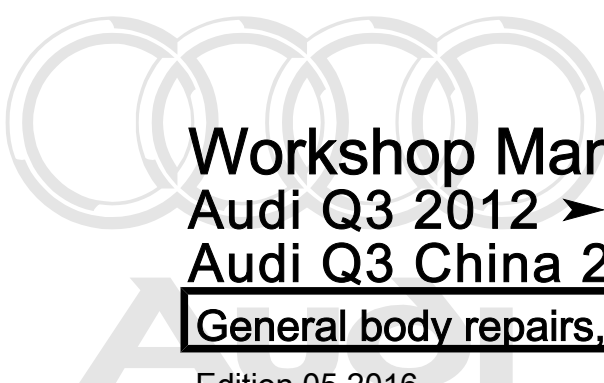




Workshop Manual

Audi Q3 2012 ➤

Audi Q3 China 2013 ➤

General body repairs, exterior

Edition 05.2016

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List of Workshop Manual Repair Groups

Repair Group

00 - Technical data

50 - Body - front

55 - Bonnet, rear lid

57 - Front doors, door components, central locking

58 - Rear doors, door components

60 - Sunroof

63 - Bumpers

64 - Glazing

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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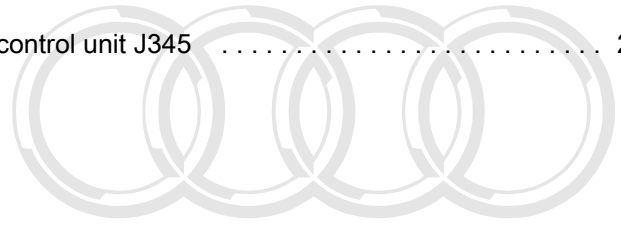


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00 – Technical data

1 Notes on repairs

(ARL004568; Edition 05.2016)

⇒ [“1.1 Routing and attaching pipes/hoses and wiring”, page 1](#) ⇒ [page 1](#)

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

⇒ [“1.3 Bonding surfaces for adhesive strips”, page 1](#)
⇒ [page 1](#)

⇒ [“1.4 Self-locking bolts”, page 2](#)

1.1 Routing and attaching pipes/hoses and wiring

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Make sketches or take photographs when unfastening or removing and installing hydraulic and pneumatic lines or electrical wires. This ensures that you can re-install them at the original location.

1.2 Contact corrosion

Contact corrosion can occur if unsuitable fasteners (bolts, nuts, washers etc.) are used on the vehicle.

For this reason, only fasteners with a special surface coating are fitted.

In addition, all rubber or plastic parts and all adhesives are made of non-conductive materials.

Should you have any doubts whether certain parts can be re-used, use new parts (refer to Electronic parts catalogue).

Please note:

- ◆ We recommend using genuine replacement parts only, as these have been checked and are compatible with aluminium.
- ◆ We recommend using Audi Genuine Accessories.
- ◆ Damage caused by contact corrosion is not covered by the warranty.

1.3 Bonding surfaces for adhesive strips

- ◆ The vehicle must be at room temperature before fitting e.g. self-adhesive covers or door seals with adhesive strips etc.
- ◆ Bonding surfaces on the body must be free of dust and grease.
- ◆ Clean bonding surfaces with cleaning solution - D 009 401 04- .
- ◆ Apply primer - D 355 205 A2- to bonding surfaces on body using applicator - D 009 500 25- and allow to flash off.
- ◆ Heat bonding surfaces with a hot air blower to approx. 40°C.
- ◆ After installation, press covers attached with adhesive strips on again using a roller.
- ◆ Subsequently, check that components are attached securely by pulling them with your hand.



1.4 Self-locking bolts

If bolts secured with microencapsulation have been removed, they must be renewed, and the threaded holes must be cleaned with a suitable tap.



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50 – Body - front

1 Lock carrier

⇒ [“1.1 Exploded view - lock carrier”, page 3](#)

⇒ [“1.2 Removing and installing lock carrier”, page 4](#)

1.1 Exploded view - lock carrier

1 - Lock carrier

- ☐ Removing and installing
⇒ [page 4](#)

2 - Bolt

- ☐ 4.5 Nm

3 - Bolt

- ☐ 4.5 Nm

4 - Mounting (bottom)

- ☐ For bumper cover (front) and retainer for headlight housing
- ☐ Removing and installing
⇒ [page 8](#)

5 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

6 - Cowl

- ☐ Removing and installing
⇒ [page 10](#)

7 - Bolt

- ☐ 2x
- ☐ 8 Nm

8 - Mounting (top)

- ☐ For lock carrier and headlight housing
- ☐ Removing and installing
⇒ [page 8](#)

9 - Bolt

- ☐ 10 Nm

10 - Fastener

11 - Bolt

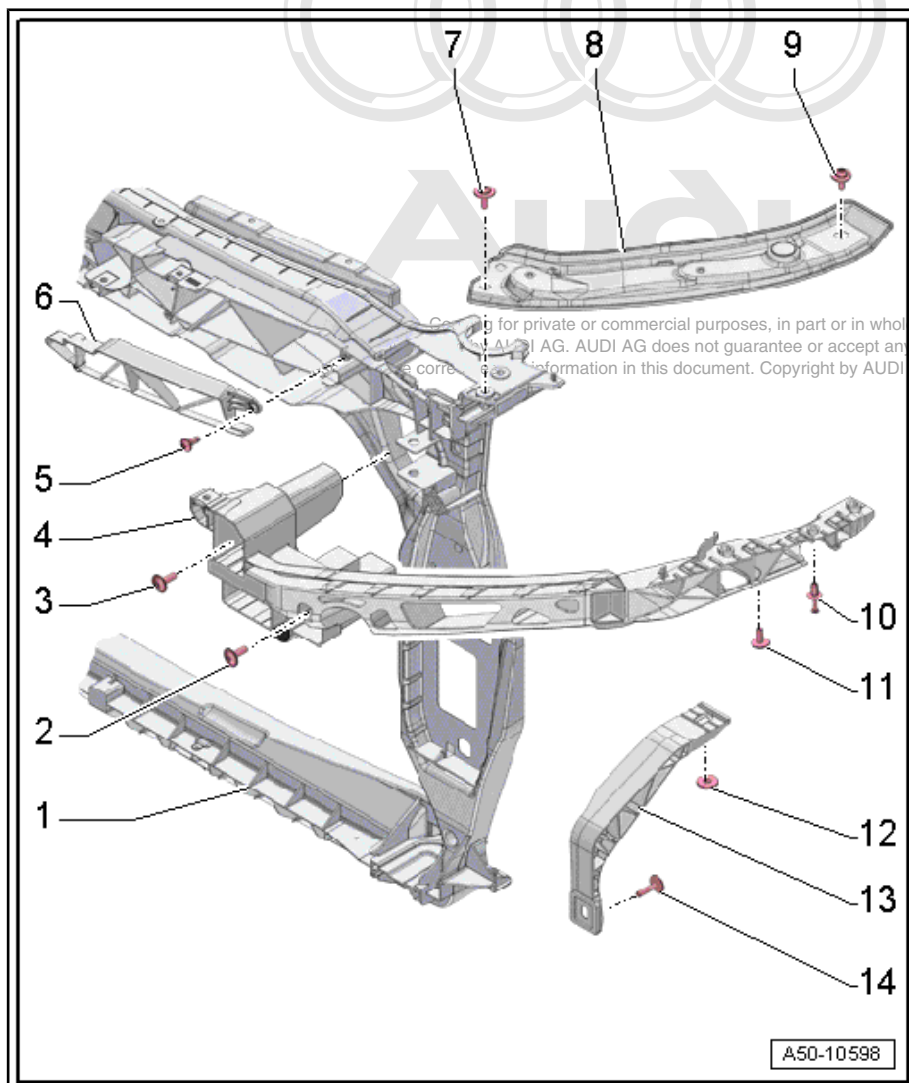
- ☐ 2x
- ☐ 4.5 Nm

12 - Nut

- ☐ 5 Nm

13 - Brace

- ☐ For lock carrier
- ☐ Removing and installing ⇒ [page 9](#)



14 - Bolt

- 5 Nm

1.2 Removing and installing lock carrier

⇒ ["1.2.1 Removing and installing lock carrier", page 4](#)

⇒ ["1.2.2 Removing and installing mounting \(top\) for lock carrier and headlight housing", page 8](#)

⇒ ["1.2.3 Removing and installing bumper cover mounting \(bottom\)", page 8](#)

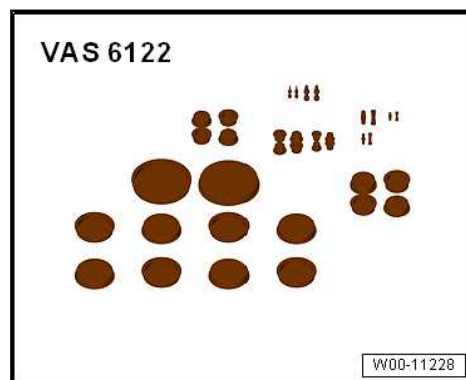
⇒ ["1.2.4 Removing and installing lock carrier brace", page 9](#)

⇒ ["1.2.5 Removing and installing air cowl", page 10](#)

1.2.1 Removing and installing lock carrier

Special tools and workshop equipment required

- ◆ Engine bung set - VAS 6122-



- ◆ Drip tray for workshop hoist - VAS 6208-



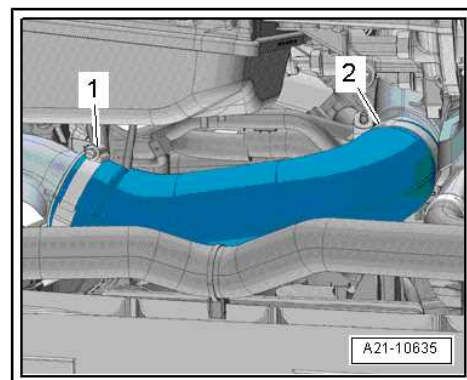
- ◆ Hose clip pliers - VAS 6362-



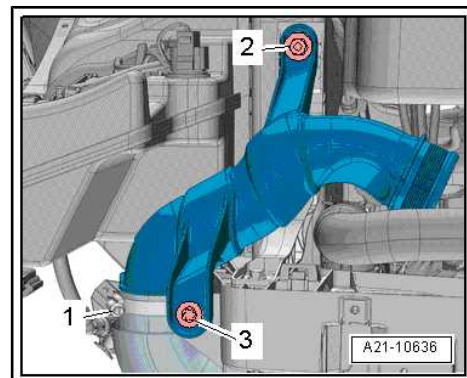
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Removing

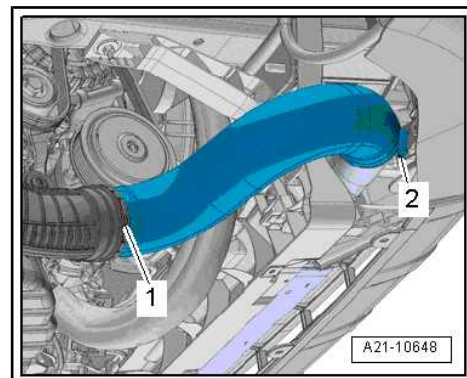
- Discharge refrigerant circuit ⇒ Air conditioner with refrigerant R134a .
- Detach refrigerant lines from condenser ⇒ Heating, air conditioning; Rep. gr. 87 ; Refrigerant circuit; Detaching and attaching refrigerant lines at condenser .
- Remove noise insulation ⇒ [page 258](#) .
- Remove impact bar and screw one bolt in again ⇒ [page 154](#) .
- Unfasten hose clips -1 and 2- and remove air hose.
- Seal open lines and connections with clean plugs from engine bung set - VAS 6122- .



- Left-side: Unscrew nut -2- and bolt -3-.
- Unfasten hose clip -1- and detach air pipe.
- Seal open lines and connections with clean plugs from engine bung set - VAS 6122- .
- Right-side: Unscrew nut on lock carrier brace.



- Lift retaining clip -1- and detach air hose.
- Seal open lines and connections with clean plugs from engine bung set - VAS 6122- .
- Place drip tray for workshop hoist - VAS 6208- beneath engine.



- Lift retaining clip -arrow-, disconnect coolant hose (bottom left) from radiator and drain coolant.



Note

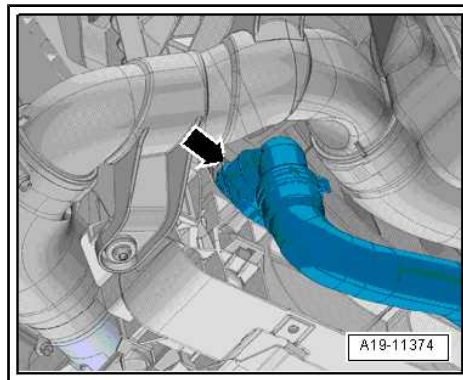
Catch the drained coolant in a clean container (for disposal or re-use).



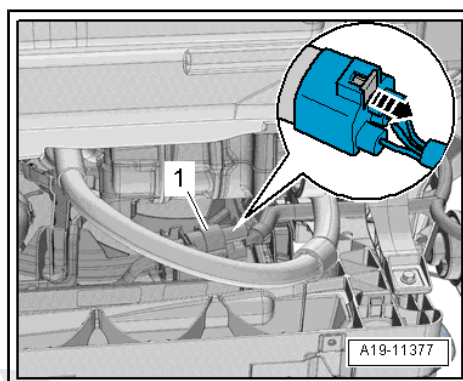
WARNING

Risk of injury as radiator fans may start up automatically.

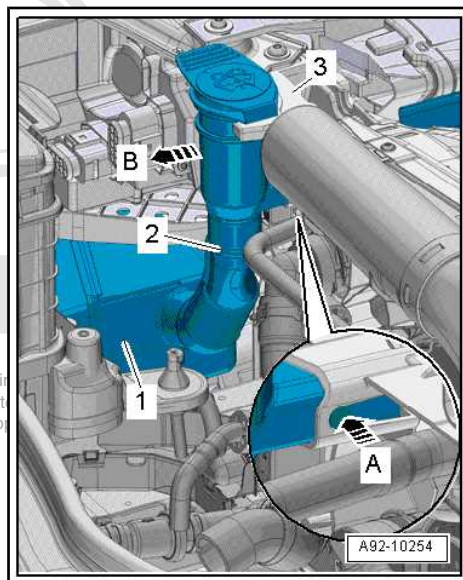
- ◆ *Unplug connectors before starting repairs in the vicinity of the radiator cowl.*



- Unplug electrical connector -1- for radiator fan; to do so, move locking element towards rear -arrow- and press release mechanism down.
- Remove air cleaner housing ⇒ Rep. gr. 23 ; Air cleaner; Removing and installing air cleaner housing or ⇒ Rep. gr. 24 ; Air cleaner; Removing and installing air cleaner housing .



- Press release tab -arrow A- and pull filler neck out of retainer -3- -arrow B-.



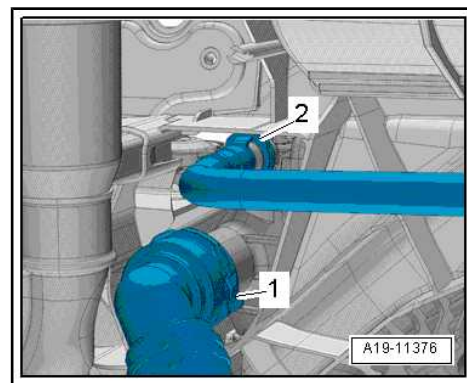
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- Lift retaining clips -1 and 2- and disconnect coolant hoses (top left) from radiator.
- Unplug electrical connectors at bonnet locks (left and right) and move clear.
- Detach bonnet lock cable at coupling unit and move clear at lock carrier ➤ [page 22](#) .

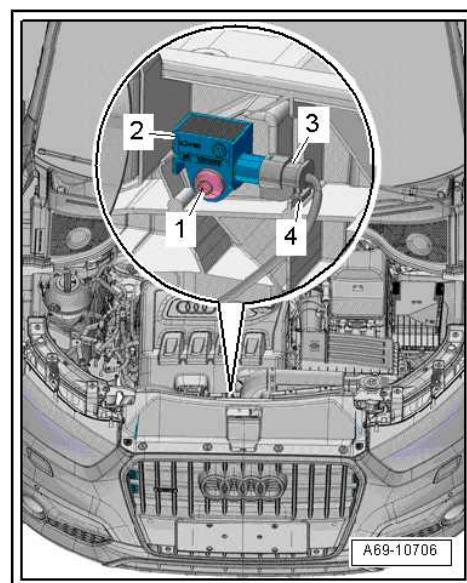


WARNING

Before working on pyrotechnic components (e.g. unplugging the electrical connector) the mechanic must discharge static electricity by briefly touching the door striker plate, or similar ➤ General body repairs, interior; Rep. gr. 00; Safety precautions; Safety precautions when working on pyrotechnic components.



- Pull out connector locking element -4-, press locking element down and unplug electrical connector -3- at crash sensor -2-.
- Move clear electrical wiring harness for crash sensor and horns.



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- Pull out spreader pin -5- and detach clip.
- Unscrew bolts -3, 4- and -arrows-.
- Have a second mechanic hold lock carrier -2- in position and unscrew bolt -1-.
- Detach lock carrier with the help of a second mechanic.

To renew lock carrier, condenser, charge air cooler, radiator cowl and radiator must be removed.

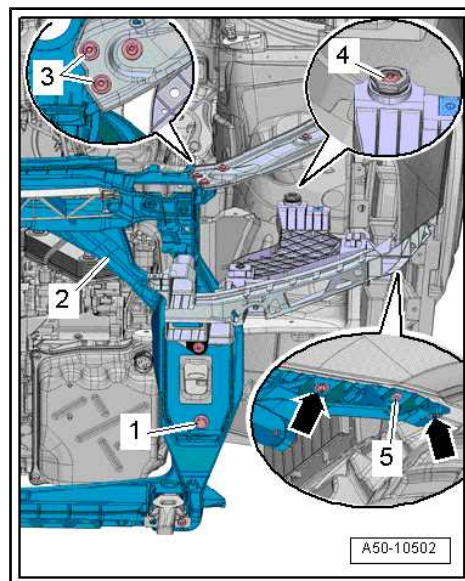
- ♦ Remove condenser ⇒ Heating, air conditioning; Rep. gr. 87 ; Refrigerant circuit; Removing and installing condenser .
- ♦ Remove charge air cooler ⇒ Rep. gr. 21 ; Charge air system; Exploded view - charge air system .
- ♦ Remove radiator cowl and radiator ⇒ Rep. gr. 19 ; Radiator/ radiator fans; Exploded view - radiator/radiator fans .

Installing

- Tightening torque
⇒ ["1.1 Exploded view - lock carrier", page 3](#)

Install in reverse order of removal; note the following:

- Connect coolant hose with plug-in connector and fill with coolant ⇒ Rep. gr. 19 ; Cooling system/coolant; Draining and filling cooling system .
- Install air hose and air pipe ⇒ Rep. gr. 21 ; Charge air system; Exploded view - charge air system .
- Install impact bar ⇒ [page 154](#) .
- Connect refrigerant lines at condenser ⇒ Heating, air conditioning; Rep. gr. 87 ; Refrigerant circuit; Detaching and attaching refrigerant lines at condenser .



1.2.2 Removing and installing mounting (top) for lock carrier and headlight housing

Removing

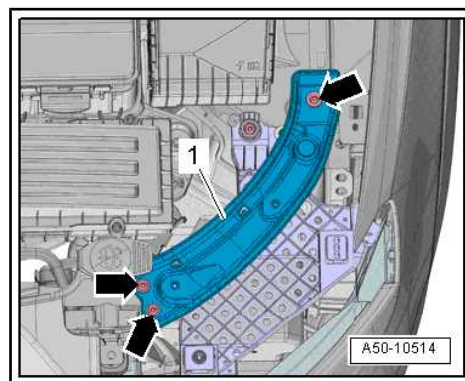
- Remove headlight housing ⇒ Electrical system; Rep. gr. 94 ; Headlights; Removing and installing headlights .
- Remove bolts -arrows-.
- Detach mounting (top) -1-.

Installing

- Tightening torque
⇒ ["1.1 Exploded view - lock carrier", page 3](#)

Install in reverse order of removal; note the following:

- Install headlight housing ⇒ Electrical system; Rep. gr. 94 ; Headlights; Removing and installing headlights .

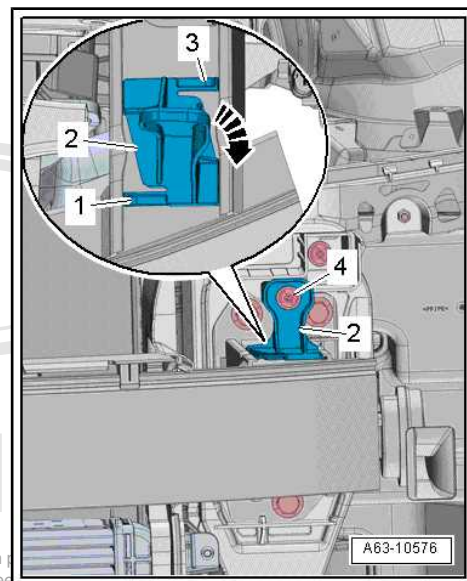


1.2.3 Removing and installing bumper cover mounting (bottom)

Removing

- Remove bumper cover (front) ⇒ [page 152](#) .
- Remove headlight housing ⇒ Electrical system; Rep. gr. 94 ; Headlights; Removing and installing headlights .

- Remove bolt -4-.
- Carefully release securing tabs -1 and 3- upwards and at the same time turn retainer -2- clockwise -arrow-.
- Detach retainer from impact bar.



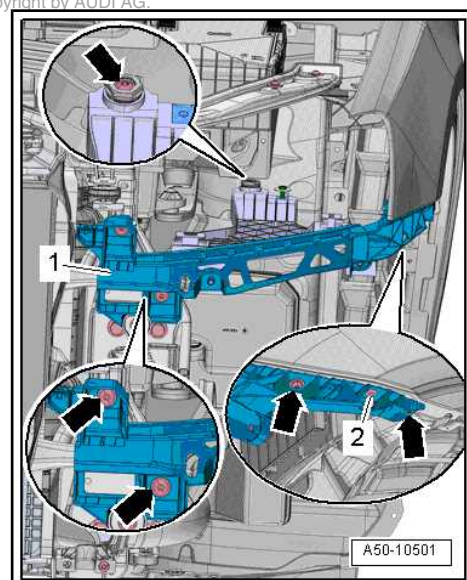
- Pull out spreader pin -2- and detach clip.
- Remove bolts -arrows-.
- Take out mounting -1- towards front.
- If renewing bumper cover mounting (bottom), remove mounting (bottom) for headlight housing ⇒ Electrical system; Rep. gr. 94 ; Headlights; Exploded view - headlight .

Installing

- Tightening torque
⇒ ["1.1 Exploded view - lock carrier", page 3](#)

Install in reverse order of removal; note the following:

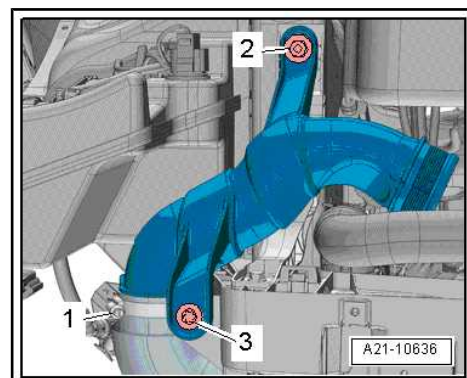
- Install retainer for bumper cover mounting (bottom).
- Install headlight housing ⇒ Electrical system; Rep. gr. 94 ; Headlights; Removing and installing headlights .
- Install bumper cover (front) ⇒ [page 152](#) .



1.2.4 Removing and installing lock carrier brace

Removing

- Remove noise insulation ⇒ [page 258](#) .
- Remove wheel spoiler (front) ⇒ [page 275](#) .
- Left-side: Unscrew nut -2- and bolt -3-.
- Detach air pipe from threaded pin.



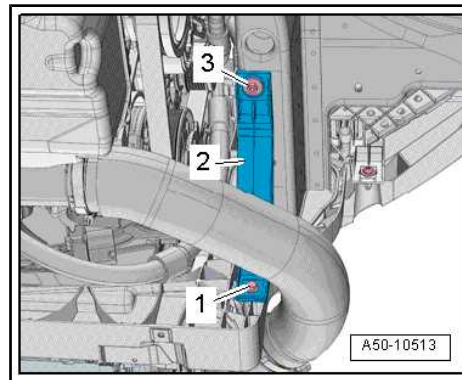
- Right-side: Unscrew nut -3-.
- Unscrew bolt -1- and detach brace -2-.

Installing

- Tightening torque
⇒ ["1.1 Exploded view - lock carrier", page 3](#)

Install in reverse order of removal; note the following:

- Left-side: Install air pipe ⇒ Rep. gr. 21 ; Charge air system;
Exploded view - charge air system .
- Install wheel spoiler (front) ⇒ [page 275](#) .
- Install noise insulation ⇒ [page 258](#) .



1.2.5 Removing and installing air cowl

Removing

- Remove lock carrier cover ⇒ [page 156](#) .
- Remove bolts -arrows-.
- Pull air cowl -1- off lock carrier.

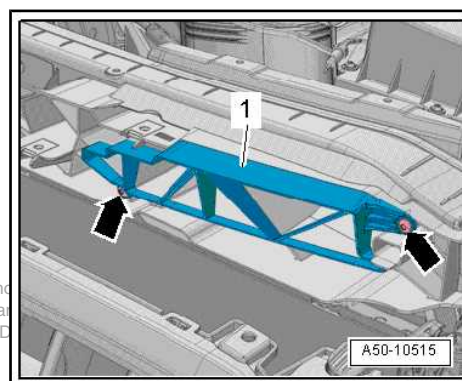
Installing

- Tightening torque
⇒ ["1.1 Exploded view - lock carrier", page 3](#)

Install in reverse order of removal; note the following:

- Install lock carrier cover ⇒ [page 156](#)

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2 Wing

⇒ [“2.1 Exploded view - wing”, page 11](#)

⇒ [“2.2 Removing and installing wing”, page 12](#)

2.1 Exploded view - wing

1 - Bolt

- ☐ 2x

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- ☐ 8 Nm

2 - Bracket (bottom)

- ☐ For wing
- ☐ Removing and installing
⇒ [page 12](#)

3 - Bolt

- ☐ 2x
- ☐ 8 Nm

4 - Sealing piece

- ☐ On inside of wing

5 - Bolt

- ☐ 3x
- ☐ 8 Nm

6 - Bolt

- ☐ 6.4 Nm

7 - Bolt

- ☐ 8 Nm

8 - Bolt

- ☐ 8 Nm

9 - Wing

- ☐ Removing and installing
⇒ [page 12](#)

10 - Bolt

- ☐ 2x
- ☐ 8 Nm

11 - Bolt

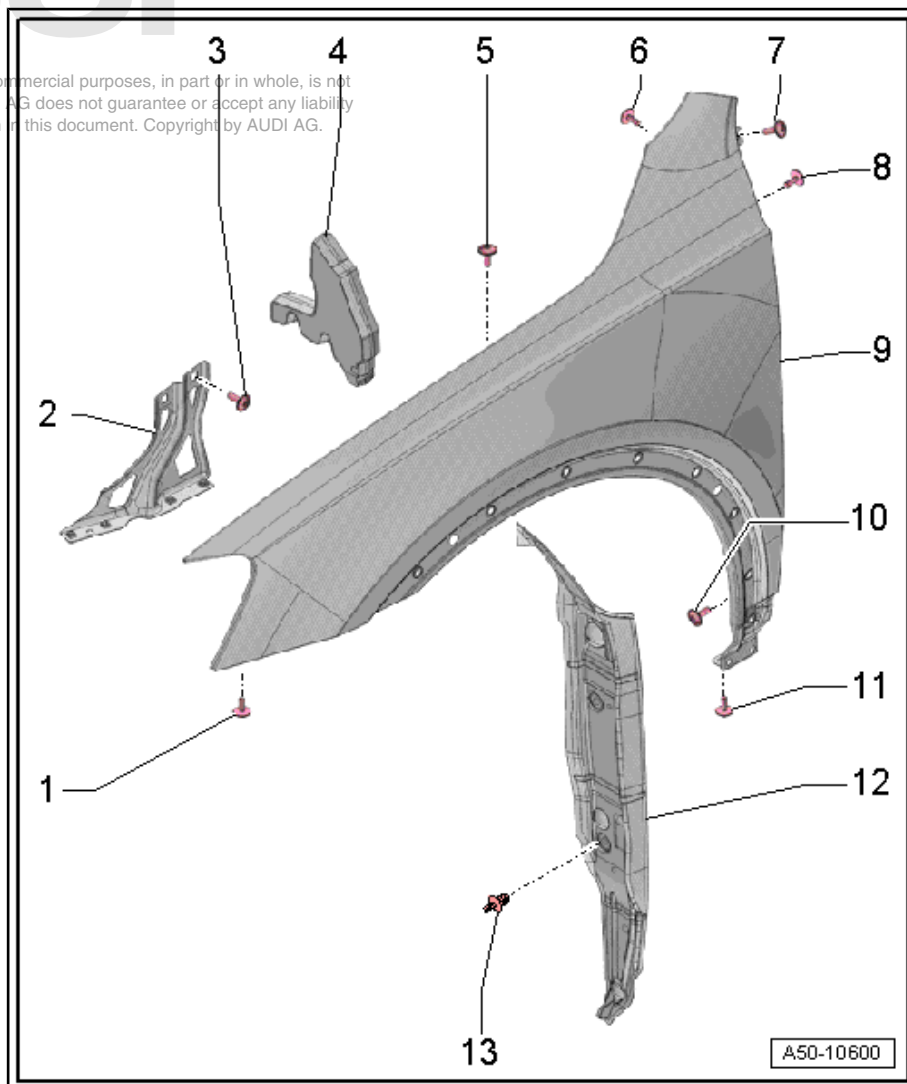
- ☐ 2x
- ☐ 8 Nm

12 - Closure plate

- ☐ Removing and installing ⇒ [page 14](#)

13 - Spreader rivet

- ☐ 2x



2.2 Removing and installing wing

⇒ "2.2.1 Removing and installing wing", page 12

⇒ "2.2.2 Removing and installing sealing element", page 13

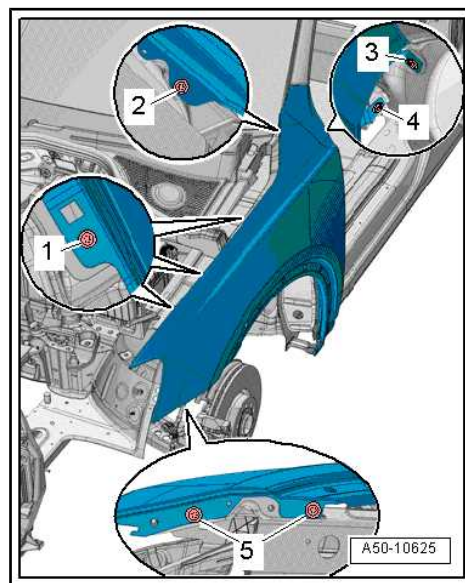
⇒ "2.2.3 Removing and installing closure plate", page 14

2.2.1 Removing and installing wing

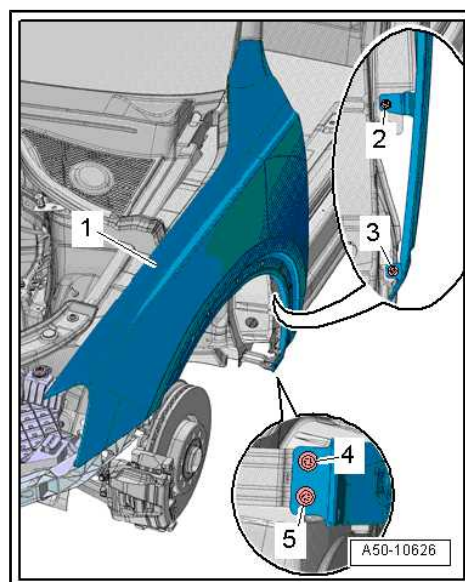
Removing

- Remove water deflector strip and drill rivet head off fastening strip at wing ⇒ [page 242](#) .
- Remove closure plate ⇒ [page 14](#) .
- Remove bumper cover mounting (bottom) ⇒ [page 8](#) .
- Remove bolts -1 ... 5-.

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- Remove bolts -2 ... 5-.
- Detach wing panel -1-.



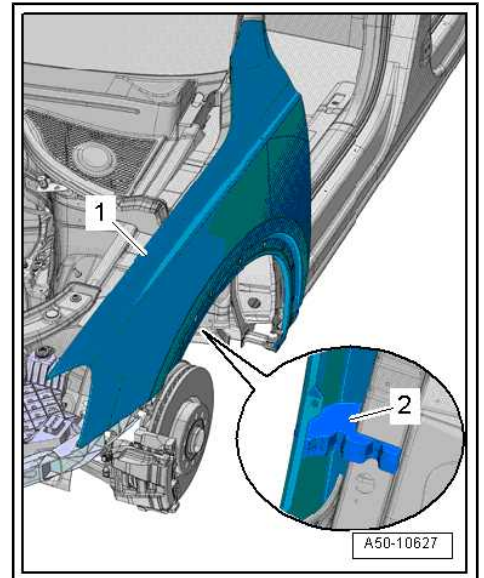
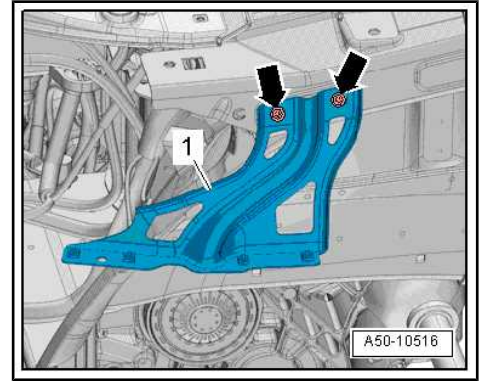
- Unscrew bolts -arrows- and detach bracket (bottom) -1-.

Installing

- Tightening torque ⇒ [“2.1 Exploded view - wing”, page 11](#)

Install in reverse order of removal; note the following:

- Insert sealing piece -2- in wing panel -1- close to centre securing bolt as shown in illustration.
- Install bumper cover mounting (front) ⇒ [page 8](#) .
- Install closure plate ⇒ [page 14](#) .

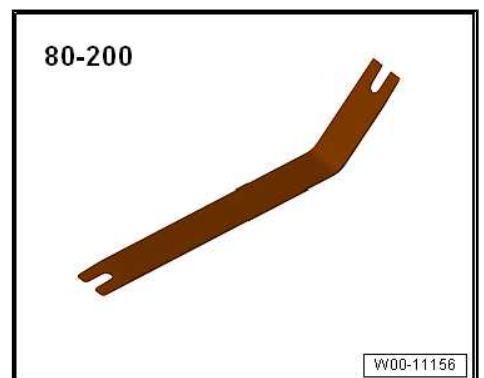


2.2.2 Removing and installing sealing element

Special tools and workshop equipment required

- ◆ Removal lever - 80 - 200-

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- ◆ Protective gloves

Removing

- Using removal lever - 80 - 200- , carefully press fasteners -2- of foam wedge -1- off body.
- Detach foam wedge towards front; foam wedge must be guided out of recess in wing -arrow-.

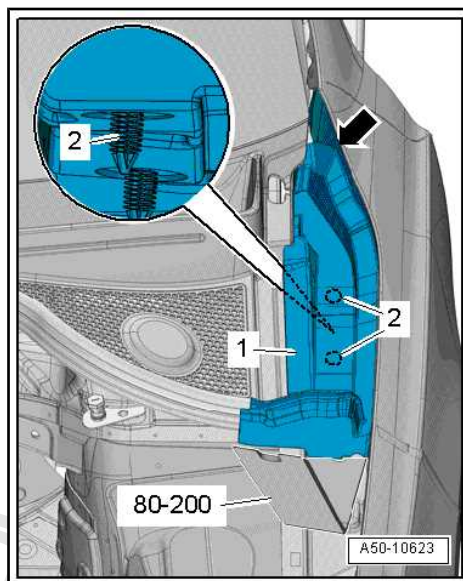
Installing

Install in reverse order of removal; note the following:



Note

Foam wedge must be renewed if fasteners are damaged.



2.2.3 Removing and installing closure plate

Removing

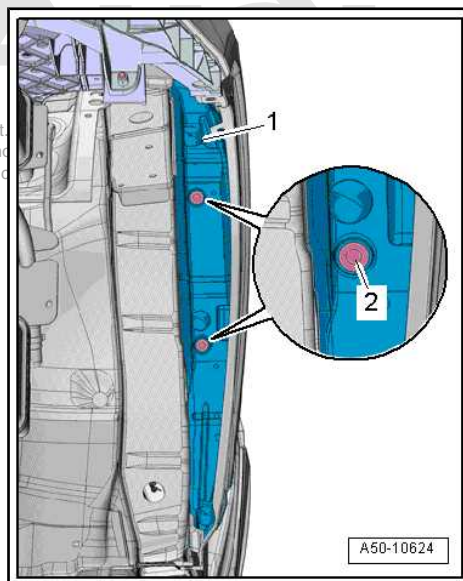
- Remove sealing element ➔ [page 13](#) .
- Remove wheel housing liner (front) ➔ [page 275](#) .
- Remove spreader rivets -2-.
- Take out closure plate -1- downwards.

Installing

- Tightening torque ➔ ["2.1 Exploded view - wing", page 11](#)

Install in reverse order of removal; note the following:

- Install wheel housing liner (front) ➔ [page 275](#) .
- Install sealing element ➔ [page 13](#) .



3 Bulkhead

⇒ [“3.1 Exploded view - plenum chamber partition panel”, page 15](#)

⇒ [“3.2 Exploded view - plenum chamber cover”, page 16](#)

⇒ [“3.3 Removing and installing plenum chamber cover”, page 16](#)

3.1 Exploded view - plenum chamber partition panel

1 - Seal for plenum chamber

- ☐ To remove, detach from body flange by pulling to front at sides.
- ☐ To install, position seal on foam section on one side -arrow- (with pre-tension) and slide onto body flange.
- ☐ On opposite side also position seal on foam section (with pre-tension) and slide onto body flange.
- ☐ Gradually press on seal as far as opposite side (compress seal along body flange to take up any excess length).

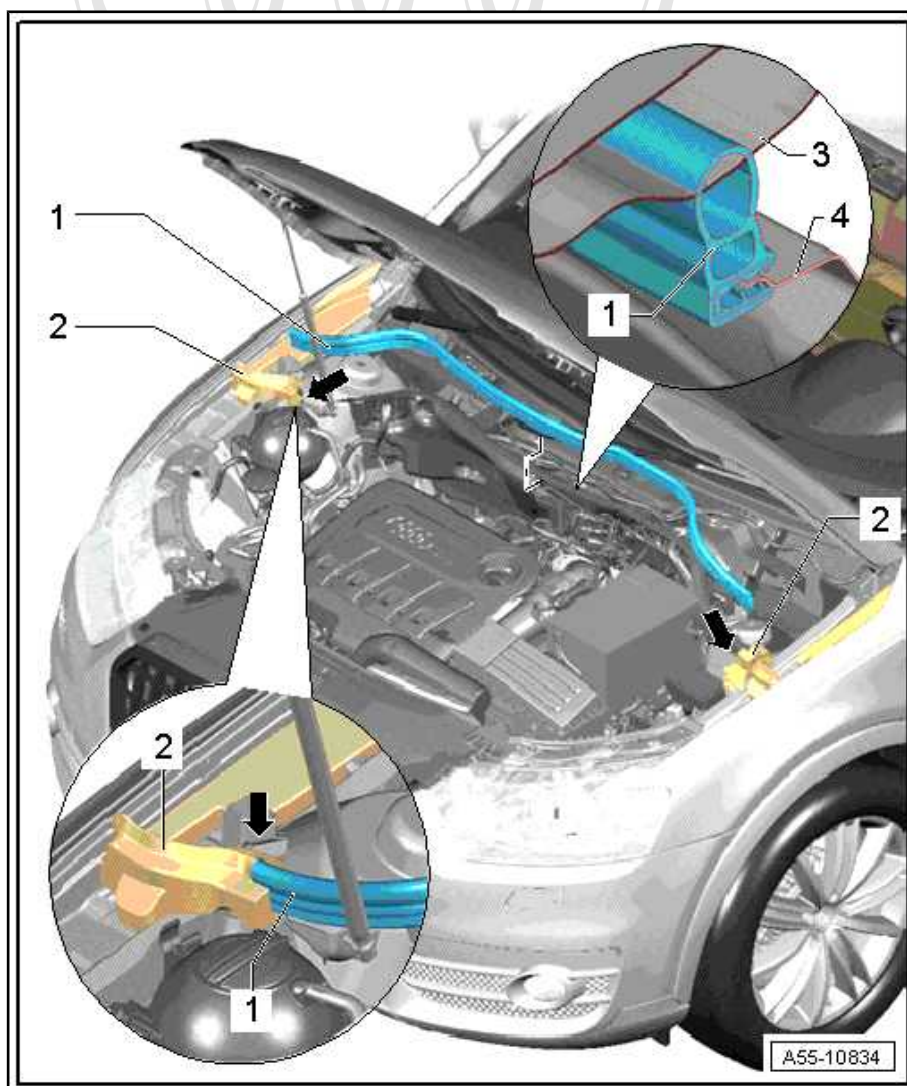
2 - Profiled seal (right-side)

- ☐ To remove, unclip from wing mounting flange and suspension turret.
- ☐ To install, press clips of foam section into in body.

3 - Bonnet

4 - Plenum chamber partition panel

- ☐ Push plenum chamber seal on at side.



3.2 Exploded view - plenum chamber cover

1 - Seal

- ☐ Renew if damaged

2 - Sealing element (right-side)

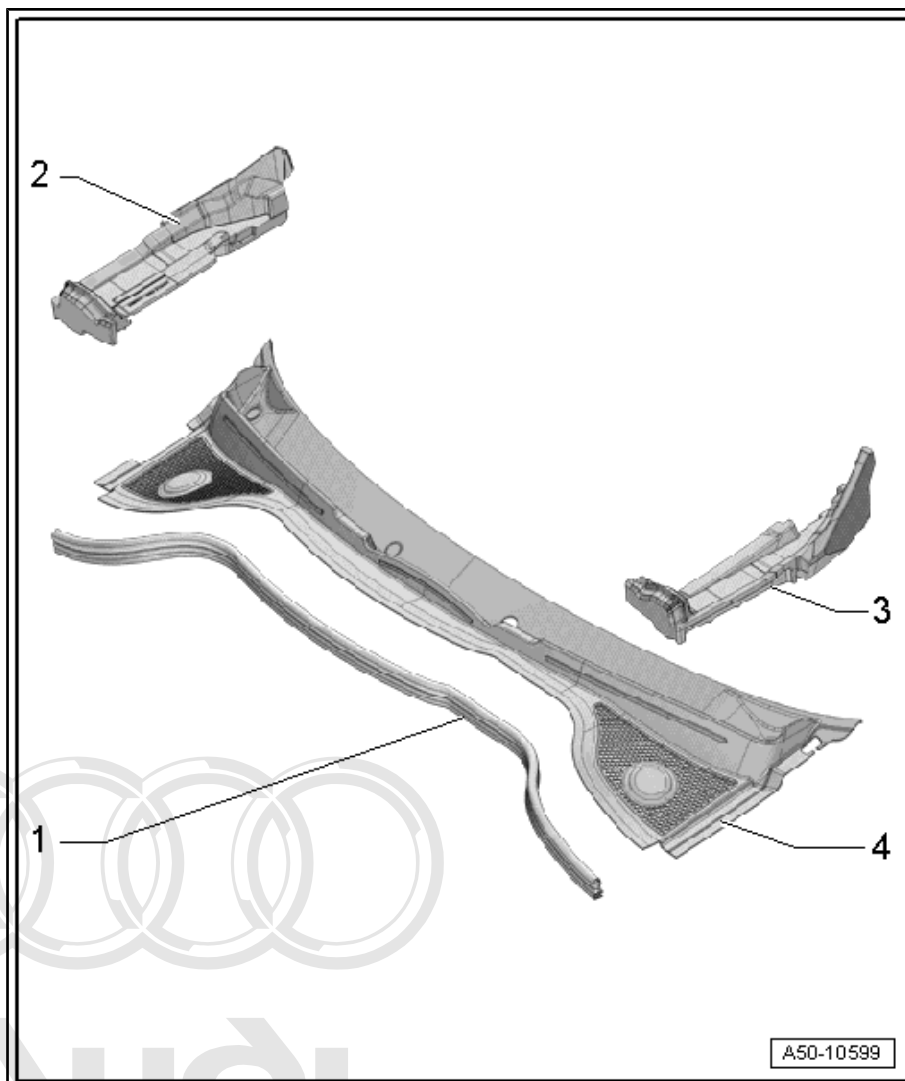
- ☐ Removing and installing
⇒ [page 13](#)

3 - Sealing element (left-side)

- ☐ Removing and installing
⇒ [page 13](#)

4 - Plenum chamber cover

- ☐ Removing and installing
⇒ [page 16](#)



3.3 Removing and installing plenum chamber cover

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Removing

- Remove wiper arms ⇒ Electrical system; Rep. gr. 92 ; Wind-screen wiper system; Removing and installing wiper arms .

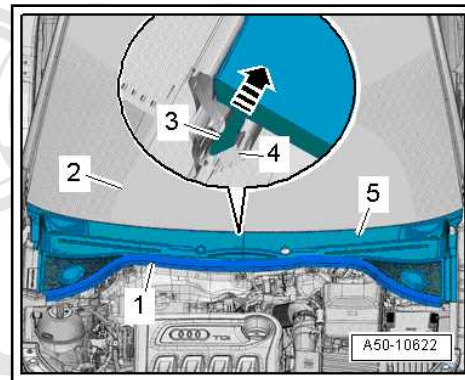
- Detach seal -1-.



Caution

Risk of damage to plenum chamber cover.

- ◆ *Coat transition between windscreen -2- and plenum chamber cover -5- with a small amount of soap solution and, starting at edge of windscreen, carefully pull plenum chamber cover vertically upwards out of retainer at windscreen.*



- Detach plenum chamber cover -5-; to do so, carefully pull retaining catch -3- of plenum chamber cover out of mounting -4- at windscreen in direction of -arrow-.

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Installing

Install in reverse order of removal; note the following:



Note

- ◆ *The cowl panel trim of the plenum chamber cover must be engaged completely in the windscreen frame.*
- ◆ *If the plenum chamber cover is damaged or not fitted correctly, water can run into the fresh-air intake duct, which can lead to odour from the heating/air conditioning system and/or moisture in the passenger compartment.*

55 – Bonnet, rear lid

1 Bonnet

- ⇒ [“1.1 Exploded view - bonnet”, page 18](#)
- ⇒ [“1.2 Exploded view - Bowden cable”, page 22](#)
- ⇒ [“1.3 Adjusting bonnet”, page 24](#)
- ⇒ [“1.4 Removing and installing hinges”, page 28](#)
- ⇒ [“1.5 Removing and installing striker”, page 29](#)
- ⇒ [“1.6 Removing and installing gas strut”, page 30](#)
- ⇒ [“1.7 Releasing gas from gas strut”, page 31](#)
- ⇒ [“1.8 Removing and installing insulation”, page 31](#)
- ⇒ [“1.9 Removing and installing Bowden cable”, page 32](#)
- ⇒ [“1.10 Removing and installing bonnet lock”, page 35](#)
- ⇒ [“1.11 Removing and installing operating lever for bonnet”, page 36](#)

1.1 Exploded view - bonnet

- ⇒ [“1.1.1 Exploded view - bonnet”, page 18](#)
- ⇒ [“1.1.2 Exploded view - gas strut”, page 20](#)
- ⇒ [“1.1.3 Exploded view - bonnet lock”, page 21](#)

1.1.1 Exploded view - bonnet



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1 - Bonnet

- When removing or installing the bonnet, a second mechanic is required to support and hold the bonnet.
- ☐ Removing:
 - Unclip and detach cover -4-.
 - Disengage gas strut at bonnet ⇒ [page 30](#).
 - Unscrew nuts -3- at bonnet hinge at top.
 - Detach bonnet.
- ☐ Installing: in reverse order of removal
- ☐ Adjusting:
 - Align bonnet between wings.
 - Adjust height of bonnet via bottom section of bonnet lock.
 - Adjust position of bonnet to wings via stop buffers.

2 - Bonnet hinge

- ☐ Removing and installing ⇒ [page 28](#)

3 - Nut

- ☐ 25 Nm

4 - Cover

5 - Nut

- ☐ 8 Nm

6 - Arrester

- ☐ Removing and installing ⇒ [page 29](#)

7 - Gas strut

- ☐ Removing and installing ⇒ [page 30](#).
- ☐ Cylinder end of gas strut is installed on body side.

8 - Ball stud

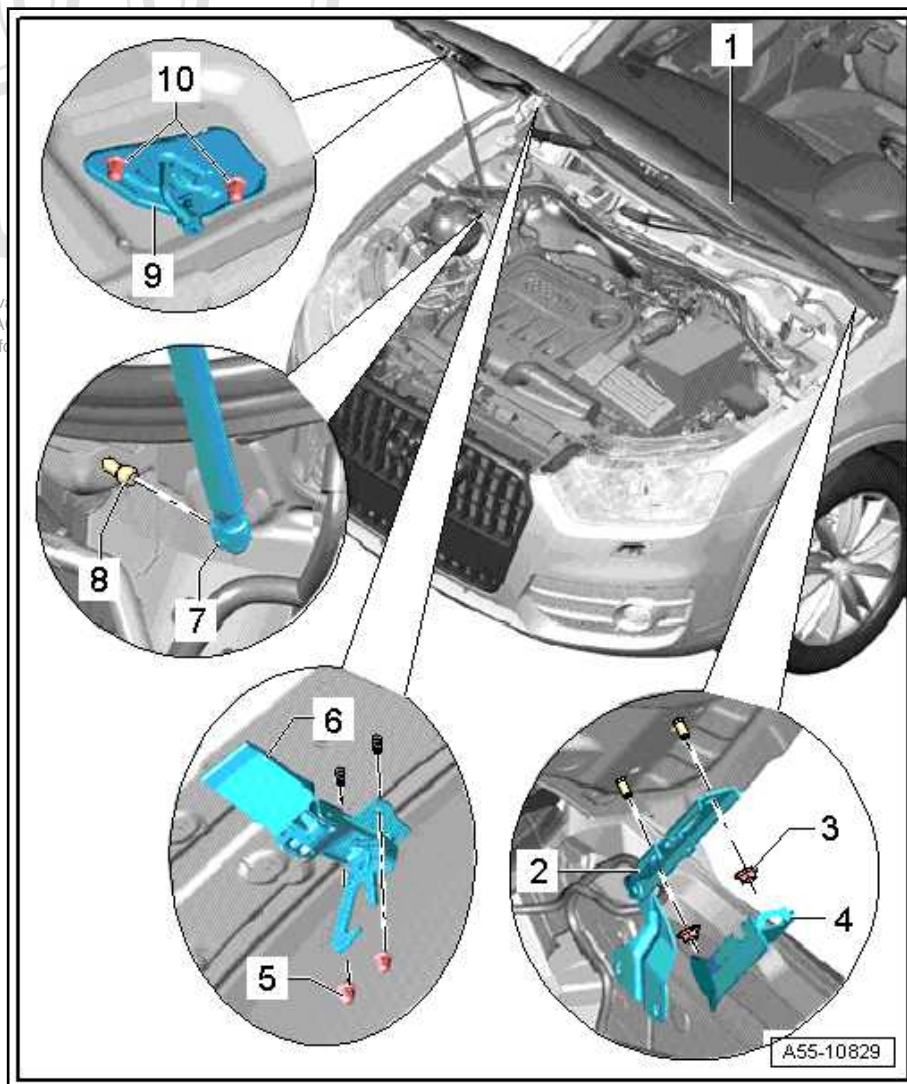
- ☐ 21 Nm

9 - Striker

- ☐ Removing and installing ⇒ [page 29](#)

10 - Nut

- ☐ 8 Nm



1.1.2 Exploded view - gas strut

1 - Bonnet

2 - Gas strut

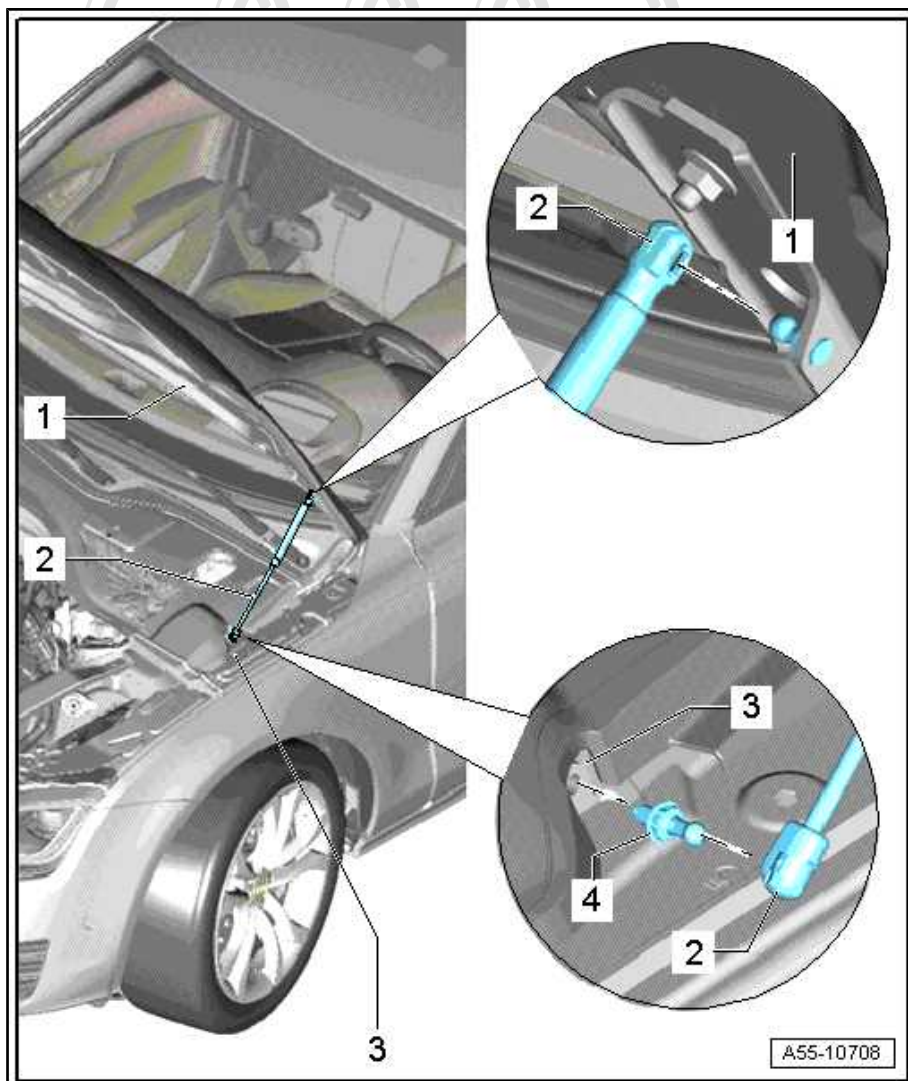
- ❑ Removing and installing
⇒ [page 30](#)

3 - Ball stud

- ❑ 21 Nm

4 - Ball stud

- ❑ 21 Nm



1.1.3 Exploded view - bonnet lock

1 - Bonnet lock

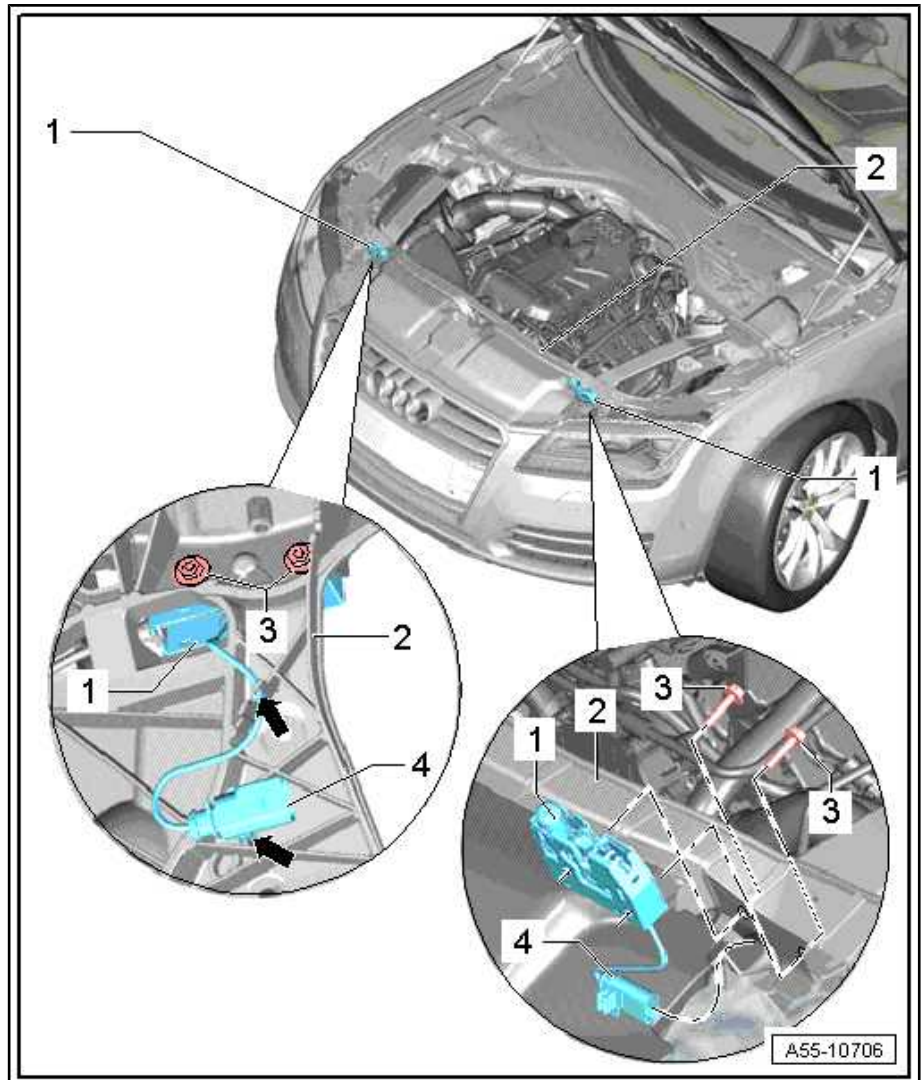
- Removing and installing
⇒ [page 35](#)

2 - Lock carrier

3 - Bolt

- 11 Nm

4 - Electrical wire for bonnet lock



1.2 Exploded view - Bowden cable

⇒ "1.2.1 Exploded view - Bowden cable for bonnet lock",
page 22

⇒ "1.2.2 Exploded view - cover, operating lever", page 23

1.2.1 Exploded view - Bowden cable for bonnet lock

1 - Bonnet lock (right-side)

- ❑ Removing and installing
⇒ page 35

2 - Bowden cable for bonnet lock

- ❑ Removing and installing
⇒ page 32

3 - Bonnet lock (left-side)

- ❑ Removing and installing
⇒ page 35

4 - Operating lever

- ❑ Disengaging Bowden cable
⇒ page 23

5 - Coupling unit for cable

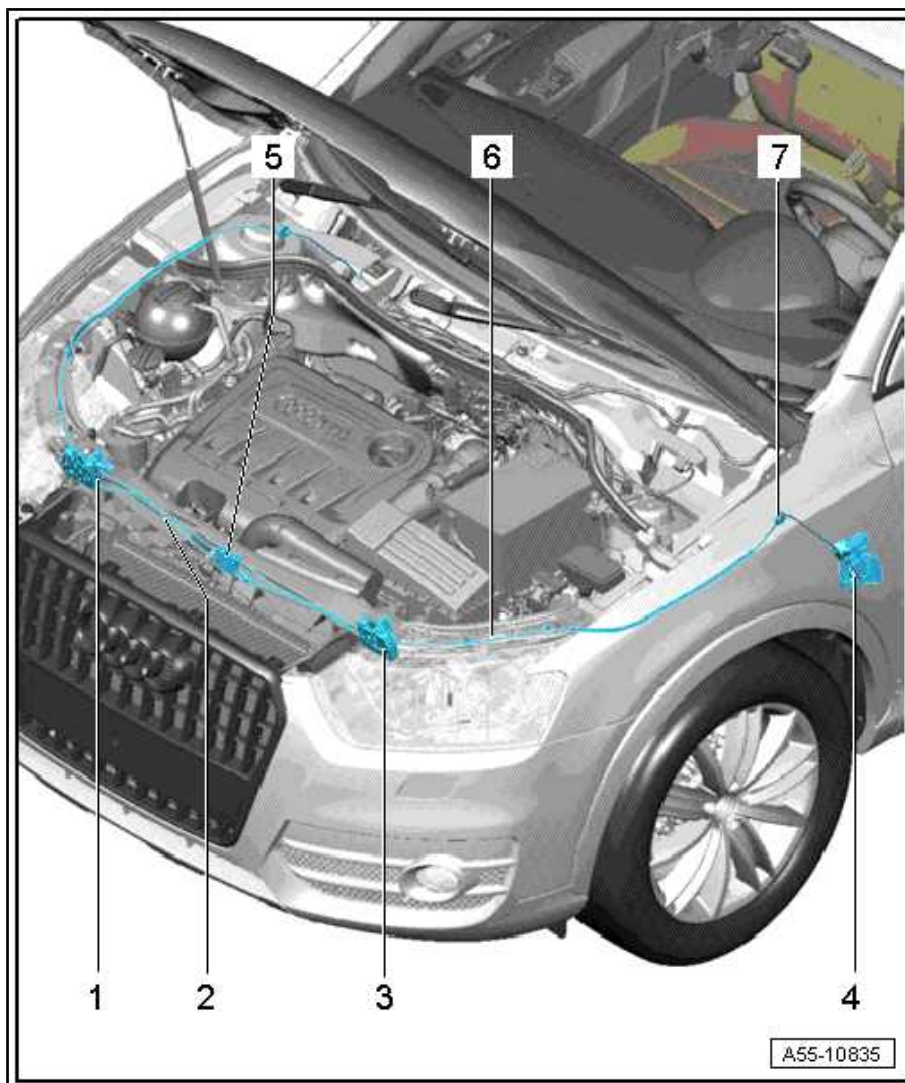
- Disengage Bowden cable to vehicle interior at this point before removing lock carrier and when removing operating lever.

6 - Bowden cable for operating lever

- ❑ Bowden cable to operating lever in vehicle interior

7 - Grommet

- ❑ When installing, make sure it is seated correctly; it must be pressed into partition panel completely.



1.2.2 Exploded view - cover, operating lever

Cover for operating lever

1 - Operating lever

- ❑ For bonnet lock
- ❑ Removing and installing
⇒ [page 23](#)

2 - Sill panel trim (front)

- ❑ Removing and installing
⇒ General body repairs,
interior; Rep. gr. 70 ;
Passenger compart-
ment trim panels; Re-
moving and installing sill
panel trim

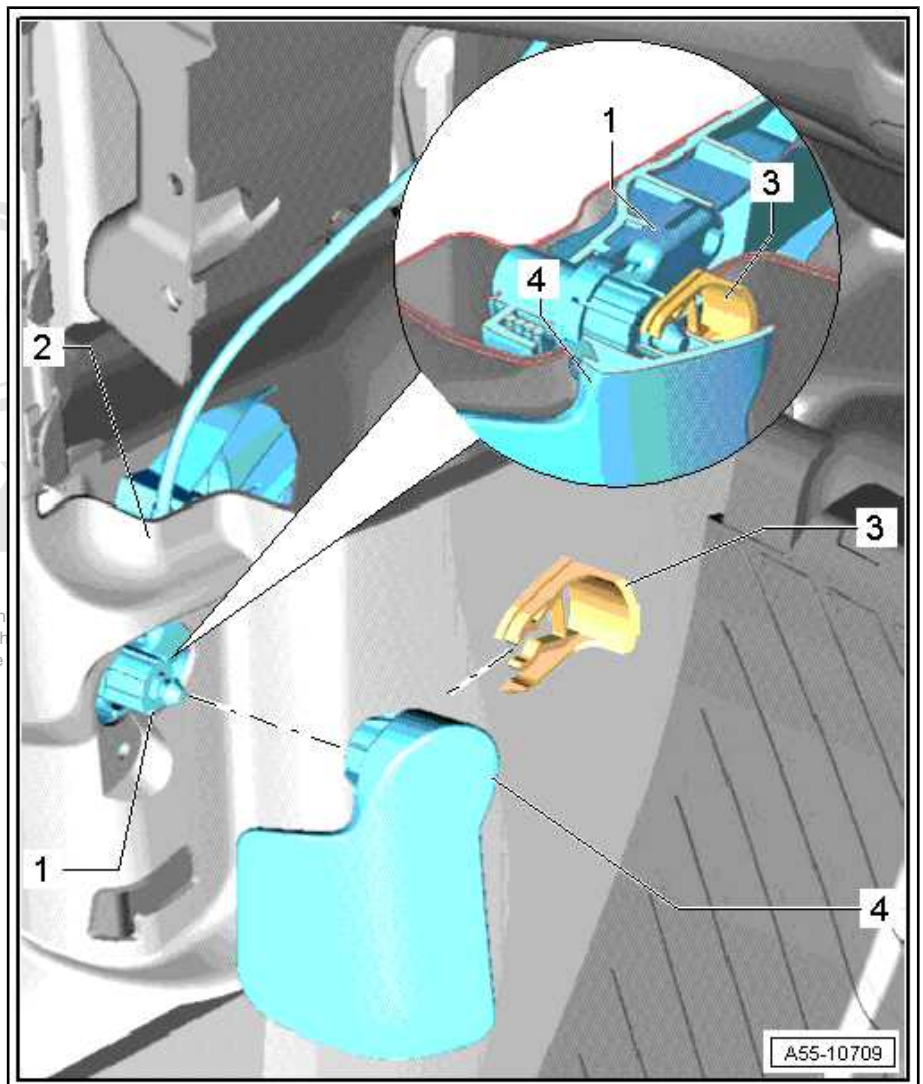
3 - Retaining clip

- ❑ Press in fully (must en-
gage).

4 - Cover for operating lever

- ❑ Removing and installing
⇒ [page 36](#)

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Operating lever

1 - Mounting bracket for operating lever

- ❑ Cover for operating lever removed
- ❑ Sill panel trim (front) removed ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing sill panel trim
- ❑ Unscrew bolts -3- and disengage cable -1-.

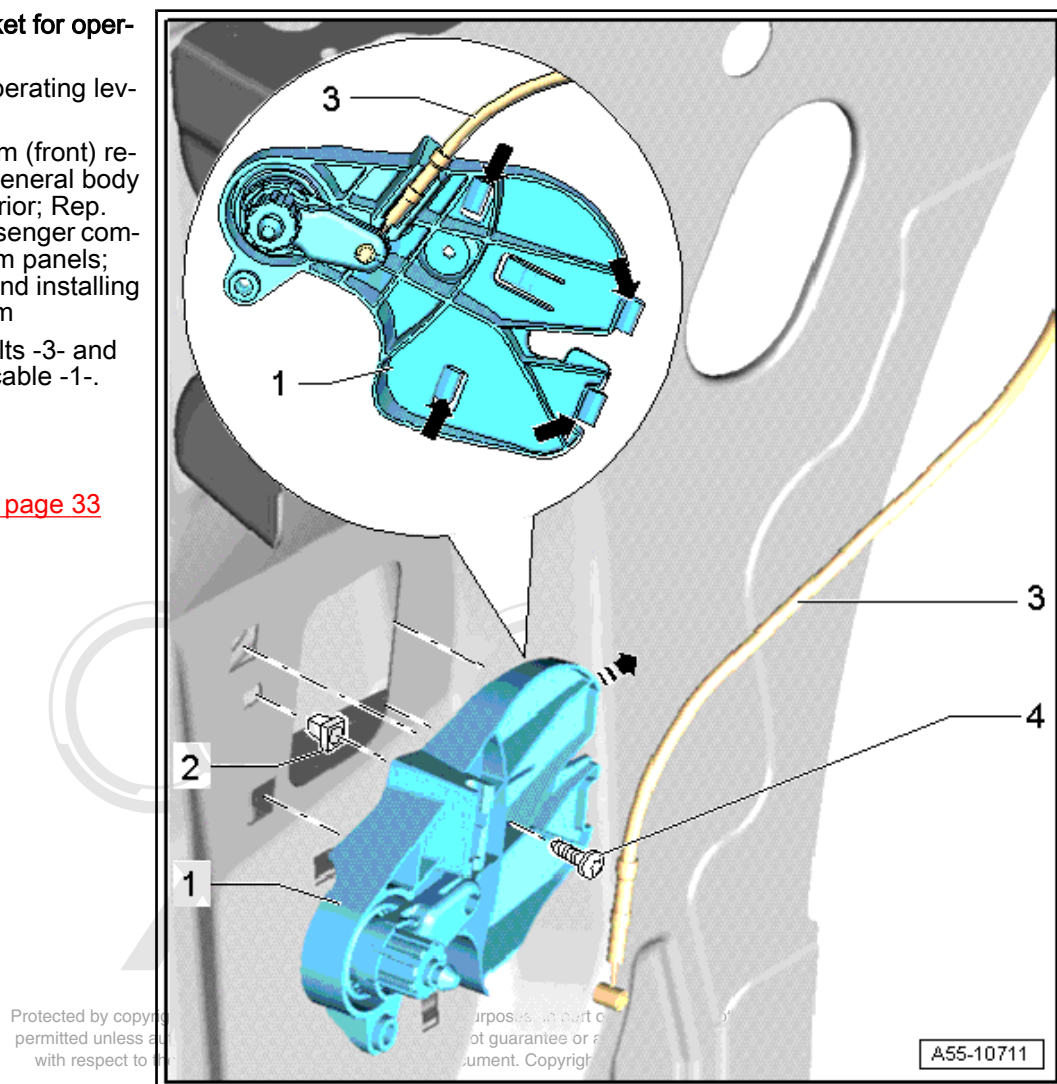
2 - Clip

3 - Bowden cable

- ❑ Engaging ⇒ [page 33](#)

4 - Bolts

- ❑ 2 Nm



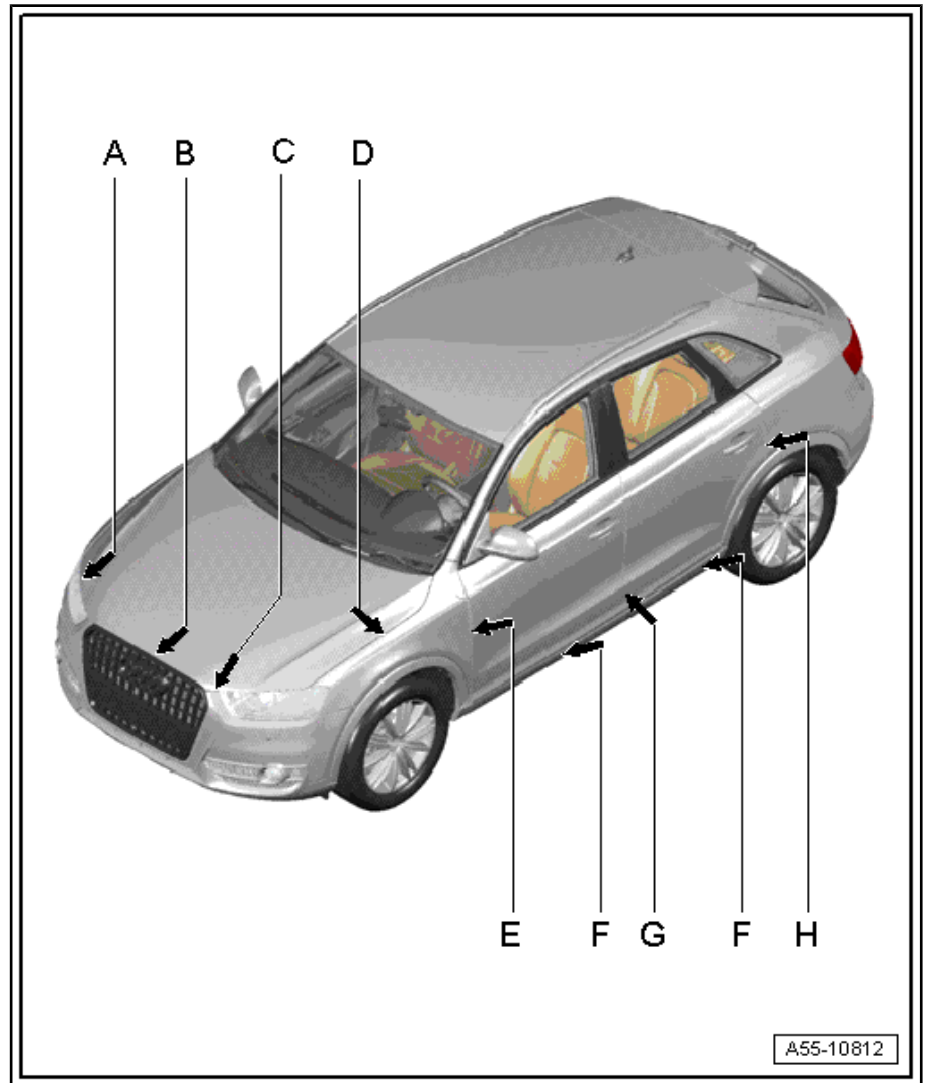
1.3 Adjusting bonnet

Special tools and workshop equipment required

- ◆ Setting gauge - 3371-



Gap widths at bonnet



Note

All dimensions are given in mm (tolerance ± 0.5 mm).

Stop buffers for height adjustment

Audi

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1 - Adjusting buffer

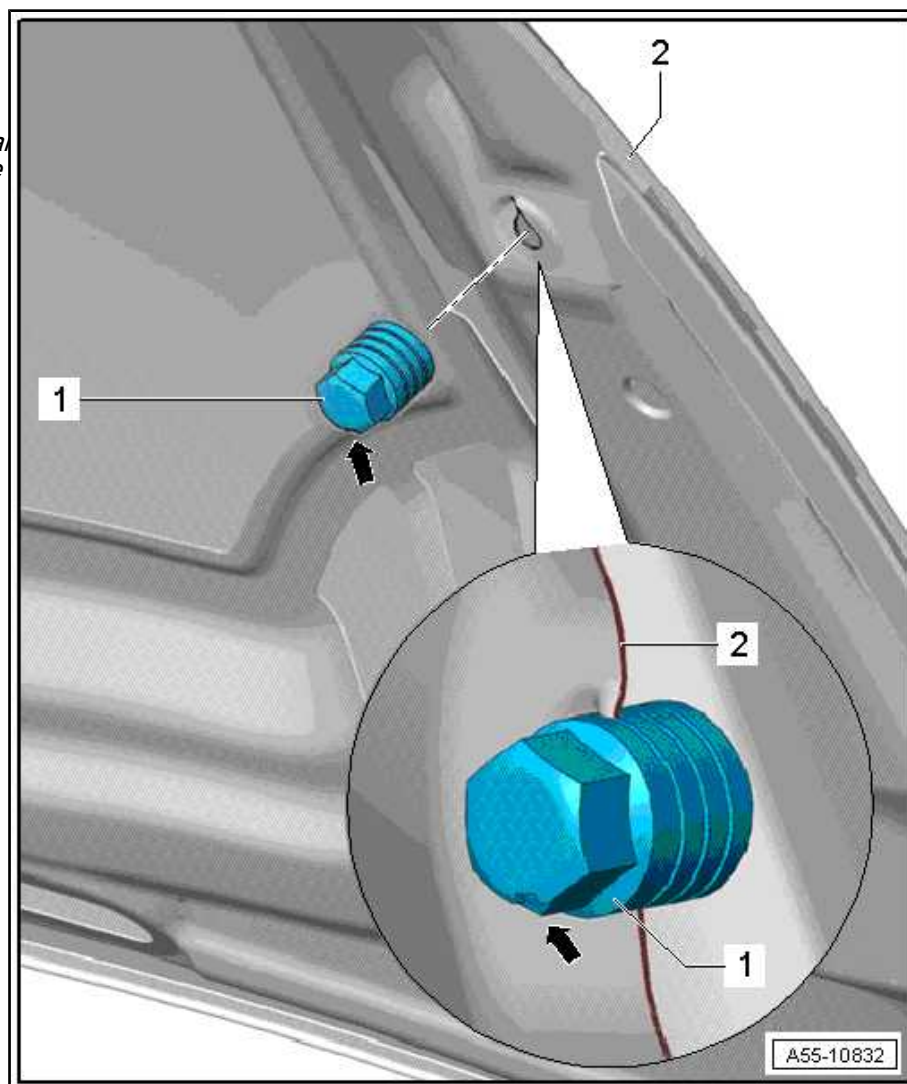


Note

The adjusting buffers adjust the height of the

- ❑ When bonnet is closed, adjusting buffers must rest on lock carrier.

2 - Bonnet

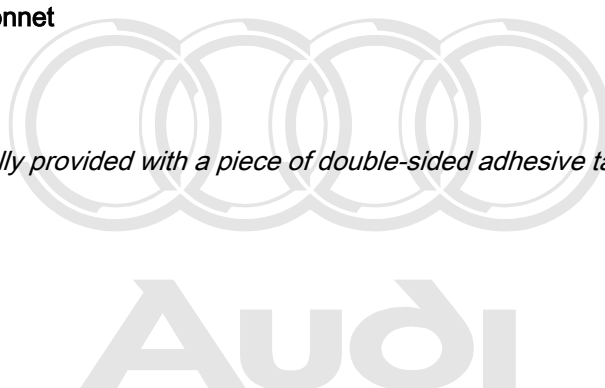


Renewing impact guard for bonnet



Note

The impact guard is additionally provided with a piece of double-sided adhesive tape.



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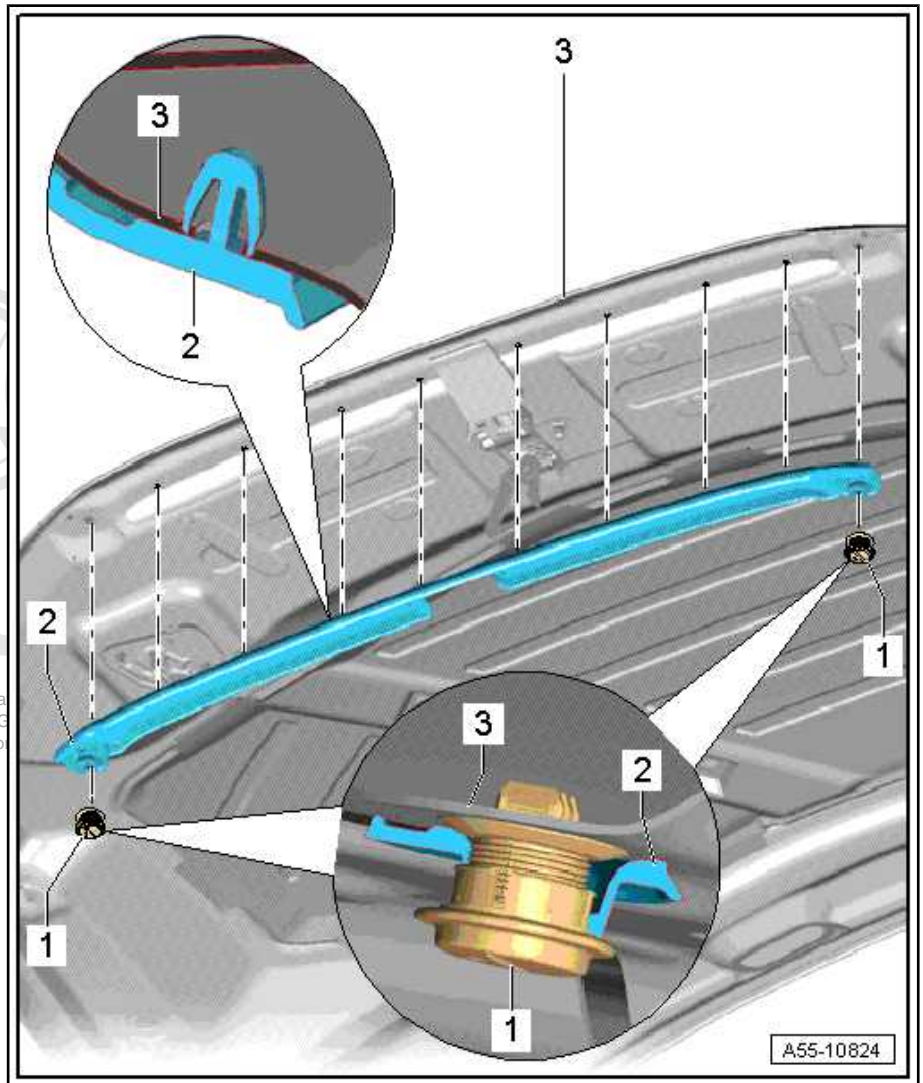
1 - Clip

2 - Impact guard

- ❑ To remove, pull clip out of bonnet and pull off impact guard.
- ❑ To install, press in with clips (from outside to inside).

3 - Bonnet

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1.4 Removing and installing hinges

1 - Bonnet hinge

❑ Removing

- Before removing bonnet hinge, support bonnet or secure it in position.
- Remove gas strut
⇒ [page 30](#) .
- Unclip and detach cover from bonnet hinge.
- Remove bolts -6- and nuts -5-.

❑ Installing

- In reverse sequence (align according to markings -arrows-)

2 - Cover

3 - Bonnet

4 - Stud

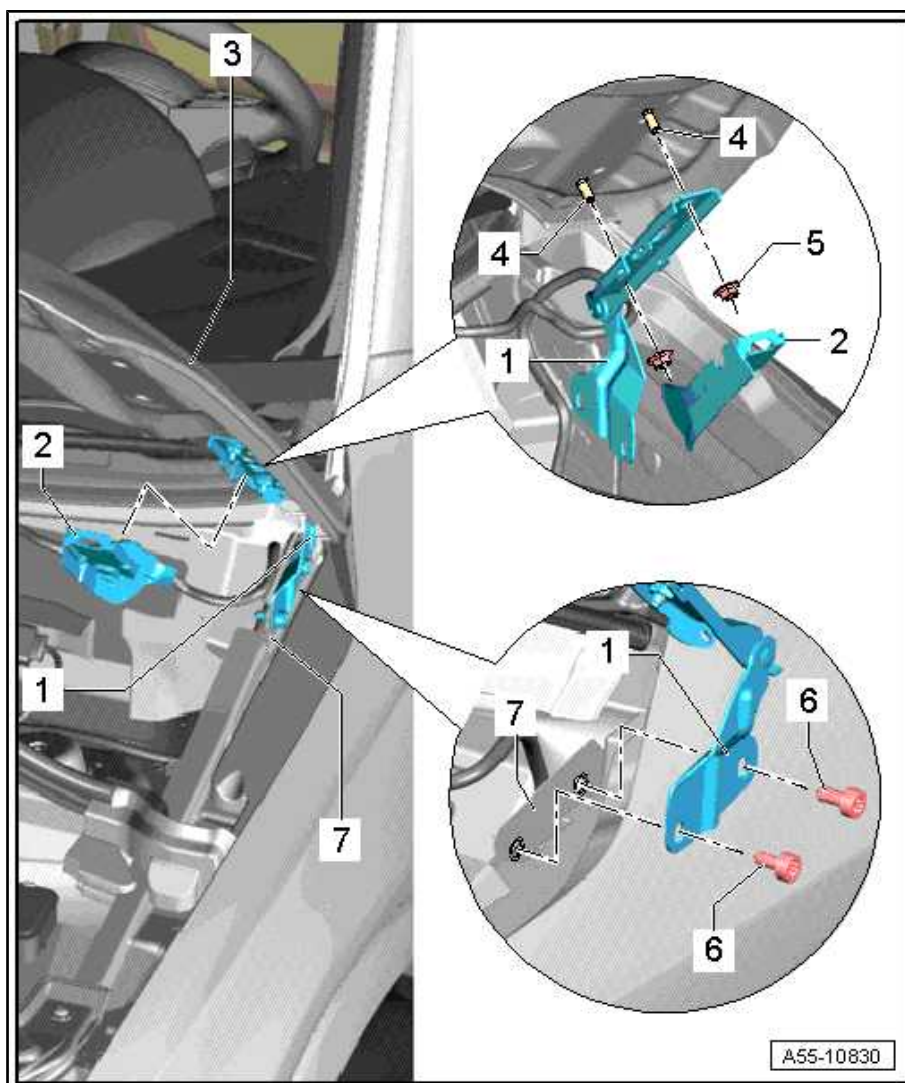
5 - Nut

- ❑ 25 Nm

6 - Bolt

- ❑ 21 Nm

7 - Wing mounting flange



1.5 Removing and installing striker

⇒ ["1.5.1 Removing and installing arrester", page 29](#)

⇒ ["1.5.2 Removing and installing striker", page 29](#)

1.5.1 Removing and installing arrester

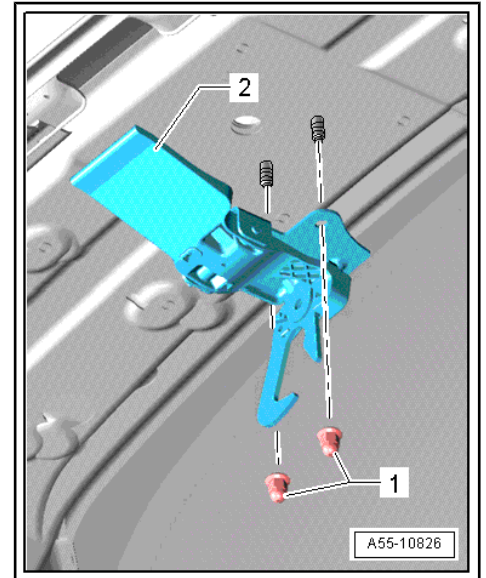
Removing

- Unscrew nuts -1- and detach arrester bracket -2-.

Installing

Install in reverse order of removal.

- Tightening torque ⇒ ["1.1 Exploded view - bonnet", page 18](#)



1.5.2 Removing and installing striker

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1 - Nut

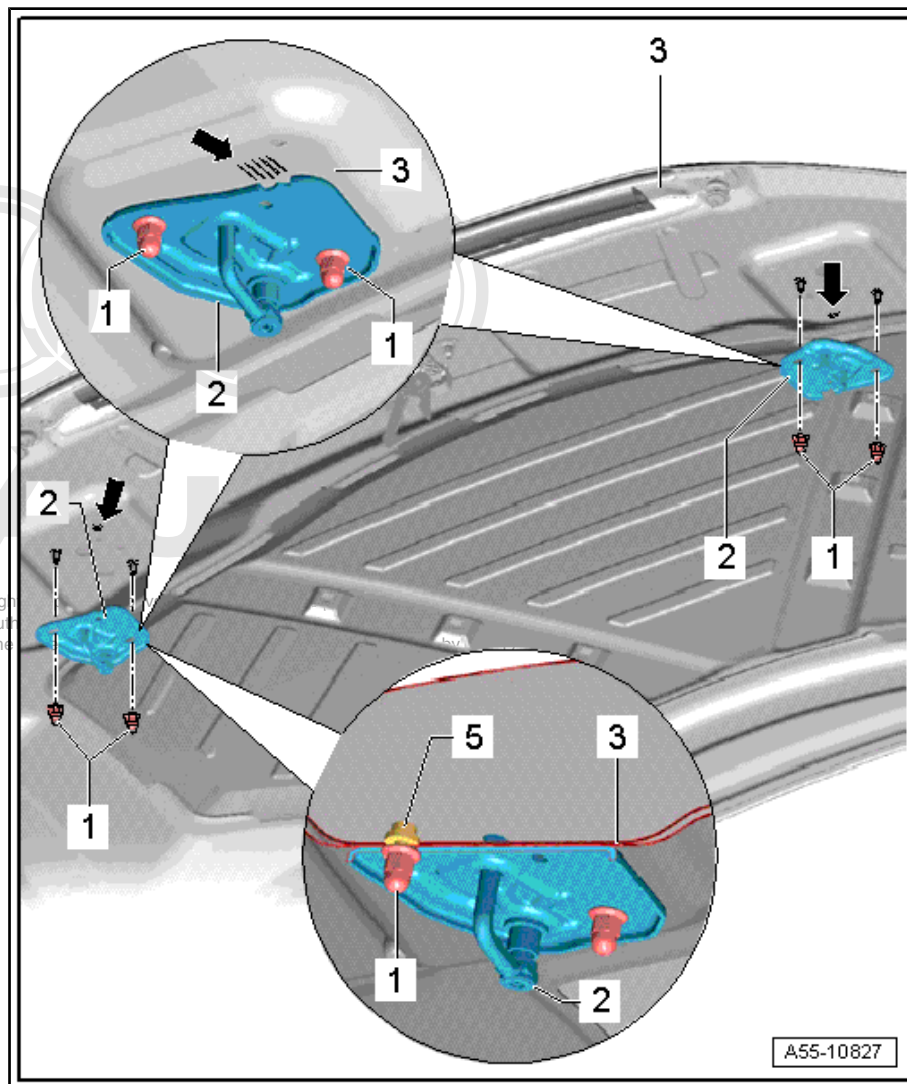
- Tightening torque
⇒ [page 18](#)

2 - Striker

- Removing
 - Unscrew bolts and detach striker.
- Installing
 - Align striker according to markings in bonnet -arrows- and tighten bolts to specified torque.

3 - Bonnet

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1.6 Removing and installing gas strut

Removing

- Support bonnet or secure it in position.
- Lift retaining clip -arrow- slightly using a small screwdriver, and pull gas strut -1- off ball stud -2-.
- Repeat procedure at lower ball stud.

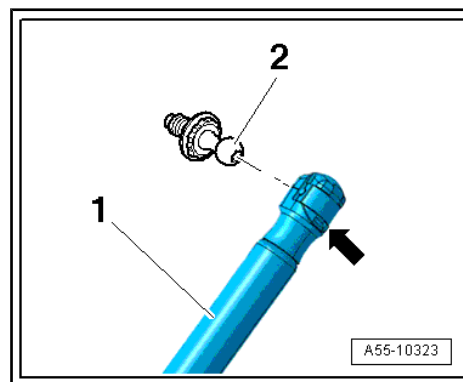
Installing



Note

If the gas strut has been completely removed make sure it is re-installed in the correct position. The cylinder end of the gas strut must be engaged on the bonnet side.

- Press gas strut onto ball stud and engage.



1.7 Releasing gas from gas strut

- Clamp section -x = 50 mm- of gas strut in a vice.



WARNING

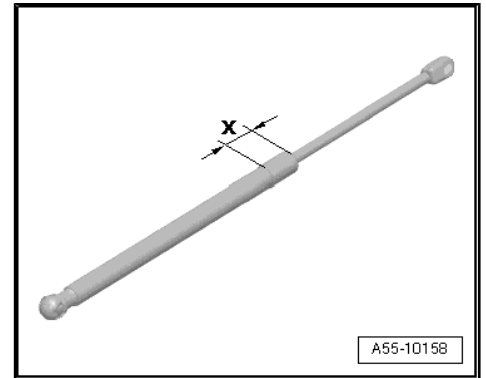
- ♦ *Only the section indicated may be clamped in the vice (accident risk!).*
- ♦ *Always wear safety goggles while sawing.*



Note

Cover area around saw cut with a cloth to catch any fluid which may escape.

- Saw open first third of cylinder part of gas strut (measured from piston rod end of cylinder).



1.8 Removing and installing insulation

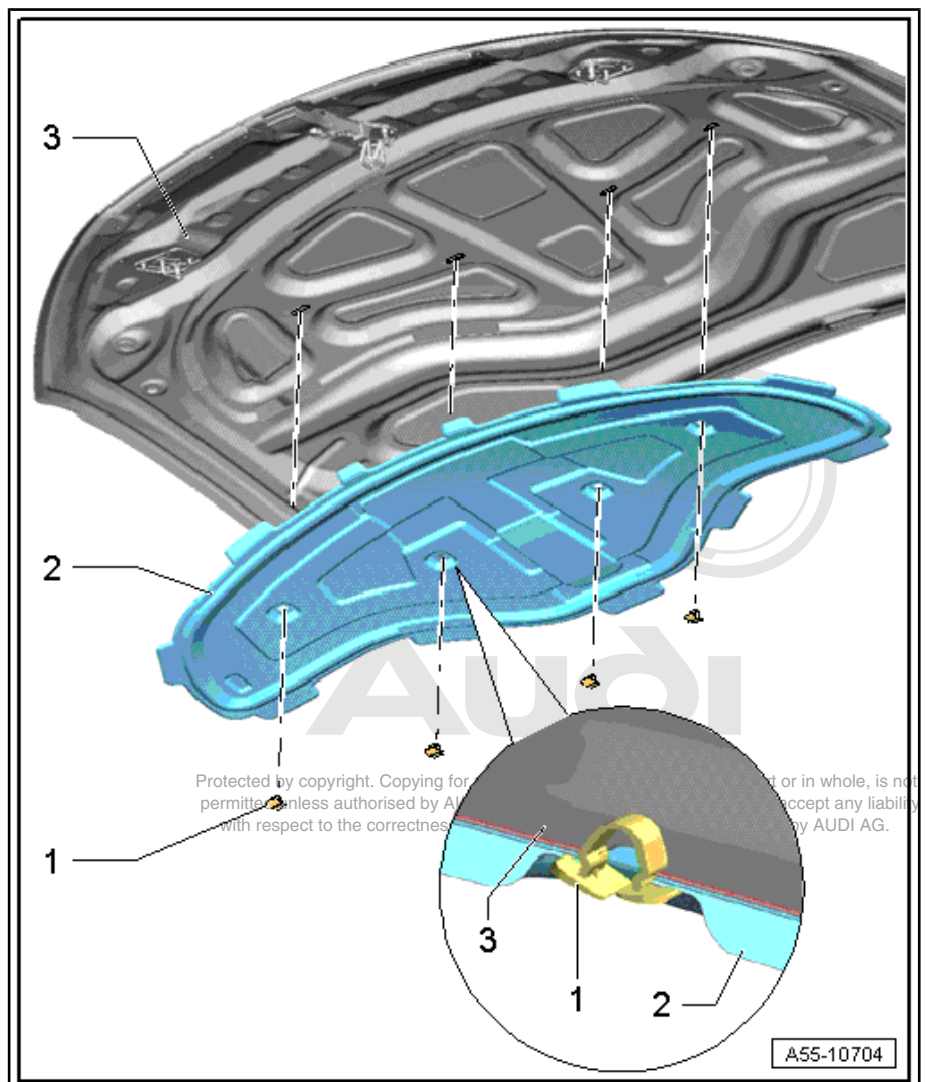
1 - Clip

2 - Insulation

□ Installing:

- First push lugs on rear edge of insulation into holes provided on inner panel.
- Push in lugs on front edge and side.
- Clips must engage audibly when pressing in.

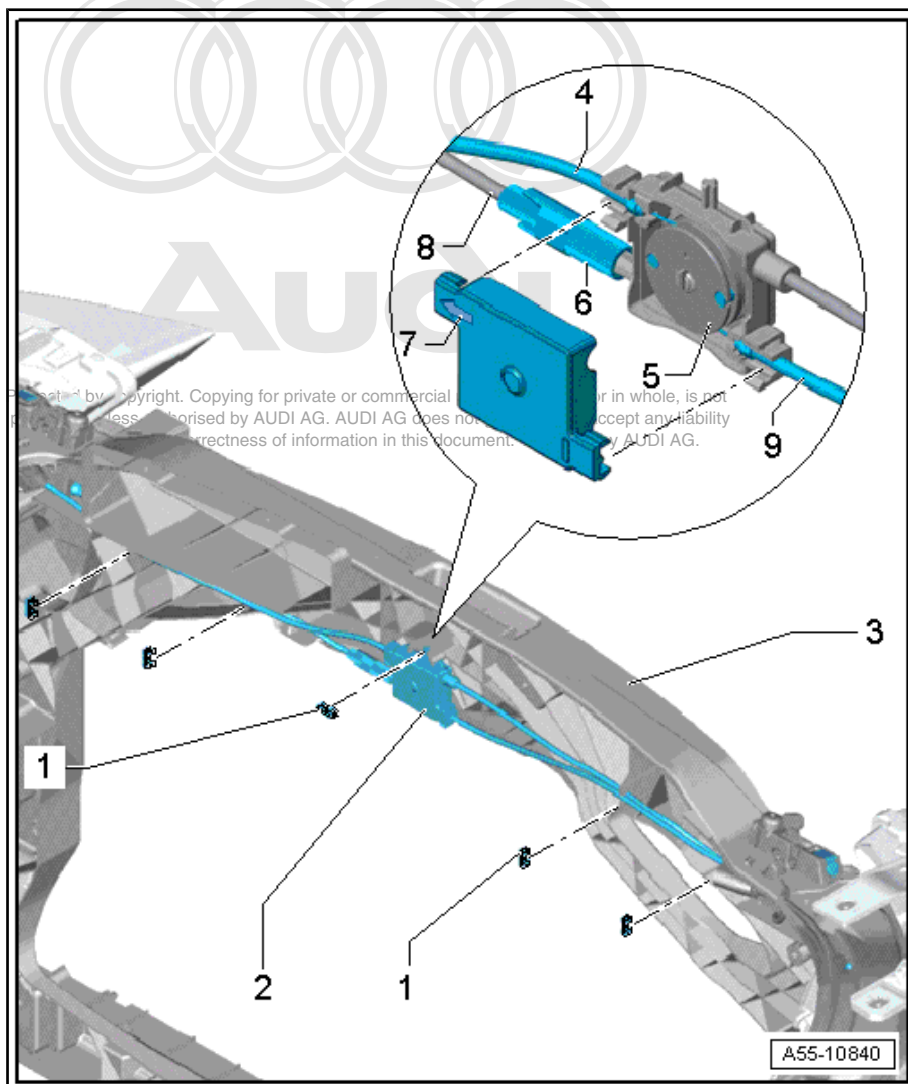
3 - Bonnet



1.9 Removing and installing Bowden cable

Coupling unit for Bowden cable

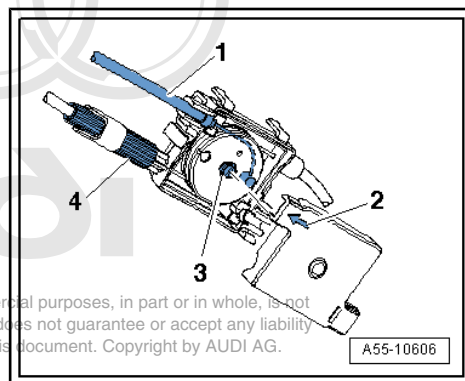
- Pull clips -1- off lugs and lift out Bowden cables -8- and -9- going to bonnet locks on both sides.



- To remove coupling unit -2-, release catches -arrows- at lock carrier -3- from front and push coupling unit towards rear out of bracket for arrester.
- Engage Bowden cable -4- to vehicle interior in roller -5- of coupling unit, as shown.
- Press Bowden cable into mounting on housing.
- Press housing cover -7- on so that arrow points in direction of Bowden cable to vehicle interior.
- Adjust Bowden cable to vehicle interior -8- via collar -6- so that bonnet locks are released simultaneously.

Engaging Bowden cable in coupling unit

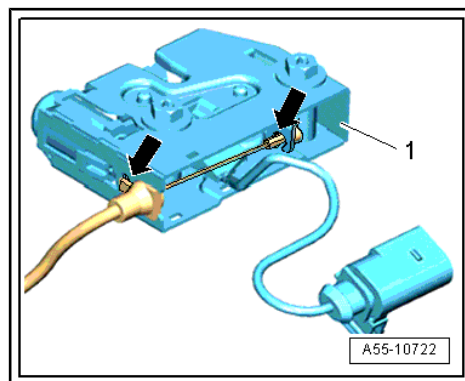
- Engage Bowden cable -1- to vehicle interior in roller -3- of coupling unit, as shown.
- Press Bowden cable into mounting on housing.
- Press housing cover -2- on so that arrow points in direction of Bowden cable -1- to vehicle interior.
- Adjust Bowden cable via collar -4- so that bonnet locks are released simultaneously.



Attaching Bowden cable to bonnet lock

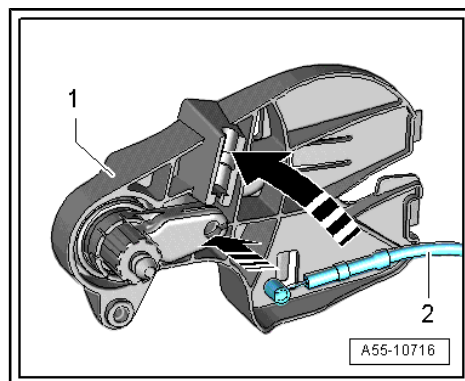
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- Insert nipple of Bowden cable -2- into operating lever -right arrow- of bonnet lock -1-.
- Slide Bowden cable with guide into bonnet lock from below; catch -left arrow- should engage.



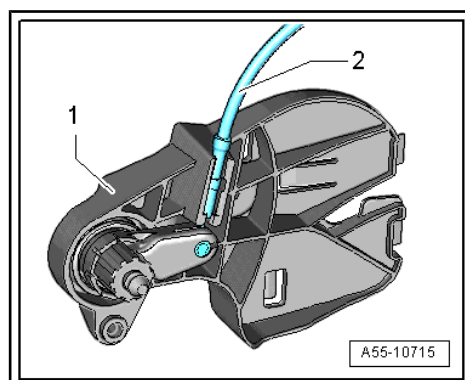
Engaging Bowden cable in operating lever

- Insert Bowden cable -2- in operating lever -1- from side in direction of arrow.

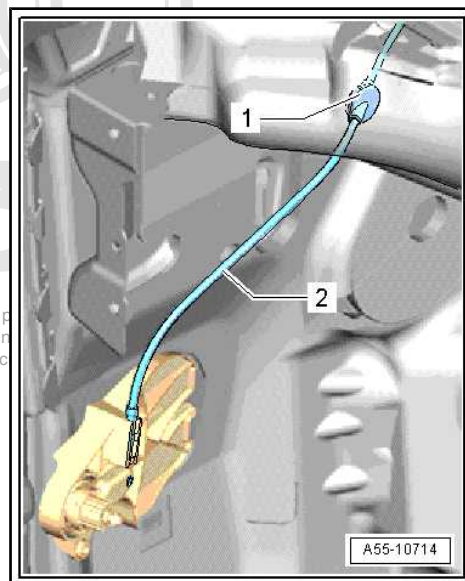


- Swivel Bowden cable -2- upwards as shown and clip it into support bracket of operating lever -1-.

Routing of Bowden cable in vehicle interior

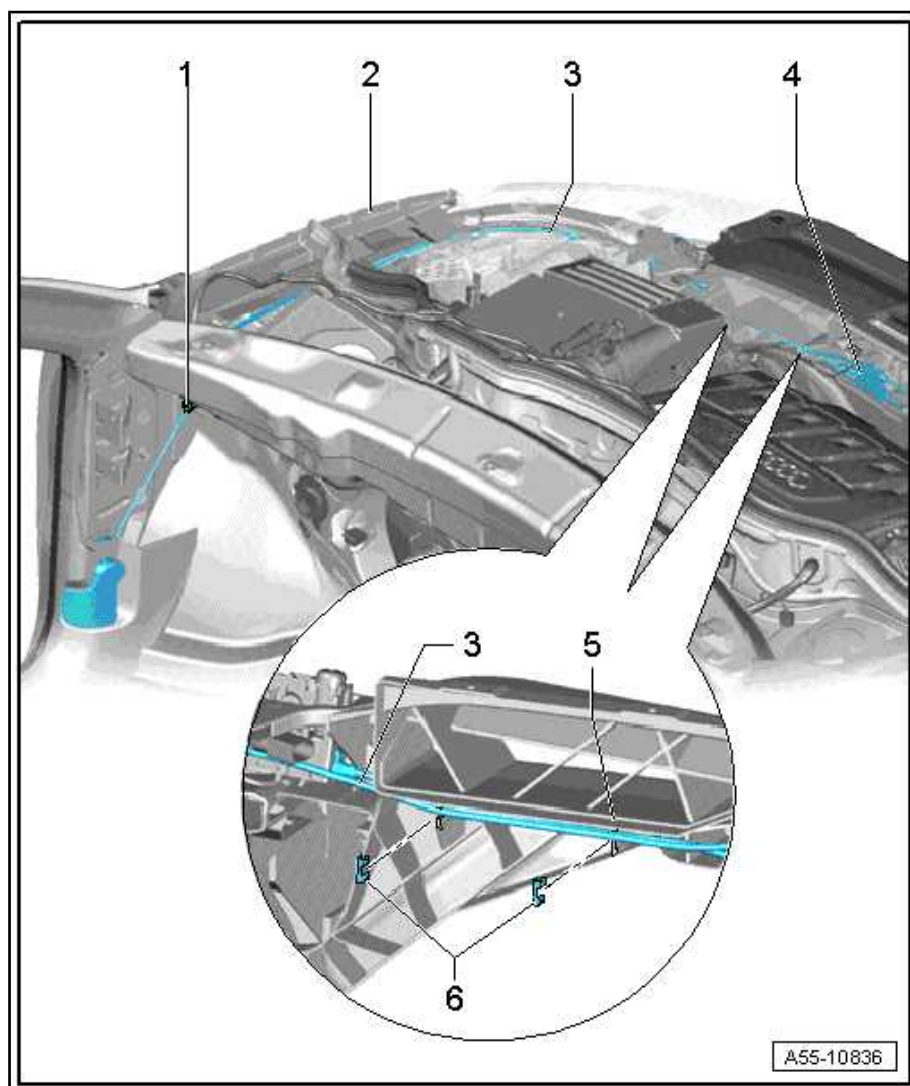


- Route Bowden cable -2- along A-pillar as shown.
- Grommet -1- must be pressed onto A-pillar from interior.



Routing of Bowden cable in engine compartment

- Starting from interior, route Bowden cable -3- in engine compartment along wing mounting flange -2- (as shown).

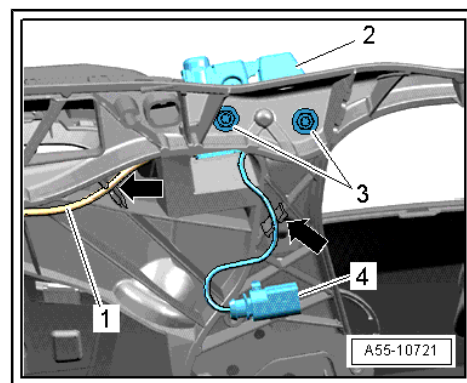


- Make sure that grommet -1- is pressed into side of A-pillar correctly.
- Push coupling unit -4- into lock carrier ➤ [page 32](#) .
- Slide Bowden cable onto lugs -5- on lock carrier with clips -6-.

