



Installation instructions

Audi A6 Saloon 2011 ▶

Audi A6 Avant 2012 ▶

Audi A6 allroad quattro 2012 ▶

Audi A7 Sportback 2011 ▶

**Swivelling towing bracket (ECE),
for package number 4G0.092.157.* and
4G9.092.157.***

**Mechanical scope, part number 4G0.092.160.*
and 4G9.092.160.***

Audi Genuine Accessories®

Edition 03.2012



Contents

1	General notes	1
2	Notes on towing bracket — Fitting and operation	2
3	Component overview	5
3.1	Additional required parts	5
4	Assembly overview and tightening torques	7
4.1	Trailer towing coupling with cross member	7
4.2	Bumper	9
4.3	Assembly overview of luggage compartment side trim	11
4.4	Other tightening torques	13
5	Preparations	14
5.1	Removing the outside tail light	15
5.2	Removing the luggage compartment cover and load guard (equipment variant) — A6 Avant	15
5.3	Removing the front shelf — A7 Sportback	16
5.4	Removing the luggage compartment floor mat	16
5.5	Removing the rear cross panel trim	16
5.6	Removing the lashing eyes — Saloon and Sportback	17
5.7	Removing the load rails	17
5.8	Removing suit hanger — equipment variant	18
5.9	Loosen the luggage compartment side trim at the left and right	18
5.10	Removing the subwoofer -R211- — equipment variant	19
5.11	Removing the rear bumper cover	19
5.12	Removing the impact bar	21
6	Fitting the towing bracket	22
6.1	Fitting the towing bracket	22
6.2	Cutting out the opening required for the ball rod	24
6.3	Installing the electrics set for the swivelling towing bracket	25
6.4	Assembling the vehicle	25
6.5	Connecting the battery	26
6.6	Finishing the assembly work	27
6.7	Adjusting the cooling system	28



1 General notes

Please read and take note of these WARNING, Caution and Note descriptions before carrying out maintenance or repair work.

 **WARNING**

Text with this symbol contains information concerning your safety and indicates potential accident and injury risks.

 **Caution**

Text with this symbol indicates the risk of damage to your vehicle.

 **Note**

Text with this symbol contains additional information.

 **Caution**

Towing mode places increased demands on the cooling system.

- ◆ *The cooling system must be adapted to the vehicle operating conditions ⇒ **Page 28.***

Special tools are required for assembly. Improper installation can cause damage to the vehicle or the add-on parts.

 **WARNING**

For safety reasons, the towing bracket must only be fitted by skilled personnel — risk of accident!

AUDI AG will not accept responsibility in the event of failure to comply with these assembly instructions.



2 Notes on towing bracket — Fitting and operation

Towing vehicle

Manufacturer: AUDI AG
 Model: A6 2011 ▶
 A6 allroad 2012 ▶
 A7 2011 ▶
 Type: 4G

Maximum trailer weight or trailer drawbar load in kg, as specified by the manufacturer for the above model: ⇒ vehicle registration certificate/Owner's Manual.

Towing bracket:

Technical data	Vehicles with steel-spring suspension	Vehicles with air suspension	Allroad vehicles
Oris model code	A50 - X - E 475	A50 - X - E 476	A50 - X - E 489
EU No.:	e1 00-1945	e1 00-1946	
ECE No.:	E1 55R-01 1945	E1 55R-01 1946	E1 55R-01 2127
D-value:	12.1 kN	12.1 kN	12.6 kN
Permitted trailer drawbar load:	85 kg	85 kg	100 kg

Please see your vehicle documents for your maximum trailer weight.

 **WARNING**

Do not exceed the verified D-value and the permitted trailer drawbar load — risk of accident!

The towing bracket is intended for towing trailers fitted with a tow ball and for operating carriers suitable for mounting to the coupling ball.

Nationally applicable regulations must be adhered to in EU and non-EU countries.

Improper use is prohibited.

Use is only permitted under favourable road conditions and must be adapted to road conditions.



Fitting

WARNING

For safety reasons, the towing bracket must only be fitted by skilled personnel — risk of accident!

- ***If replacement parts are required, these must only be installed by skilled personnel and to undamaged genuine parts — risk of accident!***
- ***Installation must be in line with AUDI AG/VW AG guidelines — risk of accident!***
- ***Modification of the towing bracket is prohibited. This will invalidate the type approval — risk of accident and legal implications!***
- ***Use of the mounting points approved as standard by the vehicle manufacturer is mandatory — risk of accident!***

Caution

Towing mode places increased demands on the cooling system.

- ◆ ***Please consult a qualified AUDI AG/VW AG workshop should modifications to the cooling system be required. Further notes can be found in the „towing mode“ guidebook.***
- Remove underbody sealing, body cavity sealant (wax) or insulation material from the area around the contact surfaces of the towing bracket with the vehicle.
- In order to provide adequate corrosion protection to bare metal body parts, apply the following products with a brush.
 - ◆ Single-component primer filler/surfacer LGF.008.001.42/A3
 - ◆ Two-component vario filler/surfacer, grey LGF.786.004.A3
 - ◆ Paint to match the vehicle colour
 - ◆ Body cavity preserving agent D.330.KD2.A1

Operation



⚠ WARNING

Vehicle handling is affected by the use of towing mode; increased driver awareness is required — risk of accident!

- **Read and observe the notes in the „Towing mode“ chapter ⇒ vehicle Owner's Manual — risk of accident!**
- **If you are using trailer stabilisers, the coupling ball must be free from grease. Read and observe the notes in the relevant Owner's Manuals — risk of accident!**

The diameter of the ball coupling must be checked at regular intervals.

- **For safety reasons, use of the towing bracket must be discontinued if the diameter reaches 49 mm at any point. If this situation occurs, contact a qualified workshop — risk of accident!**

For safety reasons, you are advised to swivel the ball rod inwards when not in use — risk of accident!

⚠ Caution

The ball coupling must always be kept clean. A cover must be used.

i Note

- ◆ *The towing bracket including all assembly parts weighs approx. 27 kg.*
- ◆ *Please note that the kerb weight of your vehicle will increase by this amount once the towing bracket is fitted.*
- ◆ *Please make sure that you do not exceed the gross vehicle weight rating for your vehicle.*

i Note

Use the towing bracket when towing.



3 Component overview

1 - Bolts (3x)¹⁾

- Part number ⇒ „Additional required parts“ on page 5
- 2 Nm

2 - Pull knob (release)¹⁾

- Part number ⇒ „Additional required parts“ on page 5

3 - Bolt, M10x45 (4x)

4 - Trailer towing coupling with cross member

5 - Type plate

- Bonded to the cross member

6 - „Towing with towing bracket“ sticker

7 - „Trailer drawbar load“ sticker

8 - Gloves

9 - Cable grommet

Note the marking on the cable during assembly!

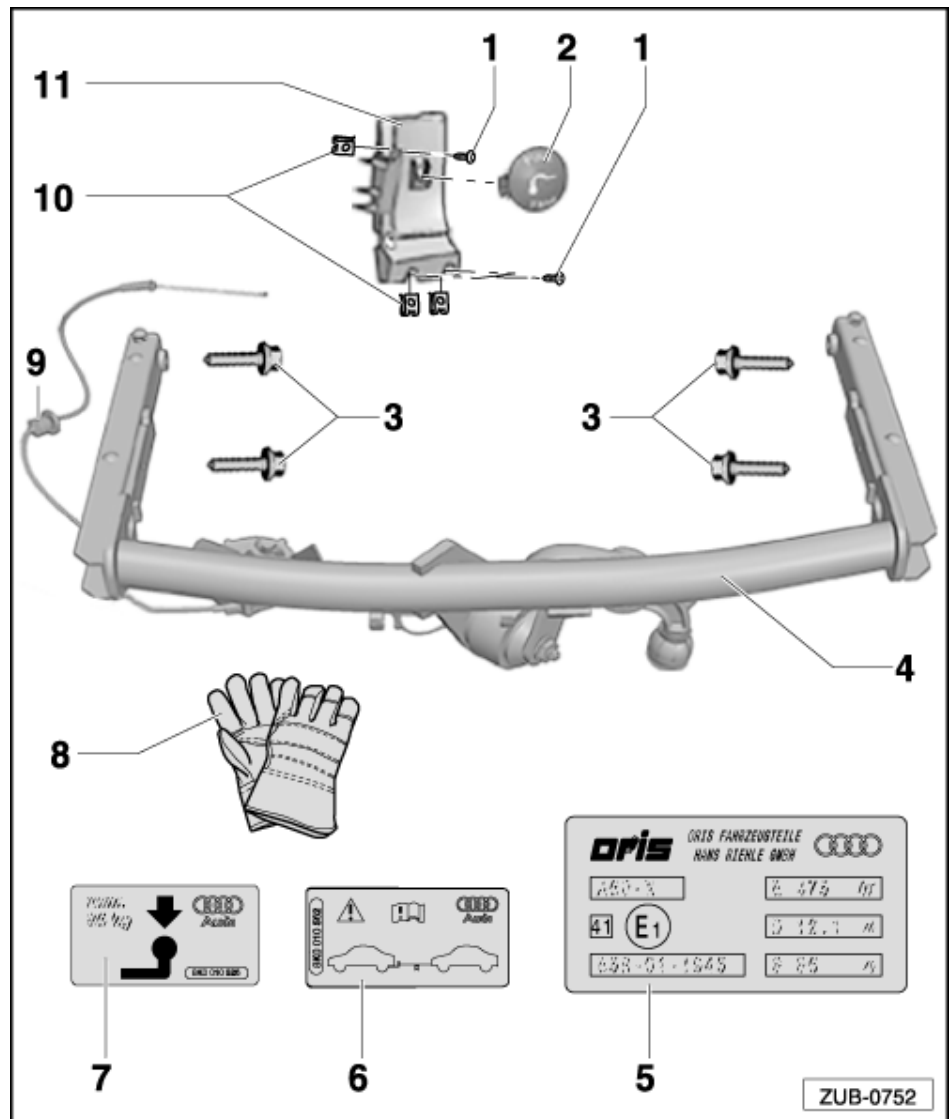
- ◆ A = Avant
- ◆ C = Sportback
- ◆ L = Saloon

10 - Snap nuts (3x)¹⁾

- Part number ⇒ „Additional required parts“ on page 5

11 - Grip plate¹⁾

- Part number ⇒ „Additional required parts“ on page 5



3.1 Additional required parts

Depending on the version and equipment variant, the following additional parts must be ordered:

¹⁾ Not included in the scope of delivery.



