Installation instructions

AUDI
A3 (8V) 3-door models ►
A3 (8V) Sportback 2017 ►
A3 (8V) Saloon 2017 ►
A3 (8V) Cabriolet
front-wheel drive 2017 ►
A3 (8V) Quattro Cabriolet 2017 ►

Mechanically swivelling towing bracket (ECE) for package numbers 8V0.092.160 and 8V0.092.160.A Audi Genuine Accessories

Edition 01

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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 57*****.***

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 shall not accept responsibility in the event of failure to comply with these installation instructions.

2 Safety instructions for pyrotechnical, electrical and mechanical components of the restraint system

2.1 General safety instructions

Pyrotechnical components comprise:

- Airbag units
- Belt tensioners
- Belt force limiters
- Battery disconnecting elements

General

- Testing, installation and maintenance tasks must only be carried out by trained personnel.
- There are no replacement intervals for airbag units.
- Do not check using circuit tester, voltmeter, or ohmmeter under any circumstances.
- Pyrotechnic components must only be checked when installed and using ⇒ vehicle diagnostic testers that have been approved by the manufacturer.
- When working on pyrotechnic components and the airbag control unit -J234-, the battery earth wire must be disconnected when the IGNITION is SWITCHED ON. The battery negative terminal must subsequently be covered.
- You must wait ten seconds after the battery -A- has been disconnected.
- The battery -A- must be connected when the IGNITION is SWITCHED ON. There must not be anybody inside the vehicle during this process. Exception: vehicles with battery -A- located inside the vehicle. Do not sit within the airbag and seat belt deployment range.
- Observe the appropriate steps after connecting the battery -A- ⇒Page 56.
- Before performing any work on pyrotechnic components in the restraint system, e.g. before disconnecting the electrical connector, the mechanic carrying out the task must discharge any static electricity. Electrostatic discharging can be performed by touching earthed metal parts, e.g. by briefly touching the door striker plate.
- Wash hands after touching ignited pyrotechnical components of the restraint system.
- Pyrotechnical components must neither be opened nor repaired. New parts must always be used (risk of injury).
- Pyrotechnic components that have fallen onto a hard surface or that show any sign of damage must not be installed.

- Pyrotechnic components must be installed immediately after they are removed from the transport container.
- If work is interrupted, the pyrotechnic component must be returned to the transport container.
- Pyrotechnic components must not be left unattended.
- When connecting the pyrotechnic components in the restraint system, only the person performing the work may be inside the vehicle.
- Pyrotechnic components must not be treated with grease, cleaning agents or similar products.
- If the fabric becomes contaminated with substances such as oil, grease, paint, colour or solvents, the airbag unit must be replaced.
- In addition, pyrotechnic components must not be exposed to temperatures above 100°C, even for short periods.

2.2 Storing, transporting and disposing of airbag, belt tensioner and battery disconnector units (pyrotechnic components)

- Storage is subject to the applicable national legislation.
- Transportation is subject to national and international laws governing packaging, naming, labelling and accompanying documentation.
- Pyrotechnic components that have not been ignited must be returned in the original packaging for appropriate recycling in line with the applicable national legislation. Contact your importer if you have any questions.
- Only pyrotechnic components that have been completely ignited may be disposed of as industrial waste.

> ⚠ ***WARNING***
>
> ***This does not apply for belt tensioners that operate according to the Wankel tensioner principle. Tensioners of this kind should be handled in the same way as pyrotechnic components that have not been ignited (e.g. airbags).***
>
> ***Background: For belt tensioners that operate according to the Wankel tensioner principle, it is not possible to check whether all ignition stages have completed using workshop tools.***

3 Notes on towing bracket — Fitting and operation

Towing vehicle

Manufacturer:	AUDI AG
Model:	A3 2017 ►
Offic. Type designation:	8V

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

Towing bracket

Technical data	
Bosal no.:	1002 8876 without preparation, 1002 8890 with preparation
ECE No.:	55R-012724
D-value:	9.81 kN
Permitted drawbar load:	75 kg

> ⚠ ***WARNING***
>
> ***The drawbar load figures specified on the type plate of the towing bracket are test values only. Vehicle-specific figures are often lower than these values and can be found in the vehicle documents.***

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.

