (FC) Control Module 2 J671

2 - Coolant fan control module -J293-

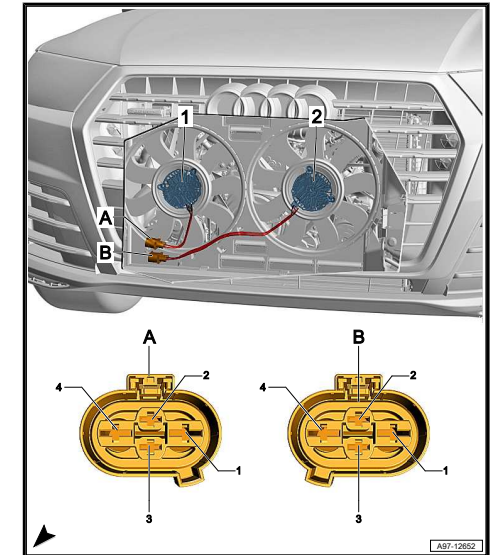
A - 4-Pin Connector -T4y- , black

B - 4-Pin Connector -T4w- , black



1.7.2 Coolant fan control module -J293- , connector views

4-Pin Connector -T4y-



T4y (A)	Designation	T4w (B)	Designation
1	Terminal 30, from Coolant fan second speed fuse 2 S104 in Terminal 30 wire junction 2 TV22	1	Terminal 30, from Coolant Fan Single Fuse S42 in Terminal 30 wire junction 2 TV22
2	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB ¹⁾ Thermal management control module J1024 ²⁾	2	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB ¹⁾ Thermal management control module J1024 ²⁾
3	Fan stage, from Engine Control Module J623 ¹⁾ Thermal management control module J1024 ²⁾	3	Fan stage, from Engine Control Module J623 ¹⁾ Thermal management control module J1024 ²⁾
4	Terminal 31, to 686 Ground Connection 2 (on right front long member)	4	Terminal 31, to 686 Ground Connection 2 (on right front long member)

¹⁾ Models without High-Voltage System (0K0)

²⁾ Models with High-Voltage System (0K3)

1.8 Coolant Fan Control (FC) Control Module 2 J671

◆ ⇒ [“1.8.1 Coolant Fan Control \(FC\) Control Module 2 J671 , location”, page 15](#)

◆ ⇒ [“1.8.2 Coolant Fan Control \(FC\) Control Module 2 J671 , connector views”, page 17](#)

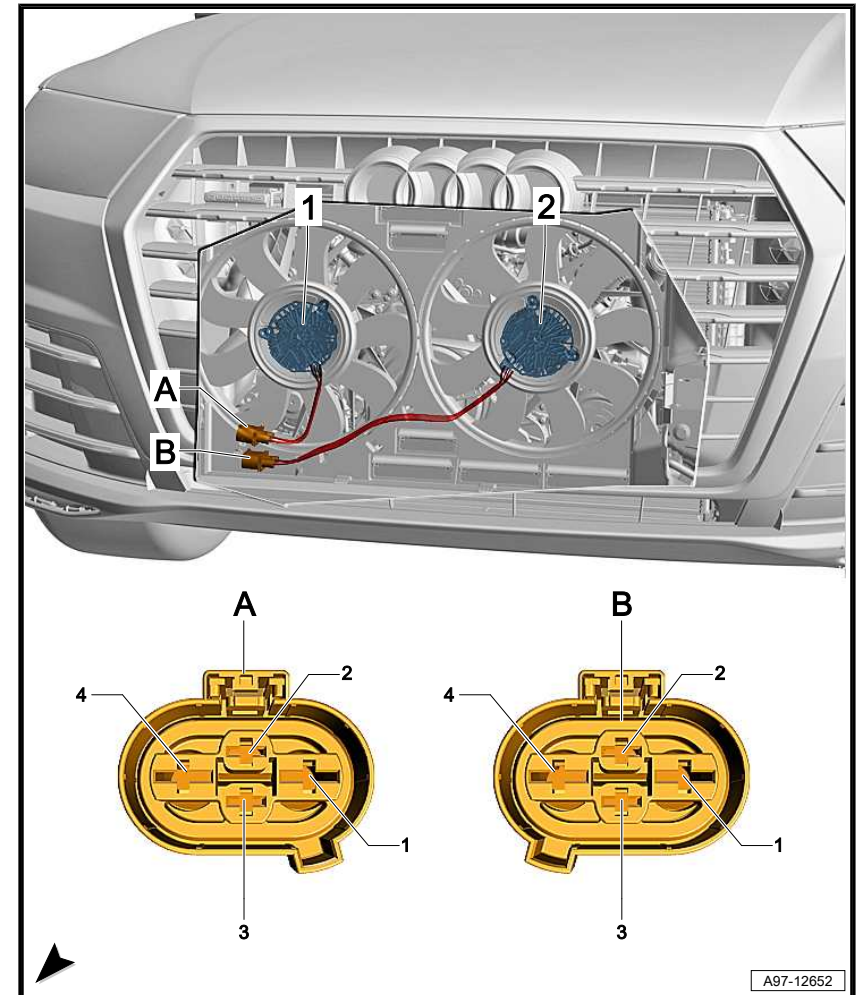
1.8.1 Coolant Fan Control (FC) Control Module 2 -J671- , location

1 - Coolant Fan Control (FC) Control Module 2 -J671-

2 - Coolant fan control module J293

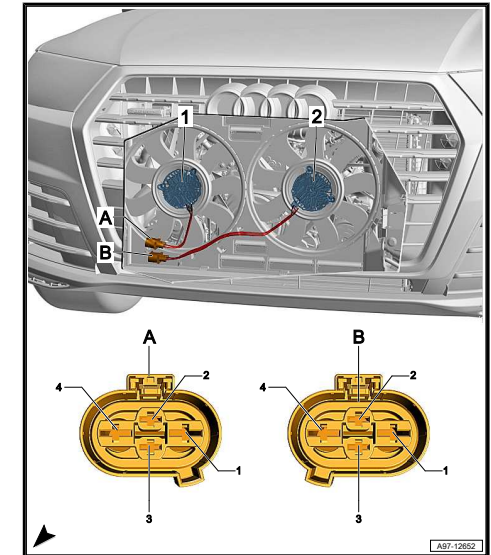
A - 4-Pin Connector -T4y- , black

B - 4-Pin Connector -T4w- , black



1.8.2 Coolant Fan Control (FC) Control Module 2 -J671- , connector views

4-Pin Connector -T4w-



T4y (A)	Designation	T4w (B)	Designation
1	Terminal 30, from Coolant fan second speed fuse 2 S104 in Terminal 30 wire junction 2 TV22	1	Terminal 30, from Coolant Fan Single Fuse S42 in Terminal 30 wire junction 2 TV22
2	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB ¹⁾ Thermal management control module J1024 ²⁾	2	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB ¹⁾ Thermal management control module J1024 ²⁾
3	Fan stage, from Engine Control Module J623 ¹⁾ Thermal management control module J1024 ²⁾	3	Fan stage, from Engine Control Module J623 ¹⁾ Thermal management control module J1024 ²⁾
4	Terminal 31, to 686 Ground Connection 2 (on right front long member)	4	Terminal 31, to 686 Ground Connection 2 (on right front long member)

¹⁾ Models without High-Voltage System (0K0)

²⁾ Models with High-Voltage System (0K3)

1.9 Auxiliary heater control module J364

◆ ⇒ ["1.9.1 Auxiliary heater control module J364 , location", page 17](#)

◆ ⇒ ["1.9.2 Auxiliary heater control module J364 , connector views", page 19](#)

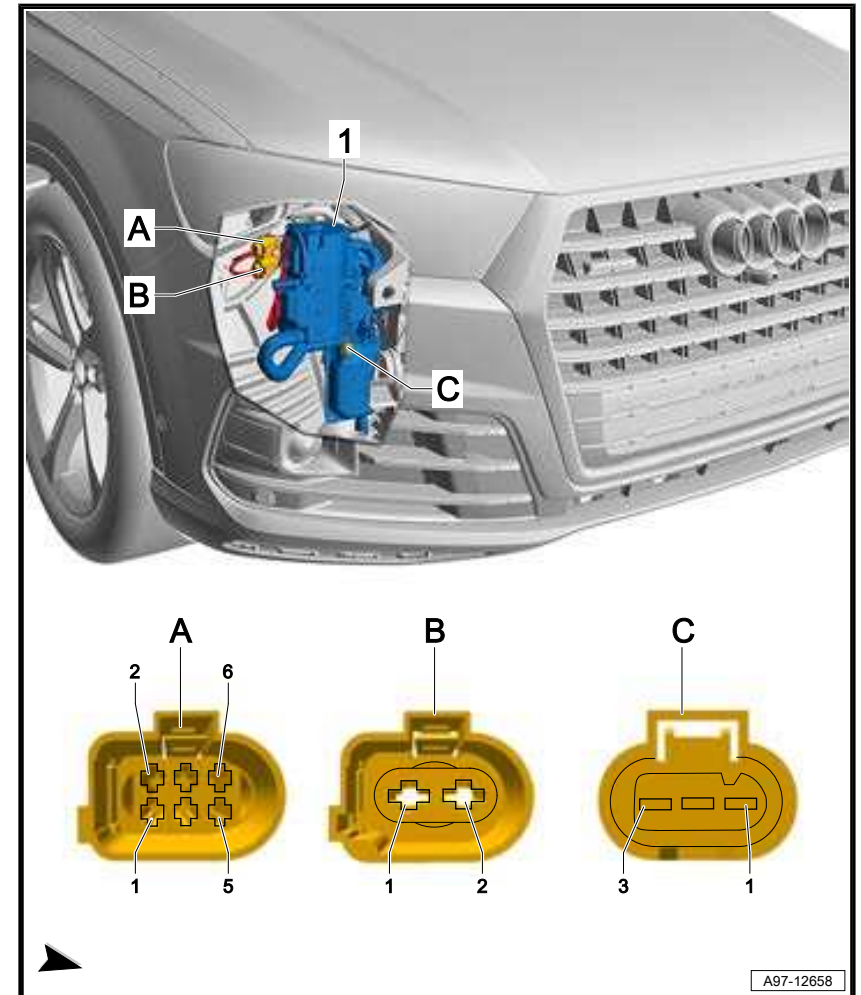
1.9.1 Auxiliary heater control module -J364- , location

1 - Auxiliary Heater Control Module -J364-

A - 6-Pin Connector -T6c- , black

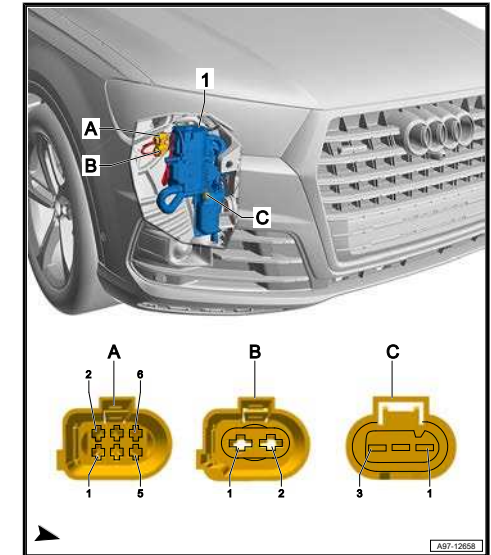
B - Double Connector -T2ag- , brown

C - 3-Pin Connector -T3ah- , black



1.9.2 Auxiliary heater control module -J364- , connector views

6-Pin Connector -T6c- / Double Connector -T2ag-



T6c (A)	Designation	T2ag (B)	Designation
1	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)	1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB
2	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)	2	Terminal 31, to 656 Ground connection on right headlamp
3	Engine Coolant (EC) Switch-Off Valve (heater) N279		
4	Metering Pump V54		
5	Terminal 31, to 656 Ground connection on right headlamp		
6	Auxiliary Heater RF Receiver R64		

1.10 Wiper Motor Control Module J400

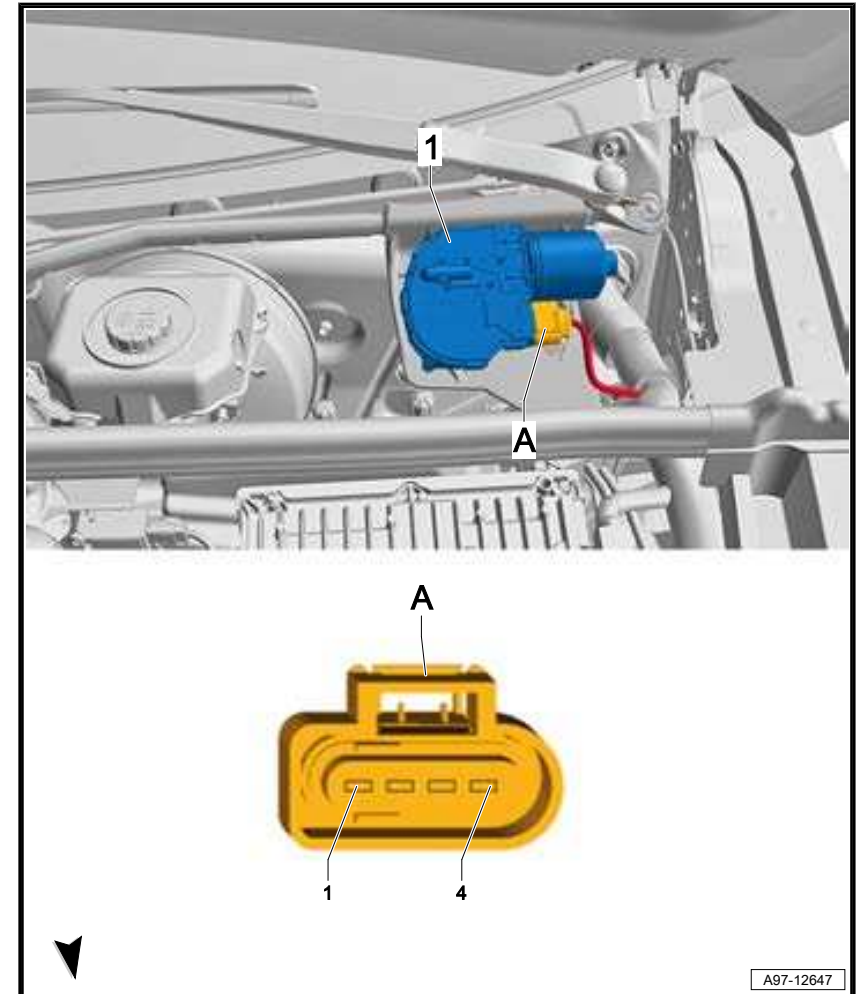
◆ ⇒ ["1.10.1 Wiper Motor Control Module J400 , location", page 19](#)

◆ ⇒ ["1.10.2 Wiper Motor Control Module J400 , connector views", page 21](#)

1.10.1 Wiper Motor Control Module -J400- , location

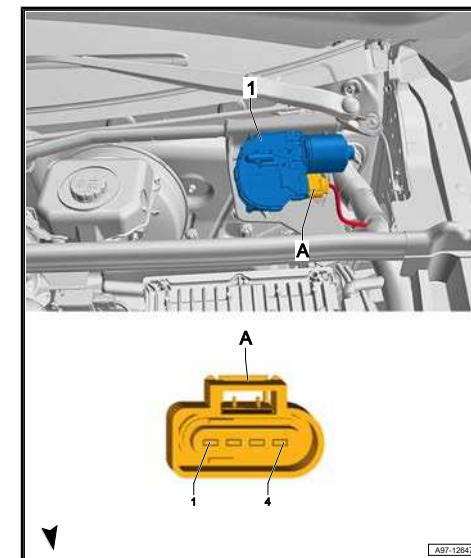
1 - Wiper Motor Control Module -J400-

A - 4-Pin Connector -T4fr- , black



1.10.2 Wiper Motor Control Module -J400- , connector views

4-Pin Connector -T4fr-



T4fr (A)	Designation
1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB
2	Terminal 31, to 655 Ground connection on left headlamp
3	
4	LIN-Bus, from Vehicle Electrical System Control Module J519

1.11 Distance regulation control module J428

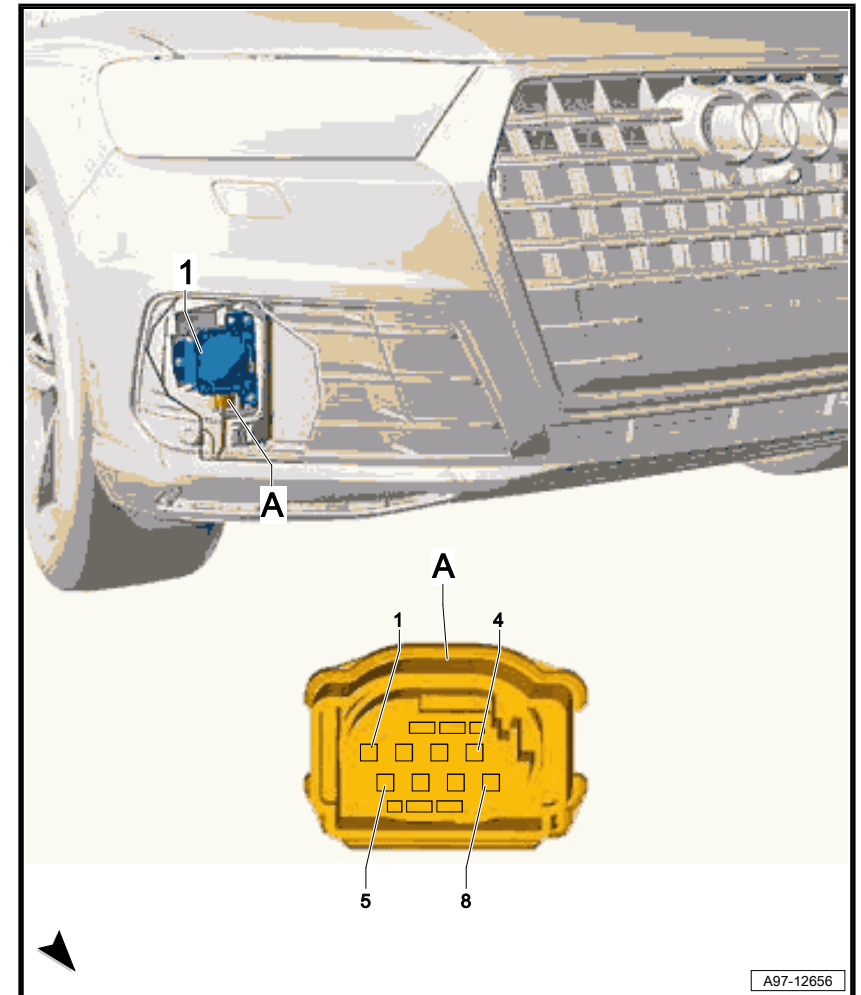
♦ ⇒ ["1.11.1 Distance regulation control module J428 , location", page 21](#)

♦ ⇒ ["1.11.2 Distance regulation control module J428 , connector views", page 23](#)

1.11.1 Distance regulation control module -J428- , location

1 - Distance Regulation Control Module -J428-

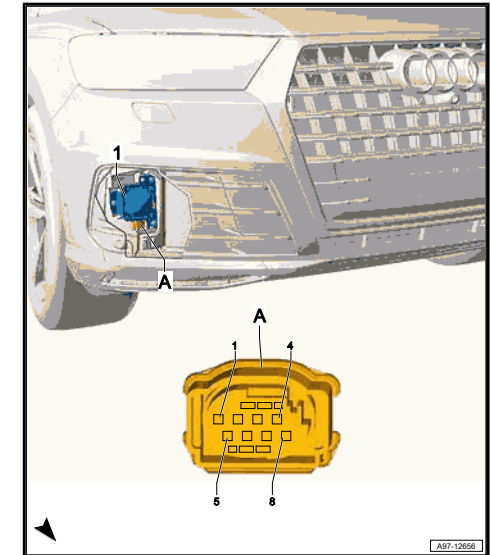
A - 8-Pin Connector -T8e- , black



A97-12656

1.11.2 Distance regulation control module -J428- , connector views

8-Pin Connector -T8e-



T8e (A)	Designation		T8e (A)	Designation
1	Terminal 31, to 655 Ground connection on left headlamp		5	Data-Bus Wire (FlexRay-Bus), from Distance Regulation Control Module 2 J850
2			6	Data-Bus Wire (FlexRay-Bus), from Distance Regulation Control Module 2 J850
3			7	
4			8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB

1.12 Power Steering Control Module J500

- ◆ ⇒ [“1.12.1 Power Steering Control Module J500 , location”, page 23](#)
- ◆ ⇒ [“1.12.2 Power Steering Control Module J500 , connector views”, page 25](#)

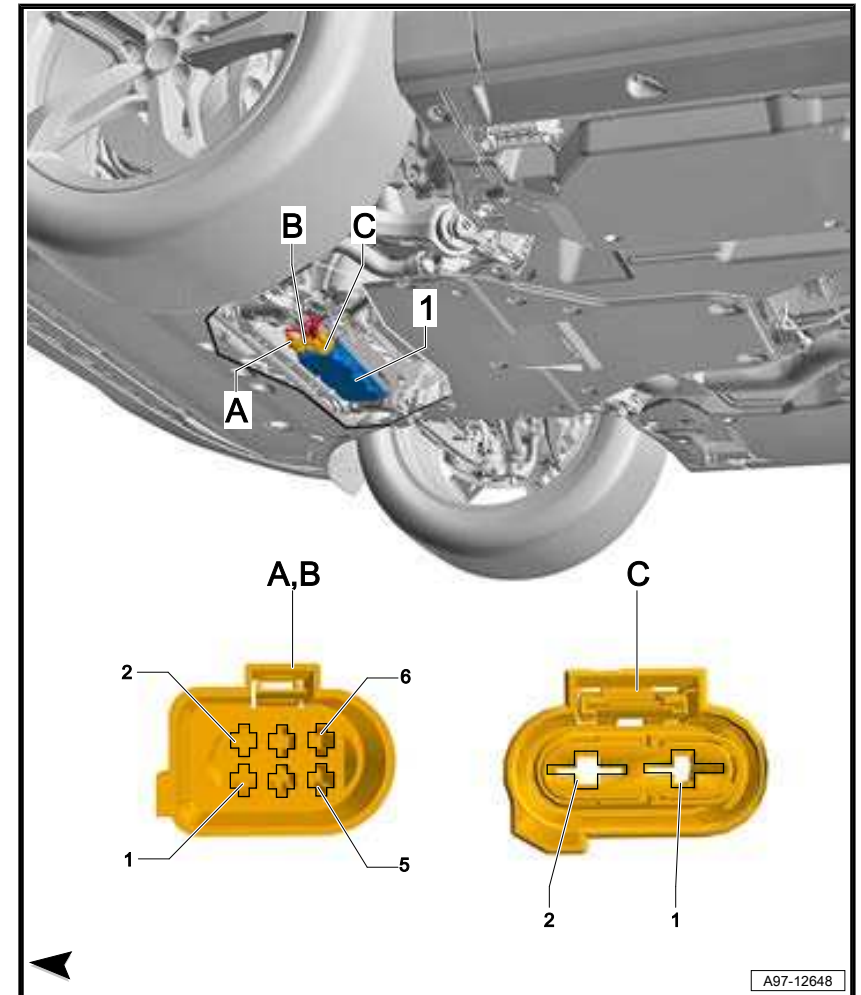
1.12.1 Power Steering Control Module -J500- , location

1 - Power Steering Control Module -J500-

A - 6-Pin Connector -T6ab-

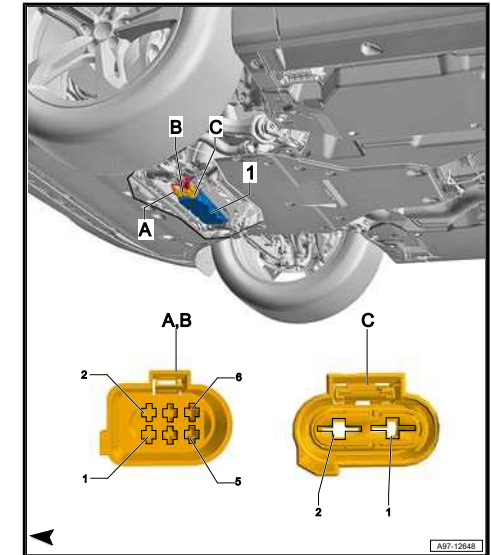
B - 6-Pin Connector -T6aa- , brown

C - Double Connector -T2em- , black



1.12.2 Power Steering Control Module -J500- , connector views

6-Pin Connector -T6aa- / Double Connector -T2em-



T6aa (B)	Designation	T2em (C)	Designation
1		1	Terminal 30, from safety fuse 1 S131 in main fuse panel on battery ¹⁾ Fuse 3 - terminal 30 S206 in Terminal 30 wire junction 3 TV28 ²⁾
2	Terminal 15, from B281 harness  Positive connection 5 (15a) in main wiring	2	Terminal 31, to 745 Ground Connection 3 (on right front long member)
3	Data-Bus Wire (FlexRay-Bus), from Transmission control module J217 ¹⁾ Brake booster NX6 ²⁾		
4			
5	Data-Bus Wire (FlexRay-Bus), from Transmission control module J217 ¹⁾ Brake booster NX6 ²⁾		
6			

¹⁾ Models without High-Voltage System (0K0)

²⁾ Models with High-Voltage System (0K3)

1.13 NOx sensor control module J583

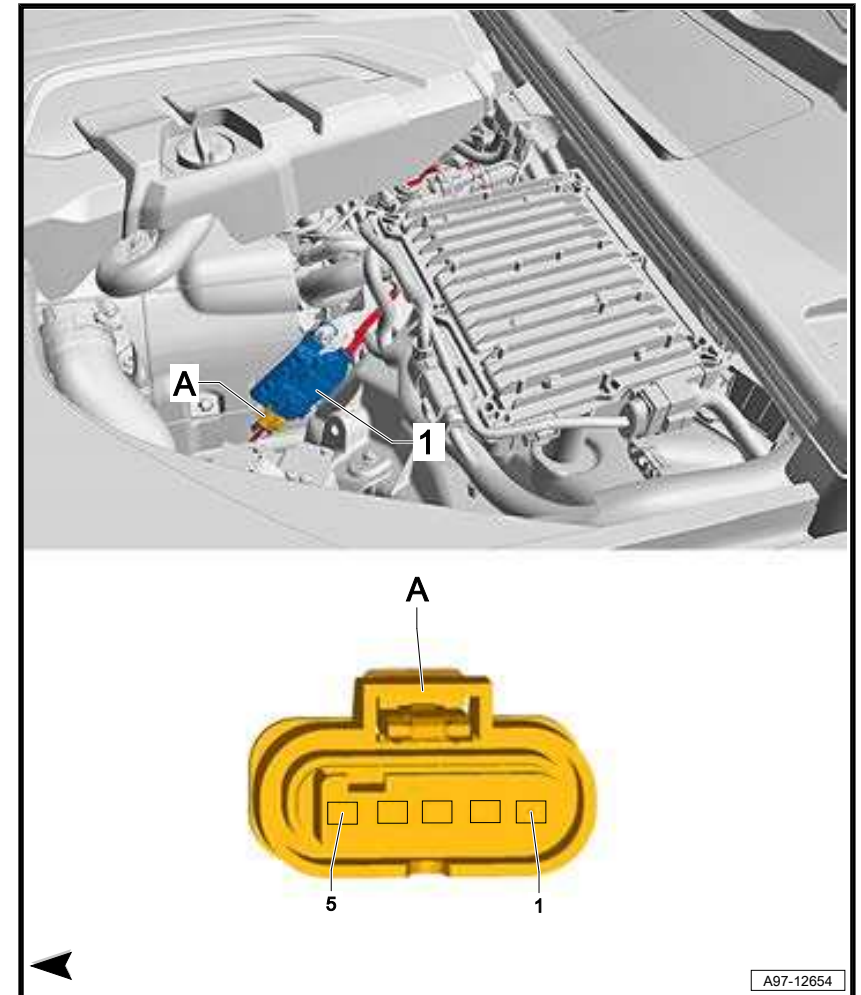
◆ ⇒ ["1.13.1 NOx sensor control module J583 , location, W/O High-Voltage System \(0K0\)", page 26](#)

- ◆ ⇒ [“1.13.2 NOx sensor control module J583 , connector views, W/O High-Voltage System \(0K0\)”, page 27](#)
- ◆ ⇒ [“1.13.3 NOx sensor control module J583 , location, W/ High-Voltage System \(0K3\)”, page 27](#)
- ◆ ⇒ [“1.13.4 NOx sensor control module J583 , connector views, W/ High-Voltage System \(0K3\)”, page 29](#)

1.13.1 NOx sensor control module -J583- , location, W/O High-Voltage System (0K0)

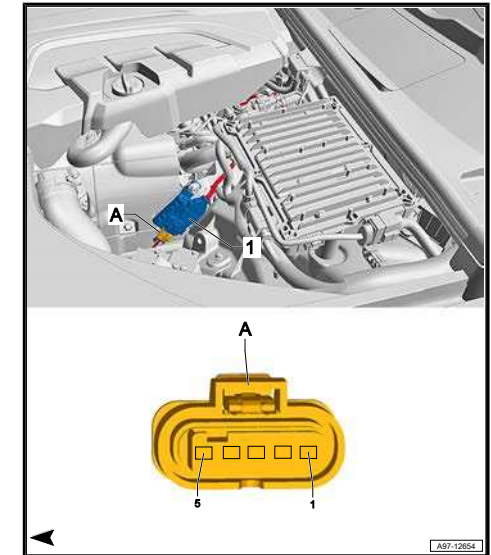
1 - NOx sensor control module -J583-

A - 5-Pin Connector -T5r- , black



1.13.2 NOx sensor control module -J583- , connector views, W/O High-Voltage System (0K0)

5-Pin Connector -T5r-



T5r (A)	Designation
1	Terminal 87, from B352 Positive connection 3 (2.15acres) in main wiring harness
2	Terminal 31, to 688 Ground Connection 2 (on Center Tunnel) ¹⁾ /655 Ground connection (on left headlamp) ²⁾
3	CAN-Bus, vehicle electrical system control module, Low, to E153 CAN-Bus Low Connection 1 (Engine control module)
4	CAN-Bus, vehicle electrical system control module, High, to E151 CAN-Bus High Connection 1 (Engine control module)
5	

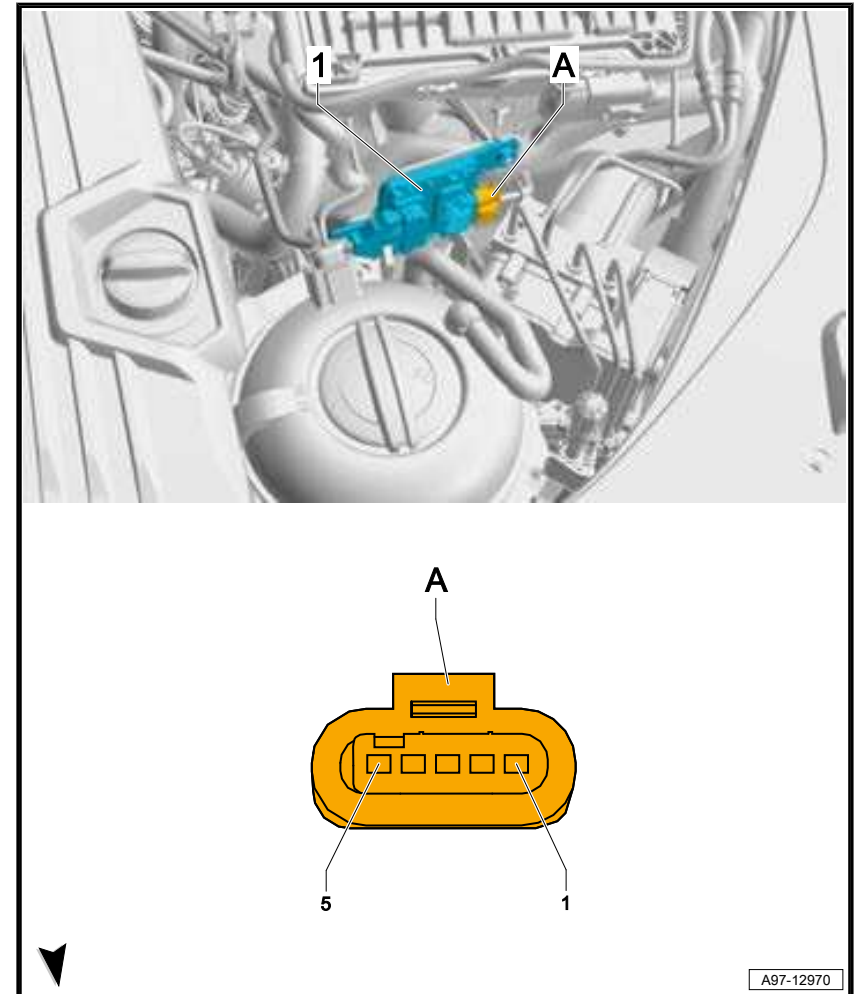
¹⁾ Only models with 6 cylinder diesel engine

²⁾ Only models with 8 cylinder diesel engine

1.13.3 NOx sensor control module -J583- , location, W/ High-Voltage System (0K3)

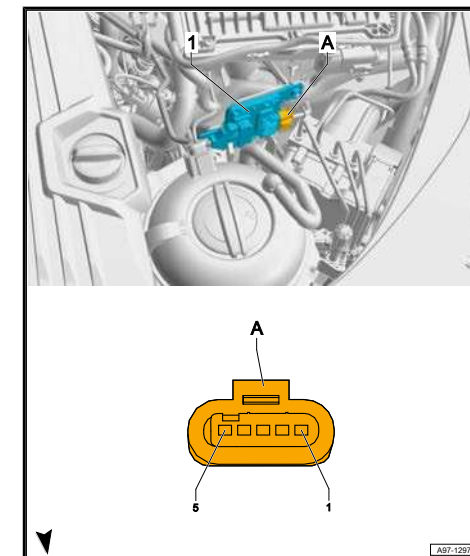
1 - NOx sensor control module -J583-

A - 5-Pin Connector -T5r- , black



1.13.4 NOx sensor control module -J583- , connector views, W/ High-Voltage System (0K3)

5-Pin Connector -T5r-



T5r (A)	Designation
1	Terminal 87, from B352 Positive connection 3 (2.15acres) in main wiring harness
2	Terminal 31, to 688 Ground Connection 2 (on Center Tunnel)
3	CAN-Bus, vehicle electrical system control module, Low, to E153 CAN-Bus Low Connection 1 (Engine control module)
4	CAN-Bus, vehicle electrical system control module, High, to E151 CAN-Bus High Connection 1 (Engine control module)
5	

1.14 Engine Control Module (ECM) J623

◆ ⇒ [“1.14.1 Engine Control Module \(ECM\) J623 , location, 196-pin”, page 29](#)

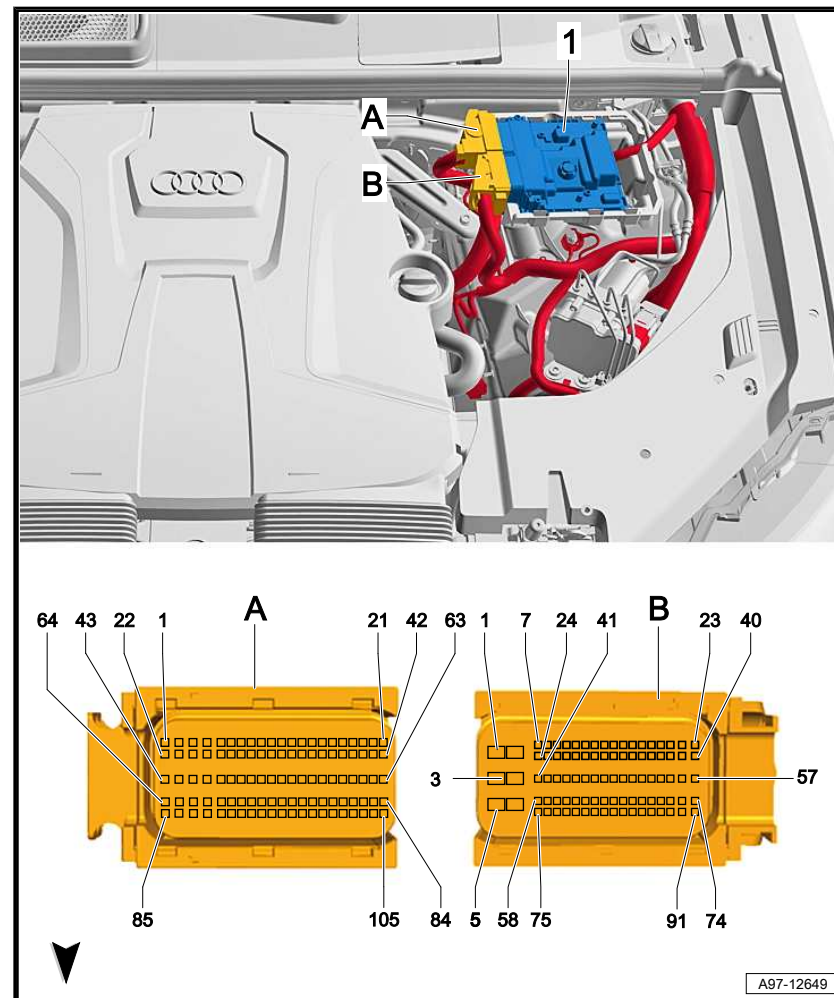
◆ ⇒ [“1.14.2 Engine Control Module \(ECM\) J623 , location, 315-pin”, page 31](#)

1.14.1 Engine Control Module (ECM) -J623- , location, 196-pin

1 - Engine Control Module (ECM) -J623-

A - 105-Pin Connector -T105- , black

B - 91-Pin Connector -T91- , black



1.14.2 Engine Control Module (ECM) -J623-, location, 315-pin

1 - Engine Control Module (ECM) -J623-

A - 56-Pin Connector -T56d-, black

□ Contact carrier colour: purple

B - 56-Pin Connector -T56c-, black

□ Contact carrier colour: blue

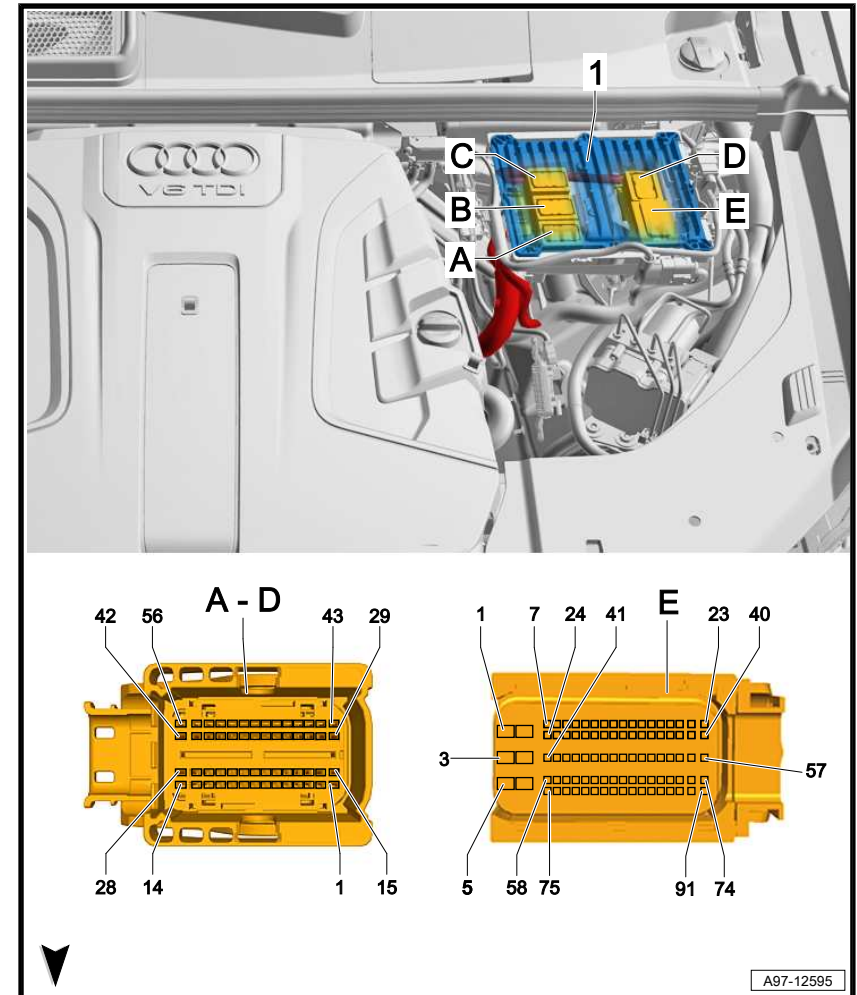
C - 56-Pin Connector -T56b-, black

□ Contact carrier colour: white

D - 56-Pin Connector -T56a-, black

□ Contact carrier colour: black

E - 91-Pin Connector -T91-, black



1.15 A/C compressor control module J842

◆ ⇒ ["1.15.1 A/C compressor control module J842 , location", page 32](#)

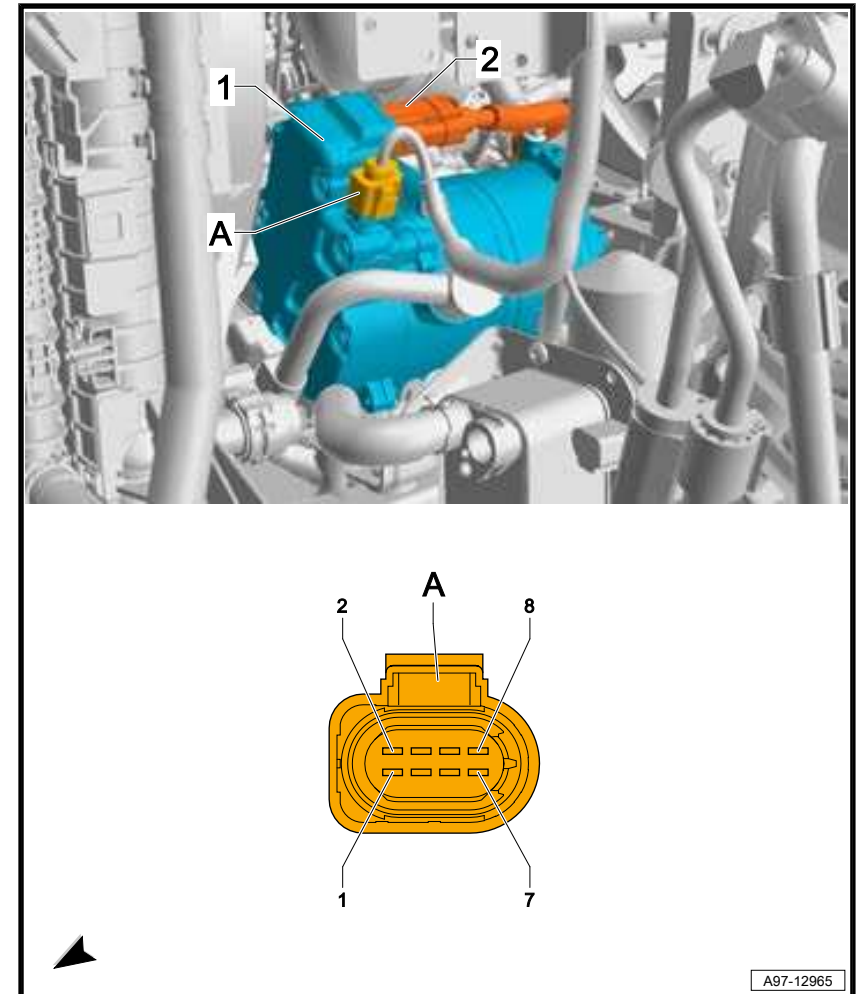
◆ ⇒ ["1.15.2 A/C compressor control module J842 , connector views", page 33](#)

1.15.1 A/C compressor control module -J842- , location

1 - A/C Compressor Control Module -J842-

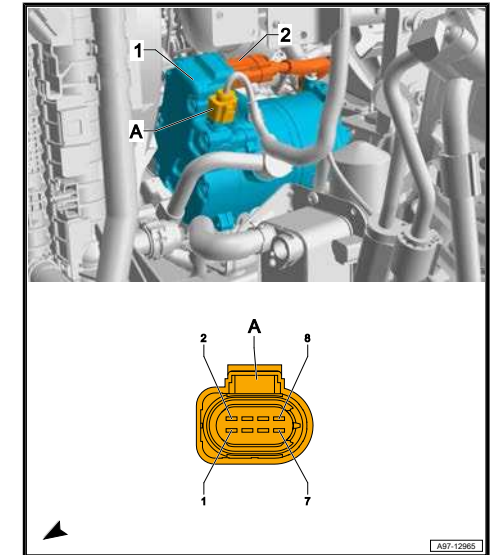
2 - Electrical A/C Compressor High Voltage Cable -P3-

A - 8-Pin Connector -T8an- , black



1.15.2 A/C compressor control module -J842- , connector views

8-Pin Connector -T8an-



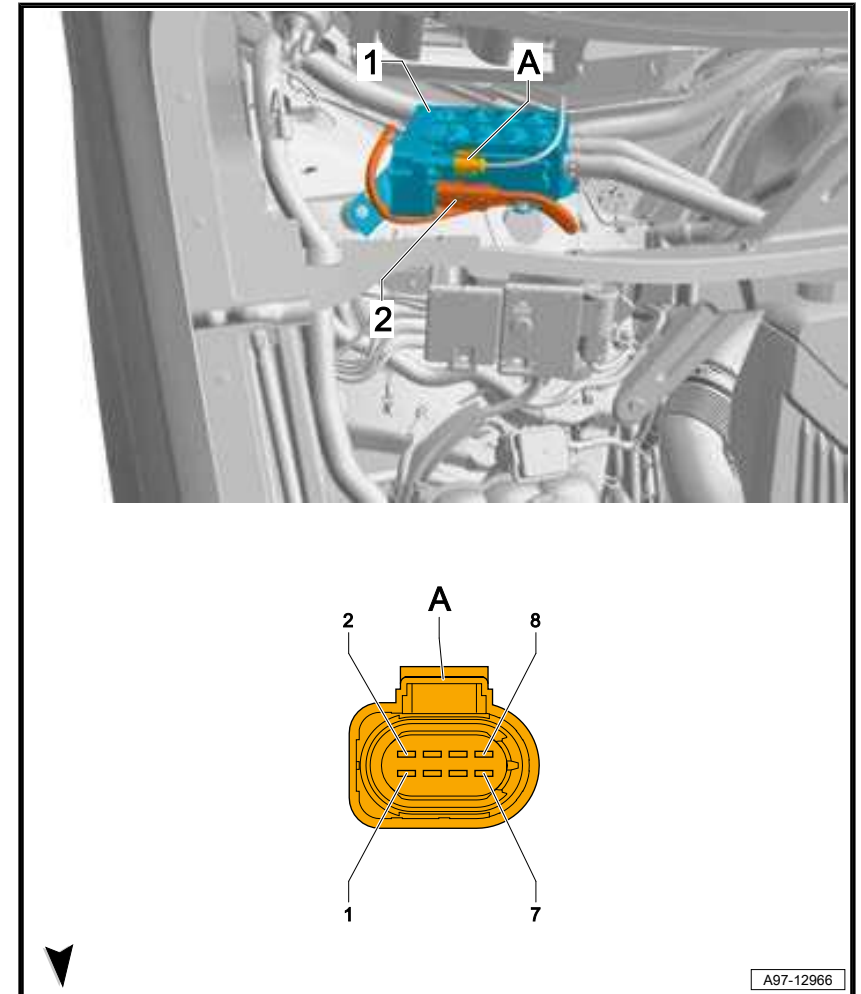
T8an (A)	Designation		T8an (A)	Designation
1			5	Terminal 31, to 655 Ground connection on left headlamp
2	LIN-Bus, to B608 Connection 4 (in passenger compartment wiring harness)		6	
3	High Voltage System Maintenance Connector TW (pilot line)		7	
4	High voltage heater (PTC) control module J848 (pilot line)		8	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF

1.16 High voltage heater (PTC) control module J848

- ◆ ⇒ [“1.16.1 High voltage heater \(PTC\) control module J848 , location”, page 33](#)
- ◆ ⇒ [“1.16.2 High voltage heater \(PTC\) control module J848 , connector views”, page 35](#)

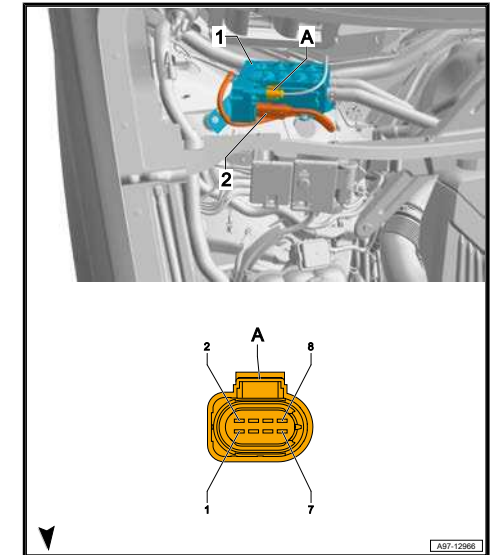
1.16.1 High voltage heater (PTC) control module -J848- , location

- 1 - High voltage heater (PTC) control module -J848-
- 2 - High voltage heating high voltage cable (PTC) -P11-
- A - 8-Pin Connector -T8ao- , black



1.16.2 High voltage heater (PTC) control module -J848- , connector views

8-Pin Connector -T8ao-



T8ao (A)	Designation		T8ao (A)	Designation
1	Terminal 30, from Fuse Carrier 1 ST1 in fuse panel F SF		5	Hybrid Battery Unit AX1 (pilot line)
2	Terminal 31, to 656 Ground connection on right headlamp		6	
3			7	A/C Compressor Control Module J842 (pilot line)
4	LIN-Bus, to B842 LIN-Bus Connection 8 (in main wiring harness)		8	

1.17 Distance regulation control module 2 J850

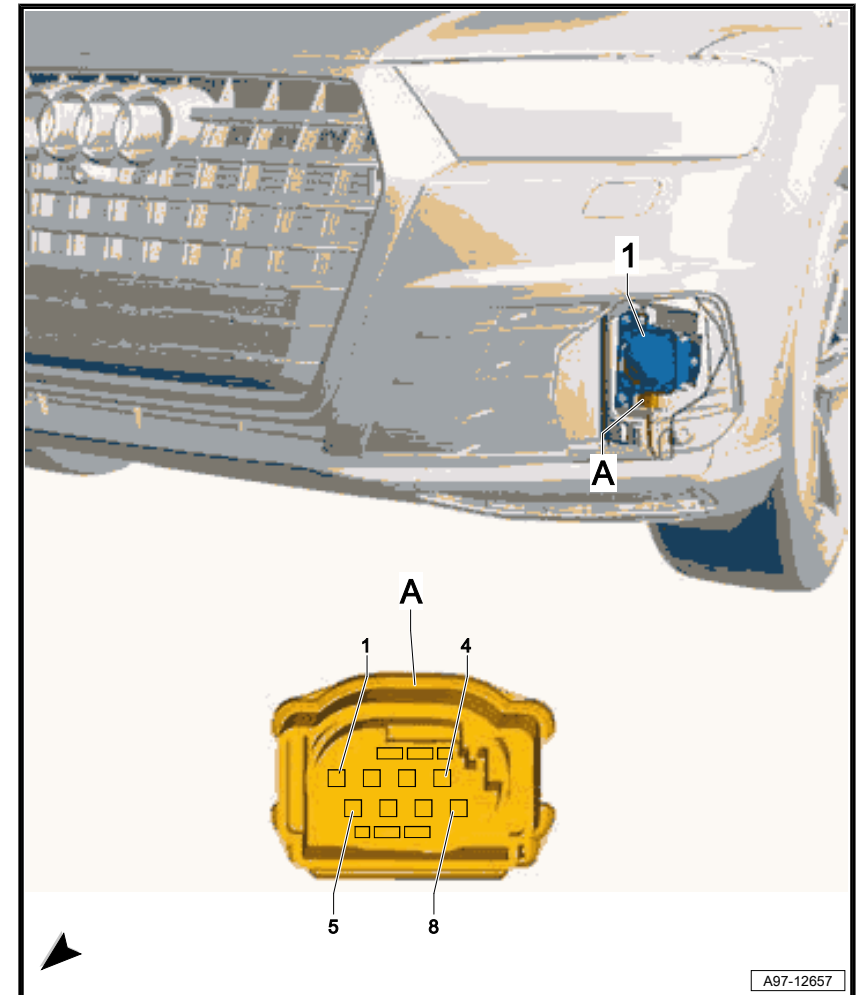
♦ ⇒ ["1.17.1 Distance regulation control module 2 J850 , location", page 35](#)

♦ ⇒ ["1.17.2 Distance regulation control module 2 J850 , connector views", page 37](#)

1.17.1 Distance regulation control module 2 -J850- , location

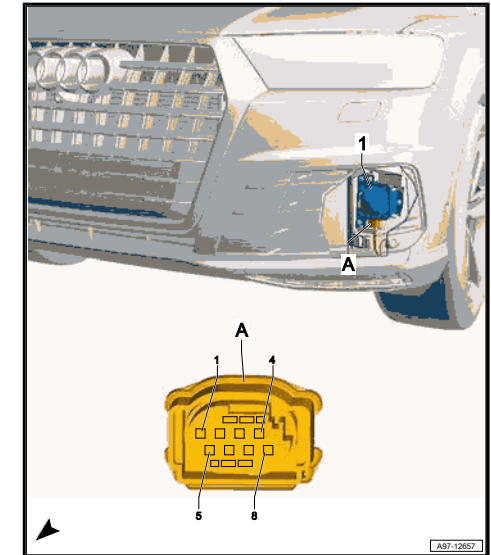
1 - Distance Regulation Control Module 2 -J850-

A - 8-Pin Connector -T8d- , black



1.17.2 Distance regulation control module 2 -J850- , connector views

8-Pin Connector -T8d-



T8d (A)	Designation	T8d (A)	Designation
1	Terminal 31, to 655 Ground connection on left headlamp	5	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533
2	Data-Bus Wire (FlexRay-Bus), to Distance Regulation Control Module J428	6	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533
3	Data-Bus Wire (FlexRay-Bus), to Distance Regulation Control Module J428	7	
4		8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB

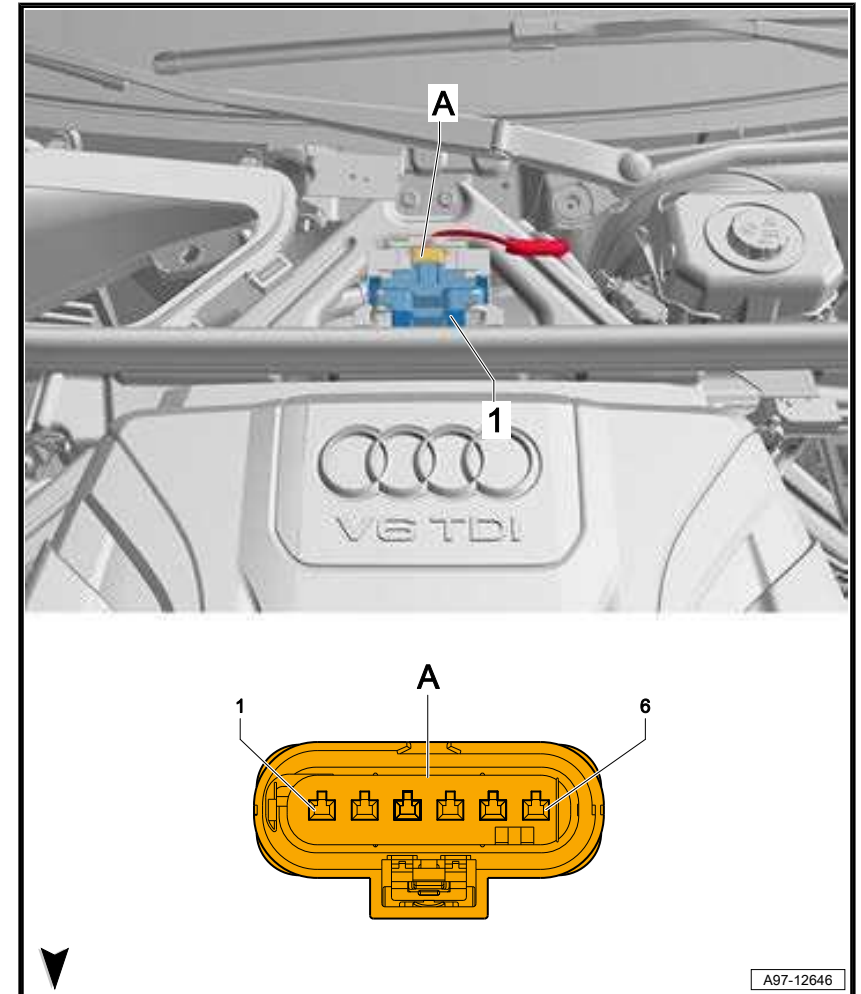
1.18 Structure-Borne Sound Control Module J869

- ◆ ⇒ ["1.18.1 Structure-Borne Sound Control Module J869 , location", page 37](#)
- ◆ ⇒ ["1.18.2 Structure-Borne Sound Control Module J869 , connector views", page 39](#)

1.18.1 Structure-Borne Sound Control Module -J869- , location

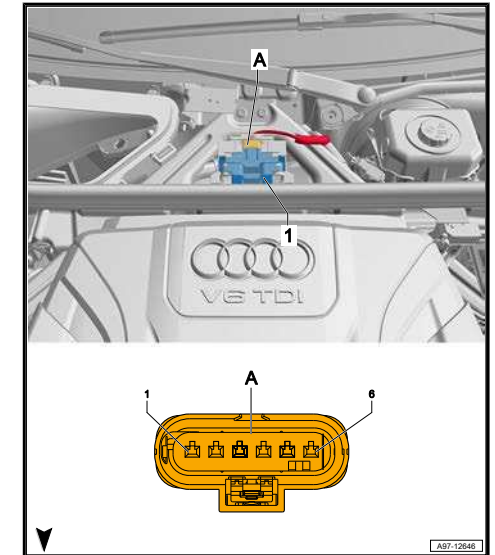
1 - Structure-Borne Sound Control Module -J869-

A - 6-Pin Connector -T6z- , black



1.18.2 Structure-Borne Sound Control Module -J869- , connector views

6-Pin Connector -T6z-



T6z (A)	Designation
1	Structure-Borne Sound Actuator R214
2	Structure-Borne Sound Actuator R214
3	Terminal 15, from B283 Positive connection 7 (15a) in main wiring harness
4	Terminal 31, to 656 Ground connection on right headlamp
5	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)
6	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)

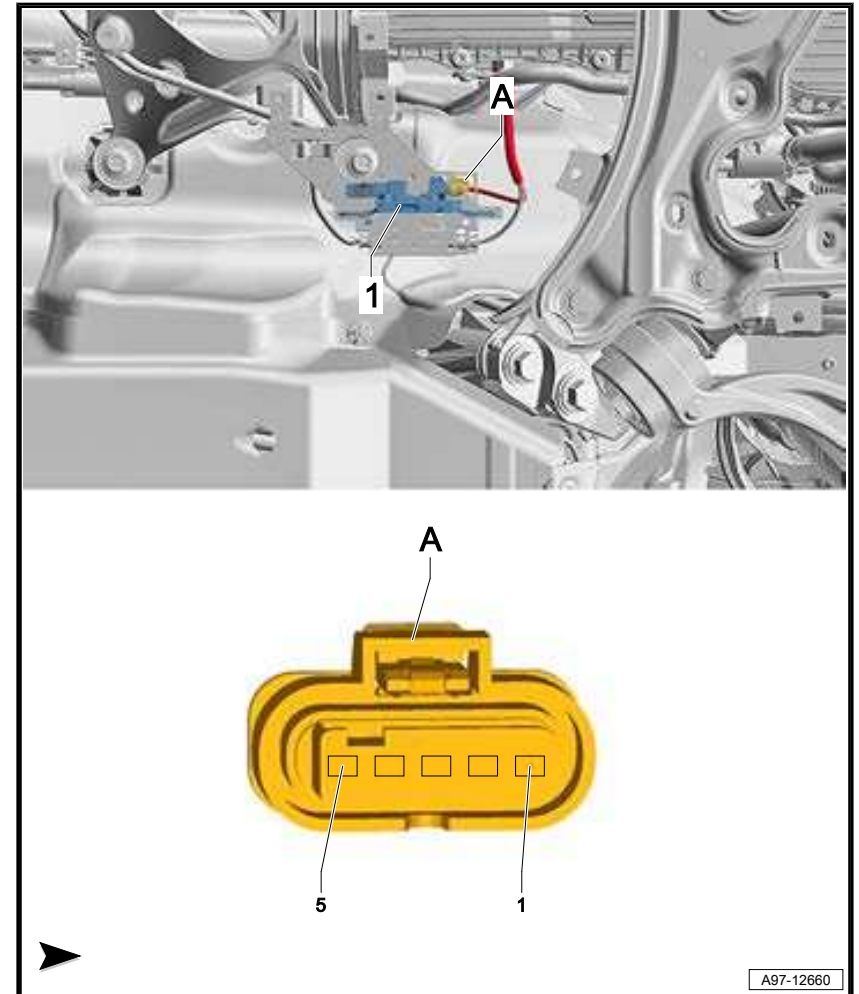
1.19 NOX Sensor Control Module 2 J881

- ◆ ⇒ ["1.19.1 NOX Sensor Control Module 2 J881 , location", page 39](#)
- ◆ ⇒ ["1.19.2 NOX Sensor Control Module 2 J881 , connector views", page 41](#)

1.19.1 NOX Sensor Control Module 2 -J881- , location

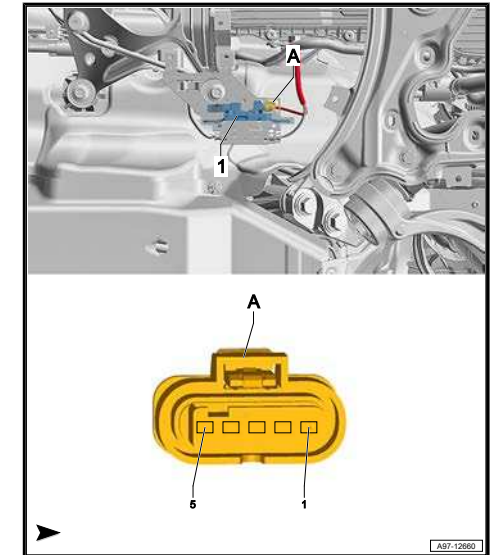
1 - NOX Sensor 2 Control Module -J881-

A - 5-Pin Connector -T5s- , black



1.19.2 NOX Sensor Control Module 2 -J881- , connector views

5-Pin Connector -T5s-



T5s (A)	Designation
1	Terminal 87, from B352 Positive connection 3 (2.15acres) in main wiring harness
2	Terminal 31, to 79 Ground connection on left B-pillar
3	CAN-Bus, vehicle electrical system control module, Low, to E154 CAN-Bus Low Connection 2 (Engine control module)
4	CAN-Bus, vehicle electrical system control module, High, to E152 CAN-Bus High Connection 2 (Engine control module)
5	Terminal 31, to 79 Ground connection on left B-pillar

1.20 Sway stabilization control module J924

- ◆ ⇒ [“1.20.1 Sway stabilization control module J924 , location”, page 41](#)
- ◆ ⇒ [“1.20.2 Sway stabilization control module J924 , connector views, T6bt, T6by”, page 43](#)
- ◆ ⇒ [“1.20.3 Sway stabilization control module J924 , connector views, T4hw”, page 44](#)

1.20.1 Sway stabilization control module -J924- , location

1 - Sway stabilization control module -J924-

A - Terminal 40

- ☐ Models with electric compressor (0K4): from Fuse 2 on terminal 40 wire junction S367 in Terminal 40 wire junction TV66
- ☐ Models without electric compressor (0K0): from Fuse 3 on terminal 40 wire junction 2 S370 in Terminal 40 wire junction 2 TV67

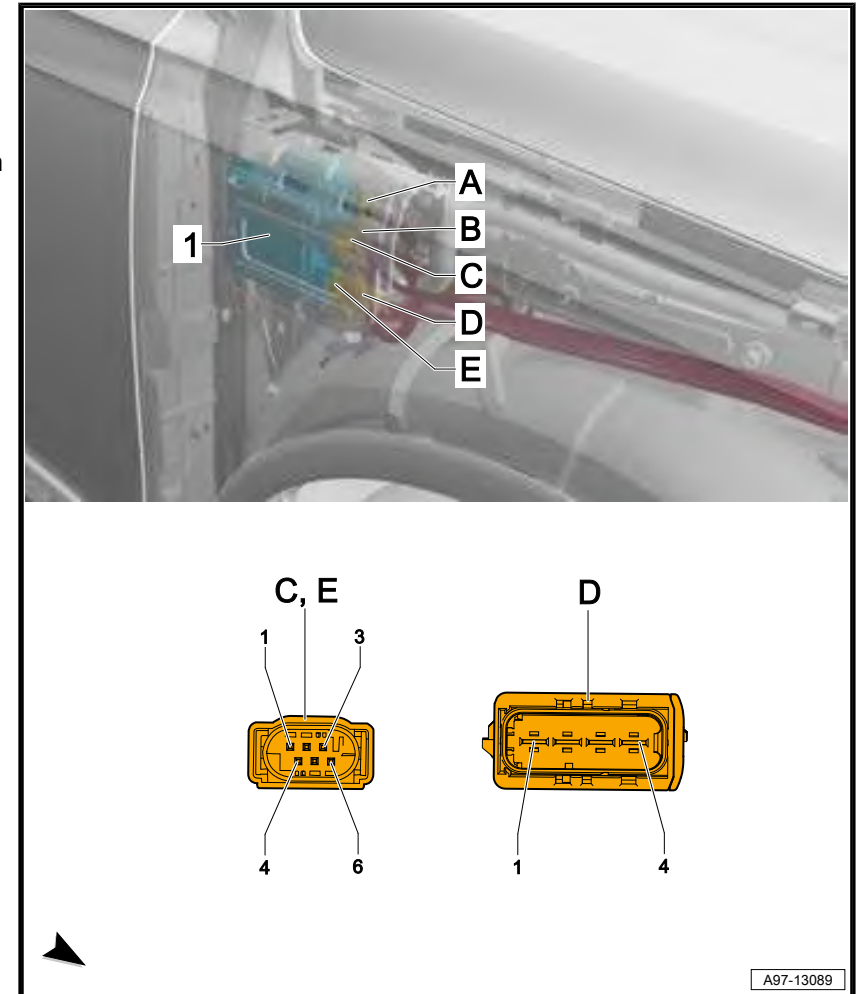
B - Terminal 41

- ☐ to 873 Ground connection 2 (in front right wheel housing)

C - 6-Pin Connector -T6bt- , black

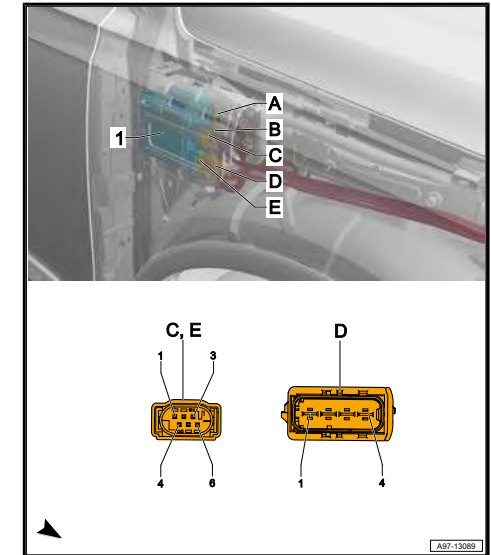
D - 4-Pin Connector -T4hw- , black

E - 6-Pin Connector -T6by- , black



1.20.2 Sway stabilization control module -J924- , connector views, T6bt, T6by

6-Pin Connector -T6by- / 6-Pin Connector -T6bt-



T6bt (C)	Designation	T6by (E)	Designation
1	CAN Bus, drivetrain control module High to E157 Connection 1 (CAN-Bus, drivetrain control module, High)	1	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (CAN-Bus High)
2	CAN Bus, drivetrain control module Low to E158 Connection 1 (CAN-Bus, drivetrain control module, Low)	2	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (CAN-Bus Low)
3	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	3	
4	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel B SB	4	
5	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	5	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (5V supply)
6	Terminal 31, to 656 Ground connection on right headlamp ³⁾ 720 Ground Connection (on right B-pillar) ⁴⁾	6	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (ground supply)

¹⁾ Only left-hand drive

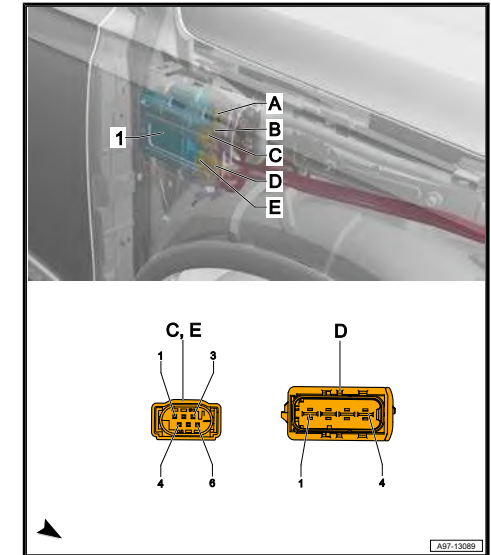
²⁾ Only right-hand drive

³⁾ Through July 2016

⁴⁾ From August 2016

1.20.3 Sway stabilization control module -J924- , connector views, T4hw

4-Pin Connector -T4hw-



T4hw (D)	Designation
1	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (motor phase W)
2	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (motor phase V)
3	Actuator for running gear stabilisation, front left V634 ¹⁾ /Actuator for running gear stabilisation, front right V635 ²⁾ (motor phase U)
4	

¹⁾ Only left-hand drive

²⁾ Only right-hand drive

1.21 Subframe mount control module J931

♦ ⇒ ["1.21.1 Subframe mount control module J931 , location", page 44](#)

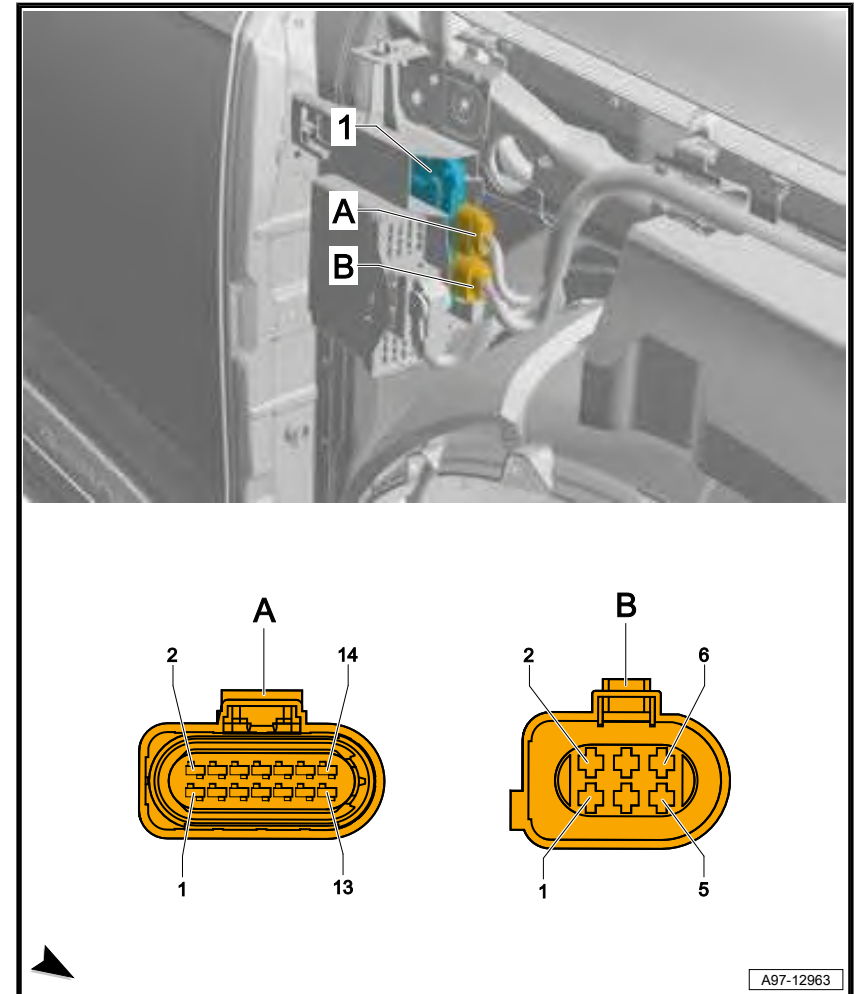
♦ ⇒ ["1.21.2 Subframe mount control module J931 , connector views", page 46](#)

1.21.1 Subframe mount control module -J931- , location

1 - Subframe Mount Control Module -J931-

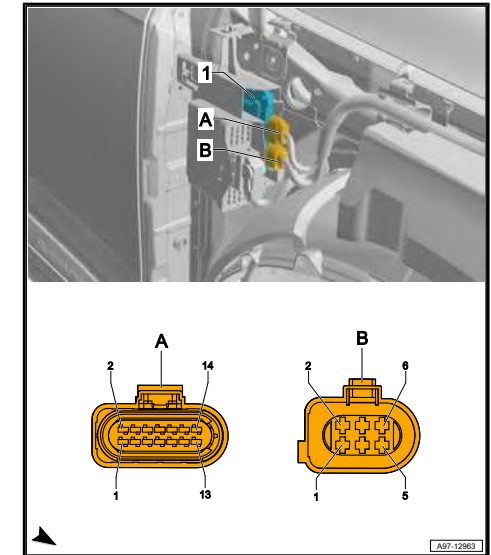
A - 14-Pin Connector -T14g- , black

B - 6-Pin Connector -T6n- , black



1.21.2 Subframe mount control module -J931- , connector views

14-Pin Connector -T14g- / 6-Pin Connector -T6n-



T14g (A)	Designation	T6n (B)	Designation
1	Subframe mount sensor 1 G748	1	Subframe mount actuator 1 N513
2	Subframe mount sensor 1 G748	2	Subframe mount actuator 1 N513
3	Subframe mount sensor 2 G749	3	Terminal 31, to 656 Ground connection on right headlamp
4	Engine Control Module (ECM) J623	4	Subframe mount actuator 2 N514
5		5	Subframe mount actuator 2 N514
6	Subframe mount sensor 2 G749	6	Terminal 30, from Fuse Carrier 2ST2 in fuse panel B SB
7			
8			
9			
10	CAN-Bus Hybrid High, to B776 Hybrid CAN bus high connection 1 (in main wiring harness)		
11			
12	CAN-Bus Hybrid Low, to B777 Hybrid CAN bus low connection 1 (in main wiring harness)		
13			
14	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness		

1.22 Thermal management control module J1024

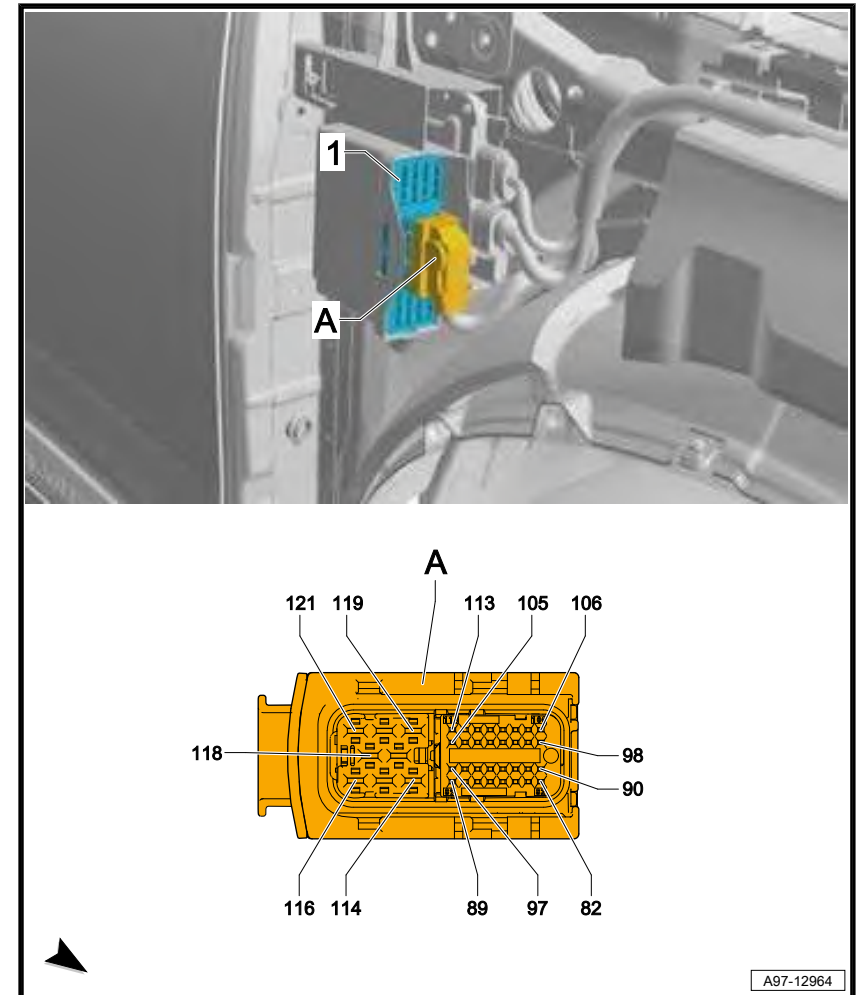
◆ ⇒ [“1.22.1 Thermal management control module J1024 , location”, page 47](#)

◆ ⇒ [“1.22.2 Thermal management control module J1024 , connector views”, page 48](#)

1.22.1 Thermal management control module -J1024- , location

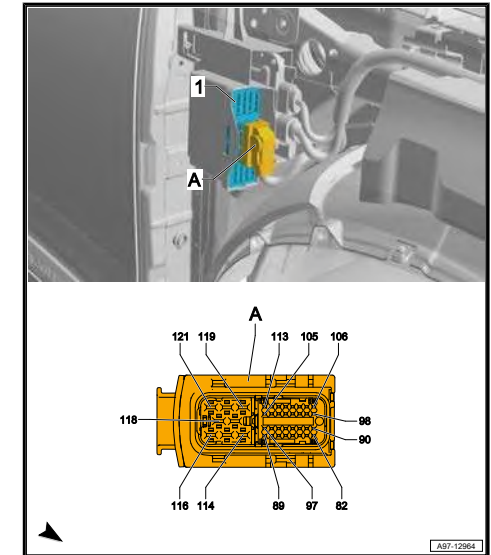
1 - Thermal management control module -J1024-

A - 40-Pin Connector -T40a- , black



1.22.2 Thermal management control module -J1024- , connector views

40-Pin Connector -T40a-



T40a (A)	Designation	T40a (A)	Designation
81		101	Sensor ground supply to 285 Ground connection 7 (in interior wiring harness)
82	Thermal management coolant temperature sensor 3 G904	102	
83	Thermal management coolant temperature sensor 6 G907	103	LIN-Bus, to B842 LIN-Bus Connection 8 (in main wiring harness)
84	Thermal management coolant temperature sensor 8 G968	104	LIN-Bus, to B608 Connection 4 (in passenger compartment wiring harness)
85		105	CAN-Bus Hybrid High, to B776 Hybrid CAN bus high connection 1 (in main wiring harness)
86		106	
87	Thermal management coolant pump 2 V618	107	Thermal management coolant pumps relay J1141
88	Coolant Fan Control (FC) Control Module 2 J671	108	Refrigerant cut-off valve V424
89	Coolant Fan Control (FC) Control Module 2 J671	109	Coolant change-over valve 1 N632
90		110	Coolant change-over valve 2 N633
91	Thermal management coolant temperature sensor 5 G906	111	Coolant change-over valve 3 N634
92	Thermal management coolant temperature sensor 7 G908	112	Coolant change-over valve 4 N635
93		113	CAN-Bus Hybrid Low, to B777 Hybrid CAN bus low connection 1 (in main wiring harness)
94	Thermal management coolant pump 4 V620	114	Sensor ground supply to 294 Ground connection 9 (in interior wiring harness)
95	Thermal management coolant pump V617	115	Terminal 31, to 656 Ground connection on right headlamp

T40a (A)	Designation		T40a (A)	Designation
96	Coolant fan control module J293		116	Terminal 30, from Fuse Carrier 2ST2 in fuse panel B SB
97	Coolant fan control module J293		117	Coolant shut-off valve 2 N645
98	Thermal management coolant temperature sensor 1 G902		118	
99	Thermal management coolant temperature sensor 4 G905		119	
100	Engine coolant level sensor 2 G837		120	

1.23 Control unit for electric compressor J1123

- ◆ ⇒ [“1.23.1 Control unit for electric compressor J1123 , location”, page 49](#)
- ◆ ⇒ [“1.23.2 Control unit for electric compressor J1123 , connector views”, page 51](#)

1.23.1 Control unit for electric compressor -J1123- , location

1 - Control unit for electric compressor -J1123-

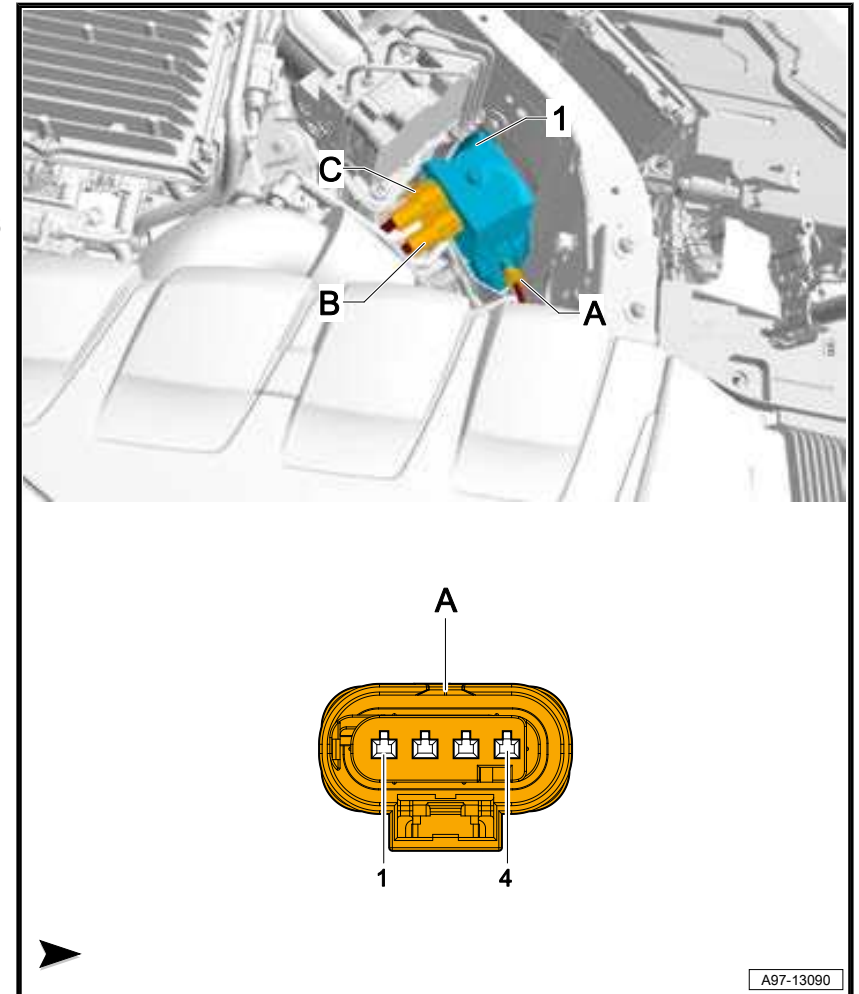
A - 4-Pin Connector -T4ao- , black

B - Single Connector -T1t- , black

- Terminal 41, to 792 Ground connection in right front wheel housing

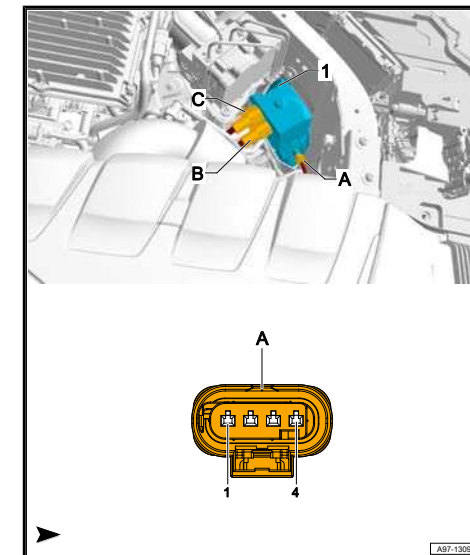
C - Single Connector -T1u- , black

- Terminal 40 from Fuse 1 on terminal 40 wire junction S366 in Terminal 40 wire junction TV66



1.23.2 Control unit for electric compressor -J1123-, connector views

4-Pin Connector -T4ao-



T4ao (A)	Designation
1	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB
2	CAN-Bus, vehicle electrical system control module, Low, to E153 CAN-Bus Low Connection 1 (Engine control module)
3	CAN-Bus, vehicle electrical system control module, High, to E151 CAN-Bus High Connection 1 (Engine control module)
4	Terminal 31, to 655 Ground connection on left headlamp

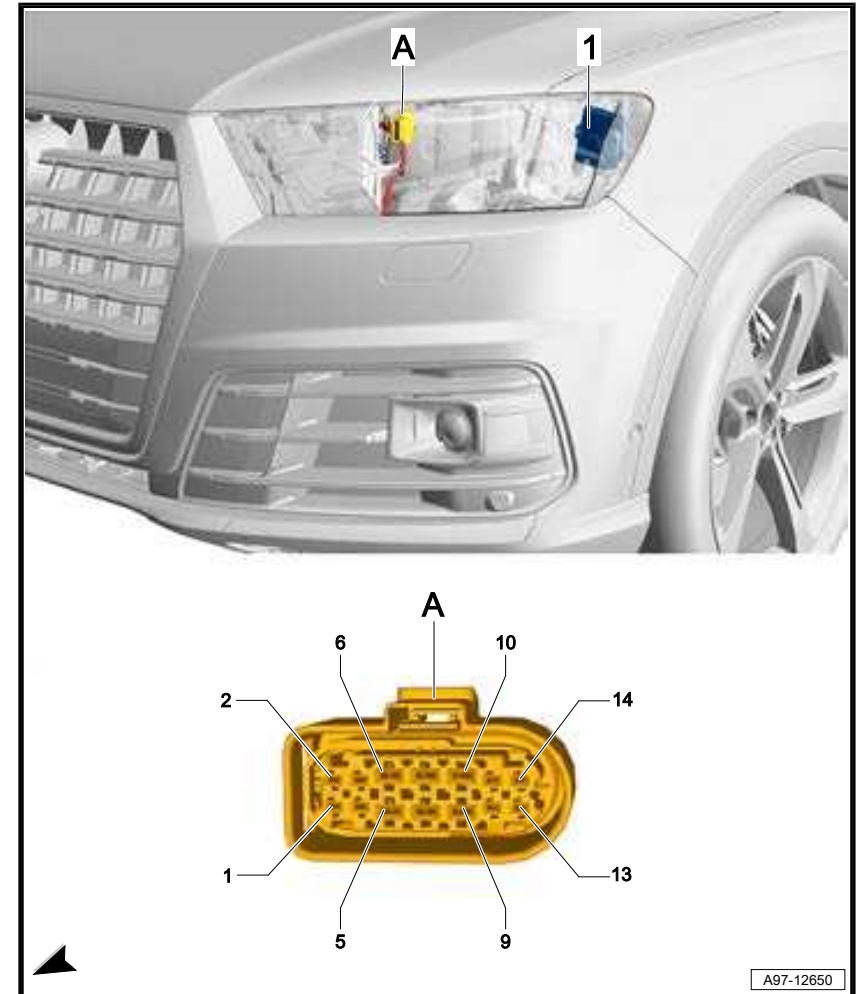
1.24 Left light control module J1018 / Right light control module J1023

♦ ⇒ ["1.24.1 Left light control module J1018 / Right light control module J1023 , location", page 51](#)

♦ ⇒ ["1.24.2 Left light control module J1018 / Right light control module J1023 , connector views", page 53](#)

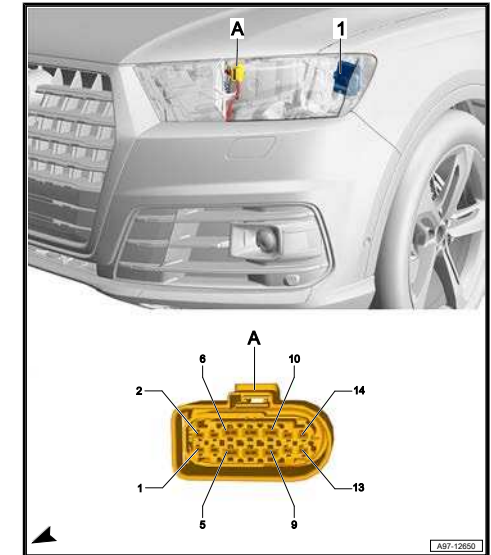
1.24.1 Left light control module -J1018- / Right light control module -J1023-, location

- 1 - Left light control module -J1018-
- 1 - Right light control module -J1023-
- A - 14-Pin Connector -T14d- , black
- A - 14-Pin Connector -T14e- , black



1.24.2 Left light control module -J1018- / Right light control module -J1023- , connector views

14-Pin Connector -T14d- / 14-Pin Connector -T14e-



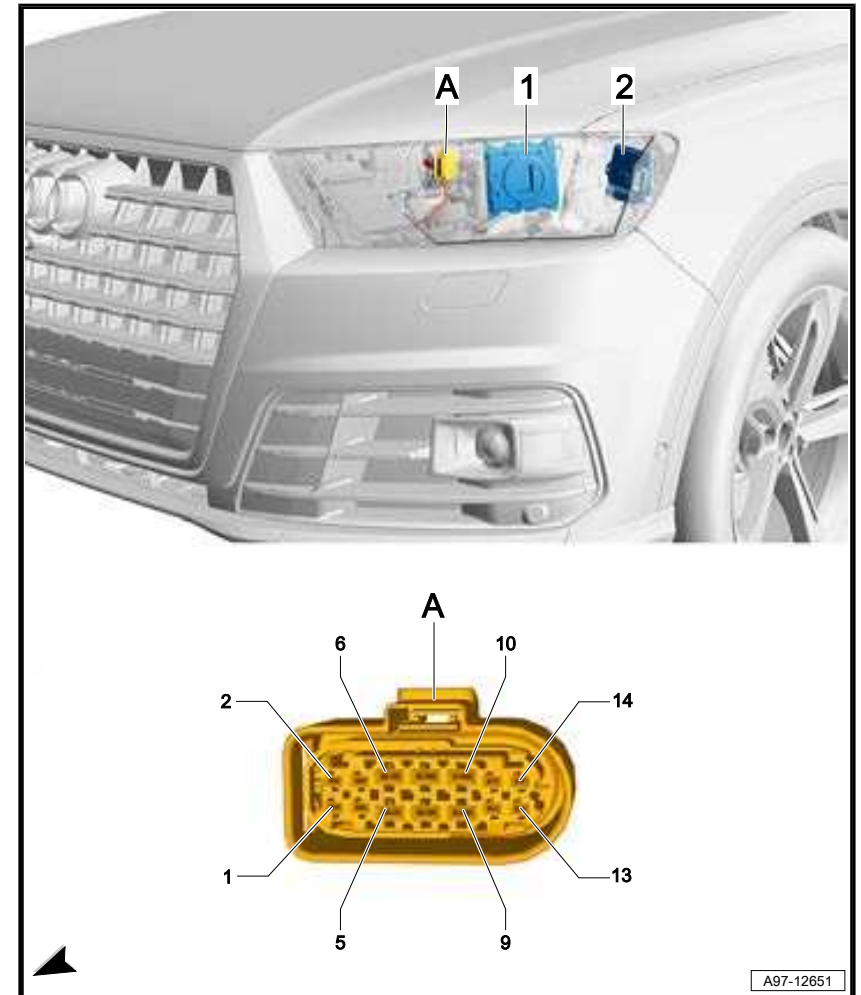
T14d (A)	Designation	T14e (A)	Designation
1	CAN-Bus Extended High, to Vehicle electrical system control module J519	1	CAN-Bus Extended High, to Vehicle electrical system control module J519
2	CAN-Bus Extended Low, to Vehicle electrical system control module J519	2	CAN-Bus Extended Low, to Vehicle electrical system control module J519
3		3	
4	Vehicle electrical system control module J519	4	Vehicle electrical system control module J519
5	Terminal 31, to 655 Ground connection on left headlamp	5	Terminal 31, to 656 Ground connection on right headlamp
6	Vehicle electrical system control module J519	6	Vehicle electrical system control module J519
7		7	
8		8	
9		9	
10	Terminal 31, to 655 Ground connection on left headlamp	10	Terminal 31, to 656 Ground connection on right headlamp
11	Vehicle electrical system control module J519	11	Vehicle electrical system control module J519
12		12	
13		13	
14		14	

1.25 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27

- ◆ ⇒ [“1.25.1 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27 , location”, page 54](#)
- ◆ ⇒ [“1.25.2 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27 , connector views W/O Matrix Beam”, page 56](#)
- ◆ ⇒ [“1.25.3 Left LED Headlamp Power Output Stage 1 A31 / Right LED Headlamp Power Output Stage 1 A27 , connector views, W/ Matrix Beam”, page 57](#)

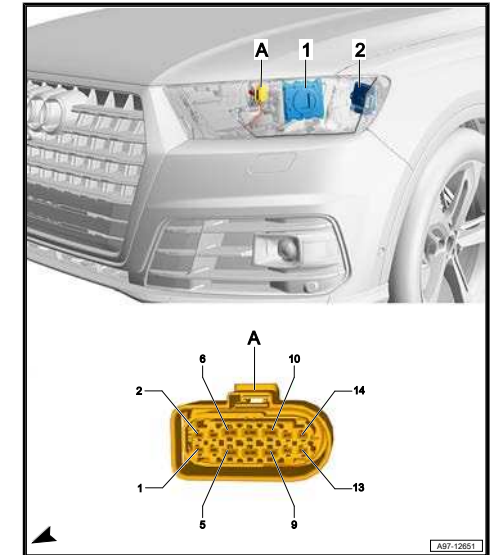
1.25.1 Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27- , location

- 1 - Left LED Headlamp Power Output Stage 1 -A31-
- 1 - Right LED Headlamp Power Output Stage 1 -A27-
- 2 - Left light control module J1018 / Right light control module J1023
- A - 14-Pin Connector -T14d- , black
- A - 14-Pin Connector -T14e- , black



1.25.2 Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27- , connector views W/O Matrix Beam

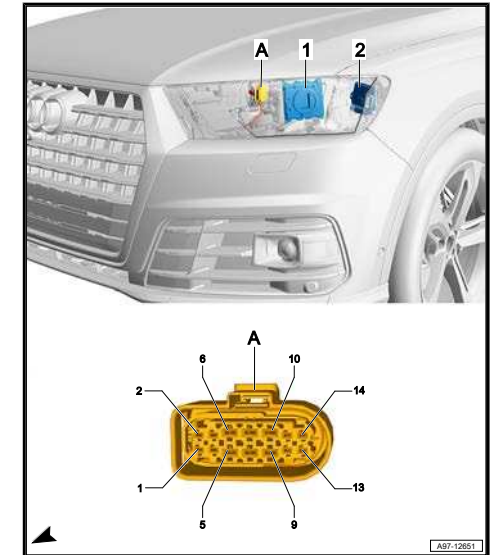
14-Pin Connector -T14d- / 14-Pin Connector -T14e-



T14d (A)	Designation	T14e (A)	Designation
1	CAN-Bus Extended High, to Vehicle electrical system control module J519	1	CAN-Bus Extended High, to Vehicle electrical system control module J519
2	CAN-Bus Extended Low, to Vehicle electrical system control module J519	2	CAN-Bus Extended Low, to Vehicle electrical system control module J519
3		3	
4		4	
5	Terminal 31, to 655 Ground connection on left headlamp	5	Terminal 31, to 656 Ground connection on right headlamp
6	Vehicle electrical system control module J519	6	Vehicle electrical system control module J519
7		7	
8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB
9	Vehicle electrical system control module J519	9	Vehicle electrical system control module J519
10	Terminal 31, to 655 Ground connection on left headlamp	10	Terminal 31, to 656 Ground connection on right headlamp
11	Vehicle electrical system control module J519	11	Vehicle electrical system control module J519
12		12	
13		13	
14		14	

1.25.3 Left LED Headlamp Power Output Stage 1 -A31- / Right LED Headlamp Power Output Stage 1 -A27- , connector views, W/ Matrix Beam

14-Pin Connector -T14d- / 14-Pin Connector -T14e-



T14d (A)	Designation	T14e (A)	Designation
1	CAN-Bus, vehicle electrical system control module, High, to E159 CAN-Bus High Connection 1 (vehicle electrical system control module)	1	CAN-Bus Extended High, to Vehicle electrical system control module J519
2	CAN-Bus, vehicle electrical system control module, Low, to E160 CAN-Bus Low Connection 1 (vehicle electrical system control module)	2	CAN-Bus Extended Low, to Vehicle electrical system control module J519
3		3	
4		4	
5	Terminal 31, to 655 Ground connection on left headlamp	5	Terminal 31, to 656 Ground connection on right headlamp
6	Vehicle electrical system control module J519	6	Vehicle electrical system control module J519
7	Terminal 31, to 655 Ground connection on left headlamp	7	Terminal 31, to 656 Ground connection on right headlamp
8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	8	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB
9	Vehicle electrical system control module J519	9	Vehicle electrical system control module J519
10	Terminal 31, to 655 Ground connection on left headlamp	10	Terminal 31, to 656 Ground connection on right headlamp
11	Vehicle electrical system control module J519	11	Vehicle electrical system control module J519
12		12	
13		13	
14		14	

1.26 Brake Booster NX6

◆ ⇒ [“1.26.1 Brake Booster NX6 , location”, page 58](#)

◆ ⇒ [“1.26.2 Brake Booster NX6 , connector views”, page 59](#)

