

Repair Manual Audi TT 2007 ➤

Body Exterior

Edition 11.2010

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List of Workshop Manual Repair Groups

Repair Group

- 00 - General, Technical Data
- 50 - Body Front
- 55 - Hood, Lids
- 57 - Front Doors, Central Locking System
- 61 - Convertible Top
- 63 - Bumpers
- 64 - Glass, Window Regulators
- 66 - Exterior Equipment



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Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

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00 – General, Technical Data

1 General Information

⇒ [“1.1 Lines, Routing and Securing”, page 1](#)

⇒ [“1.2 Contact Corrosion”, page 1](#)

⇒ [“1.3 Adhesive Tape Surfaces”, page 1](#)

1.1 Lines, Routing and Securing

When removing and installing hydraulic and pneumatic lines or electrical wires, make a sketch or take a photo to remember the original installation locations.

1.2 Contact Corrosion

Contact corrosion can occur if incorrect connecting elements (bolts, nuts, washers, etc.) are used.

For this reason, only connecting elements with a special surface coating are installed.

Furthermore, all rubber or plastic and adhesive are made of non-conductive materials.

If you have doubts about the reusability of parts, use new parts from the replacement parts catalog.



Note

- ◆ *It is recommended to use only original replacement parts as they have been tested and are compatible with aluminum.*
- ◆ *It is recommended to use Audi accessories.*
- ◆ *Warranty does not cover contact corrosion damage.*

1.3 Adhesive Tape Surfaces

- ◆ The vehicle must be at room temperature before the installation of self-adhesive cover, door seal molding, etc. when using adhesive tape.
- ◆ The adhesive surfaces on the body must be free of dirt and grease.
- ◆ Clean the adhesive surfaces using cleaning solution -D 009 401 04- .
- ◆ Warm the adhesive areas to approximately 104 °F (40 °C) using a hot air gun.
- ◆ After installing the covers with adhesive tape, use a roller and press the adhesive tape one more time to make sure it is on securely.
- ◆ After that, pull on the adhesive tape by hand just to make sure it is on.

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50 – Body Front

1 Removal and Installation

⇒ [“1.1 Front Fenders”, page 2](#)

⇒ [“1.2 Engine Mount Brace”, page 3](#)

⇒ [“1.3 Lock Carrier with Attachments”, page 4](#)

⇒ [“1.4 Plenum Chamber Cover”, page 5](#)

⇒ [“1.5 Engine Mount Brace Reinforcement”, page 6](#)

⇒ [“1.6 Bumper Bracket”, page 7](#)

⇒ [“1.7 Noise Insulation Frame”, page 8](#)

⇒ [“1.8 Fender Brace”, page 8](#)

⇒ [“1.9 Fender End Plate”, page 9](#)

1.1 Front Fenders

1 - Bolt

- 11 Nm

2 - Bracket

3 - Fender

- Removing
- Loosen sill panel cover in fender area.
- Headlamp removed, refer to ⇒ [Electrical Equipment; Rep. Gr. 94](#) ; Removal and Installation

– Remove the front bumper:

- Audi TT: ⇒ [“2.1.2 Front Bumper”, page 165](#) ,

- Audi TT RS: ⇒ [“2.2.1 Front Bumper”, page 170](#)

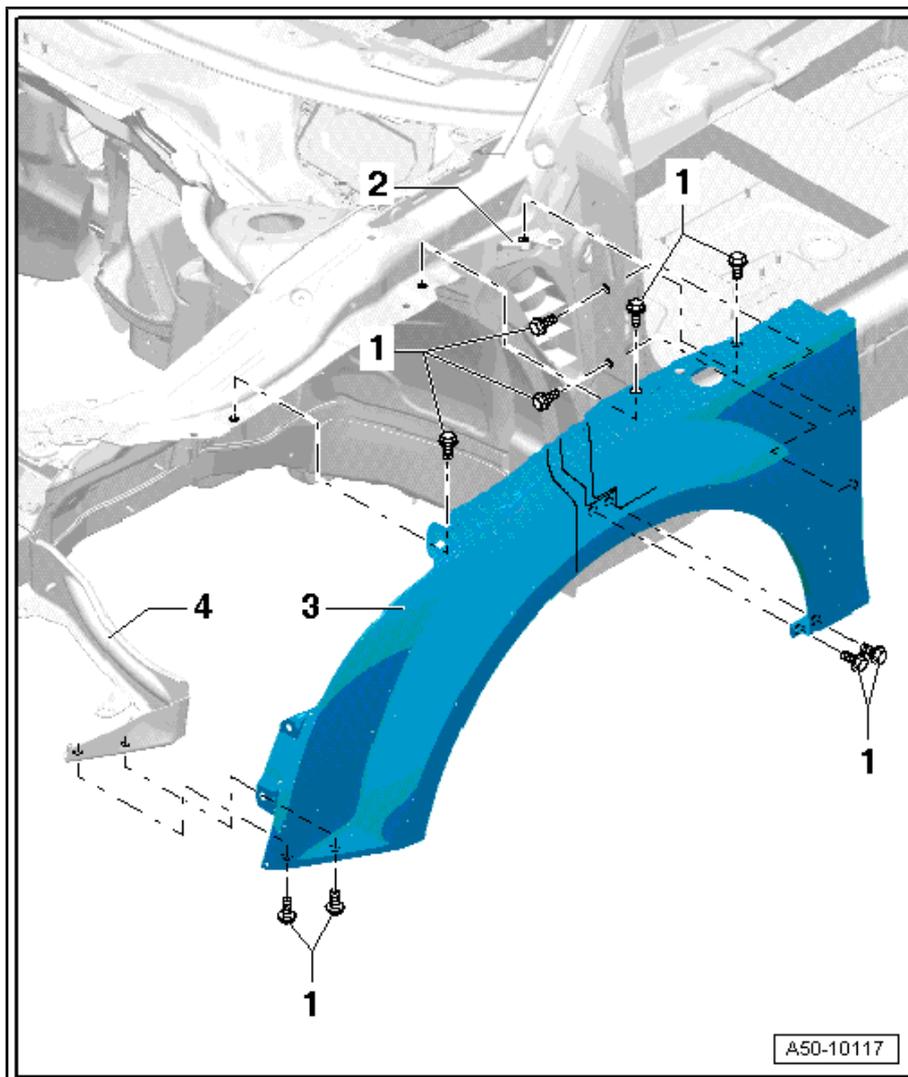
– Remove wheel housing liner. Refer to ⇒ [“3.8.1 Front Wheel Housing Liner”, page 255](#) .

– End plate, removing, refer to ⇒ [page 9](#)

– Remove bolts and remove fender.

- Installation: in reverse order.

4 - Brace



1.2 Engine Mount Brace

Roadster

1 - Engine mount

Removal, refer to ⇒ Engine Mechanical, Fuel Injection and Ignition; Rep. Gr. 10 ; Specifications

2 - Engine mount brace

- ❑ Remove nut -5- and bolts -3-.

3 - Bolt

- ❑ 23 Nm

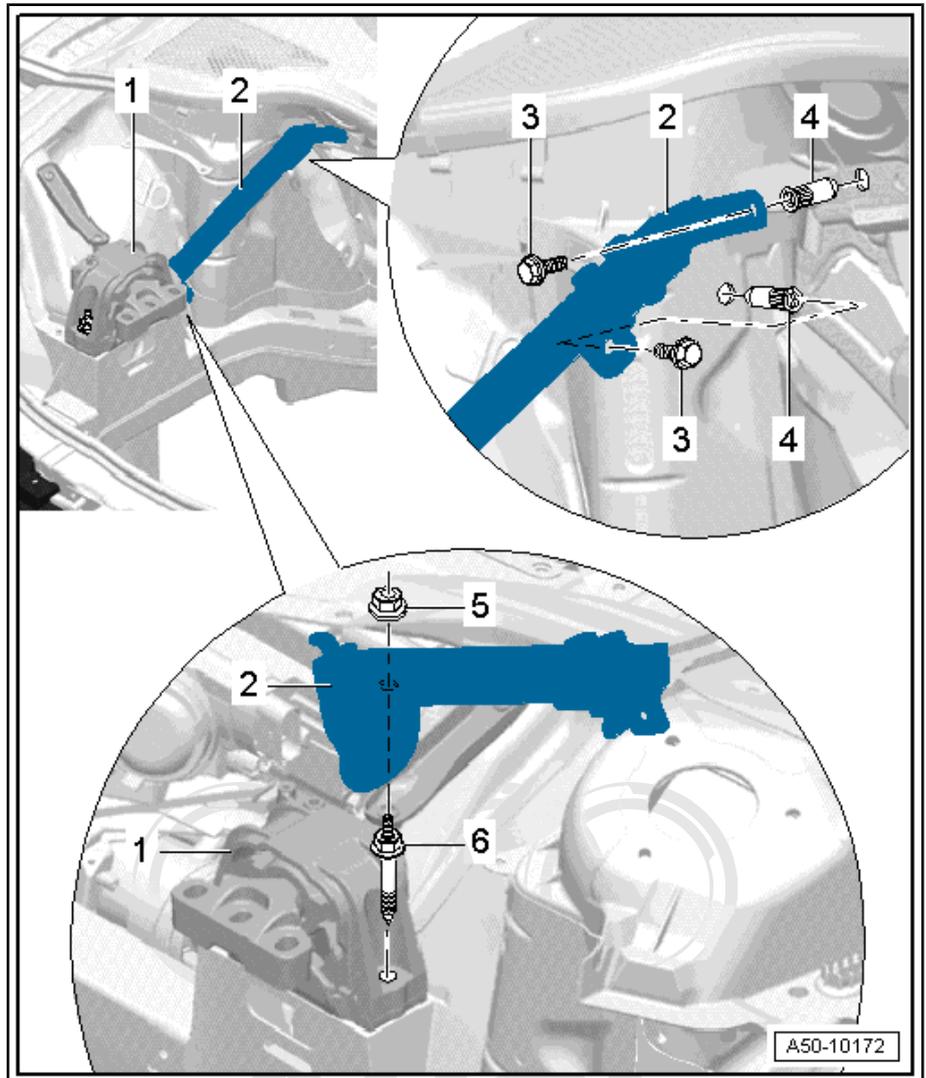
4 - Internally threaded pop rivet

5 - Nut

- ❑ 10 Nm

6 - Special bolt

- ❑ Do not remove for brace removal.
- ❑ Torque, refer to ⇒ Engine Mechanical, Fuel Injection and Ignition; Rep. Gr. 10 ; Specifications



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1.3 Lock Carrier with Attachments

1 - Lock washer

- Secures the impact member and must not be loosened to remove the lock carrier.

2 - Bolt

- 30 Nm

3 - Side impact bar

- Must not be removed from bumper bracket with removing lock carrier.

4 - Bolt

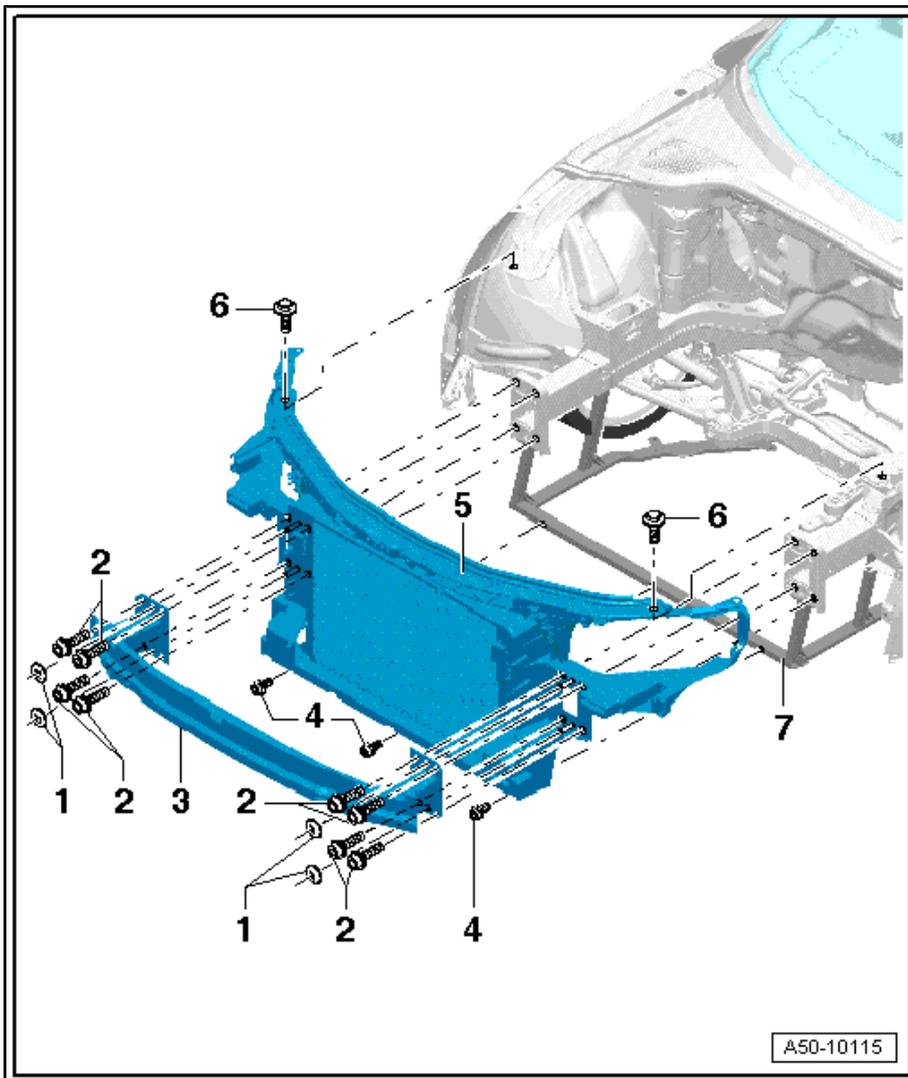
- 6 Nm

5 - Lock carrier



Note

- Removing
 - Remove the front bumper:
 - Audi TT ⇒ ["2.1.2 Front Bumper"](#), page 165
 - Audi TT RS ⇒ ["2.2.1 Front Bumper"](#), page 170
 - Remove headlight. Refer to ⇒ Electrical Equipment; Rep. Gr. 94 ; Removal and Installation



- Disconnect the control cable for the front lid lock from the coupling: , .
- Audi TT: ⇒ ["2.1.6 Front Hood Lock Release Cable"](#), page 31
- Audi TT RS: ⇒ ["2.2.13 Hood Lock Control Cable Mount"](#), page 47
- Remove bolts -2- on longitudinal member.



Note

- Remove bolts -6- on fender and bolts -4-.
- Remove lock carrier toward front.
- Installation: in reverse order.

6 - Bolt

- 23 Nm

7 - Frame

- Removing, refer to ⇒ [page 8](#)

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1.4 Plenum Chamber Cover

1 - Hood seal

- When installed correctly, seal must lie over plenum chamber cover as shown in the illustration.

2 - Plenum chamber cover

- Wiper arms removed.



Note

- Lid seal removed.
- Remove trim panel upward diagonally from edge strip beginning at window edge.
- Vehicles with bolts => [page 6](#)



Caution

Risk of window breaking during installation

Do not hit the trim when installing it.

Carefully press in trim sideways, beginning in edge strip.

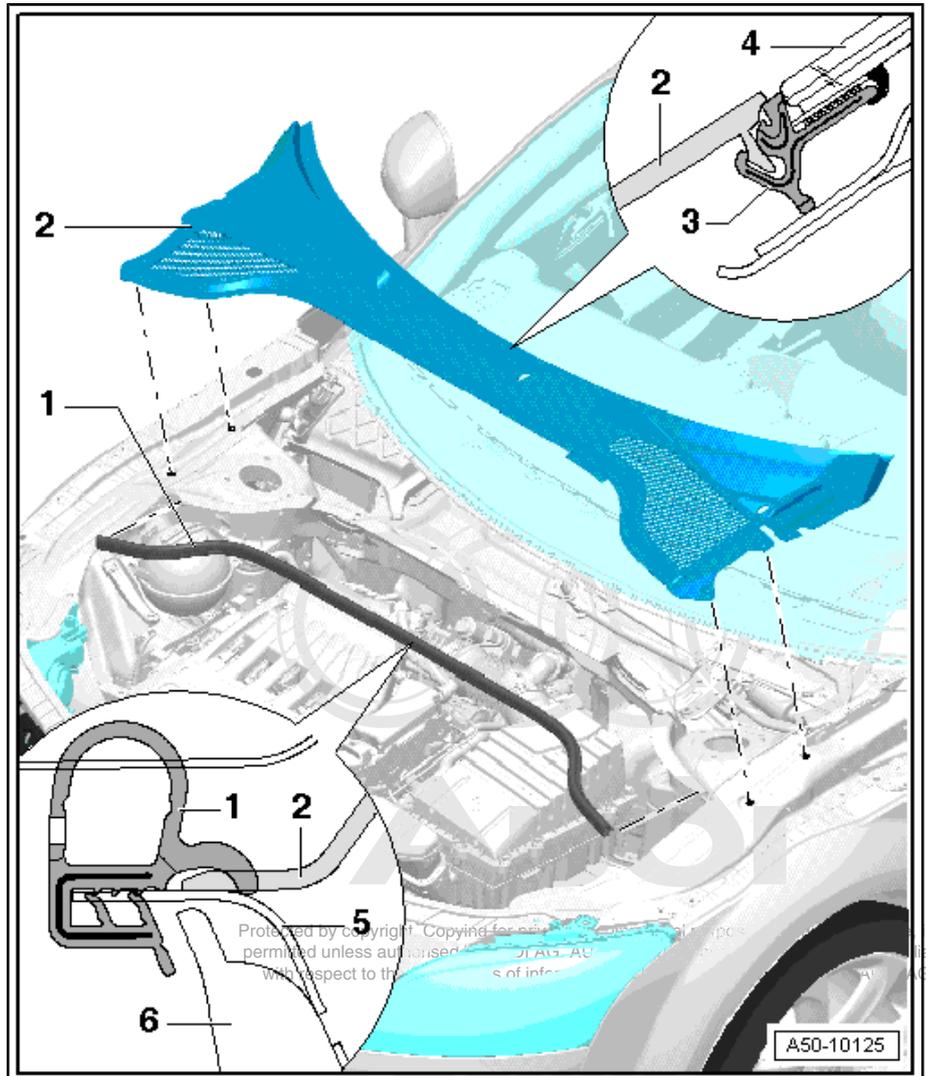
3 - Molding

- For easier removal/installation of plenum chamber cover, spray molding with soapy solution.
- No replacement part

4 - Windshield

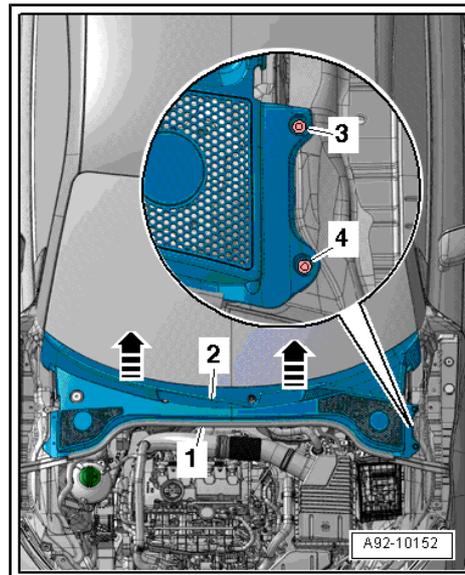
5 - Plenum chamber

6 - Bulkhead trim



Plenum Chamber Cover with Screws

- Remove the bolts -3- and -4-.
- Remove rubber seal -1-.
- Pull plenum chamber cover -2- vertically up from the window edge starting carefully with the windshield catches -arrows-.



1.5 Engine Mount Brace Reinforcement

1 - Engine mount brace

- If brace must be removed from bracket, remove bolts -2-.

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WARNING
When installing, reinforcement -3- must be slid into brace -1-.

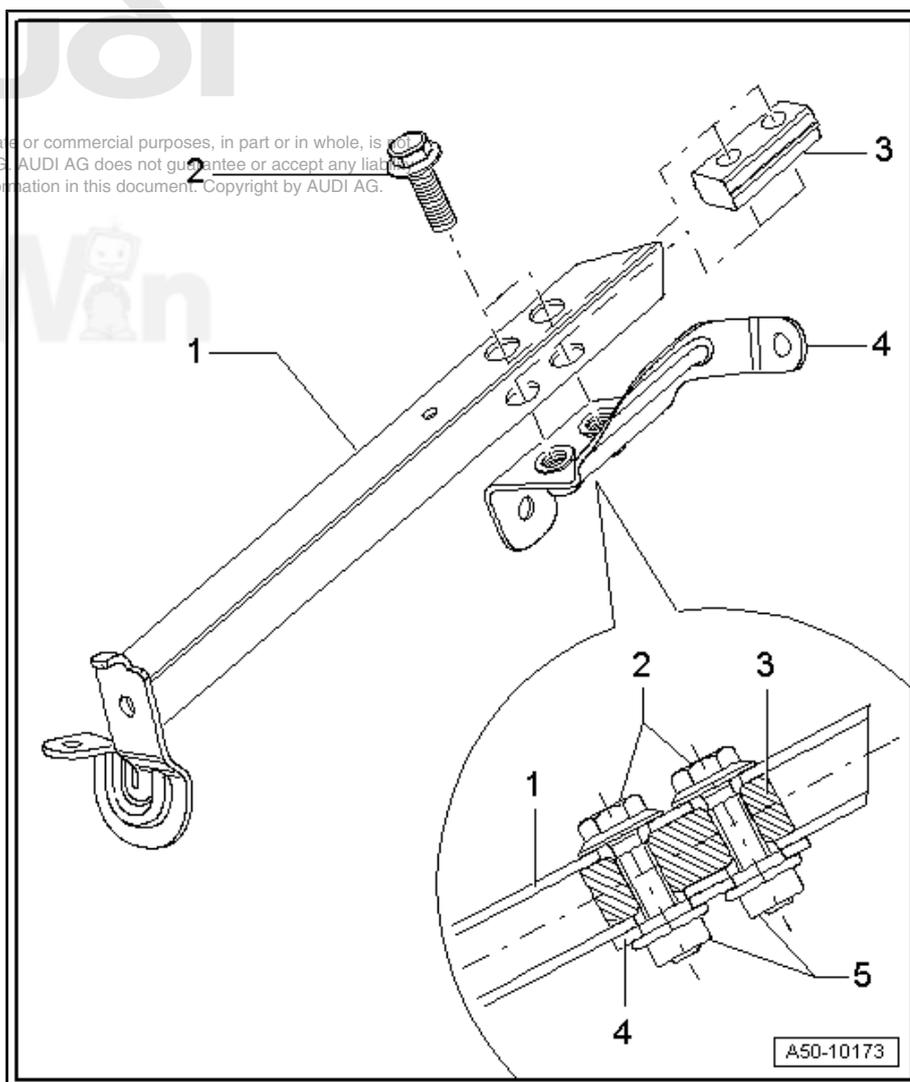
2 - Bolt

- 23 Nm
- When tightening to torque, counterhold at nut -5- with open end wrench.

3 - Brace reinforcement

4 - Bracket

5 - Nut



1.6 Bumper Bracket

Removing

1 - Right bumper bracket

- Remove bolts -2- from lock carrier-4-

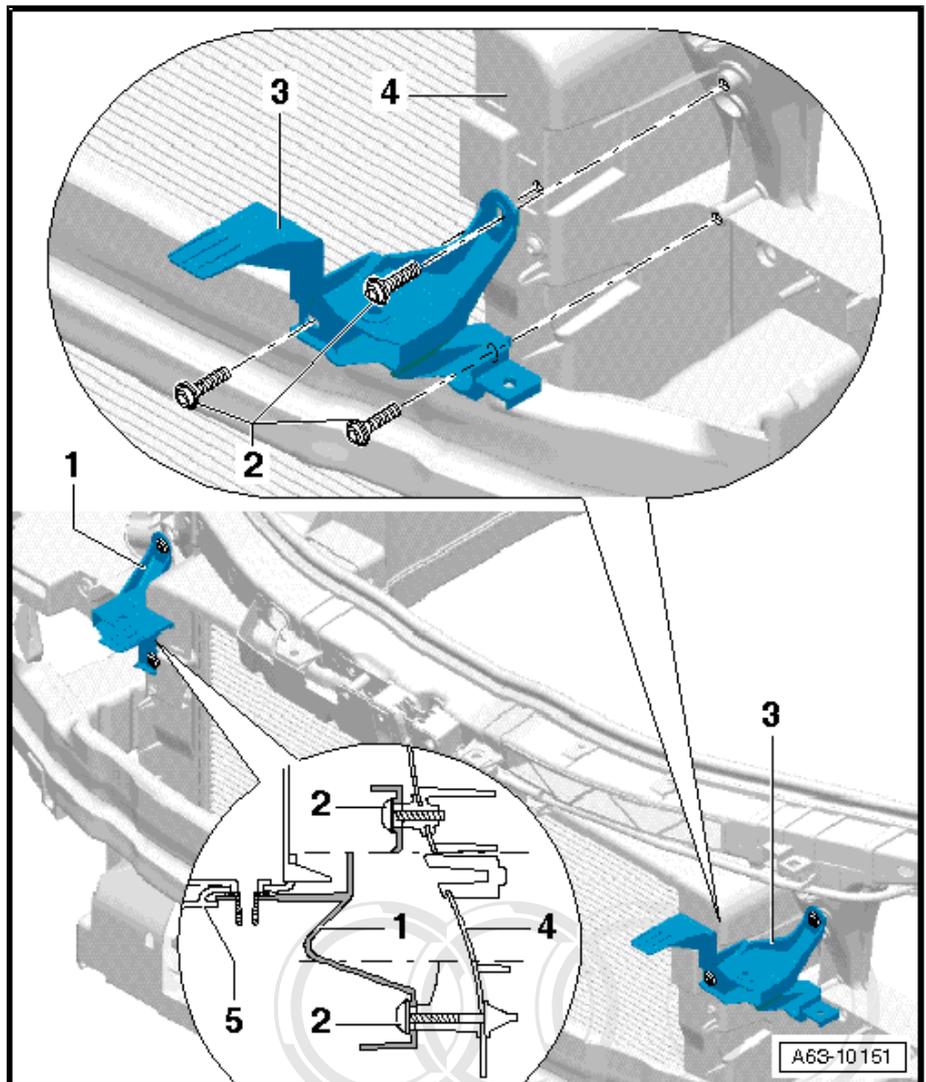
2 - Bolt

- 5 Nm

3 - Left bumper bracket

- Remove bolts -2- from lock carrier-4-

4 - Lock Carrier



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1.7 Noise Insulation Frame

Removing

1 - Frame

- Noise insulation removed.
- Remove bolts -2- and -3- and remove frame.

2 - Bolt

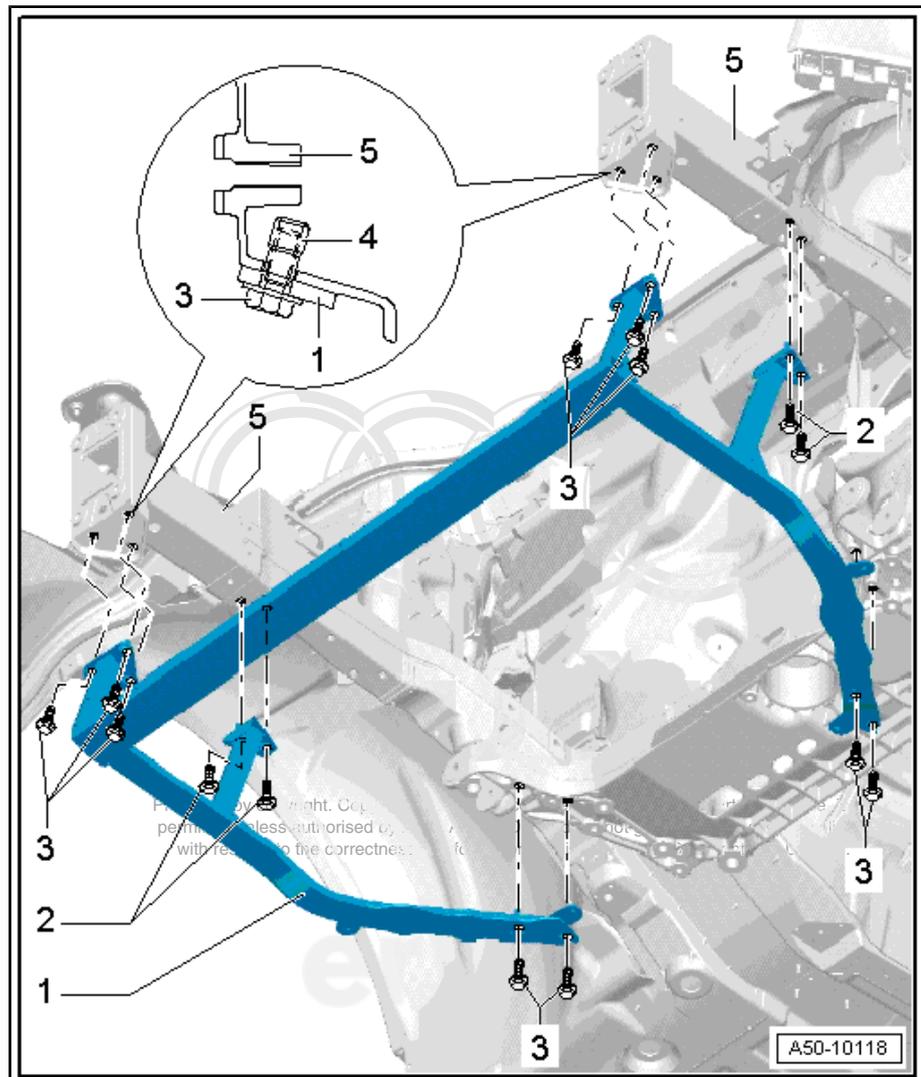
- 23 Nm

3 - Bolt

- 23 Nm

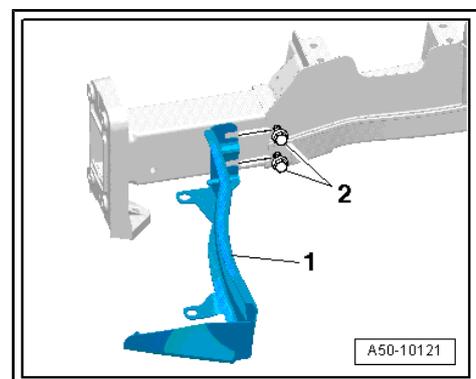
4 - Internally threaded pop rivet

5 - Longitudinal member



1.8 Fender Brace

- Fender removed.
- To remove, only loosen bolts -2- and slide brace forward out of elongated holes.
- ◆ Bolts -2- 23 Nm



1.9 Fender End Plate

Removing

1 - End plate

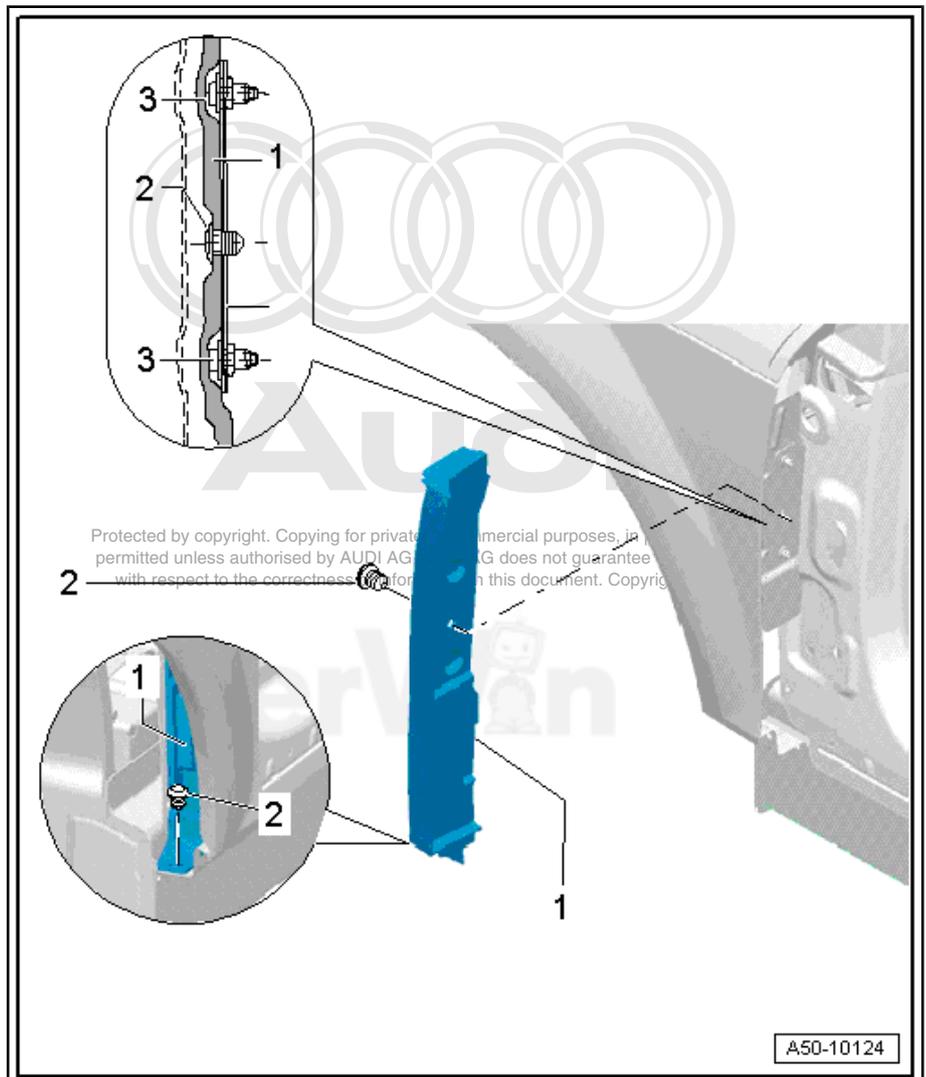
- Remove front wheel.
- Remove wheel housing liner. Refer to
⇒ ["3.8.1 Front Wheel Housing Liner"](#),
[page 255](#).
- Fluid reservoir, loosening
- Remove plugs -3- and slide end plate -1- out downward.



2 - Plugs

3 - Screws

- 11 Nm



55 – Hood, Lids

1 Description and Operation

⇒ "1.1 Hood - TT", page 10

⇒ "1.2 Hood - TT RS", page 12

⇒ "1.3 Rear Lid - Coupe", page 18

⇒ "1.4 Rear Lid - Roadster", page 20

1.1 Hood - TT

⇒ "1.1.1 Hood, Adjusting", page 10

⇒ "1.1.2 Hood Hinge, Adjusting", page 11

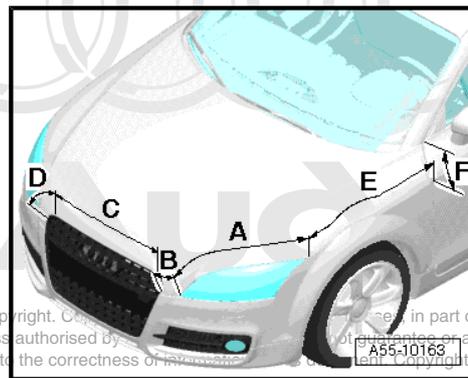
1.1.1 Hood, Adjusting

Special tools and workshop equipment required

◆ Adjusting Gauge -3371-

Gap Dimensions for Hood

- In -A- area = 3.5 mm +/- 0.5 mm.
- In -B- area = 4.5 mm +/- 0.5 mm
- In -C- area = 4.5 mm +/- 0.5 mm
- In -D- area = 4.0 mm to 2.5 mm (in transition area)
- In -E- area = 3.5 mm +/- 0.5 mm
- In -F- area = 3.5 mm +/- 0.5 mm



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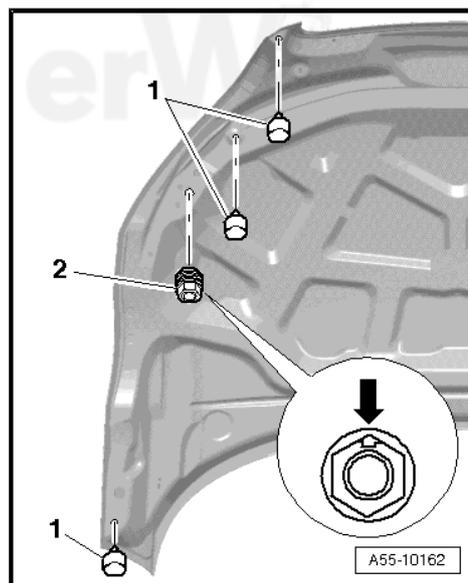
Buffer Stop for Height Adjustment

- Adjusting buffer -1- must lightly contact the lock carrier when the lid is closed.
- Rubber buffers -2- act as a strike guard and should not make contact with the lid closed.



Note

The adjusting buffers are used to adjust the height of the lid.



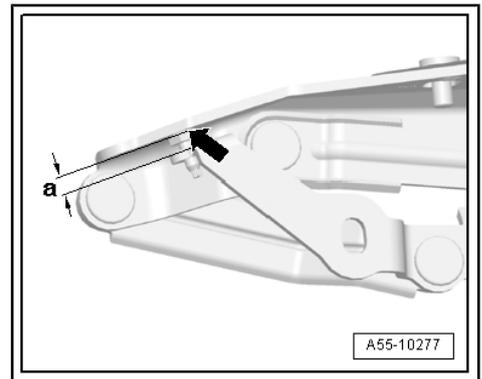
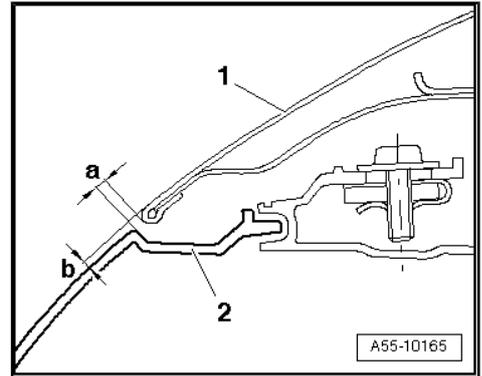
Hood Projection

- For correct adjustment, lid -1- must project in the headlamp area -2-.
- Dimension -a- = 3.5 mm +/- 0.5 mm
- Projection dimension -b- = 3 mm +/- 0.5 mm

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1.1.2 Hood Hinge, Adjusting

- ◆ When changing the hinge, ensure that -a- = 12.5 mm and adjust if necessary.



1.2 Hood - TT RS

⇒ [“1.2.1 Hood Assembly Overview”, page 12](#)

⇒ [“1.2.2 Hood Gap Dimensions”, page 13](#)

⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

⇒ [“1.2.4 Hood Locks Assembly Overview”, page 16](#)

⇒ [“1.2.5 Hood Control Cable, Control Cable Operating Lever Assembly overview”, page 17](#)

⇒ [“1.2.6 Hood Lock Cables, Adjusting”, page 18](#)

1.2.1 Hood Assembly Overview

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1 - Anti-rotation protection

- For the striker pin
- Removing and Installing, refer to ⇒ [“2.2.4 Left and Right Striker Pins”, page 40](#)

2 - Bolt

- 2 Nm

3 - Hood catch

- Removing and Installing, refer to ⇒ [“2.2.4 Left and Right Striker Pins”, page 40](#)
- Adjusting, refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

4 - Hood

- Removing and Installing, refer to ⇒ [“2.2.1 Hood”, page 38](#)

5 - Nuts

- 9 Nm

6 - Striker pin with catch

- Removing and Installing, refer to ⇒ [“2.2.3 Striker Pin with Catch”, page 39](#)

7 - Rubber stop

8 - Adjusting buffer

- Adjusting, refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

9 - Impact guard

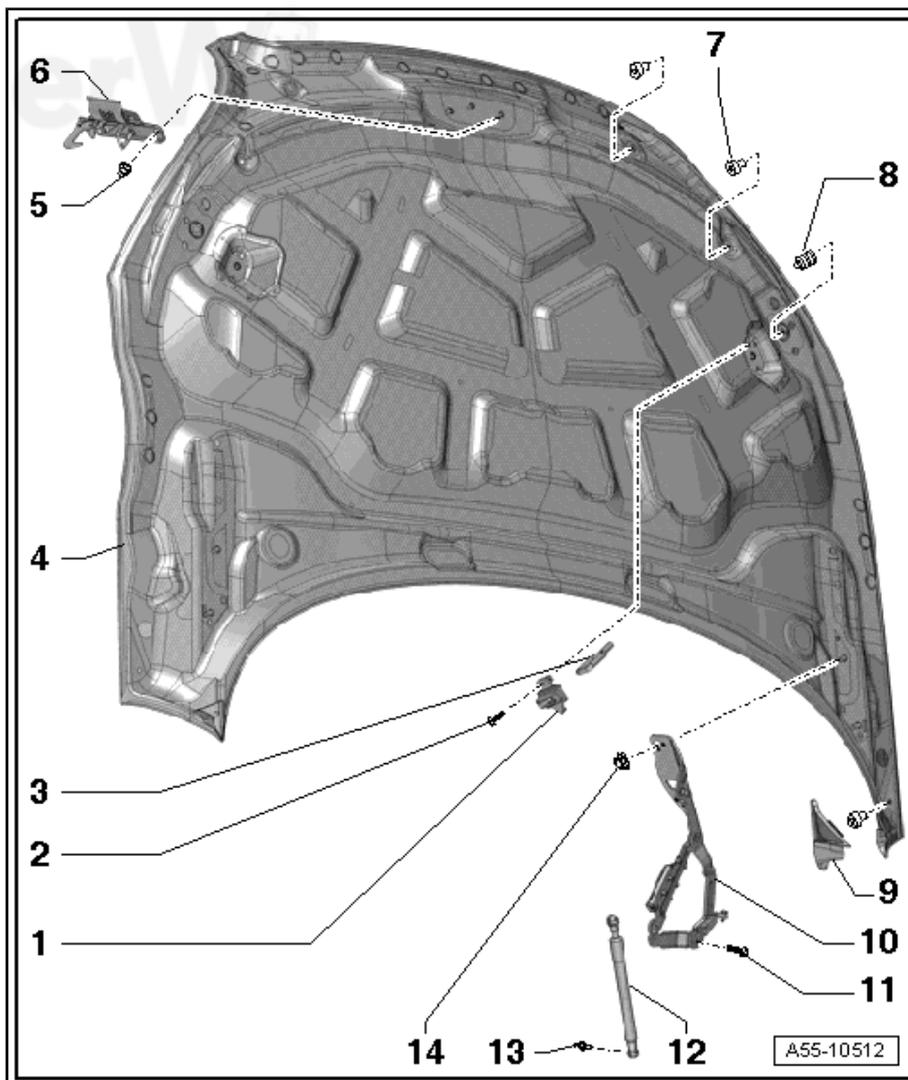
- Removing and Installing, refer to ⇒ [“2.2.5 Impact Guard”, page 40](#)

10 - Hood hinge

- Removing and Installing, refer to ⇒ [“2.2.2 Hood Hinge”, page 39](#)

11 - Bolt

- Pay attention to different lengths.
- 34 Nm



12 - Gas strut

- Removing and Installing, refer to ⇒ [“2.2.6 Gas-Filled Strut”, page 40](#)

13 - Ball head pin

- 23 Nm

14 - Nut

- 34 Nm

1.2.2 Hood Gap Dimensions

Hood Gap Dimensions with Respect To Radiator Grille, Bumper, Headlamp

A - Hood to bumper

- Gap dimension-a- = 4.5 +/- 0.5 mm

-1- hood

-2- bumper

- Adjusting, refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

B - Hood to radiator grille side

- Gap dimension -b- from top to bottom = 4.0 to 2.5 +/- 0.5 mm

-1- hood

-3- Radiator grille

- Adjusting, refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

C - Hood to radiator grille

- Gap dimension -c- = 4.4 +/- 0.5 mm

- Projection -d- = 1.5 +/- 0.5 mm

-1- hood

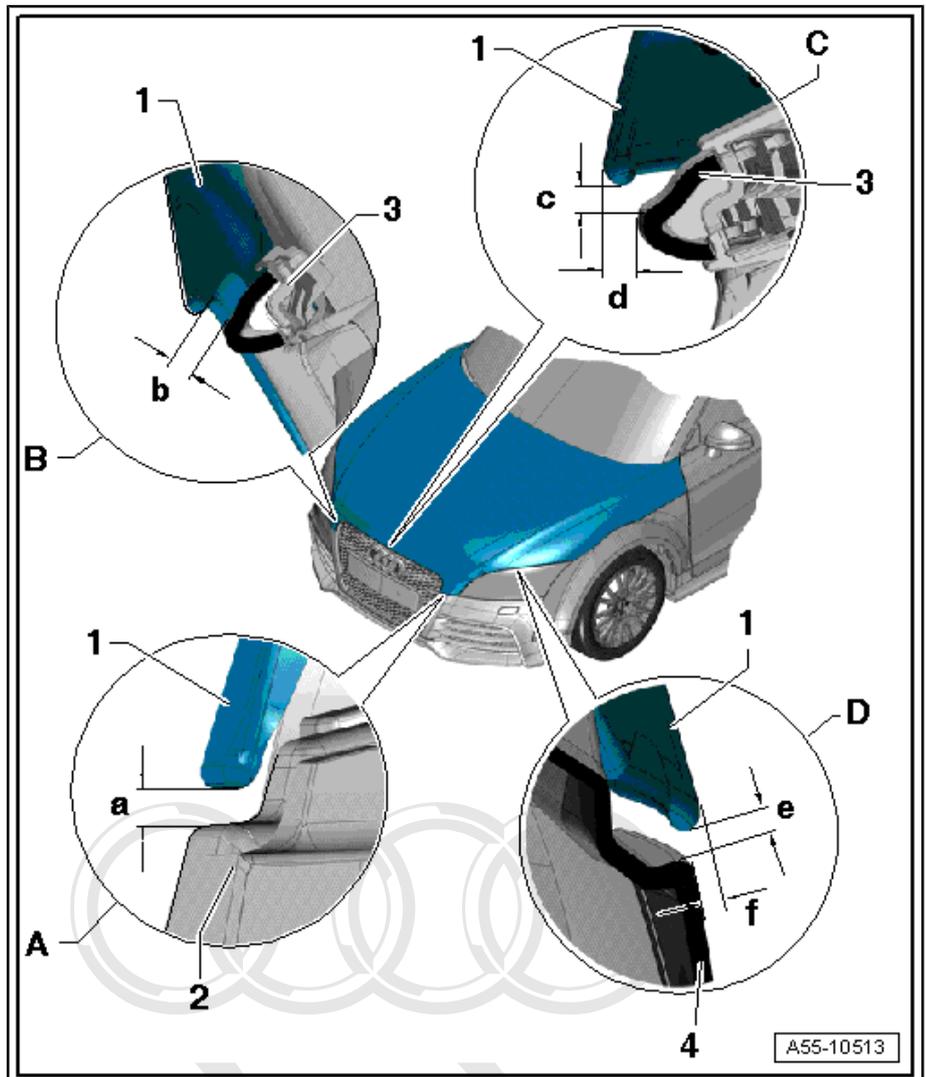
-3- Radiator grille

- Adjusting, refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

D - Hood to headlamp

- Gap dimension -e- from top to bottom = 3.0 to 1.6 +/- 0.5 mm

- Projection -f- = 3.0 +/- 0.5 mm



Gap Dimensions of Hood to Fender, Front Door

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A - Hood to fender - headlamp area

- Gap dimension -a- = 2.5 +/- 0.5 mm

-1- hood

-2- fender - front area

- Adjusting, refer to ["1.2.3 Hood, Adjusting", page 14](#)

B - Hood to front door

- Gap dimension -b- = 3.5 +/- 0.5 mm

- Projection -c- = 0.0 + 1.0 mm

-1- hood

-3- Front door

- Adjusting, refer to ["1.2.3 Hood, Adjusting", page 14](#)

C - Hood to fender - A-pillar area

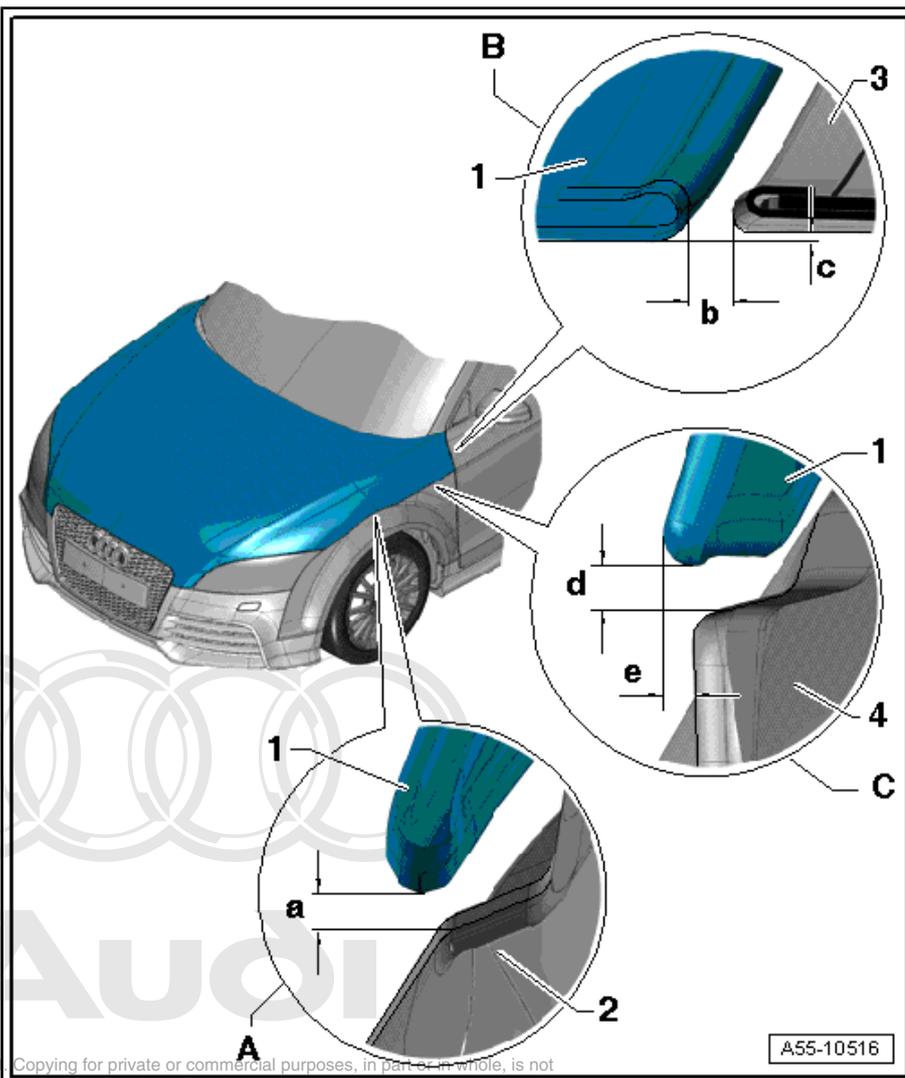
- Gap dimension -d- = 3.5 +/- 0.5 mm

- Projection -e- = 2.0 +/- 0.5 mm

-1- hood

-4- fender - rear area

- Adjusting, refer to ["1.2.3 Hood, Adjusting", page 14](#)



1.2.3 Hood, Adjusting

Special tools and workshop equipment required

- ◆ Adjustment gauge -3371-

Procedure

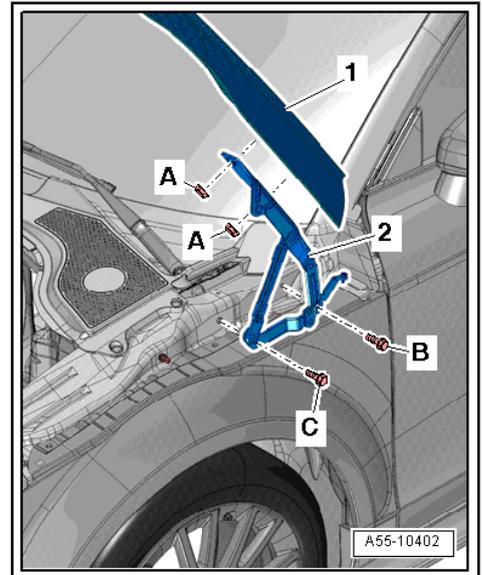
- Gap dimensions, refer to [⇒ "1.2.2 Hood Gap Dimensions", page 13](#) .
- For the correct tightening specifications, refer to [⇒ "1.2.1 Hood Assembly Overview", page 12](#) .

Side and Length Adjustment at Hinge:

- Loosen the left and right nuts -A- on the hinge -2-.
- Adjust hood -1- in the lateral and longitudinal direction.
- Tighten the nuts.

Height Adjustment At Hinge:

- Loosen screws -B- and -C- on the hinge on the left and right.
- Adjust the height of hinge -2- in the area of screw -B-.
- Tighten the bolts.

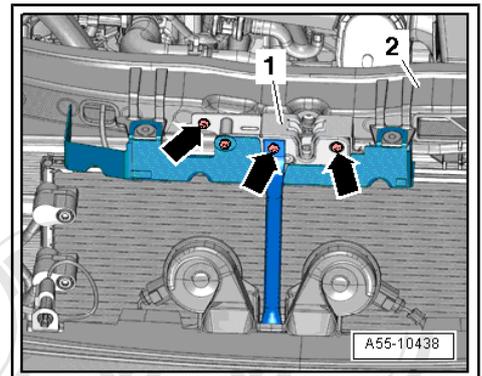


Note

Check the lid hinge stop bolt height adjustment [⇒ page 39](#) .

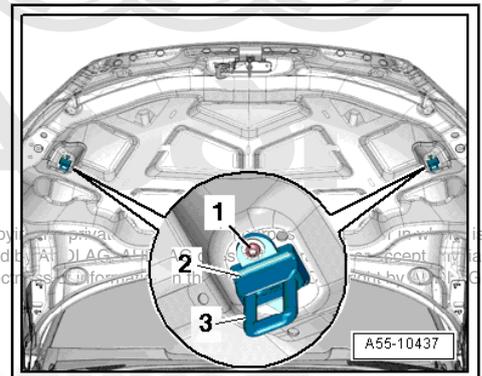
Hood Lock Height Adjustment:

- For the correct tightening specifications; refer to [⇒ "1.2.4 Hood Locks Assembly Overview", page 16](#) .
- Loosen the bolts -arrows-.
- Adjust the height of hood lock -1- in front lock carrier -2-.
- The striker pin with the hood catch must engage vertically in the hood lock.
- Tighten the bolts.



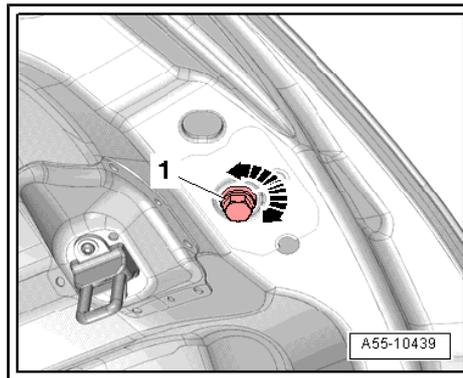
Height Adjustment at Left and Right Hood Locks:

- For the correct tightening specifications; refer to [⇒ "1.2.1 Hood Assembly Overview", page 12](#) .
- Remove the bolt -1- and the striker pin anti-twist mechanism -2-.
- Install lid lock striker pin -3- in the hood as far as the stop and then loosen it 3 turns.
- During the closing test, the lid must fall from the balance position into the lid lock and engage completely.
- Change the striker pin height adjustment if necessary.
- Position the anti-twist mechanism -2- on the striker pin -3-.
- Secure the anti-twist mechanism with the screw.



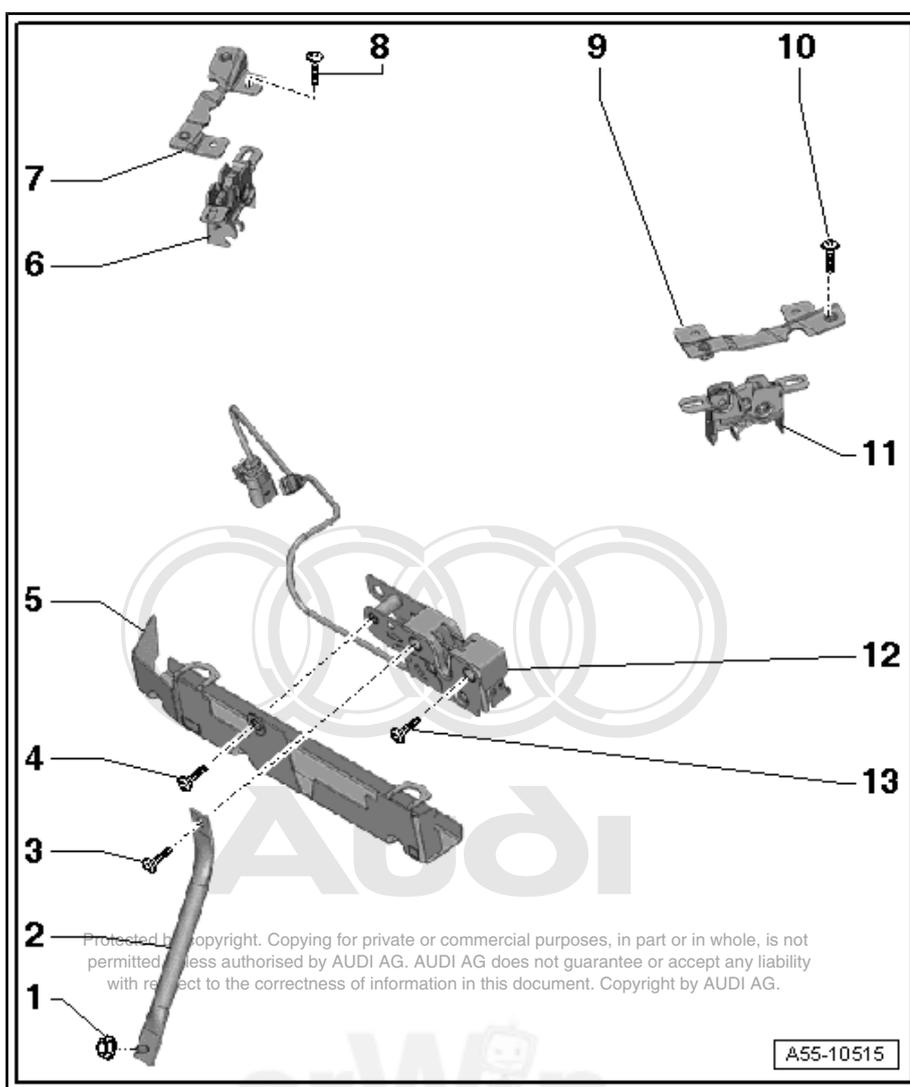
Adjust Stop Buffer:

- The inner stop buffers -1- act as a strike guard and should not make contact with the hood closed.
- Adjust the height of the hood stop buffers by turning them -arrows-.



1.2.4 Hood Locks Assembly Overview

- 1 - Nut**
 - 9 Nm
- 2 - Brace**
- 3 - Bolt**
 - 11 Nm
- 4 - Bolt**
 - 11 Nm
- 5 - Anti-theft protection**
- 6 - Right hood lock**
 - Removing and Installing, refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#)
- 7 - Right mount for hood lock**
- 8 - Bolt**
 - 3 Nm
- 9 - Left mount for hood lock**
- 10 - Bolt**
 - 10 Nm
- 11 - Left hood lock**
 - Removing and Installing, refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#)
- 12 - Front hood lock**
 - with the hood contact switch -F266-
 - Can be used to adjust the hood height [⇒ "1.2.3 Hood, Adjusting", page 14](#)
 - Removing and Installing, refer to [⇒ "2.2.7 Center Hood Lock", page 42](#)
- 13 - Bolt**
 - 11 Nm



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1.2.5 Hood Control Cable, Control Cable Operating Lever Assembly overview

1 - Front hood Lock

2 - Right cable

- For the right lid lock
- Removing and Installing, refer to [⇒ "2.2.12 Right Hood Lock Control Cable", page 46](#)

3 - Right hood lock

4 - Mount

- For the cables to the left and right lid locks
- Removing and Installing, refer to [⇒ "2.2.13 Hood Lock Control Cable Mount", page 47](#)

5 - Cover

- For the cable

6 - Grommet

- For the seal to the passenger compartment

7 - Bolt

- 10 Nm

8 - Operating lever mounting bracket

- Removing and Installing, refer to [⇒ "2.2.9 Release Lever Mounting Bracket", page 43](#)

9 - Hood release lever

10 - Retaining clip

- For mount with control cable

11 - Left hood lock

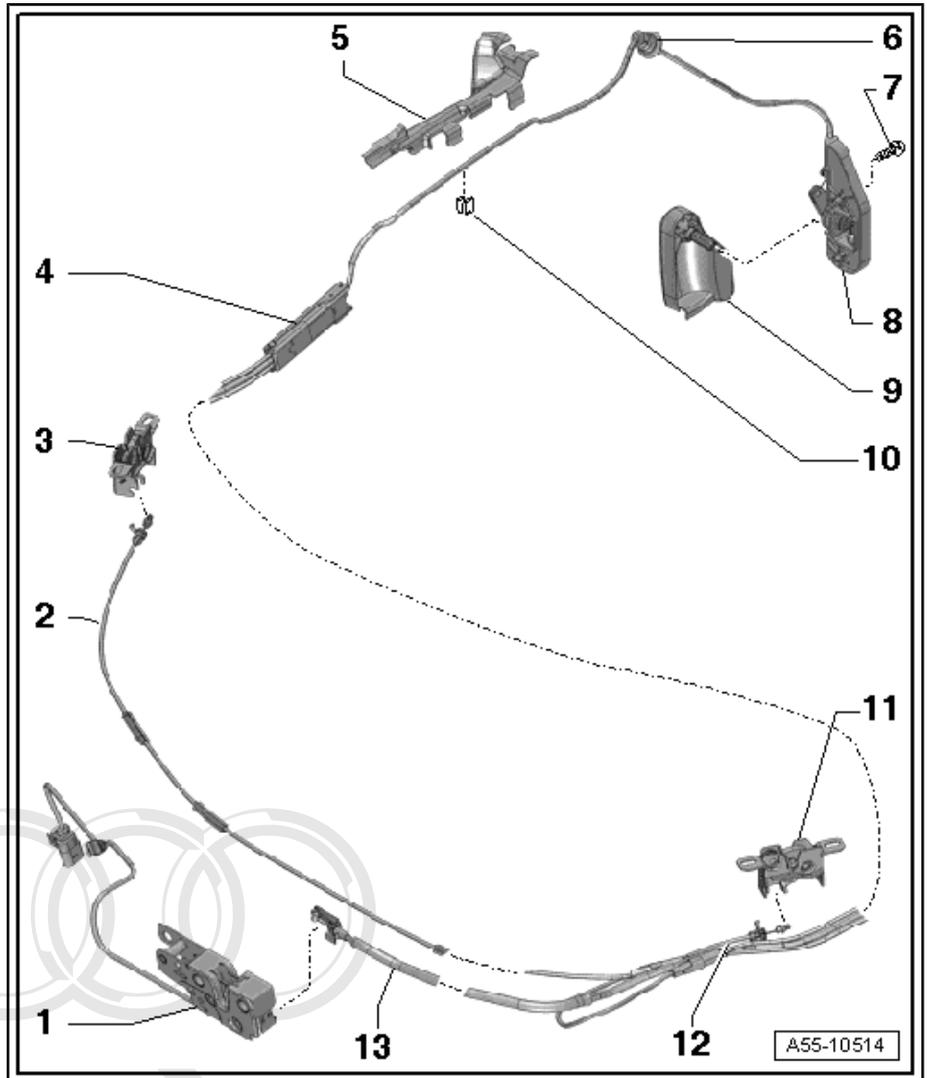
- Removing and Installing, refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#)

12 - Left cable

- For the left lid lock
- Removing and Installing, refer to [⇒ "2.2.11 Left Hood Lock Control Cable", page 46](#)
- Adjusting, refer to [⇒ "1.2.6 Hood Lock Cables, Adjusting", page 18](#)

13 - Cable

- For front lid lock
- Removing and Installing, refer to [⇒ "2.2.10 Center Hood Lock Control Cable", page 44](#)



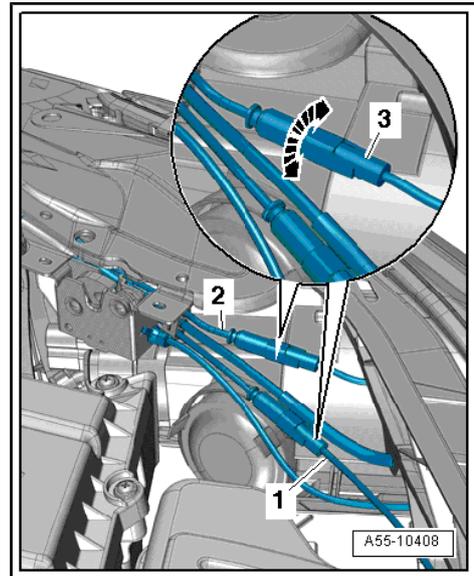
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1.2.6 Hood Lock Cables, Adjusting

Procedure

When operating the release lever, the left and right lid locks must be operated at the same time.

- Bring the left and right lid lock into the "closed" position:
 - The actuating links must allow the lock mechanisms on the lid locks to engage up to the stop.
 - Actuating links -1- and -2- must then be relieved.
- Turn adjuster -3- on the respective actuating link accordingly -arrows- if necessary.



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1.3 Rear Lid - Coupe

⇒ "1.3.1 Rear Lid, Gap Dimensions", page 18

1.3.1 Rear Lid, Gap Dimensions

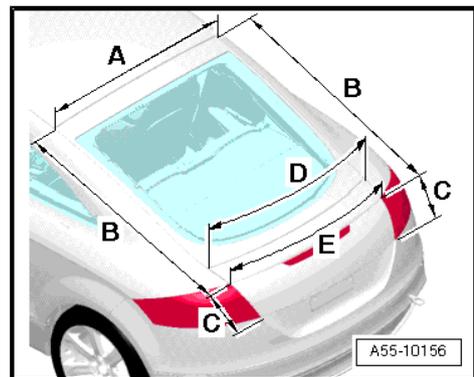
Special tools and workshop equipment required

- ◆ Adjusting gauge -3371-

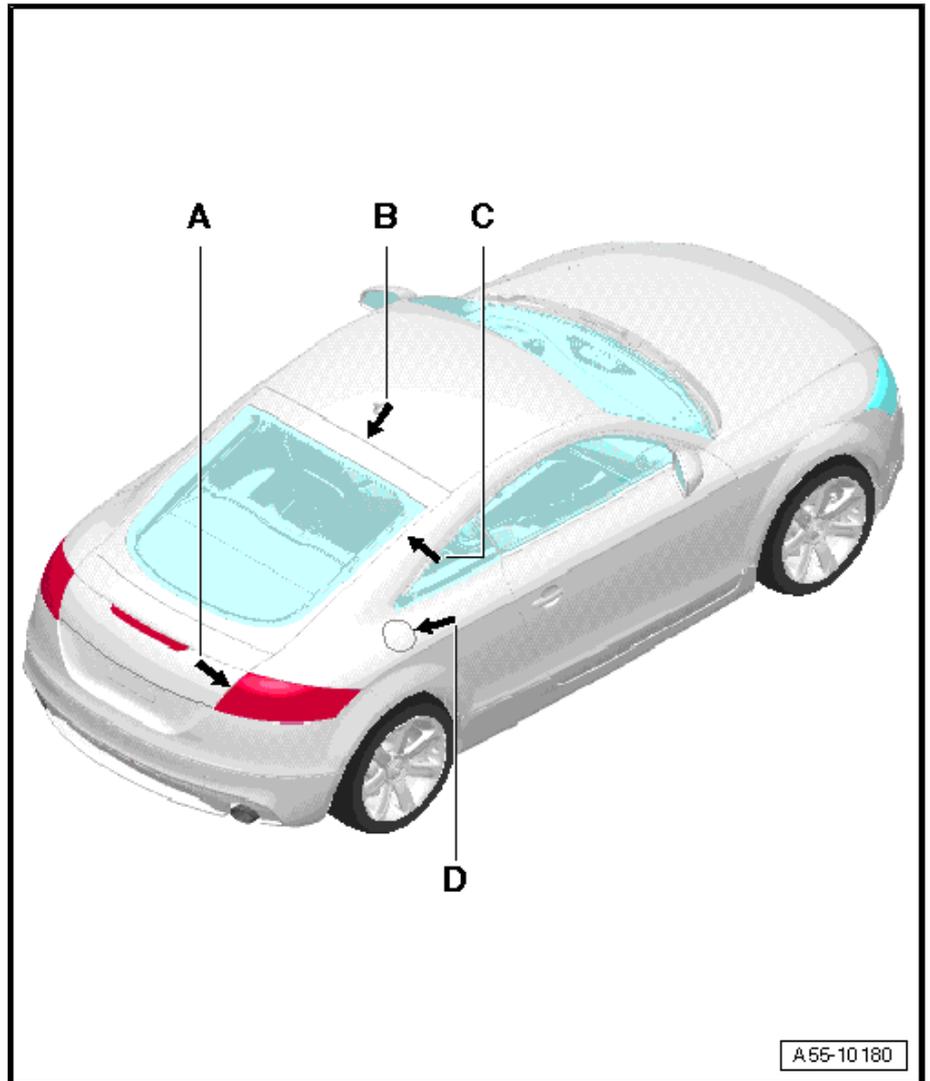
Gap Dimensions

The gap dimensions can be checked with the Adjustment Gauge -3371- .

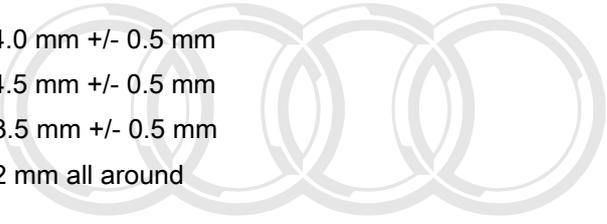
- In -A- area = 4.5 mm +/- 0.5 mm
- In -B- area = 3.5 mm +/- 0.5 mm
- In -C- area = 4.0 mm +/- 0.5 mm
- In -D- area = 2.0 mm +/- 0.5 mm
- In -E- area = 2.0 mm +/- 0.5 mm



Gap Dimensions



- ◆ Dimension -A- = 4.0 mm +/- 0.5 mm
- ◆ Dimension -B- = 4.5 mm +/- 0.5 mm
- ◆ Dimension -C- = 3.5 mm +/- 0.5 mm
- ◆ Dimension -D- = 2 mm all around



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1.4 Rear Lid - Roadster

⇒ ["1.4.1 Rear Lid, Adjusting", page 20](#)

⇒ ["1.4.2 Release Cable, Engaging in Rear Lid Lock", page 21](#)

⇒ ["1.4.3 Release Cable Coupling", page 22](#)

⇒ ["1.4.4 Release Cable Routing on Hinge", page 23](#)

⇒ ["1.4.5 Release Cable, Engaging in Handle", page 24](#)

1.4.1 Rear Lid, Adjusting

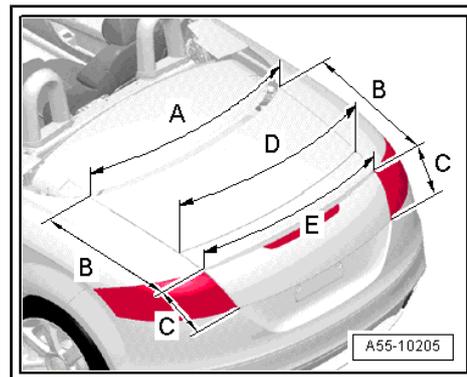
Special tools and workshop equipment required

- ◆ Adjusting gauge -3371-

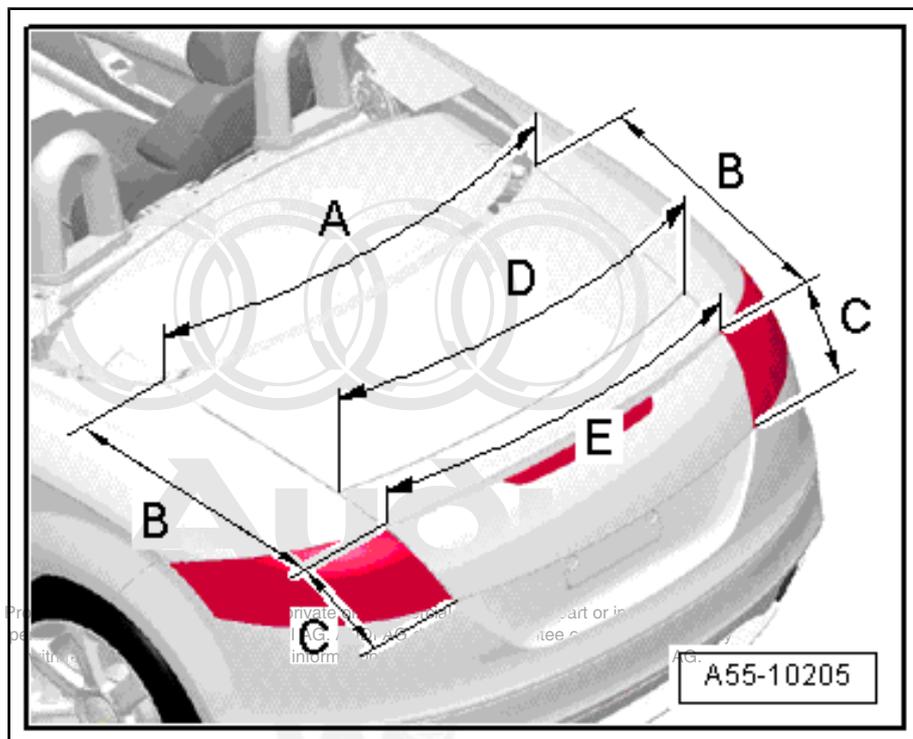
Gap Dimensions

The gap dimensions can be checked with the Adjustment Gauge -3371- .

- In -A- area = 4.5 mm +/- 0.5 mm
- In -B- area = 3.5 mm +/- 0.5 mm
- In -C- area = 4.0 mm +/- 0.5 mm
- In -D- area = 2.0 mm +/- 0.5 mm
- In -E- area = 2.0 mm +/- 0.5 mm



Gap Dimensions



- ◆ Dimension -A- = 4.0 mm +/- 0.5 mm
- ◆ Dimension -B- = 4.5 mm +/- 0.5 mm
- ◆ Dimension -C- = 3.5 mm +/- 0.5 mm
- ◆ Dimension -D- = 2 mm all around

1.4.2 Release Cable, Engaging in Rear Lid Lock

Engaging

1 - Rear lid latch

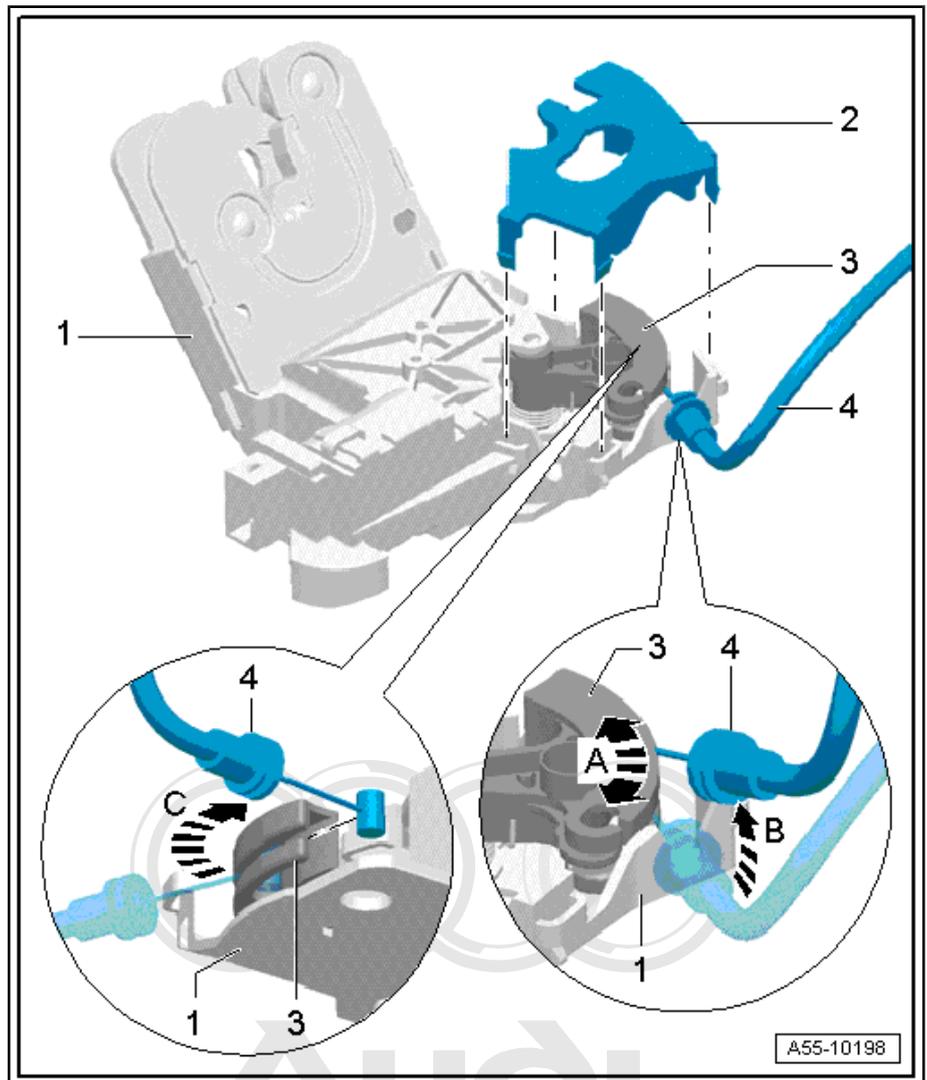
2 - Cover

- ❑ After installing, attach release cable to lid lock.

3 - Lid lock coupling plate

4 - Release cable

- ❑ Engage in coupling plate as shown and engage release cable on lid lock.



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1.4.3 Release Cable Coupling

Release Cable Coupling

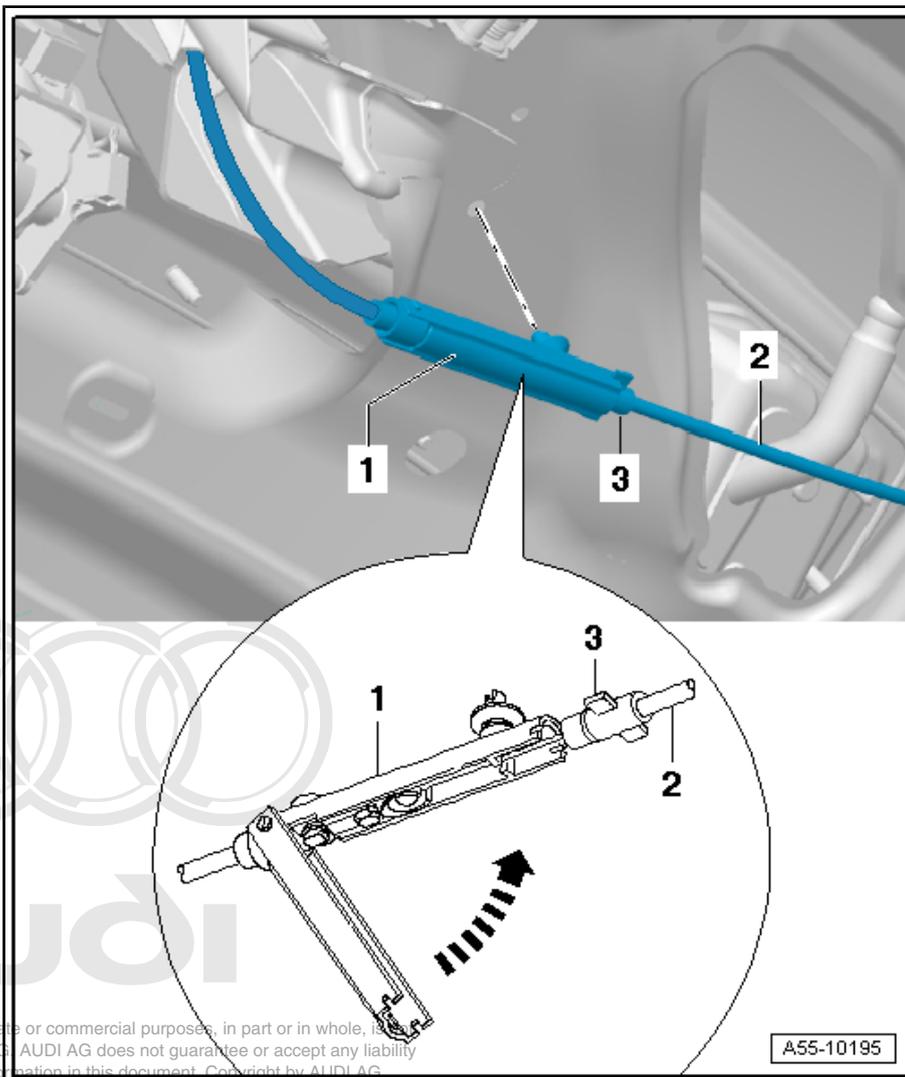
1 - Release cable coupling

- Coupling is clipped into inner part of lid.
- Remove retainer sideways and fold coupling up.
- When installing, retainer must be slid back into coupling.

2 - Cable

- Route cable ball in coupling, close lid and slide in retainer.

3 - Retainer



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1.4.4 Release Cable Routing on Hinge

Cable Routing on Hinge

1 - Cover

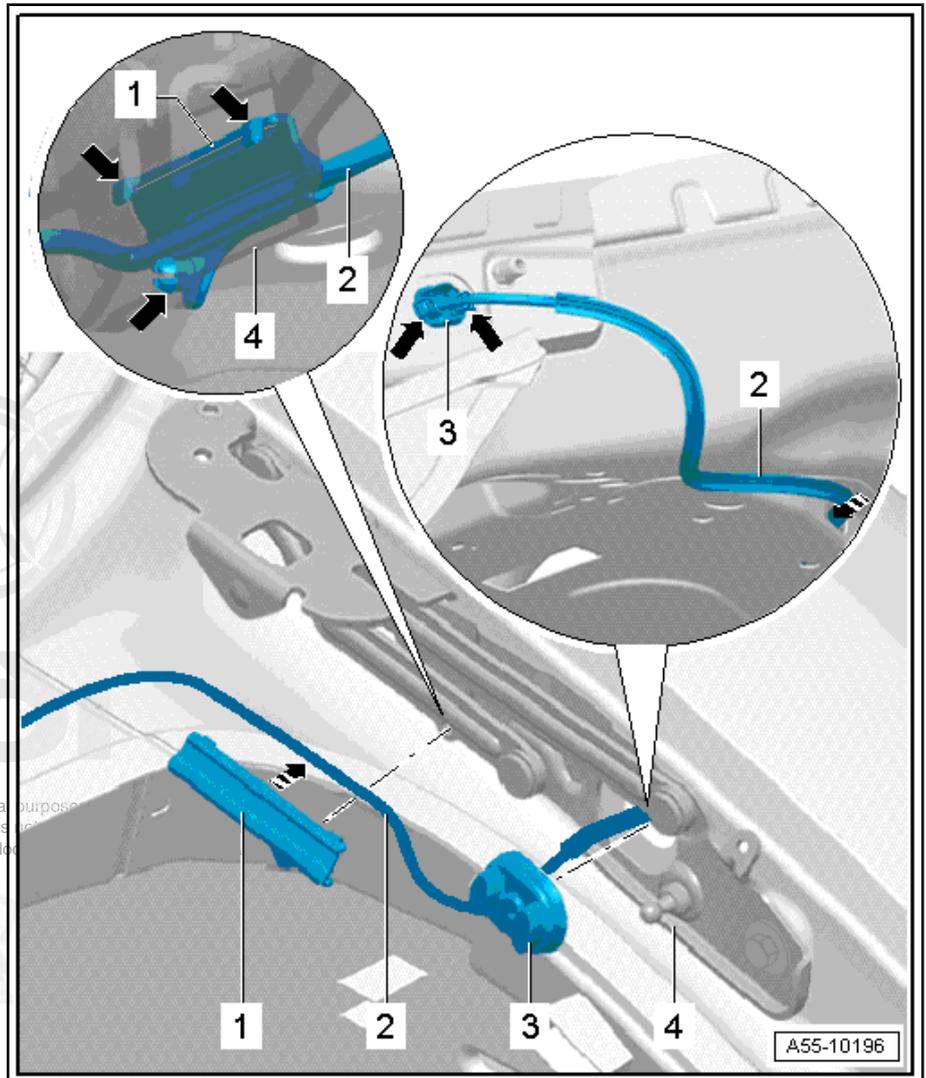
- ❑ Press cover sideways onto hinge

2 - Release cable

3 - Hinge grommet

- ❑ When pressing into hinge, grommet must engage audibly.

4 - Rear lid hinge



1.4.5 Release Cable, Engaging in Handle

Engaging in Handle

1 - Release cable

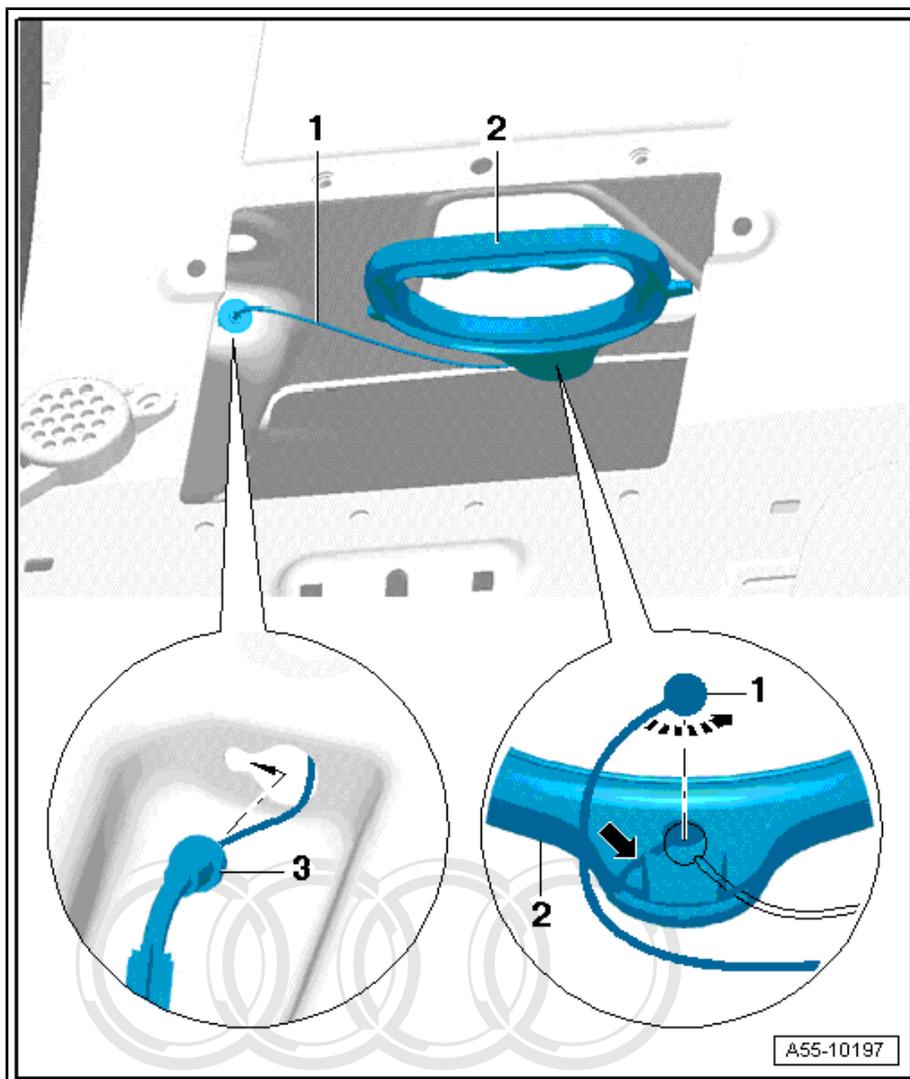
- ❑ Engage release cable ball -1- in handle -2-.

 **Caution**
The cable must be routed behind retaining tab as shown to ensure proper function.

2 - Emergency release handle

3 - Grommet

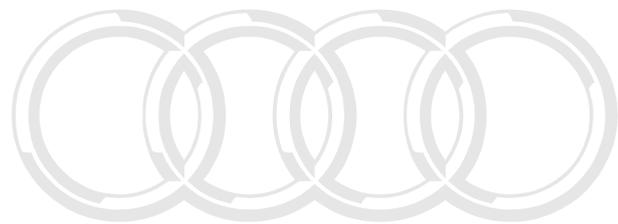
- ❑ Slide into end plate and engage at sides



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2 Removal and Installation

⇒ ["2.1 Hood - TT", page 26](#)

⇒ ["2.2 Hood - TT RS", page 38](#)

⇒ ["2.3 Rear Lid - Coupe", page 50](#)

⇒ ["2.4 Rear Lid Roadster", page 59](#)

⇒ ["2.5 Fuel Filler Door", page 67](#)

2.1 Hood - TT

⇒ ["2.1.1 Hood", page 26](#)

⇒ ["2.1.2 Hood Catch", page 27](#)

⇒ ["2.1.3 Hood Lock", page 28](#)

⇒ ["2.1.4 Hood Hinge", page 29](#)

⇒ ["2.1.5 Gas-Filled Strut", page 30](#)

⇒ ["2.1.6 Front Hood Lock Release Cable", page 31](#)

⇒ ["2.1.7 Cable Cover", page 32](#)

⇒ ["2.1.8 Cable Coupling", page 33](#)

⇒ ["2.1.9 Hood Lock Release Cable", page 34](#)

⇒ ["2.1.10 Hood Release Lever Cover", page 35](#)

⇒ ["2.1.11 Hood Release Lever", page 36](#)

⇒ ["2.1.12 Hood Seal", page 37](#)

2.1.1 Hood

1 - Hood

- A second person is needed during removal and installation to support and hold the hood.

❑ Removing

- Remove the gas-filled strut

⇒ [Item 5 \(page 27\)](#)
from the hood
⇒ ["2.1.5 Gas-Filled Strut", page 30](#).

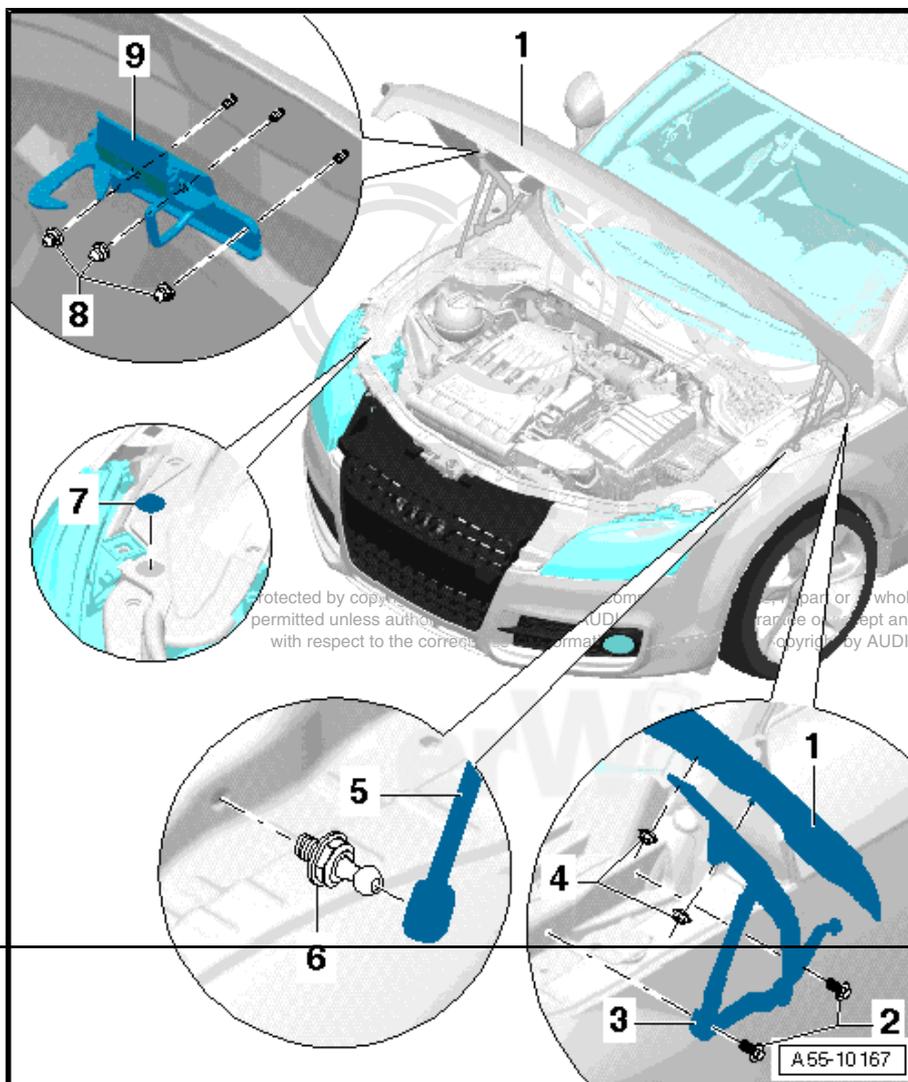
- Remove nuts -4- on upper hood hinge.

- Remove the hood.

❑ Installation: in reverse order.

❑ Adjusting:

- Center the hood between the fenders.
- Adjust the height of the hood over the lower part of the hood lock.
- Adjust the hood to the fenders using the stop buffers ⇒ [page 10](#).



 **Note**

2 - Screws

- 32 Nm

3 - Hood hinge

- For removal and installation, the hood must be removed or supported securely.
 - Removing
 - Remove gas-filled strut ⇒ [“2.1.5 Gas-Filled Strut”, page 30](#) .
 - Remove the bolts -2- and nuts -4-.
 - Installation: in reverse order.

4 - Nuts

- 25 Nm

5 - Gas strut

- Removing and installing, refer to ⇒ [“2.1.5 Gas-Filled Strut”, page 30](#) .
- The gas-filled strut tube is installed on the hood side.

6 - Ball stud

- 21 Nm

7 - Protective film

- Self-adhesive.
- Remove protective paper before applying.

8 - Nuts

- 9 Nm

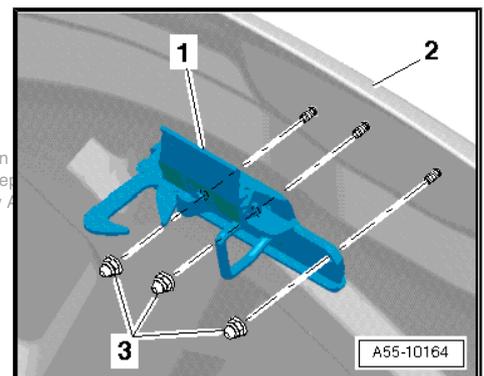
9 - Catch

2.1.2 Hood Catch

Removing

- Remove nuts and remove catch.

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2.1.3 Hood Lock

Removing

1 - Bolt

- 11 Nm

2 - Bolt

- 11 Nm

3 - Center hood lock

- Loosen upper bumper cover and press to side.
- Disconnect the hood lock cable at the coupling.
- Disconnect electrical connectors.
- Remove the bolts -1- and -2-.



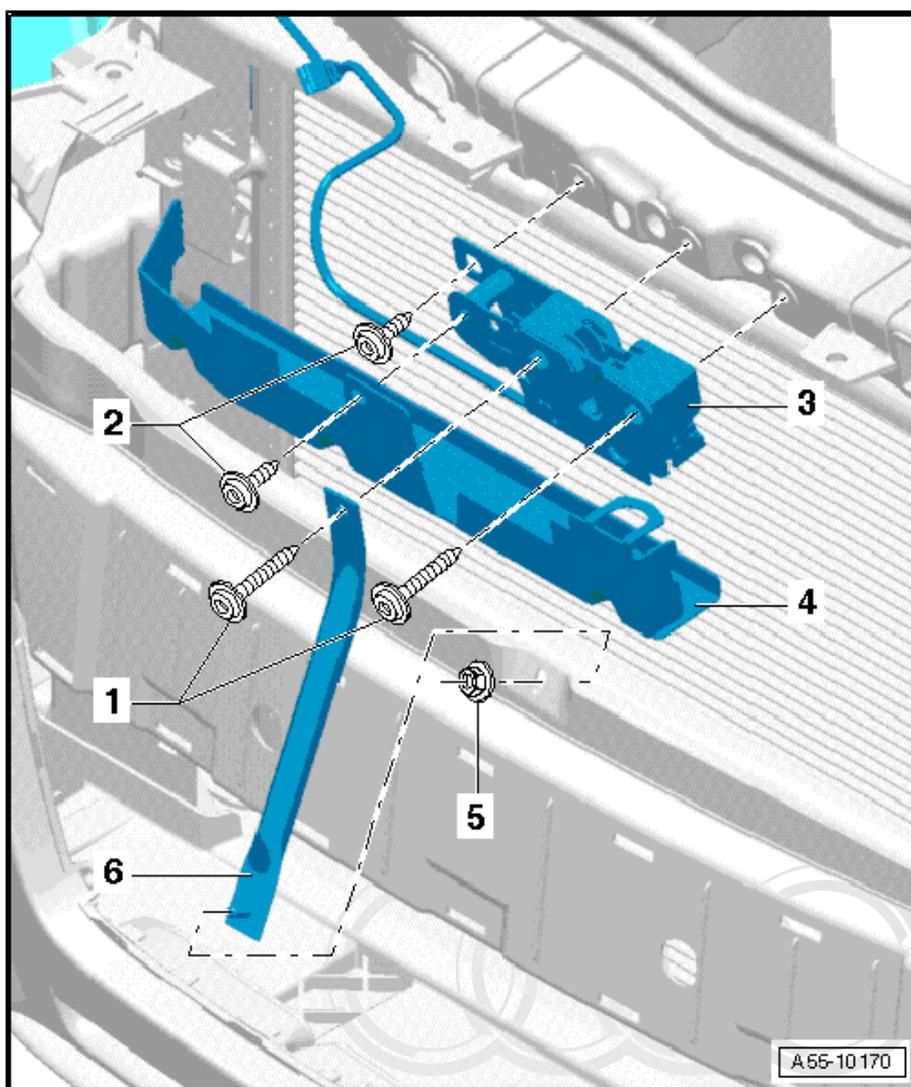
Note

4 - Cover for hood lock

5 - Nut

- 11 Nm

6 - Brace



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2.1.4 Hood Hinge

Removing

1 - Hood

2 - Gas strut

- Attach the gas-filled strut tube on the lid side
- Removal
⇒ ["2.1.5 Gas-Filled Strut", page 30](#)

3 - Nut

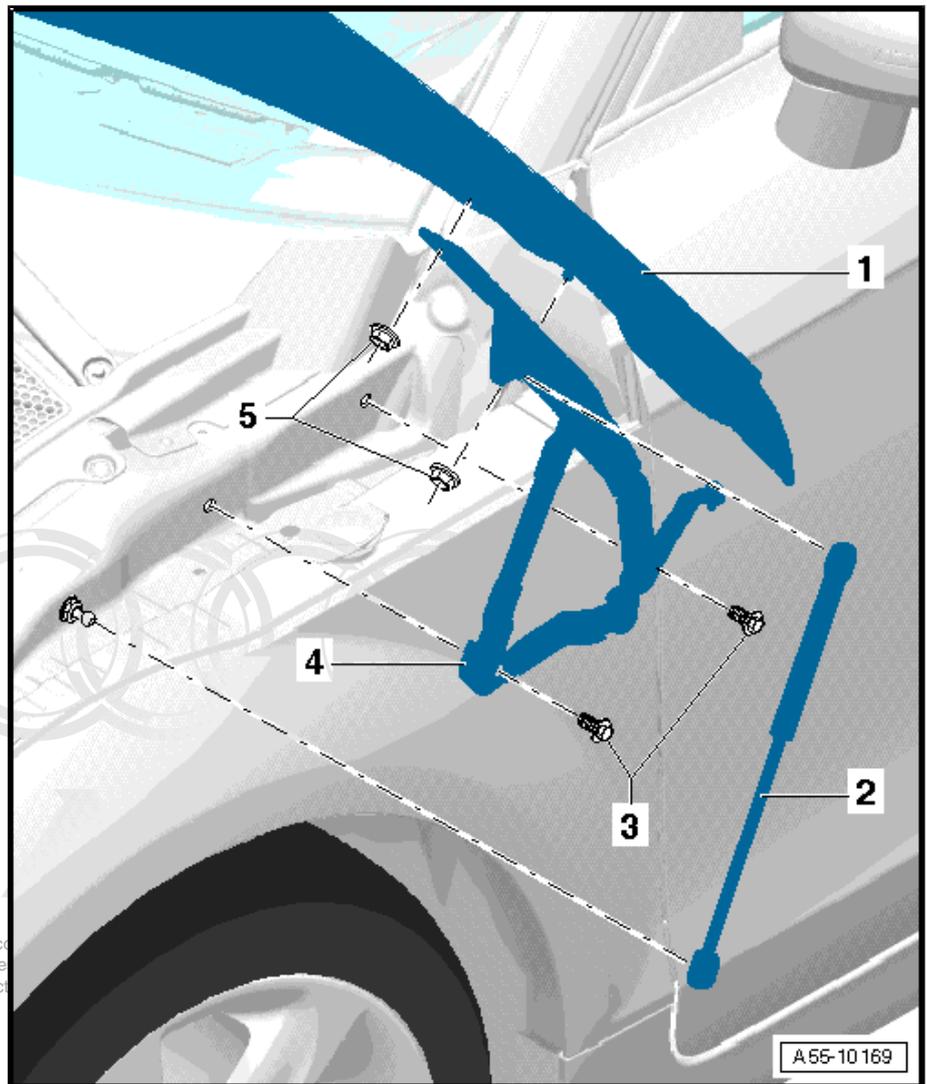
- 25 Nm

4 - Hood hinge

- Before removing a hinge, support the lid or secure it against falling.
- Gas-filled strut removed.
- Remove the bolts -3- and nuts -5-.
- When removing, remove both hood hinges.

5 - Nut

- 25 Nm



2.1.5 Gas-Filled Strut

1 - Gas strut

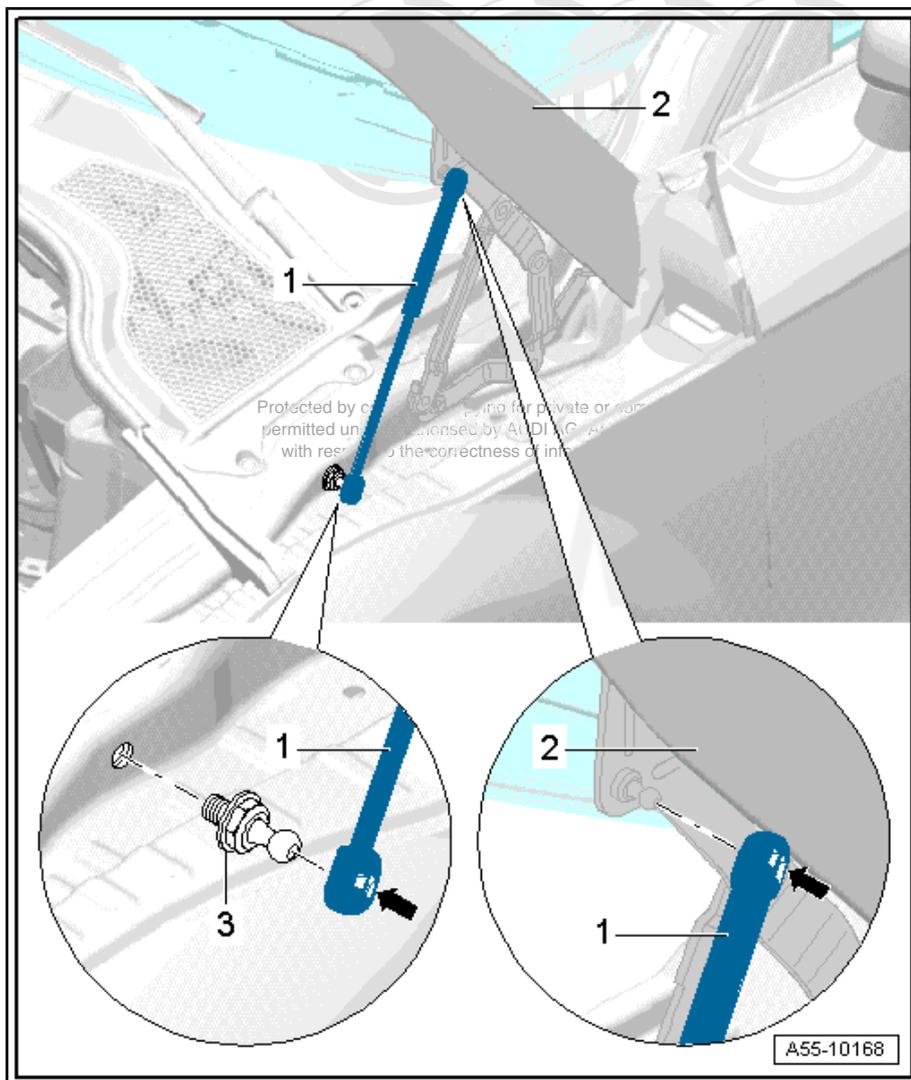
- ❑ To remove securing spring -arrow-, raise slightly and remove gas-filled strut from ball stud.