1.10 Removing and installing bonnet lock

Removing

- Remove lock carrier cover ➤ [page 156](#) .
- Left-side: Remove filler neck for washer fluid reservoir ➤ Electrical system; Rep. gr. 92 ; Windscreen washer system; Exploded view - windscreen washer system .
- Unplug connector -4- for anti-theft alarm system.
- Pull connector off lock carrier.
- Remove bolts -3-.



- Release retaining hook at Bowden cable -left arrow- and slide downwards out of bonnet lock -1- with guide.
- Disengage nipple of Bowden cable from operating lever -right arrow-.

Installing

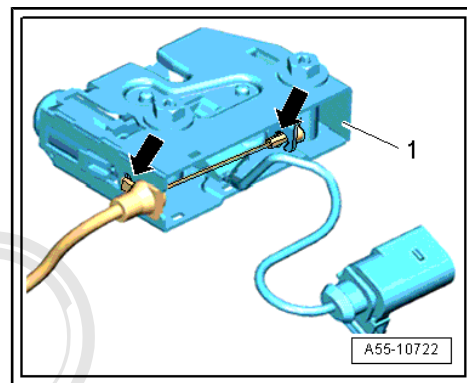
Installation is carried out in the reverse order; note the following:

- Tightening torque ➤ [“1.1 Exploded view - bonnet”, page 18](#)



Note

Adjust the height of the bonnet by moving the bonnet lock into the elongated holes in the lock carrier.



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1.11 Removing and installing operating lever for bonnet

Removing

- Use a small screwdriver to pull securing clip -2- slightly out of operating lever -1- -arrow A-.
- Pull operating lever to rear -arrow B- (this releases the bonnet) and hold in this position.



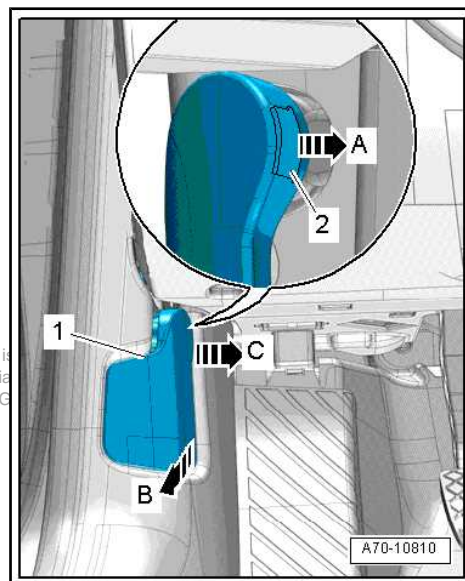
Caution

If operating lever is pulled out at an angle, mounting could be damaged.

- At the same time, detach operating lever from its mounting towards centre of vehicle -arrow C-.

Installing

Install in reverse order of removal.



2 Rear lid

- ⇒ [“2.1 Exploded view - rear lid”, page 37](#)
- ⇒ [“2.2 Removing and installing rear lid”, page 42](#)
- ⇒ [“2.3 Adjusting rear lid”, page 42](#)
- ⇒ [“2.4 Removing and installing hinges”, page 47](#)
- ⇒ [“2.5 Removing and installing rear lid seal”, page 48](#)
- ⇒ [“2.6 Removing and installing gas strut”, page 49](#)
- ⇒ [“2.7 Removing and installing rear lid lock”, page 50](#)
- ⇒ [“2.8 Removing and installing striker”, page 51](#)
- ⇒ [“2.9 Removing and installing actuator”, page 52](#)

2.1 Exploded view - rear lid

- ⇒ [“2.1.1 Exploded view - rear lid”, page 37](#)
- ⇒ [“2.1.2 Exploded view - rear lid, stop buffers and adjusting buffers”, page 39](#)
- ⇒ [“2.1.3 Exploded view - rear lid, release button for rear lid lock cylinder F248 ”, page 40](#)
- ⇒ [“2.1.4 Exploded view - rear lid, motor for rear lid”, page 41](#)

2.1.1 Exploded view - rear lid

1 - Rear lid

- ☐ Removing and installing
⇒ [page 42](#)

- ☐ Removing and installing
rear lid seal
⇒ [page 48](#)

2 - Bolt

- ☐ 12 Nm

3 - Rear lid hinge

- ☐ Removing and installing
⇒ [page 47](#)

4 - Nuts

- ☐ 25 Nm

5 - Seal

- ☐ Renew

6 - Adjusting buffer

- ☐ On body; adjusting
⇒ [page 45](#)

7 - Stop

8 - Rear lid lock

- ☐ Removing and installing
⇒ [page 50](#)

9 - Cover for rear lid lock

10 - Nuts

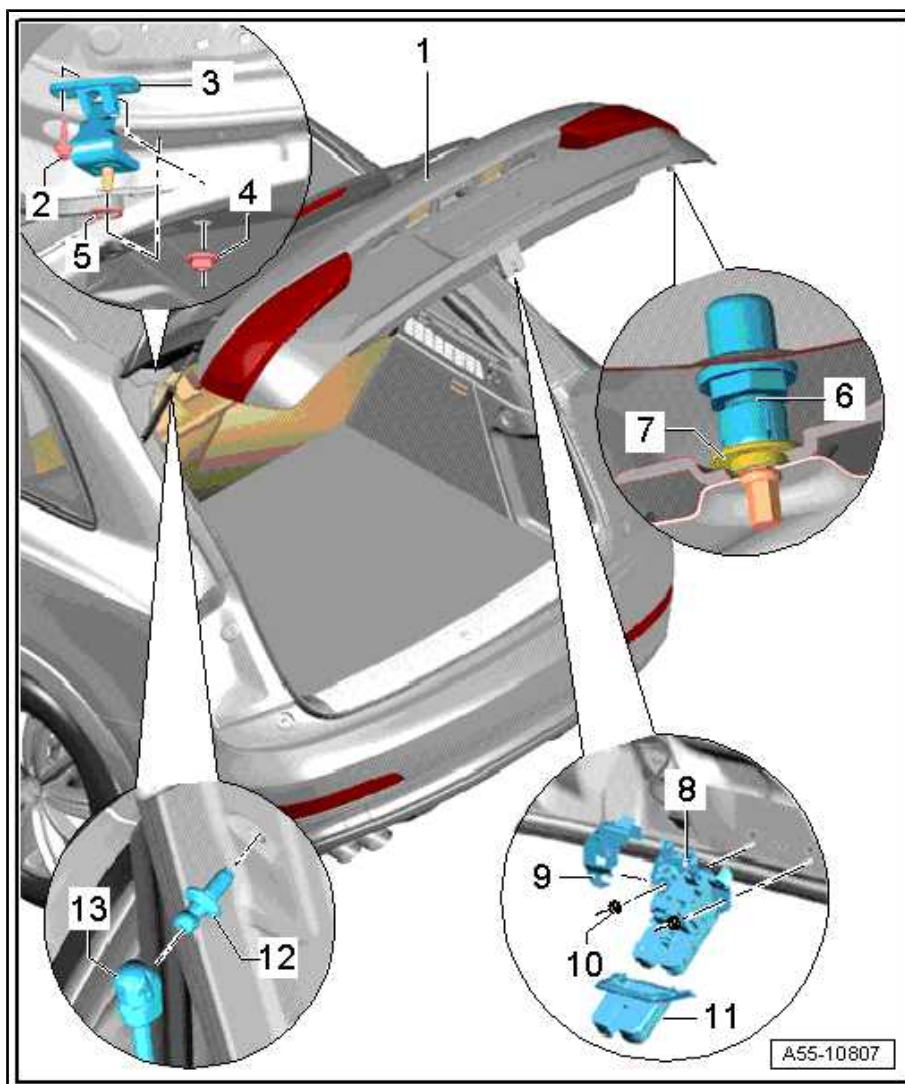
- ☐ 21 Nm

11 - Cover

12 - Ball-head pin

- ☐ Tightening torque
⇒ [page 49](#)

13 - Gas strut



2.1.2 Exploded view - rear lid, stop buffers and adjusting buffers

1 - Stop buffer (bottom)

- 1.5 Nm

2 - Stop buffer (top)

- To remove, push in locking pin and pull out stop buffer.
- Remove locking pin from side panel.
- To install, insert stop buffer with fastener and push in locking pin so it is flush.

3 - Side panel

4 - Adjusting buffer (top)

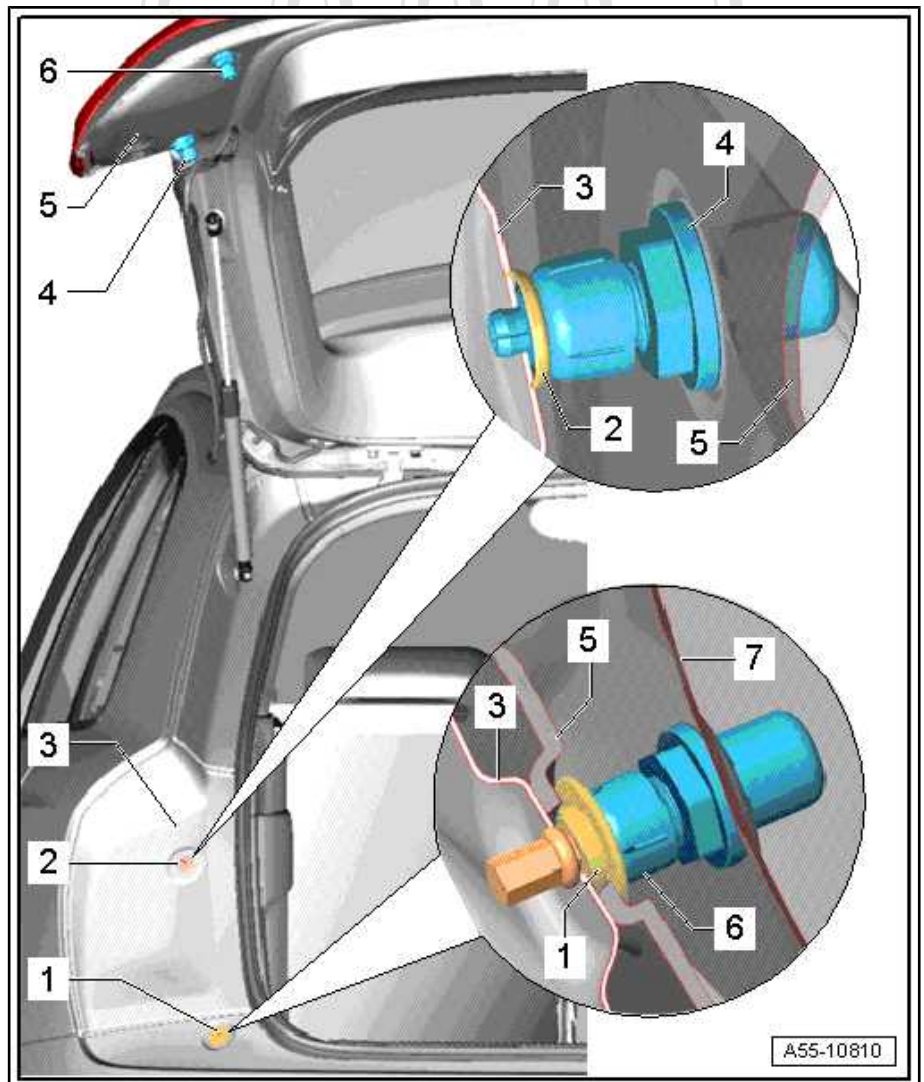
- Removing and installing ➔ [page 42](#)

5 - Rear lid

6 - Adjusting buffer (bottom)

- Removing and installing ➔ [page 42](#)

7 - Side panel



2.1.3 Exploded view - rear lid, release button for rear lid lock cylinder - F248-

1 - Anti-theft bracket

2 - Nut

- ❑ Tightening torque ⇒
Electrical system; Rep.
gr. 96 ; Controls; Over-
view of fitting locations -
controls in luggage
compartment

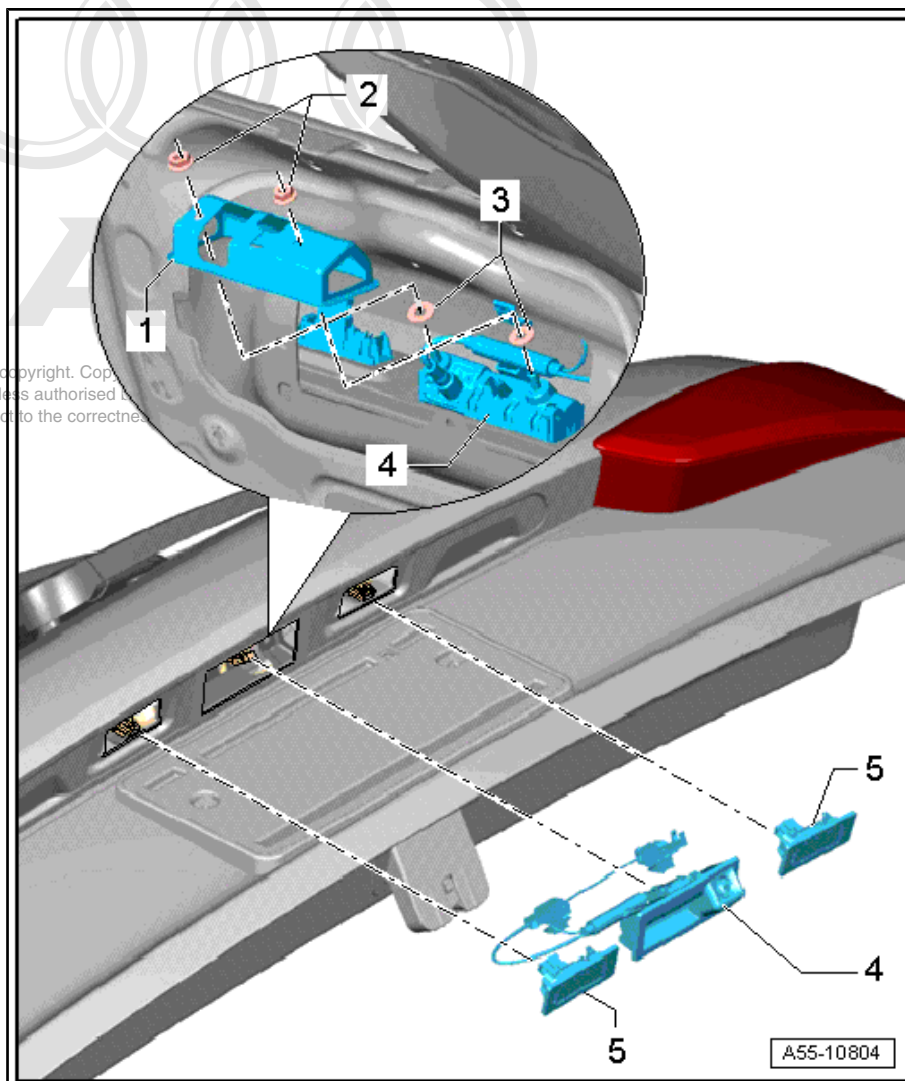
3 - Seal

4 - Release button for rear lid lock cylinder - F248-

- ❑ Removing and installing ⇒
Electrical system;
Rep. gr. 96 ; Controls;
Removing and installing
release button for rear
lid lock cylinder - F248-

5 - Number plate light

- ❑ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Number
plate light; Removing
and installing number
plate light - X4- / -X5-



2.1.4 Exploded view - rear lid, motor for rear lid

1 - Electrical connectors

2 - Rear lid control unit - J605-

- ❑ Removing and installing
⇒ [page 53](#)

3 - Bracket

- ❑ For rear lid control unit - J605-

4 - Mounting

- ❑ With ball stud

5 - Bolt

- ❑ 2x
- ❑ 30 Nm

6 - Grommet

7 - Motor for rear lid

- ❑ Motor 1 for rear lid - V444- with sensor in motor 1 for rear lid - G745- on left side of vehicle
- ❑ Motor 2 for rear lid - V445- with sensor in motor 2 for rear lid - G746- on right side of vehicle

- ❑ Removing and installing
⇒ [page 52](#)

8 - Rear lid warning buzzer - H32-

- ❑ Removing and installing
⇒ Electrical system;
Rep. gr. 96 ; Controls;
Removing and installing
rear lid warning buzzer - H32-

9 - Ball stud

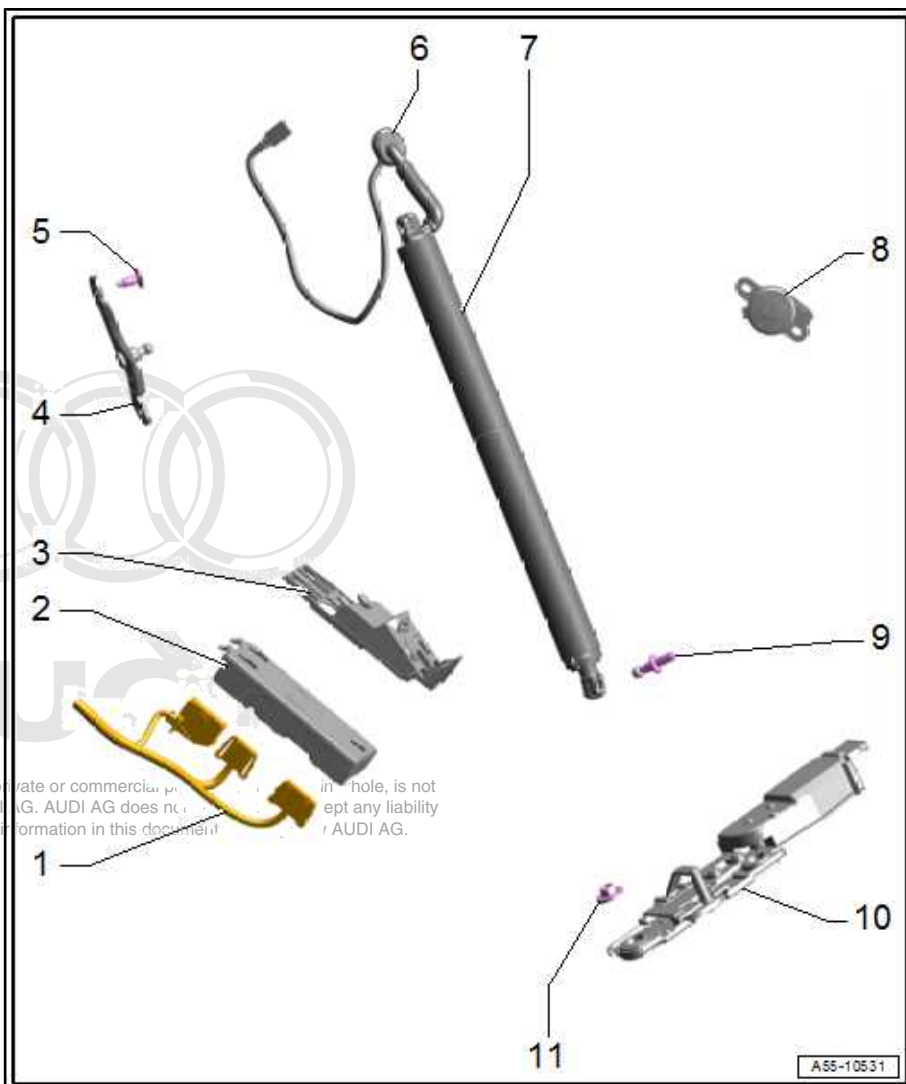
- ❑ 21 Nm

10 - Rear lid lock unit - F256-

- ❑ With power latching motor for rear lid - V382-
- ❑ Removing and installing ⇒ [page 51](#)
- ❑ Adjusting ⇒ [page 44](#)

11 - Nut

- ❑ 2x
- ❑ 21 Nm



A55-10531

2.2 Removing and installing rear lid

⇒ "2.2.1 Removing and installing rear lid", page 42

⇒ "2.2.2 Removing and installing adjusting buffer", page 42

2.2.1 Removing and installing rear lid

- When removing or installing the rear lid, a second mechanic is required to support and hold the rear lid.

Removing:



Note

Before removing, mark the position of the rear lid on the lid hinge using a fine felt-tip pen or similar.

- Remove rear lid trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing rear lid trim (top) .
- Unplug electrical wiring at connectors and pull out of rear lid.
- First unscrew top bolt from rear lid.
- Remove side bolts from both sides of rear lid and lift off rear lid ⇒ page 47 .

Installing: in reverse order of removal

- If fitted, reversing camera - R189- must be re-calibrated ⇒ Communication; Rep. gr. 91 ; Reversing camera system .

Adjusting:

- Adjust height of rear lid at front and adjust lengthwise via rear lid hinge.
- Adjust height of rear lid at rear via rear lid lock at striker plate.
- Align rear lid centrally with equal gaps on both sides / to specified gap widths ⇒ page 42 .
- Adjust stop buffers.

2.2.2 Removing and installing adjusting buffer

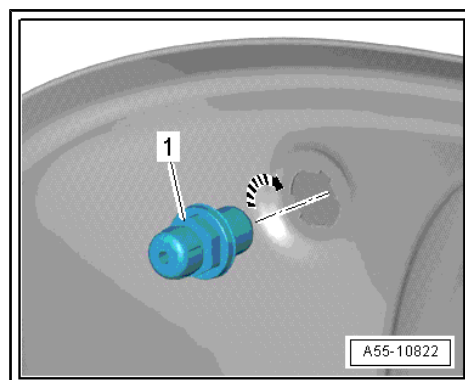
Removing

- Release adjusting buffer by pressing and turning it anti-clockwise using 24 mm socket on hexagon flats and pull it out.

Installing

Installation is carried out in the reverse order; note the following:

- To install, insert adjusting buffer in rear lid in correct position and lock by turning it clockwise in direction of -arrow- using 24 mm socket.



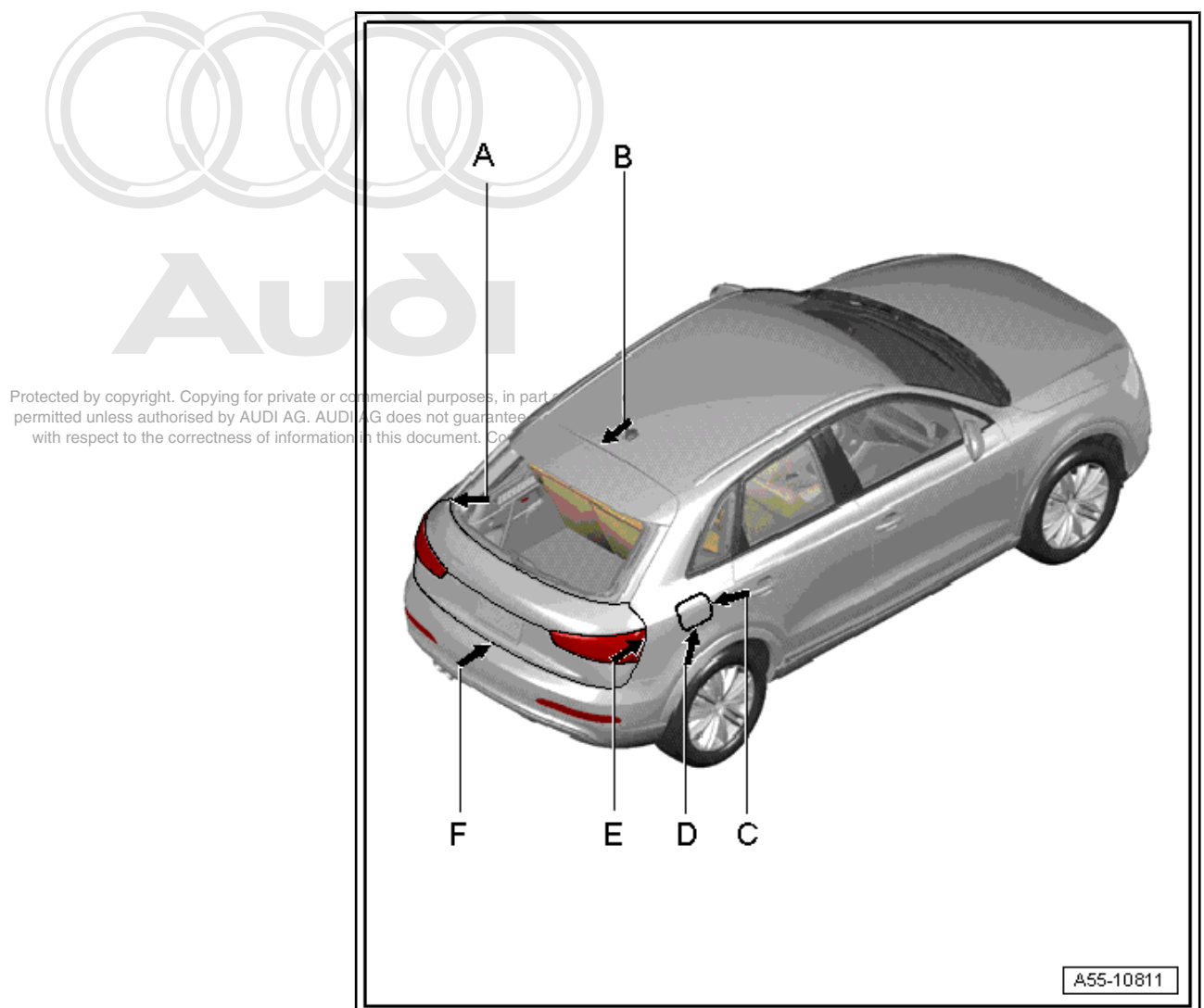
2.3 Adjusting rear lid

Special tools and workshop equipment required

◆ Setting gauge - 3371-



Gap widths



The gap widths can be checked using the setting gauge - 3371- .

Adjustment via hinge

- Roof spoiler removed ➔ [page 227](#)

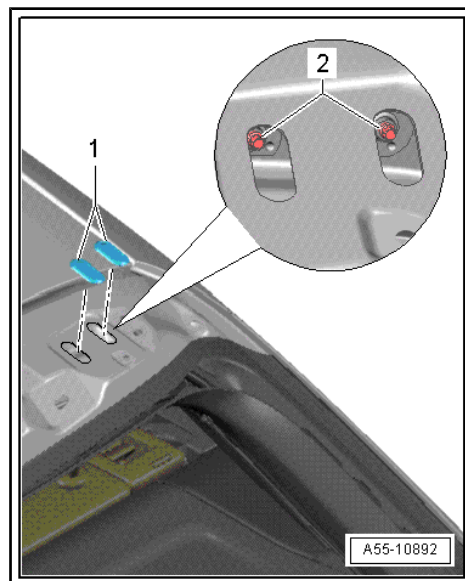
- Prise out seal -1-.

To ensure that seal is waterproof, it must be coated completely with adhesive/sealing compound - D 511 500 A2- after installation.

- Loosen bolts -2- on rear lid (at hexagon flats of bolts).
- Close rear lid and align with body contour.
- Tighten bolts -2- with insert for Torx spanner E5 (anti-clockwise) to max. 7 Nm to secure rear lid.
- Open rear lid and tighten bolts (at hexagon flats of bolts) to specified torque ➔ [Item 2 \(page 38\)](#) .
- Install rear spoiler.

Adjustment via striker (vehicles with fixed striker)

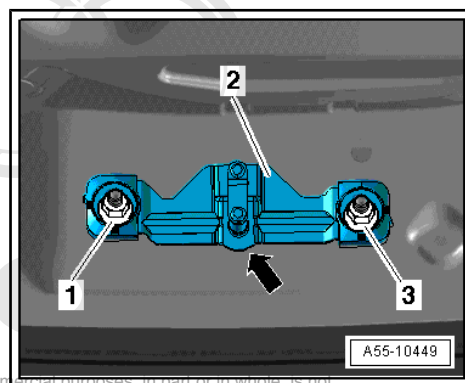
- Remove lock carrier trim ➔ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing lock carrier trim .



Note

- ♦ Prior to adjustment, completely screw in adjusting buffers on rear lid ➔ [page 46](#) .
- ♦ Height of rear lid at rear end can be adjusted by moving striker plate.

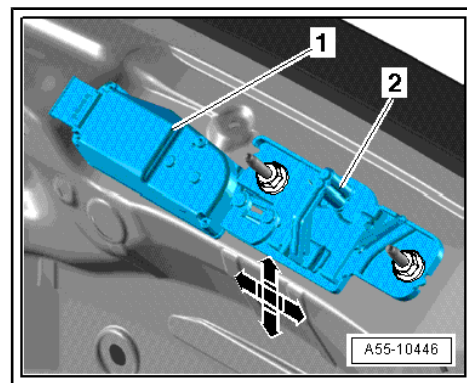
- Loosen nuts -1- and -3-; it must be possible to move striker -2-.
- Close rear lid and check body contour.
- If necessary, align according to body contour via adjusting buffers (top).
- Rear lid lock must be engaged in main catch (2nd stop).
- Tighten nuts on striker to specified torque ➔ [Item 10 \(page 38\)](#) .
- Unscrew adjusting buffers (bottom) until buffers of closed rear lid make contact with stop buffers in body.
- Check whether rear lid still closes easily. Repeat adjustment procedure if necessary.
- If rear lid does not close easily, screw in adjusting buffer slightly.



Adjustment via striker (vehicles with rear lid lock unit)

- Remove lock carrier trim ➔ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing lock carrier trim .

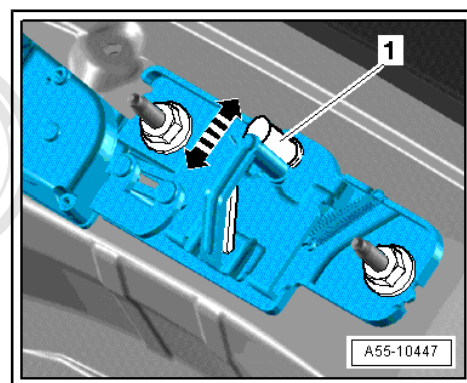
- Loosen nuts; it must still be possible to move rear lid lock unit -1- with striker -2-.
- To make adjustment easier, there are marks in rear cross panel for aligning rear lid lock unit.



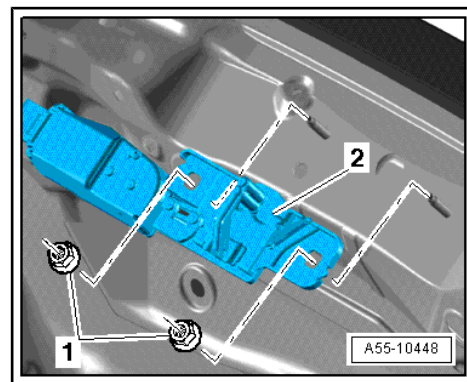
Caution

Risk of damage!

- ◆ *When adjusting the rear lid, the striker must be in the "rear lid closed" position (bottom end position).*
- ◆ *The striker must not be fitted in the top end position -1- (marked in white), as otherwise the rear lid could be pulled down too far when it is closed and could become damaged.*
- ◆ *The power latching control unit must not be electrically connected when adjusting the rear lid.*



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- Before adjusting the rear lid, completely screw in the top parts of the adjusting buffers on the rear lid ➔ [page 46](#).
 - Close rear lid and check body contour.
 - If necessary, align according to body contour via adjusting buffers (top).
 - Rear lid lock must be engaged in main catch (2nd stop).
 - Tighten nuts -1- on rear lid lock unit -2- to specified torque. Tightening torque ➔ [page 41](#)
 - Unscrew adjusting buffers (bottom) until buffers of closed rear lid make contact with stop buffers in body.
 - Check whether rear lid still closes easily. Repeat adjustment procedure if necessary.
 - If rear lid does not close easily, screw in adjusting buffer slightly.



Adjusting via adjusting buffers

1 - Side panel

2 - Stop

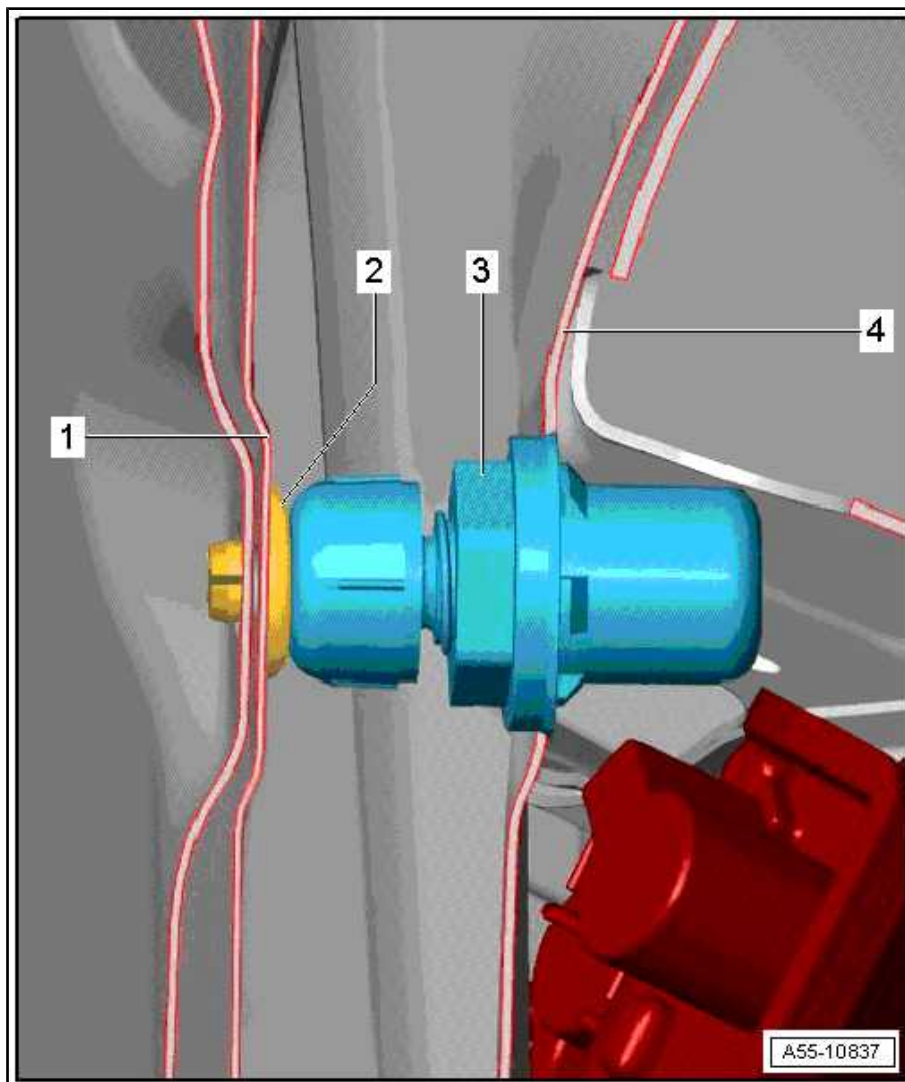
- ❑ Removing and installing
⇒ [page 42](#)

3 - Adjusting buffer

- ❑ Removing and installing
- ❑ The height is adjusted via the adjuster screw.
- ❑ If correctly adjusted, adjusting buffer must be slightly compressed on coming into contact with stop buffer (on rear lid) with rear lid closed.

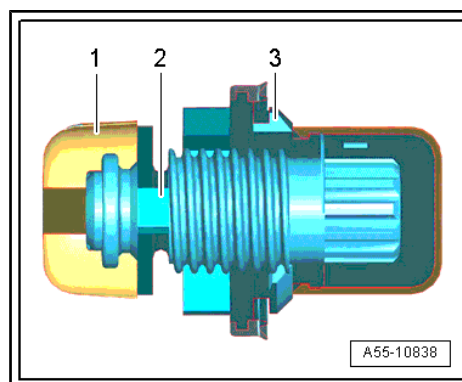
4 - Rear lid

- ❑ If correctly adjusted, adjusting buffer -3- must be slightly compressed on coming into contact with stop buffer -2- with rear lid closed.



Adjuster screw for adjusting buffer

- Before adjusting rear lid, screw adjuster screw -2- with protective cap -1- completely into adjusting buffer -3-.
- Unscrew adjuster screw -2- until protective cap -1- is slightly compressed on coming into contact with stop buffer on rear lid with rear lid closed.
- Make sure that rear lid has no play and closes in line with body contour by pressing or pulling on side edges of rear lid beneath rear window.
- Repeat adjustment if necessary.



2.4 Removing and installing hinges



Note

- ◆ When renewing the hinges on both sides, remove and install them one after the other (left and right).
- ◆ Before removing, mark position of hinges on rear lid.

1 - Rear lid hinge

Removing:

- D-pillar trim removed ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing D-pillar trim .
- Remove roof grab handles (rear) ⇒ General body repairs, interior; Rep. gr. 68 ; Equipment; Removing and installing roof grab handle .
- Lower headliner in rear area at nut for rear lid hinge.



Note

To prevent any damage lid or body, prop up and rear lid.

- Unscrew bolts -2- at rear lid hinge first.
- Unscrew nut -6- on roof.

Installing:

- Align hinge according to markings and tighten bolts (top) -2- at rear lid to specified torque.
- Fit nut -6-
- Adjust rear lid according to specified gap width to roof and tighten nut to specified torque.

2 - Bolt

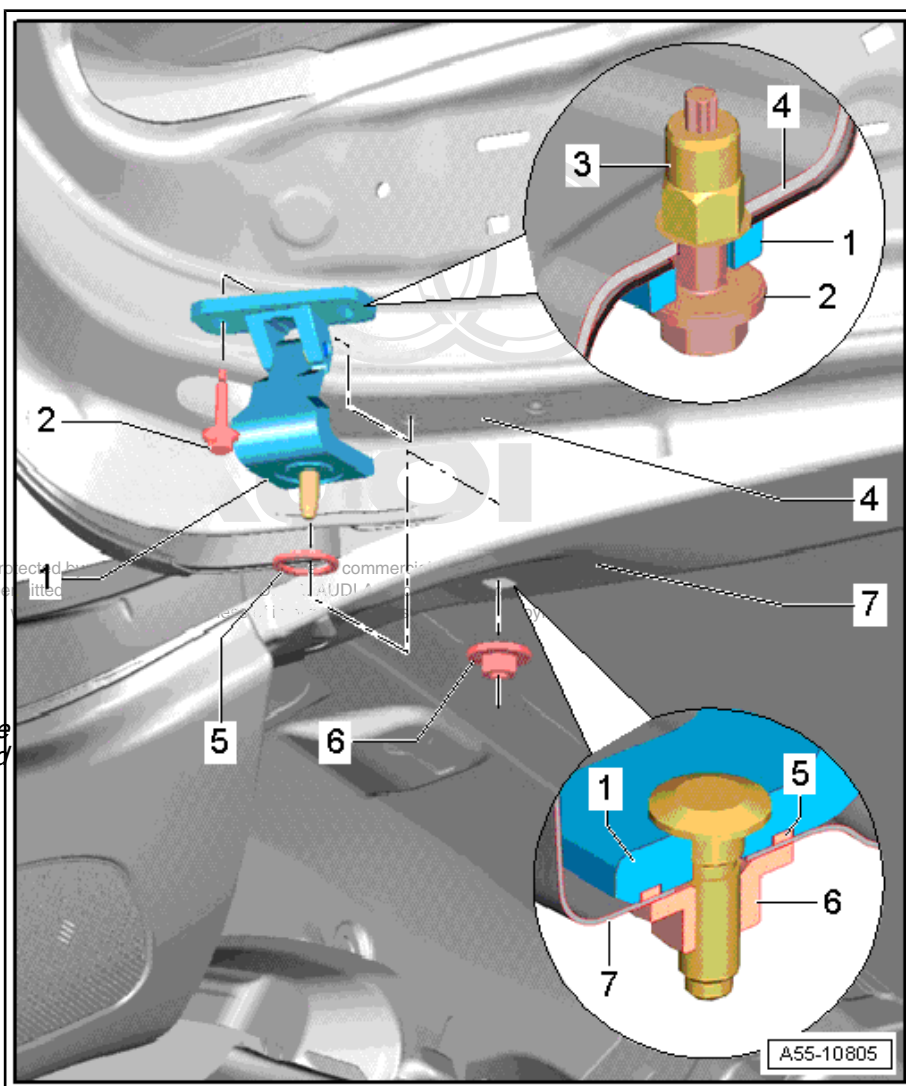
- 12 Nm

3 - Pop rivet nut

4 - Rear lid

5 - Seal

- Renew



6 - Nut

- 25 Nm

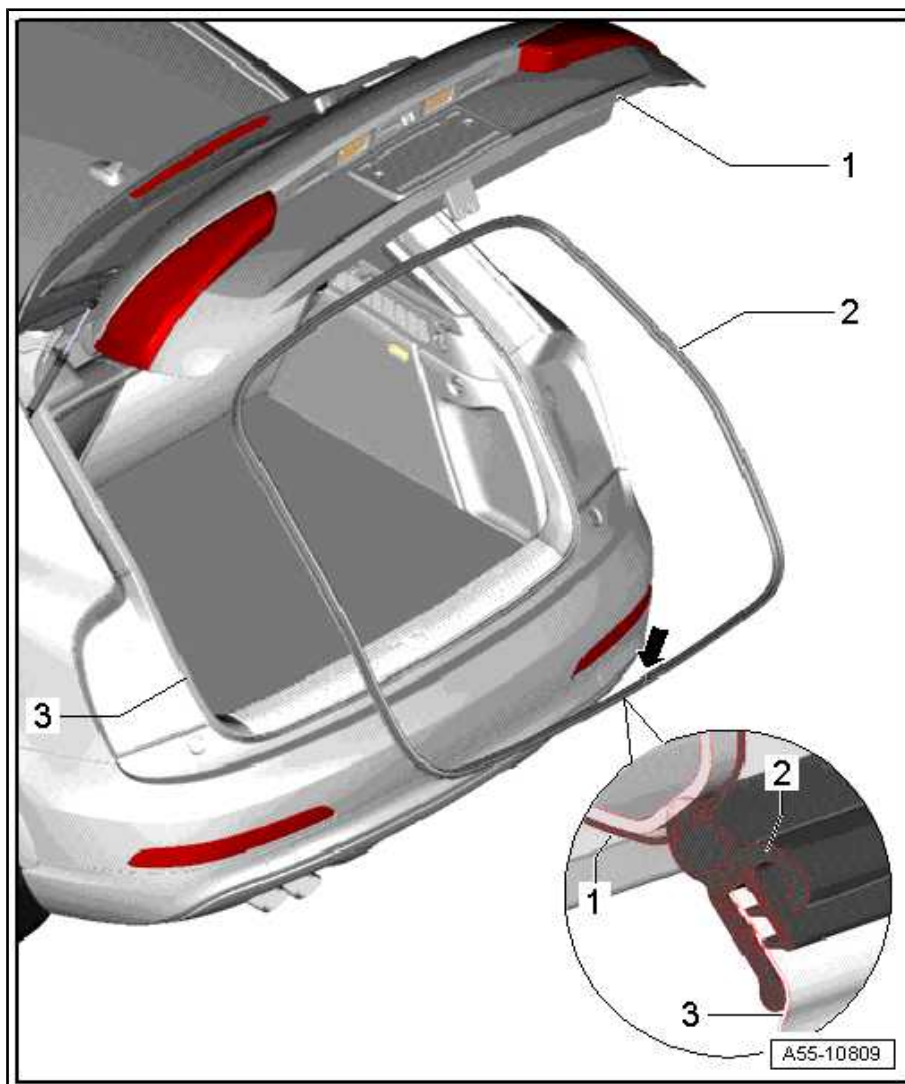
2.5 Removing and installing rear lid seal

1 - Rear lid

2 - Rear lid seal

- To remove, pull seal off body flange.
- When installing, align butt joint -arrow- on seal with marking in centre of vehicle.
- Starting from butt joint, press seal onto body flange all around

3 - Body flange



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2.6 Removing and installing gas strut

1 - Gas strut



Note

- ◆ If gas strut has been removed make sure it is installed in the correct position.
- ◆ Damping element must be engaged at rear lid end.

- ☐ When removing, open and prop up rear lid.
- ☐ Use screwdriver to lift retaining spring -2- as shown and detach gas strut -1- from ball-head pin -3- (top).

2 - Rear lid

3 - Ball-head pin

- ☐ 21 Nm

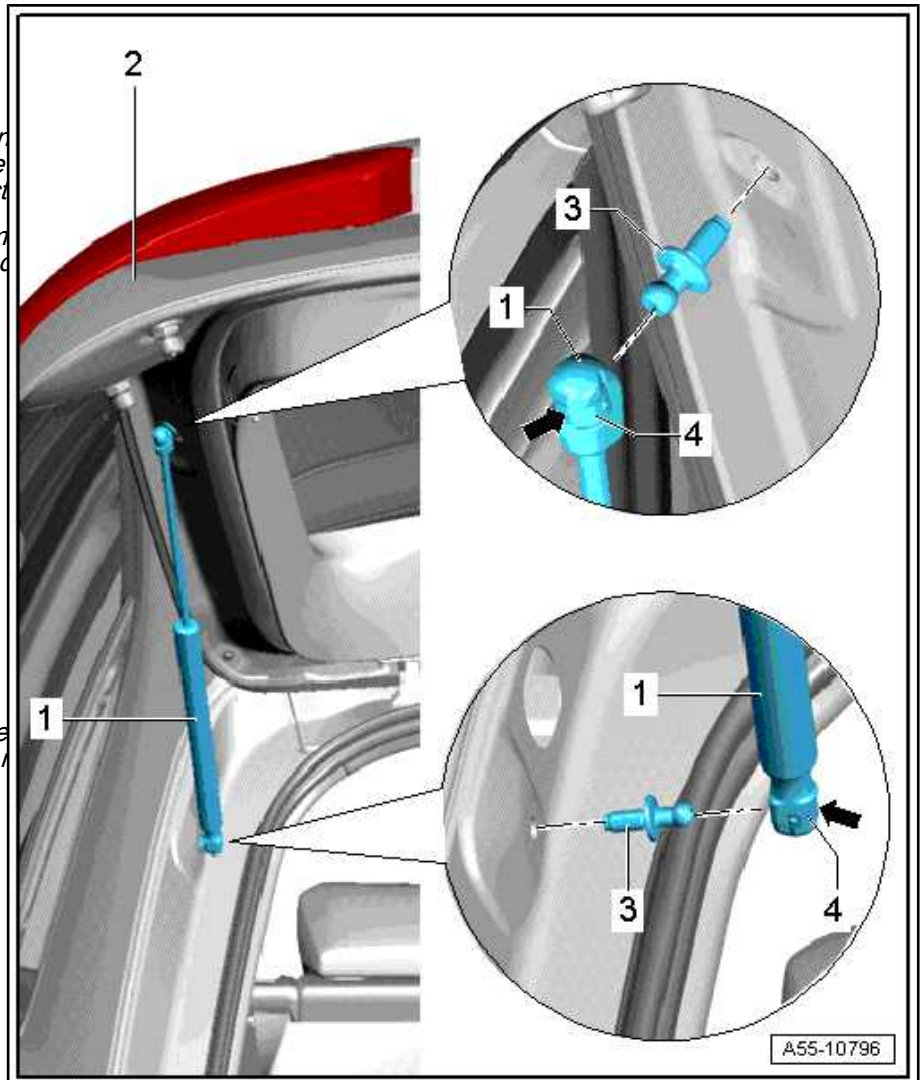


Note

If ball-head pin has been removed or adjusted, it must be re-adjusted.

4 - Retaining clip

- ☐ To remove gas strut, slightly raise retaining clip -arrow- with small screwdriver
⇒ [page 50](#).



Installing

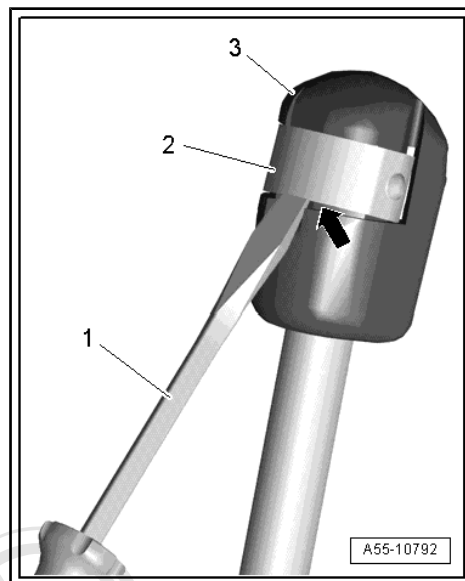
Installation is carried out in reverse order; note the following:

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- To install, press gas struts onto ball-head pins (turn while pressing on).

Releasing retaining clip

- Lift retaining clip -2- with small screwdriver -1- to release gas strut -3-, which can then be detached from ball-head pin.



2.7 Removing and installing rear lid lock

1 - Cover

- ❑ After removing rear lid trim, detach from rear lid lock.

2 - Nut

- ❑ 21 Nm

3 - Cover for rear lid lock

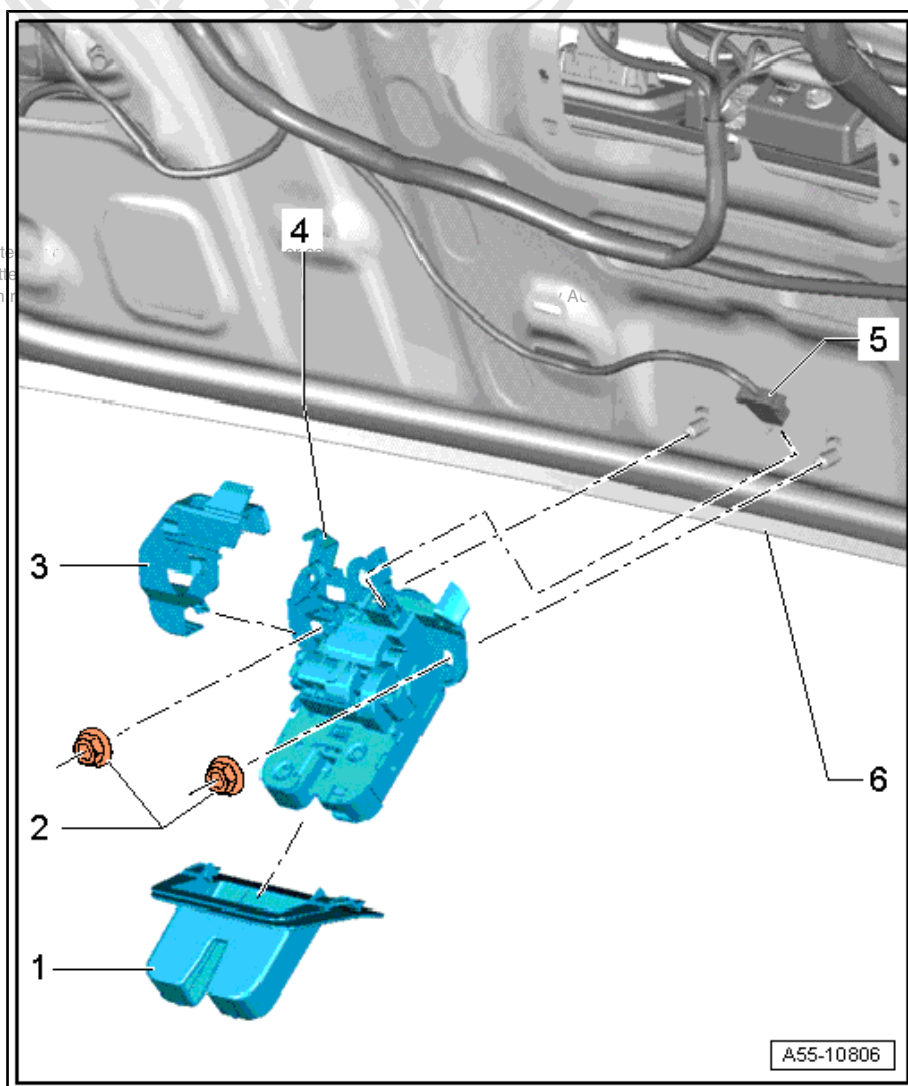
- ❑ Cover should engage audibly in rear lid lock on installation.

4 - Rear lid lock

- ❑ Before removing, detach cover for rear lid lock.
- ❑ Rear lid trim removed ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing rear lid trim (bottom) .
- ❑ Unplug electrical connector.
- ❑ Unscrew nuts and detach rear lid lock.
- ❑ Pull rear lid lock with clip out of centring hole.

5 - Electrical connector

6 - Rear lid



2.8 Removing and installing striker

⇒ [“2.8.1 Removing and installing striker”, page 51](#)

⇒ [“2.8.2 Removing and installing striker - vehicles with rear lid lock unit F256”, page 51](#)

2.8.1 Removing and installing striker

Removing

- Remove lock carrier trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing lock carrier trim .
- Unscrew nuts -1- and -3- and detach striker -2-.

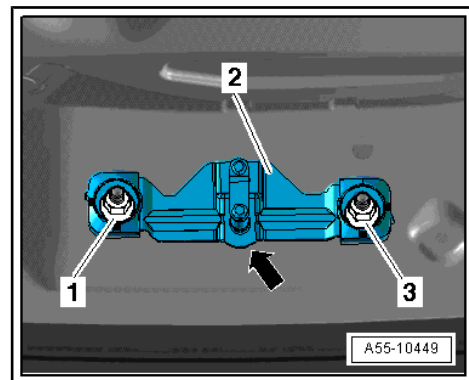
Installing

Install in reverse order of removal; note the following:

- Insert striker, making sure it is positioned correctly.
 - The round side -arrow- of the striker must face upwards.
- Adjust striker ⇒ [“2.3 Adjusting rear lid”, page 42](#) .

Tightening torques

- ◆ ⇒ [“2.1.4 Exploded view - rear lid, motor for rear lid”, page 41](#)



2.8.2 Removing and installing striker - vehicles with rear lid lock unit - F256-

Removing

- Remove lock carrier trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing lock carrier trim .



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- Unscrew nuts -2 and 4- and detach rear lid lock unit -3-.
- Unplug electrical connector -1-.

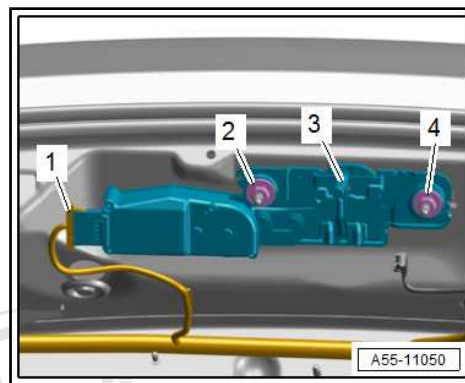
Installing

Install in reverse order of removal; note the following:



Note

- ◆ *The striker must only be installed in the “rear lid closed” position.*
- ◆ *A new striker is always set to the “rear lid closed” position.*
- If the same striker is re-installed, plug in electrical connector at power latching control unit and, with rear lid open, lock rotary latch in rear lid lock using a screwdriver or similar tool.
- The power latching system moves to the “rear lid closed” position = basic setting.
- Unplug electrical connector at power latching control unit.
- Open rear lid lock by pressing release button for rear lid lock cylinder.
- Adjust striker ⇒ [page 44](#)



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Tightening torques

- ◆ ⇒ [“2.1.4 Exploded view - rear lid, motor for rear lid”, page 41](#)

2.9 Removing and installing actuator

⇒ [“2.9.1 Removing and installing motor for rear lid V444 / V445”, page 52](#)

⇒ [“2.9.2 Removing and installing rear lid control unit J605”, page 53](#)

2.9.1 Removing and installing motor for rear lid -V444- / -V445-



WARNING

If the motor 1 for rear lid - V444- or motor 2 for rear lid - V445- has been removed and installed, it has to be adapted via the Guided Functions mode ⇒ Vehicle diagnostic tester.

Removing

- Remove D-pillar trim ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing D-pillar trim .
- If fitted, remove loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .

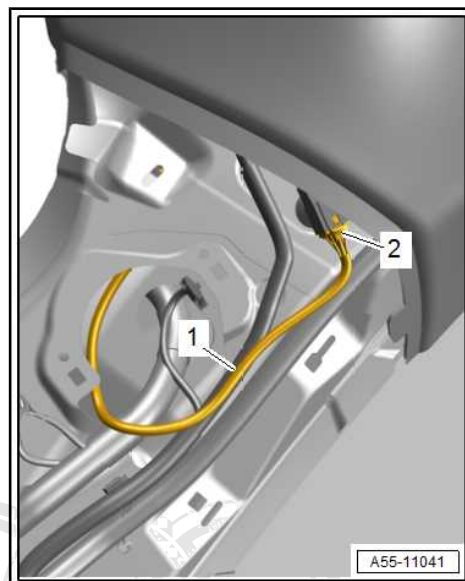
- Unplug electrical connector -2-.
- Move wiring harness -1- clear.



Caution

To prevent injuries and damage to the rear lid and/or body, prop up and secure the rear lid.

- Prop up rear lid.



- Lift retaining clip -1- slightly using a small screwdriver, and pull spindle motor -3- off ball stud -2-.
- Pull grommet -4- off body and guide electrical wiring harness out through opening.

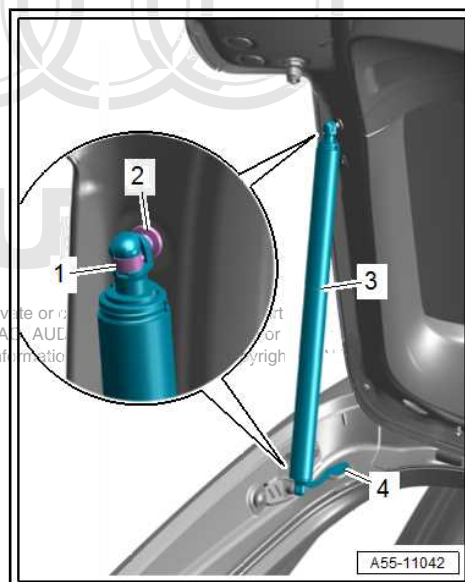
Installing

Install in reverse order, paying attention to the following.



Caution

- ◆ ***Do not hold the drive by its cable during installation.***
- ◆ ***The rear lid must be guided by hand during installation as the drive can be damaged irreparably if the rear lid is not heavy enough.***
- ◆ ***Do not knock the ball sockets on the drive onto the ball studs; instead they must be positioned on the ball studs at an angle and then pressed on by being turned.***

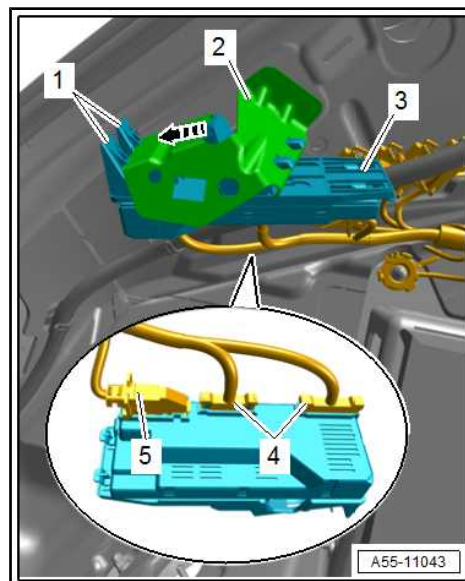


2.9.2 Removing and installing rear lid control unit - J605-

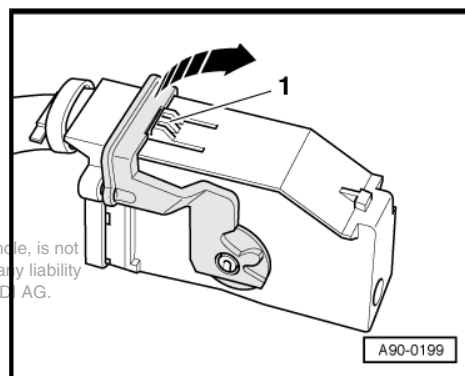
Removing

- Remove luggage compartment side trim (left-side) ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing luggage compartment side trim .

- Release catches -1- and pull bracket -3- out of mounting -2- towards rear -arrow-.
- Unplug electrical connectors -4 and 5-.



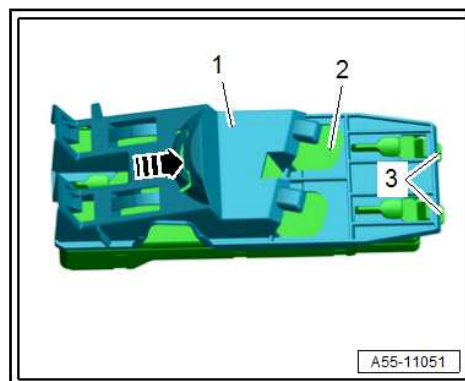
- To unplug electrical connector, press catch -1-, turn retainer in direction of -arrow- and unplug connector.



- Release catches -3- and pull rear lid control unit -2- off bracket -1- in direction of -arrow-.

Installing

Install in reverse order of removal.



3 Tank flap unit

⇒ [“3.1 Exploded view - tank flap unit”, page 55](#)

⇒ [“3.2 Removing and installing tank flap unit”, page 57](#)

3.1 Exploded view - tank flap unit

⇒ [“3.1.1 Exploded view - tank flap unit”, page 55](#)

⇒ [“3.1.2 Exploded view - manual release for tank flap”, page 56](#)

⇒ [“3.1.3 Exploded view - drain hose for tank flap unit”, page 57](#)

3.1.1 Exploded view - tank flap unit

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1 - Drain hose

- ☐ When installing, make sure that component is in correct position
⇒ [page 57](#) .

2 - Cable for manual release

- ☐ Exploded view
⇒ [page 56](#)

3 - Bolts

- ☐ 1.5 Nm

4 - Tank filler flap locking motor - V155-

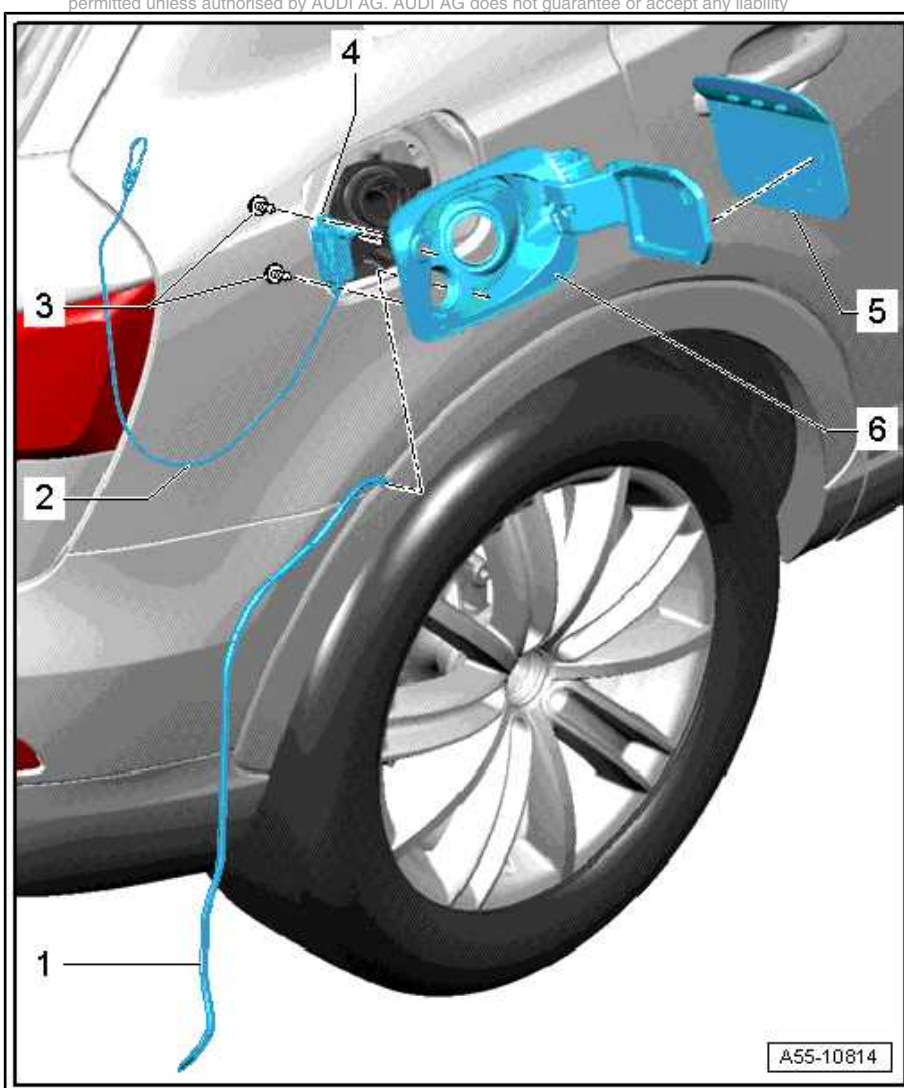
- ☐ Removing and installing
⇒ [page 96](#)

5 - Lid for tank flap

- ☐ Removing and installing
⇒ [page 59](#)

6 - Tank flap unit

- ☐ Must be renewed following removal
- ☐ Removing and installing
⇒ [page 57](#)



3.1.2 Exploded view - manual release for tank flap

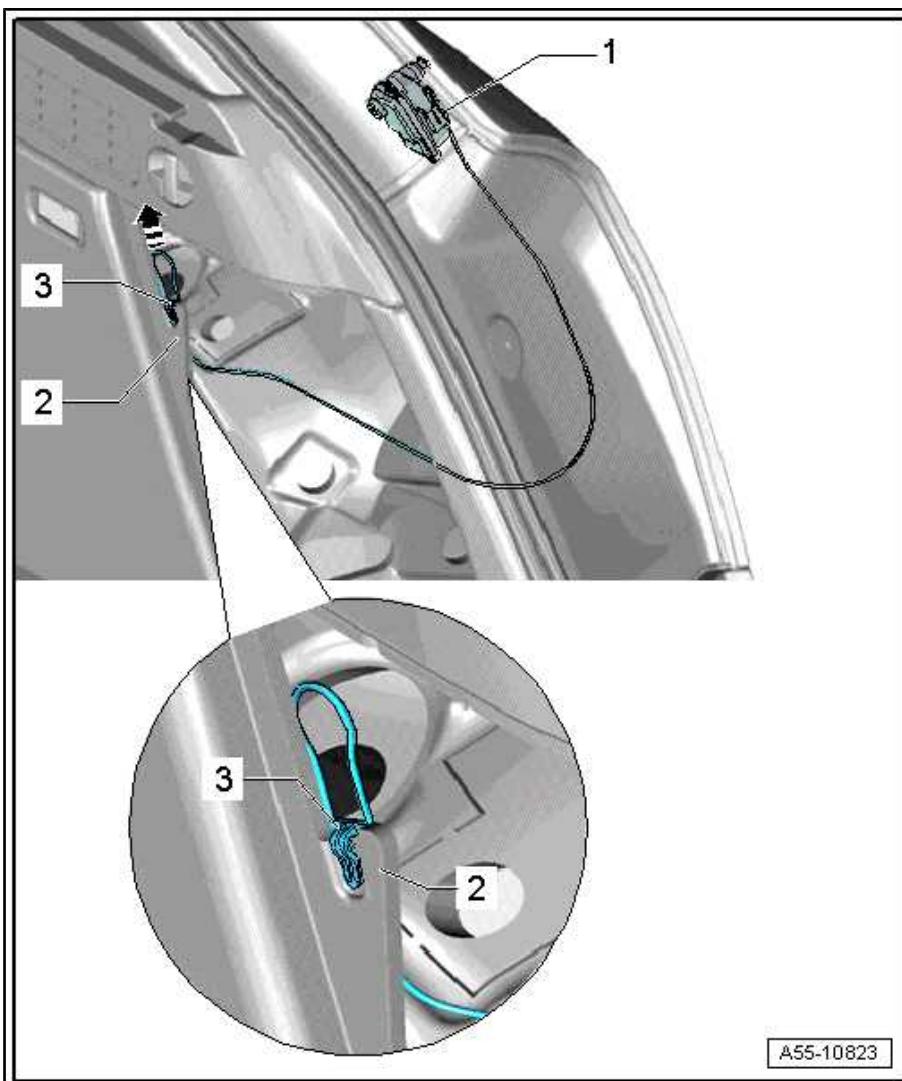
1 - Tank filler flap locking motor - V155-

2 - Side panel

- Attach cable lug as indicated.

3 - Cable for manual release

- ❑ Insert tank filler flap locking motor - V 155- with cable through tank flap opening.
- ❑ Pull cable through towards rear into interior and attach lug of cable to flange on side panel.



3.1.3 Exploded view - drain hose for tank flap unit

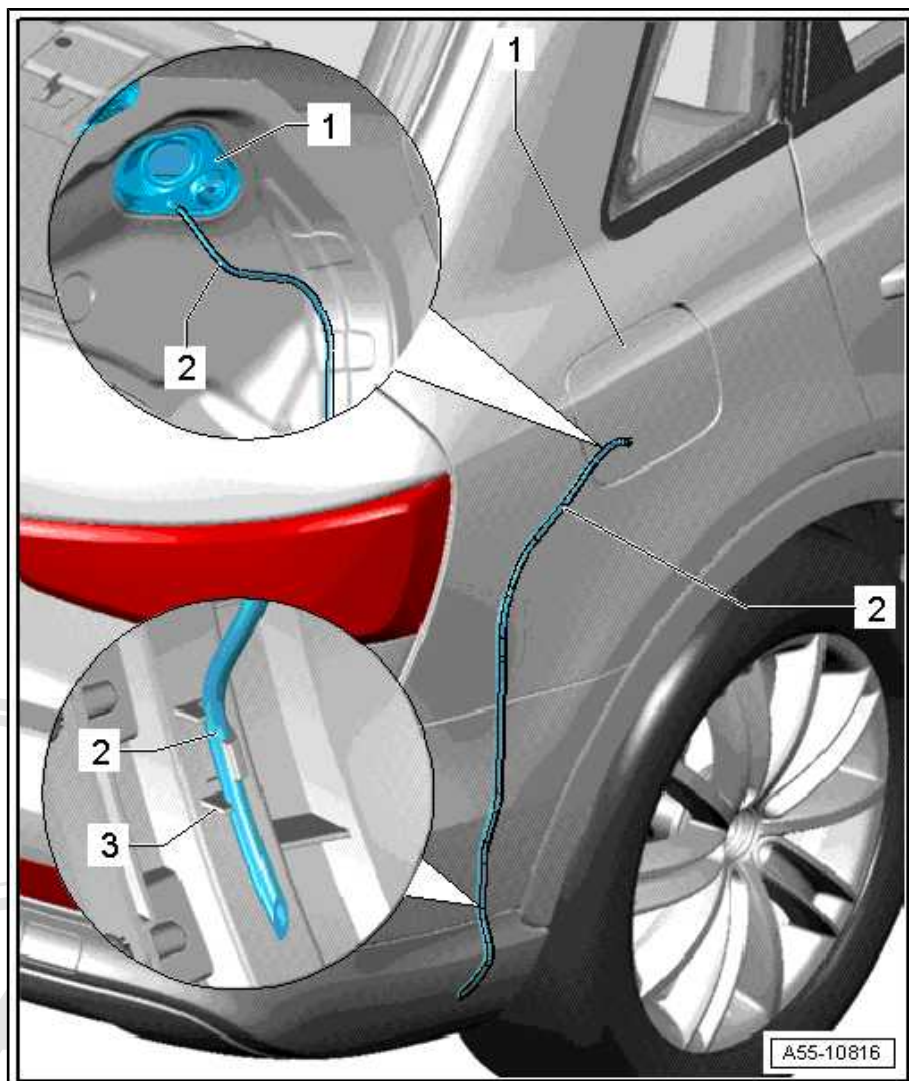
1 - Tank flap

2 - Drain hose

- Route drain hose under wheel housing liner, as shown, and insert into guide.

3 - Guide (rear)

- ☐ Insert drain hose into guide in bottom of bumper, as shown.



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3.2 Removing and installing tank flap unit

⇒ [“3.2.1 Removing and installing tank flap unit”, page 57](#)

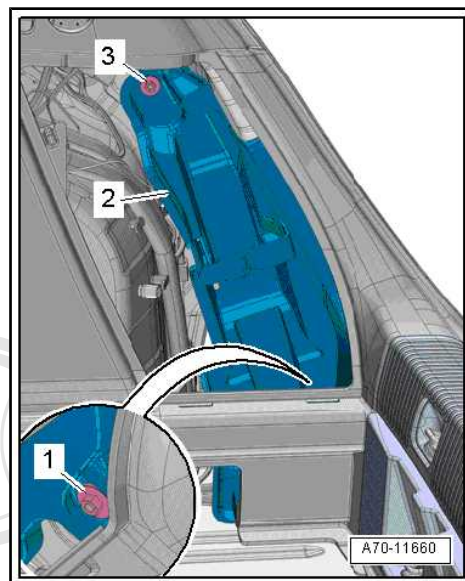
⇒ [“3.2.2 Removing and installing lid for tank flap”, page 59](#)

3.2.1 Removing and installing tank flap unit

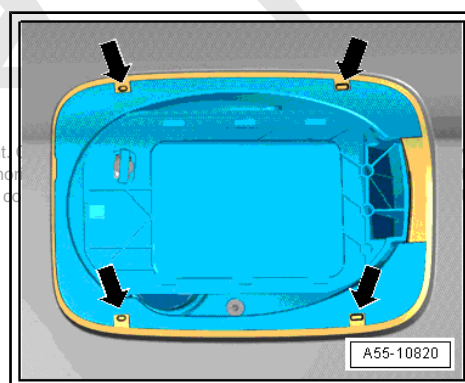
Removing

- Remove cover for luggage compartment side trim (right-side).
- Take vehicle tool kit out of vehicle.

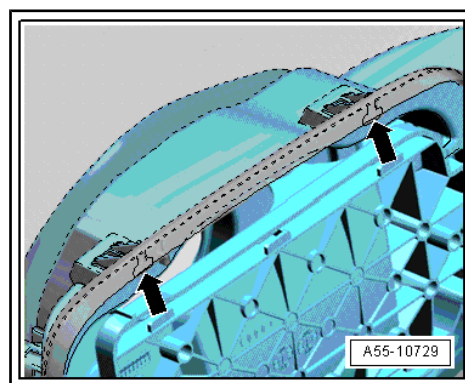
- Remove nuts -1 and 3-.
- Take out mounting -2- for vehicle tool kit.
- Disengage and move clear handle for manual release cable.



- Open tank flap.
- Remove filler cap for filler neck of fuel tank.
- Release tank flap unit at points indicated by -arrows-.



- To do so, insert a small screwdriver through marked locations -arrows- in tank flap unit from below at an angle and past catches.
- Take tank flap unit out of body opening and guide cable for manual release through opening.
- Remove tank filler flap locking motor ➔ [page 96](#) .



Installing

Installation is carried out in the reverse order; note the following:

Note

Tank flap unit must be renewed following removal.

- Guide manual release cable through opening to luggage compartment.
- Insert tank flap at an angle until retaining tabs engage at flange in side panel.

Installation position of tank flap unit

1 - Side panel

2 - Lid for tank flap

- ❑ Adjust distance -A- = 2.2 mm (even distance from side panel).

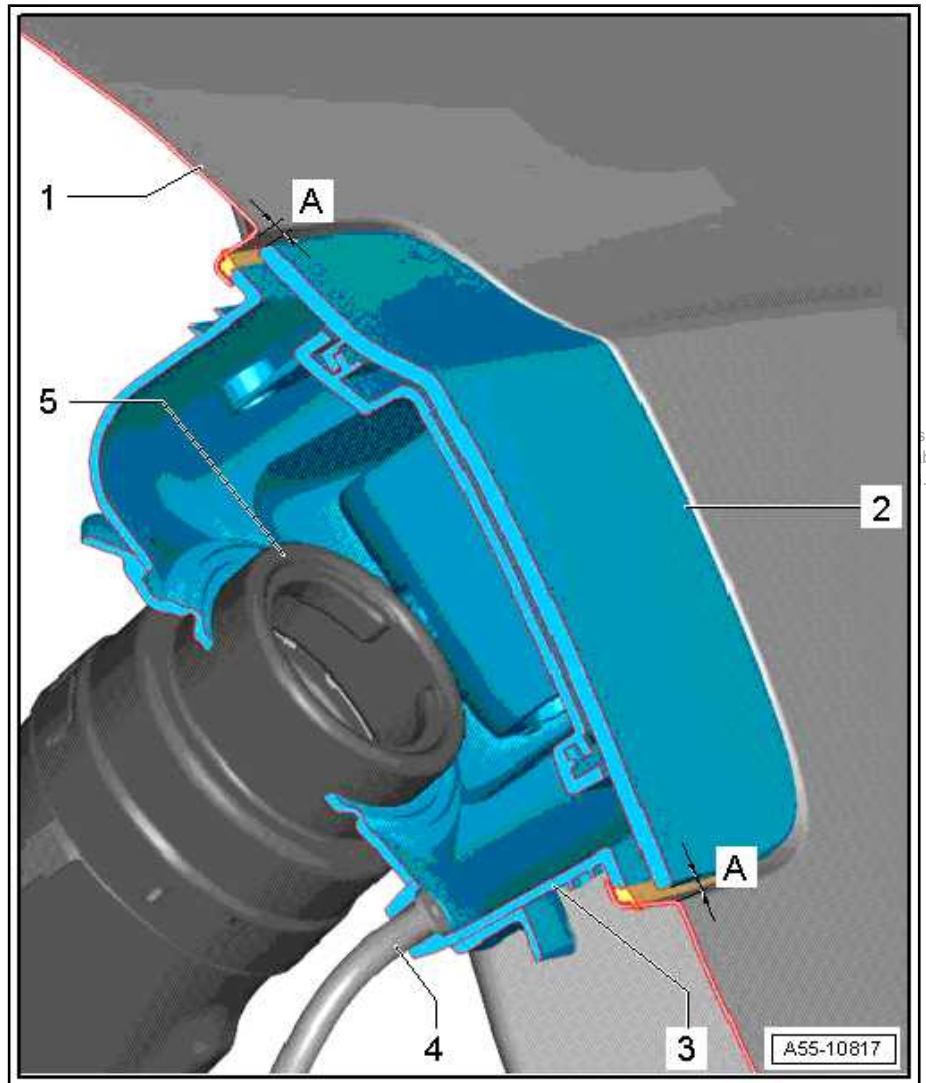
3 - Tank flap

- ❑ Slide onto onto filler neck all around (as shown).

4 - Drain hose

- ❑ Route without kinking

5 - Filler neck



3.2.2 Removing and installing lid for tank flap

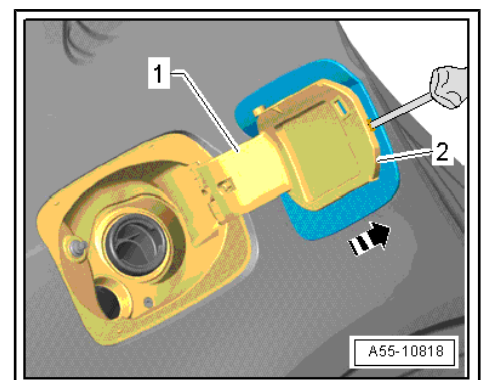
Removing

- Insert a small screwdriver between tank flap -1- and lid -2- as shown to release retainer.
- Pull flap slightly towards rear -arrow- out of retainer.

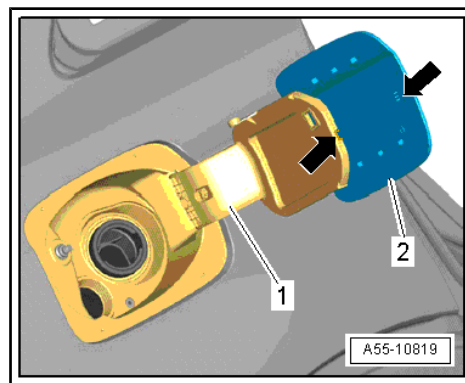
Installing

Installation is carried out in the reverse order; note the following:

- Insert lid into recesses in tank flap.



- Push lid -2- forwards until retainer -arrows- on mounting of tank flap -1- engages.



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57 – Front doors, door components, central locking

1 Door

⇒ ["1.1 Exploded view - door", page 61](#)

⇒ ["1.2 Exploded view - door seals", page 63](#)

⇒ ["1.3 Removing and installing door", page 63](#)

⇒ ["1.4 Adjusting door", page 64](#)

⇒ ["1.5 Adjusting striker", page 68](#)

⇒ ["1.6 Removing and installing door arrester", page 68](#)

⇒ ["1.7 Removing and installing inner door seal", page 69](#)

⇒ ["1.8 Removing and installing outer door seal", page 70](#)

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1.1 Exploded view - door

1 - Door

- ☐ Removing and installing
⇒ [page 63](#)

2 - Bolt

- ☐ 45 Nm



Note

- ◆ The bolt is a so-called self-aligning bolt, therefore it is usually necessary to adjust the door.
- ◆ If it does become necessary to make an adjustment, the bolt can be replaced with a bolt of the same length and class.

3 - Bolt

- ☐ 33 Nm

4 - Door arrester

- ☐ Removing and installing
⇒ [page 68](#)

5 - Cap

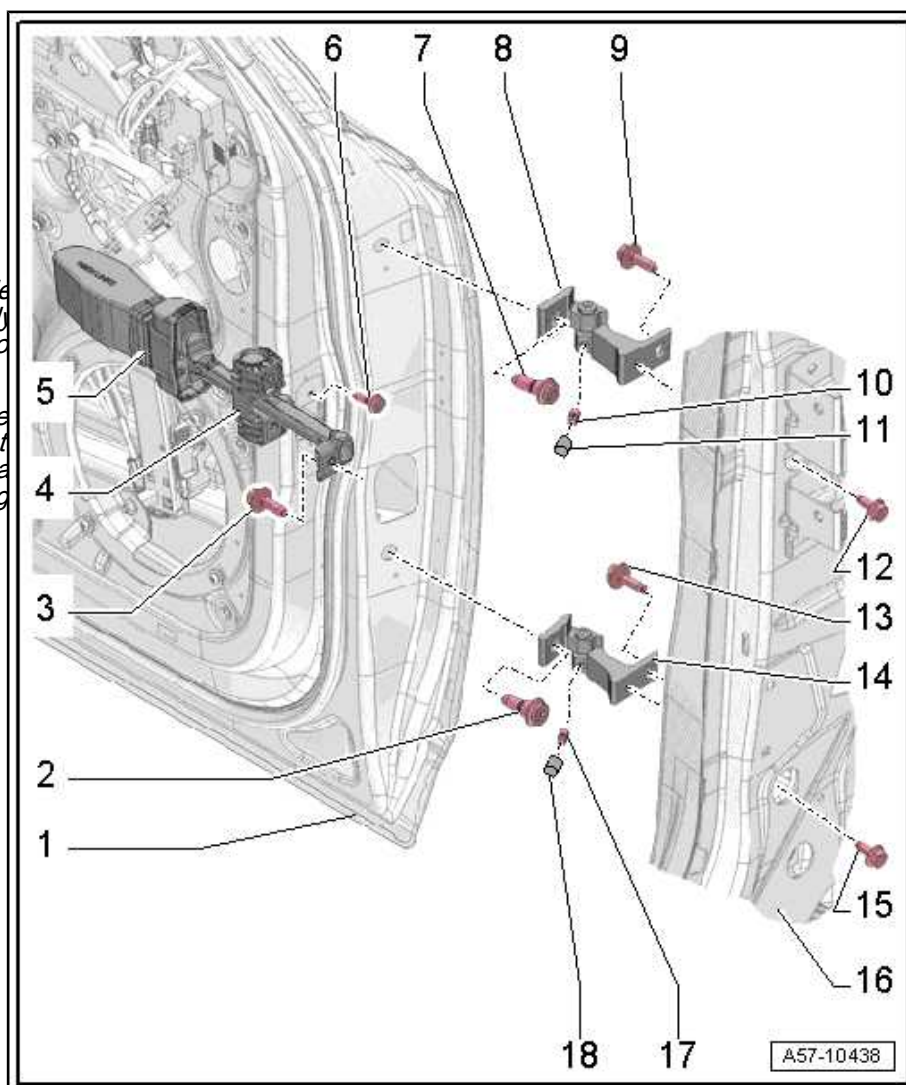
- ☐ For door arrester
- ☐ Note direction of installation

6 - Bolt

- ☐ 2x
- ☐ 8 Nm

7 - Bolt

- ☐ 45 Nm





Note

- ◆ *The bolt is a so-called fitted bolt; therefore it is usually not necessary to adjust the door via this bolt.*
- ◆ *If it does become necessary to make an adjustment via this bolt, the bolt can be replaced with a bolt of the same length and property class.*

8 - Door hinge (top)

9 - Bolt

- ☐ 32 Nm

10 - Stud

- ☐ 23 Nm

11 - Cap

- ☐ Fit onto stud

12 - Bolt

- ☐ 32 Nm

13 - Bolt

- ☐ 32 Nm

14 - Door hinge (bottom)

15 - Bolt

- ☐ 32 Nm

16 - A-pillar

17 - Stud

- ☐ 23 Nm

18 - Cap

- ☐ Fit onto stud



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1.2 Exploded view - door seals

1 - Outer door seal

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

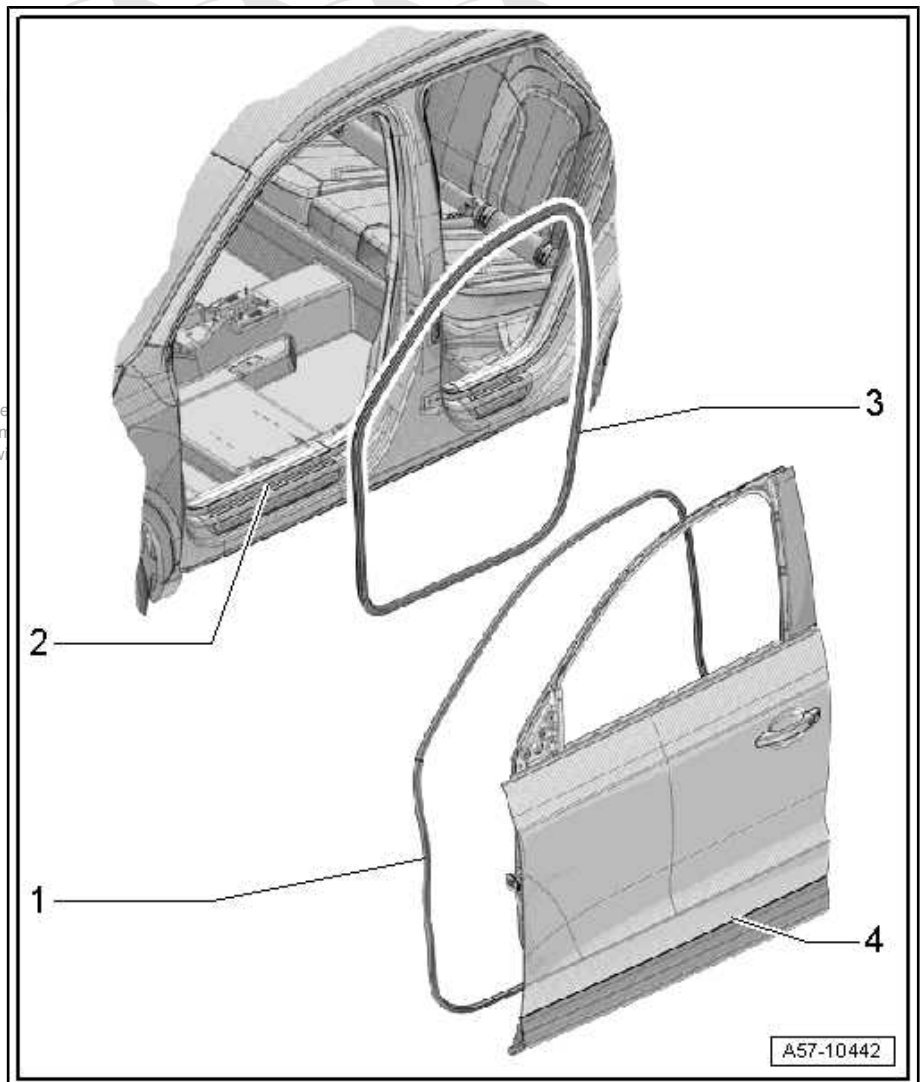
2 - Body

3 - Inner door seal

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

4 - Door

Prote
pern
w



1.3 Removing and installing door

Removing

- Unplug door disconnecter at A-pillar ⇒ Electrical system; Rep. gr. 97 ; Connectors .



Note

Mask A-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

- Unscrew bolt -2- for door arrester.
- Detach caps -1- and -3- from studs.
- Unscrew studs -4- from door hinge (top and bottom).



Caution

Risk of paintwork damage.

- ◆ *Protect paintwork on door or side panel from damage.*

- Carefully lift door off hinges.

Installing

- Gap widths ⇒ [page 66](#)
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 61](#)

Install in reverse order of removal; note the following:



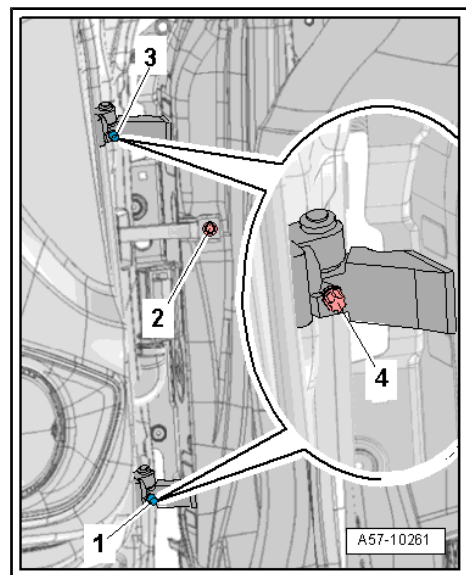
Note

No adjustment has to be performed after the front door has been installed.

1.4 Adjusting door

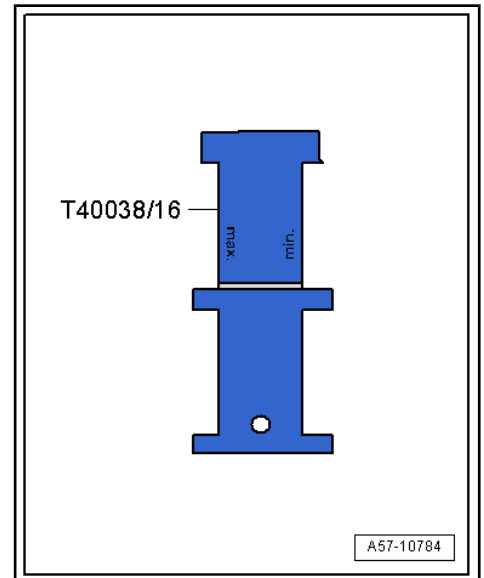
Special tools and workshop equipment required

- ◆ Setting gauge - 3371-



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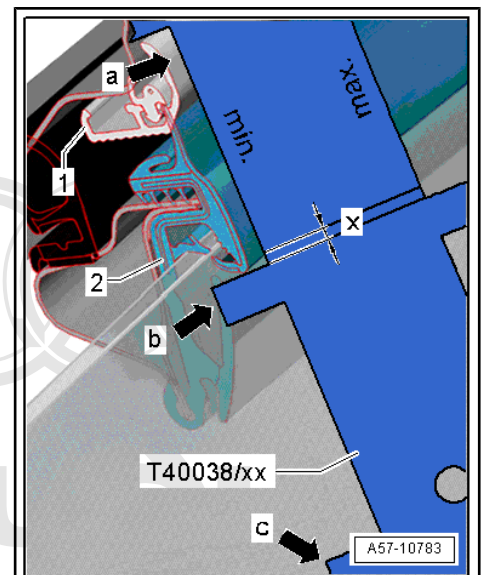
◆ Template - T40038 /16-



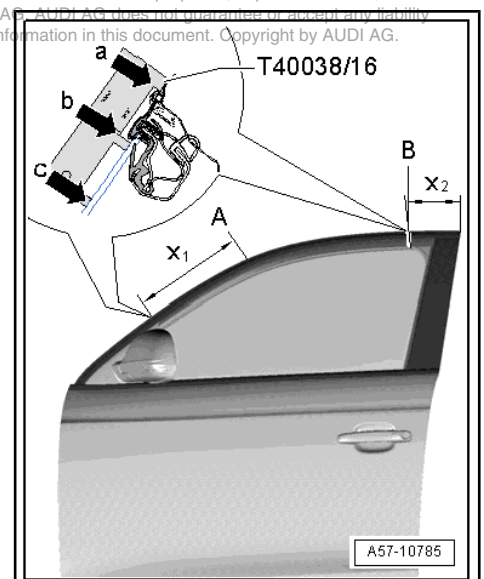
Checking adjustment of height with template - T40038/16-

- Apply side of template with -min.- marking at top at trim strip -1-, as shown.
- Height is correctly adjusted when bottom edge of window guide -2- is within groove (bottom), $x = 2.5$ mm.

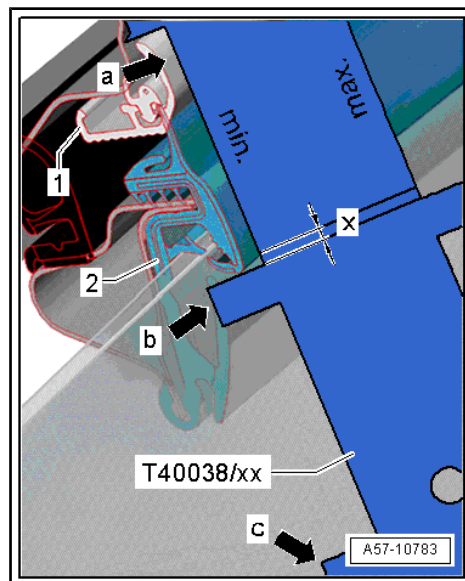
Checking lateral adjustment with template - T40038 /16-



- Position template at distance -x1- = 300 mm at measuring point -A- / at distance -x2- = 150 mm at measuring point -B-.



- Template must make contact with top edge of roof trim strip -1- for »min« adjustment.
- If adjustment is correct, template must make contact at points -b- and -c-.
- A small gap (up to 0.8 mm) is permissible at point -a-.
- Template must make contact with bottom edge of window guide -2- for »max« adjustment.
- If adjustment is correct, template must make contact at points -a- and -c-.
- A gap (up to 1.5 mm) is permissible at point -b-.



Gap widths for front door

A - Front door to wing (front)

- Gap width -a- = 3.5 ± 0.5 mm
- Flush alignment -b- = $0 + 1.0$ mm
- Parallel adjustment = 0.5 mm

-1- Front wing

-2- Front door

❑ Adjusting ➤ [page 64](#)

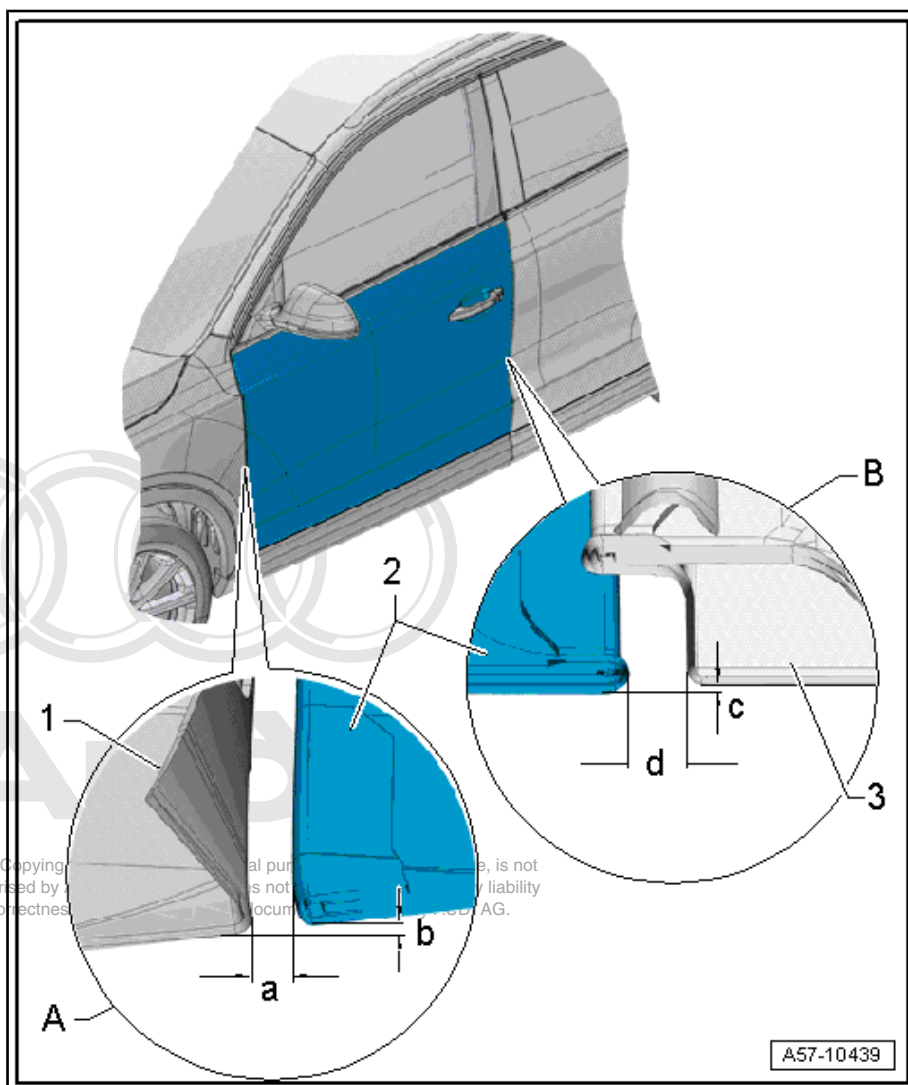
B - Front door to rear door

- Gap width -d- = 4.4 ± 0.5 mm
- Flush alignment -c- = $0 + 1.0$ mm
- Parallel adjustment = 0.5 mm

-2- Door

-3- Rear door

❑ Adjusting ➤ [page 64](#)



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Preparations for adjustment in longitudinal direction and towards centre of vehicle

- Remove sill panel trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing sill panel trim .

Driver side:

- Remove dash panel cover (driver side) ⇒ General body repairs, interior; Rep. gr. 68 ; Shelves / trim panels; Removing and installing dash panel cover (driver side) .
- Remove mounting for control units, relay and fuse holder ⇒ Electrical system; Rep. gr. 97 ; Relay carriers, fuse carriers, electronics boxes; Overview of fitting locations - relay carriers, fuse carriers, electronics boxes .

Passenger side:

- Remove glove box ⇒ General body repairs, interior; Rep. gr. 68 ; Shelves / trim panels; Removing and installing glove box .

Longitudinal adjustment

- Loosen bolts (top and bottom) -arrows B- at hinge and A-pillar -1-.
- Adjust door -2- lengthwise.
- Tighten bolts -arrows B-.
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 61](#)

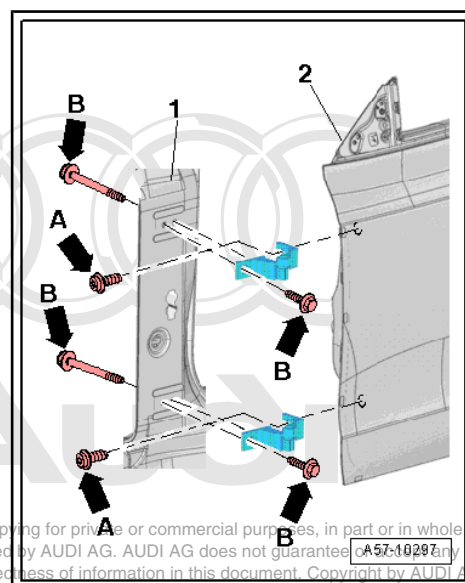
Adjusting the door inwards/outwards



Note

- ◆ Bolt -A- is a so-called fitted bolt; therefore it is usually not necessary to adjust the door via this bolt.
- ◆ If it does become necessary to make an adjustment via this bolt, the bolt can be replaced with a bolt of the same length and property class.

- Loosen bolts (top and bottom) -arrows A- at hinge.
- Adjust door -2- towards centre of vehicle.
- Tighten bolts -arrows A-.
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 61](#)



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1.5 Adjusting striker



Note

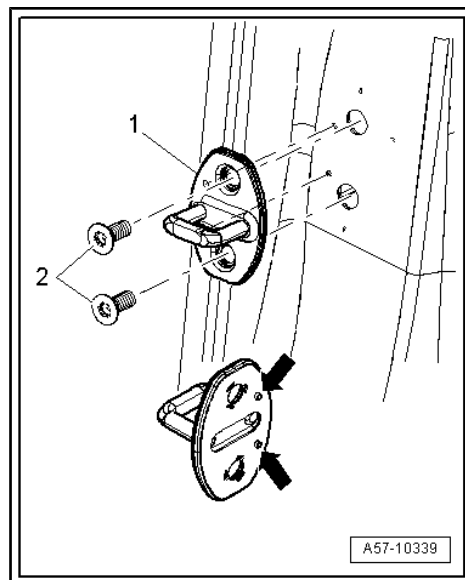
- ♦ The striker shim plate with the pins -arrows- must be positioned exactly in the hole.
- ♦ After adjusting the striker, the pins must be sheared off cleanly.

- Loosen bolts -2-.
- Move striker -1- until door is flush with body contour.



Note

- ♦ The striker is only to be used for adjustment towards the centre of the vehicle.
- ♦ Do not adjust the height of the door via the striker; otherwise the door lock will be damaged.
- If adjustment is correct, striker should engage centrally in door lock.
- Tighten bolts -2-.
- Tightening torque
⇒ ["2.2.2 Exploded view - door handle and door lock \(door lock and striker\)", page 77](#)



1.6 Removing and installing door arrester

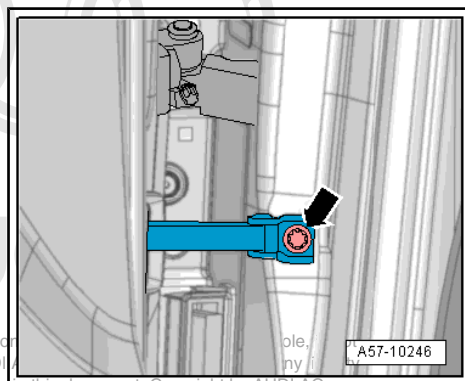
Removing



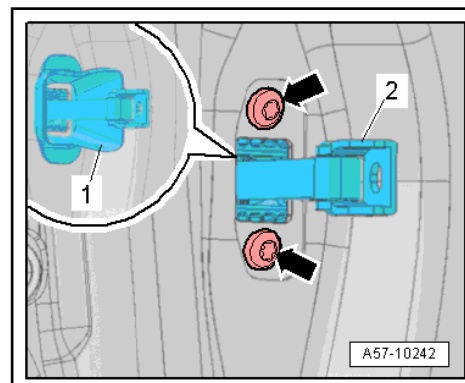
Note

Mask A-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

- Move door window to "closed" position.
- Remove door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .
- Remove lower loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Unscrew bolt -arrow- for door arrester.



- If fitted, detach sealing piece -1- for door arrester from door opening.
- Unscrew bolts -arrows- and take out door arrester -2- inwards.



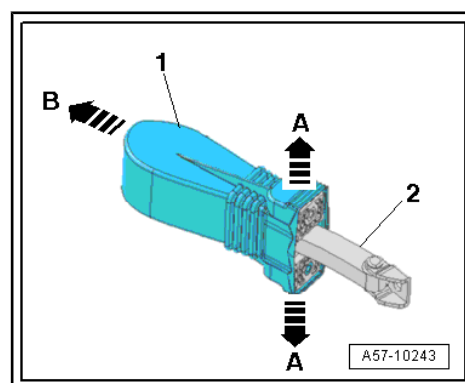
- Pull rubber sleeve -1- on door arrester to the side slightly -arrows A-.
- Detach rubber sleeve from door arrester -2- -arrow B-.

Installing

- Tightening torque ➔ [“1.1 Exploded view - door”, page 61](#)

Install in reverse order of removal; note the following:

- Slide rubber sleeve onto door arrester (make sure rubber sleeve is fitted on correct side).
- Lettering for left or right side must be legible from top.
- Install lower loudspeaker ➔ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Install door trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .



1.7 Removing and installing inner door seal

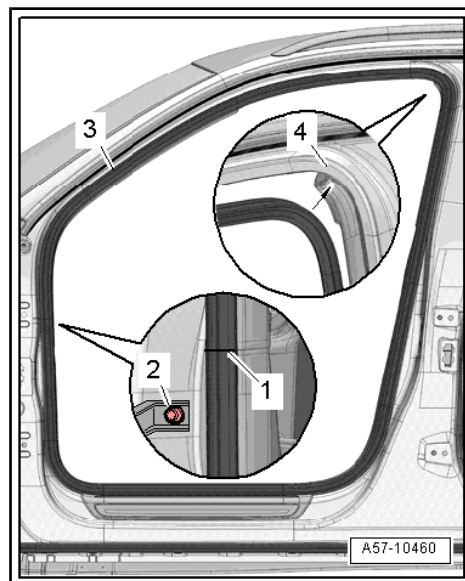
Removing

- Remove A-pillar trim (top) ➔ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing A-pillar trim .
- Remove sill panel trim (front) ➔ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing sill panel trim .
- Remove B-pillar trim (bottom) ➔ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing B-pillar trim .
- Pull inner door seal off body flange.

Installing

Install in reverse order of removal; note the following:

- Position inner door seal moulding -3- on body flange so that vulcanised point -1- is between door hinge (top) and door arrester -2-.
- Position inner door seal moulding on body flange -4- in area of B-pillar (top) -arrow-.
- Position inner door seal moulding all along body flange and press on.
- Install B-pillar trim (bottom) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing B-pillar trim .
- Install sill panel trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing sill panel trim .
- Install A-pillar trim (top) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing A-pillar trim .