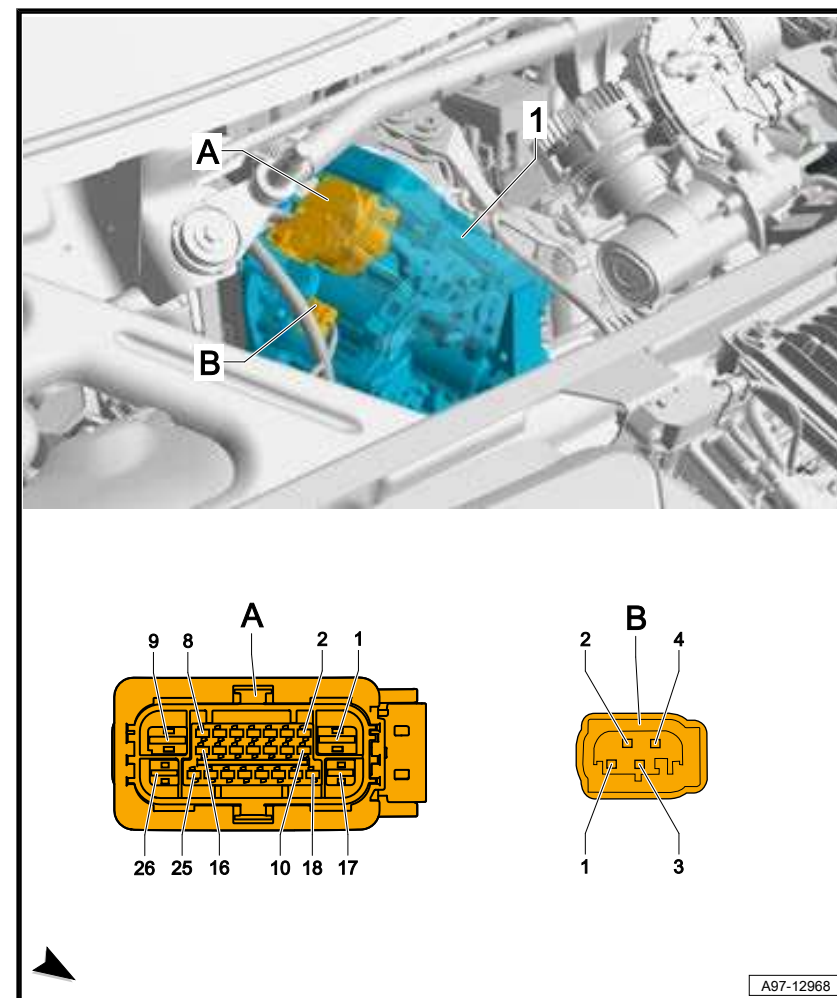
1.26.1 Brake Booster -NX6- , location

1 - Brake booster -NX6-

☐ with brake pedal position sensor

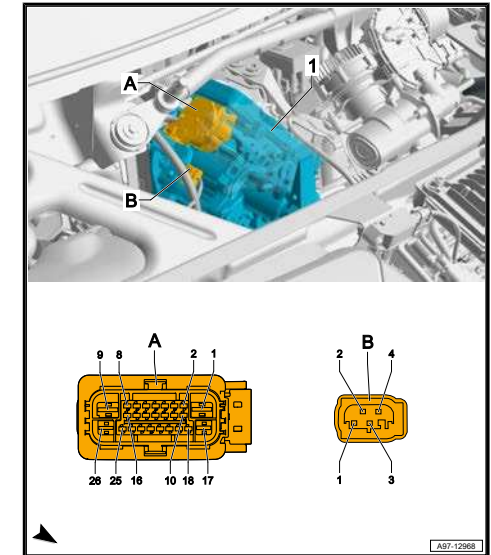
A - 26-Pin Connector -T26h- , black

B - 4-Pin Connector -T4hf- , black



1.26.2 Brake Booster -NX6- , connector views

26-Pin Connector -T26h-



T26h (A)	Designation	T26h (A)	Designation
1	Terminal 30, from Fuse 7 (30) S210 in Terminal 30 wire junction 3 TV28	14	Data-Bus (FlexRay-Bus), to Power steering control module J500
2	Brake pedal position sensor positive supply G100/G836	15	
3		16	
4		17	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF
5	Data-Bus (FlexRay-Bus), from Transmission control module J217	18	Brake system pressure reservoir VX70
6	Data-Bus (FlexRay-Bus), to Power steering control module J500	19	
7		20	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness
8	Brake pedal position sensor ground supply G100/G836	21	
9	Terminal 31, to 645 Ground Connection 1 on bulkhead	22	Brake Pedal Position Sensor G100 (signal)
10	Brake system pressure reservoir VX70	23	Brake pedal position sensor 2 G836 (signal)
11		24	Brake lamp signal, to B335 Connection 1 (54) in main wiring harness
12		25	
13	Data-Bus (FlexRay-Bus), from Transmission control module J217	26	

1.27 High voltage system maintenance connector TW

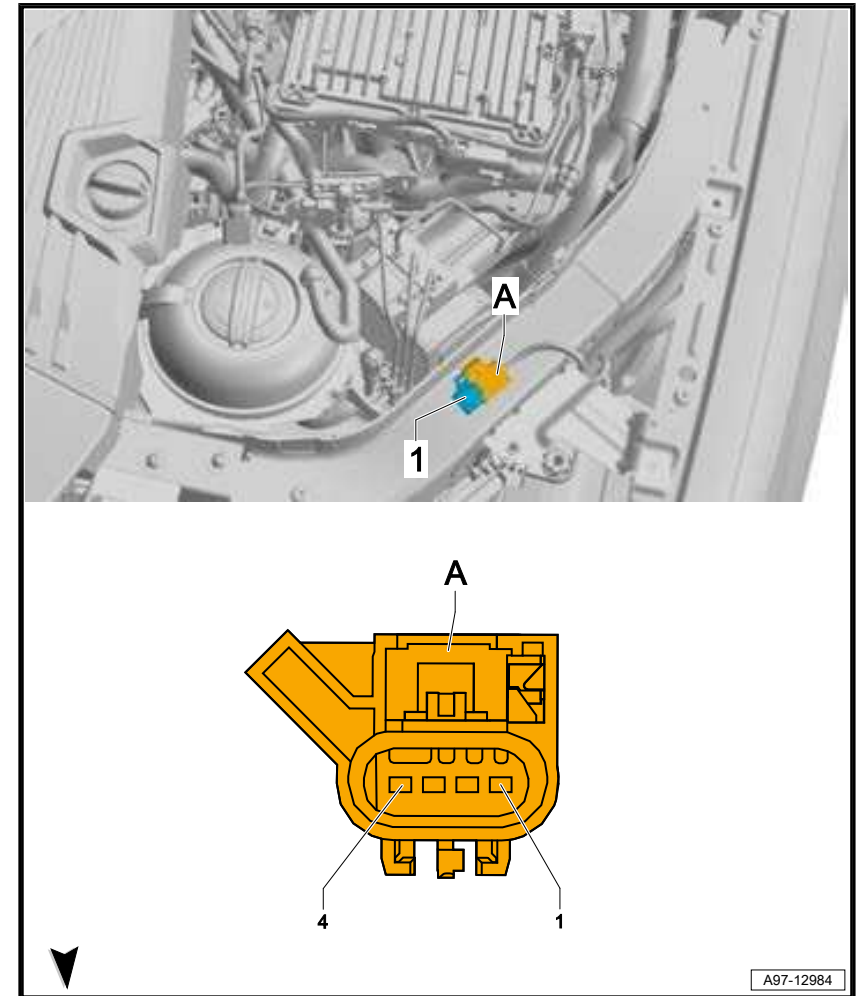
♦ . ⇒ [“1.27.1 High voltage system maintenance connector TW , location”, page 60](#)

♦ ⇒ [“1.27.2 High voltage system maintenance connector TW , connector views”, page 61](#)

1.27.1 High voltage system maintenance connector -TW- , location

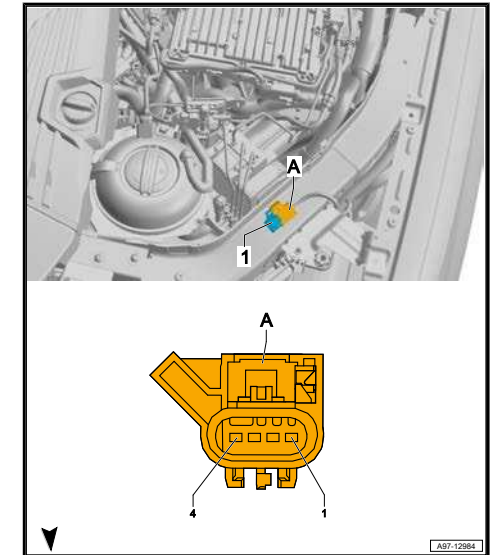
1 - High Voltage System Maintenance Connector -TW-

A - 4-Pin Connector -T4hn- , green



1.27.2 High voltage system maintenance connector -TW- , connector views

4-Pin Connector -T4hn-



T4hn (A)	Designation
1	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF
2	Hybrid Battery Unit AX1
3	A/C Compressor Control Module J842 (pilot line)
4	Hybrid Battery Unit AX1

1.28 Brake system pressure reservoir VX70

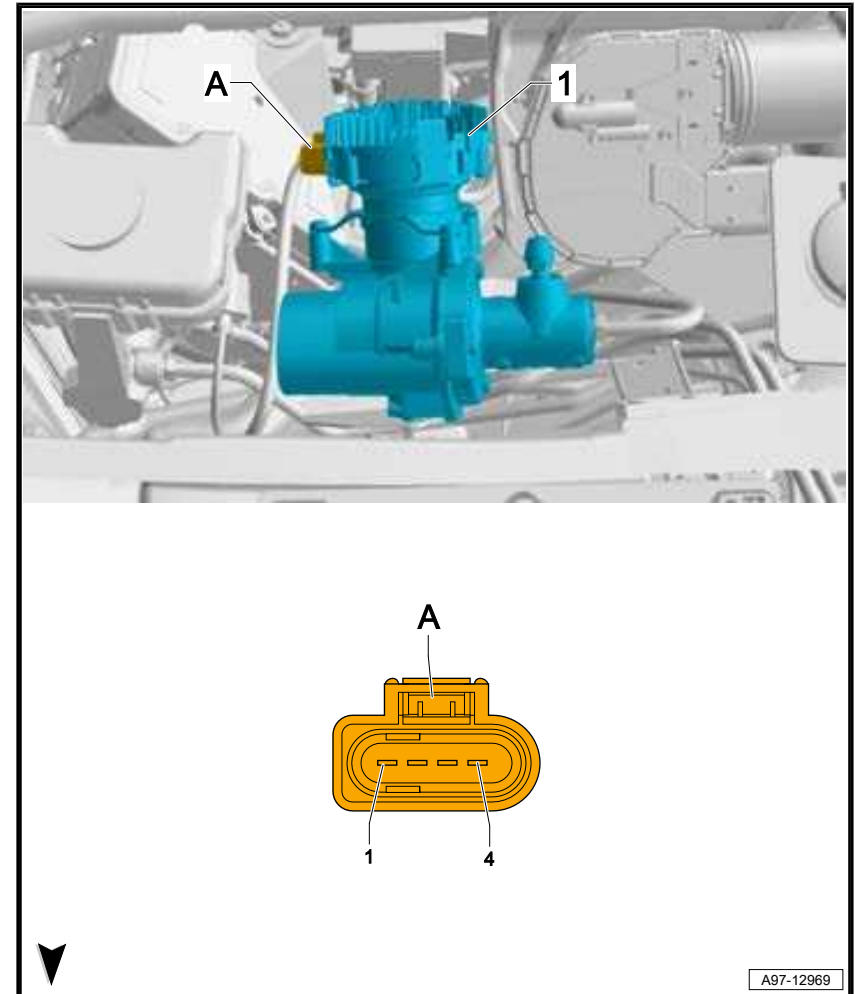
♦ ⇒ ["1.28.1 Brake system pressure reservoir VX70 , location", page 61](#)

♦ ⇒ ["1.28.2 Brake system pressure reservoir VX70 , connector views", page 63](#)

1.28.1 Brake system pressure reservoir -VX70- , location

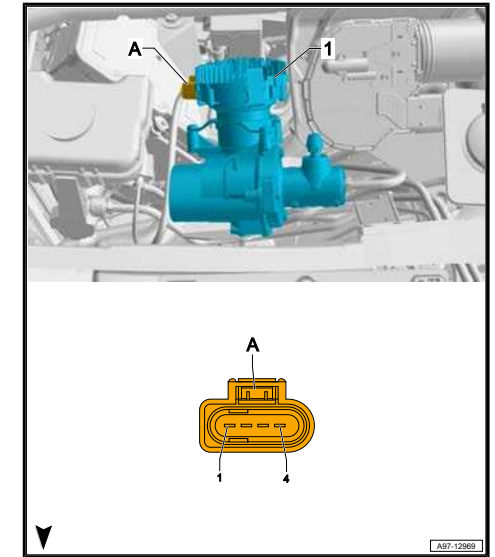
1 - Brake system pressure reservoir -VX70-

A - 4-Pin Connector -T4hg- , black



1.28.2 Brake system pressure reservoir -VX70- , connector views

4-Pin Connector -T4hg-



T4hg (A)	Designation
1	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB
2	Brake booster NX6
3	Brake booster NX6
4	Terminal 31, to 645 Ground Connection 1 on bulkhead

1 Comp. Loc. Vehicle Cabin Modules

◆ ⇒ [“1.1 Vehicle Cabin Modules Overview”, page 1](#)

◆ ⇒ [“1.2 Vehicle Cabin Modules W/ High-Voltage System, Overview \(0K3\)”, page 3](#)

1.1 Vehicle Cabin Modules Overview

1 - ⇒ [“1.15 Windshield defogger control module J505”, page 47](#)

2 - ⇒ [“1.5 Fresh Air Blower Control Module J126”, page 13](#)

3 - ⇒ [“1.23 Chip card reader control module J676”, page 73](#)

4 - ⇒ [“1.26 Control Module for Information Electronics 1 J794”, page 81](#)

5 - ⇒ [“1.27 Automatic high beam assist control module J844 ”, page 85](#)

6 - ⇒ [“1.39 Driver assistance systems front camera R242 ”, page 114](#)

7 - ⇒ [“1.8 Power sunroof control module J245”, page 25](#)

8 - ⇒ [“1.18 Roof electronics control module J528”, page 57](#)

9 - ⇒ [“1.12 Front Passenger’s Door Control Module J387”, page 38](#)

10 - ⇒ [“1.37 Front passenger side rear ionizer J1108”, page 109](#)

11 - ⇒ [“1.35 Passenger side rear door control module J927”, page 103](#)

12 - ⇒ [“1.14 Multi-function Steering Wheel Control Module J453”, page 45](#)

13 -
⇒ [“1.29 Left front seat belt tensioner control module J854 / Right front seat belt tensioner control module J855”, page 89](#)

14 - ⇒ [“1.21 Selector Lever Sensor Control Module J587”, page 68](#)

15 - ⇒ [“1.4 Rear A/C display control head E265”, page 8](#)

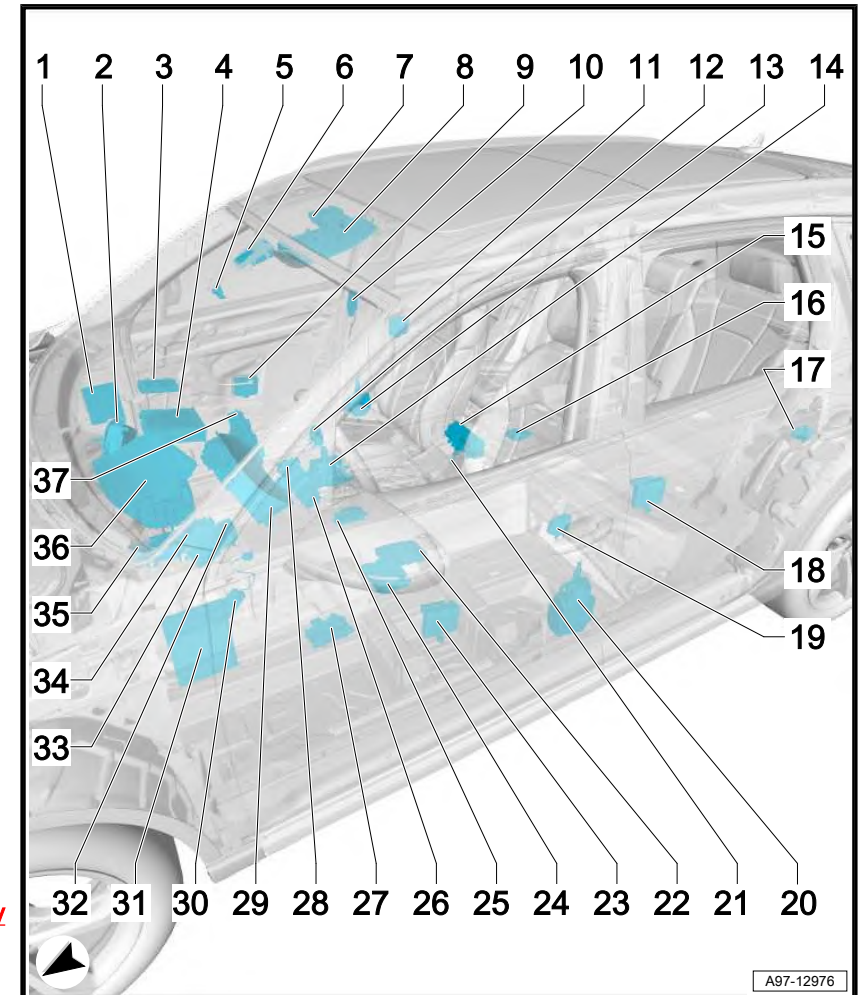
16 - ⇒ [“1.20 Fuel Pump \(FP\) Control Module J538”, page 67](#)

17 - ⇒ [“1.31 Seat heating control module J882”, page 94](#)

18 - ⇒ [“1.34 Driver side rear door control module J926”, page 99](#)

19 -
⇒ [“1.22 Left rear information display control head control module J648 / Right rear information display control head control module J649”, page 70](#)

20 -
⇒ [“1.29 Left front seat belt tensioner control module J854 / Right front seat belt tensioner control module J855”, page 89](#)

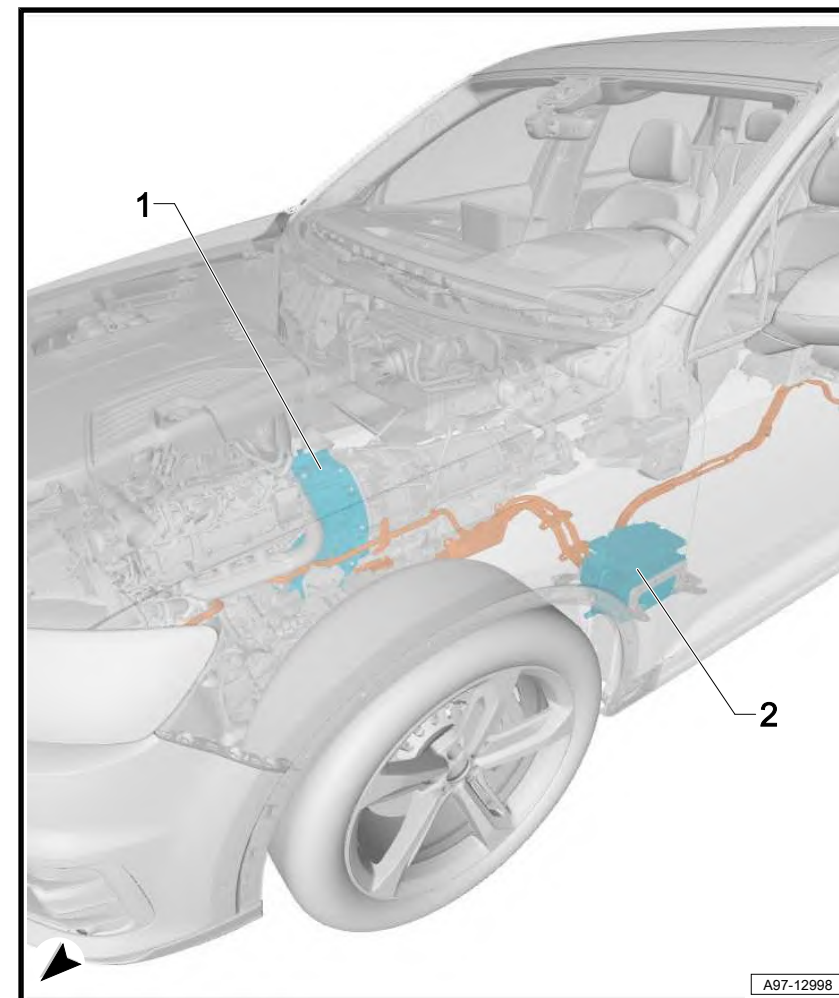


- 21 - ⇒ ["1.33 Fuel tank leak detection control module J909", page 97](#)
- 22 - ⇒ ["1.6 Memory Seat/Steering Column Adjustment Control Module J136 / Passenger Memory Seat Control Module J521", page 15](#)
- 23 - ⇒ ["1.11 Driver's Door Control Module J386", page 33](#)
- 24 - ⇒ ["1.19 Data bus on board diagnostic interface J533", page 59](#)
- 25 - ⇒ ["1.13 Rear fresh air blower control module J391", page 43](#)
- 26 - ⇒ ["1.28 Night vision system control module J853 ", page 87](#)
- 27 - ⇒ ["1.17 Steering Column Electronic Systems Control Module J527", page 54](#)
- 28 - ⇒ ["1.10 Battery Monitoring Control Module J367", page 31](#)
- 29 - ⇒ ["1.9 Instrument Cluster Control Module J285", page 28](#)
- 30 - ⇒ ["1.36 Driver side ionizer J1105", page 107](#)
- 31 - ⇒ ["1.16 Vehicle Electrical System Control Module J519", page 49](#)
- 32 - ⇒ ["1.25 Drivetrain control module J775", page 77](#)
- 33 - ⇒ ["1.30 Power adjustable steering column control module J866", page 91](#)
- 34 - ⇒ ["1.24 Electronic steering column lock control module J764", page 75](#)
- 35 - ⇒ ["1.7 Airbag Control Module J234", page 24](#)
- 36 - ⇒ ["1.32 Windshield projection head up display control module J898", page 95](#)
- 37 - ⇒ ["1.3 A/C Control Head \(A/C, Climatronic\) E87", page 3](#)

1.2 Vehicle Cabin Modules W/ High-Voltage System, Overview (0K3)

1 - ⇒ ["1.40 Three-phase current drive VX54", page 115](#)

2 - ⇒ ["1.38 Electric drive power and control electronics JX1", page 111](#)



1.3 A/C Control Head (A/C, Climatronic) E87

◆ ⇒ ["1.3.1 A/C Control Head \(A/C, Climatronic\) E87 , location", page 4](#)

◆ ⇒ ["1.3.2 A/C Control Head \(A/C, Climatronic\) E87 , connector views, T20d, T16k W/O 9AH/9AU", page 5](#)

◆ ⇒ [“1.3.3 A/C Control Head \(A/C, Climatronic\) E87 , connector views, T20d, T16k, T6g, W/ 9AH/9AU”, page 6](#)

1.3.1 A/C Control Head (A/C, Climatronic) -E87- , location

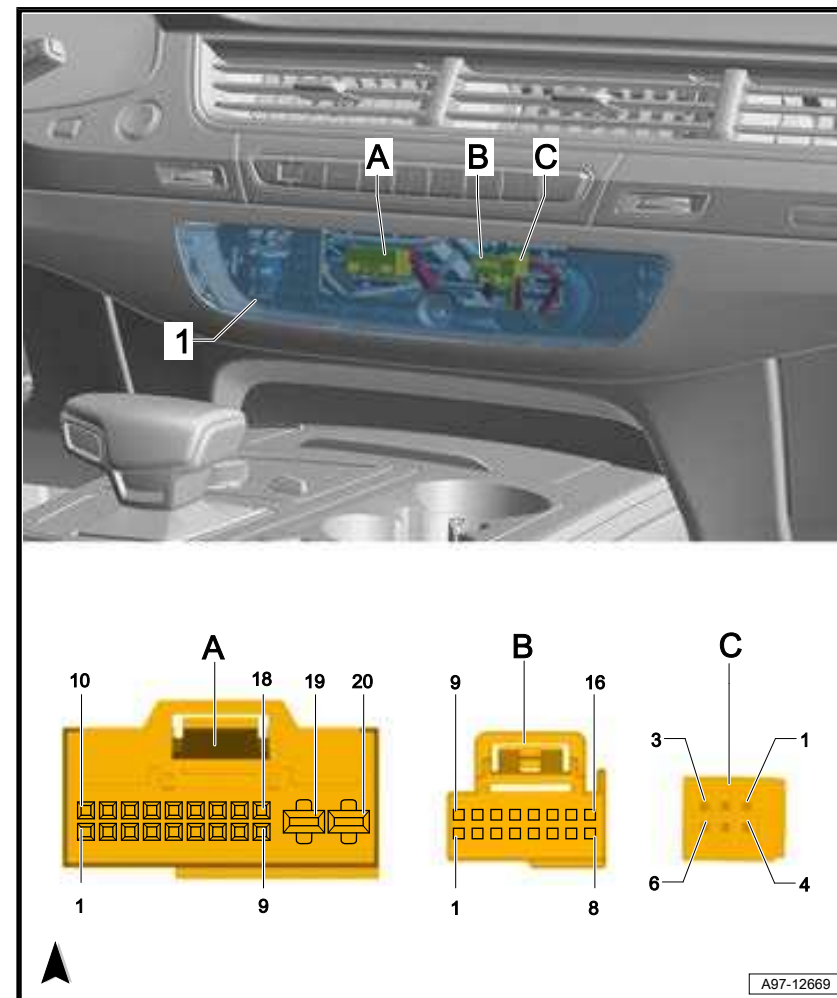
1 - A/C Control Head (A/C, Climatronic) -E87-

A - 20-Pin Connector -T20d- , black

B - 16-Pin Connector -T16k- , black

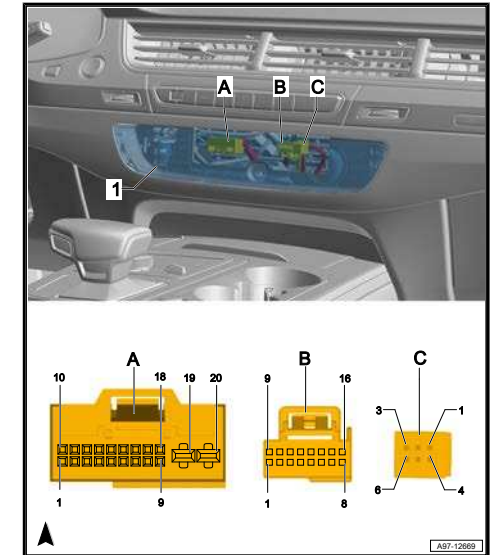
C - 6-Pin Connector -T6g- , black

□ for models equipped with air conditioning system 9AH/9AU only



1.3.2 A/C Control Head (A/C, Climatronic) -E87- , connector views, T20d, T16k W/ O 9AH/9AU

20-Pin Connector -T20d- / 16-Pin Connector -T16k-



T20d (A)	Designation	T16k (B)	Designation
1		1	LIN-Bus door motors, to Rear temperature door motor V137
2	CAN-Bus Hybrid High, to B776 Hybrid CAN bus high connection 1 (in main wiring harness)	2	Terminal 30 supply for control motors/auxiliary air heater, to L5 Connection 1 (in A/C wiring harness)
3	CAN-Bus Hybrid Low, to B777 Hybrid CAN bus low connection 1 (in main wiring harness)	3	Ground control motors supply, to 112 Ground connection 2 (in A/C wiring harness)
4	LIN-Bus, to A227 LIN bus connection 2 (in instrument panel wiring harness)	4	Evaporator Vent Temperature Sensor G263
5		5	Left Footwell Vent Temperature Sensor G261
6	Sunlight Photo Sensor G107	6	Right Footwell Vent Temperature Sensor G262
7	Ground supply sensors, to 335 Ground connection 5 (in instrument panel wiring harness)	7	
8	Sunlight Photo Sensor G107	8	
9	Sunlight Photo Sensor G107	9	Ground supply sensors, to 97 Ground connection 1 (in A/C wiring harness)
10		10	
11	Left Front Upper Body Outlet Temperature Sensor G385	11	Auxiliary Air Heater Control Module J604
12	Right Front Upper Body Outlet Temperature Sensor G386	12	
13		13	
14		14	
15	Rear upper body vent temperature sensor G537 ¹⁾	15	

T20d (A)	Designation	T16k (B)	Designation
16	Terminal 30 supply for sensors/control motors, to B487 Connection 23 (in main wiring harness)	16	
17	Ground control motors supply, to 188 Ground connection 3 (in A/C wiring harness) ²⁾		
18			
19	Terminal 31, to 752 Ground Connection 3 (on right A-pillar) ³⁾ 687 Ground Connection 1 (on center tunnel) ⁴⁾		
20	Terminal 30, from Fuse panel C SC		

¹⁾ Only for vehicles with A/C system 9AD

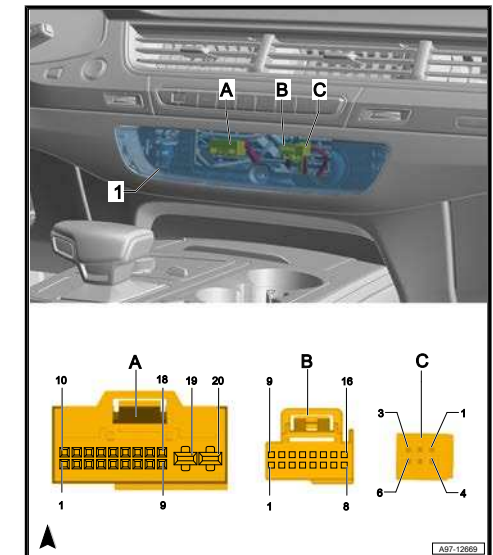
²⁾ Only for vehicles with A/C system KH5

³⁾ Left-Hand Drive

⁴⁾ Right-hand drive

1.3.3 A/C Control Head (A/C, Climatronic) -E87-, connector views, T20d, T16k, T6g, W/ 9AH/9AU

20-Pin Connector -T20d- / 16-Pin Connector -T16k- / 6-Pin
Connector -T6g-



T20d (A)	Designation	T16k (B)	Designation	T6g (C)	Designation
1		1	LIN-Bus door motors, to Rear temperature door motor V137	1	Right Rear Upper Body Vent Position Sensor G631



T20d (A)	Designation	T16k (B)	Designation	T6g (C)	Designation
2	CAN-Bus Hybrid High, to B776 Hybrid CAN bus high connection 1 (in main wiring harness)	2	Terminal 30 supply for control motors/ auxiliary air heater, to L5 Connection 1 (in A/C wiring harness)	2	Left Rear Upper Body Vent Position Sensor G630
3	CAN-Bus Hybrid Low, to B777 Hybrid CAN bus low connection 1 (in main wiring harness)	3	Ground control motors supply, to 112 Ground connection 2 (in A/C wiring harness)	3	Position sensor in left side vent G628
4	LIN-Bus, to A227 LIN bus connection 2 (in instrument panel wiring harness)	4	Evaporator Vent Temperature Sensor G263	4	Position sensor in right side vent G629
5		5	Left Footwell Vent Temperature Sensor G261	5	Position sensor in left center vent G626
6	5V supply for sensors/potentiometer to A58 5 volt connection (in instrument cluster wiring harness)	6	Right Footwell Vent Temperature Sensor G262	6	Position sensor in right center vent G627
7	Ground supply sensors/potentiometer, to 335 Ground connection 5 (in instrument panel wiring harness)	7			
8	Sunlight Photo Sensor G107	8			
9	Sunlight Photo Sensor G107	9	Ground supply sensors, to 97 Ground connection 1 (in A/C wiring harness)		
10		10			
11	Left Front Upper Body Outlet Temperature Sensor G385	11	Auxiliary Air Heater Control Module J604		
12	Right Front Upper Body Outlet Temperature Sensor G386	12			
13	Instrument panel vent button E815	13			
14	Instrument panel vent button E815	14			
15		15			
16	Terminal 30 supply for sensors/control motors/air ioniser, to A68 Connection 30 (in main wiring harness)	16			
17	Instrument panel vent motor V562 ¹⁾ Ground control motors supply, to A67 A/C system connection (31) (in instrument panel wiring harness)				
18					
19	Terminal 31, to 752 Ground Connection 3 (on right A-pillar) ³⁾ 687 Ground Connection 1 (on center tunnel) ⁴⁾				

T20d (A)	Designation	T16k (B)	Designation	T6g (C)	Designation
20	Terminal 30, from Fuse panel C SC				

1) Only models without High-Voltage System (0K0)

2) Only models with High-Voltage System (0K3)

3) Left-Hand Drive

4) Right-hand drive

1.4 Rear A/C display control head E265

◆ ⇒ [“1.4.1 Rear A/C display control head E265 , location, 9AU/KH5”, page 8](#)

◆ ⇒ [“1.4.2 Rear A/C display control head E265 , connector views, 9AU/KH5”, page 10](#)

◆ ⇒ [“1.4.3 Rear A/C display control head E265 , location, 9AH”, page 10](#)

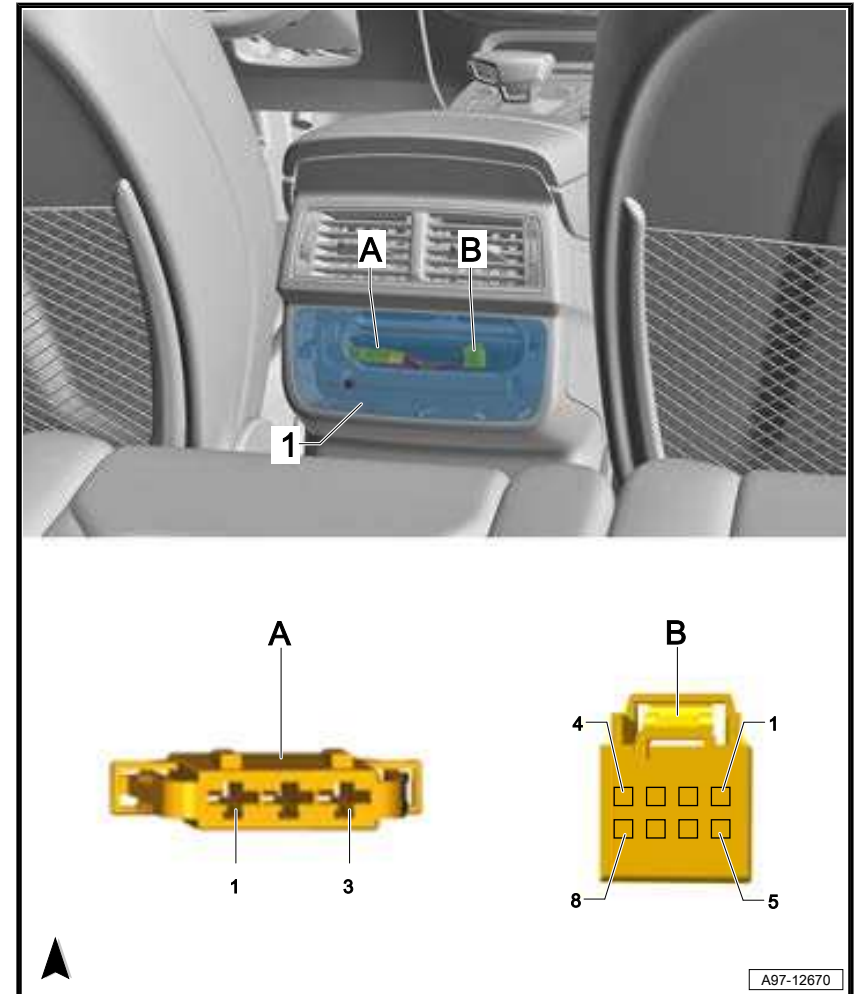
◆ ⇒ [“1.4.4 Rear A/C display control head E265 , connector views, 9AH”, page 12](#)

1.4.1 Rear A/C display control head -E265- , location, 9AU/KH5

1 - Rear A/C Control Head (Climatronic) -E265- , A/C 9AU/KH5

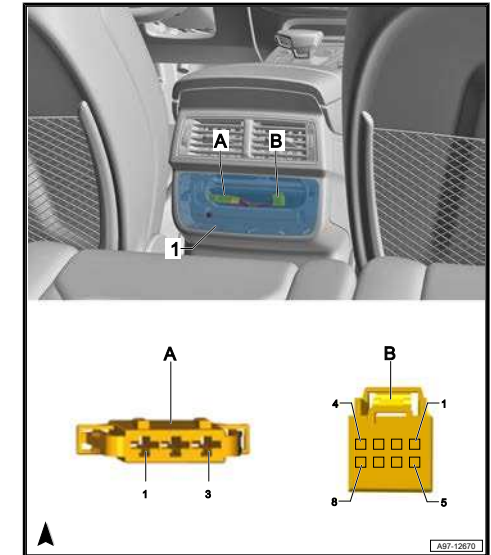
A - 3-Pin Connector -T3by- , black

B - 8-Pin Connector -T8y- , black



1.4.2 Rear A/C display control head -E265- , connector views, 9AU/KH5

3-Pin Connector -T3by- / 8-Pin Connector -T8y-



T3by (A)	Designation	T8y (B)	Designation
1	Left Rear Seat Heating Element Z10/Left rear backrest heating element Z11	1	LIN-Bus, to B698 LIN-Bus Connection 3 (in main wiring harness)
2	Terminal 30, from Fuse Carrier 1ST1 in fuse panel F SF ^{1) 2)} Fuse Carrier 5 ST5 in fuse panel FSF ³⁾	2	Terminal 15, from Fuse Carrier 4ST4 in fuse panel B SB
3	Right Rear Seat Heating Element Z12/Right rear backrest heating element Z13	3	Terminal 31, to 79 Ground connection on left B-pillar
		4	Ground supply sensors, to B646 Heated seat connection 3 (in main wiring harness)
		5	Rear upper body vent temperature sensor G537
		6	
		7	Left Rear Seat Heating Element Z10
		8	Right Rear Seat Heating Element Z12

¹⁾ Only models without High-Voltage System (0K0)

²⁾ Only models with High-Voltage System (0K3) and 4 cylinder gasoline engine

³⁾ Only models with High-Voltage System (0K3) and 6 cylinder diesel engine

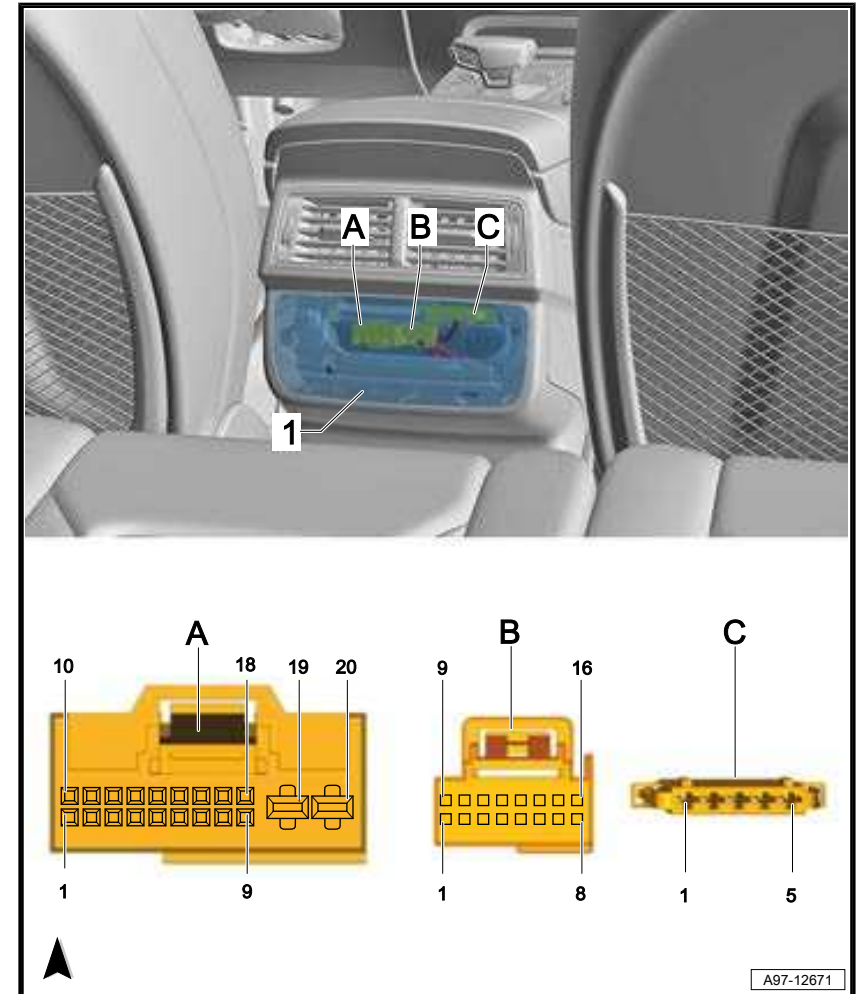
1.4.3 Rear A/C display control head -E265- , location, 9AH

1 - Rear A/C Control Head (Climatronic) -E265- , A/C 9AH

A - 20-Pin Connector -T20e- , black

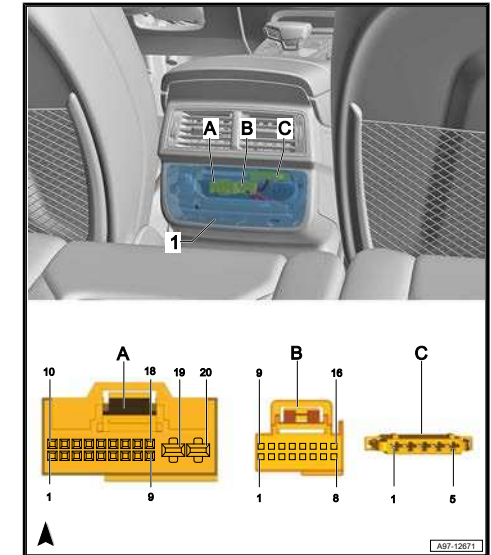
B - 16-Pin Connector -T16l- , black

C - 5-Pin Connector -T5i- , black



1.4.4 Rear A/C display control head -E265- , connector views, 9AH

20-Pin Connector -T20e- / 16-Pin Connector -T16l- / 5-Pin Connector -T5i-



T20e (A)	Designation	T16l (B)	Designation	T5i (C)	Designation
1		1	LIN-Bus door motors, to Right rear temperature door motor V314	1	Left Rear Seat Heating Element Z10
2	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)	2	Terminal 30 supply for door motors to L9 connection 1 (in A/C wiring harness)	2	Left Rear Backrest Heating Element Z11
3	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus low connection 2 (in main wiring harness)	3	Ground control motors supply, to L10 Connection 2 (in A/C wiring harness)	3	Terminal 30, from Fuse Carrier 1 ST1 in fuse panel F SF
4	Rear passenger side ioniser J1108	4	Left rear upper body vent temperature sensor G635	4	Right Rear Seat Heating Element Z12
5		5	Left rear footwell vent temperature sensor G637	5	Right Rear Backrest Heating Element Z13
6		6	Right rear footwell vent temperature sensor G638		
7	Ground supply sensors, to B647 Heated seat connection 4 (in main wiring harness)	7			
8		8			
9		9	Right rear upper body vent temperature sensor G636		
10		10	Ground supply sensors, to L7 Connection 3 (in A/C unit wiring harness)		
11		11			

T20e (A)	Designation	T16l (B)	Designation	T5i (C)	Designation
12		12			
13		13			
14		14			
15	Left Rear Heated Seat Temperature Sensor G94	15			
16	Left rear seat backrest temperature sensor G808	16			
17	Right Rear Heated Seat Temperature Sensor G95				
18	Right rear seat backrest temperature sensor G809				
19	Terminal 31, to 688 Ground Connection 2 (on Center Tunnel)				
20	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF				

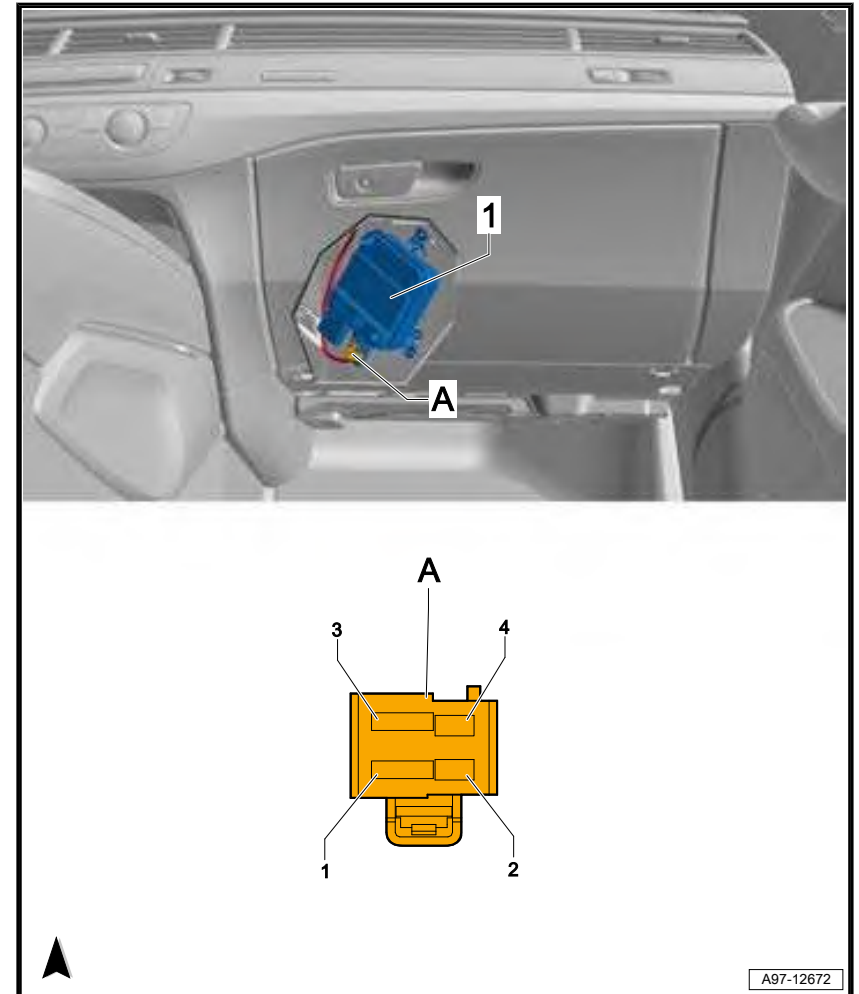
1.5 Fresh Air Blower Control Module J126

- ◆ ⇒ [“1.5.1 Fresh Air Blower Control Module J126 , location”, page 13](#)
- ◆ ⇒ [“1.5.2 Fresh Air Blower Control Module J126 , connector views”, page 15](#)

1.5.1 Fresh Air Blower Control Module -J126- , location

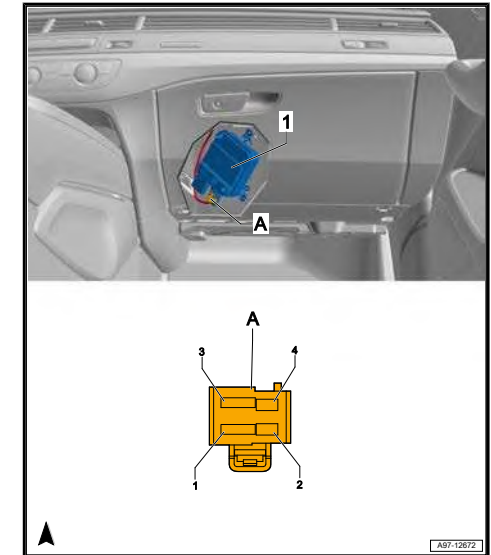
1 - Fresh Air Blower Control Module -J126-

A - 4-Pin Connector -T4f- , black



1.5.2 Fresh Air Blower Control Module -J126- , connector views

4-Pin Connector -T4f-



T4f (A)	Designation
1	Terminal 31, to 752 Ground Connection 3 (on right A-pillar) ¹⁾ 687 Ground Connection 1 (on center tunnel) ²⁾
2	
3	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel B SB
4	LIN-Bus, to A227 LIN bus connection 2 (in instrument panel wiring harness)

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.6 Memory Seat/Steering Column Adjustment Control Module J136 / Passenger Memory Seat Control Module J521

- ◆ ⇒ [“1.6.1 Memory Seat/Steering Column Adjustment Control Module J136 / Passenger Memory Seat Control Module J521 , location”, page 16](#)
- ◆ ⇒ [“1.6.2 Memory Seat/Steering Column Adjustment Control Module J136 , connector views, T20p”, page 17](#)
- ◆ ⇒ [“1.6.3 Memory Seat/Steering Column Adjustment Control Module J136 , connector views, T6bk, T4fy”, page 18](#)
- ◆ ⇒ [“1.6.4 Memory Seat/Steering Column Adjustment Control Module J136 , connector views, T26f”, page 19](#)

- ◆ ⇒ [“1.6.5 Passenger Memory Seat Control Module J521 , connector views, T20q”, page 21](#)
- ◆ ⇒ [“1.6.6 Passenger Memory Seat Control Module J521 , connector views, T6bl, T4fz”, page 22](#)
- ◆ ⇒ [“1.6.7 Passenger Memory Seat Control Module J521 , connector views, T26g”, page 23](#)

1.6.1 Memory Seat/Steering Column Adjustment Control Module -J136- / Passenger Memory Seat Control Module -J521- , location



Note

It's the component location of the Memory Seat/Steering Column Adjustment Control Module J136 and the Passenger Memory Seat Control Module J521 is mirror-inverted.

1 - Memory Seat/Steering Column Adjustment Control Module -J136-

1 - Passenger Memory Seat Control Module -J521-

A - 20-Pin Connector -T20p- , black

A - 20-Pin Connector -T20q- , black

B - 6-Pin Connector -T6bk- , black

B - 6-Pin Connector -T6bl- , black

C - 4-Pin Connector -T4fy- , black

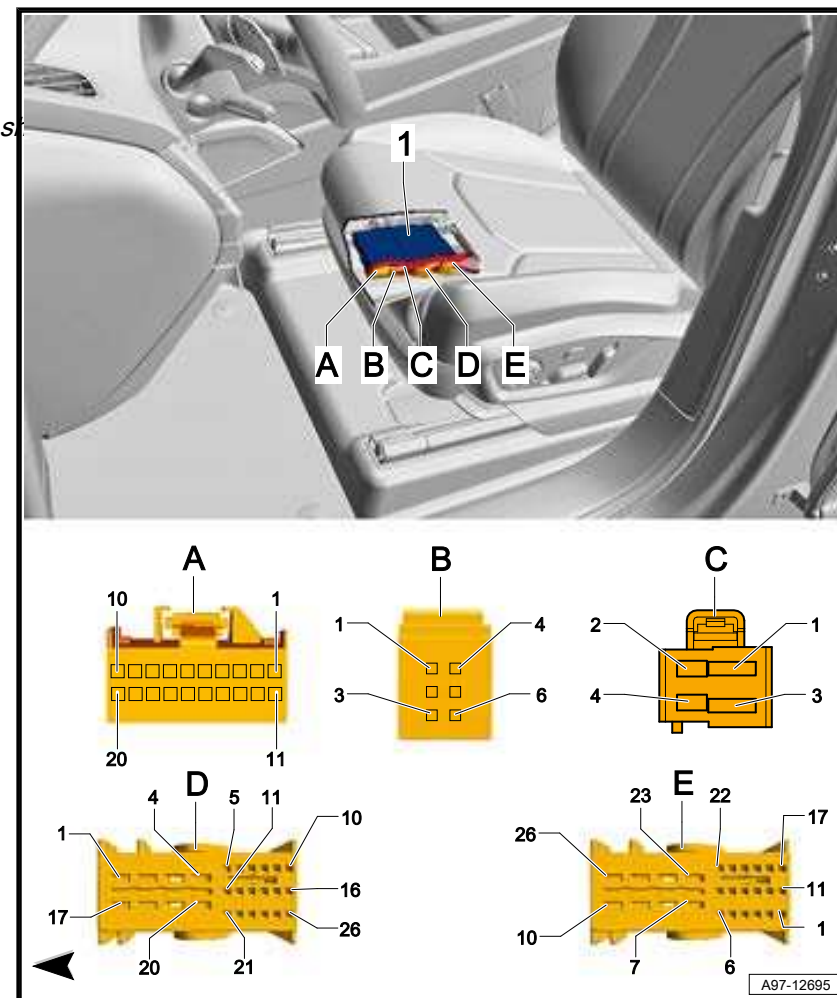
C - 4-Pin Connector -T4fz- , black

D - 26-Pin Connector -T26f- , blue

D - 26-Pin Connector -T26g- , blue

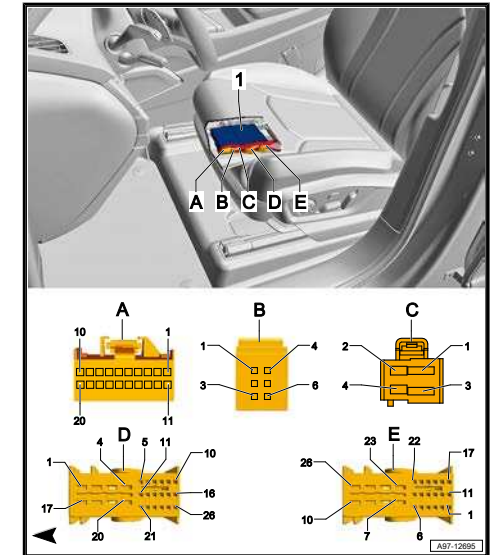
E - 26-Pin Connector -T26b- , white

E - 26-Pin Connector -T26c- , white



1.6.2 Memory Seat/Steering Column Adjustment Control Module -J136- , connector views, T20p

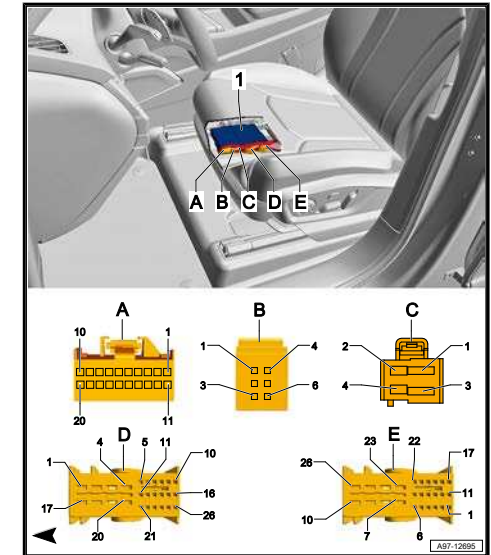
20-Pin Connector -T20p-



T20p (A)	Designation	T20p (A)	Designation
1	Comfort System CAN-Bus High, to B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)	11	Comfort System CAN-Bus Low, to B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
2		12	
3	Coding line to contact 20 on connector T20p	13	
4		14	Driver's Seat Fore/Aft Switch E363 in Driver seat adjustment control head E470
5		15	Driver's Seat Tilt Adjustment Switch E222 in Driver seat adjustment control head E470
6		16	Driver's Seat Height Adjustment Switch E364 in Driver seat adjustment control head E470
7		17	Driver's Backrest Adjustment Switch E96 in Driver seat adjustment control head E470
8		18	
9		19	Switch supply E96/E222/E363/E364 in Driver seat adjustment control head E470
10		20	Coding line to contact 3 on connector T20p

1.6.3 Memory Seat/Steering Column Adjustment Control Module -J136- , connector views, T6bk, T4fy

6-Pin Connector -T6bk- / 4-Pin Connector -T4fy-



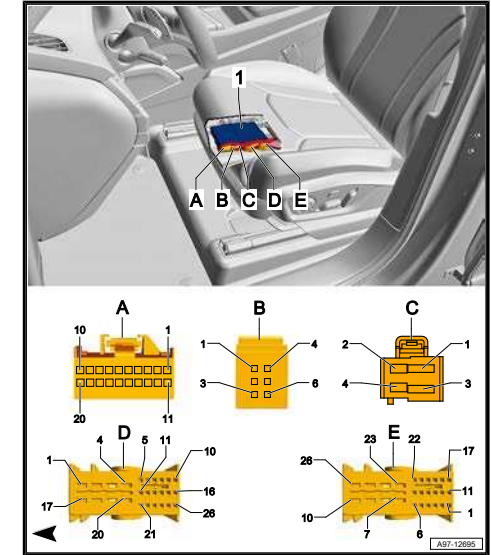
T6bk (B)	Designation	T4fy (C)	Designation
1	Driver's Lumbar Support Adjustment Valve Block N209 ¹⁾ /Driver's Lumbar Support Adjustment Pump V152 ²⁾	1	Terminal 30 from Driver's Power Seat Adjustment Circuit Breaker 1S44 on Fuse panel B SB
2	Driver's Lumbar Support Adjustment Valve Block N209 ¹⁾ /Driver's Lumbar Support Adjustment Pump V152 ²⁾	2	
3	Driver's Lumbar Support Adjustment Valve Block N209 ¹⁾ /Driver's Lumbar Support Adjustment Pump V152 ²⁾	3	Terminal 31, to 79 Ground connection on left B-pillar
4	Driver multicontour seat compressor V439 ¹⁾	4	
5	Driver multicontour seat compressor V439 ¹⁾		
6			

¹⁾ not for normal seat (Q1A)

²⁾ for comfort seat only (Q2J)

1.6.4 Memory Seat/Steering Column Adjustment Control Module -J136- , connector views, T26f

26-Pin Connector -T26f-



T26f (D)	Designation	T26b (E)	Designation
1	Driver's Backrest Adjustment Sensor G219/Driver backrest adjustment motor V45	1	
2		2	
3	Driver's Seat Lumbar Support Curvature Adjustment Motor V125 ¹⁾ / Lumbar support adjustment motor on driver side V596 ²⁾	3	Driver's Seat Fore and Aft Adjustment Sensor G218
4		4	Driver seat switch module E663 ¹⁾
5		5	Ground supply, to 857 Ground connection 10 (in seat adjustment wiring harness) ²⁾ /Driver's Seat Fore and Aft Adjustment Sensor G218 ³⁾ Ground supply, to 140 Ground connection 2 (in seat adjustment wiring harness) ⁴⁾
6		6	
7	Lumbar Support Height Adjustment Sensor G374 ¹⁾	7	Driver's Seat Tilt Adjustment Sensor G232/Driver seat angle adjustment motor V243
8	Lumbar Support Fore/Aft Adjustment Sensor G375 ¹⁾	8	Driver's Seat fore/aft Adjustment Motor V28
9		9	Seat depth adjustment sensor G378 ¹⁾ /Driver seat depth adjustment motor V256 ¹⁾
10		10	Driver's Seat Height Adjustment Sensor G231/Driver seat height adjustment motor V245
11		11	
12		12	Driver side massage function button E670 ²⁾

T26f (D)	Designation		T26b (E)	Designation
13			13	
14			14	Driver seat switch module E663 ¹⁾
15			15	
16	Driver's Seat Lumbar Support Height Adjustment Motor V129 ¹⁾		16	
17			17	Driver seat switch module E663 ¹⁾
18	Driver's Seat Lumbar Support Curvature Adjustment Motor V125 ¹⁾ / Lumbar support adjustment motor on driver side V596 ²⁾		18	
19	Driver's Backrest Adjustment Sensor G219/Driver backrest adjustment motor V45		19	
20			20	
21			21	
22	Ground supply, to 95 Ground connection 1 (in seat adjustment wiring harness) ¹⁾		22	
23			23	Driver's Seat Tilt Adjustment Sensor G232/Driver seat angle adjustment motor V243
24			24	Driver's Seat fore/aft Adjustment Motor V28
25			25	Driver's Seat Height Adjustment Sensor G231/Driver seat height adjustment motor V245
26	Driver's Seat Lumbar Support Height Adjustment Motor V129 ¹⁾		26	Seat depth adjustment sensor G378 ¹⁾ /Driver seat depth adjustment motor V256 ¹⁾

¹⁾ not for normal seat (Q1A)

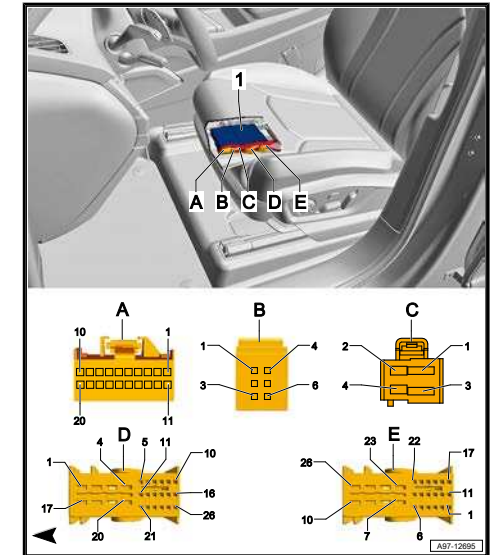
²⁾ for comfort seat only (Q2J)

³⁾ only for normal seat (Q1A)

⁴⁾ only for Sport seat (Q1D/Q1J)

1.6.5 Passenger Memory Seat Control Module -J521- , connector views, T20q

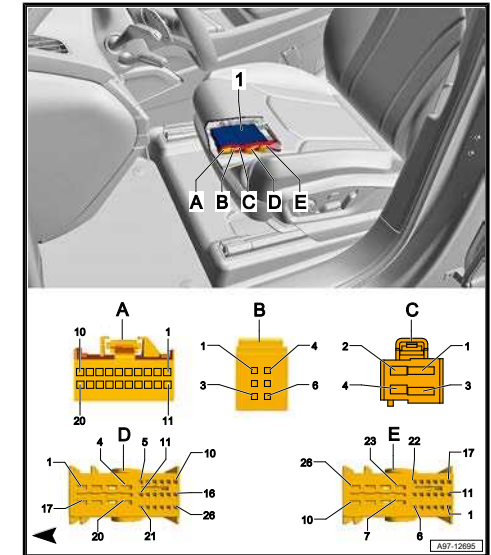
20-Pin Connector -T20q-



T20q (A)	Designation	T20q (A)	Designation
1	Comfort System CAN-Bus High, to B402 Comfort System CAN-Bus High Connection 6 (in main wiring harness)	11	Comfort System CAN-Bus Low, to B411 Comfort System CAN-Bus Low Connection 6 (in main wiring harness)
2		12	
3	Coding line to contact 20 on connector T20q	13	
4		14	Front Passenger's Seat Fore/Aft Adjustment Switch E64 in Front passenger seat adjustment control head E471
5		15	Front Passenger's Seat Tilt Adjustment Button E334 in Front passenger seat adjustment control head E471
6		16	Front Passenger's Seat Height Adjustment Switch E365 in Front passenger seat adjustment control head E471
7		17	Passenger Backrest Adjustment Switch E98 in Front passenger seat adjustment control head E471
8		18	
9		19	Switch supply E64/E98/E334/E365 in Front passenger seat adjustment control head E471
10		20	Coding line to contact 3 on connector T20q

1.6.6 Passenger Memory Seat Control Module -J521- , connector views, T6bl, T4fz

6-Pin Connector -T6bl- / 4-Pin Connector -T4fz-



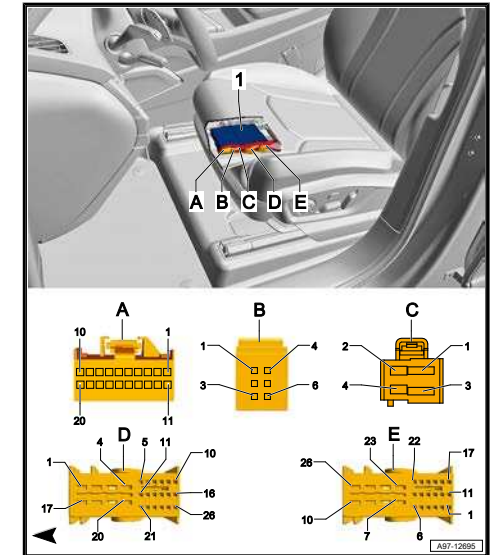
T6bl (B)	Designation	T4fz (C)	Designation
1	Front Passenger's Lumbar Support Adjustment Valve Block N210 ¹⁾ / Front Passenger's Lumbar Support Adjustment PumpV153 ²⁾	1	Terminal 30, from Front Passenger's Power Seat Adjustment Circuit Breaker 1S46 on fuse panel F SF
2	Front Passenger's Lumbar Support Adjustment Valve Block N210 ¹⁾ / Front Passenger's Lumbar Support Adjustment PumpV153 ²⁾	2	
3	Front Passenger's Lumbar Support Adjustment Valve Block N210 ¹⁾ / Front Passenger's Lumbar Support Adjustment PumpV153 ²⁾	3	Terminal 31, to 720 Ground connection on right B-pillar
4	Front passenger multicontour seat compressor V440 ¹⁾	4	
5	Front passenger multicontour seat compressor V440 ¹⁾		
6			

¹⁾ not for normal seat (Q1A)

²⁾ for comfort seat only (Q2J)

1.6.7 Passenger Memory Seat Control Module -J521- , connector views, T26g

26-Pin Connector -T26g-



T26g (D)	Designation	T26c (E)	Designation
1	Front Passenger's Backrest Adjustment Sensor --	1	
2		2	
3	Front Passenger's Seat Lumbar Support Curvature Adjustment Motor V126 ¹⁾ /Lumbar support adjustment motor on front passenger side V597 ²⁾	3	Front Passenger's Seat Fore/Aft Adjustment Sensor G278
4		4	Front passenger seat switch module E664 ¹⁾
5		5	Ground supply, to 855 Ground connection 8 (in seat adjustment wiring harness) ²⁾ /Front Passenger's Seat Fore/Aft Adjustment Sensor G278 ³⁾ Ground supply, to 413 Ground connection 4 (in seat adjustment wiring harness) ⁴⁾
6		6	
7	Front passenger lumbar support height adjustment sensor G721 ¹⁾	7	Front Passenger's Seat Tilt Adjustment Sensor G359/Front passenger seat angle adjustment motor V244
8	Front passenger lumbar support forward/back adjustment sensor G722 ¹⁾	8	Front Passenger's Seat Fore/Aft Adjustment Motor V31
9		9	Front passenger seat depth adjustment sensor G724 ¹⁾ /Front passenger seat depth adjustment motor V257 ¹⁾
10		10	Front Passenger's Seat Height Adjustment Sensor G607/Front passenger seat height adjustment motor V246
11		11	

T26g (D)	Designation		T26c (E)	Designation
12			12	Front passenger massage function button E671 ²⁾
13			13	
14			14	Front passenger seat switch module E664 ¹⁾
15			15	
16	Front Passenger Seat Lumbar Support Height Adjustment Motor V130 ¹⁾		16	
17			17	Front passenger seat switch module E664 ¹⁾
18	Front Passenger's Seat Lumbar Support Curvature Adjustment Motor V126 ¹⁾ /Lumbar support adjustment motor on front passenger side V597 ²⁾		18	
19	Front Passenger's Backrest Adjustment Sensor G279/Front passenger backrest adjustment motor V46		19	
20			20	
21			21	
22	Ground supply, to 853 Ground connection 6 (in seat adjustment wiring harness) ²⁾ Ground supply, to 412 Ground connection 3 (in seat adjustment wiring harness) ⁴⁾		22	
23			23	Front Passenger's Seat Tilt Adjustment Sensor G359/Front passenger seat angle adjustment motor V244
24			24	Front Passenger's Seat Fore/Aft Adjustment Motor V31
25			25	Front Passenger's Seat Height Adjustment Sensor G607/Front passenger seat height adjustment motor V246
26	Front Passenger Seat Lumbar Support Height Adjustment Motor V130 ¹⁾		26	Front passenger seat depth adjustment sensor G724 ¹⁾ /Front passenger seat depth adjustment motor V257 ¹⁾

¹⁾ not for normal seat (Q1A)

²⁾ for comfort seat only (Q2J)

³⁾ only for normal seat (Q1A)

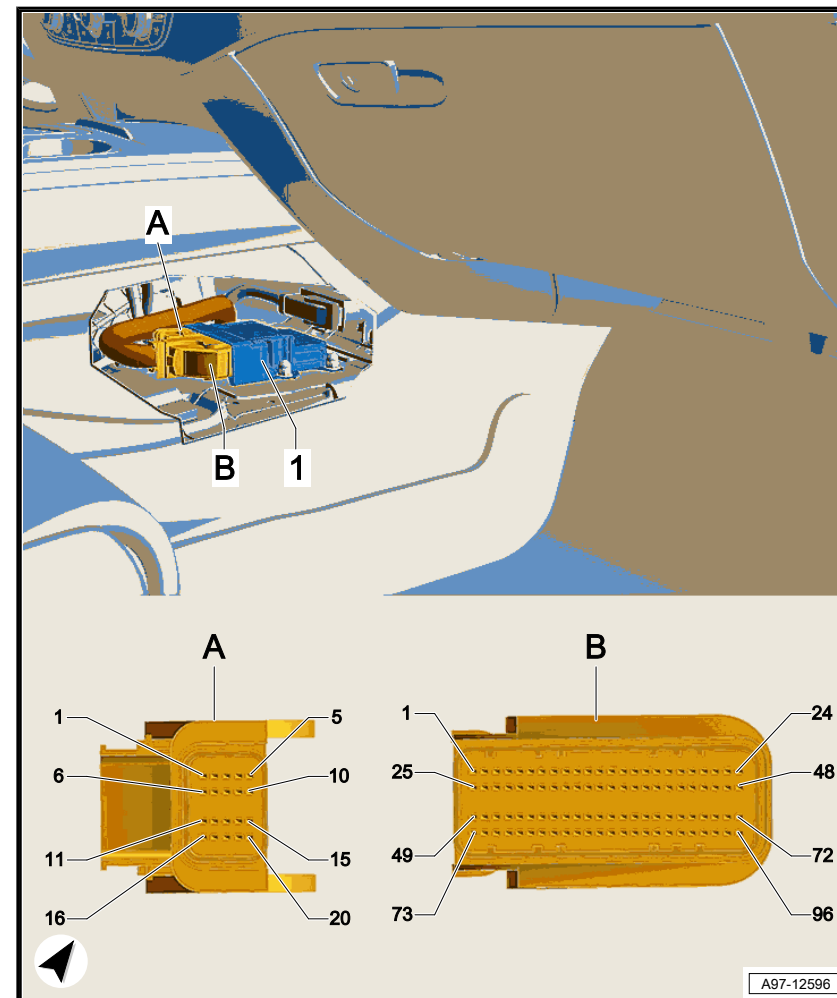
⁴⁾ only for Sport seat (Q1D/Q1J)

1.7 Airbag Control Module J234

1 - Airbag Control Module -J234-

A - 20-Pin Connector -T20c- , yellow

B - 96-Pin Connector -T96a- , yellow



1.8 Power sunroof control module J245

◆ ⇒ [“1.8.1 Power sunroof control module J245 , location”, page 26](#)

◆ ⇒ [“1.8.2 Power sunroof control module J245 , connector views”, page 27](#)

1.8.1 Power sunroof control module -J245-, location

1 - Sunroof Motor V1

2 - Power Sunroof Control Module -J245-

3 - Sunroof Blind Motor V260

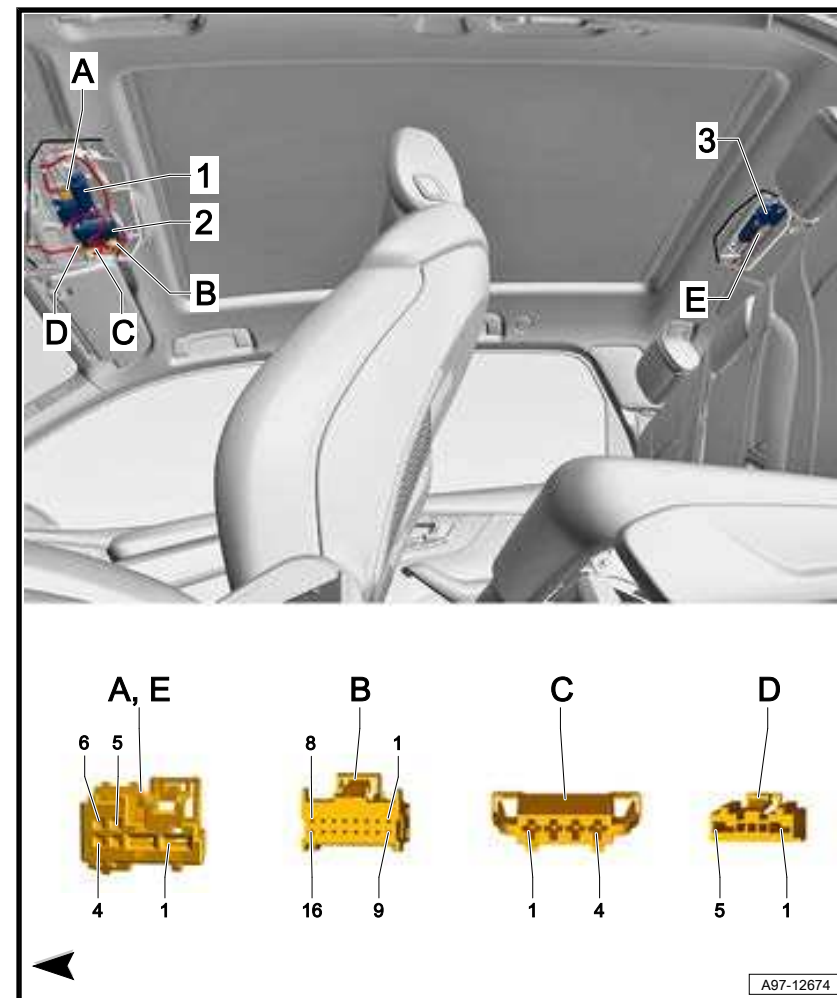
A - 6-Pin Connector -T6ai-, black

B - 16-Pin Connector -T16g-, brown

C - 4-Pin Connector -T4bi-, black

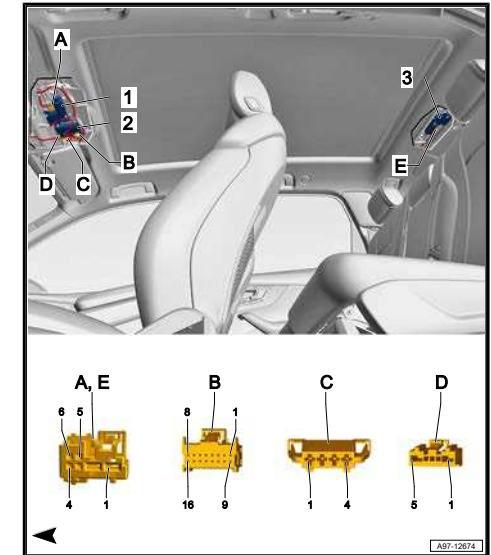
D - 5-Pin Connector -T5k-, black

E - 6-Pin Connector -T6ak-, black



1.8.2 Power sunroof control module -J245- , connector views

16-Pin Connector -T16g- / 4-Pin Connector -T4bi- / 5-Pin Connector -T5k-



T16g (B)	Designation	T4bi (C)	Designation	T5k (D)	Designation
1	Sunroof Motor V1	1	Sunroof shade motor V260	1	Terminal 31, to 689 Ground connection (on center/front roof)
2	Sunroof Motor V1	2	Sunroof shade motor V260	2	
3	Sunroof Motor V1/Sunroof shade motor V260	3	Sunroof Motor V1	3	Comfort System CAN-Bus High, to B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
4	Sunroof Regulator E139	4	Sunroof Motor V1	4	Comfort System CAN-Bus Low, to B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
5	Sunroof Regulator E139			5	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB
6	Sunroof Regulator E139				
7					
8					
9	Sunroof shade motor V260				
10	Sunroof shade motor V260				
11	Sunroof Motor V1/Sunroof shade motor V260				
12	Sunroof Regulator E139				
13					

T16g (B)	Designation		T4bi (C)	Designation		T5k (D)	Designation
14							
15							
16	Sunroof Regulator E139						

1.9 Instrument Cluster Control Module J285

◆ ⇒ [“1.9.1 Instrument Cluster Control Module J285 , location”, page 28](#)

◆ ⇒ [“1.9.2 Instrument Cluster Control Module J285 , connector views”, page 30](#)

1.9.1 Instrument Cluster Control Module -J285- , location

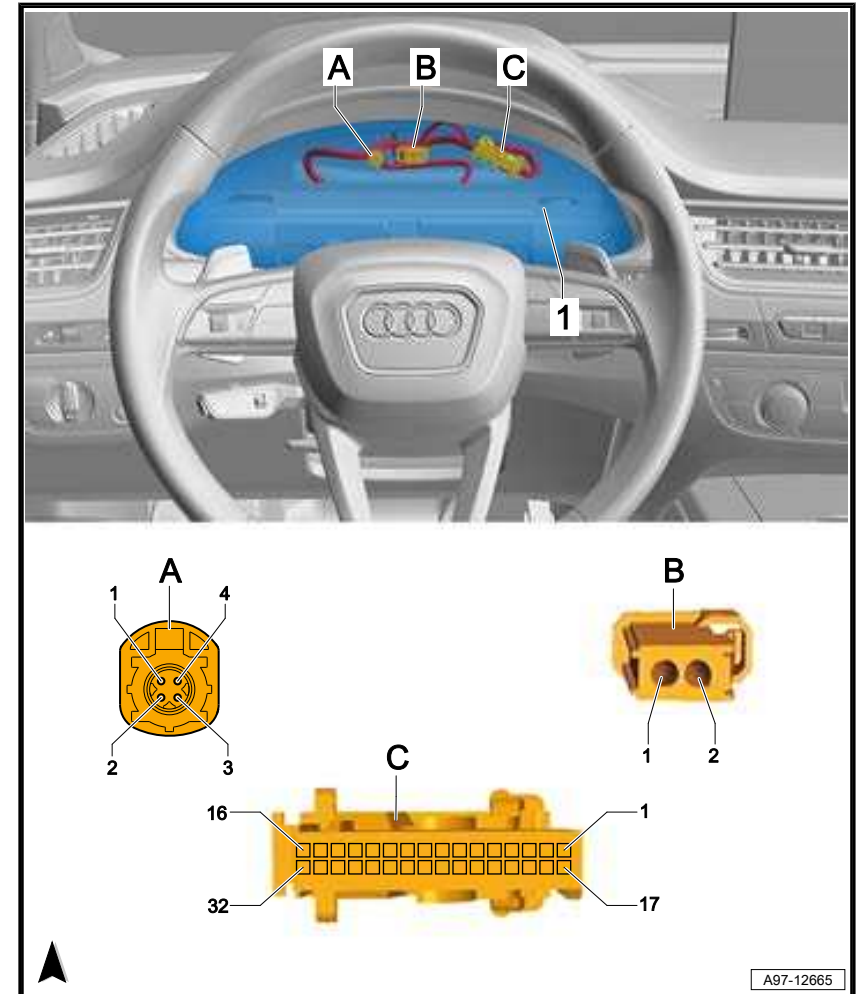
1 - Instrument Cluster Control Module -J285-

A - 4-Pin Connector -T4b- , black

B - Double Connector -T2r- , black

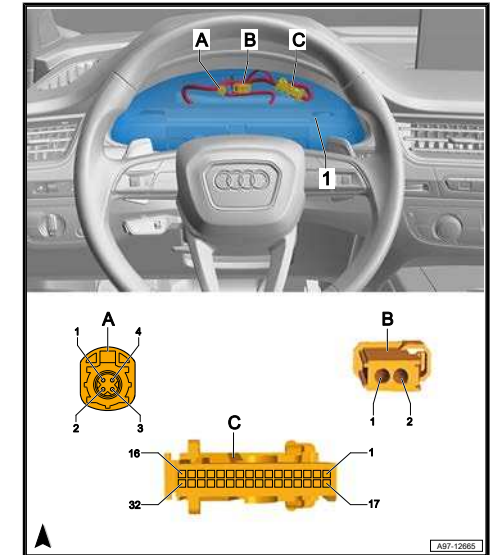
□ MOST Bus

C - 32-Pin Connector -T32a- , grey



1.9.2 Instrument Cluster Control Module -J285- , connector views

32-Pin Connector -T32a-



T32a (C)	Designation	T32a (C)	Designation	T32a (C)	Designation
1	Ringbreak Diagnosis	12		23	
2		13		24	
3	Infotainment CAN-Bus Low to A179 Infotainment CAN bus low connection (in instrument panel wiring harness)	14		25	
4	Infotainment CAN-Bus High to A178 Infotainment CAN bus high connection (in instrument panel wiring harness)	15		26	
5		16		27	
6		17		28	
7		18		29	
8	Instrument Cluster Operation Button E493	19	FlexRay-Bus, to Night vision system control module J853	30	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ¹⁾ 752 Ground connection 3 on right A-pillar ²⁾
9		20	FlexRay-Bus, to Night vision system control module J853	31	
10		21		32	Terminal 30, from Fuse Panel C SC
11		22			

¹⁾ Left-Hand Drive

2) Right-hand drive

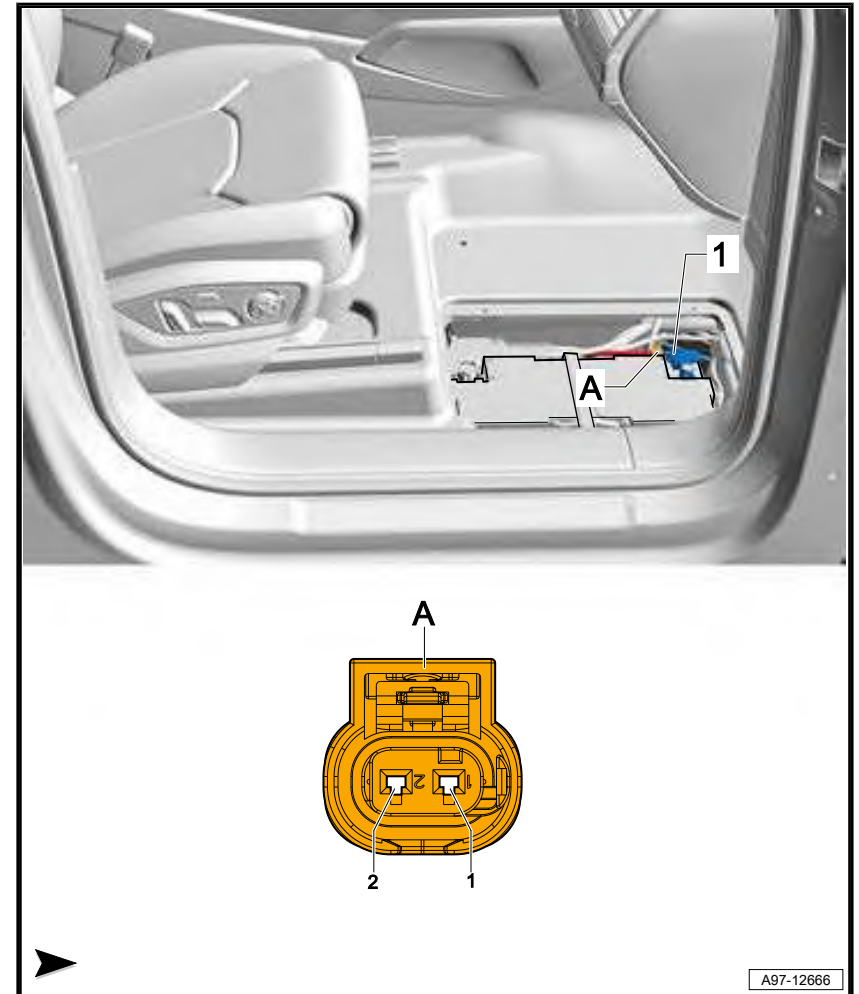
1.10 Battery Monitoring Control Module J367

- ◆ ⇒ [“1.10.1 Battery Monitoring Control Module J367 , location”, page 31](#)
- ◆ ⇒ [“1.10.2 Battery Monitoring Control Module J367 , connector views”, page 33](#)

1.10.1 Battery Monitoring Control Module -J367- , location

1 - Battery Monitoring Control Module -J367-

A - Double Connector -T2ct- , black



1.10.2 Battery Monitoring Control Module -J367- , connector views

Double Connector -T2ct-



T2ct (A)	Designation
1	LIN-Bus, to B699 LIN-Bus Connection 4 (in main wiring harness)
2	Terminal 30, from B299 Positive connection 3 (30) in main wiring harness

1.11 Driver's Door Control Module J386

- ◆ ⇒ ["1.11.1 Driver's Door Control Module J386 , location", page 33](#)
- ◆ ⇒ ["1.11.2 Driver's Door Control Module J386 , connector views, T32c, T16e", page 35](#)
- ◆ ⇒ ["1.11.3 Driver's Door Control Module J386 , connector views, T20h, T6aq", page 37](#)

1.11.1 Driver's Door Control Module -J386- , location

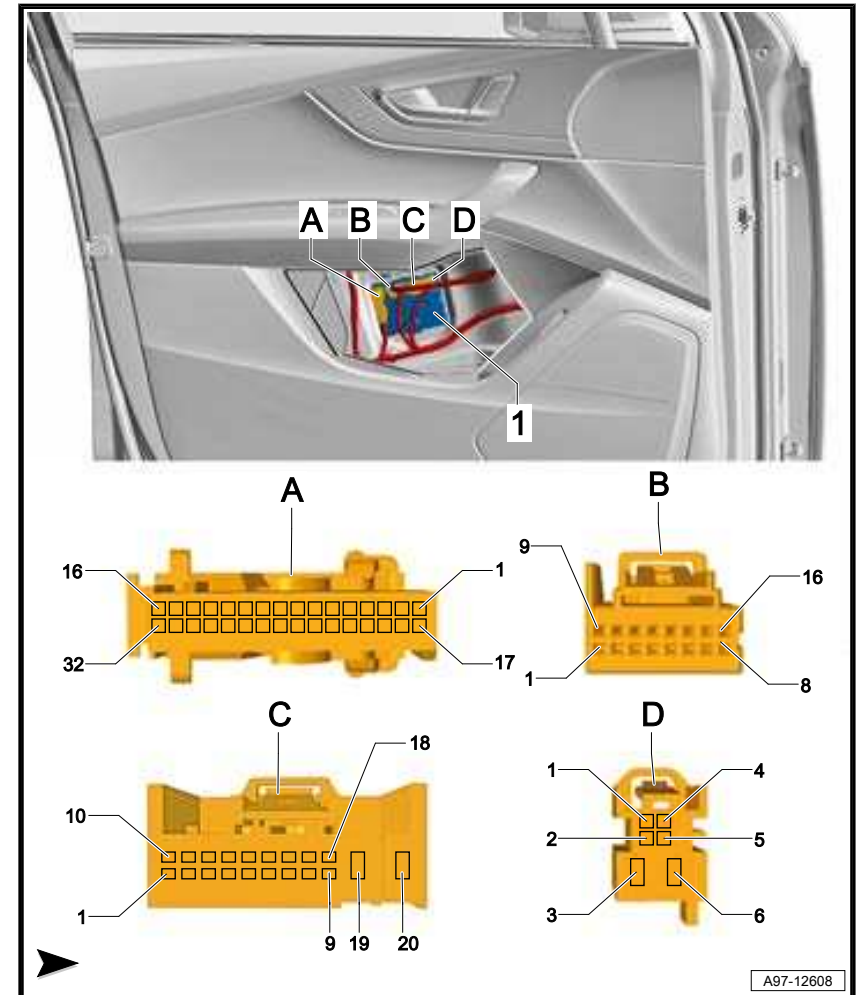
1 - Driver's Door Control Module -J386-

A - 32-Pin Connector -T32c- , blue

B - 16-Pin Connector -T16e- , black

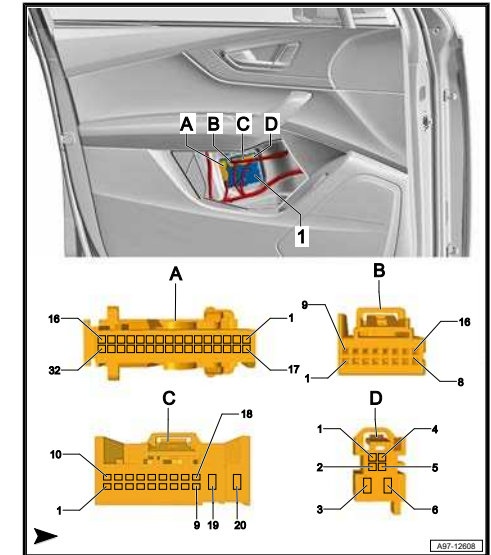
C - 20-Pin Connector -T20h- , white

D - 6-Pin Connector -T6aq- , black



1.11.2 Driver's Door Control Module -J386- , connector views, T32c, T16e

32-Pin Connector -T32c- / 16-Pin Connector -T16e-



T32c (A)	Designation	T16e (B)	Designation
1	Central Locking -SAFE- Indicator Lamp K133	1	
2		2	Driver's Automatic Day/Night Outside Mirror Y20
3	Driver side interior door handle illumination lamp L219	3	Driver's Exterior Mirror Turn Signal Lamp L131/Heated driver exterior rearview mirror Z4
4	Terminal 58s, to R52 Connection (58s) (in driver's door wiring harness)	4	Ground supply Driver exterior rearview mirror horizontal position sensorG514/Driver exterior rearview mirror vertical position sensorG515/Lane Change Assistance Warning Lamp (in driver's exterior mirror) K233
5	Ground supply, to 267 Ground connection 2 (in driver door wiring harness)	5	Driver mirror adjustment motor V17/Driver mirror adjustment motor V149
6	Driver exit warning lamp W111	6	Driver's Automatic Day/Night Outside Mirror Y20
7		7	Driver mirror adjustment motor V17
8	to R97 Connection 4 (in driver door wiring harness) ¹⁾ /Lamp for driver side door speaker trimL223 ²⁾	8	Driver mirror adjustment motor V149
9		9	Driver's Mirror Fold-in Motor V121
10	Passenger Compartment Monitoring and Vehicle Inclination Button E616	10	Driver's Mirror Fold-in Motor V121
11	Window Regulator Control Head (in driver's door) E512 Right child safety lock -activated- indicator lamp K272	11	Driver's Exterior Mirror Turn Signal Lamp L131
12	Window Regulator Control Head (in driver's door) E512 Left child safety lock -activated- indicator lamp K271	12	Lane Change Assistance Warning Lamp (in driver's exterior mirror) K233

T32c (A)	Designation	T16e (B)	Designation
13	Driver interior locking button E308	13	Driver exterior rearview mirror horizontal position sensor G514
14		14	Driver exterior rearview mirror horizontal position sensor G514/Driver exterior rearview mirror vertical position sensor G515
15	Driver's Seat Memory Program Control E464 Driver Seat Memory Button E283	15	Driver's Heated Outside Mirror Z4
16	Driver's Door Warning Light W30/Driver side entry lamp W92	16	Driver exterior rearview mirror vertical position sensor G515
17	Driver's Seat Memory Program Control E464		
18			
19	Driver's Seat Memory Program Control E464 Memory seat position 1 button in driver's door E218/Memory seat position 2 button in driver's door E219		
20	Passenger Compartment Monitoring and Vehicle Inclination Button E616		
21			
22			
23	Rear Lid Remote Control Lock Switch E233		
24	Mirror Adjustment Switch E43		
25	Mirror Selector Switch E48		
26			
27	Window Regulator Control Head (in driver's door) E512		
28	Driver interior locking button E308/Fuel filler door release button E319 ³⁾		
29	Window Regulator Control Head (in driver's door) E512 Passenger side rear power window button in driver door E714		
30	Window Regulator Control Head (in driver's door) E512 Driver side rear power window button in driver door E712		
31	Window Regulator Control Head (in driver's door) E512 Front passenger power window button in driver door E715		
32	Window Regulator Control Head (in driver's door) E512 Driver power window button E710		

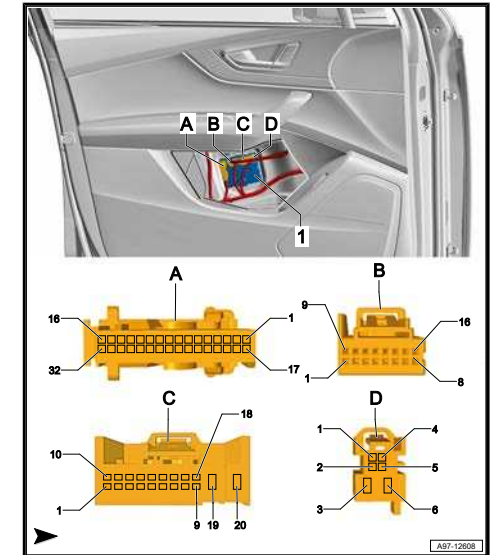
1) Models with additional lights only

2) Models without additional lights only

3) Only models with high-voltage system (0K3)

1.11.3 Driver's Door Control Module -J386- , connector views, T20h, T6aq

20-Pin Connector -T20h- / 6-Pin Connector -T6aq-



T20h (C)	Designation	T6aq (D)	Designation
1	Driver's Door Central Locking Lock Unit F220	1	
2	Driver's Door Central Locking Lock Unit F220	2	
3	Left front exterior door handle illumination bulb L162	3	Driver's Window Regulator Motor V147
4	Driver's Door Central Locking Lock Unit F220	4	
5	Driver's Door Central Locking Lock Unit F220	5	Driver Door Closing Assist Motor V302
6	Driver's Door Central Locking Lock Unit F220	6	Driver's Window Regulator Motor V147
7	Driver Door Closing Assist Motor V302		
8			
9			
10	LIN-Bus, to Driver side rear door control module J926		
11	Driver's Door Central Locking Lock Unit F220 Driver's Door Central Locking (Safe) Motor V161/Driver side central locking motor V503		
12	Driver's Door Central Locking Lock Unit F220 Driver's Door Central Locking (Safe) Motor V161		
13	Driver's Door Central Locking Lock Unit F220 Driver side central locking motor V503		
14	Comfort System CAN-Bus Low, to B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)		

T20h (C)	Designation		T6aq (D)	Designation
15	Comfort System CAN-Bus High, to B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)			
16	Driver side sill panel strip ambient lighting lamp W102			
17				
18				
19	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB			
20	Terminal 31, to 645 Ground Connection 1 on bulkhead			

1.12 Front Passenger's Door Control Module J387

- ◆ ⇒ ["1.12.1 Front Passenger's Door Control Module J387 , location", page 38](#)
- ◆ ⇒ ["1.12.2 Front Passenger's Door Control Module J387 , connector views, T32d, T16f", page 40](#)
- ◆ ⇒ ["1.12.3 Front Passenger's Door Control Module J387 , connector views, T20i, T6ar", page 42](#)

1.12.1 Front Passenger's Door Control Module -J387- , location

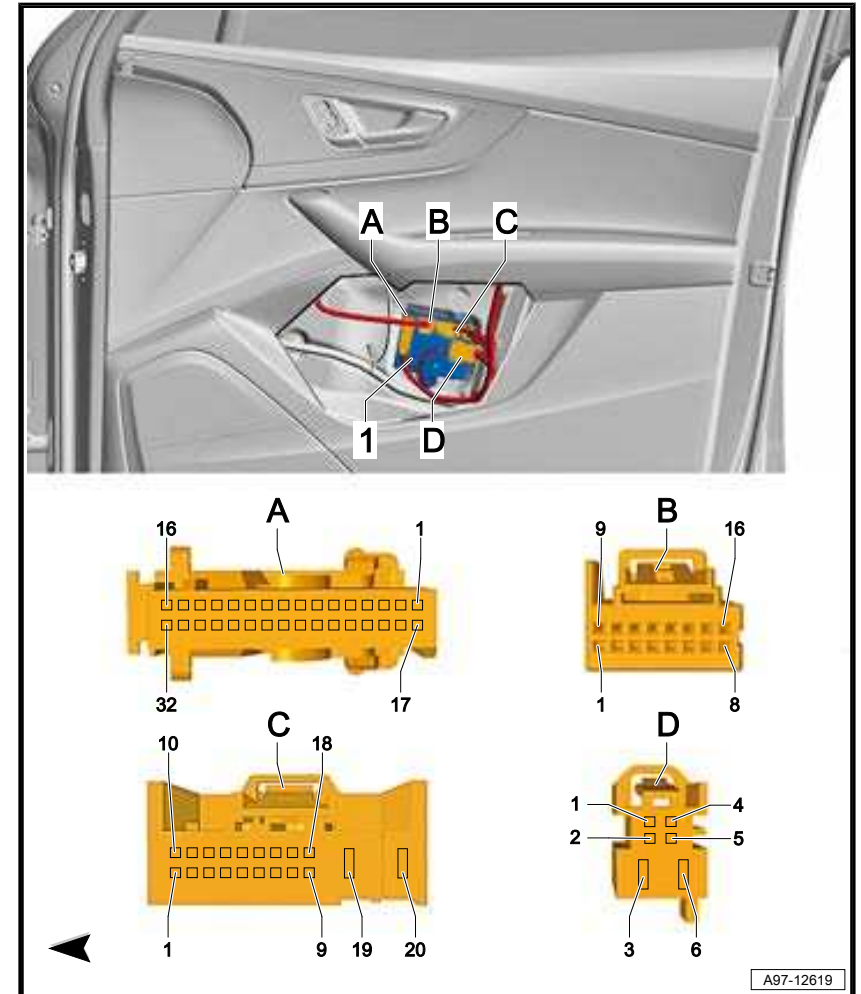
1 - Front Passenger's Door Control Module -J387-

A - 32-Pin Connector -T32d- , blue

B - 16-Pin Connector -T16f- , black

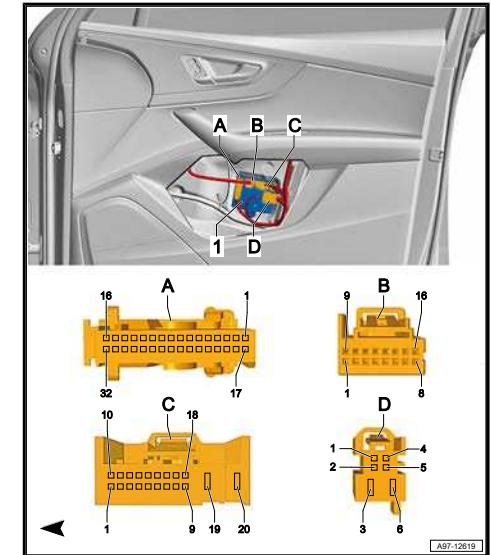
C - 20-Pin Connector -T20i- , white

D - 6-Pin Connector -T6ar- , black



1.12.2 Front Passenger's Door Control Module -J387- , connector views, T32d, T16f

32-Pin Connector -T32d- / 16-Pin Connector -T16f-



T32d (A)	Designation	T16f (B)	Designation
1		1	
2		2	Front Passenger's Automatic Day/Night Outside Mirror Y21
3	Passenger side interior door handle illumination lamp L220	3	Front Passenger's Exterior Mirror Turn Signal Lamp L132/Heated front passenger exterior rearview mirror Z5
4	Terminal 58s, to R53 Connection 58s (in front passenger door wiring harness)	4	Ground supply Front passenger exterior rearview mirror horizontal position sensorG516/Front passenger exterior rearview mirror vertical position sensorG517/Lane change assistance warning lamp in front passenger exterior rearview mirror K234
5	Ground, to 268 Ground connection 2 (in front passenger door wiring harness)	5	Front passenger side mirror adjustment motor V25/Front passenger mirror adjustment motor V150
6	Front passenger exit warning lamp W112	6	Front Passenger's Automatic Day/Night Outside Mirror Y21
7		7	Front passenger side mirror adjustment motor V25
8	to R99 Connection 2 (in front passenger door wiring harness) ¹⁾ / Lamp for passenger side door speaker trim L224 ²⁾	8	Front passenger side mirror adjustment motor V150
9		9	Front Passenger's Mirror Fold-in Motor V122
10		10	Front Passenger's Mirror Fold-in Motor V122
11		11	Front Passenger's Exterior Mirror Turn Signal Lamp L132
12		12	Lane Change Assistance Warning Lamp (in front passenger's exterior mirror) K234
13	Front Passenger's Interior Locking Button E309	13	Front Passenger's Exterior Mirror Horizontal Position Sensor G516

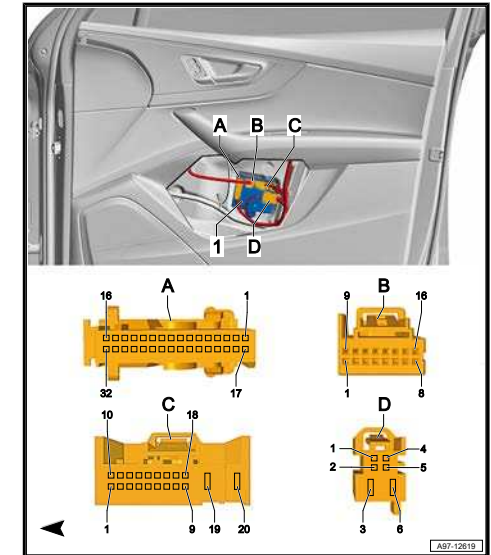
T32d (A)	Designation		T16f (B)	Designation
14			14	Front Passenger's Exterior Mirror Horizontal Position Sensor G516/ Front passenger exterior rearview mirror vertical position sensor G517
15	Front passenger seat memory settings control head E465 Front Passenger Seat Memory Button E340		15	Front Passenger's Heated Outside Mirror Z5
16	Front Passenger's Door Warning Light W36/Passenger side entry lamp W93		16	Front passenger exterior rearview mirror vertical position sensor G517
17	Front passenger seat memory settings control head E465			
18				
19	Front passenger seat memory settings control head E465 Memory seat position 1 button in front passenger door E513/Memory seat position 2 button in front passenger door E514			
20				
21				
22				
23				
24				
25				
26				
27				
28	Front Passenger's Interior Locking Button E309			
29				
30				
31				
32	Front passenger power window button E716			

