

Seat belts

Safety precautions for handling pyrotechnic seat belt tensioners

WARNING!

- ♦ *Testing, removing, installing and repair work must only be carried out by properly qualified personnel.*
- ♦ *When connecting the seat belt tensioner unit, all mechanical components (including those of the three-point seat belt) must be properly attached.*
- ♦ *Only the technician carrying out the work may be present inside the vehicle.*
- ♦ *The seat belt tensioner components cannot be opened or repaired; always use new components.*
- ♦ *Seat belt tensioner units which have been dropped from a height of more than 20 inches must not be installed in a vehicle.*
- ♦ *Seat belt tensioner units which are mechanically damaged (dents, cracks) must always be replaced.*

- ♦ *The seat belt tensioner unit should not be removed from its packaging until just before it is to be installed.*
- ♦ *If the installation work is interrupted, return the seat belt tensioner unit to its packaging.*
- ♦ *Never point the open end of a seat belt tensioner at another person.*

WARNING!

- ♦ *Always wash your hands after handling seat belt tensioners which have been triggered.*
- ♦ *Observe all transportation regulations for explosive substances.*
- ♦ *Do not leave an uninstalled seat belt tensioner unit unattended.*
- ♦ *Seat belt tensioner units must not be treated with grease, cleaners or similar substances.*
- ♦ *Seat belt tensioner units must not be exposed to temperatures above 100 ° C (212 ° F), even for short periods.*

Pyrotechnic seat belt tensioners, disposal

WARNING!

- ♦ *Improper disposal of pyrotechnic seat belt tensioner units (gas generators) which have not been triggered creates a hazard.*
- ♦ *Pyrotechnic seat belt tensioner units (gas generators) must be rendered inoperable before disposing because pyrotechnic devices can cause injury if disposed of improperly (e.g. using a blow torch).*
- ♦ *Seat belts which need to be removed (e.g. after an accident in which the seat belt tensioner was not activated) must be triggered before removal.*
- ♦ *This does not apply to seat belts with malfunctions (e.g. sticking or failure to retract) which must be returned to the Warranty Parts Test Center for analysis.*
- ♦ *Observe all transportation regulations for explosive substances.*
- ♦ *Procedure for rear belt tensioners is*

analogous to front (shelf, remove trim on side of trim or remove 2/3 of backrest cover).

Procedure for triggering pyrotechnic belt tensioners

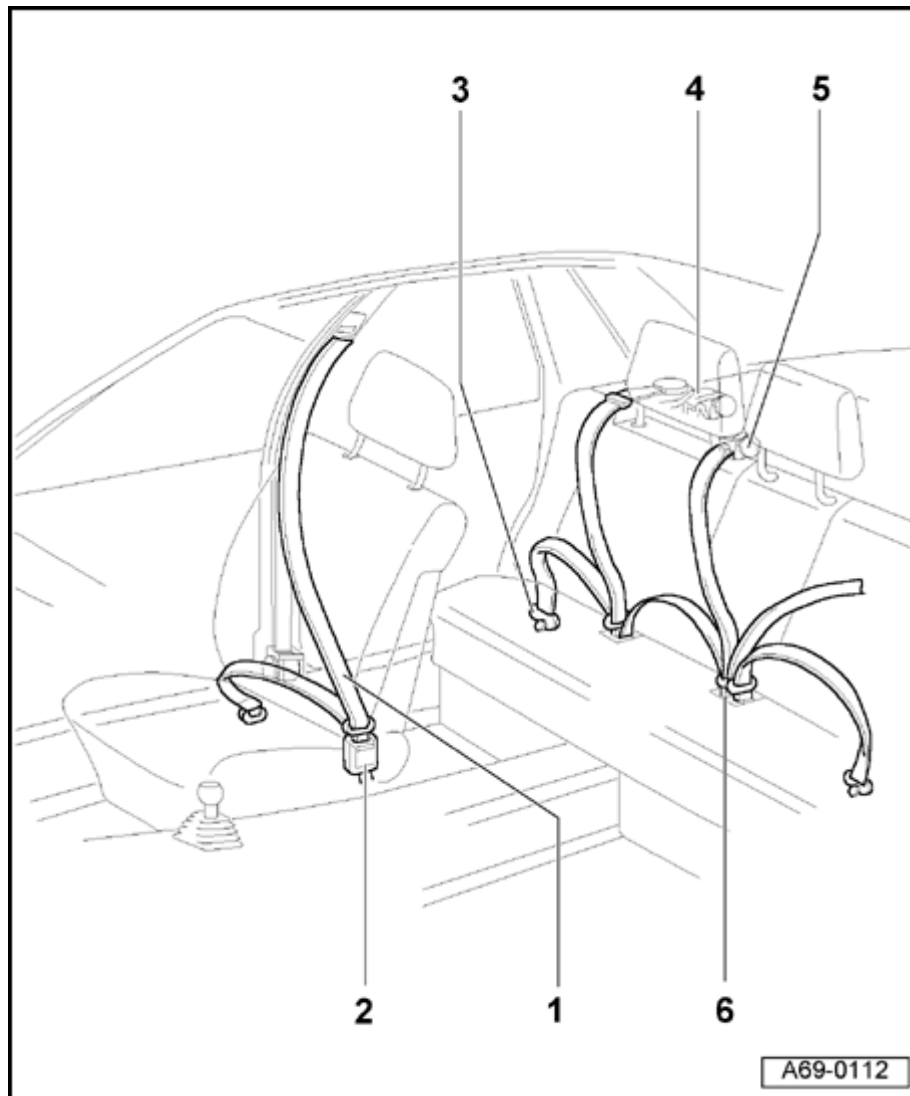
Notes:

- ◆ *Whenever possible, pyrotechnic belt tensioners must be deployed outside the vehicle. Use Airbag and Pyrotechnic Deployment Device J-44210 and follow instructions in booklet.*
- ◆ *The procedure that follows is for deployment of tensioners mounted inside a vehicle.*
- Remove upper B-pillar trim ⇒ [page 70-75](#) .
- Remove lower B-pillar trim ⇒ [page 70-75](#) .
- Remove outer seat belt anchor ⇒ [page 69-13](#) .
- Using scissors, cut belt webbing above seat belt tongue (about 20 cm above belt retractor).
- Disconnect harness connector from belt retractor and connect wiring harness (Part No. 8D1 971 259) to belt tensioner.
- Cut harness connector at opposite end, insulate

both ends of cable, pull cable housing apart until ends of cable are at least 30 cm apart.

- Vehicle must not be occupied
- Open windows and close doors.
- Using wiring harness and an external battery (located outside vehicle), activate gas generator (maintain minimum 10 m distance).

- Air out vehicle after triggering.
- ◆ After removal, the belts can be disposed of as commercial waste.
- ◆ Wash your hands after handling belt tensioners that have fired.
- ◆ Follow safety and handling instructions for pyrotechnic belt tensioners.



Seat belt attachment points, overview

1 - Three-point seat belt with seat belt height adjuster and belt tensioner

♦ Removing ⇒ [page 69-7](#)

2 - Buckle attachment point

♦ Removing ⇒ [page 69-12](#)

3 - Attachment point for outer floor assembly

♦ Removing ⇒ [page 69-13](#)

4 - Left and right-rear three-point seat belt

Sedan:

♦ Removing ⇒ [page 69-15](#)

Avant:

♦ Removing ⇒ [page 69-18](#)

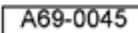
5 - Rear center three-point seat belt

♦ Floor rear backrest

♦ Removing ⇒ [page 69-22](#)

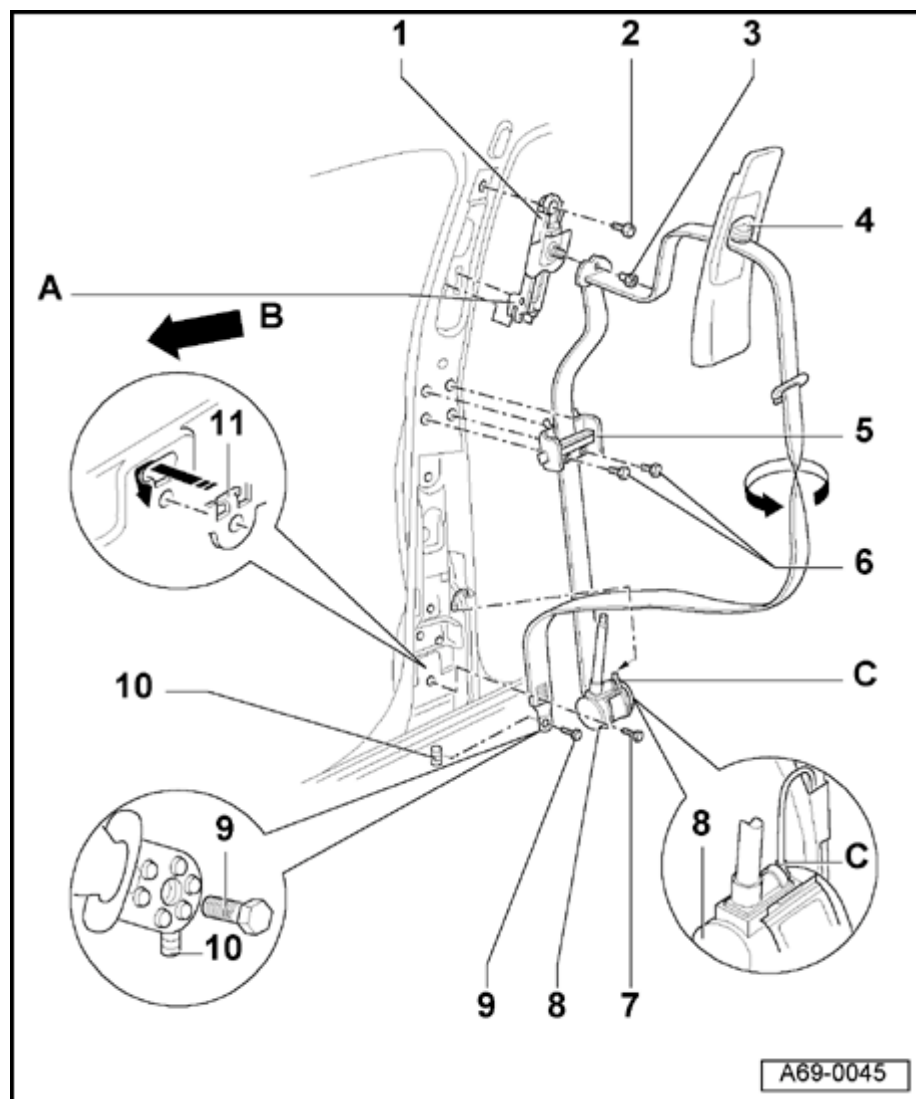
6 - Attachment point for center floor assembly

♦ Removing ⇒ [page 69-25](#)



- ◆ Switch must return by itself to upper position after being actuated.

69-8

**2 - Bolt**

◆ 23 Nm (17 ft lb)

3 - Shouldered nut

◆ 50 Nm (37 ft lb)

4 - Switch for height adjustment**5 - Belt guide**

- Remove bolts -7- (2x).

◆ Unclip lower part of belt guide, swing upward and detach

6 - Bolts (2x)

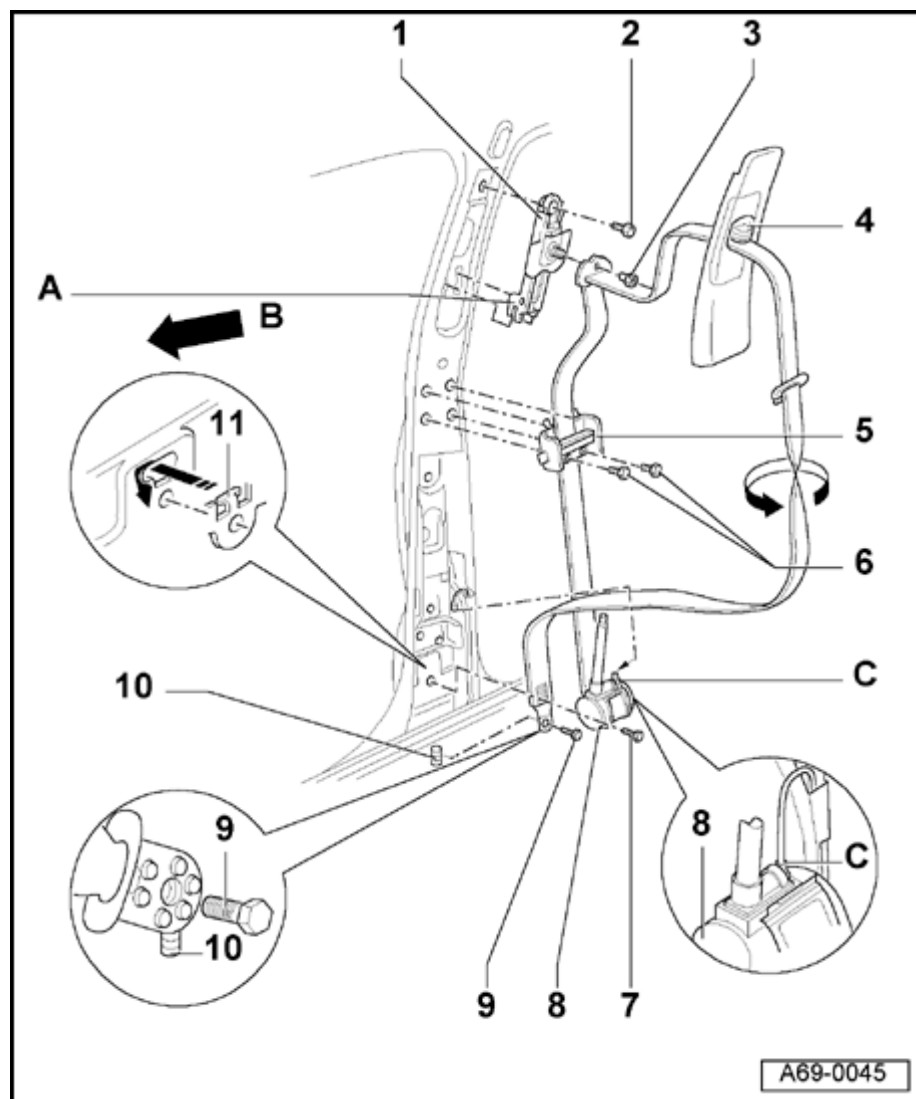
◆ 2 Nm (18 in. lb)

7 - Bolt

◆ 50 Nm (37 ft lb)

8 - Bolt

◆ 50 Nm (37 ft lb)



9 - Belt tensioner

Removing three-point seat belt:

- Disconnect battery.
- Removing sill molding ⇒ [page 70-80](#) .
- Remove bolt -9- (1x).
- Remove upper B-pillar trim ⇒ [page 70-75](#) .
- Remove belt webbing from upper B-pillar trim.
- Remove lower B-pillar trim ⇒ [page 70-75](#) .
- Remove shouldered nuts -3-.
- Disconnect harness connector -C- at belt tensioner.
- Remove bolt -7-.
- Remove belt tensioner -9- upward out of anti-twist stop -11-.

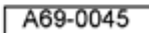
Installing three-point seat belt:

Note:

Arrow -B- indicates direction of travel.

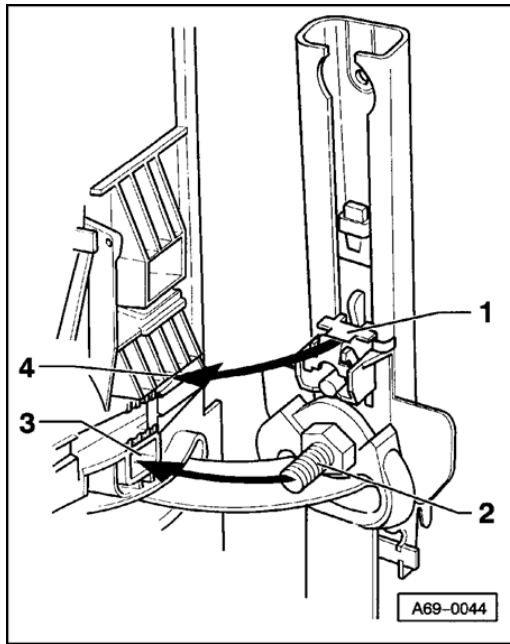
- Install belt tensioner -9- with anti-twist stop -11- as shown in magnified area.

- Install belt webbing (turned 180°) as shown in illustration (arrow).



- ## 11 - Anti-twist stop and reverse-mounting protection for three-point safety belt

69-11



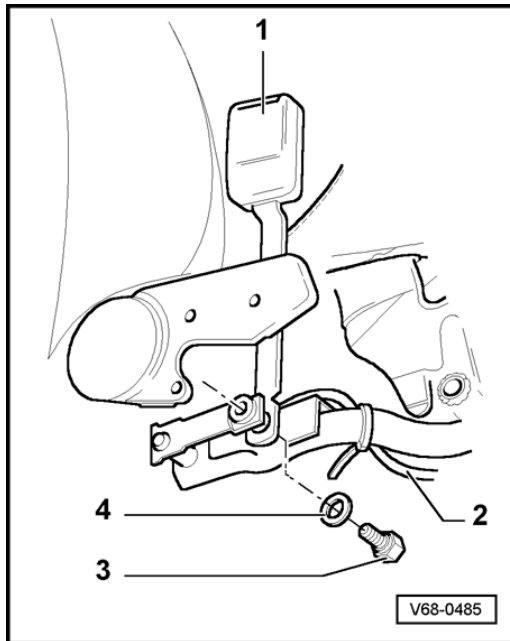
A

Fig. 1 Installing upper B-pillar trim in belt height adjuster

- Guide slide with button -4- (without pressing) beginning at top and working downward into release lever -1- of height adjuster while simultaneously installing pin -2- into mounting -3-.

69-12

Belt buckle attachment point



- Remove seat ⇒ [page 72-2](#) .

1 - Buckle

4 - Spring washer

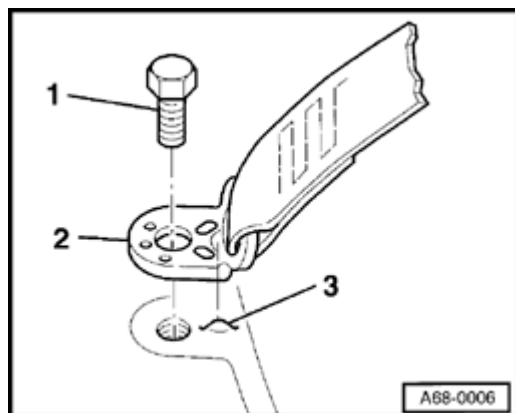
- Remove bolt -3-.

Tightening torque: 60 Nm (44 ft lb)

- If necessary, disconnect harness connector -2- for belt warning.

69-13

Outer floor assembly attachment point



- Remove bolt -1-.

Tightening torque: 50 Nm (37 ft lb)

Mounting bracket -2- must be located in impression -3- of floor assembly.

69-14

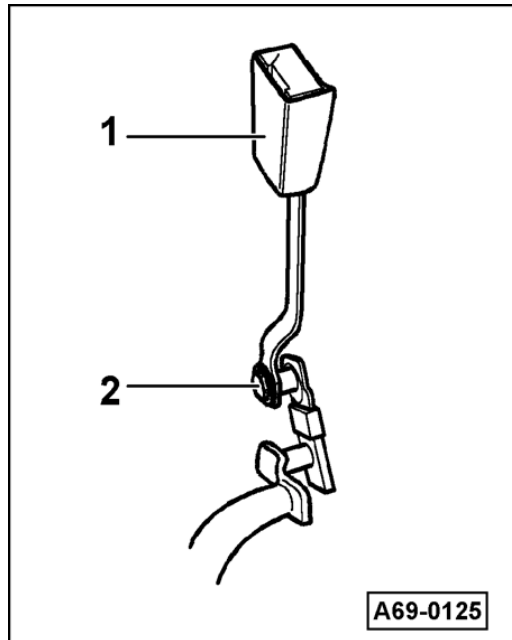
Recaro seat buckle, removing and installing

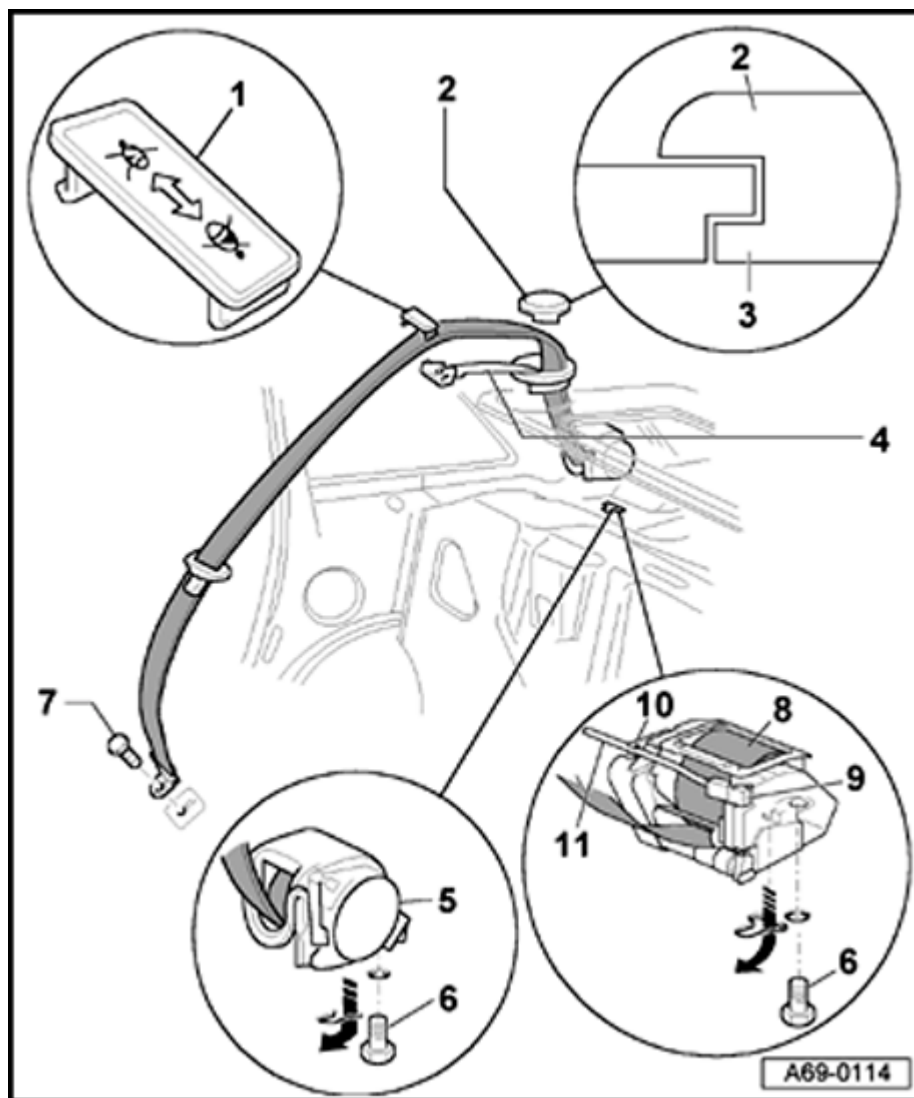
- Remove seat ⇒ [page 72-25](#) .



- Turn buckle -1- downward to allow access to bolt -2-.
- Remove bolt -2-.

Tightening torque: 60 Nm (44 ft lb)





Left and right-rear three-point seat belts, removing and installing

Sedan

1 - Belt guide trim

- ◆ Large symbol must always point toward vehicle center

2 - Belt adjuster cover

3 - Retaining tab

4 - Belt adjuster

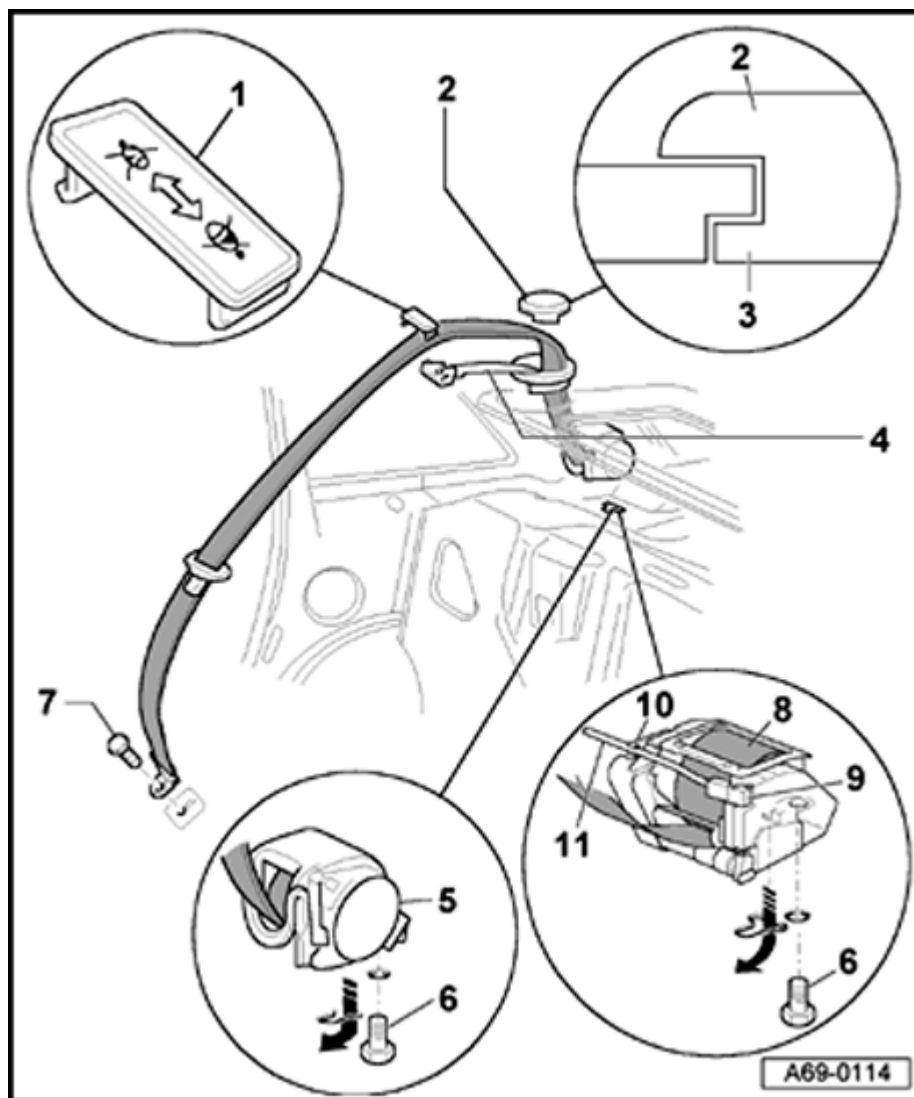
- ◆ Removing and installing ⇒ [page 69-20](#)

5 - Three-point seat belt

Removing:

- Remove rear seat ⇒ [page 72-57](#) .
- Remove bolt -7-.
- Unclip belt guide trim -1-.
- Detach belt adjuster cover -2- at left and right of retaining tab -3-.
- Remove rear shelf ⇒ [page 70-83](#) .
- Open cover for side trunk trim.

69-16



Vehicles with CD player and/or subwoofer or similar:

- Remove side trunk trim ⇒ [page 70-87](#) .

Vehicles with belt tensioners:

- Unclip igniter wire -11- at clip -10-.
- Detach harness connector for igniter wire at clip -9-.
- Remove bolt -6- (1x).
- Detach seat belt against direction of arrow.

Installing:

- ◆ Make sure harness connector for igniter wire -11- engages
- Clip igniter wire -11- into clip -10-.

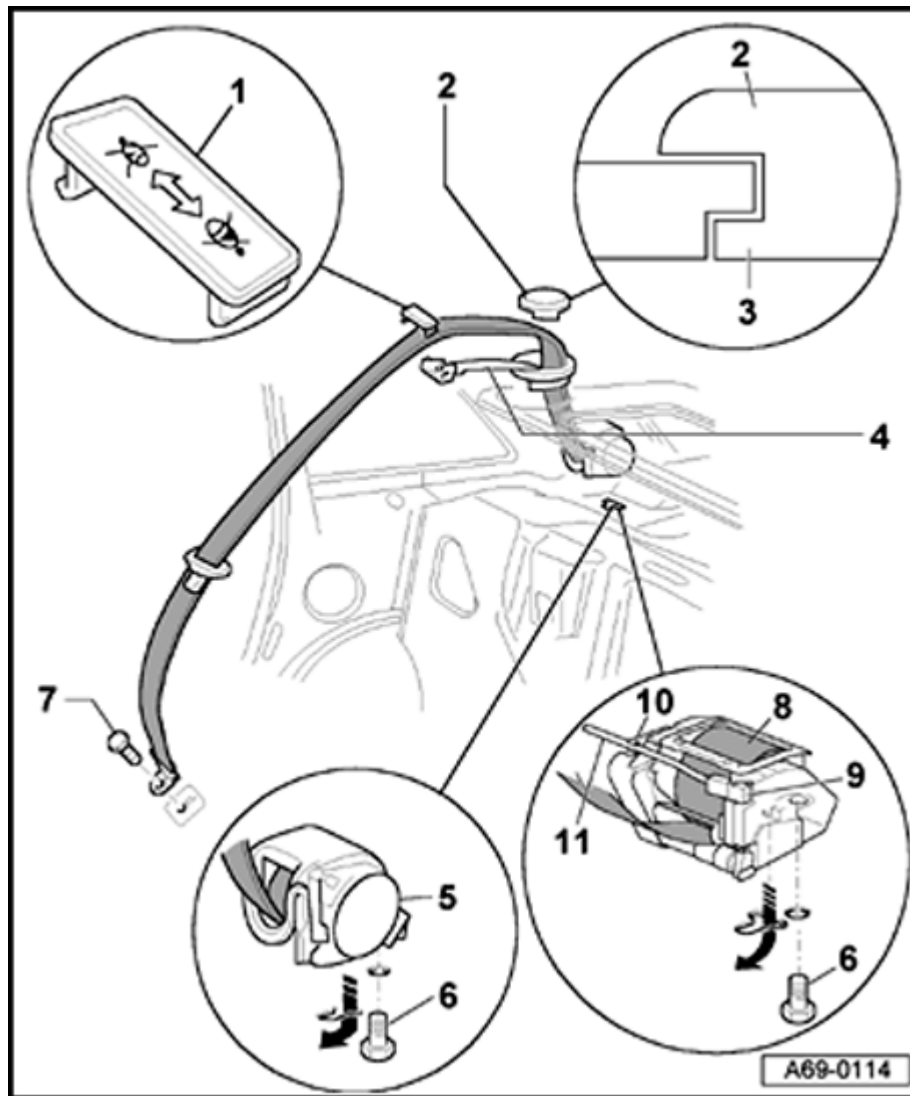
Note:

The igniter wire -11- must not be located near the belt webbing.

- ◆ For vehicles with belt tensioner, check belt-fastened sensor ⇒ [page 69-38](#)
- ◆ After installing rear three-point seat belt, check belt function for child seat ⇒ [page 69-37](#)

- ◆ Three-point seat belt must not be hindered by cables, wires or dampening material, etc

69-17

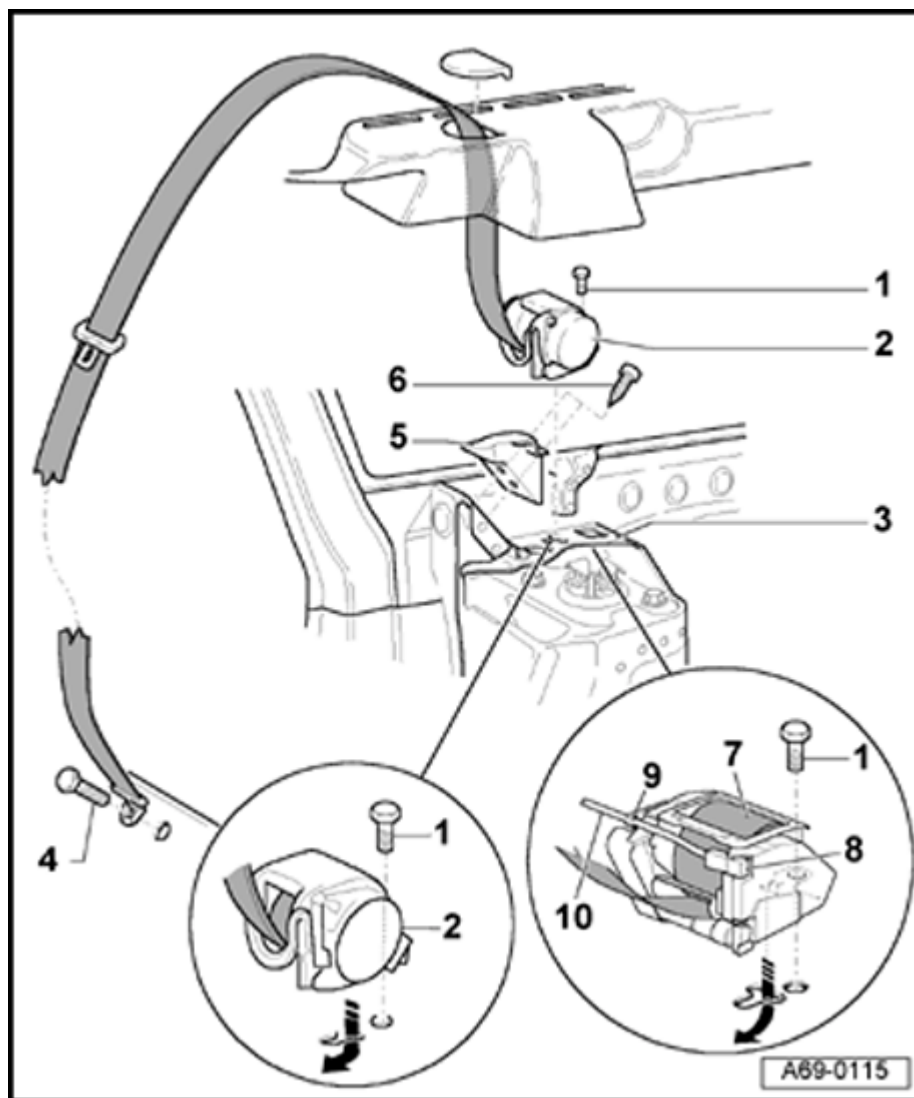
**6 - Bolt**

◆ 50 Nm (37 ft lb)

7 - Bolt

◆ 50 Nm (37 ft lb)

8 - Three-point seat belt with belt tensioner**9 - Clip****10 - Clip****11 - Igniter wire**



Avant

1 - Bolt

◆ 50 Nm (37 ft lb)

2 - Belt tensioner

Removing:

- Remove left and right-rear side bolsters
⇒ [page 72-75](#) .
- Remove left and right-side trunk trim ⇒
[page 70-87](#) .
- Remove rear seat ⇒ [page 72-57](#) .
- Remove bolt -4- (1x).

Vehicles with belt tensioners:

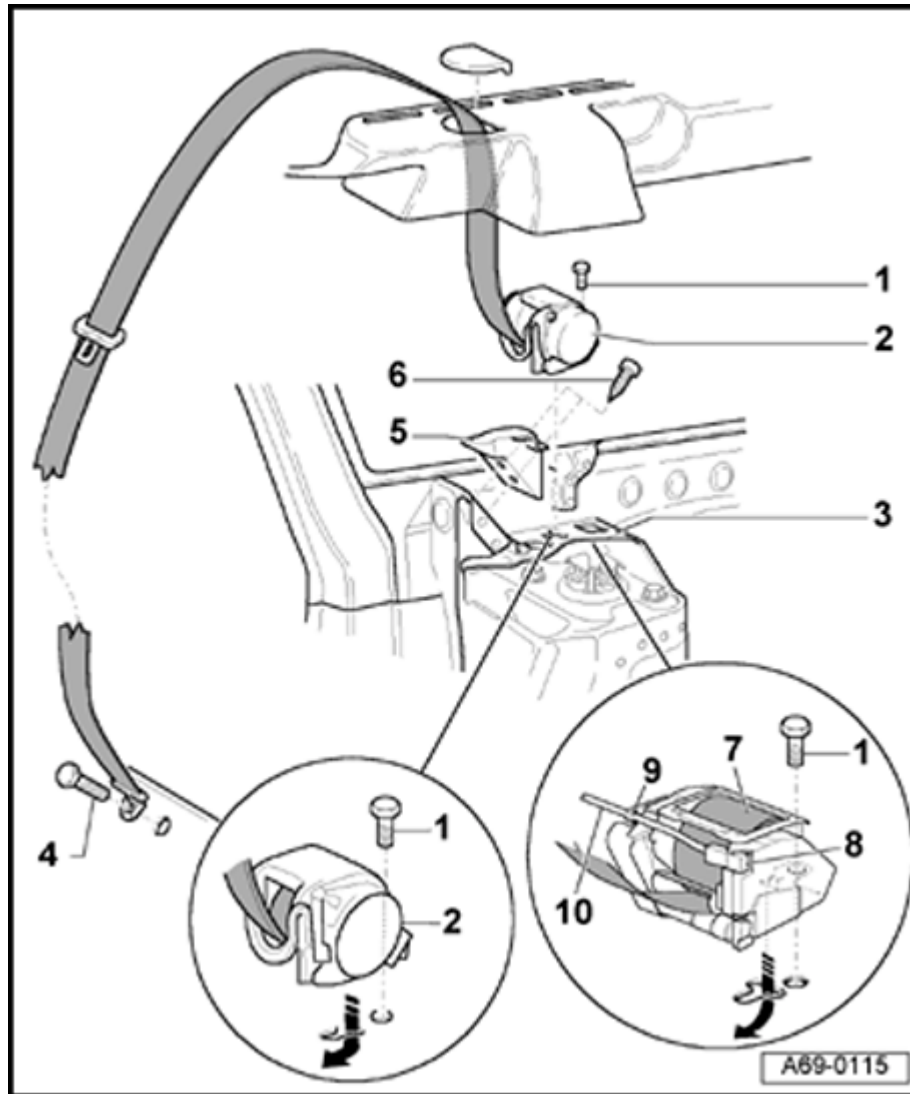
- Unclip igniter wire -11- at clip -10-.
- Detach harness connector for igniter wire
at clip -8-.
- Remove bolt -1- (1x).
- Detach seat belt against direction of
arrow.

Installing:

- Make sure harness connector for igniter
wire -11- engages.
- Clip igniter wire -11- into clip -10-.

Note:

The igniter wire -11- must not be located near the belt webbing.



- ◆ For vehicles with belt tensioner, check belt-fastened sensor ⇒ [page 69-38](#)
- ◆ After installing rear three-point seat belt, check belt function for child seat ⇒ [page 69-37](#)
- ◆ The three-point seat belt must not be hindered by cables, wires or dampening material, etc

3 - Bracket**4 - Bolt**

- ◆ 50 Nm (37 ft lb)

5 - Bracket**6 - Bolt**

- ◆ 2.5 Nm (22 in. lb)
- ◆ It is not necessary to remove metal bracket when removing belt

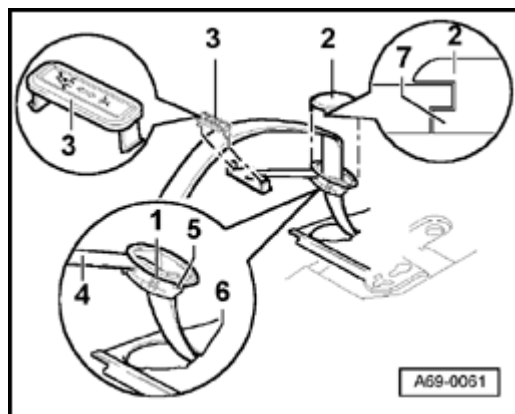
7 - Three-point seat belt with belt tensioner**8 - Clip****9 - Clip****10 - Igniter wire**

Rear belt adjuster, removing and installing

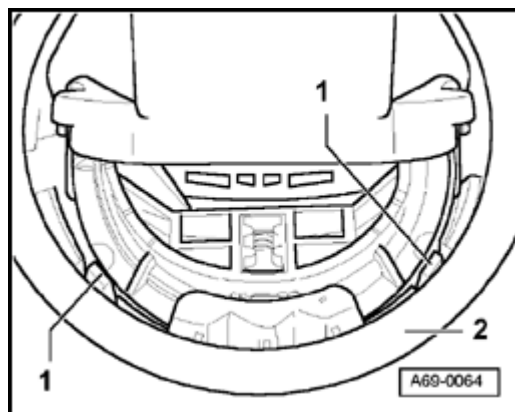
Removing

Note:

It is not necessary to remove the rear shelf when removing the rear belt adjuster.



- ⚠
- Undo lower attachment point of rear three-point seat belt.
Tightening torque: 50 Nm (37 ft lb)
 - Unclip belt guide trim -3-.
 - Detach belt adjuster cover -2- at left and right of retaining tab -7-.
 - Swing belt adjuster -4- with belt webbing upward.

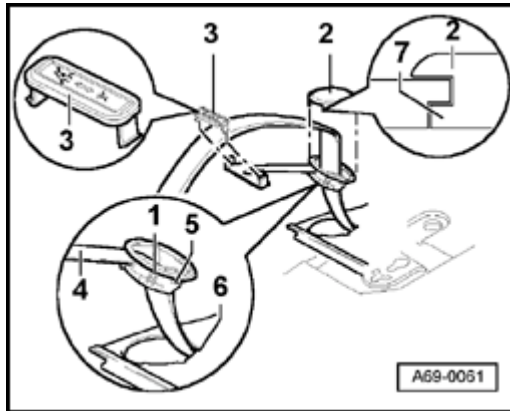


- ⚠
- Use screwdriver to press retaining tab -1- (2x) inward while simultaneously pulling up on belt adjuster -2-.
 - Pull belt webbing through belt adjuster -2-.

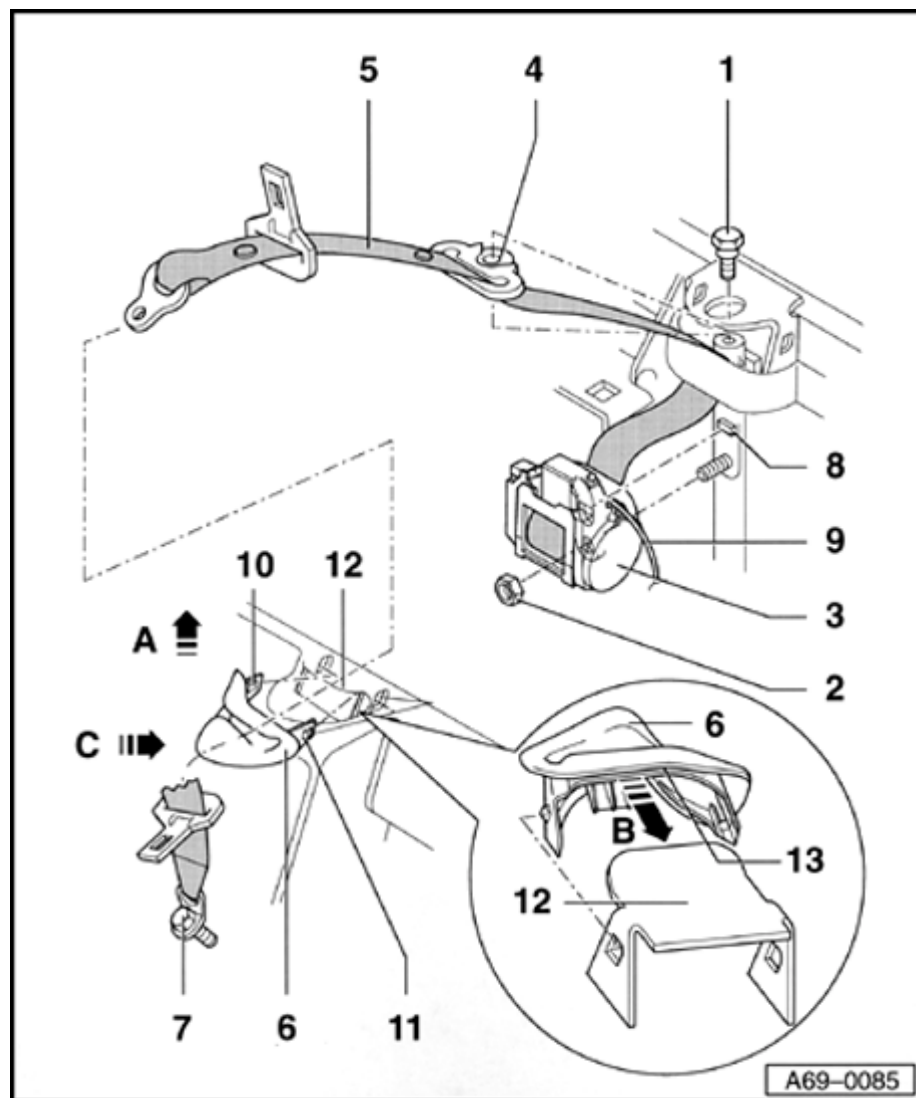
69-21

Installing

4



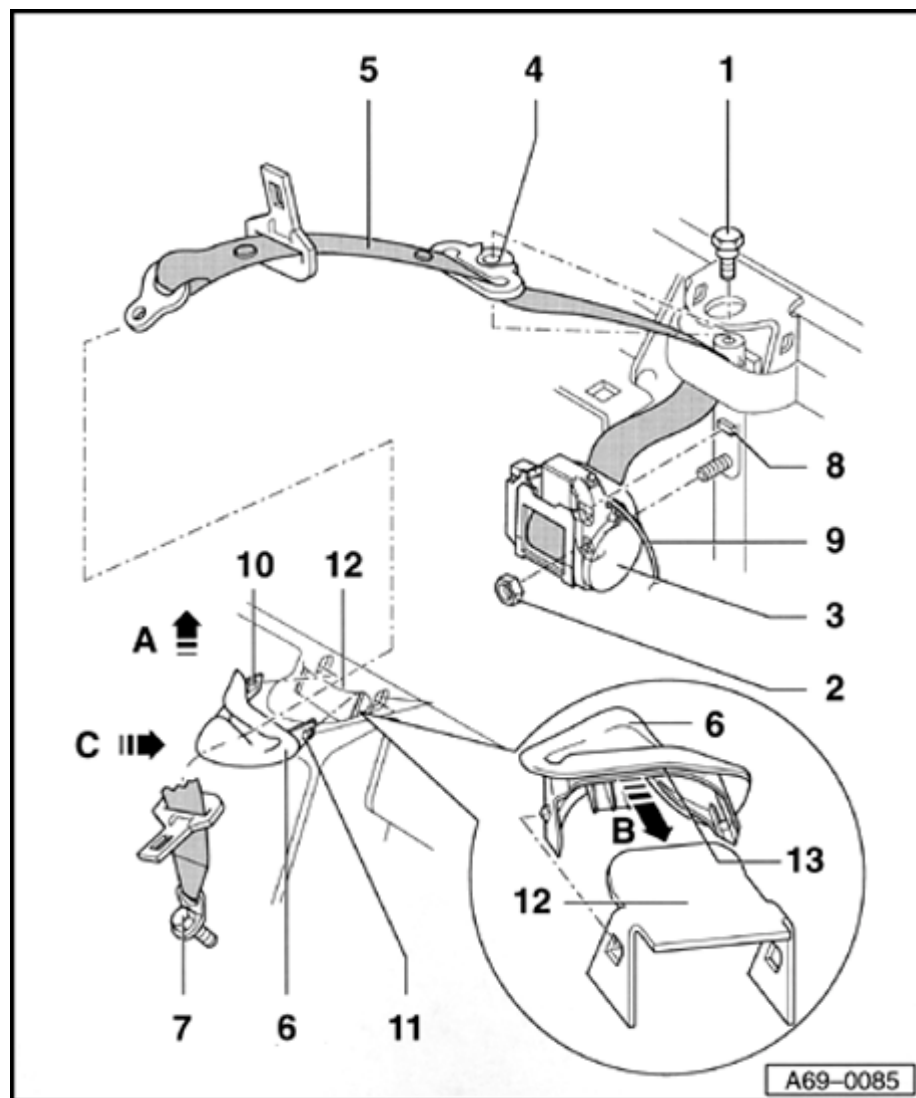
- ◆ Make sure retaining tabs -1- (2x) fully engage.
- ◆ Make sure rear lug engages in notch -6-.
- ◆ Reverse mounting protection -5- must point toward center of vehicle.



Third rear center three-point seat belt (Avant), removing and installing

Removing

- Remove rear seat ⇒ [page 72-57](#) .
- Remove bolt -7-.
- Remove 2/3 seatback (➤ m.y. 97) ⇒ [page 72-62](#) , (m.y. 98 ➤) ⇒ [page 72-64](#) .
- Push cover at belt guide trim -6- to side, and using screwdriver, detach retaining tab -11-.
- Remove cover -6- in direction of arrow -A-.
- Remove padding of 2/3 rear seatback until cover with padding can be removed ⇒ [page 74-37](#) .
- Remove bolt -1- (1x).
- If necessary, disconnect harness connector at belt tensioner.
- Cut tie wrap off belt tensioner igniter wire at belt tensioner.



- Remove nut -2- (1x) and third rear three-point seat belt tensioner -3-.

Installing

- To install belt guide trim -6-, first attach retaining tab -10- and insert, then turn retaining tab -11- inward making sure metal piece -12- is inserted into cutout -13- of belt guide trim -6- (arrow -B- in inset).
- Tap lightly on belt guide trim -6- in direction of arrow -C- to engage.

Vehicles with belt tensioner:

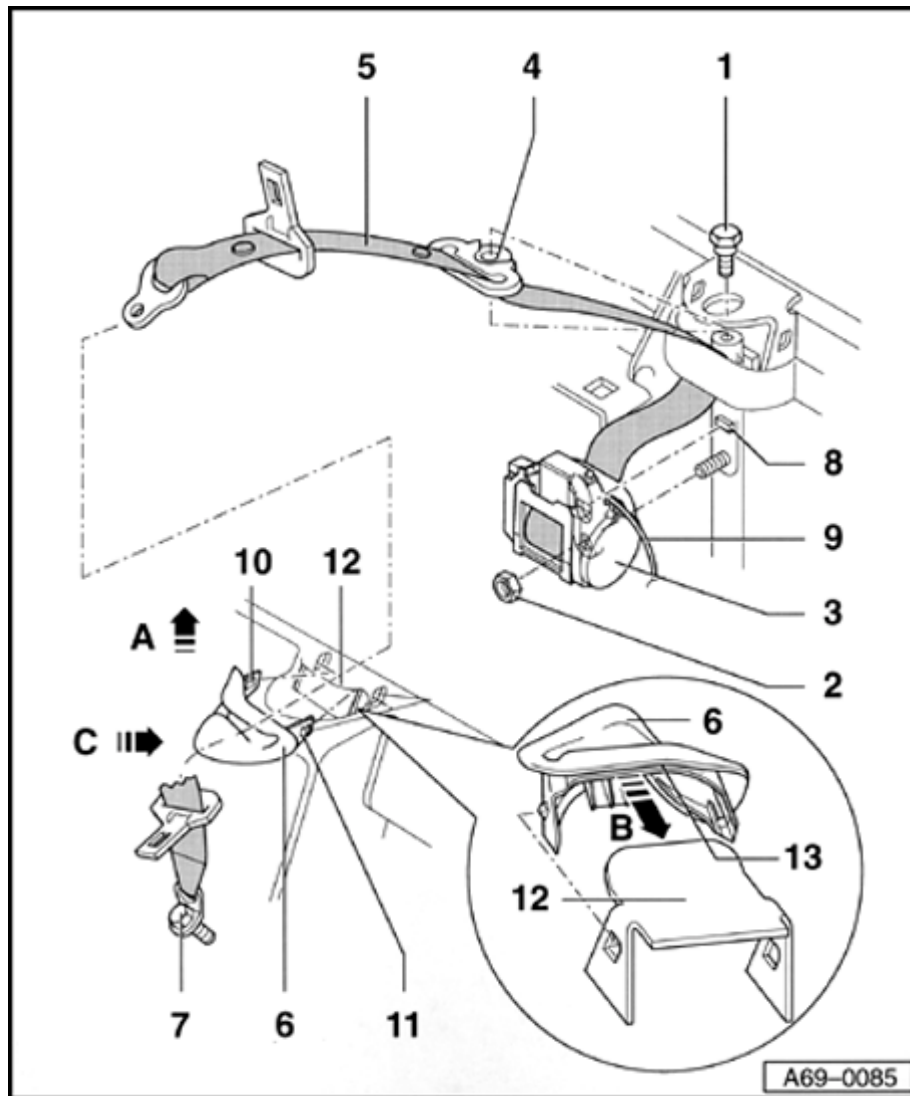
- Check belt-fastened sensor ⇒ [page 69-38](#) .

Notes:

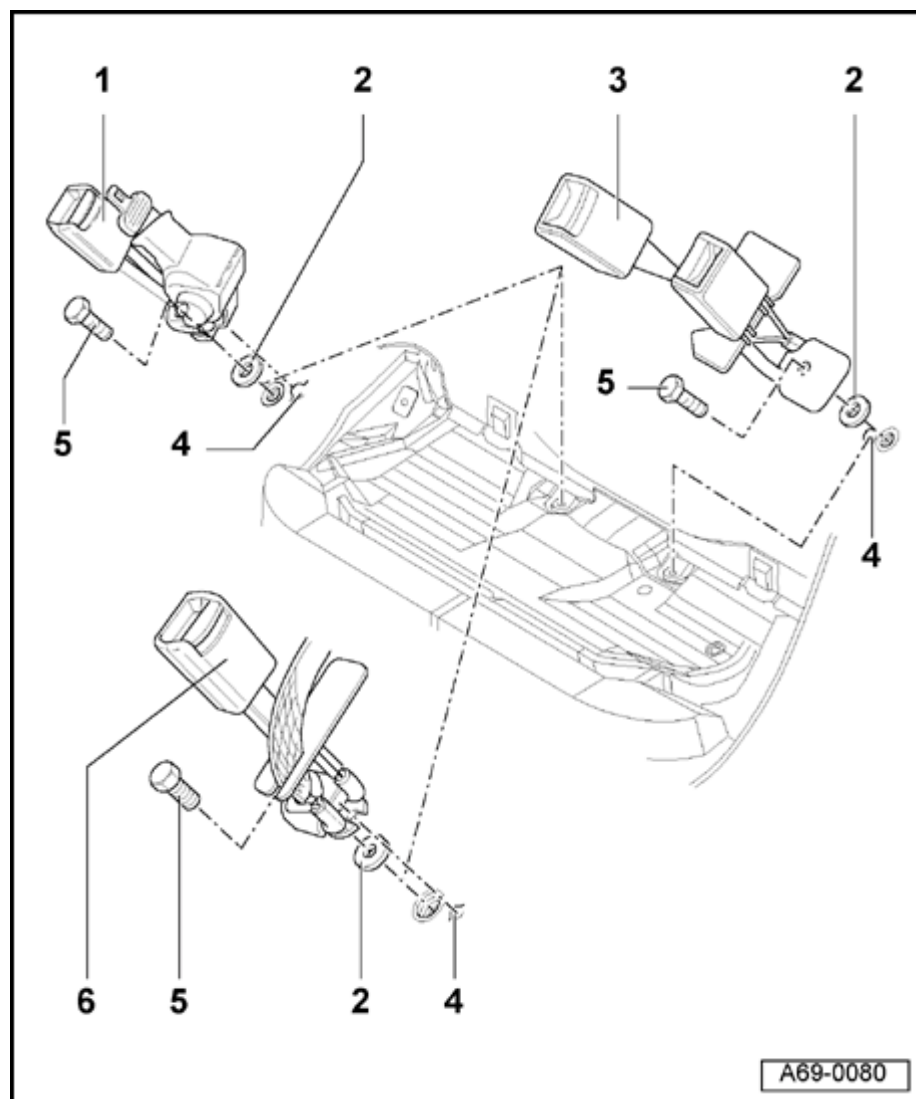
Check the following after full backrest installation:

- ◆ The anti-twist stop -4- and belt webbing -5- must not touch or rub against any foam or cover components.
- ◆ Anti-twist stop -4- must follow all movements of belt webbing.
- ◆ Belt webbing -5- must move freely in all directions.

69-24



69-25

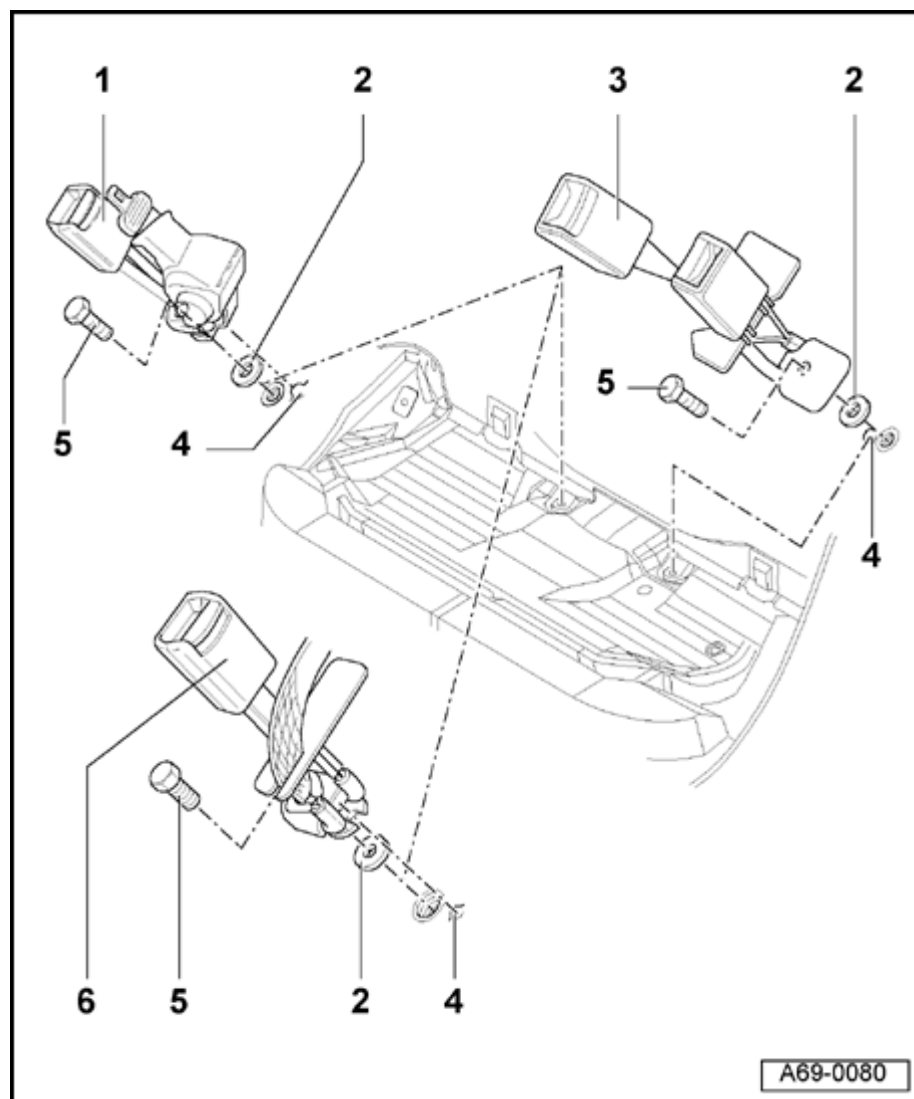


Center floor panel attachment points

Removing

- Remove rear seat ⇒ [page 72-57](#) .
- Remove bolt -5- (1x).
- ◆ Always change gasket -2-.
- ◆ When installing, make sure buckle and/or lap belt engages in guide knob -4-.
- ◆ Narrow side of buckle and/or lap belt must face in direction of travel.

69-26

**Note:**

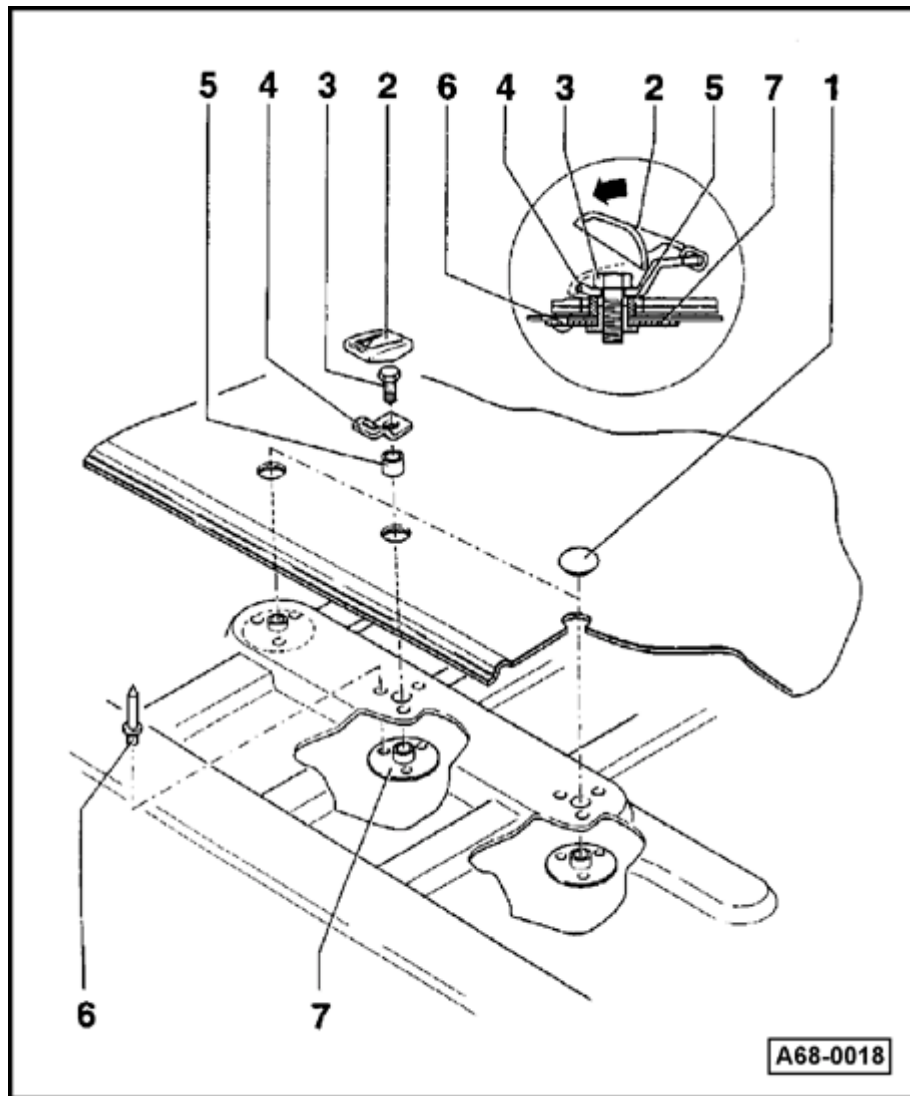
When installing, make sure that bracket is accessible. If necessary, turn lap belt with retractor.

2 - Seal**3 - Buckle****4 - Guide knob****5 - Bolt**

◆ 50 Nm (37 ft lb)

◆ Only use genuine Audi replacement bolts

6 - Lap belt



LATCH system, "Lower Anchors and Tethers for Children", installing, removing, retrofitting (Sedan)

Rear upper tethers, installing

Note:

Mountings can be installed for three upper tether attachment points.

- Remove rear shelf ⇒ [page 70-83](#) .

1 - Cover

2 - Cap

- To install, attach at front and press in direction of arrow and downward.

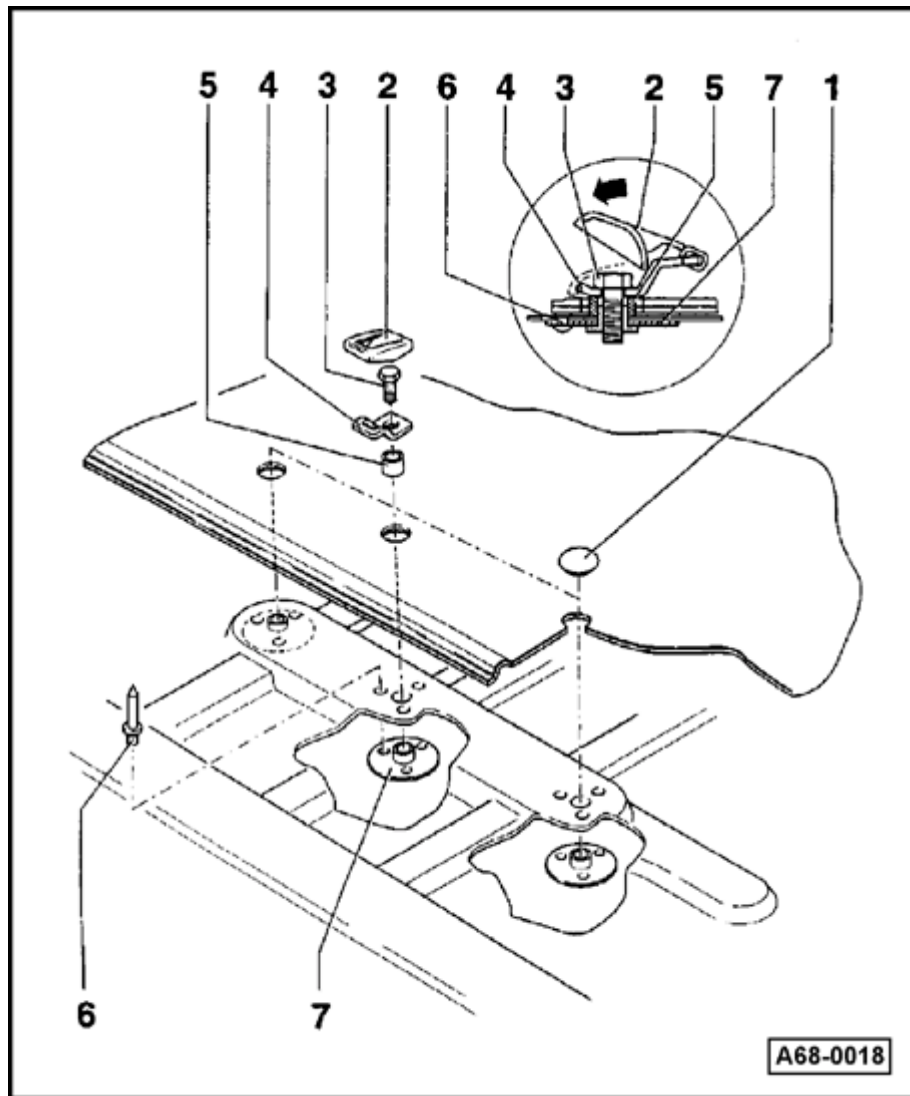
3 - Bolt

- ◆ 23 Nm (17 ft lb)

4 - Attachment point

5 - Spacer

69-28

**6 - Pop rivet**

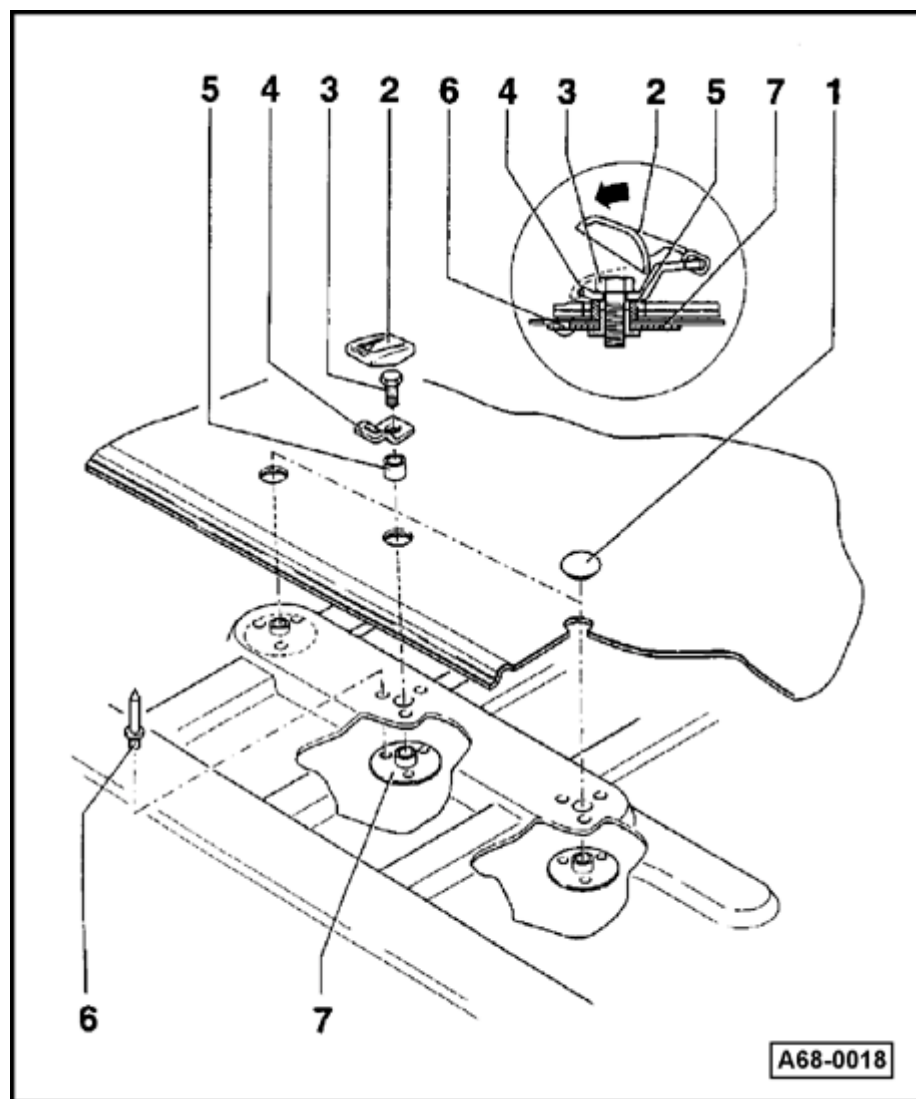
- ◆ Qty: 3 per plate
- ◆ To secure thread washer -7- on metal mounting
- ◆ Riveted from above (interior)

CAUTION!