2 - Hood

3 - Ball stud

- ❑ 21 Nm



Removing

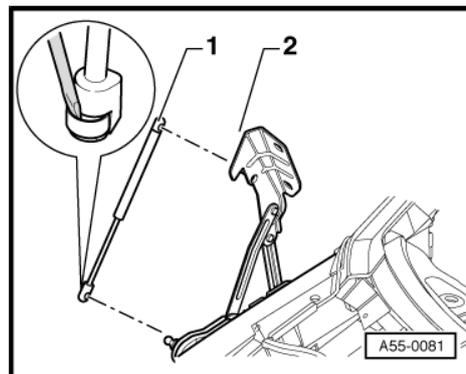
- Support the hood or secure it against falling.
- Raise securing spring slightly using a small screwdriver and remove gas-filled strut -1- from upper ball stud -2-.
- Repeat procedure on lower ball stud.

Installation



After complete removal of the gas-filled strut ensure correct positioning during installation: the gas-filled strut tube must be attached on the hood side.

- Press gas-filled strut onto ball stud and engage.

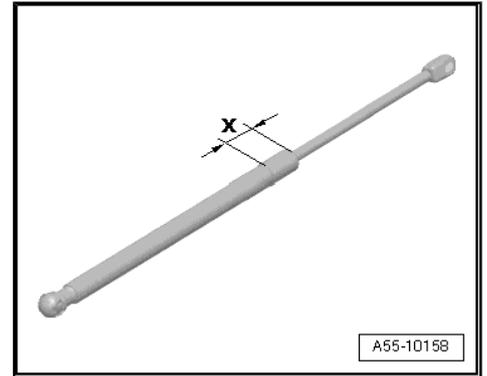


Gas-Filled Strut, Releasing Gas

- Clamp gas-filled strut in a vise in area -x- = 50 mm (2 in.).

 **WARNING**

- ◆ *Clamp only within this area, otherwise accident could occur!*
- ◆ *Wear protective eyewear when sawing.*



 **Note**

Cover area of sawn portion with a rag to absorb oil spraying out.

- Cut through the gas-filled strut cylinder within the first third of the overall cylinder length using the piston rod end of the cylinder as a reference point.

2.1.6 Front Hood Lock Release Cable

1 - Front hood lock

- Removing and installing
- To adjust the hood, slide up or down.

2 - Release cable for front hood lock

- Removing
- Cable, disconnecting at coupling ⇒ [page 33](#)
- Disengage cable from bracket -7-.
- Pull cable through to engine compartment.

- Installation: in reverse order.

3 - Foam tube

- Slid onto coupling

4 - Cable coupling

- Disconnect cable here before removing lock carrier and release lever.

5 - Grommet

- Ensure correct seating when installing.

6 - Cable cover

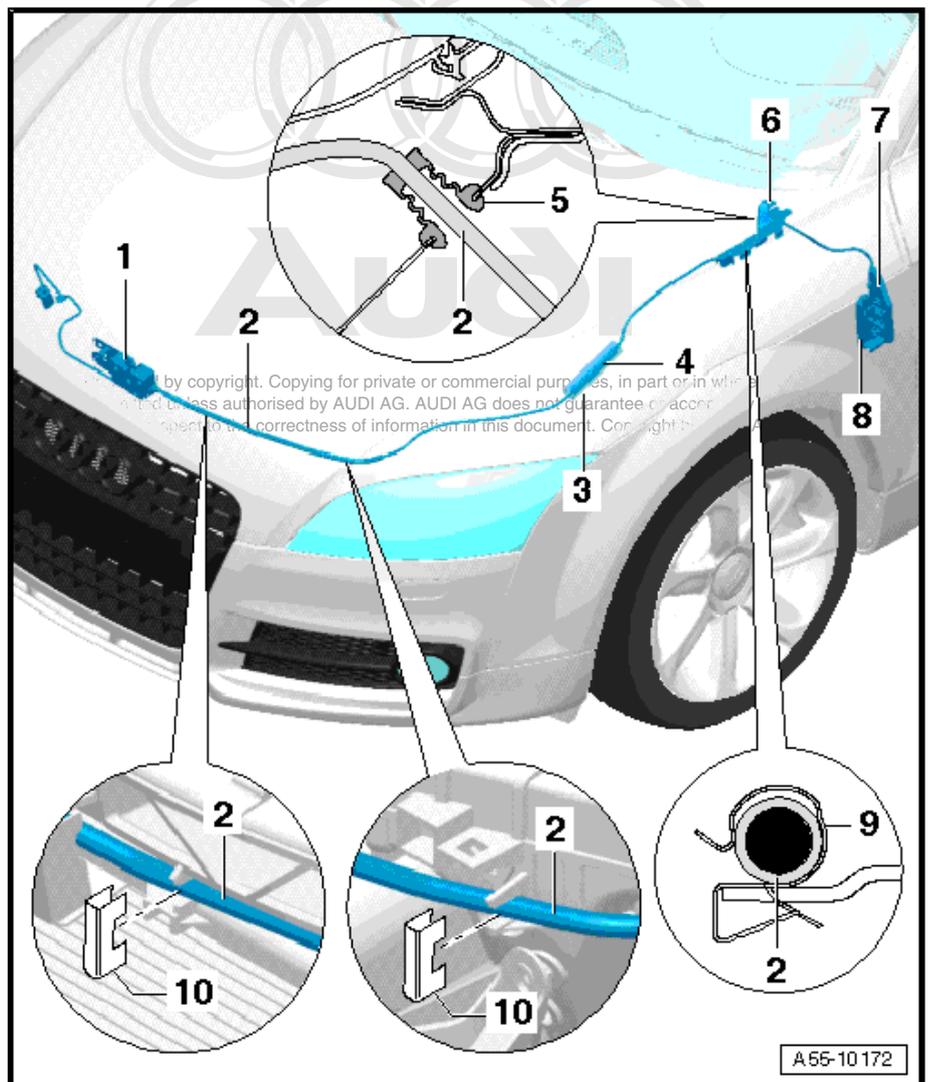
- Slid onto panel edge.

7 - Cable bracket

- Cable, disengaging ⇒ [page 36](#)

8 - Hood lock release lever

- Release lever cover, removing ⇒ [page 35](#)



9 - Retaining clip

- Slid sideways onto body flange.

10 - Clips

- Slid onto lock carrier from front

2.1.7 Cable Cover

Removing

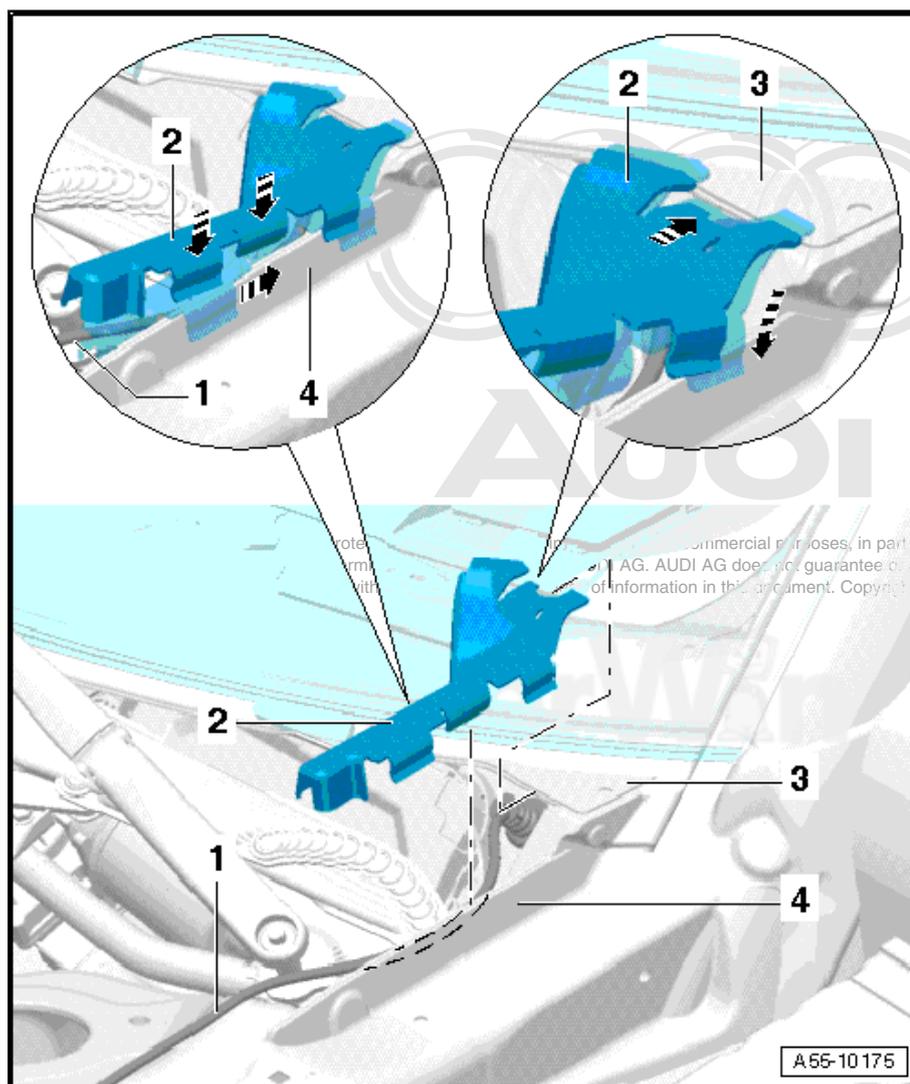
1 - Cable

2 - Cable cover

- To remove from body flange, pull forward and then remove upward from fender flange.
- Unclip cable from cover.

3 - Body flange

4 - Fender flange



2.1.8 Cable Coupling

Disconnecting and Connecting

1 - Rear cable

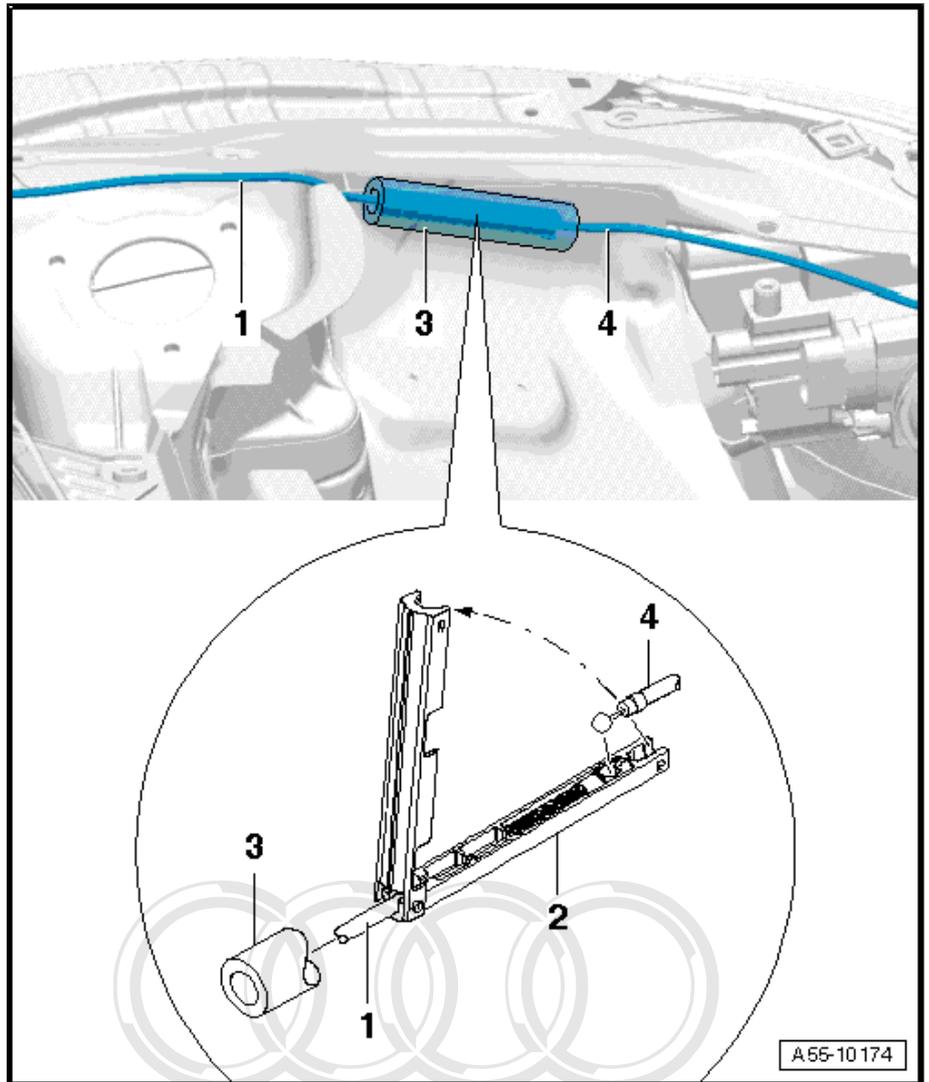
2 - Cable coupling

- To release, remove foam tube and fold coupling up
- Pry front cable with nipple out of coupling.

3 - Foam tube

- Slide sideways over coupling after installing cable

4 - Front cable



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2.1.9 Hood Lock Release Cable

Attaching

1 - Hood lock

2 - Cable nipple

- Insert cable nipple in operating lever -5-.
- Insert cable in direction of arrow into lower part of lid lock and slide in until it engages.

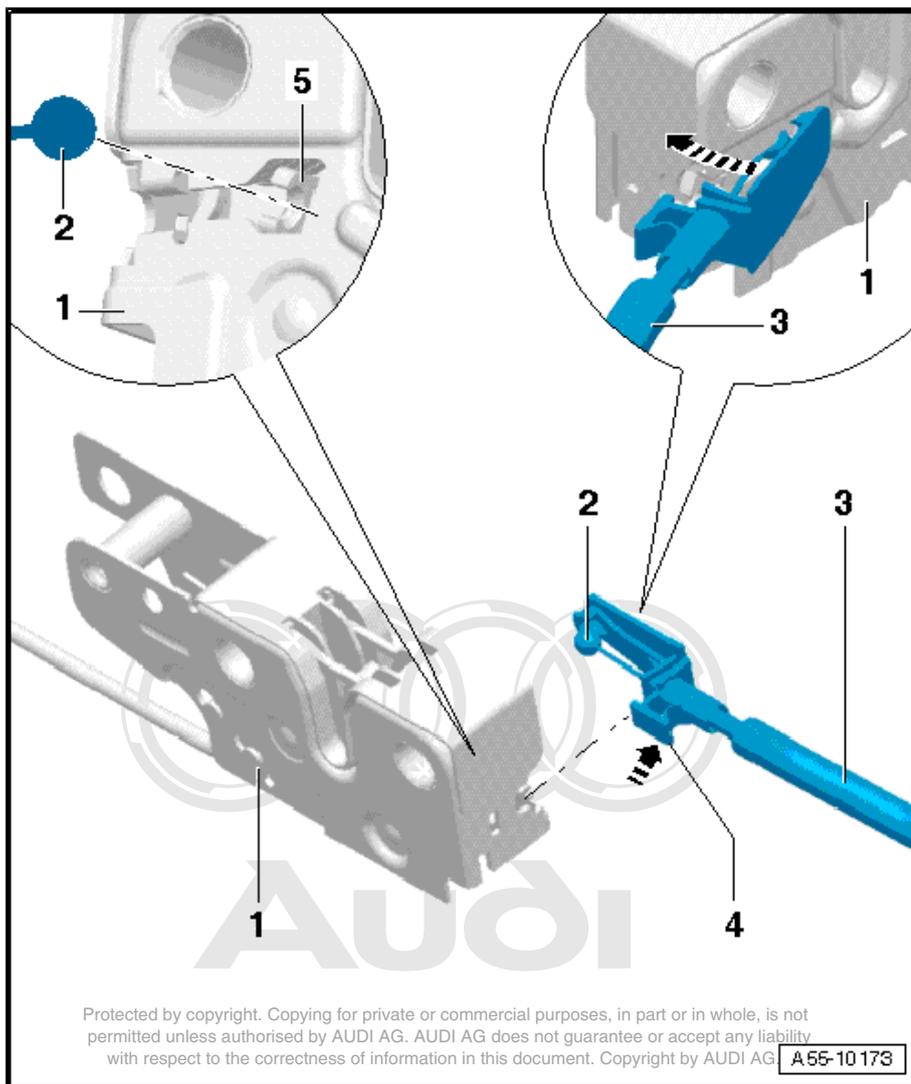
3 - Front cable

4 - Guide

- Engage the control cable guide in the lower part of the lid lock.

5 - Hood release lever

- Insert cable nipple here.



2.1.10 Hood Release Lever Cover

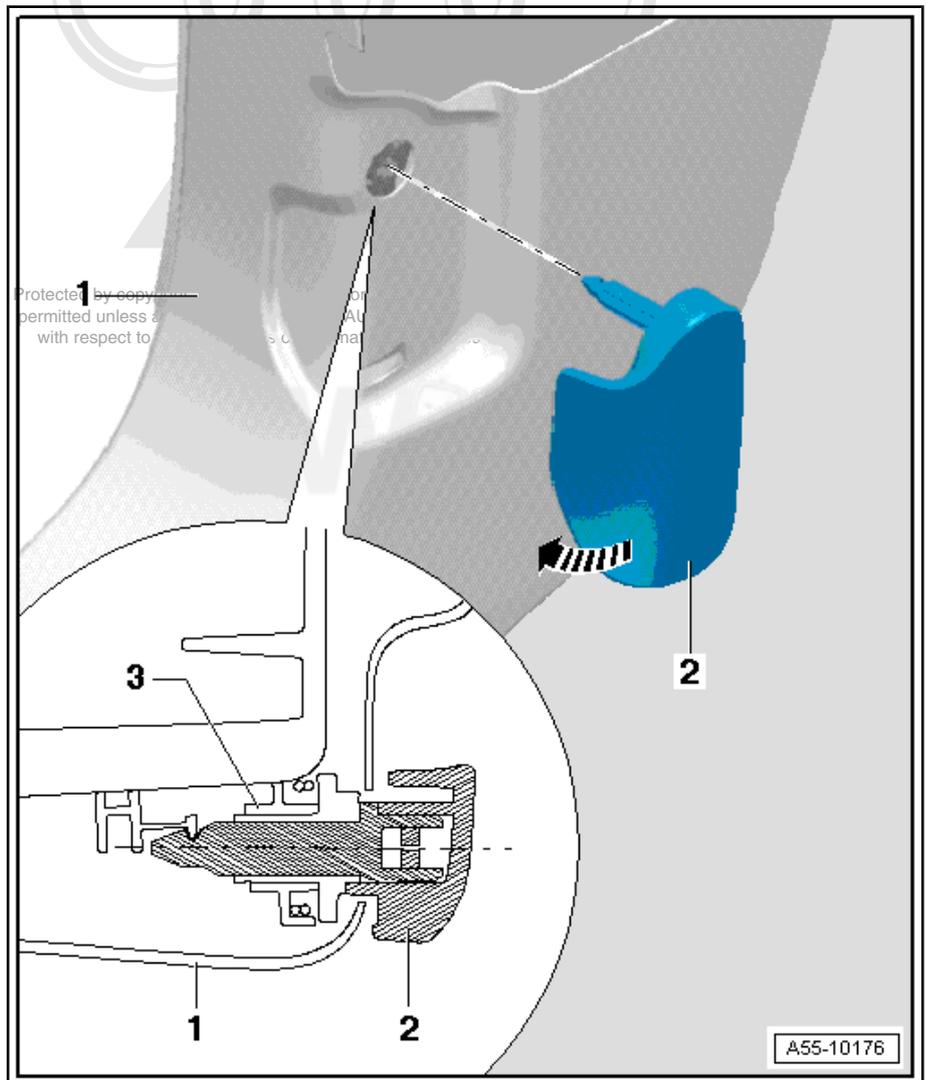
Removing

1 - Lower A-pillar trim

2 - Hood release lever cover

- ❑ Before removal, first disengage cable in coupling in engine compartment ⇒ [page 33](#).
- ❑ Raise operating lever approximately 90° and pull toward center of vehicle and out of release lever.

3 - Hood release lever



2.1.11 Hood Release Lever

Removing

1 - Screws

- 12 Nm

2 - Hood release lever mounting bracket

- No replacement part

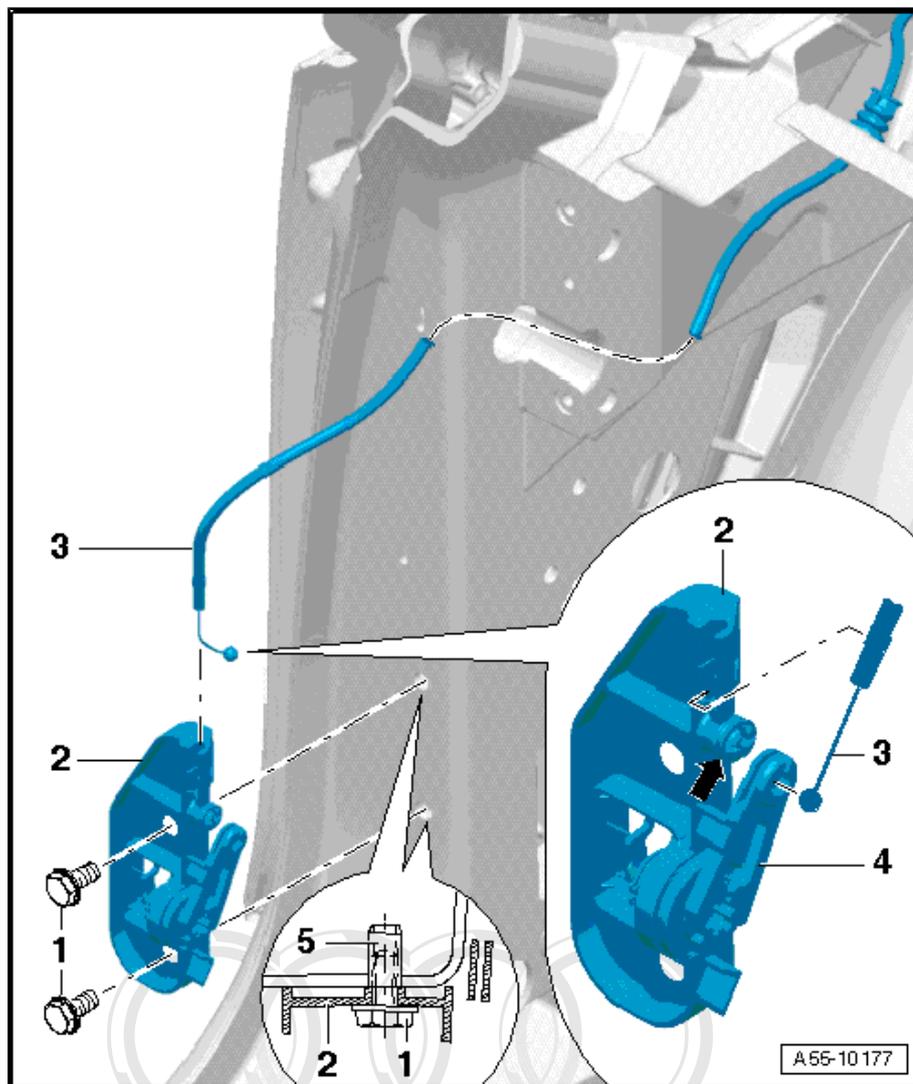
3 - Cable

- If installed correctly, cable must be guided in idler pulley -arrow- in mounting bracket -2-.

4 - Hood release lever

- Release lever cover removed
- Lower »A-pillar« trim removed
- Remove screws -1- and disengage release cable -3-.

5 - Internally threaded pop rivet



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2.1.12 Hood Seal

1 - Lock carrier seal

- Slide onto center of lock carrier from behind.

2 - Right sealing profile

- Self-adhesive.
- Remove protective paper and press onto fender flange.

3 - Plenum chamber seal

- Slide into sealing profile with pre-tension, beginning at sides.
- Press seal onto opposite side in stages.
- Install seal with tension in the curved areas.



Caution

Buckling in the rounded areas is not permitted.

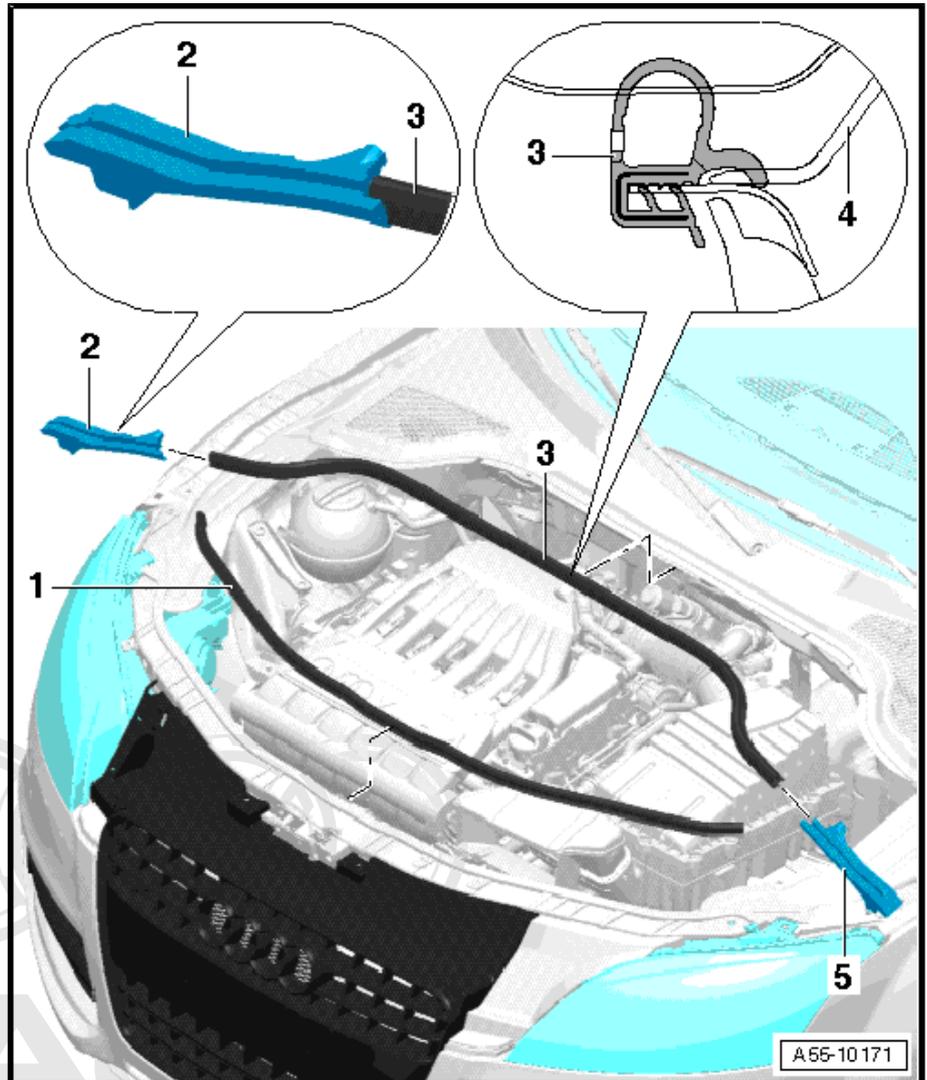
- Slide seal into sealing profile on opposite side.

4 - Plenum chamber cover

- Must be slid under lip of plenum chamber seal.

5 - Left sealing profile

- Self-adhesive.
- Remove protective paper and press onto fender flange.



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2.2 Hood - TT RS

⇒ [“2.2.1 Hood”, page 38](#)

⇒ [“2.2.2 Hood Hinge”, page 39](#)

⇒ [“2.2.3 Striker Pin with Catch”, page 39](#)

⇒ [“2.2.4 Left and Right Striker Pins”, page 40](#)

⇒ [“2.2.5 Impact Guard”, page 40](#)

⇒ [“2.2.6 Gas-Filled Strut”, page 40](#)

⇒ [“2.2.7 Center Hood Lock”, page 42](#)

⇒ [“2.2.8 Left and Right Hood Lock”, page 43](#)

⇒ [“2.2.9 Release Lever Mounting Bracket”, page 43](#)

⇒ [“2.2.10 Center Hood Lock Control Cable”, page 44](#)

⇒ [“2.2.11 Left Hood Lock Control Cable”, page 46](#)

⇒ [“2.2.12 Right Hood Lock Control Cable”, page 46](#)

⇒ [“2.2.13 Hood Lock Control Cable Mount”, page 47](#)

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2.2.1 Hood

Removing

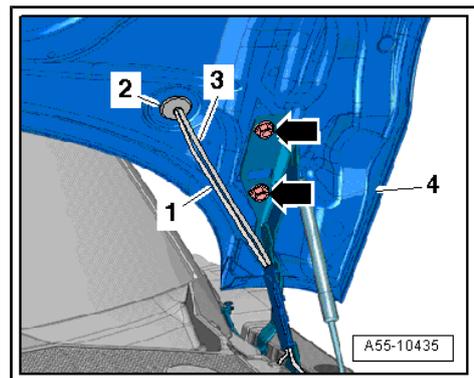
- Remove the spray nozzles ⇒ Electrical Equipment; Rep. Gr. 92 ; Removal and Installation .
- Pull sealing plug -2- out of the hood.
- Guide electrical wiring harness -3- and washer fluid line -1- out of the hood.



WARNING

Risk of injury!

- ◆ *A second person is needed during removal and installation to support and hold the hood.*



- Loosen the left and right nuts -arrows- on the hinge.
- Remove hood -4-.

Installation

- For the correct tightening specifications, refer to ⇒ [“1.2.1 Hood Assembly Overview”, page 12](#) .

Install in reverse order of removal. Note the following:

- Adjust the hood. Refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)

2.2.2 Hood Hinge

Removing

- Remove the hood. Refer to ⇒ [“2.2.1 Hood”, page 38](#)
- Detach gas-filled strut -2- from the lid hinge. Refer to ⇒ [“2.2.6 Gas-Filled Strut”, page 40](#).
- Detach line channel -1- on the lid hinge by releasing the catches.
- Mark the installation location of lid hinge -3- with a marker for reinstallation.
- Remove the bolts -4- and -5-.

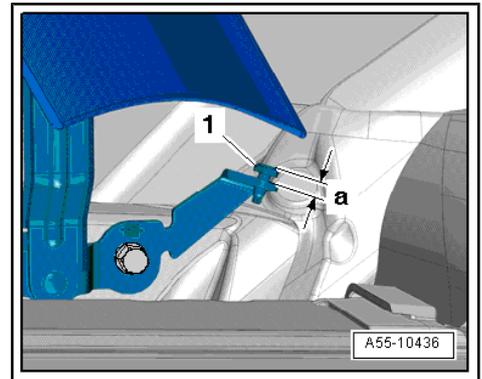
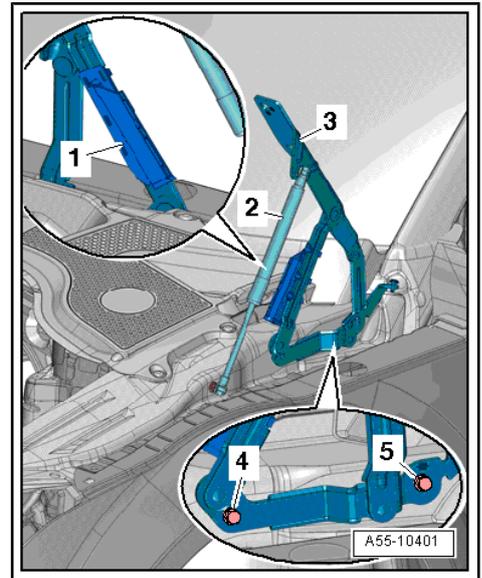
Note

Screws -4- and -5- are different lengths.

- Remove the lid hinge.

Installing

- For the correct tightening specifications, refer to ⇒ [“1.2.1 Hood Assembly Overview”, page 12](#).
- Install in reverse order of removal. Note the following:
- Adjust lid hinge stop screw -1- to dimension -a-.
 - Dimension -a- = 34 mm.
 - Install the lid hinge according to the marking applied during removal.
 - Adjust the hood. Refer to ⇒ [“1.2.3 Hood, Adjusting”, page 14](#)



2.2.3 Striker Pin with Catch

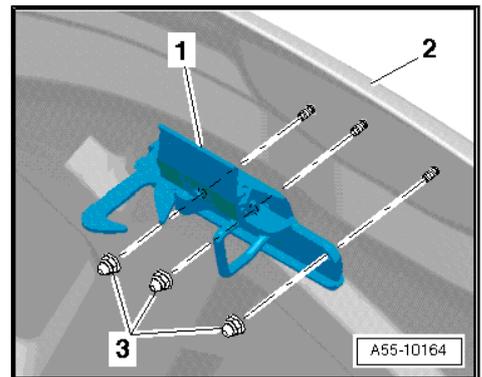
Removing

- Remove the cap nuts -3-.
- Remove striker pin -1- with catch on hood -2-.

Installation

- For the correct tightening specifications; refer to ⇒ [“1.2.1 Hood Assembly Overview”, page 12](#)

Install in reverse order of removal.



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2.2.4 Left and Right Striker Pins

Removing

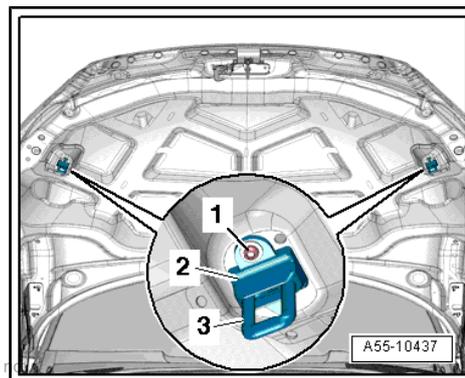
- Open the hood.
- Remove the bolt -1- and the striker pin anti-twist mechanism -2-.
- Remove lid lock striker pin -3-.

Installation

- For the correct tightening specifications, refer to ["1.2.1 Hood Assembly Overview", page 12](#).

Install in reverse order of removal. Note the following:

- Striker Pin Adjusting refer to ["1.2.3 Hood, Adjusting", page 14](#).



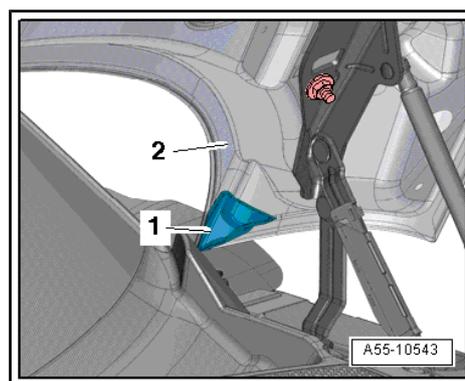
2.2.5 Impact Guard

Special tools and workshop equipment required

- ◆ Hot air gun -V.A.G 1416-
- ◆ Cleaning solution -D 009 401 04-

Removing

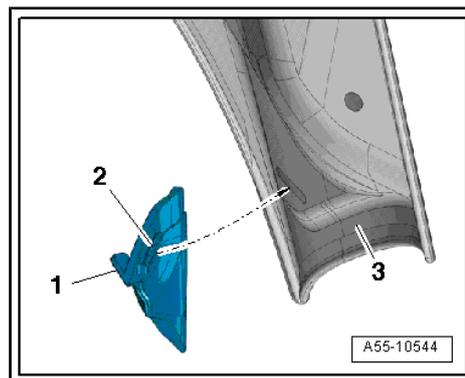
- Open the hood.
- Carefully warm impact guard -1- with the -V.A.G 1416- and remove from hood -2- in the area of the adhesive surface.
- Remove the impact guard.



Installation

Install in reverse order of removal. Note the following:

- Use -VAS 6349- to remove any remaining adhesive.
- Clean the adhesive surfaces with cleaning solution -D 009 401 04-.
- Remove the protective film and insert guide -2- on impact guard -1- into the mount of hood -3-.
- The impact guard must be flush with the outer edge of the hood.
- Press on the entire length of the impact guard.



2.2.6 Gas-Filled Strut



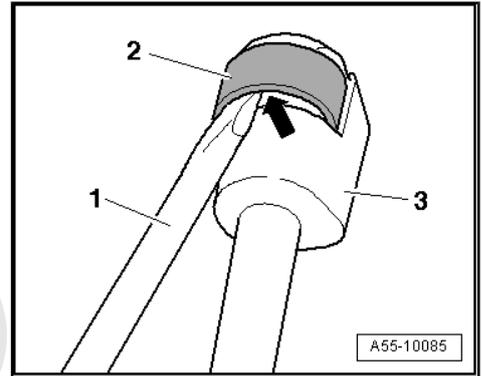
Note

Different gas-filled struts are installed and their removal varies.

Removing the gas-filled strut with the steel spring

 **WARNING**
There is a risk of an accident.
 ♦ *Support the lid or secure it against falling down before removing a gas-filled strut.*

- Detach the gas-filled strut for the hood by lifting retaining spring -2- using a small screwdriver -1- -arrow-. Now remove gas-filled strut -3- from the ball stud.



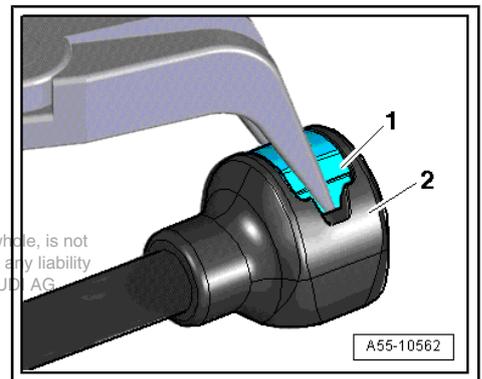
Removing the gas-filled strut with the plastic clip

- Use commercially available needle-nose pliers to press plastic clip -1- together as shown and remove gas-filled strut -2- from the ball pin.

Installation

Install in reverse order of removal. Note the following:

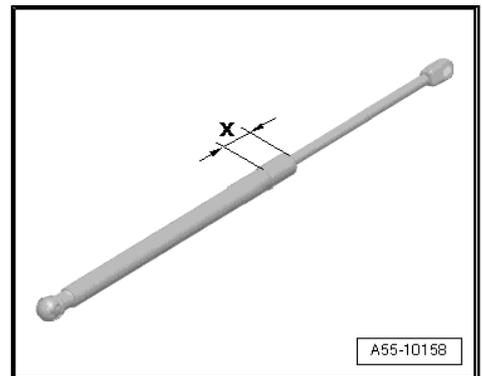
- The gas-filled strut tube is installed on the lid side
- Press the gas-filled strut onto the ball stud until it engages audibly.



Gas-Filled Strut, Releasing Gas

- Clamp gas-filled strut in a vise in area -x- = 50 mm (2 in.).

 **WARNING**
Risk of injury!
 ♦ *Only clamp in this area.*
 ♦ *Wear protective eyewear when sawing.*



 **Note**

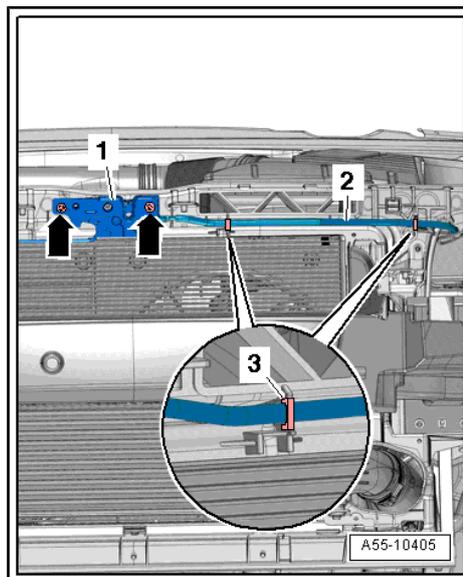
To collect escaping oil, cover the cut area with a cleaning cloth.

- Cut through the gas-filled strut cylinder within the first third of the overall cylinder length using the piston rod end of the cylinder as a reference point.

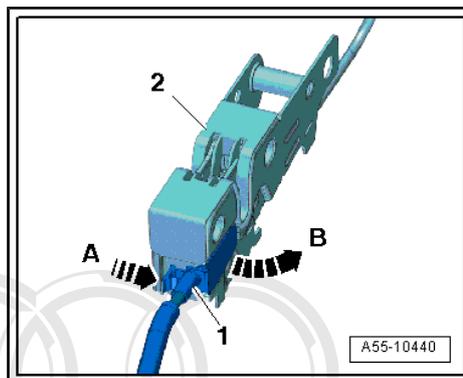
2.2.7 Center Hood Lock

Removing

- Remove the hood contact switch -F266- only from the front hood lock. Refer to ⇒ ["2.3.1 Hood Switch F266", page 98](#) .
- Pry up retaining clips -3- on control cable guide -2-.
- Remove the bolts -arrows-.
- Remove front hood lock -1- from the lock carrier.



- Push the release lever on control cable -1- in the -direction of arrow A-.
- Move the bracket with the control cable in the -direction of arrow B- and detach from front hood lock -2-.

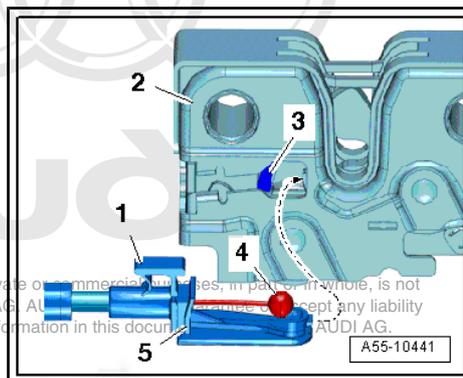


Installation

- For the correct tightening specifications; refer to ⇒ ["1.2.4 Hood Locks Assembly Overview", page 16](#) .

Install in reverse order of removal. Note the following:

- Engage bracket -5- with the control cable on front hood lock -2- -arrow- and move it up until locking mechanism -1- engages in the lid lock. This engages control cable fitting -4- on lid lock release operating lever -3-.
- Install the hood contact switch -F266- on the front hood lock ⇒ ["2.3.1 Hood Switch F266", page 98](#) .
- Adjust the hood. Refer to ⇒ ["1.2.3 Hood, Adjusting", page 14](#)

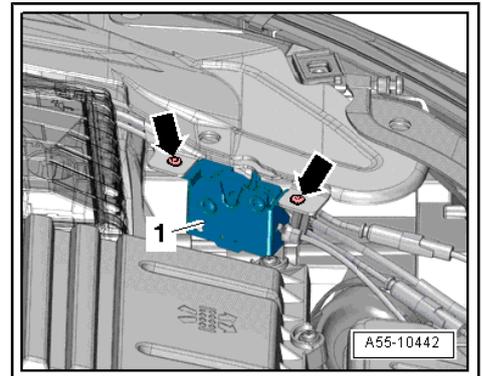


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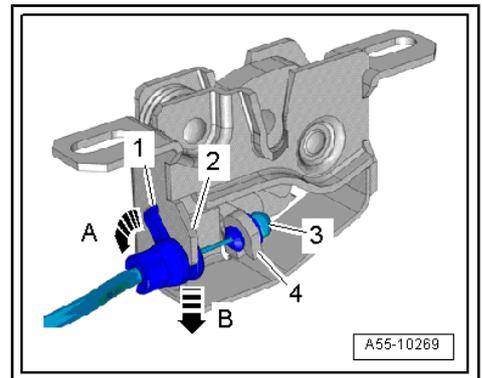
2.2.8 Left and Right Hood Lock

Removing

- Remove the bolts -arrows-.
- Remove the hood lock -1- until the cable is visible,



- Release retaining tab -1- -arrow A- and remove control cable bracket from mount -2- -arrow B-.
- Remove control cable fitting -3- from release lever -4- on the lid lock.
- Remove the lid lock.



Installation

- For the correct tightening specifications; refer to [⇒ "1.2.4 Hood Locks Assembly Overview", page 16](#) .

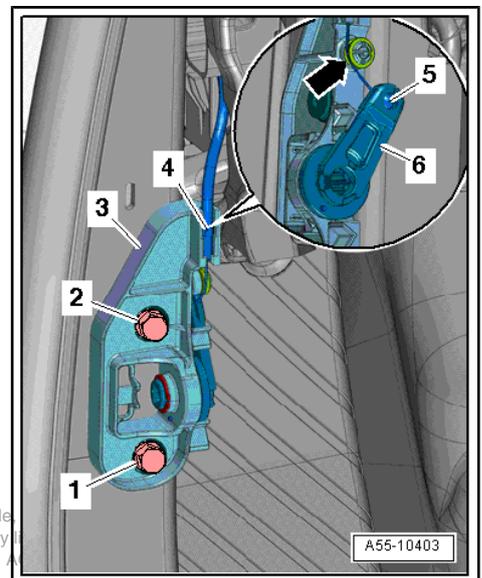
Install in reverse order of removal. Note the following:

- Adjust the hood. Refer to [⇒ "1.2.3 Hood, Adjusting", page 14](#)

2.2.9 Release Lever Mounting Bracket

Removing

- Remove the driver side instrument panel cover. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove lower A pillar trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove the bolts -1- and -2-.
- Remove hood control cable -4- from the bracket and remove at the idler pulley -arrow-.
- Detach control cable fitting -5- from operating lever -6-.
- Remove operating lever mounting bracket -3-.



Installation

Install in reverse order of removal. Note the following:

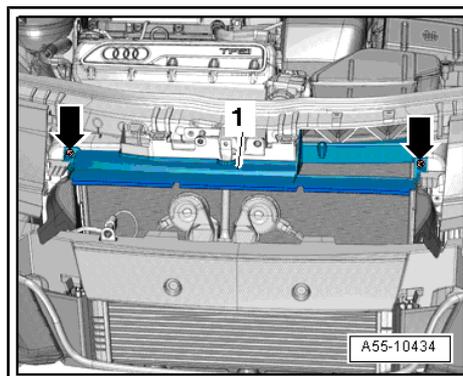
- For the correct tightening specifications; refer to [⇒ "1.2.5 Hood Control Cable, Control Cable Operating Lever Assembly overview", page 17](#) .

- The control cable fitting must be inserted correctly in the operating lever.
- Insert the control cable in the idler pulley and press the control cable sleeve into the bracket.
- Installing the lower A-pillar trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Installing the instrument panel cover on the driver side. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .

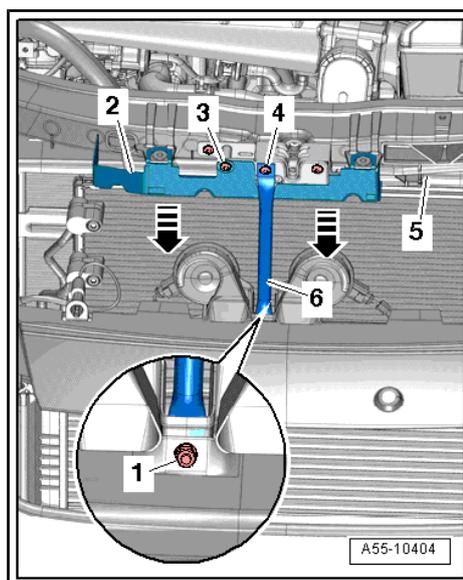
2.2.10 Center Hood Lock Control Cable

Removing

- Remove bumper. Refer to
 => ["2.2.1 Front Bumper", page 170](#) .
- Remove the bolts -arrows-.
- Remove air guide -1-.

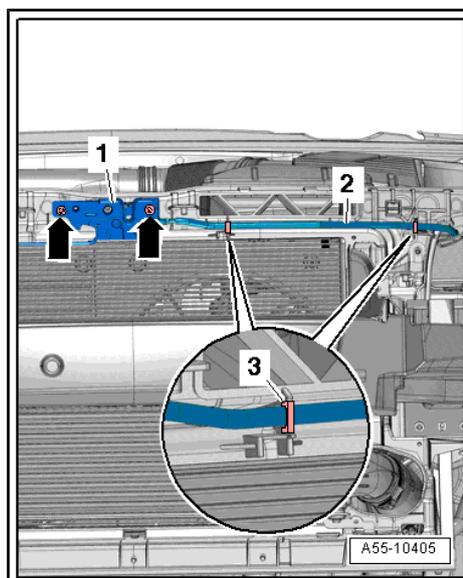


- Remove the nuts -1- and bolts -3- and -4-.
- Remove brace -6-.
- Detach bottom theft protection -2- from lock carrier -5- -arrows- and remove.

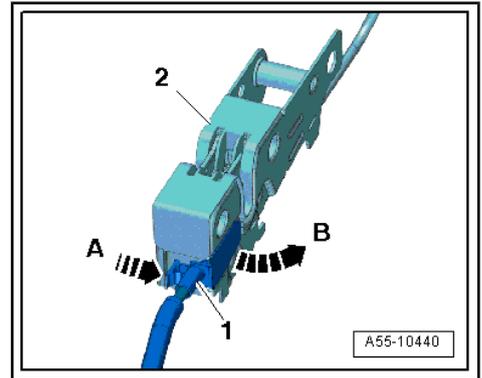


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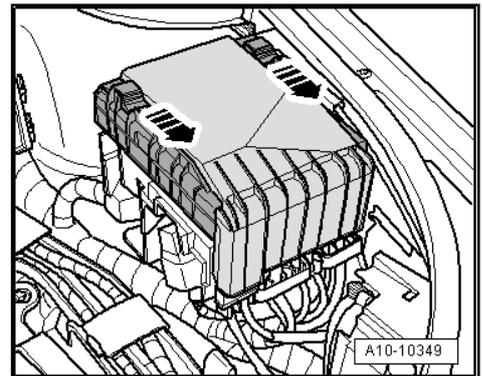
- Pry up retaining clips -3- on control cable guide -2-.
- Remove the bolts -arrows-.
- Remove front hood lock -1- from the lock carrier.



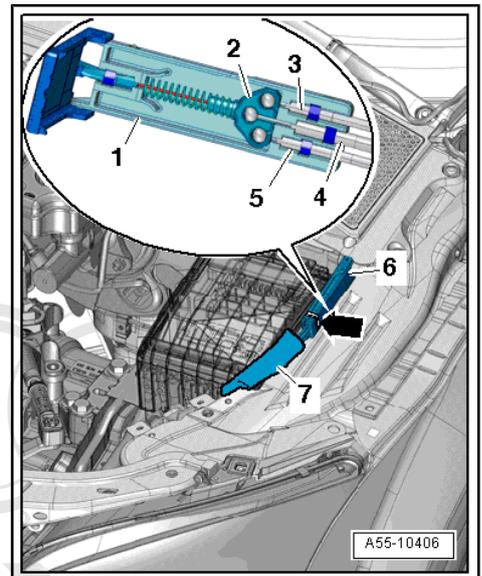
- Push the release lever on control cable -1- in the -direction of arrow A-.
- Move the bracket with the control cable in the -direction of arrow B- and detach from front hood lock -2-.



- Remove the engine compartment E-box cover by pushing both bars in the -direction of the arrow-.



- Push foam grommet -7- on control cable mount -6- to the side.
- Cut through the cable tie -arrow-.
- Release the retaining clips and open the cover.
- Remove control cable bracket -4- from control cable mount -1-.
- Detach the control cable fitting for the front lid lock from connecting piece -2-.



 **Note**

Ignore -3 and 5-.

- Conduct the control cable forward through the opening in the lock carrier.

Installation

Install in reverse order of removal. Note the following:

 **Note**

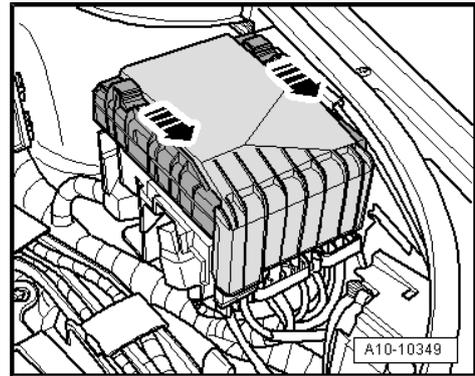
When installing, position cable ties in same place. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.

- Install the engine compartment E-box cover. Refer to => Electrical Equipment; Rep. Gr. 97 ; Removal and Installation .
- Install the front lid lock. Refer to => ["2.2.7 Center Hood Lock", page 42](#) .
- Install the bumper. Refer to => ["2.2.1 Front Bumper", page 170](#) .

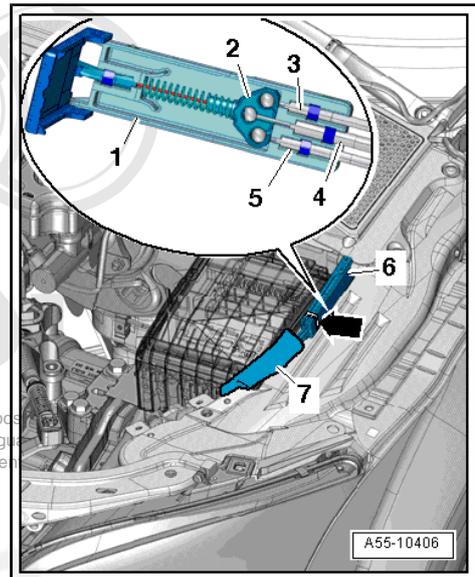
2.2.11 Left Hood Lock Control Cable

Removing

- Remove the left lid lock. Refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#) .
- Remove the engine compartment E-box cover by pushing both bars in the -direction of the arrow-.



- Push foam grommet -7- on control cable mount -6- to the side.
- Cut through the cable tie -arrow-.
- Release the retaining clips and open the cover.
- Remove control cable bracket -3- from control cable mount -1-.
- Detach the control cable fitting for the left lid lock from connecting piece -2-.



Note

Ignore -4 and 5-.

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- Disconnect the cable ties and remove the lid lock control cable.

Installation

Install in reverse order of removal. Note the following:

Note

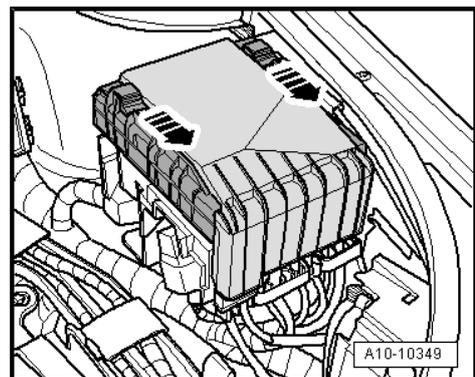
When installing, position cable ties in same place.

- Install the left lid lock. Refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#) .
- Install the engine compartment E-box cover. Refer to ⇒ Electrical Equipment; Rep. Gr. 97 ; Removal and Installation .

2.2.12 Right Hood Lock Control Cable

Removing

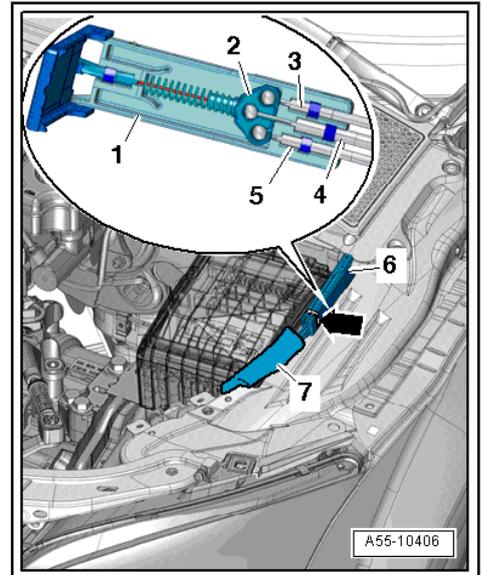
- Remove the engine compartment E-box cover by pushing both bars in the direction of -arrow-.



- Push foam grommet -7- on control cable mount -6- to the side.
- Cut through the cable tie -arrow-.
- Release the retaining clips and open the cover.
- Remove control cable bracket -5- from control cable mount -1-.
- Detach the control cable fitting for the right lid lock from connecting piece -2-.

 **Note**

Ignore -3 and 4-.



- Remove the screws -arrows- and the air guide.
- Remove the right hood lock. Refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#).
- Disconnect the cable ties and remove the lid lock control cable.

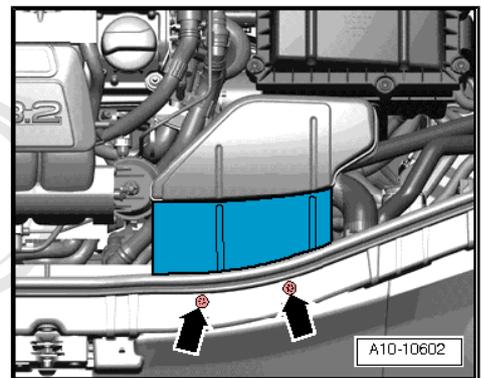
Installation

Install in reverse order of removal. Note the following:

 **Note**

When installing, position cable ties in same place.

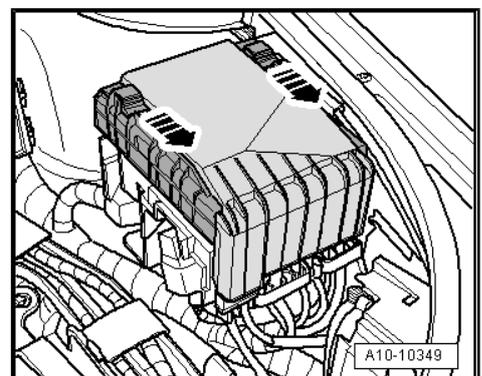
- Install the right hood lock. Refer to [⇒ "2.2.8 Left and Right Hood Lock", page 43](#).
- Install the engine compartment E-box cover. Refer to [⇒ Electrical Equipment; Rep. Gr. 97; Removal and Installation](#).



2.2.13 Hood Lock Control Cable Mount

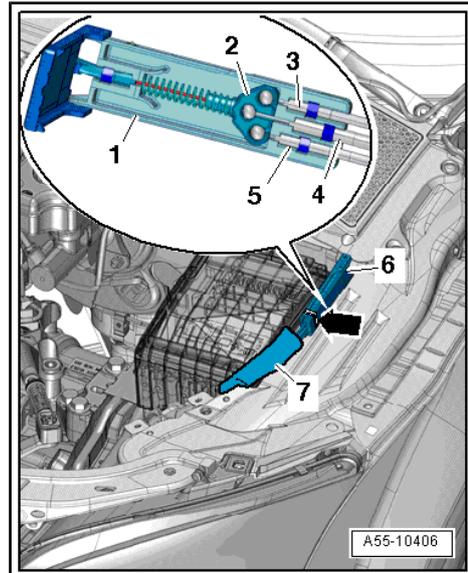
Removing

- Remove the engine compartment E-box cover by pushing both bars in the direction of -arrow-.



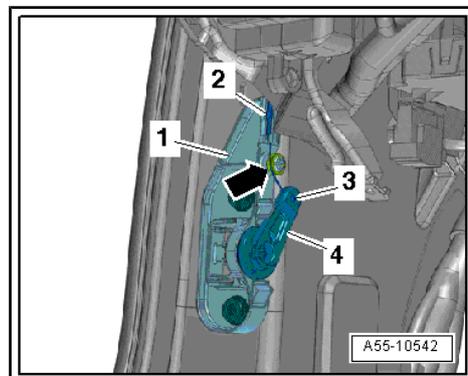
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- Push foam grommet -7- on control cable mount -6- to the side.
- Cut through the cable tie -arrow-.
- Release the retaining clips and open the cover.
- Remove control cable bracket -3, 4, 5- from control cable mount -1-.
- Detach the control cable fitting for the lid lock from connecting piece -2-.



- Remove the driver side instrument panel cover. Refer to => Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove lower A pillar trim. Refer to => Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove hood control cable -2- from bracket -1- and remove at the idler pulley -arrow-.
- Detach control cable fitting -3- from operating lever -4-.

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- Remove windshield wiper arms. Refer to => Electrical Equipment; Rep. Gr. 92 ; Removal and Installation .
- Remove the bolts -3- and -4-.
- Remove rubber seal -1-.

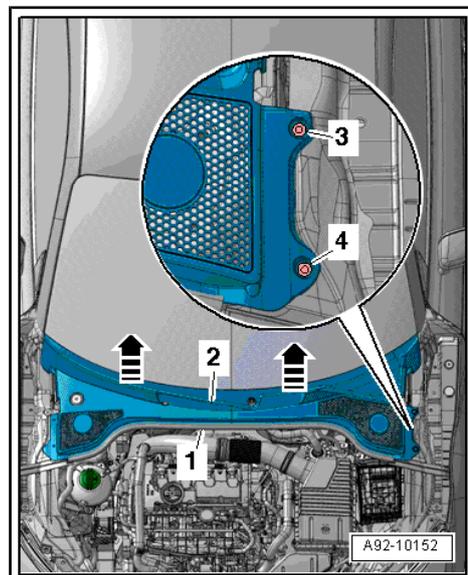


Caution

There is a risk of damaging the plenum chamber cover.

- ◆ *Coat the transition between the windshield and water plenum cover with soap solution.*

- Pull plenum chamber cover -2- vertically up from the window edge starting carefully with the windshield catches -arrows-.

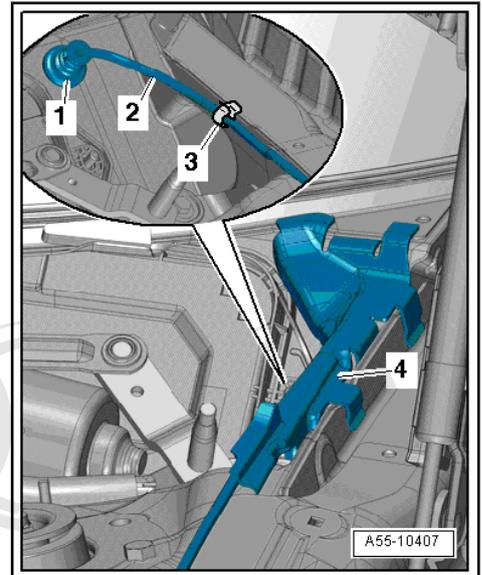


- Remove cover -4- and remove the control cable from retaining clip -3-.
- Pull sealing grommet -1- with control cable -2- from the body opening.
- Remove the mount for the lid lock control cables.

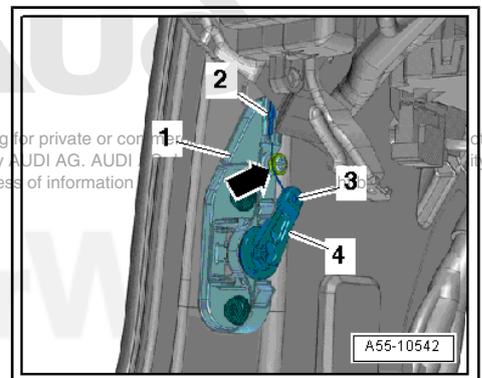
Installation

Install in reverse order of removal. Note the following:

- Install the plenum chamber cover. Refer to ⇒ ["1.4 Plenum Chamber Cover", page 5](#) .
- Install the engine compartment E-box cover. Refer to ⇒ Electrical Equipment; Rep. Gr. 97 ; Removal and Installation .



- Attach control cable fitting -3- in operating lever -4-.
- Conduct hood control cable -2- over the idler pulley -arrow- and press it into bracket -1-.
- Installing the lower A-pillar trim. Refer to ⇒ [Body Interior; Rep. Gr. 70 ; Removal and Installation](#) .
- Installing the instrument panel cover on the driver side. Refer to ⇒ [Body Interior; Rep. Gr. 70 ; Removal and Installation](#) .



2.3 Rear Lid - Coupe

⇒ [“2.3.1 Rear Lid”, page 50](#)

⇒ [“2.3.2 Rear Lid Stop Buffer”, page 51](#)

⇒ [“2.3.3 Rear Lid Hinge”, page 52](#)

⇒ [“2.3.4 Rear Lid Hinge Cover”, page 53](#)

⇒ [“2.3.5 Gas-Filled Strut”, page 53](#)

⇒ [“2.3.6 Rear Lid Latch”, page 56](#)

⇒ [“2.3.7 Rear Lid Seal”, page 58](#)

2.3.1 Rear Lid

1 - Rear lid

- A second person is needed during removal and installation to support and hold the rear lid.

□ Removing

- Remove the rear lid trim panel. Refer to ⇒ [Body Interior; Rep. Gr. 70](#); Removal and Installation.

- Disconnect the electrical wires and remove from the lid.

- Remove left and right gas-filled struts. Refer to ⇒ [“2.3.5 Gas-Filled Strut”, page 53](#).

- Remove the bolts at the connection for the rear lid hinge/rear lid, refer to ⇒ [“2.3.3 Rear Lid Hinge”, page 52](#).

- Remove the rear lid.

□ Installation: in reverse order.

□ Adjusting:

- The gas damper must be attached before installing a new rear lid.

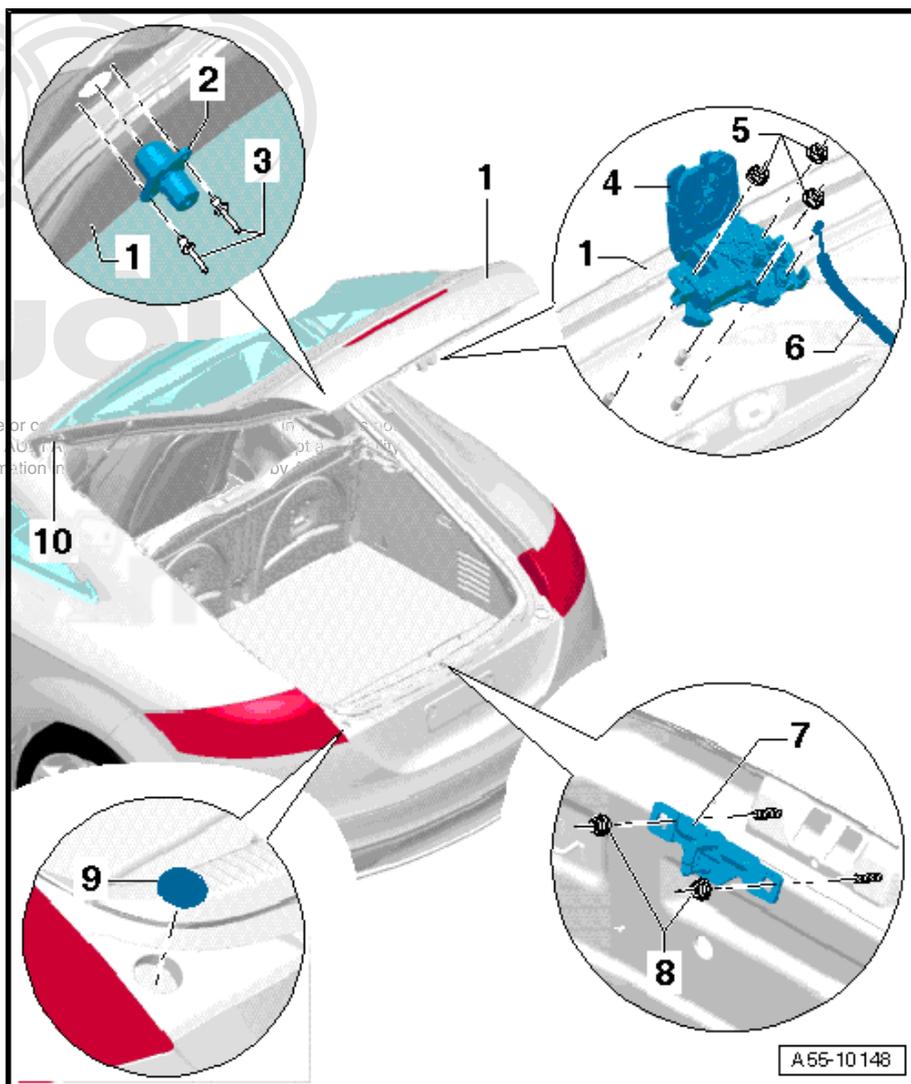
- Perform height and length adjustments for the upper rear lid above the rear lid hinge.

- Perform lower height adjustment over lid lock.

- Align the lid so it is centered according to the gap dimensions ⇒ [page 18](#).

- Adjust stop buffers ⇒ [Item 2 \(page 50\)](#).

- Rear Lid Seal, Removing and Installing, refer to ⇒ [“2.3.7 Rear Lid Seal”, page 58](#).



2 - Rubber stop

- If lid is adjusted correctly, stop buffers must lightly contact body when lid is closed.

3 - Pop rivet

- To remove, drill out rivet head and drive out rivet shaft.

4 - Rear lid lock

- To remove, remove combi-bolts and disengage cable.

5 - Nuts

- 21 Nm

6 - Cable for emergency release

7 - Striker

- Adjusting:
 - Tighten combi-bolts ⇒ [Item 5 \(page 51\)](#) by hand (it must still be possible to slide striker).
 - Carefully close the rear lid so that it is flush with the side panels.
 - Carefully open lid and tighten bolts ⇒ [Item 5 \(page 51\)](#).

8 - Nuts

- 21 Nm

9 - Protective film

- Self-adhesive.
- Remove protective paper before applying.

10 - Rear lid hinge

- Removing and installing ⇒ ["2.3.3 Rear Lid Hinge", page 52](#)

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2.3.2 Rear Lid Stop Buffer

- Close the rear lid.



Note

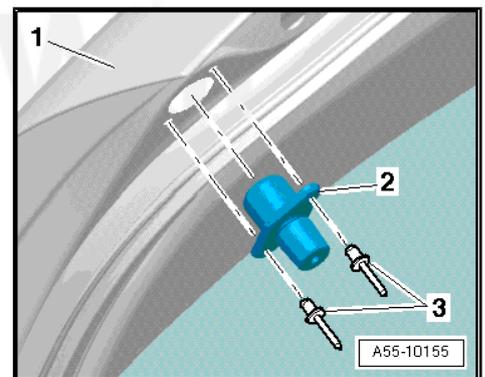
If lid is adjusted correctly, stop buffers must lightly contact body when lid is closed.

- The replacement buffers are pre-adjusted and are moved out or in only when needed.
- Check gap dimensions ⇒ [page 18](#).



Note

To remove stop buffer, drill out rivet head -1-, drive out rivet shaft and remove buffer.



2.3.3 Rear Lid Hinge

1 - Rear lid hinge

- Only remove bolts -3- to remove lid.
- Loosen headline in area of nut -4-.
- To remove, remove cover => [page 53](#) and nut -4-.

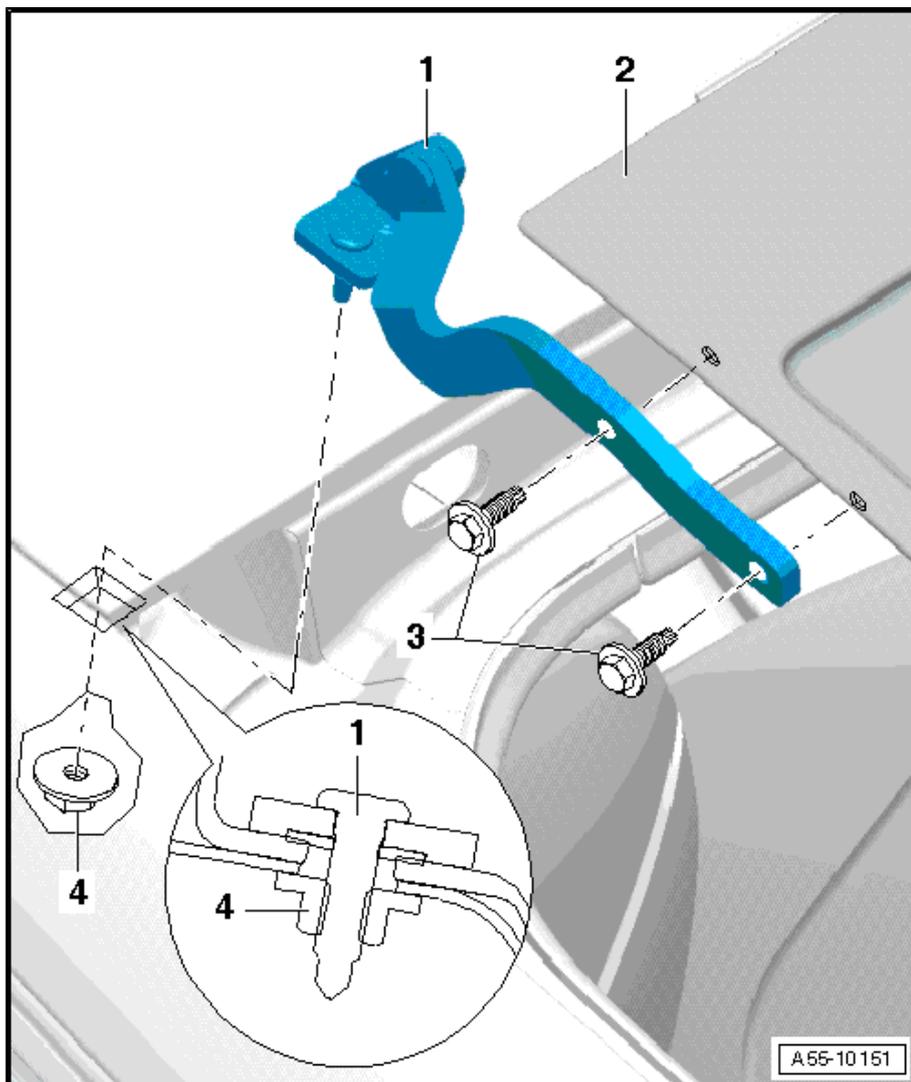
2 - Hood

3 - Bolt

- 21 Nm

4 - Nut

- 21 Nm



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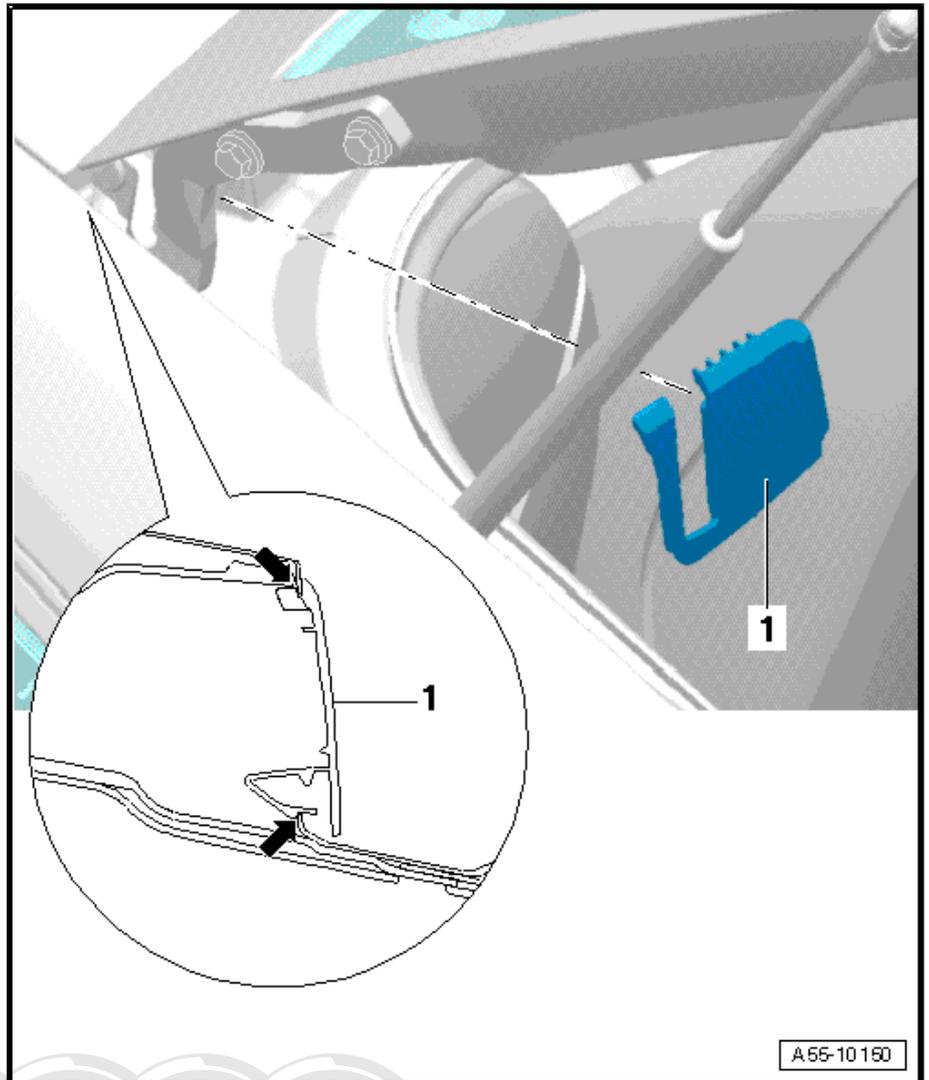


2.3.4 Rear Lid Hinge Cover

Removing

1 - Lid hinge cover

- ❑ First pry out of bottom of rear lid hinge cover and remove
- ❑ When installing, first engage at top and then at bottom.



2.3.5 Gas-Filled Strut



WARNING

There is a risk of an accident.

- ◆ *Support the lid or secure it against falling down before removing a gas-filled strut.*

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1 - Hood**2 - Gas strut**

- ❑ Note the installation location and attach the gas-filled strut tube on the body side.

- ❑ Note different versions.

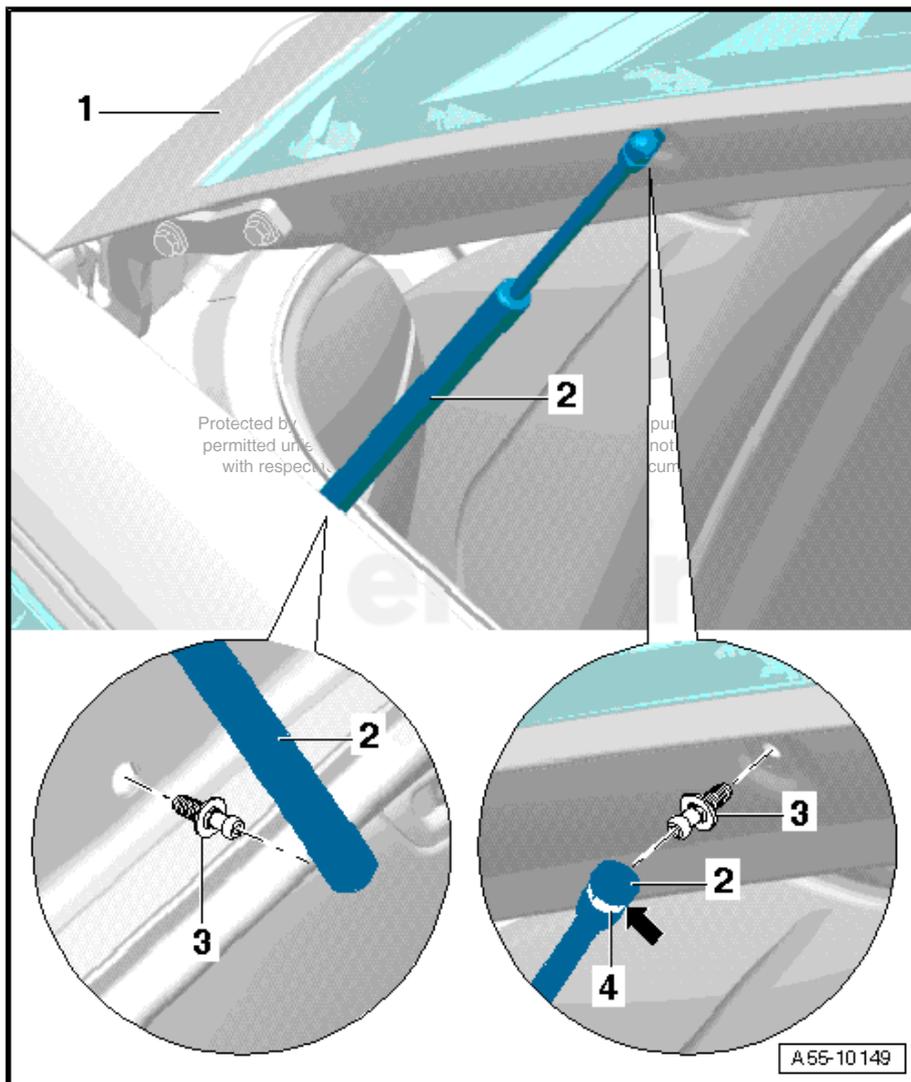
3 - Ball stud

- ❑ 21 Nm

4 - Retaining clip

- ❑ To release, raise slightly with a small screwdriver.

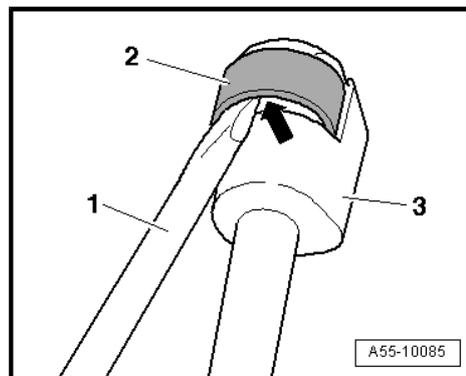
- ❑ Note different versions.

**Note**

Different gas-filled struts are installed and their removal varies.

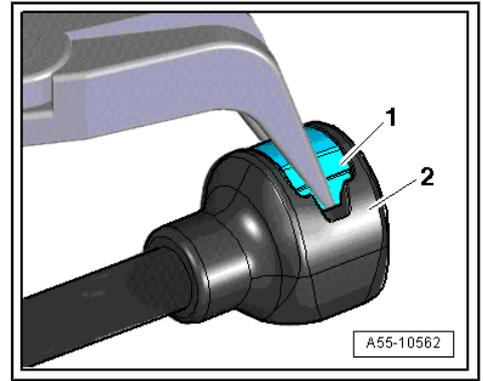
Removing the gas-filled strut with the steel spring

- Detach the gas-filled strut for the rear lid by lifting retaining spring -2- using a small screwdriver -1- -arrow-. Now remove gas-filled strut -3- from the ball stud.



Removing the gas-filled strut with the plastic clip

- Use commercially available needle-nose pliers to press plastic clip -1- together as shown and remove gas-filled strut -2- from the ball pin.



Installation

Note

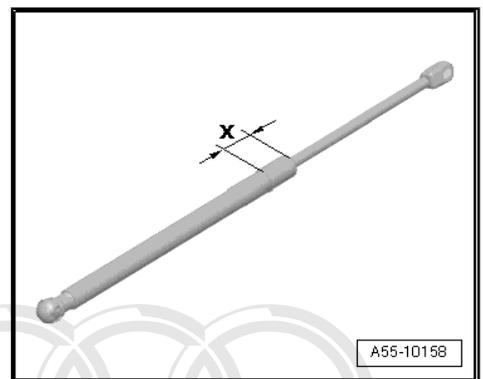
- ◆ After completely removing gas-filled strut, ensure correct position when installing.
- ◆ Tube of gas-filled strut must be engaged on body side
- Press gas-filled strut onto ball stud, first at bottom and then at top.

Gas-Filled Strut, Releasing Gas

- Clamp gas-filled strut in a vise in area -x- = 50 mm (2 in.).

 **WARNING**

- ◆ Clamp only within this area, otherwise accident could occur!
- ◆ Wear protective eyewear when sawing.



Note

Cover area of sawn portion with a rag to absorb oil spraying out.

- Cut through the gas-filled strut cylinder within the first third of the overall cylinder length using the piston rod end of the cylinder as a reference point.

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2.3.6 Rear Lid Latch

1 - Hood

2 - Rear lid latch

- The rear lid trim panel is removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Before removal, remove lid lock cover.
- Emergency release cable, disengaging
- Remove nuts and remove lid lock.

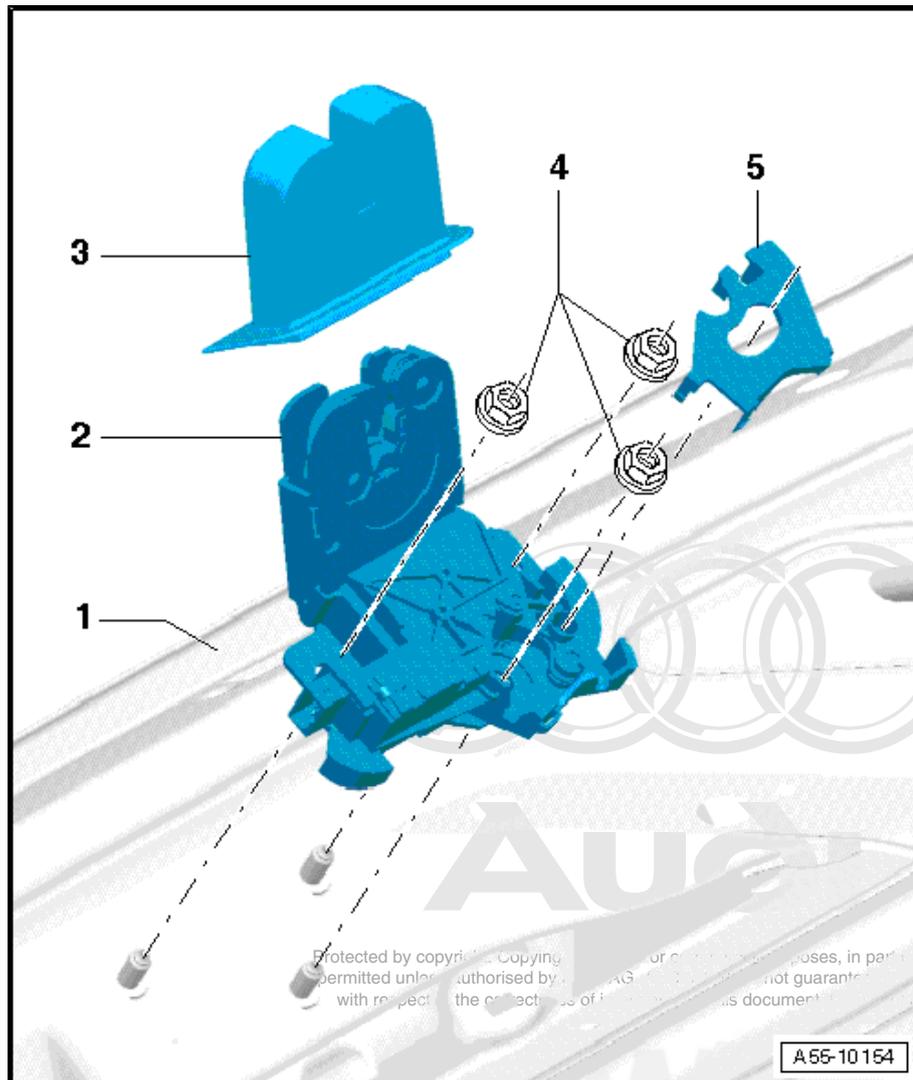
3 - Cover for lid lock

- When installing, cover must engage audibly in lid lock.

4 - Nut

- 21 Nm

5 - Anti-theft cover



Lid Lock Emergency Release

1 - Cable

- Before removal, unclip anti-theft cover
- Cable secured with clips -arrows-

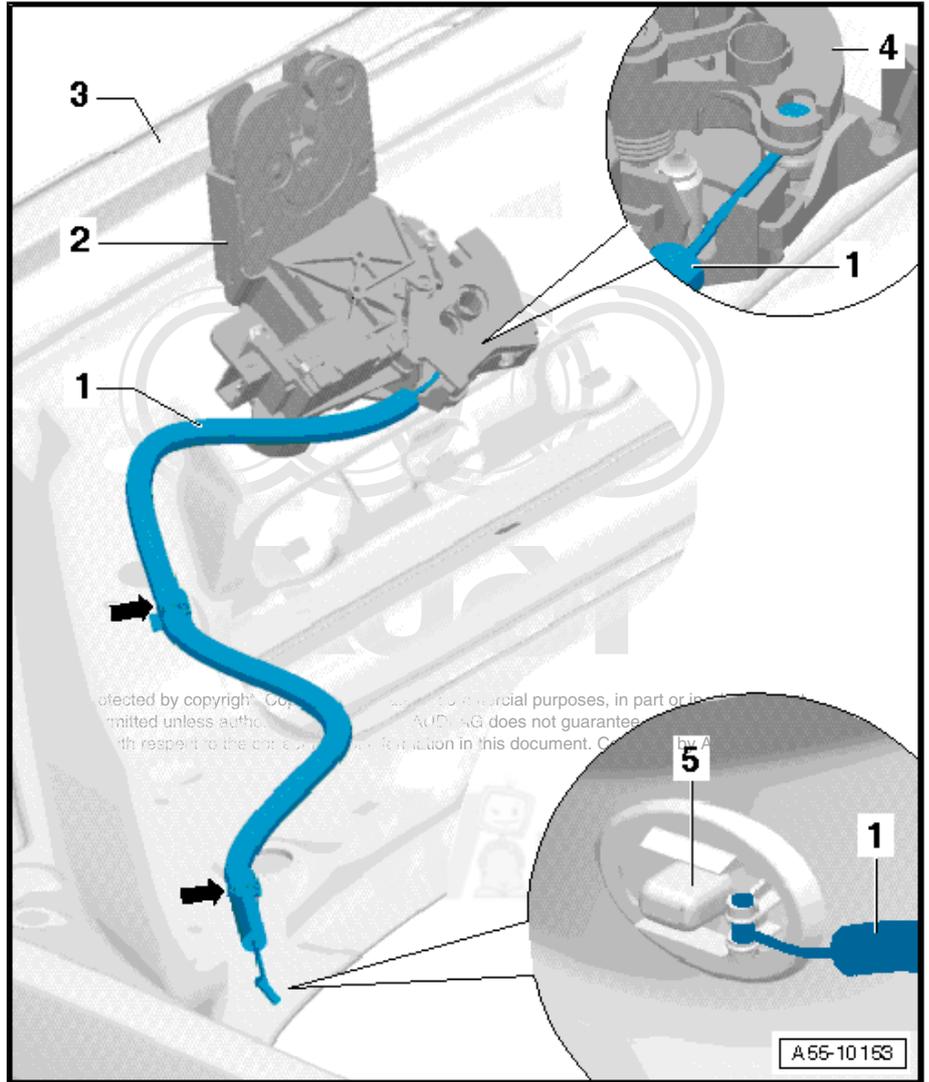
2 - Rear lid latch

3 - Hood

4 - Emergency release operating lever

- Clipped into rear lid trim.

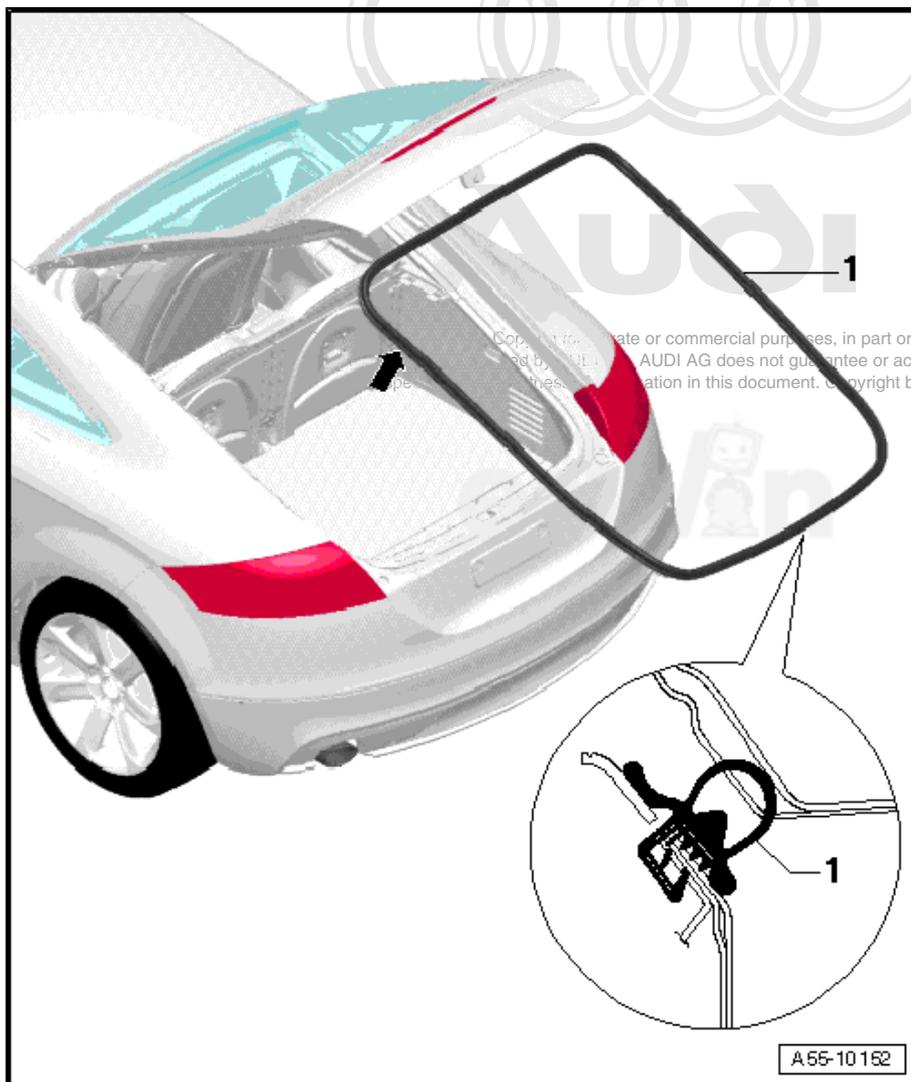
5 - Lid trim cover cap



2.3.7 Rear Lid Seal

1 - Lid seal

- ❑ To remove, remove seal from body flange.
- ❑ When assembling, align seal with butt joint -arrow- on left ball stud and press on all around body flange.



2.4 Rear Lid Roadster

- ⇒ ["2.4.1 Rear Lid", page 59](#)
- ⇒ ["2.4.2 Stop Buffer", page 60](#)
- ⇒ ["2.4.3 Rear Lid Hinge", page 61](#)
- ⇒ ["2.4.4 Gas-filled Strut", page 61](#)
- ⇒ ["2.4.5 Rear Lid Latch", page 64](#)
- ⇒ ["2.4.6 Rear Lid Lock Emergency Release Cable", page 65](#)
- ⇒ ["2.4.7 Rear Lid Seal", page 67](#)

2.4.1 Rear Lid

1 - Rear lid

- A second person is needed during removal and installation to support and hold the rear lid.

❑ Removing

- Remove the rear lid trim panel. Refer to ⇒ [Body Interior; Rep. Gr. 70](#) ; Removal and Installation .
- Disconnect the electrical wires and remove from the lid.
- Remove left and right gas-filled struts. Refer to ⇒ ["2.4.4 Gas-filled Strut", page 61](#) .
- Remove the bolts at the connection for the rear lid hinge/rear lid, refer to ⇒ ["2.4.3 Rear Lid Hinge", page 61](#) .

- Remove the rear lid.

❑ Installation: in reverse order.

❑ Adjusting:

- The gas damper must be attached before installing a new rear lid.

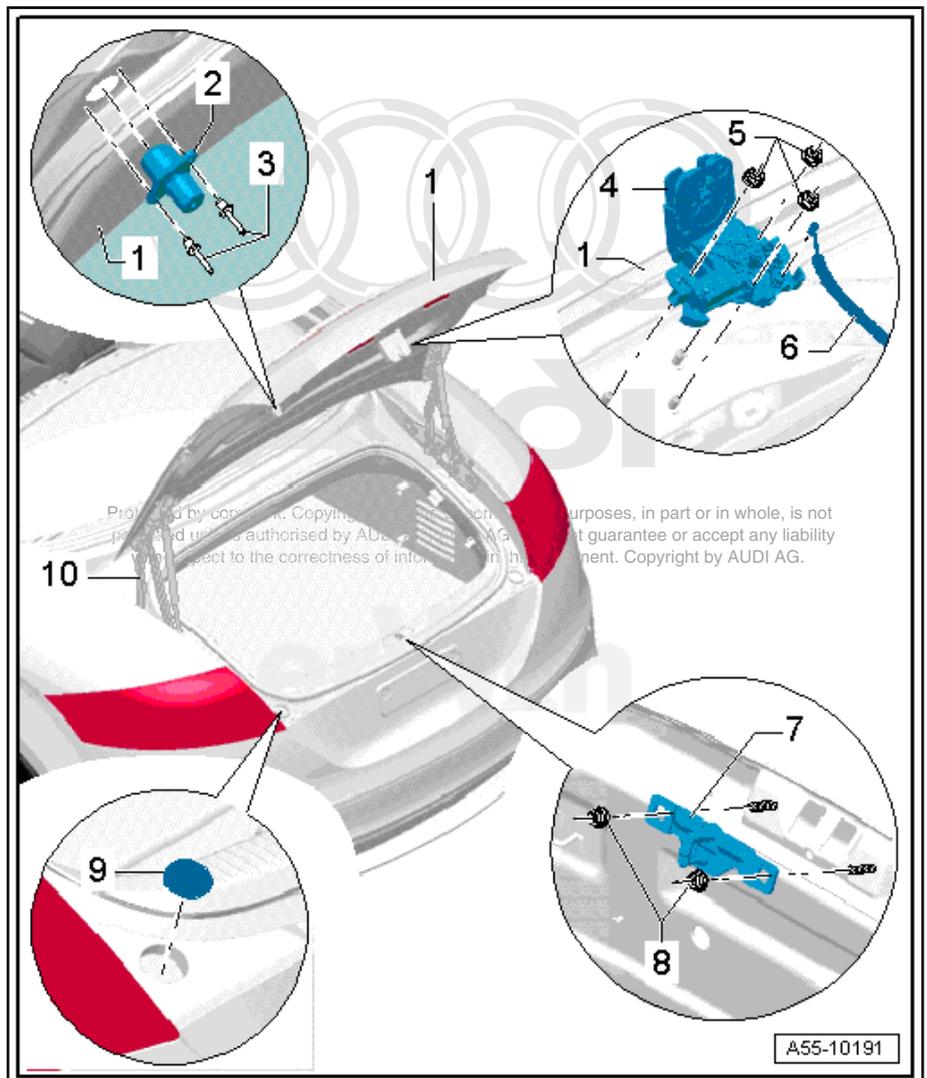
- Perform height and length adjustments for the upper rear lid above the rear lid hinge.

- Perform lower height adjustment over lid lock.

- Align the lid so it is centered according to the gap dimensions ⇒ [page 20](#) .

- Adjust stop buffers ⇒ [Item 2 \(page 59\)](#) .

- ❑ Rear Lid Seal, Removing and Installing, refer to ⇒ ["2.4.7 Rear Lid Seal", page 67](#) .



2 - Rubber stop

- If lid is adjusted correctly, stop buffers must lightly contact body when lid is closed.
- Adjusting ⇒ [page 60](#) .

3 - Pop rivet

- To remove, drill out rivet head and drive out rivet shaft.

4 - Rear lid lock

- To remove, remove combi-bolts and disengage cable.

5 - Nuts

- 21 Nm

6 - Cable for emergency release

7 - Striker

- Adjusting:
 - Tighten combi-bolts ⇒ [Item 5 \(page 60\)](#) by hand (it must still be possible to slide striker).
 - Carefully close the rear lid so that it is flush with the side panels.
 - Carefully open lid and tighten bolts ⇒ [Item 5 \(page 60\)](#) .

8 - Nuts

- 21 Nm

9 - Protective film

- Self-adhesive.
- Remove protective paper before applying.

10 - Hood hinge

- Removing and installing, refer to ⇒ ["2.4.3 Rear Lid Hinge", page 61](#)

2.4.2 Stop Buffer

Removing

- Close the rear lid.



Note

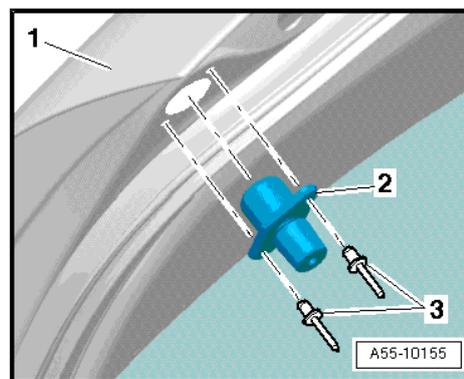
If lid is adjusted correctly, stop buffers must lightly contact body when lid is closed.

- The replacement buffers are pre-adjusted and are moved out or in only when needed.
- Check gap dimensions ⇒ [page 20](#) .



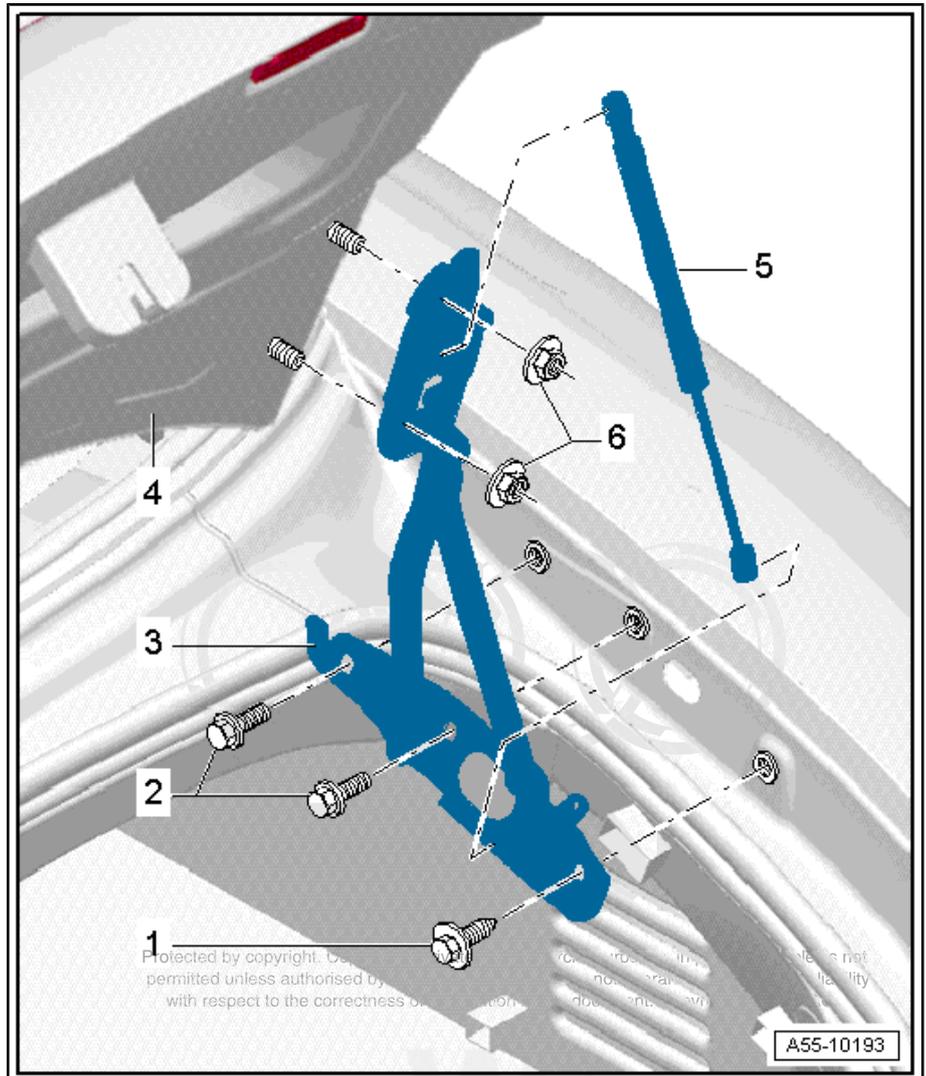
Note

To remove stop buffer, drill out rivet head -1-, drive out rivet shaft and remove buffer.



