

ACCESSORIES & EQUIPMENT**Passenger Protection, Airbags, Seat Belts (Sedan)****PASSENGER PROTECTION, AIRBAGS, SEAT BELTS****GENERAL INFORMATION****GENERAL SAFETY PRECAUTIONS****NOTE: Pyrotechnic components:**

- Airbag units
- Belt tensioner
- Belt force limiter (depending on equipment)
- Battery cut-off components (depending on equipment)

General

- Testing, removing, installing and repair work may only be performed by qualified personnel.
- There is no change interval for airbag units.
- Never test with a test light, volt meter or ohm meter.
- The pyrotechnic components may be checked only when they are installed and with a Volkswagen approved vehicle diagnosis, testing and information system.
- When working on pyrotechnic components and on the airbag control module -J234-, the battery ground cable must be disconnected WITH THE IGNITION SWITCHED ON. Then cover the negative pole.
- Wait for 10 seconds after disconnecting the battery.
- Connect the battery with the ignition SWITCHED ON. No one should be sitting inside the vehicle when doing this. Exception: vehicles with the battery inside the passenger compartment. In this case, stay away from the airbags and the safety belts.
- If after reconnecting the battery, the ignition does not turn on - indicator lamp in the instrument cluster does not illuminate - keep head and arms far away from the steering wheel and the installed knee airbag if possible, so that they are not near the airbags and the safety belts during the first attempt to start the ignition.
- Observe measures after the battery is connected. Refer to **[For engine(s) CAEB, CALA, CCBA]**
Removal and Installation .
- Before handling pyrotechnic components of the restraint system, for example, before disconnecting the electrical harness connector, the relevant person must discharge static electricity. Touching grounded metal parts, for example, touching the door striker, will discharge the static electricity.
- Wash hands after touching ignited restraint system pyrotechnic components.
- Pyrotechnic components may not be opened nor repaired; always use new parts (risk of injury).
- Pyrotechnic components that have fallen onto a hard surface or show signs of damage must not be installed in vehicle.

- Pyrotechnic components should be installed immediately upon removal from shipping package.
- If the work must be stopped for awhile, put the pyrotechnic component back into its shipping package.
- Do not leave the pyrotechnic component out unattended.
- When connecting restraint system pyrotechnic components, only the person performing the work should be in the vehicle.
- Do not use any grease or cleaning solutions on pyrotechnic components.
- Replace the airbag units if any contaminants such as oil, grease, paint, dye or cleaning solution have penetrated the fabric.
- Pyrotechnic components must not be exposed to temperatures over 100 °C, even for a short time.

Special information regarding the driver and front passenger airbags

- Store the driver and front passenger airbag units in the uninstalled state so that the cushioned side faces upward.

When replacing airbag units, following sequence must be followed exactly:

1. Remove the old airbag unit and store with the upholstered side facing up.
2. Remove the new airbag unit from the transport container and store it with the upholstered side facing up.
3. Place the old airbag unit in the transport container immediately.
4. Install the new airbag unit in the vehicle.

Belt Tensioner, Special Instructions

- Use extreme care when removing and installing belt tensioners. Handling belt tensioner units improperly is very dangerous and could result in serious personal injury.
- Belt tensioners that are mechanically damaged (dents, cracks) must always be replaced.
- The open end of the belt tensioner should never be pointed at anyone.
- When connecting a belt tensioner, all mechanical parts, including those in the three-point seat belt, must be secured correctly. If it is not possible to connect the belt tensioner because of insufficient space, the seat belt must be rolled up completely prior to connection. In this case there is no increased safety risk, if all other safety instructions are followed. In particular, this includes the notes regarding the disconnection of the battery and the static discharging of the technician prior to connection of the belt tensioner.
- Even after a crash, it is possible that the belt tensioner did ignite, but the belt force limiter did NOT ignite. These parts shall be treated like non-ignited parts!

AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING

- Storage must conform to national legislation.
- Transport must conform to national and international guidelines, whereby packaging, identification and shipping documents are controlled to the greatest detail.
- Undeployed pyrotechnic components must be disposed of in an orderly manner, conforming to national legislation, in their original packaging! Direct questions to your importer!

- Only pyrotechnic components, which have been ignited completely, may be disposed in industrial waste.

WARNING:

- **This does not apply to Wankel pre-load belt tensioners. Handle these as if they were undeployed pyrotechnic components such as airbags, seat belts and pyrotechnic battery disconnect components.**
- **Workshop equipment cannot determine if Wankel belt tensioners have deployed all pyrotechnic materials.**

FRONT SIDE AIRBAG CRASH SENSORS (PRESSURE SENSORS) SAFETY PRECAUTIONS

The side airbag crash sensors react to changes in pressure, so they must be handled carefully. Keep in mind the following points:

- Always use the correct installation position and only install in the location intended in the doors.
- Protect crash sensors from being impacted or struck. Crash sensors that have fallen to the ground must not be used again. Remove the crash sensor when working on the door.
- The crash sensor is calibrated to the volume of air inside the door. If the door is deformed resulting in a reduced air space inside the door, the function of the crash sensor will be affected.
- Keep all contaminants away from crash sensor: do not use compressed air near the crash sensor. Protect the crash sensor from filings or shavings, for example, when installing door speakers later. Do not use cavity sealant or spray oil in the crash sensor area.
- Protections against heat/cold: Avoid using heat, for example by painting or other body work. Do not expose the crash sensors to temperatures below -40 °C (-40 °F), for example in non-climatized airplane cargo holds.
- Protect crash sensor from moisture when storing and installing.

The door must seal correctly to ensure the crash sensor functions correctly. Note the following points:

- All components (for example, cover, speaker, door trim) must be installed correctly.
- The door trim clips seal the system closed. Replace the clips if necessary.

HEAD CURTAIN AIRBAG ADDITIONAL SAFETY PRECAUTIONS

- Visually check trim for damage before installing.
- Do not make any repairs to the trims (upper A-pillar trim, B-pillar trim, C-pillar trim, and D-pillar trim).
- Ensure secure trim seating when installing.
- Replace entire module when making repairs behind side curtain airbag.
- Handle head curtain airbag modules with great care when removing and installing them to prevent causing any damage.
- Place any removed head curtain airbag modules back in their transport containers or on a clean and even surface with a cloth underneath.
- After servicing the body in the vicinity of the head curtain airbag, check the body for welding beads, deformation and chafe marks (compare with opposite side of vehicle if necessary).

- As long as the gas generator is NOT attached, hold it securely when transporting, removing, installing, etc.
- Never rotate, coil, knot, throw, slide, push, hang, squeeze, press, pinch or clamp head curtain airbag module.
- They may be folded as long as this does not damage them, especially the protective sleeve.

PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS

- After each repair to the front passenger seat where the seat or backrest cover was removed, a basic setting of the passenger occupant detection system control module must be performed using the Vehicle Diagnostic Tester.
- Do not bend the passenger occupant detection system mat.
- A leaking mat must be replaced (service kit).
- Do not bend the passenger occupant detection system pressure hose.
- Make sure the components of the passenger occupant detection system do not fall onto hard surfaces, do not come into contact with grease and do not risk damage by resting against sharp objects.
- The mat, the crease and various covers must be fitted to be free of folds.
- Ensure the seat upholstery and cover are positioned correctly when installing.
- Replace all upholstery clips or clips and make sure they are positioned correctly on the seat.
- The system basic setting can be performed at temperatures between 0°C and 40°C (32°F and 104°F) with 8.R and 9.* airbags. The temperature must be between 5°C and 35°C (41°F and 95°F) with 10.* airbags.
- Make sure that no objects are placed on seat when performing basic setting.
- The use of additional seat cushions such as pillows impairs the function of the seat occupant detection system and the operation of the airbag system.

SIDE AIRBAG ADDITIONAL SAFETY PRECAUTIONS

- We recommend using original equipment seat covers.
- Seat covers or extra covers that are not approved specially for use on Audi seats with side airbags must not be used.
- Do not cut the backrest material in side airbag area.
- When installing, seam in side airbag region must run straight.
- All upholstery clips must be replaced (metal and plastic clips).
- We recommend using original upholstery clips.
- During installation, all upholstery clips must be placed in the same place as when removed.
- If cover is damaged (with rips, burned holes, etc.) in side airbag region, it must be replaced for safety reasons so that airbag deploys correctly.
- Do not repair the backrest cover in the side airbag area (because of special materials and strictly defined seams).
- Always replace the backrest upholstery if the side airbag deploys.
- All components, which were damaged in a crash, must be replaced. If the airbag unit appears to be undamaged, it may be used again.

- If thorax airbag units are replaced, the new thorax airbag number sticker should be removed and placed over the old sticker on the seat pan.
- Do not poke the cover with an upholstery needle or other sharp objects in the region of the airbag, front passenger seat occupant sensor -G128- and passenger occupant detection system mat.

DESCRIPTION AND OPERATION

AIRBAG CONTROL MODULE OVERVIEW

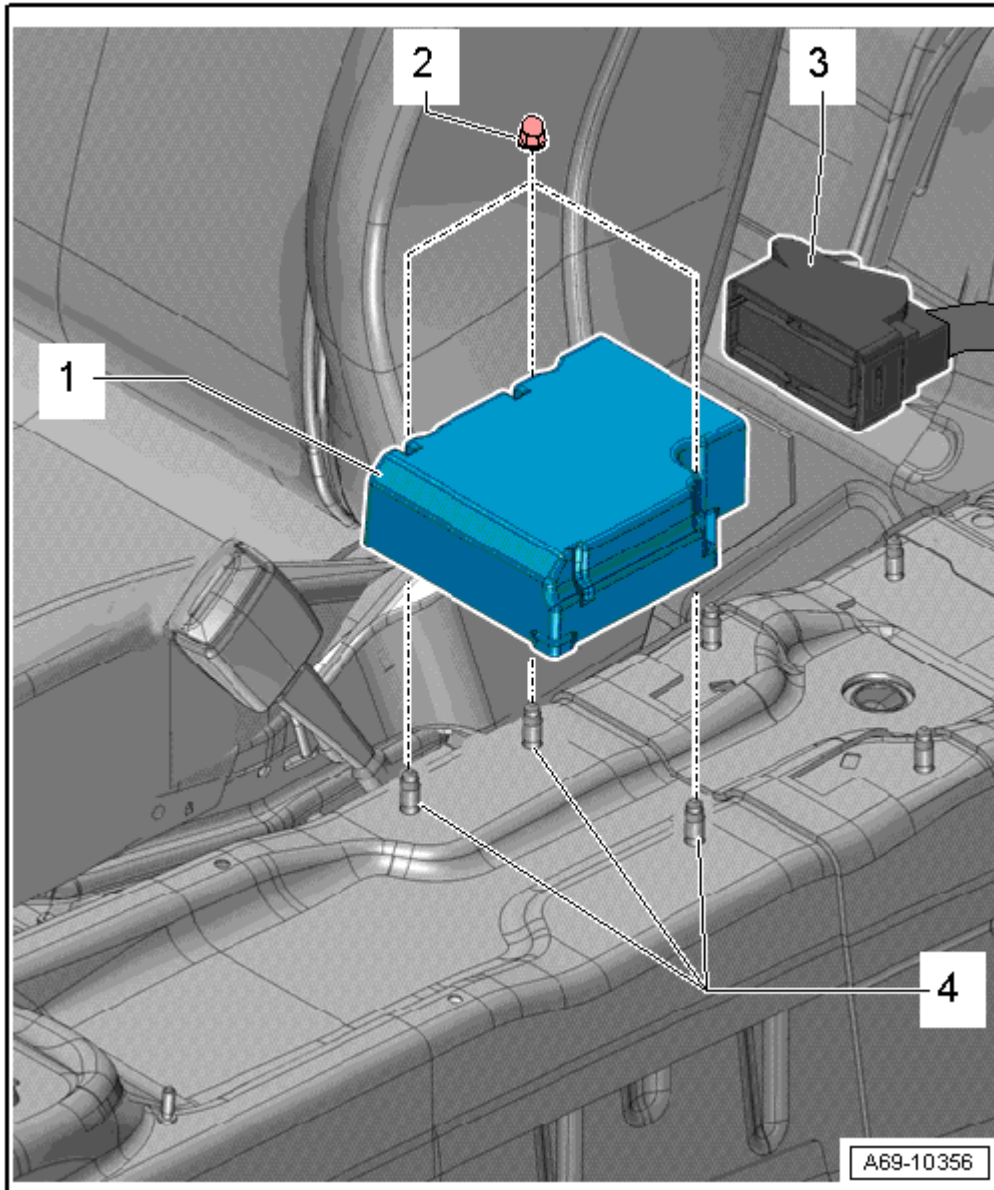


Fig. 1: Airbag Control Module Overview
Courtesy of AUDI OF AMERICA, LLC

1. Airbag Control Module -J234-

- Removing and installing, refer to **Airbag Control Module -J234-**
- Control module is grounded via the housing with the body.

2. Nut

- Quantity: 3
- 9 Nm
- The thread must be paint and contaminant free, nut and ground bolts serve as ground connection for the control module.

3. Connector

4. Threaded pins

- The thread must be paint and contaminant free, nut and ground bolts serve as ground connection for the control module.

AIRBAG CRASH SENSORS OVERVIEW

NOTE: **The crash sensors in the Sedan are illustrated.**

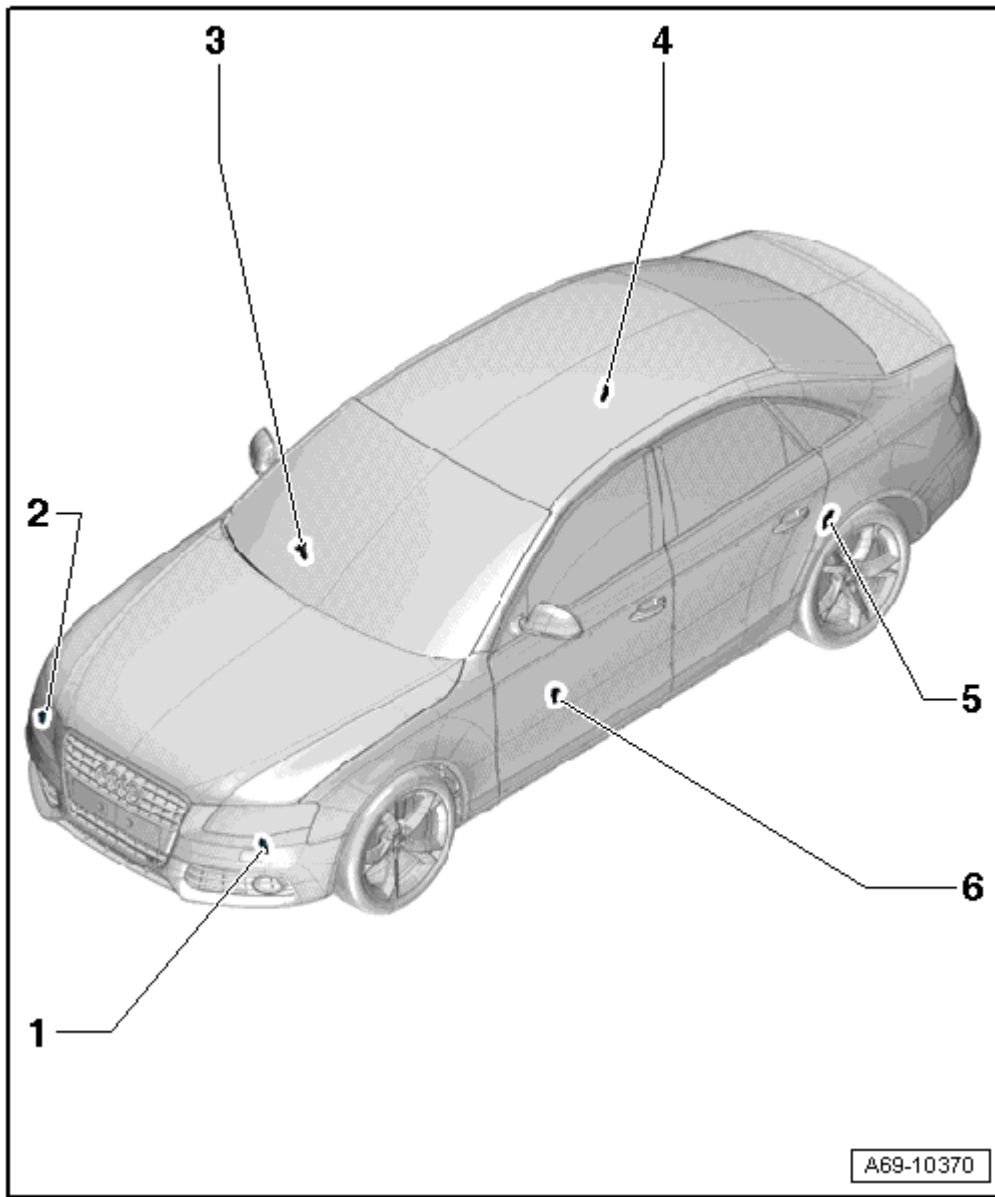


Fig. 2: Airbag Crash Sensors Overview

Courtesy of AUDI OF AMERICA, LLC

1. Driver Front Airbag Crash Sensor -G283-
 - Installation location: on the headlamp housing bracket
 - Removing and installing, refer to **FRONT AIRBAG CRASH SENSOR**
 - 9 Nm
2. Passenger Side Front Airbag Crash Sensor -G284-
 - Installation location: on the headlamp housing bracket
 - Removing and installing, refer to **FRONT AIRBAG CRASH SENSOR**
 - 9 Nm
3. Front Passenger Side Airbag Crash Sensor -G180-

- Installation location: in the door
 - Removing and installing, refer to **FRONT SIDE AIRBAG CRASH SENSOR**
 - Safety precautions for working with front side airbag crash sensors (pressure sensors) **FRONT SIDE AIRBAG CRASH SENSORS (PRESSURE SENSORS) SAFETY PRECAUTIONS**
 - 5 Nm
4. Passenger Side Rear Side Airbag Crash Sensor -G257-
- Component location: on the inside of the wheel housing behind the side upholstery
 - Removing and installing, refer to **REAR SIDE AIRBAG CRASH SENSOR**
 - 9 Nm
5. Driver Side Rear Side Airbag Crash Sensor -G256-
- Component location: on the inside of the wheel housing behind the side upholstery
 - Removing and installing, refer to **REAR SIDE AIRBAG CRASH SENSOR**
 - 9 Nm
6. Driver Side Airbag Crash Sensor -G179-
- Installation location: in the door
 - Removing and installing, refer to **FRONT SIDE AIRBAG CRASH SENSOR**
 - Safety precautions for working with front side airbag crash sensors (pressure sensors) **FRONT SIDE AIRBAG CRASH SENSORS (PRESSURE SENSORS) SAFETY PRECAUTIONS**
 - 5 Nm

AIRBAG SYSTEM COMPONENT LOCATION OVERVIEW

NOTE: The installation locations in the Sedan are illustrated.

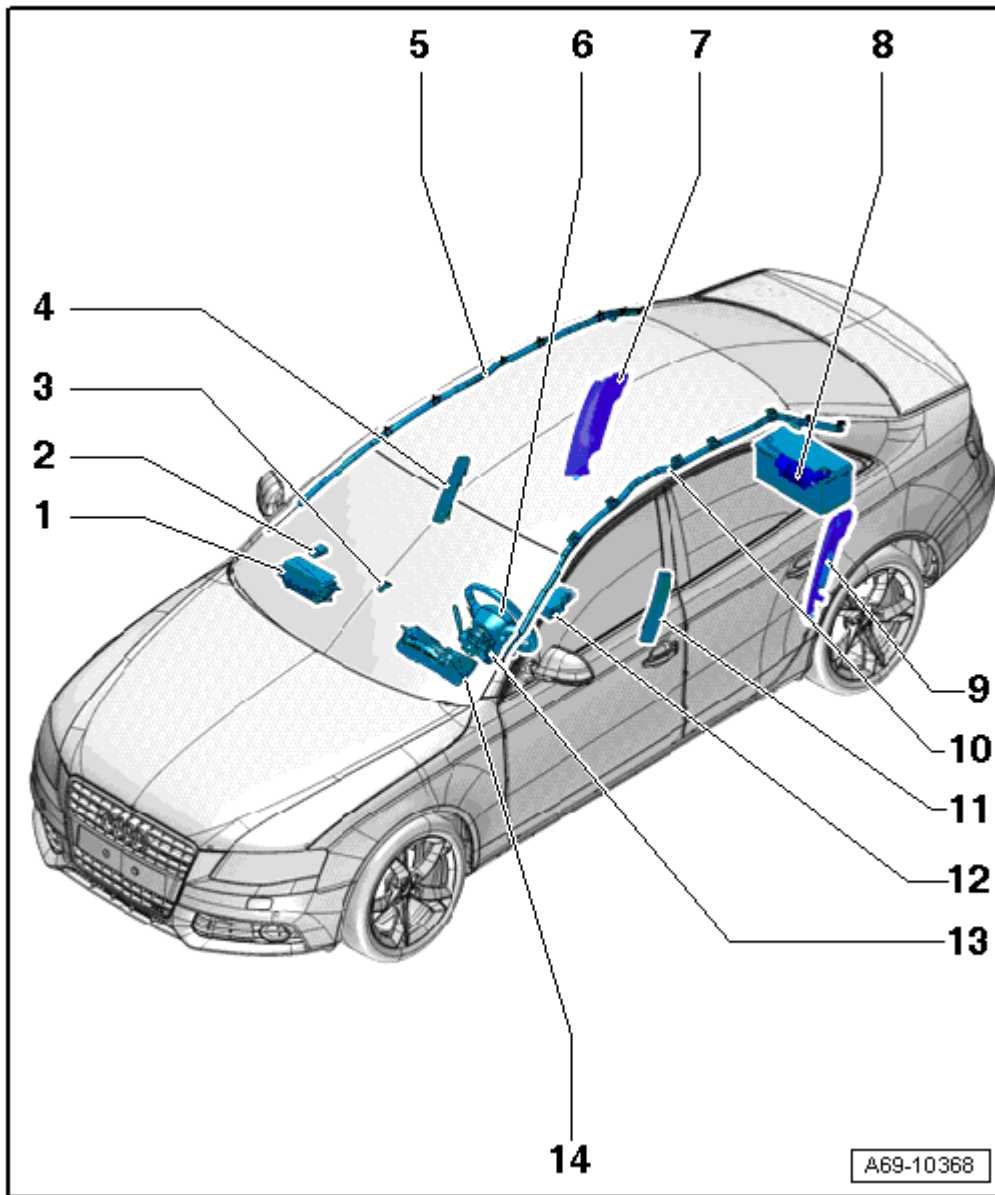


Fig. 3: Airbag System Component Location Overview

Courtesy of AUDI OF AMERICA, LLC

1. Front Passenger Airbag
 - With front passenger airbag igniter 1 -N131-
 - With front passenger airbag igniter 2 -N132- depending on the date of manufacture.
 - Assembly overview, refer to **PASSENGER AIRBAG OVERVIEW**
 - Removing and installing, refer to **FRONT PASSENGER AIRBAG UNIT WITH IGNITERS - N131- / -N132-**
2. Front Passenger Airbag -Off- Key Switch -E224-
 - Does not apply to NAR market.
3. Front Passenger Airbag -Disabled- Indicator Lamp -K145-

- Located in a shared housing with the emergency flasher button -E229-
 - Removing and installing, refer to **Front Passenger Airbag -Disabled- Indicator Lamp -K145-**
4. Side Airbag, Front Passenger Side
 - with the front passenger thorax airbag igniter -N200-
 - Assembly overview, refer to **FRONT SIDE AIRBAG OVERVIEW**
 - Removing and installing, refer to **FRONT THORAX AIRBAG IGNITER -N199- / -N200-**
 5. Front Passenger Side Curtain Airbag
 - With the front passenger head curtain airbag igniter -N252-
 - Assembly overview: Sedan, refer to **HEAD CURTAIN AIRBAG OVERVIEW**; Avant, refer to
 - Removal and installation: Sedan, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-**; Avant, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-, AVANT**
 6. Driver Side Airbag
 - With the driver airbag igniter -N95- and driver airbag igniter 2 -N250-
 - Assembly overview, refer to **DRIVER AIRBAG OVERVIEW**
 - Removing and installing, refer to **DRIVER AIRBAG IGNITERS -N95- / -N250-**
 7. Rear Passenger Side Airbag
 - Vehicles with special equipment
 - With the passenger side rear thorax airbag igniter -N202-
 - Foldable rear seat backrest assembly overview, refer to **REAR SIDE AIRBAG OVERVIEW**
 - Removing and installing, refer to **DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-**
 8. Battery Interrupt Igniter -N253-
 - Assembly overview, refer to **BATTERY INTERRUPT IGNITER - N253- OVERVIEW**
 - Removing and installing, refer to **BATTERY INTERRUPT IGNITER -N253-**
 9. Rear Driver Side Airbag
 - Vehicles with special equipment
 - With the driver side rear thorax airbag igniter -N201-
 - Foldable rear seat backrest assembly overview, refer to **REAR SIDE AIRBAG OVERVIEW**
 - Removing and installing, refer to **DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-**
 10. Driver Side Curtain Airbag
 - With the Driver head curtain airbag igniter -N251-
 - Assembly overview: sedan **HEAD CURTAIN AIRBAG OVERVIEW**; Avant
 - Removal and installation: Sedan, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-**; Avant, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-, AVANT**
 11. Side Airbag, Driver Side
 - With the driver thorax airbag igniter -N199-

- Assembly overview, refer to **FRONT SIDE AIRBAG OVERVIEW**
 - Removing and installing, refer to **FRONT THORAX AIRBAG IGNITER -N199- / -N200-**
12. Airbag Control Module -J234-
- Assembly overview, refer to **AIRBAG CONTROL MODULE OVERVIEW**
 - Removing and installing, refer to **AIRBAG CONTROL MODULE -J234-**
13. Steering Column Electronics Control Module -J527-
- With the airbag spiral spring/return spring with slip ring -F138- and steering angle sensor -G85-
 - Removing and installing, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**
14. Airbag Malfunction Indicator Lamp (MIL) -K75-
- Installed location: inside the instrument cluster; refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**
 - Cannot be replaced separately

BATTERY INTERRUPT IGNITER - N253- OVERVIEW

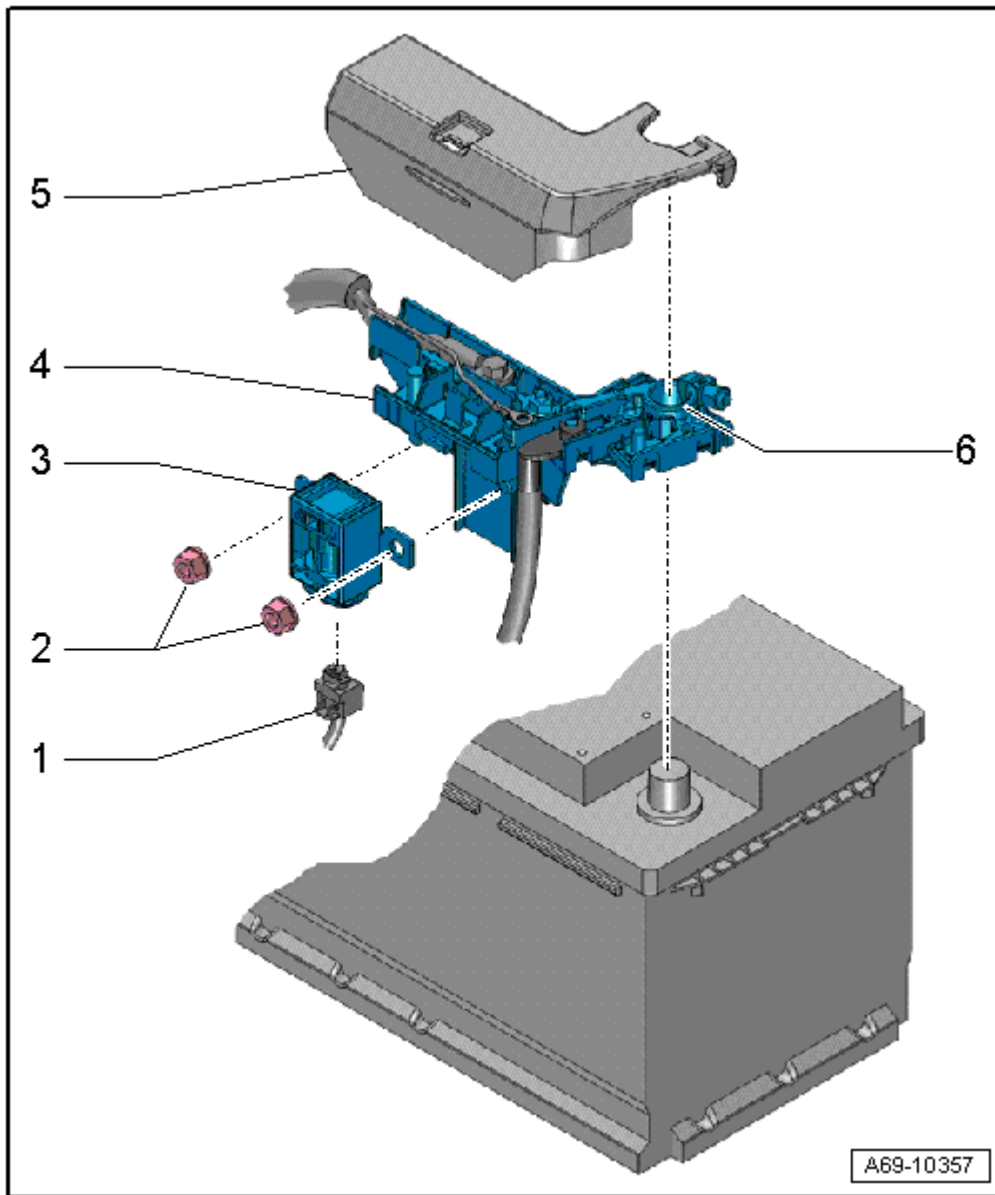


Fig. 4: Battery Interrupt Igniter - N253- Overview

Courtesy of AUDI OF AMERICA, LLC

1. Connector
 - For the battery interrupt igniter -N253-
 - Releasing and removing, refer to **Battery Interrupt Igniter -N253-** =>
2. Nuts
 - 15 Nm
3. Battery Interrupt Igniter -N253-
 - Available only together with -4-
 - Removing and installing, refer to **Battery Interrupt Igniter -N253-**
4. Fuse panel A -SA-

- Available only together with -3-
- Removing and installing, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**

5. Cover

- for the fuse panel A -SA-

6. Positive Terminal Clamp

- Tightening torque **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

CHILD SEAT ANCHORAGES, LATCH AND TOP TETHER

LATCH CHILD SEAT ANCHORAGE, FRONT SEAT OVERVIEW

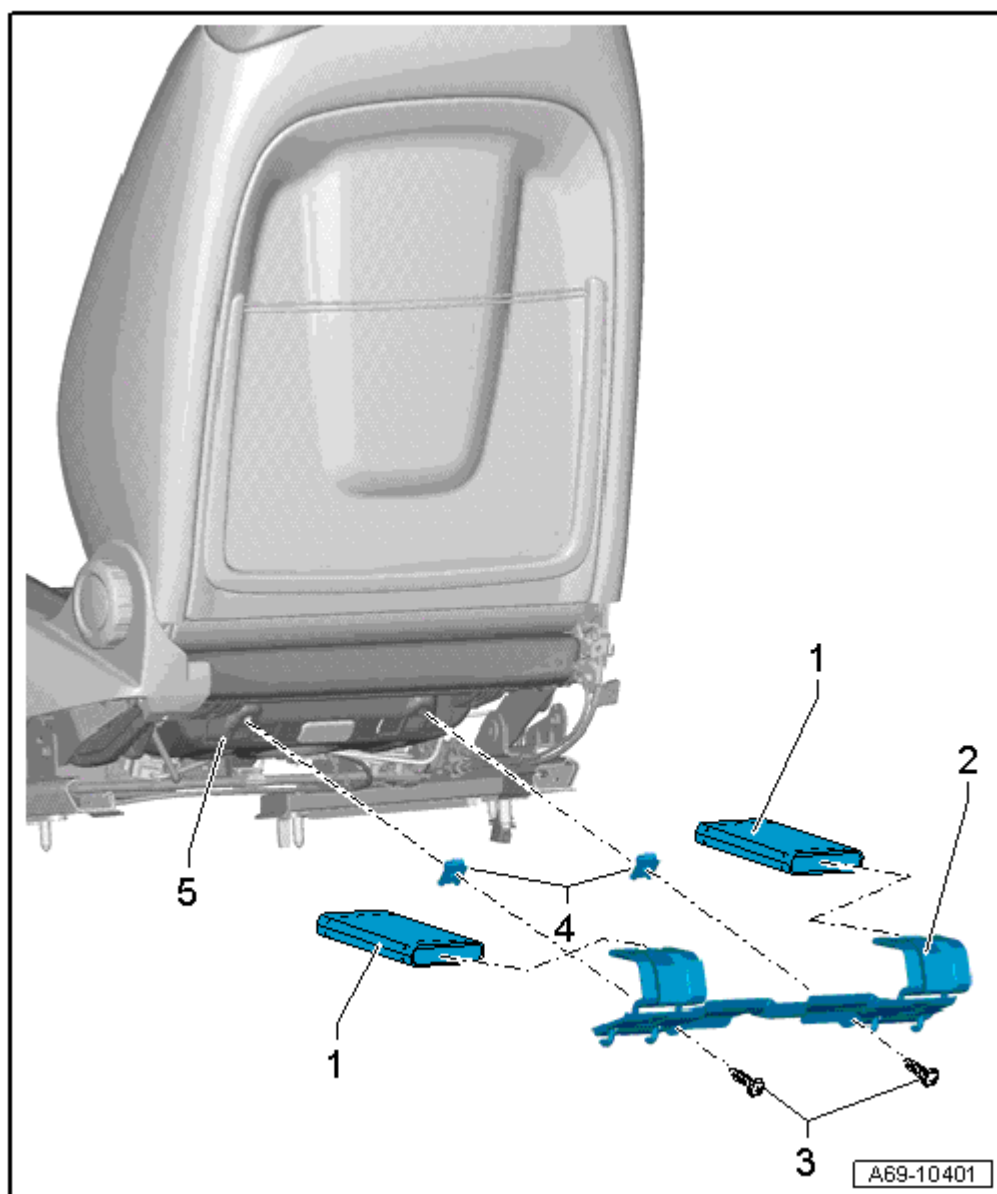


Fig. 5: Latch Child Seat Anchorage, Front Seat Overview
Courtesy of AUDI OF AMERICA, LLC

1. Pocket
 - Quantity: 2
 - Slide onto the bracket
2. Bracket
 - Passenger seat only
 - Bolted with the seat pan
 - Check after accident, refer to **LATCH AND TOP TETHER CHILD SEAT ANCHORAGES (ISOFIX), CHECKING AFTER COLLISION**
 - Replace if damaged
 - Removing and installing, refer to **LATCH CHILD SEAT ANCHORAGE FRONT SEAT**
3. Screws
 - Quantity: 2
 - Replace if bracket is damaged
 - Threaded holes for screws must always be cleaned, for example, with thread cutter
 - Insert with locking compound.
 - 8 Nm
4. Threaded Clip
 - Inserted in the seat pan
 - Replace if bracket is damaged
5. Seat Pan

LATCH CHILD SEAT ANCHOR AND TOP TETHER (ISOFIX), REAR SEAT OVERVIEW, SEDAN

- NOTE:**
- The **LATCH** anchor points are welded to the underbody in the sedan.
 - The tether anchor points are welded to the parcel shelf in the sedan.

LATCH CHILD SEAT ANCHOR AND TOP TETHER (ISOFIX), REAR SEAT OVERVIEW, AVANT

- NOTE:**
- The **LATCH** anchor points are welded to the vehicle floor panel on the vehicle.
 - Removing and installing the top tether anchor points on the Avant is illustrated.

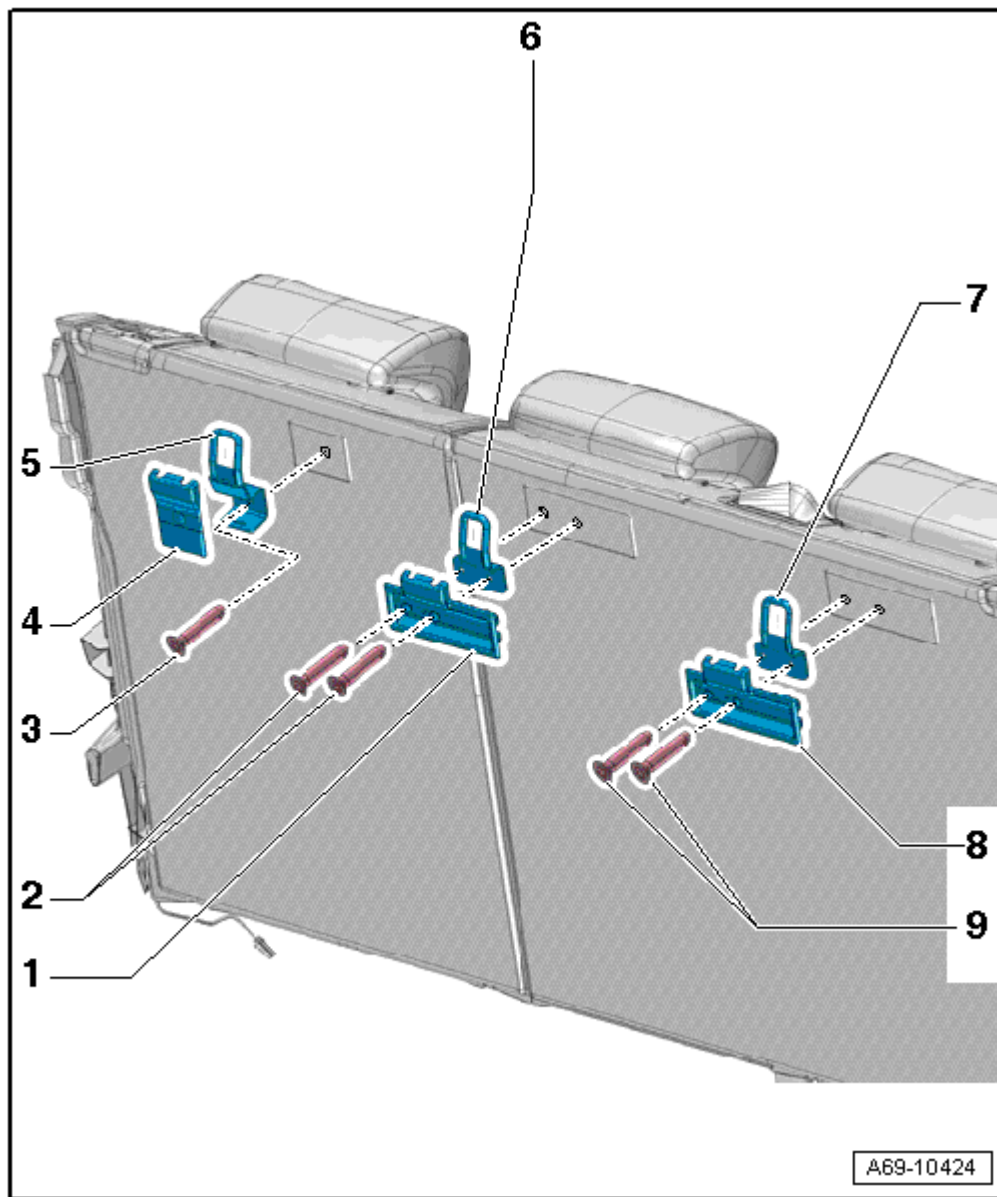
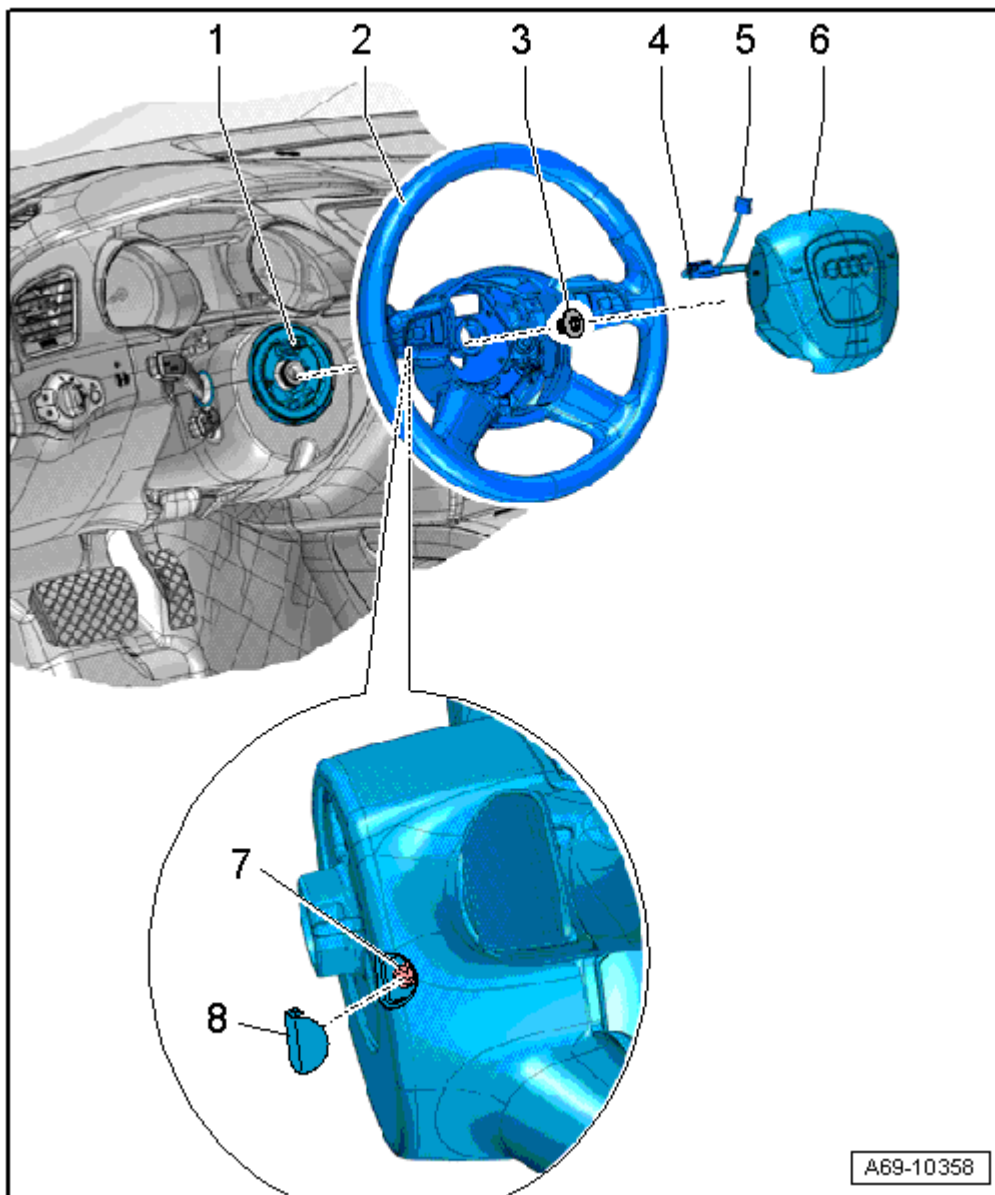