The thread washer must always be installed from below (trunk side).

7 - Threaded washer

- ◆ Secured on trunk side with pop rivets -6-
- ◆ Threaded insert points upward



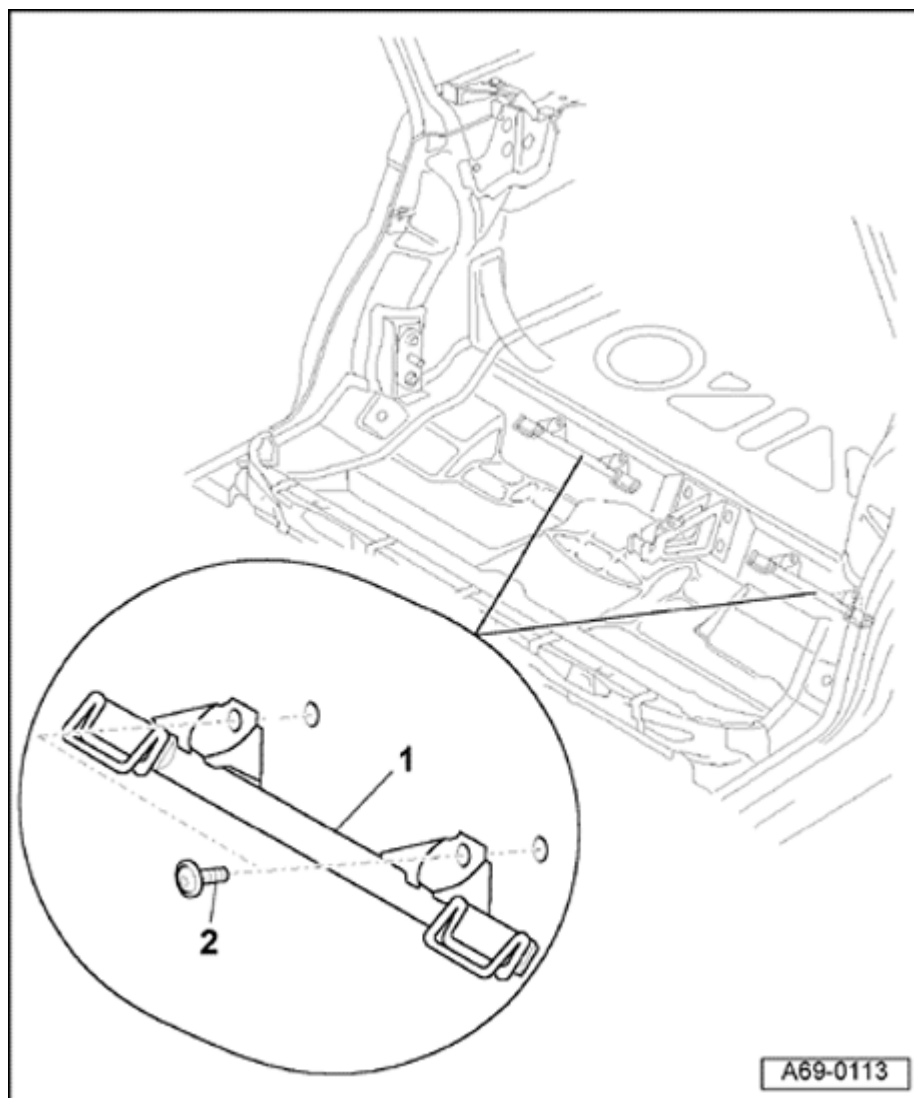
Rear upper tethers, retrofitting

- Beginning in trunk, use felt tip marker to mark center point of center holes (3x).
- Remove rear shelf ⇒ [page 70-83](#) .

CAUTION!

The thread washer must always be installed from below (trunk side).

- Install threaded washer -7- starting from trunk.
- Cut 23 mm hole at each marked point (3x).
- Install rear shelf.
- ◆ 1, 2, or 3 attachment stops can be installed as needed.
- Install spacer sleeve and secure attachment stop with bolt -3-.
- Close other holes using cover -1-.



Rear lower anchors, installing

1 - Rear lower anchor bracket

- Remove rear seat ⇒ [page 72-57](#)
- Disconnect connectors
- Remove bolts -4- (2x).

2 - Bolts (4x)

- ◆ 30 Nm (22 ft lb)
- Mount rear lower anchor bar -1- with bolts -2- fastened into threaded holes in body floor panel.

Notes:

- ◆ To install solid rear backrest, push tabs behind rear lower anchor bracket.
- ◆ If rear lower anchor is retrofitted, it may be necessary to flatten tab in vise down to about 3 mm ⇒ [page 72-58](#)
- ◆ Inside anchors are not recommended for attaching rear lower anchors of a LATCH seat in the middle position. The three-point lap/shoulder belt should be used.

LATCH system, "Lower Anchors and Tethers for CHildren", installing, removing, retrofitting (Avant)

Rear upper tethers

Note:

Some A4 Avant models may require a seat back change for rear top tether installation.

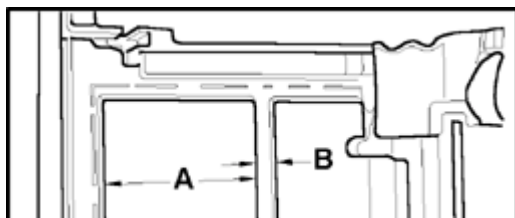
Rear upper tethers (Avant), retrofitting (➤ m.y. 1998)

To retrofit the child seat attachment point on vehicles ➤ m.y. 1998, a backrest from m.y. 1999 or later must be installed.

- Remove old backrest.

⇒ [Repair Manual Body Interior Repair Group 72](#)

1/3 backrest



➤

- Using sharp knife, carefully cut upholstery -1- at width of 30 mm (dimension -B-) down to indentation -2- (dimension -A- = 195 mm when measured from below).

69-32**2/3 backrest**

- Using sharp knife, carefully cut upholstery at reinforcements.

All backrests

- Install new panel on backrest.
 - ◆ Note original color and cargo net version.

Rear upper tethers (Avant), retrofitting (➤ m.y. 1998)

To retrofit the child seat upper tether points on vehicles ➤ m.y. 1998, a backrest from m.y. 1999 or later must be installed.

- Remove old backrest.

⇒ [Repair Manual Body Interior Repair Group 72](#)

1/3 backrest



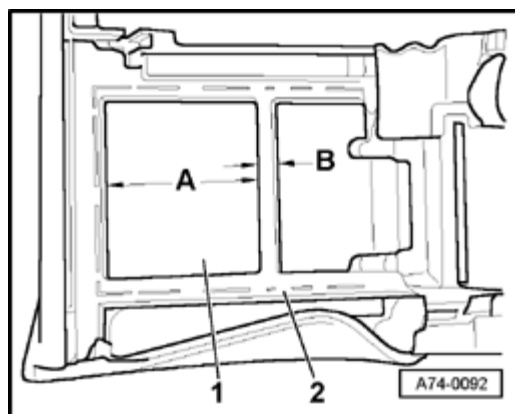
- Using sharp knife, carefully cut upholstery -1- at width of 30 mm (dimension -B-) down to indentation -2- (dimension -A- = 195 mm when measured from below).

2/3 backrest

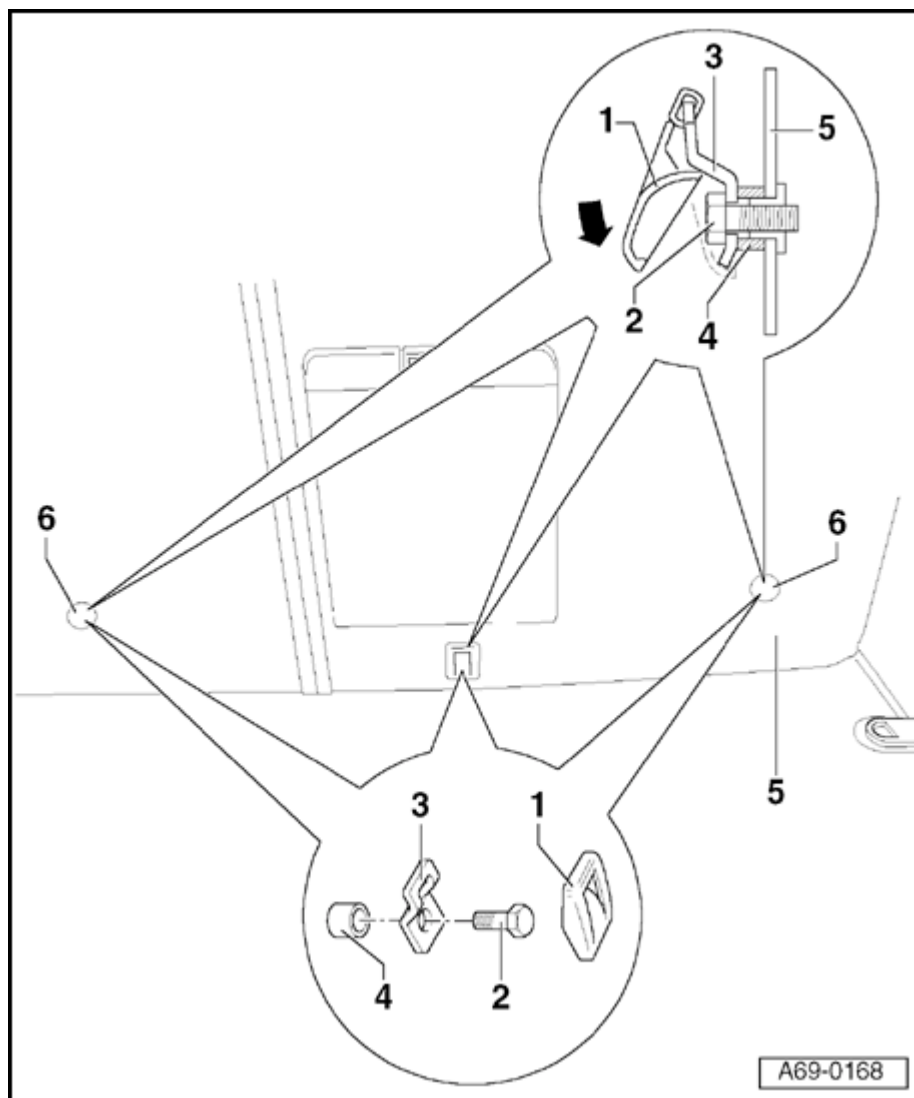
- Using sharp knife, carefully cut upholstery at reinforcements.

All backrests

- Install new panel on backrest.
 - ◆ Note original color and cargo net version.



69-34



Rear upper tethers (Avant), removing and installing (m.y. 1999 ➤)

1 - Cap

- ◆ To install, attach at front and press downward in direction of arrow

2 - Bolt

- ◆ 23 Nm (17 ft lb)

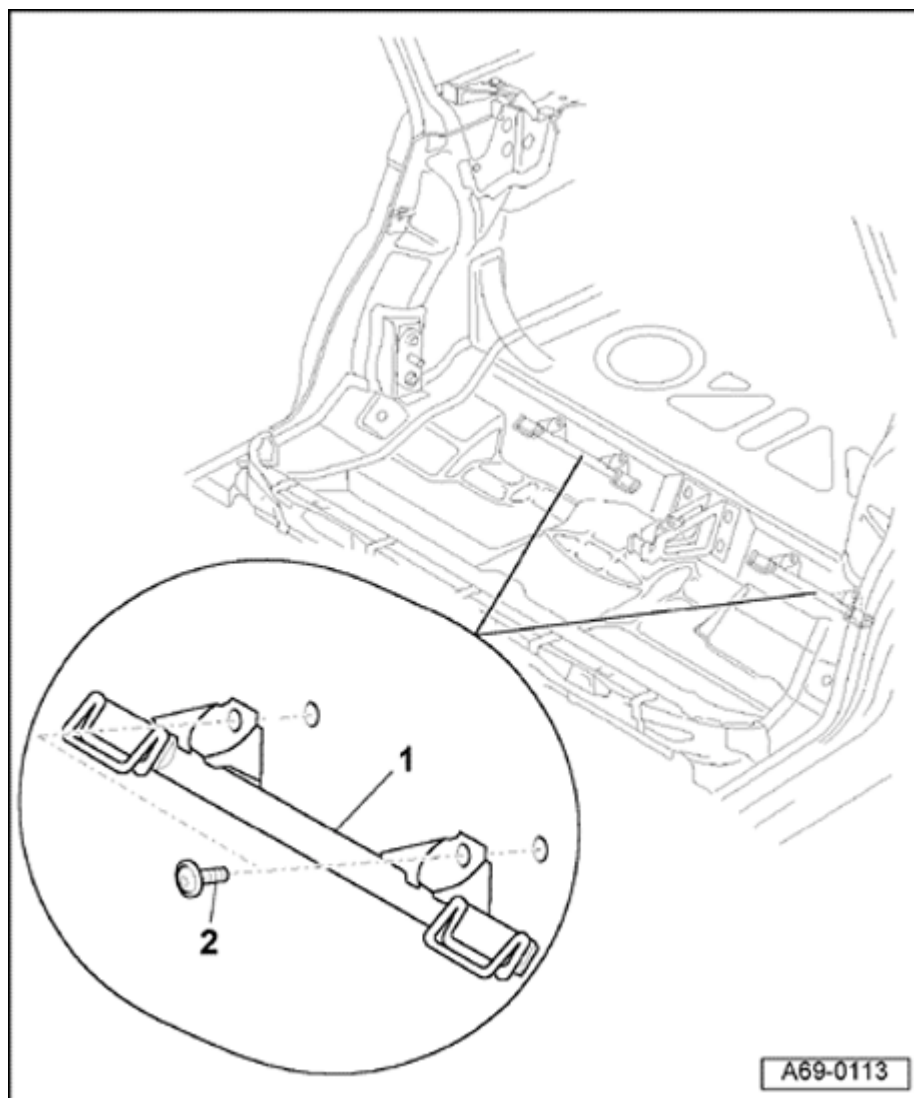
3 - Attachment point

4 - Spacer pulley

5 - Backrest

6 - Plugs

- ◆ Remove if necessary and attach items -1- through -4-



Rear lower anchors, installing

1 - Rear lower anchor bracket

- Remove rear seat ⇒ [page 72-57](#)
- Disconnect connectors
- Remove bolts -4- (2x).

2 - Bolts (4x)

- ◆ 30 Nm (22 ft lb)
- Mount rear lower anchor bar -1- with bolts -2- fastened into threaded holes in body floor panel.

Notes:

- ◆ To install solid rear backrest, push tabs behind rear lower bracket.
- ◆ If rear lower anchor is retrofitted, it may be necessary to flatten tab in vise down to about 3 mm ⇒ [page 72-58](#)
- ◆ Inside anchors are not recommended for attaching rear lower anchors of a LATCH seat in the middle position. The three-point lap/shoulder belt should be used.

Airbags, servicing

Airbag system, safety precautions

WARNING!

- ♦ *Checking, removing, installing and servicing may ONLY be performed by qualified personnel.*
- ♦ *Never perform tests using a test light or multimeter.*
- ♦ *Airbag system may only be tested when installed in vehicle using VAG1551/VAG1552 scan tool.*
- ♦ *Battery must be disconnected before performing any work on airbag system.*
- ♦ *Work can begin immediately after disconnecting the battery.*
- ♦ *When connecting the airbag system to a voltage source, no one should be in the vehicle interior.*
- ♦ *Always install airbag units in the vehicle as soon as they are removed from the*

packaging.

- ♦ *If installation work is interrupted, immediately return the airbag unit to its original packaging.*
- ♦ *NEVER leave an airbag unit unattended.*
- ♦ *After removing from the vehicle, ALWAYS lay the airbag down with impact absorbing pad (padded side) facing up.*
- ♦ *Never attempt to open or service airbag components. Always use new parts.*

WARNING!

- ♦ ***DO NOT install an airbag unit that has fallen on a hard surface or experienced mechanical damage.***
- ♦ ***Airbag units have an expiration date (see sticker on B-pillar). If airbag units are replaced, pull sticker with expiration date off new airbag unit and place it over old sticker on B-pillar. Airbag unit and sticker must be replaced after 14 years.***
- ♦ ***If there is no sticker on the B-pillar, airbag change must be indicated in service plan.***
- ♦ ***Airbag unit must not be treated with grease, cleaners or similar materials and must not be exposed to temperatures above 100 ° C (212 ° F), even for short periods.***

Always use the following work sequence when replacing airbag units:

- 1 - Remove old airbag unit and lay down with padded side facing up, for side curtain airbag, observe additional safety precautions ⇒ [page 69-49](#) .

2 - Remove new airbag unit from transport container and lay down with padded side facing up, for side curtain airbag observe additional safety precautions ⇒ [page 69-49](#) .

3 - Immediately place old airbag in transport container.

4 - Install new airbag in vehicle.

Airbag units, replacing after an accident

Accident with activation of airbag and belt tensioners (up to and including airbag 7)

Airbag control module must be replaced after every activation of airbag and belt tensioners

Accident with activation of airbag and belt tensioners (for airbag 8) (integrated as of 10/98)

Notes:

- ◆ *For vehicles with airbag 8, display will indicate airbag front and side or airbag front and side curtain.*
- ◆ *Airbag control module can be used for up to three side-/side curtain airbag and/or belt tensioner activations.*
- ◆ *After the third activation, the DTC "Control Module Malfunctioning" will appear.*

Airbag control module must be replaced:

- ◆ *After driver-side and/or passenger-side airbag deployment.*

- ◆ If housing is damaged.
- ◆ If there is a deformation of body channel, within a circumference of 200 mm around control module.
- ◆ After three side-/side curtain airbag deployments.

All models**Always replace any deployed airbag unit and the following**

Also replace the following if passenger-side airbag deployed:

- ◆ Flap and mounting frame for airbag (do not reshape deformed mounting frames) and instrument panel (if damaged).
- ◆ Lateral acceleration sensor (if floor pan in area near sensor is deformed).

Also replace the following if driver-side airbag deployed:

- ◆ Spiral spring with slip ring.
- ◆ Lateral acceleration sensor (if floor pan in area near sensor is deformed).

Also replace the following if side airbag deployed:

- ◆ Lateral acceleration sensor for the deployed side airbag.

- ◆ Seatback cushion.
- ◆ Backrest cover.
- ◆ Lateral acceleration sensor that hasn't been activated (if area near it in floor pan has been deformed).

Also replace the following if side curtain airbag deployed:

- ◆ Acceleration sensor for deployed side airbag.
- ◆ Molded headliner.
- ◆ Trim panels at A-pillar, B-pillar, C-pillar and D-pillar.
- ◆ Acceleration sensor that hasn't been activated (if floor pan in area near sensor is deformed).

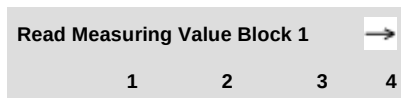
Also

All seatbelts with activated belt tensioners.

On Board Diagnostic will recognize if belt tensioners have been activated for airbag V, 7 and 8.

A - if airbag control module has been triggered:

Front seat belt tensioners:

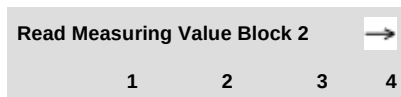


- Read Measuring Value Block display group 1:

⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#)

Activated belt tensioners can be identified by "0111" or "too large" indicated on display.

Rear seat belt tensioners:



- Read Measuring Value Block display group 2:

⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#)

Activated belt tensioners can be identified by "0111" or "too large" indicated on display.

B - If airbag control module is replaced:

- Check DTC memory:

⇒ [*Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01*](#)

Activated belt tensioners can be identified by the DTC: "Ignitor for belt tensioner - resistance is too high"

- If necessary (visual check) also replace: all damaged components.

Accident without airbag deployment

If airbag Malfunction Indicator Lamp (MIL) -K75- does not indicate a DTC, then airbag components do not need to be replaced. Check seat belts separately.

After replacing airbag units or the control module, attach label (only tear-off strip) to registration card and send in registration card.

Airbag system side airbags, safety precautions

WARNING!

- ♦ *Checking, removing, installing and servicing may ONLY be performed by qualified personnel.*
- ♦ *Following the same safety precautions as for driver and passenger-side airbags.*
- ♦ *Only use original equipment seat covers and backrest covers that are approved for use with side airbags (identified by a label on the fabric).*
- ♦ *Do not use extra seat covers over the seat as they interfere with proper side airbag operation.*
- ♦ *Do not use seat cushion supports, mats or similar since they impare seat occupant sensor and airbags*

Note:

The driver's seat does not have a seat occupant sensor.

WARNING!

- ♦ *For vehicles without heated seats, a dummy seat heating element is installed (heating element without heating wire).*
- ♦ *The seat backrest foam must not be cut out in the area of the side airbag.*
- ♦ *When installing, seam near side airbag must be straight.*

WARNING!

- ♦ *All upholstery clips must be replaced (metal and plastic clips).*
- ♦ *Only use genuine Audi replacement upholstery clips.*
- ♦ *When installing, all upholstery clips must be installed at the same location from which they were removed.*
- ♦ *If the seat cover is damaged (rips, burn holes etc) near the side airbag, always replace the seat cover to ensure proper side airbag inflation.*
- ♦ *Seat cover may not be repaired in the area near the side airbag (special thread and an exact seam are used).*
- ♦ *Always replace seat cover if side airbag has deployed.*
- ♦ *All damaged components must be replaced after an accident. If no damage to the airbag unit is found, the airbag unit can be reused.*

- ♦ *Side airbag units have an expiration date (see sticker on B-pillar). If side airbag units are replaced, pull sticker with expiration date off new side airbag unit and place it over old sticker on B-pillar. Replace side airbag unit and sticker after 14 years.*
- ♦ *If there is no sticker on the B-pillar, airbag change must be indicated in service plan.*
- ♦ *If side airbag unit is replaced, pull airbag number sticker off side airbag unit and stick it to the seat pan.*
- ♦ *Do not use a needle or other sharp objects to poke around area near airbag and sensor mat.*

Additional safety precautions for side curtain protection airbag

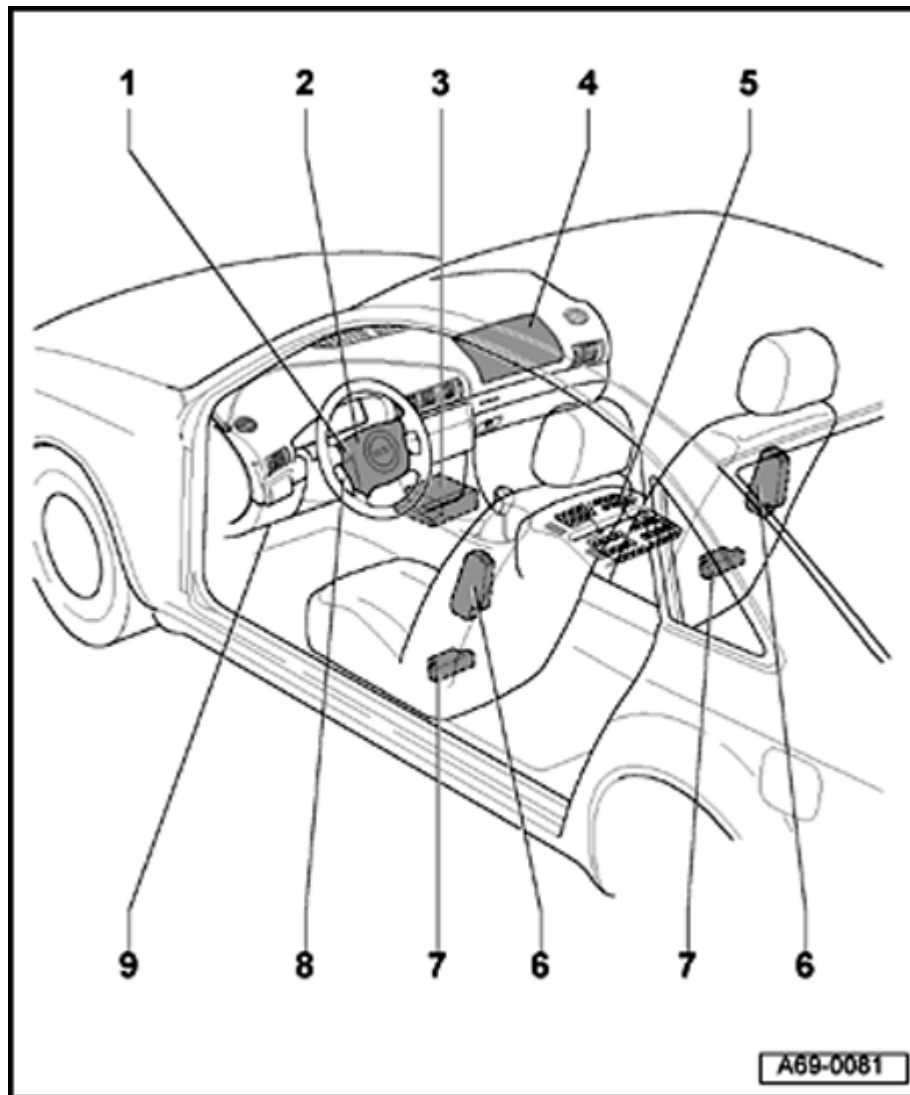
WARNING!

All safety precautions for the driver and passenger-side airbags apply, as well as the following:

- ♦ *Visually check the vehicle's trim panels for damage before every installation.*
- ♦ *Do not attempt any repair work on the vehicle trim panels (top trim panels for A-pillar, B-pillar, C-pillar and D-pillar).*
- ♦ *Make sure the trim panel is securely fitted during installation.*
- ♦ *Side curtain airbags must only be folded at its intended location (transition of roof to A-pillar).*
- ♦ *To carry out repairs behind the side curtain airbag, always remove the entire unit first.*
- ♦ *After removal, always carry the side curtain airbag in the folded position.*

WARNING!

- ♦ *After removal, place the side curtain airbag into the transport container in the folded position or lay on a clean, even surface (on a blanket or in the luggage compartment).*
- ♦ *After servicing the body of vehicle in vicinity of airbag, check the body for welding beads, deformations and chafe marks (compare to opposite side of the vehicle).*
- ♦ *Always hold the side curtain airbag securely.*
- ♦ *After removal, always fold the side curtain airbag and grasp by the igniter (thumbs toward E-connection).*
- ♦ *Always keep one hand on the igniter.*
- ♦ *Never twist, wind, bend, throw, spin, pull, hang, squeeze, press, pinch or clamp the side curtain airbag.*
- ♦ *If any contamination penetrates into the fabric (i.e. oil, grease, lacquer, paint or solvent), the unit must always be replaced.*



Airbag component locations, overview

1 - Driver-side airbag unit

- ◆ Removing ➤ m.y. 1998 ⇒ [page 69-53](#)
- ◆ Removing m.y. 1998 ➤ ⇒ [page 69-54](#)

2 - Driver-side airbag unit (sport steering wheel)

- ◆ Removing ➤ m.y. 1998 ⇒ [page 69-58](#)
- ◆ Removing m.y. 1998 ➤ ⇒ [page 69-61](#)

3 - Airbag control module -J234-

- ◆ Removing and installing ⇒ [page 69-74](#)

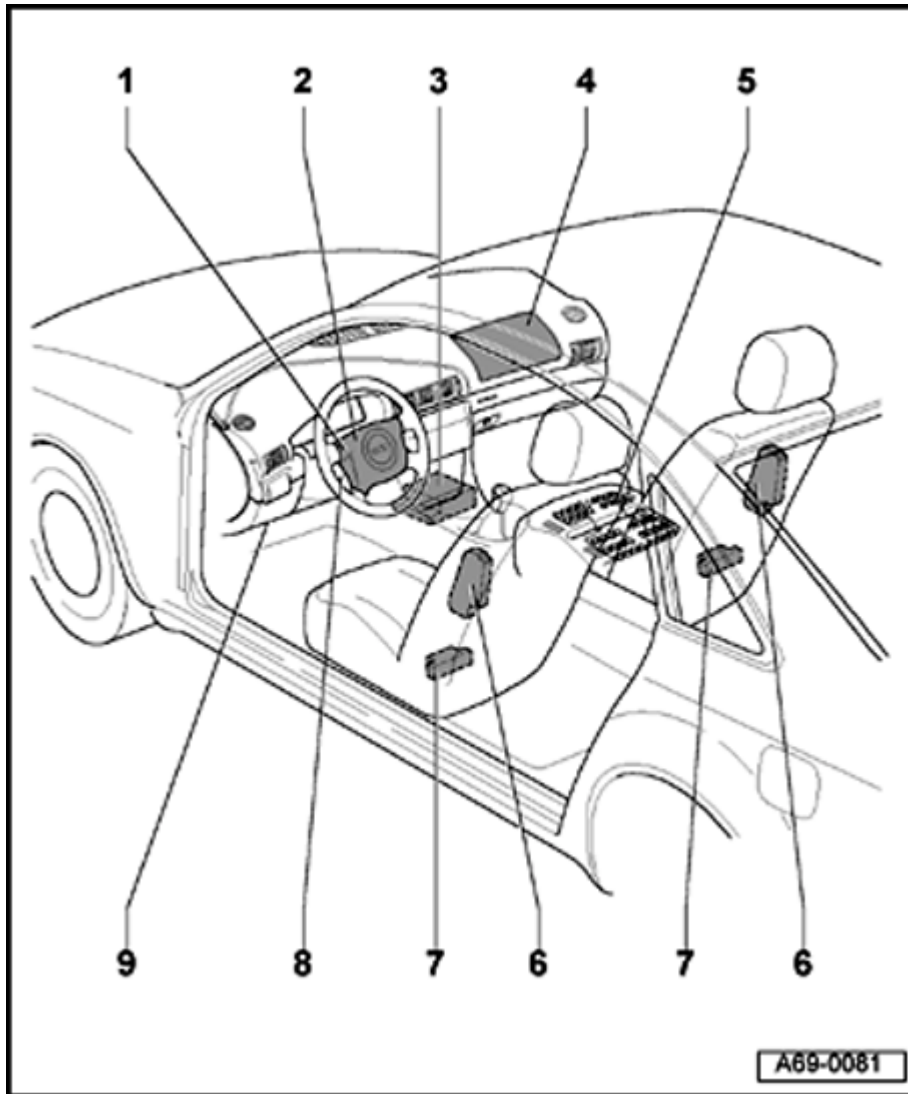
4 - Passenger-side airbag unit

- ◆ Removing ⇒ [page 69-70](#)
- ◆ Locking and activating (adaptation)

⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#)

5 - Seat occupant sensor

- ◆ Removing and installing ⇒ [page 69-83](#)



6 - Side airbag

◆ Removing and installing ⇒ [page 69-75](#)

7 - Crash sensor for side airbag

◆ Removing and installing ⇒ [page 69-85](#)

8 - Spiral spring

◆ Removing and installing ➤ m.y. 1998 ⇒ [page 69-64](#)

◆ Removing and installing from sport steering wheel ➤ m.y. 1998 ⇒ [page 69-67](#)

◆ Removing and installing m.y. 1998 ➤ ⇒ [page 69-68](#)

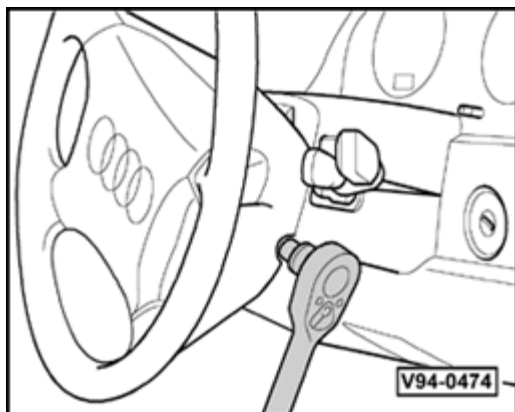
9 - Data Link Connector (DLC)

Driver-side airbag unit (➤ m.y. 1998), removing and installing

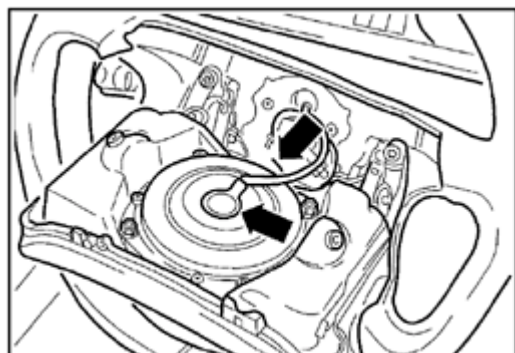
- Disconnect battery Ground (GND) strap.

Note:

Always follow airbag safety precautions when working on airbag system components (⇒ [page 69-40](#)).



- Using T30 Torx® bit, unbolt airbag unit on both left and right side of steering wheel.
Tightening torque: 6 Nm (53 in. lb)
- Carefully pull back airbag unit.
- Disconnect harness connector from airbag unit.

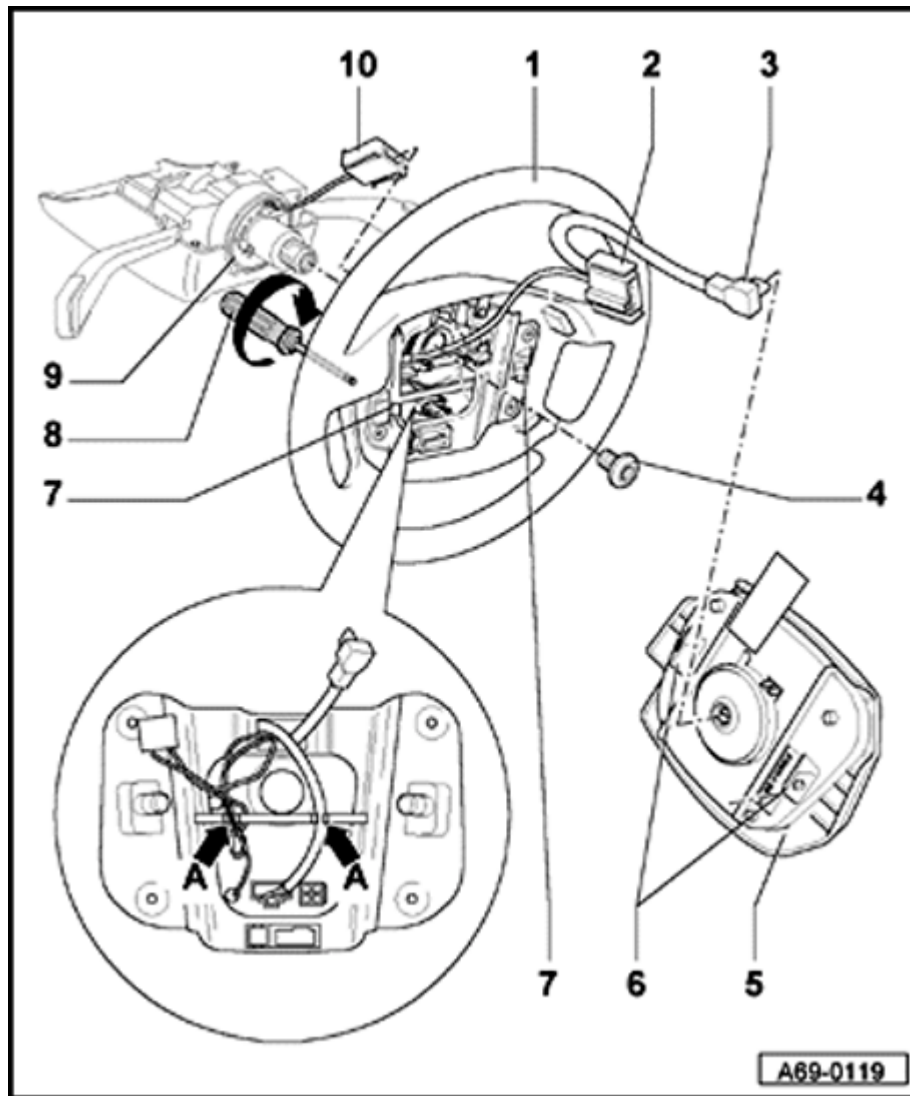


- Place airbag unit on suitable surface with impact padding facing up.
- When installing, make sure harness connector audibly engages (clicks).

WARNING!

No one may be in vehicle when connecting battery Ground (GND) strap.

- Switch ignition on and connect battery Ground (GND) strap.



Driver-side airbag unit (m.y. 1998 ➤), removing and installing

WARNING!

Follow all safety precautions when working on the airbag ⇒ [page 69-40](#) .

1 - Steering wheel

◆ Removing ⇒ [page 69-57](#)

- Secure loose cable at location indicated by arrow -A-.

2 - Harness connector for spiral spring

3 - Harness connector for airbag unit

4 - Multipoint socket

◆ Always replace

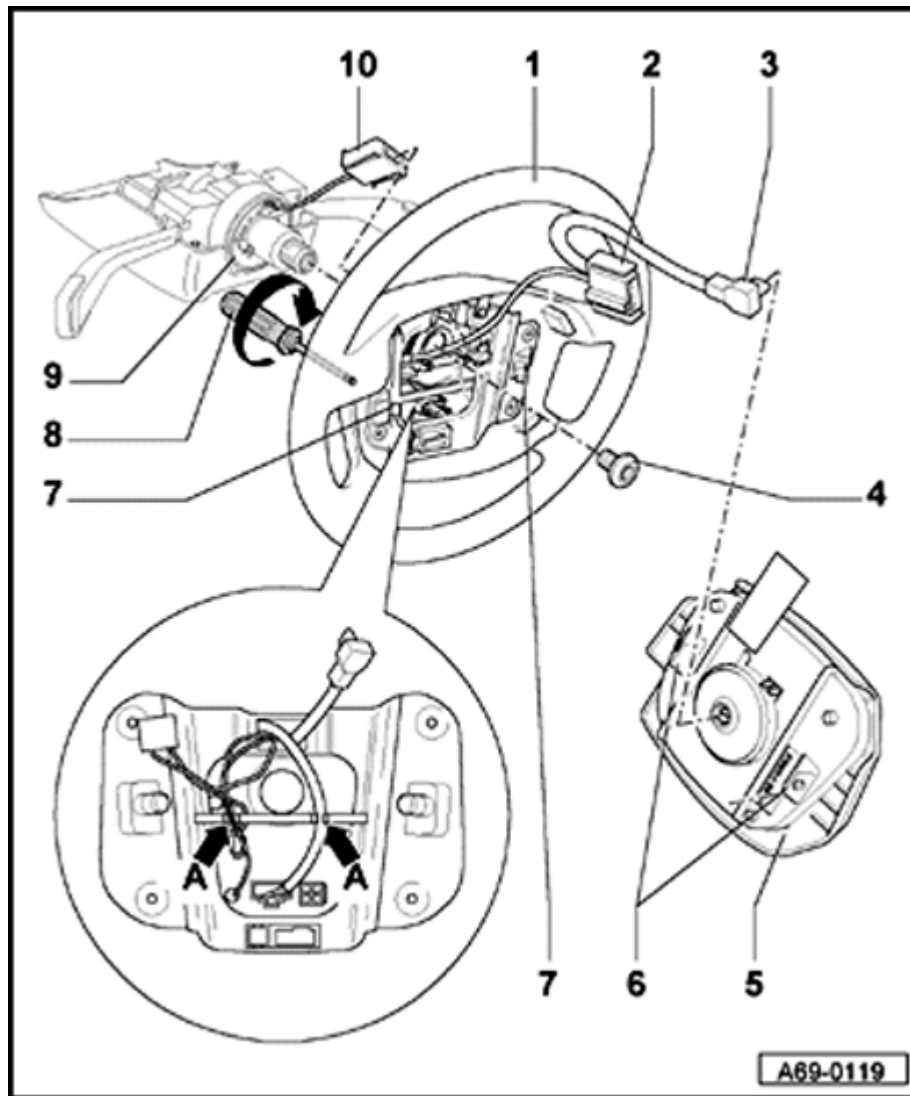
◆ 60 Nm (44 ft lb)

5 - Airbag unit

6 - Threaded bushing

7 - Torx® bolt (T30)

8 - Torx® wrench (T30)



9 - Spiral spring

10 - Harness connector for heated steering wheel

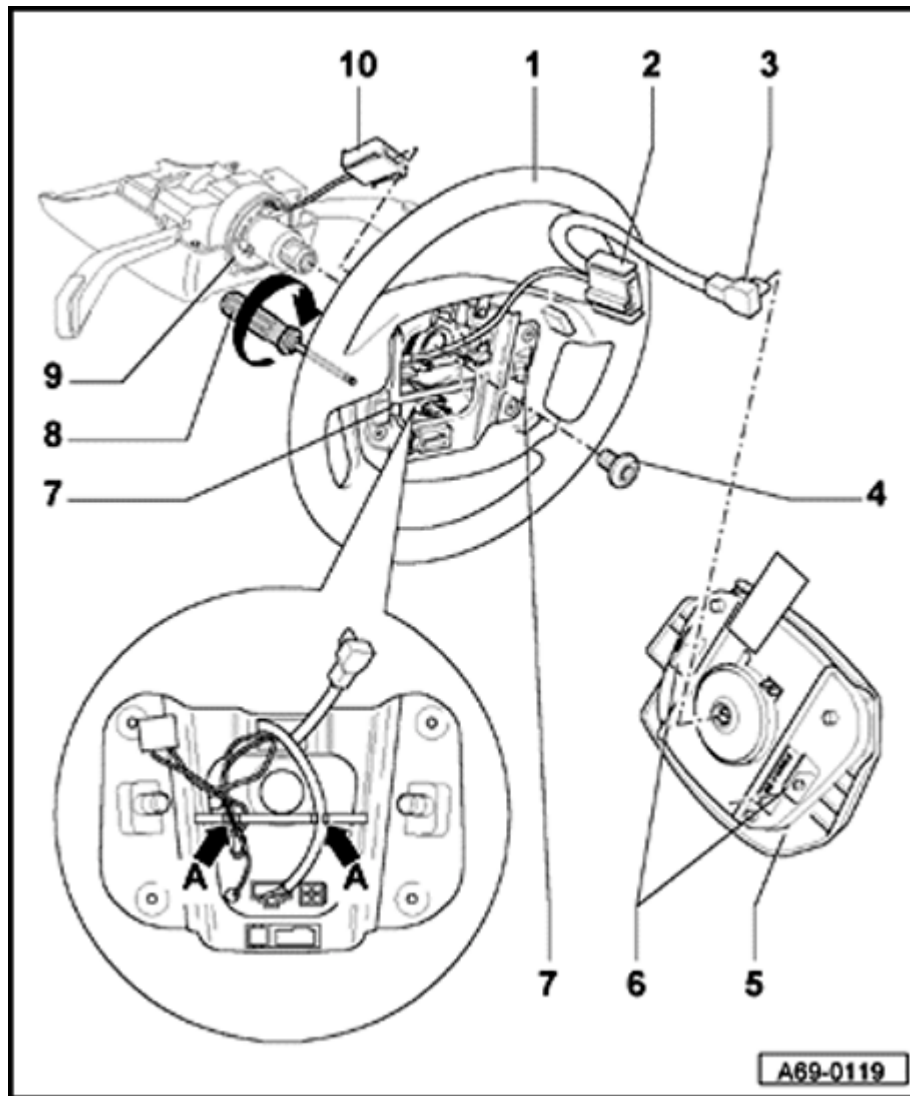
Removing

WARNING!

Follow all safety precautions when working on airbag ⇒ [page 69-40](#) .

- Release steering wheel adjuster.
- Pull steering wheel as far out and up as possible.
- Place steering wheel vertical.
- Remove Torx[®] bolt (T30).
- Turn steering wheel 1/2 turn (180°) back and remove second Torx[®] bolt (T30).
- Pull connector - 3 - from airbag unit.
- Place airbag unit on appropriate surface with impact padding facing up.

69-56



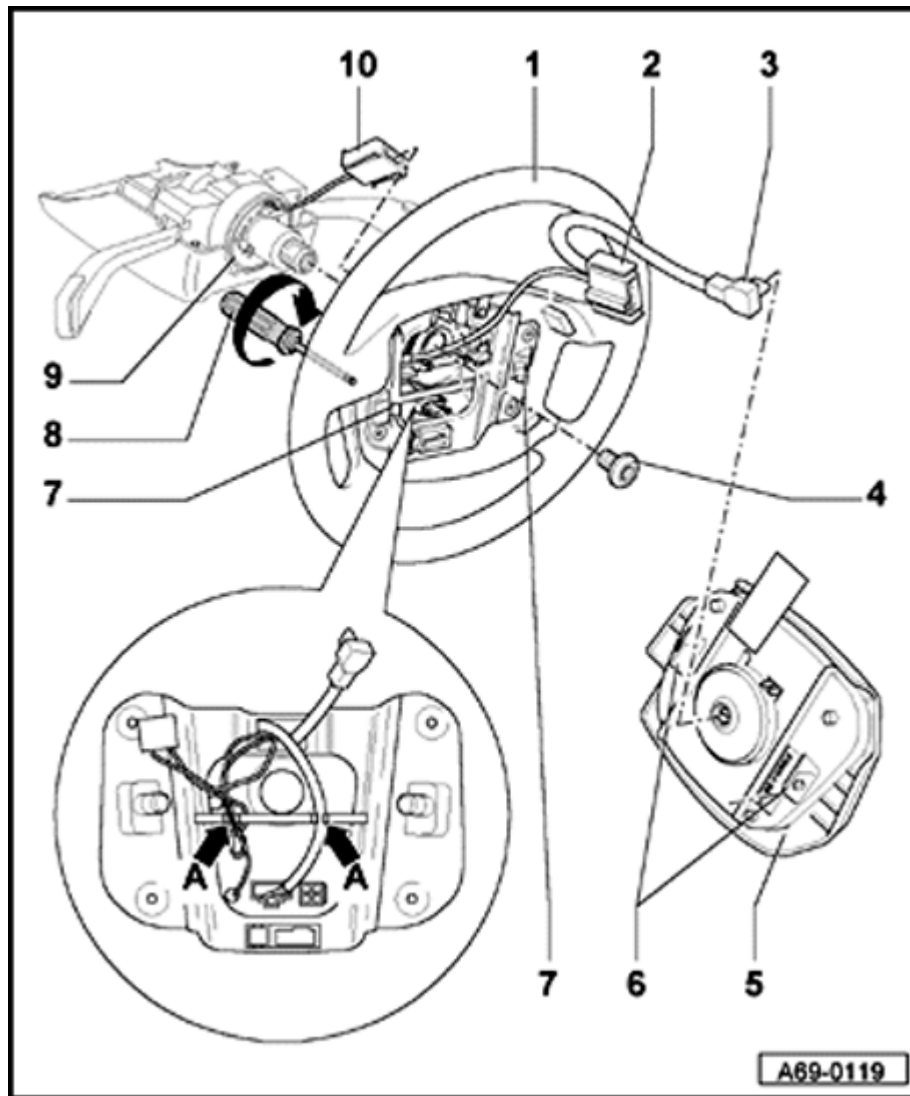
Installing

- When installing, make sure connector audibly engages (clicks).

WARNING!

Make sure no one is in vehicle.

- Switch ignition on and connect battery Ground (GND) strap.



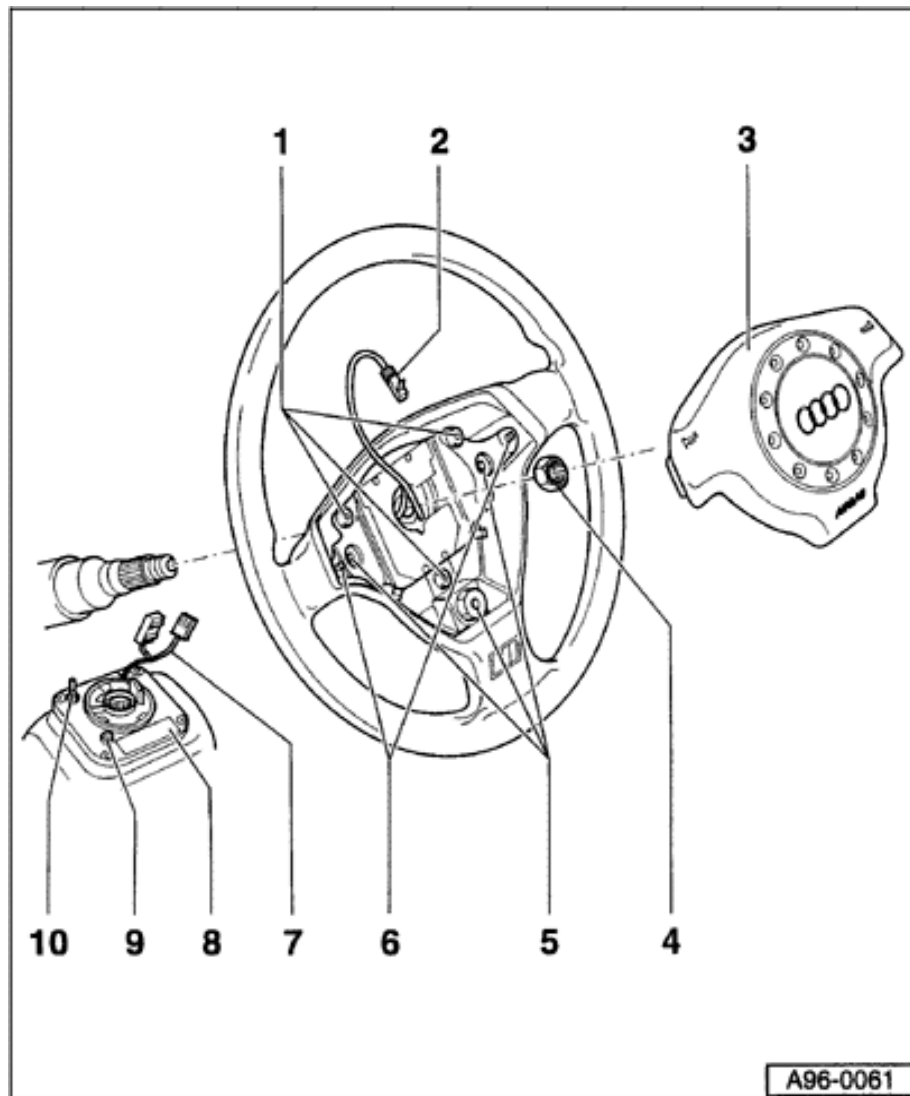
Steering wheel, removing and installing

Removing

- Remove airbag unit ⇒ [page 69-54](#) .
- Center steering wheel (wheels are straight).
- Remove bolt - 4 -.
- Disconnect harness connectors - 2 - and - 10 -.

Installing

- Center steering wheel (wheels straight).
- When installing, make sure harness connectors audibly engage (click).
- Replace bolt - 4 - and tighten to 60 Nm (44 ft lb).
- Install airbag unit ⇒ page ⇒ [Page 69-54](#) .

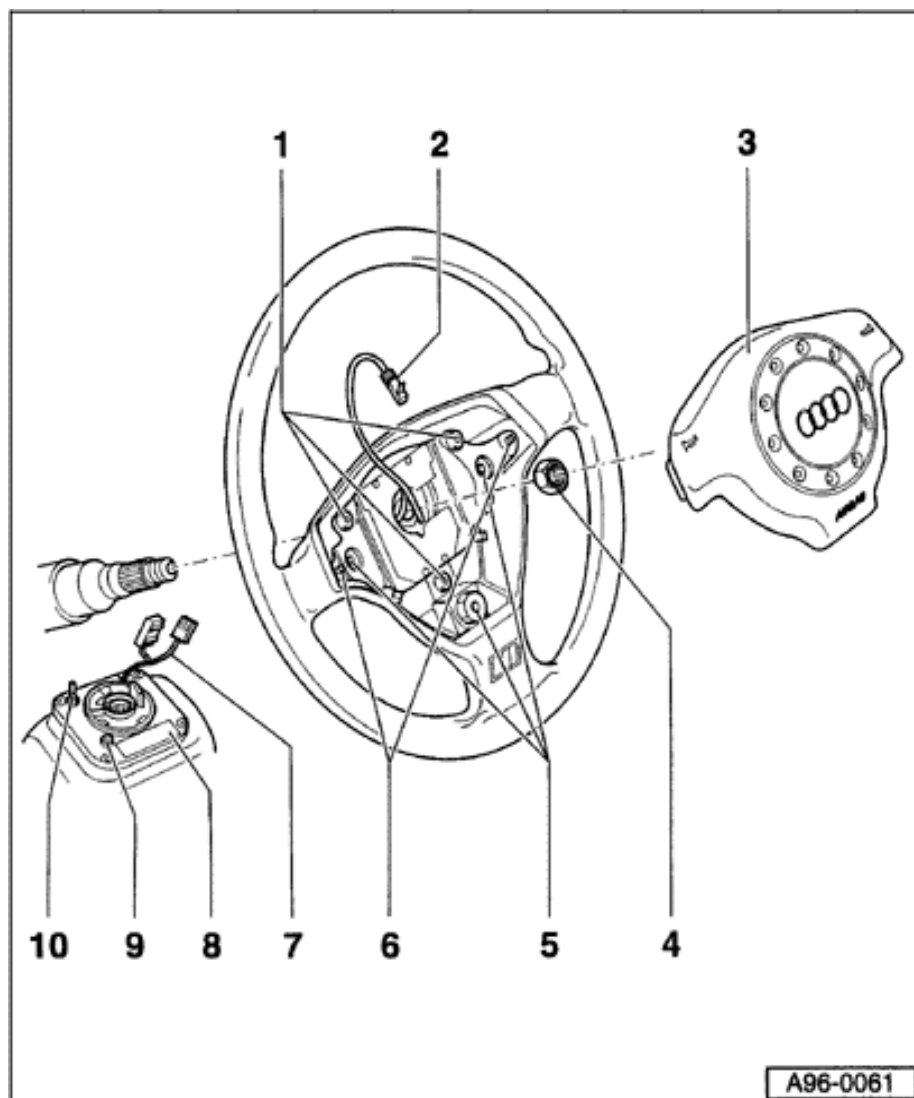


Driver-side airbag for sport steering wheel (➤ m.y. 1998), removing and installing

WARNING!

Follow all safety precautions when working on airbags ⇒ [page 69-40](#) .

- 1 - Bolts to secure upper part of carrier unit**
 - ◆ 5 Nm (44 in. lb)
- 2 - Harness connector for airbag unit**
- 3 - Airbag unit**
- 4 - Nut for steering wheel**
 - ◆ 42 Nm (31 ft lb)
- 5 - Bolts to secure lower part of carrier unit.**
 - ◆ 5 Nm (44 in. lb).
- 6 - Torx[®] bolt (T30)**
 - ◆ 6 Nm (53 in. lb)
- 7 - Securing cable for spiral spring**



8 - Spiral spring

9 - Journal

10 - Transportation protection

Removing

- Unbolt airbag unit from behind using Torx[®] wrench (T30).
- Remove airbag unit -3- and disconnect harness connector -2-.
- Place airbag unit on appropriate surface with impact padding facing up.

Installing

Notes:

- ◆ Make sure harness connector -2- audibly engages (clicks).
- ◆ When installing airbag unit, first tighten right Torx[®] bolt.

WARNING!

Make sure no one is in vehicle.

- Switch ignition on and connect battery Ground (GND) strap.

Airbag sport steering wheel, retrofitting

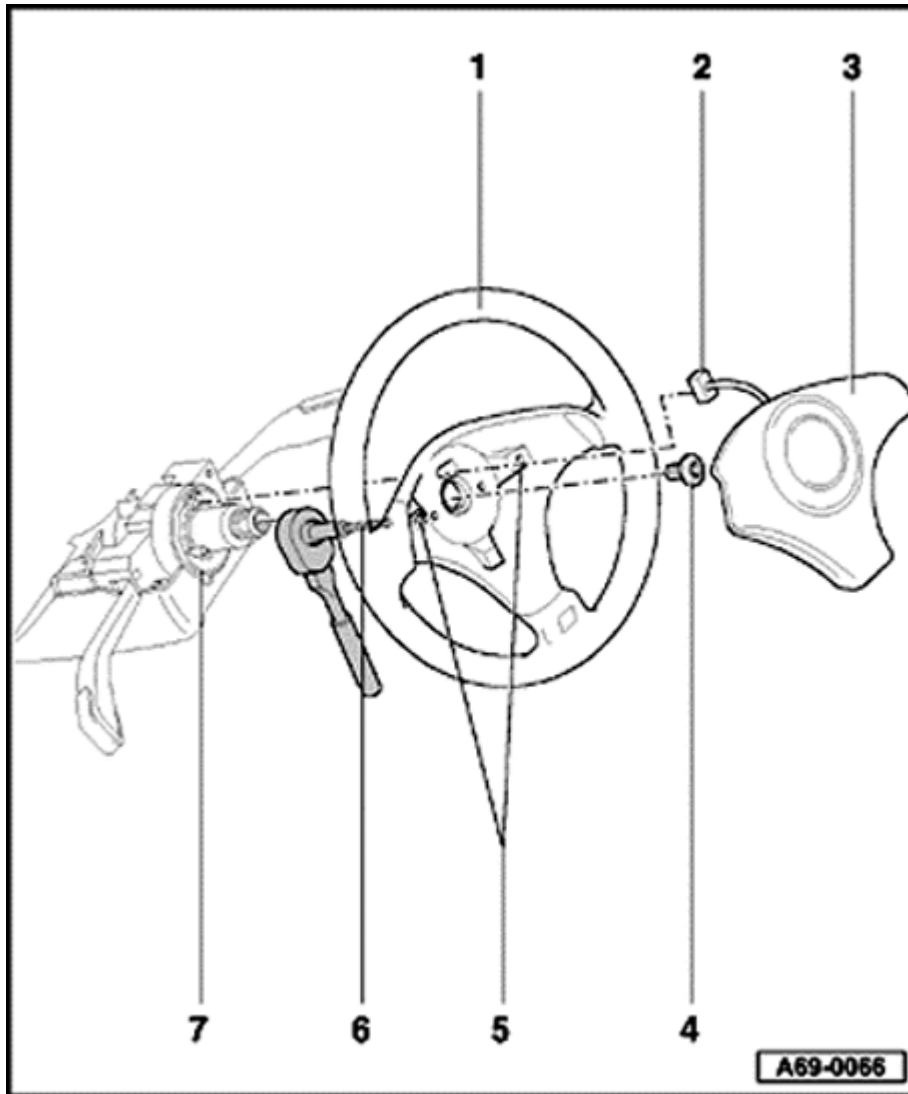
For vehicles m.y. 1995 ➤ that were equipped with an airbag as standard equipment, an Audi dealer can retrofit the vehicle with an airbag sport steering wheel.

The following components are required: airbag sport steering wheel, airbag unit and applicable label for the vehicle (e.g. S4).

Remove the sticker with the expiration date from the new airbag unit and apply it to the airbag identification plate on the lower driver-side B-pillar.

If the vehicle does not have a label, note airbag replacement in the maintenance plan.

69-61



Driver-side airbag for sport steering wheel (m.y. 1998 >), removing and installing

WARNING!

Follow all safety precautions when working on airbags ⇒ [page 69-40](#) .

1 - Sport steering wheel

- ◆ Removing ⇒ [page 69-63](#)

2 - Harness connector for spiral spring

3 - Airbag unit

4 - Multipoint socket

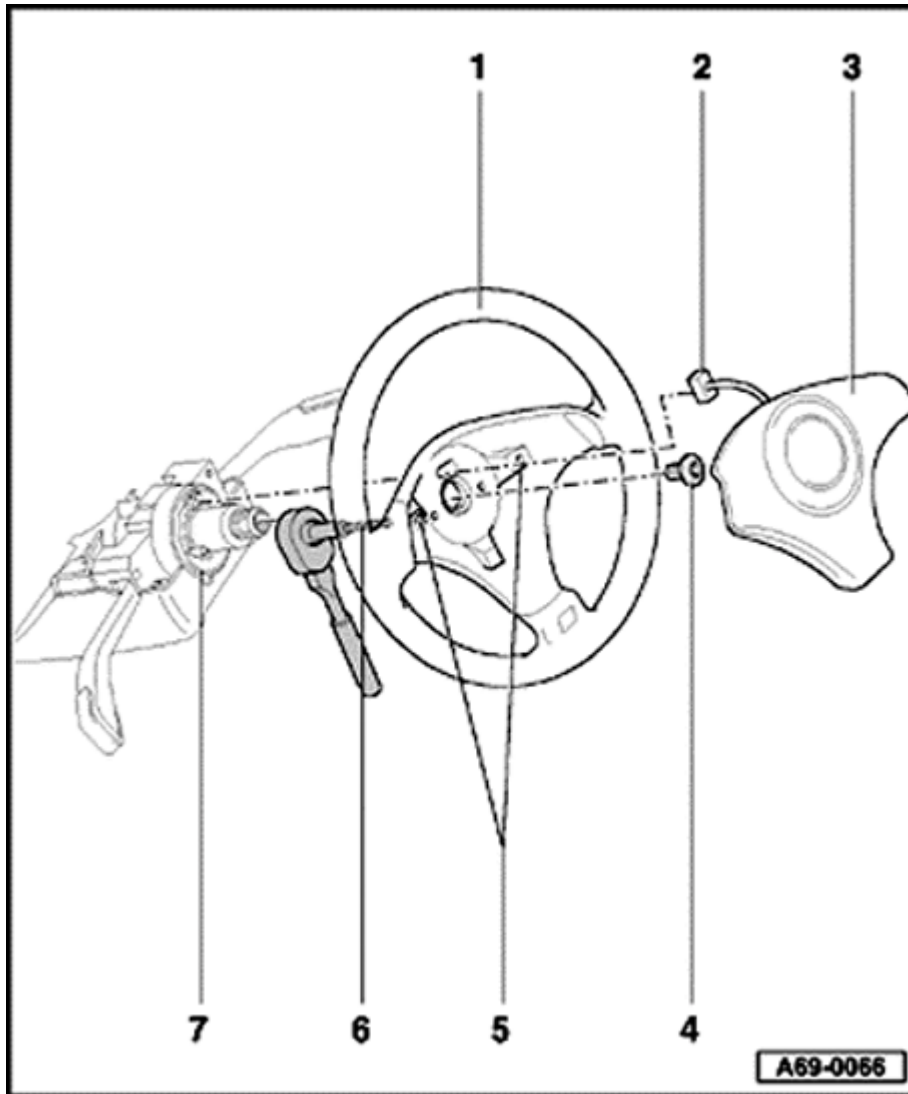
- ◆ Always replace
- ◆ 60 Nm (44 ft lb)

5 - Torx® bolt (T30)

- ◆ 7 Nm (62 in. lb)

6 - Torx® wrench (T30)

7 - Spiral spring



Removing

WARNING!

Follow all safety precautions when working on airbags ⇒ [page 69-40](#) .

- Unbolt airbag unit using Torx® wrench (T30).
- Disconnect harness connector - 2 -.
- Place airbag unit on appropriate surface with impact padding facing up.

Installing

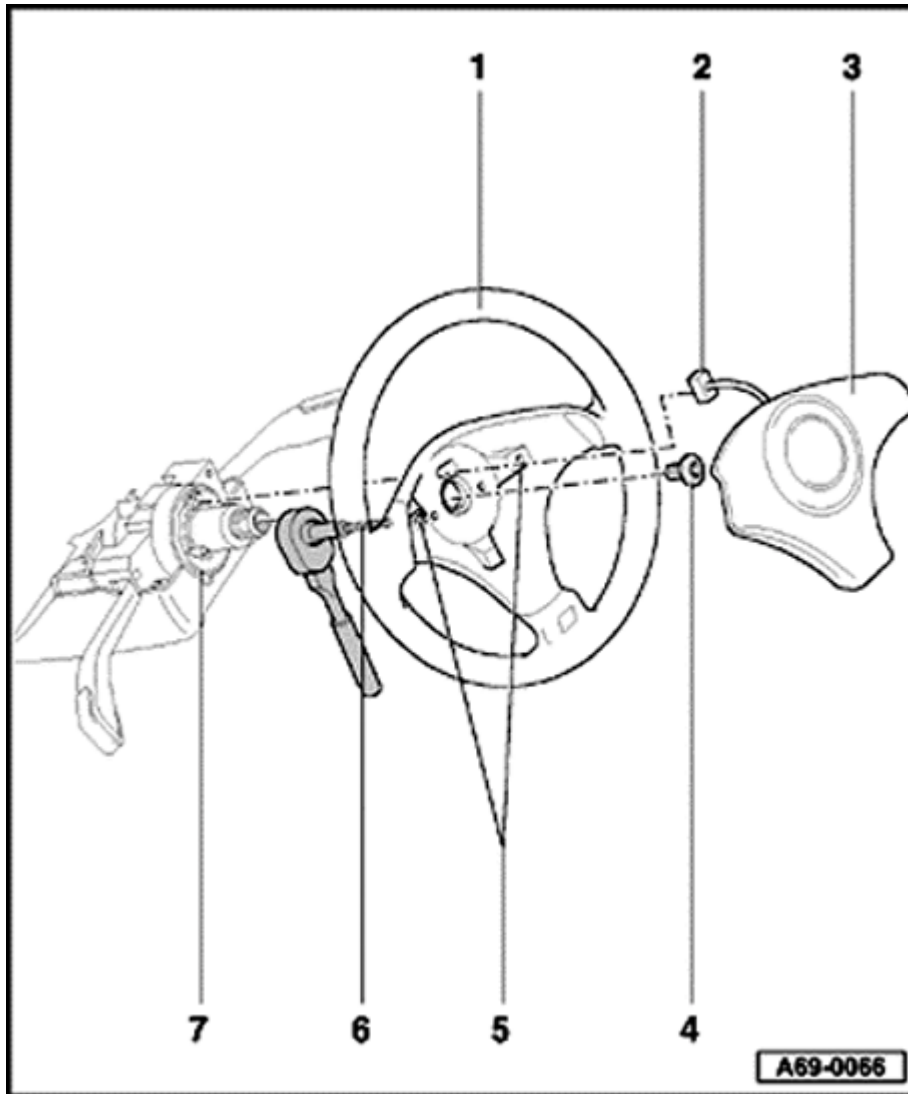
- Make sure harness connector - 2 - audibly engages (clicks).
- Install airbag unit and tighten to 7 Nm (62 in. lb).

WARNING!

Make sure no one is in vehicle.

- Switch ignition on and connect battery Ground (GND) strap.

69-63



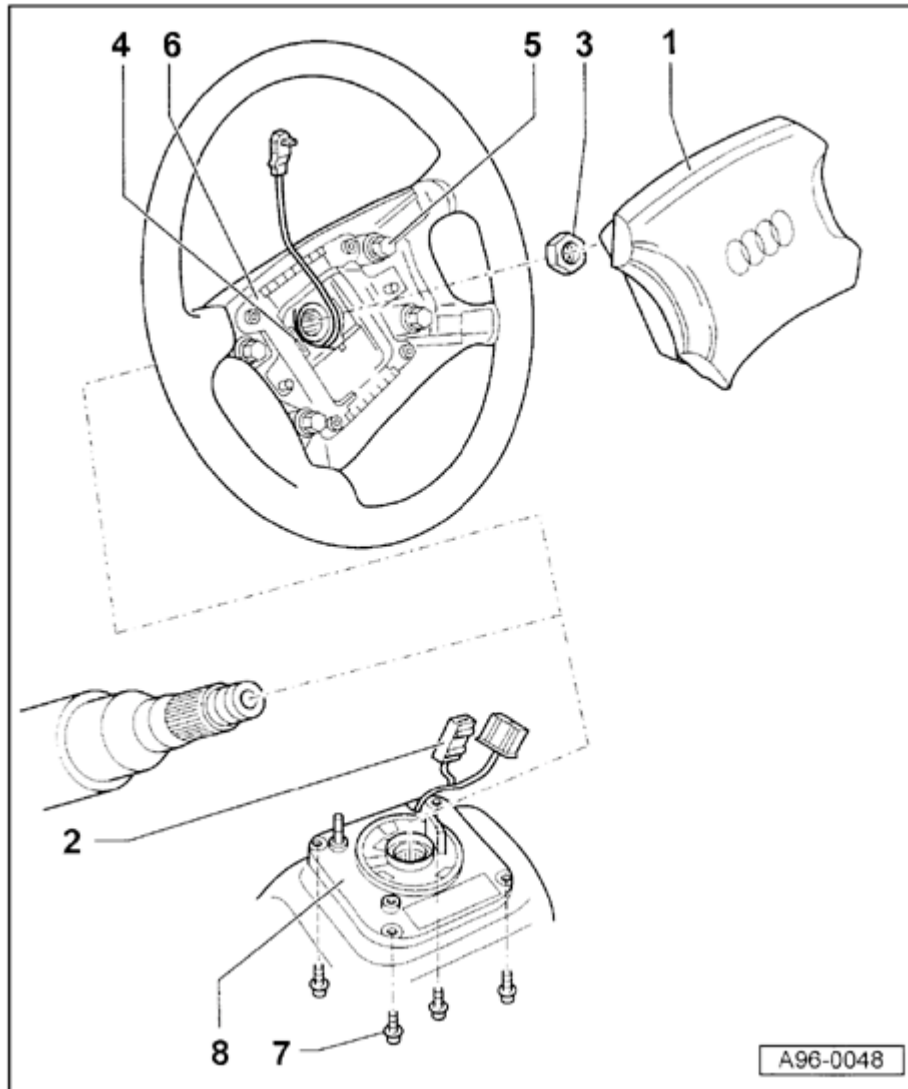
Sport steering wheel, removing and installing

Removing

- Remove airbag unit ⇒ page ⇒ [Page 69-61](#) .
- Center steering wheel (wheels straight).
- Remove bolt - 4 - .