2.4.3 Rear Lid Hinge

- 1 - Bolt
 - 21 Nm
- 2 - Bolt
 - 21 Nm
- 3 - Rear lid hinge
 - Only remove nuts -6- to remove the lid.
 - To remove, remove the cover and screws -1- and -2-.
- 4 - Hood
- 5 - Gas strut
 - Note different versions.
- 6 - Nut
 - 21 Nm



2.4.4 Gas-filled Strut

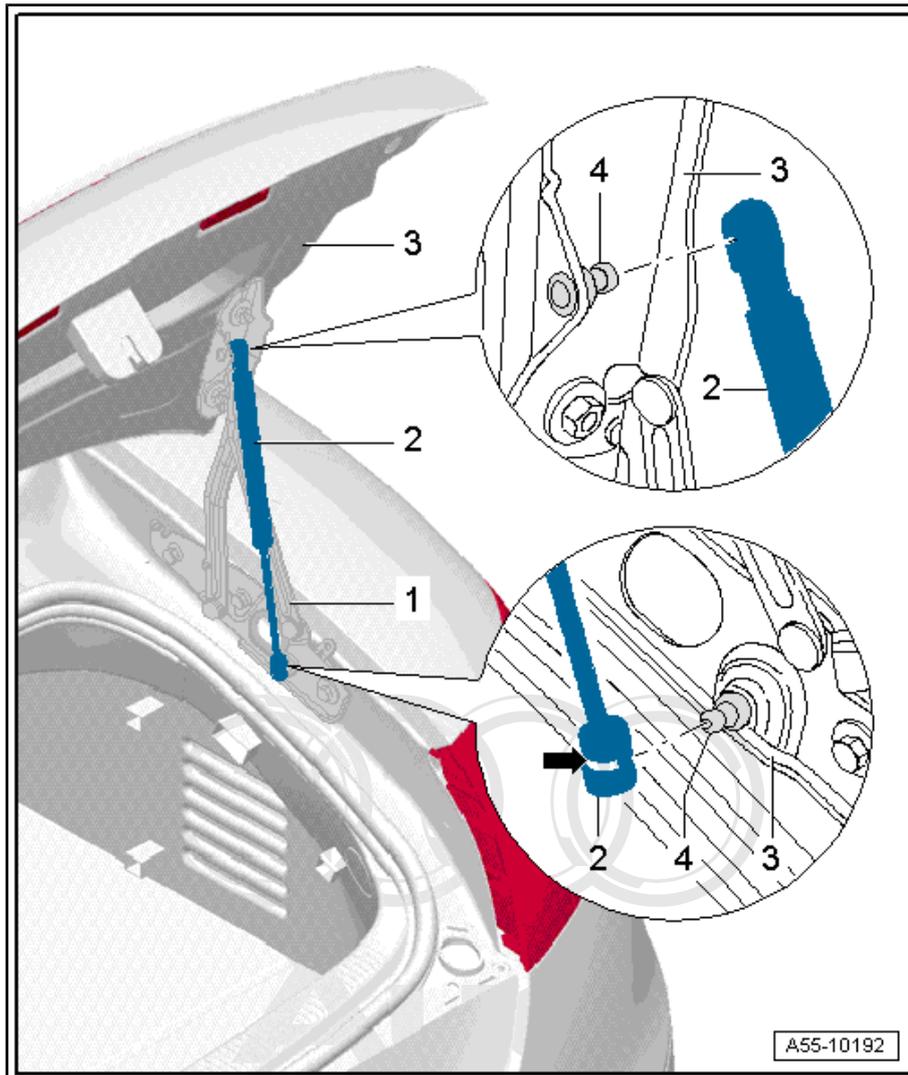


WARNING

There is a risk of an accident.

- ◆ *Support the lid or secure it against falling down before removing a gas-filled strut.*

- 1 - Rear lid
- 2 - Gas strut
 - Note location
 - Note different versions
- 3 - Ball stud
 - 21 Nm
- 4 - Retaining clip
 - Note different versions.



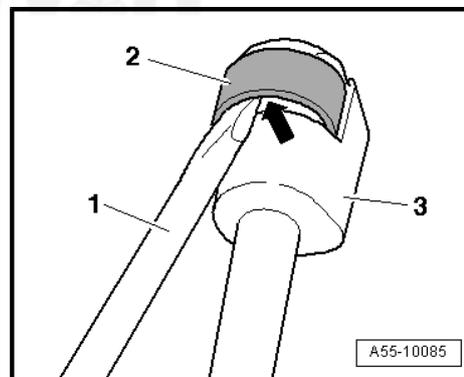
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 **Note**

Different gas-filled struts are installed and their removal varies.

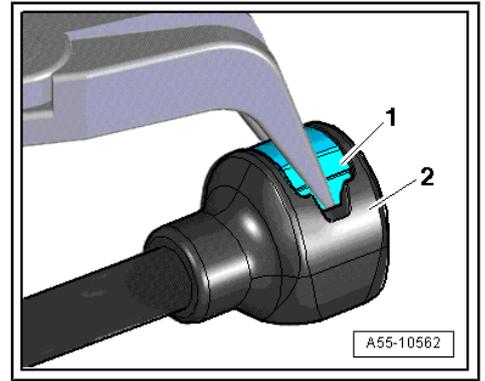
Removing the gas-filled strut with the steel spring

- Detach the gas-filled strut for the rear lid by lifting retaining spring -2- using a small screwdriver -1- -arrow-. Now remove gas-filled strut -3- from the ball stud.



Removing the gas-filled strut with the plastic clip

- Use commercially available needle-nose pliers to press plastic clip -1- together as shown and remove gas-filled strut -2- from the ball pin.



Installation

Note

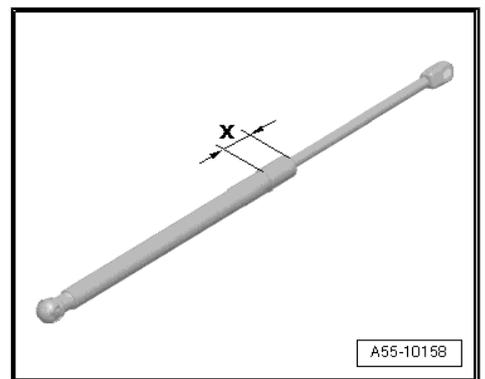
- ◆ *After completely removing gas-filled strut, ensure correct position when installing.*
- ◆ *gas-filled strut tube must be engaged on hood side.*
- Press gas-filled strut onto ball stud, first at bottom and then at top.

Gas-Filled Strut, Releasing Gas

- Clamp gas-filled strut in a vise in area -x- = 50 mm (2 in.).

 **WARNING**

- ◆ *Clamp only within this area, otherwise accident could occur!*
- ◆ *Wear protective eyewear when sawing.*



Note

Cover area of sawn portion with a rag to absorb oil spraying out.

- Cut through the gas-filled strut cylinder within the first third of the overall cylinder length using the piston rod end of the cylinder as a reference point.



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2.4.5 Rear Lid Latch

1 - Rear lid

2 - Rear lid latch

- The rear lid trim panel is removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Before removal, remove lid lock cover.
- Emergency release cable, disengaging
- Remove nuts and remove lid lock.

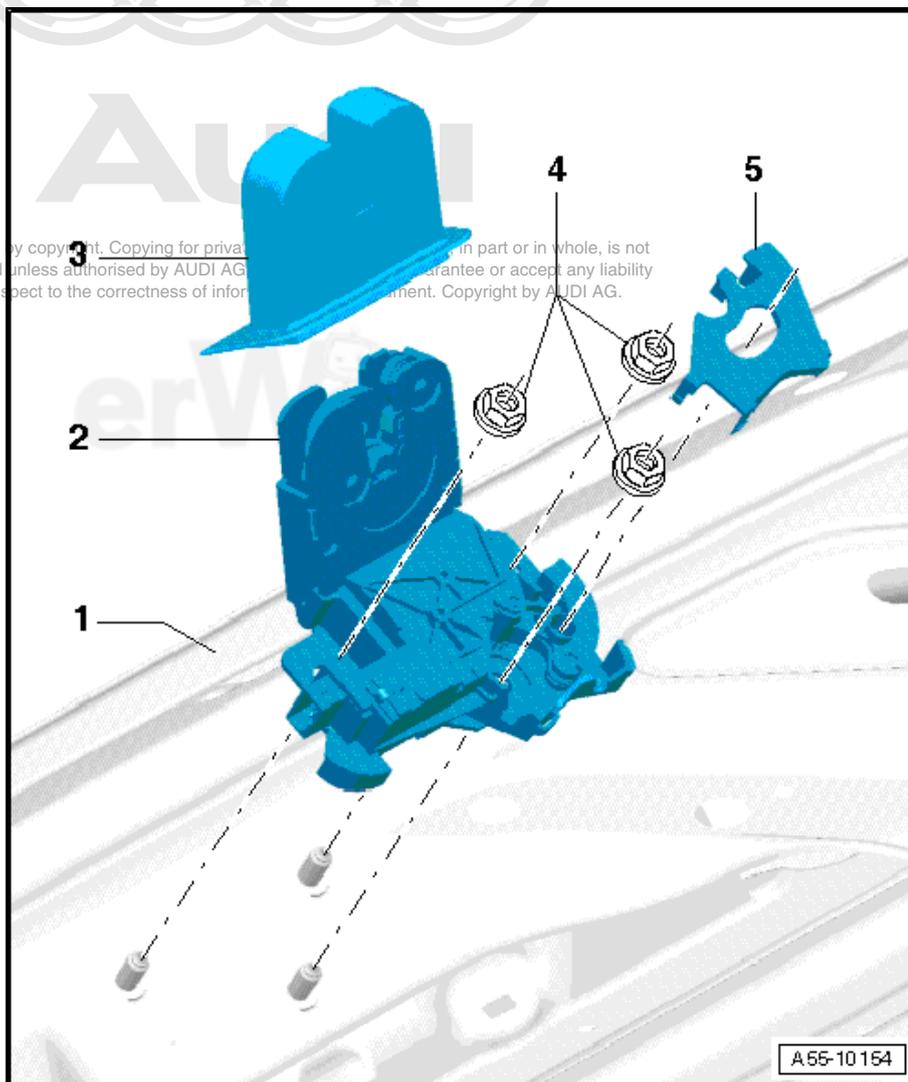
3 - Cover for lid lock

- When installing, cover must engage audibly in lid lock.

4 - Nut

- 21 Nm

5 - Anti-theft cover



2.4.6 Rear Lid Lock Emergency Release Cable

1 - Emergency release handle

2 - Grommet

3 - Release cable

- To installing, engage part on lid side with clutch -8- in lid lock ⇒ [page 21](#) .
- Clip coupling into inner part of lid ⇒ [page 22](#) .
- With lid opened, insert handle side of release cable through hinge into luggage compartment and engage grommet -6- on hinge ⇒ [page 23](#) .
- Clip cover -5- onto hinge.
- Grip release cable in luggage compartment and guide through hole in rear of roof frame -10- and down.
- Engage release cable in end plate -11- in center of convertible top cover ⇒ [page 24](#) .
- Engage release cable in handle.

4 - Lid grommet

5 - Cover

- Slid onto lid hinge

6 - Hinge grommet

- Clipped into lid hinge

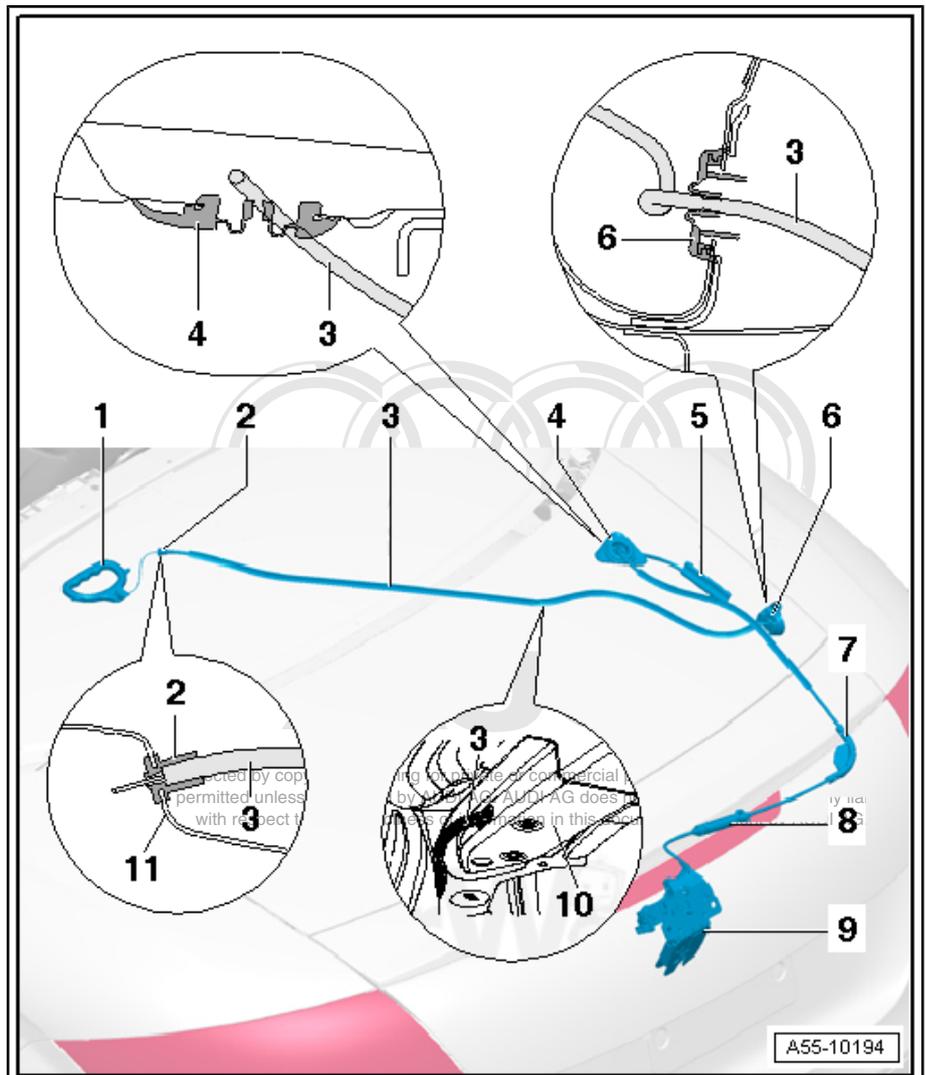
7 - Routing piece

8 - Coupling

9 - Rear lid latch

10 - Rear roof frame

11 - Convertible top compartment end plate



Country-Specific Emergency Release

1 - Release cable bracket

- Riveted to lid

2 - Release cable

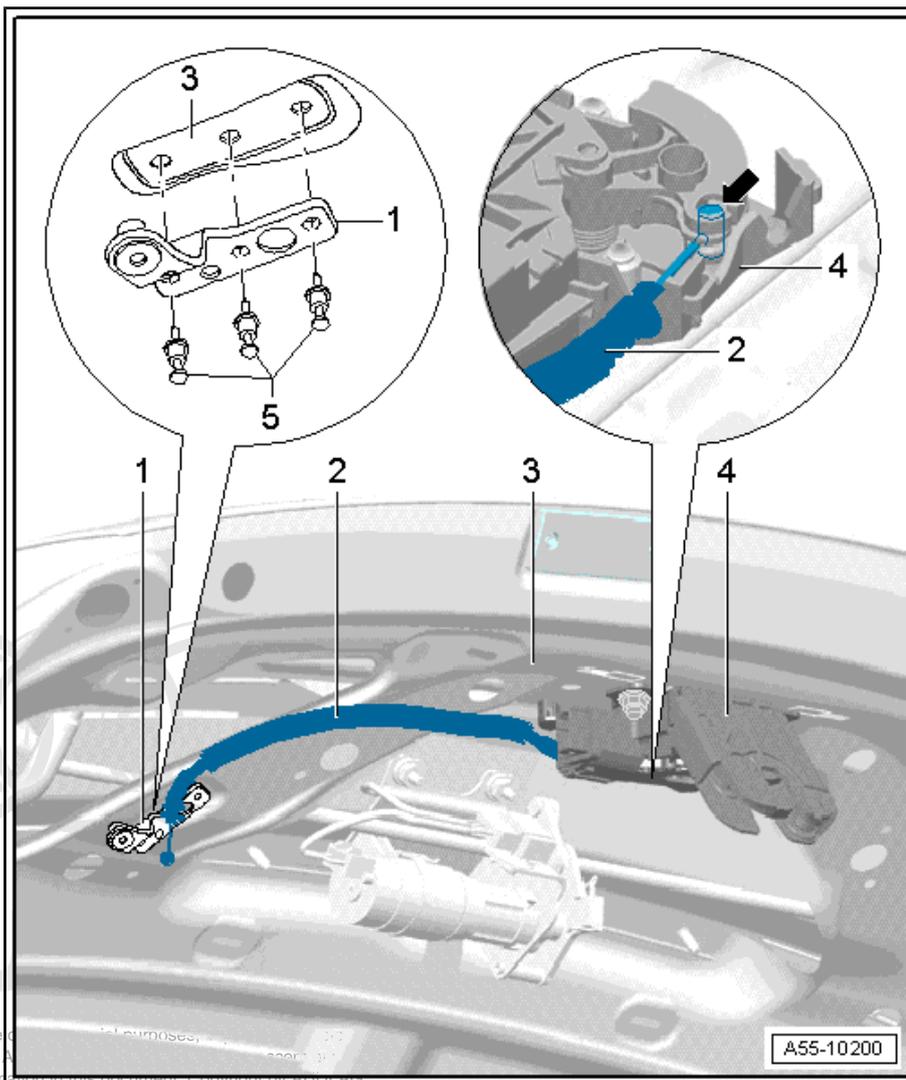
3 - Hood

4 - Rear lid latch

- Release cable -arrow-engaged in the lid lock as shown in the magnified area of the illustration.
- Engage release cable in operating lever. Refer to => Body Interior; Rep. Gr. 70 ; Removal and Installation

5 - Rivet

- Quantity: 3



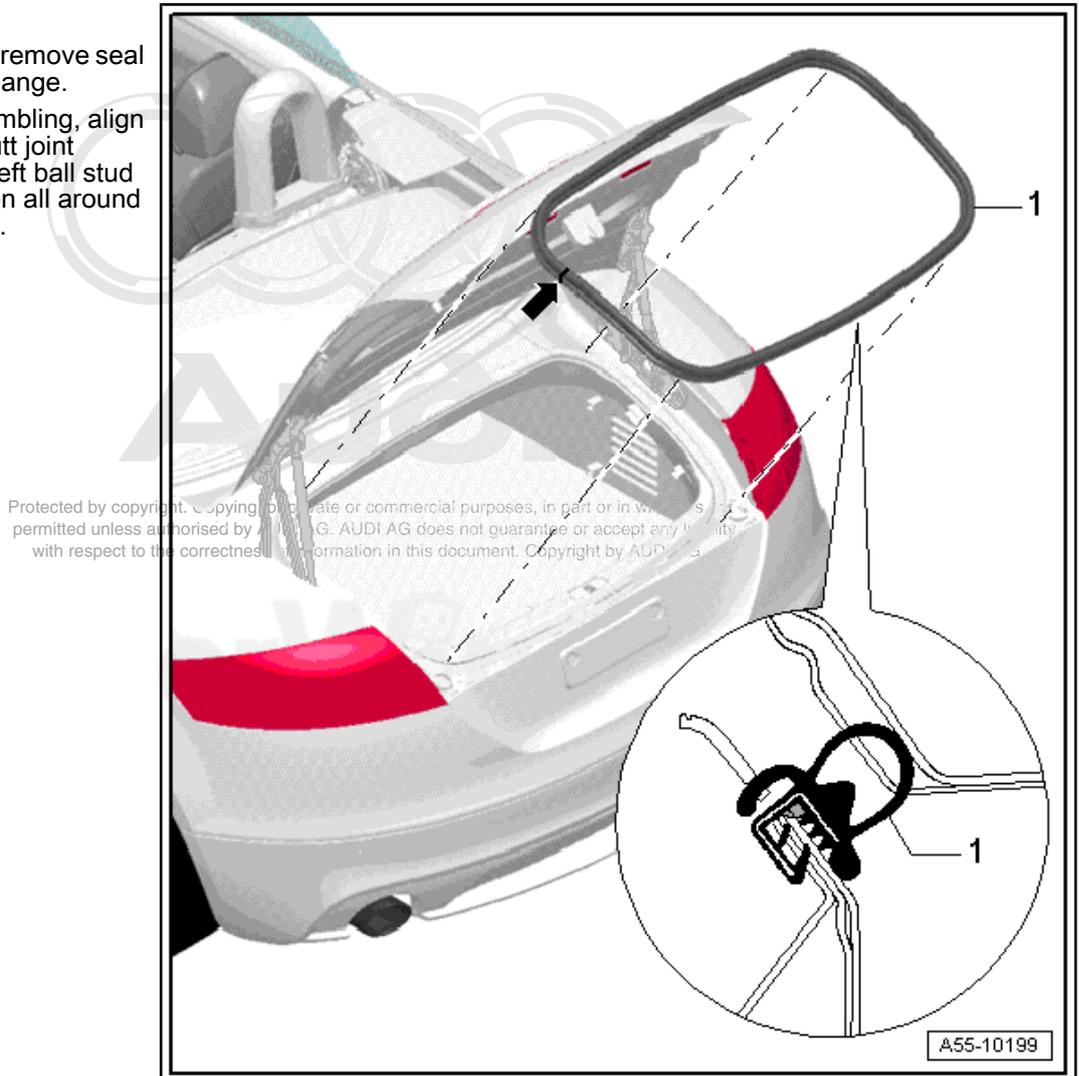
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2.4.7 Rear Lid Seal

1 - Lid seal

- ❑ To remove, remove seal from body flange.
- ❑ When assembling, align seal with butt joint -arrow- on left ball stud and press on all around body flange.



2.5 Fuel Filler Door

⇒ ["2.5.1 Fuel Filler Door", page 67](#)

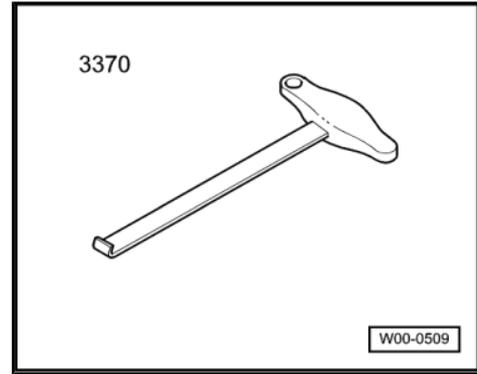
⇒ ["2.5.2 Fuel Filler Door Drain Hose", page 70](#)

⇒ ["2.5.3 Fuel Filler Door, Installation Position", page 71](#)

2.5.1 Fuel Filler Door

Special tools and workshop equipment required

◆ Special hook -3370-



1 - Fuel filler door cable

2 - Screws

- 4 Nm

3 - Catches

- Catches must close flush with lower part of fuel filler door.

4 - Fuel filler door

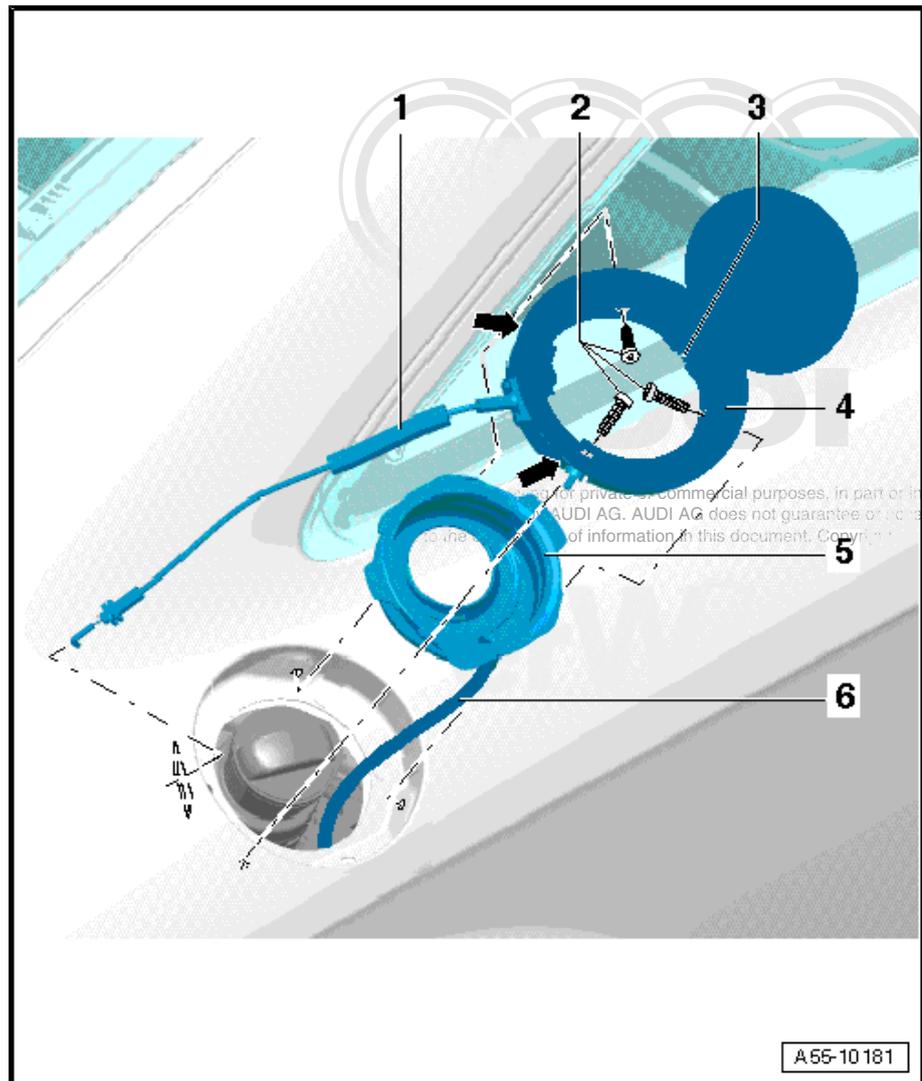
- When removing, remove cable -1- on the fuel filler door.

- Proceed as follows when installing a new fuel filler door:

- Guide cable through opening in fuel filler door cup.
- Insert fuel filler door diagonally until catches on protruding flange engage in side panel.
- Press fuel filler door down against fuel filler door cup tension until sliding catches visibly engage.
- Secure fuel filler door with bolts (quantity: 3).

5 - Fuel filler door cup

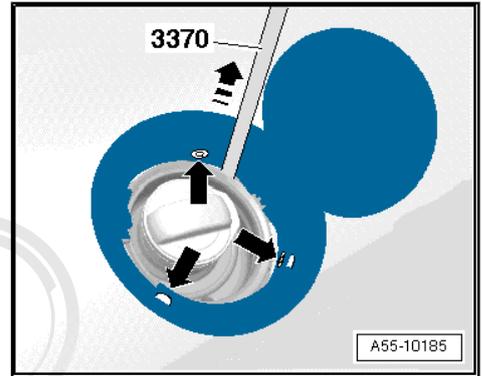
6 - Drain hose



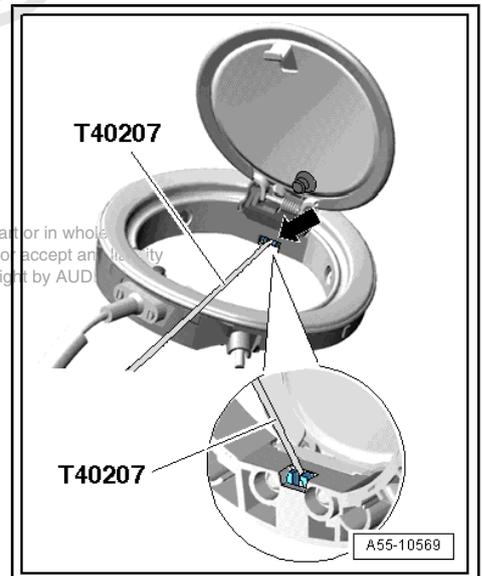
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Removing

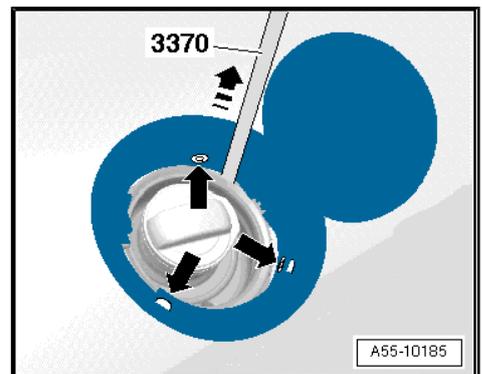
- Remove 3 bolts -arrows-.



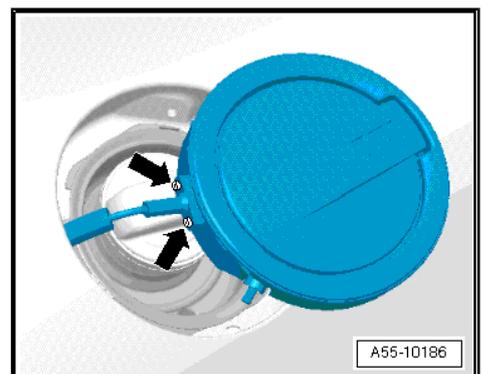
- Unlock the locking mechanism -arrow- with the hook -T40207- or a hook made as an assisting tool of welding wire, for example.



- Pull fuel filler door vertically out of body opening using Special Hook -3370- .



- Remove bolts -arrows- on cable.

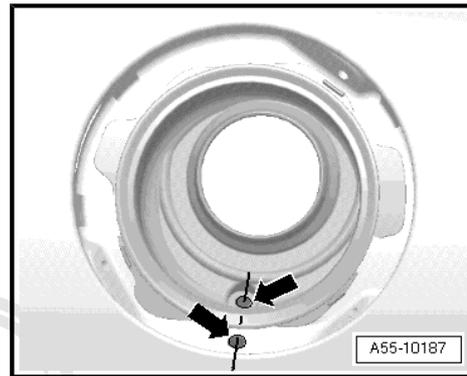


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Installation

Installation is reverse of removal, noting the following:

- For overflow hose to be routed without kinking, fuel filler door cup must be installed as follows:
- The edge of the drain hole in the flap cup must align with the edge of the hole in the body -arrows- as shown in the illustration.



2.5.2 Fuel Filler Door Drain Hose

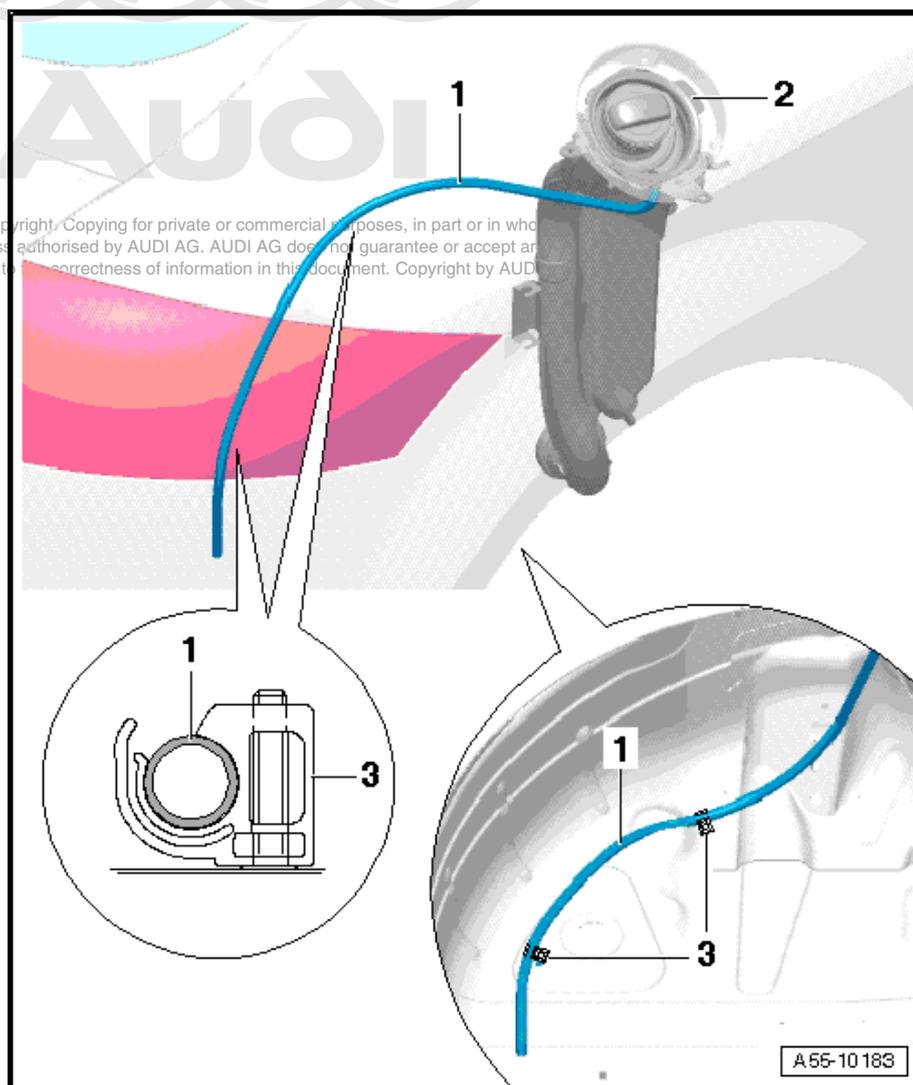
1 - Drain hose

- Press in drain hose under wheel housing line into clips -3- as shown and position on body pins.

2 - Fuel filler door

3 - Clips

- Attached to body pins as shown.



2.5.3 Fuel Filler Door, Installation Position

1 - Fuel Filler Door Cover

- Adjust distance -A- evenly to side panel.

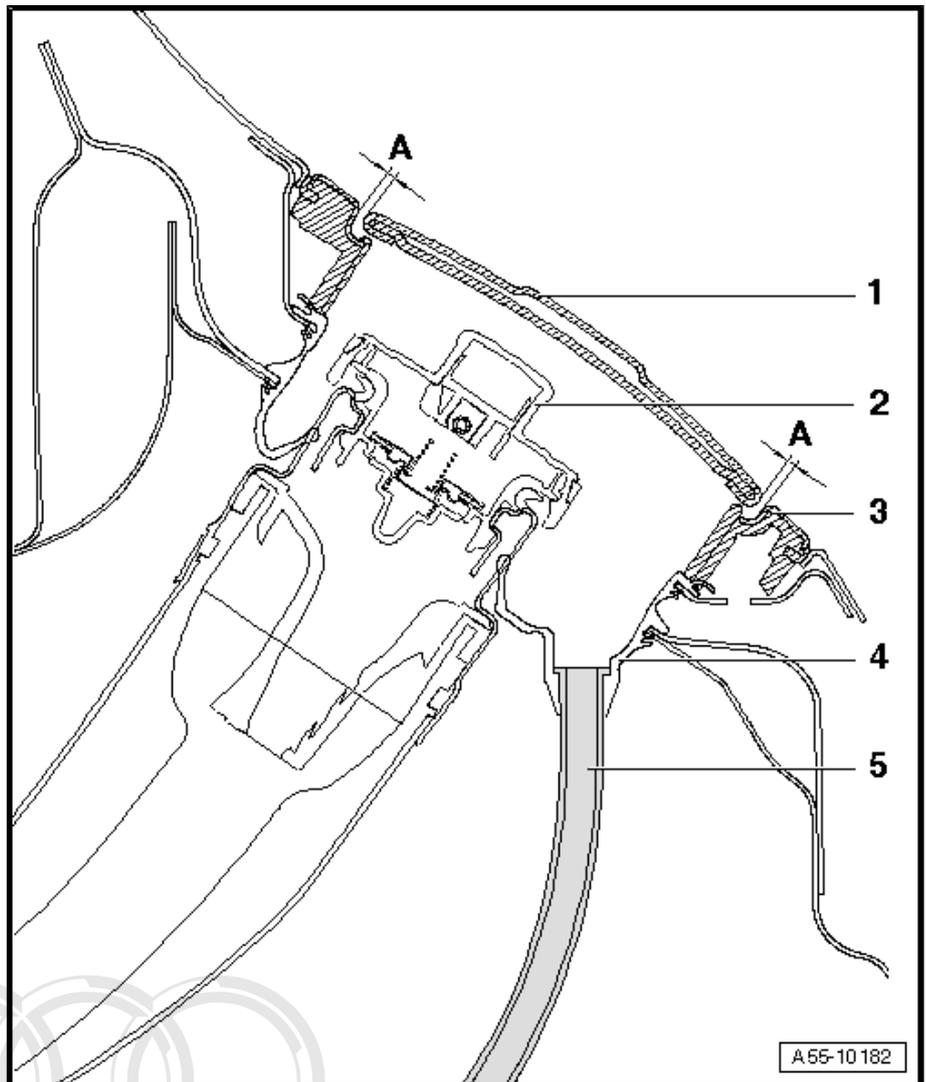
2 - Tank cap

3 - Fuel filler door

4 - Fuel filler door cup

- Slide all around onto body flange as shown.

5 - Drain hose



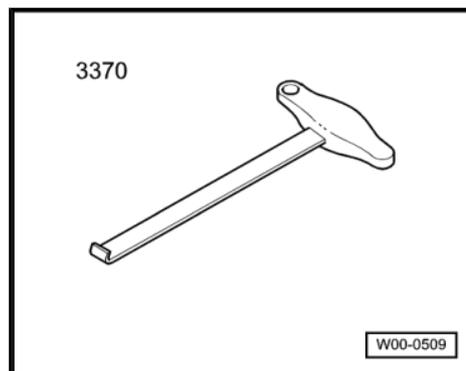
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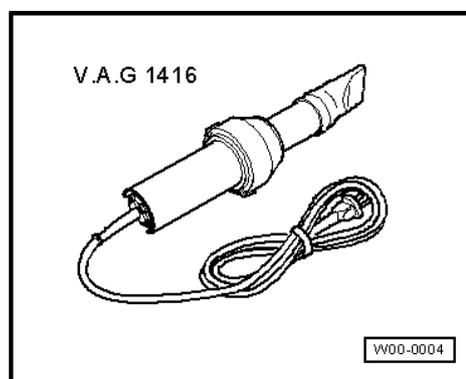
3 Special Tools

Special tools and workshop equipment required

- ◆ Special hook -3370-

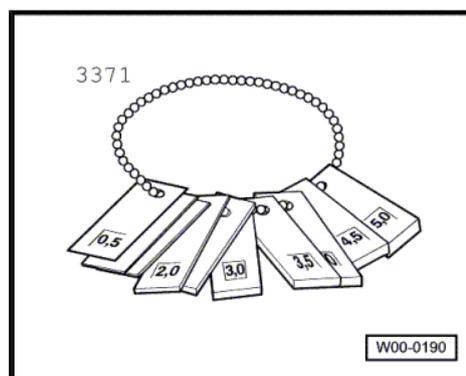


- ◆ Hot air gun -V.A.G 1416-



- ◆ Cleaning solution -D 009 401 04-

- ◆ Adjusting gauge -3371-



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57 – Front Doors, Central Locking System

1 Description and Operation

⇒ [“1.1 Front Door”, page 73](#)

⇒ [“1.2 Central Locking”, page 79](#)

1.1 Front Door

⇒ [“1.1.1 Door, Adjusting”, page 73](#)

⇒ [“1.1.2 Door Handle Assembly Overview”, page 76](#)

⇒ [“1.1.3 Door Lock Assembly Overview”, page 78](#)

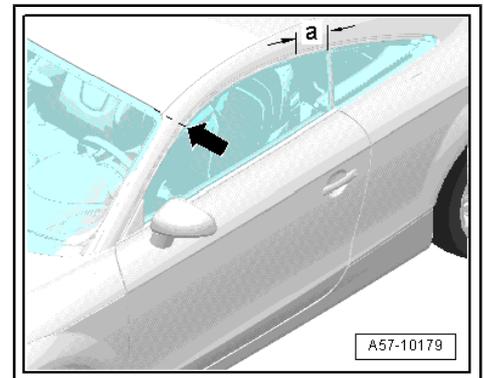
1.1.1 Door, Adjusting

Special tools and workshop equipment required

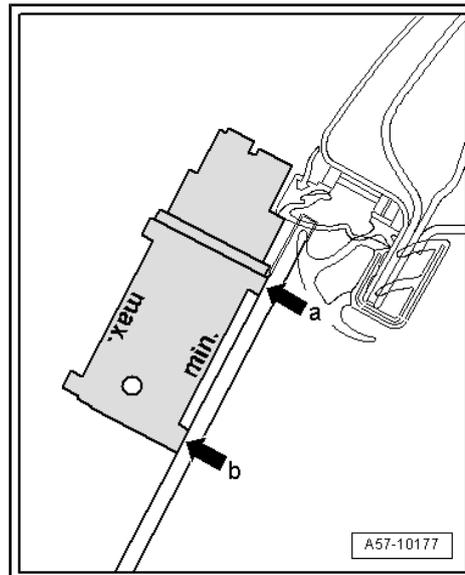
- ◆ Adjusting gauge -3371-
- ◆ Template -T40038/7-

Adjusting with Template -T40038/7-

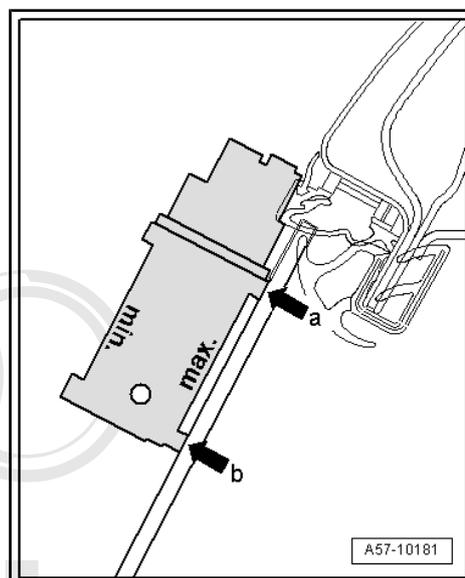
- The position of the door in relation to the sides, the height and the rear window can be checked using the template.
- The distance to the side window can be checked using the **grading for dimension -a-**
- The recess of the door to the fender or the side panel to the door can be checked with gradings for dimensions -b- and -c-.
- The template must be positioned at a distance of -a- = 100 mm from the rear edge of the door window or at the front as an extension from the windshield upper edge -arrow- to the roof trim molding.



- In the illustration show (min marking on window side), window is adjusted correctly when both contact surfaces -a- and -b- contact the door window and the contact surface on the roof trim molding shows a small gap.
- If the upper contact surface -a- does not make contact with the door window, the window is adjusted to far inward.

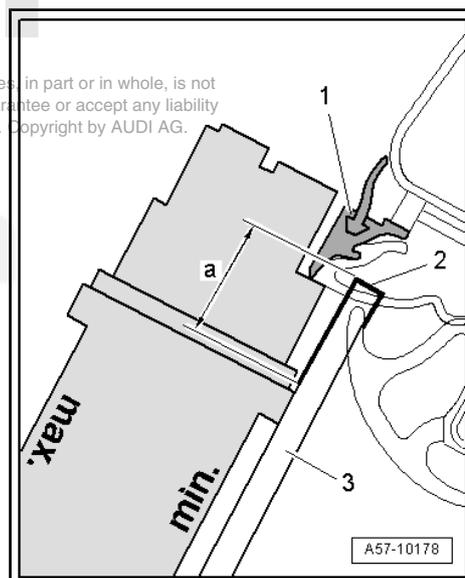


- In the illustration shown (max marking on window side), the window is adjusted correctly when the contact surfaces makes contact with the roof trim molding and the upper contact surface -a- of the template shows a small gap.
- If the contact surface of the template does not make contact with the roof trim molding, the door window is too far out.



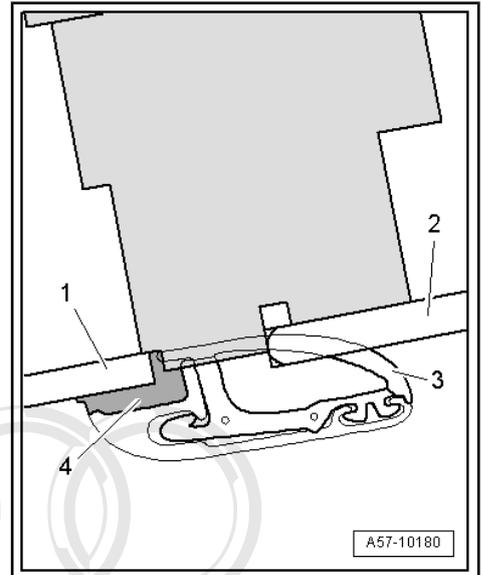
Height adjustment

- Apply a marking to an adhesive strip -2- at a distance of -a- = 17 mm, measured from the upper edge of the door window
- Position template as shown and slide upward as far as the stop on the roof trim strip -1-.
- When adjusted correctly, the marking must be located in the area of the small grading as shown.



Adjustment to side window

- Slide template as show between guide rail -4- on side window -1- and door window -2- into door seal -3-.
- The door window must be in the area of the small groove.

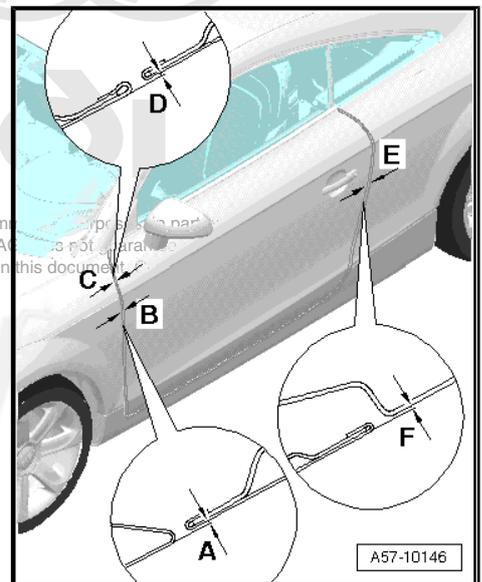


Gap dimensions

The gap dimensions can be checked with the Adjustment Gauge -3371- .

- Dimension -A- = 3.5 mm +/- 0.5 mm
- Dimension -B- = 3.5 mm +/- 0.5 mm
- Dimension -C- = 0 mm to -1 mm.
- Dimension -D- = 0 mm to +1 mm

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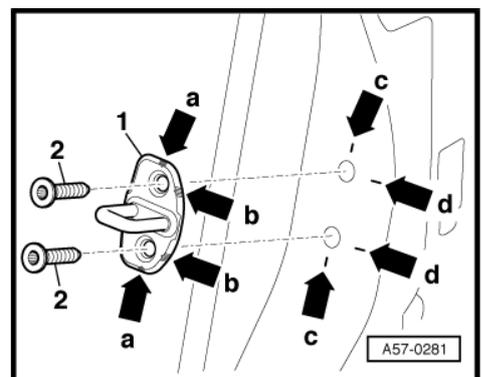


Adjustment via striker

- Loosen bolts -2-.
- Slide striker -1- until the door shell is flush with the contour of the chassis.
- Tighten screws to 20 Nm.

Note

The striker should only be adjusted toward the vehicle center and not height-wise, otherwise the lock can be damaged.



1.1.2 Door Handle Assembly Overview

1 - Door handle

- Before removing, remove lock cylinder with cover on driver's door or housing
- To remove, slide door handle back and disengage from operating lever on mounting bracket.
- Pull door handle out sideways at back end.
- Pull door handle back diagonally out of mounting bracket or door.

2 - Bracket

3 - Actuating link

- Door lock removed.
- Engage actuating link in door lock operating lever -arrow-.



Caution

The release cable must not be kinked under any circumstances when installing, otherwise malfunctions may result.

Perform a function test after installing.

- Slide actuating link sideways into door lock, then rotate 90° to lock.

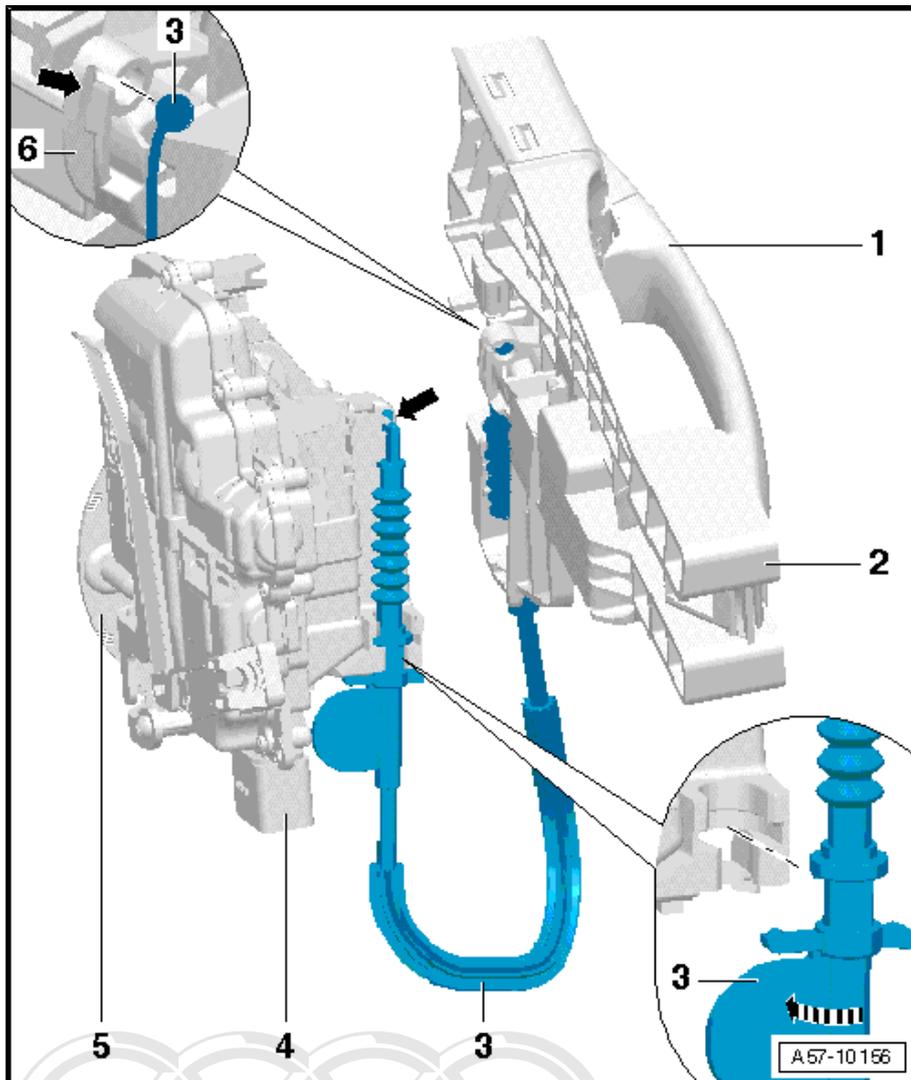
4 - Door lock

- Removing ⇒ ["1.1.3 Door Lock Assembly Overview", page 78](#)

5 - Hood catch

6 - Hood release lever

- Engage actuating link in operating lever on door handle as shown.



Slide door handle into mounting bracket

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1 - Rear backing

- Clip into door panel.

2 - Door handle

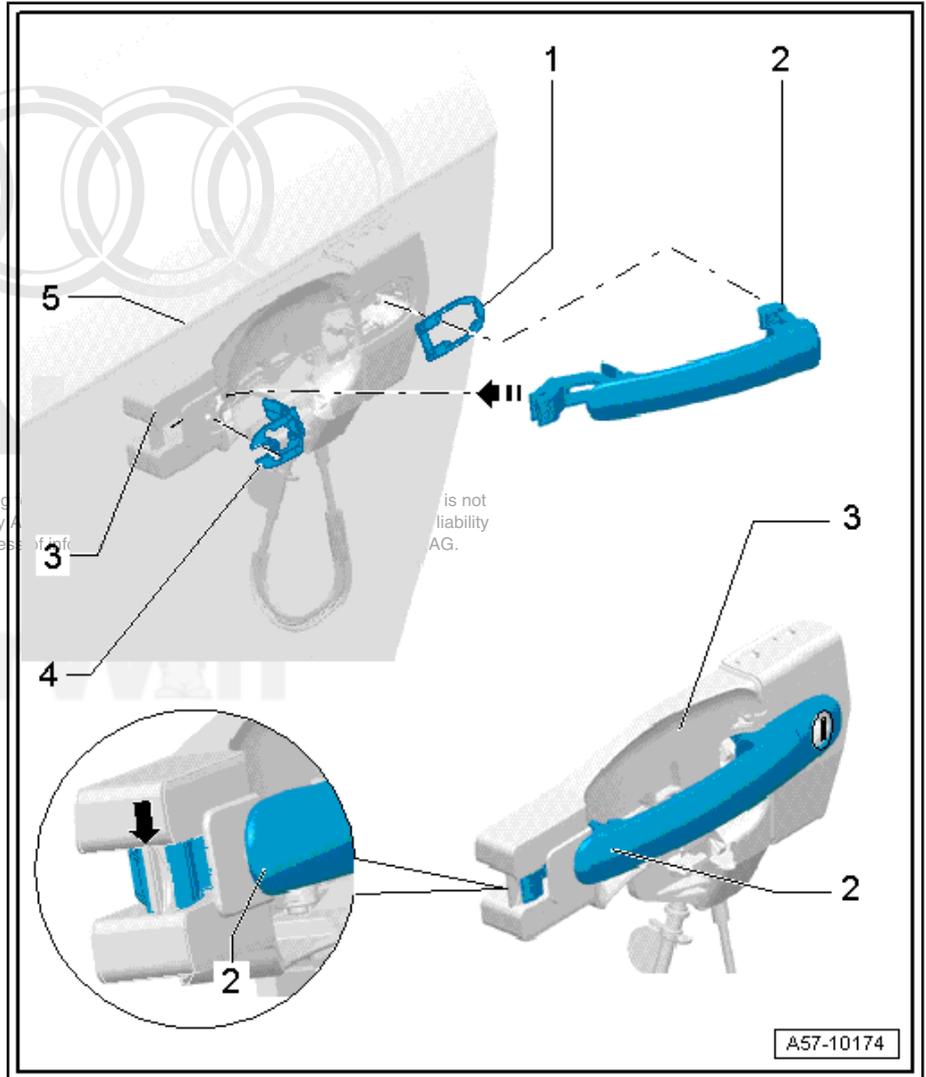
- Before installing, backing plates -2- and -5- must be installed.
- Slide door handle into front door opening until it engages in brace on mounting bracket -arrow-.
- Press door handle on rear lock cylinder into mounting bracket.
- Insert lock cylinder with cover cap.
- Completely install bolt to secure lock cylinder => [page 97](#) .

3 - Bracket

4 - Front backing

- Slide onto door handle.

5 - Door



- When installing door handle -1-, rear end must slide into mounting bracket in -direction of arrow- as shown.

1.1.3 Door Lock Assembly Overview

1 - Cover

- Pressed into door.
- When removing, unclip from lock cylinder and remove bolt below.

2 - Bolt

- 20 Nm.

3 - Door

4 - Door lock

- Removing
- Door trim removed, refer to => Body Interior; Rep. Gr. 70 ; Removal and Installation
- Rear cover on inner panel removed => [page 90](#)
- Raise window up.
- Lock cylinder removed.
- Remove bolts -2- and slide door lock down.
- Disengage internal mechanism cable -7- from door lock.

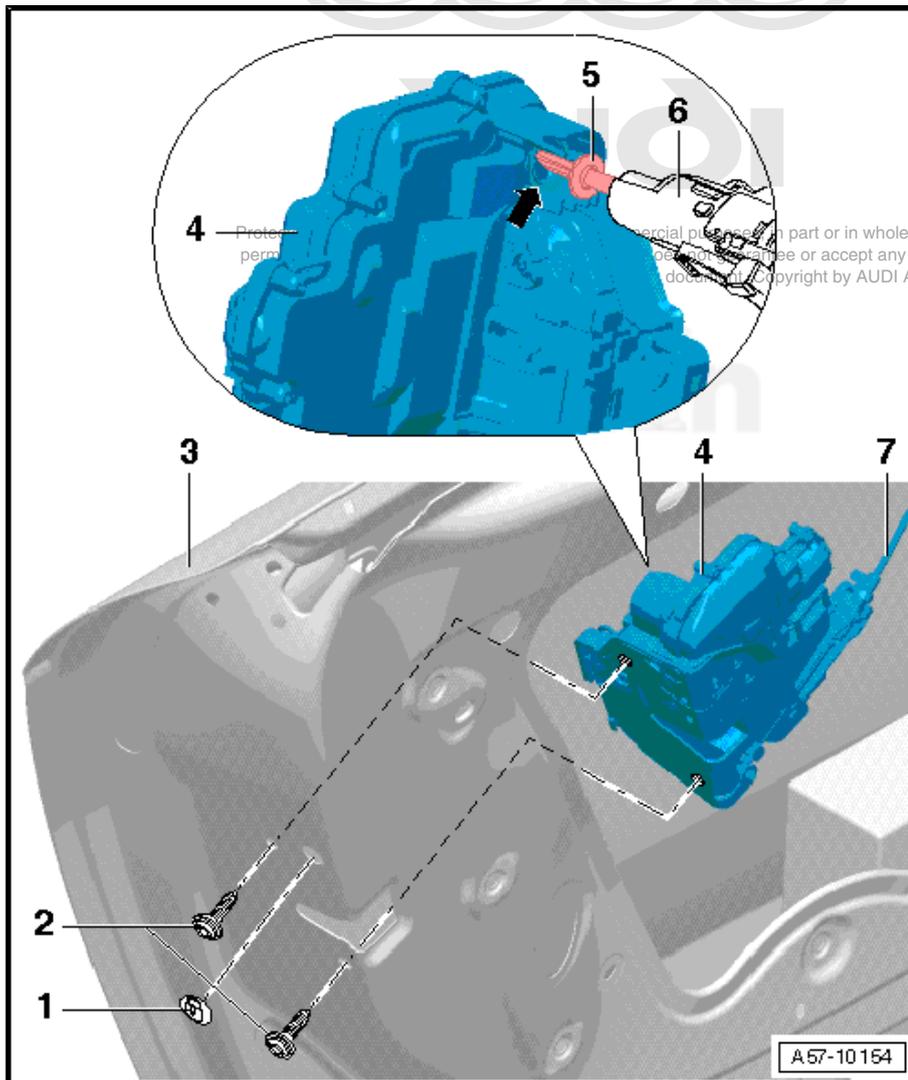
- Install in reverse sequence.

5 - Lock cylinder shaft

- So-called »paddle« must be guided into groove -arrow- in door lock during installation

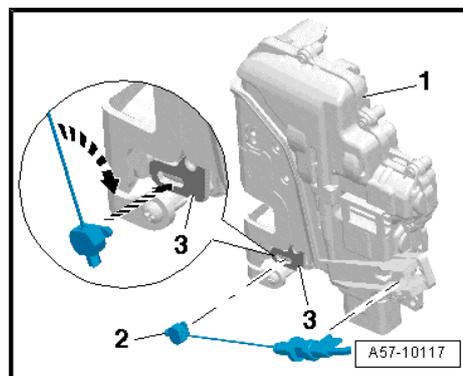
6 - Lock cylinder

7 - Inside door release mechanism cable



Internal mechanism cable, engaging in door lock

- To install, first insert release cable -2- vertically into release lever -3- as shown in the magnified area of illustration, then swivel 90° and clip into door lock -1- to secure.



1.2 Central Locking

⇒ ["1.2.1 Central Locking Component Overview", page 79](#)

1.2.1 Central Locking Component Overview

Note

- ◆ *Central locking functions electronically.*
- ◆ *Actuators in doors are integrated in the door lock and have 2 motors.*
- ◆ *Actuators cannot be replaced separately.*
- ◆ *The first motor locks the door and the second motor locks the interior door mechanism (Safe function).*
- ◆ *Now, doors also can no longer be opened from the interior.*
- ◆ *After an accident in which the airbag deploys, the central locking system control module opens any doors which were locked.*
- ◆ *The central locking control module is located inside the right rear side panel.*

1 - Front passenger door control module -J387-

2 - Anti-Theft Alarm System Sensor -G578-

- Removing and Installing, refer to ⇒ Electrical Equipment; Rep. Gr. 96 ; Removal and Installation

3 - Comfort system central control module -J393-

- Removing and Installing, refer to ⇒ Electrical Equipment; Rep. Gr. 96 ; Removal and Installation

4 - Fuel filler door unlock motor -V155-

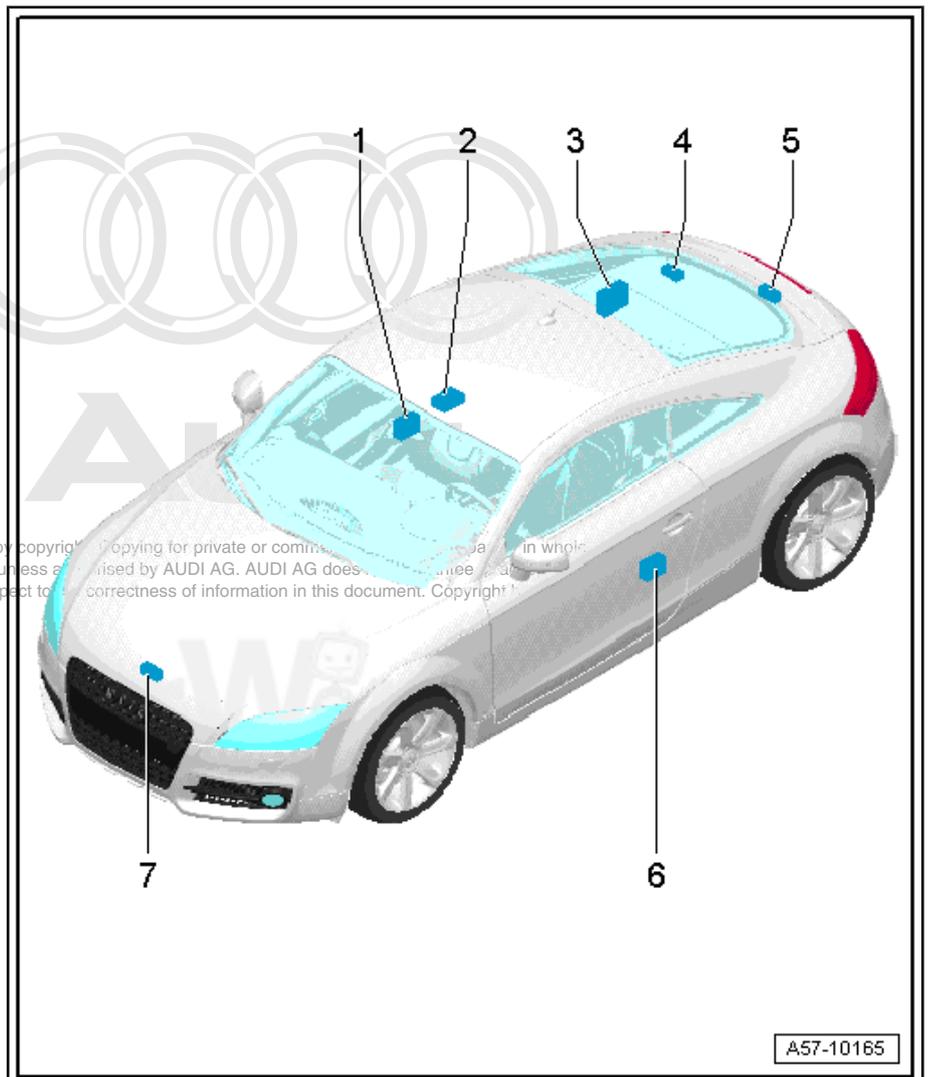
- Removing and Installing, refer to ⇒ ["2.3.2 Fuel Filler Door Unlock Motor V155", page 99](#)

5 - Motor for rear lid release -V139-

6 - Driver door control module -J386-

7 - Engine hood contact switch -F266-

- Removing and Installing, refer to ⇒ ["2.3.1 Hood Switch F266", page 98](#)





2 Removal and Installation

⇒ ["2.1 Front Door", page 80](#)

⇒ ["2.2 Door Components", page 87](#)

⇒ ["2.3 Central Locking", page 98](#)

2.1 Front Door

⇒ ["2.1.1 Door", page 80](#)

⇒ ["2.1.2 Door Seals", page 82](#)

2.1.1 Door

Special tools and workshop equipment required

- ◆ Socket wrench -T10011-
- ◆ Box spanner -3320/2-
- ◆ Socket -3410-



Note

- ◆ *For various assembly work, the entire door can be completely raise from the door hinges after electrical connectors on lower »A« pillar have been disconnected.*
- ◆ *Adjustments must not be made after installation.*



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1 - Door plate

- Pull bellows down from »A« pillar.
- Disconnect electrical connectors on bottom of »A« pillar.
- Loosen screw -4- on top of door hinge.
- Remove bottom combination screw -9- on bottom of door hinge.
- Remove cover cap from hinge bolt.



- Carefully lift door up and out of hinges.

2 - Upper door hinge, upper part

- No replacement part.
- Remains installed on door side.

3 - Upper door hinge, lower part

- No replacement part.
- Remains installed on »A« pillar.

4 - Securing nut

- 25 Nm

5 - Cover

- Attach to nut.

6 - Securing spring

- Only installed on replacement part.
- Remove after installing new hinge.

7 - Bottom door hinge, upper part

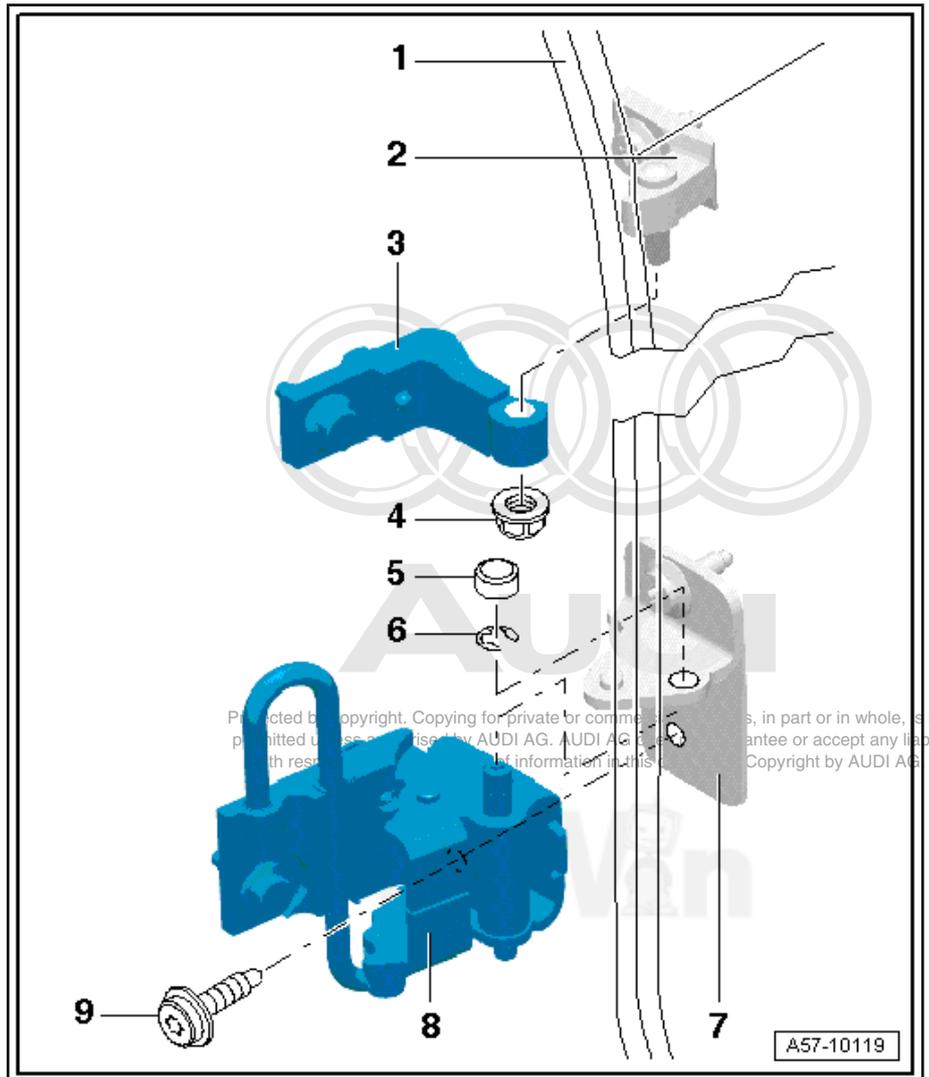
- Remove any tension between upper and lower parts on bottom of door hinges if necessary with screwdriver, for example.
- No replacement part.
- Remains installed on door side.

8 - Bottom door hinge, lower part

- No replacement part.
- Remains installed on »A« pillar.

9 - Combination screw

- 32 Nm



2.1.2 Door Seals

Special tools and workshop equipment required

- ◆ Roller -3356-
- ◆ Adhesive strip remover -VAS 6349-

Roadster Inner Door Seal ⇒ [page 83](#)



Note

- ◆ *The inner door seal is glued on and must be replaced.*
- ◆ *Adhesion surfaces must be free of dust and grease.*
- ◆ *Both the vehicle and the seal must be room temperature.*

Coupe Inner Door Seal

1 - Door seal

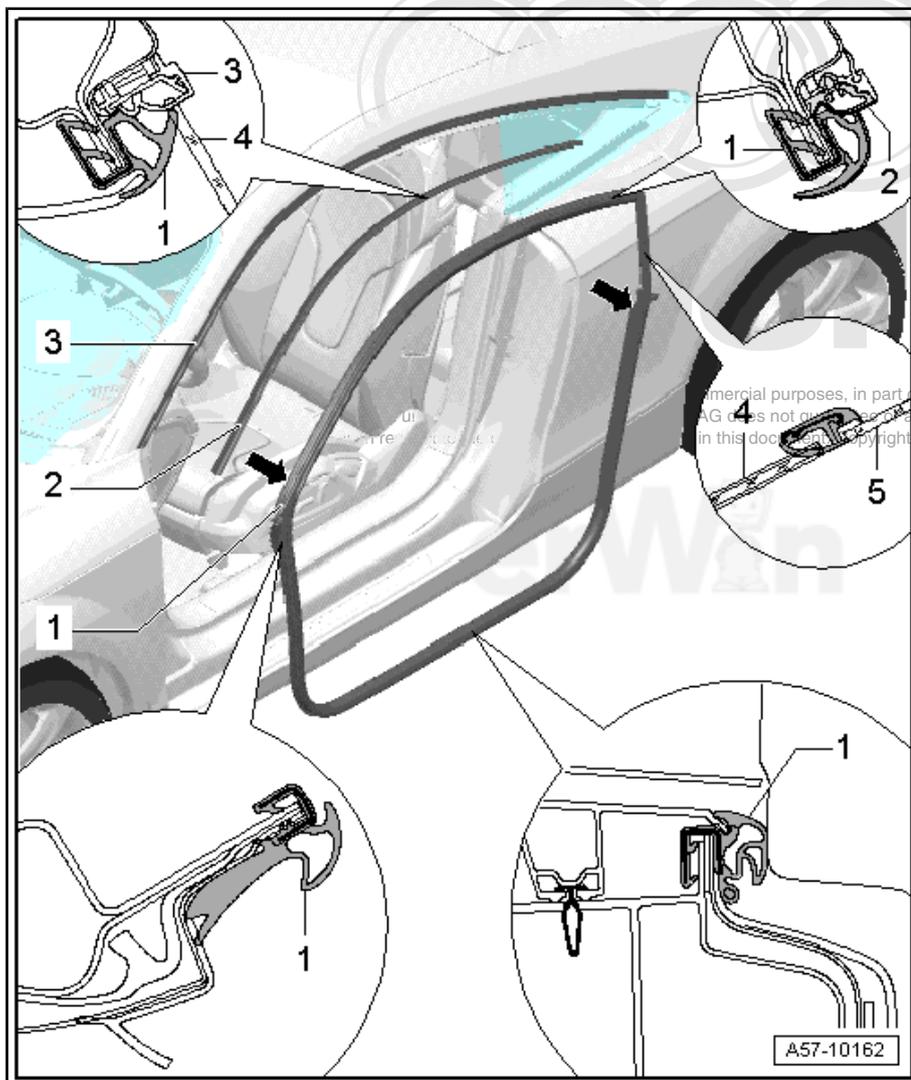
- Removing and installing with lower A-pillar trim, sill trim and B-pillar trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .

❑ Removing

- Remove door seal all around from flange or from upper seal guides and side window.

❑ Installing:

- First press door seal into seal guide at upper B-pillar -arrow-.
- Then press door seal into seal guide at upper A-pillar -arrow-.
- First press door seal into seal guide at center of door frame, then along the entire length.
- Press bottom of door seal onto side window seal guide.
- Then, beginning at center and working out, press door seal completely into seal guide in the side window area.
- Press door seal onto door flange at lower B-pillar.
- Then press door seal on between side window and lower B-pillar, beginning at center and working out.
- Press door seal onto door flange at lower A-pillar.



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- Then press door seal onto door flange between A-pillar and lower B-pillar, starting at the center and working out.
- Press door seal on completely between upper and lower A-pillar, beginning at center and working out.

2 - Roof frame seal

- Pressed onto flange in roof frame

3 - Roof trim molding

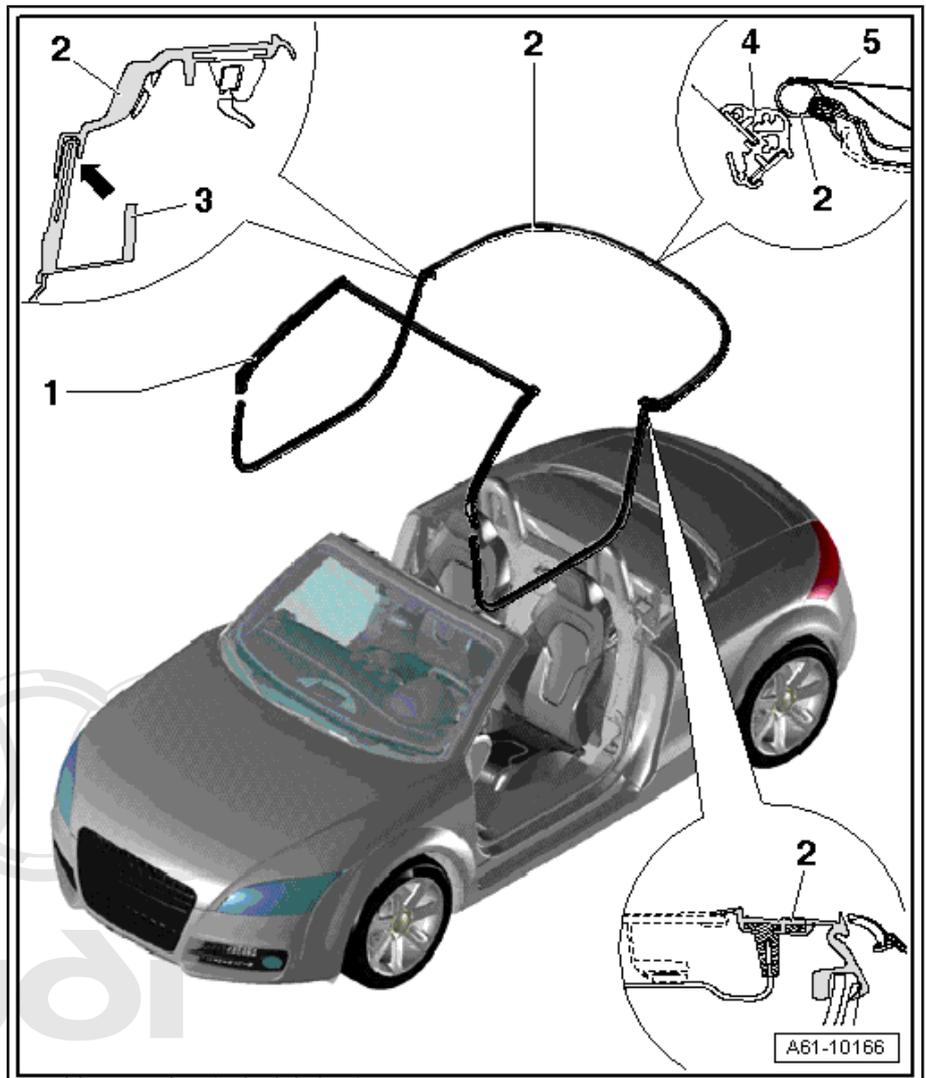
Roadster Inner Door Seal, Removing and Installing

1 - Front seal



Note

- Upper A-pillar trim and roof frame trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Unscrew the screws and remove the front seal starting at the »A-pillar«.
- Remove any adhesive residue from where the seal was secured with adhesive tape.
- Adhesion surfaces must be free of dust and grease, clean with cleaning solution D 009 401 04 -Reinigungslösung- .
- Attach the seal to the upper left and right corners of the roof flange.
- Slide the seal on the roof frame
- Attach the seal in a downward direction onto the flange of the »A-pillar«.



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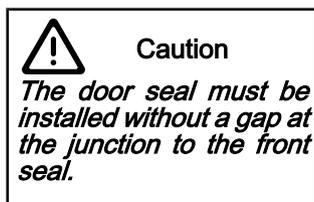
- Secure the upper seal with the left and right screws

- Gradually pull the protective film to the side via the removal tabs out from between the roof frame and the seal and press the seal onto the roof frame with a roller -3356- .

2 - Inner door seal

- Lower A-pillar trim, sill panel, and rear panel trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Remove the door seal around the body flange and under the front seal.
- Remove any adhesive residue from where the seal was secured with adhesive tape.

- Adhesion surfaces must be free of dust and grease, clean with cleaning solution D 009 401 04 -Reinigungslösung- .
- Place the door seal in the vehicle following the contour.
- Remove the protective films from the double-sided adhesive tape and press it onto the »B-pillar« on the left and right.
- Press the door seal on the »B-pillar down onto the body flange«
- Slide the door seal onto the »A-pillar« on the front seal.



- Press the door seal in the lower radii areas onto the flange while distributing any excess length in the sill area.
- Align the molded pieces of the door seal on the »upper B-pillar« with respect to the side piece and install.
- Press the door seal on both sides backward in the convertible top compartment onto the body flange.

3 - Water tray

- Attach the door seal to the water tray as shown in the magnified area of the illustration -arrow-.

Replacing Outer Door Seal



Note

◆ *The door outer seal is completely bonded and can only be replaced.*

◆ *Adhesion surfaces must be free of dust and grease.*

◆ *Both the vehicle and the seal must be room temperature.*

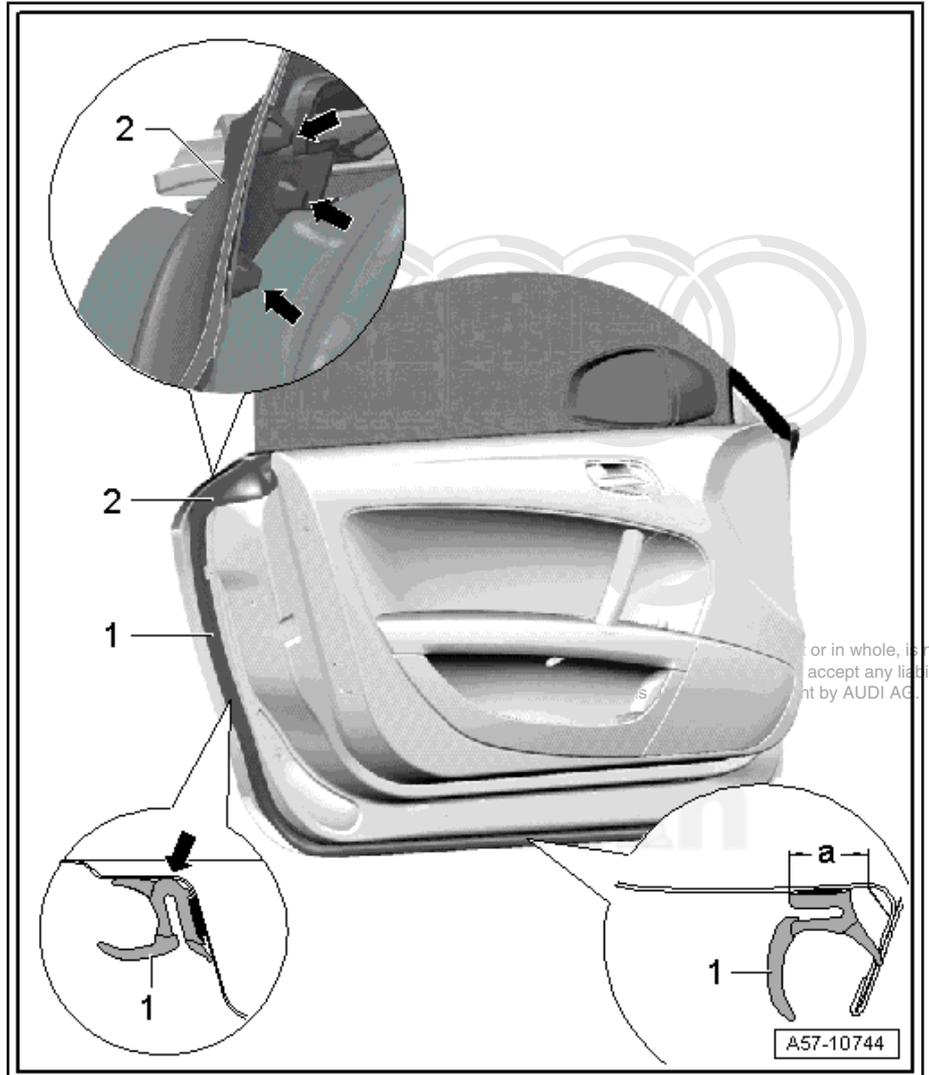
1 - Outer door seal

Note

- Removing
 - Bend the seal length-wise and then pull it off little by little
 => [page 86](#) .
- Installation
 - Clean the adhesive surface, if necessary, remove any remaining adhesive with adhesive strip remover -VAS 6349- .

Note

- The outer door seal must make contact with -arrow- the door cover in the upper B-pillar area.
- Remove the protective film from the under side of the door to the B-pillar.
- Press on the outer door seal beginning from the lower B-pillar on the under side of the door and working forward and upward.
- Remove the protective film in stages upwardly and press on the outer door seal.



Caution

Do not stretch or crush the seal when installing it.

The seal will come off wherever it is stretched or crushed along the bottom or on the B-pillar.

- Only press the outer door seal onto the outer door seal end with a roller -3356- , refer to => [page 86](#) .

Caution

Do not close the door for at least 2 hours to prevent loosening or moving the door outer seal. The vehicle must be at room temperature.

2 - Window shaft strip

- Press the window shaft strip tab -arrows- completely into the door cover on the upper B-pillar.

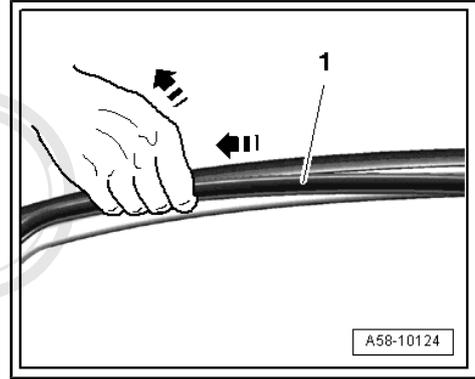
Removing Outer Door Seal



Note

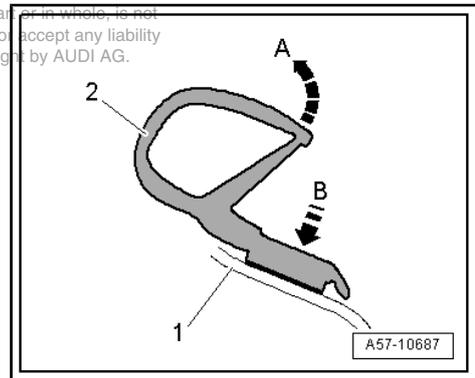
Pulling the seal laterally will loosen the adhesive and then it is possible to remove the door outer seal without any left over adhesive on it.

- Bend and remove the door outer seal laterally as illustrated -arrow-.
- Proceed the same way and remove the door outer seal completely.
- Remove any left over adhesive with adhesive strip remover -VAS 6349- .



Press on end of Outer Door Seal

- Raise the outer door seal in direction of arrow -A- and press down firmly on the end of the outer door seal in direction of arrow -B- using the roller -3356- .



2.2 Door Components

⇒ ["2.2.1 Window Regulator", page 87](#)

⇒ ["2.2.2 Door Handle and Door Lock", page 96](#)

2.2.1 Window Regulator

1 - Door window

- ❑ Removing and installing, refer to ["2.2.1 Front Door Window", page 212](#)

2 - Window regulator

- ❑ Door trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Window removed.
- Door inner panel cover removed ⇒ [page 90](#)
- Disconnect or unclip electrical wires.
- Window regulator motor removed.
- Remove nuts -4- and -7-.
- Lift the window regulator out of the door through the side door opening.

3 - Door

4 - Nut

- ❑ 8 Nm

5 - Bolt

- ❑ 3.5 Nm

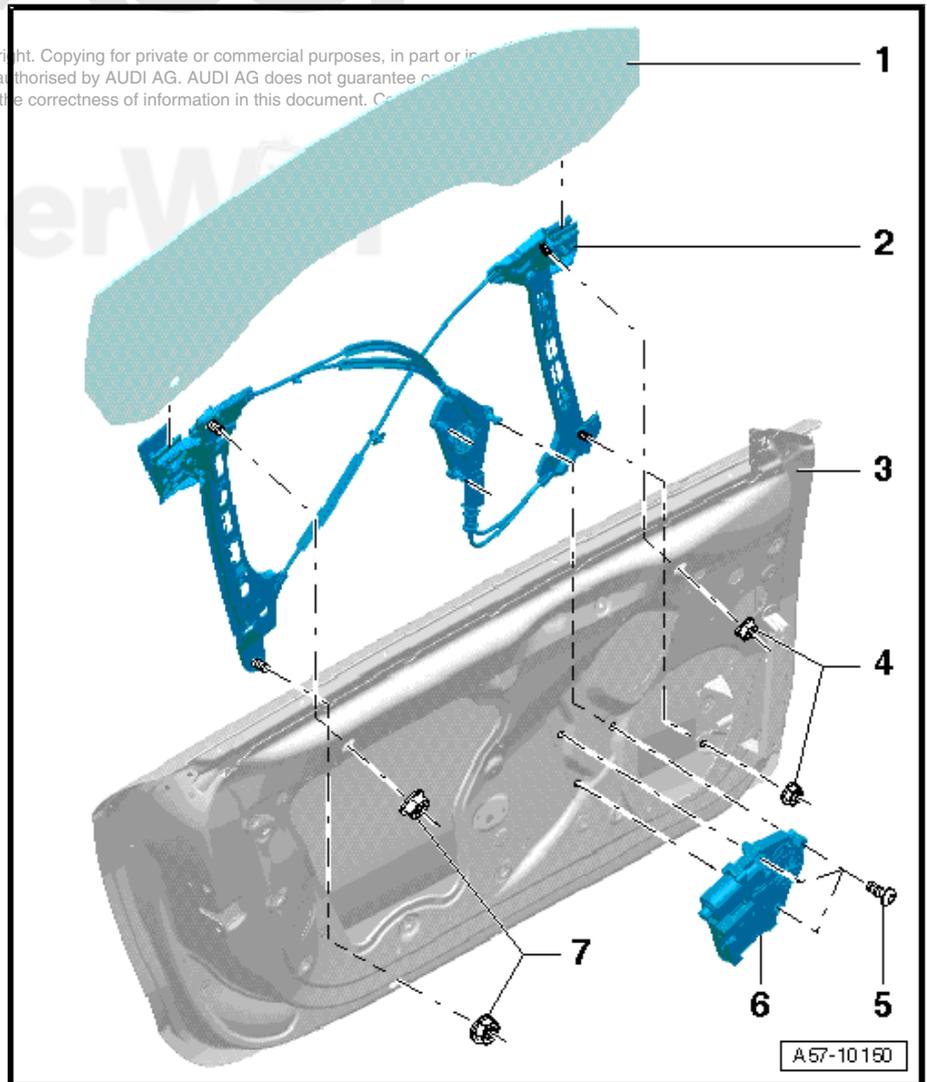
6 - Window regulator motor



Note

7 - Nut

- ❑ 8 Nm



Window regulator side adjustment

1 - Window regulator**2 - Door****3 - Nut**

□ 8 Nm

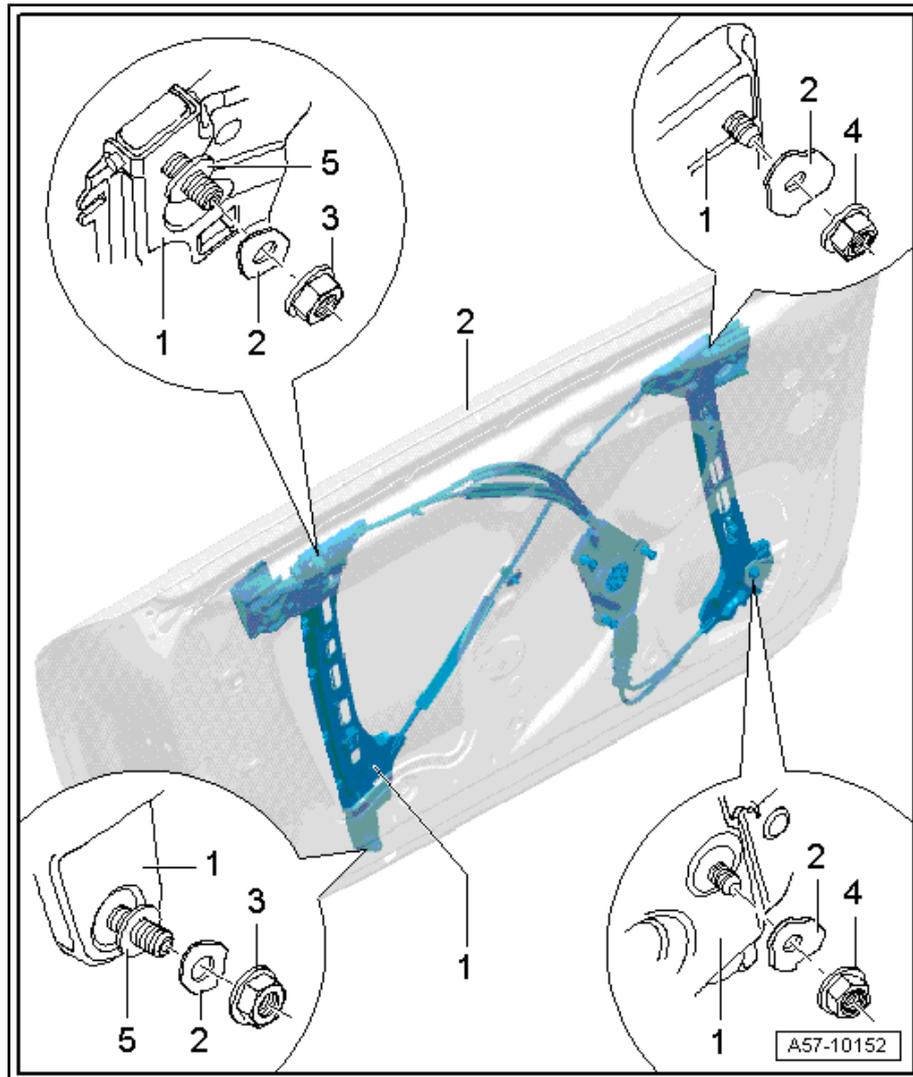
4 - Nut

□ 8 Nm

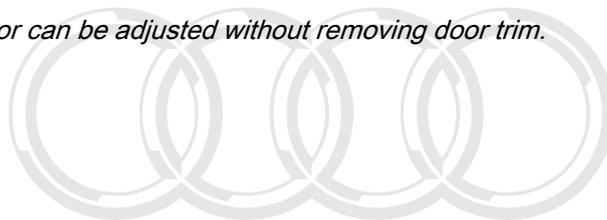
5 - Adjusting screw

□ For side adjustment, window regulator can be adjusted via the adjusting screws.

– Loosen nuts -3- and install or remove adjusting screws corresponding to door seal on roof or rear window.

**Window regulator height adjustment****Note**

The height of the window regulator can be adjusted without removing door trim.



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1 - Window regulator

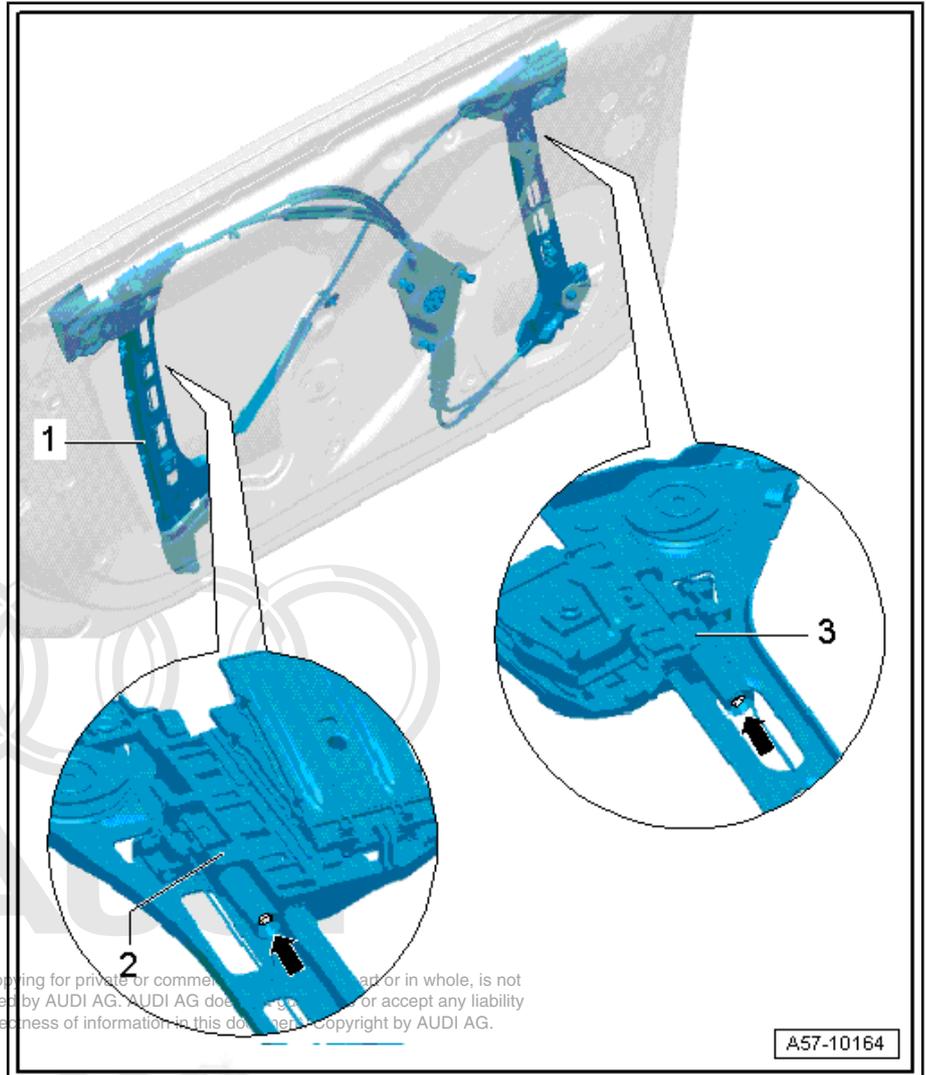
- ❑ To adjust, run window regulator all the way down.
- ❑ Guide 5 mm hex socket head wrench through door panel from below into adjusting screws and -arrows- and adjust.

2 - Rear driver

- ❑ Rear adjusting screw -arrow-

3 - Front driver

- ❑ Front adjusting screw -arrow-



Window regulator motor, removing

- Door trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation

- Bolt -2- 3.5 Nm

 **Note**

- ◆ *The power window motor can be removed or installed with the motor or side window in any position.*
- ◆ *Before removing motor, disconnect electrical harness connectors.*

- Remove bolts -2- and remove nut -1- from threaded pins.

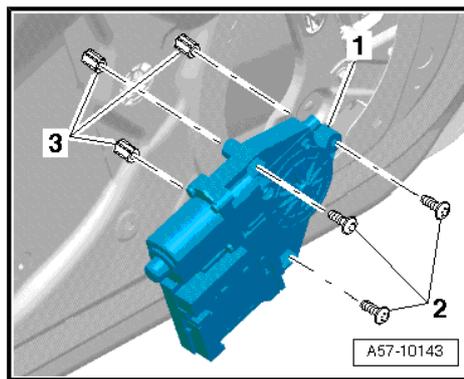
Installation

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- **When installing, ensure threaded pins -3- engage with retainers in inner door panel.**
 - Slide window regulator motor -1- onto threaded pin -3- and secure with screws -2-.

 **Note**

- ◆ *Only switch ignition on after installing motor and connecting wires.*
- ◆ *Then move door window upward to stop and keep pressing switch for window regulator for approximately. 2 seconds longer.*
- ◆ *This position is the base position and the high- and low-running function is activated.*

Inner door panel rear cover, removing and installing



1 - Inside door release mechanism cable

2 - Grommet

- Must be pressed into cover -4- completely.

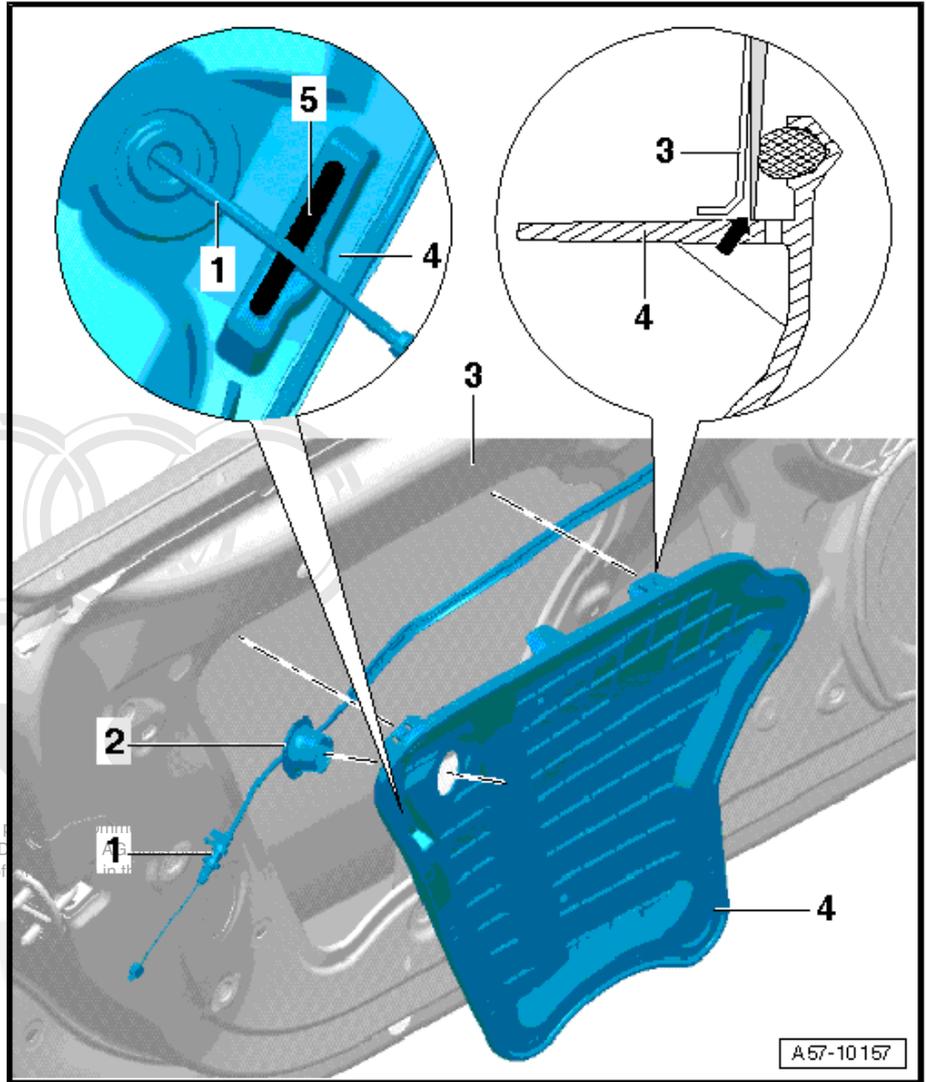
3 - Door inner panel

4 - Cover

- To removal, release cover retaining tabs in stages using a thin object.

- Retaining tab location

5 -

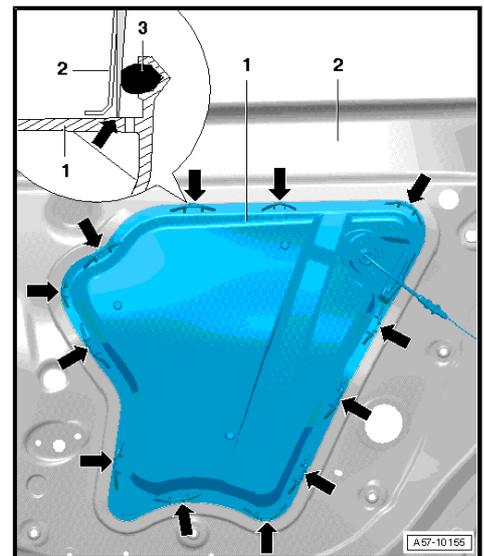


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Cover retainers

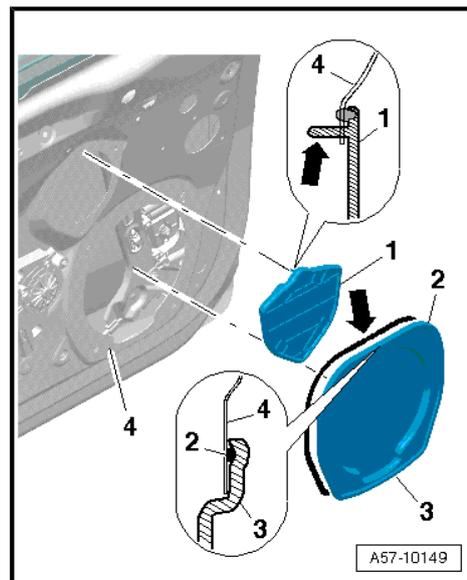
- Release retainers -arrows- on cover -1- from inner door panel -2- in stages using a thin object.
- Replace seal -3- if necessary



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Inner door panel front covers, removing and installing

- Insert centering pin -arrow- on cover -1- into inner door panel -4- and press on.
- Replace seal -2- on cover -3- if necessary.



»A-pillar« trim, removing

1 - Trim

- Attach trim from above as shown -arrow- and secure with bolt -4-.

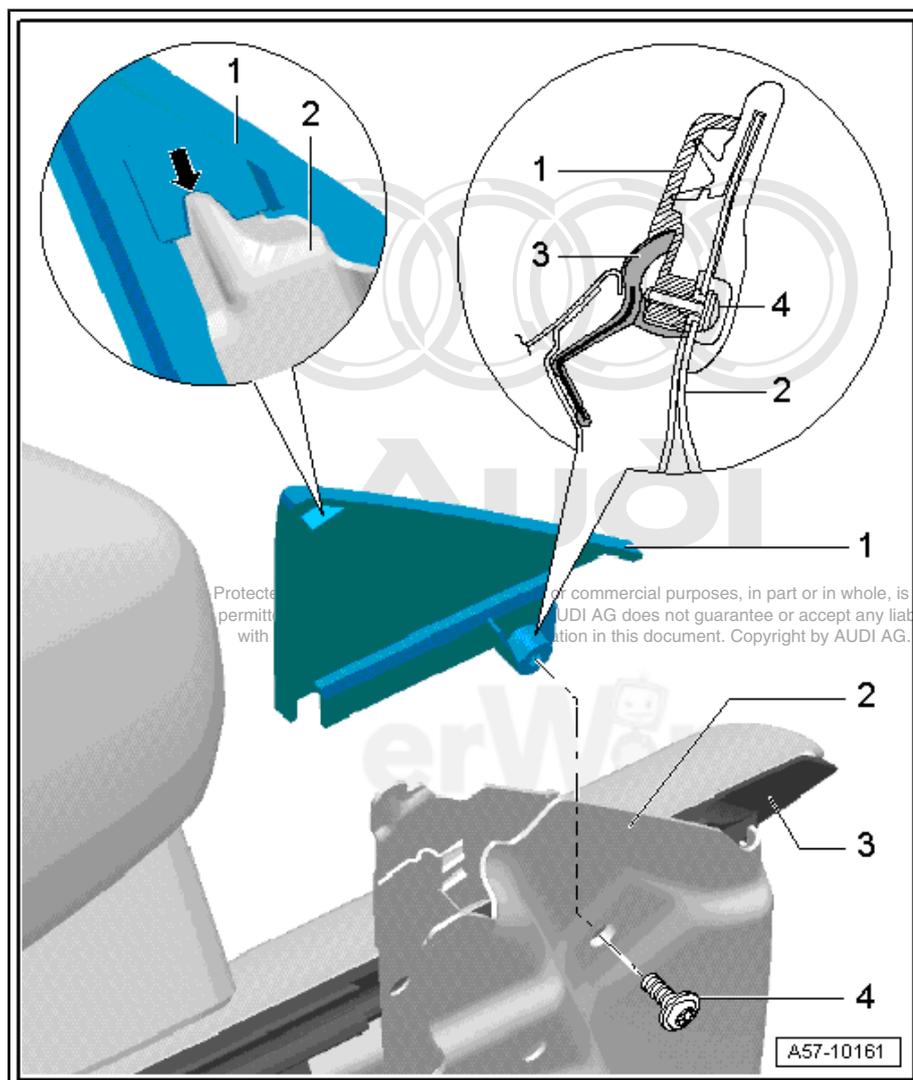
2 - Door

3 - Outer window shaft strip

- Trim -1- removed for disassembly.