For all vehicles

Quantity	Part number	Component
3	N 106.847.01	Torx bolt, M5X20
3	N 907.777.04	Snap nut, M5
1	4G0.813.961	Pull knob

For the Audi A6 Saloon

Quantity	Part number	Component
1	4G5.813.685	Saloon grip plate

For the Audi A6 Avant/Allroad

Quantity	Part number	Component
1	4G9.913.685	Avant/Allroad grip plate

For the Audi A7 Sportback

Quantity	Part number	Component
1	4G8.813.685	Sportback grip plate

On vehicles without 1D8 equipment (preparation for towing bracket), the following can also be used as required:

Diffuser and add-on parts ⇒ Audi Parts Service (ETKA), image 807-60

Mechanics service parts ⇒ Audi Parts Service (ETKA), image 804-50

Electrics service parts ⇒ Audi Parts Service (ETKA), image 945-50



4 Assembly overview and tightening torques

4.1 Trailer towing coupling with cross member

1 - Bolts (6x)

- ❑ After removing the impact bar ⇒ **Item 2**, screw in the bolts again using bodywork sealant (seal the opening) ⇒ Fig. „Sealing the body fold and unsealed openings“ on page 8.
- ❑ 30 Nm (for sealing openings)

2 - Impact bar

- ❑ No longer required once the towing bracket is fitted

3 - Trailer towing coupling with cross member

- ❑ Assembly ⇒ „Fitting the towing bracket“ on page 22

4 - Bolt, M10x45 (4x)

- ❑ Tightening torque and sequence ⇒ Fig. „Towing bracket — tightening torque and sequence“ on page 8

5 - Grommet

- ❑ Used for catch cable

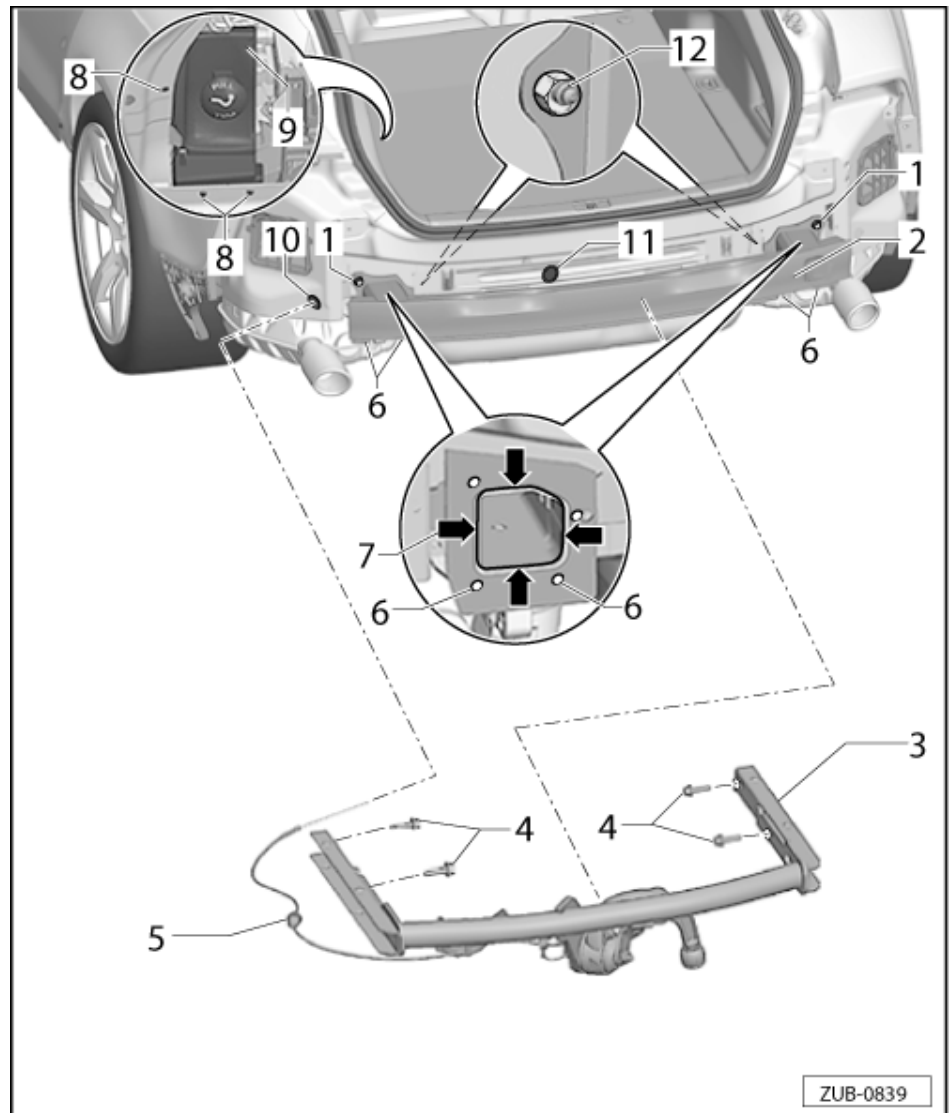
Note the marking on the cable during assembly!

- ◆ A = Avant
- ◆ C = Sportback
- ◆ L = Saloon

6 - Bolts (4x)

- ❑ After removing the impact bar ⇒ **Item 2**, screw in the bolts again using bodywork sealant (seal the opening) ⇒ Fig. „Sealing the body fold and unsealed openings“ on page 8.

7 - Body fold





- ❑ When assembling the towing bracket, the body fold must be sealed ⇒ Fig. „Sealing the body fold and unsealed openings“ on page 8.

8 - Bolts (3x)

- ❑ 2 Nm

9 - Grip plate

- ❑ Installed in the luggage compartment behind the side trim flap
- ❑ With trailer towing attachment locked warning lamp -K226-/trailer towing attachment released warning lamp -K227-
- ❑ Installation ⇒ „Installing the cable mount“ on page 23

10 - Body opening

- ❑ Used for catch cable

11 - Body opening

- ❑ Used for wire to trailer socket

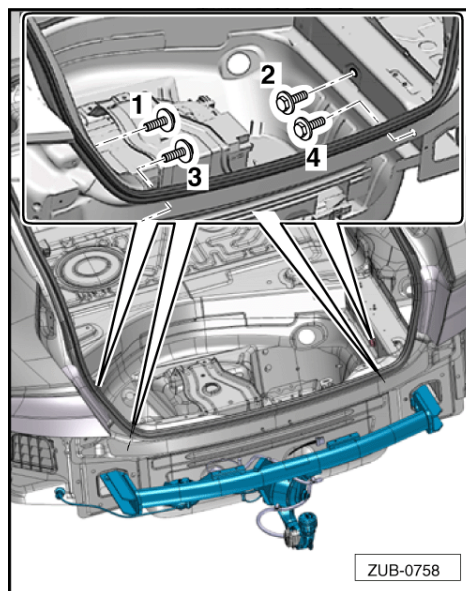
12 - Nuts (2x)

- ❑ After removing the impact bar ⇒ Item 2, seal the openings using the nuts and bolts 6 ⇒ Fig. „Sealing the body fold and unsealed openings“ on page 8!

Towing bracket — tightening torque and sequence

- Tighten the bolts in the following sequence: -1, 2, 3, 4-.

Component	Nm
Bolts -1, 2, 3, 4-	50+90°



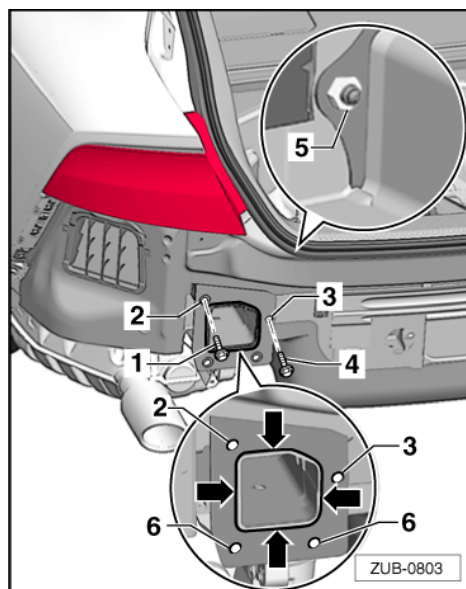
Sealing the body fold and unsealed openings

⚠ Caution

The body fold and unsealed openings must be sealed using a suitable bodywork sealant (e.g. Therolan, light/dark) to prevent any moisture from entering them.

- Seal the body fold -arrows- and tapped openings -6- with bodywork sealant.
- Apply the bodywork sealant to seal the finish before inserting the bolts marked -2- and -3-.

Component	Nm
Bolts -1, 4-	30





4.2 Bumper

1 - Bumper cover — Saloon/Avant

- Removal and installation ⇒ [Page 19](#)
- Prior to assembly, cut out the opening required to swivel out the ball rod. ⇒ [Page 24](#)

2 - Bumper cover — Sportback

- Removal and installation ⇒ [Page 19](#)
- Prior to assembly, cut out the opening required to swivel out the ball rod ⇒ [Page 24](#)

3 - Bolts (3x)

- 1.7 Nm
- The centre bolt is no longer needed once the opening required to swivel out the ball rod has been cut out

4 - Bolts (6x)

- 2 Nm

5 - Bolts (2x) — Saloon/Avant

- 2 Nm

6 - Catch — Saloon/Avant

- Use to release the locking pin ⇒ [Item 7](#), pull upwards to remove.