1.8 Removing and installing outer door seal

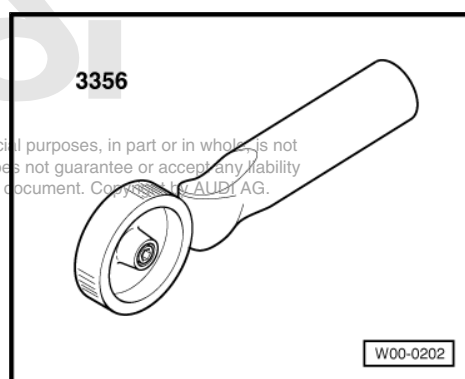


Note

- ◆ *The complete outer door seal is bonded on and can only be renewed.*
- ◆ *The vehicle and the outer door seal must be at room temperature.*
- ◆ *Bonding surfaces must be free of dust and grease (clean with cleaning solution - D 009 401 04-).*
- ◆ *Apply primer - D 355 205 A2- to bonding surfaces on body using applicator - D 009 500 25- and allow to flash off.*
- ◆ *The water drain holes are positioned correctly when they are on the underside of the door.*

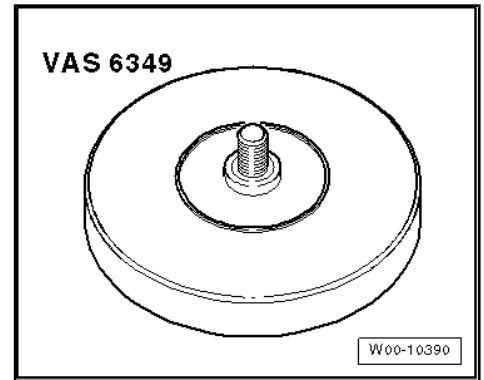
Special tools and workshop equipment required

- ◆ Roller - 3356-



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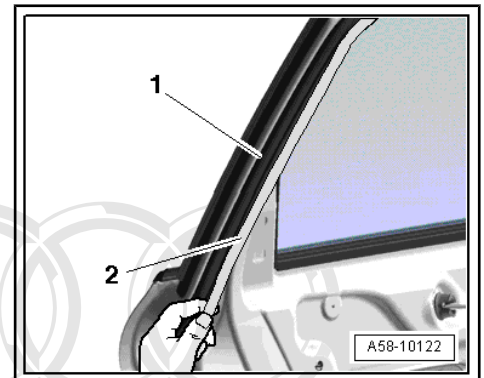
- ◆ Adhesive strip remover - VAS 6349-



- ◆ Cleaning solution - D 009 401 04-

Removing

- Remove window frame trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .
- Mark position of outer door seal -1- at window frame with adhesive tape -2-.



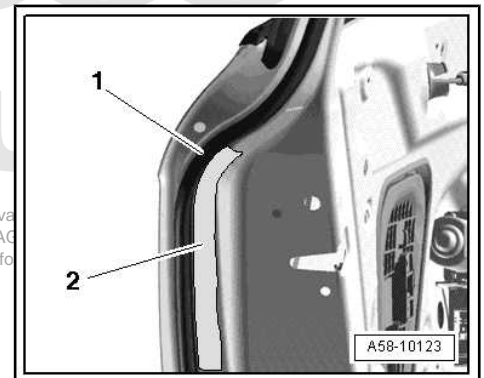
- Mark position of outer door seal -1- in area of door lock with adhesive tape -2-.



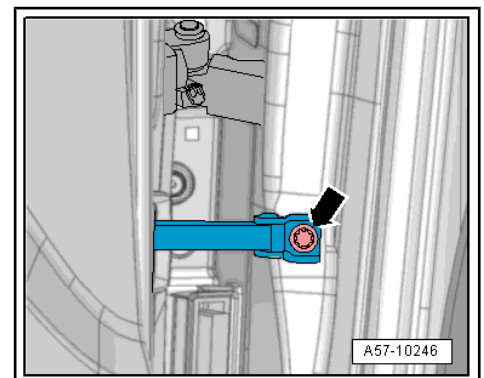
Note

Mask A-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

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- Unscrew bolt -arrow- for door arrester.
- Pull outer door seal slightly off top of door frame and cut through with scissors (commercially available).



- Gradually stretch outer door seal lengthwise -arrow- and detach, as shown in illustration.



Note

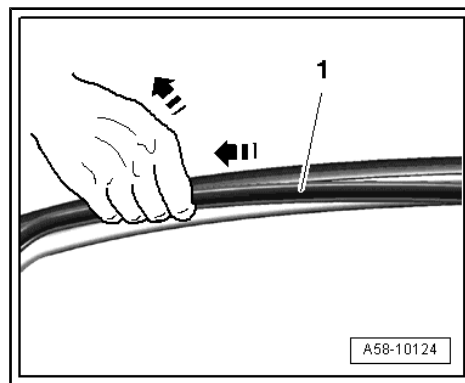
By stretching the outer door seal lengthwise, the adhesive is separated from the door and the seal can be detached from the door without leaving any adhesive.

- Detach outer door seal completely.

Installing

Install in reverse order of removal; note the following:

- Remove any residual adhesive with adhesive strip remover - VAS 6349- .
- Clean bonding surface on door with cleaning solution - D 009 401 04- .
- Apply primer - D 355 205 A2- to bonding surface on door using applicator - D 009 500 25- and allow to flash off.



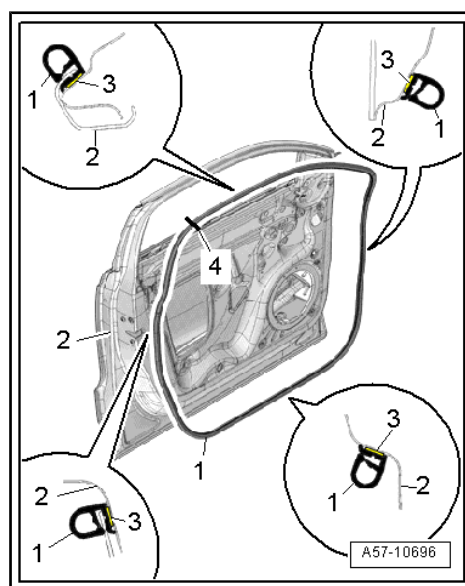
Caution

Risk of damage to door seal.

- ◆ *If flash-off time exceeds three hours, primer - D 355 205 A2- must be applied again.*
- ◆ *The vehicle must be at room temperature.*
- ◆ *When installing, do not stretch seal.*
- ◆ *If the outer door seal is stretched or compressed on the underside, at the B-pillar or at the C-pillar, the seal could become detached.*
- ◆ *To prevent the outer door seal from becoming detached, or misaligned, it is important that the door is not closed for at least two hours.*

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- Mark -4- on outer door seal -1- must be applied at top of door B-pillar -2-.
- When positioned correctly, the drain holes in the outer door seal are located at the bottom on the underside of the seal.
- Peel protective film off adhesive strip -3-.
- Bond on new seal and press on using roller - 3356- .
- Leave vehicle standing at room temperature for at least 2 hours with doors open.
- Install door arrester ➔ [page 68](#) .
- Install window frame trim (front) ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



2 Door components

- ⇒ [“2.1 Exploded view - window regulator”, page 73](#)
- ⇒ [“2.2 Exploded view - door handle and door lock”, page 75](#)
- ⇒ [“2.3 Exploded view - window guides and window slot trim strips”, page 78](#)
- ⇒ [“2.4 Removing and installing window regulator”, page 78](#)
- ⇒ [“2.5 Removing and installing window regulator motor”, page 79](#)
- ⇒ [“2.6 Removing and installing door handle”, page 80](#)
- ⇒ [“2.7 Removing and installing mounting bracket”, page 83](#)
- ⇒ [“2.8 Removing and installing door lock”, page 85](#)
- ⇒ [“2.9 Removing and installing striker”, page 89](#)
- ⇒ [“2.10 Removing and installing inner door cover”, page 89](#)
- ⇒ [“2.11 Removing and installing window guide”, page 90](#)
- ⇒ [“2.12 Removing and installing inner window slot trim strip”, page 91](#)
- ⇒ [“2.13 Removing and installing outer window slot trim strip”, page 92](#)

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2.1 Exploded view - window regulator

1 - Door

2 - Retaining clip

- For cable for window regulator

3 - Centre hex stud (bottom)

4 - Window regulator

- Removing and installing
⇒ [page 78](#)

5 - Centre hex stud (bottom)

6 - Door control unit

- Driver door control unit - J386-
- Front passenger door control unit - J387-
- Exploded view
⇒ [page 94](#)

7 - Bolt

- 3x
- 3.5 Nm

8 - Window regulator motor

- Driver side window regulator motor - V147-
- Front passenger side window regulator motor - V148-
- Removing and installing
⇒ [page 79](#)

9 - Nut

- 6 Nm

10 - Cap

11 - Nut

- 6 Nm

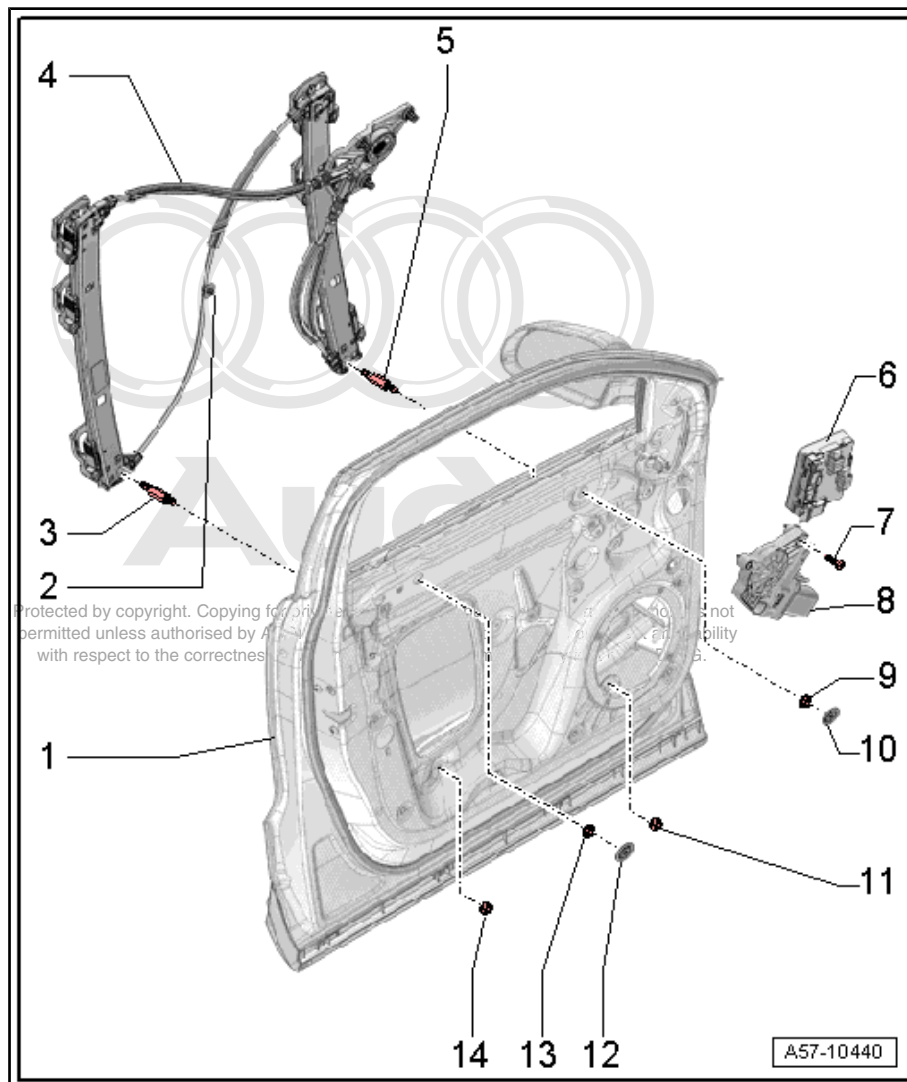
12 - Cap

13 - Nut

- 6 Nm

14 - Nut

- 6 Nm



2.2 Exploded view - door handle and door lock

⇒ ["2.2.1 Exploded view - door handle and door lock \(exterior door handle and mounting bracket\)", page 75](#)

⇒ ["2.2.2 Exploded view - door handle and door lock \(door lock and striker\)", page 77](#)

2.2.1 Exploded view - door handle and door lock (exterior door handle and mounting bracket)

1 - Contact sensor for exterior door handle

- ☐ Depending on equipment version
- ☐ In exterior door handle
- ☐ Contact sensor for front left exterior door handle - G605- , contact sensor for front right exterior door handle - G606-
- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Entry and start authorisation; Exploded view - exterior door handle for keyless entry system

2 - Bolt

- ☐ 2.5 Nm

3 - Backing plate (front)

- ☐ Removing and installing
⇒ ["2.6.3 Removing and installing door handle", page 81](#)

4 - Operating cable

- ☐ For door lock

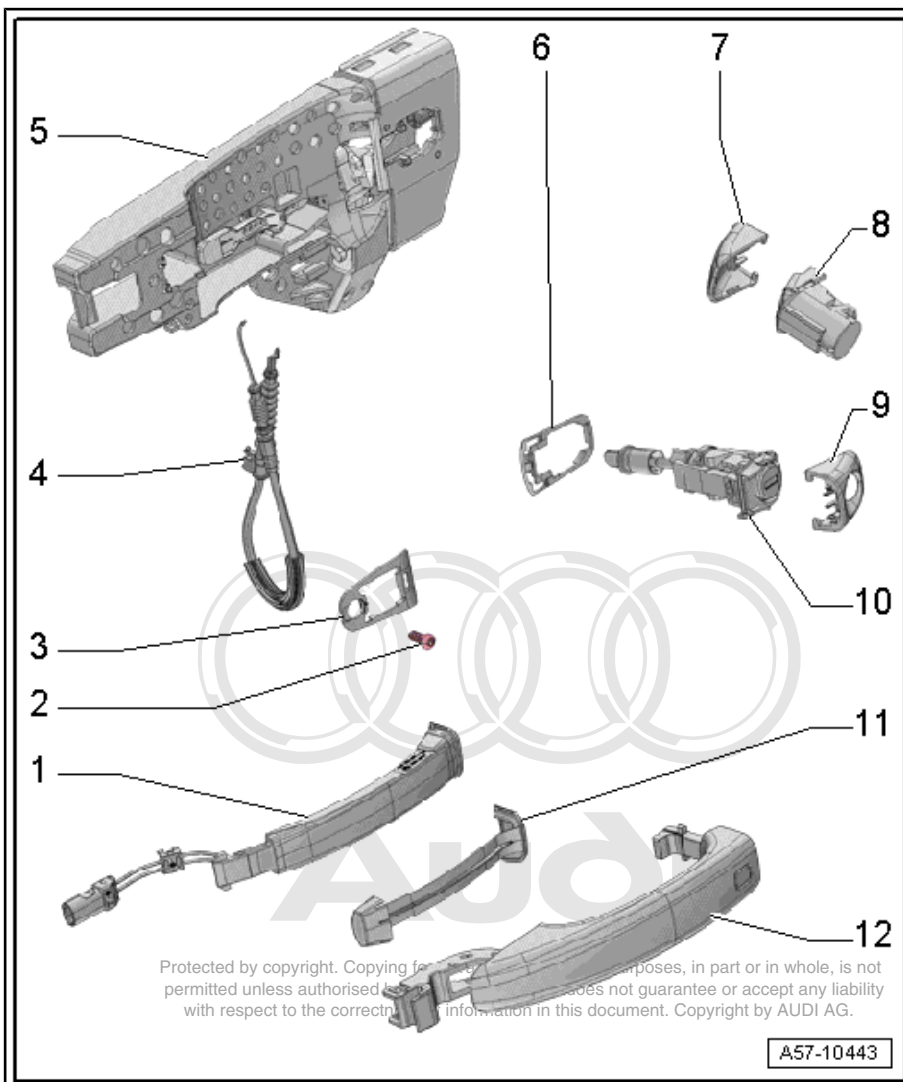


Caution

Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

The operating cable must be engaged in/disengaged from the operating lever on the door with the components removed from the vehicle.



- ☐ Removing and installing ⇒ [page 86](#)

5 - Mounting bracket

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

6 - Backing plate (rear)

- ☐ Removing and installing ⇒ [“2.6.3 Removing and installing door handle”, page 81](#)

7 - Cap (passenger side)

- ☐ Closed design
- ☐ Removing and installing ⇒ [page 81](#)

8 - Housing

- ☐ For front passenger's door
- ☐ Removing and installing ⇒ [“2.6.1 Removing and installing lock cylinder”, page 80](#)

9 - Cap (driver side)

- ☐ For lock cylinder
- ☐ Removing and installing ⇒ [page 81](#)

10 - Lock cylinder

- ☐ For driver's door
- ☐ Removing and installing ⇒ [page 80](#)

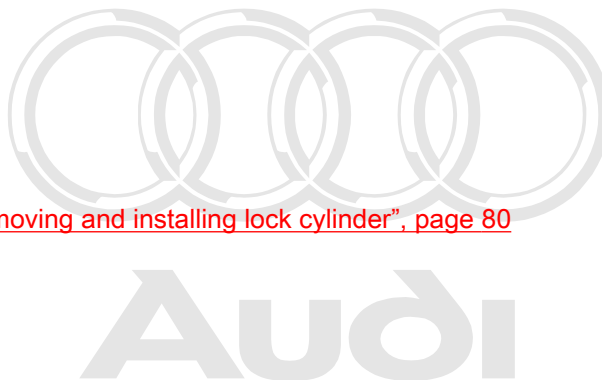
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11 - Trim for exterior door handle

- ☐ Equipment version for vehicles without convenience key
- ☐ Removing and installing ⇒ [page 83](#)

12 - Exterior door handle

- ☐ Removing and installing ⇒ [page 81](#)



2.2.2 Exploded view - door handle and door lock (door lock and striker)

1 - Inner door cover

- ☐ Removing and installing
⇒ [page 89](#)

2 - Operating cable for door opener

- ☐ Removing and installing
⇒ [page 88](#)

3 - Grommet

- ☐ Cannot be renewed separately

4 - Door lock

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

5 - Bolt

- ☐ 2x
- ☐ 19 Nm

6 - Bolt

- ☐ 2x
- ☐ 25 Nm

7 - Striker

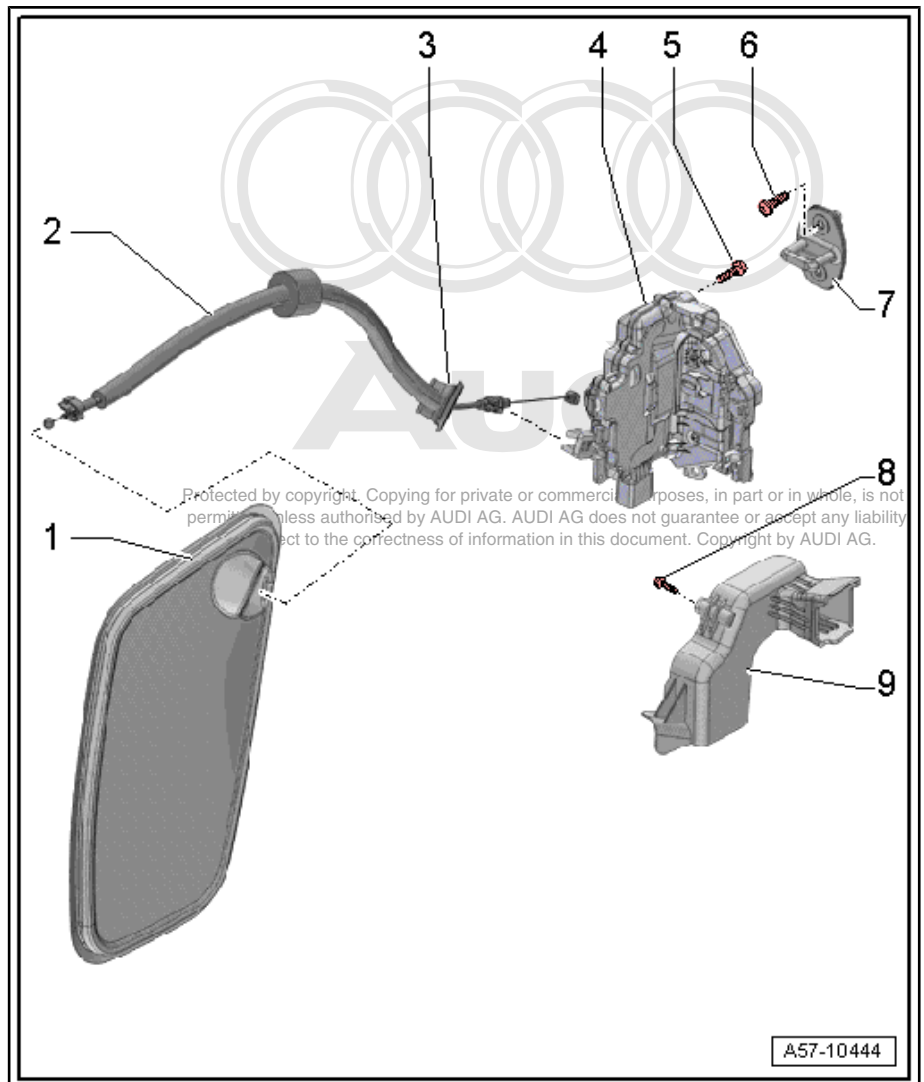
- ☐ Removing and installing
⇒ [page 89](#)

8 - Bolt

- ☐ 1.5 Nm

9 - Guide

- ☐ For lock cylinder
- ☐ Removing and installing
⇒ [page 87](#)



2.3 Exploded view - window guides and window slot trim strips

1 - Door

2 - Outer window slot trim strip

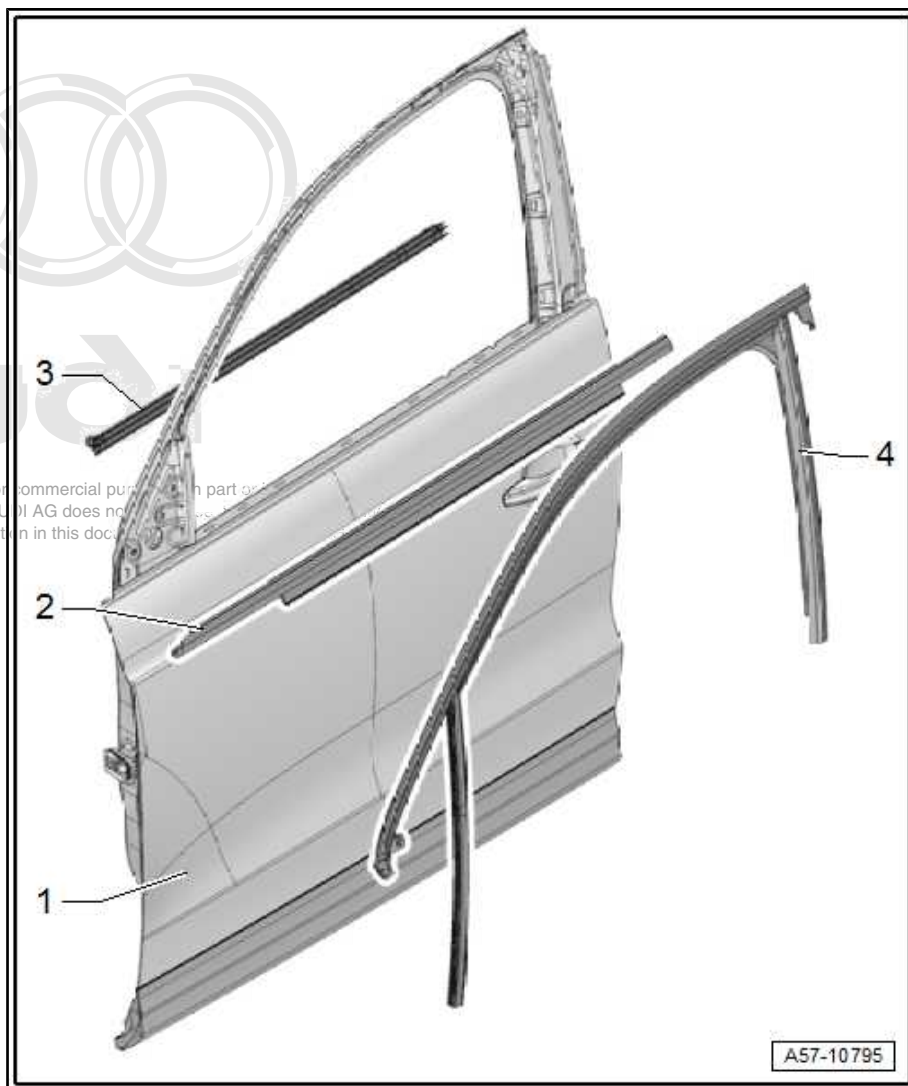
- ❑ Removing and installing
⇒ [page 92](#)

3 - Inner window slot trim strip

- ❑ Removing and installing
⇒ [page 91](#)

4 - Window guide

- ❑ Removing and installing
⇒ [page 90](#)



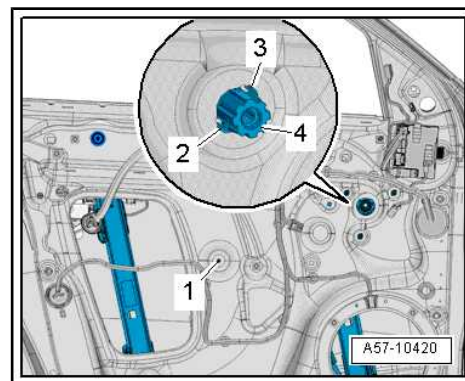
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2.4 Removing and installing window regulator

Removing

- Remove window regulator motor ⇒ [page 79](#) .
- Remove door window ⇒ [page 210](#) .
- Remove bass loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .

- Use an 11 mm socket to release retaining clips -2 and 3- of threaded pins -4- for window regulator (slide socket over threaded pins).
- Unfasten retaining clip -1- for guide for window regulator cable.



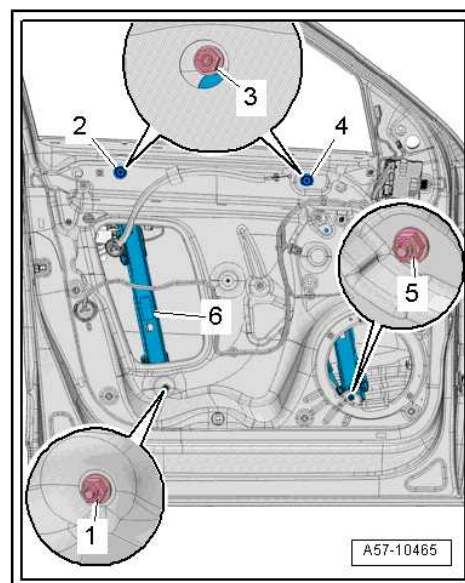
- Take out sealing plugs -2 and 4-.
- Loosen nuts -3- three turns.
- Remove nuts -1 and 5-.
- Take window regulator -6- out of opening towards rear.

Installing

- Tightening torque
⇒ ["2.1 Exploded view - window regulator", page 73](#)

Install in reverse order of removal; note the following:

- **Retaining clips of threaded pins for window regulator must be engaged in inner door panel.**
- Retaining clip for guide for window regulator cable must be clipped into inner door panel.
- Install bass loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Install door window ⇒ [page 210](#) .
- Installing window regulator motor ⇒ [page 79](#) .



2.5 Removing and installing window regulator motor

Removing



Note

The window regulator motor can be removed or installed with the motor or door window in any position.

- Remove door trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .

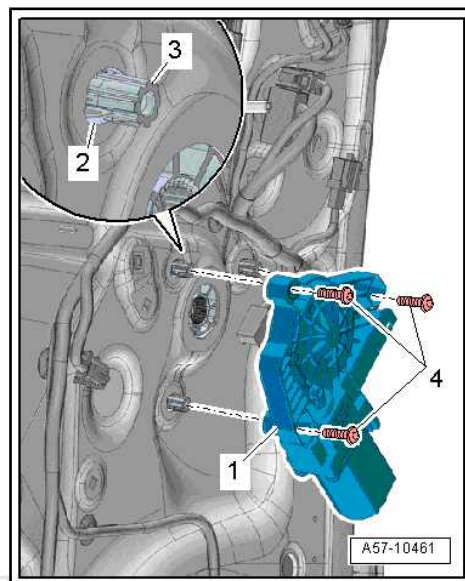
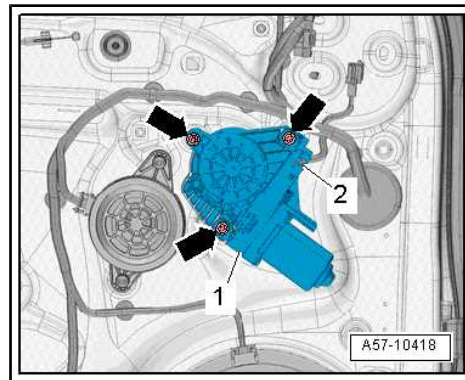
- Unplug electrical connector -2-.
- Unscrew bolts -arrows- and detach window regulator motor -1- from window regulator.

Installing

- Tightening torque
⇒ ["2.1 Exploded view - window regulator", page 73](#)

Install in reverse order of removal; note the following:

- Retaining clips -2- of threaded pins -3- for window regulator must be engaged in inner door panel.
- Slide window regulator motor -1- onto threaded pins and tighten bolts -4-.
- Install door trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .



2.6 Removing and installing door handle

⇒ ["2.6.1 Removing and installing lock cylinder", page 80](#)

⇒ ["2.6.2 Removing and installing cap for lock cylinder/housing", page 81](#)

⇒ ["2.6.3 Removing and installing door handle", page 81](#)

⇒ ["2.6.4 Removing and installing trim for door handle", page 83](#)

2.6.1 Removing and installing lock cylinder

Removing

- Remove sealing plug.

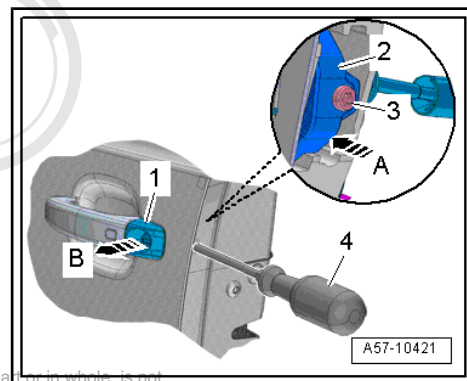
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- Unscrew clamping bolt -3- as far as possible using a screwdriver -4-.
- Push retaining clip -2- for lock cylinder inwards -arrow A-.
- Pull lock cylinder -1- out of mounting bracket -arrow B-.



Note

If the lock cylinder cannot be pulled out, insert the ignition key in the lock cylinder and pull out the lock cylinder with the key turned slightly.



Installing

- Tightening torque
⇒ ["2.2.1 Exploded view - door handle and door lock \(exterior door handle and mounting bracket\)", page 75](#)

Install in reverse order of removal; note the following:

- Push lock cylinder into mounting bracket and then check whether the closing and opening positions for the door lock are actuated.

2.6.2 Removing and installing cap for lock cylinder/housing

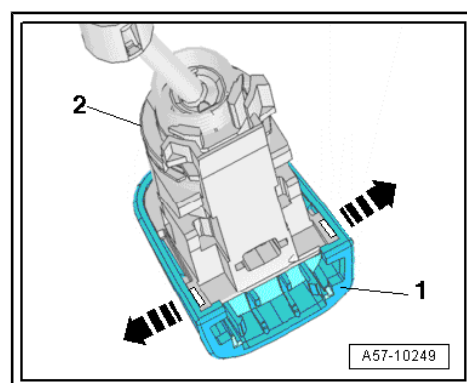
Removing

- Remove lock cylinder/housing ⇒ [page 80](#) .
- Pull retaining clips apart -arrows- and detach cap -1- from lock cylinder/housing -2-, using an awl if necessary.

Installing

Install in reverse order of removal; note the following:

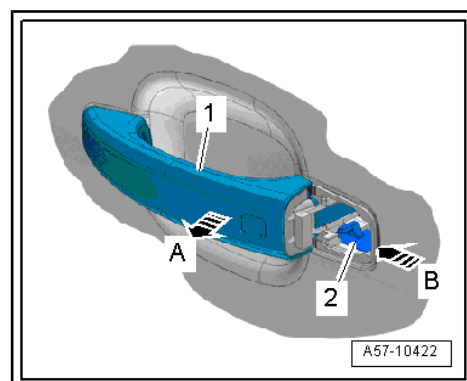
- Press on cap for lock cylinder until it engages audibly.
- Install lock cylinder/housing ⇒ [page 80](#) .



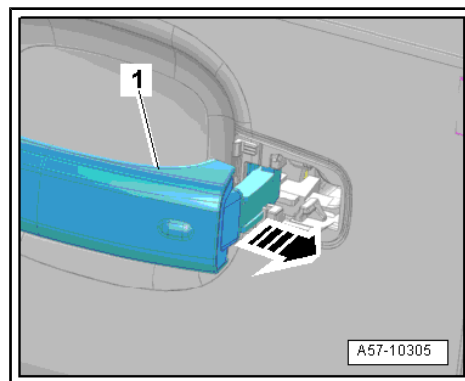
2.6.3 Removing and installing door handle

Removing

- Remove lock cylinder/housing ⇒ [page 80](#) .
- Pull exterior door handle -1- outwards -arrow A- and hold in "open" position.
- Press retaining clip -2- for lock cylinder/housing inwards -arrow B-. Door handle is locked in "open" position.



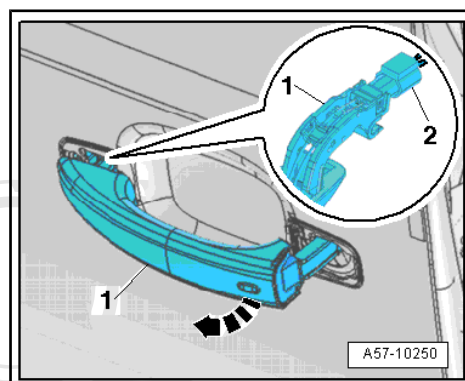
- Pull exterior door handle -1- in direction of -arrow-; exterior door handle will be detached from operating lever in mounting bracket.



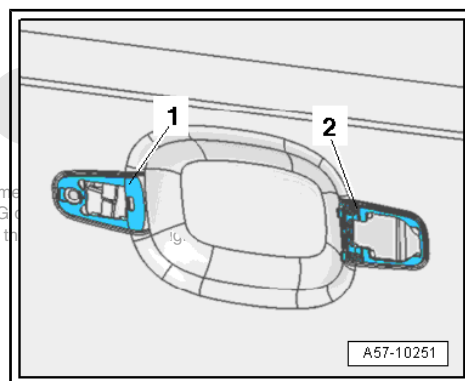
- Swivel exterior door handle -1- outwards -arrow- and take out of mounting on mounting bracket.
- On vehicles with convenience key, unplug electrical connector -2- at exterior door handle.

Installing

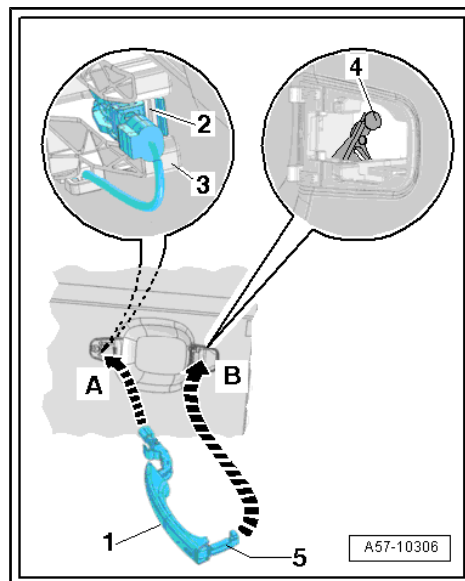
Install in reverse order of removal; note the following:



- Renew backing plates -1- and -2- for door handle if they are damaged or brittle.



- Insert exterior door handle -1- -arrow A-, making sure that exterior door handle engages in mounting -2- on mounting bracket -3-.
- Swivel exterior door handle in direction of -arrow B- and push in »actuator« -5- in front of operating lever -4- in mounting bracket.
- Install lock cylinder/housing ➤ [page 80](#) .



2.6.4 Removing and installing trim for door handle

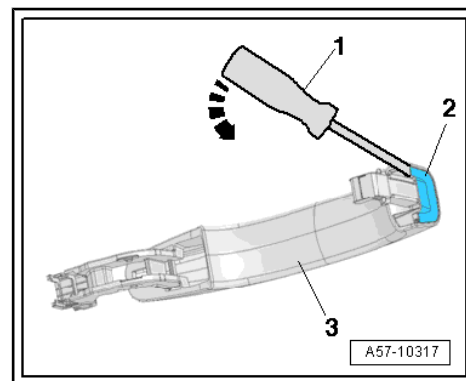
Removing

- Remove exterior door handle ➔ [page 81](#) .
- Prise out trim -2- for exterior door handle using an awl -1- at point indicated in illustration -arrow-.
- Pull trim for exterior door handle out of exterior door handle -3-.

Installing

Install in reverse order of removal; note the following:

- Push in trim for exterior door handle until it engages audibly.
- Install exterior door handle ➔ [page 81](#) .



2.7 Removing and installing mounting bracket



Caution

Risk of malfunctions.

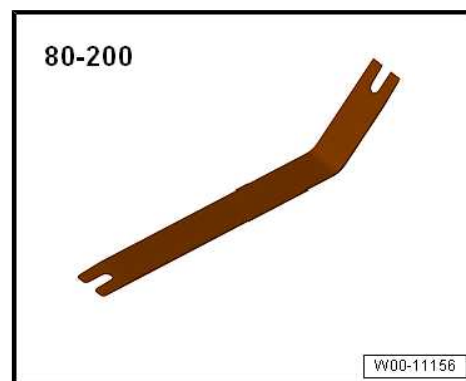
To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the mounting bracket must be removed and installed together with the door lock.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

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Special tools and workshop equipment required

- ◆ Removal lever - 80 - 200-



Removing

- Remove lock cylinder guide ➔ [page 87](#) .
- Unplug electrical connector at door lock.
- Remove door handle ➔ [page 81](#) .

- If fitted, disengage electrical wiring for contact sensor for front exterior door handle from mounting bracket -arrow-.
- Move clear binding clip -1- of electrical wire with removal lever - 80 - 200- .



Note

Use soap solution to aid removal if necessary.

- Unscrew bolt -3- and detach mounting bracket -2-.
- Slide mounting bracket with door lock downwards and take both components out of door.
- Disengage operating cable from operating lever at door lock.

Installing

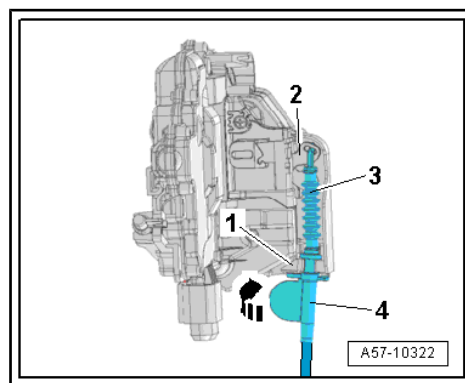
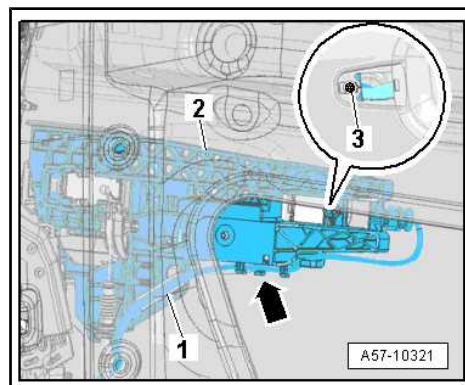
Install in reverse order of removal; note the following:

- Mounting bracket and door lock are still removed.
- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install mounting bracket and door lock in door ➔ [page 85](#) .



Note

- ◆ *On vehicles with convenience key, the wiring harness for the contact sensor for exterior door handle must be routed at the mounting bracket so that it faces the outer door panel.*
- ◆ *If the wiring harness is not routed correctly, this could cause noise when opening and closing the door window as the window would come into contact with the wiring harness.*



2.8 Removing and installing door lock

⇒ [“2.8.1 Removing and installing door lock”, page 85](#)

⇒ [“2.8.2 Removing and installing operating cable for door lock”, page 86](#)

⇒ [“2.8.3 Removing and installing lock cylinder guide”, page 87](#)

⇒ [“2.8.4 Removing and installing operating cable for door opener”, page 88](#)

2.8.1 Removing and installing door lock



Caution

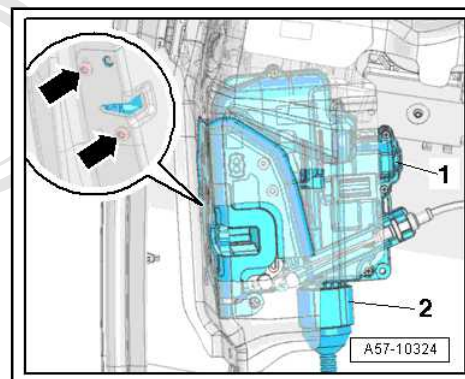
Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

Removing

- Remove lock cylinder guide ⇒ [page 87](#) .
- Unplug electrical connector -2- at door lock -1-.



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- Remove door handle ➔ [page 81](#) .
- If fitted, disengage electrical wiring for contact sensor for front exterior door handle from mounting bracket -arrow-.
- Move clear binding clip -1- of electrical wire with removal lever - 80 - 200- .



Note

Use soap solution to aid removal if necessary.

- Unscrew bolt -3- and detach mounting bracket -2-.
- Slide mounting bracket with door lock downwards and take both components out of door.
- Disengage operating cable from operating lever at door lock.

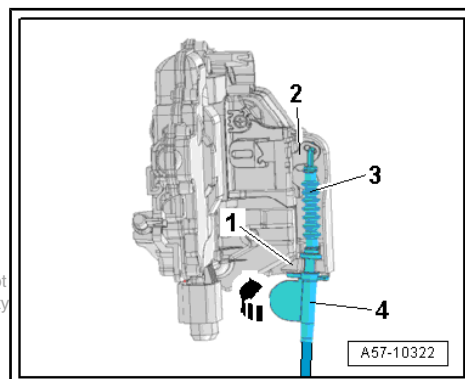
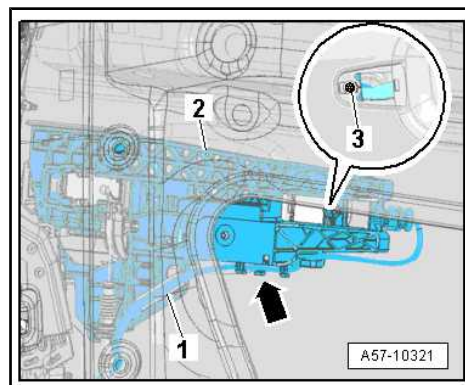
Installing

- Tightening torque
➔ ["2.2.2 Exploded view - door handle and door lock \(door lock and striker\)", page 77](#)

Install in reverse order of removal; note the following:

- Mounting bracket and door lock are still removed.
- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install door handle ➔ [page 81](#) .
- Install lock cylinder guide ➔ [page 87](#) .

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2.8.2 Removing and installing operating cable for door lock



Caution

Risk of malfunctions.

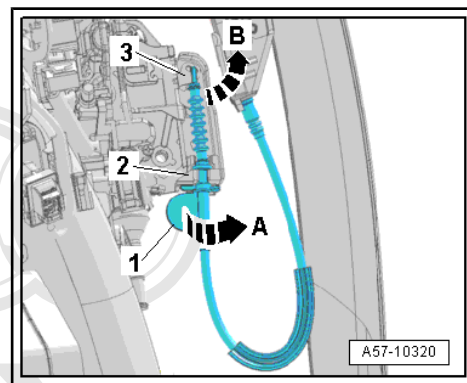
To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

Removing

- Remove mounting bracket and door lock ➔ [page 85](#) .

- Turn operating cable on lever -1- 90° in direction of -arrow A- and take it out of cable support bracket -2-.
- Turn operating cable on operating lever -3- for door lock in direction of -arrow B-.
- The operating cable must be aligned with the opening on the operating lever.

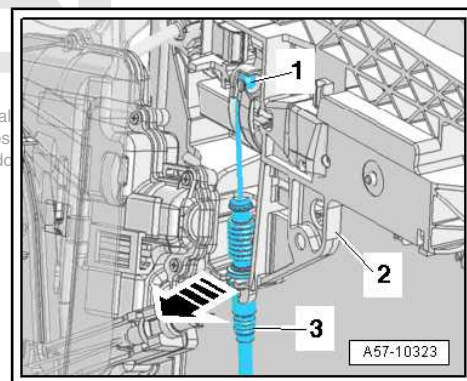


- Disengage operating cable -1- from operating lever by pressing cable support bracket -3- out of mounting on mounting bracket -2- -arrow-.
- Take out operating shaft.

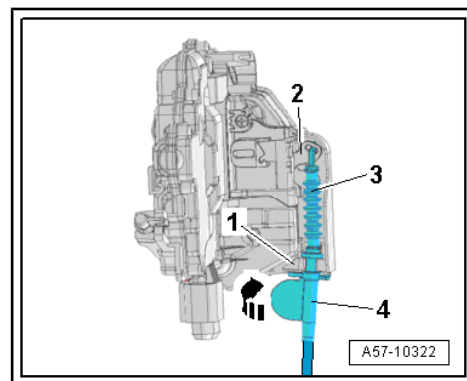
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Installing

Install in reverse order of removal; note the following:



- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install mounting bracket and door lock.



2.8.3 Removing and installing lock cylinder guide

Removing

- Move door window to “closed” position.
- Remove lock cylinder ➔ [page 80](#) .
- Remove door trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .
- Remove inner door cover ➔ [page 89](#) .

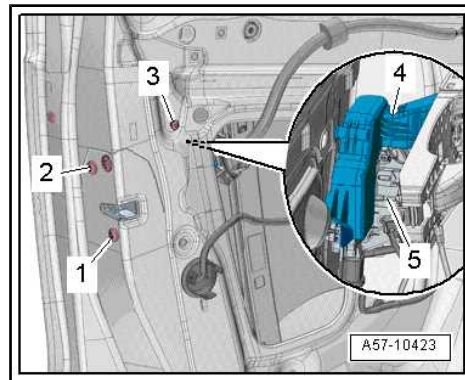
- Remove bolts -1, 2, 3-.
- Take out guide -4-; to do so, press door lock -5- down slightly.

Installing

- Tightening torque
⇒ [“2.2.2 Exploded view - door handle and door lock \(door lock and striker\)”, page 77](#)

Install in reverse order of removal; note the following:

- Install inner door cover ⇒ [page 89](#) .
- Install lock cylinder ⇒ [page 80](#) .



2.8.4 Removing and installing operating cable for door opener

Removing

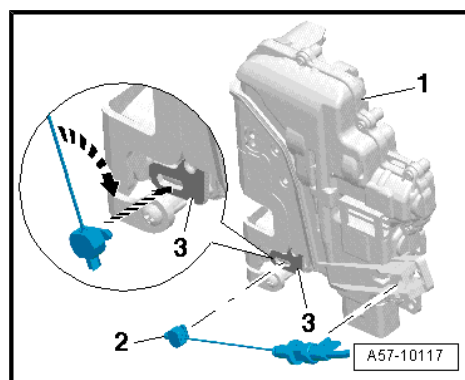
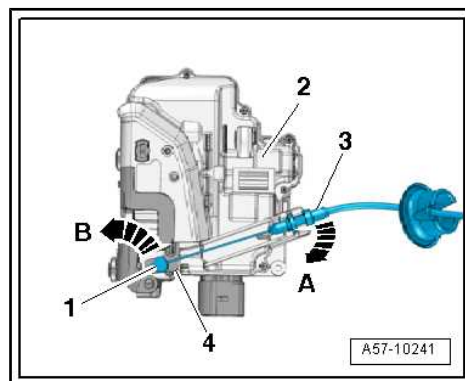
- Remove lock cylinder guide ⇒ [page 87](#) .
- Press door lock to one side and unplug electrical connector if necessary.
- Disengage operating cable -3- from door lock support bracket -2- -arrow A-.
- Turn nipple -1- 90° in direction of -arrow B- and take it out of door opener release lever -4-.

Installing

- Tightening torque
⇒ [“2.2.2 Exploded view - door handle and door lock \(door lock and striker\)”, page 77](#)

Install in reverse order of removal; note the following:

- Insert nipple -2- in door opener release lever -3- -bottom arrow-.
- Turn nipple 90° -top arrow- and press operating cable into cable support bracket on door lock -1- until it engages audibly.
- Install lock cylinder guide ⇒ [page 87](#) .



2.9 Removing and installing striker

Removing

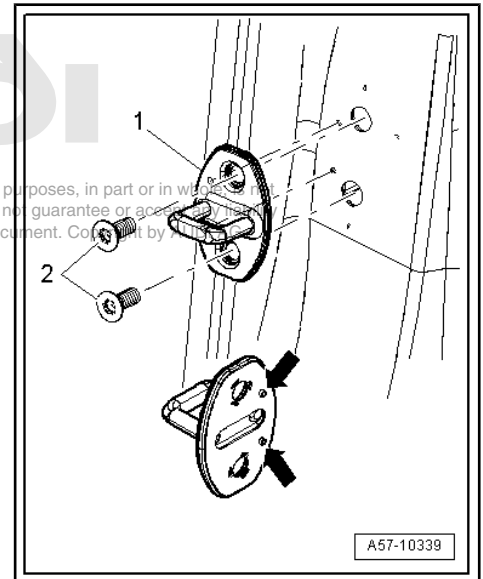
- Unscrew bolts -2- and detach striker -1-.

Installing

- Tightening torque
⇒ ["2.2.2 Exploded view - door handle and door lock \(door lock and striker\)", page 77](#)

Install in reverse order of removal; note the following:

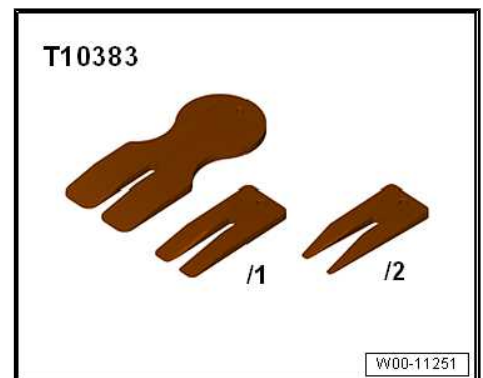
- Adjust striker ⇒ [page 68](#) .



2.10 Removing and installing inner door cover

Special tools and workshop equipment required

- ◆ Wedges - T10383-



Removing

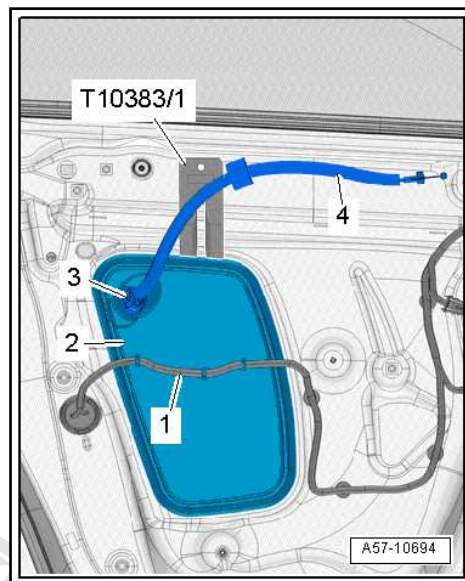
- Remove door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .

- Move electrical wiring harness -1- clear.
- Prise inner door cover -2- off inner door panel with wedge - T10383/1- .
- Disengage grommet -3- for cable -4- for interior door handle from inner door cover.

Installing

Install in reverse order of removal; note the following:

- Press on inner door cover until it engages audibly.
- Inner door cover must be flush.
- Install door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .



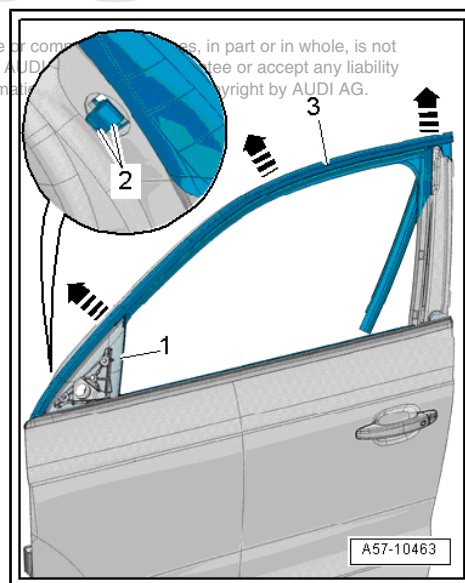
2.11 Removing and installing window guide

Removing

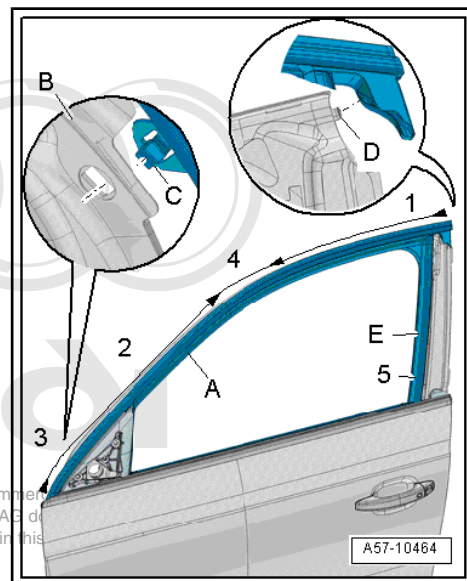
- Remove window frame trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .
- Remove door window ⇒ [page 210](#) .
- Remove mounting for mirror adjustment unit ⇒ [page 271](#) .
- Detach sealing piece -1- for mounting for mirror adjustment unit.
- Release catches -2- and lift off window guide -3- -arrows-.

Installing

Install in reverse order of removal; note the following:



- Fit sections of window guide -A- on door flange in the sequence -1 ... 5-, as shown in illustration.
- Apply corner of window guide (top) to door flange at B-pillar and slide on towards front.
- Guide pin -D- must engage in mounting on window guide.
- Align window guide with guide rail at A-pillar and insert seal in guide rail.
- Press on window guide at front; retaining clip -C- must engage audibly on door flange -B-.
- Press window guide onto door flange.
- Fit trim panel for B-pillar ⇒ [page 243](#) and insert seal -E- in guide rail.
- Install mounting for mirror adjustment unit ⇒ [page 271](#) .
- Install door window ⇒ [page 210](#) .
- Install window frame trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



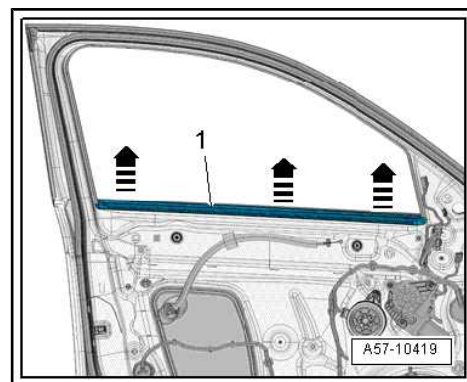
2.12 Removing and installing inner window slot trim strip

Removing

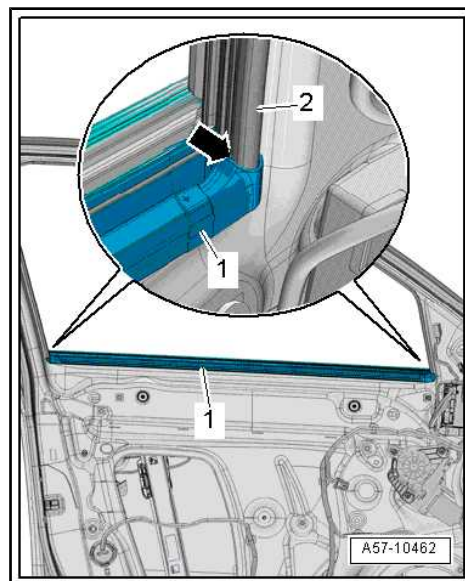
- Remove window frame trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .
- Lift off window slot trim strip -1- -arrows-.

Installing

Install in reverse order of removal; note the following:



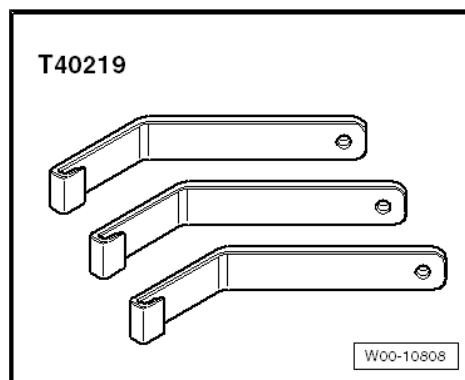
- Position window slot trim strip -1- so it is flush with window guide -2- at both ends -arrow- and press onto door seam, working towards centre.
- Install window frame trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



2.13 Removing and installing outer window slot trim strip

Special tools and workshop equipment required

- ◆ Removal tool - T40219-

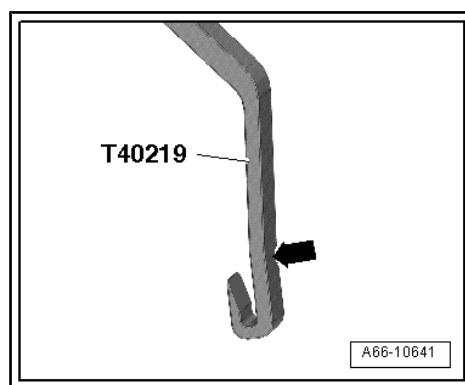


Preparing removal tool - T40219- :

- Before removing window slot trim strip, carefully bend removal tool - T40219- at the point indicated -arrow- so that removal tool can be applied behind retaining strip.

Removing

- Lower door window.
- Remove door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .
- Remove mounting for mirror adjustment unit ⇒ [page 271](#) .
- Remove inner window slot trim strip ⇒ [page 91](#) .



- Insert removal tool - T40219- next to guide -4- for window slot trim strip -3- and apply at retaining strip -2-.
- Front section -1- of removal tool -T40219- must be positioned as shown in illustration.
- Press removal tool - T40219- lightly in direction of -arrow- to release component.
- You should hear the retaining strip disengage.
- Carefully pull window slot trim strip upwards off door flange using removal tool - T40219- .
- Detach window slot trim strip.

Installing

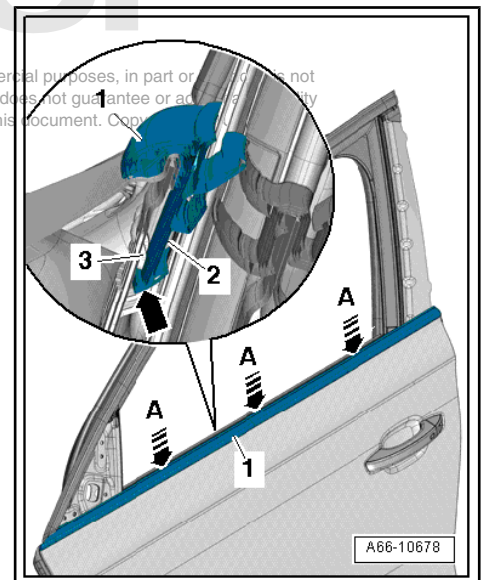
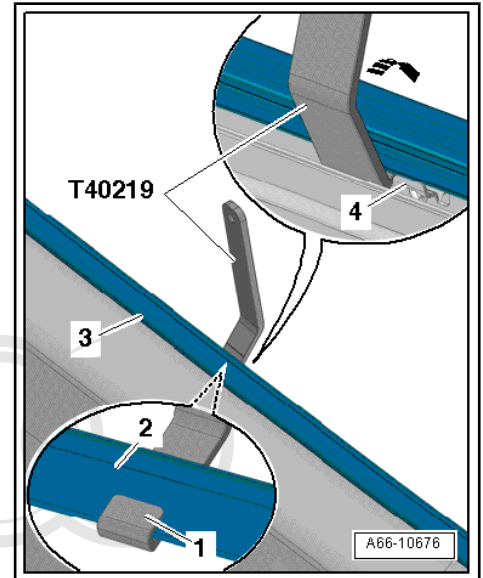
Install in reverse order of removal; note the following:



Note

For installing, you can coat the bottom edge of the window slot trim strip with tyre assembly paste.

- Position window slot trim strip -1- at trim panel for B-pillar on door seam and press on evenly -arrows A-; retaining strip -2- should engage audibly.
- When fixing strip in position -arrow-, retaining strip should engage underneath retaining plate -3-.
- Install inner window slot trim strip ⇒ [page 91](#) .
- Install mounting for mirror adjustment unit ⇒ [page 271](#) .



3 Central locking system

⇒ ["3.1 Overview of fitting locations - central locking system", page 94](#)

⇒ ["3.2 Removing and installing driver door control unit J386 and front passenger door control unit J387", page 95](#)

⇒ ["3.3 Removing and installing rear left door control unit J388 and rear right door control unit J389", page 95](#)

⇒ ["3.4 Removing and installing bonnet contact switch F266", page 96](#)

⇒ ["3.5 Removing and installing tank filler flap locking motor V155", page 96](#)

⇒ ["3.6 Removing and installing interface control unit for vehicle location system J843", page 97](#)

3.1 Overview of fitting locations - central locking system

1 - Bonnet contact switch 2 - F329-

- ☐ In bonnet lock
- ☐ Removing and installing
⇒ [page 96](#)

2 - Front passenger door control unit - J387-

- ☐ Removing and installing
⇒ [page 95](#)

3 - Anti-theft alarm sensor - G578-

- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 96 ; Anti-theft alarm system;
Removing and installing anti-theft alarm sensor G578-

4 - Rear right door control unit - J389-

- ☐ Removing and installing
⇒ [page 95](#)

5 - Tank filler flap locking motor - V155-

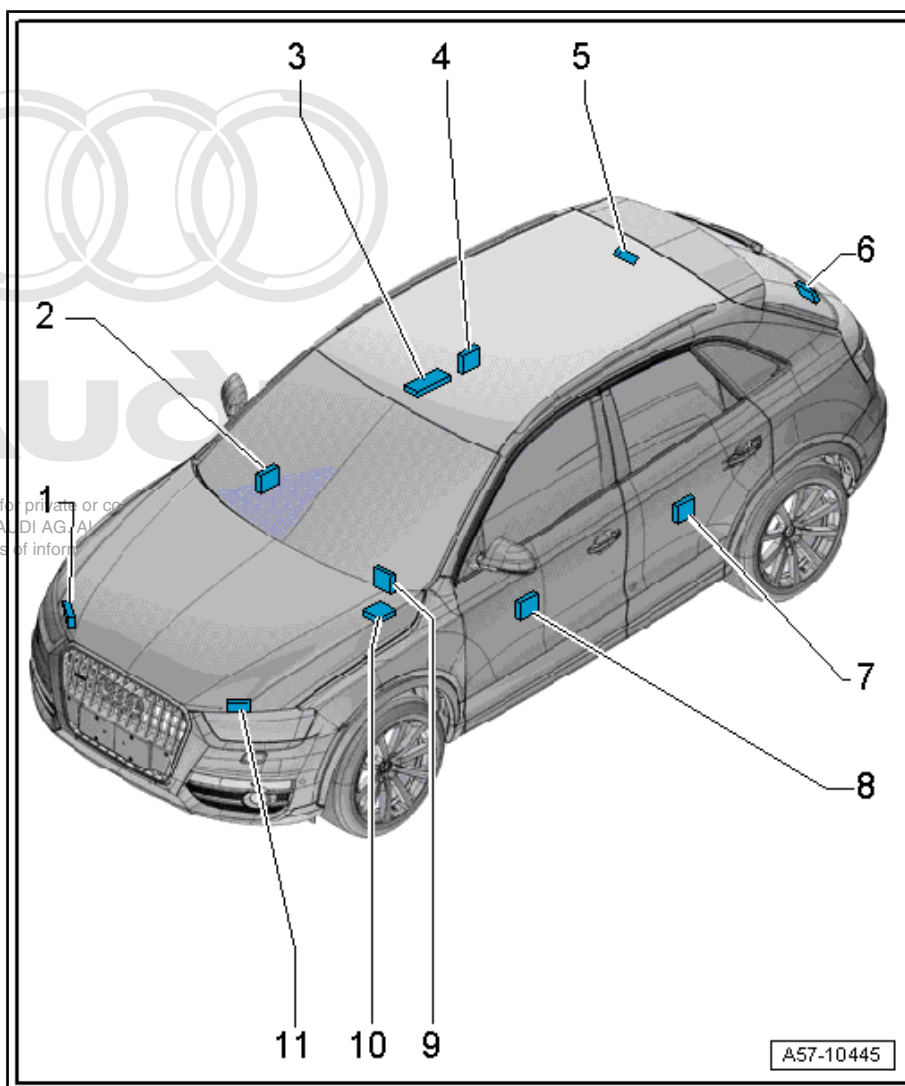
- ☐ Removing and installing
⇒ [page 96](#)

6 - Rear lid lock

- ☐ With rear lid central locking motor - V53- / rear lid contact switch for anti-theft alarm - F123- ; cannot be renewed separately
- ☐ Exploded view
⇒ [page 37](#)

7 - Rear left door control unit - J388-

- ☐ Removing and installing ⇒ [page 95](#)



8 - Driver door control unit - J386-

- ☐ Removing and installing ⇒ [page 95](#)

9 - Interface control unit for vehicle location system - J843-

- ☐ Removing and installing ⇒ [page 97](#)

10 - Onboard supply control unit - J519-

- ☐ Removing and installing ⇒ Electrical system; Rep. gr. 97 ; Control units; Removing and installing onboard supply control unit - J519-

11 - Bonnet contact switch - F266-

- ☐ In bonnet lock
- ☐ Removing and installing ⇒ [page 96](#)

3.2 Removing and installing driver door control unit - J386- and front passenger door control unit - J387-

Removing

- Remove door trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .

- **Unplug electrical connectors 1 and 2-; to do so, pull locking element and press release mechanism downwards.**

- Unplug electrical connector -3-.

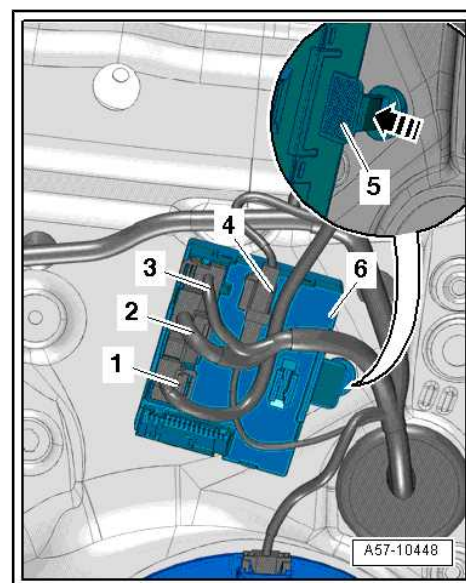
- Unplug electrical connector -4- at door control unit and disengage wiring.

- Press retaining catch -5- in direction of -arrow- and disengage door control unit -6- from door shell.

Installing

Install in reverse order of removal; note the following:

- Install door trim (front) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing door trim (front) .



3.3 Removing and installing rear left door control unit - J388- and rear right door control unit - J389-

Removing

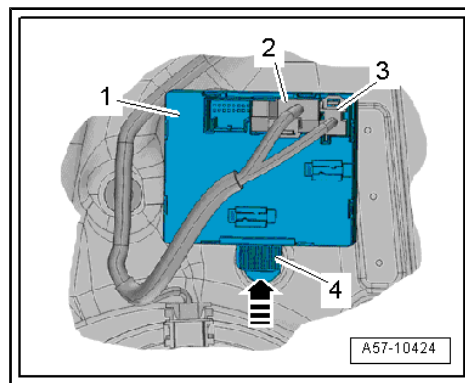
- Remove door trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .

- Unplug electrical connectors -2- and -3-; to do so, pull locking element and press release mechanism downwards.
- Press retaining catch -4- in direction of -arrow- and disengage door control unit -1- from door shell.

Installing

Install in reverse order of removal; note the following:

- Install door trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .



3.4 Removing and installing bonnet contact switch - F266-

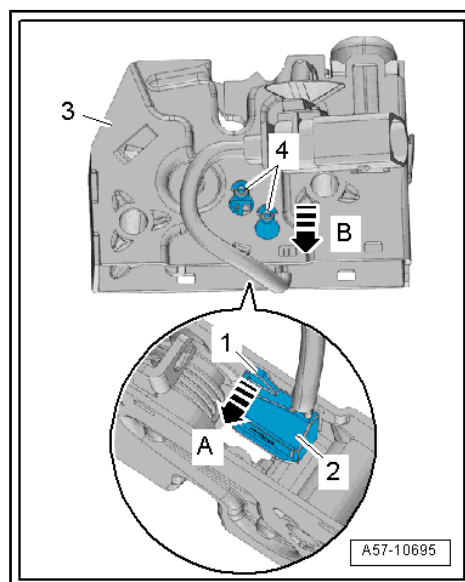
Removing

- Remove bonnet lock ⇒ [page 35](#) .
- Lift retaining tab -1- -arrow A-.
- Disengage contact switch -2- at bonnet lock -3- -arrow B- and detach contact switch.

Installing

Install in reverse order of removal; note the following:

- Guide pins -4- on contact switch must be inserted correctly in bonnet lock.
- Install bonnet lock ⇒ [page 35](#) .



3.5 Removing and installing tank filler flap locking motor - V155-

Removing

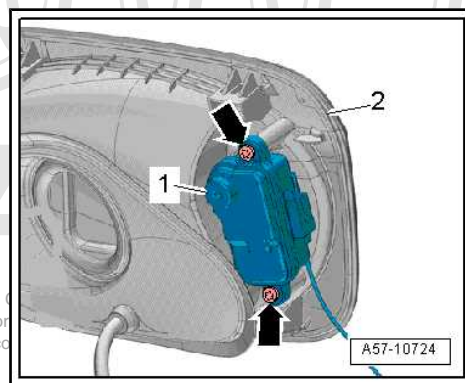
- Remove tank flap unit ⇒ [page 57](#) .
- Remove bolts -arrows-.
- Detach tank filler flap locking motor -1- with manual release cable from tank flap unit -2-.
- If tank filler flap locking motor is to be renewed, remove manual release cable for tank flap ⇒ [page 56](#) .

Installing

- Tightening torque
⇒ [“3.1.1 Exploded view - tank flap unit”, page 55](#)

Install in reverse order of removal; note the following:

- Install tank flap unit ⇒ [page 57](#) .



3.6 Removing and installing interface control unit for vehicle location system - J843-

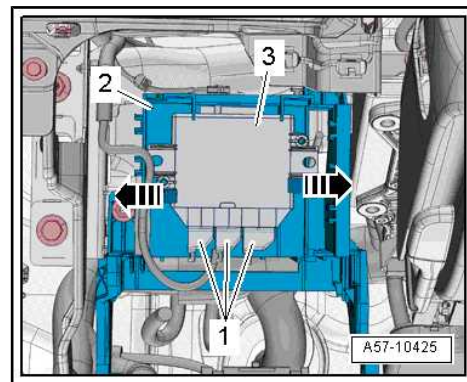
Removing

- Remove dash panel cover (driver side) ⇒ General body repairs, interior; Rep. gr. 68 ; Shelves / trim panels; Removing and installing dash panel cover (driver side) .
- Unplug electrical connectors -1-.
- Release retaining springs -arrow- and take interface control unit -3- out of mounting -2-.

Installing

Install in reverse order of removal; note the following:

- Install dash panel cover (driver side) ⇒ General body repairs, interior; Rep. gr. 68 ; Shelves / trim panels; Removing and installing dash panel cover (driver side) .



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58 – Rear doors, door components

1 Door

⇒ "1.1 Exploded view - door", page 98

⇒ "1.2 Exploded view - door seals", page 100

⇒ "1.3 Removing and installing door", page 100

⇒ "1.4 Adjusting door", page 101

⇒ "1.5 Adjusting striker", page 105

⇒ "1.6 Removing and installing door arrester", page 105

⇒ "1.7 Removing and installing inner door seal", page 106

⇒ "1.8 Removing and installing outer door seal", page 107

1.1 Exploded view - door

1 - Door

- ☐ Removing and installing
⇒ page 100

2 - Bolt

- ☐ 45 Nm



Note

- ◆ The bolt is a so-called *torque-to-yield* bolt, therefore it is usually necessary to adjust the door.
- ◆ If it does become necessary to make an adjustment, the bolt can be replaced with a bolt of the same length and class.

3 - Bolt

- ☐ 33 Nm

4 - Door arrester

- ☐ Removing and installing
⇒ page 105

5 - Cap

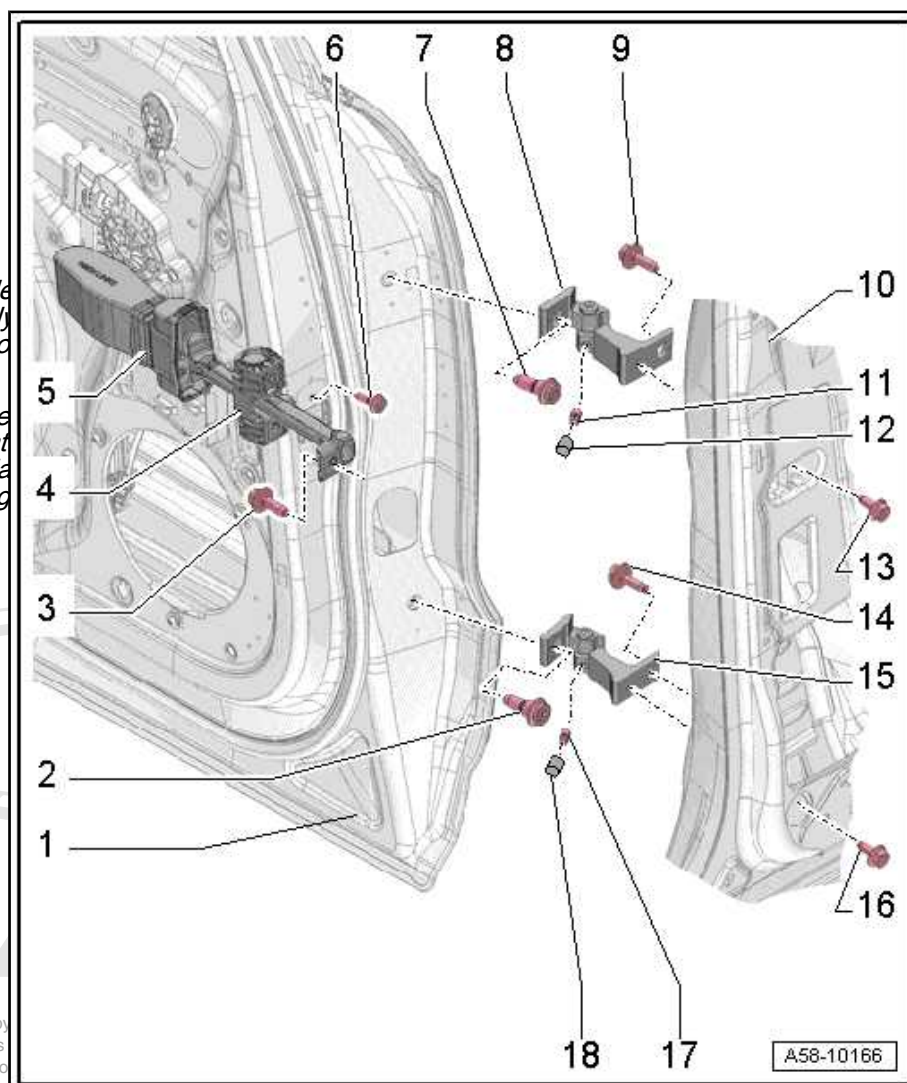
- ☐ For door arrester
- ☐ Note direction of installation

6 - Bolt

- ☐ 2x
- ☐ 8 Nm

7 - Bolt

- ☐ 45 Nm



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Note

- ◆ *The bolt is a so-called fitted bolt; therefore it is usually not necessary to adjust the door via this bolt.*
- ◆ *If it does become necessary to make an adjustment via this bolt, the bolt can be replaced with a bolt of the same length and property class.*

8 - Door hinge (top)

9 - Bolt

- ☐ 32 Nm

10 - B-pillar

11 - Stud

- ☐ 23 Nm

12 - Cap

- ☐ Fit onto stud

13 - Bolt

- ☐ 32 Nm

14 - Bolt

- ☐ 32 Nm

15 - Door hinge (bottom)

16 - Bolt

- ☐ 32 Nm

17 - Stud

- ☐ 23 Nm

18 - Cap

- ☐ Fit onto stud



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1.2 Exploded view - door seals

1 - Outer door seal

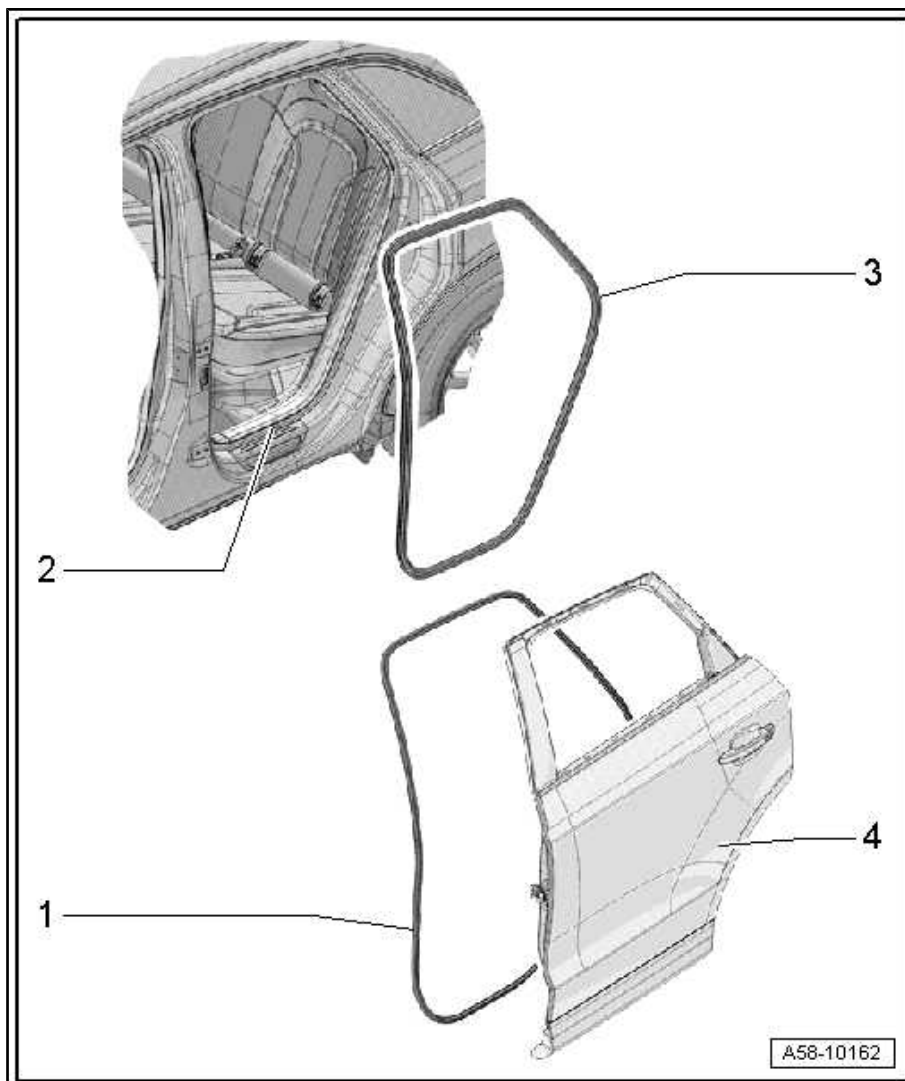
- ❑ Removing and installing
⇒ [page 107](#)

2 - Body

3 - Inner door seal

- ❑ Removing and installing
⇒ [page 106](#)

4 - Door



1.3 Removing and installing door

Removing

- Unplug door disconnecter at B-pillar ⇒ **Electrical system; Rep.**
gr. 97 ; Wiring .



Note

Mask B-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

- Unscrew bolt -2- for door arrester.
- Detach caps -1- and -3- from studs.
- Unscrew studs -4- from door hinge (top and bottom).



Caution

Risk of paintwork damage.

- ◆ *Protect paintwork on door or side panel from damage.*

- Carefully lift door off hinges.

Installing

- Gap widths ⇒ [page 103](#)
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 98](#)

Install in reverse order of removal; note the following:



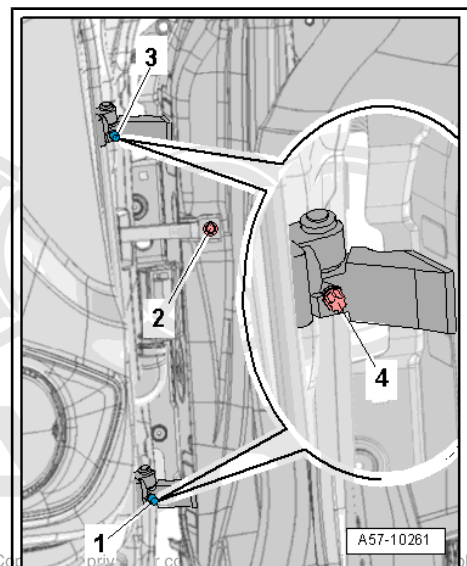
Note

No adjustment has to be performed after the front door has been installed.

1.4 Adjusting door

Special tools and workshop equipment required

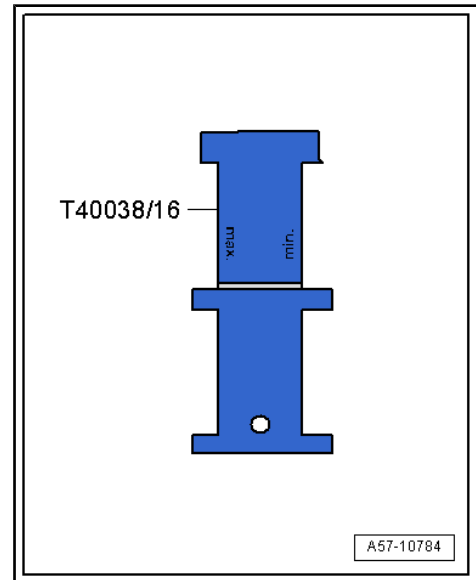
- ◆ Setting gauge - 3371-



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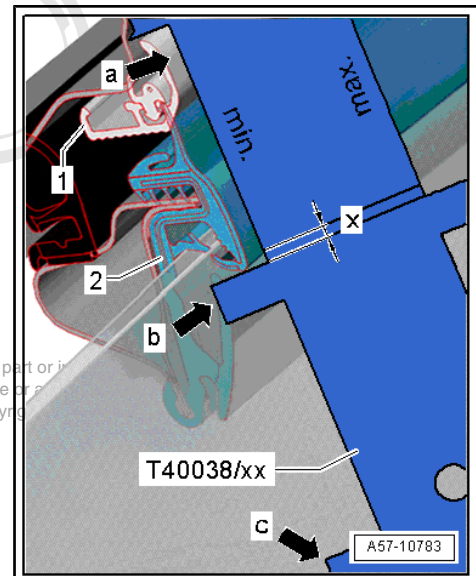
◆ Template - T40038 /16-



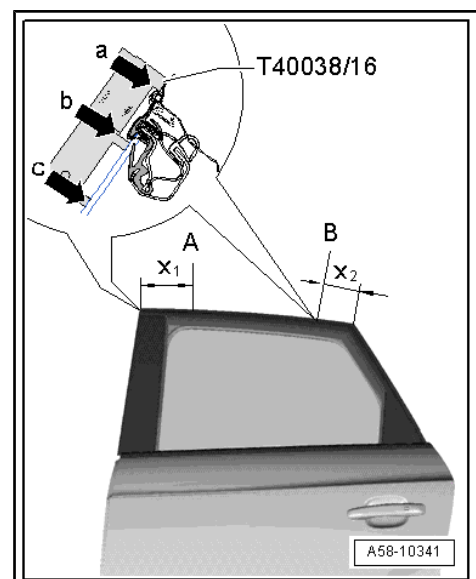
Checking adjustment of height with template - T40038/16-

- Template must make contact with trim strip -1- at top, as shown.
- Height is correctly adjusted when bottom edge of window guide -2- is within cut-out -bottom arrow- (-x- = 2.5 mm).

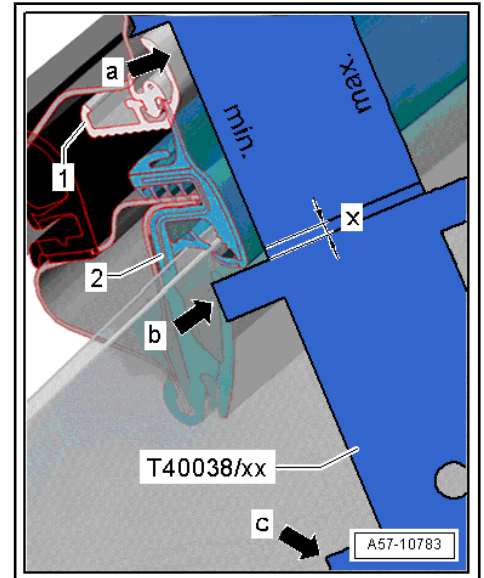
Checking lateral adjustment with template - T40038 /16-



- Position template at distance -x1- = 150 mm at measuring point -A- / at distance -x2- = 50 mm at measuring point -B-.



- At top template must make contact with top edge of roof trim strip -1- for »min« adjustment.
- If adjustment is correct, template must make contact at points -b- and -c-.
- A small gap (up to 0.8 mm) is permissible at point -a-.
- Template must make contact with bottom edge of window guide -2- for »max« adjustment.
- If adjustment is correct, template must make contact at points -a- and -c-.
- A gap (up to 1.5 mm) is permissible at point -b-.



Gap widths at rear door

A - Rear door to front door

- Gap width -a- = 4.4 ± 0.5 mm
- Flush alignment -b- = $0 + 1.0$ mm
- Parallel adjustment = 0.5 mm

-1- Front door

-2- Rear door

□ Adjusting ⇒ [page 101](#)

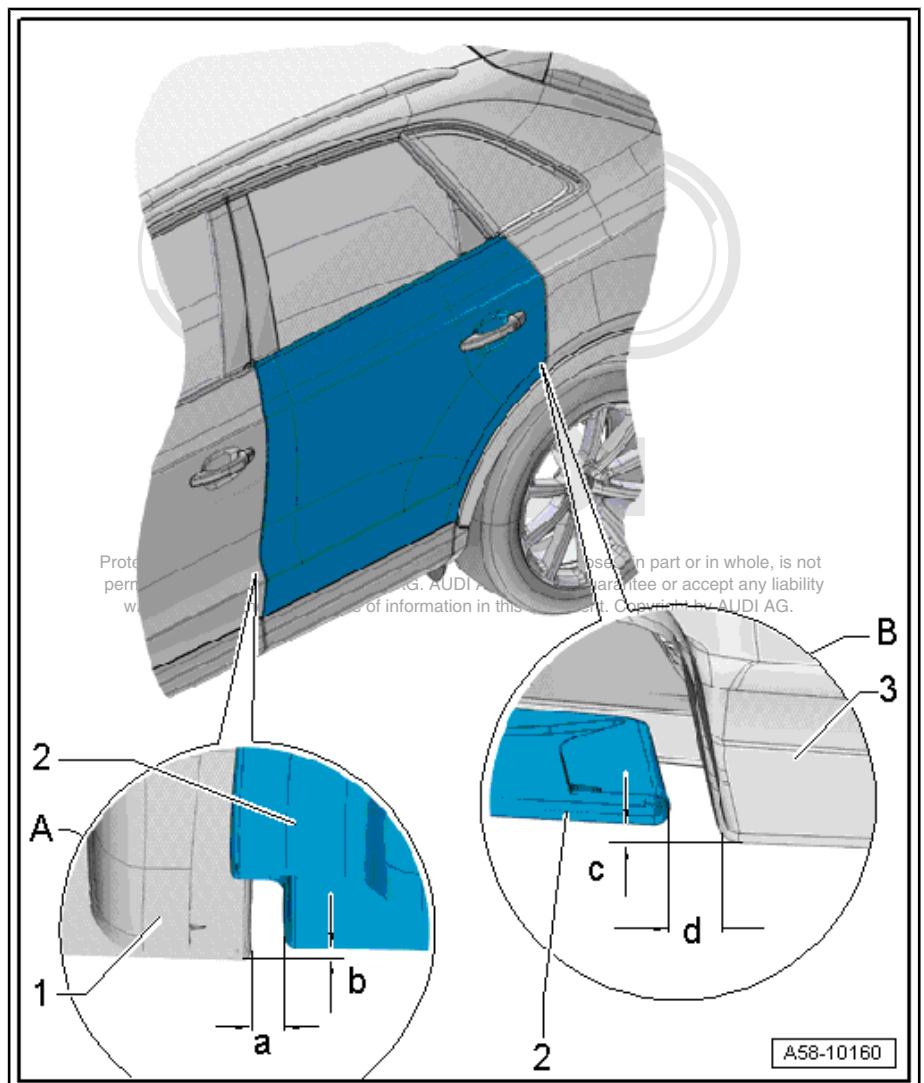
B - Rear door to side panel (rear)

- Gap width -d- = 3.4 ± 0.5 mm
- Flush alignment -c- = $0 + 1.0$ mm
- Parallel adjustment = 0.5 mm

-2- Rear door

-3- Side panel (rear)

□ Adjusting ⇒ [page 101](#)



Preparations for adjustment in longitudinal direction and towards centre of vehicle

- Remove B-pillar trim (top and bottom) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing B-pillar trim .
- Remove three-point seat belt (front) ⇒ General body repairs, interior; Rep. gr. 69 ; Seat belts; Removing and installing three-point seat belt (front) .



WARNING

- ♦ **Observe safety regulations for working on pyrotechnic components ⇒ General body repairs, interior; Rep. gr. 00 ; Safety precautions; Safety precautions when working on pyrotechnic components .**

Longitudinal adjustment

- Loosen bolts (top and bottom) -arrows B- at hinge and B-pillar -1-.
- Adjust door -2- lengthwise.
- Tighten bolts -arrows B-.
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 98](#)

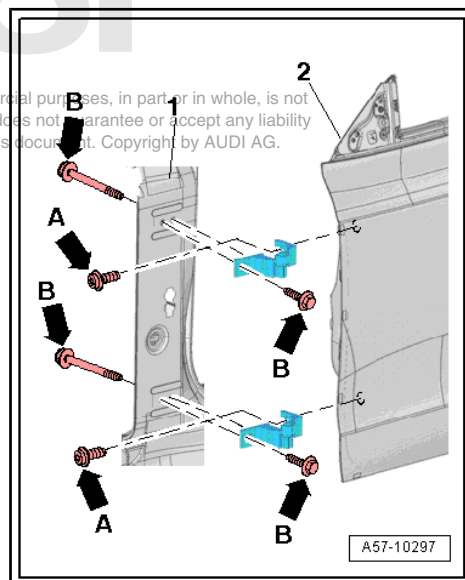
Adjusting the door inwards/outwards



Note

- ♦ *Bolt -A- is a so-called fitted bolt; therefore it is usually not necessary to adjust the door via this bolt.*
- ♦ *If it does become necessary to make an adjustment via this bolt, the bolt can be replaced with a bolt of the same length and property class.*
- Loosen bolts (top and bottom) -arrows A- at hinge.
- Adjust door -2- lengthwise.
- Tighten bolts -arrows A-.
- Tightening torque ⇒ [“1.1 Exploded view - door”, page 98](#)

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1.5 Adjusting striker



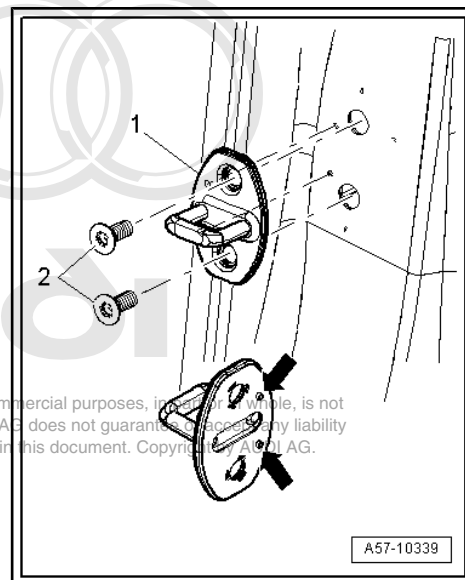
Note

- ◆ *The striker shim plate with the pins -arrows- must be positioned exactly in the hole.*
- ◆ *After adjusting the striker, the pins must be sheared off cleanly.*
- Loosen bolts -2-.
- Move striker -1- until door is flush with body contour.



Note

- ◆ *The striker is only to be used for adjustment towards the centre of the vehicle.*
- ◆ *Do not adjust the height of the door via the striker; otherwise the door lock will be damaged.*
- If adjustment is correct, striker should engage centrally in door lock.
- Tighten bolts -2-.
- Tightening torque
⇒ ["2.2.2 Exploded view - door lock and striker", page 113](#)



1.6 Removing and installing door arrester

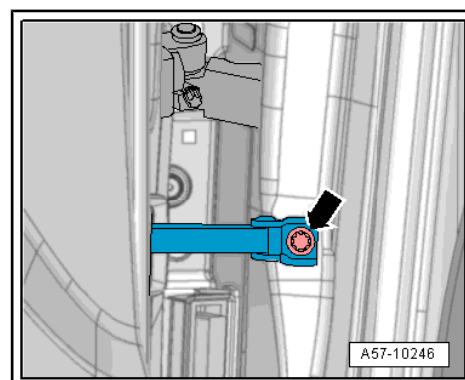
Removing



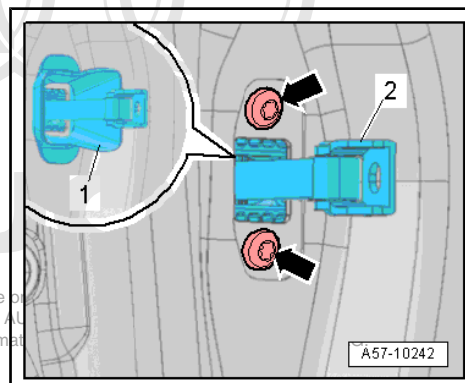
Note

Mask B-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

- Move door window to "closed" position.
- Remove door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .
- Remove lower loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Unscrew bolt -arrow- for door arrester.



- If fitted, detach sealing piece -1- for door arrester from door opening.
- Unscrew bolts -arrows- and take out door arrester -2- inwards.



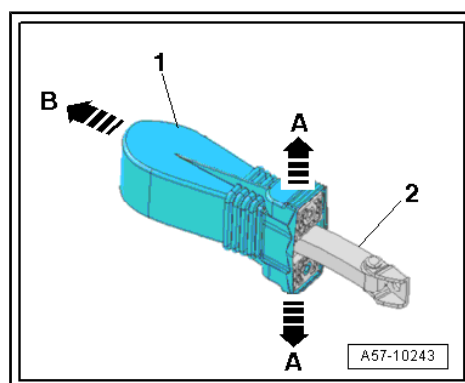
- Pull rubber sleeve -1- on door arrester to the side slightly -arrows A-.
- Detach rubber sleeve from door arrester -2- -arrow B-.

Installing

- Tightening torque ⇒ [“1.1 Exploded view - door”, page 98](#)

Install in reverse order of removal; note the following:

- Slide rubber sleeve onto door arrester (make sure rubber sleeve is fitted on correct side).
- Lettering for left or right side must be legible from top.
- Install lower loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Install door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .



1.7 Removing and installing inner door seal

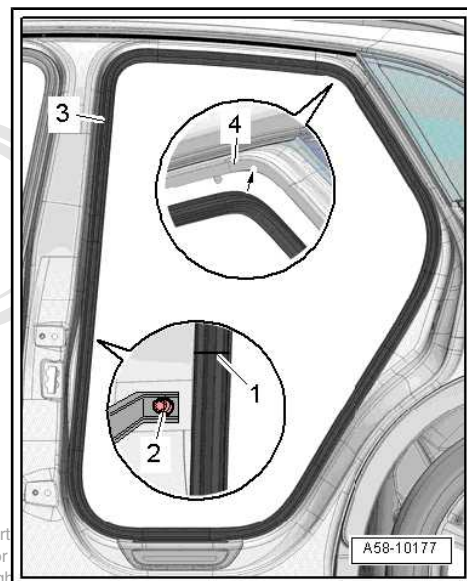
Removing

- Remove sill panel trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing sill panel trim .
- Remove B-pillar trim (top and bottom) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing B-pillar trim .
- Remove C-pillar trim ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing C-pillar trim .
- Pull inner door seal off body flange.

Installing

Install in reverse order of removal; note the following:

- Position inner door seal moulding -3- on body flange so that vulcanised point -1- is between door hinge (top) and door arrester -2-.
- Position inner door seal moulding on body flange -4- in area of B-pillar (top) -arrow-.
- Position inner door seal moulding all along body flange and press on.



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1.8 Removing and installing outer door seal

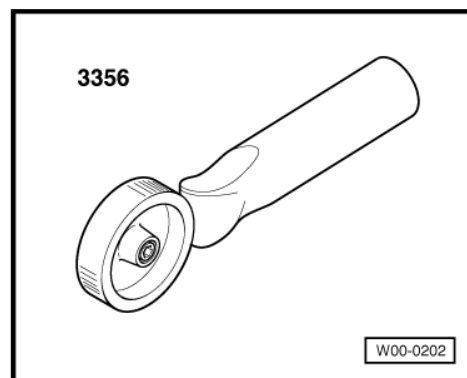


Note

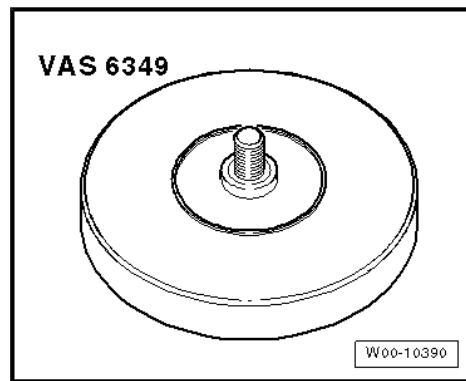
- ◆ *The complete outer door seal is bonded on and can only be renewed.*
- ◆ *The vehicle and the outer door seal must be at room temperature.*
- ◆ *Bonding surfaces must be free of dust and grease (clean with cleaning solution - D 009 401 04-).*
- ◆ *Apply primer - D 355 205 A2- to bonding surfaces on body using applicator - D 009 500 25- and allow to flash off.*
- ◆ *The water drain holes are positioned correctly when they are on the underside of the door.*

Special tools and workshop equipment required

- ◆ Roller - 3356-



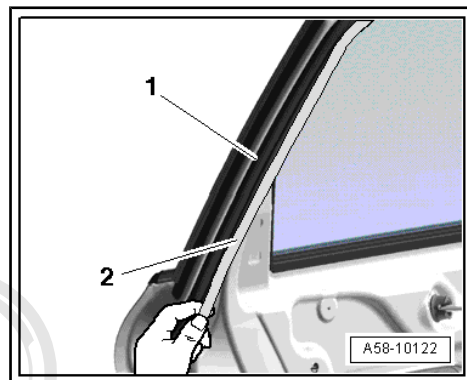
◆ Adhesive strip remover - VAS 6349-



◆ Cleaning solution - D 009 401 04-

Removing

- Remove rear window frame trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing trim for window frame .
- Mark position of outer door seal at window frame with adhesive tape.



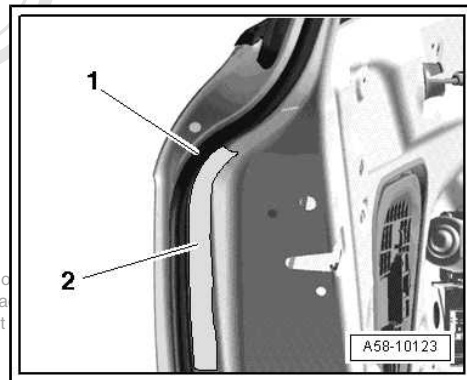
- Mark position of outer door seal in area of door lock with adhesive tape.



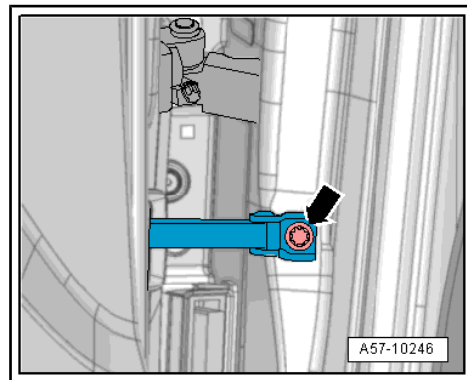
Note

Mask B-pillar in vicinity of door arrester with adhesive tape to avoid damaging paintwork.

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- Unscrew bolt -arrow- for door arrester.
- Pull outer door seal slightly off top of door frame and cut through with scissors (commercially available).



- Gradually stretch outer door seal lengthwise -arrow- and detach, as shown in illustration.

 Note

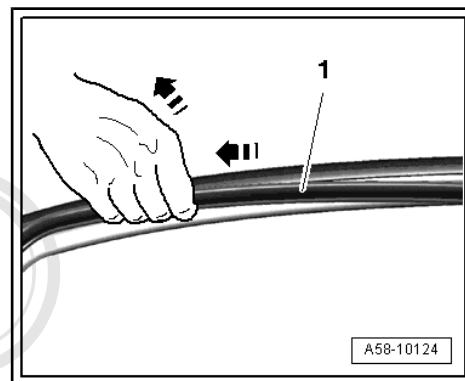
By stretching the outer door seal lengthwise, the adhesive is separated from the door and the seal can be detached from the door without leaving any adhesive.

- Detach outer door seal completely.

Installing

Install in reverse order of removal; note the following:

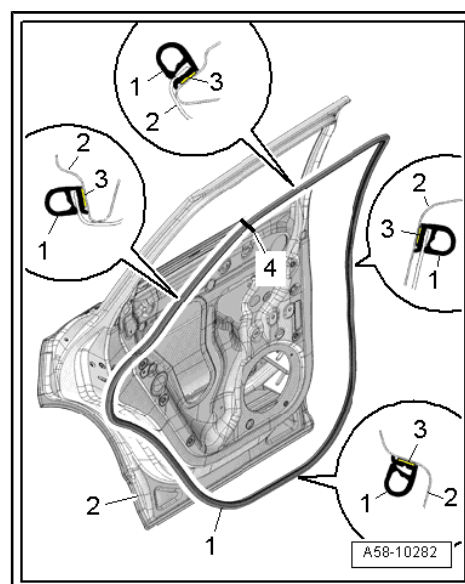
- Remove any residual adhesive with adhesive strip remover - VAS 6349- .
- Clean bonding surface on door with cleaning solution - D 009 401 04- .
- Apply primer - D 355 205 A2- to bonding surface on door using applicator - D 009 500 25- and allow to flash off.



Caution

- ◆ *If flash-off time exceeds three hours, primer - D 355 205 A2- must be applied again.*
- ◆ *When installing, do not stretch seal.*
- ◆ *If the outer door seal is stretched or compressed on the underside, at the B-pillar or at the C-pillar, the seal could become detached.*
- ◆ *To prevent the outer door seal from becoming detached or misaligned, it is important that the door is not closed for at least two hours.*
- ◆ *The vehicle must be at room temperature.*

- Mark -4- on outer door seal -1- must be applied at top of door B-pillar -2-.
- When positioned correctly, the drain holes in the outer door seal are located at the bottom on the underside of the seal.
- Peel protective film off adhesive strip -3-.
- Bond on new seal and press on using roller - 3356- .
- Leave vehicle standing at room temperature for at least 2 hours with doors open.
- Install door arrester ⇒ [page 105](#) .
- Install rear window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing trim for window frame .



2 Door components

- ⇒ ["2.1 Exploded view - window regulator", page 110](#)
- ⇒ ["2.2 Exploded view - door handle and door lock", page 112](#)
- ⇒ ["2.3 Exploded view - window guides and window slot trim strips", page 114](#)
- ⇒ ["2.4 Removing and installing window regulator", page 114](#)
- ⇒ ["2.5 Removing and installing window regulator motor", page 115](#)
- ⇒ ["2.6 Removing and installing door handle", page 116](#)
- ⇒ ["2.7 Removing and installing mounting bracket", page 118](#)
- ⇒ ["2.8 Removing and installing door lock", page 120](#)
- ⇒ ["2.9 Removing and installing striker", page 123](#)
- ⇒ ["2.10 Removing and installing inner door cover", page 123](#)
- ⇒ ["2.11 Removing and installing window guide", page 124](#)
- ⇒ ["2.12 Removing and installing inner window slot trim strip", page 125](#)
- ⇒ ["2.13 Removing and installing outer window slot trim strip", page 126](#)

2.1 Exploded view - window regulator

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1 - Door

2 - Window regulator

- ☐ Removing and installing
⇒ [page 114](#)

3 - Nut

- ☐ 6 Nm

4 - Cap

5 - Window regulator motor

- ☐ Rear left window regulator motor - V26-
- ☐ Rear right window regulator motor - V27-
- ☐ Removing and installing
⇒ [page 115](#)

6 - Bolt

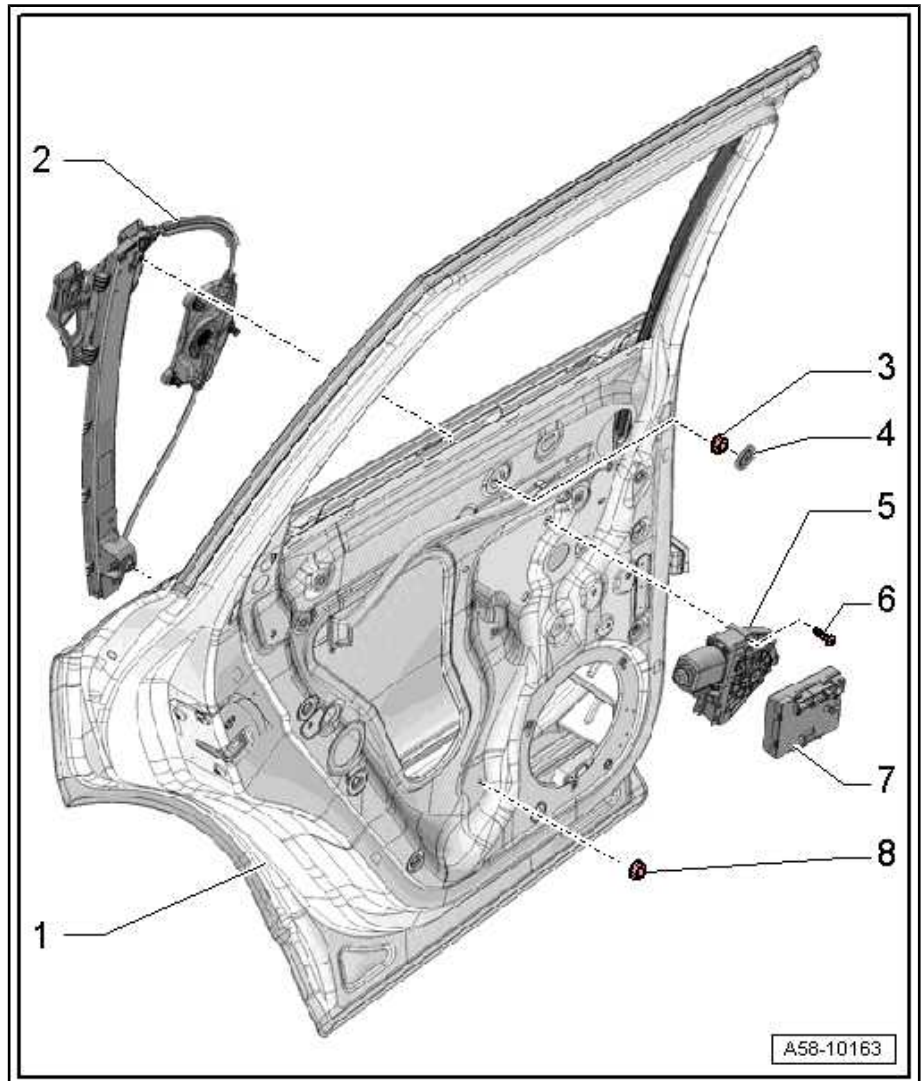
- ☐ 3x
- ☐ 3.5 Nm

7 - Door control unit

- ☐ Rear left door control unit - J388-
- ☐ Rear right door control unit - J389-
- ☐ Exploded view
⇒ [page 94](#)

8 - Nut

- ☐ 6 Nm



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2.2 Exploded view - door handle and door lock

⇒ [“2.2.1 Exploded view - exterior door handle and mounting bracket”, page 112](#)

⇒ [“2.2.2 Exploded view - door lock and striker”, page 113](#)

2.2.1 Exploded view - exterior door handle and mounting bracket

1 - Trim for exterior door handle

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

2 - Bolt

- ☐ 2.5 Nm

3 - Operating cable

- ☐ For door lock



Caution

Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

The operating cable must be engaged in/disengaged from the operating lever on the door with the components removed from the vehicle.