Installing

- Center steering wheel (wheels straight).
- Replace bolt - 4 - and tighten to 60 Nm (44 ft lb).
- Install airbag unit ⇒ page ⇒ [Page 69-61](#) .



Spiral spring (➤ m.y. 1998), removing and installing

WARNING!

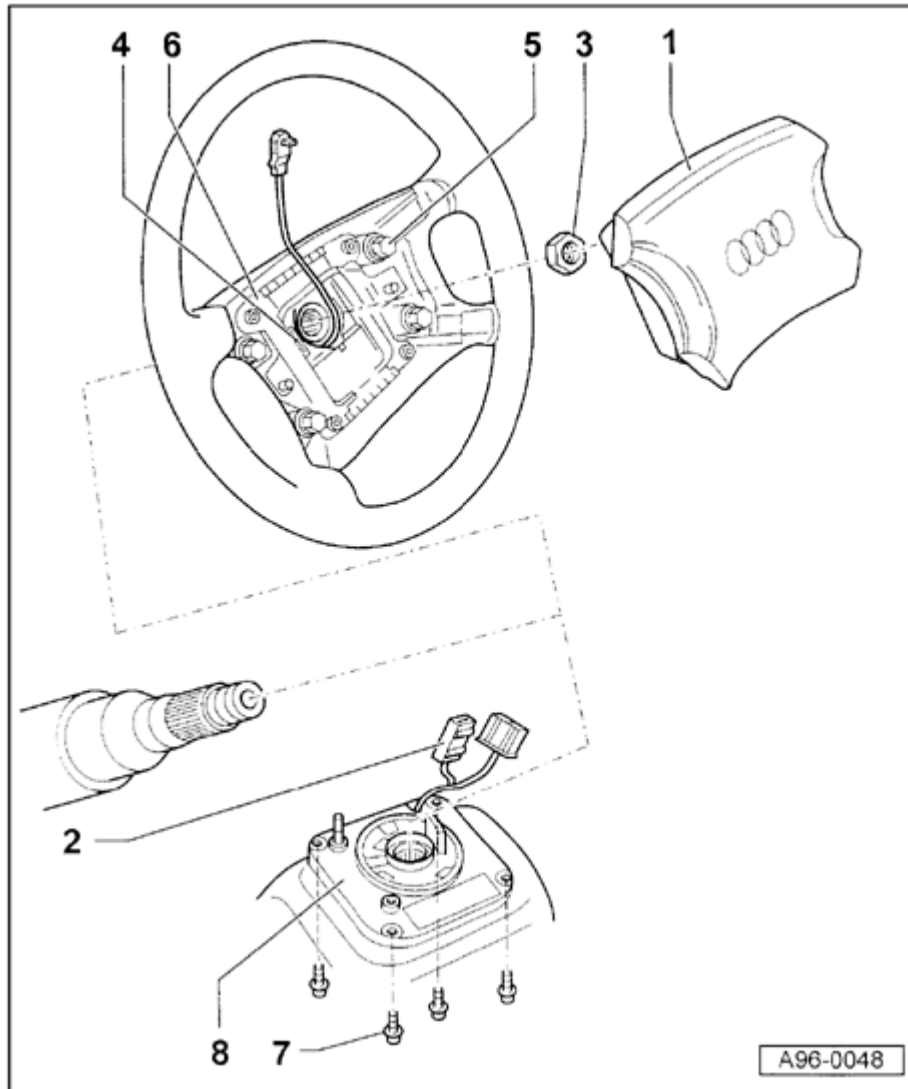
Follow all safety precautions when working on airbags ⇒ [page 69-40](#) .

- Disconnect battery Ground (GND) strap.
- Wheels must be facing straight ahead.
- Remove airbag unit ⇒ [page 69-53](#) .
- Remove steering wheel.

⇒ [Repair Manual, Suspension, Wheels, Steering, Repair Group 48](#)

- Remove bolts -5- (4x) from carrier unit -6-.

69-65



- Remove bolts -7- (4x) from spiral spring -8-.

WARNING!

Steering wheel and spiral spring can only be removed with the wheel straight-ahead. Do not rotate spiral spring after it is removed.

Notes:

- ◆ Even if spiral spring has been turned, determine center position.
- ◆ From the center position, the spiral spring should rotate approx. 3 1/2 revolutions in both directions.

1 - Airbag unit

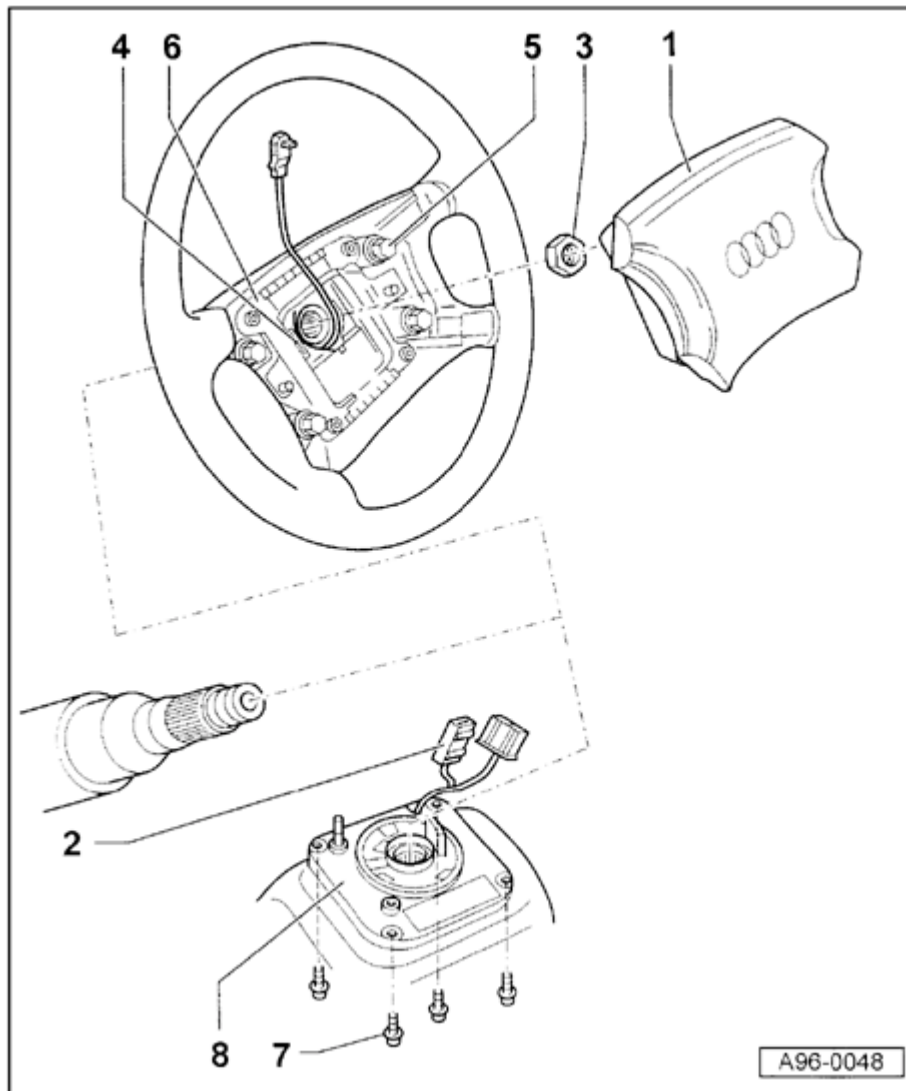
2 - Harness connector for airbag and horn

3 - Mounting bolt for steering wheel

4 - Harness connector for horn

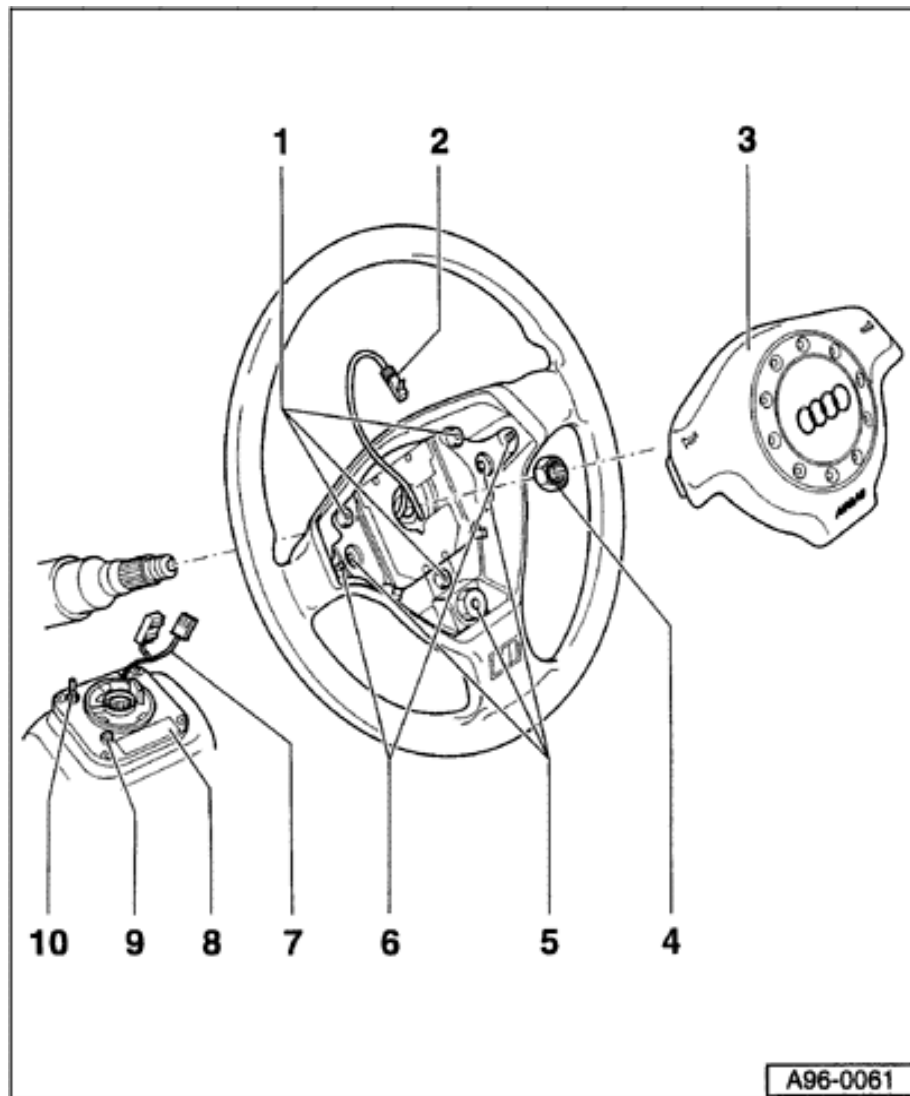
5 - Bolt (4x)

69-66



- 6 - Carrier unit
- 7 - Bolt (4x)
- 8 - Spiral spring

69-67



Sport steering wheel spiral spring (➤ m.y. 1998), removing and installing

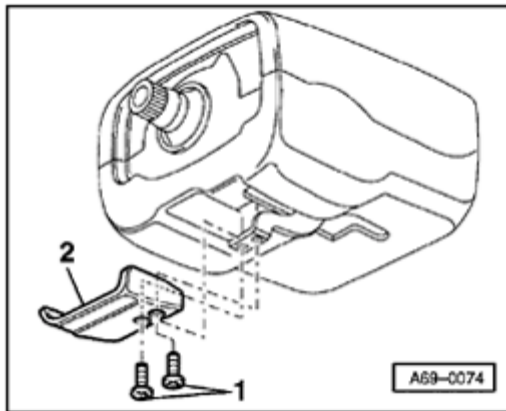
Notes:

- ◆ *Wheels must be facing straight ahead.*
- ◆ *Before removing spiral spring, remove airbag unit and steering wheel.*
- Remove bolts -1- (3x).
- Tightening torque: 5 Nm (44 in. lb)
- Remove carrier unit. Disconnect harness connectors.
- Remove bolts -5- (3x).
- Tightening torque: 5 Nm (44 in. lb)
- Remove lower part of carrier unit. Disconnect harness connectors.
- Remove bolts securing spiral spring.
- Pull spiral spring downward and remove. Do not rotate spiral spring while it is removed.

Spiral spring, removing and installing

- Driver-side airbag unit and steering wheel removed

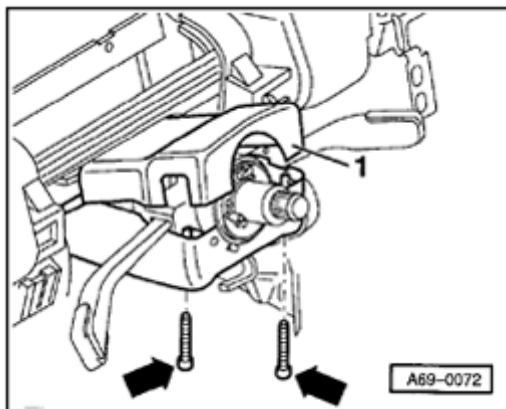
- Pull steering column all the way out and down.



- Remove bolt -1- (2x).

Tightening torque: 2.8 Nm (25 in. lb)

- Remove handle -2-.



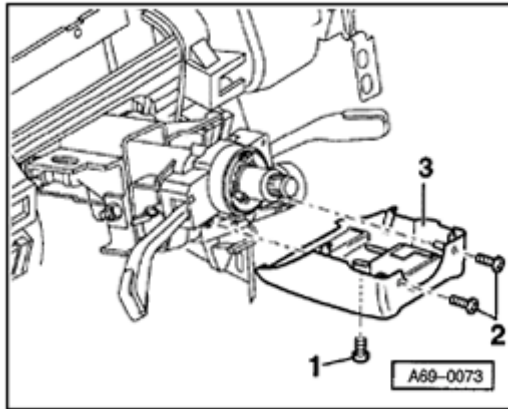
- Remove two Phillips-head screws (arrows).

Tightening torque: 0.6 Nm (5 in. lb)

- Remove upper section of steering column switch -1-.

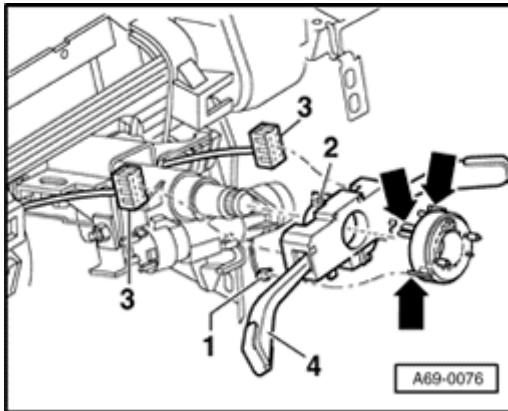
To install, insert upper shell into retaining tab in lower shell, swing down and install screws.

69-69



A

- Remove bolts -2- (2x).
Tightening torque: 0.6 Nm (5 in. lb)
- Remove hex bolt -1-.
Tightening torque: 0.6 Nm (5 in. lb)
- Remove lower trim for steering wheel switch -3-.

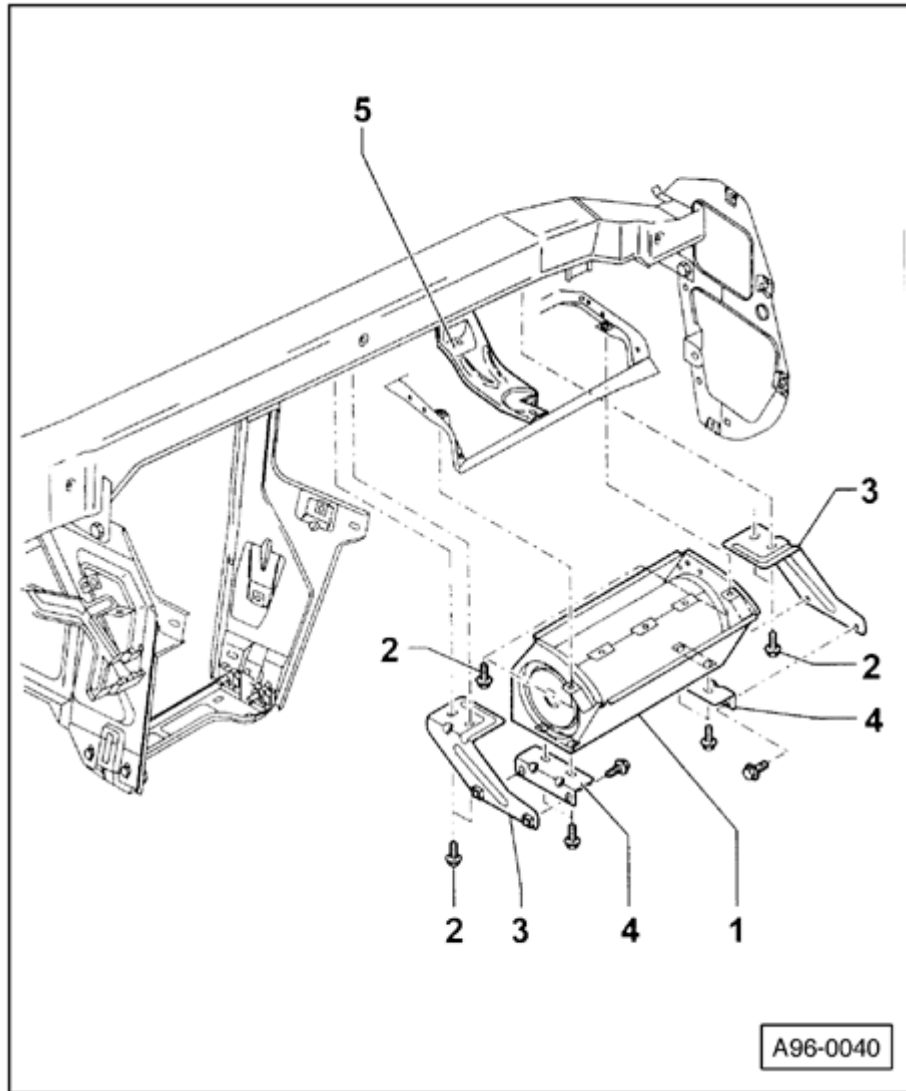


A

- Disconnect harness connector -1-.
- Release retaining tab (arrows) and pull spiral spring from steering wheel switch.

Notes:

- ◆ *Wheels must be in straight-ahead position when removing or installing spiral spring.*
- ◆ *A new spiral spring is secured in the centered position using a tie wrap.*



Passenger-side airbag unit, removing and installing

1 - Passenger-side airbag unit

WARNING!

Follow all safety precautions when working on airbags ⇒ [page 69-40](#) .

Removing:

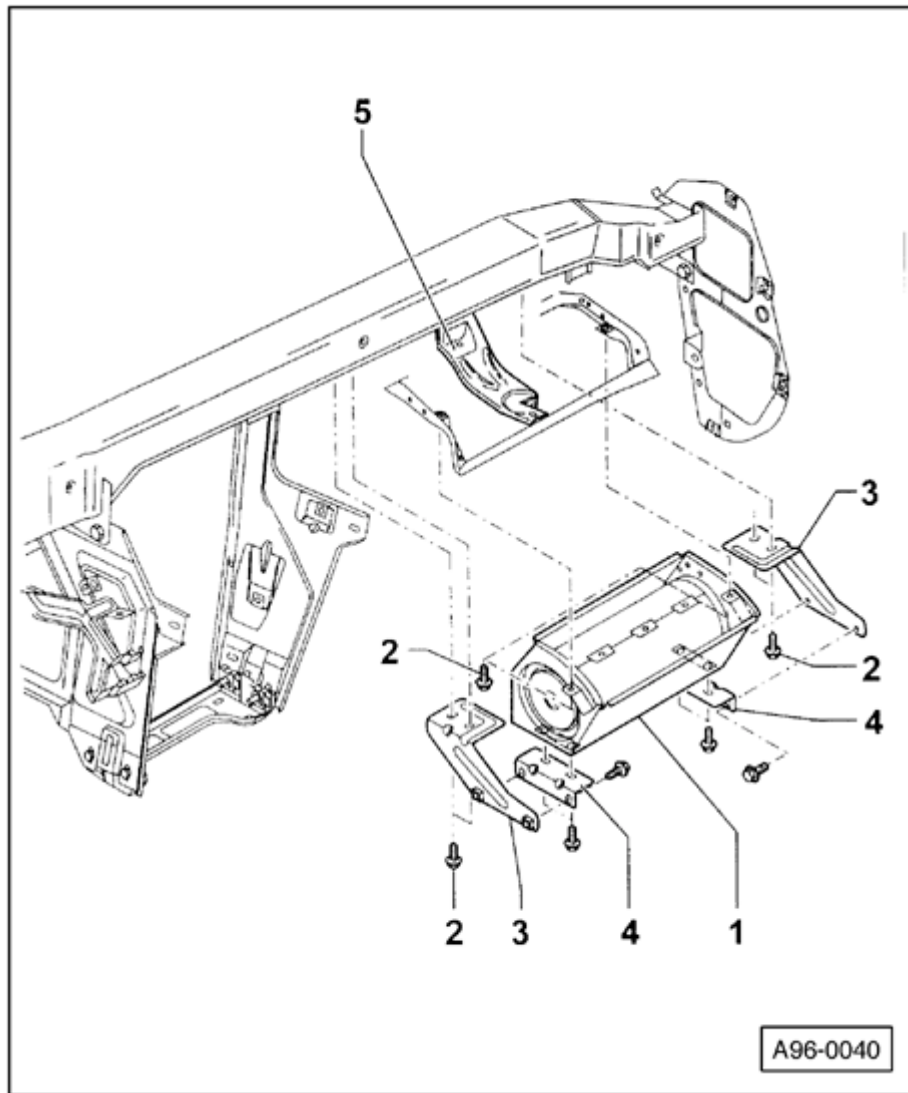
- Disconnect battery Ground (GND) strap.
- ◆ Remove passenger-side knee bolster ⇒ [page 68-1](#) .
- Disconnect harness connector (tunnel connection to rear and left of airbag unit) ⇒ [Fig. 1](#) .

WARNING!

Do NOT disconnect red 2-pin harness connector on side airbag unit under any circumstances.

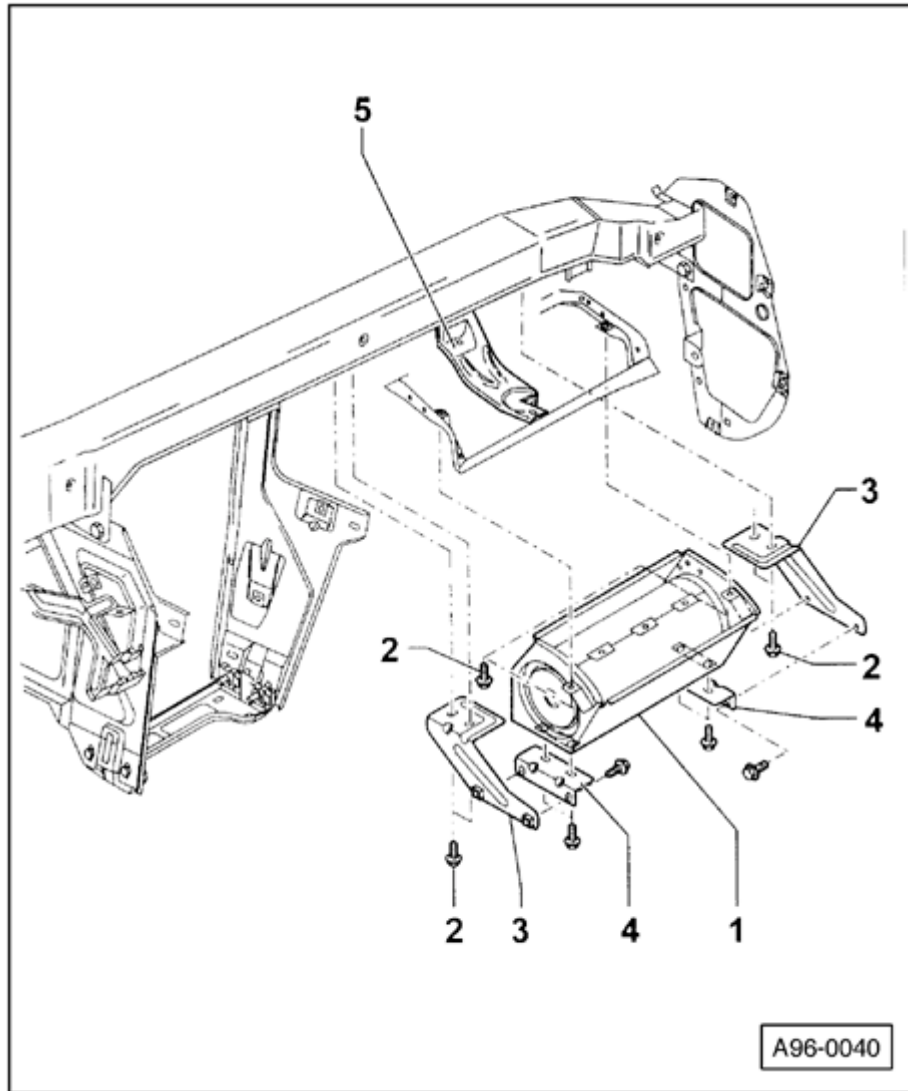
- First, disconnect both angle brackets -4-.
- Remove both angle brackets -3-.

69-71



- Remove bolts -2- at passenger-side airbag.
- Remove airbag unit.

69-72



- Place airbag unit on suitable surface with impact padding facing up.

Note:

Always replace instrument panel after passenger-side airbag has deployed.

Installing:

- Install airbag unit.
- Make sure harness connector -6- audibly engages (clicks).
- Switch ignition on.

WARNING!

Make sure no one is in vehicle.

- Connect battery Ground (GND) strap.

2 - Bolts (2x)

- ◆ Always replace after airbag has deployed
- ◆ 12 Nm (9 ft lb)

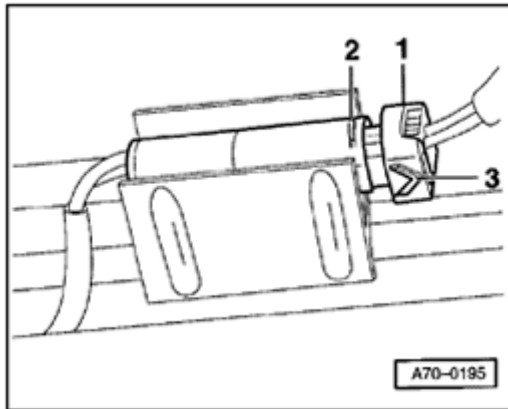
3 - Support

- ◆ Always replace after airbag has deployed

4 - Angle bracket

5 - Bracket

69-73



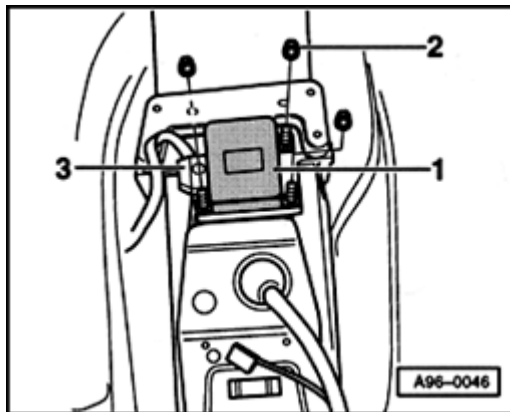
A

Fig. 1 Disconnecting airbag harness connector

- Using screwdriver, push harness connector -1- for passenger-side airbag over retaining tab -2- and disconnect harness connector in direction of arrow -3-.

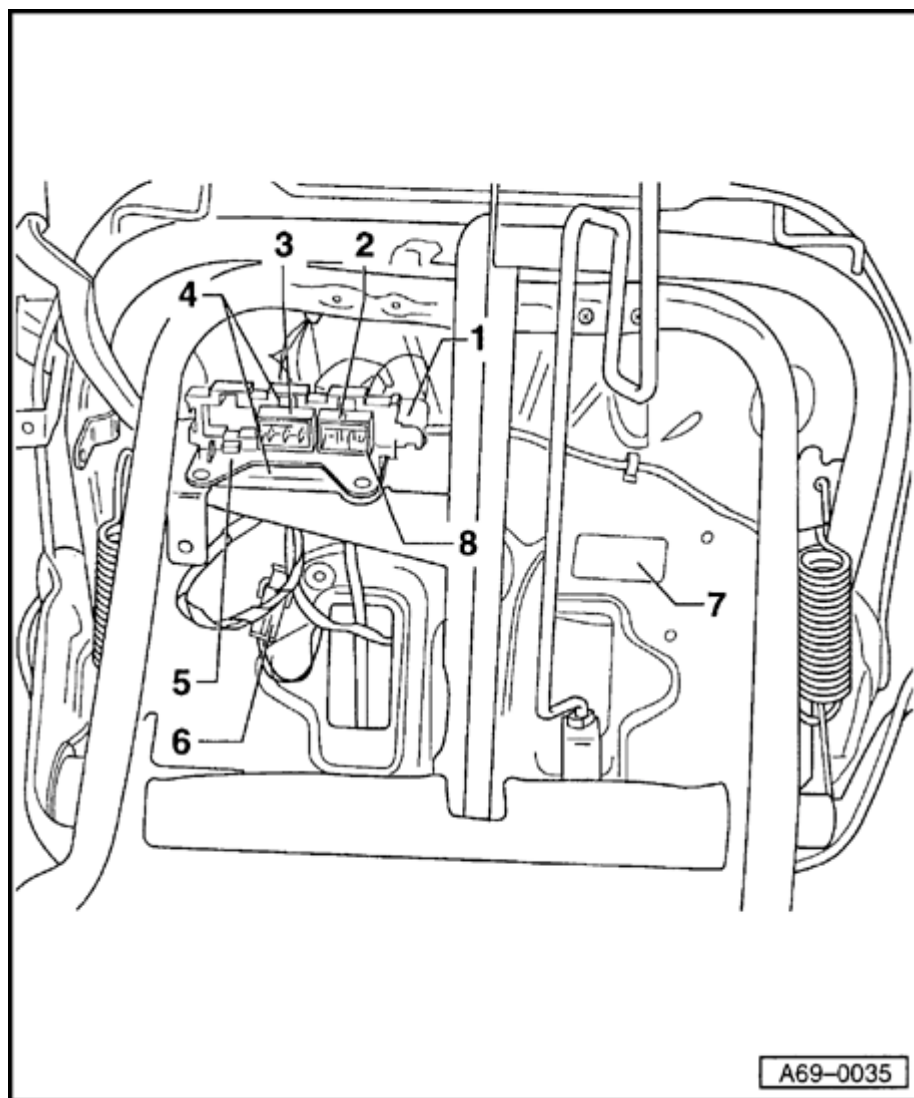
Airbag control module -J234-, removing and installing

- Disconnect battery Ground (GND) strap.
- Remove front center console ⇒ [page 68-30](#) .
- Disconnect securing bracket at harness connector -3-.
- Disconnect harness connector -3- from control module -1-.
- Remove nuts -2- (3x).
Tightening torque: 6 Nm (53 in. lb)
- Remove airbag control module -J234-.



Note:

If the airbag control module is replaced, the new control module must be coded.



Side airbag, removing and installing

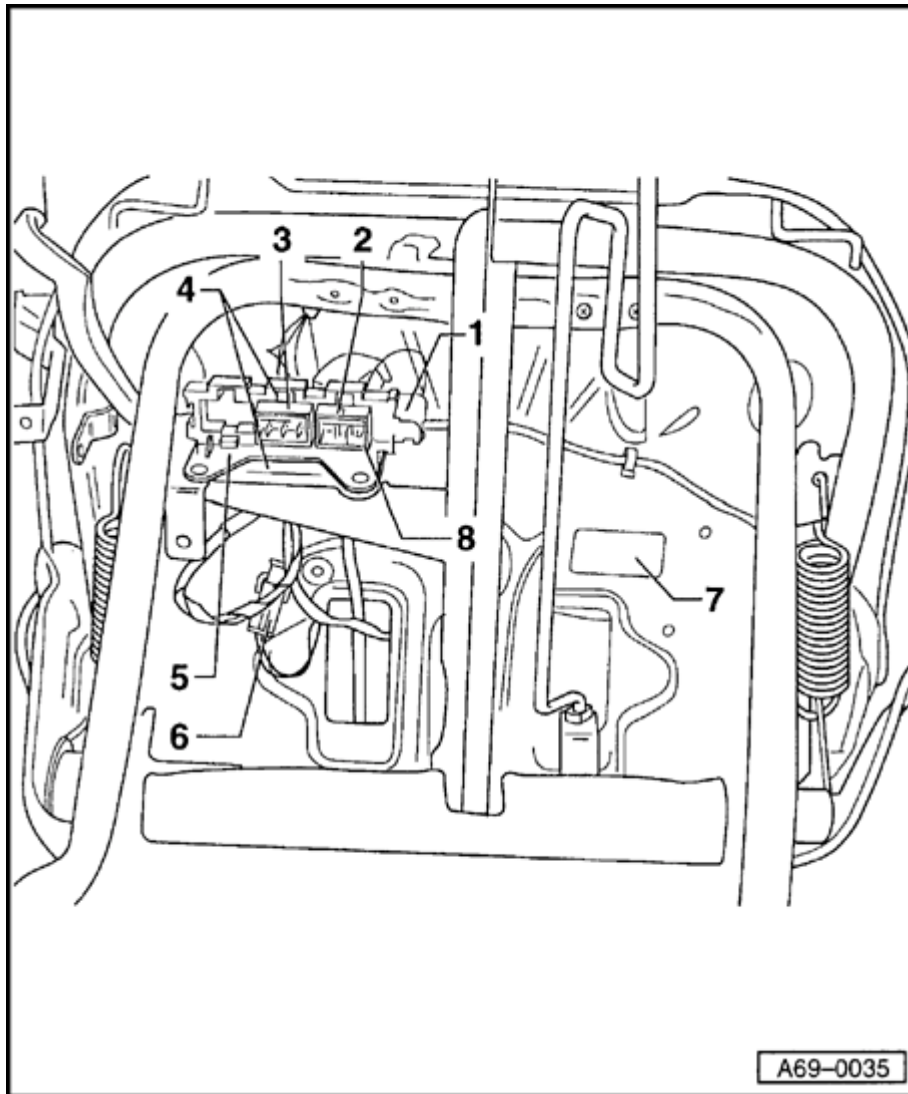
WARNING!

- ♦ **Follow all safety precautions when working on airbags** ⇒ [page 69-40](#) .
- ♦ **Before starting work on seats, connect VAS5094 airbag adapter** ⇒ [page 72-9](#) .

Removing

- Disconnect battery Ground (GND) strap.
- Remove seat ⇒ [page 72-2](#) .
- Remove outer trim pieces and trim on side of seat ⇒ [page 74-16](#) .
- Remove harness connector -2-.
- Disconnect Ground (GND) strap from harness connector -2-, chamber 4.
- Disconnect harness connector for side airbag -1- from connector strip -5- by pressing on retaining tab.

69-76



- Disconnect intermediate connector for seatback heater -6-.
- Disconnect harness connector for side airbag -1- from outer edge of seat ⇒ [Fig. 1](#)
- Remove side airbag unit ⇒ [page 69-79](#) .

1 - Harness connector for side airbag

2 - Harness connector for sensor mat

3 - Retaining tab

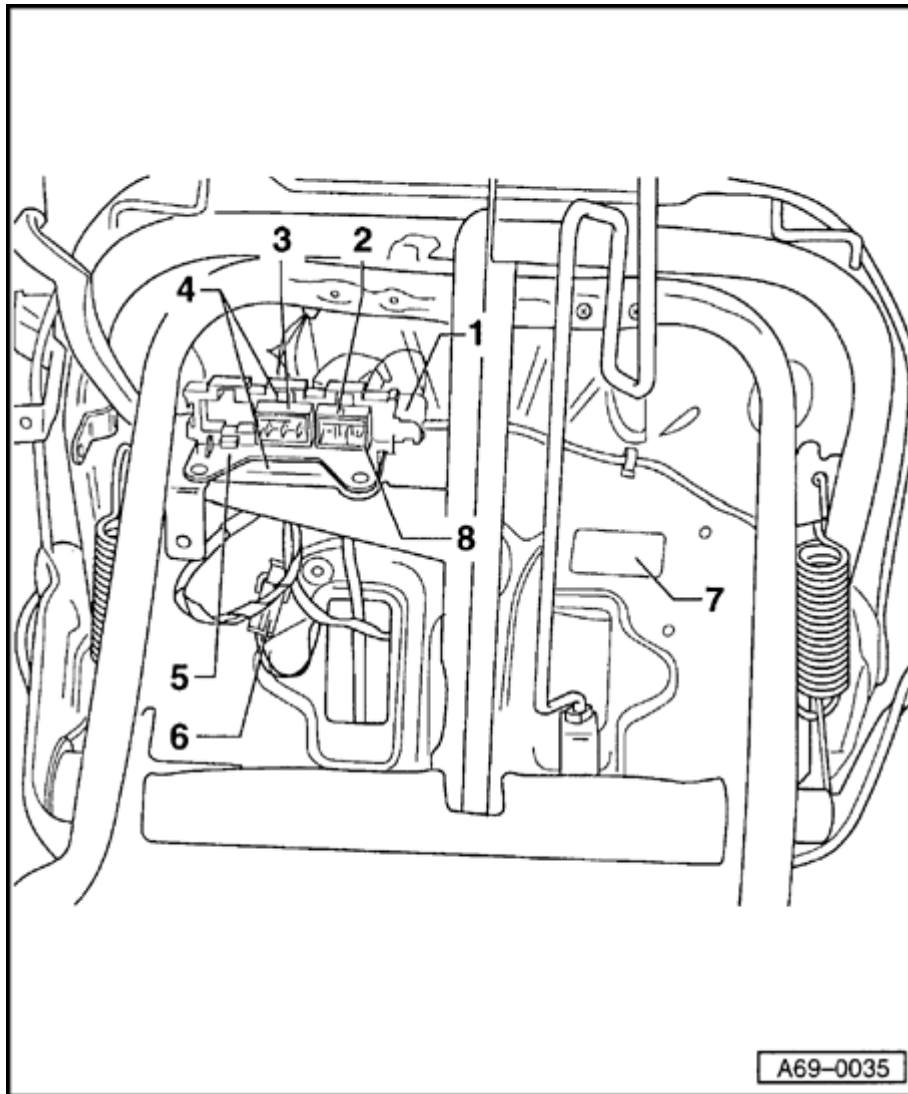
4 - Harness connector for seat heater

5 - Connector strip

6 - Intermediate connector for seatback heater

7 - Airbag number sticker

69-77

**8 - Bar in connector**

Installing:

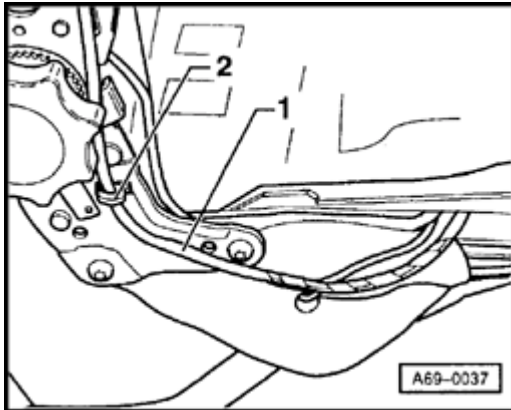
WARNING!

- ♦ *To ensure that the side airbag functions properly, when working on backrest cover, always install new upholstery clips in the same locations they were removed from.*
- ♦ *Only use seat covers approved for use with side airbags.*

- Install harness connector -2- at same location as when removed and ensure that bar -8- points toward tunnel.
- Switch ignition on.
- Close doors.

WARNING!***Make sure no one is in vehicle.***

- Connect battery Ground (GND) strap.



A

Fig. 1 Wiring location on outer edge of seat

- Remove backrest cover ⇒ [page 74-12](#) .
- Unclip clip -2- (1x).

WARNING!

When installing side airbag cable -1-, make sure that it doesn't rub against any moving parts.

Side airbag unit, removing and installing

WARNING!

Before starting work on seats, connect VAS5094 airbag adapter ⇒ [page 72-9](#) .

Removing



- Remove bolts -2- (2x).

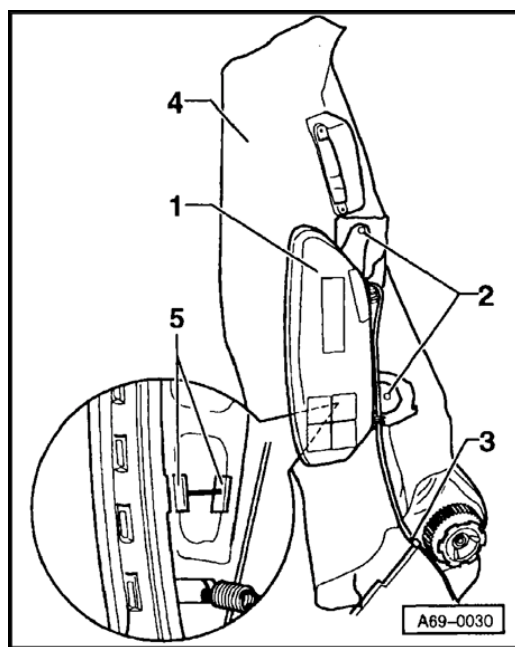
WARNING!

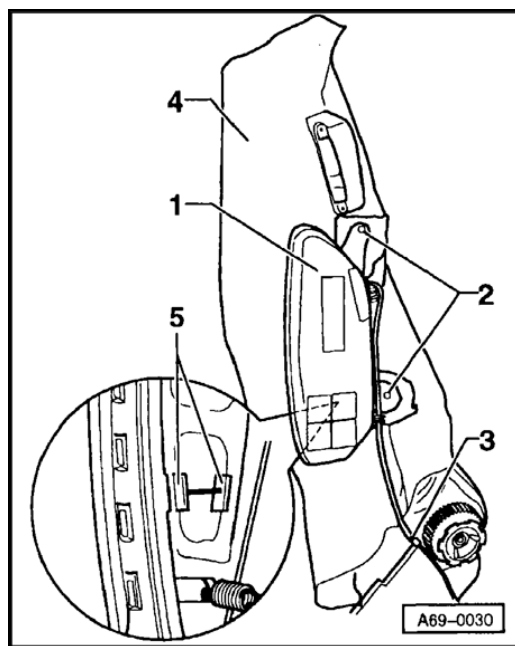
- ♦ **Do NOT reuse bolts -2-. Replace the metal bolts with M5 bolts and nuts supplied.**
- ♦ **Drill mounting holes to 5.5 mm.**
- ♦ **Tightening torque: 5.5 Nm (49 in. lb)**

Note:

Illustration is shown without anti-crush fleece.

- Carefully disconnect side airbag -1- at retaining clip -5-.
- Remove side airbag -1-.
- Place airbag unit on appropriate surface with impact padding facing up.



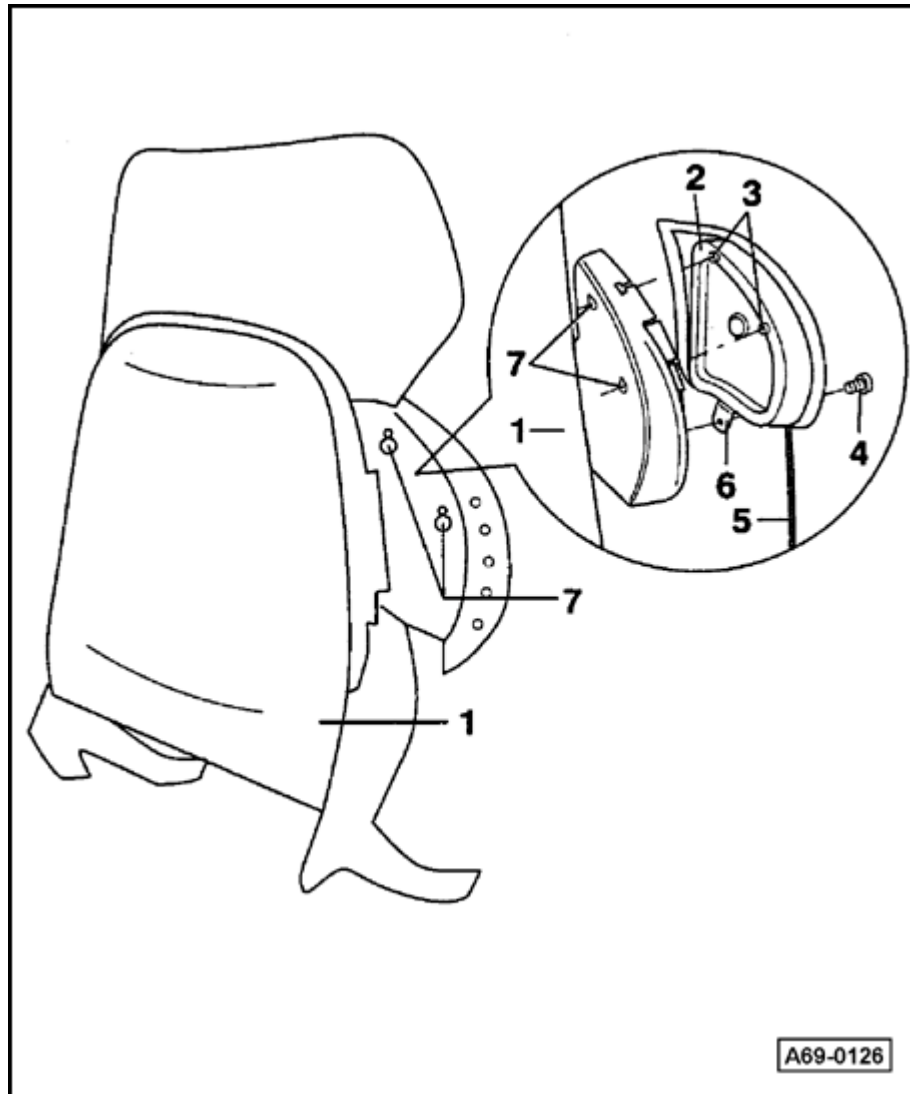


Installing

Note:

Do not cut anti-crush fleece -4- in area near retaining clip -5-.

- Remove anti-crush fleece -4- before drilling.
- Drill out mounting holes to 5.5 mm.
- Pull anti-crush fleece -4- over seat backrest frame.
- Clip side airbag -1- with anti-crush fleece into place.
- Install bolts -2-, pull up anti-crush fleece -4-, install nuts and tighten to 5.5 Nm (49 ft lb).
- Remove expiration date sticker from airbag unit and place over old sticker on driver's door.
- If vehicle does not have label, note airbag replacement in maintenance plan.
- Remove airbag number sticker from airbag unit and place over old sticker on seat pan ⇒ [page 69-75](#) , item -7-.



Side airbag for Recaro seat, removing and installing

WARNING!

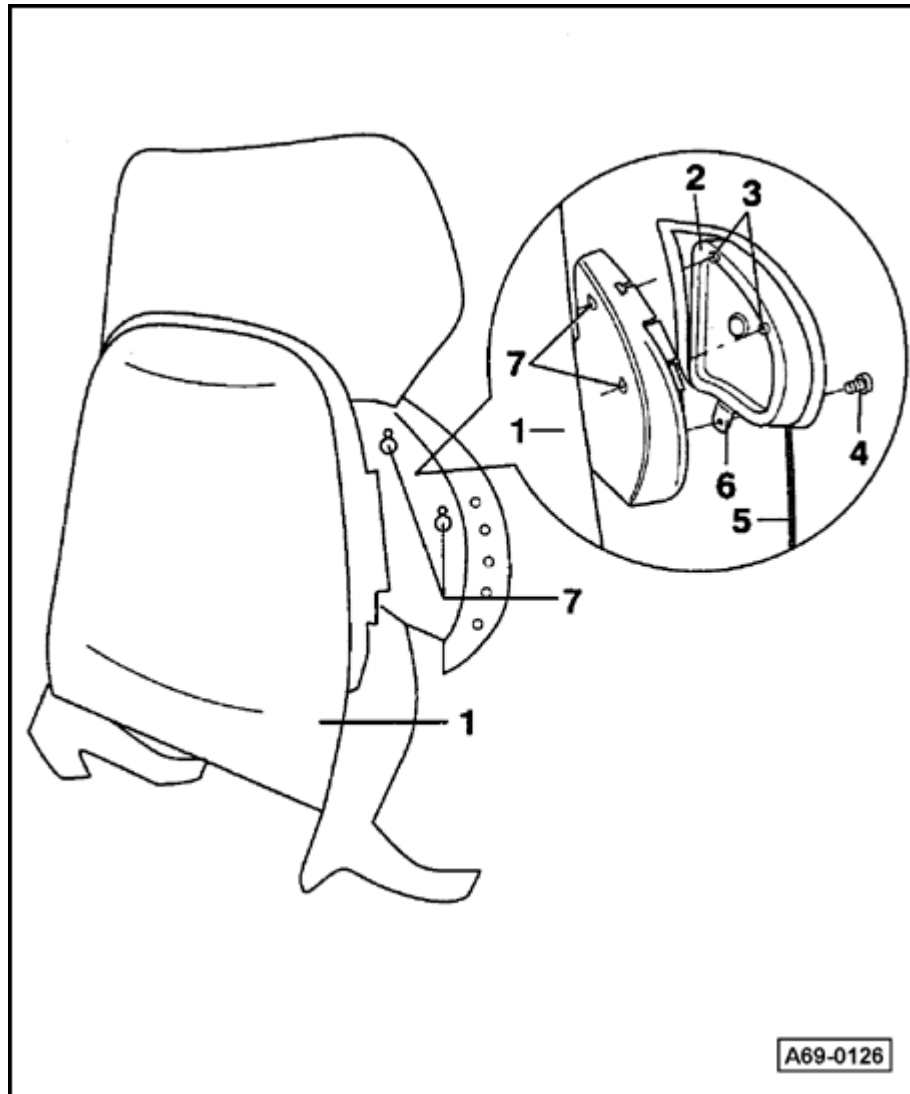
- ♦ **Follow all safety precautions when working on side airbag.**
- ♦ **Before starting work on seats, connect VAS5094 airbag adapter ⇒ [page 72-9](#).**

1 - Backrest

2 - Side airbag unit

Removing:

- Remove Recaro seat ⇒ [page 72-25](#).
- Remove mounting trim ⇒ [page 72-41](#).
- Disconnect yellow airbag harness connector under seat.
- Disconnect black Ground (GND) harness connector for airbag, located under seat.
- Unbolt bolt -4- on retainer -6- on underside of side airbag unit -2-.
- Push side airbag unit -2- downward.
- Carefully pull out side airbag unit -2-.



Installing:

WARNING!

Make sure vehicle is not occupied.

Note:

Always replace bolt -4-.

- Install side airbag unit -2- so that engaging pins -3- engage in locating holes -7-.
- Push side airbag unit up to stop.
- Tighten new bolt -4- on side airbag unit to 10 Nm (7 ft lb).
- Install airbag cable -5-.
- Connect yellow harness connector of airbag cable and black harness connector for airbag Ground (GND) strap underneath seat.
- Reinstall mounting trim.

3 - Engaging pins

4 - Bolt

◆ 10 Nm (7 ft lb)

5 - Airbag cable

6 - Retainer

7 - Locating holes

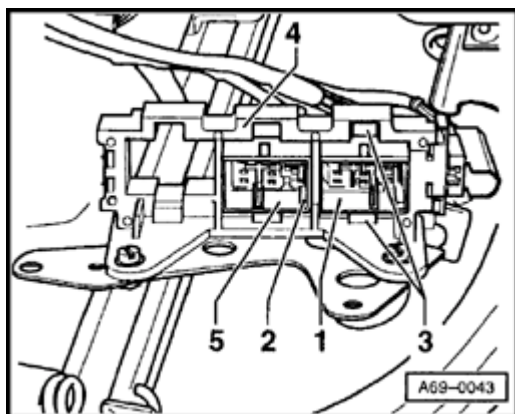
Seat occupant sensor, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

Note:

The seat occupant sensor will be used at a later time.



A

- Removing seat ⇒ [page 72-2](#) .
- Remove seat cover ⇒ [page 74-15](#) .

Note:

Sensor mat is only available as a replacement part which includes seat heater and seat cushion.

- Press retaining tabs -3- and disconnect connector -1- for seat occupant sensor from connector strip -4-.
- Disconnect Ground (GND) strap from harness connector -1- (location -4-).
- Unclip harness connector -5- and disconnect intermediate connector to backrest.
- Remove seat cushion along with sensor mat and seat heater from seat pan.

- When installing, make sure bar -2- points toward tunnel.
- After installing sensor mat, test sensor mat function using VAG1551 Scan Tool (ST) ⇒ [page 69-84](#) .

Testing sensor mat function

Note:

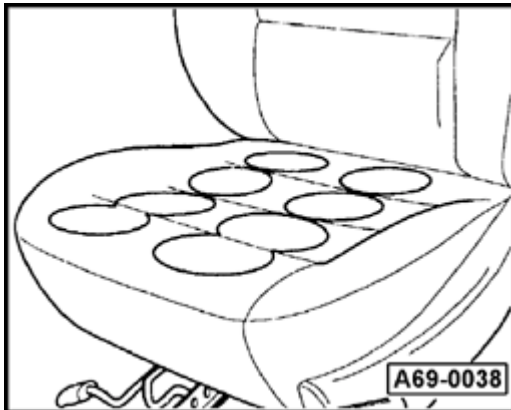
Illustration is shown without cover.

- Remove any seat mats before testing sensor mats.
- - Connect VAG1551 scan tool
⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#) .
 - Select Read Measuring Value Block (function

08) and
input
display
group
number
003

⇒ [Repair Manual, Body
On Board Diagnostic
\(OBD\), Repair Group
01](#) .

Read Measuring Value Block number 2 for seat
occupant sensor passenger side indicates: not
occupied.



A

- Test each sensor group by pressing on them with your hand until display changes from "not occupied" to "occupied" (max. load 12 kg).

Note:

If "occupied" is indicated, even though you are not pressing sensor group, either the sensor mat is malfunctioning or the seat cover is too tight.

Crash sensor for side airbag, removing and installing

WARNING!

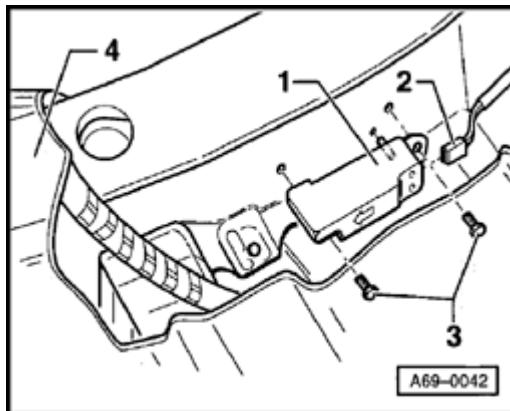
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

Notes:

- ◆ *A crash sensor for the side airbag is located under both the driver's and passenger's seats.*
- ◆ *Both crash sensors for the side airbags are identical.*
- ◆ *When installed, the arrow points down.*

Removing

- Disconnect battery Ground (GND) strap.
- Remove front seat ⇒ [page 72-2](#) .
- Remove lower A-pillar trim ⇒ [page 70-72](#) .
- Unclip sill molding and fold upward.
- Pull up floor mat -4- near sensor.
- Disconnect harness connector -2- from crash sensor for side airbag -1-.
- Remove bolts -3- (2x).
Tightening torque: 6 Nm (53 in. lb)
- Remove crash sensor for side airbag -1-.



Installing

- Switch ignition on.
- Close doors.

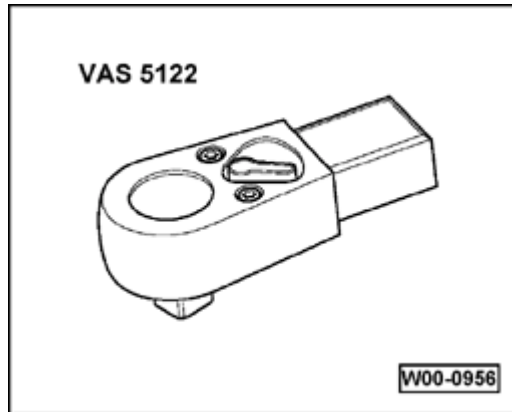
WARNING!

Make sure no one is in vehicle.

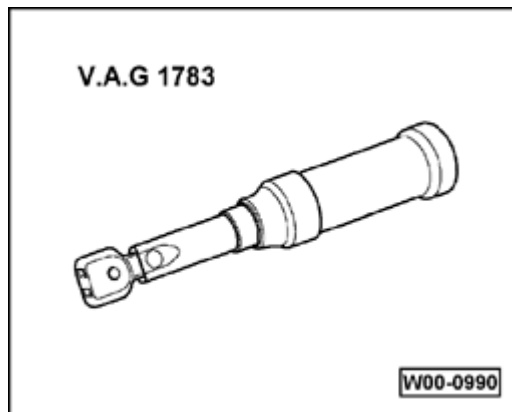
- Connect battery Ground (GND) strap.

Side curtain protection airbag, servicing

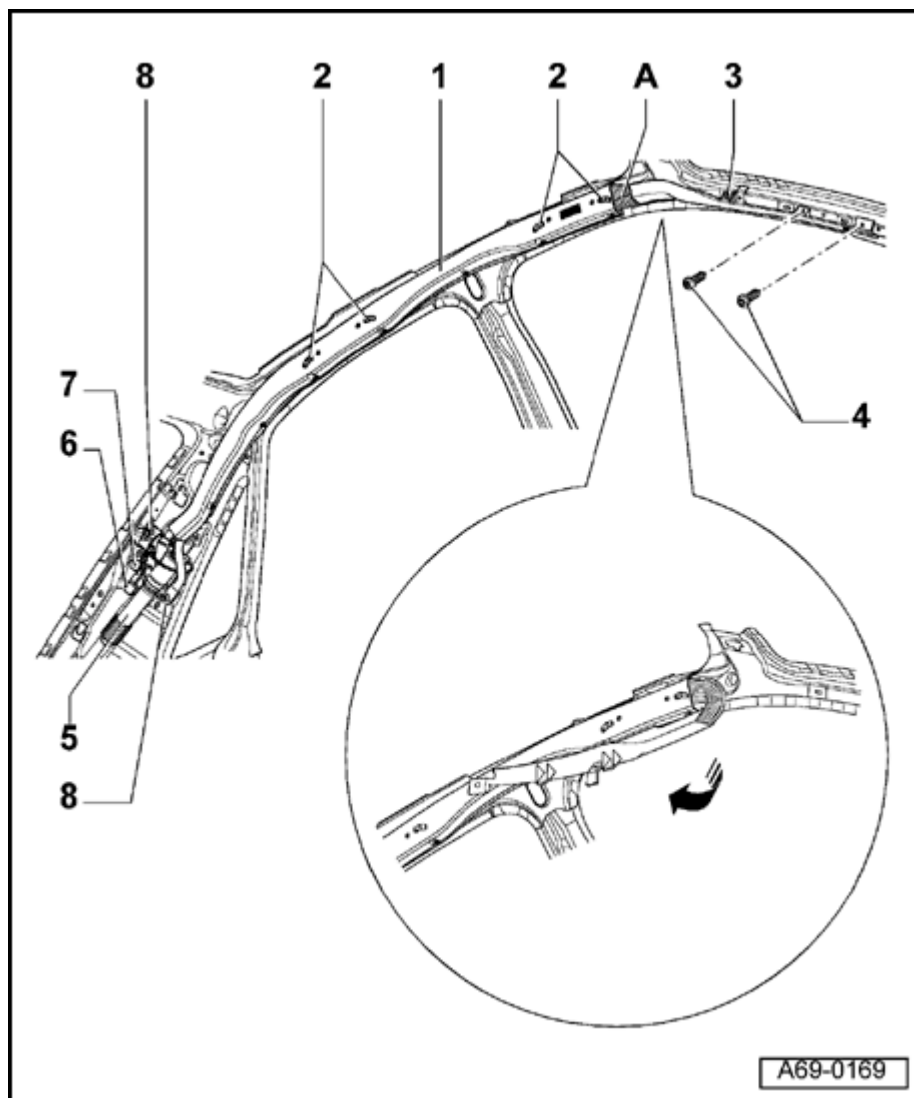
Special tools and equipment



◆ VAS 5122



◆ VAG 1783



Side curtain protection airbag (sedan), removing and installing

WARNING!

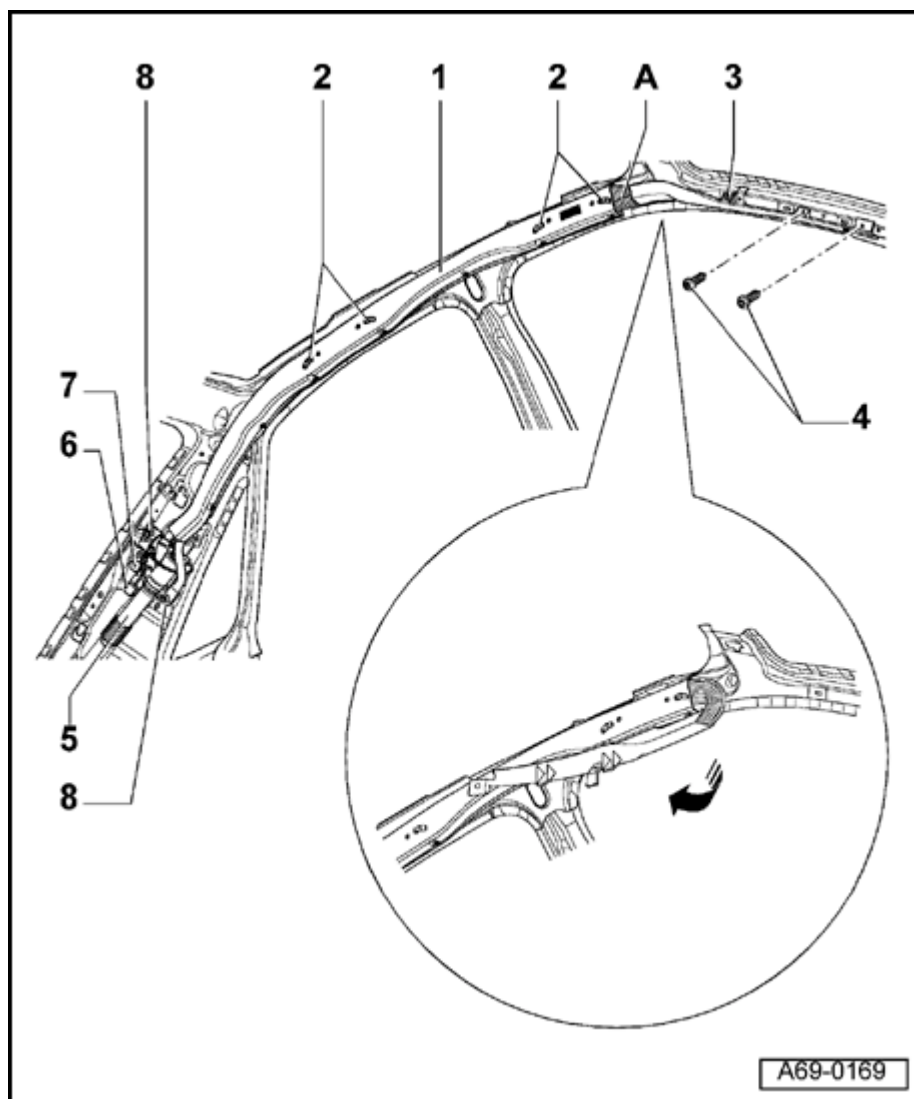
Follow all safety precautions when working on airbags ⇒ [page 69-40](#) and **side curtain airbag** ⇒ [page 69-49](#) .

1 - Side curtain airbag

Removing:

- Remove upper A-pillar trim panel ⇒ [page 70-88](#) .
- Remove upper B-pillar trim without loosening seat belt ⇒ [page 70-91](#) .
- Remove upper D-pillar trim ⇒ [page 70-96](#) .
- Remove bolts - 4 - (2x).
- Unclip side curtain airbag at clip - 3 -.
- Fold front portion of side curtain airbag toward rear and secure at Velcro[®] strip (inset).
- Disconnect harness connector for side curtain airbag ⇒ [Fig. 2](#) .
- Remove bolts - 8 - (2x).
- Remove igniter - 5 - at clip - 7 -.

69-89



- Remove side curtain airbag - 1 - by grab handle adapters - 2 -.

WARNING!

Always follow installation sequence for side curtain airbag.

Installing:

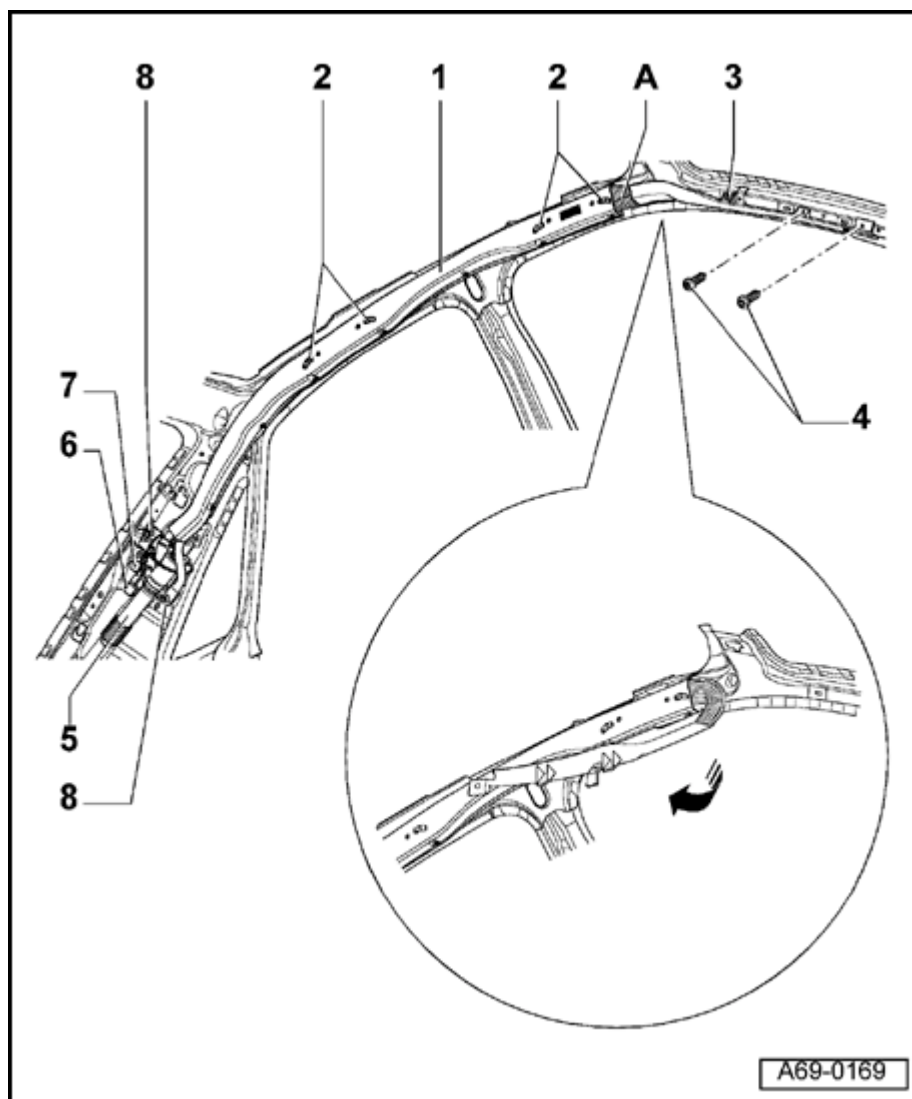
- Secure side curtain airbag at grab handle adapters - 2 - (2x) using pre-assembly clips ⇒ [Fig. 5](#)
- Clip igniter - 5 - in at clip - 7 -.
- Install bolts - 8 - (2x) ⇒ [Fig. 1](#) .
- Release front portion of airbag - 1 - and fold it back to A-pillar, during this, twist-securing seam -A- must face center of vehicle.
- Clip in side curtain airbag using clip - 3 -.
- Install bolt - 4 - ⇒ [Fig. 3](#) .
- Remainder of installation is in reverse order of removal
- Switch ignition on.