1) Models with additional lights only

2) Models without additional lights only

1.12.3 Front Passenger's Door Control Module -J387- , connector views, T20i, T6ar

20-Pin Connector -T20i- / 6-Pin Connector -T6ar-



T20i (C)	Designation	T6ar (D)	Designation
1		1	
2	Front Passenger's Door Central Locking Lock Unit F221	2	
3	Right Front Outside Door Handle Illumination L163	3	Front Passenger's Window Regulator Motor V148
4	Front Passenger's Door Central Locking Lock Unit F221	4	
5	Front Passenger's Door Central Locking Lock Unit F221	5	Front Passenger Closing Assist Motor V303
6	Front Passenger's Door Central Locking Lock Unit F221	6	Front Passenger's Window Regulator Motor V148
7	Front Passenger Closing Assist Motor V303		
8			
9			
10	LIN-Bus, to Passenger side rear door control module J927		
11	Front Passenger's Door Central Locking Lock Unit F221 Front Passenger's Central Locking (Safe) Motor V162/Front passenger side central locking motor V504		
12	Front Passenger's Door Central Locking Lock Unit F221 Front Passenger's Central Locking (Safe) Motor V162		
13	Front Passenger's Door Central Locking Lock Unit F221 Front passenger side central locking motor V504		
14	Comfort System CAN-Bus Low, to B411 Comfort System CAN-Bus Low Connection 6 (in main wiring harness)		

T20i (C)	Designation		T6ar (D)	Designation
15	Comfort System CAN-Bus High, to B402 Comfort System CAN-Bus High Connection 6 (in main wiring harness)			
16	Front passenger side sill panel strip ambient lighting lamp W103			
17				
18				
19	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB			
20	Terminal 31, to 638 Ground Connection (on right A-pillar)			

1.13 Rear fresh air blower control module J391

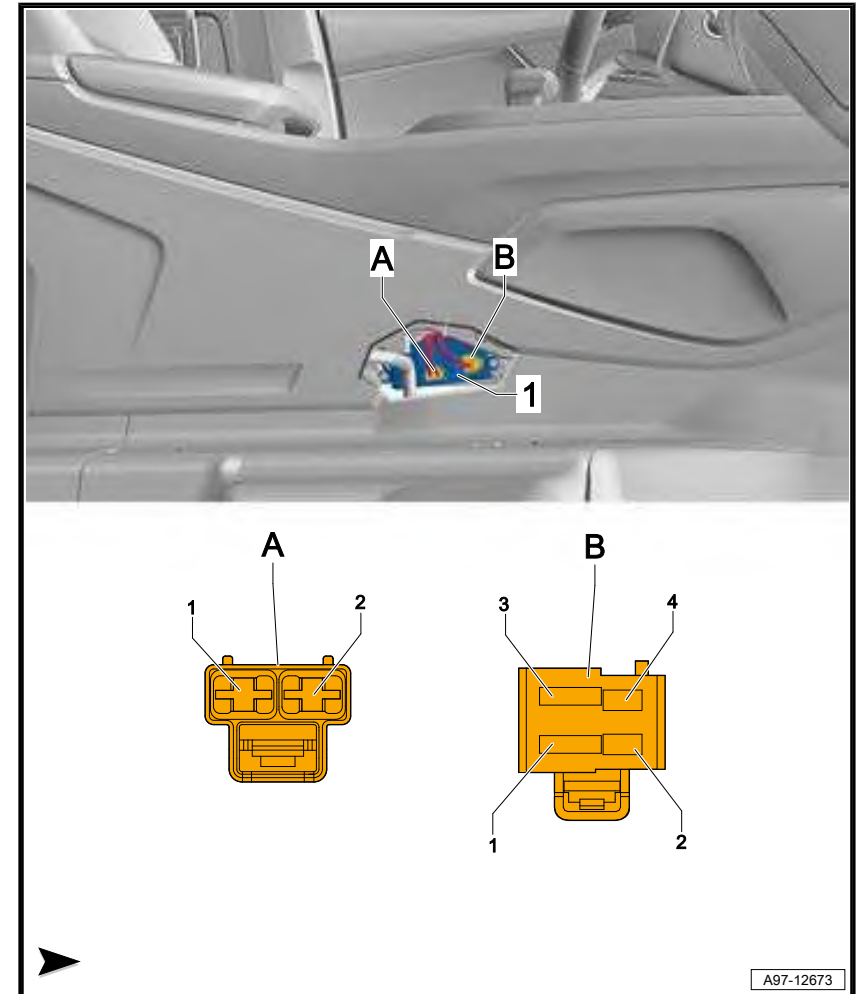
- ◆ ⇒ [“1.13.1 Rear fresh air blower control module J391 , location”, page 43](#)
- ◆ ⇒ [“1.13.2 Rear fresh air blower control module J391 , connector views”, page 45](#)

1.13.1 Rear fresh air blower control module -J391- , location

1 - Rear Fresh Air Blower Control Module -J391-

A - 4-Pin Connector -T4dz- , black

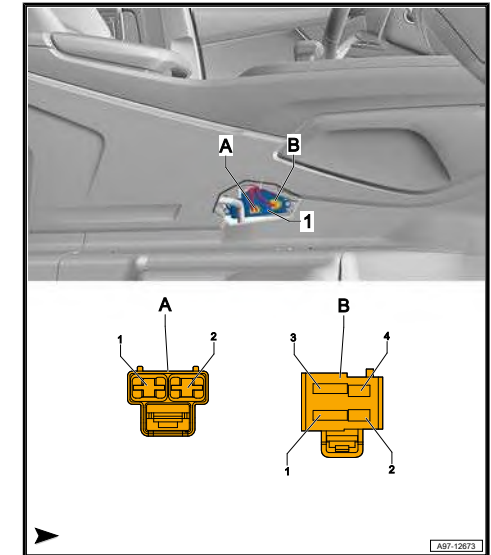
B - Double Connector -T2-



A97-12673

1.13.2 Rear fresh air blower control module -J391- , connector views

4-Pin Connector -T4dz-



T4dz (A)	Designation
1	Terminal 31, to 688 Ground Connection 2 (on Center Tunnel)
2	
3	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF
4	LIN-Bus, to B698 LIN-Bus Connection 3 (in main wiring harness)

1.14 Multi-function Steering Wheel Control Module J453

- ◆ ⇒ [“1.14.1 Multi-function Steering Wheel Control Module J453 , location”, page 45](#)
- ◆ ⇒ [“1.14.2 Multi-function Steering Wheel Control Module J453 , connector views”, page 47](#)

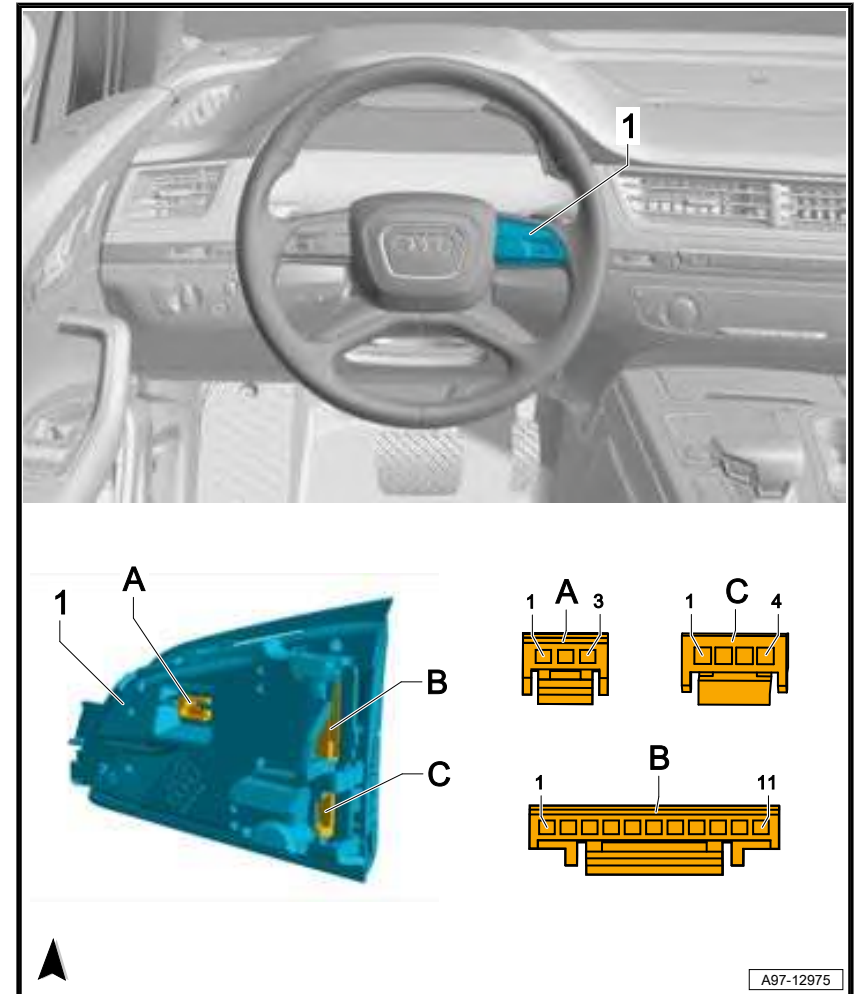
1.14.1 Multi-function Steering Wheel Control Module -J453- , location

1 - Multi-function Steering Wheel Control Module -J453-

A - 3-Pin Connector -T3- , black

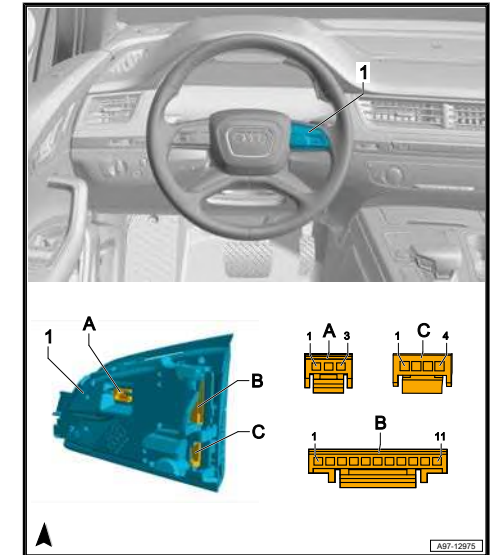
B - 11-Pin Connector -T11- , black

C - 4-Pin Connector -T4bd- , black



1.14.2 Multi-function Steering Wheel Control Module -J453- , connector views

4-Pin Connector -T4bd-



T4bd (C)	Designation
1	LIN-Bus, from Spiral Spring F350
2	Terminal 30, from Spiral Spring F350
3	Terminal 31, from Spiral Spring F350
4	Signal Horn Activation H

1.15 Windshield defogger control module J505

♦ ⇒ ["1.15.1 Windshield defogger control module J505 , location", page 47](#)

♦ ⇒ ["1.15.2 Windshield defogger control module J505 , connector views", page 49](#)

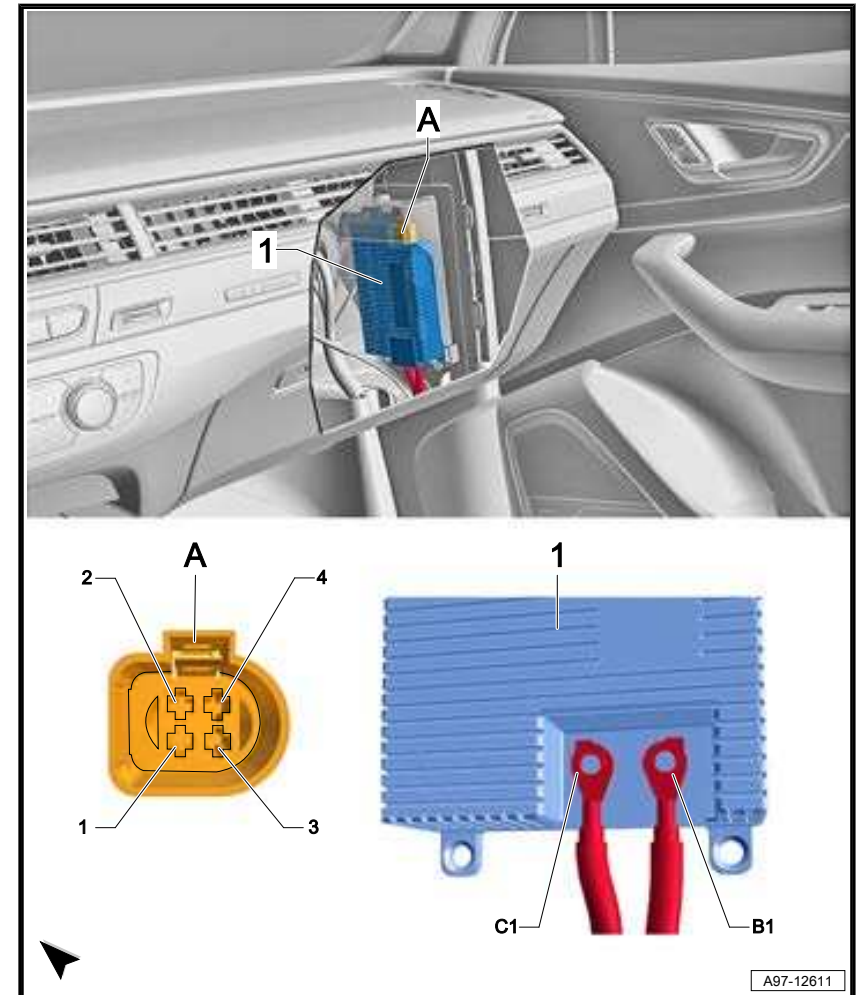
1.15.1 Windshield defogger control module -J505- , location

1 - Heated Windshield Control Module -J505-

A - 4-Pin Connector -T4i- , black

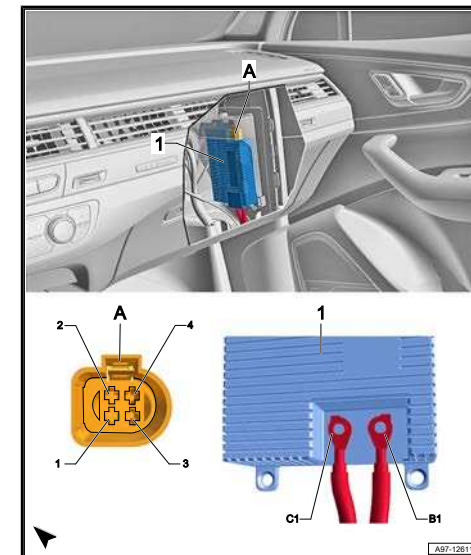
B1 - Terminal 30

C1 - Terminal 31



1.15.2 Windshield defogger control module -J505- , connector views

4-Pin Connector -T4i-



T4i (A)	Designation
1	Heated Windshield Z2
2	Heated Windshield Z2
3	Terminal 30, from B299 Positive connection 3 (30) in main wiring harness
4	LIN-Bus, from Comfort system central control module J393

1.16 Vehicle Electrical System Control Module J519

♦ ⇒ ["1.16.1 Vehicle Electrical System Control Module J519 , location", page 49](#)

♦ ⇒ ["1.16.2 Vehicle Electrical System Control Module J519 , connector views", page 51](#)

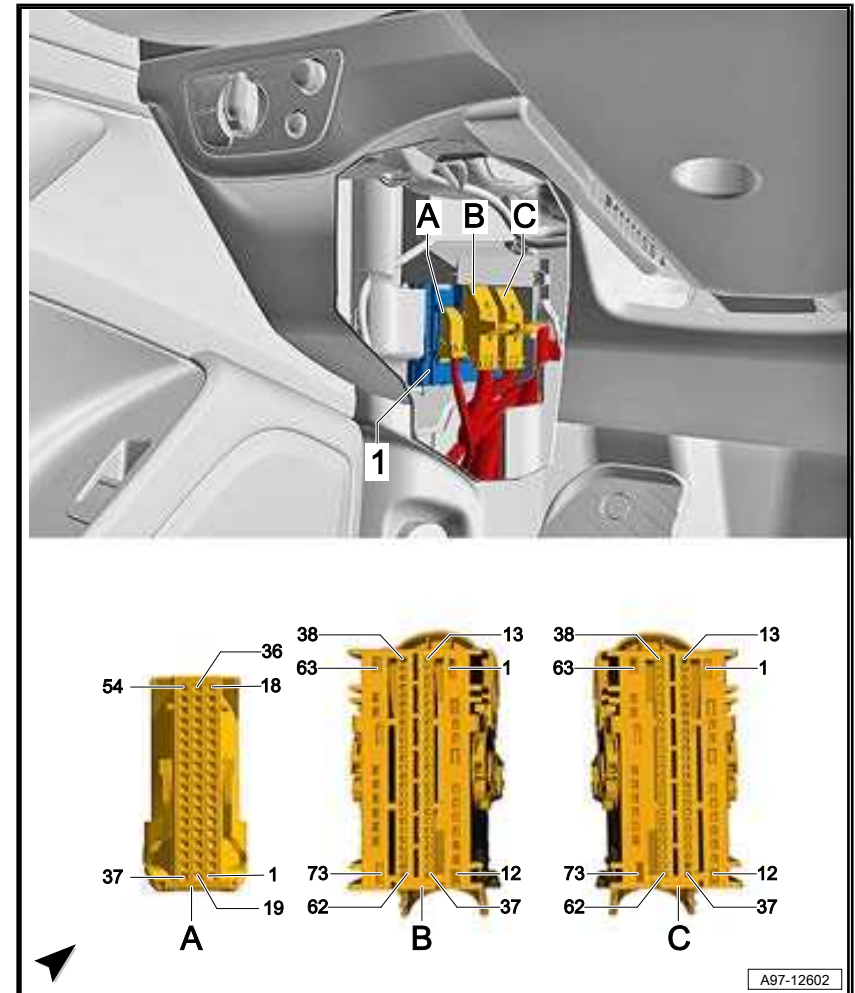
1.16.1 Vehicle Electrical System Control Module -J519- , location

1 - Vehicle Electrical System Control Module -J519-

A - 54-Pin Connector -T54b- , black

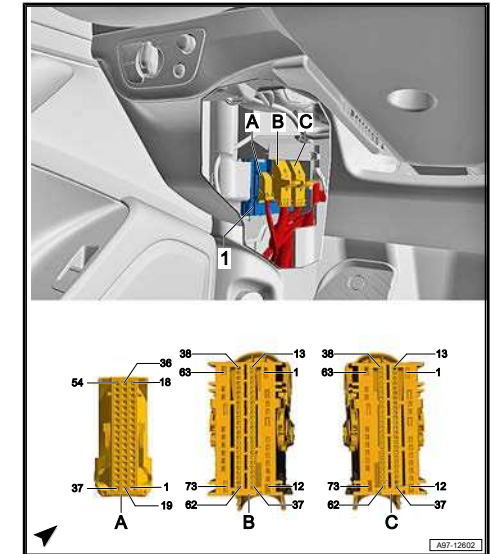
B - 73-Pin Connector -T73a- , black

C - 73-Pin Connector -T73b- , black



1.16.2 Vehicle Electrical System Control Module -J519- , connector views

54-Pin Connector -T54b- / 73-Pin Connector -T73a- / 73-Pin
Connector -T73b-



T54b (A)	Designation	T73a (B)	Designation	T73b (C)	Designation
1	Access/start authorization button E408	1	12 V Sockets U5/U19U18// U20	1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB
2	Right Front Footwell Illumination L152	2	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB	2	Headlamp Washer Pump V11
3	Left Front Footwell Illumination L151	3		3	Windshield Washer Pump V5/Rear window wiper motor V12
4		4		4	Windshield Washer Pump V5/Rear window wiper motor V12
5		5		5	High Tone Horn H2/Low tone horn H7
6		6		6	
7		7	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	7	
8		8	A/C clutch N25	8	
9		9		9	Washer Nozzles Heaters Z20/Z21/ Z114
10		10		10	Right front seat heated backrest Z117
11	Ground, to Switch module in instrument panel, center EX22	11	Left Rear Footwell Illumination L106/Right rear footwell illumination bulb L107	11	Front Passenger's Seat Heating Element Z8, Front passenger seat bolster heater Z33, Heated front passenger seat extension Z38
12		12	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB	12	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB
13		13		13	

T54b (A)	Designation	T73a (B)	Designation	T73b (C)	Designation
14		14		14	
15		15		15	
16		16	A/C Compressor Regulator Valve N280	16	Ground supply, to 348 Parking aid ground connection (in front bumper wiring harness)
17		17	-AUTO HOLD- Indicator Lamp K237	17	Ground supply, to 352 Parking aid ground connection (in rear bumper wiring harness)
18	LIN-Bus, to Power adjustable steering column control module J866	18		18	Left Front Parking Aid Sensor G255
19	Front Parking Aid Warning Buzzer H22	19	Terminal 15, to B281 Positive connection 5 (15a) in main wiring harness	19	Positiv supply, to X65 Parking aid connection (in front bumper wiring harness)
20	Front Parking Aid Warning Buzzer H22	20	Left Front Brake Pad Wear Sensor G34	20	Positiv supply, to X68 Parking aid connection (in rear bumper wiring harness)
21		21	Brake Fluid Level Warning Switch F34	21	Right Front Parking Aid Sensor G252
22		22	LIN-Bus, to Wiper motor control module J400	22	Right Front Center Parking Aid Sensor G253
23		23	LIN-Bus, to Rain/light recognition sensorG397	23	Left Front Seat Temperature Sensor G344
24		24	LIN-Bus, to B549 LIN-Bus Connection 2 (in main wiring harness)	24	
25		25	LIN-Bus, to seat blower fans V388/V389/V390/V391	25	Left front seat backrest temperature sensor G806
26		26		26	Right Front Seat Temperature Sensor G345
27		27	LIN-Bus, to B711 LIN-Bus Connection 6 (in main wiring harness)	27	Right front seat backrest temperature sensor G807
28		28	LIN-Bus (ambient illumination), to Instrument panel contour illumination lamp 3 L245	28	
29		29		29	
30	LIN-Bus, to Light switch E1	30	Hood contact switch 2 F329	30	
31		31	Engine hood contact switch F266	31	-AUTO HOLD- Button E540
32		32	Terminal 58s, to B732 Connection 2 (58s) in main wiring harness	32	
33		33		33	
34		34	Terminal 58s, to Roof electronics control module J528	34	
35		35	Rear Parking Aid Warning Buzzer H15	35	

T54b (A)	Designation	T73a (B)	Designation	T73b (C)	Designation
36		36	Positiv supply, to A49 Connection 1 (in instrument panel wiring harness)/A138 Connection 2 (in instrument panel wiring harness)	36	
37	Terminal 58s, to A3 Positive connection (58) (in instrument panel wiring harness)	37		37	
38		38	A/C Compressor Regulator Valve N280	38	
39	Glove Compartment Light W6	39		39	
40		40	Ground supply, to 410 Sensor ground connection 1 (in main wiring harness)	40	Comfort System CAN-Bus High, to B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
41		41		41	Comfort System CAN-Bus Low, to B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
42		42	CAN-Bus Extended Low, to Left front headlampMX1/Driver assistance systems front camera R242 ¹⁾	42	CAN-Bus Extended High, to Right front headlamp MX2
43		43	CAN-Bus Extended High, to Left front headlampMX1/Driver assistance systems front camera R242 ¹⁾	43	CAN-Bus Extended Low, to Right front headlamp MX2
44		44	Windshield Washer Fluid Level Sensor G33	44	
45		45	Engine Coolant Level (ECL) Sensor G32	45	
46		46	Outside Air Temperature Sensor G17	46	Seat Heating Control Module J882
47		47		47	
48		48		48	Left Front Center Parking Aid Sensor G254
49		49		49	
50	LIN-Bus, to Light switch E1	50		50	Right Front Parallel Parking Assistance Sensor, right model side G569
51	LIN-Bus, to Switch module in instrument panel, center EX22	51		51	Left Front Parallel Parking Assistance Sensor, left model side G568
52		52		52	Right Rear Parking Aid Sensor G206
53	LIN-Bus, to instrument panel contour illumination lamp 1 L243	53	Rear Parking Aid Warning Buzzer H15	53	Left Rear Parking Aid Sensor G203
54		54		54	
		55		55	Right Rear Center Parking Aid Sensor G205
		56		56	Left Rear Center Parking Aid Sensor G204
		57		57	Right rear parallel parking assistance sensor G717

T54b (A)	Designation	T73a (B)	Designation	T73b (C)	Designation
		58		58	Left rear parallel parking assistance sensor G716
		59	Supply ambient lighting, to B470 Connection 6 (in main wiring harness)	59	
		60		60	
		61		61	
		62		62	
		63	Terminal 31, to 645 Ground Connection 1 on bulkhead	63	Terminal 31, to 645 Ground Connection 1 on bulkhead
		64	Front Left Headlamp MX1	64	Front Right Headlamp MX2
		65	Front Left Headlamp MX1	65	Front Right Headlamp MX2
		66	Terminal 30, from Fuse Carrier 3ST3 in fuse panel B SB	66	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB
		67	Front Right Headlamp MX2	67	Front Left Headlamp MX1
		68		68	
		69		69	
		70		70	
		71		71	Driver's Seat Heating Element Z6, Driver seat bolster heater Z31, Heated driver seat extension Z37
		72	Vanity mirror lamps W14/ W20	72	Left front seat heated backrest Z116
		73	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB	73	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB

1) Only models with Light Emitting Diode (LED) Headlamps with Matrix-Beam (8G4)

1.17 Steering Column Electronic Systems Control Module J527

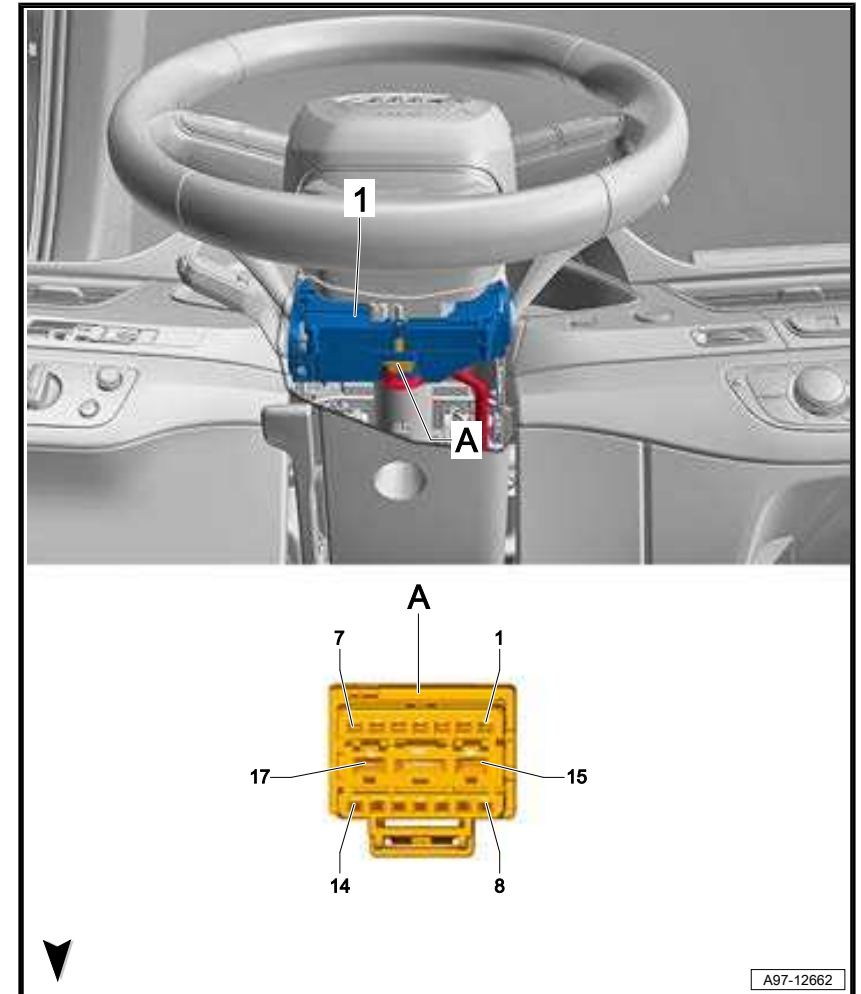
◆ ⇒ ["1.17.1 Steering Column Electronic Systems Control Module J527 , location", page 54](#)

◆ ⇒ ["1.17.2 Steering Column Electronic Systems Control Module J527 , connector views", page 56](#)

1.17.1 Steering Column Electronic Systems Control Module -J527- , location

1 - Steering Column Electronic Systems Control Module -J527-

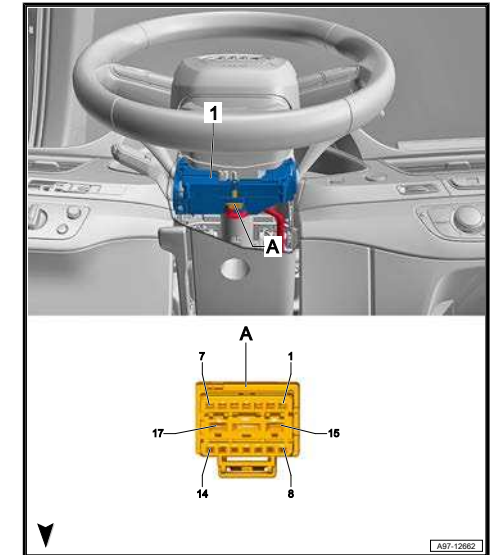
A - 17-Pin Connector -T17e- , yellow



1.17.2 Steering Column Electronic Systems

Control Module -J527- , connector views

17-Pin Connector -T17e-



T17e (A)	Designation		T17e (A)	Designation
1	Terminal 30, from Fuse Panel C SC		10	
2	LIN-Bus, to Data Bus On Board Diagnostic Interface J533		11	Airbag Control Module J234
3	FlexRay-Bus, Data Bus On Board Diagnostic Interface J533 ¹⁾ or Drivetrain control module J775 ²⁾ or Driver assistance systems front camera R242 ³⁾		12	Airbag Control Module J234
4	FlexRay-Bus, Data Bus On Board Diagnostic Interface J533 ¹⁾ or Drivetrain control module J775 ²⁾ or Driver assistance systems front camera R242 ³⁾		13	Airbag Control Module J234
5			14	Airbag Control Module J234
6			15	Terminal 30, from Fuse Panel C SC
7	Engine Control Module (ECM) J623		16	
8			17	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ⁴⁾ 752 Ground connection 3 on right A-pillar ⁵⁾
9				

¹⁾ Only models without Drivetrain control module J775 and without Driver assistance systems front camera R242

²⁾ Only models with Drivetrain control module J775 and without Driver assistance systems front camera R242

³⁾ only models with Driver assistance systems front camera R242

4) Left-Hand Drive

5) Right-hand drive

1.18 Roof electronics control module J528

◆ ⇒ [“1.18.1 Roof electronics control module J528 , location”, page 57](#)

◆ ⇒ [“1.18.2 Roof electronics control module J528 , connector views”, page 59](#)

1.18.1 Roof electronics control module -J528- , location

1 - Roof Electronics Control Module -J528-

A - 6-Pin Connector -T6bc- , black

B - 4-Pin Connector -T4fl- , black

C - 4-Pin Connector -T4bg- , black

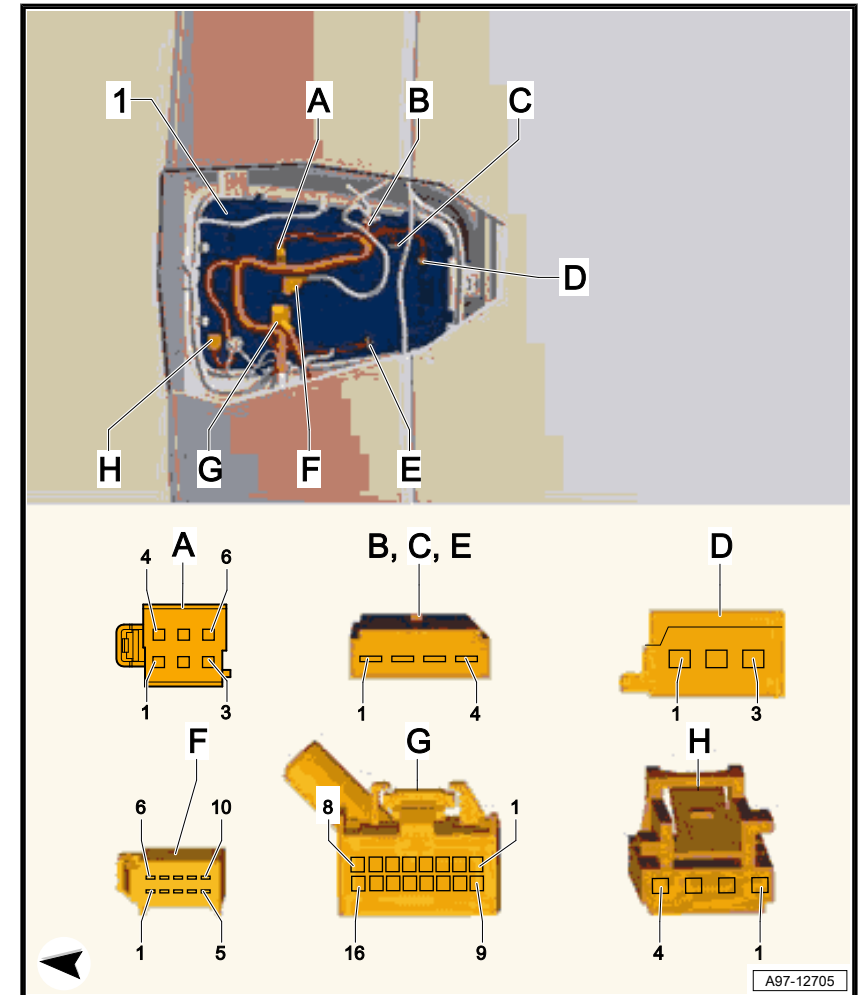
D - 3-Pin Connector -T3ai- , black

E - 4-Pin Connector -T4fh- , red

F - 10-Pin Connector -T10r- , brown

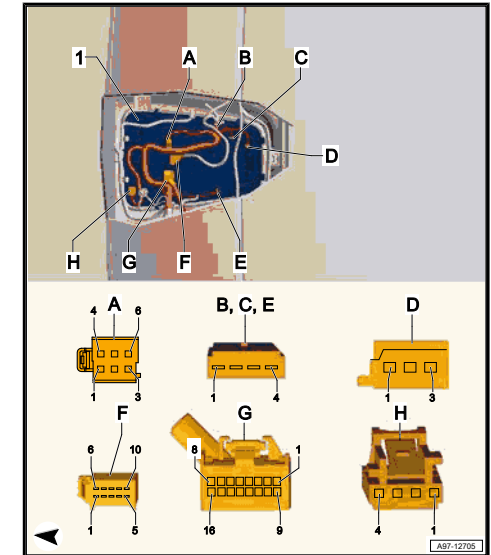
G - 16-Pin Connector -T16p- , brown

H - 4-Pin Connector -T4ed- , black



1.18.2 Roof electronics control module -J528- , connector views

6-Pin Connector -T6bc-



T6bc (A)	Designation
1	
2	Terminal 58s, from Vehicle electrical control module system J519
3	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB
4	
5	Terminal 31, to 689 Ground connection (on center/front roof)
6	LIN-Bus, to B549 LIN-Bus Connection 2 (in main wiring harness)

1.19 Data bus on board diagnostic interface J533

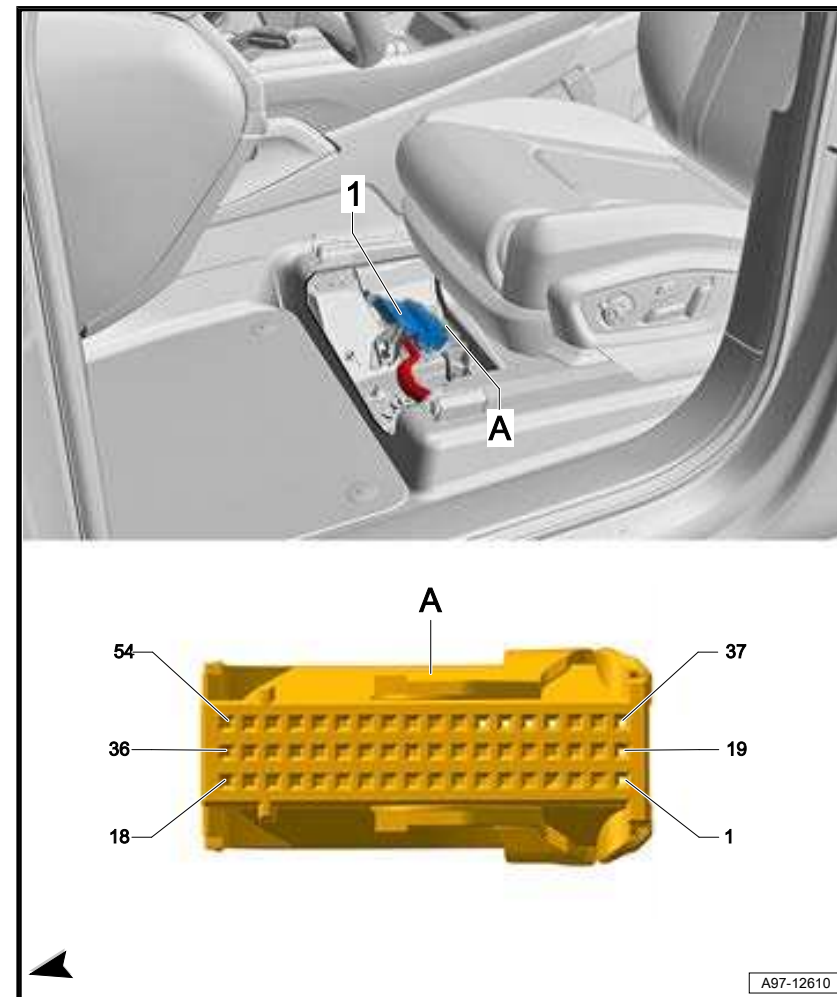
- ◆ ⇒ [“1.19.1 Data bus on board diagnostic interface J533 , location W/O Audi connect emergency call & Service \(IW0\)”, page 60](#)
- ◆ ⇒ [“1.19.2 Data bus on board diagnostic interface J533 , connector views, W/O Audi connect emergency call & Service \(IW0\)”, page 61](#)
- ◆ ⇒ [“1.19.3 Data bus on board diagnostic interface J533 , location, W/ Audi connect emergency call, IW3”, page 62](#)
- ◆ ⇒ [“1.19.4 Data bus on board diagnostic interface J533 , connector views, W/ Audi connect emergency call, IW3, T54c”, page 64](#)

- ◆ ⇒ [“1.19.5 Data bus on board diagnostic interface J533 , connector views, W/ Audi connect emergency call, IW3, T54a”, page 65](#)

1.19.1 Data bus on board diagnostic interface -J533- , location W/O Audi connect emergency call & Service (IW0)

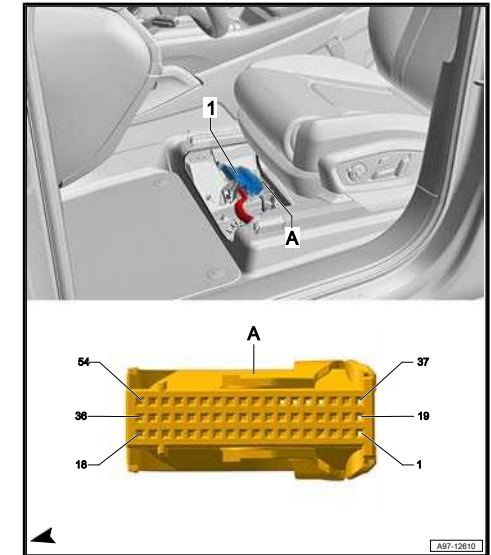
1 - Data Bus On Board Diagnostic Interface -J533-

A - 54-Pin Connector -T54a- , black



1.19.2 Data bus on board diagnostic interface -J533- , connector views, W/O Audi connect emergency call & Service (IW0)

54-Pin Connector -T54a-



T54a (A)	Designation	T54a (A)	Designation	T54a (A)	Designation
1		19		37	
2		20		38	
3	FlexRay-Bus, to Diagnostic connection U31	21	FlexRay-Bus, to Diagnostic connection U31	39	
4	FlexRay-Bus, to Diagnostic connection U31	22	FlexRay-Bus, to Diagnostic connection U31	40	
5	FlexRay-Bus, to All wheel drive control module J492 ¹⁾ Rear axle steering control module J1019 ²⁾	23	FlexRay-Bus, to All wheel drive control module J492 ¹⁾ Rear axle steering control module J1019 ²⁾	41	FlexRay-Bus, from All wheel drive control module J492
6		24		42	FlexRay-Bus, from All wheel drive control module J492
7	FlexRay-Bus, to Distance regulation control module 2 J850	25	FlexRay-Bus, to Distance regulation control module 2 J850	43	
8	FlexRay-Bus, to Airbag control module J234	26	FlexRay-Bus, to Airbag control module J234	44	
9	FlexRay-Bus, to Transmission control module J217	27	FlexRay-Bus, to Transmission control module J217	45	FlexRay-Bus, to Steering column electronics control module J527 ³⁾ or Driver assistance systems front camera R242 ⁴⁾ or Drivetrain control module J775 ⁵⁾

T54a (A)	Designation	T54a (A)	Designation	T54a (A)	Designation
10	FlexRay-Bus, to Engine control module J623	28	FlexRay-Bus, to Engine control module J623	46	FlexRay-Bus, to Steering column electronics control module J527 ³⁾ or Driver assistance systems front camera R242 ⁴⁾ or Drivetrain control module J775 ⁵⁾
11	CAN-Bus powertrain, High to B383 Powertrain CAN-Bus High connection 1 (in main wiring harness)	29	CAN-Bus powertrain, Low to B390 Powertrain CAN-Bus Low connection 1 (in main wiring harness)	47	
12	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)	30	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)	48	CAN-Bus Diagnostic Low to Diagnostic connection U31
13	Infotainment CAN-Bus High to A178 Infotainment CAN bus high connection (in instrument panel wiring harness)	31	Infotainment CAN-Bus Low to A179 Infotainment CAN bus low connection (in instrument panel wiring harness)	49	CAN-Bus Diagnostic High to Diagnostic connection U31
14		32		50	CAN-Bus powertrain, Low to B391 Powertrain CAN-Bus Low connection 2 (in main wiring harness)
15	Comfort System CAN-Bus High, to B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)	33	Comfort System CAN-Bus Low, to B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)	51	CAN-Bus powertrain, High to B384 Powertrain CAN-Bus High connection 2 (in main wiring harness)
16	LIN-Bus, to B699 LIN-Bus Connection 4 (in main wiring harness)	34	LIN-Bus, to Steering column electronics control module J527	52	
17	Terminal 15, from Fuse Carrier 4ST4 in fuse panel B SB	35		53	
18	Terminal 30, from Fuse Carrier 5ST5 in fuse panel B SB	36	Diagnostic connection U31	54	Ground, to 79 Ground connection on left B-pillar

1) Only models with All wheel drive control module J492

2) Only models without All wheel drive control module J492

3) Only models without Drivetrain control module J775 and without Driver assistance systems front camera R242

4) Only models without Drivetrain control module J775 and with Driver assistance systems front camera R242

5) Only models with Drivetrain control module J775

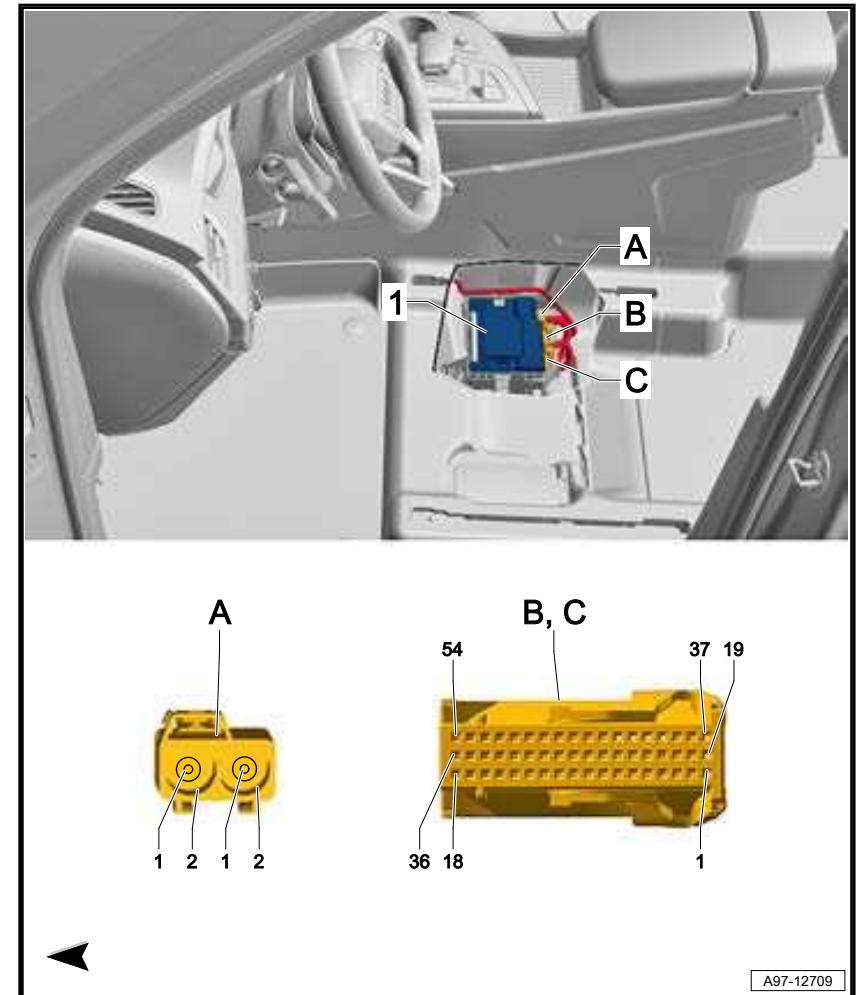
1.19.3 Data bus on board diagnostic interface -J533- , location, W/ Audi connect emergency call, IW3

1 - Data Bus On Board Diagnostic Interface -J533-

A - 4-Pin Connector -T4fg- , heather violet

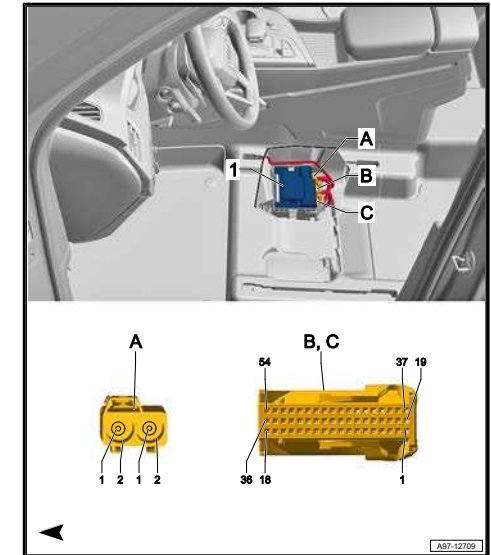
B - 54-Pin Connector -T54c- , blue

C - 54-Pin Connector -T54a- , black



1.19.4 Data bus on board diagnostic interface -J533- , connector views, W/ Audi connect emergency call, IW3, T54c

54-Pin Connector -T54c-

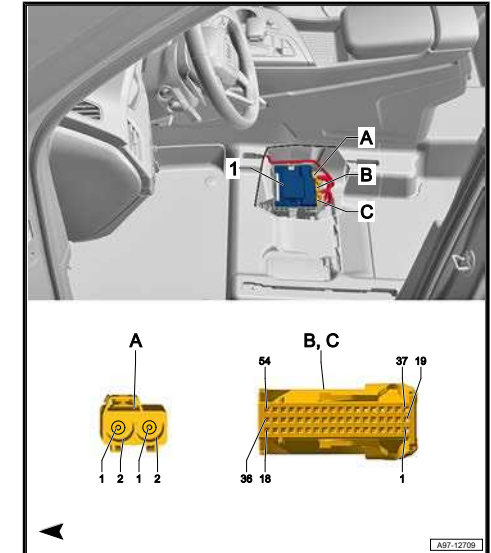


T54c (B)	Designation	T54c (B)	Designation	T54c (B)	Designation
1		19		37	
2	Special Signals Speaker R80	20		38	
3	Special Signals Speaker R80	21		39	
4		22		40	
5	Control Module for Information Electronics 1 J794	23		41	
6	Control Module for Information Electronics 1 J794	24		42	
7		25		43	
8		26		44	
9	Left Front Microphone R140	27		45	
10	Left Front Microphone R140	28		46	
11	Control Module for Information Electronics 1 J794	29		47	
12	Control Module for Information Electronics 1 J794	30		48	
13	Control Module for Information Electronics 1 J794	31		49	
14	Airbag Control Module J234	32		50	
15		33		51	

T54c (B)	Designation	T54c (B)	Designation	T54c (B)	Designation
16		34		52	
17		35		53	
18		36		54	Ground-shielding

1.19.5 Data bus on board diagnostic interface -J533- , connector views, W/ Audi connect emergency call, IW3, T54a

54-Pin Connector -T54a-



T54a (A)	Designation	T54a (A)	Designation	T54a (A)	Designation
1		19		37	
2		20		38	
3	FlexRay-Bus, to Diagnostic connection U31	21	FlexRay-Bus, to Diagnostic connection U31	39	
4	FlexRay-Bus, to Diagnostic connection U31	22	FlexRay-Bus, to Diagnostic connection U31	40	
5	FlexRay-Bus, to All wheel drive control module J492 ¹⁾ Rear axle steering control module J1019 ²⁾	23	FlexRay-Bus, to All wheel drive control module J492 ¹⁾ Rear axle steering control module J1019 ²⁾	41	FlexRay-Bus, from All wheel drive control module J492
6		24		42	FlexRay-Bus, from All wheel drive control module J492
7	FlexRay-Bus, to Distance regulation control module 2 J850	25	FlexRay-Bus, to Distance regulation control module 2 J850	43	
8	FlexRay-Bus, to Airbag control module J234	26	FlexRay-Bus, to Airbag control module J234	44	

T54a (A)	Designation	T54a (A)	Designation	T54a (A)	Designation
9	FlexRay-Bus, to Transmission control module J217	27	FlexRay-Bus, to Transmission control module Transmission control module J217	45	FlexRay-Bus, to Steering column electronics control module J527 ³⁾ or Driver assistance systems front camera R242 ⁴⁾ or Drivetrain control module J775 ⁵⁾
10	FlexRay-Bus, to Engine control module J623	28	FlexRay-Bus, to Engine control module J623	46	FlexRay-Bus, to Steering column electronics control module J527 ³⁾ or Driver assistance systems front camera R242 ⁴⁾ or Drivetrain control module J775 ⁵⁾
11	CAN-Bus powertrain, High to B383 Powertrain CAN-Bus High connection 1 (in main wiring harness)	29	CAN-Bus powertrain, Low to B390 Powertrain CAN-Bus Low connection 1 (in main wiring harness)	47	
12	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)	30	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)	48	CAN-Bus Diagnostic Low to Diagnostic connection U31
13	Infotainment CAN-Bus High to A178 Infotainment CAN bus high connection (in instrument panel wiring harness)	31	Infotainment CAN-Bus Low to A179 Infotainment CAN bus low connection (in instrument panel wiring harness)	49	CAN-Bus Diagnostic High to Diagnostic connection U31
14		32		50	CAN-Bus powertrain, Low to B391 Powertrain CAN-Bus Low connection 2 (in main wiring harness)
15	Comfort System CAN-Bus High, to B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)	33	Comfort System CAN-Bus Low, to B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)	51	CAN-Bus powertrain, High to B384 Powertrain CAN-Bus High connection 2 (in main wiring harness)
16	LIN-Bus, to B699 LIN-Bus Connection 4 (in main wiring harness)	34	LIN-Bus, to Steering column electronics control module J527	52	
17	Terminal 15, from Fuse Carrier 4ST4 in fuse panel B SB	35		53	
18	Terminal 30, from Fuse Carrier 5ST5 in fuse panel B SB	36	Diagnostic connection U31	54	Ground, to 79 Ground connection on left B-pillar

1) Only models with All wheel drive control module J492

2) Only models without All wheel drive control module J492

3) Only models without Drivetrain control module J775 and without Driver assistance systems front camera R242

4) Only models without Drivetrain control module J775 and with Driver assistance systems front camera R242

5) Only models with Drivetrain control module J775

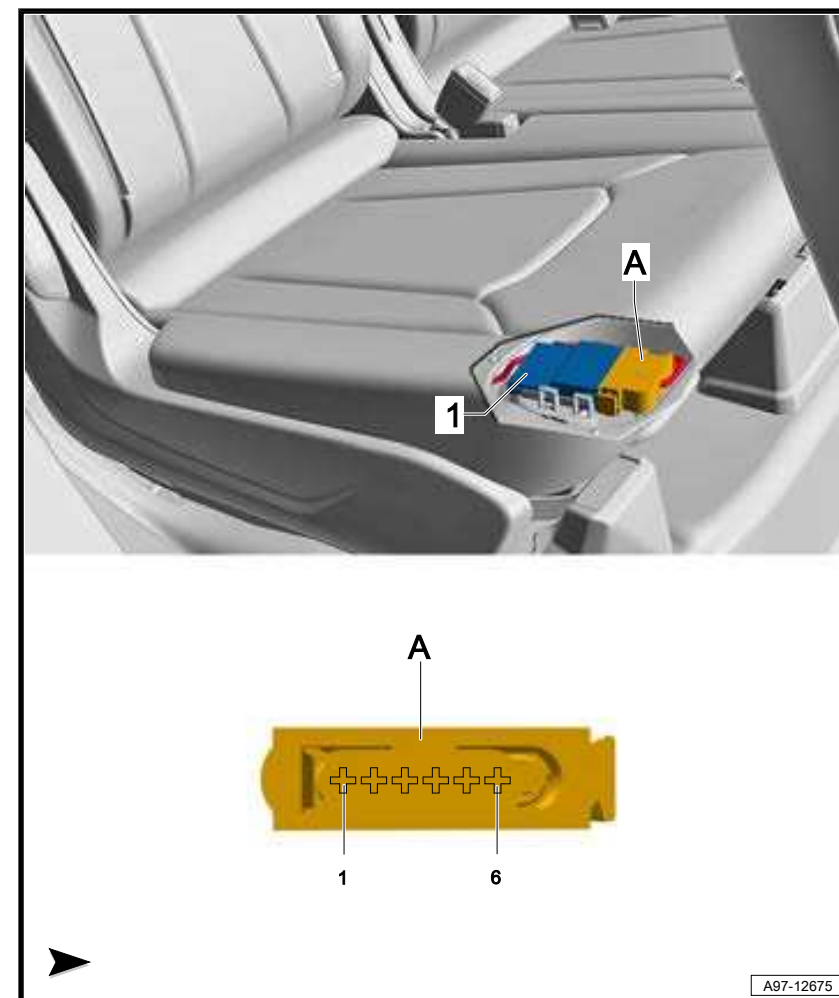
1.20 Fuel Pump (FP) Control Module J538

- ◆ ⇒ [“1.20.1 Fuel Pump \(FP\) Control Module J538 , location”, page 67](#)
- ◆ ⇒ [“1.20.2 Fuel Pump \(FP\) Control Module J538 , connector views”, page 68](#)

1.20.1 Fuel Pump (FP) Control Module -J538- , location

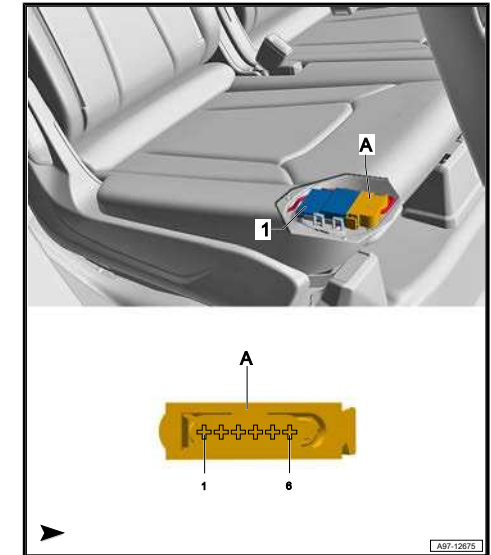
1 - Fuel Pump (FP) Control Module -J538-

A - 6-Pin Connector -T6s- , black



1.20.2 Fuel Pump (FP) Control Module -J538- , connector views

6-Pin Connector -T6s-



T6s (A)	Designation
1	Transfer Fuel Pump (FP) G6
2	Transfer Fuel Pump (FP) G6
3	Transfer Fuel Pump (FP) G6
4	Terminal 31, to 62 Ground Connection (on right C-pillar)
5	Terminal 87, from Fuse Carrier 1 ST1 in fuse panel B SB
6	Engine Control Module (ECM) J623

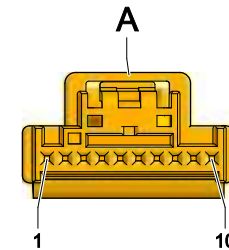
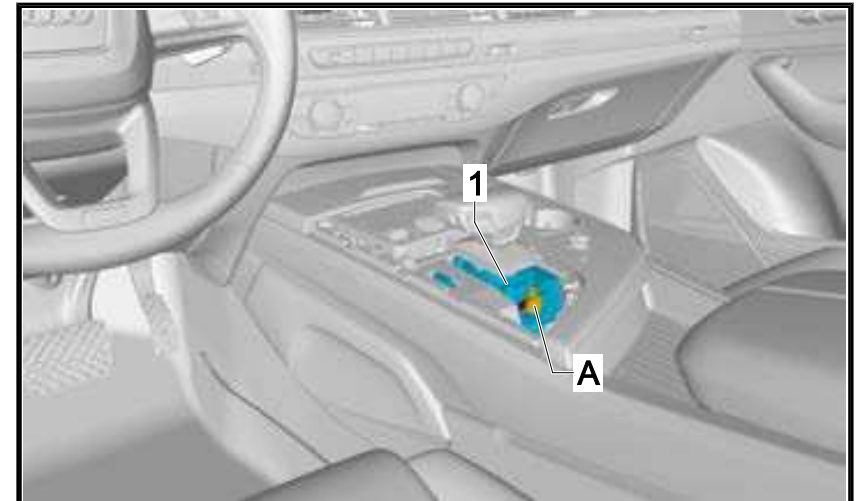
1.21 Selector Lever Sensor Control Module J587

- ◆ ⇒ ["1.21.1 Selector Lever Sensor Control Module J587 , location", page 68](#)
- ◆ ⇒ ["1.21.2 Selector Lever Sensor Control Module J587 , connector views", page 70](#)

1.21.1 Selector Lever Sensor Control Module -J587- , location

1 - Selector Lever Sensor Control Module -J587-

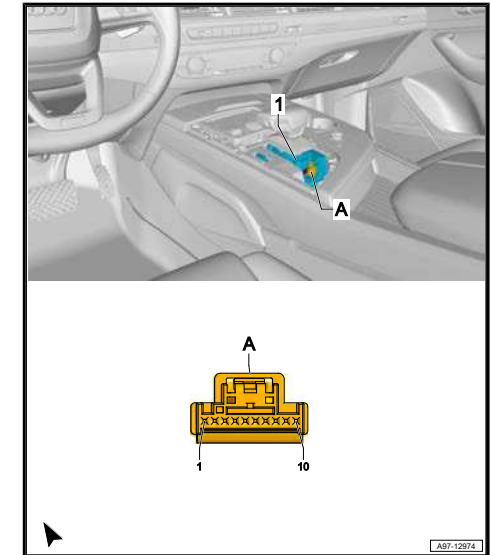
A - 10-Pin Connector -T10i- , black



A97-12974

1.21.2 Selector Lever Sensor Control Module -J587- , connector views

10-Pin Connector -T10i-



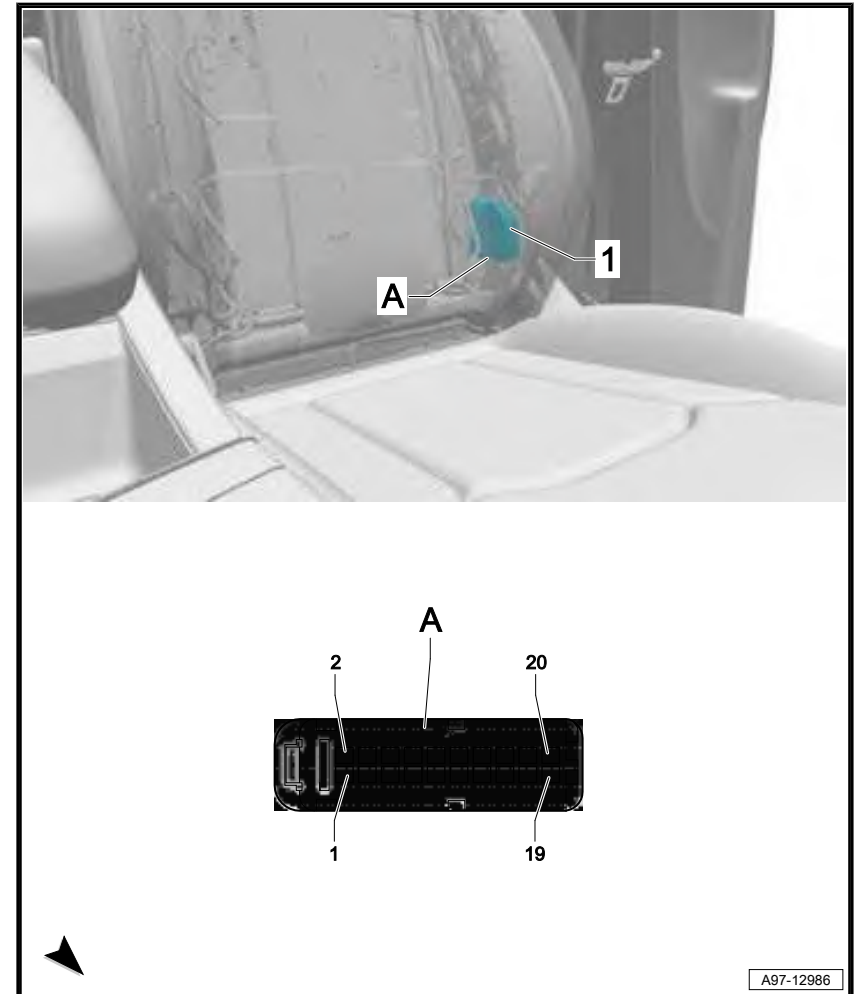
T10i (A)	Designation		T10i (A)	Designation
1	Terminal 30, from Fuse Carrier 5 ST5 in fuse panel B SB		6	
2			7	
3	Infotainment CAN-Bus Low to A179 Infotainment CAN bus low connection (in instrument panel wiring harness)		8	
4	Infotainment CAN-Bus High to A178 Infotainment CAN bus high connection (in instrument panel wiring harness)		9	
5			10	Terminal 31, to 688 Ground Connection 2 (on Center Tunnel)

1.22 Left rear information display control head control module J648 / Right rear information display control head control module J649

- ◆ ⇒ [“1.22.1 Left rear information display control head control module J648 / Right rear information display control head control module J649 , location”, page 70](#)
- ◆ ⇒ [“1.22.2 Left rear information display control head control module J648 , connector view, T20n”, page 72](#)
- ◆ ⇒ [“1.22.3 Right rear information display control head control module J649 , connector view, T20o”, page 73](#)

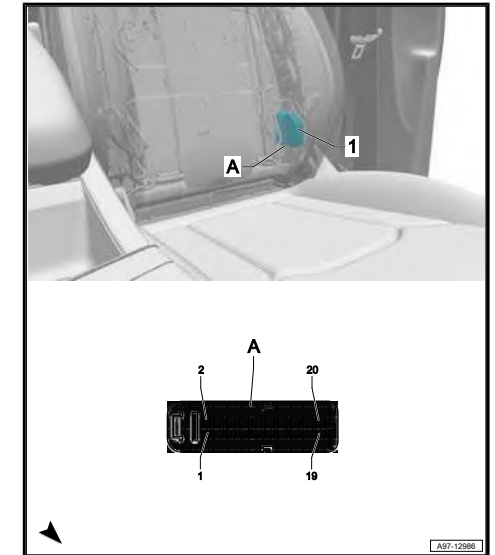
1.22.1 Left rear information display control head control module -J648- / Right rear information display control head control module -J649- , location

- 1 - Left rear information display control head control module -J648-
- 1 - Right rear information display control head control module -J649-
- A - 20-Pin Connector -T20n- , black
- A - 20-Pin Connector -T20o- , black



1.22.2 Left rear information display control head control module -J648- , connector view, T20n

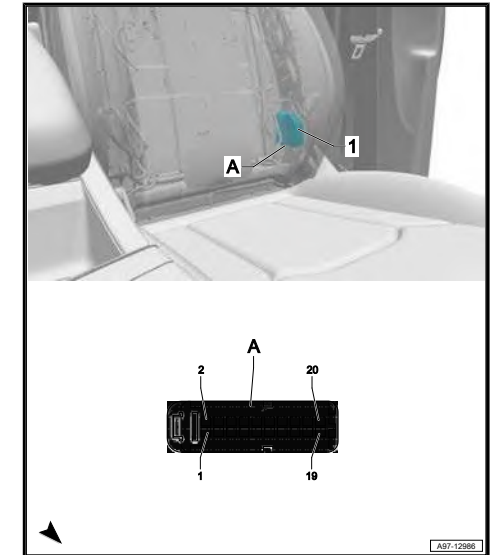
20-Pin Connector -T20n-



T20n (A)	Designation	T20n (A)	Designation
1		11	
2		12	
3	Multimedia display unit 4 bracket R316	13	
4	Multimedia display unit 4 bracket R316	14	
5	Multimedia display unit 4 bracket R316	15	
6	Multimedia display unit 4 bracket R316	16	CAN Bus, Control Module for Information Electronics 1 Low, to E148 Connection 2 (CAN Bus, Control Module for Information Electronics 1, Low)
7	Multimedia display unit 4 bracket R316	17	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
8		18	CAN Bus, Control Module for Information Electronics 1 High, to E146 Connection 2 (CAN Bus, Control Module for Information Electronics 1, High)
9		19	
10		20	Terminal 31, to 79 Ground connection on left B-pillar

1.22.3 Right rear information display control head control module -J649- , connector view, T20o

20-Pin Connector -T20o-



T20o (A)	Designation	T20o (A)	Designation
1	Coding line to contact 2 on connector T20o	11	
2	Coding line to contact 1 on connector T20o	12	
3	Multimedia display unit 3 bracket R315	13	
4	Multimedia display unit 3 bracket R315	14	
5	Multimedia display unit 3 bracket R315	15	
6	Multimedia display unit 3 bracket R315	16	CAN Bus, Control Module for Information Electronics 1 Low, to E148 Connection 2 (CAN Bus, Control Module for Information Electronics 1, Low)
7	Multimedia display unit 3 bracket R315	17	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel FSF
8		18	CAN Bus, Control Module for Information Electronics 1 High, to E146 Connection 2 (CAN Bus, Control Module for Information Electronics 1, High)
9		19	
10		20	Terminal 31, to 720 Ground connection on right B-pillar

1.23 Chip card reader control module J676

♦ ⇒ ["1.23.1 Chip card reader control module J676 , location", page 74](#)

♦ ⇒ [“1.23.2 Chip card reader control module J676 , connector views”, page 75](#)

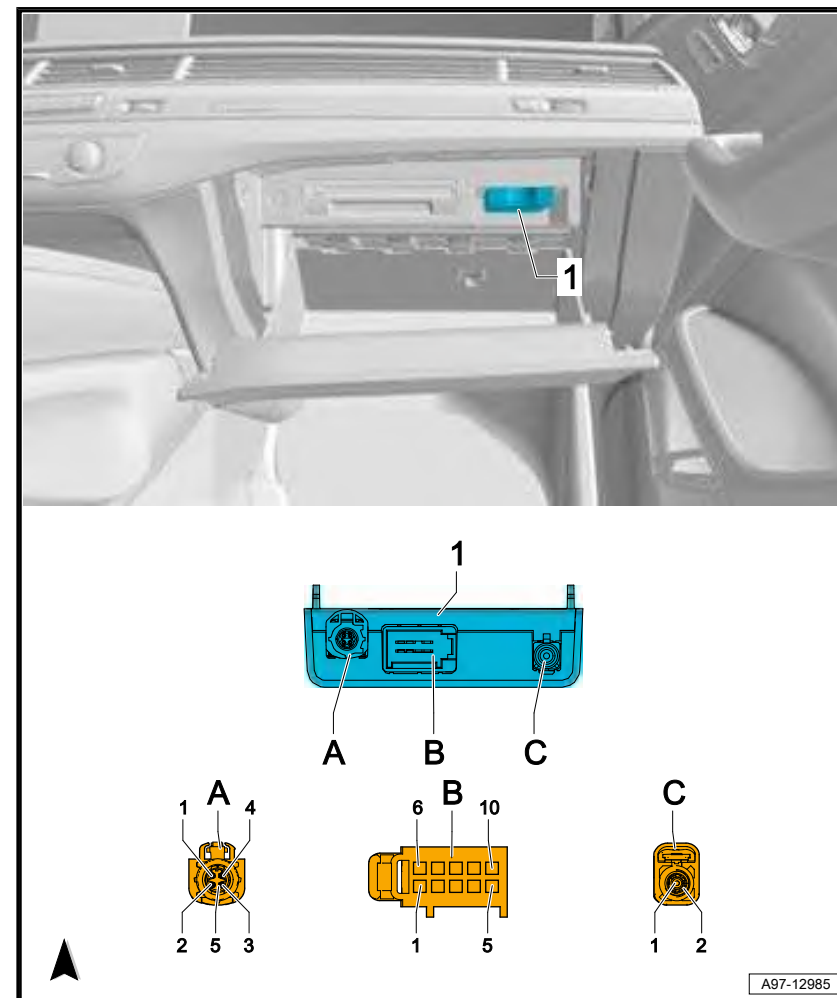
1.23.1 Chip card reader control module -J676- , location

1 - Chip Card Reader Control Module -J676-

A - 5-Pin Connector -T4eg- , brown

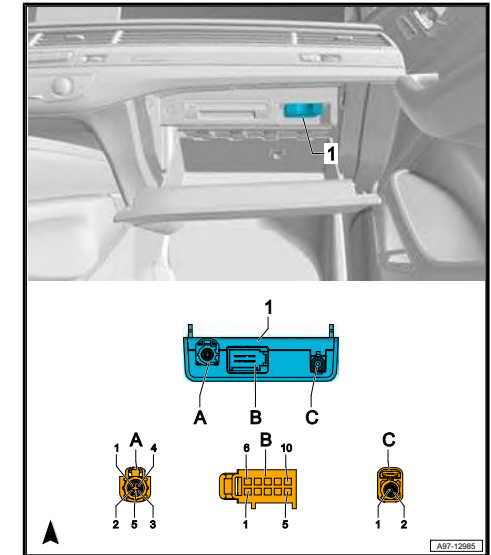
B - 10-Pin Connector -T10u- , black

C - Double Connector -T2in- , yellow



1.23.2 Chip card reader control module -J676- , connector views

10-Pin Connector -T10u-



T10u (A)	Designation		T10u (A)	Designation
1	Traffic Data Antenna R173		6	Control Module for Information Electronics 1 J794
2	Traffic Data Antenna R173		7	Traffic Data Antenna R173
3	Traffic Data Antenna R173		8	Traffic Data Antenna R173
4	Traffic Data Antenna R173		9	Terminal 30, from Fuse panel CSC
5			10	Terminal 31, to 752 Ground Connection 3 (on right A-pillar) ¹⁾ 687 Ground Connection 1 (on center tunnel) ²⁾

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.24 Electronic steering column lock control module J764

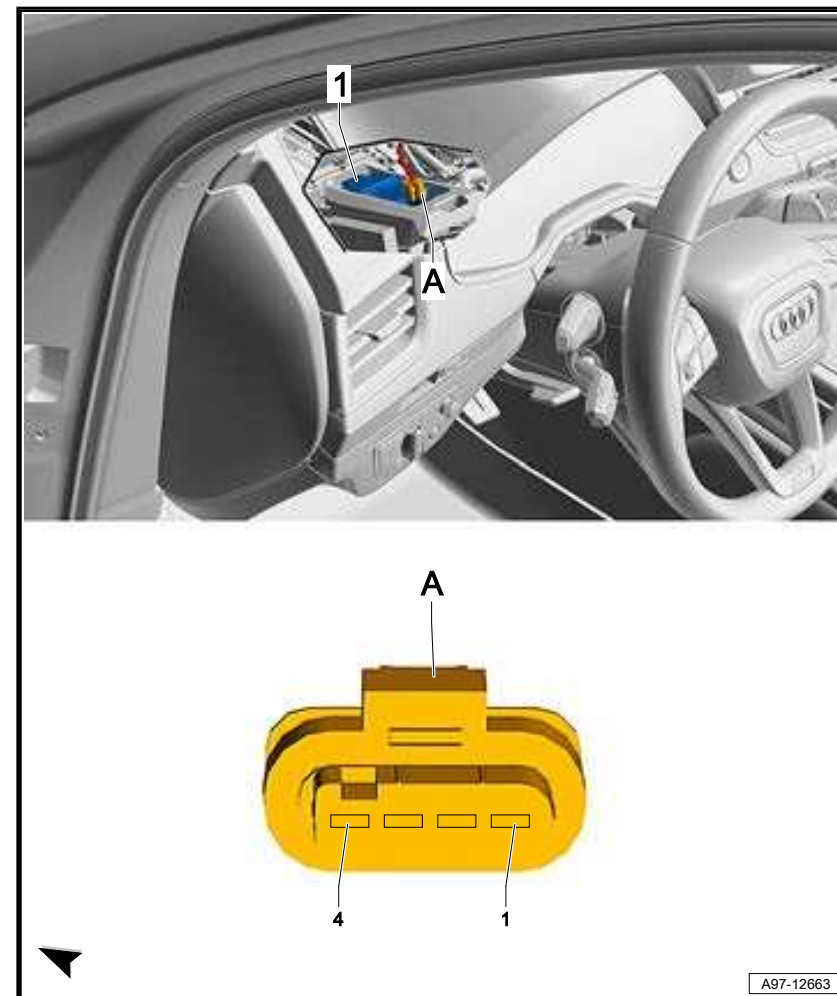
◆ ⇒ [“1.24.1 Electronic steering column lock control module J764 , location”, page 75](#)

◆ ⇒ [“1.24.2 Electronic steering column lock control module J764 , connector views”, page 77](#)

1.24.1 Electronic steering column lock control module -J764- , location

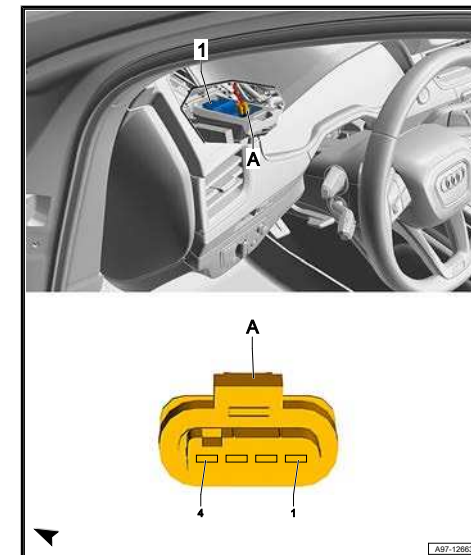
1 - Electronic Steering Column Lock Control Module -J764-

A - 4-Pin Connector -T4r-



1.24.2 Electronic steering column lock control module -J764- , connector views

4-Pin Connector -T4r-



T4r (A)	Designation
1	Comfort System CAN-Bus High, to B398 Comfort System CAN-Bus High Connection 2 (in main wiring harness)
2	Comfort System CAN-Bus Low, to B407 Comfort System CAN-Bus Low Connection 2 (in main wiring harness)
3	Terminal 30, from Fuse Panel C SC
4	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ¹⁾ 752 Ground connection 3 on right A-pillar ²⁾

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.25 Drivetrain control module J775

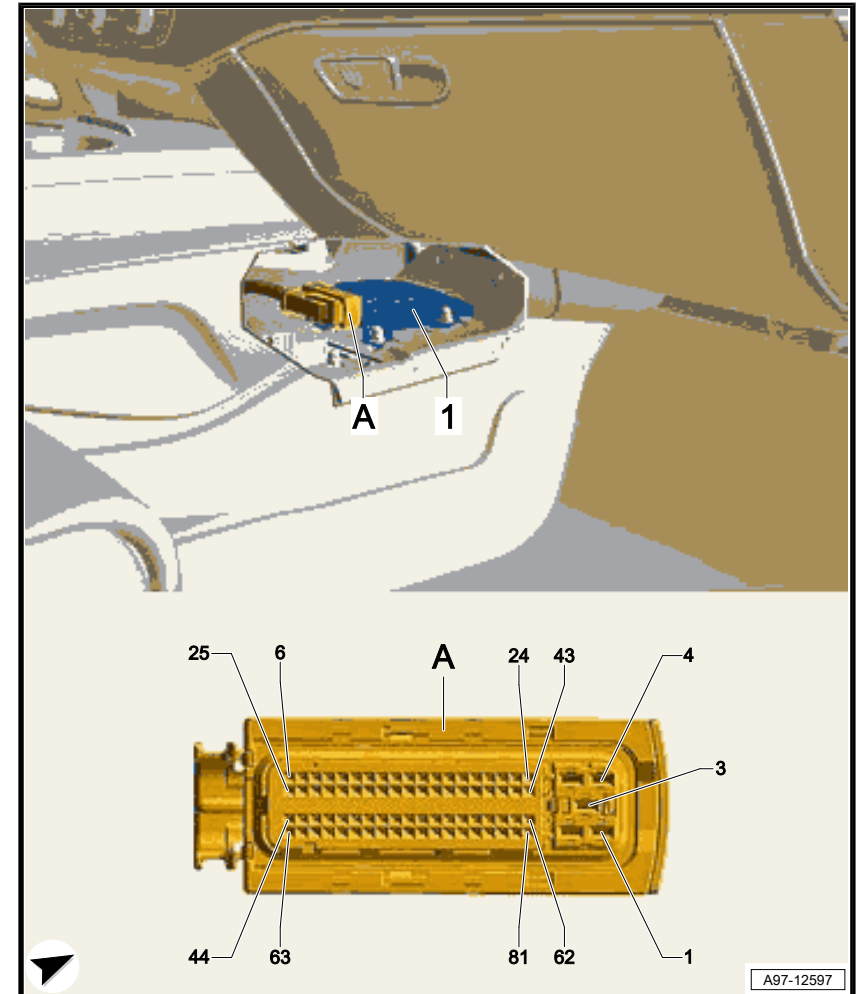
◆ ⇒ ["1.25.1 Drivetrain control module J775 , location", page 77](#)

◆ ⇒ ["1.25.2 Drivetrain control module J775 , connector views", page 79](#)

1.25.1 Drivetrain control module -J775- , location

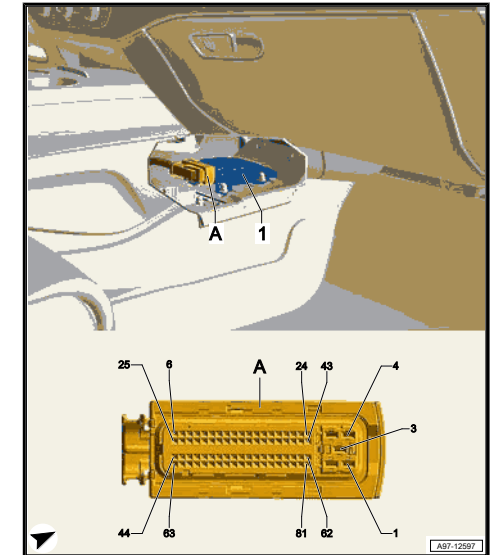
1 - Drivetrain control module -J775-

A - 81-Pin Connector -T81a- , black



1.25.2 Drivetrain control module -J775- , connector views

81-Pin Connector -T81a-



T81a (A)	Designation	T81a (A)	Designation	T81a (A)	Designation
1	Terminal 30, from Fuse Carrier 1ST1 in fuse panel F SF	28	Loading sill lowering control head E682 Load Level Button E539	55	
2		29	Ground, to Loading sill lowering control head E682 Load Level Button E539	56	
3		30		57	
4		31	Right Front Level Control Sensor G289	58	
5	Terminal 31, to 602 Ground Connection (in front left footwell)	32	Left Rear Level Control System Sensor G76	59	Level Control System Solenoid N111
6	CAN-Bus suspension sensor High, from B663 Suspension sensor CAN bus high connection (in main wiring harness)	33	Adaptive suspension valve block NX7 Right Rear Suspension Strut Valve N151	60	
7		34	Right Front Level Control Sensor G289	61	
8	Adaptive sNX7uspension valve block Level Control Pressure Sensor G291	35	Adaptive suspension valve block NX7 Left Rear Suspension Strut Valve N150	62	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness
9	Left Front Level Control System Sensor G78	36	Level Control Pump Temperature Sensor	63	FlexRay-Bus, to Driver assistance systems front camera R242 ¹⁾ or to Steering column electronics control module J527 ²⁾

T81a (A)	Designation	T81a (A)	Designation	T81a (A)	Designation
10	Left Front Level Control System Sensor G78	37	Adaptive suspension valve block NX7 Left Front Suspension Strut Valve N148	64	FlexRay-Bus, to Driver assistance systems front camera R242 ¹⁾ or to Steering column electronics control module J527 ²⁾
11	Left Front Level Control System Sensor G78	38		65	
12	Right Front Level Control Sensor G289	39		66	
13	Left Rear Level Control System Sensor G76	40		67	Loading sill lowering control head E682 Load Level Button E539
14	Left Rear Level Control System Sensor G76	41		68	Right Rear Dampening Adjustment Valve N339
15		42		69	Right Rear Dampening Adjustment Valve N339
16	Level Control Pump Temperature Sensor G290	43		70	
17	Right Rear Level Control System Sensor G77	44	FlexRay-Bus, from Data Bus On Board Diagnostic Interfac J533	71	Loading sill lowering control head E682 Load Level Button E539
18	Right Rear Level Control System Sensor G77	45	FlexRay-Bus, from Data Bus On Board Diagnostic Interfac J533	72	Left Rear Dampening Adjustment Valve N338
19	Right Rear Level Control System Sensor G77	46		73	Left Rear Dampening Adjustment Valve N338
20		47		74	
21		48		75	Adaptive suspension valve block NX7 Right Front Suspension Strut Valve N149
22		49	Loading sill lowering control head E682 Load Level Button E539	76	Right Front Dampening Adjustment Valve N337
23		50		77	Right Front Dampening Adjustment Valve N337
24		51		78	Level Control System Solenoid N111
25	CAN-Bus suspension sensor Low, from B664 Suspension sensor CAN bus low connection (in main wiring harness)	52		79	Level Control System Solenoid N111
26	Adaptive suspension valve block NX7 Level Control Pressure Sensor G291	53	Adaptive suspension valve block NX7 Level Control Accumulator Valve N311	80	Left Front Dampening Adjustment Valve N336
27	Adaptive suspension valve block NX7 Level Control Pressure Sensor G291	54	Valves supply in Adaptive suspension valve block NX7	81	Left Front Dampening Adjustment Valve N336

¹⁾ only models with Driver assistance systems front camera -R242-

²⁾ only models without Driver assistance systems front camera -R242-

1.26 Control Module for Information Electronics 1 J794

- ◆ ⇒ [“1.26.1 Control Module for Information Electronics 1 J794 , location”, page 81](#)
- ◆ ⇒ [“1.26.2 Control Module for Information Electronics 1 J794 , connector views, T8i, T12n, T12o”, page 83](#)
- ◆ ⇒ [“1.26.3 Control Module for Information Electronics 1 J794 , connector views, T12m, T8z”, page 84](#)

1.26.1 Control Module for Information Electronics 1 -J794- , location

1 - Control Module for Information Electronics 1 -J794-

A - Double Connector -T2jh- , bordeaux-purple

- ☐ Installation is equipment-dependent

A - 4-Pin Connector -T4et- , bordeaux-purple

- ☐ one component together with -Q-
- ☐ Installation is equipment-dependent

B - Double Connector -T2is- , black

- ☐ Installation is equipment-dependent

B - Double Connector -T2it- , brown

- ☐ Installation is equipment-dependent

C - Quad-connector

D - 8-Pin Connector -T8i- , black

E - 12-Pin Connector -T12n- , grey

F - 12-Pin Connector -T12o- , green

G - 12-Pin Connector -T12m- , blue

H - 8-Pin Connector -T8z- , brown

J - Double Connector -T2ls- , black

- ☐ MOST Bus

K - 4-Pin Connector -T4fd- , heather violet/blue-grey

- ☐ MMI radio (I7Y), MMI radio plus (I8E): heather violet
- ☐ MMI Navigation plus (I8H): blue-grey

L - 4-Pin Connector -T4fb- , curry yellow

M - 4-Pin Connector -T4ef- , yellow-green

- ☐ Installation is equipment-dependent

N - 5-Pin Connector -T5bc- , beige

- ☐ Installation is equipment-dependent

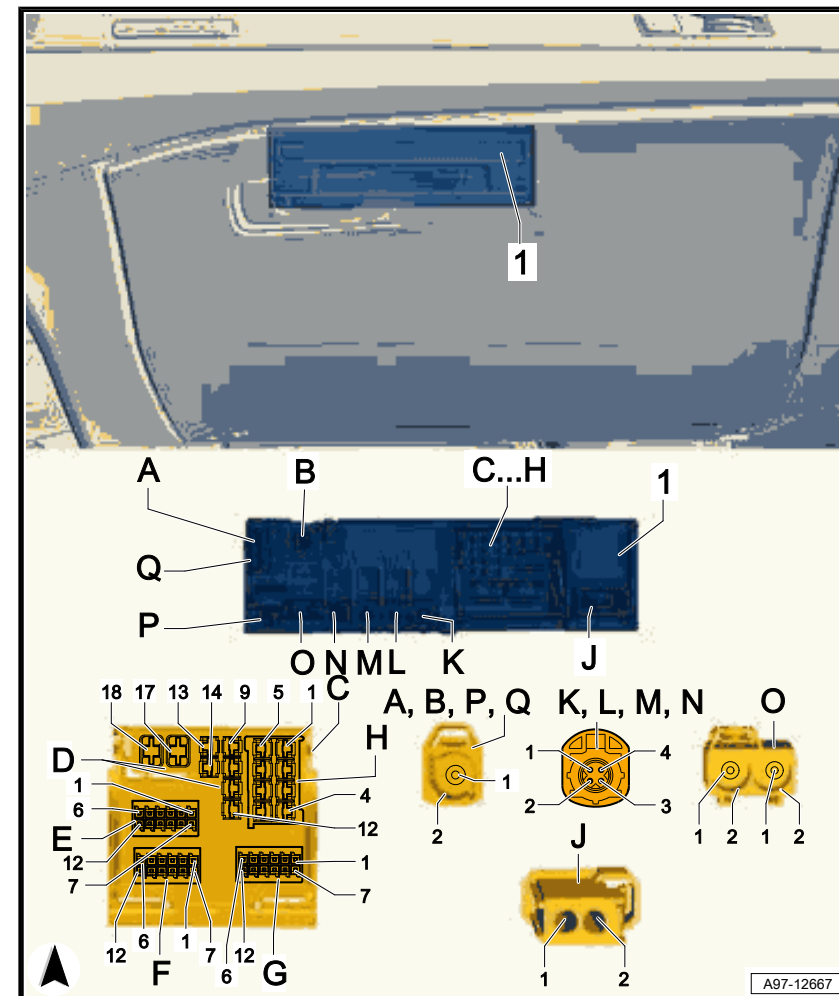
O - 4-Pin Connector -T4ev- , creme-white

P - Double Connector -T2jg- , blue

- ☐ Installation is equipment-dependent

Q - 4-Pin Connector -T4et- , bordeaux-purple

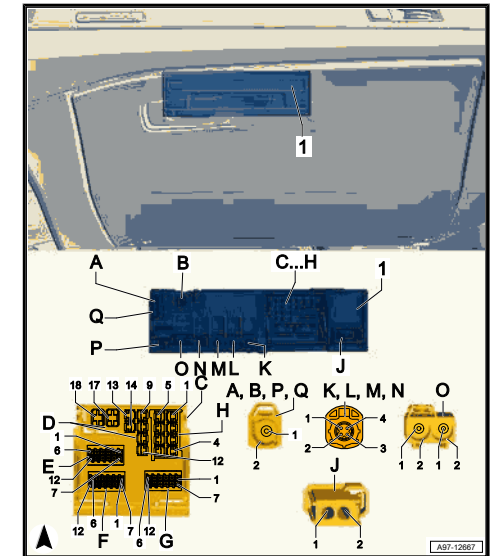
- ☐ one component together with -A-



❑ Installation is equipment-dependent

1.26.2 Control Module for Information Electronics 1 -J794- , connector views, T8i, T12n, T12o

8-Pin Connector -T8i- / 12-Pin Connector -T12n- / 12-Pin Connector -T12o-



T8i (D)	Designation	T12n (E)	Designation	T12o (F)	Designation
9	Subwoofer R211	1	CAN Bus, Control Module for Information Electronics 1 High, to E145 Connection 1 (CAN Bus, Control Module for Information Electronics 1, High)	1	External Audio Source Connector R199, AUX-In Ground
10	Center speaker R208/Center speaker 2R219	2	Multimedia Control Head E380	2	External Audio Source Connector R199, AUX-In right
11		3	Ringbreak Diagnosis	3	External Audio Source Connector R199, USB 5V
12		4		4	External Audio Source Connector R199, USB Ground
13	Subwoofer R211	5	Telephone Baseplate R126/Amplifier for telephone R86	5	
14	Center speaker R208/Center speaker 2 R219	6	Infotainment CAN-Bus High from A178 Infotainment CAN bus high connection (in instrument panel wiring harness)	6	
17	Terminal 31, to 752 Ground Connection 3 (on right A-pillar) ¹⁾ 687 Ground Connection 1 (on center tunnel) ²⁾	7	CAN Bus, Control Module for Information Electronics 1 Low, to E147 Connection 1 (CAN Bus, Control Module for Information Electronics 1, Low)	7	External Audio Source Connector R199, AUX-In left

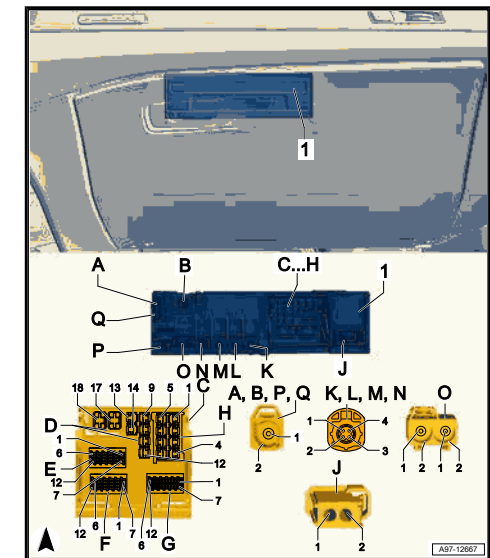
T8i (D)	Designation	T12n (E)	Designation	T12o (F)	Designation
18	Terminal 30, from Fuse panel C SC	8	Multimedia Control Head E380	8	External Audio Source Connector R199, Ground-shielding
		9		9	
		10		10	
		11	Telephone Baseplate R126	11	
		12	Infotainment CAN-Bus Low from A179 Infotainment CAN bus low connection (in instrument panel wiring harness)	12	

1) Left-Hand Drive

2) Right-hand drive

1.26.3 Control Module for Information Electronics 1 -J794- , connector views, T12m, T8z

8-Pin Connector -T8z- / 12-Pin Connector -T12m-



T12m (G)	Designation	T8z (H)	Designation
1	Left Front Microphone R140 ¹⁾ /Data Bus On Board Diagnostic Interface J533 ²⁾	1	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17
2	Right Front Microphone R141	2	Right Front Treble Speaker R22/Right Front Bass Speaker R23
3		3	Left Front Treble Speaker R20/Left front bass speaker R21
4	Data Bus On Board Diagnostic Interface J533 ²⁾	4	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15

T12m (G)	Designation		T8z (H)	Designation
5	Data Bus On Board Diagnostic Interface J533 ²⁾		5	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17
6	Rear View Camera R189		6	Right Front Treble Speaker R22/Right Front Bass Speaker R23
7	Left Front Microphone R140 ¹⁾ /Data Bus On Board Diagnostic Interface J533 ²⁾		7	Left Front Treble Speaker R20/Left front bass speaker R21
8	Right Front Microphone R141		8	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15
9				
10	Data Bus On Board Diagnostic Interface J533 ²⁾			
11				
12	Rear View Camera R189			

¹⁾ models without Audi connect emergency call & Service (IW0)

²⁾ models with Audi connect emergency call & Service (IW3)

1.27 Automatic high beam assist control module J844

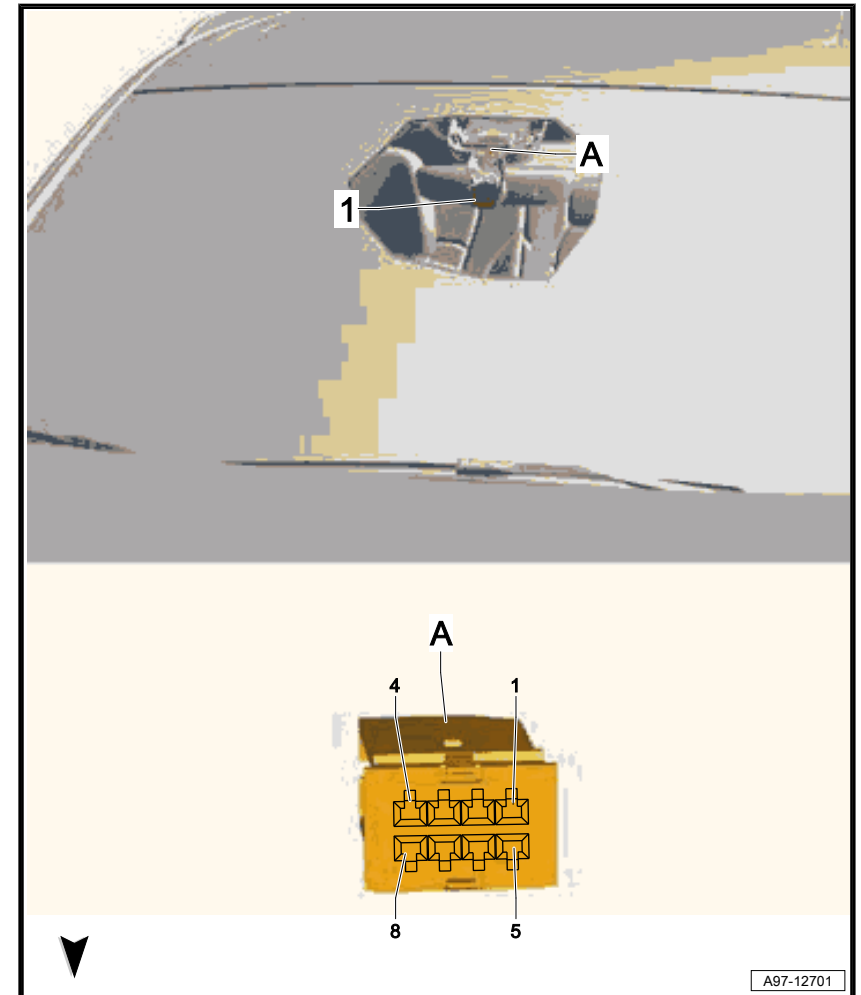
◆ ⇒ [“1.27.1 Automatic high beam assist control module J844 , location”, page 85](#)

◆ ⇒ [“1.27.2 Automatic high beam assist control module J844 , connector views”, page 87](#)

1.27.1 Automatic high beam assist control module -J844- , location

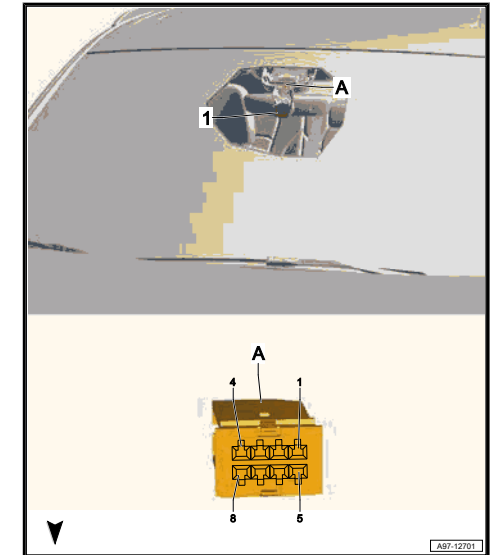
1 - Automatic High Beam Assist Control Module -J844-

A - 8-Pin Connector -T8I- , black



1.27.2 Automatic high beam assist control module -J844- , connector views

8-Pin Connector -T8I-



T8I (A)	Designation		T8I (A)	Designation
1	Terminal 15, from B282 Positive connection 6 (15a) in main wiring harness		5	
2	Terminal 31, to 689 Ground connection (on center/front roof)		6	
3	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)		7	LIN-Bus, to B549 LIN-Bus Connection 2 (in main wiring harness)
4			8	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)

1.28 Night vision system control module J853

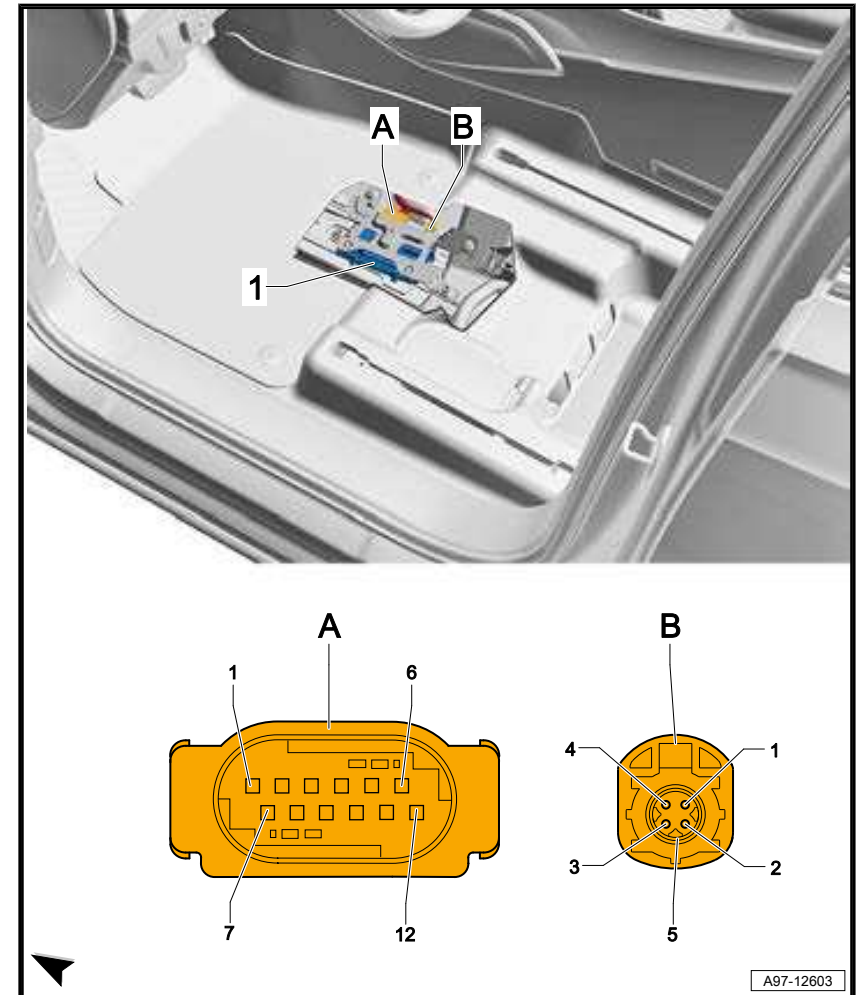
- ◆ ⇒ ["1.28.1 Night vision system control module J853 , location", page 87](#)
- ◆ ⇒ ["1.28.2 Night vision system control module J853 , connector views", page 89](#)