Fig. 6: Latch Child Seat Anchor And Top Tether (Isofix), Rear Seat Overview, Avant
Courtesy of AUDI OF AMERICA, LLC

1. Bracket
 - For the screen separator partition
 - Vehicles with special equipment
2. Bolts
 - 9 Nm
3. Bolt
 - 9 Nm
4. Cover
5. Left Top Tether Retaining Bracket

6. Center Top Tether Retaining Bracket
7. Right Top Tether Retaining Bracket
8. Bracket
 - For the screen separator wall
 - Vehicles with special equipment
9. Bolts
 - 9 Nm

DRIVER AIRBAG OVERVIEW



A69-10358

Fig. 7: Driver Airbag Overview
Courtesy of AUDI OF AMERICA, LLC

1. Steering Column Electronics Control Module -J527-
 - With the airbag spiral spring/return spring with slip ring -F138- and steering angle sensor -G85-
 - Removing and installing, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**
2. Steering Wheel
 - Vehicles with special equipment
 - Removing and installing, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**
3. Bolt
 - For the correct tightening specification, refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation**
4. Connector
 - For the driver airbag igniter -N95- and driver airbag igniter 2 -N250-
 - Replacing, refer to **DRIVER AIRBAG CONNECTOR**
5. Connector
 - For vehicles equipped with a multi-function steering wheel
 - Replacing, refer to **DRIVER AIRBAG CONNECTOR**
6. Driver Side Airbag
 - With the driver airbag igniter -N95- and driver airbag igniter 2 -N250-

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

- Removing and installing, refer to **DRIVER AIRBAG IGNITERS -N95- / -N250-**
7. Bolt
 - Quantity: 2
 - 7 Nm
 8. Cover Cap
 - Quantity: 2
 - For driver side airbag bolt

FRONT SIDE AIRBAG OVERVIEW

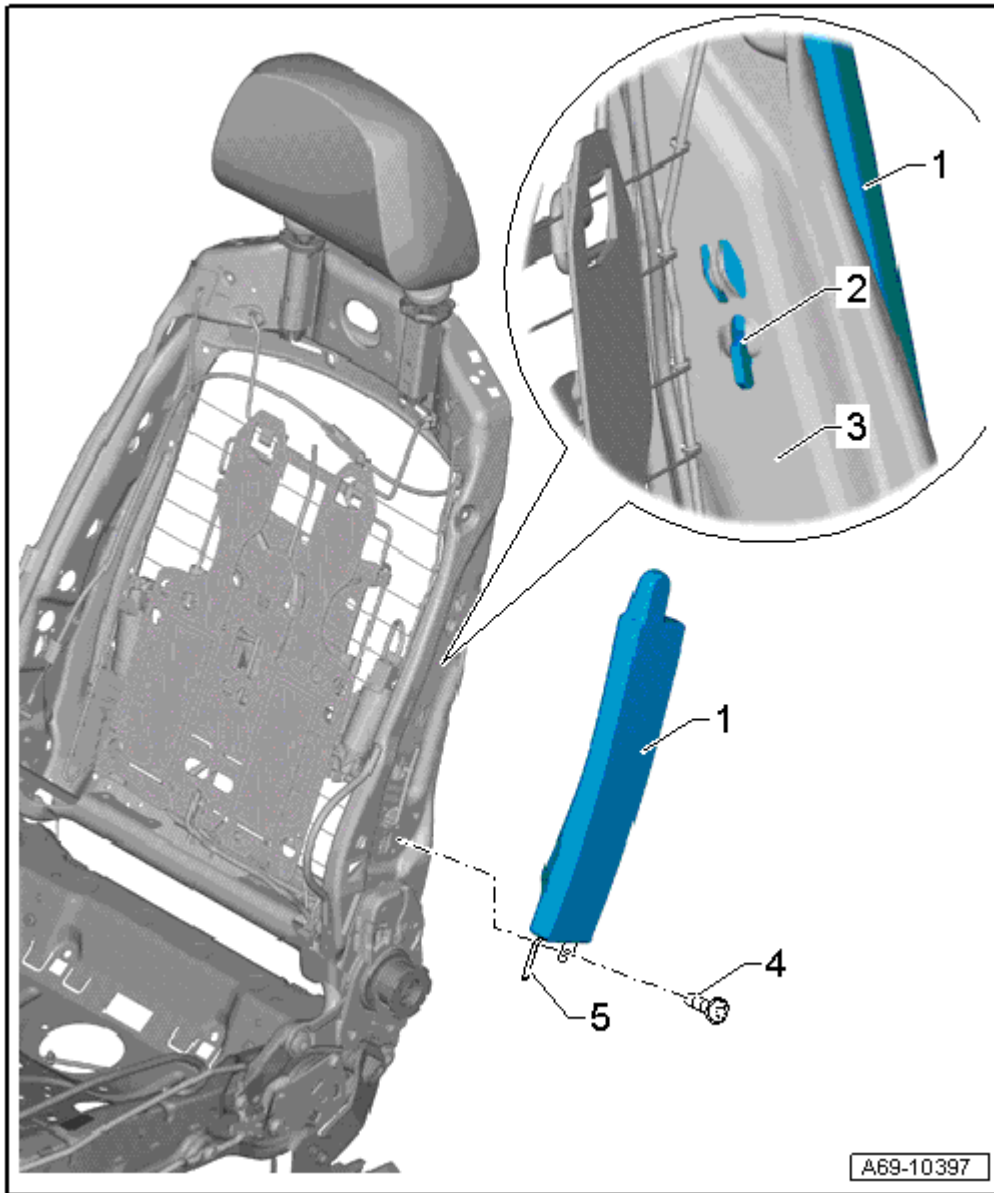


Fig. 8: Front Side Airbag Overview
Courtesy of AUDI OF AMERICA, LLC

1. Front Side Airbag

- Driver side: with the driver thorax airbag igniter -N199-
- Front passenger side: with the front passenger thorax airbag igniter -N200-

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

- Removing and installing, refer to FRONT THORAX AIRBAG IGNITER -N199- / -N200-
- Inserted in the pocket (pocket not shown)

2012 Audi S4

ACCESSORIES & EQUIPMENT Passenger Protection, Airbags, Seat Belts (Sedan)

- Pocket sewn with cover
- 2. Hook
 - For securing the side airbag to the backrest frame
- 3. Backrest Frame
- 4. Bolt
 - Always replace if removed
 - Threaded holes for screws must always be cleaned, for example, with thread cutter
 - Insert with locking compound.
 - 8 Nm
- 5. Wiring Harness
 - Front driver thorax airbag igniter -N199- /front passenger thorax airbag igniter -N200- continuous to the connector station

HEAD CURTAIN AIRBAG OVERVIEW

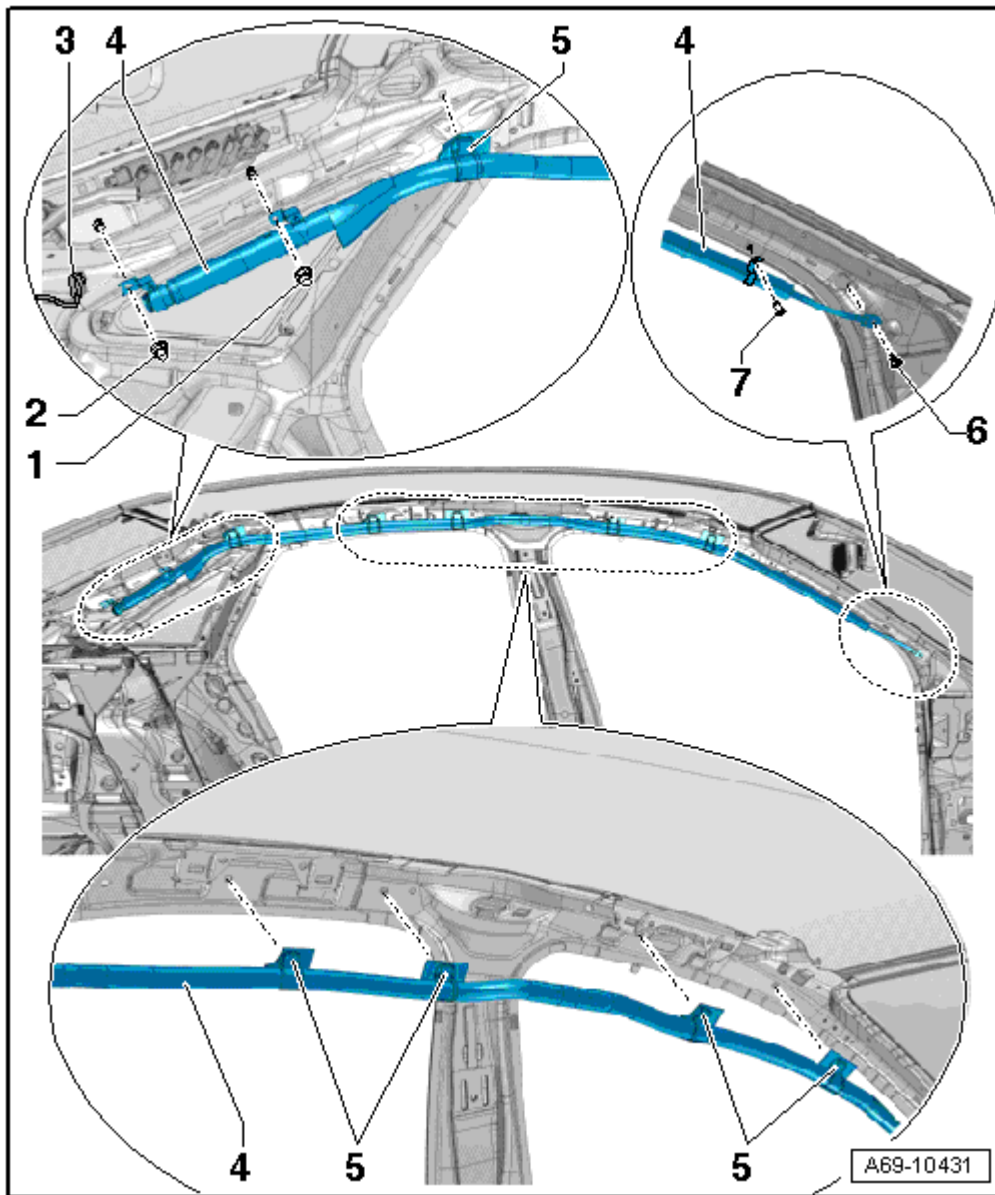


Fig. 9: Head Curtain Airbag Overview
 Courtesy of AUDI OF AMERICA, LLC

1. Nut
 - On ground bolt
 - 9 Nm
2. Nut
 - On ground bolt
 - A ground cable is also bolted to the right side of the vehicle
 - 9 Nm
3. Connector
 - For the driver head curtain airbag igniter -N251- or front passenger head curtain airbag igniter -

N252-

- Disconnecting and connecting, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252- =>**

4. Head Curtain Airbag

- Driver side: with driver head curtain airbag igniter -N251-
- Passenger side: with front passenger head curtain airbag igniter -N252-

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

- Removing and installing, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-**

5. Retaining Clip

- Removing and installing, refer to **HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252- =>**

6. Bolt

- Self-locking
- Always replace if removed
- Threaded holes for screws must always be cleaned, for example, with thread cutter
- 3.5 Nm

7. Clip

- Quantity 1 or 2 depending on the version
- Replace
- With a factory installed mount with 1 clip and double adhesive tape, use 2 clips for reinstalling.

PASSENGER AIRBAG OVERVIEW

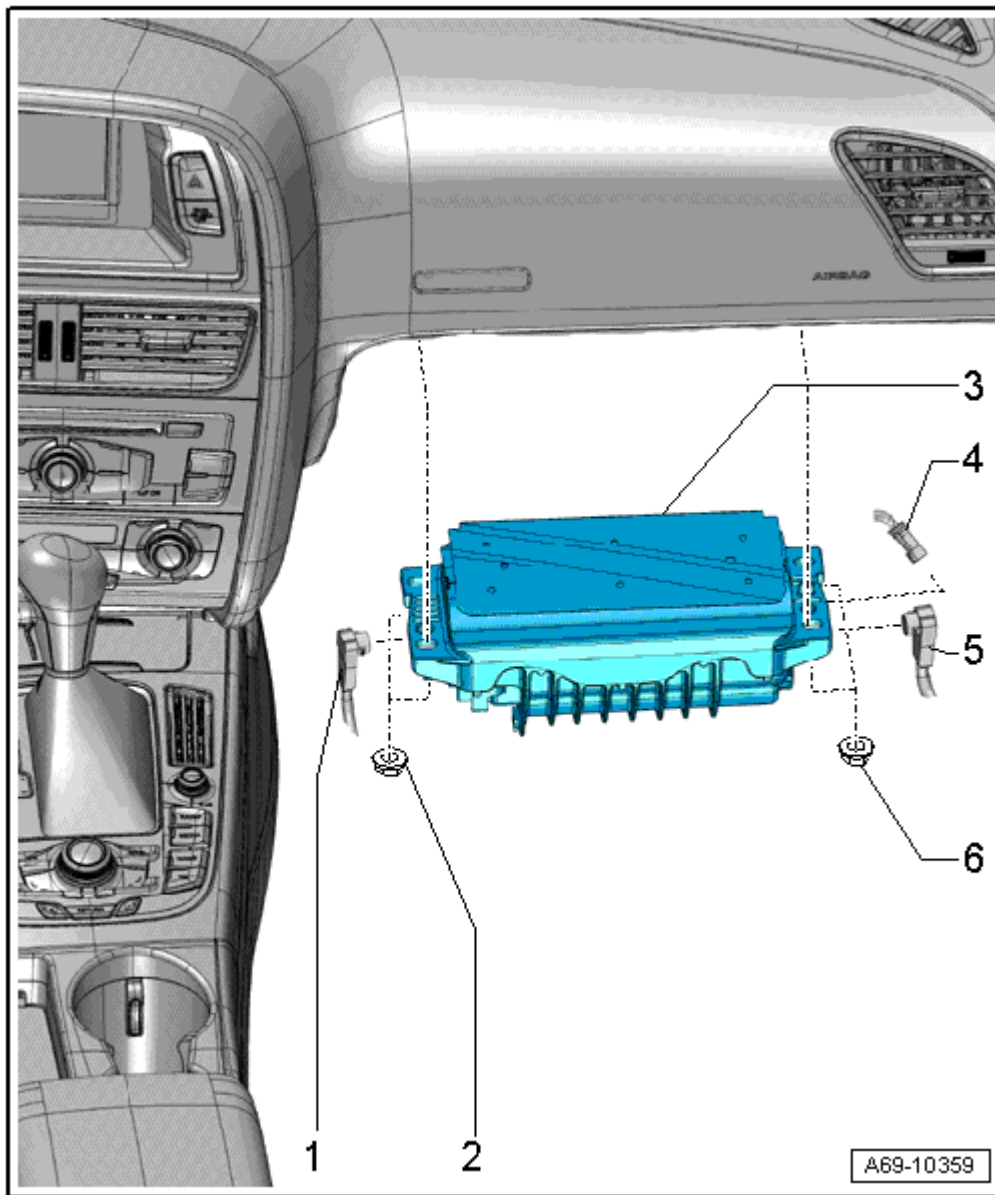


Fig. 10: Passenger Airbag Overview

Courtesy of AUDI OF AMERICA, LLC

1. Connector
 - For the front passenger airbag igniter 2 -N132-
2. Nut
 - Quantity: 2
 - Always replace if removed
 - 8 Nm
3. Front Passenger Airbag
 - With the front passenger airbag igniter 1 - N131- and front passenger airbag igniter 2 - N132-

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow the allocation of the airbag unit to the instrument panel.
-
- Locking and activating possible with key switch
 - Removing and installing, refer to FRONT PASSENGER AIRBAG UNIT WITH IGNITERS - N131- / -N132-

NOTE:

Starting in calendar week 45/2010, the igniter 2 shall be dropped from vehicles for the rest of the world except the USA.

4. Ground Wire
5. Connector
 - For the front passenger airbag igniter 1 -N131-
6. Nut
 - Quantity: 2
 - Always replace if removed
 - 8 Nm

PASSENGER SEAT OCCUPANT RECOGNITION OVERVIEW

WARNING: The passenger occupant detection system service kit is precalibrated and must not be disconnected. The service kit consists of:

- Passenger Occupant Detection System Control Module -J706
- Passenger Occupant Detection System Pressure Sensor -G452
- Passive Occupant Detection System Mat
- Seat Cushion
- Wiring Harness: between the passenger occupant detection system control module -J706 and passenger occupant detection system pressure sensor -G452.

WARNING: Follow all safety precautions when working on the passenger occupant detection system. Refer to PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS.

NOTE:

The passenger occupant detection system is only installed in the front passenger seat.

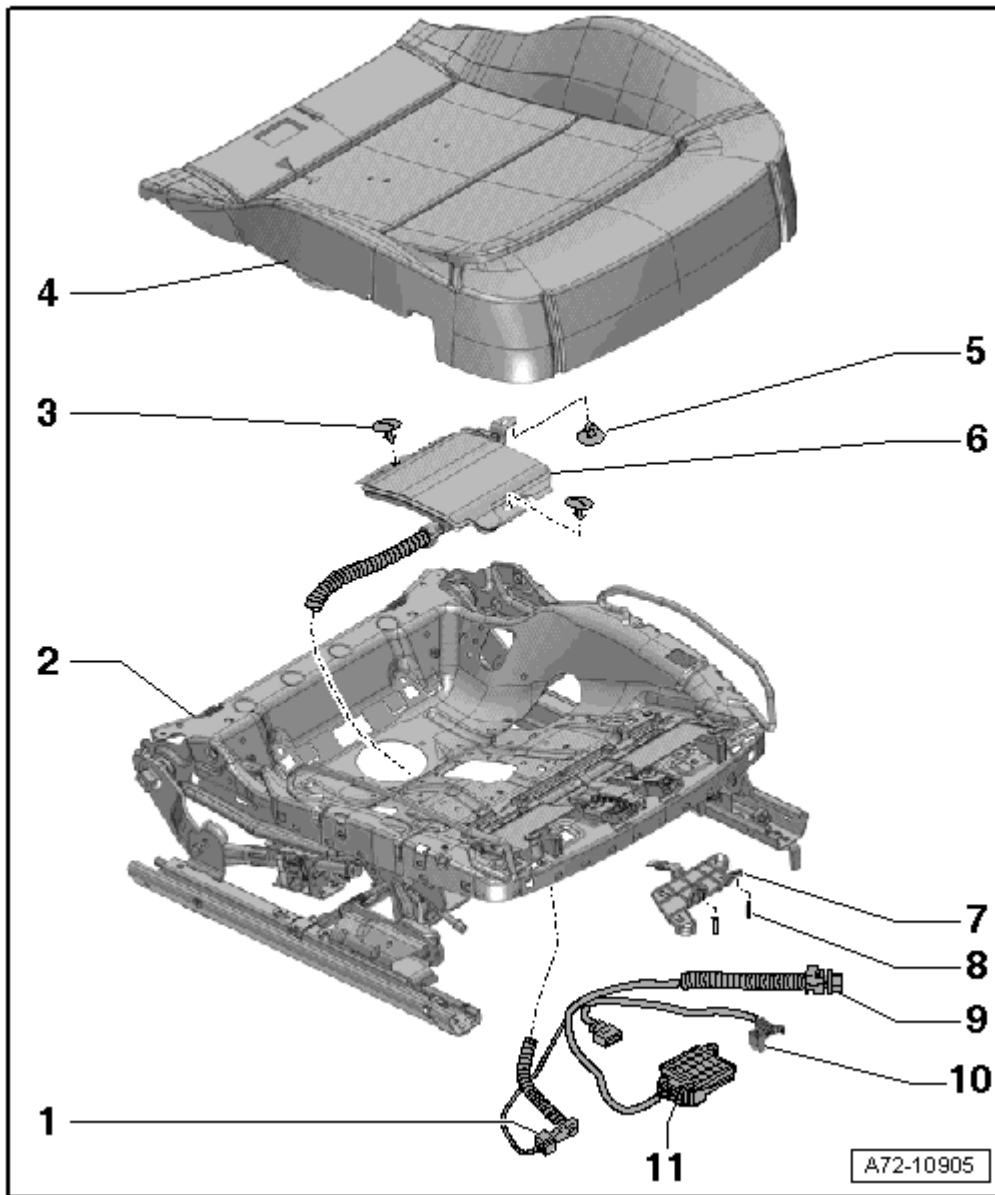


Fig. 11: Identifying Assembly Overview: Passenger Occupant Detection System
 Courtesy of AUDI OF AMERICA, LLC

1. Passenger Occupant Detection System Pressure Sensor -G452-
 - Is a component with the seat occupied recognition mat
 - Removing and installing, refer to **PASSENGER OCCUPANT DETECTION SYSTEM**
 - Do not disconnect the electrical connector
2. Seat Pan
3. Retaining Clip
4. Cushion
 - For seat pan
 - Do not separate from the seat occupied recognition mat -6-

5. Retaining Clip
 - Do not release
6. Mat
 - For seat occupied recognition
 - Is a component with the passenger occupant detection system pressure sensor -G452-
 - Do not separate from the seat pan upholstery -4-
 - Removing and installing, refer to **PASSENGER OCCUPANT DETECTION SYSTEM**
7. Mount
 - For passenger occupant detection system control module -J706-
8. Spreader Pin
 - For securing the mount to the seat pan
9. Electrical Wiring Harness
 - Do not separate from the passenger occupant detection system pressure sensor -G452- and passenger occupant detection system control module -J706-
10. Front Passenger Seat Position Sensor -G554-
 - Is a component of the electrical wiring harness -9-
 - Removing and installing, refer to **SEAT POSITION SENSOR, WITH SEAT OCCUPIED SENSOR FOR PASSENGER AIRBAG DEACTIVATION**
11. Passenger Occupant Detection System Control Module -J706-
 - Removing and installing, refer to **PASSENGER OCCUPANT DETECTION SYSTEM**
 - Do not disconnect the electrical connector

REAR SIDE AIRBAG OVERVIEW

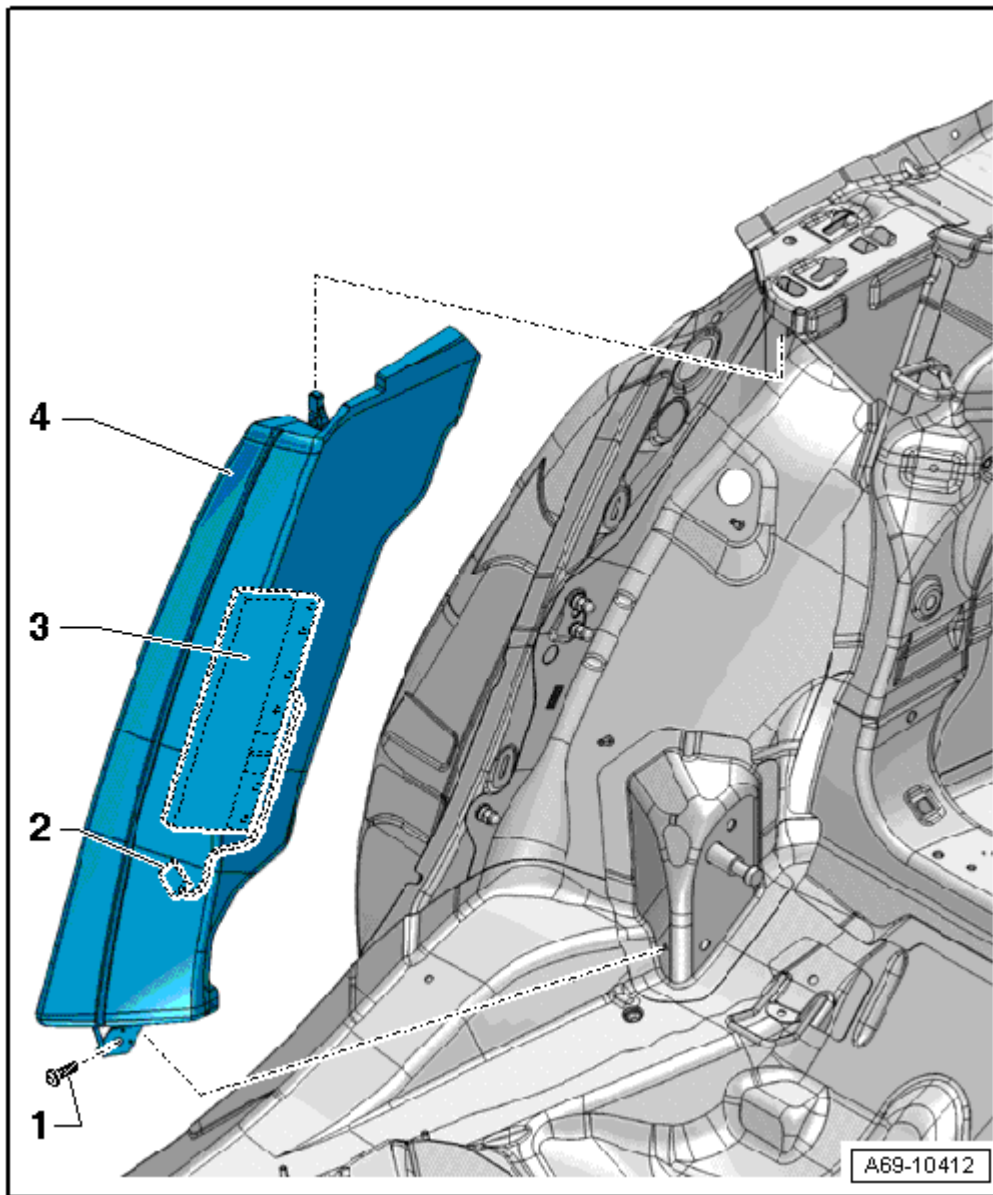


Fig. 12: Rear Side Airbag Overview

Courtesy of AUDI OF AMERICA, LLC

1. Bolt
 - 9 Nm if equipped with side airbag
 - 3 Nm if equipped without side airbag
2. Connector
 - For side airbag
3. Rear Side Airbag
 - Vehicles with special equipment
 - Driver side: with driver side rear thorax airbag igniter -N201-
 - Passenger side: with passenger side rear thorax airbag igniter -N202-

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

- Removing and installing, refer to DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-

4. Side Upholstery

- Removing and installing, refer to SIDE UPHOLSTERY

SEAT BELTS

FRONT BELT ANCHOR OVERVIEW

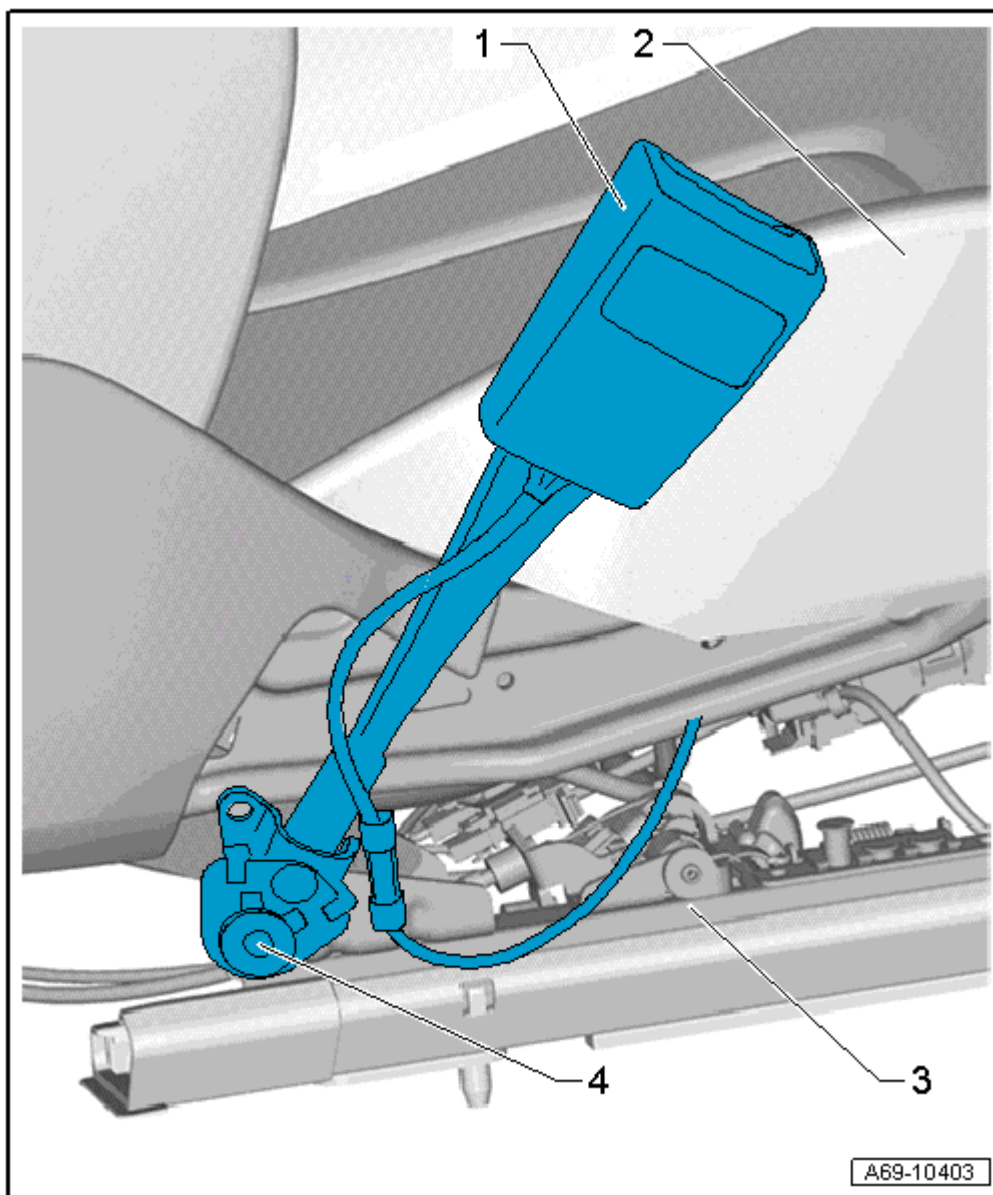


Fig. 13: Front Belt Anchor Overview

Courtesy of AUDI OF AMERICA, LLC**1. Front Seat Belt**

- Driver side: with driver seat belt switch -E24-
- Front passenger side: With front passenger seat belt switch -E25- (depending on the country; belt latch version not illustrated)
- Belt latch, removing and installing refer to **FRONT BELT LATCH**
- Always replaced if the belt tensioner has deployed with the belt on
- Installation position, refer to **FRONT BELT LATCH => Front seat belt latch installation position**

2. Front Seat**3. Seat Frame****4. Bolt**

- Replace
- 33 Nm

FRONT THREE-POINT SEAT BELT OVERVIEW

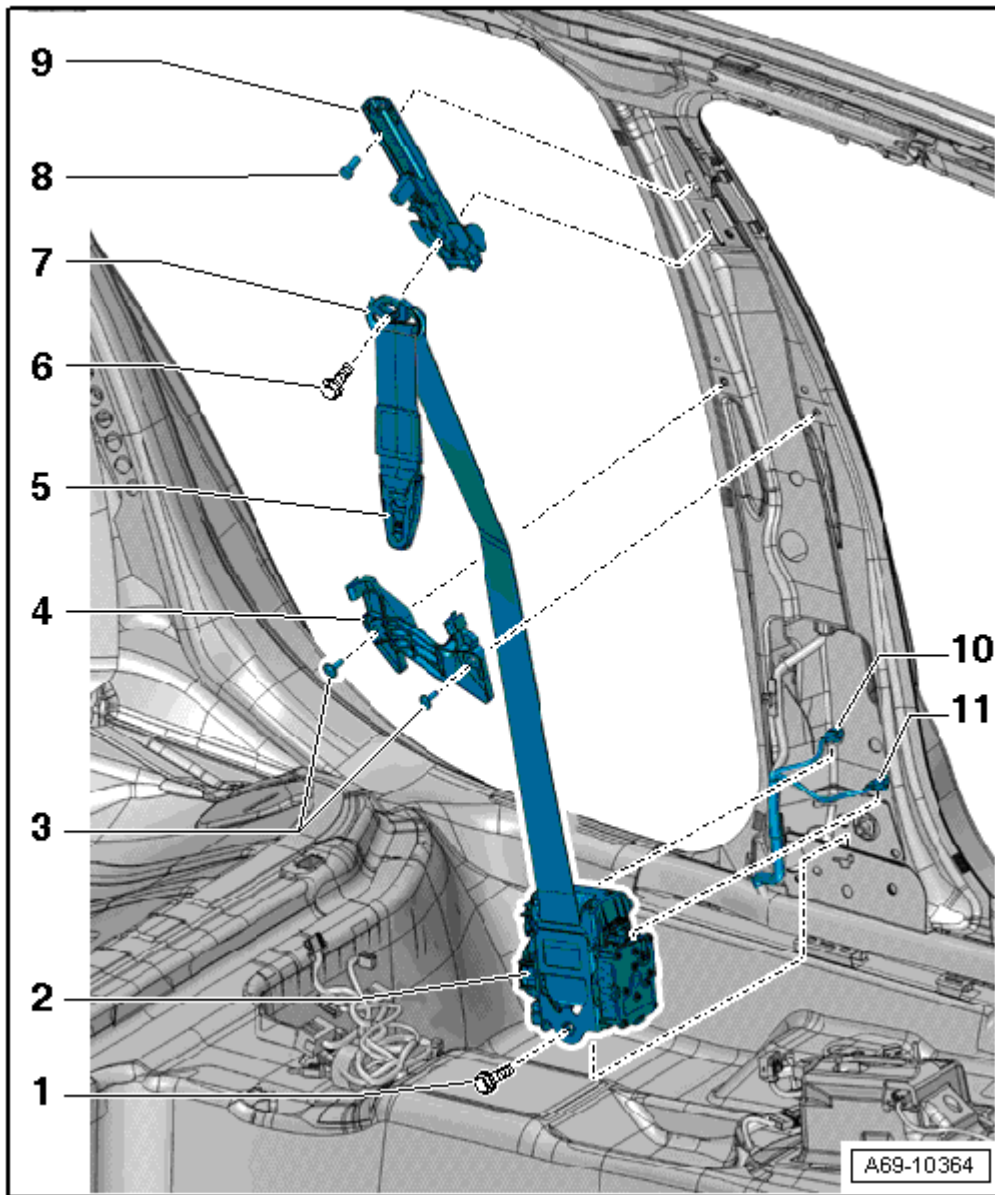


Fig. 14: Front Three-Point Seat Belt Overview

Courtesy of AUDI OF AMERICA, LLC

1. Bolt

- If it was removed because of an accident, replace the bolt
- 45 Nm

2. Automatic Belt Retractor

- Driver side: with driver seat belt tensioner igniter 1 -N153- and driver belt force limiter -G551-
- Front passenger side: with front passenger seat belt tensioner igniter 1 -N154- and front passenger belt force limiter -G552-
- Removing and installing, refer to **FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER**

3. Bolt
 - Always replace if removed
 - 5 Nm
4. Front Seat Belt Guide
 - Removing and installing, refer to **FRONT SEAT BELT GUIDE**
5. Front Belt Anchor
 - Removing and installing, refer to **FRONT BELT END FITTING**
6. Bolt
 - If it was removed because of an accident, replace the bolt
 - 45 Nm
7. Belt Guide Ring
8. Bolt
 - If it was removed because of an accident, replace the bolt
 - 27 Nm
9. Seat Belt Height Adjuster
 - Removing and installing, refer to **SEAT BELT HEIGHT ADJUSTER**
 - Always replaced if the belt tensioner has deployed with the belt on
10. Connector
 - For the driver belt force limiter -G551-
 - For the front passenger belt force limiter -G552-
 - Disconnecting and connecting, refer to **FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER**
11. Connector
 - For the driver seat belt tensioner igniter 1 -N153-
 - For the front passenger seat belt tensioner igniter 1 -N154-
 - Disconnecting and connecting, refer to **FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER**

REAR BELT LATCH OVERVIEW

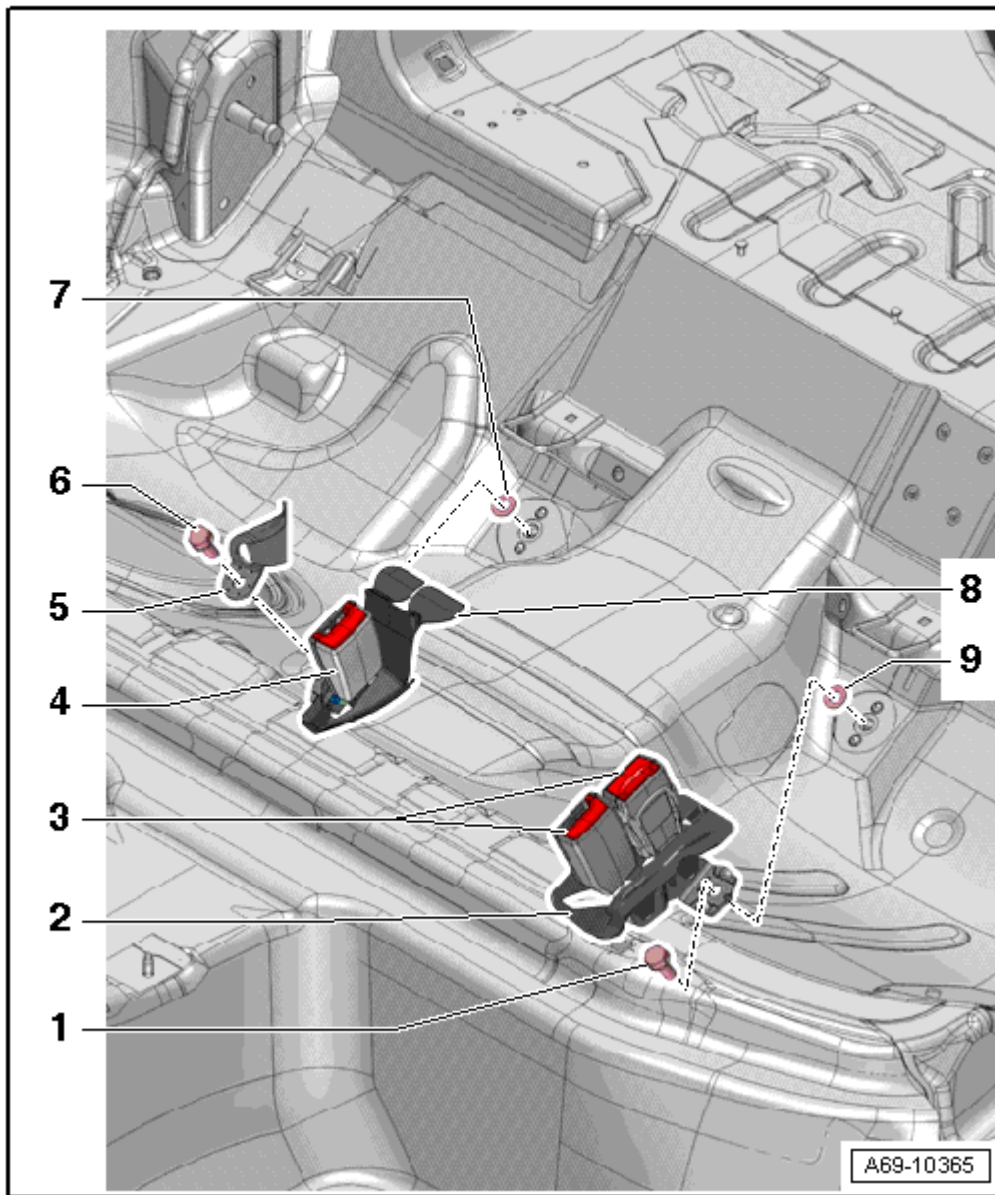


Fig. 15: Rear Belt Latch Overview

Courtesy of AUDI OF AMERICA, LLC

1. Bolt
 - Replace
 - 45 Nm
2. Bolt Latch Cover
3. Left Seat Belt Latch
 - Removing and installing, refer to **REAR LEFT BELT LATCH**
 - Always replaced if the belt tensioner has deployed with the belt on
4. Right Seat Belt Latch
 - Removing and installing, refer to **REAR RIGHT SEAT BELT LATCH WITH CENTER**

REAR BELT ANCHOR

- Always replaced if the belt tensioner has deployed with the belt on
5. Rear Center Belt Anchor
 - Removing and installing, refer to **REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR**
 6. Bolt
 - Replace
 - 45 Nm
 7. Sealing Ring
 8. Belt Latch Cover
 9. Sealing Ring

REAR CENTER THREE-POINT SEAT BELT OVERVIEW

NOTE: Both foldable and fixed rear seat backrests are shown in the illustrations.