WARNING!

Make sure the passenger compartment is not

occupied before connecting the battery Ground (GND) strap.

- Connect battery.

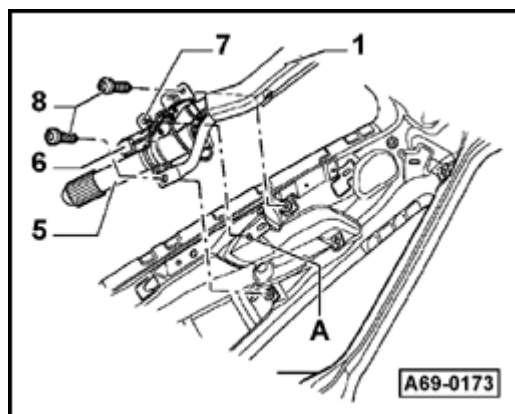
**2 - Grip handle adapter****3 - Clip****4 - Bolts (2x)**

- ◆ 4 Nm (35 in. lb)
- ◆ Self-locking
- ◆ Always replace
- ◆ Always clean threaded holes for drive flange bolts (e.g. using tap)

5 - Igniter**6 - Side curtain airbag harness connector****7 - Clip****8 - Bolts (2x)**

- ◆ 4 Nm (35 in. lb)
- ◆ Self-locking
- ◆ Always replace
- ◆ Always clean threaded holes for drive flange bolts (e.g. using tap)
- ◆ Use VAS5 122 and VAG 1783

69-91



A

Fig. 1 Igniter at D-pillar

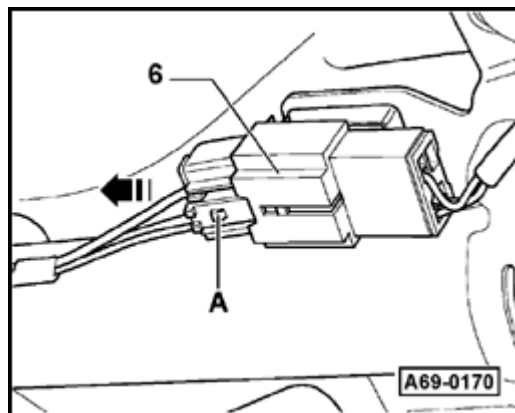
- Engage clip -7- in mount -A-.
- Install bolts -8-.
- ◆ Tightening torque: 4 Nm (35 in. lb)
- ◆ Use VAS 5122 and VAG 1783

1 - Side curtain airbag

5 - Igniter

6 - Airbag connector

7 - Clip



A

Fig. 2 Disconnecting harness connector for side curtain airbag

- Press catches -A- and disconnect harness connector in direction of arrow.

6 - Side curtain airbag harness connector

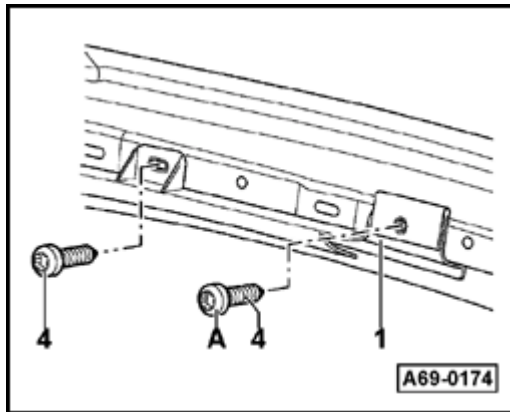


Fig. 3 Side curtain airbag at lower A-pillar

- Install lower bolt -A- first.

1 - Side curtain airbag

4 - Bolts (2x)

Tightening torque: 4 Nm (35 in. lb)

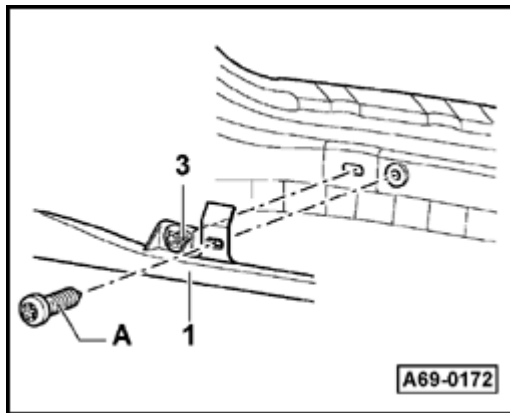


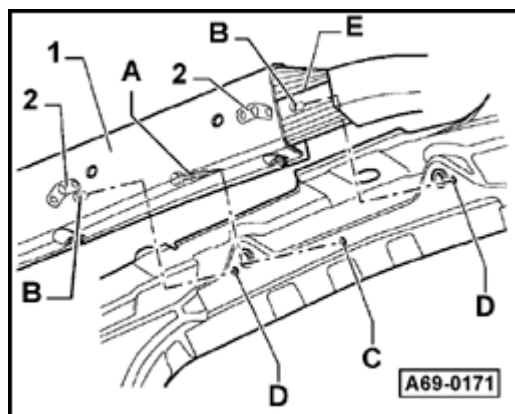
Fig. 4 Side curtain airbag at upper A-pillar

- Engage clip -3-.

- Bolt -A- must be attached along with A-pillar trim panel.

1 - Side curtain airbag

3 - Clip



A

Fig. 5 Mounting side curtain airbag at roof grab handle

The procedure is the same at the front and the rear.

- Insert pre-assembly clip -A- into mounting point -C-.
- Insert pins -B- in mounting points -D-.
- Twist-securing seam -E- must face center of vehicle.

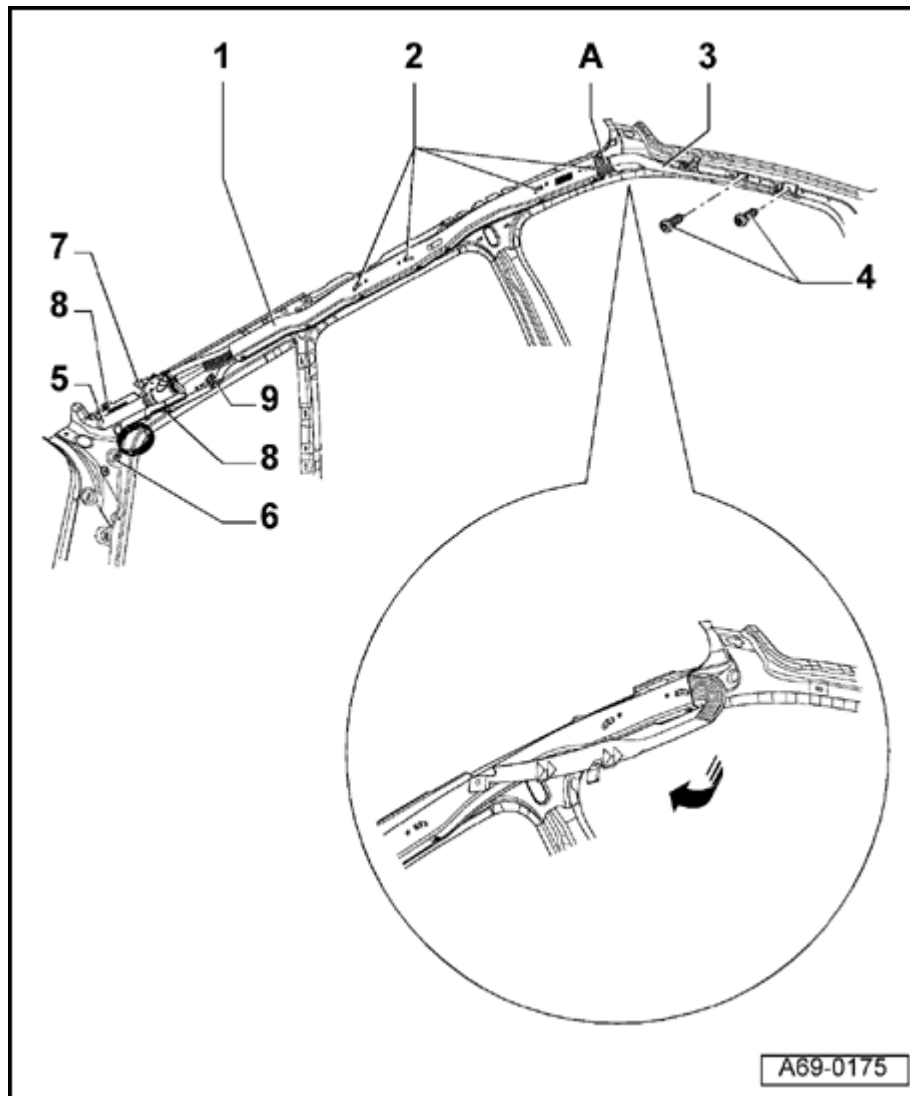
1 - Side curtain airbag

2 - Grip handle adapter, delivery casing airbag

Notes:

- ◆ After reconnecting the battery, check and activate the vehicle's electrical equipment (radio, clock, window regulators) according to the repair manual and/or Owner's Manual.
- ◆ If the airbag Malfunction Indicator Lamp (MIL) -K75- indicates a malfunction, the DTC memory must be erased and then checked again using the VAG1551 scan tool.

⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#)



Side curtain protection airbag (Avant), removing and installing

WARNING!

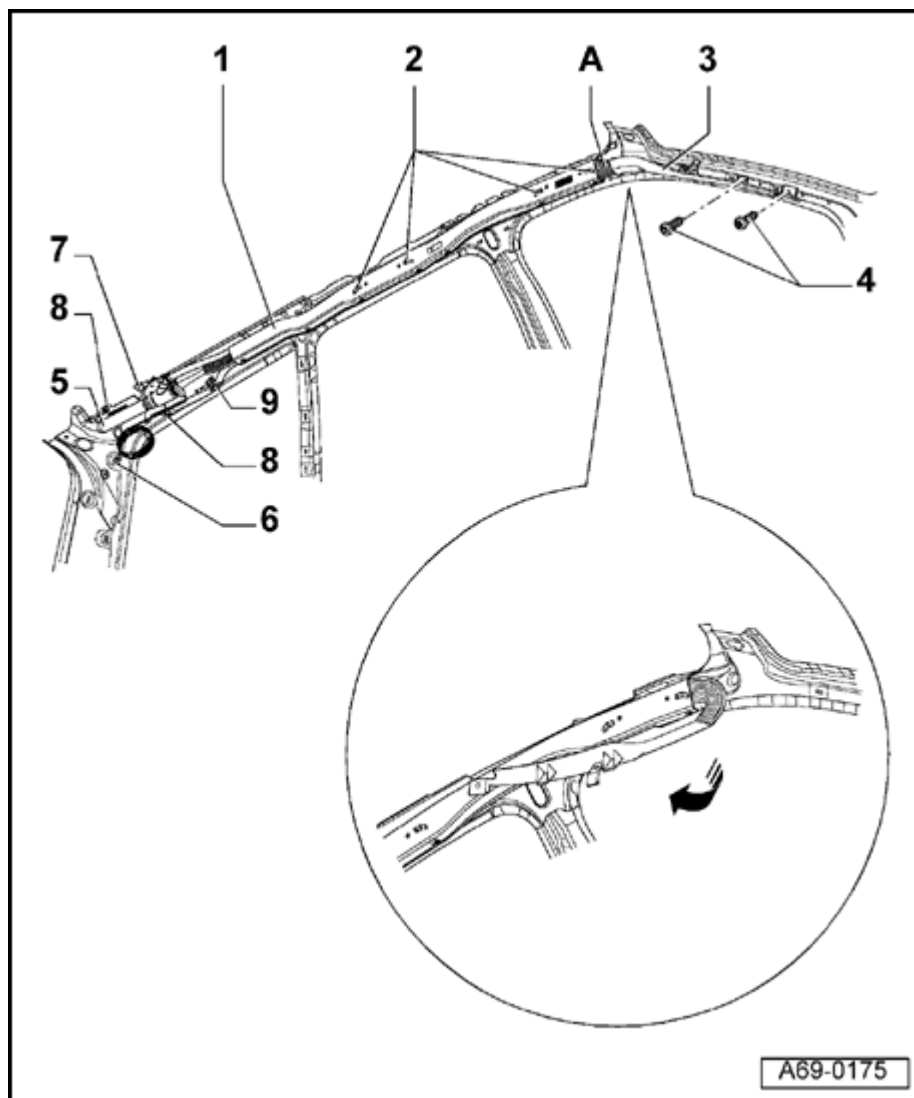
Follow safety precautions for working on airbags ⇒ [page 69-40](#) **and side curtain airbag** ⇒ [page 69-49](#) .

1 - Side curtain airbag

Removing:

- Remove upper A-pillar trim panel ⇒ [page 70-88](#) .
- Remove upper B-pillar trim without loosening seat belt ⇒ [page 70-91](#) .
- Remove upper C-pillar trim ⇒ [page 70-106](#) .
- Remove upper D-pillar trim ⇒ [page 70-107](#) .
- Remove bolts - 4 - (2x).
- Unclip side curtain airbag at clip - 3 -.

69-95



- Fold front portion of side curtain airbag toward rear and secure at Velcro[®] strip (inset).

WARNING!

NEVER disconnect the yellow 2-pin harness connector on the side curtain airbag!

- Disconnect harness connector for side curtain airbag behind side trim panel ⇒ [Fig. 2](#) .
- Remove cable from D-pillar.
- Remove bolts - 8 - (2x).
- Remove igniter - 5 - at clip - 9 -.
- Disengage retaining tab - 7 -.
- Remove side curtain airbag - 1 - by grab handles - 2 -.

WARNING!

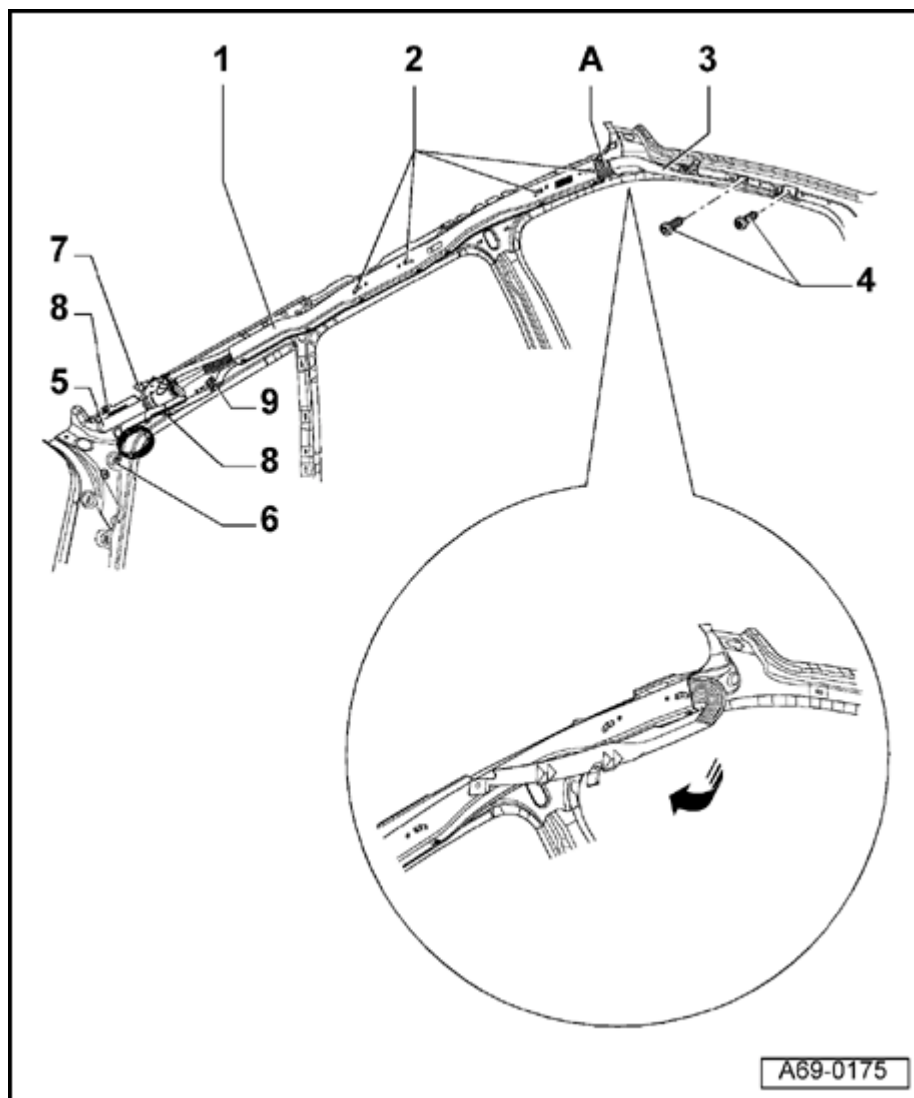
Always follow installation sequence for side curtain airbag.

Installing:

- Secure side curtain airbag at grab handle adapters - 2 - (2x) using pre-assembly clips ⇒ [Fig. 5](#) .

- Install bolts - 8 - (2x) ⇒ [Fig. 1](#) .

69-96



- Release front portion of airbag - 1 - and fold it back to A-pillar, during this, twist-securing seam -A- must face center of vehicle.
- Clip in side curtain airbag using clip - 3 - ⇒ [Fig. 4](#) .
- Install bolt -4- ⇒ [Fig. 3](#) .
- Remainder of installation is in reverse order of removal
- Switch ignition on.

WARNING!

Make sure the passenger compartment is not occupied before connecting the battery Ground (GND) strap.

- Connect battery.

2 - Grip handle adapter

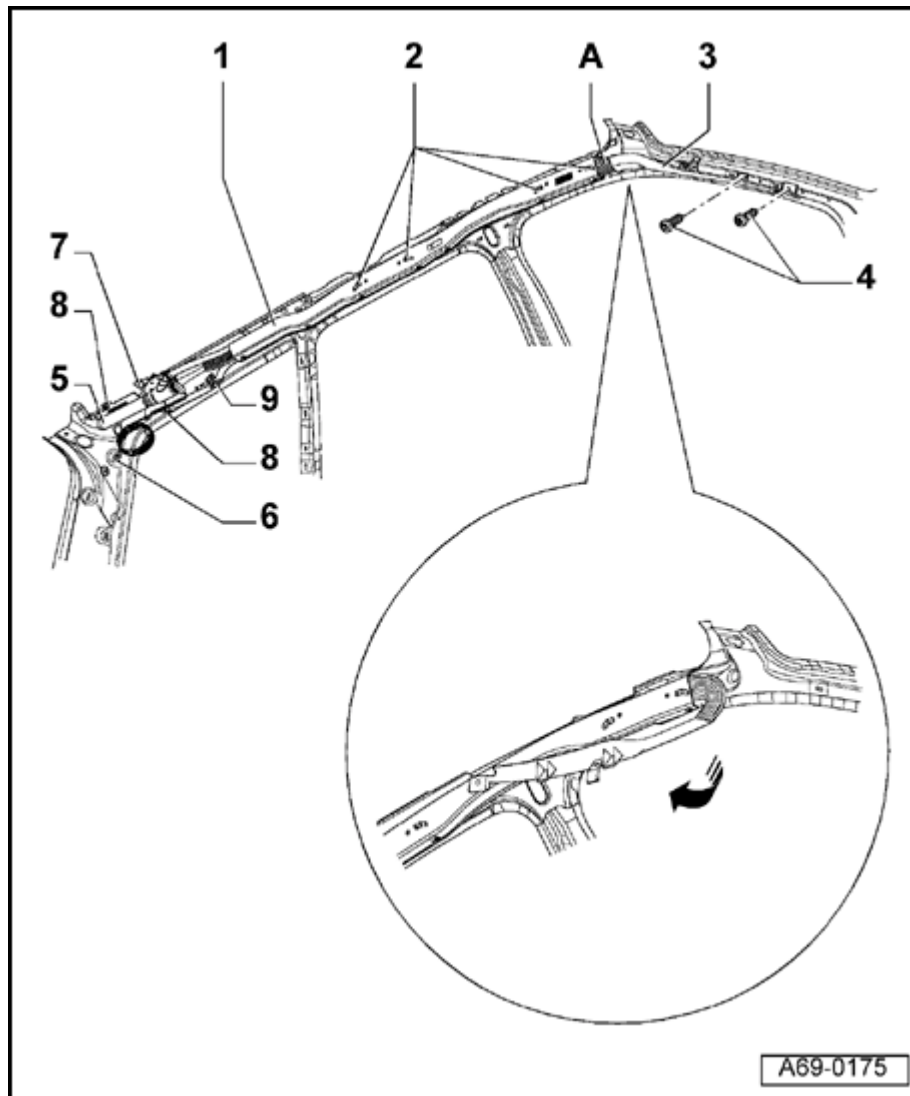
3 - Clip

4 - Bolts (2x)

- ◆ 4 Nm (35 in. lb)
- ◆ Self-locking
- ◆ Always replace
- ◆ Always clean threaded holes for drive

flange bolts (e.g. using tap)

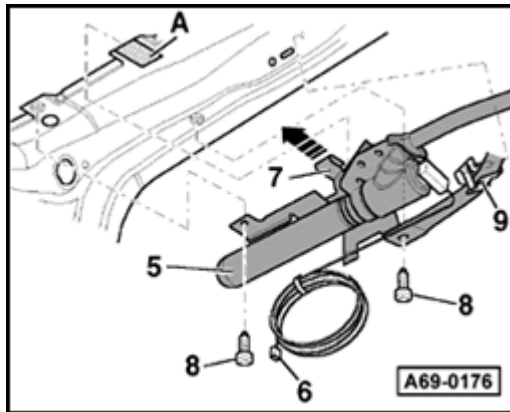
69-97

**5 - Igniter****6 - Side curtain airbag harness connector****7 - Retaining tab****8 - Bolts (2x)**

- ◆ 4 Nm (35 in. lb)
- ◆ Self-locking
- ◆ Always replace
- ◆ Always clean threaded holes for drive flange bolts (e.g. using tap)
- ◆ Use VAS 5122 and VAG 1783

9 - Clip

69-98



A

Fig. 1 Igniter at D-pillar

- Remove bolts -8-.
- Remove airbag in direction of arrow.
- Cable rolled up in delivery condition.

5 - Igniter

6 - Harness connector

7 - Retaining tab

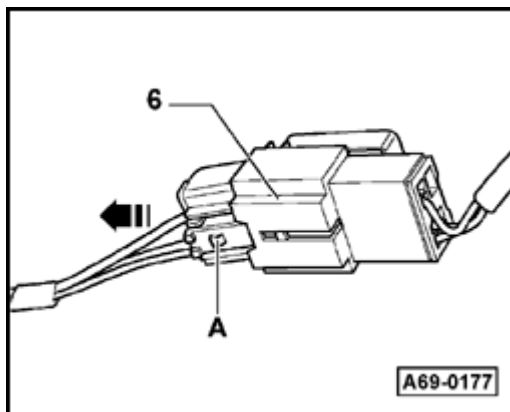
8 - Bolts (2x)

Use VAS 5122 and VAG 1783

Tightening torque: 4 Nm (35 in. lb)

9 - Clip

A - Felt



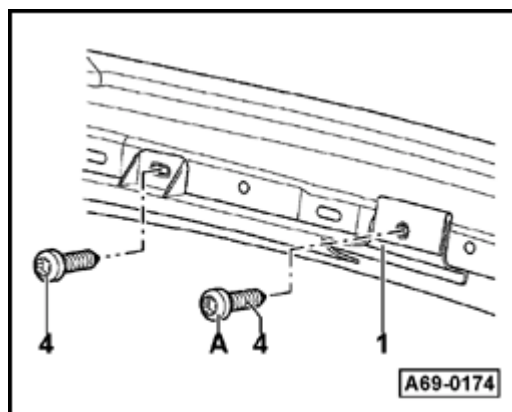
A

Fig. 2 Disconnecting harness connector for side curtain airbag

- Press catches -A- and disconnect harness connector in direction of arrow.

6 - Side curtain airbag harness connector

69-99



A

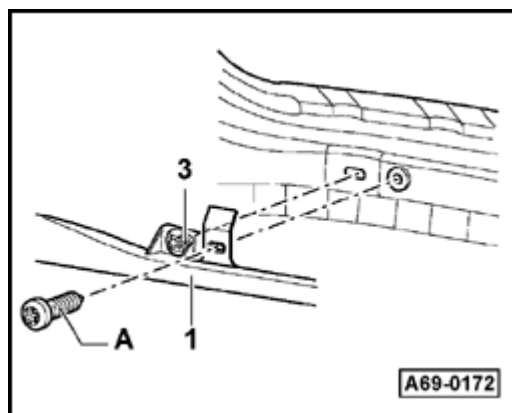
Fig. 3 Side curtain airbag at lower A-pillar

- Install lower bolt -A- first.

1 - Side curtain airbag

4 - Bolts (2x)

Tightening torque: 4 Nm (35 in. lb)



A

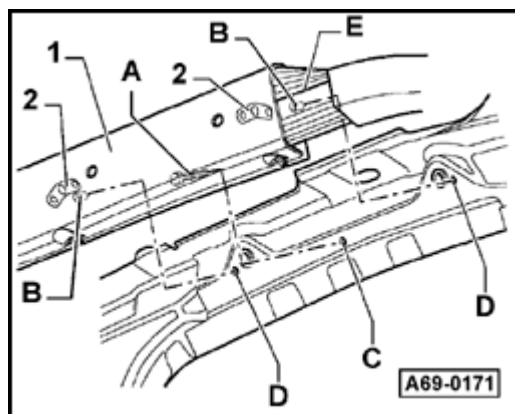
Fig. 4 Side curtain airbag at upper A-pillar

- Engage clip -3-

- Bolt -A- must be attached along with A-pillar trim panel.

1 - Side curtain airbag

3 - Clip



A

Fig. 5 Mounting side curtain airbag at roof grab handle

Front and rear roof grab handles are mounted the same way.

- Insert pre-assembly clip -A- into mounting point -C-.
- Insert pins -B- in mounting points -D-.
- Twist-securing seam -E- must face center of vehicle.

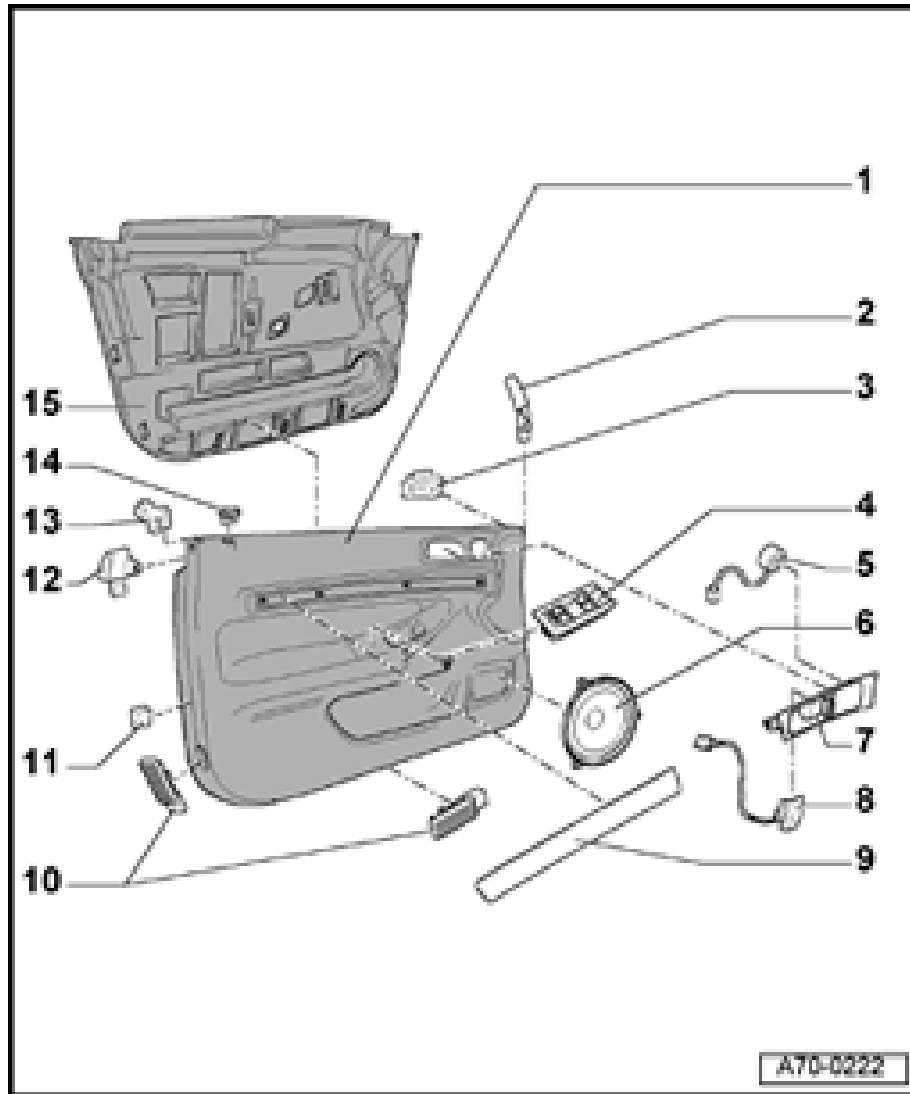
1 - Side curtain airbag

2 - Grip handle adapter, delivery casing airbag

Notes:

- ◆ After reconnecting the battery, check and activate the vehicle's electrical equipment (radio, clock, window regulators) according to the repair manual and/or Owner's Manual.
- ◆ If the airbag Malfunction Indicator Lamp (MIL) -K75- indicates a malfunction, the DTC memory must be erased and then checked again using the VAG 1551 scan tool.

⇒ [Repair Manual, Body On Board Diagnostic \(OBD\), Repair Group 01](#)



Front door trim

Component locations, overview

1 - Door trim

◆ Removing ⇒ [page 70-3](#)

2 - Outer connecting piece

3 - Outer filler piece

4 - Power window switch insert

◆ Driver-side ⇒ [page 70-9](#)

◆ Passenger-side ⇒ [page 70-10](#)

5 - Speaker (tweeter)

◆ Removing ⇒ [page 70-17](#)

6 - Speaker (woofer)

◆ Removing ⇒ [page 70-16](#)

7 - Interior door handle

◆ Removing ⇒ [page 70-19](#)

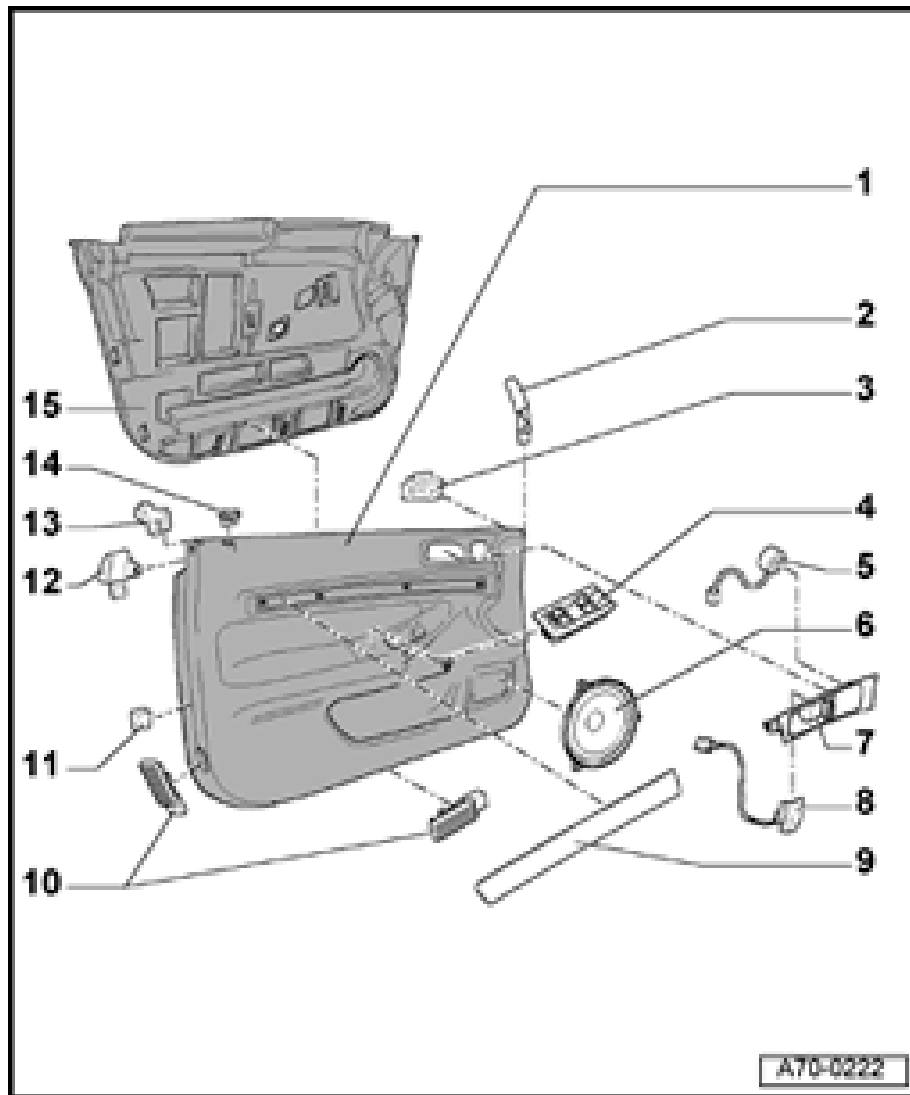
8 - Central door locking switch

◆ Driver-side only

◆ Removing ⇒ [page 70-15](#)

9 - Trim

◆ Removing ⇒ [page 70-18](#)

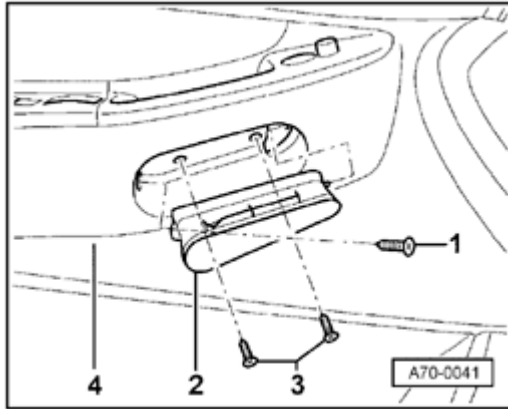
**10 - Door warning and footwell lights**

◆ Removing and installing ⇒ [page 70-33](#)

11 - Detent notch base**12 - Inner connecting piece****13 - Inner filler piece****14 - Door knob guide****15 - Front door trim insulation**

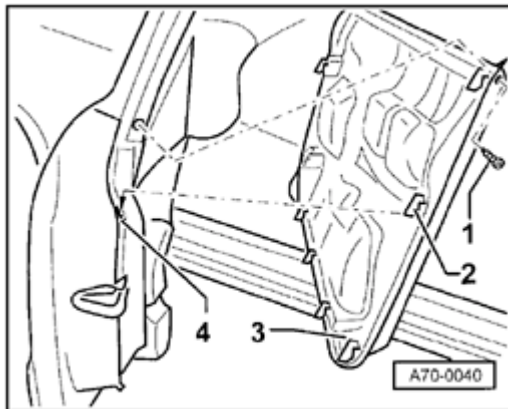
◆ Removing and installing ⇒ [page 70-5](#)

Front door trim, removing and installing



- Remove bolt -1-.
- Tightening torque: 1.5 Nm (13 in. lb)
- Pull handle shell -2- downward out of door trim -4-.
- Remove bolts -3- (2x).
- Tightening torque: 2.5 Nm (22 in. lb)

Vehicles with manual window crank ⇒ [page 70-6](#) .

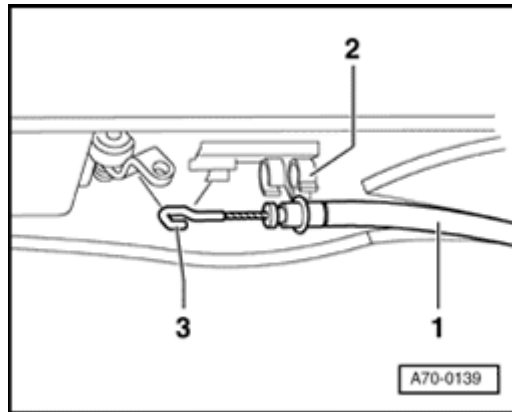


- Remove bolts -1- (2x).
- Tightening torque: 1.5 Nm (13 in. lb)
- Lift door trim -3- up and out of door shell.
- To install, bases -4- for detent notches -2- (7x) must be installed.

Note:

The Bowden cable for the inside door mechanism and the electrical harness connectors are not disconnected until after removing door trim -3-.

70-4



A

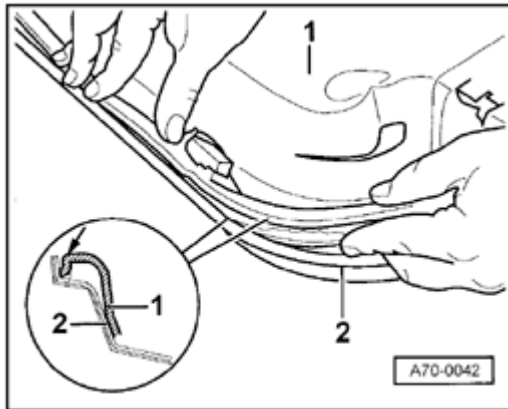
- Pull Bowden cable -1- out of guide -2- and remove.

Note:

When installing make sure that hook -3- faces upward.

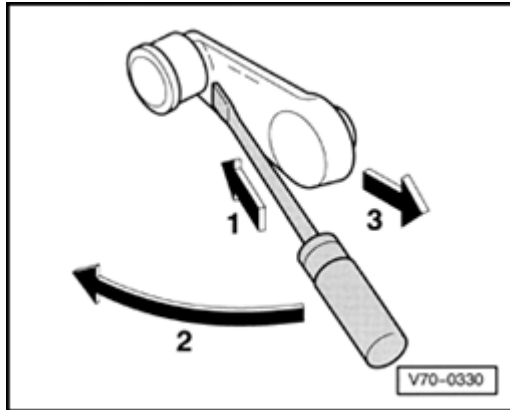
- Disconnect electrical harness connectors.

Front door trim insulation, removing and installing

**A**

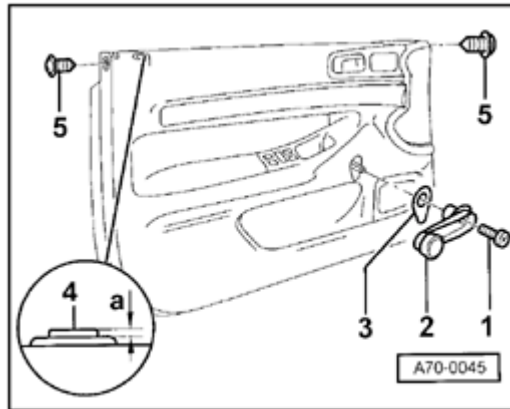
- Insulation -1- must be inserted into door trim -2- all around.
- When removing or installing insulation -1-, ensure that insulation is not damaged when installing it over retaining tabs or electrical harness connectors.

Front manual window cranks, removing and installing



A

- Press in flat side of flat-head screwdriver in direction of arrow -1-.
- Rotate flat-head screwdriver in direction of arrow -2-.
- Pull off cover in direction of arrow -3-.



A

- Remove bolt -1-.
- Tightening torque: 2.5 Nm (22 in. lb)
- Remove manual window crank -2- and base -3-.

Front door manual window crank installation position

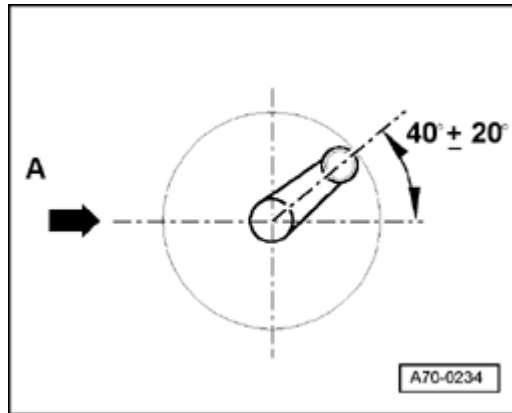
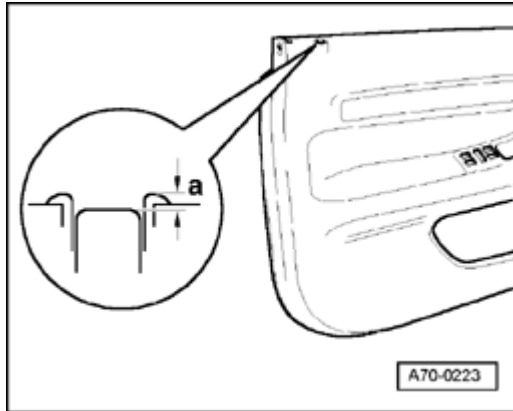


Illustration shows left manual window crank (right side is mirror of left).

A - Driving direction

Installation position shown: window closed

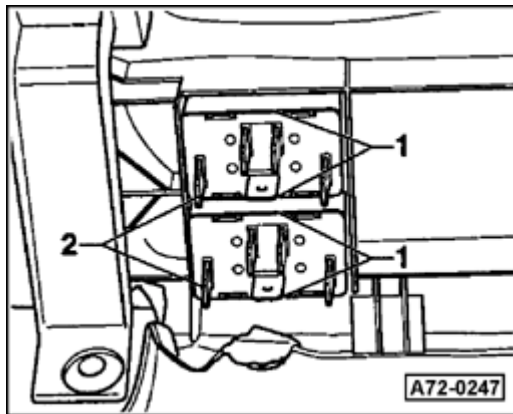
Release button, adjusting



- When locked, release lever must not project more than dimension -a-.
- Dimension -a-: 0-2 mm countersunk

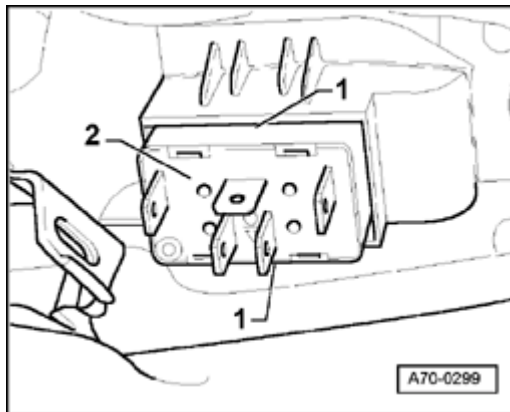
Driver-side power window switches, removing and installing

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Remove vapor barrier ⇒ [page 70-12](#) .
- ◀ - Use screwdriver to remove retaining tabs -1-.
- Remove power window switches -2-.



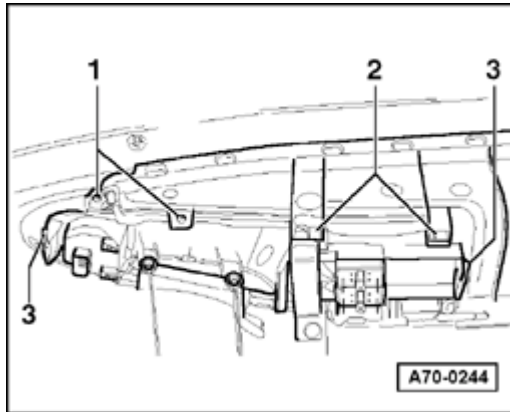
Passenger-side power window switch, removing and installing

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Use screwdriver to release retaining tabs -1-.
- Remove power window switches -2-.



Grip handle cover with power window switch unit and power mirror switch, removing and installing

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Remove vapor barrier ⇒ [page 70-12](#) .

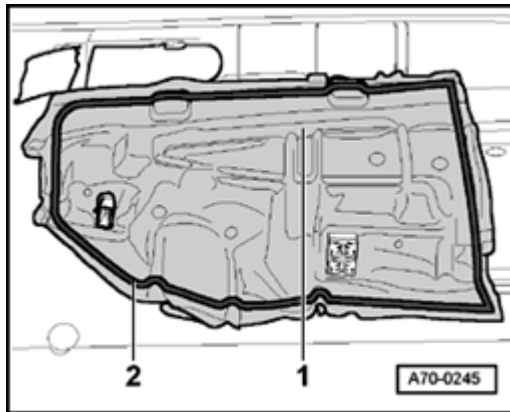
**A**

- Remove bolts -1- (2x).
Tightening torque: 1.5 Nm (13 in. lb)
- Release retaining tabs -2- (2x) and clips -3- (2x).
- Remove grip handle cover forward.

Vapor barrier, removing

- Remove door trim ⇒ [page 70-3](#) .

- Remove insulation ⇒ [page 70-5](#) .

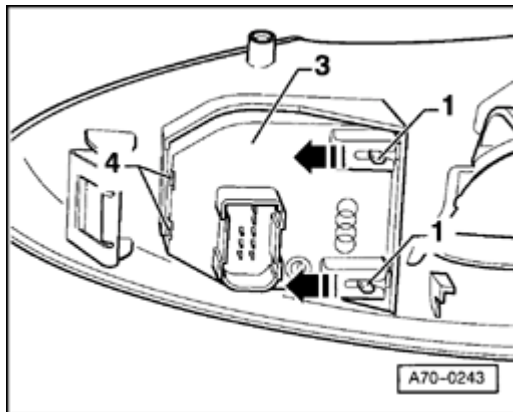


4

- To install, press in vapor barrier -1- in area of adhesive bead -2-.
- Push power window electrical harness connectors through vapor barrier.

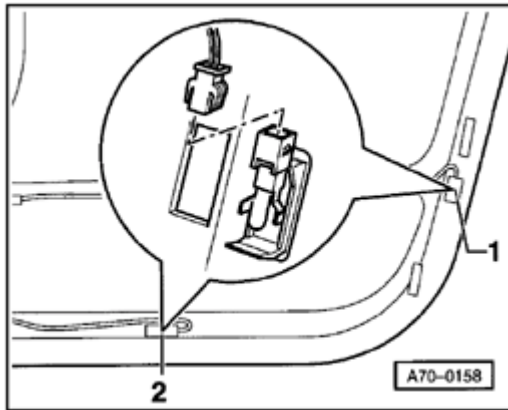
Power mirror switch, removing and installing

- Remove door trim ⇒ [page 70-3](#) .
- Remove grip handle cover ⇒ [page 70-11](#) .
- Press pins -1- (2x) in direction of arrow.
- Remove retaining tabs -2-.
- Remove power mirror switch -3-.



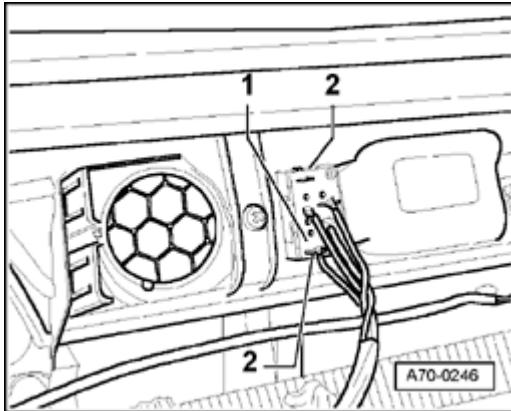
70-14

Door warning light and footwell lights, removing and installing

**A**

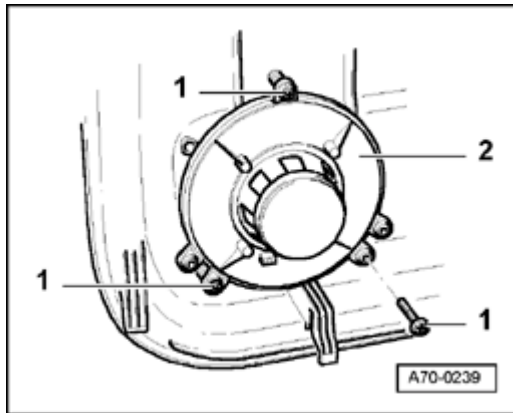
- Detach door warning light -1- from below using screwdriver and remove toward outside together with cable.
- Disconnect door warning light -1-.
- Detach footwell lighting -2- from front using screwdriver and remove toward outside together with cable.
- Disconnect footwell lighting -2-.

Central door locking switch, removing



4

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Using screwdriver, detach retaining tabs (2x) and remove central door locking switch toward rear.



Bass speaker, removing

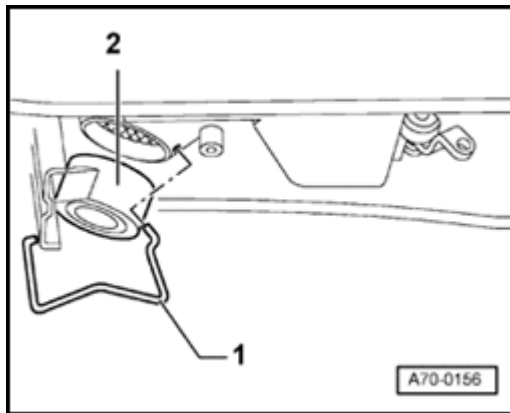
- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Remove bolts -1- (3x).

Tightening torque: 1.5 Nm (13 in. lb)

- Remove bass speaker -2-.

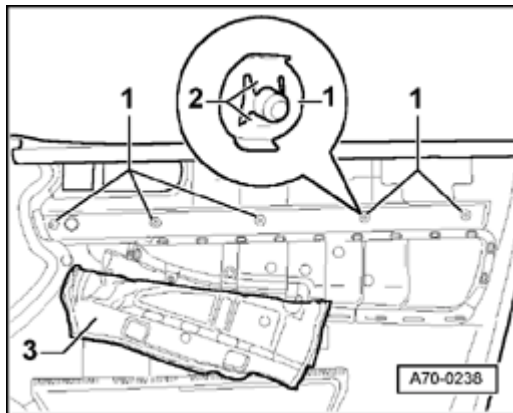
Tweeter, removing and installing

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- Pull wiring from door trim up to bass speaker.
- Remove interior door handle ⇒ [page 70-19](#) .
- Using screwdriver, detach bracket -1-.
- Remove tweeter -2-.



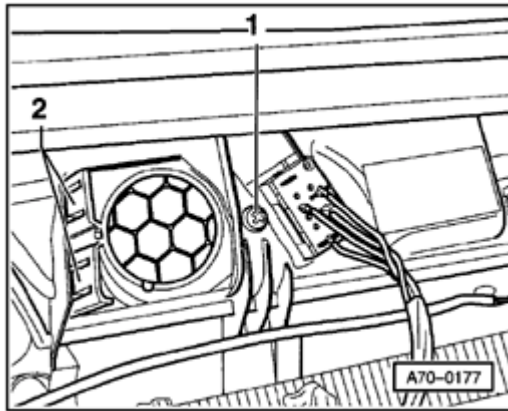
Trim panel in door trim, removing

- Remove door trim ⇒ [page 70-3](#) .
- Remove insulation ⇒ [page 70-5](#) .
- ◀ - Pull vapor barrier -3- down in area of trim.
- Carefully open clips -2- of clips -1-.
- Remove trim panel.



Interior door handle, removing

- Remove door trim ⇒ [page 70-3](#) .
- Remove tweeter ⇒ [page 70-17](#) .
- Remove central door locking switch (driver-side only) ⇒ [page 70-15](#) .

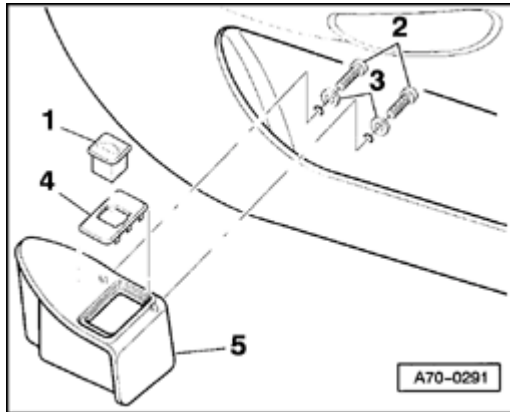


4

- Remove bolt -1-.
- Press retaining tabs -2- (2x) and remove interior door handle toward front.

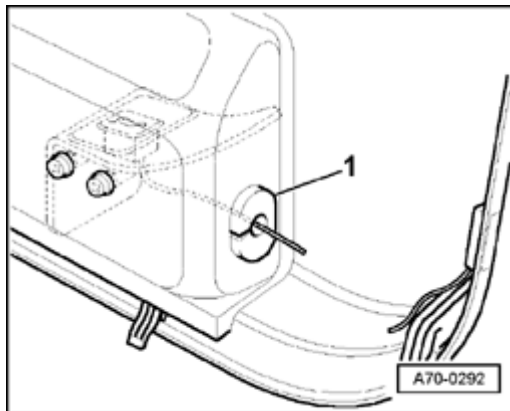
Console and trunk release switch, removing

- Remove door trim ⇒ [page 70-3](#) .



A

- Remove bolts -2- (2x).
- Remove console -5-.
- Disconnect harness connector from switch -1-.
- Remove trim panel -4- together with switch -1-.



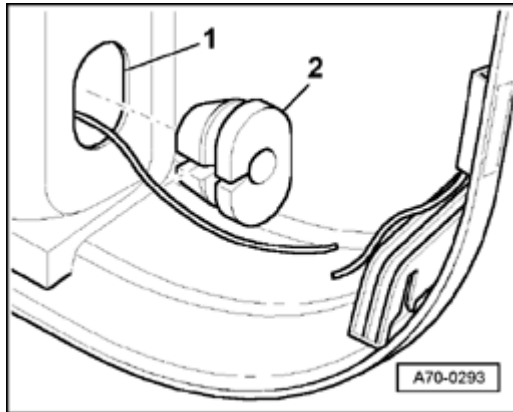
A

- Remove grommet -1-.

70-21

Door trim for trunk release switch, cutting out

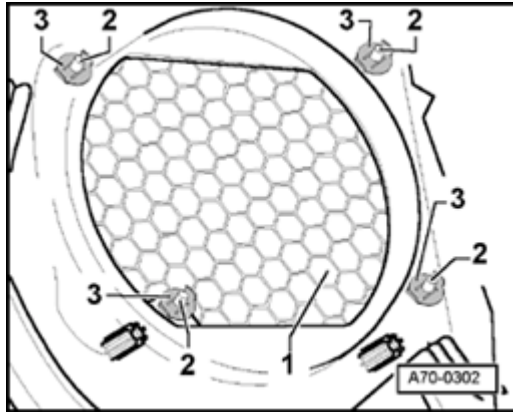
The area to be cut out -1- is indicated on door trim.



- Cut out area using available tools.
- Install grommet -2-.

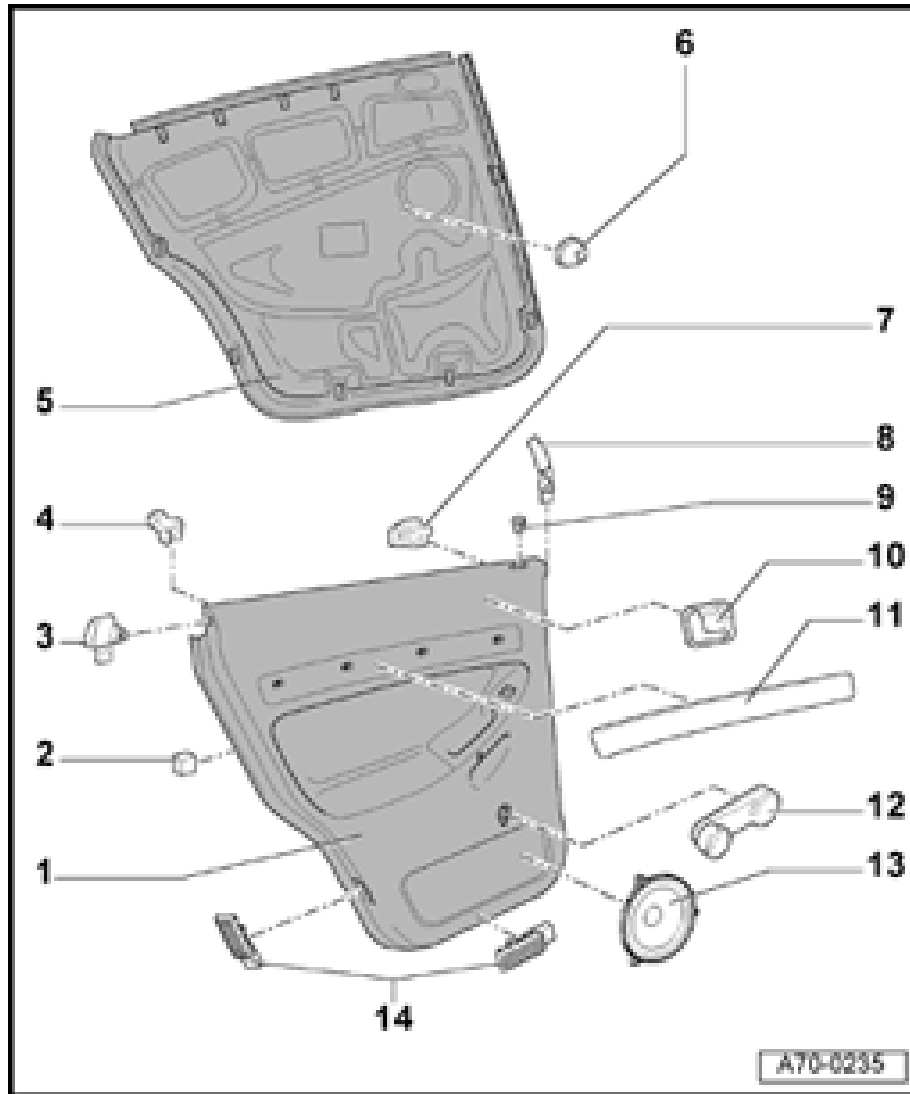
70-22

Switching speaker trim (Normal, Bose)



4

- Drill out old speaker trim -1- at -2- (4x).
- Insert speaker trim -1- from front and secure speaker trim -1- with clips -3- (4x).



Rear door trim

Component locations, overview

1 - Door trim

◆ Removing installing ⇒ [page 70-25](#)

2 - Clip locator

3 - Outer connecting piece

4 - Outer filler piece

5 - Rear door trim insulation

◆ ⇒ [page 70-37](#)

6 - Foam seal

7 - Inner filler piece

8 - Inner connecting piece

9 - Guide for locking knob

10 - Interior door handle

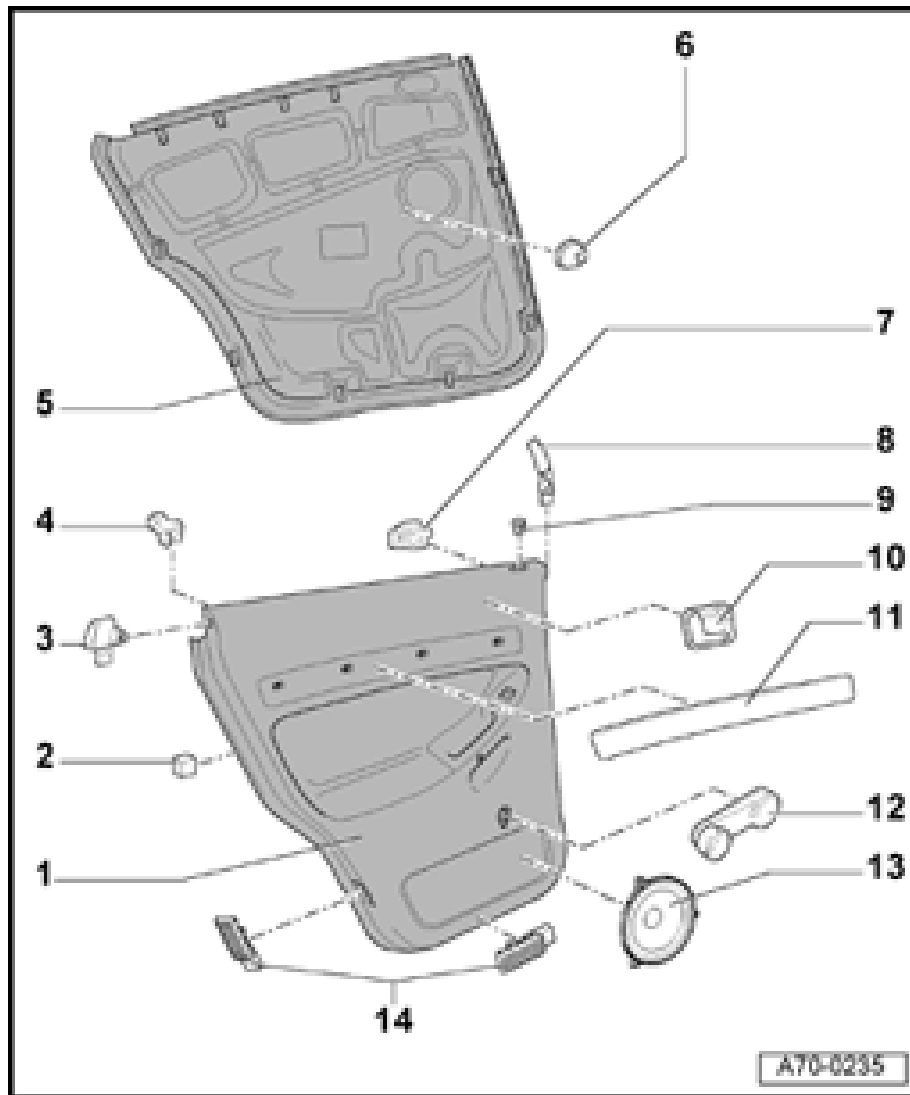
◆ Removing ⇒ [page 70-27](#)

11 - Trim panel

◆ Removing ⇒ [page 70-36](#)

12 - Window crank handle

70-24

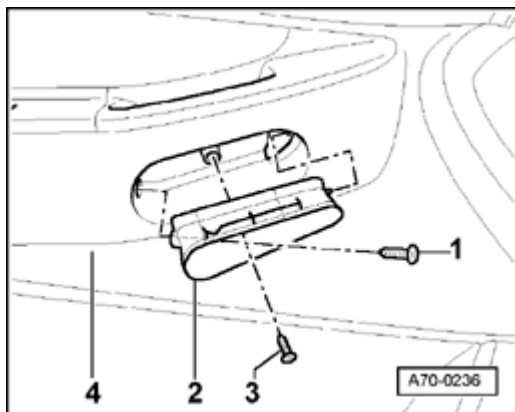
**13 - Speaker (woofer)**

◆ Removing ⇒ [page 70-16](#)

14 - Door warning and footwell lights

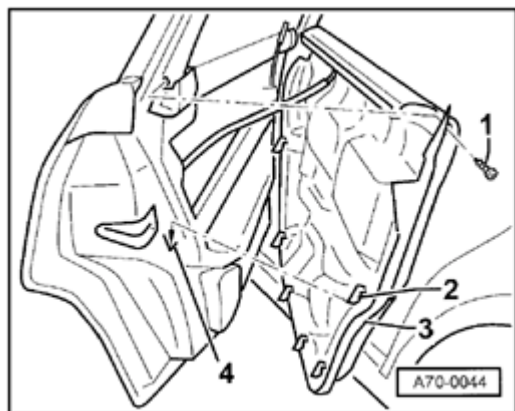
◆ Removing ⇒ [page 70-33](#)

Rear door trim, removing and installing



- Remove bolt -1-.
- Tightening torque: 1.5 Nm (13 in. lb)
- Pull handle shell -2- downward out of door trim -4-.
- Remove nut -3- (1x).
- Tightening torque: 2.5 Nm (22 in. lb)

Vehicles with manual window crank ⇒ [page 70-28](#) .

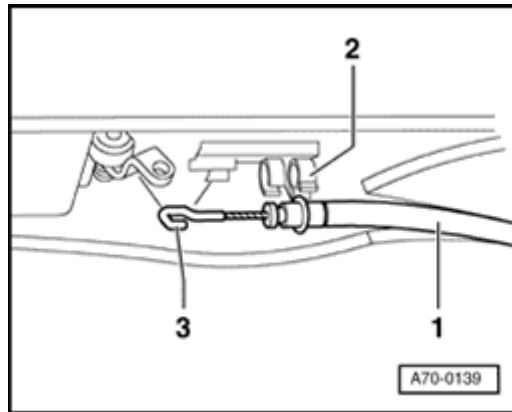


- Remove bolts -1- (2x).
- Tightening torque: 1.5 Nm (13 in. lb)
- Lift door trim -3- up and out of door shell.
- To install, bases -4- for detent notches -2- (7x) must be fully installed.

Note:

The Bowden cable for the inside door mechanism and the electrical harness connectors are not disconnected until after removing door trim -3-.

70-26



A

- Pull Bowden cable -1- out of guide -2- and remove.

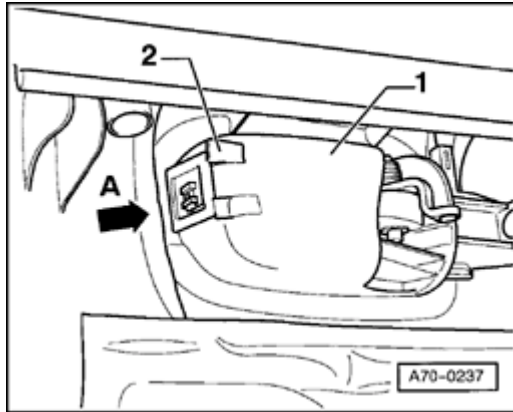
Note:

When installing, make sure that hook -3- faces upward.

- Disconnect electrical harness connectors.

Interior door handle, removing

- Remove door trim ⇒ [page 70-25](#) .

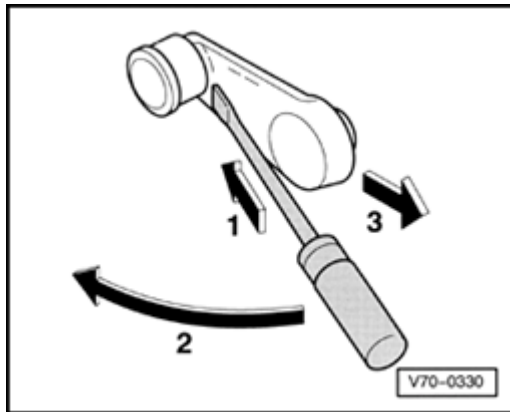


4

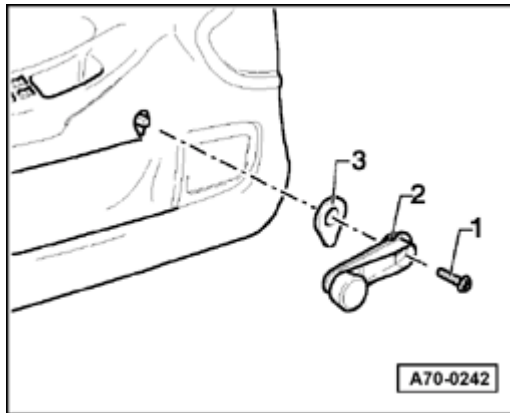
- Press spring -2- in direction of arrow -A- and remove interior door handle -1- toward front.

70-28

Rear manual window crank, removing and installing



- A
- Press in flat side of flat-head screwdriver in direction of arrow -1-.
 - Rotate flat-head screwdriver in direction of arrow -2-.
 - Pull off cover in direction of arrow -3-.



- A
- Remove bolt -1-.
 - Tightening torque: 2.5 Nm (22 in. lb)
 - Remove manual window crank -2- and base -3-.

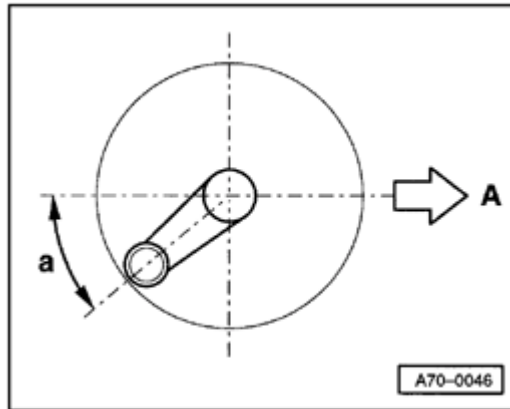
Rear door manual window crank installation position



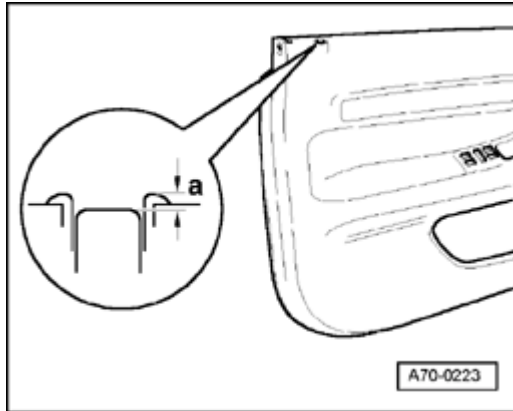
Illustration shows left manual window crank (right-side is mirror of left).

A - Driving direction

a - Installation position with window closed, at $40^{\circ} \pm 20^{\circ}$ angle toward rear.