1.28.1 Night vision system control module -J853- , location

1 - Night vision system control module -J853-

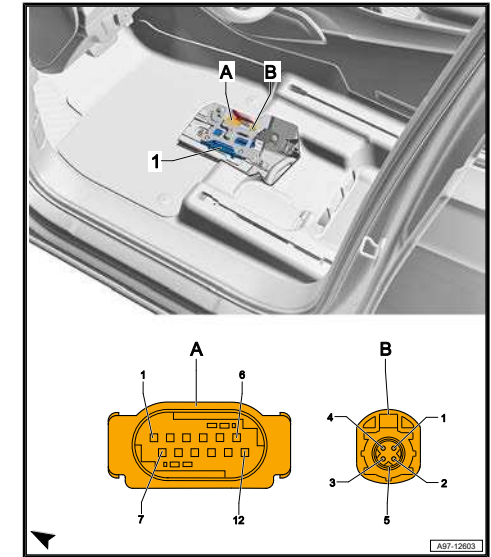
A - 12-Pin Connector -T12g- , black

B - 5-Pin Connector -T5b- , black



1.28.2 Night vision system control module -J853- , connector views

12-Pin Connector -T12g-



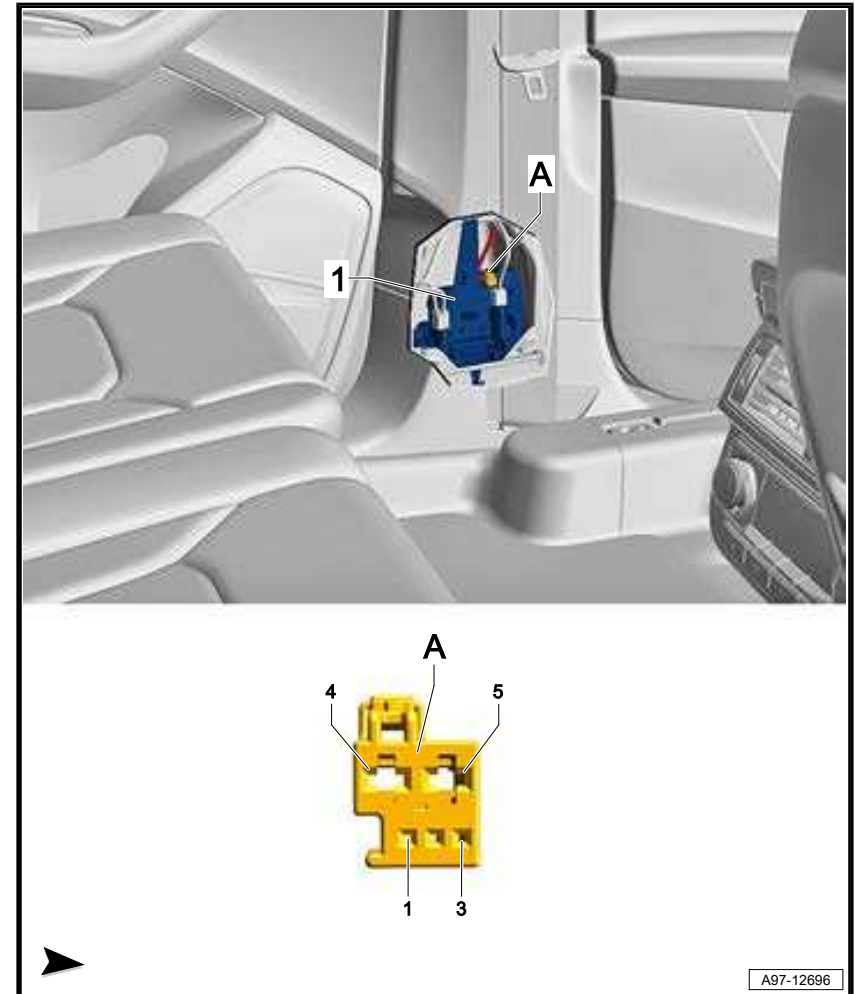
T12g (A)	Designation		T12g (A)	Designation
1	Terminal 31, to 602 Ground Connection (in front left footwell)		7	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)
2			8	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)
3			9	FlexRay-Bus, to Instrument cluster control module J285
4			10	FlexRay-Bus, to Instrument cluster control module J285
5			11	
6	Terminal 15, from B278 Positive connection 2 (15a) in main wiring harness		12	

1.29 Left front seat belt tensioner control module J854 / Right front seat belt tensioner control module J855

- ⇒ ["1.29.1 Left front seat belt tensioner control module J854 / Right front seat belt tensioner control module J855 , location", page 89](#)
- ⇒ ["1.29.2 Left front seat belt tensioner control module J854 / Right front seat belt tensioner control module J855 , connector views", page 91](#)

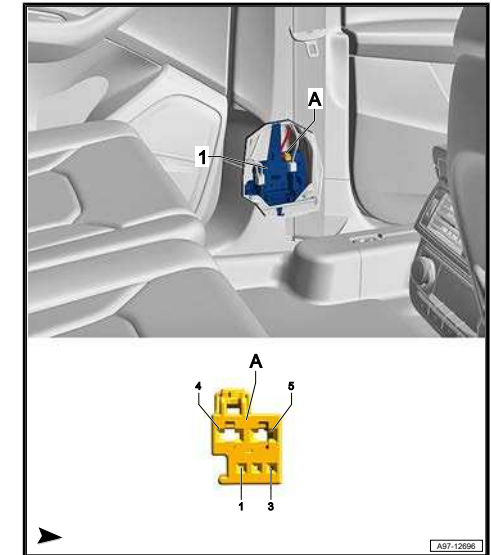
1.29.1 Left front seat belt tensioner control module -J854- / Right front seat belt tensioner control module -J855- , location

- 1 - Left front seat belt tensioner control module -J854-
- 1 - Right front seat belt tensioner control module -J855-
- A - 5-Pin Connector -T5ce- , natural
- A -
5-Pin Connector -T5cf- , natural



1.29.2 Left front seat belt tensioner control module -J854- / Right front seat belt tensioner control module -J855- , connector views

5-Pin Connector -T5ce- / 5-Pin Connector -T5cf-



T5ce (A)	Designation		T5cf (A)	Designation
1			1	
2	CAN-Bus Airbag control module Low to Airbag control module J234		2	CAN-Bus Airbag control module Low to Airbag control module J234
3	CAN-Bus Airbag control module High to Airbag control module J234		3	CAN-Bus Airbag control module High to Airbag control module J234
4	Terminal 30, from Fuse Carrier 1 ST1 in fuse panel F SF		4	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
5	Terminal 31, to 79 Ground connection on left B-pillar		5	Terminal 31, to 720 Ground connection on right B-pillar

1.30 Power adjustable steering column control module J866

◆ ⇒ ["1.30.1 Power adjustable steering column control module J866 , location", page 91](#)

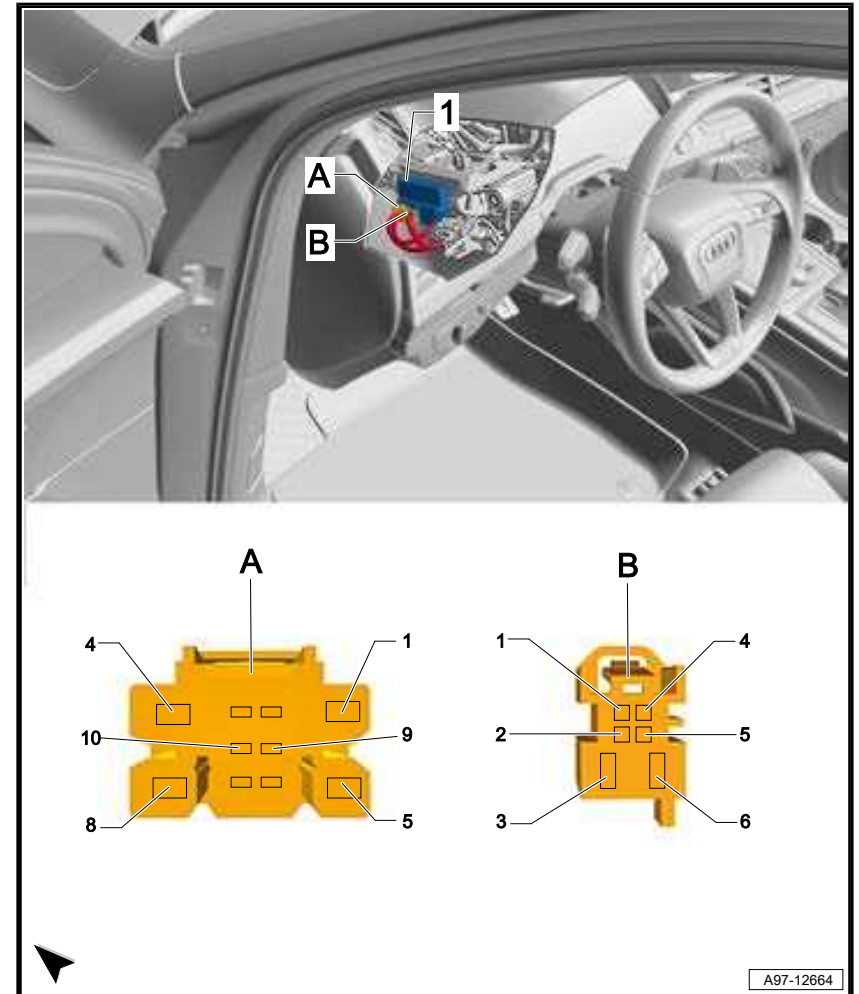
◆ ⇒ ["1.30.2 Power adjustable steering column control module J866 , connector views", page 93](#)

1.30.1 Power adjustable steering column control module -J866- , location

1 - Power Adjustable Steering Column Control Module -J866-

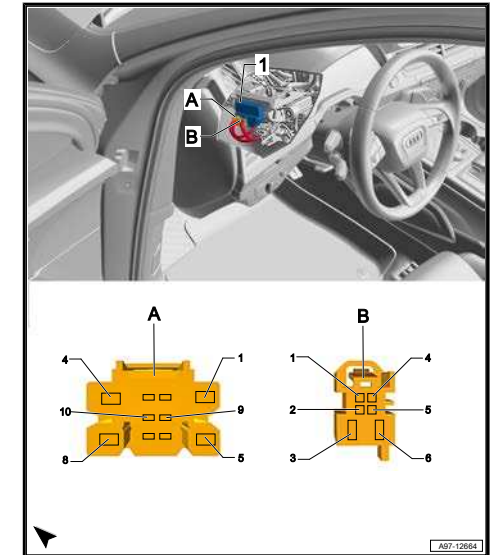
A - 10-Pin Connector -T10- , red

B - 6-Pin Connector -T6a- , brown



1.30.2 Power adjustable steering column control module -J866- , connector views

10-Pin Connector -T10- / 6-Pin Connector -T6a-



T10 (A)	Designation	T6a (B)	Designation
1	Steering Column Adjustment Motor (vertical) V123/Steering column forward/back adjustment motor V124	1	Steering Column Adjustment Switch E167
2		2	
3		3	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ¹⁾ 752 Ground connection 3 on right A-pillar ²⁾
4	Steering column forward/back adjustment motor	4	Steering Column Adjustment Switch E167
5	Steering Column Adjustment Motor (vertical) V123	5	LIN-Bus, from Vehicle Electrical System Control Module J519
6	Steering Column Vertical Adjustment Sensor G357	6	Terminal 30, from Fuse Panel C SC
7	Steering Column Vertical Adjustment Sensor G357		
8			
9	Steering Column Axial Adjustment Sensor G358		
10	Steering Column Axial Adjustment Sensor G358		

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.31 Seat heating control module J882

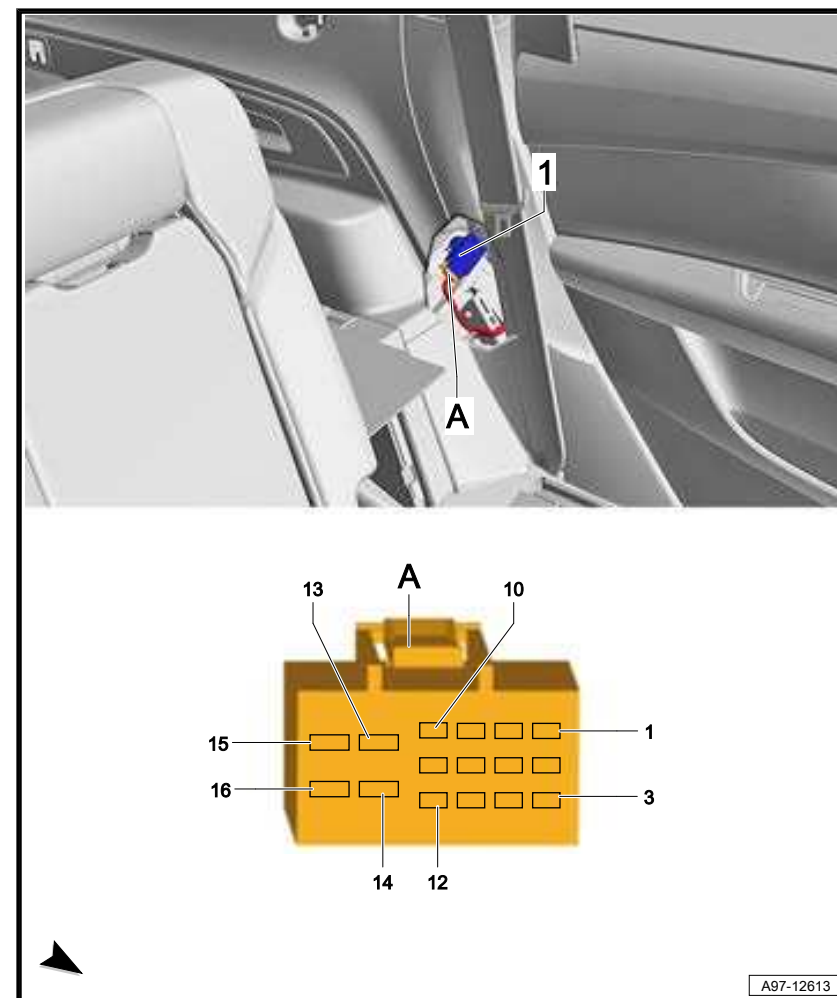
◆ ⇒ [“1.31.1 Seat heating control module J882 , location”, page 94](#)

◆ ⇒ [“1.31.2 Seat heating control module J882 , connector views”, page 95](#)

1.31.1 Seat heating control module -J882- , location

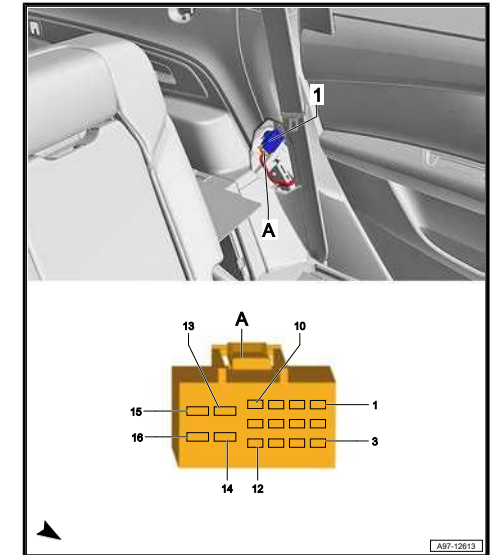
1 - Seat Heating Control Module -J882-

A - 16-Pin Connector -T16o- , black



1.31.2 Seat heating control module -J882- , connector views

16-Pin Connector -T16o-



T16o (A)	Designation		T16o (A)	Designation
1	Left seat heating button E653		9	Right Rear Heated Seat Temperature Sensor G95
2	Left seat heating button E653		10	Terminal 31, to 61 Ground connection on left C-pillar
3	.		11	Vehicle Electrical System Control Module J519
4	Right seat heating button E654		12	Terminal 15, from B282 Positive connection 6 (15a) in main wiring harness
5	Right seat heating button E654		13	Terminal 30, Fuse carrier 1 ST1 in fuse panel F SF
6	Right seat heating button E654		14	Terminal 30, Fuse carrier 1 ST1 in fuse panel F SF
7	Left seat heating button E653/Right seat heating button E654		15	Right Rear Seat Heating Element Z12/Right rear backrest heating element Z13
8	Right seat heating button E654		16	Left Rear Seat Heating Element Z10/Left rear backrest heating element Z11

1.32 Windshield projection head up display control module J898

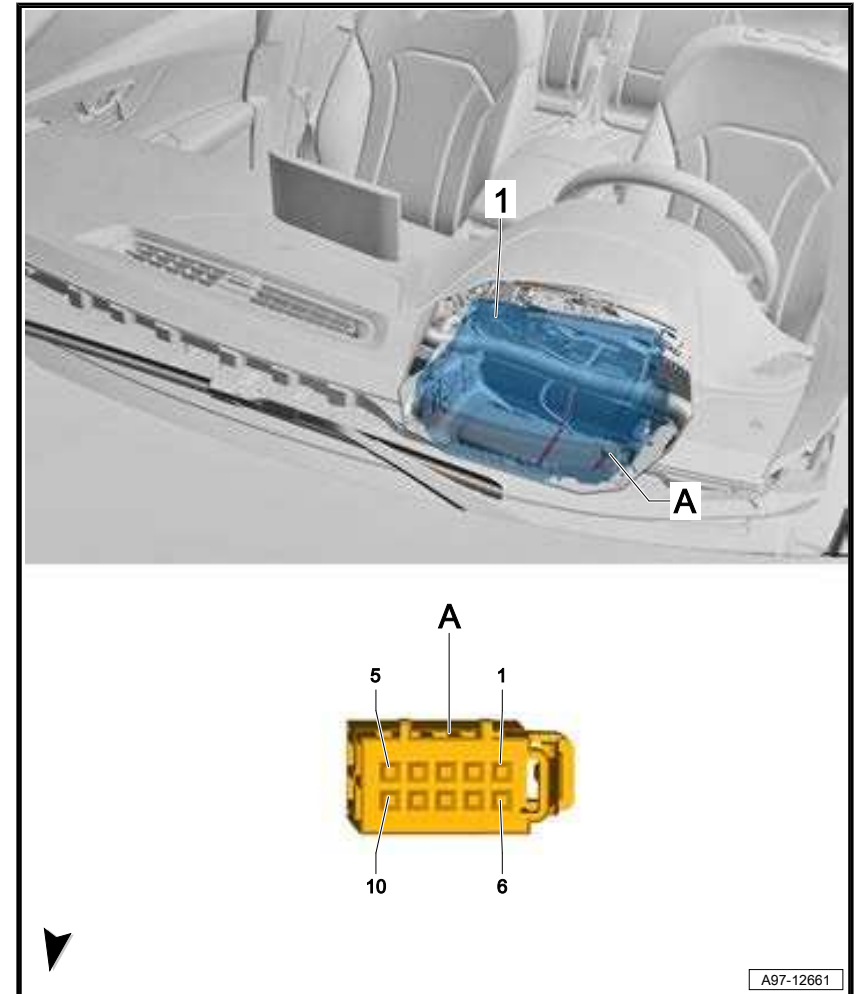
♦ ⇒ ["1.32.1 Windshield projection head up display control module J898 , location", page 95](#)

♦ ⇒ ["1.32.2 Windshield projection head up display control module J898 , connector views", page 97](#)

1.32.1 Windshield projection head up display control module -J898- , location

1 - Windshield Projection Head Up Display Control Module -J898-

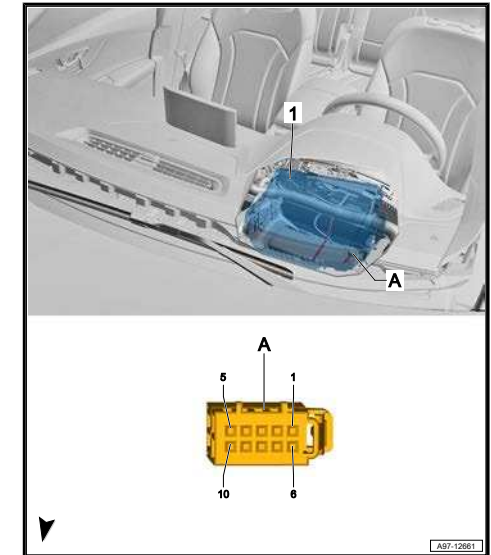
A - 10-Pin Connector -T10f- , black



A97-12661

1.32.2 Windshield projection head up display control module -J898- , connector views

10-Pin Connector -T10f-



T10f (A)	Designation	T10f (A)	Designation
1	Infotainment CAN-Bus High to A178 Infotainment CAN bus high connection (in instrument panel wiring harness)	6	
2	Infotainment CAN-Bus Low to A179 Infotainment CAN bus low connection (in instrument panel wiring harness)	7	
3		8	
4		9	
5	Terminal 30, from Fuse Panel C SC	10	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ¹⁾ 752 Ground connection 3 on right A-pillar ²⁾

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.33 Fuel tank leak detection control module J909

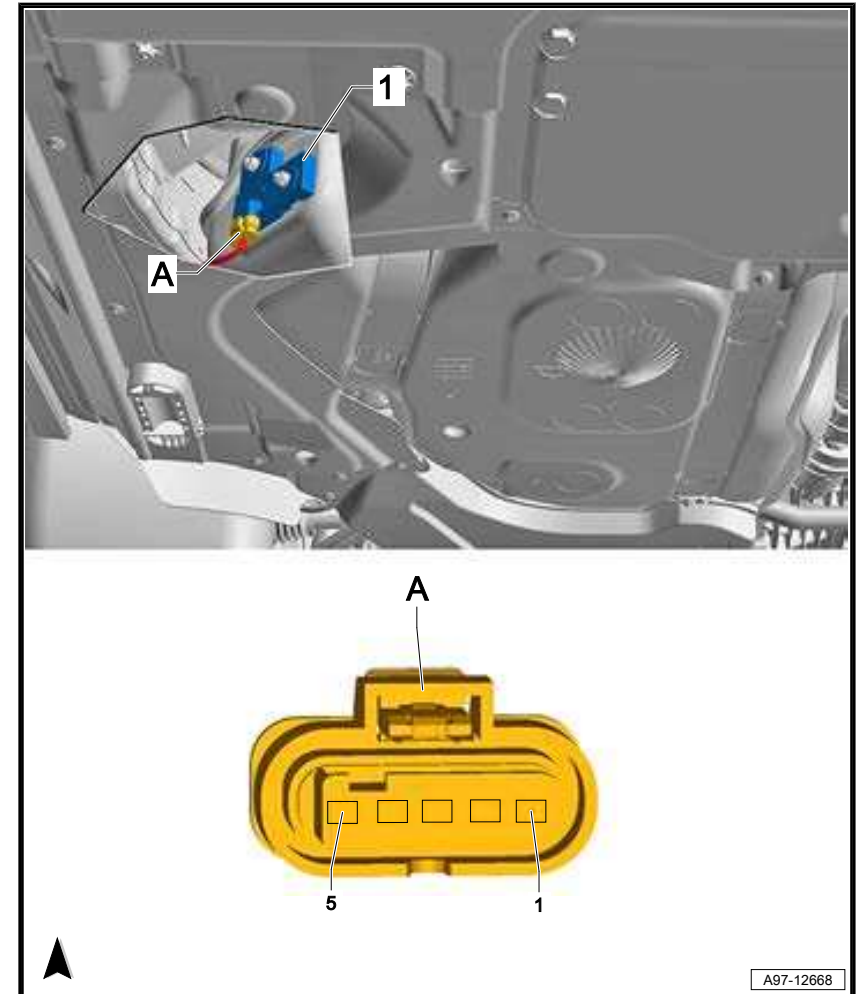
◆ ⇒ ["1.33.1 Fuel tank leak detection control module J909 , location", page 97](#)

◆ ⇒ ["1.33.2 Fuel tank leak detection control module J909 , connector views", page 99](#)

1.33.1 Fuel tank leak detection control module -J909- , location

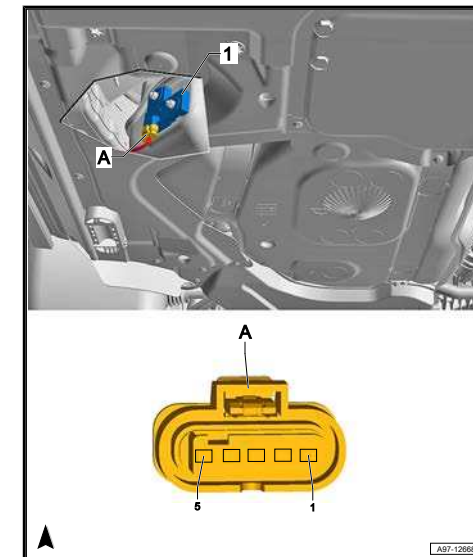
1 - Fuel Tank Lead Detection Control Module -J909-

A - 5-Pin Connector -T5v- , black



1.33.2 Fuel tank leak detection control module -J909- , connector views

5-Pin Connector -T5v-



T5v (A)	Designation
1	Fuel Tank Pressure (FTP) Sensor G400
2	Engine Control Module (ECM) J623
3	Engine Control Module (ECM) J623
4	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
5	Fuel Tank Pressure (FTP) Sensor G400

1.34 Driver side rear door control module J926

- ◆ ⇒ [“1.34.1 Driver side rear door control module J926 , location”, page 99](#)
- ◆ ⇒ [“1.34.2 Driver side rear door control module J926 , connector views, T6ao, T16h”, page 101](#)
- ◆ ⇒ [“1.34.3 Driver side rear door control module J926 , connector views, T20k, T6al”, page 102](#)

1.34.1 Driver side rear door control module -J926- , location

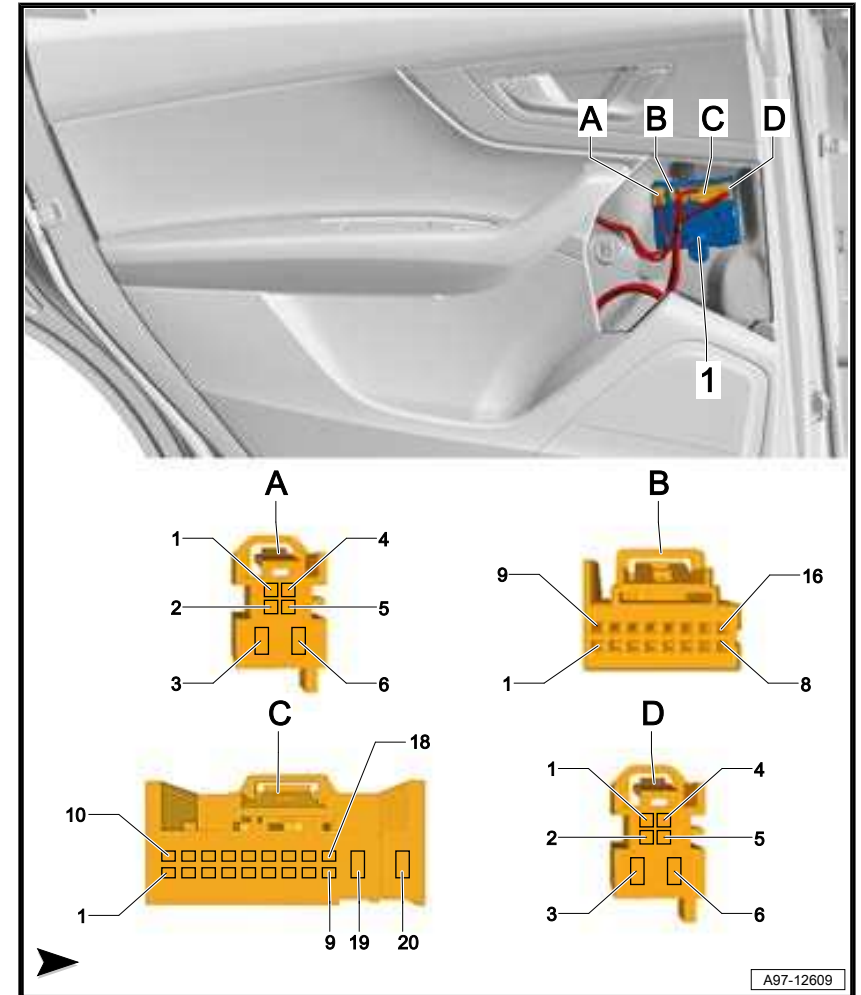
1 - Rear Door Control Module, Driver's Side -J926-

A - 6-Pin Connector -T6ao- , brown

B - 16-Pin Connector -T16h- , black

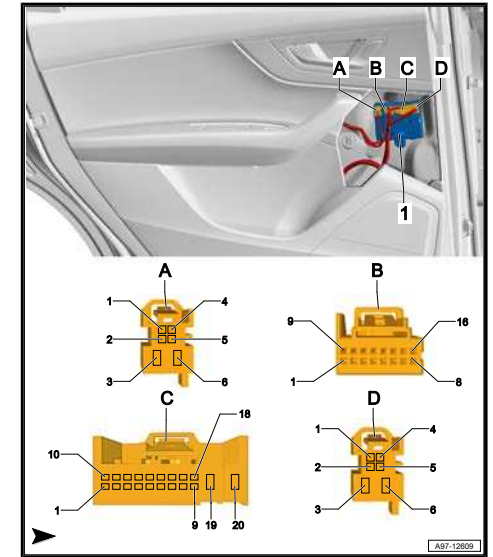
C - 20-Pin Connector -T20k- , white

D - 6-Pin Connector -T6al- , black



1.34.2 Driver side rear door control module -J926- , connector views, T6ao, T16h

6-Pin Connector -T6ao- / 16-Pin Connector -T16h-

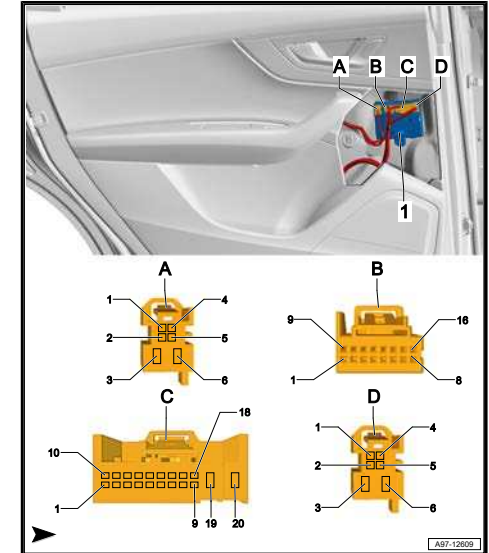


T6ao (A)	Designation	T16h (B)	Designation
1	Driver side rear exit warning lamp W113	1	Driver side rear interior door handle illumination bulb L221
2		2	Terminal 58s for Driver side rear power window button E711/ Driver side rear interior locking button E717
3		3	Positiv supply for Driver side rear door ambient light lamp W88/Driver side rear door ambient illumination lamp 2 W99
4		4	
5		5	
6		6	
		7	
		8	
		9	Driver side rear power window button E711
		10	Driver side rear interior locking button E717
		11	Driver side rear interior locking button E717
		12	Positiv supply for Driver side entry lamp W83/ Driver side rear door warning lamp W90
		13	Ground supply, to 408 Ground connection 3 (in left rear door wiring harness)
		14	
		15	

T6ao (A)	Designation		T16h (B)	Designation
			16	

1.34.3 Driver side rear door control module -J926- , connector views, T20k, T6al

20-Pin Connector -T20k- / 6-Pin Connector -T6al-



T20k (C)	Designation		T6al (D)	Designation
1	Driver side rear exterior door handle illumination lamp L285		1	
2	Driver side rear central locking system actuator F509		2	
3			3	Rear Window Regulator Motor, Driver's Side V471
4	Driver side rear central locking system actuator F509		4	
5	Driver side rear central locking system actuator F509		5	
6	Driver side rear central locking system actuator F509		6	Rear Window Regulator Motor, Driver's Side V471
7	Left Rear Closing Assist Motor V307			
8				
9	Driver side rear central locking system actuator F509 Driver side rear child safety lock motor V535			
10	LIN-Bus, to Driver's door control module J386			
11	Driver side rear central locking system actuator F509 Driver side rear child safety lock motor V535/Driver side rear door central locking -SAFE- motor V537/Driver side rear central locking system motor V539			

T20k (C)	Designation		T6al (D)	Designation
12	Driver side rear central locking system actuator F509 Driver side rear door central locking -SAFE- motor V537			
13	Driver side rear central locking system actuator F509 Driver side rear central locking system motor V539			
14	Left Rear Closing Assist Motor V307			
15	Driver side rear side sill panel strip ambient lighting lamp W105			
16				
17	Driver side rear central locking system actuator F509			
18				
19	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel B SB			
20	Terminal 31, to 79 Ground connection on left B-pillar			

1.35 Passenger side rear door control module J927

- ◆ ⇒ [“1.35.1 Passenger side rear door control module J927 , location”, page 103](#)
- ◆ ⇒ [“1.35.2 Passenger side rear door control module J927 , connector views, T6ap, T16i”, page 105](#)
- ◆ ⇒ [“1.35.3 Passenger side rear door control module J927 , connector views, T20l, T6am”, page 106](#)

1.35.1 Passenger side rear door control module -J927- , location

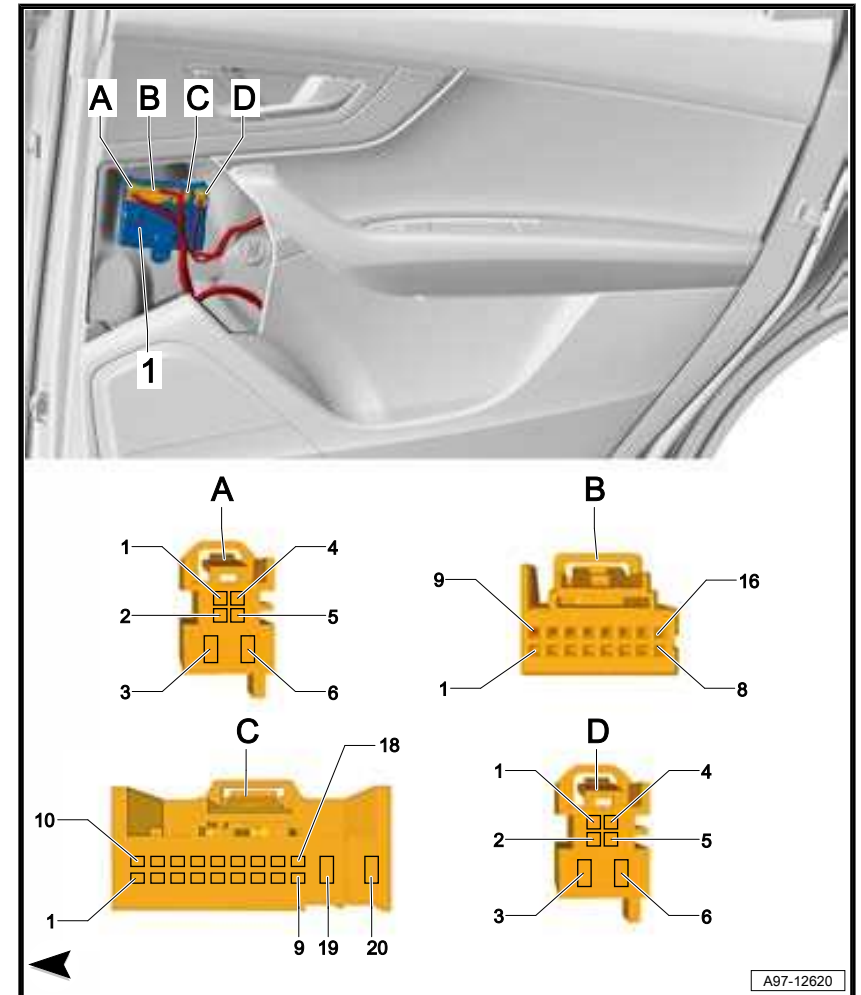
1 - Rear Front Passenger's Door Control Module -J927-

A - 6-Pin Connector -T6ap- , brown

B - 16-Pin Connector -T16i- , black

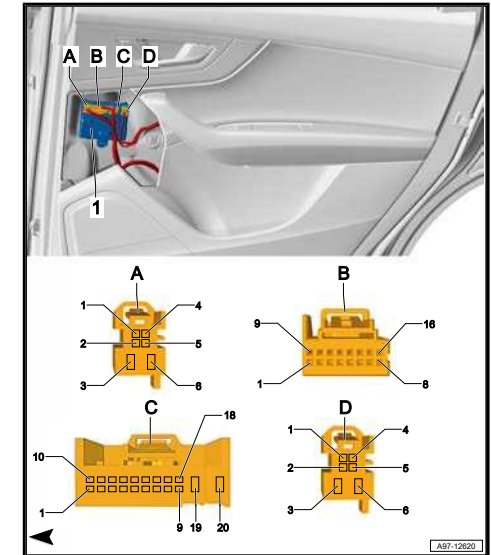
C - 20-Pin Connector -T20l- , white

D - 6-Pin Connector -T6am- , black



1.35.2 Passenger side rear door control module -J927- , connector views, T6ap, T16i

6-Pin Connector -T6ap- / 16-Pin Connector -T16i-

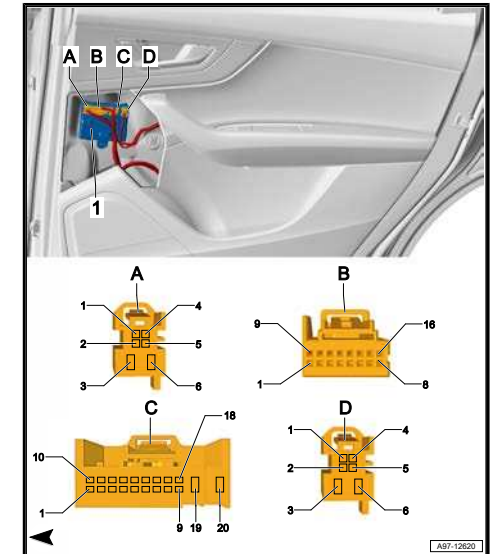


T6ap (A)	Designation	T16i (B)	Designation
1	Passenger side rear exit warning lamp W114	1	Passenger side rear interior door handle illumination bulb L222
2		2	Terminal 58s for Passenger side rear power window button E713/ Passenger side rear interior locking button E718
3		3	Positiv supply for Front passenger side rear door ambient light lamp W89/Front passenger side rear door ambient illumination lamp 2 W100
4		4	
5		5	
6		6	
		7	
		8	
		9	Passenger side rear power window button E713
		10	Passenger side rear interior locking button E718
		11	Passenger side rear interior locking button E718
		12	Positiv supply for Passenger side rear entry lamp W84/ Passenger side rear door warning lamp W91
		13	Ground supply, to 409 Ground connection 3 (in right rear door wiring harness)
		14	
		15	

T6ap (A)	Designation	T16i (B)	Designation
		16	

1.35.3 Passenger side rear door control module -J927- , connector views, T20I, T6am

20-Pin Connector -T20I- / 6-Pin Connector -T6am-



T20I (C)	Designation	T6am (D)	Designation
1	Passenger side rear exterior door handle illumination lamp L286	1	
2	Passenger side rear central locking system actuator F510	2	
3		3	Passenger side rear window regulator motor V472
4	Passenger side rear central locking system actuator F510	4	
5	Passenger side rear central locking system actuator F510	5	
6	Passenger side rear central locking system actuator F510	6	Passenger side rear window regulator motor V472
7	Right Rear Closing Assist Motor V308		
8			
9	Passenger side rear central locking system actuator F510 Passenger side rear child safety lock motor V536		
10	LIN-Bus, from Front passenger door control module J387		
11	Passenger side rear central locking system actuator F510 Passenger side rear child safety lock motor V536/Passenger side rear door central locking -SAFE- motor V538/Passenger side rear central locking system motor V540		

T20I (C)	Designation		T6am (D)	Designation
12	Passenger side rear central locking system actuator F510 Passenger side rear door central locking -SAFE- motor V538			
13	Passenger side rear central locking system actuator F510 Passenger side rear central locking system motor V540			
14	Right Rear Closing Assist Motor V308			
15	Front passenger side rear side sill panel strip ambient lighting lamp W104			
16				
17	Passenger side rear central locking system actuator F510			
18				
19	Terminal 30, Fuse carrier 3 ST3 in fuse panel B SB			
20	Terminal 31, to 720 Ground connection on right B-pillar			

1.36 Driver side ionizer J1105

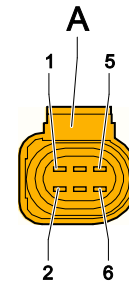
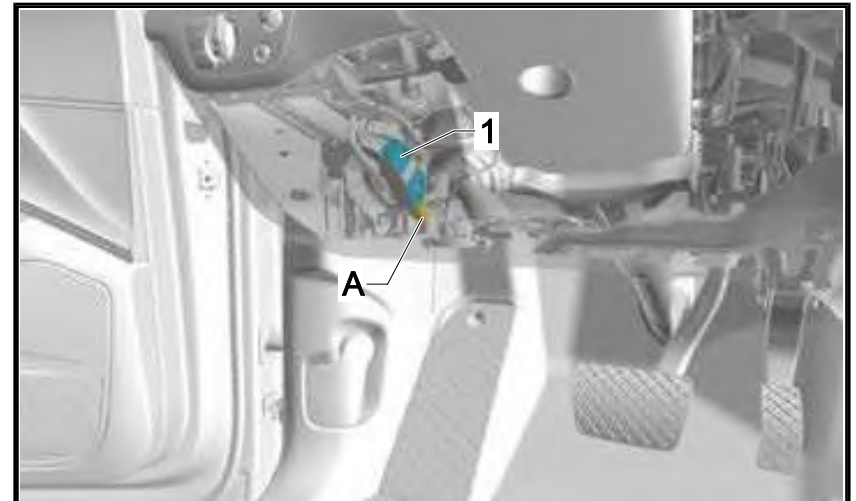
◆ ⇒ [“1.36.1 Driver side ionizer J1105 , location”, page 107](#)

◆ ⇒ [“1.36.2 Driver side ionizer J1105 , connector views”, page 109](#)

1.36.1 Driver side ionizer -J1105- , location

1 - Driver-side ioniser -J1105-

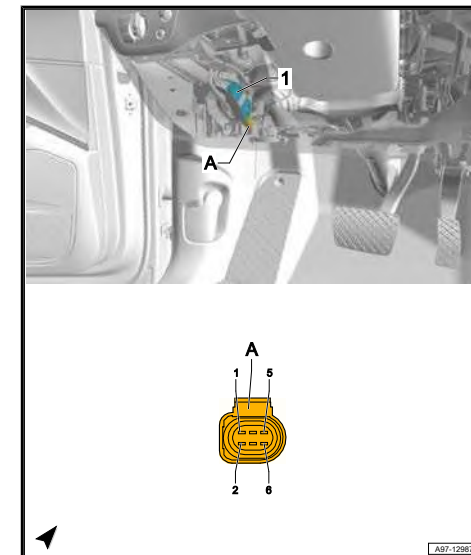
A - 6-Pin Connector -T6b- , black



A97-12987

1.36.2 Driver side ionizer -J1105- , connector views

6-Pin Connector -T6b-



T6b (A)	Designation
1	Terminal 30, from A68 A/C system connection (30) (in instrument panel wiring harness)
2	Terminal 31, to 44 Ground Connection (on left lower A-pillar) ¹⁾ 752 Ground connection 3 on right A-pillar ²⁾
3	LIN-Bus, to A227 LIN bus connection 2 (in instrument panel wiring harness)
4	Driver side ionizer button E830
5	Driver side ionizer button E830
6	Driver side ionizer button E830

¹⁾ Left-Hand Drive

²⁾ Right-hand drive

1.37 Front passenger side rear ionizer J1108

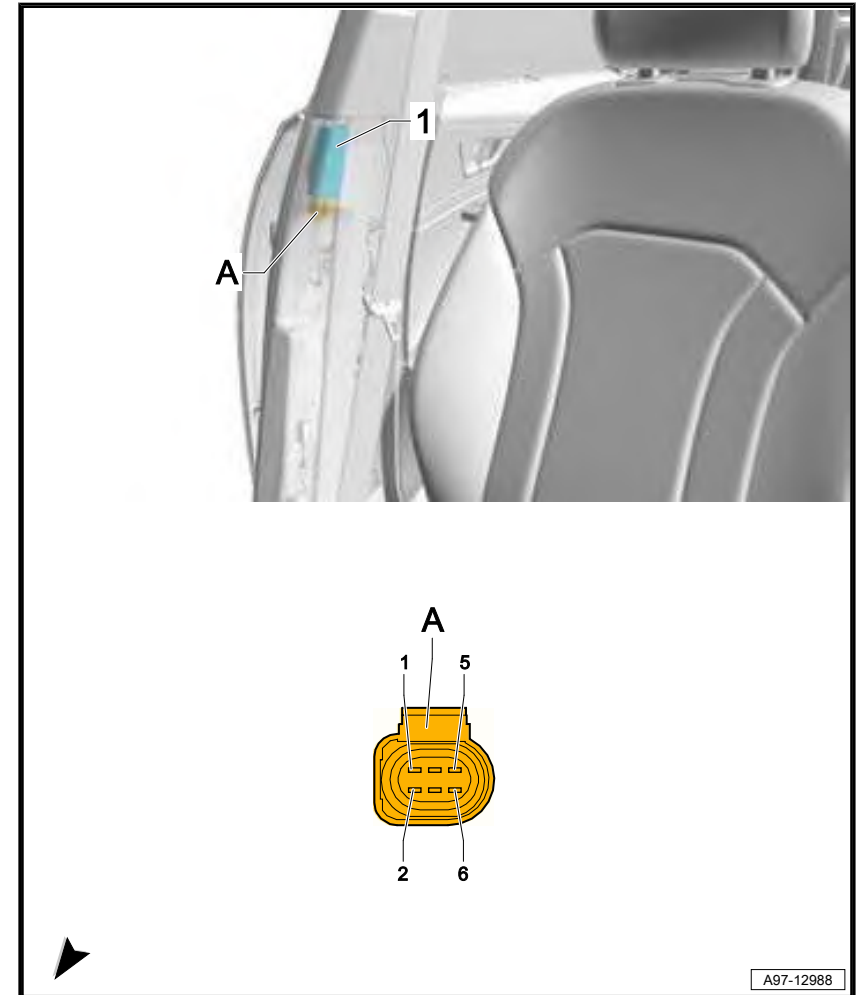
♦ ⇒ [“1.37.1 Front passenger side rear ionizer J1108 , location”, page 109](#)

♦ ⇒ [“1.37.2 Front passenger side rear ionizer J1108 , connector views”, page 111](#)

1.37.1 Front passenger side rear ionizer -J1108- , location

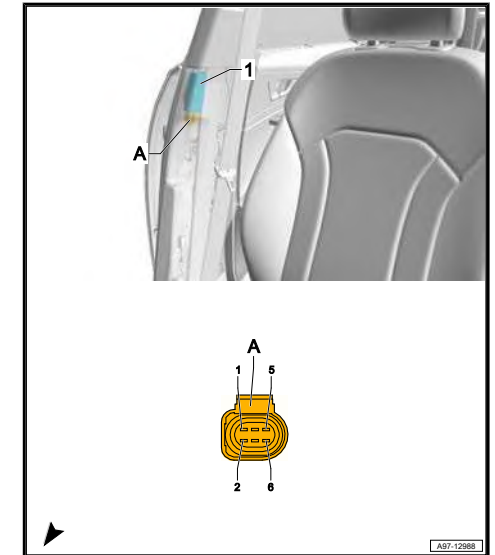
1 - Front passenger side rear ionizer -J1108-

A - 6-Pin Connector -T6k- , black



1.37.2 Front passenger side rear ionizer -J1108- , connector views

6-Pin Connector -T6k-



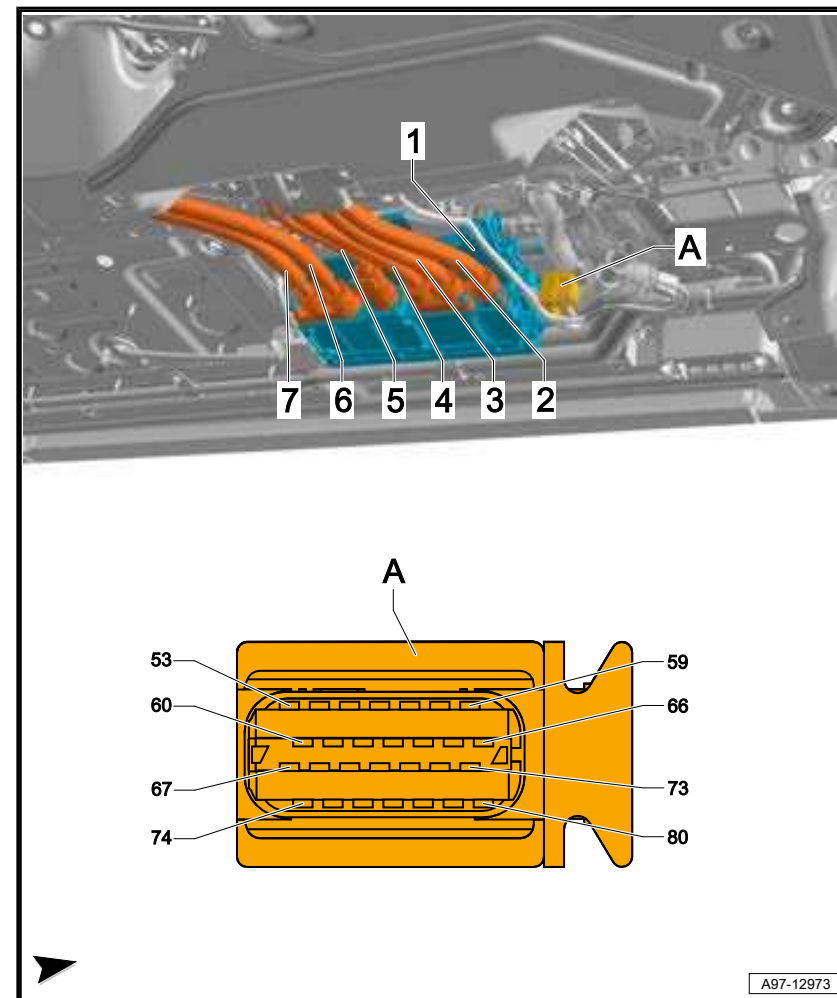
T6k (A)	Designation
1	Terminal 15, from B278 Positive connection 2 (15a) in main wiring harness
2	Terminal 31, to 720 Ground connection on right B-pillar
3	Rear A/C Display Control Head E265
4	Front passenger side rear ionizer button E833
5	Front passenger side rear ionizer button E833
6	Front passenger side rear ionizer button E833

1.38 Electric drive power and control electronics JX1

- ◆ ⇒ ["1.38.1 Electric drive power and control electronics JX1 , location", page 111](#)
- ◆ ⇒ ["1.38.2 Electric drive power and control electronics JX1 , connector views", page 113](#)

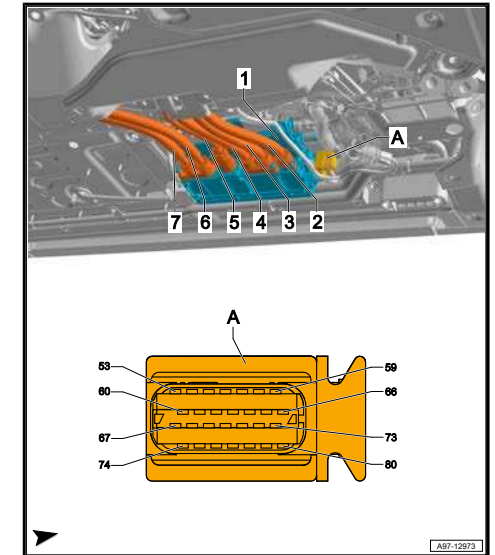
1.38.1 Electric drive power and control electronics -JX1- , location

- 1 - Electric Drive Power and Control Electronics -JX1-
- 2 - Drive Motor High Voltage Cable 3 -P6-
- 3 - Drive Motor High Voltage Cable 2 -P5-
- 4 - Drive Motor High Voltage Cable 1 -P4-
- 5 - Electrical A/C Compressor High Voltage Cable -P3-
- 6 - Hybrid Battery High Voltage Cable, Positive Terminal -P1-
- 7 - Hybrid Battery High Voltage Cable, Negative Terminal -P2-
- A - 28-Pin Connector -T28a- , black



1.38.2 Electric drive power and control electronics -JX1- , connector views

28-Pin Connector -T28a-



T28a (A)	Designation	T28a (A)	Designation
53	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533	67	
54	Data-Bus Wire (FlexRay-Bus), from Data Bus On Board Diagnostic Interface J533	68	CAN-Bus Hybrid High, to B776 Hybrid CAN bus high connection 1 (in main wiring harness)
55	Pilot line to contact 80 on connector T28a	69	Drive motor temperature sensor G712
56		70	
57		71	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB
58	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF	72	
59	Terminal 31, to 79 Ground connection on left B-pillar	73	
60		74	
61		75	CAN-Bus Hybrid Low, to B777 Hybrid CAN bus low connection 1 (in main wiring harness)
62	Drive motor temperature sensor G712	76	Drive motor rotor position sensor 1 G713
63		77	Drive motor rotor position sensor 1 G713
64		78	Drive motor rotor position sensor 1 G713
65		79	Drive motor rotor position sensor 1 G713
66		80	Pilot line to contact 55 on connector T28a

1.39 Driver assistance systems front camera R242

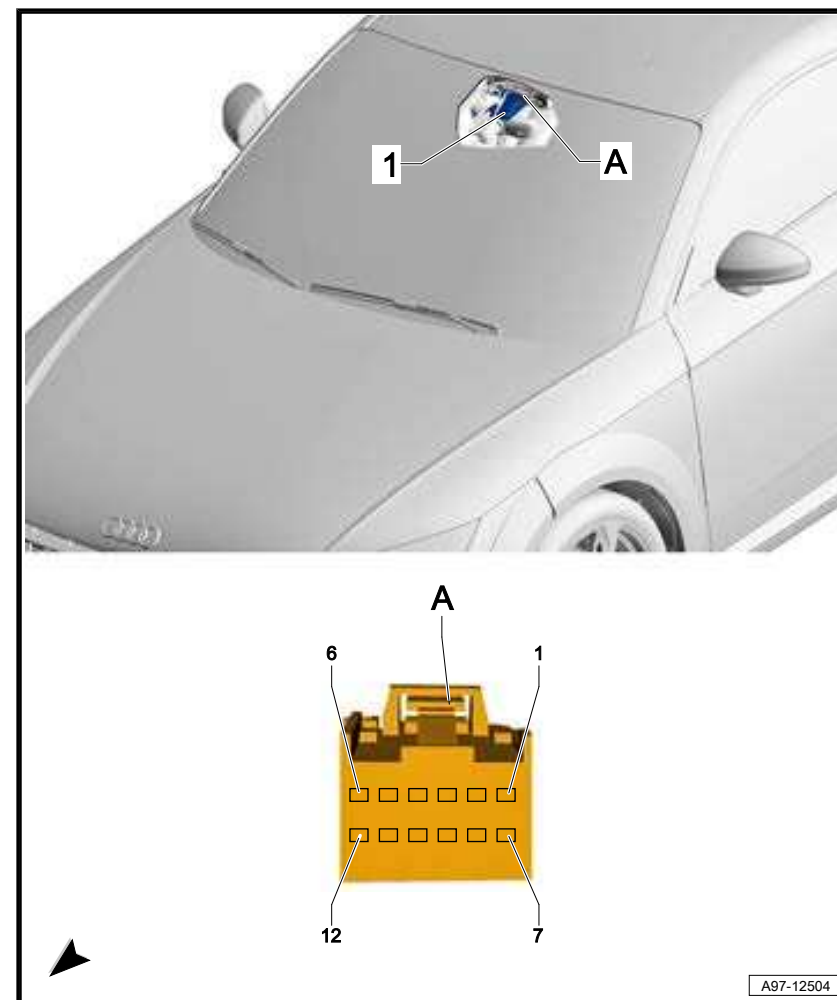
◆ ⇒ [“1.39.1 Driver assistance systems front camera R242 , location”, page 114](#)

◆ ⇒ [“1.39.2 Driver assistance systems front camera R242 , connector views”, page 115](#)

1.39.1 Driver assistance systems front camera -R242- , location

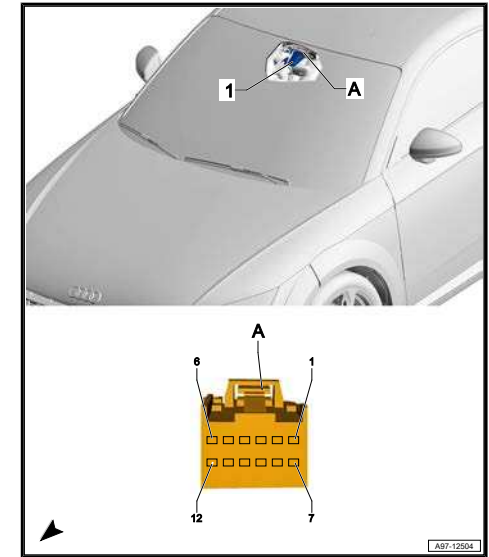
1 - Driver assistance systems front camera -R242-

A - 12-Pin Connector -T12c- , black



1.39.2 Driver assistance systems front camera -R242- , connector views

12-Pin Connector -T12c-



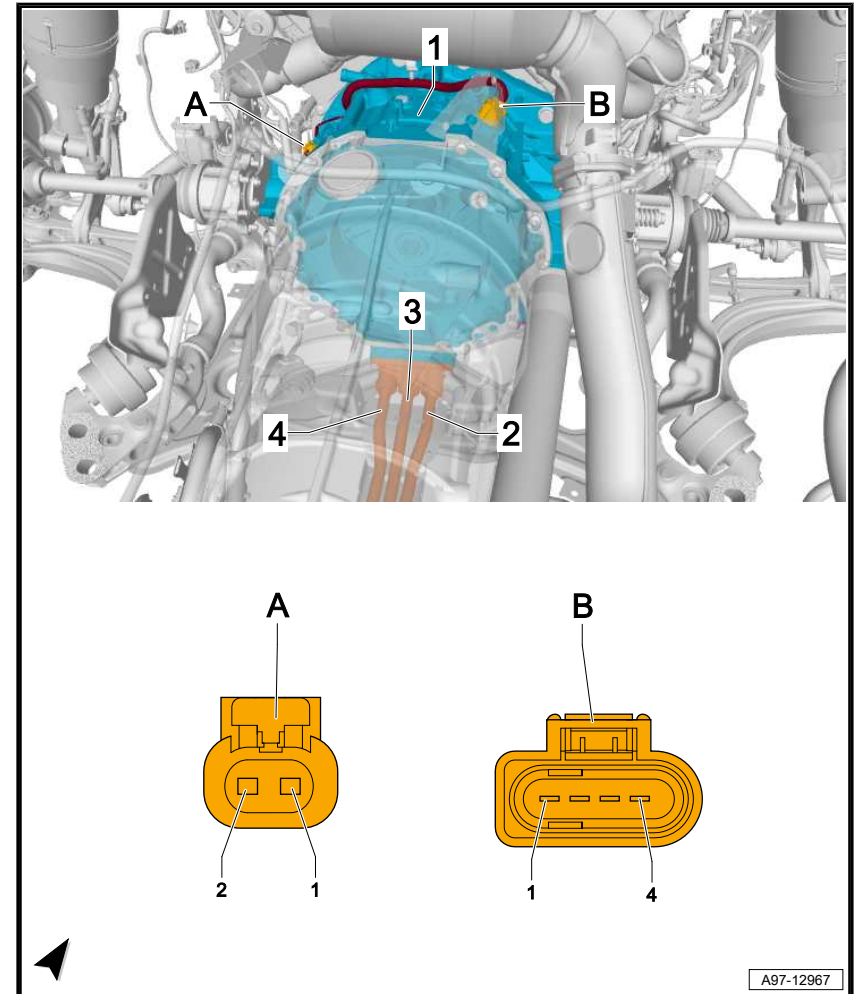
T12c (A)	Designation	T12c (A)	Designation
1	CAN-Bus, vehicle electrical system control module, Low, to E160 CAN-Bus Low Connection 1 (vehicle electrical system control module)	7	CAN-Bus, vehicle electrical system control module, High, to E159 CAN-Bus High Connection 1 (vehicle electrical system control module)
2	FlexRay-Bus, from Data Bus On Board Diagnostic Interface J533 ¹⁾ or Drivetrain control module J775 ²⁾	8	FlexRay-Bus, to Steering column electronics control module J527
3	FlexRay-Bus, from Data Bus On Board Diagnostic Interface J533 ¹⁾ or Drivetrain control module J775 ²⁾	9	FlexRay-Bus, to Steering column electronics control module J527
4		10	
5	Terminal 31, to 689 Ground connection (on center/front roof)	11	
6	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB	12	

¹⁾ Only models without Drivetrain control module J775

²⁾ Only models with Drivetrain control module J775

1.40 Three-phase current drive VX54

- 1 - Three-Phrase Current Drive -VX54-
- 2 - Drive Motor High Voltage Cable 1 -P4-
- 3 - Drive Motor High Voltage Cable 2 -P5-
- 4 - Drive Motor High Voltage Cable 3 -P6-
- A - Double Connector -T2ns- , black
- B - 4-Pin Connector -T4hk- , black

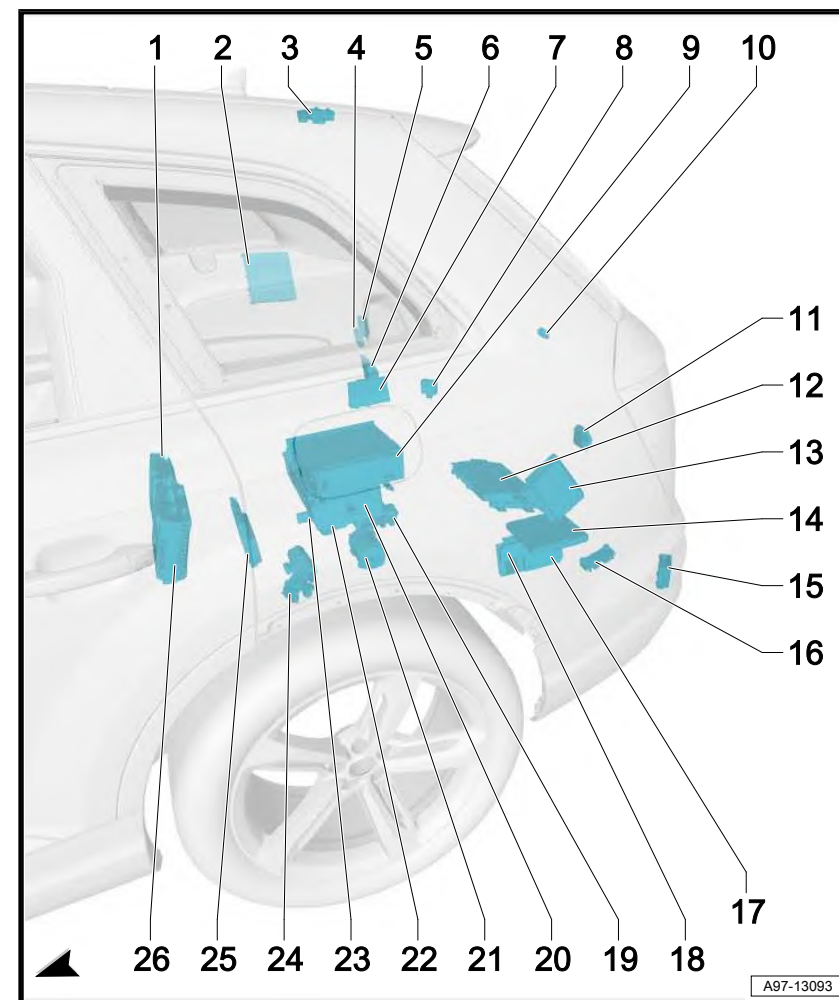


1 Comp. Loc. Vehicle Rear Modules

- ◆ ⇒ [“1.1 Vehicle Rear Modules Overview”, page 1](#)
- ◆ ⇒ [“1.2 Vehicle Rear Modules, W/ High-Voltage System, overview”, page 3](#)

1.1 Vehicle Rear Modules Overview

- 1 - ⇒ [“1.4 Voltage converter, 48 V/12 V A7”, page 5](#)
 - ❑ Only models with 48 V vehicle electrical system (VH2) and 5 seater models (5KA)
- 2 - ⇒ [“1.27 TV Tuner R78”, page 73](#)
- 3 - ⇒ [“1.13 Rear lid control module J605”, page 39](#)
- 4 - ⇒ [“1.28 Amplifier for Telephone R86 ”, page 75](#)
- 5 - ⇒ [“1.26 Auxiliary Heater RF Receiver R64”, page 71](#)
- 6 - ⇒ [“1.19 Reducing Agent Metering System Control Module J880”, page 54](#)
- 7 - ⇒ [“1.18 Third row seat adjustment control module J857”, page 49](#)
 - ❑ Only models without High-Voltage System (0K0)
- 7 - ⇒ [“1.22 Engine sound generator control module J943”, page 60](#)
 - ❑ Only models with High-Voltage System (0K3)
- 8 - ⇒ [“1.15 Lane Change Assistance Control Module J769”, page 43](#)
- 9 - ⇒ [“1.25 CD Changer R41 / DVD Changer R161”, page 69](#)
- 10 - ⇒ [“1.17 Rear View Camera System Control Module J772”, page 47](#)
- 11 - ⇒ [“1.12 Garage Door Opener Control Module J530”, page 37](#)
- 12 - ⇒ [“1.11 Digital Sound System Control Module J525”, page 27](#)
 - ❑ Only models without High-Voltage System (0K0)
- 13 - ⇒ [“1.8 Towing recognition control module J345”, page 17](#)
- 14 - ⇒ [“1.9 Comfort System Central Control Module J393”, page 21](#)
- 15 - ⇒ [“1.16 Lane Change Assistance Control Module 2 J770”, page 45](#)
- 16 - ⇒ [“1.21 Rear lid opening control module J938”, page 58](#)
- 17 - ⇒ [“1.22 Engine sound generator control module J943”, page 60](#)
- 18 - ⇒ [“1.20 Peripheral Camera Control Module J928”, page 56](#)
- 19 - ⇒ [“1.24 Sway stabilization control module 2 J1096”, page 67](#)
 - ❑ Only models with 48 V vehicle electrical system (VH2)





20 - ⇒ ["1.3 Battery, 48 V A6", page 3](#)

- ☐ Only models with 48 V vehicle electrical system (VH2)

21 - ⇒ ["1.23 Rear axle steering control module J1019", page 64](#)

22 - ⇒ ["1.4 Voltage converter, 48 V/12 V A7", page 5](#)

- ☐ Only models with 48 V vehicle electrical system (VH2) and 7 seater models (5KL)

23 - ⇒ ["1.10 Tire Pressure Monitoring Control Module J502", page 25](#)

24 - ⇒ ["1.14 Axle differential lock control module J647", page 42](#)

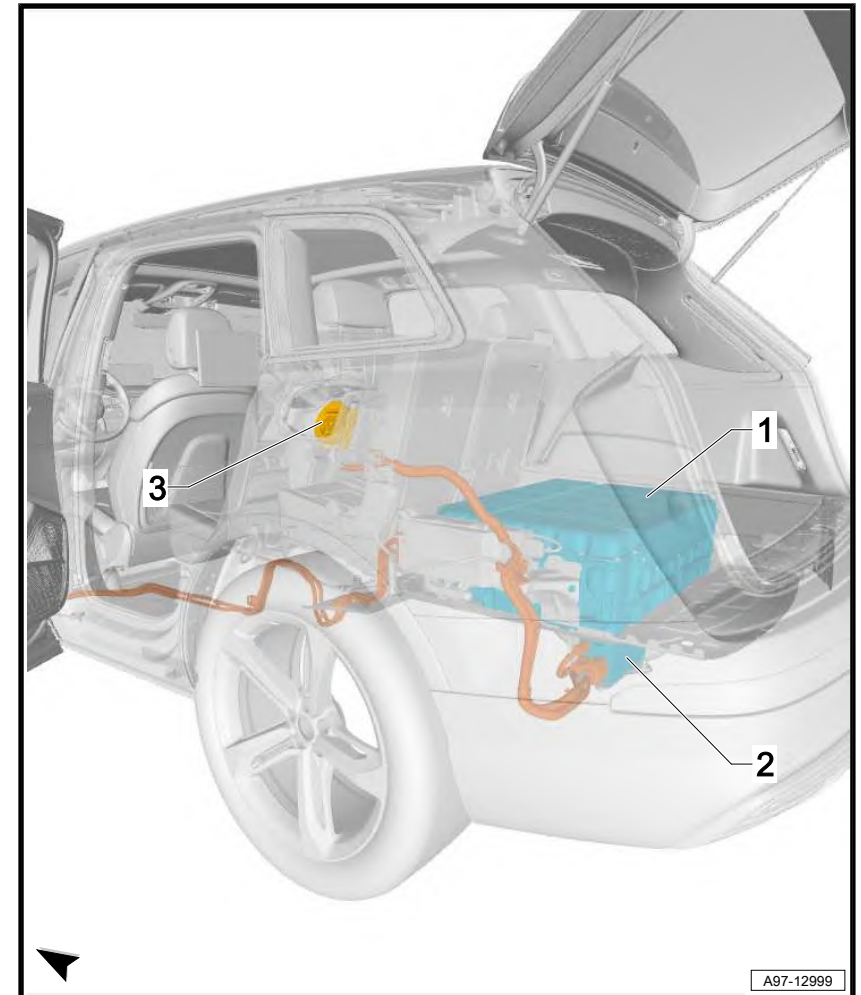
25 - ⇒ ["1.7 Differential lock control module J187", page 14](#)

26 - ⇒ ["1.11 Digital Sound System Control Module J525", page 27](#)

- ☐ Only models with High-Voltage System (0K3)

1.2 Vehicle Rear Modules, W/ High-Voltage System, overview

- 1 - ⇒ [“1.5 Hybrid battery unit AX1”, page 9](#)
- 2 - ⇒ [“1.6 High voltage battery charger 1 AX4”, page 11](#)
- 3 - ⇒ [“1.29 High voltage battery charging socket 1 UX4”, page 77](#)



1.3 Battery, 48 V A6

- ◆ ⇒ [“1.3.1 Battery, 48 V A6 , location”, page 4](#)
- ◆ ⇒ [“1.3.2 Battery, 48 V A6 , connector views”, page 5](#)

1.3.1 Battery, 48 V -A6- , location



Note

The illustration shows installation in a 7-seater model (5KL). On 5-seater models (5KA), the battery is

1 - Battery, 48 V -A6-

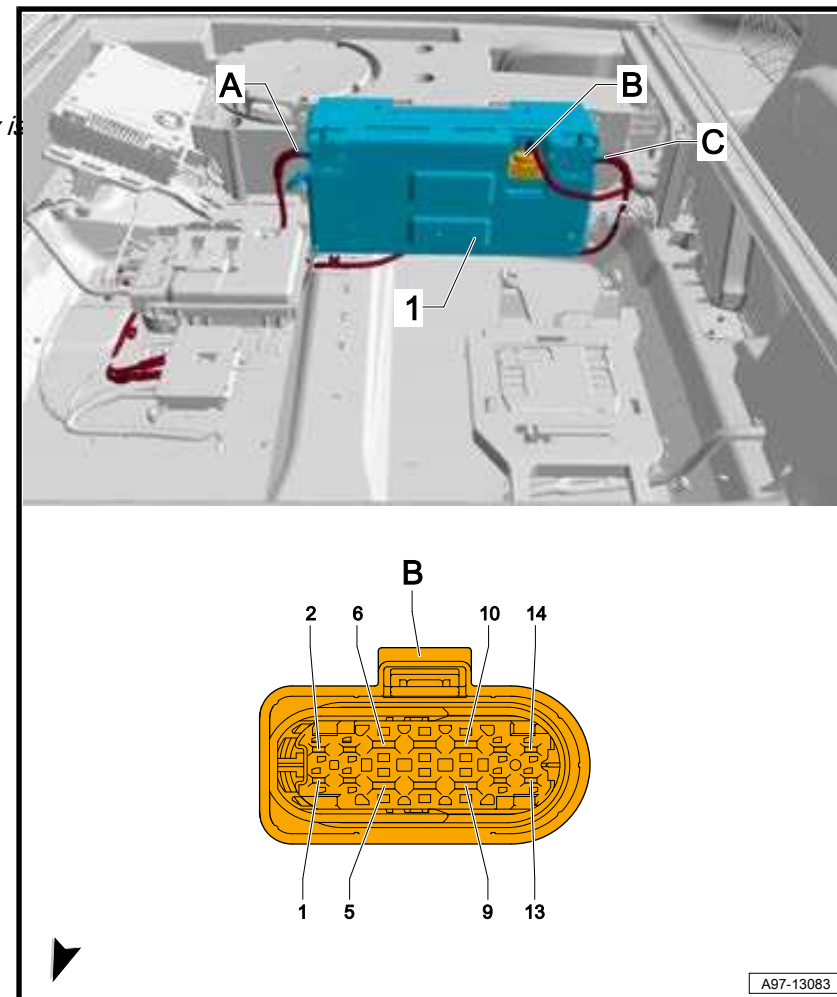
A - Terminal 40

- ☐ to connection B in Terminal 40 wire junction 2 TV67

B - 14-Pin Connector -T14r- , black

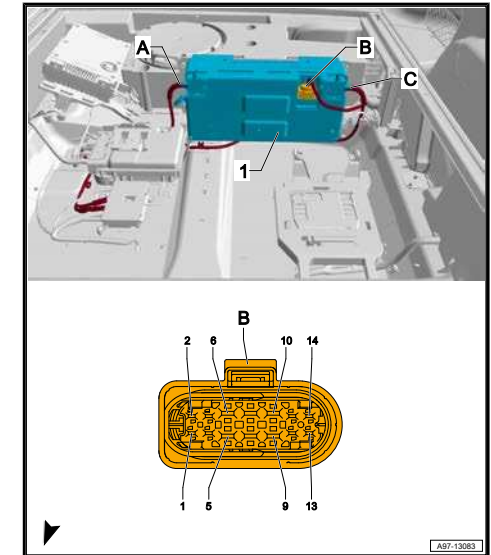
C - Terminal 41

- ☐ 5 seater models (5KA): to 66 Ground connection (on right rear long member)
- ☐ 7 seater models (5KL): to 69 Ground connection (on right cross member)



1.3.2 Battery, 48 V -A6- , connector views

14-Pin Connector -T14r-



T14r (B)	Designation	T14r (B)	Designation
1	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)	8	
2	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus Low connection 2 (in main wiring harness)	9	Terminal 31, to 61 Ground connection on left C-pillar ¹⁾ 675 Ground Connection 2 (in right luggage compartment) ²⁾
3	Airbag Control Module J234	10	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF
4		11	
5		12	Airbag Control Module J234
6		13	
7		14	

¹⁾ only for 5 seater models (5KA)

²⁾ only for 7 seater models (5KL)

1.4 Voltage converter, 48 V/12 V A7

- ◆ ⇒ [“1.4.1 Voltage converter, 48 V/12 V A7 , location, 5 seat \(5KA\)”, page 6](#)
- ◆ ⇒ [“1.4.2 Voltage converter, 48 V/12 V A7 , connector views, 5 seat \(5KA\)”, page 7](#)
- ◆ ⇒ [“1.4.3 Voltage converter, 48 V/12 V A7 , location 7 seat \(5KL\)”, page 7](#)

♦ ⇒ [“1.4.4 Voltage converter, 48 V/12 V A7 , connector views, 7 seat \(5KL\)”, page 9](#)

1.4.1 Voltage converter, 48 V/12 V -A7- , location, 5 seat (5KA)

1 - Voltage Converter, 48 V/12 V -A7-

A - 10-Pin Connector -T10ai- , black

B - Single Connector -T1v- , black

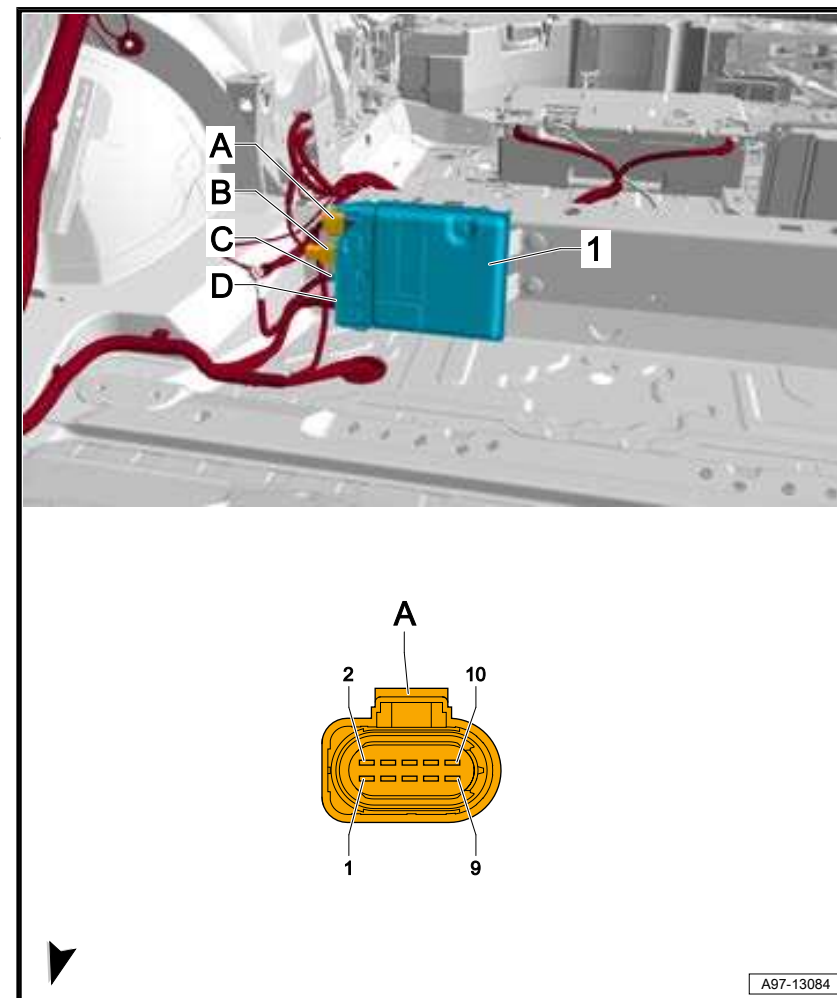
□ Terminal 40 to Fuse 1 on terminal 40 wire junction 2 S368 in Terminal 40 wire junction 2 TV67

C - Terminal 41

□ to 66 Ground connection (on right rear long member)

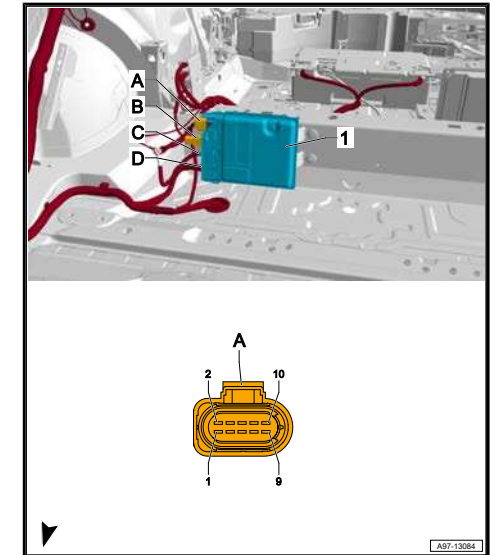
D - Terminal 30

□ to Fuse 4 on wire junction S374 in Wire junction TV1



1.4.2 Voltage converter, 48 V/12 V -A7- , connector views, 5 seat (5KA)

10-Pin Connector -T10ai-



T10ai (A)	Designation		T10ai (A)	Designation
1			6	
2			7	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus Low connection 2 (in main wiring harness)
3			8	
4			9	
5	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)		10	

1.4.3 Voltage converter, 48 V/12 V -A7- , location 7 seat (5KL)

1 - Voltage Converter, 48 V/12 V -A7-

A - 10-Pin Connector -T10ai- , black

B - Terminal 40

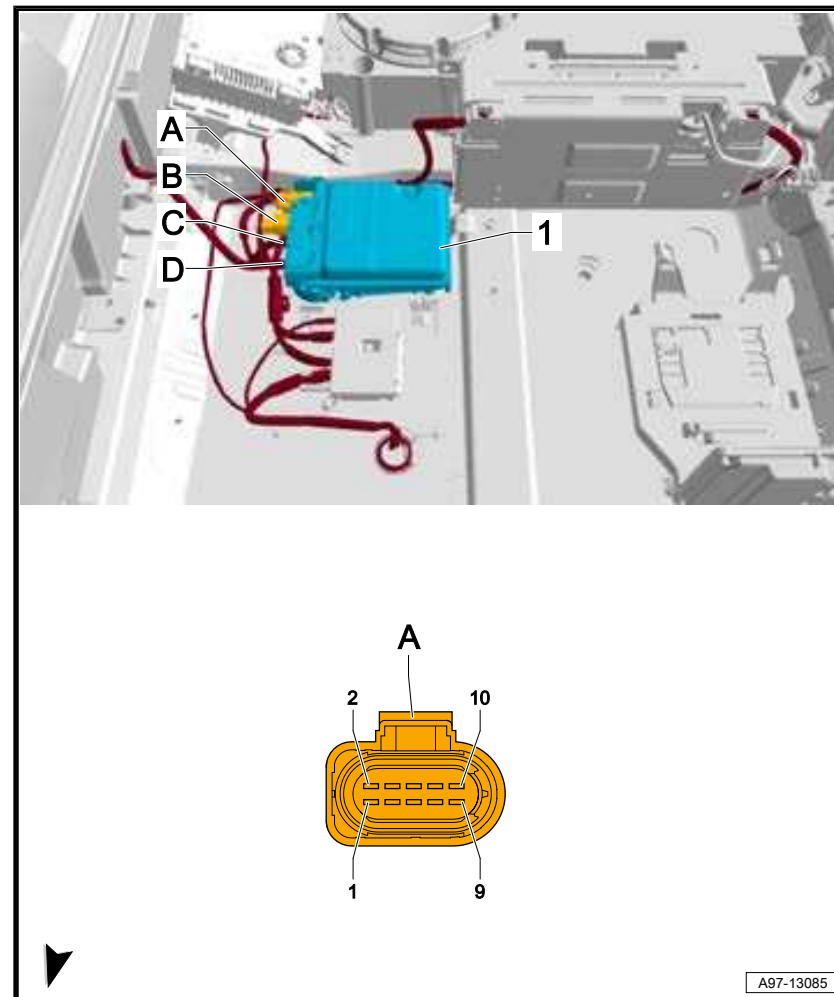
- ❑ to Fuse 1 on terminal 40 wire junction 2 S368 in Terminal 40 wire junction 2 TV67

C - Terminal 41

- ❑ to 69 Ground connection (on right cross member)

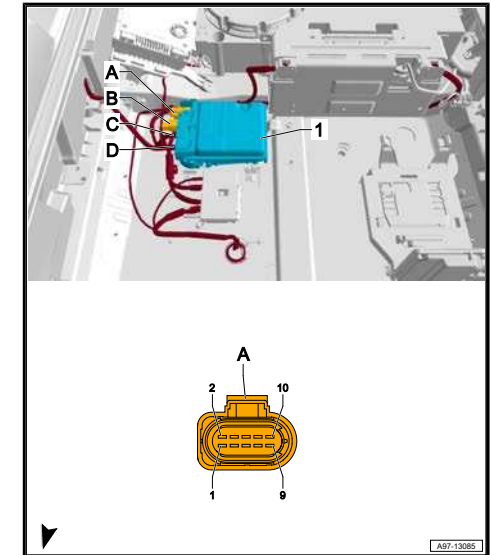
D - Terminal 30

- ❑ to Fuse 4 on wire junction S374 in Wire junction TV1



1.4.4 Voltage converter, 48 V/12 V -A7- , connector views, 7 seat (5KL)

10-Pin Connector -T10ai-



T10ai (A)	Designation		T10ai (A)	Designation
1			6	
2			7	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus Low connection 2 (in main wiring harness)
3			8	
4			9	
5	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)		10	

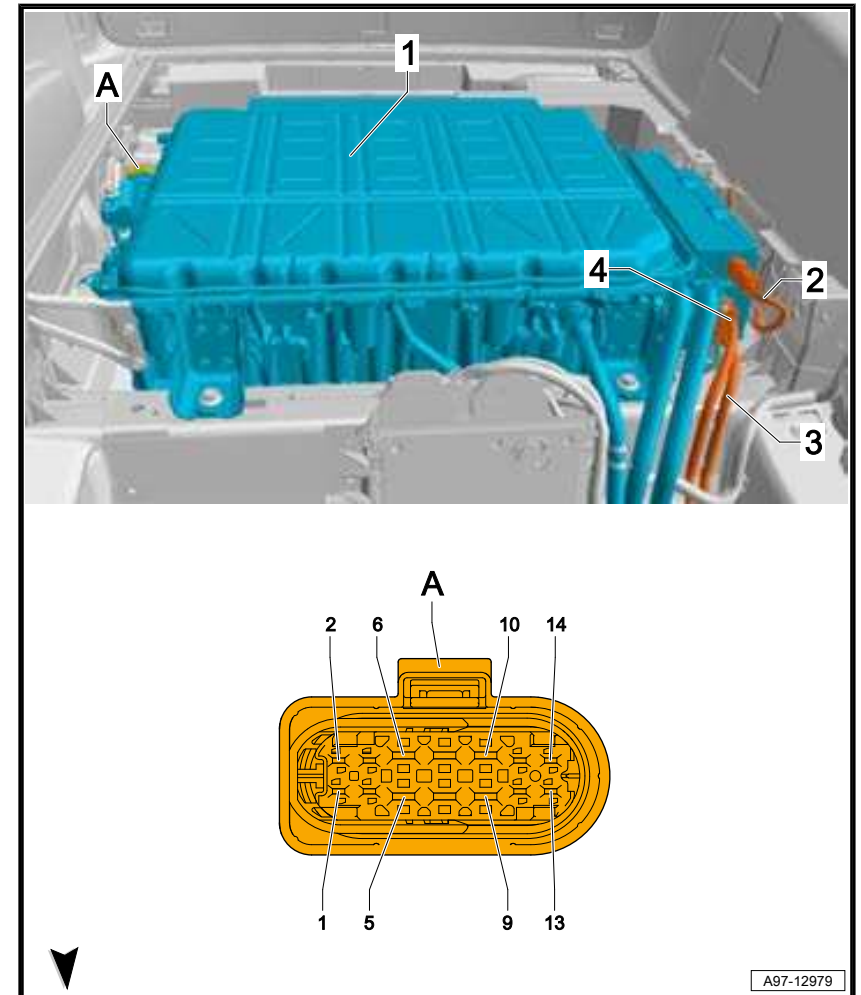
1.5 Hybrid battery unit AX1

♦ ⇒ [“1.5.1 Hybrid battery unit AX1 , location”, page 9](#)

♦ ⇒ [“1.5.2 Hybrid battery unit AX1 , connector views”, page 11](#)

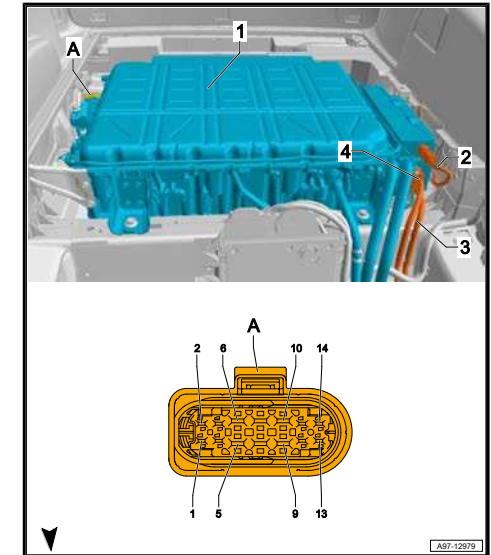
1.5.1 Hybrid battery unit -AX1- , location

- 1 - Hybrid Battery Unit -AX1-
- 2 - High voltage battery charger high voltage wiring -P25-
- 3 - Hybrid Battery High Voltage Cable, Negative Terminal -P2-
- 4 - Hybrid Battery High Voltage Cable, Positive Terminal -P1-
- A - 14-Pin Connector -T14h- , black



1.5.2 Hybrid battery unit -AX1- , connector views

14-Pin Connector -T14h-



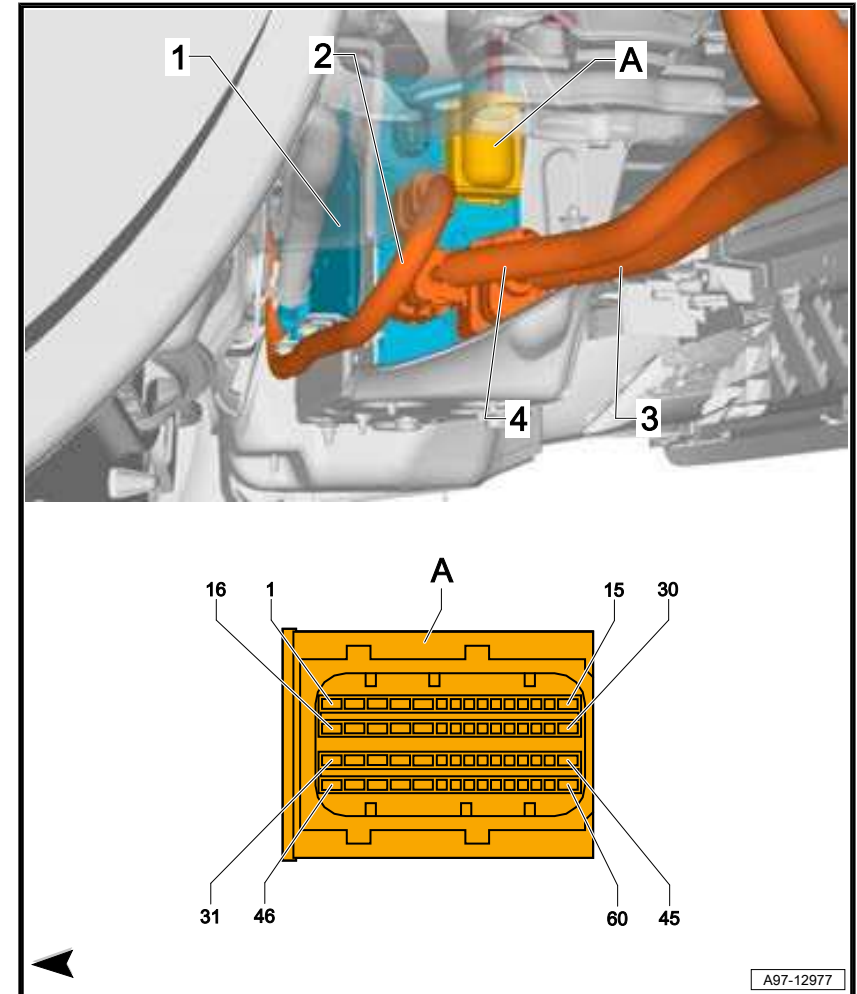
T14h (A)	Designation	T14h (A)	Designation
1	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)	8	
2	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus low connection 2 (in main wiring harness)	9	Terminal 31, to 675 Ground connection 2 in luggage compartment on the right side
3	Airbag Control Module J234	10	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF
4	High Voltage System Maintenance ConnectorTW (pilot line)	11	High voltage heater (PTC) control module J848 (pilot line)
5	Engine Coolant Pump Relay J235	12	Airbag Control Module J234
6	High Voltage System Maintenance Connector TW	13	
7	High voltage battery coolant pump V590	14	

1.6 High voltage battery charger 1 AX4

- ⇒ [“1.6.1 High voltage battery charger 1 AX4 , location”, page 11](#)
- ⇒ [“1.6.2 High voltage battery charger 1 AX4 , connector views”, page 13](#)

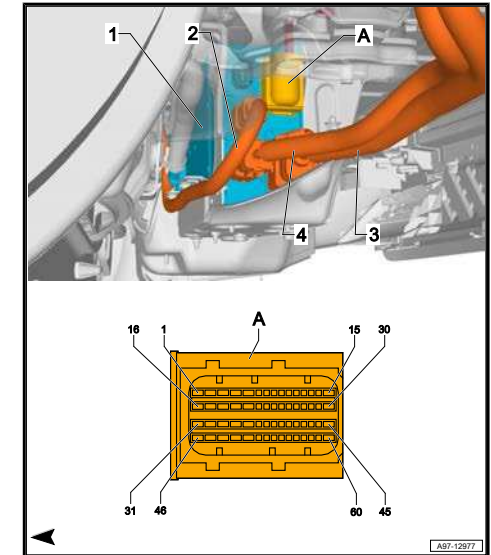
1.6.1 High voltage battery charger 1 -AX4- , location

- 1 - High voltage battery charger 1 -AX4-
- 2 - High voltage heating high voltage cable (PTC) -P11-
- 3 - High voltage charging socket high voltage cable
- 4 - High voltage battery charger high voltage wiring -P25-
- A - 60-Pin Connector -T60a- , black



1.6.2 High voltage battery charger 1 -AX4- , connector views

60-Pin Connector -T60a-



T60a (A)	Designation	T60a (A)	Designation	T60a (A)	Designation
1	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF	21	Battery charging button module EX32	41	
2		22	Battery charging button module EX32	42	
3	Ground supply Battery charging button module EX32	23	High voltage battery charging socket 1 UX4	43	
4	Battery charging button module EX32	24	High voltage battery charging socket 1 UX4	44	
5	Battery charging button module EX32	25	Battery charging button module EX32	45	
6	Battery charging button module EX32	26	Battery charging button module EX32	46	
7		27	Charging socket temperature sensor 1 G853 in High voltage battery charging socket 1 UX4	47	
8	High voltage battery charging socket 1 UX4 1) 2)	28	Charging socket temperature sensor 1 G853 in High voltage battery charging socket 1 UX4	48	
9	CAN-Bus Hybrid High, to B816 Hybrid CAN bus high connection 2 (in main wiring harness)	29		49	
10	CAN-Bus Hybrid Low, to B817 Hybrid CAN bus low connection 2 (in main wiring harness)	30		50	
11		31	High voltage charge flap lock 1 adjuster F496	51	

T60a (A)	Designation	T60a (A)	Designation	T60a (A)	Designation
12		32	High voltage charge flap lock 1 adjuster F496	52	
13		33		53	
14		34		54	
15		35		55	
16	High voltage connector lock 1 adjuster F498 in High voltage battery charging socket 1 UX4	36		56	
17	High voltage connector lock 1 adjuster F498 in High voltage battery charging socket 1 UX4	37		57	
18	High voltage connector lock 1 adjuster F498 in High voltage battery charging socket 1 UX4	38		58	
19	High voltage connector lock 1 adjuster F498 in High voltage battery charging socket 1 UX4	39		59	
20		40		60	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left

1) Only models with Japan equipment

2) Only models for US/CDN

1.7 Differential lock control module J187

◆ ⇒ [“1.7.1 Differential lock control module J187 , location”, page 14](#)

◆ ⇒ [“1.7.2 Differential lock control module J187 , connector views”, page 16](#)

1.7.1 Differential lock control module -J187- , location

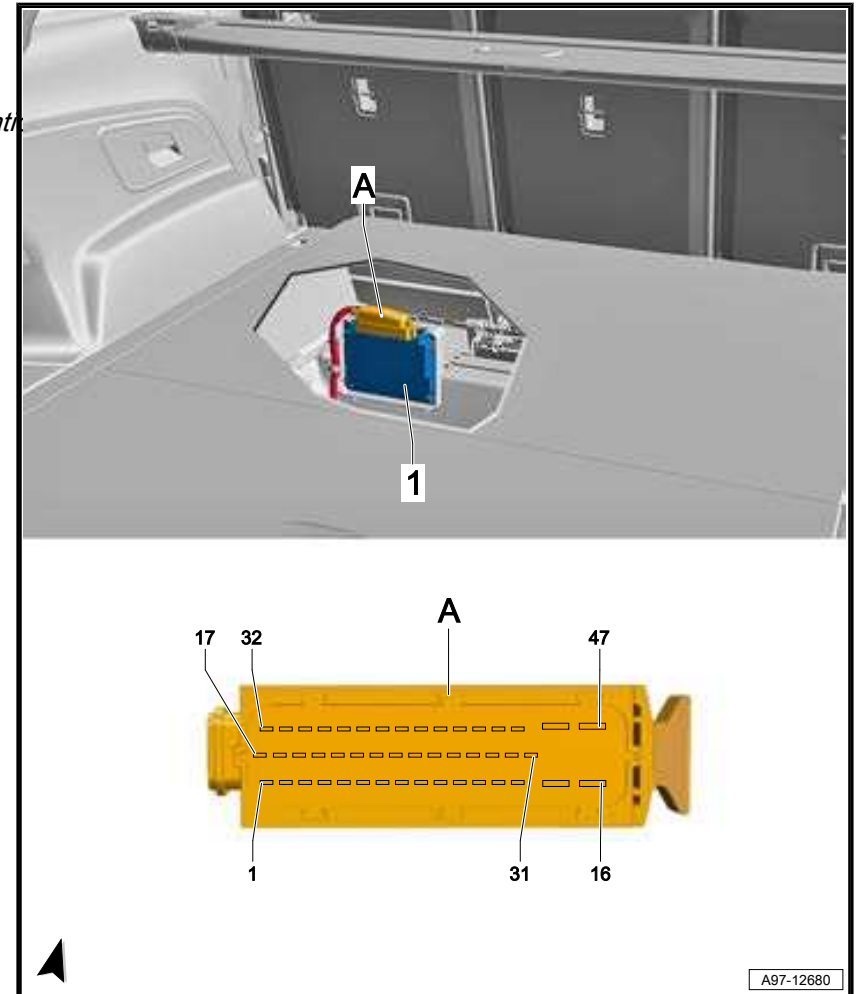


Note

Illustration shows location for models without third row seat. For models with third row seat the location is different.