- ☐ Removing and installing
⇒ [page 86](#)

4 - Mounting bracket

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

5 - Backing plate (front)

- ☐ Removing and installing
⇒ [“2.6.3 Removing and installing door handle”, page 81](#)

6 - Backing plate (rear)

- ☐ Removing and installing ⇒ [“2.6.3 Removing and installing door handle”, page 81](#)

7 - Housing

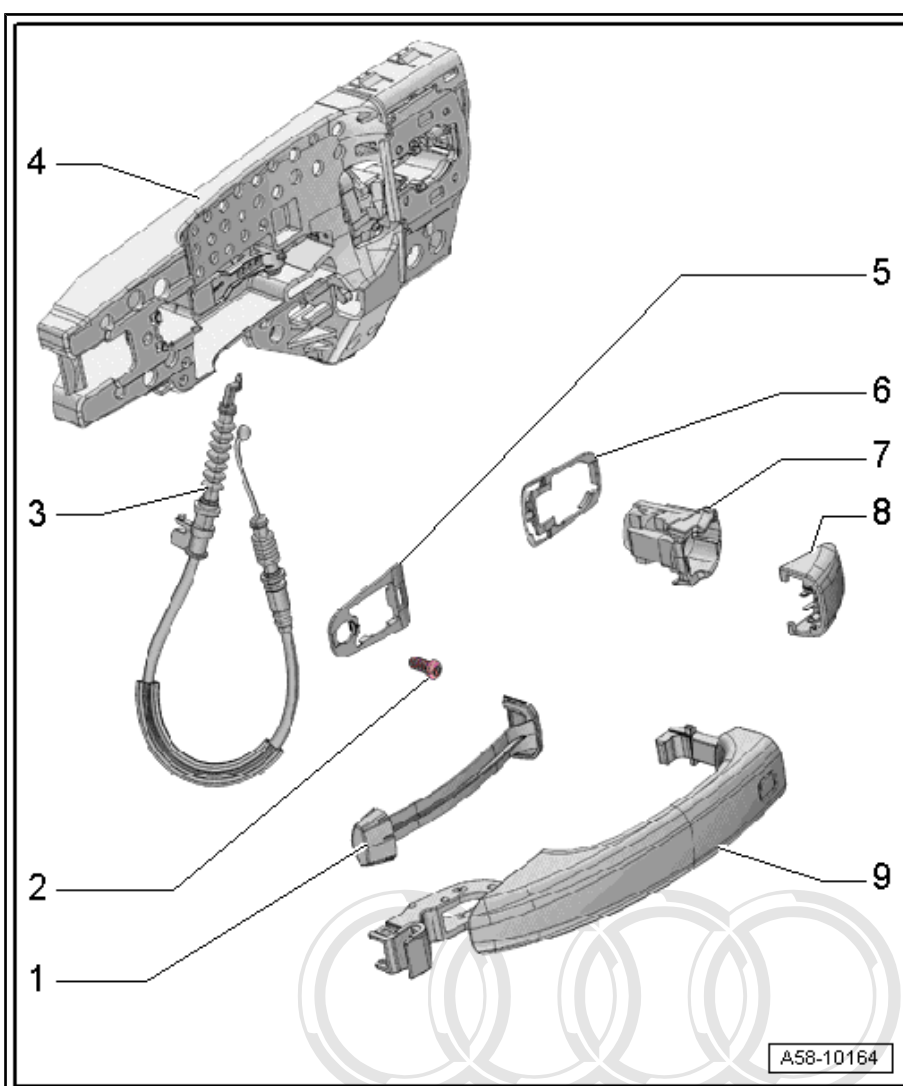
- ☐ Removing and installing ⇒ [page 116](#)

8 - Cap

- ☐ Removing and installing ⇒ [page 116](#)

9 - Exterior door handle

- ☐ Removing and installing ⇒ [page 81](#)



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2.2.2 Exploded view - door lock and striker

1 - Inner door cover

- ❑ Removing and installing
⇒ [page 123](#)

2 - Operating cable for door lock

- ❑ Removing and installing
⇒ [page 122](#)

3 - Grommet

- ❑ Cannot be renewed separately

4 - Door lock

- ❑ Removing and installing
⇒ [page 120](#)

5 - Bolt

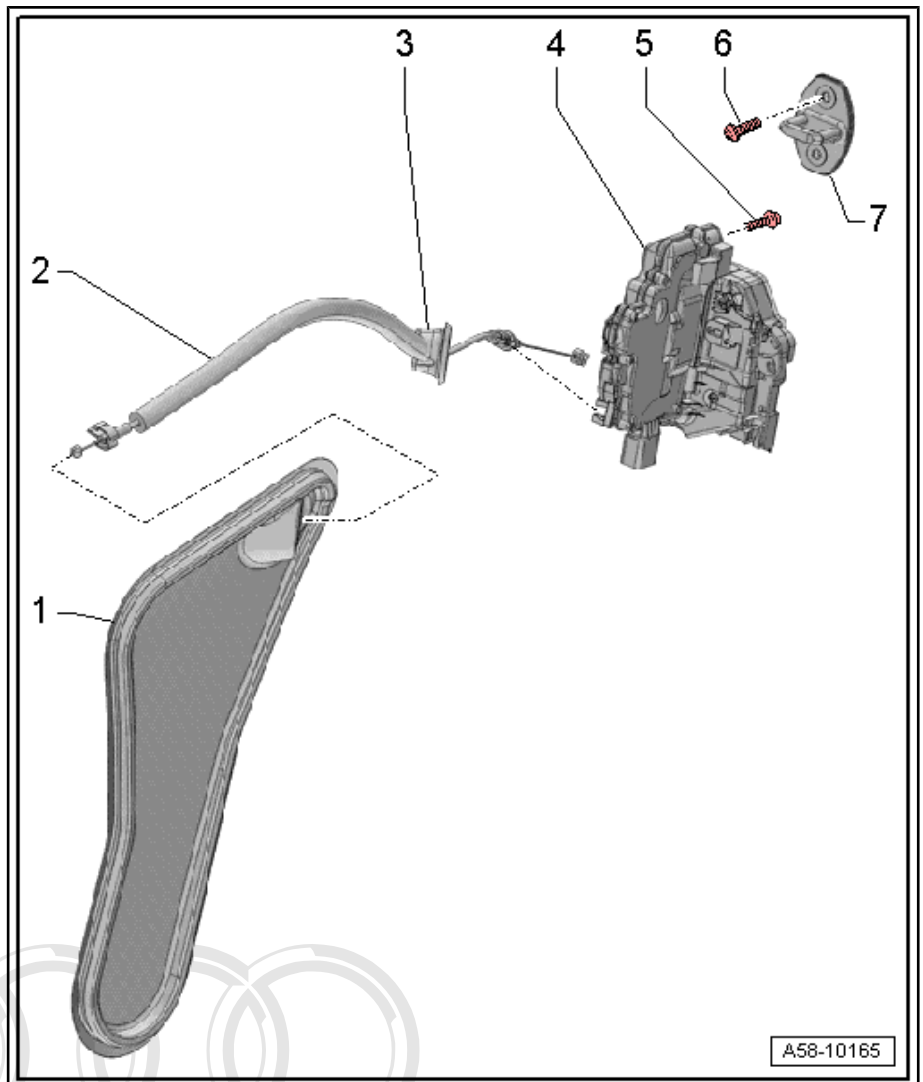
- ❑ 2x
- ❑ 19 Nm

6 - Bolt

- ❑ 2x
- ❑ 25 Nm

7 - Striker

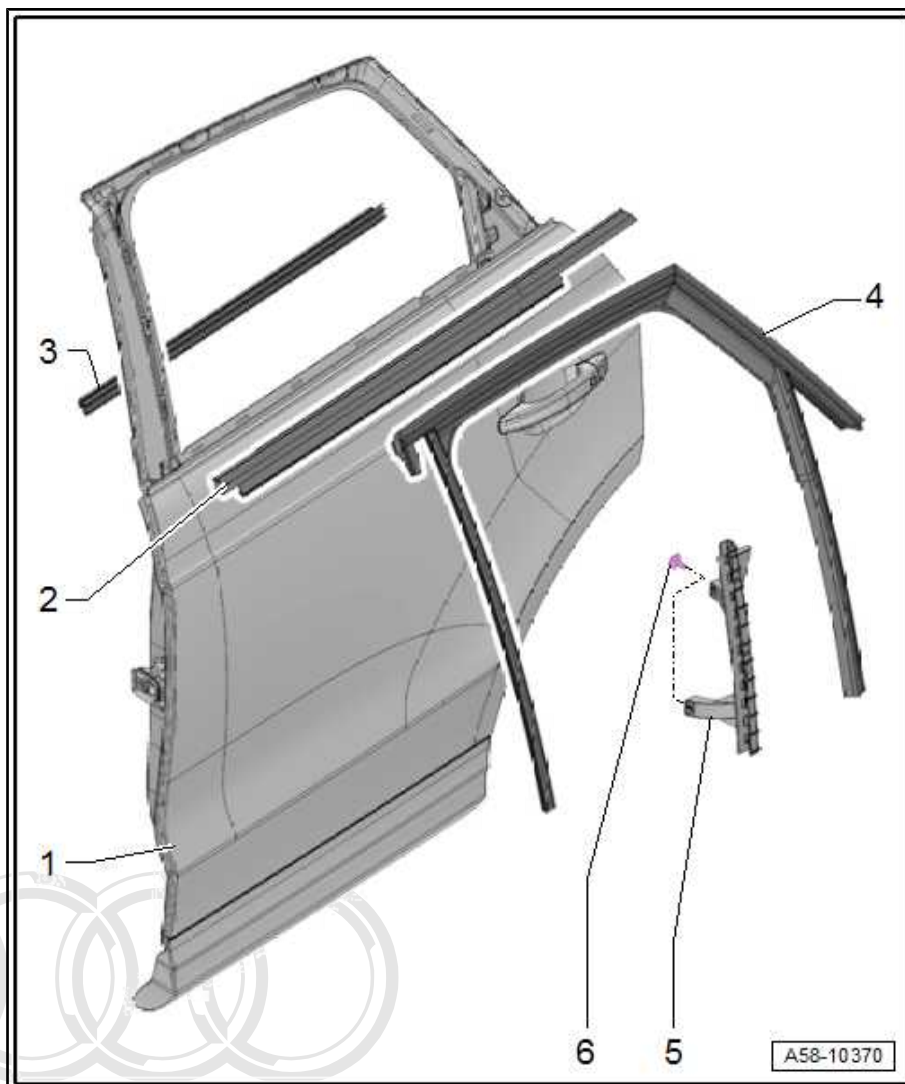
- ❑ Removing and installing
⇒ [page 123](#)



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2.3 Exploded view - window guides and window slot trim strips

- 1 - Door
- 2 - Outer window slot trim strip
 - ❑ Removing and installing
⇒ [page 126](#)
- 3 - Inner window slot trim strip
 - ❑ Removing and installing
⇒ [page 125](#)
- 4 - Window guide
 - ❑ Removing and installing
⇒ [page 124](#)
- 5 - Guide rail
 - ❑ For door window
 - ❑ Removing and installing
⇒ [page 125](#)
- 6 - Bolt
 - ❑ 2x
 - ❑ 3.5 Nm



2.4 Removing and installing window regulator

Removing

- Remove window regulator motor ⇒ [page 115](#)
- Remove door window ⇒ [page 211](#) .
- Remove bass loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .

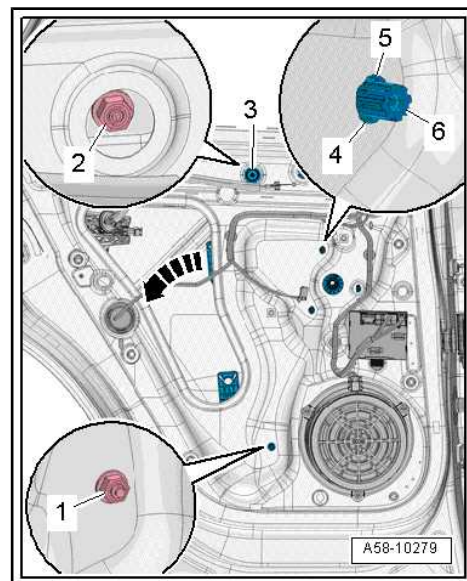
- Use an 11 mm socket to release retaining clips -4 and 5- of threaded pins -6- for window regulator (slide socket over threaded pins).
- Take out sealing plug -3-.
- Loosen nut -2- three turns.
- Unscrew nut -1-.
- Take window regulator out of opening towards rear -arrow-.

Installing

- Tightening torque
⇒ ["2.1 Exploded view - window regulator", page 110](#)

Installation is carried out in the reverse order; note the following:

- Retaining clips of threaded pins for window regulator must be engaged in inner door panel.
- Install bass loudspeaker ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system .
- Install door window ⇒ [page 211](#) .
- Installing window regulator motor ⇒ [page 115](#) .



2.5 Removing and installing window regulator motor

Removing



Note

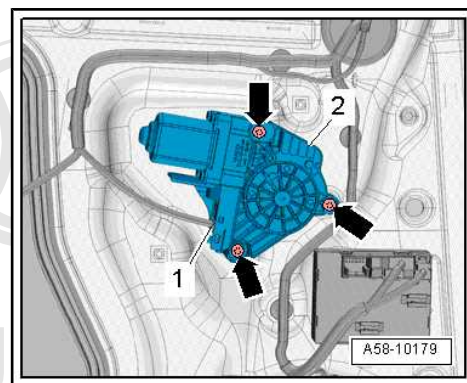
The window regulator motor can be removed or installed with the motor or door window in any position.

- Remove door trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .
- Unplug electrical connector -1-.
- Unscrew bolts -arrows- and detach window regulator motor -2- from window regulator.

Installing

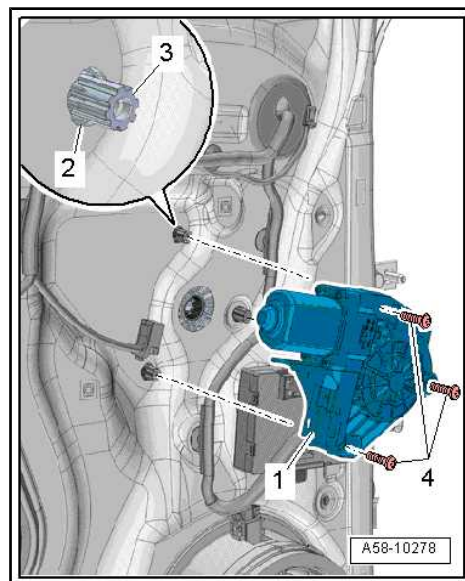
- Tightening torque
⇒ ["2.1 Exploded view - window regulator", page 73](#)

Install in reverse order of removal; note the following:



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- Retaining clips -2- of threaded bush -3- for window regulator must be engaged in inner door panel.
- Slide window regulator motor -1- onto threaded pins and tighten bolts -4-.
- Install door trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .



2.6 Removing and installing door handle

⇒ ["2.6.1 Removing and installing housing", page 116](#)

⇒ ["2.6.2 Removing and installing cap for housing", page 116](#)

⇒ ["2.6.3 Removing and installing door handle", page 117](#)

⇒ ["2.6.4 Removing and installing trim for exterior door handle", page 118](#)

2.6.1 Removing and installing housing

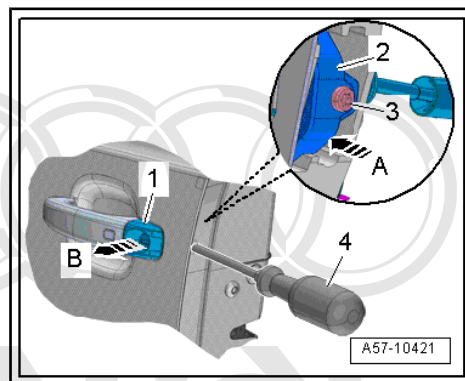
Removing

- Remove sealing plug.
- Unscrew clamping bolt -3- as far as possible using a screwdriver -4-.
- Push retainer -2- for housing inwards.
- Pull housing -1- out of mounting bracket -arrow B-.

Installing

- Tightening torque
⇒ ["2.2.1 Exploded view - exterior door handle and mounting bracket", page 112](#)

Install in reverse order of removal.



2.6.2 Removing and installing cap for housing

Removing

- Remove housing ⇒ [page 116](#) .

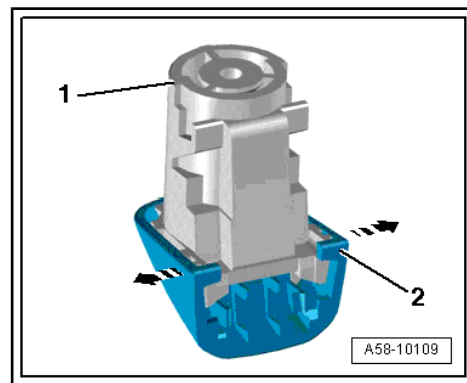
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- Pull retaining clips apart -arrows- and detach cap -2- from housing -1-, using an awl if necessary.

Installing

Install in reverse order of removal; note the following:

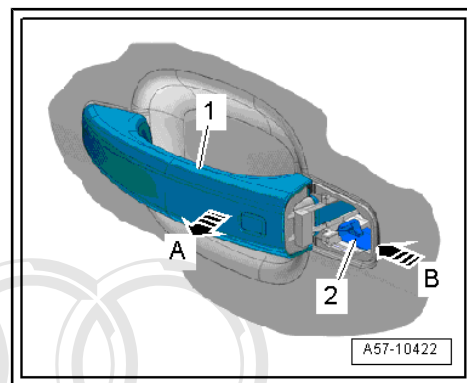
- Press on housing cap until it engages audibly.
- Install housing ➔ [page 116](#) .



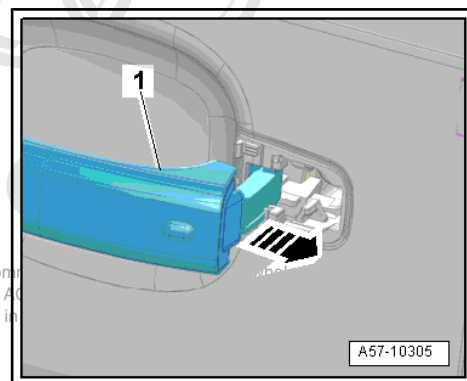
2.6.3 Removing and installing door handle

Removing

- Remove housing ➔ [page 116](#) .
- Pull exterior door handle -1- outwards -arrow A- and hold in “open” position.
- Press retaining clip -2- for lock cylinder/housing inwards -arrow B-. Door handle is locked in “open” position.



- Pull exterior door handle -1- in direction of -arrow-; exterior door handle will be detached from operating lever in mounting bracket.
- Swivel exterior door handle outwards and take out of mounting on mounting bracket.

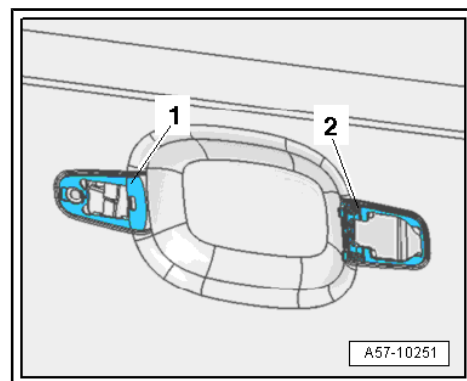


Installing

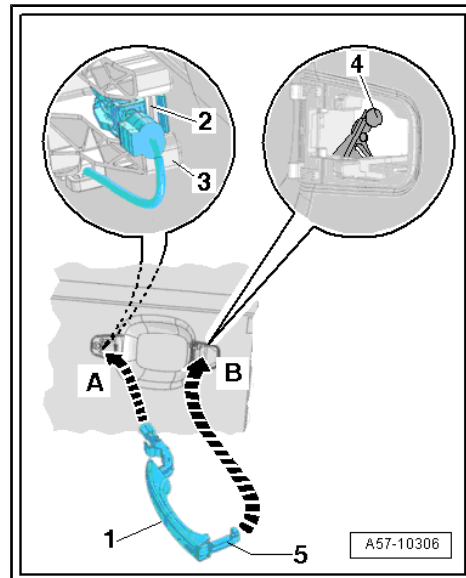
Install in reverse order of removal; note the following:

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- Renew backing plates -1- and -2- for door handle if they are damaged or brittle.



- Insert exterior door handle -1- -arrow A-, making sure that exterior door handle engages in mounting -2- on mounting bracket -3-.
- Swivel exterior door handle in direction of -arrow B- and push in »actuator« -5- in front of operating lever -4- in mounting bracket.
- Install housing ➔ [page 116](#) .



2.6.4 Removing and installing trim for exterior door handle

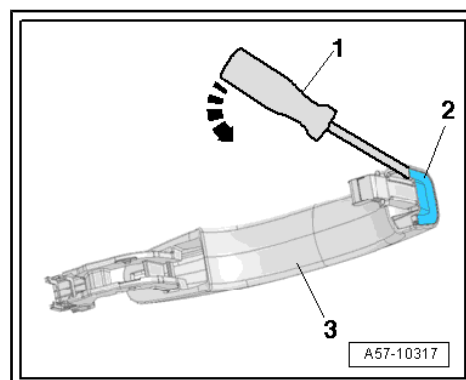
Removing

- Remove exterior door handle ➔ [page 117](#) .
- Prise out trim -2- for exterior door handle using an awl -1- at point indicated in illustration -arrow-.
- Pull trim for exterior door handle out of exterior door handle -3-.

Installing

Install in reverse order of removal; note the following:

- Push in trim for exterior door handle until it engages audibly.
- Install exterior door handle ➔ [page 117](#) .



2.7 Removing and installing mounting bracket



Caution

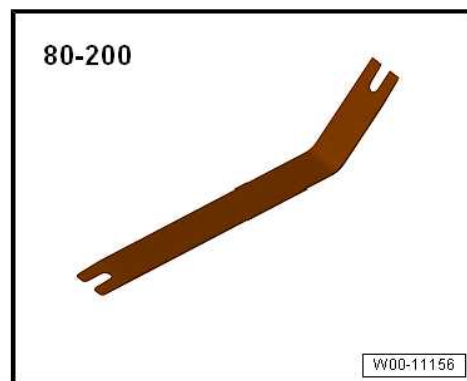
Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the mounting bracket must be removed and installed together with the door lock.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

Special tools and workshop equipment required

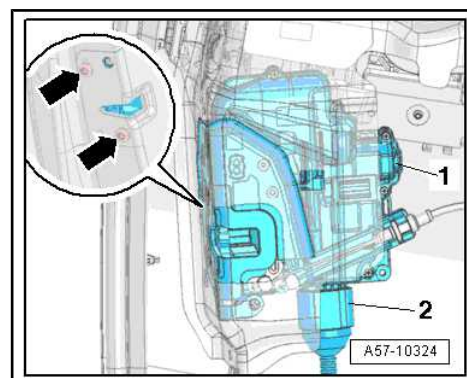
◆ Removal lever - 80 - 200-



Removing

- Remove inner door cover ➔ [page 123](#) .
- Remove guide rail for door window ➔ [page 125](#) .
- Unplug electrical connector -2-.
- Remove bolts ~~arrows~~ from door lock.

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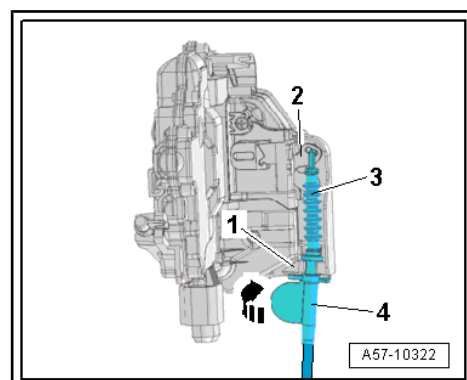
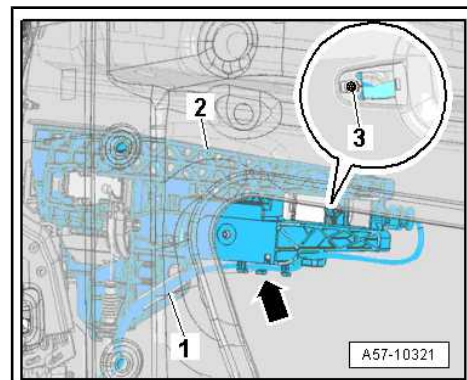


- Remove exterior door handle ➔ [page 117](#) .
- Unscrew bolt -3- and detach mounting bracket -2-.
- Slide mounting bracket and door lock downwards and take both components out of door.
- Disengage operating cable from operating lever at door lock.

Installing

Install in reverse order of removal; note the following:

- Mounting bracket and door lock are still removed.
- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install exterior door handle with mounting bracket ➔ [page 120](#) .



2.8 Removing and installing door lock

⇒ [“2.8.1 Removing and installing door lock”, page 120](#)

⇒ [“2.8.2 Removing and installing operating cable for door lock”, page 121](#)

⇒ [“2.8.3 Removing and installing operating cable for door opener”, page 122](#)

2.8.1 Removing and installing door lock



Caution

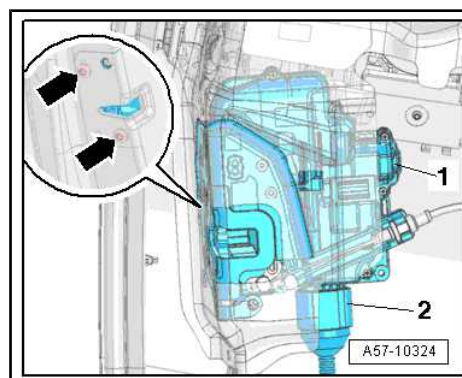
Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

Removing

- Remove inner door cover ⇒ [page 123](#) .
- Remove guide rail for door window ⇒ [page 125](#) .
- Unplug electrical connector -2- at door lock -1-.
- Remove bolts -arrows- from door lock.



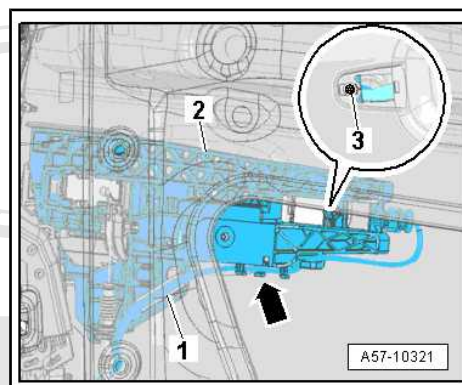
- Remove exterior door handle ⇒ [page 117](#) .
- Unscrew bolt -3- and detach mounting bracket -2-.
- Slide mounting bracket and door lock downwards and take both components out of door.
- Disengage operating cable from operating lever at door lock.

Installing

- Tightening torque
⇒ [“2.2.2 Exploded view - door lock and striker”, page 113](#)

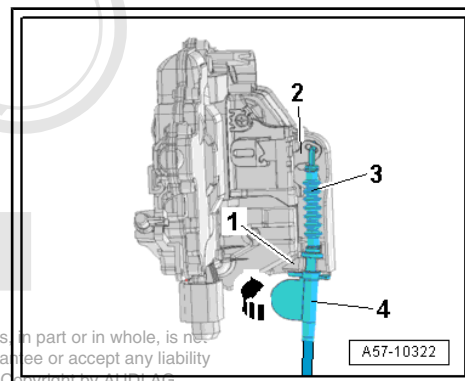
Install in reverse order of removal; note the following:

- Mounting bracket and door lock are still removed.



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- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install guide rail for door window ➔ [page 125](#) .
- Install inner door cover ➔ [page 123](#) .
- Install exterior door handle ➔ [page 117](#) .



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2.8.2 Removing and installing operating cable for door lock



Caution

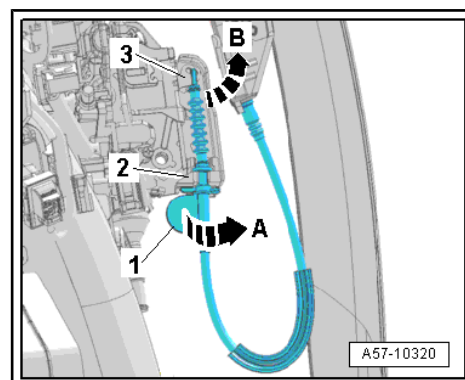
Risk of malfunctions.

To prevent the operating cable from being kinked or bent too much when it is disengaged/engaged, the door lock must be removed and installed together with the mounting bracket.

Therefore the operating cable must be engaged in/disengaged from the operating lever on the door lock with the components removed from the vehicle.

Removing

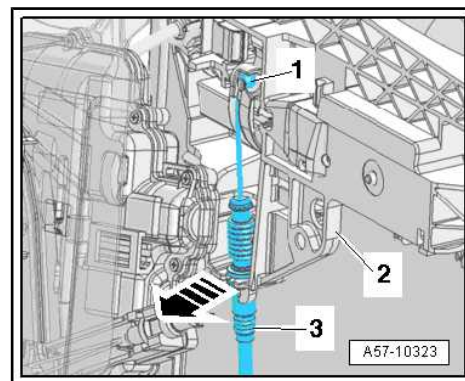
- Remove mounting bracket and door lock ➔ [page 120](#) .
- Turn operating cable on lever -1- 90° in direction of -arrow A- and take it out of cable support bracket -2-.
- Turn operating cable on operating lever -3- for door lock in direction of -arrow B-.
- The operating cable must be aligned with the opening on the operating lever.



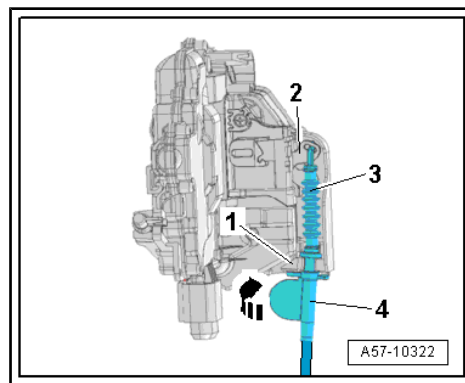
- Disengage operating cable -1- from operating lever by pressing cable support bracket -3- out of mounting on mounting bracket -2- -arrow-.
- Take out operating shaft.

Installing

Install in reverse order of removal.



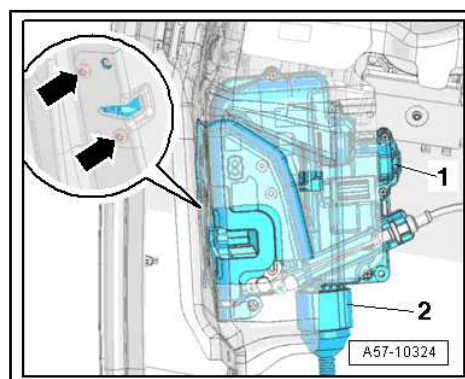
- Engage operating cable -3- in operating lever -2- for door lock.
- Insert operating cable into support bracket -1- and turn lever -4- 90° -arrow-.
- Lug on lever must engage audibly in cable support bracket.
- Install mounting bracket and door lock.



2.8.3 Removing and installing operating cable for door opener

Removing

- Remove inner door cover ➔ [page 123](#) .
- Remove bolts -arrows-.
- Press door lock -1- to one side and unplug electrical connector -2- if necessary.

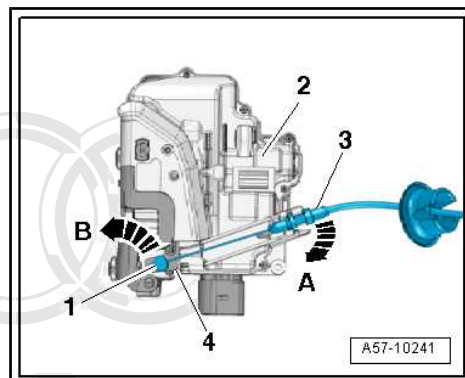


- Disengage operating cable -3- from door lock support bracket -2- -arrow A-.
- Turn nipple -1- 90° in direction of -arrow B- and take it out of door opener release lever -4-.

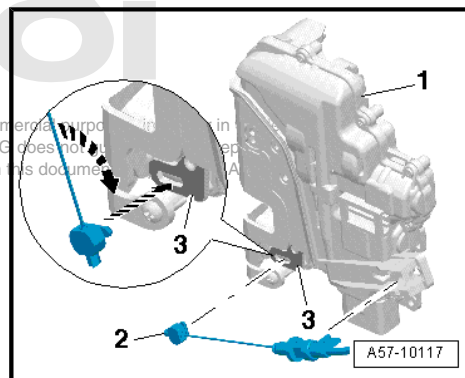
Installing

- Tightening torque
➔ ["2.2.2 Exploded view - door lock and striker", page 113](#)

Install in reverse order of removal; note the following:



- Insert nipple -2- in door opener release lever -3- -bottom arrow-.
- Turn nipple 90° -top arrow- and press operating cable into cable support bracket on door lock -1- until it engages audibly.
- Install inner door cover ➔ [page 123](#)



2.9 Removing and installing striker

Removing

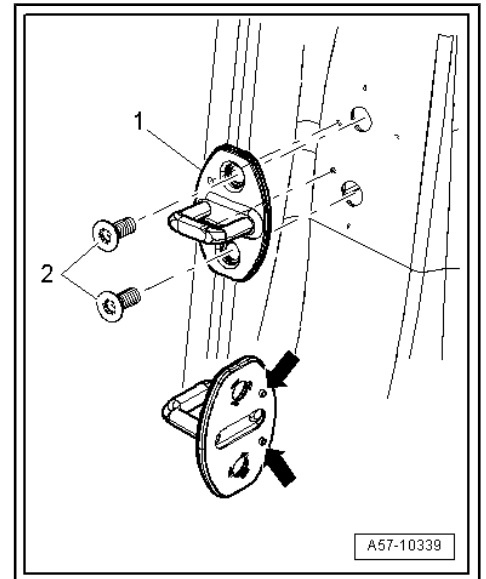
- Unscrew bolts -2- and detach striker -1-.

Installing

- Tightening torque
⇒ ["2.2.2 Exploded view - door lock and striker", page 113](#)

Install in reverse order of removal; note the following:

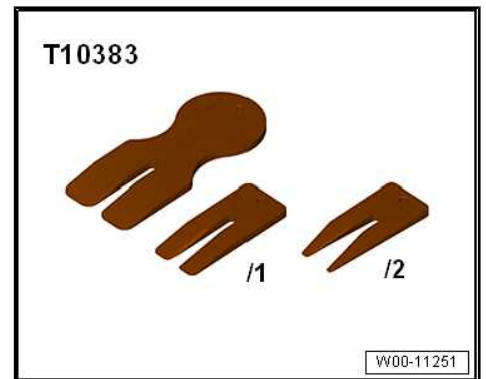
- Adjust striker ⇒ [page 101](#) .



2.10 Removing and installing inner door cover

Special tools and workshop equipment required

- ◆ Wedges - T10383-



Removing

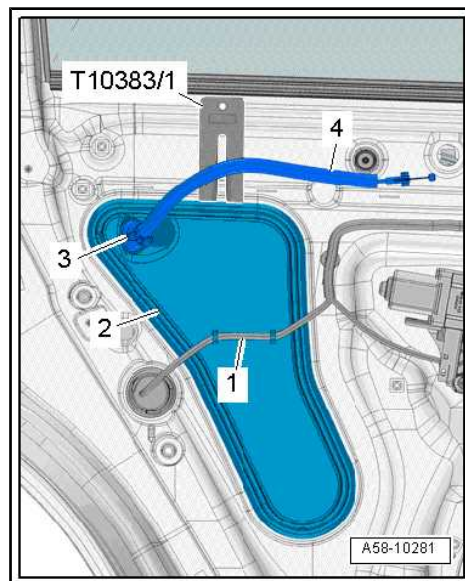
- Remove door trim ⇒ [General body repairs, interior; Rep gr 70 ; Door trim \(rear\); Removing and installing door trim \(rear\)](#).

- Move electrical wiring harness -1- clear.
- Prise cover -2- off inner door panel with wedge - T10383/1- .
- Disengage grommet -3- for cable -4- for interior door handle from inner door cover.

Installing

Install in reverse order of removal; note the following:

- Press on inner door cover until it engages audibly.
- Inner door cover must be flush.
- Install door trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .



2.11 Removing and installing window guide

⇒ [“2.11.1 Removing and installing window guide”, page 124](#)

⇒ [“2.11.2 Removing and installing guide rail for door window”, page 125](#)

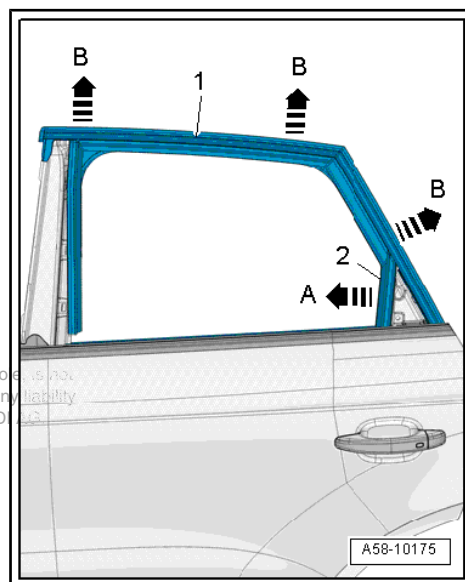
2.11.1 Removing and installing window guide

Removing

- Remove window frame trim (rear) ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .
- Remove rear door window ⇒ [page 211](#) .
- Remove trim panel for C-pillar on door ⇒ [page 244](#) .
- Pull seal -2- out of guide rail -arrow A-.
- Pull window guide -1- off upwards -arrows B-.

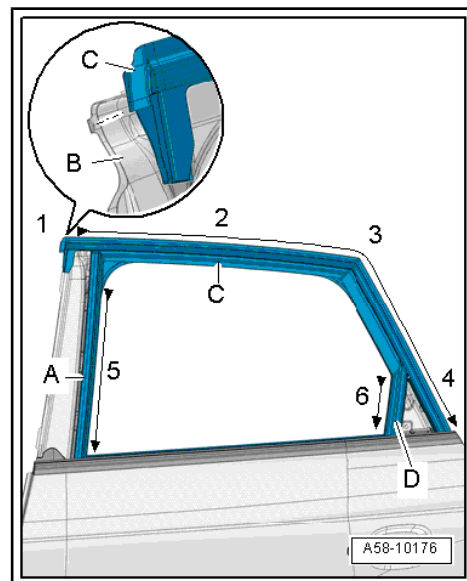
Installing

Install in reverse order of removal; note the following:



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- Fit sections of window guide on door flange in the sequence -1 ... 6-, as shown in illustration.
- Apply corner of window guide (top) -C- to door flange at B-pillar -B-.
- Slide on window guide towards rear.
- Apply window guide (top) at corner of C-pillar.
- Press window guide onto door flange, gradually working downwards.
- Align window guide with guide rail at B-pillar and insert seal -A- in guide rail.
- Align window guide with guide rail at C-pillar and insert seal -D- in guide rail.
- Install triangular C-pillar trim ➔ [page 244](#) .
- Install rear window frame trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing trim for window frame .
- Install rear door window ➔ [page 211](#) .



2.11.2 Removing and installing guide rail for door window

Removing

- Move door window to “closed” position.
- Remove inner door cover ➔ [page 123](#) .
- Pull seal -3- for door window out of guide rail -4-.
- Remove bolts -1 and 2-.
- Take out guide rail.

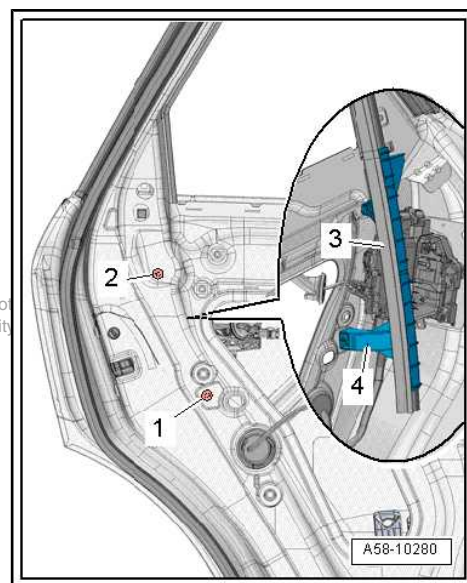
Installing

- Tightening torque
➔ [“2.1 Exploded view - window regulator”, page 110](#)

Install in reverse order of removal; note the following:

- Install inner door cover ➔ [page 123](#)

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2.12 Removing and installing inner window slot trim strip

Removing

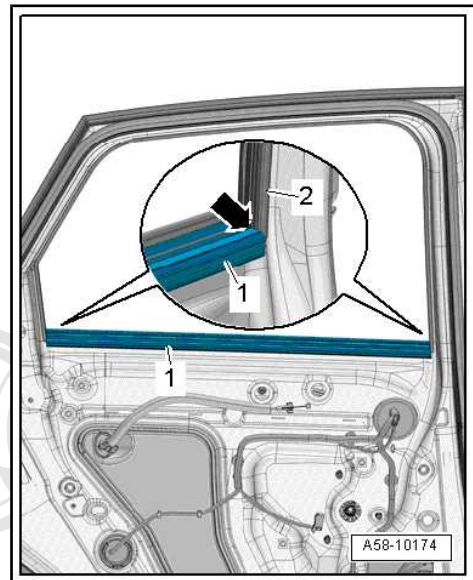
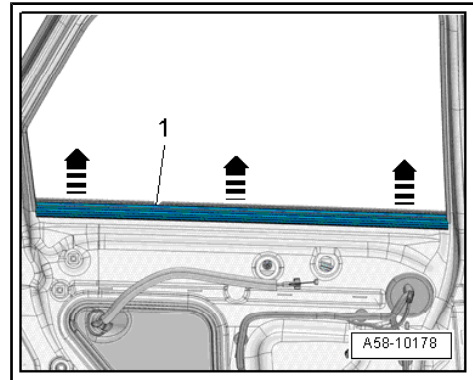
- Remove rear window frame trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing trim for window frame .

- Lift off window slot trim strip -1- -arrows-.

Installing

Install in reverse order of removal; note the following:

- Position window slot trim strip -1- so it is flush with window guide -2- at both ends -arrow- and press onto door seam, working towards centre.
- Install rear window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing trim for window frame .

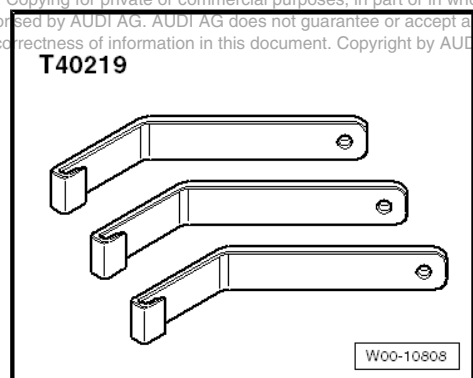


2.13 Removing and installing outer window slot trim strip

Special tools and workshop equipment required

- ◆ Removal tool - T40219-

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Preparing removal tool - T40219- :

- Before removing window slot trim strip, carefully bend removal tool - T40219- at the point indicated -arrow- so that removal tool can be applied behind retaining strip.

Removing

- Remove rear door window ➔ [page 211](#) .

- Insert removal tool - T40219- next to guide -4- for window slot trim strip -3- and apply at retaining strip -2-.
- Front section -1- of removal tool -T40219- must be positioned as shown in illustration.
- Press removal tool - T40219- lightly in direction of -arrow- to release component.
- You should hear the retaining strip disengage.
- Carefully pull window slot trim strip upwards off door flange using removal tool - T40219- .
- Detach window slot trim strip.

Installing

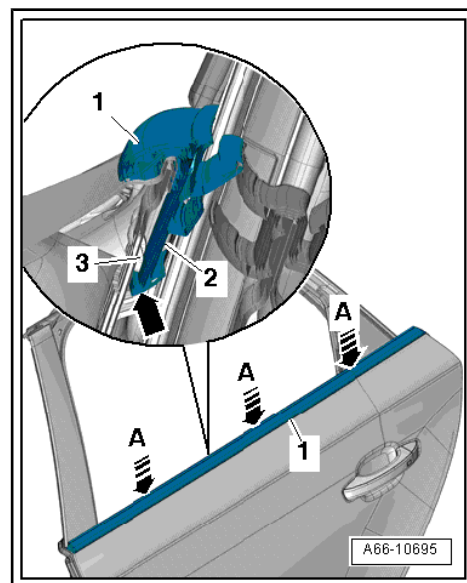
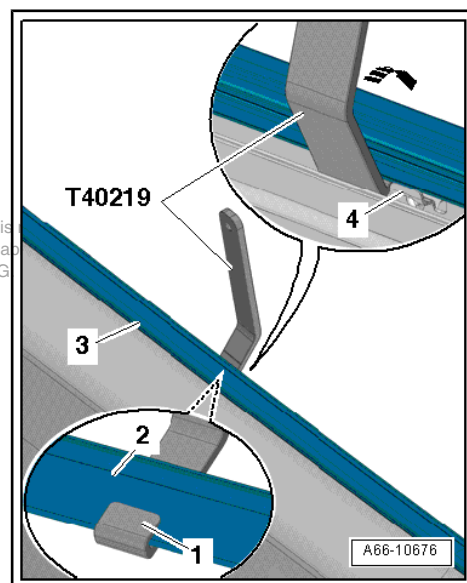
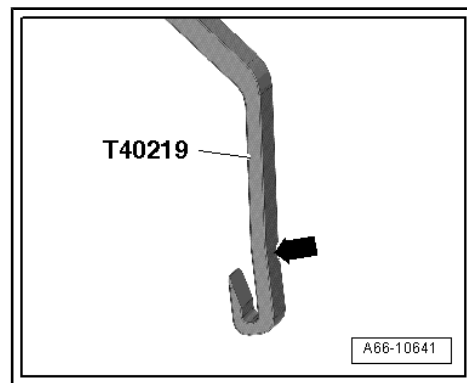
Install in reverse order of removal; note the following:



Note

For installing, you can coat the bottom edge of the window slot trim strip with tyre assembly paste.

- Position window slot trim strip -1- at trim panel for B-pillar on door seam and press on evenly -arrows A-; retaining strip -2- should engage audibly.
- When fixing strip in position -arrow-, retaining strip should engage underneath retaining plate -3-.
- Install rear door window ➔ [page 211](#) .



60 – Sunroof

1 Sliding sunroof

⇒ [“1.1 Exploded view - sliding sunroof”, page 128](#)

⇒ [“1.2 Exploded view - sunroof sun blind”, page 129](#)

⇒ [“1.3 Removing and installing sliding sunroof frame”, page 130](#)

⇒ [“1.4 Removing and installing glass panel”, page 131](#)

⇒ [“1.5 Adjusting glass panel”, page 133](#)

⇒ [“1.6 Removing and installing sliding sunroof adjustment control unit J245”, page 133](#)

⇒ [“1.7 Removing and installing sliding sunroof seals”, page 134](#)

⇒ [“1.8 Removing and installing sliding sunroof sun blind”, page 135](#)

⇒ [“1.9 Removing and installing wind deflector”, page 139](#)

1.1 Exploded view - sliding sunroof

1 - Frame for panoramic sunroof

- ☐ Removing ⇒ [page 130](#)

2 - Seal

- ☐ Removing and installing ⇒ [page 134](#)

3 - Wind deflector

- ☐ Removing and installing ⇒ [page 139](#)

4 - Panel »1«

- ☐ Removing ⇒ [page 131](#)

5 - Panel seal

- ☐ Removing ⇒ [Item 3 \(page 133\)](#)

6 - Panel »2«

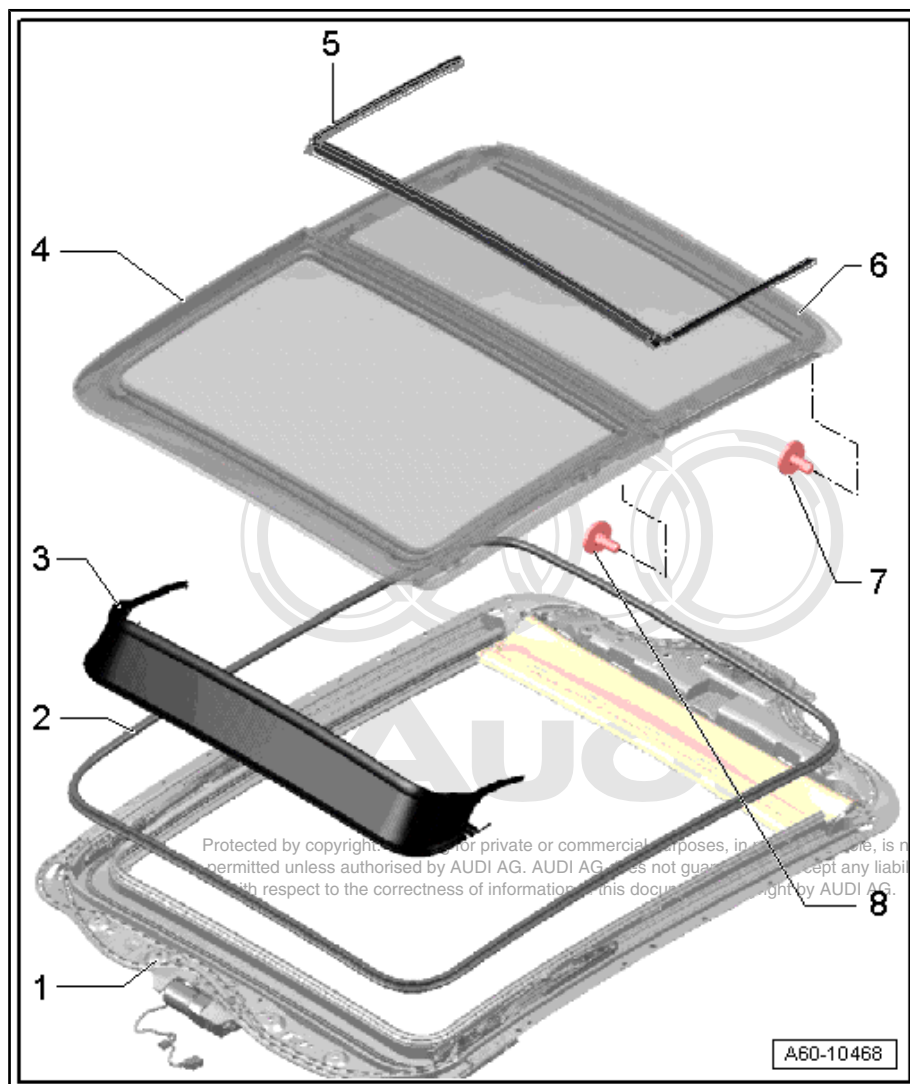
- ☐ Removing ⇒ [page 132](#)

7 - Bolt

- ☐ 3 Nm

8 - Bolt

- ☐ 7 Nm



1.2 Exploded view - sunroof sun blind

1 - Cross strut

2 - Actuator on cable for sunroof sun blind

- ☐ Can only be renewed together with cable
- ☐ Removing ➔ [page 137](#)

3 - Cover for cable

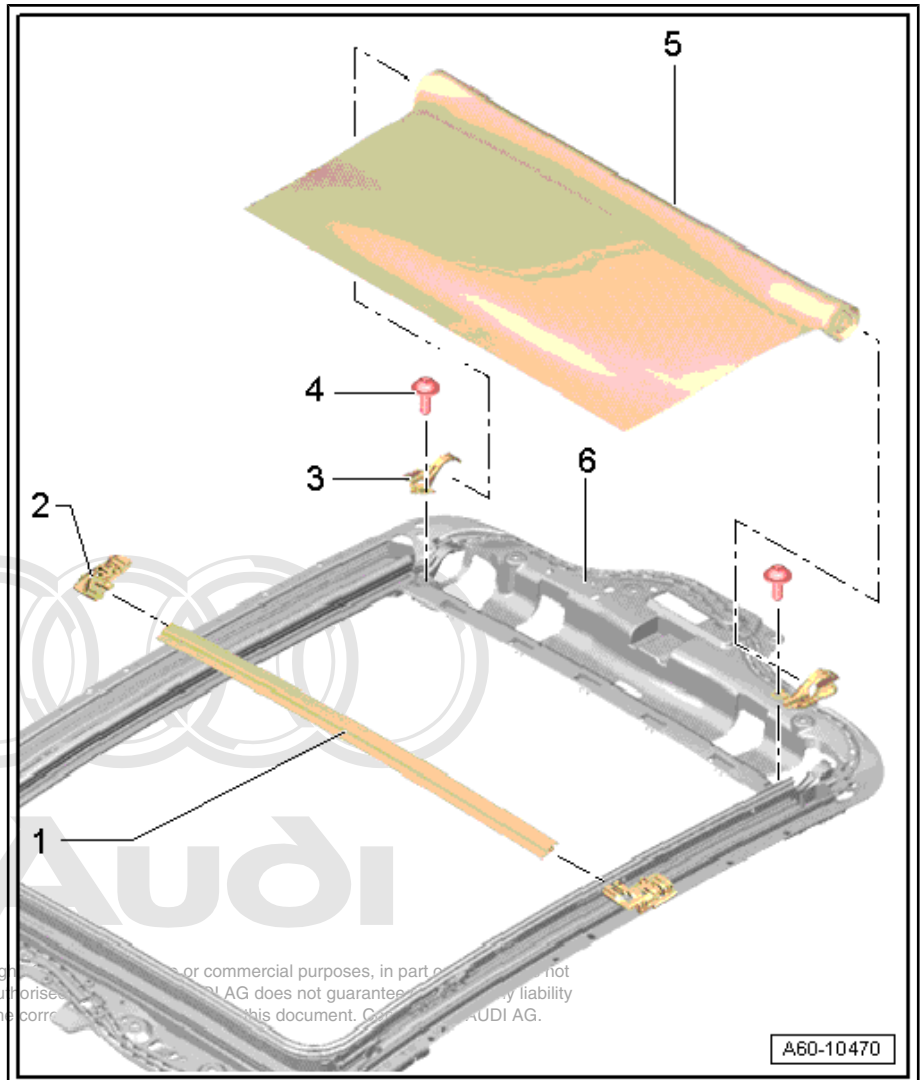
4 - Bolt

- ☐ 1 Nm

5 - Sunroof sun blind

- ☐ Removing ➔ [page 135](#)
- Pull tension bow off fabric for sunroof sun blind (at side).

6 - Frame for sliding panoramic sunroof



1.3 Removing and installing sliding sunroof frame

1 - Bolt

- ☐ 3 Nm

2 - Sliding sunroof adjustment control unit - J245-

- ☐ Performing adaption
⇒ [page 138](#)

3 - Bolt

- ☐ 8 Nm

4 - Roof

5 - Frame for panoramic sunroof

- ☐ Removing
 - Headliner removed
 - Unplug electrical connectors.
 - Disconnect fluid hoses (front and rear).



Note

- ◆ Only unscrew central bolts (both sides) from frame as a final step.
- ◆ Two mechanics must hold the frame in position so that a third can remove the bolts and the frame can be lifted out.

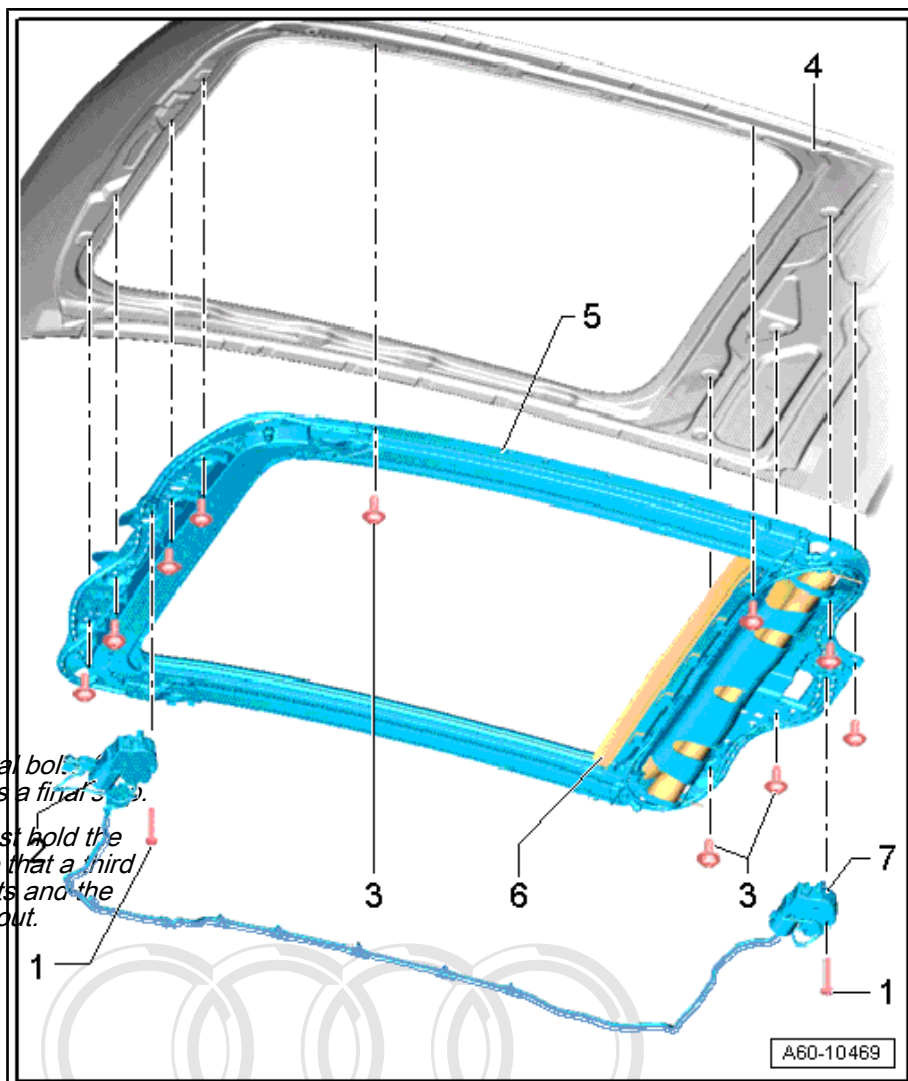
- Unscrew bolts on both sides; do not unscrew central bolts.
- Have other mechanics hold frame; only then can central bolts be loosened and frame be lifted out towards rear through rear lid opening.
- ☐ Installing
 - Loosely secure frame with bolts.
 - Locate frame at locating holes with $\varnothing 8$ mm drill (front and rear) ⇒ [page 131](#).
 - Observe tightening sequence ⇒ [page 131](#).
 - Connect water drain hoses (front and rear) to frame.

6 - Sunroof sun blind

- ☐ Removing ⇒ [page 135](#)

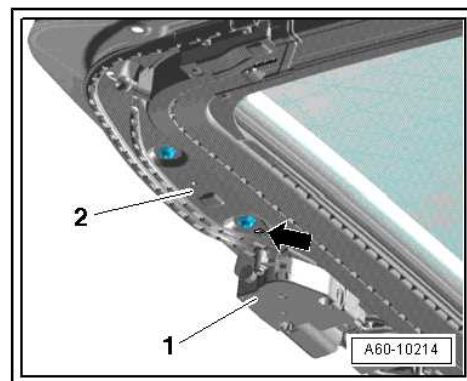
7 - Sunroof roller blind control unit - J394-

- ☐ Performing adaption ⇒ [page 138](#)

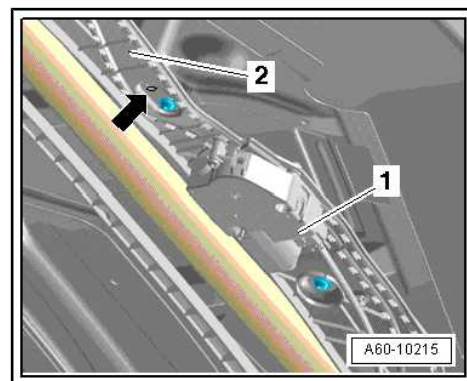


Attachment points for frame

- When installing, frame -2- must be located at front right -arrow- next to motor -1- with a $\varnothing$ 8 mm drill and...

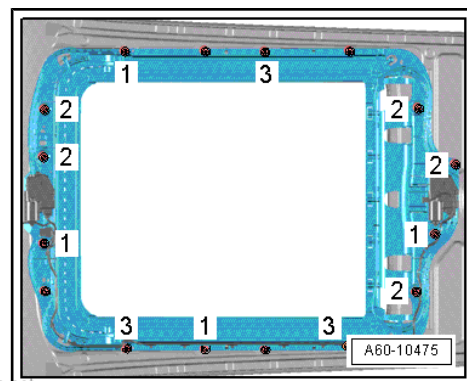


- ... at rear right (slot) -arrow- next to motor -1- with $\varnothing$ 8 mm drill.
- Tighten bolts along width of frame to torque (first at front, then at rear).
- Tighten bolts along length of frame alternately to torque (from rear to front).



Tightening sequence

- Tighten bolts to specified torque in the sequence 1, 2 and 3, as shown.



1.4 Removing and installing glass panel

⇒ "1.4.1 Removing panel 1 for panoramic sunroof", page 131

⇒ "1.4.2 Removing panel 2 for panoramic sunroof", page 132

1.4.1 Removing panel 1 for panoramic sunroof



Caution

Sunroof must not be moved if panel is removed - risk of damage.

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Note

If bolts for securing sunroof panel have been completely removed, they must be renewed.

1 - Bolt

- ☐ 2x on each side (front and rear)
- ☐ 7 Nm

2 - Mounting for slotted guide

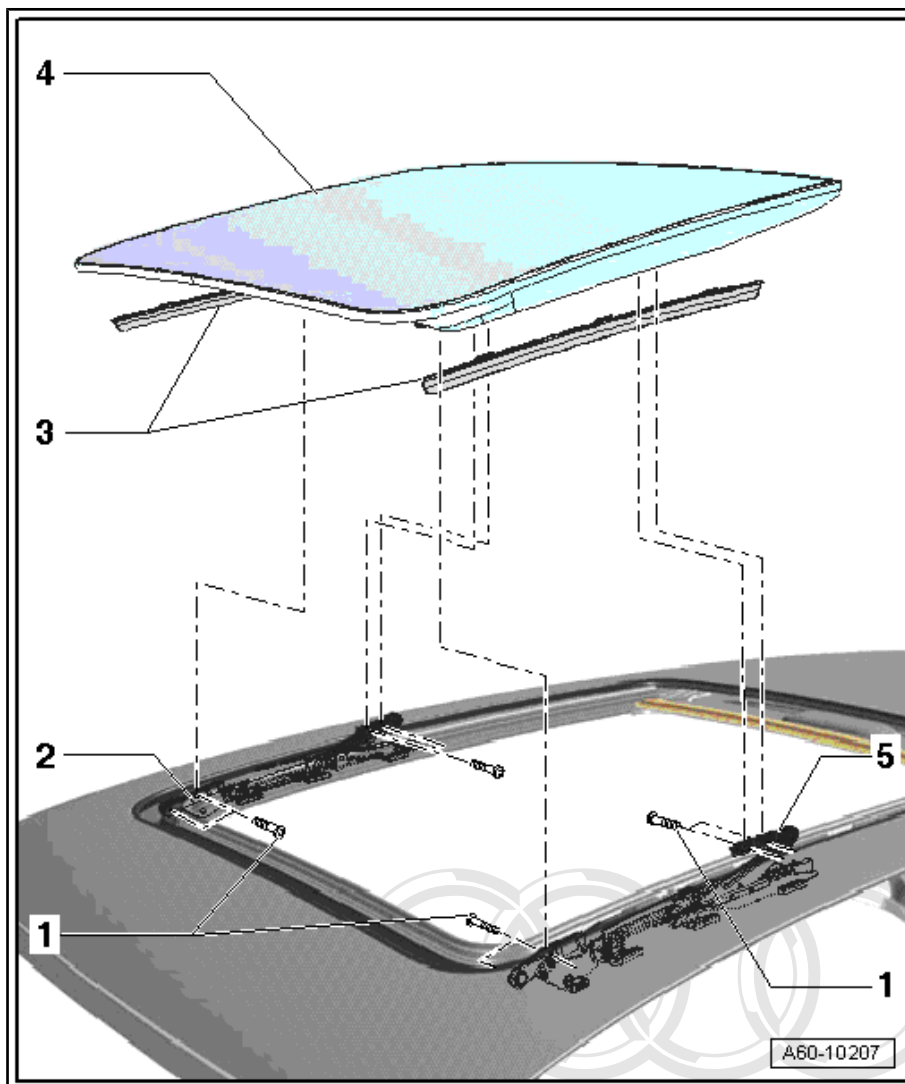
- ☐ Not available as a separate replacement part

3 - Trim for panel

- ☐ When removing panel, pull trim out of panel towards rear.

4 - Panel »1«

- To remove, tilt panel and pull off trim panels towards rear.
- Remove bolts (rear) and open panel towards rear slightly.
- Unscrew bolts (front) and lift out panel.
- ☐ Adjust panel
⇒ [page 133](#).



1.4.2 Removing panel 2 for panoramic sunroof



Note

If bolts for securing sunroof panel have been completely removed, they must be renewed.

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1 - Bolt

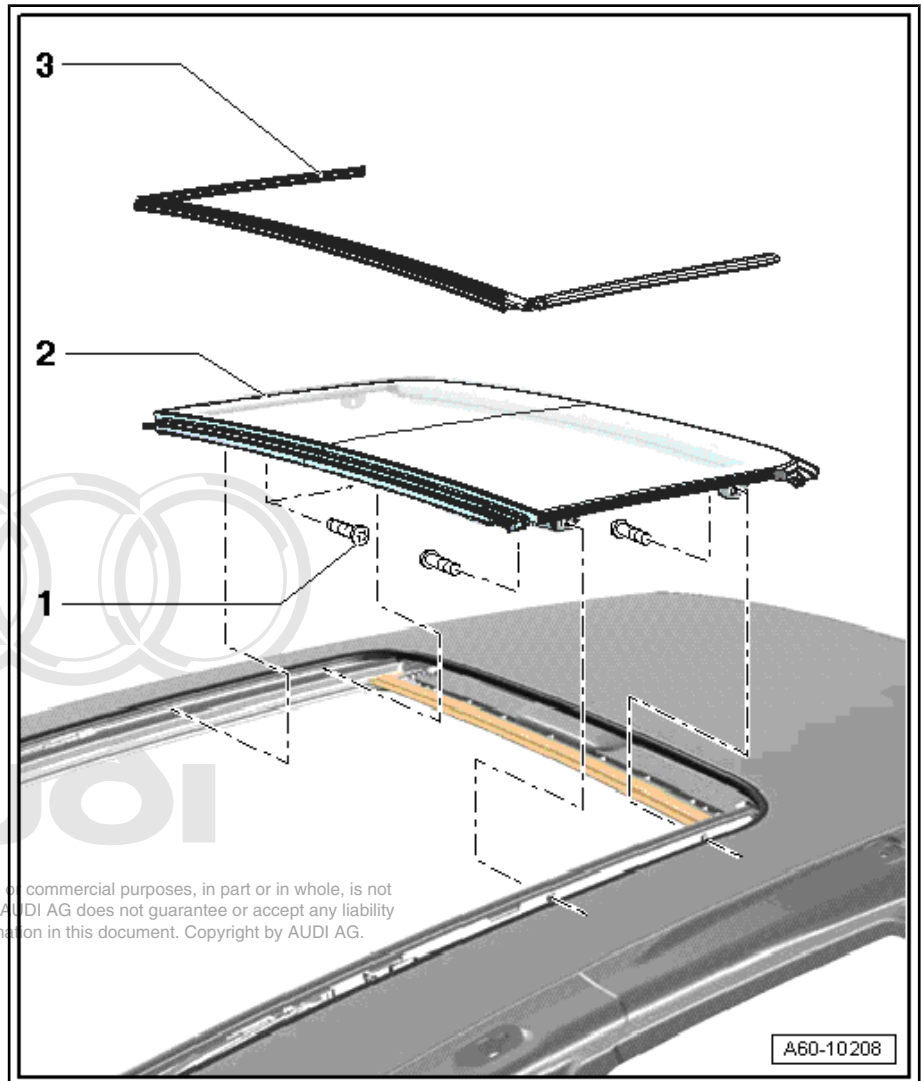
- 3 Nm

2 - Panel »2«

- To remove, fully open sunroof sun blind and pull off acoustic seal to the side
⇒ [Item 2 \(page 128\)](#) .
- Unscrew bolts on each side (front and rear) and lift out panel.

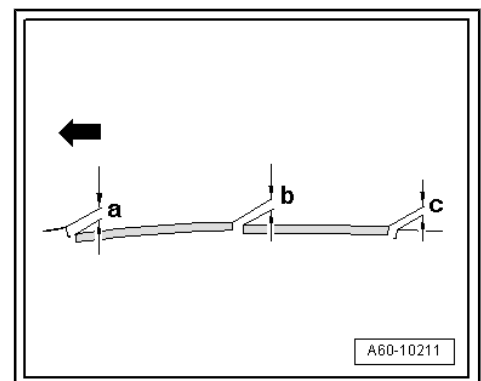
3 - Panel seal

- Panel »2« removed
- Starting at the side, pull panel seal off panel (left and right).
- Pull panel seal (front) upwards out of panel.
- When installing, align seal (front) centrally with panel and press into guides ⇒ [page 134](#) .
- Fit ends of seal onto lugs on moulding.



1.5 Adjusting glass panel

- Arrow = direction of travel (front)
- ◆ Dimension -a- = 1.5 mm
- ◆ Dimension -b- = 1.0 mm
- ◆ Dimension -c- = 0.5 mm
- All dimensions ± 0.5 mm



1.6 Removing and installing sliding sunroof adjustment control unit - J245-

- Remove interior light/reading light (front) ⇒ Rep. gr. 96 ; Controls; Removing and installing interior light/reading light (front) .
- Unplug electrical connectors.

- Remove bolts (3x) ➔ [Item 1 \(page 130\)](#) and take motor out through opening in headliner.
- After installing, perform adaption ➔ [page 134](#) .

1.7 Removing and installing sliding sunroof seals

Installing panel seal

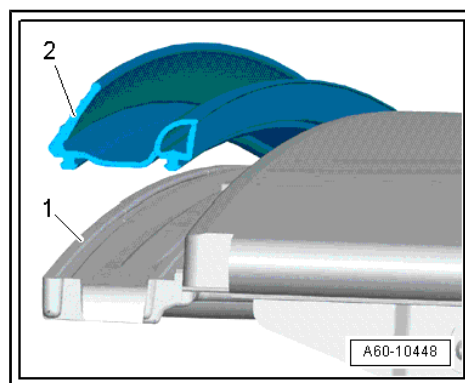


Note

Spray seal with soap solution to make installation easier.

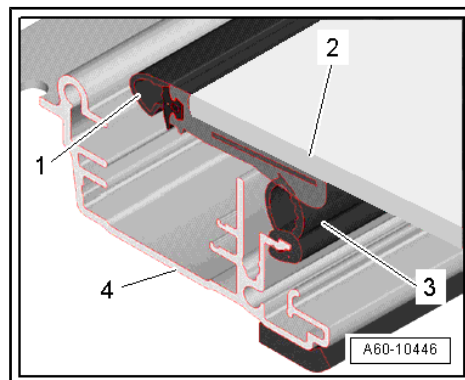
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- Align seal centrally with panel and press into two guides (front).



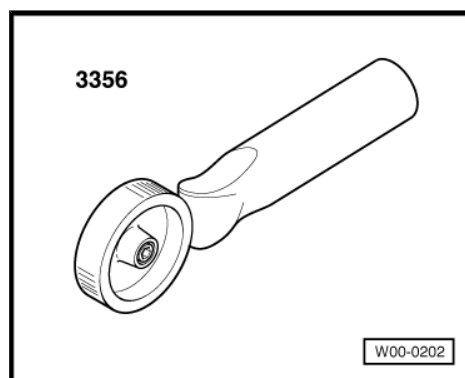
- Press seal -1- into guides at side of panel -2-.
- Only remove seal -3- after panel »2« has been removed.
- To do so, pull seal off frame -4- (at side).

Renewing seal for panoramic sunroof



Special tools and workshop equipment required

- ◆ Roller - 3356-

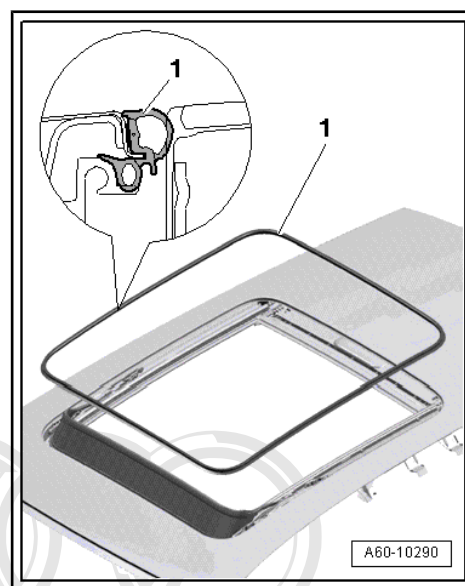




Note

- ◆ Remove any remaining adhesive from the body.
- ◆ Clean bonding surfaces on body with cleaning solution - D 009 401 04- .
- ◆ The bonding surfaces must be free of dust and grease.
- ◆ Before bonding, heat bonding surfaces and seal to approx. 40° C.
- ◆ After bonding on seal, press seal on firmly with roller - 3356- .

- Remove sunroof frame ⇒ [page 130](#) .
- Pull seal -1- to the side off body flange.
- Remove any residual adhesive and clean body flange.
- Peel off protective film from adhesive at rear section of seal and then press on rear section of seal (joint should be in centre of vehicle; observe marking).
- Press seal in at front corners.
- Press on front section of seal.
- Press on side sections of seal; if necessary, compress seal evenly to take up any excess length.
- Press seal on all around using roller - 3356- .



1.8 Removing and installing sliding sunroof sun blind

⇒ ["1.8.1 Removing and installing sliding sunroof sun blind", page 135](#)

⇒ ["1.8.2 Renewing cables for sunroof sun blind", page 137](#)

⇒ ["1.8.3 Adjusting zero position for cables", page 138](#)

⇒ ["1.8.4 Removing and installing motor for sunroof sun blind", page 138](#)

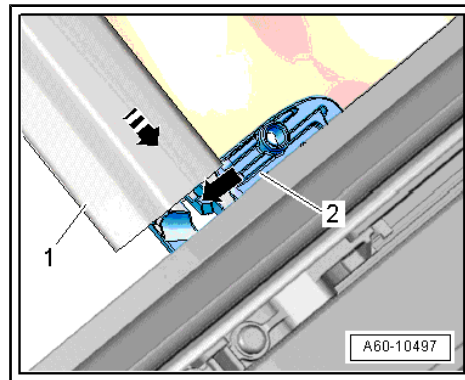
⇒ ["1.8.5 Adaption for motor", page 138](#)

1.8.1 Removing and installing sliding sunroof sun blind

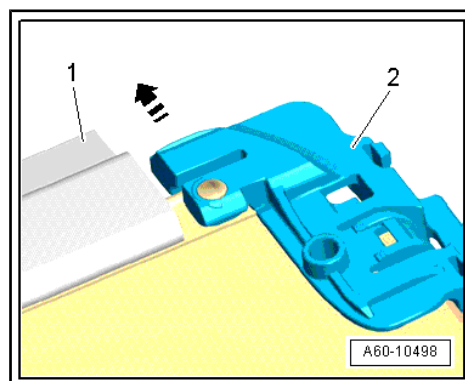
Removing

- Sunroof sun blind opened fully.
- Frame and panel »2« removed
- Sun blind adjustment motor removed

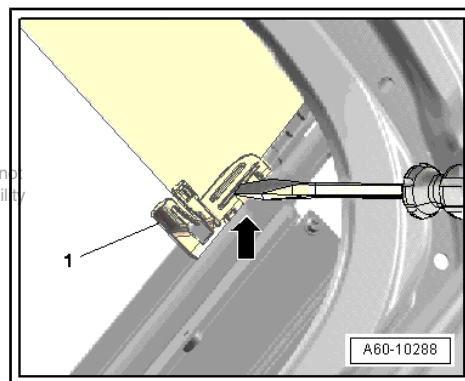
- Release cross strut (left-side) at actuator and insert in direction of -arrow-.



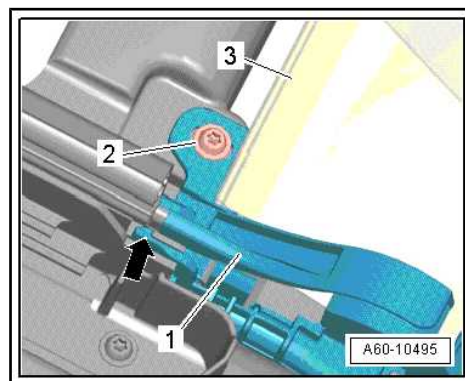
- On the opposite side, lift cross strut off actuator and pull out of fabric tube to the side.



- Using a small screwdriver, press fastener -arrow- outwards to the side and disengage.
- Slide actuator -1- of cable forwards slightly.



- Fold back sun blind fabric -3- and unscrew bolt -2- from cover -1-.
- Using a small screwdriver, press fastener -arrow- to the side (as shown) and release cover.

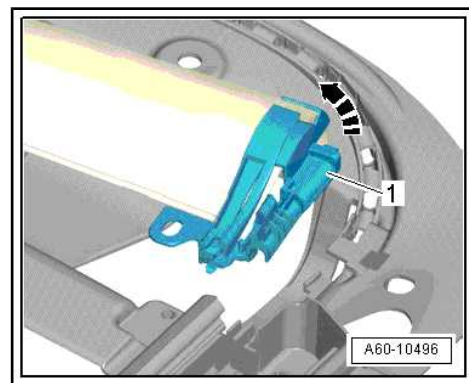


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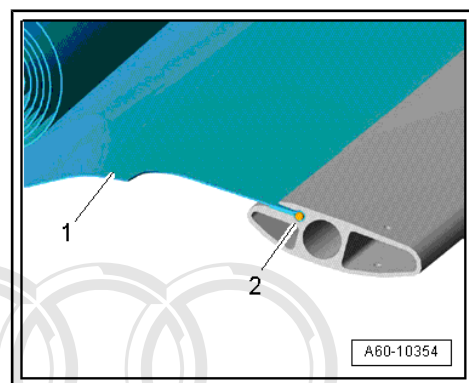
- Lift cover (rear) in direction of -arrow- and pull sun blind to rear out of frame with tensioning strap.

Installing

- Install in reverse order of removal.



- Carefully insert sun blind fabric -1- into moulding channel in tension bow -2-.



1.8.2 Renewing cables for sunroof sun blind

- Sunroof frame removed
- Sunroof roller blind control unit - J394- removed
- Cross strut for sunroof sun blind removed
- Sunroof sun blind removed
- Pull cable out of frame towards rear.
- When installing, make sure that actuators run parallel.

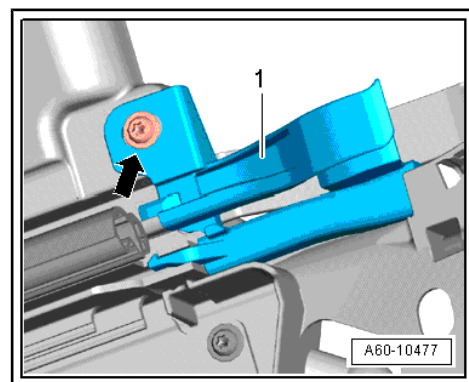
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Adjusting parallel running for cables

- When installing, the new cables must be adjusted so that they run parallel.
- Draw cables into frame on both sides.

Install sunroof sun blind.

- Insert cover -1- and secure with bolt.
- Slide cables on both sides towards rear as far as stop on cover -1- and install sunroof roller blind control unit - J394- .



- Engage tensioning strap -3- of sunroof sun blind in actuators
-2- of cable.

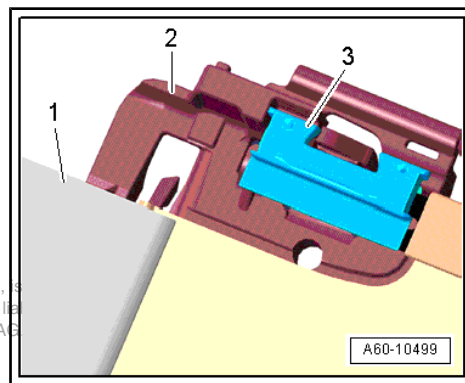


Note

Illustration shows view from underneath.

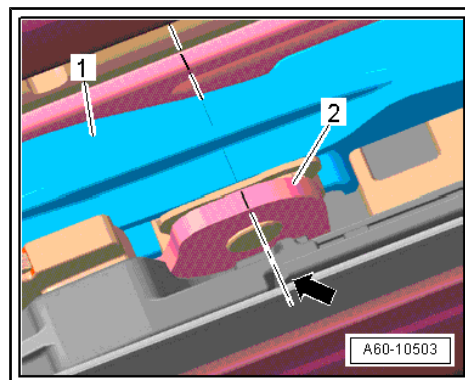
- ◆ Tension bow -1- removed

- Perform adaption ⇒ [page 138](#)



1.8.3 Adjusting zero position for cables

- Sunroof panel and sliding sunroof adjustment control unit - J245- removed
- Cables are adjusted correctly when markings on slotted guide -1- and tab -2- are in line with notch in frame -arrow-.



1.8.4 Removing and installing motor for sunroof sun blind

- Headliner removed ⇒ General body repairs, interior; Rep. gr. 70 ; Roof trim panels; Removing and installing moulded headliner .
- Unplug electrical connectors.
- Unscrew bolts (3x) ⇒ [Item 1 \(page 130\)](#) and detach motor from frame.
- After installing, perform adaption ⇒ [page 138](#) .

1.8.5 Adaption for motor



Note

After a motor has been removed and re-installed or renewed, the motor must be adapted so that the sliding panoramic sunroof can operate properly.



Caution

- Panel must be installed when performing adaption for sliding sunroof adjustment control unit - J245- - risk of damage.
- When the sliding sunroof adjustment control unit - J245- / sunroof roller blind control unit - J394- has been renewed, it has to be encoded and adapted via the Guided Functions mode in the Guided Fault Finding routine (diagnostic address 19) ⇒ Vehicle diagnostic tester.

1.9 Removing and installing wind deflector

1 - Frame for panoramic sunroof

2 - Wind deflector

- To remove, open panel »1« and retract towards rear of vehicle.
- Unfasten wind deflector net from retaining strip, starting at side (front) ➔ [page 139](#).
- Raise wind deflector and pull out of mounting to side.

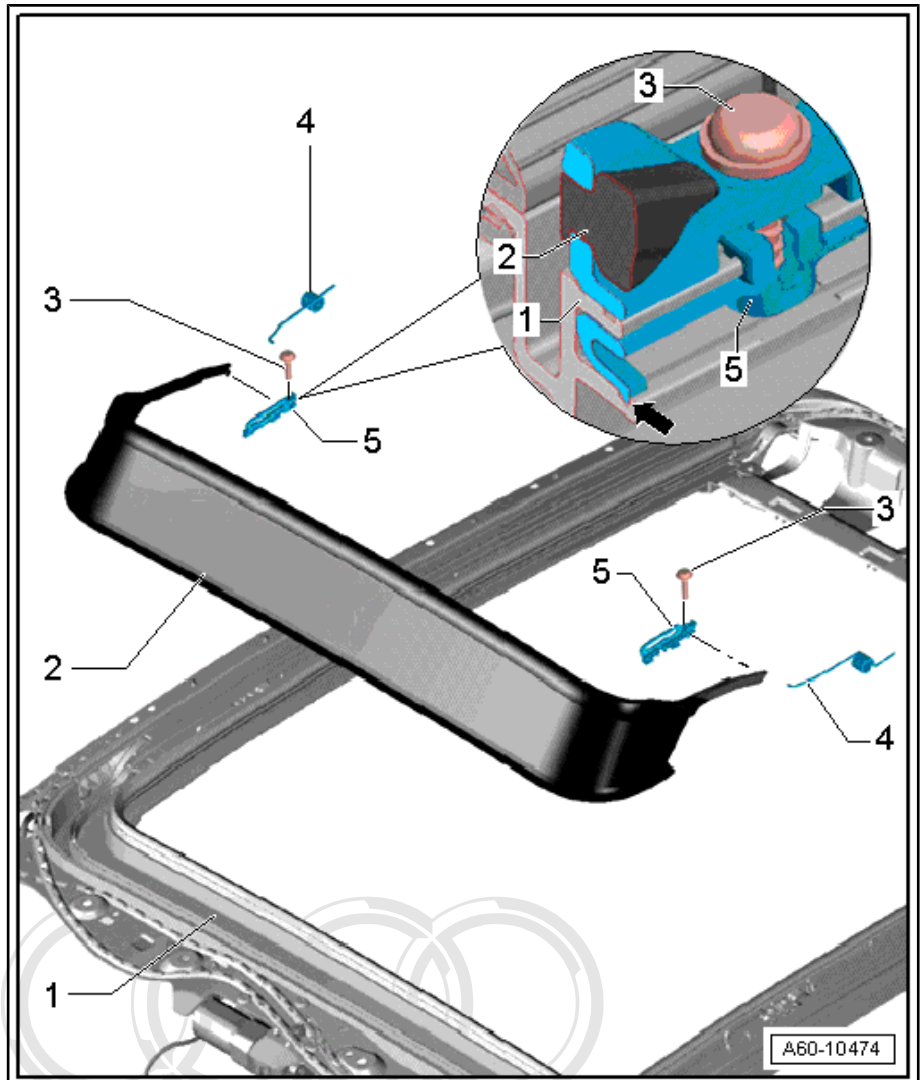
3 - Bolt

- 1 Nm

4 - Spring for wind deflector

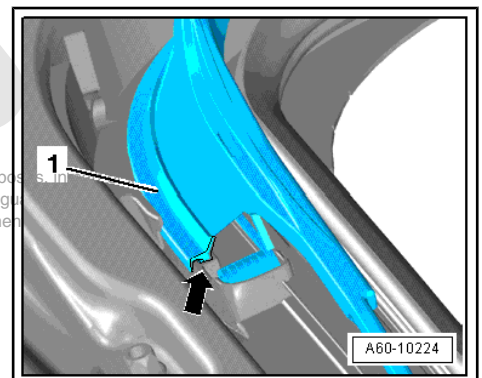
5 - Mounting for wind deflector

- Removing
- Remove bolts -3-.
- Press bottom of mounting -arrow- upwards out of groove, then pull it to the side out of frame.



Unfastening wind deflector from frame

- To remove, gradually unfasten wind deflector net from retaining strip -1-, starting at side -arrow-.

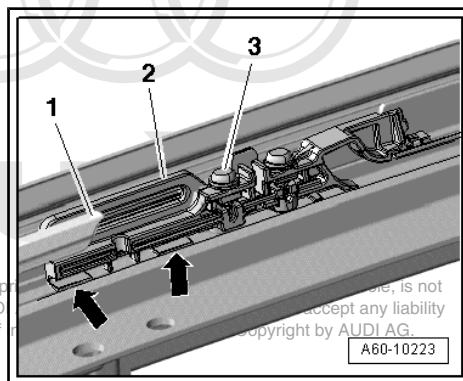


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Renewing mountings for wind deflector

- Wind deflector -1- removed
- Unscrew bolt -3-.
- Carefully lift mounting -2- out of groove at positions marked with -arrows-, taking care not to damage paintwork, and slide out to side.
- To install, slide in from side; mountings will engage in groove.

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2 Water drain hoses

⇒ [“2.1 Overview - water drain hoses”, page 141](#)

⇒ [“2.2 Cleaning water drain hoses”, page 141](#)

⇒ [“2.3 Removing and installing water drain hoses”, page 142](#)

2.1 Overview - water drain hoses

1 - Water drain hose (front)

- ☐ Removing and installing
⇒ [page 142](#)
- ☐ Cleaning ⇒ [page 141](#)

2 - Panoramic sunroof

3 - Water drain hose (rear)

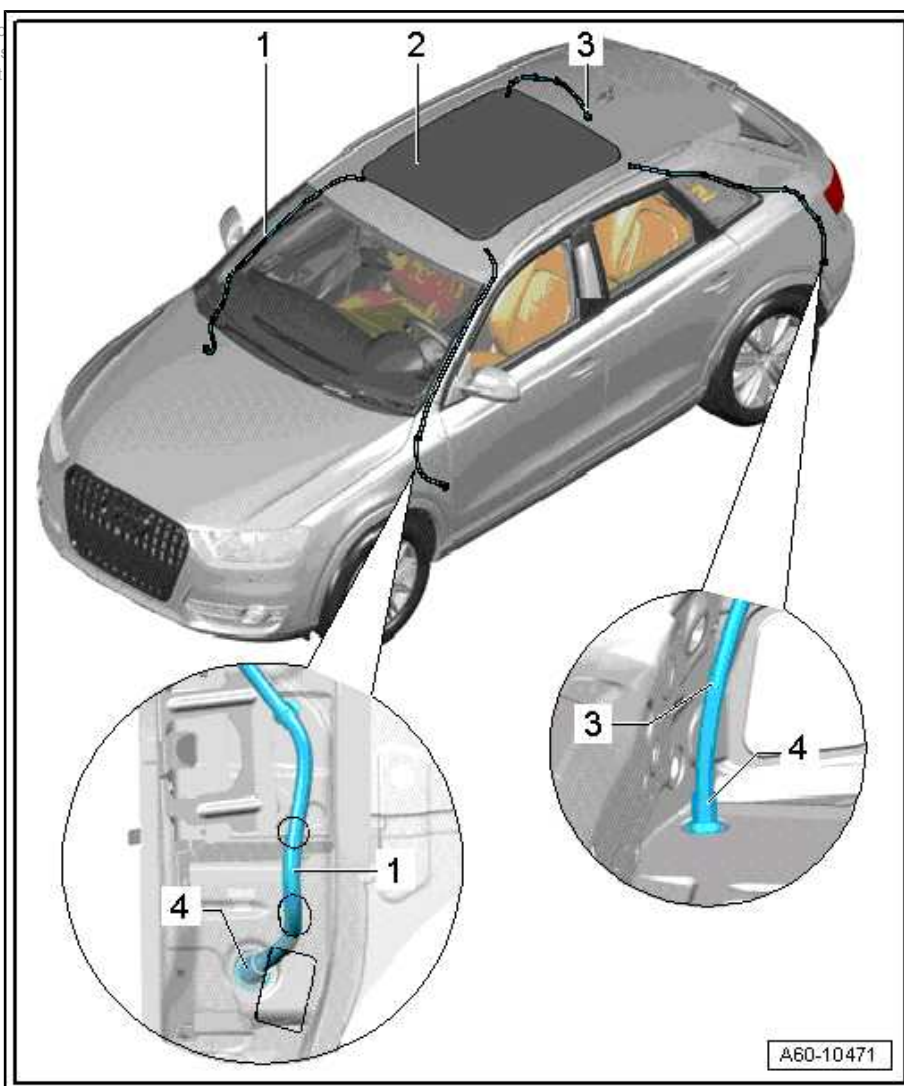
- ☐ Removing and installing
⇒ [page 144](#)
- ☐ Cleaning ⇒ [page 141](#)

4 - Plug

- ☐ Only on vehicles without
panoramic sunroof

5 - Grommet

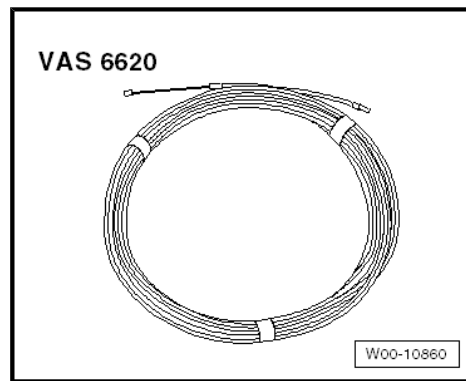
- ☐ Press completely into
body flange



2.2 Cleaning water drain hoses

Special tools and workshop equipment required

◆ Cleaning and insertion aid - VAS 6620-



Note

Use to clean water drain hoses.

Water drain hose (front)

- When cleaning, work from panoramic sunroof opening.

Water drain hose (rear)

- Clean from lower end of hose.



Note

To do so, wheel housing liner must be unfastened and pressed to the side in this area ⇒ [page 276](#) .

2.3 Removing and installing water drain hoses

⇒ ["2.3.1 Removing and installing water drain hose \(front\)", page 142](#)

⇒ ["2.3.2 Removing and installing water drain hose \(rear\)", page 144](#)

2.3.1 Removing and installing water drain hose (front)



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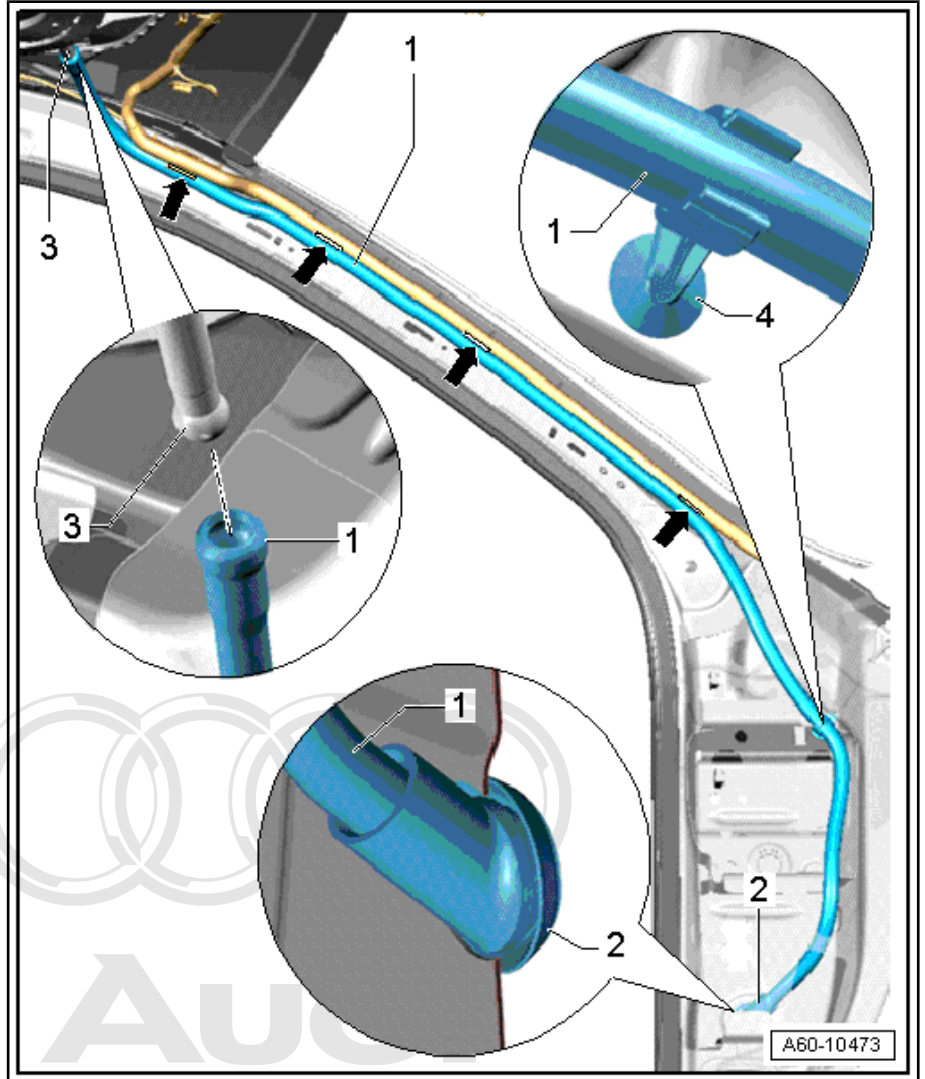
1 - Water drain hose (front)

❑ Removing:

- A-pillar trim removed ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing A-pillar trim .
- Pull water drain hose off connection -3-.
- Unclip water drain hose (4x) -arrows- and pull hose out of retainer -4-.
- Unfasten grommet -2- at A-pillar and pull water drain hose downwards out of A-pillar.

❑ Installing:

- When installing, pull hose into A-pillar from below.
- Push upwards and pull out as shown in detail view. Then attach it to connection on sliding panoramic sunroof.
- Press water drain hose into clips -arrows- and secure in retainer -4-.



2 - Grommet

❑ Permanently attached

to water drain hose; must be pressed completely into A-pillar (bottom) in whole, is not permitted unless authorised by AUDI AG. AUDI AG does not guarantee or accept any liability for the correctness of information in this document. Copyright by AUDI AG.

3 - Connection (front) for water drain

- ❑ To fit hose, press it onto end piece as far as stop.

4 - Retainer

2.3.2 Removing and installing water drain hose (rear)

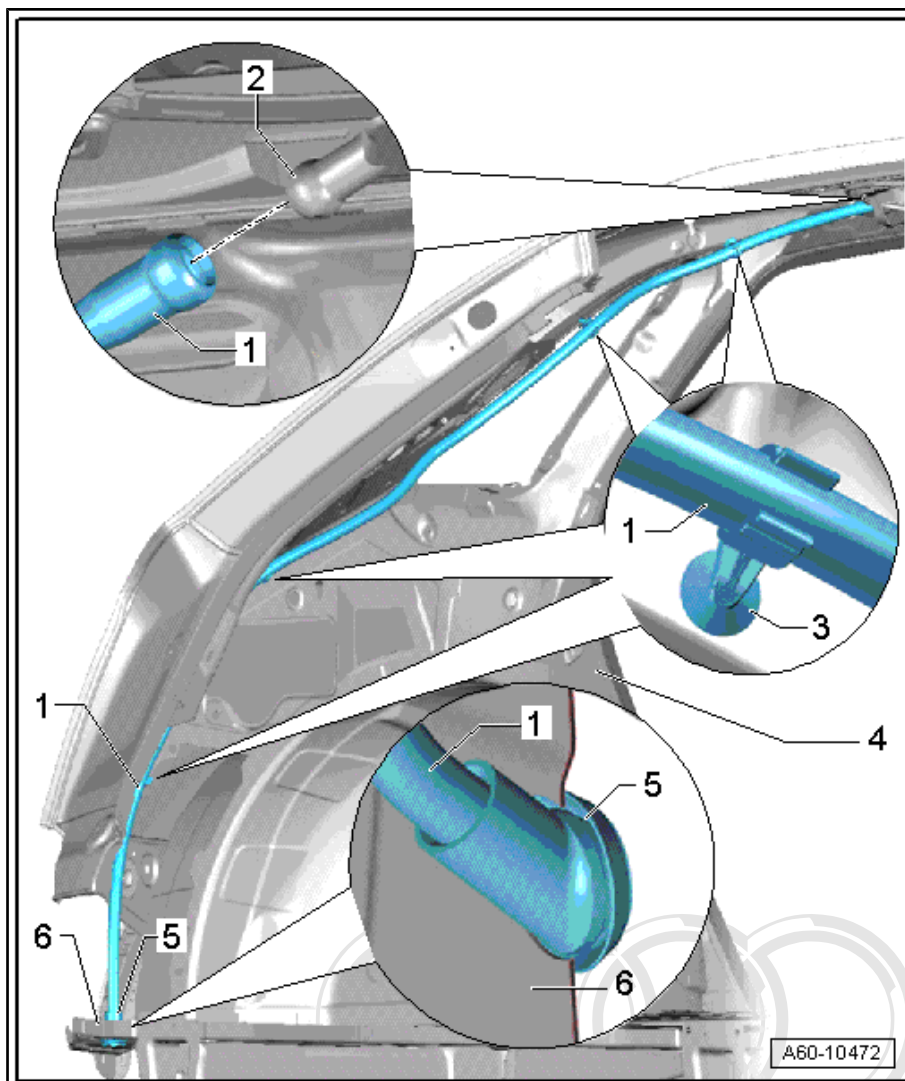
1 - Water drain hose (rear)

❑ Removing:

- D-pillar trim removed ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing D-pillar trim .
- Wheel housing liner (rear) removed
⇒ [page 276](#)
- Unfasten retainers -3- and detach water drain hose from connection -2-.
- Unfasten grommet -4- at top of wheel housing liner and pull out water drain hose downwards.

❑ Installing:

- When installing, insert hose through wheel housing from below.
- Slide it upwards and route it along D-pillar, as shown, and attach it to end piece of sliding panoramic sunroof.
- Secure water drain hose in position with retainers.
- Press in grommet at rear of wheel housing.