3.1 Assembly

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/Volkswagen 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/Volkswagen 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 surfacer LGF.008.001.42/43
- Two-component HS vario surfacer LGF.786.004.A4
- Paint to match the vehicle colour
- Body cavity preserving agent D.330.KD2.A1

3.2 Operation

WARNING

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

- ***Read the notes in the "Towing mode" chapter of the ⇒ 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!

Do not tow using the eye – risk of breakage!

A protective cap can be fitted on the ball head when swivelling in the ball coupling.

Caution

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

Note

- *The towing bracket including all assembly parts weighs approx. 24 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.*

Note

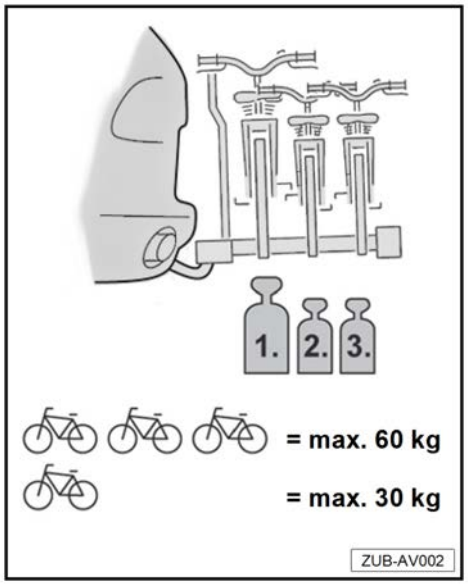
Use the towing bracket when towing.

3.3 Bicycle carrier safety instructions

WARNING

The bicycle carrier for the trailer towing coupling is only suitable for transporting bicycles – risk of accident!

- ***The bicycle carrier for the towing bracket must only be used to transport bicycles with a total weight of max. 60 kg (132 lb). When carrying bicycles, the distance from the end of the vehicle to the last bicycle must not exceed 60 cm.***
- ***The bicycle carrier for trailer towing coupling is not suitable for off-road use.***
- ***Do not under any circumstances exceed the maximum load of the bicycle carrier for trailer towing coupling or the drawbar load of the trailer towing coupling.***
- ***The combined weight of the towing bracket bicycle carrier and bicycles must not exceed the gross vehicle weight rating or the gross axle weight rating of the vehicle (⇒ owner's manual).***



3.4 Sensitivity to side winds: safety instructions

WARNING

The load affects driving and braking behaviour and the vehicle's sensitivity to side winds. Adapt your driving style accordingly – risk of accident!

When driving in strong side winds, make sure that you take extra care:

- ***When moving into and out of the slipstreams of lorries,***
- ***When driving past hedgerows, trees, walls and buildings as well as any other wind barriers,***
- ***When driving over bridges.***