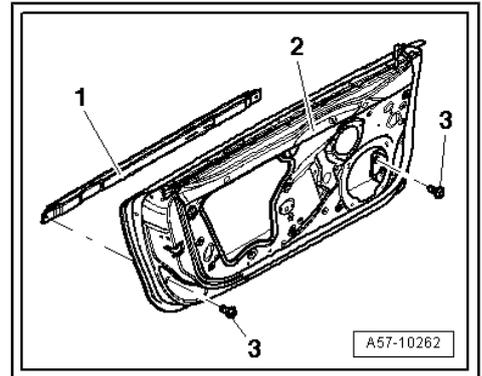
4 - Bolt

- 2.5 Nm



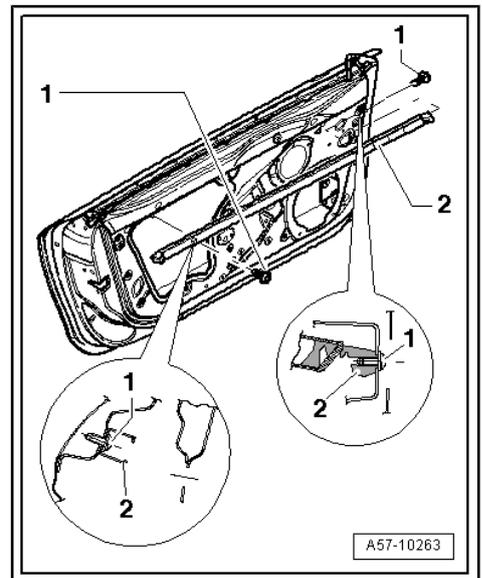
Coupe side impact member

- It is removed and installed through the oblong hole for the bellows.
- To install impact member -1-, slide in through oblong hole in door -2- and tighten bolts -3- to 12 Nm.



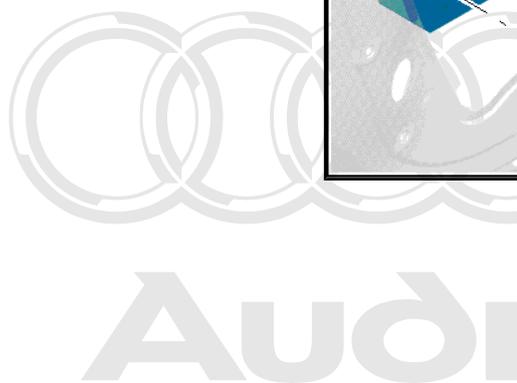
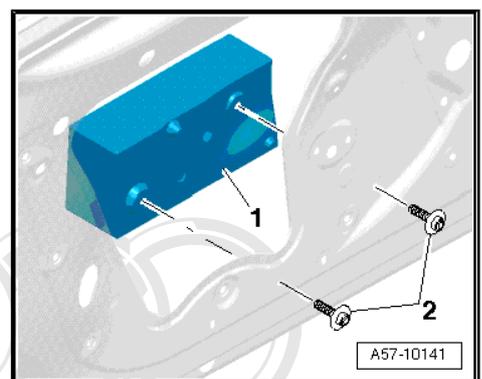
Roadster side impact member

- It is removed and installed through the oblong hole for the bellows.
- For installation, insert the impact member through the oblong hole into the door.
- First insert the impact member into the hole on the A-pillar and then secure slightly with screw -1-.
- Then secure impact member -2- with bolt -1-.
- Tighten the screws from back to front starting on the B-column with 12 Nm.



Side protective cushion

- Bolt -1- 3.5 Nm
- Insert side protective cushion in door and secure with bolts.

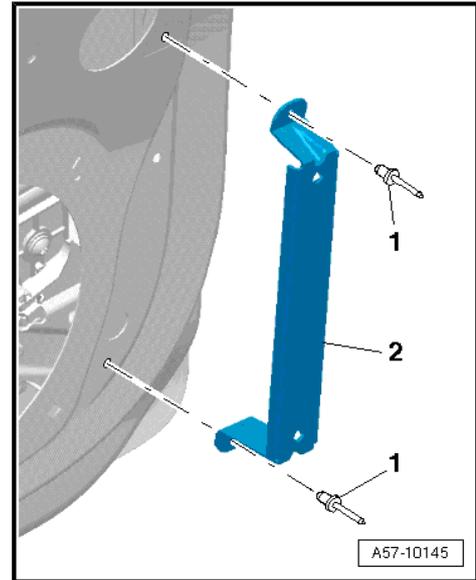


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Door trim reinforcement

To remove, drill out rivet heads and drive out rivet shafts.



Outer Window Shaft Strip, Removing and Installing

1 - Door

2 - Spring nut

- Pressed into door flange.

3 - Window shaft strip

- Door trim and door window removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation

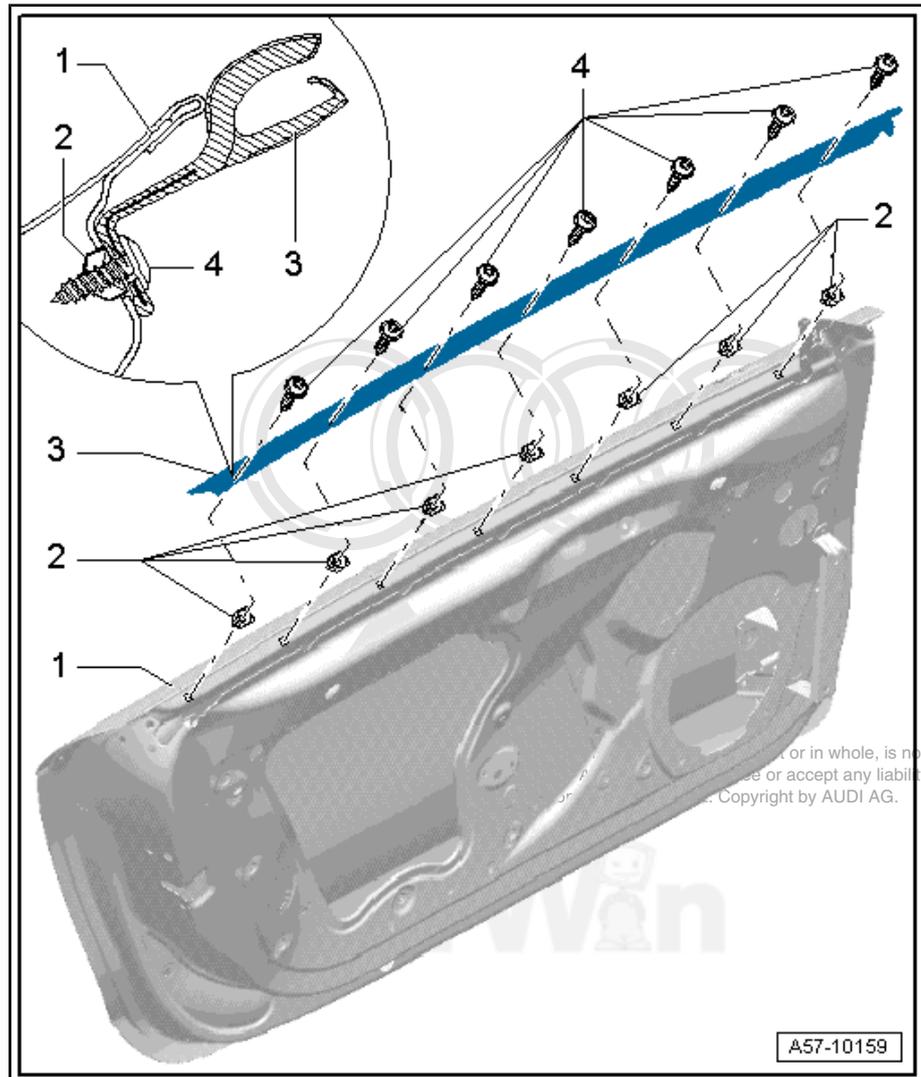
– Remove A-pillar trim.

- Remove bolts and remove window shaft strip.

- When installing, align shaft strip on B-pillar and secure with bolts -4-.

4 - Bolt

- 1.5 Nm



Inner window shaft strip, removing and installing

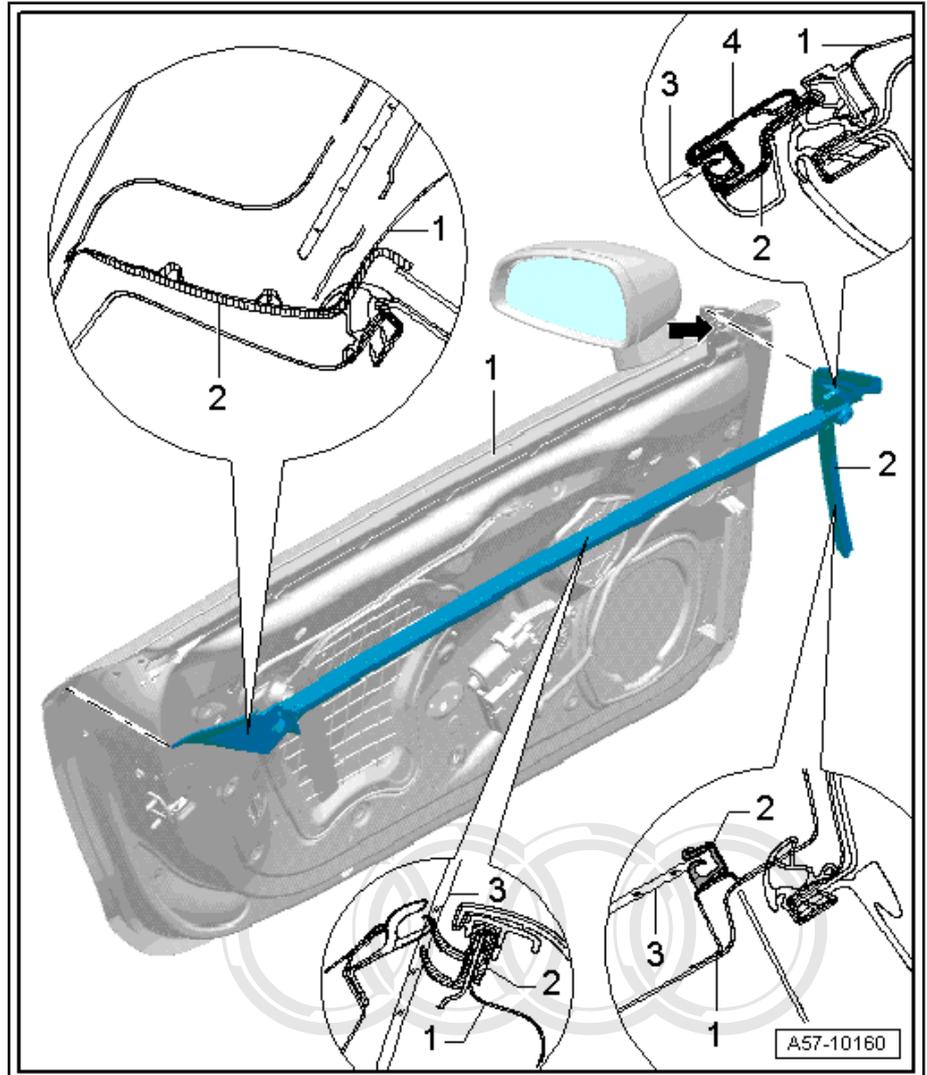
1 - Door

2 - Inner window shaft strip

- The door trim panel is removed.
- Door window removed.
- To installed, slide into guide rail on »A-pillar«.
- Attach shaft strip to »A-pillar« -arrow-.
- Then clip into door at »B-pillar«.
- Press shaft strip onto door flange from above.

3 - Door window

4 - »A-pillar« trim



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2.2.2 Door Handle and Door Lock

1 - Door lock

- Door trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- The door lock can be removed without removing window regulator.
- Removing, refer to ⇒ [“1.1.3 Door Lock Assembly Overview”, page 78](#)

2 - Bolt

- 20 Nm

3 - Anti-theft cover

- Slid onto door panel ⇒ [page 97](#)

4 - Bracket

- Removing and installing with door handle and lock cylinder handle removed.
- Cable, disengaging at door lock
 - To remove, remove the bolt -11-, slide mounting bracket slightly to rear and remove from door.

5 - Actuating link

- Engage in door lock ⇒ [Item 3 \(page 76\)](#)

6 - Rear backing

- Insert in door panel

7 - Lock cylinder housing

- Removing
 - Unclip cover cap on front side of door.
 - Remove door handle.
 - Remove bolt as far as stop using socket wrench (AF T20).
 - With light pressure on bolt, release lock cylinder and remove sideways from door.
- Installing:
 - Cover cap -8- must be attached before installing.

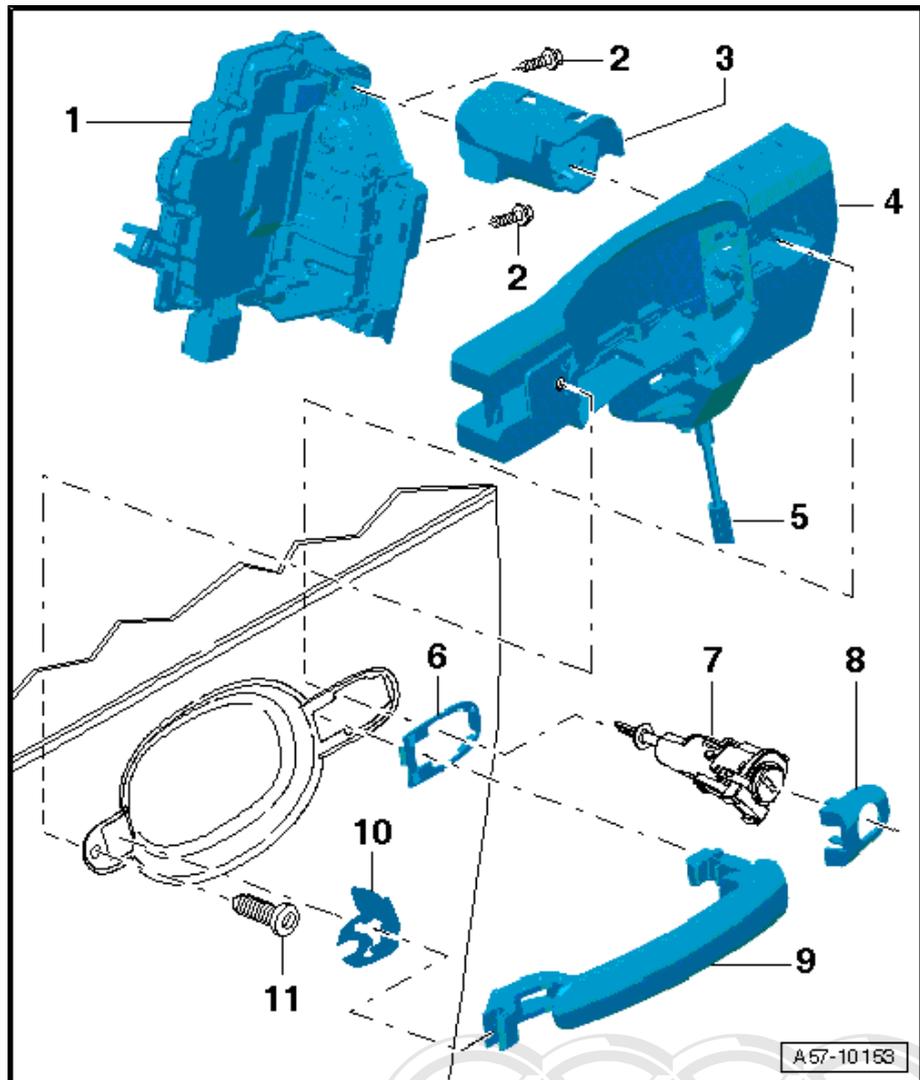
8 - Cover

- Attached to lock cylinder.

9 - Door handle

10 - Front backing

- Attach to door handle.



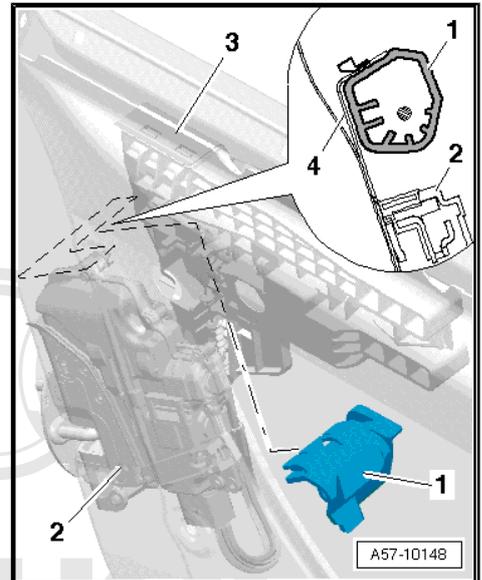
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11 - Bolt

- 2.5 Nm.

Anti-theft cover, removing

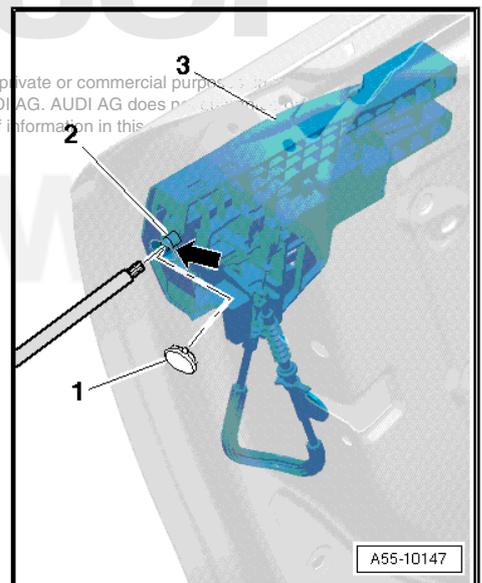
- The anti-theft cover -1- is slid between the door lock -2- and mounting bracket -3- onto the door panel -4- as shown.



Lock cylinder, removing and installing

- Pry off cover -1-.
- Pull door handle and hold firmly.
- Remove bolt -2- as far as stop using socket wrench (AF T20).
- The lock cylinder housing is only completely released with light pressure on the socket wrench or bolt.
- Remove lock cylinder housing -2- sideways from door or mounting bracket.

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Installation

Reverse order of removal.

2.3 Central Locking

⇒ [“2.3.1 Hood Switch F266”, page 98](#)

⇒ [“2.3.2 Fuel Filler Door Unlock Motor V155”, page 99](#)

2.3.1 Hood Switch F266



Note

- ◆ Central locking functions electronically.
- ◆ Actuators in doors are integrated in the door lock and have 2 motors.
- ◆ Actuators cannot be replaced separately.
- ◆ The first motor locks the door and the second motor locks the interior door mechanism (Safe function).
- ◆ **Now, doors also can no longer be opened from the interior.**
- ◆ After an accident in which the airbag deploys, the central locking system control module opens any doors which were locked.
- ◆ The central locking control module is located inside the right rear side panel.

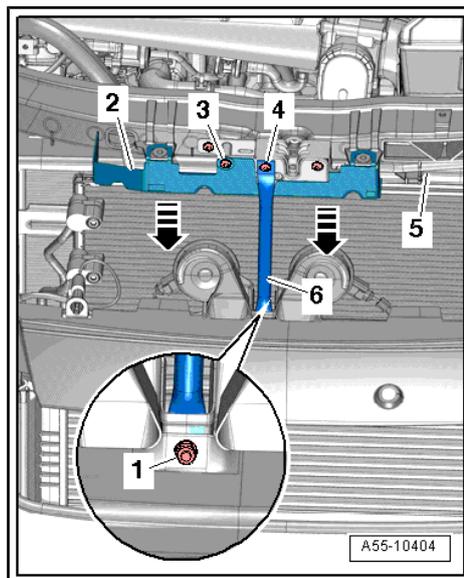
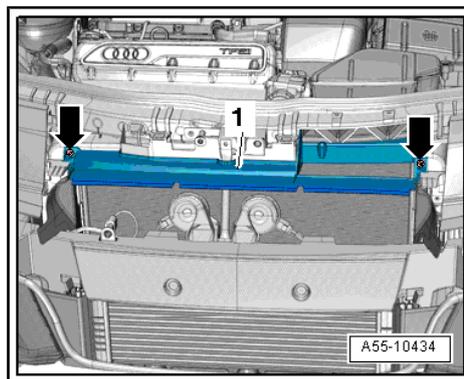
Removing



Note

When installing, position cable ties in same place.

- Remove bumper ⇒ [“2.2.1 Front Bumper”, page 170](#).
- Remove the bolts -arrows-.
- Remove air guide -1-.
- Remove the nuts -1- and bolts -3- and -4-.
- Remove brace -6-.
- Detach bottom theft protection -2- from lock carrier -5- -arrows- and remove.



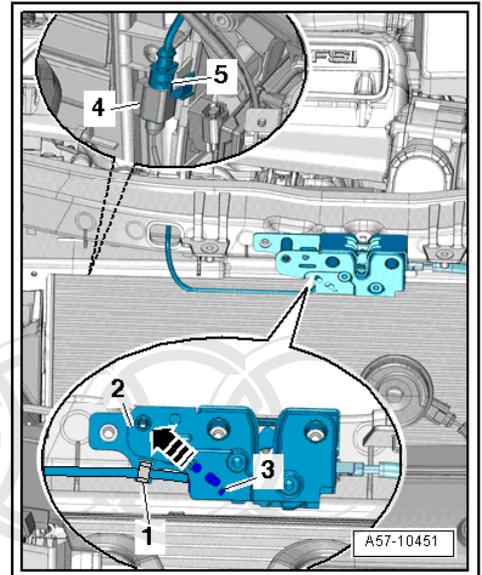
- Remove the electrical harness connector from the bracket by releasing the retaining bracket -5-.
- Disconnect the connector -4-.
- Cut through cable tie -1-.
- Thread the wiring harness out of the lock carrier.
- Unlock retaining bracket -3- and detach and remove the hood contact switch -F266- in the -direction of the arrow- from lid lock -2-.

Installation

- For the correct tightening specifications, refer to [⇒ "1.2.4 Hood Locks Assembly Overview", page 16](#).

Install in reverse order of removal. Note the following:

- Install the bumper [⇒ "2.2.1 Front Bumper", page 170](#).



2.3.2 Fuel Filler Door Unlock Motor V155

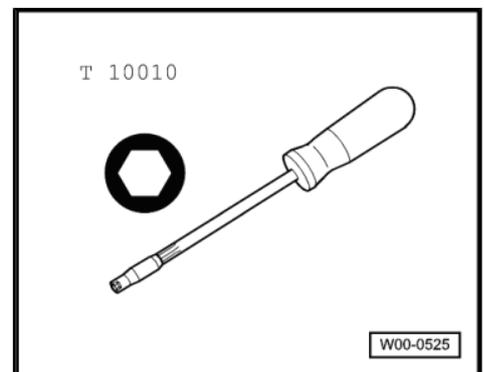


- ◆ *Central locking functions electronically.*
- ◆ *Actuators in doors are integrated in the door lock and have 2 motors.*
- ◆ *Actuators cannot be replaced separately.*
- ◆ *The first motor locks the door and the second motor locks the interior door mechanism (Safe function).*
- ◆ *Now, doors also can no longer be opened from the interior.*
- ◆ *After an accident in which the airbag deploys, the central locking system control module opens any doors which were locked.*
- ◆ *The central locking control module is located inside the right rear side panel.*

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Special tools and workshop equipment required

- ◆ Socket wrench -T10010- .



Assembly Overview

1 - Emergency release**2 - Bracket****3 - Fuel filler door unlock motor -V 155-**

- Installing ⇒ [page 101](#)

4 - Fuel Filler Door Release Cable**5 - Fuel filler door**

- Removing ⇒ ["2.5.1 Fuel Filler Door"](#), [page 67](#)

6 - Bolt

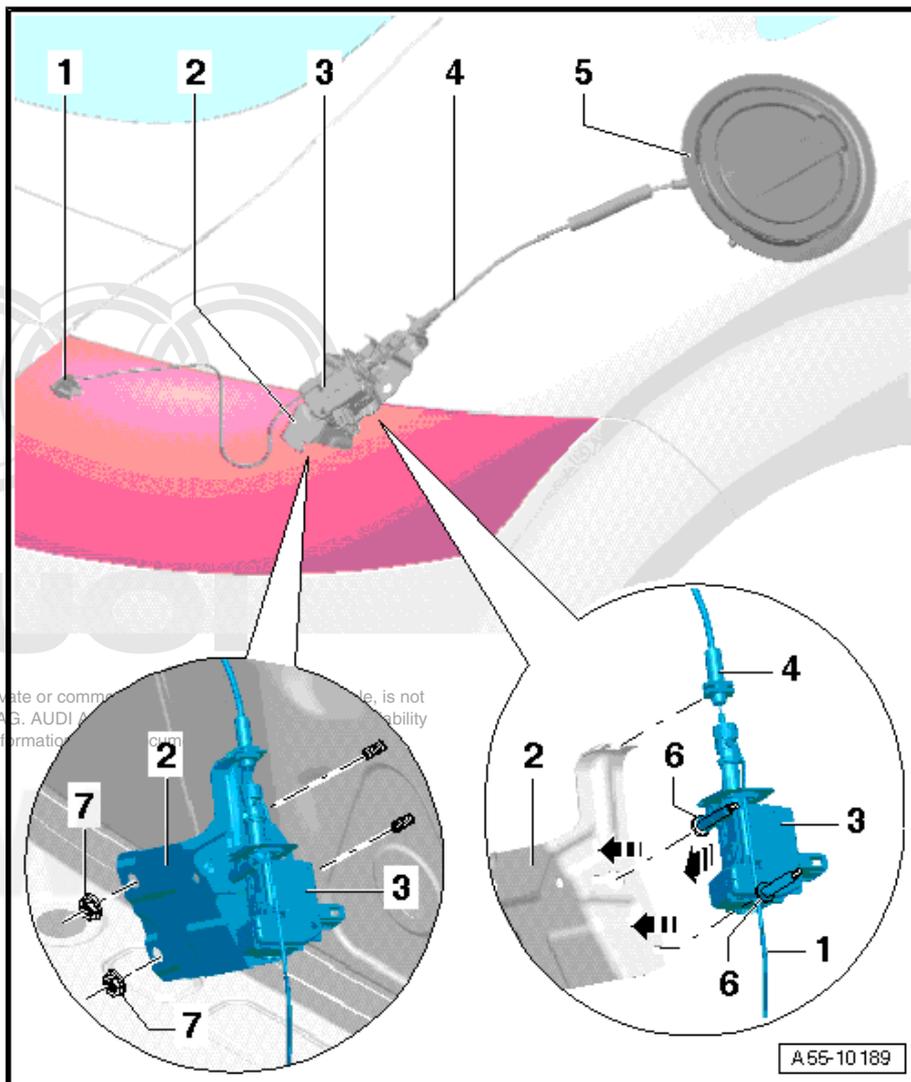
- With bracket -2- installed, loosen bolts clockwise using Socket Wrench -T10010- .

- 2 Nm

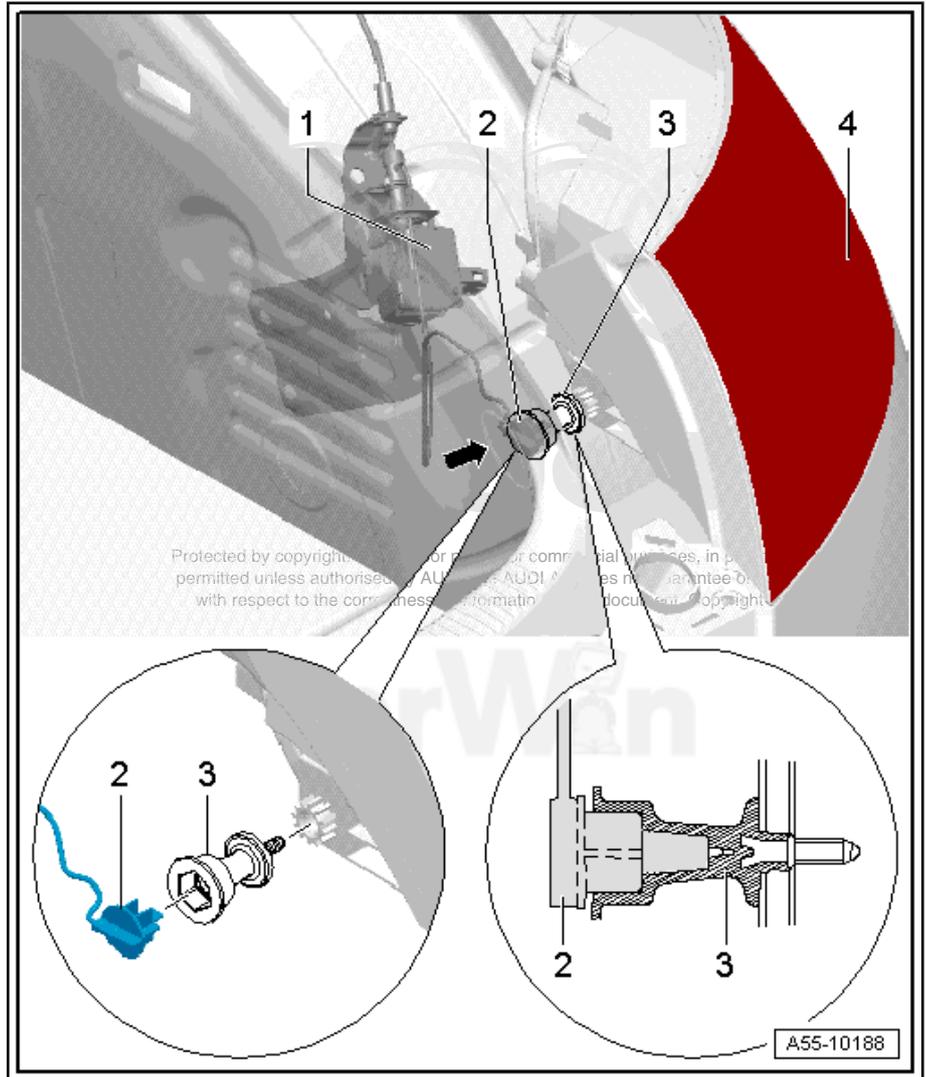
7 - Nut

- 9 Nm

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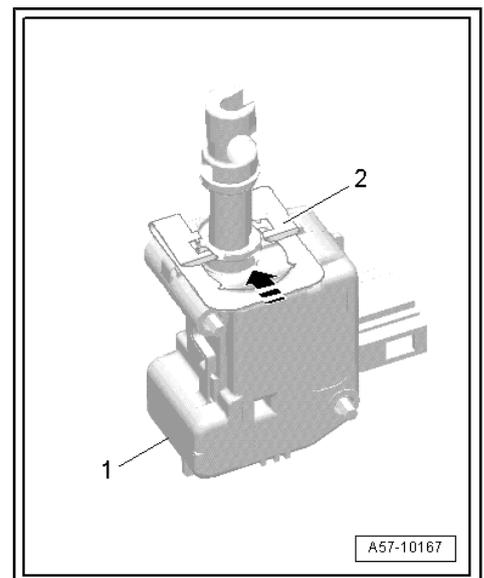
**Fuel filler door emergency release cable routing**

- 1 - Emergency release motor
- 2 - Emergency release clip
 - Press into emergency release bracket.
- 3 - Emergency release bracket



Fuel Filler Door Unlock Motor, Installing

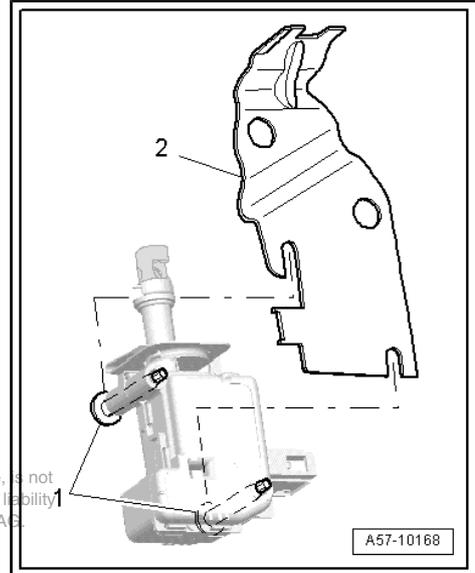
- Insert emergency release clip -2- in motor -1-.



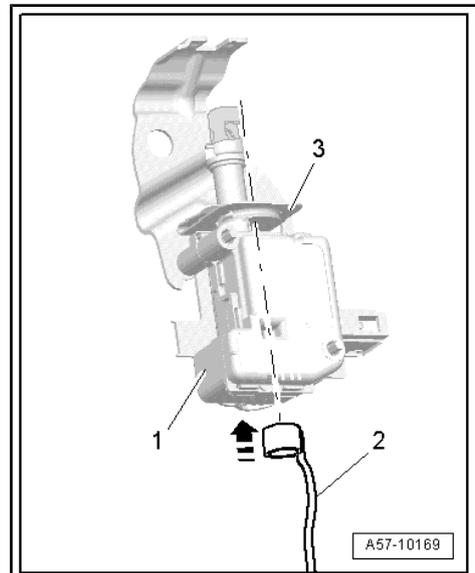
- Insert motor in bracket -2- and tighten with bolts -1-.



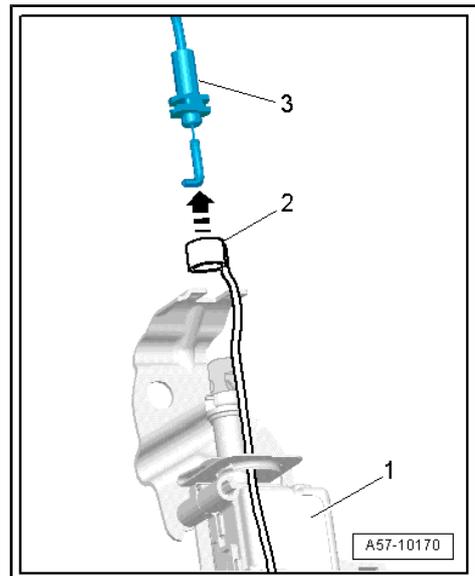
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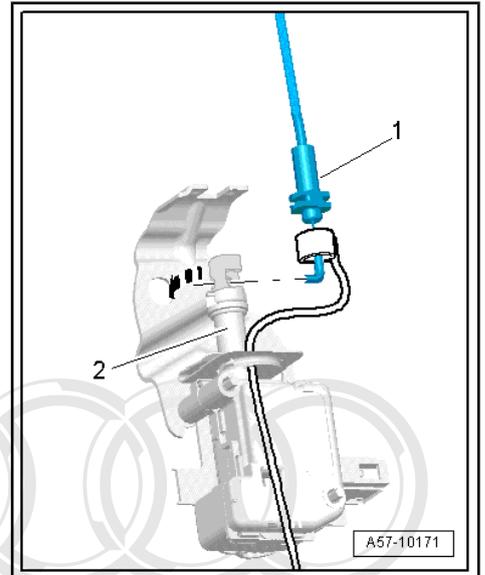
- Guide emergency release -2- through clip -3- on motor -1-.



- Connect emergency release -2- to cable -3-.

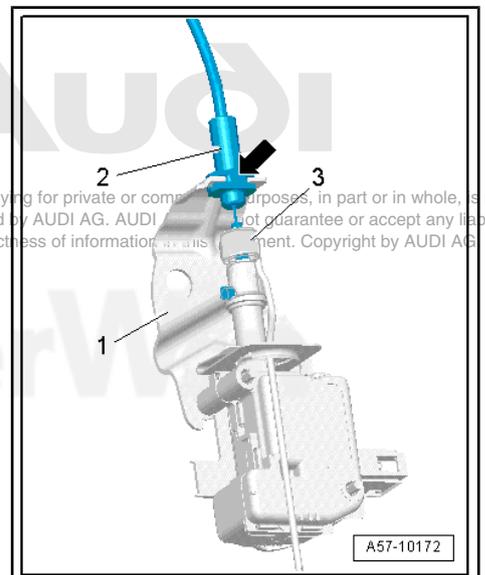


- Insert cable -1- in operating rod -2- and turn until it engages audibly.

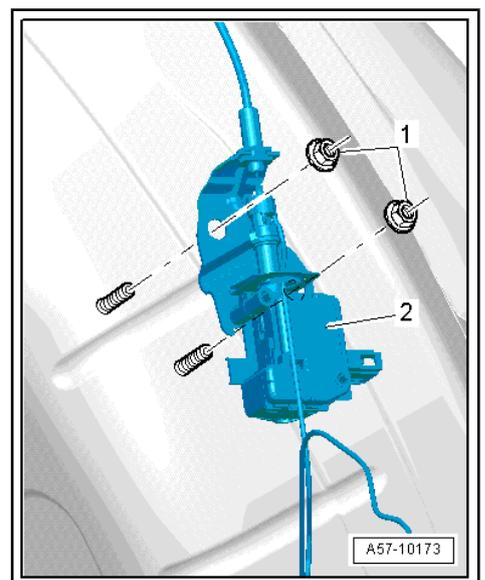


- Slide emergency release cap -3- onto operating rod and press cable bracket -2- into bracket mount -arrow-.

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- Secure assembly -2- in upper wheel housing with nuts -1-.



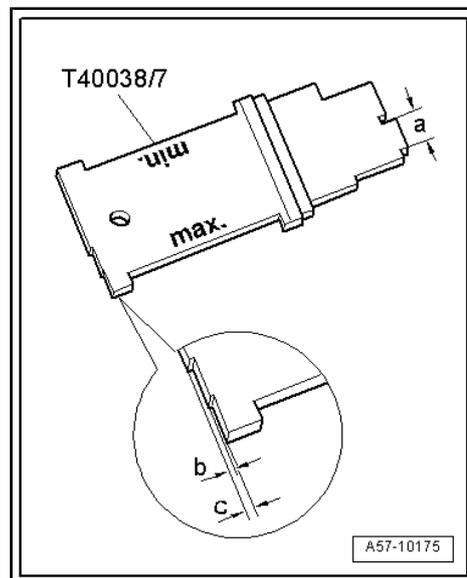
3 Special Tools

Special tools and workshop equipment required

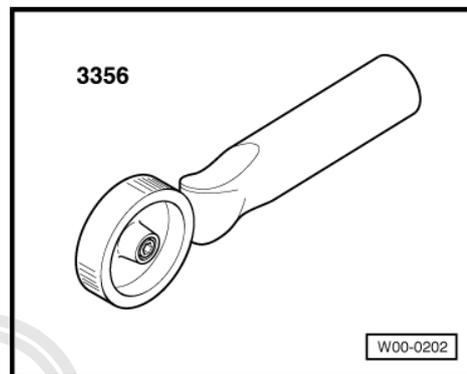


Special tools and workshop equipment required

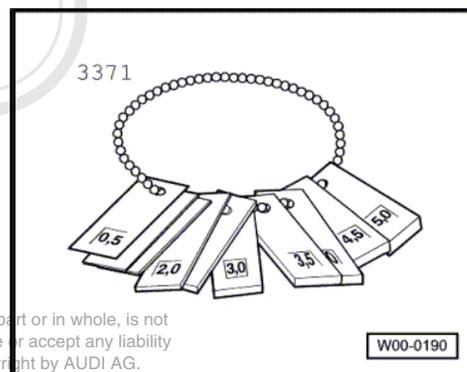
- ◆ Template -T40038/7-



- ◆ Roller -3356-

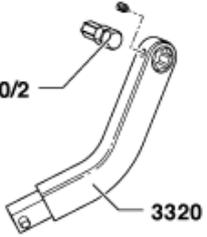
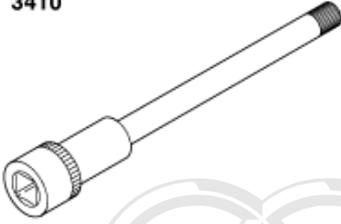
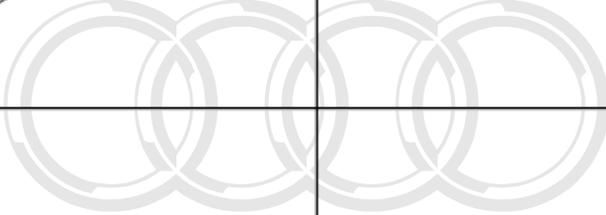


- ◆ Adjusting gauge -3371-



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- ◆ Socket wrench -T10011-
- ◆ Box spanner -3320/2-
- ◆ Socket -3410-

<p>T 10011</p> 	<p>3320/2</p> 
<p>3410</p> 	
<p> Audi</p> <p>Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.</p> <p>W57-0001</p>	

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61 – Convertible Top

1 Description and Operation

⇒ [“1.1 Convertible Top”, page 106](#)

⇒ [“1.2 Convertible Top Hydraulic System”, page 113](#)

1.1 Convertible Top

⇒ [“1.1.1 Front Convertible Top Compartment Trim”, page 106](#)

⇒ [“1.1.4 Safety Precautions”, page 108](#)

⇒ [“1.1.5 Convertible Top Assembly Overview”, page 109](#)

⇒ [“1.1.6 Convertible Top, Adjusting”, page 110](#)

⇒ [“1.1.2 Convertible Top Compartment Latch Assembly Overview”, page 107](#)

⇒ [“1.1.3 Convertible Top Latch Height Adjustment”, page 108](#)

1.1.1 Front Convertible Top Compartment Trim

1 - Front convertible top compartment trim

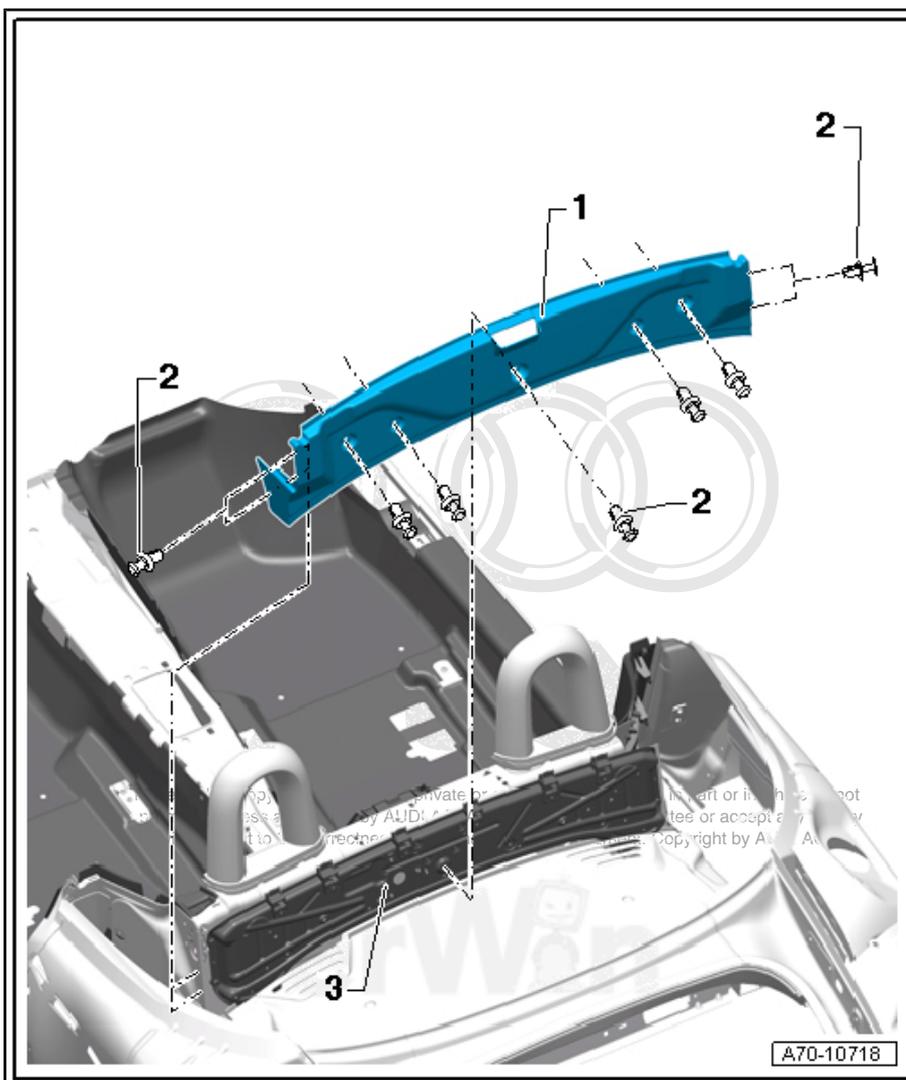
- ❑ Removing and Installing, refer to
⇒ [“2.1.4 Front Convertible Top Compartment Trim”, page 122](#)

2 - Expanding clip

- ❑ Quantity: 9

3 - Wind deflector

- ❑ Only the wind deflector support is installed on some vehicles, note corresponding equipment



1.1.2 Convertible Top Compartment Latch Assembly Overview

Note

Only on manual convertible top.

1 - Release cable

2 - Cable bracket

- Clip cable bracket with wind screen support.

3 - Clip

- Clip into upper end plate as shown

4 - Front convertible top compartment wall

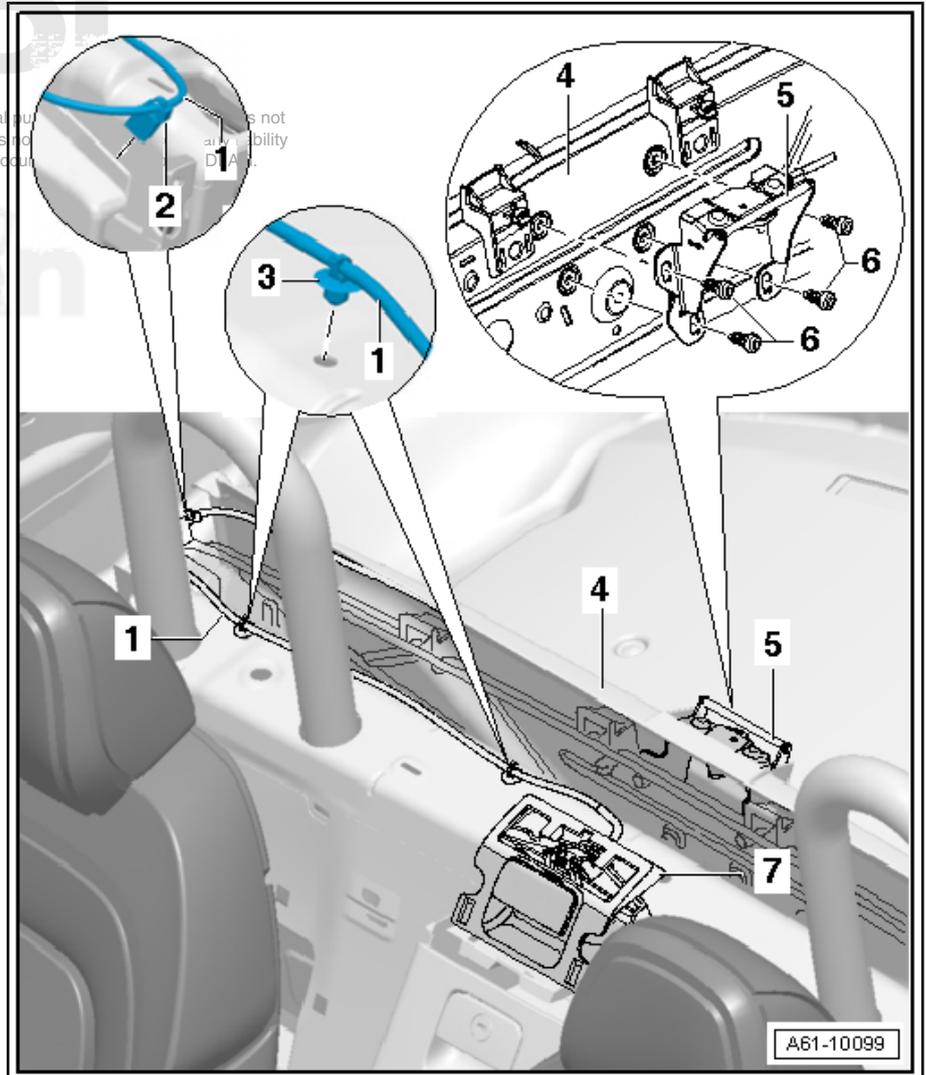
5 - Convertible top latch bracket

- Height adjustment, refer to [⇒ page 108](#)

6 - Screws

- 8 Nm

7 - Convertible top latch handle



1.1.3 Convertible Top Latch Height Adjustment

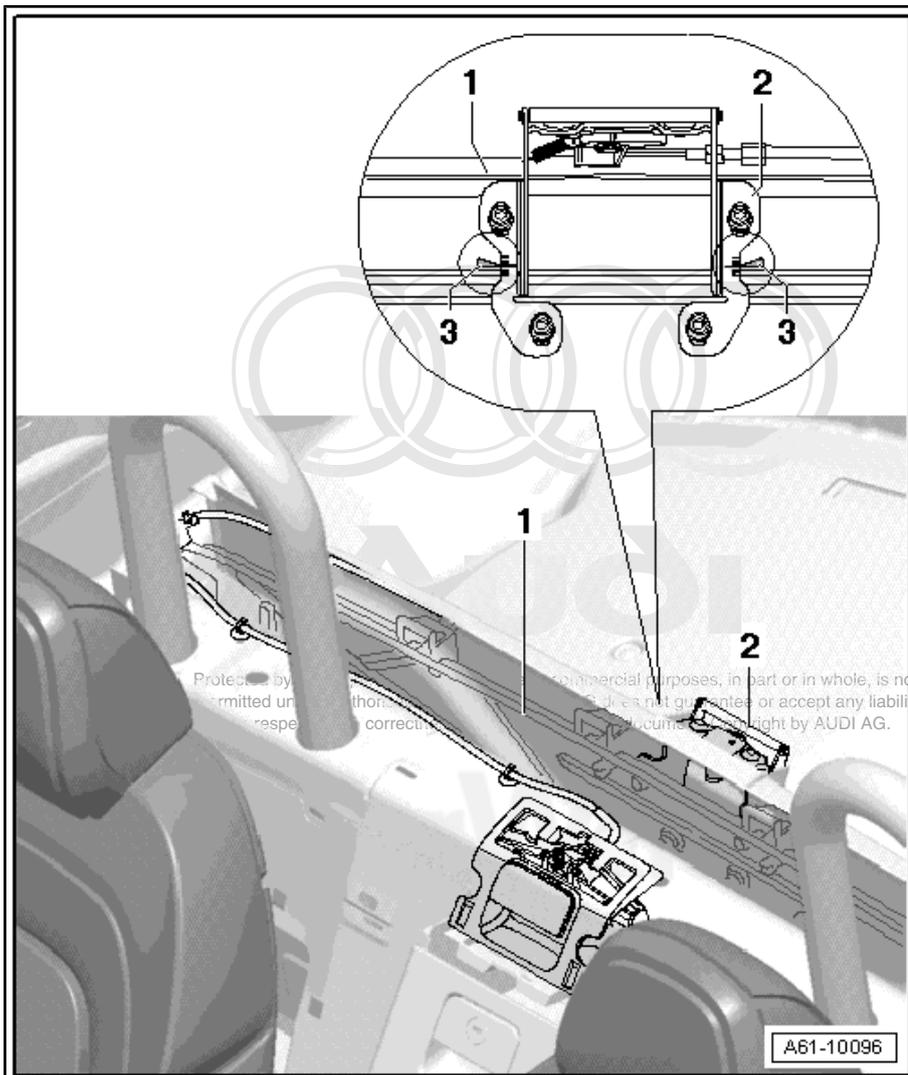
1 - Release cable

2 - Convertible top latch

- ❑ The convertible top latch must be adjusted so top is 4 mm below front convertible top compartment trim.

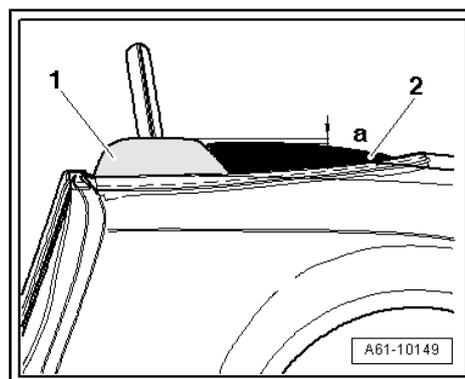
3 - Markings

- ❑ To adjust height, adjust latch according to markings.



Front rail height adjustment

- When convertible top is adjusted correctly, front rail must engage with dimension -a- = 4 mm in center of vehicle under front convertible top compartment trim.



1.1.4 Safety Precautions

To avoid personal injury or damage to the convertible top, note the following:

- ◆ Always activate parking brake.
- ◆ Switch ignition on and leave on during the opening or closing procedure.

- ◆ Objects in the convertible top compartment must be removed to prevent the convertible top and rear window from being damaged.

1.1.5 Convertible Top Assembly Overview

1 - Convertible top

- ❑ Removing and installing, refer to
 ⇒ ["2.1.3 Convertible Top", page 120](#)

2 - Tensioning strap

- ❑ Bolted under convertible top compartment from luggage compartment out

3 - Hydraulic System

- ❑ Must be removed when installing convertible top.

4 - Screws

- ❑ 36 Nm

5 - Spring

- ❑ Bracket securing spring.

6 - Bracket

- ❑ Must be removed before removing convertible top.
- ❑ Loosen spring and remove bracket sideways from retaining pins.

7 - Convertible top frame cover

- ❑ Removing and installing, refer to
 ⇒ ["2.1.7 Convertible Top Frame Flap", page 125](#)

8 - Rear convertible top compartment trim

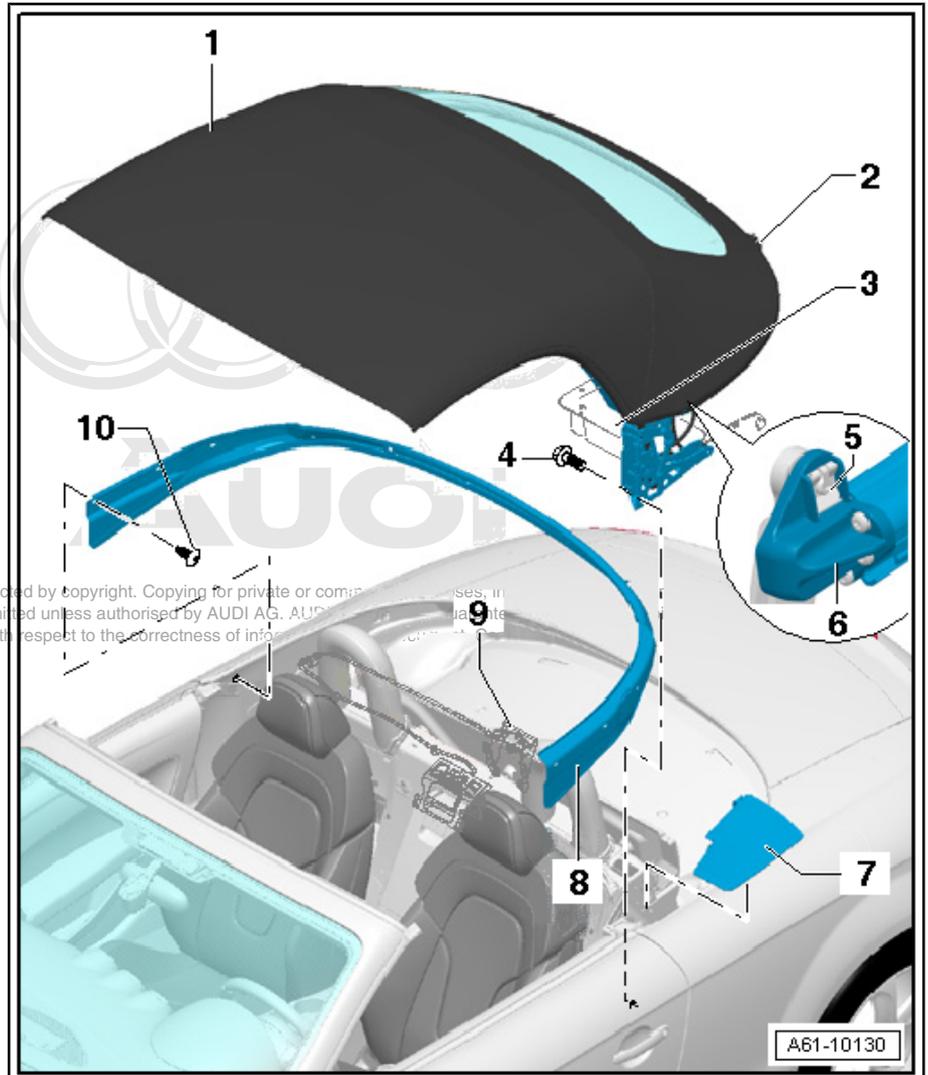
- ❑ When removing the convertible top, only disengage at the rear bracket
 ⇒ ["2.1.5 Bracket, Disengaging at Main Bearing", page 123](#).

9 - Convertible top release

- ❑ Only on manual convertible top.

10 - Clip

- ❑ Quantity: 12



1.1.6 Convertible Top, Adjusting

Convertible Top Spring-Back Dimension



Note

- ◆ *For correct convertible top adjustment, a spring-back dimension of 35 +/- 5 mm must be maintained.*
- ◆ *Close the convertible top from the stored state via switch operation until the hydraulic pump switches off.*
- ◆ *The front side of the convertible top main bearing must be installed parallel to the front wall of the convertible top compartment.*
- ◆ *The dimension between the roof frame crossmember and front rail must now be 35 +/- 5 mm.*
- ◆ *If the dimension 35 +/- 5 mm is not maintained, the position of the main bearing must be checked for parallel alignment with respect to the convertible top front wall and adjusted if necessary.*
- ◆ *If the spring-back dimension is still not within the tolerance specifications after these measures, it can be corrected via the adjusting screw on the front main bearing => [page 111](#) .*

Adjustment Dimensions at Main Bracket



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1 - Bolt

- ❑ Before removing the convertible top, screw in the screw for convertible top height adjustment to the stop on convertible top compartment floor ⇒ [page 112](#).

2 - Convertible top main bearing

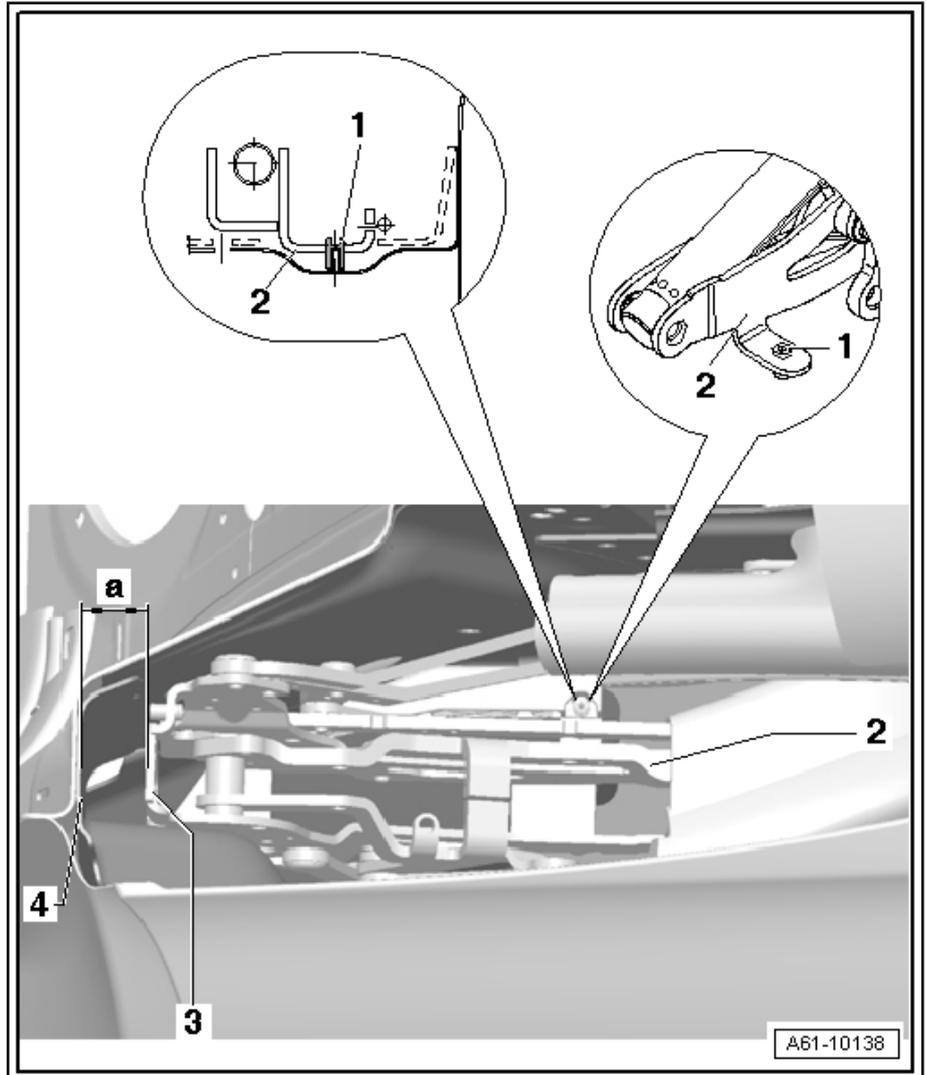
- ❑ Before removing the convertible top, measure the distance from the main bearing to the convertible top compartment front wall, distance -a-.
- ❑ When installing the convertible top, the same parallel distance must be set.



Note

3 - Main bearing front side

4 - Convertible top compartment front wall



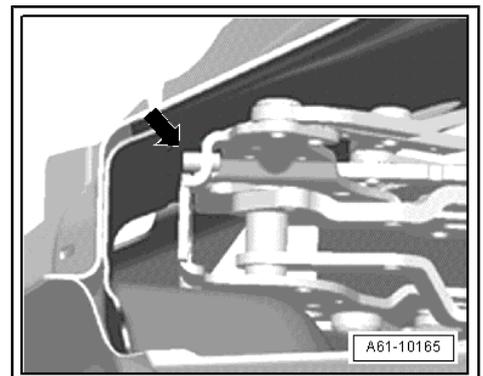
Adjusting Screw for Spring-back Dimension



Note

If the spring-back dimension is not within the tolerance range despite the correct settings at the main bearing, it can additionally be corrected by adjusting the adjusting screw -arrow- at the front main bearing.

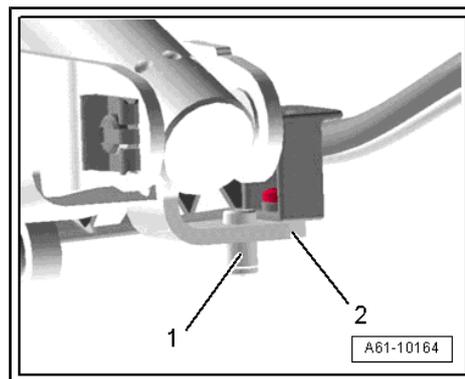
- The spring-back dimension can be reduced by turning the adjusting screw to the left.
- The spring-back dimension can be increased by turning the adjusting screw to the right.



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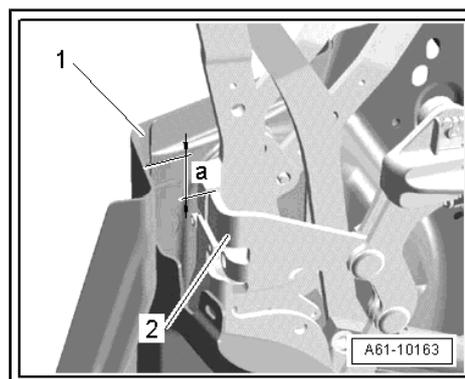
Screw for Convertible Top Height Adjustment

- Prior to convertible top removal, the screw for convertible top height adjustment -1- on lower main bearing -2- must be unscrewed to the convertible top compartment floor.



Height Adjustment at Main Bearing

- During installation, the main bearing must be installed for pre-adjustment at a distance of -a- = 77 mm from the convertible top compartment front wall with respect to the upper edge of the main bearing front side.



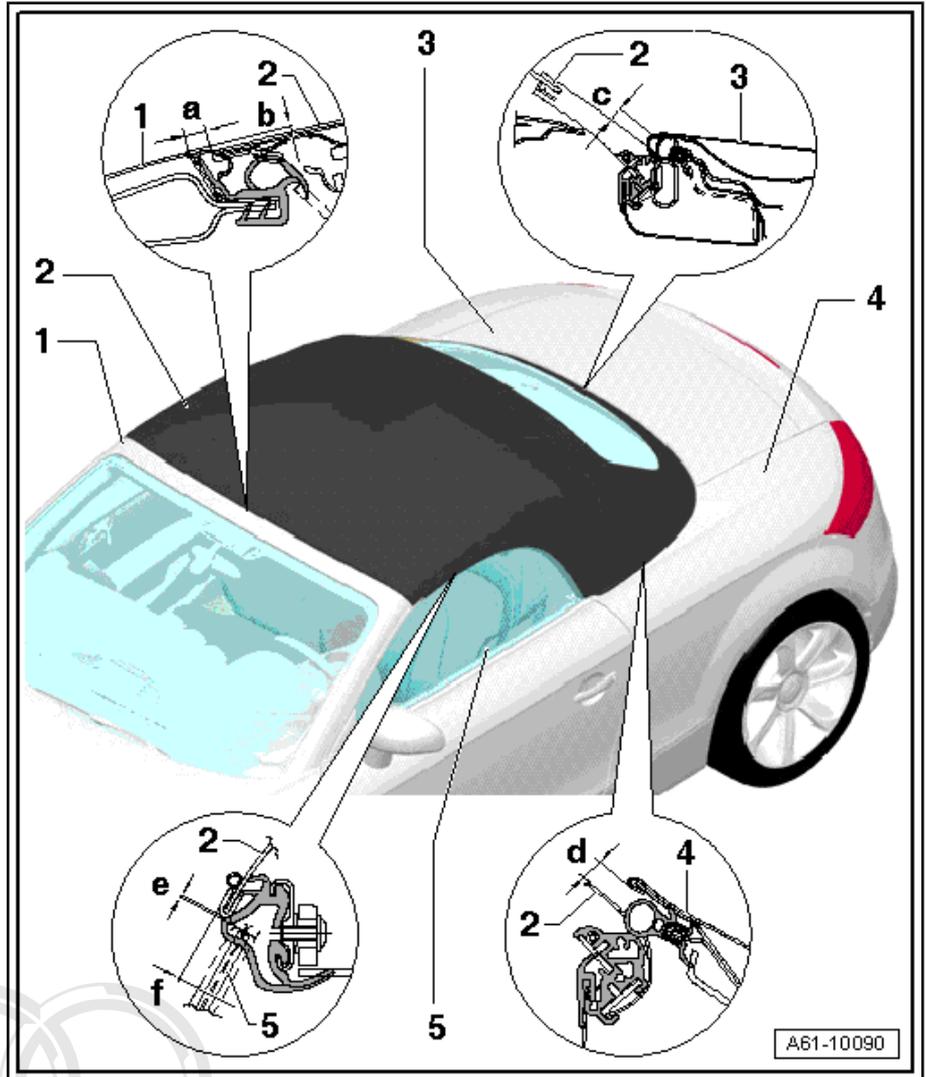
Gap Dimensions on Convertible Top

Note

- ◆ The gap dimensions are set by adjusting at the main bearing.
- ◆ Measure the dimension -c- from the forward edge of the rear lid outward
- ◆ Dimension -d- must be measured from the side panel starting at the main bearing.
- ◆ Dimension -f- can be adjusted by placing adjustment shims on the upper seal guide rails ⇒ [page 125](#) .
- ◆ Dimension -a- = 7 mm
- ◆ Dimension -b- = 1.5 mm
- ◆ Dimension -b- can be adjusted by adding or removing shims between the front rail and convertible top lock.
- ◆ Dimension -c- = 14 mm
- ◆ Dimension -d- = 4.5 mm
- ◆ Dimension -e- = 1.5 mm
- ◆ Dimension -f- = 12 mm
- ◆ Adjust the dimension -f- by adding or removing washers from between the guide rail and roof guide, refer to ⇒ [page 125](#)

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- 1 - Body window crossmember
- 2 - Convertible top
- 3 - Body
- 4 - Side panel
- 5 - Door window



1.2 Convertible Top Hydraulic System

⇒ ["1.2.1 Hydraulic System General Information", page 113](#)

⇒ ["1.2.2 Clean Working Conditions", page 114](#)

⇒ ["1.2.3 Hydraulic System, Filling and Bleeding", page 114](#)

⇒ ["1.2.4 Hydraulic System Assembly Overview", page 114](#)

⇒ ["1.2.5 Hydraulic Pump Oil Level Checking", page 116](#)

⇒ ["1.2.6 Hydraulic Cylinder Assembly Overview", page 117](#)

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1.2.1 Hydraulic System General Information

- ◆ The hydraulic system is self-bleeding and maintenance-free.
- ◆ After all work where the oil circuit was opened or parts of the hydraulic system were replaced, check oil level and fill according to the markings on the oil reservoir if necessary. Refer to ⇒ ["1.2.5 Hydraulic Pump Oil Level, Checking", page 116](#).

1.2.2 Clean Working Conditions



Caution

Hydraulic oil damages paint. Immediately remove any hydraulic oil that has come in contact with painted surfaces.

- ◆ Clean connecting points and surrounding areas before loosening.
- ◆ Place removed parts on a clean surface and cover. Use foil and paper. Do not use cloths with lint!
- ◆ Carefully cover or seal opened components if the repair will not be done immediately.
- ◆ Only install clean parts: remove replacement parts from the packaging immediately prior to installation.
- ◆ Place collecting container or foil and cloths under connections to be opened so that hydraulic oil does not come into contact with painted surfaces.
- ◆ Seal open hydraulic lines with cover caps to prevent hydraulic oil from leaking out.

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1.2.3 Hydraulic System, Filling and Bleeding



Note

- ◆ *The electro-hydraulic convertible top operation involves a closed hydraulic system. Generally, filling is necessary after a loss of oil (accident, leaks, etc.).*
- ◆ *Due to the lift and displacement effect of the pistons in the hydraulic cylinders, the hydraulic system must be filled when the convertible top is stored in the compartment.*
- ◆ *After filling, convertible top must then be moved several times using the electro-hydraulic operation.*
- ◆ *Then check the oil level again and correct if necessary.*



Caution

Do not fill system above "MAX" marking as the pressure in the system can become so great that damage can result.

1.2.4 Hydraulic System Assembly Overview



Caution

- ◆ ***Before working on the hydraulic system, the valve on the hydraulic pump must first be opened.***
- ◆ ***With all work where the hydraulic circuit must be opened, the corresponding seals must always be replaced.***

1 - Hydraulic cylinder

- ❑ Before removal, remove convertible top.
- ❑ Removing, refer to ⇒ ["1.2.6 Hydraulic Cylinder Assembly Overview", page 117](#)

2 - Hydraulic line

- ❑ Unclip hydraulic line to body -arrows-.

3 - Hydraulic pump housing

- ❑ To remove, remove bolts -4- and raise housing out of body.

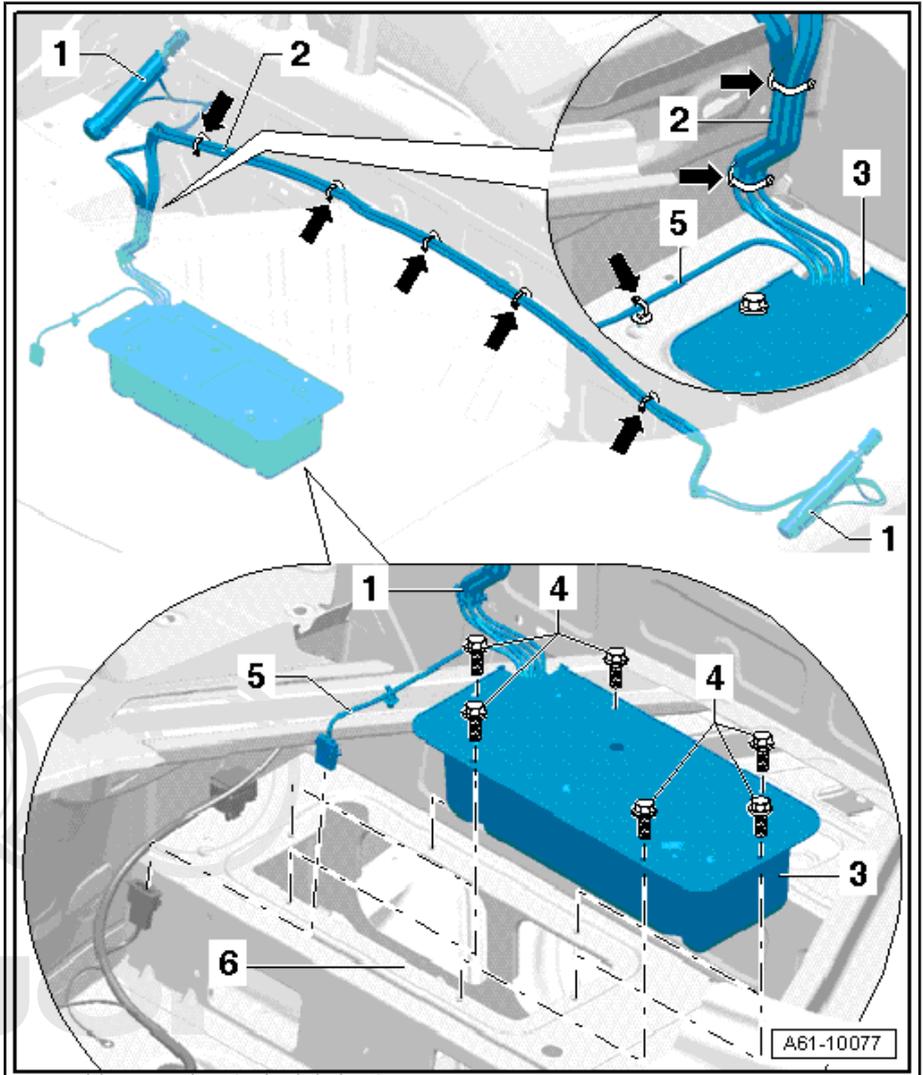
4 - Bolt

- ❑ 10 Nm

5 - Electric wire

- ❑ To remove hydraulic pump, disconnect at connector.

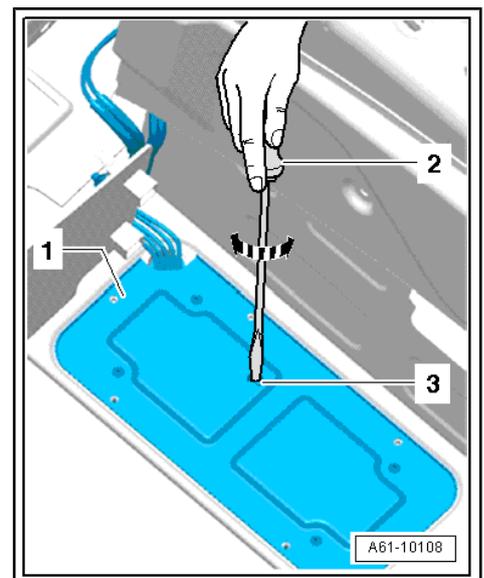
6 - Body crossmember



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Hydraulic Pump Valve

- Open hydraulic pump valve by rotating valve bolt 180° counterclockwise using a screwdriver -2- through the opening -3- in the pump housing cover -1-.
- When closing, tighten hydraulic pump valve bolt to 2 Nm.



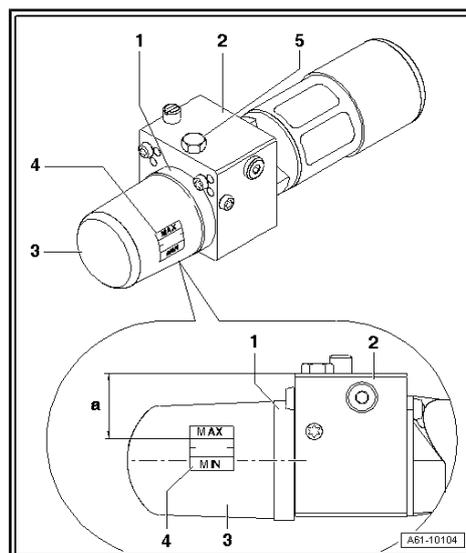
1.2.5 Hydraulic Pump Oil Level, Checking



Caution

To check oil level, convertible top must be stored in convertible top compartment.

- Hydraulic pump removed and placed on a level surface in luggage compartment.
- Oil level must be between both markings -4-, fill oil if necessary.
- Remove filler plug -5-
- Fill with oil until the level is between »Min« and »Max« markings.
- Install filler plug and tighten to 5 Nm.
- Operate convertible top electrically several times and check oil level again.



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1.2.6 Hydraulic Cylinder Assembly Overview

1 - Spring

- Connecting piece se-
curing spring

2 - Hydraulic line

- Supply

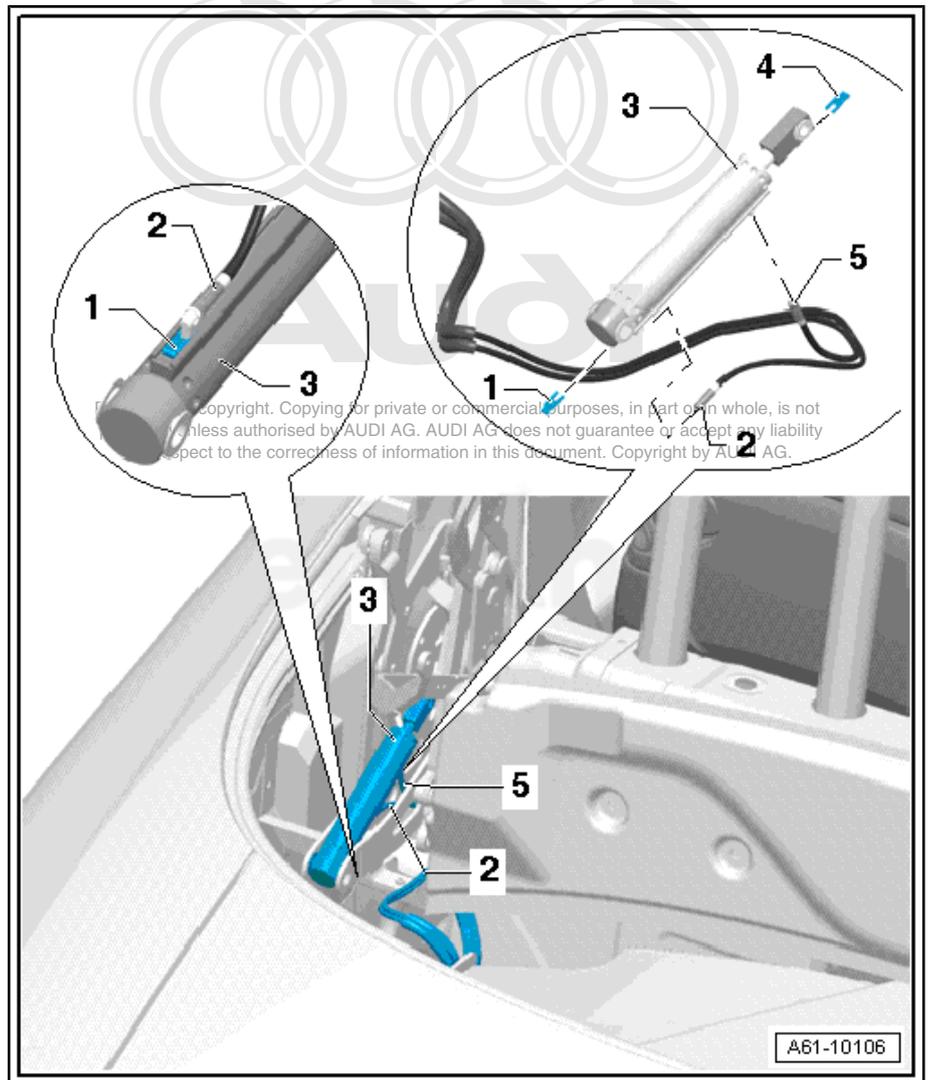
3 - Convertible top cylinder

4 - Spring

- Connecting piece se-
curing spring

5 - Hydraulic line

- Return





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2 Removal and Installation

⇒ ["2.1 Convertible Top", page 119](#)

⇒ ["2.2 Convertible Top Hydraulic System", page 148](#)

2.1 Convertible Top

⇒ ["2.1.1 Pump Housing", page 119](#)

⇒ ["2.1.2 Bracket Tensioning Strap", page 120](#)

⇒ ["2.1.3 Convertible Top", page 120](#)

⇒ ["2.1.4 Front Convertible Top Compartment Trim", page 122](#)

⇒ ["2.1.5 Bracket, Disengaging at Main Bearing", page 123](#)

⇒ ["2.1.6 Convertible Top Seals", page 124](#)

⇒ ["2.1.7 Convertible Top Frame Flap", page 125](#)

⇒ ["2.1.8 Convertible Top Compartment Trim", page 127](#)

⇒ ["2.1.9 Convertible Top Latch", page 128](#)

⇒ ["2.1.10 Convertible Top Cover", page 128](#)

⇒ ["2.1.11 Installing Convertible Top to VAS 6586", page 130](#)

⇒ ["2.1.12 Part Designations On Convertible Top Frame", page 131](#)

⇒ ["2.1.13 Roof Guide Stop", page 131](#)

⇒ ["2.1.14 Convertible Top Cover Tension Cable, Disengaging", page 132](#)

⇒ ["2.1.15 Tension Cable, Tightening", page 132](#)

⇒ ["2.1.16 Convertible Top Cover", page 133](#)

⇒ ["2.1.17 Convertible Top Cover Retaining Strips", page 134](#)

⇒ ["2.1.18 Guide Cable Mount on Roof Guide", page 135](#)

⇒ ["2.1.19 Rear Convertible Top Cover", page 136](#)

⇒ ["2.1.20 Headliner", page 136](#)

⇒ ["2.1.21 Headliner Retaining Strip on Bracket", page 138](#)

⇒ ["2.1.22 Bracket Tensioning Strap", page 139](#)

⇒ ["2.1.23 Headliner Tensioning Straps", page 139](#)

⇒ ["2.1.24 Rear Window Release Cable", page 141](#)

⇒ ["2.1.25 Water Tray", page 142](#)

⇒ ["2.1.26 Convertible Top Latch", page 143](#)

⇒ ["2.1.27 Convertible Top Lock", page 143](#)

⇒ ["2.1.28 Convertible Top Latch Motor", page 144](#)

⇒ ["2.1.29 Manual Convertible Top", page 145](#)

⇒ ["2.1.30 Latch Handle", page 145](#)

⇒ ["2.1.31 Convertible Top Latch Handle", page 146](#)

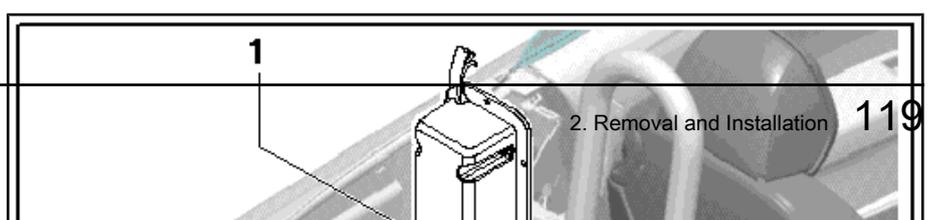
⇒ ["2.1.32 End Plate", page 147](#)

2.1.1 Pump Housing

Removing

1 - Pump housing

- Remove pump housing



from body crossmember -3-.

- Remove pump housing as shown upward out of opening in convertible top compartment base.
- Pump housing, installing, refer to ⇒ [“1.2.4 Hydraulic System Assembly Overview”, page 114](#)

2 - Convertible top compartment floor

3 - Body crossmember

2.1.2 Bracket Tensioning Strap

Removing

1 - Convertible top frame

2 - Bracket tensioning strap

- Before removing convertible, remove bolts -6-, release tensioning strap at retaining tabs and pull strap into convertible top compartment.
- If tensioning strap must be replaced, also remove bolts on bracket and remove retaining strip -4- with tensioning strap from bracket.
- When installing, first slide into convertible top compartment from below and engage at rear on retaining tabs.

3 - Bracket

- Removal ⇒ [page 123](#)

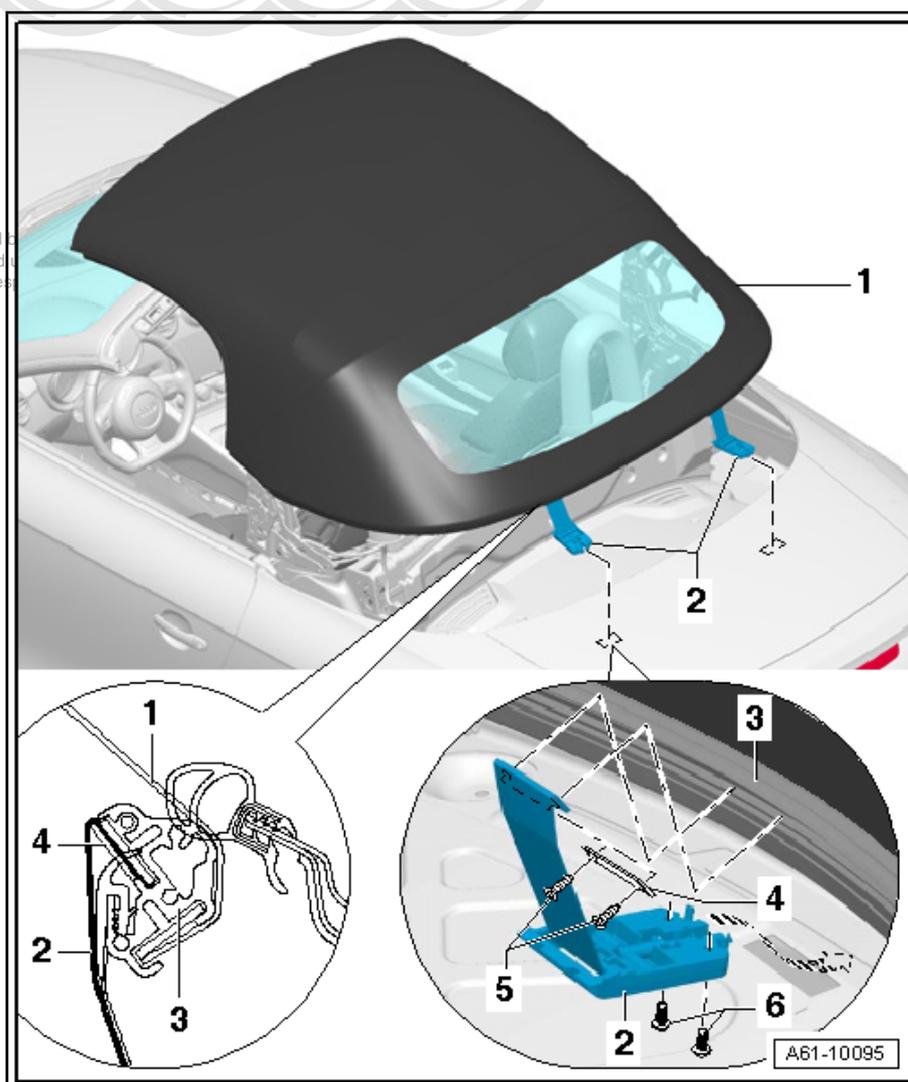
4 - Retaining strip

5 - Bolt

- 2 Nm

6 - Bolt

- 2 Nm



2.1.3 Convertible Top



Note

- ◆ *On the electro-hydraulic convertible top, convertible top movements are performed electrically during removal work.*
- ◆ *Therefore, connectors to cover motors and hydraulics should only be disconnected after the convertible top is stored in the compartment.*

Removing

- Remove all luggage compartment trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove rear panel trim behind seat. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove hydraulic pump reservoir cover from body (quantity: 6) and remove housing with hydraulic pump. ⇒ [page 119](#)
- Close convertible top.
- Remove tensioning straps under convertible top compartment and pull through compartment ⇒ [page 120](#) .
- Remove the front convertible top compartment trim.
- Store convertible top approximately halfway in compartment.
- Completely disengage convertible top compartment trim from bracket. Refer to ⇒ [“2.1.8 Convertible Top Compartment Trim”, page 127](#) .



Caution

- ◆ **Insert the side trim in the main bearing area between the outer wall and plastic strip.**
- ◆ **If the trim is not inserted, damage can occur when the convertible top is stored.**

- Unclip hydraulic lines from rear wall of convertible top compartment. Refer to ⇒ [“1.2.4 Hydraulic System Assembly Overview”, page 114](#) .



Note

When storing convertible top in compartment, press bracket down so that it doesn't get stuck on the compartment seal.

- Store convertible top in compartment completely.
- Remove left and right convertible top covers and disconnect motor. Refer to ⇒ [“2.1.7 Convertible Top Frame Flap”, page 125](#) .
- Disengage left and right bracket. Refer to ⇒ [“2.1.5 Bracket, Disengaging at Main Bearing”, page 123](#) .
- Disconnect electrical connector to hydraulic pump



Note

Before main bearing bolts are loosened, height adjusting bolt must be unscrewed as far as convertible top compartment base and the distance of the main bearing to the rear wall of the compartment must be measured. Refer to ⇒ [“1.1.6 Convertible Top, Adjusting”, page 110](#) .

- Remove bolts on left and right of main bearing
- Raise the convertible top at an angle toward the front up out of compartment while another person pulls the hydraulic pump through the floor in the convertible top compartment.
- Remove convertible top back from vehicle.

Installing

- Install in reverse order of removal.

2.1.4 Front Convertible Top Compartment Trim

Special tools and workshop equipment required

- ◆ Pry lever -80 - 200-

Removing

- Remove rear wall cover.
- Position convertible top or linkage removal flaps so that expanding clips -A- can be unclipped with -80 - 200- .



Note

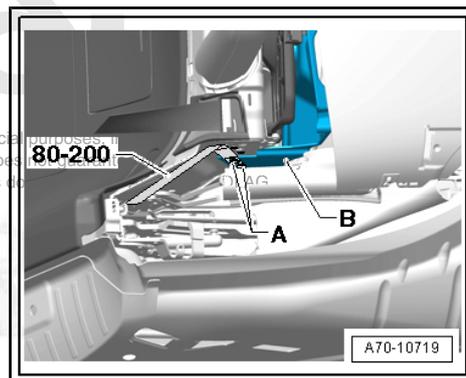
Protected by copyright. Copying for private or commercial use is not permitted unless authorised by AUDI AG. AUDI AG does not accept any liability with respect to the correctness of information in this document.

Secure expanding clips -A- against falling.

- Unclip remaining expanding clips and remove front convertible top compartment trim -B-.

Installation

Install in reverse order of removal.



2.1.5 Bracket, Disengaging at Main Bearing

Disengaging

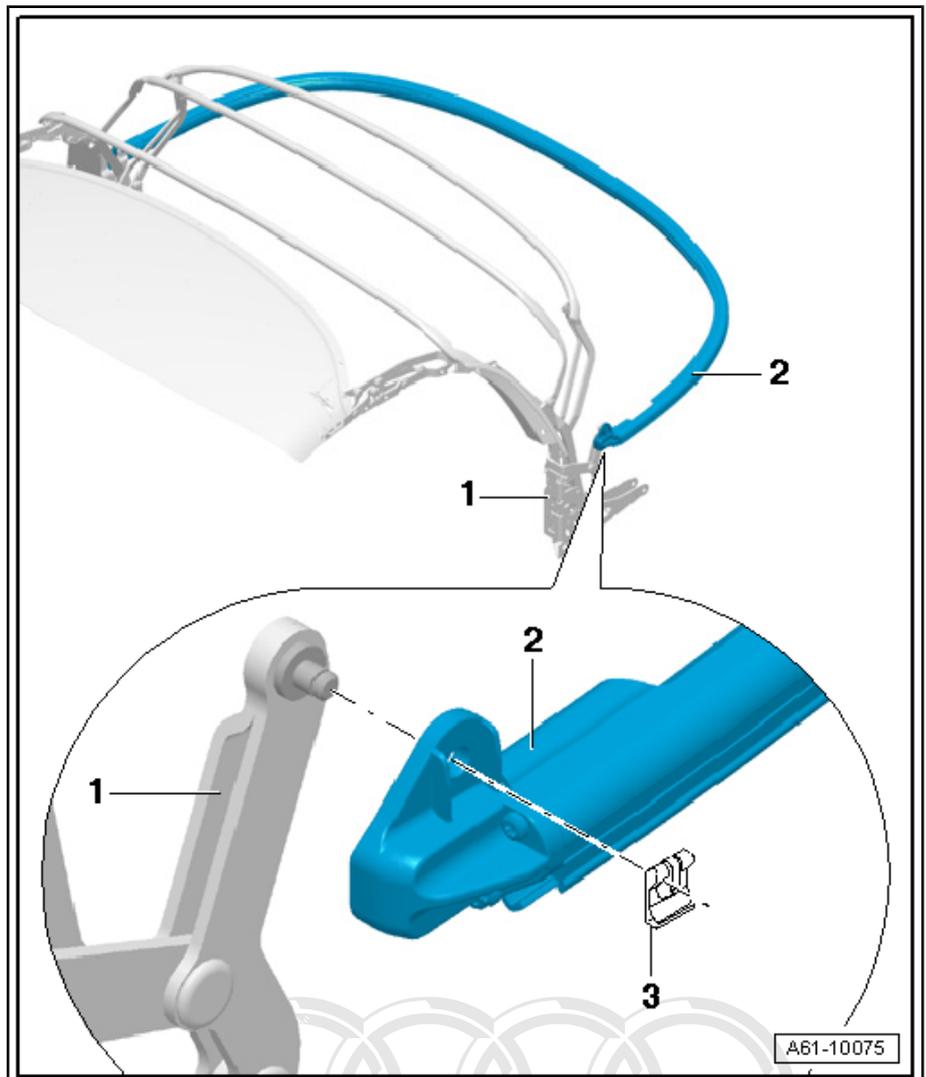
1 - Main bearing

2 - Bracket

- ❑ To remove, press securing spring sideways off pins and remove bracket sideways.

3 - Securing spring

- ❑ To install, slide on sideways as far as stop.



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erWin

2.1.6 Convertible Top Seals

1 - Washers

- May be used if necessary for side adjustment of seals.

2 - Bolt

- 3 Nm

3 - Rear guide hinge

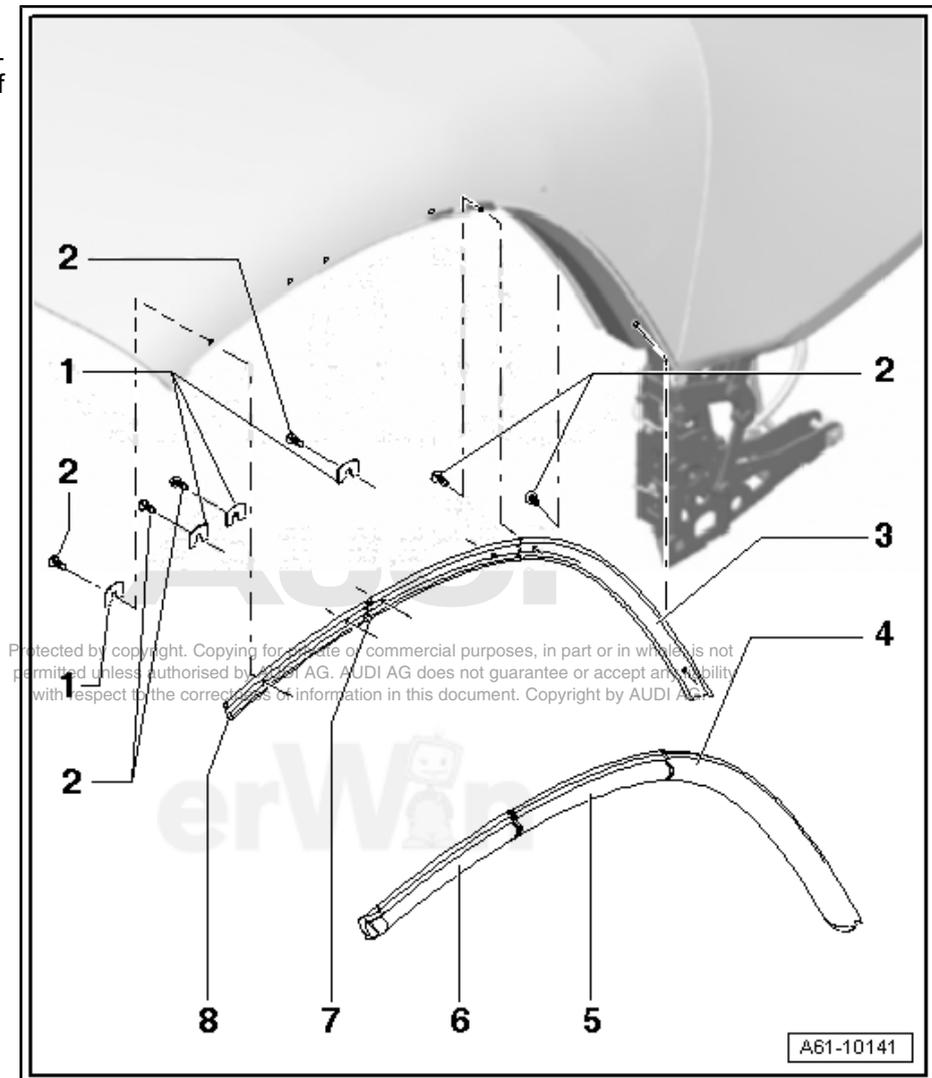
4 - Rear seal

5 - Center roof guide seal »2«

6 - Front roof guide seal »1«

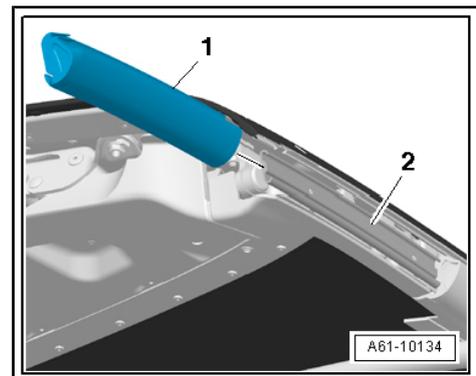
7 - Center guide rail for roof guide »2«

8 - Front guide rail for roof guide »1«



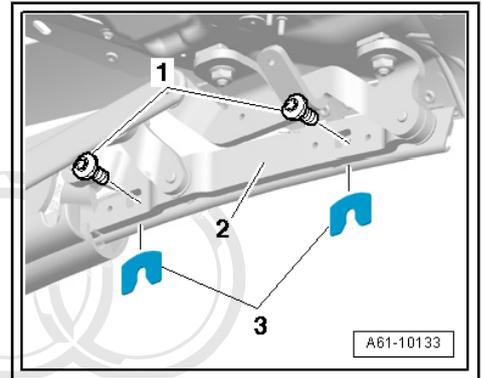
Seal, Removing

- Seals are slid into guide rails.
- To remove, remove from guide rails.
- For easier assembly, coat seal -1- with soapy solution if necessary and slide onto seal guide -2-.



Seal, Adjusting

- For side adjustment, slide in shims -3- between guide rails and convertible top guide -2- appropriate to the door window.
- Tighten bolts -1- on guide rails to the specification.



2.1.7 Convertible Top Frame Flap

1 - Trim

- Is clipped to flap.
- Flap, releasing, refer to [⇒ page 126](#)

2 - Convertible top frame cover

- To adjust, loosen bolts -4- on body and adjust flap so it is flush with convertible top.
- Height adjustment to side panel [⇒ page 126](#)
- Panel gap dimensions [⇒ page 126](#)

3 - Push rod

 **Caution**

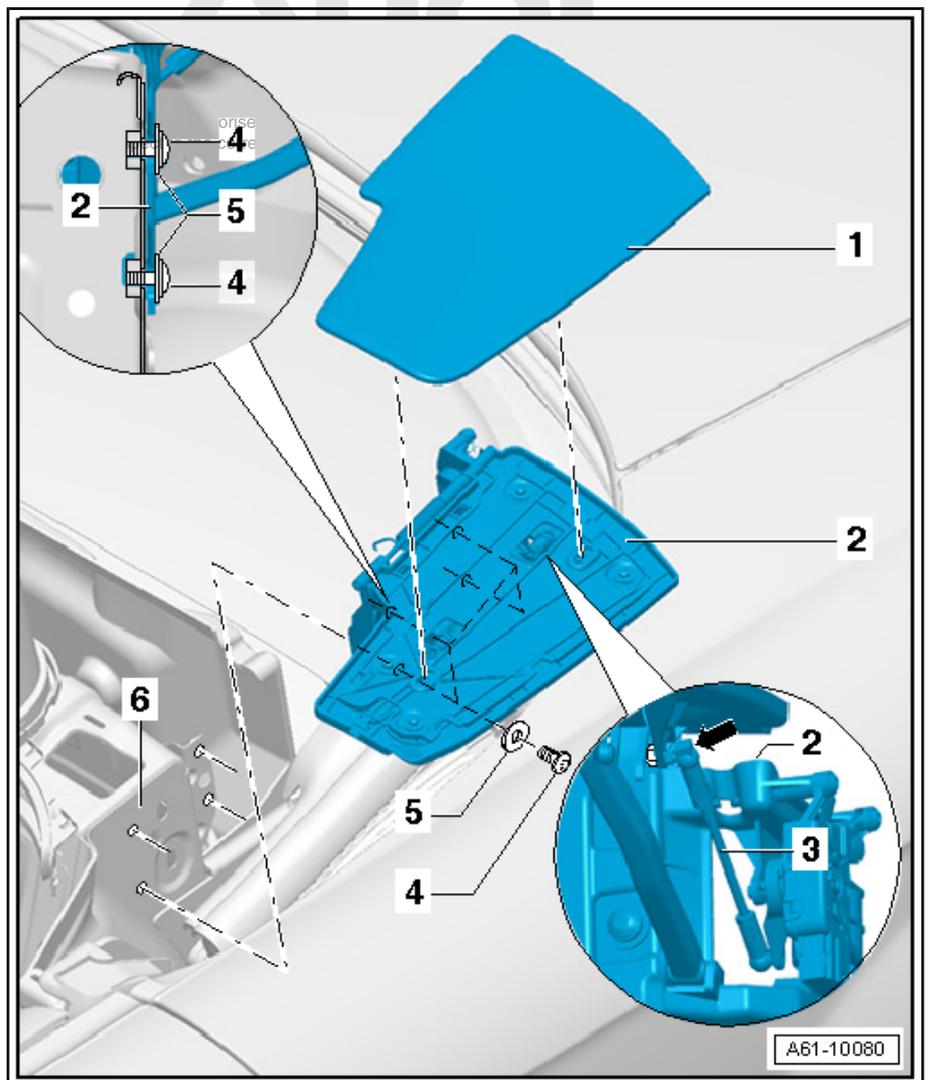
During convertible top emergency operation, push rod must first be disconnected at upper ball stud -arrow- and valve bolt on hydraulic pump [⇒ page 115](#) must be opened.

4 - Bolt

- 5 Nm

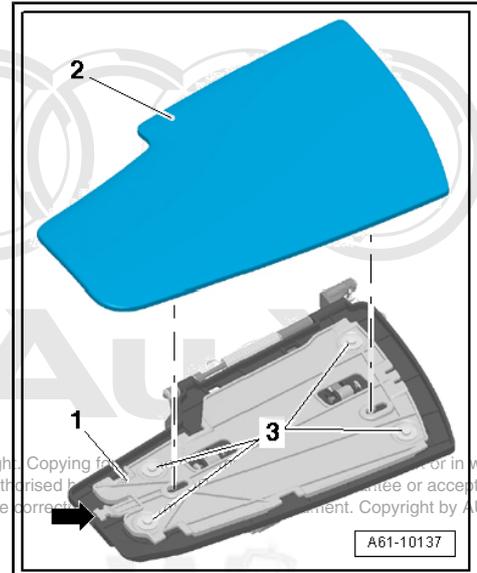
5 - Window

6 - Body flange



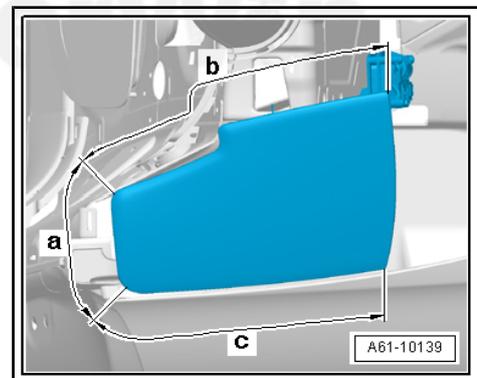
Flap Trim, Disengaging

- Using a small screwdriver, for example, press retainer -arrow- down and slide trim -2- back away from flap -1-.
- For side adjustment to flap, loosen bolts -3- and slide flap carrier -1- according to gap dimensions.