2 - Connection (rear) for water drain

3 - Retainer

4 - Grommet

- ❑ Must be pressed into wheel housing completely

5 - Wheel housing

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63 – Bumpers

1 Bumper (front)

⇒ [“1.1 Exploded view - bumper cover”, page 145](#)

⇒ [“1.2 Exploded view - impact bar”, page 152](#)

⇒ [“1.3 Removing and installing bumper cover”, page 152](#)

⇒ [“1.4 Removing and installing impact bar”, page 154](#)

⇒ [“1.5 Removing and installing attachments”, page 155](#)

1.1 Exploded view - bumper cover

⇒ [“1.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014”, page 145](#)

⇒ [“1.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards”, page 147](#)

⇒ [“1.1.3 Exploded view - bumper cover, Audi Q3 offroad”, page 148](#)

⇒ [“1.1.4 Exploded view - bumper cover, Audi RS Q3 up to model year 2014”, page 149](#)

⇒ [“1.1.5 Exploded view - bumper cover, Audi RS Q3 from model year 2015 onwards”, page 150](#)

⇒ [“1.1.6 Exploded view - bumper cover, lock carrier cover, air intake grille, closure plate”, page 151](#)

1.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014



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1 - Bumper cover (bottom section)

- ☐ Removing and installing
⇒ [page 158](#)

2 - Bolt

- ☐ 6x
- ☐ 2 Nm

3 - Bumper cover (centre section)

- ☐ Removing and installing
⇒ [page 160](#)

4 - Moulded foam insert

- ☐ Removing and installing
⇒ [page 161](#)

5 - Bolt

- ☐ 8x
- ☐ 2 Nm

6 - Bumper cover (outer section)

- ☐ Removing and installing
⇒ [page 152](#)
- ☐ Removing and installing bumper cover (outer section) ⇒ [page 160](#)

7 - Clip nut

- ☐ 2x

8 - Bolt

- ☐ 2 Nm

9 - Trim panel

- ☐ For air intake grille
- ☐ Removing and installing ⇒ [page 164](#)

10 - Cover for washer jet

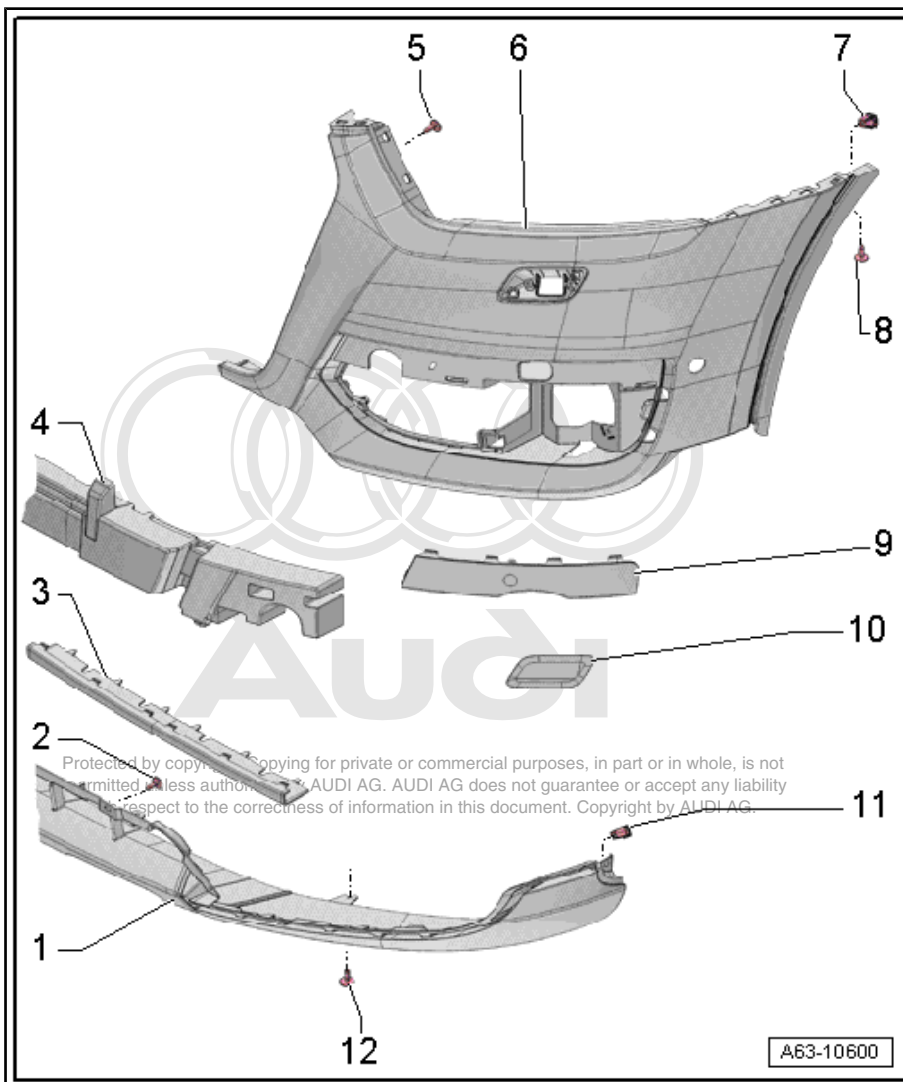
- ☐ For headlight washer system
- ☐ Removing and installing ⇒ [page 163](#)

11 - Clip nut

- ☐ 2x

12 - Bolt

- ☐ 4x
- ☐ 2.5 Nm



1.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards

1 - Bumper cover (bottom section)

- ☐ Removing and installing
⇒ [page 159](#)

2 - Air intake grille

- ☐ Removing and installing
⇒ [page 165](#)

3 - Bumper cover

- ☐ Removing and installing
⇒ [page 152](#)

4 - Grille (centre)

- ☐ Removing and installing
⇒ [page 158](#)

5 - Bolt

- ☐ 14x
- ☐ 2 Nm

6 - Moulded foam insert

- ☐ Removing and installing
⇒ [page 161](#)

7 - Bolt

- ☐ 2 Nm

8 - Cover for washer jet

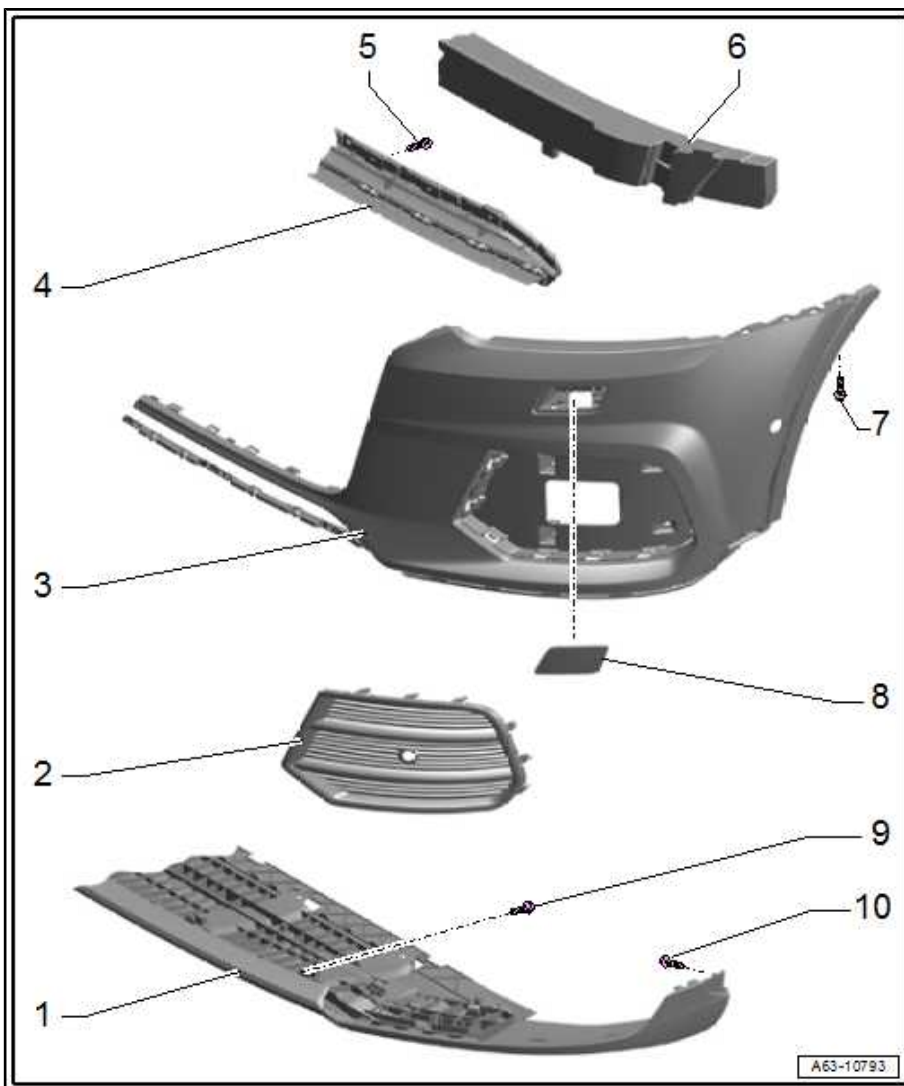
- ☐ For headlight washer system
- ☐ Removing and installing
⇒ [page 163](#)

9 - Bolt

- ☐ 4x
- ☐ 2 Nm

10 - Bolt

- ☐ 2 Nm



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1.1.3 Exploded view - bumper cover, Audi Q3 offroad

1 - Bolt

- ☐ 4x
- ☐ 2.5 Nm

2 - Skid plate

- ☐ Removing and installing
⇒ [page 168](#)

3 - Grille (centre)

- ☐ Removing and installing:

◆ Audi Q3 offroad
⇒ [page 157](#)

◆ Audi Q3 S line
⇒ [page 157](#)

4 - Bolt

- ☐ 16x
- ☐ 2 Nm

5 - Bumper cover (outer section)

- ☐ Removing and installing
⇒ [page 152](#)
- ☐ Removing and installing bumper cover (outer section) ⇒ [page 160](#)

6 - Moulded foam insert

- ☐ Removing and installing
⇒ [page 161](#)

7 - Bolt

- ☐ 2 Nm

8 - Cover for washer jet

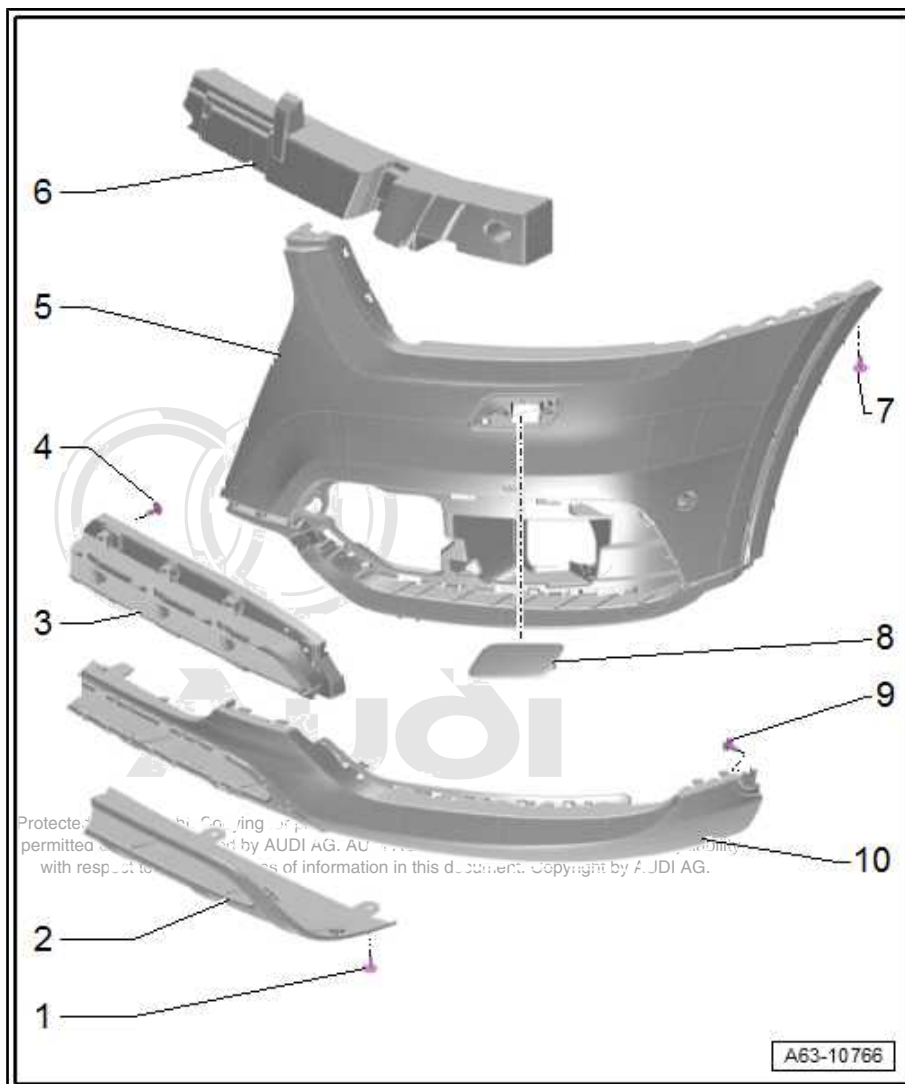
- ☐ For headlight washer system
- ☐ Removing and installing ⇒ [page 163](#)

9 - Bolt

- ☐ 2 Nm

10 - Bumper cover (bottom section)

- ☐ Removing and installing ⇒ [page 159](#)



1.1.4 Exploded view - bumper cover, Audi RS Q3 up to model year 2014

1 - Air intake grille

- ☐ Removing and installing
⇒ [page 165](#)

2 - Trim panel

- ☐ For air intake grille

3 - Bolt

- ☐ 2x
- ☐ 2.5 Nm

4 - Spoiler (bottom section)

- ☐ Removing and installing
⇒ [page 168](#)

5 - Bumper cover

- ☐ Removing and installing
⇒ [page 152](#)

6 - Mounting

- ☐ For moulded foam insert
- ☐ Removing and installing
⇒ [page 163](#)

7 - Moulded foam insert

- ☐ Removing and installing
⇒ [page 162](#)

8 - Bolt

- ☐ 2 Nm

9 - Bolt

- ☐ 2 Nm

10 - Clip nut

- ☐ 2x

11 - Spreader rivet

- ☐ 2x

12 - Intermediate piece

- ☐ For securing wheel housing liner

13 - Cover for washer jet

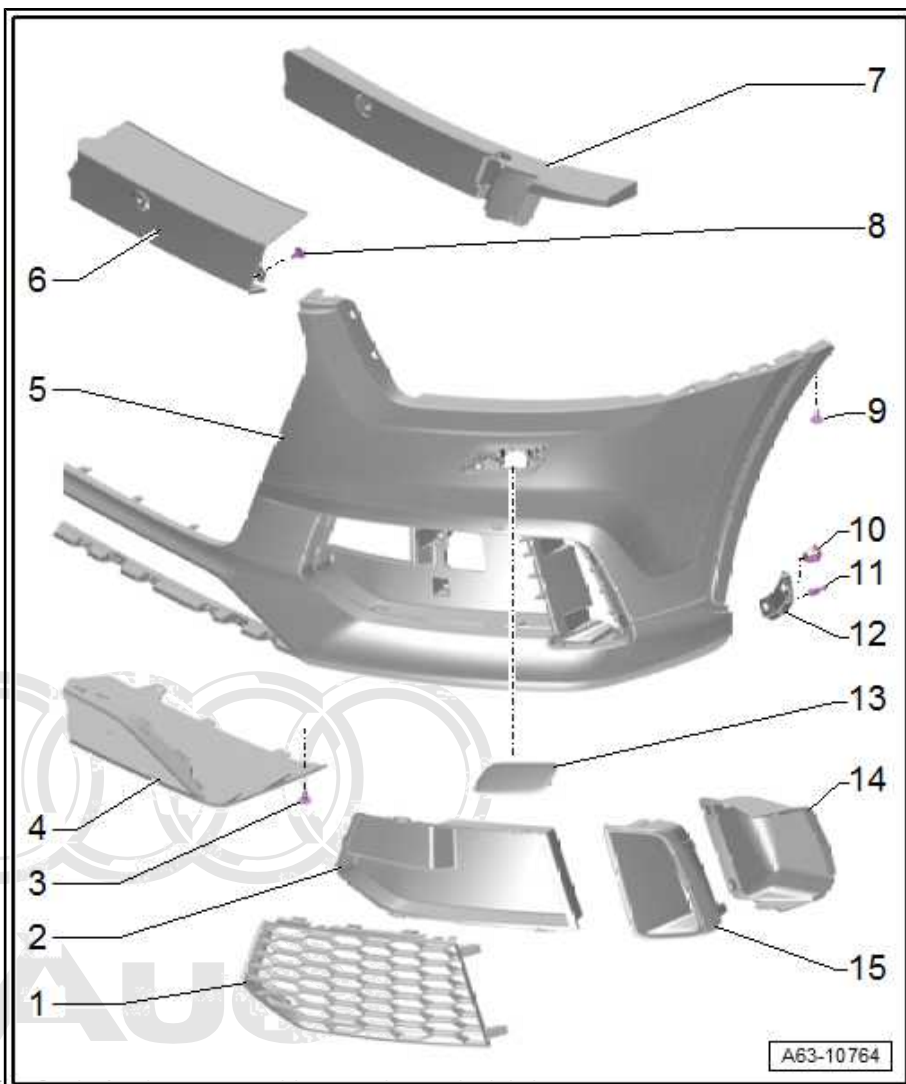
- ☐ For headlight washer system
- ☐ Removing and installing ⇒ [page 163](#)

14 - Mounting

- ☐ For outer air intake grille
- ☐ Removing and installing
⇒ ["1.5.23 Removing and installing trim for air inlet \(side\) - Audi RS Q3 up to model year 2014", page 166](#)

15 - Trim

- ☐ For air inlet (side)
- ☐ Removing and installing ⇒ [page 166](#)



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1.1.5 Exploded view - bumper cover, Audi RS Q3 from model year 2015 onwards

1 - Air intake grille

- ☐ Removing and installing
⇒ [page 165](#)

2 - Trim

- ☐ For air intake grille

3 - Bolt

- ☐ 2x
- ☐ 2.5 Nm

4 - Spoiler (bottom section)

- ☐ Removing and installing
⇒ [page 168](#)

5 - Bumper cover

- ☐ Removing and installing
⇒ [page 152](#)

6 - Mounting

- ☐ For moulded foam insert
- ☐ Removing and installing
⇒ [page 163](#)

7 - Moulded foam insert

- ☐ Removing and installing
⇒ [page 162](#)

8 - Bolt

- ☐ 2 Nm

9 - Clip nut

- ☐ 2x

10 - Spreader rivet

- ☐ 2x

11 - Intermediate piece

- ☐ For securing wheel housing liner

12 - Mounting

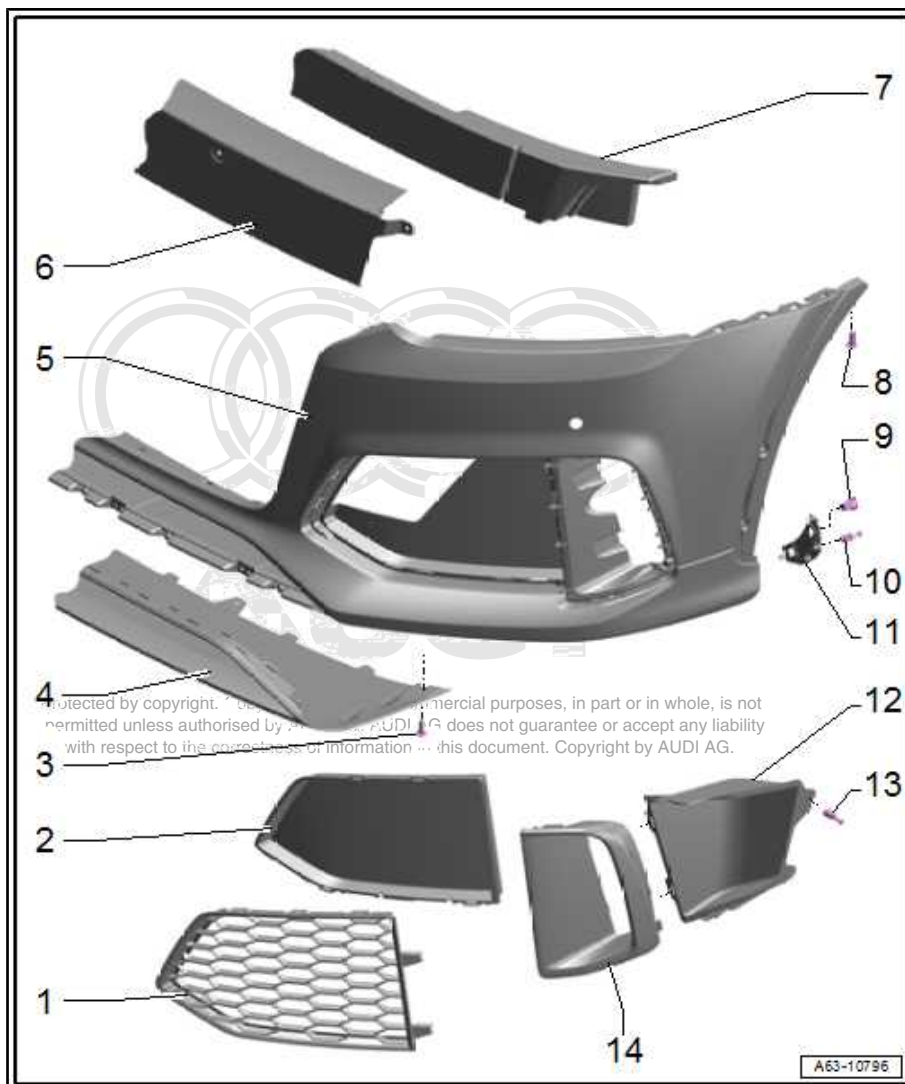
- ☐ For outer air intake grille
- ☐ Removing and installing ⇒ [page 167](#)

13 - Spreader rivet

- ☐ 2x

14 - Trim

- ☐ For air inlet (side)
- ☐ Removing and installing ⇒ [page 167](#)



1.1.6 Exploded view - bumper cover, lock carrier cover, air intake grille, closure plate

1 - Closure plate for bumper cover

- ☐ Removing and installing
⇒ [page 157](#)

2 - Lock carrier cover

- ☐ Different versions ⇒
Electronic parts catalogue
- ☐ Removing and installing:
- ◆ Up to model year 2014
⇒ [page 156](#)
- ◆ From model year 2015 onwards ⇒ [page 156](#)

3 - Fastener

- ☐ Vehicles up to model year 2014
- ☐ 4x

4 - Air intake grille

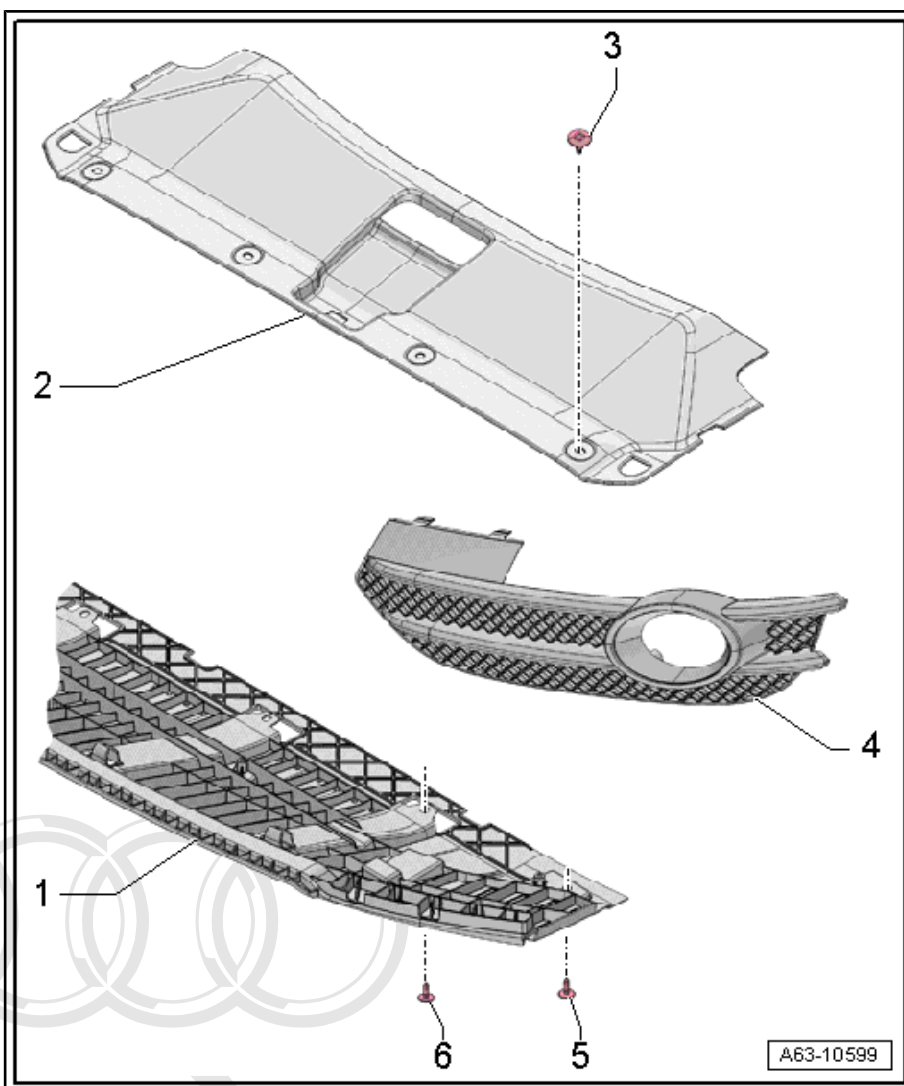
- ☐ Vehicles up to model year 2014
- ☐ Different versions ⇒
Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 164](#)

5 - Bolt

- ☐ 2.5 Nm

6 - Bolt

- ☐ 4x
- ☐ 2.5 Nm



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1.2 Exploded view - impact bar

1 - Impact bar

- ☐ Removing and installing
⇒ [page 154](#)

2 - Cover

- ☐ Equipment version ⇒
Electronic parts cata-
logue
- ☐ For impact bar

3 - Bolt

- ☐ 4.5 Nm

4 - Retainer for mounting (bot- tom)

- ☐ For bumper cover
- ☐ Removing and installing
⇒ [page 169](#)

5 - Bolt

- ☐ 3x
- ☐ 55 Nm

6 - Securing clip

- ☐ For attachment to lock
carrier

7 - Bolt

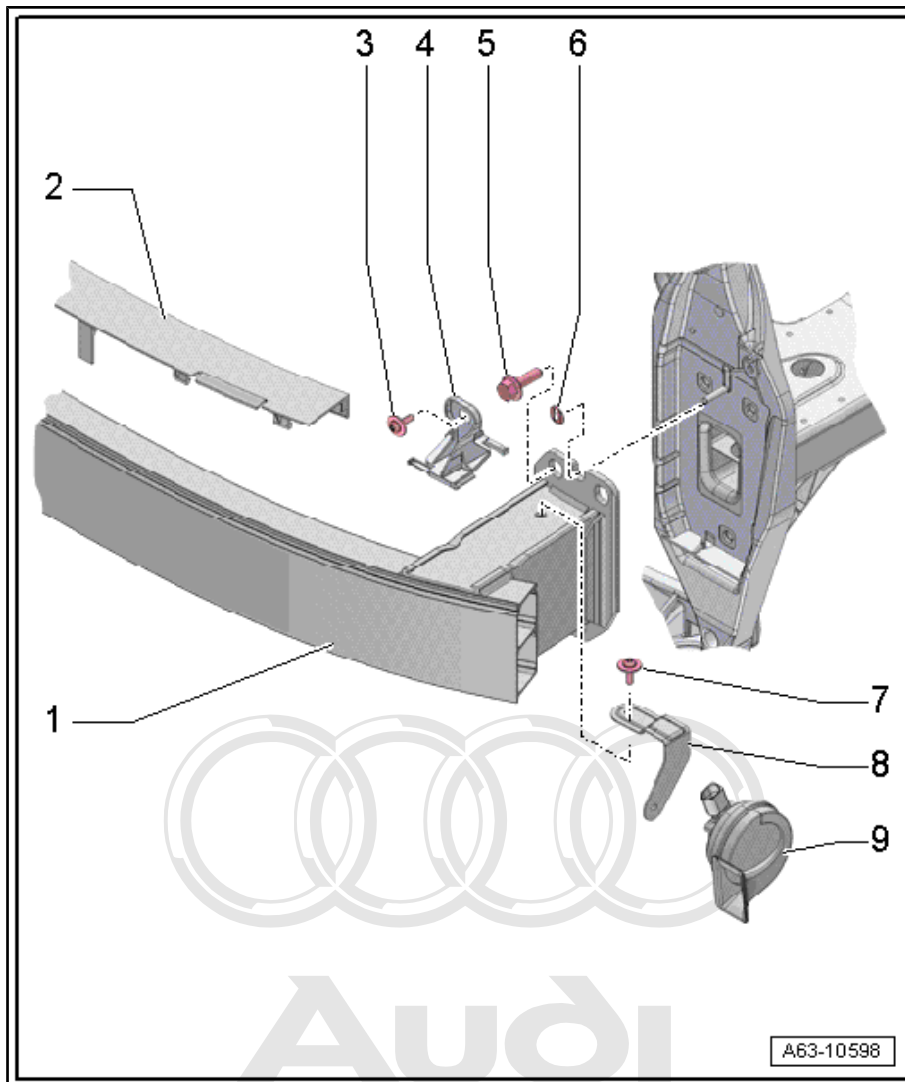
- ☐ Tightening torque ⇒
Electrical system; Rep.
gr. 90 ; Horn; Exploded
view - horn

8 - Bracket

- ☐ For horn
- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 90 ; Horn; Re-
moving and installing
treble horn - H2- / bass horn - H7-

9 - Horn

- ☐ Removing and installing ⇒ Electrical system; Rep. gr. 90 ; Horn; Exploded view - horn



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1.3 Removing and installing bumper cover

⇒ ["1.3.1 Removing and installing bumper cover", page 152](#)

⇒ ["1.3.2 Adjusting bumper cover \(front\)", page 153](#)

1.3.1 Removing and installing bumper cover

Removing

- Remove wheel spoiler (front) ⇒ [page 275](#) .
- Remove wheel housing liner (front) ⇒ [page 275](#) .

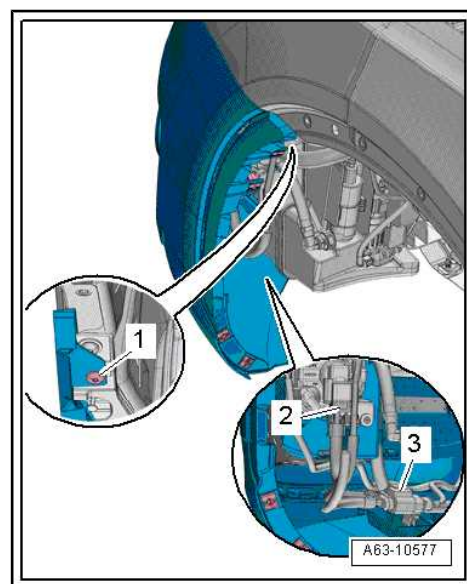
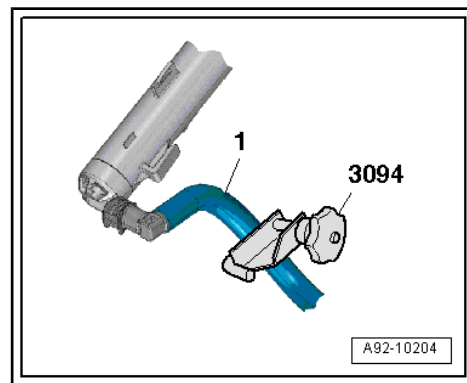
- Clamp off fluid hose -1- with hose clamp -3094- .



Note

Place a cloth under the point where the water hose was disconnected to catch escaping water.

- Vehicles up to model year 2014: Press release button and detach fluid line from washer jet.
- Vehicles from model year 2015 onwards: Press release button, detach fluid line from headlight washer system pump and move fluid line clear.
- Release retaining tabs of wheel arch cover (front) at bumper cover from inside ➔ [page 245](#) .
- Unscrew bolt -1-.
- If fitted, unplug electrical connector -2- at fog light.
- Unplug main connectors -3-.
- Remove lock carrier cover ➔ [page 156](#) .



- Unscrew bolts -1, 2 and 3- and -arrows A-.
- Detach side section -5- from side panel (front) -arrow B- and detach bumper cover -4- towards the front with the help of a second mechanic.

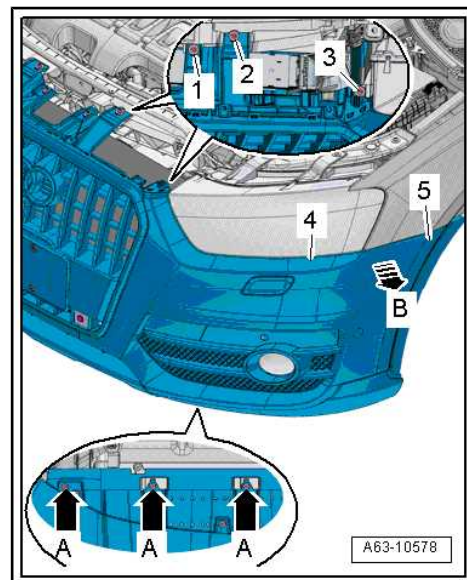
Installing

Install in reverse order of removal.

Tightening torques

- ◆ ➔ ["1.1 Exploded view - bumper cover", page 145](#) .

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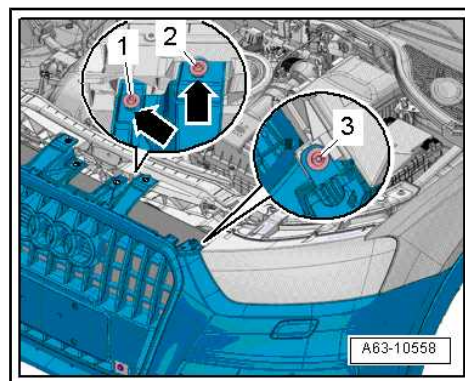
1.3.2 Adjusting bumper cover (front)

Procedure

- Tightening torques
➔ ["1.1 Exploded view - bumper cover", page 145](#)
- Remove lock carrier cover ➔ [page 155](#) .

Longitudinal adjustment:

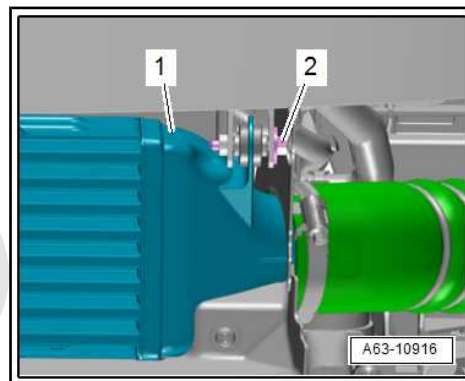
- Loosen bolts -1, 2 and 3-.
- Align bumper cover (front) longitudinally according to markings -arrows-.
- Tighten bolts.
- Check that gap width is even and repeat adjustment if necessary.



1.4 Removing and installing impact bar

Removing

- Remove bumper cover (front) ➔ [page 152](#) .
- Unplug electrical connector at horns and move it clear.
- If fitted, unscrew bolt -2- on charge air cooler -1-.



- Detach securing clip -3-.
- Remove bolts -1, 2, 4 and 5-.
- Swivel top of impact bar -6- down towards front -arrow- and detach from lock carrier.

– If impact bar is to be renewed:

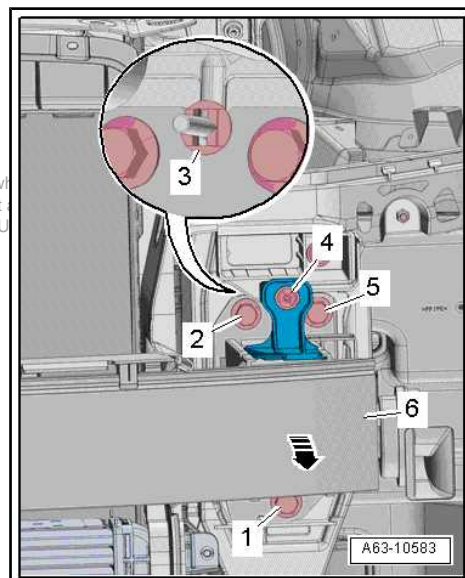
- ◆ Remove horn brackets ➔ [Electrical system, Rep. gr. 90](#) ; Horn; Exploded view - horn .
- ◆ Remove retainer for mounting (bottom) ➔ [page 169](#) .
- ◆ Detach cover for impact bar.

Installing

- Tightening torque
 ➔ ["1.2 Exploded view - impact bar", page 152](#)

Install in reverse order of removal; note the following:

- Install charge air cooler ➔ [Rep. gr. 21 ; Charge air system; Exploded view - charge air system](#) .
- Install bumper cover (front) ➔ [page 152](#) .



1.5 Removing and installing attachments

⇒ [“1.5.1 Removing and installing lock carrier cover - vehicles up to model year 2014”, page 156](#)

⇒ [“1.5.2 Removing and installing lock carrier cover - vehicles from model year 2015 onwards”, page 156](#)

⇒ [“1.5.3 Removing and installing closure plate for bumper cover \(front\)”, page 157](#)

⇒ [“1.5.4 Removing and installing grille \(centre\) - Audi Q3 offroad up to model year 2014”, page 157](#)

⇒ [“1.5.5 Removing and installing grille \(centre\) - Audi Q3 S line up to model year 2014”, page 157](#)

⇒ [“1.5.6 Removing and installing grille \(centre\) - Audi Q3 from model year 2015 onwards”, page 158](#)

⇒ [“1.5.7 Removing and installing bumper cover \(bottom section\), Audi Q3”, page 158](#)

⇒ [“1.5.8 Removing and installing bumper cover \(bottom section\) - Audi Q3 offroad up to model year 2014”, page 159](#)

⇒ [“1.5.9 Removing and installing bumper cover \(bottom section\) - Audi Q3 from model year 2015 onwards”, page 159](#)

⇒ [“1.5.10 Removing and installing bumper cover \(centre section\)”, page 160](#)

⇒ [“1.5.11 Removing and installing bumper cover \(outer section\), Audi Q3”, page 160](#)

⇒ [“1.5.12 Removing and installing bumper cover \(outer section\) - Audi Q3 offroad up to model year 2014”, page 161](#)

⇒ [“1.5.13 Removing and installing moulded foam insert - Audi Q3 up to model year 2014”, page 161](#)

⇒ [“1.5.14 Removing and installing moulded foam insert - Audi Q3 from model year 2015 onwards”, page 161](#)

⇒ [“1.5.15 Removing and installing moulded foam insert - Audi RS Q3”, page 162](#)

⇒ [“1.5.16 Removing and installing mounting for moulded foam insert - Audi RS Q3 up to model year 2014”, page 162](#)

⇒ [“1.5.17 Removing and installing mounting for moulded foam insert - Audi RS Q3 from model year 2015 onwards”, page 163](#)

⇒ [“1.5.18 Removing and installing cover for headlight washer jet”, page 163](#)

⇒ [“1.5.19 Removing and installing trim panel for air intake grille”, page 164](#)

⇒ [“1.5.20 Removing and installing air intake grille - vehicles up to model year 2014”, page 164](#)

⇒ [“1.5.21 Removing and installing air intake grille - vehicles from model year 2015 onwards”, page 165](#)

⇒ [“1.5.22 Removing and installing air intake grille - Audi RS Q3”, page 165](#)

⇒ [“1.5.23 Removing and installing trim for air inlet \(side\) - Audi RS Q3 up to model year 2014”, page 166](#)

⇒ [“1.5.24 Removing and installing trim for air inlet \(side\) - Audi RS Q3 from model year 2015 onwards”, page 167](#)

⇒ [“1.5.25 Removing and installing skid plate, Audi Q3 offroad”, page 168](#)

⇒ "1.5.26 Removing and installing spoiler (bottom section), RS Q3", page 168

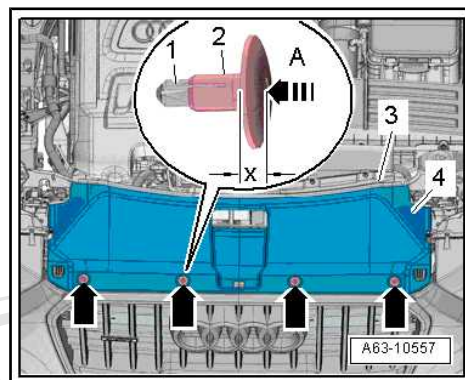
⇒ "1.5.27 Removing and installing retainer for bumper cover mounting (bottom)", page 169

⇒ "1.5.28 Removing and installing bracket for ambient temperature sensor G17", page 170

1.5.1 Removing and installing lock carrier cover - vehicles up to model year 2014

Removing

- To remove fasteners -arrows-, carefully press locking pin -1- into fastener -arrow A- by dimension -x- until it engages audibly.
- Dimension -x- = 5 mm
- Pull out released fastener -2- together with locking pin.
- Pull lock carrier cover -4- out of groove on lock carrier -3- and detach.



Installing

Install in reverse order of removal; note the following:

- Insert fastener and press in locking pin until it engages audibly.

1.5.2 Removing and installing lock carrier cover - vehicles from model year 2015 onwards

Special tools and workshop equipment required

- ◆ Scraper (very hard, wide) from scraper set - VAS 6845-

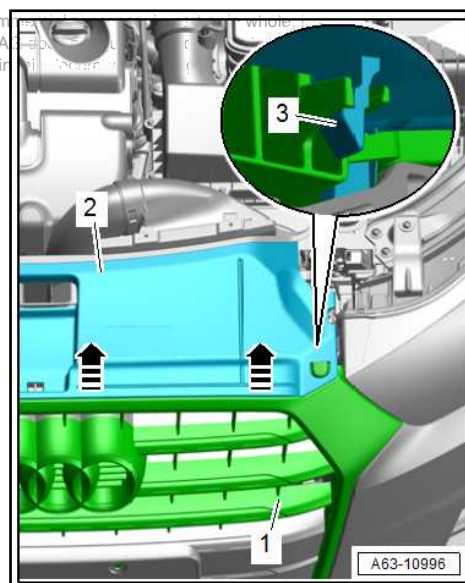
Removing

- Use scraper (very hard, wide) to press lock carrier cover -2- off upwards -arrows-; to do so, insert scraper carefully between radiator grille -1- and lock carrier cover.
- This disengages retaining catches -3-.
- Pull lock carrier cover out of groove on lock carrier and detach.

Installing

Install in reverse order of removal; note the following:

- Insert lock carrier cover into groove in lock carrier and press on at radiator grille and bumper cover.



1.5.3 Removing and installing closure plate for bumper cover (front)

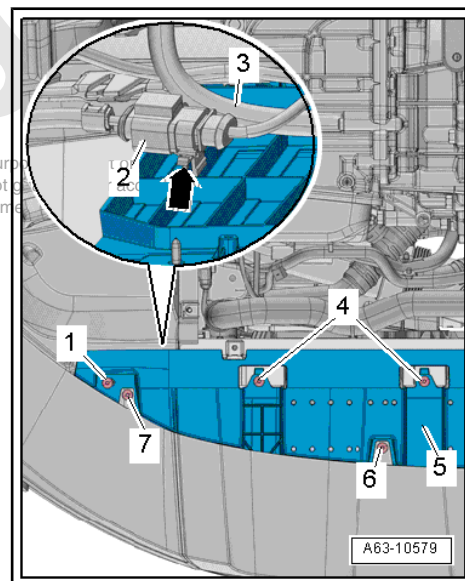
Removing

- Remove bolts -1, 4, 6 and 7-.
- Press closure plate -5- downwards slightly and pull electrical connector -2- off retainer -arrow-.
- If fitted, move headlight washer fluid line -3- clear.
- Audi Q3 from model year 2015 onwards: Unplug electrical connector for ambient temperature sensor -G17- and move wiring harness clear.
- Detach closure plate for bumper cover (front) towards rear (as seen in direction of travel).

Installing

- Tightening torques
⇒ ["1.1 Exploded view - bumper cover", page 145](#)

Install in reverse order of removal.



1.5.4 Removing and installing grille (centre) - Audi Q3 offroad up to model year 2014

Removing

- Remove noise insulation ⇒ [page 257](#) .
- Remove closure plate for bumper cover (front) ⇒ [page 157](#) .
- Remove bolts -arrows-.
- Unplug electrical connector -4- and move bracket -3- with ambient temperature sensor - G17- to one side.
- Release fasteners -2- on top side of reinforcement strut -1-.
- Remove reinforcement strut.



Note

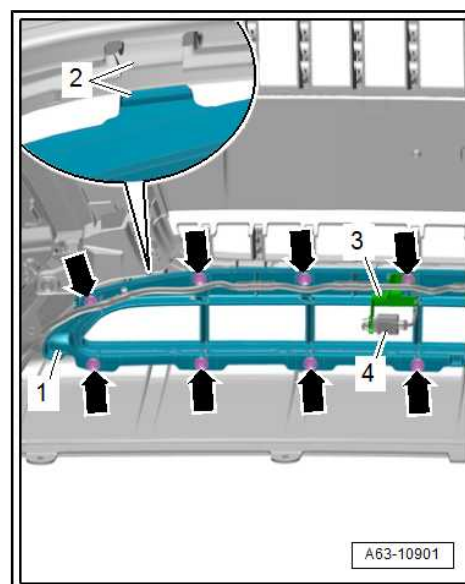
The fasteners are not accessible.

Installing

- Tightening torque ⇒ [page 148](#)

Install in reverse order of removal; note the following:

- Install closure plate for bumper cover (front) ⇒ [page 157](#) .



1.5.5 Removing and installing grille (centre) - Audi Q3 S line up to model year 2014

Removing

- Remove noise insulation ⇒ [page 257](#) .
- Remove closure plate for bumper cover (front) ⇒ [page 157](#) .

- Remove bolts -arrows-.
- Unplug electrical connector -5- and move bracket -4- with ambient temperature sensor - G17- to one side.
- Lift securing tab -2- and release retaining tab -1-.
- Detach grille (centre) -3-.

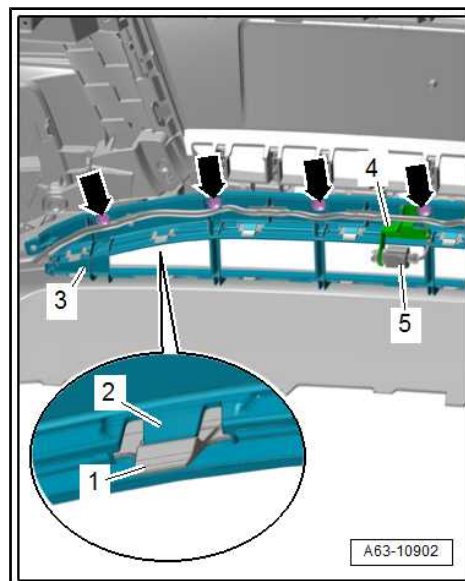
Installing

Install in reverse order of removal.

Tightening torques

- ♦ ⇒ [“1.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014”, page 145](#)

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1.5.6 Removing and installing grille (centre) - Audi Q3 from model year 2015 onwards

Removing

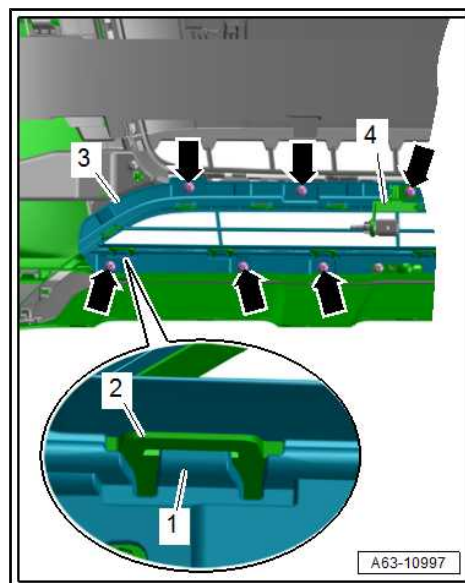
- Remove noise insulation ⇒ [page 257](#) .
- Remove closure plate for bumper cover (front) ⇒ [page 157](#) .
- Remove bolts -arrows-.
- Move bracket -4- with ambient temperature sensor - G17- to one side.
- Release retaining catch -1- and lift securing tab -2- slightly.
- Detach grille (centre) -3- towards front.

Installing

Install in reverse order of removal.

Tightening torques

- ♦ ⇒ [“1.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards”, page 147](#) .



1.5.7 Removing and installing bumper cover (bottom section), Audi Q3

Removing

- Remove bumper cover (front) ⇒ [page 152](#) .
- Remove closure plate for bumper cover (front) ⇒ [page 157](#) .

- If fitted, unplug electrical connectors -3- at parking aid senders and disengage wiring harness -4-.
- Remove bolts -5-.
- Release retaining tabs -arrows- and pull bumper cover (bottom section) -1- towards rear off bumper cover -2-.

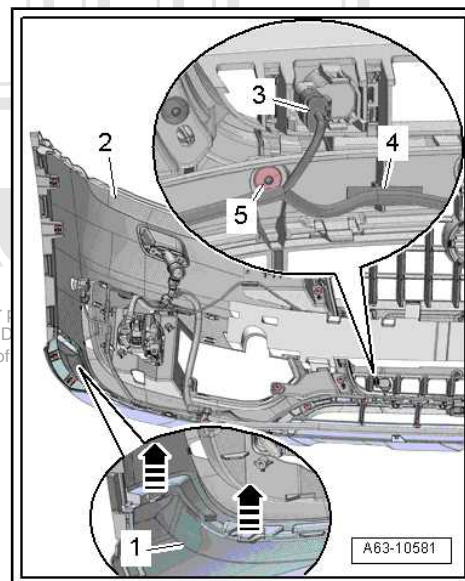
Installing

- Tightening torque
⇒ ["1.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014", page 145](#)

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Install in reverse order of removal; note the following:

- Install closure plate for bumper cover (front) ⇒ [page 157](#) .
- Install bumper cover (front) ⇒ [page 152](#) .



1.5.8 Removing and installing bumper cover (bottom section) - Audi Q3 offroad up to model year 2014

Removing

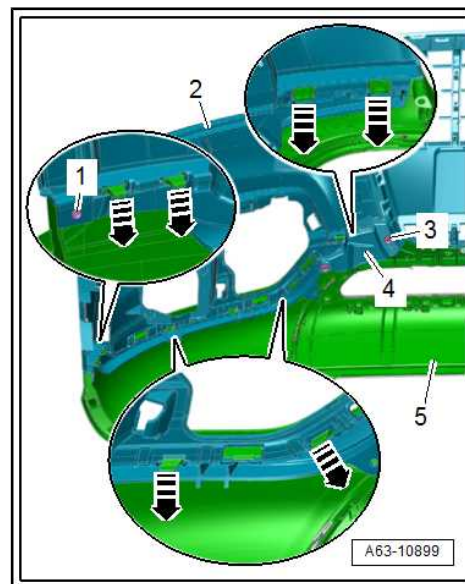
- Remove air intake grille ⇒ [page 164](#) .
- Remove grille (centre) ⇒ [page 157](#) .
- Remove moulded foam insert ⇒ [page 161](#) .
- Remove bolts -1 and 3-.
- Release fasteners -arrows- and pull bumper cover (bottom section) -5- towards front off bumper cover -2- and radiator grille -4-.

Installing

- Tightening torque
⇒ ["1.1.3 Exploded view - bumper cover, Audi Q3 offroad", page 148](#)

Install in reverse order of removal; note the following:

- Install grille (centre) ⇒ [page 157](#) .



1.5.9 Removing and installing bumper cover (bottom section) - Audi Q3 from model year 2015 onwards

Removing

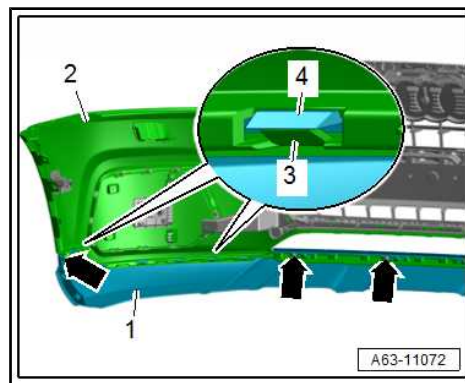
- Remove grille (centre) ⇒ [page 158](#) .

- Remove bolts -arrows-.
- Lift securing tab -3- and release retaining tab -4-.
- Detach bumper cover (bottom section) -1- from bumper cover -2- towards front.

Installing

- Tightening torque
⇒ "1.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards", page 147

Install in reverse order of removal.



1.5.10 Removing and installing bumper cover (centre section)

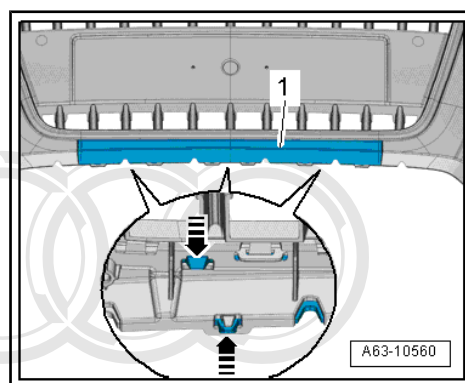
Removing

- Remove bumper cover (bottom section) ⇒ [page 158](#) .
- Release retaining tabs -arrows- and detach bumper cover (centre section) -1- towards front.

Installing

Install in reverse order of removal; note the following:

- Install bumper cover (bottom section) ⇒ [page 158](#) .



1.5.11 Removing and installing bumper cover (outer section), Audi Q3

Removing

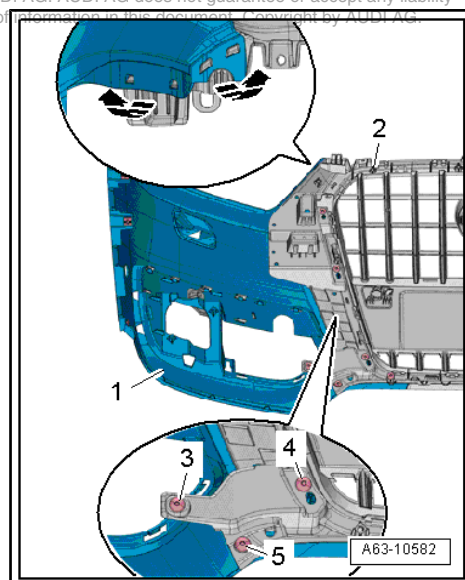
- Remove bumper cover (centre section) ⇒ [page 160](#) .
- Remove bolts -3, 4, 5-.
- Disengage bumper cover (outer section) -1- at top in area of radiator grille -2- -arrows- and detach.
- If renewing bumper cover:
 - ♦ Remove fog light ⇒ Electrical system; Rep. gr. 94 ; Fog lights; Removing and installing fog lights .
 - ♦ Remove headlight washer jets ⇒ Electrical system; Rep. gr. 92 ; Headlight washer system; Removing and installing washer jets .
 - ♦ Remove trim panel for air intake grille ⇒ [page 164](#) .

Installing

- Tightening torque
⇒ "1.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014", page 145

Install in reverse order of removal; note the following:

- Install bumper cover (centre section) ⇒ [page 160](#) .



1.5.12 Removing and installing bumper cover (outer section) - Audi Q3 offroad up to model year 2014

Removing

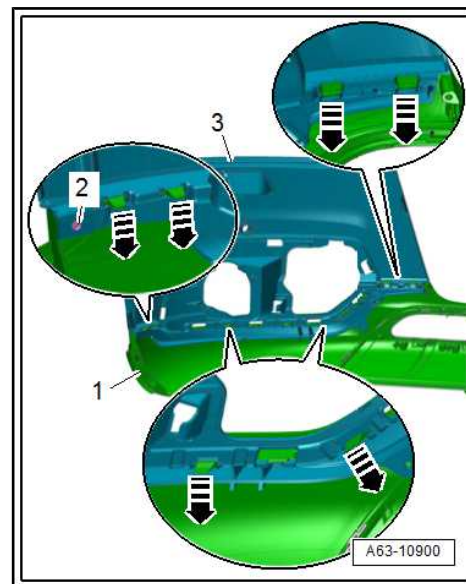
- Remove air intake grille ➤ [page 164](#) .
- Remove radiator grille ➤ [page 219](#) .
- Remove bolt -2-.
- Release fasteners and detach bumper cover (outer section) -3- towards rear from bumper cover (bottom section) -1-.
- If renewing bumper cover:
 - ◆ Remove fog light ➤ Electrical system; Rep. gr. 94 ; Fog lights; Removing and installing fog lights .
 - ◆ Remove headlight washer jets ➤ Electrical system; Rep. gr. 92 ; Headlight washer system; Removing and installing washer jets .

Installing

- Tightening torque
➤ ["1.1.3 Exploded view - bumper cover, Audi Q3 offroad", page 148](#)

Install in reverse order of removal; note the following:

- Install radiator grille ➤ [page 219](#) .
- Install air intake grille ➤ [page 164](#) .



1.5.13 Removing and installing moulded foam insert - Audi Q3 up to model year 2014

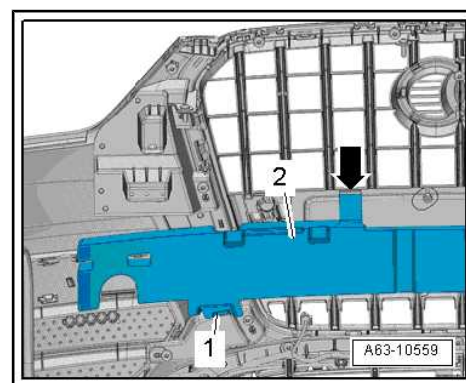
Removing

- Remove bumper cover (front) ➤ [page 152](#) .
- Guide moulded foam insert -2- at top out of retainer -arrow- and pull out of retainer -1- at bottom.

Installing

Install in reverse order of removal; note the following:

- Install bumper cover (front) ➤ [page 152](#) .



1.5.14 Removing and installing moulded foam insert - Audi Q3 from model year 2015 onwards

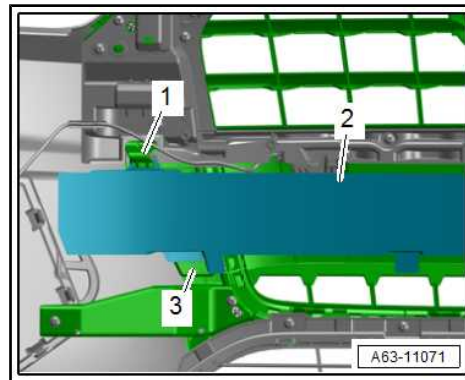
Removing

- Remove bumper cover (front) ➤ [page 152](#) .

- Release fastener -1-, swivel moulded foam insert -2- out at top and pull it out of retainer -3- at bottom.

Installing

Install in reverse order of removal.



1.5.15 Removing and installing moulded foam insert - Audi RS Q3

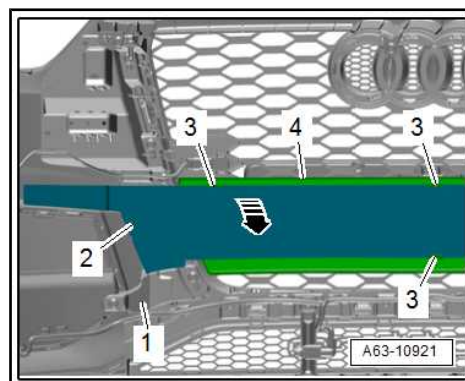
Removing

- Remove bumper cover (front) ⇒ [page 152](#) .
- Swivel out moulded foam insert -2- from mounting -4- at top in direction of -arrow-, release fastener -3- and disengage moulded foam insert from radiator grille -1-.

Installing

Install in reverse order of removal; note the following:

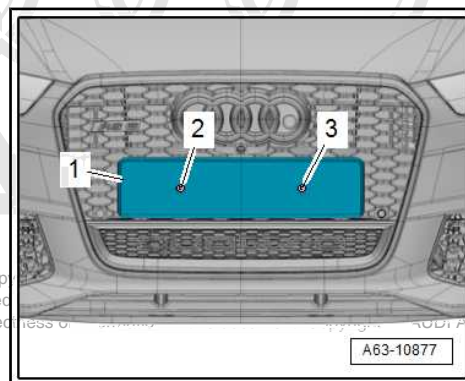
- Install bumper cover (front) ⇒ [page 152](#) .



1.5.16 Removing and installing mounting for moulded foam insert - Audi RS Q3 up to model year 2014

Removing

- Detach number plate.
- Unscrew bolts -2- and -3- on number plate holder -1-.
- Remove moulded foam insert ⇒ [page 162](#) .



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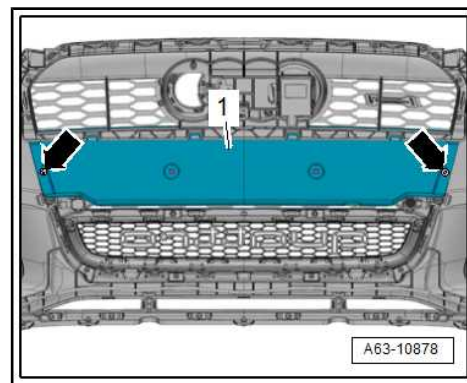
- Remove bolts -arrows-.
- Detach mounting -1-.

Installing

- Tightening torques
⇒ ["1.1.4 Exploded view - bumper cover, Audi RS Q3 up to model year 2014", page 149](#)

Install in reverse order of removal; note the following:

- Install moulded foam insert ⇒ [page 162](#) .



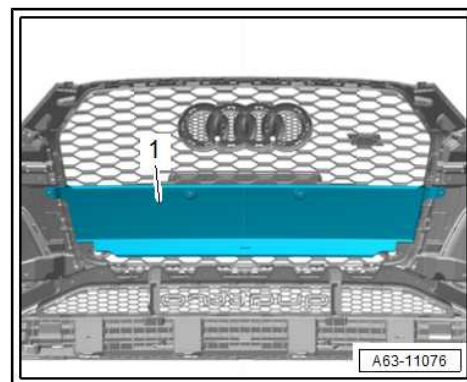
1.5.17 Removing and installing mounting for moulded foam insert - Audi RS Q3 from model year 2015 onwards

Removing

- Remove reinforcement strut for radiator grille ⇒ [page 222](#) .
- Remove moulded foam insert ⇒ [page 162](#) .
- Detach mounting -1-.

Installing

Install in reverse order of removal.



1.5.18 Removing and installing cover for headlight washer jet

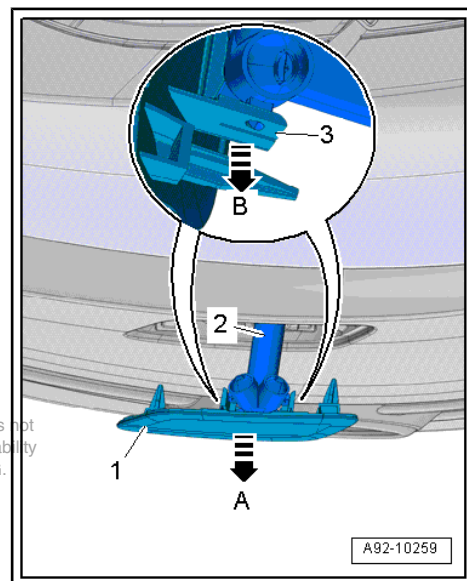
Removing

- Pull telescopic section -2- of washer jet as far as possible out of bumper cover -arrow A-.
- Hold telescopic section in this position (pulled out).
- Press apart side sections -3- of washer jet cover -1- -arrow B-, carefully disengage cover from retaining pin and detach.

Installing

Install in reverse order of removal; note the following:

- Press on washer jet cover until it engages audibly.



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1.5.19 Removing and installing trim panel for air intake grille

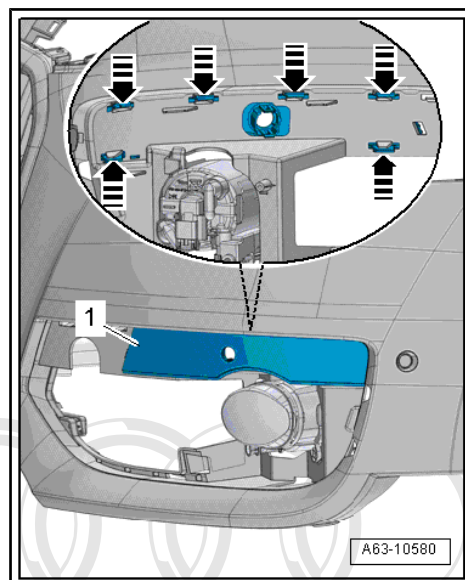
Removing

- Remove air intake grille ➔ [page 164](#) .
- Remove bumper cover (front) ➔ [page 152](#) .
- If fitted, remove front parking aid senders ➔ Electrical system; Rep. gr. 94 ; Parking aid; Overview of parking aid .
- Release retaining tabs -arrows- and detach trim panel -1- towards front.

Installing

Install in reverse order of removal; note the following:

- Install bumper cover (front) ➔ [page 152](#) .
- Install air intake grille ➔ [page 164](#) .



1.5.20 Removing and installing air intake grille - vehicles up to model year 2014

Special tools and workshop equipment required

- ◆ Hook - T40207-



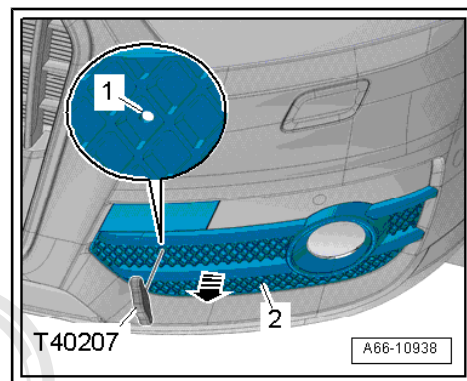
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Removing

- Insert hook - T40207- in opening -1- and pull air intake grille (bottom) -2- out of bumper cover -arrow-.

Installing

Install in reverse order of removal.



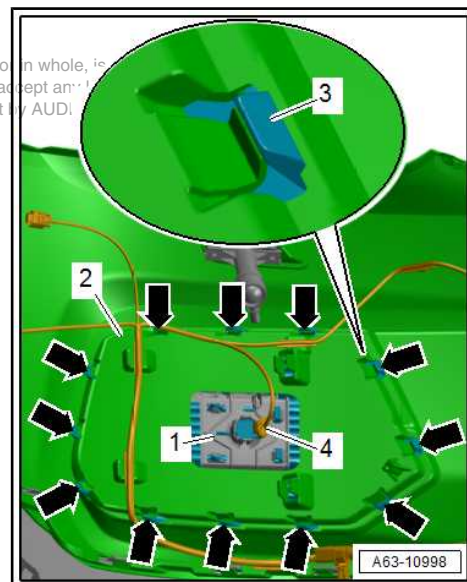
1.5.21 Removing and installing air intake grille - vehicles from model year 2015 onwards

Removing

- Remove bumper cover (front) ➔ [page 152](#) .
- Unplug electrical connector -4- for parking aid sender.
- Release fasteners -3- arrows.
- Detach air intake grille -1- from bumper cover -2- towards front.

Installing

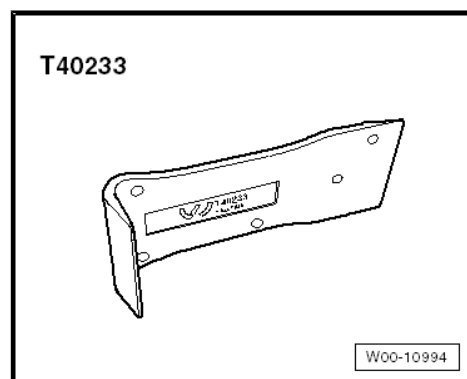
Install in reverse order of removal.



1.5.22 Removing and installing air intake grille - Audi RS Q3

Special tools and workshop equipment required

- ◆ Removal wedge - T40233-

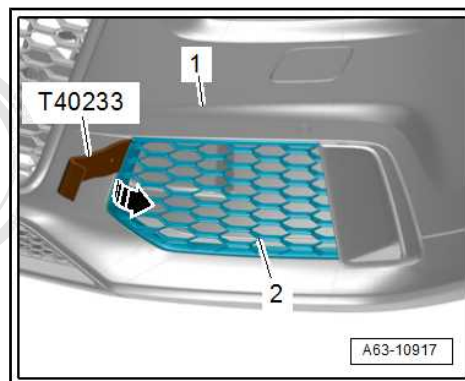


Removing

- Slide removal wedge - T40233- between bumper cover -1- and air intake grille -2-, as shown in illustration.
- Release air intake grille -arrow- and pull it out of bumper cover.

Installing

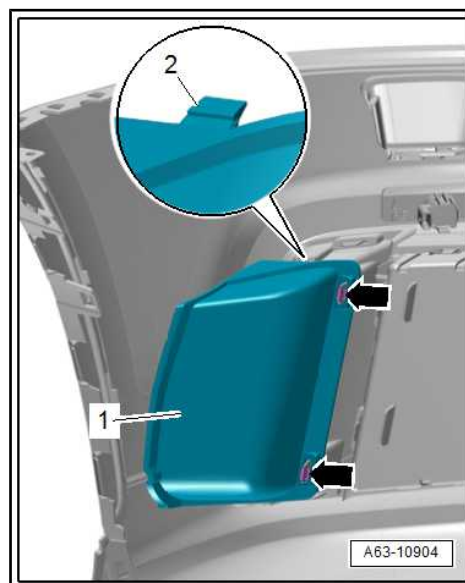
Install in reverse order of removal.



1.5.23 Removing and installing trim for air inlet (side) - Audi RS Q3 up to model year 2014

Removing

- Left-side: Remove bumper cover (front) ➔ [page 152](#) .
- Right-side: Remove wheel housing liner (front) and wheel spoiler ➔ [page 275](#) .
- Carefully press retaining clips -arrows- off guide lug using a screwdriver.
- Release fastener -2- (top and bottom) and detach cover -1- from bumper cover.



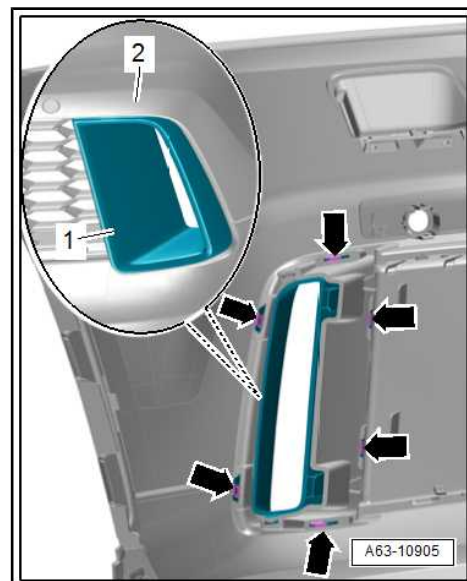
- Carefully press retaining clips -arrows- off guide lug using a screwdriver.
- Detach trim -1- from bumper cover -2- towards front.

Installing

Install in reverse order of removal; note the following:

- Left-side: Install bumper cover (front) ➤ [page 152](#) .
- Right-side: Install wheel housing liner (front) and wheel spoiler ➤ [page 275](#) .

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1.5.24 Removing and installing trim for air inlet (side) - Audi RS Q3 from model year 2015 onwards

Removing

Left side:

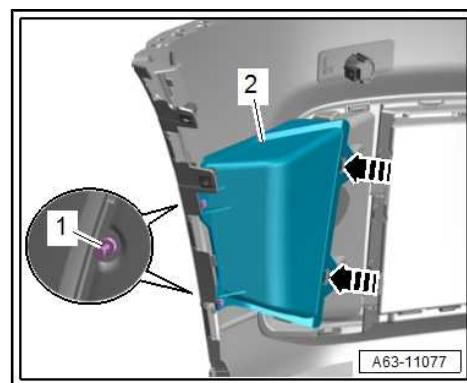
- Remove bumper cover (front) ➤ [page 152](#) .

Right side:

- Remove wheel housing liner (front) and wheel spoiler ➤ [page 275](#) .
- Unfasten wheel arch cover in area of bumper cover ➤ [page 245](#) .

All vehicles (continued):

- Remove spreader rivets -1-.
- Release fasteners -arrows- and at the same time pull cover -2- off bumper cover.

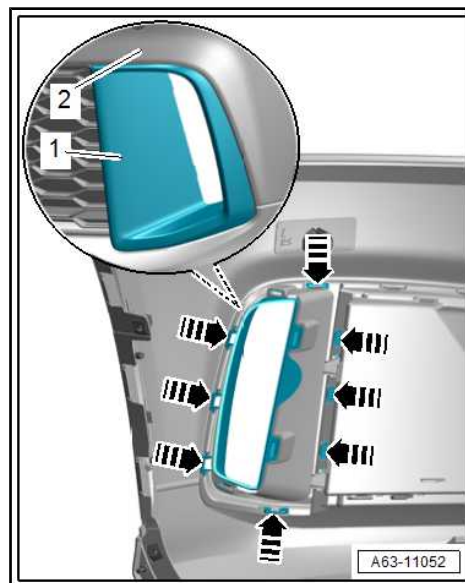


- Release fasteners -arrows-.
- Detach trim -1- from bumper cover -2- towards front.

Installing

Install in reverse order of removal; note the following:

- Left-side: Install bumper cover (front) ⇒ [page 152](#) .
- Right-side: Install wheel housing liner (front) and wheel spoiler ⇒ [page 275](#) .



1.5.25 Removing and installing skid plate, Audi Q3 offroad

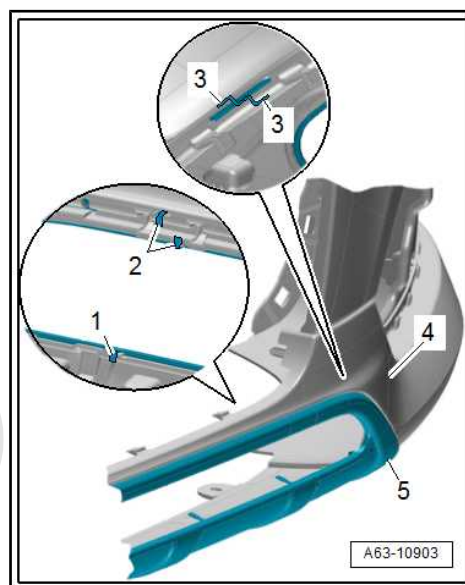
Removing

- Remove grille (centre, bottom section) ⇒ [page 157](#) .
- Straighten retaining tabs -1, 2 and 3- and detach skid plate -5- from bumper cover -4- towards front.

Installing

Install in reverse order of removal; note the following:

- Install radiator grille ⇒ [page 219](#) .



1.5.26 Removing and installing spoiler (bottom section), RS Q3

Removing

- Remove radiator grille (bottom) ⇒ [page 220](#) .

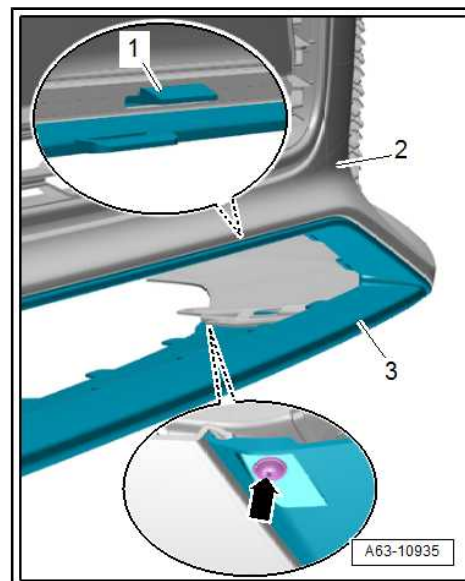
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- Remove bolt -arrow-.
- Release fasteners -1- and pull spoiler (bottom section) -3- off bumper cover -2- towards front.

Installing

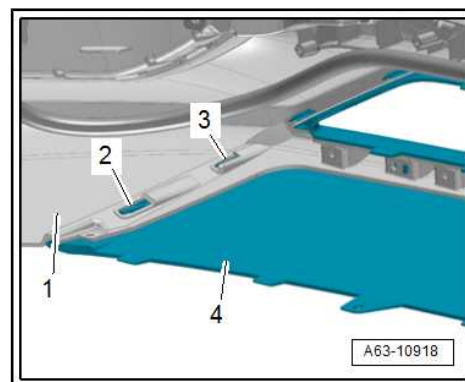
- Tightening torques
⇒ ["1.1.4 Exploded view - bumper cover, Audi RS Q3 up to model year 2014", page 149](#)

Install in reverse order of removal; note the following:



When sliding guides -2 and 3- on spoiler (bottom section) -4- into bumper cover mountings -1-, make sure that they engage in the mountings (as shown in illustration).

- Install radiator grille (bottom) ⇒ [page 220](#) .



1.5.27 Removing and installing retainer for bumper cover mounting (bottom)

Removing

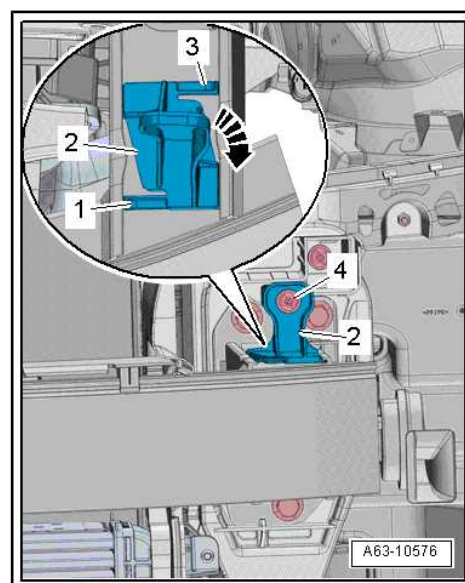
- Remove bumper cover (front) ⇒ [page 152](#) .
- Remove bolt -4-.
- Carefully release securing tabs -1 and 3- upwards and at the same time turn retainer -2- clockwise -arrow-.
- Detach retainer from impact bar.

Installing

- Tightening torque
⇒ ["1.2 Exploded view - impact bar", page 152](#)

Install in reverse order of removal; note the following:

- Install bumper cover (front) ⇒ [page 152](#) .



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1.5.28 Removing and installing bracket for ambient temperature sensor - G17-

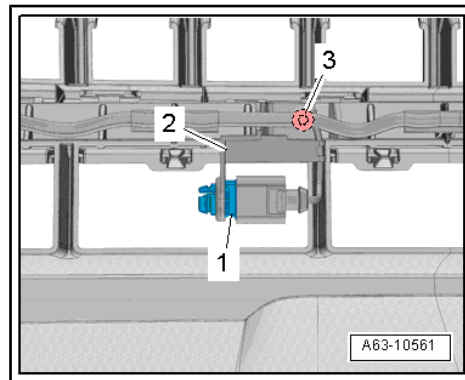
Removing

- Remove closure plate for bumper cover (front) ➤ [page 157](#) .
- Remove ambient temperature sensor -1- ➤ Heating, air conditioning; Rep. gr. 87 ; Further control components; Removing and installing ambient temperature sensor - G17- .
- Unscrew bolt -3- and detach bracket -2-.

Installing

Install in reverse order of removal; note the following:

- Tightening torque
➤ ["1.1 Exploded view - bumper cover", page 145](#)
- Install ambient temperature sensor ➤ Heating, air conditioning; Rep. gr. 87 ; Further control components; Removing and installing ambient temperature sensor - G17- .
- Install closure plate for bumper cover (front) ➤ [page 157](#) .



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2 Bumper (rear)

⇒ ["2.1 Exploded view - bumper cover", page 171](#)

⇒ ["2.2 Exploded view - impact bar", page 176](#)

⇒ ["2.3 Removing and installing bumper cover", page 177](#)

⇒ ["2.4 Removing and installing impact bar", page 179](#)

⇒ ["2.5 Removing and installing attachments", page 181](#)

2.1 Exploded view - bumper cover

⇒ ["2.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014", page 171](#)

⇒ ["2.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards", page 173](#)

⇒ ["2.1.3 Exploded view - bumper cover, Audi Q3 offroad", page 174](#)

⇒ ["2.1.4 Exploded view - bumper cover, Audi RS Q3", page 175](#)

2.1.1 Exploded view - bumper cover, Audi Q3 up to model year 2014

1 - Bolt

- ☐ 2x
- ☐ 1.7 Nm

2 - Bumper cover (bottom section)

- ☐ Different versions ⇒
Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 181](#)

3 - Rear parking aid sender

- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Parking
aid; Overview - parking
aid

4 - Bumper cover (rear)

- ☐ Removing and installing
⇒ [page 177](#)

5 - Rear park assist steering sender

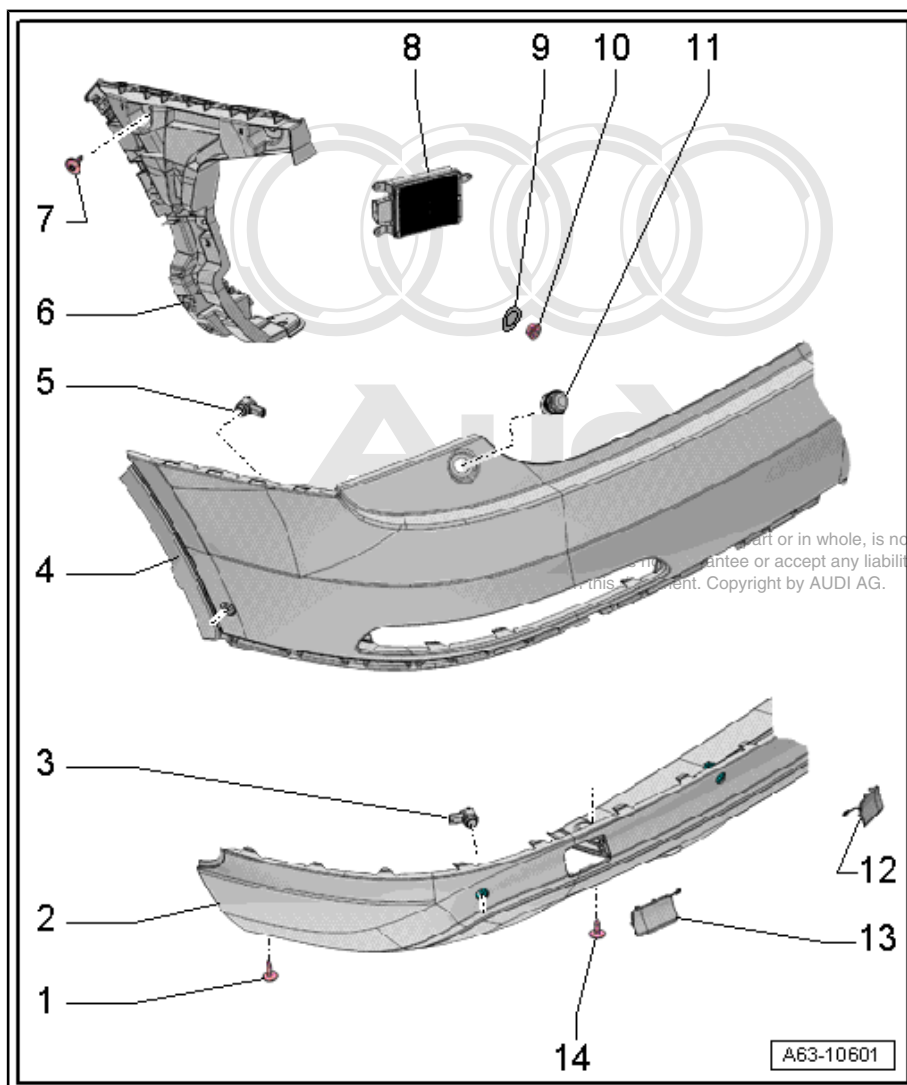
- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Park assist
steering; Overview -
park assist steering

6 - Mounting (side)

- ☐ For bumper cover
- ☐ Removing and installing
⇒ [page 181](#)

7 - Bolt

- ☐ 3x



- ☐ Tightening sequence
⇒ [page 172](#)

8 - Lane change assist control unit

- ☐ Removing and installing ⇒ Electrical system; Rep. gr. 94 ; Park assist steering; Overview - park assist steering

9 - Grommet

- ☐ 2x

10 - Nut

- ☐ 4x
- ☐ 4 Nm

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11 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

12 - Cover

- ☐ For towing eye

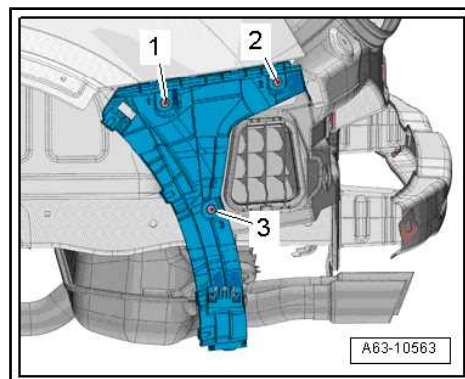
13 - Cover

14 - Bolt

- ☐ 2x
- ☐ 6 Nm

Bumper cover mounting (side) - tightening torque and sequence

- Tighten bolts to 2 Nm in sequence -1 ... 3-.



2.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards

1 - Bolt

- ☐ 2x
- ☐ 6 Nm

2 - Bumper cover (bottom section)

- ☐ Different versions ⇒ Electronic parts catalogue
- ☐ Removing and installing ⇒ [page 182](#)

3 - Bolt

- ☐ 2x
- ☐ 1.7 Nm

4 - Bumper cover (rear)

- ☐ Removing and installing ⇒ [page 177](#)

5 - Bolt

- ☐ 3x
- ☐ Tightening sequence ⇒ [page 172](#)

6 - Mounting (side)

- ☐ For bumper cover
- ☐ Removing and installing ⇒ [page 181](#)

7 - Lane change assist control unit

- ☐ Removing and installing ⇒ Electrical system; Rep. gr. 94 ; Park assist steering; Overview - park assist steering

8 - Grommet

- ☐ 2x

9 - Nut

- ☐ 4x
- ☐ 4 Nm

10 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

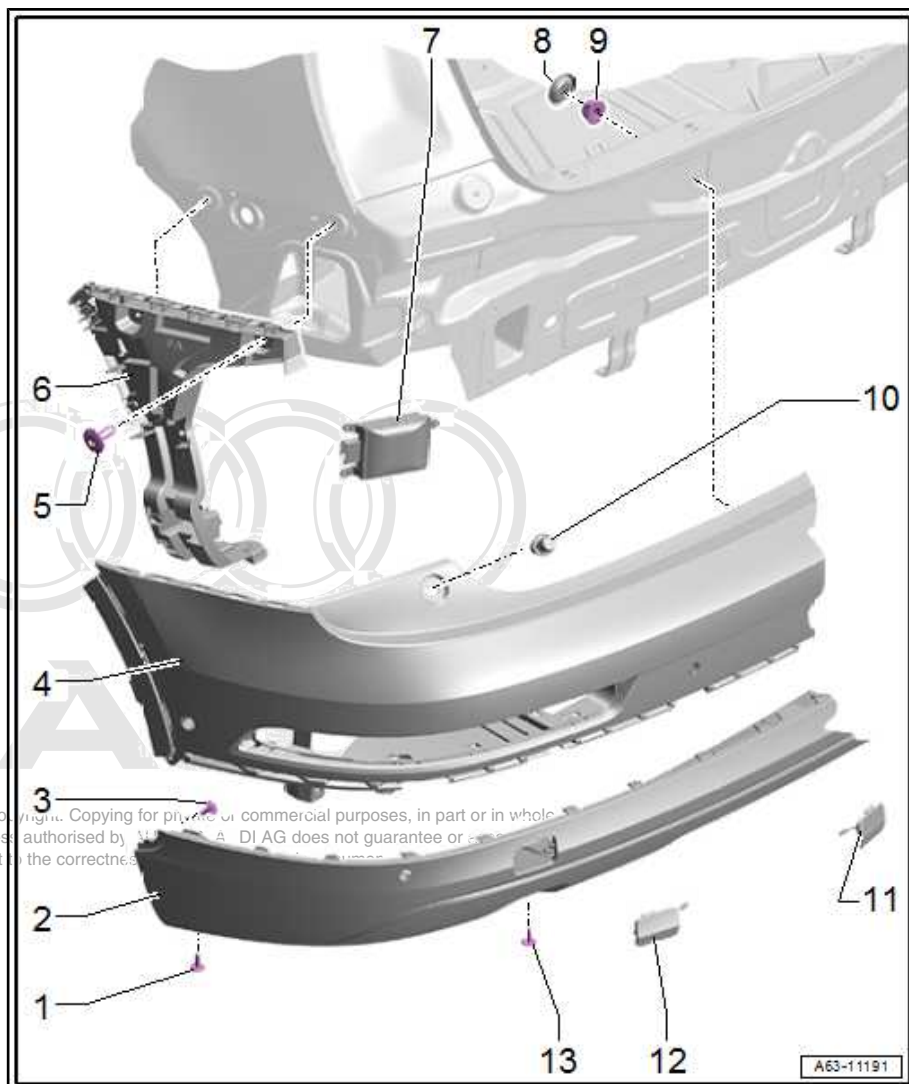
11 - Cover

- ☐ For towing eye

12 - Cover

13 - Bolt

- ☐ 2x
- ☐ 1.7 Nm



2.1.3 Exploded view - bumper cover, Audi Q3 offroad

1 - Bolt

- ☐ 2x
- ☐ 6 Nm

2 - Cover

3 - Bolt

- ☐ 2x
- ☐ 1.7 Nm

4 - Bolt

- ☐ 3x
- ☐ Tightening sequence
⇒ [page 172](#)

5 - Mounting (side)

- ☐ For bumper cover
- ☐ Removing and installing
⇒ [page 181](#)

6 - Lane change assist control unit

- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Park assist
steering; Overview -
park assist steering

7 - Bolt

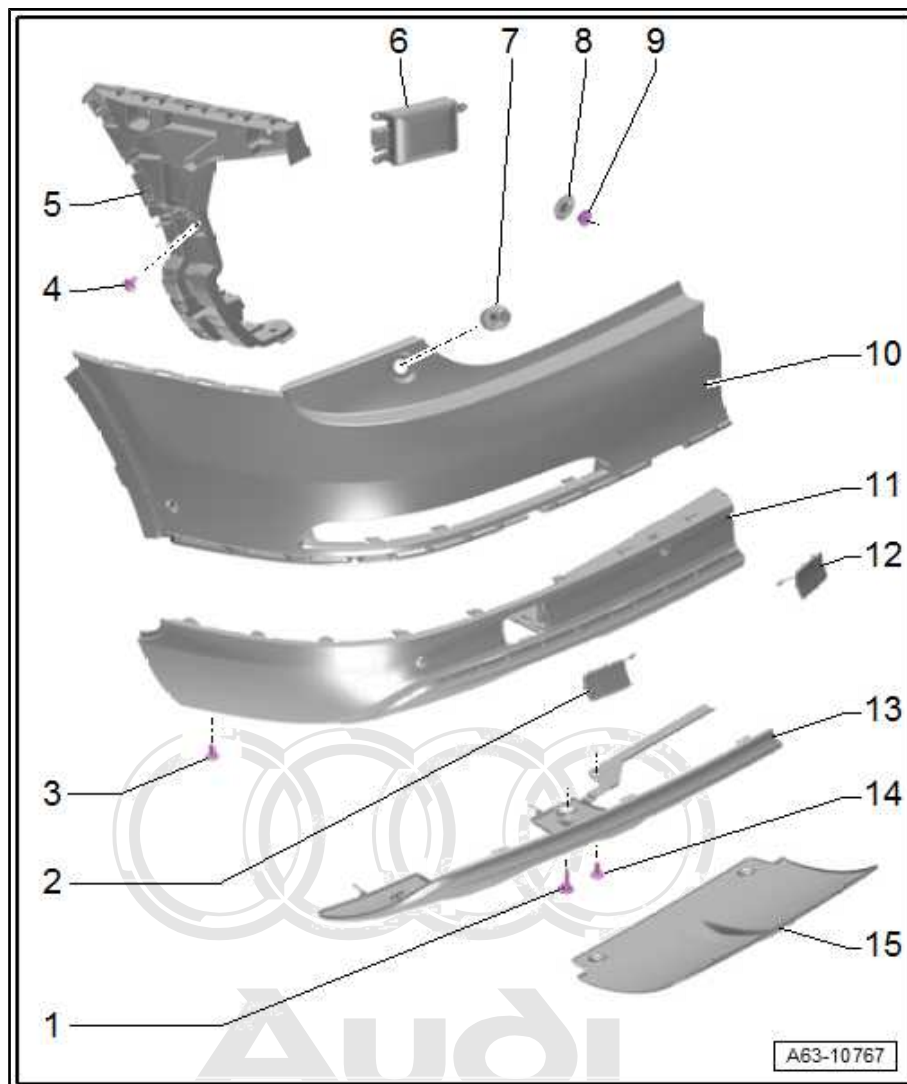
- ☐ 2x
- ☐ 1.5 Nm

8 - Grommet

- ☐ 2x

9 - Nut

- ☐ 4x
- ☐ 4 Nm



10 - Bumper cover (rear)

- ☐ Removing and installing ⇒ [page 177](#)

11 - Bumper cover (bottom section)

- ☐ Different versions ⇒ Electronic parts catalogue
- ☐ Removing and installing ⇒ [page 181](#)

12 - Cover

- ☐ For towing eye

13 - Skid plate

- ☐ Removing and installing ⇒ [page 182](#)

14 - Bolt

- ☐ 2x
- ☐ 6 Nm

15 - Cover

- ☐ For vehicles with towing bracket

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2.1.4 Exploded view - bumper cover, Audi RS Q3

1 - Trim strip

- ☐ For bumper cover (bottom section)
- ☐ Removing and installing
⇒ [page 183](#)

2 - Cover

3 - Bolt

- ☐ 2x
- ☐ 6 Nm

4 - Bolt

- ☐ 2x
- ☐ 1.7 Nm

5 - Bolt

- ☐ 3x
- ☐ Tightening sequence
⇒ [page 172](#)

6 - Mounting (side)

- ☐ For bumper cover
- ☐ Removing and installing
⇒ [page 181](#)

7 - Lane change assist control unit

- ☐ Removing and installing
⇒ Electrical system;
Rep. gr. 94 ; Park assist
steering; Overview -
park assist steering

8 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

9 - Grommet

- ☐ 2x

10 - Nut

- ☐ 4x
- ☐ 4 Nm

11 - Bumper cover (rear)

- ☐ Removing and installing ⇒ [page 177](#)

12 - Bumper cover (bottom section)

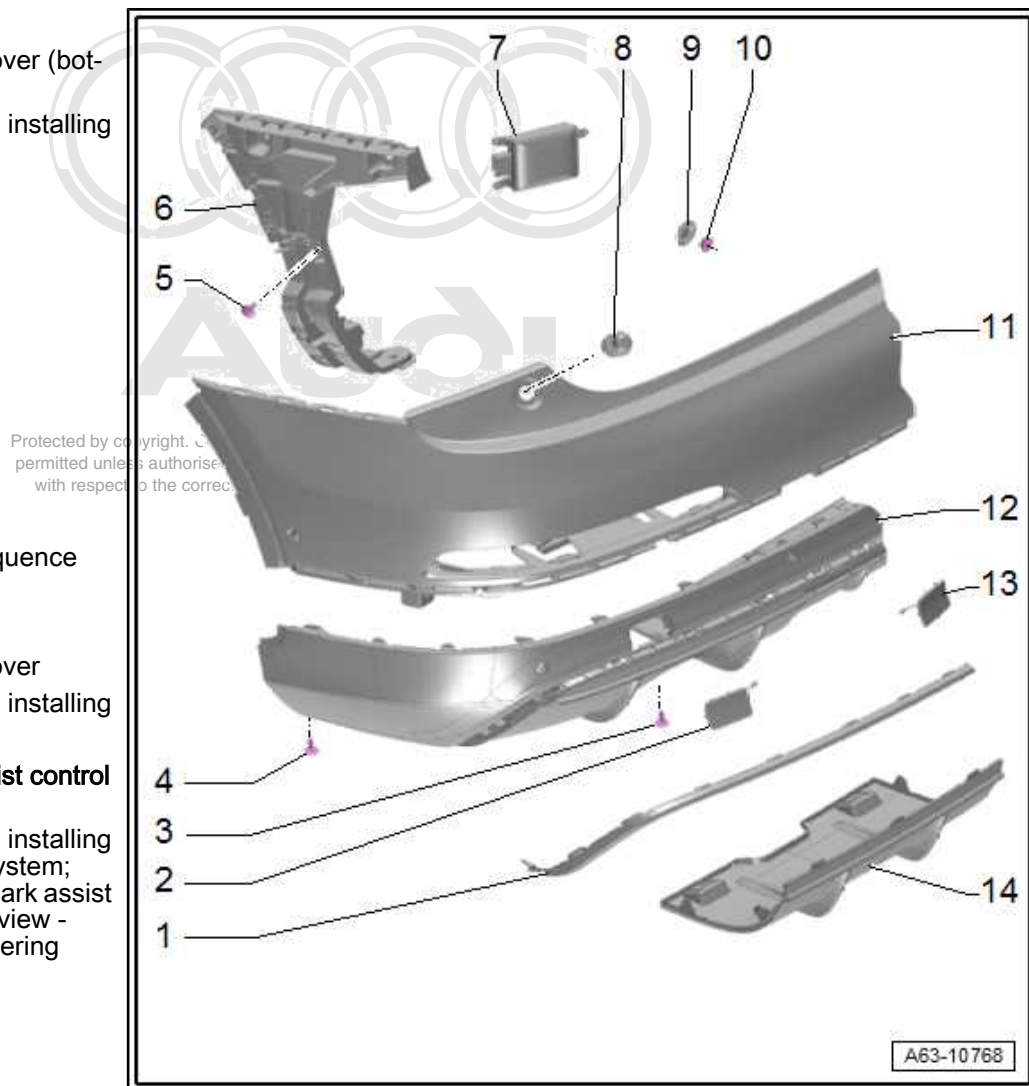
- ☐ Different versions ⇒ Electronic parts catalogue
- ☐ Removing and installing ⇒ [page 181](#)

13 - Cover

- ☐ For towing eye

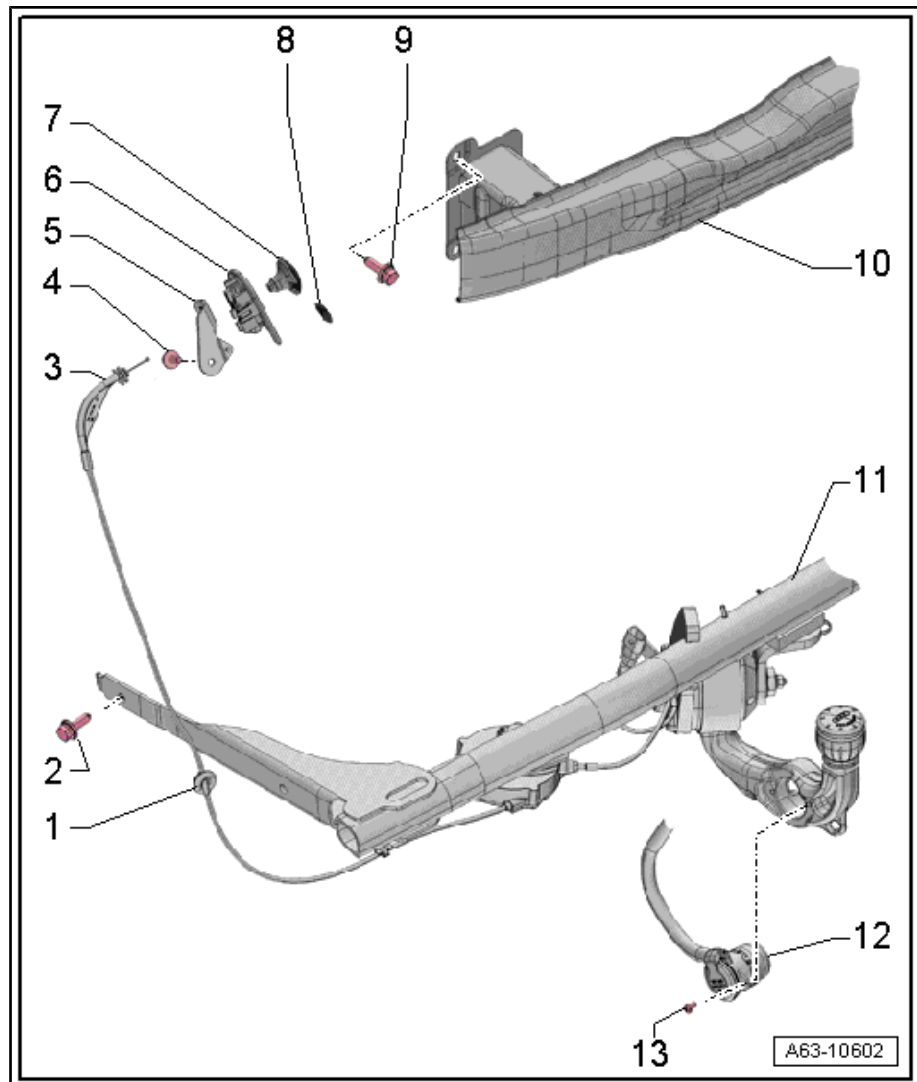
14 - Cover

- ☐ For vehicles with towing bracket



2.2 Exploded view - impact bar

- 1 - Grommet**
 - ☐ For cable
- 2 - Bolt**
 - ☐ 2x
 - ☐ 75 Nm
- 3 - Cable**
 - ☐ For releasing towing bracket
 - ☐ ➤ [page 288](#)
- 4 - Bolt**
 - ☐ 2 Nm
- 5 - Retainer**
 - ☐ For cable mounting bracket
 - ☐ Exploded view ➤ [page 283](#)
- 6 - Mounting**
 - ☐ For cable
 - ☐ Exploded view ➤ [page 283](#)
- 7 - Pull knob**
 - ☐ For releasing towing bracket
 - ☐ Exploded view ➤ [page 283](#)
- 8 - Locking clip**
 - ☐ For pull knob
- 9 - Bolt**
 - ☐ Left side: 2x; right side: 4x
 - ☐ 30 Nm
- 10 - Impact bar**
 - ☐ For vehicles without towing bracket
 - ☐ Removing and installing ➤ [page 179](#)
- 11 - Impact bar**
 - ☐ For vehicles with towing bracket
 - ☐ Removing and installing ➤ [page 179](#)
- 12 - Socket**
 - ☐ Removing and installing ➤ Electrical system; General information; Rep. gr. 96 ; Towing bracket
 - ☐ Pin assignment ➤ Electrical system; General information; Rep. gr. 96 ; Towing bracket
- 13 - Bolt**
 - ☐ 3x
 - ☐ Tightening torque ➤ [page 283](#)



2.3 Removing and installing bumper cover

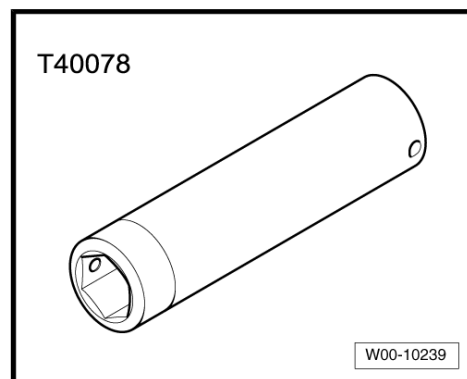


Caution

On vehicles with lane change assist, lane change assist control unit -J769- / -J770- must be re-calibrated ⇒ Electrical system; Rep. gr. 96 ; Lane change assist; Calibrating lane change assist .

Special tools and workshop equipment required

- ◆ Socket - T40078-



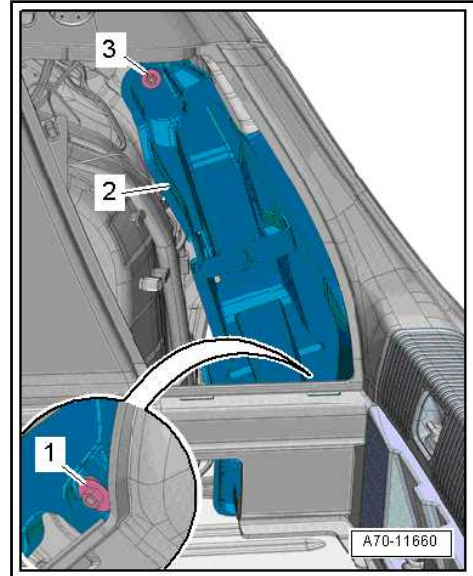
- ◆ Hook - T40207-



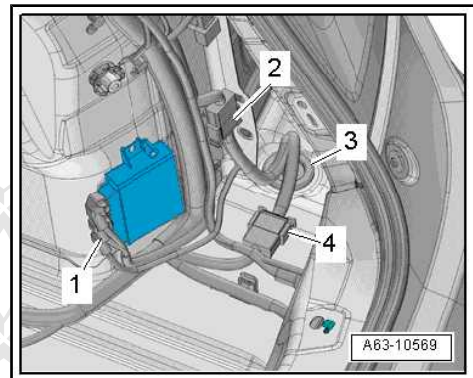
Removing

- Vehicles with parking aid, lane change assist, towing bracket:
Remove cover for luggage compartment side trim (right-side)
⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Exploded view - luggage compartment side trim .
- Take vehicle tool kit out of vehicle.

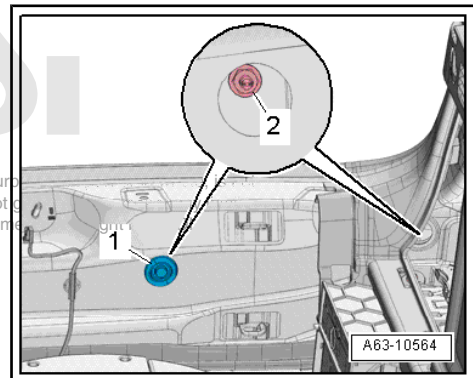
- Remove nuts -1 and 3-.
- Take out mounting -2- for vehicle tool kit.



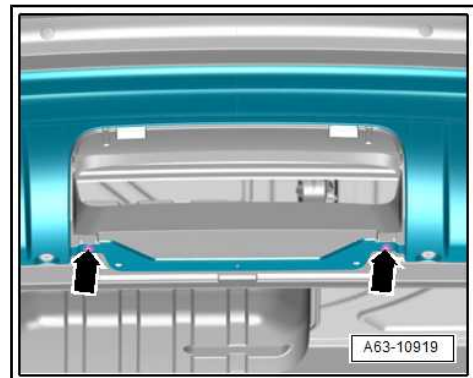
- Unplug electrical connector -1- at parking aid control unit - J446- .
- Unplug electrical connectors -2 and 4-.
- Push grommet -3- through to the outside.



- Remove lock carrier trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing lock carrier trim .
- Detach grommet -1-.
- Unscrew nut -2- using socket - T40078- .
- Remove wheel arch cover (rear) ⇒ [page 248](#) .



- Vehicles with offroad equipment: Detach cover for towing bracket and remove bolts -arrows-.



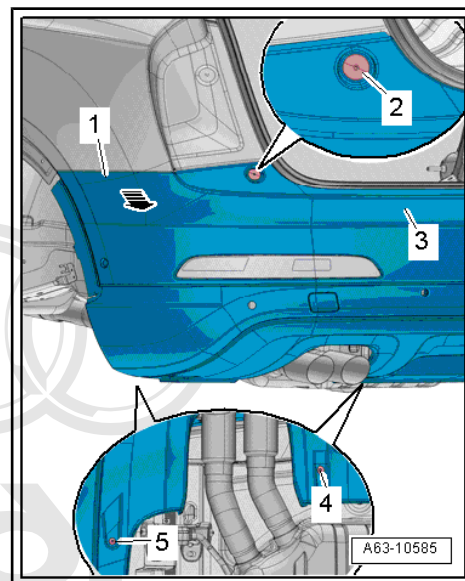
- Remove bolts -2, 4, 5-.
- Disengage side section -1- at side panel outwards -arrow-.
- Detach bumper cover -3-.
- If fitted, electrical wiring harness for parking aid senders/control units for lane change assist and towing bracket must be routed out through body opening.
- Set down bumper cover on a soft surface.

Installing

- Tightening torques
⇒ ["2.1 Exploded view - bumper cover", page 171](#)

Install in reverse order of removal; note the following:

- Install wheel arch cover (rear) ⇒ [page 248](#) .
- Plug in electrical connectors.
- Install rear cross panel trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Exploded view - luggage compartment side trim .
- On vehicles with lane change assist, lane change assist control unit -J769- / -J770- must be re-calibrated ⇒ [Electrical system; Rep. gr. 96 ; Lane change assist; Calibrating lane change assist](#) .



2.4 Removing and installing impact bar

⇒ ["2.4.1 Removing and installing impact bar - vehicles without towing bracket", page 179](#)

⇒ ["2.4.2 Removing and installing impact bar - vehicles with towing bracket", page 179](#)

2.4.1 Removing and installing impact bar - vehicles without towing bracket

Removing

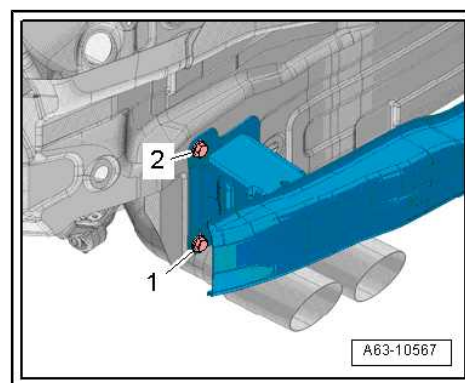
- Remove bumper cover (rear) ⇒ [page 177](#) .
- Remove bolts -1 and 2-.
- Detach impact bar.

Installing

- Tightening torque
⇒ ["2.2 Exploded view - impact bar", page 176](#)

Install in reverse order of removal; note the following:

- Install bumper cover (rear) ⇒ [page 177](#) .