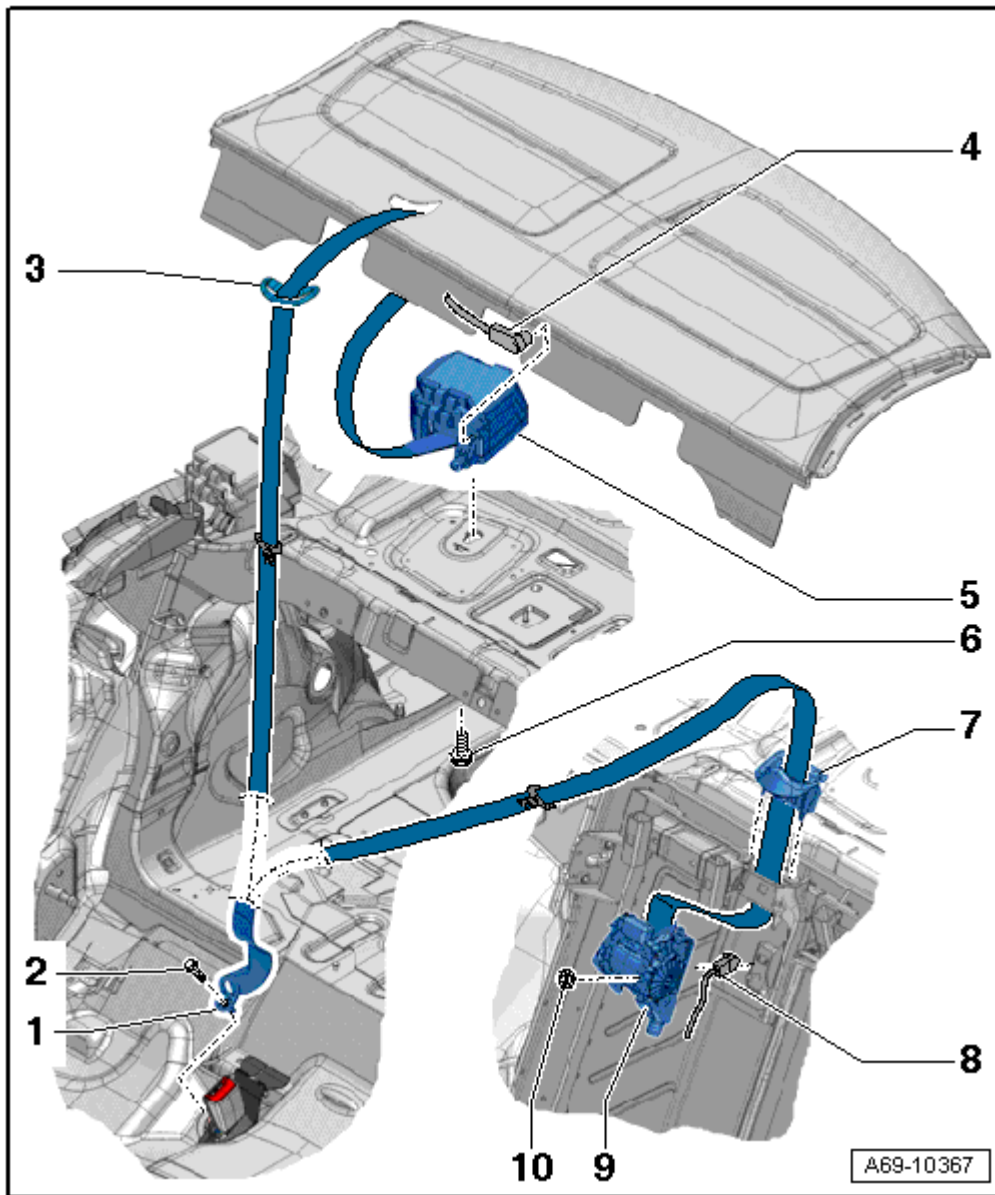


Fig. 16: Rear Center Three-Point Seat Belt Overview

Courtesy of AUDI OF AMERICA, LLC

1. Rear Center Belt Anchor
 - Removing and installing, refer to **REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR**
2. Bolt
 - For the correct tightening specifications refer to **REAR BELT LATCH OVERVIEW**
3. Rear Center Belt Guide
 - For versions equipped with a fixed rear seat backrest
 - Replace the entire belt guide if damaged.
 - Removing and installing, refer to **CENTER REAR BELT GUIDE, WITH FIXED BACKREST**

4. Connector
 - For countries with front passenger seat position sensor -N198-
5. Automatic Belt Retractor
 - For versions equipped with a fixed rear seat backrest
 - Country-specific: with front passenger seat position sensor -N198-
 - Removing and installing, refer to **CENTER REAR THREE-POINT SEAT BELT, WITH FIXED BACKREST**
6. Bolt
 - If it was removed because of an accident, replace the bolt
 - 45 Nm
7. Rear Center Belt Guide
 - For vehicles equipped with a foldable rear seat backrest
 - Replace the entire belt guide if damaged.
 - Removing and installing, refer to **CENTER REAR BELT GUIDE, WITH FOLDABLE REAR SEAT BACKREST**
8. Connector
 - For countries with front passenger seat position sensor -N198-
9. Automatic Belt Retractor
 - For vehicles equipped with a foldable rear seat backrest
 - Country-specific: with front passenger seat position sensor -N198-
 - Removing and installing, refer to **CENTER REAR THREE-POINT SEAT BELT, WITH FOLDABLE REAR SEAT BACKREST**
10. Nut
 - If it was removed because of an accident, replace the nut
 - 45 Nm

REAR OUTER THREE-POINT SEAT BELT OVERVIEW

NOTE: **The illustration shows a three-point seat belt in a sedan.**

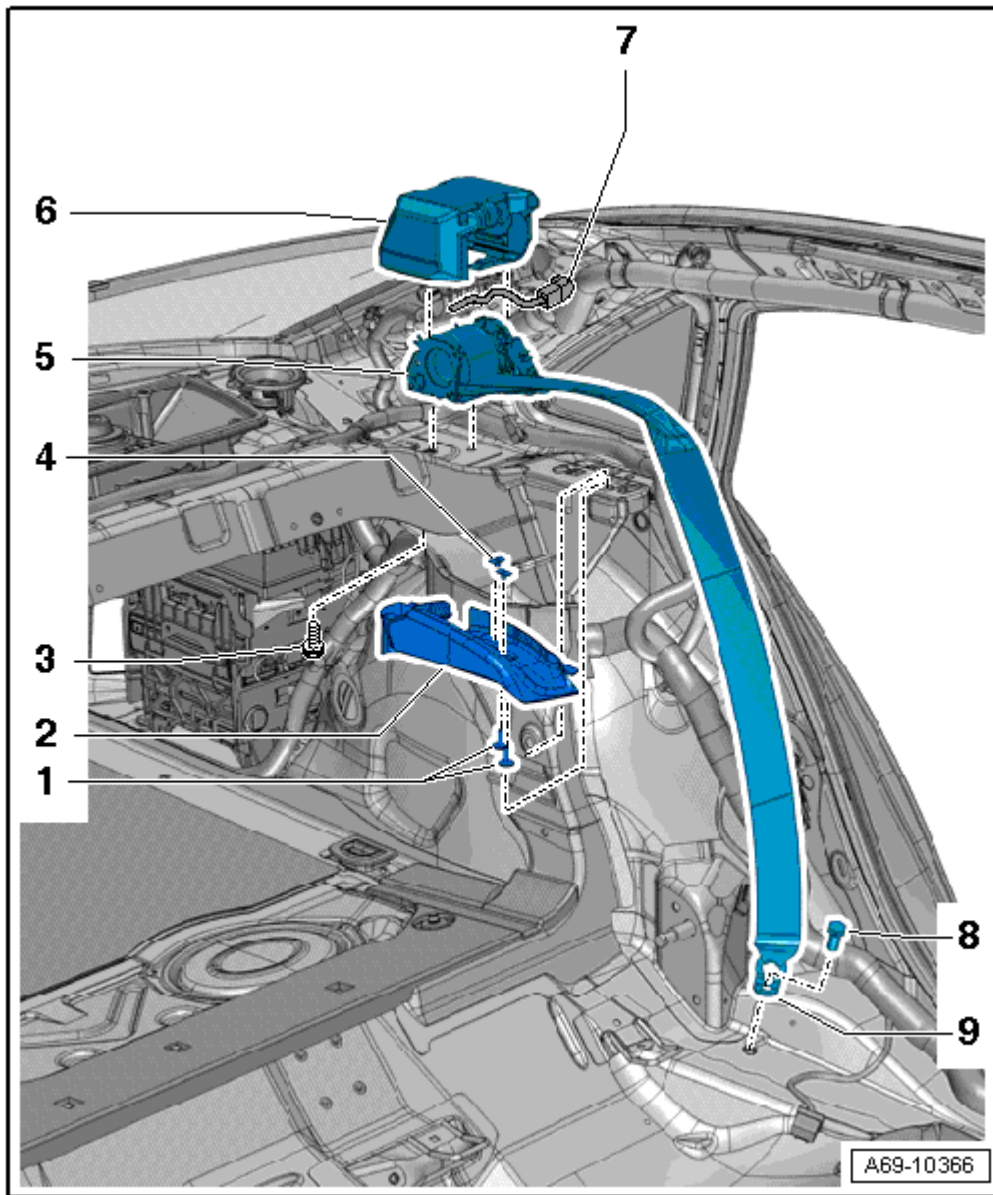


Fig. 17: Rear Outer Three-Point Seat Belt Overview

Courtesy of AUDI OF AMERICA, LLC

1. Screws

- Do not change the bolt position when removing and installing the belt guide. It is set by the manufacturer.

2. Rear Outside Belt Guide

- Replace the entire belt guide if damaged.
- Removal and installation: Sedan, refer to **REAR OUTER BELT GUIDE**; Avant, refer to **REAR OUTER BELT GUIDE, AVANT**

3. Bolt

- If it was removed because of an accident, replace the bolt

- 45 Nm
- 4. Nut
- 5. Automatic Belt Retractor
 - Depending on the version for the driver side rear seat belt tensioner igniter -N196-
 - Depending on the version for the passenger side rear seat belt tensioner igniter -N197-
 - Removal and installation: sedan **REAR OUTER THREE-POINT SEAT BELT**; Avant **REAR OUTER THREE-POINT SEAT BELT, AVANT**
- 6. Noise Insulation
 - For the automatic belt retractor
- 7. Connector
 - Depending on the version for the driver side rear seat belt tensioner igniter -N196-
 - Depending on the version for the passenger side rear seat belt tensioner igniter -N197-
- 8. Bolt
 - If it was removed because of an accident, replace the bolt
 - 45 Nm
- 9. Rear Outer Belt Anchor
 - Removing and installing, refer to **REAR OUTER BELT END FITTING**

SEAT BELTS AND ANCHORAGE POINTS OVERVIEW

NOTE: In the illustration, seat belts in a sedan model with a fixed backrest is shown.

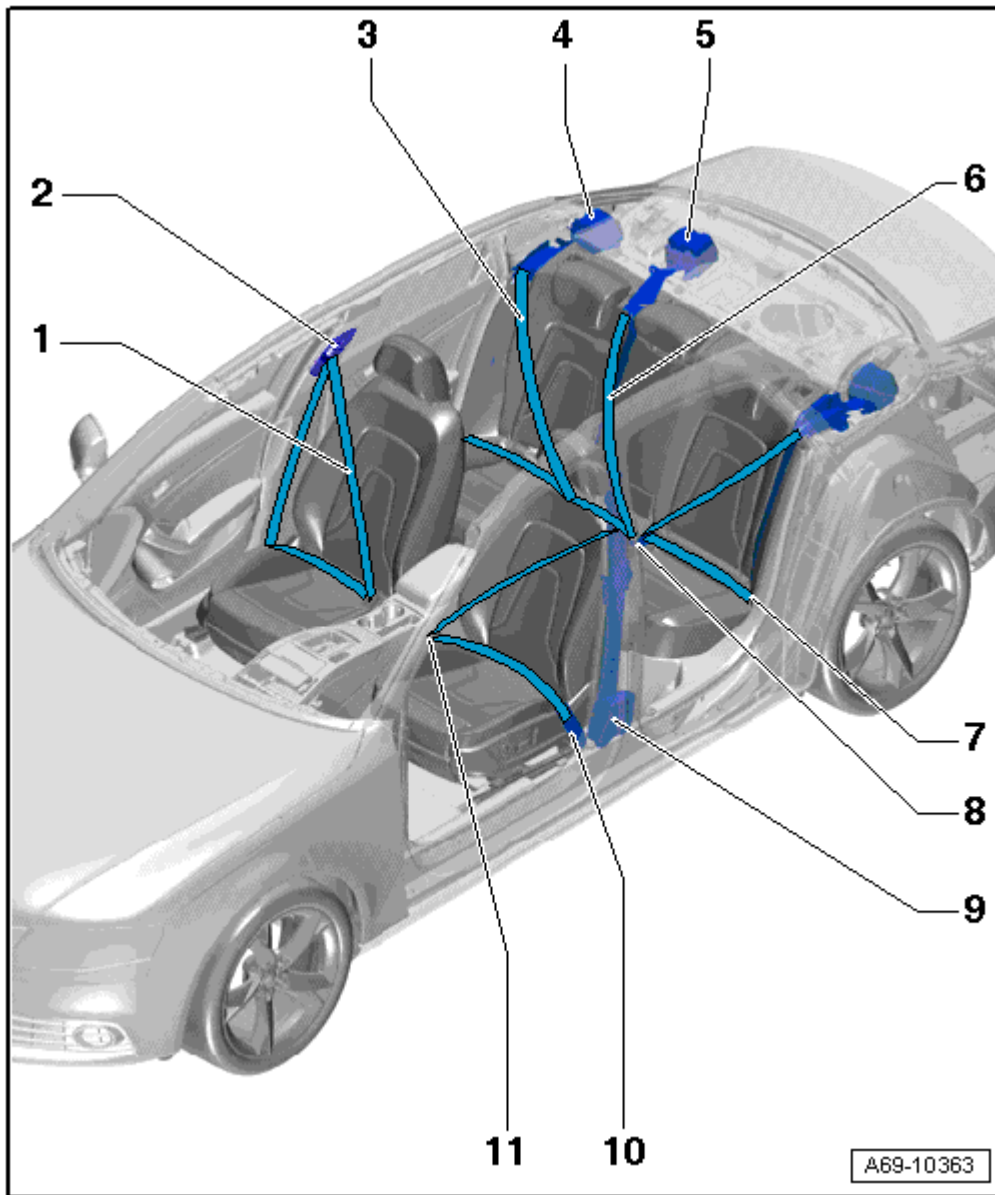


Fig. 18: Seat Belts And Anchorage Points Overview

Courtesy of AUDI OF AMERICA, LLC

1. Front Three-Point Seat Belt

- Assembly overview, refer to **FRONT THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER**

2. Belt Height Adjustment

- Assembly overview, refer to **FRONT THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **SEAT BELT HEIGHT ADJUSTER**

3. Rear Outside Three-Point Seat Belt

- Assembly overview, refer to **REAR OUTER THREE-POINT SEAT BELT OVERVIEW**

- Removing and installing, refer to **REAR OUTER THREE-POINT SEAT BELT**

4. Automatic Belt Retractor

- For rear outer three-point seat belt
- Driver side with a driver side rear seat belt tensioner igniter -N196-
- Market-specific front passenger side: with passenger side rear seat belt tensioner igniter -N197-
- Assembly overview, refer to **REAR OUTER THREE-POINT SEAT BELT OVERVIEW**
- Removal and installation: Sedan, refer to **REAR OUTER THREE-POINT SEAT BELT**; Avant, refer to **REAR OUTER THREE-POINT SEAT BELT, AVANT**

5. Automatic Belt Retractor

- For rear three-point seat belt in the center seating position
- Country-specific: with front passenger seat position sensor -N198-

Optional equipment:

- Fixed backrest
- Foldable backrest
- Assembly overview, refer to **REAR CENTER THREE-POINT SEAT BELT OVERVIEW**
- Removal and installation: fixed rear seat backrest **CENTER REAR THREE-POINT SEAT BELT, WITH FIXED BACKREST**; foldable rear seat backrest **CENTER REAR THREE-POINT SEAT BELT, WITH FOLDABLE REAR SEAT BACKREST**

6. Rear Three-Point Seat Belt in the Center Seating Position

- Assembly overview, refer to **REAR CENTER THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **CENTER REAR THREE-POINT SEAT BELT, WITH FIXED BACKREST**

7. Rear Belt Anchor

- Assembly overview, refer to **REAR OUTER THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **REAR OUTER BELT END FITTING**

8. Rear Seat Belt Latch

- Assembly overview, refer to **REAR BELT LATCH OVERVIEW**
- Left belt latch, removing and installing **REAR LEFT BELT LATCH**
- Right belt latch, removing and installing **REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR**

9. Automatic Belt Retractor

- For the front three-point seat belt
- Driver side: with driver seat belt tensioner igniter 1 -N153- and driver belt force limiter -G551-
- Front passenger side: with front passenger seat belt tensioner igniter 1 -N154- and front passenger belt force limiter -G552-
- Assembly overview, refer to **FRONT THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER**

10. Front Belt Anchor

- Assembly overview, refer to **FRONT THREE-POINT SEAT BELT OVERVIEW**
- Removing and installing, refer to **FRONT BELT END FITTING**

11. Front Seat Belt

- Assembly overview, refer to **FRONT BELT ANCHOR OVERVIEW**
- Removing and installing, refer to **FRONT BELT LATCH**

SEAT POSITION SENSOR OVERVIEW

NOTE: The seat position sensor is similar in all seat versions.

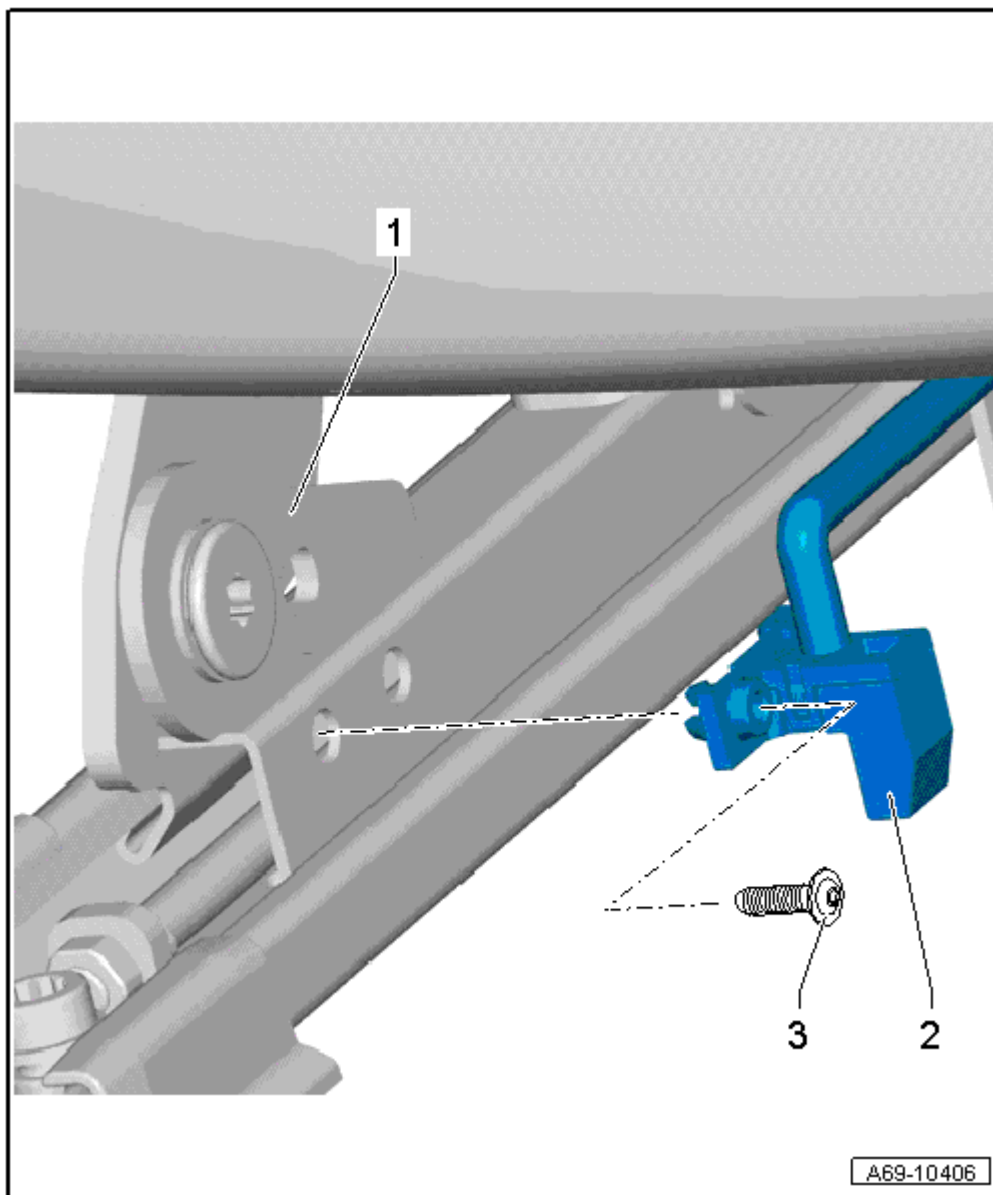


Fig. 19: Seat Position Sensor Overview

2012 Audi S4

ACCESSORIES & EQUIPMENT Passenger Protection, Airbags, Seat Belts (Sedan)

Courtesy of AUDI OF AMERICA, LLC

1. Seat Pan Lower Frame
2. Seat Position Sensor
 - Driver side: driver seat position sensor -G553-
 - Front passenger side: front passenger seat position sensor -G554-
 - Versions with seat occupied sensor for belt fastening detection, removing and installing refer to **SEAT POSITION SENSOR, WITH SEAT OCCUPIED SENSOR FOR BELT FASTENING DETECTION**
 - Versions with seat occupied sensor for passenger airbag deactivation, removing and installing refer to **SEAT POSITION SENSOR, WITH SEAT OCCUPIED SENSOR FOR PASSENGER AIRBAG DEACTIVATION**
3. Bolt
 - 0.3 Nm

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Components	Fastener Size	Nm
- Airbag Control Module -		
Airbag Control Module Nuts to Vehicle Body	-	9
- Airbag Crash Sensors -		
Driver Side Airbag Crash Sensor	-	5
Driver Side Rear Side Airbag Crash Sensor	-	9
Driver Front Airbag Crash Sensor	-	9
Front Passenger Side Airbag Crash Sensor	-	5
Passenger Side Front Airbag Crash Sensor	-	9
Passenger Side Rear Side Airbag Crash Sensor	-	9
- Battery Interrupt Igniter -		
Battery Interrupt Igniter Nuts	-	15
- LATCH Child Seat Anchorage -		
Bracket to Seat Pan Screws	-	8
Center Top Tether Retaining Bracket Bolts ¹	-	9
Left Top Tether Retaining Bracket Bolt ¹	-	9
Right Top Tether Retaining Bracket Bolts ¹	-	9
- Driver Airbag/Steering Wheel -		
Back of Steering Wheel Bolt	-	7
- Front Side Airbag -		
Front Side Airbag to Seat Frame Bolt	-	8
- Head Curtain Airbag -		
Front of Head Curtain Airbag Bolts	-	3.5

2012 Audi S4

ACCESSORIES & EQUIPMENT Passenger Protection, Airbags, Seat Belts (Sedan)

Rear of Head Curtain Airbag Buts to Ground Bolt	-	9
- Passenger Airbag -		
Nuts for Front Passenger Airbag to Vehicle	-	8
- Rear Side Upholstery -		
Bolt for Side Upholstery to Vehicle (if equipped with side airbag)	-	9
Bolt for Side Upholstery to Vehicle (if NOT equipped with side airbag)	-	3
- Seat Belts -		
Driver's Front Seat Buckle to Vehicle Bolt	-	33
Passenger's Front Seat Buckle to Vehicle Bolt	-	33
Front Three-Point Driver's Seat Belt to Vehicle Bottom Bolt	-	45
Front Three-Point Passenger's Seat Belt to Vehicle Bottom Bolt	-	45
Front Three-Point Driver's Seat Belt to Vehicle Top Bolt	-	45
Front Three-Point Passenger's Seat Belt to Vehicle Top Bolt	-	45
Front Seat Belt Guide Bolts	-	5
Seat Belt Height Adjuster Bolts	-	27
Rear Belt Buckle Latch Bolts	-	45
Rear Center Three-Point Seat Belt Bolt	-	45
Rear Center Three-Point Seat Belt Nut	-	45
Rear Outer Three-Point Seat Belt Lower Bolt	-	45
Rear Outer Three-Point Seat Belt Upper Bolt	-	45
- Seat Position Sensor -		
Seat Position Sensor Bolt	-	0.3
• ¹ For bolt tightening clarification, these are applicable for Avant model only.		

DIAGNOSIS AND TESTING

AIRBAG MOUNTING COMPONENTS, CHECKING AFTER AN ACCIDENT

All damaged securing pieces must be replaced, you cannot reshape components or "make them fit".

The following components must be checked after every airbag deployment.

With a Passenger Airbag Deployment:

- Instrument panel center pipe; make sure the front passenger airbag module and supports can be installed without tension. Otherwise, replace the center pipe.
- Check the glove compartment and replace if damaged.

With a Driver Airbag Deployment:

- Steering wheel: Remove the steering wheel and place it on the flat surface with the steering wheel rim. The entire rim must rest on the surface. Otherwise replace the steering wheel.

- Check the steering wheel for smoke residue and replace if there is any.

AUTOMATIC BELT RETRACTOR, CHECKING

The automatic belt retractor has 2 locking functions.

- The first locking function is initiated by belt being jerked out of the retractor (belt extraction acceleration).

Test 1

-- Pull belt webbing out of retractor with a firm jerk.

- No locking effect - replace seat belt complete with belt buckle.
- If difficulties are experienced when pulling out or retracting belt, first check whether position of retractor has been altered.
- The second locking function is initiated by change in vehicle velocity (vehicle-dependent locking function).

Test 2

WARNING: For safety reasons, road test should be carried out on traffic-free stretch to ensure that other motorists/pedestrians etc. are not endangered.

-- Fasten seat belt.

-- Accelerate vehicle to 20 km/h and then perform a full braking maneuver with foot brake.

- Replace seat belt complete with seat belt latch if seat belt is not locked by locking mechanism during braking procedure.

ATTACHMENTS AND ATTACHING POINTS, CHECKING AFTER A COLLISION

- Buckle latch deformed (stretched).
- Height adjustment not functional.
- Anchorage points (seat, pillar, vehicle floor) distorted or threads damaged.
- If damage is found at components, replace the seat belt completely with lock.
- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.
- Replace anchorage points.

NOTE: In damage is discovered that is not accident-related, for example, wear, replace the particular part which is damaged.

CHILD SEAT ANCHORAGE, CHECKING FUNCTION

To check function, you must install entire belt system, including side trim.

Switching hold function on

- Pull belt webbing out completely up to stop.

Correct function

- Belt must retract with a chattering sound.
- If retracting process is stopped, belt cannot be pulled out anymore.

Deactivating

- Belt retraction to about 100 mm (3.93 in) remaining.
- The hold function must switch off when there is at least 100 mm (3.93 in) remaining. The belt will function normally again.
- If the seat belt child seat anchorage does not work, replace the seat belt.

COLLISION WITHOUT AIRBAG DEPLOYMENT

- If the airbag indicator lamp -K75- does not indicate a malfunction, the pyrotechnic components do not need to be replaced. Check the seat belts separately.

LATCH AND TOP TETHER CHILD SEAT ANCHORAGES (ISOFIX), CHECKING AFTER COLLISION**Inspection Points**

- Child seat anchors must be checked for damage or deformation after a collision.
- Child seat anchors welded or bolted into the body or the seat or backrest must not be repaired or straightened.
- Child seat anchors bolted into the body or the seat or backrest must be replaced if damaged or deformed.
- Child seat anchors securing screws should be replaced if bracket is damaged.

PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION AFTER A COLLISION

- Each time an airbag or passenger belt tensioner deploys, a basic setting must be performed on the seat occupied recognition control module using the Vehicle Diagnostic Tester.
- If the seat rail and/or the seat pan was deformed in an accident and must be replaced, replace the passenger occupant detection system with the passenger occupant detection system service kit. Then a basic setting must be performed for the passenger occupant detection system control module using the Vehicle Diagnostic Tester.

PASSENGER SAFETY SYSTEM PYROTECHNICAL COMPONENTS, REPLACING AFTER A COLLISION

Special tools and workshop equipment required

- Vehicle Diagnostic Tester

NOTE:

- The airbag control module can be used for up to 2 side airbag and/or belt tensioner deployments with airbag generation 8.*, except 8.R.
- The airbag control module can be used for up to two side, driver and passenger airbag and/or belt tensioner deployments with airbag generation 9.*, 10.* and 8.R.
- After the third deployment, the malfunction display "Control module defect" appears.

Airbag control module must be replaced:

- With driver and passenger airbag deployment "but not with airbag generation 9.*, 10.* and 8.R". The airbag control module can be used for up to two side, driver and passenger airbag and/or belt tensioner deployments with airbag generation 9.*, 10.* and 8.R.
- After three side airbag, driver airbag, passenger airbag or belt tensioner deployments.
- If housing is damaged.
- If there is deformation on tunnel in 200 mm (7.87 in) circumference around control module.

Always replace the following:

- All triggered airbag units
- The battery interrupt igniter -N253-

Also with Passenger Airbag Deployment:

- Instrument panel
- Deformed passenger front passenger airbag supports (cannot be reformed).
- All sensors for front airbag on front end
- Remaining cross acceleration sensors if anchorage point is deformed in sensor region

Also with Driver Airbag Deployment:

- Coil connector with slip ring
- All sensors for front airbag on front end
- Remaining cross acceleration sensors if anchorage point is deformed in sensor region

Also with Side Airbag Deployment:

- Pressure sensors on deployed side
- Cross acceleration sensors on deployed side

- Cover
- Cushion
- With a folding rear seat backrest: side cushion (if equipped)
- Remaining cross acceleration sensors if anchorage point is deformed in sensor region

In Addition:

- All belt retractors with deployed belt tensioners
- All belt retractors with deployed belt force limiters (depending on equipment)
- Seat belt latches for all automatic belt retractors with deployed seat belt tensioners with the belt on
- Seat belt height adjuster (manual and power) for all automatic belt retractors with deployed seat belt tensioners with the belt on

-- Connect the Vehicle Diagnostic Tester if there is a chance the belt tensioner and/or seat belt force limiter deployed.

-- In "Guided Fault Finding" under "15 - Airbag", check whether there is a crash entry in the airbag control module.

-- Check if the malfunction "Resistance too high" is stored for the belt tensioner and/or belt force limiter. Deployed belt tensioners and/or belt force limiters must meet both criteria. "Requirement: the airbag control module must not have been replaced".

NOTE:

- The error "Resistance too high" may also be caused by an open circuit. If that is the case, there is usually no collision entry.
- Depending on the vehicle, the belt tensioner may be deployed while the belt force limiter may not. If that is the case, follow the guidelines for disposing of pyrotechnic components. Refer to **AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.**
- Also check the seat belts. Refer to **SEAT BELTS, INSPECTING.**
- Deployed belt force limiters can be recognized by the following characteristics:

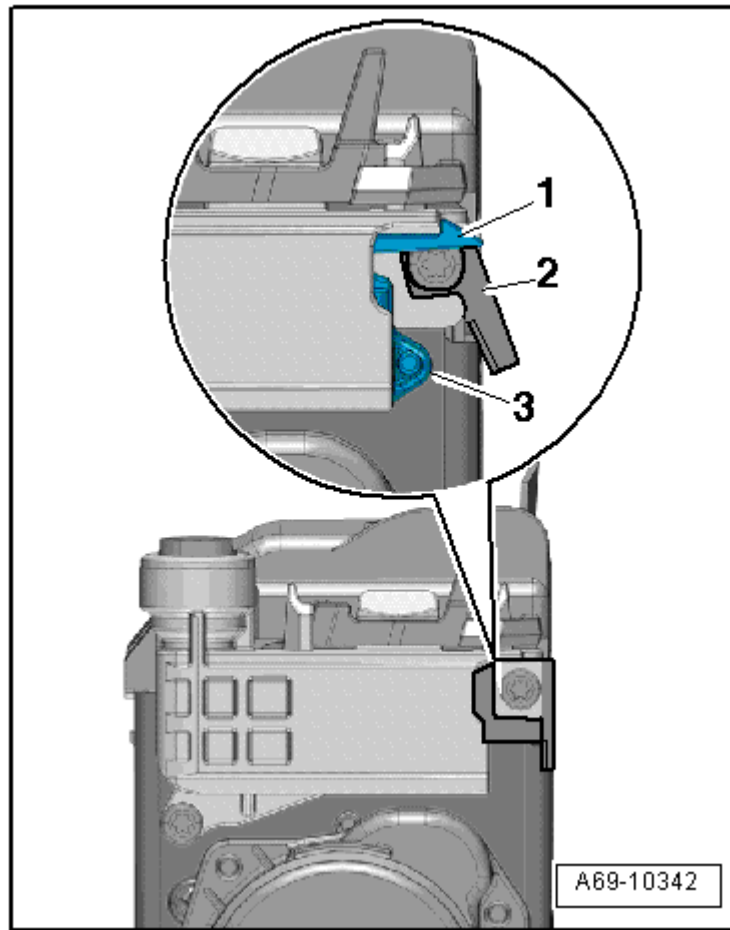


Fig. 20: Pin, Tab And Belt Force Limiter Housing On Automatic Belt Retractor

Courtesy of AUDI OF AMERICA, LLC

- The pin -1- and tab -3- are protruding out of the belt force limiter housing on the automatic belt retractor.
- The tab -2- is no longer vertical but is diagonal toward the outside.

-- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.

-- If needed (visual inspection), the following must also be replaced: all faulty components.

-- After replacing the airbag units or the control module, affix stickers (only tear-off strips) to the registration card and return the registration card to the relevant Sales Center or to the Importer for registration.

SEAT BELTS, INSPECTING

WARNING: After every accident the seat belt system must be inspected systematically! If damage is determined when inspecting the check points, customer must be informed regarding necessity of changing belts.

Inspection Points

- Check belt webbing, refer to **SEAT BELT WEBBING, CHECKING**.
- Check the automatic belt retractor (locking function), refer to **AUTOMATIC BELT RETRACTOR, CHECKING**.
- Visual inspection of belt buckle, refer to **SEAT BELT LATCH VISUAL INSPECTION**.
- Belt latch function test, refer to **SEAT BELT LATCH, CHECKING FUNCTION**.
- Check belt guide rings and locking tongue, refer to **SEAT BELT RELAYS AND BELT TONGUE, CHECKING**.
- Check securing components and anchorage points, refer to **ATTACHMENTS AND ATTACHING POINTS, CHECKING AFTER A COLLISION**.
- Check the function of the child seat anchorage for additional child seats (not for the driver safety belt), refer to **CHILD SEAT ANCHORAGE, CHECKING FUNCTION**.

CAUTION: If customer refuses to have a damaged seat belt replaced, appropriate note should be made in the customer Maintenance booklet.

SEAT BELT LATCH VISUAL INSPECTION

-- Inspect belt buckle for cracks and fracturing.

- If damaged, replace seat belt complete with belt buckle.

SEAT BELT LATCH, CHECKING FUNCTION**Checking Belt Buckle**

-- Slide the latch tongue into the belt latch until it clicks in place. Pull on the belt webbing strongly to make sure the latch mechanism is engaged.

- Replace seat belt complete with seat belt latch if belt tongue fails even only once to engage properly in seat belt latch during at least 5 tests.

Checking Release Mechanism

-- Press the button in the belt latch to release the seat belt. The latch tongue must spring out of the belt latch by itself when the belt webbing is slack.

- Perform the test at least five times. If the latch tongue does not spring out even one time, replace the entire seat belt, including the belt latch.

WARNING: Under no circumstances may grease be used to eliminate noise or stiffness at belt buckle buttons.

SEAT BELT RELAYS AND BELT TONGUE, CHECKING

Plastic-coated fittings face the load (seat belt on during accident) of the belt system parallel to the small grooves (wear created by significant usage, in contrast, is recognizable on the basis of the smooth, stripe-free abrasion).

-- Check plastic for deformation, rupture and tearing.

- For groove build-up and/or damage, replace seat belt completely with lock.

SEAT BELT WEBBING, CHECKING

Procedure

-- Pull belt completely out of automatic belt retractor or lap belt adjustment tongue.

-- Check belt webbing for soiling, wash with mild soap solution if necessary. Refer to the owner's manual.

- If one of the types of damage (1 and 2) shown in the following is detected on a vehicle which has been in an accident - seat belt must be replaced completely with belt buckle.
- If damage as illustrated under points 1, 2 or 3 is determined on vehicle which has not been involved in an accident, it is sufficient to replace damaged belt only.
- 1 - Belt webbing cut, torn or chafed.

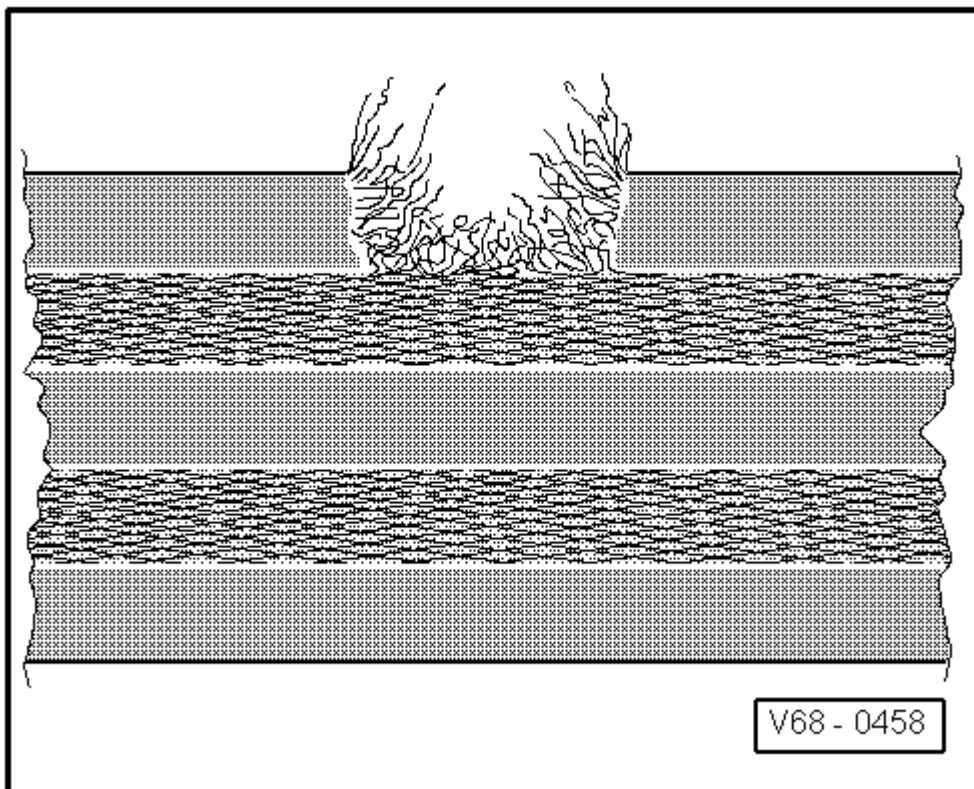


Fig. 21: Belt Webbing Cut, Torn Or Chafed
Courtesy of AUDI OF AMERICA, LLC

- 2 - Webbing loops on belt edge torn.

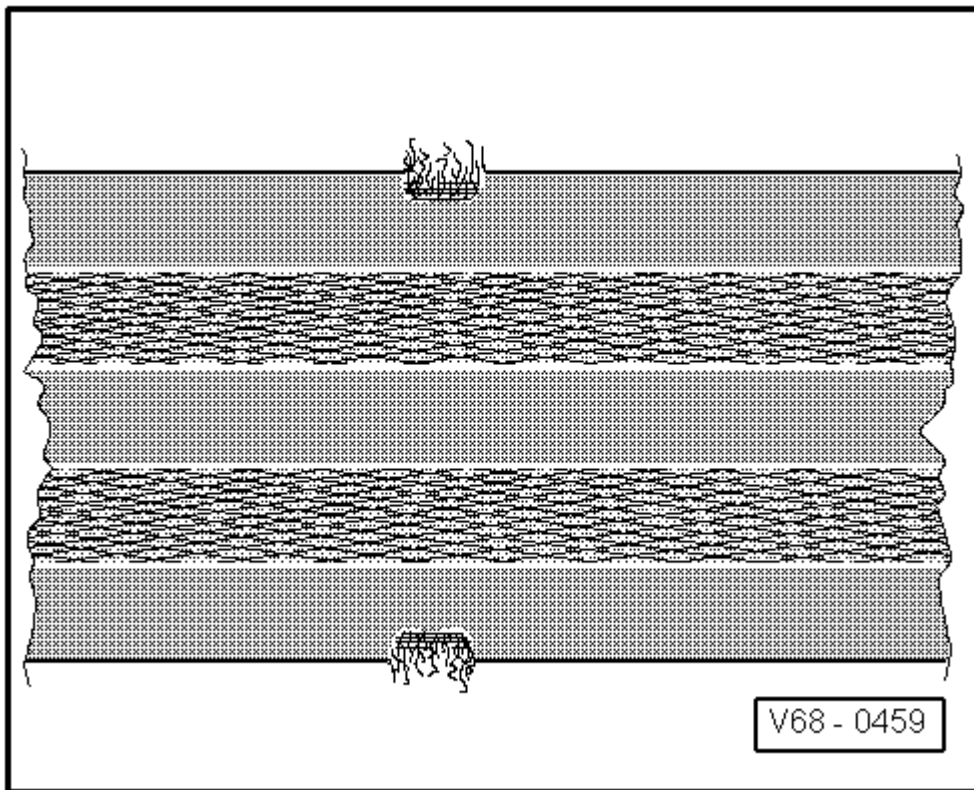


Fig. 22: Checking Belt Webbing - Webbing Loops On Belt Edge Torn
Courtesy of AUDI OF AMERICA, LLC

- 3 - Burn marks from cigarettes or the like.

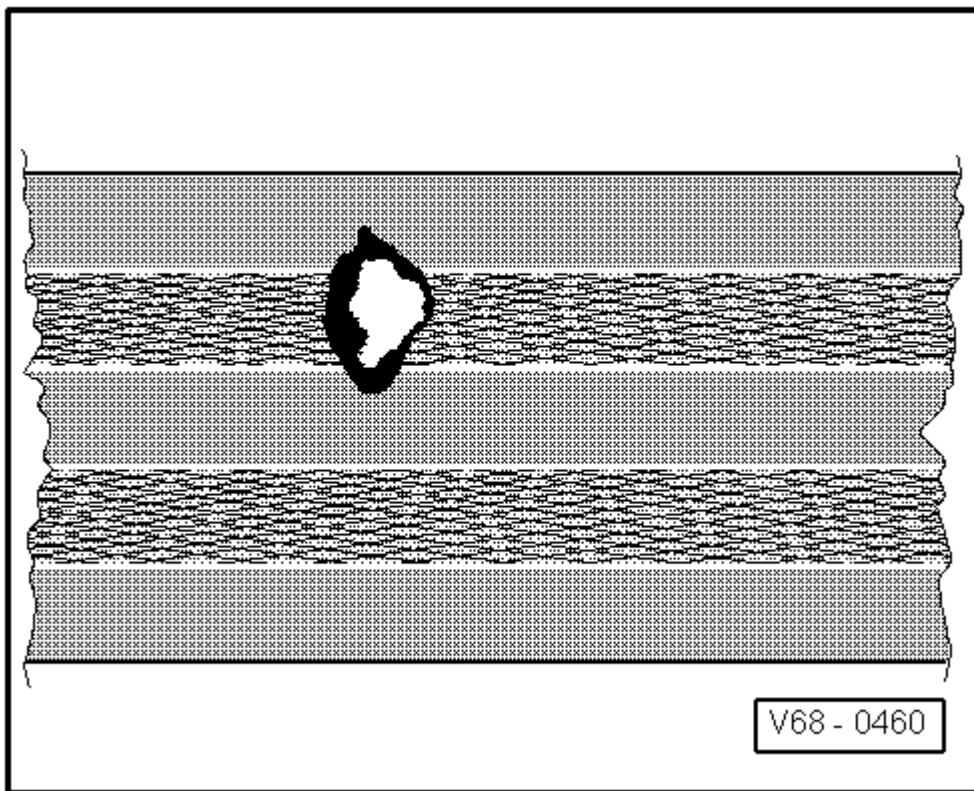


Fig. 23: Burn Marks From Cigarettes Or Similar
Courtesy of AUDI OF AMERICA, LLC

REMOVAL AND INSTALLATION

AIRBAG CONTROL MODULE -J234-

Removing

WARNING: Follow all safety precautions when working on pyrotechnic components.
Refer to GENERAL INFORMATION.