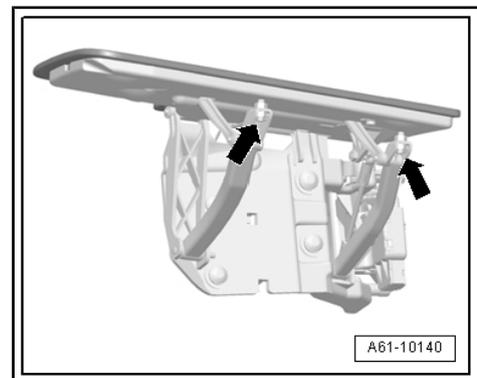
Flap Gap Dimensions

- ◆ Dimension »a« = 3.6 mm
- ◆ Dimension »b« = 3.6 mm
- ◆ Dimension »c« = 3.6 mm



Height Adjustment to Side Panel

- Height to side panel is adjusted using adjusting screws -arrows-.



2.1.8 Convertible Top Compartment Trim

1 - Rear convertible top compartment trim

- To remove, first disengage upward all around from the bracket and insert between the outer wall and plastic strip.

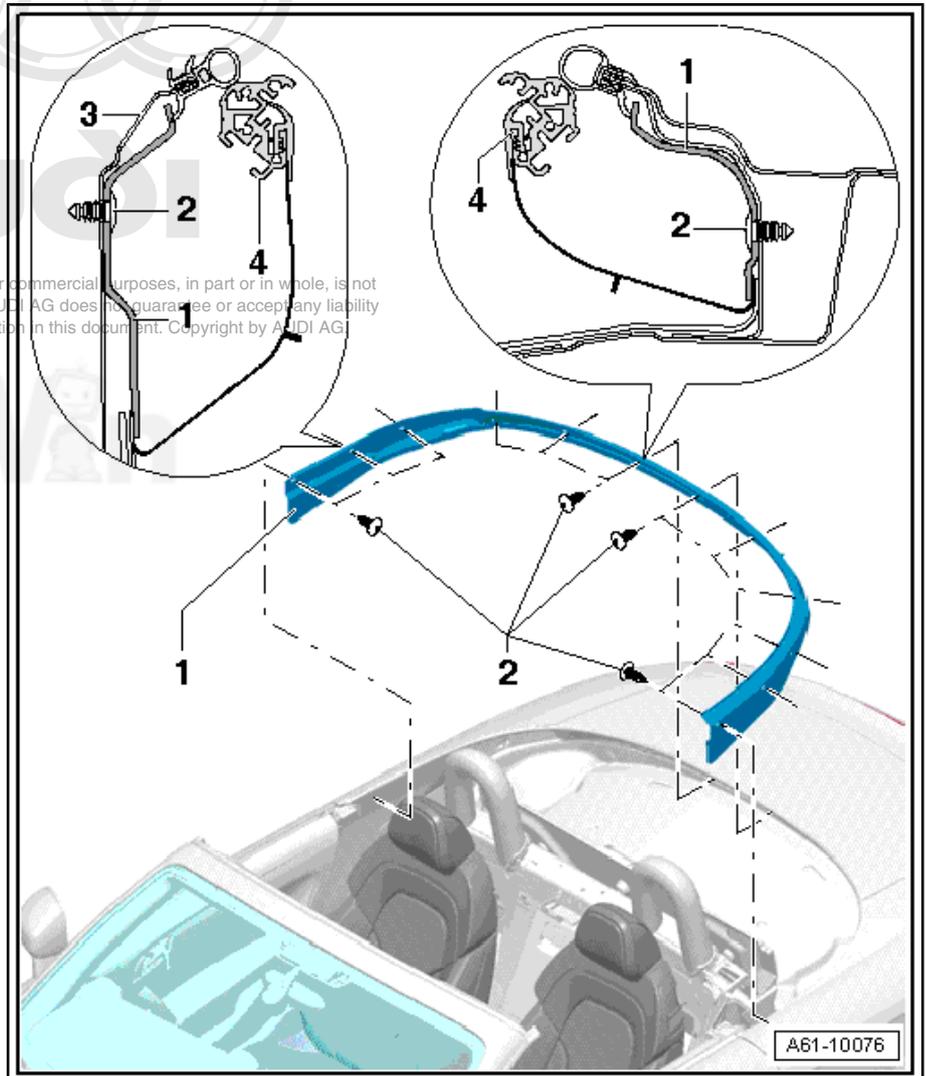


2 - Clip

- Quantity: 12

3 - Body flange

4 - Bracket



2.1.9 Convertible Top Latch

Front Cover, Removing

1 - Right roof guide rear trim
 »2«

2 - Right roof guide front trim
 »1«

3 - Bolt
 2.5 Nm

4 - Front cover
 Remove bolts -8- on front cover.

Only on manual convertible top.

Remove latch handle
 => [page 145](#).

Unclip cover -9-.

Remove cover forward out of latches.

5 - Left roof guide front trim »1«

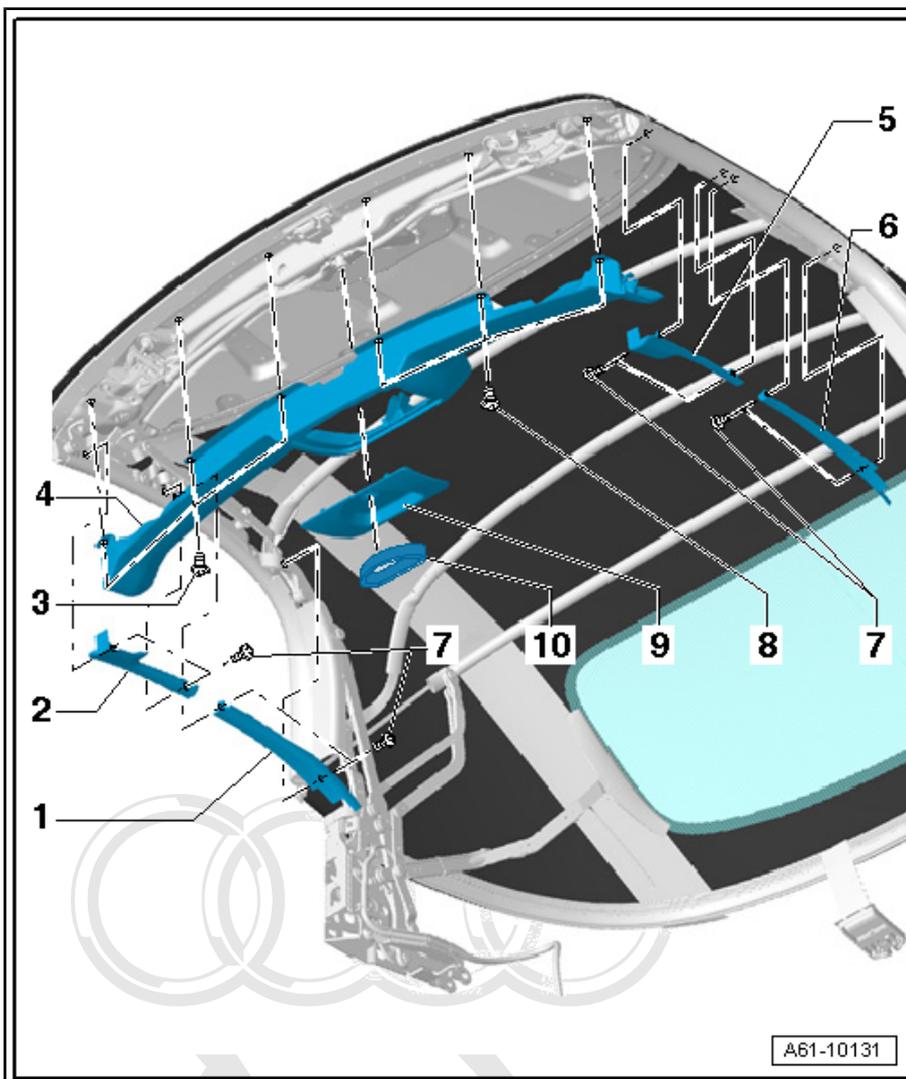
6 - Left roof guide rear trim »2«

7 - Bolt
 2.5 Nm

8 - Bolt
 2.5 Nm

9 - Cover
 Only on manual convertible top.

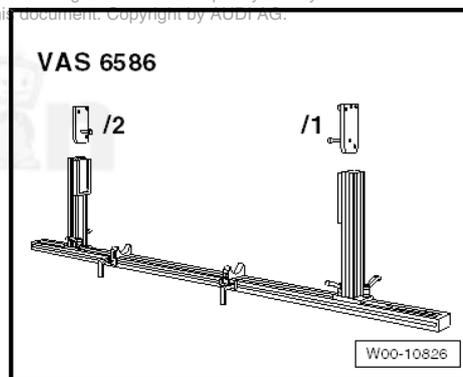
10 - Handle
 Only on manual convertible top latch.



2.1.10 Convertible Top Cover

Special tools and workshop equipment required

- ◆ Convertible top bracket -VAS 6586-

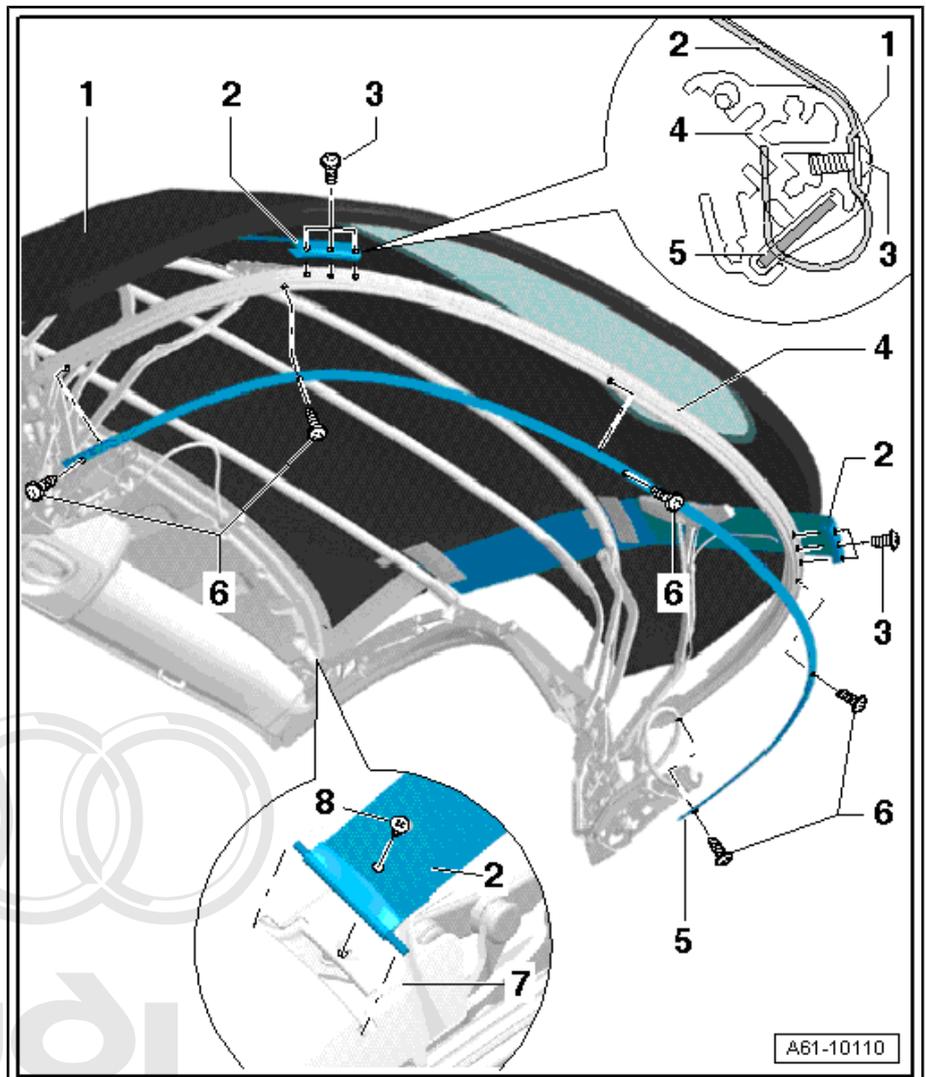


- ◆ Scissor lift table -VAS 6131 A-

 Note

- ◆ The -VAS 6586- can be secured via the bore holes in the crossmember to the -VAS 6131 A- or a workbench.
- ◆ For the convertible top to be in the installation position, it must be secured to the main bearing via threaded holes »A; B; C; D and E« of the mounting plates. => [page 130](#)
- ◆ First, screw the mounting plates slightly onto the main bearing.
- ◆ Insert the convertible top with the mounting plates into the -VAS 6586- and tighten the screws on the main bearing.
- ◆ For proper functioning, the hydraulic pump must be placed with the oil reservoir and hydraulic pump motor in the half shells on the crossmember.

- 1 - Convertible top cover
- 2 - Rail tensioning strap
- 3 - Bolt
□ 2.5 Nm
- 4 - Bracket
- 5 - Retaining strip
- 6 - Bolt
□ 3 Nm
- 7 - Front rail
- 8 - Bolt
□ 1.5 Nm



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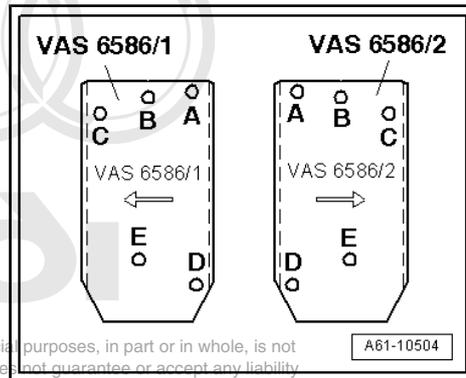
2.1.11 Installing Convertible Top to VAS 6586

Clamping



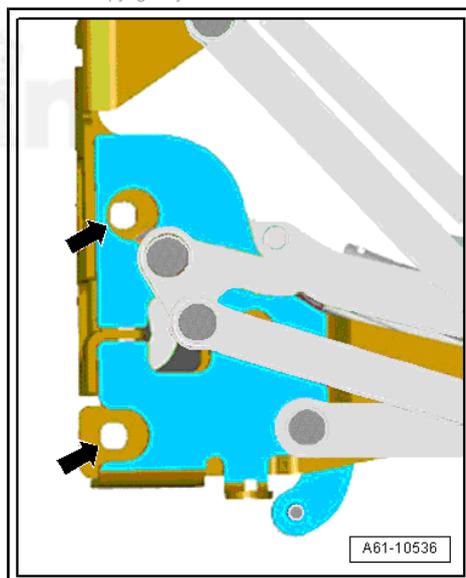
Note

- ◆ Lightly secure both mounting plates with mounting points -B- and -E- on the main bearing.
- ◆ The arrows must point forward in the direction of travel.



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- Lightly secure the main bearing on the left and right with the bore holes shown in the figure -arrows- to the mounting plates via mounting points -B- and -E-.
- Insert the convertible top with the mounting plates into the mounts on the -VAS 6586- from above.
- Tighten the screws on the main bearing.



2.1.12 Part Designations On Convertible Top Frame



These parts designations are used in the description

1 - Rail »1«

- Fixed rail

2 - Rail »2«

- Rotatable rail

3 - Rail »3«

- Guided rail

4 - Rear window guide

5 - Rail tensioning strap

6 - Bracket tensioning strap

7 - Bracket

8 - Hydraulic pump housing

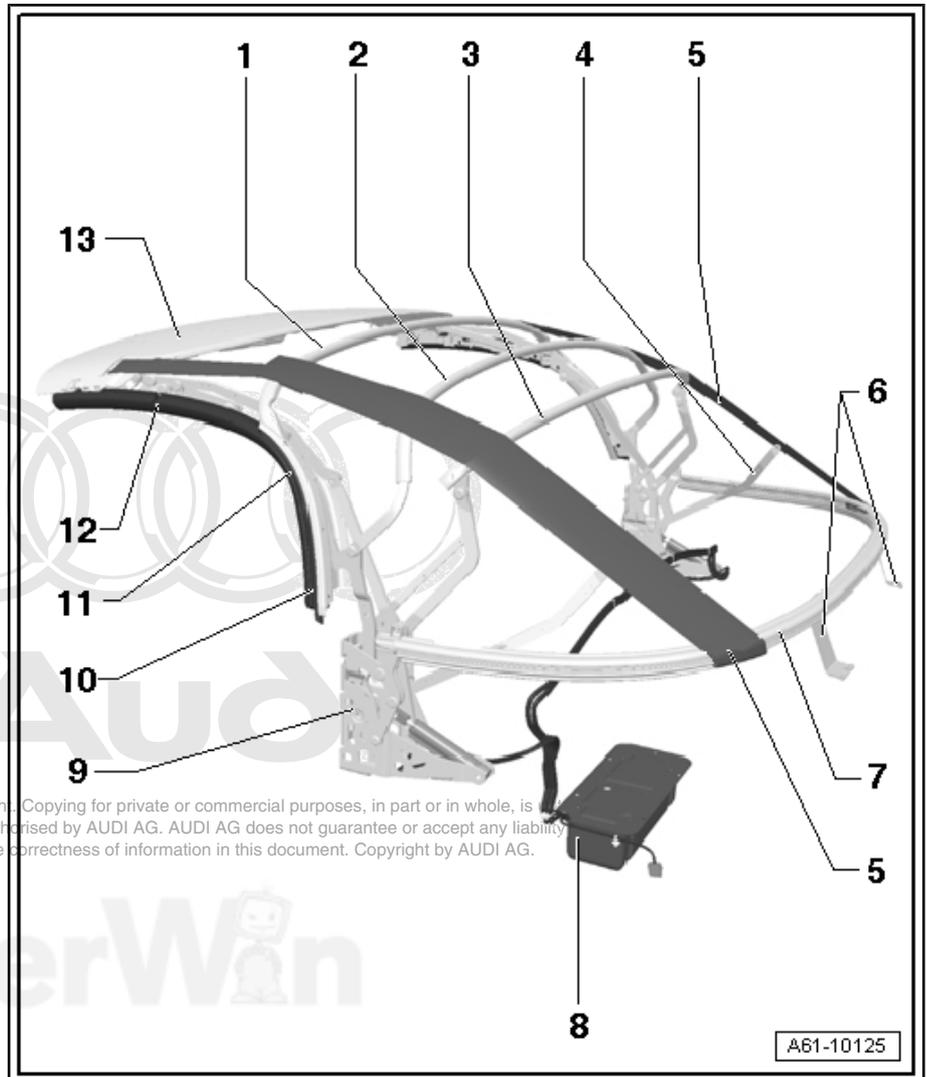
9 - Main bearing

10 - Angle bracket for rear guide rail

11 - Roof guide »2«

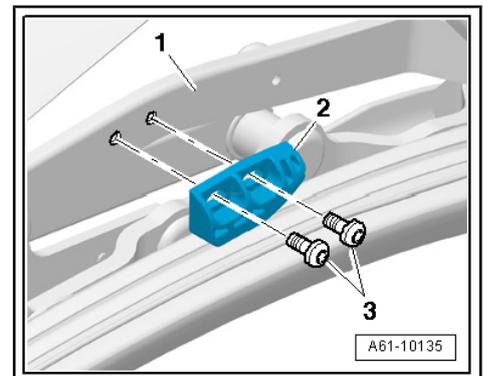
12 - Roof guide »1«

13 - Front rail



2.1.13 Roof Guide Stop

- Secure stop -2- with bolts -3- to roof guide -1- and tighten to 2 Nm.



2.1.14 Convertible Top Cover Tension Cable, Disengaging

1 - Front rail

2 - Tension cable

- ❑ First disengage tension cable at spring.
- ❑ Disengage tension cable at front rail and remove back from convertible top cover.

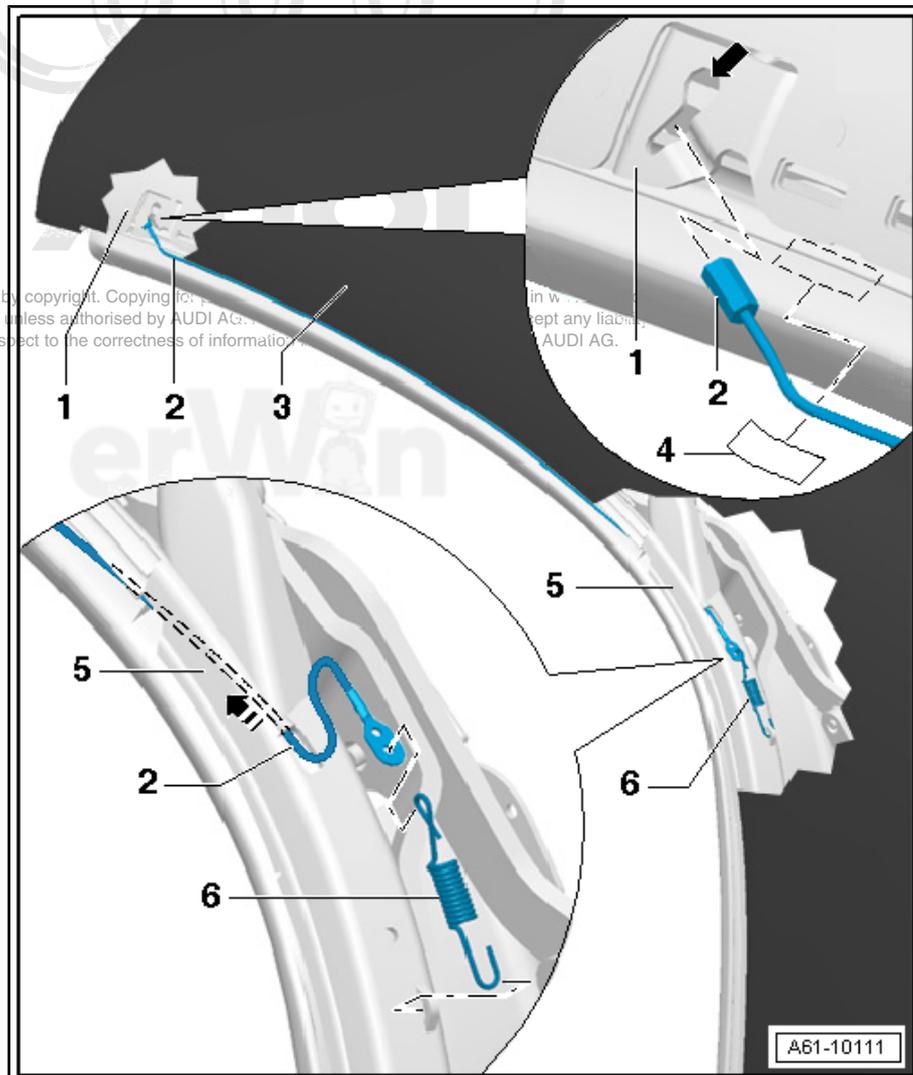
3 - Convertible top cover

4 - Adhesive tape

- ❑ After installing the tension cable, tape it over with adhesive tape as shown for noise insulation.

5 - Main guide

6 - Spring



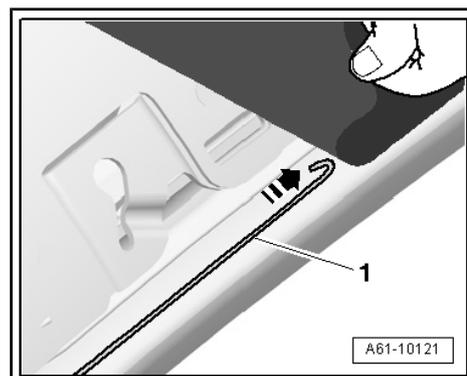
2.1.15 Tension Cable, Tightening



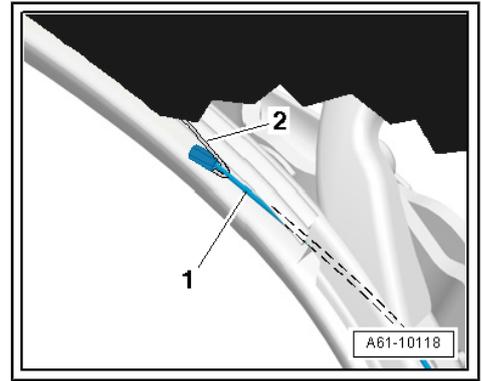
Note

Make a hook from welding wire to help tighten the tension cable.

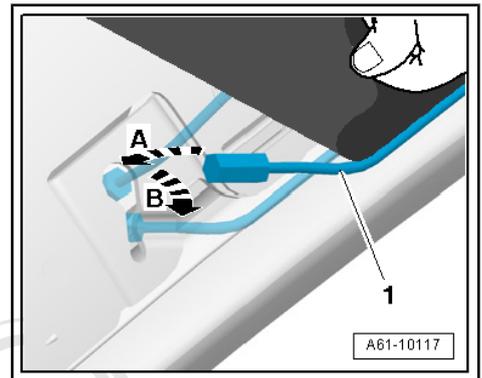
- With manual convertible top cover, slide hook -1- up into pocket, or with automatic convertible top, in direction of arrow between cover and insulation.



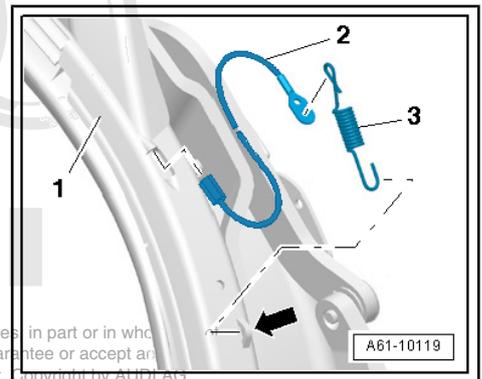
- Engage the tension cable in the hook as shown and pull forward.



- Engage tension cable nipple -1- in front rail



- Engage spring -3- in eyes -arrow- on main guide -1- and rear tension cable -2-.



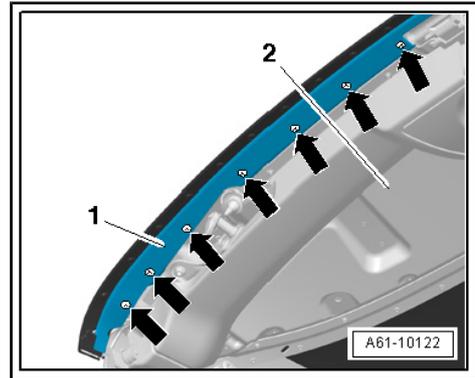
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2.1.16 Convertible Top Cover

Removing

- Convertible top compartment cover trim disengaged from bracket. Refer to [⇒ "2.1.8 Convertible Top Compartment Trim", page 127](#)
- Front cover removed [⇒ page 128](#)
- Convertible top headliner removed [⇒ "2.1.20 Headliner", page 136](#)

- Remove bolts -arrows- on front rail -2- and remove front rail retaining strip -1-.



2.1.17 Convertible Top Cover Retaining Strips

Note

- ◆ Only on vehicles with electro-hydraulic convertible top.
- ◆ On vehicles with manual convertible top, plastic retaining rails must be removed from rails.

1 - Guide cable

- To remove cover, remove guide cable on both sides from roof guide »2« => [page 135](#) .

2 - Bolt

- 2.5 Nm

3 - Guide retaining strip »1«

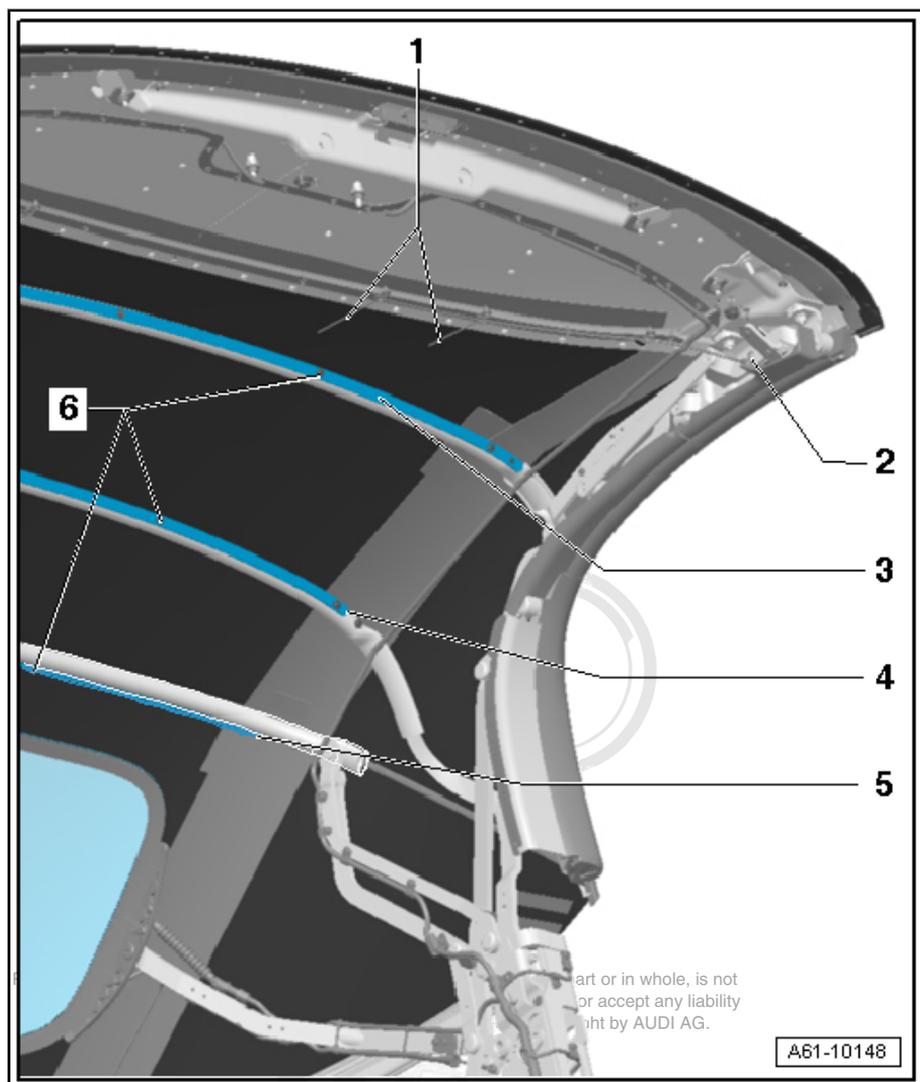
- Retaining strips for rails 1, 2 and 3 are removed to remove cover.

4 - Guide retaining strip »2«

5 - Guide retaining strip »3«

6 - Bolt

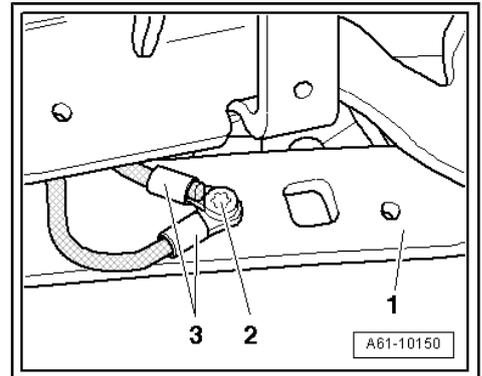
- 2 Nm



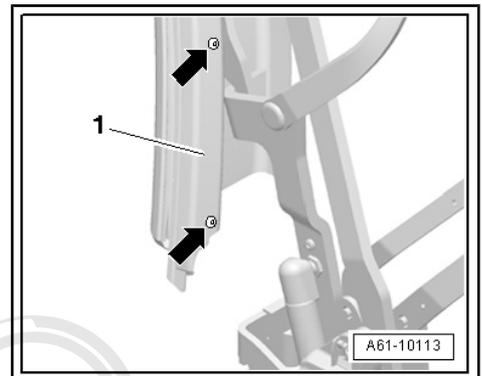
2.1.18 Guide Cable Mount on Roof Guide

Guide Cable Mount on Roof Guide »2«

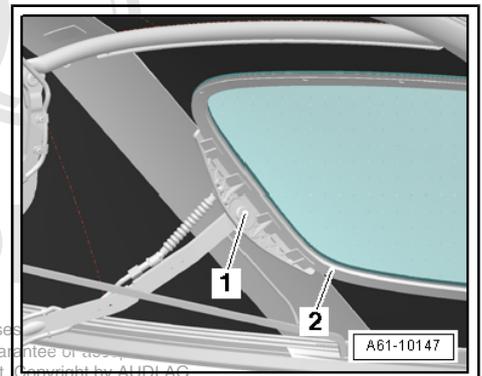
- To remove cover, remove bolt -2- for guide cable -3- on roof guide »2« -1-.
- Loosen all tension cable threaded connections and tensioning straps for securing cover.
- Remove cover retaining strips at rails.



- On angle bracket -1-, drill out rivet heads -arrows- for securing the cover and drive out rivet shafts.

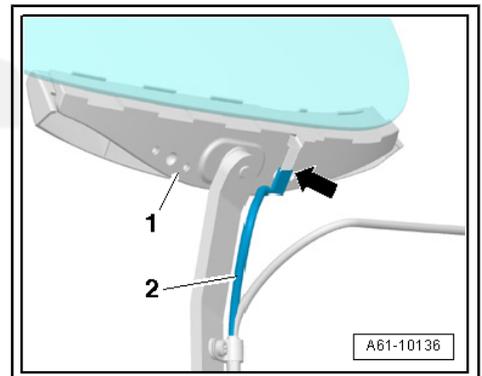


- Remove rear window securing screw -1-
- Tighten to 6 Nm when installing
- Loosen the screw on the upper release cable on the rear window and detach the release cable.



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- Disconnect window defroster wire at connection -arrow-.



2.1.19 Rear Convertible Top Cover

Removing

1 - Retaining strip

- No replacement part, part of the convertible top headliner delivery package.

2 - Convertible top headliner

- Removed

3 - Bracket

- Disengage convertible top cover assembly bracket on convertible top frame.

4 - Bolt

- 2.5 Nm

5 - Convertible top cover

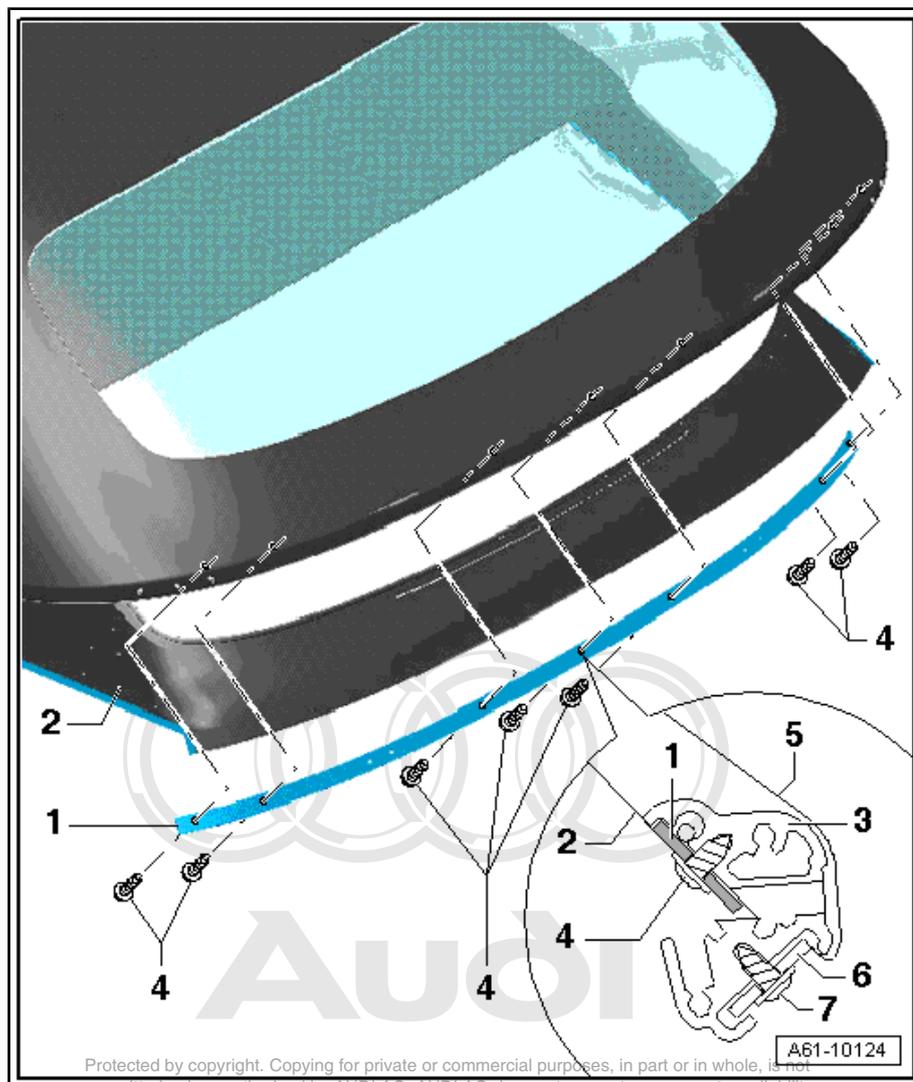
-
- Drill out rivet heads on the angle bracket and pull out the main guide with cover.
- Remove bolts on retaining strip -6- and remove from convertible top frame.

6 - Retaining strip

- No replacement part, part of the convertible top cover delivery package.

7 - Bolt

- 3 Nm



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Installing

- Install in reverse order of removal.

2.1.20 Headliner



Note

The headliner is removed with the convertible top installed.

Front Headliner

1 - Front convertible top headliner

- Front trim removed.
- Front cover removed
⇒ [page 128](#)
- To remove, remove bolts -4-.

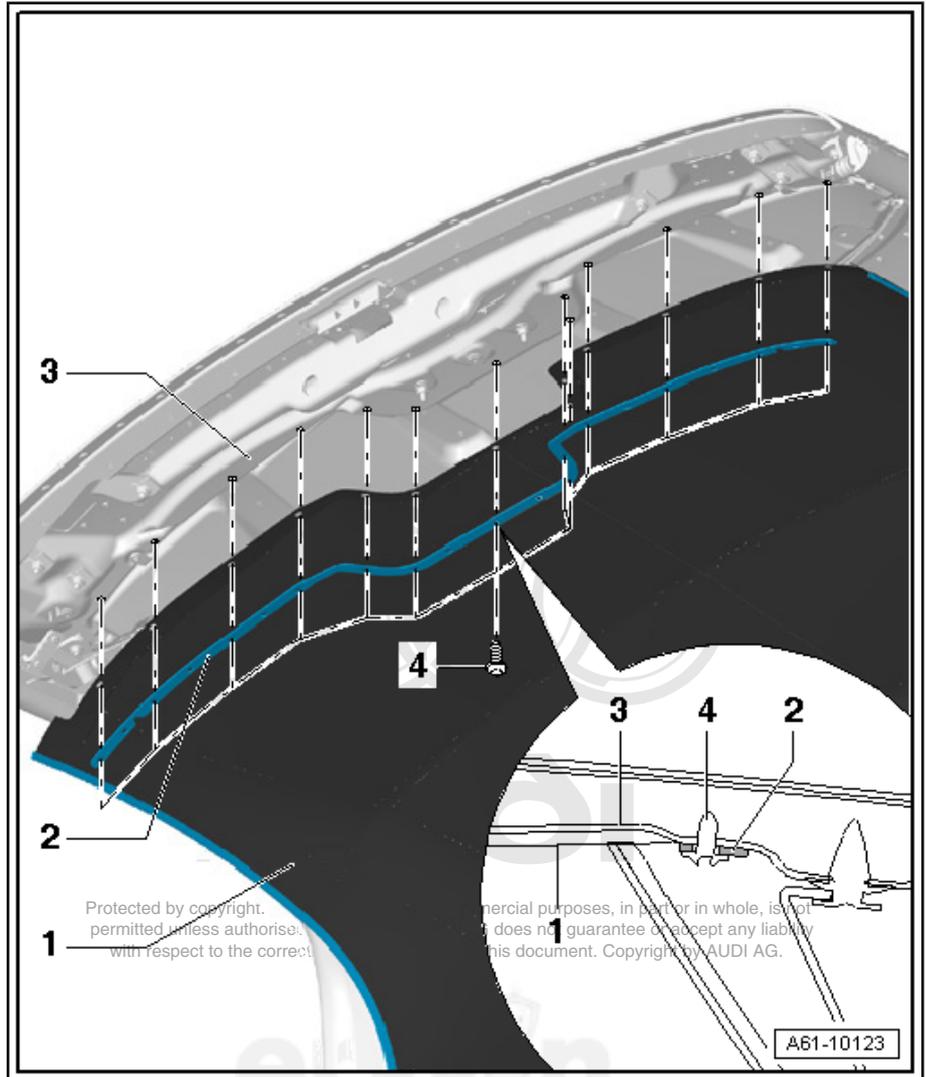
2 - Retaining strip

- Removed

3 - Convertible top front rail

4 - Bolt

- 1.5 Nm



Rear Headliner

 **Note**

In the case of a new convertible top headliner, missing outer holes must be replaced by the retaining strip.

1 - Retaining strip

- ❑ Retaining strip with tensioning strap removed.
- ❑ No replacement part, part of the convertible top headliner delivery package.

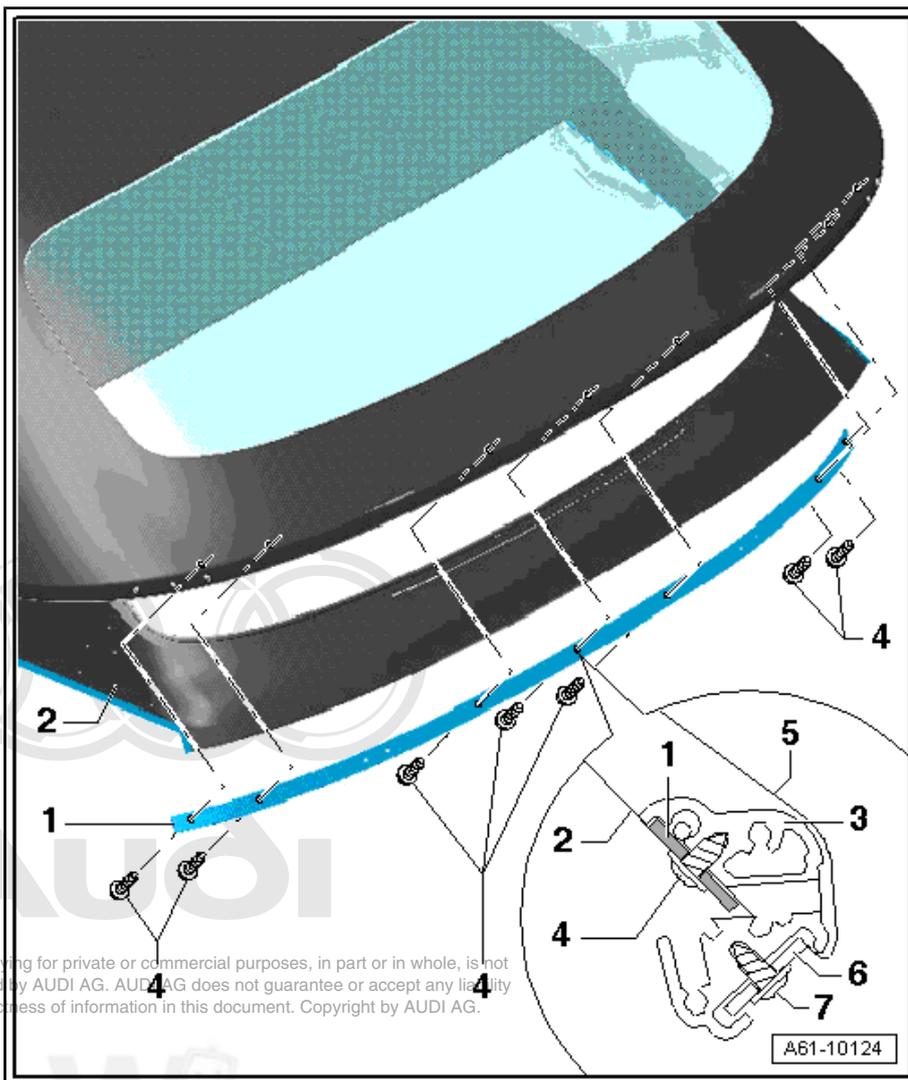
2 - Rear convertible top headliner

- ❑ The convertible top headliner is secured all around to the rear window with Velcro strip.
- ❑ To remove, pull from the rear window.

3 - Bracket

4 - Bolt

- ❑ 2.5 Nm



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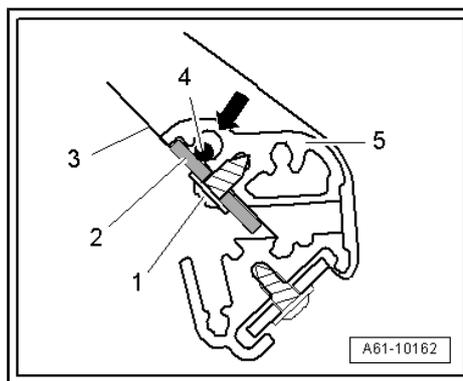
2.1.21 Headliner Retaining Strip on Bracket

Installing



Caution

- ◆ *The bracket has two grooves.*
- ◆ *The heating element cable for the rear window heater must be routed in the upper groove.*
- ◆ *The screws for securing the retaining strip must be screwed into the lower groove.*



- Rear window heater cable -4- must be routed in the upper groove -arrow- on bracket -5- as shown.
- Secure retaining strip -2- for convertible top headliner -3- with screws -1- in the lower groove.

2.1.22 Bracket Tensioning Strap

Removing

1 - Convertible top

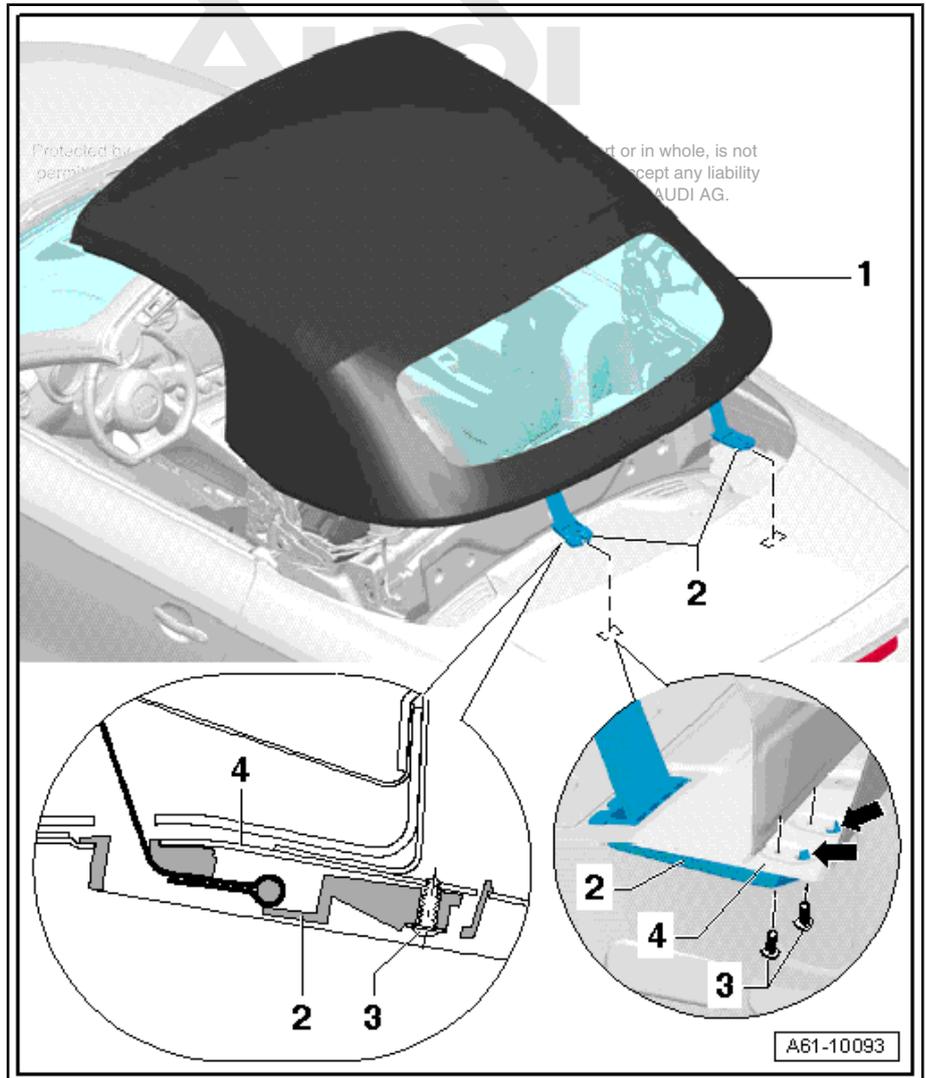
2 - Bracket tensioning strap

- Remove bolts -3- and pull tensioning strap through into convertible top compartment.

3 - Bolt

- 2 Nm

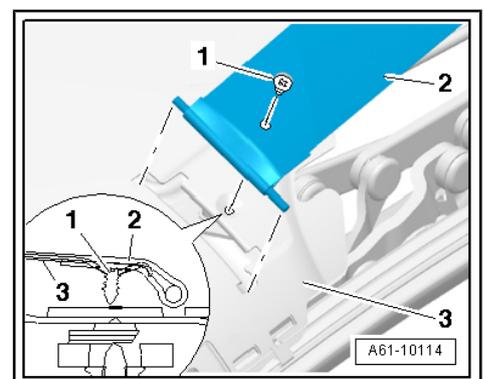
4 - Convertible top compartment



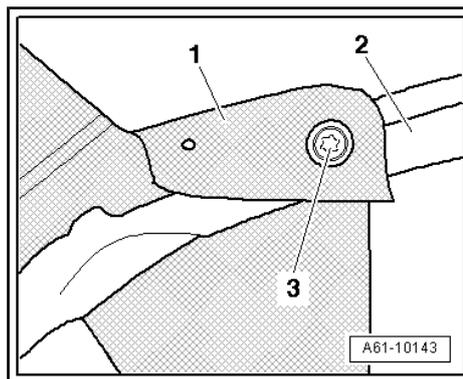
2.1.23 Headliner Tensioning Straps

Removing

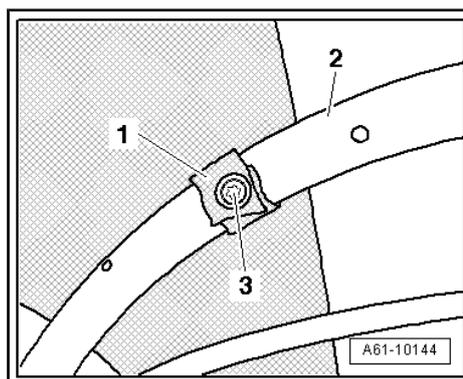
- Remove bolts -1- on front rail -3-.
- Pull tensioning strap -2- forward out of retainer and remove upward from front rail.



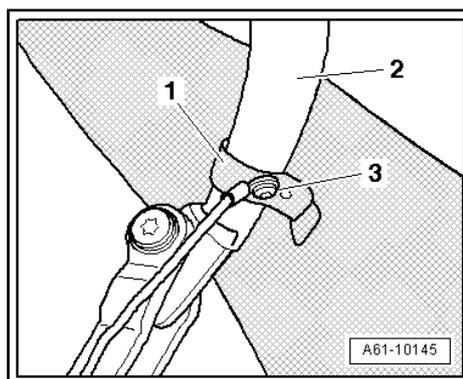
- Remove retainer bolts on tensioning strap from rail »1« as shown.



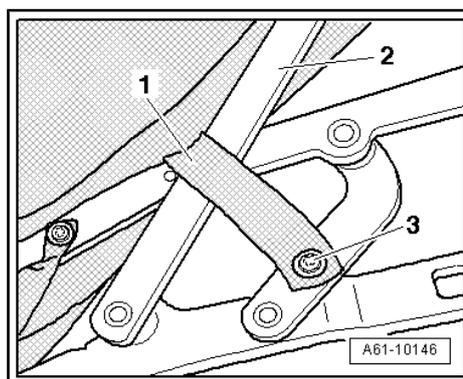
- Remove retainer bolts on tensioning strap from rail »2«.



- Remove retainer bolts on tensioning strap from rail »3«.



- Remove bolt -3- on guide strap -1- as shown on roof guide »2«.



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2.1.24 Rear Window Release Cable

Removing

1 - Rear Window

- No replacement part

2 - Rear window release

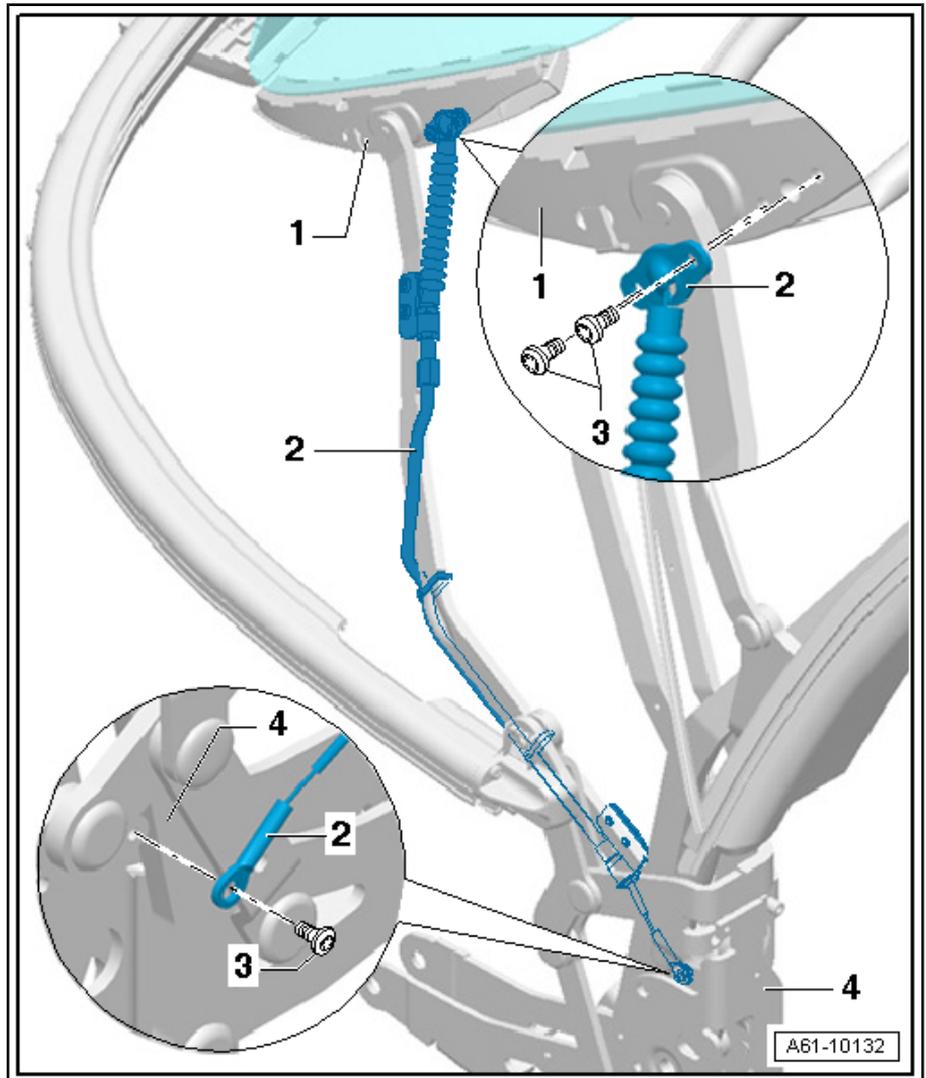
- When removing convertible top cover, disconnect release at upper rear window.



3 - Bolt

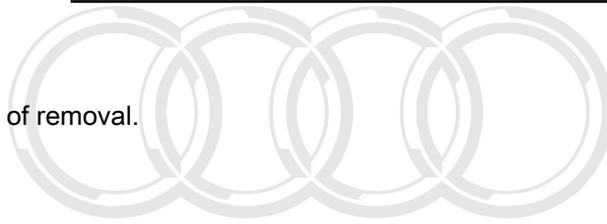
- 2 Nm

4 - Main bearing



Headliner, installing

- Install in reverse order of removal.


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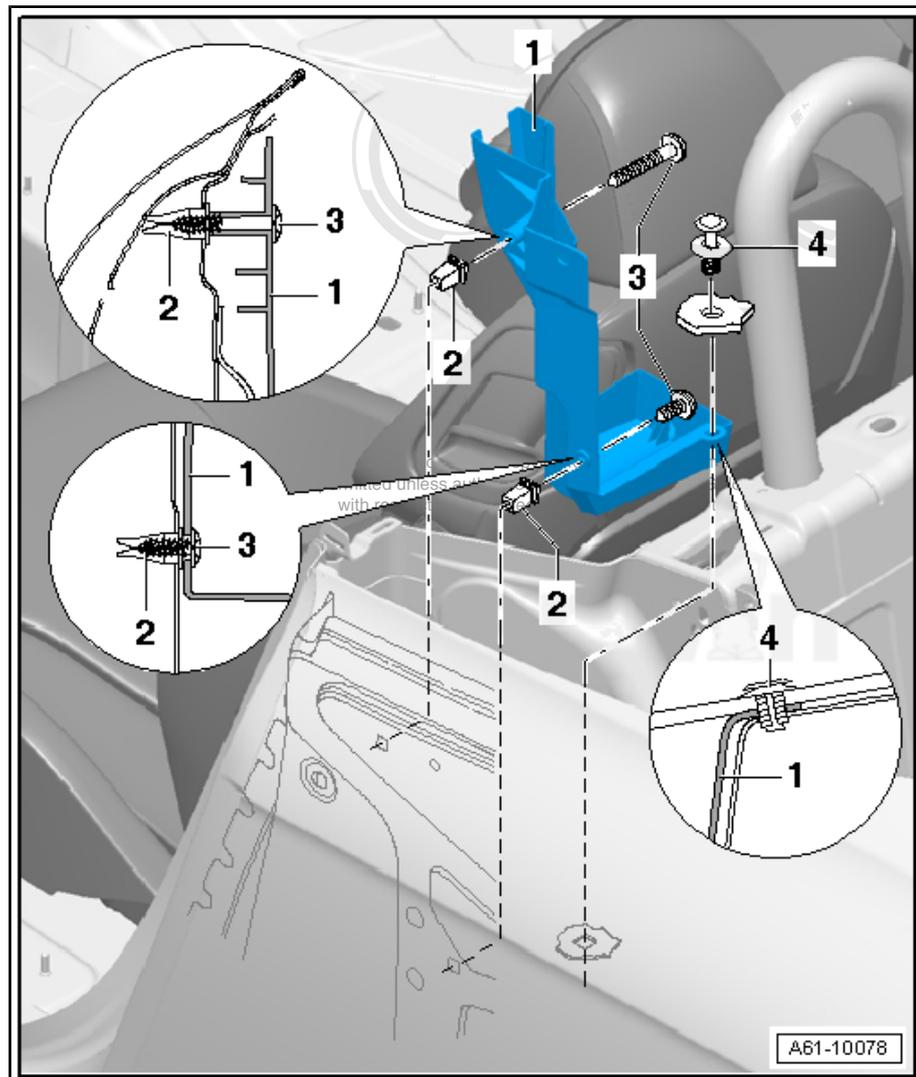
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2.1.25 Water Tray

Removing

- 1 - Water tray
- 2 - Clip
- 3 - Bolt
□ 2 Nm
- 4 - Expanding clip



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2.1.26 Convertible Top Latch

Removing

- Front cover removed.

1 - End plate

2 - Nut

- 9 Nm

3 - Convertible top lock

- The locks on the convertible top are preset above the locking rods and do not need to be adjusted.

4 - Convertible top

5 - Bolt

- 9 Nm

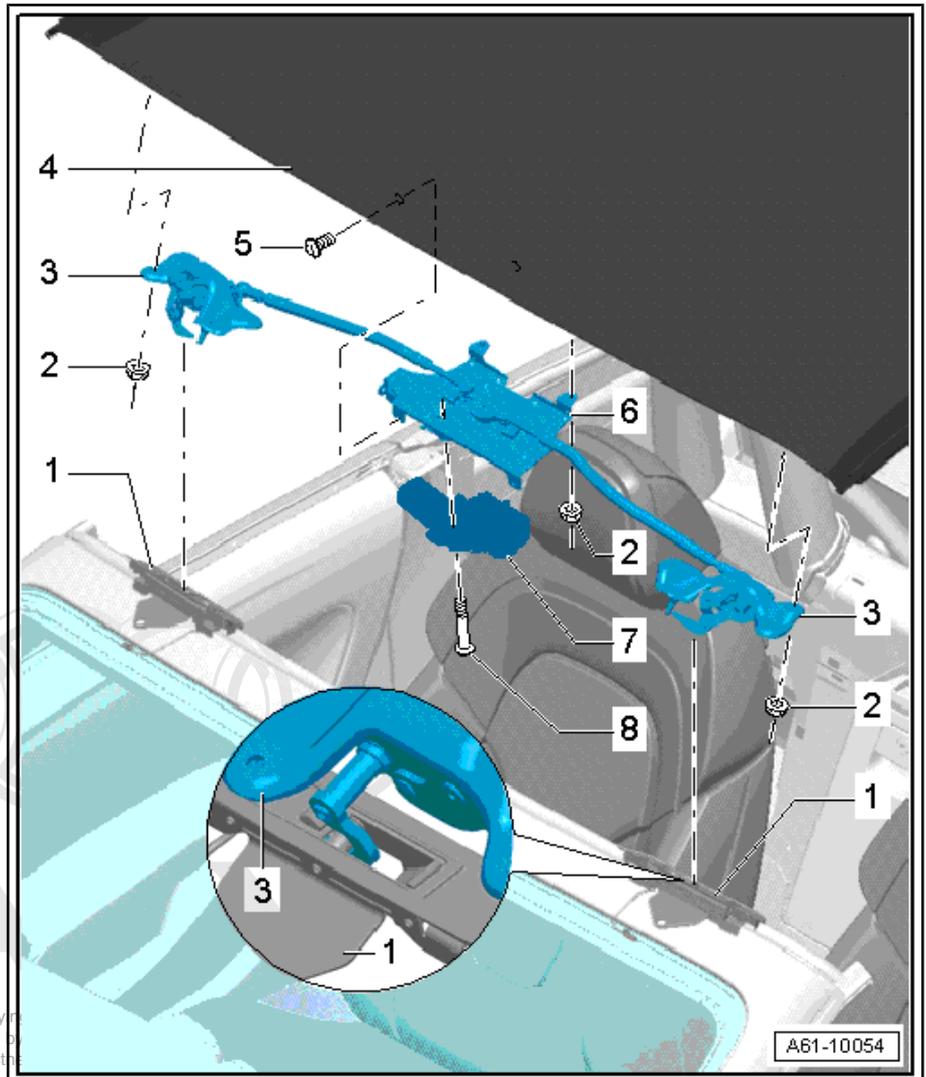
6 - Convertible top latch

7 - Convertible top latch motor

- Removal ⇒ [page 144](#)

8 - Bolt

- 10 Nm



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2.1.27 Convertible Top Lock

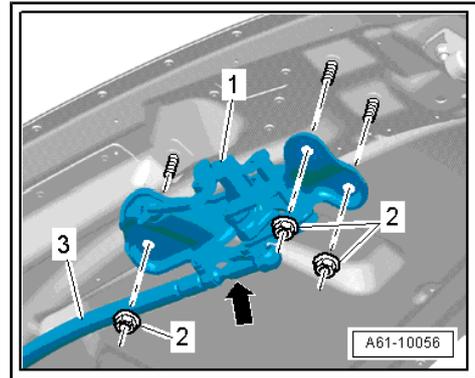
Removing



Note

- ◆ Shims with different inner diameters are located between the convertible top lock and front rail.
- ◆ The first shim for the front rail must have the largest inner diameter.

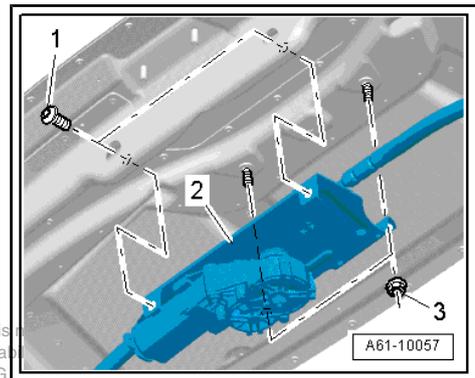
- Front trim removed.
- Remove nuts and remove convertible top lock with linkage.



2.1.28 Convertible Top Latch Motor

Removing

- Roof crossmember trim removed.
- Remove bolts -1- and nuts -3- on convertible top latch -2-.

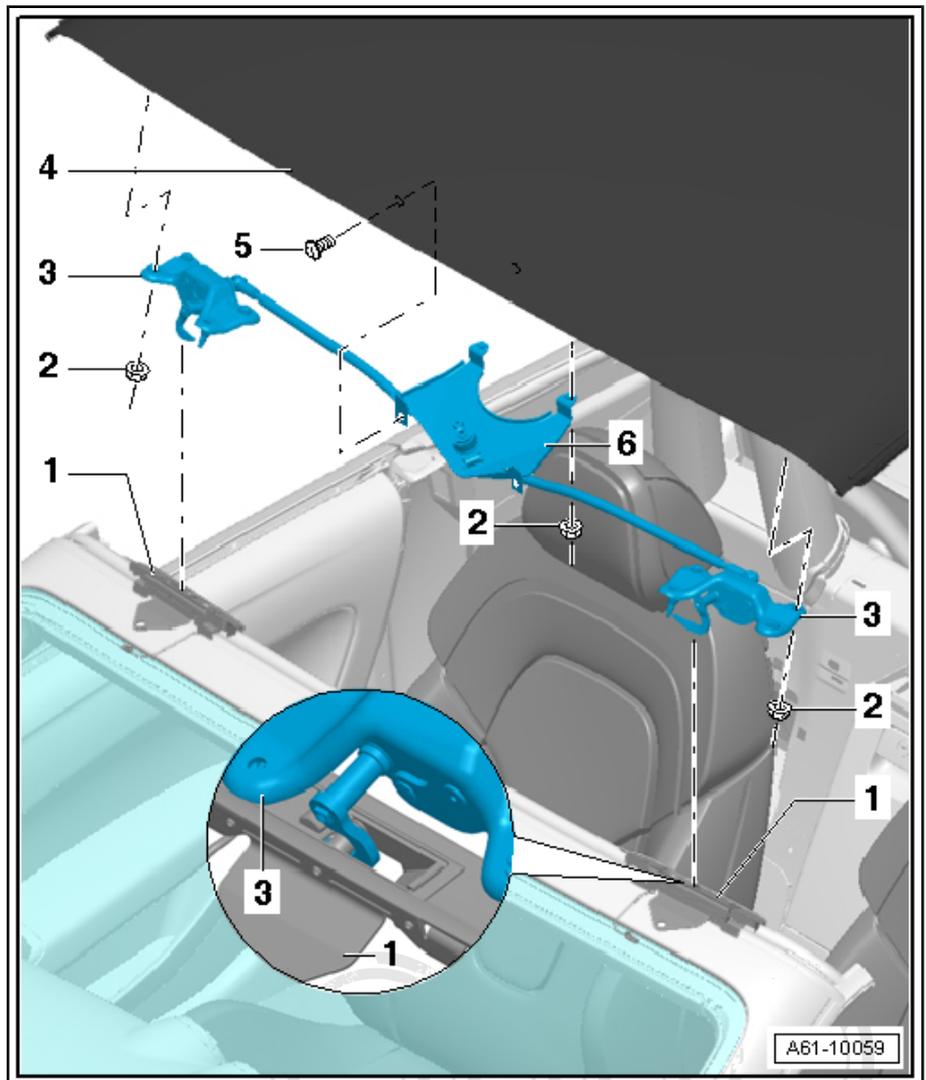


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2.1.29 Manual Convertible Top

Removing

- 1 - End plate
- 2 - Nut
 - 9 Nm
- 3 - Convertible top lock
- 4 - Convertible top
- 5 - Bolt
 - 9 Nm
- 6 - Convertible top latch
 - Front cover removed.

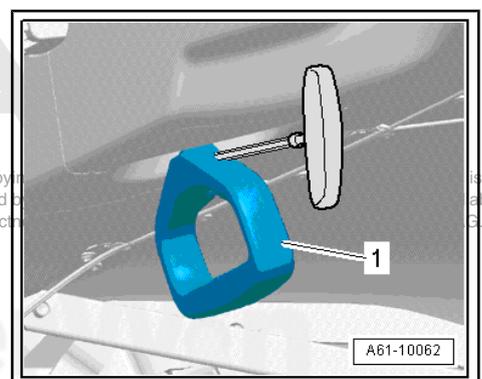


2.1.30 Latch Handle

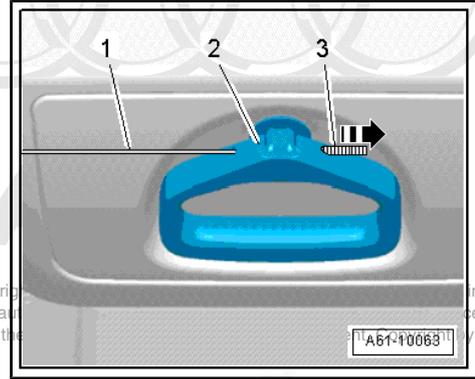
Removing

- Fold up the handle, turn it approx. 90°, and unscrew the screw.
- Slide bolt -3- sideways out of handle -2- using a thin wire -2-.

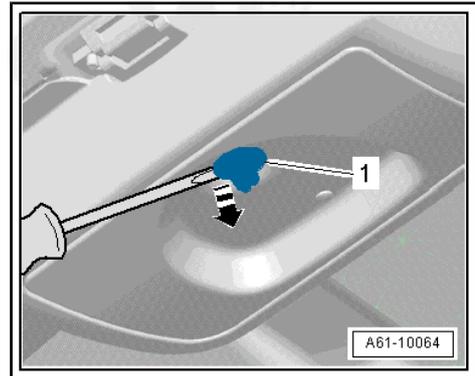
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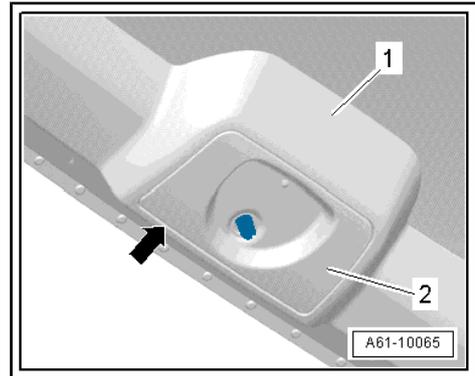
- Tighten bolt to 2 Nm when installing.



- Unclip collar -1- in direction of -arrow-.



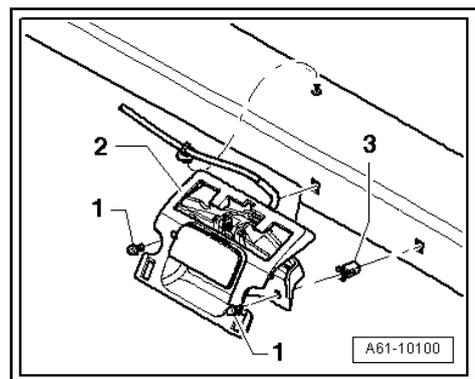
- Unclip cover -2- at front trim -1- -arrow-.



2.1.31 Convertible Top Latch Handle

Removing

- Tighten handle -2- with bolts -1- to 8 Nm.
- Clip -3- clipped in.



2.1.32 End Plate

Removing

1 - End plate

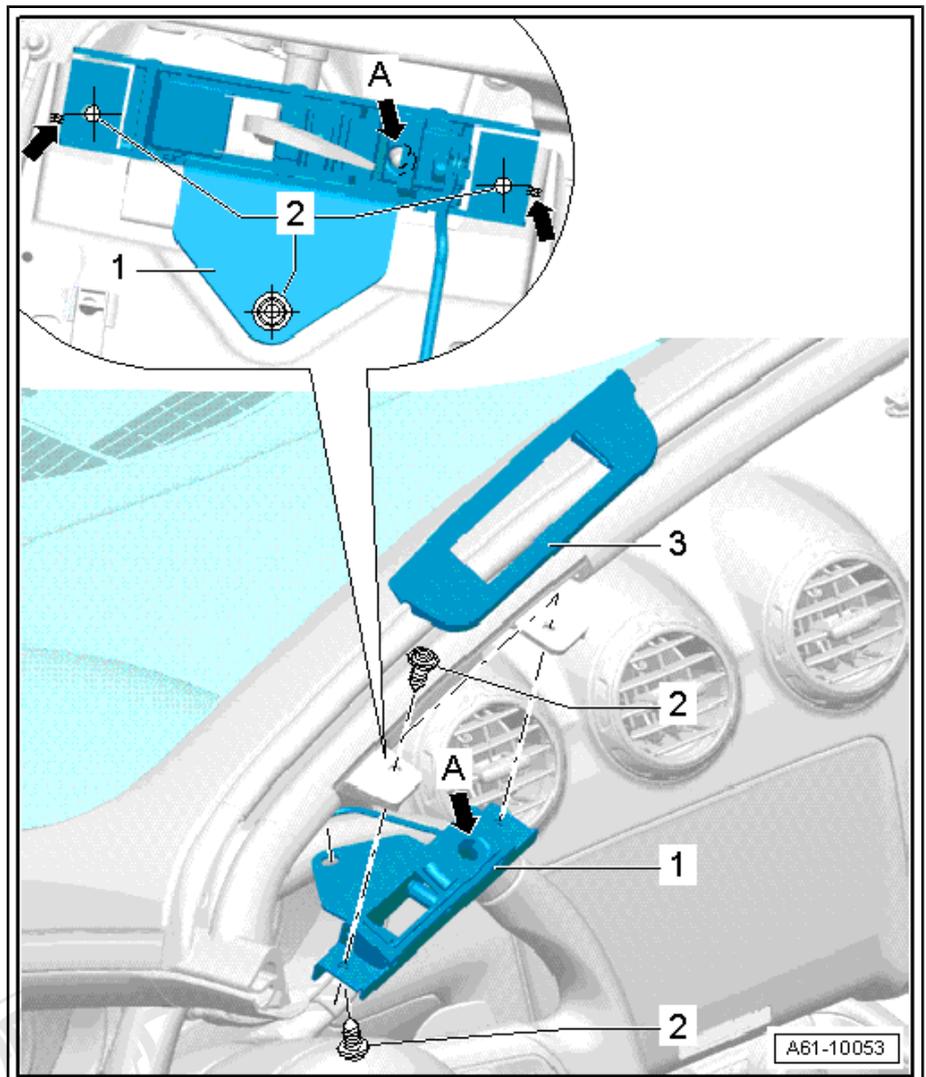
- ❑ Window crossmember cover, removing, refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- ❑ To remove, disconnect the electrical connector and unscrew the screws.

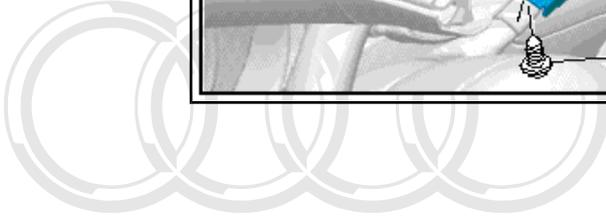
2 - Bolt

- ❑ 15 Nm.

3 - End plate cover

- ❑ To remove, unclip.




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2.2 Convertible Top Hydraulic System

⇒ "2.2.1 Hydraulic Cylinder", page 148

⇒ "2.2.2 Hydraulic Line from Cylinder", page 148

⇒ "2.2.3 Hydraulic Pump", page 150

⇒ "2.2.4 Pump Motor", page 153

2.2.1 Hydraulic Cylinder

Removing

- Convertible top completely removed
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1 - Convertible top main bearing

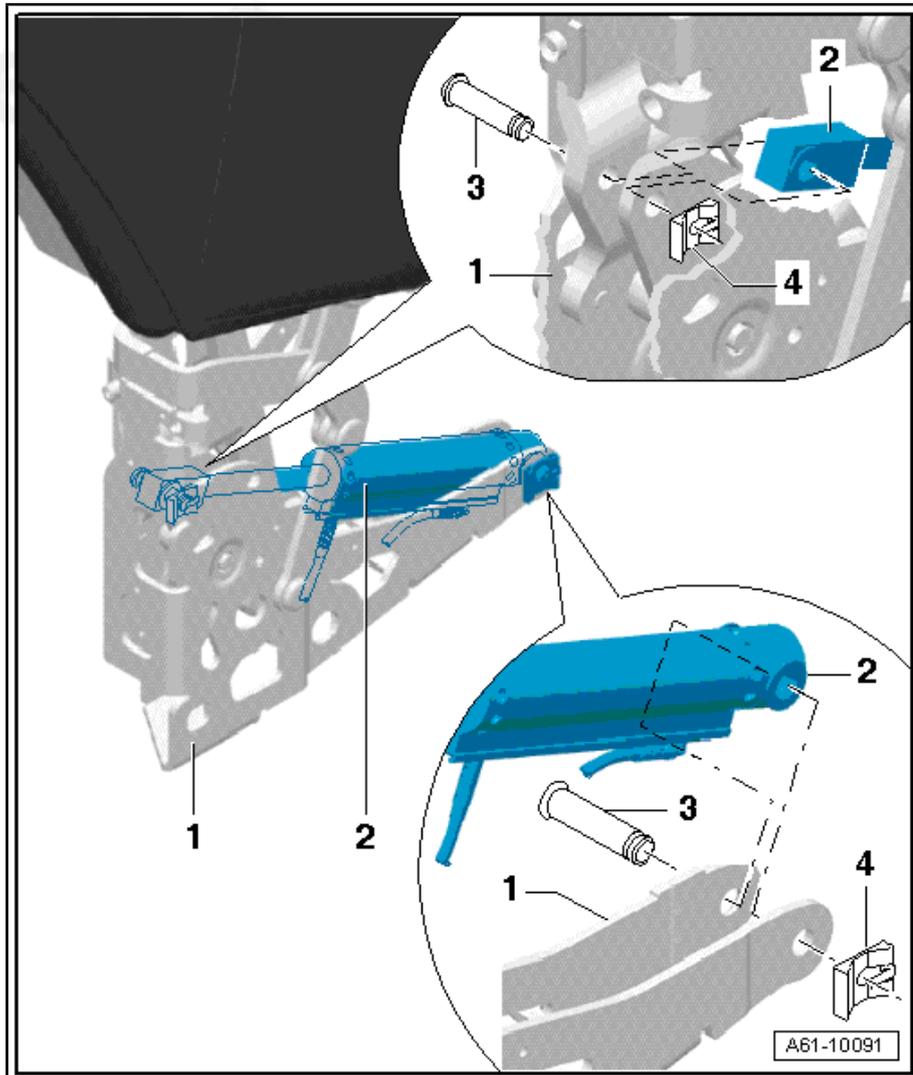
2 - Hydraulic cylinder

- Remove securing spring -4- from pins -3- on piston rod and cylinder.
- Remove pins sideways from main bearing and remove cylinder.
- Remove supply and return line from cylinder.
- After installing, check oil level at hydraulic pump, add hydraulic oil if necessary.

3 - Securing pins

4 - Securing spring

- Release and slide sideways off securing pins



2.2.2 Hydraulic Line from Cylinder

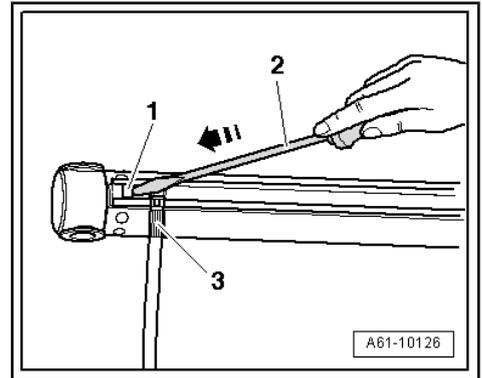
Removing



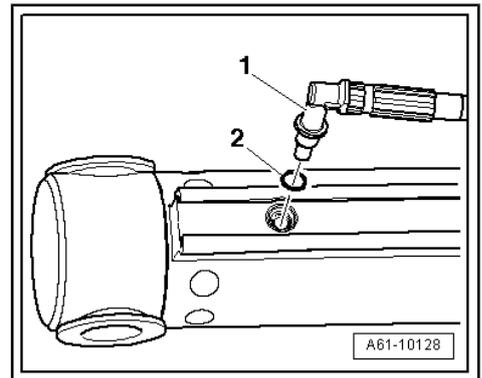
Caution

Sealing rings must always be replaced.

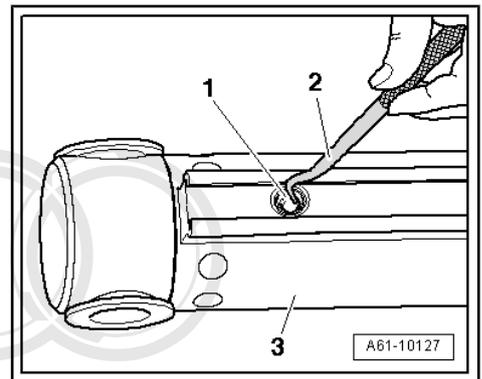
- Slide securing spring -1- sideways under connecting piece -3- out of cylinder using a screwdriver.



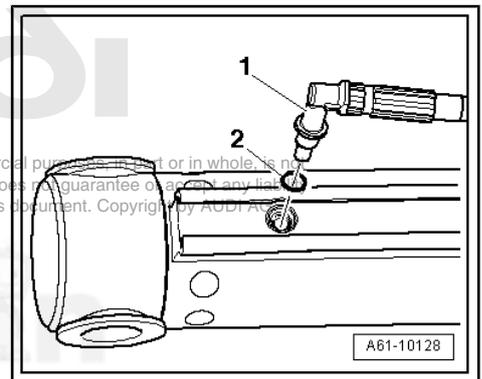
- Remove connecting piece -1- from cylinder using sealing ring -2-.



- Carefully remove sealing ring -1- using a small hook -2- if necessary without damaging -3- cylinder.

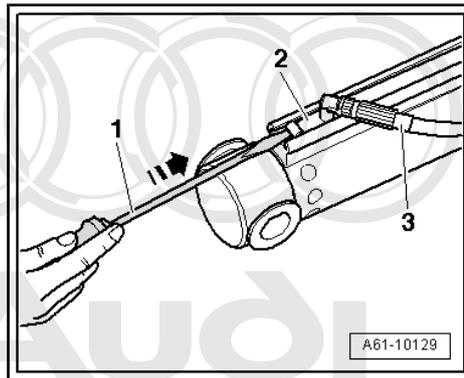


- Slide new sealing ring -2- onto connecting piece -1-.
- Insert connecting piece -3- vertically in cylinder, no resistance must be felt.



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- Do not press connecting piece in with force, otherwise damage to the O-ring and leaks could result.
- Lock securing spring -2- in direction of -arrow-
- After performing work, check oil level and add oil if necessary.

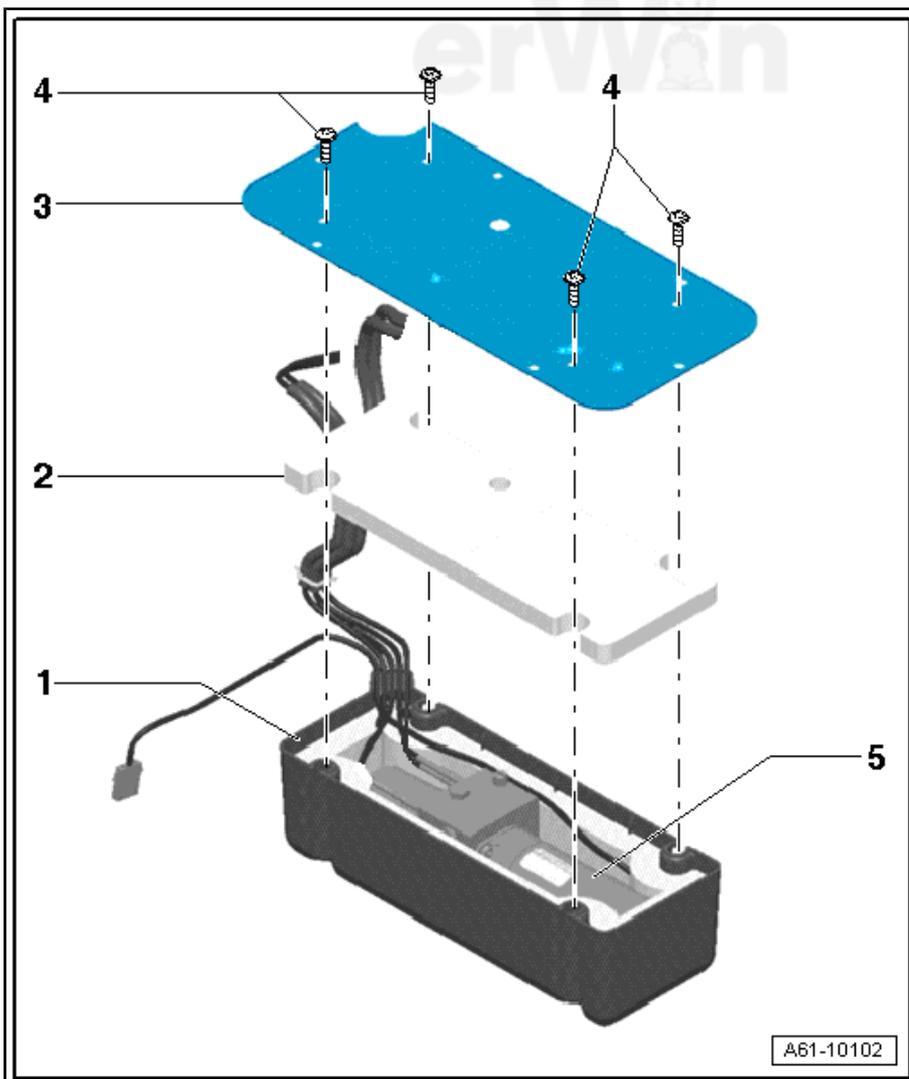


2.2.3 Hydraulic Pump

Hydraulic Line, Removing from Pump ⇒ [page 151](#)

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- 1 - Hydraulic pump housing**
 - Removed from body.
- 2 - Noise Insulation**
- 3 - Housing cover**
 - Removed.
- 4 - Screws**
 - 4 Nm
- 5 - ABS Hydraulic Pump**
 - To remove, remove bolts -4- and remove cover with noise insulation.



Hydraulic Line, Removing from Pump



Caution

O-ring seals should always be replaced after removal.

1 - Bolt

- 6 Nm

2 - Hydraulic line

- Raise hydraulic pump out of housing.
- To remove, remove securing bolt -1- and remove connector pieces with hydraulic line from pump block -4-.
- Before installing, slide new O-ring seals onto connecting pieces.



Caution

When inserting, connecting pieces must lie flush before bolts are tightened.

- To install, slide connecting pieces completely into pump block and tighten securing bolts -1- to 6 Nm.

3 - Oil reservoir

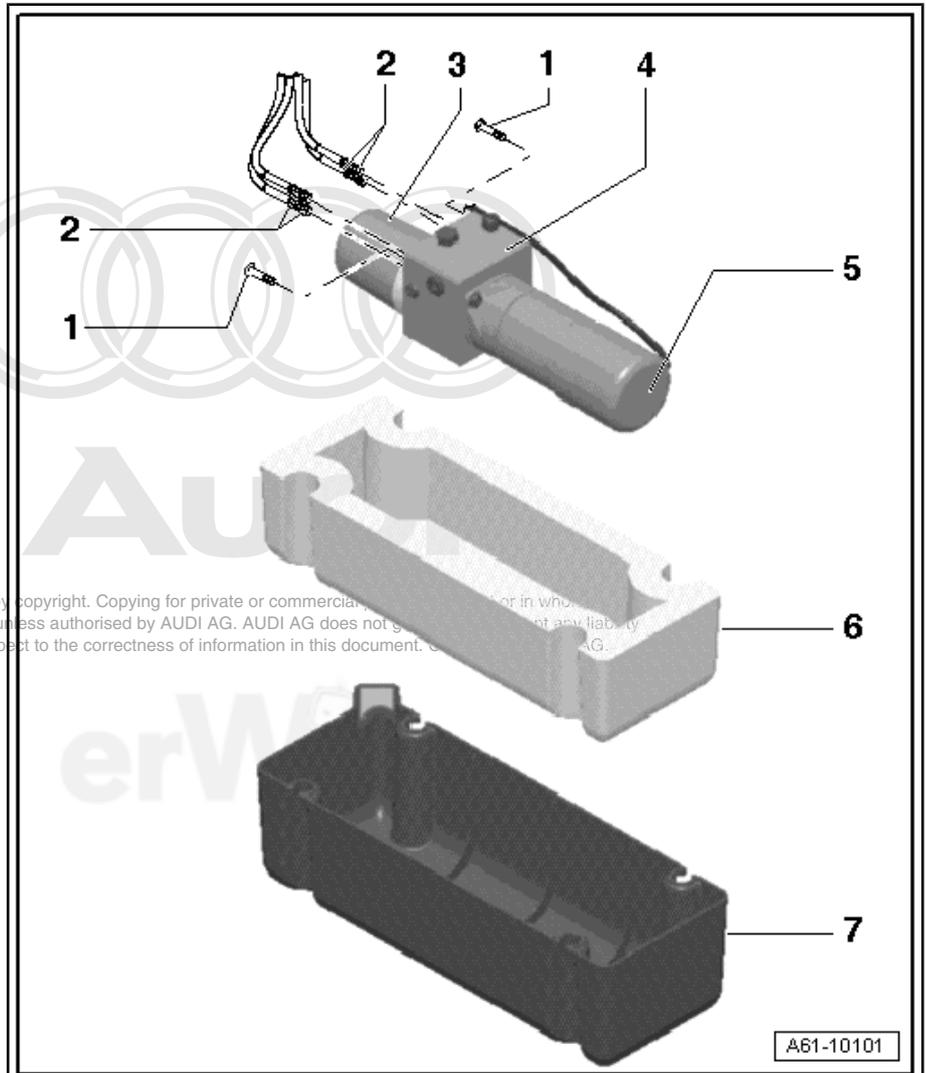
- With »Min« and »Max« markings.
- Oil level must be between markings.

4 - Pump block

5 - Motor for hydraulic pump

6 - Noise Insulation

7 - Hydraulic pump housing



Oil Reservoir, Replacing

**1 - Oil reservoir**

- Before removing, first loosen filler plug -2- to bleed.
- To remove, loosen bolt -7- on clamp until oil reservoir can be removed from pump block.
- Then pull oil reservoir off of pump block, alternating sides.
- Always replace O-ring seals.
- Before install, first loosen filler plug -2- to bleed.
- When installing, slide oil reservoir on to the first retainer.
- Then slide oil reservoir in the correct position completely onto pump block.
- The oil reservoir then engages in the pump block.
- O-ring seal must lie cleanly in the intended groove.
- After checking, slide on clamp -6- and tighten bolt -7- to the specification.

2 - Oil filler screw**Note**

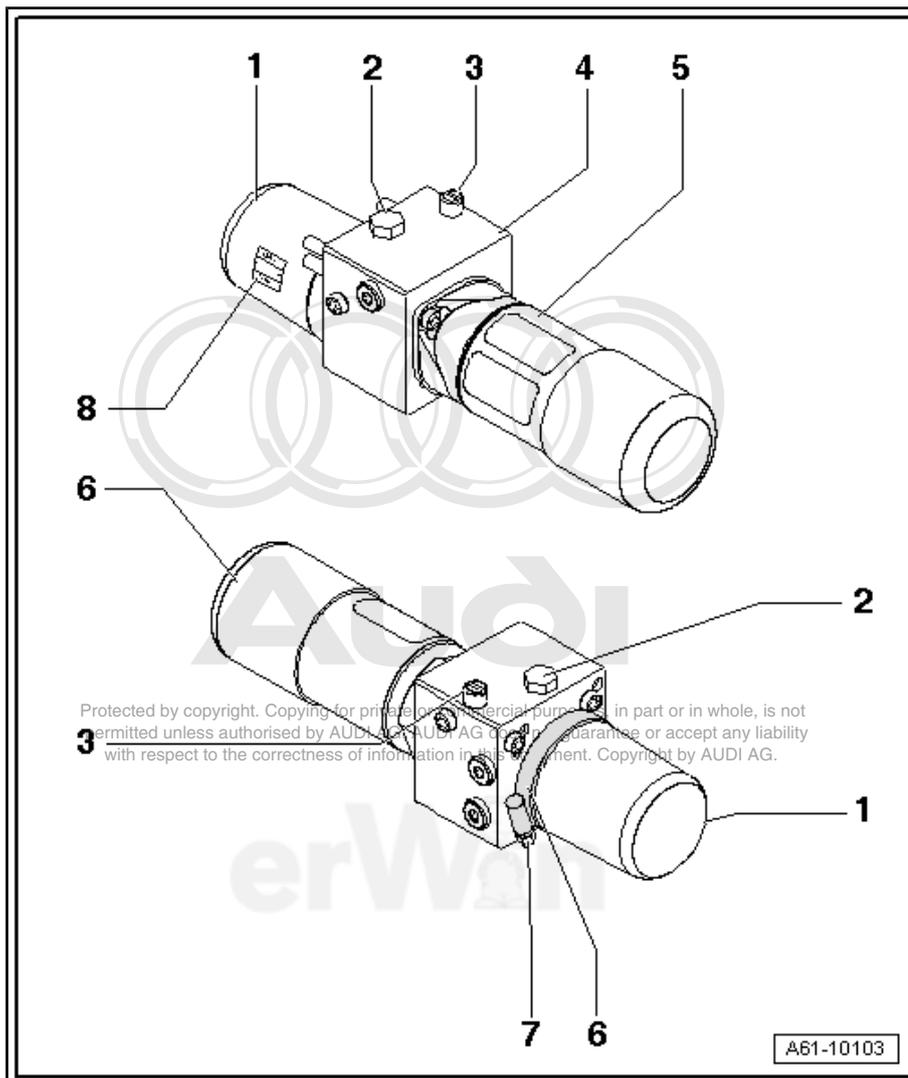
- 5 Nm

3 - Emergency operation valve

- 2 Nm

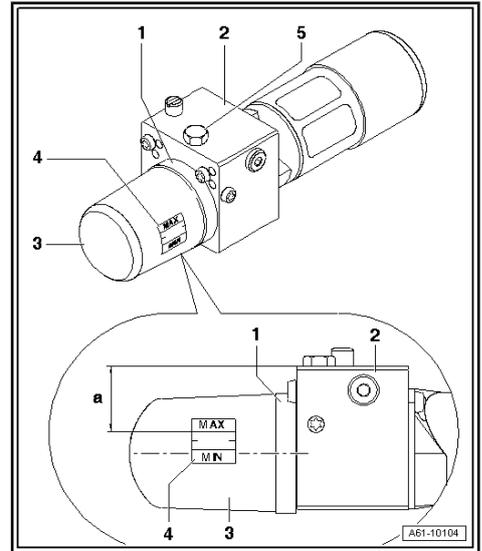
4 - Pump block**5 - Motor for hydraulic pump****6 - Clamp****7 - Bolt**

- 4 Nm

8 - Oil level marking

Oil Reservoir Installation Location

- For correct installation, »Max« marking must be at a distance of -a- = 27 mm from upper edge of pump block, measured outward.
- With locking bolt loosened, oil reservoir can be turned far enough for this.
- After aligning correctly, tighten locking bolt to the specification and fill oil.



2.2.4 Pump Motor

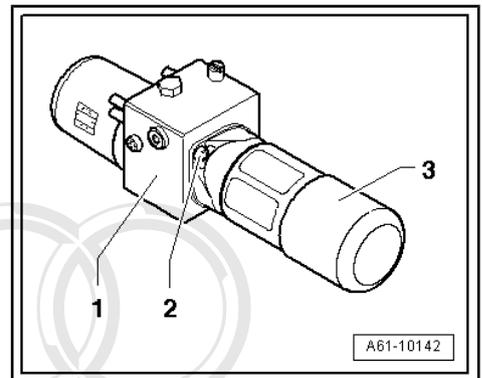


Caution

- ◆ *If pump motor is replaced, hydraulic oil escapes when removing.*
- ◆ *Collect escaping hydraulic oil with suitable containers and dispose of properly.*
- ◆ *Hydraulic oil damages paint. Immediately remove any hydraulic oil that has come in contact with painted surfaces.*

Removing

- Pump removed.
- Remove bolts -2- and remove motor from pump block -1-.
- Replace seal and insert new motor -3- in pump block.
- Tighten bolts to 6 Nm.



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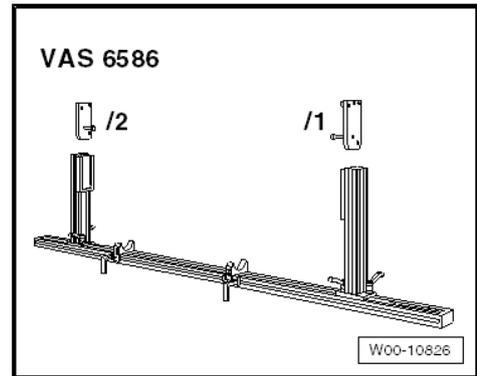
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3 Special Tools

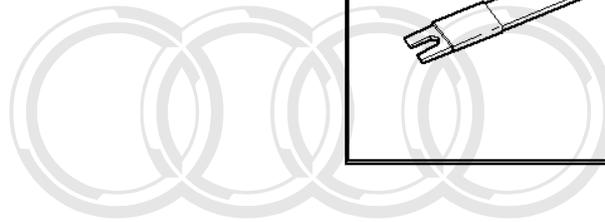
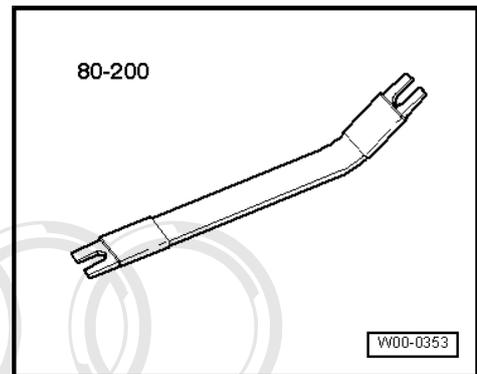
Special tools and workshop equipment required

- ◆ Convertible top bracket -VAS 6586-



- ◆ Scissor lift table -VAS 6131 A-

- ◆ Pry lever -80 - 200-



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63 – Bumpers

1 Description and Operation

⇒ [“1.1 Front Bumper - Audi TT”, page 155](#)

⇒ [“1.2 Front Bumper - Audi TT RS”, page 156](#)

⇒ [“1.3 Rear Bumper - Audi TT”, page 159](#)

⇒ [“1.4 Rear Bumper - Audi TT RS”, page 160](#)

1.1 Front Bumper - Audi TT

⇒ [“1.1.1 Front Bumper Assembly Overview”, page 155](#)

1.1.1 Front Bumper Assembly Overview

1 - Upper right bumper cover

- Removing ⇒ [page 164](#).

2 - Radiator Grille

- Removing and installing, refer to
 ⇒ [“3.3.1 Radiator Grille”, page 235](#).

3 - Upper left bumper cover

- Removed.

4 - Bolt

- 1.5 Nm

5 - Right guide piece

- Removing and installing, refer to
 ⇒ [page 169](#)

6 - Left guide piece

7 - Headlamp washer system cover

8 - Air grille

- Removing ⇒ [page 170](#)

9 - Bumper

10 - Bolt

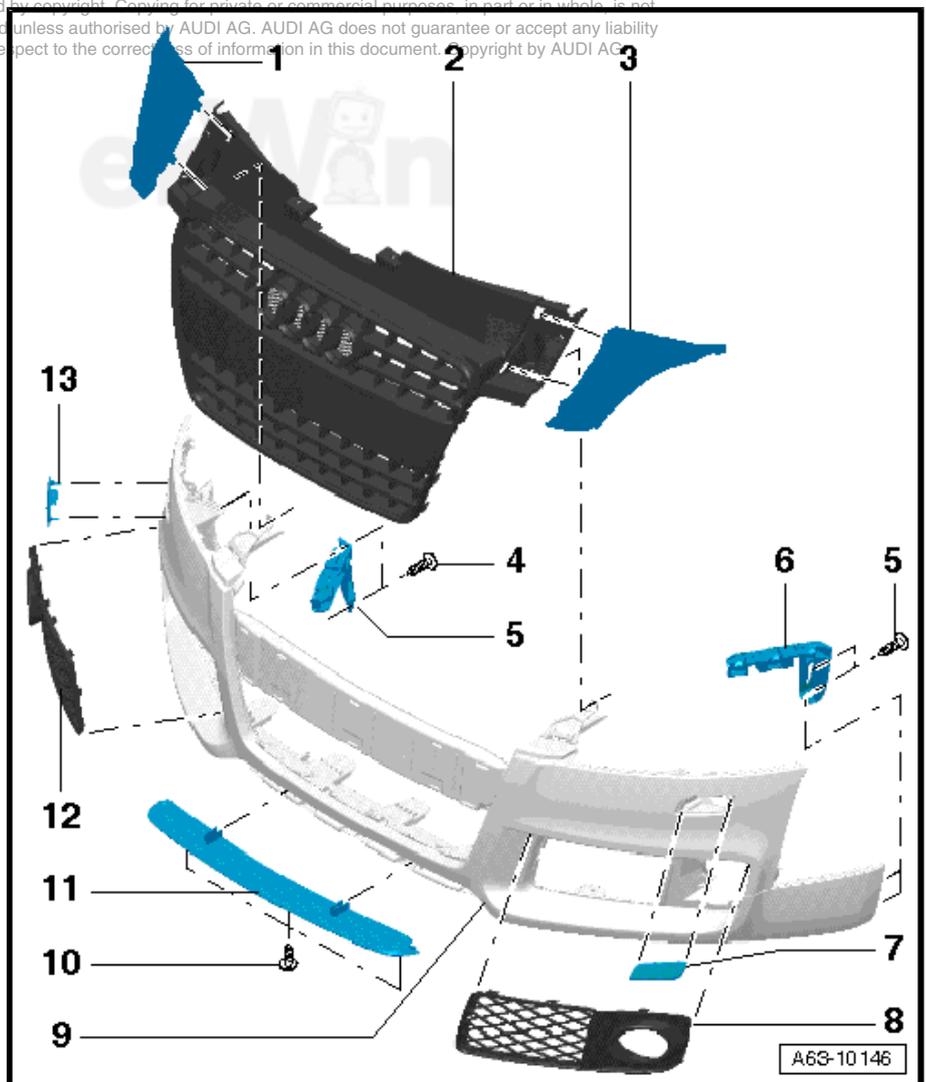
- 2 Nm

11 - Spoiler

- Special equipment

12 - Air grille

13 - Headlamp washer system cover



1.2 Front Bumper - Audi TT RS

⇒ [“1.2.1 Front Bumper Assembly Overview”, page 156](#)

⇒ [“1.2.2 Impact Member and Impact Absorber Assembly Overview”, page 158](#)

1.2.1 Front Bumper Assembly Overview

1 - Bolt

- Quantity: 4
- 2 Nm

2 - Upper part of spoiler

- Removing and Installing, refer to ⇒ [“2.2.5 Spoiler Upper Part”, page 173](#)

3 - Right air intake grille

- Removing and Installing, refer to ⇒ [“2.2.3 Air Intake Grille”, page 172](#)

4 - Right spray nozzle cover

- for the headlamp washer system
- Removing and Installing, refer to ⇒ Electrical Equipment; Rep. Gr. 92; Removal and Installation

5 - Bolt

- Quantity: 4
- 2 Nm

6 - Guide piece

- Removing and Installing, refer to ⇒ [“2.2.2 Front Bumper Guide Piece”, page 172](#)

7 - Nut

- Quantity: 4
- 4 Nm

8 - Inner cover

- Removing and Installing, refer to ⇒ [“2.2.4 Inner Cover”, page 173](#)

9 - Bolt

- Quantity: 2
- Tightening Specifications and Sequence ⇒ [page 157](#)

10 - Bumper

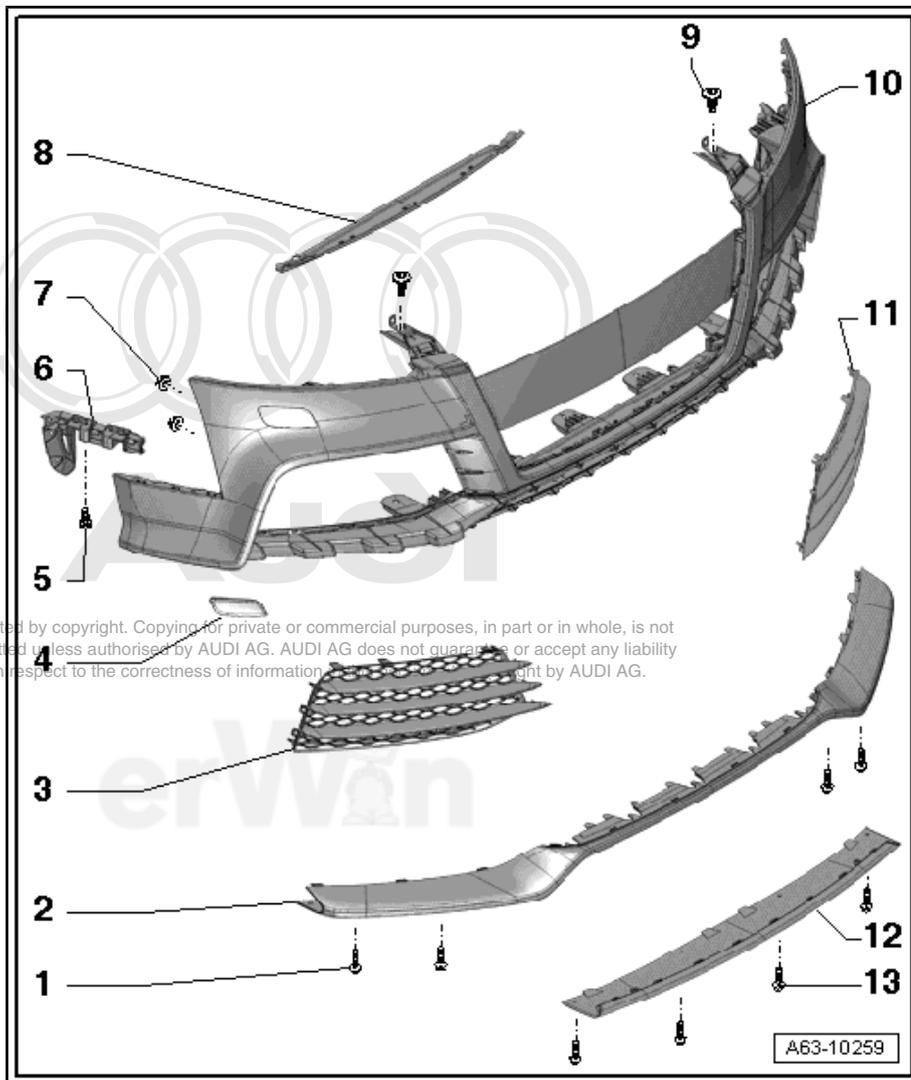
- Removing and Installing, refer to ⇒ [“2.2.1 Front Bumper”, page 170](#)

11 - Left air intake grille

- Removing and Installing, refer to ⇒ [“2.2.3 Air Intake Grille”, page 172](#)

12 - Lower part of spoiler

- Removing and Installing, refer to ⇒ [“2.2.6 Spoiler Lower Part”, page 173](#)



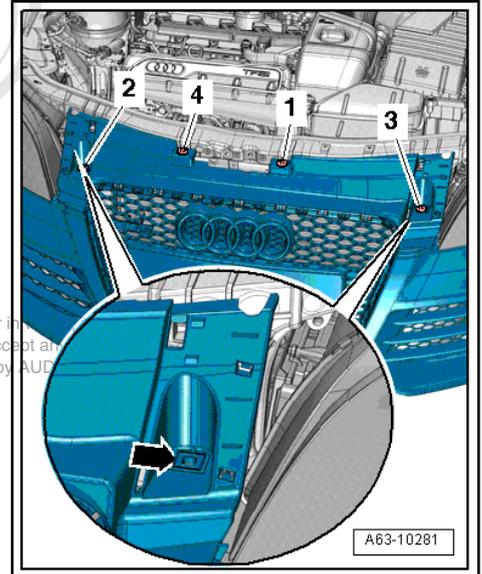
13 - Bolt

- Quantity: 4
- 2 Nm

Tightening Torques and Sequence for Upper Bumper

- Tighten the bolts in a -1 to 4- sequence to 5 Nm.