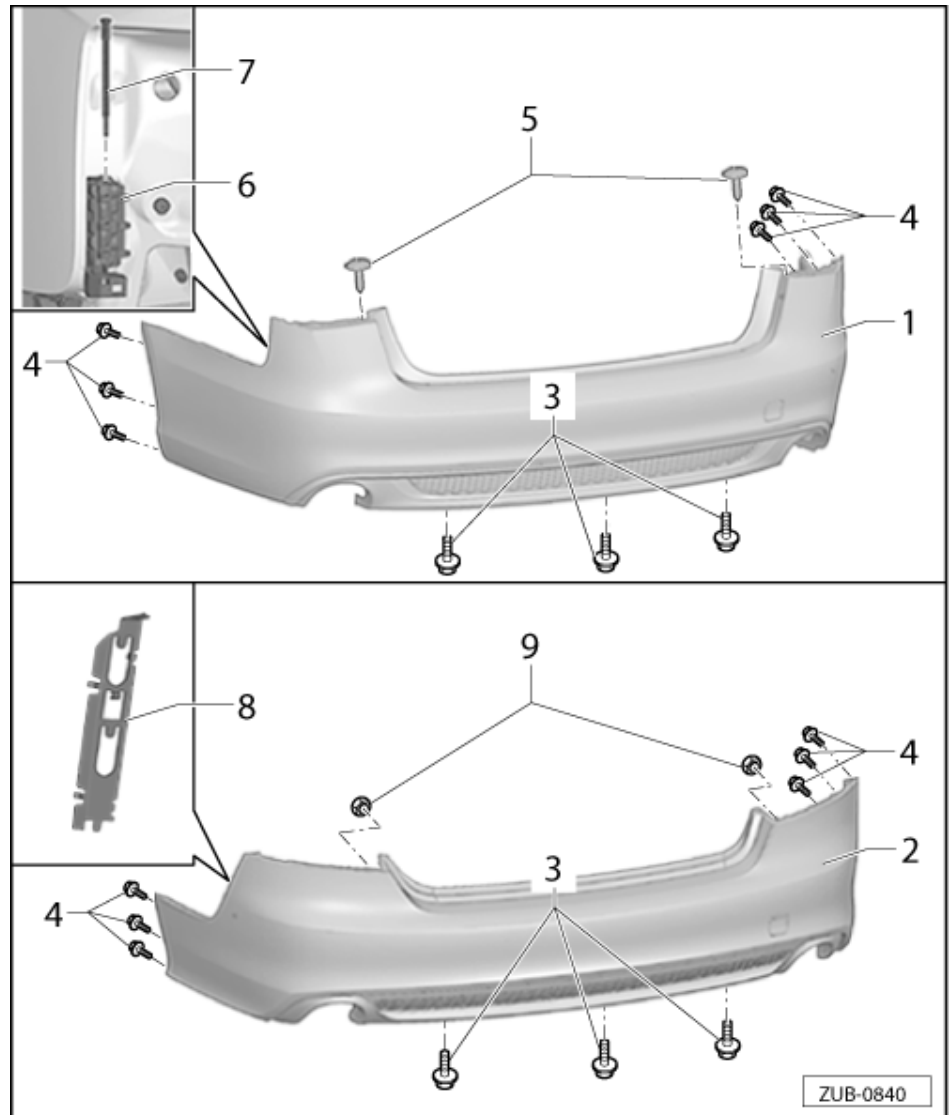
7 - Locking pin — Saloon/Avant

8 - Retaining plate — Sportback

- Used to secure the bumper cover to the vehicle

9 - Nut (2x) — Sportback

- 4 Nm





Allroad vehicles

Note

Only deviations from the process relevant to the standard bumper are described here

1 - Rear bumper

- This part is removed and installed in the same manner as standard bumpers.
- This part does not need to be removed in order to remove the spoiler and front guard.

2 - Screw

- 2 Nm

3 - Screw

- 2 Nm

4 - Spoiler

- Bumper remains assembled.
- Remove screws -2- and -5- and pull the spoiler with front guard out of the bumper.

5 - Screw

- 2 Nm

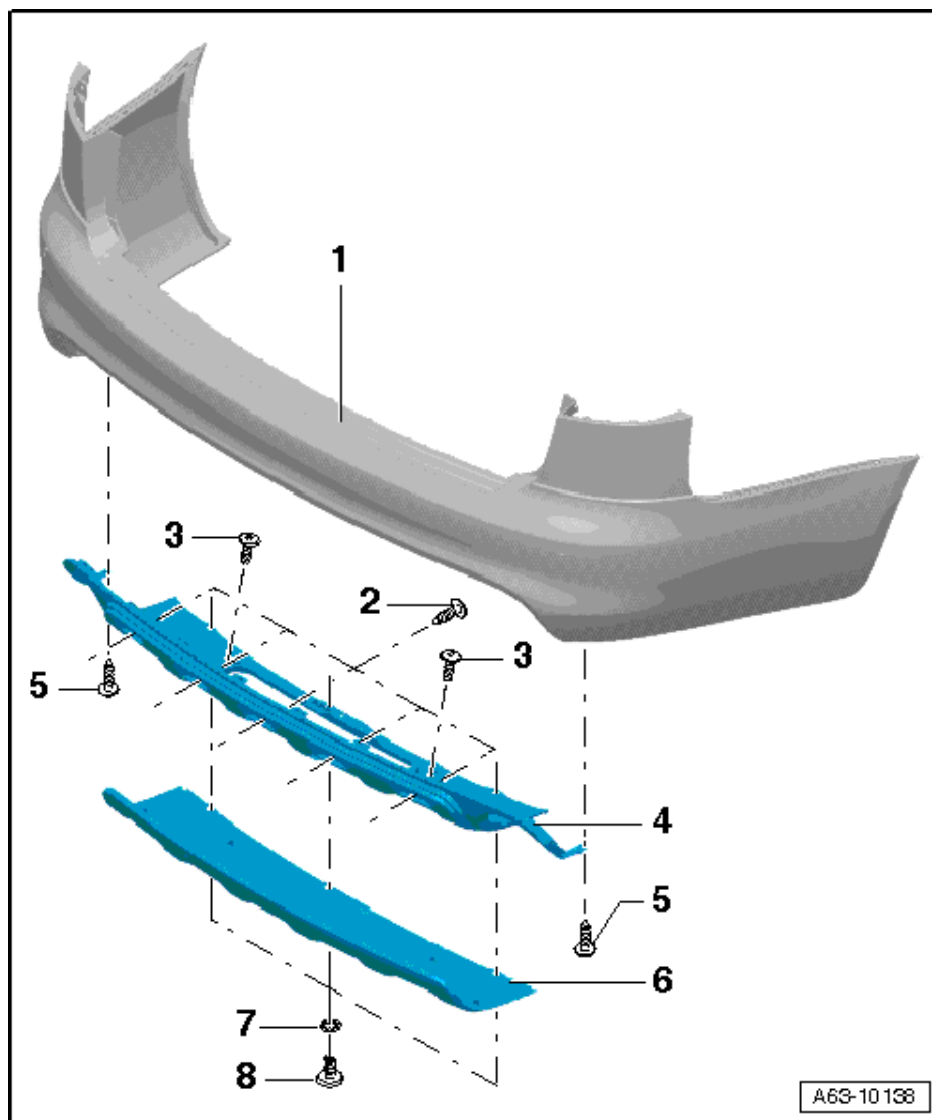
6 - Front guard

- Bumper remains assembled.
- Spoiler removed.
- Remove screws -3- and -8- and pull the front guard out of the catch mechanisms.

7 - Washer

8 - Quick-connect bolt

- 4 Nm

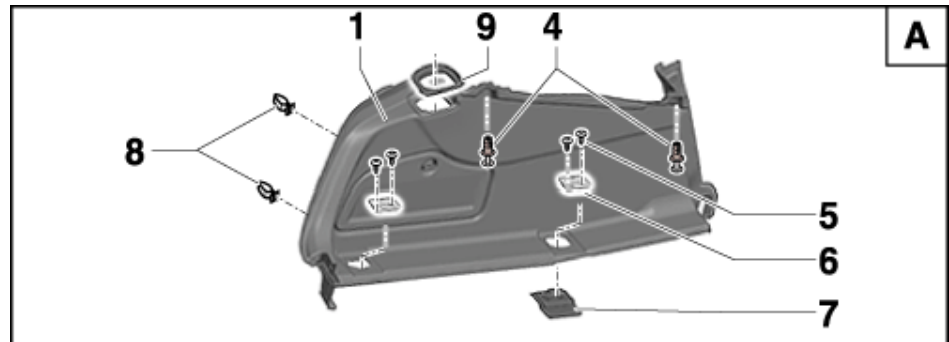




4.3 Assembly overview of luggage compartment side trim

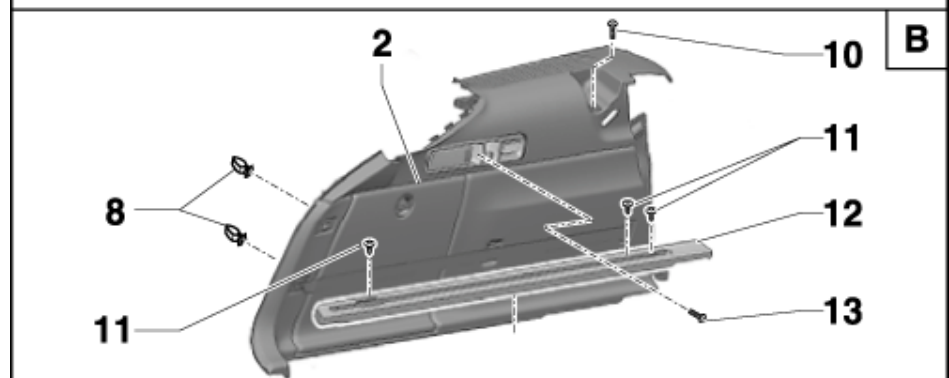
1 - Luggage compartment side trim — Saloon

- Loosen ⇒ „Loosen the luggage compartment side trim at the left and right.“ on page 18
- Press on until trim engages audibly