Release button, adjusting

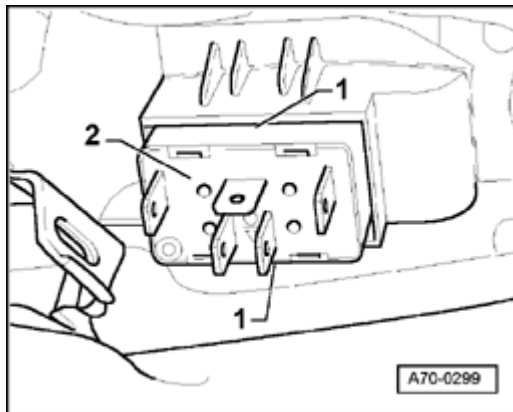


4

- When locked, release lever must not project more than dimension -a-.
- Dimension -a-: 0-2 mm countersunk

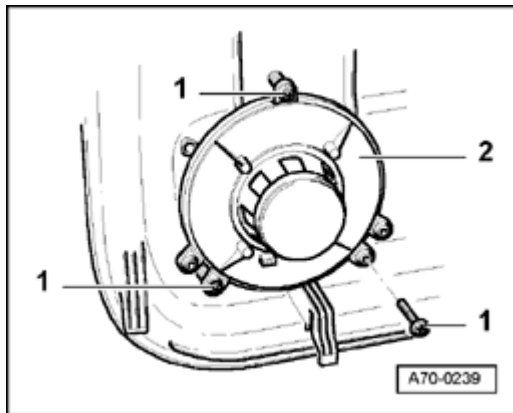
Power window switch, removing and installing

- Remove door trim ⇒ [page 70-25](#) .
- Remove insulation ⇒ [page 70-37](#) .
- Use screwdriver to remove retaining tabs -1-.
- Remove power window switches -2-.



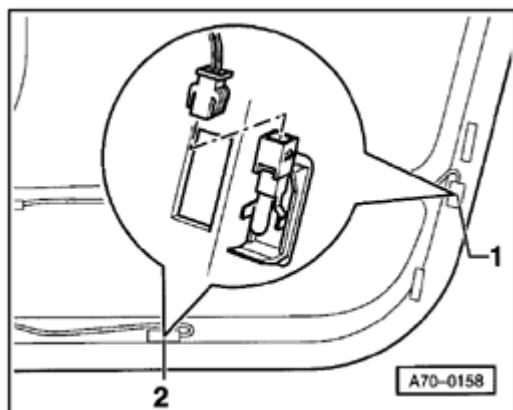
Bass speaker, removing

- Remove door trim ⇒ [page 70-25](#) .
- Remove insulation ⇒ [page 70-37](#) .
- Remove bolts -1- (3x).
Tightening torque: 1.5 Nm (13 in. lb)
- Remove bass speaker -2-.



70-33

Door warning light and footwell lights, removing and installing

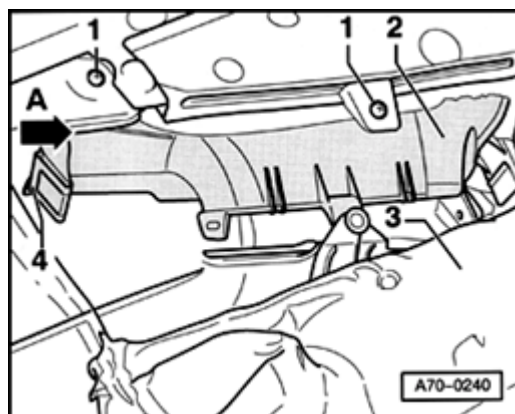


A

- Detach door warning light -1- from below using screwdriver and remove toward outside together with cable.
- Disconnect door warning light -1-.
- Detach footwell lights -2- from front using screwdriver and remove toward outside together with cable.
- Disconnect footwell lights -2-.

Grip handle cover with power window switch unit, removing and installing

- Remove door trim ⇒ [page 70-25](#) .
- Remove insulation ⇒ [page 70-37](#) .
- Pull vapor barrier -3- down in area of trim.

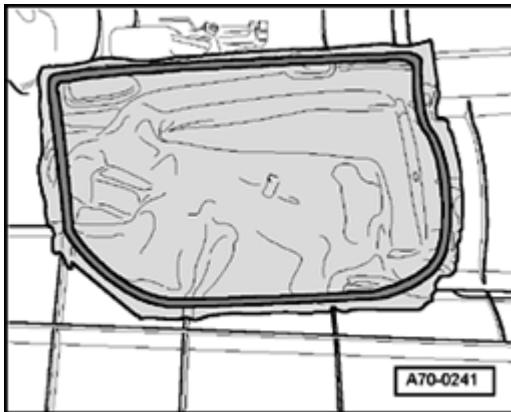


4

- Remove bolts -1- (2x).
Tightening torque: 1.5 Nm (13 in. lb)
- Press both sides of spring -4- in direction of arrow -A-, and remove grip handle cover -2-.

Vapor barrier, removing

- Remove door trim ⇒ [page 70-25](#) .
- Remove insulation ⇒ [page 70-37](#) .

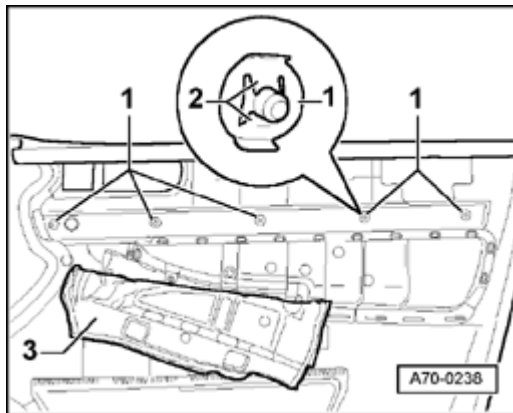


4

- To install, press in vapor barrier -1- in area of adhesive bead -2-.
- Push power window electrical harness connectors through vapor barrier.

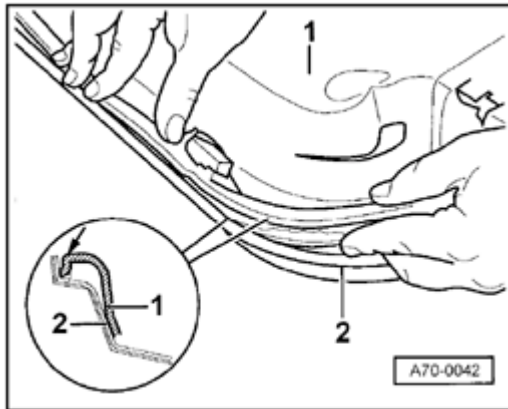
Tim panel in door trim, removing

- Remove door trim ⇒ [page 70-25](#) .
- Remove insulation ⇒ [page 70-37](#) .
- Pull vapor barrier -3- down in area of trim.
- Carefully open clips -2- of clips -1-.
- Remove trim panel.



70-37

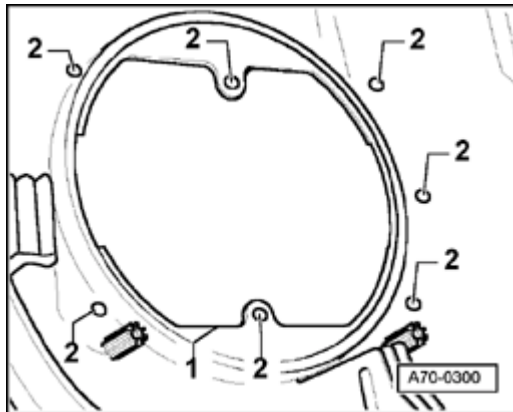
Rear door trim insulation, removing and installing

**A**

- Insulation -1- must be inserted into door trim -2- all around.
- When removing or installing insulation -1-, ensure insulation is not damaged when installing it over retaining tabs or electrical harness connectors.

70-38

Door trim replacement panel for speaker, cutting out

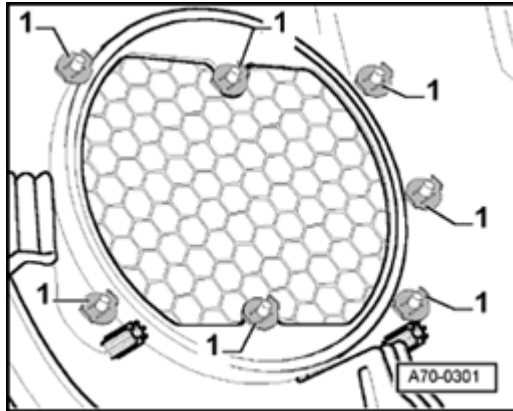


A

- Cut out trim at marking -1- using available tools.
- Drill trim at -2- (7x) using 5 mm drill bit.

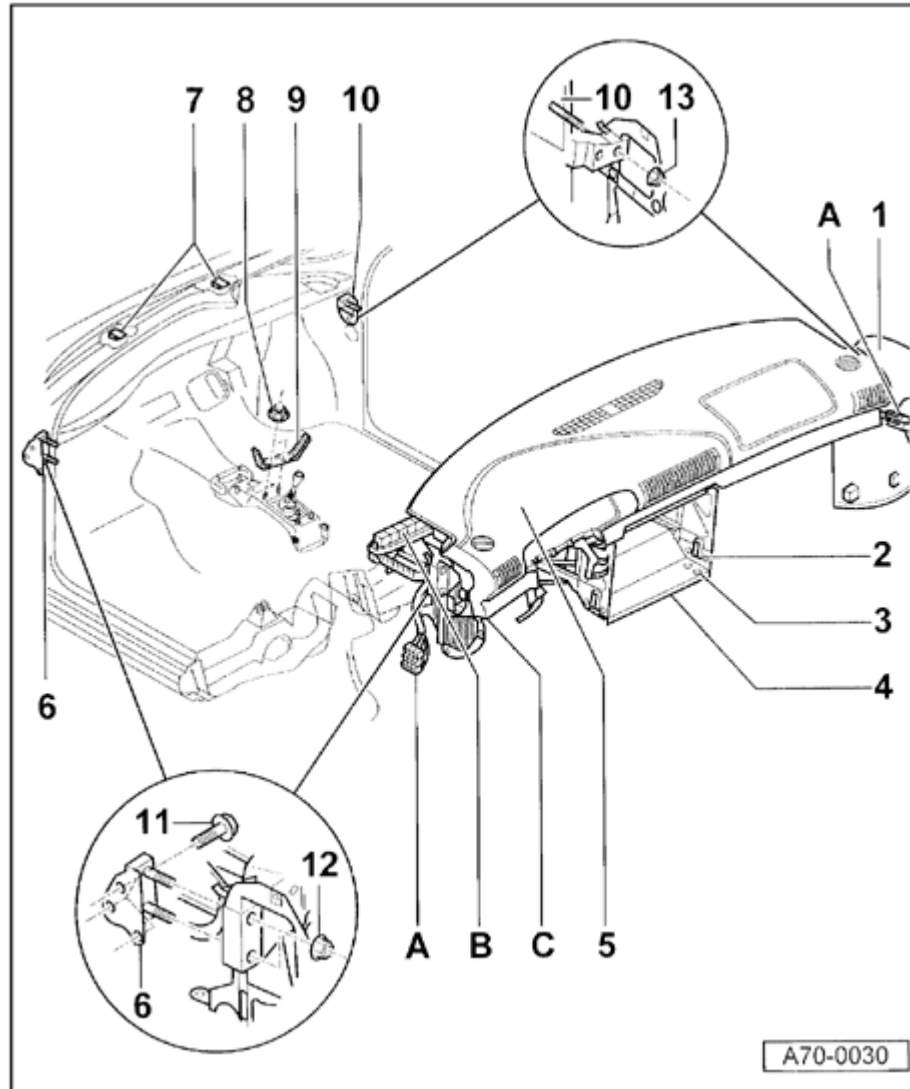
70-39

Speaker trim, installing



- Insert speaker trim from front and secure speaker trim with clips -1- (7x).

70-40



Instrument panel

Instrument panel (with cross member), removing and installing

1 - Cap for instrument panel (2x)

- ◆ Unclip cap

2 - Bolt (4x)

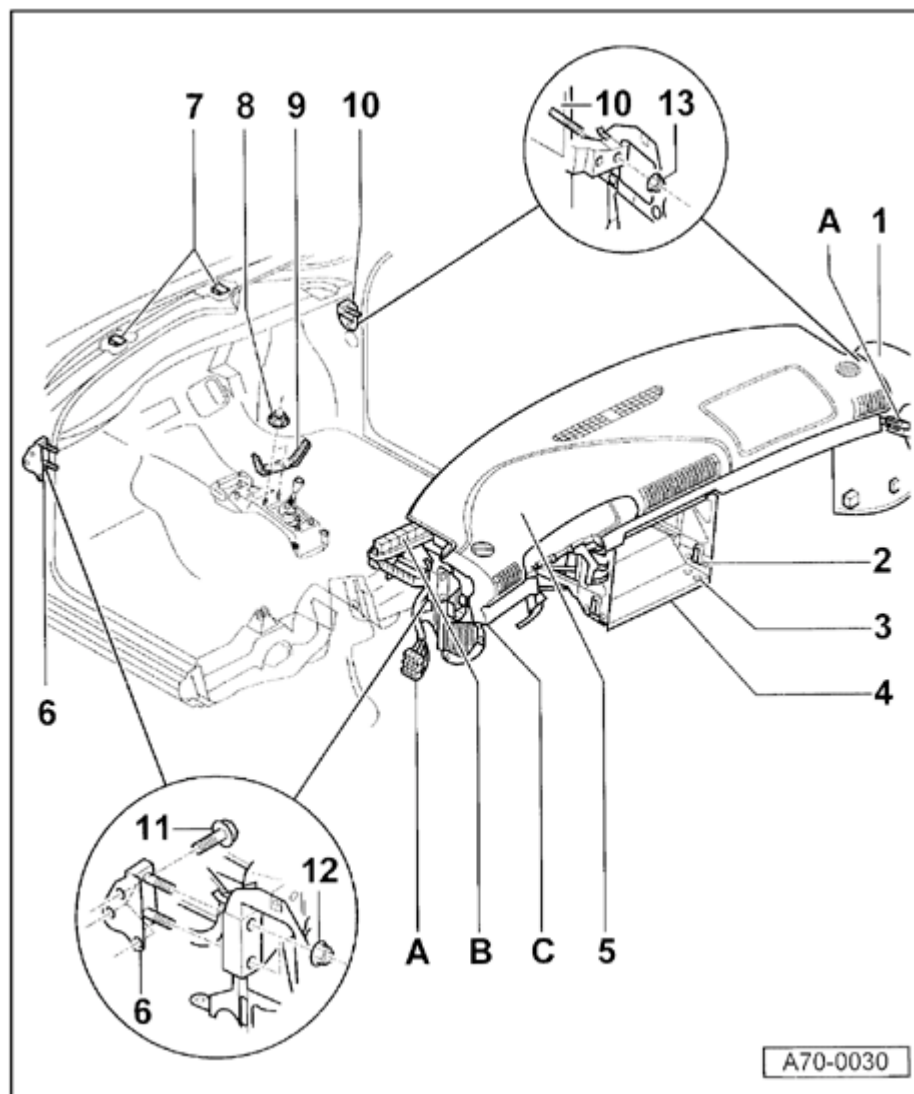
- ◆ 12 Nm (9 ft lb)

3 - Bolt (4x)

- ◆ 12 Nm (9 ft lb)

4 - Bracket

- ◆ Remove bolts -2- and -3-.



5 - Instrument panel with cross member

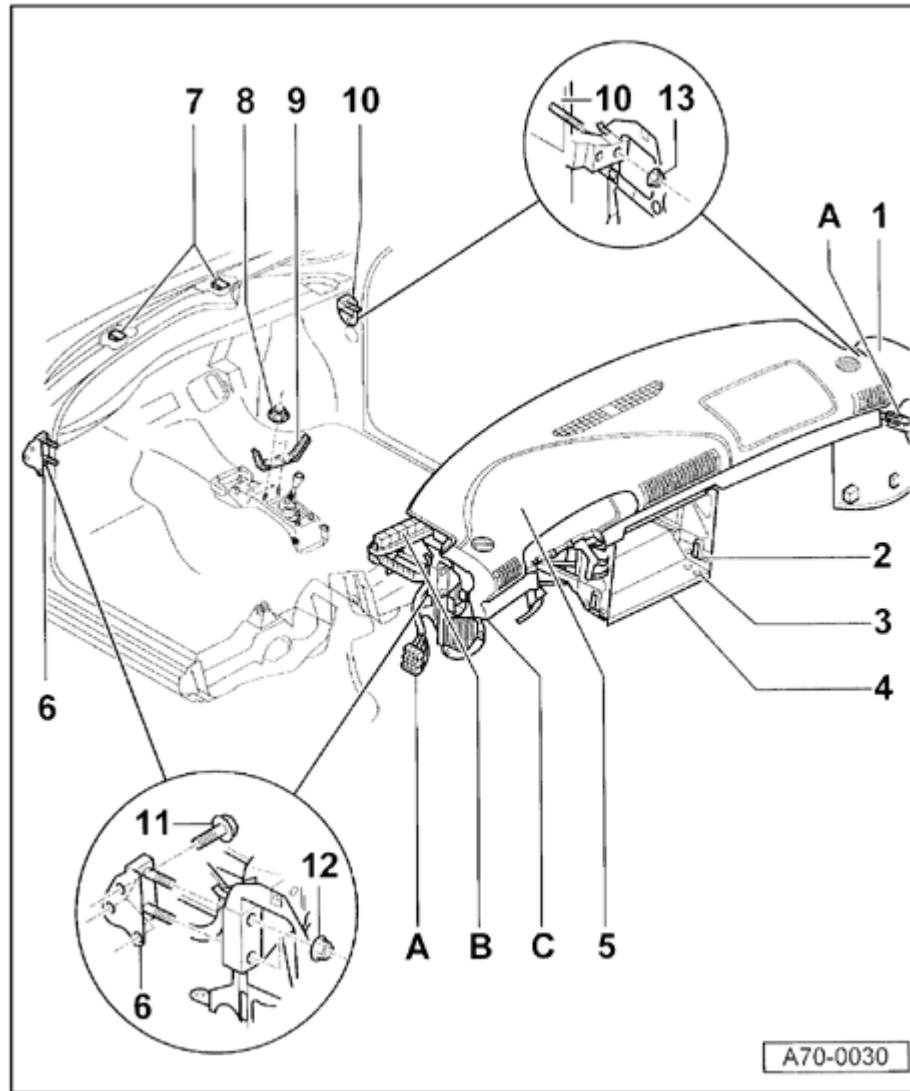
Removing:

- Position windshield wipers to upper-most position.
- Remove steering column brace ⇒ [Fig. 2](#).
- Remove steering wheel ⇒ [page 69-57](#).
- Remove driver-side airbag unit ⇒ [page 69-54](#).
- Remove driver-side knee bolster ⇒ [page 68-8](#).
- Remove passenger-side knee bolster ⇒ [page 68-1](#).
- Remove rear center console ⇒ [page 68-13](#).
- Remove front center console ⇒ [page 68-30](#).
- Remove instrument panel center piece ⇒ [page 68-31](#).
- Remove airbag control module ⇒ [page 69-74](#).
- Disconnect left and right-rear heating ducts in floor well.
- Disconnect coolant hoses and A/C lines (evacuate refrigerant).

⇒ [Repair Manual, Heating & Air Conditioning,
Repair Group 87](#)

- Remove rubber grommet.
- Remove lower A-pillar trim ⇒ [page 70-72](#) .

70-42



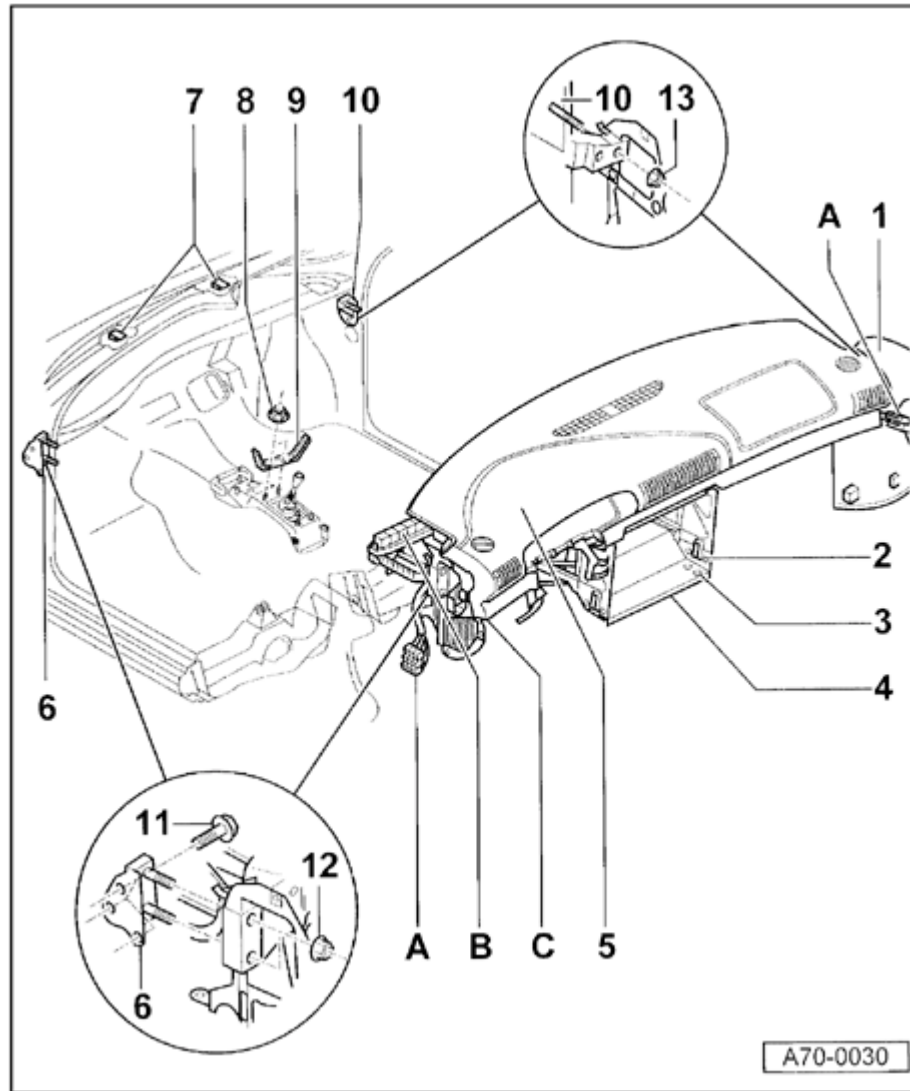
- Disconnect wiring at connector stations in left and right A-pillars (item -A-).
- Disconnect electrical harness connectors in item -B-.

⇒ [Repair Manual, Electrical Equipment, Repair Group 97.](#)

- Disconnect positive wiring at relay station (item -C-).
- Disconnect negative connection (item -C-).
- Disconnect wiring in area of center tunnel.
- Disconnect electrical and vacuum connections for brake light switch and cruise control system at pedal assembly.
- Remove bolts -2- and -3- as well as bracket -4-.
- Remove nuts -8- and bracket -9-.
- Disconnect pedal assembly from instrument panel cross member ⇒ [Fig. 1](#).
- Disconnect lower part of steering column from steering gear and secure ⇒ [Fig. 1](#).
- Remove nuts -12- and -13-.

- Cover both seats to protect them from damage.
- Pull instrument panel forward and pull out clips -7- with help from second technician.

70-43



Installing:

- ◆ Installation is the reverse of removal

Adjusting:

- ◆ Instrument panel with cross member must be centered in vehicle

6 - Angle bracket

- ◆ With felt base

7 - Retaining clip (2x)

8 - Nut (2x)

9 - Bracket

10 - Angle bracket

11 - Bolts (5x)

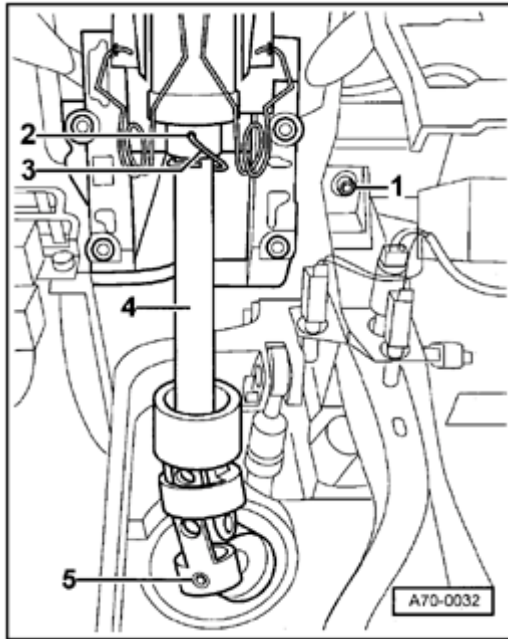
- ◆ Left-side (3x)
- ◆ Right-side (2x)
- ◆ 23 Nm (17 ft lb)

12 - Nut (2x)

- ◆ 45 Nm (33 ft lb)

13 - Nut (2x)

- ◆ 45 Nm (33 ft lb)

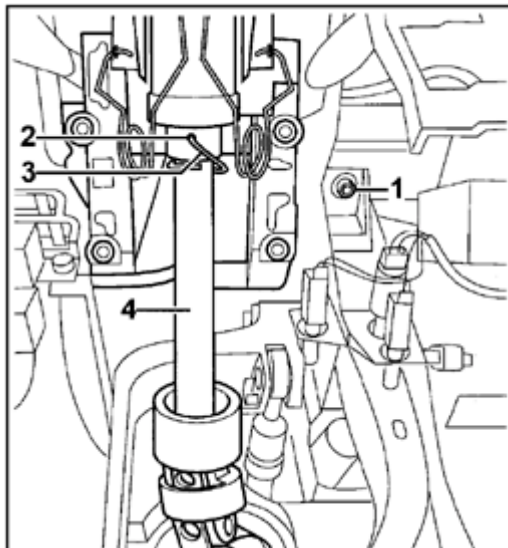


A

Fig. 1 Disconnecting pedal assembly

- Remove bolt -1-.

Tightening torque: 25 Nm (18 ft lb)



A

Removing lower section of steering column

- Remove bolt -5- and fold down joint.

Tightening torque: 40 Nm (30 ft lb)

Note:

The steering column joint can only be attached in one position when

installing.

⇒ [Repair Manual, Suspension, Wheels, Steering, Repair Group 48.](#)

- Push back steering column (lower section) -4- until hole 2 in steering column (upper section) covers hole in steering column (lower section).
- Insert welding wire -3- in hole -2- and secure by wrapping once around steering column.

CAUTION!

Do NOT under any circumstances pull steering column -4- out completely or push it in completely (⇒ Repair Manual, Suspension, Wheels, Steering).

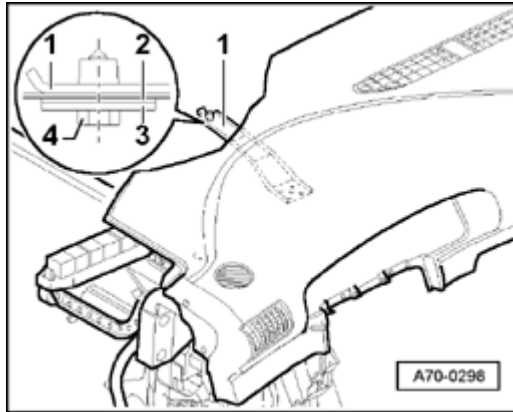
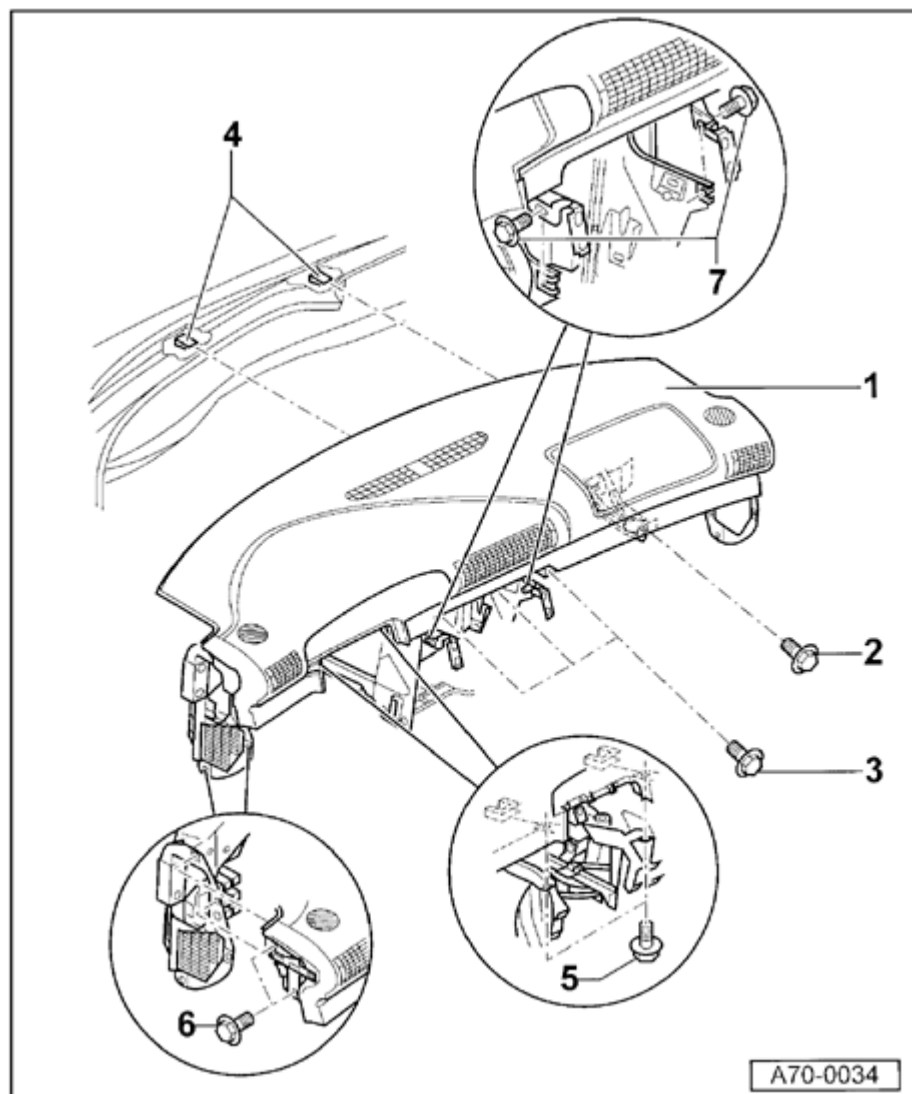


Fig. 2 Removing steering column brace

Note:

Steering column brace used 5/98 ➤; bolt for steering column brace is in the plenum panel, on the driver-side above the windshield wiper motor.

- Remove bolt -4-.
- Tightening torque: 8 Nm (71 ft lb)
- Remove washer -3- and gasket -2-.
- If necessary when installing, use drift to align brace -1- to hole in bulkhead.



Instrument panel, removing and installing

1 - Instrument panel

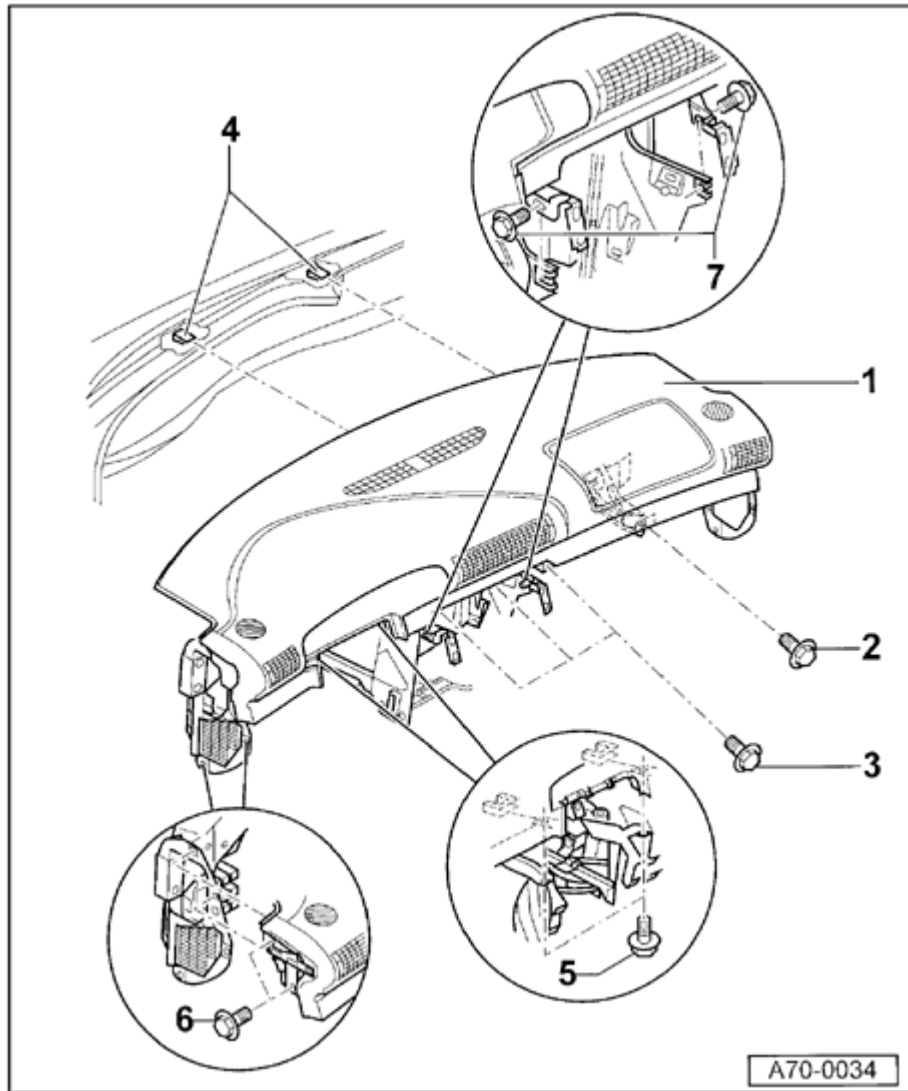
Removing:

- Remove driver-side knee bolster ⇒ [page 68-8](#) .
- Remove passenger-side knee bolster ⇒ [page 68-1](#) .
- Remove rear center console ⇒ [page 68-13](#) .
- Remove front center console ⇒ [page 68-30](#) .
- Remove instrument panel center piece ⇒ [page 68-31](#) .
- Remove driver-side airbag unit ⇒ [page 69-54](#) .
- Remove steering wheel ⇒ [page 69-57](#) .
- Remove passenger-side airbag unit ⇒ [page 69-70](#) .
- Remove steering column cover ⇒ [page 68-11](#) .
- Remove bolts -2-, -3-, -5-, -6-, and -7-.
- To remove, pull instrument panel out of brackets -4-.

Note:

Always replace instrument panel after passenger airbag has deployed.

70-47



Installing:

- ◆ Installation is the reverse of removal

Adjusting:

- ◆ Instrument panel must be centered in vehicle

2 - Bolt

- ◆ 5 Nm (44 ft lb)

3 - Bolts (3x)

- ◆ 5 Nm (44 ft lb)

4 - Brackets (2x)

- ◆ With felt base

5 - Bolts (2x)

- ◆ 5 Nm (44 ft lb)

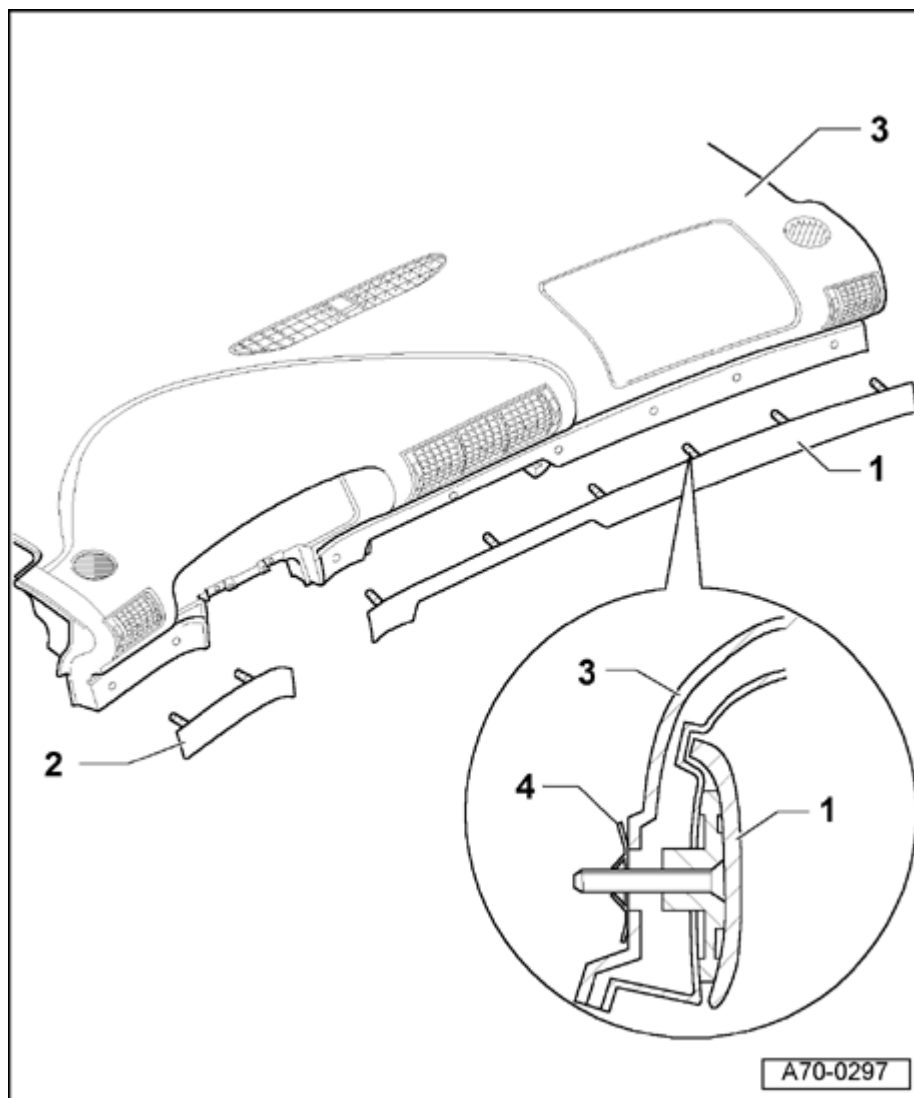
6 - Bolts (2x)

- Remove bolts on left and right-side of instrument panel.

- ◆ 5 Nm (44 ft lb)

7 - Bolts (2x)

- ◆ 5 Nm (44 ft lb)



Instrument panel trim, removing and installing

1 - Trim, passenger-side

- Remove driver-side knee bolster ⇒ [page 68-8](#) .
- Remove passenger-side knee bolster ⇒ [page 68-1](#) .
- Remove rear center console ⇒ [page 68-13](#) .
- Remove front center console ⇒ [page 68-30](#) .
- Remove instrument panel center piece ⇒ [page 68-31](#) .
- Remove clips -4- using screwdriver.

2 - Trim, driver-side

- Remove driver-side knee bolster ⇒ [page 68-8](#) .
- Remove clips -4- using screwdriver.

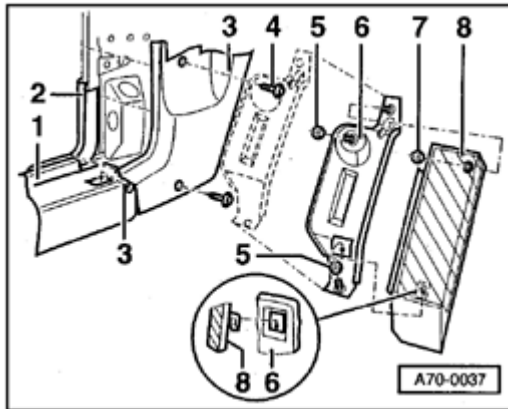
3 - Instrument panel

4 - Clip

70-72

Trim (general)

Lower A-pillar trim, removing and installing



- To remove, remove A-pillar bolts 4 (2x).
Tightening torque: 1.5 Nm (13 in. lb)
- Remove door seal -2- in area of A-pillar trim.
- Pull A-pillar trim -3- from door sill molding -1-.

Foot rest and foot rest support bracket, removing and installing

Removing foot rest

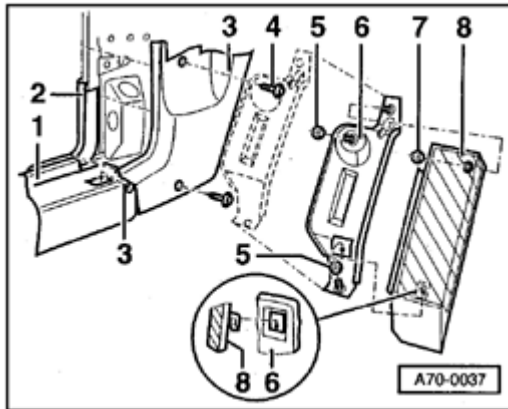
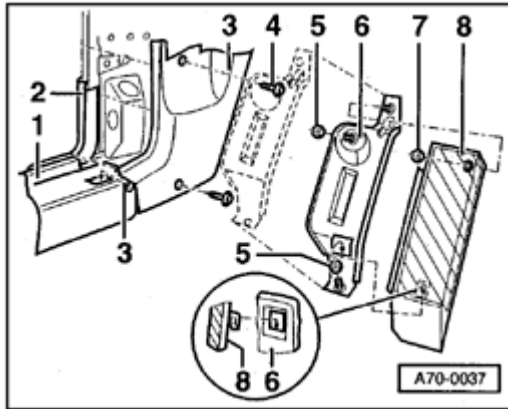


- Remove lower A-pillar trim ⇒ [page 70-72](#) .
- To remove foot rest -8-, remove nuts -7- and pull up and out of bracket -6-.

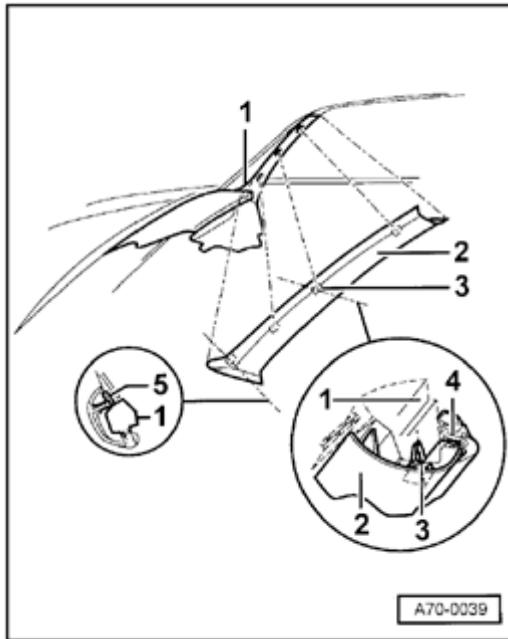
Removing foot rest support bracket



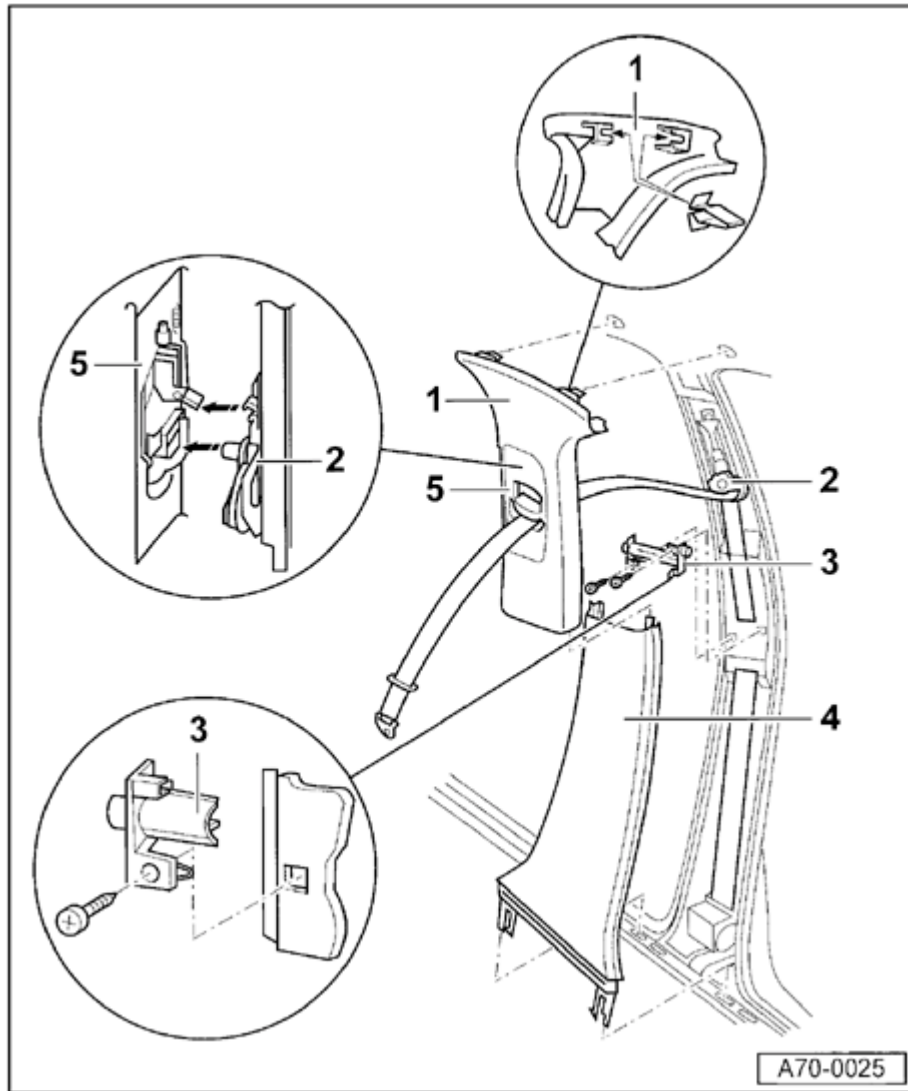
- Remove foot rest.
- Pull up floor mat in area near bracket for foot rest.
- To remove bracket -6-, remove nuts -5- (2x).



Upper A-pillar trim, removing and installing

**A**

- Unclip retaining clips -3- from top to bottom from A-pillar trim -2-.
- Door seal -4- must lie on top of A-pillar trim -2- as shown in magnified area.
- Insert lower A-pillar trim in retaining clips -5-.



B-pillar trim, removing and installing

1 - Upper B-pillar trim

Removing:

- Unclip upper B-pillar trim -1- ⇒ [Fig 2](#) .
- Pull B-pillar trim -1- upward out of B-pillar trim -4-.
- Disconnect three-point seat belt at door sill ⇒ [page 69-13](#) .
- Remove three-point seat belt from B-pillar trim -1-.

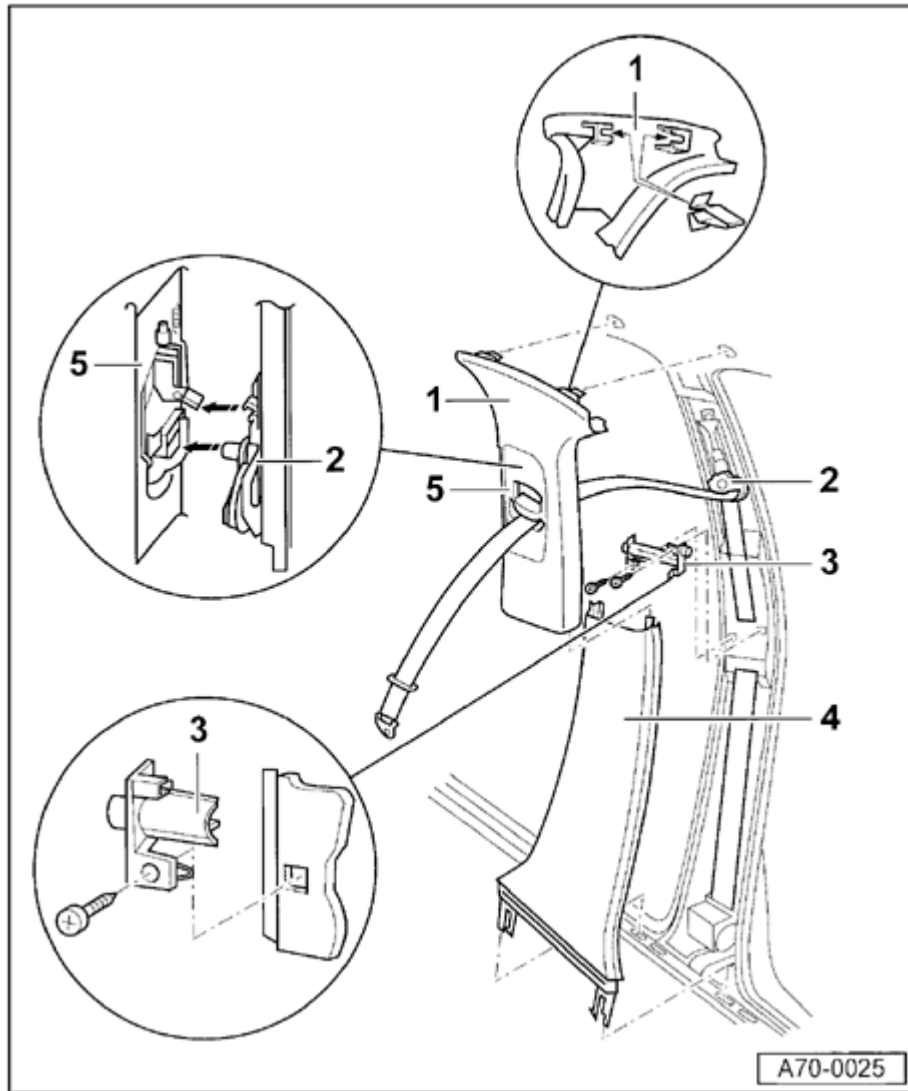
Installing:

- Insert B-pillar trim -1- into B-pillar trim -4- .

Note:

Do not press button when installing.

- Install upper B-pillar trim.
- Insert seat belt guide -5- into seat belt height adjuster ⇒ [Fig 1](#) .

**Notes:**

Function check after installing trim:

- ◆ *Height adjuster must audibly engage into all five of the possible positions (even in the top position).*
- ◆ *Switch must return by itself to released position after being actuated.*

2 - Anti-twist stop**3 - Belt guide****4 - Lower B-pillar trim**

Removing:

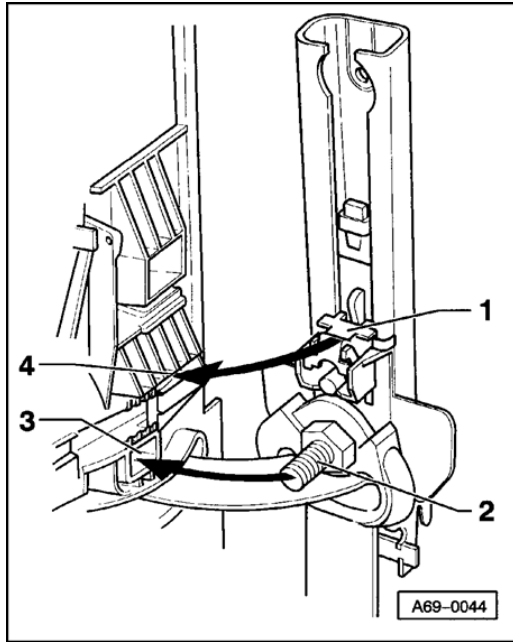
- Remove upper B-pillar trim -1- (do not detach three-point seat belt).
- Push back retaining tabs (2x) for B-pillar trim at door sill.
- Remove trim -4- upward and detach from belt guide -3-.

Installing:

- ◆ Installation is the reverse of removal

5 - Seat belt height adjuster trim

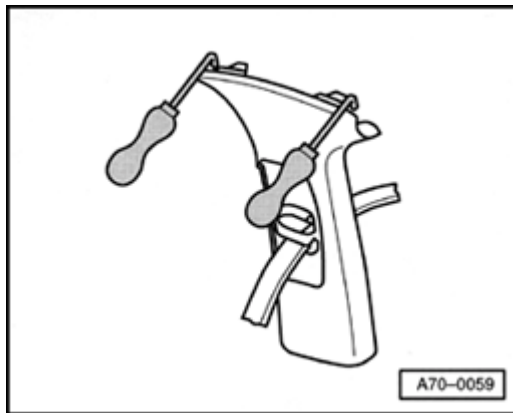
70-77



A

Fig. 1 Installing upper B-pillar trim in belt height adjuster

- Guide slide with button -4- (without pressing) beginning at top and working downward into release lever -1- of height adjuster, while simultaneously installing pin -2- into mounting -3-.



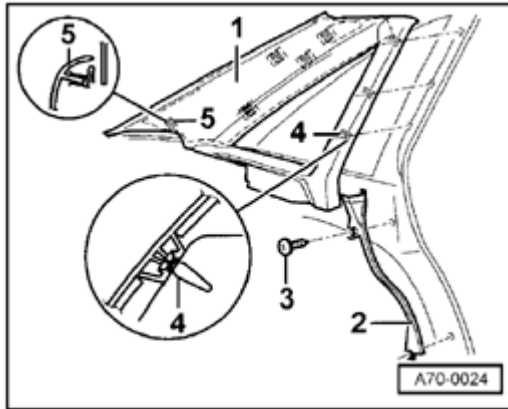
A

Fig. 2 Removing B-pillar trim

- To make removal easier, use two assembly hooks -2-.
- Install assembly hooks near retaining clips.

C/D-pillar trim, removing and installing

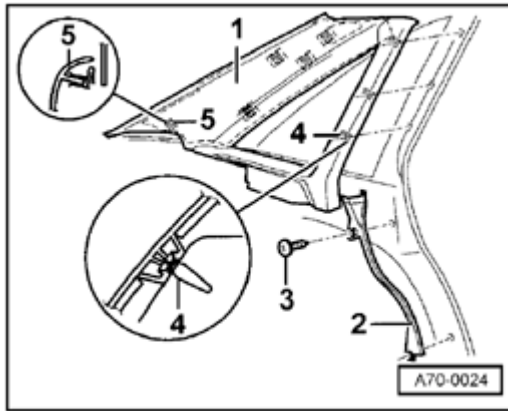
- Remove rear seatback.
- Detach trim -1- from top to bottom out of clips -4- (7x).
- Remove trim -1- upward and out of bracket -5-.



70-79

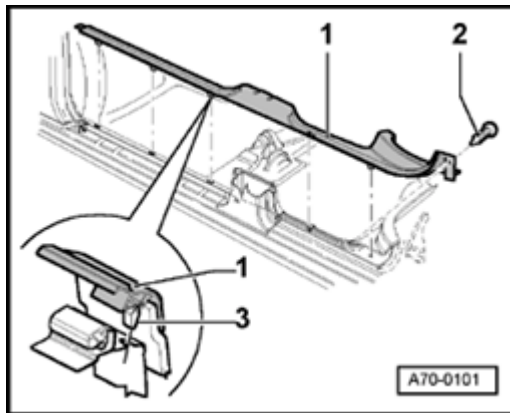
Lower C-pillar trim, removing and installing

- Remove rear seatback.
- Remove bolt -3-.
- Tightening torque: 1.5 Nm (13 in. lb)
- Remove trim -2-.



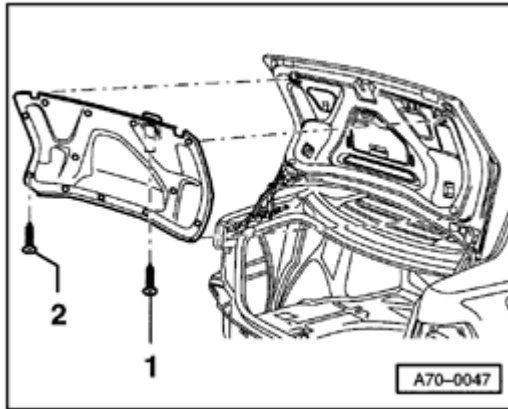
Door sill, removing and installing

- Remove lower A-pillar trim.
- Remove metal screw -2-.
- Remove door sill -1- upward together with clips -3-.

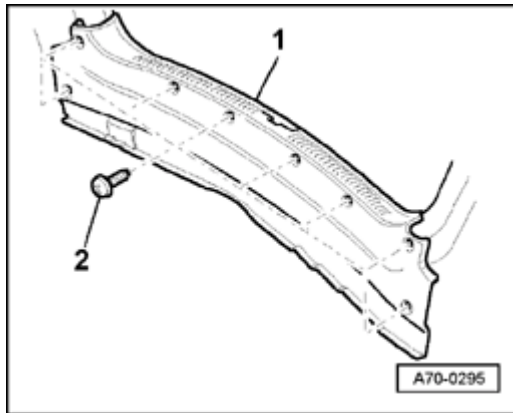


Trunk lid trim, removing and installing

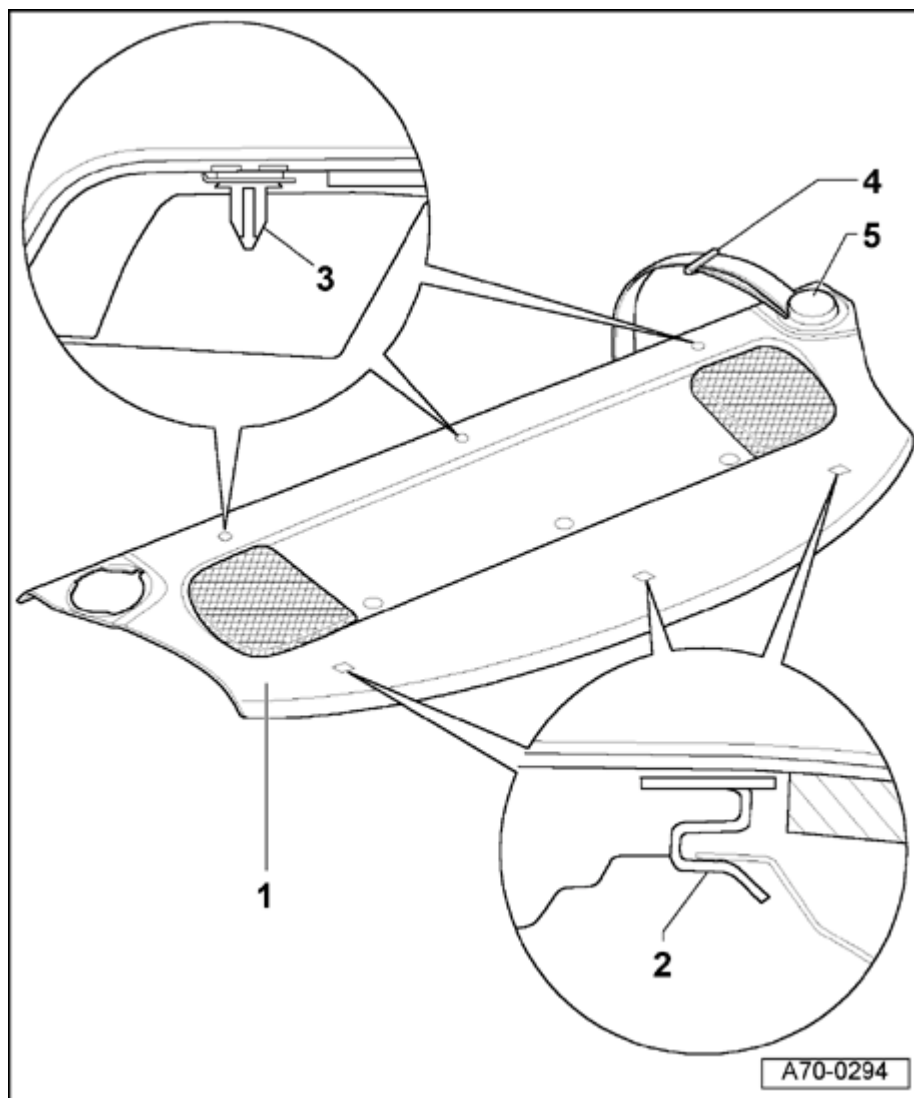
- Remove warning triangle.
- Remove bolts -1- (2x).
- Remove bolts -2- (12x) (match trim color) and remove trim.



Rear panel trim, removing and installing



- Remove bolt -2- (8x).
Tightening torque: 2 Nm (18 in. lb)
- Remove rear panel trim -1- up and out.



Rear shelf (Sedan), removing and installing

1 - Rear shelf

Removing:

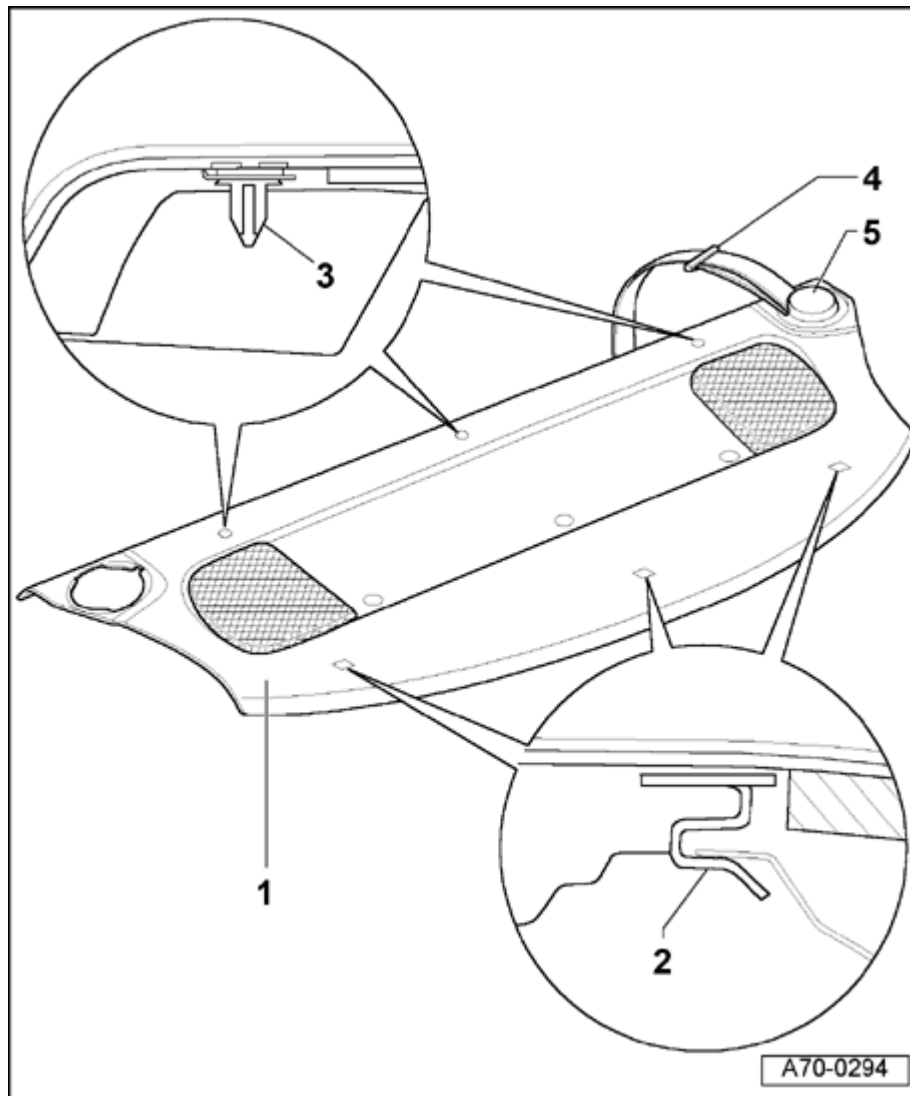
- Remove left and right-rear lower seat belt mounting ⇒ [page 69-15](#) .
- Remove left and right-rear side cover ⇒ [page 72-75](#) .
- Unclip cover -5- and guide -4- of left and right-rear three-point seat belts ⇒ [page 70-85](#) .
- For vehicles with third brake light, disconnect harness connector to third brake light in trunk.
- Unclip clips -3- (3x) by carefully lifting rear shelf.
- Pull rear shelf forward and remove.

Installing:

- When installing, slide rear shelf -1- in while pressing down slightly until clips -3- (3x) engage.
- Engage clips -3- (3x).

◆ Rest of installation is reverse of removal

70-84

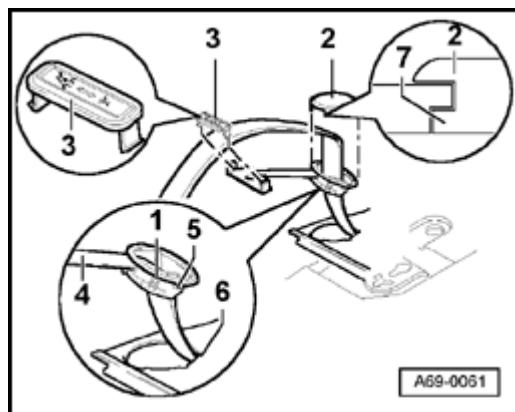
**2 - Clips (3x)****3 - Clips (3x)****4 - Guide****5 - Cover**

Rear belt adjuster, removing and installing

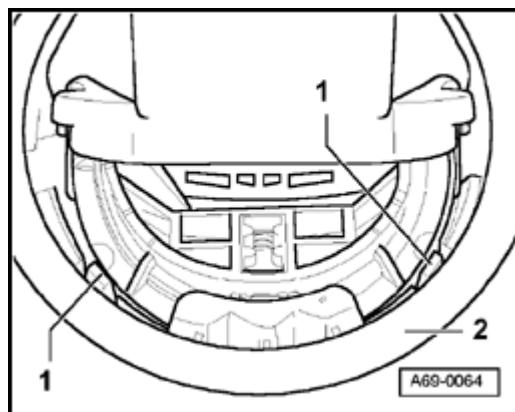
Removing

Note:

It is not necessary to remove the rear shelf when removing the rear belt adjuster.



- ⚠ - Undo lower anchoring point of rear three-point seat belt.
Tightening torque: 50 Nm (37 ft lb)
- Unclip belt guide cover -3-.
- Detach belt adjuster cover -2- at left and right of retaining tab -7-.
- Swing belt adjuster -4- with belt webbing upward.

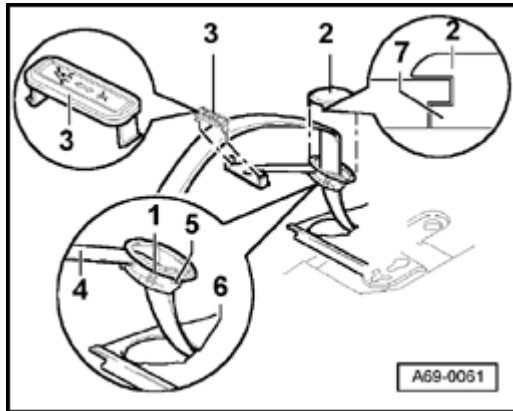


- ⚠ - Use screwdriver to press retaining tab -1- (2x) inward while simultaneously pulling up on belt adjuster -2-.
- Pull belt webbing through belt adjuster -2-.

Installing

4

- Make sure retaining tabs -1- (2x) fully engage.
 - Make sure rear lug engages in notch -6-.
- Adjustment locking device -5- must point toward center of vehicle.



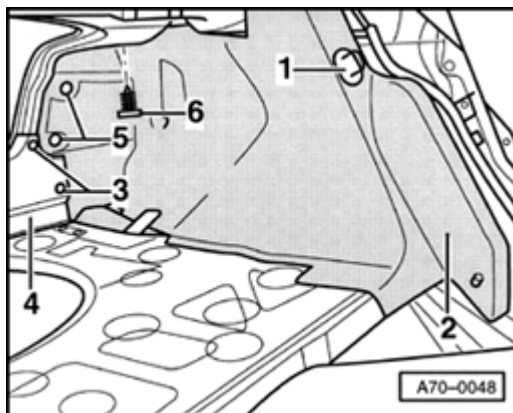
Left and right-side trunk trim, removing and installing

Foldable rear backrest

- Remove side cover ⇒ [page 72-75](#) .

Split-foldable rear seat, removing and installing
⇒ [page 72-60](#)

- Remove on-board tool kit and jack.



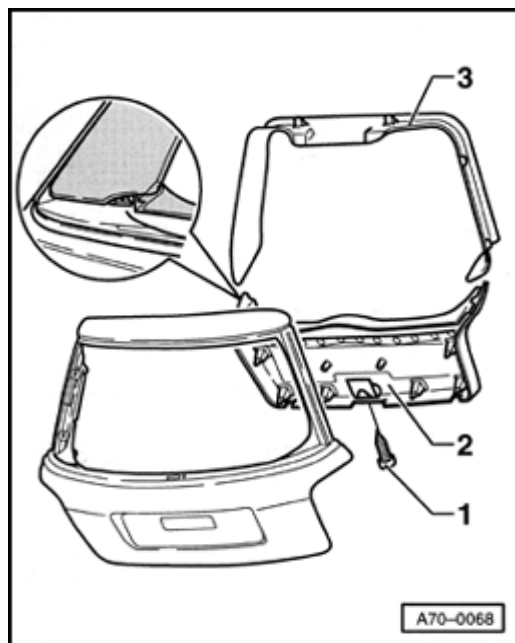
A

- Remove cover -1- for latch bracket and remove trim -2-.
- Remove plastic clips -5- (2x) at tail light.
- Remove screws -3- for loading edge cover -4-.
- Tightening torque: 1.5 Nm (13 in. lb)
- Unclip clip -6- at left side reinforcement.
- Raise loading edge trim -4- slightly and pull out trim -2-.
- Tilt trim toward center of vehicle and remove.