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1.2.2 Impact Member and Impact Absorber Assembly Overview

1 - Impact absorber

- ❑ Removing and Installing, refer to [⇒ "2.2.7 Impact Absorber", page 174](#)

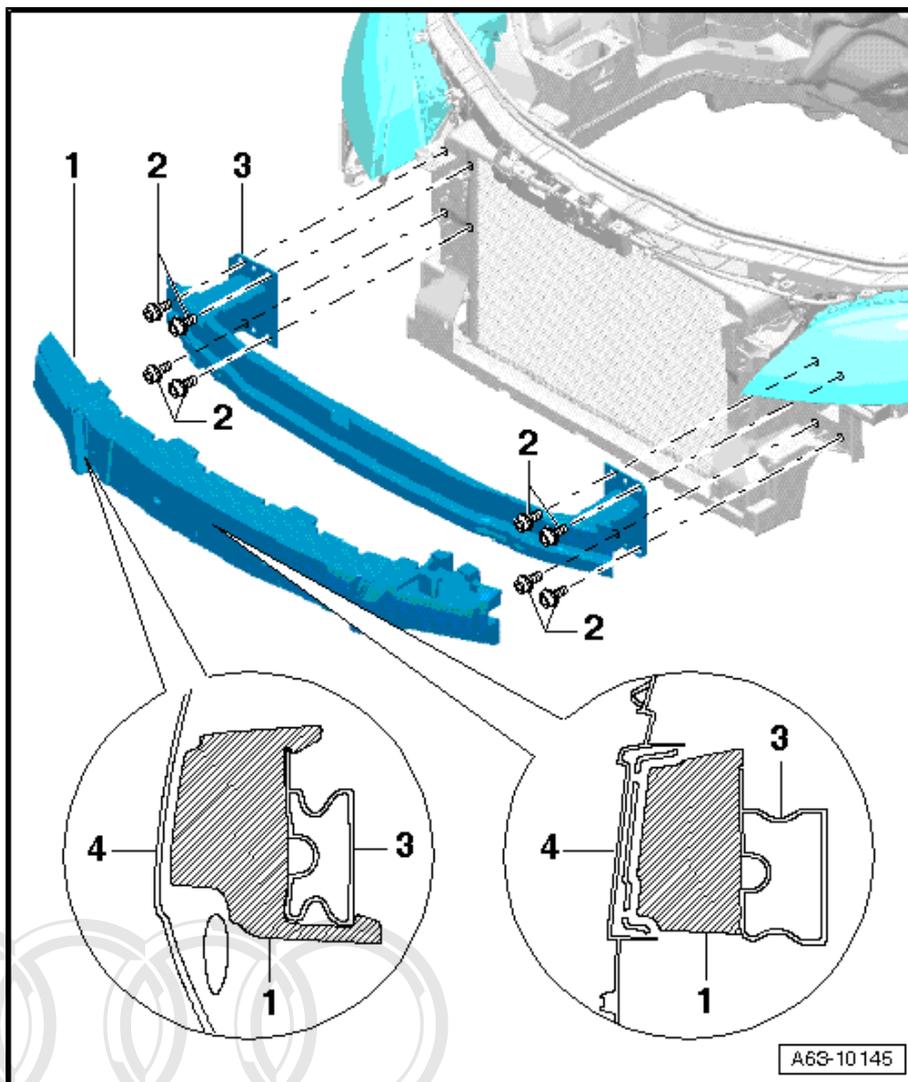
2 - Bolt

- ❑ 30 Nm

3 - Side impact bar

- ❑ Removing and Installing, refer to [⇒ "2.2.8 Impact Member", page 174](#)

4 - Bumper



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1.3 Rear Bumper - Audi TT

⇒ [“1.3.1 Rear Bumper Assembly Overview”, page 159](#)

1.3.1 Rear Bumper Assembly Overview

1 - Bumper

- Removing, refer to
 ⇒ [“2.3.1 Rear Bumper”,
 page 174](#)

2 - Left inner guide piece

3 - Bolt

- 2.5 Nm

4 - Left outer guide piece

5 - Clip

- Slid into side panel.

6 - Bolt

- 2.5 Nm

7 - Clip

- Slid into side panel.

8 - Bracket

9 - Right inner guide piece

10 - Right outer guide piece

11 - Bolt

- 2.5 Nm

12 - Nut

- 4 Nm

13 - Side impact bar

14 - Bolt

- 23 Nm

15 - Impact absorber

- Slid onto impact mem-
ber.

16 - Bolt

- 2.5 Nm

17 - Left cover strip

- Removing ⇒ [page 178](#)

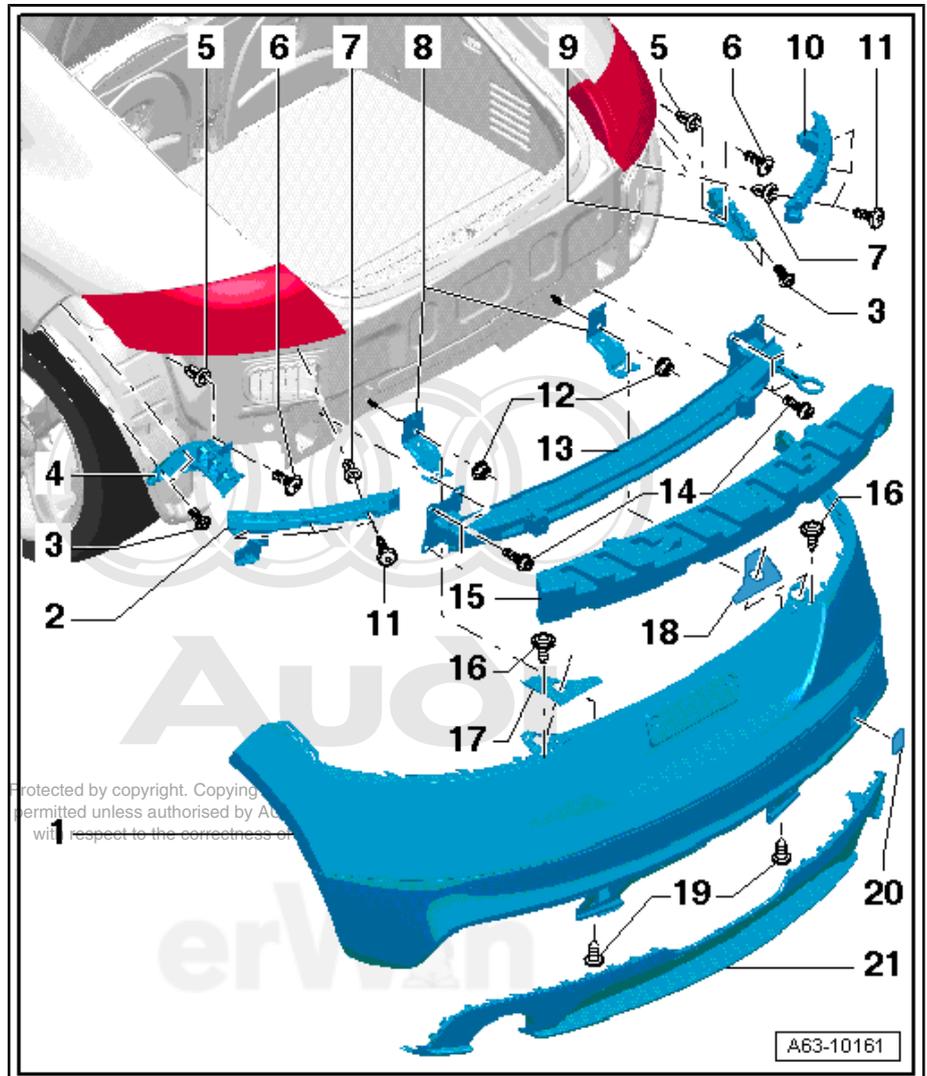
18 - Right cover strip

19 - Bolt

- 2.5 Nm

20 - Towing hook cover

21 - Lower cover



1.4 Rear Bumper - Audi TT RS

⇒ ["1.4.1 Rear Bumper Assembly Overview", page 160](#)

⇒ ["1.4.2 Impact Member, Shock Absorber and Guide Piece Assembly Overview", page 161](#)

1.4.1 Rear Bumper Assembly Overview

1 - Bolt

- Quantity: 4
- 2 Nm

2 - Bumper spoiler

- Removing and Installing, refer to ⇒ ["2.4.2 Rear Bumper Spoiler", page 184](#)

3 - Lower bumper trim

- Removing and Installing, refer to ⇒ ["2.4.2 Rear Bumper Spoiler", page 184](#)

4 - Bolt

- Quantity: 4
- 2 Nm

5 - Left exhaust pipe trim

- Removing and Installing, refer to ⇒ ["2.4.4 Exhaust Pipe Trim", page 185](#)

6 - Bolt

- Quantity: 2
- 2.5 Nm

7 - Cover strip

- For bumper
- Removing and Installing, refer to ⇒ ["2.4.1 Rear Bumper", page 182](#)

8 - Bumper

- Removing and Installing, refer to ⇒ ["2.4.1 Rear Bumper", page 182](#)

9 - Cover

- For the towing eye

10 - Bolt

- Quantity: 2
- 2.5 Nm

11 - Right exhaust pipe trim

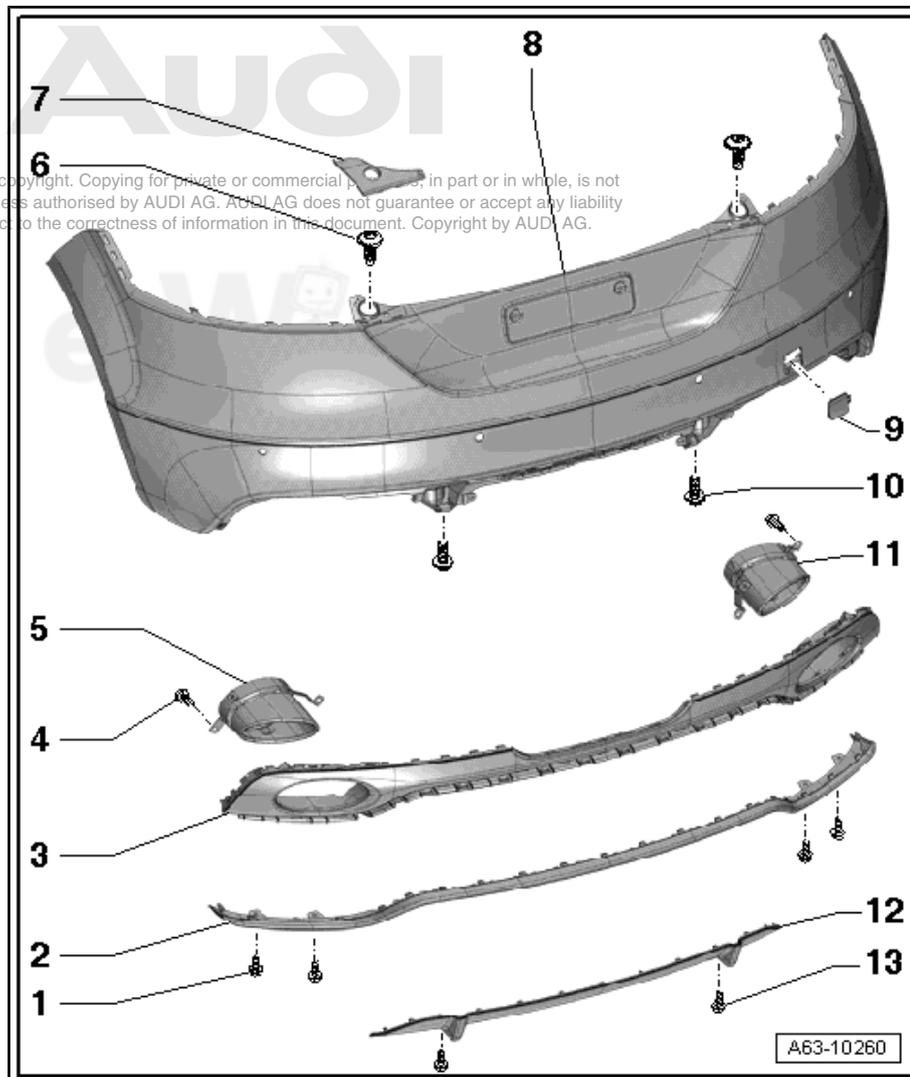
- Removing and Installing, refer to ⇒ ["2.4.4 Exhaust Pipe Trim", page 185](#)

12 - Diffuser trim

- Removing and Installing, refer to ⇒ ["2.4.3 Diffuser Trim", page 185](#)

13 - Bolt

- Quantity: 2



- 2 Nm

1.4.2 Impact Member, Shock Absorber and Guide Piece Assembly Overview

1 - Impact absorber

- Removing and Installing, refer to [⇒ "2.4.5 Impact Absorber", page 186](#)

2 - Bolt

- Quantity: 7
- 23 Nm

3 - Bolt

- Quantity: 2
- For the correct tightening specifications, refer to [⇒ Item 10 \(page 160\)](#)

4 - Left holder for bumper

- Removing and Installing, refer to [⇒ "2.4.7 Rear Bumper Bracket", page 187](#)

5 - Nut

- Quantity: 2
- 4 Nm

6 - Bolt

- Quantity: 6
- Tightening Specifications and Sequence [⇒ page 162](#)

7 - Left inner guide piece

- Removing and Installing, refer to [⇒ "2.4.9 Inner Guide Piece", page 188](#)

8 - Bolt

- Quantity: 2
- 2 Nm

9 - Guide piece holder

10 - Nut

- Quantity: 2
- Tightening Specifications and Sequence [⇒ page 162](#)

11 - Left guide piece

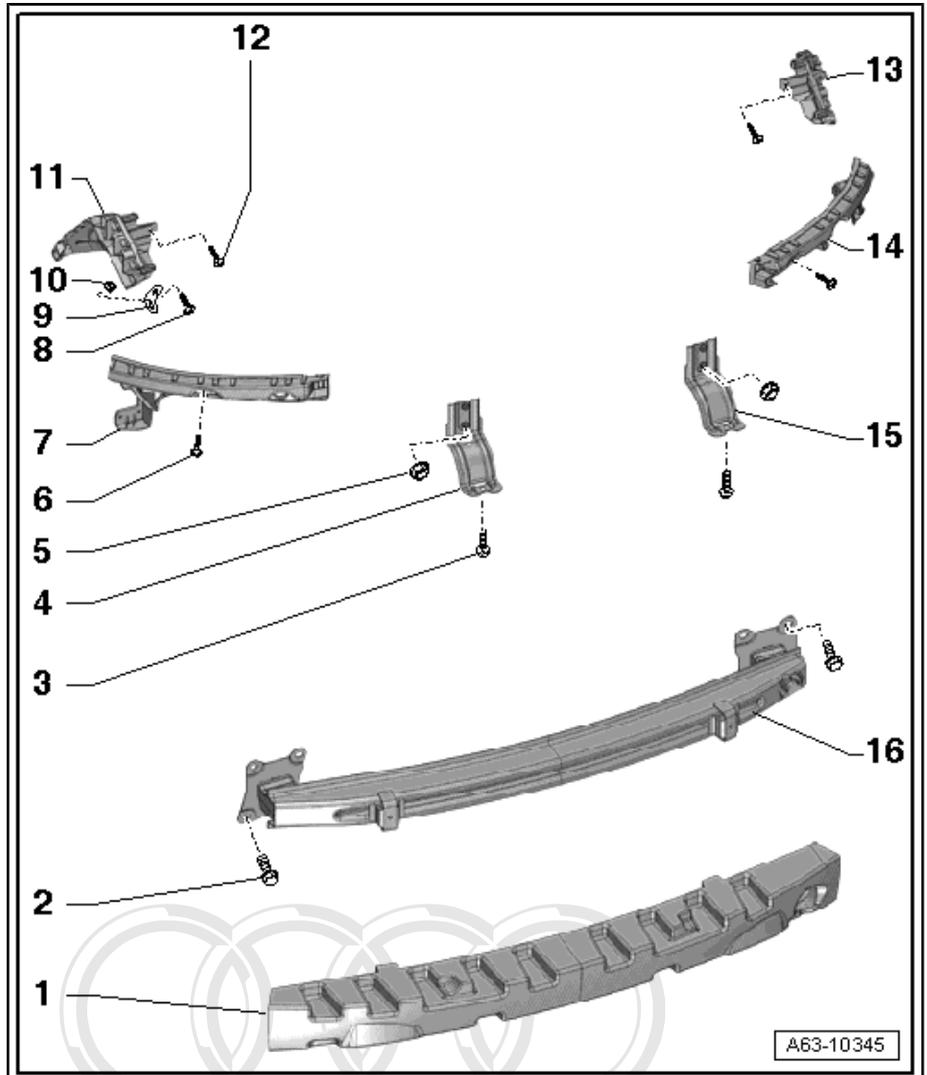
- Removing and Installing, refer to [⇒ "2.4.8 Guide Piece", page 187](#)

12 - Bolt

- Quantity: 6
- Tightening Specifications and Sequence [⇒ page 162](#)

13 - Right guide piece

- Removing and Installing, refer to [⇒ "2.4.8 Guide Piece", page 187](#)



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14 - Right inner guide piece

- ❑ Removing and Installing, refer to ⇒ [“2.4.9 Inner Guide Piece”, page 188](#)

15 - Right holder for bumper

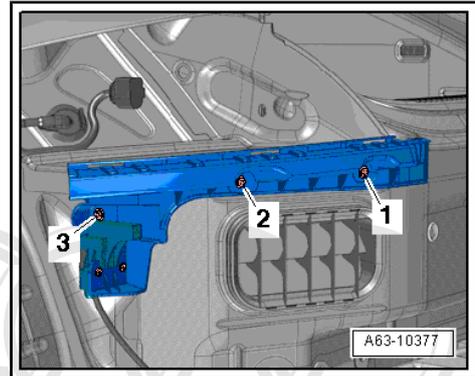
- ❑ Removing and Installing, refer to ⇒ [“2.4.7 Rear Bumper Bracket”, page 187](#)

16 - Side impact bar

- ❑ Observe country-specific versions.
- ❑ Removing and Installing, refer to ⇒ [“2.4.6 Impact Member”, page 186](#)

Tightening Torque and Sequence for Inner Guide Piece

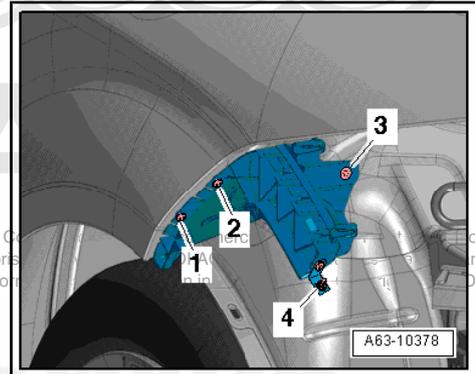
- Tighten the bolts in a -1 through 3- sequence to 2.5 Nm.



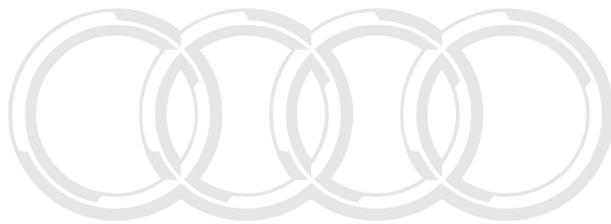
Tightening Torque and Sequence for Guide Piece

- Tighten the screws and nuts in the following sequence:
-1 through 4-

- 1 - Bolt - 2.0 Nm
- 2 - Bolt - 2.0 Nm
- 3 - Bolt - 2.5 Nm
- 4 - Nut - 6.5 Nm



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2 Removal and Installation

⇒ [“2.1 Front Bumper - Audi TT”, page 164](#)

⇒ [“2.2 Front Bumper - Audi TT RS”, page 170](#)

⇒ [“2.3 Rear Bumper - Audi TT”, page 174](#)

⇒ [“2.4 Rear Bumper - Audi TT RS”, page 182](#)

2.1 Front Bumper - Audi TT

⇒ [“2.1.1 Upper Bumper Covers”, page 164](#)

⇒ [“2.1.2 Front Bumper”, page 165](#)

⇒ [“2.1.3 Impact Member”, page 166](#)

⇒ [“2.1.4 Inner Wheel Housing Liner”, page 167](#)

⇒ [“2.1.5 Lower Bumper Bolting Points”, page 168](#)

⇒ [“2.1.6 Noise Insulation”, page 168](#)

⇒ [“2.1.7 Bumper Guide Piece”, page 169](#)

⇒ [“2.1.8 Air Grille”, page 170](#)

2.1.1 Upper Bumper Covers

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Removing

1 - Left cover

- ❑ To remove, unclip upward from lock carrier and remove sideways from cooler grille.

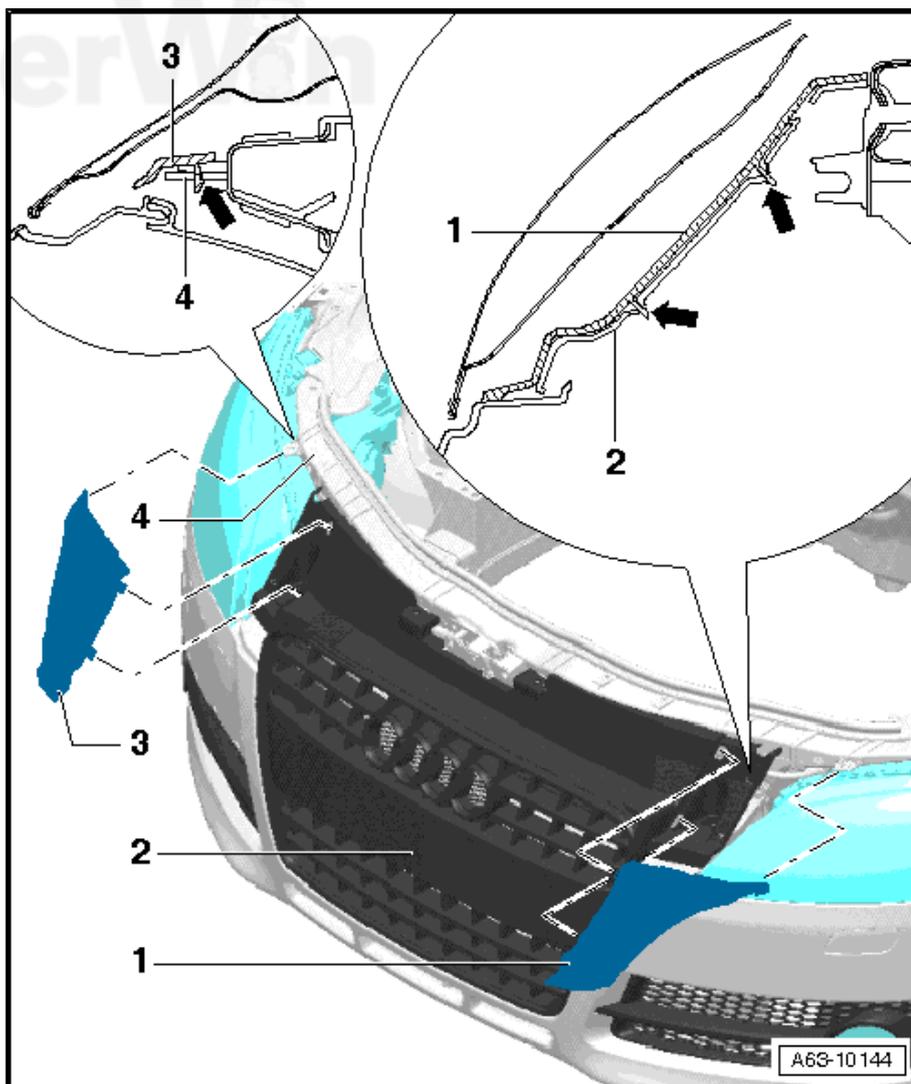
2 - Radiator Grille

- ❑ Removal, refer to [“3.3.1 Radiator Grille”, page 235](#)

3 - Right cover

- ❑ To remove, unclip upward from lock carrier and remove sideways from cooler grille.

4 - Lock carrier



2.1.2 Front Bumper

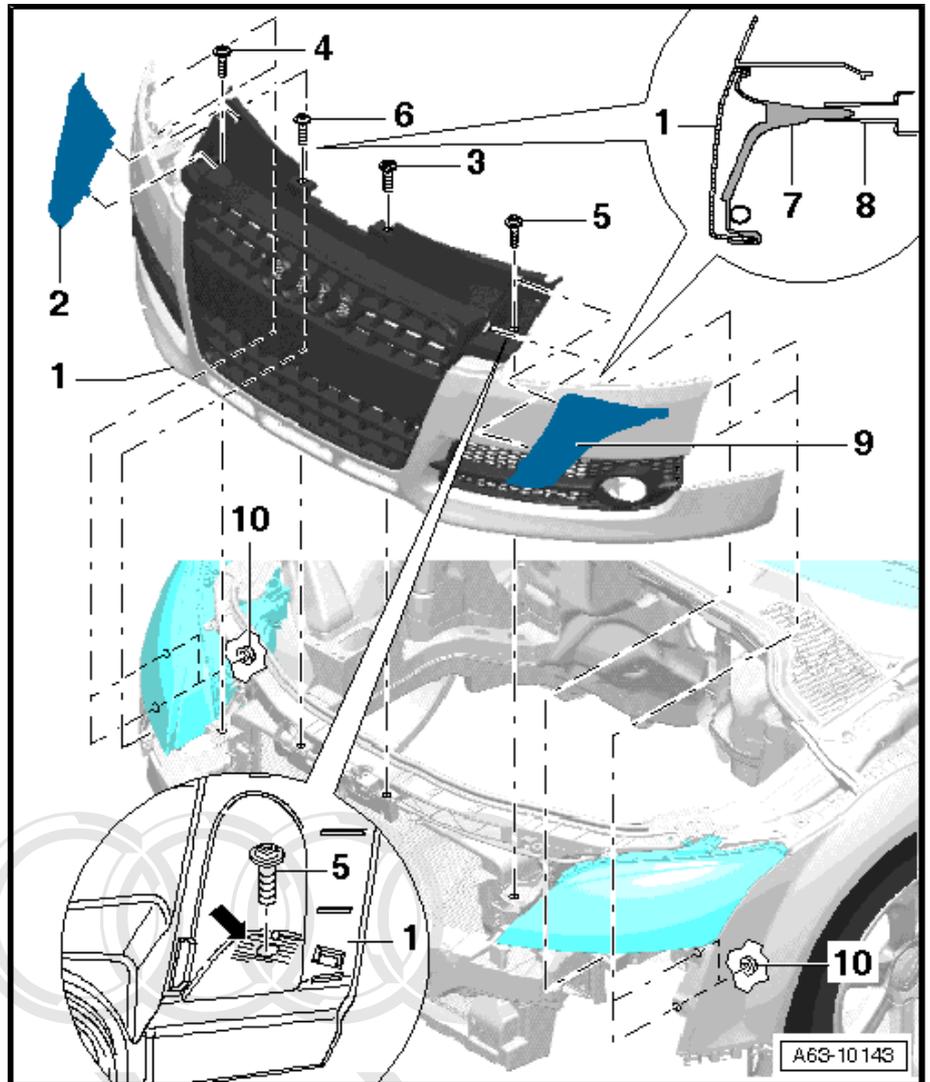
Special tools and workshop equipment required

- ◆ Hose Clamps up to 25 mm diameter. -3094-
- ◆ Socket -T40078-

1 - Bumper

Note

- Removing
 - Unclip covers -2- and -9-
 - Remove bolts -3-;-4-;-5- and -6-.
 - Loosen wheel housing liner in nut area -10- and pull back ⇒ [page 167](#) .
 - Remove zero gap connection nuts -10-.
 - Remove the lower screws from the noise insulation in the bumper area.
 - Unclip bumper side-ways from guide pieces and pull forward slightly.
 - Remove electrical wire to fog lamp, clamp off line to headlamp washer system if necessary.
 - Bumper completely from vehicle
- Installing:
 - Use markings on radiator grille -arrow- for exact adjustment length-wise.



- When installing, tighten upper bolts on bumper in -3-;-4-;-5- and -6- sequence.

2 - Right cover

- Unclip

3 - Bolt

- 5 Nm

4 - Bolt

- 5 Nm

5 - Bolt

- 5 Nm

6 - Bolt

- 5 Nm

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7 - End plate

- No replacement part
- Slide into support -8- on lock carrier as shown.

8 - Carrier piece

- No replacement part
- Part of lock carrier delivery package.

9 - Left cover

- Unclip

10 - Nut

- Use -T40078- to loosen or tighten nut.
- 6.5 Nm

2.1.3 Impact Member**1 - Impact absorber**

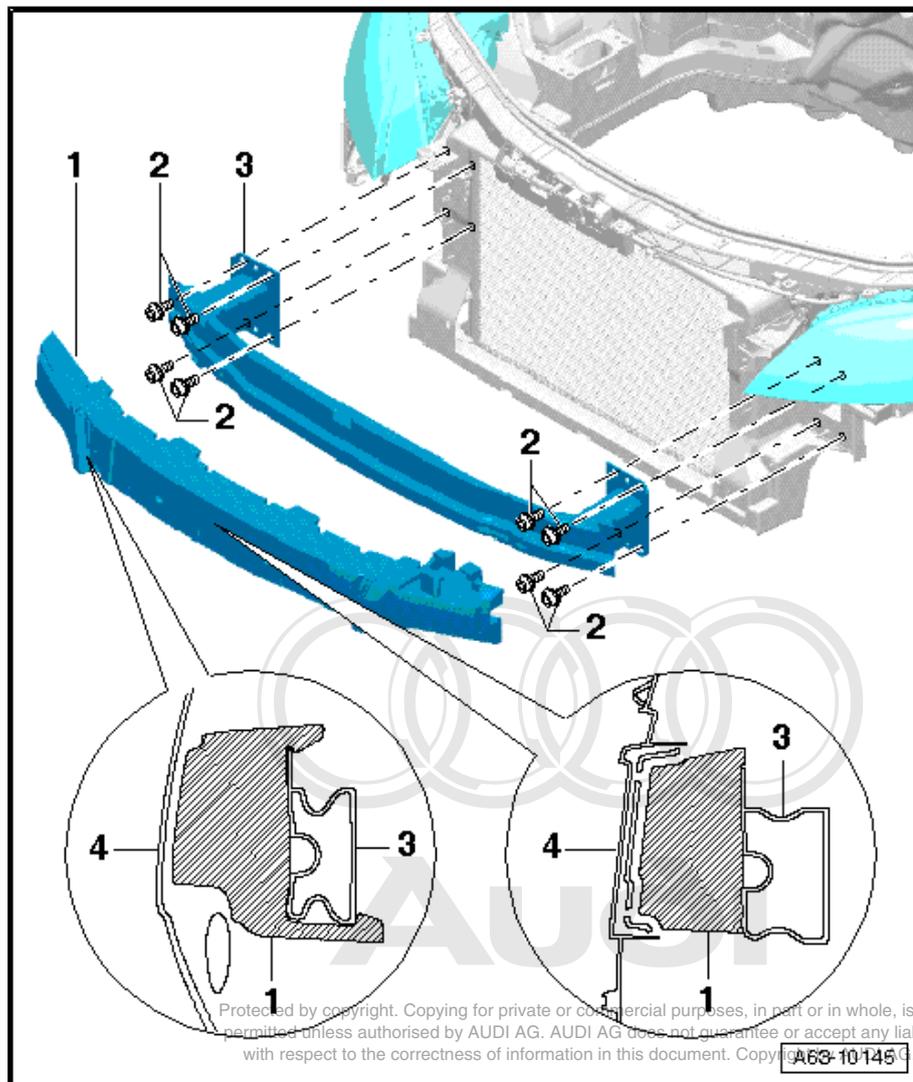
- Connected to impact member

2 - Bolt

- 30 Nm

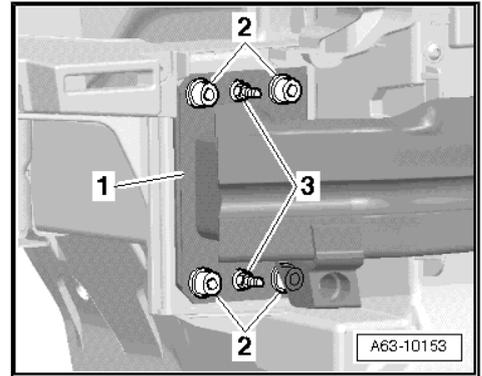
3 - Side impact bar

- After bolts -2- are removed, clamping washers on top and bottom of bracket must be removed.

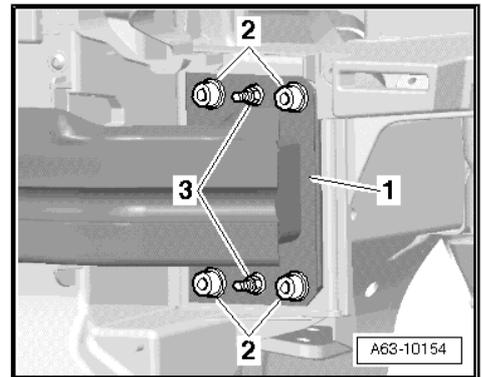
4 - Bumper

Removing

- Bumper removed.
- Remove right bolts -2- ...



- and left bolts as well as clamping washers -3-.



2.1.4 Inner Wheel Housing Liner

Removing

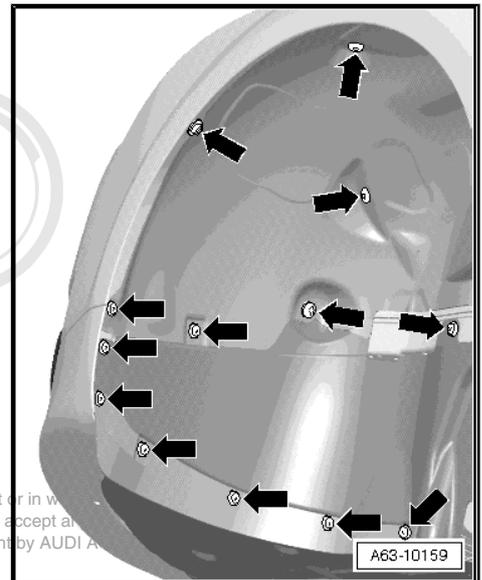
- Remove bolts in bumper area and pull back wheel housing liner.



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2.1.5 Lower Bumper Bolting Points

1 - Bumper

2 - Nut

- Use -T40078- to loosen or tighten nut.
- 6.5 Nm

3 - Grommet

4 - Fender

5 - End plate

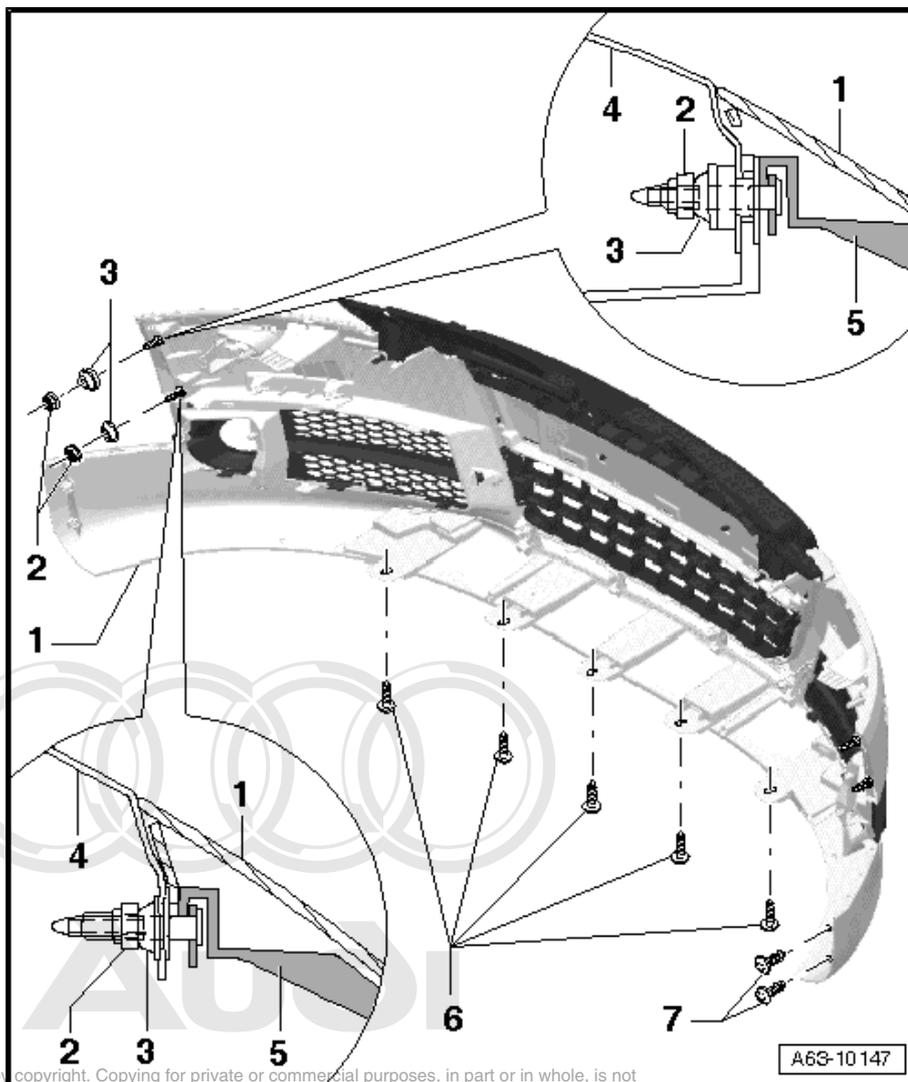
- Part of bumper delivery package.
- No replacement part

6 - Bolt

- 2 Nm
- Remove bolts on noise insulation.

7 - Bolt

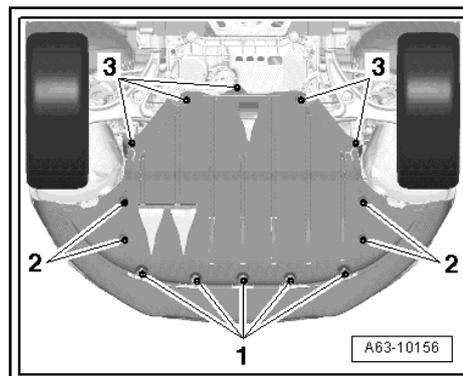
- 1.5 Nm



2.1.6 Noise Insulation

Removing

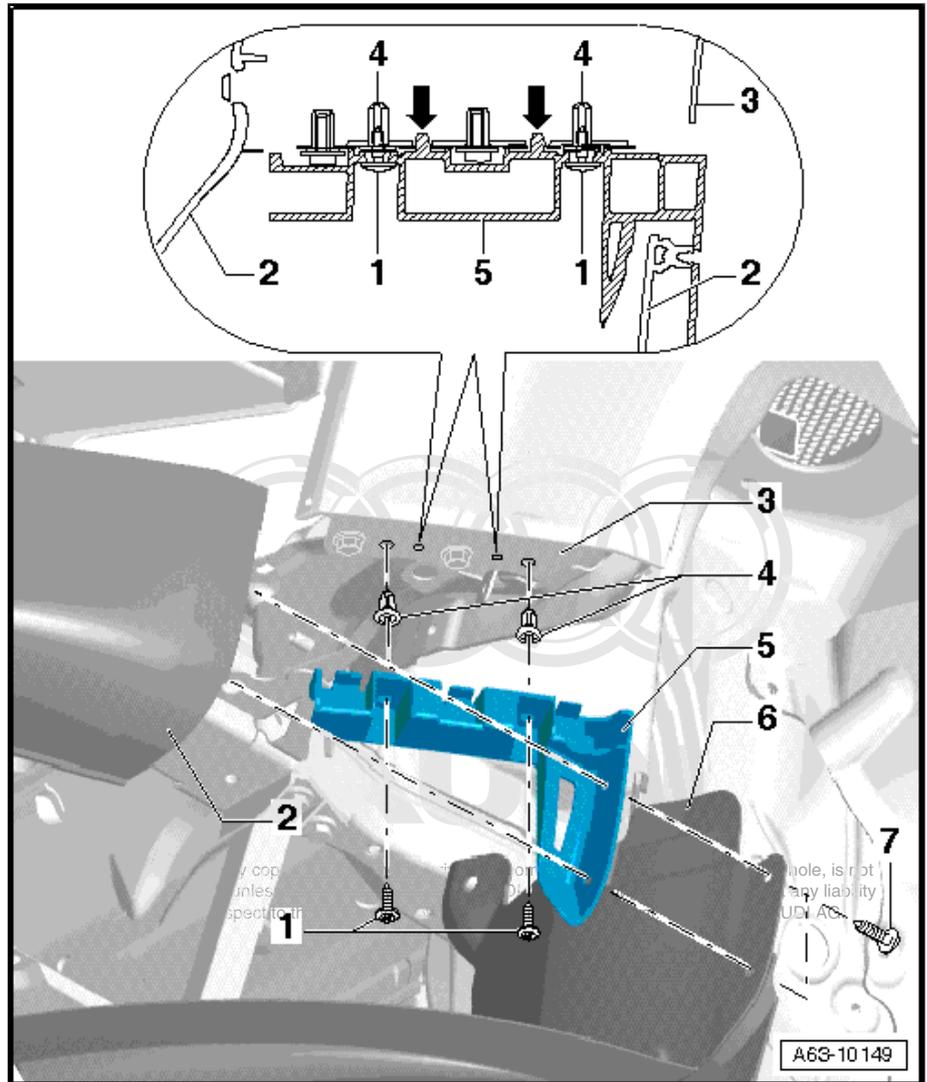
- Remove bolts -1- to remove bumper from noise insulation
- 3-.



2.1.7 Bumper Guide Piece

Removing

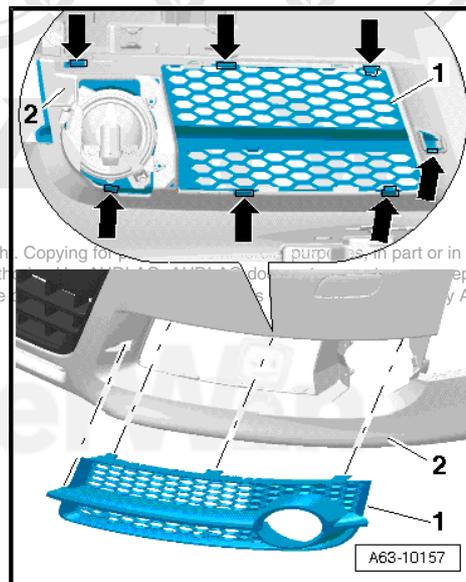
- 1 - Bolt
 - 2.5 Nm.
- 2 - Bumper
 - Removed.
- 3 - Fender
- 4 - Clip
- 5 - Guide piece
- 6 - Wheel housing liner
- 7 - Bolt
 - 1.5 Nm



2.1.8 Air Grille

Removing

- Remove grille -1- from bumper -2- beginning at outside.
- When installing, retaining tabs -arrows- must engage completely in bumper.



2.2 Front Bumper - Audi TT RS

⇒ ["2.2.1 Front Bumper", page 170](#)

⇒ ["2.2.2 Front Bumper Guide Piece", page 172](#)

⇒ ["2.2.3 Air Intake Grille", page 172](#)

⇒ ["2.2.4 Inner Cover", page 173](#)

⇒ ["2.2.5 Spoiler Upper Part", page 173](#)

⇒ ["2.2.6 Spoiler Lower Part", page 173](#)

⇒ ["2.2.7 Impact Absorber", page 174](#)

⇒ ["2.2.8 Impact Member", page 174](#)

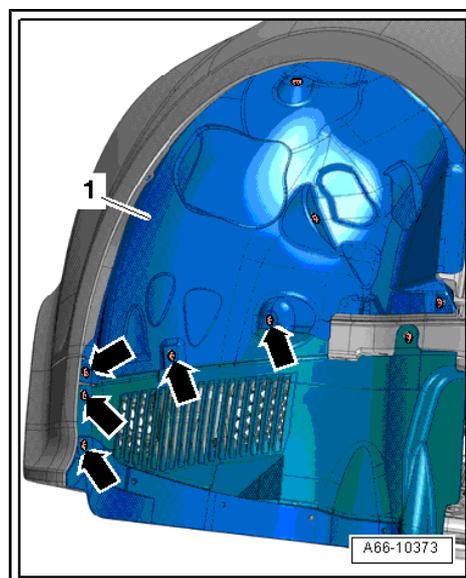
2.2.1 Front Bumper

Special tools and workshop equipment required

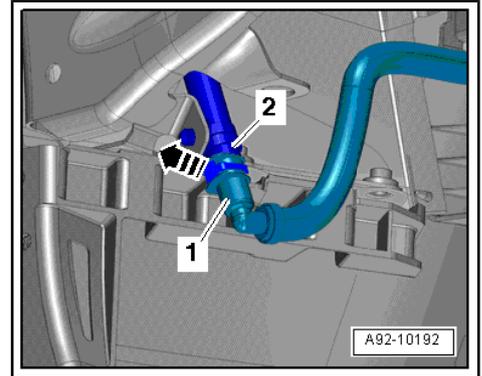
- ◆ Engine bung set -VAS 6122-
- ◆ Socket -T40078-

Removing

- Unscrew the screws -arrows- and pull back the wheel housing liner in the lower area.

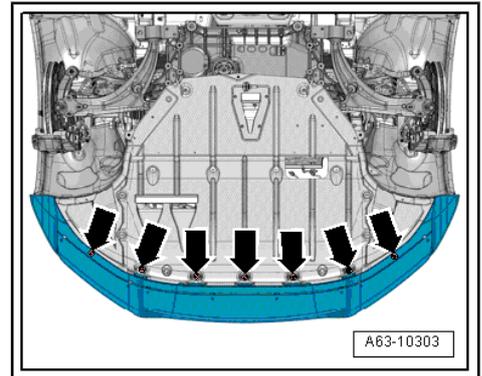


- Remove the left front wheel spoiler. Refer to [⇒ "3.5.2 Front Wheel Spoiler", page 239](#)
- Release the securing clamp -arrow - and remove washer fluid line -1- on connecting piece -2-.
- Seal the connecting piece of the washer fluid line with a clean plug from the -VAS 6122- .

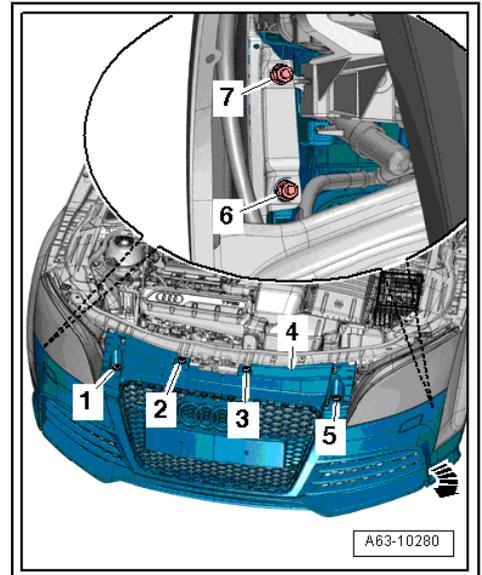


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- Remove the bolts -arrows-.



- Remove the upper bumper covers. Refer to [⇒ "3.4.2 Radiator Grille Cover", page 236](#) .
- Unscrew screws -1, 2, 3, 5- and nuts -6- and -7-.
- Remove the bumper rear edge from the guide piece/fender -arrow-.
- Remove bumper -4- in a forward direction.



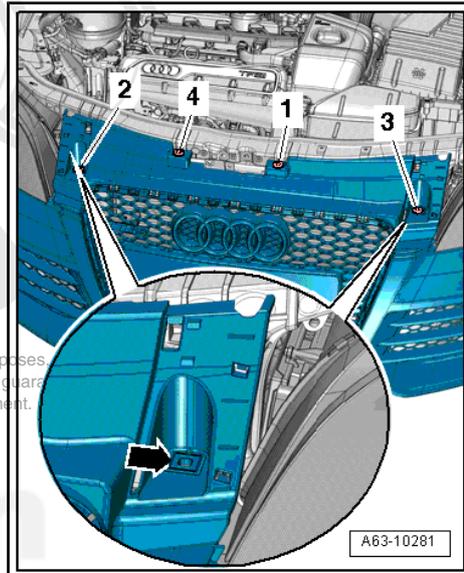
Installation

- Tightening specifications, refer to
 ⇒ ["1.2.1 Front Bumper Assembly Overview", page 156](#) ,
 ⇒ [page 157](#) .

Install in reverse order of removal. Note the following:

- Use the markings -arrow- on the radiator grille for exact adjustment in the longitudinal direction.
- Tighten the screws in the sequence -1-4-.

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2.2.2 Front Bumper Guide Piece

Removing

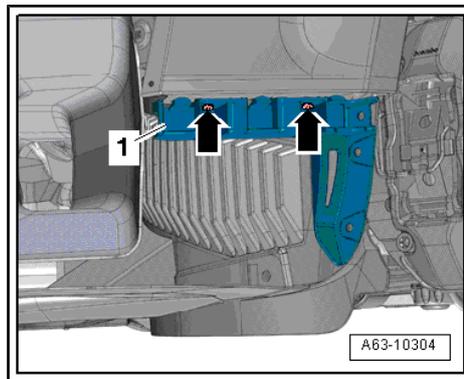
- Remove bumper. Refer to
 ⇒ ["2.2.1 Front Bumper", page 170](#) .
- Remove the screws -arrows- and guide piece -1- on the fender.

Installation

- For the correct tightening specifications, refer to
 ⇒ ["1.2.1 Front Bumper Assembly Overview", page 156](#) .

Install in reverse order of removal. Note the following:

- Install the bumper. Refer to
 ⇒ ["2.2.1 Front Bumper", page 170](#) .



2.2.3 Air Intake Grille

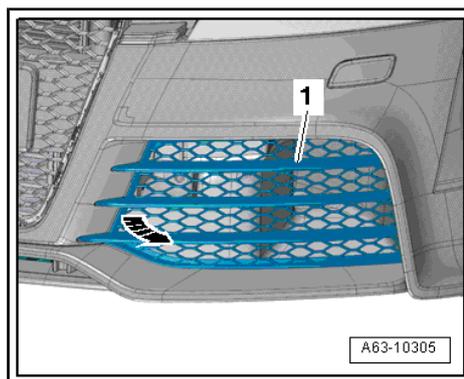
Removing

- Pull air intake grille -1- off of the bumper cover -arrow- and remove it.

Installation

Install in reverse order of removal. Note the following:

- The retaining tabs must engage completely in the bumper.



2.2.4 Inner Cover

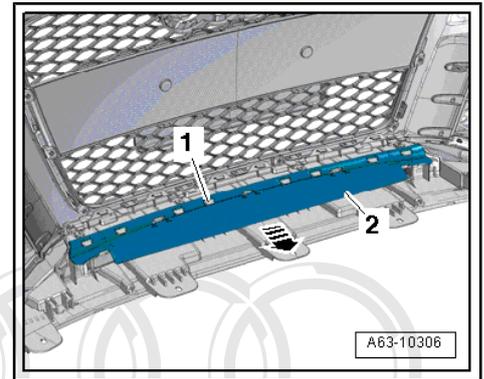
Removing

- Remove bumper. Refer to [⇒ "2.2.1 Front Bumper", page 170](#) .
- Release retaining tabs -1- and remove inner cover -2- -arrow-.

Installation

Install in reverse order of removal. Note the following:

- The retaining tabs must engage completely.
- Install the bumper. Refer to [⇒ "2.2.1 Front Bumper", page 170](#) .



2.2.5 Spoiler Upper Part

Removing

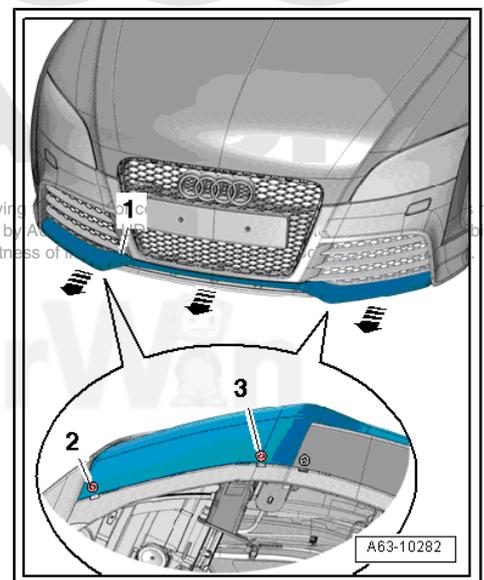
- Remove the bolts -2- and -3-.
- Remove spoiler upper part -1- on the outside starting at the bumper -arrows-.

Installation

- For the correct tightening specifications, refer to [⇒ "1.2.1 Front Bumper Assembly Overview", page 156](#) .

Install in reverse order of removal. Note the following:

- During installing, the retaining tabs must engage completely in the bumper.



2.2.6 Spoiler Lower Part

Removing

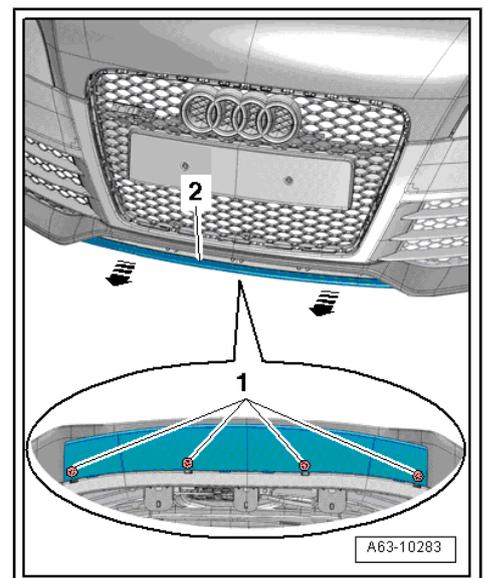
- Remove the bolts -1-.
- Remove spoiler lower part -2- on the outside starting at the bumper -arrows-.

Installation

- For the correct tightening specifications, refer to [⇒ "1.2.1 Front Bumper Assembly Overview", page 156](#) .

Install in reverse order of removal. Note the following:

- During installing, the retaining tabs must engage completely in the bumper.



2.2.7 Impact Absorber

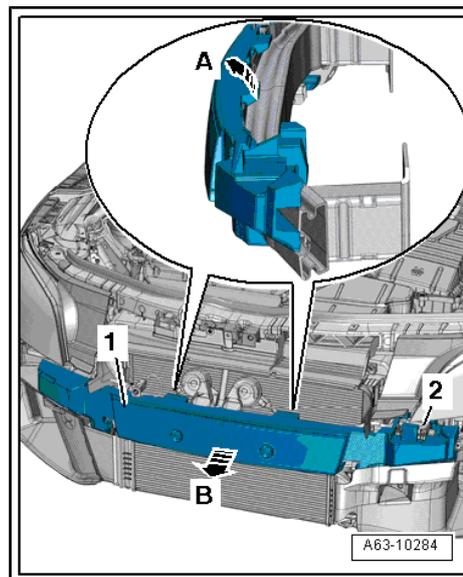
Removing

- Remove bumper. Refer to [⇒ "2.2.1 Front Bumper", page 170](#) .
- Remove garage door opener control module -J530- -2- if applicable. Refer to ⇒ Electrical Equipment; Rep. Gr. 96 ; Removal and Installation .
- Detach shock absorber -1- from the impact member -arrow A- and remove it toward the front -arrow B-.

Installation

Install in reverse order of removal. Note the following:

- Install garage door opener control module -J530- . Refer to ⇒ Electrical Equipment; Rep. Gr. 96 ; Removal and Installation .
- Install the bumper. Refer to [⇒ "2.2.1 Front Bumper", page 170](#) .



2.2.8 Impact Member

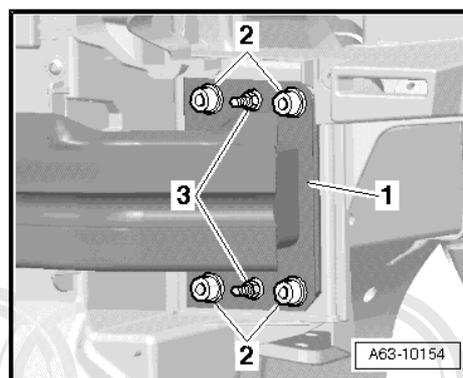
Removing

- Remove the impact absorber. Refer to [⇒ "2.2.7 Impact Absorber", page 174](#) .
- Unscrew screws -2- and remove clamping washers -3-.
- Remove the impact bar -1-.

Installation

Install in reverse order of removal. Note the following:

- For the correct tightening specifications, refer to [⇒ "1.2.2 Impact Member and Impact Absorber Assembly Overview", page 158](#) .
- Install the impact absorber. Refer to [⇒ "2.2.7 Impact Absorber", page 174](#) .



2.3 Rear Bumper - Audi TT

[⇒ "2.3.1 Rear Bumper", page 174](#)

[⇒ "2.3.2 Outer Guide Piece", page 176](#)

[⇒ "2.3.3 Inner Guide Piece", page 177](#)

[⇒ "2.3.4 Rear Bumper Cover Strip and Bracket", page 178](#)

[⇒ "2.3.5 Lower Cover", page 179](#)

[⇒ "2.3.6 Impact Member", page 180](#)

[⇒ "2.3.7 Rear Bumper Shock Absorber", page 181](#)

2.3.1 Rear Bumper



Note

Prior to removal of the bumper, the tail lamps must be removed.

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1 - Screws

- 1.5 Nm

2 - Rear Bumper

- To remove, remove bolts -1- on wheel housing liner, bolts -3- under cover strip
 ⇒ [Item 17 \(page 159\)](#)
 and bolts -5- from bracket -6-.
- First disengage bumper from outer guide piece, then remove toward rear from inner guide piece.

3 - Bolt

- Cover strip, removing
 ⇒ [page 178](#)
- 2.5 Nm

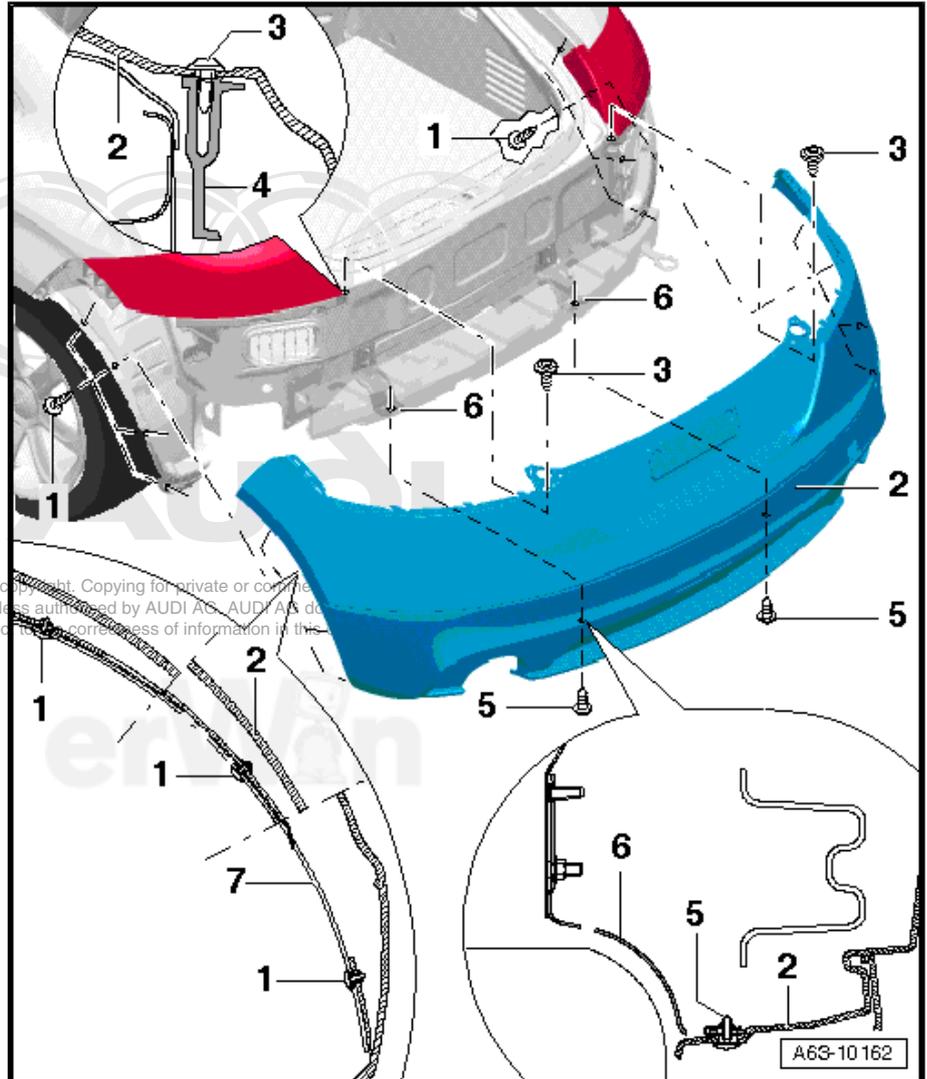
4 - Inner guide piece

5 - Bolt

- 2.5 Nm

6 - Bracket

7 - Wheel housing liner

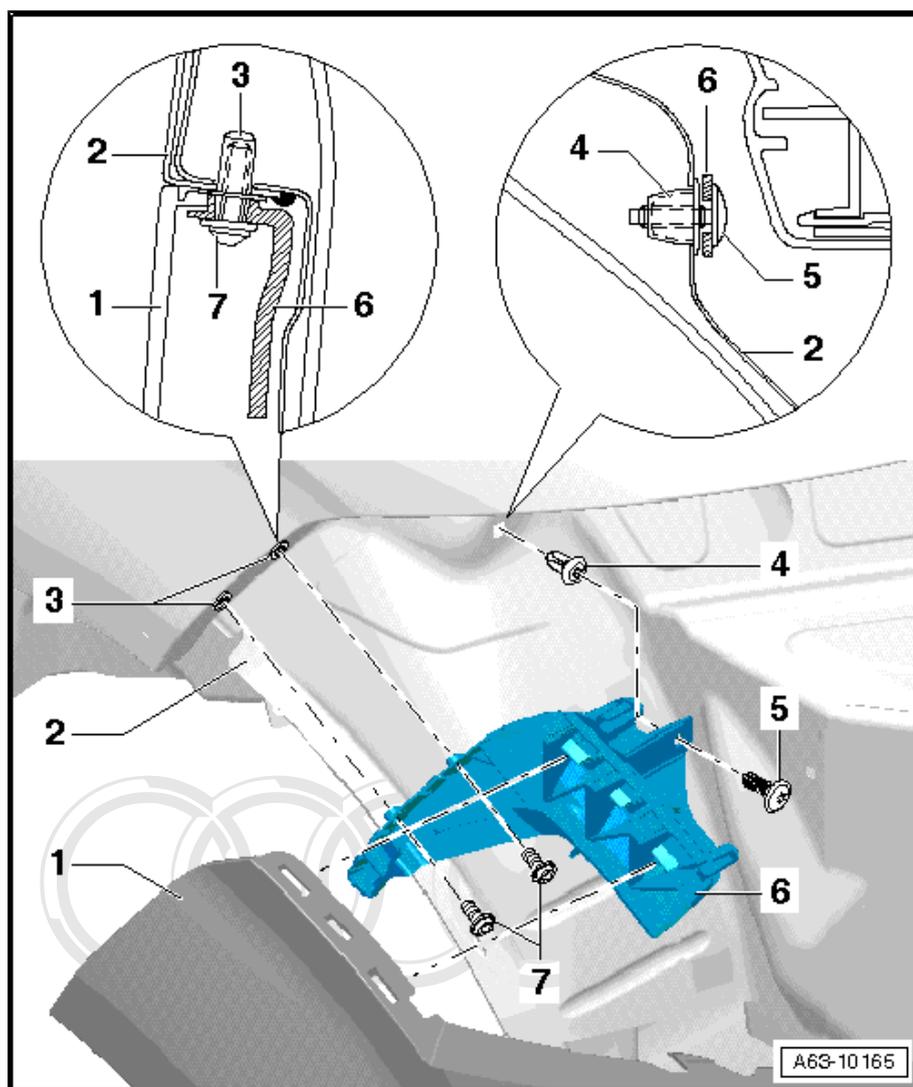


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2.3.2 Outer Guide Piece

Removing

- 1 - Rear Bumper
 - Removed
- 2 - Side panel
- 3 - Internally threaded pop rivet
 - Riveted into side panel.
- 4 - Clip
- 5 - Bolt
 - 2.5 Nm
- 6 - Guide piece
 - When installing, observe tightening sequence from bottom to top.
- 7 - Bolt
 - 2.5 Nm



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2.3.3 Inner Guide Piece

Removing

1 - Bolt

- 2.5 Nm

2 - Clip

- Slid into side panel.

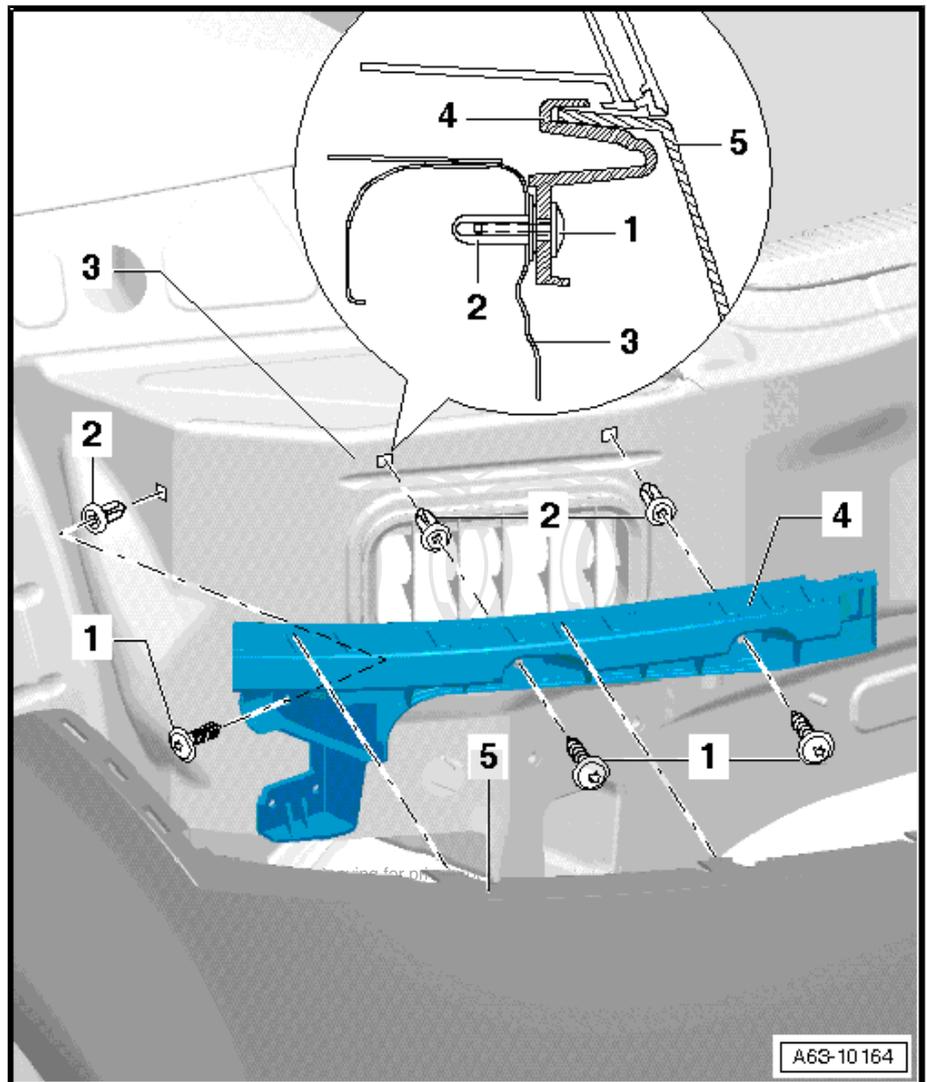
3 - Side panel

4 - Inner guide piece

- When installing, observe tightening sequence from inside toward outside.

5 - Rear Bumper

- Removed

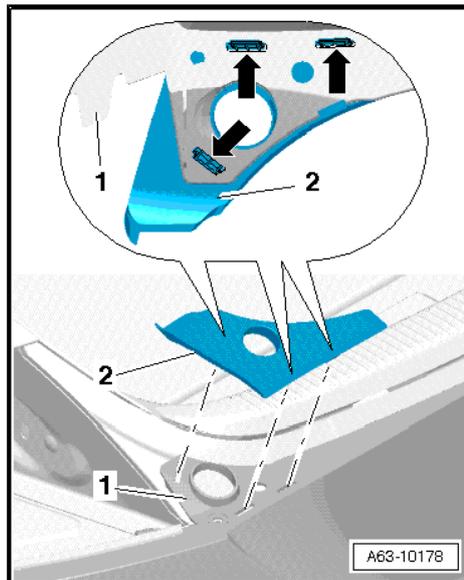


2.3.4 Rear Bumper Cover Strip and Bracket

Cover Strip

Removing

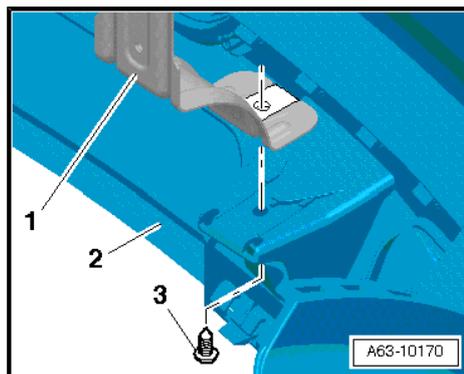
- Unclip cover strip on upper bumper from retainers -arrows-.



Lower Bumper Threaded Connection

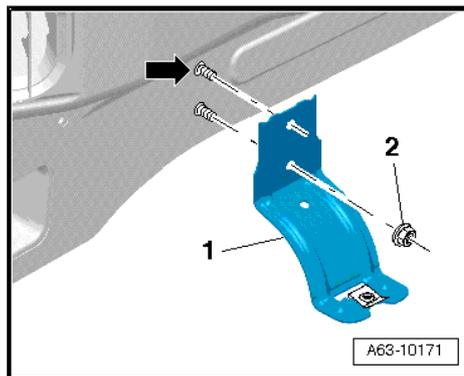
- Remove bolt -3- from bracket -1- from bottom side of bumper.

Bracket



Removing

- ◆ Nut -2- = 4 Nm



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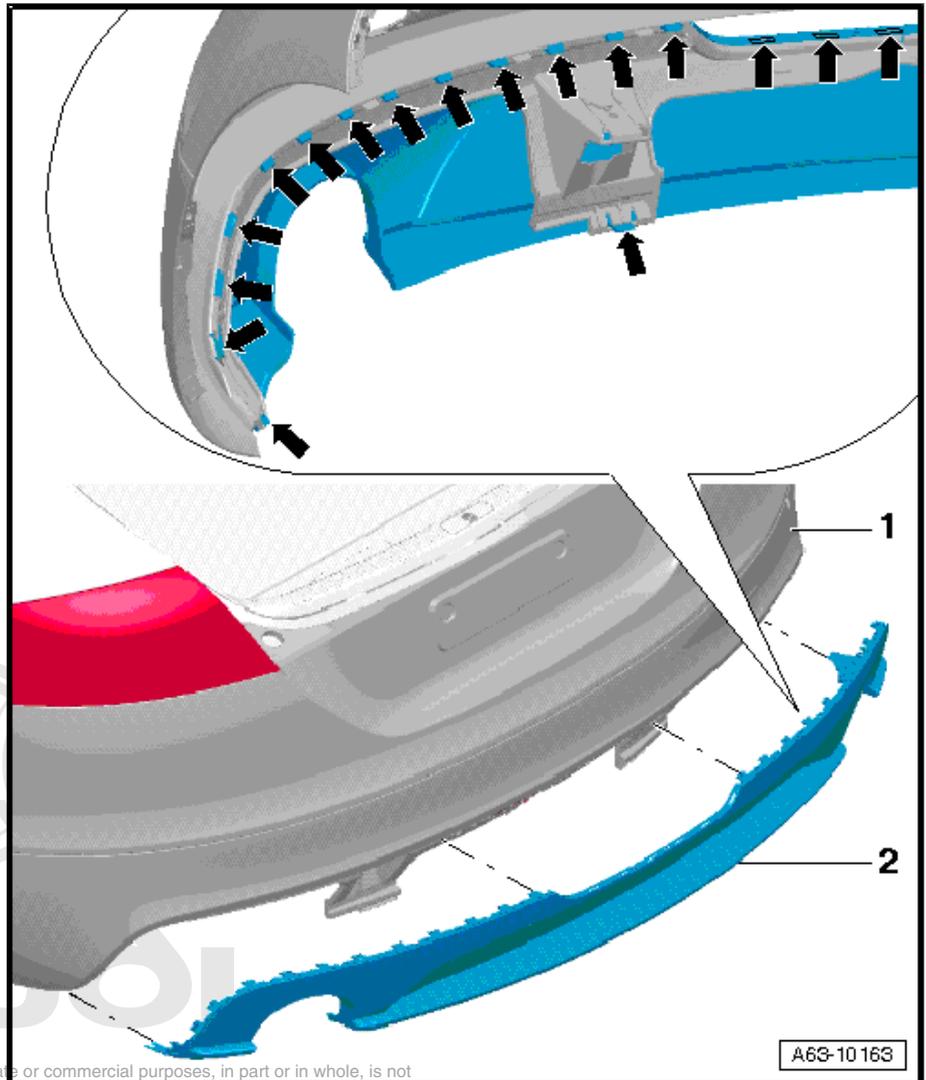
2.3.5 Lower Cover

Removing

1 - Rear Bumper

2 - Lower cover

- To remove, bumper must not be removed.
- Unclip from bumper in stages rear.



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A63-10 163

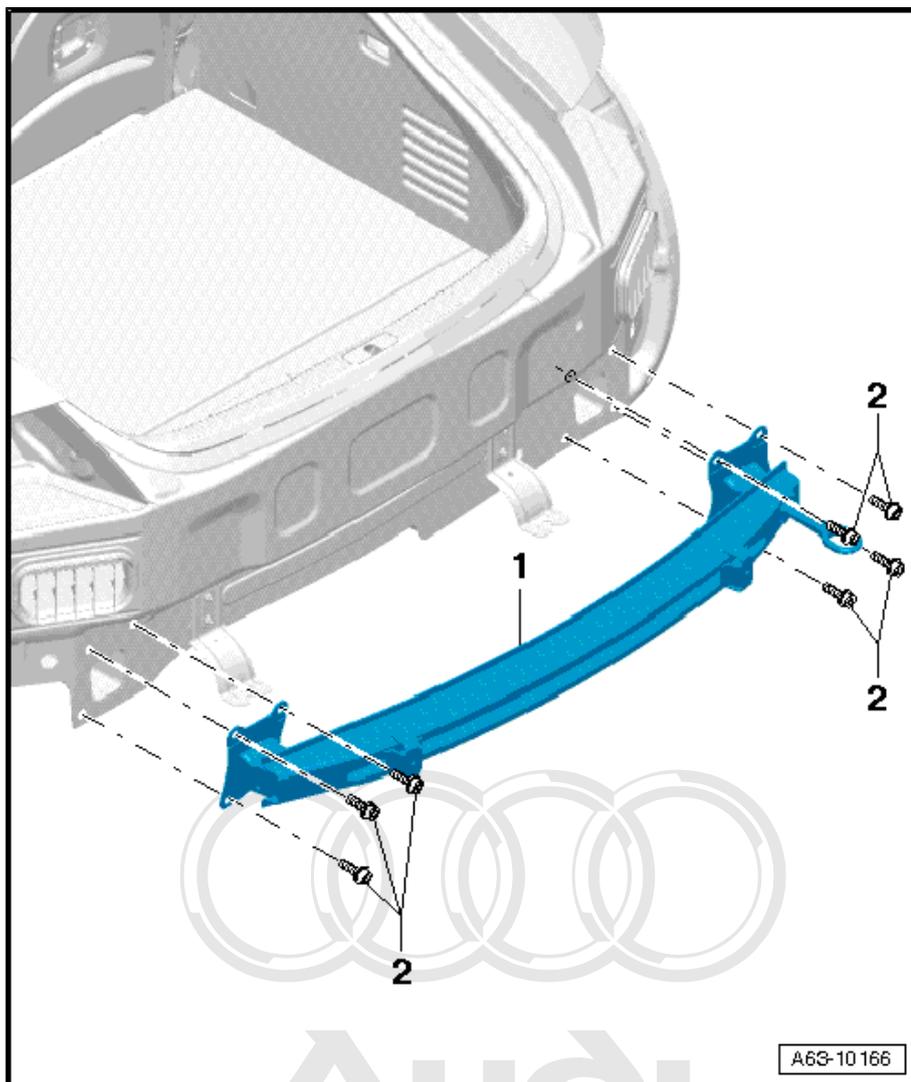
2.3.6 Impact Member

1 - Side impact member

- ❑ Remove bolts -2- (quantity: 7)

2 - Bolt

- ❑ 23 Nm



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2.3.7 Rear Bumper Shock Absorber

Removing

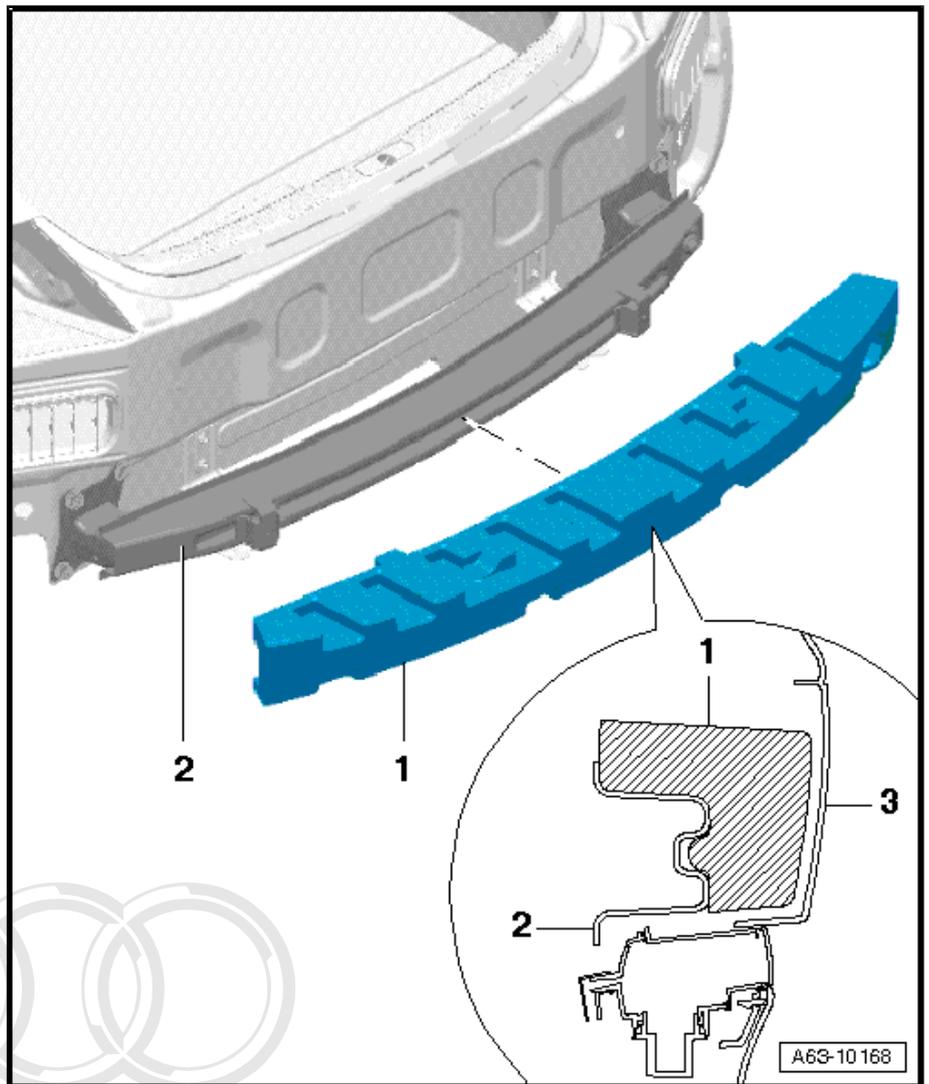
1 - Impact absorber

- Observe country-specific versions.
- Slid into impact member.

2 - Side impact bar

3 - Bumper

- Removed



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2.4 Rear Bumper - Audi TT RS

⇒ ["2.4.1 Rear Bumper", page 182](#)

⇒ ["2.4.2 Rear Bumper Spoiler", page 184](#)

⇒ ["2.4.3 Diffuser Trim", page 185](#)

⇒ ["2.4.4 Exhaust Pipe Trim", page 185](#)

⇒ ["2.4.5 Impact Absorber", page 186](#)

⇒ ["2.4.6 Impact Member", page 186](#)

⇒ ["2.4.7 Rear Bumper Bracket", page 187](#)

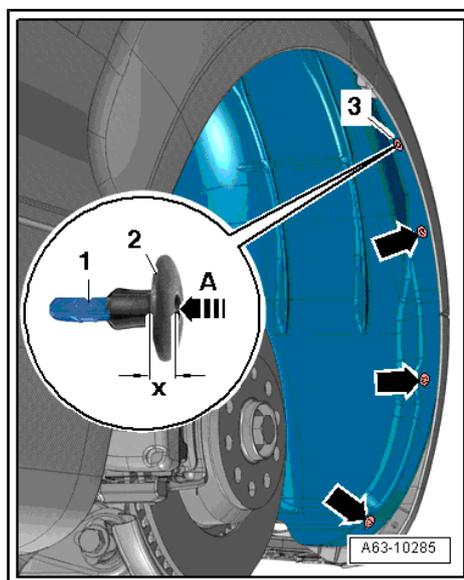
⇒ ["2.4.8 Guide Piece", page 187](#)

⇒ ["2.4.9 Inner Guide Piece", page 188](#)

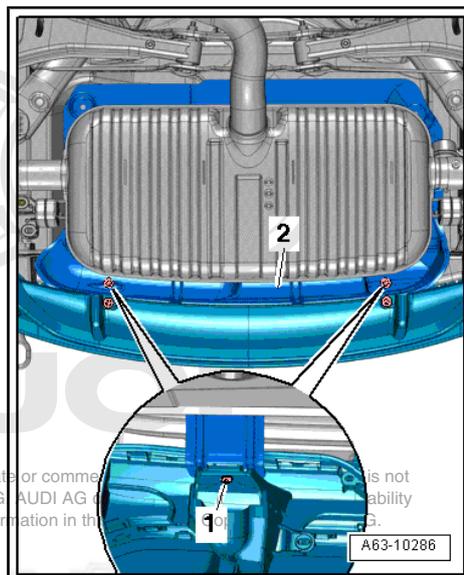
2.4.1 Rear Bumper

Removing

- Remove the screws -arrows- from the wheel housing liner and remove expanding clip -3-.
- To remove the expanding clip, press in clamping pin -1- carefully by dimension -x- until it audibly engages in the expanding clip -arrow A-.
- Dimension -x- = 5 mm
- Pull out unlocked expanding clip -2- with the clamping pin.

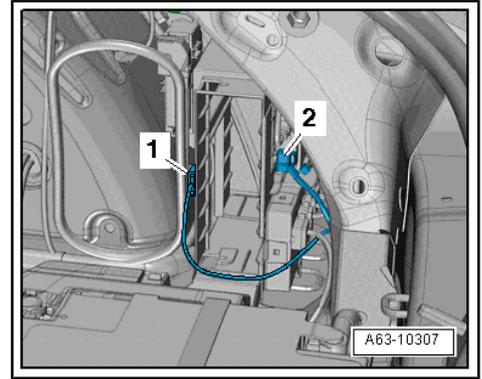


- Bend heat shield -2- back slightly in the area of the screws.
- Remove the bolt -1-.

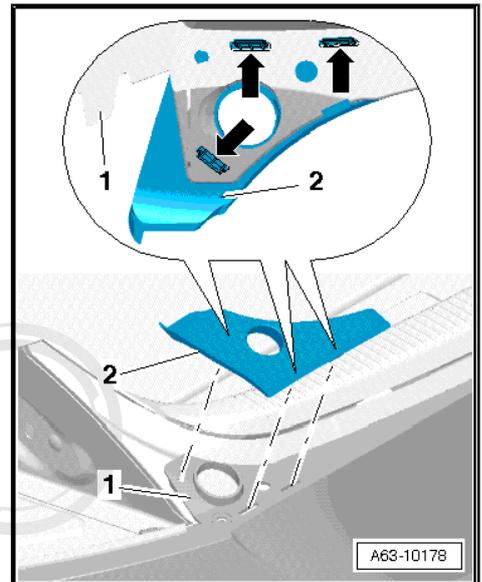


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- Remove the left and right tail lamp. Refer to ⇒ Electrical Equipment; Rep. Gr. 94 ; Removal and Installation .
- Remove the right luggage compartment side trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Disconnect fog lamp electrical harness connector -1-.
- In the case of vehicles with a parking aid, disconnect electrical harness connector -2-.



- Unclip cover strip -2- on upper bumper -1- from the locking mechanisms -arrows - and remove.



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- Remove the bolt -2-.
- Remove the bumper laterally toward the outside from the body -arrow A-.
- Disengage the bumper from the clips by releasing retaining tabs -1-.
- Disengage the bumper on the rear guide piece from the clips by releasing retaining tabs -3-.

 **Note**

If retaining tabs -3- cannot be released, the strip on the guide piece must be carefully lifted -arrow B-.

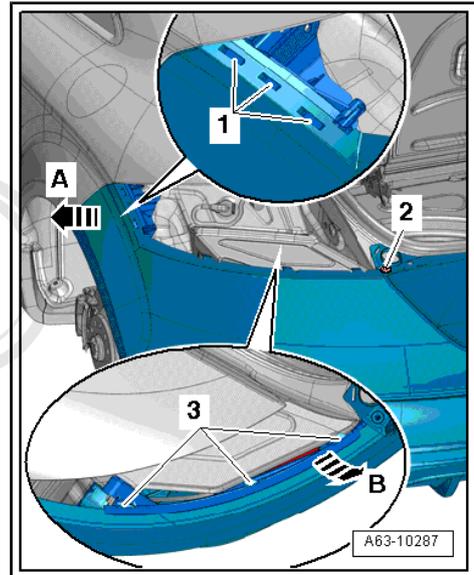
- Thread the electrical wiring harness out of the body opening and remove the bumper.

Installation

- For the correct tightening specifications, refer to ⇒ ["1.4.1 Rear Bumper Assembly Overview", page 160](#)

Install in reverse order of removal. Note the following:

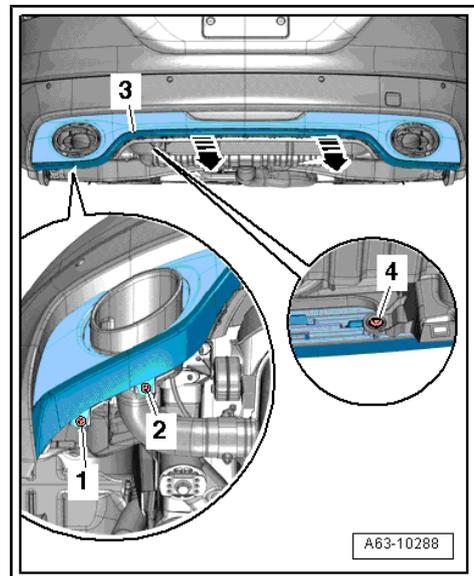
- The bumper must engage completely.
- Install the left and right tail lamp. Refer to ⇒ Electrical Equipment; Rep. Gr. 94 ; Removal and Installation .
- Install the rear wheel housing liner. Refer to ⇒ ["3.8.2 Rear Wheel Housing Liner", page 256](#) .



2.4.2 Rear Bumper Spoiler

Removing

- Remove the diffuser trim. Refer to ⇒ ["2.4.3 Diffuser Trim", page 185](#) .
- Remove screw -4- on the left and right.
- Remove screws -1- and -2- on the lower trim.
- Remove lower trim -3- on the rear bumper -arrows-.



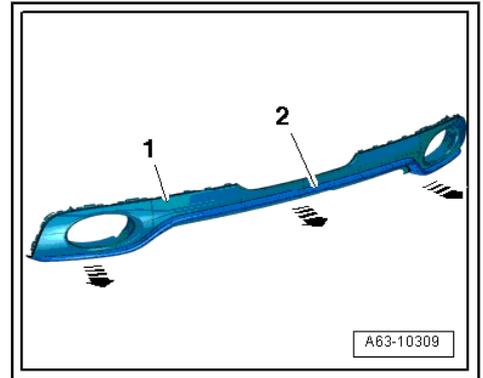
- Remove spoiler -2- on lower trim -1- -arrows-.

Installation

- For the correct tightening specifications, refer to [⇒ "1.4.1 Rear Bumper Assembly Overview", page 160](#) .

Install in reverse order of removal. Note the following:

- The spoiler and the lower trim must engage completely.
- Install the diffuser trim. Refer to [⇒ "2.4.3 Diffuser Trim", page 185](#) .



2.4.3 Diffuser Trim

Removing

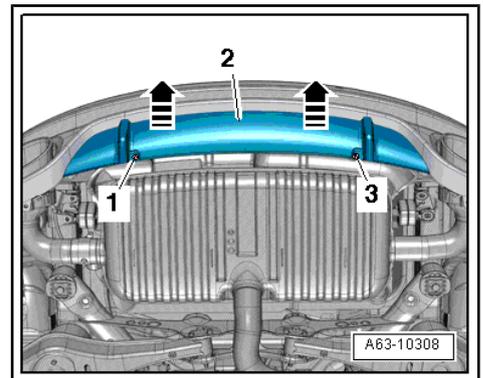
- Remove the bolts -1- and -3-.
- Remove diffuser trim -2- -arrows-.

Installation

- For the correct tightening specifications, refer to [⇒ "1.4.1 Rear Bumper Assembly Overview", page 160](#) .

Install in reverse order of removal. Note the following:

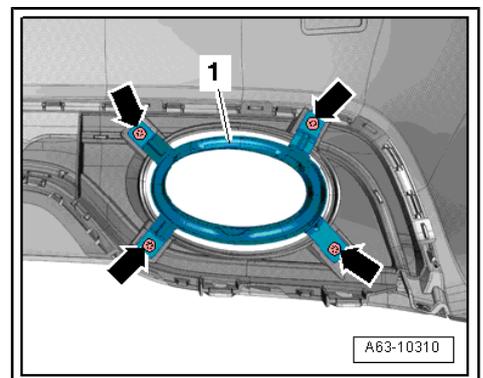
- The diffuser trim must engage completely.



2.4.4 Exhaust Pipe Trim

Removing

- Remove the rear bumper. Refer to [⇒ "2.4.1 Rear Bumper", page 182](#)
- Remove the bolts -arrows-.
- Remove the exhaust pipe trim -1- inward from the bumper cover.



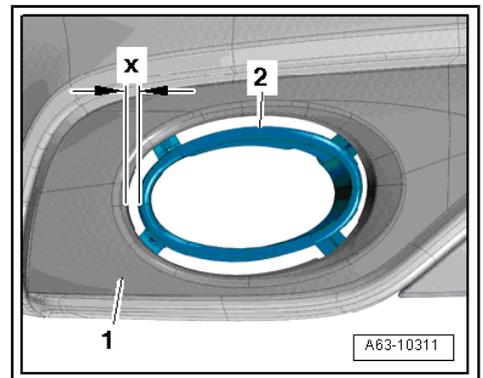
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Installation

- For the correct tightening specifications, refer to [⇒ "1.4.1 Rear Bumper Assembly Overview", page 160](#) .

Install in reverse order of removal. Note the following:

- Check the distance of exhaust pipe trim -2- from bumper cover -1-:
- Dimension -x- = uniform gap.
- Install the rear bumper. Refer to [⇒ "2.4.1 Rear Bumper", page 182](#) .



2.4.5 Impact Absorber

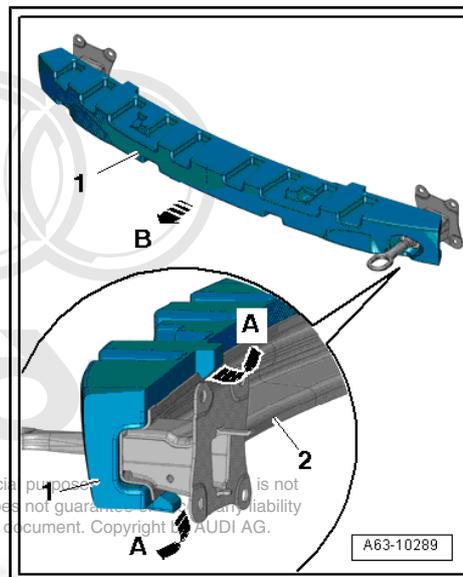
Removing

- Remove bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .
- Detach shock absorber -1- from impact member -2- -arrows A- and remove toward the back -arrow B-.

Installation

Install in reverse order of removal. Note the following:

- Install the bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .



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2.4.6 Impact Member

Removing

- Remove bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .
- Remove the bolts -arrows-.



Note

There is a different number of screws on the left and right.

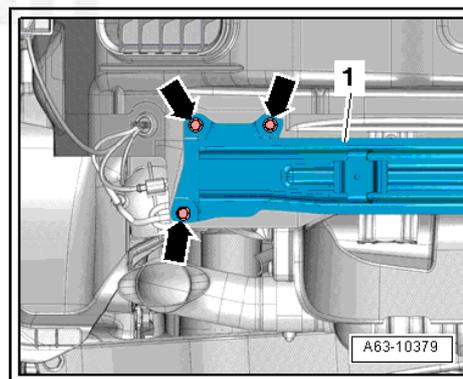
- Remove the impact bar -1-.

Installation

- For the correct tightening specifications, refer to ⇒ [“1.4.2 Impact Member, Shock Absorber and Guide Piece Assembly Overview”, page 161](#) .

Install in reverse order of removal. Note the following:

- Install the bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .



2.4.7 Rear Bumper Bracket

Removing

- Remove bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .
- Remove the nut -2-.
- Remove bumper bracket -1- from the body.

Installation

- For the correct tightening specifications, refer to ⇒ [“1.4.2 Impact Member, Shock Absorber and Guide Piece Assembly Overview”, page 161](#) .

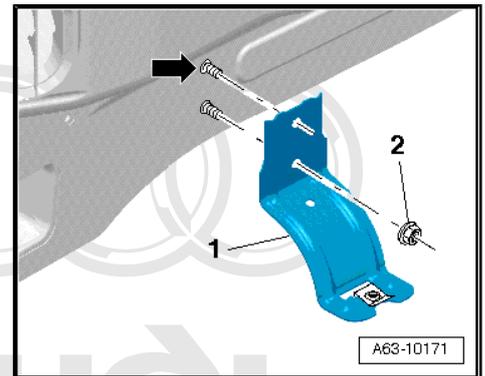
Install in reverse order of removal. Note the following:



Note

The threaded pin -arrow- is only used for fastening the bracket.

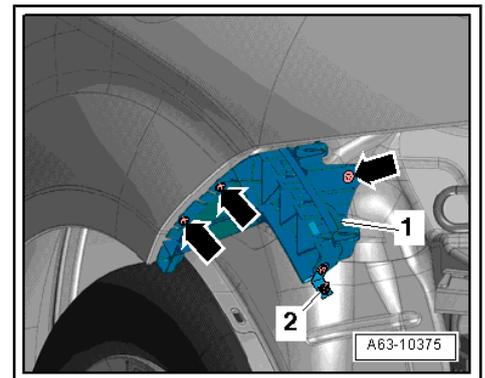
- Install the bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .



2.4.8 Guide Piece

Removing

- Remove bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .
- Remove the screws -arrows- and nuts -2-.
- Remove guide piece -1-.

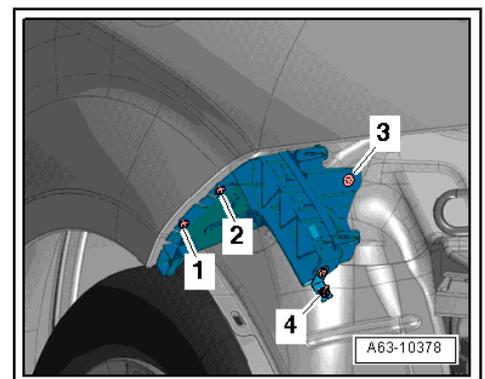


Installation

- For the correct tightening specifications, refer to ⇒ [page 162](#) .

Install in reverse order of removal. Note the following:

- Tighten the screws and nuts in the following sequence: -1 through 4-.
- Install the bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .

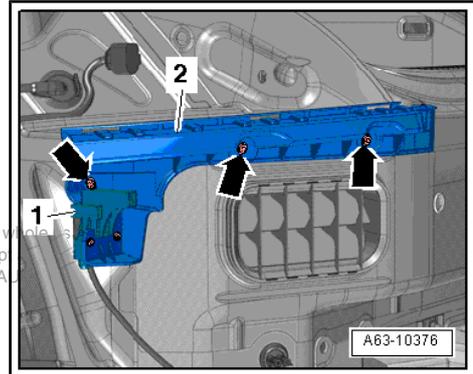


2.4.9 Inner Guide Piece

Removing

- Remove bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .
- Remove Radio frequency controlled clock receiver -J489- -1- if applicable. Refer to ⇒ Electrical Equipment; Rep. Gr. 90 ; Removal and Installation .
- Remove the bolts -arrows-.
- Remove inner guide piece 2-.

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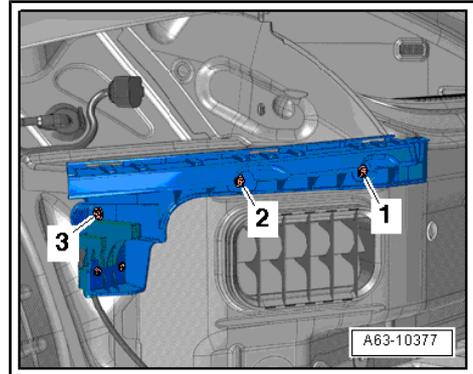


Installation

- For the correct tightening specifications, refer to ⇒ [page 162](#) .

Install in reverse order of removal. Note the following:

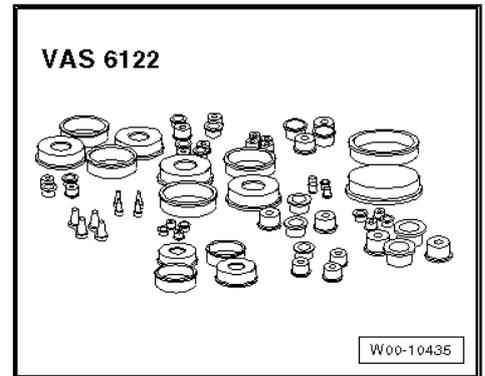
- Tighten the screws in the sequence -1-3-.
- Install the bumper. Refer to ⇒ [“2.4.1 Rear Bumper”, page 182](#) .



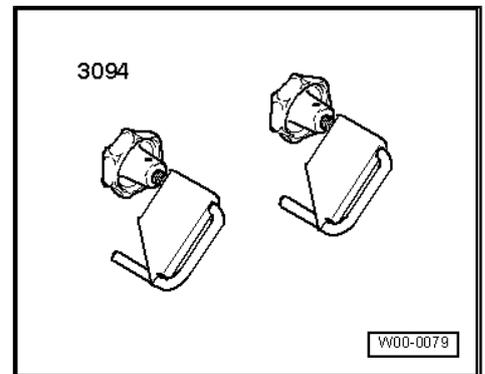
3 Special Tools

Special tools and workshop equipment required

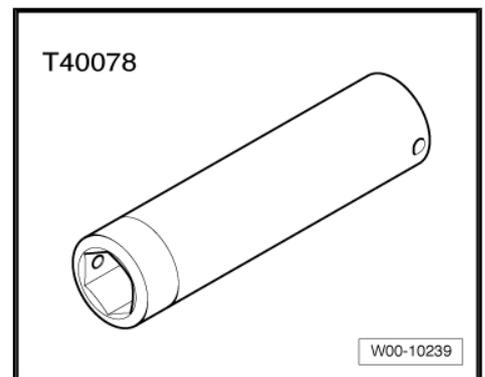
- ◆ Hose Clamps up to 25 mm diameter. -3094-
- ◆ Socket -T40078-
- ◆ Engine bung set -VAS 6122-



- ◆ Hose Clamps up to 25 mm diameter. -3094-



- ◆ Socket -T40078-



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64 – Glass, Window Regulators

1 Description and Operation

⇒ "1.1 Flush-Bonded Windows", page 190

⇒ "1.2 Bolted Windows", page 193

1.1 Flush-Bonded Windows

⇒ "1.1.1 Windshield Assembly Overview - Coupe", page 190

⇒ "1.1.2 Windshield Assembly Overview - Roadster", page 191

⇒ "1.1.3 Side Window Assembly Overview", page 192

⇒ "1.1.4 Rear Window Assembly Overview", page 192

1.1.1 Windshield Assembly Overview - Coupe

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1 - Windshield

- ❑ Distance to roof dimension -a- = 2 mm.
- ❑ Even out side distance dimension -c- = 3 mm.