- Turn on the ignition.
- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .
- Remove center console. Refer to CENTER CONSOLE .
- Remove the bracket for the center console. Refer to CENTER CONSOLE BRACKET .
- Remove the rear air guide channel. Refer to Removal and Installation .

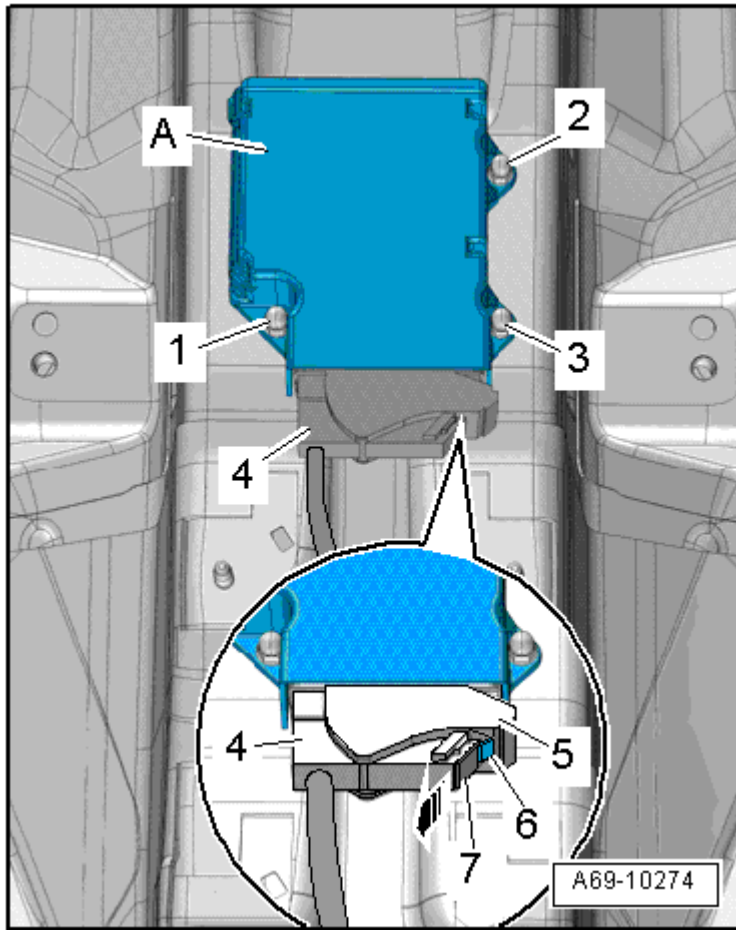


Fig. 24: Identifying Airbag Control Module

Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

- Fold the floor covering on the airbag control module back, and cut the floor covering open along the floor covering if you need to.
- Slide the retainer -7- on the connector in the direction of the -arrow-.
- Press the release button -6-, opening the retainer -5- on the connector and remove the electrical connector -4-.
- Remove the nuts -1 through 3- and remove the airbag control module -A- from the threaded pins.

Installing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE:

- If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.
- After replacing the airbag control module -J234-, it must be coded using the Vehicle Diagnostic Tester.
- The airbag control module -J234- is grounded via the housing with the body.

AIRBAG CRASH SENSORS

FRONT AIRBAG CRASH SENSOR

NOTE: Removing and installing is identical for the left and right sides.

Removing

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

There is a risk of getting injured by an automatic engine start for vehicles with the start/stop system.

- For vehicles with an activated start/stop system (recognized by a signal in the instrument cluster), the engine can be started automatically if need be.
- Therefore make sure that the start/stop system is deactivated when working on the vehicle (turn off the ignition, turn on the ignition

when necessary).

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

-- Remove the front wheel housing liner **Removal and Installation** .

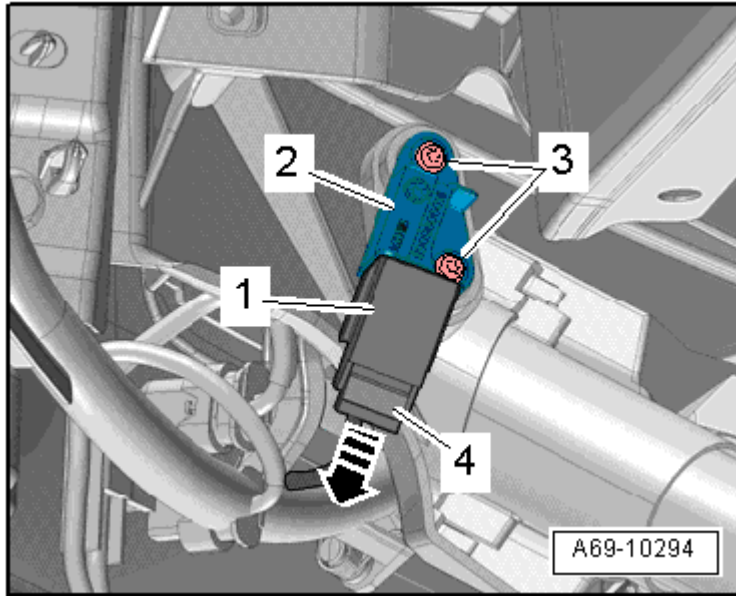


Fig. 25: Removing Front Airbag Crash Sensor
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Release the lock -4- -arrow- and disconnect the connector -1-.

-- Remove the bolt -3- and the front airbag crash sensor -2-.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

- NOTE:**
- Make sure the connectors are installed all the way in and are secure.
 - Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

- NOTE:** If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

FRONT SIDE AIRBAG CRASH SENSOR

- NOTE:** Removing and installing is identical for the left and right sides.

Removing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow the safety precautions for front side airbag crash sensors (pressure sensors) FRONT SIDE AIRBAG CRASH SENSORS (PRESSURE SENSORS) SAFETY PRECAUTIONS.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the door trim panel. Refer to FRONT DOOR TRIM .

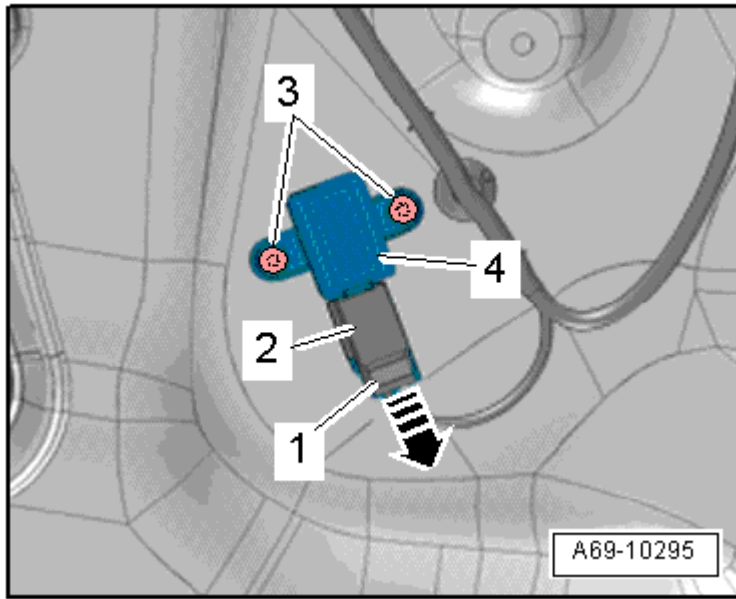


Fig. 26: Removing Side Airbag Crash Sensor
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Release the lock -1- -arrow- and disconnect the connector -1-.

-- Remove the bolts -3- and the side airbag crash sensors -4-.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow the safety precautions for front side airbag crash sensors (pressure sensors) FRONT SIDE AIRBAG CRASH SENSORS (PRESSURE SENSORS) SAFETY PRECAUTIONS.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- For proper crash sensor (pressure sensor) function, ensure door does not leak.

- All components (for example, cover, speaker, door trim) must be installed correctly.
- The door trim clips seal the system closed. Replace the clips if necessary.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

REAR SIDE AIRBAG CRASH SENSOR

Removing

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the rear side airbag. Refer to DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-.

-- Remove the side cushion. Refer to SIDE UPHOLSTERY .

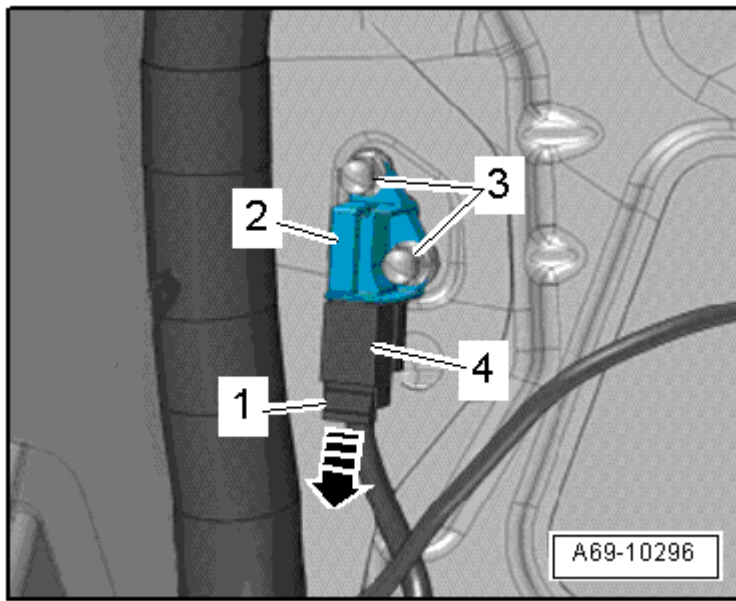


Fig. 27: Removing Side Airbag Crash Sensor
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Release the lock -1- -arrow- and disconnect the connector -4-.

-- Remove the nuts -3- and the side airbag crash sensors -2-.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when

connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

BATTERY INTERRUPT IGNITER -N253-**Special tools and workshop equipment required**

- Vehicle Diagnostic Tester

Removing**WARNING:**

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Follow all regulations when disposing of pyrotechnic components. Refer to **AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING**.

NOTE:

- If the airbag indicator lamp -K75- illuminates after a collision, check for stored collision data using the using the Vehicle Diagnostic Tester. If data is present, check if the fault "Resistance Too High" is stored in the DTC memory for the battery interrupt igniter -N253-. If it is, replace the battery interrupt igniter -N253-.
- The battery interrupt igniter -N253- interrupts the circuit when an airbag deploys. Always replace the battery interrupt igniter -N253- after an airbag deploys.
- The battery interrupt igniter -N253- is available as a replacement part only together with fuse panel A -SA-.
- When just replacing the battery interrupt igniter -N253-, remove it from the replacement part and install it in fuse panel A -SA- as follows.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

-- Remove the vehicle tool kit mount.

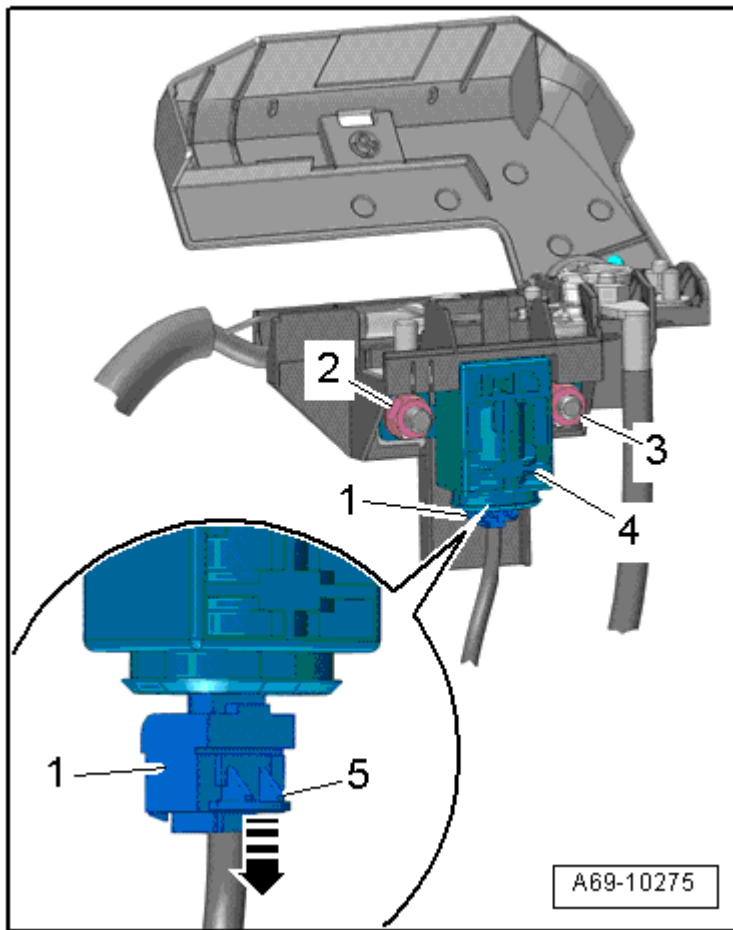


Fig. 28: Identifying Battery Interrupt Igniter
 Courtesy of AUDI OF AMERICA, LLC

- Remove nuts -2- and -3-.
- Unlock the retaining spring -3-.

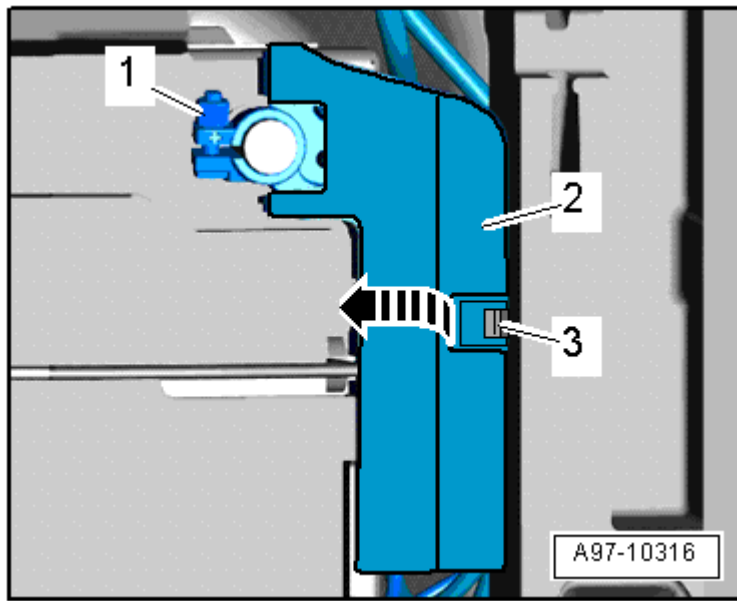


Fig. 29: Removing Fuse Box Cover

Courtesy of AUDI OF AMERICA, LLC

-- Lift the lid -2- over the fuse panel A -SA- -arrow- and at the same time remove the battery interrupt igniter.

NOTE: Ignore -1- in this figure.

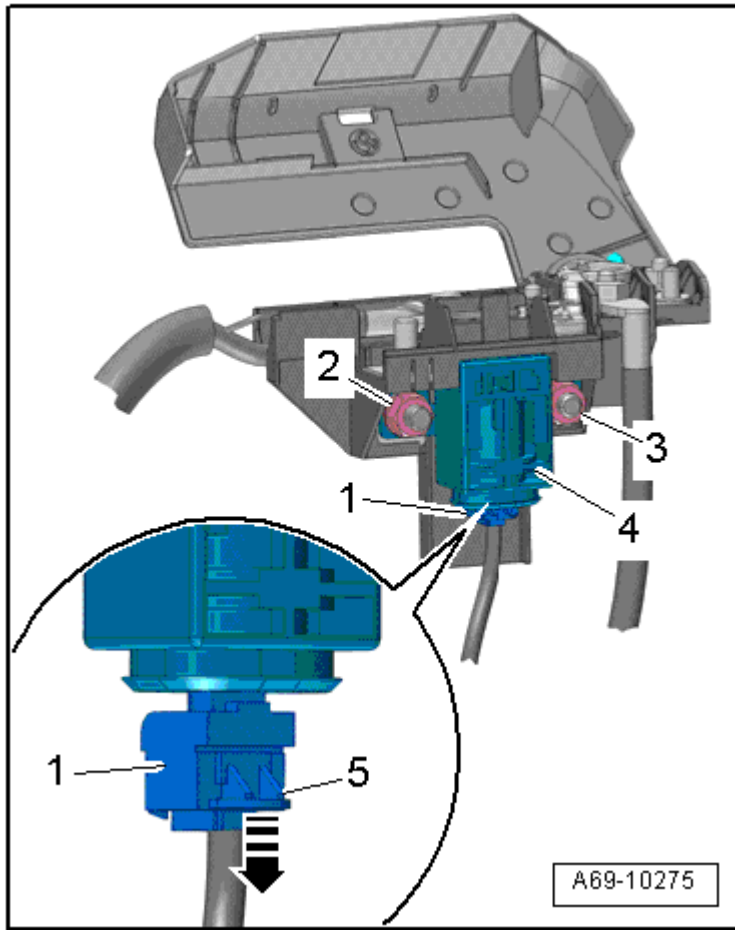


Fig. 30: Identifying Battery Interrupt Igniter

Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Remove the battery interrupt igniter -4-.

-- Disconnect the electrical connector -1- by releasing the locking mechanism -5- -arrow-.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: **Make sure the connectors are installed all the way in and are secure.**

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Check the airbag control module DTC memory -J234- and correct any faults, if necessary using the Vehicle Diagnostic Tester.

DRIVER AIRBAG IGNITERS -N95- / -N250-

Removing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Move the steering wheel as far down as possible.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Turn the steering wheel so the cap -1- on the rear side of it faces upward. This is approximately the 12:00 position.

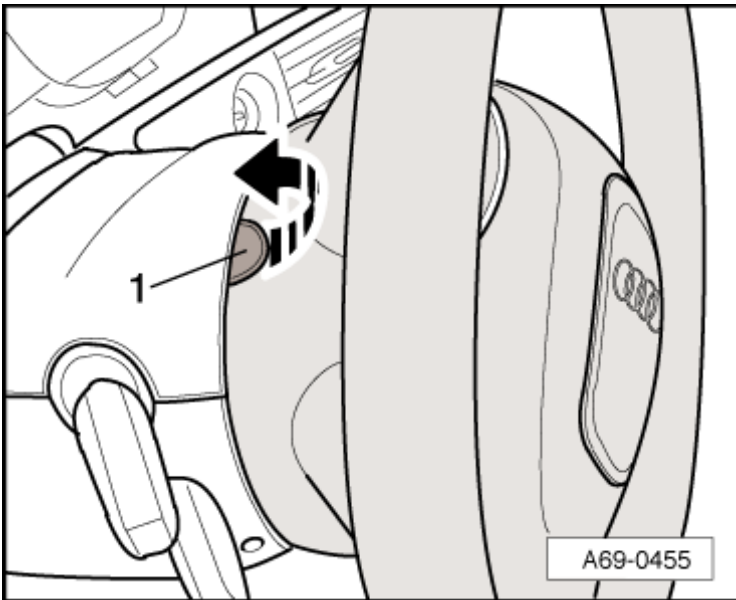


Fig. 31: Removing Cover Cap Left And Right From Backside Of Steering Wheel
Courtesy of AUDI OF AMERICA, LLC

-- Tape off the upper trim panel for the steering column switch module in the area of the airbag threaded connection to avoid damaging the surface.

-- Pry the cap off -arrow-.

-- Remove the driver airbag bolt -arrow-.

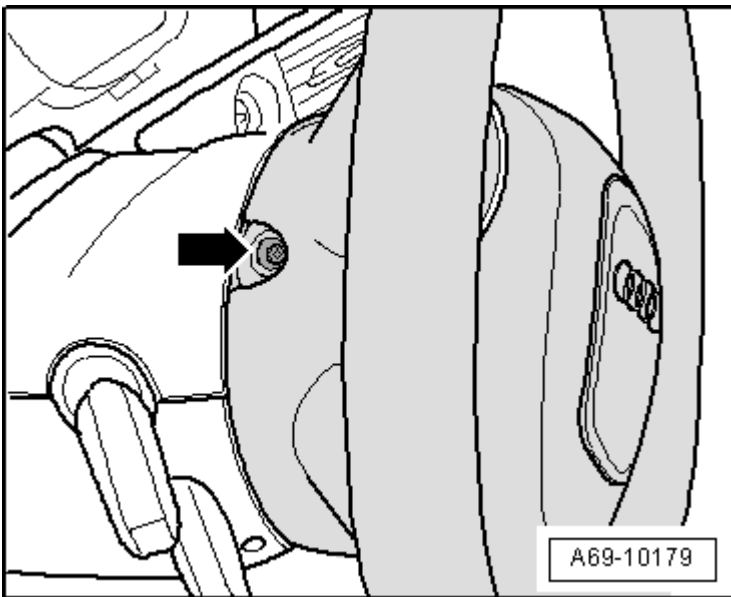


Fig. 32: Identifying Driver Airbag Bolt
Courtesy of AUDI OF AMERICA, LLC

-- Turn the steering wheel 180° and repeat the procedure on the opposite side.

-- Bring the steering wheel back into the center (wheels are straight).

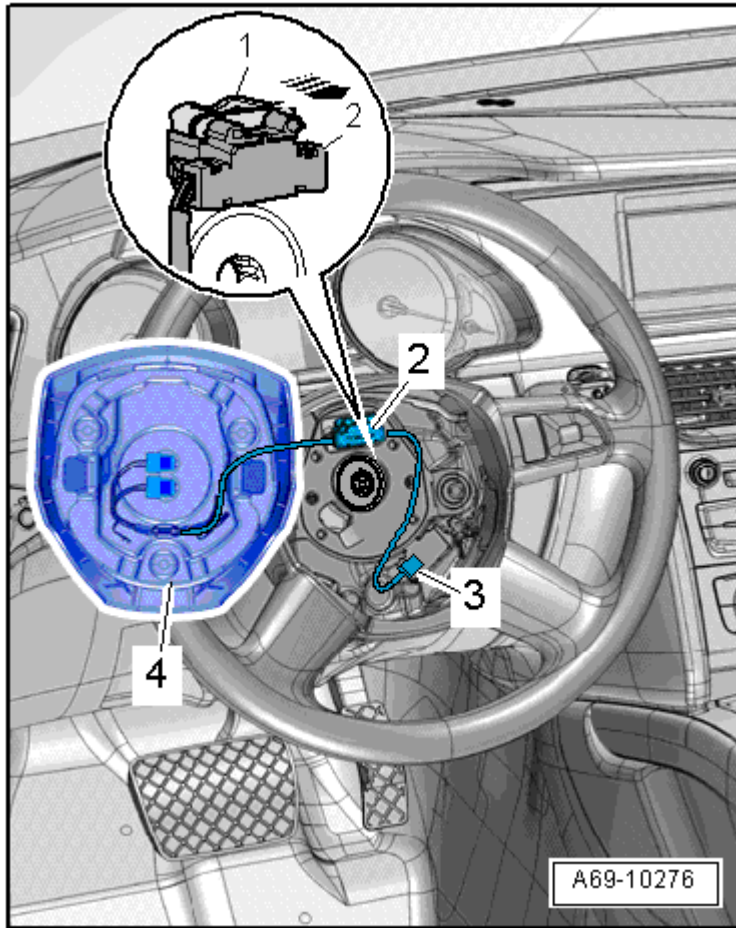


Fig. 33: Removing Airbag
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

- Remove the driver airbag from the steering wheel slightly.
- Pull the connector lock -1- up to the stop -arrow- to disconnect the connector -2-.
- Vehicles with a multifunction and Tiptronic steering wheel: Disconnect the connector -3-.
- Remove the airbag -4-.

WARNING: Set the airbag down so the impact cushion faces upward.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

-- Connect the spiral spring electrical connector with the airbag connector coupling on the coil connector with slip ring.

-- Press in harness connector to secure in the pockets on the steering wheel.

-- Position the driver airbag in the steering wheel.

-- Install the 2 bolts -arrow- for securing the driver airbag approximately 2 turns.

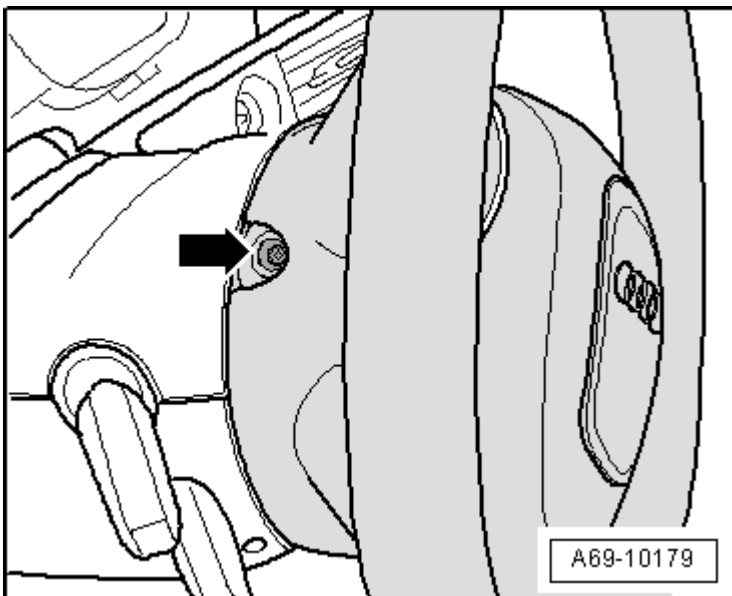


Fig. 34: Identifying Driver Airbag Bolt
Courtesy of AUDI OF AMERICA, LLC

-- Operate the horn 3 times to achieve an even gap dimension.

-- Do not touch the airbag anymore.

-- Tighten screws -arrow-.

-- Press cover cap into cut-out on steering wheel.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Check and erase the airbag control module DTC memory -J234- so that faults can be stored when the connectors are disconnected using the Vehicle Diagnostic Tester.

DRIVER AIRBAG CONNECTOR

Removing

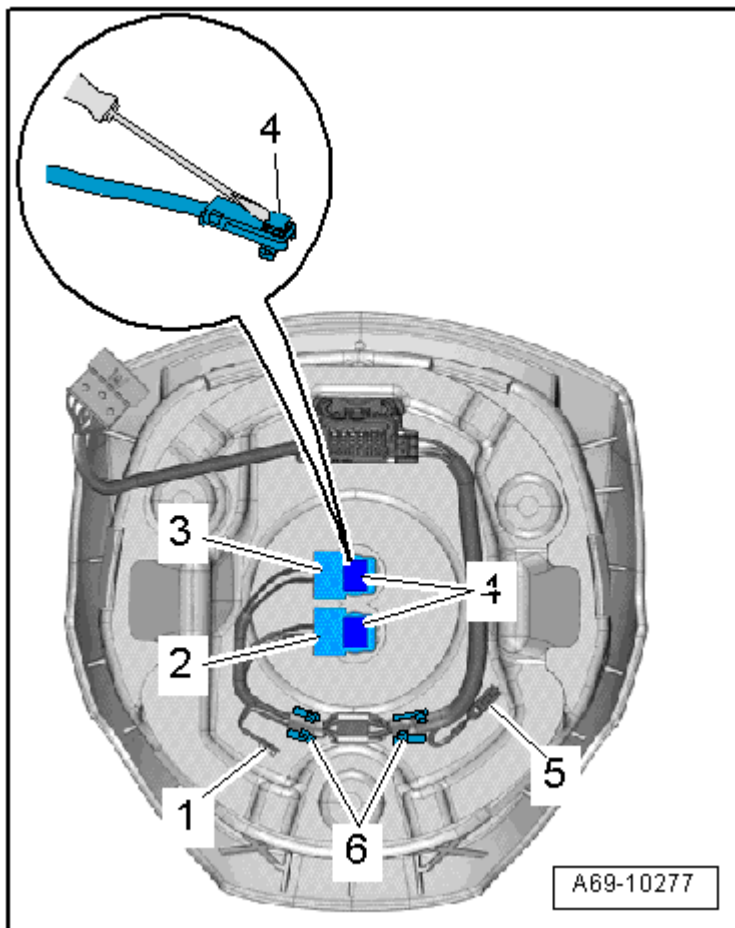


Fig. 35: Identifying Driver Airbag Connector
Courtesy of AUDI OF AMERICA, LLC

WARNING: Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.

-- Remove driver airbag DRIVER AIRBAG IGNITERS -N95- / -N250-.

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect the electrical connectors -1- and -5-.

-- Using a small screwdriver, release the connector retainers -4- and remove the electrical connectors -2- for the driver airbag igniter -N95- and -3- for the driver airbag igniter 2 -N250-.

-- Disengage the electrical wire at the brackets -6- and free it up.

Installing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-

Removing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow the additional safety precautions when working with the side airbag. Refer to SIDE AIRBAG ADDITIONAL SAFETY PRECAUTIONS.
 - Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

-- Remove the bench seat. Refer to **BENCH SEAT** .

-- Remove the screw -3-.

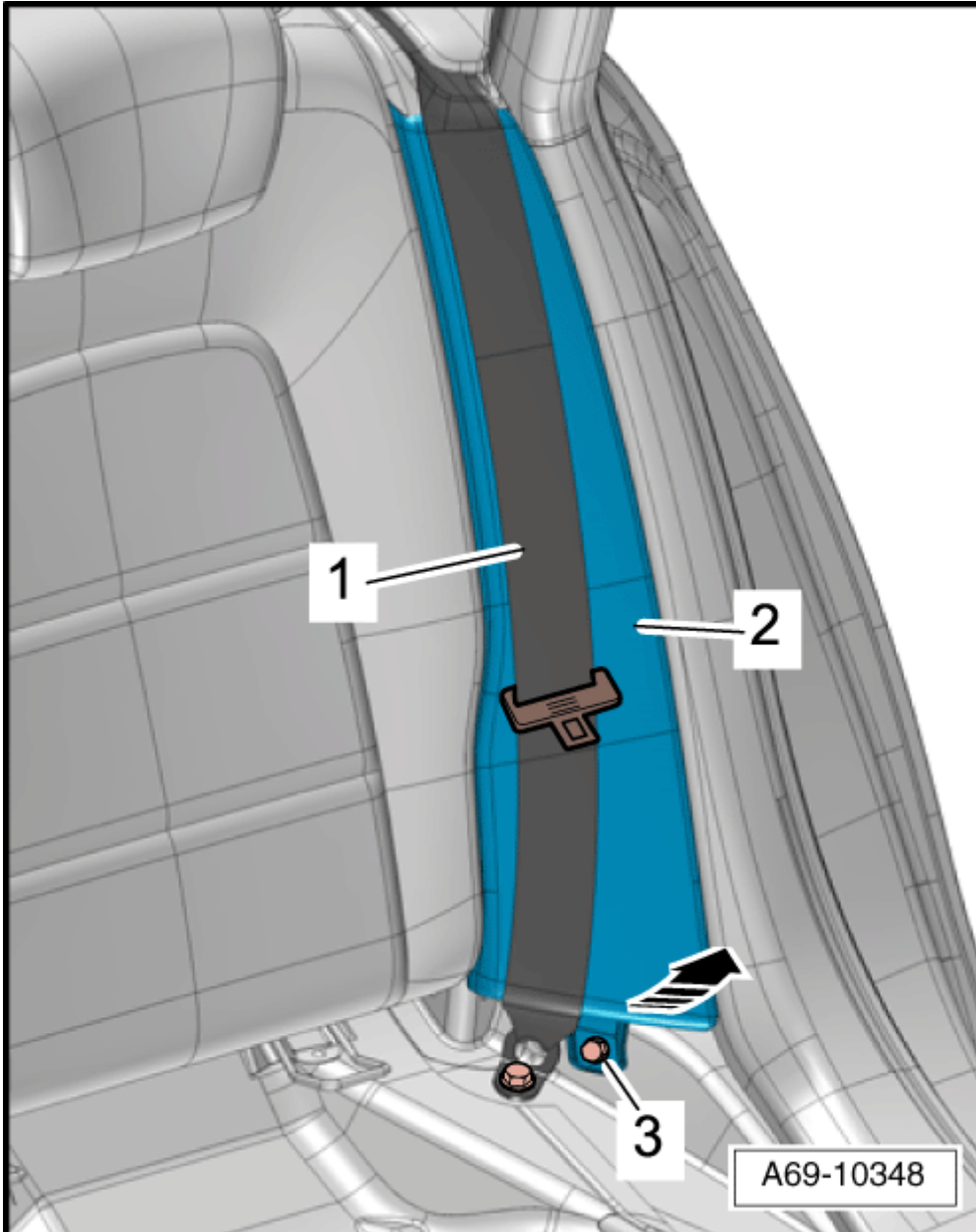


Fig. 36: Removing Side Airbag
Courtesy of AUDI OF AMERICA, LLC

-- Fold the backrest forward.

-- Hold the belt -1- to the side and remove the side airbag -2- -arrow-.

-- Pull the side airbag downward and remove it from the belt guide.

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Remove the side airbag far enough until it is possible to disconnect the side airbag electrical connector.

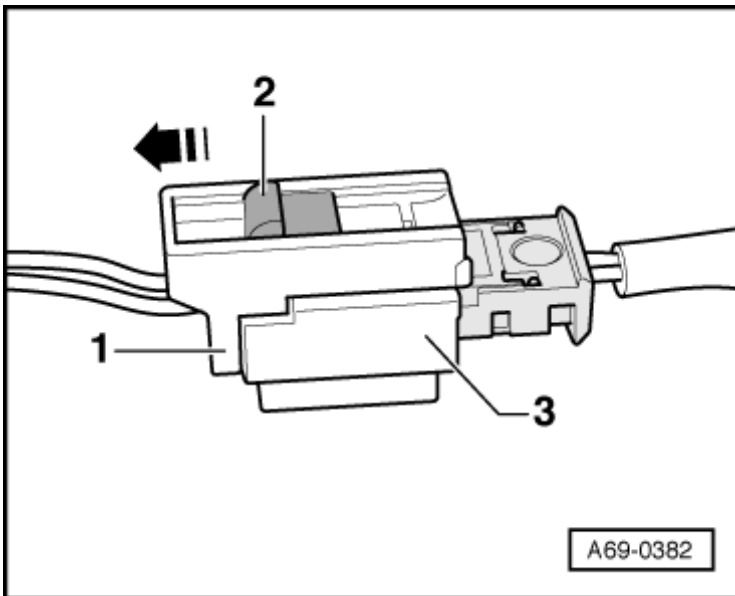


Fig. 37: Pulling Locking Mechanism And Disconnecting Electrical Harness Connectors

Courtesy of AUDI OF AMERICA, LLC

-- Push connector lock -2- to stop -arrow- ; this disconnects electrical connection -1- and -3- and it can be removed.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

-- First connect the upper side airbag into the belt guide.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

FRONT PASSENGER AIRBAG UNIT WITH IGNITERS -N131- / -N132-

Removing

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.
 - Follow the allocation of the airbag unit to the instrument panel.

NOTE: Starting in calendar week 45/2010, the igniter 2 shall be dropped from vehicles for the rest of the world except the USA.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the glove compartment GLOVE COMPARTMENT .

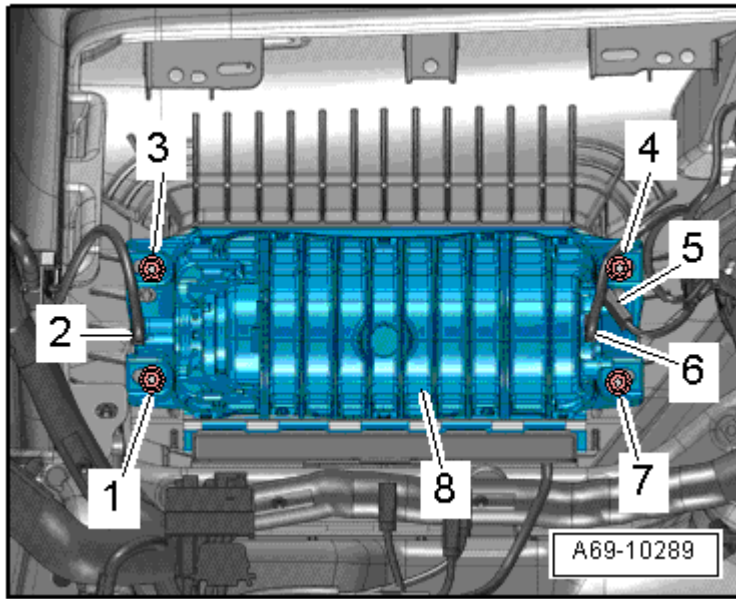


Fig. 38: Removing Front Passenger Airbag Igniter
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

- Disconnect the ground connector -5-.
- Disconnect the electrical connectors -2- for the front passenger airbag igniter 2 -N132- and -6- for the front passenger airbag igniter 1 -N131-.
- To do this, release the connector lock -3- using a small screwdriver -1- and remove the electrical connector -3-.

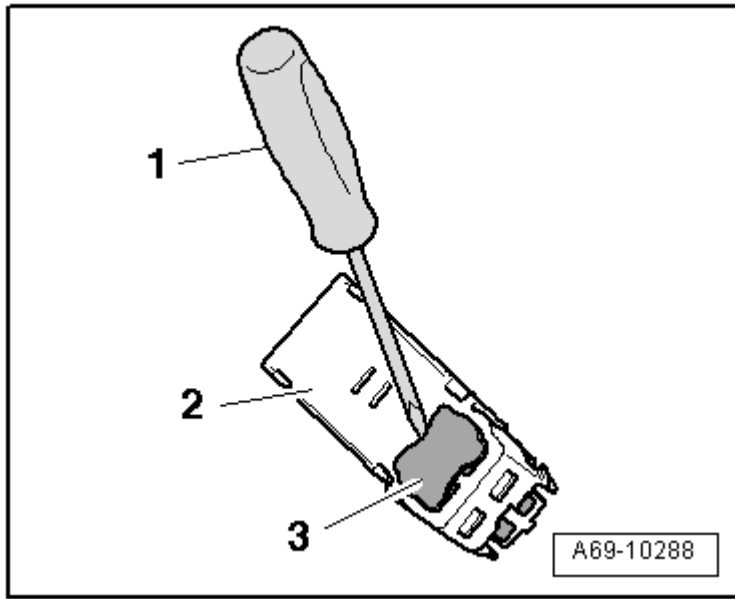


Fig. 39: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- Remove the nuts -1, 3, 4 and 7-.

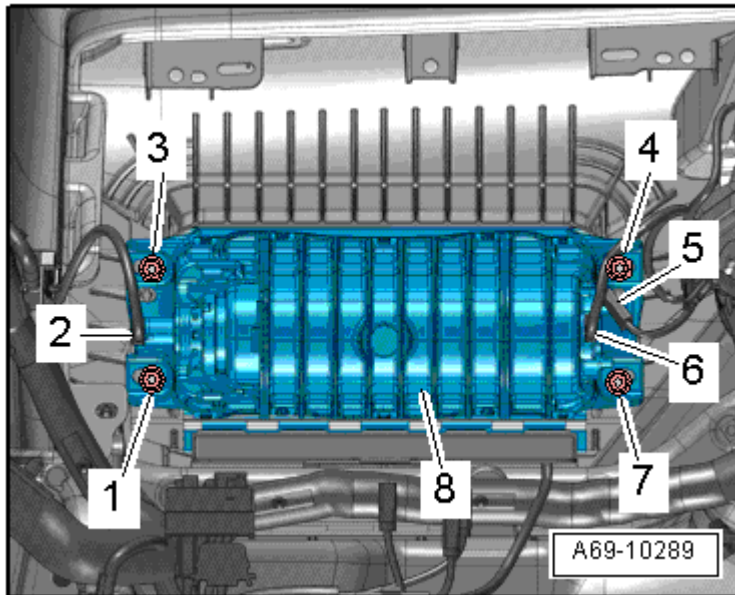


Fig. 40: Removing Front Passenger Airbag Igniter

Courtesy of AUDI OF AMERICA, LLC

-- Remove the passenger airbag -8- downward.

WARNING: Set the airbag down so the impact cushion faces upward.

Installing**WARNING:**

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

-- Replace the instrument panel after the airbag deploys INSTRUMENT PANEL .

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE:

If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

FRONT PASSENGER AIRBAG -DISABLED- INDICATOR LAMP -K145-

Removing

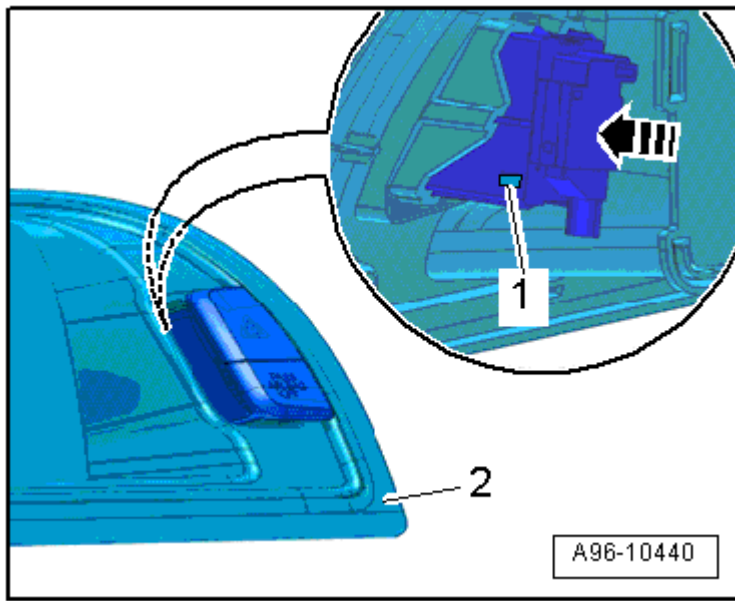


Fig. 41: Removing Passenger Airbag Indicator Lamp
 Courtesy of AUDI OF AMERICA, LLC

NOTE: The front passenger airbag disabled indicator lamp -K145- is located in a shared housing with the emergency flasher button -E229- and cannot be replaced separately if faulty.