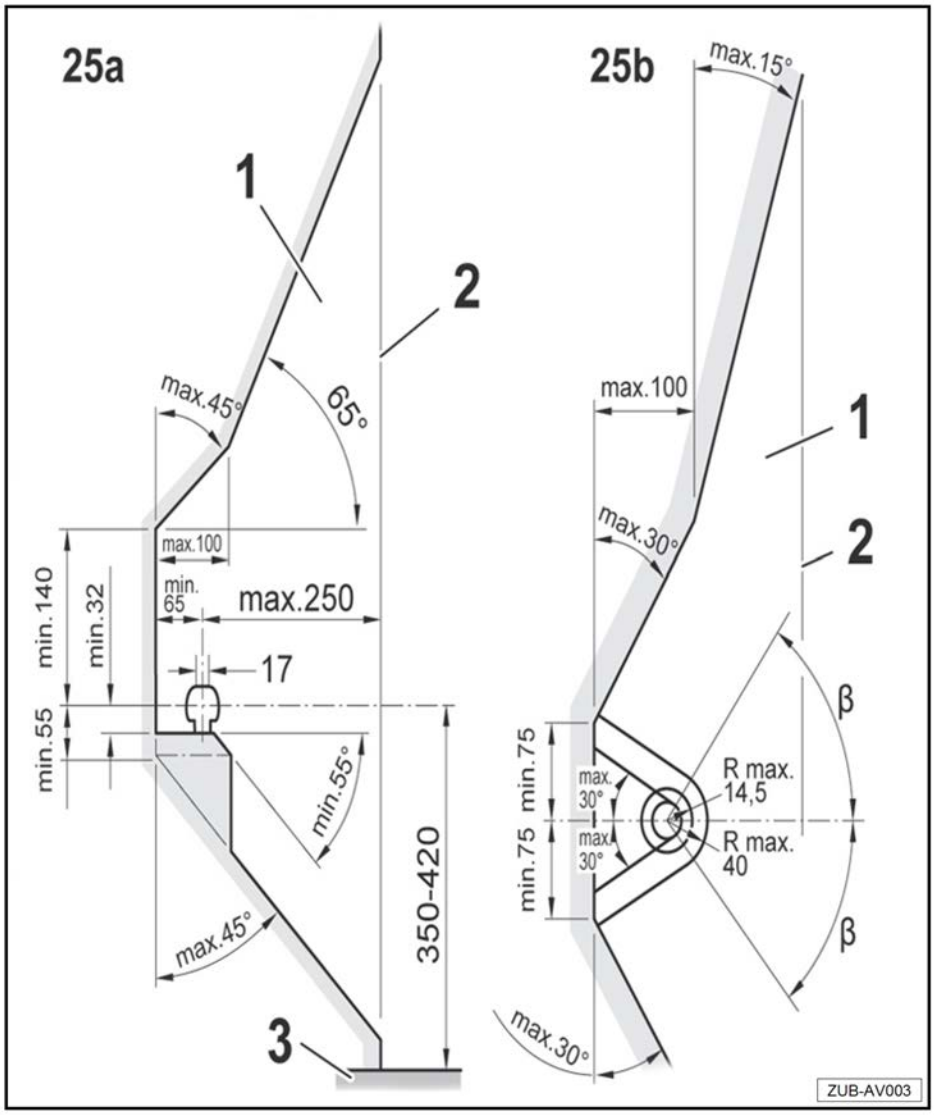
3.5 Notes concerning ECE-R 55 mechanical coupling device guidelines

Make sure that clearance is provided in compliance with appendix 7, Figure 25a and 25b of the guideline ECE-R 55.