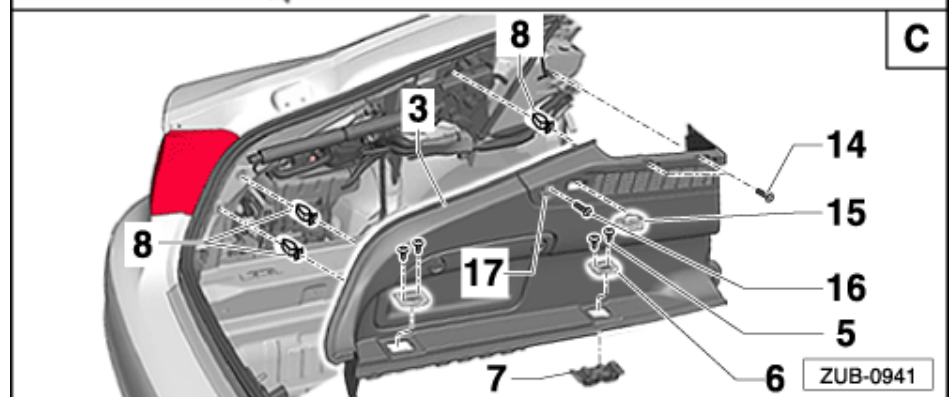
2 - Luggage compartment side trim — Avant

- Loosen ⇒ „Loosen the luggage compartment side trim at the left and right.“ on page 18
- Detach the backrest release cable mount. ⇒ Fig. „Detaching the backrest release cable mount“ on page 12
- Press on until trim engages audibly



3 - Luggage compartment side trim — Sportback

- Loosen ⇒ „Loosen the luggage compartment side trim at the left and right.“ on page 18
- Press on until trim engages audibly



4 - Expander clips — Saloon

5 - Bolts (4x)

- 6 Nm

6 - Lashing eye (2x)

- Removal and installation ⇒ „Removing the lashing eyes — Saloon and Sportback“ on page 17

7 - Anchor (2x)

- For lashing eye

8 - Fasteners

- Saloon (2x)
- Avant (2x)
- Sportback (3x)
- Insert into the trim
- Remove any clips from the attachment points on the body and place them in the trim for installation.



- ❑ Replace any damaged or deformed clips.

9 - Trim panel — Saloon

- ❑ Remove before removing the side trim

10 - Bolt (1x) — Avant

- ❑ 2 Nm

11 - Bolts (3 x) — Avant

- ❑ 4 Nm

12 - Support rail — Avant

- ❑ Removal ⇒ „Removing the load rails“ on page 17

13 - Bolt (1x) — Avant

- ❑ 2 Nm

14 - Bolts (2x) — Sportback

- ❑ 2 Nm

15 - Luggage compartment light — equipment variant

16 - Suit hanger bolt — equipment variant

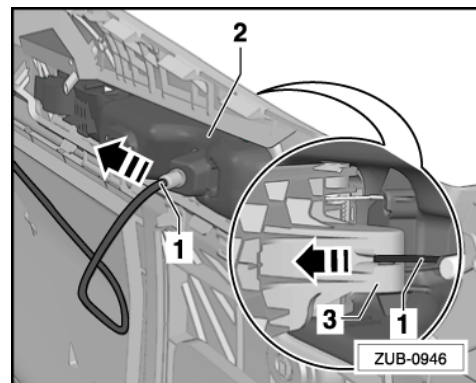
- ❑ 2.5 Nm

17 - Suit hanger — equipment variant

- ❑ Removal ⇒ „Removing suit hanger — equipment variant“ on page 18

Detaching the backrest release cable mount

- Unclip the cable mount -1- from the side trim -2-.
- Pull out the cable mount nipple -1- from the lever -3-.

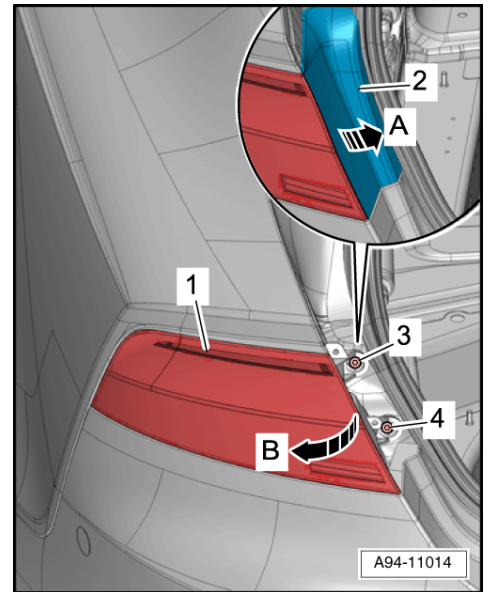




4.4 Other tightening torques

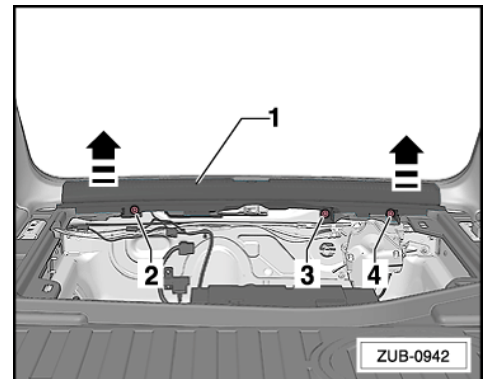
Outside tail light

Component	Nm
Bolts -3, 4-	3,5



Rear cross panel — Avant

Component	Nm
Bolts -2, 3, 4-	3,5



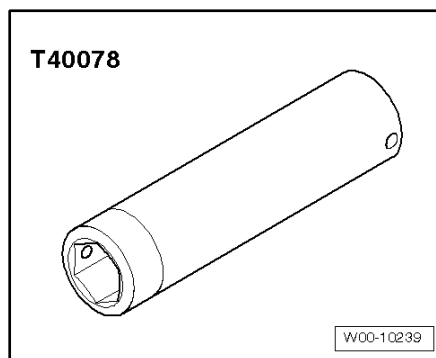


5 Preparations

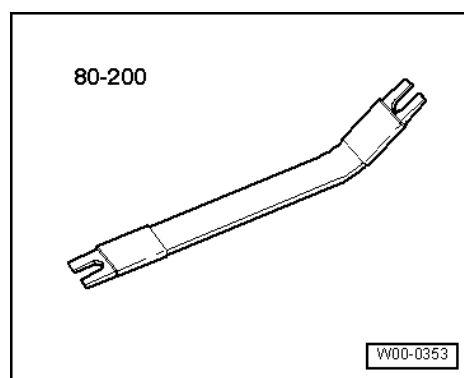
The preparations and procedure for assembling the towing bracket on the Audi A6 and Audi A7 are largely identical. The assembly procedure for the Audi A7 is described on the pages that follow. Any differences are indicated separately.

Special tools and workshop equipment required

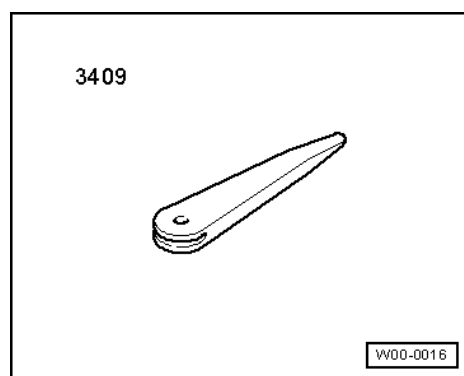
- ◆ Plug insert -T40078-
- ◆ Hook -T40207-



- ◆ Removal lever -80 - 200-



- ◆ Removal wedge -3409-



WARNING

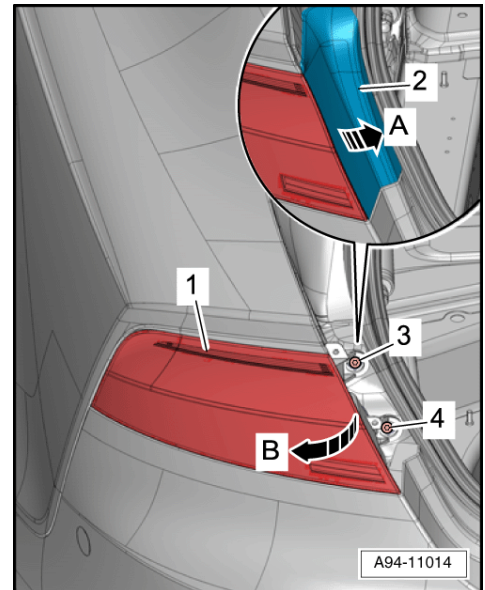
The following information must be observed when working with the lane change assistant (Audi side assist):

- ◆ *If the rear bumper is removed and then reinstalled, or if any modifications are made to the rear bumper, the lane change assist (Audi side assist) must be recalibrated ⇒ Rep. gr. 96 — risk of accident due to malfunction!*



5.1 Removing the outside tail light.

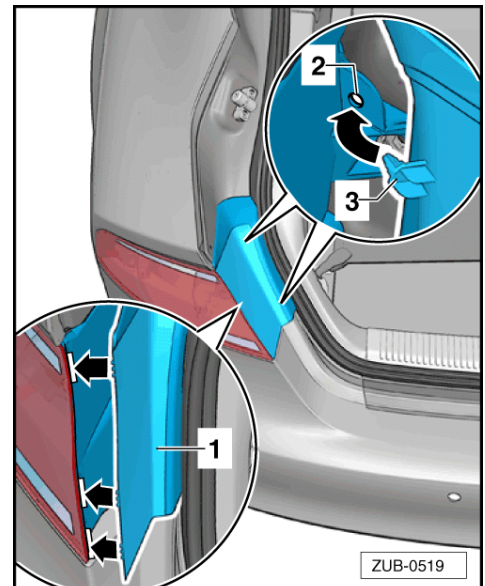
- Turn the light switch to position „0“.
- Prise off the cover -2- from the tail light using the removal wedge -3409- -arrow A- and remove.
- Unscrew the bolts -3- and -4-.
- Swivel the tail light -1- outwards -arrow B- and loosen the retaining pin from the clip nut.
- Detach electrical connector.