-- Remove the MMI screen cover:

- Through MY 11, refer to MMI SCREEN COVER, THROUGH MY 11 .
- From MY 12, refer to MMI SCREEN COVER, FROM MY 12 .

-- Press the passenger airbag indicator lamp -1- out of the installation frame -2- -arrow-.

Installing

Install in reverse order of removal. Note the following:

-- Press the front passenger airbag disabled indicator lamp -K145- into the installation frame until it engages audibly.

FRONT THORAX AIRBAG IGNITER -N199- / -N200-

Removing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow the additional safety precautions when working with the side airbag. Refer to SIDE AIRBAG ADDITIONAL SAFETY PRECAUTIONS.

- **Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.**

-- Remove the front seat:

- Standard seat and sport seat (manual), refer to MANUAL STANDARD FRONT SEAT .
- Standard and sport power seat, comfort seat and super sport seat, refer to POWER STANDARD FRONT SEAT .

-- Attach the front seat to the VAS 6136 FRONT SEATS, INSTALLING ON THE Fixture For Seat Repair VAS 6136 .

-- Remove backrest panel:

- Two section backrest cover. Refer to BACKREST COVER (SECTION TWO) .
- One section backrest cover. Refer to BACKREST COVER (SECTION ONE) .

-- Remove the front backrest BACKREST FRONT .

-- Remove the cushion from the backrest until the side airbag bolt -7- is accessible BACKREST COVER AND PADDING ; to do this carefully pull off the seat cover -2- and the cushion -3- in the area around the side airbag.

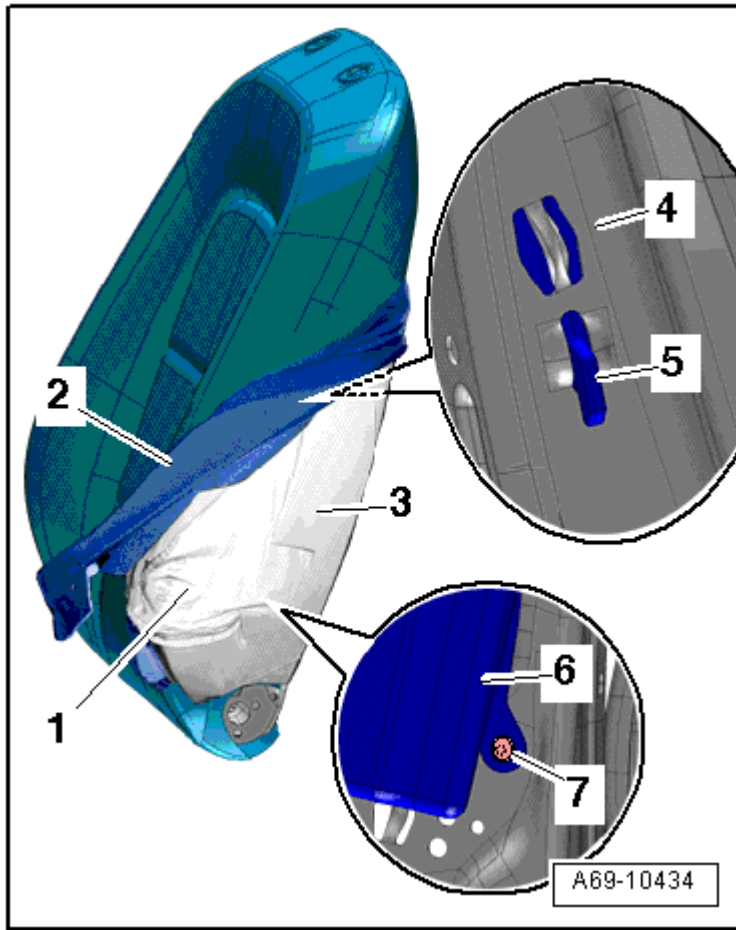


Fig. 42: Identifying Side Airbag Components

Courtesy of AUDI OF AMERICA, LLC

-- Remove the screw -7-.

Vehicles equipped with a manual adjustable seat:

-- Release the side airbag -6- and hook -5- from the backrest frame -4- and remove the airbag from the pocket sewn into the cover -1- downward while guiding the side air bag wiring harness.

Versions with power seats:

-- Release the side airbag -6- and the hook -5- from the backrest frame -4- and leave it in the pocket sewn into the cover -1-.

-- Remove the seat cover and cushion from the backrest and then remove the side airbag. Refer to **BACKREST COVER AND PADDING** .

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

-- The threaded bolt hole -7- must always be cleaned (for example, using a thread tap)

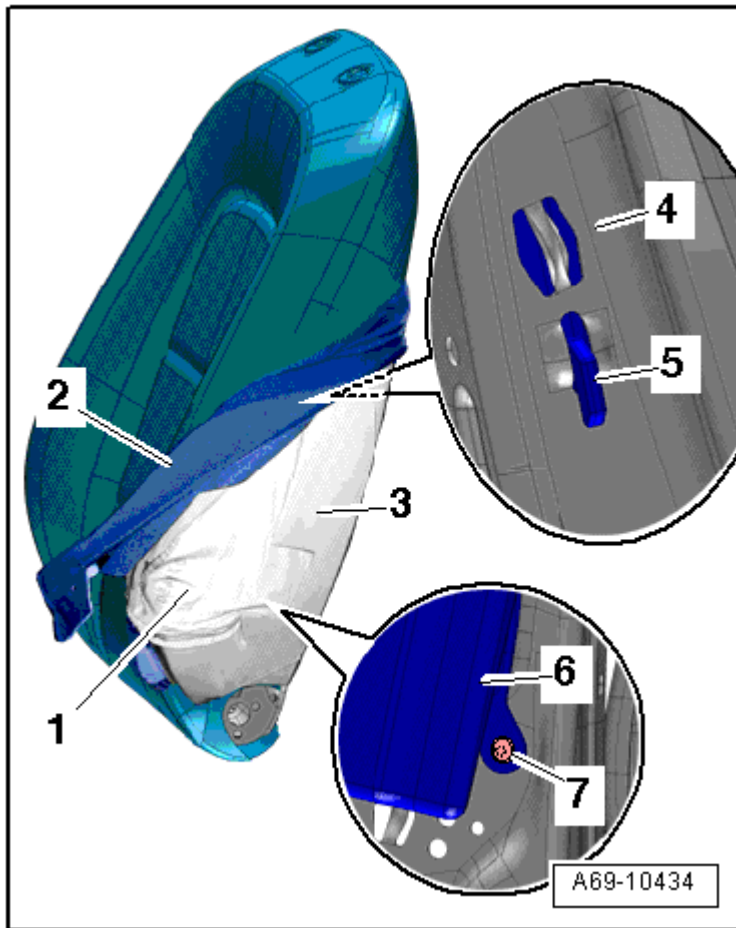


Fig. 43: Identifying Side Airbag Components
Courtesy of AUDI OF AMERICA, LLC

-- Replace the bolt each time it are removed.

-- Insert the bolt with locking compound.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-

Removing

-- Move the seats all the way forward and adjust the backrest to a 45° angle.

- WARNING:**
- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
 - Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the headliner and lay it on the seats, do not remove the windshield. Refer to HEADLINER .

-- Remove the clip -2- and, where applicable -1-.

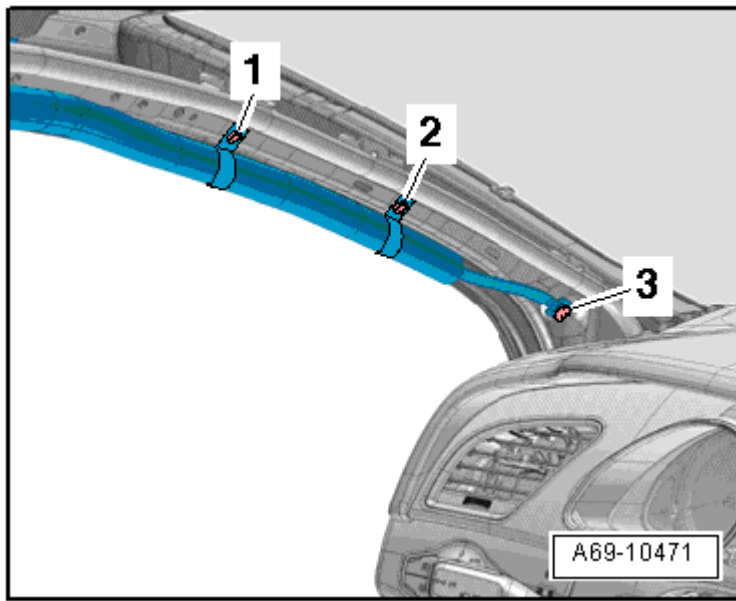


Fig. 44: Identifying Head Curtain Airbag
Courtesy of AUDI OF AMERICA, LLC

-- Remove head curtain airbag bolt -3- on the A-pillar.

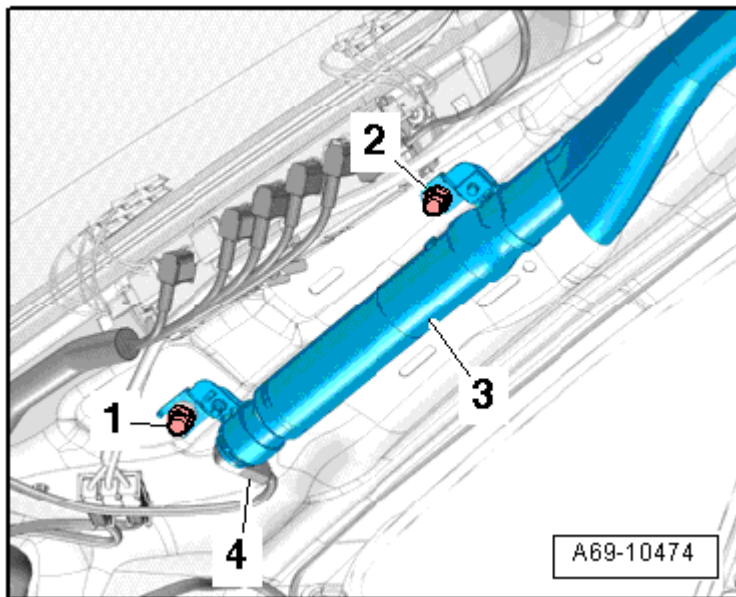


Fig. 45: Identifying Head Curtain Airbag
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect the connector -4-.

-- Release the connector lock -3- using a small screwdriver -1- and disconnect the electrical connector -2- from the gas generator.

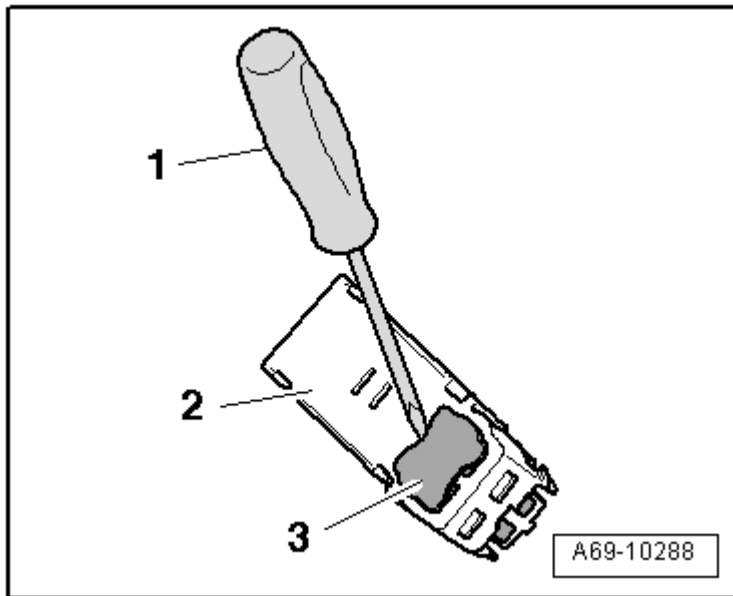


Fig. 46: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- Remove cap nuts -1- and -2-.

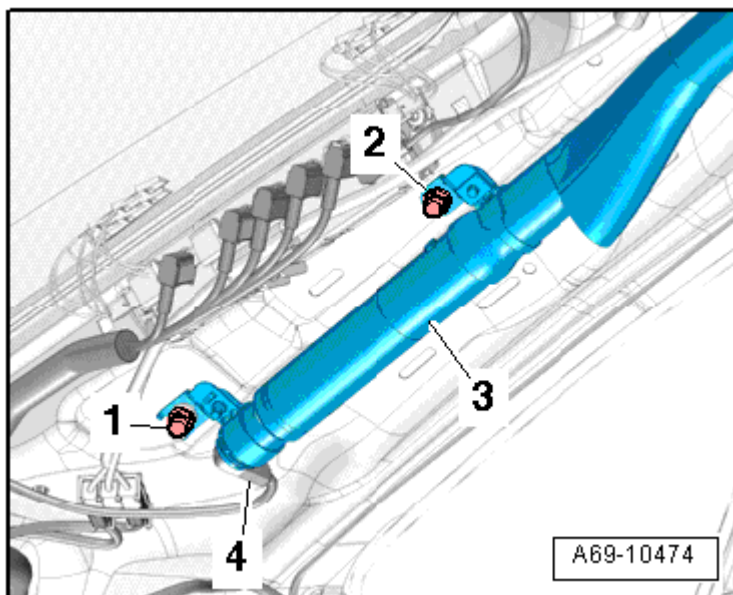


Fig. 47: Identifying Head Curtain Airbag

Courtesy of AUDI OF AMERICA, LLC

-- Disengage the side curtain airbag retaining tab clips -1- from the body by pressing the locking mechanisms together -arrows- using needle nose pliers or o-ring pliers.

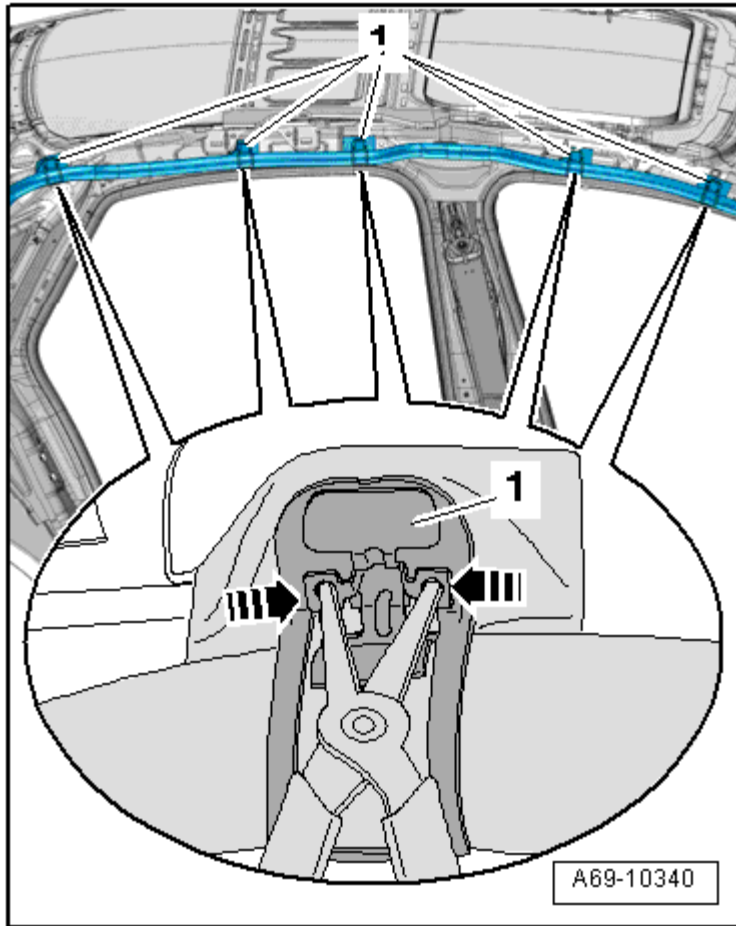


Fig. 48: Removing Side Curtain Airbag Retaining Tab Clips
Courtesy of AUDI OF AMERICA, LLC

-- Remove side curtain airbag from vehicle.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Always follow side curtain airbag installation procedure.

Install in reverse order of removal. Note the following:

NOTE:

- Replace self-locking nuts and screws when assembling.
- Always clean the threaded bolt holes, for example using a thread tap.

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Clip the side curtain airbag retaining tab clips -1- onto the body.

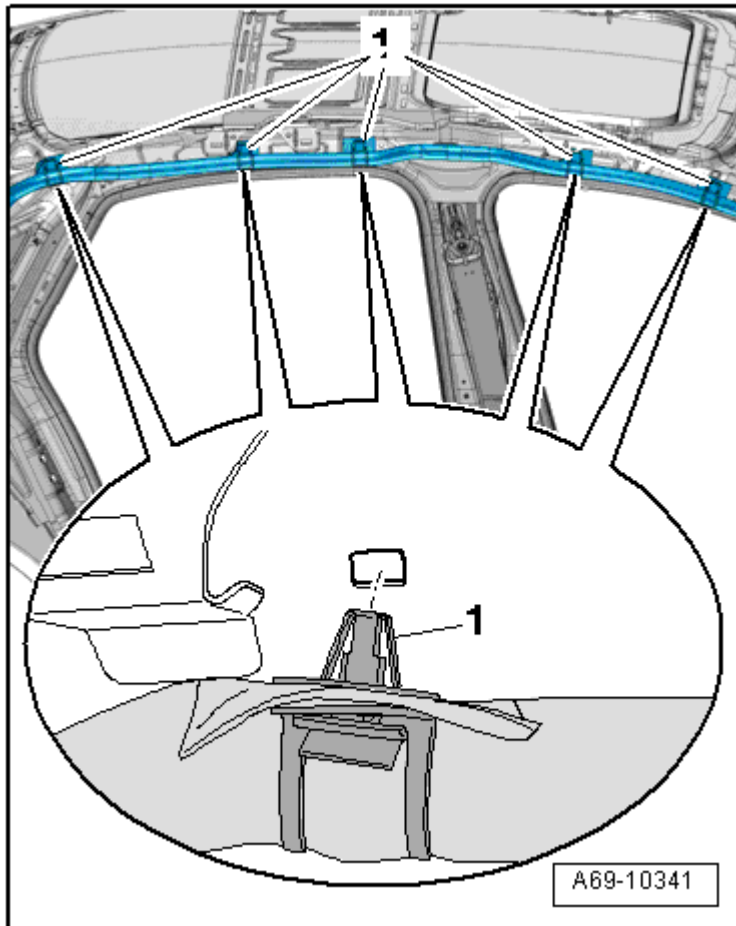


Fig. 49: Installing Side Curtain Airbag Retaining Tab Clips
Courtesy of AUDI OF AMERICA, LLC

-- Engage gas generator -3- on the bolt and tighten cap nuts -1- and -2- by hand.

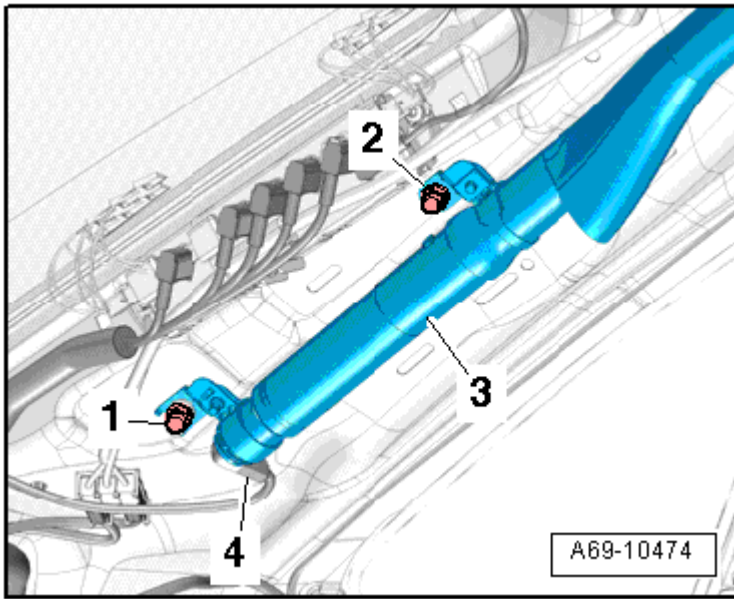


Fig. 50: Identifying Head Curtain Airbag
Courtesy of AUDI OF AMERICA, LLC

-- Tighten cap nuts -1- and -2-.

NOTE: A ground cable is also bolted into place with a cap nut on the right side of the vehicle -1-.

-- Connect the electrical connector -4-.

-- Connect the connector -1- on the side curtain airbag igniter -2-.

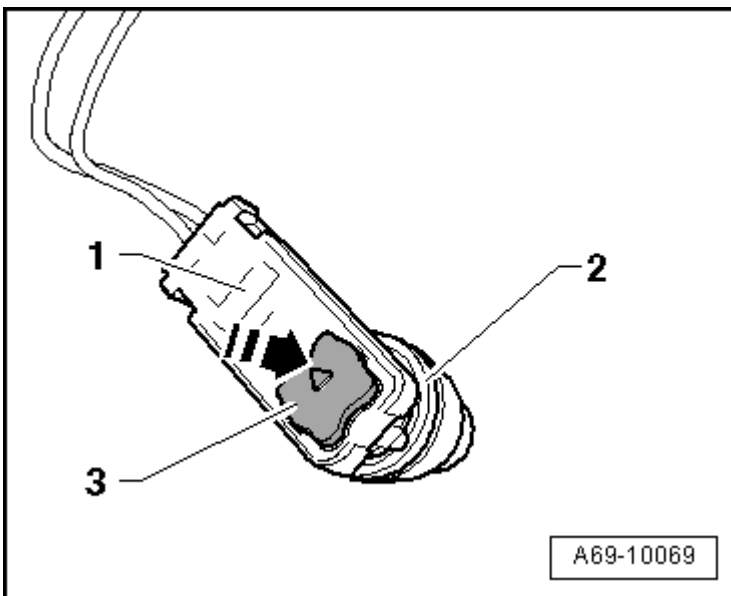


Fig. 51: Identifying Connector On Pyrotechnic Belt Tensioner Ignition Pill And Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- Press in the plug connector -3- in the direction of the -arrow-. This slides the connector into the side curtain airbag as far as the stop and locks it.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.
- Replace the clips for the head curtain airbag.
- If it has been installed at the factory with 1 clip and a double adhesive strip, then install using 2 clips when reinstalling.

-- Secure the side curtain airbag with 2 clips -1- and -2-.

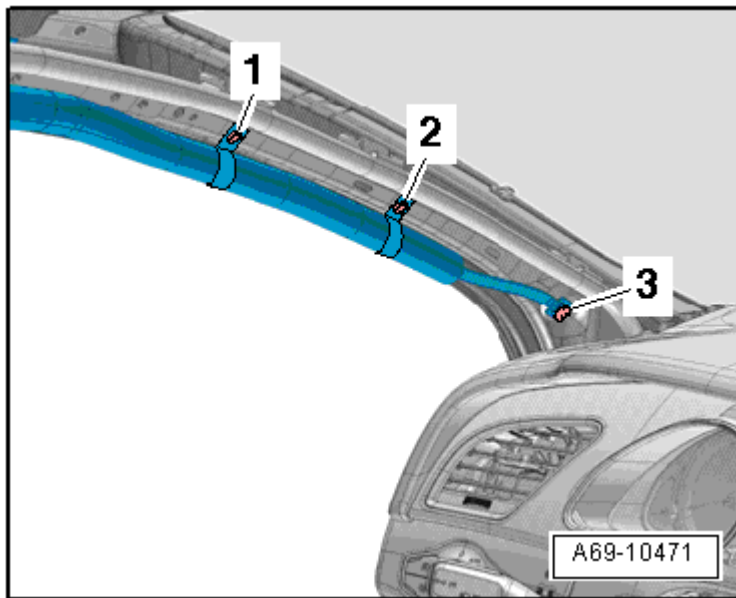


Fig. 52: Identifying Head Curtain Airbag
Courtesy of AUDI OF AMERICA, LLC

-- Tighten head curtain airbag bolt -3- on the A-pillar.

-- Install the headliner **HEADLINER** .

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

HEAD CURTAIN AIRBAG WITH IGNITER -N251- / -N252-, AVANT

Removing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the clip -2- and, where applicable -1-.

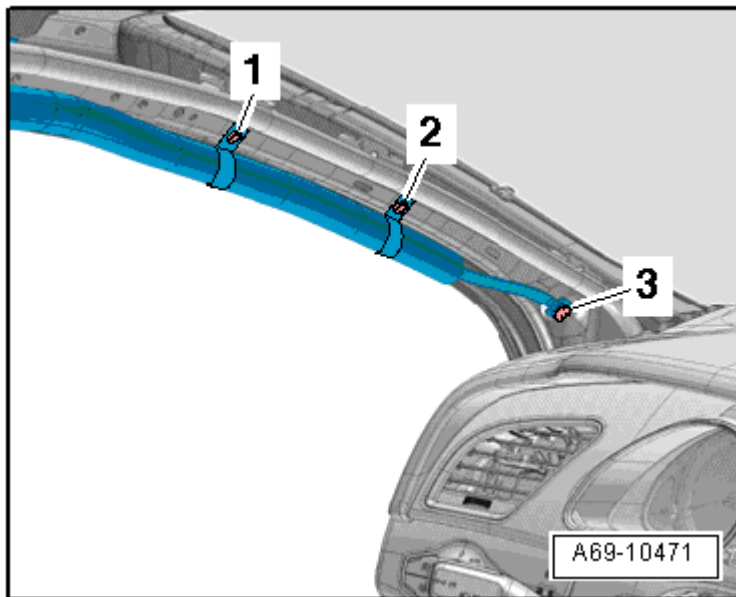


Fig. 53: Identifying Head Curtain Airbag
Courtesy of AUDI OF AMERICA, LLC

-- Remove head curtain airbag bolt -3- on the A-pillar.

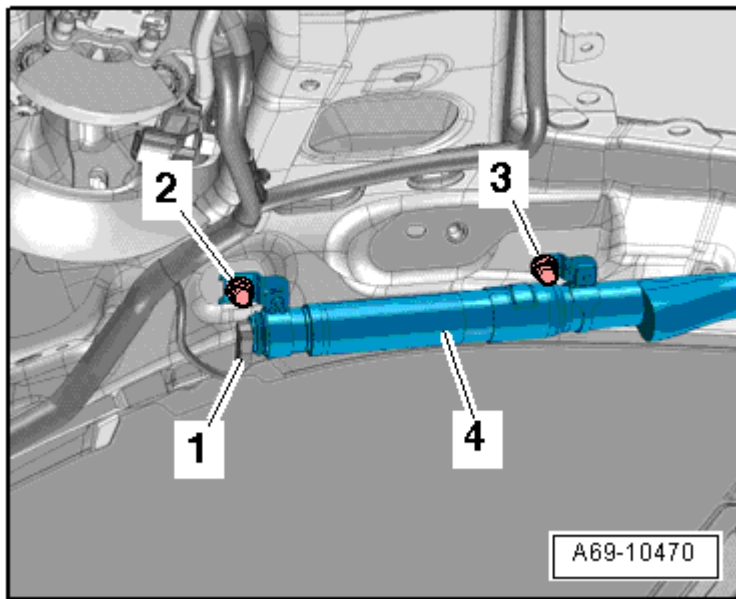


Fig. 54: Identifying Head Curtain Airbag Components
Courtesy of AUDI OF AMERICA, LLC

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect the connector -1-.

-- Release the connector lock -3- using a small screwdriver -1- and disconnect the electrical connector -2- from the gas generator.

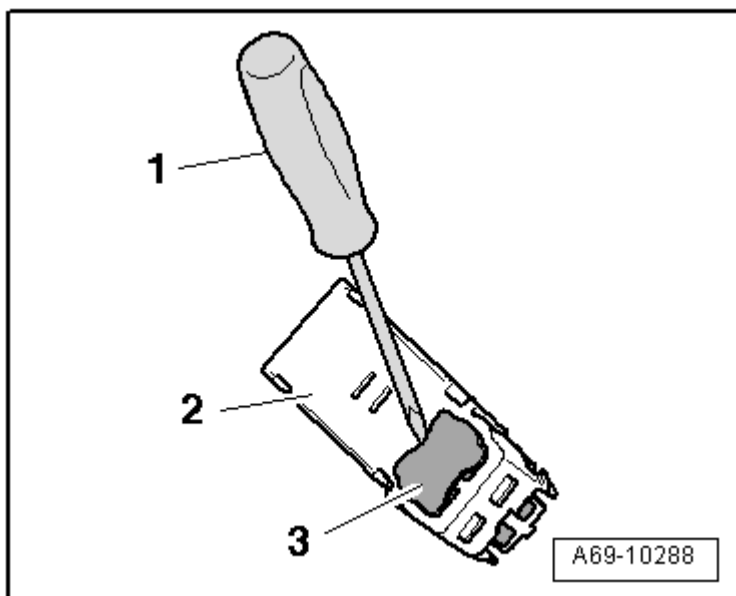
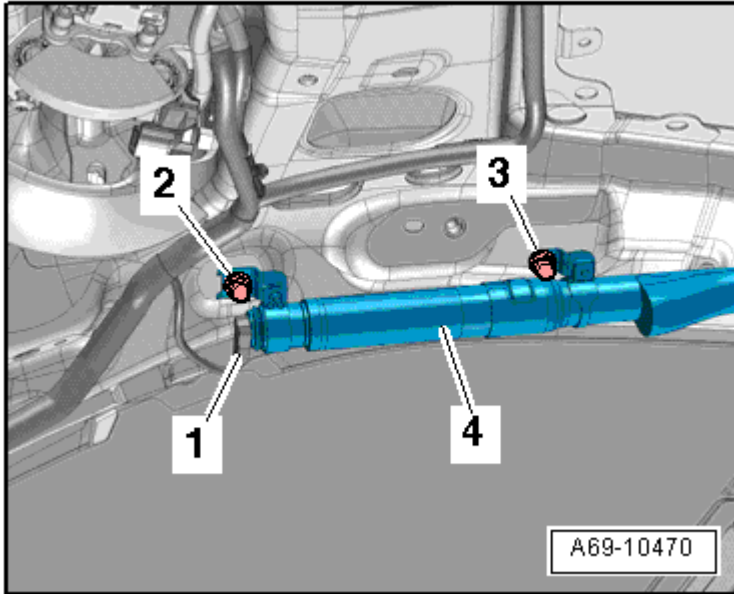


Fig. 55: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- Remove cap nuts -2- and -3-.

**Fig. 56: Identifying Head Curtain Airbag Components**

Courtesy of AUDI OF AMERICA, LLC

-- Disengage the side curtain airbag retaining tab clips -1- from the body by pressing the locking mechanisms together -arrows- using needle nose pliers or o-ring pliers.

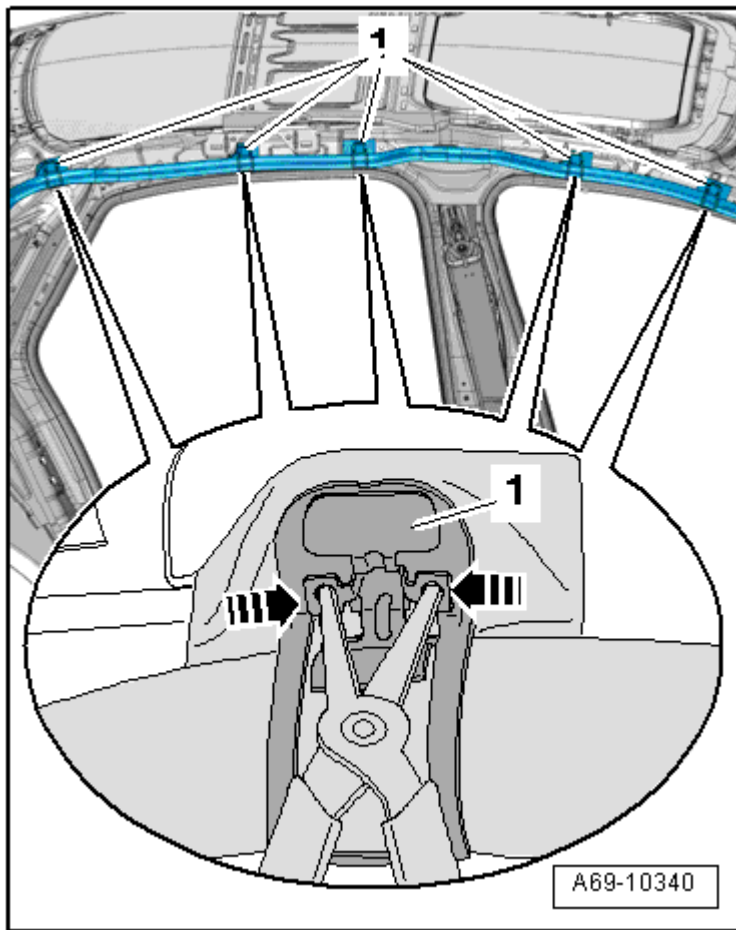


Fig. 57: Removing Side Curtain Airbag Retaining Tab Clips
Courtesy of AUDI OF AMERICA, LLC

-- Remove side curtain airbag from vehicle.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Always follow side curtain airbag installation procedure.

Install in reverse order of removal. Note the following:

NOTE:

- Replace self-locking nuts and screws when assembling.
- Always clean the threaded bolt holes, for example using a thread tap.

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Clip the side curtain airbag retaining tab clips -1- onto the body.

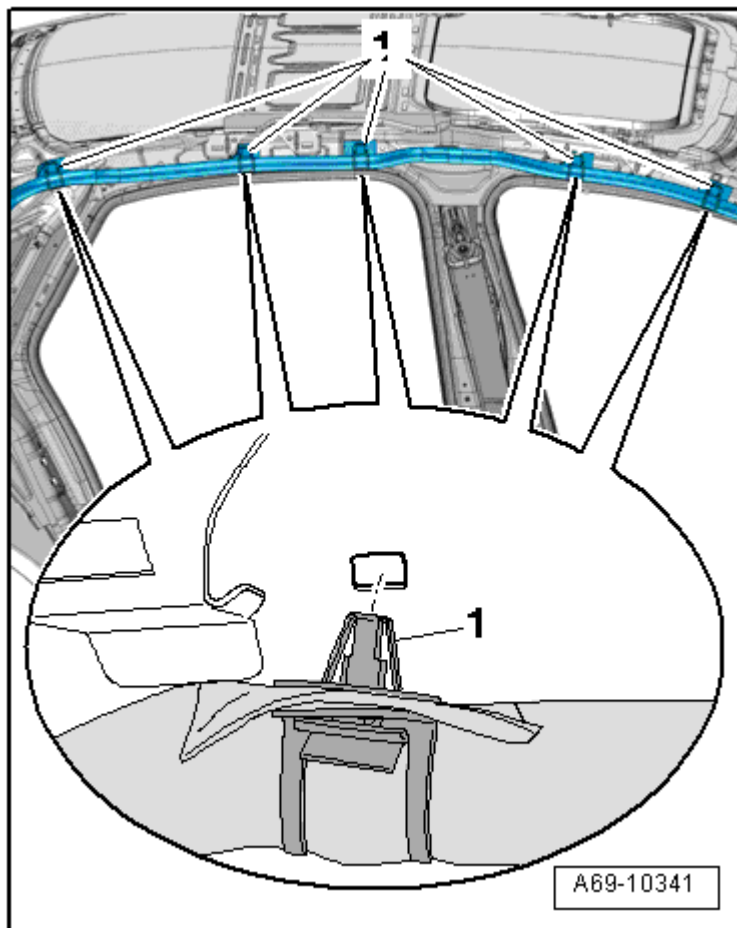


Fig. 58: Installing Side Curtain Airbag Retaining Tab Clips
Courtesy of AUDI OF AMERICA, LLC

-- Engage gas generator -4- on the bolt and tighten cap nuts -2- and -3- by hand.

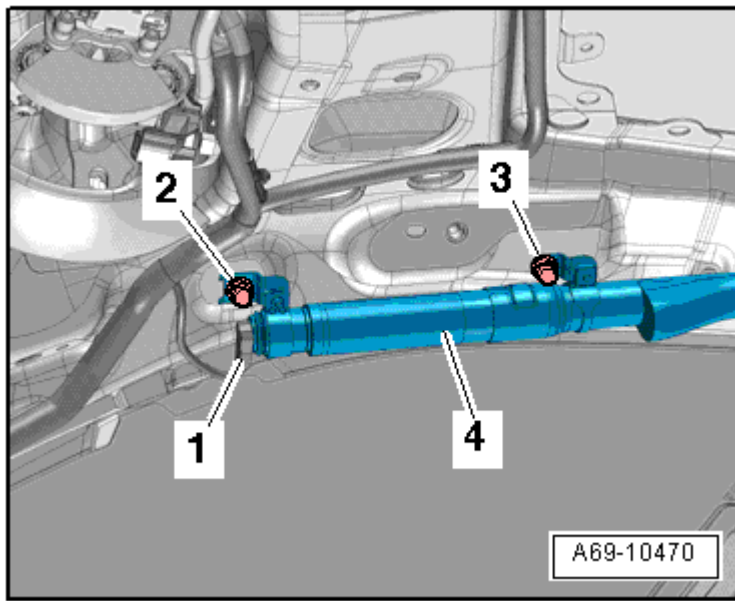


Fig. 59: Identifying Head Curtain Airbag Components
 Courtesy of AUDI OF AMERICA, LLC

-- Tighten cap nuts -2- and -3-.

NOTE: Two ground cables are also bolted into place with a cap nut on the right side of the vehicle -2-.

-- Connect the electrical connector -1-.

-- Connect the connector -1- on the side curtain airbag igniter -2-.

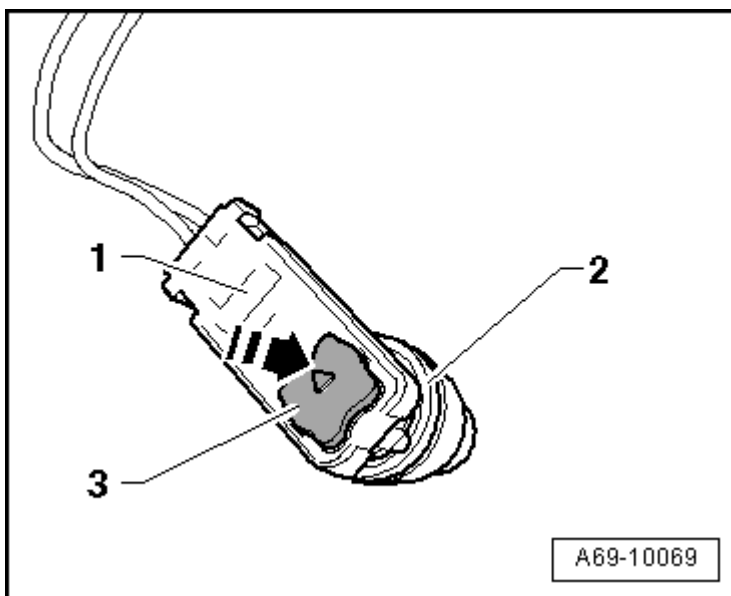


Fig. 60: Identifying Connector On Pyrotechnic Belt Tensioner Ignition Pill And Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- Press in the plug connector -3- in the direction of the -arrow-. This slides the connector into the side curtain airbag as far as the stop and locks it.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.
- Replace the clips for the head curtain airbag.
- If it has been installed at the factory with 1 clip and a double adhesive strip, then install using 2 clips when reinstalling.

-- Secure the side curtain airbag with 2 clips -1- and -2-.

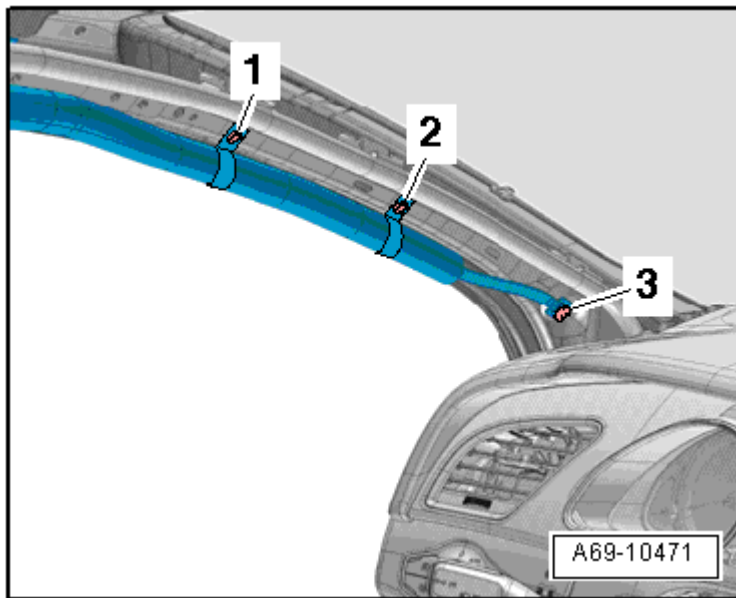


Fig. 61: Identifying Head Curtain Airbag

Courtesy of AUDI OF AMERICA, LLC

-- Tighten head curtain airbag bolt -3- on the A-pillar.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE:

If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle

Diagnostic Tester.**PASSENGER OCCUPANT DETECTION SYSTEM SENSOR**

NOTE: The front passenger seat occupant sensor -G128- is only installed in the front seat.

Special tools and workshop equipment required

- Hot Air Blower VAS 1978/14A, for the comfort seat only

Removing**WARNING:**

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Remove the front seat on the passenger side:

- Standard seat and Sport seat (manual) MANUAL STANDARD FRONT SEAT .
- Standard and Sport Power Seat, Comfort Seat and Super Sport Seat. Refer to POWER STANDARD FRONT SEAT .

-- Attach the front seat to the VAS 6136 FRONT SEATS, INSTALLING ON THE Fixture For Seat Repair VAS 6136 .

-- Separate the cover from the upholstery (seat pan). Refer to COVER AND PADDING, LOWER SEAT FRAME WITHOUT SEAT DEPTH ADJUSTER, SEPARATING AND CONNECTING .

NOTE: Remove only enough of the cushion so that the seat occupied sensor is accessible.