1 - Clearance

2 - Vertical plane through the end points of the vehicle's overall length

3 - Ground



3.6 Towing bracket

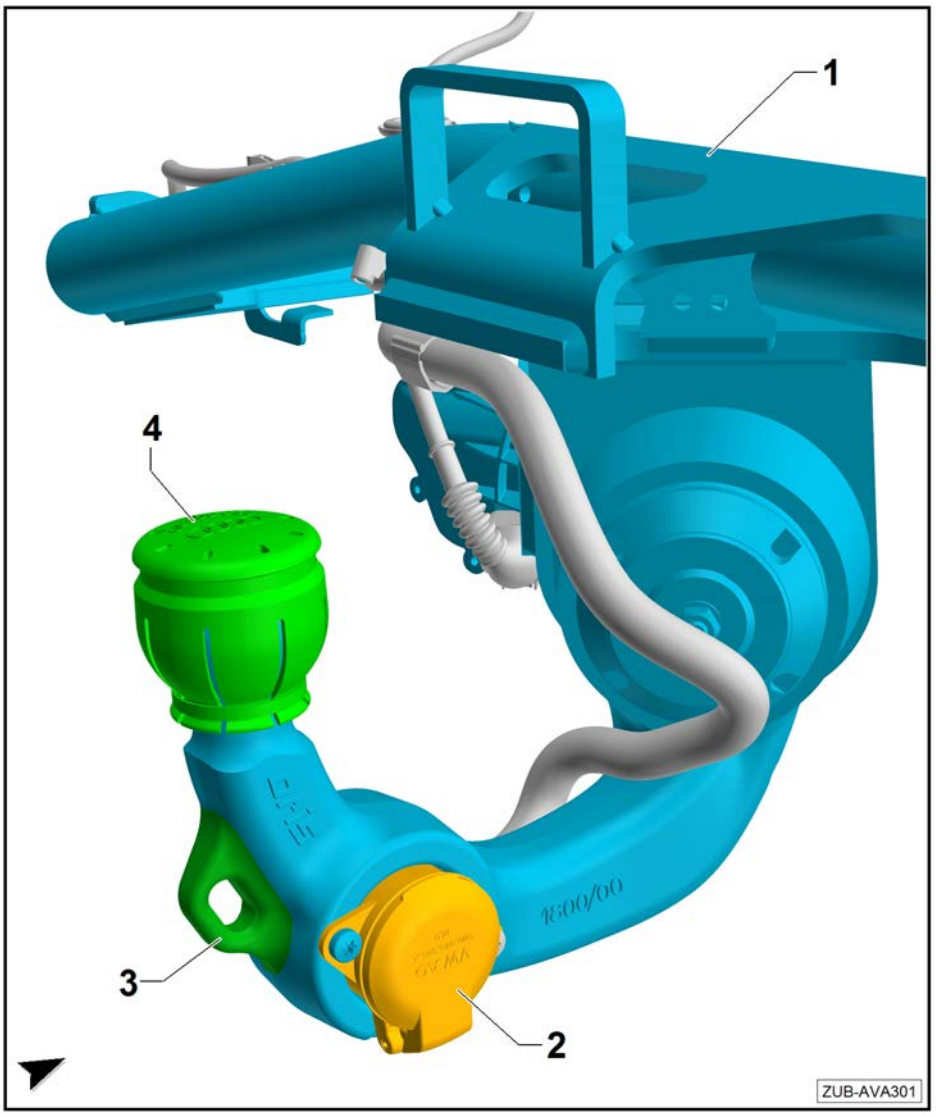
1 - Towing bracket cross member

2 - Trailer socket

3 - Eye

- ❑ for the brake cable

4 - Ball coupling with protective cap



4 Overview of components

4.1 Overview of mechanical components

1 - Electrical connection
- ❑ Socket/electrical release retrofit wiring harness
- ❑ 1x

2 - Towing bracket with swivelling cross member including socket/electrical release wiring harness
- ❑ 1x