1 - Differential lock control module -J187-

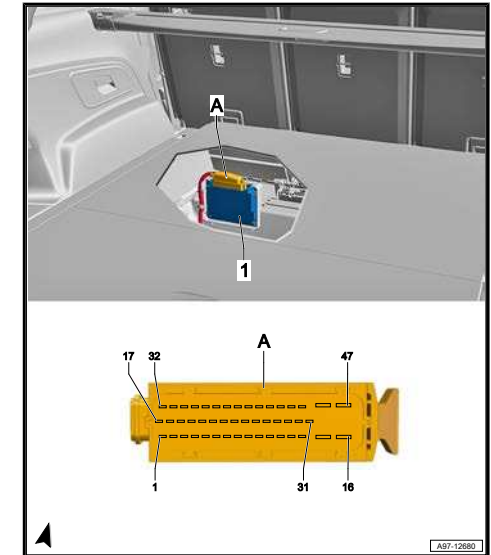
A - 47-Pin Connector -T47a- , black



A97-12680

1.7.2 Differential lock control module -J187- , connector views

47-Pin Connector -T47a-



T47a (A)	Designation	T47a (A)	Designation	T47a (A)	Designation
1	4-Pin Connector T4bf on Axle differential lock control module J647	17	4-Pin Connector T4bf on Axle differential lock control module J647	33	
2		18	4-Pin Connector T4bf on Axle differential lock control module J647	34	
3		19		35	4-Pin Connector T4bf on Axle differential lock control module J647
4	4-Pin Connector T4bf on Axle differential lock control module J647	20	4-Pin Connector T4bf on Axle differential lock control module J647	36	
5		21	4-Pin Connector T4bf on Axle differential lock control module J647	37	
6		22		38	
7		23		39	
8		24		40	FlexRay-Bus, from Data Bus On Board Diagnostic Interface J533
9		25		41	FlexRay-Bus, from Data Bus On Board Diagnostic Interface J533
10		26		42	FlexRay-Bus, to Data Bus On Board Diagnostic Interface J533 ¹⁾ Rear axle steering control module J1019 ²⁾

T47a (A)	Designation	T47a (A)	Designation	T47a (A)	Designation
11		27		43	FlexRay-Bus, to Data Bus On Board Diagnostic Interface J533 ¹⁾ Rear axle steering control module J1019 ²⁾
12		28	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness	44	Double Connector T2es on Axle differential lock control module J647
13	Double Connector T2er on Axle differential lock control module J647	29		45	Double Connector T2es on Axle differential lock control module J647
14	Double Connector T2er on Axle differential lock control module J647	30		46	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF
15	Double Connector T2er on Axle differential lock control module J647	31		47	Terminal 31, to 61 Ground connection on left C-pillar
16	Double Connector T2er on Axle differential lock control module J647	32	4-Pin Connector T4bf on Axle differential lock control module J647		

¹⁾ Only models without Rear axle steering control module J1019

²⁾ Only models with Rear axle steering control module J1019

1.8 Towing recognition control module J345

- ◆ ⇒ [“1.8.1 Towing recognition control module J345 , location”, page 17](#)
- ◆ ⇒ [“1.8.2 Towing recognition control module J345 , connector views, T24a”, page 19](#)
- ◆ ⇒ [“1.8.3 Towing recognition control module J345 , connector views, T6d, T10b, T10c”, page 20](#)

1.8.1 Towing recognition control module -J345- , location

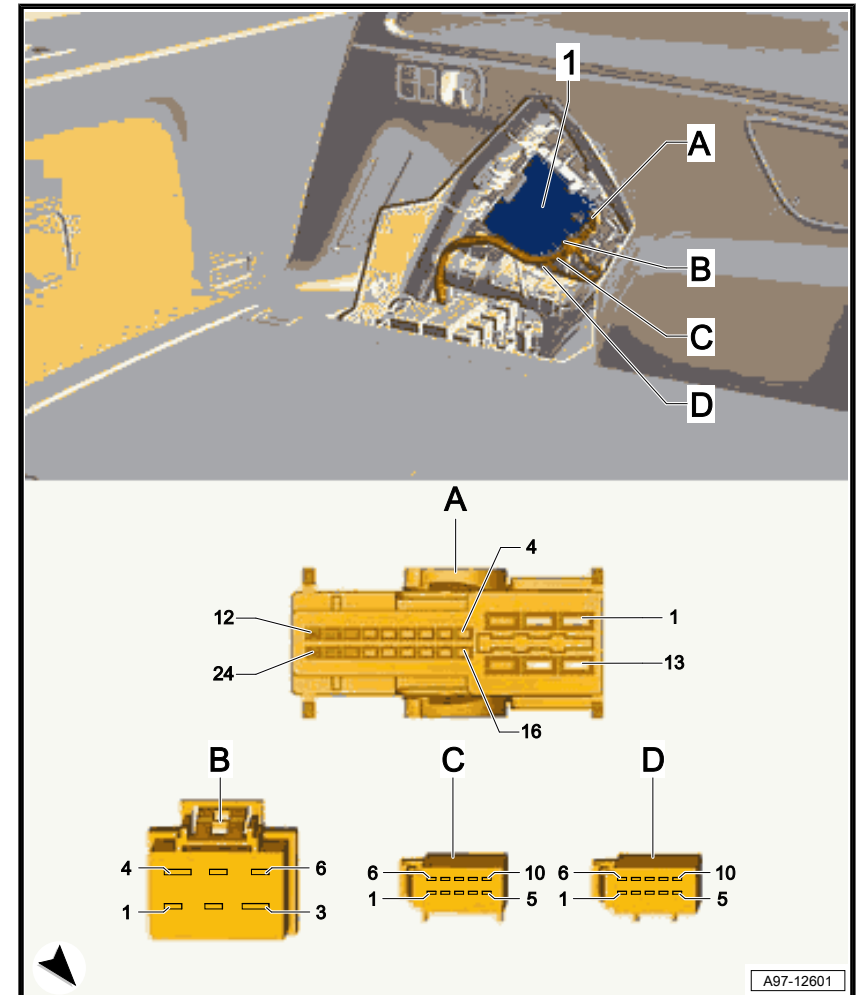
1 - Towing Recognition Control Module -J345-

A - 24-Pin Connector -T24a- , black

B - 6-Pin Connector -T6d- , black

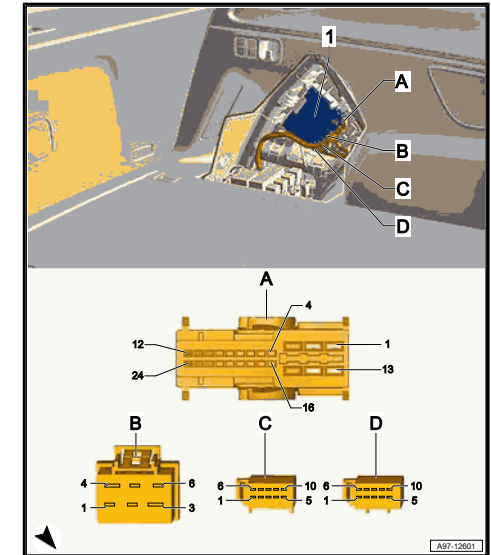
C - 10-Pin Connector -T10b- , black

D - 10-Pin Connector -T10c- , red



1.8.2 Towing recognition control module -J345- , connector views, T24a

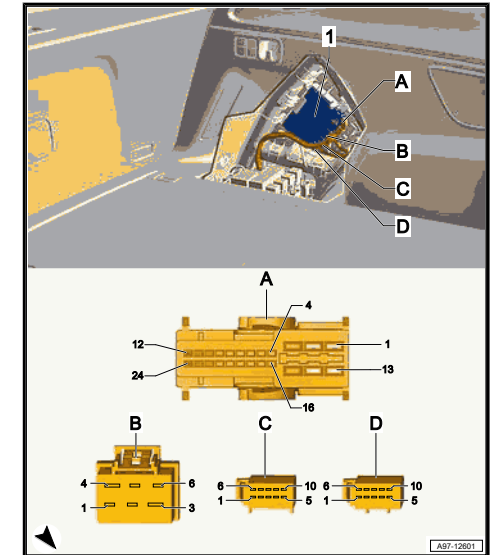
24-Pin Connector -T24a-



T24a (A)	Designation	T24a (A)	Designation	T24a (A)	Designation
1	Trailer Socket U10	9		17	
2	Trailer Socket U10	10		18	Trailer Socket U10
3	Trailer Socket U10	11		19	Trailer Socket U10
4	Trailer hitch bend angle sensor G820	12	Trailer Socket U10	20	
5		13	Swiveling Ball Head Motor V317	21	
6	Trailer hitch bend angle sensor G820	14	Swiveling Ball Head Motor V317	22	
7	Swiveling Ball Head Motor V317/Trailer hitch bend angle sensor G820	15	Trailer Socket U10	23	Trailer Socket U10
8	Swiveling Ball Head Motor V317	16		24	Trailer Socket U10

1.8.3 Towing recognition control module -J345- , connector views, T6d, T10b, T10c

6-Pin Connector -T6d- / 10-Pin Connector -T10b- / 10-Pin
Connector -T10c-



T6d (B)	Designation	T10b (C)	Designation	T10c (D)	Designation
1	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	1	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness	1	Electric Trailer Hitch Pivot Button E474
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	2	Brake Light Switch F	2	Fuse Carrier 2 ST2 in fuse panel F SF
3	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	3	Comfort System CAN-Bus High, from B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)	3	Fuse Carrier 2 ST2 in fuse panel F SF
4	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	4	Comfort System CAN-Bus Low, from B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)	4	Fuse Carrier 2 ST2 in fuse panel F SF
5	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	5		5	
6	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	6	Connector station for electromechanical brake booster TEBKV	6	
		7		7	
		8		8	Fuse Carrier 2 ST2 in fuse panel F SF
		9		9	
		10		10	

1.9 Comfort System Central Control Module J393

- ◆ ⇒ [“1.9.1 Comfort System Central Control Module J393 , location”, page 21](#)
- ◆ ⇒ [“1.9.2 Comfort System Central Control Module J393 , connector views, T17g, T32g, T17f”, page 22](#)
- ◆ ⇒ [“1.9.3 Comfort System Central Control Module J393 , connector views, T20b, T32h”, page 24](#)

1.9.1 Comfort System Central Control Module -J393- , location

1 - Comfort System Central Control Module -J393-

A - 17-Pin Connector -T17g- , brown

B - 32-Pin Connector -T32g- , black

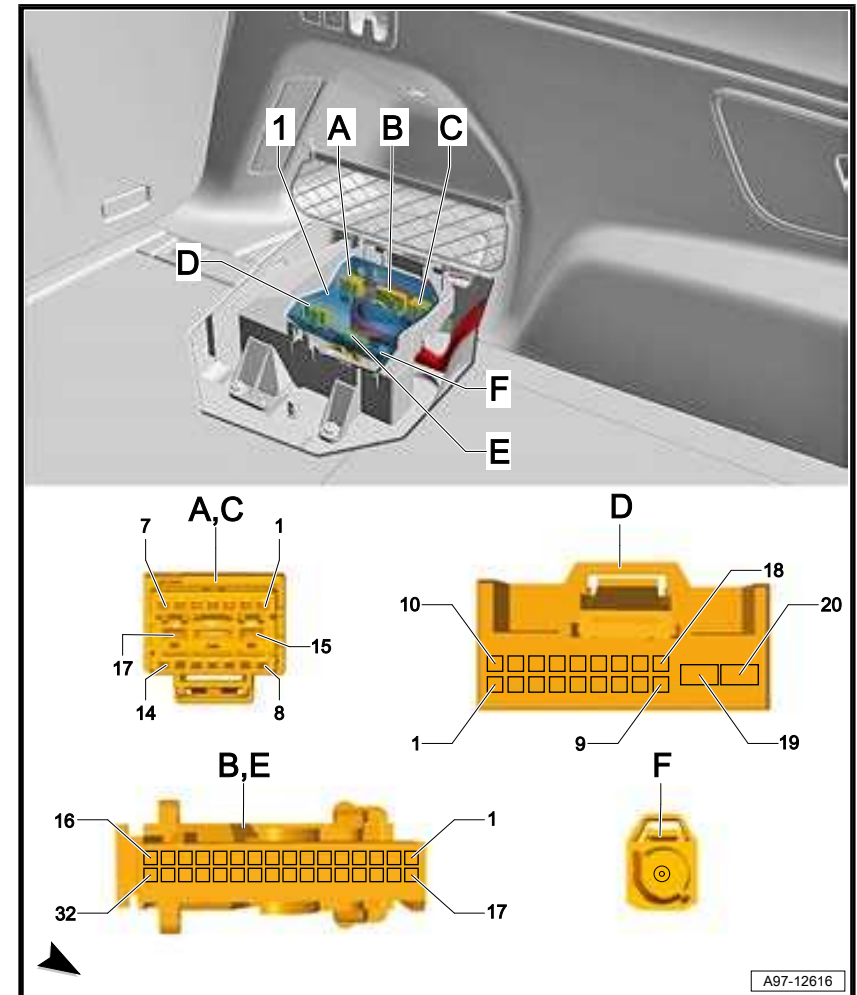
C - 17-Pin Connector -T17f- , black

D - 20-Pin Connector -T20b- , black

E - 32-Pin Connector -T32h- , blue

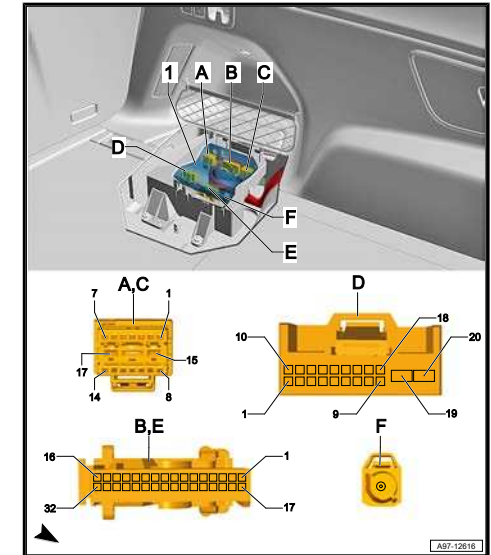
F - Double Connector -T2- , grey

❑ Installation of Double Connector is dependent on equipment



1.9.2 Comfort System Central Control Module -J393- , connector views, T17g, T32g, T17f

17-Pin Connector -T17g- / 32-Pin Connector -T32g- / 17-Pin
Connector -T17f-



T17g (A)	Designation	T32g (B)	Designation	T17f (C)	Designation
1	Right Back-Up Lamp M17 in right tail lamp 2 MX6	1	Left License Plate Light X4/Right License Plate Light X5	1	Right Brake Lamp 2 M87 in right tail lamp 2 MX6
2	Left brake lamp 2 M86 in left tail lamp 2 MX5	2		2	Left brake/tail lamp bulb M21 in left tail lamp 2 MX5
3	Right brake lamp bulb M10 in right tail lamp MX4	3		3	Left Back-Up Lamp M16 in left tail lamp 2 MX5
4	Left tail lamp bulb M4 in left tail lamp MX3	4		4	Left Brake Lamp M9 in left tail lamp MX3
5	Terminal 58s, to B733 Connection 3 (58s) in main wiring harness	5	LIN-Bus, to rear lid opening control module J938	5	Right Rear Turn Signal Lamp M8 in right tail lamp MX4
6	Right Rear Fog Lamp L47 in right tail lamp 2 MX6	6		6	Left Rear Fog Lamp L46 in left tail lamp 2 MX5
7	Right brake/tail lamp bulb M22 in right tail lamp 2 MX6	7		7	Right tail lamp bulb M2 in right tail lamp MX4
8		8		8	Rear lid opener control module J938
9		9		9	
10		10	Engine Control Module (ECM) J623	10	
11		11		11	Left tail lamp MX3/right tail lamp MX4
12		12	Brake Light Switch F	12	
13		13	Left Rear Level Control System Sensor G76 ¹⁾	13	

T17g (A)	Designation	T32g (B)	Designation	T17f (C)	Designation
14	Left Rear Turn Signal Lamp M6 in left tail lamp MX3	14	Left Front Level Control System Sensor G78 1) 2)	14	
15	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	15	Left Front Level Control System Sensor G78 1) 2)	15	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left
16	Terminal 30, from Fuse Carrier 1ST1 in fuse panel F SF	16	Suppressor C24/High-mount Brake Light M25	16	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel FSF
17	Terminal 30, from Fuse Carrier 1ST1 in fuse panel F SF	17	Terminal 15, from B281 Positive connection 5 (15a) in main wiring harness	17	
		18	Terminal 15 power supply relay J329		
		19	LIN-Bus, to Anti-theft alarm system sensor G578/Windshield defogger control module J505 ³⁾		
		20	LIN-Bus, to Alarm Horn H12		
		21	Left Front Level Control System Sensor G78 1) 2)		
		22			
		23			
		24			
		25			
		26			
		27			
		28			
		29	Left Rear Level Control System Sensor G76 1)		
		30	Fuel Tank Lid Unlock Motor V155		
		31	Fuel Tank Lid Unlock Motor V155		
		32	Rear window defogger relay J9		

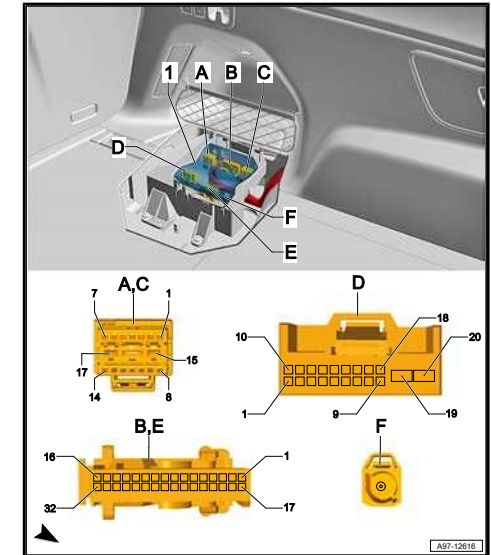
¹⁾ Only models without Drivetrain control module J775

²⁾ Only models with Light Emitting Diode (LED) Headlamps with Matrix-Beam (8G4)

³⁾ Only models with anti-theft alarm system with interior monitoring and Windshield defogger control module J505

1.9.3 Comfort System Central Control Module -J393- , connector views, T20b, T32h

20-Pin Connector -T20b- / 32-Pin Connector -T32h-



T20b (D)	Designation	T32h (E)	Designation	T32h (E)	Designation
1	Access/start system antenna 1 in vehicle interior R138	1	Comfort System CAN-Bus Low, to B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)	17	Rear Lid Closed Sensor 1 G525, Rear lid closed sensor 2 G526
2	Left Access/Start Authorization Antenna R200	2	Comfort System CAN-Bus High, to B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)	18	
3	Left Access/Start Authorization Antenna R200	3		19	
4		4		20	Left Rear Level Control System Sensor G76 ¹⁾
5	Right Access/Start Authorization Antenna R201	5		21	Fuel Level Sensor G
6	Right Access/Start Authorization Antenna R201	6		22	Fuel Level Sensor 2 G169
7	Access/start system antenna in luggage compartment R137	7		23	
8	Access/start system antenna in luggage compartment R137	8		24	
9		9	Fuel Level SensorG/Fuel Level Sensor 2 G169	25	Access/start authorization button E408
10	Access/start system antenna 1 in vehicle interior R138	10	Access/start authorization button E408	26	Access/start authorization button E408

T20b (D)	Designation	T32h (E)	Designation	T32h (E)	Designation
11	Rear Lid Central Locking System Motor V53	11		27	
12	Right Rear Outside Door Handle Touch Sensor G418	12	Rear Window Glass Breakage Sensor G304	28	Trunk Lock/Alarm/Central Locking Switch F124
13	Left Rear Outside Door Handle Touch Sensor G417	13	Rear Lid Closed Sensor 2 G526	29	Rear Lid Closed Sensor 1 G525
14	Right Front Outside Door Handle Touch Sensor G606	14		30	Rear Lid Handle Unlock Switch E234
15	Left Front Outside Door Handle Touch Sensor G605	15	Trunk Lid Alarm Switch F123	31	
16		16		32	
17					
18					
19					
20					

1) Only models without Drivetrain control module J775

1.10 Tire Pressure Monitoring Control Module J502

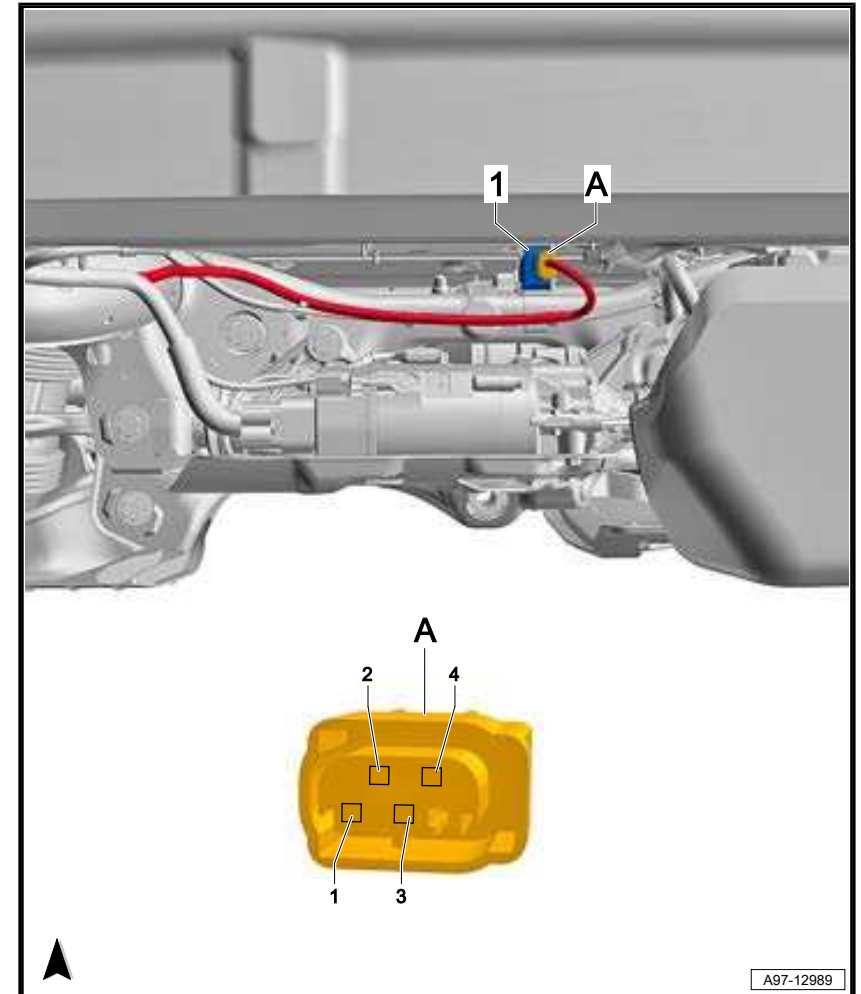
◆ ⇒ [“1.10.1 Tire Pressure Monitoring Control Module J502 , location”, page 25](#)

◆ ⇒ [“1.10.2 Tire Pressure Monitoring Control Module J502 , connector views”, page 27](#)

1.10.1 Tire Pressure Monitoring Control Module -J502- , location

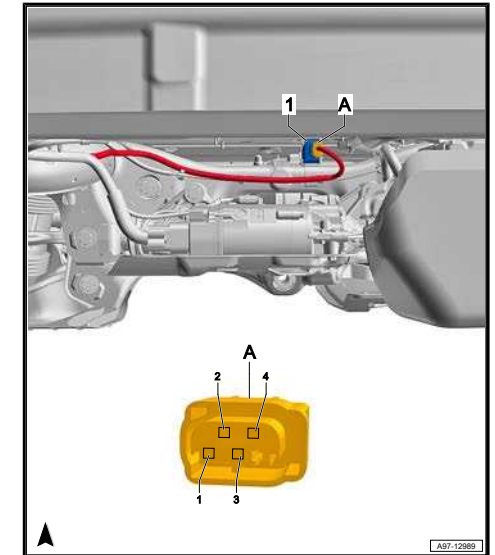
1 - Tire Pressure Monitoring Control Module -J502-

A - 4-Pin Connector -T4k- , grey



1.10.2 Tire Pressure Monitoring Control Module -J502- , connector views

4-Pin Connector -T4k-



T4k (A)	Designation
1	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)
2	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
3	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)
4	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left

1.11 Digital Sound System Control Module J525

- ◆ ⇒ [“1.11.1 Digital Sound System Control Module J525 , location, Bose \(9VS\), W/O High-Voltage System \(0K0\)”, page 28](#)
- ◆ ⇒ [“1.11.2 Digital Sound System Control Module J525 , connector views, Bose \(9VS\), W/O High-Voltage System \(0K0\)”, page 29](#)
- ◆ ⇒ [“1.11.3 Digital Sound System Control Module J525 , location, Bose \(9VS\), W/ High-Voltage system \(0K3\)”, page 30](#)
- ◆ ⇒ [“1.11.4 Digital Sound System Control Module J525 , connector views, Bose \(9VS\), W/ High-Voltage system \(0K3\)”, page 31](#)
- ◆ ⇒ [“1.11.5 Digital Sound System Control Module J525 , location, Advanced Sound System \(8RF\), W/O High-Voltage System \(0K0\)”, page 32](#)
- ◆ ⇒ [“1.11.6 Digital Sound System Control Module J525 , connector views, Advanced Sound System \(8RF\), W/O High-Voltage System \(0K0\)”, page 33](#)

- ◆ ⇒ [“1.11.7 Digital Sound System Control Module J525 , location, Advanced Sound System \(8RF\), W/ High-Voltage System \(0K3\)”, page 34](#)
- ◆ ⇒ [“1.11.8 Digital Sound System Control Module J525 , connector views, Advanced Sound System \(8RF\), W/ High-Voltage System \(0K3\)”, page 36](#)

1.11.1 Digital Sound System Control Module -J525- , location, Bose (9VS), W/O High-Voltage System (0K0)



Note

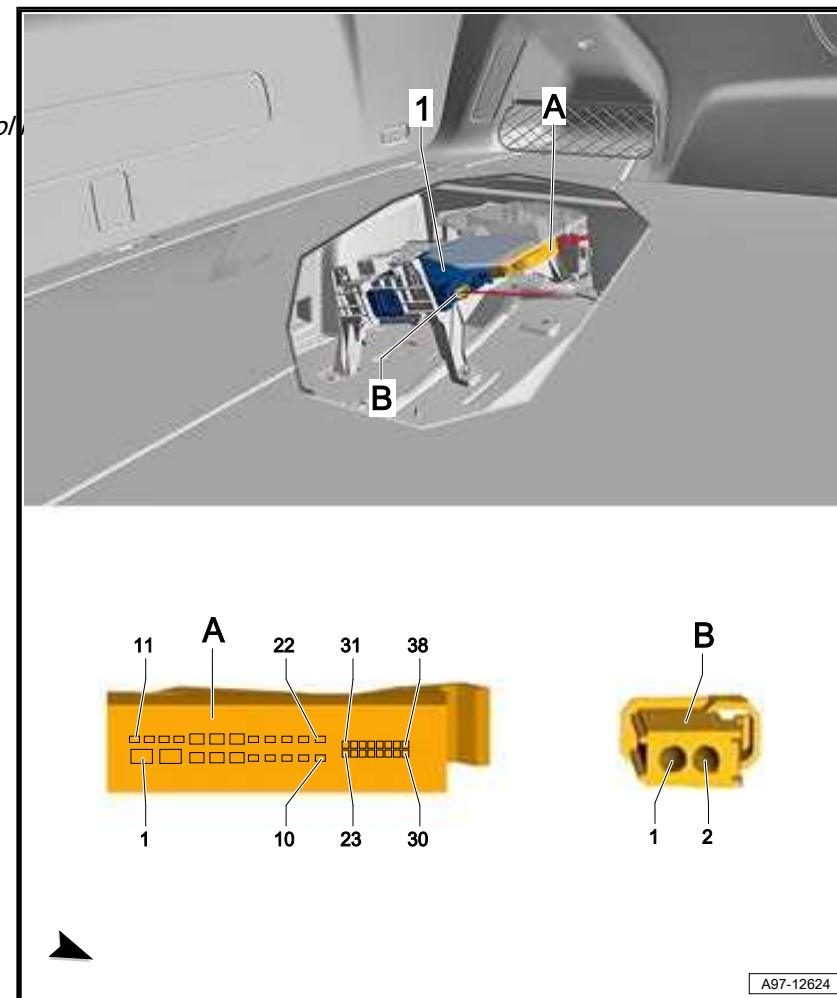
On 7-seater models (5KL) with 48-V vehicle electrical system (VH2) the Digital sound system control in floor panel.

1 - Digital Sound System Control Module -J525-

A - 38-Pin Connector -T38a- , black

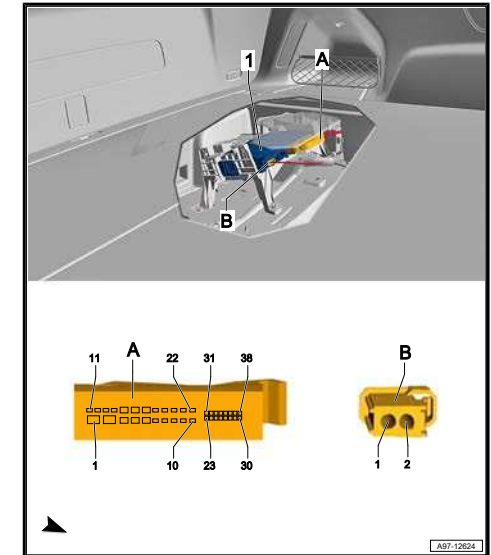
B - Double Connector -T2jt- , black

□ MOST Bus



1.11.2 Digital Sound System Control Module -J525- , connector views, Bose (9VS), W/O High-Voltage System (0K0)

38-Pin Connector -T38a-



T38a (A)	Designation	T38a (A)	Designation	T38a (A)	Designation
1	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	14	Right Front Bass Speaker R23	27	Right Front Treble Speaker R22/Right Front Midrange Speaker R104
2	Terminal 31, to 61 Ground connection on left C-pillar	15		28	
3		16	Subwoofer R211	29	Inside Microphone R74
4	Subwoofer R211	17	Left Front Treble Speaker 2 R220	30	Inside Microphone R74
5	Left Front Treble Speaker 2 R220	18	Right Front Treble Speaker 2 R221	31	Center speaker R208/Center speaker 2 R219
6	Right Front Treble Speaker 2 R221	19	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15	32	Center speaker R208/Center speaker 2 R219
7	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15	20	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17	33	Right Front Speaker R3
8	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17	21	Right effects speaker R210	34	Right Front Speaker R3
9	Right effects speaker R210	22	Left effects speaker R209	35	Left Front Speaker R2
10	Left effects speaker R209	23		36	Left Front Speaker R2
11	Left Front Bass Speaker R21	24		37	Left Front Treble Speaker R20/Left Front Midrange Speaker R103
12	Left Front Bass Speaker R21	25	Ringbreak Diagnosis	38	Left Front Treble Speaker R20/Left Front Midrange Speaker R103

T38a (A)	Designation	T38a (A)	Designation	T38a (A)	Designation
13	Right Front Bass Speaker R23	26	Right Front Treble Speaker R22/Right Front Midrange Speaker R104		

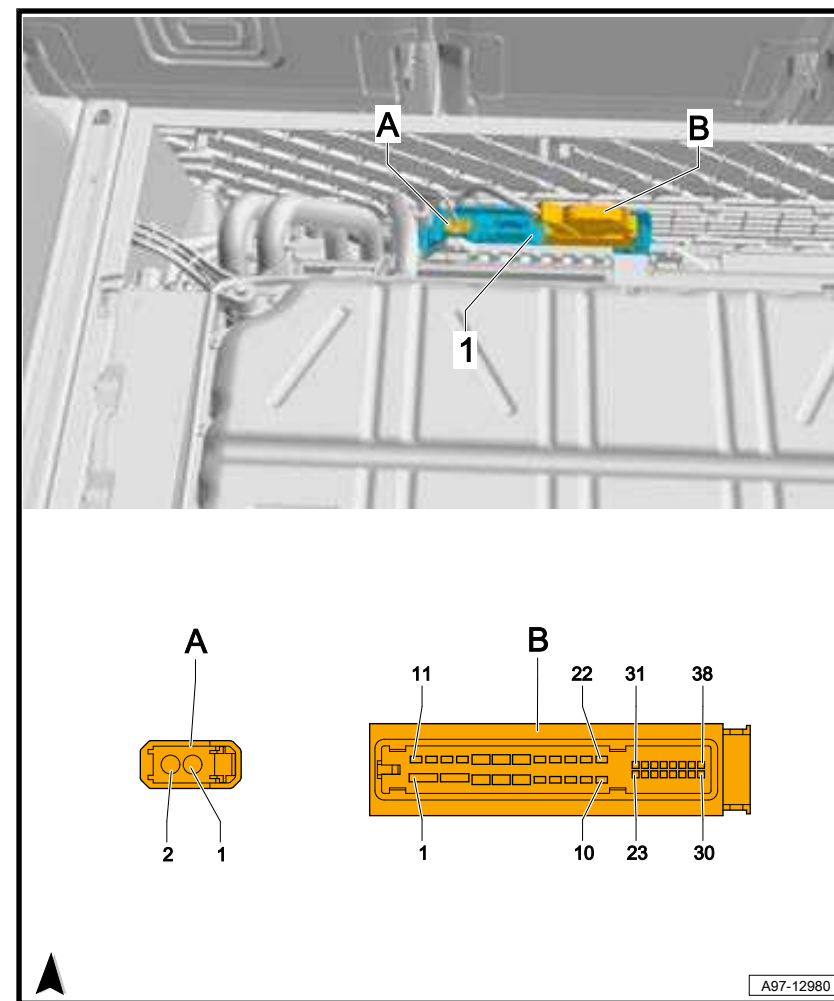
1.11.3 Digital Sound System Control Module -J525-, location, Bose (9VS), W/ High-Voltage system (0K3)

1 - Digital Sound System Control Module -J525-

A - Double Connector -T2jt-, black

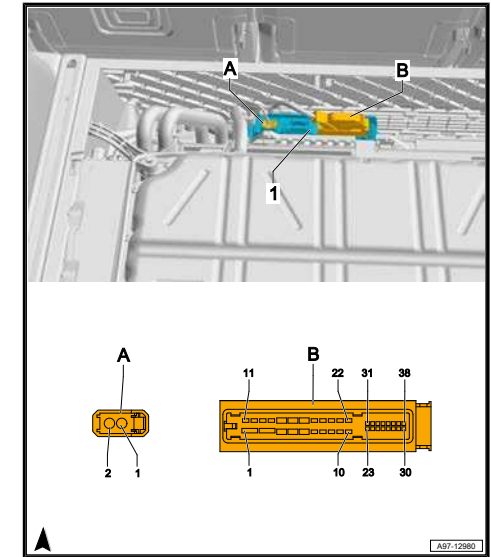
□ MOST Bus

B - 38-Pin Connector -T38a-, black



1.11.4 Digital Sound System Control Module -J525-, connector views, Bose (9VS), W/ High-Voltage system (0K3)

38-Pin Connector -T38a-



T38a (A)	Designation	T38a (A)	Designation	T38a (A)	Designation
1	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	14	Right Front Bass Speaker R23	27	Right Front Treble Speaker R22/Right Front Midrange Speaker R104
2	Terminal 31, to 61 Ground connection on left C-pillar	15		28	
3		16	Subwoofer R211	29	Inside Microphone R74
4	Subwoofer R211	17	Left Front Treble Speaker 2 R220	30	Inside Microphone R74
5	Left Front Treble Speaker 2 R220	18	Right Front Treble Speaker 2 R221	31	Center speaker R208/Center speaker 2 R219
6	Right Front Treble Speaker 2 R221	19	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15	32	Center speaker R208/Center speaker 2 R219
7	Left Rear Treble Speaker R14/Left Rear Bass Speaker R15	20	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17	33	Right Front Speaker R3
8	Right Rear Treble Speaker R16/Right Rear Bass Speaker R17	21	Right effects speaker R210	34	Right Front Speaker R3
9	Right effects speaker R210	22	Left effects speaker R209	35	Left Front Speaker R2
10	Left effects speaker R209	23		36	Left Front Speaker R2
11	Left Front Bass Speaker R21	24		37	Left Front Treble Speaker R20/Left Front Midrange Speaker R103
12	Left Front Bass Speaker R21	25	Ringbreak Diagnosis	38	Left Front Treble Speaker R20/Left Front Midrange Speaker R103

T38a (A)	Designation	T38a (A)	Designation	T38a (A)	Designation
13	Right Front Bass Speaker R23	26	Right Front Treble Speaker R22/Right Front Midrange Speaker R104		

1.11.5 Digital Sound System Control Module -J525-, location, Advanced Sound System (8RF), W/O High-Voltage System (0K0)



Note

On 7-seater models (5KL) with 48-V vehicle electrical system (VH2) the Digital sound system control trim in floor panel.

1 - Digital Sound System Control Module -J525-

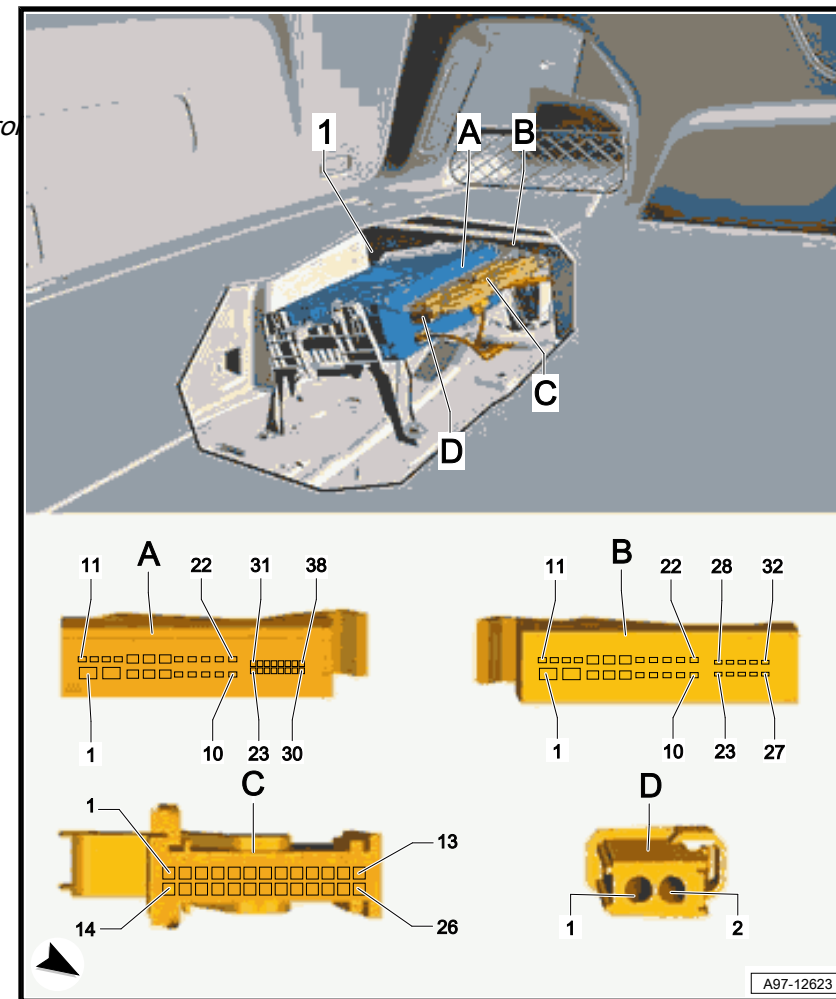
A - 38-Pin Connector -T38a-, black

B - 32-Pin Connector -T32e-, black

C - 26-Pin Connector -T26a-, blue

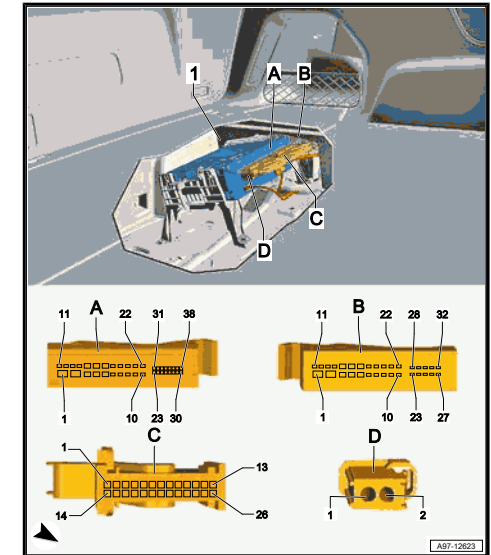
D - Double Connector -T2jt-, black

□ MOST Bus



1.11.6 Digital Sound System Control Module -J525- , connector views, Advanced Sound System (8RF), W/O High- Voltage System (0K0)

38-Pin Connector -T38a- / 32-Pin Connector -T32e- / 26-Pin
Connector -T26a-



T38a (A)	Designation	T32e (B)	Designation	T26a (C)	Designation
1	Terminal 30, from Fuse 1 (30) S204 on fuse panel F SF	1		1	Left Front Treble Speaker 2 R220
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	2		2	Right Front Treble Speaker 2 R221
3	Subwoofer R211	3		3	Left Front Midrange Speaker 2 R276
4	Left Front Bass Speaker R21	4		4	Right Front Midrange Speaker 2 R277
5	Right Front Bass Speaker R23	5	Left Front Midrange Speaker R103	5	Left Rear Treble Speaker 2 R217
6	Left Rear Bass Speaker R15	6	Right Front Midrange Speaker R104	6	Right Rear Treble Speaker 2 R218
7	Right Rear Bass Speaker R17	7	Left Rear Midrange Speaker R105	7	Left Rear Treble Speaker R14
8	Left Front Treble Speaker Motor V344	8	Right Rear Midrange Speaker R106	8	Right Rear Treble Speaker R16
9	Left Front Treble Speaker Motor V344	9	Left effects speaker R209	9	
10	Left Front Treble Speaker Motor V344	10	Center speaker R208	10	
11		11		11	
12		12		12	
13		13	Ringbreak Diagnosis	13	
14		14		14	Left Front Treble Speaker 2 R220
15	Subwoofer R211	15		15	Right Front Treble Speaker 2 R221
16	Left Front Bass Speaker R21	16		16	Left Front Midrange Speaker 2 R276

T38a (A)	Designation	T32e (B)	Designation	T26a (C)	Designation
17	Right Front Bass Speaker R23	17	Left Front Midrange Speaker R103	17	Right Front Midrange Speaker 2 R277
18	Left Rear Bass Speaker R15	18	Right Front Midrange Speaker R104	18	Left Rear Treble Speaker 2 R217
19	Right Rear Bass Speaker R17	19	Left Rear Midrange Speaker R105	19	Right Rear Treble Speaker 2 R218
20	Right Front Treble Speaker Motor V345	20	Right Rear Midrange Speaker R106	20	Left Rear Treble Speaker R14
21	Right Front Treble Speaker Motor V345	21	Left effects speaker R209	21	Right Rear Treble Speaker R16
22	Right Front Treble Speaker Motor V345	22	Center speaker R208	22	
23	Inside Microphone R74	23	Right effects speaker R210	23	
24		24		24	
25		25	Center speaker 2 R219	25	
26		26	Left Front Treble Speaker R20	26	
27		27	Right Front Treble Speaker R22		
28		28	Right effects speaker R210		
29		29			
30		30	Center speaker 2 R219		
31	Inside Microphone R74	31	Left Front Treble Speaker R20		
32		32	Right Front Treble Speaker R22		
33					
34					
35					
36					
37					
38					

1.11.7 Digital Sound System Control Module -J525- , location, Advanced Sound System (8RF), W/ High-Voltage System (0K3)

1 - Digital Sound System Control Module -J525-

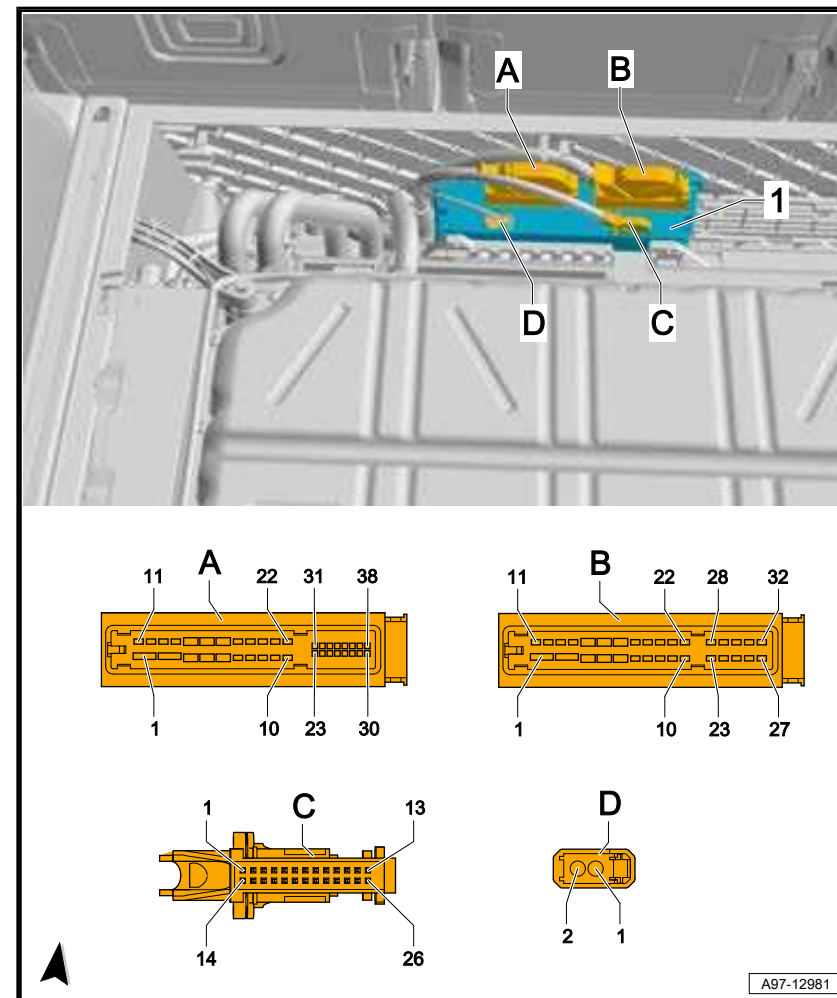
A - 38-Pin Connector -T38a- , black

B - 32-Pin Connector -T32e- , black

C - 26-Pin Connector -T26a- , blue

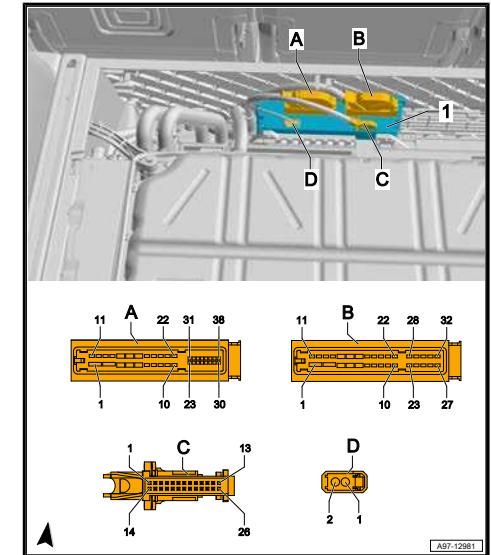
D - Double Connector -T2jt- , black

□ MOST Bus



1.11.8 Digital Sound System Control Module -J525- , connector views, Advanced Sound System (8RF), W/ High-Voltage System (0K3)

38-Pin Connector -T38a- / 32-Pin Connector -T32e- / 26-Pin
Connector -T26a-



T38a (A)	Designation	T32e (B)	Designation	T26a (C)	Designation
1	Terminal 30, from Fuse 1 (30) S204 on fuse panel F SF	1		1	Left Front Treble Speaker 2 R220
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	2		2	Right Front Treble Speaker 2 R221
3	Subwoofer R211	3		3	Left Front Midrange Speaker 2 R276
4	Left Front Bass Speaker R21	4		4	Right Front Midrange Speaker 2 R277
5	Right Front Bass Speaker R23	5	Left Front Midrange Speaker R103	5	Left Rear Treble Speaker 2 R217
6	Left Rear Bass Speaker R15	6	Right Front Midrange Speaker R104	6	Right Rear Treble Speaker 2 R218
7	Right Rear Bass Speaker R17	7	Left Rear Midrange Speaker R105	7	Left Rear Treble Speaker R14
8	Left Front Treble Speaker Motor V344	8	Right Rear Midrange Speaker R106	8	Right Rear Treble Speaker R16
9	Left Front Treble Speaker Motor V344	9	Left effects speaker R209	9	
10	Left Front Treble Speaker Motor V344	10	Center speaker R208	10	
11		11		11	
12		12		12	
13		13	Ringbreak Diagnosis	13	
14		14		14	Left Front Treble Speaker 2 R220
15	Subwoofer R211	15		15	Right Front Treble Speaker 2 R221
16	Left Front Bass Speaker R21	16		16	Left Front Midrange Speaker 2 R276

T38a (A)	Designation	T32e (B)	Designation	T26a (C)	Designation
17	Right Front Bass Speaker R23	17	Left Front Midrange Speaker R103	17	Right Front Midrange Speaker 2 R277
18	Left Rear Bass Speaker R15	18	Right Front Midrange Speaker R104	18	Left Rear Treble Speaker 2 R217
19	Right Rear Bass Speaker R17	19	Left Rear Midrange Speaker R105	19	Right Rear Treble Speaker 2 R218
20	Right Front Treble Speaker Motor V345	20	Right Rear Midrange Speaker R106	20	Left Rear Treble Speaker R14
21	Right Front Treble Speaker Motor V345	21	Left effects speaker R209	21	Right Rear Treble Speaker R16
22	Right Front Treble Speaker Motor V345	22	Center speaker R208	22	
23	Inside Microphone R74	23	Right effects speaker R210	23	
24		24		24	
25		25	Center speaker 2 R219	25	
26		26	Left Front Treble Speaker R20	26	
27		27	Right Front Treble Speaker R22		
28		28	Right effects speaker R210		
29		29			
30		30	Center speaker 2 R219		
31	Inside Microphone R74	31	Left Front Treble Speaker R20		
32		32	Right Front Treble Speaker R22		
33					
34					
35					
36					
37					
38					

1.12 Garage Door Opener Control Module J530

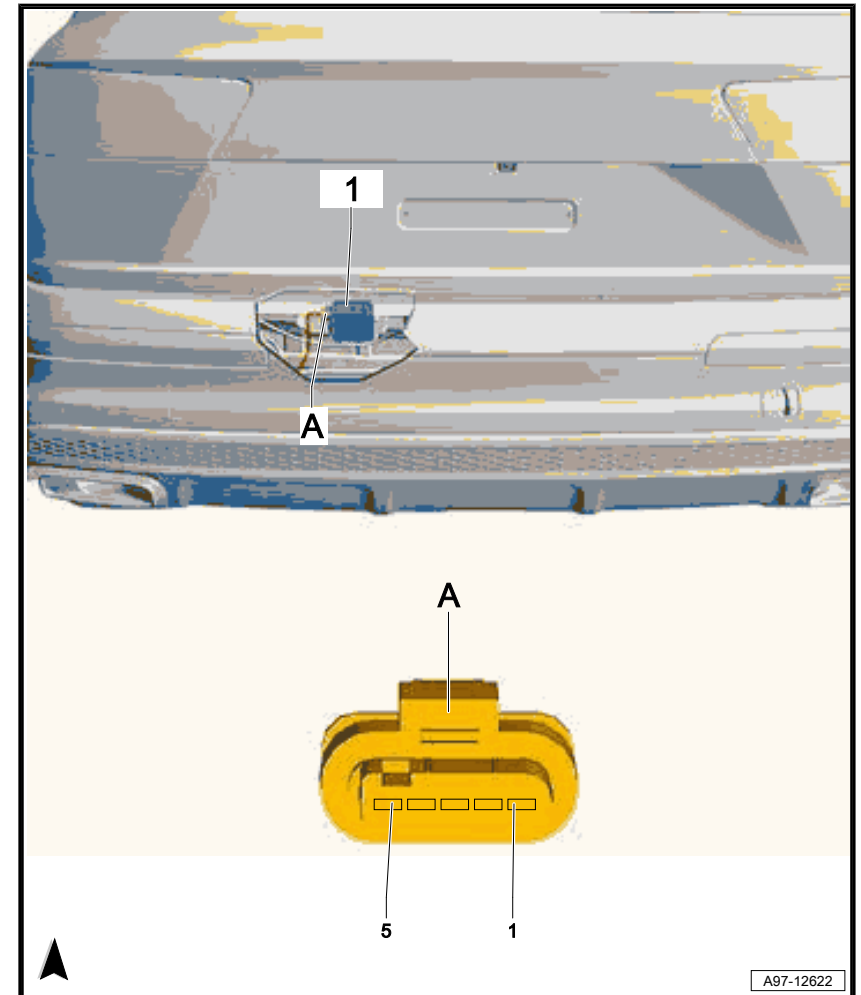
♦ ⇒ [“1.12.1 Garage Door Opener Control Module J530 , location”, page 37](#)

♦ ⇒ [“1.12.2 Garage Door Opener Control Module J530 , connector views”, page 39](#)

1.12.1 Garage Door Opener Control Module -J530- , location

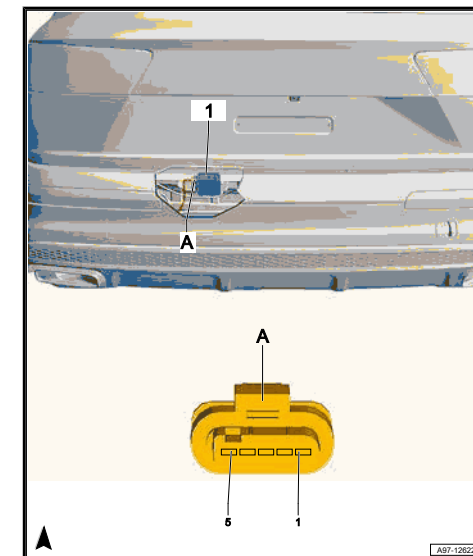
1 - Garage Door Opener Control Module -J530-

A - 5-Pin Connector -T5d- , black



1.12.2 Garage Door Opener Control Module -J530- , connector views

5-Pin Connector -T5d-



T5d (A)	Designation
1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left
3	LIN-Bus, to B549 LIN-Bus Connection 2 (in main wiring harness)
4	Garage door opener programming antenna R278, near rear seat bench
5	Garage door opener programming antenna R278, near rear seat bench

1.13 Rear lid control module J605

◆ ⇒ [“1.13.1 Rear lid control module J605 , location”, page 39](#)

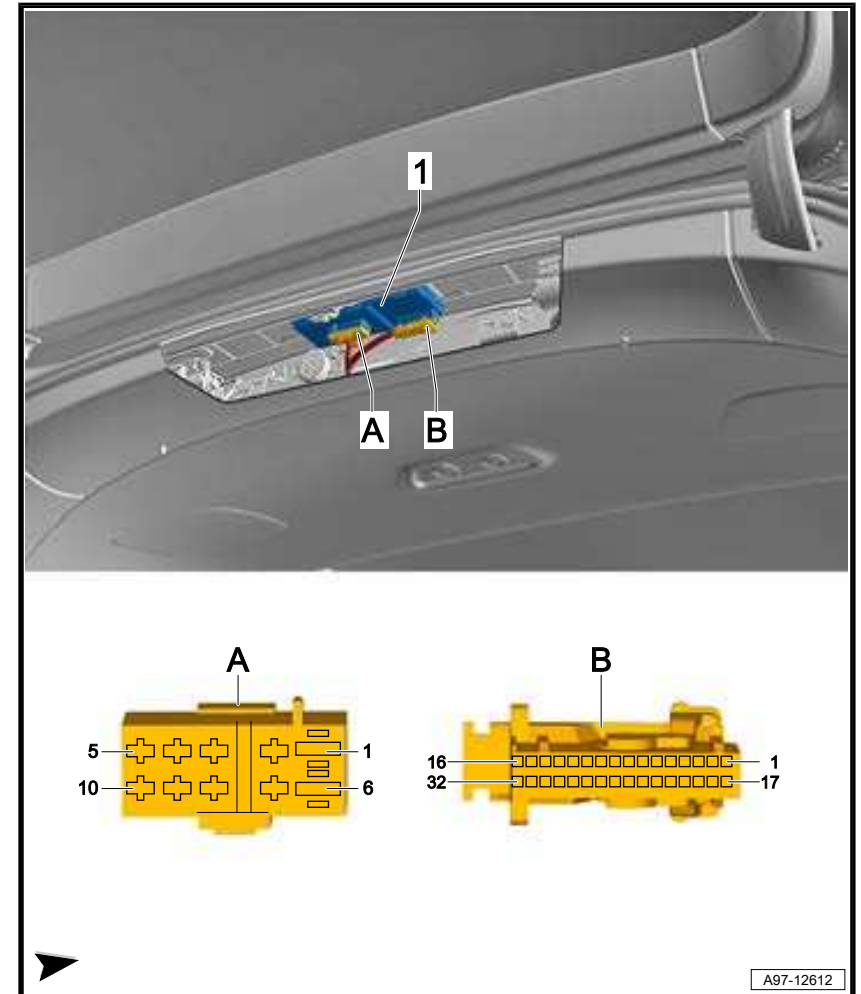
◆ ⇒ [“1.13.2 Rear lid control module J605 , connector views”, page 41](#)

1.13.1 Rear lid control module -J605- , location

1 - Rear Lid Control Module -J605-

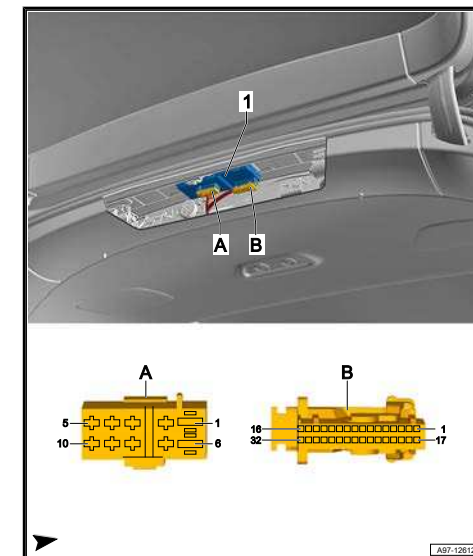
A - 10-Pin Connector -T10q-, black

B - 32-Pin Connector -T32b-, black



1.13.2 Rear lid control module -J605- , connector views

10-Pin Connector -T10q- / 32-Pin Connector -T32b-



T10q (A)	Designation	T32b (B)	Designation	T32b (B)	Designation
1	Terminal 30, from Fuse Carrier 1 ST1 in fuse panel F SF	1		17	
2	Rear lid motor 1 V444	2		18	
3	Rear lid motor 2 V445	3		19	
4	Rear lid motor 1 V444	4		20	
5	Rear Lid Closing Assist Motor V382	5	Rear lid warning buzzer H32	21	Rear lid warning buzzer H32
6	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	6	Luggage compartment cover motor 1 V473	22	
7	Luggage compartment cover motor 1 V473	7	Rear Lid Closing Assist Motor V382	23	Luggage compartment cover motor 1 V473
8	Luggage compartment cover motor 1 V473	8		24	
9	Rear lid motor 2 V445	9		25	
10	Rear Lid Closing Assist Motor V382	10	Rear lid motor 1 V444	26	Rear lid motor 1 V444
		11		27	Rear lid motor 1 V444
		12		28	Rear lid motor 1 V444
		13	Locking mechanism button in the rear lid E806 ¹⁾	29	Luggage compartment cover motor 1 V473
		14	Locking mechanism button in the rear lid E806 ¹⁾ Rear Lid Lock Button (in luggage compartment) E406 ²⁾	30	

T10q (A)	Designation	T32b (B)	Designation	T32b (B)	Designation
		15		31	Comfort System CAN-Bus Low, from B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
		16		32	Comfort System CAN-Bus High, from B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)

1) only models with access/start authorization

2) only models without access/start authorization

1.14 Axle differential lock control module J647

1 - Axle differential lock control module -J647-

A - 4-Pin Connector -T4be- , black

- ❑ from Differential lock control module J187

B - Double Connector -T2er- , black

- ❑ from Differential lock control module J187

C - 4-Pin Connector -T4bf- , black

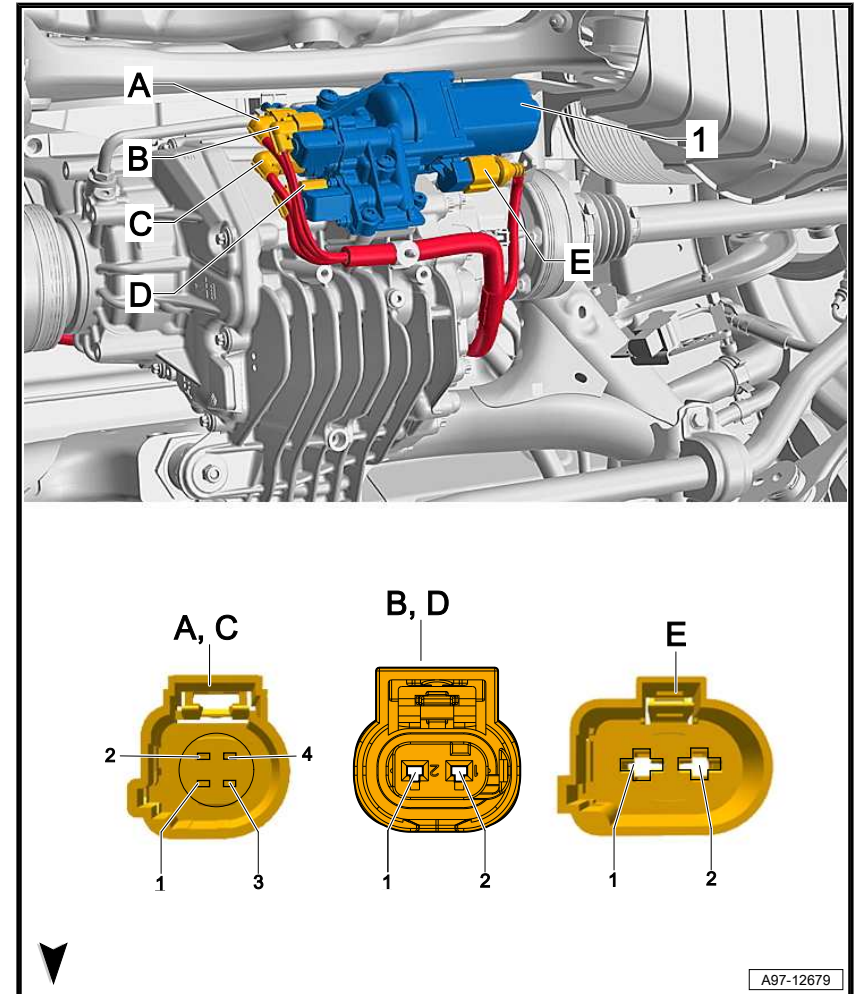
- ❑ from Differential lock control module J187

D - Double Connector -T2es- , brown

- ❑ from Differential lock control module J187

E - Double Connector -T2et- , black

- ❑ from Differential lock control module J187



1.15 Lane Change Assistance Control Module J769

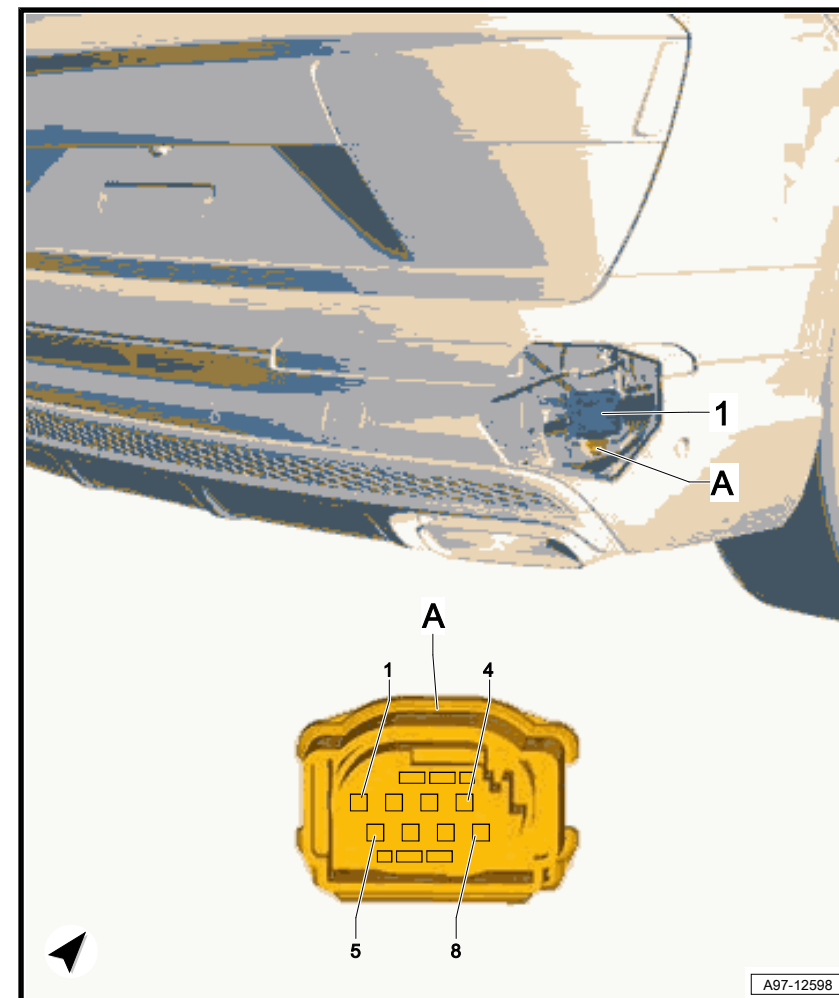
◆ ⇒ ["1.15.1 Lane Change Assistance Control Module J769 , location", page 44](#)

◆ ⇒ ["1.15.2 Lane Change Assistance Control Module J769 , connector views", page 45](#)

1.15.1 Lane Change Assistance Control Module -J769- , location

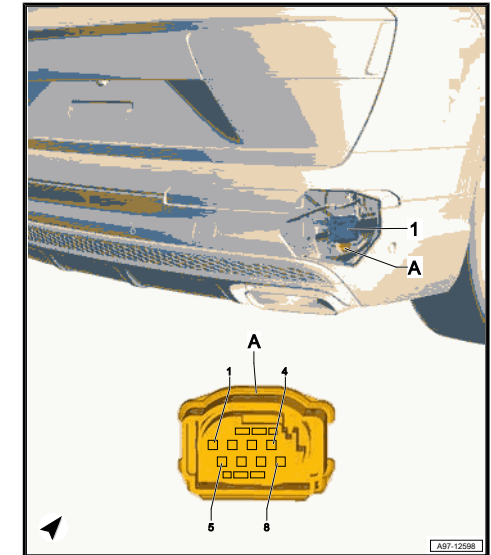
1 - Lane Change Assistance Control Module -J769-

A - 8-Pin Connector -T8g- , black



1.15.2 Lane Change Assistance Control Module -J769- , connector views

8-Pin Connector -T8g-



T8g (A)	Designation		T8g (A)	Designation
1	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left		5	Lane Change Assistance Control Module 2 J770
2	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)		6	Lane Change Assistance Control Module 2 J770
3	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)		7	
4			8	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF

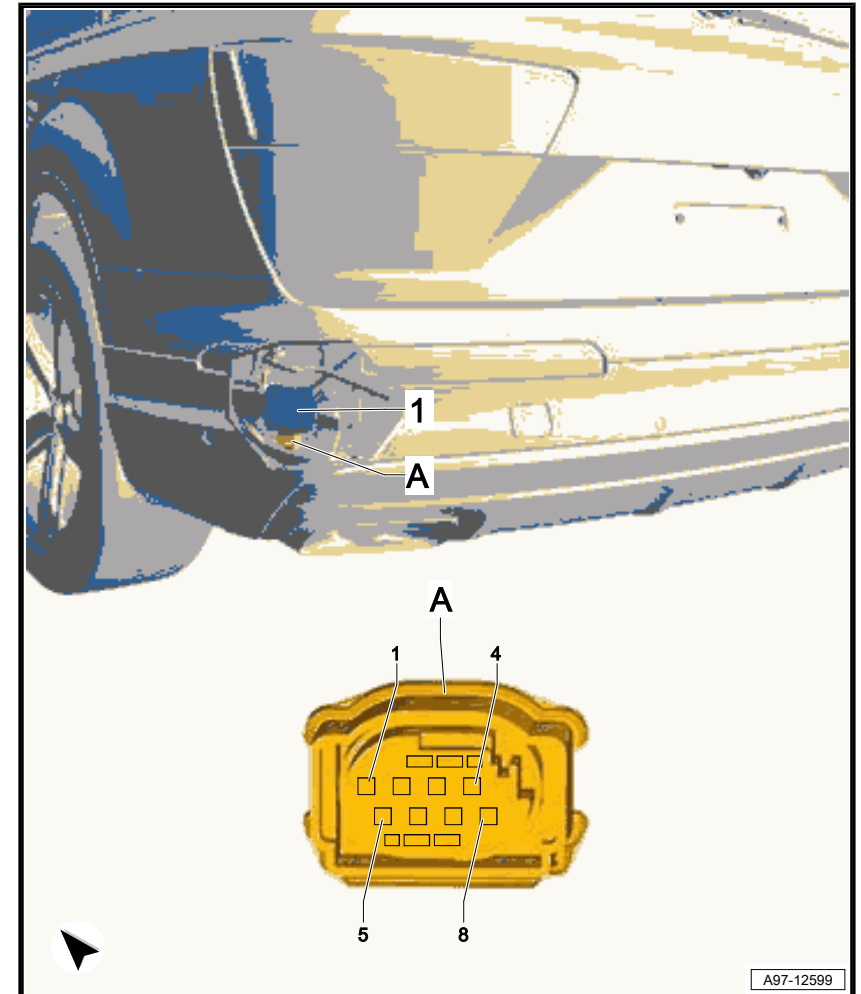
1.16 Lane Change Assistance Control Module 2 J770

- ◆ ⇒ ["1.16.1 Lane Change Assistance Control Module 2 J770 , location", page 45](#)
- ◆ ⇒ ["1.16.2 Lane Change Assistance Control Module 2 J770 , connector views", page 47](#)

1.16.1 Lane Change Assistance Control Module 2 -J770- , location

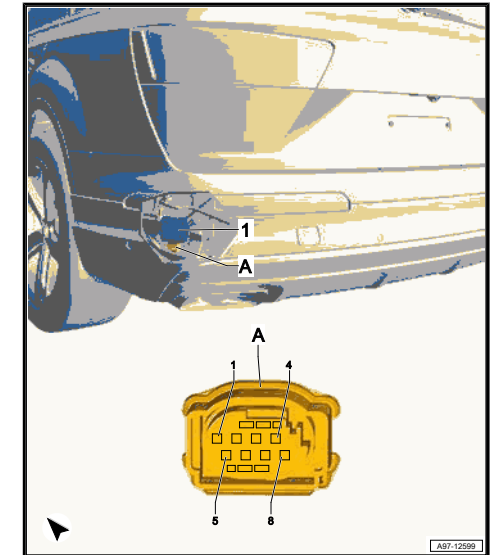
1 - Lane Change Assistance Control Module 2 -J770-

A - 8-Pin Connector -T8f- , black



1.16.2 Lane Change Assistance Control Module 2 -J770- , connector views

8-Pin Connector -T8f-



T8f (A)	Designation		T8f (A)	Designation
1	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left		5	Lane Change Assistance Control Module J769
2	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)		6	Lane Change Assistance Control Module J769
3	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)		7	
4			8	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF

1.17 Rear View Camera System Control Module J772

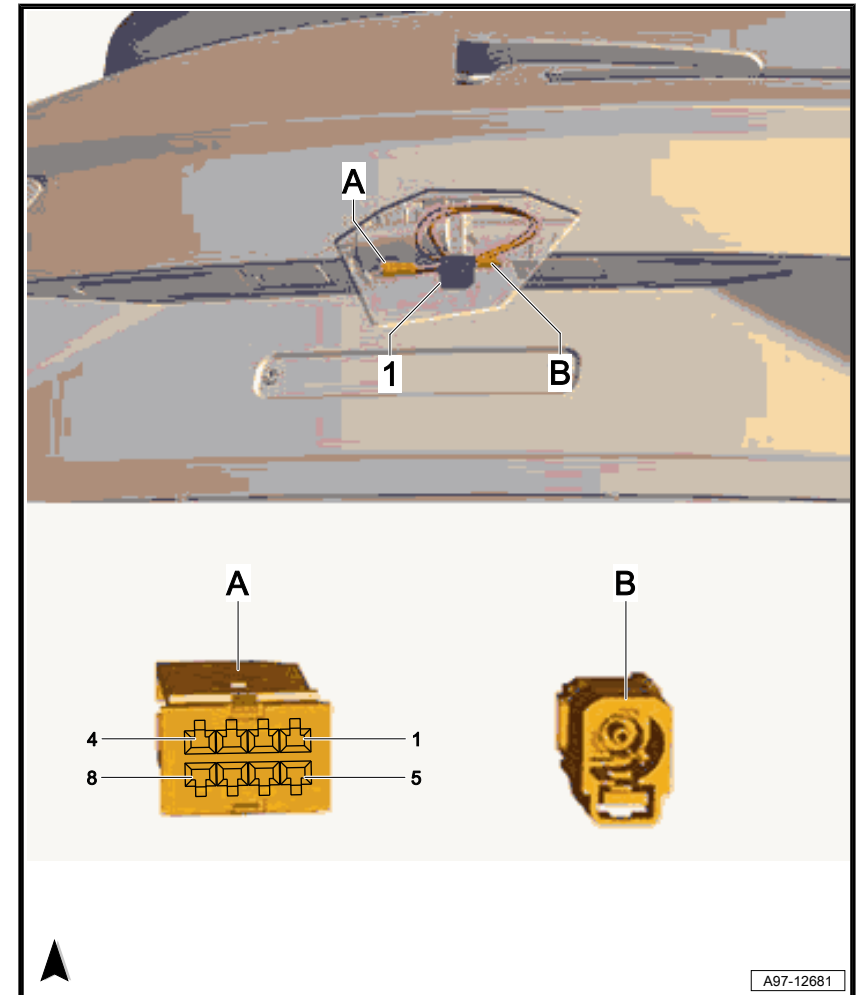
- ◆ ⇒ ["1.17.1 Rear View Camera System Control Module J772 , location", page 47](#)
- ◆ ⇒ ["1.17.2 Rear View Camera System Control Module J772 , connector views", page 49](#)

1.17.1 Rear View Camera System Control Module -J772- , location

1 - Rear View Camera System Control Module -J772-

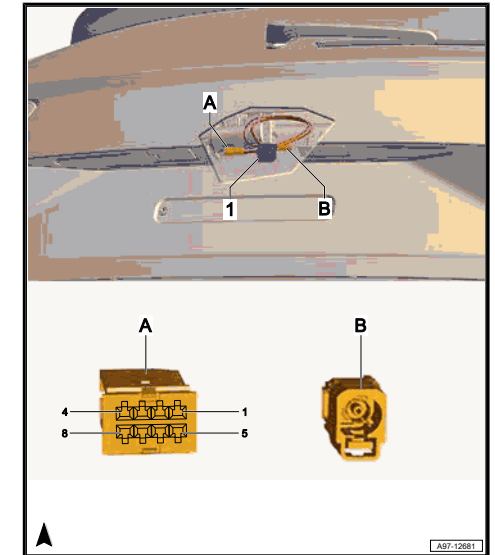
A - 8-Pin Connector -T8o- , black

B - Double Connector -T2dw- , bluegrey



1.17.2 Rear View Camera System Control Module -J772- , connector views

8-Pin Connector -T8o-



T8o (A)	Designation		T8o (A)	Designation
1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF		5	Terminal 31 to 667 Ground connection on roof, left rear
2			6	
3			7	
4	Extended System CAN-Bus High, to B668 CAN-Bus Extended High Connection 2 (in main wiring harness)		8	Extended System CAN-Bus Low, to B669 CAN-Bus Extended Low Connection 2 (in main wiring harness)

1.18 Third row seat adjustment control module J857

- ◆ ⇒ [“1.18.1 Third row seat adjustment control module J857 , location”, page 49](#)
- ◆ ⇒ [“1.18.2 Third row seat adjustment control module J857 , connector views, T26d”, page 51](#)
- ◆ ⇒ [“1.18.3 Third row seat adjustment control module J857 , connector views T26e”, page 52](#)
- ◆ ⇒ [“1.18.4 Third row seat adjustment control module J857 , connector views, T20m, T4fs”, page 53](#)

1.18.1 Third row seat adjustment control module -J857- , location

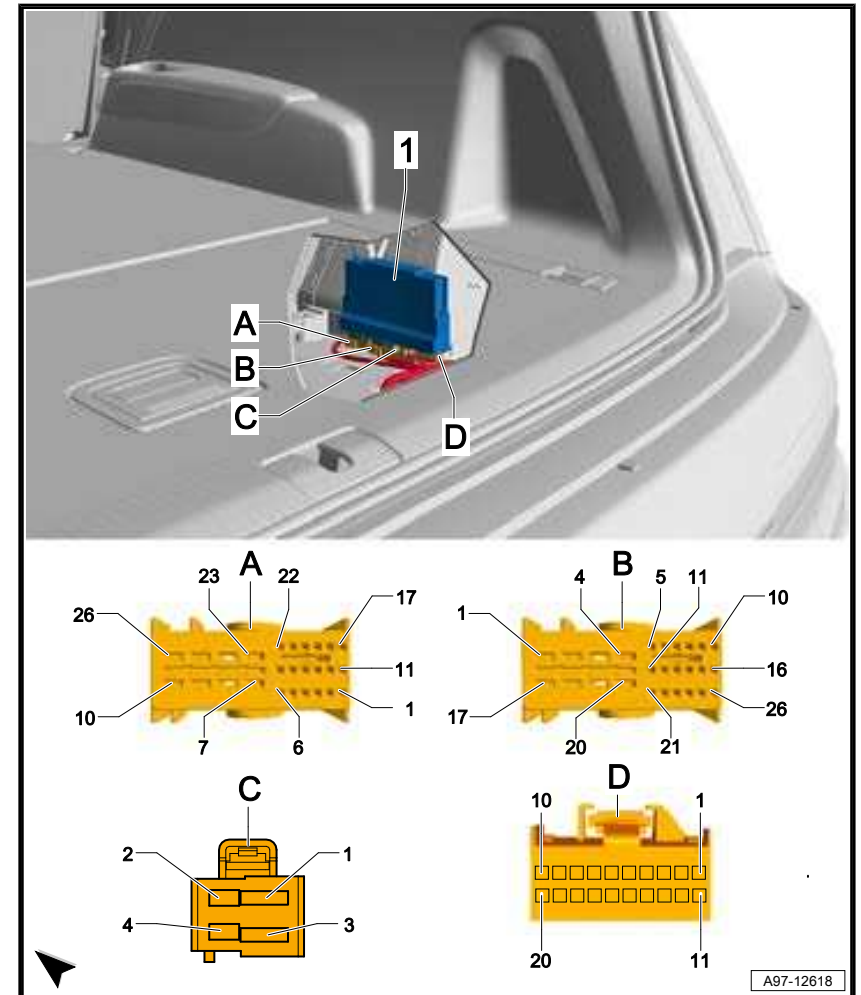
1 - Third row seat adjustment control module -J857-

A - 26-Pin Connector -T26d- , white

B - 26-Pin Connector -T26e- , blue

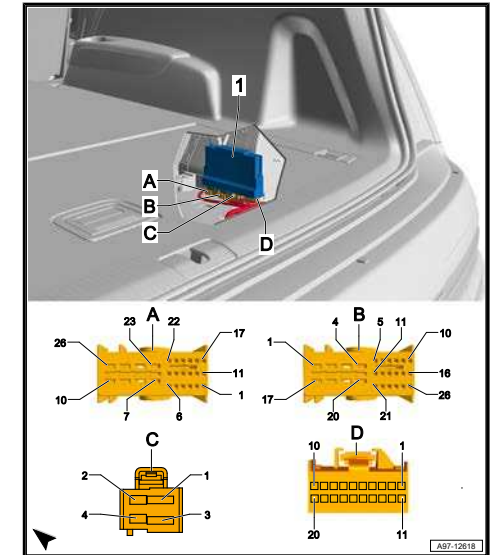
C - 4-Pin Connector -T4fs- , black

D - 20-Pin Connector -T20m- , brown



1.18.2 Third row seat adjustment control module -J857- , connector views, T26d

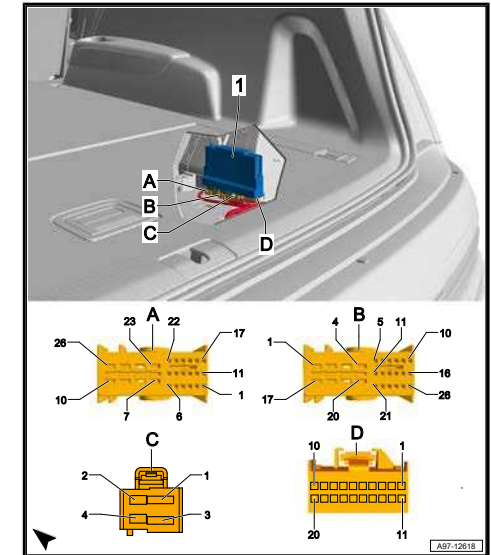
26-Pin Connector -T26d-



T26d (A)	Designation	T26d (A)	Designation	T26d (A)	Designation
1	Left third row backrest adjustment sensor G633	10		19	
2	Left third row seat backrest adjustment indicator lamp 1 K289	11		20	
3	Left third row seat backrest adjustment indicator lamp 2	12	Left third row seat backrest adjustment stop switch 2 -unlocked- F533	21	
4	Left third row seat backrest adjustment stop switch -locked- F530	13	Right third row seat backrest adjustment stop switch -locked- F526	22	
5	Ground, to B570 Connection 37 (in main wiring harness)	14	Right third row seat backrest adjustment stop switch -unlocked- F527	23	
6		15	Right third row seat backrest adjustment stop switch 2 -locked- F528	24	
7		16		25	
8		17	Left third row seat backrest adjustment stop switch 2 -locked- F532	26	
9		18	Left third row seat backrest adjustment stop switch -unlocked- F531		

1.18.3 Third row seat adjustment control module -J857- , connector views T26e

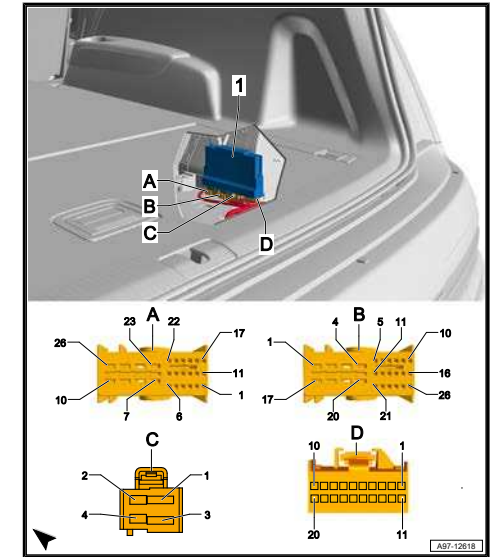
26-Pin Connector -T26e-



T26e (B)	Designation	T26e (B)	Designation	T26e (B)	Designation
1		10		19	
2		11		20	Right third row backrest adjustment locking latch motor 2 F544
3	Right third row seat backrest adjustment motor V361	12		21	
4	Left third row backrest adjustment locking latch motor F524	13	Right third row seat backrest adjustment indicator lamp 1 K292	22	Ground supply, to B571 Connection 38 (in main wiring harness)
5		14	Right third row seat backrest adjustment indicator lamp 3 K294	23	
6		15		24	
7	Right third row seat backrest adjustment indicator lamp 2 K293	16	Right third row backrest adjustment locking latch motor F525	25	
8	Right third row backrest adjustment sensor G634	17		26	Left third row backrest adjustment locking latch motor 2 F543
9		18	Right third row seat backrest adjustment motor V361		

1.18.4 Third row seat adjustment control module -J857- , connector views, T20m, T4fs

4-Pin Connector -T4fs- / 20-Pin Connector -T20m-



T4fs (C)	Designation	T20m (D)	Designation	T20m (D)	Designation
1	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	1	Comfort System CAN-Bus High, to B397 Comfort System CAN-Bus High Connection 1 (in main wiring harness)	11	Comfort System CAN-Bus Low, to B406 Comfort System CAN-Bus Low Connection 1 (in main wiring harness)
2	Left third row seat backrest adjustment motor V368	2		12	
3	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	3		13	
4	Left third row seat backrest adjustment motor V368	4		14	Right third row seat backrest adjustment button E549
		5	Left third row button 2 for backrest adjustment E801	15	Left third row seat backrest adjustment button E565
		6	Right third row seat backrest adjustment stop switch 2 -unlocked- F529	16	Right third row button 3 for backrest adjustment E805
		7		17	Left third row button 3 for backrest adjustment E802
		8	Right third row button 2 for backrest adjustment E804	18	Left third row seat backrest adjustment indicator lamp 3 K291
		9		19	
		10		20	

1.19 Reducing Agent Metering System Control Module J880

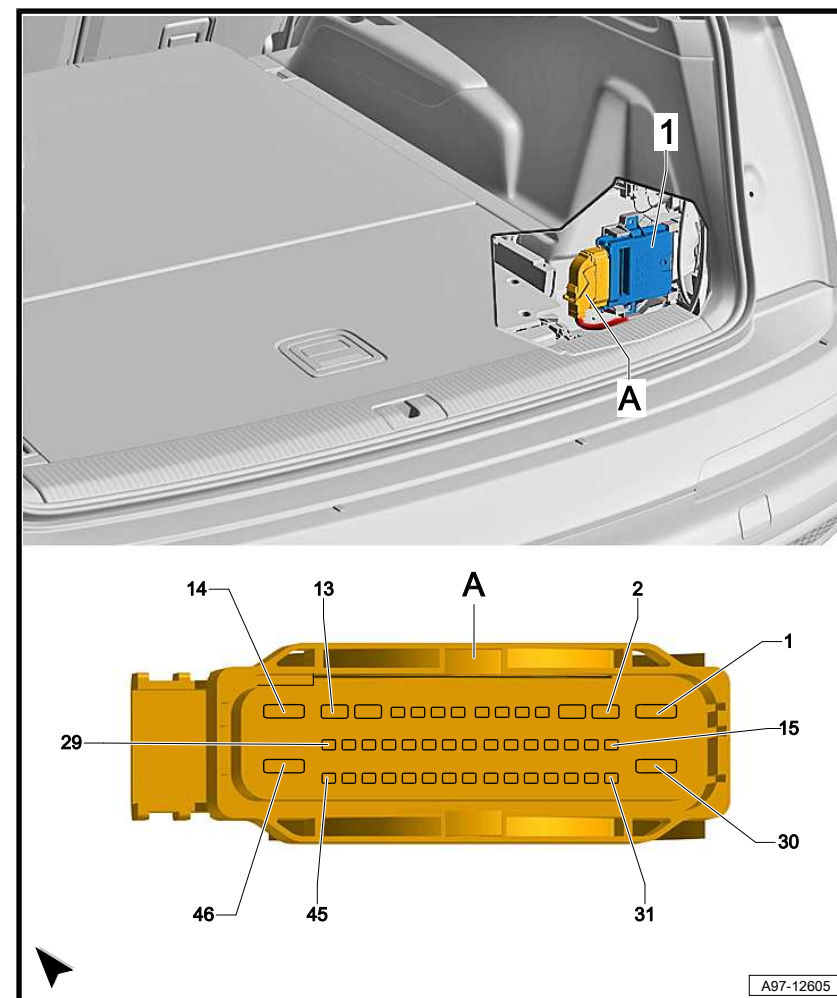
◆ ⇒ [“1.19.1 Reducing Agent Metering System Control Module J880 , location”, page 54](#)

◆ ⇒ [“1.19.2 Reducing Agent Metering System Control Module J880 , connector views”, page 55](#)

1.19.1 Reducing Agent Metering System Control Module -J880- , location

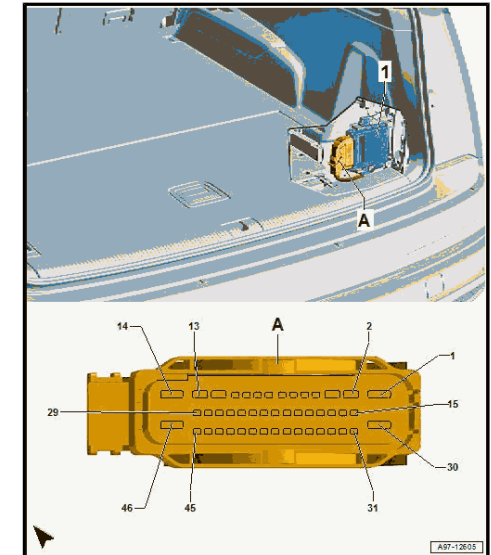
1 - Reducing Agent Metering System Control Module -J880-

A - 46-Pin Connector -T46b- , black



1.19.2 Reducing Agent Metering System Control Module -J880- , connector views

46-Pin Connector -T46b-



T46b (A)	Designation	T46b (A)	Designation	T46b (A)	Designation
1	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	17		33	Reducing Agent Pump V43 in reducing agent metering system delivery unit GX19
2	Heater 2 for reducing-agent tank (heater circuit 3) Z167 in reducing agent metering system delivery unit GX19	18		34	
3	Heater for reducing-agent tank (heater circuit 1) Z102 in reducing agent metering system delivery unit GX19	19		35	Reducing Agent Pump V43 in reducing agent metering system delivery unit GX19
4		20		36	
5		21		37	Reducing Agent Temperature Sensor G685 in reducing agent metering system delivery unit GX19
6	Reducing Agent Temperature Sensor G685 in reducing agent metering system delivery unit GX19	22		38	Reducing agent quality sensor G849 in reducing agent metering system delivery unit GX19
7	Reducing Agent Metering System Pressure Sensor G686 in reducing agent metering system delivery unit GX19	23		39	Heater for reducing-agent line (heater circuit 2) Z104
8	Heater for reducing-agent line (heater circuit 2) Z104	24		40	Reducing Agent Metering System Pressure Sensor G686 in reducing agent metering system delivery unit GX19

T46b (A)	Designation	T46b (A)	Designation	T46b (A)	Designation
9	Reducing Agent Metering System Pressure Sensor G686 in reducing agent metering system delivery unit GX19	25		41	Reducing Agent Tank Sensor G684 in reducing agent metering system delivery unit GX19
10	Reducing agent quality sensor G849 in reducing agent metering system delivery unit GX19	26		42	
11		27		43	
12	Heater 2 for reducing-agent tank (heater circuit 3) Z167 in reducing agent metering system delivery unit GX19	28		44	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)
13	Heater for reducing-agent tank (heater circuit 1) Z102 in reducing agent metering system delivery unit GX19	29		45	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)
14	Terminal 31, to 675 Ground connection 2 in luggage compartment on the right side	30	Terminal 30, from Fuse Carrier 2 ST2 in fuse panel F SF	46	Terminal 31, to 675 Ground connection 2 in luggage compartment on the right side
15		31	Reducing Agent Pump V437 in reducing agent metering system delivery unit GX19		
16		32	Reducing Agent Tank Sensor G684 in reducing agent metering system delivery unit GX19		

1.20 Peripheral Camera Control Module J928

- ◆ ⇒ [“1.20.1 Peripheral Camera Control Module J928 , location”, page 56](#)
- ◆ ⇒ [“1.20.2 Peripheral Camera Control Module J928 , connector views”, page 58](#)

1.20.1 Peripheral Camera Control Module -J928- , location

1 - Peripheral Camera Control Module -J928-

A - 18-Pin Connector -T18e- , black

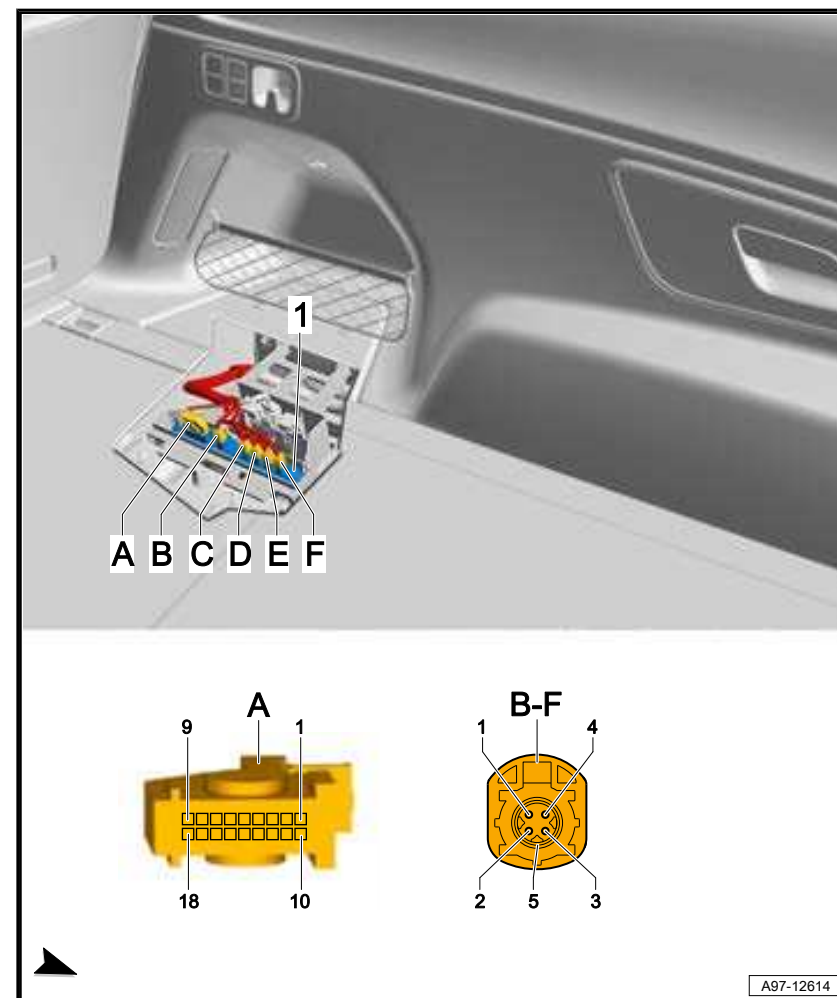
B - 5-Pin Connector -T5ap- , brown

C - 5-Pin Connector -T5aq- , green

D - 5-Pin Connector -T5ar- , black

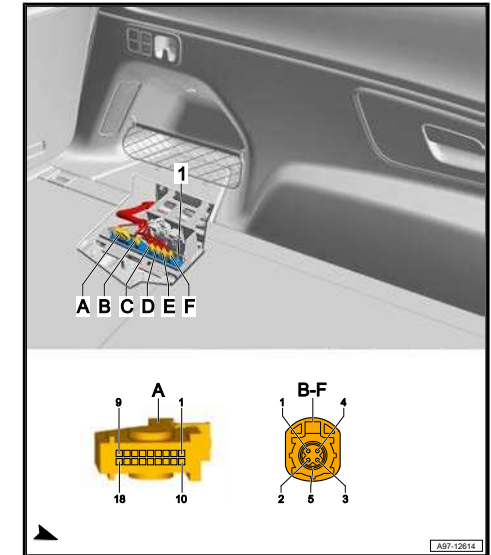
E - 5-Pin Connector -T5as- , white

F - 5-Pin Connector -T5at- , blue



1.20.2 Peripheral Camera Control Module -J928- , connector views

18-Pin Connector -T18e-



T18e (A)	Designation	T18e (A)	Designation	T18e (A)	Designation
1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF	7		13	
2	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)	8		14	
3		9		15	
4		10	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)	16	
5		11		17	
6		12	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left	18	

1.21 Rear lid opening control module J938

♦ ⇒ ["1.21.1 Rear lid opening control module J938 , location", page 58](#)

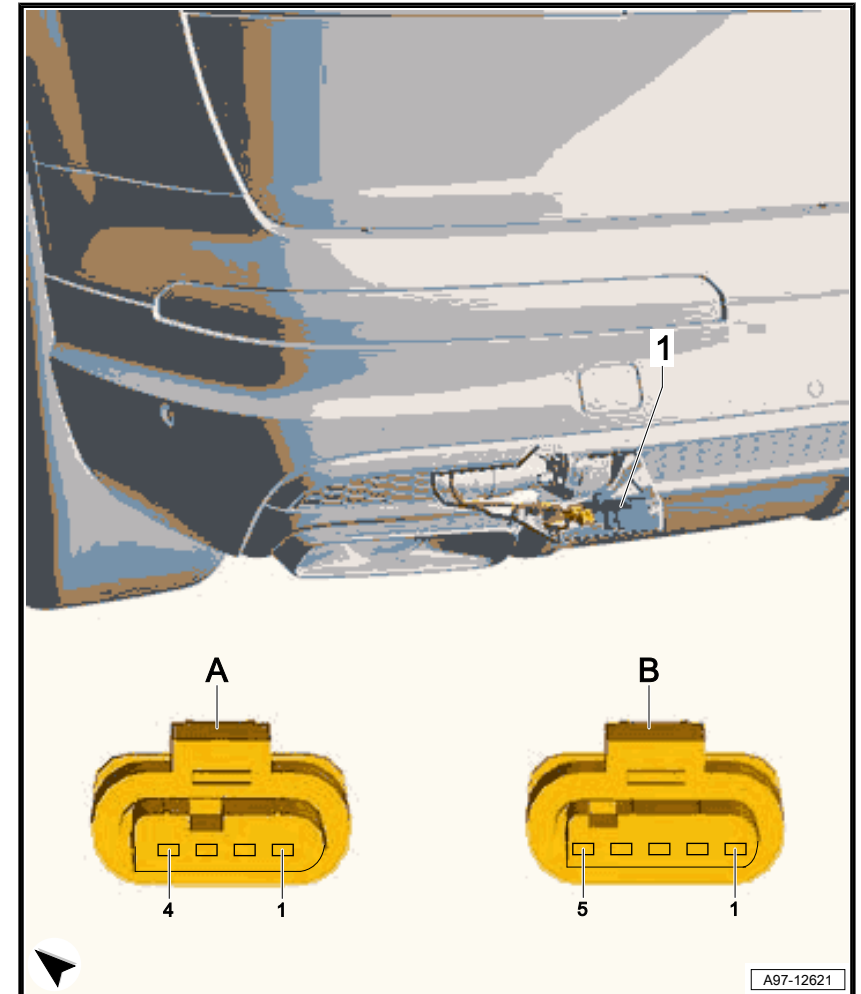
♦ ⇒ ["1.21.2 Rear lid opening control module J938 , connector views", page 60](#)

1.21.1 Rear lid opening control module -J938- , location

1 - Rear lid opener control module -J938-

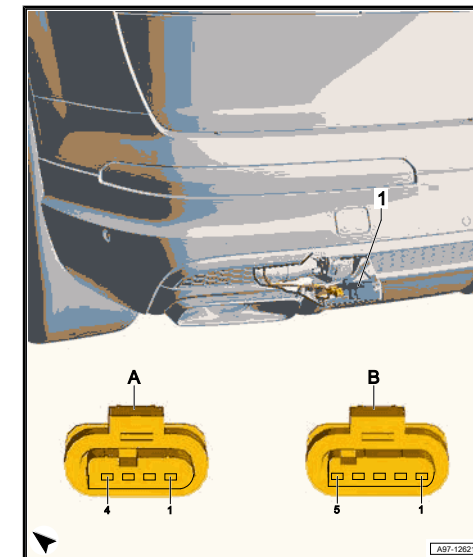
A - 4-Pin Connector -T4bs- , black

B - 5-Pin Connector -T5bd- , black



1.21.2 Rear lid opening control module -J938- , connector views

4-Pin Connector -T4bs- / 5-Pin Connector -T5bd-



T4bs (A)	Designation		T5bd (B)	Designation
1	Terminal 30 from Comfort system central control module J393		1	Power rear lid opener sensor G750
2	Terminal 31 to 667 Ground connection on roof, left rear		2	Power rear lid opener sensor G750
3	LIN-Bus, to Comfort system central control module J393		3	
4			4	Power rear lid opener sensor 2 G760
			5	Power rear lid opener sensor 2 G760

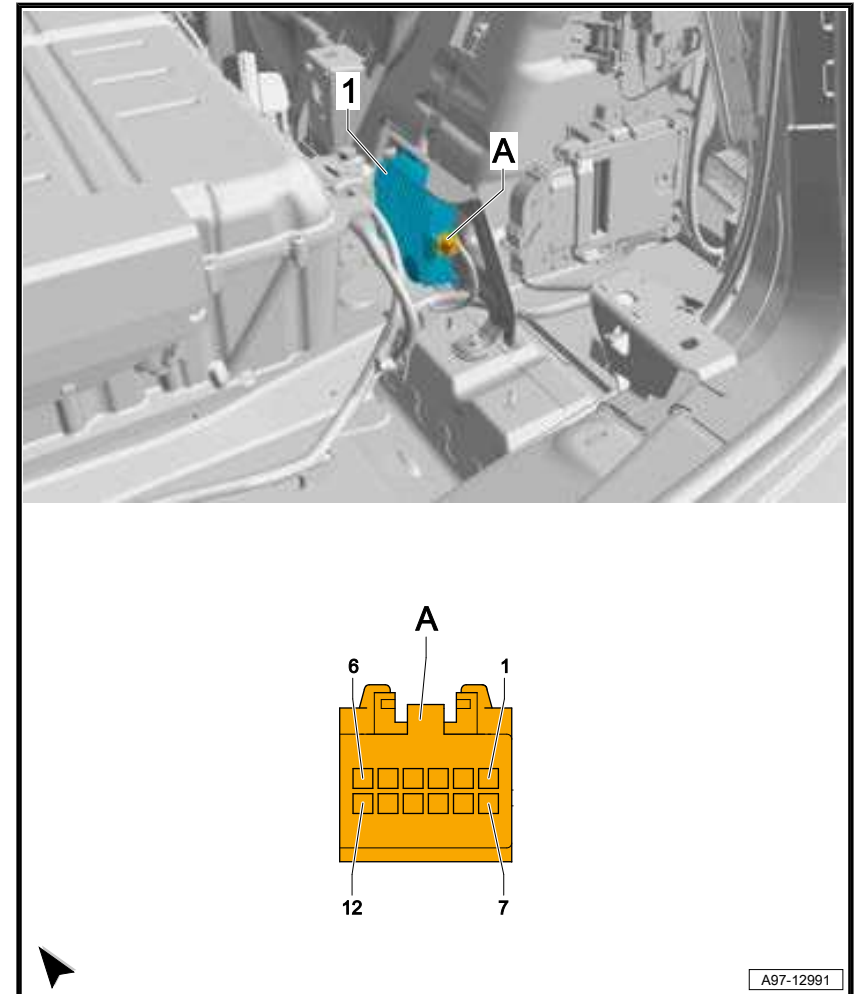
1.22 Engine sound generator control module J943