70-98

Trim (Avant)

Tailgate trim, removing and installing

**A**

- Remove bolt -1-.
- Tightening torque: 1.2 Nm (10 in. lb)
- Unclip lower tailgate trim -2-.
- Unclip upper tailgate trim -3-.

Note:

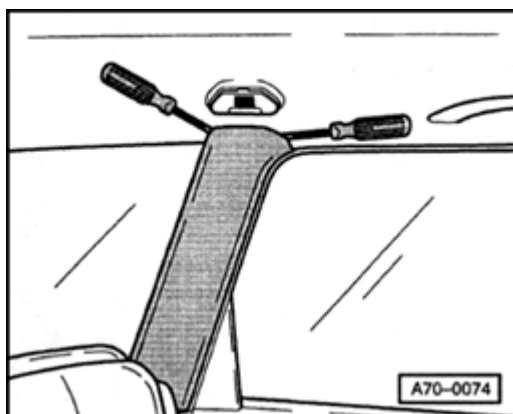
When installing the lower trim, guide bars must be inserted in upper trim.

C-pillar trim, removing and installing

- Remove side panel ⇒ [page 72-75](#) .
- Remove side trim ⇒ [page 70-102](#) .
- Remove C-pillar trim using assembly hooks.

Note:

When installing, ensure retaining clips are positioned properly.

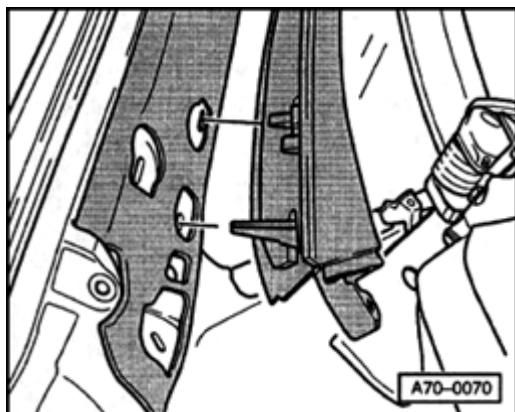


D-pillar trim, removing and installing

- Remove side panel ⇒ [page 72-75](#) .
- Remove side trim ⇒ [page 70-102](#) .

Removing

- Remove D-pillar trim (use assembly hooks for easier removal).



Installing

- Install trim at roof panel trim, guide centering drift to centering hole and position retaining clips.



- Swing D-pillar trim in direction of arrow and attach to body.

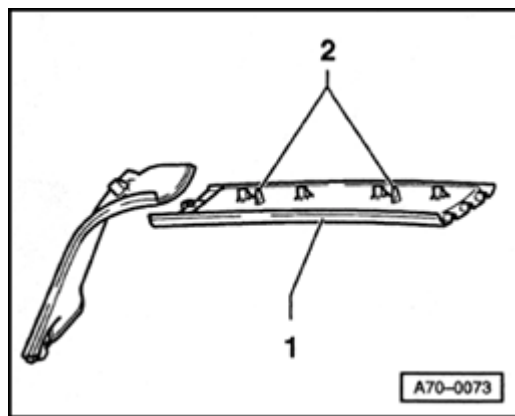
CAUTION!

- ♦ *When installing D-pillar trim, it must be inserted in roof panel trim groove.*

- ♦ *Current retaining clips are not right-angled. If clips were separated from D-pillar trim during removal, they must be repositioned at the correct angle.*

Roof panel trim, removing and installing

- Remove side panel ⇒ [page 72-75](#) .
- Remove rear panel trim ⇒ [page 70-103](#) .
- Remove side trim ⇒ [page 70-102](#) .
- Remove D-pillar trim -3- ⇒ [page 70-100](#) .
- Remove bolts (arrow) 2x and unclip trim -1- .
Tightening torque: 1.5 Nm (13 in. lb)



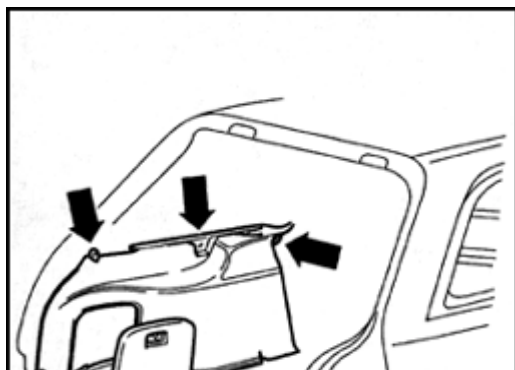
Note:

To install, insert centering drifts in locating holes -2- and correctly position retaining clips.

Left and right-side trim, removing and installing

- Remove side panel ⇒ [page 72-75](#) .
- Remove tailgate seal in area of loading edge/side panels.
- Remove loading edge ⇒ [page 70-103](#) .
- Lift front edge of cover for seat belts and unclip.
- Lift up cover for latch bracket for rear backrest.
- Remove cap.

Disassembling tie-down ⇒ [page 70-104](#) .



4

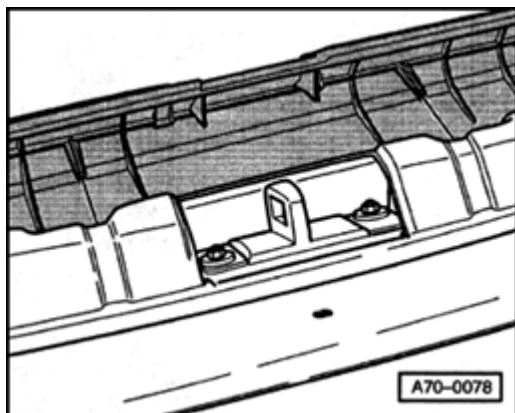
- Remove bolts (arrow).
Tightening torque: 1.5 Nm (13 in. lb)
- Unclip side trim and pull up and over belt guide and latch bracket.
- If changing completely, disassemble seat belt webbing underneath rear seat.

Installation is the reverse of removal.

Rear panel trim, removing and installing

- Remove tailgate seal in area near trim.
- Remove bolts (2x).

Tightening torque: 1.5 Nm (13 in. lb)



A

- Remove rear panel trim upward.

Note:

When installing, install centering drifts in locating holes and position retaining clips properly.

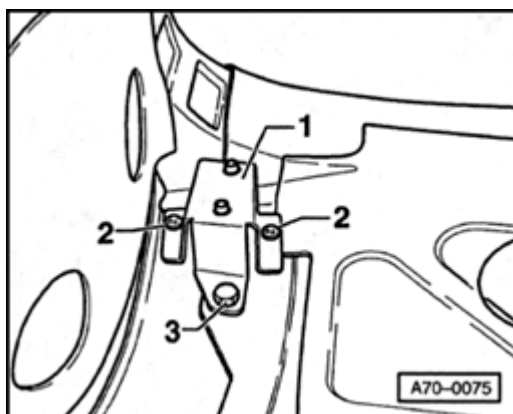
Tie-down (Avant), removing and installing

- Remove bolts (2x) for each tie-down.

Tightening torque: 4.5 Nm (40 in. lb)

- Remove trunk mat.
- Remove side trim ⇒ [page 70-102](#) .
- Remove trunk mat backing and brackets for front and rear tie-downs.

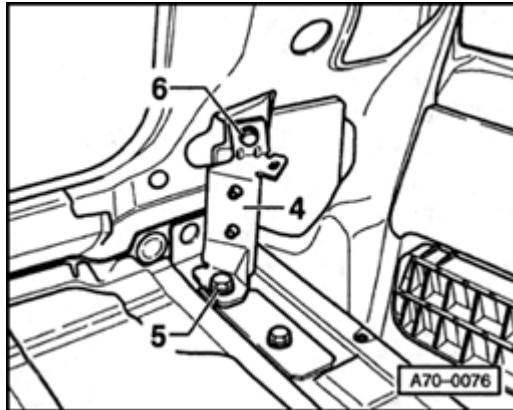
Installation is the reverse of removal



Tightening torques for front brackets:

Phillips-head screw (2x with front-wheel drive; 4x with all wheel drive):
6 Nm (53 in. lb)

Hex bolt (1x - only for front wheel drive): 30 Nm (22 ft lb)



4 Tightening torques for rear brackets:

Bolt in floor: 23 Nm (17 ft lb)

Bolt in rear panel: 10 Nm (7 ft lb)

72-1

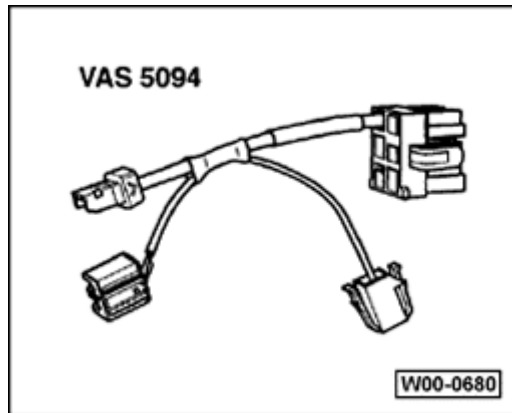
Front seats

Special tools and equipment



VAS 5094 airbag adapter

Connecting ⇒ [page 72-9](#) .



Front seats, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

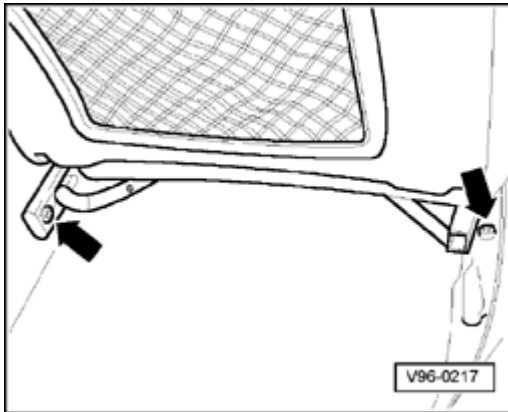
Notes:

- ◆ *Slight changes may have to be made to the removal and installation procedures, depending upon the equipment installed in vehicle.*
- ◆ *For memory and power seats, move seat fully up and back before disconnecting the battery.*
- ◆ *Before disconnecting the battery, determine the radio code.*

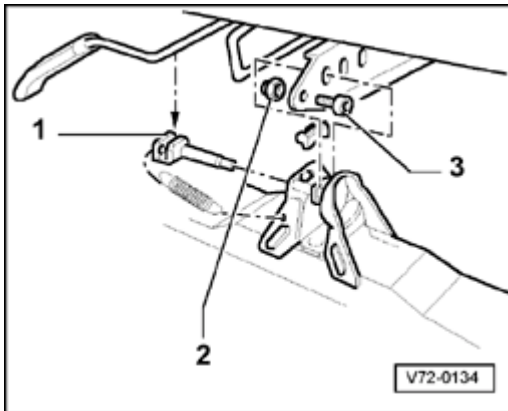
WARNING!

Before removing seat, disconnect battery Ground (GND) strap.

- Push seat forward.

**A**

- Remove cap (right arrow) and remove Phillips-head screw located under cap.
- Remove screw (left arrow) and remove stopper toward rear.

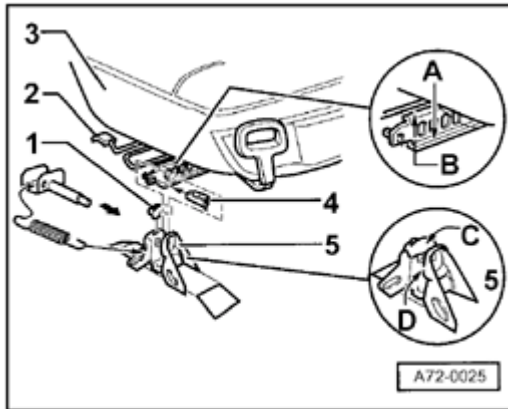
**A**

- Remove cap nut -2- and socket-head screw -3-.
Tightening torque: 8 Nm (71 ft lb)
- Release retaining rod -1- and pull seat toward rear out of guide rails.

Note:

The attachment with socket-head screw -3- is replaced by a stop spring as a running change.

72-4



4

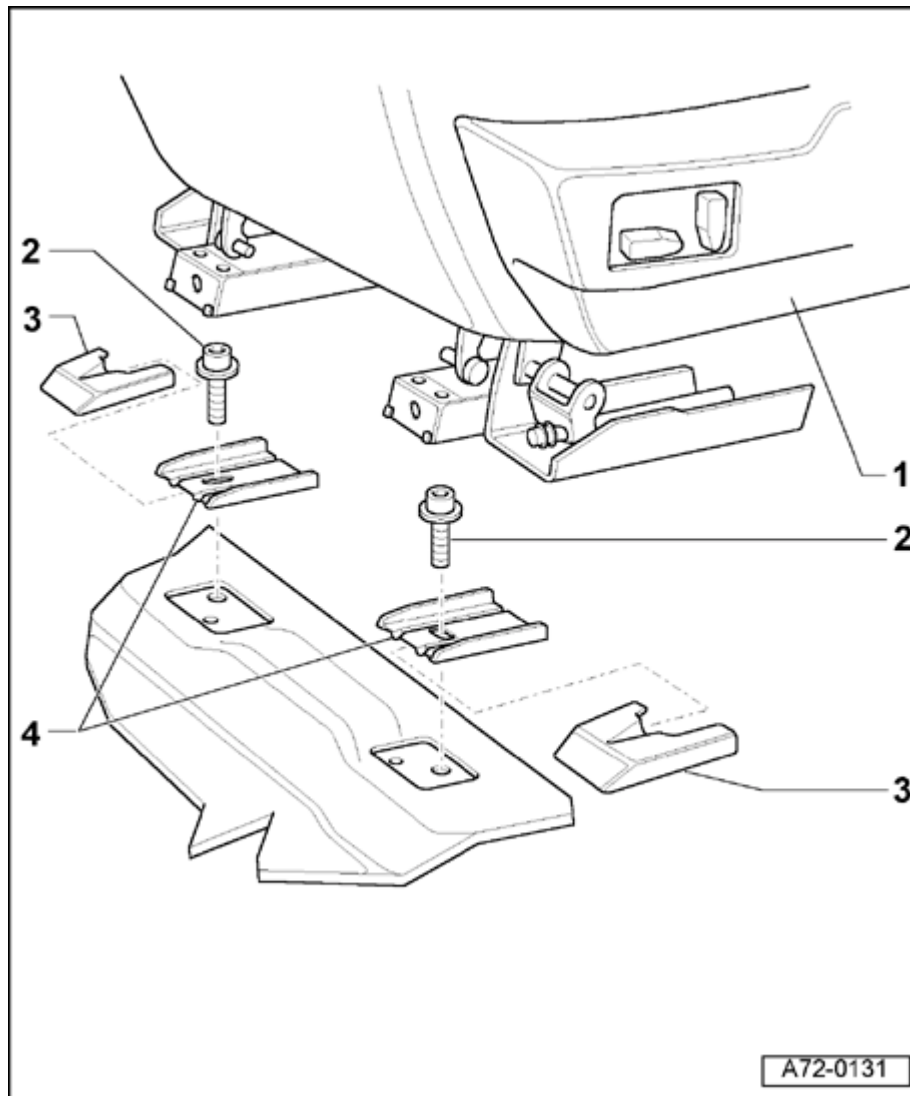
- Unclip stop spring -4-.
- Pull release lever up and push out seat -3- to rear.

Note:

For vehicles with heated seats, disconnect the harness connector.

CAUTION!

When sliding seat out of guide rails, ensure that carpeting is not ripped.



Front power seats, removing and installing

WARNING!

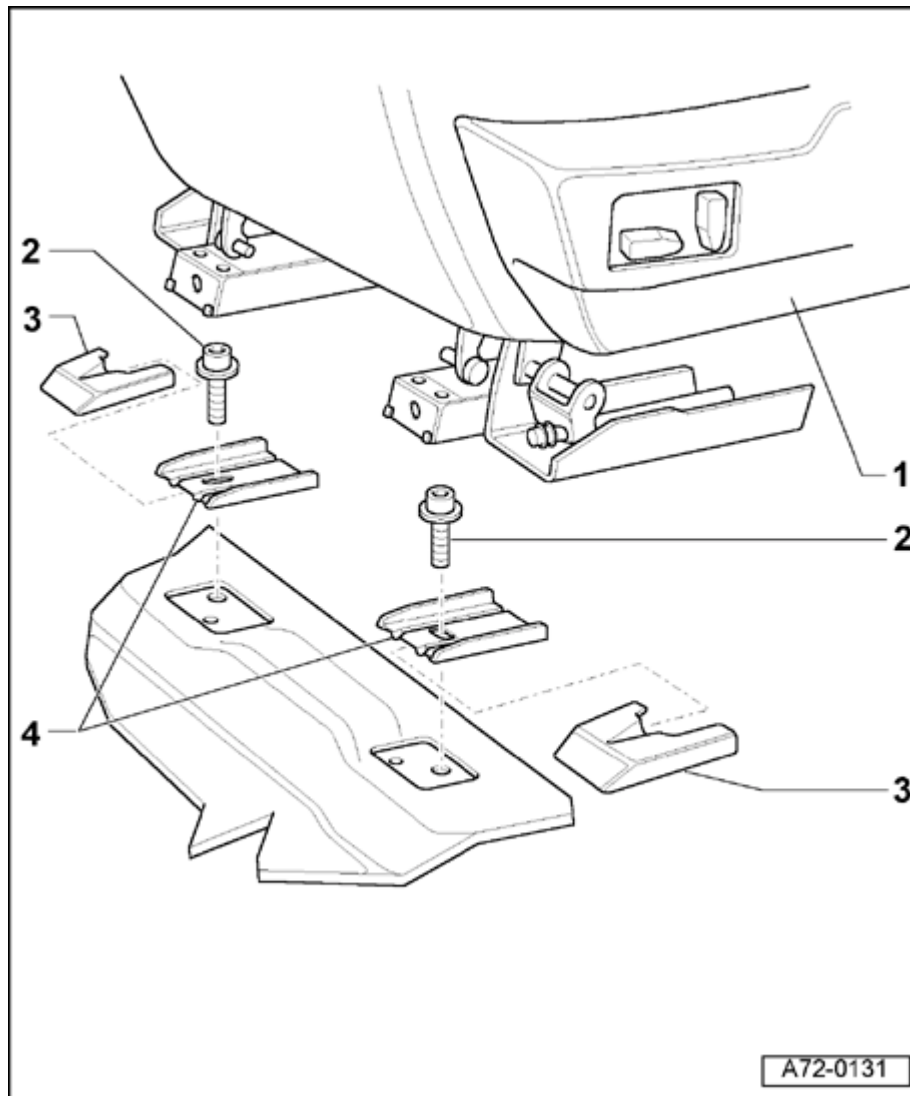
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

Notes:

- ◆ Slight changes may have to be made to removal and installation procedures, depending upon equipment installed in vehicle.
- ◆ For power seat, move seat fully up and back before disconnecting battery.
- ◆ Before disconnecting battery, determine radio code.

WARNING!

Disconnect battery Ground (GND) strap before removing seat.

**1 - Front seat**

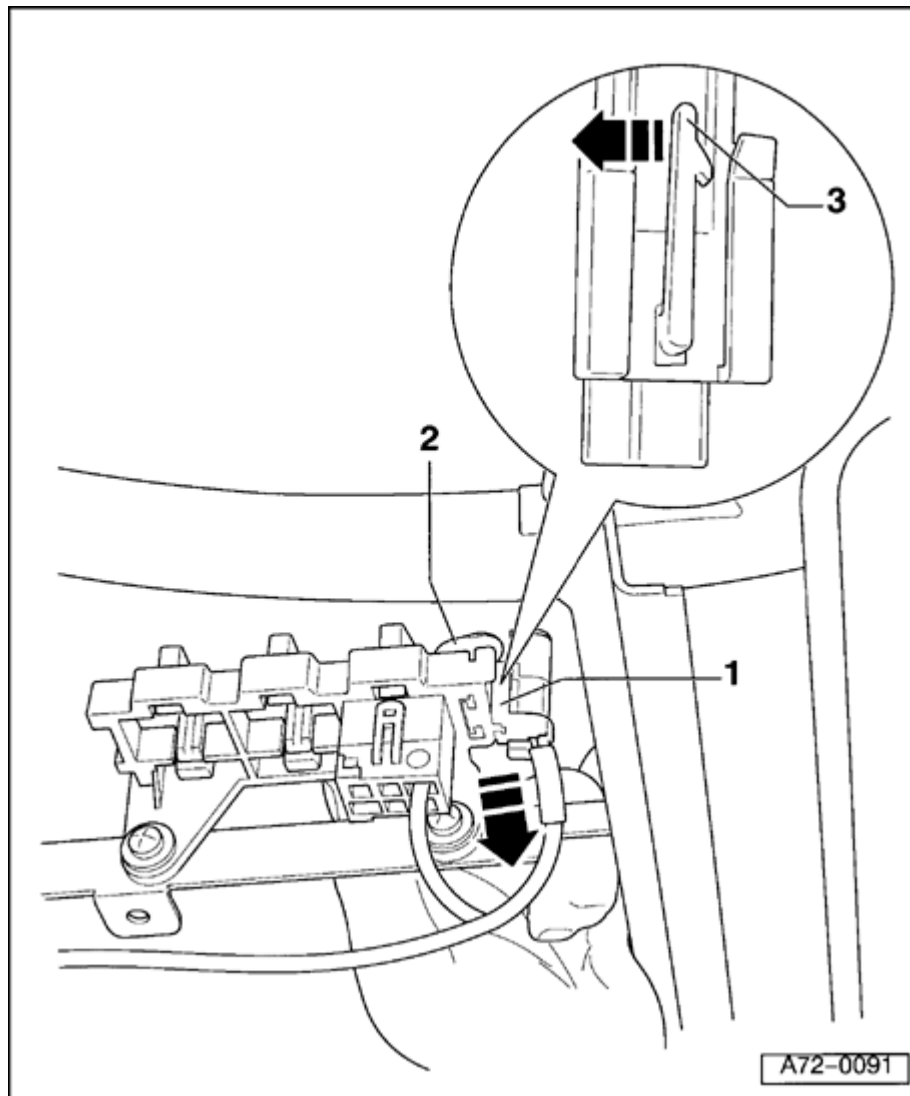
Removing:

- Remove left and right caps -3- by pushing down, then pulling toward front of vehicle.
- Remove bolts -2-.
- Carefully remove front seat -1- from vehicle.

2 - Bolts

- ◆ 25 Nm (18 ft lb)

3 - Caps**4 - Seat rail**



Side airbag harness connector, disconnecting

WARNING!

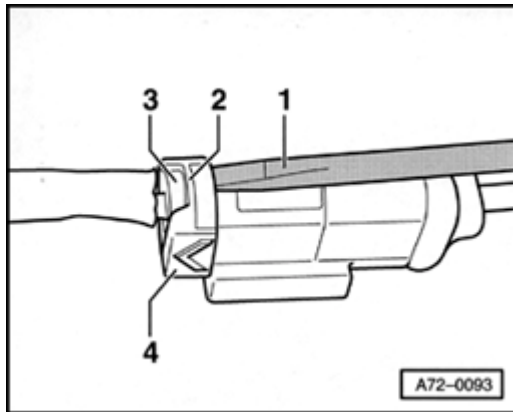
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

Note:

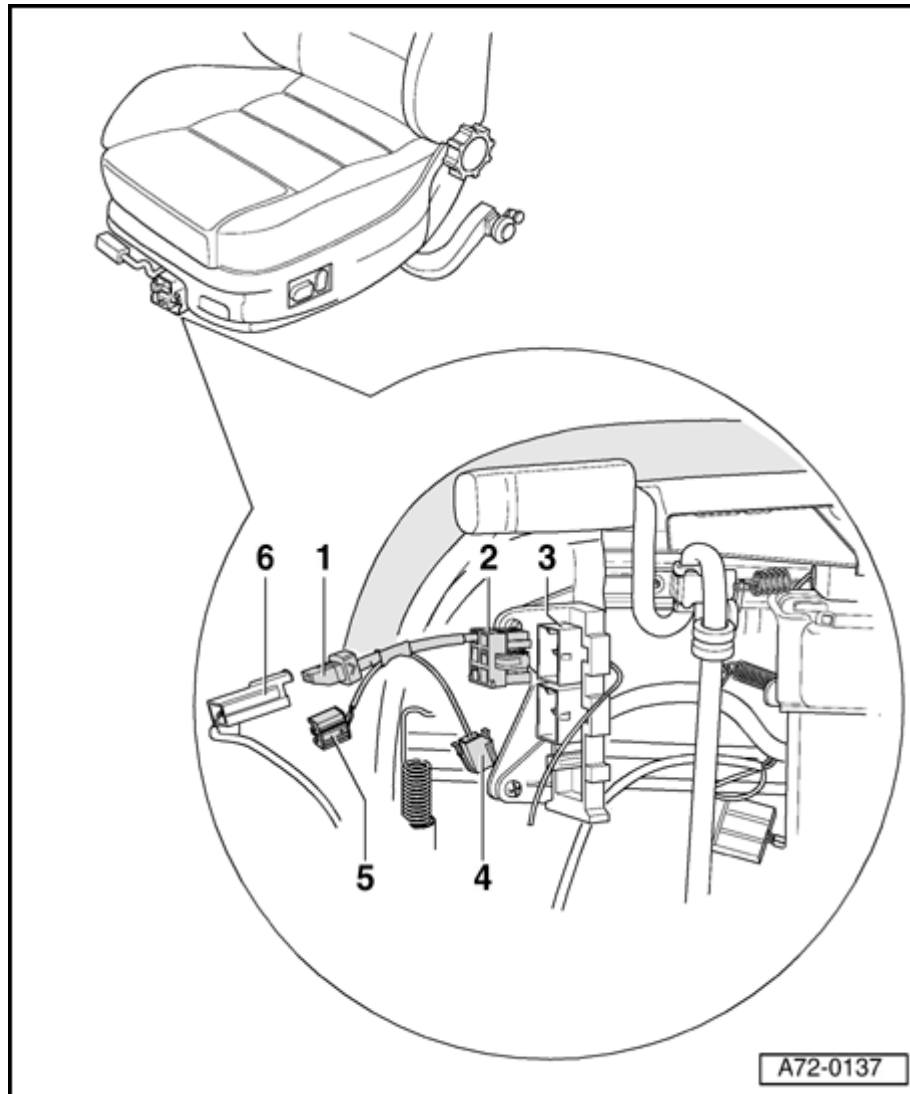
Technician must be grounded before disconnecting ignition and Ground (GND) wiring; to ensure proper grounding, touch door striker or body.

- Grab side airbag harness connector -1- from behind.
- Pull catch -3- with one finger in direction of arrow (toward hand).
- At same time, use same hand to pull side airbag connector -1- forward (in direction of arrow).

72-8



- Using screwdriver -1-, push tab -2- over catch -3- and disconnect harness connector -4-.



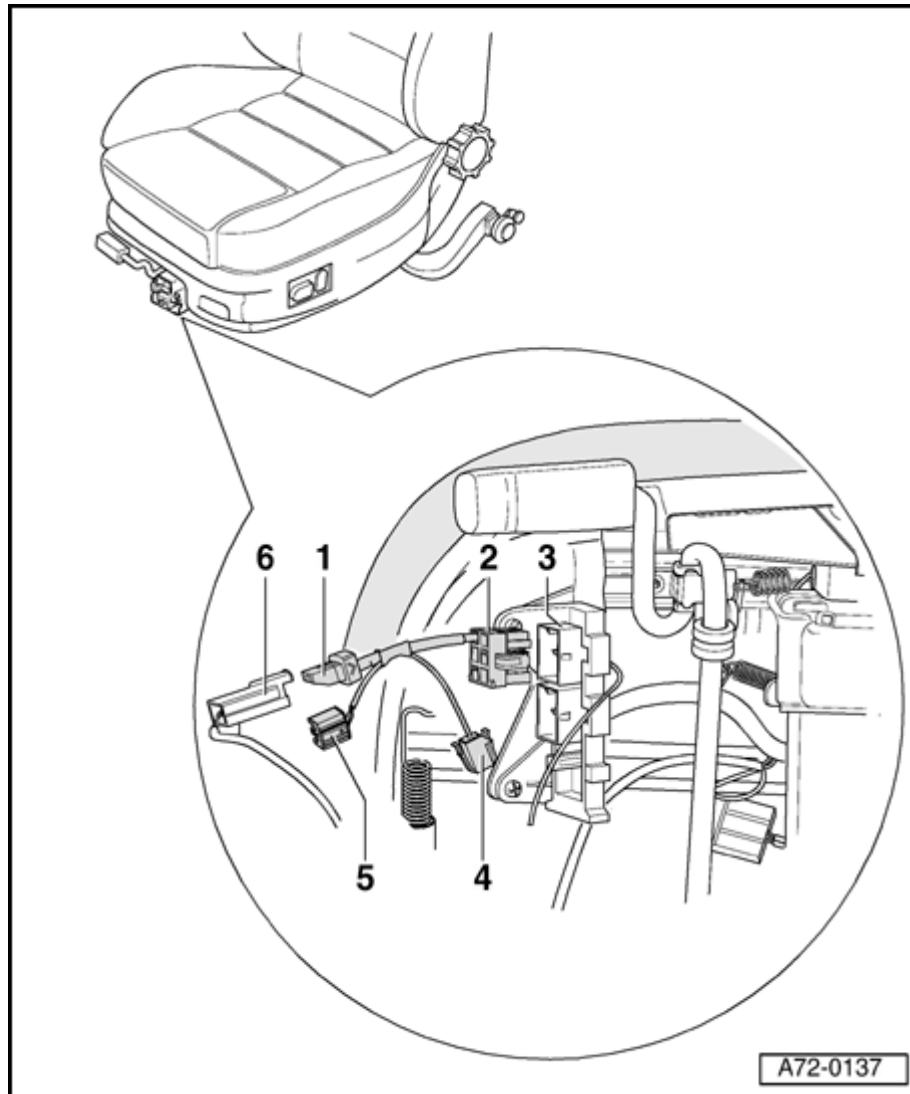
VAS 5094 airbag adapter, connecting

- Insert harness connector -2- ((VAS 5094 airbag adapter) into connector housing -3-.
- Connect igniter wire -6- from airbag module (on seat frame) to harness connector -1- (airbag adapter).
- For seats with seat heaters, disconnect harness connector.
- Turn down carpet in area near guide rail.
- Push seat back out of guide rail.
- Lift seat out of vehicle.

WARNING!

Leave VAS 5094 airbag adapter on seat until seat is again installed in vehicle.

72-10



1 - Airbag adapter-igniter wire harness connector

2 - Airbag adapter - Ground wire harness connector

◆ Audi A6, 1998 ➤

◆ Audi A4, 1995 ➤

◆ Audi A3, 1997 ➤

3 - Ground wire harness connector from airbag module

4 - Airbag adapter - Ground wire harness connector

◆ Golf, 1991 ➤

5 - Airbag adapter - Ground wire harness connector

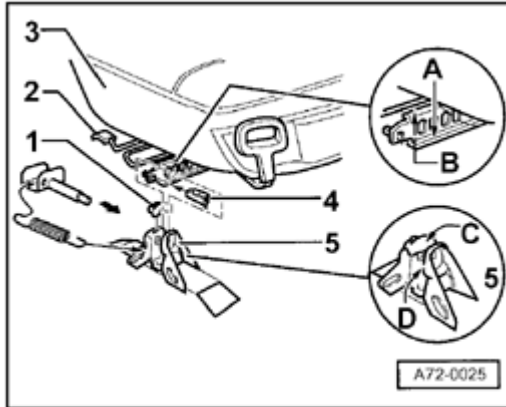
◆ Passat, 1997 ➤

6 - Airbag module igniter wire harness connector

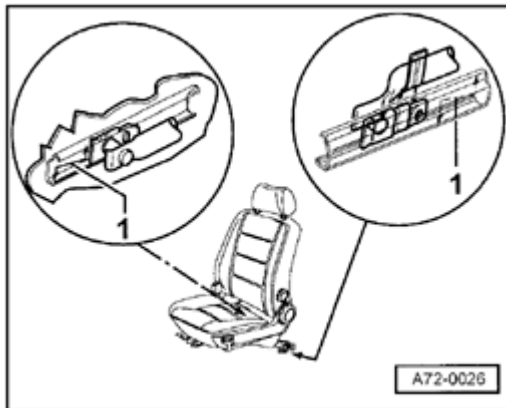
◆ From airbag module on seat frame

72-11

Front seat lubrication locations



- Lubricate lubrication positions -A-, -B-, -C-, and -D- using G 052 745 A3 universal low temperature grease.



- Lubricate seat guide rails at locations -1- and at side using thin layer of G 052 745 A3 universal low temperature grease.

Notes:

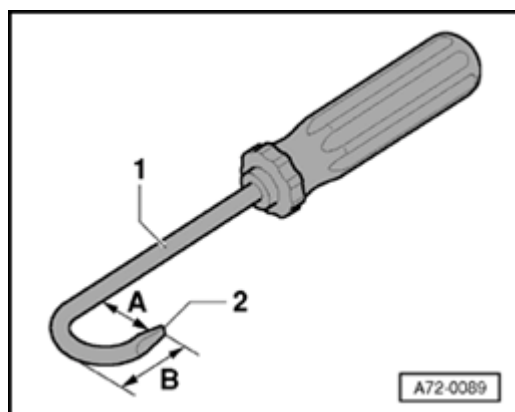
- ◆ When lubricating, make sure no grease gets on the carpet or seats.
- ◆ Only apply a thin layer of grease.

Backrest, removing and installing

WARNING!

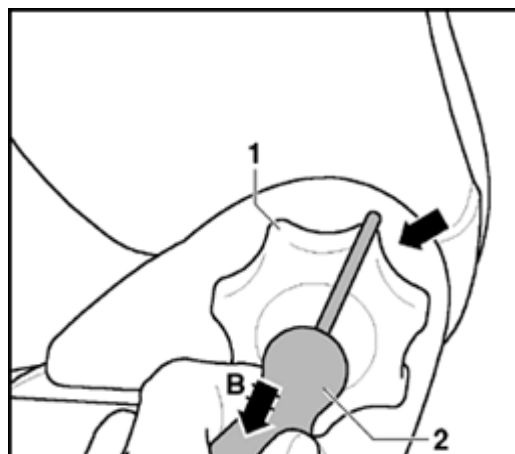
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

Fabricating removal tool:



A

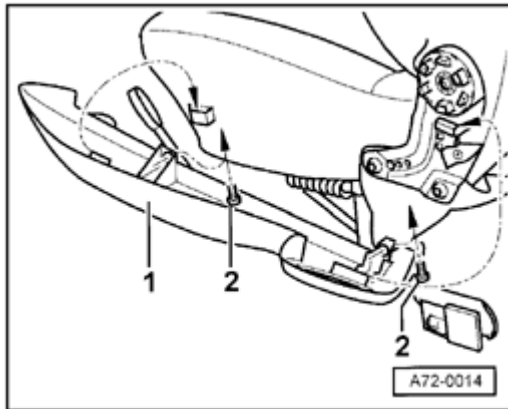
- Bend screwdriver -1- with width -2- (3.5 mm) and dimensions -A- (20 mm) and -B- (max. 15 mm).
- Remove seat ⇒ [page 72-2](#) .



A

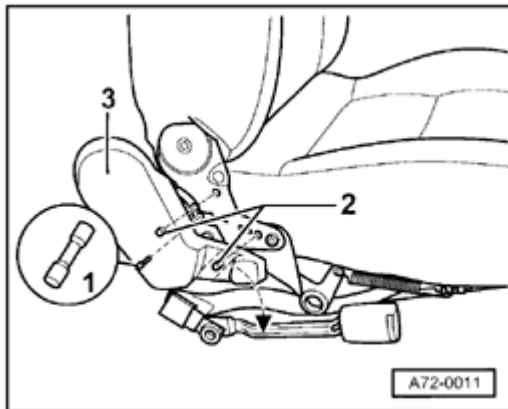
- Turn adjusting wheel -1- from behind until you can see one of the adjusting wheel catches (direction of arrow A). If necessary, use flashlight.
- Attach removal tool -2- and pull in direction of arrow -B-.
- Turn adjusting wheel an additional 120° .
- Attach removal tool -2- and pull in direction of arrow B.
- Remove adjusting wheel.

72-13



A

- Remove bolts -2- (2x).
- Pull bottom of trim piece -1- out slightly and detach upward out of front and rear brackets.

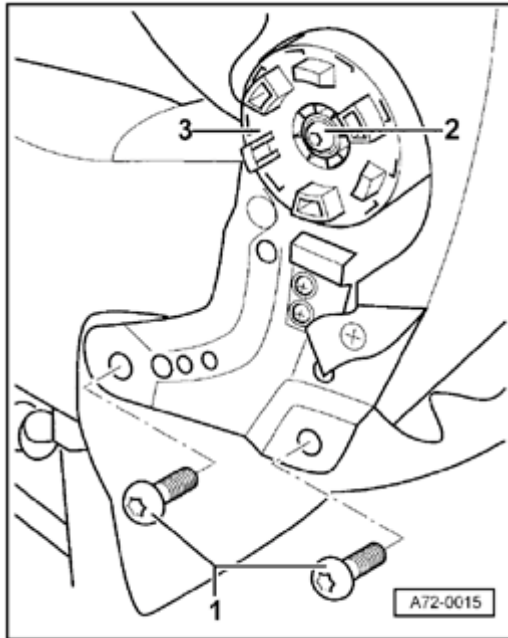


A

- Move belt buckle forward.
- Push through pins -2- (2x) toward inside.
- Push pin -1- in to first detent.
- Remove trim piece -3-.

72-14

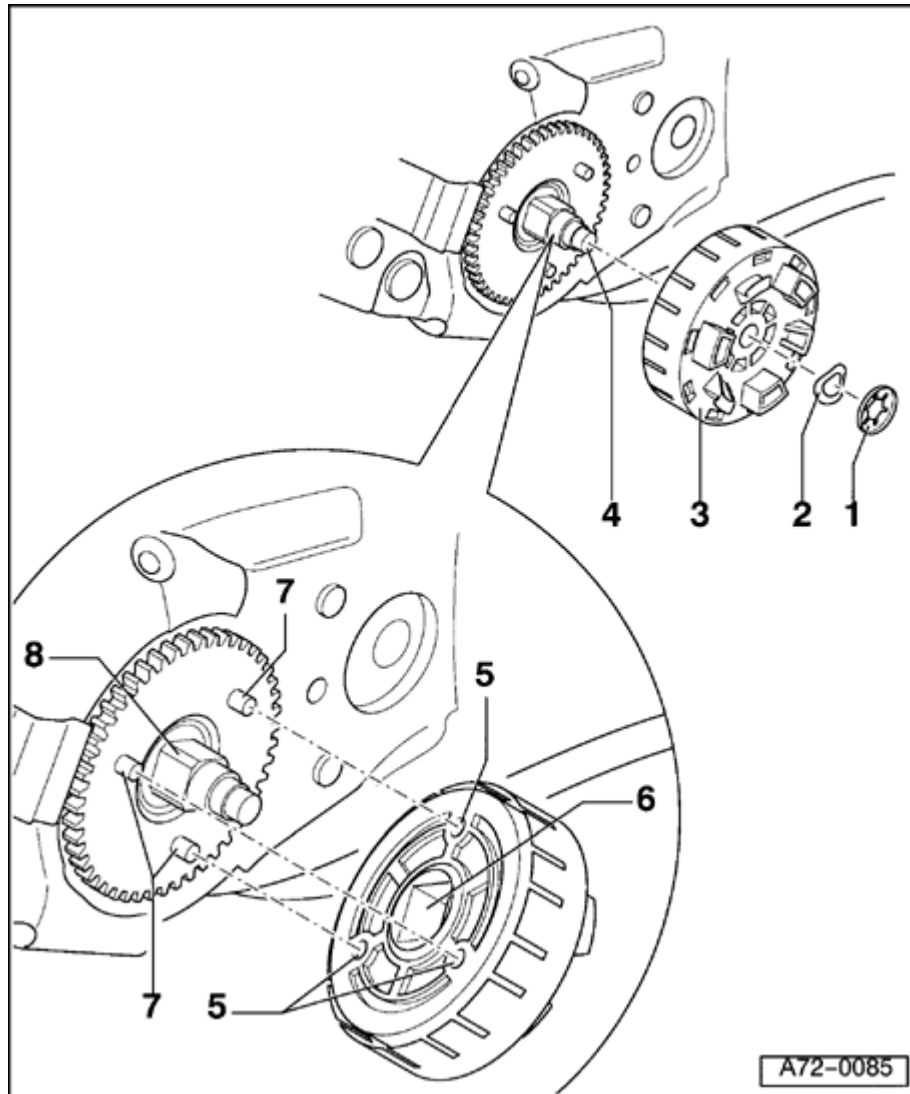
- For vehicles with seat heaters, disconnect harness connector under seat and detach from brackets.

**A**

- Remove bolts -1- (4x).
Tightening torque: 23 Nm (17 ft lb)
- Lift off backrest.

Note:

It is not necessary to remove brake wheel -3- because it is part of the backrest frame.



Brake element for backrest adjustment, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

- 1 - Spring washer**
- 2 - Locking washer**
- 3 - Brake element**

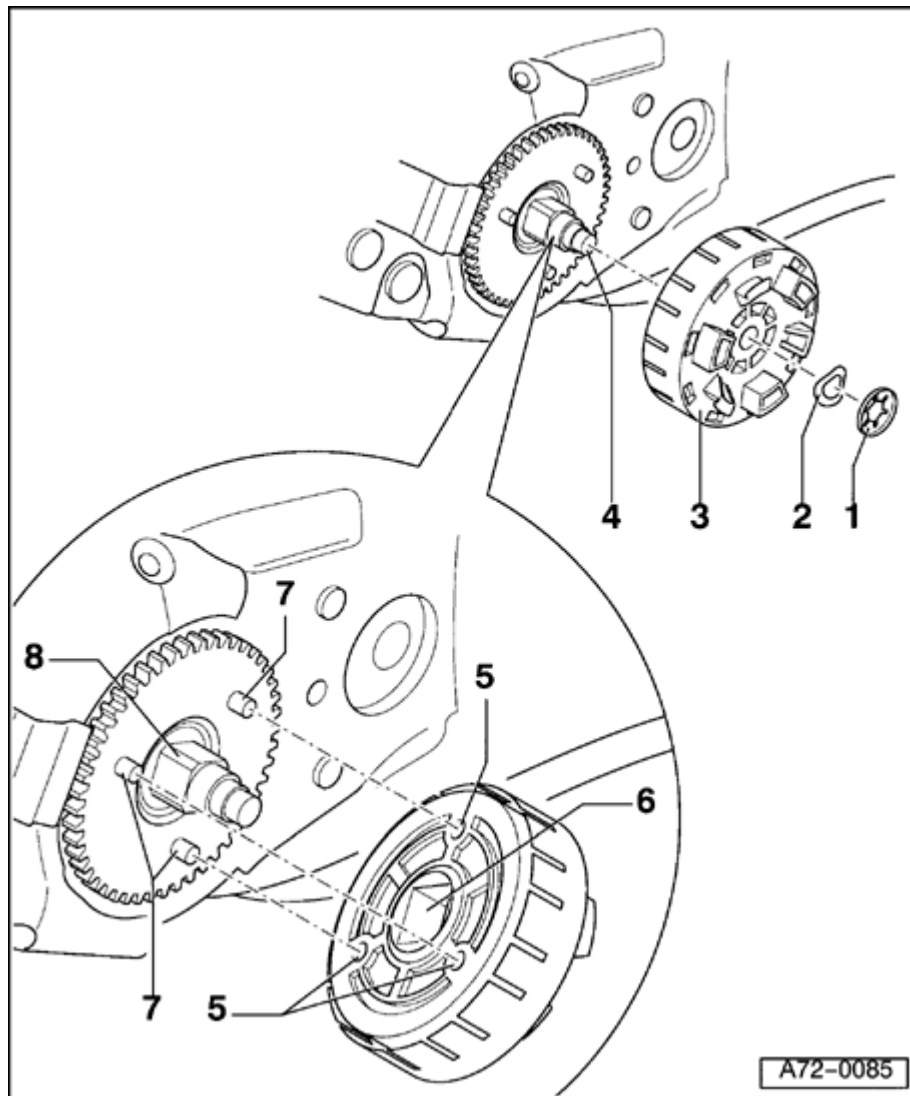
Removing:

- Remove seat ⇒ [page 72-2](#) .
- Remove side seat trim panels ⇒ [page 72-17](#) .
- Using screwdriver, remove spring washer -1-.
- Remove brake element -3- together with locking washer -2- from groove -4-.

Installing:

- When installing, insert catches -7- in mounting -5-, and square -8- in square mounting -6-.
- Tap on new spring washer -1- using socket.

72-16

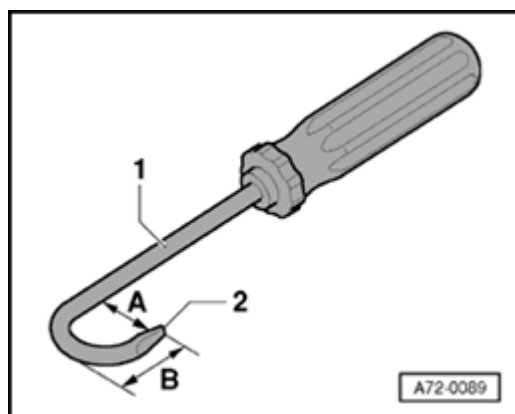


- 4 - Groove
- 5 - Mountings
- 6 - Square mounting
- 7 - Catches
- 8 - Square

Side seat trim panels, removing and installing

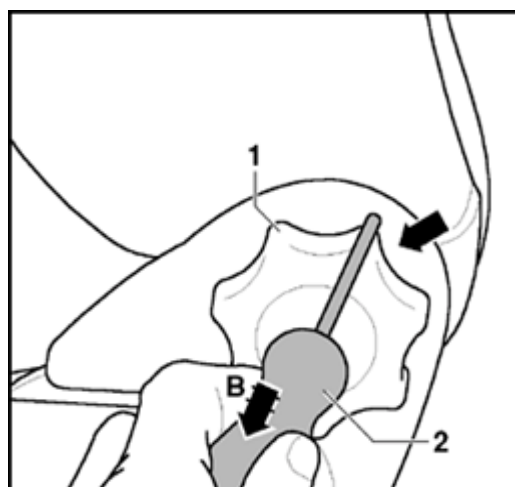
WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .



A

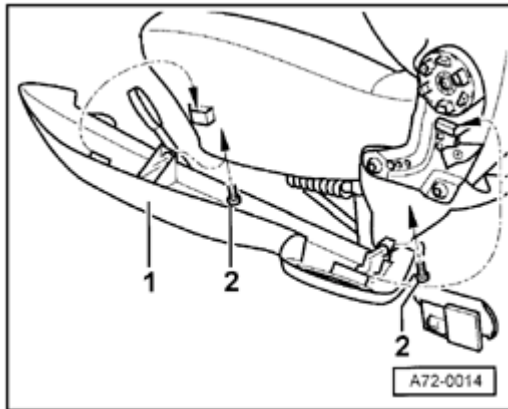
- Fabricating removal tool: Bend screwdriver -1- with width -2- (3.5 mm) and dimensions -A- (20 mm) and -B- (max. 15 mm).
- Remove seat ⇒ [page 72-2](#) .



A

- Turn adjusting wheel -1- from behind until you can see one of the adjusting wheel catches (direction of arrow -A-). If necessary, use flashlight.
- Attach removal tool -2- and pull in direction of arrow -B-.
- Turn adjusting wheel an additional 120° .
- Attach removal tool -2- and pull in direction of arrow -B-.
- Remove adjusting wheel.

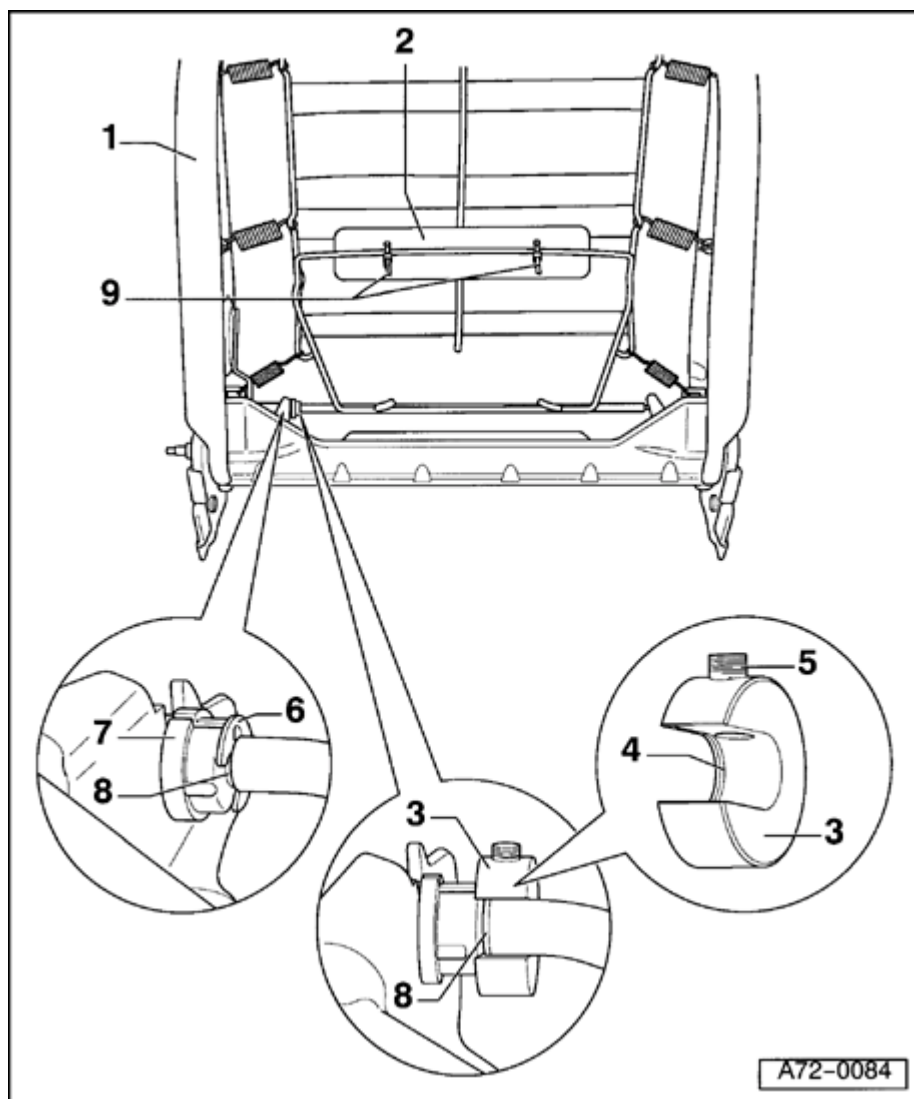
72-18



A

- Remove bolts -2- (2x).
- Pull bottom of trim piece -1- out slightly and detach upward out of front and rear brackets.

72-19



Changing lumbar support and retrofitting plastic insert

Notes:

- ◆ If the lumbar shaft is defective, the circlip can be replaced by a grip support.
- ◆ A plastic insert can be installed by pressing the lumbar support through the upholstery.

1 - Backrest frame

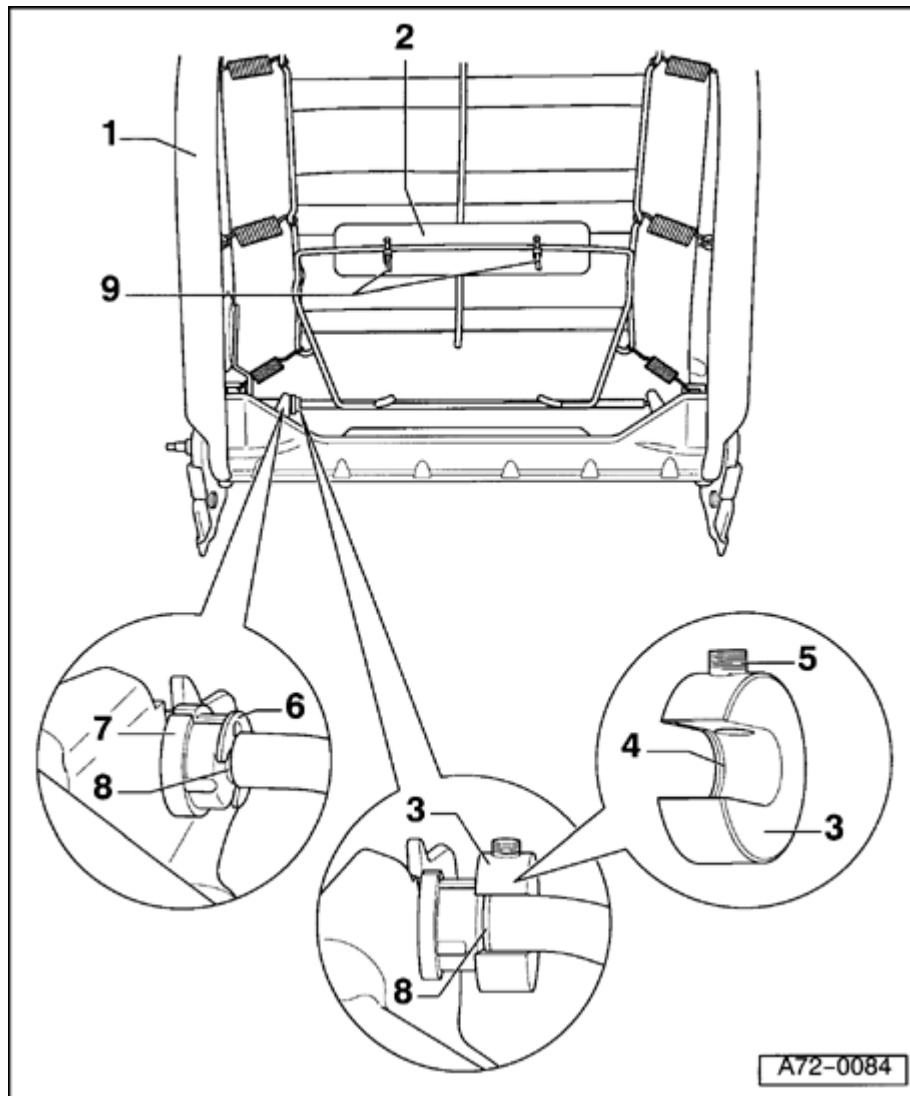
2 - Plastic insert

- Remove backrest cover ⇒ [page 74-1](#) .
- Slide plastic insert between lumbar support and spring wire.
- Secure plastic insert using two tie wraps.

3 - Grip support

- Remove backrest cover ⇒ [page 74-1](#) .
- Remove circlip -6-.
- Push bearing sleeve toward outside and install grip support -3- together with retaining flange -4- into groove -8-.
- Install set screw.

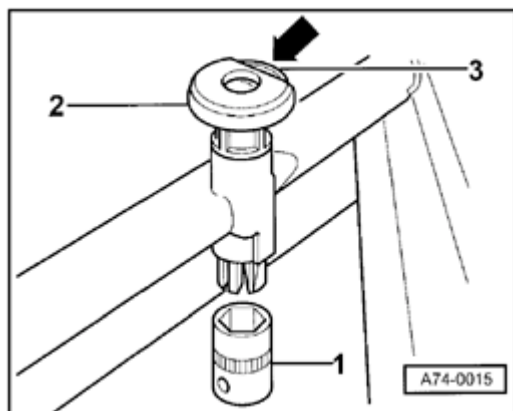
72-20

**4 - Retaining flange****5 - Set screw****6 - Circlip****7 - Bearing sleeve****8 - Groove****9 - Tie wraps (2x)**

72-21

Headrest, removing and installing

Backrest is shown without cover and padding in illustration.

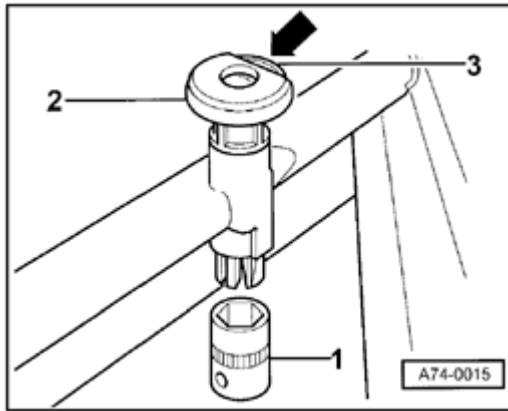


A

- Push button -3- in direction of arrow and pull headrest up and off.

Headrest guides, removing and installing (through m.y. 1999)

◆ Backrest cover, removing and installing ⇒ [page 74-1](#).



A

- Using 17mm socket, push headrest guide up and out.
- When installing headrest guide, ensure guide lugs are positioned correctly. Side of guide lugs always face toward outside.
- Headrest guide with button -3- is only located on one side of backrest.

Headrest guides, removing and installing (from m.y. 2000)

- ◆ Backrest cover, removing and installing ⇒ [page 74-1](#).

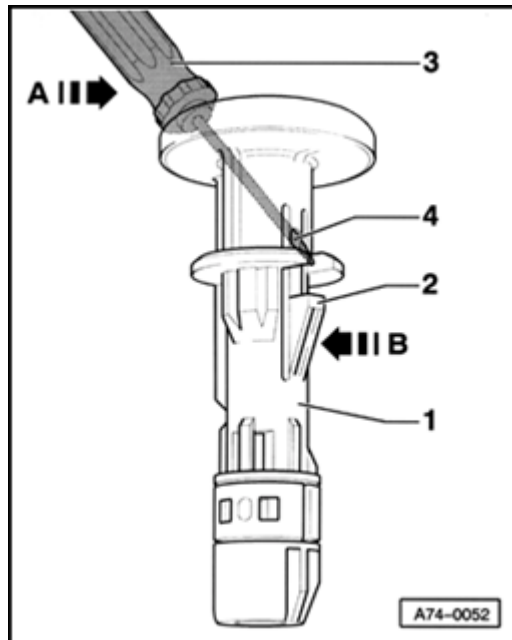
**A**

Fig. 1 Removing head restraint guides

For greater clarity, head restraint guide -1- is shown removed.

- Insert upholstery needle or screwdriver -3- with maximum width of 2 mm into hole -4- (opposite retaining clip for head restraint guide).
- Pry screwdriver -3- in direction of arrow -A-, press retainer tab -2- in direction of arrow -B- and pull out head restraint guide -1-.

72-24

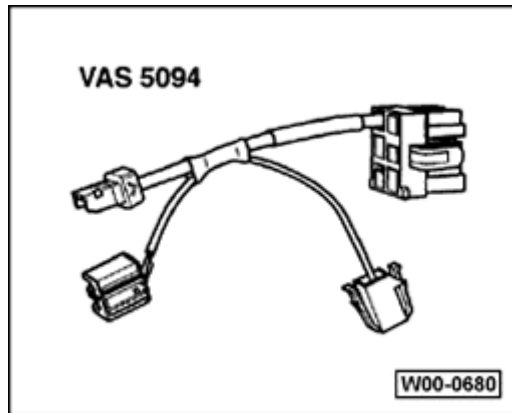
Recaro seat

Special tools and equipment



VAS5094 airbag adapter

Connecting ⇒ [page 72-9](#) .



Recaro seat, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

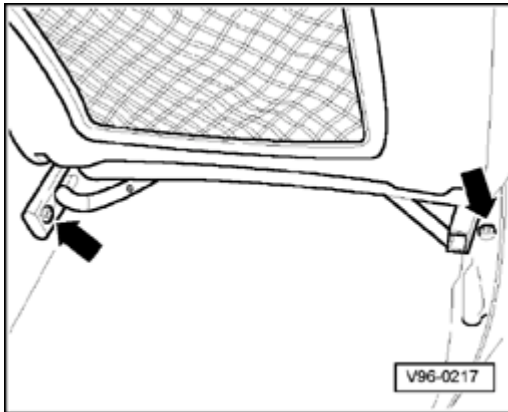
Notes:

- ◆ *Slight changes may have to be made to removal and installation procedures, depending upon equipment installed in vehicle.*
- ◆ *For memory and power seats, move seat fully up and back before disconnecting the battery.*
- ◆ *Before disconnecting the battery, determine the radio code.*

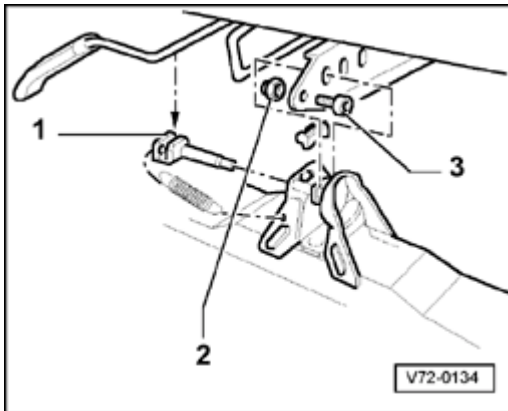
WARNING!

Disconnect battery Ground (GND) strap before removing seat.

- Push seat forward.

**A**

- Remove cap (right arrow) and remove Phillips-head screw located under cap.
- Remove screw (left arrow) and remove stopper toward rear.

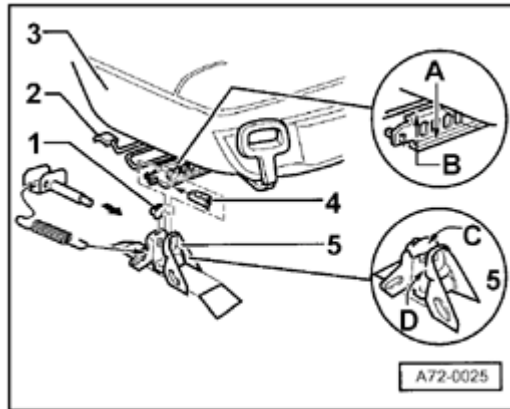
**A**

- Remove cap nut -2- and socket-head screw -3-.
- Tightening torque: 8 Nm (71 in. lb)
- Release retaining rod -1- and pull seat toward rear out of guide rails.

Note:

The attachment with socket-head screw -3- is replaced by a stop spring as a running change.

72-27



4

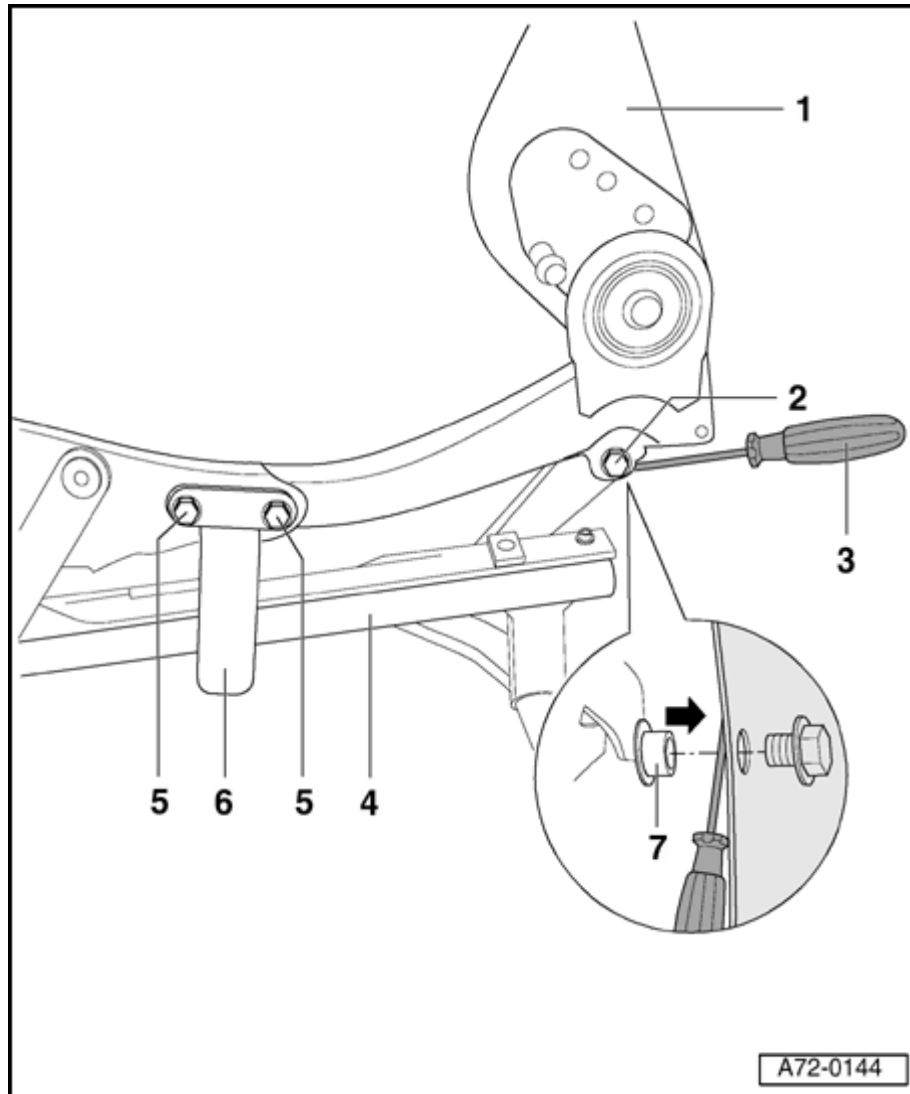
- Unclip stop spring -4-.
- Pull release lever up and push out seat -3- to rear.

Note:

For vehicles with heated seats, disconnect the harness connector.

CAUTION!

When sliding seat out of guide rails, ensure that the carpet is not ripped.



Backrest, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

Note:

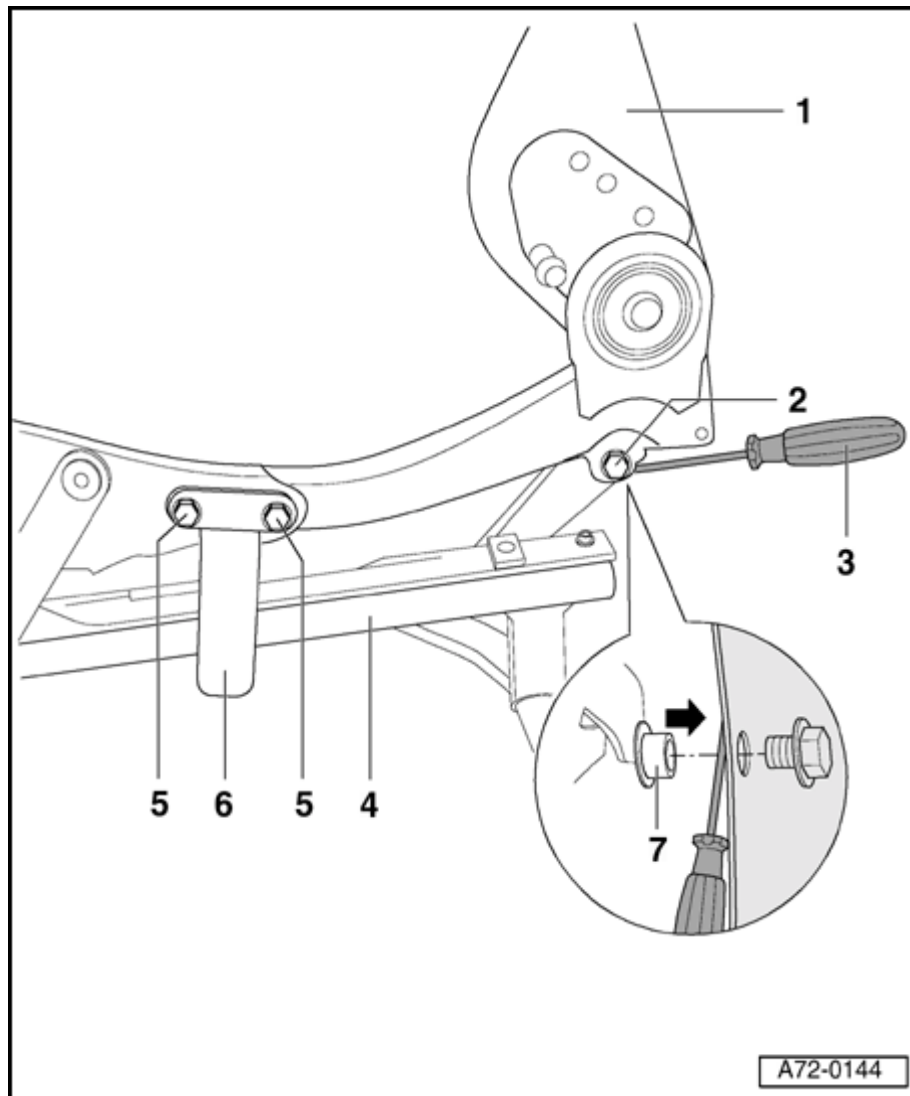
Seat is shown without upholstery and from the door sill side in illustration.

1 - Backrest frame

Removing:

- Remove seat ⇒ [page 72-25](#) .
- Remove side seat trim panels ⇒ [page 72-36](#) .
- Remove seat cushion ⇒ [page 72-32](#) .
- Disconnect harness connector to backrest heater element ⇒ [page 74-29](#) .
- Disconnect purple/yellow side airbag harness connector ⇒ [page 69-81](#) .
- Remove bolts -2- (2x).
- Remove bolts -5- (4x).
- Using screwdriver -3-, detach backrest frame -1- at securing points.

72-29



Installing:

Note:

Always replace bolts -2- and -5-.