Notes on installation

Installation is carried out in reverse order. Please note the following points:

- Position the tail light on the body and push the retaining pin into the clip nut.
- Insert the centring pin -3- and detents -arrows- of the cover -1- into the mount -2- and on the tail light.
- Press the cover onto the tail light.
- The detents must audibly engage on the tail light.
- Tightening torque ⇒ Fig. „Outside tail light“ on page 13



5.2 Removing the luggage compartment cover and load guard (equipment variant) — A6 Avant

- Actuate the locking bolt and remove the luggage compartment cover.
- Actuate the locking bolt and remove the luggage compartment grid.

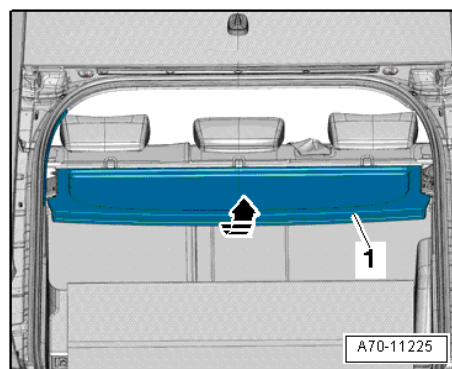


5.3 Removing the front shelf — A7 Sportback

- Pull the front shelf -1- backwards -arrow- and remove it.

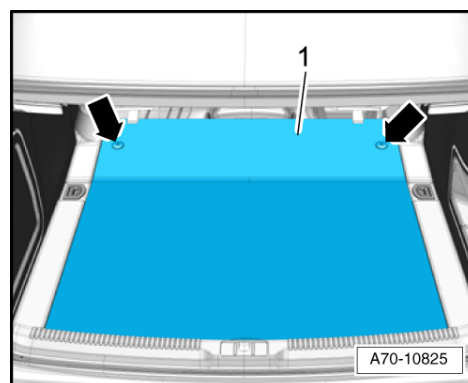
Note on installation

- Insert the left and right of the shelf into the mounts in the luggage compartment side trim and push the shelf forward.



5.4 Removing the luggage compartment floor mat

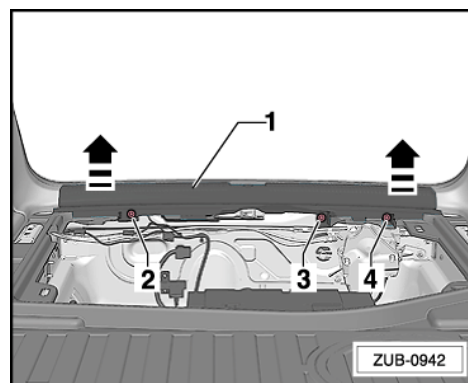
- Unhook the front luggage compartment floor mat -1- -arrows- and remove it.



5.5 Removing the rear cross panel trim

Avant

- Undo the bolts marked -2, 3 and 4-.

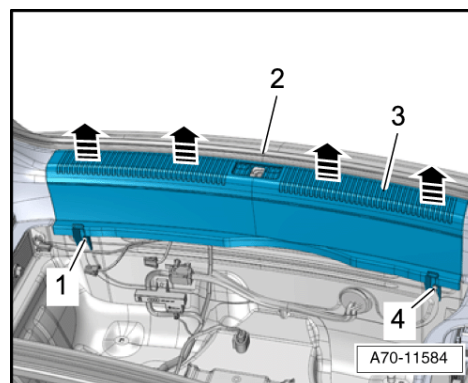


Continue for all vehicles

- Pull off the rear lid seal -2- in the area of the rear cross panel trim.
- Using the removal lever -80 - 200-, unclip the rear cross panel trim -3- vertically using an upward motion -arrows- and remove it.

Note

Relatively substantial force is required to unclip the rear cross panel trim from the rear cross panel.





Notes on installation

Installation is carried out in reverse order. Please note the following points:

Saloon and Sportback

- Insert the rear cross panel trim such that it catches on the left and right in the luggage compartment side trim and the tabs engage in the pins -1- and -4-.

Continue for all vehicles

- Pull the rear lid seal over the rear cross panel trim.

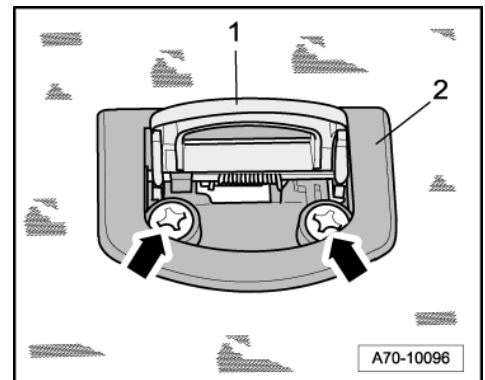
5.6 Removing the lashing eyes — Saloon and Sportback

Note

Installation and removal are identical on both the right and left.

- Fold up the lashing eye -1-.
- Undo the screws -arrows-; remove the lashing eye fixture -2-.

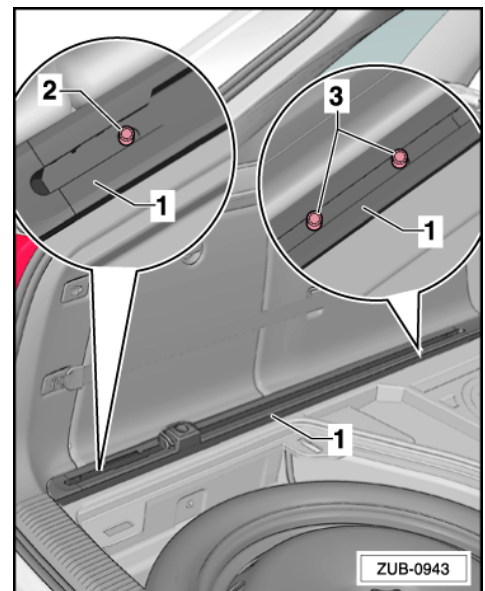
Installation instructions: e.g. tightening torques, replacing components ⇒ **Page 13**.



5.7 Removing the load rails

- Undo the bolts marked -2 and 3- and remove the load rail -1-.

Installation instructions: e.g. tightening torques, replacing components ⇒ **Page 13**.

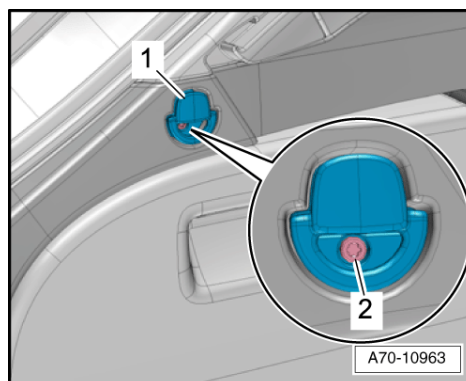




5.8 Removing suit hanger — equipment variant

- Unscrew the screw -2- and remove the suit hanger -1-.

Installation instructions: e.g. tightening torques, replacing components ⇒ [Page 13](#).



5.9 Loosen the luggage compartment side trim at the left and right.

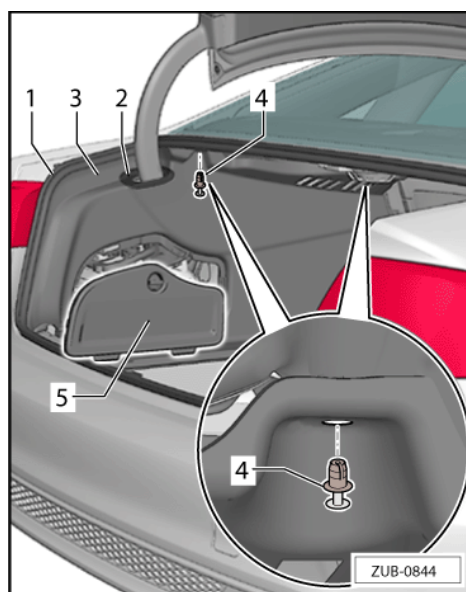
Note

To assemble the towing bracket electrics set, it is necessary to remove the left and right luggage compartment side trims ⇒ Installation instructions — electrics set for swivelling towing bracket.

- Remove the cover -5- for the luggage compartment side trim -3-.
- Remove the rear lid seal -1- in the area of the luggage compartment side trim.

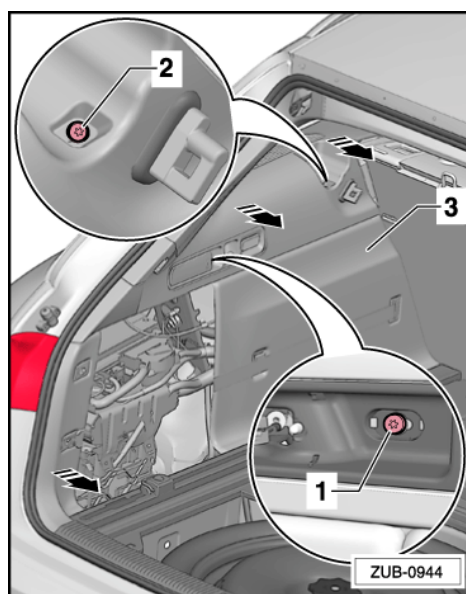
A6 Saloon

- Remove the expander clips -4- using the removal lever -80 - 200-.
- Remove the trim -2- using the removal lever -80 - 200-.



A6 Avant

- Undo the bolts marked -1- and -2-.





A7 Sportback

- Undo the screws -2-.