- ◆ ⇒ [“1.22.1 Engine sound generator control module J943 , location, W/ High-Voltage System \(0K3\)”, page 60](#)
- ◆ ⇒ [“1.22.2 Engine sound generator control module J943 , connector views, W/ High-Voltage System \(0K3\)”, page 62](#)
- ◆ ⇒ [“1.22.3 Engine sound generator control module J943 , location W/ 8 cyl. TDI engine”, page 62](#)
- ◆ ⇒ [“1.22.4 Engine sound generator control module J943 , connector views W/ 8 cyl. TDI engine”, page 64](#)

1.22.1 Engine sound generator control module -J943- , location, W/ High-Voltage System (0K3)

1 - Engine Sound Generator Control Module -J943-

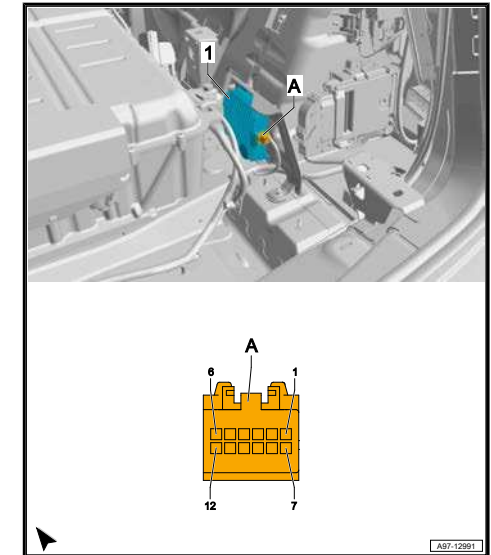
A - 12-Pin Connector -T12i- , black



A97-12991

1.22.2 Engine sound generator control module -J943- , connector views, W/ High- Voltage System (0K3)

12-Pin Connector -T12i-

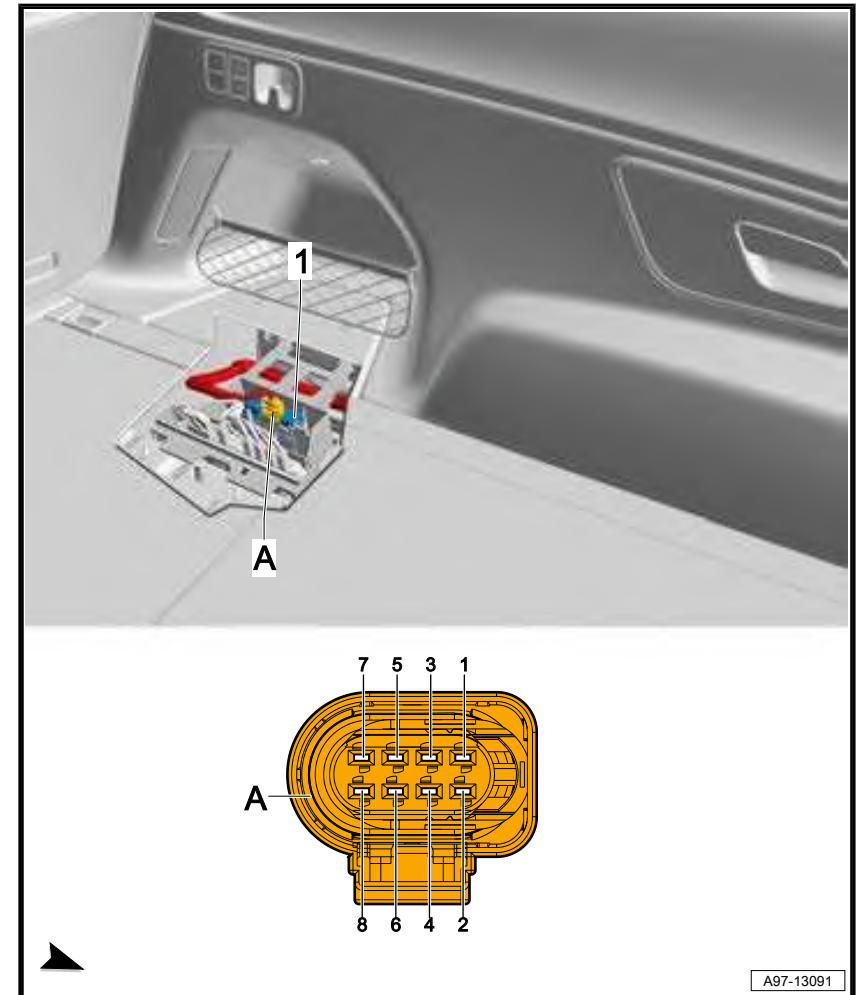


T12i (A)	Designation		T12i (A)	Designation
1	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB		7	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left		8	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left
3	Engine sound generator actuator 1 R257		9	
4	Engine sound generator actuator 1 R257		10	
5			11	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)
6			12	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)

1.22.3 Engine sound generator control module -J943- , location W/ 8 cyl. TDI engine

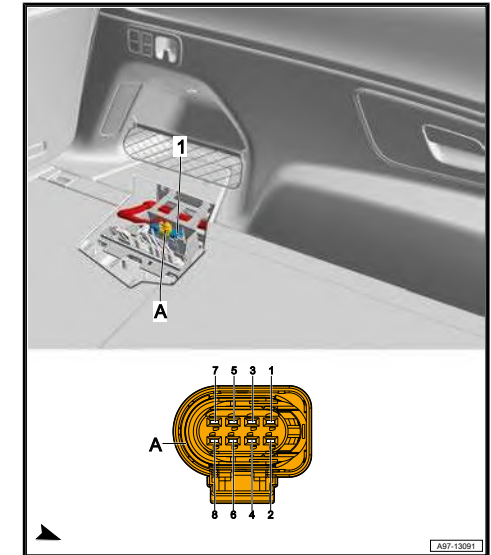
1 - Engine Sound Generator Control Module -J943-

A - 8-Pin Connector -T8ah- , black



1.22.4 Engine sound generator control module -J943- , connector views W/ 8 cyl. TDI engine

8-Pin Connector -T8ah-



T8ah (A)	Designation		T8ah (A)	Designation
1	Extended System CAN-Bus Low, to B671 CAN-Bus Extended Low Connection 3 (in main wiring harness)		5	Engine sound generator actuator 2 R258
2	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left		6	Engine sound generator actuator 2 R258
3	Extended System CAN-Bus High, to B670 CAN-Bus Extended High Connection 3 (in main wiring harness)		7	Engine sound generator actuator 1 R257
4	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB		8	Engine sound generator actuator 1 R257

1.23 Rear axle steering control module J1019

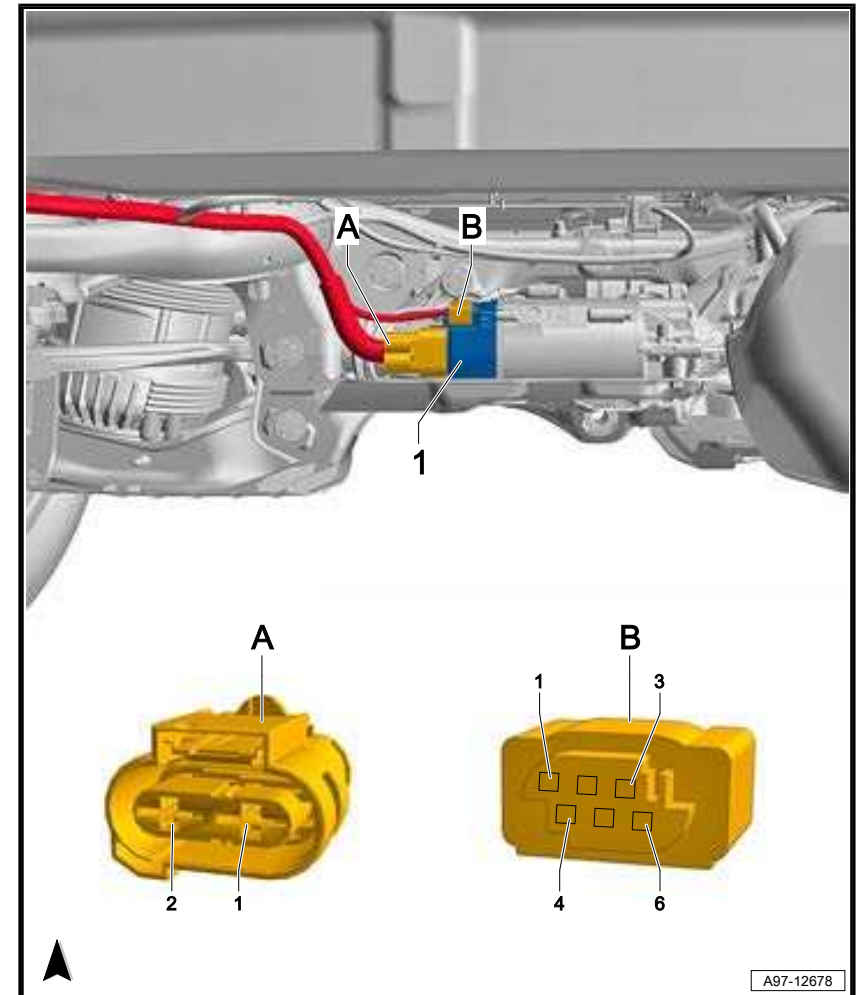
- ◆ ⇒ ["1.23.1 Rear axle steering control module J1019 , location", page 64](#)
- ◆ ⇒ ["1.23.2 Rear axle steering control module J1019 , connector views", page 66](#)

1.23.1 Rear axle steering control module -J1019- , location

1 - Rear axle steering control module -J1019-

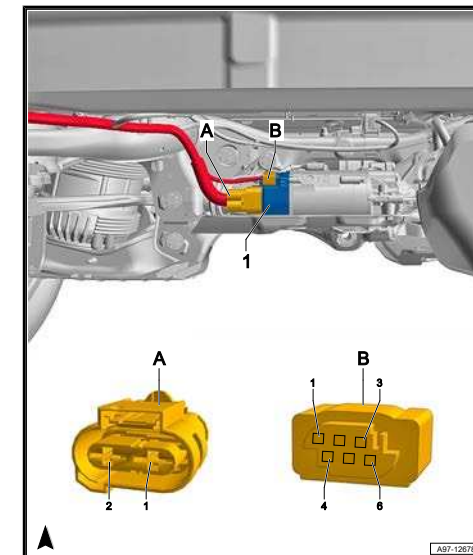
A - Double Connector -T2ap-

B - 6-Pin Connector -T6f-



1.23.2 Rear axle steering control module -J1019-, connector views

6-Pin Connector -T6f- / Double Connector -T2ap-



T2ap (A)	Designation		T6f (B)	Designation
1	Terminal 30, from Fuse 3 on wire junction S373 in Wire junctionTV1 ¹⁾ Fuse 4 - terminal 30 S207 in Terminal 30 wire junction 3TV28 ²⁾		1	FlexRay-Bus, from Connector station in luggage compartment, left THRL Data Bus On Board Diagnostic Interface J533 ³⁾ Differential lock control module J187 ⁴⁾
2	Terminal 31, to 729 Ground connection on left rear wheel housing		2	
			3	
			4	FlexRay-Bus, from Connector station in luggage compartment, left THRL Data Bus On Board Diagnostic Interface J533 ³⁾ Differential lock control module J187 ⁴⁾
			5	
			6	

¹⁾ Models without High-Voltage System (0K0)

²⁾ Models with High-Voltage System (0K3)

³⁾ Only models without Differential lock control module J187

⁴⁾ Only models with Differential lock control module J187

1.24 Sway stabilization control module 2 J1096

- ◆ ⇒ [“1.24.1 Sway stabilization control module 2 J1096 , location”, page 67](#)
- ◆ ⇒ [“1.24.2 Sway stabilization control module 2 J1096 , connector views, T4hy”, page 68](#)
- ◆ ⇒ [“1.24.3 Sway stabilization control module 2 J1096 , connector views, T6bz, T6bu”, page 69](#)

1.24.1 Sway stabilization control module 2 -J1096-, location

1 - Sway stabilization control module 2 -J1096-

A - 4-Pin Connector -T4hy- , black

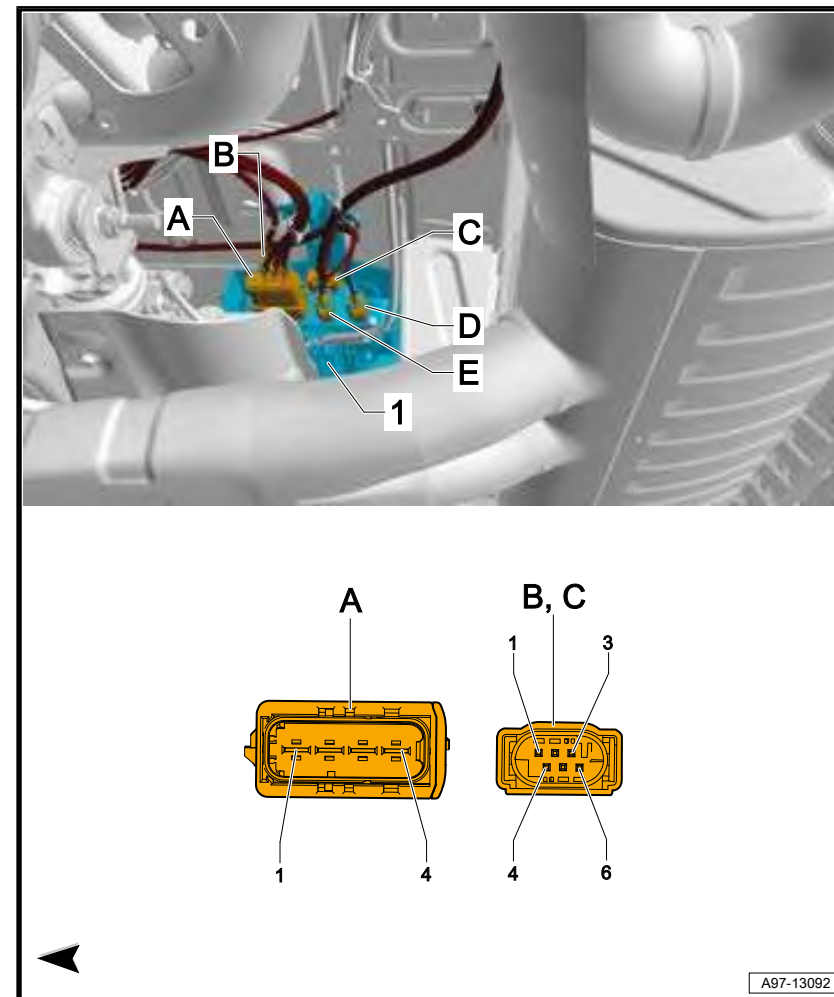
B - 6-Pin Connector -T6bz- , black

C - 6-Pin Connector -T6bu- , black

D - Terminal 40

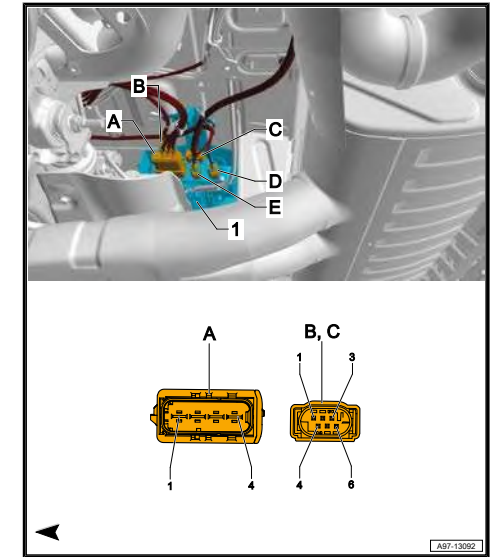
E - Terminal 41

- ❑ 5 seater models (5KA): to 66 Ground connection (on right rear long member)
- ❑ 7 seater models (5KL): to 69 Ground connection (on right cross member)



1.24.2 Sway stabilization control module 2 -J1096- , connector views, T4hy

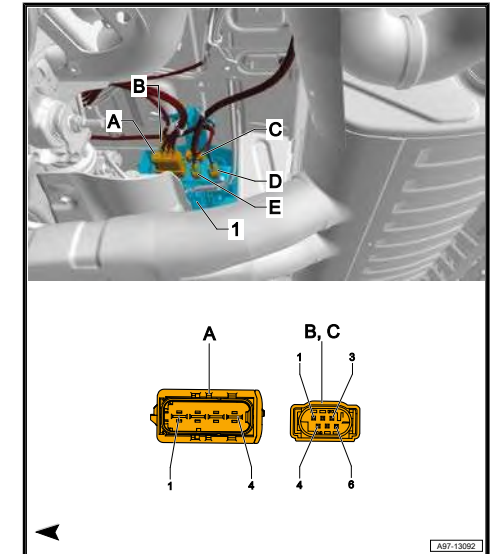
4-Pin Connector -T4hy-



T4hy (A)	Designation
1	Actuator for running gear stabilisation, rear left V636 (motor phase W)
2	Actuator for running gear stabilisation, rear left V636 (motor phase V)
3	Actuator for running gear stabilisation, rear left V636 (motor phase U)
4	

1.24.3 Sway stabilization control module 2 -J1096- , connector views, T6bz, T6bu

6-Pin Connector -T6bz- / 6-Pin Connector -T6bu-



T6bz (B)	Designation	T6bu (C)	Designation
1	Actuator for running gear stabilisation, rear left V636 (CAN-Bus High)	1	CAN Bus, drivetrain control module High to E157 Connection 1 (CAN-Bus, drivetrain control module, High)
2	Actuator for running gear stabilisation, rear left V636 (CAN-Bus Low)	2	CAN Bus, drivetrain control module Low to E158 Connection 1 (CAN-Bus, drivetrain control module, Low)
3		3	Terminal 15, from Fuse Carrier 4 ST4 in fuse panel B SB
4		4	Terminal 30, from Fuse Carrier 4 ST4 in fuse panel F SF
5	Actuator for running gear stabilisation, rear left V636 (5V supply)	5	
6	Actuator for running gear stabilisation, rear left V636 (ground supply)	6	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left

1.25 CD Changer R41 / DVD Changer R161

◆ ⇒ ["1.25.1 CD Changer R41 / DVD Changer R161 , location", page 69](#)

◆ ⇒ ["1.25.2 CD Changer R41 / DVD Changer R161 , connector views", page 71](#)

1.25.1 CD Changer -R41- / DVD Changer -R161- , location

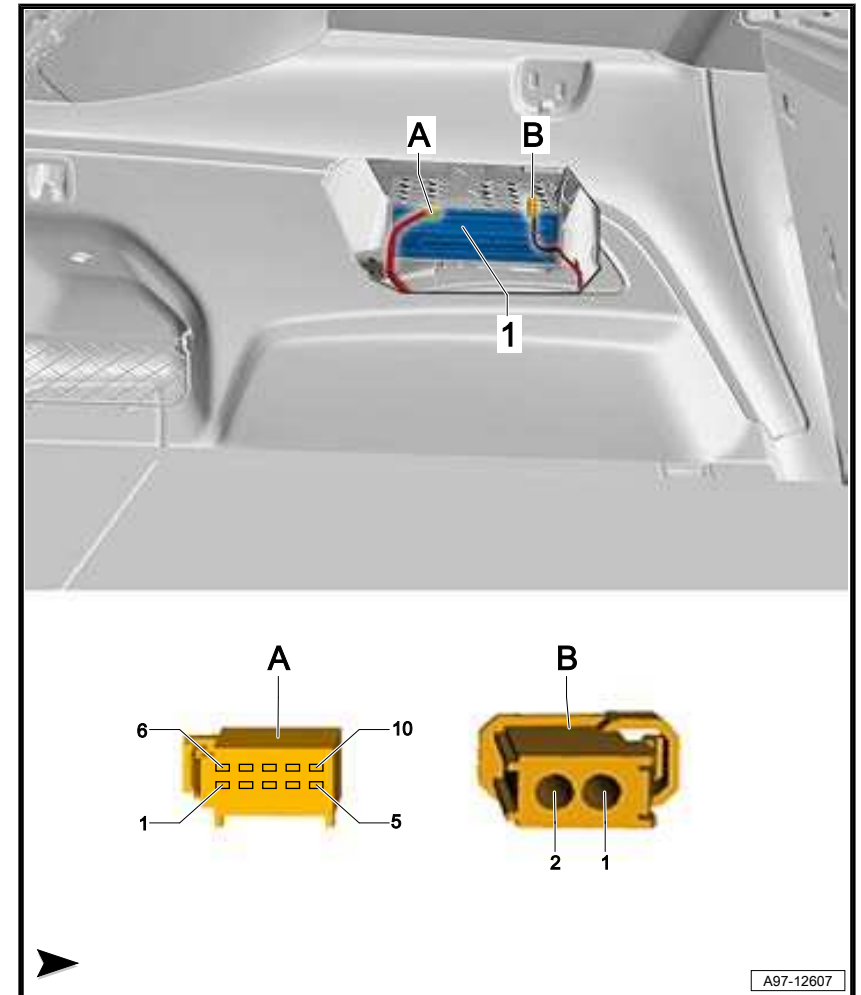
1 - CD Changer -R41-

1 - DVD Changer -R161-

A - 10-Pin Connector -T10I-, black

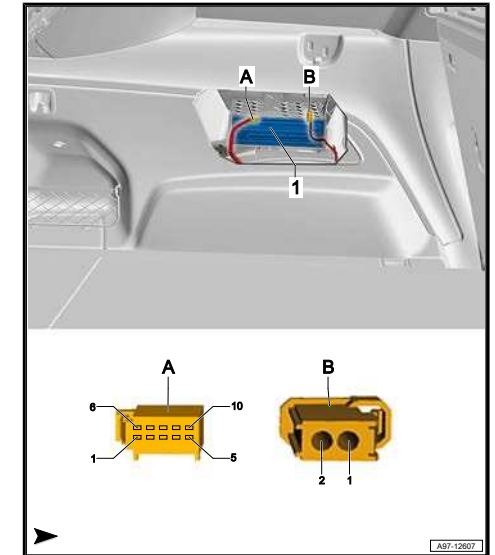
B - Double Connector -T2ev-, black

□ MOST Bus



1.25.2 CD Changer -R41- / DVD Changer -R161- , connector views

10-Pin Connector -T10I-



T10I (A)	Designation		T10I (A)	Designation
1			6	
2			7	
3	Ringbreak Diagnosis		8	
4			9	
5	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF		10	Terminal 31, to 676 Ground Connection 2, in luggage compartment, left

1.26 Auxiliary Heater RF Receiver R64

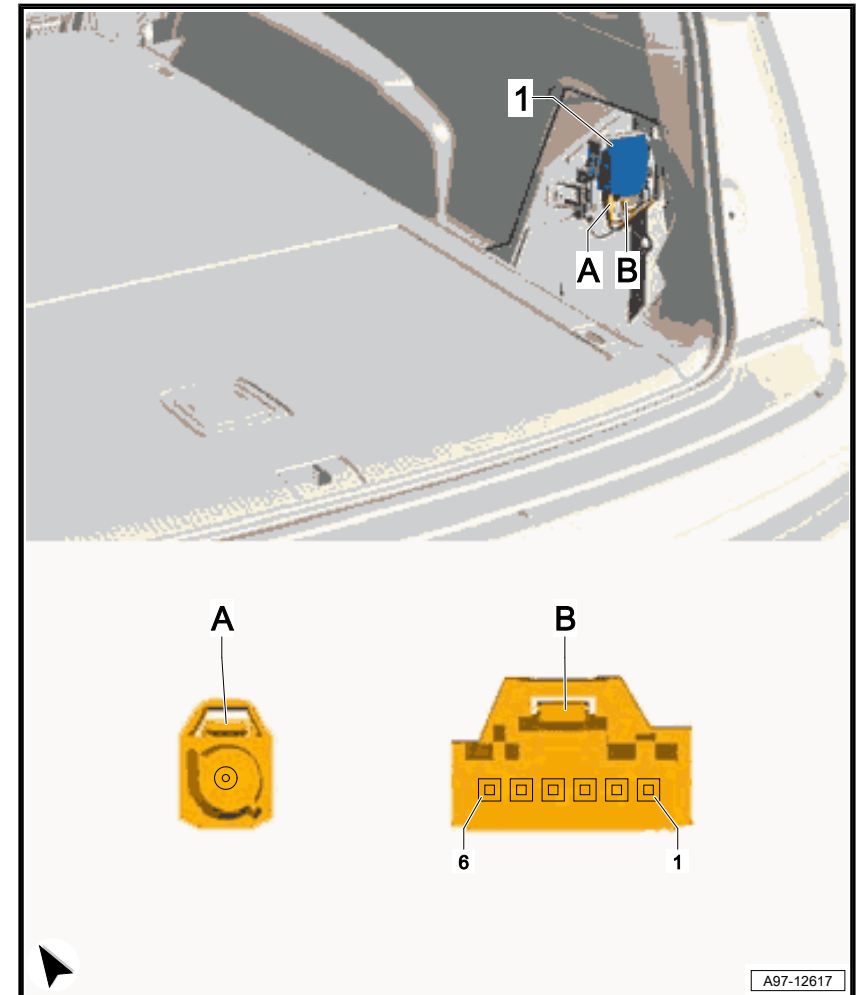
- ◆ ⇒ [“1.26.1 Auxiliary Heater RF Receiver R64 , location”, page 71](#)
- ◆ ⇒ [“1.26.2 Auxiliary Heater RF Receiver R64 , connector views”, page 73](#)

1.26.1 Auxiliary Heater RF Receiver -R64- , location

1 - Auxiliary Heater RF Receiver -R64-

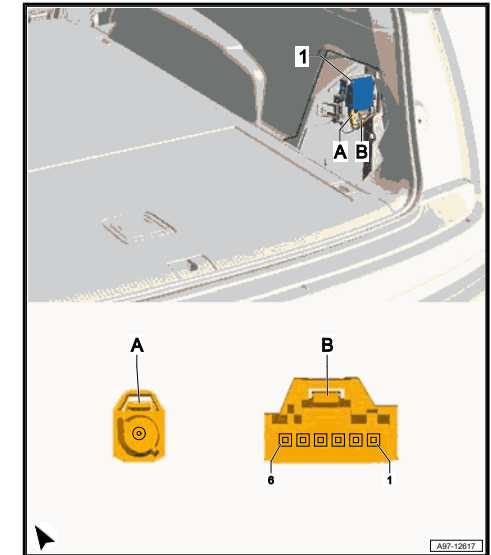
A - Double Connector -T2ai- , beige

B - 6-Pin Connector -T6e- , blue



1.26.2 Auxiliary Heater RF Receiver -R64- , connector views

6-Pin Connector -T6e-



T6e (B)	Designation
1	Terminal 31, to 51 Ground Connection (in right luggage compartment)
2	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
3	
4	
5	Auxiliary Heater Control Module J364
6	

1.27 TV Tuner R78

♦ ⇒ ["1.27.1 TV Tuner R78 , location", page 73](#)

♦ ⇒ ["1.27.2 TV Tuner R78 , connector views", page 75](#)

1.27.1 TV Tuner -R78- , location

1 - TV Tuner -R78-

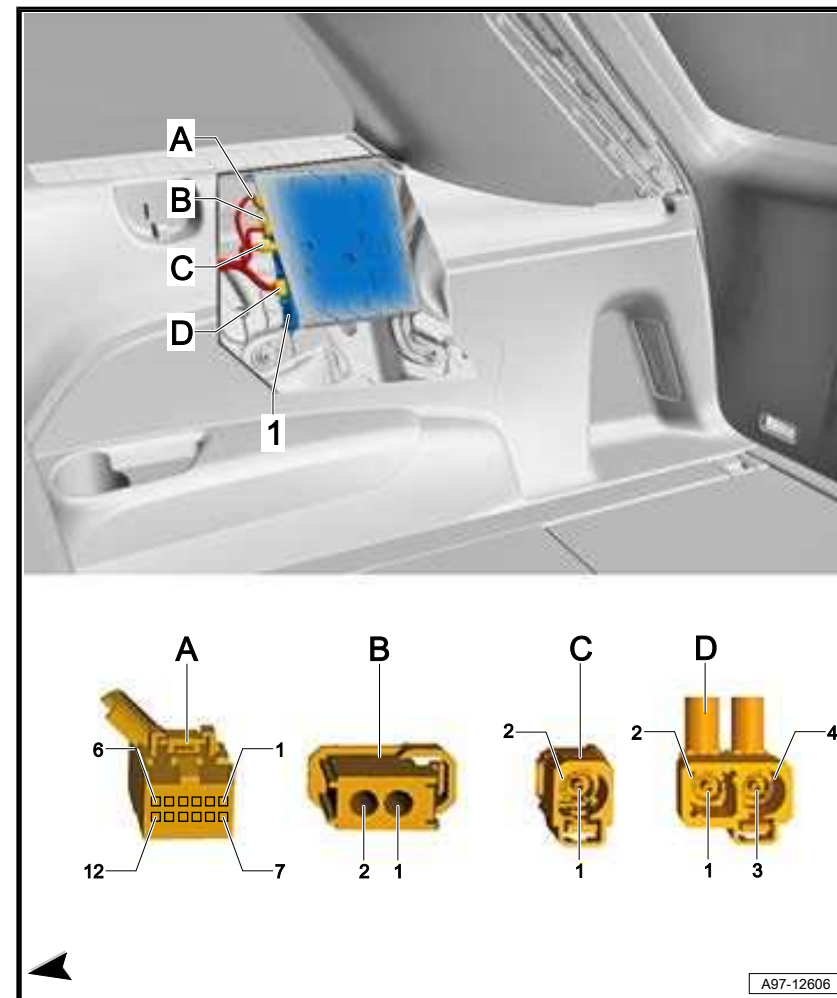
A - 12-Pin Connector -T12h- , black

B - Double Connector -T2be- , black

□ MOST Bus

C - Double Connector -T2bg- , brown

D - 4-Pin Connector -T4n- , green

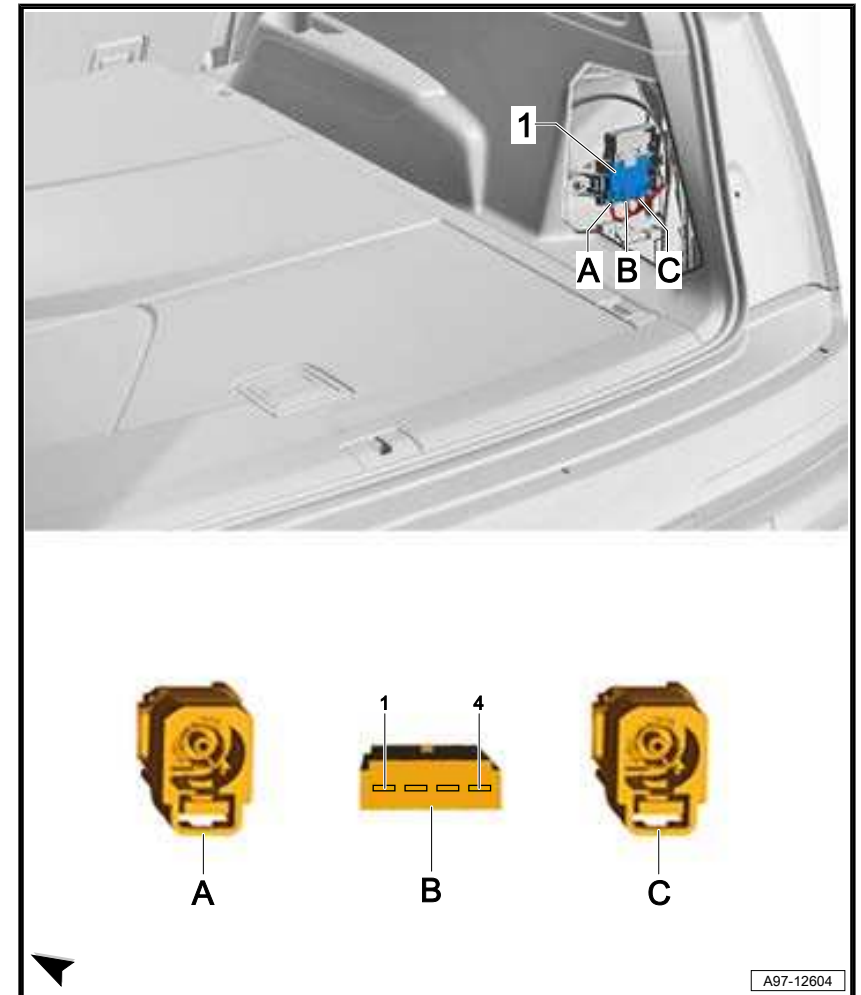


1 - Amplifier for Telephone -R86-

A - Double Connector -T2kf- , bordeaux violet

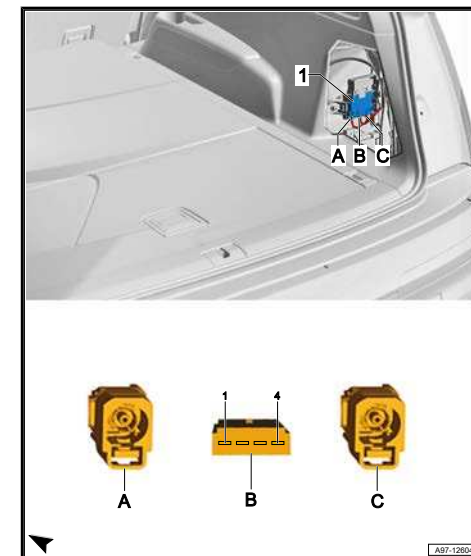
B - 4-Pin Connector -T4fk- , black

C - Double Connector -T2kg- , black



1.28.2 Amplifier for Telephone -R86- , connector views

4-Pin Connector -T4fk-



T4fk (B)	Designation
1	Terminal 30, from Fuse Carrier 3 ST3 in fuse panel F SF
2	Terminal 31, to 51 Ground Connection (in right luggage compartment)
3	Control Module for Information Electronics 1 J794
4	

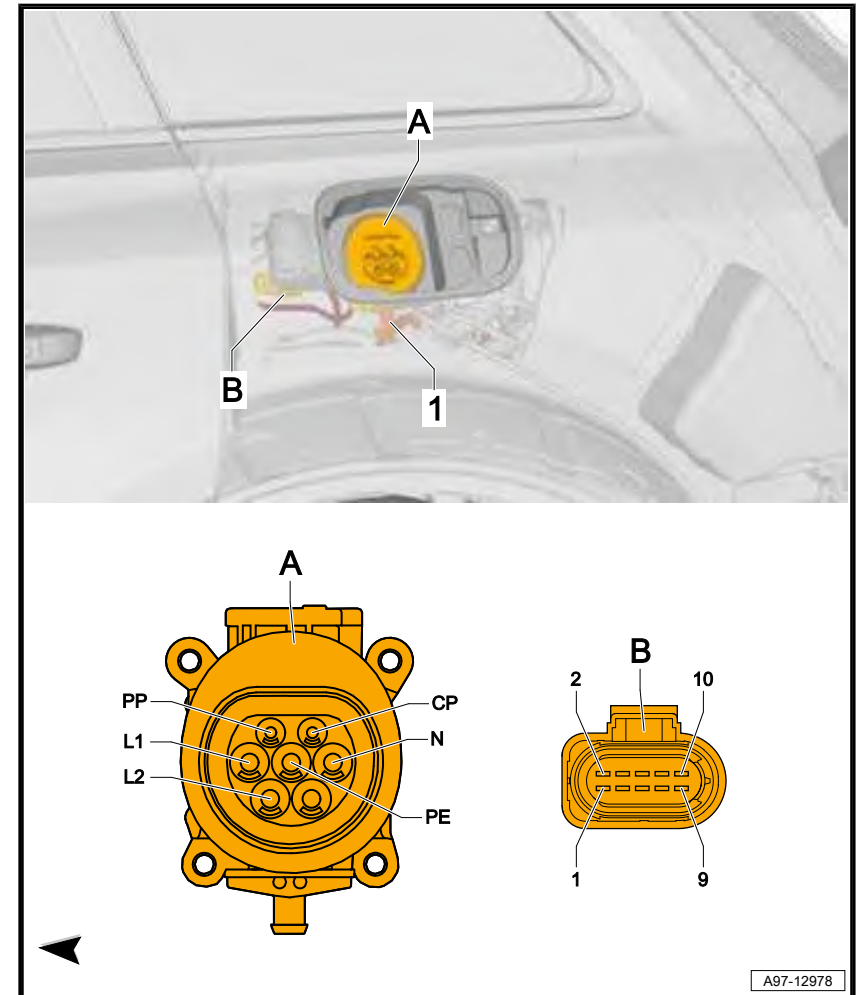
1.29 High voltage battery charging socket 1 UX4

♦ ⇒ [“1.29.1 High voltage battery charging socket 1 UX4 , location”, page 77](#)

♦ ⇒ [“1.29.2 High voltage battery charging socket 1 UX4 , connector views”, page 79](#)

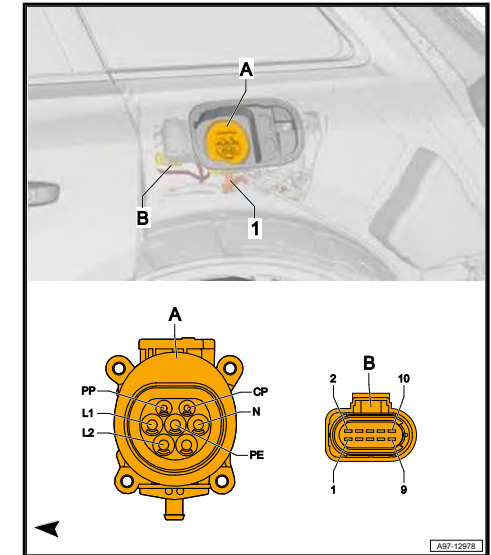
1.29.1 High voltage battery charging socket 1 -UX4- , location

- 1 - High voltage charging socket high voltage cable
- A - High voltage battery charging socket 1 -UX4-
- B - Coupling point in luggage compartment, left THRL



1.29.2 High voltage battery charging socket 1 -UX4- , connector views

10-Pin Connector -T10adx-



T10adx (B)	Designation		T10adx (B)	Designation
1	High voltage battery charging socket 1 UX4		6	
2	High voltage battery charging socket 1 UX4		7	High voltage connector lock 1 adjuster F498
3	Charging socket temperature sensor 1 G853		8	High voltage connector lock 1 adjuster F498
4	Charging socket temperature sensor 1 G853		9	High voltage connector lock 1 adjuster F498
5	High voltage battery charging socket 1 UX4 ^{1) 2)}		10	High voltage connector lock 1 adjuster F498

¹⁾ Only models with Japan equipment

²⁾ Only models for US/CDN

1 Comp. Loc. Connector stations

1.1 Connector station in engine compartment -TM- / Connector station in engine compartment, right -TMR-

A - 3-Pin Connector -T3cg- , yellow/

A - 3-Pin Connector -T3cgx- , yellow

B - Double Connector -T2cn- , black

❑ Only models without High-Voltage System (0K0)

B - Double Connector -T2cnx- , black

B - 6-Pin Connector -T6r- , black

❑ Only models with High-Voltage System (0K3) and 6 cylinder diesel engine

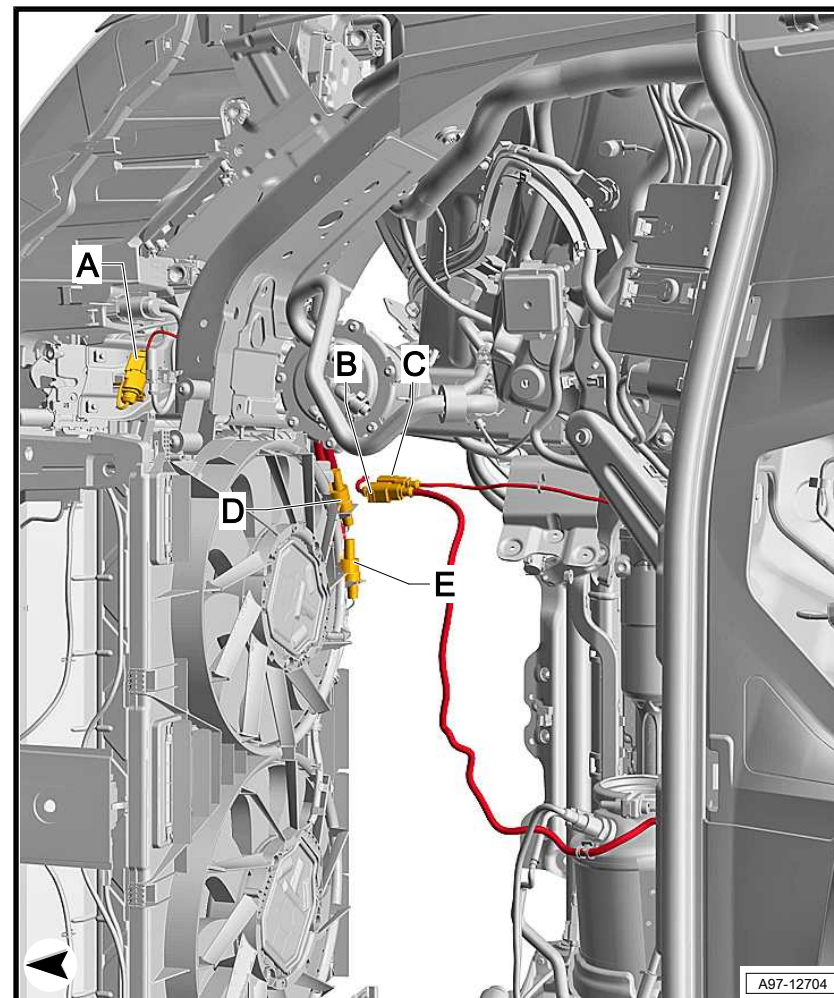
B - 6-Pin Connector -T6rx- , black

C - Single Connector -T1f- , black

C - Single Connector -T1fx- , black

D - 4-Pin Connector -T4w-

E - 4-Pin Connector -T4y-



1.2 Connector station in engine compartment, left -TML-

- ◆ ⇒ [“1.2.1 All engines, part I”, page 2](#)
- ◆ ⇒ [“1.2.2 All engines, part II”, page 4](#)
- ◆ ⇒ [“1.2.3 4 cyl. TFSI gas engines, CYMC”, page 5](#)
- ◆ ⇒ [“1.2.4 6 cyl. TFSI gas engines, CREC”, page 6](#)
- ◆ ⇒ [“1.2.5 6 cyl. TDI engine, CUEA”, page 7](#)
- ◆ ⇒ [“1.2.6 8 cyl. TDI engine, DCDB”, page 8](#)

1.2.1 All engines, part I

C - 3-Pin Connector -T3bk- , black

- ☐ Only models without High-Voltage System (0K0)

C - 3-Pin Connector -T3bkx- , black

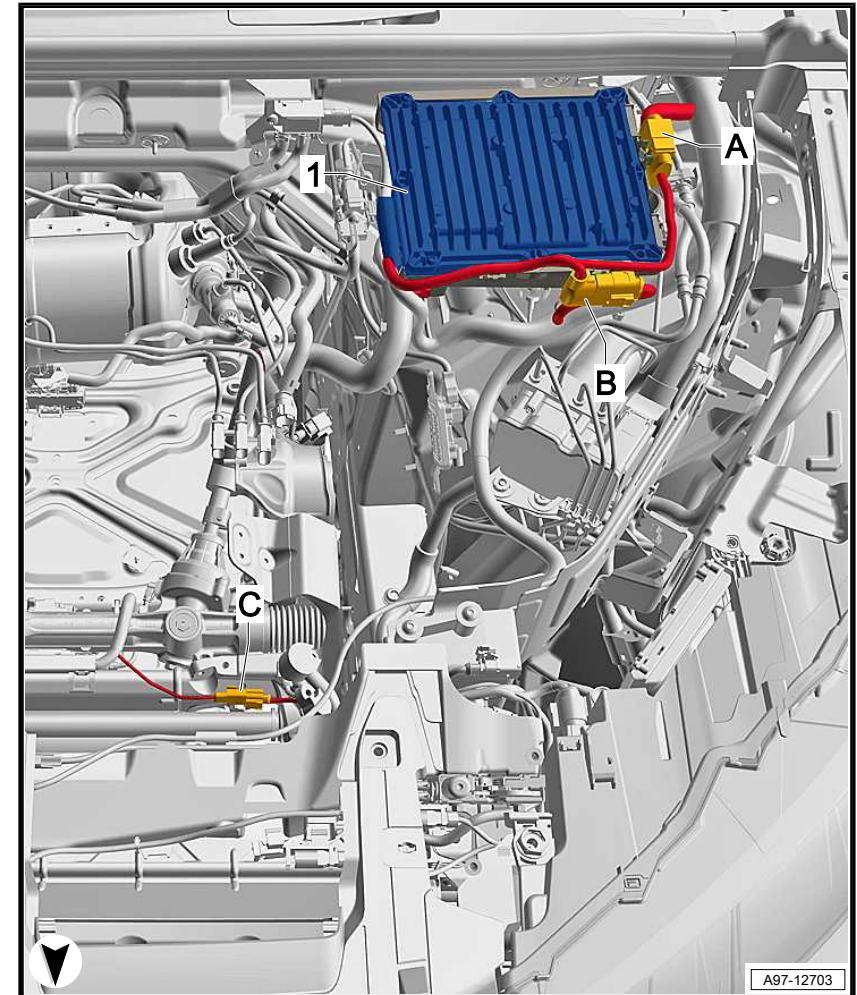
- ☐ Only models without High-Voltage System (0K0)

C - 8-Pin Connector -T8ag- , black

- ❑ Only models with high-voltage system (0K3)

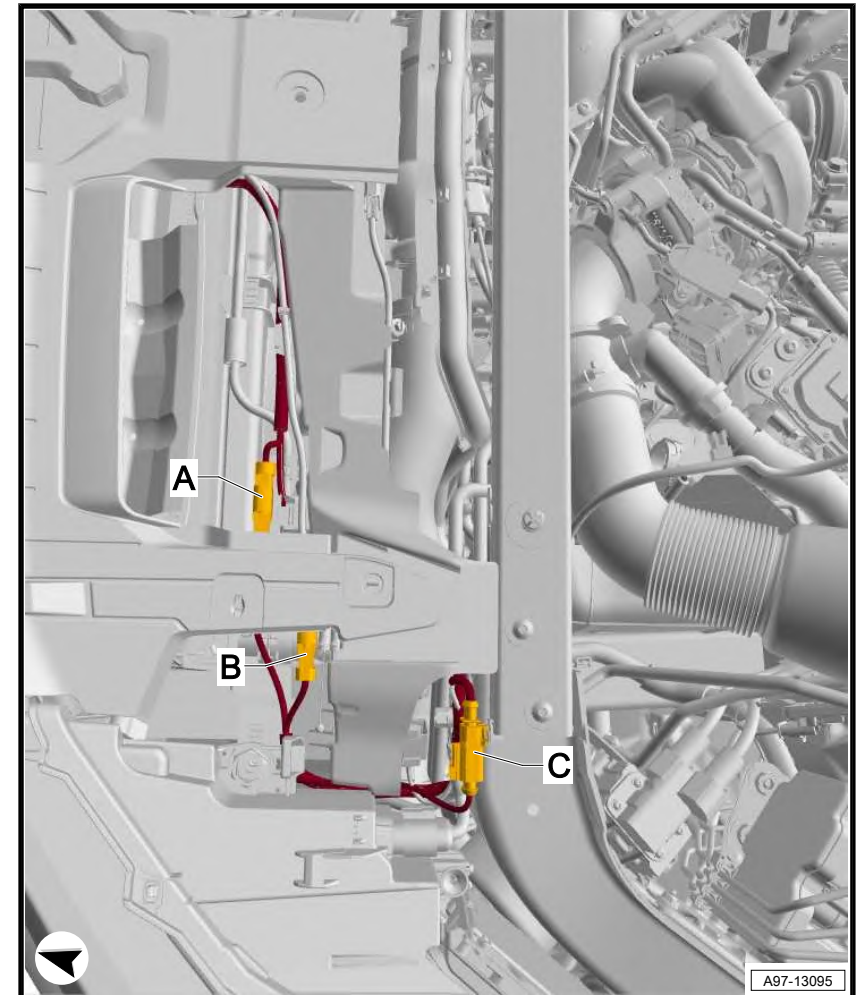
C - 8-Pin Connector -T8agx- , black

- ☐ Only models without High-Voltage System (0K0)



1.2.2 All engines, part II

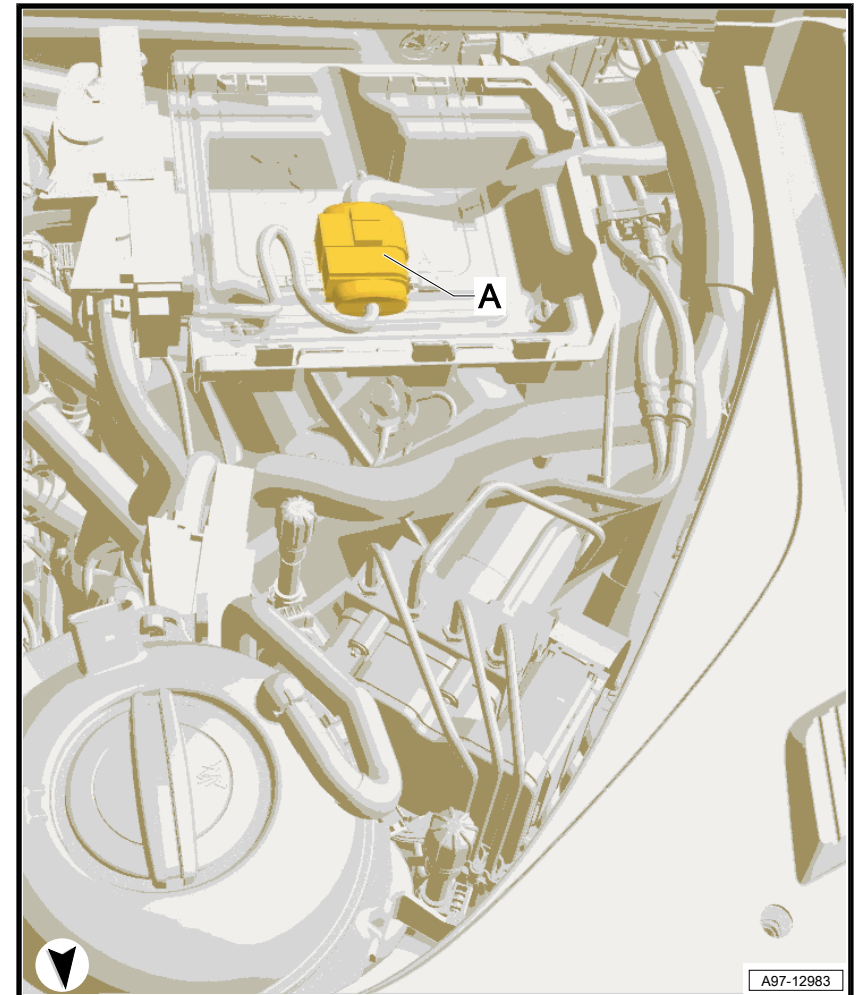
- A - 5-Pin Connector -T5az- , black
- A - 5-Pin Connector -T5azx- , black
- B - 5-Pin Connector -T5ba- , black
- B - 5-Pin Connector -T5bax- , black
- C - 3-Pin Connector -T3ch- , yellow
- C - 3-Pin Connector -T3chx- , yellow



1.2.3 4 cyl. TFSI gas engines, CYMC

A - 14-Pin Connector -T14f- , black

A - 14-Pin Connector -T14fx- , black



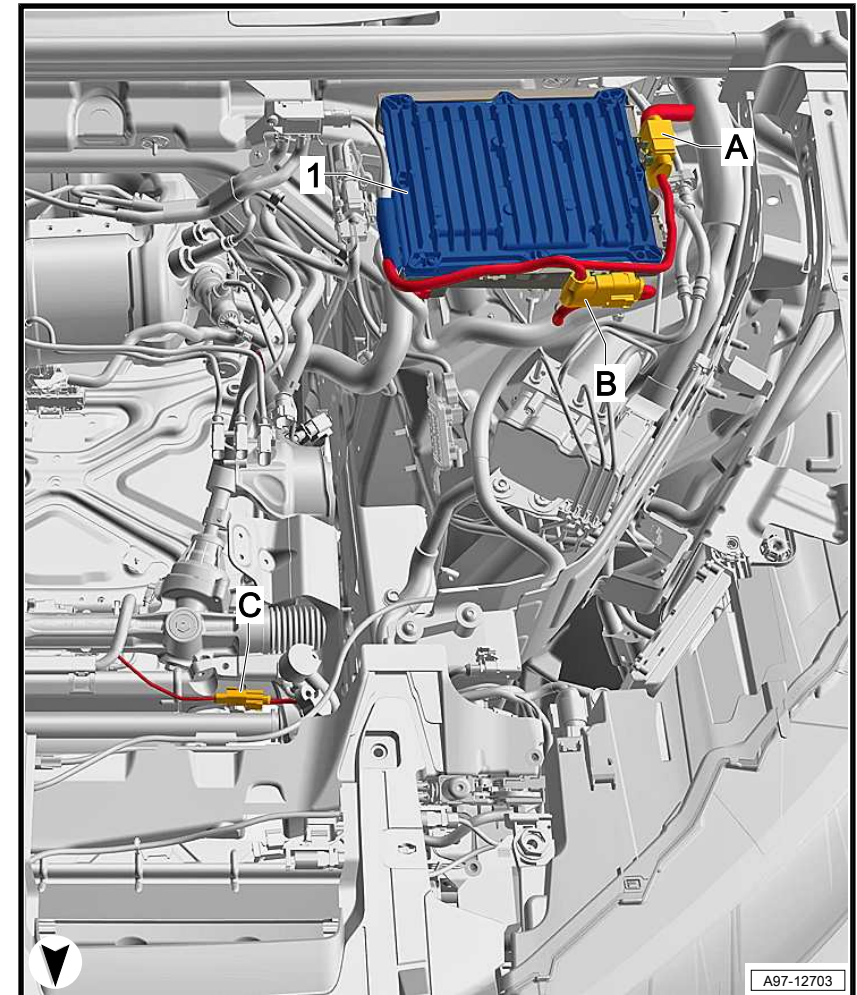
1.2.4 6 cyl. TFSI gas engines, CREC

- A - 14-Pin Connector -T14f- , black
- A - 14-Pin Connector -T14fx- , black
- B - 14-Pin Connector -T14a- , grey
- B - 14-Pin Connector -T14ax- , grey



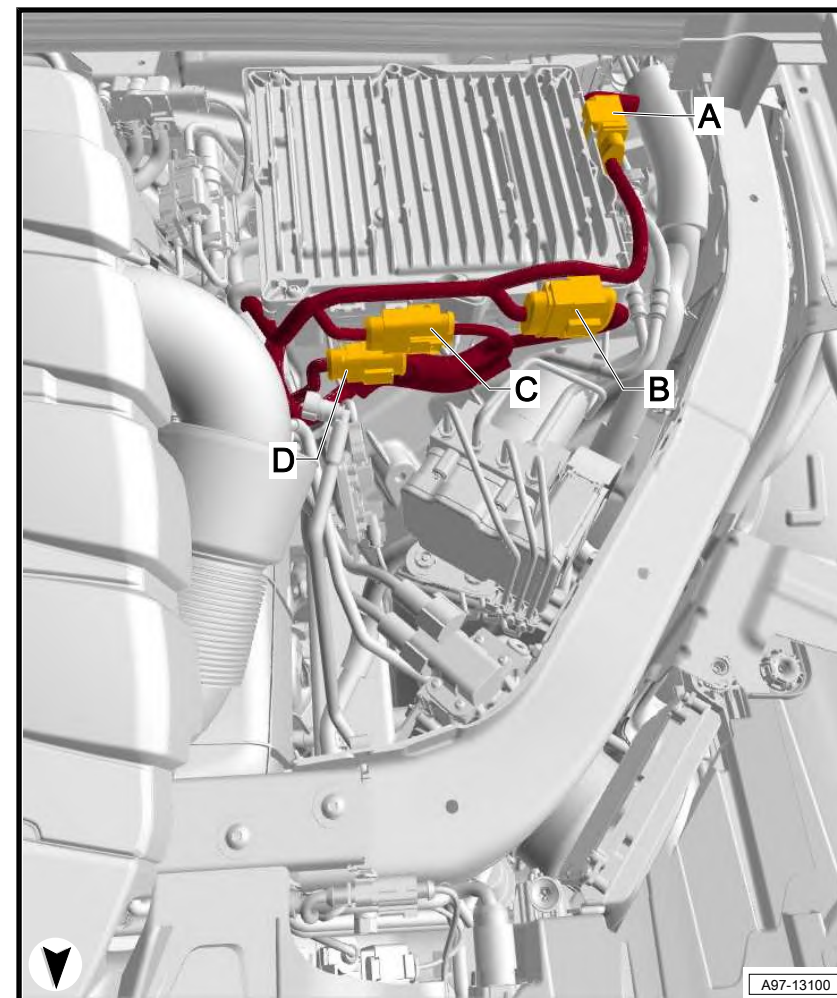
1.2.5 6 cyl. TDI engine, CUEA

- A - 14-Pin Connector -T14f- , black
- A - 14-Pin Connector -T14fx- , black
- B - 14-Pin Connector -T14a- , black
- B - 14-Pin Connector -T14ax- , black



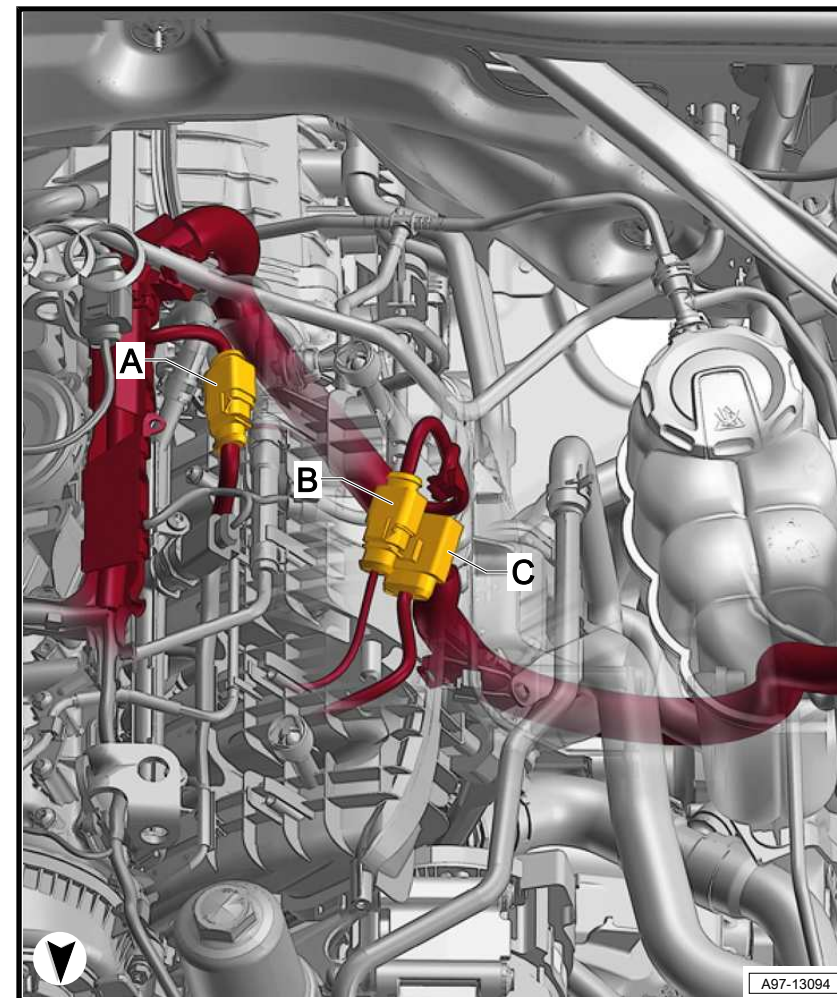
1.2.6 8 cyl. TDI engine, DCDB

- A - 14-Pin Connector -T14f- , black
- A - 14-Pin Connector -T14fx- , black
- B - 14-Pin Connector -T14a- , grey
- B - 14-Pin Connector -T14ax- , grey
- C - 14-Pin Connector -T14k- , black
- C - 14-Pin Connector -T14kx- , black
- D - 8-Pin Connector -T8aq- , black
- D - 8-Pin Connector -T8aqx- , black



1.3 Connector station on engine, top -TMO-

- A - 8-Pin Connector -T8ak- , black
- A - 8-Pin Connector -T8akx- , black
- B - 8-Pin Connector -T8al- , black
- B - 8-Pin Connector -T8alx- , black
- C - 14-Pin Connector -T14o- , black
- C - 14-Pin Connector -T14ox- , black



1.4 Connector station on engine, upper right -TMOR-

- ◆ ⇒ ["1.4.1 6 cyl. TDI engine, CUEA", page 10](#)
- ◆ ⇒ ["1.4.2 8 cyl. TDI engine, DCDB", page 11](#)

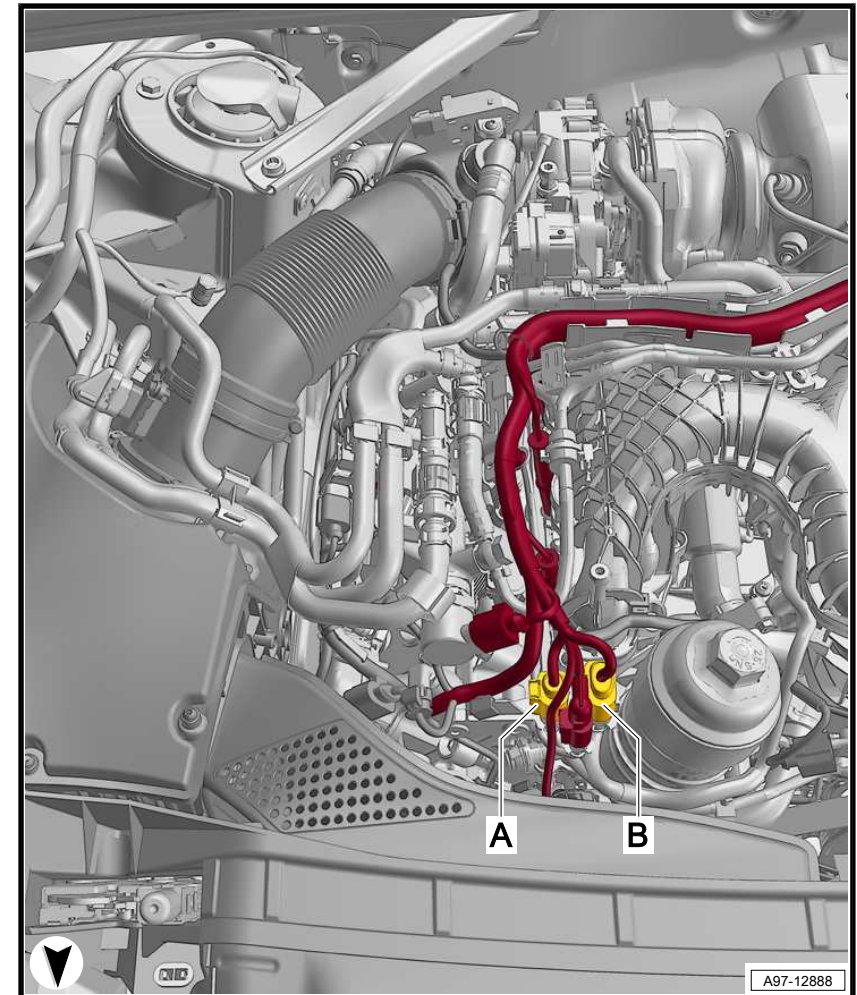
1.4.1 6 cyl. TDI engine, CUEA

A - 6-Pin Connector -T6p- , black

A - 6-Pin Connector -T6px- , black

B - 10-Pin Connector -T10h- , black

B - 10-Pin Connector -T10hx- , black



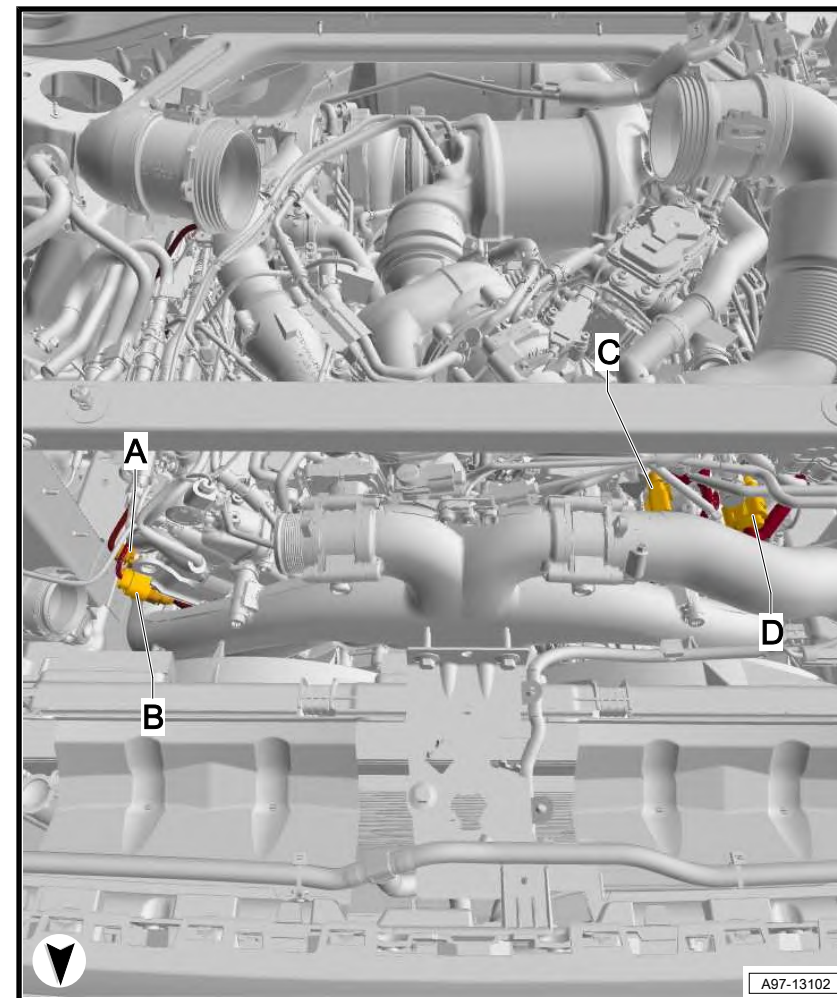
1.4.2 8 cyl. TDI engine, DCDB

A - 5-Pin Connector -T5co- , black

A - 5-Pin Connector -T5cox- , black

B - 10-Pin Connector -T10ag- , black

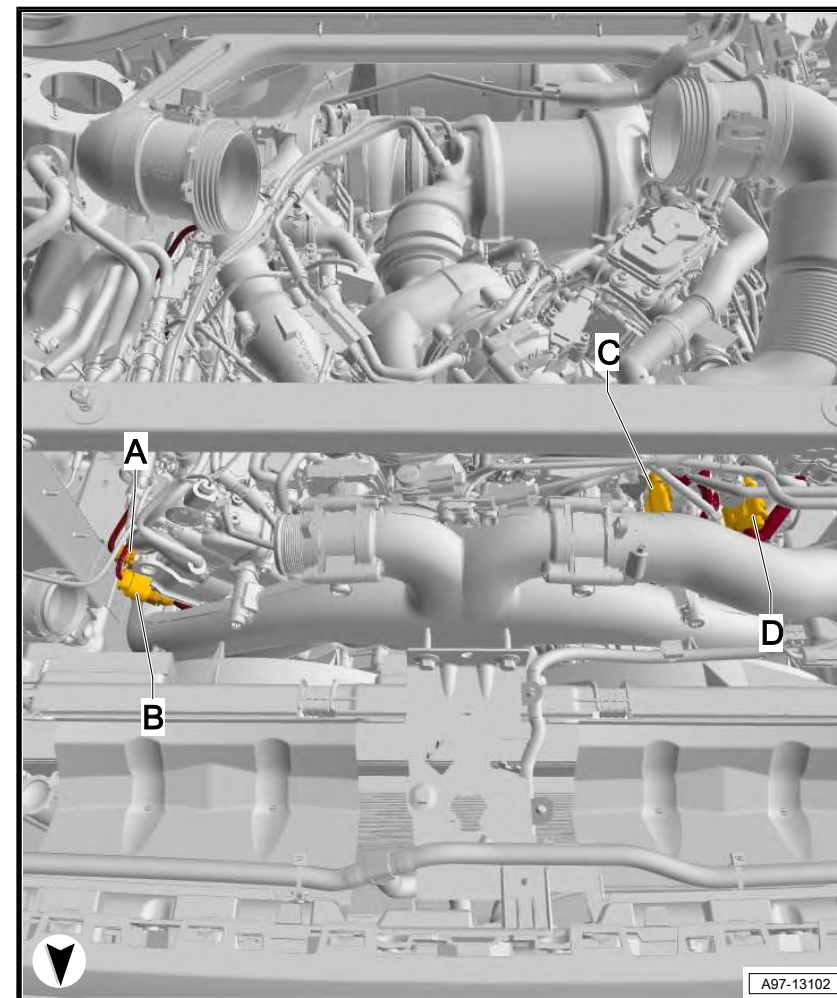
B - 10-Pin Connector -T10agx- , black



1.5 Coupling point on engine, top left -TMOL-

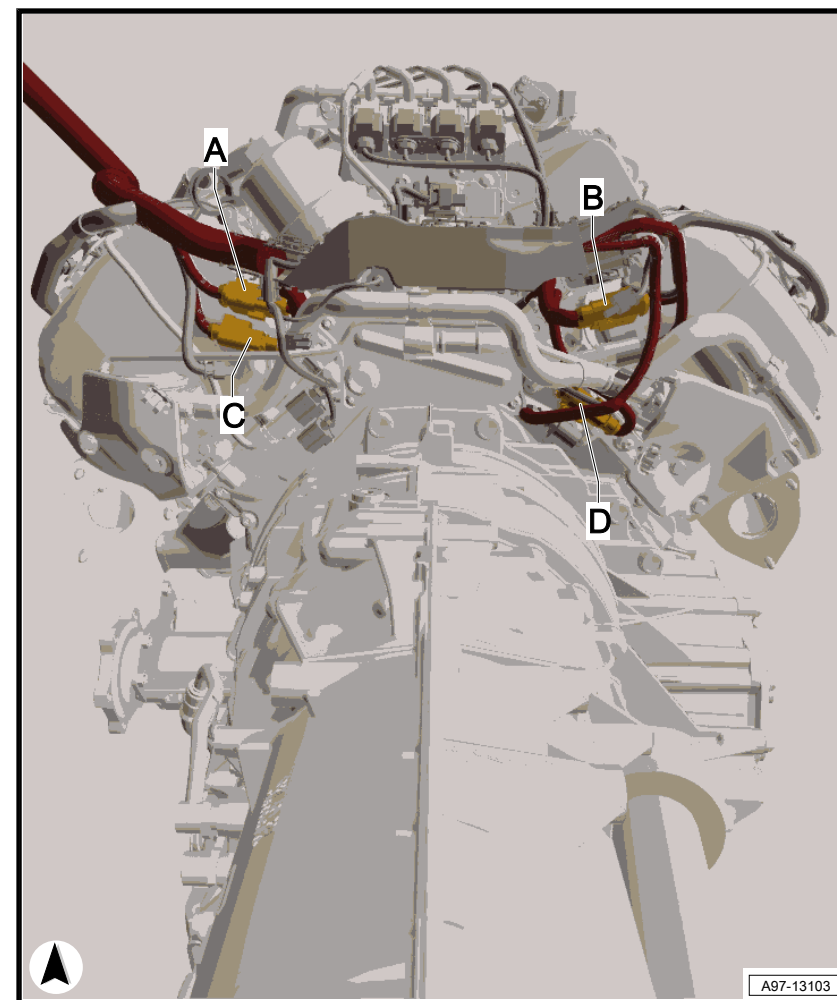
6 cyl. TDI engine, CUEA

- C - 10-Pin Connector -T10ah- , black
- C - 10-Pin Connector -T10ahx- , black
- D - 10-Pin Connector -T14l- , black
- D - 10-Pin Connector -T14lx- , black



1.6 Connector station on engine, lower right -TMUR- / Connector station on engine, lower left -TMUL-

- A - 14-Pin Connector -T14o- , black
- A - 14-Pin Connector -T14ox- , black
- B - 14-Pin Connector -T14n- , brown
- B - 14-Pin Connector -T14nx- , brown
- C - 6-Pin Connector -T6p- , black
- C - 6-Pin Connector -T6px- , black
- D - 10-Pin Connector -T10k- , black
- D - 10-Pin Connector -T10kx- , black



1.7 Connector station on left front door -TTVL-



Note

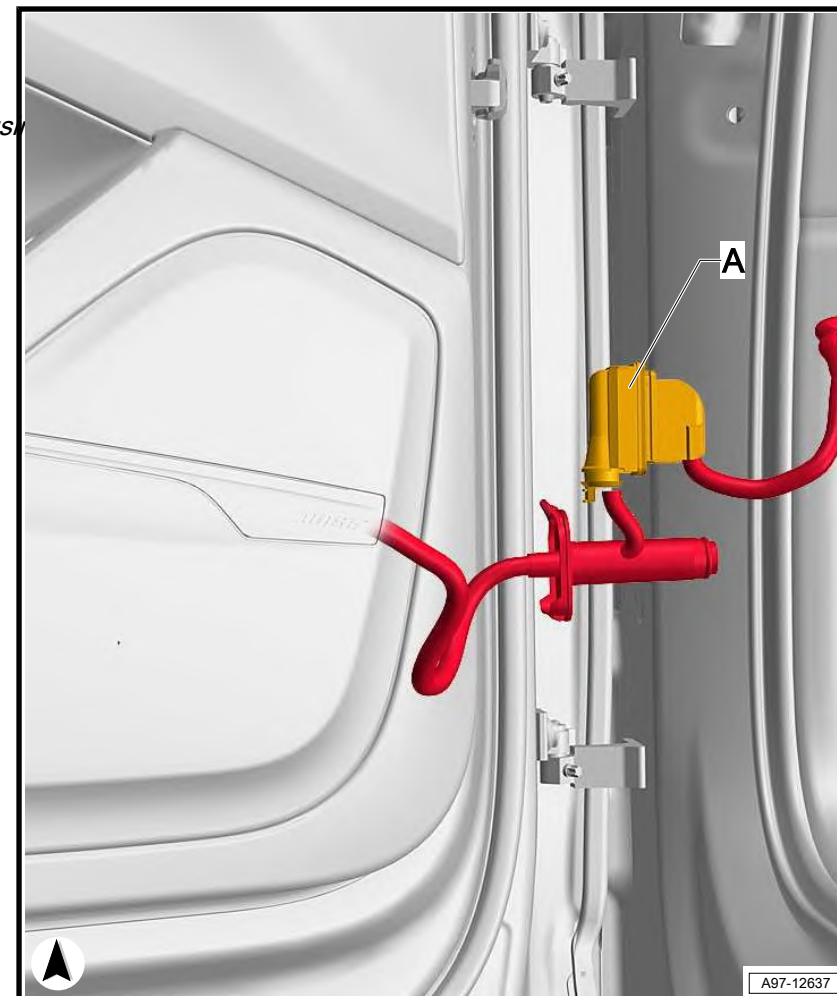
The Pin Connectors -T20f- / -T20fx- and -T5m- / -T5mx- are contained in a common connector housing

A - 20-Pin Connector -T20f- , black

A - 20-Pin Connector -T20fx- , black

A - 5-Pin Connector -T5m- , black

A - 5-Pin Connector -T5mx- , black



1.8 Connector station on right front door -TTVR-



Note

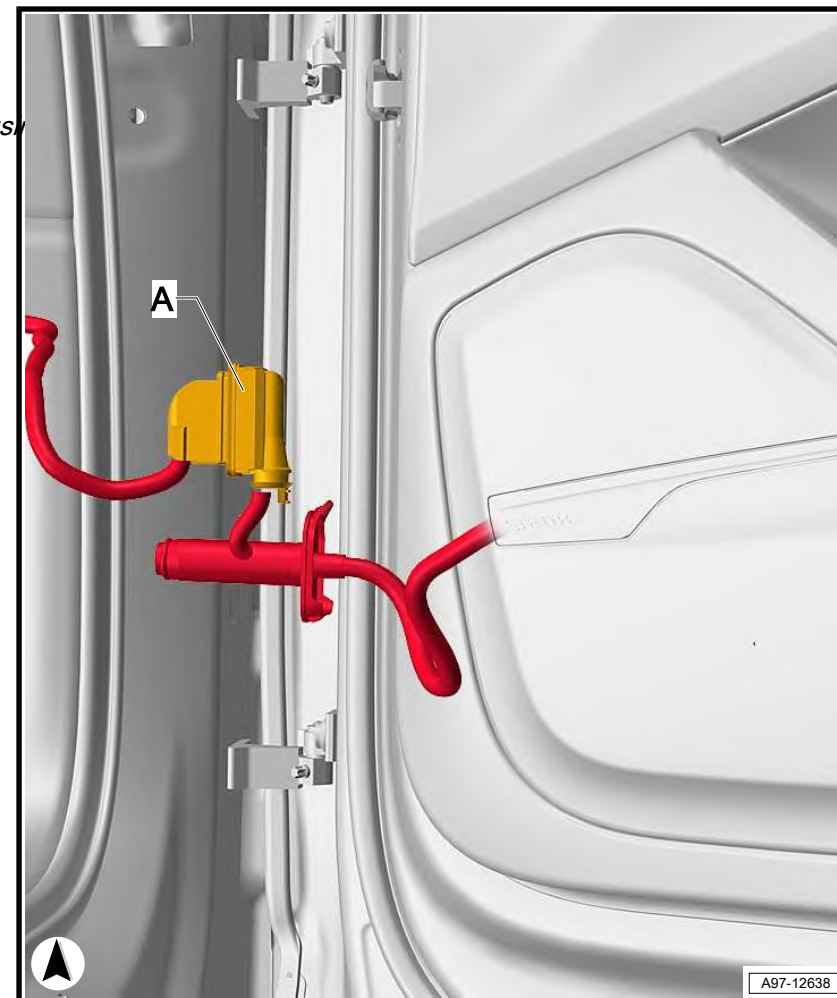
The Pin Connectors -T20g- / -T20gx- and -T5n- / -T5nx- are contained in a common connector housing

A - 20-Pin Connector -T20g- , black/

A - 20-Pin Connector -T20gx- , black

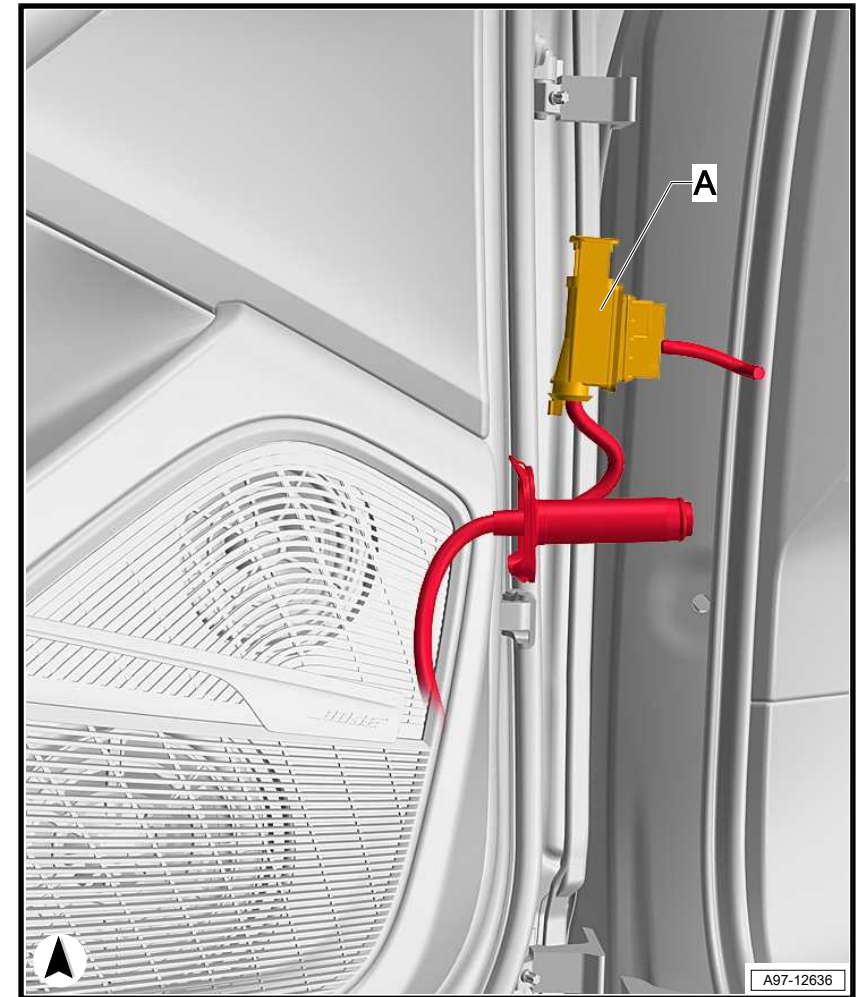
A - 5-Pin Connector -T5n- , black

A - 5-Pin Connector -T5nx- , black



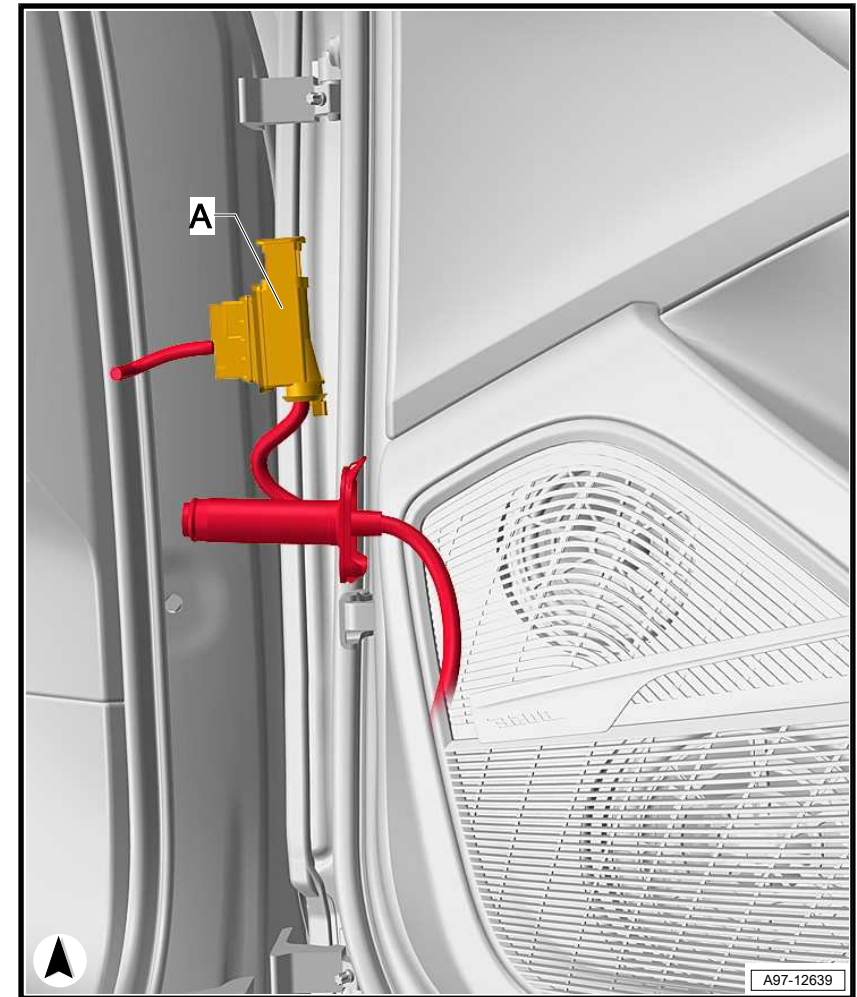
1.9 Connector station on rear left door -TTHL-

- A - 19-Pin Connector -T19a- , black
- A - 19-Pin Connector -T19ax- , black



1.10 Connector station on rear right door -TTHR-

- A - 19-Pin Connector -T19b- , black
- A - 19-Pin Connector -T19bx- , black



1.11 Connector station, on left lower A-pillar -TALU-



Note

- ◆ The illustration show the connectors for left-hand drive models.
- ◆ On right-hand drive models, the installation positions of the connections differ slightly.
- ◆ The designations and colours of the connectors are the same for left and right-hand drive models

A - 5-Pin Connector -T5bb- , blue

A - 5-Pin Connector -T5bbx- , blue

B - Double Connector -T2bf- , black

B - Double Connector -T2bf- , black, Fibre Optic Conductor

C - 17-Pin Connector -T17d- , green

C - 17-Pin Connector -T17dx- , green

D - 17-Pin Connector -T17a- , white

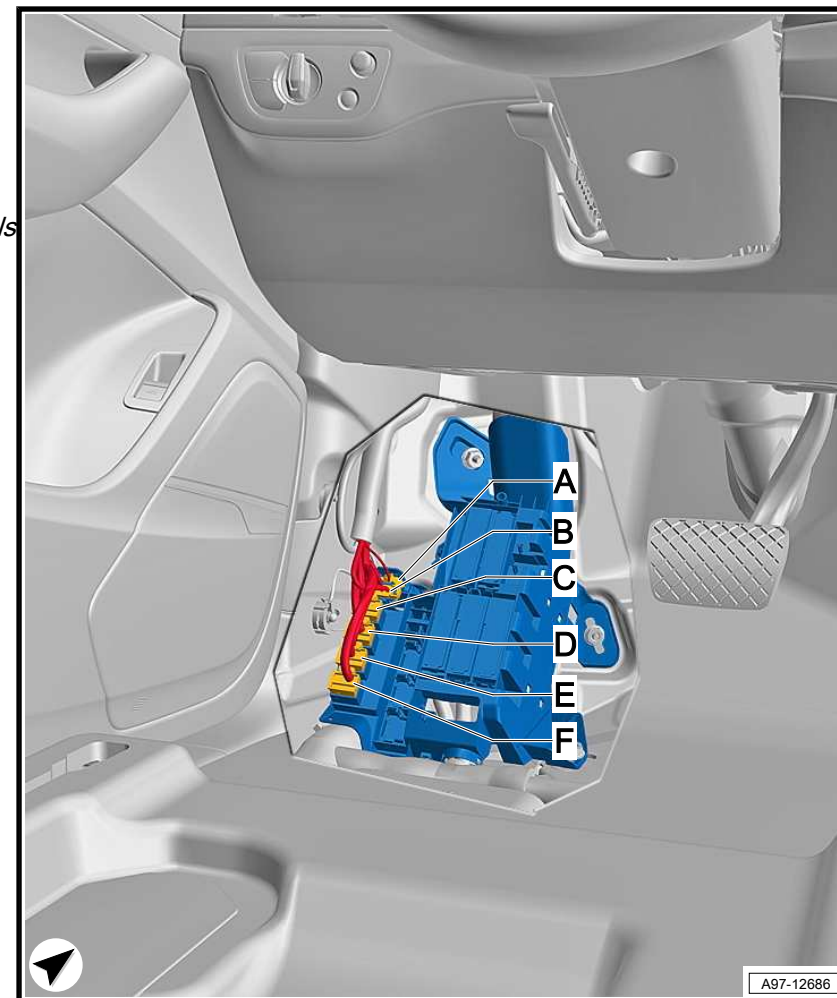
D - 17-Pin Connector -T17ax- , white

E - 17-Pin Connector -T17b- , red

E - 17-Pin Connector -T17bx- , red

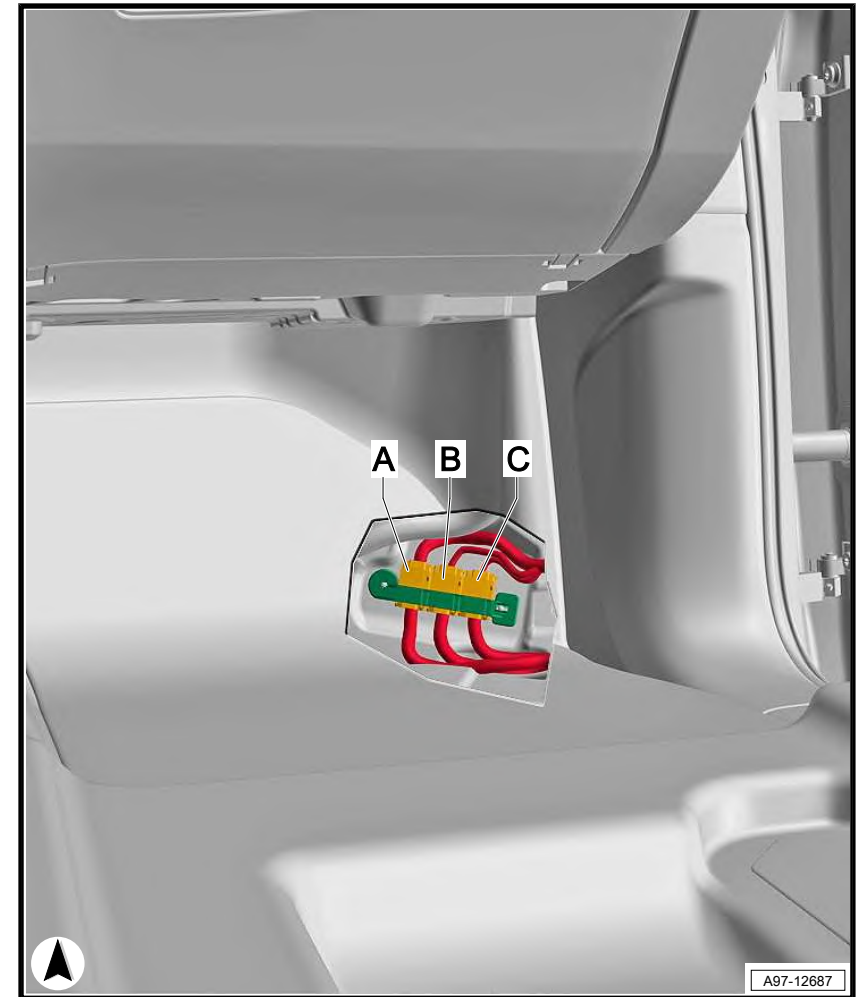
F - 17-Pin Connector -T17h- , blue

F - 17-Pin Connector -T17hx- , blue



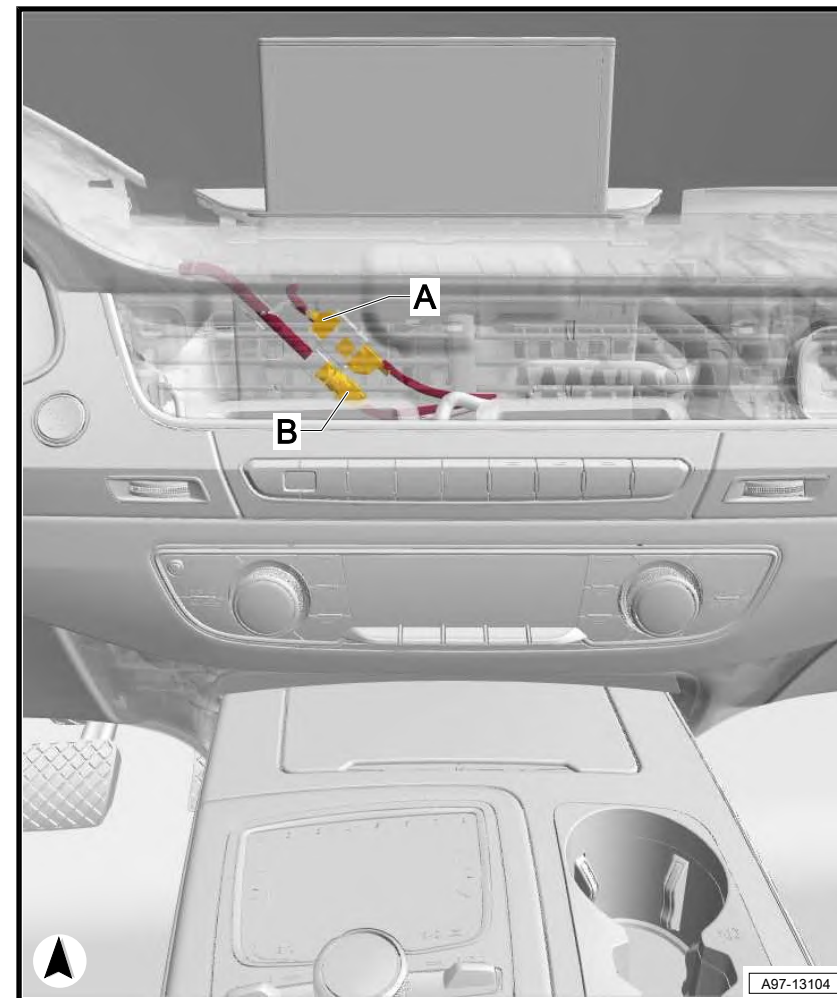
1.12 Connector station, on right lower A-pillar -TARU-

- A - 17-Pin Connector -T17m- , green
- A - 17-Pin Connector -T17mx- , green
- B - 17-Pin Connector -T17i- , blue
- B - 17-Pin Connector -T17ix- , blue
- C - 17-Pin Connector -T17n- , red
- C - 17-Pin Connector -T17nx- , red



1.13 Connector station on instrument panel, center -TCPM-

- A -
12-Pin Connector -T12a- , black
- A - 12-Pin Connector -T12ax- , black
- B - 4-Pin Connector -T4ff-



1.14 Connector station, in interior, centre -TIM-

- ◆ ⇒ [“1.14.1 Connector station, in interior, centre TIM , part I”, page 21](#)
- ◆ ⇒ [“1.14.2 Connector station, in interior, centre TIM , part II”, page 22](#)
- ◆ ⇒ [“1.14.3 Connector station, in interior, centre TIM , part III”, page 23](#)

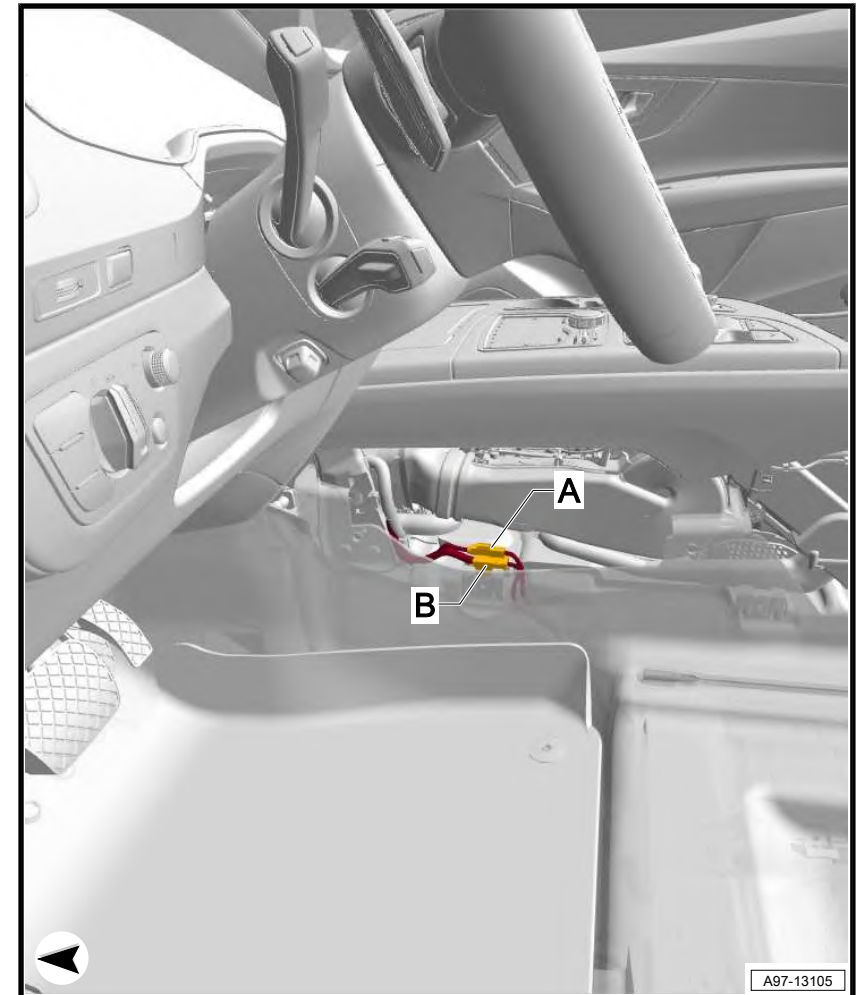
1.14.1 Connector station, in interior, centre -TIM- , part I

A - Double Connector -T2ip- , purple

A - Double Connector -T2ipx- , purple

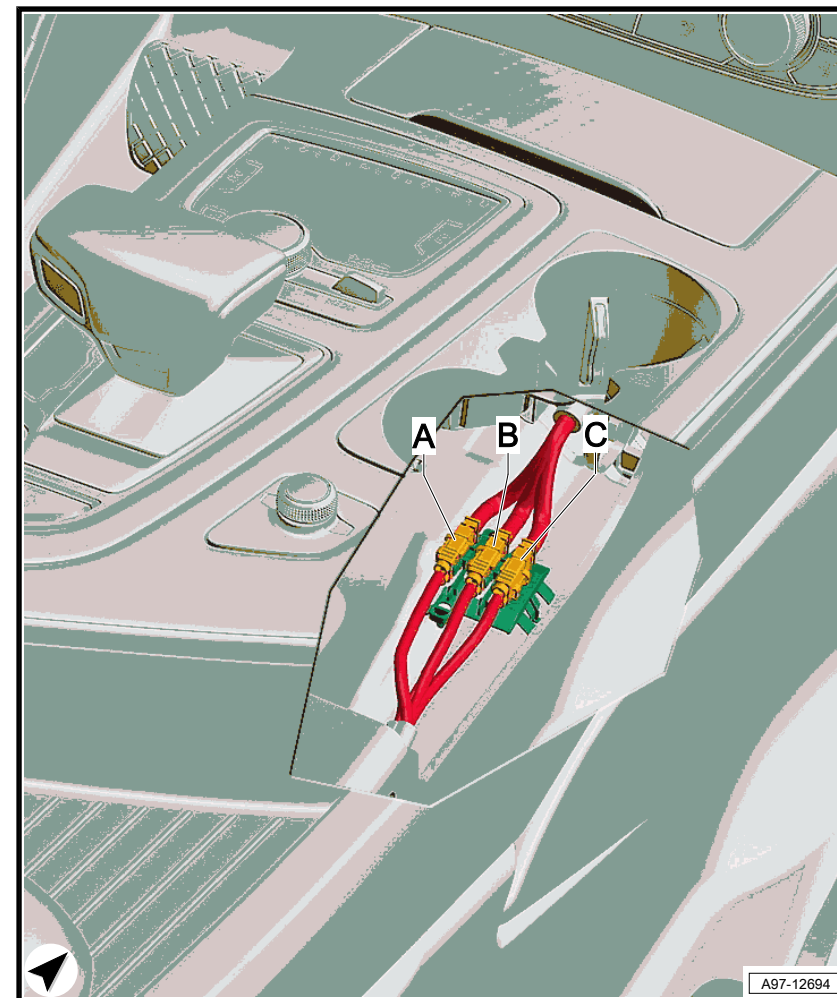
B - 16-Pin Connector -T16m- , black

B - 16-Pin Connector -T16mx- , black



1.14.2 Connector station, in interior, centre -TIM- , part II

- A - 4-Pin Connector -T4ew- , white
- A - 4-Pin Connector -T4ewx- , white
- B - 4-Pin Connector -T4es- , purple
- B - 4-Pin Connector -T4esx- , purple
- C - 4-Pin Connector -T4ei- , blue
- C - 4-Pin Connector -T4eix- , blue