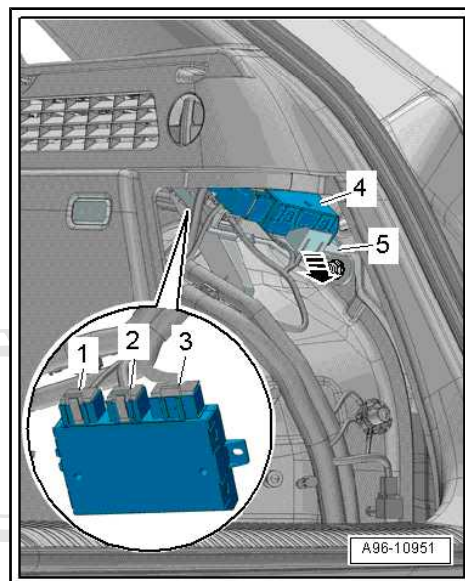


2.4.2 Removing and installing impact bar - vehicles with towing bracket

Removing

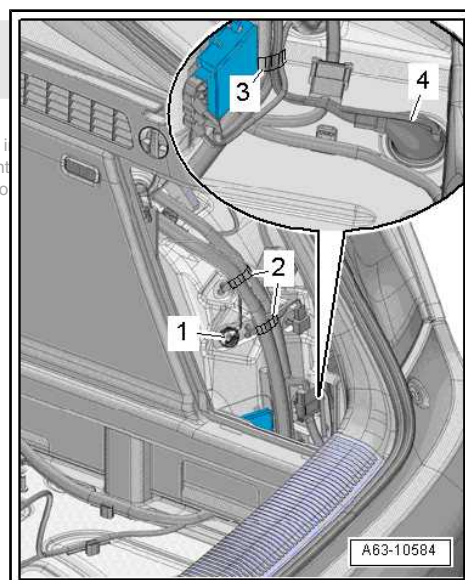
- Remove cable mounting bracket ⇒ [page 285](#) .
- Remove bumper cover (rear) ⇒ [page 177](#) .

- Release retaining clip -arrow-.
- Pull control unit -4- out of retaining frame -5-.
- Unplug electrical connector -3-.



- Unscrew nut -1- and move earth wire clear.
- Open cable retainers -2 and 3- and move wiring harness clear.
- Push grommet -4- through to the outside.

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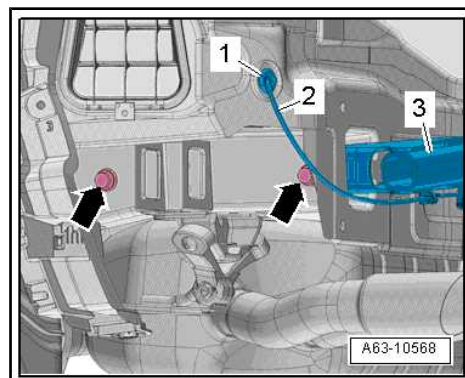
- Remove bolts -arrows-.
- Pull out impact bar -3- with the help of a second mechanic.
- Pull off grommet -1- and guide out cable -2-.
- If impact bar is renewed, remove socket for towing bracket ⇒ Electrical system; General information; Rep. gr. 96 ; Towing bracket .

Installing

- Tightening torque
 ⇒ ["2.2 Exploded view - impact bar", page 176](#) ⇒ Current flow diagrams, Electrical fault finding and Fitting locations

Install in reverse order of removal; note the following:

- Install socket for towing bracket ⇒ Electrical system; General information; Rep. gr. 96 ; Towing bracket .
- Install bumper cover (rear) ⇒ [page 177](#) .



2.5 Removing and installing attachments

⇒ [“2.5.1 Removing and installing bumper cover mounting \(side\)”, page 181](#)

⇒ [“2.5.2 Removing and installing bumper cover \(bottom section\) - vehicles up to model year 2014”, page 181](#)

⇒ [“2.5.3 Removing and installing bumper cover \(bottom section\) - vehicles from model year 2015 onwards”, page 182](#)

⇒ [“2.5.4 Removing and installing skid plate, Audi Q3 offroad”, page 182](#)

⇒ [“2.5.5 Removing and installing trim strip for bumper cover \(bottom section\), Audi RS Q3”, page 183](#)

2.5.1 Removing and installing bumper cover mounting (side)

Removing

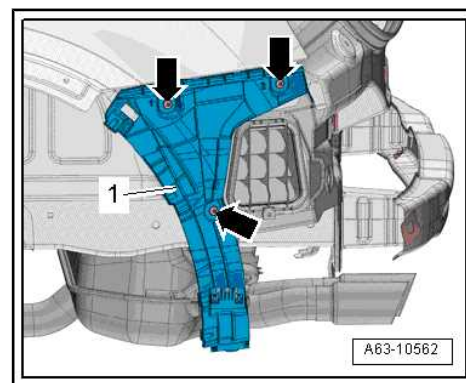
- Remove bumper cover (rear) ⇒ [page 177](#) .
- Remove bolts -arrows-.
- Remove bumper cover mounting (side) -1-.

Installing

- Tightening torque
⇒ [Fig. “Bumper cover mounting \(side\) - tightening torque and sequence”](#) , [page 172](#)

Install in reverse order of removal; note the following:

- Install bumper cover (rear) ⇒ [page 177](#) .



2.5.2 Removing and installing bumper cover (bottom section) - vehicles up to model year 2014

Removing

- Remove bumper cover (rear) ⇒ [page 177](#) .

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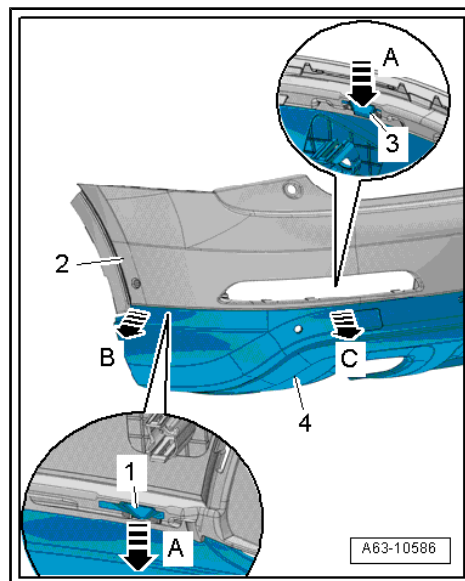
- Vehicles with parking aid: Unplug electrical connector for parking aid sender.

- Carefully press securing tabs -1 and 3- in direction of -arrow A- using a small screwdriver, and at the same time pull retaining clip out of bumper cover -2- by pulling on bottom section of bumper cover -4-.
- Disengage bumper cover (bottom section) from outside -arrow B- towards centre of vehicle -arrow C-.

Installing

Install in reverse order of removal; note the following:

- Clip bumper cover (bottom section) into bumper cover until it engages audibly.
- Install bumper cover (rear) ➔ [page 177](#) .



2.5.3 Removing and installing bumper cover (bottom section) - vehicles from model year 2015 onwards

Removing

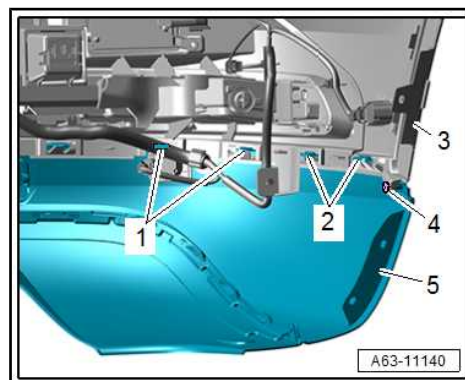
- Remove bumper cover (rear) ➔ [page 177](#) .
- Vehicles with parking aid: Unplug electrical connector for parking aid sender.
- Remove bolt -4-.
- Release fasteners -1, 2- and pull bumper cover (bottom section) -5- off bumper cover -3-.
- Disengage bumper cover (bottom section) from outside towards centre of vehicle.

Installing

- Tightening torques
➔ ["2.1.2 Exploded view - bumper cover, Audi Q3 from model year 2015 onwards", page 173](#)

Install in reverse order of removal; note the following:

- Clip bumper cover (bottom section) into bumper cover until it engages audibly.
- Install bumper cover (rear) ➔ [page 177](#) .



2.5.4 Removing and installing skid plate, Audi Q3 offroad

Removing

- Remove bumper cover ➔ [page 177](#) .

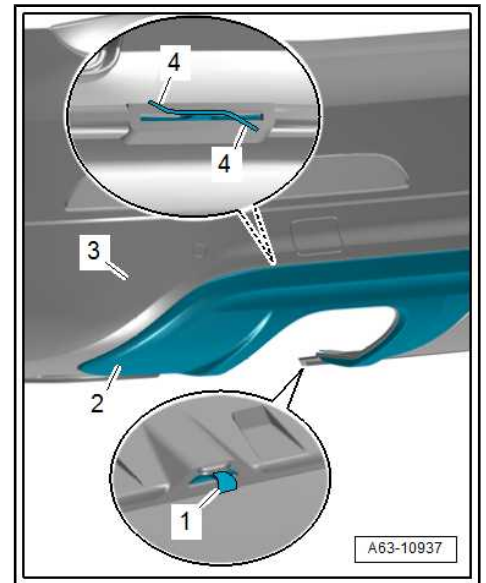
- Straighten retaining tabs -1 and 4- and detach skid plate -2- from bumper cover -3- towards rear.

Installing

Install in reverse order of removal; note the following:

- Install bumper cover ➔ [page 177](#) .

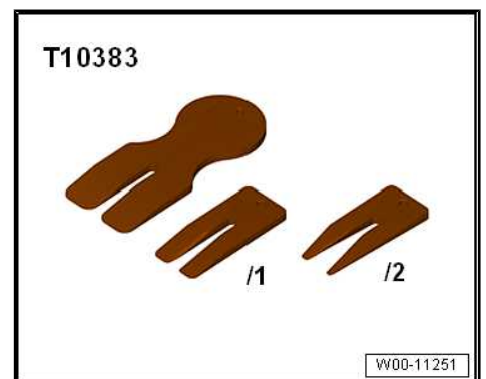
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2.5.5 Removing and installing trim strip for bumper cover (bottom section), Audi RS Q3

Special tools and workshop equipment required

- ◆ Wedges - T10383-



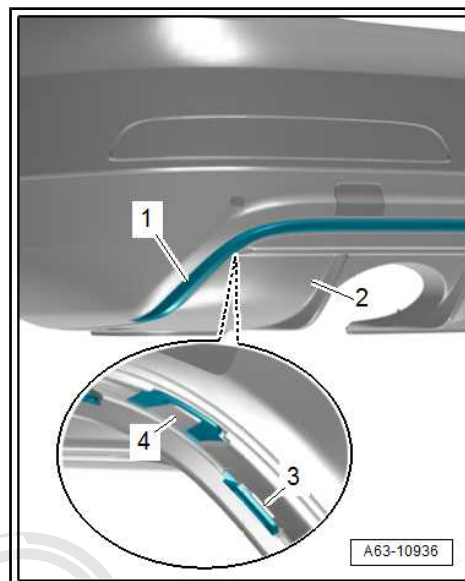
Removing

- Remove bumper cover ➔ [page 177](#) .

- Release fasteners -3 and 4- and press trim strip -1- off bumper cover (bottom section) -2- using wedge -T10383- .

Installing

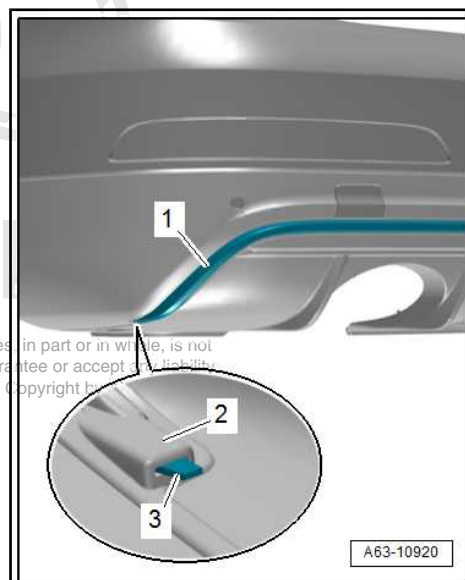
Install in reverse order of removal; note the following:



When sliding guide -3- on trim strip -1- into mounting on bumper cover -2-, make sure that it engages in mounting (as shown in illustration).

Tightening torques

- ♦ ⇒ [“2.1 Exploded view - bumper cover”, page 171](#) .



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64 – Glazing

1 Notes on repairs

⇒ [“1.1 Repairing windows”, page 185](#)

⇒ [“1.2 Minimum drying times for flush-bonded windows”, page 185](#)

⇒ [“1.3 Notes on installing flush-bonded windows”, page 186](#)

⇒ [“1.4 Preparing undamaged windows for installation”, page 189](#)

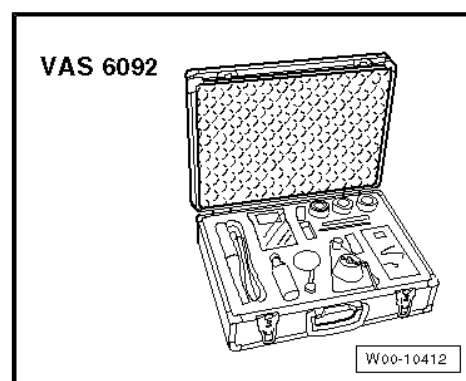
⇒ [“1.5 Preparing new windows for installation”, page 189](#)

⇒ [“1.6 Preparing body flange for installation”, page 191](#)

⇒ [“1.7 Cleaning off adhesive sealant”, page 191](#)

⇒ [“1.8 Re-sealing windows”, page 192](#)

1.1 Repairing windows



Special tools and workshop equipment required

- ◆ Window repair set - VAS 6092-



Note

- ◆ *Windscreens damaged by stone chipping can be repaired using windscreen repair kit - VAS 6092- and resin, Talon - VAS 1993/2-.*
- ◆ *The damaged areas must not exceed a certain size and area, and must not be within the main field of vision.*
- ◆ *For detailed information, refer to the instructions supplied with each kit.*

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1.2 Minimum drying times for flush-bonded windows



WARNING

- ◆ *For safety reasons, only use non-conductive 2-component adhesive with the designations listed below when installing windscreen and rear window.*
- ◆ *You must NOT drive the vehicle until the minimum drying time has elapsed, as the vehicle is otherwise not safe to drive.*

Window	Vehicle	Adhesive sealant	Minimum drying time (in hours)
Windscreen	With airbag	D 004 660 M2	2
Rear window		D 004 660 M2	2
Side windows		DH 009 100 03	3

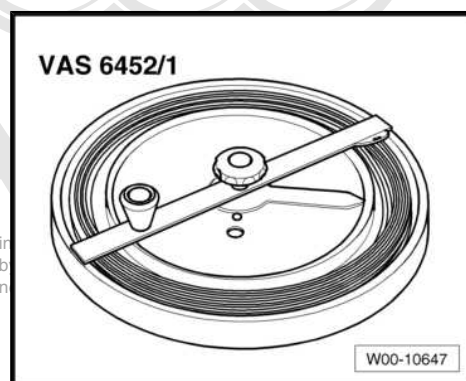
1.3 Notes on installing flush-bonded windows

Special tools and workshop equipment required

- ◆ Removal kit for flush bonded windows - VAS 6452-

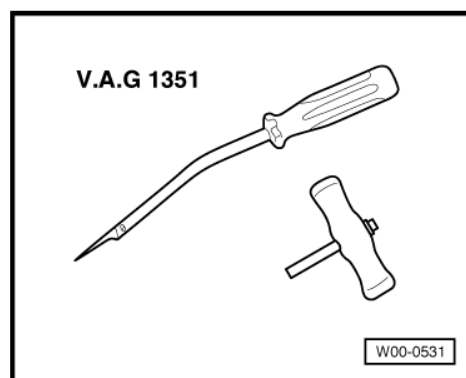


- ◆ Wire reel - VAS 6452/1-



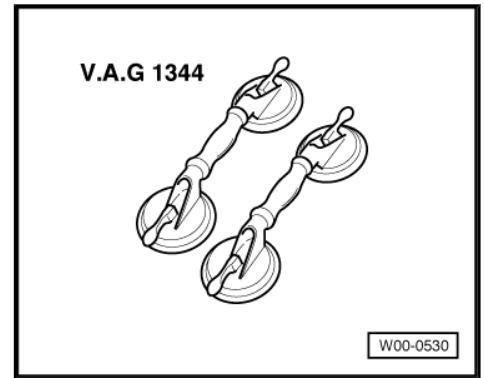
- ◆ Wire for removal kit - VAS 6452/2-

- ◆ Cutting tool - V.A.G 1351-

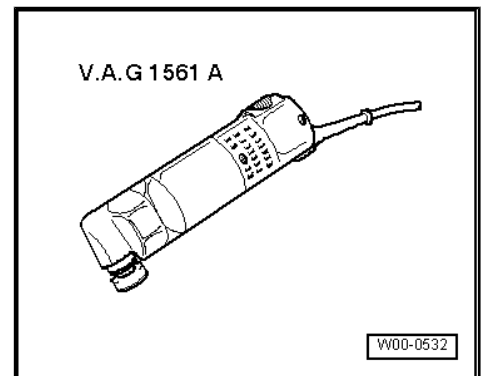


- ◆ Pull handle - V.A.G 1351/1-

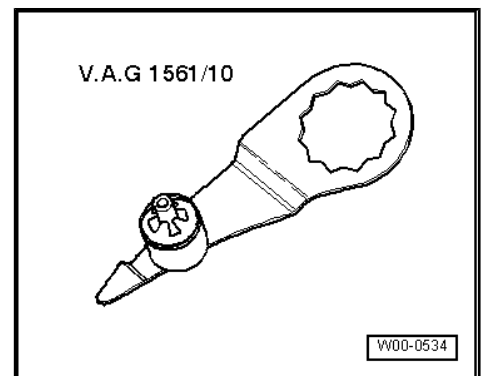
◆ Suction lifter - V.A.G 1344-



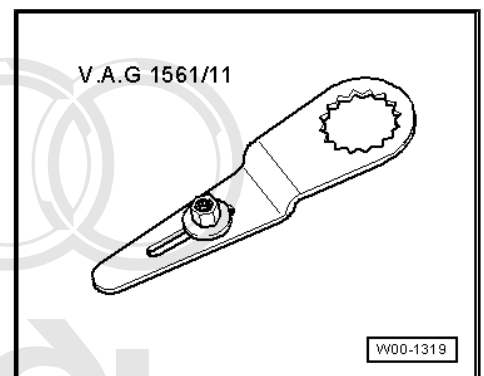
◆ Electric cutter - V.A.G 1561A-



◆ Blade, offset - V.A.G 1561/10-

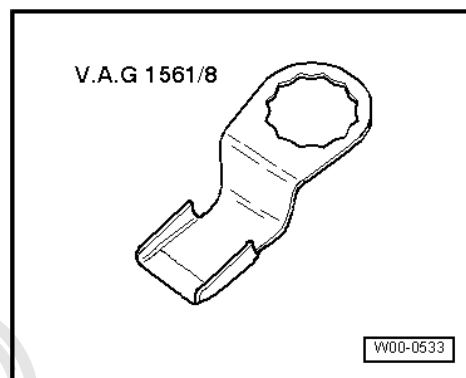


◆ Universal blade - V.A.G 1561/11-

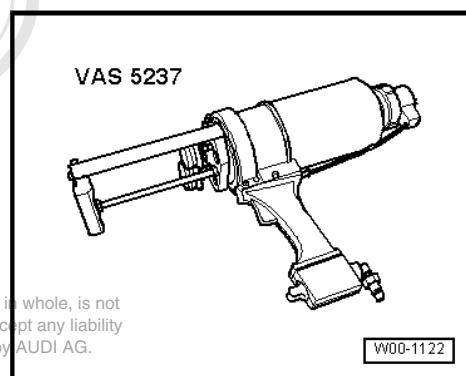


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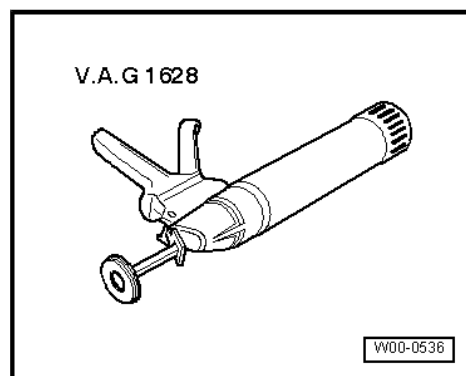
- ◆ Scraper (15 + 25 mm) - V.A.G 1561/7+8-



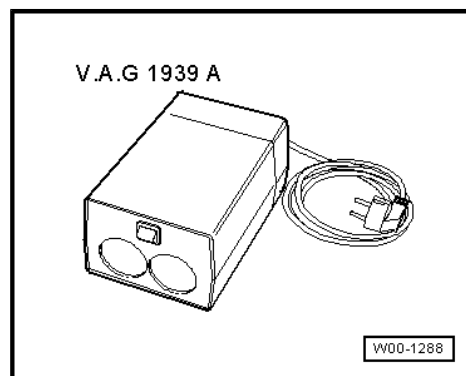
- ◆ Double cartridge gun - VAS 5237-



- ◆ Hand-cartridge gun - V.A.G 1628-



- ◆ Cartridge heater - V.A.G 1939A-



Materials

- ◆ 2-component window adhesive - D 004 660 M2- ¹⁾
- ◆ 1-component window adhesive - DH 009 100 03- ⁴⁾
- ◆ Glass/paint primer - D 009 200 02-

- ◆ Cleaning solution - D 009 401 04-
- ◆ Applicator - D 009 500 25-
- ◆ Adhesive remover - D 002 000 10-
- ◆ Cutting wire - 6452/2- / cutting cord - 357 853 999-

- 1) Note minimum drying time ⇒ [page 185](#) .
- 2) To process this material use double cartridge gun - VAS 5237- .
- 3) Heat using cartridge heater - V.A.G 1939 A- according to manufacturer's instructions.
- 4) Small 110 ml cartridge for sealing and/or for use when the 400 ml double cartridge is not sufficient.

1.4 Preparing undamaged windows for installation

- Just before re-installing an undamaged window, use electric cutter - V.A.G 1561 A- and scraper (25 mm) - V.A.G 1561/8- to cut back the remaining adhesive sealant on the window and flange to give a smooth surface, but do NOT remove completely.

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Note

The remaining sealant is required as a base for better adhesion of the new adhesive sealant.



WARNING

- ◆ *Keep bonding surface clean and free from grease.*
- ◆ *Do not cut back bonding surface until shortly before installation.*
- ◆ *Do not apply primer to bonding surface and do not use cleaning solution.*

1.5 Preparing new windows for installation

- Clean all around bonding surface with cleaning solution - D 009 401 04- .
- Wipe clean surface with a dry, lint-free paper towel.
- Apply glass/paint primer - D 009 200 02- as described below.



WARNING

- *The ceramic coating on new windows is not a primer.*
- *The glass must always be primed before applying adhesive sealant.*
- *The glass/paint primer is conductive and must not come into contact with the bus bar, e.g. of the rear window heating.*

Applying primer:

- Use applicator -2- to apply glass/paint primer -3- evenly and in one movement onto window -4- beside moulding -1-.
- Start application with fully soaked felt.
- Primer width approx. 20 mm
- Apply glass/paint primer centrally in relation to adhesive bead.
- Flash-off time: 10 minutes

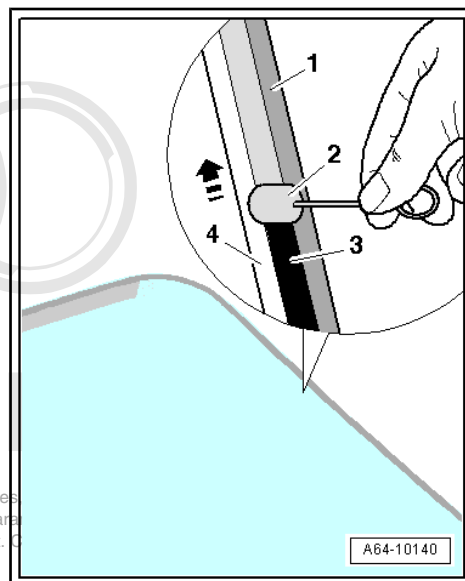
Applying adhesive



Note

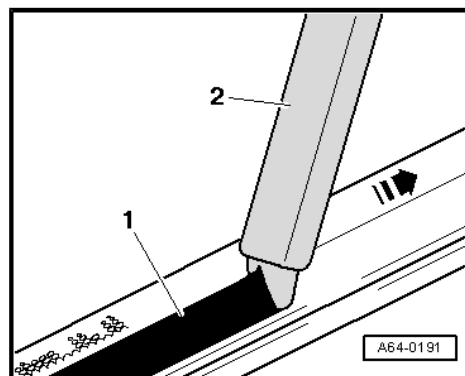
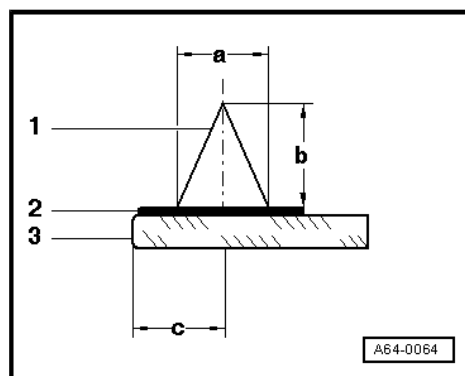
The cross-section of the adhesive bead is determined by the nozzle opening and the rate of application.

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Dimensions for applying adhesive:

- 1 - Adhesive bead
- 2 - Glass/paint primer
- 3 - Window
- Dimension -a- = 8 mm
- Dimension -b- = 12 mm
- Dimension -c-: note different distances from edge of windscreen/rear window; windscreen ➔ [Item 2 \(page 193\)](#) , rear window ➔ [Item 4 \(page 199\)](#)
- Apply full surface of nozzle -2- to window.
- Direction of application -arrow- for adhesive bead -1-.

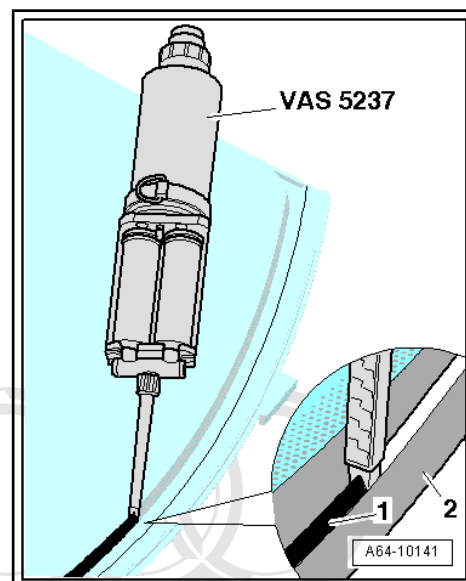


- Apply adhesive sealant -1- all around window -2-, as shown.
- Windscreen or rear window glass must be installed in opening using two suction lifters.



Caution

The glass must be fitted within 15 minutes; otherwise the adhesive properties of the adhesive sealant will be impaired.



1.6 Preparing body flange for installation



WARNING

Keep bonding surface clean and free from grease.

- Shortly before installing the window, cut back the remaining adhesive sealant on the body flange with a carpet knife, but do not remove it completely.



Note

The remaining sealant is required as a base for better adhesion of the new adhesive sealant.

- If window flange has been damaged, repaired or renewed, paintwork structure must be repaired and, if necessary, anti-corrosion measures must be taken ⇒ Audi Paintwork Guideline .
- Clean repaired area using cleaning solution - D 009 401 04- and then apply glass/paint primer - D 009 200 02- .

1.7 Cleaning off adhesive sealant

We recommend using adhesive remover - D 002 000 10- for cleaning. Always follow the safety instructions.



Caution

When cleaning from inside the vehicle passenger compartment, make sure you do not exert outward pressure on the window you have just fitted.

Painted surfaces

- First clean painted surface with a dry cloth. Then clean off remaining adhesive sealant with adhesive remover - D 002 000 10- .

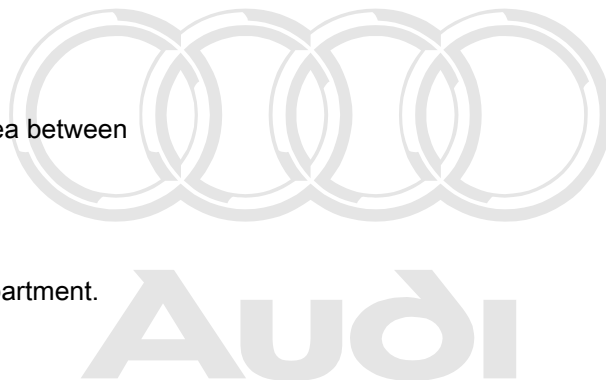


Plastic trim panels

- Allow adhesive sealant to dry (approx. 1 hour) and then pull off.

1.8 Re-sealing windows

- Allow leaking area to dry and then clean.
- Apply and spread adhesive sealant in leaking area between window and metal flange.
- Allow adhesive sealant to harden.
- Perform leak test with water.
- Carry out visual inspection from passenger compartment.



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2 Windscreen

⇒ "2.1 Exploded view - windscreen", page 193

⇒ "2.2 Removing and installing windscreen", page 194

2.1 Exploded view - windscreen



Caution

- ◆ *After renewing the windscreen, the camera must be re-calibrated on vehicles with lane departure warning ⇒ Running gear, axles, steering; Rep. gr. 44 ; Front camera for driver assist systems; Calibrating front camera for driver assist systems .*

1 - Windscreen

- ☐ Distance from roof: dimension -a- = 2 mm
- ☐ Align windscreen centrally between sides of frame.
- ☐ Different versions. When renewing on equipment version with front camera for driver assist systems - R242- : Determine version ⇒ [page 194](#) ; for assignment refer to ⇒ Electronic parts catalogue .

2 - Adhesive bead

- ☐ Applying adhesive ⇒ [page 189](#)
 - ☐ Note minimum drying time ⇒ [page 185](#) .
 - ☐ Distances measured from edge of window to centre of adhesive bead:
- Dimension -b- = 17 mm ± 2 mm
 - Dimension -c- = 8 mm ± 2 mm
 - Dimension -d- = 12 mm ± 2 mm

3 - Trim cover

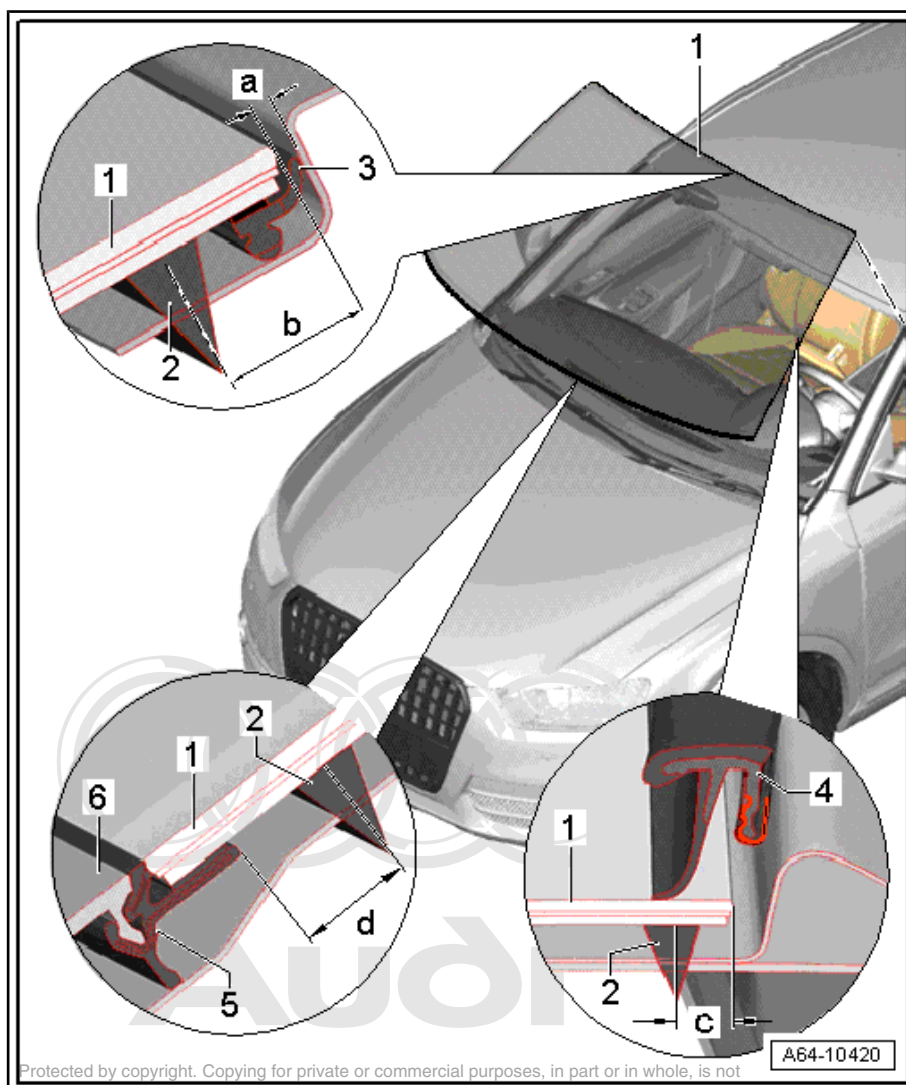
- ☐ Not available as a separate replacement part

4 - Water deflector strip

- ☐ Removing and installing ⇒ [page 242](#)

5 - Surround for plenum chamber cover

- ☐ Not available as a separate replacement part
- ☐ With a new windscreen, the protective beading must be pulled out before fitting the plenum chamber cover.



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A64-10420

6 - Plenum chamber cover

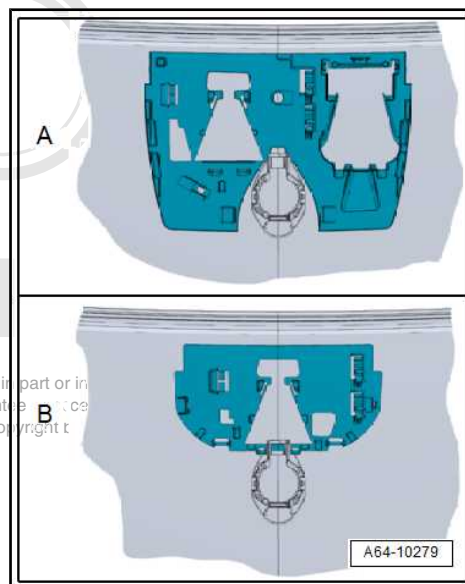
- Allow window adhesive to dry (minimum: 3 hours) before pressing plenum chamber cover into retaining strip.

Assigning windscreen to front camera for driver assist systems - R242-

Before ordering a new windscreen, the version must be determined on vehicles equipped with front camera for driver assist systems - R242- :

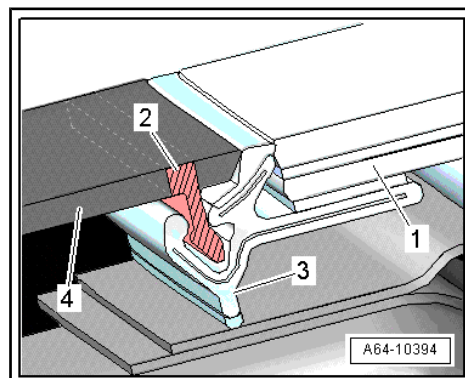
-A-	Retaining plate for front camera for driver assist systems - R242- , old version ⇒ Assign old windscreen version
-B-	Retaining plate for front camera for driver assist systems - R242- , new version ⇒ Assign new windscreen version

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Removing protective beading

- Before installing plenum chamber cover -4- when new windscreen -1- is installed, protective beading -2- must be removed from fastening strip -3-.



2.2 Removing and installing windscreen

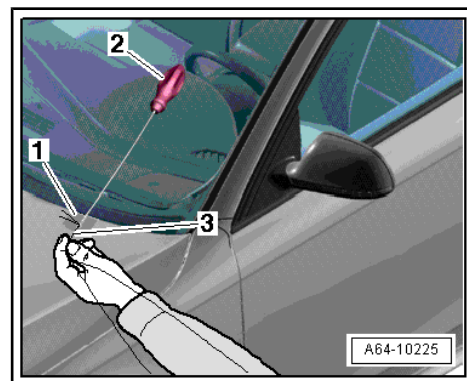
- Remove wiper arms ⇒ Electrical system; Rep. gr. 92 ; Windscreen wiper system; Removing and installing wiper arms .
- Remove plenum chamber cover ⇒ [page 16](#) .
- Remove sun visor (left and right) ⇒ General body repairs, interior; Rep. gr. 68 ; Equipment; Removing and installing sun visor .
- Remove interior mirror ⇒ General body repairs, interior; Rep. gr. 68 ; Interior mirror; Removing and installing interior mirror .
- Remove A-pillar trim (top left and right) ⇒ General body repairs, interior; Rep. gr. 70 ; Passenger compartment trim panels; Removing and installing A-pillar trim .



WARNING

Always wear safety goggles and leather gloves when removing window.

- Use wire reel - VAS 6452/1- to reel off about 6.5 metres of cutting wire (corresponding to 6 turns) and cut off.
- Mask over body flange with adhesive tape -1- to avoid damage where awl -2- is pushed through at the bottom.
- Pierce adhesive bead in this area with awl from inside to outside, as shown.
- Thread both ends of cutting wire -3- into awl -2- and pull through to the inside.

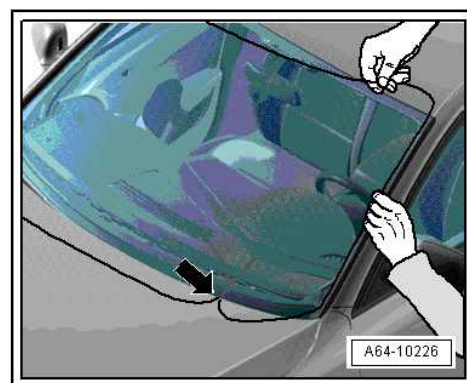


- Position cutting wire under glass all around windscreen, as shown.

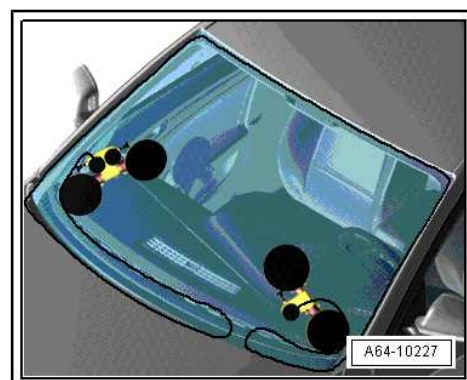
 **Caution**

The wire ends must not be twisted at the point where they pass through the adhesive bead -arrow-.

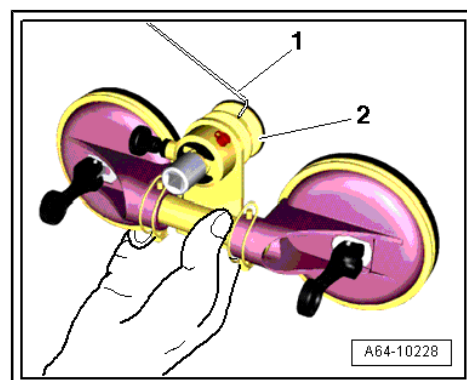
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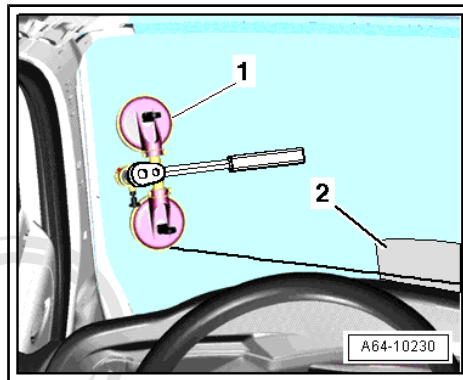
- Attach both reels to inside of windscreen, as shown.



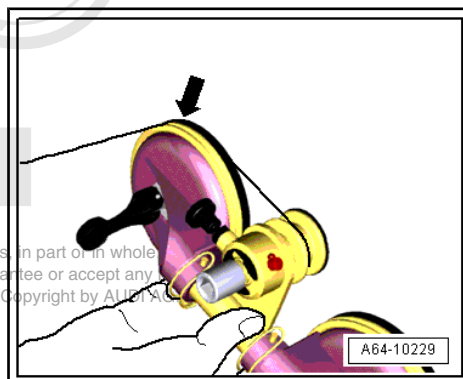
- Insert end of cutting wire -1- into reel -2-.



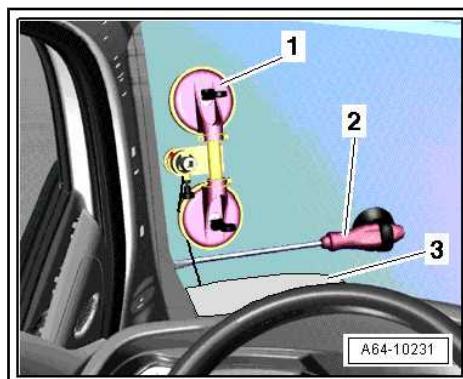
- Tension cutting wire and insert protective film -2- between dash panel and wire.



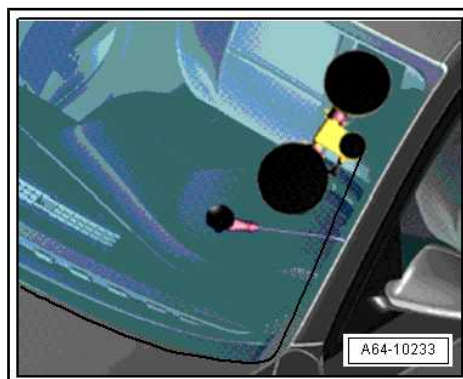
- Cut clear the first area. While doing so, wire is guided into integrated idler pulley -arrow- on reel.



- Additionally insert guide awl -2- into adhesive bead, as shown, and attach it to windscreen using suction pad so that wire runs along windscreen as close to the glass as possible.
- Adjust protective film -3- as necessary with length of wire and continue cutting clear using reel -1-.



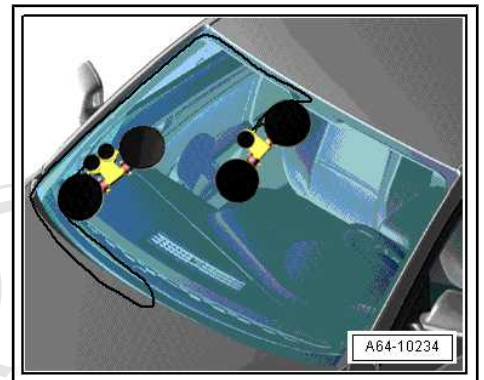
- Adjust reel and guide awl as shown, and cut clear area at A-pillar.
- Adjust reel and guide awl to approx. centre of windscreen, as shown.



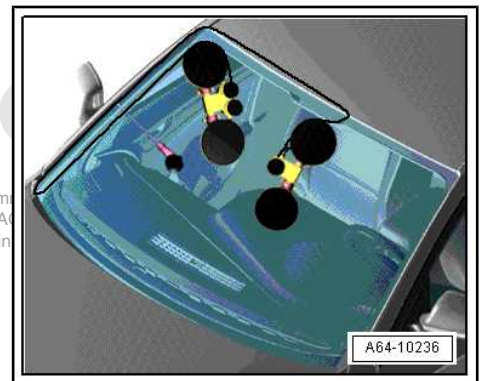
- Cut windscreen clear approx. to centre.



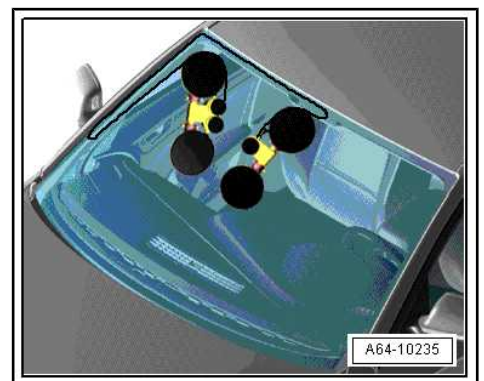
- Use second reel to cut clear bottom area of windscreen.



- Move reel up and insert guide awl, as shown.



- Cut windscreen clear upwards along A-pillar.

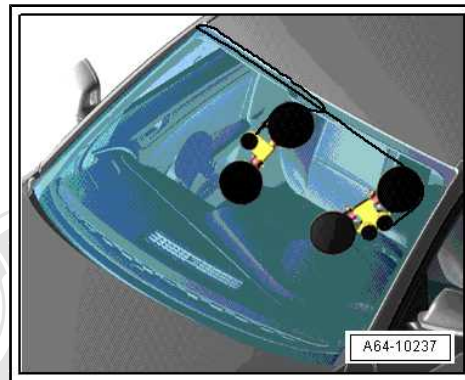


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- Adjust reel over centre of windscreen and adjust first reel as shown and cut windscreen fully clear at top.
- Lift windscreen out of vehicle using two suction lifters.

Installing

- Notes on installing ➔ [page 186](#)
- Preparing undamaged windscreen for installation ➔ [page 189](#)
- Preparing new window for installation ➔ [page 189](#)
- Preparing body flange for installation ➔ [page 191](#)
- Using suction lifters, insert windscreen in opening and align centrally.
- Distance from edge of windscreen to roof frame ➔ [Item 1 \(page 193\)](#)
- Secure windscreen to roof at top with adhesive tape.
- Pull protective strip -2- out of windscreen surround before fitting plenum chamber cover.
- Note minimum drying time ➔ [page 185](#) .



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Note

When installing a new replacement windscreen, the protective beading in the retaining strip at the bottom of the windscreen must be removed before installing the plenum chamber cover ➔ [page 194](#) .

3 Rear window

⇒ "3.1 Exploded view - rear window", page 199

⇒ "3.2 Removing and installing rear window", page 200

3.1 Exploded view - rear window



Note

- ◆ The rear window may be supplied with connections that are only required if certain optional equipment is installed.
- ◆ Cut off any cables that are not used directly at the connections on the rear window.

1 - Spoiler for rear window

- ❑ Removing and installing
⇒ page 225

2 - Rear window

- ❑ Prior to removal, unplug all electrical connectors and move contacts inwards towards the centre of the window and fix in position with adhesive tape.
- ❑ Distance to rear lid: dimension -c- = 2 mm
- ❑ Align glass so that spacing is equal on both sides.

3 - Roof spoiler

- ❑ Removing and installing
⇒ page 227

4 - Adhesive bead

- ❑ Applying adhesive
⇒ page 189
- ❑ Note minimum drying time ⇒ page 185 .
- ❑ Distances measured from edge of window to centre of adhesive bead:

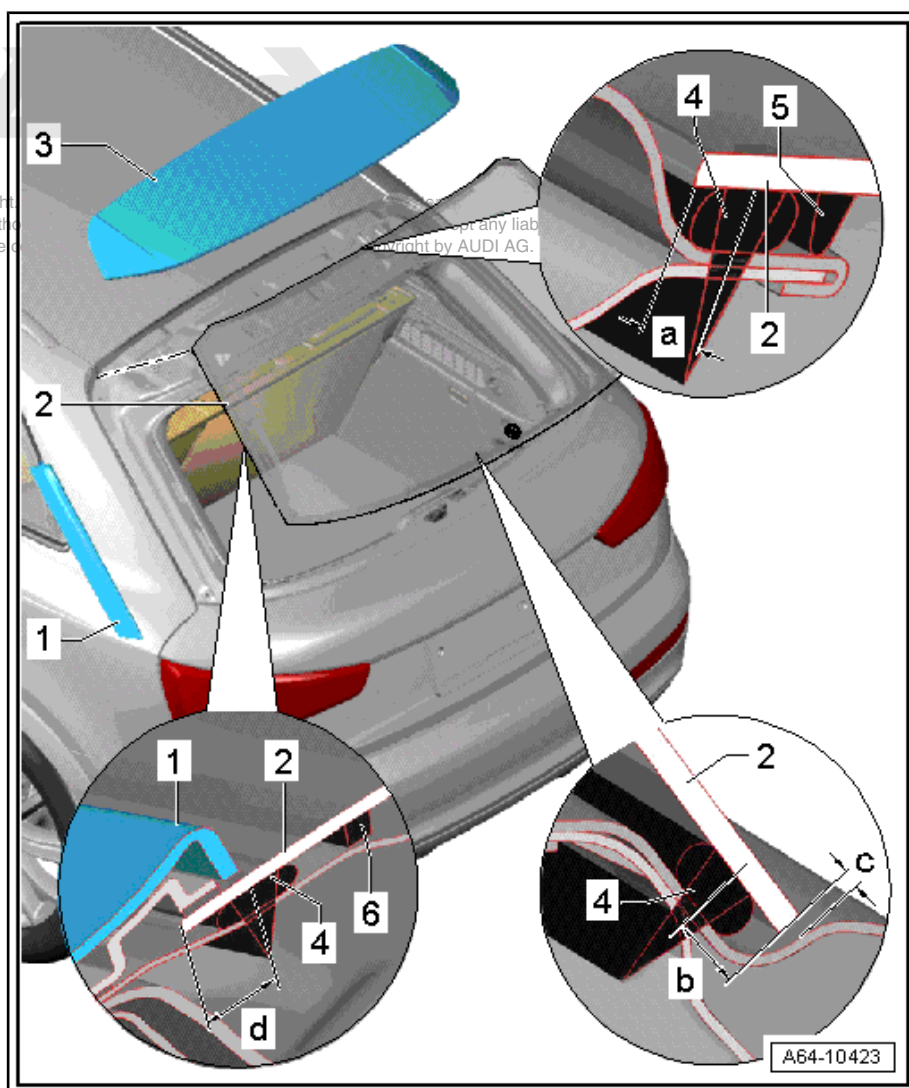
- ◆ Dimension -a- = 8 mm
- ◆ Dimension -b- = 12 mm
- ◆ Dimension -d- = 12 mm

5 - Spacer

- ❑ Supplied together with rear window

6 - Adhesive stopper strip

- ❑ Affix adhesive stopper strip directly adjacent to bus bar for window heating at sides towards edge of window.



3.2 Removing and installing rear window

⇒ [“3.2.1 Removing undamaged rear window”, page 200](#)

⇒ [“3.2.2 Removing damaged rear window”, page 203](#)

⇒ [“3.2.3 Installing rear window”, page 203](#)

3.2.1 Removing undamaged rear window

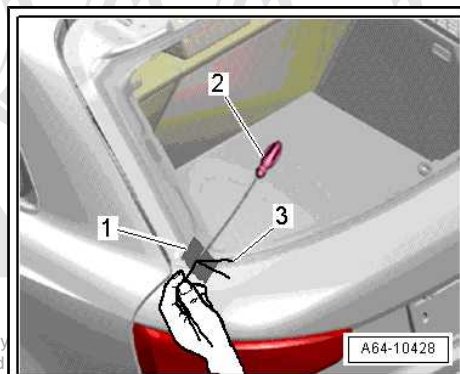
- Roof spoiler removed ⇒ [page 227](#)
- Spoiler for rear window removed ⇒ [page 225](#)
- Rear window wiper removed ⇒ Electrical system; Rep. gr. 92 ; Rear window wiper system; Removing and installing wiper arm .
- Rear lid trim removed ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing rear lid trim (top) .
- Unplug electrical connectors for heated rear window and window aerial, move towards centre of window and secure with adhesive tape.



WARNING

Always wear safety goggles and leather gloves when removing window.

- Use wire reel - VAS 6452/1- to reel off about 6.5 metres of cutting wire (corresponding to 6 turns) and cut off.
- Mask over body flange with adhesive tape -1- to avoid damage where awl is pushed through at the bottom.
- Thread both ends of cutting wire -3- into awl -2- and pull through to the inside.

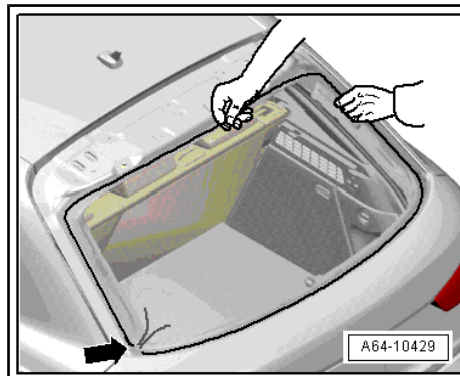


- Position cutting wire under glass all around window, as shown.
- Position cutting wire around rear window (under window), as shown.

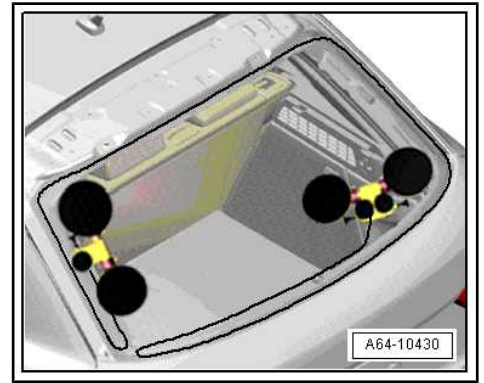


Caution

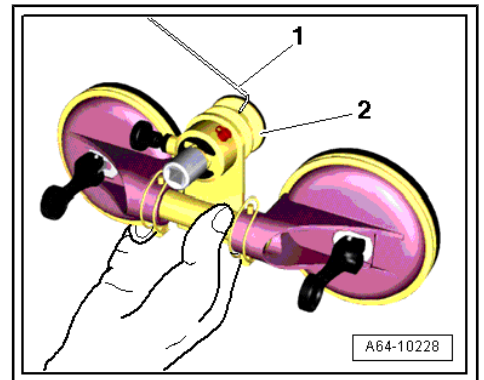
The wire ends must not be twisted at the point where they pass through the adhesive bead -arrow-.



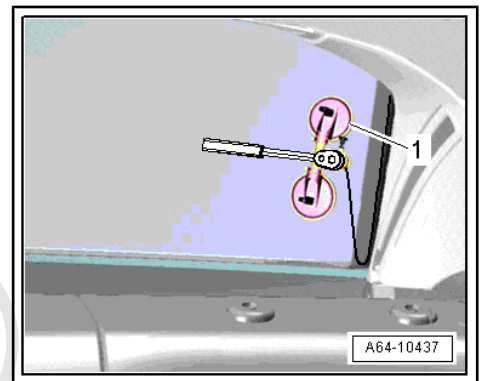
- Attach both reels to inside of window, as shown.



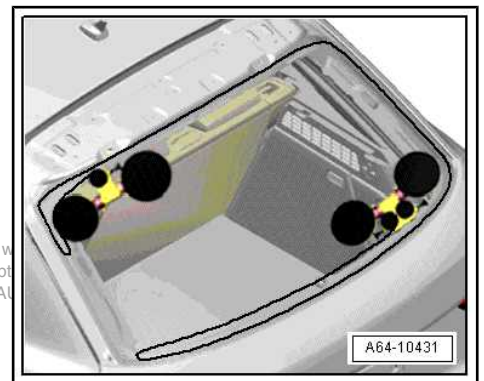
- Insert end of cutting wire -1- into reel -2-.



- Cut first section clear upwards along D-pillar.

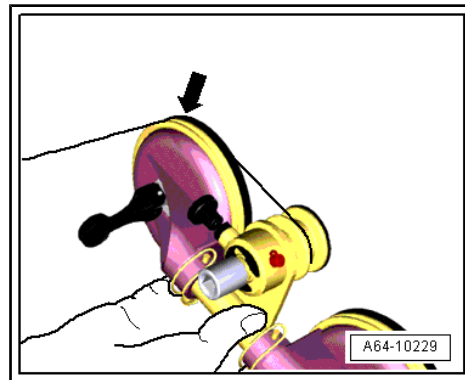


- Move reel as shown.

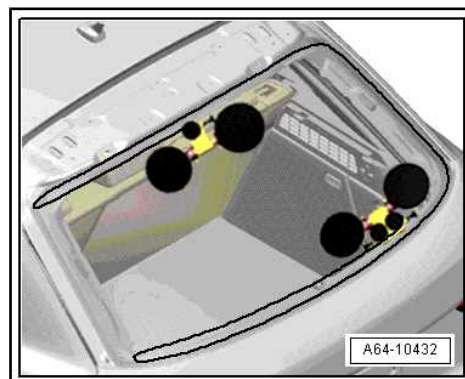


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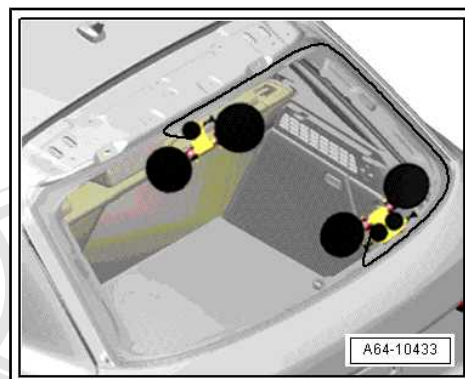
- While doing so, wire is guided into integrated idler pulley -arrow- on reel.
- Cut window clear at top left corner.



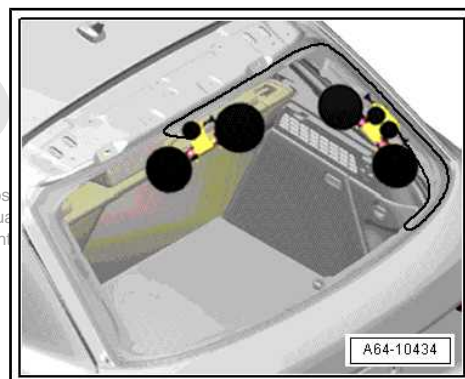
- Move reel as shown.
- Cut clear window from top edge towards right side.



- Also cut window clear from bottom edge towards right side.

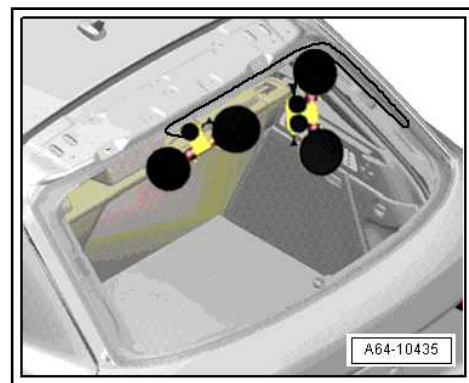


- Move reel to D-pillar as shown.
- Cut window clear at bottom right corner.

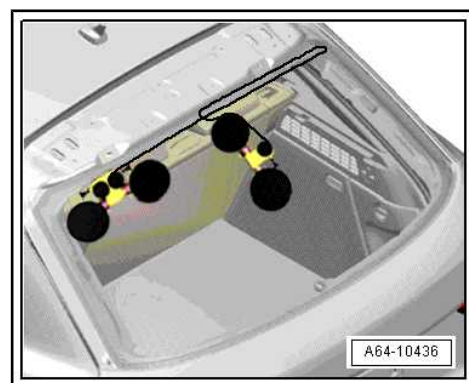


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- Move reel upwards, as shown, and cut window clear at D-pillar.
- Cut window clear at top right corner.



- Move right reel over left reel, as shown, and completely cut out window.
- Lift window out of rear lid using suction lifters.



3.2.2 Removing damaged rear window



WARNING

Always wear safety goggles and leather gloves when removing window.

- Protect body and interior against damage from glass splinters.
- Remove glass fragments down to adhesive sealant.
- Unplug electrical connectors for heated rear window and window aerial.
- Mask flange all round with fabric-backed adhesive tape.
- Cut through adhesive sealant (with glass fragments) in window opening using electric cutter - V.A.G 1561A- and offset blade - V.A.G 1561/10- (with roller stop).

3.2.3 Installing rear window

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- Notes on installing ➔ [page 186](#)
- Preparing new window for installation ➔ [page 189](#)
- Preparing undamaged window for installation ➔ [page 189](#)
- Preparing body flange for installation ➔ [page 191](#)
- Fit rear window into window opening using suction lifters.



Caution

- *The glass must be fitted within 15 minutes; otherwise the adhesive properties of the adhesive sealant will be impaired.*
- *The rear window must be fitted so it is aligned centrally relative to the rear window wiper shaft.*

- Align glass so that spacing is equal on both sides.
- Minimum drying time ➔ [page 185](#)



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4 Side windows

⇒ ["4.1 Exploded view - side window \(rear\)", page 205](#)

⇒ ["4.2 Removing and installing side window \(rear\)", page 206](#)

4.1 Exploded view - side window (rear)

1 - Side window

- ☐ Remove roof trim strip from retaining clips in area of side window.
- ☐ Removing and installing ⇒ [page 206](#)
- ☐ When installing a new window, first insert window with locating pin on D-pillar, then press fully into window opening and engage locating pins at C-pillar.
- ☐ If "old" window is to be re-installed without locating pins, window must be secured in window opening using adhesive tape.

2 - Locating pin

- ☐ Not available as a separate replacement part
- ☐ Is cut in two when window is removed

3 - Adhesive bead

- Apply directly next to moulding

4 - Roof trim strip

- ☐ Unclip in area of side window

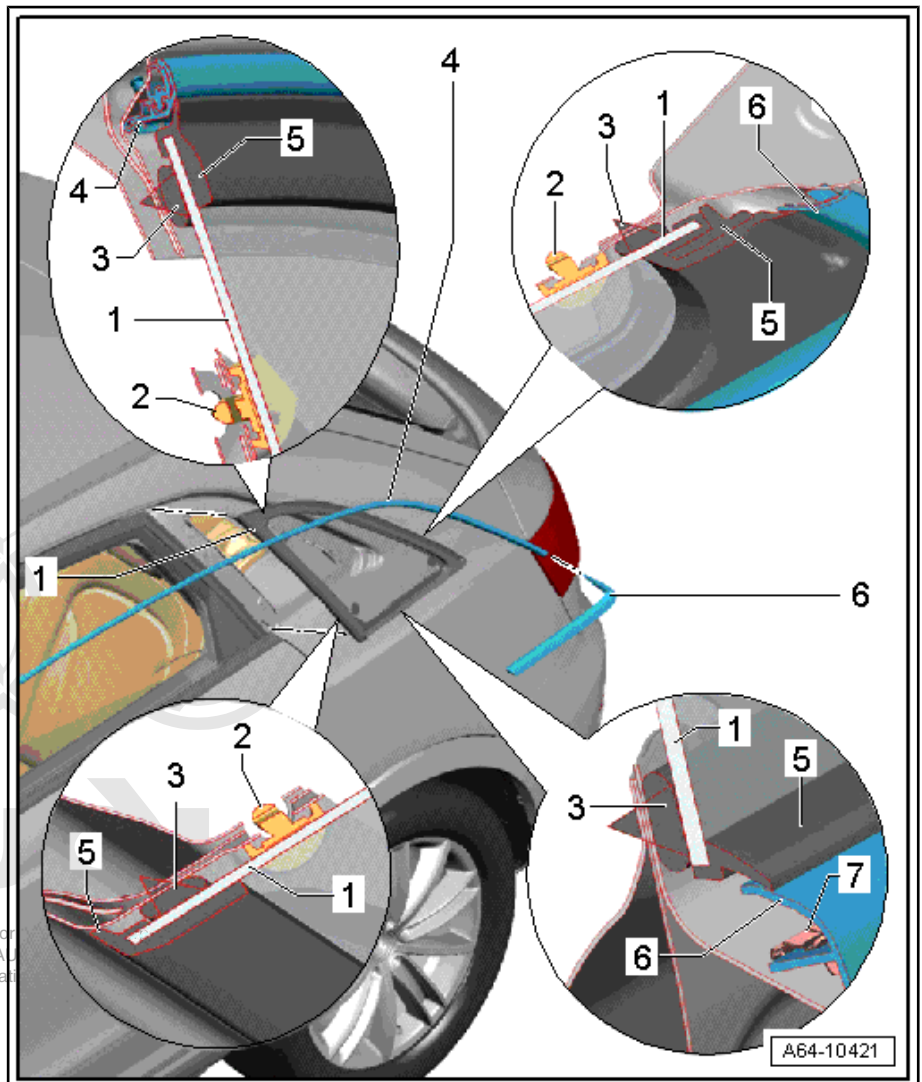
5 - Moulding

- ☐ Not available as a separate replacement part
- ☐ Visible area must not be damaged.

6 - Trim strip for side panel

- ☐ Removing and installing ⇒ [page 240](#)

7 - Retaining clip



4.2 Removing and installing side window (rear)

⇒ ["4.2.1 Removing undamaged side window \(rear\)", page 206](#)

⇒ ["4.2.2 Removing damaged side window \(rear\)", page 206](#)

⇒ ["4.2.3 Installing side window \(rear\)", page 206](#)

4.2.1 Removing undamaged side window (rear)



Caution

Use adhesive tape to protect paintwork of side panel and roof in cutting area.

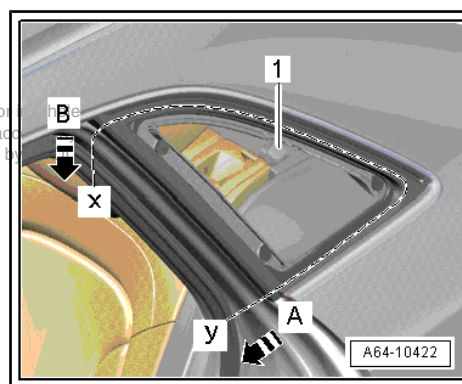
- Remove trim strip ⇒ [page 240](#) .



Caution

Do NOT bend roof trim strip.

- Route cutting cord around side window -1- as shown in illustration.
- Secure ends X and Y in two pull handles of cutting tool - V.A.G 1351- .
- With gentle sawing motion, pull cutting wire towards front in direction of -arrow A- and cut through adhesive bead at bottom of side panel and at roof frame.
- This involves first cutting the locating pin at the back of the window and then the adhesive bead.
- Then pull cutting wire downwards in direction of -arrow B- through adhesive bead.
- Take window out of window opening.



4.2.2 Removing damaged side window (rear)

- Protect body and interior against damage from glass splinters.
- Mask flange all round with fabric-backed adhesive tape.
- Remove glass fragments down to adhesive sealant.



WARNING

Always wear safety goggles and leather gloves when removing window.

- Cut through adhesive sealant (with glass fragments) in window opening using electric cutter - V.A.G 1561A- and offset blade - V.A.G 1561/10- (with roller stop).

4.2.3 Installing side window (rear)

- Notes on installing ⇒ [page 186](#)
- Preparing new window for installation ⇒ [page 189](#)

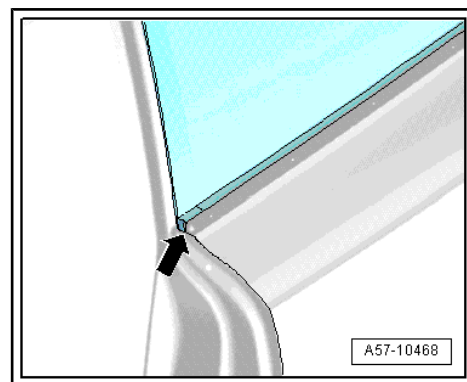
- Preparing undamaged window for installation ⇒ [page 189](#)
- Preparing body flange for installation ⇒ [page 191](#)



Note

Use 1-component window adhesive - DH 009 100 03- (small cartridge). If more than one window/glass has to be bonded, 2-component window adhesive set - D 004 660 M2- can also be used.

- First press in new window with locating pin at D-pillar, then insert in window opening and press locating pins into C-pillar.
- When installing windows without locating pin, align window lengthwise at edge of side panel -arrow- and insert into window opening.
- Secure window glass in position in window opening with adhesive tape (without locating pins).
- Note minimum drying time ⇒ [page 185](#) .



5 Door windows

⇒ ["5.1 Exploded view - front door window", page 208](#)

⇒ ["5.2 Exploded view - rear door window", page 209](#)

⇒ ["5.3 Removing and installing front door window", page 210](#)

⇒ ["5.4 Removing and installing rear door window", page 211](#)

5.1 Exploded view - front door window

1 - Door window

- ❑ Removing and installing
⇒ [page 210](#)

2 - Door

3 - Driver side window regulator motor - V147-

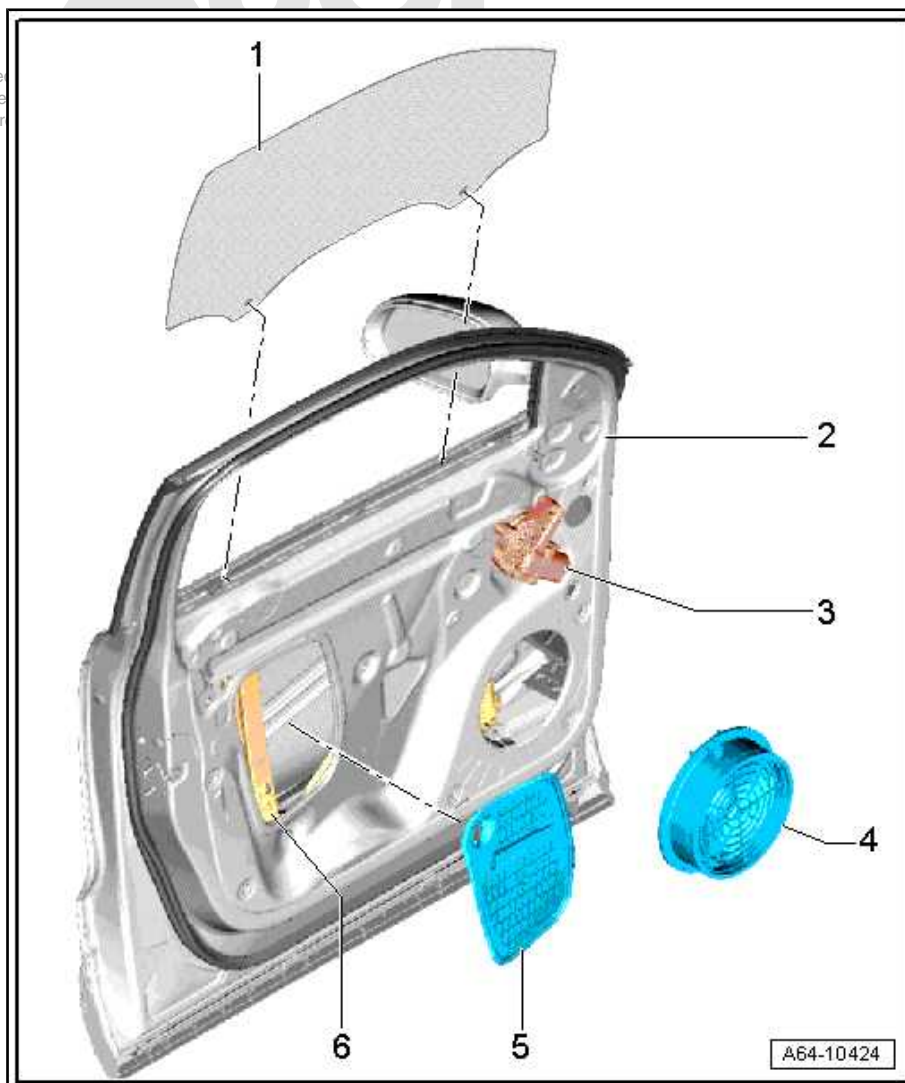
4 - Loudspeaker

- ❑ Removing ⇒ Communication; Rep. gr. 91 ; Sound system; Overview of fitting locations - sound system

5 - Inner door cover

- ❑ Removing and installing
⇒ [page 89](#)

6 - Window regulator



5.2 Exploded view - rear door window

1 - Rear door window

2 - Rear door

3 - Rear left window regulator motor - V26-

❑ Removing ⇒ [page 115](#)

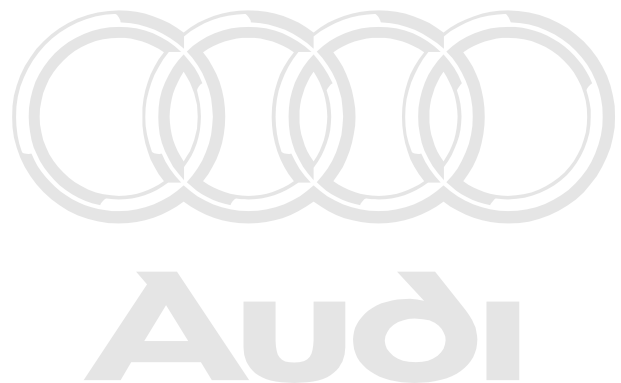
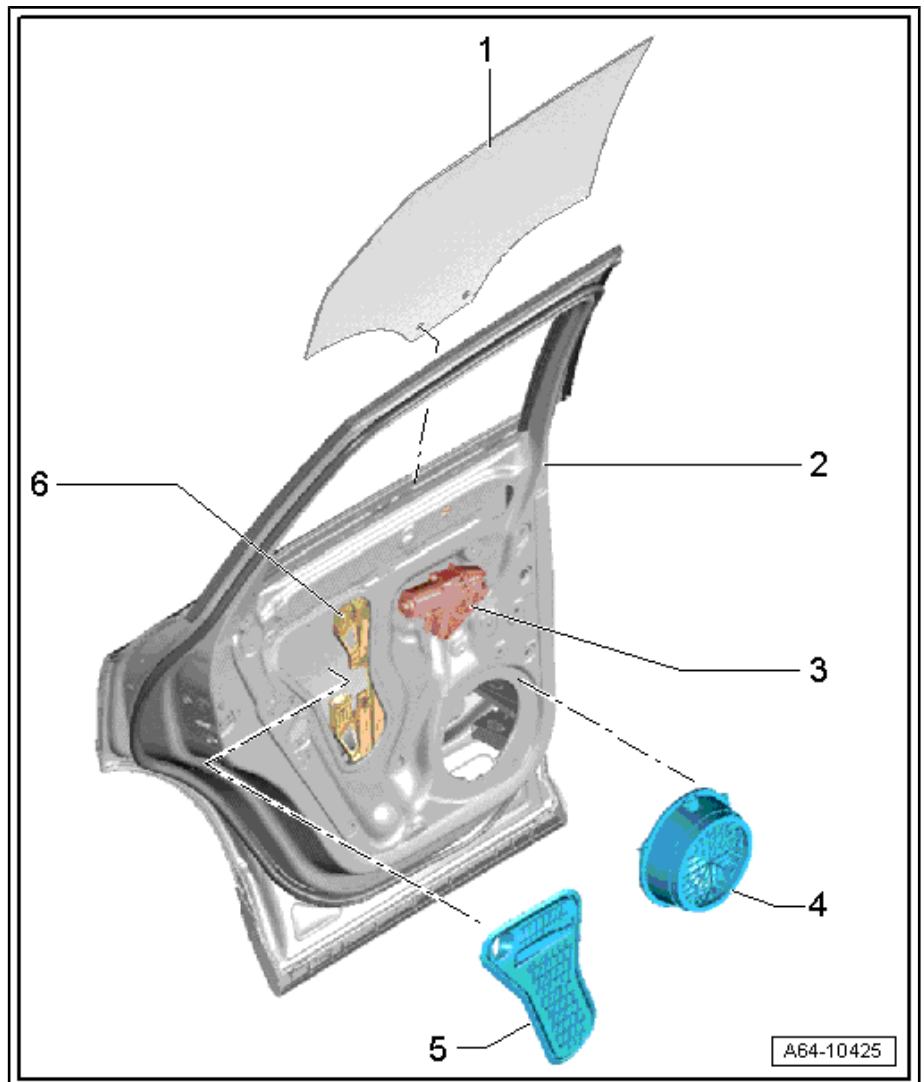
4 - Loudspeaker

❑ Removing ⇒ Communication; Rep. gr. 91 ;
Sound system; Overview of fitting locations -
sound system

5 - Inner door cover

❑ Removing and installing
⇒ [page 123](#)

6 - Window regulator



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5.3 Removing and installing front door window

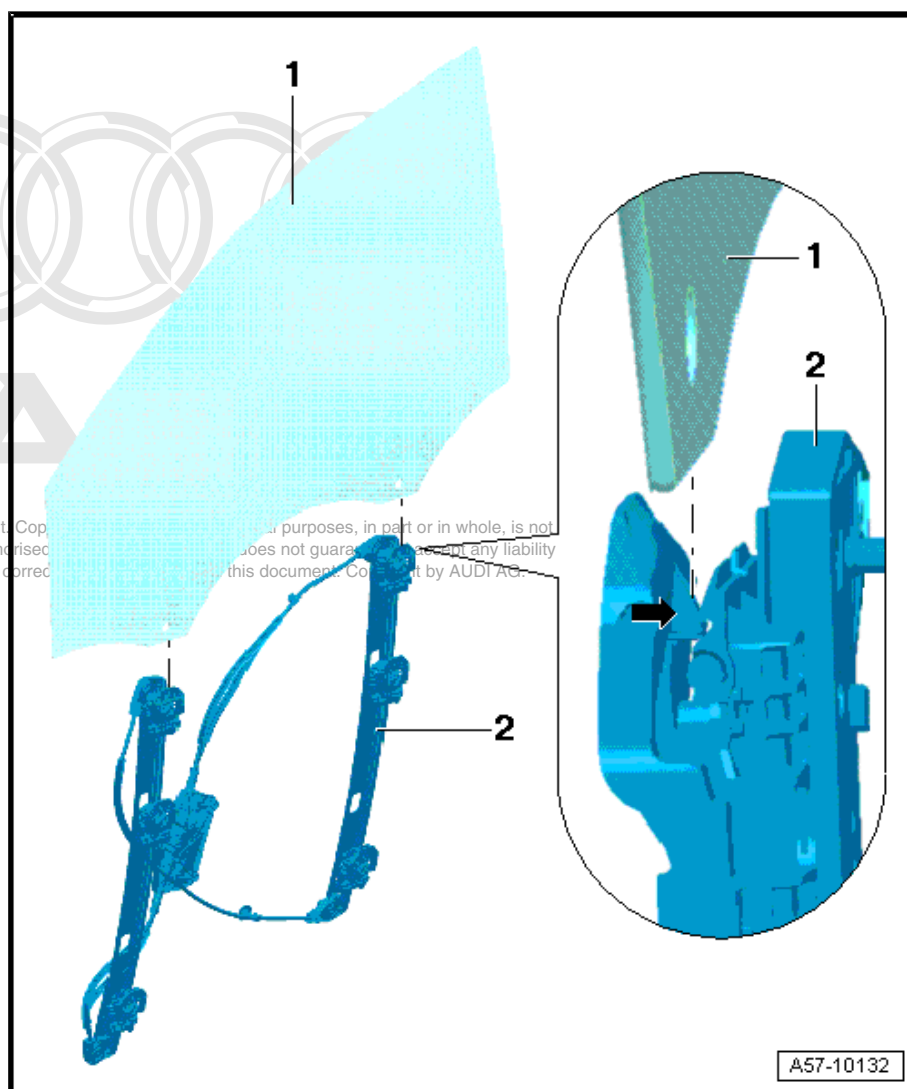
Removing

1 - Door window

- ❑ Inner door cover
⇒ [page 89](#) and loud-speaker removed ⇒
Communication; Rep. gr. 91 ; Sound system;
Overview of fitting locations - sound system
- To remove, release catches -arrow- from actuator -2- using a screwdriver and pull window -1- up slightly in window guide.
- Tilt window towards front and pull it upwards, out of door.

2 - Window regulator

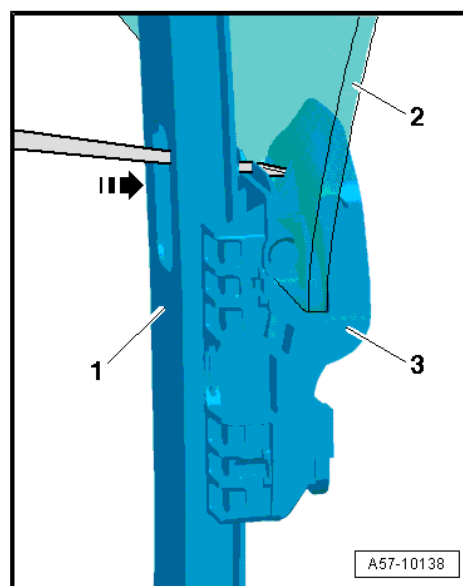
- ❑ Window regulator remains installed in door.



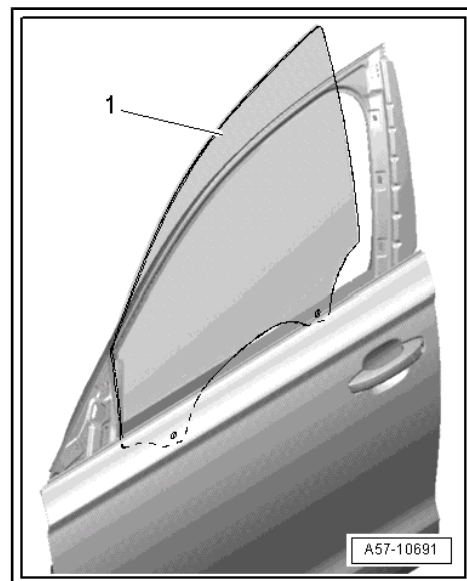
Releasing door window

- Lower door window.
- Use screwdriver or similar tool to press actuator -3- outwards through opening in window guide -1- and hole in door window -2- in order to release actuator.
- Pull window upwards out of actuator.
- Tilt window diagonally forwards and pull upwards out of window guide.

Inserting door window



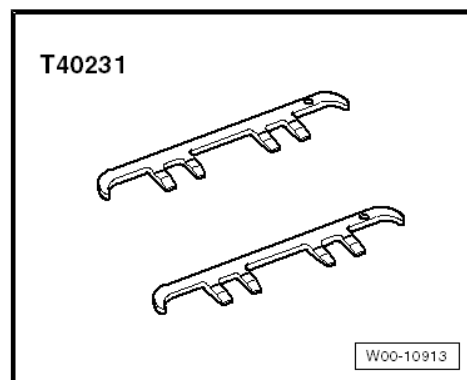
- Fit door window -1- in window guide of door, inserting it diagonally towards front of vehicle.
- Align window in window guides at front and rear and push window downwards.
- Press window down into actuators.
- The actuators then engage in the window.



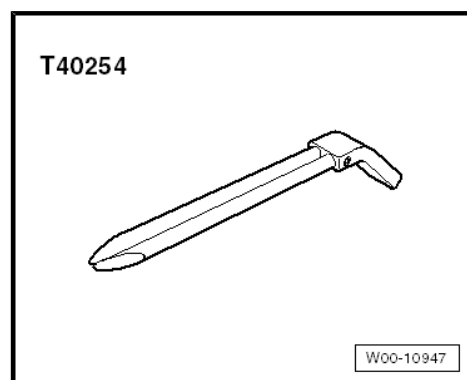
5.4 Removing and installing rear door window

Special tools and workshop equipment required

- ◆ Removal tool - T40231-



- ◆ Release tool - T40254-



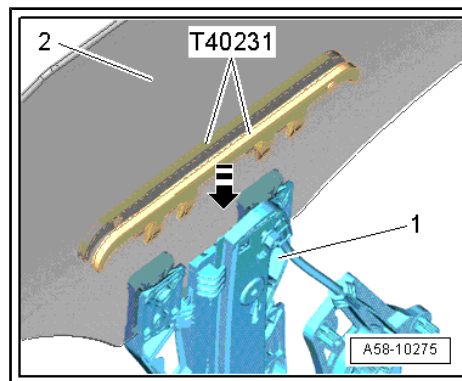
Removing door window (standard glass)

- Remove door trim ➔ General body repairs, interior; Rep. gr. 70 ; Door trim (rear); Removing and installing door trim (rear) .
- Remove inner window slot trim strip.
- Remove inner door cover ➔ [page 123](#)
- Remove guide rail for door window ➔ [page 125](#) .



- Insert removal tool - T40231- on both sides of door window and press downwards at mounting at window regulator -1-.
- This will bend open mounting at window regulator so that door window with retaining pins can be lifted out.
- Pull door window -2- upwards out of mounting and lift out of door.

Removing door window (insulating glass)



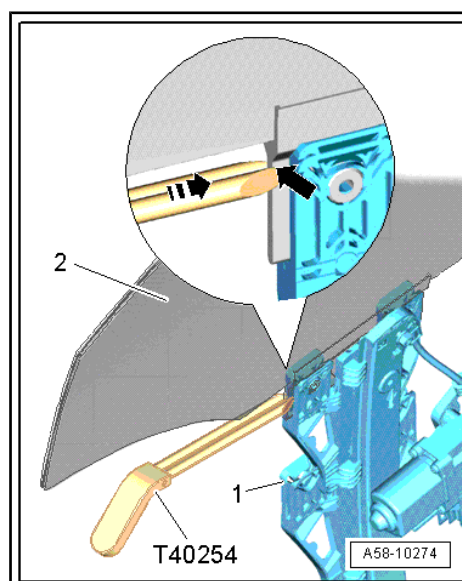
- Insert release tool - T40254- completely in direction of -dotted arrow- in radius -arrow- of adapter.
- This will bend open mounting at window regulator so that door window can be lifted out with retaining pins in adapter.

Installing door window

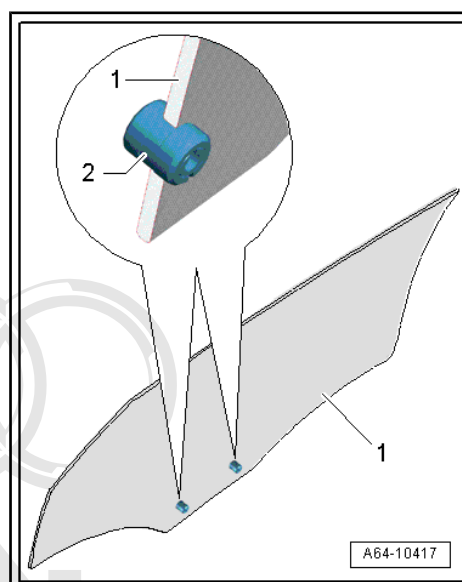


Note

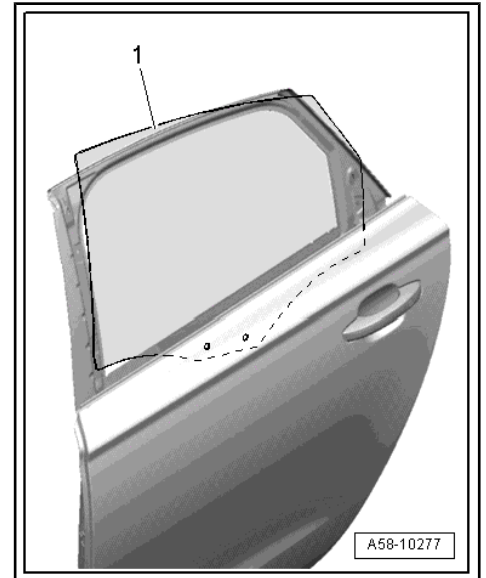
When installing new standard-glass door windows, the retaining pins must be pressed in first.



- Insert retaining pins -2- centrally in door window -1- and press locking pin in until it is flush.



- Fit door window -1- in window guide of door, inserting it diagonally towards rear of vehicle.
- Align door window in window guides and slide window downwards; make sure door window moves exactly into mounting at front and rear.
- Press window down into mounting of window regulator.
- Retaining pins then engage audibly in mounting.



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66 – Exterior equipment

1 Radiator grille/front trim panel

⇒ [“1.1 Exploded view - radiator grille”, page 214](#)

⇒ [“1.2 Removing and installing radiator grille”, page 218](#)

1.1 Exploded view - radiator grille

⇒ [“1.1.1 Exploded view - radiator grille, vehicles up to model year 2014”, page 214](#)

⇒ [“1.1.2 Exploded view - radiator grille, vehicles from model year 2015 onwards”, page 215](#)

⇒ [“1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014”, page 216](#)

⇒ [“1.1.4 Exploded view - radiator grille, Audi RS Q3 from model year 2015 onwards”, page 217](#)

1.1.1 Exploded view - radiator grille, vehicles up to model year 2014

1 - Audi rings

- ☐ Removing and installing
⇒ [page 278](#)

2 - Mounting bracket (right-side)

- ☐ For parking aid sender
- ☐ Removing and installing
⇒ [page 223](#)

3 - quattro emblem

- ☐ Equipment version
- ☐ Removing and installing
⇒ [page 279](#)

4 - Radiator grille

- ☐ Removing and installing
⇒ [page 218](#)

5 - Reinforcement strut

- ☐ For radiator grille
- ☐ Removing and installing
⇒ [page 221](#)

6 - Bolt

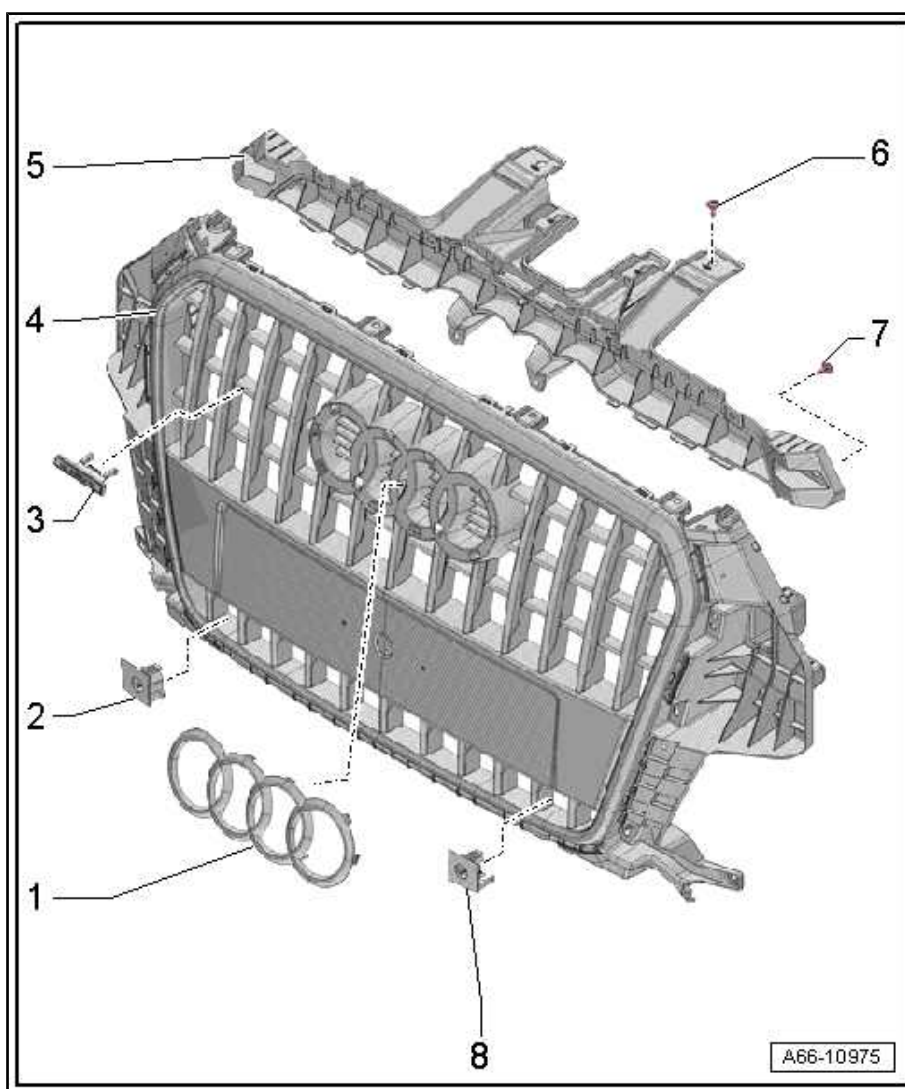
- ☐ 4x
- ☐ 4.5 Nm

7 - Bolt

- ☐ 4x
- ☐ 1.5 Nm

8 - Mounting bracket (left-side)

- ☐ For parking aid sender
- ☐ Removing and installing
⇒ [page 223](#)



1.1.2 Exploded view - radiator grille, vehicles from model year 2015 onwards

1 - Trim frame

- ☐ For radiator grille
- ☐ Combined in one component with radiator grille; cannot be renewed separately ⇒ Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 220](#)

2 - Radiator grille

- ☐ Removing and installing
⇒ [page 219](#)

3 - Reinforcement strut

- ☐ For radiator grille
- ☐ Removing and installing
⇒ [page 222](#)

4 - Bolt

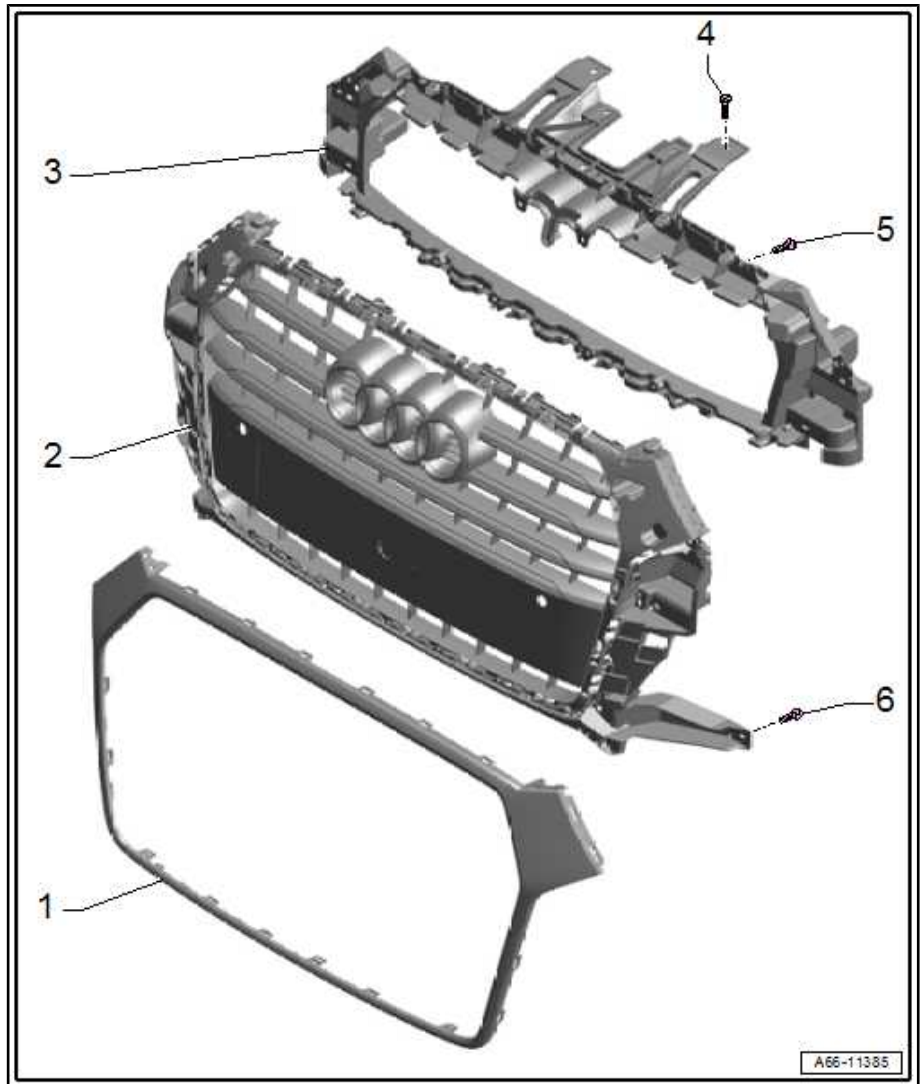
- ☐ 4x
- ☐ 4.5 Nm

5 - Bolt

- ☐ 4x
- ☐ 1.5 Nm

6 - Bolt

- ☐ 4x
- ☐ 1.5 Nm



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1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014

1 - Grille (centre)

- ☐ Removing and installing
⇒ [page 221](#)

2 - Bolt

- ☐ 2x
- ☐ 0.9 Nm

3 - Number plate holder

- ☐ Different versions ⇒
Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 222](#)

4 - Radiator grille

- ☐ Removing and installing
⇒ [page 220](#)

5 - Bolt

- ☐ 4x
- ☐ 4.5 Nm

6 - Reinforcement strut

- ☐ For radiator grille
- ☐ Removing and installing
⇒ [page 221](#)

7 - Bolt

- ☐ 4x
- ☐ 1.5 Nm

8 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

9 - Mounting bracket

- ☐ For parking aid sender
- ☐ Removing and installing ⇒ [page 223](#)

10 - Bolt

- ☐ 8x
- ☐ 1.5 Nm

11 - Bolt

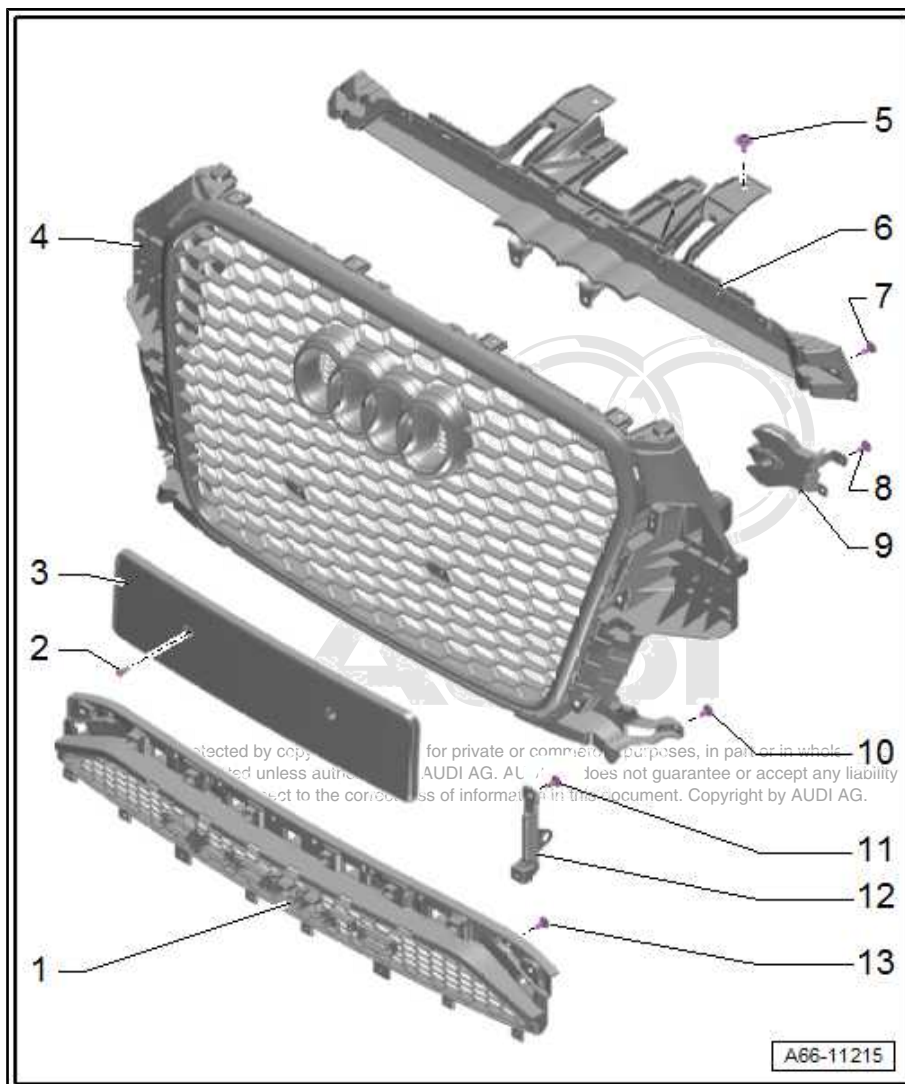
- ☐ 4x
- ☐ 1.5 Nm

12 - Reinforcement strut

- ☐ For radiator grille (bottom)
- ☐ 2x

13 - Bolt

- ☐ 12x
- ☐ 1.5 Nm



1.1.4 Exploded view - radiator grille, Audi RS Q3 from model year 2015 onwards

1 - Grille (centre)

- ☐ Removing and installing
⇒ [page 221](#)

2 - Bolt

- ☐ 2x
- ☐ 0.9 Nm

3 - Number plate holder

- ☐ Different versions ⇒
Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 222](#)

4 - Trim frame

- ☐ For radiator grille
- ☐ Combined in one component with radiator grille; cannot be renewed separately ⇒
Electronic parts catalogue
- ☐ Removing and installing
⇒ [page 220](#)

5 - Radiator grille

- ☐ Removing and installing
⇒ [page 219](#)

6 - Bolt

- ☐ 4x
- ☐ 4.5 Nm

7 - Reinforcement strut

- ☐ For radiator grille
- ☐ Removing and installing
⇒ [page 222](#)

8 - Bolt

- ☐ 4x
- ☐ 1.5 Nm

9 - Bolt

- ☐ 2x
- ☐ 1.5 Nm

10 - Mounting bracket

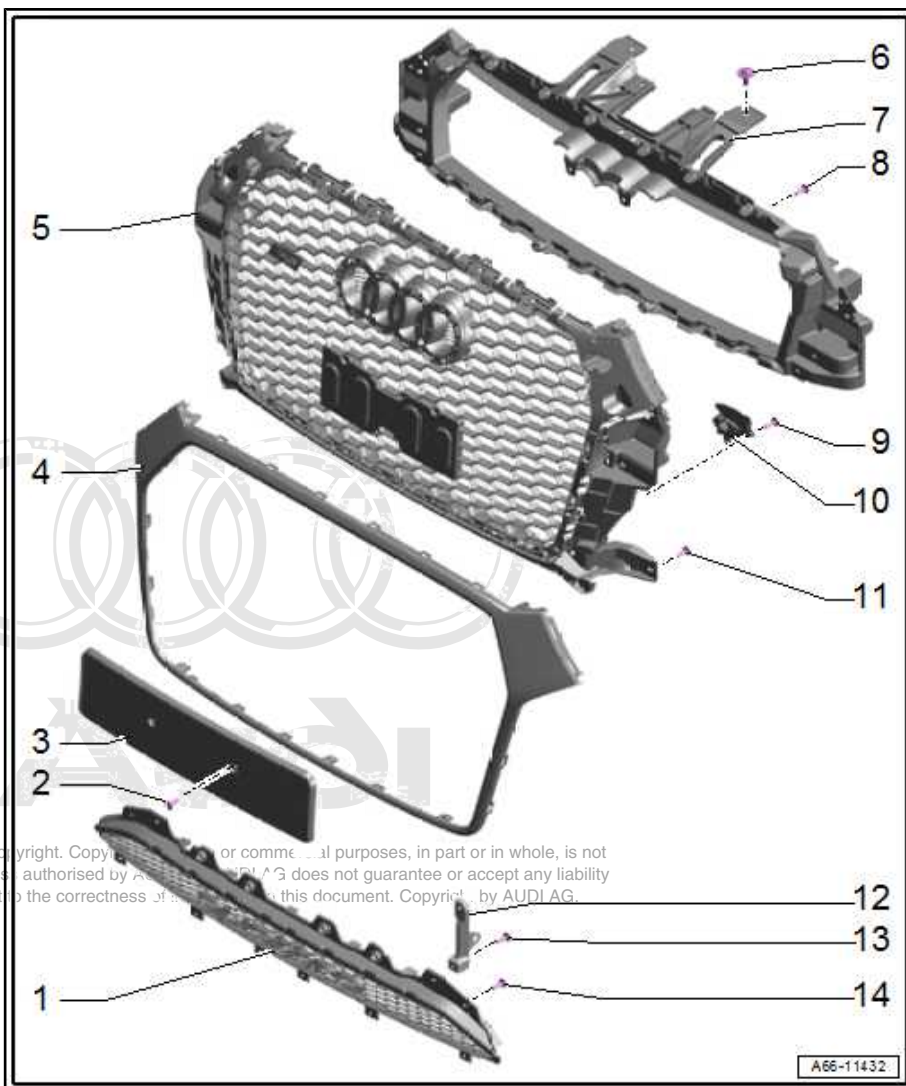
- ☐ For parking aid sender
- ☐ Removing and installing ⇒ [page 223](#)

11 - Bolt

- ☐ 8x
- ☐ 1.5 Nm

12 - Reinforcement strut

- ☐ For radiator grille (bottom)
- ☐ 2x





13 - Bolt

- 4x
- 1.5 Nm

14 - Bolt

- 8x
- 1.5 Nm

1.2 Removing and installing radiator grille

⇒ ["1.2.1 Removing and installing radiator grille - Audi Q3 up to model year 2014", page 218](#)

⇒ ["1.2.2 Removing and installing radiator grille, Audi Q3 offroad/ S line", page 219](#)

⇒ ["1.2.3 Removing and installing radiator grille - vehicles from model year 2015 onwards", page 219](#)

⇒ ["1.2.4 Removing and installing radiator grille - Audi RS Q3 up to model year 2014", page 220](#)

⇒ ["1.2.5 Removing and installing trim frame for radiator grille - vehicles from model year 2015 onwards", page 220](#)

⇒ ["1.2.6 Removing and installing grille \(centre, bottom section\) - Audi RS Q3", page 221](#)

⇒ ["1.2.7 Removing and installing reinforcement strut - version 1", page 221](#)

⇒ ["1.2.8 Removing and installing reinforcement strut - version 2", page 222](#)

⇒ ["1.2.9 Removing and installing number plate holder - Audi RS Q3", page 222](#)

⇒ ["1.2.10 Removing and installing mounting bracket for front parking aid sender", page 223](#)

⇒ ["1.2.11 Removing and installing mounting bracket for front parking aid sender - Audi RS Q3 up to model year 2014", page 223](#)

⇒ ["1.2.12 Removing and installing mounting bracket for front parking aid sender - Audi RS Q3 from model year 2015 onwards", page 223](#)

1.2.1 Removing and installing radiator grille - Audi Q3 up to model year 2014

Removing

- Remove bumper cover ⇒ [page 152](#) .
- Remove bumper cover (outer sections) ⇒ [page 160](#) .
- If radiator grille is to be renewed:
 - ◆ Remove reinforcement strut ⇒ [page 221](#) .
 - ◆ Remove quattro emblem ⇒ [page 279](#) .
 - ◆ Remove mounting bracket for parking aid sender ⇒ [page 223](#) .
 - ◆ Remove Audi rings ⇒ [page 278](#) .

Installing

- Tightening torques
⇒ ["1.1 Exploded view - radiator grille", page 214](#)

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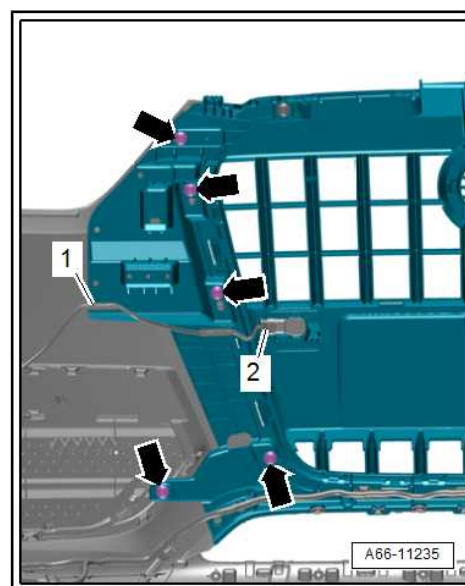
Install in reverse order of removal; note the following:

- Install bumper cover (outer section) ➔ [page 160](#) .

1.2.2 Removing and installing radiator grille, Audi Q3 offroad/S line

Removing

- Remove grille (centre).
- ◆ Audi Q3 offroad ➔ [page 157](#)
- ◆ Audi Q3 S line ➔ [page 157](#)
- Remove moulded foam insert ➔ [page 161](#) .
- Unplug electrical connector -2- and move wiring harness -1- clear.
- Remove bolts -arrows-.