Continue for all vehicles

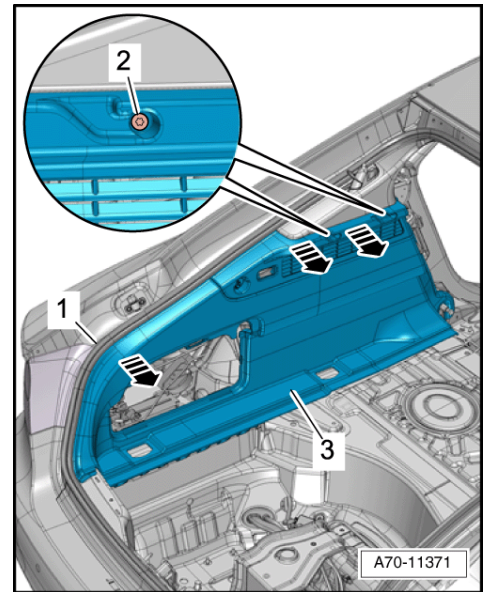
- Using the removal lever -80 - 200-, prise the luggage compartment side trim -3- away from the body -arrows-.
- Carefully remove the luggage compartment side trims -3- from the D-pillar trim.
- If necessary, carefully swivel the luggage compartment side trims -3- towards the centre of the vehicle at the rear.

Notes on installation

Installation is carried out in reverse order. Please note the following points:

- Pull the rear lid seal over the luggage compartment side trims -3-.

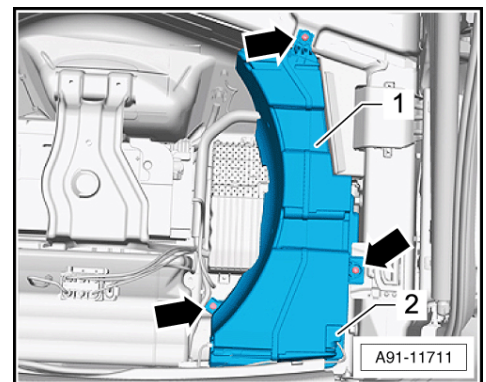
Installation instructions: e.g. tightening torques, replacing components → Page 13.



5.10 Removing the subwoofer -R211- — equipment variant

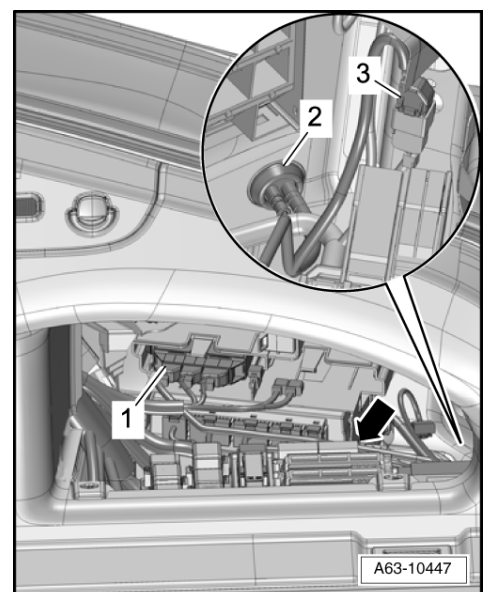
Unscrew the bolts and nuts -arrows-.

- Detach the connector -2- and lift the subwoofer -R211- -1- upwards and out.



5.11 Removing the rear bumper cover

- If there is an electrical connector -1- on the parking aid control unit -J446-, detach it and expose the wiring harness on the bracket for control units -arrow-, detaching cable ties as necessary.
- If there is an electrical connector -3- for lane change assist control units, detach it.
- Push the grommet -2- through towards the rear.



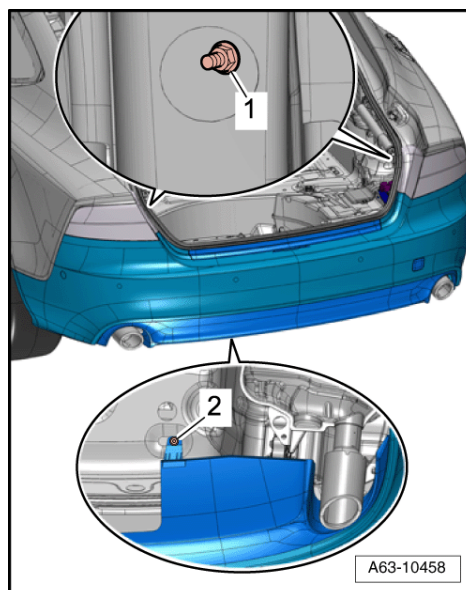


A7 Sportback

- Undo the nut -1- using the plug insert -T40078-.

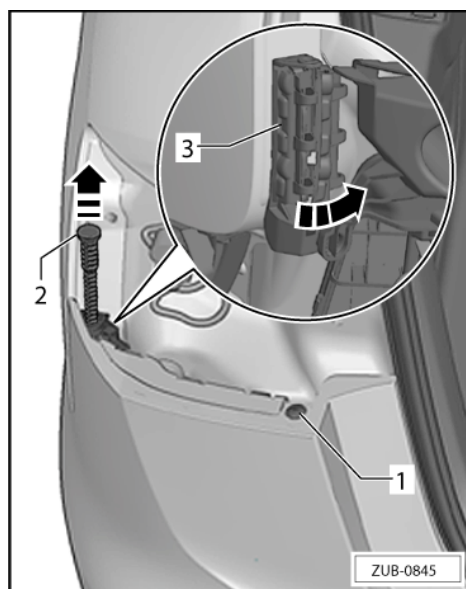
Continue for all vehicles

- Undo the screws -2-.



A6 Saloon/Avant

- Undo the screw -1-.
- Pull the locking pin -2- upwards and remove it.
- Swivel the retainer -3- to one side and unhook the bumper.

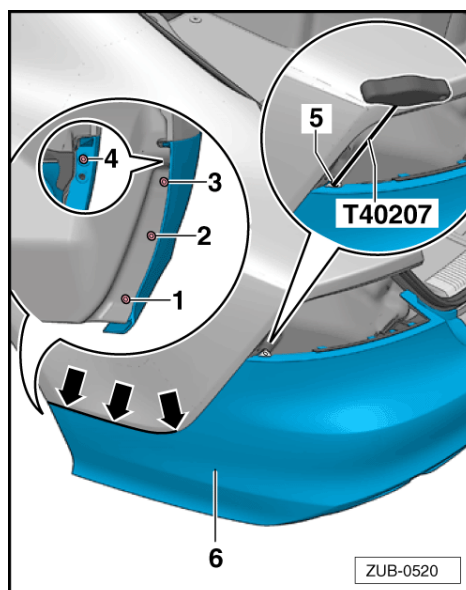


A7 Sportback

- Insert the hook -T40207- in the opening and pull up the retaining rail -5- to release.

Continue for all vehicles

- Unscrew the bolts -1, 2, 3- on the bumper cover lateral supports.
- Push the wheel housing liner slightly to the side and unscrew the bolts -4- — equipment variant.
- Unhook the lateral supports on the side panel -arrows-, moving them to the outside.
- Remove the bumper cover -6-.
- If there is an electrical wiring harness for the parking aid sensor/lane change assist control units, it must be fed through the opening in the body.





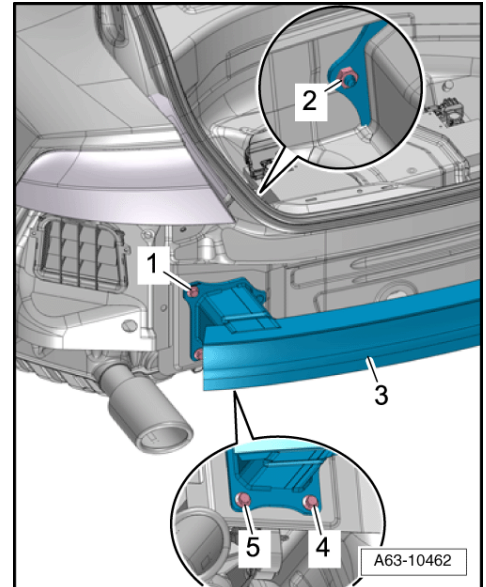
- Place the bumper cover on a soft surface.

Notes on installation

- Observe the required gaps ⇒ „Rear bumper cover gaps“ on page 26.
- Tightening torques ⇒ „Assembly overview and tightening torques“ on page 7.

5.12 Removing the impact bar

- Unscrew the nut -2- and bolts -1, 4, 5-.
- Remove the impact bar -3-.





6 Fitting the towing bracket

6.1 Fitting the towing bracket

WARNING

The contact surfaces between the towing bracket and the body must be free of residue of any description!

Caution

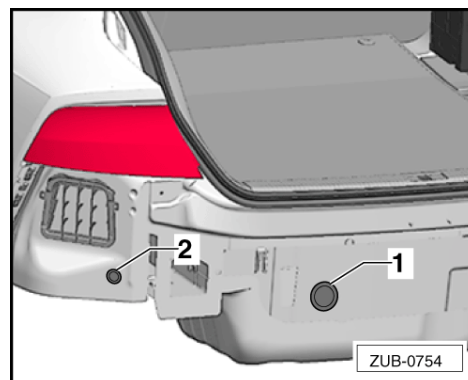
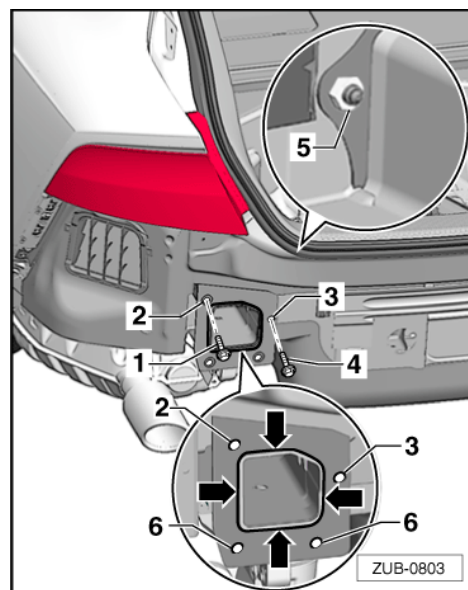
The body fold and unsealed openings must be sealed using a suitable bodywork sealant (e.g. Therolan, light/dark) to prevent any moisture from entering them.

- Seal the body fold -arrows- and tapped openings -6- with bodywork sealant.
- Apply the bodywork sealant to seal the finish before inserting the bolts marked -1- and -4-.
- Insert the impact bar bolt -1- in the tapped hole -2- and tighten it.
- Insert the impact bar bolt -4- in the body opening -3-, screw on the nut -5- and tighten.