3 - Ball coupling protective cap
- ❑ 1x

4 - Foam section
- ❑ Pre-assembled
- ❑ 1x

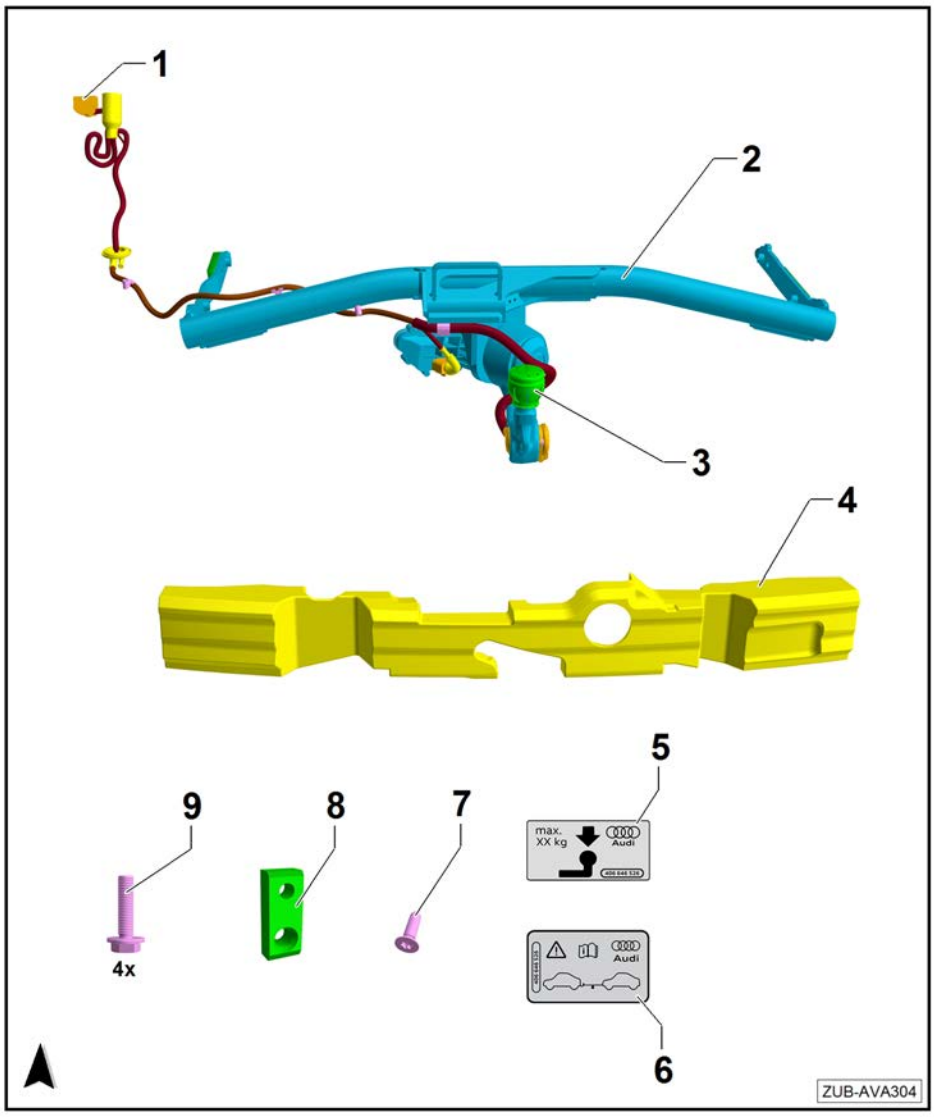
5 - Drawbar load sticker
- ❑ 1x

6 - "Towing with towing bracket" sticker
- ❑ 1x

7 - Spacer securing bolt
- ❑ 75 Nm
- ❑ 1x

8 - Spacer
- ❑ 1x

9 - Securing bolts for towing bracket
- ❑ M10 x 45
- ❑ 75 Nm
- ❑ 4x



4.2 Overview of electrical system components

Applies to vehicles without preparation 1D0

1 - Onboard supply retrofit wiring harness
- ❑ LHD/RHD (swivelling)
- ❑ 1x

2 - Information sheet
- ❑ 1x

3 - Fitting trailer detector control unit -J345-
- ❑ 1x 5Q0.907.383.ZZ