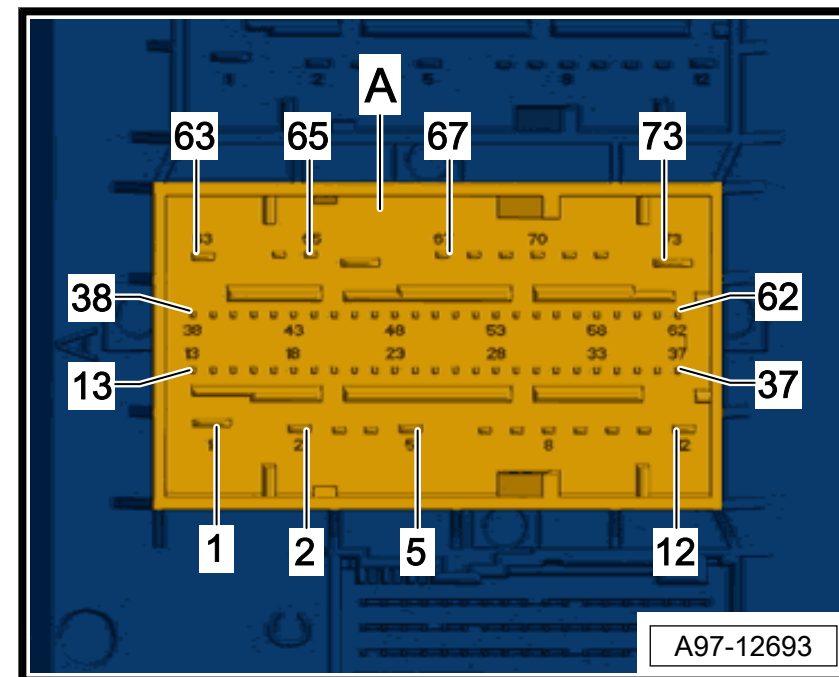
1.14.3 Connector station, in interior, centre -TIM- , part III

A - 6-Pin Connector -T6av- , black

A - 6-Pin Connector -T6avx- , black

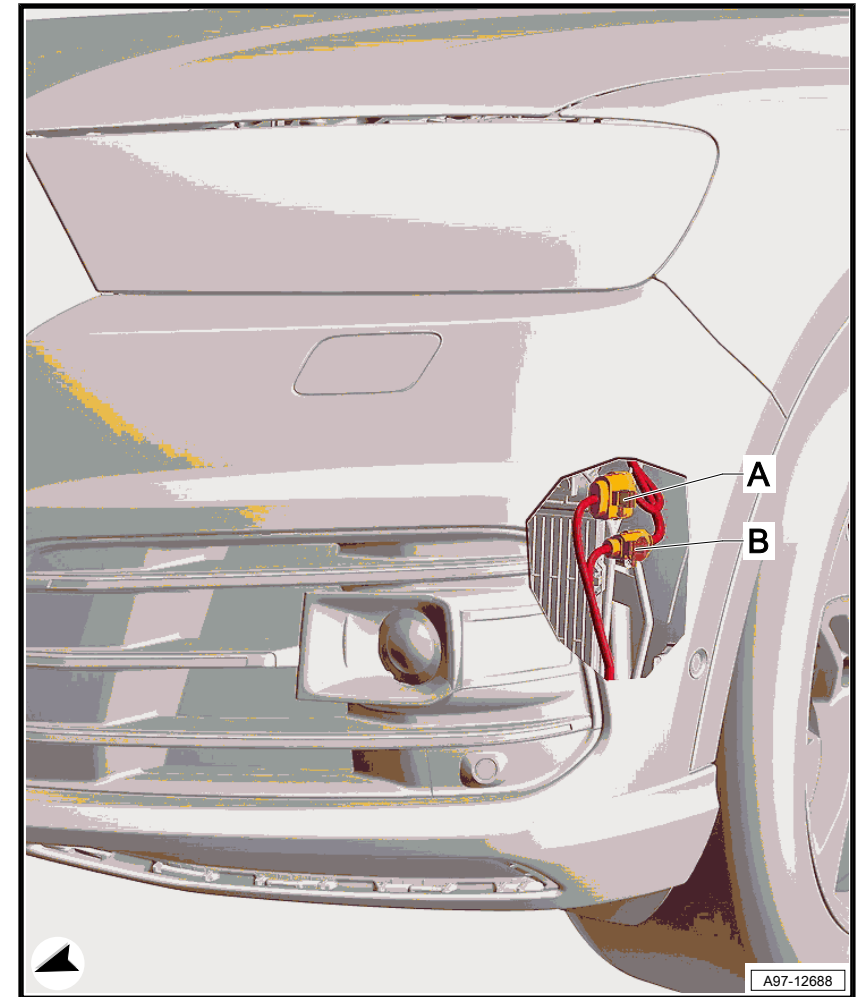
B - 10-Pin Connector -T10z- , black

B - 10-Pin Connector -T10zx- , black



1.15 Connector station, on front bumper left -TSFVL-

- A - 14-Pin Connector -T14b- , black
- 14-Pin Connector -T14bx- , black
- B - 6-Pin Connector -T6bs- , black
- 6-Pin Connector -T6bsx- , black



1.16 Connector station for left front seat -TSVL-

- A - 4-Pin Connector -T4ft- , black
- A - 4-Pin Connector -T4ftx- , black
- B - 10-Pin Connector -T10p- , black
- B - 10-Pin Connector -T10px- , black
- C - 3-Pin Connector -T3bg- , yellow
- C - 3-Pin Connector -T3bgx- , yellow
- D - 6-Pin Connector -T6bo- , green
- D - 6-Pin Connector -T6box- , green
- E - 17-Pin Connector -T17o- , red
- E - 17-Pin Connector -T17ox- , red



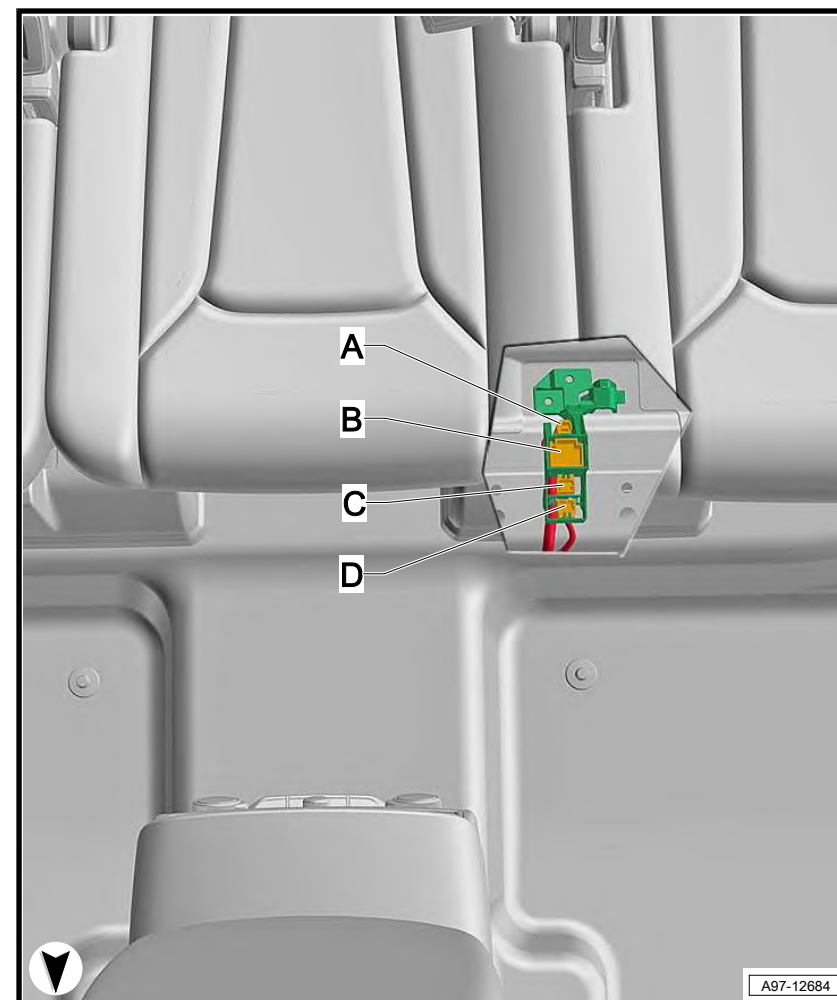
1.17 Connector Station for right front seat -TSVR-

- A - 6-Pin Connector -T6bp- , green
- A - 6-Pin Connector -T6bpx- , green
- B - 17-Pin Connector -T17k- , red
- B - 17-Pin Connector -T17kx- , red
- C - 3-Pin Connector -T3bh- , yellow
- C - 3-Pin Connector -T3bhx- , yellow
- D - 10-Pin Connector -T10o- , black
- D - 10-Pin Connector -T10ox- , black
- E - 4-Pin Connector -T4fu- , black
- E - 4-Pin Connector -T4fux- , black



1.18 Connector station rear left seat -TSHL-

- A - 3-Pin Connector -T3bc- , yellow
- A - 3-Pin Connector -T3bcx- , yellow
- B - 6-Pin Connector -T6as- , green
- B - 6-Pin Connector -T6asx- , green
- C - 4-Pin Connector -T4az- , black
- C - 4-Pin Connector -T4azx- , black
- D - 4-Pin Connector -T4ba- , brown
- D - 4-Pin Connector -T4bax- , brown



1.19 Connector Station for rear right seat -TSHR-

- A - 3-Pin Connector -T3bd- , yellow
- A - 3-Pin Connector -T3bdx- , yellow
- B - 6-Pin Connector -T6at- , green
- B - 6-Pin Connector -T6atx- , green
- C - 4-Pin Connector -T4ay- , black
- C - 4-Pin Connector -T4ayx- , black



1.20 Coupling point in luggage compartment, left -THRL-

- ◆ ⇒ [“1.20.1 All others”, page 29](#)
- ◆ ⇒ [“1.20.2 7-seat model \(5KL\)”, page 30](#)

1.20.1 All others

A - 16-Pin Connector -T16c- , brown/

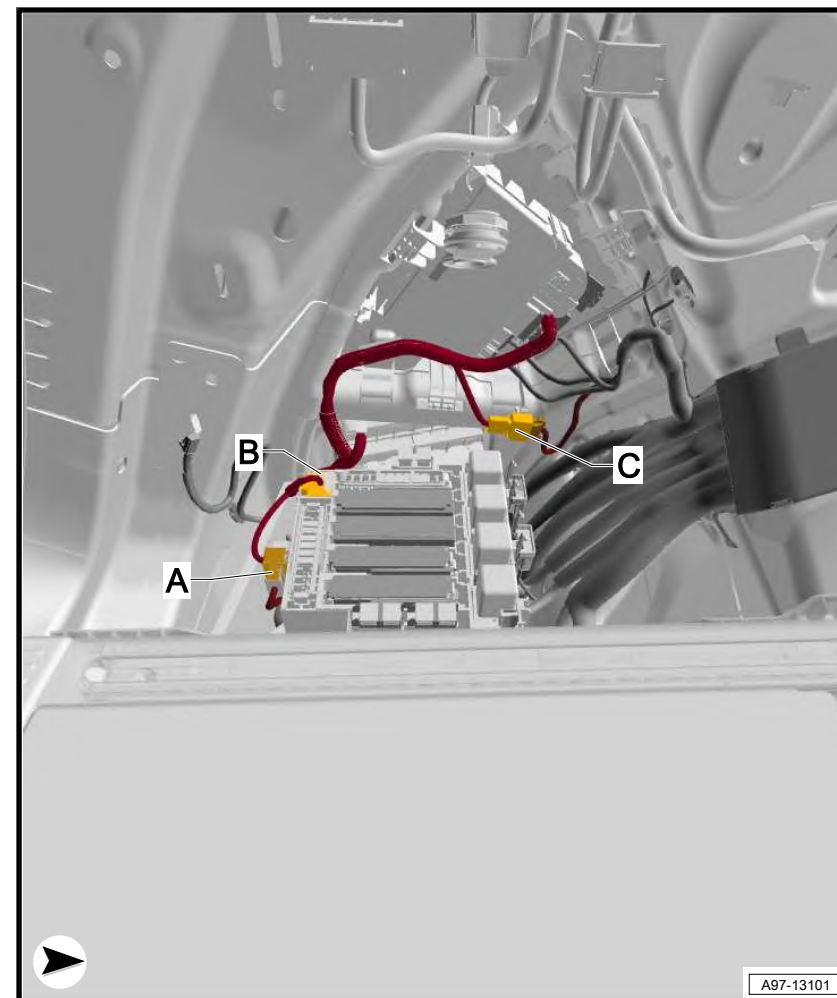
A - 16-Pin Connector -T16cx- , brown

B - 17-Pin Connector -T17l- , black

B - 17-Pin Connector -T17lx- , black

C - Double Connector -T2af- , black

C - Double Connector -T2afx- , black



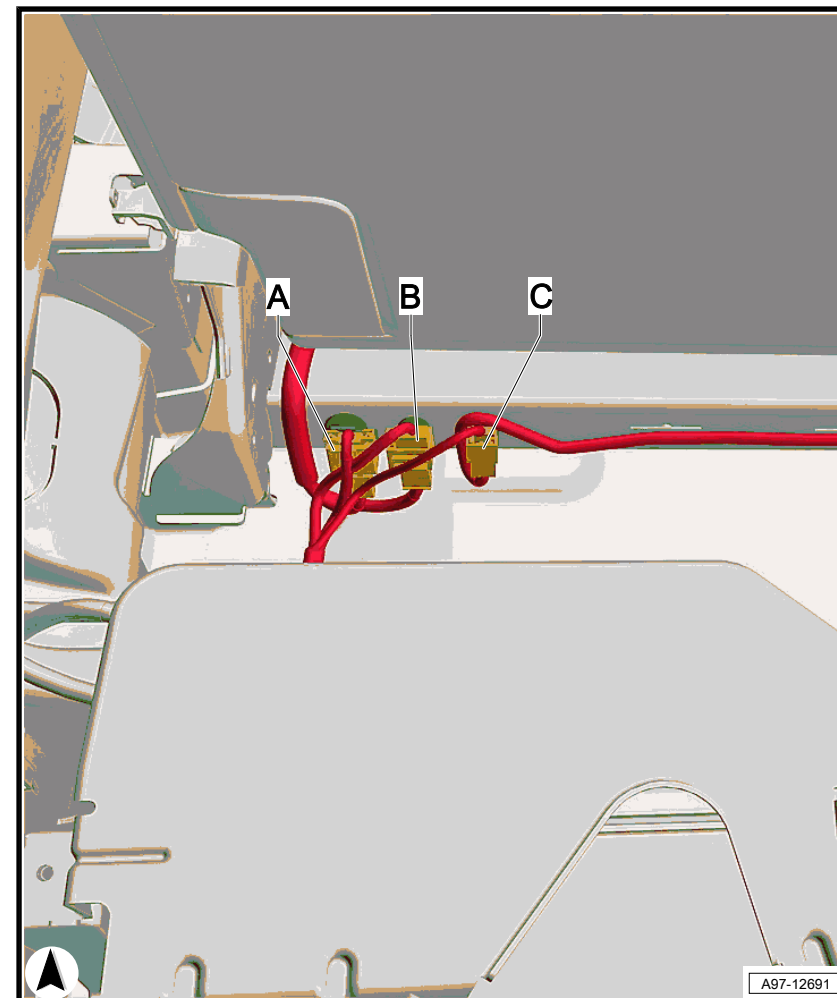
1.20.2 7-seat model (5KL)



Note

The illustrated connector stations are only installed in 7-seater models (5KL).

- A - Double Connector -T2mc- , white
- A - Double Connector -T2mcx- , white
- B - 10-Pin Connector -T10aa- , red
- B - 10-Pin Connector -T10aax- , red
- C - 4-Pin Connector -T4bb- , black
- C - 4-Pin Connector -T4bbx- , black



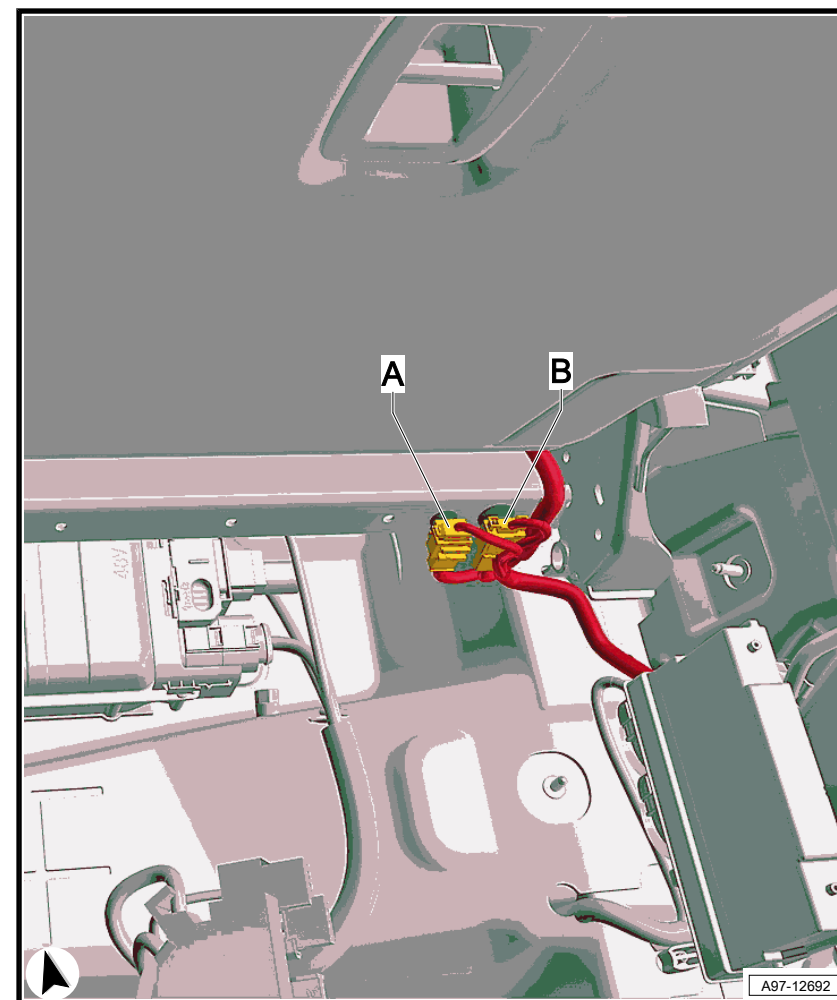
1.21 Connector station, in luggage compartment, right -THRR-



Note

The illustrated connector stations are only installed in 7-seater models (5KL).

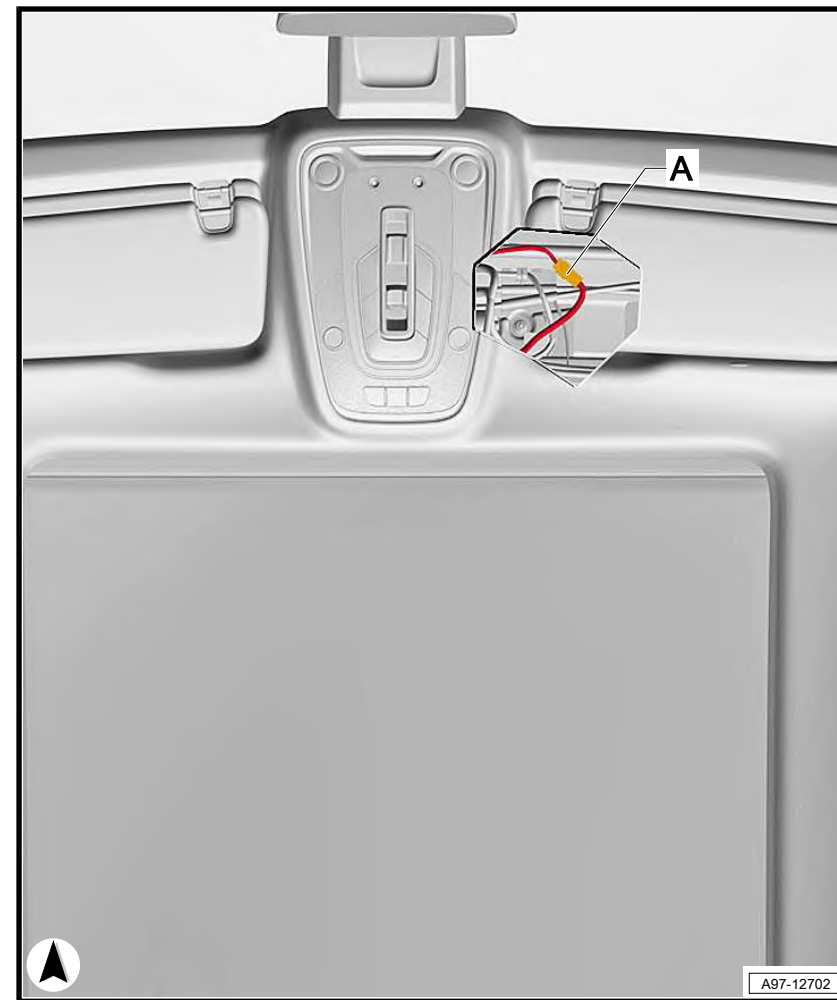
- A - 10-Pin Connector -T10ab- , black
- A - 10-Pin Connector -T10abx- , black
- B - Double Connector -T2mb- , black
- B - Double Connector -T2mbx- , black



1.22 Connector station on roof -TH-

A - 4-Pin Connector -T4fv- , brown

A - 4-Pin Connector -T4fvx- , brown

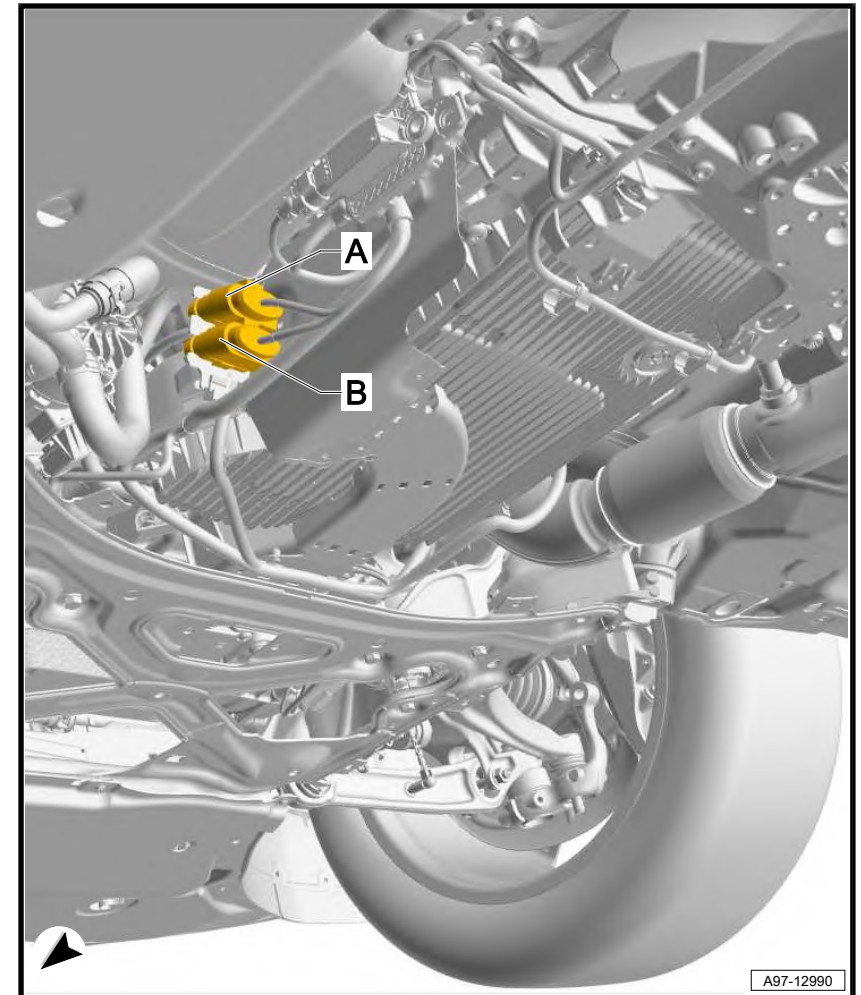


1.23 Automatic transmission connector station -TAG-

- ◆ ⇒ ["1.23.1 Vehicles W/ High-Voltage System \(0K3\)", page 33](#)
- ◆ ⇒ ["1.23.2 6 cyl. TFSI gas engine, CREC", page 34](#)
- ◆ ⇒ ["1.23.3 8 cyl. TDI engine, DCDB", page 35](#)

1.23.1 Vehicles W/ High-Voltage System (0K3)

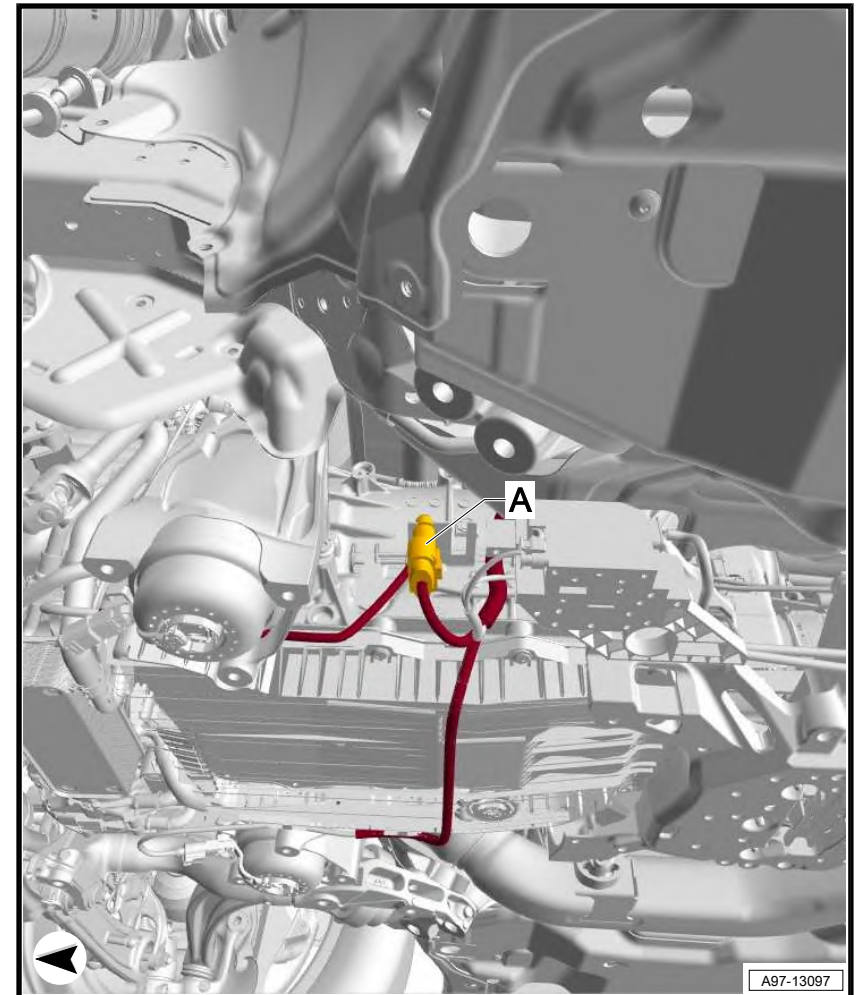
- A - 14-Pin Connector -T14p- , black
- A - 14-Pin Connector -T14px- , black
- B - 14-Pin Connector -T14q- , grey
- B - 14-Pin Connector -T1qx- , grey



1.23.2 6 cyl. TFSI gas engine, CREC

A - 6-Pin Connector -T6y- , black

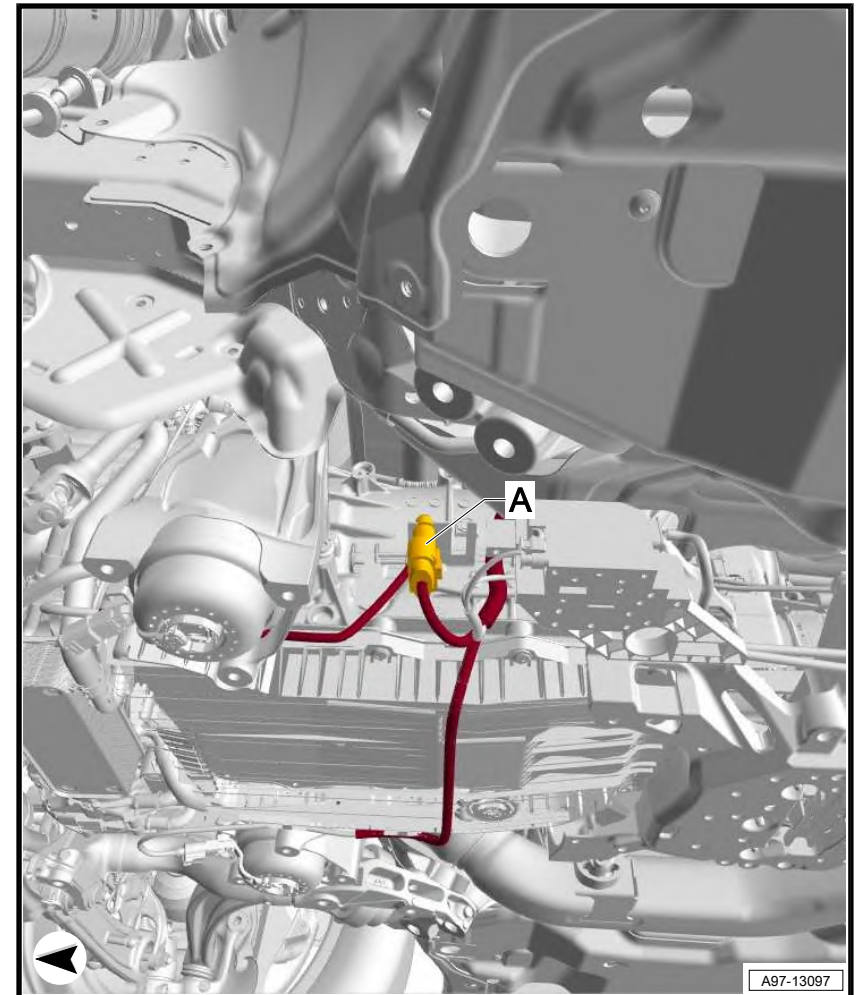
A - 6-Pin Connector -T6yx- , black



1.23.3 8 cyl. TDI engine, DCDB

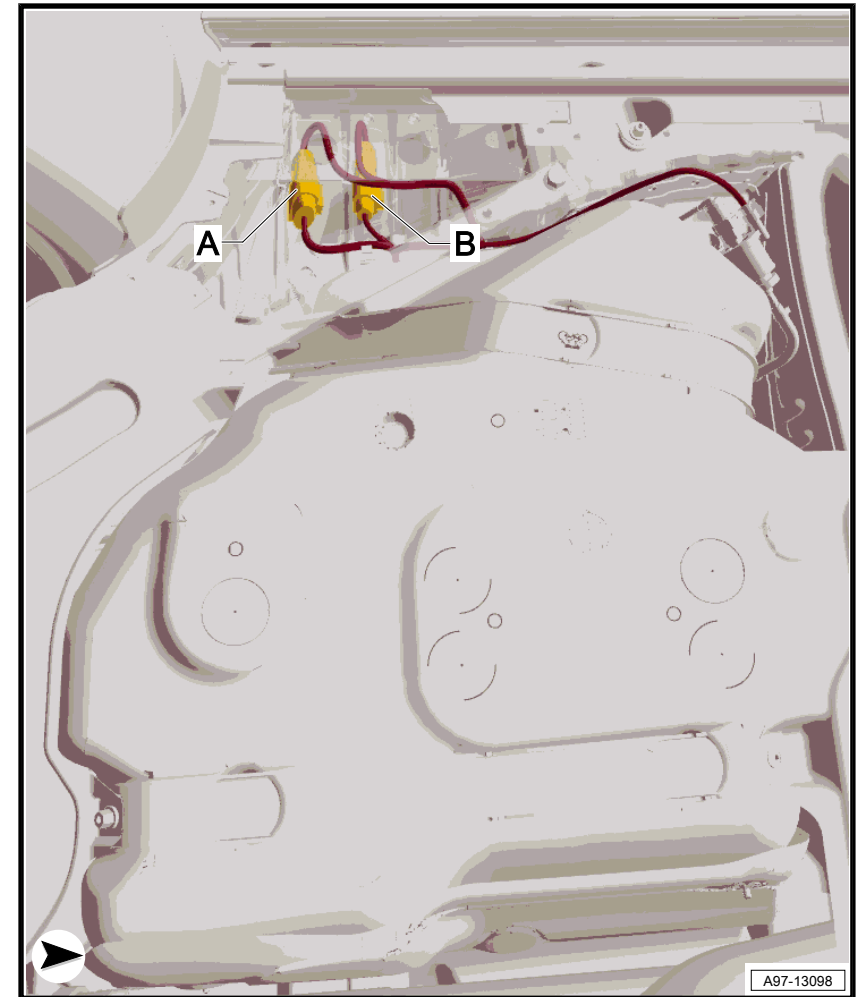
A - 14-Pin Connector -T14p- , black

A - 14-Pin Connector -T14px- , black



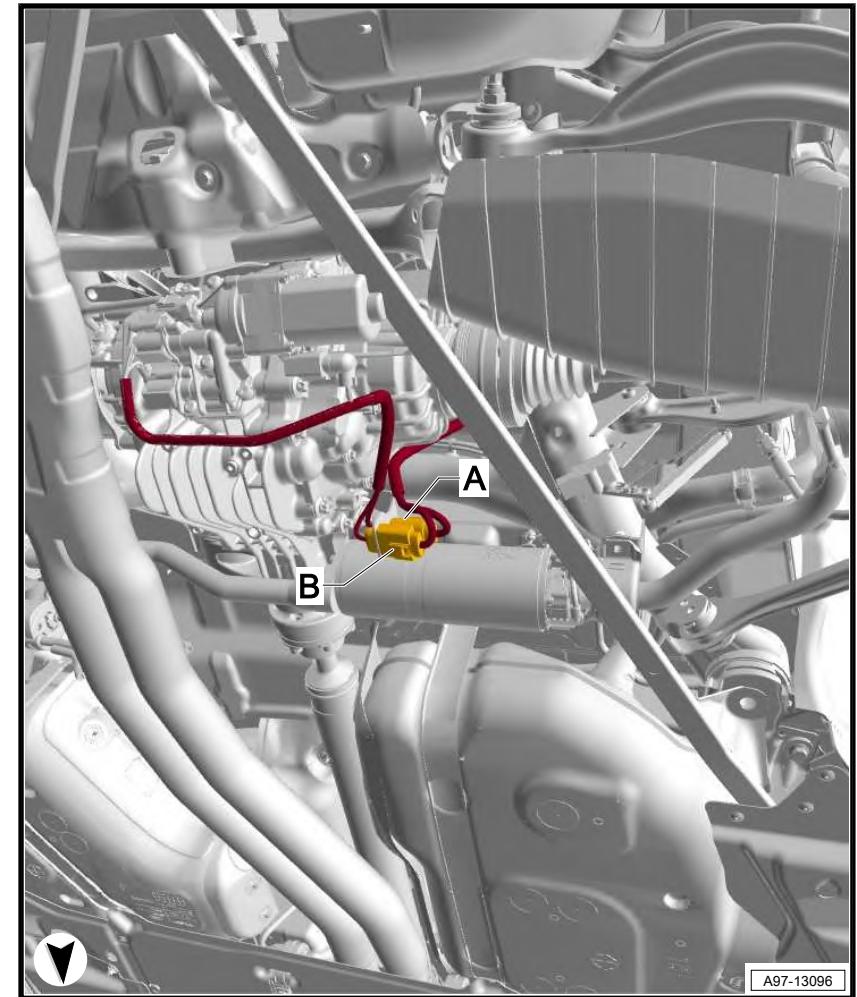
1.24 Fuel delivery unit coupling point -TKFE-

- A - Double Connector -T2lv- , black
- A - Double Connector -T2lvx- , black
- B - 14-Pin Connector -T14i- , black
- B - 14-Pin Connector -T14ix- , black



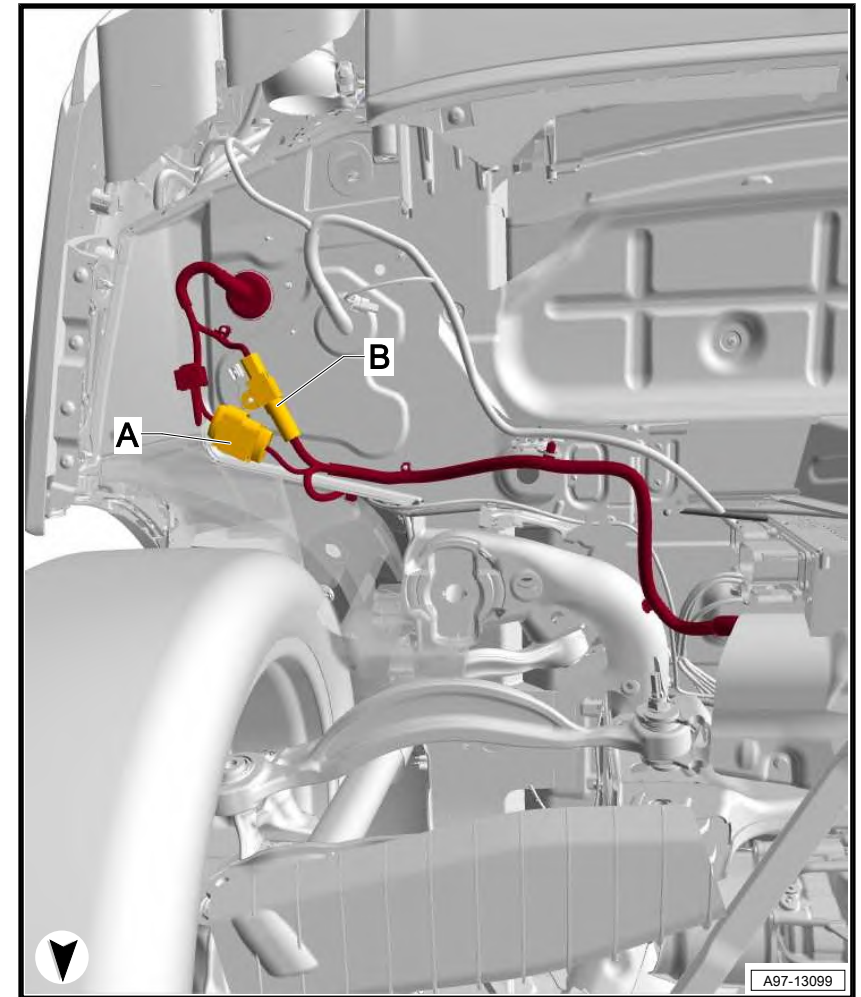
1.25 All-Wheel Drive connector station -TSAA-

- A - Double Connector -T2om- , black
- A - Double Connector -T2omx- , black
- B - 14-Pin Connector -T14s- , black
- B - 14-Pin Connector -T14sx- , black



1.26 Connector station on rear cross member, left -TAQL-

- A - 14-Pin Connector -T14c- , black
- A - 14-Pin Connector -T14cx- , black
- B - Single Connector -T1a- , black
- B - Single Connector -T1ax- , black



1 Comp. Loc. A/C

- ◆ ⇒ [“1.1 Outside Vehicle Overview”, page 1](#)
- ◆ ⇒ [“1.2 Passenger Compartment Overview”, page 3](#)
- ◆ ⇒ [“1.3 Rear A/C System Overview”, page 5](#)

1.1 Outside Vehicle Overview

- ◆ ⇒ [“1.1.1 Part I”, page 1](#)
- ◆ ⇒ [“1.1.2 Part II”, page 3](#)

1.1.1 Part I



1 - Coolant recirculation pump V50

- ☐ With TDI engine

2 - Recirculation pump -V55-

- ☐ Only with parking heater

3 - Auxiliary heater control module J364

- ☐ Equipped on some models

4 - Heater coolant shut-off valve -N279-

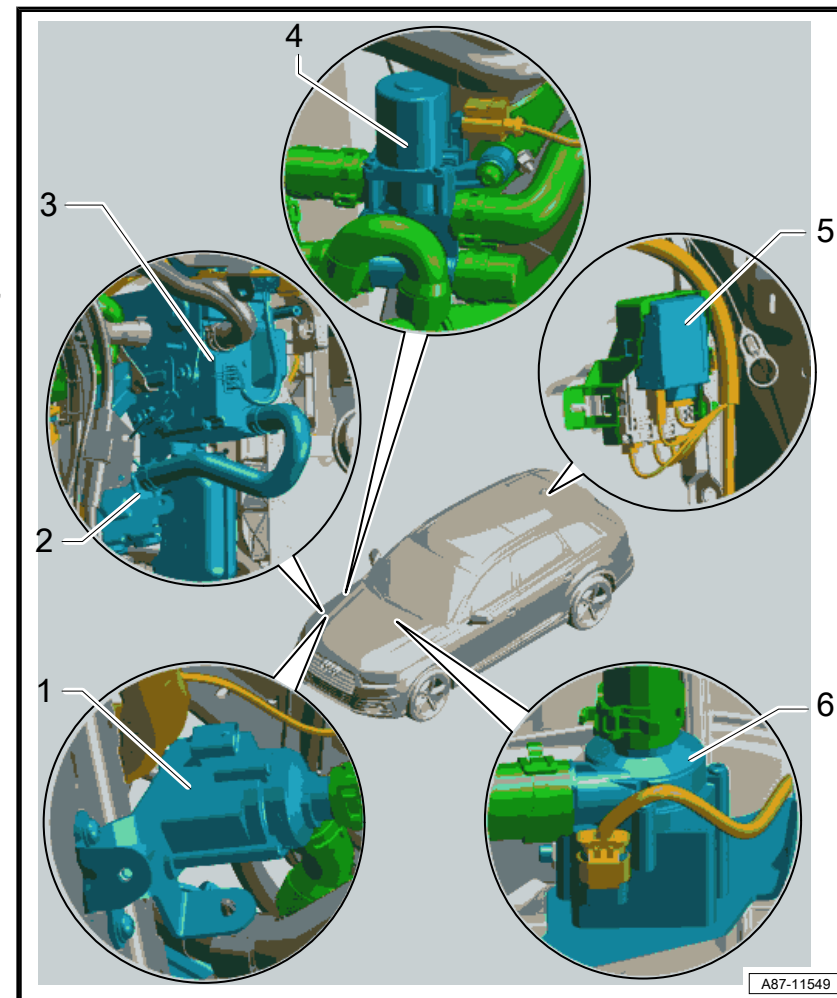
- ☐ The Heater Coolant Shut-Off Valve is currently only installed in vehicles with a "parking heater"

5 - Parking heater radio receiver -R64-

- ☐ Equipped on some models

6 - Coolant recirculation pump V50

- ☐ With gasoline engine



1.1.2 Part II

1 - High pressure sensor -G65-

2 - Outside air temperature sensor -G17-

3 - Windshield defogger control module J505

4 - Humidity sensor in fresh air intake duct -G657-

4 - Air quality sensor -G238-

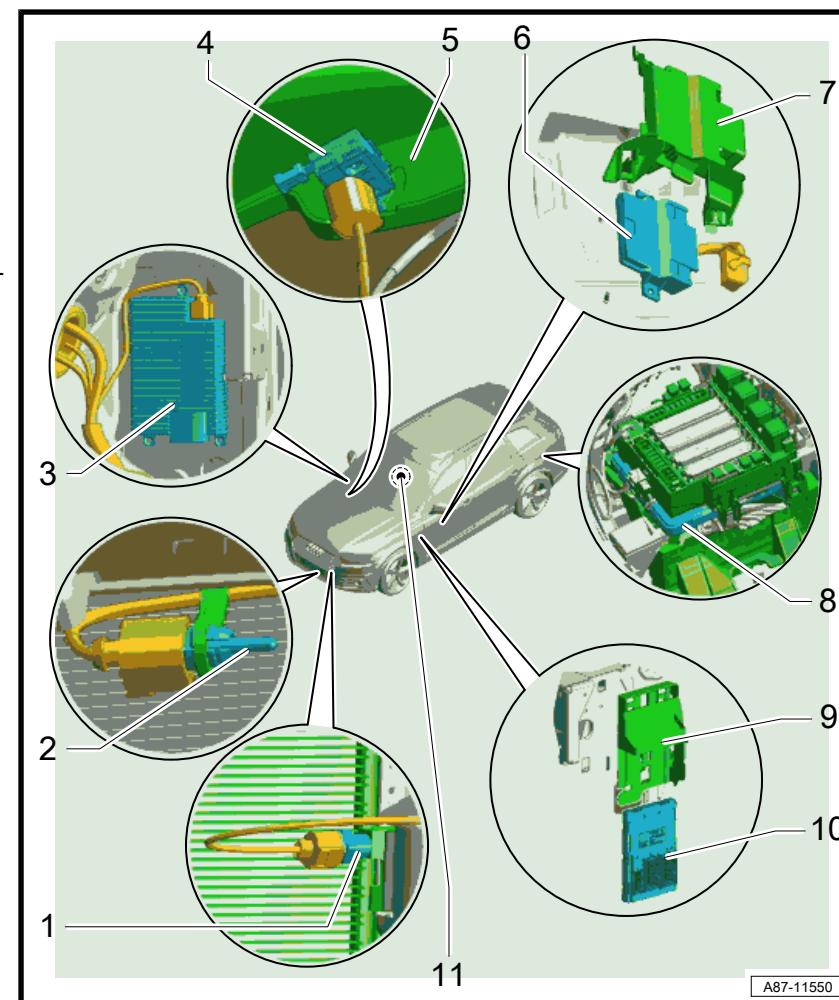
- ❑ On a vehicle with a "Low" or "Mid" A/C system no Air Quality Sensor -G238- is installed
- ❑ On a vehicle with a "Mix" or "High" A/C system the Air Quality Sensor and the Humidity Sensor in Fresh Air Intake Duct are combined in a single component.

6 - Data bus on board diagnostic interface J533

8 - Comfort system central control module J393

10 - Vehicle electrical control module system J519

11 - Windshield defogger -Z2-



1.2 Passenger Compartment Overview

- ◆ ⇒ ["1.2.1 Left Side", page 4](#)
- ◆ ⇒ ["1.2.2 Right Side", page 5](#)

1.2.1 Left Side

4 - Driver side ionizer -J1105-

- ☐ Not intended for all vehicles, only installed on specific vehicles with a "Mix" or "High" A/C system.

5 - Left front upper body vent temperature sensor -G385-

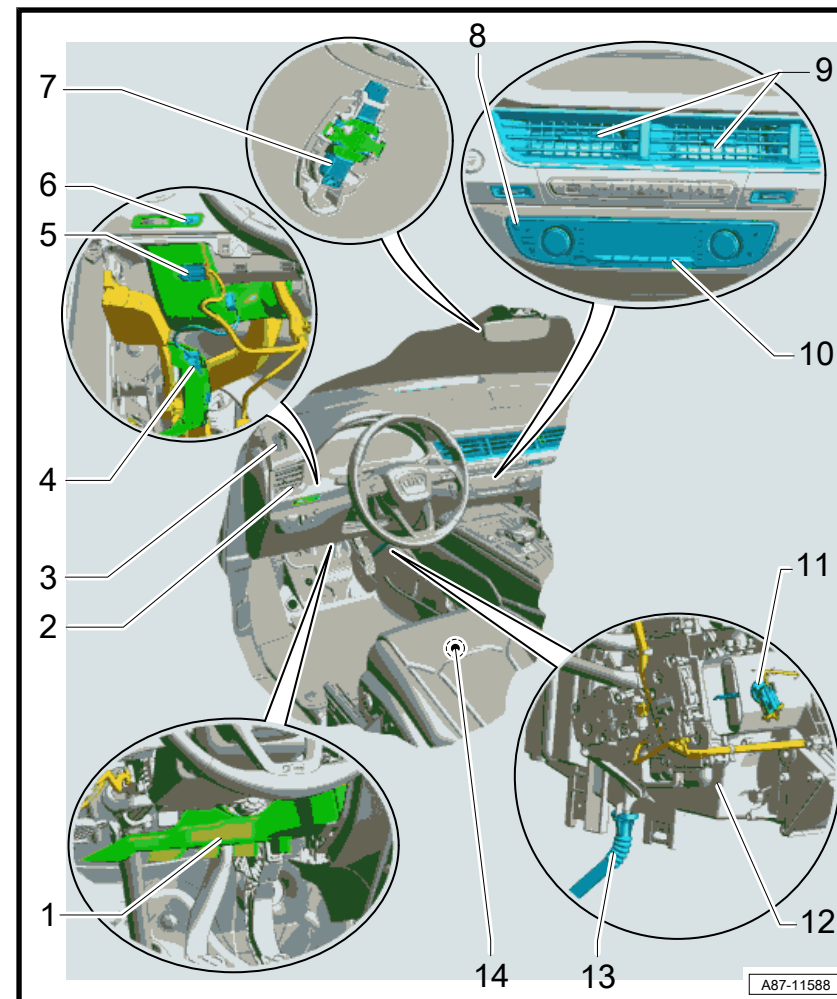
6 - Driver side ionizer button -E830-

- ☐ Installed in the left instrument panel vent trim

7 - Humidity sensor -G355-

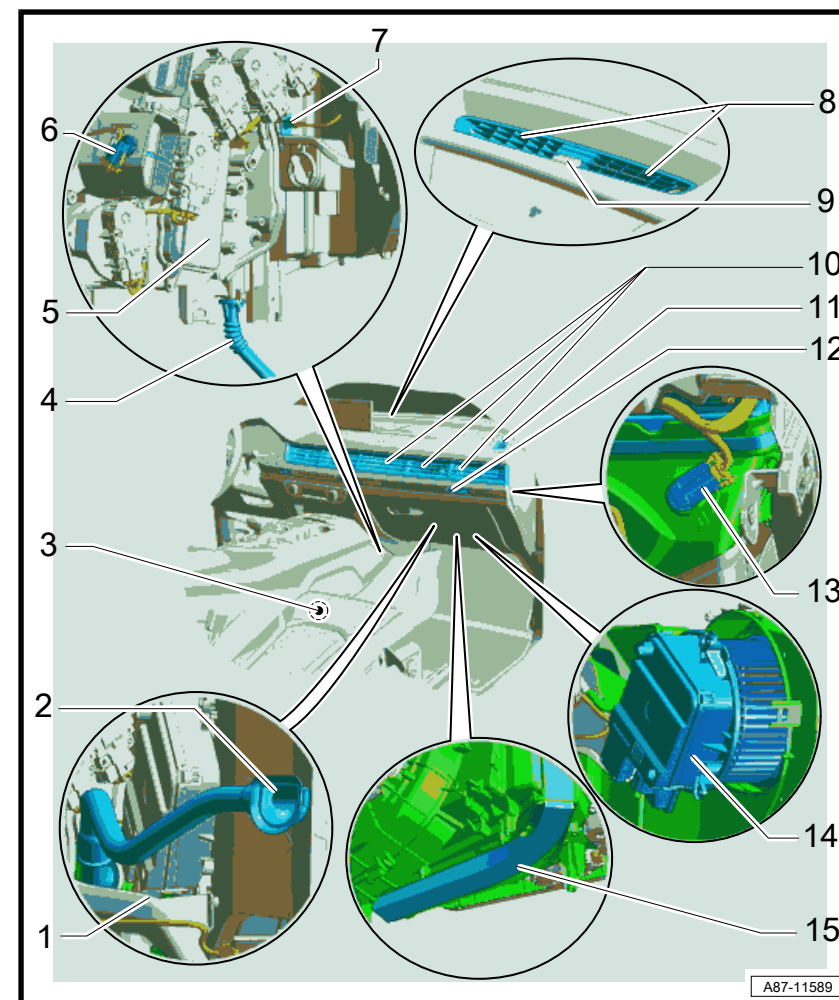
10 - Front A/C display control head -E87-

11 - Left footwell vent temperature sensor -G261-



1.2.2 Right Side

- 6 - Right footwell vent temperature sensor -G262-
- 7 - Evaporator vent temperature sensor -G263-
- 9 - Sunlight photo sensor -G107-
- 12 - Instrument panel vent button -E815-
- 13 - Right front upper body vent temperature sensor -G386-
- 14 - Fresh air blower -V2-
- 14 - Fresh air blower control module J126



1.3 Rear A/C System Overview

- ◆ ⇒ ["1.3.1 Left Side", page 6](#)
- ◆ ⇒ ["1.3.2 Right Side", page 7](#)

◆ ⇒ ["1.3.3 A/C Unit "Mid" or "Mix" A/C System ", page 8](#)

◆ ⇒ ["1.3.4 A/C Unit "High" A/C System ", page 9](#)

1.3.1 Left Side

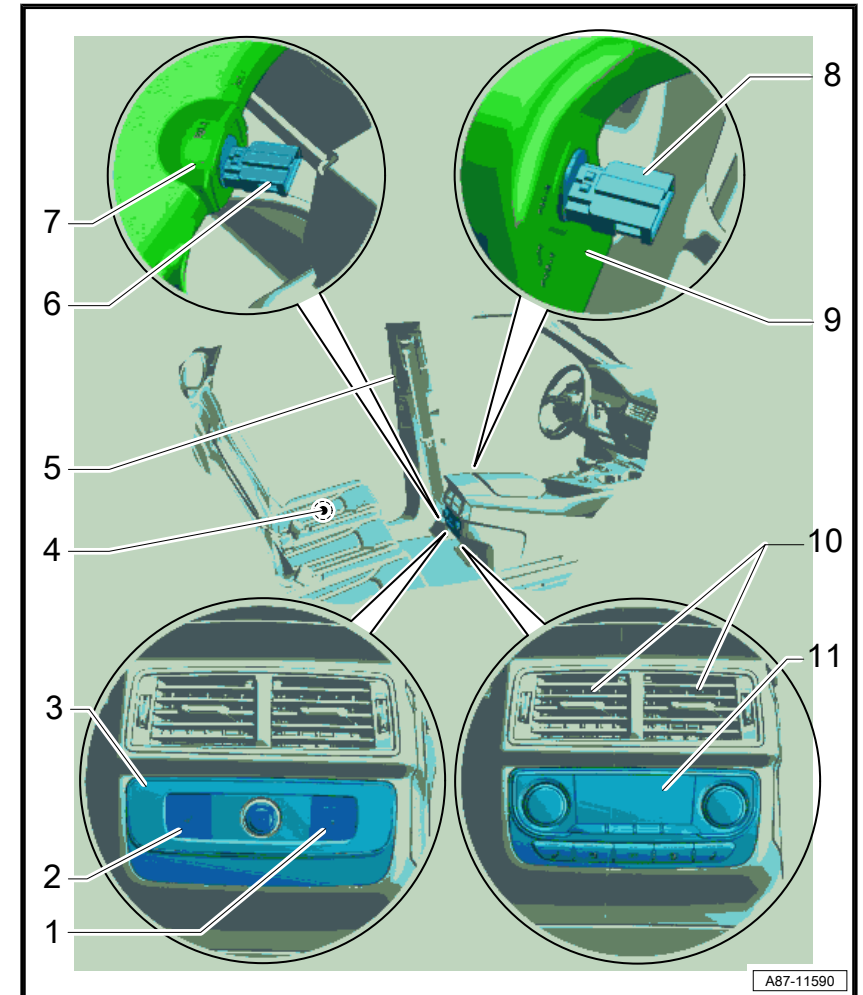
1 - Right seat heating button -E654-

2 - Left seat heating button -E653-

6 - Left rear upper body vent temperature sensor -G635-

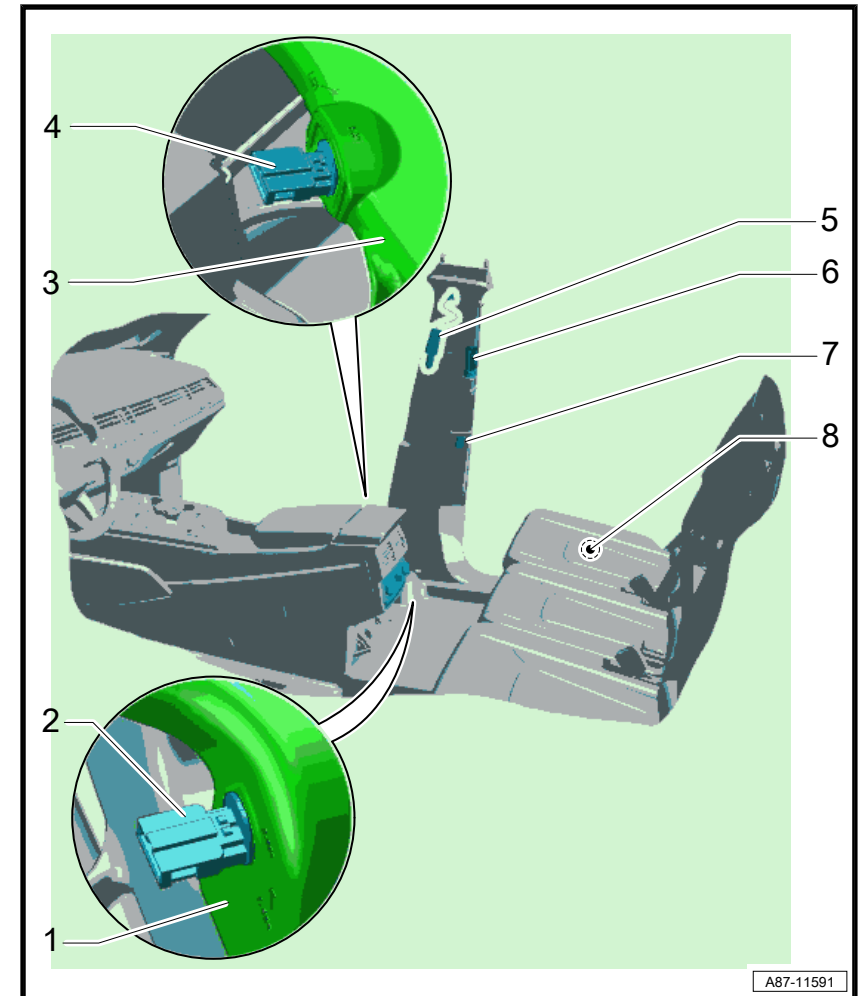
8 - Left rear footwell vent temperature sensor -G637-

11 - Rear A/C display control head -E265-

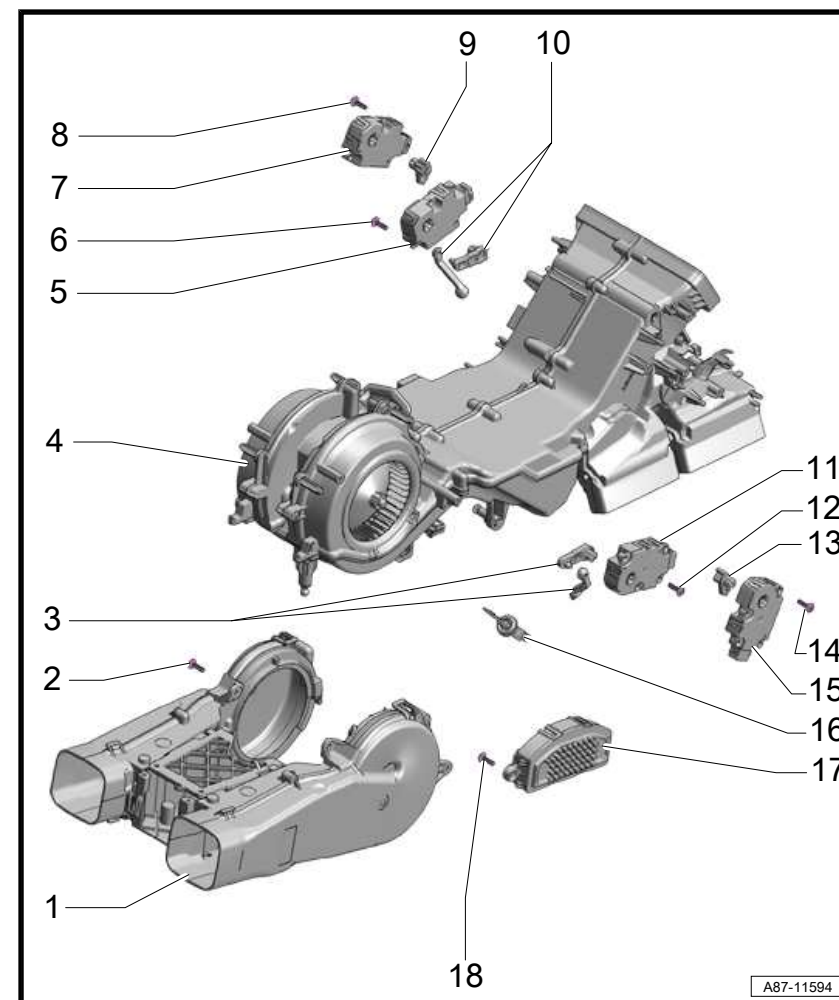


1.3.2 Right Side

- 2 - Right rear footwell vent temperature sensor -G638-
- 4 - Right rear upper body vent temperature sensor -G636-
- 5 - Front passenger side rear ionizer J1108
- 7 - Front passenger side rear ionizer button -E833-



- 4 - Rear fresh air blower -V80-
- 5 - Right B-pillar/footwell shut-off door motor -V211-
- 7 - Right rear upper body vent motor -V316-
- 11 - Left B-pillar/footwell shut-off door motor -V212-
- 15 - Left rear upper body vent motor -V315-
- 16 - Rear upper body vent temperature sensor -G537-
- 17 - Rear fresh air blower control module J391



1.3.4 A/C Unit "High" A/C System

4 - Rear recirculation door motor -V421-

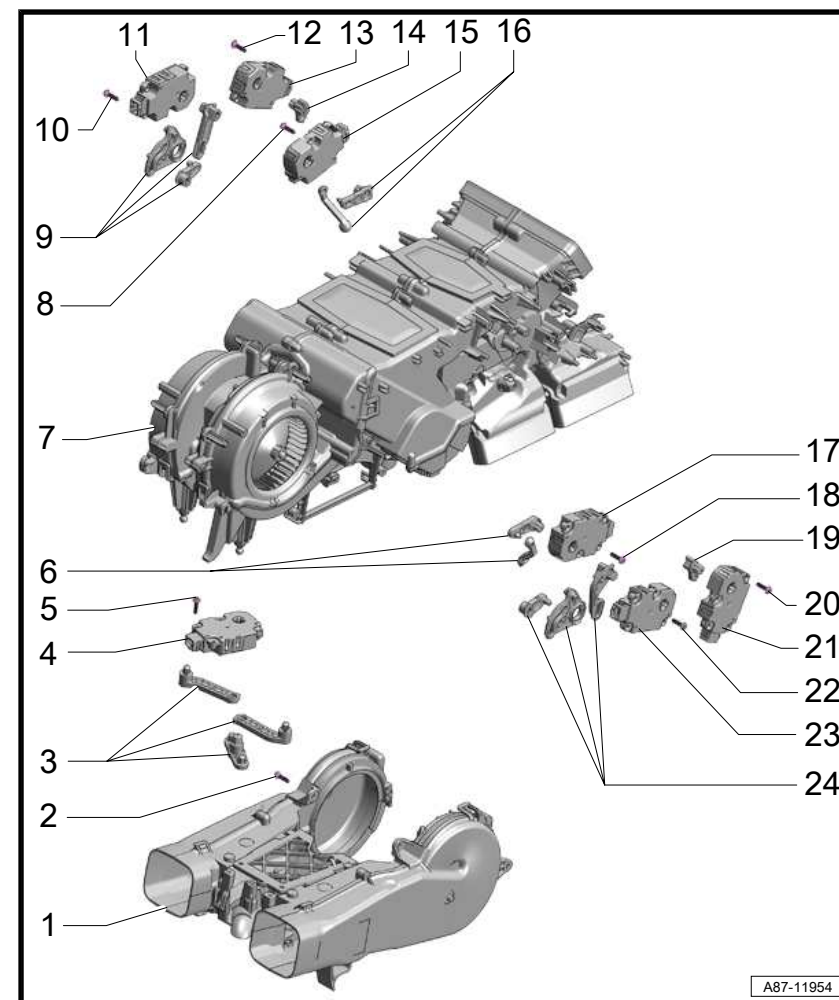
11 - Right rear upper body vent motor -V316-

15 - Right B-pillar/footwell shut-off door motor -V211-

17 - Left rear temperature control door motor -V313-

21 - Left rear upper body vent motor -V315-

23 - Left B-pillar/footwell shut-off door motor -V212-



1 Comp. Loc. ABS

1.1 ABS/ESP Overview

1 -
Right front ABS wheel speed sensor -G45-

1 -
Left front ABS wheel speed sensor -G47-

2 - ABS control module J104

2 -
ABS hydraulic unit -N55-

3 - Steering angle sensor G85

4 -
Vacuum sensor -G608-

□ For vehicles without high-voltage system

6 -
Electromechanical parking brake button -E538-

7 -
Roof rack recognition sensor -G625-

8 -
Left front brake pad wear sensor -G34-

8 -
Right front brake pad wear sensor -G35-

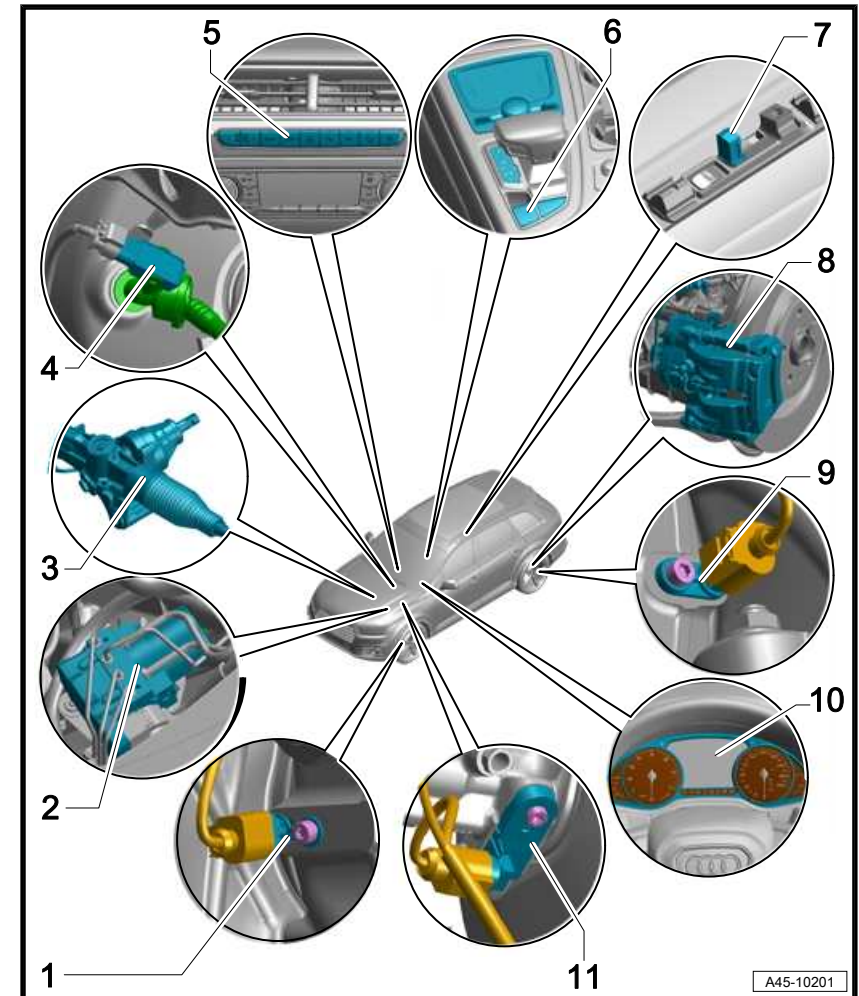
8 -
Left rear brake pad wear sensor -G36-

8 -
Right rear brake pad wear sensor -G37-

9 -
Right rear ABS wheel speed sensor -G44-

9 -
Left rear ABS wheel speed sensor -G46-

11 -
Brake lamp switch -F-



1 Comp. Loc. Keyless

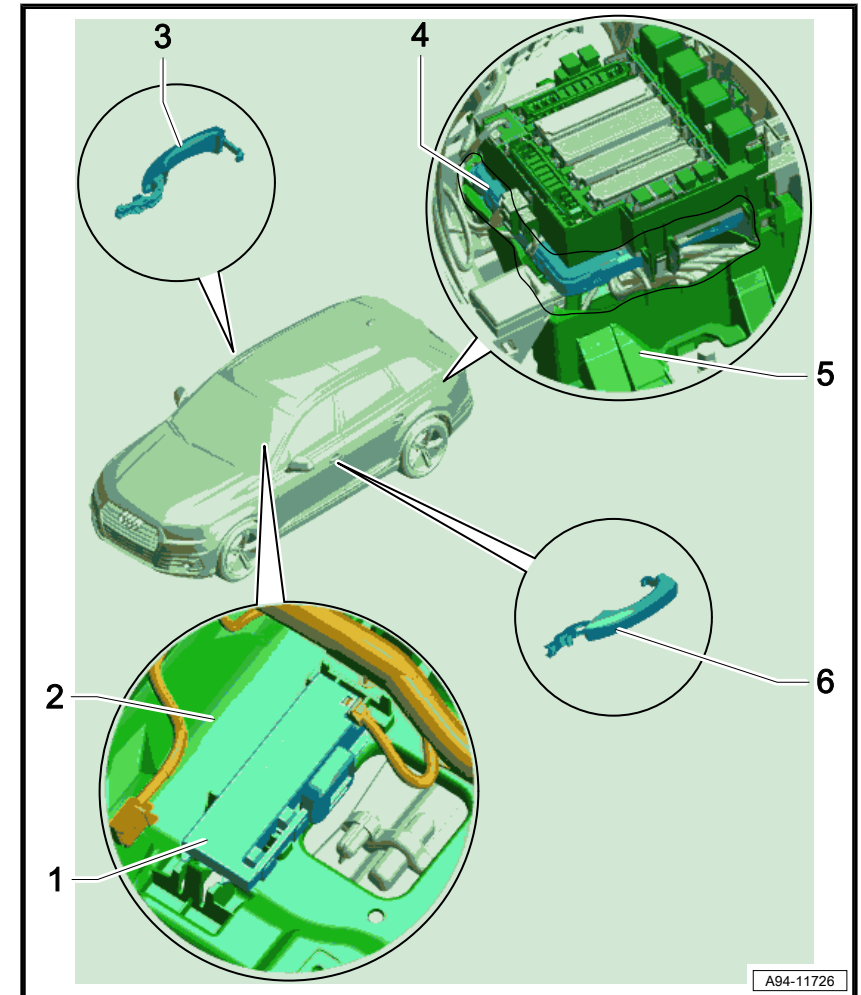
1.1 Keyless Entry

◆ ⇒ ["1.1.1 Front", page 1](#)

◆ ⇒ ["1.1.2 Rear", page 3](#)

1.1.1 Front

- 1 - Access/start system antenna 1 in vehicle interior -R138-
- 3 - Right front exterior door handle touch sensor -G606-
- 4 - Comfort system central control module J393
- 6 - Left front exterior door handle touch sensor -G605-



1.1.2 Rear

2 - Comfort system central control module J393

4 - Left access/start authorization antenna -R200-

□ Behind rear door trim panel.

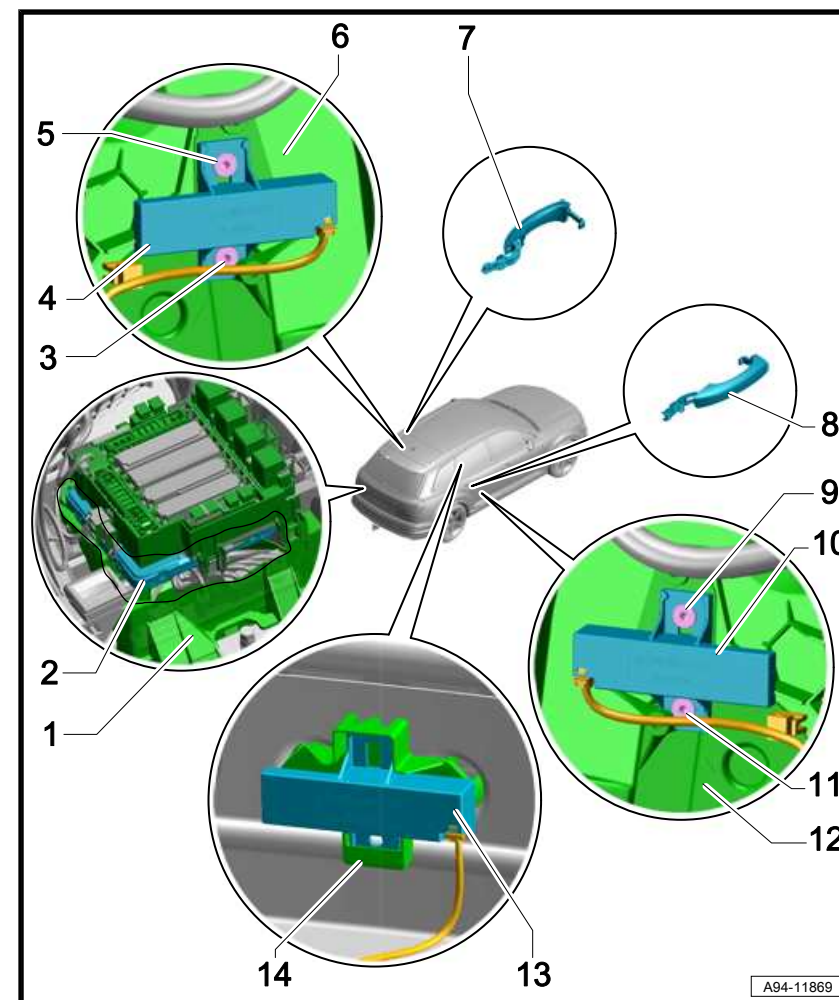
7 - Left rear exterior door handle touch sensor -G417-

8 - Right rear exterior door handle touch sensor -G418-

10 - Right access/start authorization antenna -R201-

□ Behind rear door trim panel.

13 - Access/start system antenna in luggage compartment -R137-

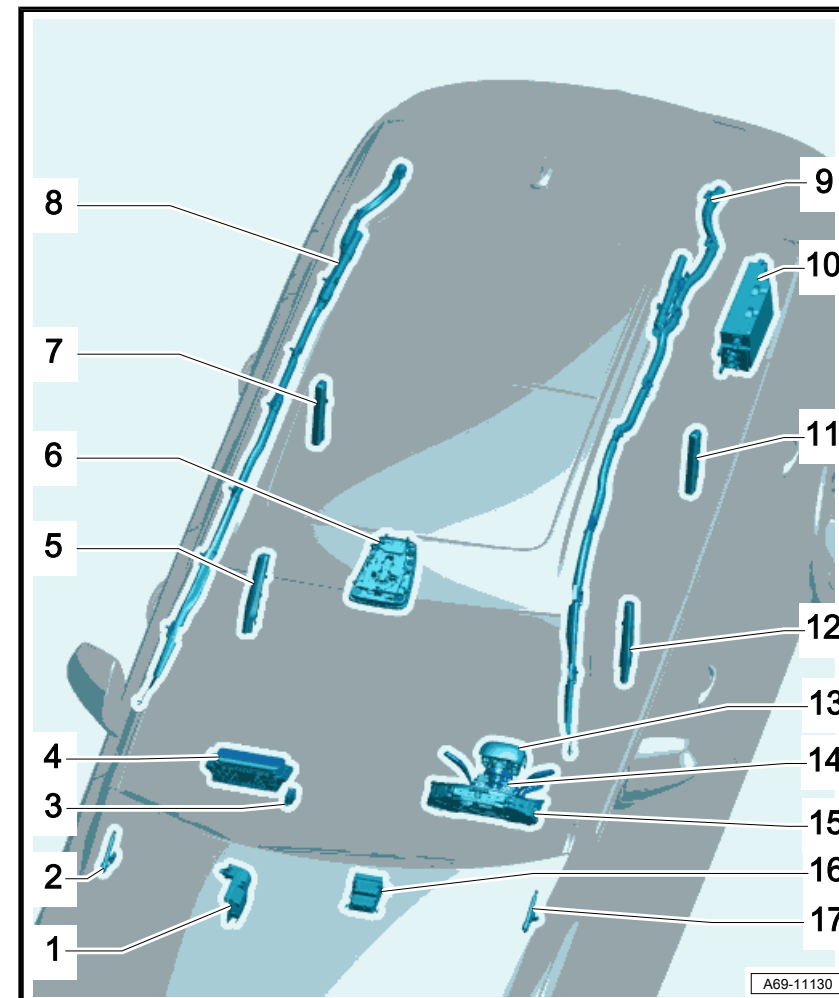


1 Comp. Loc.Airbag

- ◆ ⇒ [“1.1 Airbag ”, page 1](#)
- ◆ ⇒ [“1.2 Crash Sensors ”, page 2](#)
- ◆ ⇒ [“1.3 Passive Occupant Detection ”, page 4](#)
- ◆ ⇒ [“1.4 Belt Tensioner ”, page 5](#)
- ◆ ⇒ [“1.5 Pedestrian Protection ”, page 5](#)

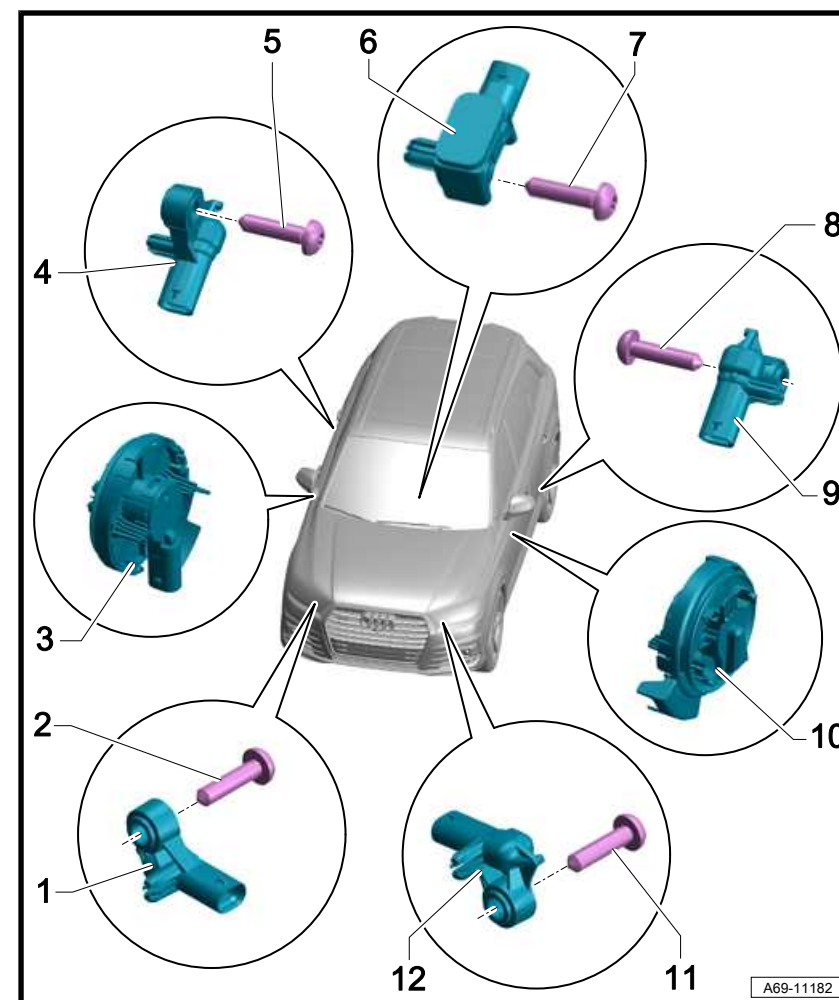
1.1 Airbag

- 1 - Battery interrupt igniter -N253-
- 2 - Pedestrian protection trigger 2 -G599
 - If equipped
- 3 - Front passenger airbag deactivation key switch -E224-
- 4 - Front passenger airbag igniter 1 -N131-
- 4 - Front passenger airbag igniter 2 -N132-
- 4 - Front passenger airbag release valve igniter -N491-
- 5 - Front passenger thorax airbag igniter -N200-
- 6 - Front roof module -WX3-
- 7 - Passenger side rear thorax airbag igniter -N202-
- 8 - Front passenger head curtain airbag igniter -N252-
- 9 - Driver head curtain airbag igniter -N251-
- 10 - High voltage battery interrupt igniter -N563-
- 11 - Driver side rear thorax airbag igniter -N201-
- 12 - Driver thorax airbag igniter -N199-
- 13 - Driver airbag igniter -N95-
- 13 - Driver airbag release valve igniter -N490-
- 14 - Airbag spiral spring/return spring with slip ring -F138-
- 16 - Airbag control module J234
- 17 - Pedestrian protection trigger 1 -G598



1.2 Crash Sensors

- 1 - Passenger side front airbag crash sensor -G284-
- 3 - Front passenger side airbag crash sensor -G180-
- 4 - Passenger side rear side airbag crash sensor -G257-
- 6 - Center crash sensor for X/Y axis -G858-
- 9 - Driver side rear side airbag crash sensor -G256-
- 10 - Driver side airbag crash sensor -G179-
- 12 - Driver front airbag crash sensor -G283-



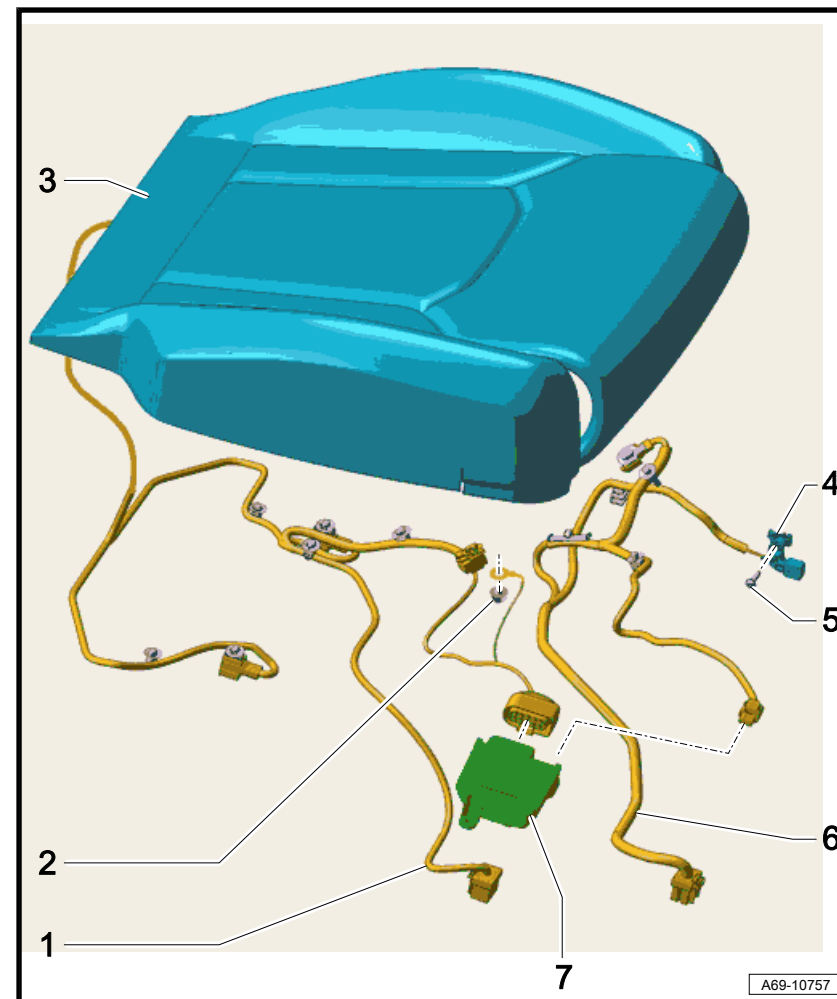
1.3 Passive Occupant Detection

3 - Front passenger occupant detection sensor G128

4 - Front passenger seat position sensor G554

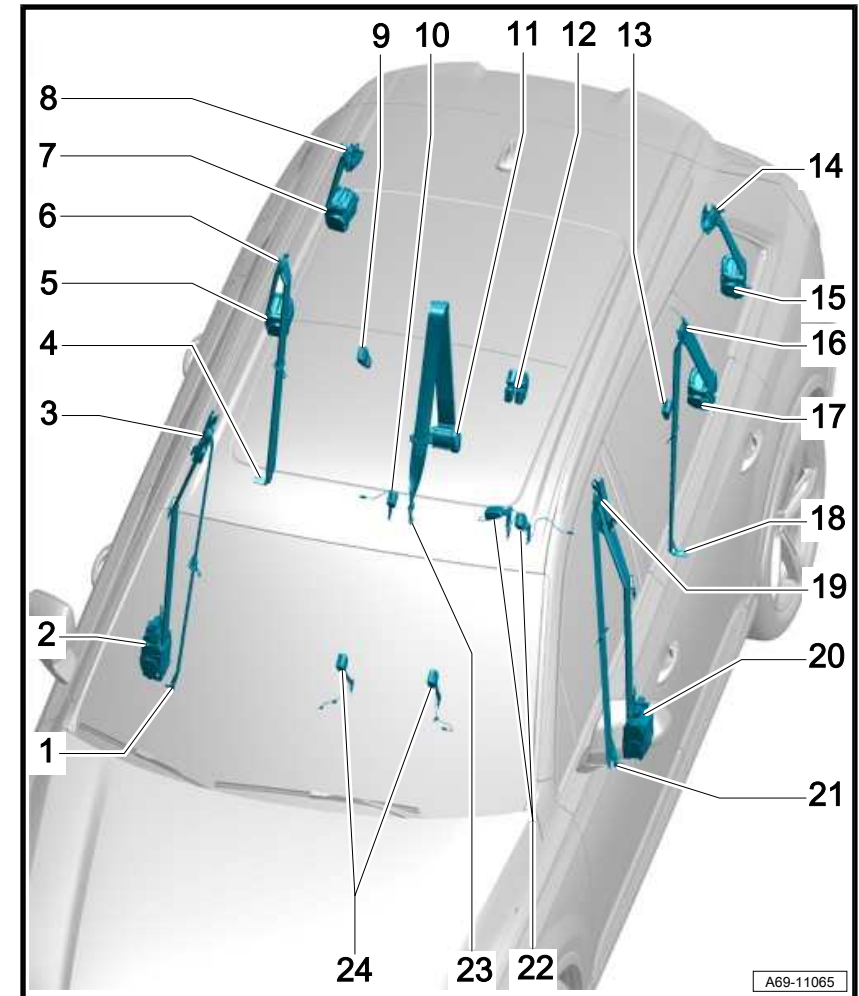
4 - Driver seat position sensor G553

7 - Passenger occupant detection system control module J706



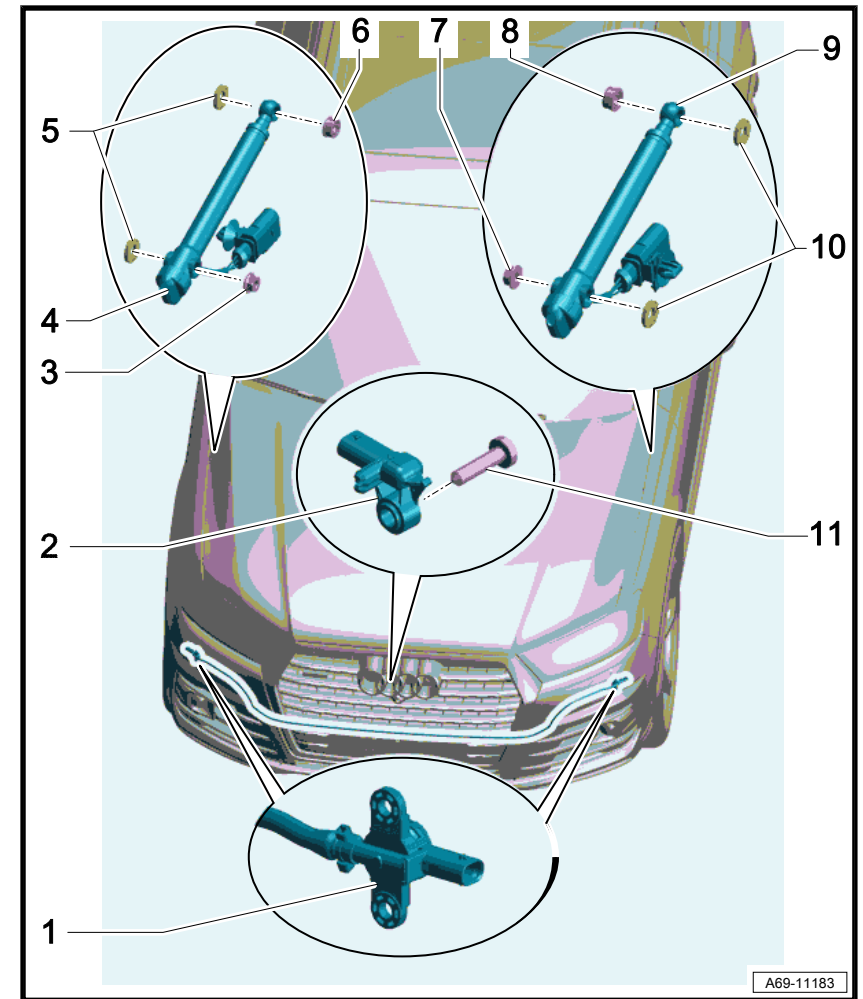
1.4 Belt Tensioner

- 2 - Front passenger seat belt tensioner igniter 1 -N154-
- 2 - Front passenger belt force limiter -G552-
- 2 - Right front seat belt tensioner control module J855
- 2 - Front passenger seat belt tensioner igniter 2 -N298-
- 5 - Passenger side rear seat belt tensioner igniter -N197-
- 7 - Front passenger side third row seat belt tensioner igniter -N669-
☐ If equipped
- 15 - Driver side third row seat belt tensioner igniter -N668-
☐ If equipped
- 17 - Driver side rear seat belt tensioner igniter -N196-
- 20 - Driver seat belt tensioner igniter 1 -N153-
- 20 - Driver belt force limiter -G551-
- 20 - Left front seat belt tensioner control module J854
- 20 - Driver seat belt tensioner igniter 2 -N297-



1.5 Pedestrian Protection

- 1 - Driver side pedestrian protection crash sensor 2 -G851-
- 1 - Front passenger side pedestrian protection crash sensor 2 -G852-
- 2 - Pedestrian protection center crash sensor -G693-
- 4 - Pedestrian protection trigger 1 -G598-
- 9 - Pedestrian protection trigger 2 -G599-



1 Comp. Loc. Camera

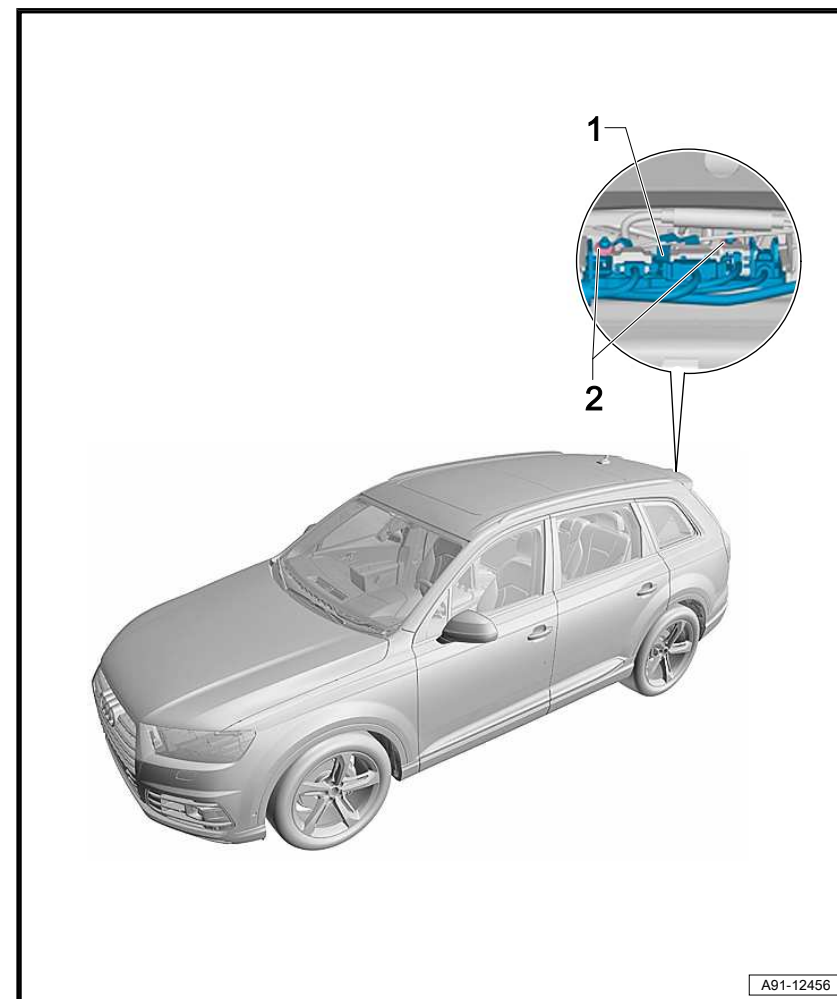
◆ ⇒ ["1.1 Rear Camera", page 1](#)

◆ ⇒ ["1.2 Peripheral Camera", page 1](#)

1.1 Rear Camera

1 - Rearview camera -R189-

1 - Rearview camera system control module J772



1.2 Peripheral Camera

1 - Right peripheral camera -R245-

1 - Left peripheral camera -R244- , similar

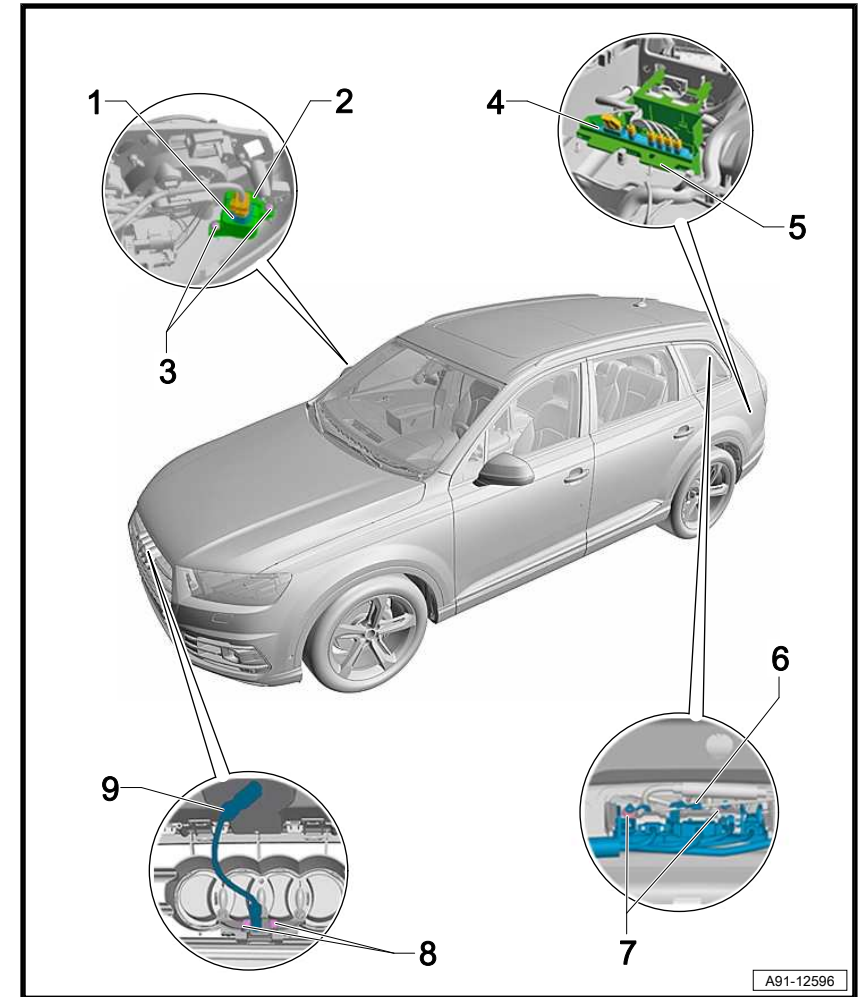
4 - Peripheral camera control module J928

- ❑ The Peripheral Camera Control Module is located behind the left luggage compartment trim panel.

6 - Rear peripheral camera -R246-

- ❑ The Rear Peripheral Camera is installed in the rear lid handle assembly

9 - Front peripheral camera -R243-



A91-12596

1 Comp. Loc. Engine

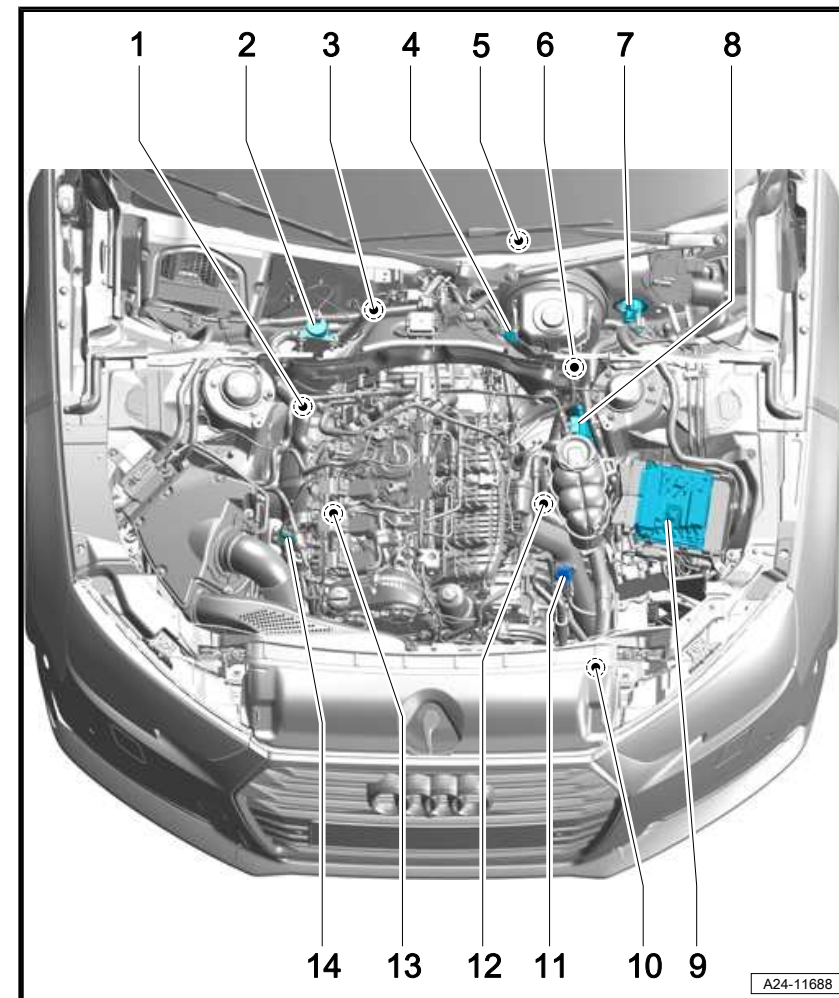
- ◆ ⇒ [“1.1 2.0L TFSI CYMC ”, page 1](#)
- ◆ ⇒ [“1.2 3.0L TFSI CREC ”, page 6](#)
- ◆ ⇒ [“1.3 3.0L TDI CUEA ”, page 11](#)
- ◆ ⇒ [“1.4 Exhaust ”, page 15](#)

1.1 2.0L TFSI CYMC

- ◆ ⇒ [“1.1.1 Engine Comp.”, page 1](#)
- ◆ ⇒ [“1.1.2 Engine Top”, page 3](#)
- ◆ ⇒ [“1.1.3 Engine Front”, page 4](#)
- ◆ ⇒ [“1.1.4 Engine Rear”, page 5](#)
- ◆ ⇒ [“1.1.5 Engine Right”, page 6](#)

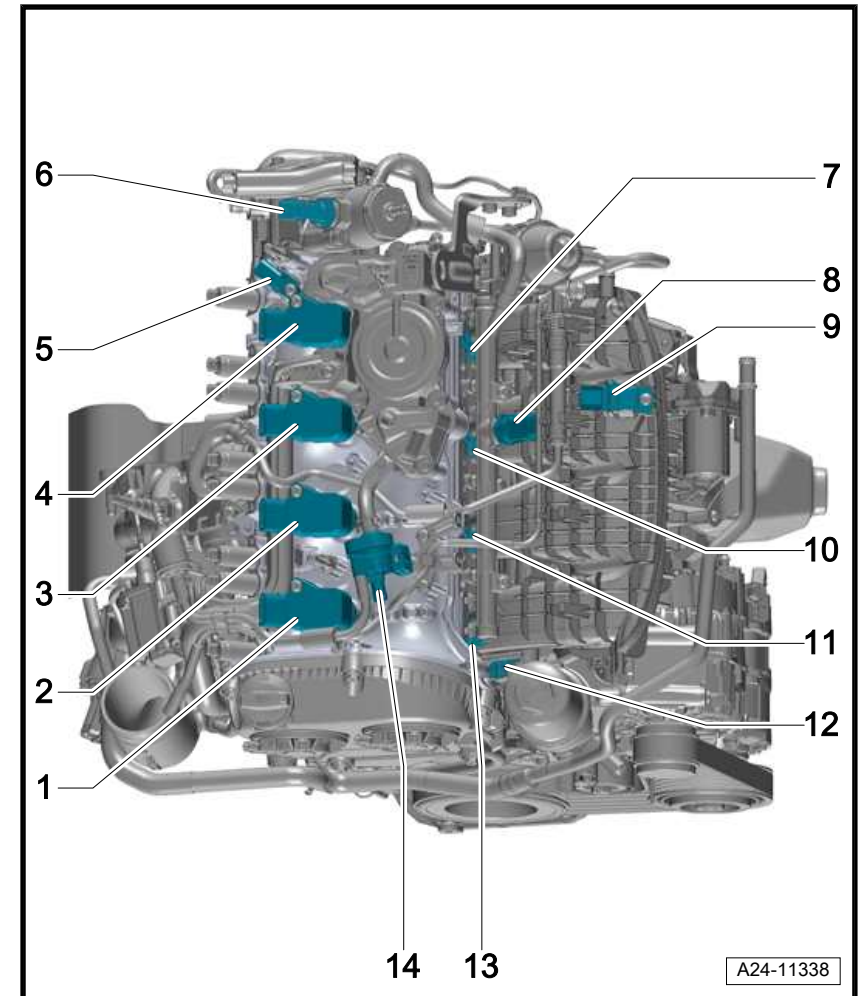
1.1.1 Engine Comp.