Standard seat and sport seat (manual or power):

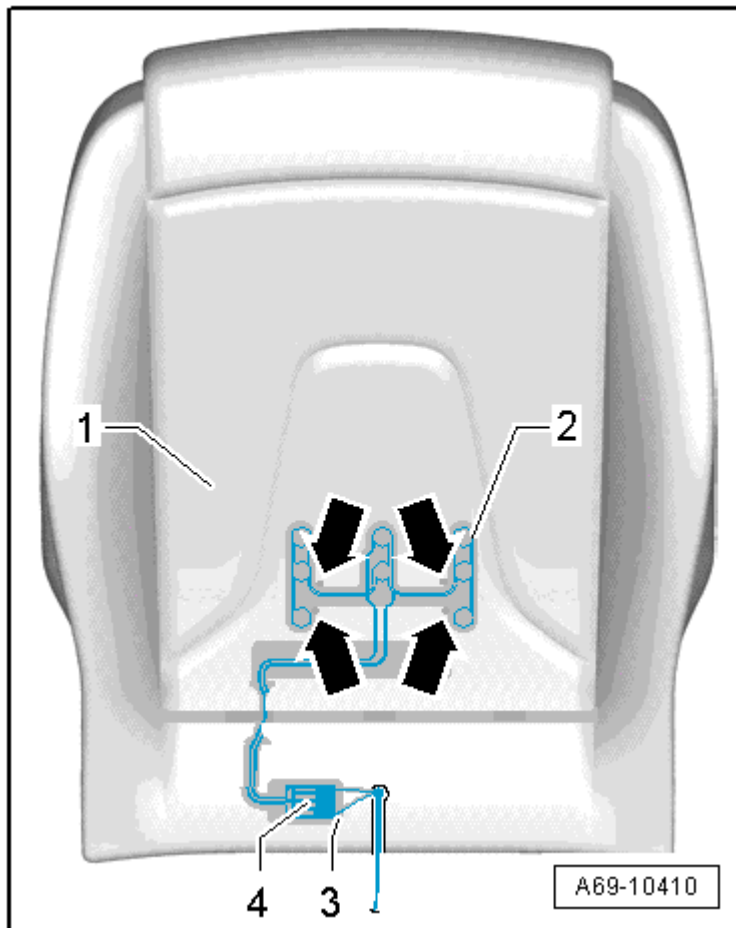


Fig. 62: Removing Seat Occupant Sensor

Courtesy of AUDI OF AMERICA, LLC

-- Remove the seat occupied sensor connector.

-- Carefully remove seat occupant sensor -2- including circuit board -4- from seat cushion -1-.

NOTE: Do not pay attention to the -arrows-.

Comfort seat:

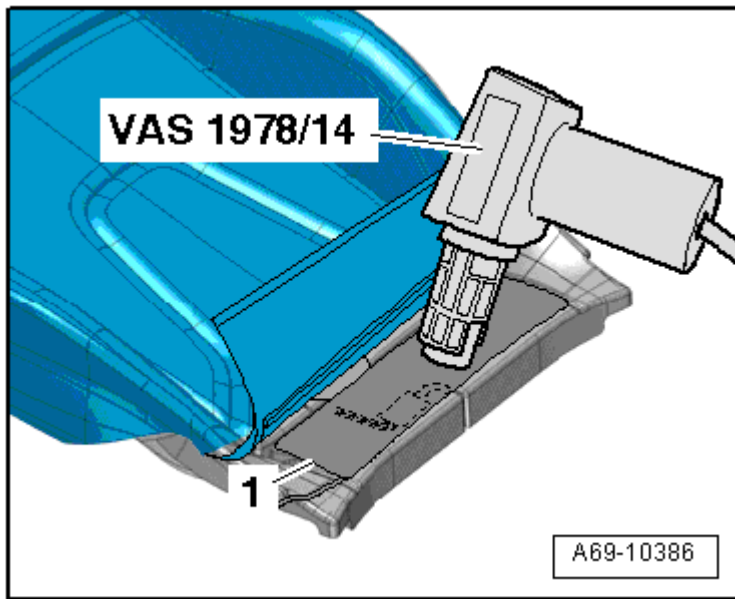


Fig. 63: Warming Heating Element With Tool, VAS 1978/14
Courtesy of AUDI OF AMERICA, LLC

- Carefully warm the heating element -1- on the left side using the hot air gun VAS 1978/14.
- Remove the seat heating element -2- -arrow- until the seat occupied sensor -1- is freed up.

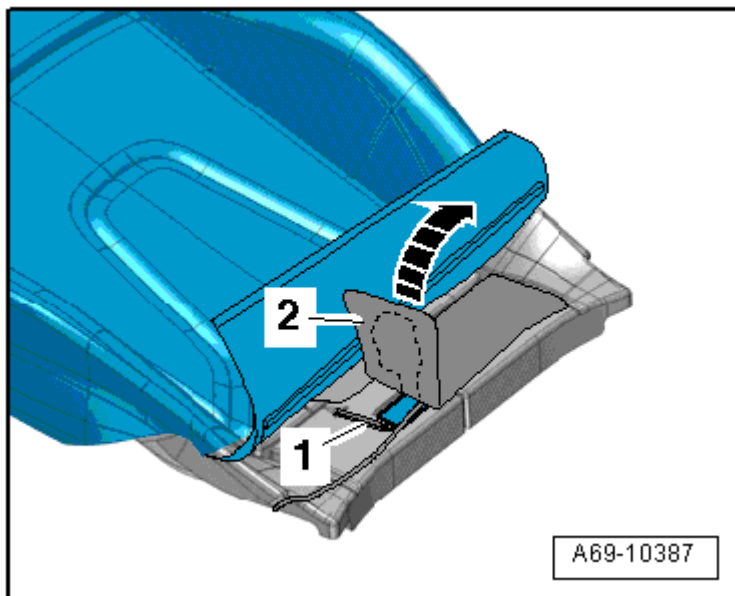


Fig. 64: Removing Seat Heating Element
Courtesy of AUDI OF AMERICA, LLC

- Remove the seat occupied sensor connector.

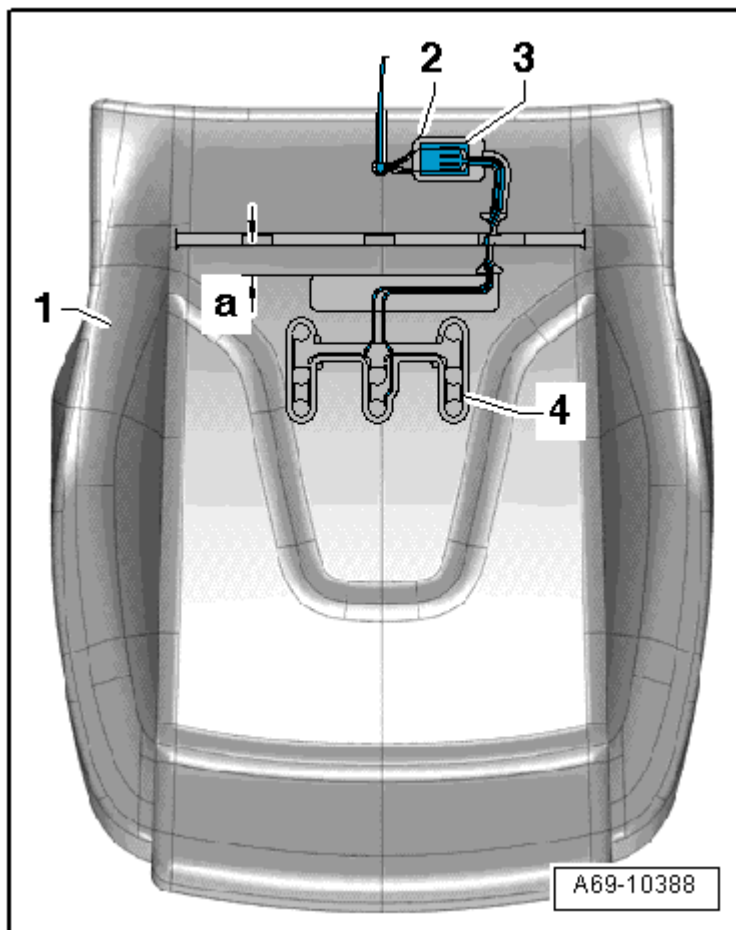


Fig. 65: Removing Seat Occupant Sensor
 Courtesy of AUDI OF AMERICA, LLC

-- Carefully remove seat occupant sensor -4- including circuit board -3- from seat cushion -1-.

Super sport seat:

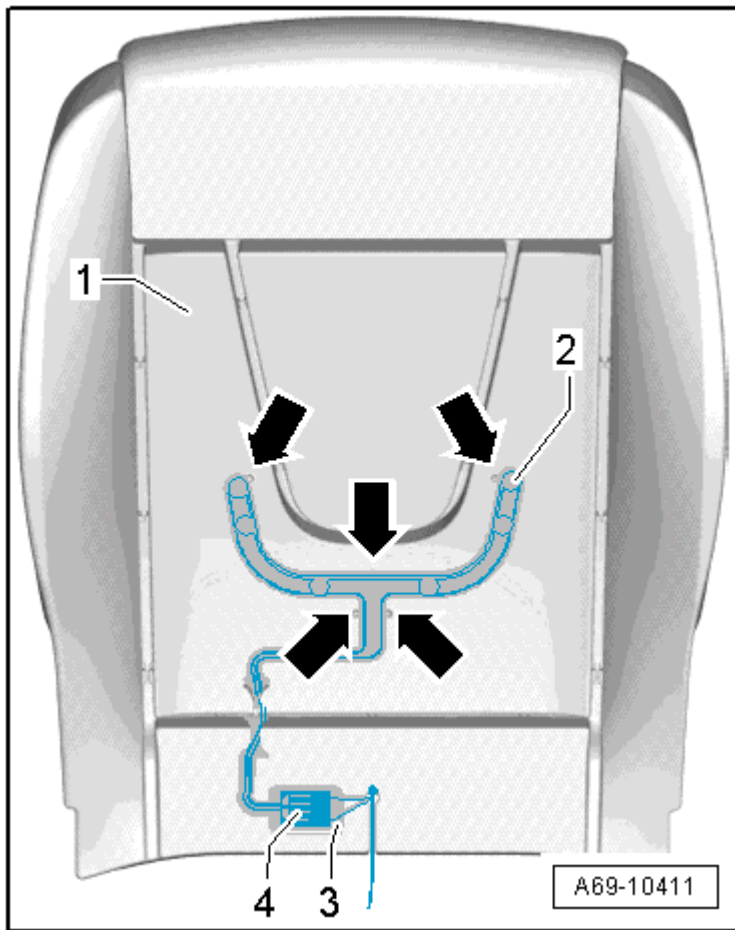


Fig. 66: Identifying Seat Occupied Sensor Connector
 Courtesy of AUDI OF AMERICA, LLC

-- Remove the seat occupied sensor connector -2-.

-- Carefully remove seat occupant sensor -2- including circuit board -4- from seat cushion -1-.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must "discharge static electricity". For example, by briefly touching the door striker pin.

Standard seat and sport seat (manual or power):

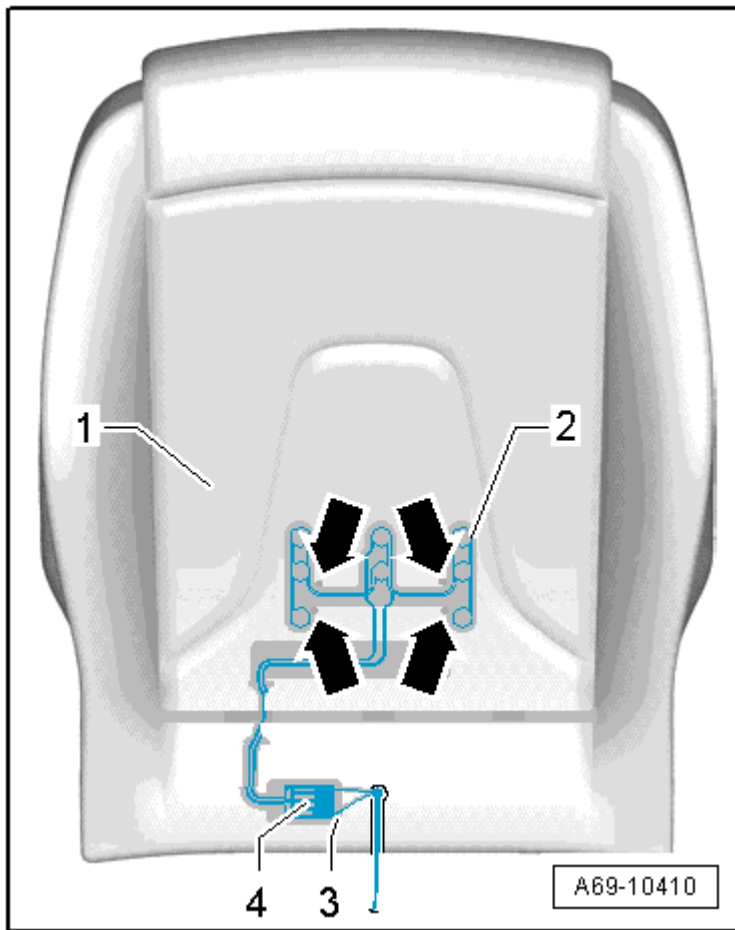


Fig. 67: Removing Seat Occupant Sensor
Courtesy of AUDI OF AMERICA, LLC

- Position circuit board -4- for seat occupant sensor -2- in opening -3- in seat cushion -1-.
- Align the seat occupied sensor on the seat upholstery according to the markings -arrows-.

CAUTION: The new seat occupied sensor should be installed in the same location on the seat upholstery as the old seat occupied sensor.

- Remove the protective film and bond the seat occupied sensor firmly to the upholstery.

Comfort seat:

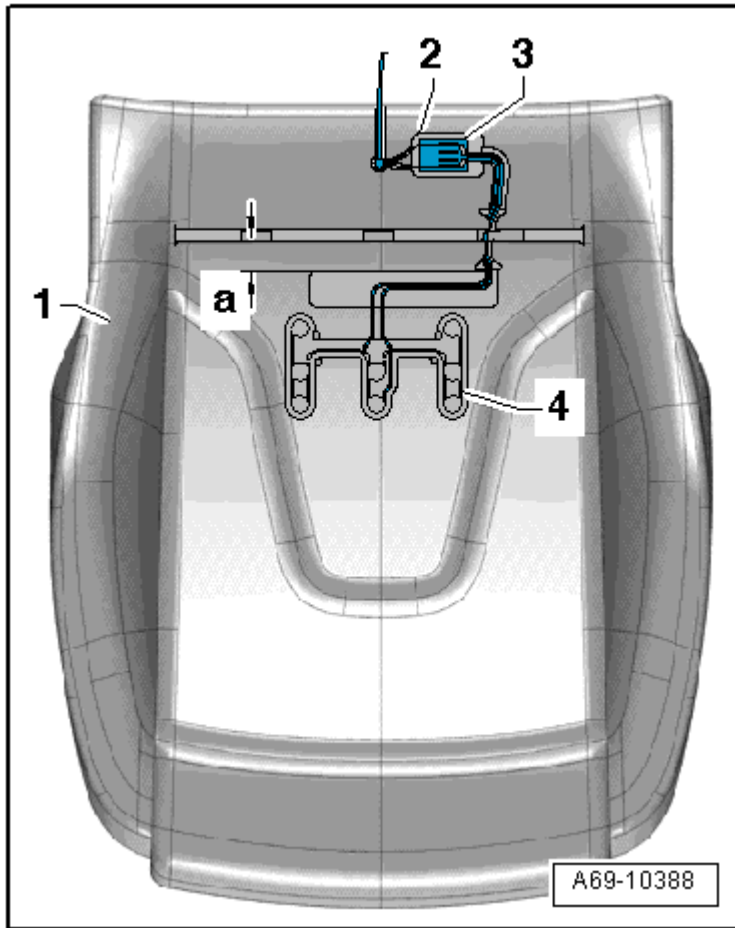


Fig. 68: Removing Seat Occupant Sensor
Courtesy of AUDI OF AMERICA, LLC

- Position circuit board -3- for seat occupant sensor -4- in opening -2- in seat cushion -1-.
- Align the seat occupied sensor on the seat upholstery according to the markings -a-.
- Dimension -a- = 20 mm (0.78 in)

CAUTION: The new seat occupied sensor should be installed in the same location on the seat upholstery as the old seat occupied sensor.

- Remove the protective film and bond the seat occupied sensor firmly to the upholstery.

Super sport seat:

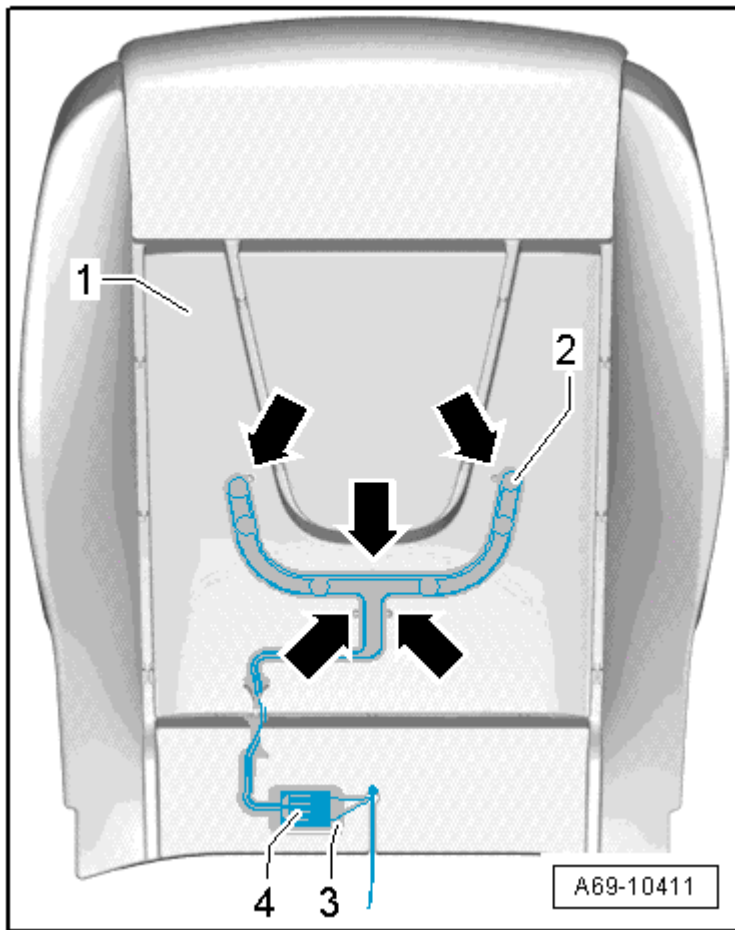


Fig. 69: Identifying Seat Occupied Sensor Connector
Courtesy of AUDI OF AMERICA, LLC

- Position circuit board -4- for seat occupant sensor -2- in opening -3- in seat cushion -1-.
- Align the seat occupied sensor -2- on the seat upholstery -1- according to the markings -arrows-.

CAUTION: The new seat occupied sensor should be installed in the same location on the seat upholstery as the old seat occupied sensor.

- Remove the protective film and bond the seat occupied sensor -2- firmly to the upholstery -1-.

Procedure for all seat versions:

Installation is performed in reverse order of removal, noting the following:

NOTE:

- Make sure the seat occupied sensor is not covered by the seat heater element heating coils.
- Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

PASSENGER OCCUPANT DETECTION SYSTEM

- WARNING:**
- Follow all safety precautions when working with pyrotechnic components GENERAL INFORMATION and on the passenger occupant detection system PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS.
 - Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

WARNING: The passenger occupant detection system service kit is precalibrated and must not be disconnected. The service kit consists of:

- Passive Occupant Detection System Control Module -J706
- Passive Occupant Detection System Pressure Sensor -G452
- Passive Occupant Detection System Mat
- Seat cushion
- Wiring harness between the passenger occupant detection system control module -J706 and passenger occupant detection system pressure sensor -G452.

Removing

-- Move the seat height to the middle position before removing the seat.

-- Remove the front passenger seat. Refer to POWER STANDARD FRONT SEAT .

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Attach the front seat to the VAS 6136. Refer to FRONT SEATS, INSTALLING ON THE Fixture For Seat Repair VAS 6136 .

-- Remove the front backrest. Refer to **BACKREST FRONT** .

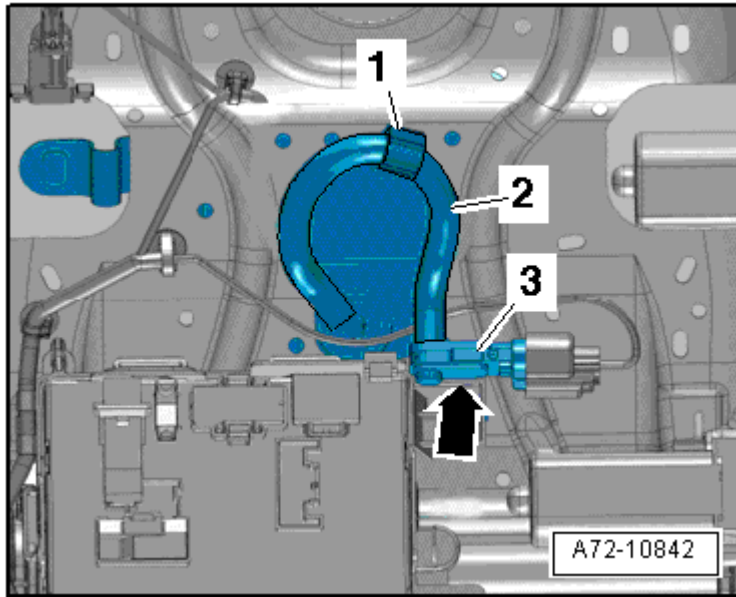


Fig. 70: Identifying Hose Guide, Pressure Hose And Spring
Courtesy of AUDI OF AMERICA, LLC

CAUTION: Do not disconnect the electrical connectors on the seat occupied recognition pressure sensor -G452- and the seat occupied recognition control module -J706-.

-- Using a narrow screwdriver, carefully press the seat occupied recognition pressure sensor -G452- -3- off the bracket -arrow-.

-- Open the seat occupied recognition pressure hose guide -1- and free up the pressure hose -2-.

-- Release the retaining spring -1- and tilt the seat occupied recognition control module -J706- -2- out of the mount.

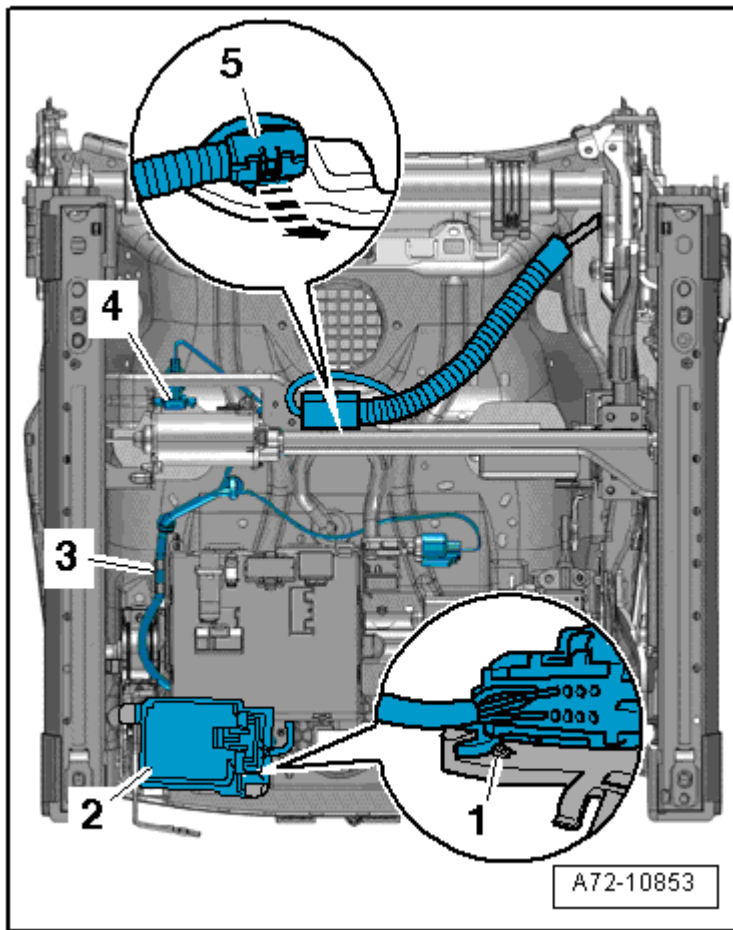


Fig. 71: Identifying Retaining Spring, Passenger Occupant Detection System Control Module, Connector And Electrical Wiring Harness

Courtesy of AUDI OF AMERICA, LLC

- Remove the electrical connector -4- from the bracket by pressing the release and removing the electrical connector.
- Open the retaining tab on the electrical wiring harness guide -5- -arrow- and free up the wiring harness -3-.
- Remove the screw -3-.

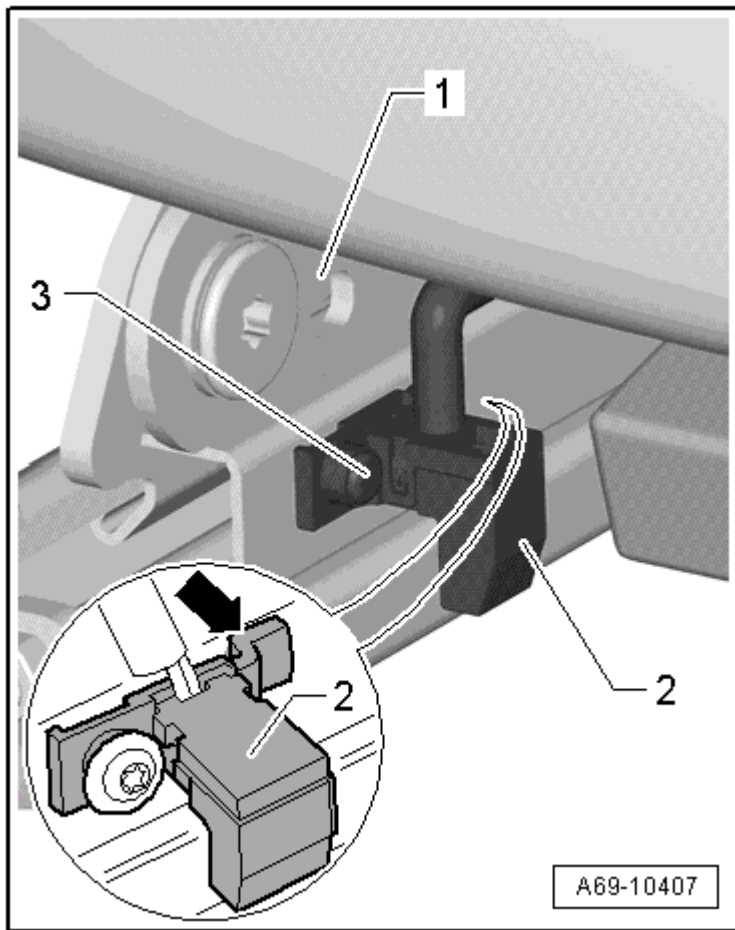


Fig. 72: Removing Front Passenger Seat Position Sensor
Courtesy of AUDI OF AMERICA, LLC

- Remove the front passenger seat position sensor -G554- -2- while guiding the guide tab -arrow- out of the seat pan lower frame -1-.
- Remove the seat pan cover and upholstery (seat pan without seat depth adjuster) **COVER AND PADDING, LOWER SEAT FRAME WITHOUT SEAT DEPTH ADJUSTER** and fold to the side carefully.
- Carefully pry out the seat occupied recognition mat clips -1- and -3- on the front of the seat pan using an 80 - 200.

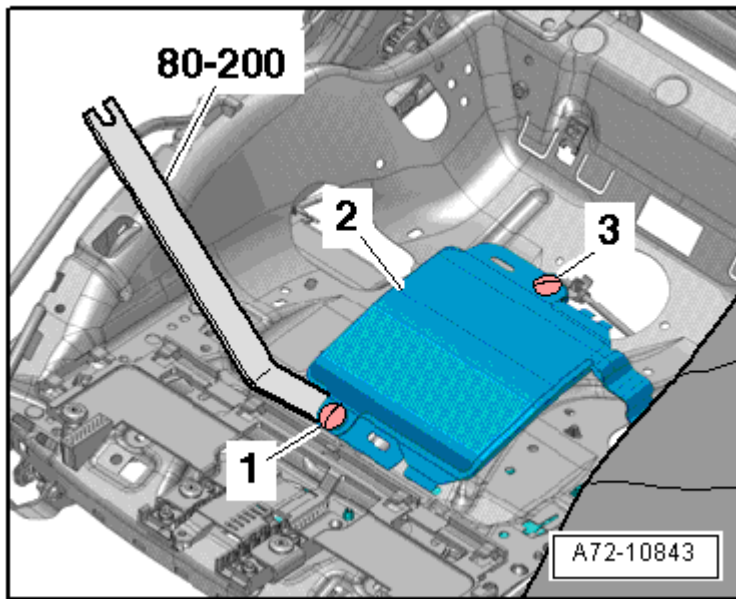


Fig. 73: Identifying Mat Clips, Pry Lever And Passenger Occupant Detection System Pressure Sensor
 Courtesy of AUDI OF AMERICA, LLC

-- Remove the seat pan cover and cushion by first guiding the passenger occupant detection system pressure sensor -G452- together with the wiring harness out through the opening in the seat pan. Then the passenger occupant detection system control module -J706- must be guided out through the opening.

WARNING: Damage risk.

- **Do not bend the seat occupied recognition pressure hose and mat.**

-- Remove the seat pan cover with upholstery with the seat occupied recognition mat -2-, the seat occupied recognition pressure sensor -G452- and the seat occupied recognition control module -J706-.

-- Separate the cover from the seat pan upholstery **BACKREST COVER AND PADDING, SEPARATING AND CONNECTING**.

Installing

CAUTION: Do not disconnect the electrical connectors on the seat occupied recognition pressure sensor -G452- and the seat occupied recognition control module -J706-.

-- Clean the threaded bolt holes for self-locking nuts, for example using a thread tap.

-- Replace all self-locking bolts.

Install in reverse order of removal. Note the following:

WARNING:

- Follow all safety precautions when working with pyrotechnic components. Refer to **GENERAL INFORMATION** and on the passenger occupant detection system **PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS**.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.
- Do not bend the seat occupied recognition pressure hose and mat.

NOTE: Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

When installing a new service kit and after each repair to the front passenger seat during which the seat and/or the backrest cover is >>disengaged<<, a basic setting procedure must be performed for the passenger occupant detection system control module **PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS**.

-- To complete, select the "Airbag" function in "Guided Fault Finding" using the Vehicle Diagnostic Tester.

- -J706 Passive occupant detection system control module basic setting

LATCH CHILD SEAT ANCHORAGE FRONT SEAT

Removing

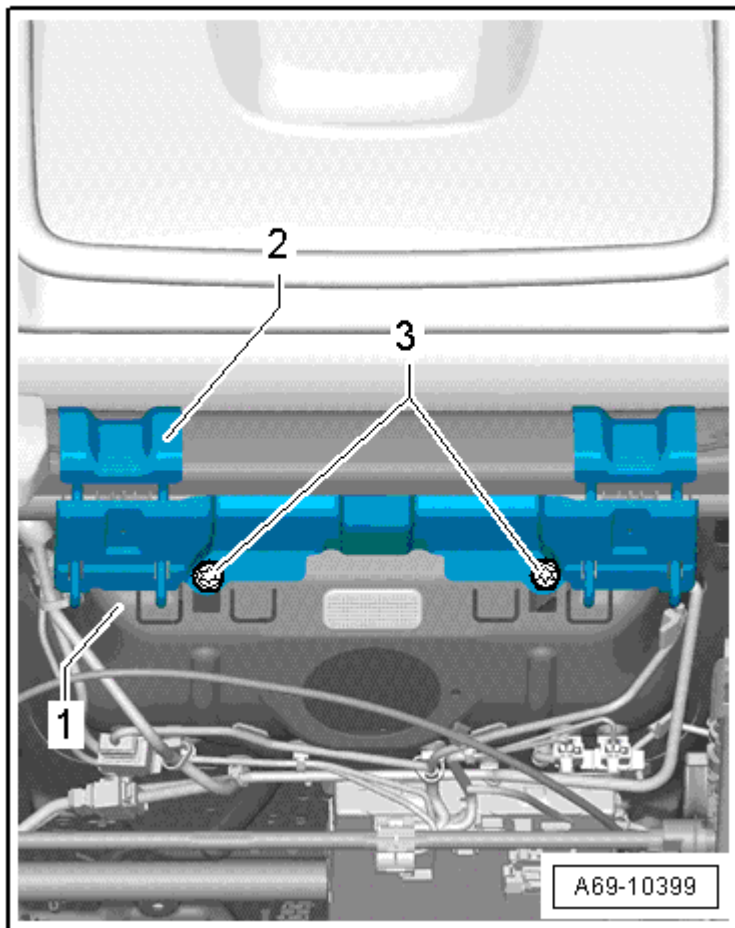


Fig. 74: Removing Latch Child Seat Anchorage Front Seat
Courtesy of AUDI OF AMERICA, LLC

- Remove the bolts -3-.
- Remove the bracket -2- back from the seat pan -1-.
- Remove both pockets, refer to item 1 from the bracket.

Installing

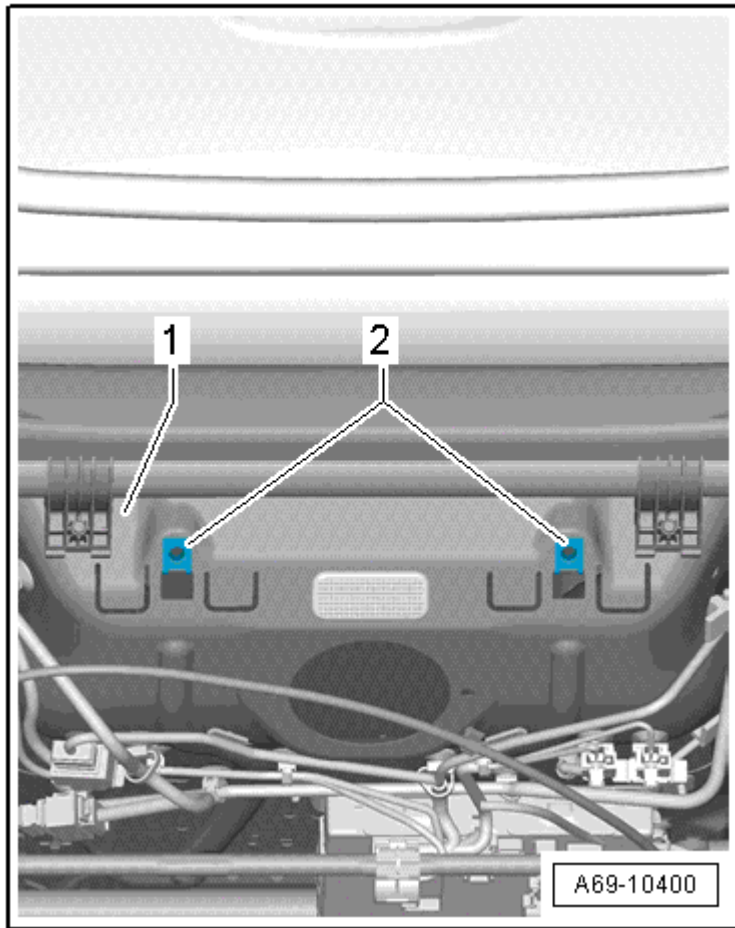


Fig. 75: Checking Latch Child Seat Anchorage Front Seat Pan
Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal. Note the following:

- Check the bolts and spring nuts -2- on the seat pan -1- and replace them if damaged.

SEAT BELTS

CENTER REAR THREE-POINT SEAT BELT, WITH FIXED BACKREST

Removing

- Remove the bench seat. Refer to **BENCH SEAT** .
- Remove the rear seat backrest. Refer to **REAR SEAT BACKREST, FIXED** .
- Remove the center rear belt end fitting. Refer to **REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR** .
- Remove the rear shelf. Refer to **REAR SHELF** .

Versions with rear seat belt tensioner igniter:**WARNING:**

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect electrical connectors.

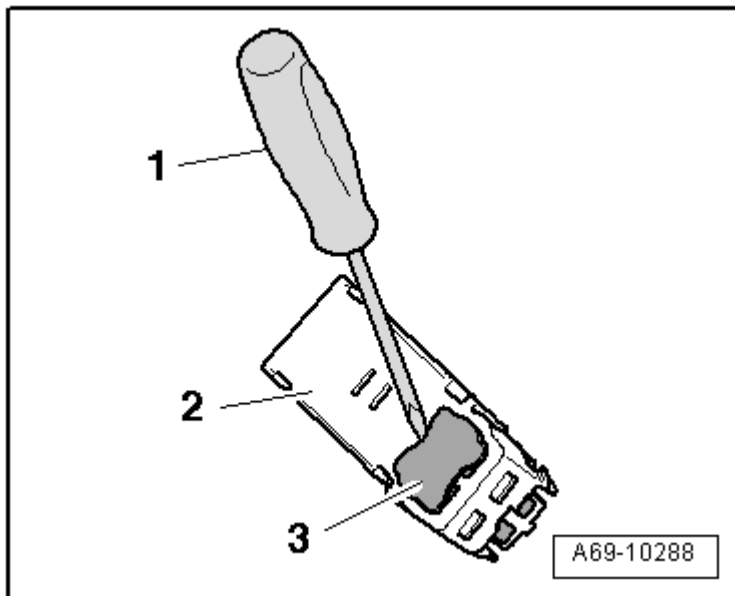


Fig. 76: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- To do this, release the connector lock -3- using a small screwdriver -1- and remove the electrical connector -3-.

All vehicles:

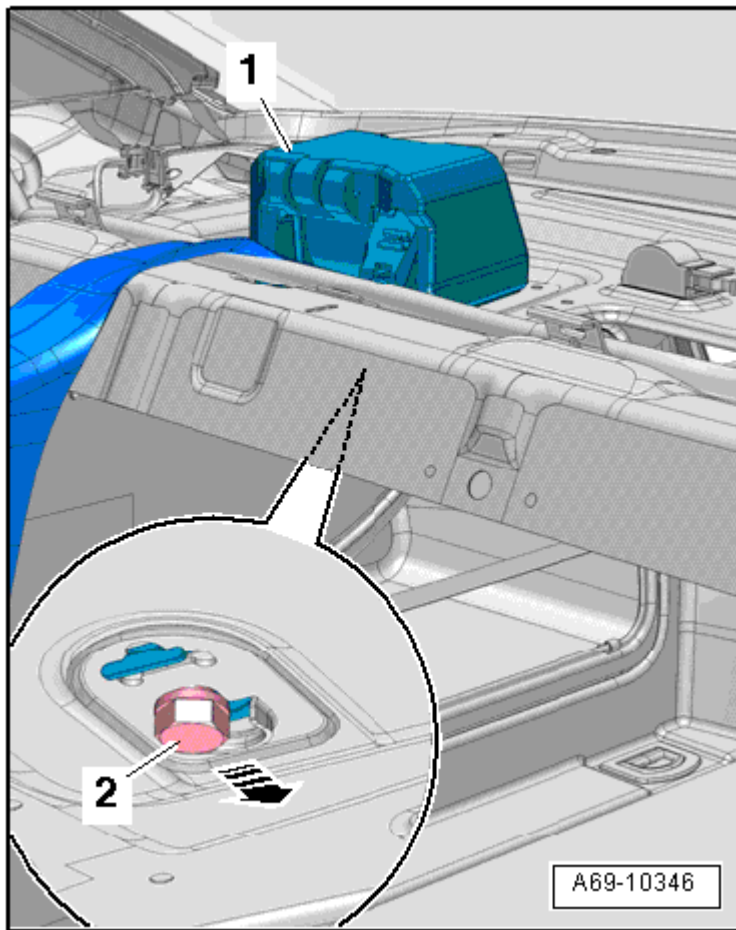


Fig. 77: Removing Three-Point Seat Belt
Courtesy of AUDI OF AMERICA, LLC

- Loosen the bolt -2-.
- Disengage the three-point seat belt -1- -arrow- and remove it upward.

Installing

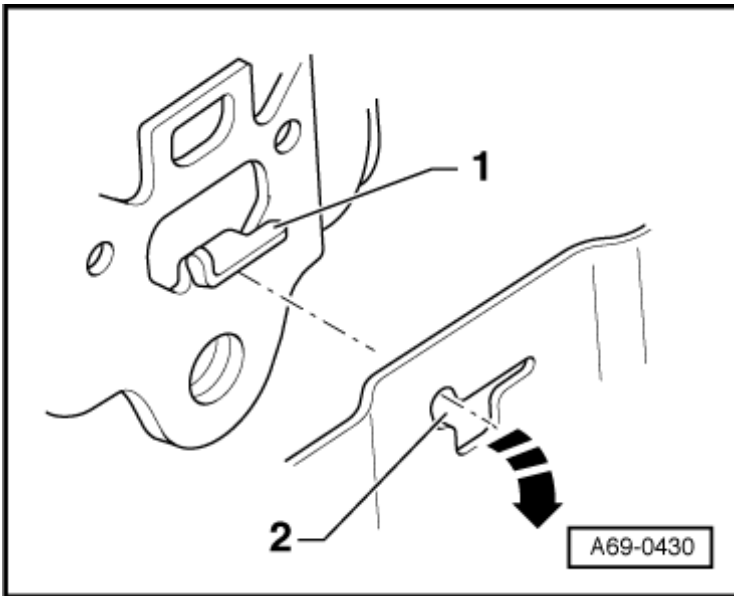


Fig. 78: Identifying Hooks On Belt Roller/Belt Tensioner And Side Panel (Chassis-Body Structure)
 Courtesy of AUDI OF AMERICA, LLC

- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.
- Insert the three-point belt with the anti-twist mechanism -1- in the mount -2- -arrow- and tighten the bolt.

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must "discharge static electricity". For example, by briefly touching the door striker pin.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

All vehicles:

Further installation is performed in the reverse order of removal.