4 - Towing bracket electrical release button
- ❑ 1x 8W0.959.511

5 - Frame for towing bracket electrical release button
- ❑ 1x 8W5.867.255

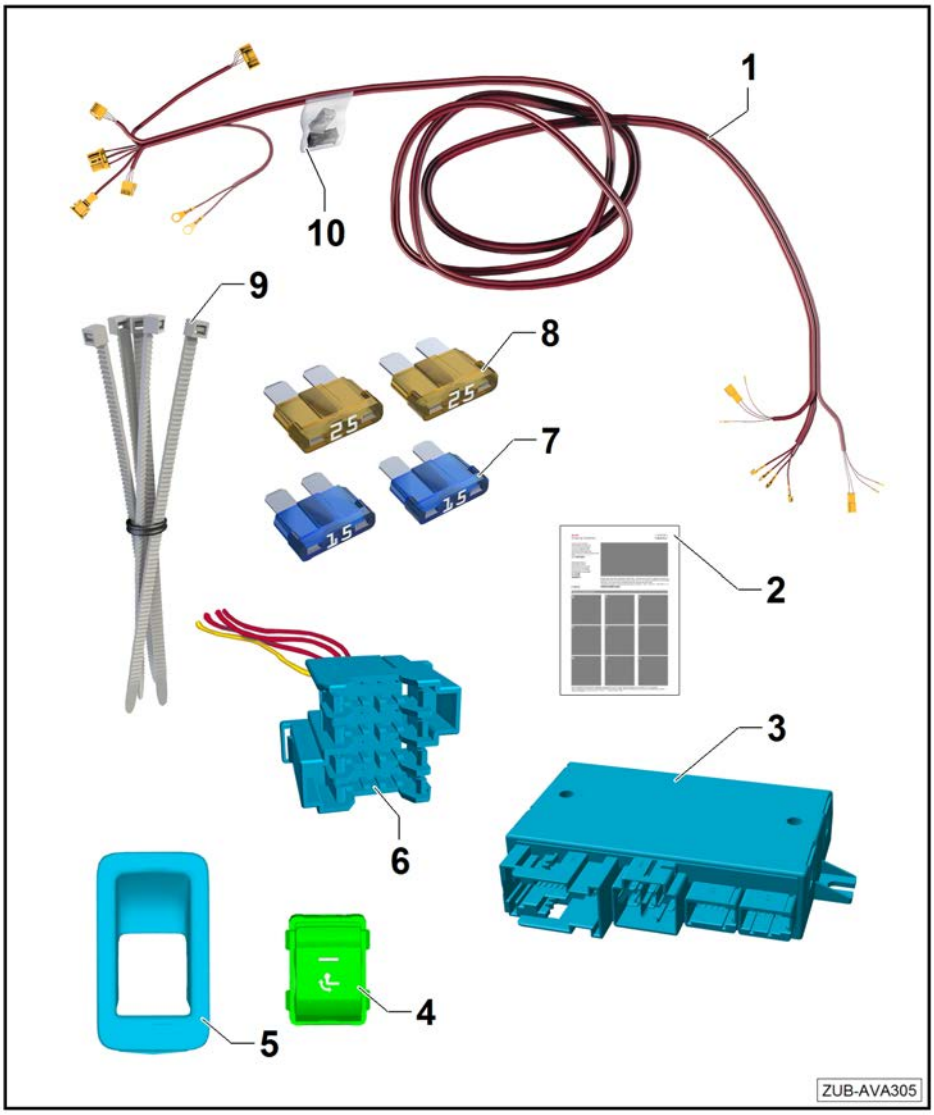
6 - 4-slot fuse adapter
- ❑ 1x 6R0.937.530.ZZ

7 - 15 A fuse
- ❑ 2x N.017.131.12

8 - 25 A fuse
- ❑ 2x N.017.131.14

9 - Cable ties
- ❑ 15x

10 - PE bag
- ❑ Black 3-pin connector housing
- ❑ White 3-pin connector housing
- ❑ 1x



EN

Applies to vehicles with preparation 1M5

1 - "Earth" retrofit wiring harness
- ❑ LHD/RHD (swivelling)
- ❑ 1x

2 - "towing bracket release button -E474-" retrofit wiring harness
- ❑ LHD/RHD (swivelling)
- ❑ 1x