- Install bushing -7- on both sides of rear securing points of backrest so collar faces toward inside.
- Slide backrest frame -1- from rear into seat frame -4-.
- Install bolts -2- and -5-, but do not tighten.
- Tighten bolts -2- and -5-.

2 - Bolts (2x)

- ◆ 23 Nm (17 ft lb)

3 - Screwdriver

4 - Seat frame

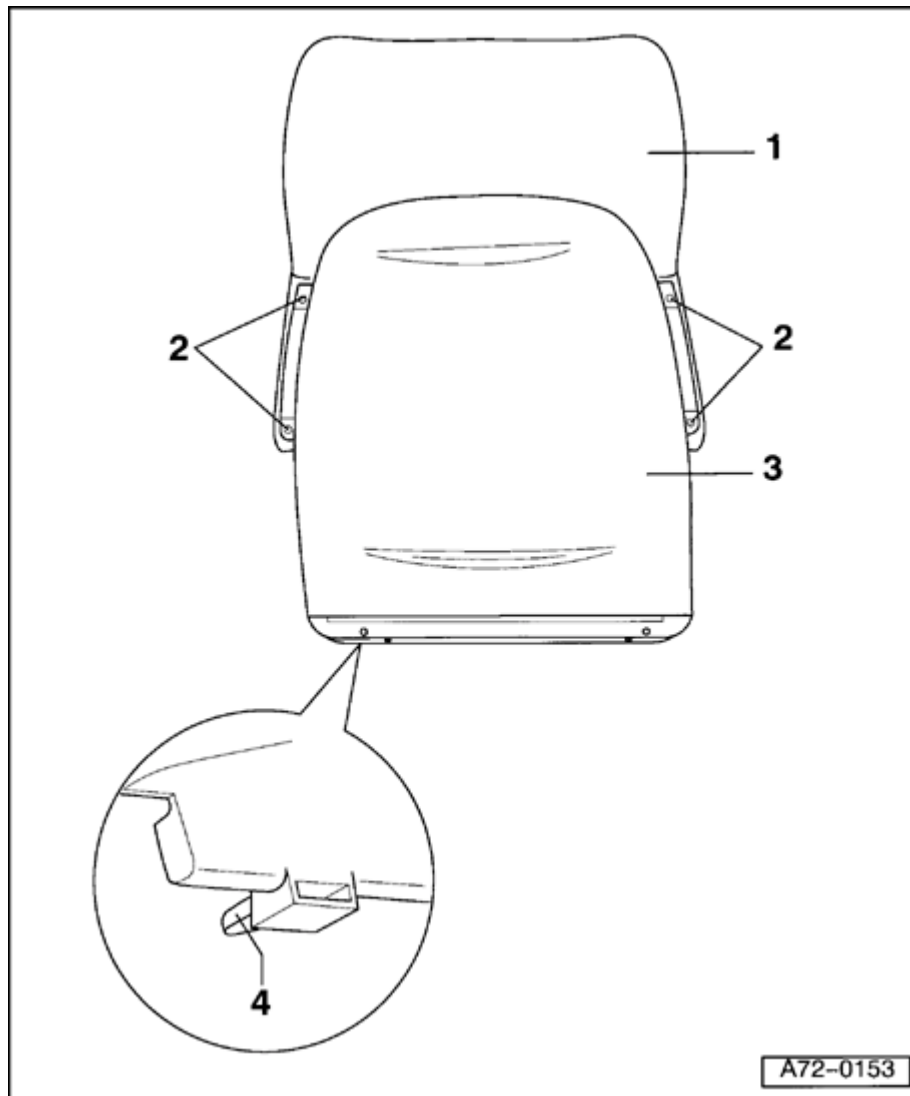
5 - Bolts(4x)

- ◆ 23 Nm (17 ft lb)
- ◆ Door sill side longer than tunnel side

6 - Bracket

- ◆ Only on door sill side

7 - Bushings (2x)



Backrest shell, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Backrest

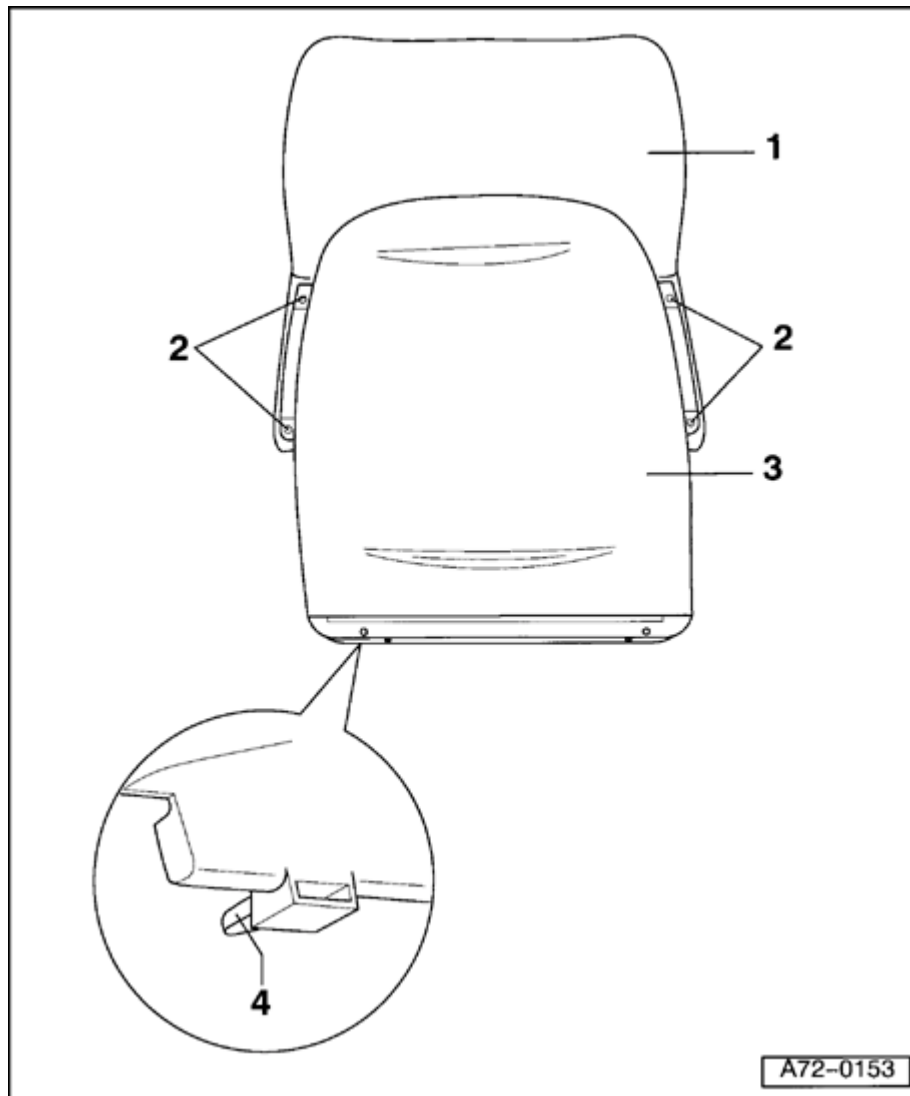
1 - Bolts (4x)

2 - Backrest shell

Removing:

- Move seat fully up.
- Remove seat ⇒ [page 72-25](#) .
- Remove trim panels ⇒ [page 72-41](#) .
- Remove side airbag module ⇒ [page 69-81](#) .
- Remove backrest upholstery ⇒ [page 74-22](#) .
- Remove spring cover ⇒ [page 72-43](#) .
- Unbolt bolts -2- (4x) on side of backrest shell -3-.
- Place seat so backrest shell -3- is accessible from below.
- Push both clips -4- on bottom of backrest shell -3- slightly toward each other.

72-31

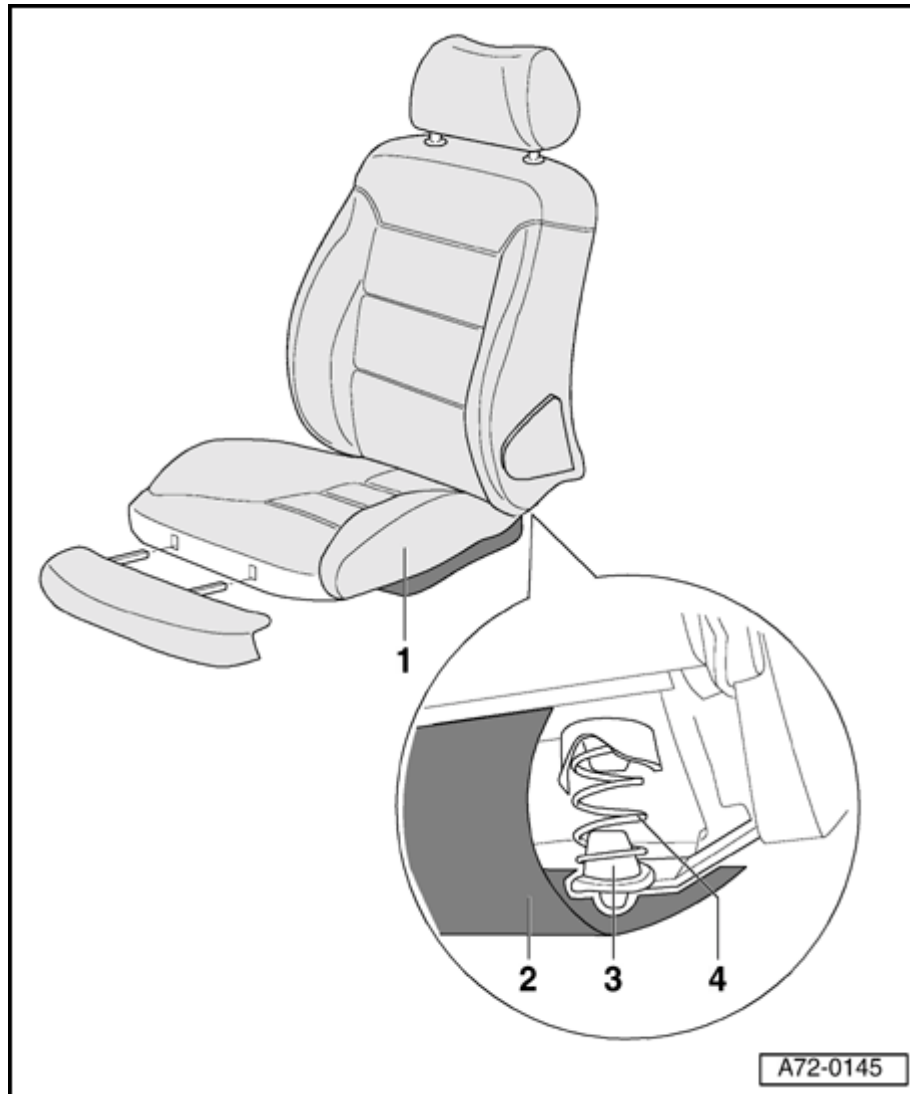


- Detach backrest shell from seat -3- from below.
- Remove backrest shell -3- up and out.

Installing:

- Attach backrest shell -3- at upper part of backrest -1-.
- Push backrest shell -3- down until clips -4- engage.
- Tighten bolts -2- (4x).

3 - Clips (2x)



Seat cushion, removing and installing

WARNING!

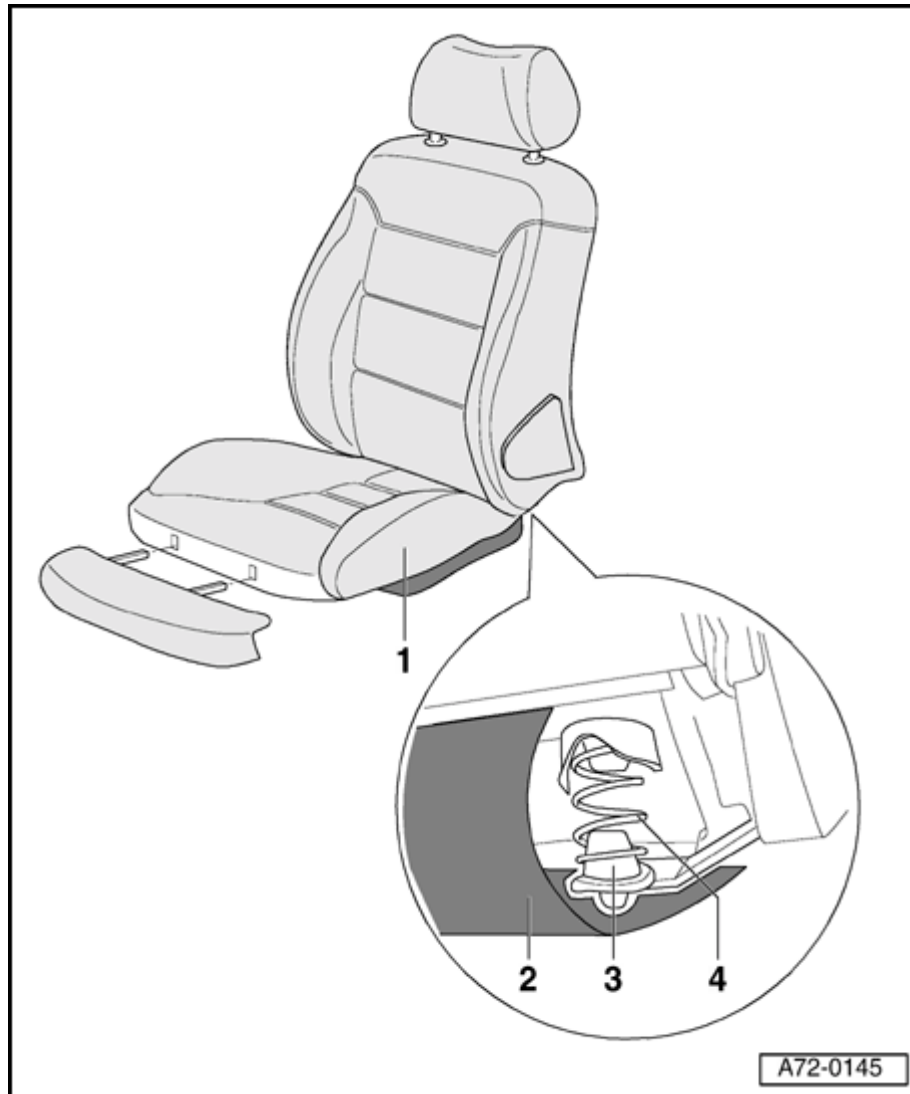
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Seat cushion

Removing:

- Move seat fully up.
- Remove seat ⇒ [page 72-25](#) .
- Remove seat cushion extension, front cover panel and guide sleeves ⇒ [page 72-34](#) .
- Remove trim panels ⇒ [page 72-41](#) .
- Remove spring cover ⇒ [page 72-43](#) .
- Detach electrical cover -2- under seat.
- If installed, disconnect seat cushion wiring (seat heater, seat-occupied sensor).
- Push up front of seat cushion -1-.
- Remove seat cushion -1- forward and out.

72-33

**Note:**

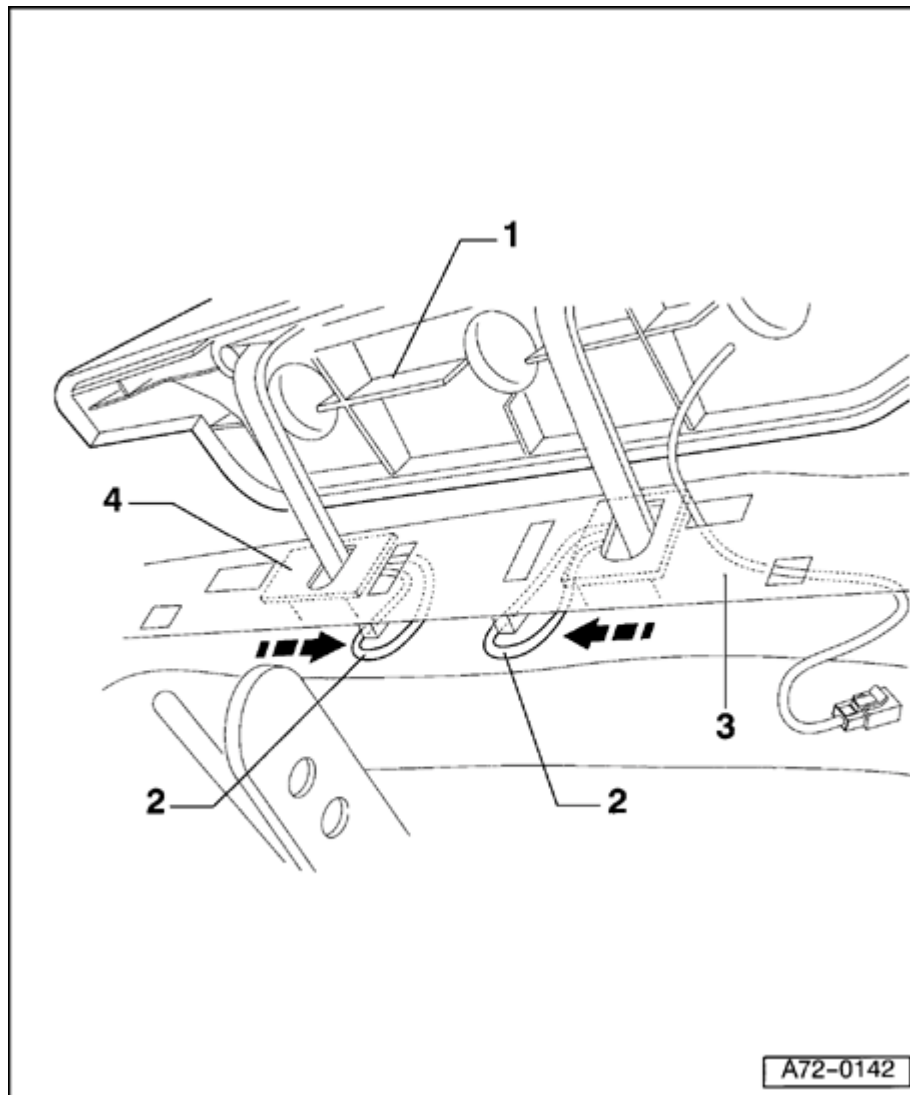
Both seat springs and their related rubber buffers located in the rear between the seat cushion and the backrest fall out by themselves.

Installing:

- Ensure rubber buffers 3 are correctly located in mountings on backrest.
- Install springs -4- in seat cushion.
- Insert electrical cover -2- between backrest and seat cushion.
- Install seat cushion -1- so springs -4- sit on rubber buffers -3- at backrest.
- Push seat cushion -1- toward rear.
- Push down on front of seat cushion -1-.
- If necessary, attach wiring in seat cushion.
- Install electrical cover beneath seat.

2 - Electrical cover**3 - Rubber buffers (2x)****4 - Springs (2x)**

72-34



Seat cushion extension, removing and installing

WARNING!

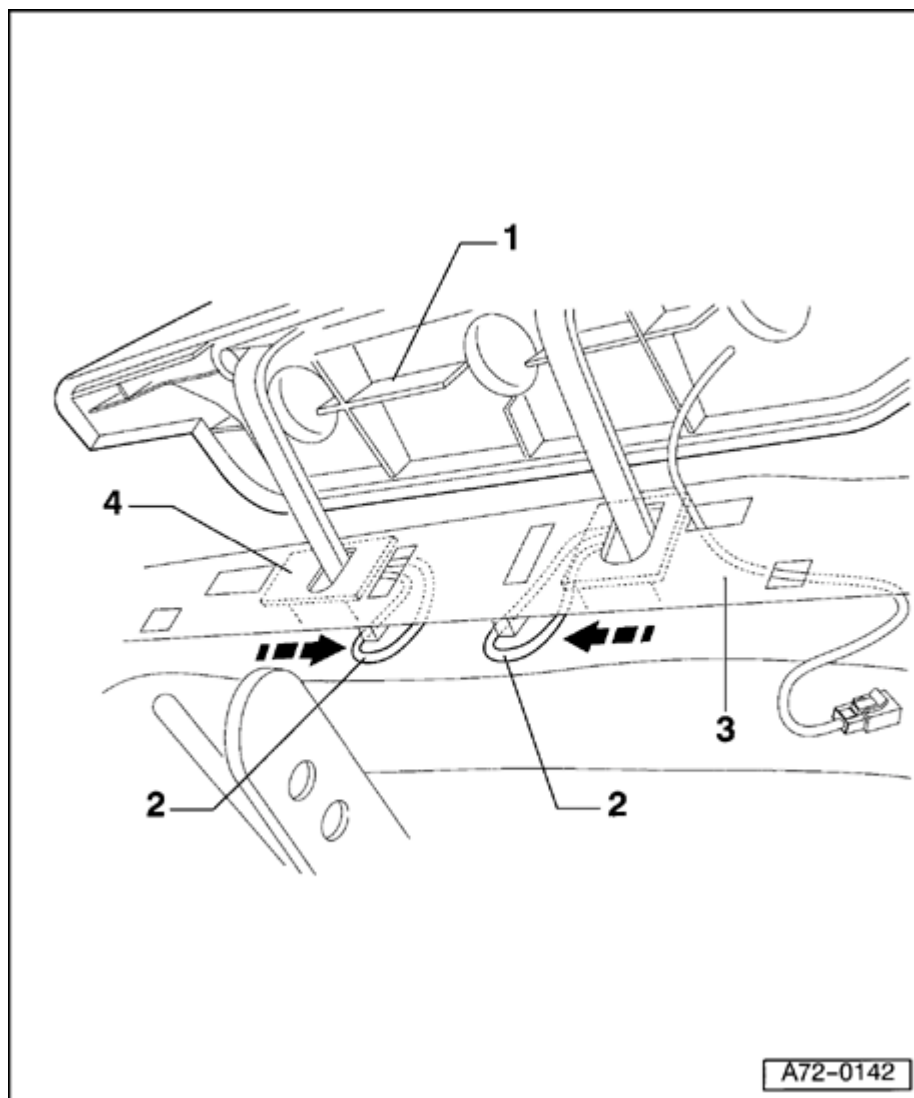
Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

1 - Seat cushion extension

Removing:

- Move seat fully up.
- Remove seat ⇒ [page 72-25](#).
- Using pliers or screwdriver push both springs -2- inward (arrow).
- Remove seat cushion extension -1-.
- If necessary, disconnect seat heater wiring on both sides.
- Pull front cover -3- up and pull cable through.

2 - Springs (2x)



3 - Front cover

Removing:

- If necessary (e.g. when removing seat cushion), remove cover completely.

Installing:

- Insert seat heater cable harness connectors through holes on both sides of cover -3- and connect harness connectors.
- Attach cover.

4 - Guide sleeves (2x)

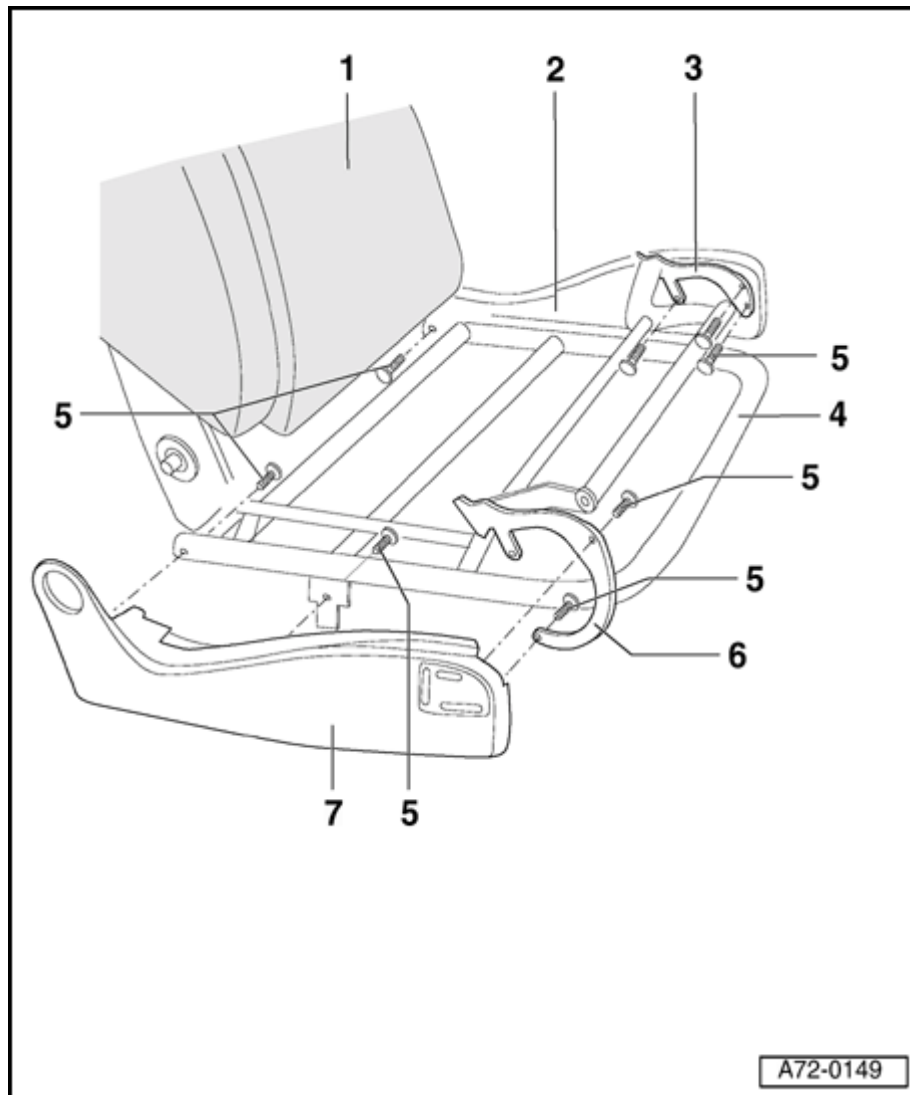
Removing:

- If necessary (e.g. when removing seat cushion), push guide sleeves -4- together with groove-lock pliers and pull guide sleeves out.

Installing:

Note:

Always replace guide sleeves when installing.



Side seat trim, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

1 - Backrest

2 - Side seat trim, tunnel side

Note:

It is not necessary to disconnect any wiring when removing side seat trim on tunnel side. Remainder of removal procedure is identical to removal of side seat trim on door sill side.

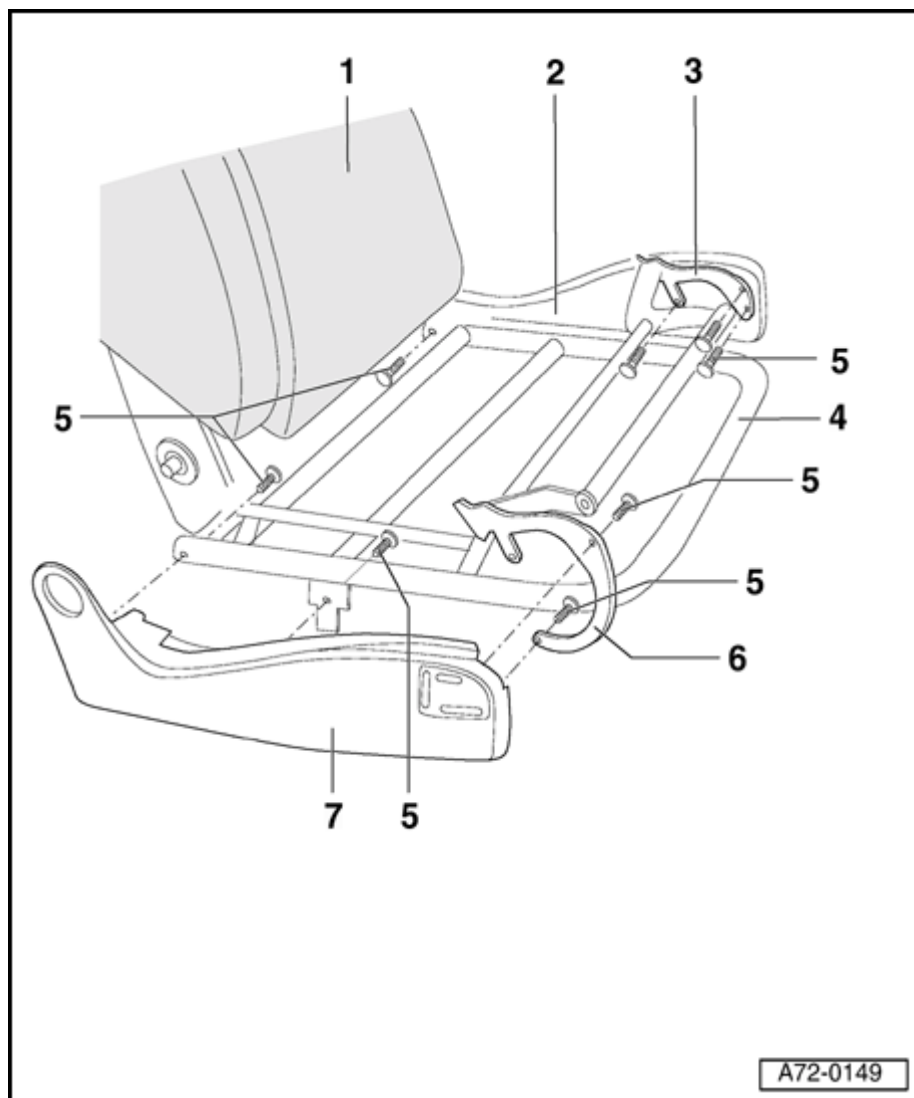
3 - Bracket for side seat trim, tunnel side

4 - Seat frame

5 - Bolts (4x per trim piece)

6 - Bracket for side seat trim, door sill side

72-37



7 - Side seat trim, door sill side

Removing:

- Move seat fully down.
- Remove seat ⇒ [page 72-25](#) .
- Remove mounting trim ⇒ [page 72-41](#) .
- Remove seat cushion ⇒ [page 72-32](#) .
- Rotate belt buckle downward.
- Disconnect all harness connectors that run from circuit board to side seat trim on door sill side.
- Cut all tie wraps on wiring harness using diagonal cutter.
- Unbolt bolts -5- (4x) on side seat trim.

Installing:

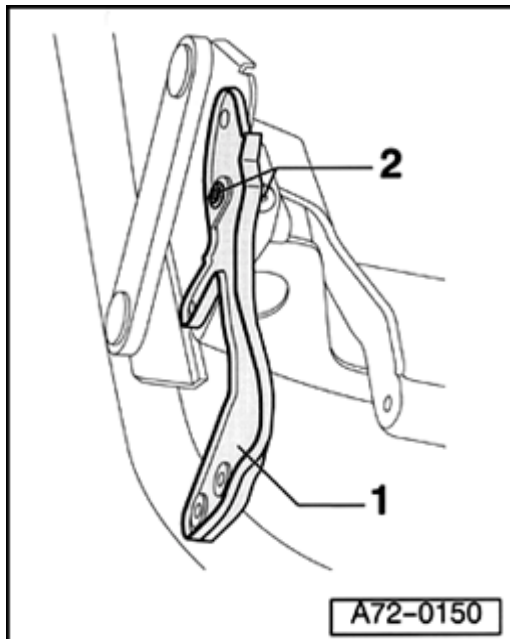
- Attach trim on lower mounting of backrest frame.
- Secure side seat trim with bolts -4- (4x).

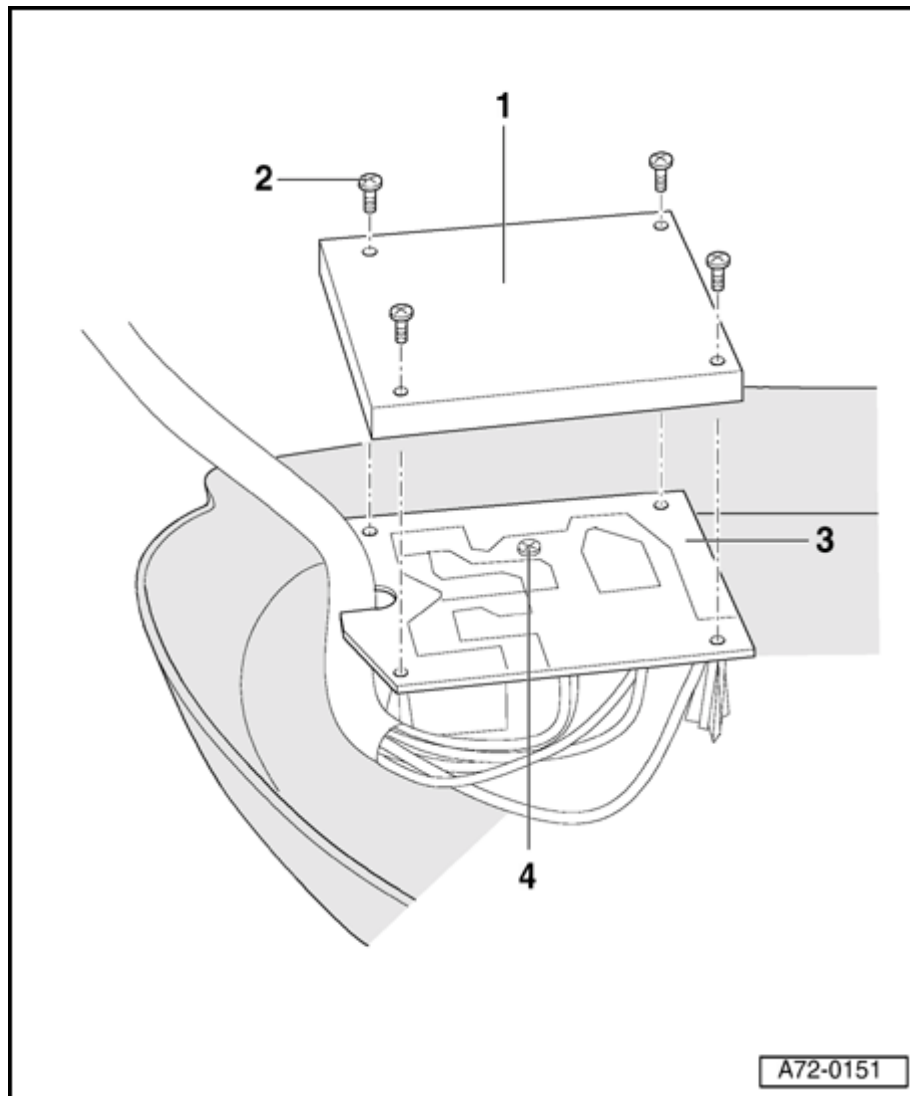
Side seat trim bracket, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

- Move seat to upper-most position.
- Remove seat ⇒ [page 72-25](#) .
- Remove side seat trim ⇒ [page 72-36](#) .
- 4 - Drill through both rivets -2- at front of side seat trim bracket -1- and remove bracket.





Switch unit circuit board, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

CAUTION!

Only the switch circuit board can be removed. The switches in the side seat trim cannot be replaced separately.

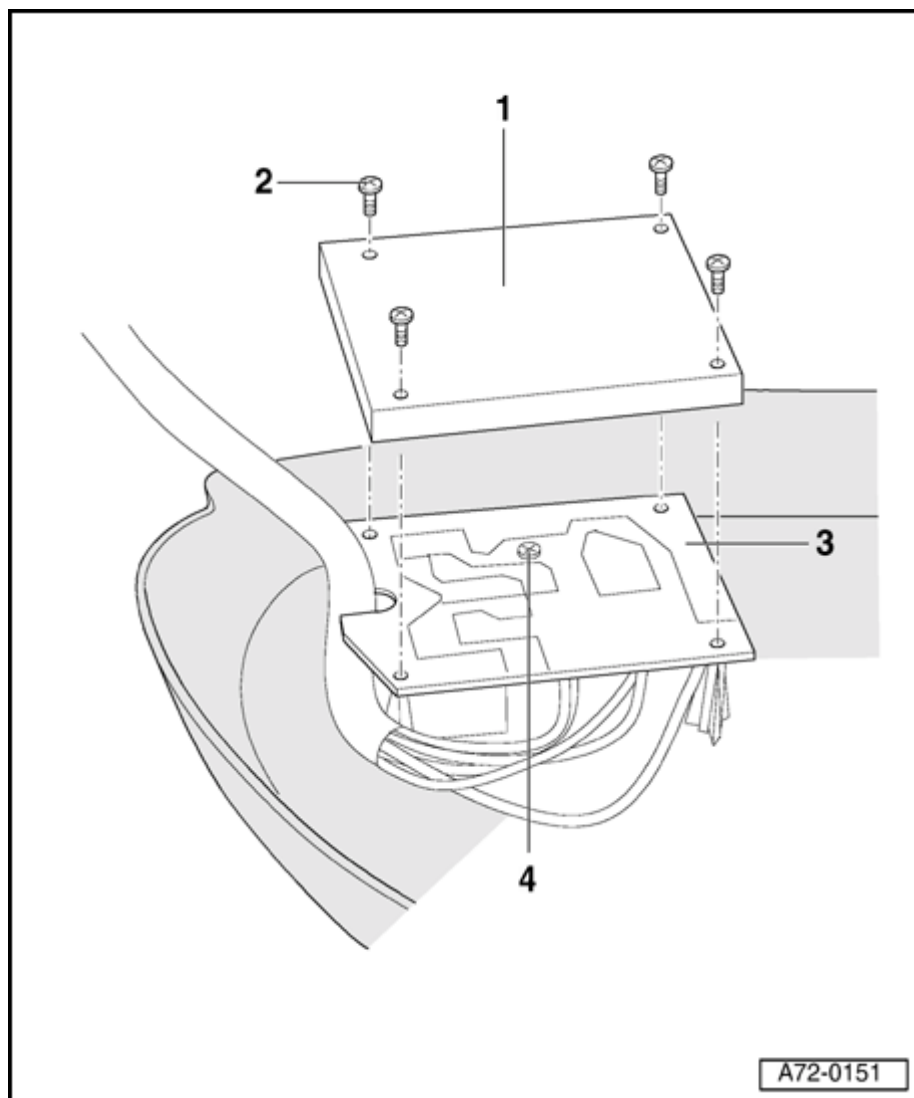
Note:

The switch unit circuit board is installed in the side seat trim on door sill side.

1 - Plastic cover

2 - Bolts (4x)

72-40



3 - Switch unit circuit board with wiring harness

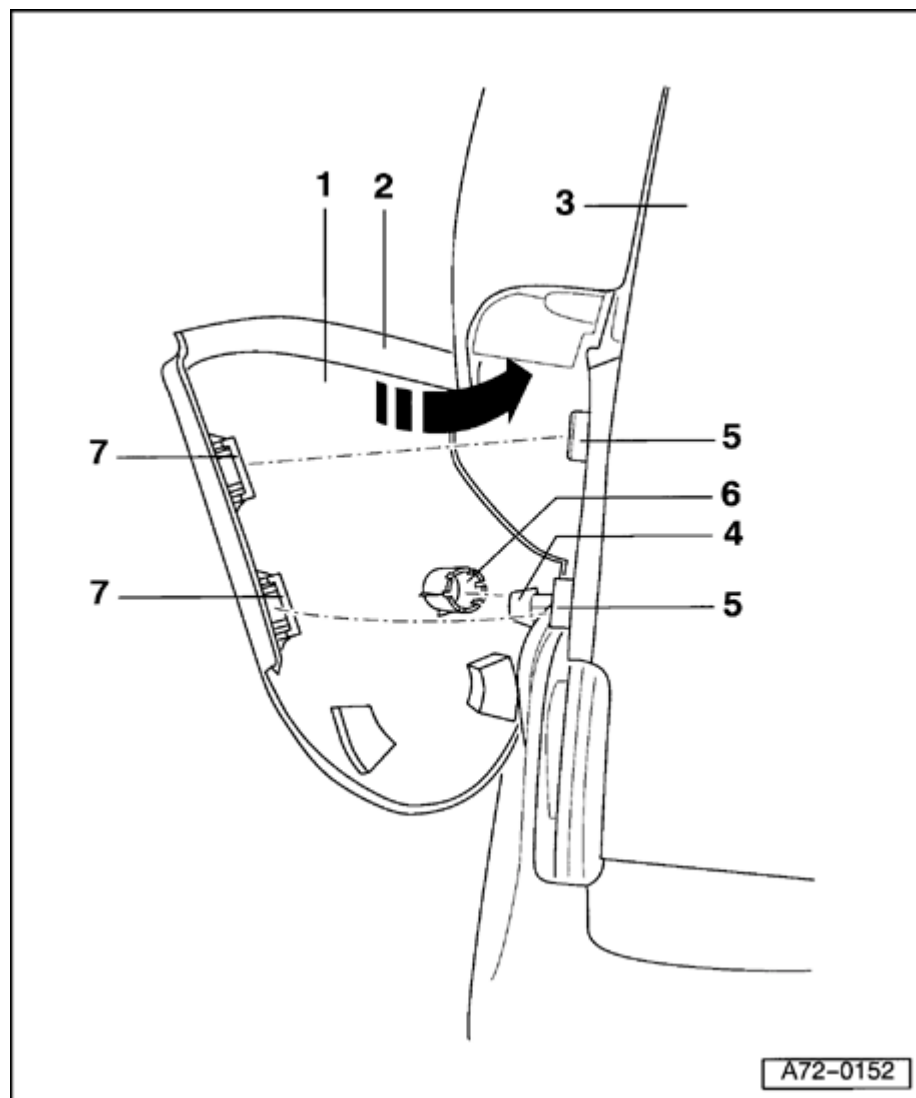
Removing:

- Move seat to bottom-most position.
- Remove seat ⇒ [page 72-25](#) .
- Remove door sill side seat trim ⇒ [page 72-36](#) .
- Cut all tie wraps on wiring harness using diagonal cutter.
- Disconnect all wiring harness connectors to circuit board.
- Remove bolts -2- (4x) at plastic cover -1- located above circuit board -3-.
- Remove plastic cover -1-.
- Remove bolt -4-.
- Carefully remove circuit board.

Installing:

- Carefully install circuit board so circuit board contacts seat correctly on contacts for switch located in side seat trim.

4 - Bolt (1x)



Mounting trim, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Mounting trim

Removing:

- Remove seat ⇒ [page 72-25](#) .
- Remove mounting trim -1- downward, so pins -4- and tabs -5- are pulled out of catches -6- and -7-.
- Pull out mounting trim -1-.

Installing:

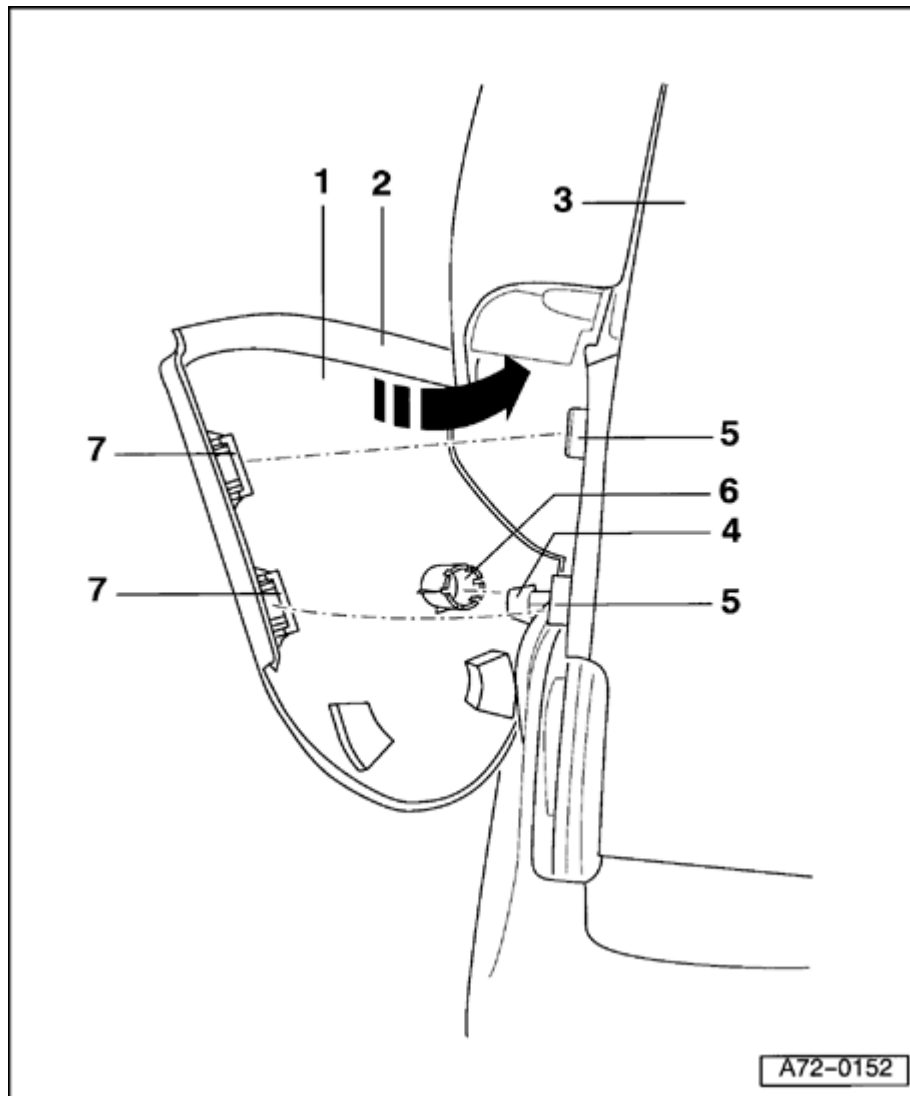
- On same side of side airbag unit, insert insertion edge -2- under side airbag module in direction of arrow.
- Install mounting trim evenly so pins -4- and tabs -5- engage in catches -6- and -7-.

2 - Insertion edge

- ◆ Only on same side of side airbag module

3 - Backrest

72-42

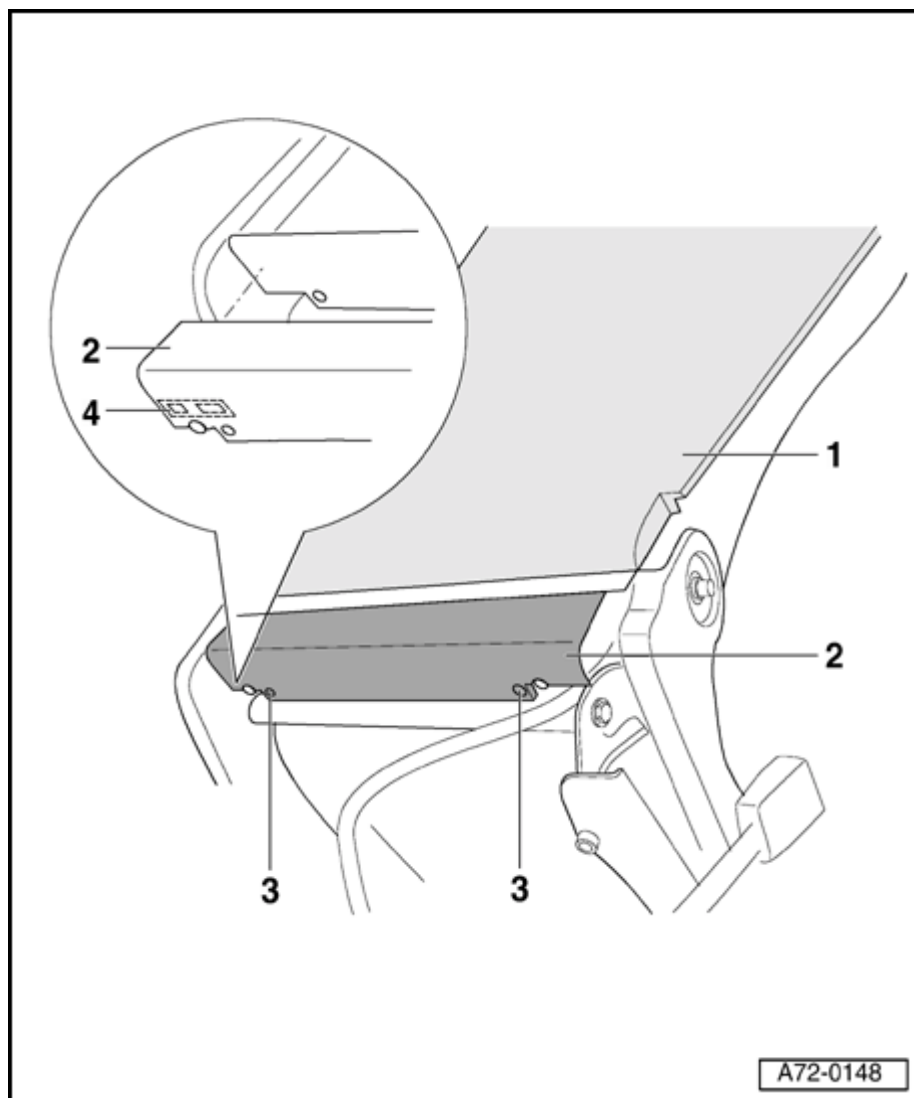


4 - Pins

5 - Clip

6 - Pin catch

7 - Tab catches



Spring cover, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

1 - Backrest

2 - Spring cover

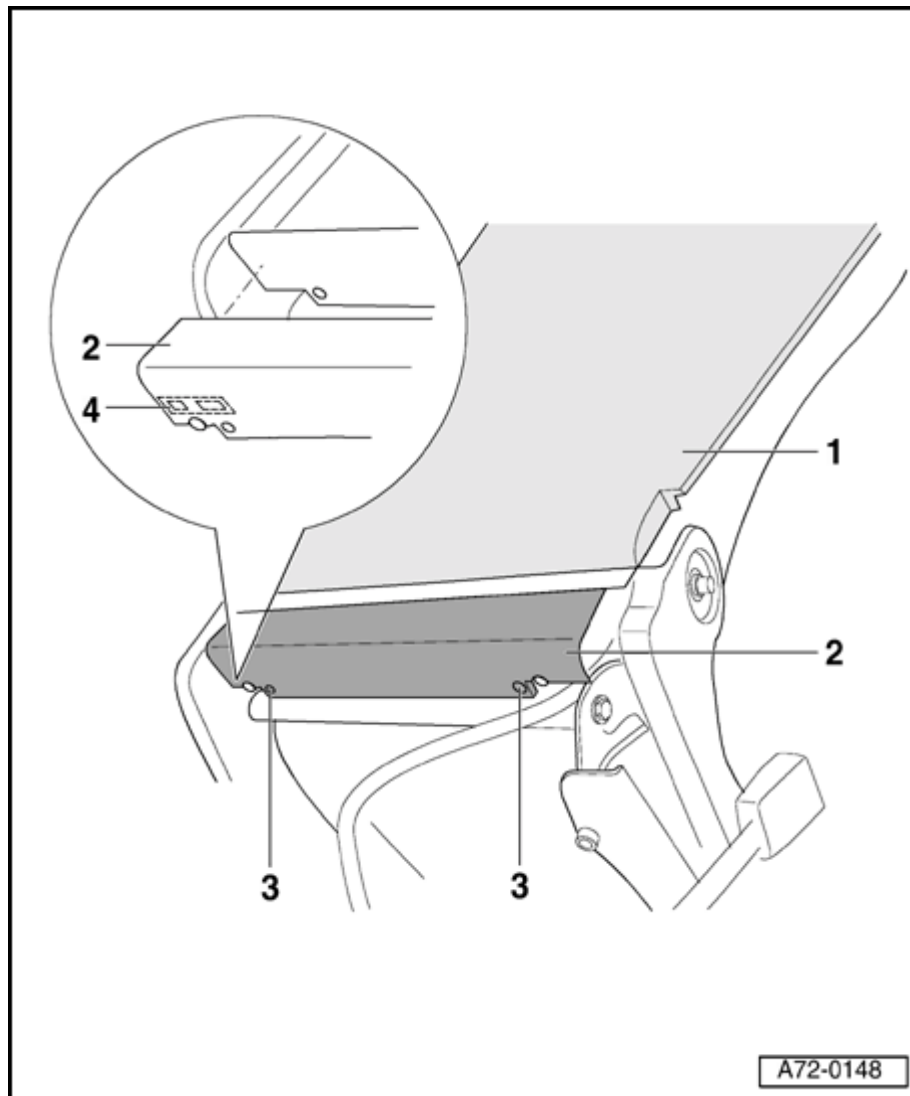
Removing:

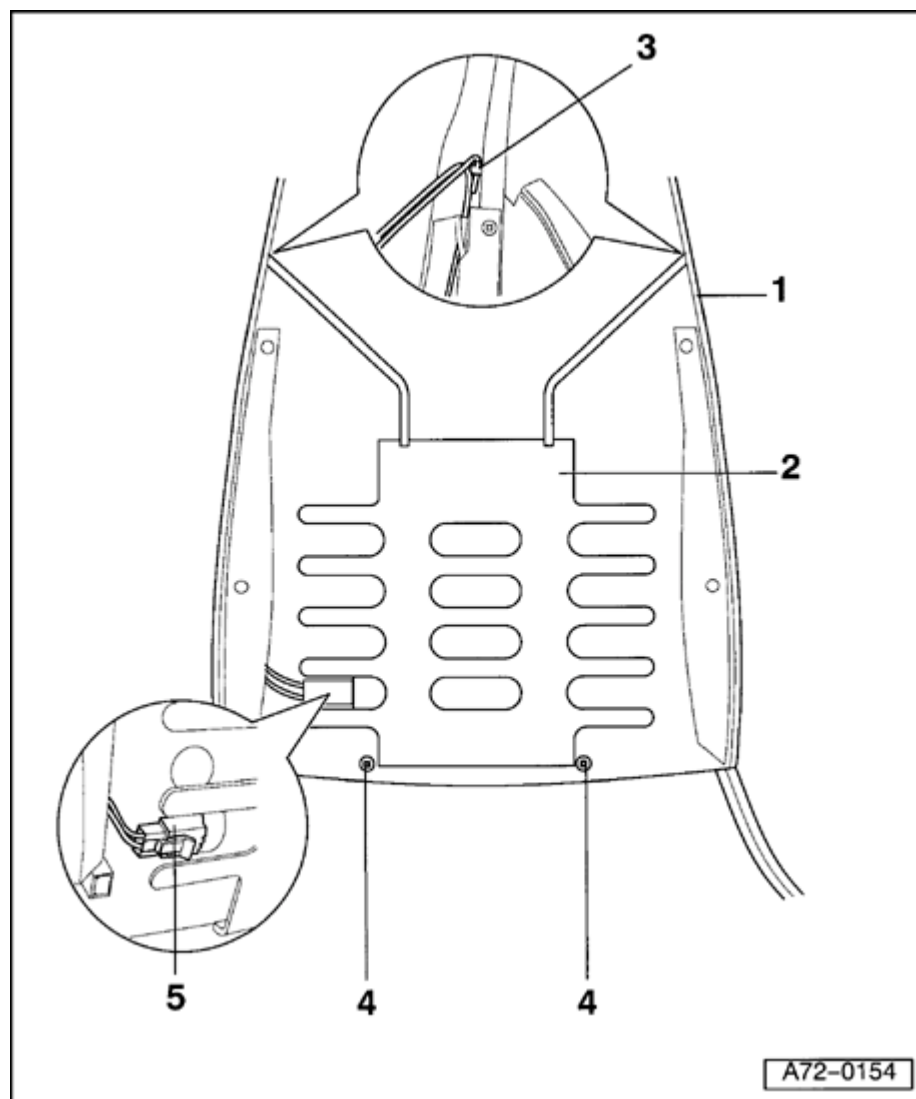
- Move seat fully up.
- Unbolt two bolts -3- on left and right of spring cover -2-.
- Pull off spring cover -2- from right-side of seat.
- Then pull spring toward right so clip -4- detaches from left-side of spring cover.
- Remove spring cover -2- from seat.

Installing:

- Install left side of spring cover -1- with clip -4-.
- Push spring cover -2- onto right-side until it engages.
- Tighten both bolts -3-.

72-44

**3 - Bolts (2x)****4 - Clip**



2-way lumbar support, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

1 - Backrest frame

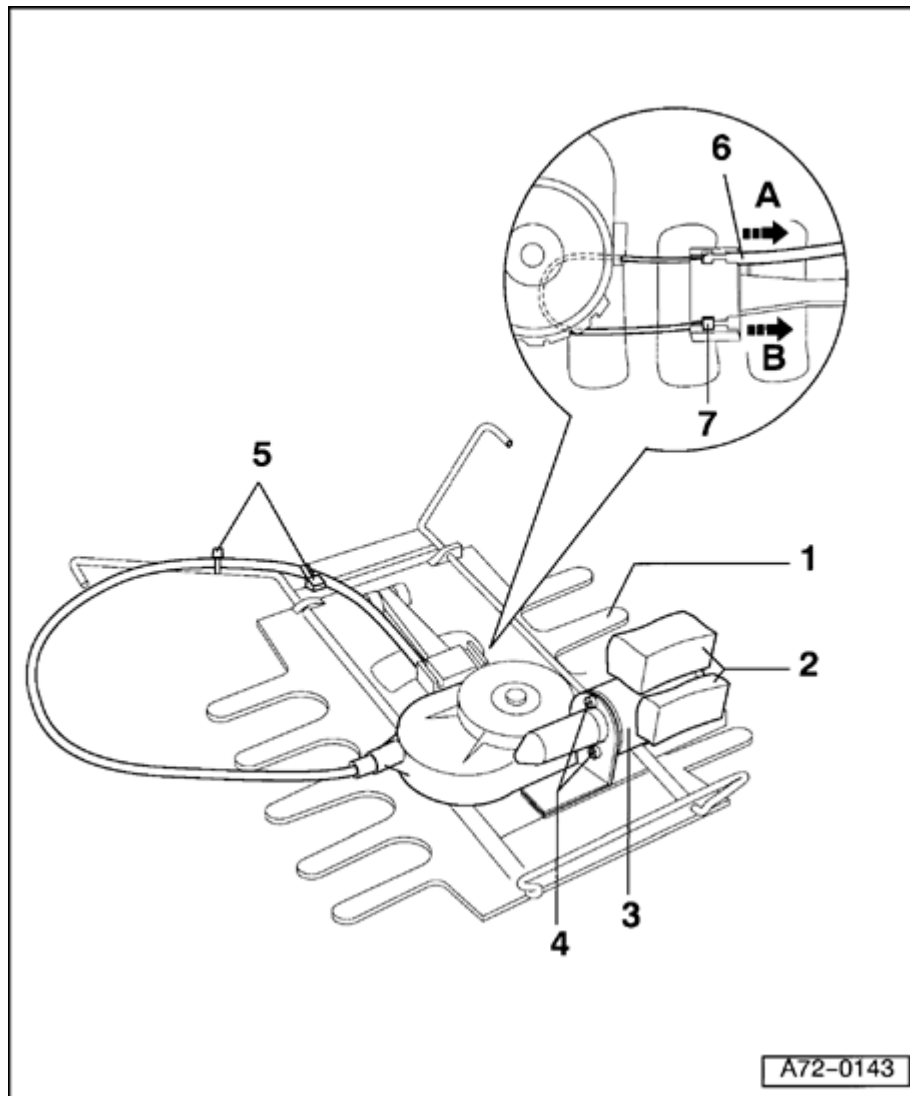
2 - 2-way lumbar support

- Remove seat ⇒ [page 72-25](#).
- Remove backrest upholstery ⇒ [page 74-22](#).
- Disconnect harness connector for lumbar support motor -5-.
- Remove bolts -4- (2x).
- Remove bolts -4- (2x).

3 - Retaining hook

4 - Bolts (2x)

5 - Harness connector for lumbar support motor



Lumbar support motor with transmission, removing and installing

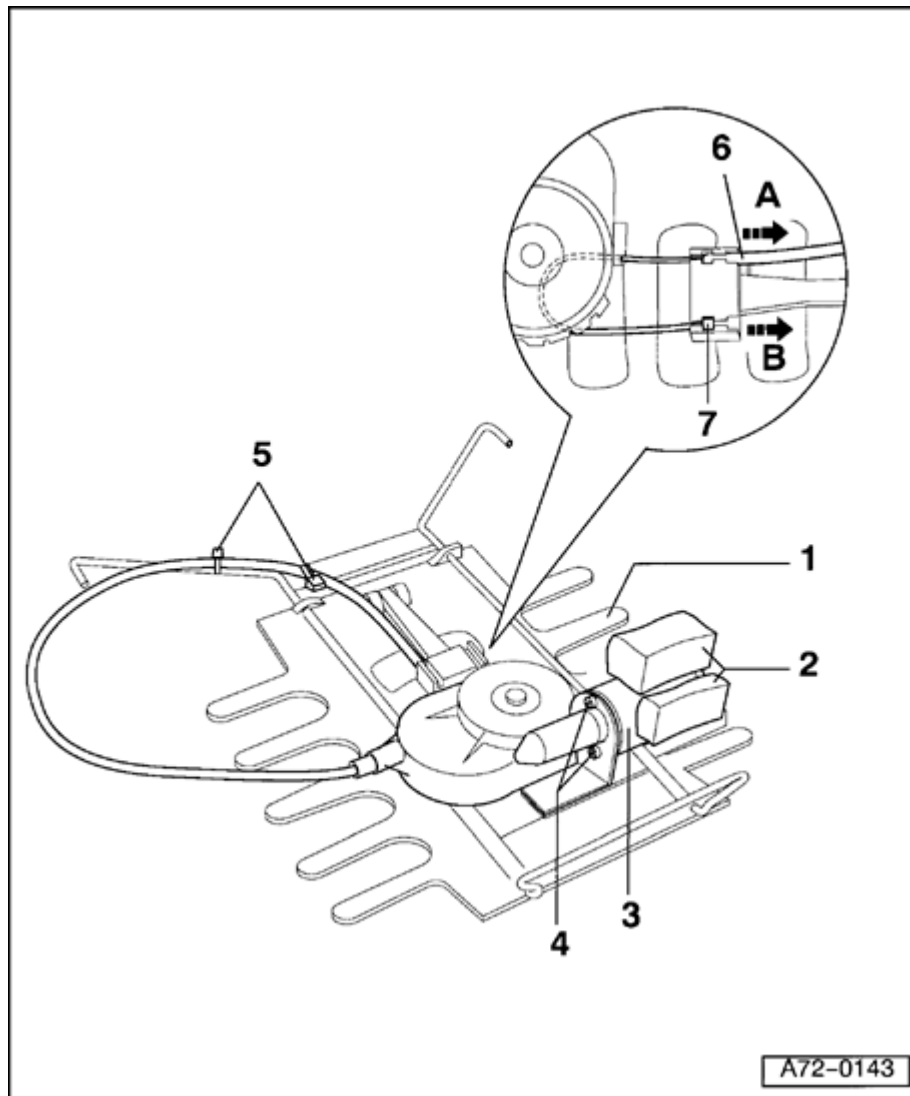
WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#).

1 - Lumbar support body

2 - Foam pieces (2x)

- ◆ If not available as a replacement part, detach foam pieces from old motor and attach to new motor



3 - Motor with transmission and Bowden cable

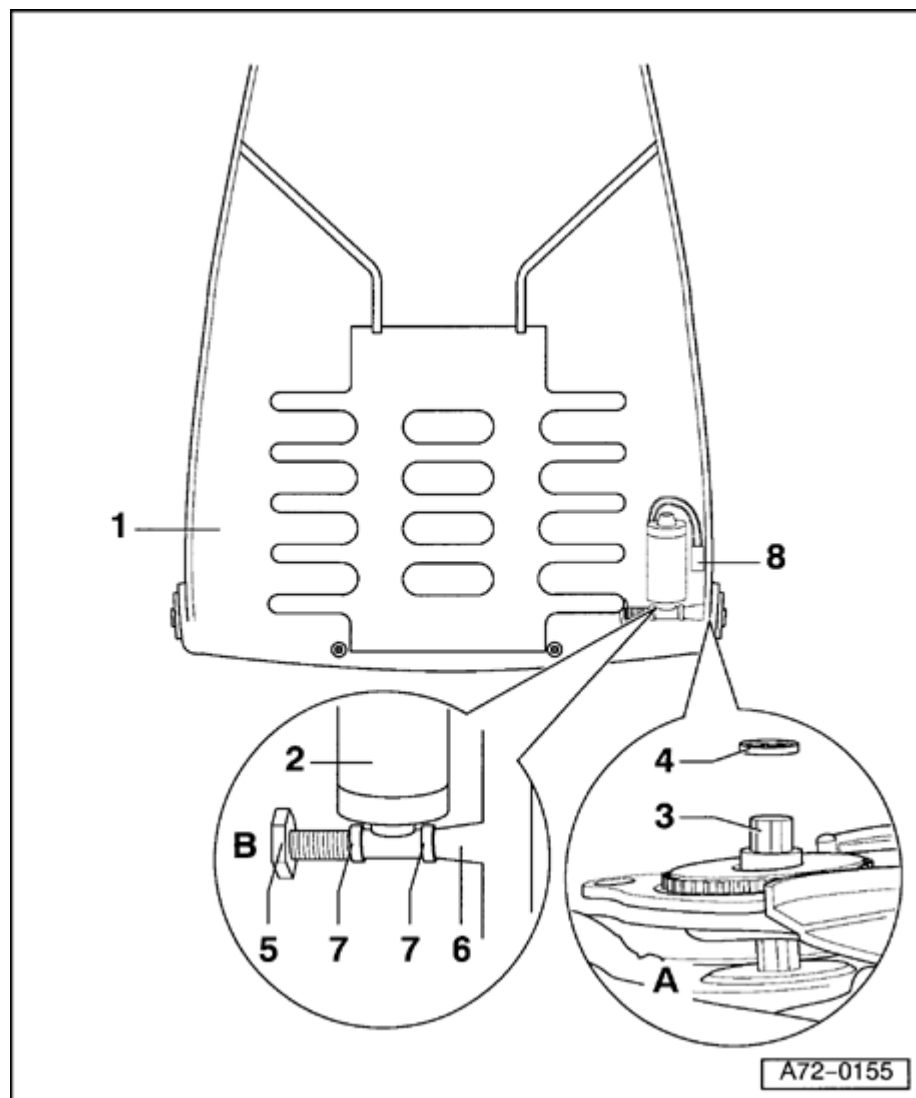
- Remove seat ⇒ [page 72-25](#) .
- Remove 2-way lumbar support ⇒ [page 72-45](#) .
- Cut tie wraps -5- (2x).
- Push lumbar support body together.
- Pull Bowden cable -6- in direction of arrow -A-.
- Detach Bowden cable -6- at pulley.
- Pull set pin -7- in direction of arrow -B- out of bracket.
- Remove bolts -4- (2x).

4 - Bolts (2x)

5 - Tie wraps

6 - Bowden cable

7 - Set pin



Backrest motor with transmission, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

Note:

Illustration only shows backrest.

1 - Backrest frame

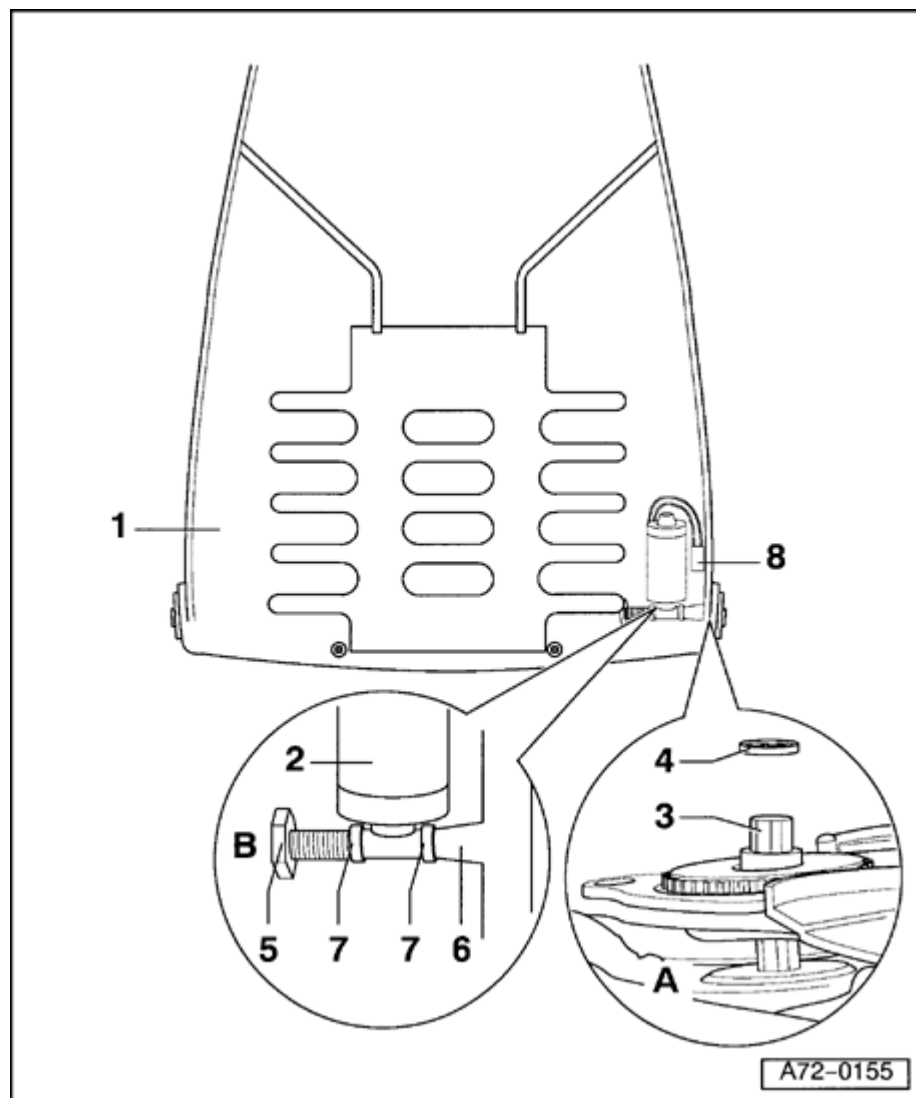
2 - Backrest motor with transmission

Removing:

- Move seat fully up.
- Remove seat ⇒ [page 72-25](#) .
- Remove trim panels ⇒ [page 72-41](#) .
- Remove backrest upholstery ⇒ [page 74-22](#) .
- Using screwdriver, remove spring washer -5- on backrest motor side (-B- in illustration).
- Pull shaft out of backrest frame -1- far enough so backrest motor -2- can be removed.
- Cut all tie wraps on backrest motor using

diagonal cutter.