CENTER REAR BELT GUIDE, WITH FIXED BACKREST

Special tools and workshop equipment required

- Trim Removal Wedge 3409

Removing

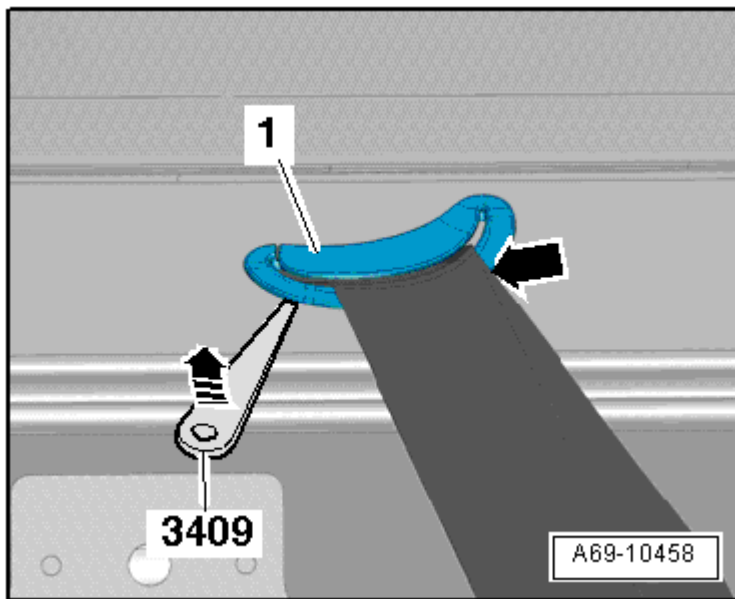


Fig. 79: Removing Center Rear Belt Guide

Courtesy of AUDI OF AMERICA, LLC

- Unclip the belt guide -1- using the 3409 -left arrow-.
- Unclip the belt guide on the opposite side -right arrow- using the 3409 and remove the rear shelf.
- Open the belt guide at the separating point and thread out the belt.

Installing

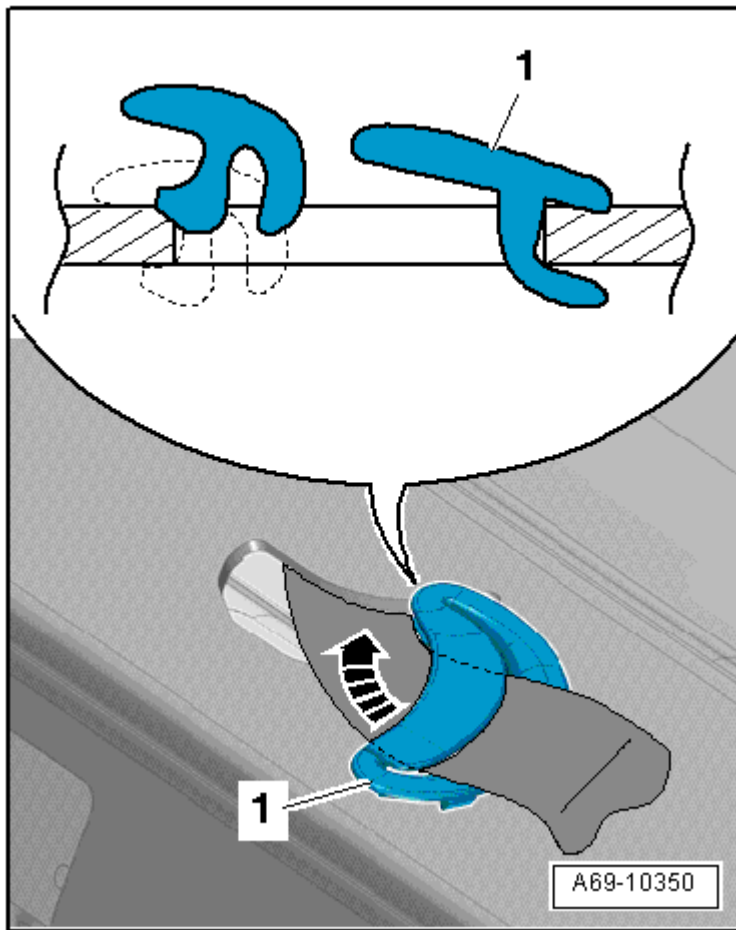


Fig. 80: Installing Center Rear Belt Guide

Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal. Note the following:

- Install the belt guide -1- with the edge turned approximately 90° over the cut-out in the parcel shelf as illustrated.
- Insert the belt guide into the corner of the cut-out while turning it at the same time -arrow-.
- Push the belt guide downward until the tabs engage in the parcel shelf.

CENTER REAR THREE-POINT SEAT BELT, WITH FOLDABLE REAR SEAT BACKREST

Removing

- Remove the bench seat. Refer to **BENCH SEAT** .
- Remove the right 2/3 rear seat backrest **DIVIDED BACKREST** .
- Remove the cover with the upholstery:

- **BACKREST WITH PASS-THROUGH** .
- **BACKREST WITH COVER OR STORAGE COMPARTMENT** .

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Follow all regulations when disposing of pyrotechnic components. Refer to **AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING**.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect the connector -4-.

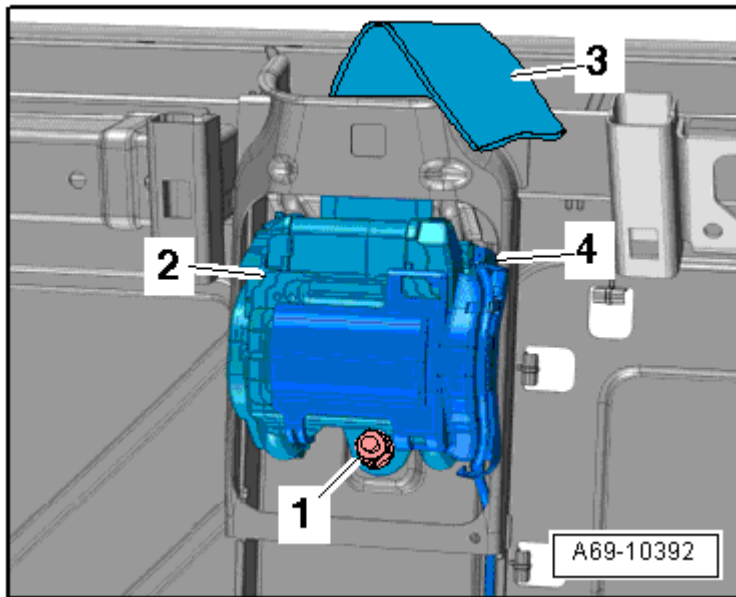


Fig. 81: Identifying Center Rear Three-Point Seat Belt
Courtesy of AUDI OF AMERICA, LLC

-- To do this, release the connector lock -3- using a small screwdriver -1- and remove the electrical connector -4-.

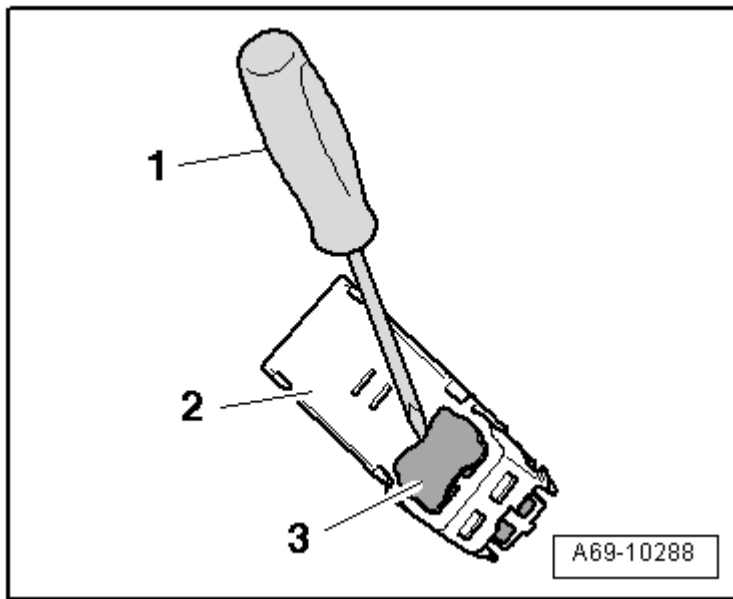


Fig. 82: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

All vehicles:

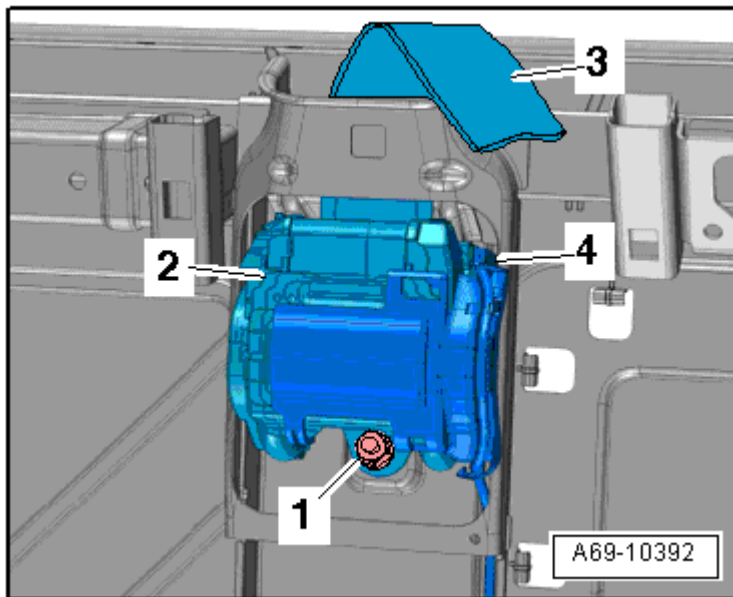


Fig. 83: Identifying Center Rear Three-Point Seat Belt

Courtesy of AUDI OF AMERICA, LLC

- Remove the nut -1-.
- Disengage the three-point seat belt -2- and remove it.
- Thread out the belt -3-.

Installing

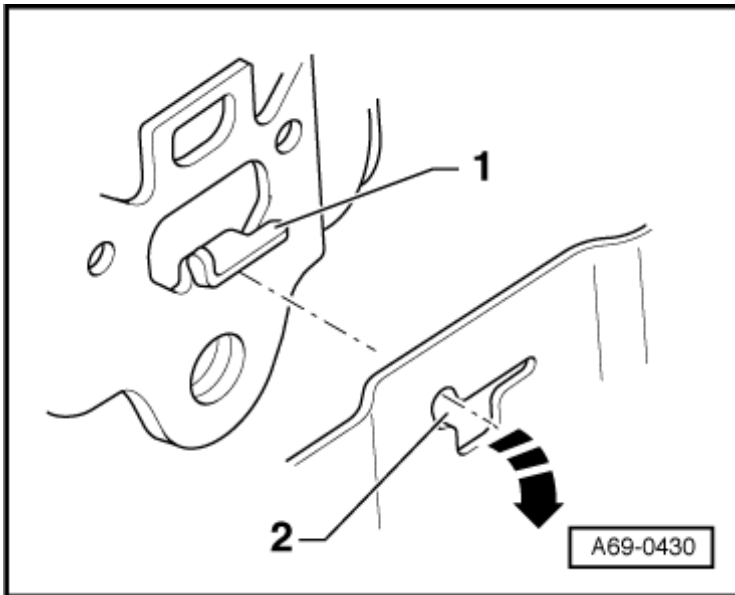


Fig. 84: Identifying Hooks On Belt Roller/Belt Tensioner And Side Panel (Chassis-Body Structure)
 Courtesy of AUDI OF AMERICA, LLC

- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.
- Insert the three-point belt with the anti-twist mechanism -1- in the mount -2- -arrow- and tighten the nut.

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must "discharge static electricity". For example, by briefly touching the door striker pin.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

All vehicles:

Further installation is performed in the reverse order of removal.

CENTER REAR BELT GUIDE, WITH FOLDABLE REAR SEAT BACKREST**Special tools and workshop equipment required**

- Trim Removal Wedge 3409

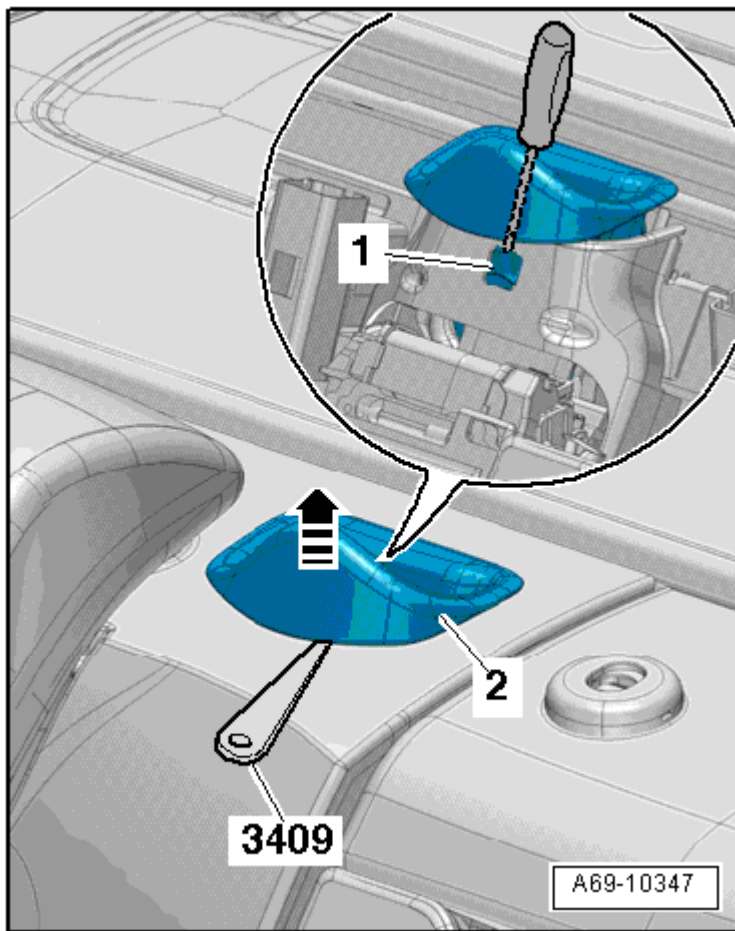
Removing

Fig. 85: Removing Center Rear Belt Guide
Courtesy of AUDI OF AMERICA, LLC

-- Remove the center rear belt end fitting. Refer to **REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR**.

-- Release the catches -1- by inserting a screwdriver from above through the hole in the belt guide.

-- At the same time, unclip the belt guide -2- using the 3409 -arrow-.

-- Thread out the belt and remove the belt guide.

Installing

Install in reverse order of removal.

FRONT THREE-POINT SEAT BELT WITH BELT TENSIONER

NOTE: Removing and installing is identical for the left and right sides.

Removing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- Remove the front belt anchor FRONT BELT END FITTING.

-- Remove the upper B-pillar trim. Refer to B-PILLAR UPPER TRIM .

-- Thread the belt webbing out of the upper B-pillar trim.

-- Remove the B-pillar lower trim. Refer to B-PILLAR LOWER TRIM .

WARNING: Before handling pyrotechnical components (for example, when disconnecting the connector), the person handling them must "discharge static electricity". For example, by briefly touching the door striker pin.

-- Releases the connector retainers -2- using a small screwdriver then disconnect the belt force limiter connector -1- and belt tensioner igniter 1 -3-.

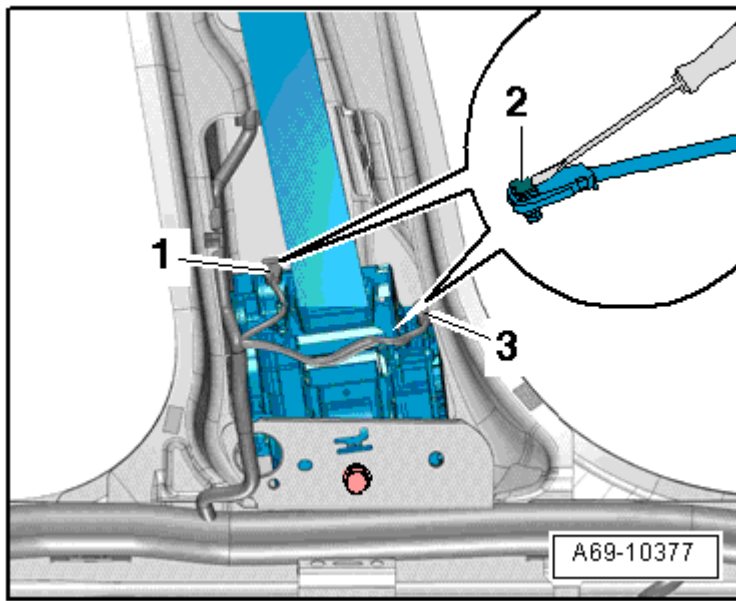


Fig. 86: Removing Belt Tensioner Connectors
Courtesy of AUDI OF AMERICA, LLC

- Disconnect and free up the wire on the belt tensioner.
- Remove the front belt guide -3-. Refer to **FRONT SEAT BELT GUIDE**.

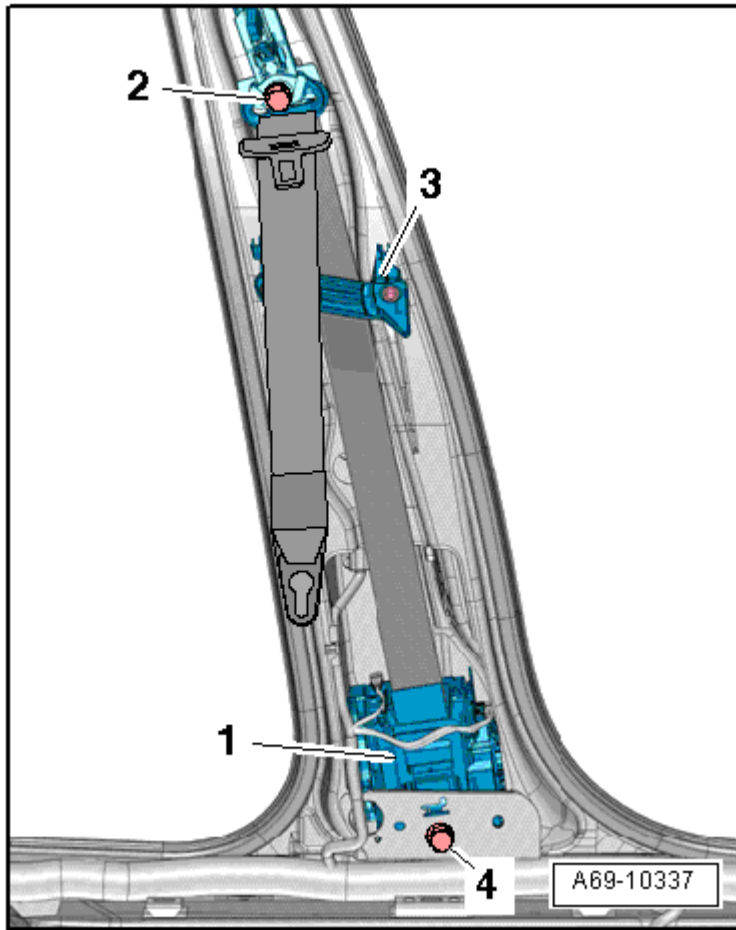


Fig. 87: Removing Belt Tensioner

Courtesy of AUDI OF AMERICA, LLC

- Remove the belt relay bolt -2-.
- Remove screw -4- and belt tensioner -1- from the mount.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.

NOTE: Make sure the connectors are installed all the way in and are secure.

-- Insert the belt tensioner with the anti-twist mechanism -1- in the mount -2- -arrow- and tighten the bolt.

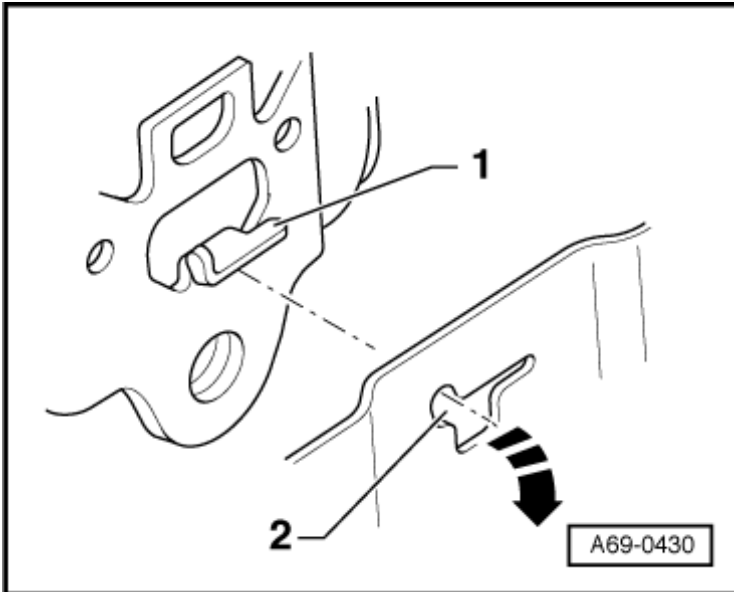


Fig. 88: Identifying Hooks On Belt Roller/Belt Tensioner And Side Panel (Chassis-Body Structure)
Courtesy of AUDI OF AMERICA, LLC

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

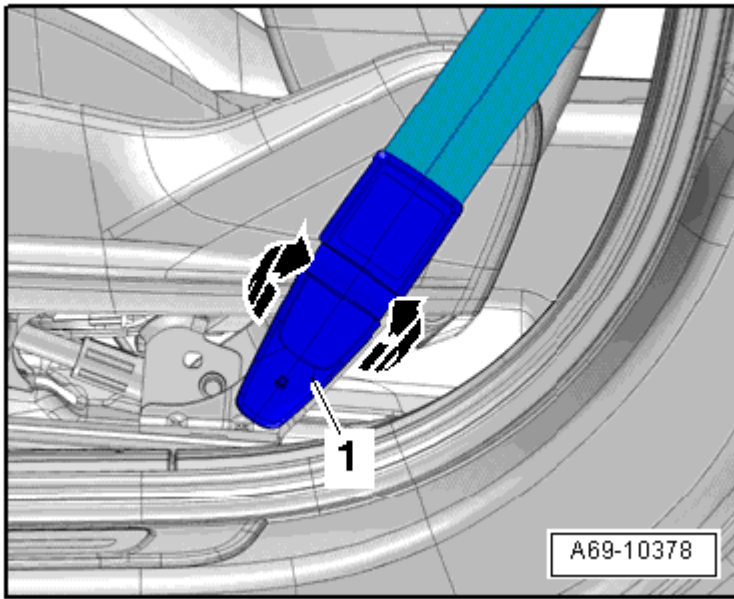
-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

-- After installing the three-point seat belt on the front passenger side, check the child seat anchorage function of the belt CHILD SEAT ANCHORAGE, CHECKING FUNCTION.

FRONT BELT END FITTING

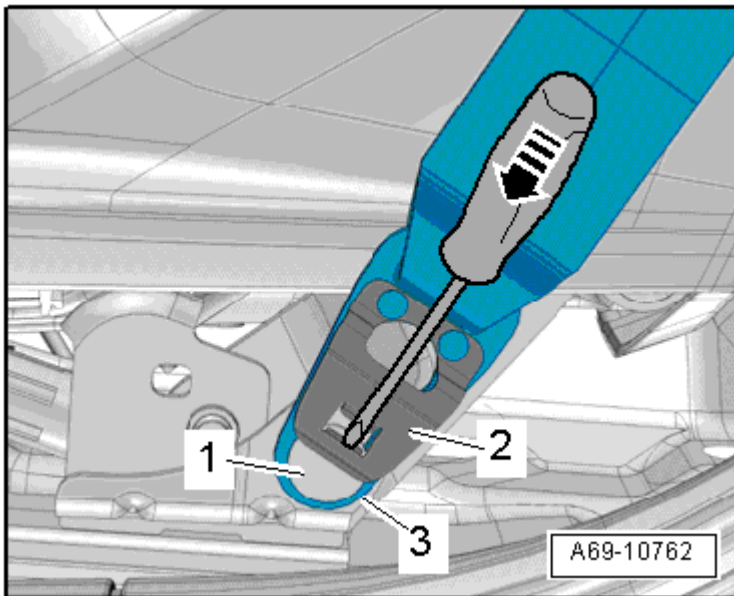
NOTE: Removing and installing is identical for the left and right sides.

Removing

**Fig. 89: Removing Belt Relay Cover**

Courtesy of AUDI OF AMERICA, LLC

- Move the front seat all the way forward.
- Unclip the cover -1- on the belt relay -arrows- and fold it up.

**Fig. 90: Removing Three-Point Seat Belt**

Courtesy of AUDI OF AMERICA, LLC

CAUTION:

- Spring -2- can be bent if removed improperly. The three-point seat belt must be replaced if the spring is bent.

- Move the spring -2- just far enough until it is possible to unlock the tab on the spring.

-- Release the spring catches -2- by inserting a small screwdriver in the opening in the spring -arrow-.

-- Move the belt anchor -3- down and detach at the pin -1-.

Installing

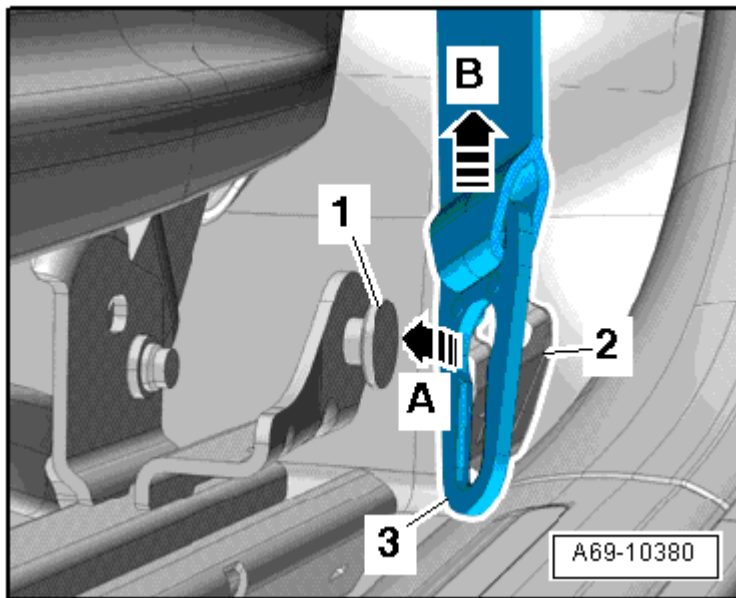


Fig. 91: Belt Anchor -3-

Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal.

CAUTION:

- Spring -2- can be bent if removed improperly. The three-point seat belt must be replaced if the spring is bent.
- Move the spring -2- just far enough until it is possible to unlock the tab on the spring.

-- Connect the belt anchor -3- to the bolt -1- -arrow A- and pull it up -arrow B-, until the spring catches -2- audibly lock on the bolt head.

FRONT SEAT BELT GUIDE

NOTE:

Removing and installing is identical for the left and right sides.

Removing

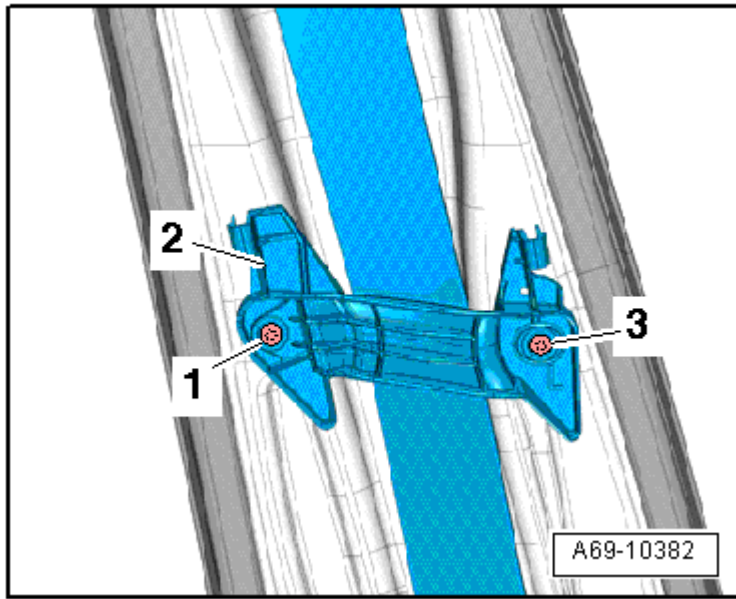


Fig. 92: Identifying Front Seat Belt Guide
Courtesy of AUDI OF AMERICA, LLC

- Remove the B-pillar lower trim. Refer to **B-PILLAR LOWER TRIM** .
- Remove the bolts -1- and -3- and remove the front belt guide -2-.

Installing

Install in reverse order of removal. Note the following:

- Make sure the belt does get pinches and is not damaged.
- Place the belt into the depression in the front belt guide -2-.
- Install the front belt guide centering pins into the holes in the B-pillar and tighten the screws -1- and -3-.

FRONT BELT LATCH

Removing

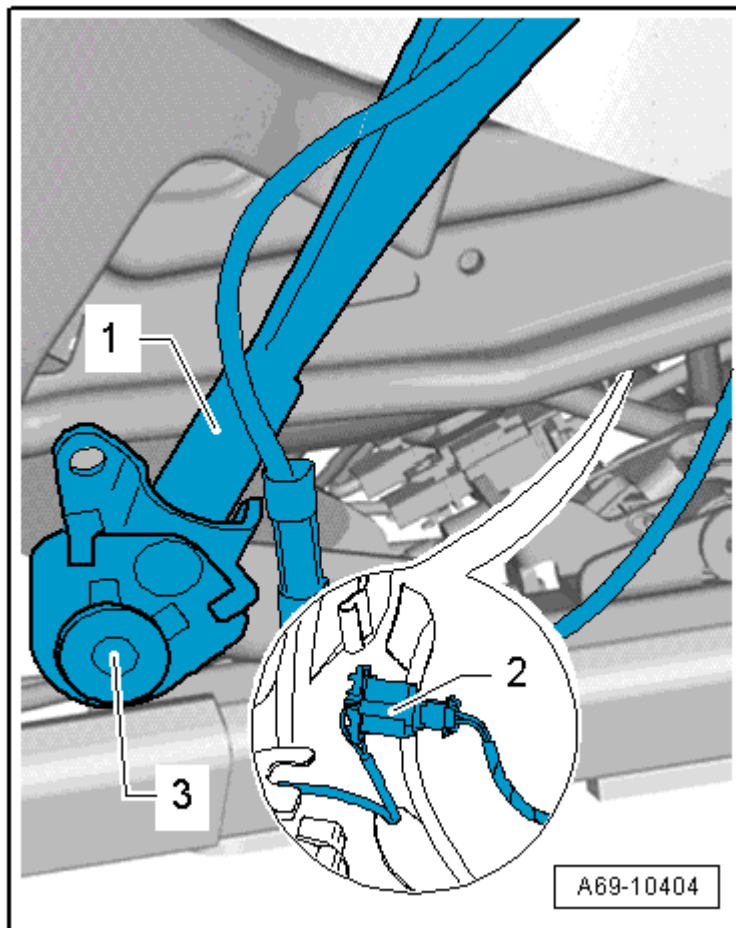


Fig. 93: Identifying Front Belt Latch

Courtesy of AUDI OF AMERICA, LLC

-- Remove the front seat:

- Standard seat and Sport seat (manual), refer to **MANUAL STANDARD FRONT SEAT** .
- Standard and Sport Power Seat, Comfort Seat and Super Sport Seat, refer to **POWER STANDARD FRONT SEAT** .

-- Disconnect harness connector -2- and free up electrical wire.

-- Remove bolt -3- and remove belt latch -1-.

Installing

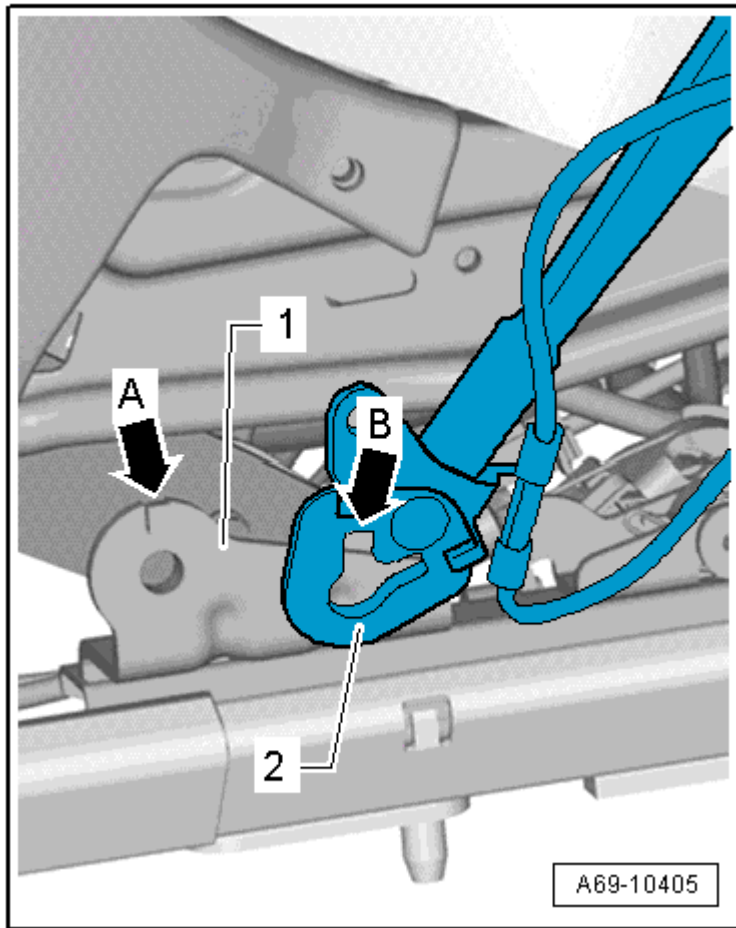


Fig. 94: Installing Seat Belt Latch

Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal. Note the following:

- Replace the seat belt latch bolt.

Front seat belt latch installation position

- Position the seat belt latch -2- so the opening -arrow B- aligns with the tab -arrow A- on the seat frame -1-.

Seat Occupied Recognition for Passenger Airbag Deactivation:

- If the seat belt latch of the passenger occupant detection system for front passenger airbag deactivation is replaced, fill out the system registration sheet with the serial number and bar code label from the new seat belt latch and send it to the importer.

All vehicles:

NOTE: Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

REAR LEFT BELT LATCH

Removing

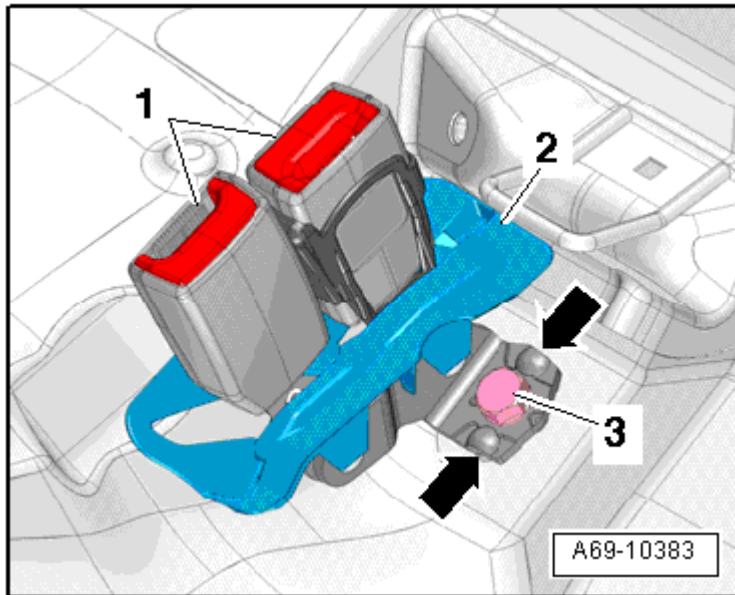


Fig. 95: Identifying Rear Left Belt Latch
Courtesy of AUDI OF AMERICA, LLC

- Remove the bench seat. Refer to BENCH SEAT .
- Remove the bolt -3- and remove the belt latch -1- and cover -2-.

Installing

- Replace the belt latch bolt.
- Install the bolt -3- into the seat belt latch -1-.

-- Slide the sealing ring over the bolt thread from underneath.

Installation is performed in reverse order of removal, noting the following:

-- Align the seat belt latch to the direction of travel when bolting it on.

- The recesses -arrows- on the bolting surface of the seat belt latch must lie over the anti-twist mechanisms on the floor panel.

REAR OUTER BELT END FITTING

NOTE: Removing and installing is identical for the left and right sides.

Removing

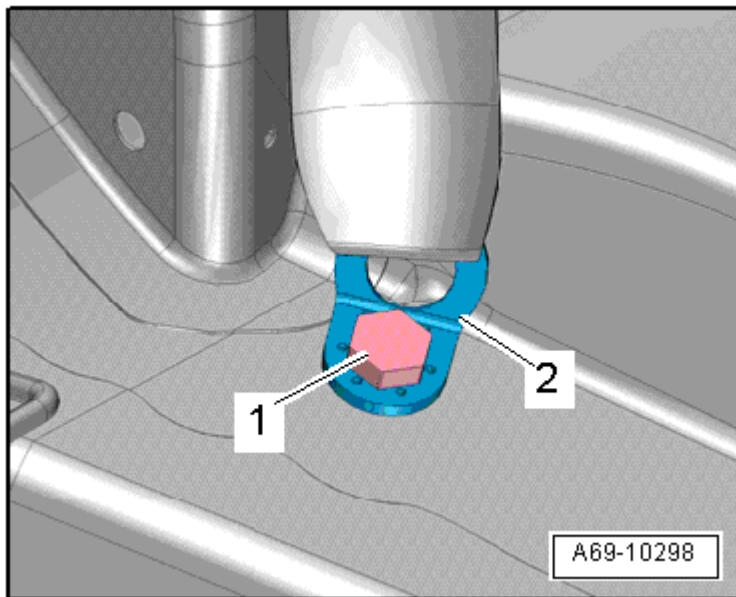


Fig. 96: Identifying Rear Outer Belt End Fitting
Courtesy of AUDI OF AMERICA, LLC

-- Remove the bench seat. Refer to **BENCH SEAT** .

-- Remove the bolt -1- from the belt end fitting -2-.

Installing

Install in reverse order of removal. Note the following:

-- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.

- The cut-out on the bolting surface of the seat belt latch must be above the pin on the floor panel.

REAR OUTER BELT GUIDE

NOTE: Removing and installing is identical for the left and right sides.

Removing

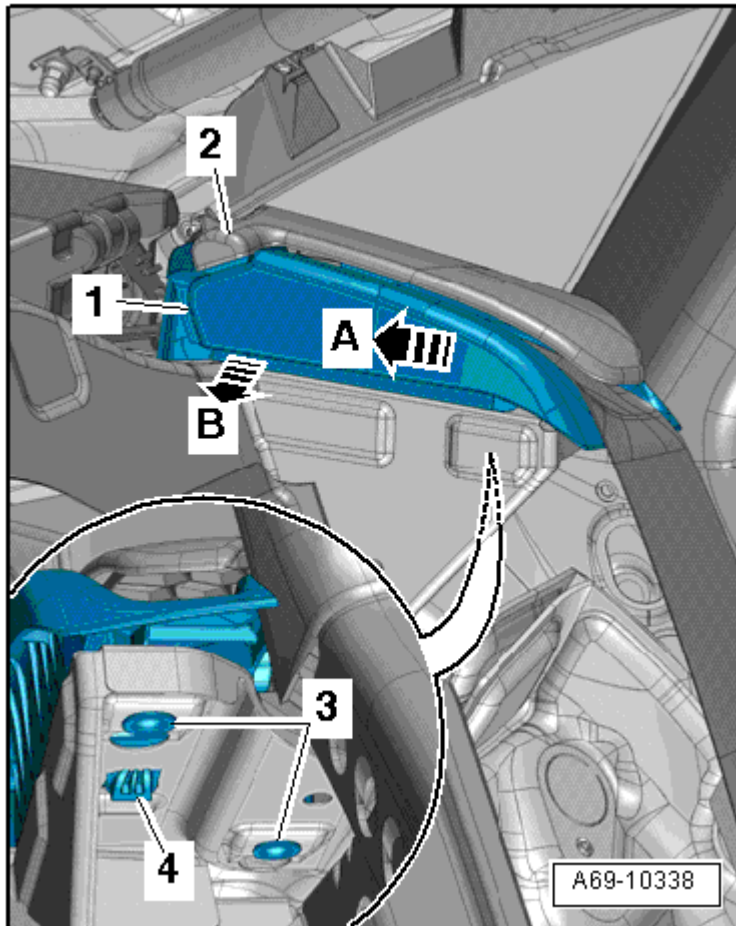


Fig. 97: Removing Rear Outer Belt Guide

Courtesy of AUDI OF AMERICA, LLC

CAUTION:

- Do not rotate the bolts -3- under any circumstances when removing and installing belt guide -1-. The manufacturer has already set the bolts.
- Replace the entire belt guide if damaged.

-- Remove the side cushion. Refer to **SIDE UPHOLSTERY** .

-- Versions with rear side airbag: remove the rear side airbag. Refer to **DRIVER SIDE REAR THORAX AIRBAG IGNITER -N201- AND FRONT PASSENGER REAR THORAX AIRBAG IGNITER -N202-**.

-- Versions with fixed rear seat backrest: remove the rear seat backrest. Refer to **REAR SEAT BACKREST**,

FIXED .

- Remove the rear shelf. Refer to **REAR SHELF** .
- Remove the foam piece under the belt guide.
- Push the belt guide retaining hook -4- upward and hold it there.
- Slide the belt guide -1- back -arrow A- until the bolt heads -3- can be disengaged from the console on the body.
- Slightly lift the C-pillar trim -2- and remove the belt guide sideways toward the vehicle interior -arrow B-.
- Rear outer right seat belt guide: Disconnect the connector for the rear parking aid warning buzzer -H15-.

Installing

Install in reverse order of removal. Note the following:

- Insert the belt into the depression in the belt guide -1- and then place the belt guide on onto the bracket.
- Insert the belt guide with the bolt heads -3- in the guides on the console.
- Press the belt guide down while pulling it forward. This engages the bolt heads in the guides.
- Pull the belt webbing forward until the retaining hooks engage audibly.