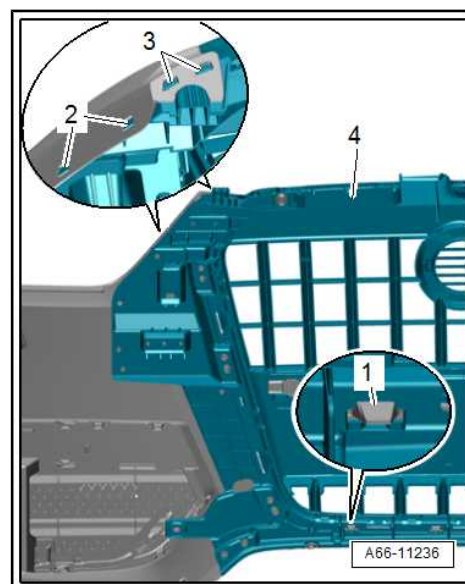
- Release fasteners -1, 2 and 3- and detach radiator grille -4- towards rear.

Installing

- Tightening torques
➔ ["1.1 Exploded view - radiator grille", page 214](#)

Install in reverse order of removal; note the following:

- Install grille (centre):
- ◆ Audi Q3 offroad ➔ [page 157](#)
- ◆ Audi Q3 S line ➔ [page 157](#)
- Install moulded foam insert ➔ [page 161](#) .



1.2.3 Removing and installing radiator grille - vehicles from model year 2015 onwards

Removing

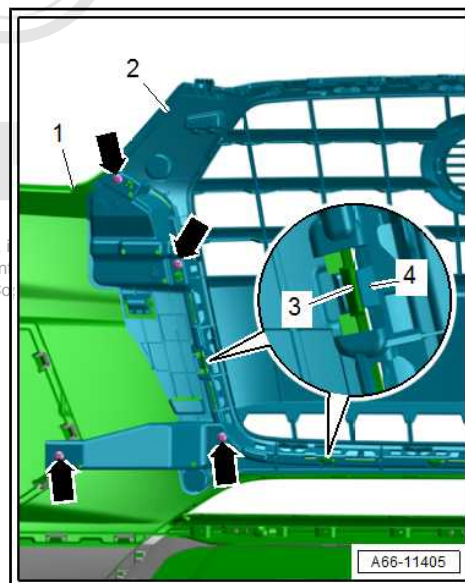
- Remove grille (centre): Audi Q3 ➔ [page 158](#) , Audi RS Q3 ➔ [page 221](#) .

- Remove reinforcement strut ➔ [page 222](#) .
- Unplug electrical connector for parking aid sender and move wiring harness clear.
- Remove bolts -arrows-.
- Lift securing tab -4- and release retaining tab -3-.
- Detach radiator grille -2- from bumper cover -1- towards rear.

Installing

- Tightening torques
➔ ["1.1 Exploded view - radiator grille", page 214](#)

Install in reverse order of removal.



1.2.4 Removing and installing radiator grille - Audi RS Q3 up to model year 2014

Removing

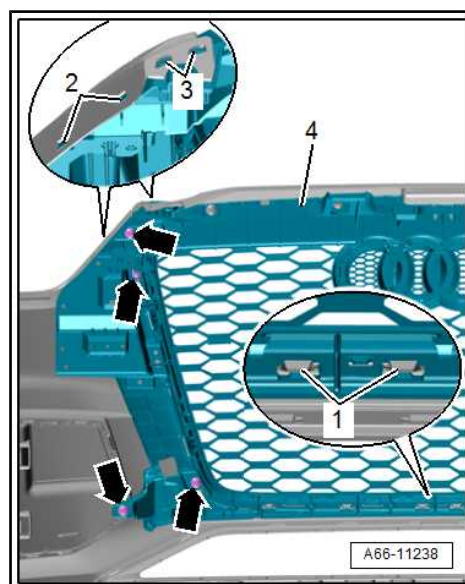
- Only unscrew upper bolts from grille (centre) ➔ [page 221](#) .
- Remove mounting bracket for front parking aid sender and move wiring harness clear ➔ [page 223](#) .
- Remove bolts -arrows-.
- Release fasteners -1, 2 and 3- and detach radiator grille -4- towards rear.

Installing

- Tightening torques
➔ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)

Install in reverse order of removal; note the following:

- Install mounting bracket for front parking aid sender
➔ [page 223](#) .
- Install radiator grille (bottom) ➔ [page 221](#) .



1.2.5 Removing and installing trim frame for radiator grille - vehicles from model year 2015 onwards

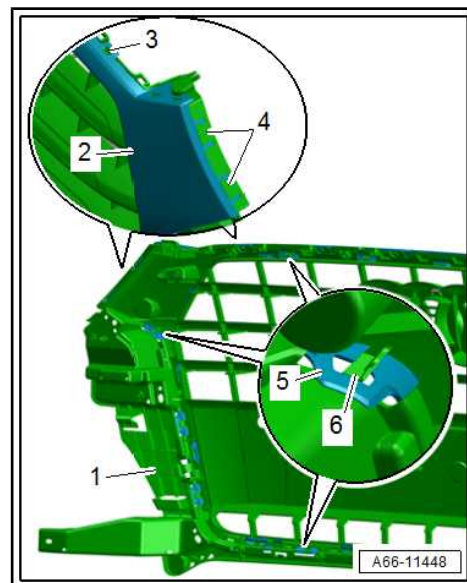
Removing

- Remove radiator grille ➔ [page 219](#) .

- Carefully release securing tab -3- and retaining catches -4-.
- Lift securing tab -6- and release retaining tab -5-.
- Detach trim frame -2- from radiator grille -1- towards front.

Installing

Install in reverse order of removal.



1.2.6 Removing and installing grille (centre, bottom section) - Audi RS Q3

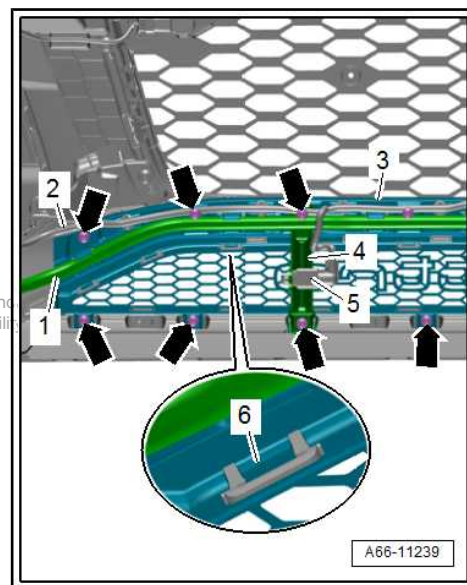
Removing

- Remove bumper cover ➔ [page 152](#) .
- Remove closure plate for bumper cover (front) ➔ [page 157](#) .
- If fitted, move fluid hose -1- clear.
- Unplug electrical connector -5- and move wiring harness -2- clear.
- Remove bolts -arrows-.
- Remove reinforcement strut -4-.
- Release fasteners -6- and detach grille (centre, bottom section) -4- towards rear.

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Install in reverse order of removal; note the following.

- Tightening torques
➔ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)
- Install bumper cover ➔ [page 152](#) .



1.2.7 Removing and installing reinforcement strut - version 1

Removing

- Remove bumper cover (front) ➔ [page 152](#) .

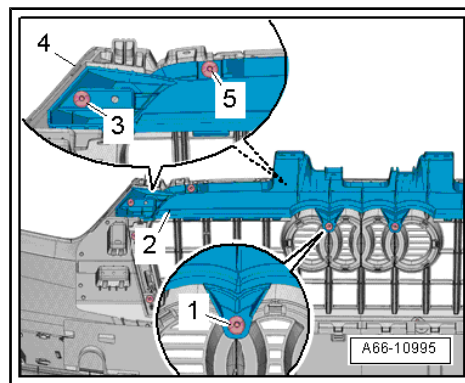
- Remove bolts -1, 3, 5-.
- Detach reinforcement strut -2- from bumper cover -4-.

Installing

- Tightening torques
⇒ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)

Install in reverse order of removal; note the following:

- Install bumper cover (front) ⇒ [page 152](#) .



1.2.8 Removing and installing reinforcement strut - version 2

Removing

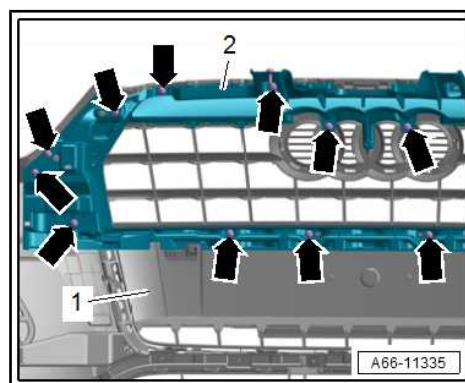
- Remove moulded foam insert ⇒ [page 161](#) .
- Remove bolts -arrows-.
- Detach reinforcement strut -2- from radiator grille -1-.

Installing

- Tightening torques
⇒ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)

Install in reverse order of removal; note the following:

- Install moulded foam insert ⇒ [page 161](#) .



1.2.9 Removing and installing number plate holder - Audi RS Q3

Removing

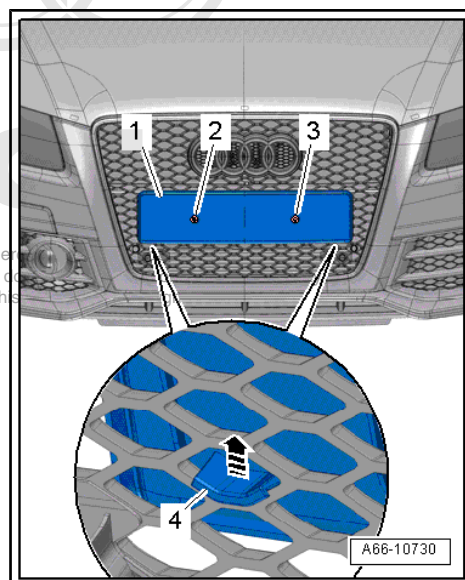
- Detach number plate.
- Remove bolts -2- and -3-.
- Disengage number plate holder -1- upwards from honeycomb grille -arrow-; this disengages retainers -4-.
- Detach number plate holder.

Installing

- Tightening torques
⇒ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)

Install in reverse order of removal; note the following:

- The number plate holder must be inserted completely into the honeycomb grille.



1.2.10 Removing and installing mounting bracket for front parking aid sender

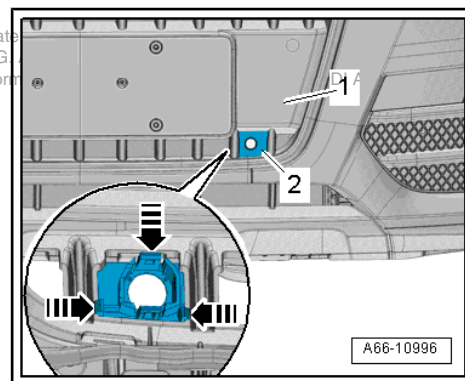
Removing

- Remove closure plate for bumper cover (front) ⇒ [page 157](#) .
- Remove front parking aid senders ⇒ Electrical system; Rep. gr. 94 ; Parking aid; Overview of parking aid .
- Release retaining hooks -arrows- and press mounting bracket -2- for parking aid sender towards front out of radiator grille -1-.

Installing

Install in reverse order of removal; note the following:

- Install front parking aid senders ⇒ Electrical system; Rep. gr. 94 ; Parking aid; Overview of parking aid .
- Install closure plate for bumper cover (front) ⇒ [page 157](#) .



1.2.11 Removing and installing mounting bracket for front parking aid sender - Audi RS Q3 up to model year 2014

Removing

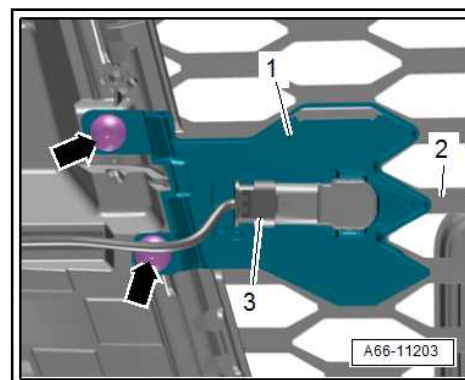
- Remove mounting for moulded foam insert ⇒ [page 162](#) .
- Unplug electrical connector -3-.
- Unscrew bolts -arrows- and detach mounting bracket -1- from radiator grille -2-.
- If mounting bracket is to be renewed, remove parking aid sender ⇒ Electrical system; Rep. gr. 94 ; Parking aid; Removing and installing front parking aid senders .

Installing

- Tightening torques
⇒ ["1.1.3 Exploded view - radiator grille, Audi RS Q3 up to model year 2014", page 216](#)

Install in reverse order of removal; note the following:

- Install mounting for moulded foam insert ⇒ [page 162](#) .



1.2.12 Removing and installing mounting bracket for front parking aid sender - Audi RS Q3 from model year 2015 onwards

Removing

- Remove grille (centre, bottom section) ⇒ [page 221](#) .

- Unplug electrical connector -3-.
- Remove bolt -1-.
- Lift mounting -2- for moulded foam insert slightly and detach mounting bracket -4- for parking aid sender downwards from radiator grille.



Note

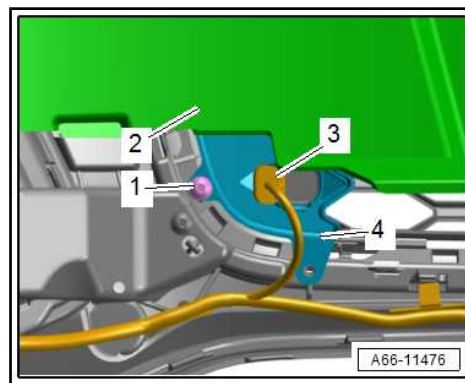
*If the mounting bracket cannot be removed as described, the mounting for the moulded foam insert must be removed
⇒ [page 163](#).*

- If mounting bracket is to be renewed, remove parking aid sender ⇒ Electrical system; Rep. gr. 94 ; Parking aid; Removing and installing front parking aid senders .

Installing

- Tightening torques
⇒ ["1.1.4 Exploded view - radiator grille, Audi RS Q3 from model year 2015 onwards", page 217](#)

Install in reverse order of removal.



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2 Spoilers

⇒ ["2.1 Exploded view - spoiler", page 225](#)

⇒ ["2.2 Removing and installing spoiler", page 225](#)

2.1 Exploded view - spoiler

1 - Spoiler (left-side)

- ☐ Removing and installing
⇒ [page 225](#)

2 - Clip

- ☐ With foam seal
- ☐ 3x
- ☐ Different versions ⇒
Electronic parts cata-
logue

3 - Bolt

- ☐ 2x
- ☐ 2.5 Nm

4 - Speed nut

- ☐ 2x

5 - Clip

- ☐ With foam seal
- ☐ 2x
- ☐ Different versions ⇒
Electronic parts cata-
logue

6 - Roof spoiler

- ☐ Removing and installing
⇒ [page 227](#)

7 - Clip

8 - Threaded pin

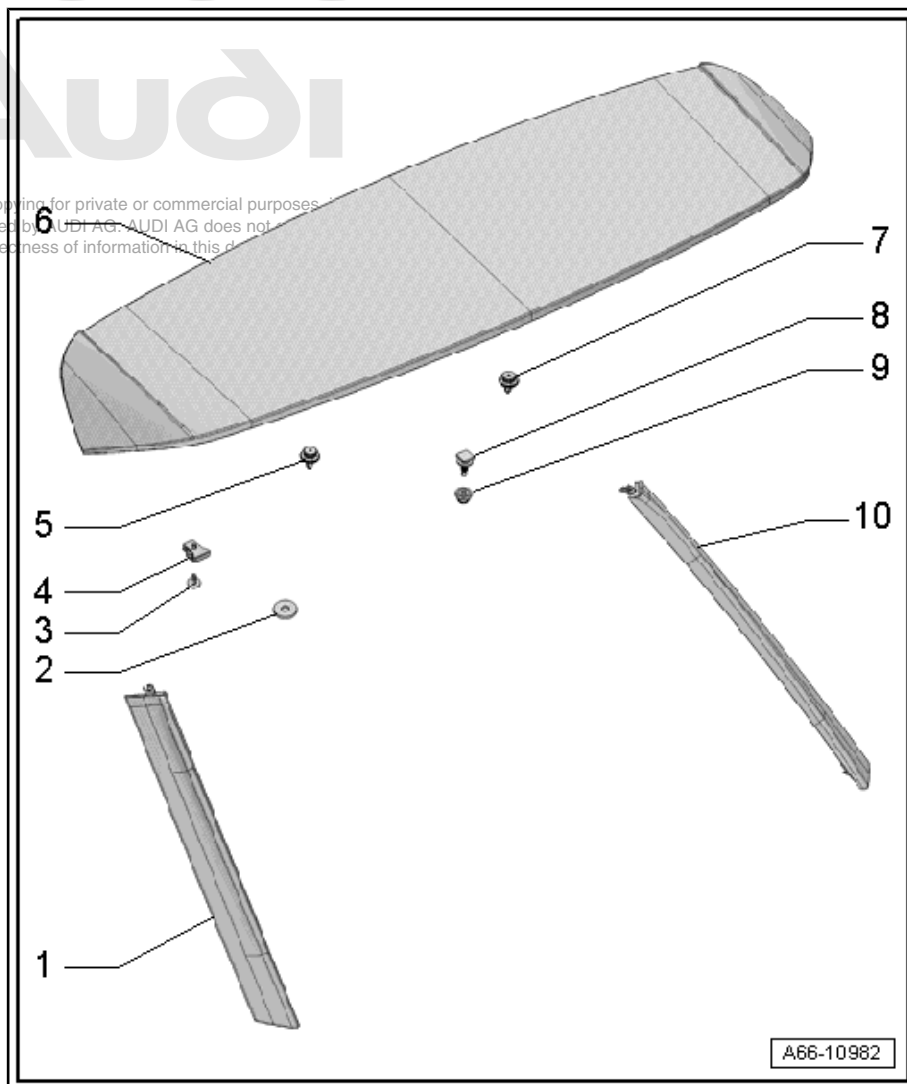
- ☐ 2x

9 - Nut

- ☐ 2x
- ☐ 4 Nm

10 - Spoiler (right-side)

- ☐ Removing and installing ⇒ [page 225](#)



2.2 Removing and installing spoiler

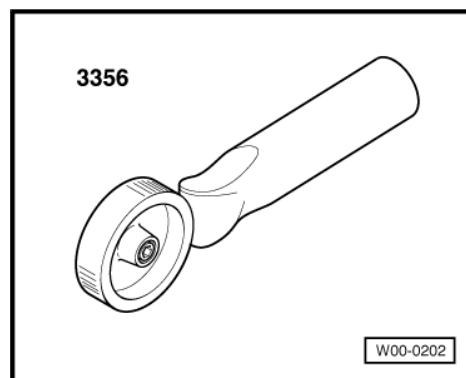
⇒ ["2.2.1 Removing and installing spoiler for rear window", page 225](#)

⇒ ["2.2.2 Removing and installing roof spoiler", page 227](#)

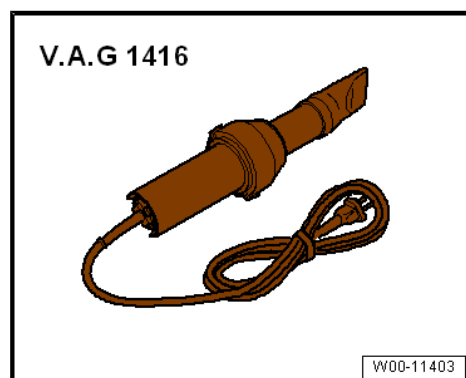
2.2.1 Removing and installing spoiler for rear window

Special tools and workshop equipment required

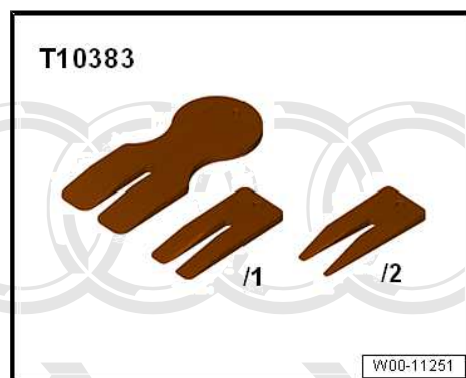
◆ Roller - 3356-



◆ Hot air blower - V.A.G 1416-



◆ Wedges - T10383-



◆ Cleaning solution - D 009 401 04-

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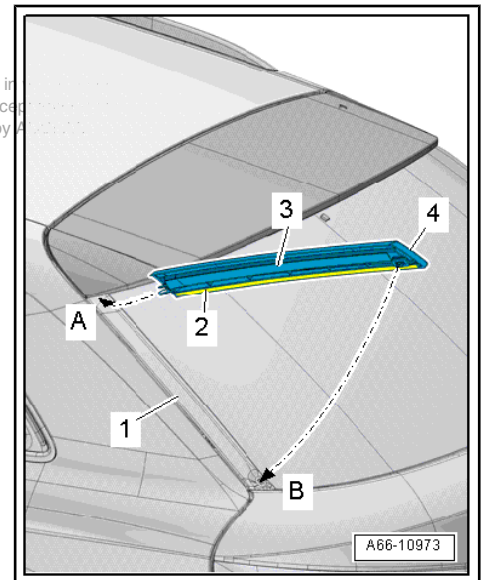
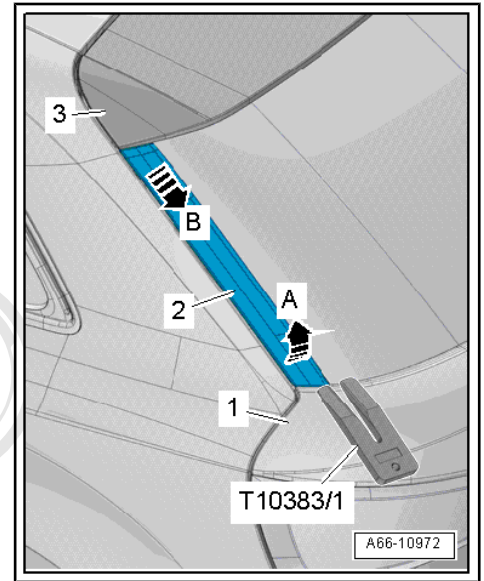
Removing

- Carefully heat spoiler -2- with hot air blower - V.A.G 1416- .
- Prise spoiler off rear lid -1- using removal wedge - 3409-
-arrow A- and pull downwards out of roof spoiler -3-
-arrow B-.
- Detach spoiler.

Installing

Install in reverse order of removal; note the following:

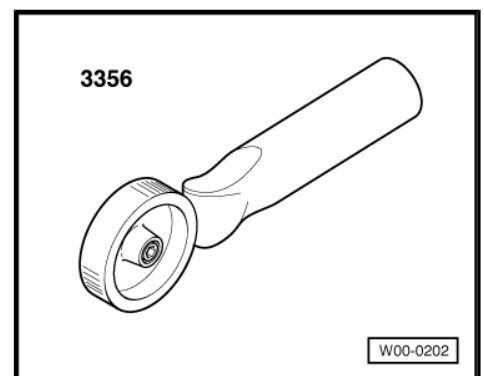
- Check foam seal -2- for damage.
- Clean bonding surface on spoiler with cleaning solution - D
009 401 04- .
- Peel protective film off adhesive strip -3-.
- Position spoiler -4- on roof spoiler -arrow A- and press it onto
rear lid -1- -arrow B- so that it engages audibly.
- Press spoiler on over entire length using roller -3356- .



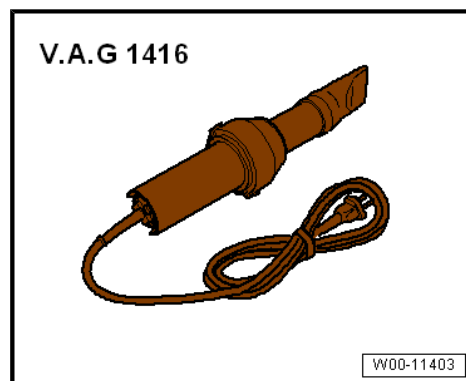
2.2.2 Removing and installing roof spoiler

Special tools and workshop equipment required

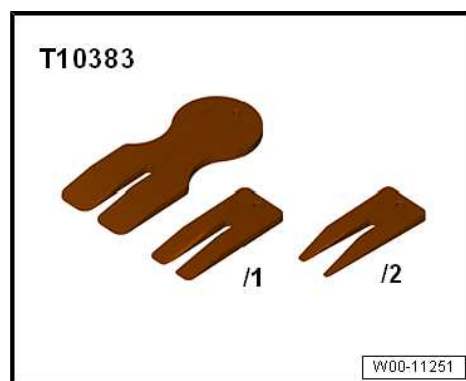
- ◆ Roller - 3356-



◆ Hot air blower - V.A.G 1416-



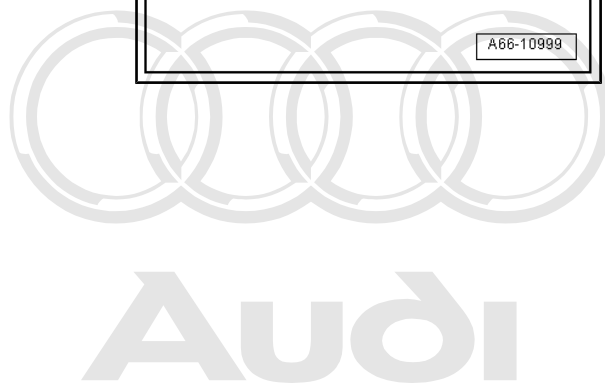
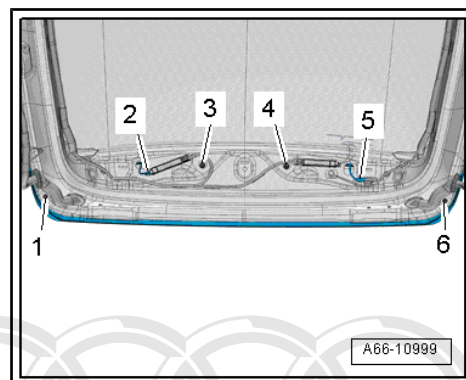
◆ Wedges - T10383-



◆ Cleaning solution - D 009 401 04-

Removing

- Remove rear lid trim (top) ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing rear lid trim (top) .
- Unplug electrical connectors -2 and 5-.
- Unscrew nuts -3 and 4- and bolts -1 and 6-.



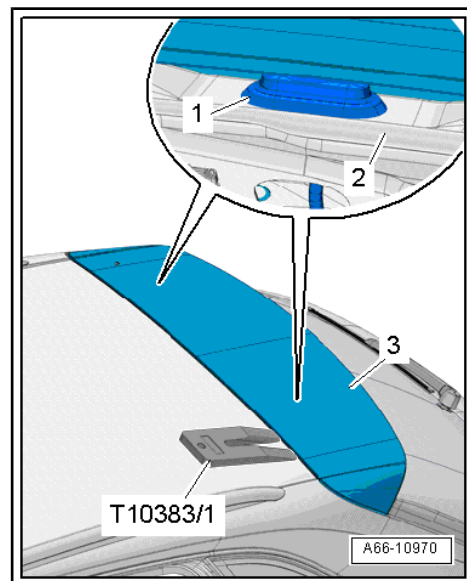
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- Carefully heat front section of roof spoiler -3- with hot air blower - V.A.G 1416- .
- Prise roof spoiler off rear lid -2- using removal wedge - 3409- .
- Lever out grommets -1- and guide wiring harness out of opening in body.
- Detach roof spoiler.

Installing

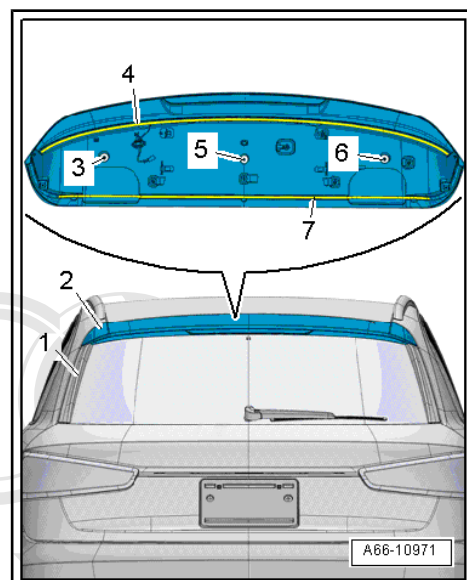
- Tightening torques ➔ [“2.1 Exploded view - spoiler”, page 225](#)

Install in reverse order of removal; note the following:



Note

- ◆ Check foam seal -4- for damage.
- ◆ Make sure that foam seals -3, 5 and 6- are seated on locating pins.
- Clean bonding surface on roof spoiler with cleaning solution - D 009 401 04- .
- Peel protective film off adhesive strip -7-.
- Position roof spoiler -2- on rear lid -1- and press it on so that it engages audibly.
- Press roof spoiler on over entire length using roller -3356- .
- Install rear lid trim (top) ➔ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Removing and installing rear lid trim (top) .



2.2.3 Exploded view - roof spoiler, Audi RS Q3

Note

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- ◆ The procedures for removing and installing are the same as for the standard roof spoiler ➔ [page 227](#) .
- ◆ Before the outer section of the roof spoiler on the Audi RS Q3 can be installed, it must be painted and then assembled.

1 - Inner section of roof spoiler

2 - Pop rivet

- 3x on each side

3 - Outer section of roof spoiler

- Must be painted before assembly
- After painting, rivet covers (left and right) to outer section.
- Clean surfaces for adhesive strips on inside of outer section with cleaning solution - D 009 401 04- .
- Slide onto bottom section together with covers.

4 - Cover (right-side)

5 - Foam seal

- Renew after removing spoiler

6 - Clip

7 - Centring pin

8 - Foam seal

- Renew after removing spoiler

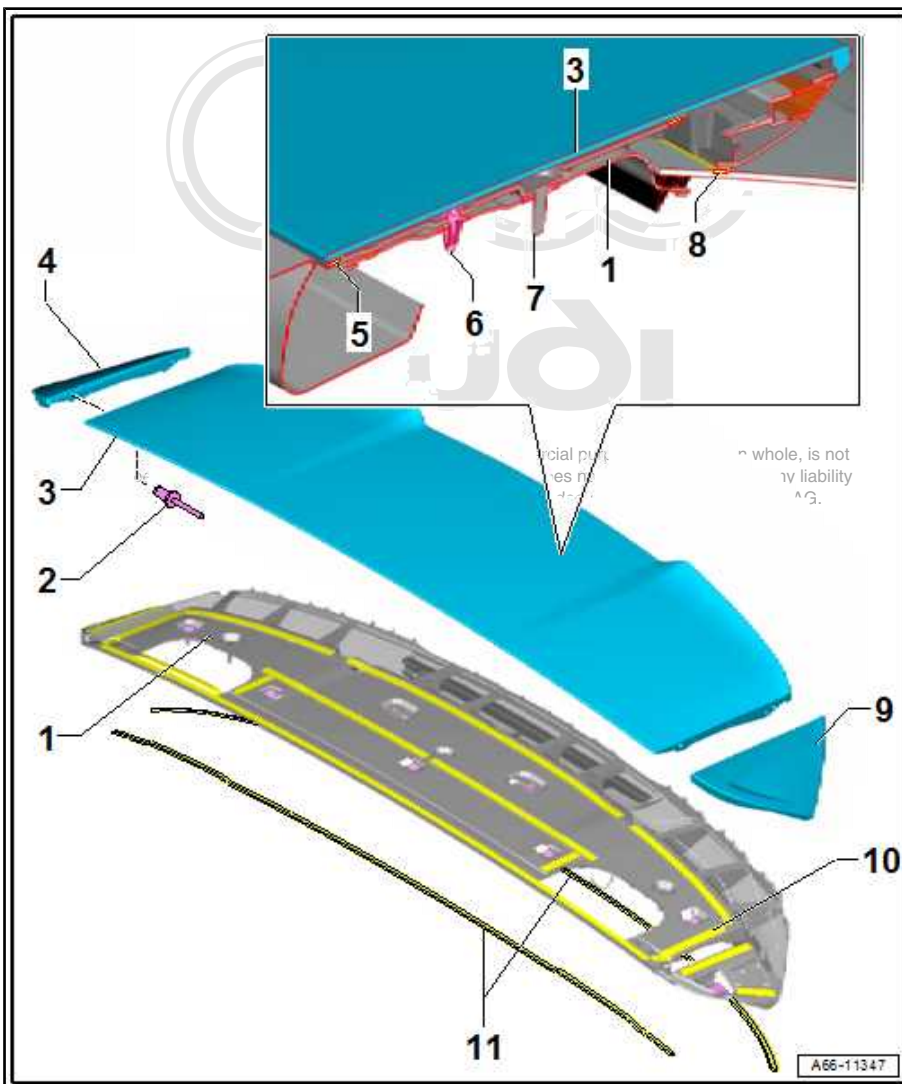
9 - Cover (left-side)

10 - Adhesive strips

- Peel off protective films (via removal aids) one after the other only after assembly of outer and inner sections ⇒ [page 231](#) .

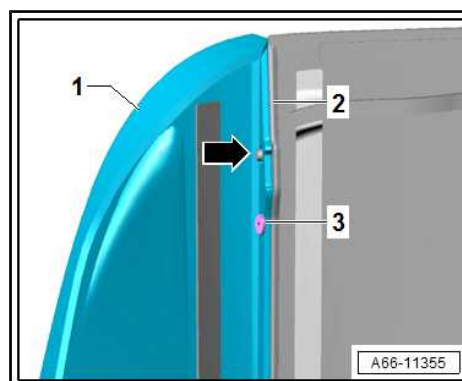
11 - Foam seal

- Renew after removing spoiler
- Bond onto markings in inner section ⇒ [page 232](#) .

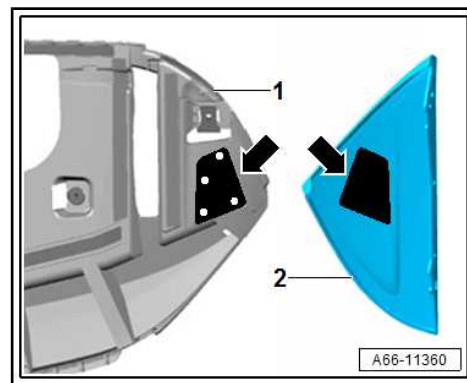


Securing covers (left and right)

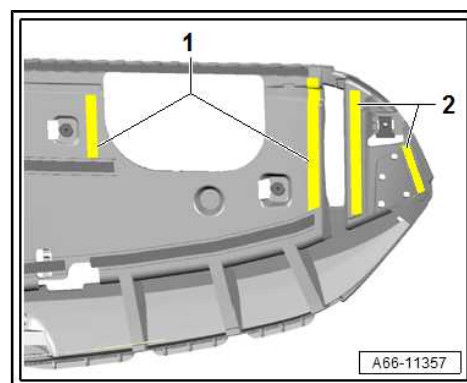
- Fit covers -1- (both sides) onto outer section of roof spoiler
- 2- via centring holes -arrow- and secure using pop rivets -3-.



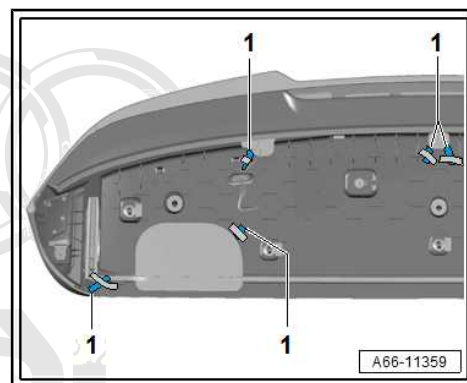
- Clean marked bonding surfaces -arrows- on cover -2- and on inner section of roof spoiler -1- with plastic cleaner - D 195 850 A1- and prime with bonding agent for plastic - D 822 150 A1- (from plastic repair kit - D 007 700-).



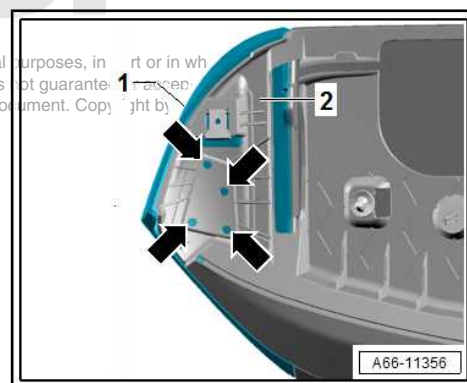
- Peel protective film off adhesive strips -1- and -2- only.
- Do NOT remove protective film from other adhesive strips yet.
- On opposite side of adhesive strips, clean bonding surfaces on outer section with cleaning solution - D 009 401 04- .
- Align outer section centrally and slide onto inner section from rear to front.
- Press on covers on both sides.



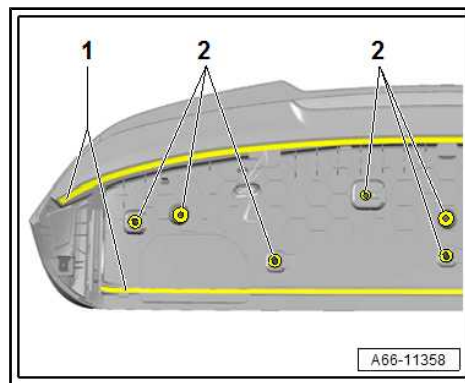
- Remove locating elements from removal aids -1-.
- Peel off protective films one after the other from between adhesive strips and outer sections (via removal aids).
- Gradually press upper section onto adhesive strips firmly by hand over entire width of spoiler.



- Insert 2-pack plastic adhesive - D 180 KU2 A1- through holes -arrows- and bond outer section onto inner section.



- Bond foam seals onto bottom of spoiler, as shown.
- The further installation steps are the same as for the standard spoiler ➔ [page 225](#) .



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3 Strips / trim panels / extensions

- ⇒ [“3.1 Exploded view - trim strip and covers”, page 233](#)
- ⇒ [“3.2 Exploded view - sill panel trim”, page 235](#)
- ⇒ [“3.3 Exploded view - trim panel for B-pillar”, page 236](#)
- ⇒ [“3.4 Exploded view - trim panel for C-pillar”, page 237](#)
- ⇒ [“3.5 Exploded view - wheel arch covers”, page 237](#)
- ⇒ [“3.6 Exploded view - heat shield”, page 239](#)
- ⇒ [“3.7 Removing and installing trim strip”, page 240](#)
- ⇒ [“3.8 Removing and installing sill panel trim”, page 241](#)
- ⇒ [“3.9 Removing and installing side member trim”, page 242](#)
- ⇒ [“3.10 Removing and installing water deflector strip”, page 242](#)
- ⇒ [“3.11 Removing and installing trim panel for B-pillar on door”, page 243](#)
- ⇒ [“3.12 Removing and installing trim panel for C-pillar on door”, page 244](#)
- ⇒ [“3.13 Removing and installing wheel arch covers”, page 245](#)
- ⇒ [“3.14 Removing and installing trim cover for door”, page 249](#)
- ⇒ [“3.15 Removing and installing heat shield for floor”, page 251](#)

3.1 Exploded view - trim strip and covers

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1 - Trim cover for door (front)

- Removing and installing
⇒ [page 249](#)

2 - Retaining clip

- 5x

3 - Grommet

- For retaining clip

4 - Front door

5 - Side window

6 - Trim strip

- Removing and installing
⇒ [page 240](#)

7 - Rear door

8 - Grommet

- For retaining clip

9 - Rubber buffer

- 3x

10 - Trim cover for rear door

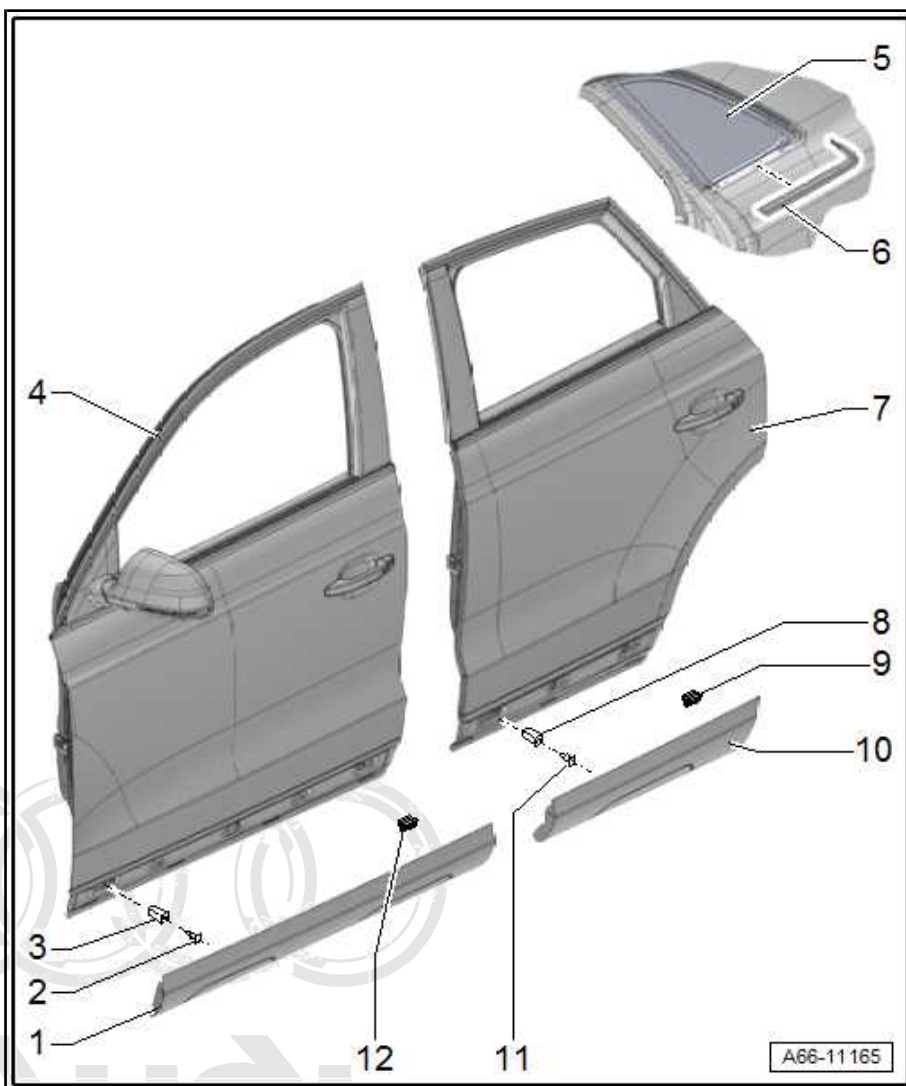
- Removing and installing
⇒ [page 249](#)

11 - Retaining clip

- 7x

12 - Rubber buffer

- 4x



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3.2 Exploded view - sill panel trim

1 - Sill panel trim (front)

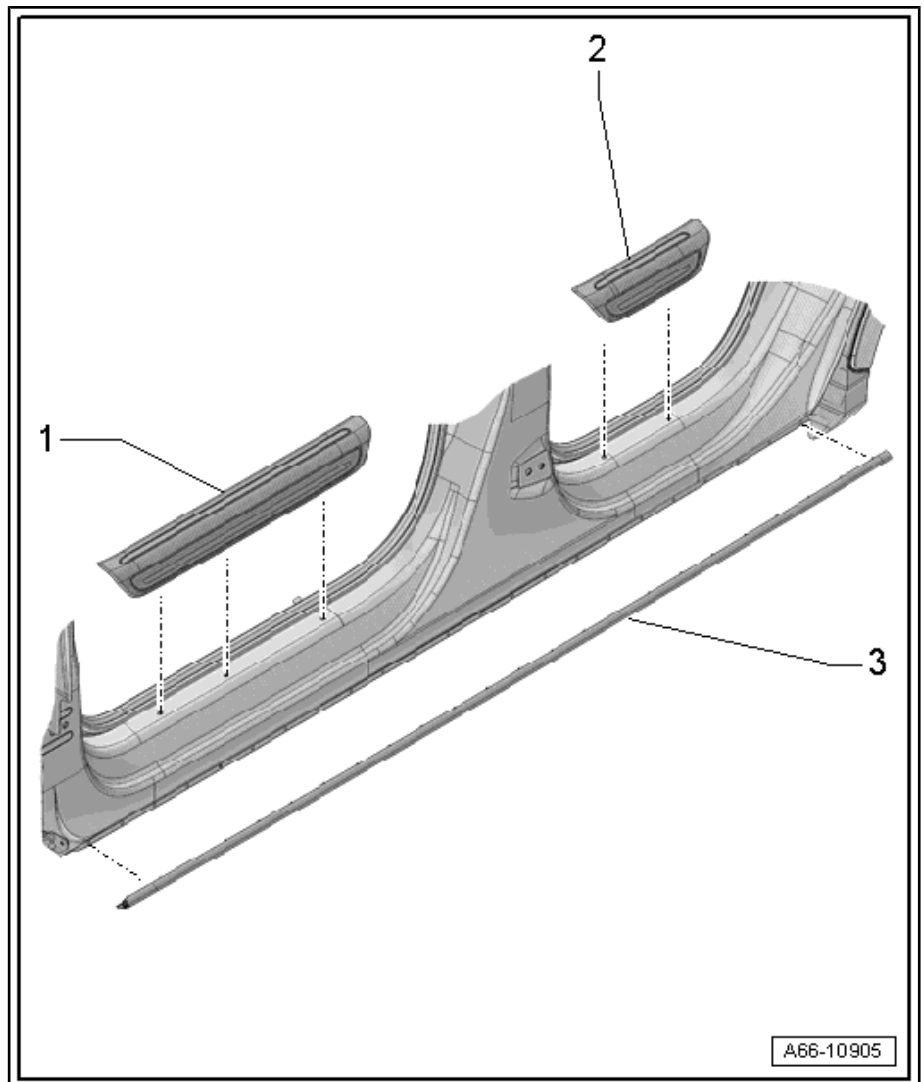
- ❑ Different versions ⇒
Electronic parts cata-
logue
- ❑ Removing and installing
⇒ [page 241](#)

2 - Sill panel trim (rear)

- ❑ Different versions ⇒
Electronic parts cata-
logue
- ❑ Removing and installing
⇒ [page 241](#)

3 - Side member trim

- ❑ Removing and installing
⇒ [page 242](#)



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3.3 Exploded view - trim panel for B-pillar

1 - Front door

2 - Sealing element

- ❑ For trim panel for B-pillar (front door)

3 - Clip nut

- ❑ 3x

4 - Trim panel for B-pillar (front door)

- ❑ Removing and installing
⇒ [page 243](#)

5 - Bolt

- ❑ 3x
- ❑ 2.5 Nm

6 - Rear door

7 - Sealing element

- ❑ For trim panel for B-pillar (rear door)

8 - Clip nut

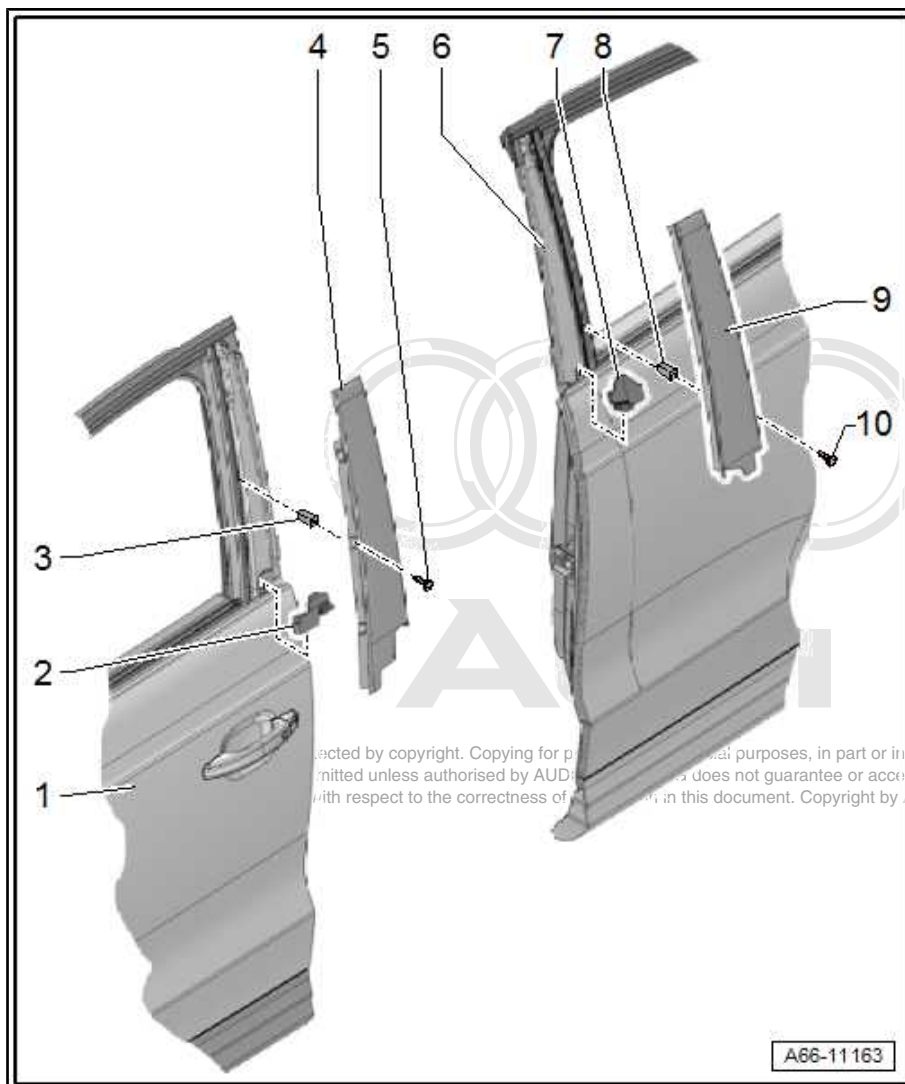
- ❑ 3x

9 - Trim panel for B-pillar (rear door)

- ❑ Removing and installing
⇒ [page 244](#)

10 - Bolt

- ❑ 3x
- ❑ 2.5 Nm



A66-11163

3.4 Exploded view - trim panel for C-pillar

1 - Rear door

2 - Bolt

□ 2.5 Nm

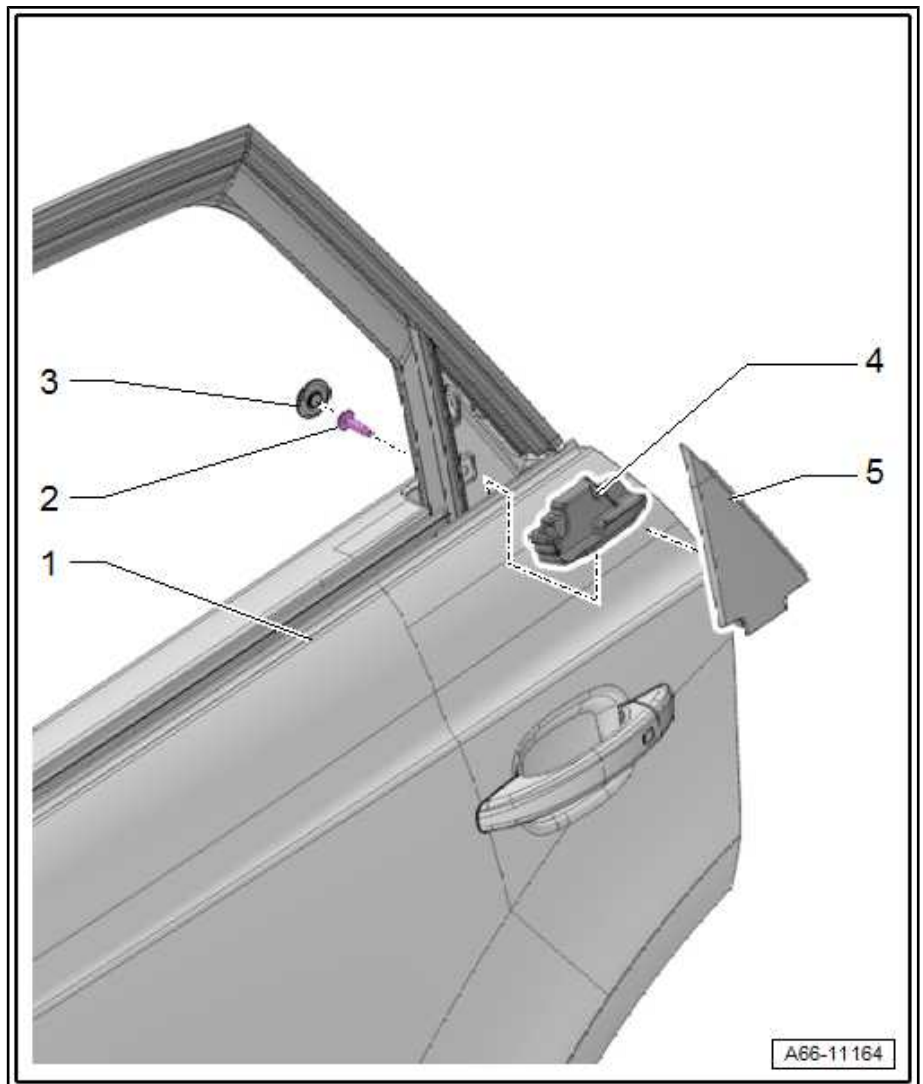
3 - Grommet

4 - Sealing element

□ For trim panel for C-pillar on door

5 - Trim panel for C-pillar on door

□ Removing and installing
⇒ [page 244](#)



3.5 Exploded view - wheel arch covers



Note

- ◆ *Renew wheel arch covers which have not been painted.*
- ◆ *Wheel arch covers which have been painted can be re-installed after the appropriate preparations ⇒ [page 247](#) have been performed.*

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1 - Wheel arch cover (front)



Caution

Protective film must remain on double-sided adhesive strip in vicinity of wing panel.

Wheel arch cover is only bonded onto bumper cover.

- ☐ Removing and installing ⇒ [page 245](#)

2 - Retaining clip

- ☐ 9x

3 - Grommet

- ☐ For retaining clip

4 - Wing panel

5 - Retaining clip

- ☐ 3x

6 - Grommet

- ☐ For retaining clip

7 - Side panel (rear)

8 - Wheel arch cover (rear)

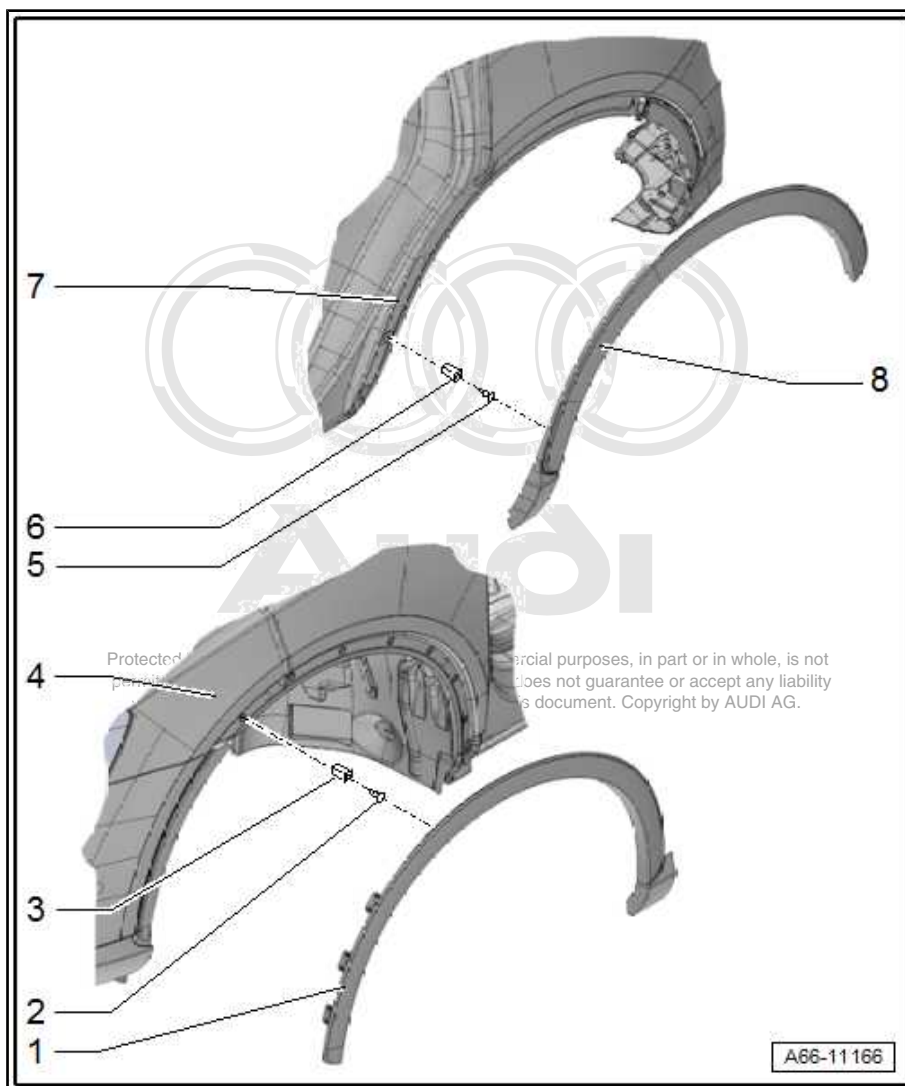


Caution

Pull protective film off double-sided adhesive strip in area of side panel.

Wheel arch cover is only bonded onto bumper cover.

- ☐ Removing and installing ⇒ [page 248](#)



3.6 Exploded view - heat shield

1 - Heat shield

- ☐ For propshaft
- ☐ Removing and installing
⇒ [page 251](#)

2 - Heat shield

- ☐ For tunnel (centre)
- ☐ Removing and installing
⇒ [page 251](#)

3 - Heat shield

- ☐ For rear silencer
- ☐ Version 1
- ☐ Tightening torques for
version 2 ⇒ [page 239](#)
- ☐ Tightening torques for
RS Q3 ⇒ [page 240](#)
- ☐ Removing and installing
⇒ [page 251](#)

4 - Securing clip

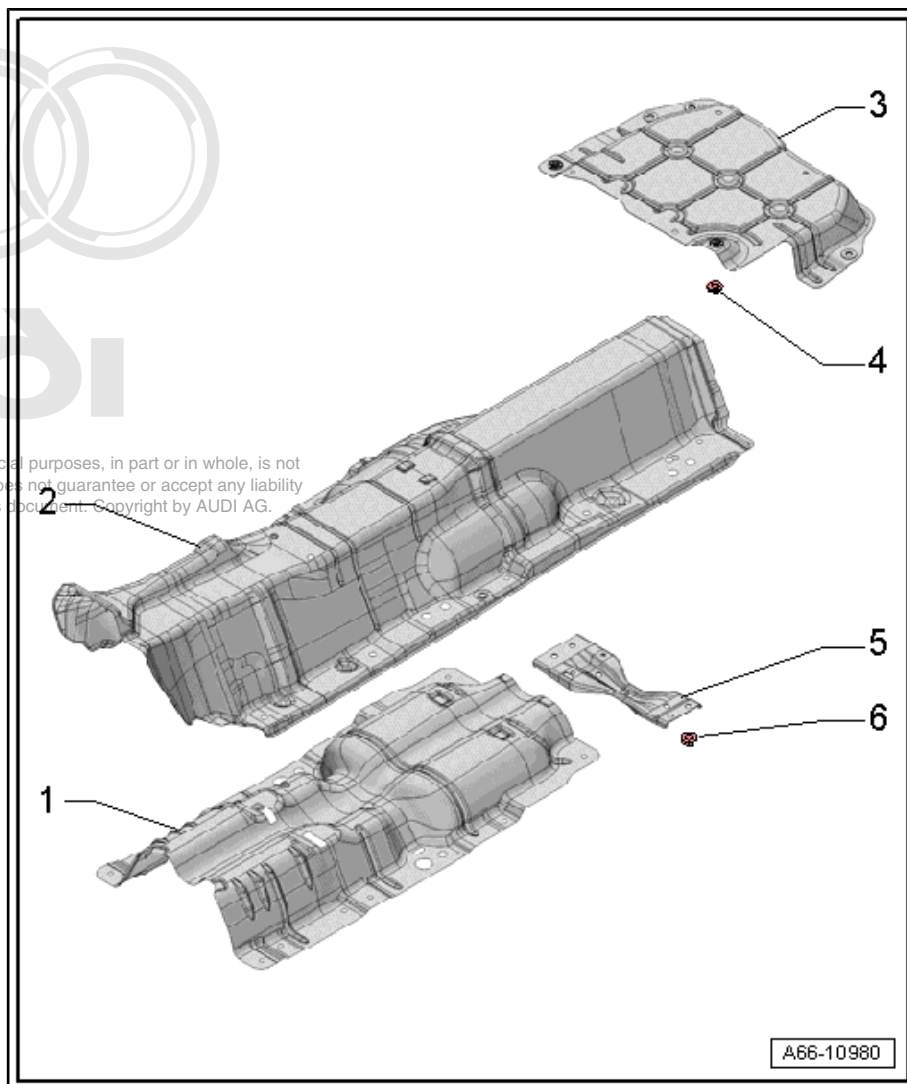
- ☐ 2x

5 - Cross piece

- ☐ Removing and installing
⇒ [page 261](#)

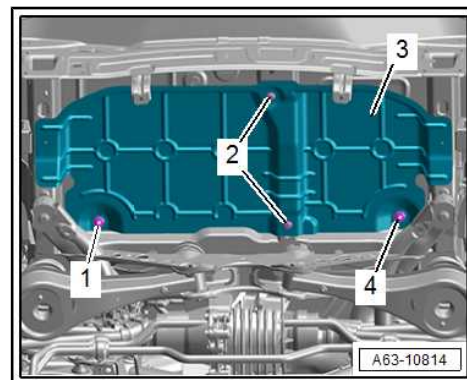
6 - Nut

- ☐ 4x
- ☐ 23 Nm



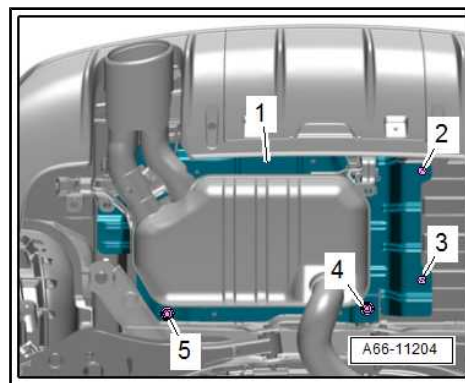
Tightening torques for heat shield for rear silencer, version 2

- Tighten bolts -2- to 2 Nm.



Tightening torques for heat shield for rear silencer, Audi RS Q3

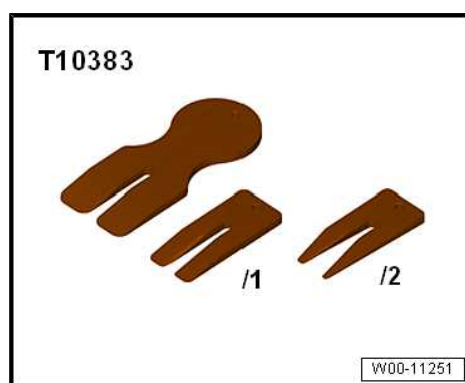
- Tighten bolts -2 and 3- to 2 Nm.



3.7 Removing and installing trim strip

Special tools and workshop equipment required

- ◆ Wedges - T10383-



Removing



Note

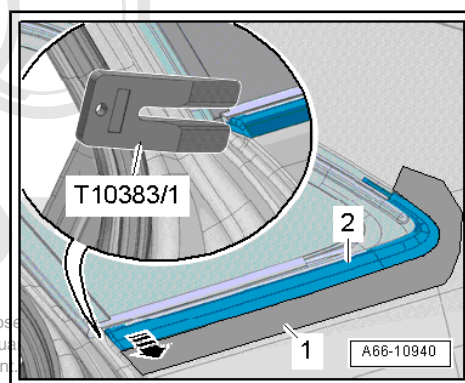
Take care not to twist or bend trim strip for side window.

- Remove roof trim strip ➔ [page 265](#) .
- Mask area around trim strip for side window -2- with adhesive tape -1- as shown in illustration to avoid damaging paintwork.
- Press trim strip for side window off clips using wedge - T10383/1- .
- Detach trim strip for side window.

Installing

Install in reverse order of removal; note the following:

- Coat rubber strips and trim strip of side window with tyre assembly paste.

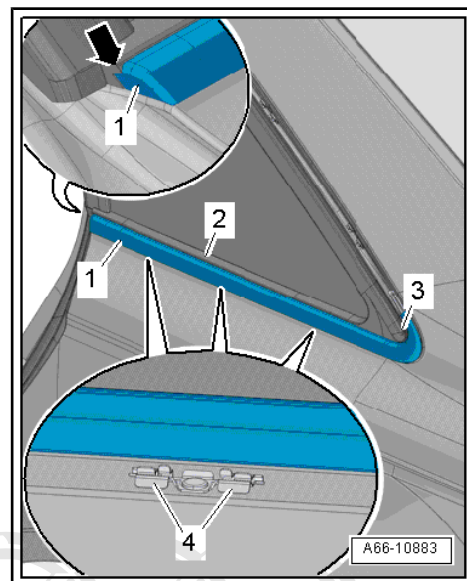


Caution

Risk of damage to rubber strip.

- ◆ If the rubber strip is not behind the trim strip, the rubber strip will be damaged when it is guided out subsequently.
- ◆ The rubber strip must be renewed if it is damaged (Renewing side window ➔ [page 206](#)).

- Position trim strip -1- for side window at C-pillar on corner -arrow- of rubber strip on body, as shown in illustration.
- Rubber strip -2- must be above trim strip.
- Clips -4- must be parallel to trim strip for side window.
- Press trim strip for side window onto clips so they engage audibly.
- Rubber strip must be above trim strip for side window.
- In bend of trim strip for side window, carefully fit rubber strip -3- above trim strip using wedge -T10383/1- .
- Install roof trim strip ⇒ [page 265](#) .



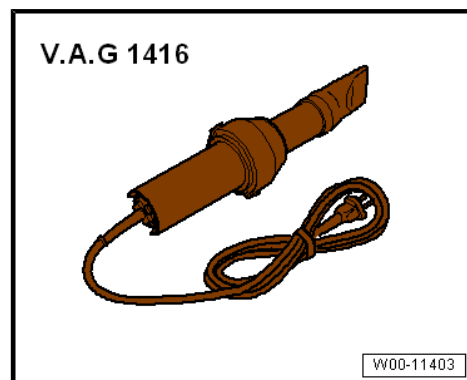
3.8 Removing and installing sill panel trim

Special tools and workshop equipment required

- ◆ Removal wedge - 3409-



- ◆ Hot air blower - V.A.G 1416-



- ◆ Cleaning solution - D 009 401 04-

Removing

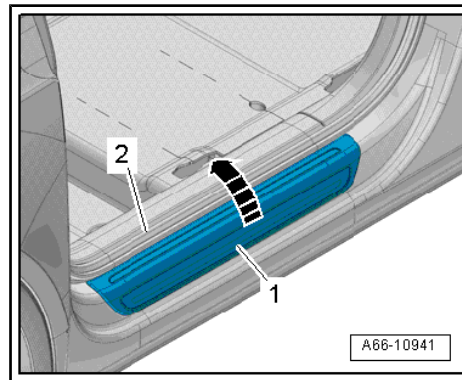
- Carefully heat sill panel trim -1- with hot air blower - V.A.G 1416- .

- Use removal wedge - 3409- to carefully prise sill panel trim off side member -2- -arrow-.

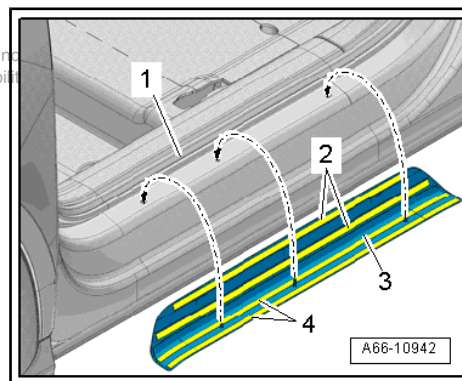
Installing

Install in reverse order of removal; note the following:

- Clean bonding surface on body with cleaning solution - D 009 401 04- .



- Peel protective film off adhesive strips -2 and 4-.
- Fit sill panel trim -3- on side member -1-, making sure that locating lugs are pressed into mountings -arrows-.
- Press sill panel trim onto side member over entire length.
- Leave vehicle standing at room temperature for at least 2 hours.



3.9 Removing and installing side member trim

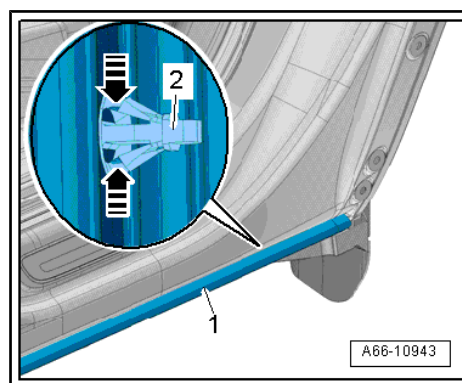
Removing

- Open doors.
- Unfasten wheel arch cover (rear) in area of side member trim ⇒ [page 248](#) .
- Release retaining tabs -arrows- on clip -2- with a small screwdriver and detach side member trim -1-.

Installing

Install in reverse order of removal; note the following:

- Clean contact surface in vicinity of side member trim. Contact surfaces must be free from wax and grease.
- Position side member trim on body and press it on until it engages audibly.
- Install wheel arch cover (rear) ⇒ [page 248](#) .



3.10 Removing and installing water deflector strip

1 - Pop rivet

- ☐ 5x
- ☐ Start from top when riveting guide rail.

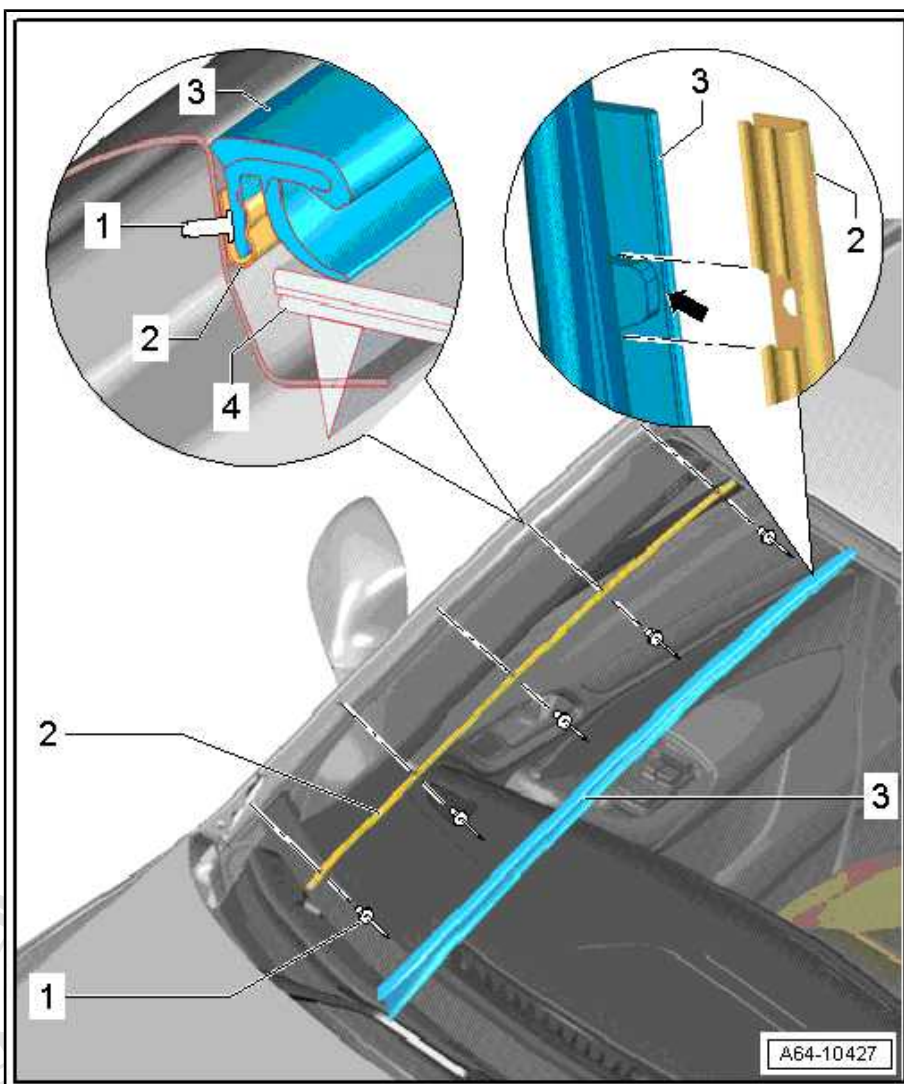
2 - Fastening strip

- ☐ To remove, drill off rivet heads and knock out rivet stems.

3 - Water deflector strip

- ☐ Starting at top and working down, press water deflector strip all the way into guide rail from locating lug -arrow- as far as stop.
- ☐ Ensure flush fit at transition to A-pillar.

4 - Windscreen



3.11 Removing and installing trim panel for B-pillar on door

⇒ ["3.11.1 Removing and installing trim panel for B-pillar \(front door\)", page 243](#)

⇒ ["3.11.2 Removing and installing trim panel for B-pillar \(rear door\)", page 244](#)

3.11.1 Removing and installing trim panel for B-pillar (front door)

Removing

- Lower door window.
- Remove window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .

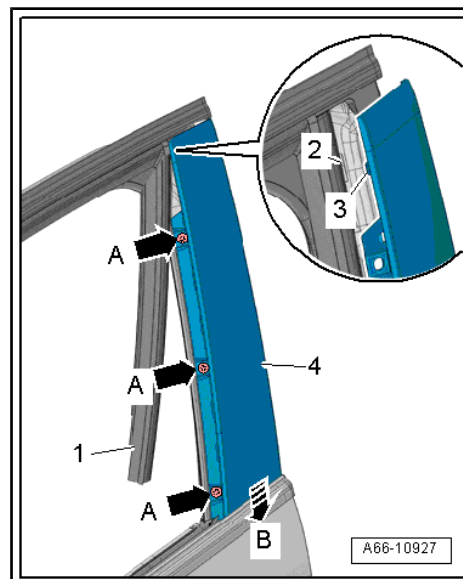
- Pull seal -1- out of window guide (rear) in vicinity of trim panel for B-pillar.
- Remove bolts -arrows A-.
- Slide trim panel for B-pillar -4- downwards -arrow B-; lug -3- will be disengaged from body cut-out -2-.
- Press trim panel for B-pillar towards outside until surrounding section of trim panel for B-pillar is disengaged.
- Pull trim panel for B-pillar upwards out of door opening.

Installing

- Tightening torque
⇒ [“3.3 Exploded view - trim panel for B-pillar”, page 236](#)

Install in reverse order of removal; note the following:

- Install seal for window guide ⇒ [page 90](#) .
- Install window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



3.11.2 Removing and installing trim panel for B-pillar (rear door)

Removing

- Remove rear door window ⇒ [page 211](#) .
- Pull seal -4- out of window guide (front) in vicinity of trim panel for B-pillar.
- Remove bolts -arrows A-.
- Slide trim panel for B-pillar -1- downwards -arrow B-; lug -2- will be disengaged from body cut-out -3-.
- Press trim panel for B-pillar towards outside until surrounding section of trim panel for B-pillar is disengaged.
- Pull trim panel for B-pillar upwards out of door opening.

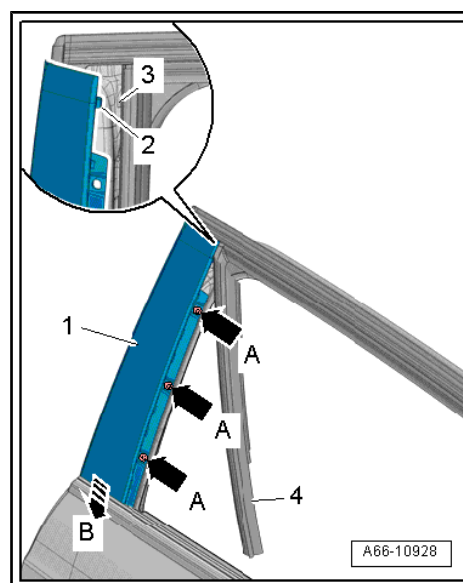
Installing

- Tightening torque
⇒ [“3.3 Exploded view - trim panel for B-pillar”, page 236](#)

Install in reverse order of removal; note the following:

- Install rear door window ⇒ [page 211](#) .

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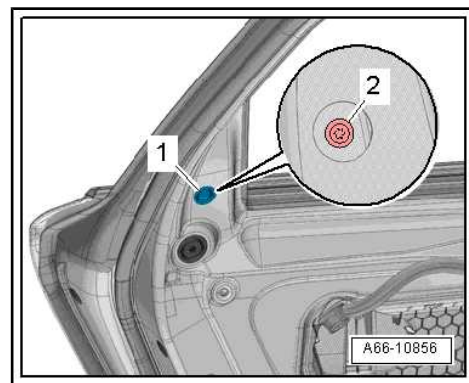


3.12 Removing and installing trim panel for C-pillar on door

Removing

- Move door window to “open” position.
- Remove window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .

- Prise out grommet -1-.
- Remove bolt -2-.



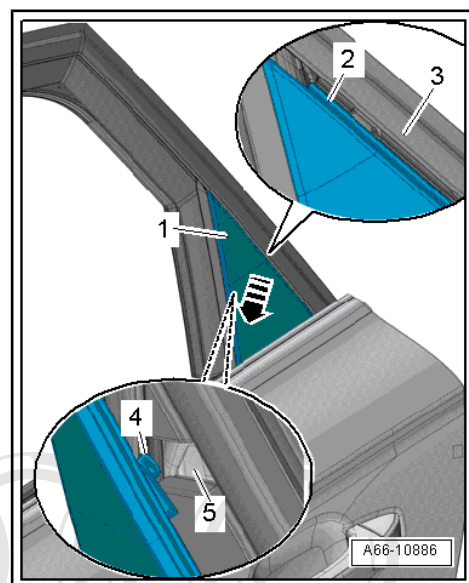
- Slide trim panel for C-pillar on door -item 1- downwards -arrow-; lug -2- will be disengaged from window seal -3- and retaining pin -4- will be disengaged from body cut-out -5-.
- Pull trim panel for C-pillar on door upwards out of door opening.

Installing

- Tightening torque
⇒ ["3.4 Exploded view - trim panel for C-pillar", page 237](#)

Install in reverse order of removal; note the following:

- Install window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



3.13 Removing and installing wheel arch covers



Note

- ◆ *Renew wheel arch covers which have not been painted.*
- ◆ *Wheel arch covers which have been painted can be re-installed after the appropriate preparations ⇒ [page 247](#) have been performed.*

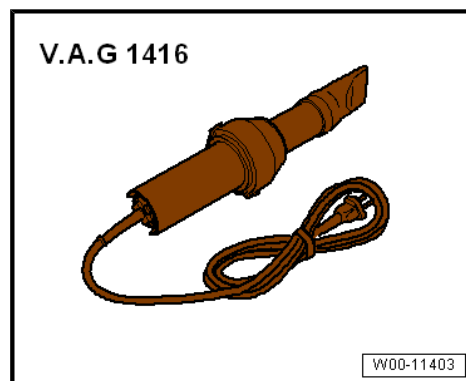
⇒ ["3.13.1 Removing and installing wheel arch cover \(front\)", page 245](#)

⇒ ["3.13.2 Removing and installing wheel arch cover \(rear\)", page 248](#)

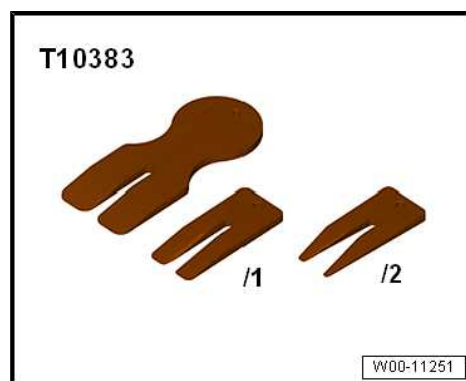
3.13.1 Removing and installing wheel arch cover (front)

Special tools and workshop equipment required

◆ Hot air blower - V.A.G 1416-



◆ Wedges - T10383-



◆ Cleaning solution - D 009 401 04-

Removing

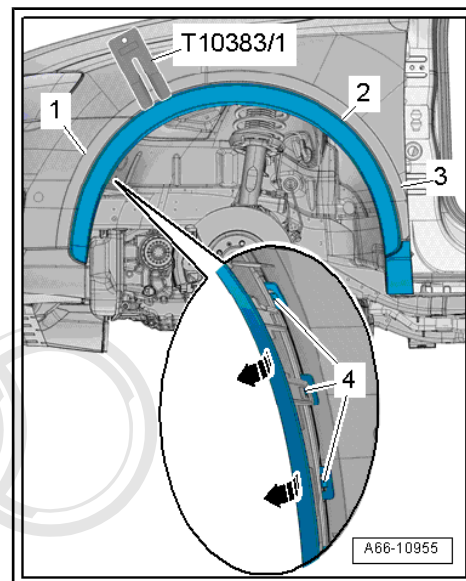
- Remove wheel spoiler (front) ⇒ [page 275](#) .
- Unfasten wheel housing liner (front) in area of bumper cover and wing panel ⇒ [page 275](#) .
- Attach 8 mm socket to grommets on wheel arch trim from inside at wing panel and release clips behind.
- Gradually pull wheel arch trim carefully out of released clips and off wing panel from outside.

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- Release and disengage retaining tabs at bumper cover -4- -arrows- on inside using a small screwdriver and disengage.
- Pull wheel arch cover -2- slightly off bumper cover -1-.
- If necessary, carefully heat wheel arch cover with hot air blower - V.A.G 1416- and lever cover off bumper cover using wedge -T10383/1- .

Preparations for re-installing painted covers

- Cover removed.
- Completely remove any remaining adhesive from cover.
- Clean cover with cleaning solution - D 009 401 04- , prime it with plastic primer - D 366 PR A1- and allow to flash off.
- Apply double-sided adhesive tape (⇒ Electronic parts catalogue) to same area of cover as before.
- Clean bonding area on painted surface with cleaning solution - D 009 401 04- , apply primer - D 355 205 A2- and wipe after 1 minute with a clean paper cloth.
- Install cover.



Installing



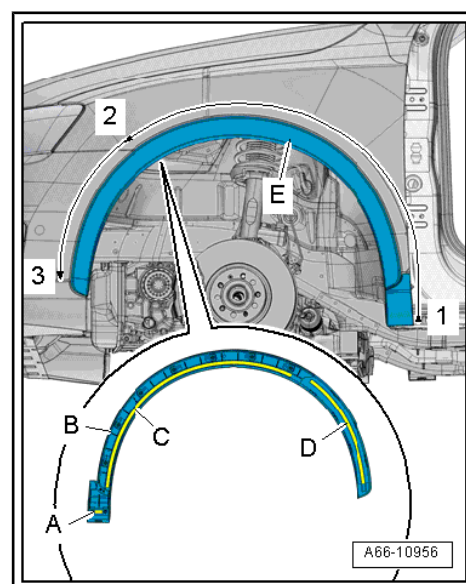
Caution

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- **Only peel protective film off double-sided adhesive strip and bond on adhesive strip in vicinity of bumper cover.**
- **Protective film -C- must remain on double-sided adhesive strip at wheel arch cover in vicinity of wing panel.**

Install in reverse order of removal; note the following:

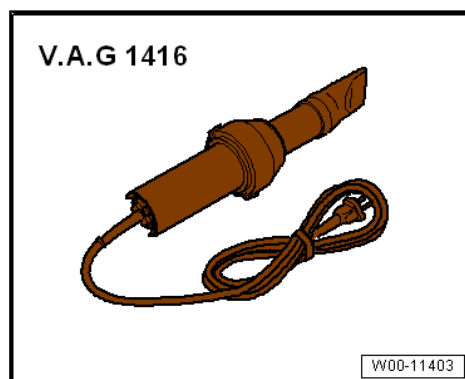
- Clean bonding surface on bumper cover with cleaning solution - D 009 401 04- .
- Prime bonding area on bumper cover with primer - D 355 205 A2- and wipe after 1 minute with a clean paper cloth.
- Check seal -B- for damage.
- Peel protective film off adhesive strip -D-.
- Fit sections of wheel arch cover -E- in the sequence -1 ... 3-, as shown.
- 1. Apply wheel arch cover at bottom at corner of wing panel.
- 2. Press wheel arch cover onto wing panel so that it engages audibly.
- 3. Position wheel arch cover on bumper cover and press it on so that it engages audibly.
- Install wheel housing liner (front) ⇒ [page 275](#) .
- Install wheel spoiler (front) ⇒ [page 275](#) .



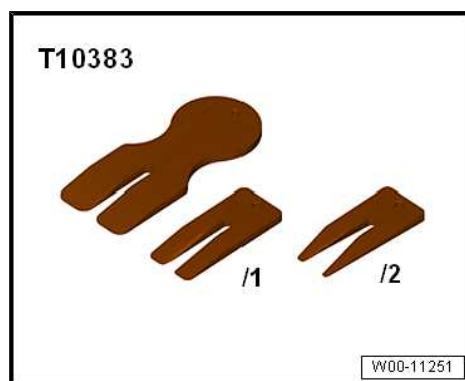
3.13.2 Removing and installing wheel arch cover (rear)

Special tools and workshop equipment required

- ♦ Hot air blower - V.A.G 1416-



- ♦ Wedges - T10383-



- ♦ Cleaning solution - D 009 401 04-

Removing

- Unfasten wheel housing liner (rear) in area of side panel and bumper cover ➔ [page 276](#) .
- Starting at bottom of side panel at C-pillar, carefully unfasten wheel arch trim towards rear gradually using wedge - T10383- .



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- Insert a small screwdriver -4- in openings -arrows- and release retaining tabs on inside, and at the same time pull wheel arch cover -1- off bumper cover -3- slightly from outside.
- Carefully heat wheel arch cover with hot air blower - V.A.G 1416- and pull cover off bumper cover.

Installing

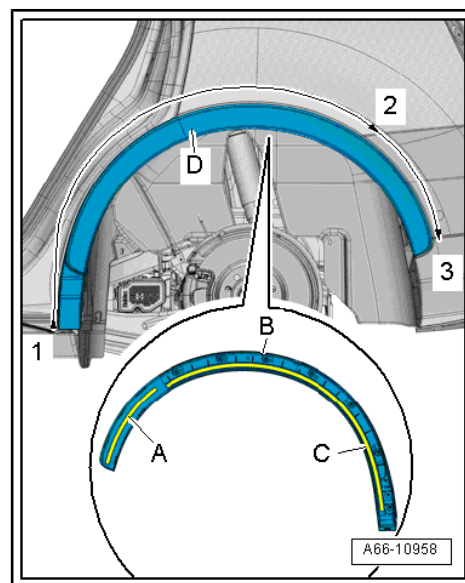
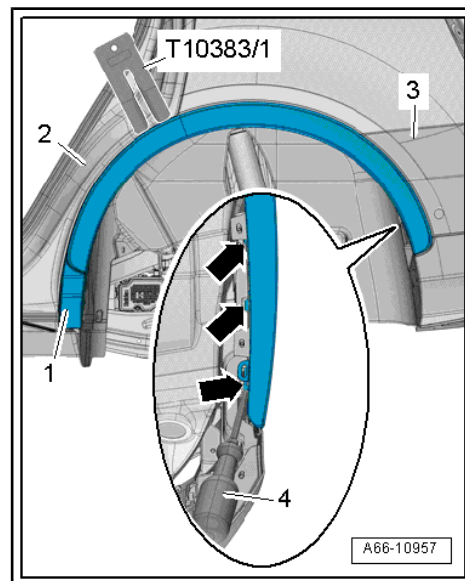


Caution

- *Only peel protective film off double-sided adhesive strip and bond on adhesive strip in vicinity of bumper cover.*
- *Protective film -C- must remain on double-sided adhesive strip at wheel arch cover in vicinity of side panel.*

Install in reverse order of removal; note the following:

- Clean bonding surface on bumper cover with cleaning solution - D 009 401 04- .
- Prime bonding area on bumper cover with primer - D 355 205 A2- and wipe after 1 minute with a clean paper cloth.
- Check seal -B- for damage.
- Peel protective film off adhesive strip -A- only.
- Fit sections of wheel arch cover -D- in the sequence -1 ... 3-, as shown.
- 1. Apply wheel arch cover at bottom at side panel (rear).
- 2. Press wheel arch cover onto side panel (rear) so that it engages audibly.
- 3. Position wheel arch cover on bumper cover and press it on so that it engages audibly.
- Leave vehicle standing at room temperature for at least 3.5 hours.
- Install wheel housing liner (rear) ➔ [page 276](#) .



3.14 Removing and installing trim cover for door



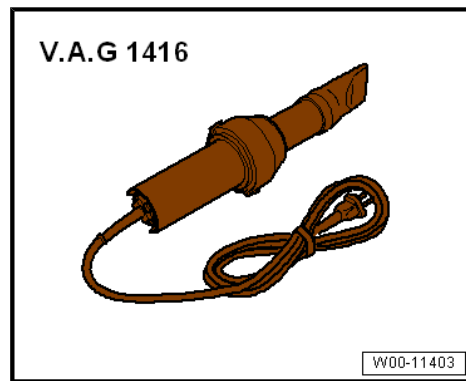
Note

Unpainted door trim covers must be renewed.

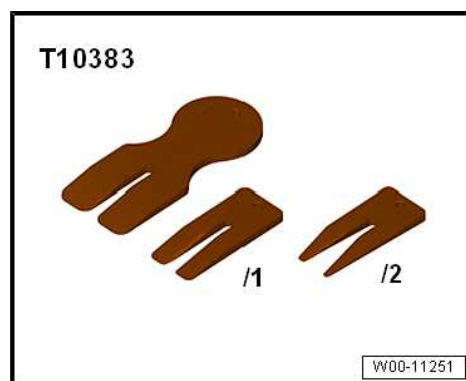
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Special tools and workshop equipment required

◆ Hot air blower - V.A.G 1416-



◆ Wedges - T10383-



◆ Cleaning solution - D 009 401 04-

Removing

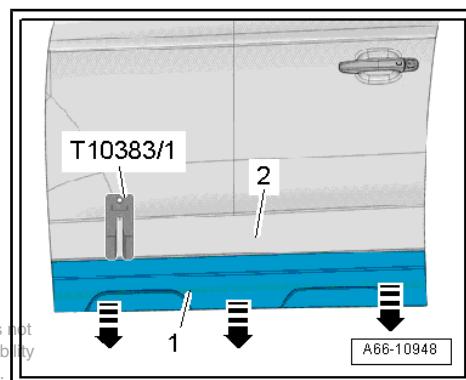
- Open door.
- Carefully heat trim cover -1- for door with hot air blower - V.A.G 1416- , lever trim cover off door -2- using wedge -T10383/1- and disengage downwards -arrows-.

Installing



Note

- ◆ *Unpainted door trim covers must be renewed after they have been removed.*
- ◆ *The double-sided adhesive strips on painted door trim covers must be replaced with double-sided adhesive tape - D 438 515 A1- (15 mm) / double-sided adhesive tape - D 438 515 A2- (6 mm); they must be bonded on at the same locations.*

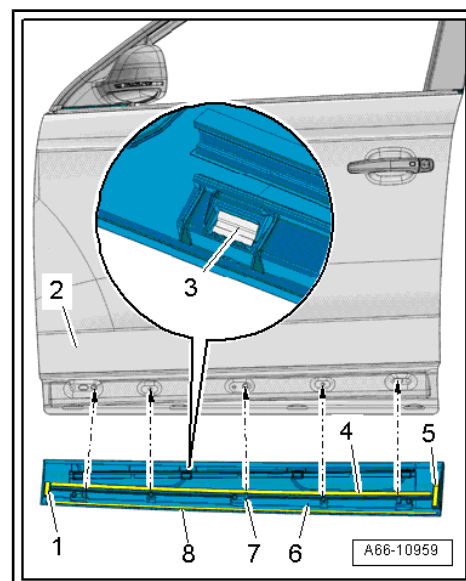


Install in reverse order of removal; note the following:

- Clean bonding surface on door with cleaning solution - D 009 401 04- .

- Check that all rubber buffers -3- are seated in corresponding mountings.
- Peel protective film off adhesive strips -1, 4, 5, 8-.
- Engage trim cover -6- for door on underside of door -2- and align via central locating lug -7-.
- Press trim cover for door on so that it engages audibly (from outside to inside).

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 • **Leave vehicle standing at room temperature for at least 3.5 hours.**
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3.15 Removing and installing heat shield for floor

⇒ [“3.15.1 Removing and installing heat shield for tunnel \(centre\)”, page 251](#)

⇒ [“3.15.2 Removing and installing heat shield for tunnel \(centre\), Audi RS Q3”, page 252](#)

⇒ [“3.15.3 Removing and installing heat shield for propshaft”, page 253](#)

⇒ [“3.15.4 Removing and installing heat shield for propshaft, Audi RS Q3”, page 254](#)

⇒ [“3.15.5 Removing and installing heat shield for rear silencer - version 1”, page 254](#)

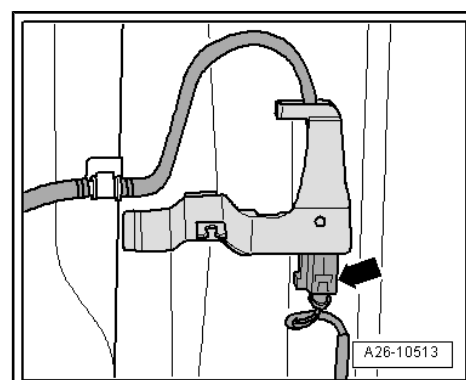
⇒ [“3.15.6 Removing and installing heat shield for rear silencer - version 2”, page 255](#)

⇒ [“3.15.7 Removing and installing heat shield for rear silencer - Audi RS Q3”, page 255](#)

3.15.1 Removing and installing heat shield for tunnel (centre)

Removing

- Remove underbody covers (left and right) ⇒ [page 260](#) .
- Remove heat shield for propshaft ⇒ [page 253](#) .
- Vehicles with petrol engine: Unplug electrical connector -arrow- for Lambda probe after catalytic converter - G130- and Lambda probe 1 heater after catalytic converter - Z29- on right side of underbody.
- Take electrical connector out of bracket and move wiring harness clear at heat shield.
- Remove cross piece ⇒ [page 261](#) .



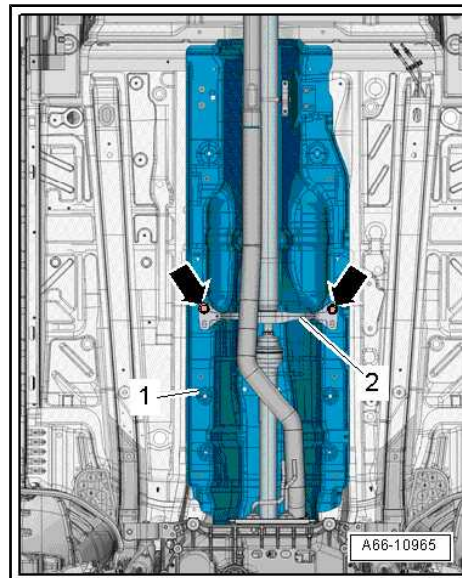
- Remove bolts -arrows- at centre propshaft bearing -2-.
- Detach propshaft from rear final drive ⇒ Rear final drive; Rep. gr. 39 ; Propshaft; Removing and installing propshaft .
- Detach heat shield -1- towards rear left.

Installing

- Tightening torques
⇒ ["3.6 Exploded view - heat shield", page 239](#)

Install in reverse order of removal; note the following:

- Install propshaft ⇒ Rear final drive; Rep. gr. 39 ; Propshaft; Removing and installing propshaft .
- Install heat shield for propshaft ⇒ [page 253](#) .



3.15.2 Removing and installing heat shield for tunnel (centre), Audi RS Q3

Removing

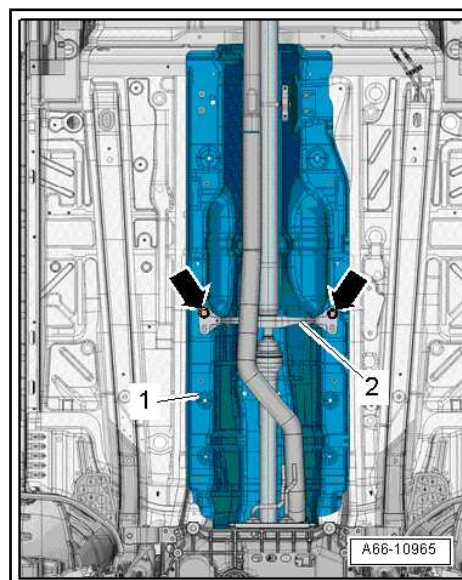
- Remove underbody covers (left and right) ⇒ [page 260](#) .
- Remove heat shield for propshaft ⇒ [page 253](#) .
- Remove exhaust system ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Removing and installing silencers .
- Remove cross piece ⇒ [page 261](#) .
- Remove bolts -arrows- at centre propshaft bearing -2-.
- Detach propshaft from rear final drive ⇒ Rear final drive; Rep. gr. 39 ; Propshaft; Removing and installing propshaft .
- Detach heat shield -1- towards rear.

Installing

- Tightening torques
⇒ ["3.6 Exploded view - heat shield", page 239](#)

Install in reverse order of removal; note the following:

- Install propshaft ⇒ Rear final drive; Rep. gr. 39 ; Propshaft; Removing and installing propshaft .
- Install exhaust system ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Removing and installing silencers .
- Install heat shield for propshaft ⇒ [page 253](#) .



3.15.3 Removing and installing heat shield for propshaft

Removing

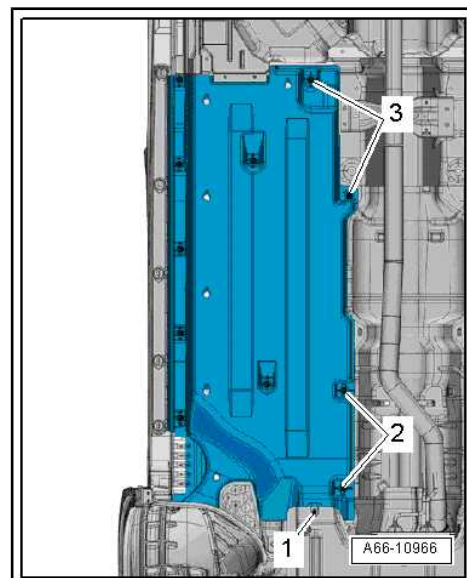
- Release quick-release fastener -1-.
- Remove nuts -2 and 3-.



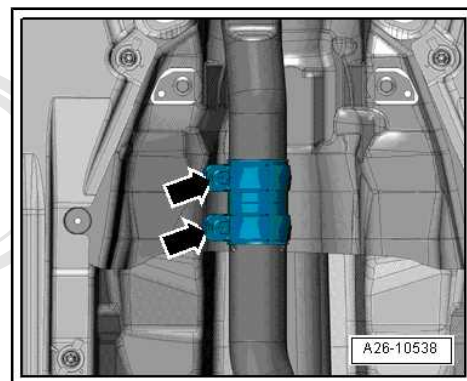
Caution

Risk of damage to flexible joint in front silencer.

◆ *Do not kink flexible joint in front silencer more than 10°.*



- Loosen nuts -arrows-, slide clamp to rear and leave front exhaust pipe hanging.



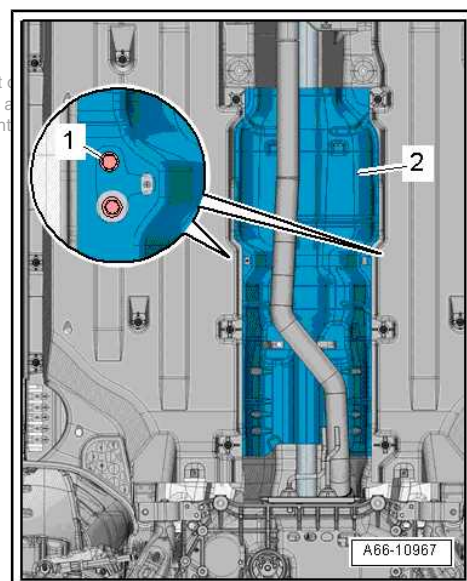
- Remove bolts -1-.
- Take out heat shield -2- towards rear (as seen in direction of travel).

Installing

- Tightening torques
⇒ ["3.6 Exploded view - heat shield", page 239](#)

Install in reverse order of removal; note the following:

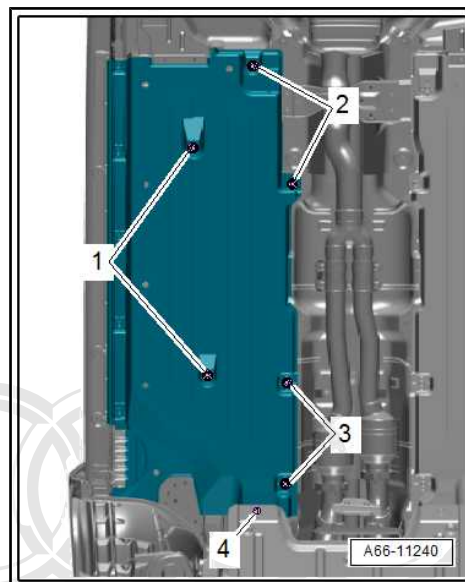
- Install exhaust system ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .
- Install underbody cover ⇒ [page 260](#) .



3.15.4 Removing and installing heat shield for propshaft, Audi RS Q3

Removing

- Remove catalytic converter (left and right) ⇒ Rep. gr. 26 ; Emission control system; Removing and installing catalytic converter .
- Release quick-release fastener -4-.
- Unscrew nuts -1, 2 and 3-.



- Remove bolts -1-.
- Take out heat shield -2- towards front (as seen in direction of travel).

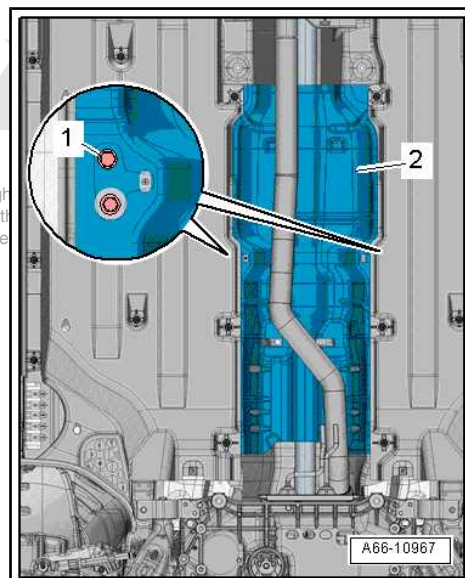
Installing

- Tightening torques
⇒ ["3.6 Exploded view - heat shield", page 239](#)

Install in reverse order of removal; note the following:

- Install catalytic converter ⇒ Rep. gr. 26 ; Emission control system; Removing and installing catalytic converter .
- Install underbody cover ⇒ [page 260](#) .

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3.15.5 Removing and installing heat shield for rear silencer - version 1

Removing

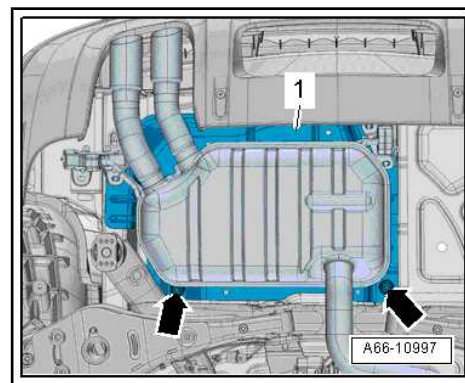
- Unfasten mounting for rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .

- Unscrew nuts -arrows-.
- Take out heat shield -1- towards right side.

Installing

Install in reverse order of removal; note the following:

- Install rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .



3.15.6 Removing and installing heat shield for rear silencer - version 2

Special tools and workshop equipment required

- ◆ Engine and gearbox jack - VAS 6931-



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Removing

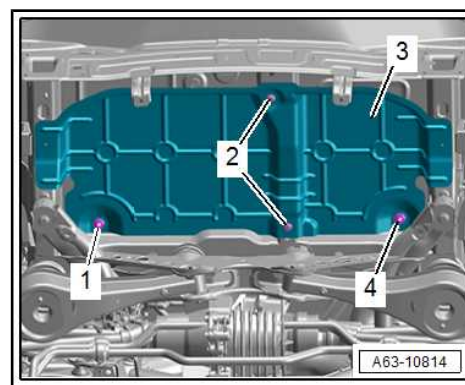
- Unfasten mounting for rear silencer and lower it slightly with engine and gearbox jack - VAS 6931- ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .
- Remove bolts -2-.
- Loosen clamping washers -1, 4-.
- Remove heat shield -3-.

Installing

- Tightening torques
⇒ Fig. "Tightening torques for heat shield for rear silencer, version 2", page 239

Install in reverse order of removal; note the following:

- Install rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .



3.15.7 Removing and installing heat shield for rear silencer - Audi RS Q3

Removing

- Unfasten mounting for rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .

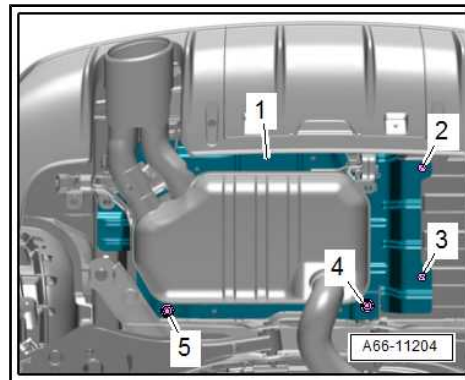
- Unscrew bolts -2 and 3- and nuts -4 and 5-.
- Remove heat shield -1-.

Installing

- Tightening torques
⇒ [Fig. "Tightening torques for heat shield for rear silencer, Audi RS Q3"](#) , page 240

Install in reverse order of removal; note the following:

- Install rear silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers;
Exploded view - silencers .