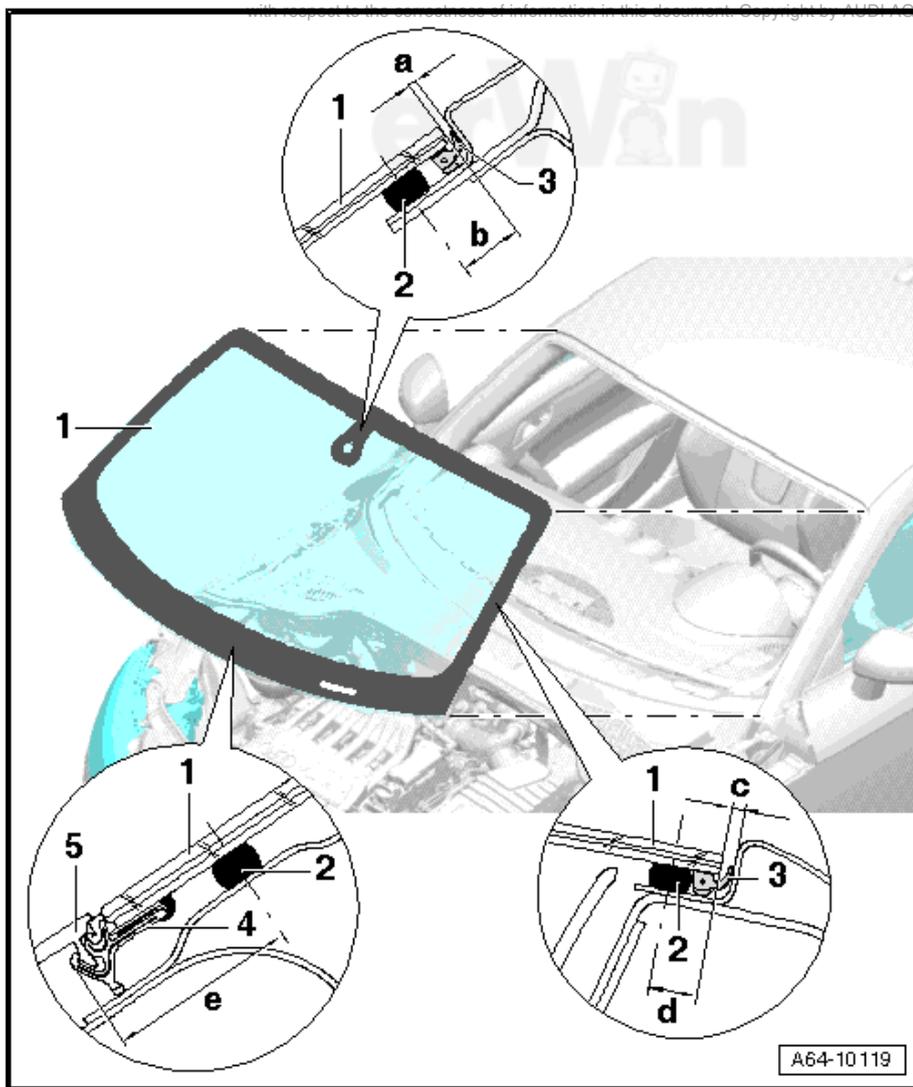
2 - Adhesive sealing material

- ❑ Observe minimum curing time ⇒ page 197 .
 - ❑ Apply adhesive directly near window molding or lower molding.
- Dimension -d- = 8 mm +/- 2 mm
 - Dimension -e- = 23 mm +/- 2 mm

3 - Molding

- ❑ To remove, pull off of window edge.
- ❑ Before installing, completely remove adhesive residue from molding using a window scraper.
- ❑ Cut adhesive bead back from window adhesive but do not remove completely.
- ❑ Clean adhesive surface with Cleaning Solution - D 009 401 04- .

Caution
 Do not apply any bonding agents to the cut adhesive bead.



- ❑ Apply Bonding Agent -D 009 200 02- to adhesive surface and let dry 10 minutes.

4 - Plenum chamber cover molding

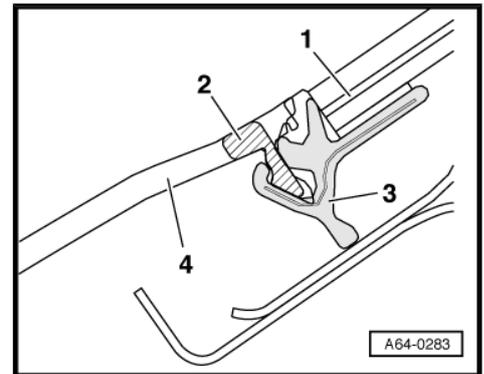
- No replacement part
- With a new window, protective piping must first be removed before installing plenum chamber cover.

5 - Plenum chamber cover

- Press into retaining strip only after window adhesive curing time is complete (3 hours).

Removing Protective Tubing

- With a new windshield -1-, protective tubing -2- must be removed from molding -3- before installing plenum chamber cover -4-.



1.1.2 Windshield Assembly Overview - Roadster

1 - Windshield

- Distance to roof dimension -a- = 2 mm.
- Even out side distance dimension -c- = 3 mm.

2 - Adhesive sealing material

3 - Spacer

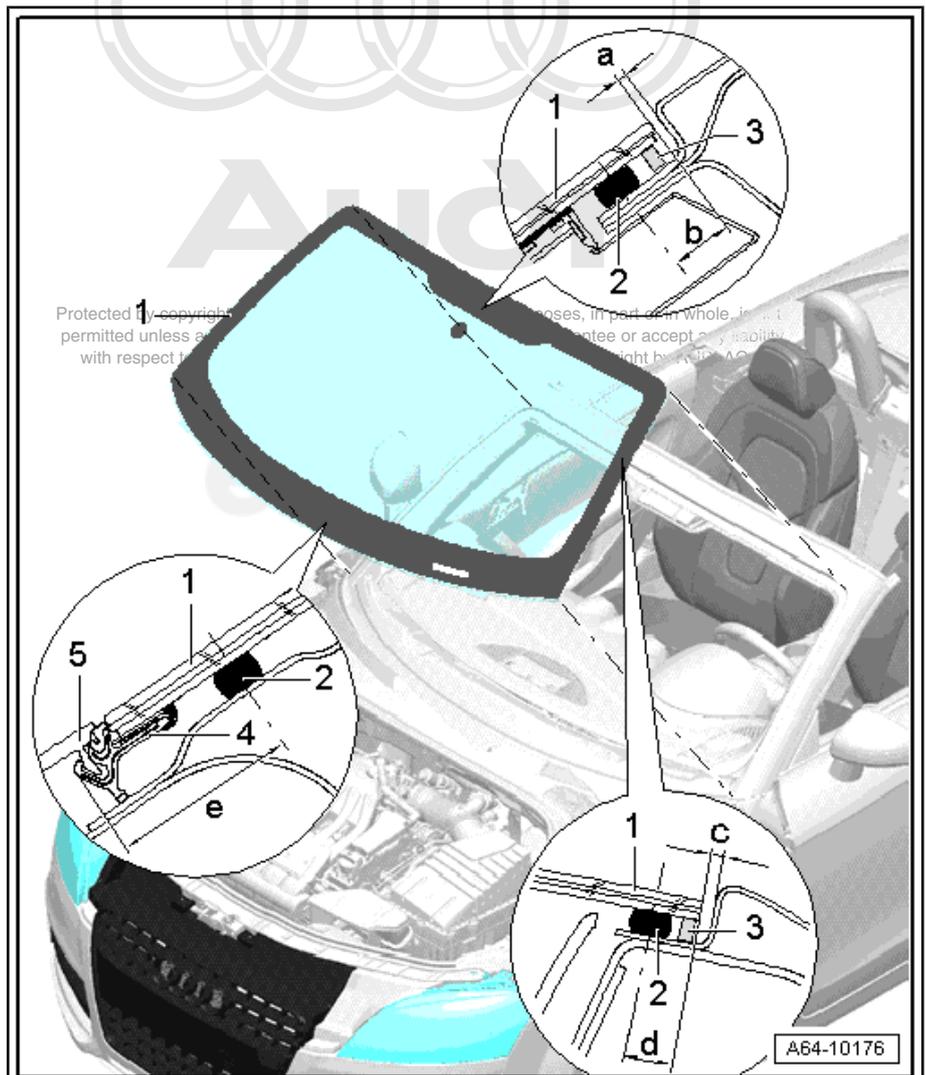
- Bond the same number in the same positions as on the removed window.

4 - Plenum chamber cover molding

- No replacement part
- With a new window, protective piping must first be removed before installing plenum chamber cover.

5 - Plenum chamber cover

- Press into retaining strip only after window adhesive curing time is complete (3 hours).



1.1.3 Side Window Assembly Overview

1 - Side Window

- When installing, press in window with securing pin at »C-pillar«, then insert in window opening and secure with pop rivets in »B-pillar« area.
- If a removed window is reinstalled, window must be secured to »C-pillar« with adhesive tape.

2 - Pop rivet

- To remove side window, drill out rivet heads and drive out rivet shafts.

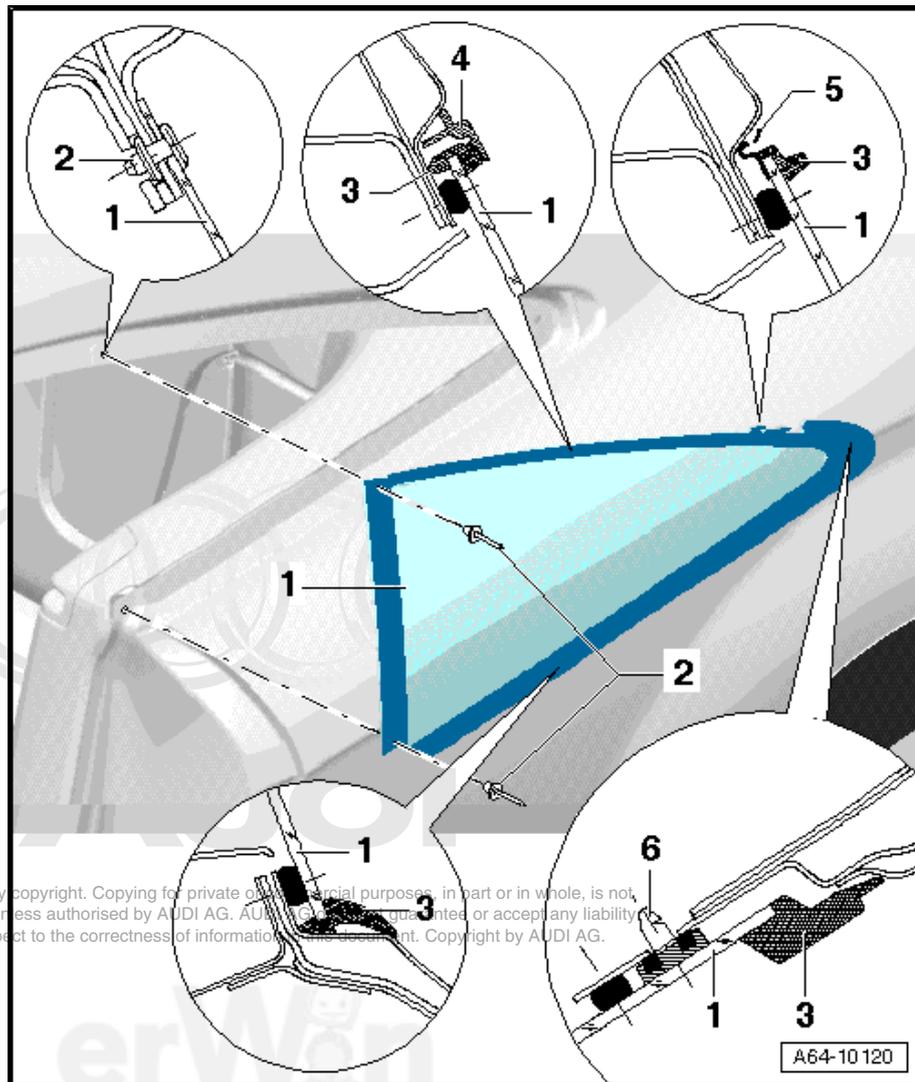
3 - Retaining clip

4 - Roof trim molding

- Before roof trim molding can be removed from the clips, pop rivets in upper door area must first be removed. Refer to [⇒ "3.1.1 Roof Trim Molding", page 227](#).

5 - Securing pin

- No replacement part
- Is cut through during window removal



1.1.4 Rear Window Assembly Overview



WARNING

When removing a window, always wear protective eyewear and leather gloves.

1 - Rear Window

- Distance -a- to upper lid edge = 2 mm
- Even out distance -b- to side lid edge = 2.5 mm.
- Before removing, disconnect all electrical connectors and secure to inside center of window with adhesive tape.
- When installing, center window all around in window opening.**

2 - Adhesive sealing material

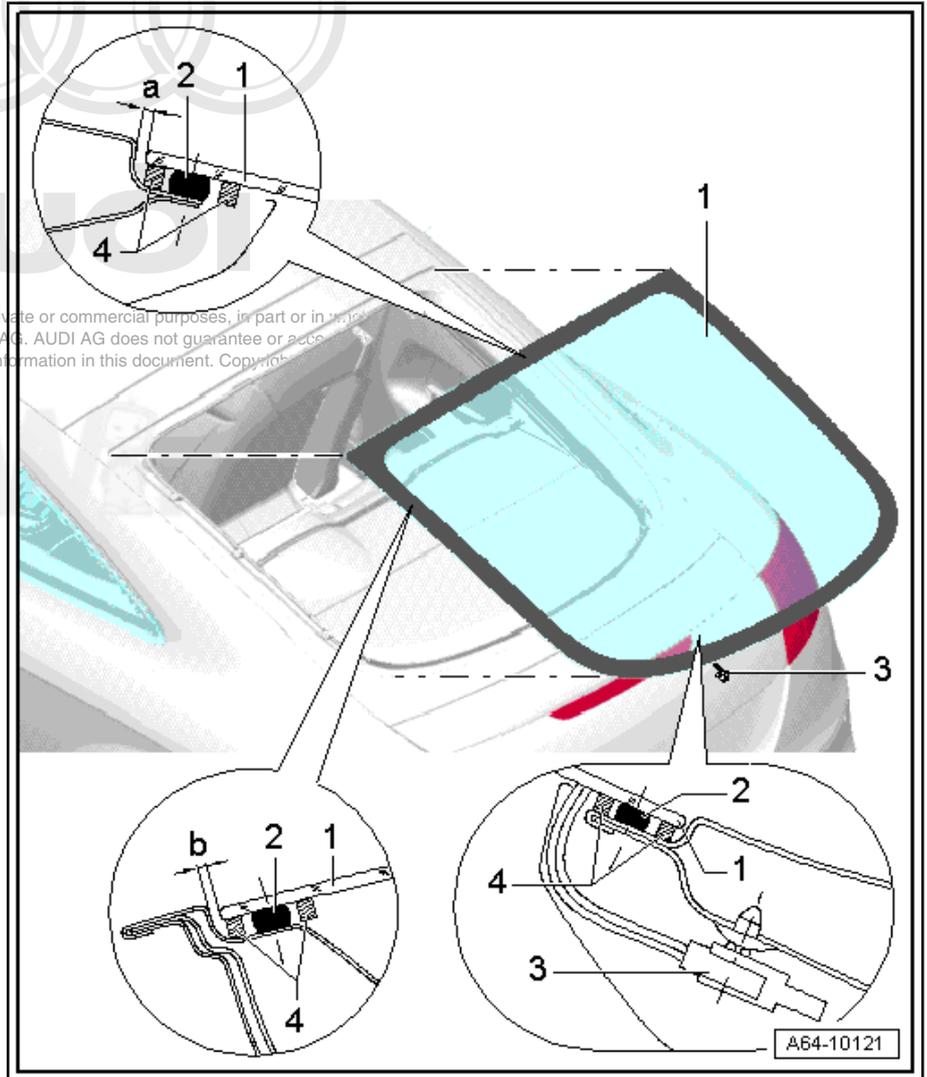
- Apply all around between adhesive stopper profiles
- Bead width = 8 mm +/- 2 mm
- Bead height = 12 mm +2mm

3 - Connector

- Disconnect when removing window.
- Clipped into lid flange.

4 - Adhesive stopper profile

- Apply window adhesive between profiles.



Undamaged Rear Window, Removing

- Remove rear lid trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Disconnect rear window defroster and window antenna connectors and secure to center of window with adhesive tape.

1.2 Bolted Windows

⇒ ["1.2.1 Door Window, Adjusting", page 193](#)

1.2.1 Door Window, Adjusting

Special tools and workshop equipment required

- ◆ Template -T40038/7-
- ◆ Side window installation tool -V.A.G 1739- and screwdriver Torx T25 -T10248-

Height Adjustment



Door trim must not be removed for height adjustment.

- Height adjustment, checking ⇒ [page 73](#)

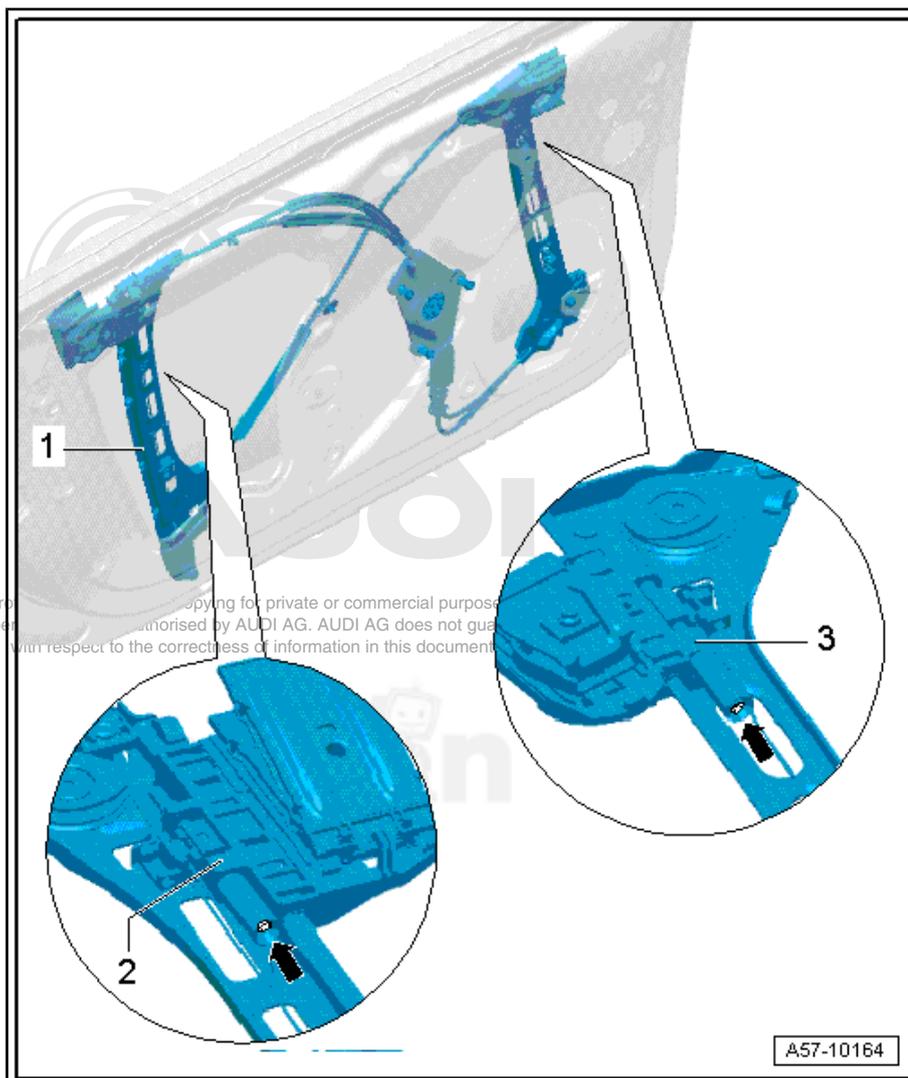
1 - Rear height stop

- ❑ Completely lower the window regulator.
- To adjust height, guide a hex socket wrench and 5 mm socket into adjusting sleeve from underside of door through door plate.
- Adjust stop up or down accordingly.

 **Note**

2 - Front height stop

- ❑ It is adjusted as with the rear height stop.



Side Adjustment

- Adjustment, checking, refer to ⇒ [page 73](#)

1 - Window regulator

- Removing and installing, refer to
 ⇒ ["2.2.1 Window Regulator", page 87](#)

2 - Door

3 - Nut

- 9 Nm

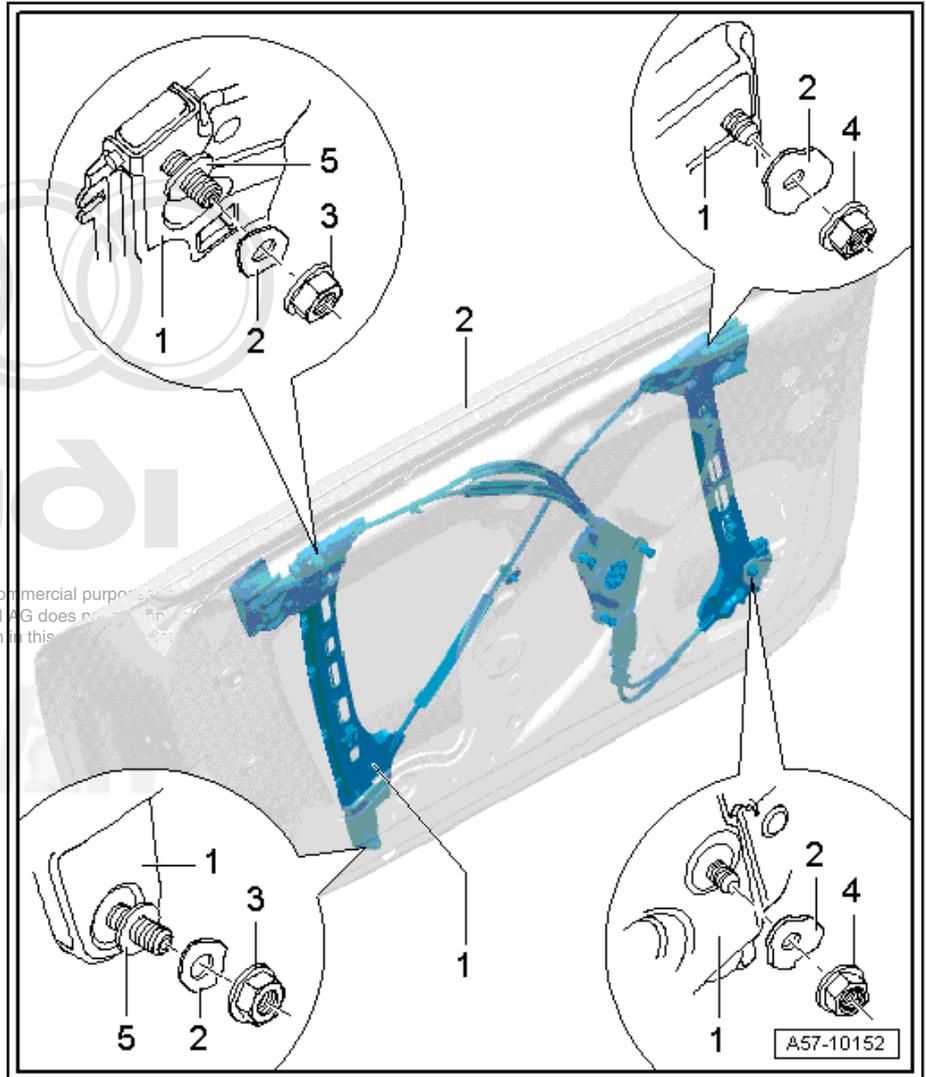
4 - Nut

- 9 Nm

5 - Collar screw

- For a lateral adjustment, loosen the upper or lower nuts -3- with the - V.A.G 1739- and unscrew or screw in the upper or lower collar screw accordingly.

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2 Removal and Installation

⇒ ["2.1 Flush-Bonded Windows", page 196](#)

⇒ ["2.2 Bolted Windows", page 212](#)

2.1 Flush-Bonded Windows

⇒ ["2.1.1 Flush-Bonded Windows", page 196](#)

⇒ ["2.1.2 Windshield", page 197](#)

⇒ ["2.1.3 A-Pillar Seal", page 203](#)

⇒ ["2.1.4 Side Window", page 204](#)

⇒ ["2.1.5 Rear Window", page 207](#)

2.1.1 Flush-Bonded Windows

Special tools and workshop equipment required

- ◆ Removal Kit for Flush-Bonded Windows -V.A.G 1474 A- or -V.A.G 1474 B-
- ◆ Suction lifter -V.A.G 1344-
- ◆ Cutting tools for glass -V.A.G 1351-
- ◆ Window removing kit -V.A.G 1755-
- ◆ Cartridge gun -V.A.G 1628-
- ◆ Cartridge heater -V.A.G 1939 A-
- ◆ Window cutter -V.A.G 1561 A-
- ◆ Cutting blade (58 mm) -V.A.G 1561/2-
- ◆ Cutting blade (U-shaped) -V.A.G 1561/3-
- ◆ Scraper (25 mm) -V.A.G 1561/8-
- ◆ Cutting blade, bent at right angle -V.A.G 1561/10-
- ◆ Double cartridge gun -VAS 5237-
- ◆ Spooling tool -V.A.G 1654 A-
- ◆ Window Repair Kit -VAS 6092-

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Servicing windows with Window Repair Kit -VAS 6092-

- ◆ Windshields with stone damage can be repaired with the Window Repair Kit -VAS 6092- .
- ◆ These damaged areas must not exceed a certain dimension or lie within the driver's field of sight.
- ◆ For further details on use, refer to operating instructions enclosed with each kit.

Materials
◆ 2K-Window Adhesive Kit -DA 004 600 A2- , refer to ^{1) 2)}
◆ 1K-window adhesive -DH 009 100 03- , refer to ^{3) 4)}
◆ Glass and paint primer -D 009 200 02-
◆ Cleaning solution -D 009 401 04-
◆ Applicator -D 009 500 25-
◆ Adhesive remover -D 002 000 10-

Materials
◆ Cutting cord -357 853 999-
◆ Cutting cord -357 845 955-

- 1) Observe minimum curing time.
- 2) Double cartridge pistol -VAS 5237- must be used to process this material.
- 3) Heat according to manufacturer instructions using cartridge heater -V.A.G 1939 A- .
- 4) Small cartridge (110 ml) for sealing and/or when a 400 ml double cartridge is not sufficient.

Minimum Curing Times

 **WARNING**
 ◆ *For safety reasons, use only electrically non-conductive 2C-adhesive when installing windshield and rear window using the materials listed below.*
 ◆ *The vehicle can only be used after the minimum curing time has elapsed.*

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Window type	Vehicle	Adhesive sealing material	Curing time in hours
Windshield	with/without airbag	2K Window Adhesive Kit -DA 004 600 A2-	3
Rear lid Coupe		2K Window Adhesive Kit -DA 004 600 A2-	3
Side windows		1K window adhesive -DH 009 100 03-	3

Adhesive Sealant, Removing from Window

Using adhesive remover -D 002 000 10- is recommended. Always follow the safety precautions when using adhesive remover.

 **Caution**
When cleaning from vehicle interior out, the window just installed must not be pressed outward.

Paint Surfaces

- Clean the painted surface with a dry cloth. Clean off any dirt with adhesive remover -D 002 000 10- .

Plastic Trim

- Allow the adhesive sealant to harden (approximately 1 hour) and then peel it off.

2.1.2 Windshield

Windshield, Removing

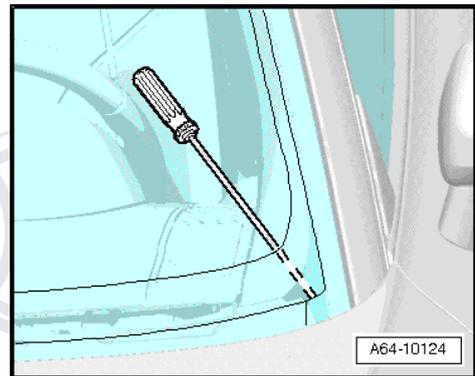
- Remove windshield wiper arms. Refer to ⇒ Electrical Equipment; Rep. Gr. 92 ; Removal and Installation .
- Remove cowl panel trim.

- Remove left, center and right sun visors. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Remove the interior rearview mirror. Refer to ⇒ Body Interior; Rep. Gr. 68 ; Removal and Installation .
- Remove upper A-pillar trim on left and right. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .

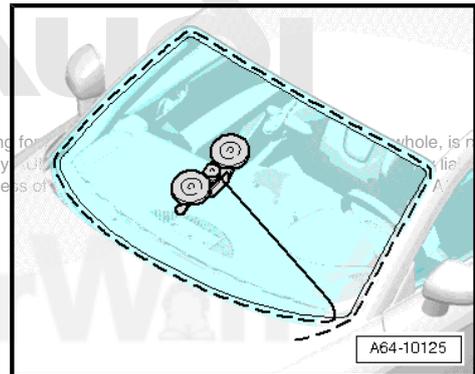
**WARNING**

When removing a window, always wear protective eyewear and leather gloves.

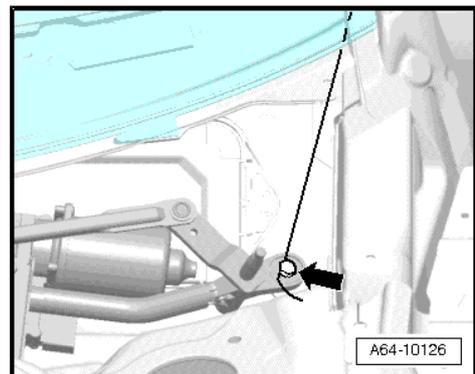
- Use awl to pierce through adhesive sealing material on lower left of window from inside to outside.
- Pull cutting cord through adhesive sealing material into inside of vehicle using awl.



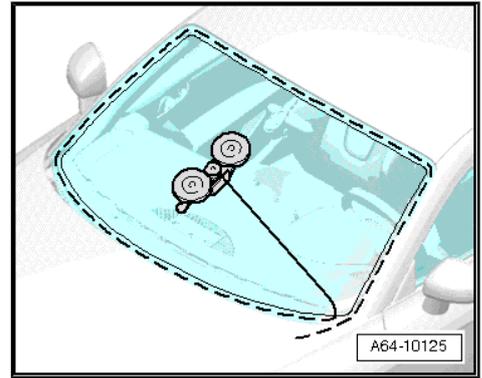
- Lay cutting cord underneath and all around inside of windshield.



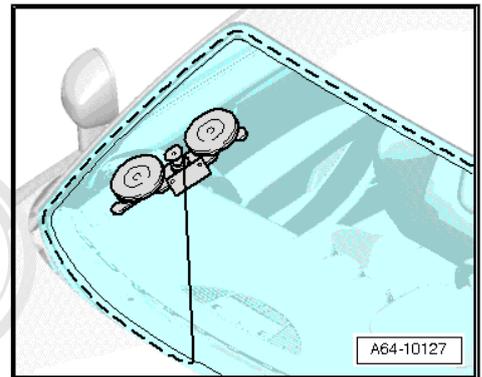
- Tighten end of cutting cord at bolt to wiper arm mounting -arrow-.
- Slide the cover for Audi A4 dash panel -V.A.G 1474/13- between the windshield and instrument panel.



- Secure beginning of cutting cord in spooling tool and cut out first area of adhesive (up to about center of windshield).

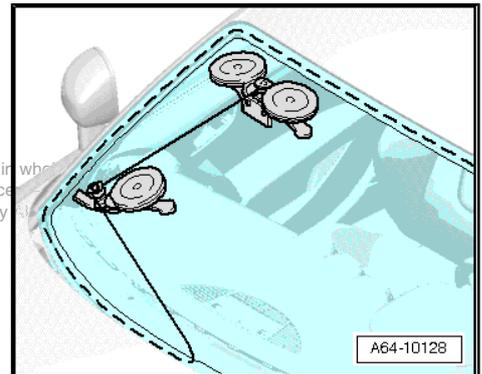


- Move spooling tool as shown, and continue to cut out adhesive sealing material.

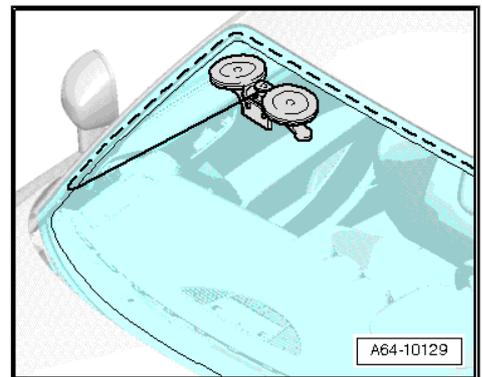


- Move spooling tool as shown and attach relay pulley.
- Route cord as shown.
- Cut window free until cutting cord is no longer fed through idler pulley.

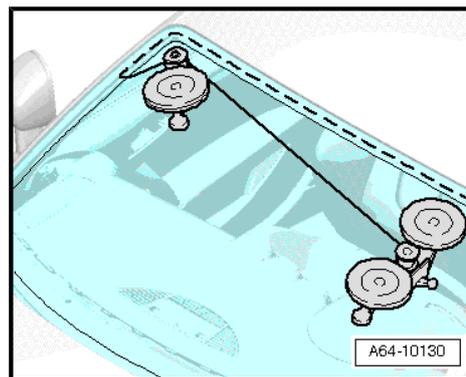
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- Remove idler pulley and continue cutting window free.



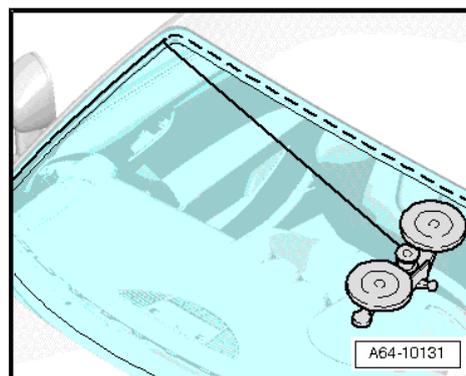
- Replace spool as shown and position idler pulley in upper part of window.
- Route cord as shown.
- Slide Cover for Dash Panel -V.A.G 1474/7- between windshield and headliner.
- Cut window free until cutting cord is no longer fed through idler pulley.



- Remove idler pulley and continue cutting window free.
- Repeat procedure in upper and lower left parts of windshield.
- Cut glass completely free in this manner.
- Remove windshield from windshield opening using suction lifter.

Preparations for Installing Windshield

- When reusing the undamaged window, cut rest of adhesive material on window and flange with -V.A.G 1561 A- and -V.A.G 1561/8- so it is even, but do not remove completely.



Note

Residual material acts as a base for the new adhesive sealing material.



Caution

- ◆ *Keep adhesive surface free of dirt and grease.*
- ◆ *Only cut back adhesive surface shortly before installation.*
- ◆ *Do not prime or use a cleaning solution on the adhesive surface.*

With New Window:

- Clean window all around in adhesive area using Cleaning Solution -D 009 401 04- .
- Apply Glass and Paint Primer -D 009 200 02- as described below.



Caution

Ceramic application on window is not primer! It must be primed before the application of adhesive sealing material!

Applying Primer:

- Apply primer -3- with applicator -2- evenly in one stroke near the window molding -1- on the window -4-.
- Beginning applying with saturated felt.
- Primer width approximately 20 mm.
- Apply primer in center of adhesive bead.
- Drying time 10 minutes

Window Flange:

- If the window flange was damaged, paint structure must be recreated and if necessary, perform corrosion protection measures.
- First clean corrected area with Cleaning Solution -D 009 401 04- and then apply Glass and Paint Primer -D 009 200 02- .

Windshield, Installing

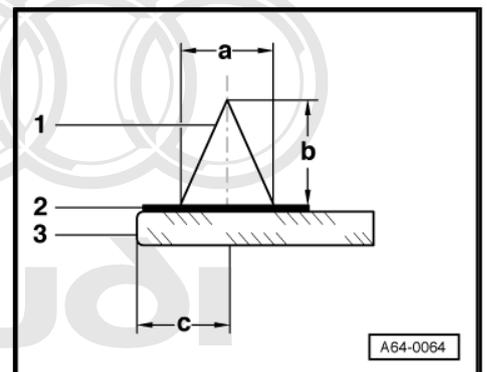
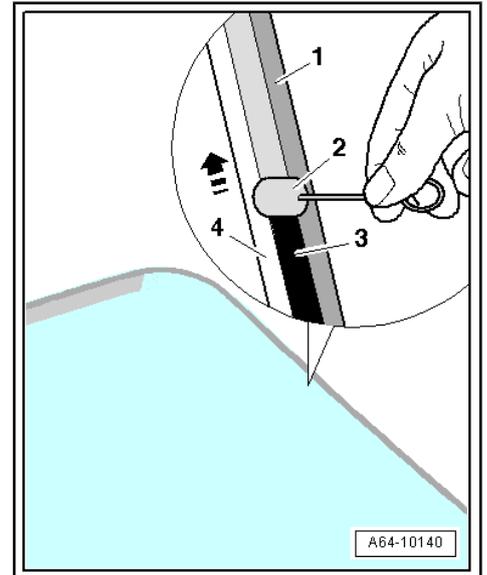


Note

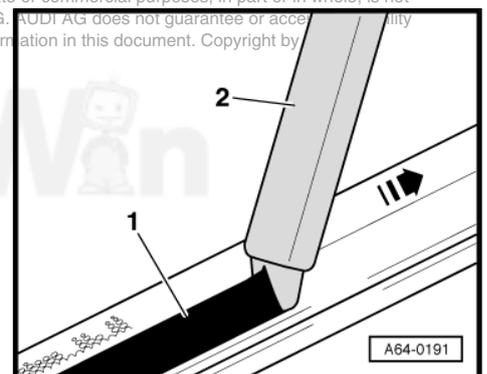
Cross-section thickness of adhesive bead is determined by dimension of opening in nozzle tip and rate of application.

Dimensions for adhesive application:

- 1 - Adhesive sealing material
- 2 - Primer
- 3 - Window
- Dimension -a- = 8 mm
- Dimension -b- = 12 mm
- Dimension -c- = note varying spacing dimensions to window edge => [Item 2 \(page 190\)](#) .



- Position complete surface of nozzle -2- onto window.
- Application direction -arrow- for adhesive bead -1-.



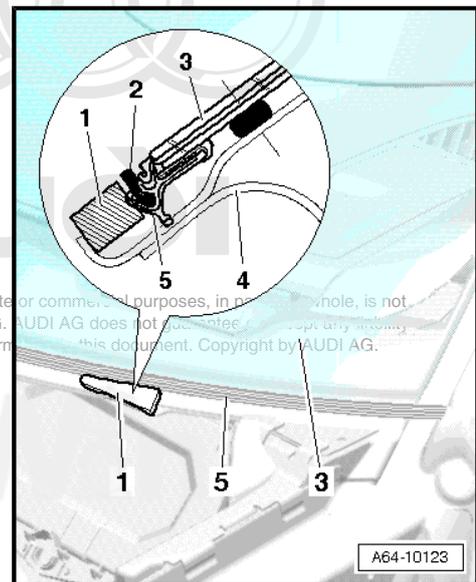
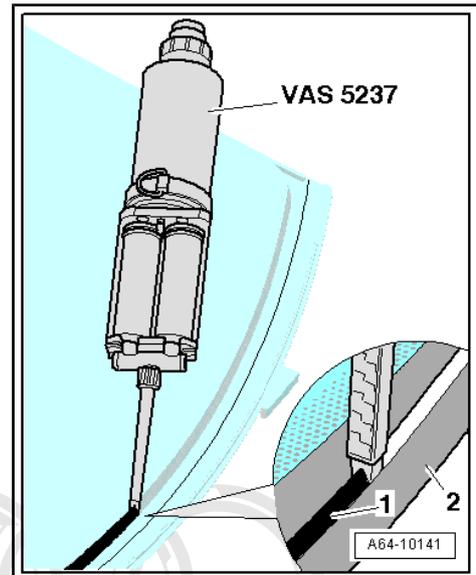
- Apply adhesive sealing material -1- all around on window -2- according to illustration.
- With an undamaged removed window, apply adhesive to remaining bead.
- Using double suction cups, install the windshield.



Caution

The window must be installed within 15 minutes or the adhesive sealing material will not adhere properly.

- Center window along sides.
- Spacing between edge of window and roof frame must be 5 mm +/- 0.5 mm.
- Slide adjusting wedge -1- as shown between clamping strip -5- and body flange.
- Before installing plenum chamber cover, first remove protective profile -2- from clamping strip.
- Observe minimum curing time => [page 197](#) .



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2.1.3 A-Pillar Seal

Removing

1 - Guide rail

- To remove, drill out rivet heads -4- and drive out rivet shafts.

2 - Sealing molding

- No replacement part

3 - Sealing band

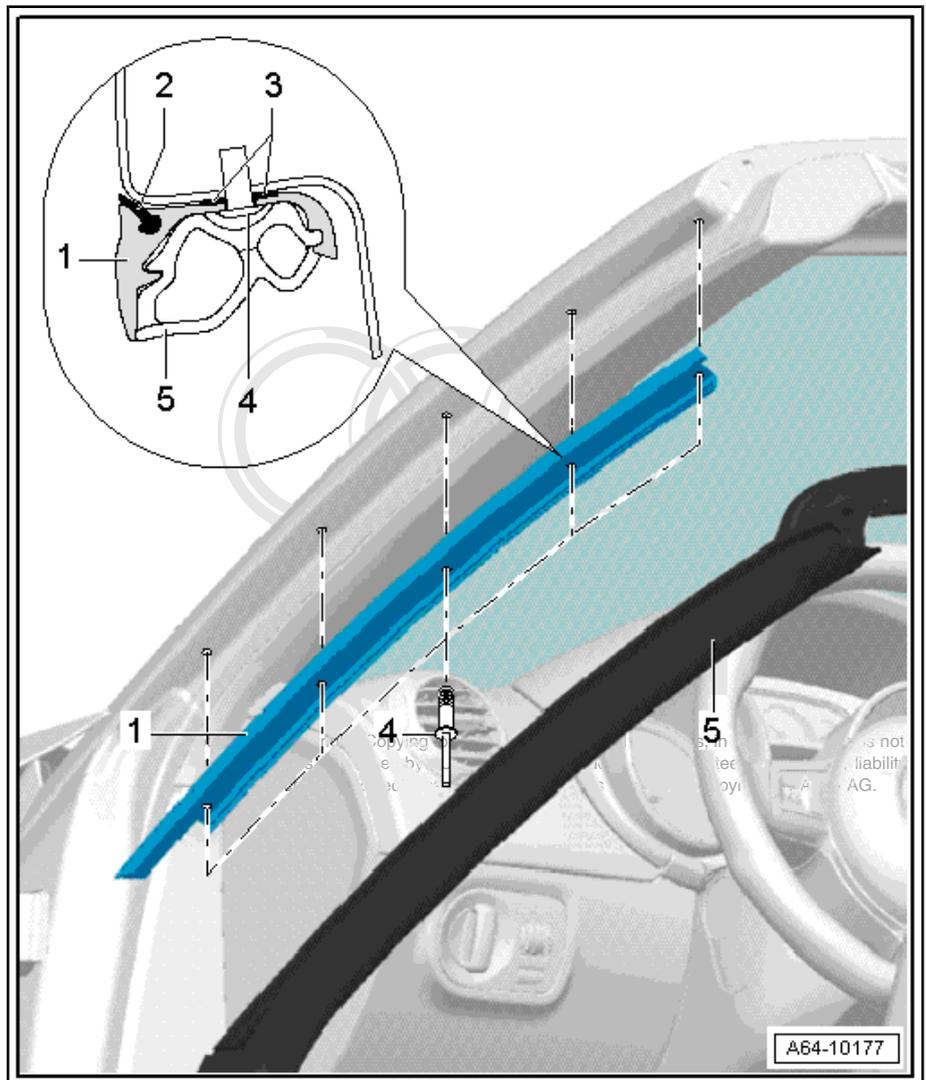
- Self-adhesive.

4 - Pop rivet

- Quantity: 5

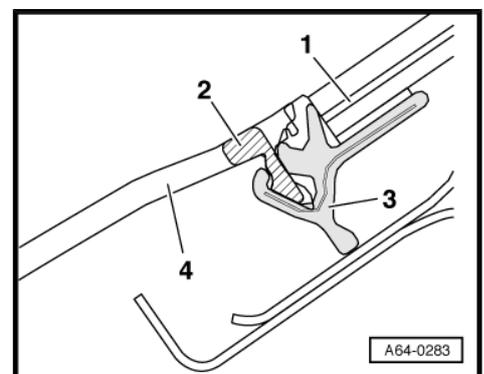
5 - A-pillar seal

- Roof frame trim removed. Refer to → Body Interior; Rep. Gr. 70 ; Removal and Installation
- To remove, remove from guide rail.
- For easier assembly, coat seal with soapy solution.
- When installing, engage in guide rail as shown.



Removing Protective Tubing

- With a new windshield -1-, protective tubing -2- must be removed from molding -3- before installing plenum chamber cover -4-.





2.1.4 Side Window

Undamaged Side Window, Removing



Caution

In window separation area, protect side panel and roof against paint damage with adhesive tape.

- Remove door seal in side window area.



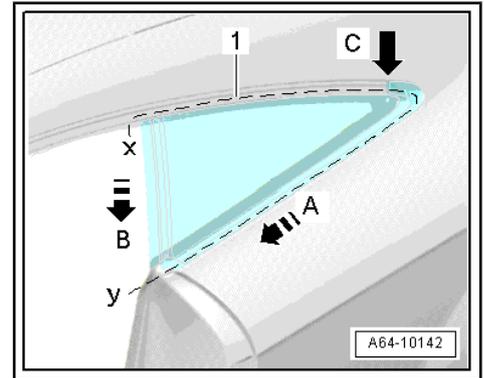
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- Drill out upper and lower rivet heads in »B-pillar« area on window and drive out rivet shafts.
- Pry roof trim molding -1- out of clips in side window area.

 **Caution**
Roof trim molding must not be bent.



- Route the cutting cord around the side window as shown in the illustration.
- Secure X and Y ends in two pull grips from special tool -V.A.G 1351- .
- Use light sawing motions to pull the cutting cord forward in the direction of arrow -A-. Cut the lower adhesive bead on the side piece and the roof frame.
- In this way, first the securing pin on the rear of the window and then the adhesive bead are cut through.
- Then pull cutting cord through in direction of arrow -B- downward through adhesive sealing material.
- Remove window from window opening.

Broken Side Window, Removing

- Protect body and interior from glass splinters.
- Remove glass pieces from adhesive material.
- Bond flange all around with fabric reinforced adhesive tape.

 **WARNING**
When removing a window, always wear protective eyewear and leather gloves.

- Remove adhesive material (with glass residue) from window opening using -V.A.G 1561A- and -V.A.G 1561/10- (with stopper roll).

Preparations for Installing Side Window

- When reusing an undamaged window, cut remaining adhesive sealing material on window and flange using a carpet knife so that it is even, but do not remove completely!

 **Note**

Residual material acts as a base for the new adhesive sealing material.

 **Caution**

- ◆ ***Keep adhesive surface free of dirt and grease.***
- ◆ ***Only cut back adhesive surface shortly before installation.***
- ◆ ***Do not prime or use a cleaning solution on the adhesive surface.***

With New Window

- Clean window all around in adhesive area using Cleaning Solution -D 009 401 04- .
- Apply Glass and Paint Primer -D 009 200 02- all around in adhesive area.
- Drying time 10 minutes.

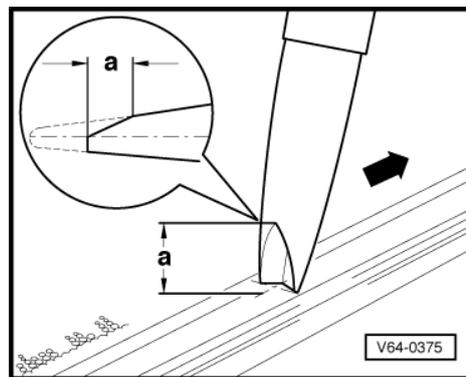
Side Window, Installing

- After the preparatory work has been performed, cut nozzle tip as shown in illustration.
- Dimension -a- 12 mm



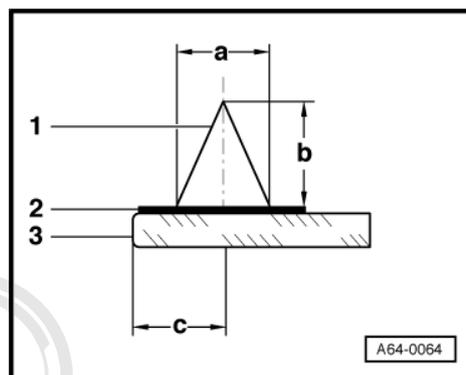
Note

Cross-section thickness of adhesive bead is determined by dimension of opening in nozzle tip and rate of application.



Dimensions for adhesive application:

- 1 - Adhesive sealing material
 - 2 - Primer
 - 3 - Window
- Dimension -a- = 8 mm ^{+2 mm}
 - Dimension -b- = 12 mm ^{+3 mm}
 - Distance -c- = to window edge is given through the window molding.



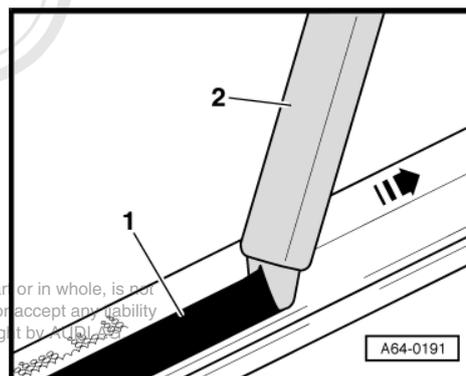
- Position complete surface of nozzle -2- onto window.
- Application direction -arrow- for adhesive bead -1-.
- Apply adhesive sealing material all around near window molding.
- With an undamaged removed window, apply adhesive to remaining bead.



Note

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Use 1K Window Adhesive -DH 009 100 03- (small cartridge), or 2K Window Adhesive Kit -DA 004 600 A2- can also be used if more than one window must be bonded.



- Press in window with securing pin at C-pillar, then insert in window opening and secure with pop rivets in B-pillar area.
- Observe minimum curing time => [page 197](#) .

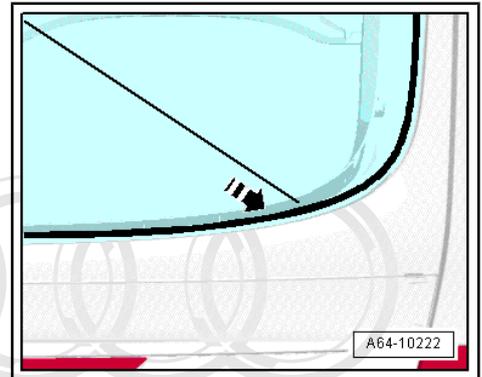
2.1.5 Rear Window



Caution

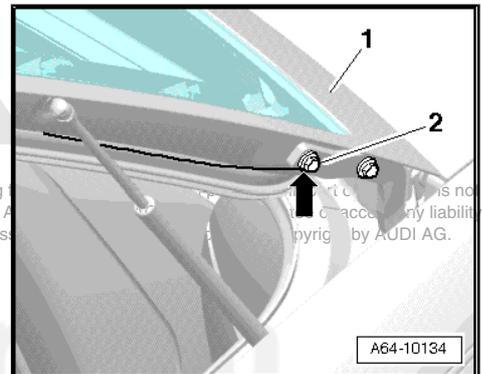
Insert a plastic washer at the outlet point of the cutting wire as protection against paint damage, for example.

- Gradually push a cutting wire through the adhesive bead from the inside to the outside with needle-nose pliers as shown.
- Route cutting wire around rear window under the glass as shown in the illustration.

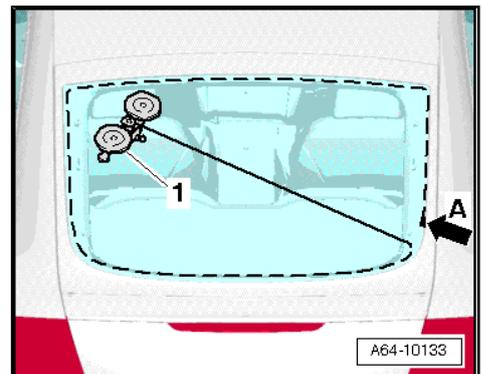


- Loosen the hex bolt -arrow- on the rear lid hinge -1- and clamp the end of cutting wire-2- securely with it.
- Clamp the cutting wire in the spool.
- After removing window, tighten bolt to 21 Nm.

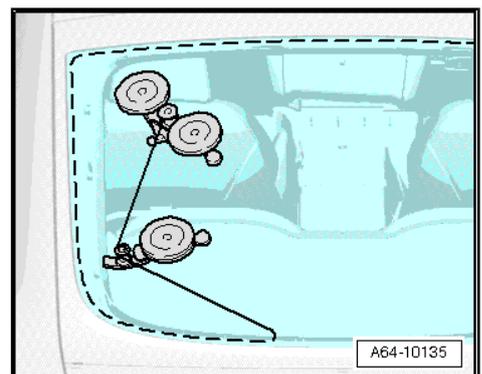
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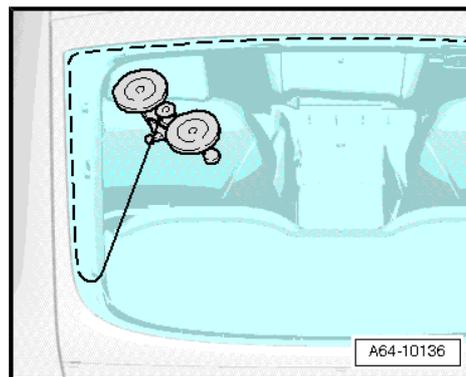
- Cut first area free.



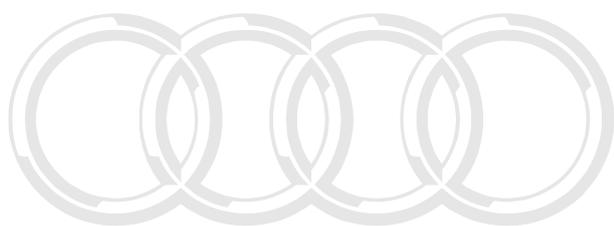
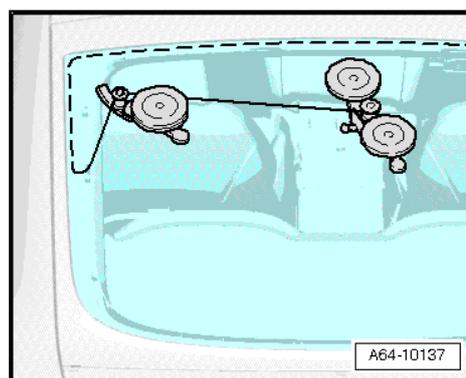
- Move spooling tool as shown and position idler pulley on lower part of window.
- Wire run according to figure.
- Cut window free until the cutting wire is no longer fed through the idler pulley.



- Remove idler pulley and continue cutting window free.



- Replace spool as shown and position idler pulley in upper part of window.
- Wire run according to figure.
- Cut window free until the cutting wire is no longer fed through the idler pulley.

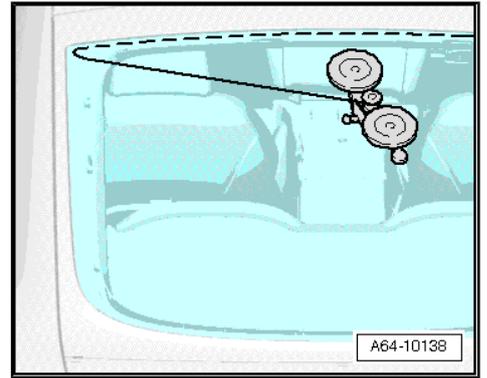


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- Remove idler pulley and continue cutting window free.
- Repeat procedure in upper and lower right part of window.
- Cut glass completely free in this manner.
- Remove window with double suction cups.



Damaged Rear Window, Removing



WARNING

When removing a window, always wear protective eyewear and leather gloves.

- Protect body and interior from glass splinters.
- Remove glass pieces from adhesive material.
- Disconnect rear window defroster and window antenna connectors.
- Bond flange all around with fabric reinforced adhesive tape.
- Remove adhesive material (with glass residue) from window opening using -V.A.G 1561A- and -V.A.G 1561/10- (with stopper roll).

Preparations for Installing Rear Window



Note

- ◆ *When reusing the undamaged window, cut rest of adhesive material on window and flange with -V.A.G 1561 A- and -V.A.G 1561/8- so it is even, but do not remove completely.*
- ◆ *Residual material acts as a base for the new adhesive sealing material.*



Caution

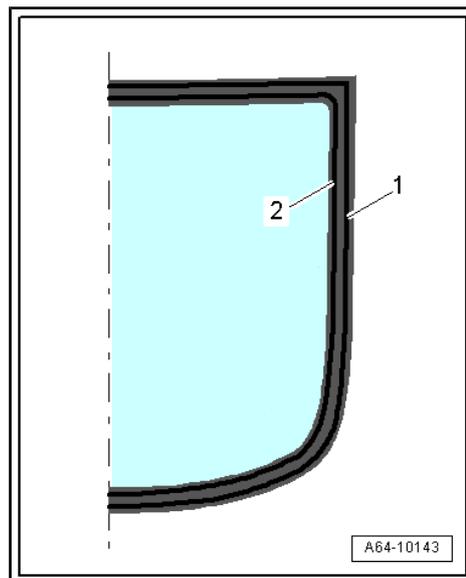
- ◆ *Keep adhesive surface free of dirt and grease.*
- ◆ *Only cut back adhesive surface shortly before installation.*
- ◆ *Do not prime or use a cleaning solution on the adhesive surface.*

With New Window:

- Clean window in adhesive area between inner -1- and outer adhesive stopper profiles -2- using Cleaning Solution -D 009 401 04- .
- Apply Glass and Paint Primer -D 009 200 02- as described below.

**Note**

Ceramic application on window is not primer! It must be primed before the application of adhesive sealing material!

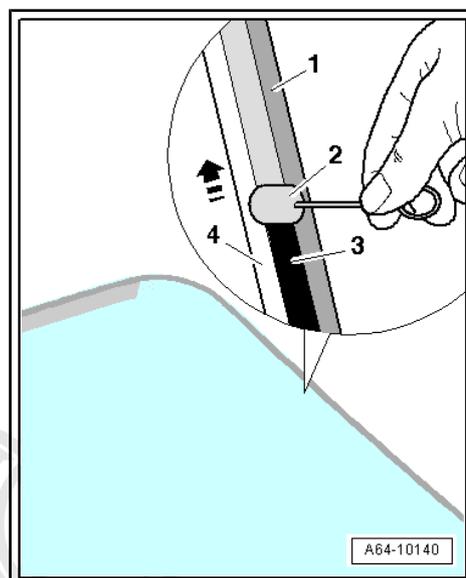
**Applying Primer:****Caution**

Primer conducts electricity and must not touch rear window defroster distributing wire.

- Apply primer -3- with applicator -2- evenly in one stroke between adhesive stopper profiles on window -4-.
- Beginning applying with saturated felt.
- Apply primer over entire width between stopper profiles.
- Drying time 10 minutes

**Note**

If the paint on the window flange is damaged when the rear window is removed, repair it according to the Audi paint handbook.



- First clean corrected area with Cleaning Solution -D 009 401 04- and then apply Glass and Paint Primer -D 009 200 02- .

Rear Window, Installing

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1 - Rear window

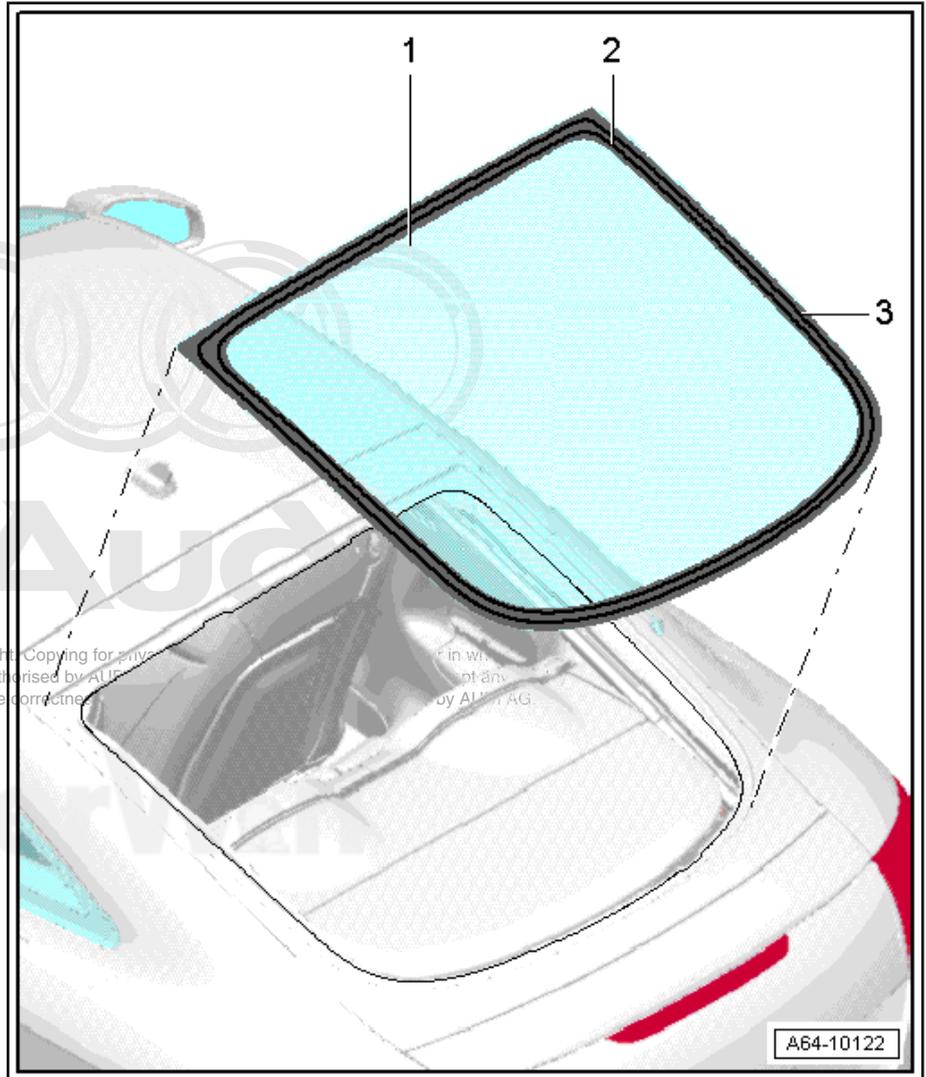
- Insert in window opening with double suction cups.

2 - Inner adhesive stopper profile

- Prevents adhesive from touching distributing wire.

3 - Outer adhesive stopper profile

- Prevents adhesive from leaking to outside.



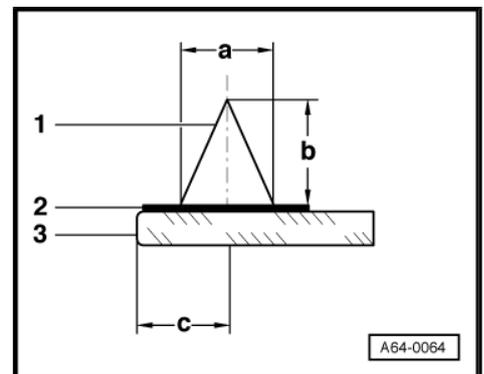
Installation



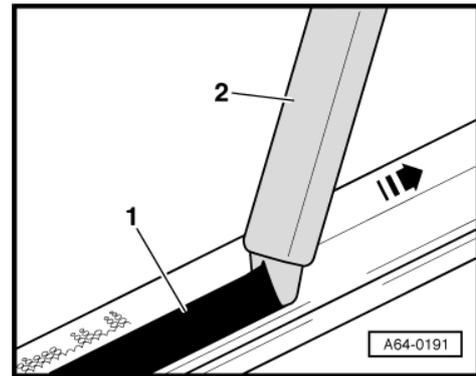
Cross-section thickness of adhesive bead is determined by dimension of opening in nozzle tip and rate of application.

Dimensions for adhesive application:

- 1 - Adhesive sealing material
- 2 - Primer
- 3 - Window
- Dimension -a- = 8 mm +/- 2 mm
- Dimension -b- = 12 mm +/- 2 mm



- Position complete surface of nozzle -2- onto window.
- Application direction -arrow- for adhesive bead -1-.



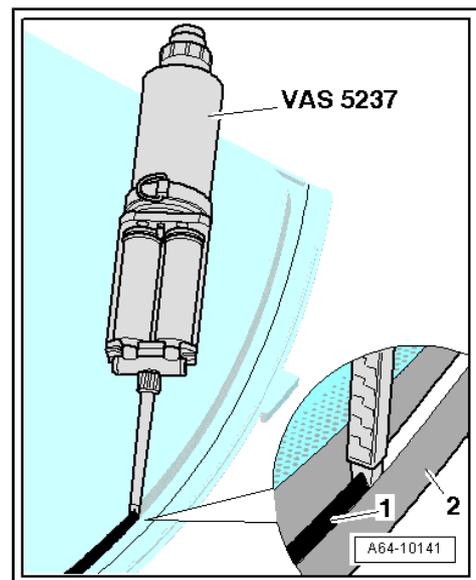
- Apply adhesive sealing material all around between adhesive stopper profiles.
- With an undamaged removed window, apply adhesive to remaining bead.
- Insert the rear window into window cut-out using double suction cups.



Caution

The window must be installed within 15 minutes or the adhesive sealing material will not adhere properly.

- Center window along sides.
- Note distance to upper lid edge = 2 mm.
- Observe minimum curing time ⇒ [page 197](#) .



2.2 Bolted Windows

⇒ [“2.2.1 Front Door Window”, page 212](#)

⇒ [“2.2.2 Front Inner Door Plate Cover”, page 214](#)

⇒ [“2.2.3 Rear Inner Door Plate Cover”, page 215](#)

2.2.1 Front Door Window

Special tools and workshop equipment required

- ◆ Suction lifter -V.A.G 1344-



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erWin

1 - Door window

Removing

- Door trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- Front and rear inner door plate cover or speaker removed
- Run window down until bolts -2- and -5- in door opening are accessible
- Remove bolt -6-, only loosen bolt -2-.
- Tip window forward and remove it upward from window shaft.

Installing:

- Insert in window regulator in reverse sequence.
- Press window back into window guide and tighten bolts -2- and -6- slightly.
- Run window up into door seal, this centers the window in the door opening.

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Using Suction Lifter - V.A.G 1344- press window up into seal on roof and forward into seal on »A-pillar« and hold in this position.

- A second technician must tighten bolts -2- and -6- to the specification from inside of vehicle.

- Perform height or side adjustment if necessary. Refer to ⇒ ["1.2.1 Door Window, Adjusting", page 193](#)

2 - Front bolt

- 7 Nm

3 - Nut

- 9 Nm

4 - Front clamping brackets

5 - Window regulator

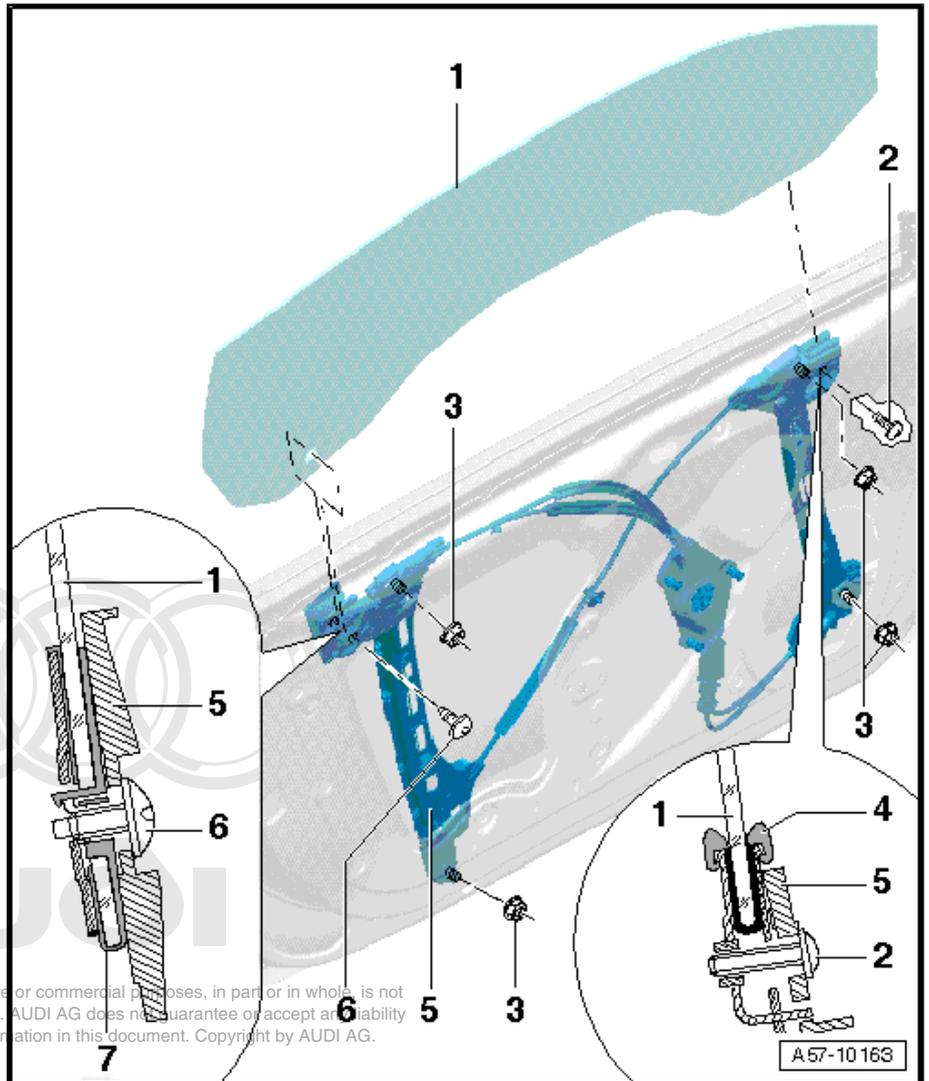
- Removing and installing, refer to ⇒ ["2.2.1 Window Regulator", page 87](#)

6 - Rear bolt

- 7 Nm

7 - Thrust piece

- No replacement part

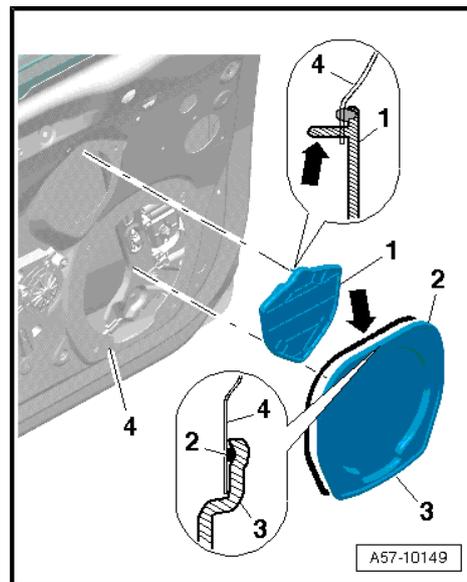


A57-10163

2.2.2 Front Inner Door Plate Cover

Removing

- Cover -1- and cover -3- are each radio-dependent.
- Before installing cover, check butyl cord -2- and correct if necessary.
- To install, insert centering pin -arrow- in cover -1- and press cover into inner door plate.



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erWin

2.2.3 Rear Inner Door Plate Cover

Removing

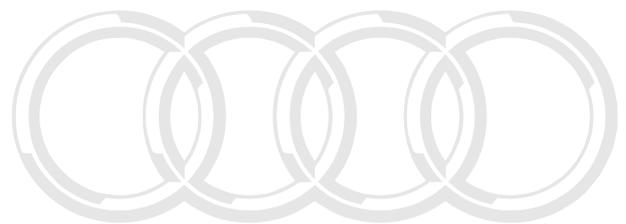
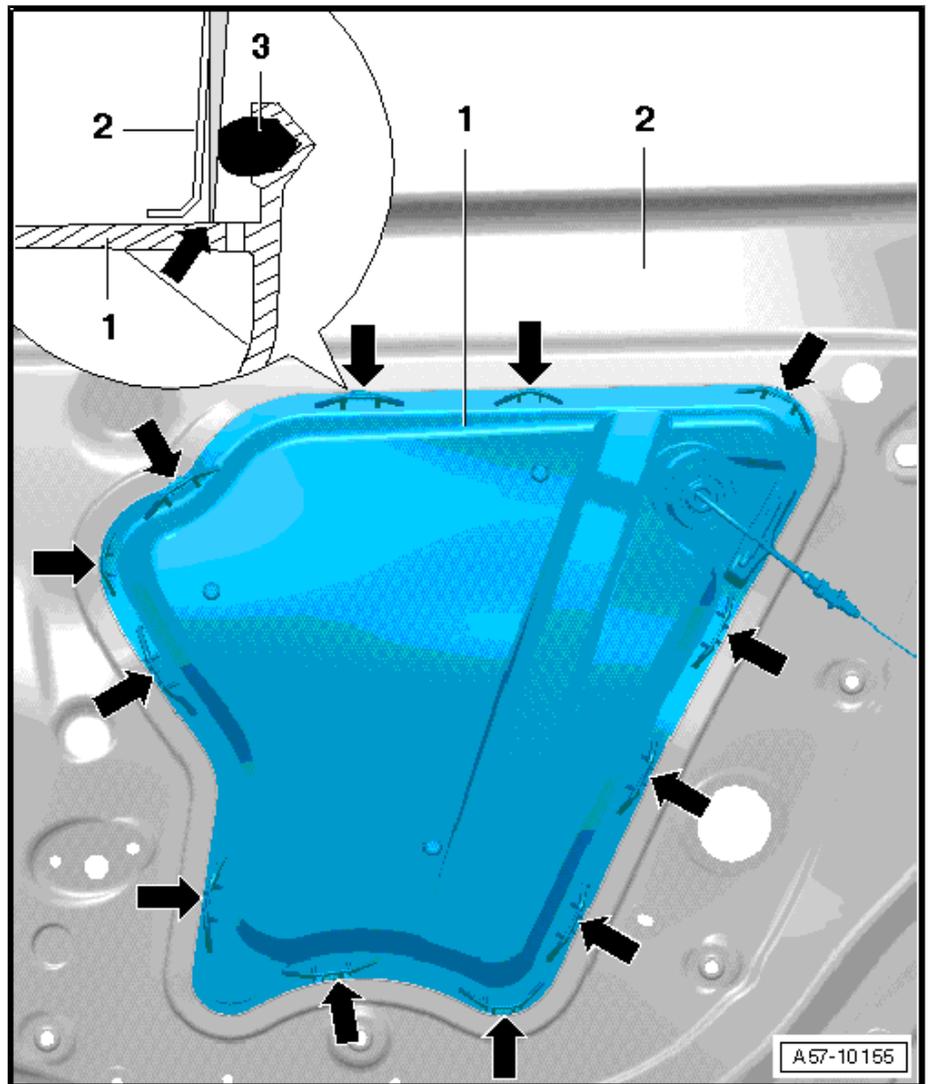
1 - Rear cover

- Door trim removed ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
- To remove, release retaining tabs -arrows- on cover using a thin object.

2 - Door inner panel

3 - Seal

- Before installation, check the cover seal and replace if necessary



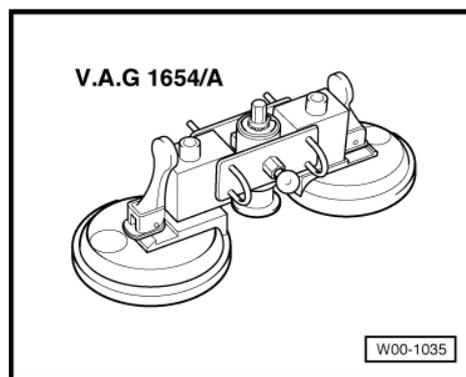
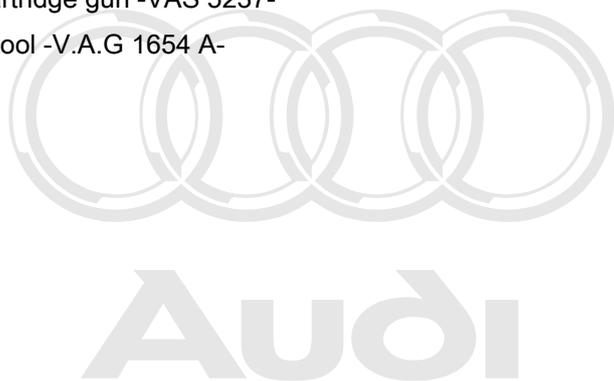
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3 Special Tools

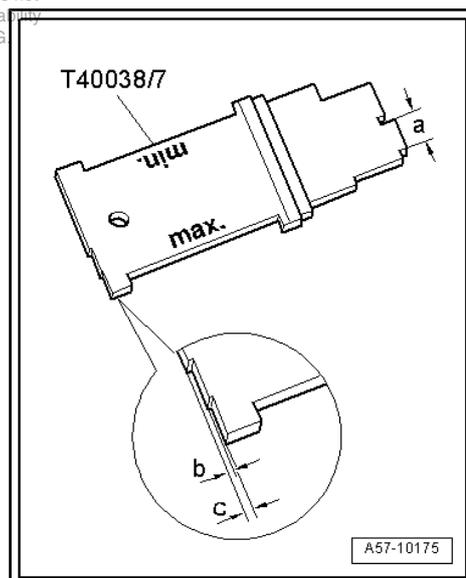
Special tools and workshop equipment required

- ◆ Removal Kit for Flush-Bonded Windows -V.A.G 1474 A- or -V.A.G 1474 B-
- ◆ Suction lifter -V.A.G 1344-
- ◆ Cutting tools for glass -V.A.G 1351-
- ◆ Window removing kit -V.A.G 1755-
- ◆ Cartridge gun -V.A.G 1628-
- ◆ Cartridge heater -V.A.G 1939 A-
- ◆ Window cutter -V.A.G 1561 A-
- ◆ Cutting blade (58 mm) -V.A.G 1561/2-
- ◆ Cutting blade (U-shaped) -V.A.G 1561/3-
- ◆ Scraper (25 mm) -V.A.G 1561/8-
- ◆ Cutting blade, bent at right angle -V.A.G 1561/10-
- ◆ Double cartridge gun -VAS 5237-
- ◆ Spooling tool -V.A.G 1654 A-

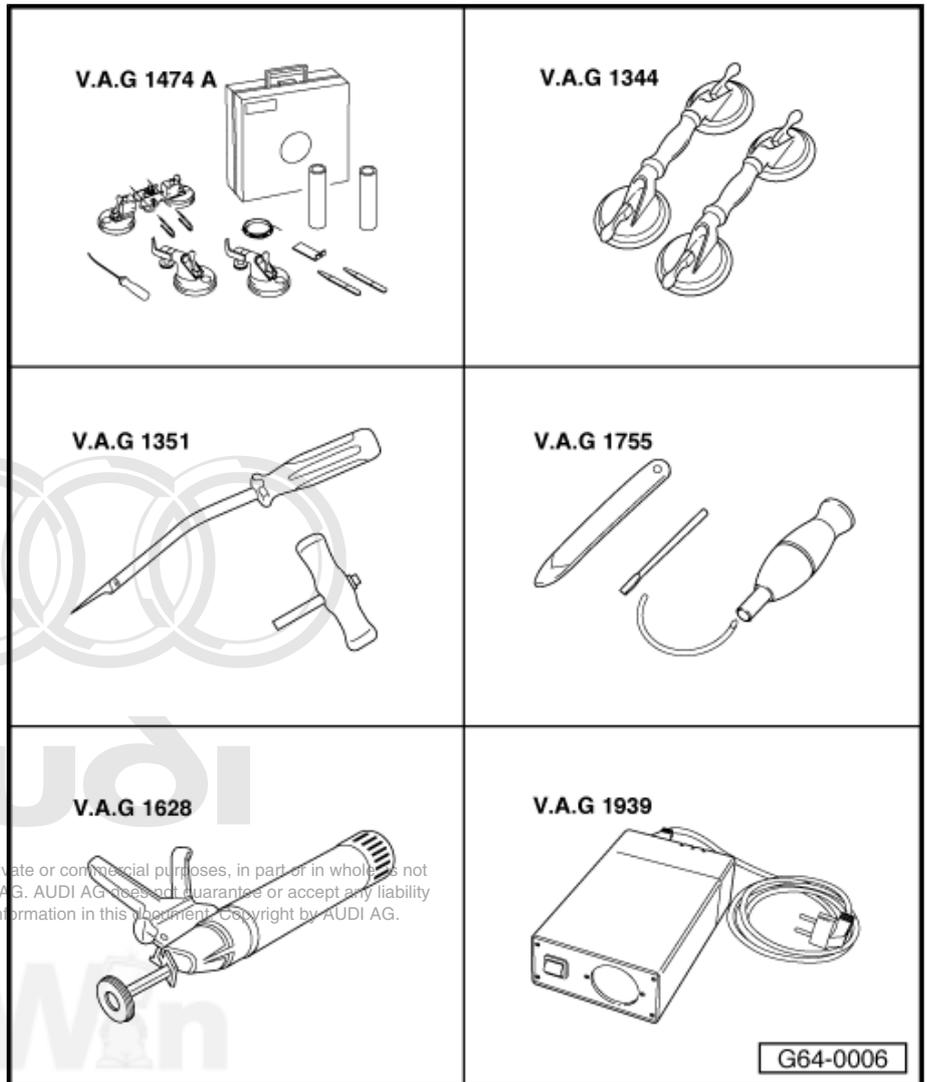
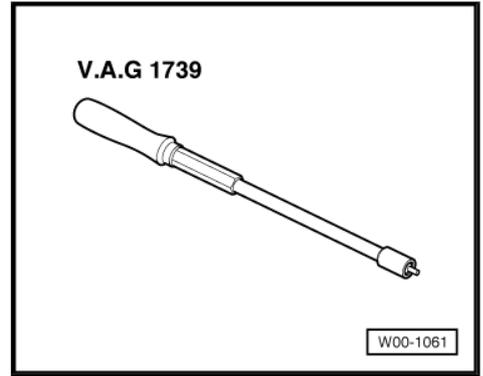


- ◆ Template T40038/7-

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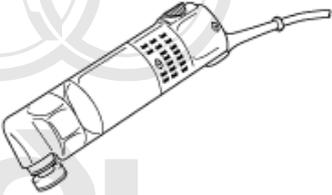
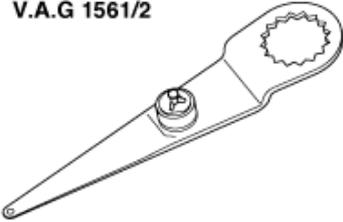
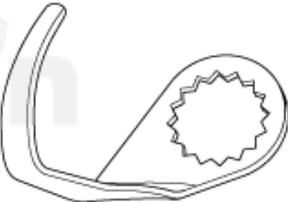
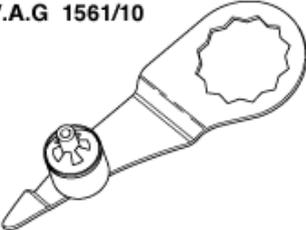
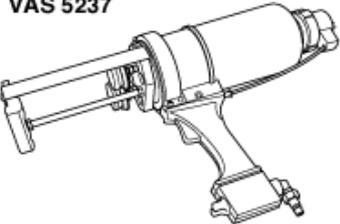


- ◆ Side window installation tool -V.A.G 1739- and screwdriver Torx T25 -T10248-



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<p>V.A.G 1561 A</p> 	<p>V.A.G 1561/2</p> 
<p>V.A.G 1561/3</p> 	<p>V.A.G 1561/8</p> 
<p>V.A.G 1561/10</p> 	<p>VAS 5237</p>  <p>G64-0003</p>

66 – Exterior Equipment

1 Description and Operation

⇒ [“1.1 Exterior Rearview Mirror”, page 219](#)

⇒ [“1.2 Radiator Grille - TT RS”, page 220](#)

1.1 Exterior Rearview Mirror

⇒ [“1.1.1 Rearview Mirror Assembly Overview”, page 219](#)

1.1.1 Rearview Mirror Assembly Overview

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1 - Exterior rearview mirror housing

- Removing and installing, refer to ⇒ [“3.2.2 Mirror Housing”, page 233](#).

2 - Bolt

- 2 Nm

3 - Seal

- Seal set

4 - Screws

- 6.5 Nm

5 - Mirror base cover

6 - Mirror base

7 - Seal

- Seal set

8 - Mirror adjustment electrical wire

9 - Door

10 - Adjusting piece

- Used for mirror angle adjustment.

11 - Carrier plate

- Must be removed to remove mirror adjusting unit.

12 - Mirror adjusting unit

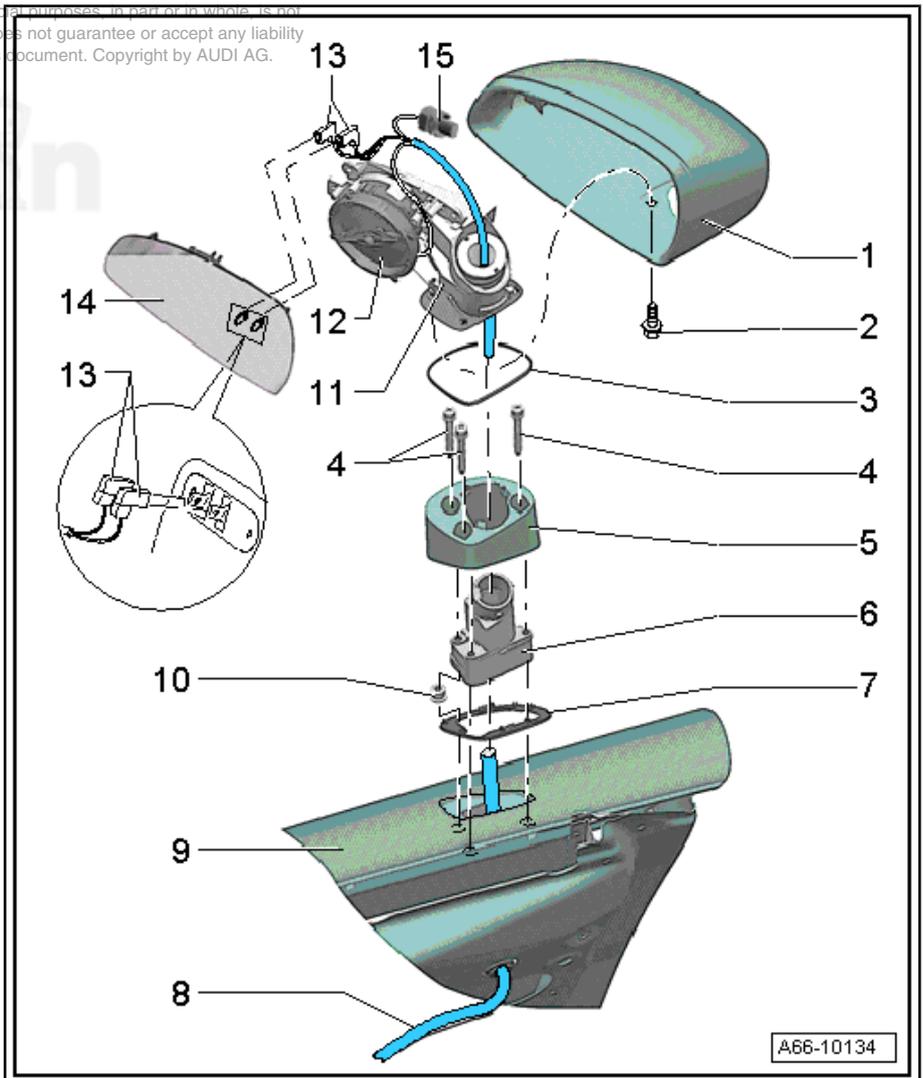
- Removing and installing, refer to ⇒ [“3.2.3 Electric Mirror Adjusting Unit”, page 234](#).

13 - Harness connector for mirror heater

14 - Mirror glass

- Removing, refer to ⇒ [“3.2.1 Mirror Glass”, page 231](#).

15 - Mirror motor connector



1.2 Radiator Grille - TT RS

⇒ ["1.2.1 License Plate Bracket Assembly Overview", page 220](#)

1.2.1 License Plate Bracket Assembly Overview

1 - Bolt

- Quantity: 2
- 0.9 Nm

2 - License plate bracket

- Versions for specific countries:
- Removing and Installing, refer to

⇒ ["3.4.1 License Plate Bracket", page 236](#)

3 - Radiator Grille

- Removing and Installing, refer to
- ⇒ ["3.4.3 Radiator Grille", page 237](#)

4 - Bolt

- Quantity: 4
 - Tightening Specifications and Sequence
- ⇒ [page 157](#)

5 - Right cover

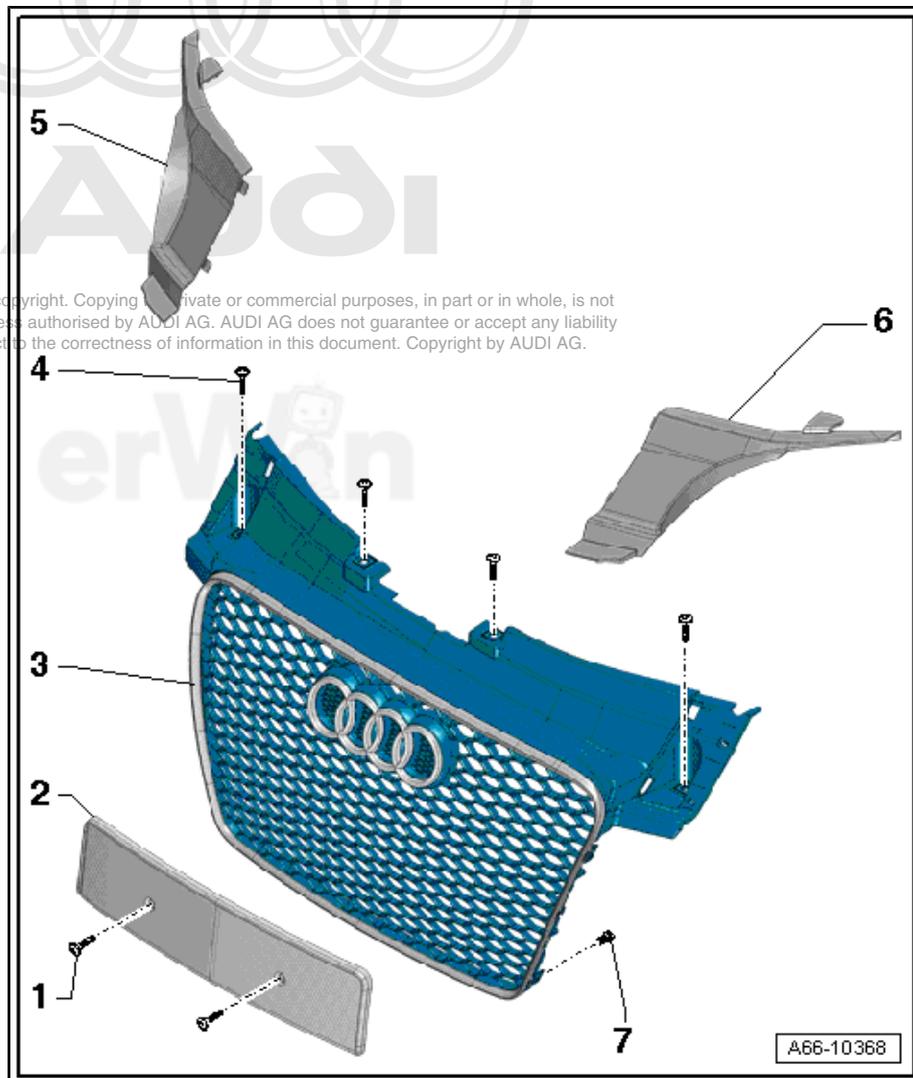
- Removing and Installing, refer to
- ⇒ ["3.4.2 Radiator Grille Cover", page 236](#)

6 - Left cover

- Removing and Installing, refer to
- ⇒ ["3.4.2 Radiator Grille Cover", page 236](#)

7 - Bolt

- Quantity: 8
- 2 Nm



2 Specifications

⇒ [“2.1 Lettering”, page 221](#)

⇒ [“2.2 Spoiler - TT”, page 223](#)

⇒ [“2.3 Spoiler - TT RS”, page 224](#)

2.1 Lettering



Caution

- ◆ *The adhesive surfaces on the body must be free of dirt and grease.*
- ◆ *Clean the adhesive surfaces using cleaning solution -D 009 401 04- .*
- ◆ *Warm the adhesive surfaces and lettering to approximately 104°F (40°C) using a hot air blower.*
- ◆ *After assembly, press the lettering with the -T10314- .*

Special tools and workshop equipment required

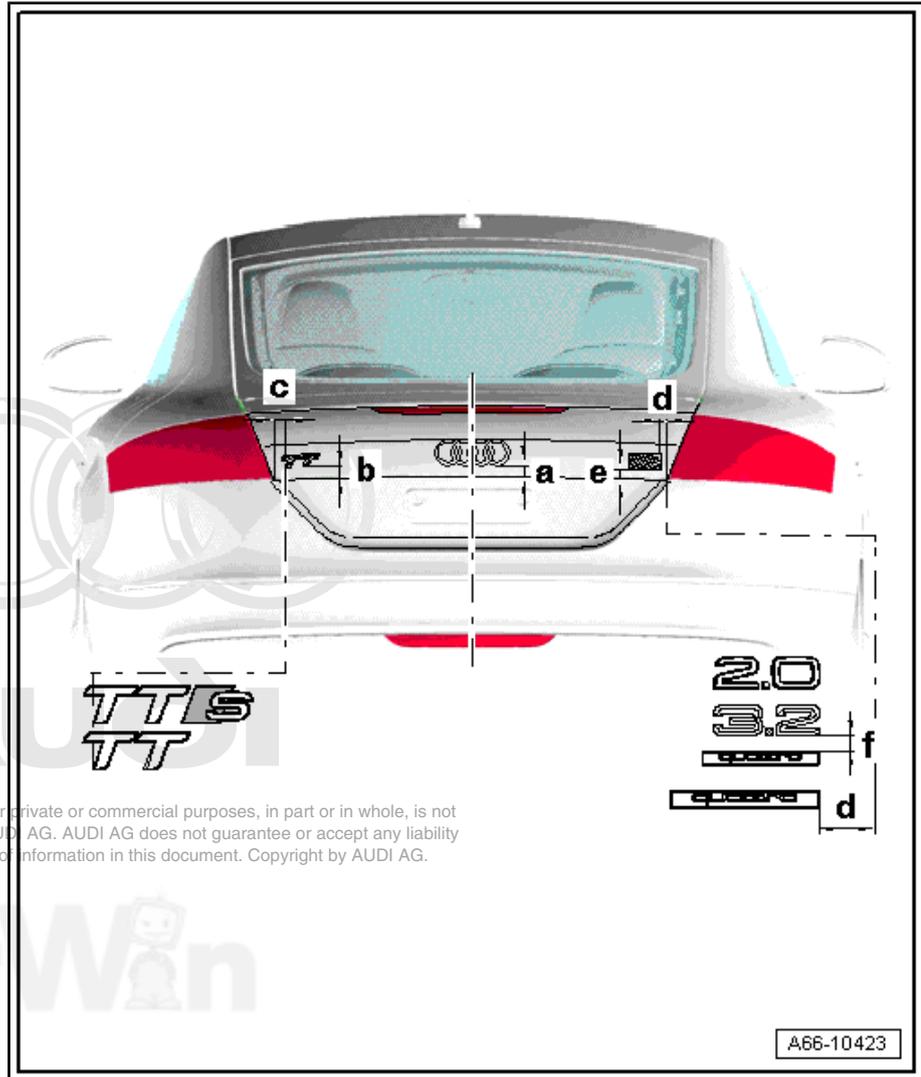
- ◆ Roller -T10314-
- ◆ Hot air gun -V.A.G 1416-

Rear Lid Dimensions



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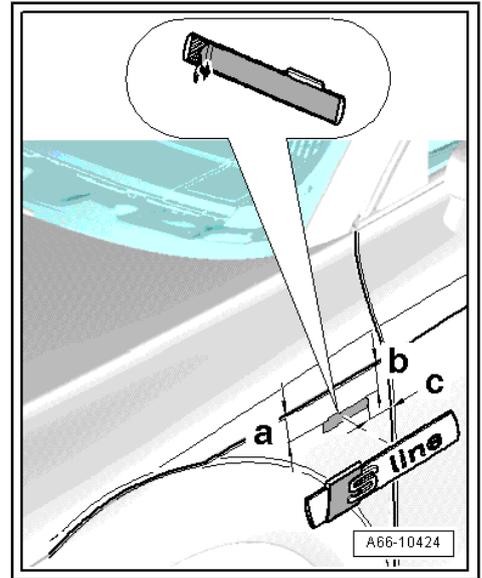




- ◆ Dimension -a- = 33 mm
- ◆ Dimension -b- = 22 mm
- ◆ Dimension -c- = 27 mm
- ◆ Dimension -d- = 27 mm
- ◆ Dimension -e- = 17.5 mm
- ◆ Dimension -e- = 22 mm
- ◆ Dimension -f- = 4 mm

Fender Dimensions

- Pull off the protective film -arrow- prior to installation.
- ◆ Dimension -a- = 41mm
- ◆ Dimension -b- = 42 mm
- ◆ Dimension -c- = 34 mm



2.2 Spoiler - TT

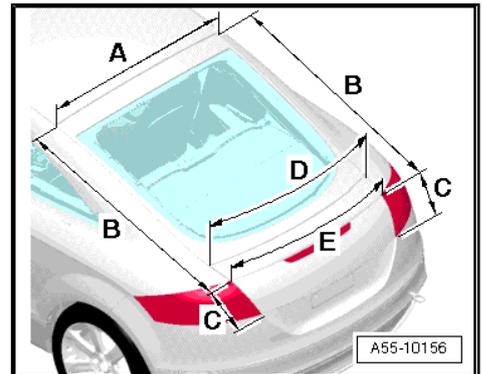
⇒ ["2.2.1 Rear Lid Spoiler Gap Dimensions", page 223](#)

2.2.1 Rear Lid Spoiler Gap Dimensions

Coupe Gap Dimensions

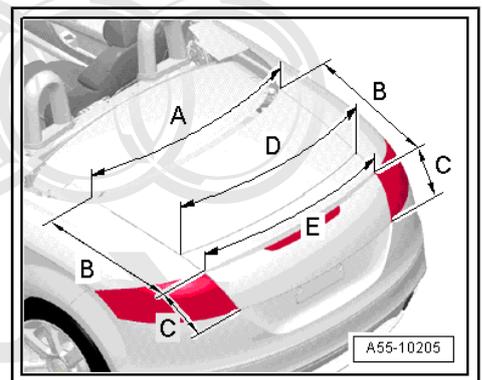
The gap dimensions can be checked with the Adjustment Gauge -3371- .

- Dimension -D- = 2 mm
- Dimension -E- = 2 mm



Roadster Gap Dimensions

- Dimension -D- = 2 mm
- Dimension -E- = 2 mm



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2.3 Spoiler - TT RS

⇒ ["2.3.1 Rear Spoiler Assembly Overview", page 224](#)

2.3.1 Rear Spoiler Assembly Overview



Note

- ◆ After painting, the spoiler of the TT RS is assembled from the components shown in the assembly overview.
- ◆ The spoiler is not designed for disassembly.

1 - Connector housing

- Adhered to the spoiler base plate
- For bridging the extendable spoiler connector

2 - Nut

- Quantity: 9
- 2 Nm

3 - Sealing cord

- Replacing
- Secure to the spoiler lower part with instant adhesive -AMV 195 KD 101-
- Process the ends without a joint

4 - Nut

- Quantity: 2
- 2 Nm

5 - Spoiler base plate

- Removing and Installing, refer to ⇒ ["3.6.1 Spoiler", page 240](#)
- Assembly, refer to ⇒ ["3.6.2 Spoiler, Assembling", page 241](#)

6 - Right cover cap

- Secure with double-sided adhesive tape

7 - Spoiler center part

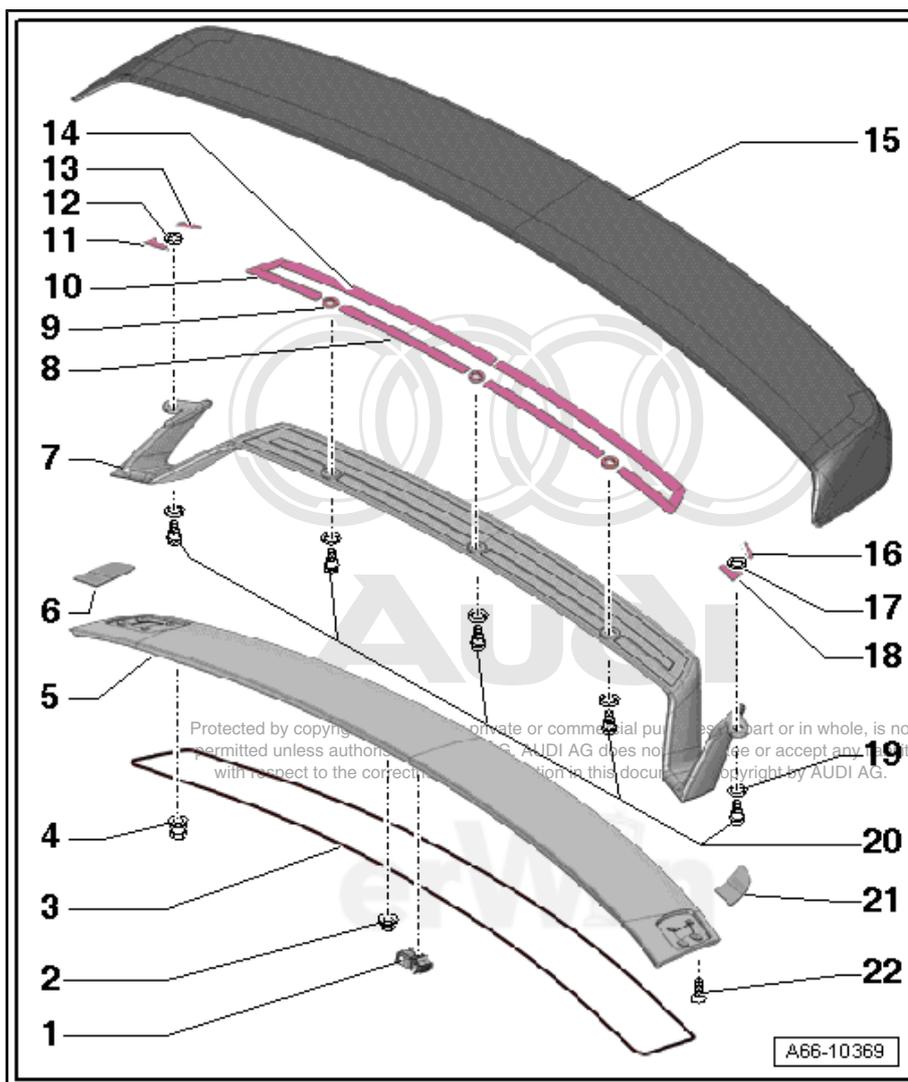
- Assembly, refer to ⇒ ["3.6.2 Spoiler, Assembling", page 241](#)

8 - Double-sided adhesive tape

- Short, straight
- Quantity: 2

9 - Double-sided adhesive tape

- Ring-shaped
- Quantity: 3



10 - Double-sided adhesive tape

- Angle piece
- Quantity: 2

11 - Double-sided adhesive tape

- Front

12 - Foil

- Transparent

13 - Double-sided adhesive tape

- Rear

14 - Double-sided adhesive tape

- Long, straight
- Quantity: 2

15 - Upper part of spoiler

- Assembly, refer to ⇒ [“3.6.2 Spoiler, Assembling”, page 241](#)

16 - Double-sided adhesive tape

- Rear

17 - Foil

- Transparent

18 - Double-sided adhesive tape

- Front

19 - Foil

- Ring-shaped
- Transparent
- Quantity: 5

20 - Bolt

- With collar
- Quantity: 5
- Insert with locking compound; locking compound, refer to electronic parts catalog.
- 7 Nm

21 - Left cover cap

- Secure with double-sided adhesive tape

22 - Bolt

- Quantity: 4
- 3 Nm



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3 Removal and Installation

- ⇒ ["3.1 Trim Moldings and Trim", page 227](#)
- ⇒ ["3.2 Exterior Rearview Mirror", page 231](#)
- ⇒ ["3.3 Radiator Grille - Audi TT", page 235](#)
- ⇒ ["3.4 Radiator Grille - TT RS", page 236](#)
- ⇒ ["3.5 Spoiler - TT", page 237](#)
- ⇒ ["3.6 Spoiler - TT RS", page 240](#)
- ⇒ ["3.7 Underbody Trim Panels and Heat Shields", page 248](#)
- ⇒ ["3.8 Wheel Housing Liners", page 255](#)

3.1 Trim Moldings and Trim

- ⇒ ["3.1.1 Roof Trim Molding", page 227](#)
- ⇒ ["3.1.2 Roof Trim Molding End Piece", page 228](#)
- ⇒ ["3.1.3 A-Pillar Trim", page 228](#)
- ⇒ ["3.1.4 Outer Sill Panel Strip", page 229](#)
- ⇒ ["3.1.5 Lower Sill Panel Cover", page 230](#)
- ⇒ ["3.1.6 Lower Sill Panel Cover Bracket", page 230](#)
- ⇒ ["3.1.7 Upper Sill Panel Cover", page 231](#)

3.1.1 Roof Trim Molding

 **Note**

To remove roof trim molding, it is not necessary to remove the side window.