REAR OUTER BELT GUIDE, AVANT

NOTE: **Removing and installing is identical for the left and right sides.**

Removing

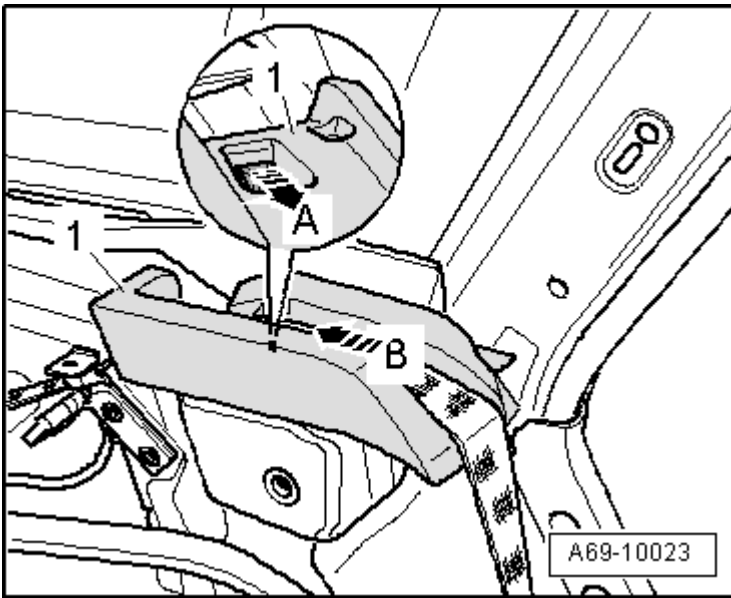


Fig. 98: Lifting Spring Latch And Sliding Belt Guide Back Out Of Bracket
Courtesy of AUDI OF AMERICA, LLC

CAUTION:

- Do not rotate the bolts under any circumstances when removing and installing belt guide. They have been set by the manufacturer.
- Replace the entire belt guide if damaged.

- Remove the foam piece from the opening under the belt guide -1-.
- Insert a screwdriver into the opening under the belt guide and press the clip upward -arrow A- and hold it.
- Push the belt guide to the rear -arrow B- until the bolt heads can be disengaged from the bracket on the body.
- Rear outer right seat belt guide: Disconnect the connector for the rear parking aid warning buzzer -H15-.

Installing

Install in reverse order of removal. Note the following:

- Insert the belt into the depression in the belt guide -1- and then place the belt guide on onto the bracket.
- Insert the belt guide with the bolt heads in the guides on the console.
- Press the belt guide down while pulling it forward. This engages the bolt heads in the guides.
- Pull the belt webbing forward until the retaining hooks engage audibly.

REAR OUTER THREE-POINT SEAT BELT

NOTE: Removing and installing is identical for the left and right sides.

Removing

- Remove the rear outer belt anchor. Refer to REAR OUTER BELT END FITTING.
- Remove the rear shelf. Refer to REAR SHELF.
- Remove the rear outer belt guide. Refer to REAR OUTER BELT GUIDE.
- Remove the noise insulation -2- for the automatic belt retractor.

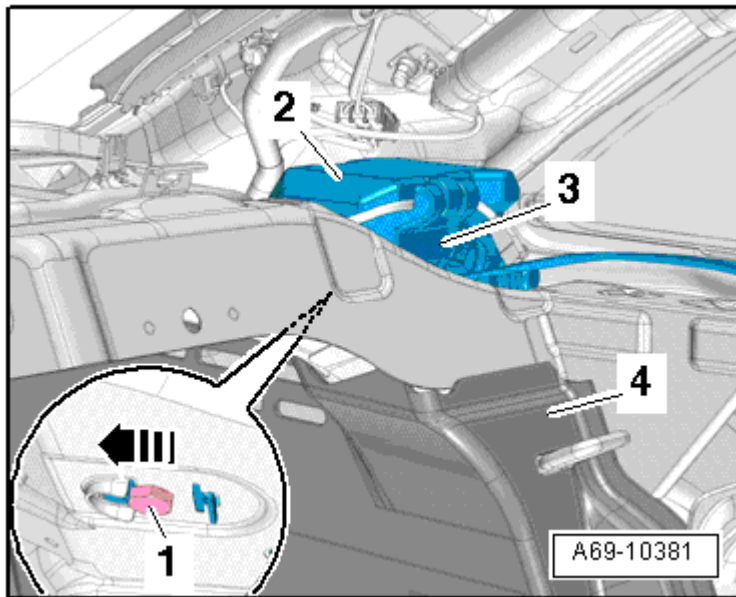


Fig. 99: Removing Rear Outer Three-Point Seat Belt
Courtesy of AUDI OF AMERICA, LLC

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Follow all regulations when disposing of pyrotechnic components. Refer to AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation.

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect electrical connectors.

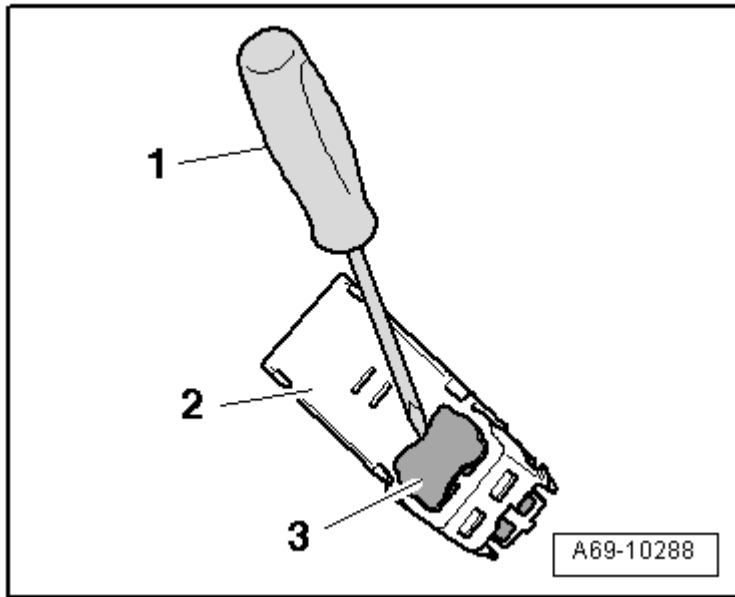


Fig. 100: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- To do this, release the connector lock -3- using a small screwdriver -1- and remove the electrical connector -2-.

All vehicles:

-- Remove the 2 expanding clips for the luggage compartment side trim. Refer to **LUGGAGE COMPARTMENT SIDE TRIM PANEL**.

-- Push the upper luggage compartment side trim -4- in the area around the three-point seat belt to the side and loosen the screw -1-.

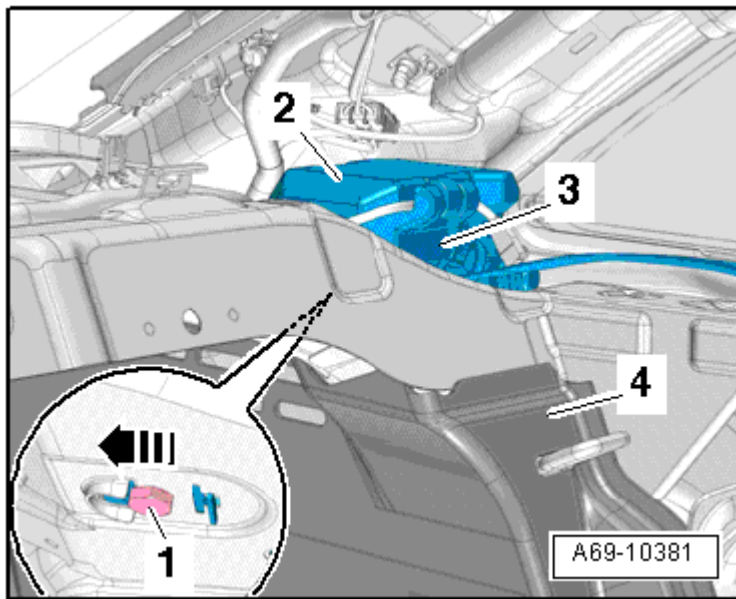


Fig. 101: Removing Rear Outer Three-Point Seat Belt
Courtesy of AUDI OF AMERICA, LLC

-- Unhinge the three-point seat belt -3- -arrow-.

Installing

-- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.

-- Insert the three-point seat belt with the anti-twist mechanism in the mount and tighten the bolt.

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

All vehicles:

Further installation is performed in the reverse order of removal.

REAR OUTER THREE-POINT SEAT BELT, AVANT

NOTE: Removing and installing is identical for the left and right sides.

Removing

-- Remove the rear outer belt anchor. Refer to **REAR OUTER BELT END FITTING**.

-- Remove the noise insulation for the automatic belt retractor.

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Follow all regulations when disposing of pyrotechnic components. Refer to **AIRBAG, BELT TENSIONER AND BATTERY CUT-OUT UNITS, STORING, TRANSPORTING AND DISPOSING**.

-- Turn on the ignition.

-- Disconnect the battery ground cable from the battery with the ignition on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

WARNING: Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Disconnect electrical connectors.

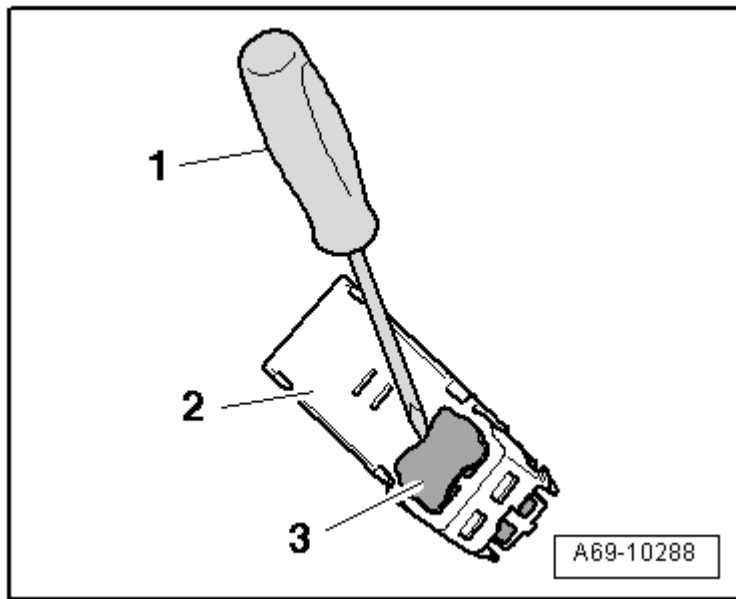


Fig. 102: Releasing Connector Lock

Courtesy of AUDI OF AMERICA, LLC

-- To do this, release the connector lock -3- using a small screwdriver -1- and remove the electrical connector -2-.

All vehicles:

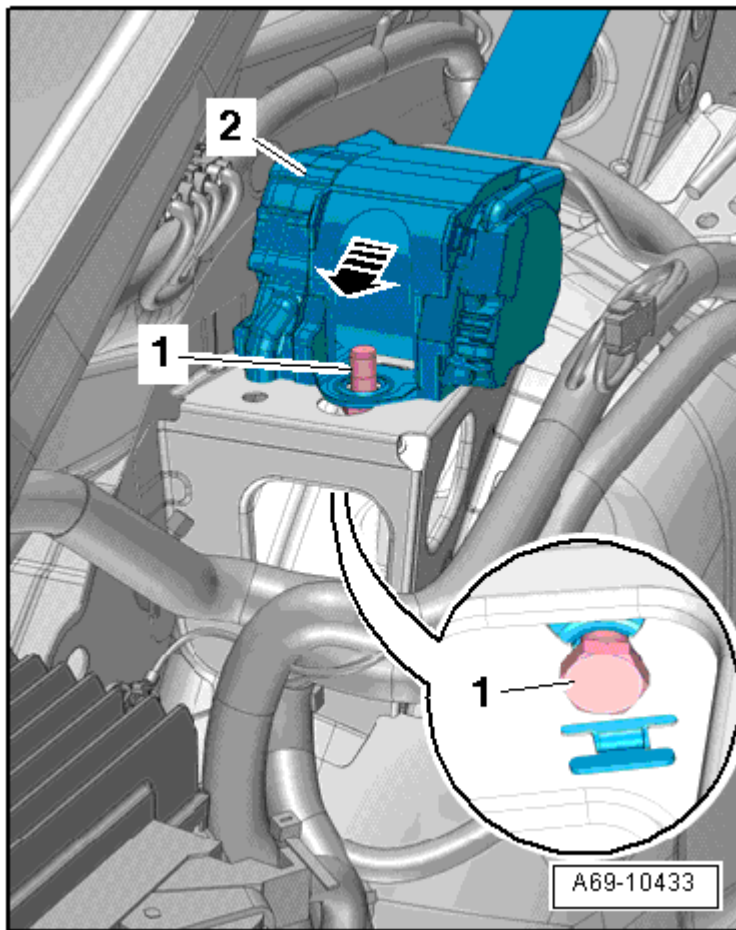


Fig. 103: Removing Three-Point Seat Belt
Courtesy of AUDI OF AMERICA, LLC

- Loosen the bolt -1-.
- Disengage the three-point seat belt -2- -arrow- and remove it.

Installing

- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.
- Insert the three-point seat belt with the anti-twist mechanism in the mount and tighten the bolt.

Versions with rear seat belt tensioner igniter:

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker

pin.

NOTE:

- Make sure the connectors are installed all the way in and are secure.
- Make sure the wires do not get caught.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

All vehicles:

Further installation is performed in the reverse order of removal.

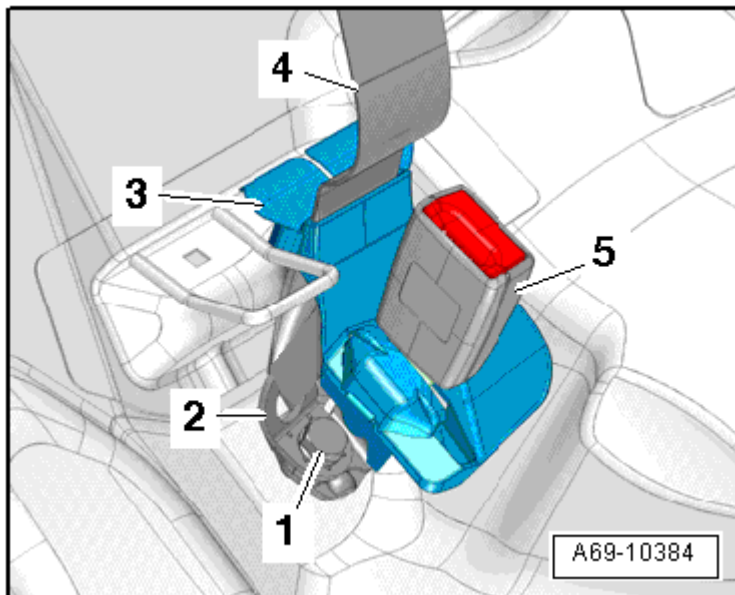
REAR RIGHT SEAT BELT LATCH WITH CENTER REAR BELT ANCHOR**Removing**

Fig. 104: Identifying Rear Right Seat Belt Latch With Center Rear Belt Anchor
Courtesy of AUDI OF AMERICA, LLC

- Remove the bench seat. Refer to BENCH SEAT .
- Remove the bolt -1- and then remove the seat belt latch -5- and seat belt anchor -2-.
- Thread the belt -4- out of the cover -3- and remove the seat belt latch.

Installing

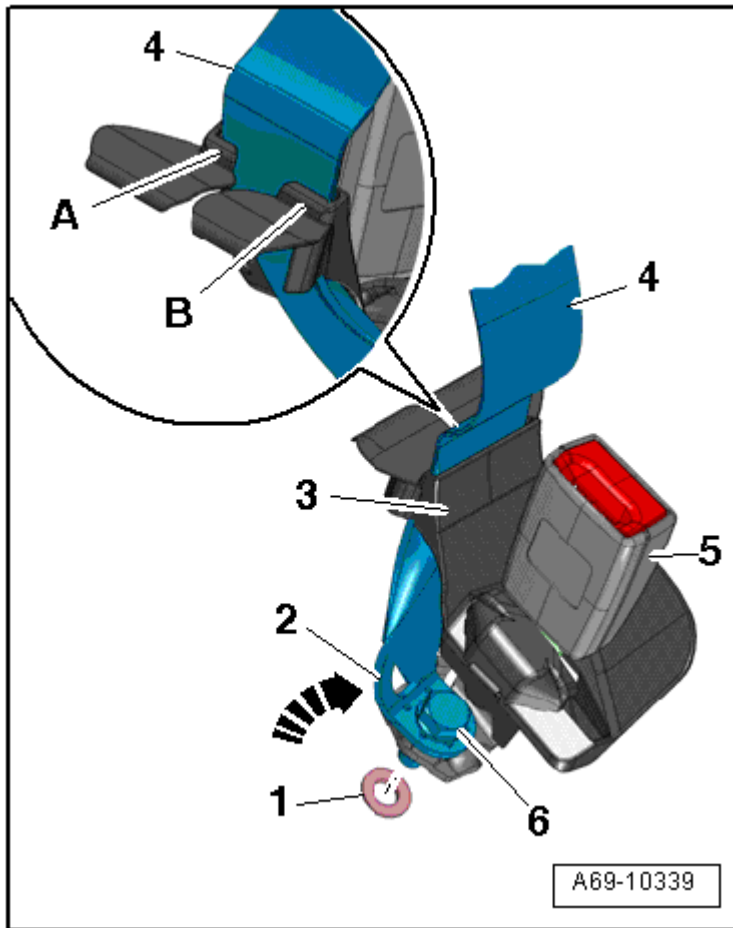


Fig. 105: Installing Rear Right Seat Belt Latch With Center Rear Belt Anchor
 Courtesy of AUDI OF AMERICA, LLC

- Replace the belt latch bolt.
 - Install the bolt into the belt anchor -2- and into the seat belt latch -5-.
 - Slide the sealing ring -1- over the bolt thread from underneath.
 - Turn the belt anchor clockwise until it stops -arrow-.
 - Insert the belt -4- first into the guide clip -B- (long) and then into the guide clip -A- (short) -3-.
 - Press the bolt against the seat belt latch and tighten the seat belt between the bolt and the clip.
- Installation is performed in reverse order of removal, noting the following:
- Align the seat belt latch to the direction of travel when bolting it on.

- The recesses on the bolting surface of the seat belt latch must lie over the anti-twist mechanism on the floor panel.

SEAT BELT HEIGHT ADJUSTER

NOTE: Removing and installing is identical for the left and right sides.

Removing

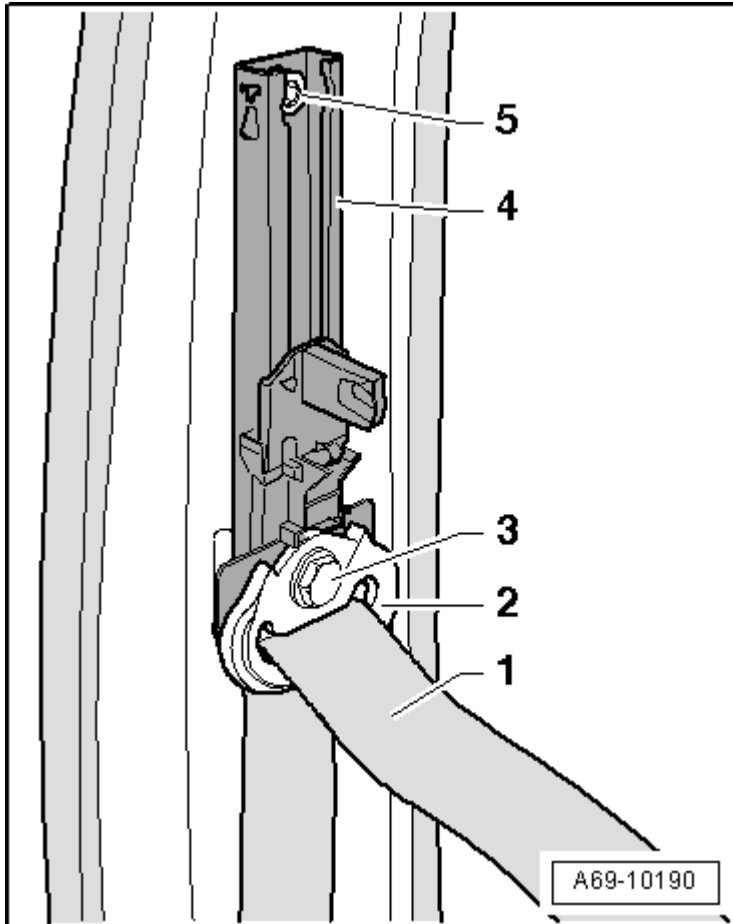


Fig. 106: Seat Belt Height Adjuster -4-
Courtesy of AUDI OF AMERICA, LLC

- Press belt height adjuster button and bring height adjuster slide into lowest position.
- Remove the upper B-pillar trim. Refer to **B-PILLAR UPPER TRIM** .
- Move the upper B-pillar trim to the side with the seat belt still threaded through it.
- Remove the screw -3-.
- Remove belt relay -2- with belt webbing -1-.

-- Remove the screw -5-.

-- Pull seat belt height adjuster -4- up and out of the B-pillar.

Installing

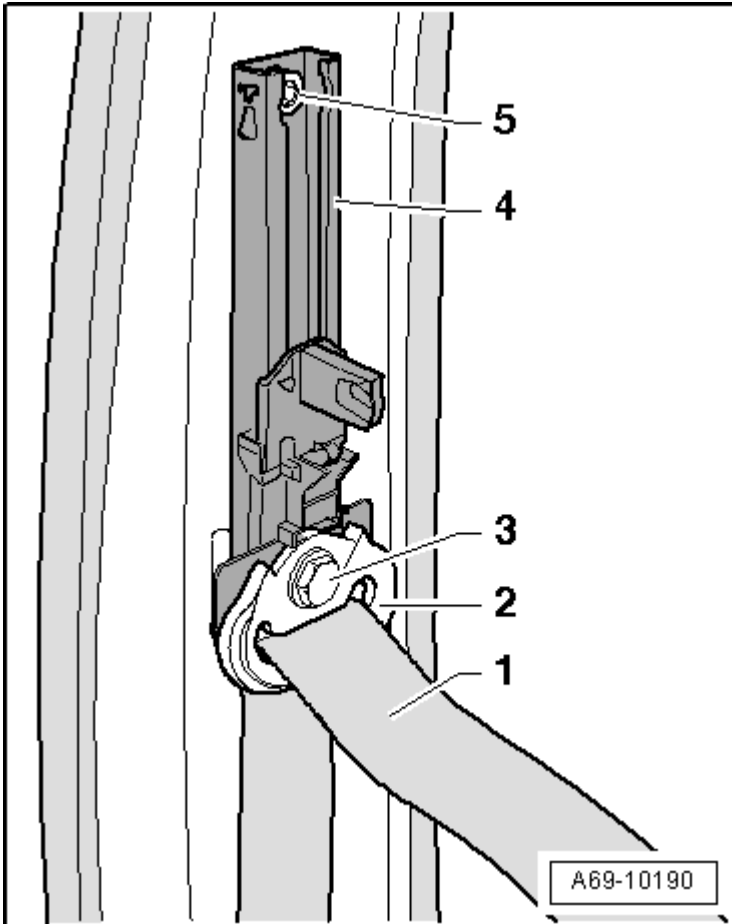


Fig. 107: Seat Belt Height Adjuster -4-
Courtesy of AUDI OF AMERICA, LLC

Install in reverse order of removal. Note the following:

-- If parts of the seat belt system are removed due to an accident, replace the belt system mounting bolts.

NOTE:

- A replacement seat belt height adjuster is always delivered with the slider for the seat belt height adjuster in the lowest position (installation position).
- If removed seat belt height adjusters are reinstalled, these should be placed in the bottom-most position (assembly position).

-- Engage seat belt height adjuster -4- in the B-pillar.

-- Tighten bolt -5-.

-- Install the belt relay -2- and tighten the bolt -3-.

NOTE:

- The belt height adjuster button must not be pressed when installing the upper B-pillar trim with slide.
- Ensure that the seat belt height adjuster is in the bottom-most position.

-- Make sure the mount -3- for the sliding piece for the upper B-pillar trim -1- is securely latched into the retaining pins -4- on the seat belt height adjuster.

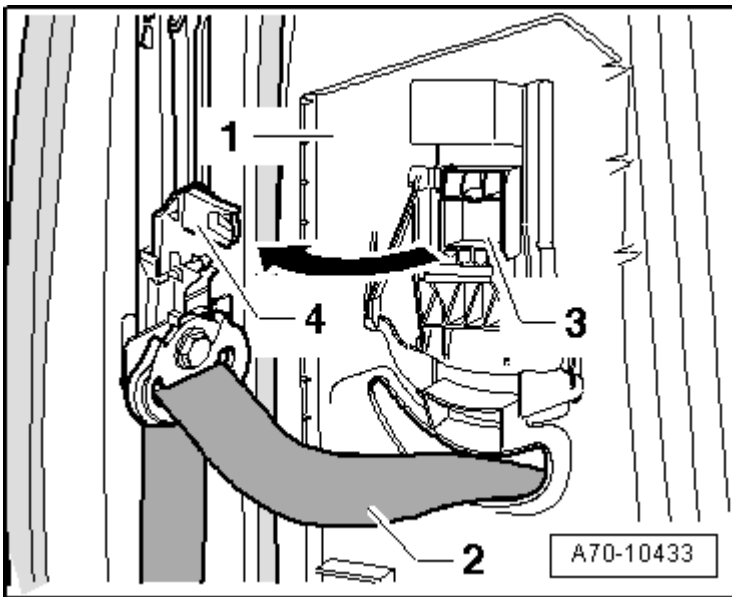


Fig. 108: Guide Belt Webbing -2- Through B-Pillar Trim -1-
Courtesy of AUDI OF AMERICA, LLC

-- Install the upper B-pillar trim -1-. Refer to **B-PILLAR UPPER TRIM** , noting belt webbing -2-.

Seat belt height adjuster replacement part:

-- After installing the upper B-pillar trim, push the slide all the way up.

- This unlocks the seat belt height adjuster assembly anchorage.

Procedure for all seat belt height adjusters:

-- Check function.

When checking function, following conditions must be fulfilled:

- The seat belt height adjuster must audibly engage all 5 possible positions (and in the top-most position too).

- Belt height adjuster button must return to upper position by itself after being pressed.
- Belt relay must swing into vertical position or carrier direction by itself after tightening screw.

If any functions did not work, seat belt height adjuster assembly must be checked; height adjuster may need to be replaced.

SEAT POSITION SENSOR, WITH SEAT OCCUPIED SENSOR FOR BELT FASTENING DETECTION

The seat position sensor is provided as a replacement part with the wiring harness and the black 10-pin connector. The following wires with connectors are contained in the wiring harness:

- Wire with seat belt latch coupling connector (driver seat).
- Wire with seat belt latch coupling connector (passenger seat).
- Wire with front passenger seat occupant sensor -G128- coupling connector.

Removing

WARNING:

- **Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.**
- **Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.**

-- Remove the front seat:

- Standard seat and sport seat (manual). Refer to MANUAL STANDARD FRONT SEAT .
- Standard and sport power seat, comfort seat and super sport seat. Refer to POWER STANDARD FRONT SEAT .

-- Attach the front seat to the VAS 6136. Refer to FRONT SEATS, INSTALLING ON THE Fixture For Seat Repair VAS 6136 .

-- Remove the screw -3-.

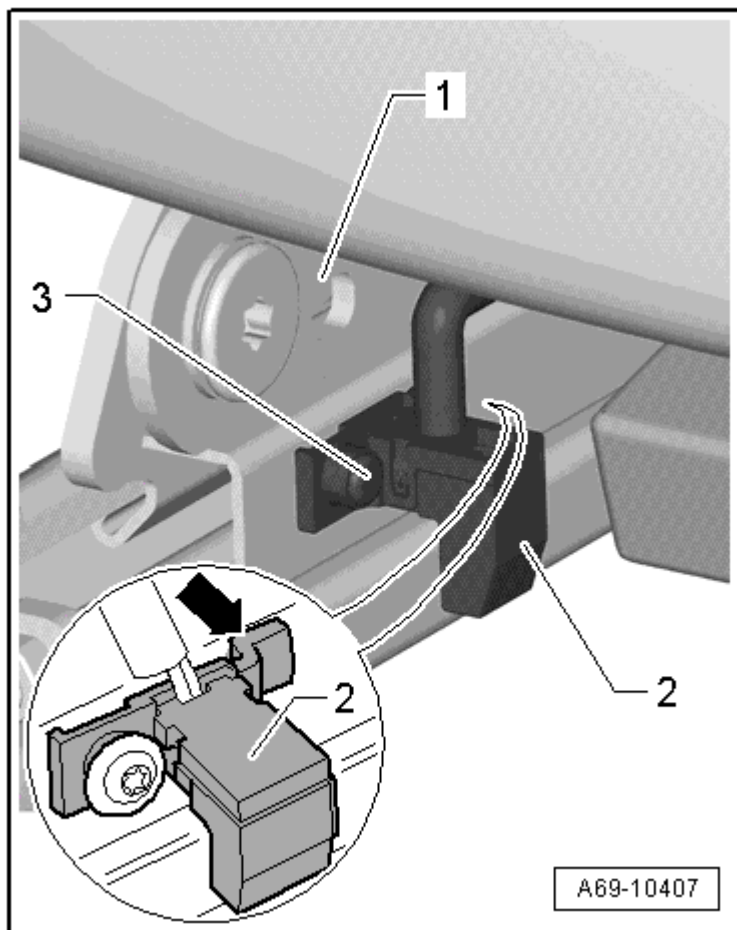


Fig. 109: Removing Front Passenger Seat Position Sensor

Courtesy of AUDI OF AMERICA, LLC

-- Disengage the hook -arrow- on seat position sensor -2- from seat pan lower frame -1-.

-- Open the corrugated tube and remove the wire with the 10-pin seat belt latch connector.

- Connector station harness connectors. Refer to **CONNECTOR STATION CONNECTORS OVERVIEW** .
- Modular wiring with corrugated tube on front seat. Refer to **MODULAR WIRE ROUTING WITH RIDGED TUBE ON FRONT SEAT** .

Driver seat:

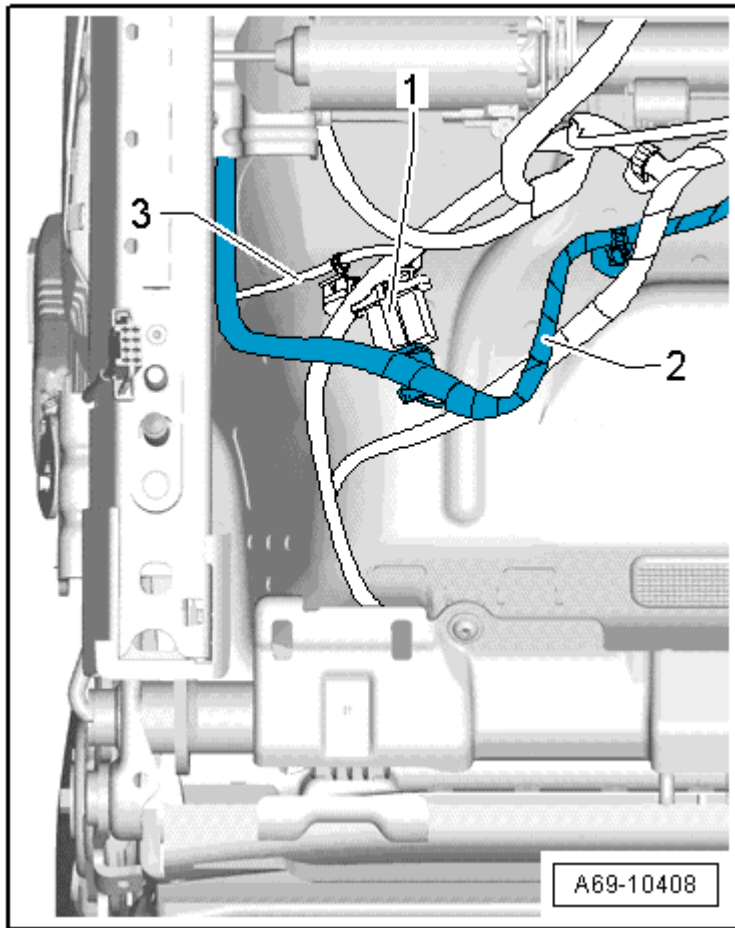


Fig. 110: Disconnecting Electrical Connectors

Courtesy of AUDI OF AMERICA, LLC

-- Open the cable ties or cable clips up to the electrical connector -1-.

-- Disconnect electrical connectors.

2 - Wire to the black 10-pin connector and driver seat position sensor -G553-

3 - Wire to the seat belt latch

NOTE: **Harness connector -1- with the wire and wire clip remain on the seat pan upper frame.**

-- Remove the seat position sensor with the wires from the seat pan lower frame.

Front passenger seat:

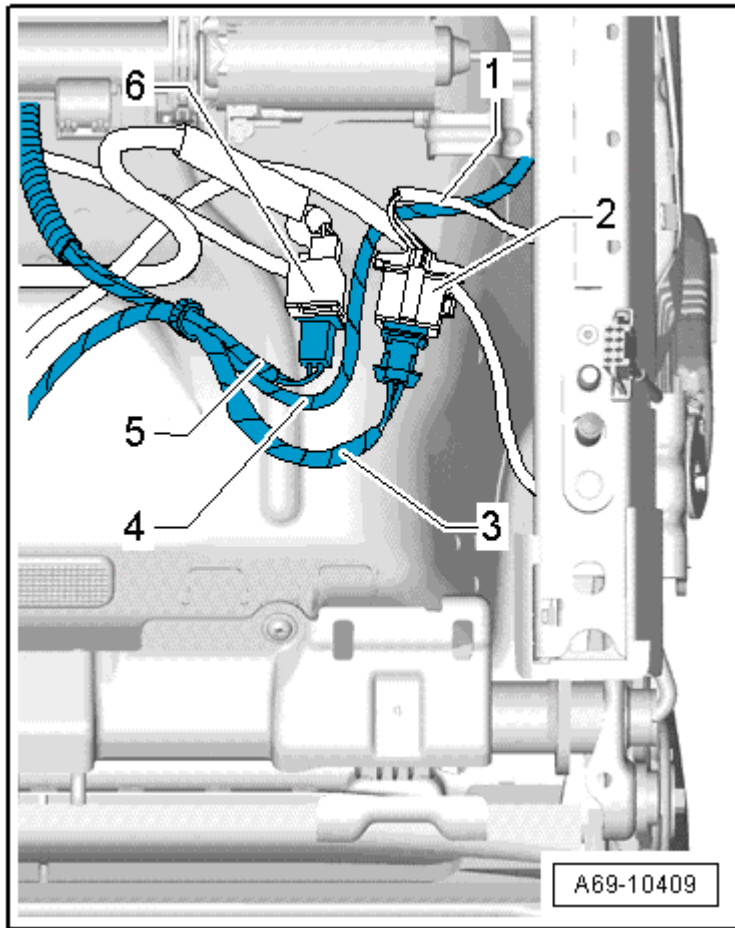


Fig. 111: Disconnecting Electrical Connectors

Courtesy of AUDI OF AMERICA, LLC

-- Open the cable ties or cable clips up to the electrical connectors -2- and -6-.

-- Disconnect electrical connectors.

1 - Wire to the seat belt latch

3 - Wire to the black 10-pin connector and seat belt latch

4 - Wire to the black 10-pin connector and passenger seat position sensor -G554-

5 - Wire to the front passenger seat occupant sensor -G128-

NOTE: Harness connectors -2- and -6- with the wires and wire clips remain on the seat pan upper frame.

-- Remove the seat position sensor with the wires from the seat pan lower frame.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to GENERAL INFORMATION.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

Install in reverse order of removal. Note the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to [For engine(s) CAEB, CALA, CCBA] Removal and Installation .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

SEAT POSITION SENSOR, WITH SEAT OCCUPIED SENSOR FOR PASSENGER AIRBAG DEACTIVATION

The seat position sensor is a component of the wiring harness to the passenger occupant detection system control module -J706-, whose electrical harness connectors must not be disconnected. To replace the seat position sensor, the electrical wires to the seat position sensor must be disconnected and the new seat position sensor must be connected with crimp connectors.

Removing

WARNING:

- Follow all safety precautions when working with pyrotechnic components. Refer to GENERAL INFORMATION and passenger occupant detection system passenger airbag deactivation PASSENGER OCCUPANT DETECTION SYSTEM DEACTIVATION ADDITIONAL SAFETY PRECAUTIONS.
- Before handling pyrotechnical components (for example, disconnecting the connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker pin.

-- Remove the front seat:

- Standard seat and sport seat (manual), refer to **MANUAL STANDARD FRONT SEAT** .
- Standard and sport power seat, comfort seat and super sport seat, refer to **POWER STANDARD FRONT SEAT** .

-- Attach the front seat to the VAS 6136. Refer to **FRONT SEATS, INSTALLING ON THE Fixture For Seat Repair VAS 6136** .

-- Remove screw -3- and seat position sensor -4- from the seat pan lower frame.

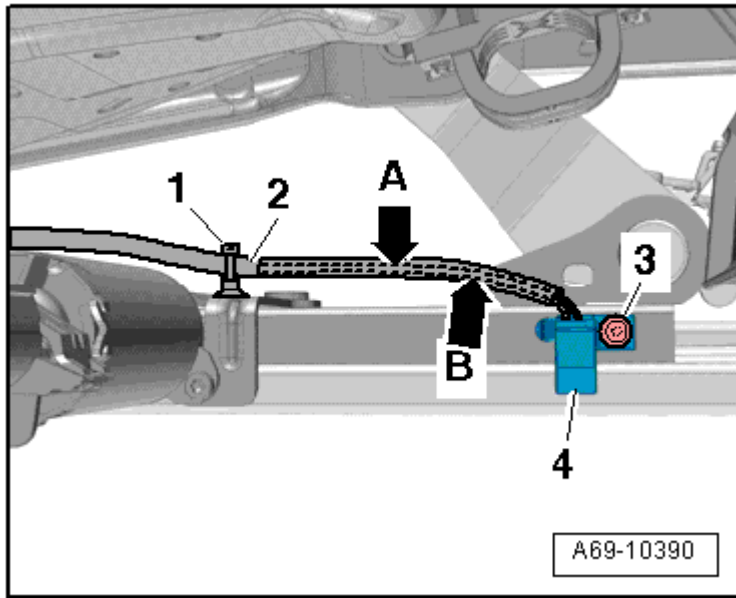


Fig. 112: Identifying Protective Hose, Clip And Screw
 Courtesy of AUDI OF AMERICA, LLC

CAUTION: Do not damage the insulation on the individual wires.

-- Cut protective hose -2- to just in front of clip -1-.

-- Cut through both electrical wires at the places marked with -arrow A- and -arrow B- to approximately $\frac{1}{3}$ to $\frac{2}{3}$ of the free length.

Installing

WARNING:

- Follow all safety precautions when working on pyrotechnic components. Refer to **GENERAL INFORMATION**.
- Before handling pyrotechnical components (for example, connecting electrical connector), the person handling them must discharge static electricity. For example, by briefly touching the door striker

pin.

-- Cut the electrical wires on the new seat position sensor to the same length as those on the old sensor.

- The same wire colors must have the same length.

-- Connect the electrical wires with crimp connectors -arrow A- and -arrow B- **[For engine(s) CAEB, CALA, CCBA] Wiring** .

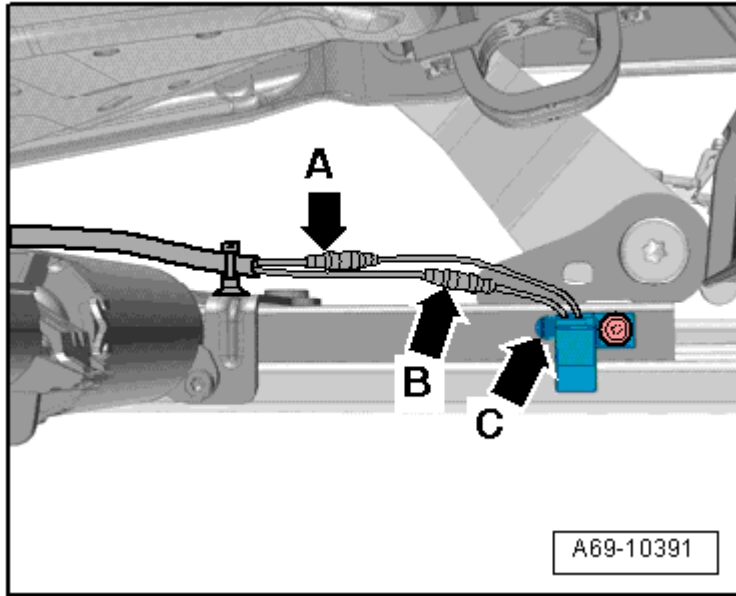


Fig. 113: Identifying Crimp Connectors And Hook
Courtesy of AUDI OF AMERICA, LLC

-- Wrap the entire length of the wiring harness from the clip to the seat position sensor with fabric-reinforced adhesive tape.

-- Install the seat position sensor, making sure the hook -arrow C- on the sensor is inserted in the seat pan lower frame.

Installation is performed in reverse order of removal, noting the following:

NOTE: Make sure the connectors are installed all the way in and are secure.

WARNING: Connect the battery with the ignition switched on. Pyrotechnic components could deploy after connecting the battery if they were not repaired correctly. Individuals must not be inside the vehicle when connecting the battery.

-- Connect the battery ground cable with the ignition turned on. Refer to **[For engine(s) CAEB, CALA, CCBA] Removal and Installation** .

NOTE: If the airbag indicator lamp -K75- indicates a fault after installation, the DTC memory must be checked, deleted and checked again using the Vehicle Diagnostic Tester.

SPECIAL TOOLS

- Trim Removal Wedge 3409

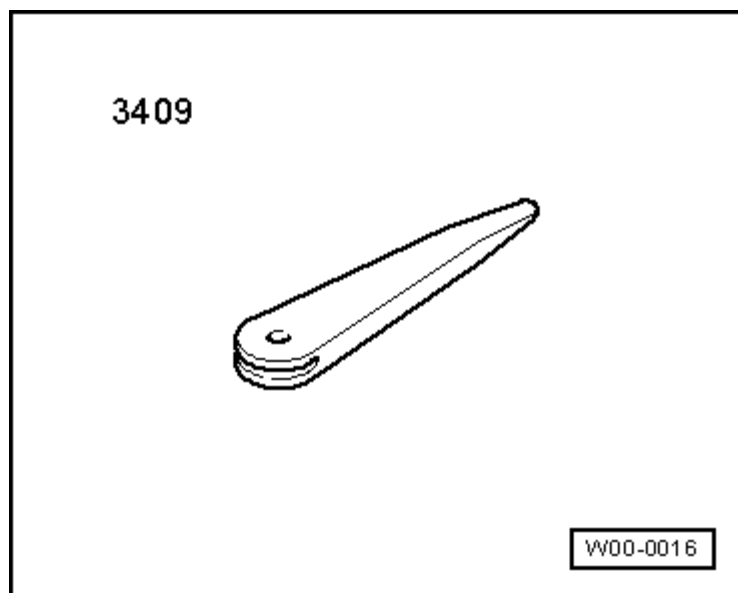


Fig. 114: 3409 Wedge
Courtesy of AUDI OF AMERICA, LLC

- Hot Air Blower VAS 1978/14A
- Seat Repair Stand VAS 6136