72-49



- Disconnect harness connector -8-.
- Unbolt mounting screw of backrest motor -5- from welded threaded bushing -6-.
- Remove backrest motor -2-.

Installing:

- Push shaft -3- through backrest motor -2- and backrest frame -1-.
- Secure backrest motor -2- between two plastic washers -7- using mounting screw -5- on threaded bushing -6-.
- Tap locking washer -4- onto shaft -3-.

3 - Shaft

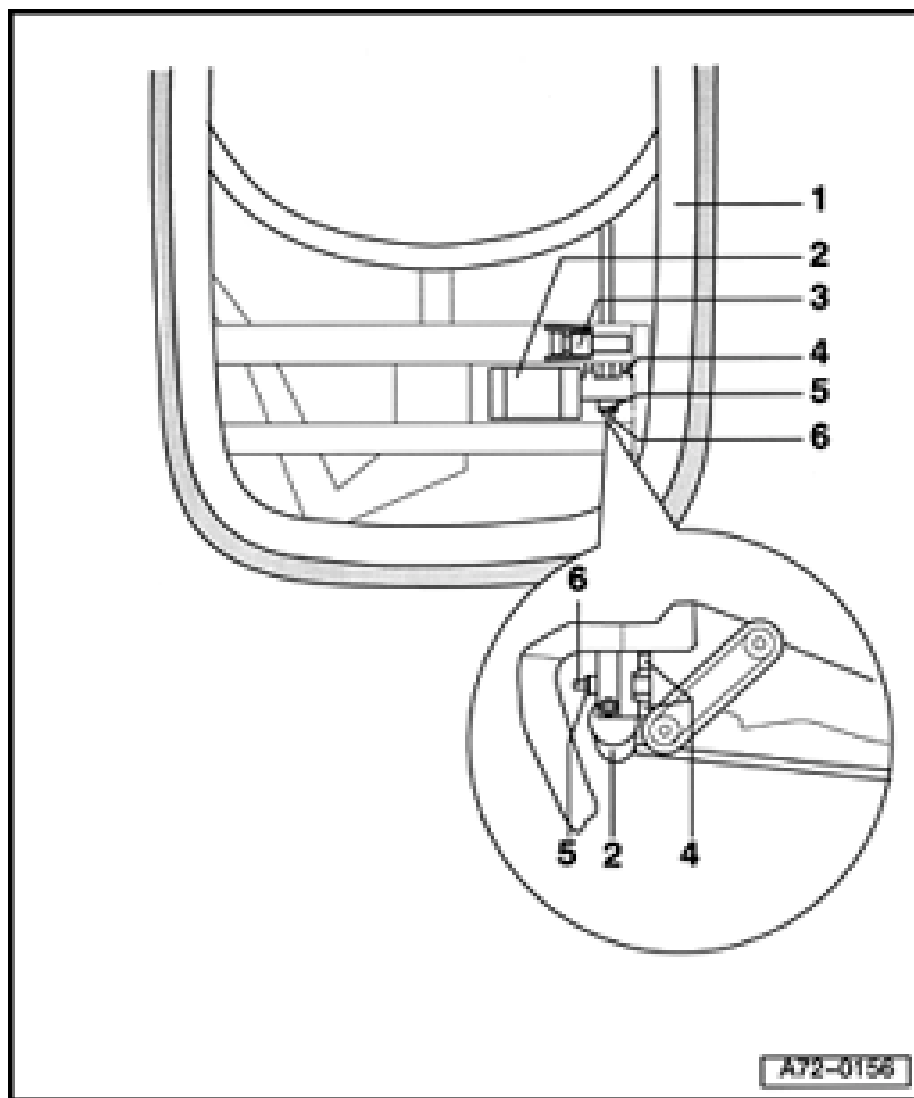
4 - Locking washer

5 - Mounting screw

6 - Threaded bushing

7 - Plastic washers (2x)

8 - Harness connector



Motor for seat height adjustment, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Seat frame

2 - Seat height motor adjustment

Removing:

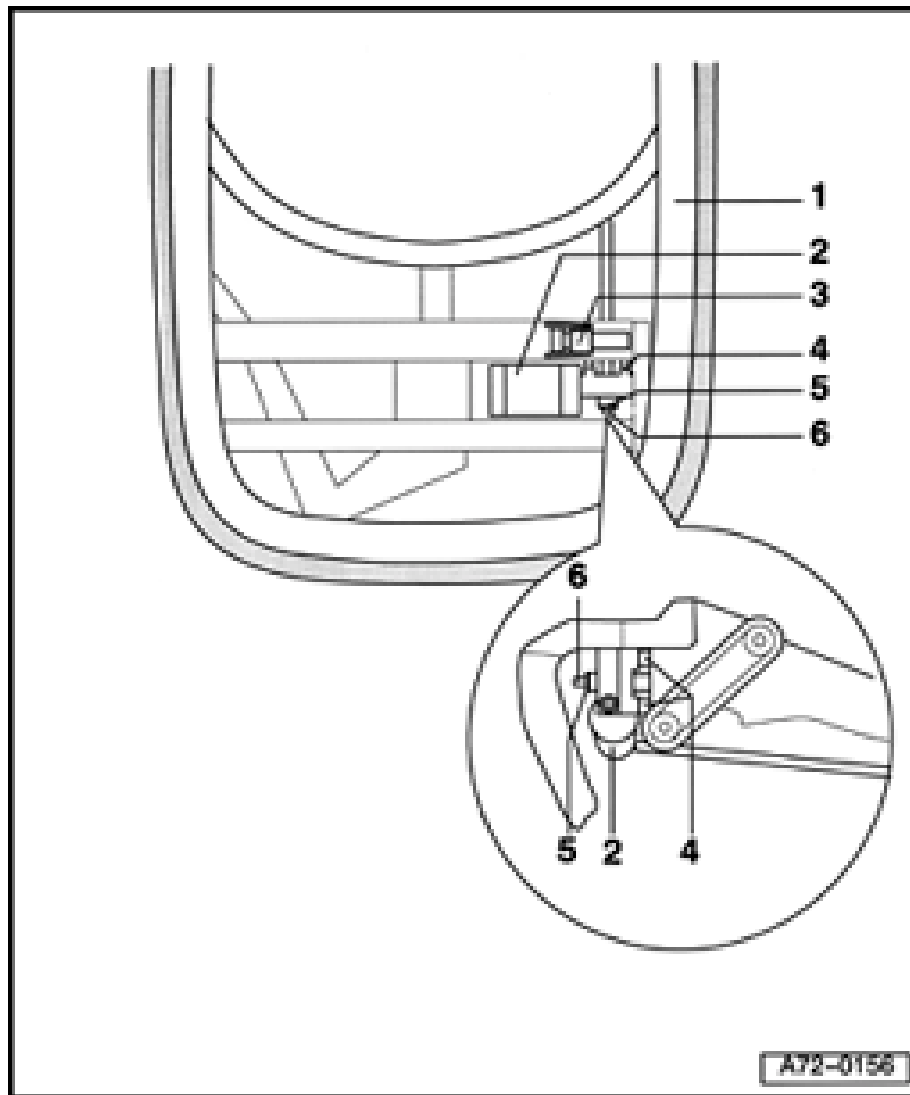
- Move seat fully up.
- Remove seat ⇒ [page 72-25](#) .
- Remove seat cushion ⇒ [page 72-32](#) .
- Disconnect harness connector -3-.
- Disconnect harness connector -3- housing from seat frame.
- Using screwdriver, lift locking washer -5- from shaft -6-.
- Remove motor -2-.

Installing:

Note:

Ensure that bushings -4- are correctly seated in the seat frame.

72-51



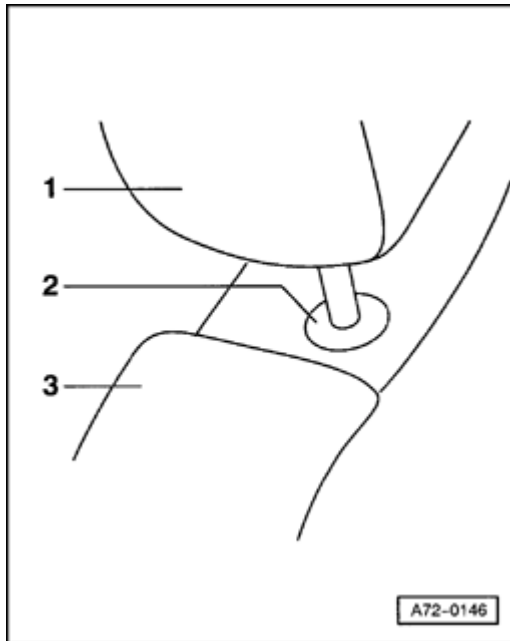
3 - Harness connector for motor

4 - Bushings (2x)

5 - Locking washer

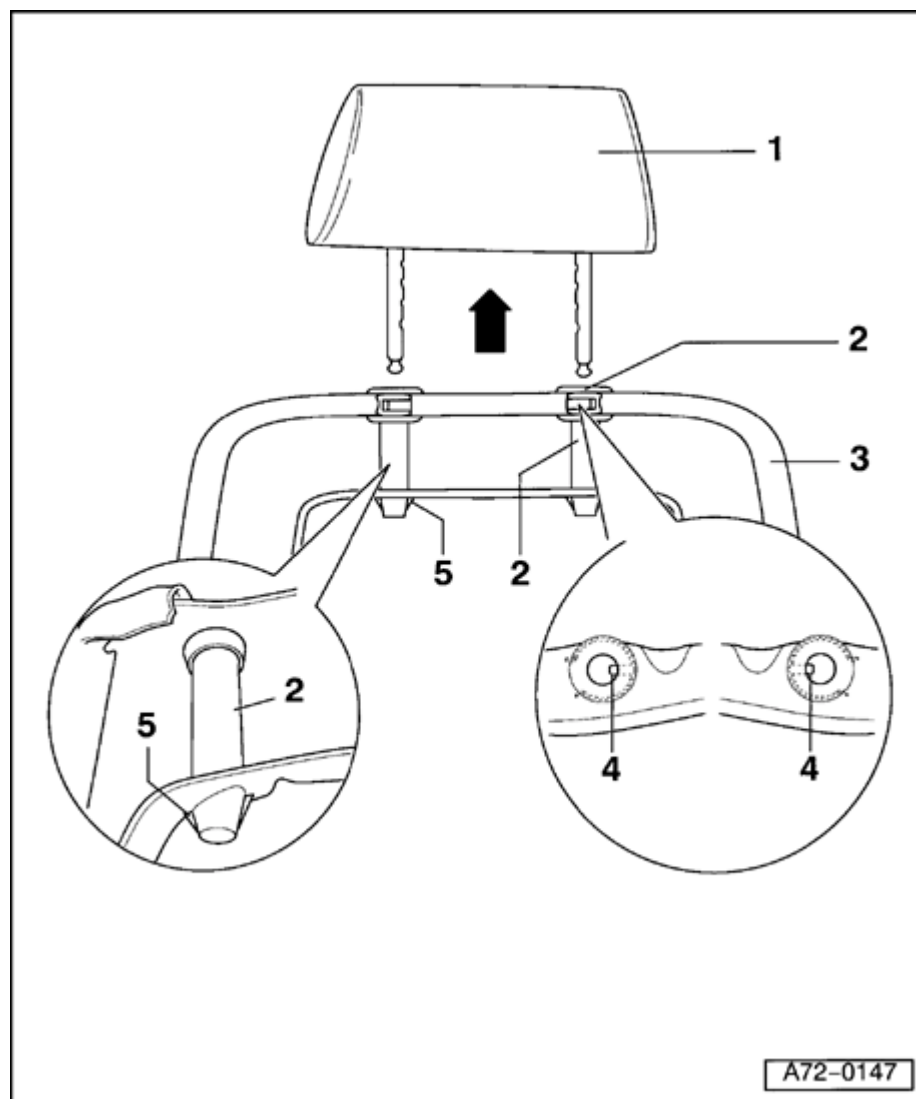
6 - Shaft

Headrest, removing and installing



4

- Press down on guide sleeves -2- from above.
- Press down slightly on headrest -1- to release catch.
- Pull headrest -1- up and off of backrest -3-.



Headrest guides, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Headrest

2 - Headrest guide

Removing:

- Remove headrest -1- ⇒ [page 72-52](#) .
- Remove upholstery from backrest frame - 3- ⇒ [page 74-22](#) .
- Press catches -5- of headrest guide -2- together and pull headrest guide -2- up and off.

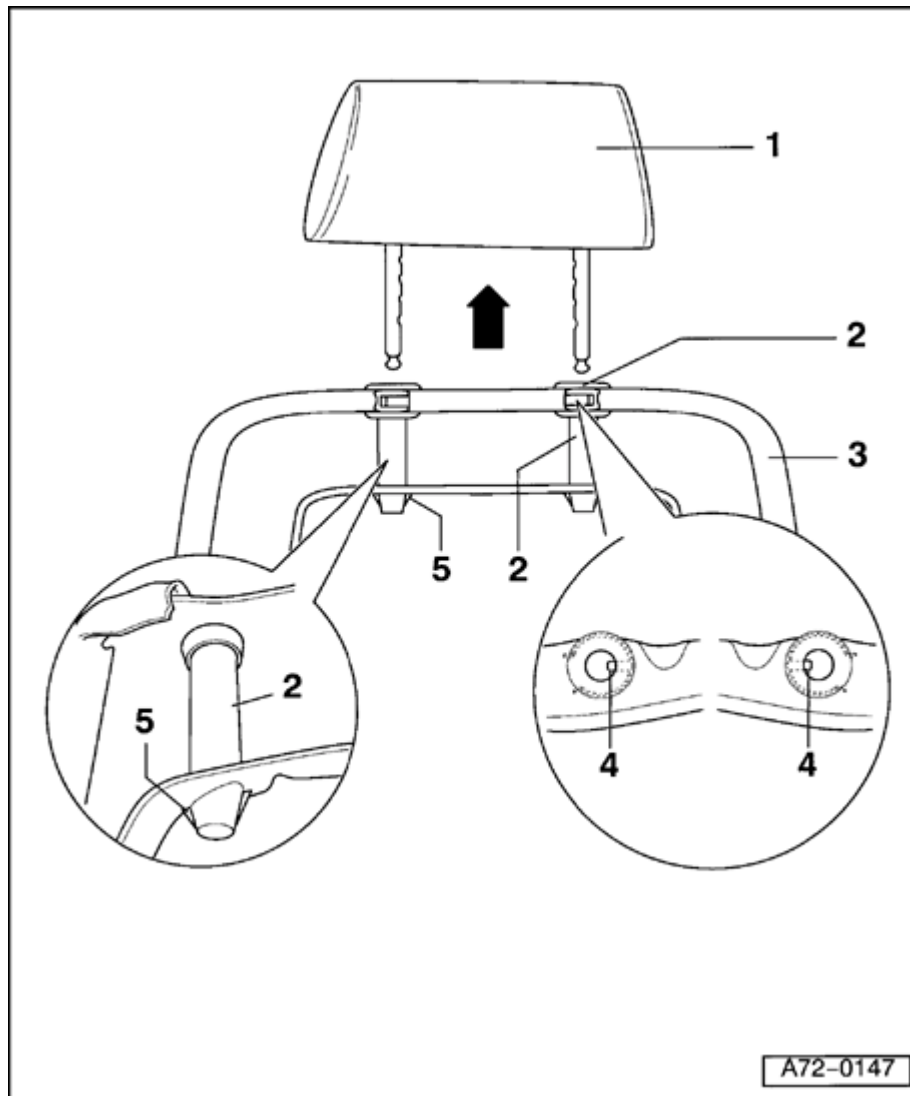
Installing:

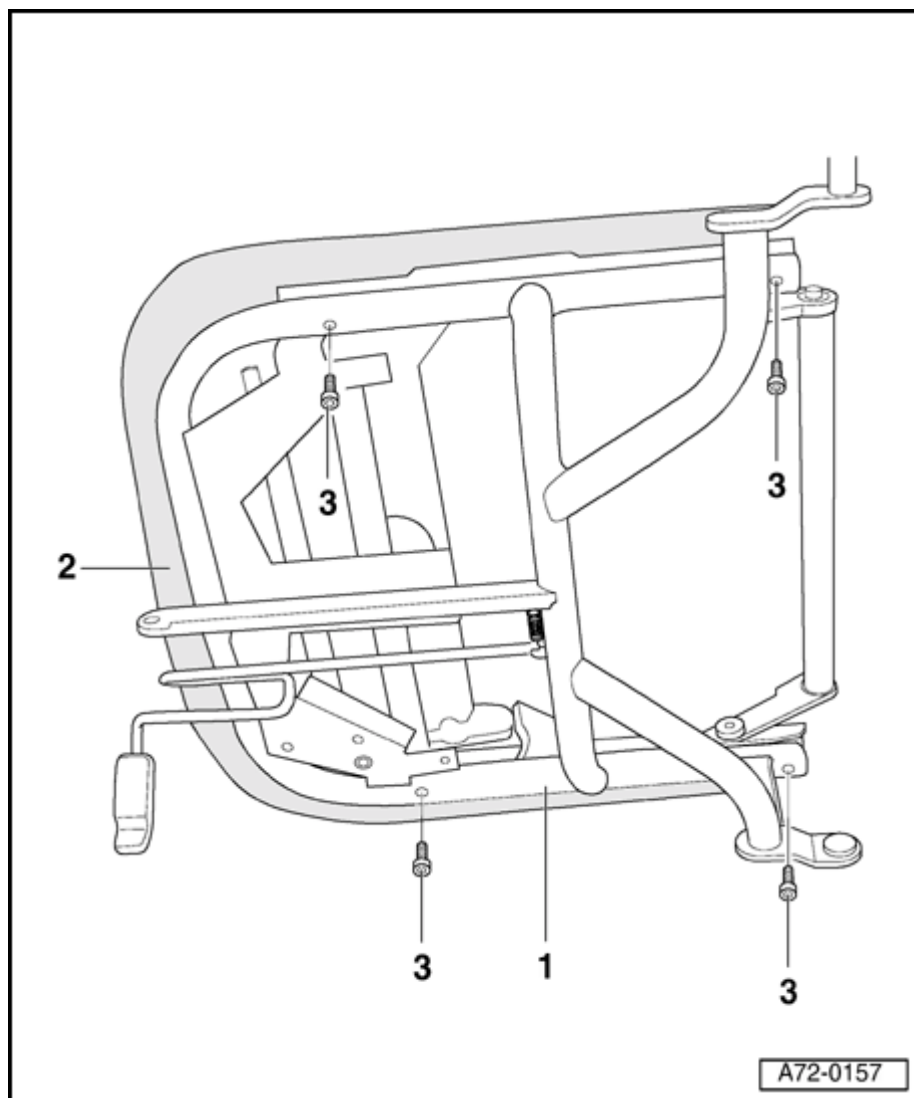
CAUTION!

The locking pins for both headrest guides must be on the inside so that they engage in the height adjustment catches.

- Install headrest guides -2- so locking pins -4- of headrest guides are both on inside.

72-54

**3 - Backrest frame****4 - Locking pins****5 - Catches**



Seat frame, removing and installing

WARNING!

Before starting work on seats, connect VAS 5094 airbag adapter ⇒ [page 72-9](#) .

1 - Seat frame

Removing:

- Remove seat ⇒ [page 72-25](#) .
- Place seat so underside of seat cushion is easily accessible.
- Disconnect tie wraps that are attached to seat frame.
- Unbolt bracket for harness connector (two bolts).
- Unbolt both relays (2x).
- Unbolt bolts -3- (4x) on seat frame -1-.
- Remove seat frame -1- from seat -2-.

Installing:

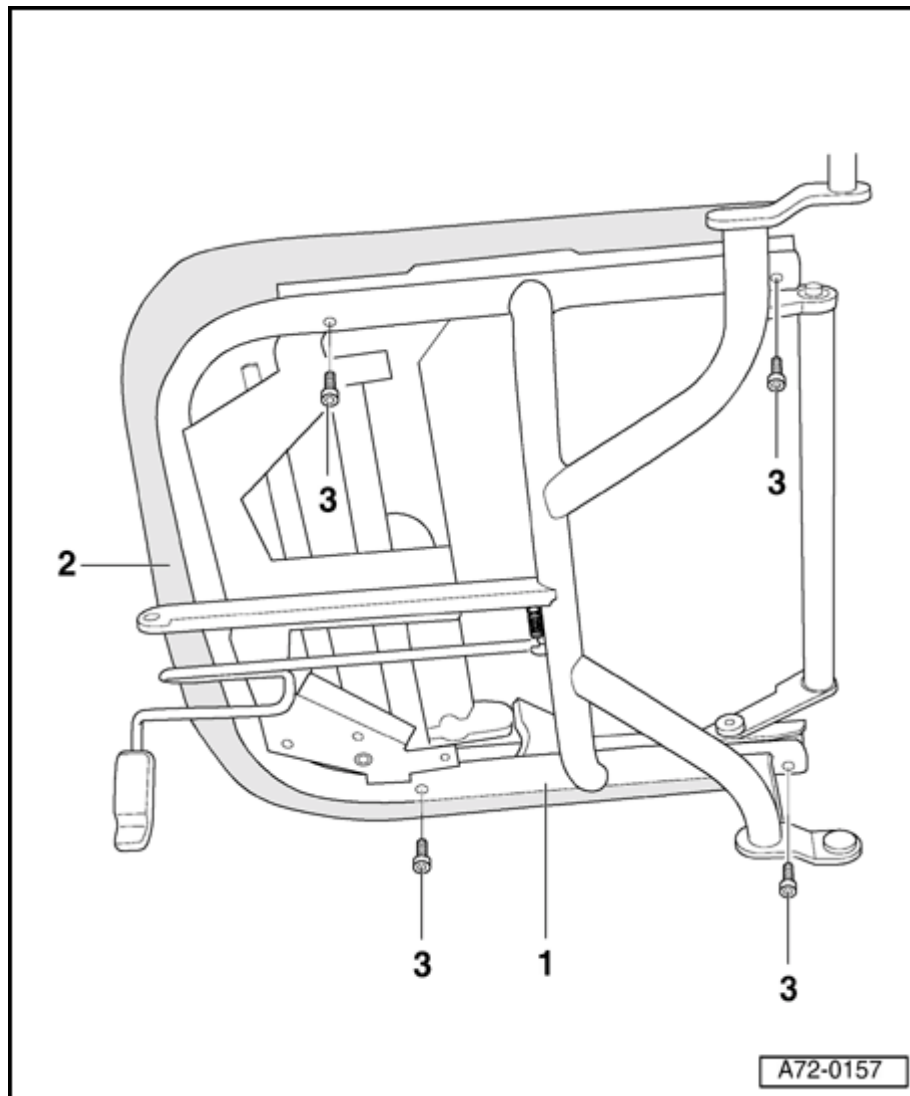
Note:

Always replace bolts -3-.

- Place new seat frame -1- on seat -2-.

- Tighten bolts -3- (4x) to 23 Nm (17 ft lb).

72-56

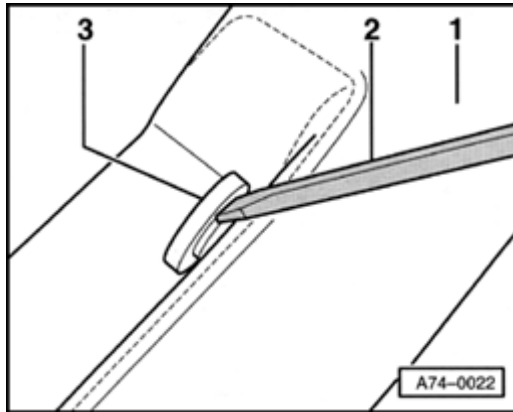
**2 - Seat****3 - Bolts (4x)**

◆ 23 Nm (17 ft lb)

72-57

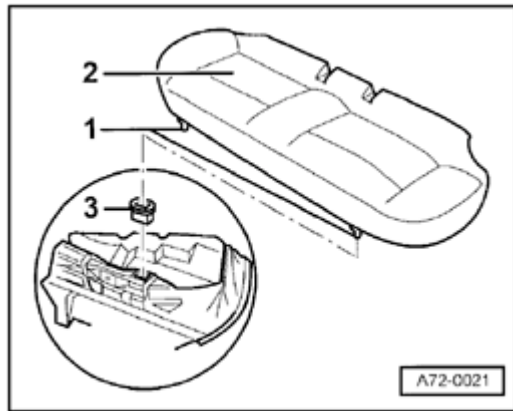
Rear seat

Rear seat, removing and installing



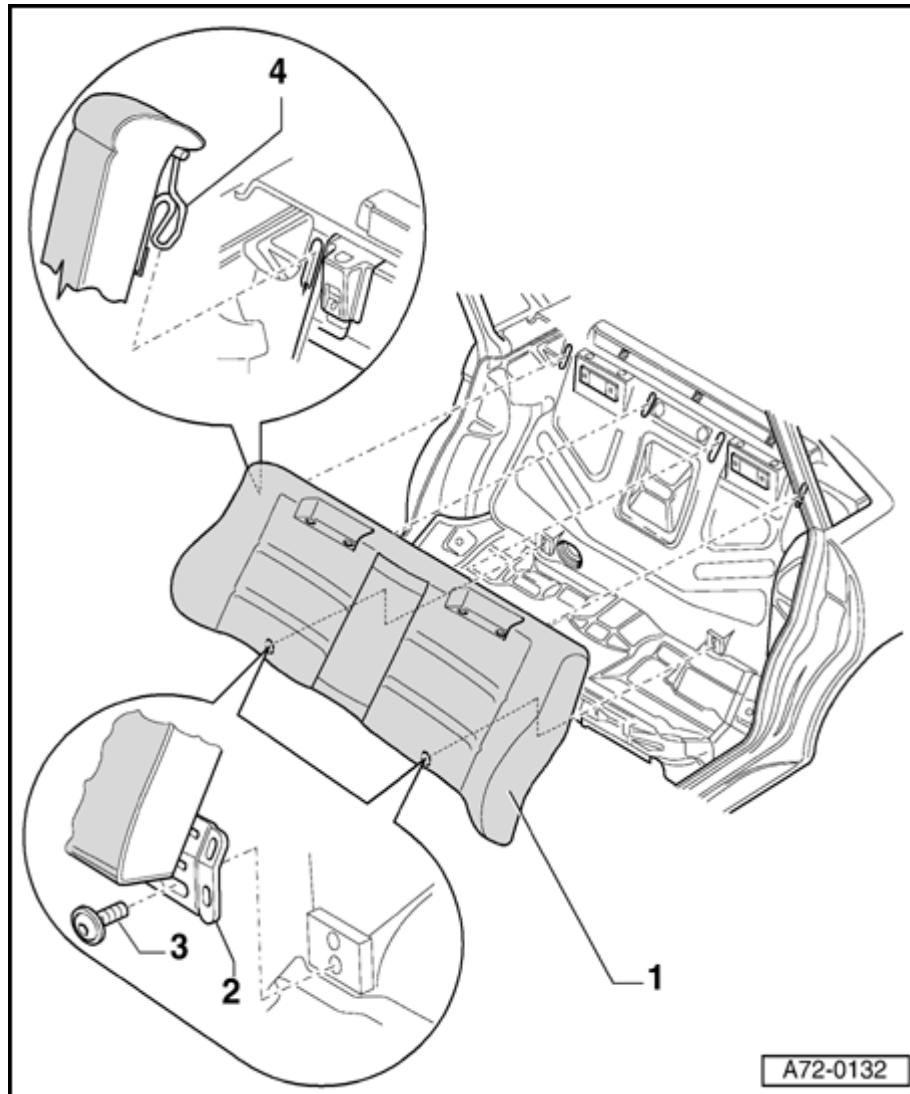
A

- Using screwdriver -2-, carefully lift headrest guides -3- out of rear backrest -1-.



A

- Detach rear seat -2- upward out of mounting -3-.
- To install, brackets -2- must be pushed into mountings -3-.



One-piece rear seat backrest, removing and installing

1 - One-piece backrest

- Remove rear seat ⇒ [page 72-57](#) .
- Remove headrests ⇒ [page 72-70](#) .
- For vehicle with ski sack, remove ski sack frame ⇒ [page 74-31](#) .
- Remove headrest guides ⇒ [page 72-67](#) .
- Remove bolts -3- (2x).
- Push rear backrest -1- up and detach rear backrest -1- from brackets -4- (4x).

Vehicles with LATCH System:

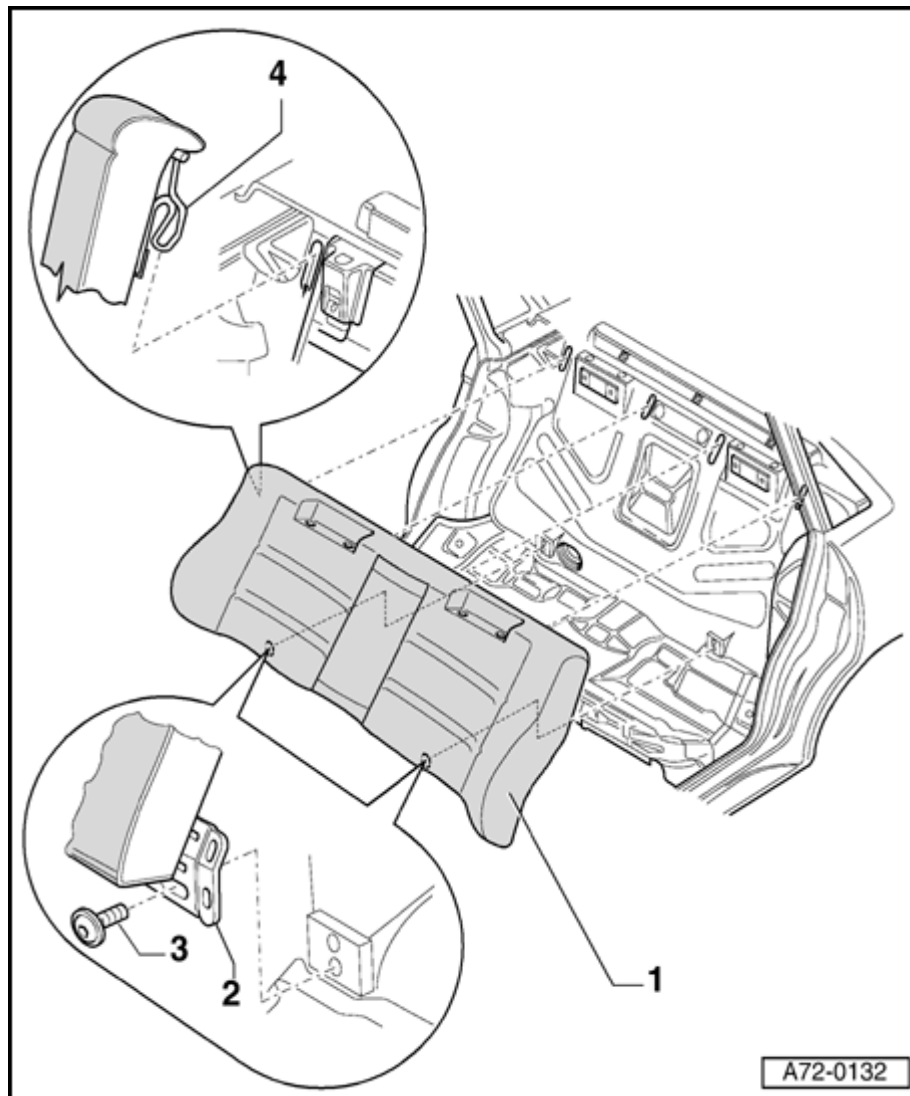
- Remove tabs -2- behind LATCH bracket.

Notes:

- ◆ To install rear backrest, push tab -2- behind LATCH bracket.
- ◆ If LATCH is retrofitted, it may be necessary to flatten tab -2- in vise down to about 3 mm.

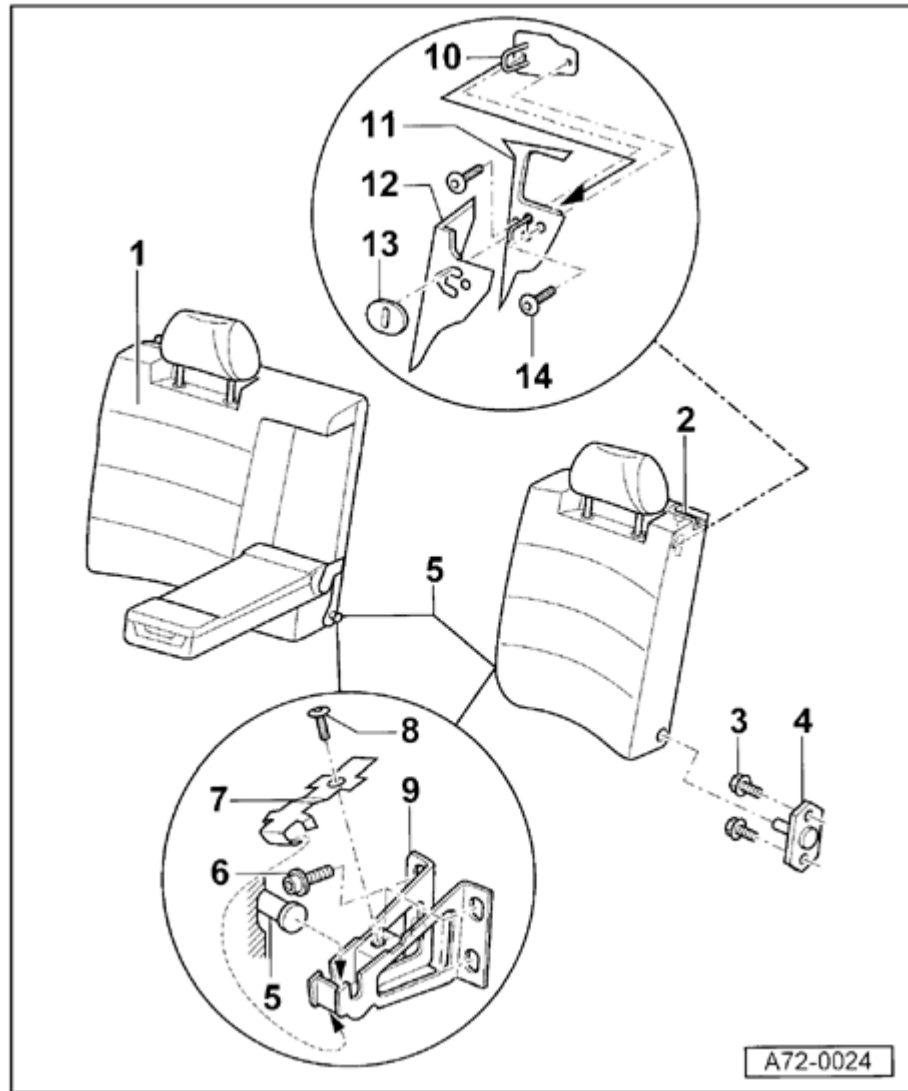
2 - Tab

72-59

**3 - Bolts (2x)**

◆ 8 Nm (71 in. lb)

4 - Hooks (4x)



Split rear seat backrest (Sedan), removing and installing

1 - 2/3 rear backrest

Removing:

- Remove bolt -8- and remove center mounting bracket clip -7-.
- Lift rear backrest out of center mounting bracket -9- and pull toward center of car out of fitting -4-.

Installing:

- ◆ Installation is the reverse of removal

2 - 1/3 rear backrest

- ◆ Removal and installation procedures are same as 2/3 rear backrest

3 - Bolts (2x)

- ◆ 16 Nm (12 ft lb)

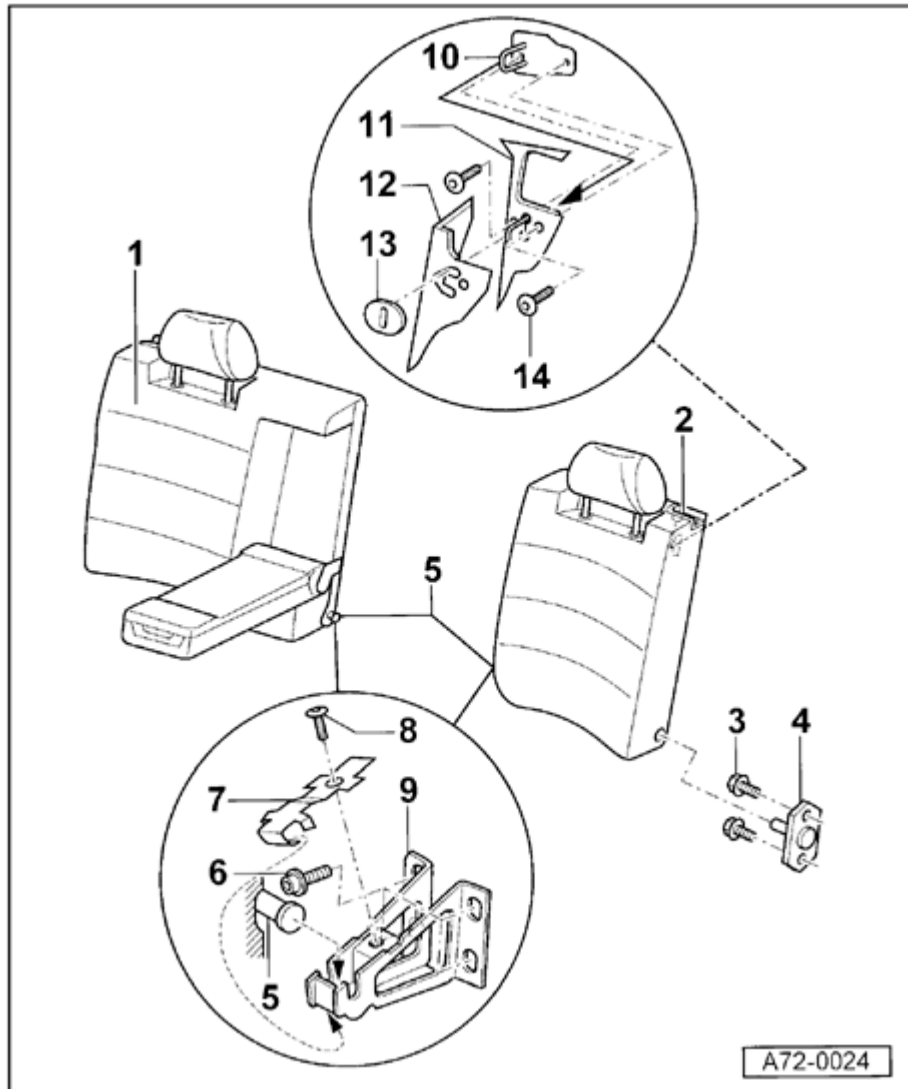
4 - Fitting

5 - Guide for rear backrest

6 - Bolt (4x)

- ◆ 16 Nm (12 ft lb)

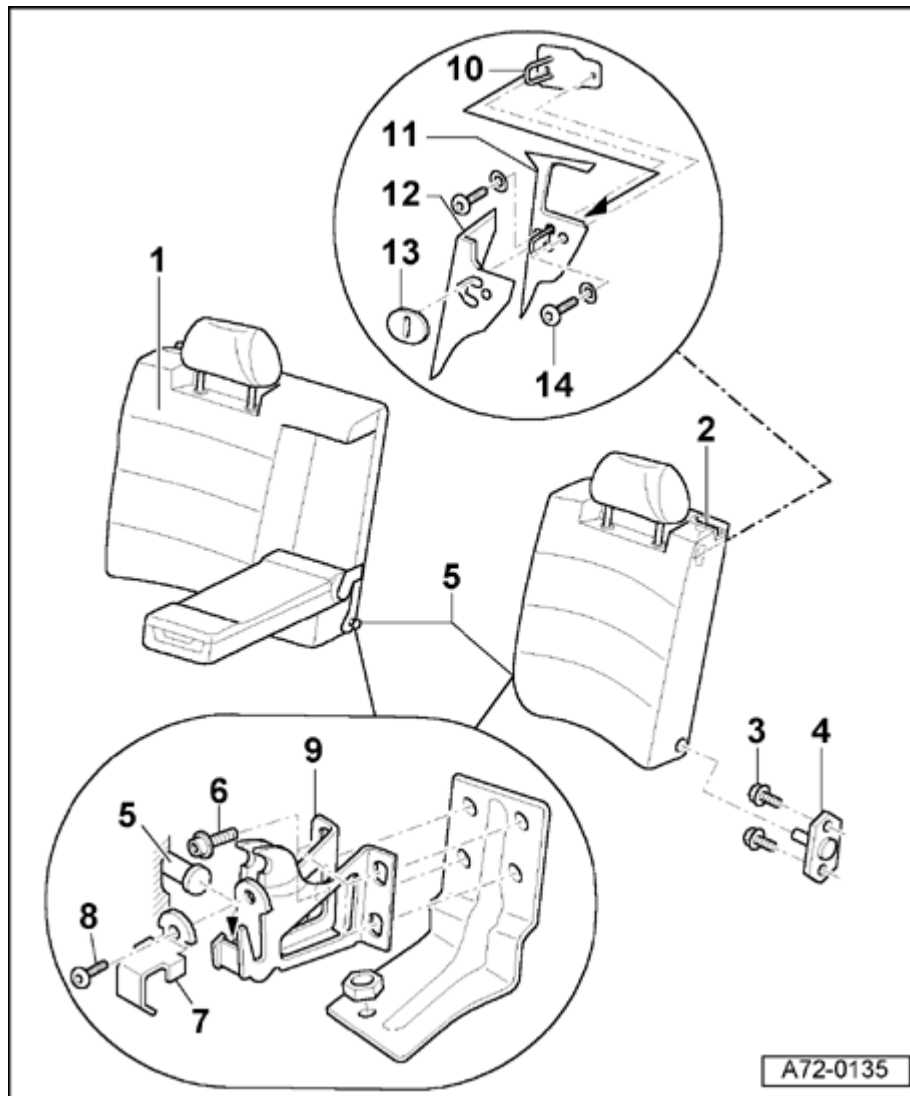
72-61

**7 - Center mounting bracket clip****8 - Bolt**

◆ 8 Nm (71 in. lb)

9 - Center mounting bracket**10 - Locking stirrup****11 - Rear panel****12 - Trunk trim****13 - Base plate****14 - Bolt**

◆ 8 Nm (71 in. lb)



Split rear backrest (Avant ▶m.y. 1998), removing and installing

1 - 2/3 rear backrest

Removing:

- Remove bolt -8- and remove center mounting bracket clip -7-.
- Lift rear backrest out of center mounting bracket -9- and pull toward center of car out of fitting -4-.

Installing:

- ◆ Installation is the reverse of removal

2 - 1/3 rear backrest

- ◆ Removal and installation procedures are same as 2/3 rear backrest

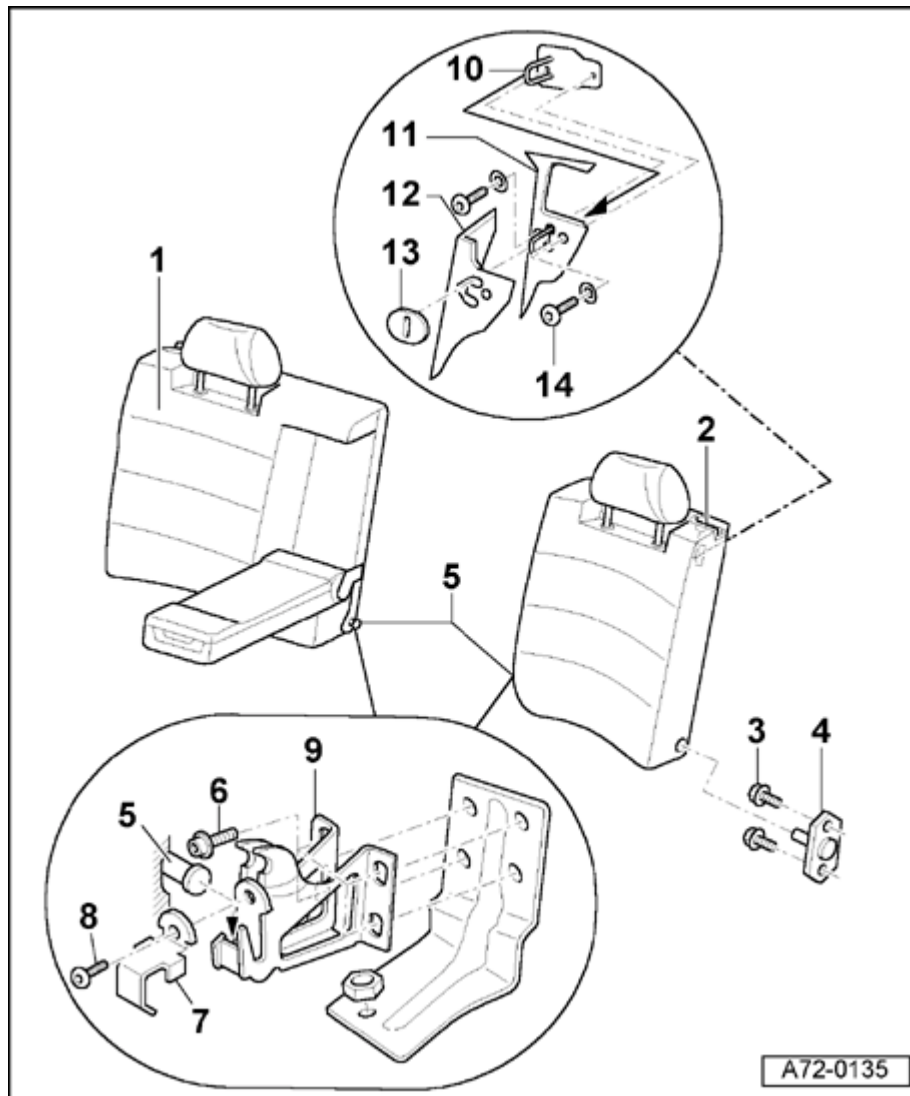
3 - Bolts (2x)

- ◆ 16 Nm (12 ft lb)

4 - Fitting

5 - Guide for rear backrest

72-63

**6 - Bolt (4x)**

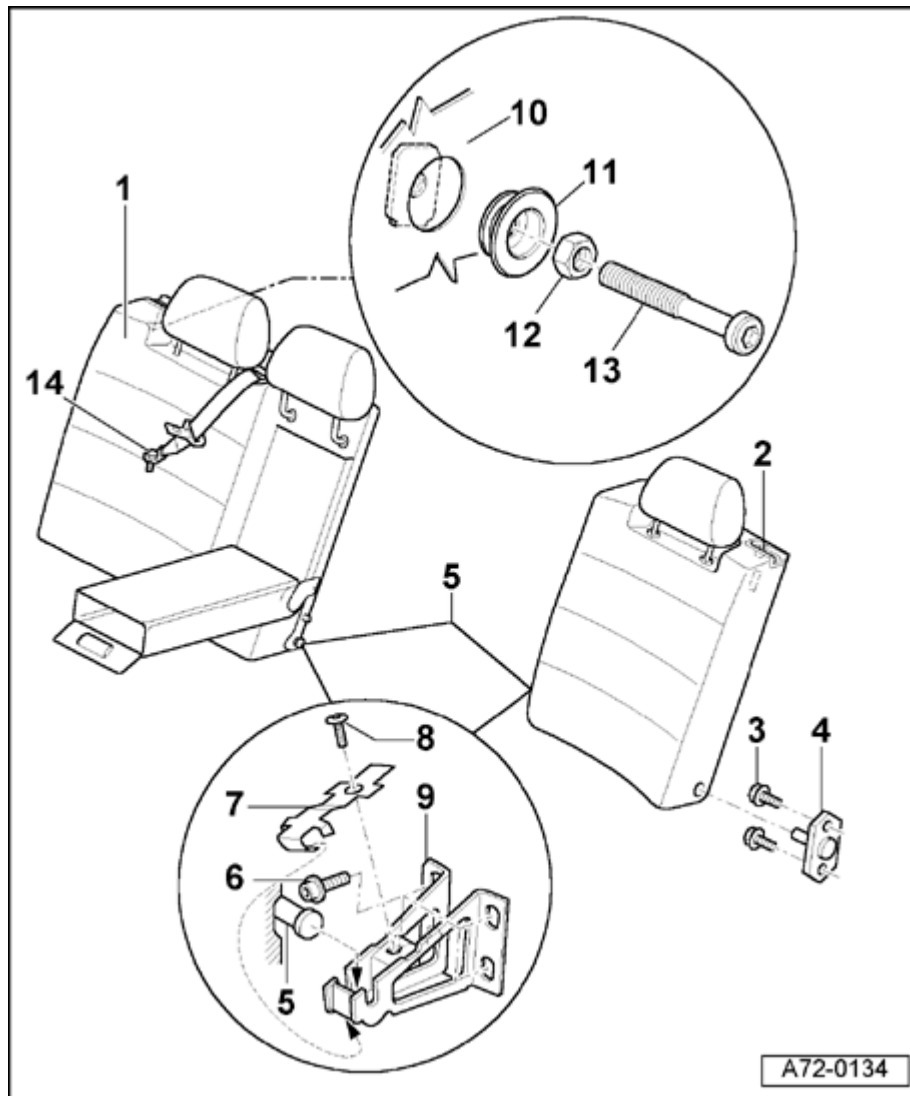
◆ 16 Nm (12 ft lb)

7 - Center mounting bracket clip**8 - Bolt**

◆ 8 Nm (71 in. lb)

9 - Center mounting bracket**10 - Locking stirrup****11 - Rear panel****12 - Trunk trim****13 - Base plate****14 - Bolt**

◆ 8 Nm (71 in. lb)



Split rear backrest (Avant m.y. 1998 ➤), removing and installing

1 - 2/3 rear backrest

Removing:

- Remove rear seat ⇒ [page 72-57](#) .
- Disconnect harness connector to belt tensioner ⇒ [Fig. 2](#) .
- Remove bolt -14-.
- Remove bolt -8- and remove center mounting bracket clip -7-.
- Lift rear backrest out of center mounting bracket -9- and pull toward center of car out of fitting -4-.

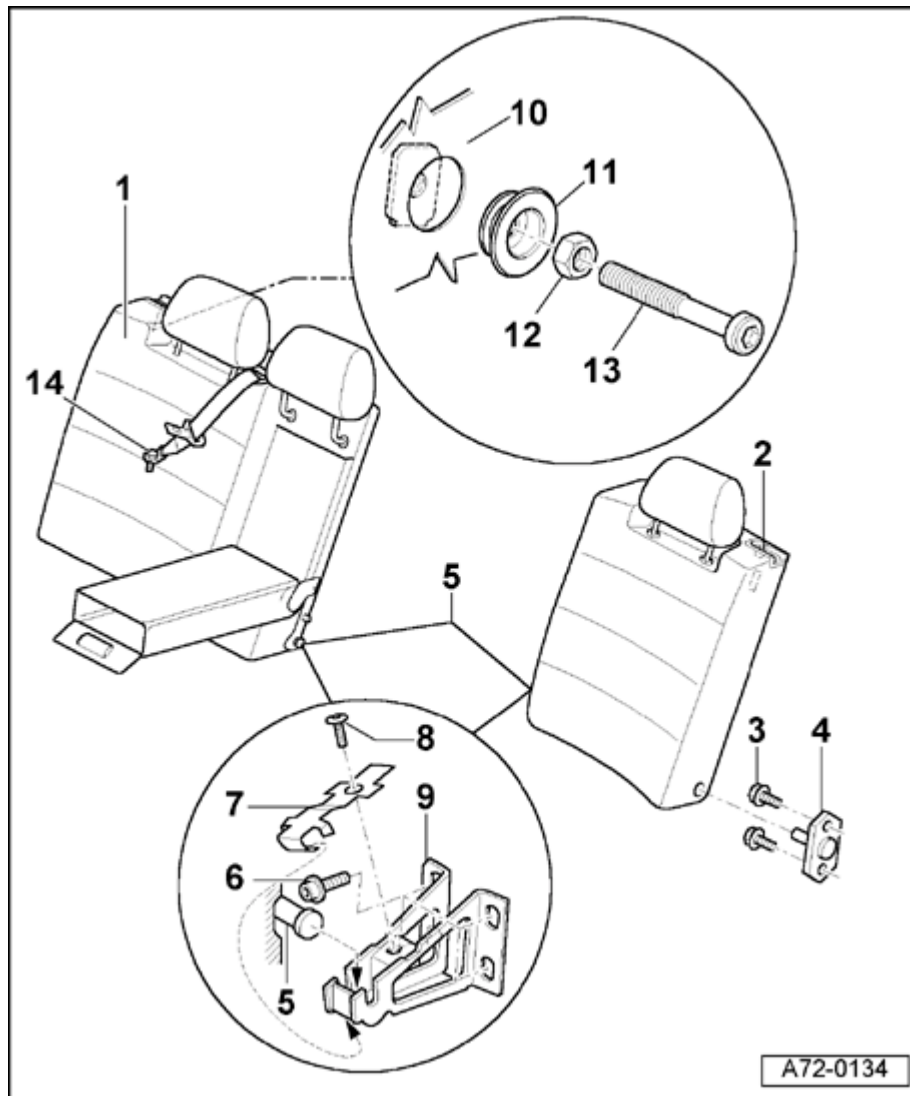
Installing:

- ◆ Installation is the reverse of removal

2 - 1/3 rear backrest

- Remove bolt -8- and remove center mounting bracket clip -7-.
- Lift rear backrest out of center mounting bracket -9- and pull toward center of car out of fitting -4-.

72-65

**3 - Bolts (2x)**

◆ 16 Nm (12 ft lb)

4 - Fitting**5 - Guide for rear backrest****6 - Bolt (4x)**

◆ 16 Nm (12 ft lb)

7 - Center mounting bracket clip**8 - Bolt**

◆ 8 Nm (71 in. lb)

9 - Center mounting bracket**10 - Side trunk trim****11 - Spring washer****12 - Nut**

◆ 55 Nm (41 ft lb)

13 - Latch bolt

- Install latch bolt hand tight and adjust after backrest is installed.

14 - Bolt (1x)

◆ 55 Nm (41 ft lb)

72-66

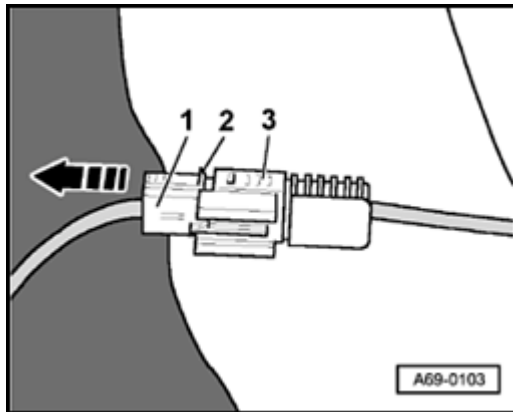
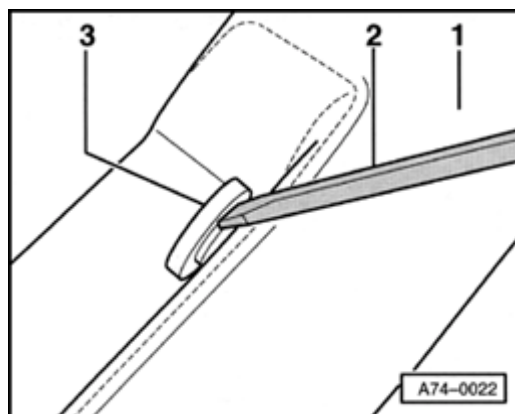


Fig. 2 Disconnecting harness connector for belt tensioner

- Press catches -2- and disconnect harness connector -1- in direction of arrow.

72-67

Headrest guide (one-piece rear backrest), removing and installing

**A**

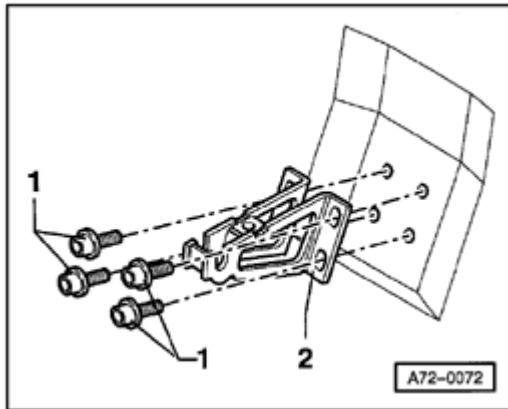
- Using screwdriver -2-, carefully lift headrest guide -3- out of rear backrest -1-.

Note:

Do not damage seat cover when removing headrest guide.

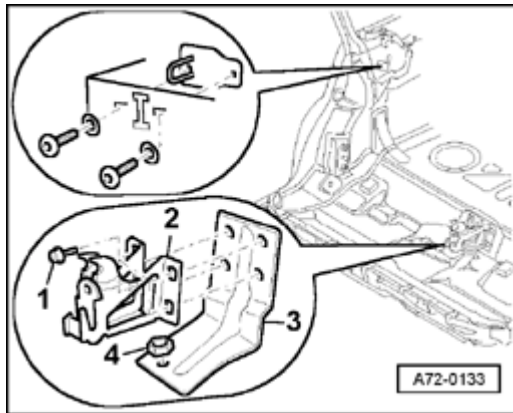
Center mounting bracket (Sedan and Avant m.y. 1998 ➤), removing and installing

- Remove left and right-rear backrests (Sedan) ⇒ [page 72-60](#) .
 - Remove left and right-rear backrests (Avant) ⇒ [page 72-64](#) .
 - Remove bolts -1- (4x) from center mounting bracket -2-.
- Tightening torque: 16 Nm (12 ft lb)



Center mounting bracket (Avant ➤ m.y. 1998), removing and installing

- Remove left and right-rear backrests ⇒ [page 72-62](#).

**A**

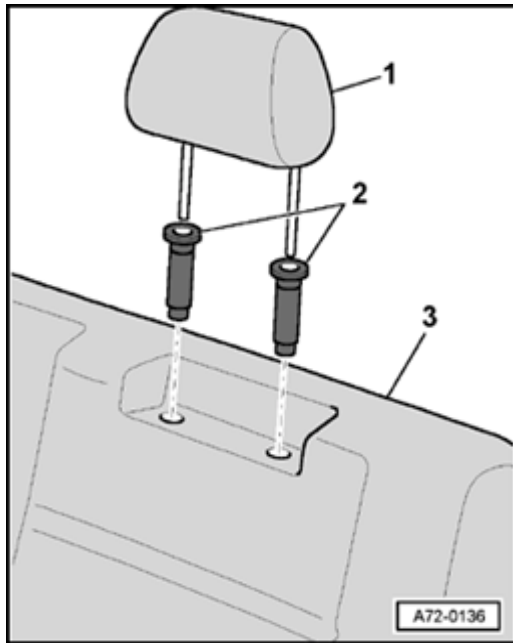
- Remove bolts -1- (4x) from center mounting bracket -2-.
Tightening torque: 16 Nm (12 ft lb)
- Center mounting bracket support -3- (only for vehicles with front wheel drive).
- Remove nut -4-.
Tightening torque: 5 Nm (44 in. lb)

72-70

Headrest, removing and installing

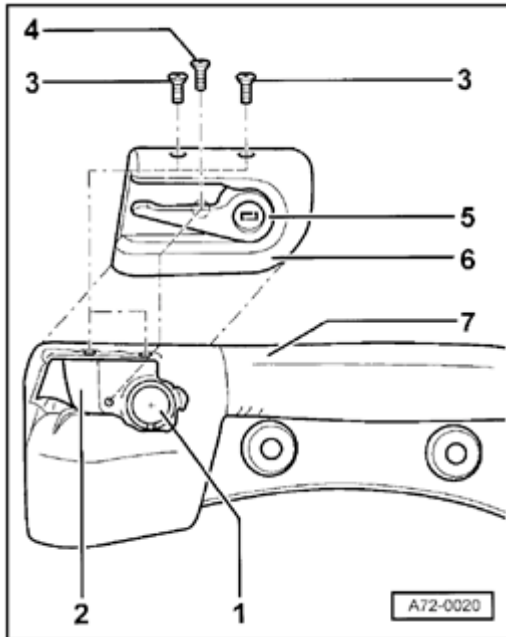
4

- Press button on left headrest guide -2-.
- Pull headrest -1- up and off of rear backrest -3-.



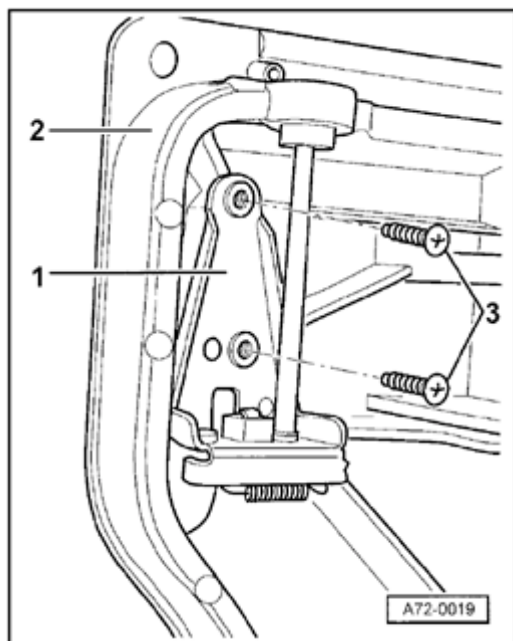
72-71

Lock for split rear backrest (Sedan and Avant ➤ m.y. 1998), removing and installing



- Remove screws -3- (2x).
- Push release lever -5- back and remove bolt -4-.
- Remove lock -6- from rear backrest -2-.
- When installing lock -6-, release lever -5- has to engage in groove for release -1-.

72-72



- Remove rear backrest upholstery in area near lock.

A

- Remove screws -3- (2x).

- Remove release -1- downward out of rear backrest.

Lock for split rear backrest (Avant m.y. 1998 ➤), removing

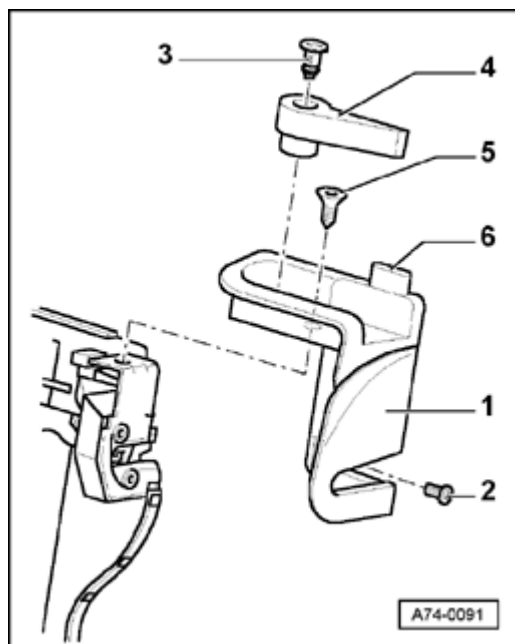
Removing lock trim

4

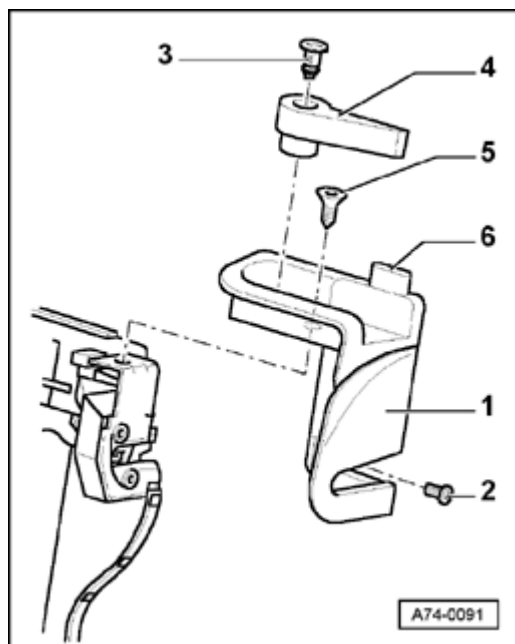
- Remove bolt -2-.
- Tightening torque: 1.5 Nm (13 in. lb)
- Remove bolt -5-.
- Tightening torque: 5 Nm (44 in. lb)
- Pull lock trim -1- up and remove.

Removing lock lever

- Lock trim removed
- Detach lock lever -4- from below from catches (2x).
- Lift up lock lever -4- using screwdriver.



72-74



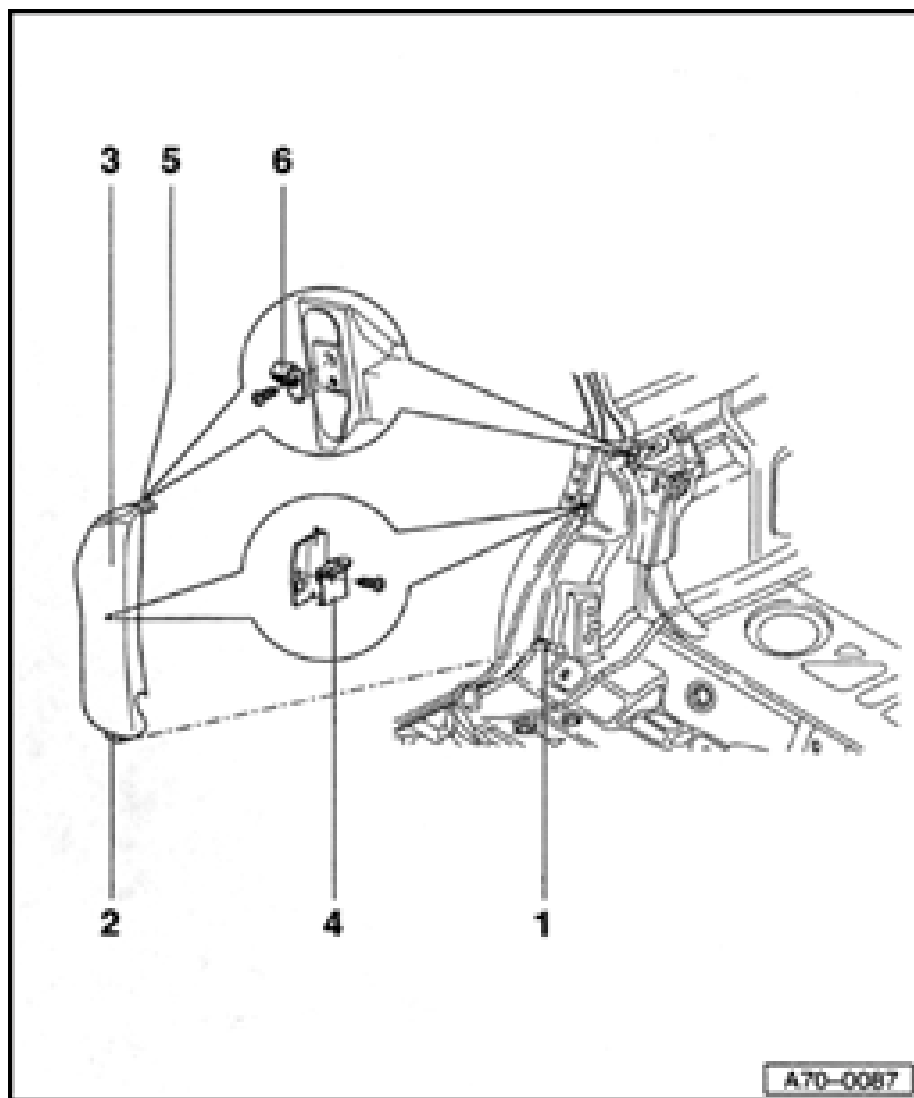
Removing locking cylinder

A

- Ignition key is required to remove and install locking cylinder -3-
- Locking lever -4- removed
- Using screwdriver, lift catches while simultaneously pressing out locking cylinder -3-.

Warning indicator

- ◆ When rear backrest is locked, pin -6- is 1-2 mm above lock trim.
- ◆ If rear backrest is not locked, pin -6- is approx. 20 mm above lock trim -1- and a red mark is visible.



Side bolster, removing and installing

1 - Metal tab

- Remove rear seat ⇒ [page 72-57](#) .
- Push backrest forward.
- Bend metal tab open and detach bracket -2-.

2 - Bracket

3 - Side bolster

4 - Hook

- Detach side bolster from hook.

5 - Bracket

6 - Mounting

- Push upper part of side bolster toward rear and detach bracket from mounting in upward direction.

Note:

When installing the side bolster, ensure that bracket -5- engages in retaining clip -6-, and that bolster frame -3- engages in hook -4- on door flange.