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4 Noise insulation

⇒ ["4.1 Exploded view - noise insulation", page 257](#)

⇒ ["4.2 Removing and installing noise insulation", page 258](#)

4.1 Exploded view - noise insulation

1 - Bolt

- ☐ 3x
- ☐ 2.5 Nm

2 - Noise insulation (front)

- ☐ For engine
- ☐ Removing and installing
⇒ [page 258](#)

3 - Rubber washer

- ☐ 2x

4 - Quick-release fastener

- ☐ 2x

5 - Bolt M8

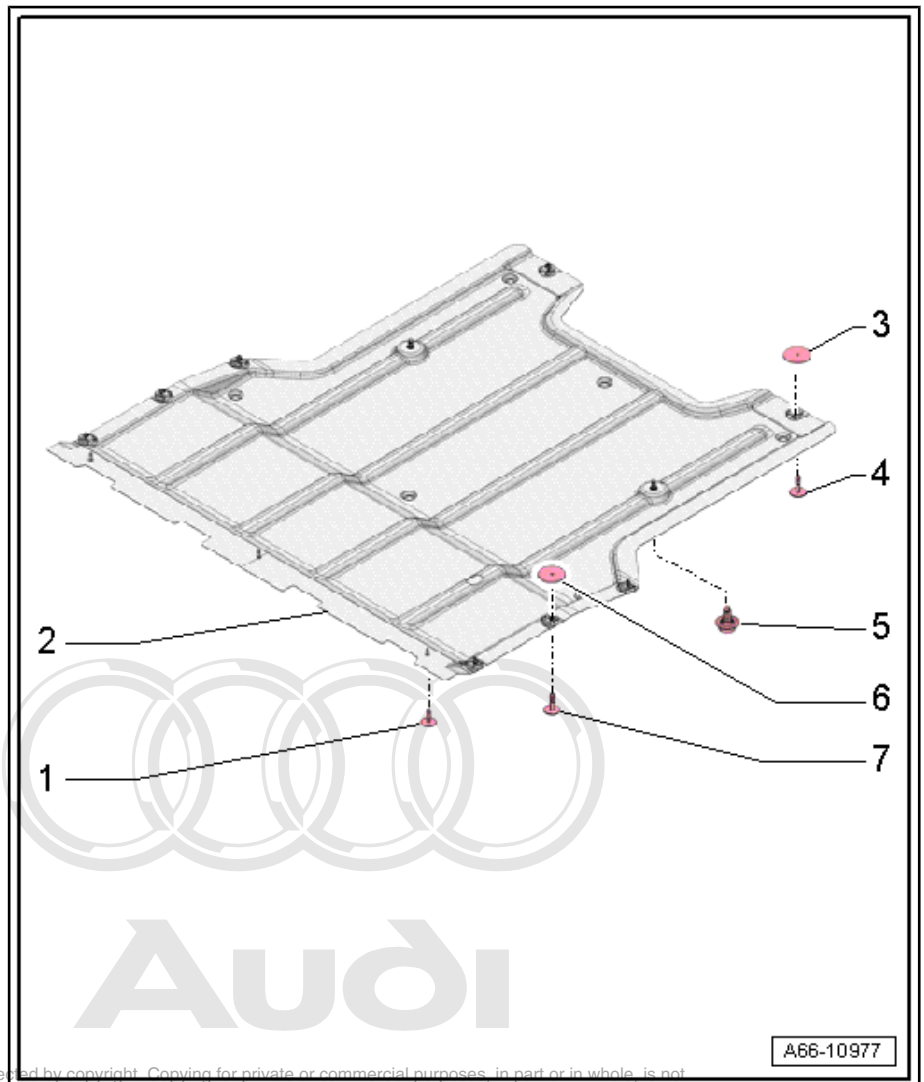
- ☐ Up to model year 2014:
2x
- ☐ From model year 2015
onwards: 3x
- ☐ 6 Nm

6 - Rubber washer

- ☐ 6x

7 - Quick-release fastener

- ☐ 6x



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4.2 Removing and installing noise insulation

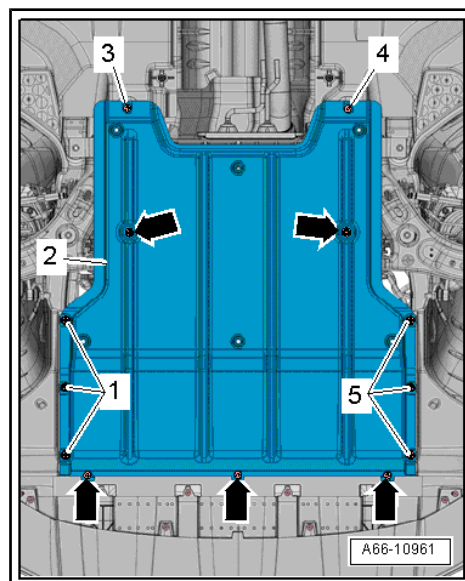
Removing

- Unscrew bolts -arrows- and release quick-release fasteners -1, 3, 4 and 5-.
- Pull off noise insulation (front) -2- to the rear.
- This disengages guide lugs of noise insulation (front).
- Detach noise insulation (front).

Installing

- **Tightening torque**
⇒ **4.1 Exploded view noise insulation, page 257**

Install in reverse order of removal.



5 Underbody trim

⇒ ["5.1 Overview of fitting locations - trim panels", page 259](#)

⇒ ["5.2 Removing and installing underbody trim", page 260](#)

⇒ ["5.3 Removing and installing tunnel cross-piece", page 261](#)

5.1 Overview of fitting locations - trim panels

1 - Nut

- ☐ 11x
- ☐ 2 Nm

2 - Speed nut

- ☐ For quick-release fastener

3 - Underbody trim

- ☐ Removing and installing
⇒ [page 260](#)

4 - Nut

- ☐ 2.5 Nm

5 - Nut

- ☐ 2.5 Nm

6 - Underbody trim (rear centre)

- ☐ Vehicles with front-wheel drive only
- ☐ Removing and installing
⇒ [page 261](#)

7 - Nut

- ☐ 2.5 Nm

8 - Bracket

9 - Spreader rivet

- ☐ 2x

10 - Nut

- ☐ 2.5 Nm

11 - Nut

- ☐ 2.5 Nm

12 - Bolt

- ☐ 3x
- ☐ 2.5 Nm

13 - Underbody trim (rear)

- ☐ Removing and installing ⇒ [page 260](#)

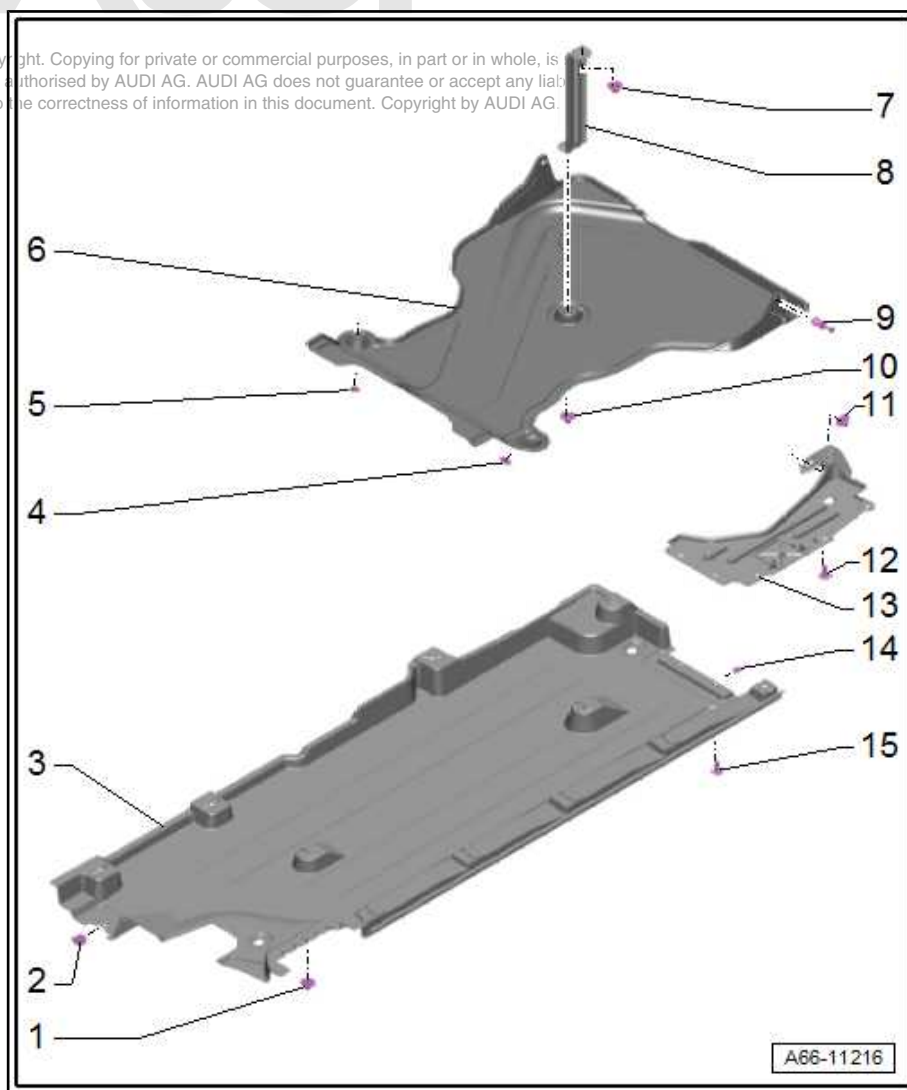
14 - Speed nut

- ☐ 2x

15 - Bolt

- ☐ 2x
- ☐ 2.5 Nm

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5.2 Removing and installing underbody trim

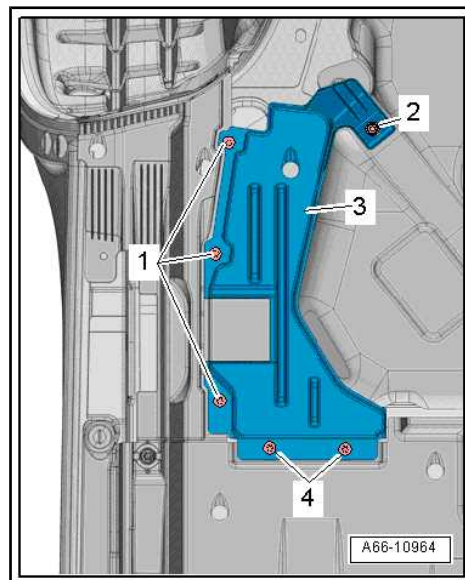
⇒ ["5.2.1 Removing and installing underbody trim", page 260](#)

⇒ ["5.2.2 Removing and installing underbody trim \(rear centre\)", page 261](#)

5.2.1 Removing and installing underbody trim

Removing

- Unscrew nut -2- and bolts -1 and 4-.
- Detach underbody trim (rear) -3-.



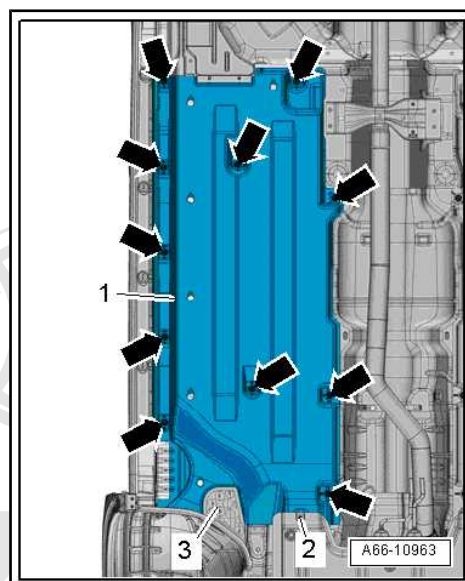
- Release quick-release fastener -2-.
- Unscrew nuts -arrows-.
- Detach underbody trim -1-.

Installing

- Tightening torque
⇒ ["5.1 Overview of fitting locations - trim panels", page 259](#)

Install in reverse order of removal; note the following:

- Underbody trim must be inserted behind underbody trim (rear) -3-.



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5.2.2 Removing and installing underbody trim (rear centre)

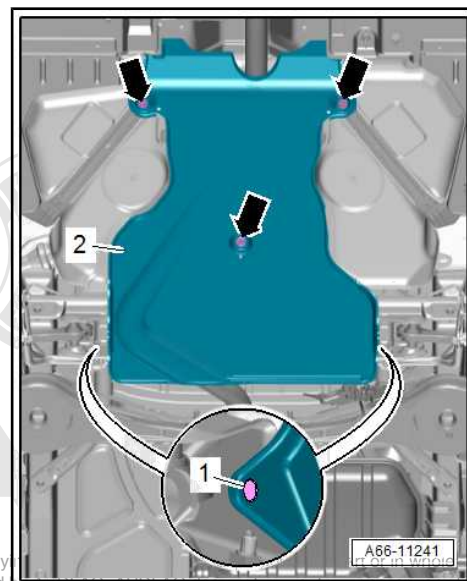
Removing

- Detach spreader rivet -1-.
- Unscrew nuts -arrows- and remove underbody trim -2-.

Installing

- Tightening torques
⇒ ["5.1 Overview of fitting locations - trim panels", page 259](#)

Install in reverse order of removal; note the following:



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5.3 Removing and installing tunnel cross-piece

Removing

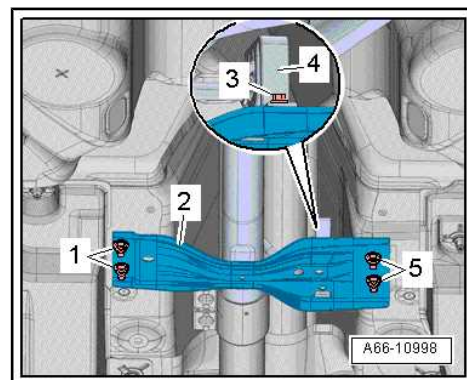
- Remove nuts -1 and 5-.
- Unscrew bolts -3- from mounting -4- for centre silencer.
- Detach cross piece -2-.

Installing

- Tightening torques
⇒ ["3.6 Exploded view - heat shield", page 239](#)

Install in reverse order of removal; note the following:

- Install mounting for centre silencer ⇒ Rep. gr. 26 ; Exhaust pipes/silencers; Exploded view - silencers .



6 Roof strips / roof rails

⇒ ["6.1 Exploded view - roof rail", page 262](#)

⇒ ["6.2 Exploded view - roof trim strip", page 263](#)

⇒ ["6.3 Removing and installing roof rail", page 264](#)

⇒ ["6.4 Removing and installing roof trim strip", page 265](#)

6.1 Exploded view - roof rail

1 - Nut

- ☐ 4x
- ☐ Insert with locking fluid;
locking fluid ⇒ Electronic parts catalogue
- ☐ Tightening sequence
⇒ [page 263](#)

2 - Compensation element

- ☐ 4x
- ☐ Removing and installing
⇒ [page 264](#)

3 - Seal

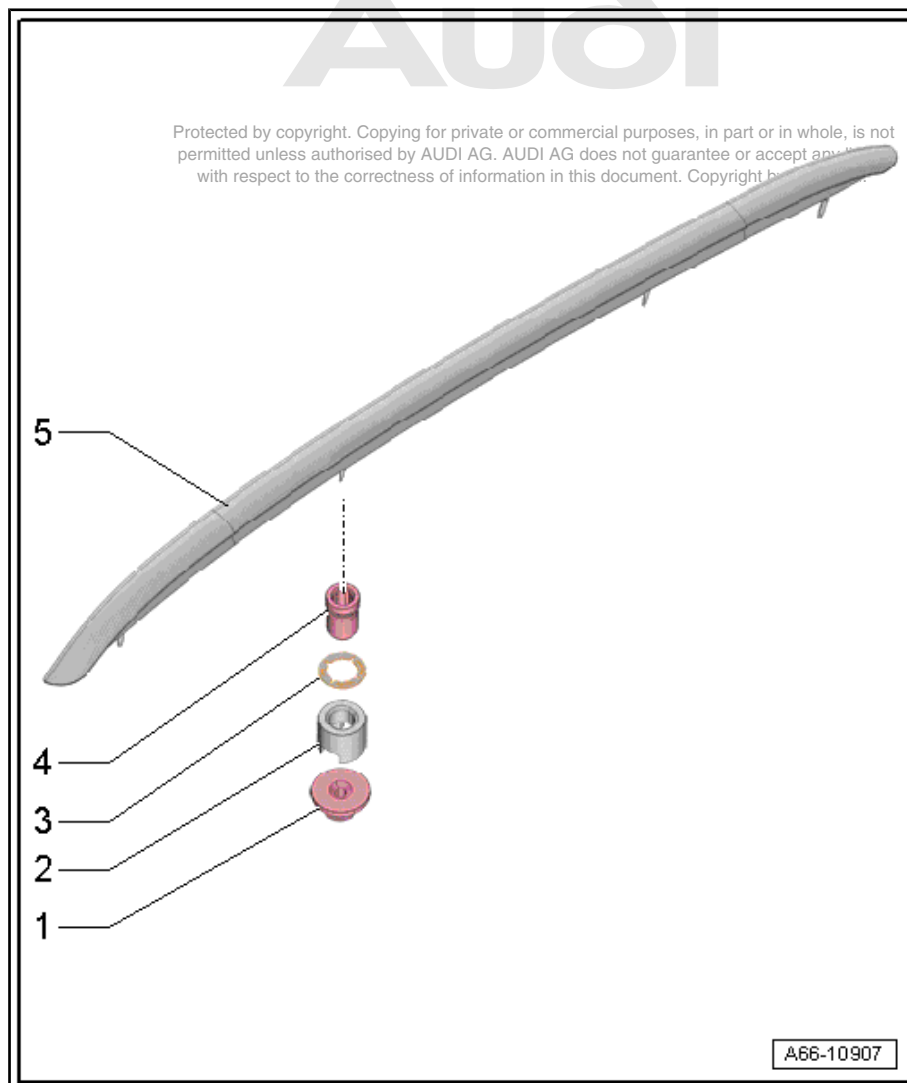
- ☐ 4x
- ☐ Renew if damaged

4 - Adjuster screw

- ☐ 4x
- ☐ Insert with locking fluid;
locking fluid ⇒ Electronic parts catalogue
- ☐ 0.4 Nm

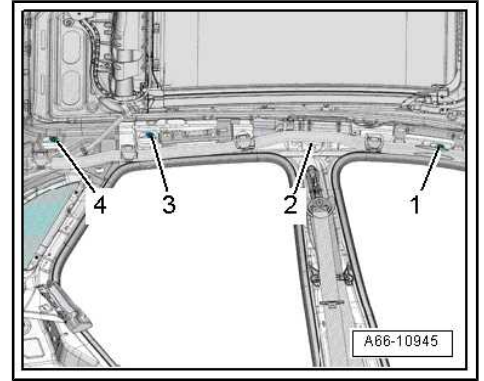
5 - Roof rail

- ☐ Removing and installing
⇒ [page 264](#)



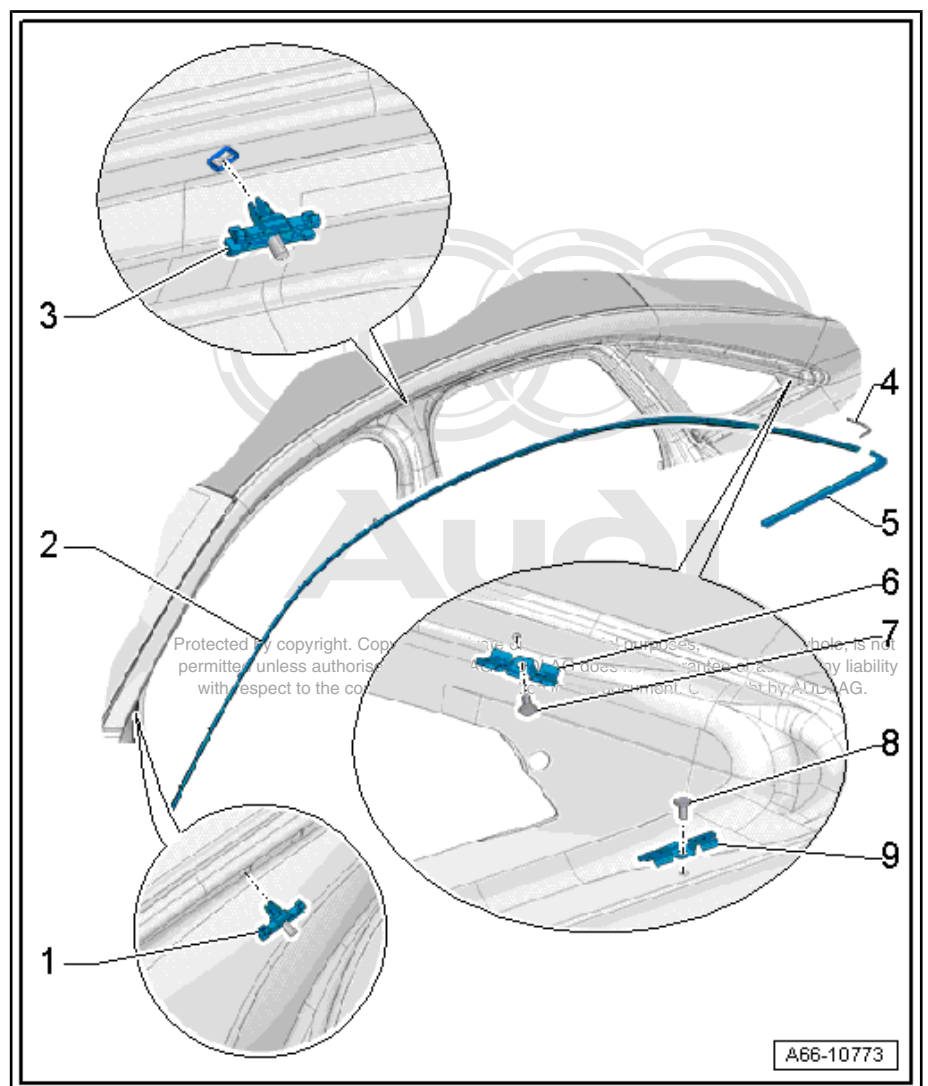
Roof rail - tightening torque and sequence

- Tighten nuts to 10 Nm in the sequence -2, 3, 4, 1-.



6.2 Exploded view - roof trim strip

- 1 - Fastener
- 2 - Roof trim strip
 - ☐ Removing and installing
⇒ [page 265](#)
- 3 - Fastener
 - ☐ 11x
- 4 - Seal
 - ☐ For trim strip for side window
 - ☐ Self-adhesive
- 5 - Trim strip for side window
 - ☐ Removing and installing
⇒ [page 240](#)
- 6 - Clip
 - ☐ 3x
- 7 - Pop rivet
 - ☐ 3x
- 8 - Pop rivet
 - ☐ 3x
- 9 - Clip
 - ☐ 3x



6.3 Removing and installing roof rail

⇒ [“6.3.1 Removing and installing roof rail”, page 264](#)

⇒ [“6.3.2 Removing and installing compensation element”, page 264](#)

6.3.1 Removing and installing roof rail



WARNING

- ◆ *Observe safety regulations for working on pyrotechnic components ⇒ General body repairs, interior; Rep. gr. 00 ; Safety precautions; Safety precautions when working on pyrotechnic components .*

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Removing

- Lower moulded headliner ⇒ General body repairs, interior; Rep. gr. 70 ; Roof trim panels; Removing and installing moulded headliner .
- Unscrew nuts -arrow-.
- Lift off roof rail.

Installing

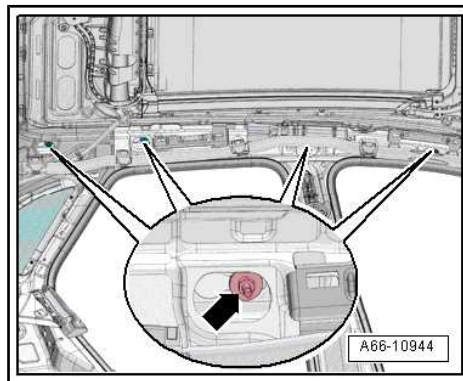
- Tightening torque
⇒ [Fig. ““Roof rail - tightening torque and sequence””, page 263](#)

Install in reverse order of removal; note the following:



Note

- ◆ *Clean thread of stud on roof rail with a wire brush.*
- ◆ *Carefully remove any locking fluid residue from the threads of the nuts fitted with locking fluid using a thread tap. Otherwise, the studs could shear off when they are removed again.*
- Fit roof rail, inserting guide pin in mounting in roof of vehicle.
- Fit nuts with locking fluid and tighten ⇒ [page 263](#) .
- Install moulded headliner ⇒ General body repairs, interior; Rep. gr. 70 ; Roof trim panels; Removing and installing moulded headliner .



6.3.2 Removing and installing compensation element

Removing

- Remove roof rail ⇒ [page 264](#) .

- Screw adjuster screw -1- into compensation element -3-.
- Move compensation element and take out of roof opening -2- from inside.

Installing

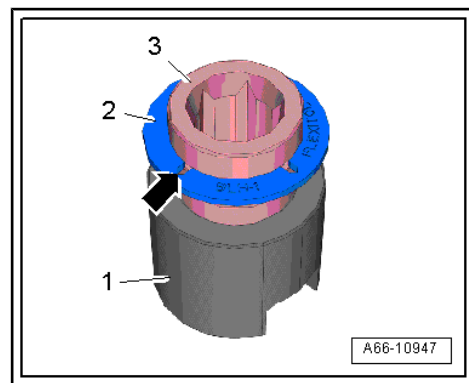
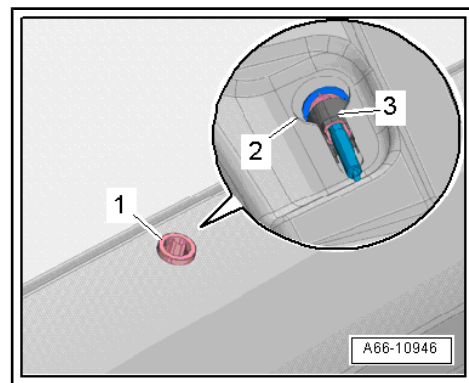
Install in reverse order of removal; note the following:



Note

- ◆ Clean threads of bolts fitted with locking fluid with a wire brush.
- ◆ Use a thread tap to carefully remove any locking fluid residue from the threaded holes in which bolts were fitted with locking fluid. Otherwise, the bolts could shear off when they are re-moved again.
- ◆ Renew seal if damaged.

- Check seal -2- for damage.
- Seal must be seated in groove -arrow-.
- Screw adjuster screw -3- with locking fluid into compensation element -1-, insert in roof opening and secure.
- Install roof rail ➔ [page 264](#) .

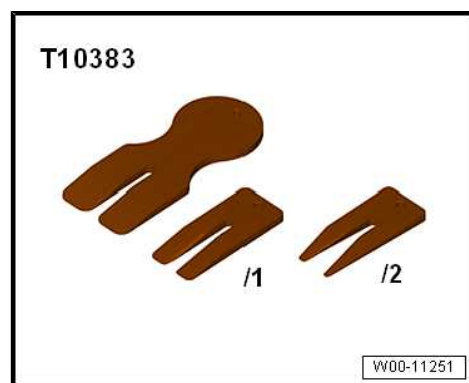


6.4 Removing and installing roof trim strip

Special tools and workshop equipment required

- ◆ Wedges T10383

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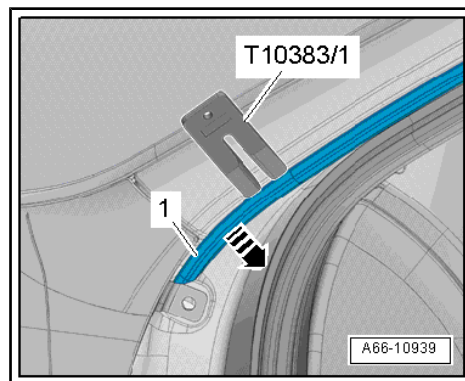
Removing



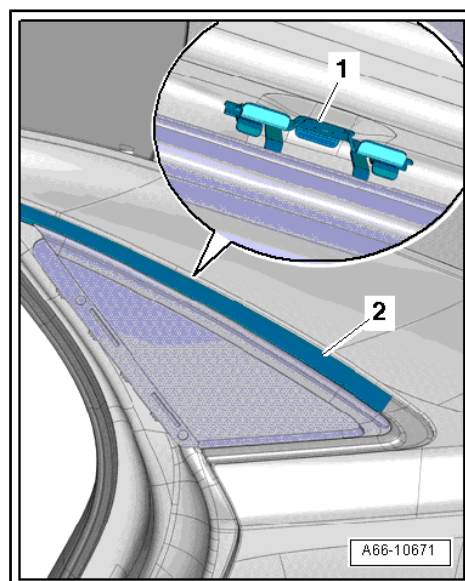
Note

- ◆ Take care not to twist or bend roof trim strip.
- ◆ Mask area around roof trim strip at A-pillar with adhesive tape to avoid damaging paintwork.
- Open front and rear doors.

- Starting at A-pillar, press roof trim strip -1- off retaining clips -arrow- using wedge -T10383/1- .

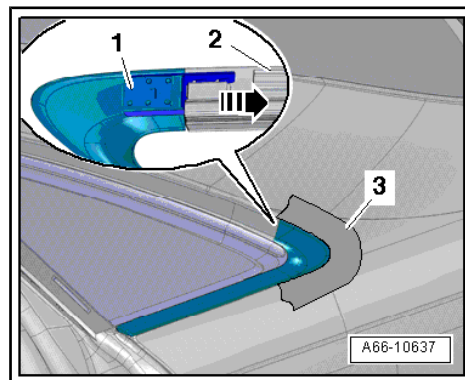


- Pull roof trim strip -2- out of clips -1- in area of rear side window.
- Have a second mechanic hold the roof trim strip to avoid damaging the paintwork.



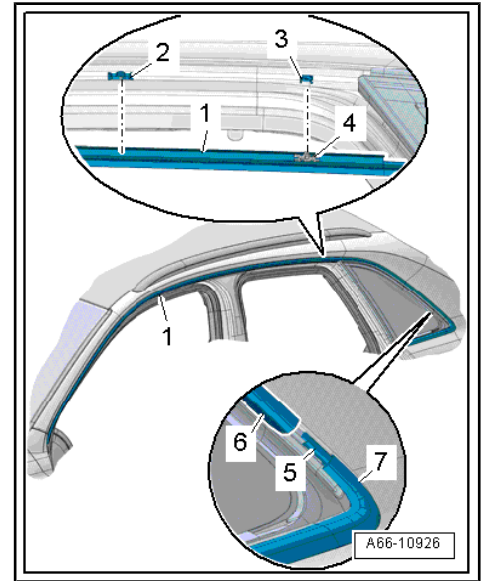
- Mask area around trim strip for side window -1- with adhesive tape -3- as shown in illustration to avoid damaging paintwork.
- Pull roof trim strip -2- out of clip on side window -1- in direction of -arrow-.
- Detach roof trim strip.

Installing



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- Fit roof trim strip -1- in trim strip -7- for side window.
- Clip -5- must be inserted correctly in guide -6-.
- Roof trim strip must make flush contact with trim strip for side window.
- Insert centring pin -4- of roof trim strip in clip mounting -3- in roof of vehicle.
- Press roof trim strip into clips in area of side window and onto retaining clips -2- so they engage audibly.



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7 Exterior mirrors

⇒ "7.1 Exploded view - exterior mirror", page 268

⇒ "7.2 Removing and installing exterior mirror", page 269

⇒ "7.3 Removing and installing mirror glass", page 269

⇒ "7.4 Removing and installing mirror adjustment unit",
page 271

⇒ "7.5 Removing and installing mirror trim", page 272

7.1 Exploded view - exterior mirror

1 - Bolt

- ❑ 1 Nm

2 - Mirror adjustment unit

- ❑ Removing and installing
⇒ page 271

3 - Bolt

- ❑ 2x
- ❑ 1 Nm

4 - Cover

- ❑ For mounting for mirror adjustment unit
- ❑ Removing and installing
⇒ page 272

5 - Mounting for mirror adjustment unit

- ❑ Combined in one component with cover
- ❑ Removing and installing
⇒ page 271

6 - Bolt

- ❑ 2x
- ❑ Tightening torque ⇒
Electrical system; Rep. gr. 94 ; Lights in exterior mirror; Exploded view - lights in exterior mirror

7 - Turn signal repeater bulb in exterior mirror

- ❑ Removing and installing
⇒ Electrical system; Rep. gr. 94 ; Lights in exterior mirror; Removing and installing turn signal repeater bulb -L131- / -L132-

8 - Exterior mirror housing

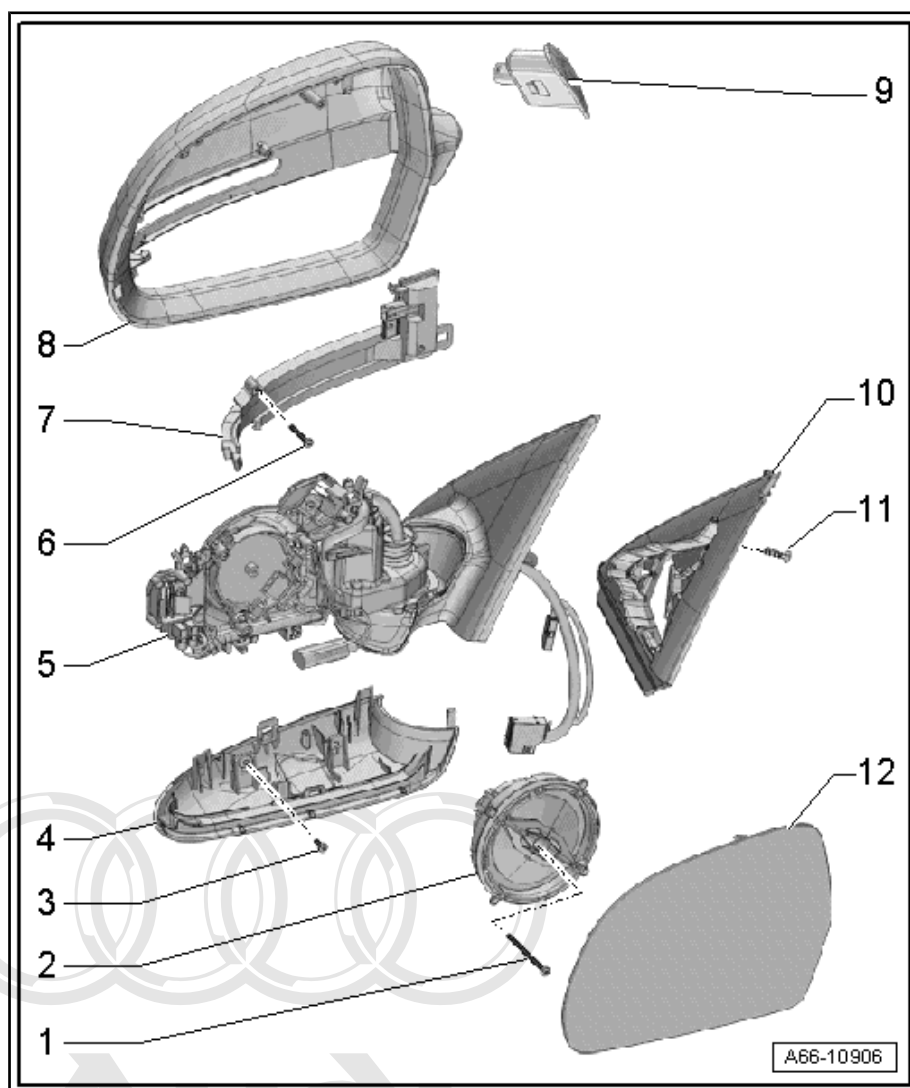
- ❑ Removing and installing ⇒ page 269

9 - Lane change assist warning lamp in exterior mirror

- ❑ Removing and installing ⇒ Electrical system; Rep. gr. 96 ; Lane change assist; Removing and installing lane change assist warning lamp in exterior mirror -K233- / -K234-

10 - Sealing piece

- ❑ For mirror base



11 - Bolt

- 10 Nm

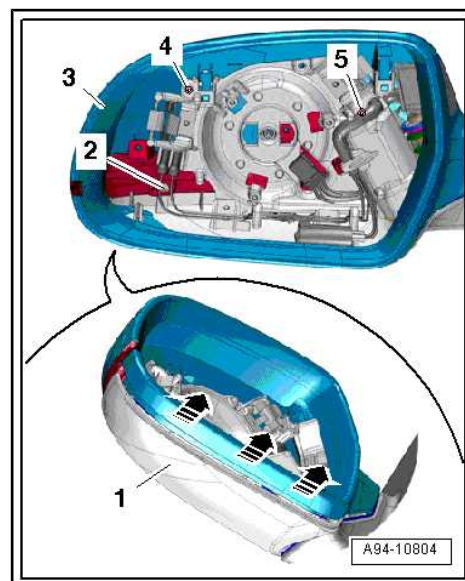
12 - Mirror glass

- Removing and installing ⇒ [page 269](#)

7.2 Removing and installing exterior mirror

Removing

- Remove mirror glass ⇒ [page 269](#) .
- Remove bolts -4- and -5-.
- Release retaining clip -2- and detach exterior mirror housing -3- from cover -1- -arrows-.



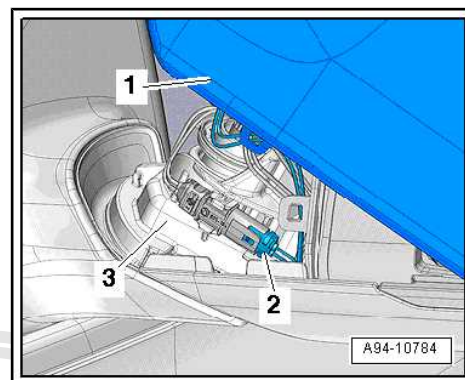
- On vehicles with lane change assist function, pull exterior mirror housing -1- off only to the extent that electrical connector becomes visible.
- Unplug electrical connector -2- for lane change assist warning lamp on front of mounting -3- for mirror adjustment unit.
- Lift off exterior mirror housing -1-.
- If renewing housing, remove turn signal repeater bulb ⇒ Electrical system; Rep. gr. 94 ; Lights in exterior mirror; Removing and installing turn signal repeater bulb -L131- / -L132- .

Installing

- Tightening torque
⇒ ["7.1 Exploded view - exterior mirror", page 268](#)

Install in reverse order of removal; note the following:

- Install mirror glass ⇒ [page 269](#) .

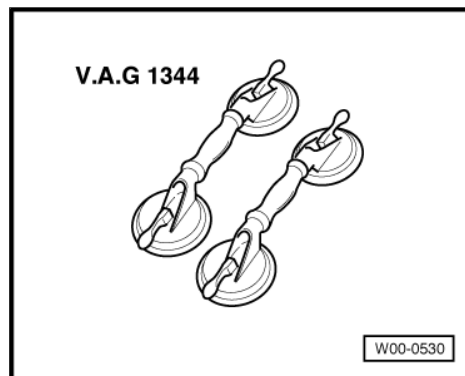


7.3 Removing and installing mirror glass

Special tools and workshop equipment required

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◆ Suction lifter - V.A.G 1344-



◆ Protective gloves

Removing

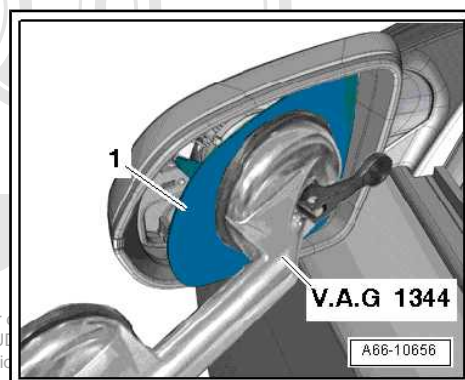


WARNING

Risk of injury.

- ◆ *Wear protective gloves.*

- Apply suction lifter - V.A.G 1344- centrally to mirror glass -1-, as shown in illustration.
- Pull mirror glass off mirror adjustment unit with suction lifter - V.A.G 1344- .



- Unplug electrical connectors -1 and 2- for mirror glass heating on rear of mirror glass -3-.
- If fitted, unclip electrical connector -4- from bracket -arrow- and unplug.

Installing

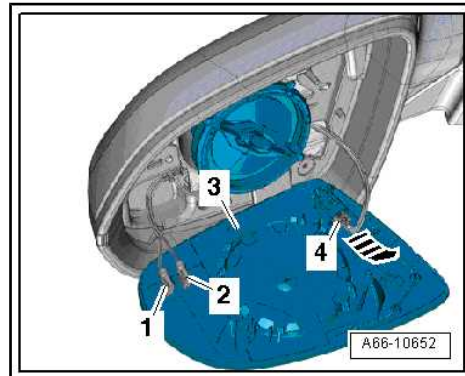
Install in reverse order of removal; note the following:

- Position mirror glass at mirror adjustment unit and press mirror glass on.



Note

Only exert pressure in the centre of the mirror when pressing on the mirror glass.



7.4 Removing and installing mirror adjustment unit

⇒ ["7.4.1 Removing and installing mirror adjustment unit", page 271](#)

⇒ ["7.4.2 Removing and installing mounting for mirror adjustment unit", page 271](#)

7.4.1 Removing and installing mirror adjustment unit

Removing

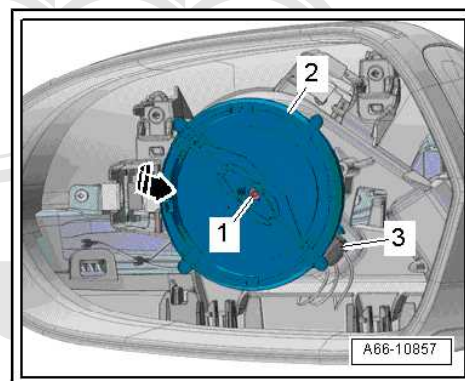
- Remove mirror glass ⇒ [page 269](#) .
- Remove bolt -1-.
- Disengage mirror adjustment unit -2- on outside of mounting -arrow-.
- Unplug electrical connector -3- at mirror adjustment unit.
- Detach mirror adjustment unit.

Installing

- Tightening torque
⇒ ["7.1 Exploded view - exterior mirror", page 268](#)

Install in reverse order of removal; note the following:

- Press mirror adjustment unit onto mirror mounting until it engages audibly.
- Install mirror glass ⇒ [page 269](#) .



7.4.2 Removing and installing mounting for mirror adjustment unit

Removing

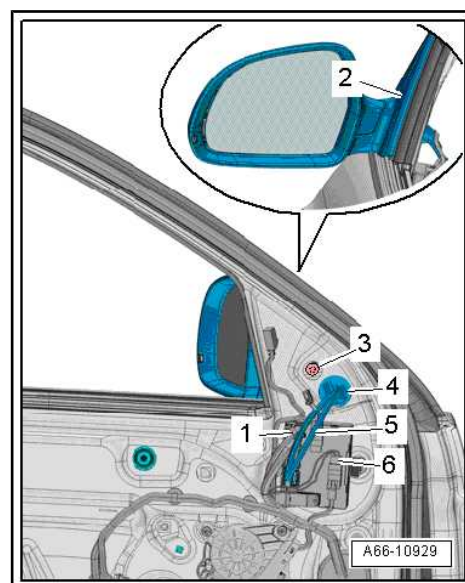
- Remove window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .
- Pull catch, press release mechanism and unplug electrical connector -1-.
- Unplug electrical connector -6-.
- Remove bolt -3-.
- Detach mounting -2- for mirror adjustment unit and at the same time guide sealing grommet -4- with wiring harness -5- out through opening in body.

Installing

- Tightening torque
⇒ ["7.1 Exploded view - exterior mirror", page 268](#)

Install in reverse order of removal; note the following:

- Install window frame trim ⇒ General body repairs, interior; Rep. gr. 70 ; Door trim (front); Removing and installing trim for window frame .



7.5 Removing and installing mirror trim

Removing

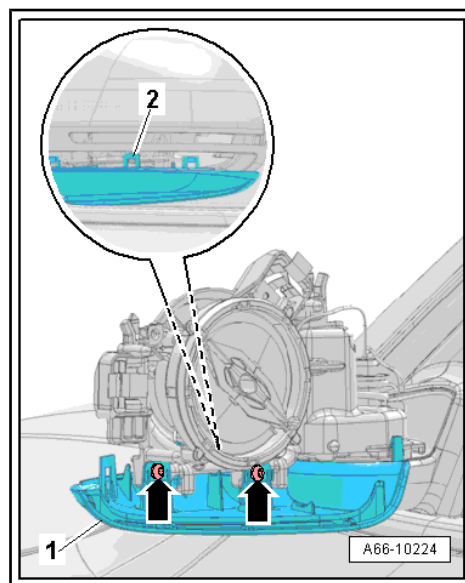
- Remove exterior mirror housing ➔ [page 269](#) .
- Remove bolts -arrows-.
- Disengage retaining tab -2- and remove mirror trim -1- from mounting for mirror adjustment unit.

Installing

- Tightening torque
➔ [“7.1 Exploded view - exterior mirror”, page 268](#)

Install in reverse order of removal; note the following:

- Install exterior mirror housing ➔ [page 269](#) .



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8 Wheel housing liners

⇒ "8.1 Exploded view - wheel housing liner (front)", page 273

⇒ "8.2 Exploded view - wheel housing liner (rear)", page 274

⇒ "8.3 Removing and installing wheel housing liner (front)", page 275

⇒ "8.4 Removing and installing wheel housing liner (rear)", page 276

8.1 Exploded view - wheel housing liner (front)

1 - Wheel spoiler (front)

- ☐ Removing and installing
⇒ page 275

2 - Bolt

- ☐ 2.5 Nm

3 - Speed nut

4 - Speed nut

- ☐ For quick-release fastener
- ☐ 3x

5 - Speed nut

- ☐ 4x

6 - Bolt

- ☐ 2x
- ☐ 2.5 Nm

7 - Wheel housing liner (front)

- ☐ Removing and installing
⇒ page 275

8 - Retainer

- ☐ For securing wheel housing liner to wing

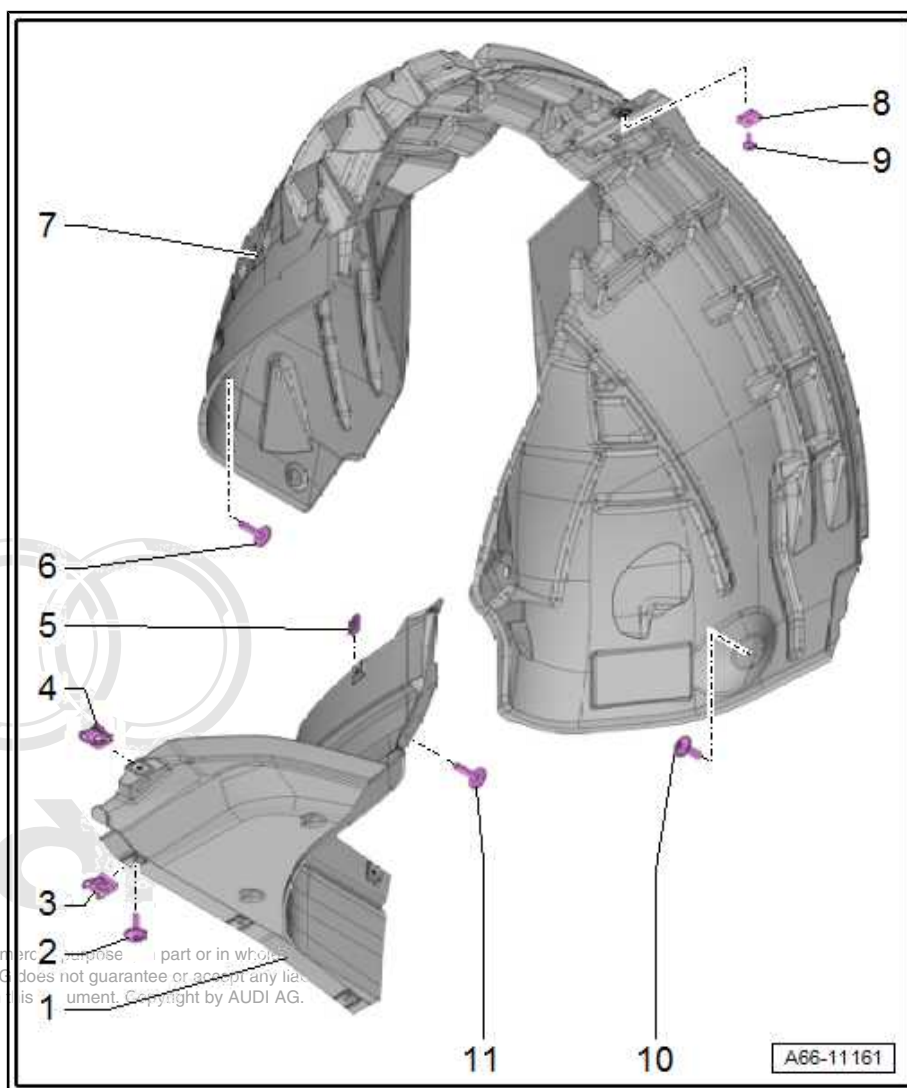
9 - Bolt

- ☐ 2.5 Nm

10 - Bolt

- ☐ 11x

- ☐ 2.5 Nm



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8.2 Exploded view - wheel housing liner (rear)

1 - Wheel spoiler (rear)

- ❑ Removing and installing
⇒ [page 276](#)

2 - Speed nut

- ❑ 5x

3 - Bolt

- ❑ 2x
- ❑ 2.5 Nm

4 - Wheel housing liner (rear)

- ❑ Removing and installing
⇒ [page 276](#)

5 - Bolt

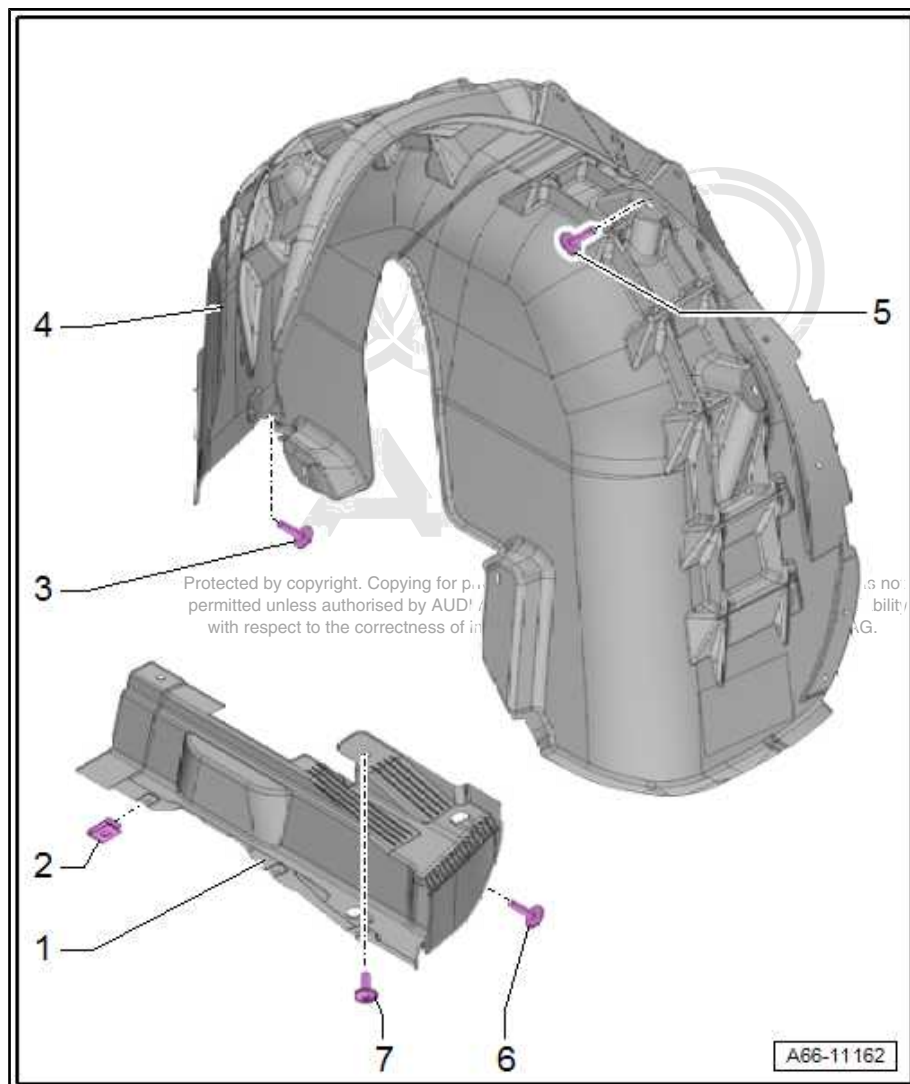
- ❑ 10x
- ❑ 2.5 Nm

6 - Bolt

- ❑ 2.5 Nm

7 - Bolt

- ❑ 2.5 Nm



8.3 Removing and installing wheel housing liner (front)

⇒ ["8.3.1 Removing and installing wheel housing liner \(front\)", page 275](#)

⇒ ["8.3.2 Removing and installing wheel spoiler \(front\)", page 275](#)

8.3.1 Removing and installing wheel housing liner (front)

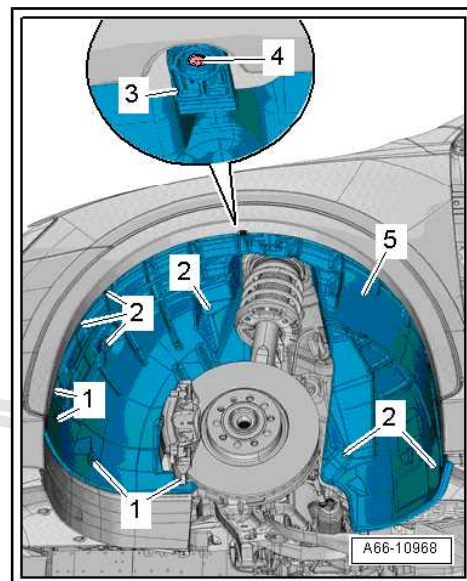
Removing

- Remove bolts -1 and 2-.
- Unscrew bolt -4- and disengage retainer -3- at wing panel.
- Take out wheel housing liner -5-.

Installing

- Tightening torques
⇒ ["8.1 Exploded view - wheel housing liner \(front\)", page 273](#)

Install in reverse order of removal.



8.3.2 Removing and installing wheel spoiler (front)

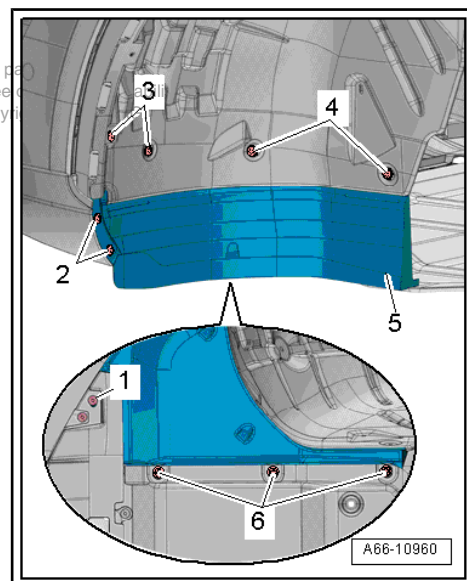
Removing

- Remove bolts -1 ... 4-.
- Release quick-release fastener -6- and detach wheel spoiler -5-.

Installing

- Tightening torques
⇒ ["8.1 Exploded view - wheel housing liner \(front\)", page 273](#)

Install in reverse order of removal.



8.4 Removing and installing wheel housing liner (rear)

⇒ ["8.4.1 Removing and installing wheel housing liner \(rear\)", page 276](#)

⇒ ["8.4.2 Removing and installing wheel spoiler \(rear\)", page 276](#)

8.4.1 Removing and installing wheel housing liner (rear)

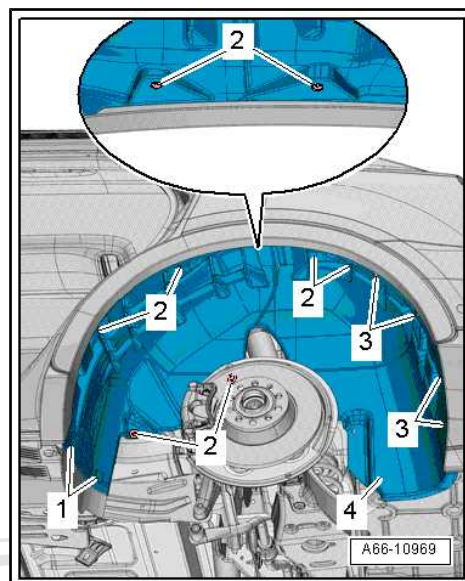
Removing

- Rear wheel removed ⇒ Running gear, axles, steering; Rep. gr. 44 ; Wheels and tyres .
- Remove bolts -1, 2, 3-.
- Take out wheel housing liner -4-.

Installing

- Tightening torques
⇒ ["8.2 Exploded view - wheel housing liner \(rear\)", page 274](#)

Install in reverse order of removal.



8.4.2 Removing and installing wheel spoiler (rear)

Removing

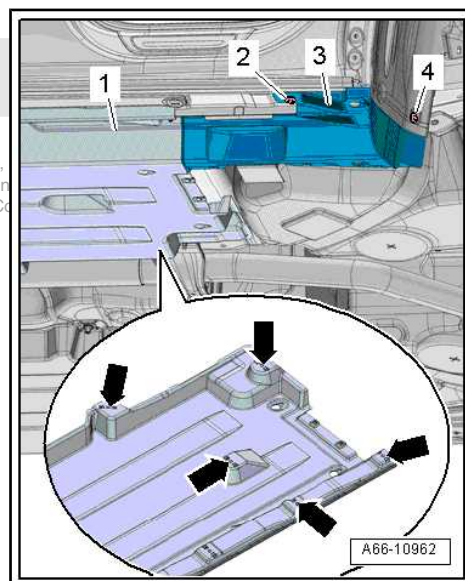
- Remove underbody cover (rear) ⇒ [page 260](#) .
- Unscrew nuts -arrows-.
- Remove bolts -2 and 4-.
- Press cover -1- down slightly and detach wheel spoiler -3-.

Installing

- Tightening torques
⇒ ["8.2 Exploded view - wheel housing liner \(rear\)", page 274](#)

Install in reverse order of removal; note the following:

- Install underbody cover ⇒ [page 260](#) .



9 Model badges and brand emblems

⇒ [“9.1 Exploded view - model badges and brand emblems”, page 277](#)

⇒ [“9.2 Removing and installing front emblem”, page 278](#)

⇒ [“9.3 Removing and installing emblems”, page 279](#)

⇒ [“9.4 Model badges and brand emblems \(bonded on\)”, page 280](#)

9.1 Exploded view - model badges and brand emblems

⇒ [“9.1.1 Exploded view - model badges and brand emblems, vehicles up to model year 2014”, page 277](#)

⇒ [“9.1.2 Exploded view - model badges and brand emblems, vehicles from model year 2015 onwards”, page 278](#)

9.1.1 Exploded view - model badges and brand emblems, vehicles up to model year 2014

1 - Audi rings

- ☐ Removing and installing
⇒ [page 278](#)

2 - RS Q3 emblem

- ☐ Equipment version
- ☐ Removing and installing
⇒ [page 280](#)

3 - quattro emblem

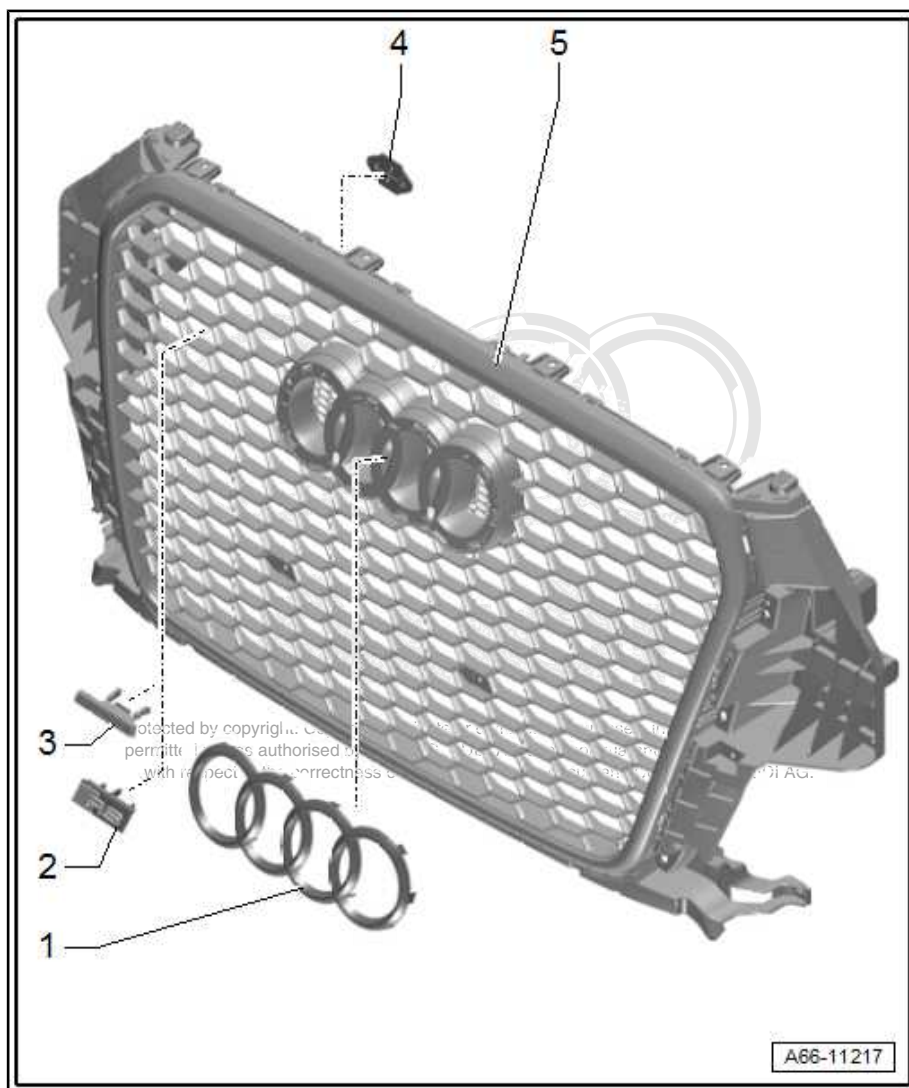
- ☐ Equipment version
- ☐ Removing and installing
⇒ [page 279](#)

4 - Retaining strip

- ☐ For RS Q3 emblem

5 - Radiator grille

- ☐ Exploded view
⇒ [page 214](#)



9.1.2 Exploded view - model badges and brand emblems, vehicles from model year 2015 onwards

1 - Radiator grille

- ☐ Exploded view
⇒ [page 214](#)

2 - Audi rings

- ☐ Removing and installing
⇒ [page 278](#)

3 - quattro emblem

- ☐ Equipment version
- ☐ Removing and installing
⇒ [page 279](#)

4 - RS Q3 emblem

- ☐ Equipment version
- ☐ Removing and installing
⇒ [page 280](#)

5 - Retaining strip

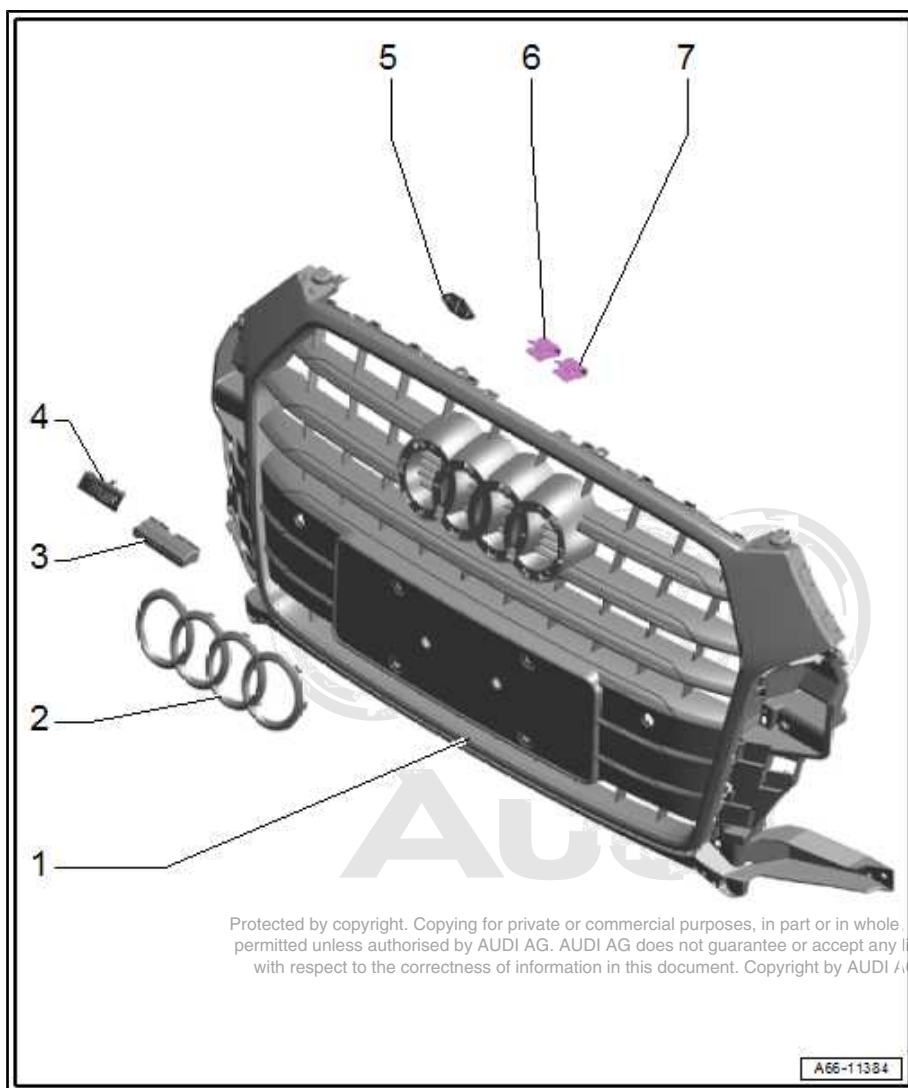
- ☐ For RS Q3 emblem

6 - Retaining clip

- ☐ For quattro emblem

7 - Retaining clip

- ☐ For quattro emblem



9.2 Removing and installing front emblem

Removing

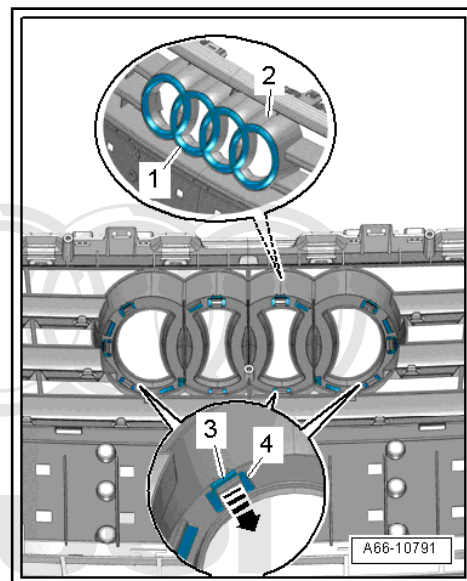
- Remove reinforcement strut ⇒ [page 221](#) .

- Lift securing tab -4- in direction of -arrow- and release retaining catch -3-.
- Detach Audi rings -1- from radiator grille -2-.

Installing

Install in reverse order of removal; note the following:

- Press Audi rings on until they engage audibly.
- Install reinforcement strut ➔ [page 221](#) .



9.3 Removing and installing emblems

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➔ [“9.3.1 Removing and installing quattro emblem - vehicles up to model year 2014”, page 279](#)

➔ [“9.3.2 Removing and installing quattro emblem - vehicles from model year 2015 onwards”, page 279](#)

➔ [“9.3.3 Removing and installing RS Q3 emblem”, page 280](#)

9.3.1 Removing and installing quattro emblem - vehicles up to model year 2014

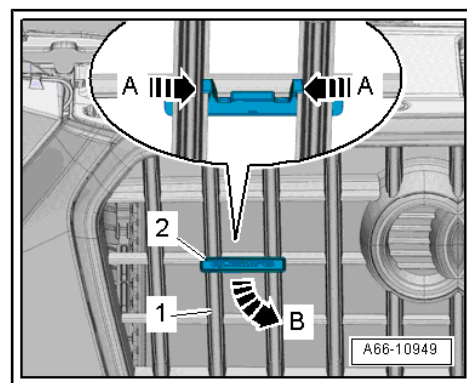
Removing

- Remove lock carrier cover ➔ [page 156](#) .
- Release retaining tabs -arrows A-.
- Turn quattro emblem -2- anti-clockwise -arrow B- and take it out of radiator grille -1-.

Installing

Install in reverse order of removal; note the following:

- Position quattro emblem on radiator grille and press it on until it engages audibly.
- Install lock carrier cover ➔ [page 156](#) .



9.3.2 Removing and installing quattro emblem - vehicles from model year 2015 onwards

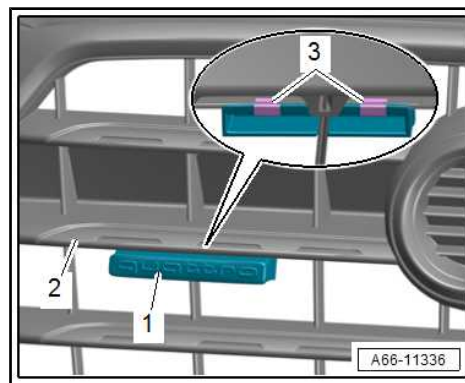
Removing

- Remove lock carrier cover ➔ [page 156](#) .

- Prise off retaining clips -3-.
- Take quattro emblem -1- out of radiator grille -2-.

Installing

Install in reverse order of removal.



9.3.3 Removing and installing RS Q3 emblem

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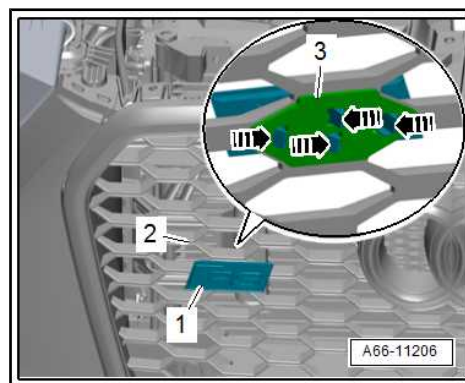
Removing

- Remove lock carrier cover ➔ [page 156](#) .
- Release fasteners -arrows- and detach retaining strip -3-.
- Take RS Q3 emblem -1- out of radiator grille -2-.

Installing

Install in reverse order of removal; note the following:

- Position RS Q3 emblem on radiator grille and press on retaining strip as far as stop.
- The retaining strip can only be pressed on in one position.
- Install lock carrier cover ➔ [page 156](#) .



9.4 Model badges and brand emblems (bonded on)

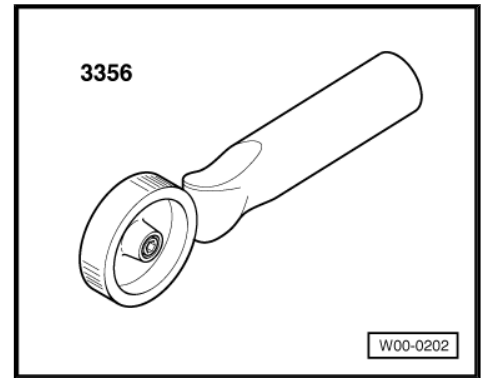


Caution

- ◆ Any model badges and brand emblems that are removed must be renewed.
- ◆ The vehicle must be at room temperature before bonding on model badges and brand emblems.
- ◆ The bonding surfaces on the body must be free of dust, grease and adhesive residue.
- ◆ Clean bonding surfaces with cleaning solution - D 009 401 04- .
- ◆ Heat bonding surfaces with a hot air blower to approx. 40 °C.
- ◆ After installing, press on emblems with roller.

Special tools and workshop equipment required

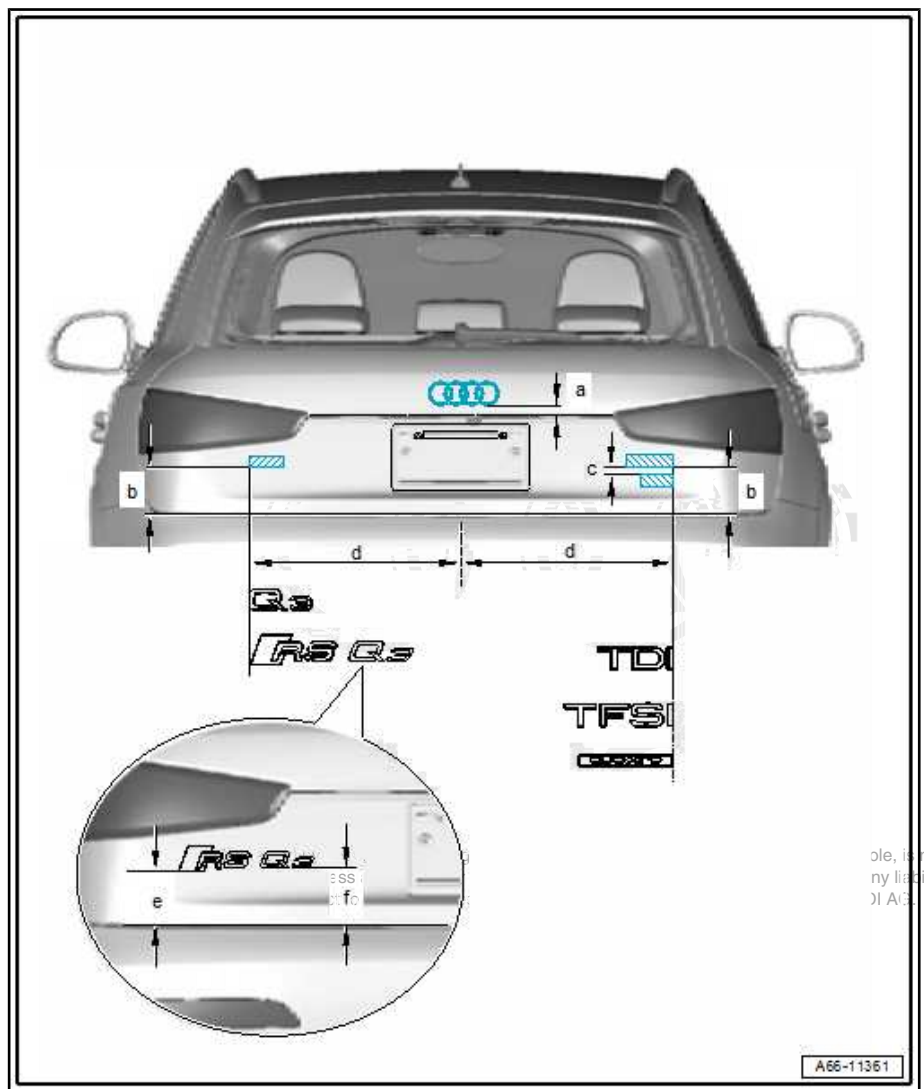
◆ Roller - 3356-



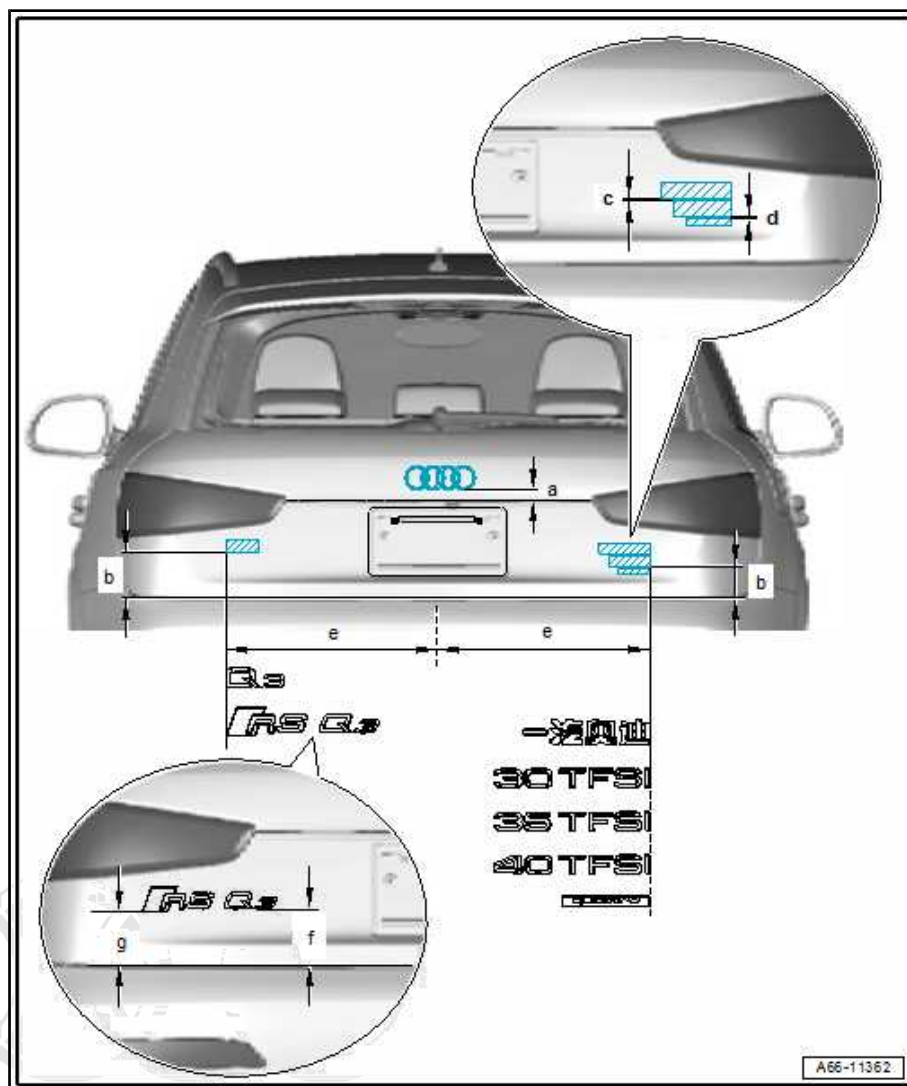
⇒ "9.4.1 Dimensions - rear lid", page 281

⇒ "9.4.2 Dimensions - wing panel", page 282

9.4.1 Dimensions - rear lid



Country-specific version



With parking aid

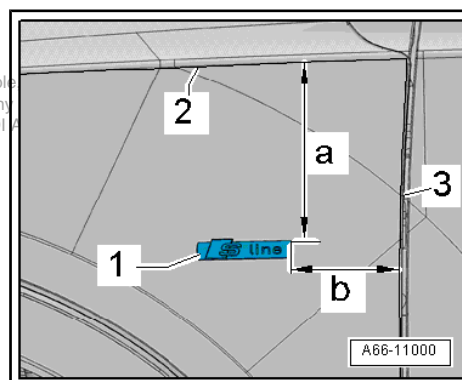
9.4.2 Dimensions - wing panel

- Dimension -a- = 66 mm
- Dimension -b- = 44 mm

-1- »S line« emblem

-2- Reference edge in wing panel

-3- Wing panel



10 Towing bracket

⇒ ["10.1 Exploded view - towing bracket", page 283](#)

⇒ ["10.2 Removing and installing cable mounting bracket", page 285](#)

⇒ ["10.3 Removing and installing retainer for cable mounting bracket", page 286](#)

⇒ ["10.4 Removing and installing towing bracket", page 286](#)

⇒ ["10.5 Renewing cable and microswitch for towing bracket", page 288](#)

⇒ ["10.6 Removing and installing trailer detector control unit J345", page 291](#)

10.1 Exploded view - towing bracket

Exploded view - towing bracket ⇒ [page 283](#)

Exploded view - trailer detector control unit ⇒ [page 284](#)

Exploded view - towing bracket

1 - Grommet

- ☐ For cable

2 - Bolt

- ☐ 4x
- ☐ Tightening torque
⇒ [page 176](#)

3 - Cable

- ☐ For releasing towing bracket

4 - Bolt

- ☐ 2 Nm

5 - Retainer

- ☐ For cable mounting bracket
- ☐ Removing and installing
⇒ [page 286](#)

6 - Mounting bracket

- ☐ For cable
- ☐ Removing and installing
⇒ [page 285](#)

7 - Pull knob

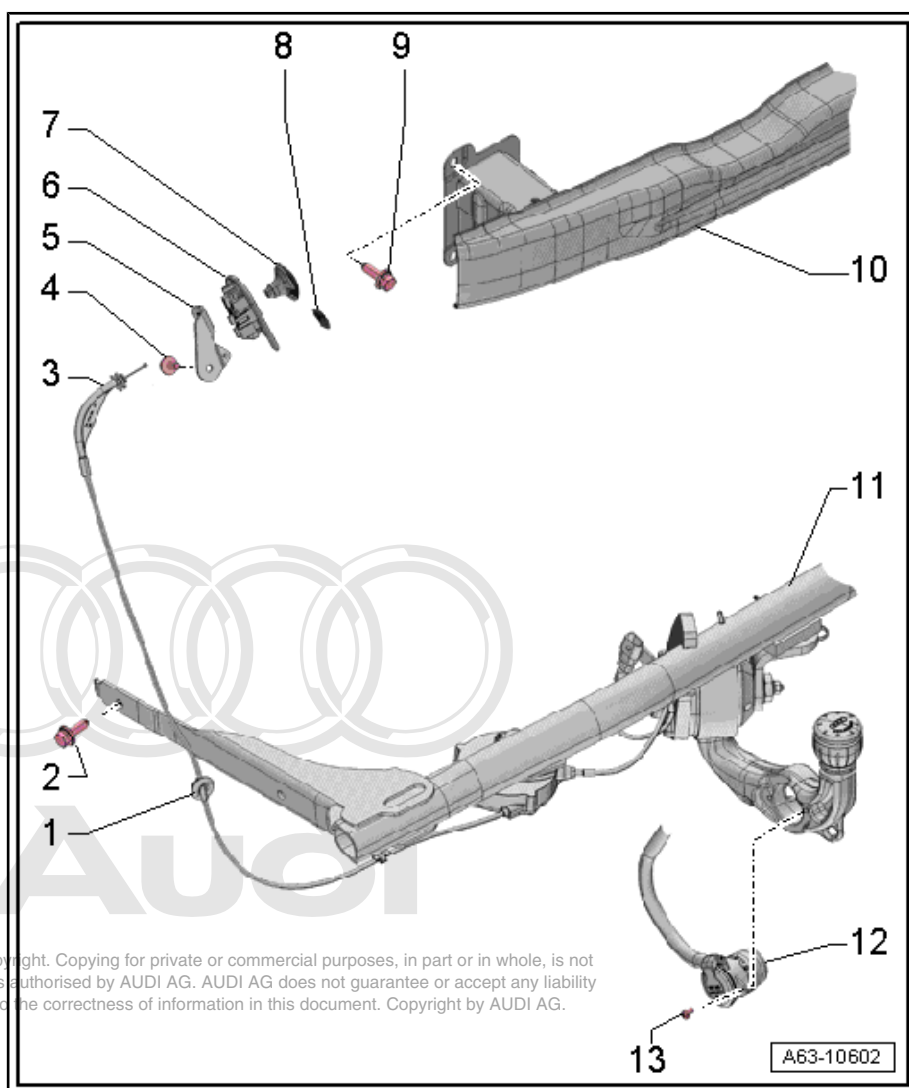
- ☐ For releasing towing bracket
- ☐ Removing and installing
⇒ ["10.2 Removing and installing cable mounting bracket", page 285](#)

8 - Locking clip

- ☐ For pull knob

9 - Bolt

- ☐ Left side: 2x; right side: 4x
- ☐ Tightening torque ⇒ [page 176](#)



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10 - Impact bar

- ☐ For vehicles without towing bracket
- ☐ Exploded view ⇒ [page 176](#)

11 - Impact bar

- ☐ For vehicles with towing bracket
- ☐ Exploded view ⇒ [page 176](#)

12 - Socket

- ☐ Removing and installing ⇒ Electrical system; General information; Rep. gr. 96 ; Towing bracket
- ☐ Pin assignment ⇒ Electrical system; General information; Rep. gr. 96 ; Towing bracket

13 - Bolt

- ☐ 3x
- ☐ 3.5 Nm

Exploded view - trailer detector control unit

1 - LED indicator lamp

- ☐ Towing bracket locked warning lamp - K226- , towing bracket released warning lamp - K227-
- ☐ Indicates whether towing bracket is locked properly
- ☐ Removing and installing ⇒ Electrical system; Rep. gr. 96 ; Towing bracket

2 - Mounting

- ☐ For cable
- ☐ For releasing towing bracket

3 - Trailer detector control unit - J345-

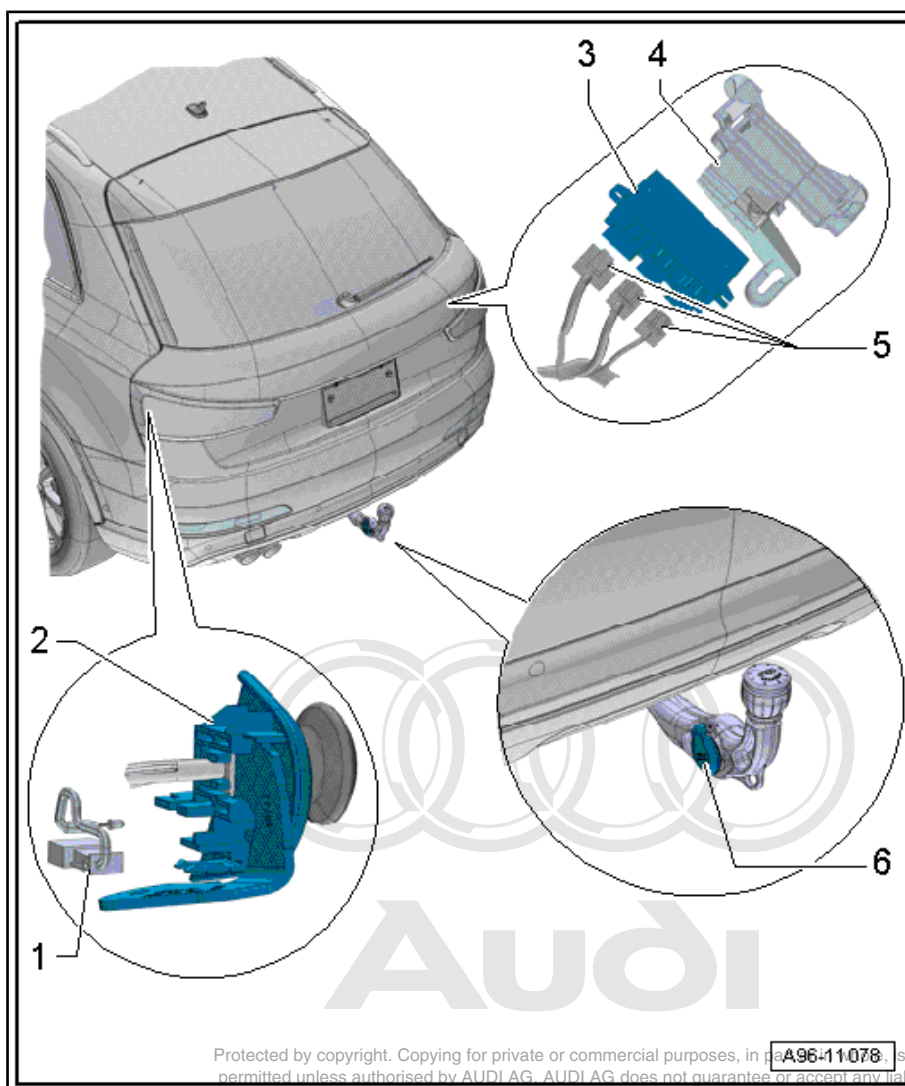
- ☐ Removing and installing ⇒ [page 291](#)

4 - Retaining frame

- ☐ For trailer detector control unit - J345-

5 - Electrical connectors

6 - Trailer socket - U10-



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10.2 Removing and installing cable mounting bracket



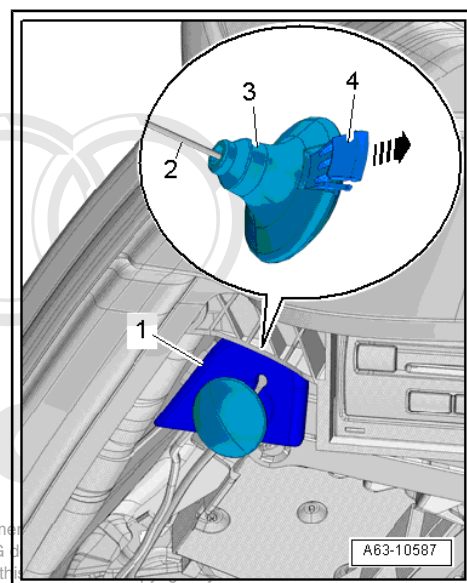
WARNING

Risk of leg injuries.

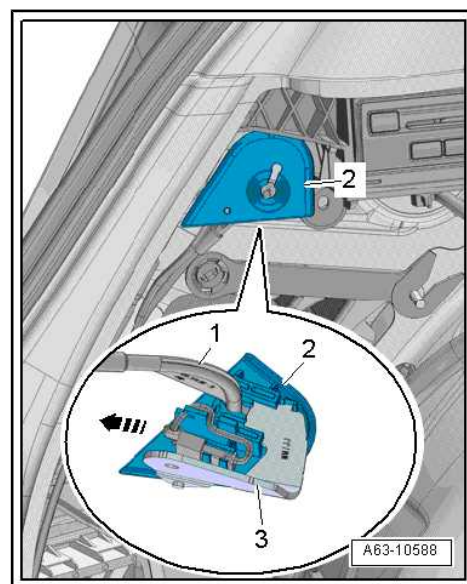
- ◆ *Keep away from the swivel range of the ball coupling when releasing the towing bracket.*

Removing

- Remove cover for luggage compartment side trim (left-side)
⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Exploded view - luggage compartment side trim .
- Pull out pull knob -3- at mounting bracket -1- and prise off locking clip -4- using a small screwdriver -arrow-.
- Remove cable -2- from pull knob.



- Pull cable mounting bracket -2- with cable support bracket -1- downwards off retainer -3- -arrow-.

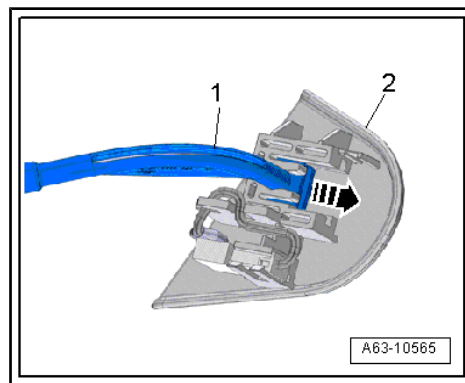


- Unplug electrical connector.
- Press cable support bracket -1- out of mounting bracket -2- -arrow-.

Installing

Install in reverse order of removal; note the following:

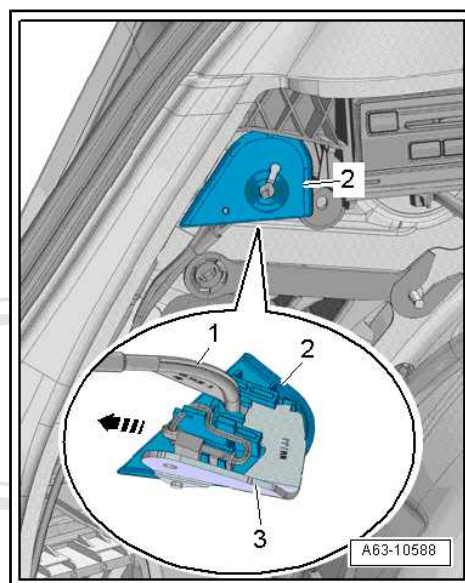
- Install luggage compartment side trim ⇒ General body repairs, interior; Rep. gr. 70 ; Luggage compartment trim panels; Exploded view - luggage compartment side trim .



10.3 Removing and installing retainer for cable mounting bracket

Removing

- Pull cable mounting bracket -2- with cable support bracket -1- downwards off retainer -3- -arrow-.



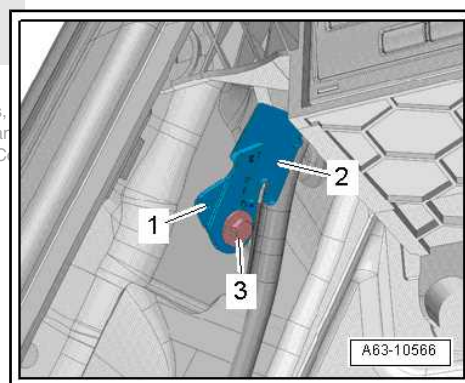
- Unscrew bolt -3- and detach bracket -2-.

Installing

- Tightening torque Protected by copyright. Copying for private or commercial purposes, permitted unless authorised by AUDI AG. AUDI AG does not guarantee with respect to the correctness of information in this document. C
 ⇒ ["2.2 Exploded view - impact bar", page 176](#)

Install in reverse order of removal; note the following:

- Tab -1- on retainer must engage in recess in body.
- Install cable mounting bracket ⇒ [page 285](#) .



10.4 Removing and installing towing bracket

1 - Towing bracket

☐ Removing

- Remove bumper cover (rear) ➤ [page 177](#) .
- Pull control unit in right side panel out of retaining frame and unplug electrical connector.
- Release cable retainers, move wiring harness clear and push grommet -4- through to outside.
- Disengage cable from retainer ➤ [page 285](#) and take out of vehicle.
- Remove bolts -3-.
- Pull out impact bar -3- together with a second person.

2 - Cable

- Detach cable from mounting bracket ➤ [page 285](#) .

3 - Bolt

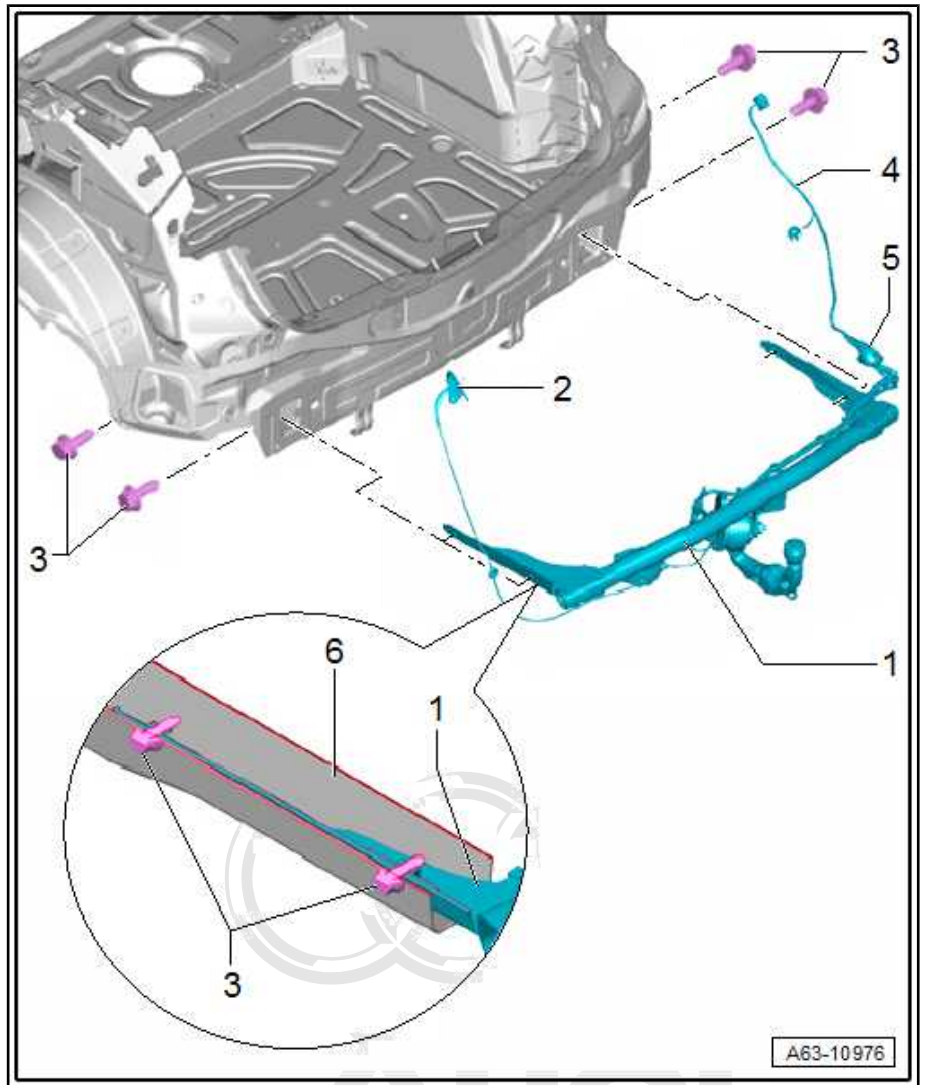
- ☐ 75 Nm

4 - Electrical wiring

5 - Grommet

- ☐ When installing, make sure grommet is seated correctly.

6 - Longitudinal member



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10.5 Renewing cable and microswitch for towing bracket



Note

The cable and the microswitch can be renewed separately.

1 - Cable

- ☐ Removing
 - Towing bracket removed
 - Remove bolts -4- and detach cover -3- with seal -2-
 - Guide cable out of cable cam -10- and pull it out of retainer ➔ [page 289](#)
 - Remove drive mechanism for cable ➔ [page 290](#)
- ☐ Installing
 - Install in reverse order of removal.

2 - Seal

- ☐ Pressed into cover; not available as separate replacement part

3 - Cover

- ☐ Openings for cables must be lubricated before cover is installed ➔ [page 289](#)

4 - Bolt

- ☐ 1.5 Nm

5 - Drive mechanism for cable

- ☐ Removing and installing ➔ [page 290](#)

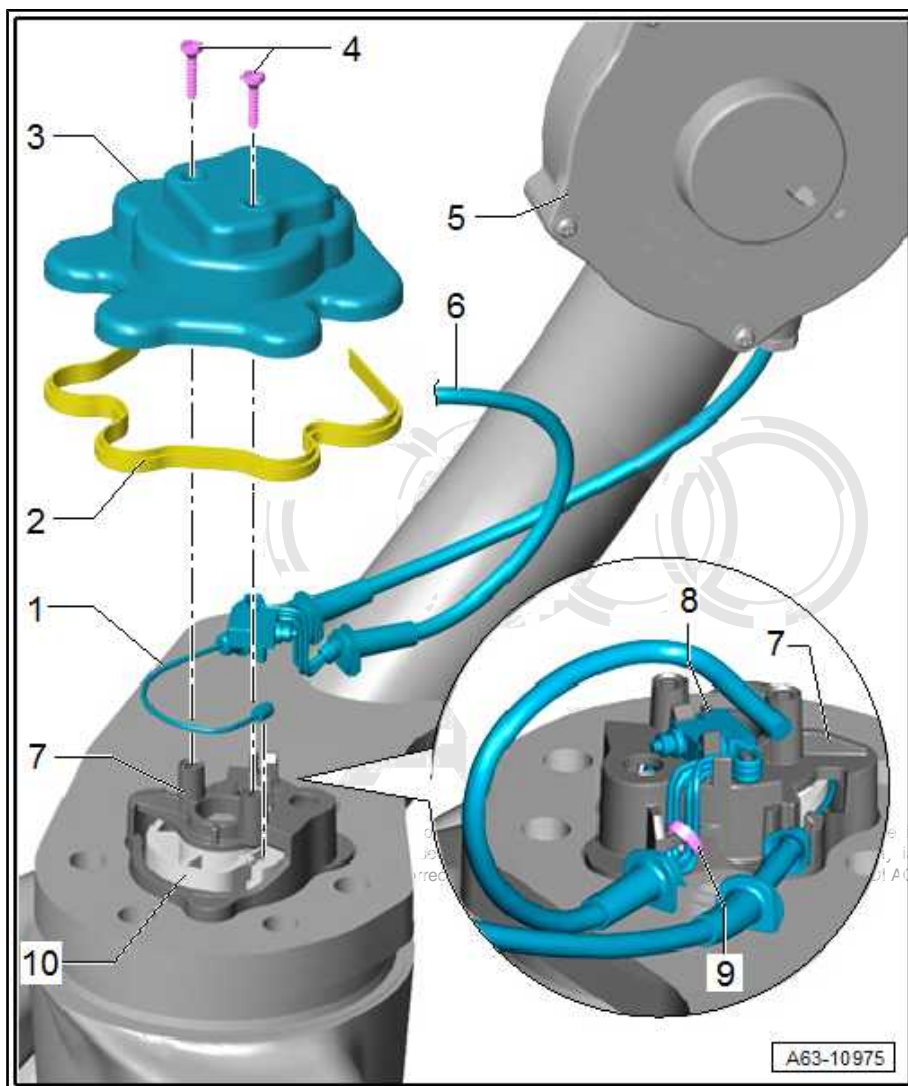
6 - Electrical wiring and microswitch

- ☐ Disconnect electrical wiring at connector.
- When installing, wiring must be routed as shown ➔ [page 290](#).

7 - Bracket

8 - Microswitch

- ☐ Removing and installing
 - Towing bracket removed





Caution

When removing the microswitch, proceed carefully when bending open the retaining clips to ensure that they do not break.

If the retaining clips break, the towing bracket must be renewed.

- Release cable tie -9- and unclip microswitch -8- ➔ [page 290](#) .
- Press into bracket as illustrated.
- ☐ When installing, ensure that electrical wiring is routed correctly ➔ [page 290](#) .

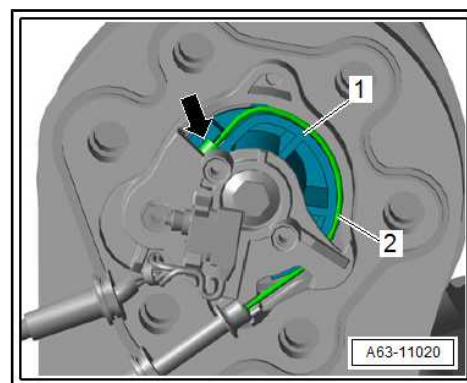
9 - Cable tie

- After installing, secure electrical wiring with cable tie at the same location.

10 - Cable cam

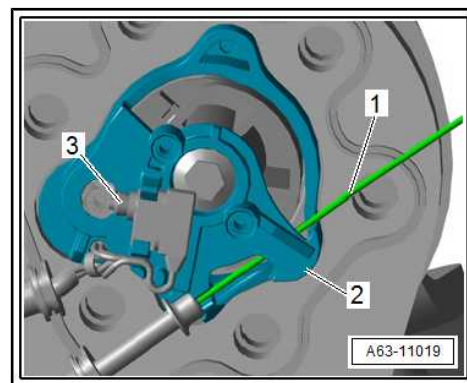
Disengaging cable from cable cam

- Disengage cable -2- with nipple -arrow- from cable cam -1-.

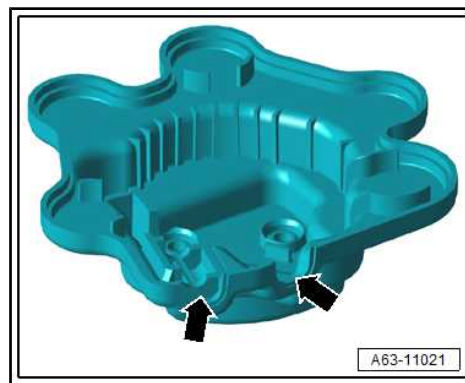


- Pull cable -1- out through bracket -2-.

Lubricating cover



- Openings for cables -arrows- on cover must be lubricated with plenty of silicone grease - G 000 405 A2- .



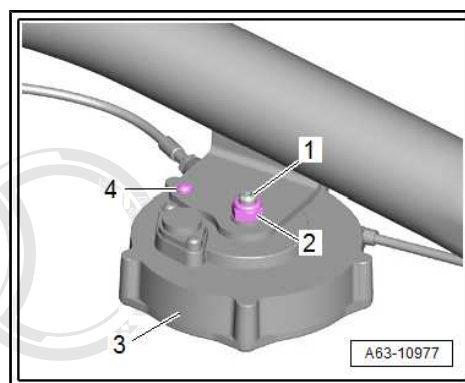
Removing and installing drive mechanism for cable

Removing

- Remove nut -2- while at the same time counterholding threaded pin -1- using a hexagon key.
- Unscrew bolt -4-.

Installing

- First insert drive mechanism -3- and then hand-tighten nut -2-.
- Tighten bolt -4- to 1.5 Nm.
- Tighten nut -2- to 10 Nm while at the same time counterholding threaded pin -1- using a hexagon key.



Removing and installing microswitch

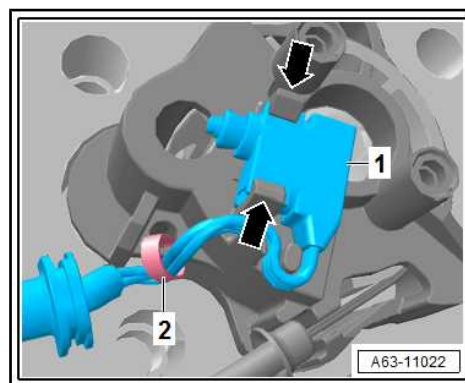
- Cover removed.
- Disconnect electrical wiring at connector.



Caution

- *When removing the microswitch, proceed carefully when bending open the retaining clips -arrows- to ensure that they do not break.*
- *If the retaining clips break, the towing bracket must be renewed.*

- To remove, detach cable tie -2-.
- Carefully bend retaining clips -arrows- open, unclip microswitch -1- from bracket and detach upwards.
- When installing, route electrical wiring as shown in illustration and secure with cable tie.
- Press microswitch into retaining clips.



10.6 Removing and installing trailer detector control unit - J345-

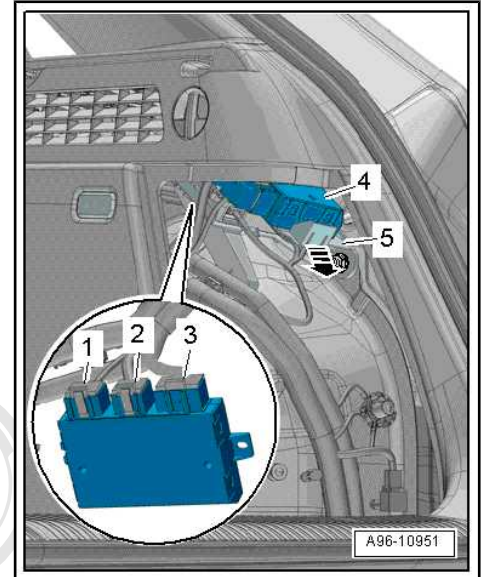
- If renewing the control unit, select the function "Replace control unit" for the corresponding control unit ⇒ Vehicle diagnostic tester.

Removing

- Remove cover for luggage compartment side trim (right-side).
- Release retaining clip -arrow-.
- Pull control unit -4- out of retaining frame.
- Unplug electrical connectors -1, 2, 3-.

Installing

Install in reverse order of removal.



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