Note

The bolts -1- and -4- are used to seal the body.

- Remove the covers -1- and -2-.



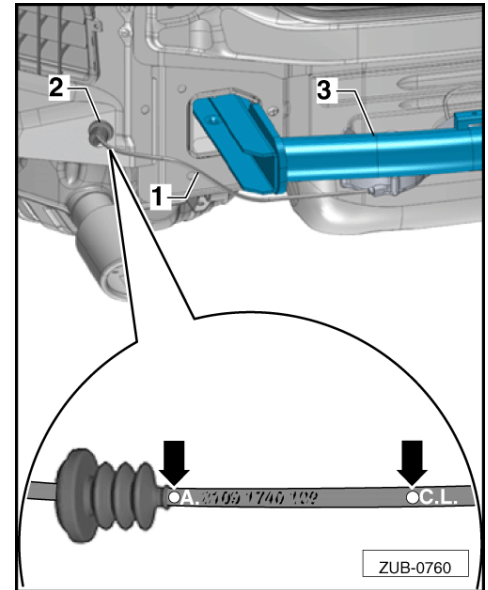


- Insert the towing bracket -3- into the ends of the frame; a second mechanic will be required.
- Feed the cable -1- through the opening and insert the grommet -2-.
- Route the cable through the grommet -2- until the corresponding marking -arrows- is aligned with the grommet:

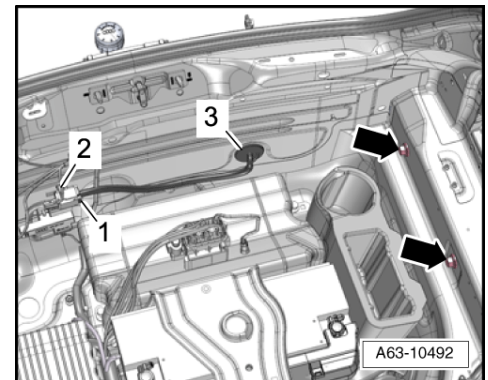
A - Avant

C - Sportback

L - Saloon



- Insert the bolts at the left and right -arrows- and tighten them by hand.
- Tighten the bolts -arrows- ⇒ Fig. „Towing bracket — tightening torque and sequence“ on page 8.
- Feed the trailer socket wire through the opening -3-, insert the grommet and secure to the rear panel using an adhesive pad.
- After assembling the electrics set, attach the connector -1- to the „wiring harness socket“ -2-.



Installation instructions: e.g. tightening torques, replacing components ⇒ Page 7.

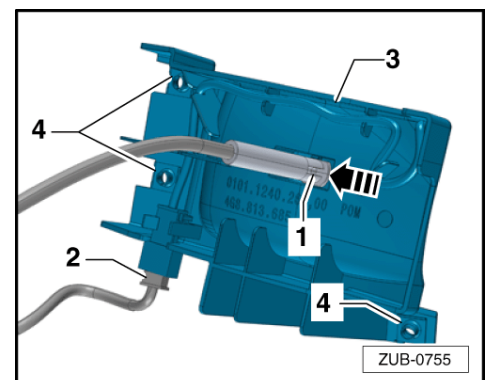
6.1.1 Installing the cable mount

⚠ WARNING

Risk of injury to legs.

- ◆ **Do not stand in the swivel range of the ball coupling when the towing bracket is being released.**

- Attach the M5 snap nuts -4- to the grip plate -3-.
- Attach the electrical connector -2-.
- Feed the cable -1- (without pull knob) from the rear through the grip plate -3- and secure it in the keyhole system -arrow-.





- Push the pull knob -6- onto the end of the cable -4- and secure the slide -5-.
- Bring the shell -3- into the installation position, insert the bolts -1, 2, 7- and tighten them.

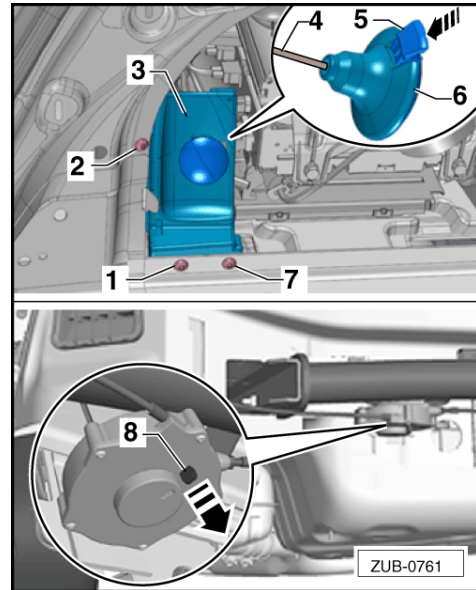
Versions with the locking pin -8-

- Keep the cable taut by pulling on the pull knob -6- and remove the red locking pin -8-.

Versions without the locking pin -8-

- Release the catch (assembly aid) in the „mechanism“ by pulling the pull knob -6-.

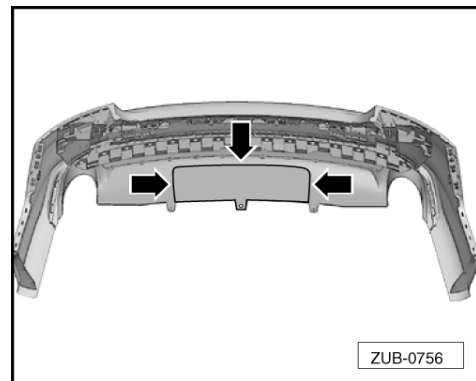
Installation instructions: e.g. tightening torques, replacing components ⇒ Page 7.



6.2 Cutting out the opening required for the ball rod

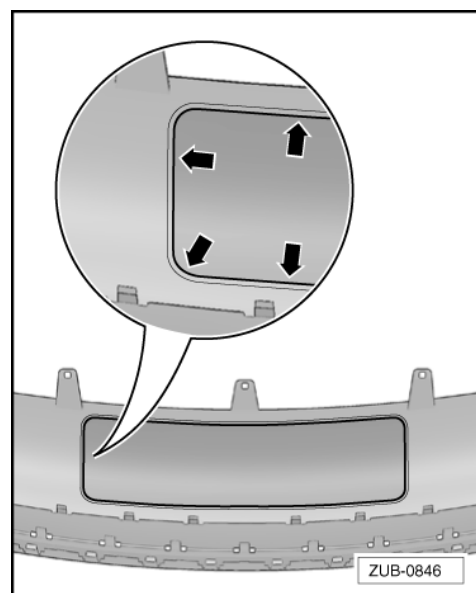
Audi A6 Saloon and Audi A7 without S-line equipment

and



Audi A7 Sportback with S-line equipment

- Cut along the inner marking -arrows- to create the required opening in the rear bumper cover spoiler.
- Deburr the cut surfaces.



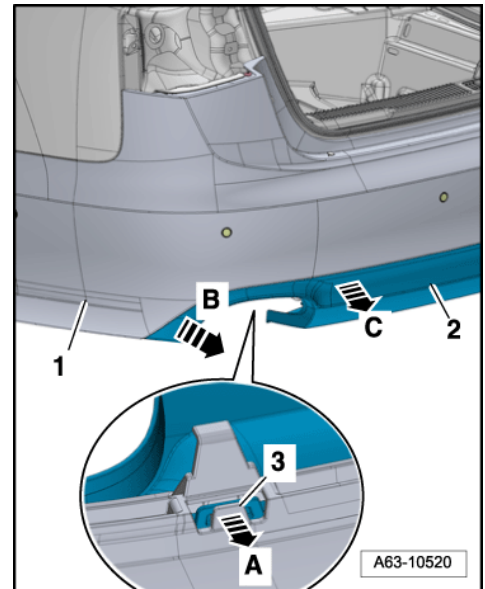


Audi A6 Avant without 1D8 equipment (preparation for towing bracket)

- Carefully release the fastener -3- in -the direction of the arrow A- and at the same time pull on the lower panel -2- to pull the retaining clips out of the bumper cover -1-.
- Unclip the lower panel for the bumper cover starting from the outer edge -arrow B- and moving towards the centre of the vehicle -arrow C-.

Installation is carried out in reverse order. Please note the following point:

- When clipping in the lower panel for the bumper cover, ensure that it audibly engages with the bumper cover.

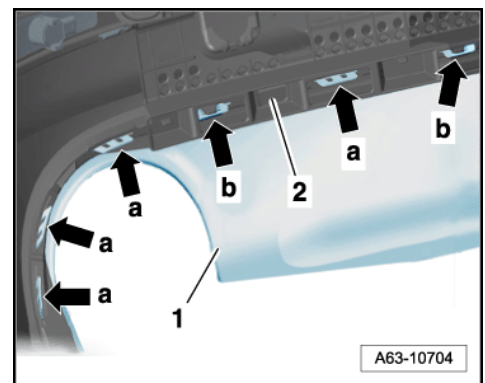


Audi A6 allroad without 1D8 equipment (preparation for towing bracket)

- Unhook the retaining plates -arrows a- by bending them away from the bumper cover.
- Release the catch mechanisms -arrow b- one after the other and pull the lower panel out of the bumper cover.

Installation is carried out in reverse order. Please note the following point:

- When clipping in the lower panel for the bumper cover, ensure that it audibly engages with the bumper cover.
- Hook the retaining plates over the back of the bumper cover.



6.3 Installing the electrics set for the swivelling towing bracket

- Install the electrics set for the swivelling towing bracket.

6.4 Assembling the vehicle

The vehicle is assembled in the reverse order.