- 1 - Oxygen sensor 1 after catalytic converter GX7, ⇒ [page 16](#)
- 1 - Oxygen Sensor after Catalytic Converter G130, ⇒ [page 16](#)
- 1 - Heater for Oxygen Sensor 1 after Catalytic Converter Z29, ⇒ [page 16](#)
- 2 - Coolant Shut-Off Valve -N82-
- 2 - Heater Coolant Shut-Off Valve -N279- , with parking heater
- 3 - Gear Recognition Sensor G604
 - ❑ located on transmission tail housing
- 4 - Brake Booster Pressure Sensor -G294-
- 5 - Accelerator pedal module -GX2-
- 5 - Accelerator Pedal Position Sensor -G79-
- 5 - Accelerator Pedal Position Sensor 2 -G185-
- 6 - Brake lamp switch F
- 7 - Clutch Position Sensor -G476-
 - ❑ Equipment version with manual transmission
- 7 - Clutch Pedal Switch -F36-
 - ❑ Equipment version with manual transmission
- 7 - Clutch Pedal Starter Interlock Switch -F194-
 - ❑ Equipment version with manual transmission
- 8 - Coolant Recirculation Pump -V50-
- 8 - After-Run Coolant Pump -V51-
- 9 - Engine Control Module J623
- 10 - Engine Coolant Temperature Sensor on Radiator Outlet -G83-
- 11 - Charge Air Pressure Sensor -G31-
- 12 - Right Electrohydraulic Engine Mount Solenoid Valve -N145-
- 13 - Left Electrohydraulic Engine Mount Solenoid Valve -N144-
- 14 - Oxygen sensor 1 before catalytic converter GX10 ⇒ [page 16](#)
- 14 - Heated Oxygen Sensor G39 ⇒ [page 16](#)
- 14 - Oxygen Sensor Heater Z19 ⇒ [page 16](#)



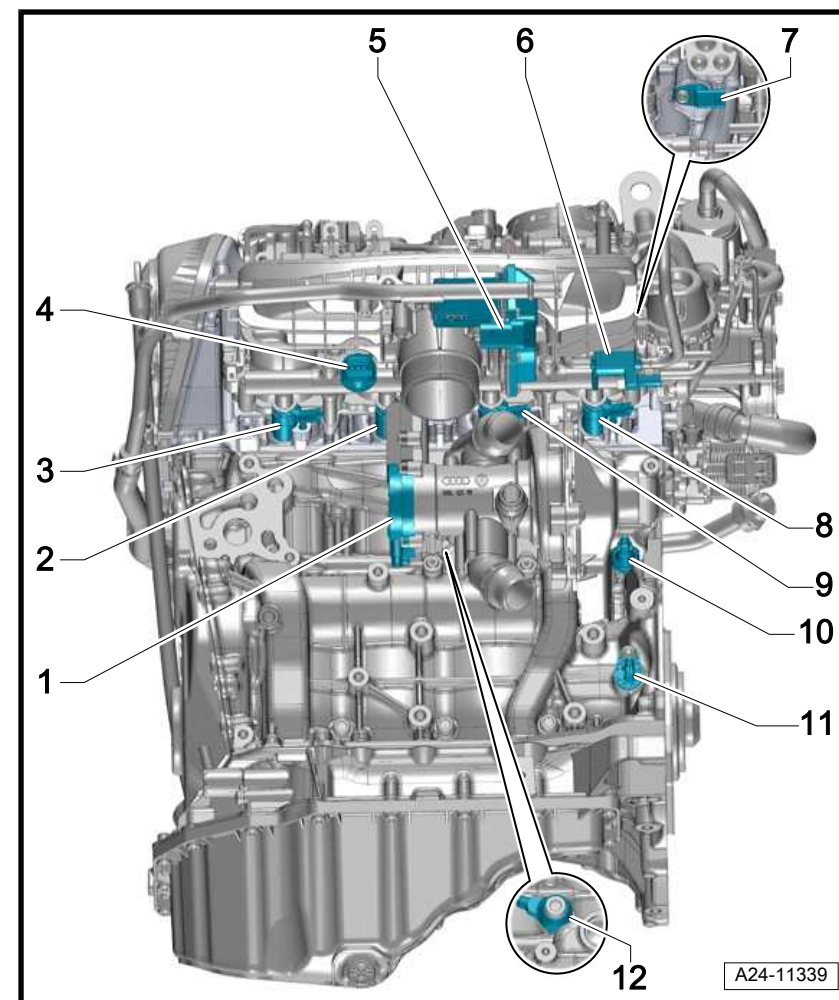
1.1.2 Engine Top

- 1 - Ignition Coil 1 with Power Output Stage -N70-
- 2 - Ignition Coil 2 with Power Output Stage -N127-
- 3 - Ignition Coil 3 with Power Output Stage -N291-
- 4 - Ignition Coil 4 with Power Output Stage -N292-
- 5 - Camshaft Position Sensor 3 -G300-
- 6 - Fuel Metering Valve -N290-
- 7 - Cylinder 4 Fuel Injector 2 -N535- MPI
- 8 - Low Fuel Pressure Sensor -G410-
- 9 - Manifold Absolute Pressure Sensor -G71-
- 9 - Intake Air Temperature Sensor -G42-
- 10 - Cylinder 3 Fuel Injector 2 -N534- MPI
- 11 - Cylinder 2 Fuel Injector 2 -N533- MPI
- 12 - Intake Manifold Runner Position Sensor -G336-
- 13 - Cylinder 1 Fuel Injector 2 -N532- MPI
- 14 - EVAP Canister Purge Regulator Valve 1 -N80-



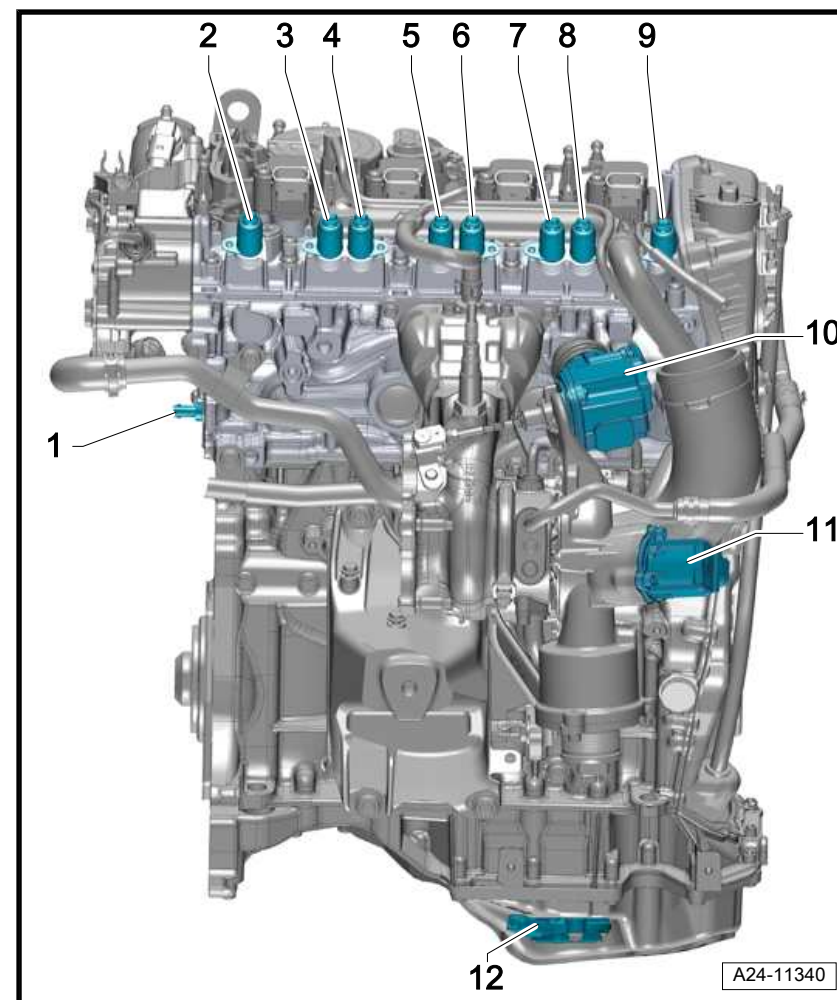
1.1.3 Engine Front

- 1 - Engine Temperature Control Actuator -N493-
- 2 - Cylinder 2 Fuel Injector -N31- FSI
- 3 - Cylinder 1 Fuel Injector -N30- FSI
- 4 - Fuel Pressure Sensor -G247-
- 5 - Throttle valve control module -GX3-
- 5 - Throttle valve control module -J338-
- 5 - EPC Throttle Drive -G186-
- 5 - EPC Throttle Drive Angle Sensor 1 -G187-
- 5 - EPC Throttle Drive Angle Sensor 2 -G188-
- 6 - Intake Manifold Runner Control Valve -N316-
- 7 - Camshaft Position Sensor -G40-
- 8 - Cylinder 4 Fuel Injector -N33- FSI
- 9 - Cylinder 3 Fuel Injector -N32- FSI
- 10 - Oil Pressure Switch, Level 3 -F447-
- 11 - Engine Speed Sensor -G28-
- 12 - Knock Sensor 1 -G61-



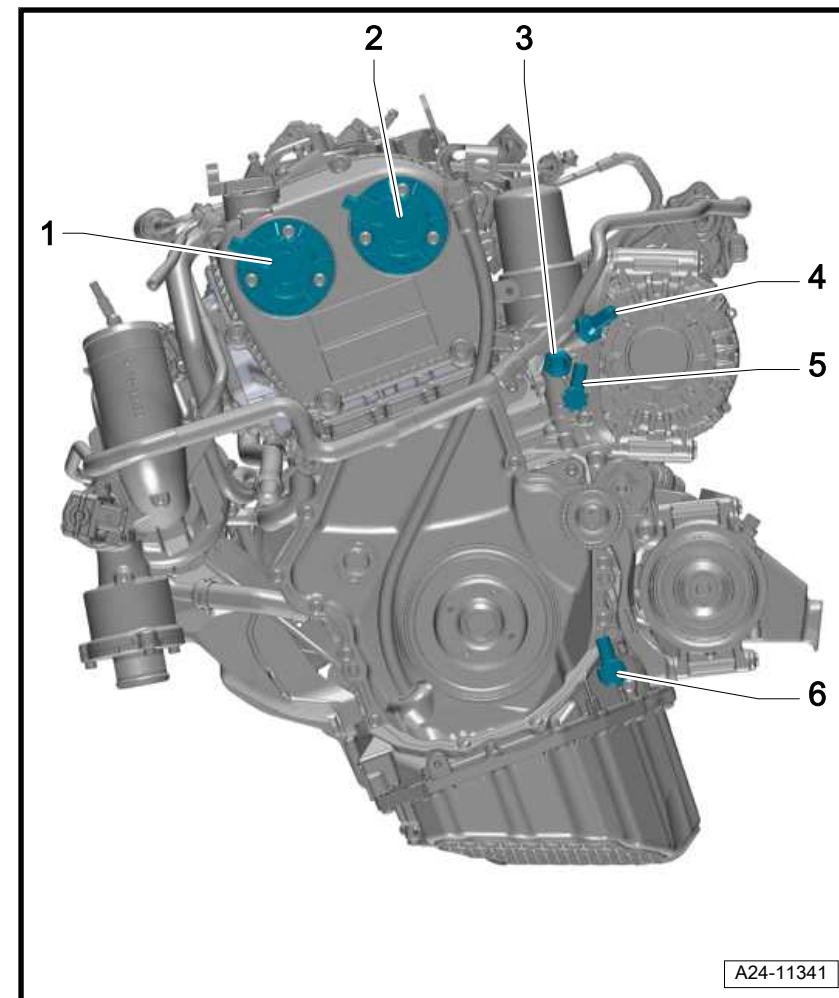
1.1.4 Engine Rear

- 1 - Engine Coolant Temperature Sensor -G62-
- 2 - Cam Adjustment Actuator 8 -F373- (for Cylinder 4)
- 3 - Cam Adjustment Actuator 7 -F372- (for Cylinder 4)
- 4 - Cam Adjustment Actuator 5 -F370- (for Cylinder 3)
- 5 - Cam Adjustment Actuator 6 -F371- (for Cylinder 3)
- 6 - Cam Adjustment Actuator 4 -F369- (for Cylinder 2)
- 7 - Cam Adjustment Actuator 3 -F368- (for Cylinder 2)
- 8 - Cam Adjustment Actuator 1 -F366- (for Cylinder 1)
- 9 - Cam Adjustment Actuator 2 -F367- (for Cylinder 1)
- 10 - Charge Air Pressure Actuator -V465-
- 10 - Charge Air Pressure Actuator Position Sensor -G581-
- 11 - Turbocharger Recirculation Valve -N249-
- 12 - Oil level thermal sensor -G266-



1.1.5 Engine Right

- 1 - Exhaust Camshaft Adjustment Valve 1 -N318-
- 2 - Camshaft Adjustment Valve 1 -N205-
- 3 - Oil Pressure Switch -F22-
- 4 - Reduced Oil Pressure Switch -F378-
- 5 - Piston Cooling Nozzle Control Valve -N522-
- 6 - Oil Pressure Regulation Valve -N428-



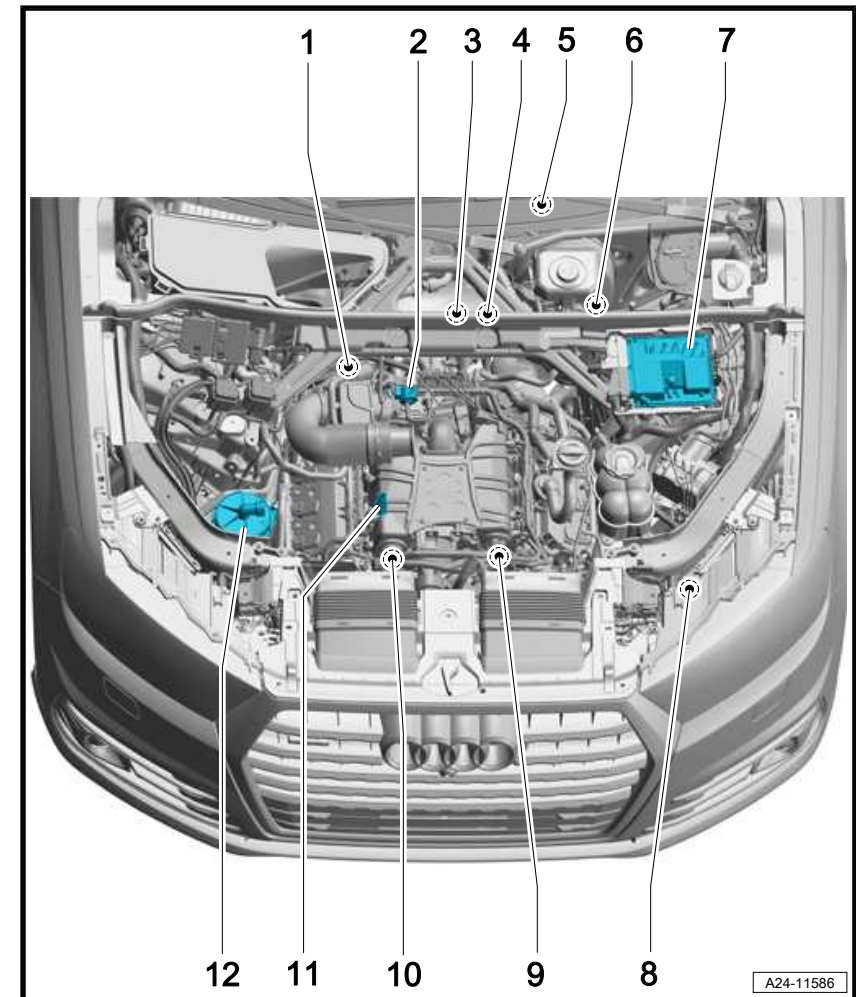
1.2 3.0L TFSI CREC

- ◆ ⇒ ["1.2.1 Engine Comp.", page 7](#)
- ◆ ⇒ ["1.2.2 Engine Top", page 8](#)

- ◆ ⇒ [“1.2.3 Engine Left”, page 9](#)
- ◆ ⇒ [“1.2.4 Engine Right”, page 10](#)
- ◆ ⇒ [“1.2.5 Engine Supercharger”, page 11](#)

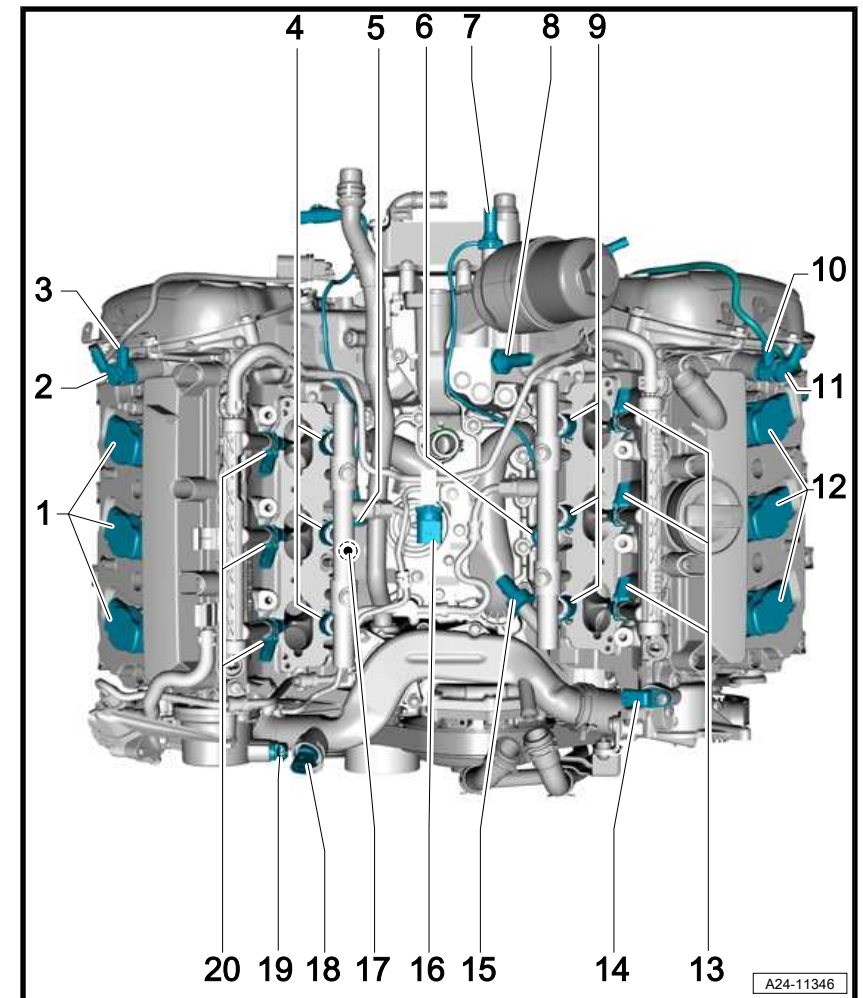
1.2.1 Engine Comp.

- 1 - Crankcase ventilation shut-off valve -N548-
- 2 - EVAP canister purge regulator valve 1 -N80-
- 3 - Coolant recirculation pump -V50-
- 4 - Transmission fluid cooling valve -N509-
- 5 - Accelerator pedal position sensor -G79-
- 5 - Accelerator pedal position sensor 2 -G185-
- 6 - Brake lamp switch F
- 7 - Engine control module J623
- 8 - Charge air cooling pump -V188-
- 9 - Intake manifold runner position sensor 2 -G512-
- 10 - Intake manifold runner position sensor -G336-
- 11 - Air filter bypass door valve -N275-
- 12 - Secondary air injection pump motor -V101-



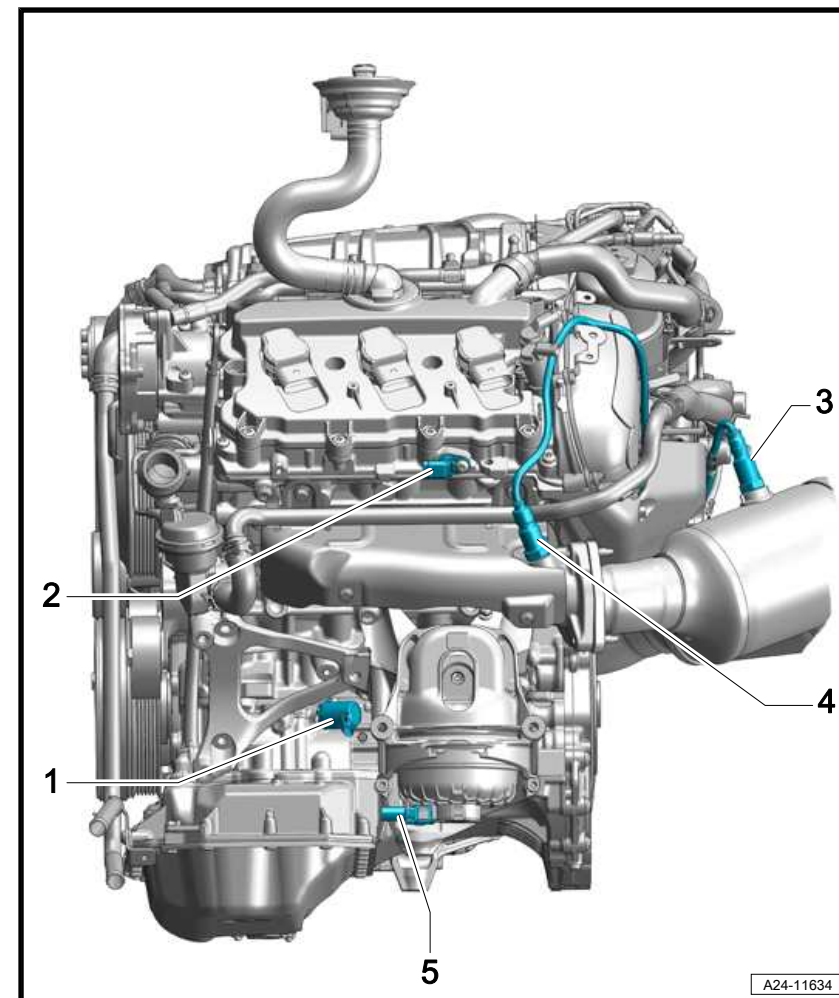
1.2.2 Engine Top

- 1 - Ignition Coils
- 2 - Exhaust camshaft adjustment valve 1 -N318-
- 3 - Camshaft adjustment valve 1 -N205-
- 4 - FSI Fuel injectors
- 5 - Knock sensor 1 -G61-
- 6 - Knock sensor 2 -G66-
- 7 - Oil pressure switch -F22-
- 8 - Reduced oil pressure switch -F378-
- 9 - FSI Fuel injectors
- 10 - Camshaft adjustment valve 2 -N208-
- 11 - Exhaust camshaft adjustment valve 2 -N319-
- 12 - Ignition coils
- 13 - Cylinder 4 fuel injector 2 -N535-
- Cylinder 5 fuel injector 2 -N536-
- Cylinder 6 fuel injector 2 -N537-
- 14 - Camshaft position sensor 2 -G163-
- 15 - Fuel pressure sensor -G247-
- 16 - Low fuel pressure sensor -G410-
- 17 - Engine temperature control sensor -G694-
- 18 - Engine coolant temperature sensor -G62-
- 19 - Camshaft position sensor -G40-
- 20 - Cylinder 1 fuel injector 2 -N532-
- 20 - Cylinder 2 fuel injector 2 -N533-
- 20 - Cylinder 3 fuel injector 2 -N534-



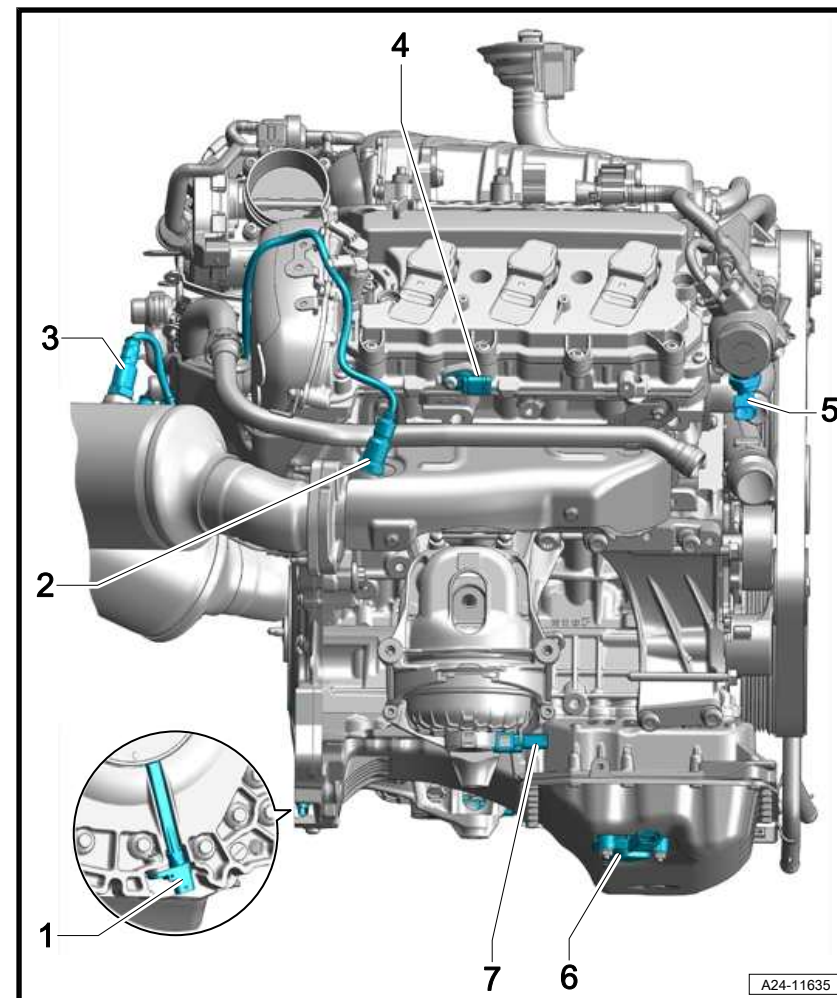
1.2.3 Engine Left

- 1 - Oil pressure regulation valve -N428-
- 2 - Camshaft position sensor 4 -G301-
- 3 - Oxygen sensor 2 after catalytic converter -G131 ⇒ [page 17](#)
- 4 - Heated oxygen sensor 2 -G108 ⇒ [page 17](#)
- 5 - Left electrohydraulic engine mount solenoid valve -N144-



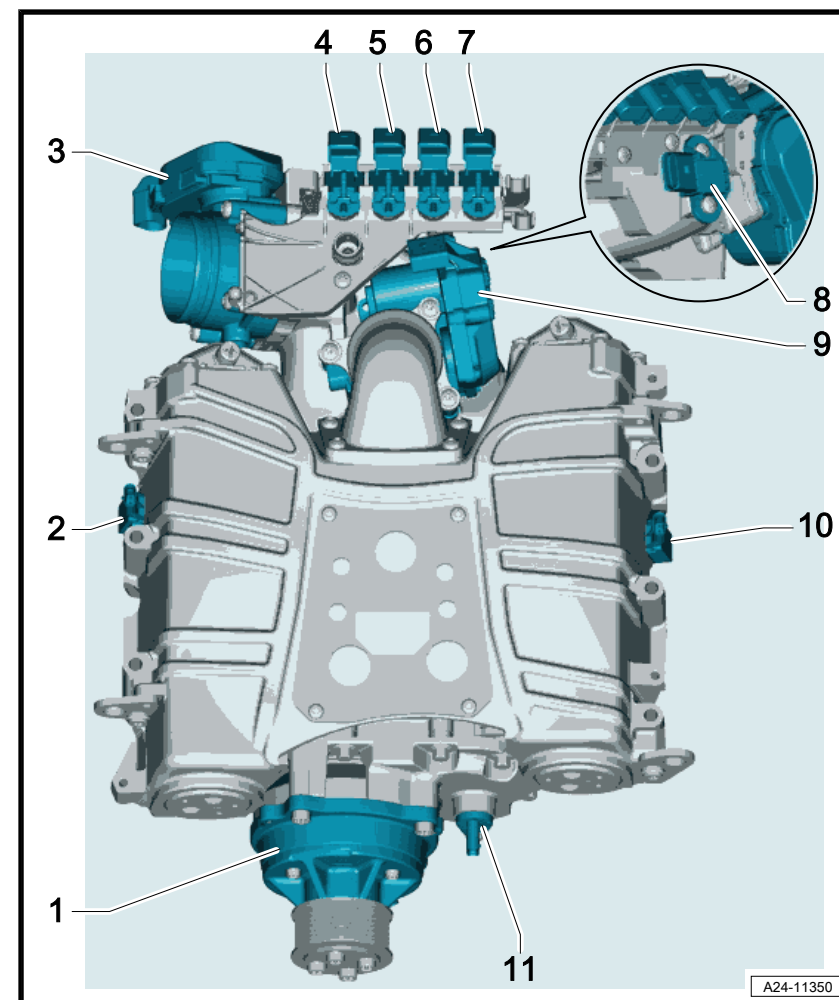
1.2.4 Engine Right

- 1 - Engine speed sensor -G28-
- 2 - Heated oxygen sensor -G39 ⇒ [page 17](#)
- 3 - Oxygen sensor after three way catalytic converter -G130 ⇒ [page 17](#)
- 4 - Camshaft position sensor 3 -G300-
- 5 - Fuel metering valve -N290-
- 6 - Oil level thermal sensor -G266-
- 7 - Right electrohydraulic engine mount solenoid valve -N145-



1.2.5 Engine Supercharger

- 1 - Compressor magnetic clutch -N421-
- 2 - Charge air pressure sensor -G31-
- 3 - Throttle valve control module -J338-
- 3 - EPC throttle drive -G186-
- 3 - EPC throttle drive angle sensor 1 -G187-
- 3 - EPC throttle drive angle sensor 2 -G188-
- 4 - Engine oil cooler valve -N554-
- 5 - Cooling circuit solenoid valve -N492-
- 6 - Intake manifold runner control valve -N316-
- 7 - Secondary air injection solenoid valve -N112-
- 8 - Intake air temperature sensor -G42-
- 8 - Manifold absolute pressure sensor -G71-
- 9 - Control valve control unit -J808-
- 9 - Control door adjustment motor -V380-
- 9 - Control valve position sensor -G584-
- 10 - Charge air pressure sensor 2 -G447-
- 11 - Turbocharger speed sensor 1 -G688-



1.3 3.0L TDI CUEA

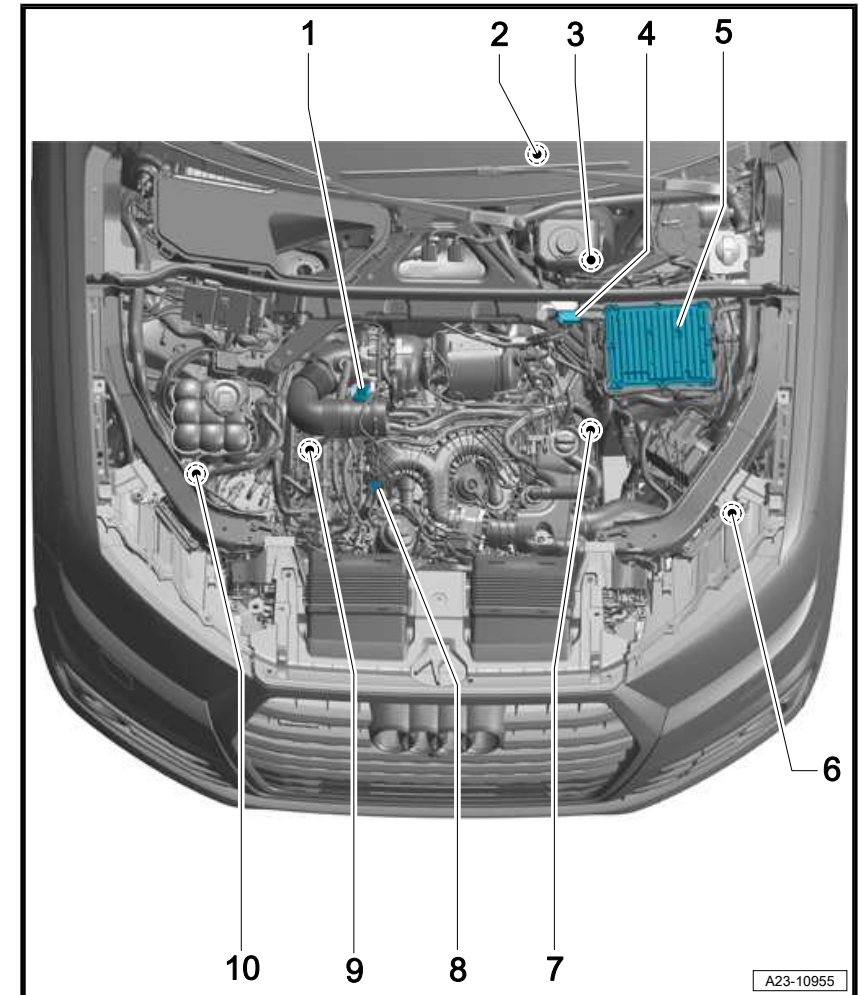
- ◆ ⇒ ["1.3.1 Engine Comp.", page 12](#)
- ◆ ⇒ ["1.3.2 Engine Top", page 13](#)

◆ ⇒ [“1.3.3 Engine Front”, page 14](#)

◆ ⇒ [“1.3.4 Engine Right”, page 15](#)

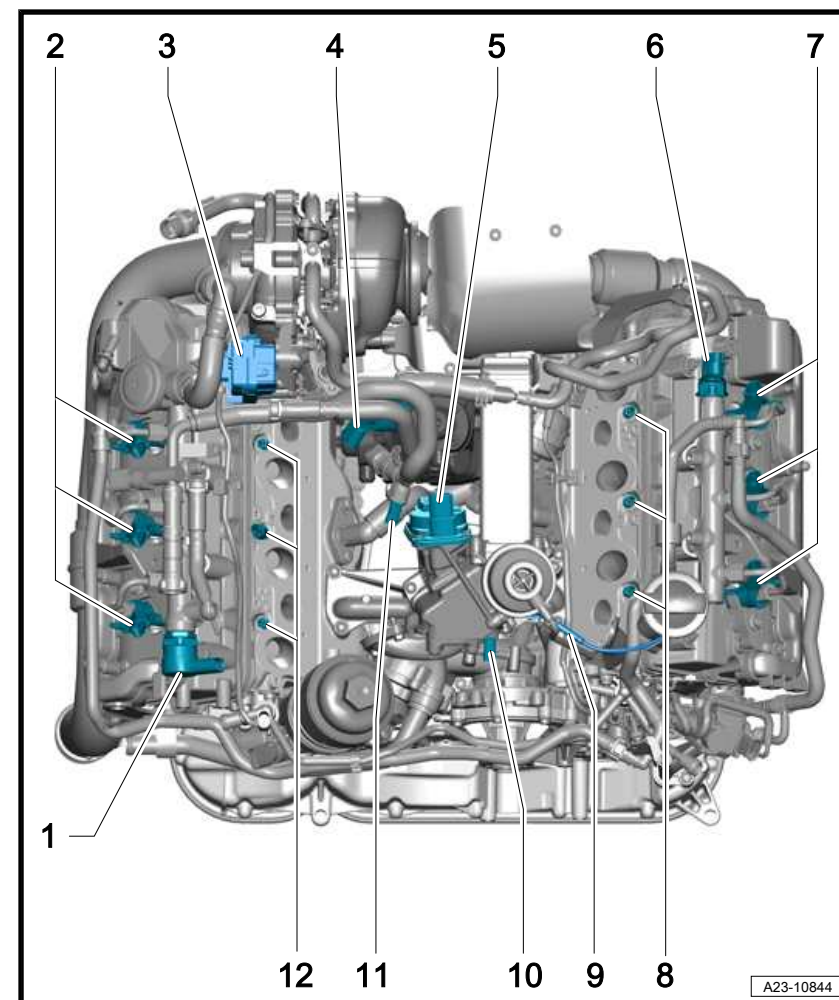
1.3.1 Engine Comp.

- 1 - Mass airflow sensor -G70-
- 2 - Accelerator pedal module -GX2-
- 2 - Accelerator pedal position sensor -G79-
- 2 - Accelerator pedal position sensor 2 -G185-
- 2 - Active accelerator pedal control module -J1115- , if equipped
- 3 - Brake lamp switch F
- 4 - Differential pressure sensor -G505-
- 5 - Engine control module -J623
- 6 - Intake air temperature sensor -G42-
- 7 - Left electrohydraulic engine mount solenoid valve -N144-
- 7 - Subframe mount actuator 2 -N514-
- 7 - Subframe mount sensor 1 -G748-
- 8 - Air filter bypass door valve -N275-
- 9 - Right electrohydraulic engine mount solenoid valve -N145-
- 9 - Subframe mount actuator 1 -N513-
- 9 - Subframe mount sensor 2 -G749-
- 10 - Coolant recirculation pump -V50-



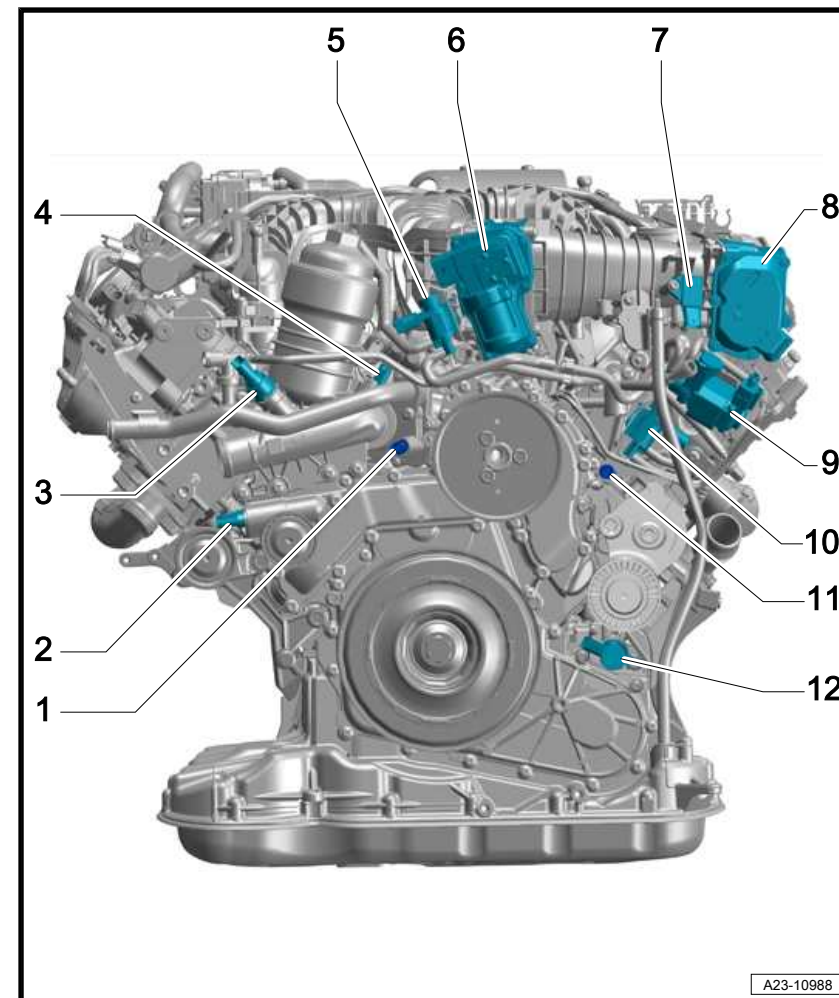
1.3.2 Engine Top

- 1 - Fuel pressure regulator valve -N276-
- 2 - Cylinder Bank 1 Fuel Injectors (Right)
- 3 - Turbocharger control module 1 -J724-
- 4 - Fuel metering valve -N290-
- 5 - EGR motor -V338-
- 5 - EGR potentiometer -G212-
- 6 - Fuel pressure sensor -G247-
- 7 - Cylinder Bank 2 Fuel Injectors (Left)
- 8 - Cylinder Bank 2 Glow Plugs (Left)
- 9 - EGR temperature sensor -G98-
- 10 - Engine coolant temperature sensor -G62-
- 11 - Fuel temperature sensor -G81-
- 12 - Cylinder Bank 1 Glow Plugs (Right)



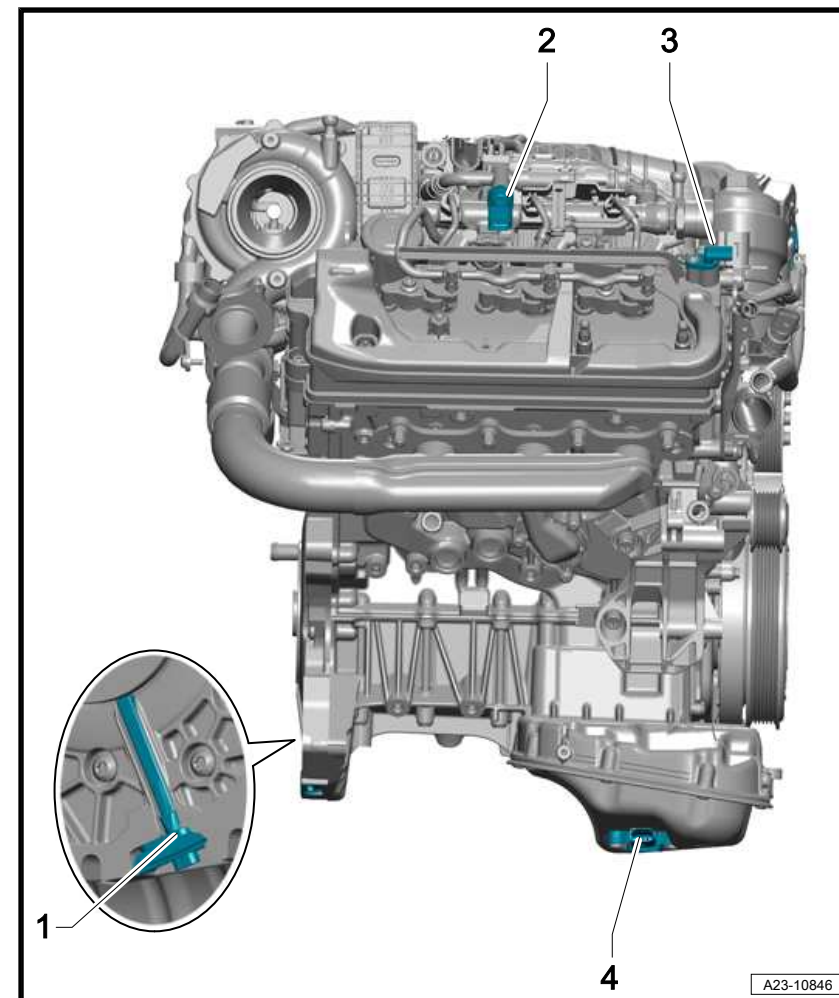
1.3.3 Engine Front

- 1 - Map controlled engine cooling thermostat -F265-
- 2 - Oil temperature sensor 2 -G664-
- 3 - Oil pressure sensor -G10-
- 4 - Coolant temperature sensor 2 -G802-
- 5 - EGR cooling bypass valve 2 -N387-
- 6 - Intake flap motor -V157-
- 7 - Charge air pressure sensor -G31-
- 8 - Throttle valve control module -J338-
- 9 - Cylinder head coolant valve -N489-
- 10 - EGR cooler switch-over valve -N345-
- 11 - Engine temperature control sensor -G694-
- 12 - Oil pressure regulation valve -N428-



1.3.4 Engine Right

- 1 - Engine speed sensor -G28-
- 2 - Low fuel pressure sensor -G410-
- 3 - Camshaft position sensor -G40-
- 4 - Oil level thermal sensor -G266-



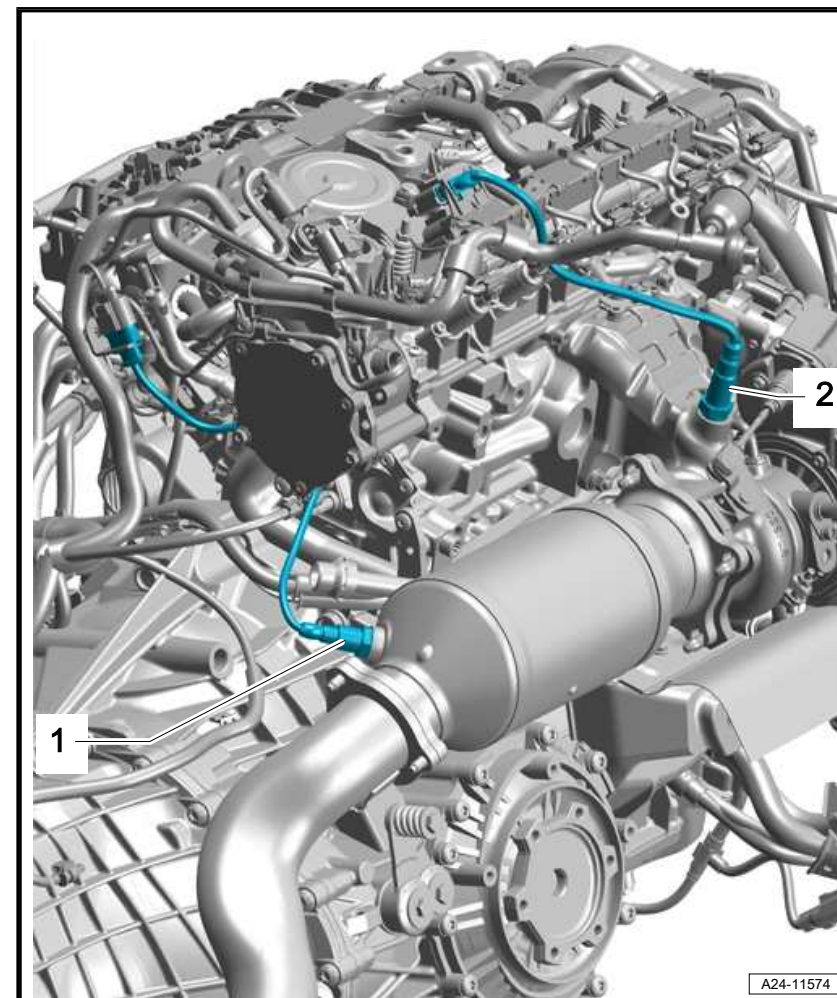
1.4 Exhaust

- ◆ ⇒ ["1.4.1 2.0L CYMC TFSI", page 16](#)
- ◆ ⇒ ["1.4.2 3.0L CREC TFSI", page 17](#)

♦ ⇒ ["1.4.3 3.0L CUEA TDI", page 17](#)

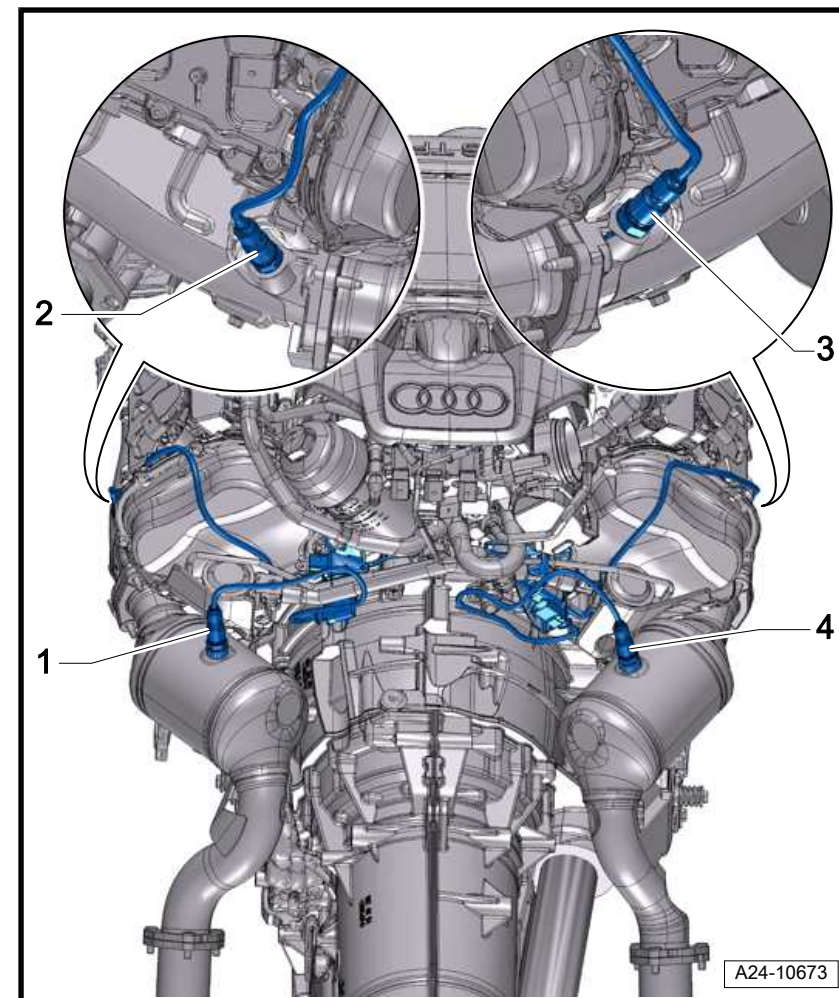
1.4.1 2.0L CYMC TFSI

- 1 - Oxygen sensor 1 after catalytic converter -GX7-
- 1 - Oxygen Sensor after Catalytic Converter -G130-
- 1 - Heater for Oxygen Sensor 1 after Catalytic Converter -Z29-
- 2 - Oxygen sensor 1 before catalytic converter -GX10-
- 2 - Heated oxygen sensor -G39-
- 2 - Oxygen Sensor Heater -Z19-



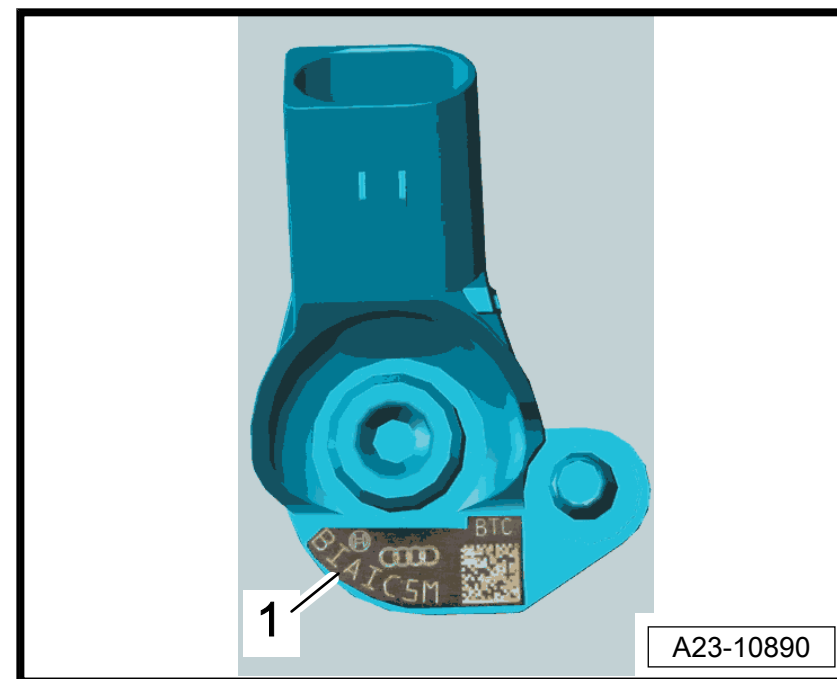
1.4.2 3.0L CREC TFSI

- 1 - Oxygen sensor 2 after catalytic converter -G131-
- 1 - Heater for oxygen sensor 2 after catalytic converter -Z30-
- 2 - Heated oxygen sensor 2 -G108-
- 2 - Oxygen sensor 2 heater -Z28-
- 3 - Heated oxygen sensor -G39-
- 3 - Oxygen sensor heater -Z19-
- 4 - Oxygen sensor after three way catalytic converter -G130-
- 4 - Heater for oxygen sensor 1 after catalytic converter -Z29-



1.4.3 3.0L CUEA TDI

- 1 - Exhaust gas temperature sensor 5 -G815-
- 2 - NOx sensor 2 -G687-
- 2 - NOx sensor control module 2 -J881-
- 3 - Particulate sensor -G784-
- 4 - Differential pressure sensor -G505-
- 5 - Exhaust gas temperature sensor 3 -G495-
- 6 - NOx sensor -G295-
- 6 - NOx sensor control module -J583-
- 7 - Catalyst temperature sensor 1 -G20-
- 8 - Exhaust gas temperature sensor 2 -G448-
- 9 - Heated oxygen sensor -G39-
- 9 - Oxygen sensor heater -Z19-
- 10 - Exhaust gas temperature sensor 1 -G235-
- 11 - Exhaust gas temperature sensor 4 -G648-



1 Comp. Loc. Park Aid

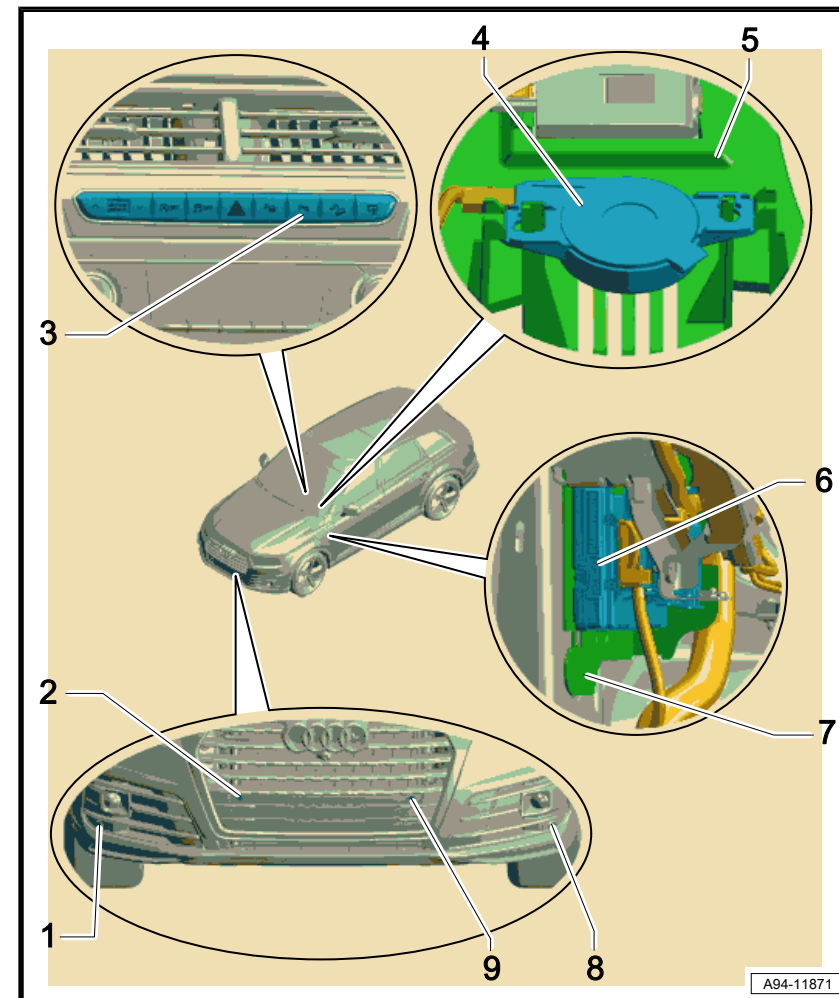
1.1 Park Aid Overview

◆ ⇒ ["1.1.1 Front", page 1](#)

◆ ⇒ ["1.1.2 Rear", page 3](#)

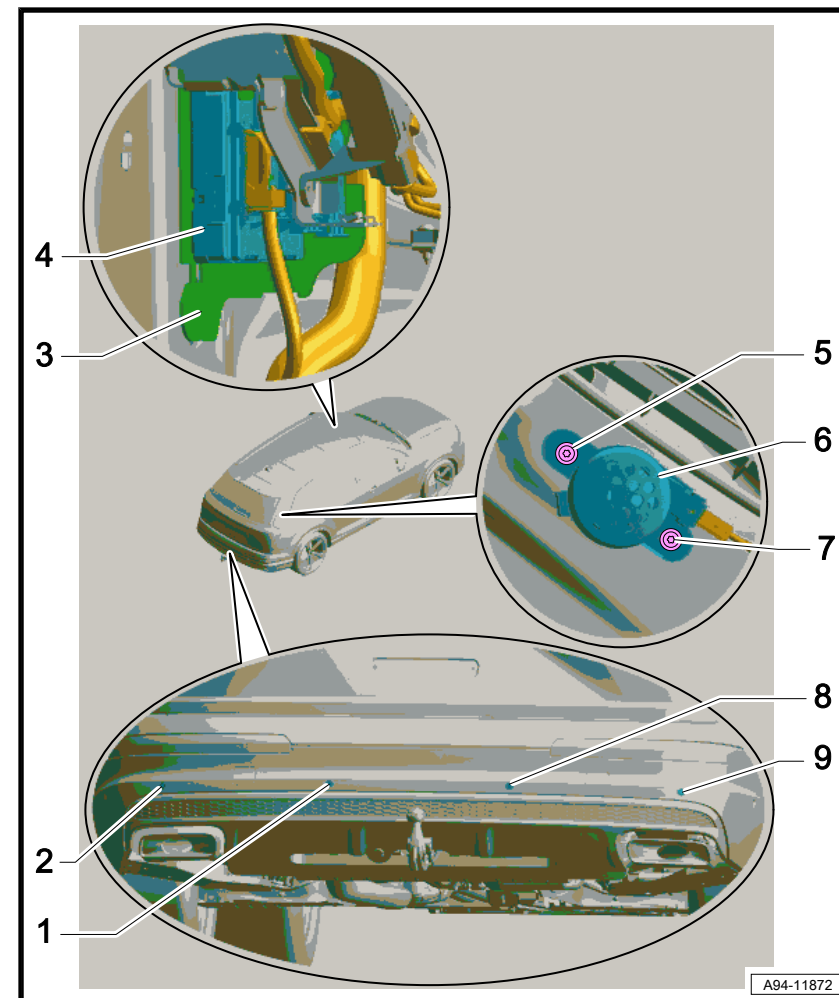
1.1.1 Front

- 1 - Right front parking aid sensor -G252-
- 2 - Right front center parking aid sensor -G253-
- 3 - Parking aid button -E266-
- 4 - Front parking aid warning buzzer -H22-
☐ Behind the driver side instrument panel cover
- 6 - Vehicle electrical control module system J519
- 8 - Left front parking aid sensor -G255-
- 9 - Left front center parking aid sensor -G254-



1.1.2 Rear

- 1 - Left rear center parking aid sensor -G204-
- 2 - Left rear parking aid sensor -G203-
- 4 - Vehicle electrical control module system J519
- 6 - Rear parking aid warning buzzer -H15-
☐ Behind the D-pillar trim panel.
- 8 - Right rear center parking aid sensor -G205-
- 9 - Right rear parking aid sensor -G206-

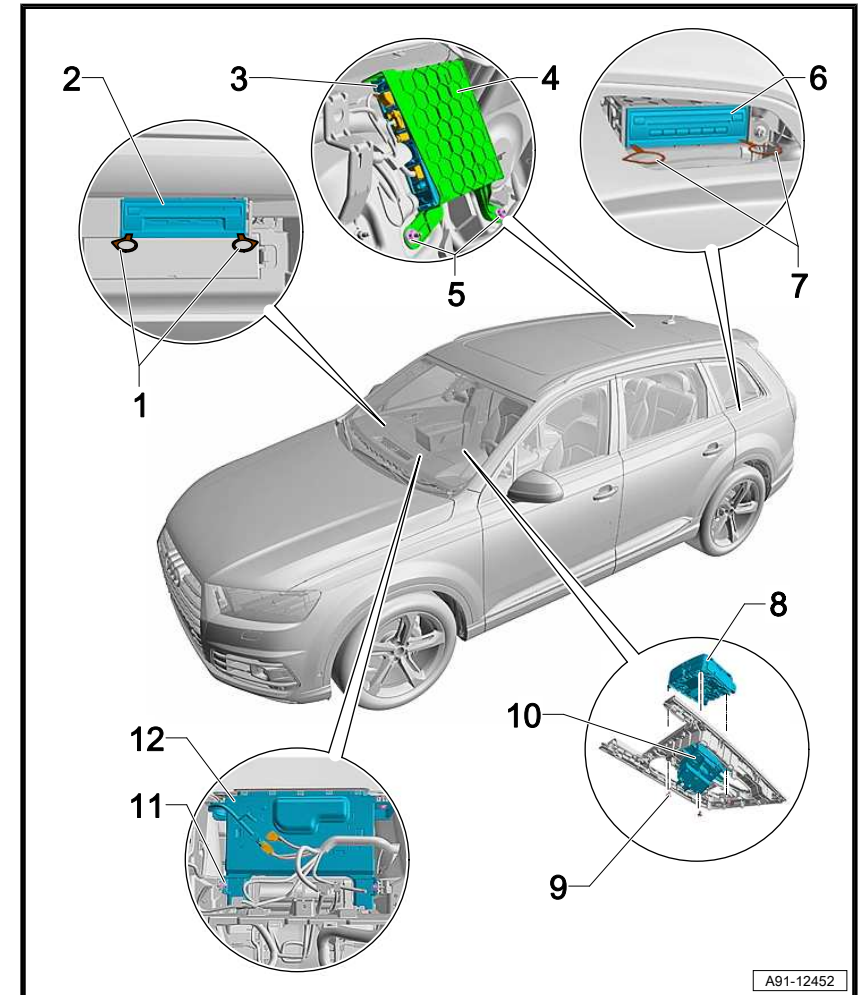


1 Comp. Loc. Radio

- ◆ ⇒ [“1.1 Infotainment ”, page 1](#)
- ◆ ⇒ [“1.2 Telephone ”, page 3](#)
- ◆ ⇒ [“1.3 Antenna ”, page 4](#)
- ◆ ⇒ [“1.4 Mobile Services ”, page 5](#)
- ◆ ⇒ [“1.5 Sound Systems ”, page 5](#)

1.1 Infotainment

- 2 - Information electronics control module 1 J794
- 3 - TV tuner R78
- 6 - DVD changer R161
- 8 - Multimedia system control head -E380-
- 10 - Driver volume control E67
- 12 - Front information display control head J685



1.2 Telephone

1 - Telephone baseplate -R126-

- The Telephone Baseplate is located under the front center armrest

6 - Cellular telephone amplifier R86

- The Cellular Telephone Amplifier is behind the right luggage compartment side trim panel.

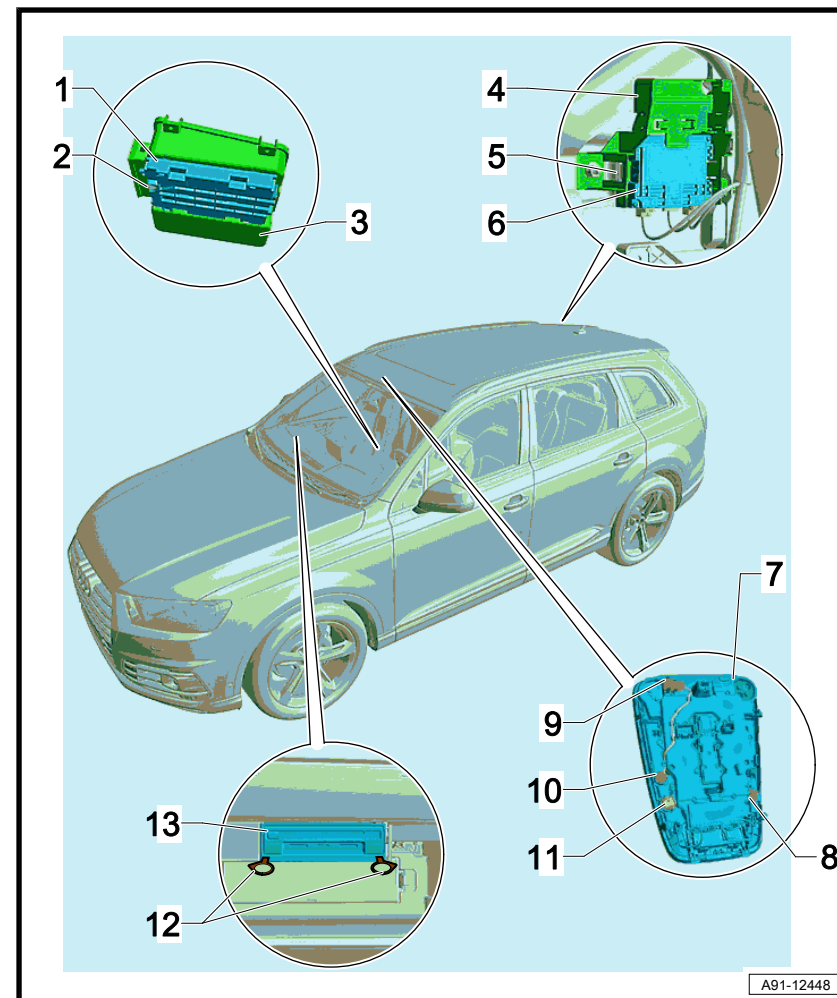
7 - Microphone unit in front roof module -R164-

8 - Right front microphone -R141-

10 - Interior microphone -R74-

11 - Left front microphone -R140-

13 - Information electronics control module 1 J794



1.3 Antenna

4 - Roof antenna -R216-

4 - LTE antenna 1 -R297-

5 - GPS antenna -R50-

6 - GSM connection for Telephone antenna -R65-

6 - GSM connection for LTE antenna 1 -R297-

7 - Satellite antenna -R170-

9 - Antenna amplifier 2 -R111-

❑ Located at the top of the rear lid.

11 - TV antenna amplifier 1 -R82-

❑ Located at the top of the rear lid.

13 - Antenna amplifier -R24-

❑ Located at the top of the rear lid.

14 - LTE antenna 2 -R306-

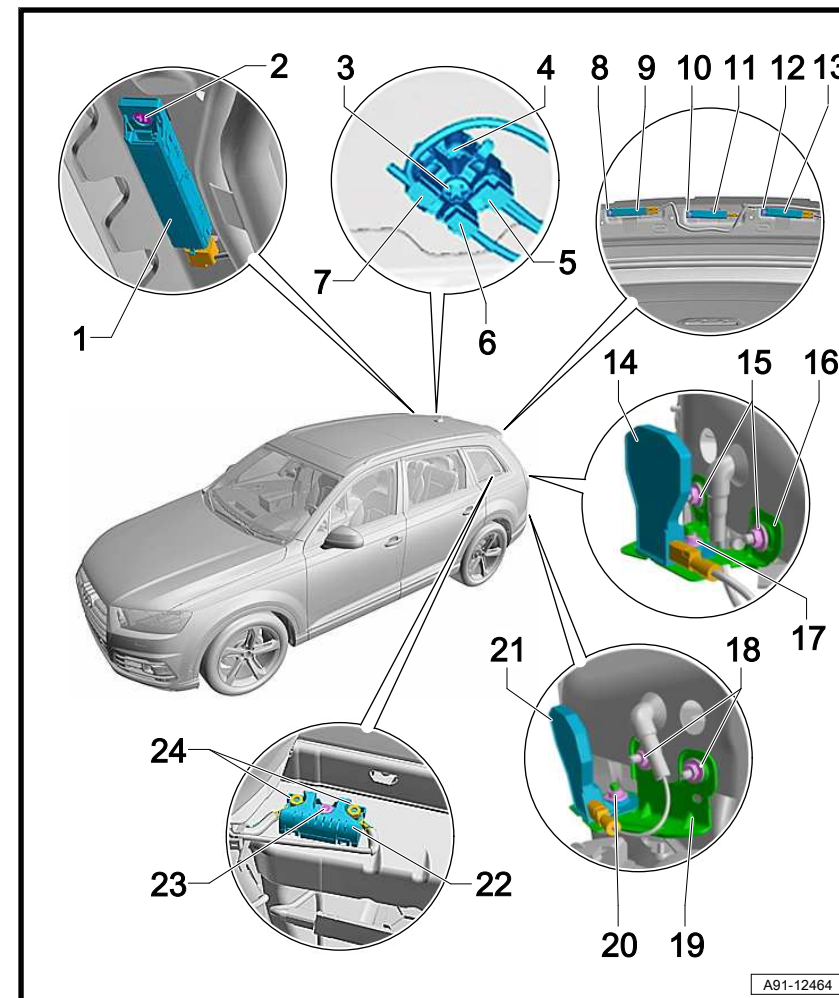
❑ The LTE Antenna 2 is located behind the rear bumper trim panel.

21 - LTE antenna 2 R306

❑ The LTE Antenna 2 is located behind the rear bumper trim panel.

22 - Windshield antenna suppression filter -C18-

❑ The Windshield Antenna Suppression Filter is located behind the left luggage compartment side trim panel.



Volkswagen Technical Site: <https://vwts.ru>

1.4 Mobile Services

1 - Information electronics control module 1 J794

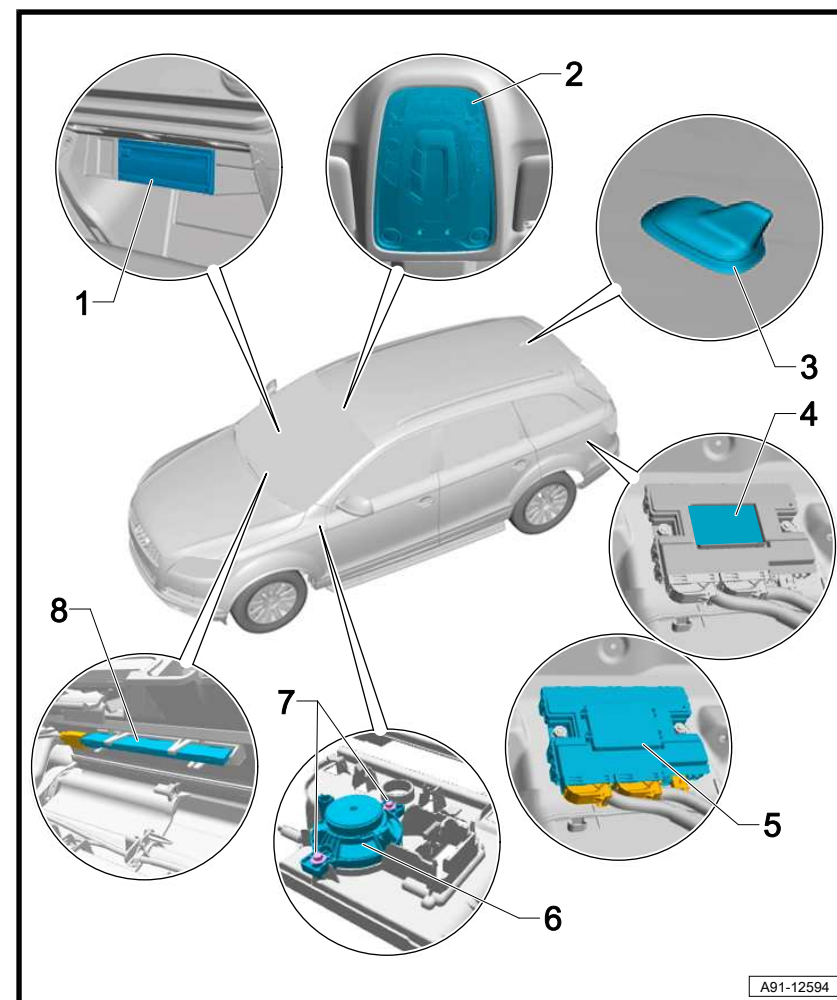
3 - GPS Antenna -R50-

4 - Telematics emergency battery -A16-

6 - Emergency call module speaker -R335-

8 - Emergency module antenna -R263-

- ❑ The Emergency Module Antenna -R263- is located in the front center instrument panel (IW3 and WITHOUT laminated windshield (PR codes 4GL or 4GR))
- ❑ The Emergency Module Antenna -R263- is located in the luggage compartment side trim panel on the left side (only IW3 WITH laminated windshield (PR codes 4GL or 4GR))



1.5 Sound Systems

◆ ⇒ [“1.5.1 Standard, BOSE®”, page 6](#)

◆ ⇒ [“1.5.2 Bang & Olufsen®”, page 7](#)

♦ ⇒ [“1.5.3 ANC Microphones”, page 8](#)

♦ ⇒ [“1.5.4 Amplifier, Subwoofer, e-tron”, page 9](#)

1.5.1 Standard, BOSE®

1 - Left front treble speaker -R20-

1 - Right front treble speaker -R22- , similar

4 - Left front treble speaker 2 -R220-

4 - Right front treble speaker 2 -R221- , similar

5 - Left rear treble speaker -R14-

5 - Right rear treble speaker -R16- , similar

7 - Left effects speaker -R209-

7 - Right effects speaker -R210- , similar

8 - Subwoofer -R211-

□ The Subwoofer is located in the right luggage compartment recess.

10 - Left rear bass speaker -R15-

10 - Right rear bass speaker -R17- , similar

13 - Left front bass speaker -R21- BOSE®

13 - Right front bass speaker -R23- BOSE®, similar

14 - Left front bass speaker -R21- Standard

14 - Right front bass speaker -R23- Standard, similar

17 - Left front speaker -R2-

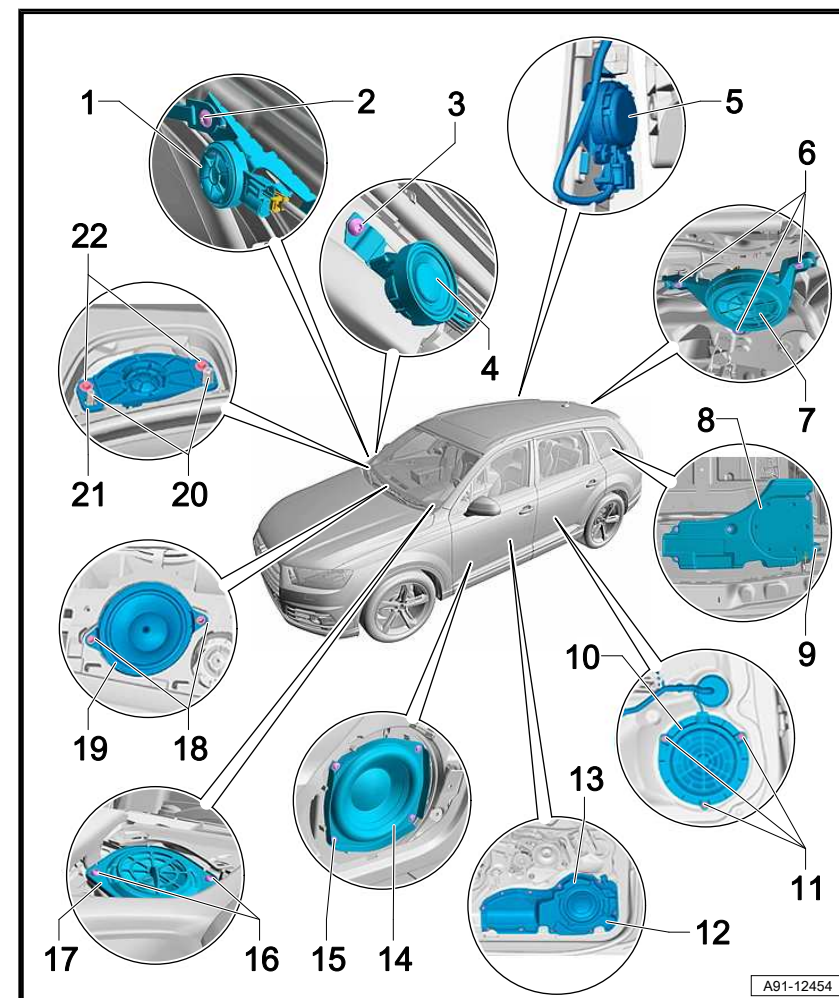
17 - Right front speaker -R3- , similar

19 - Center speaker -R208-

19 - Center speaker 2 -R219- , similar

21 - Left front treble speaker -R20-

21 - Right front treble speaker -R22- , similar



1.5.2 Bang & Olufsen®

2 - Left front treble speaker -R20-

2 - Right front treble speaker -R22- , similar

2 - Left front treble speaker motor -V344-

2 - Right front treble speaker motor -V345- similar

4 - Left front treble speaker 2 -R220-

4 - Right front treble speaker 2 -R221- similar

5 - Left rear treble speaker -R14-

5 - Right rear treble speaker -R16- similar

7 - Left effects speaker -R209-

7 - Right effects speaker -R210- similar

7 - Left rear treble speaker 2 -R217-

7 - Right rear treble speaker 2 -R218- similar

8 - Subwoofer -R211-

❑ The Subwoofer is located in the right luggage compartment recess

❑ For 9VD, 9VS, 8RF and e-tron, the Subwoofer is located in the luggage compartment on the left side.

11 - Left rear bass speaker -R15-

11 - Right rear bass speaker -R17- similar

11 - Left rear midrange speaker -R105-

11 - Right rear midrange speaker -R106- similar

12 - Left front bass speaker -R21-

12 - Right front bass speaker -R23- similar

12 - Left front midrange speaker -R103-

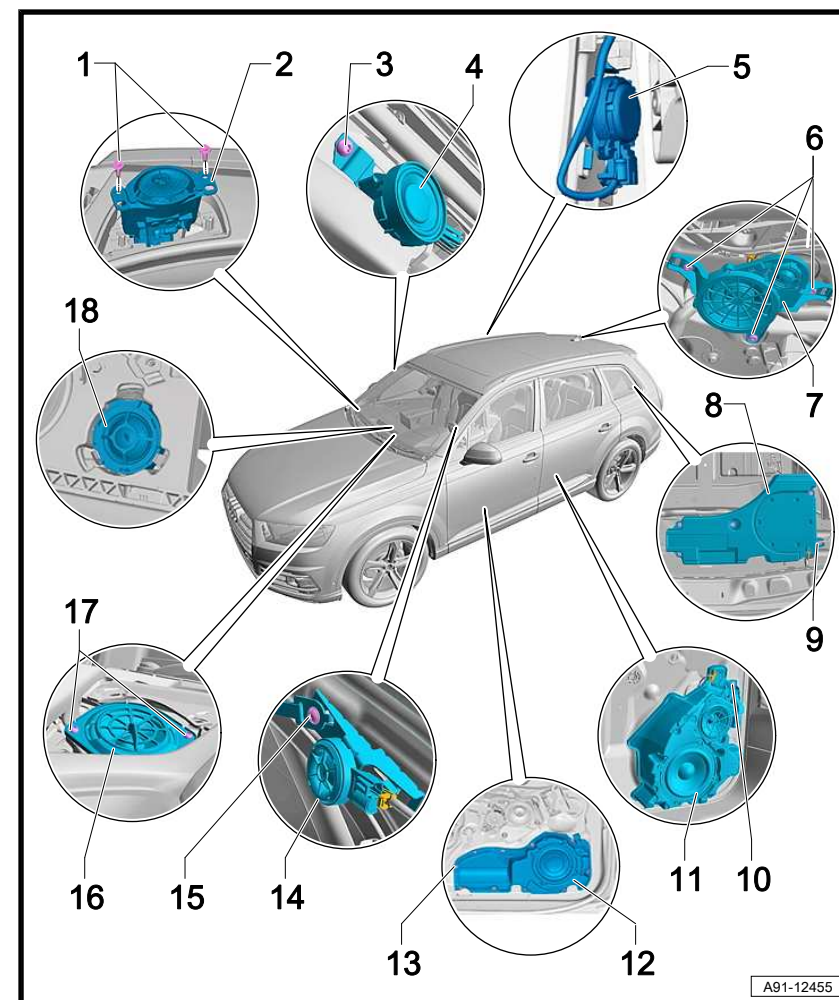
12 - Right front midrange speaker -R104- similar

14 - Left front midrange speaker 2 -R276-

14 - Right front midrange speaker 2 -R277- similar

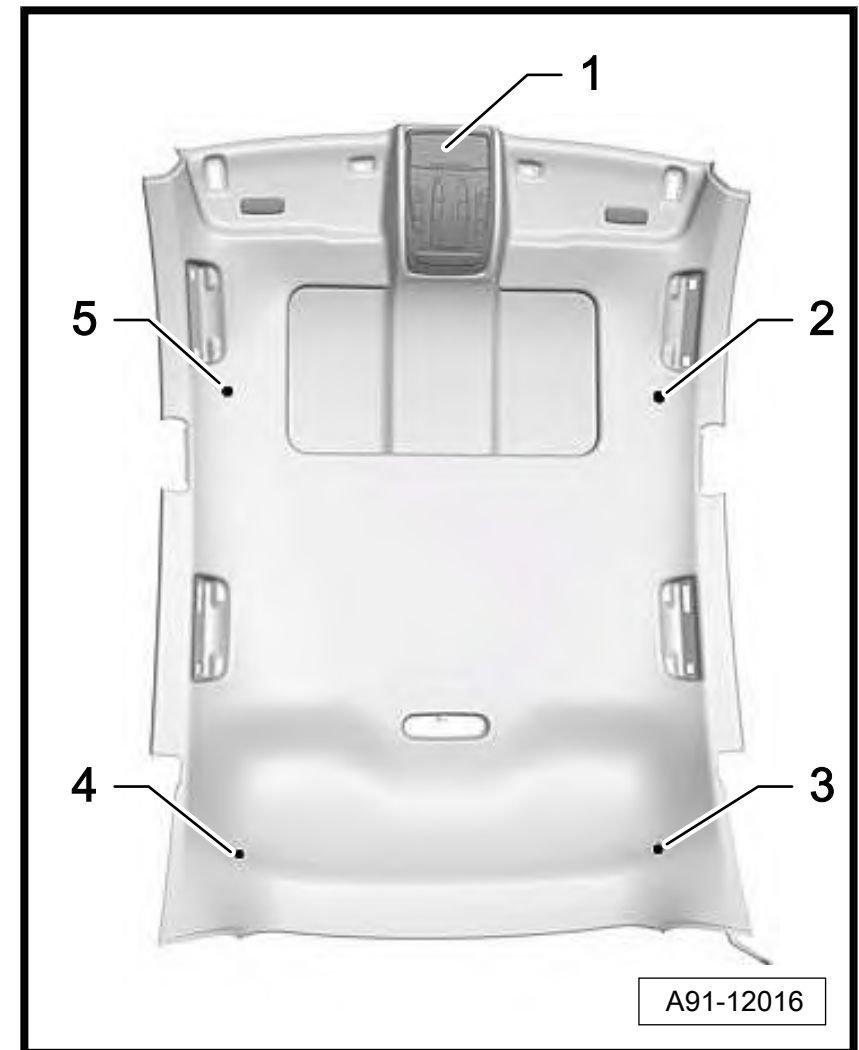
16 - Center speaker -R208-

18 - Center speaker 2 -R219- similar



1.5.3 ANC Microphones

- 1 - Interior microphone -R74-
- 2 - Noise reduction microphone 1 -R285-
- 3 - Noise reduction microphone 3 -R287-
- 4 - Noise reduction microphone 4 -R288-
- 5 - Noise reduction microphone 2 -R286-



1.5.4 Amplifier, Subwoofer, e-tron

2 - Digital sound system control module J525, 9VS

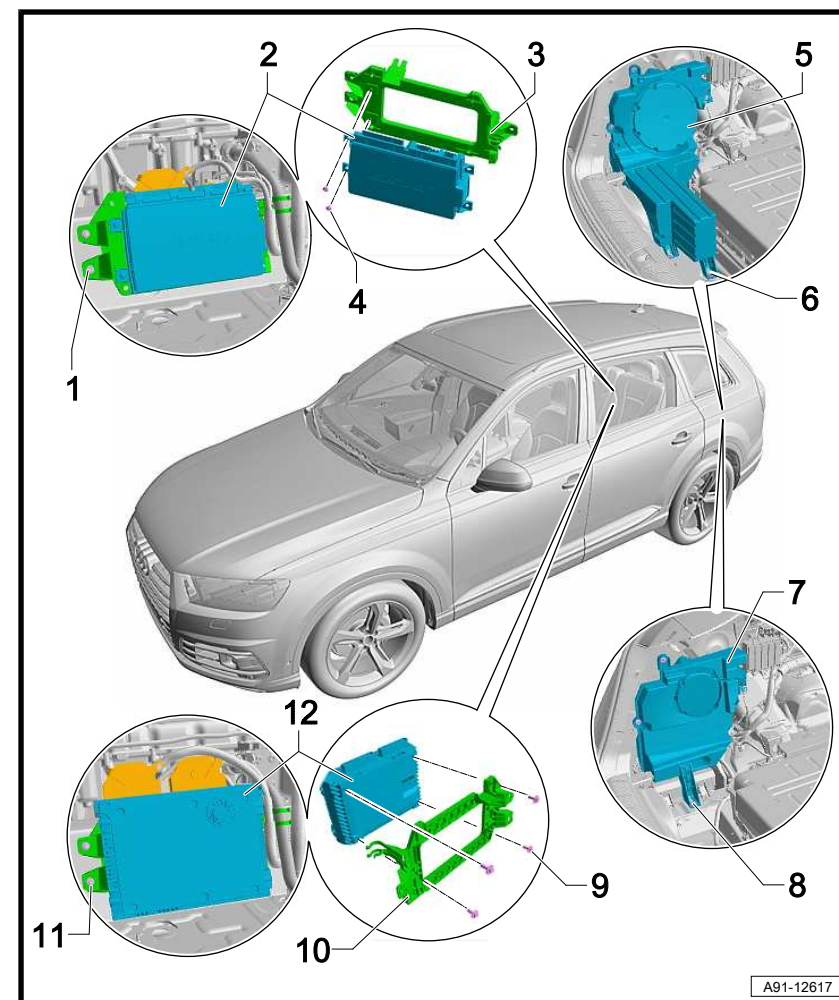
5 - Subwoofer -R211- , 9VS, 8RF

□ The Subwoofer is located in the luggage compartment on the left side.

7 - Subwoofer -R211- , 9VD

□ The Subwoofer is located in the luggage compartment on the left side.

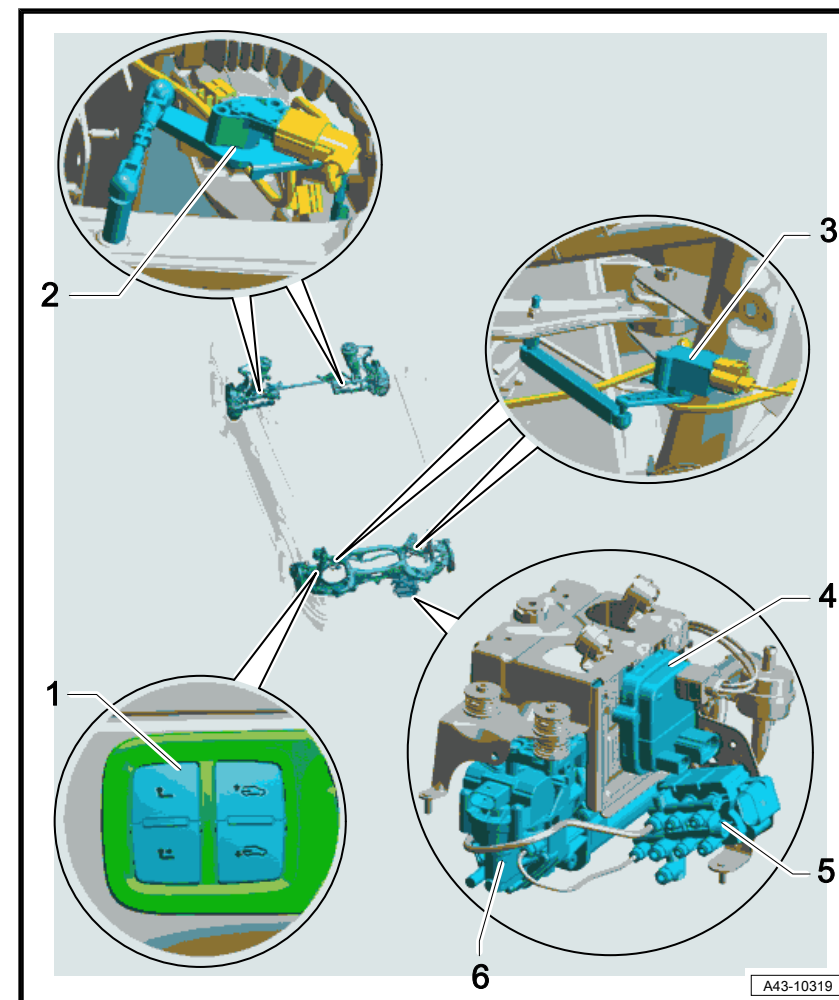
12 - Digital sound system control module J525, 8RF



1 Comp. Loc. Suspension

1.1 Suspension Overview

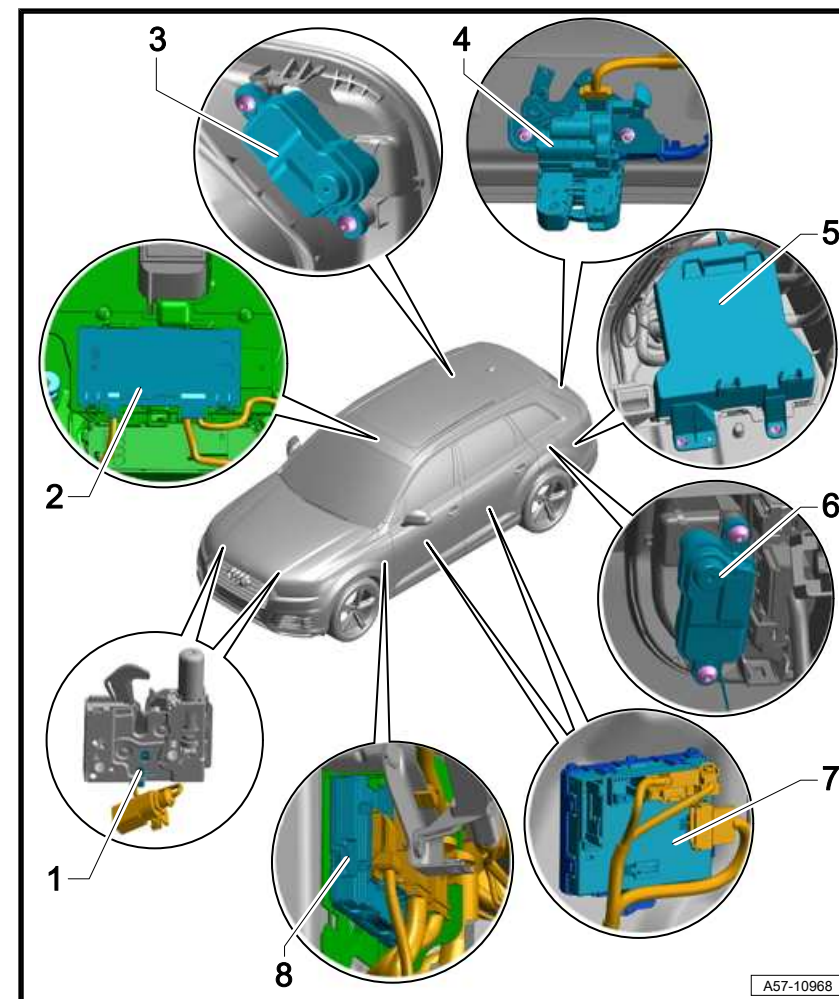
- 1 - Loading sill lowering control head -E682-
- 1 - Load level button -E539-
- 1 - Power pivoting trailer hitch button -E474-
- 2 - Left front level control system sensor -G78-
- 2 - Right front level control sensor -G289-
- 3 - Left rear level control system sensor -G76-
- 3 - Right rear level control system sensor -G77-
- 4 - Level control system compressor electronics -J1135-
- 5 - Adaptive suspension valve block -NX7-
- 5 - Level control pressure sensor -G291-
- 5 - Left front suspension strut valve -N148-
- 5 - Right front suspension strut valve -N149-
- 5 - Left rear suspension strut valve -N150-
- 5 - Right rear suspension strut valve -N151-
- 5 - Level control accumulator valve -N311-
- 6 - Level control system compressor motor -V66-
- 6 - Level control system solenoid -N111-



1 Comp. Loc. Central Locking

1.1 Central Locking

- 1 - Engine hood contact switch -F266-
- 1 - Hood contact switch 2 -F329-
- 2 - Anti-theft alarm system sensor -G578-
- 3 - Fuel filler door lock motor -V155-
- 4 - Rear lid central locking system motor -V53-
- 4 - Rear lid alarm switch -F123-
- 5 - Comfort system central control module J393
- 6 - High-voltage charge door lock 1 adjuster -F496- , if equipped
- 7 - Driver door control module J386
- 7 - Front passenger door control module J387
- 7 - Driver side rear door control module J926
- 7 - Passenger side rear door control module J927
- 8 - Vehicle electrical system control module J519



1 Comp. Loc. Comfort

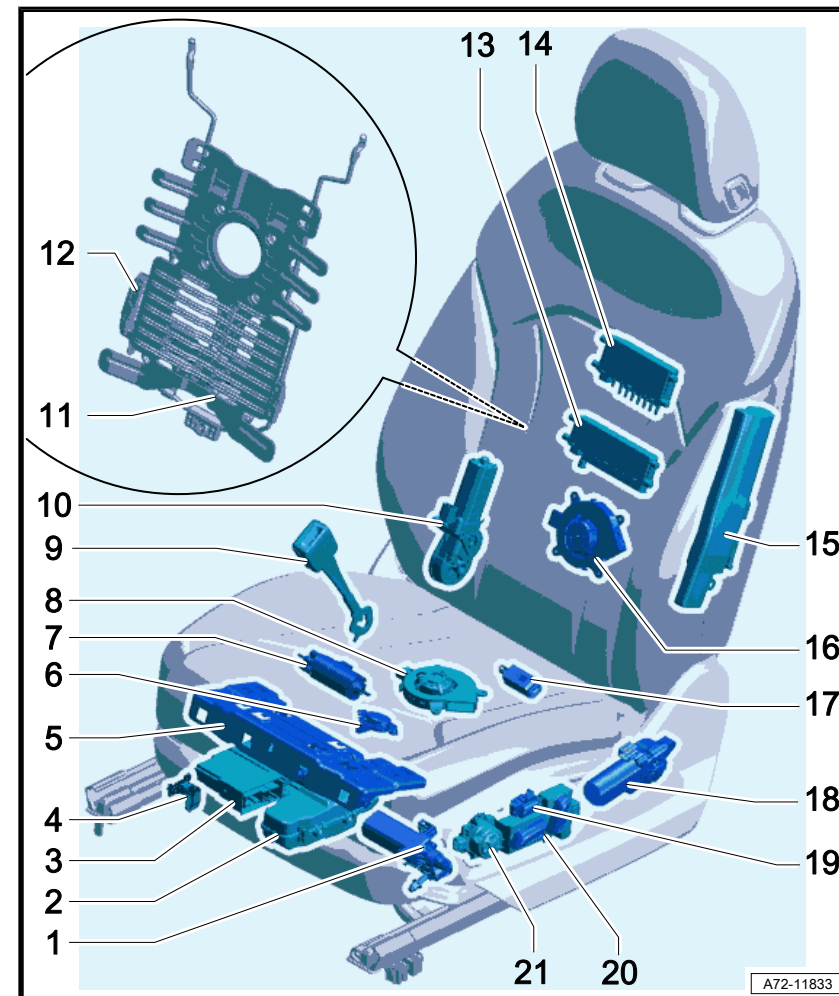
1.1 Seat



Note

Left seat shown, right seat similar

- 1 - Driver seat angle adjustment motor -V243-
- 1 - Front passenger seat angle adjustment motor -V244-
- 2 - Driver multi-contour seat compressor -V439-
- 2 - Front passenger multi-contour seat compressor -V440-
- 3 - Memory seat/steering column adjustment control module J136
- 3 - Driver multi-contour seat control module J873
- 3 - Front passenger memory seat control module J521
- 3 - Front passenger multi-contour seat control module J872
- 4 - Driver seat position sensor -G553-
- 4 - Front passenger seat position sensor -G554-
- 5 - Driver seat depth adjustment motor -V256-
- 5 - Front passenger seat depth adjustment motor -V257-
- 6 - Front passenger occupant detection sensor -G128-
- 7 - Driver seat forward/back adjustment motor -V28-
- 7 - Front passenger seat forward/back adjustment motor -V31-
- 8 - Driver seat cushion blower fan -V390-
- 8 - Front passenger seat cushion blower fan -V391-
- 9 - Driver seat belt switch -E24-
- 9 - Front passenger seat belt switch -E25-
- 10 - Driver backrest adjustment motor -V45-
- 10 - Front passenger backrest adjustment motor -V46-
- 11 - Driver seat lumbar support height adjustment motor -V129-
- 11 - Front passenger seat lumbar support height adjustment motor -V130-
- 12 - Driver seat lumbar support curvature adjustment motor -V125-
- 12 - Front passenger seat lumbar support curvature adjustment motor -V126-
- 13 - Valve block 1 in driver seat -N475-
- 13 - Valve block 1 in front passenger seat -N477-
- 14 - Valve block 2 in driver seat -N476-
- 14 - Valve block 2 in front passenger seat -N478-



- 15 - Driver thorax airbag igniter N199
- 15 - Front passenger thorax airbag igniter N200
- 16 - Driver seat backrest blower fan -V388-
- 16 - Front passenger seat backrest blower fan -V389-
- 18 - Driver seat height adjustment motor -V245-
- 18 - Front passenger seat height adjustment motor -V246-
- 19 - Driver side massage function button -E670-
- 19 - Front passenger massage function button -E671-
- 20 - Driver seat switch module -E663-
- 20 - Front passenger seat switch module -E664-
- 21 - Driver seat lumbar support adjustment switch -E176-
- 21 - Front passenger seat lumbar support adjustment switch -E177-