1 - Roof trim molding

 **Note**

- Remove door seals from body flange in roof trim molding area.
- Drill off rivet heads of pop rivets, strike rivet shafts through and remove roof trim molding.
- Carefully pry roof trim molding out of clips and remove.

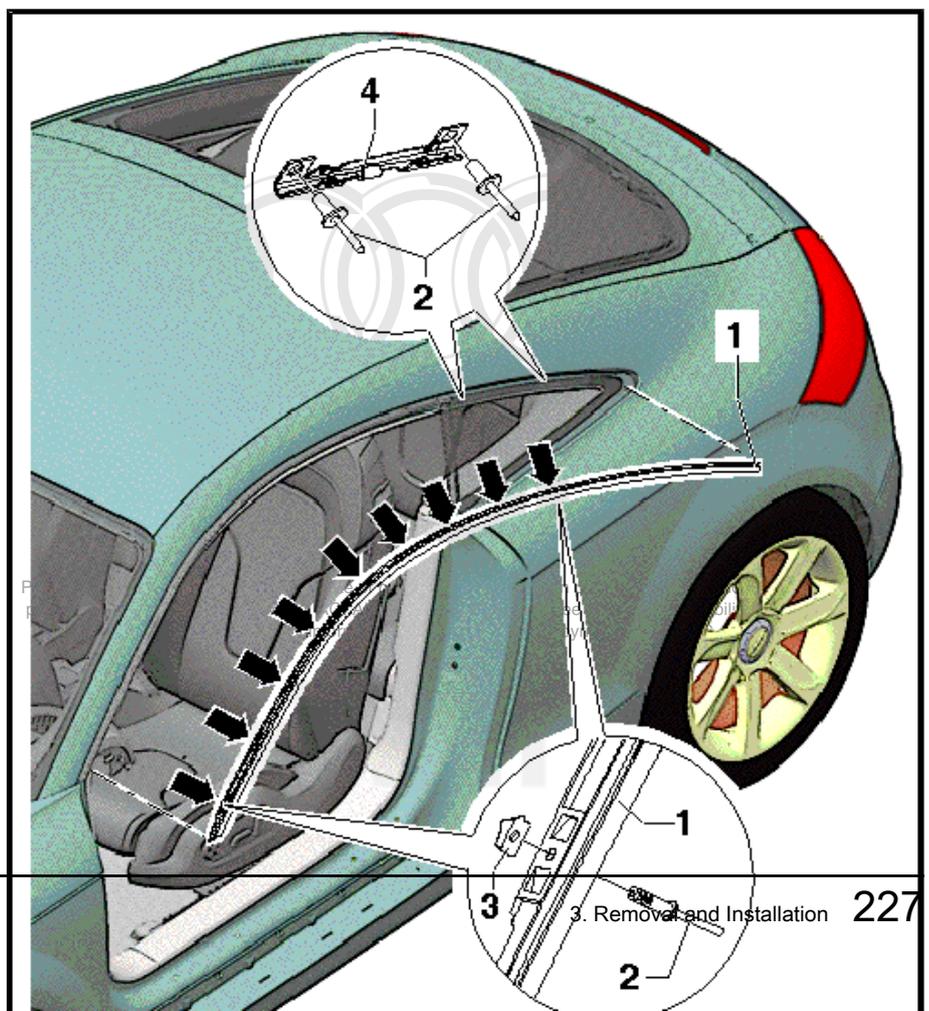
2 - Pop rivet

- Quantity: 11

3 - Side panel

4 - Retaining clip

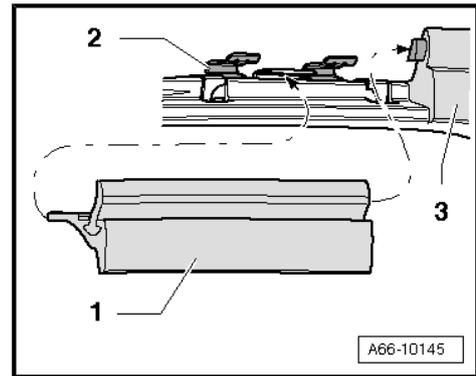
- Quantity: 4



3.1.2 Roof Trim Molding End Piece

Removing

- When installing, first slide roof trim molding -1- into window molding -2- on side window, then press into clips -3-.



3.1.3 A-Pillar Trim

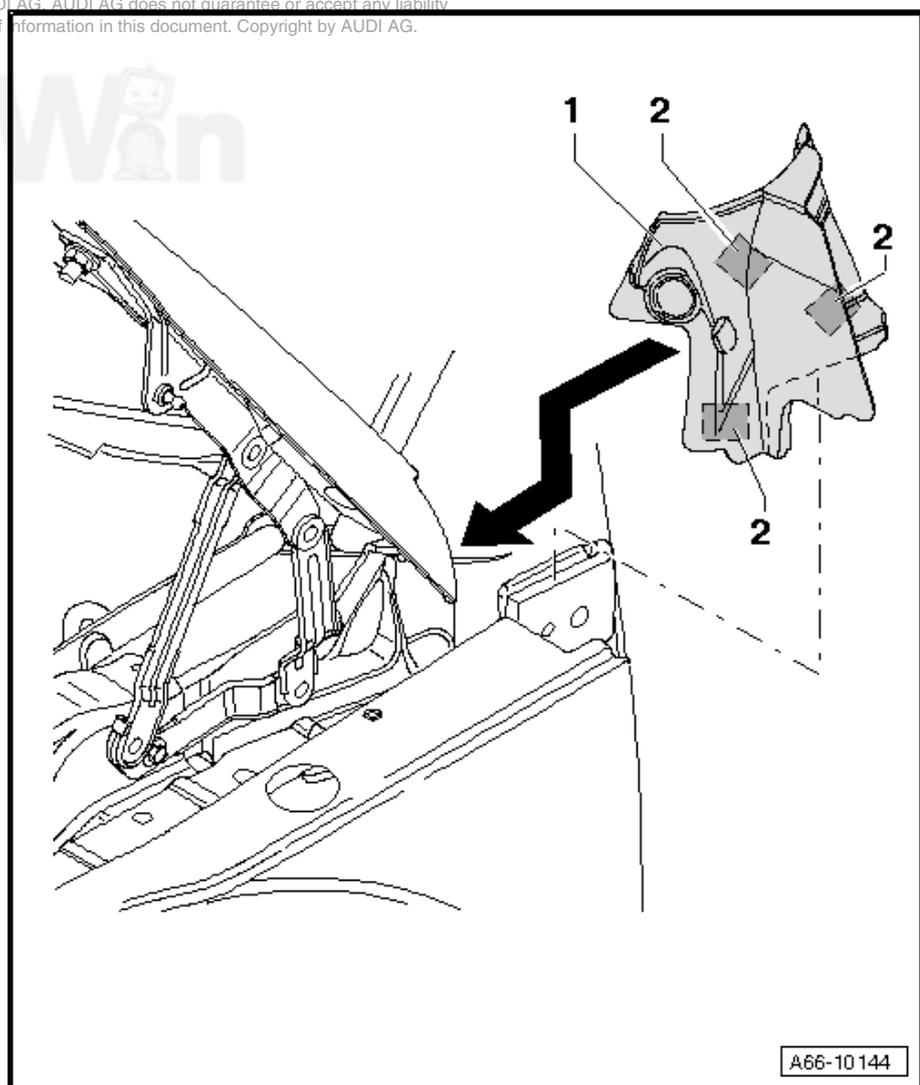
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1 - A-pillar trim

- Adhesion surfaces must be free of dust and grease.
- Clean adhesive surfaces with Cleaning Solution -D 009 401 04- .
- Align trim on »A-pillar«, position and press on firmly.

2 - Double sided adhesive tape

- Remove protective paper before applying.



3.1.4 Outer Sill Panel Strip

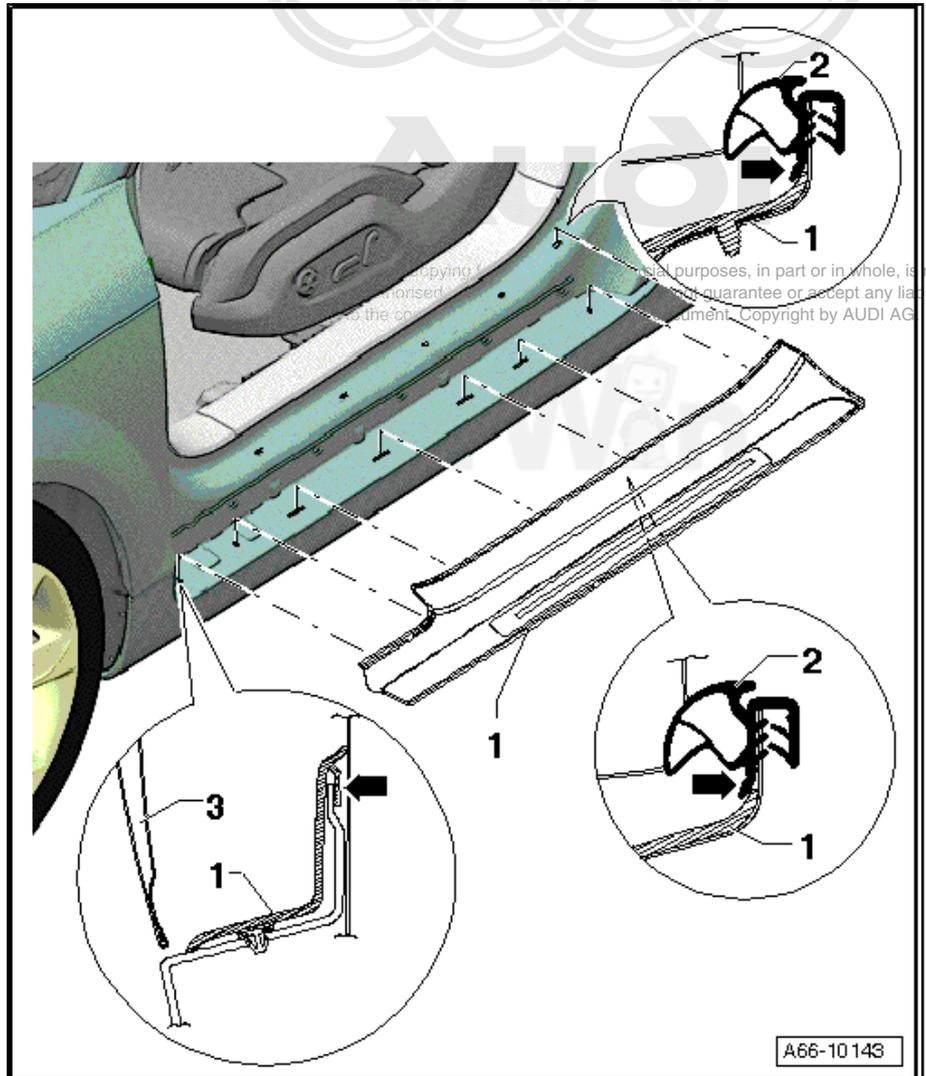
1 - Outer door sill molding

- Removing
 - First unclip bottom of sill panel strip, then pull front of it up from door flange and remove under door seal.
- Installing:
 - Remove protective film from adhesive tape.
 - When installing, ensure sill panel strip slides in under door seal on body flange -arrow- and is pressed onto front of door flange -arrow-.

2 - Door seal

- Outer door seal

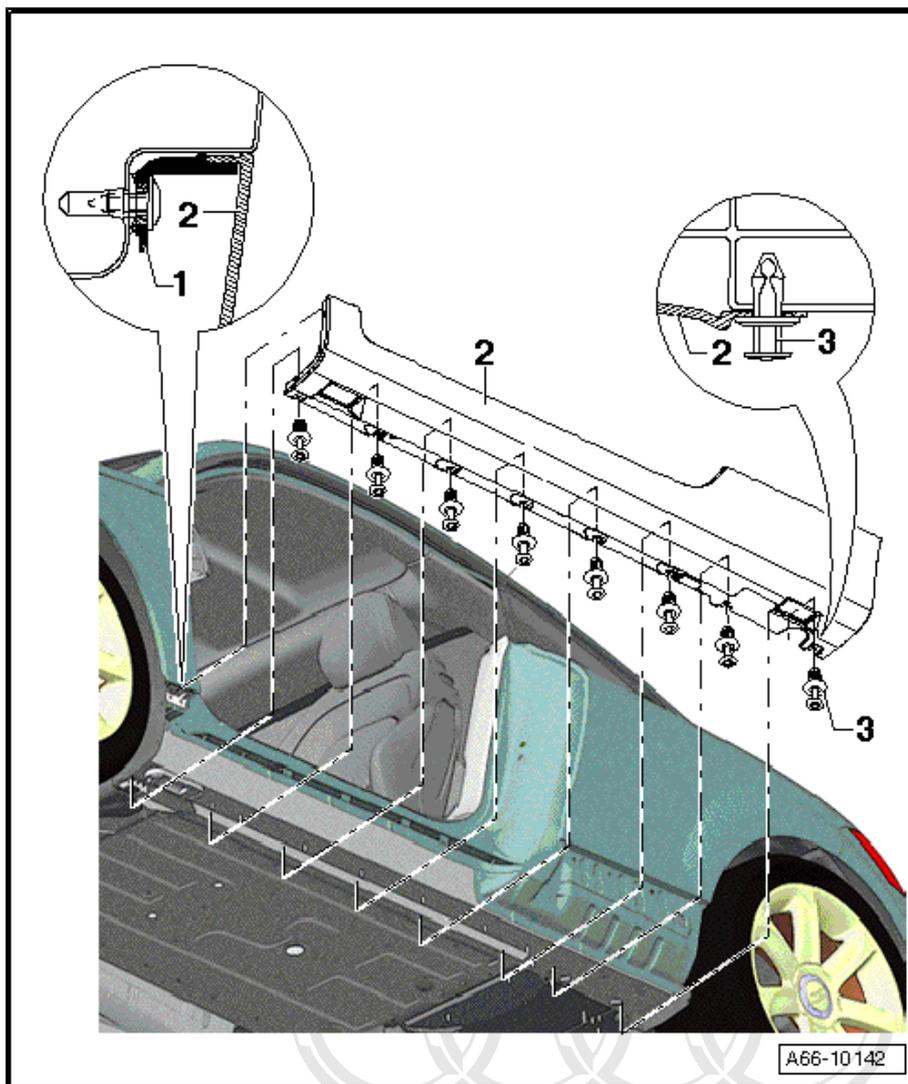
3 - Door



3.1.5 Lower Sill Panel Cover

Removing

- 1 - Bracket for sill panel cover
 - Remove clips -3- (quantity: 8)
- 2 - Sill panel cover trim
- 3 - Clip
 - Quantity 8
 - Remove locking pin and remove clip.



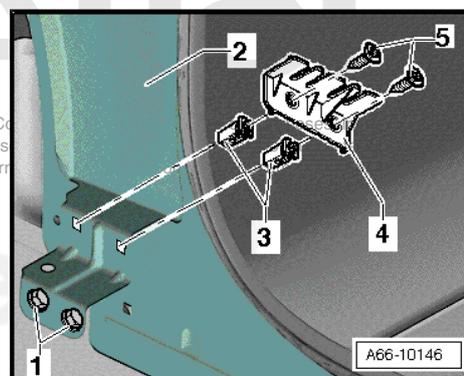
3.1.6 Lower Sill Panel Cover Bracket

Removing

- ◆ Bolt -5- = 2 Nm.

Bolt

- Clip -3- inserted in fender -2-
- Secure bracket -4- with bolts -5-.



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3.1.7 Upper Sill Panel Cover

1 - Clip

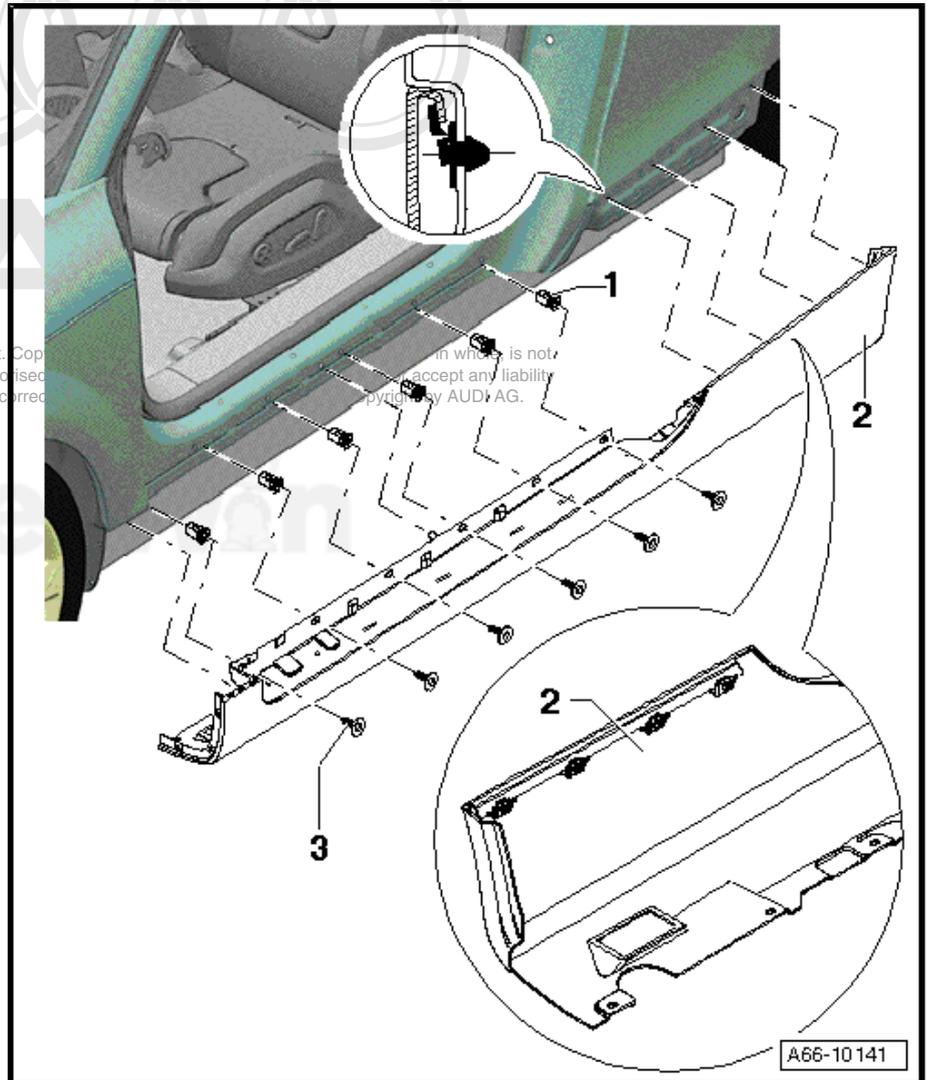
2 - Sill panel cover trim

- Sill panel strip removed.
- Remove bolts -3- under sill panel strip and unclip clips from bottom side.
- Unclip trim on lower A-pillar and from side panel and remove.

3 - Bolt

- 1.5 Nm

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3.2 Exterior Rearview Mirror

⇒ ["3.2.1 Mirror Glass", page 231](#)

⇒ ["3.2.2 Mirror Housing", page 233](#)

⇒ ["3.2.3 Electric Mirror Adjusting Unit", page 234](#)

3.2.1 Mirror Glass

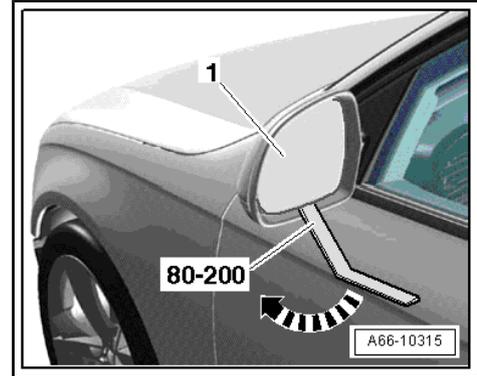
Special tools and workshop equipment required

- ◆ Pry lever -80-200-



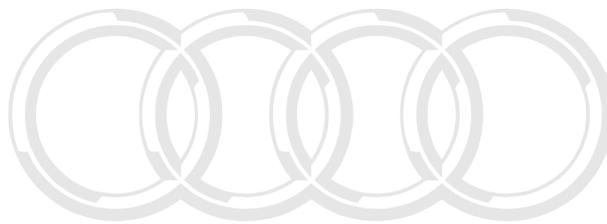
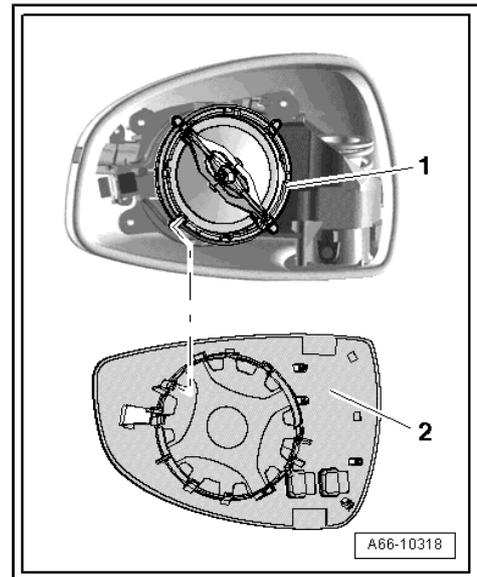
Removing

- Protect the top and bottom edges of the mirror housing from damage using cloth adhesive tape.
- Press mirror glass -1- off of the mirror adjusting unit first at the bottom and then at the top using the -80-200- .



Installation

- Always use protective gloves when installing
- Insert mirror glass -2- into the guide pins of carrier adjusting unit -1- and the friction finger into the friction spring and press on.
- Only put pressure on center of glass when doing so.



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3.2.2 Mirror Housing

1 - Mirror housing

- Remove mirror glass before removing.

Removing

- Disconnect mirror motor and mirror heating electrical connectors.
- Fold mirror all the way forward.
- Remove bolt -6- on mirror base.
- Remove housing upward from mirror base.

- Installation is reverse of removal, noting the following:



Note

- When installing, housing must be pressed completely onto housing base before it is folded back.

2 - Bolt

- 2 Nm

3 - Carrier plate

4 - Bolt

- 6.5 Nm

5 - Mirror base housing

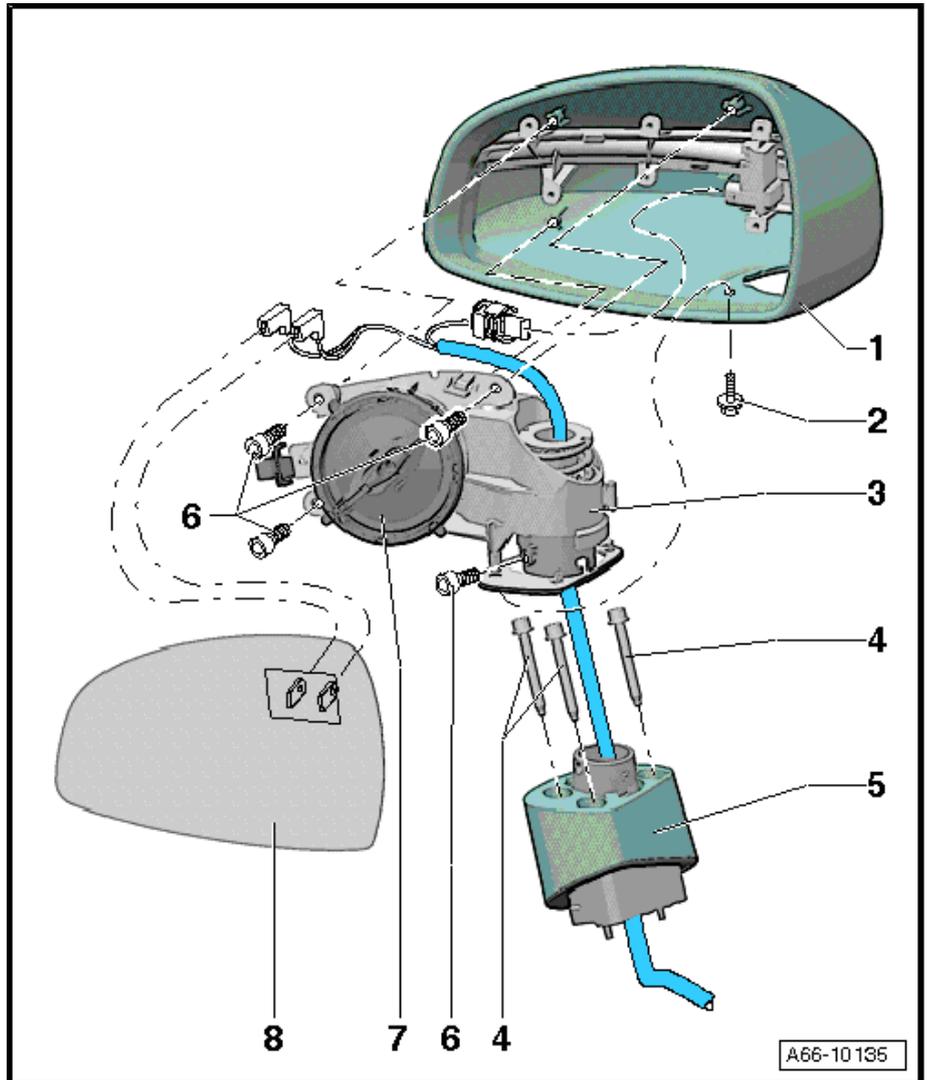
- Mirror housing removed
- Remove bolts -4- and remove mirror base over mirror adjusting cable.

6 - Bolt

- 6.5 Nm

7 - Mirror adjusting unit

8 - Mirror glass

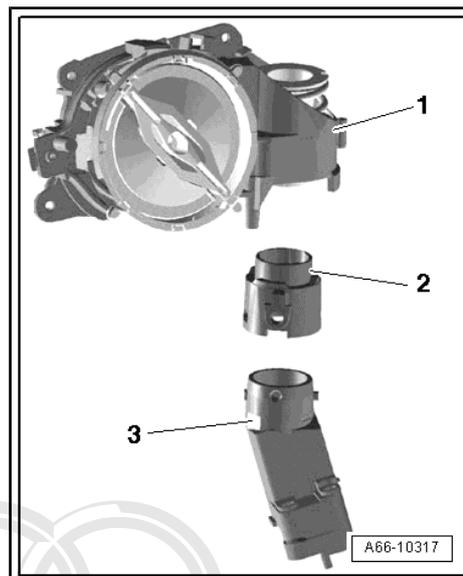


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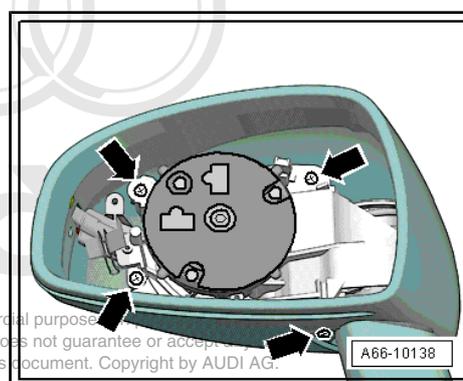
Installing Mirror Base Adapter

- In the case of new carrier plates -1-, the associated adapter -2- is not attached and must first be fastened to mirror base -3-.
- The carrier plate is angled forward when pressed onto the adapter and is then tilted back into the installation position.
- The adapter then engages in the carrier plate.



Removing Mirror Housing

- Remove bolts -arrows- from bottom side of housing and from carrier plate.
- Remove carrier plate from housing.



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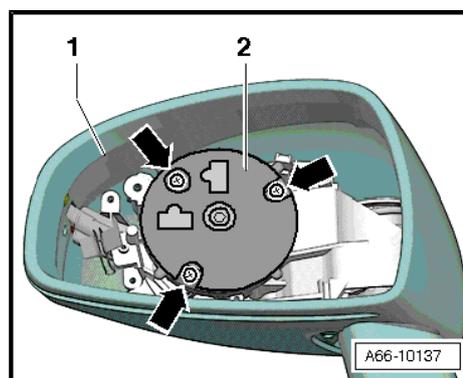
3.2.3 Electric Mirror Adjusting Unit

Removing

- ◆ Screws 1 Nm
- Remove mirror glass. Refer to [⇒ "3.2.1 Mirror Glass", page 231](#).
- Remove bolts -arrows- from mirror adjusting unit -2-.
- Fold mirror adjusting unit -2- to side and unclip electric mirror adjustment connector.

Installation

Installation is the reverse of removal.



3.3 Radiator Grille - Audi TT

⇒ ["3.3.1 Radiator Grille", page 235](#)

3.3.1 Radiator Grille

1 - Bolt

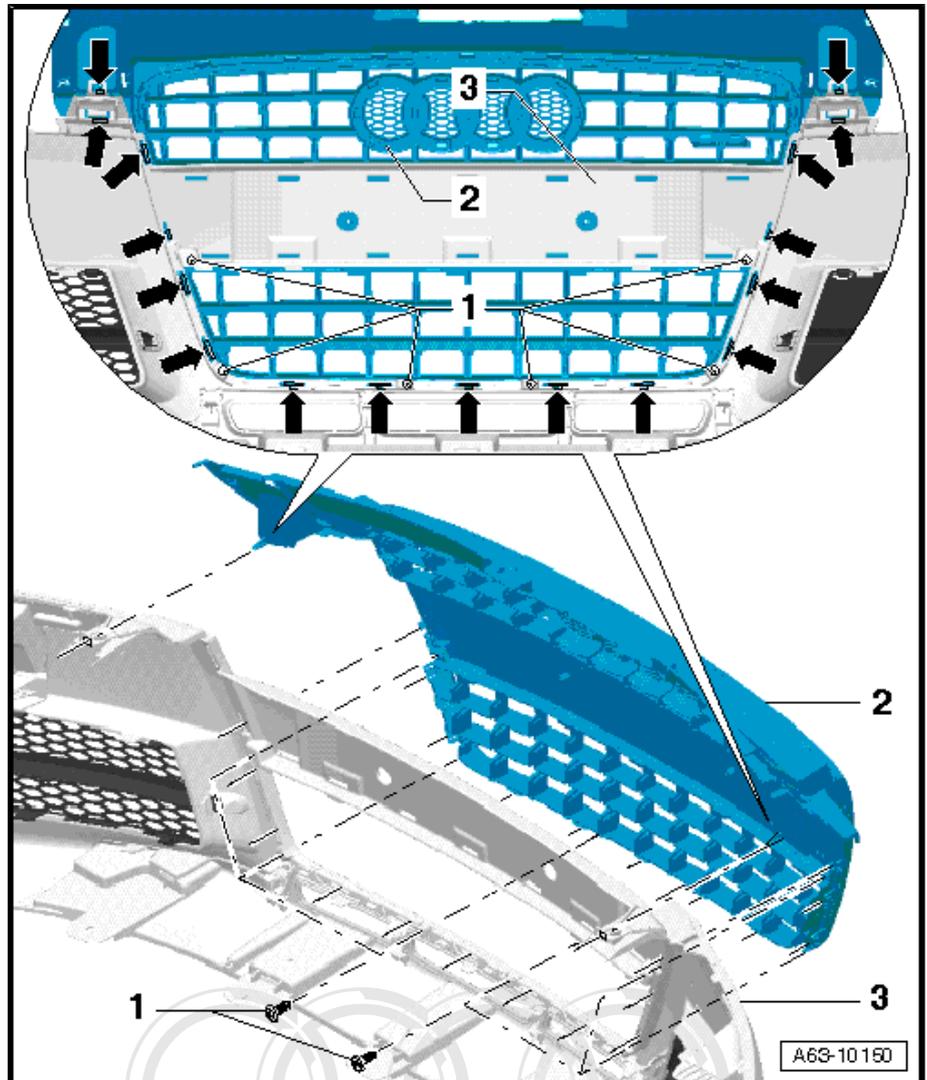
- 1 Nm

2 - Radiator Grille

- Remove bolts, loosen clips in stages and disengage radiator grille from bumper.

3 - Front Bumper

- Bumper removed




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3.4 Radiator Grille - TT RS

⇒ [“3.4.1 License Plate Bracket”, page 236](#)

⇒ [“3.4.2 Radiator Grille Cover”, page 236](#)

⇒ [“3.4.3 Radiator Grille”, page 237](#)

3.4.1 License Plate Bracket

Removing

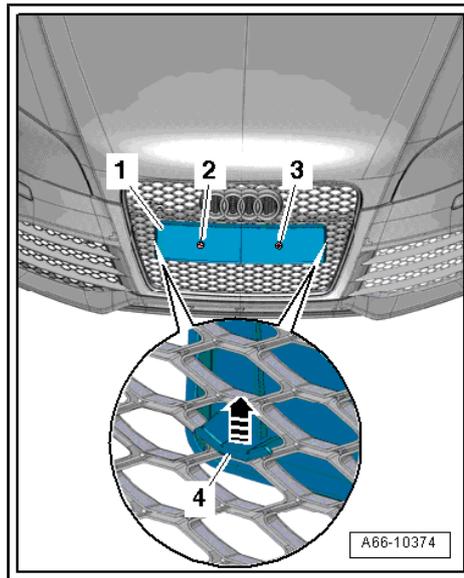
- Remove the license plate.
- Remove the bolts -2- and -3-.
- Detach license plate bracket -1- upward out of the honeycomb-structured grille -arrow- while detaching clips -4-.
- Remove the license plate bracket.

Installation

- For the correct tightening specifications, refer to [⇒ “1.2.1 License Plate Bracket Assembly Overview”, page 220](#).

Install in reverse order of removal. Note the following:

- The license plate bracket must be fully inserted into the honeycomb-structured grille.



3.4.2 Radiator Grille Cover

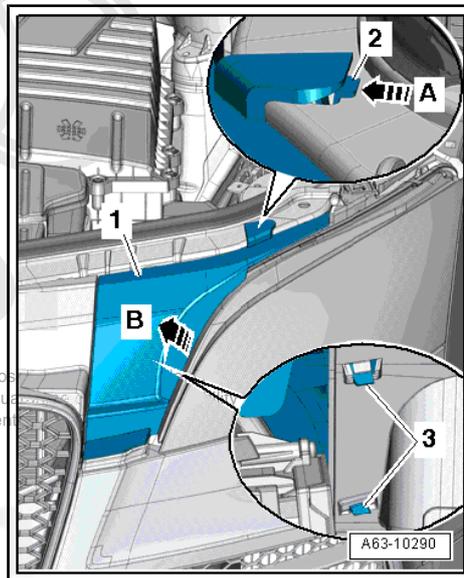
Removing

- Unlock spring clip -2- on the lock carrier -arrow A-.
- Tilt the cover up -arrow B-. This releases retaining clips -3-.
- Detach and remove cover -1- on the radiator grille.

Installation

Install in reverse order of removal. Note the following:

- Attach the cover on the radiator grille and press it on until it engages completely.



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3.4.3 Radiator Grille

Removing

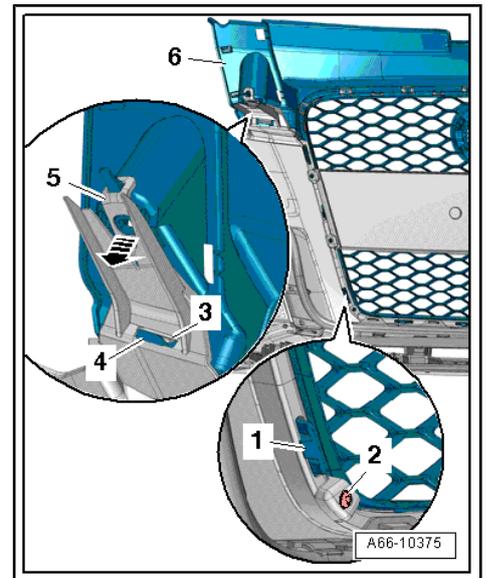
- Remove the license plate bracket. Refer to [⇒ "3.4.1 License Plate Bracket", page 236](#) .
- Remove bumper. Refer to [⇒ "2.4.1 Rear Bumper", page 182](#) .
- Remove the bolt -2-.
- Unlock retaining clip -1- along the screws and press the radiator grille partly out of the bumper.
- Carefully press securing tab -3- up and release retaining tab -4- while detaching the radiator grille from mount -5- -arrow-.
- Remove radiator grille -6- from the bumper.

Installation

- For the correct tightening specifications, refer to [⇒ "1.2.1 License Plate Bracket Assembly Overview", page 220](#) .

Install in reverse order of removal. Note the following:

- Press on the radiator grille until it engages completely
- Install the bumper. Refer to [⇒ "2.4.1 Rear Bumper", page 182](#) .
- Install the license plate bracket. Refer to [⇒ "3.4.1 License Plate Bracket", page 236](#) .



3.5 Spoiler - TT

[⇒ "3.5.1 Rear Lid Spoiler", page 237](#)

[⇒ "3.5.2 Front Wheel Spoiler", page 239](#)

[⇒ "3.5.3 Rear Wheel Spoiler", page 240](#)

3.5.1 Rear Lid Spoiler



Caution

- ◆ *The adjusting elements and screws for securing the spoiler must always be replaced when replacing the spoiler.*
- ◆ *The water drain hoses must be replaced when removing and installing the drive unit.*

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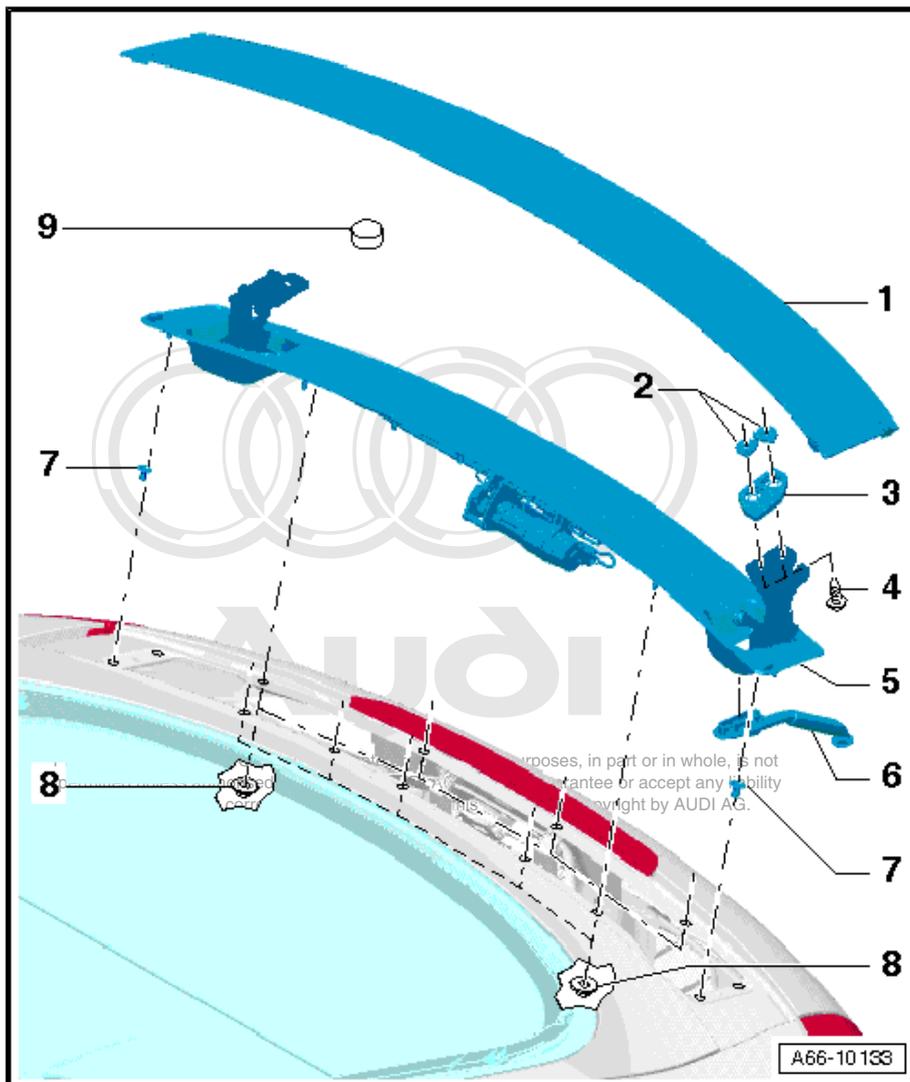
1 - Spoiler

- Removing
 - Extend spoiler
 - Remove bolts -4- and remove spoiler.

Installing:

Note

- The rear lid trim panel is removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation
- Retract spoiler.
- Remove water drain hoses.
- Clip adjusting elements into spoiler
- Align intermediate piece according to adjusting elements and bond to spoiler.
- Insert spoiler in drive unit and align slides, top and bottom.
- With assistants, press spoiler in evenly and hold firmly.



- Open lid and tighten bolts -4- through water drain hose opening.
- Install water drain hose, ensuring it is seated correctly and does not leak.

2 - Adjusting element

- Always replace.
- Clip into spoiler
- The adjusting elements are self-adjusting. That means height differences can be evened out by the adjusting elements.

3 - Intermediate piece

- Self-adhesive

4 - Bolt

- Always replace.
- 6 Nm

5 - Spoiler motor

- Removing
 - Rear lid trim removed. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation .
 - Remove water drain hoses.
 - Disconnect electrical connectors.
 - Remove nuts -8- and remove motor from lid.

- Installing:
- Installation is performed in the reverse order of removal.

 **Note**

- 6 - Water drain hose**
 - Always replace.
- 7 - Clip**
- 8 - Nut**

 **Note**

- 2 Nm
- 9 - Stop**
 - Self-adhesive

3.5.2 Front Wheel Spoiler

1 - Lower part of wheel housing liner

- Wheel spoiler removed
- Remove bolts -2- from bottom part and remove under upper part of wheel housing liner.

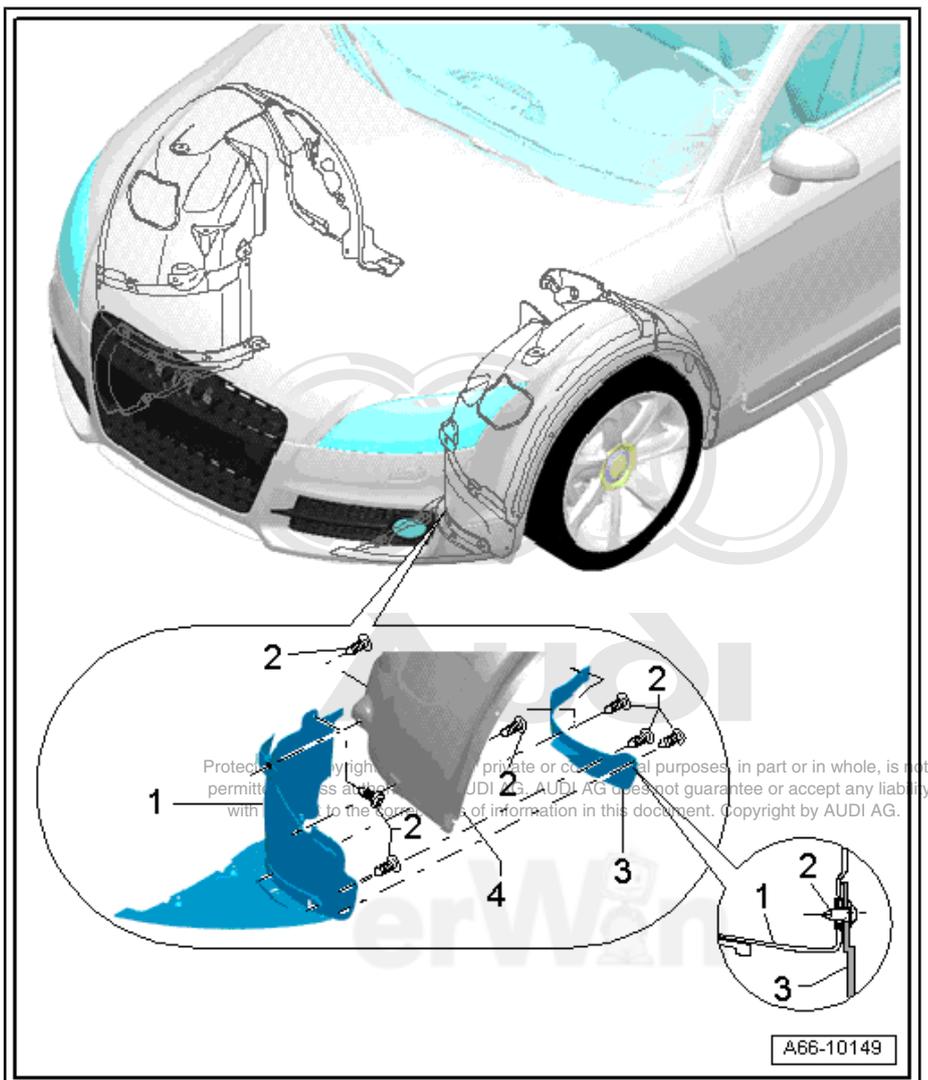
2 - Bolt

- 2 Nm

3 - Wheel spoiler

- To remove, remove bolts -2-.

4 - Upper part of wheel housing liner



3.5.3 Rear Wheel Spoiler

1 - Sill panel cover trim

2 - Bolt

- 1.5 Nm

3 - Nut

- 2 Nm

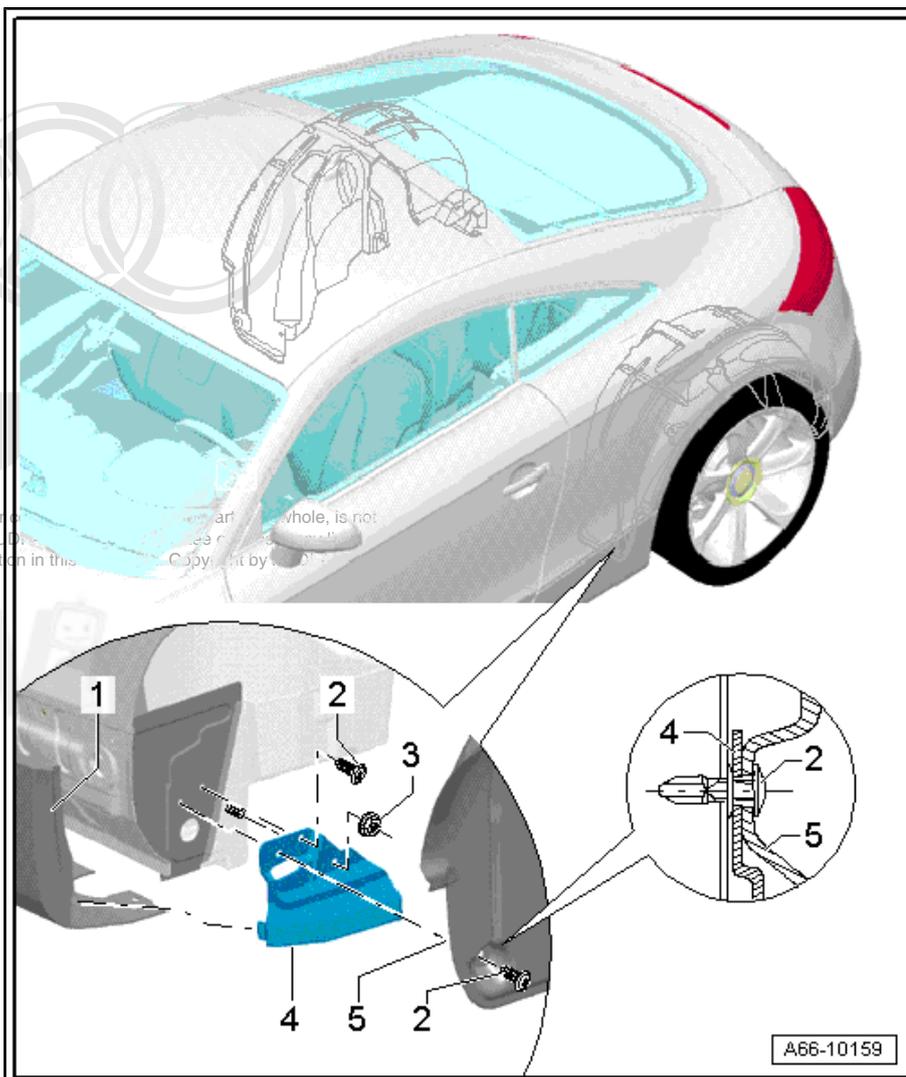
4 - Wheel spoiler

- Slide wheel spoiler in under wheel housing liner as shown

- Loosen wheel housing liner in wheel spoiler area and move to side.

- Remove bolt -2- and nut -3- and remove wheel spoiler

5 - Rear Wheel Housing Liner



3.6 Spoiler - TT RS

⇒ ["3.6.1 Spoiler", page 240](#)

⇒ ["3.6.2 Spoiler, Assembling", page 241](#)

3.6.1 Spoiler



Note

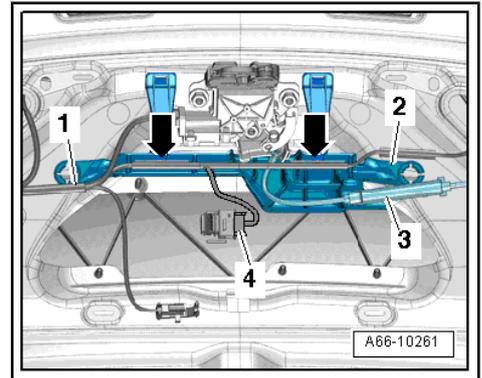
- ◆ *After painting, the spoiler of the TT RS is assembled from the components shown in the assembly overview.*
- ◆ *The spoiler is not designed for disassembly.*

Removing

- Remove the lower rear lid trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation

Roadster:

- Expose electrical wiring harness -1- on the line channel -arrows-.
- Detach the control cable from mount -3-. Refer to ⇒ [“2.4.1 Rear Lid”, page 59](#) .
- Remove control cable and line channel mount -2- from the rear lid.



All vehicles:

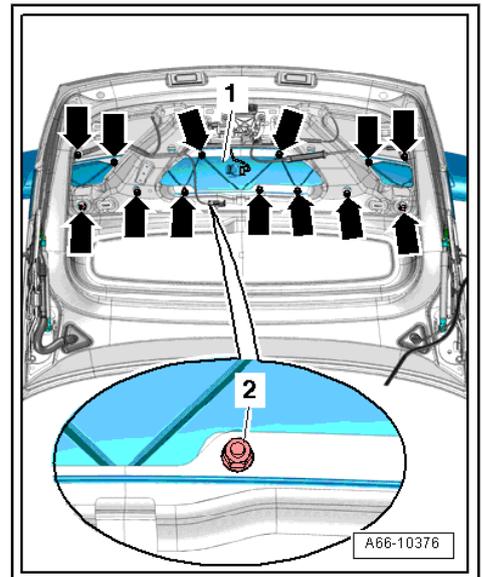
- Disconnect the connector -1-.
- At the locations indicated by -arrows-, unscrew nuts -2-.
- Remove the lower part of the spoiler.

Installation

- For the correct tightening specifications, refer to ⇒ [“2.3.1 Rear Spoiler Assembly Overview”, page 224](#) .

Install in reverse order of removal. Note the following:

- Attach the control cable at the mount. Refer to ⇒ [“2.4.1 Rear Lid”, page 59](#)
- Install the lower rear lid trim. Refer to ⇒ Body Interior; Rep. Gr. 70 ; Removal and Installation



3.6.2 Spoiler, Assembling



Note

- ◆ *After painting, the spoiler of the TT RS is assembled from the components shown in the assembly overview.*
- ◆ *The spoiler is not designed for disassembly.*

Special tools and workshop equipment required

- ◆ Instant adhesive -AMV 195 KD 101-
- ◆ Locking compound -D 000 006-
- ◆ Cleaning solution -D 009 401 04-
- ◆ 2K-plastic-adhesive -D 180 KU2 A1-
- ◆ 3 hex socket screws M6 x 5.5 mm



WARNING

Note the minimum curing time for the 2K-plastic-adhesive -D 180 KU2 A1-, refer to ⇒ [page 246](#) .

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Procedure

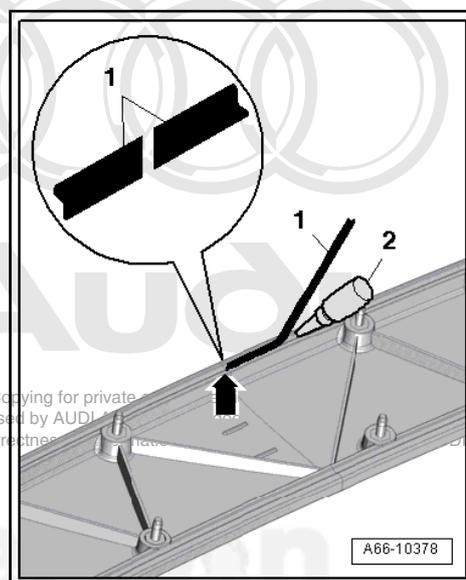
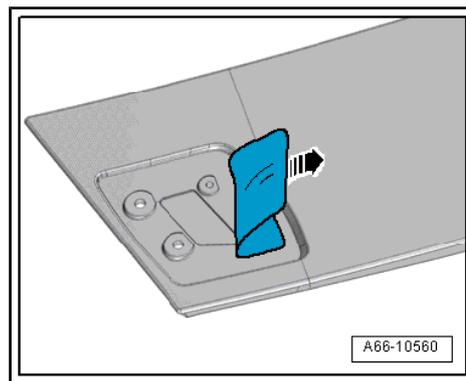
- For the correct tightening specifications; refer to [⇒ "2.3.1 Rear Spoiler Assembly Overview", page 224](#) .



Note

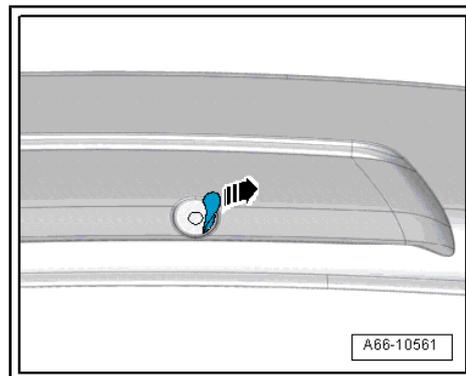
After painting, the spoiler of the TT RS is assembled with the components shown in the assembly overview.

- Painted individual spoiler components.
- Place the spoiler base plate on a soft clean surface on the workbench.
- Remove the protective film on the attachment points -arrow-.
- Rotate the spoiler base plate.
- The threaded pins point up.
- Clean the sealing cord recess with cleaning solution -D 009 401 04- .
- Secure sealing cord -1- in the recess with instant adhesive -AMV 195 KD 101- -2-.
- The start and end of the sealing cord must be in the back in the center of the spoiler base plate -arrow-.
- Cut the ends of the sealing cord at an angle and glue the joint.

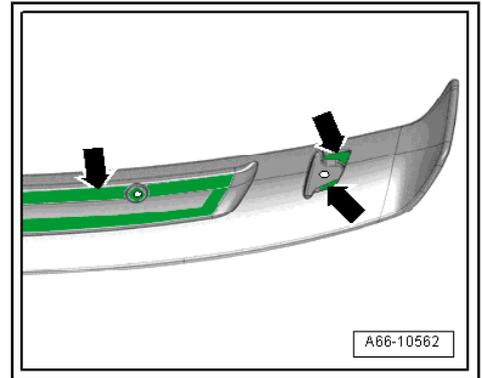


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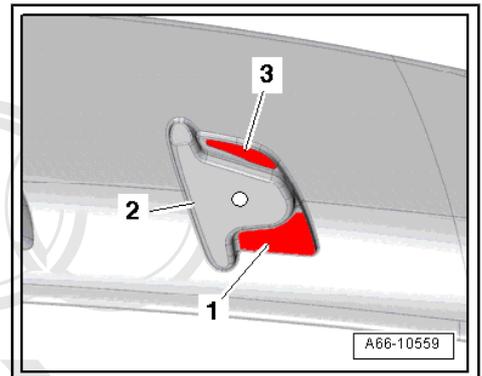
- Place the spoiler upper part on a soft clean surface on the workbench.
- Remove the protective film on the attachment points -arrow-.



- Clean all surfaces -arrows- that will later be in contact with double-sided adhesive tape with cleaning solution -D 009 401 04- .

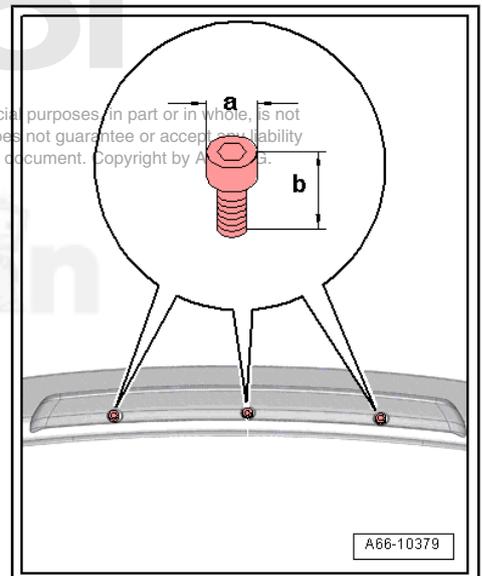


- Adhere double-sided adhesive tape -1- and -3- to the outside of attachment surface-2- on the left and right as shown in the figure.

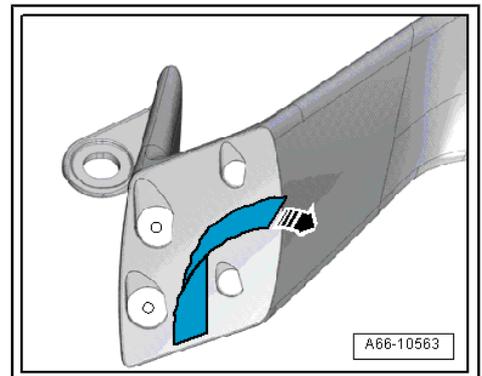


- Screw in the hex socket screws with the dimensions -a- and -b- as centering pins in the 3 center mounting holes of the spoiler upper part.

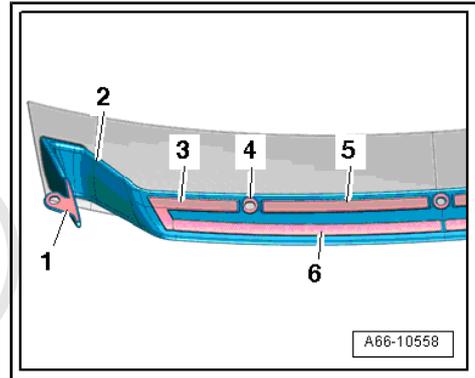
- Dimension -a- = approximately 9.8 mm
- Dimension -b- = 5.5 mm.



- Place the spoiler center part on a soft clean surface on the workbench.
- Remove the protective films on the contact surfaces for the base plate.
- Roughen the contact surfaces for the base plate with sandpaper and clean with cleaning solution -D 009 401 04- .

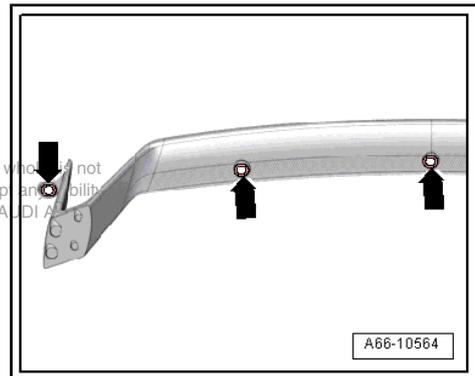


- Rotate the spoiler center part.
- Clean all surfaces that will later be in contact with double-sided adhesive tape with cleaning solution -D 009 401 04- .
- Attach film -1- and double-sided adhesive tape -3 through 6- to spoiler center part -2- as shown in the figure.

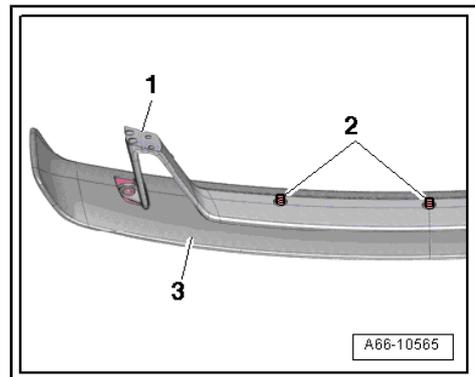


- Rotate the spoiler center part with the upper part.
- Adhere ring-shaped films -arrows- to the attachment points.

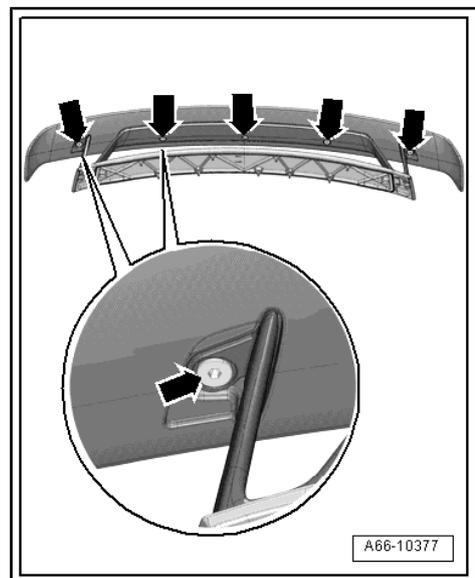
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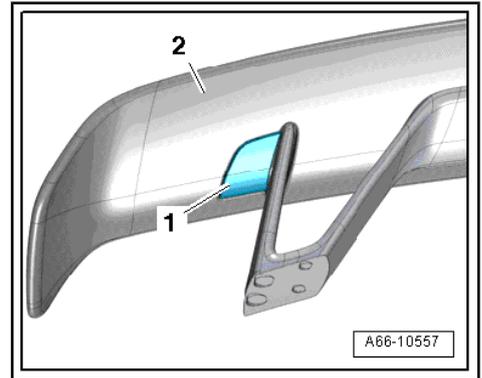
- Remove all protective films of the double-sided adhesive tape and attach spoiler center part -1- via centering aids -2- to spoiler upper part -3-.
- Manually press the parts firmly together.



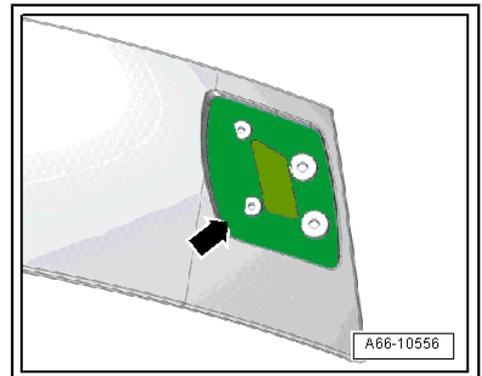
- Coat the screws including the collar with locking compound - D 000 006- and screw them in partially at the locations indicated by -arrows-.
- Tighten the screws from the inside to the outside. Remove the centering aids for this purpose.



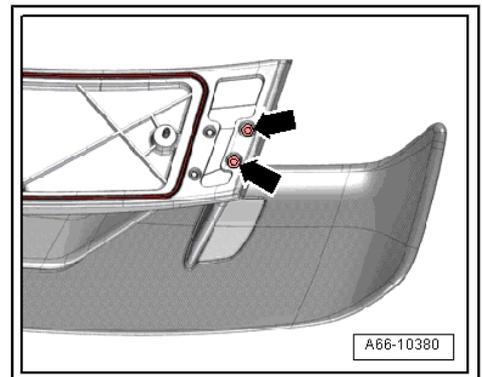
- Position cap -1- on the double-sided adhesive tape on spoiler upper part -2-.
- Manually press the cap firmly on.



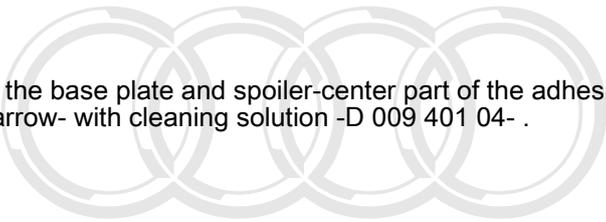
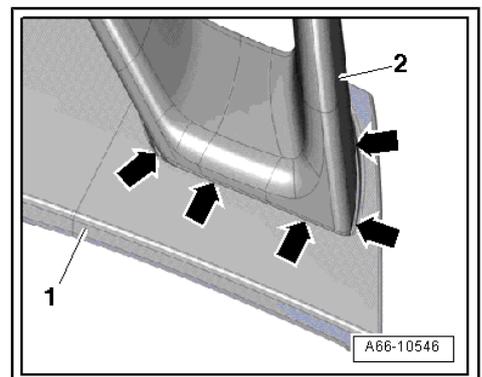
- Clean the base plate and spoiler-center part of the adhesion area-arrow- with cleaning solution -D 009 401 04- .



- Position the spoiler center part with the upper part on the base plate and secure it on the left and right with two screws each -arrows-.



- Check the gap size -arrows- between spoiler base plate -1- and spoiler center part -2-, center if necessary.

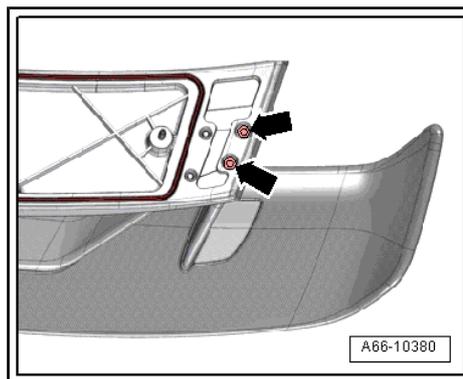


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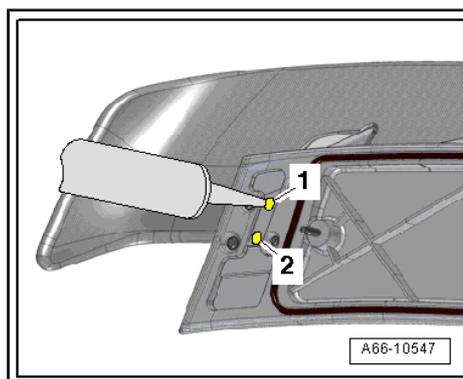
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- Tighten the screws -arrows- on the left and right with the specified torque. Refer to => [Item 22 \(page 225\)](#)



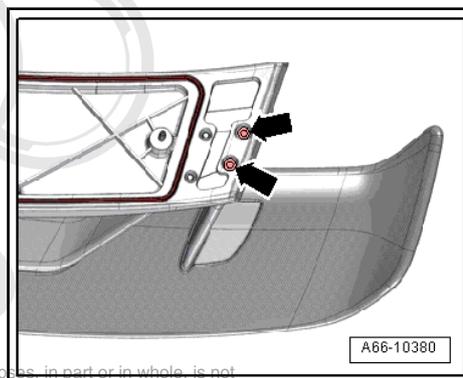
- Apply adhesive cartridges of 2K-plastic-adhesive -D 180 KU2 A1- on the spoiler-base plate opening -1-.
- Press glue into the bore hole until it comes out of the other bore hole -2-.
- Repeat the process on the opposite side.



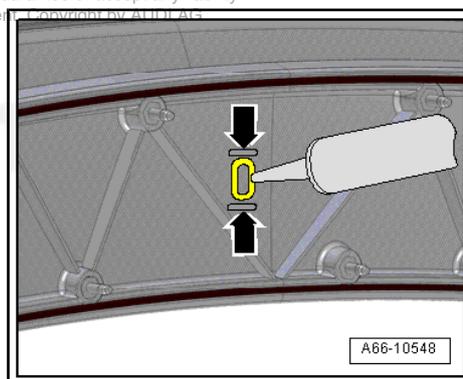
WARNING

- *Note that the minimum curing time is 3 hours.*
- *The vehicle can only be used after the minimum curing time has elapsed.*

- Use the glue cartridge from the installation kit to place an adhesive bead around the screw heads -arrows- of the left and right screws and spread.

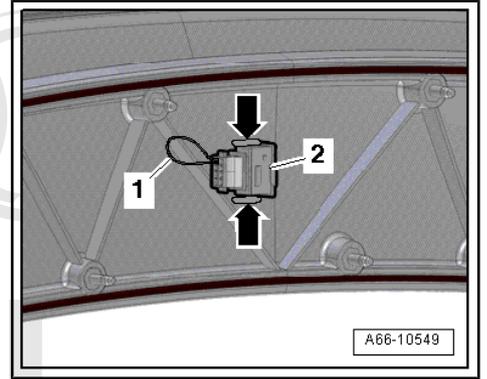


- Apply an adhesive bead of 2K-plastic-adhesive -D 180 KU2 A1- with the glue from the installation kit between the markings -arrows- on the back of the spoiler base plate as shown in the figure.



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- Position bridging connector -2- as shown in the figure between the markings -arrows- and manually press on it until the glue is firm.
- Bridging wire -1- must point to the left in the direction of travel.



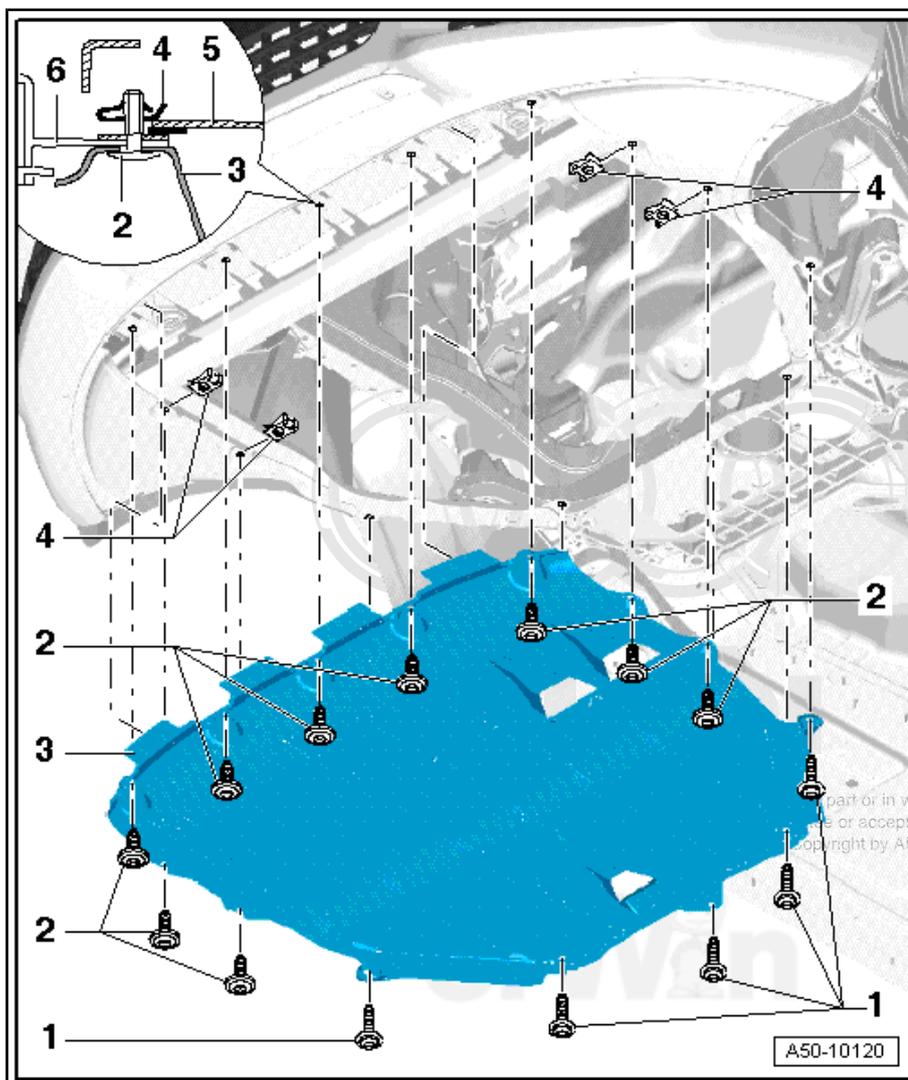
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3.7 Underbody Trim Panels and Heat Shields

- ⇒ "3.7.1 Noise Insulation", page 248
- ⇒ "3.7.2 Bulkhead Heat Shield", page 249
- ⇒ "3.7.3 Center Tunnel Heat Shield", page 250
- ⇒ "3.7.4 Center Bearing Heat Shield", page 251
- ⇒ "3.7.5 Center Muffler Heat Shield", page 252
- ⇒ "3.7.6 End Muffler Heat Shield", page 253
- ⇒ "3.7.7 Center Muffler Trim", page 254
- ⇒ "3.7.8 Trim Angled Bracket", page 254

3.7.1 Noise Insulation

- 1 - Bolt
 - 6 Nm
- 2 - Bolt
 - 2 Nm
- 3 - Noise Insulation
 - Removing
 - Remove the bolts -1- and -2- and remove the noise insulation toward the rear under the bumper.
 - When installing, slide the front noise insulation in under the bumper.
- 4 - Threaded clip
 - Slid sideways onto bumper.
- 5 - Lock carrier
- 6 - Bumper



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3.7.2 Bulkhead Heat Shield

Removing

1 - Nut

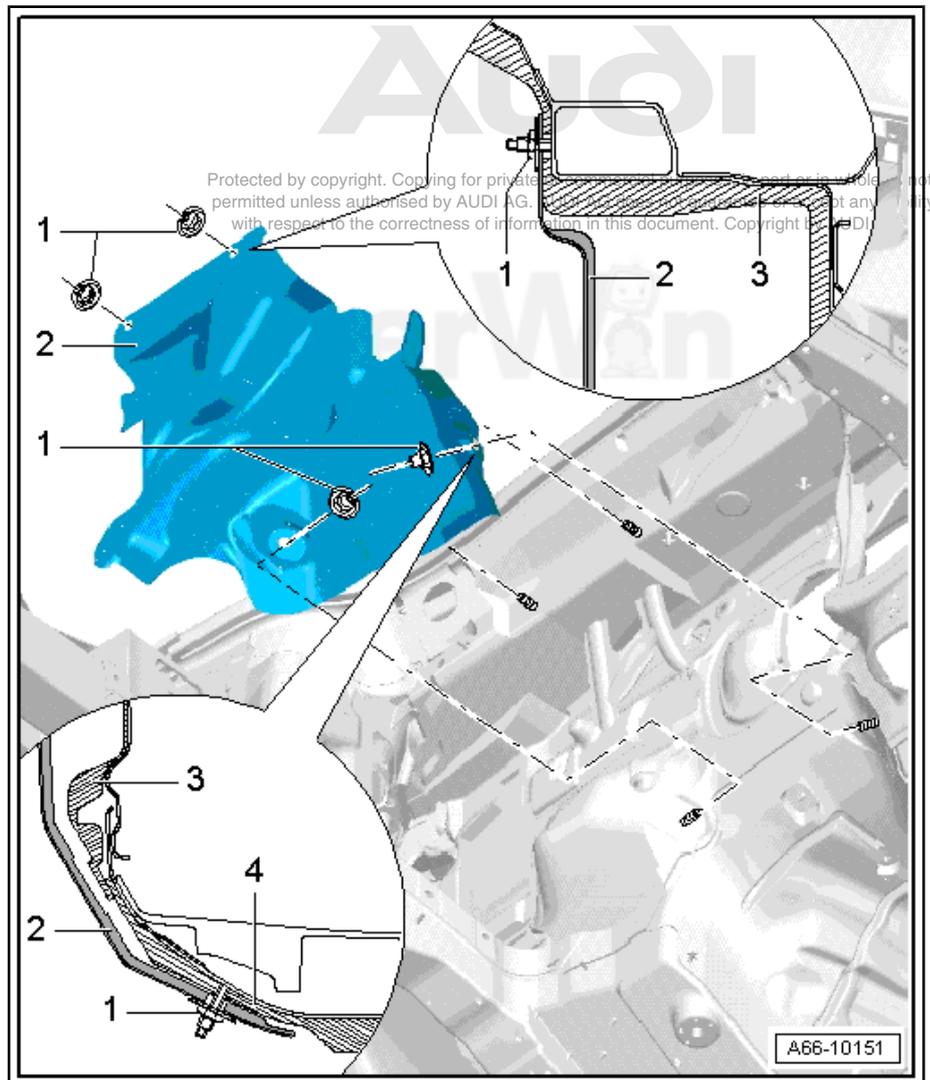
- 2 Nm

2 - Heat shield

3 - Bulkhead insulation

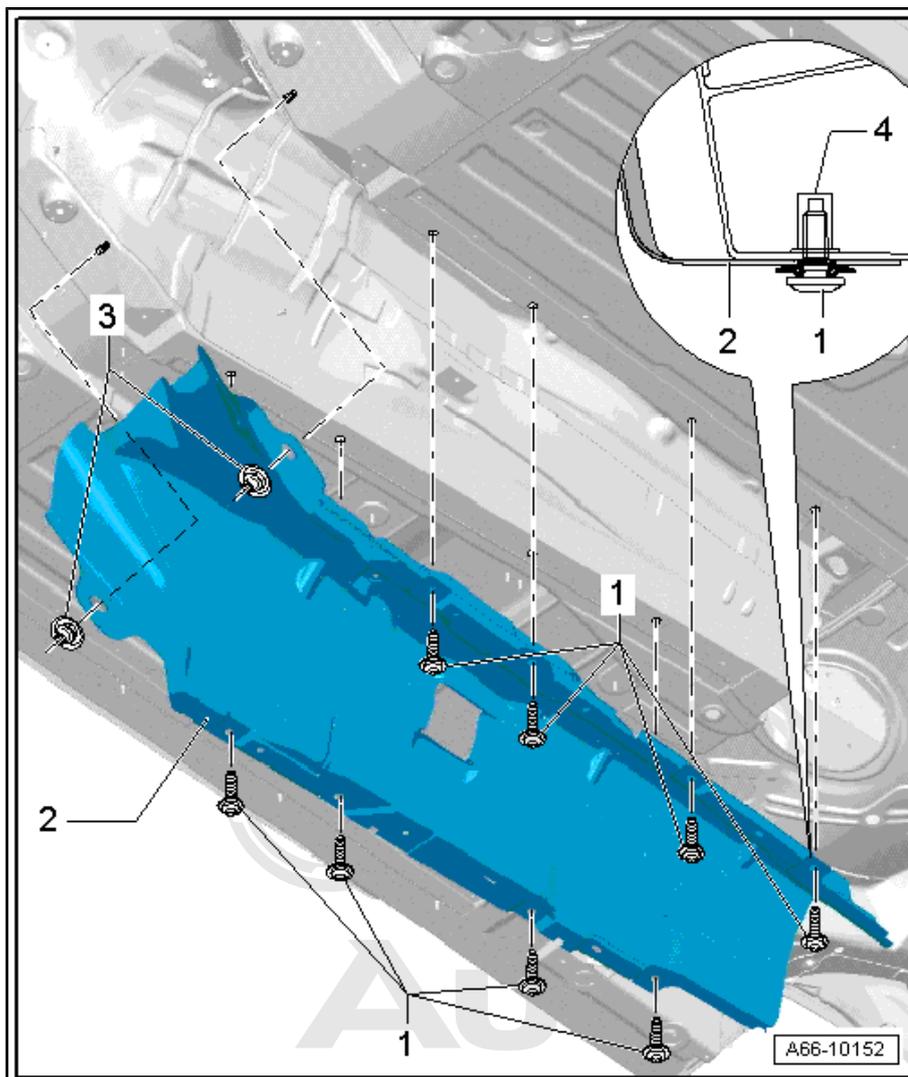
- Routed on joint over center tunnel insulation as shown

4 - Center tunnel insulation



3.7.3 Center Tunnel Heat Shield

- 1 - Bolt
□ 8 Nm
- 2 - Heat shield
- 3 - Nut
□ 8 Nm



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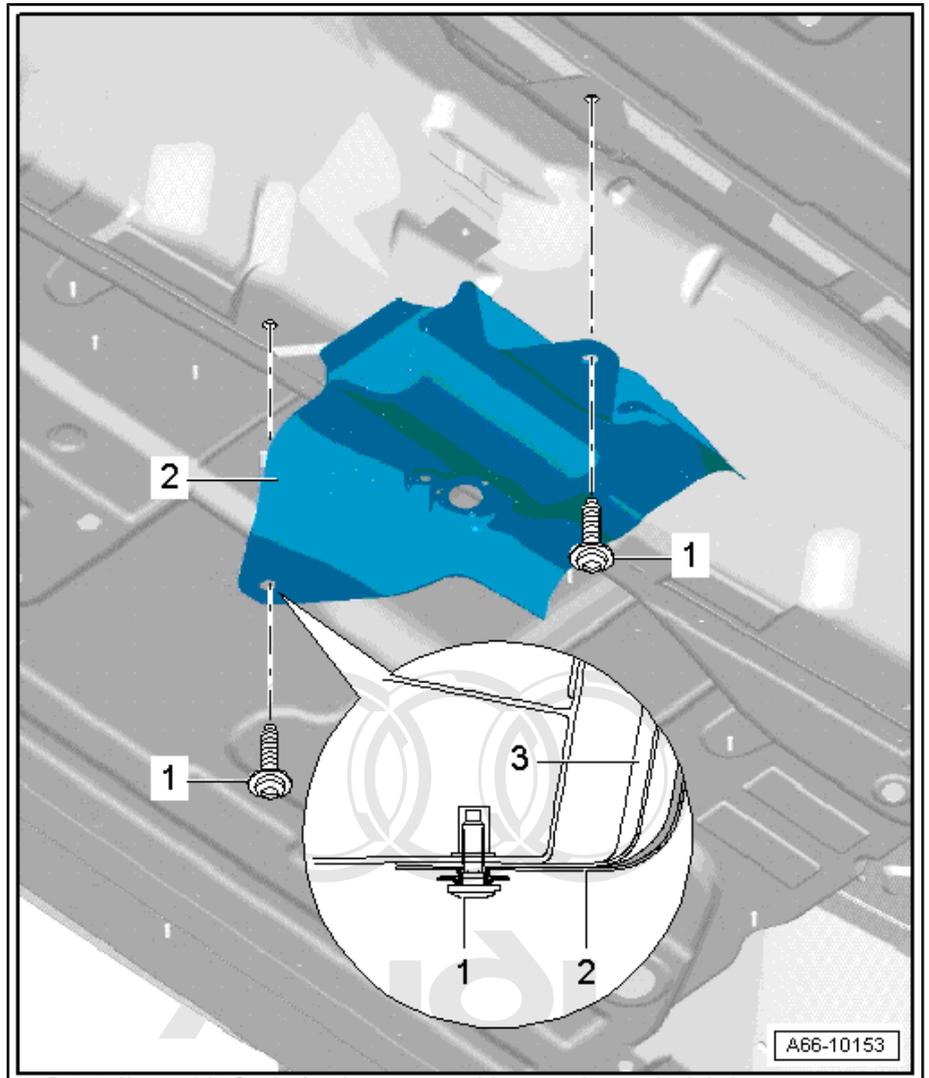
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3.7.4 Center Bearing Heat Shield

1 - Bolt

□ 8 Nm

2 - Heat shield



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3.7.5 Center Muffler Heat Shield

Removing

1 - Lock washer

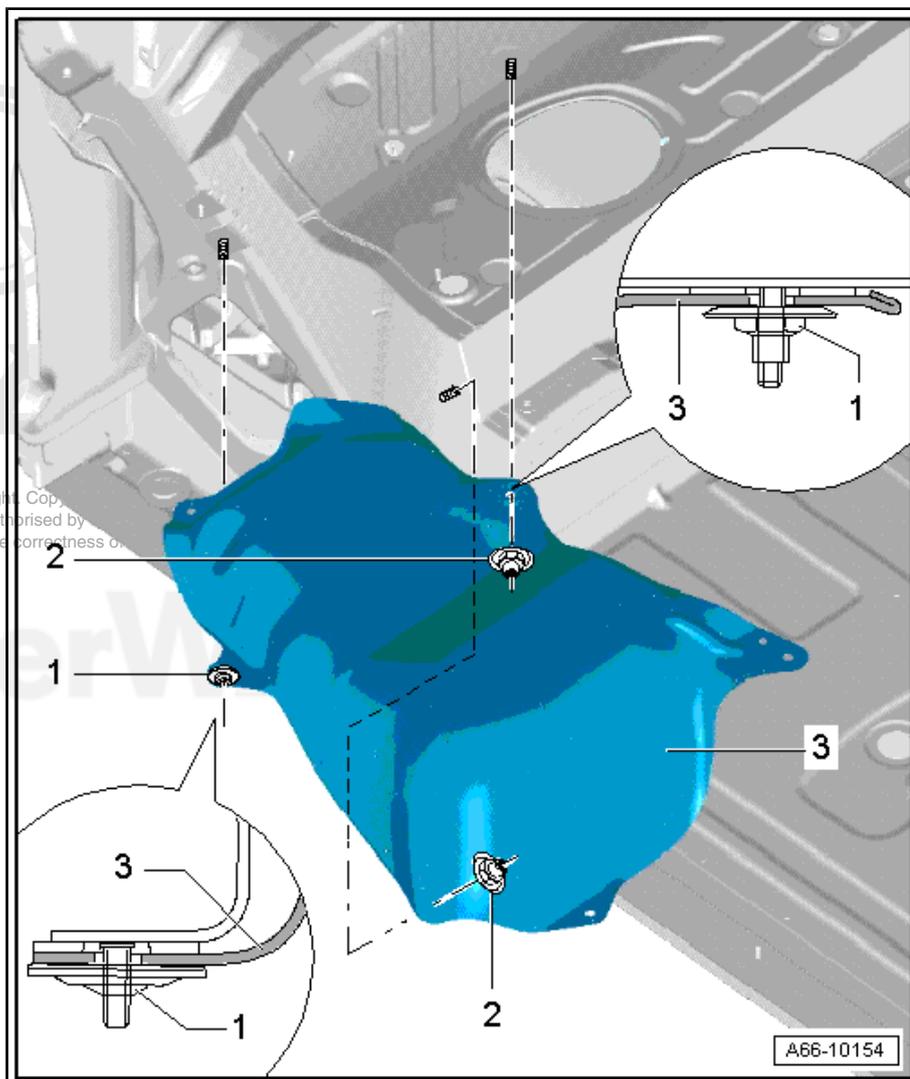
- When removing, remove from threaded pins.
- When installing, lock washer is driven onto threaded pins.

2 - Nut

- 2 Nm

3 - Heat shield

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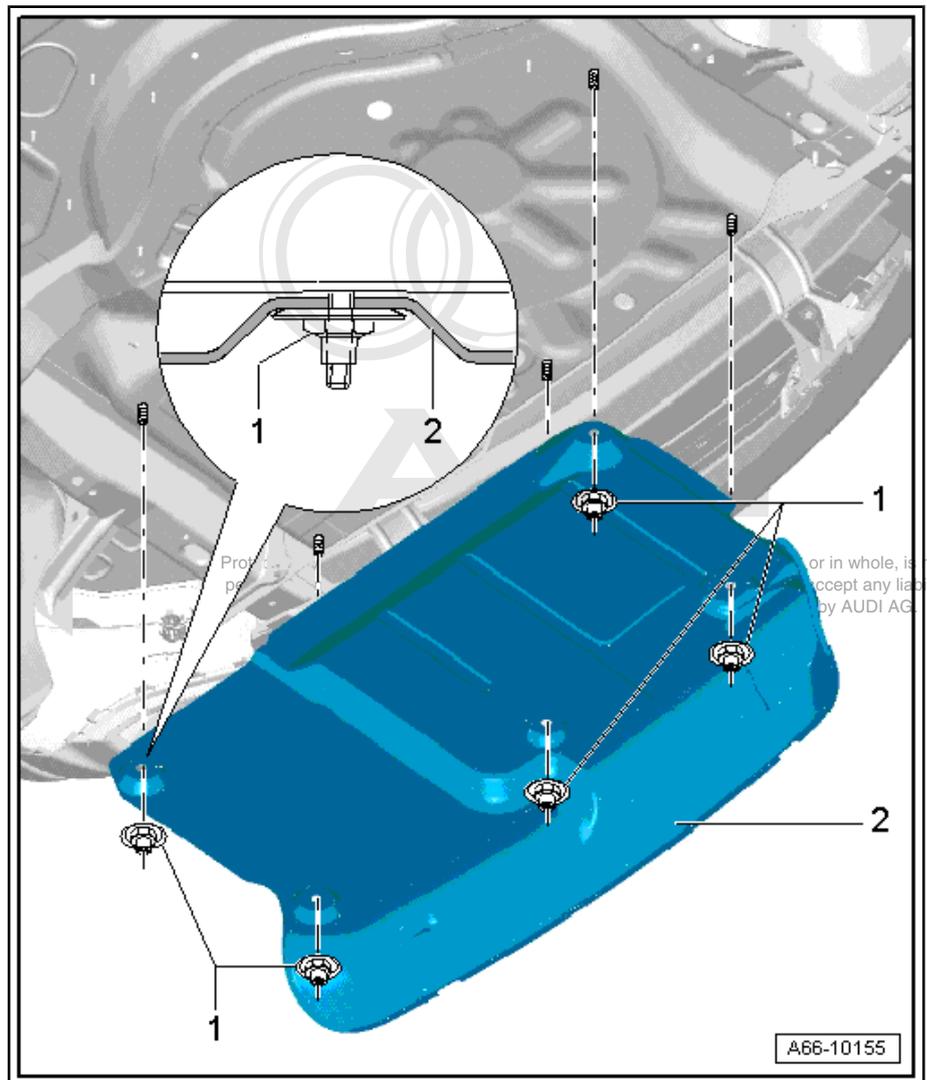
3.7.6 End Muffler Heat Shield

Removing

1 - Nut

□ 4.5 Nm

2 - Heat shield



3.7.7 Center Muffler Trim

Removing

1 - Center muffler trim

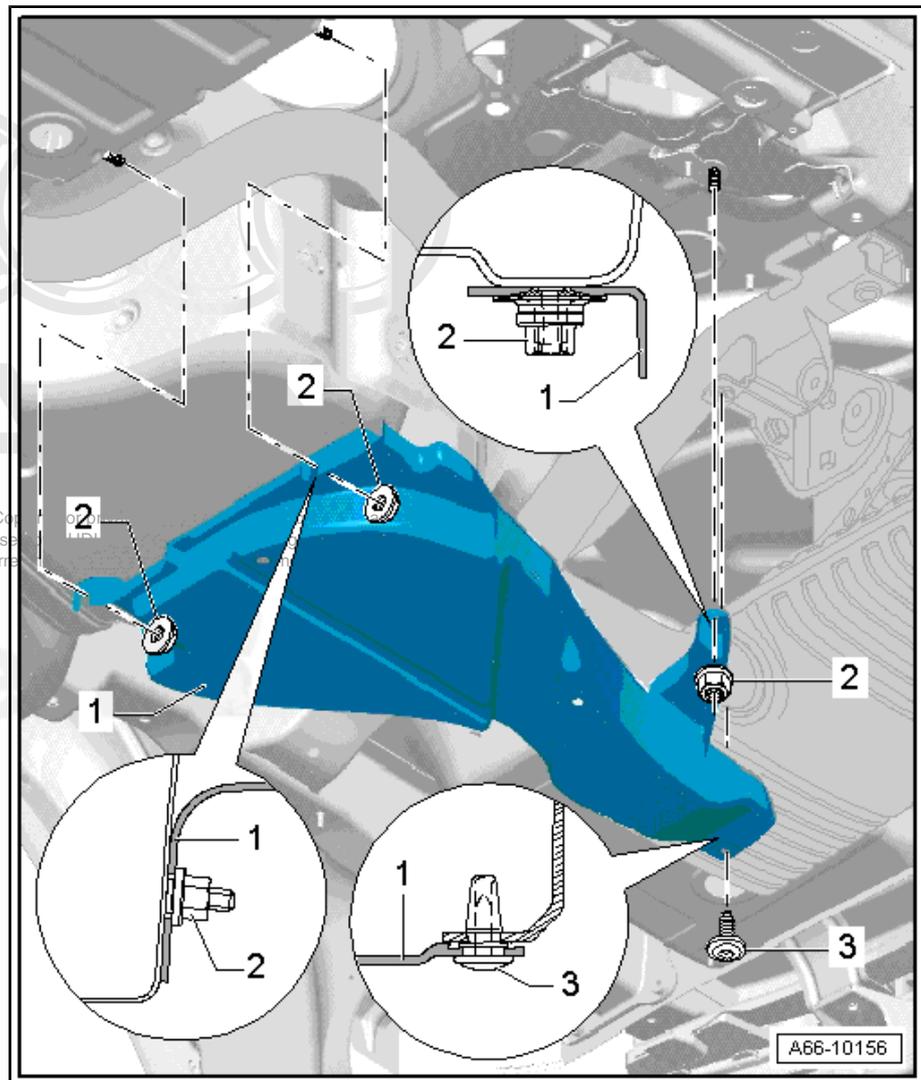
2 - Nut

□ 2 Nm

3 - Bolt

□ 2 Nm

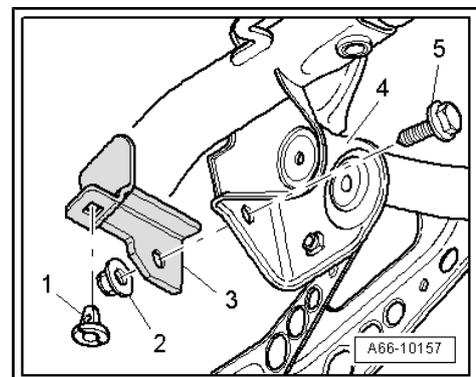
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3.7.8 Trim Angled Bracket

Removing

- Secure angled bracket -3- with bolt -5- and nut -2- on mounting frame -4-.
- Clip -1- pressed into angled bracket.



3.8 Wheel Housing Liners

⇒ ["3.8.1 Front Wheel Housing Liner", page 255](#)

⇒ ["3.8.2 Rear Wheel Housing Liner", page 256](#)

3.8.1 Front Wheel Housing Liner

1 - Front Wheel Housing Liner

- Removing
- Press in front wheel accordingly.
- Remove all bolts and nuts from wheel housing liner.
- Remove expanding clips from wheel housing liner and from front sill panel cover.
- Disengage wheel housing liner from fender and pull downward and out.
- Installation: in reverse order.

2 - Expanding clip

3 - Nut

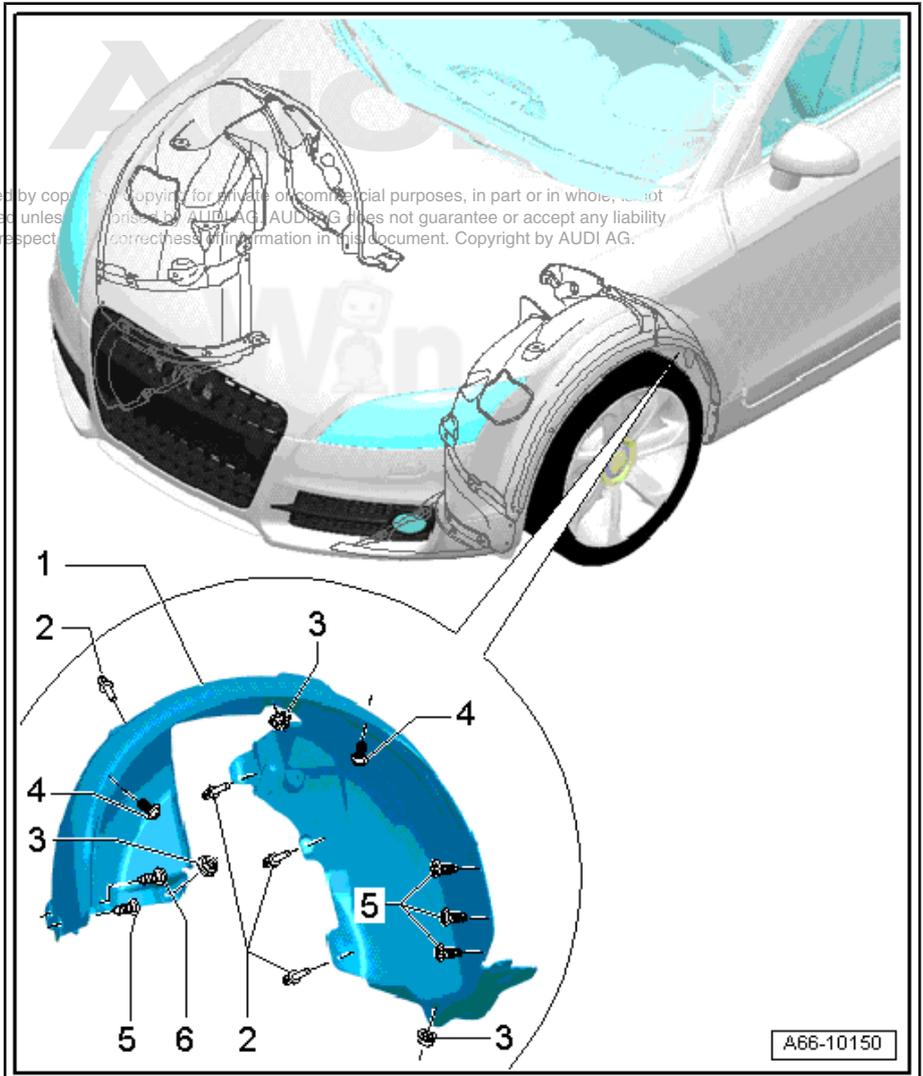
- 2 Nm

4 - Bolt

- 1.5 Nm

5 - Bolt

- 1.5 Nm



3.8.2 Rear Wheel Housing Liner

1 - Rear Wheel Housing Liner

- Rear wheel removed.
 - Removing
 - Vehicles without an expanding clip: remove nuts
 ⇒ [Item 2 \(page 256\)](#) and bolts
 ⇒ [Item 3 \(page 256\)](#) .
 - Vehicles with an expanding clip
 ⇒ [page 256](#)
 - Remove wheel housing liner downward.
 - Installation: in reverse order.

2 - Nut

- 2 Nm

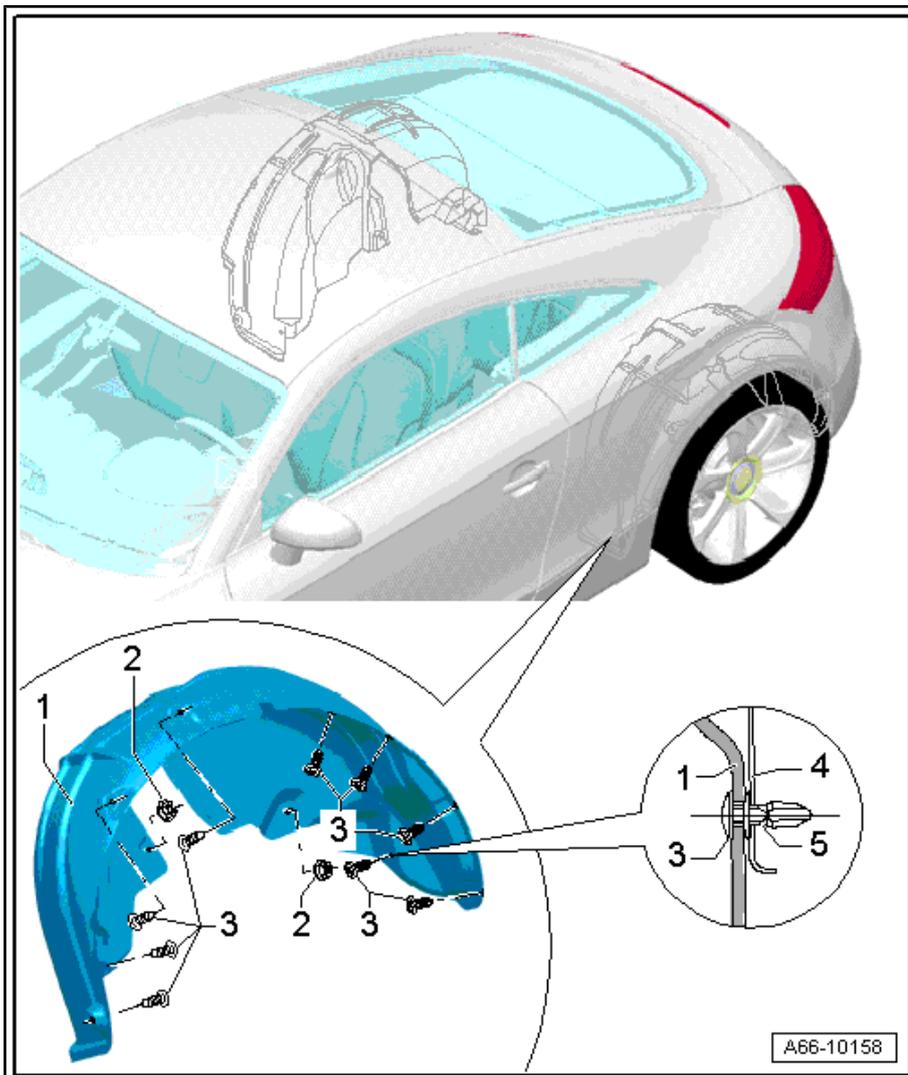
3 - Screws

- 1.5 Nm

4 - Side panel

5 - Expanding nut

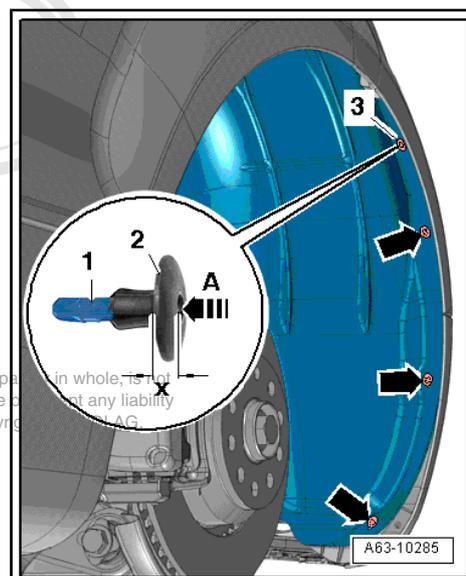
- Pressed into side panel.



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Rear Wheel Housing Liner with Expanding Clip

- Remove the screws -arrows- from the wheel housing liner and remove expanding clip -3-.
- To remove the expanding clip, press in clamping pin -1- carefully by dimension -x- until it audibly engages in the expanding clip -arrow A-.
- Dimension -x- = 5 mm
- Pull out unlocked expanding clip -2- with the clamping pin.



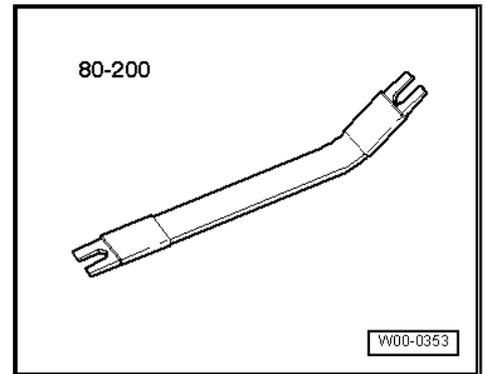
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4 Special Tools

Special tools and workshop equipment required

- ◆ Roller -T10314-
- ◆ Hot air gun -V.A.G 1416-
- ◆ Instant adhesive -AMV 195 KD 101-
- ◆ Locking compound -D 000 006-
- ◆ Cleaning solution -D 009 401 04-
- ◆ 2K-plastic-adhesive -D 180 KU2 A1-
- ◆ 3 hex socket screws M6 x 5.5 mm
- ◆ Pry lever -80-200-



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Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Audi retailer or other qualified shop. We especially urge you to consult an authorized Audi retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Audi.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Audi is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Audi retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.

Cautions & Warnings

- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.
- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly, do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Audi specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.

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Cautions & Warnings

- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Audi Service technicians should test, disassemble or service the airbag system.
- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time. Protected by copyright. Copying for private or commercial purposes, in part or in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability with respect to the correctness of information in this document. Copyright by AUDI AG.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Audi Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.