WARNING

The following information must be observed when working with the lane change assistant (Audi side assist):

- ◆ **If the rear bumper is removed and then reinstalled, or if any modifications are made to the rear bumper, the lane change assist (Audi side assist) must be recalibrated ⇒ Rep. gr. 96 — risk of accident due to malfunction!**



6.4.1 Rear bumper cover gaps

A - Rear bumper cover to bottom of rear lid

- Gap -a- = 5.3 mm
- 1- Bumper cover
- 2- Rear lid

B - Rear bumper cover to side of rear lid

- Gap -b- = 4.5 mm
- 1- Bumper cover
- 2- Rear lid

C - Rear bumper cover to outside tail light

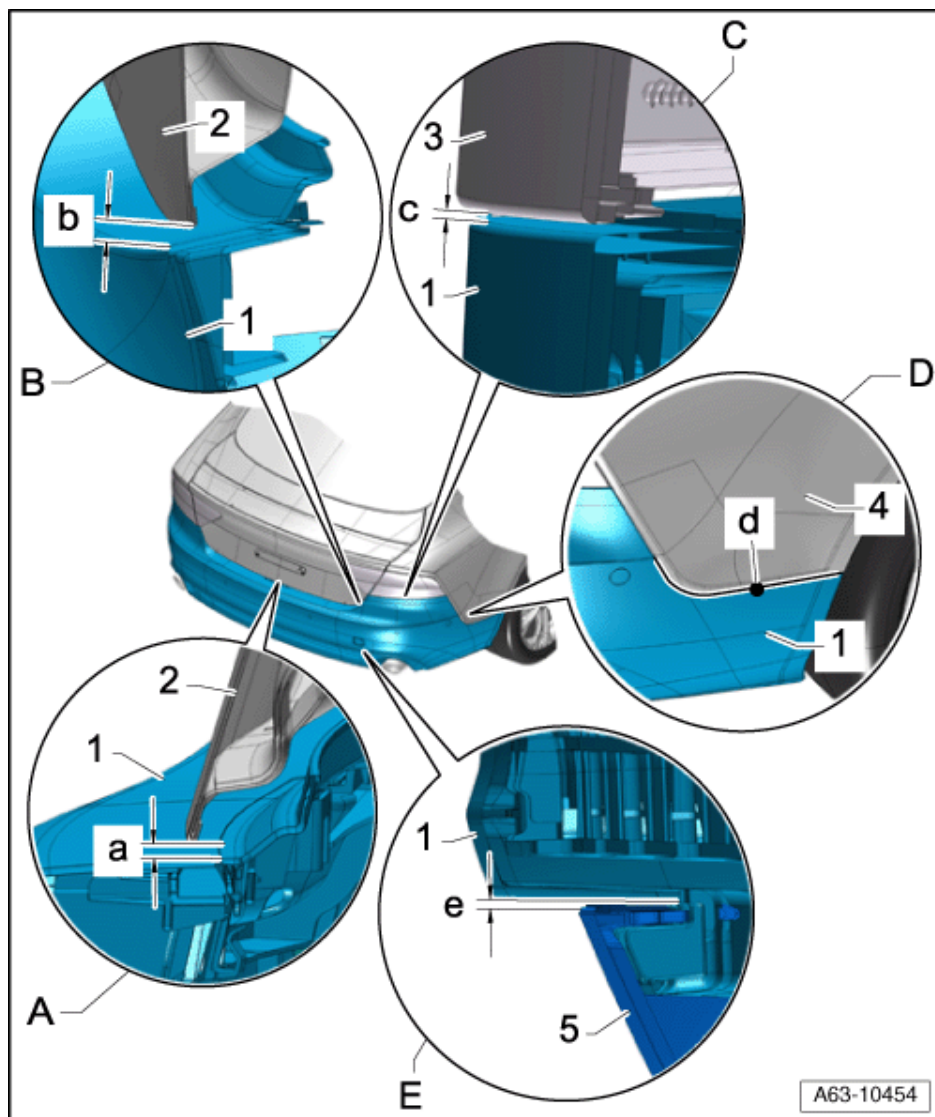
- Gap -c- = 1.5 mm
- 1- Bumper cover
- 3- Outside tail light

D - Rear bumper cover to rear side panel

- Gap -d- = invisible joint
- 1- Bumper cover
- 4- Rear side panel

E - Rear bumper cover to bumper cover lower panel

- Gap -e- = 1.0 mm
- 1- Bumper cover
- 5- Bumper cover lower panel



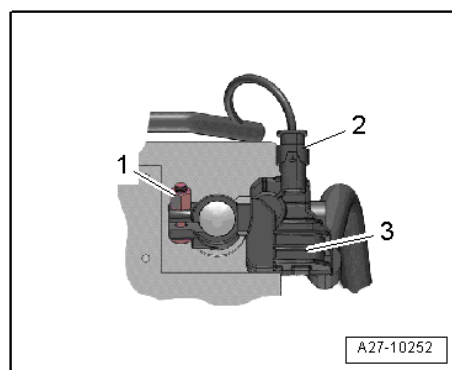
6.5 Connecting the battery

The battery must be connected after fitting the E-set.

- Detach the electrical connector -2- from the battery monitor control unit -J367- -3-.
- To connect, manually place the battery clamp of the earth wire on the battery negative terminal „-“ and tighten the nut -1-.
- Re-attach the electrical connector -2- to the battery monitor control unit -J367-.

When the battery is being reconnected, the following steps must be taken:

- ◆ Activate the one-touch opening and closing of the electric window regulators ⇒ vehicle Owner's Manual.
- ◆ Call up the fault memory of all control units and delete „undervoltage“ fault shown ⇒ Vehicle diagnostic tester.





i Note

After reconnecting the power supply, the ESP warning light can only extinguish after a few metres have been driven.

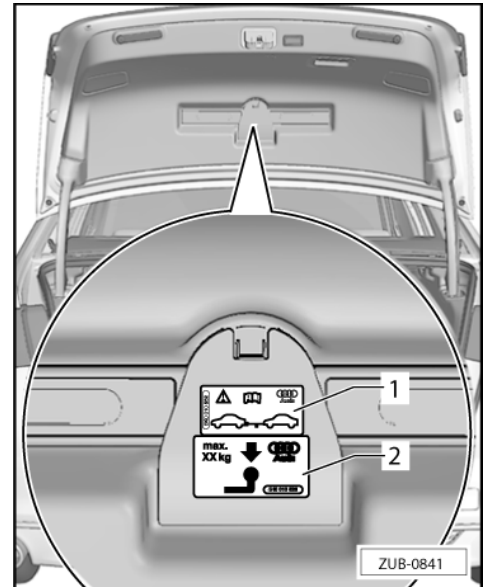
6.6 Finishing the assembly work

A6 Saloon

- Clean the bonding surfaces and affix the „Towing with towing bracket“ -1- and „Trailer draw load“ -2- stickers to the bracket for the warning triangle.

i Note

The bonding surfaces must be free of dust and grease!

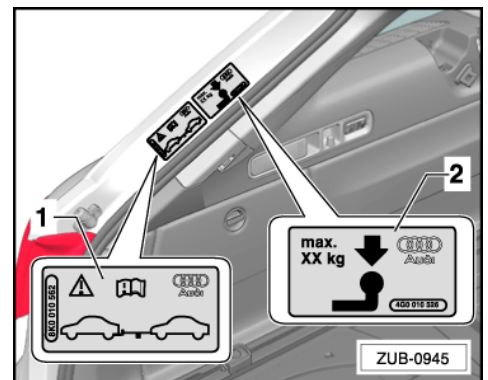


A6 Avant

- Clean the bonding surfaces and affix the „Towing with towing bracket“ -1- and „Trailer drawbar load“ -2- stickers to the inner left D-pillar.

i Note

The bonding surfaces must be free of dust and grease!

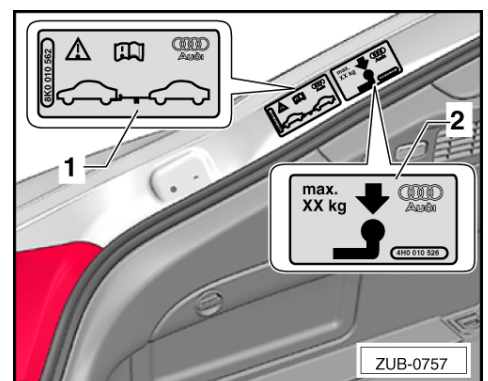


A7 Sportback

- Clean the bonding surfaces and affix the „Towing with towing bracket“ -1- and „Trailer drawbar load“ -2- stickers to the inner left D-pillar.

i Note

The bonding surfaces must be free of dust and grease!



All vehicles

- Once assembled, check the towing bracket functions correctly ⇒ vehicle Owner's Manual.
- Keep these assembly instructions with the vehicle documents so that they can be presented to authorised persons upon request.



6.7 Adjusting the cooling system

As trailer operation puts greater demands on the engine cooling system, the cooling system is upgraded—where technically possible—when the towing bracket is installed in the factory. This is achieved by installing a more powerful or second cooling fan and/or a larger cooler, for instance. Hot country versions of vehicles and/or those with air conditioning systems have a more powerful engine cooling system, but this system may not be sufficient for towing.

When a towing bracket is retrofitted, the cooling unit should be upgraded unless this has already been done at the factory. Otherwise, a high engine load (e.g. mountains, high ambient temperatures, high trailer load) could cause the cooling system to overheat. In the event of an alteration, the parts in the Genuine Parts catalogue must be used in the engine cooling system during trailer operation. The work instructions in the relevant workshop manuals must also be observed.

The cooling system does not need to be upgraded if it is possible to guarantee that the engine is only exposed to moderate stress, e.g.:

- ◆ The permissible gross combination weight is significantly underderrun
- ◆ No high ambient temperatures
- ◆ No long, steep inclines
- ◆ No high altitude journeys

In any case, the coolant temperature display must be carefully monitored. If the needle in the display moves into the hot area, the speed must be reduced immediately. A cool-down time must also be allowed for if necessary. This involves the allowing the engine to idle for approx. 2 minutes to prevent a build-up of heat.

Note

- ◆ *In vehicles with air-conditioning, the engine cooling system can be relieved by switching off the air-conditioning. This also improves the vehicle's start-up behaviour and makes it safer to overtake.*
- ◆ *If, in exceptional cases, the cooling system does not need to be upgraded, the seller must advise the buyer accordingly if the vehicle is sold.*