3 - Information sheet
- ❑ 1x

4 - Fitting trailer detector control unit -J345-
- ❑ 1x 5Q0.907.383.ZZ

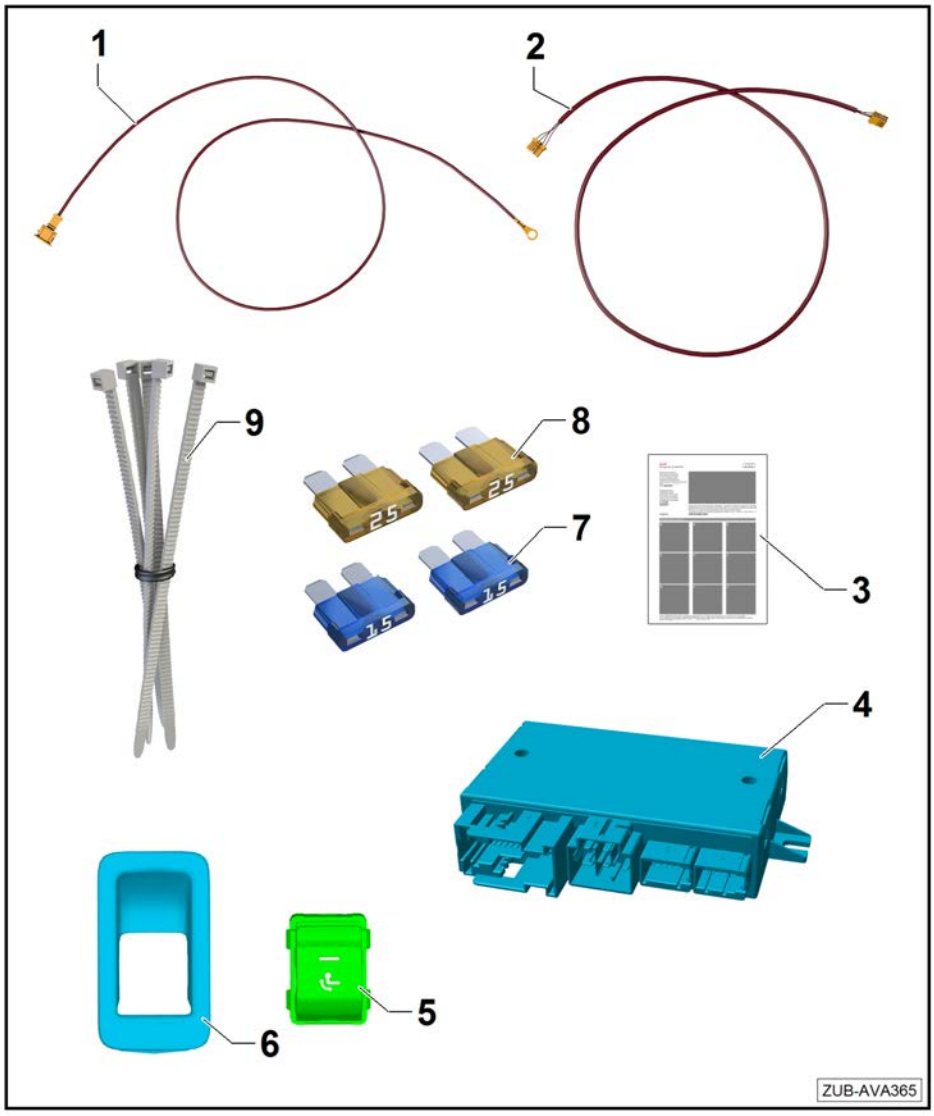
5 - Towing bracket release button -E474-
- ❑ 1x 8W0.959.511

6 - Frame for towing bracket release button -E474-
- ❑ 1x 8W5.867.255

7 - 15 A fuse
- ❑ 2x N.017.131.12

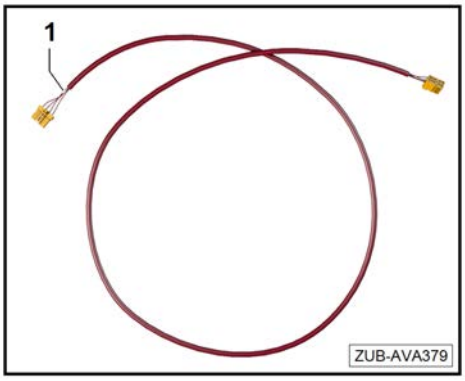
8 - 25 A fuse
- ❑ 2x N.017.131.14

9 - Cable ties
- ❑ 3x



Applies only to vehicle type A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

Additional wiring harness 8V0.055.307.B -1-.

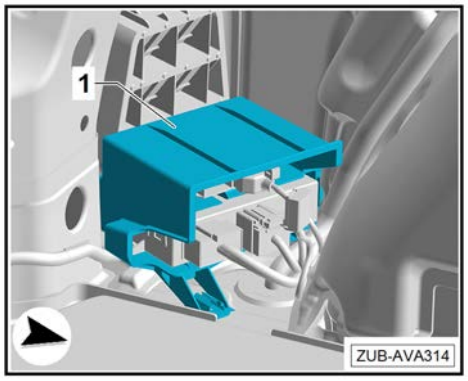


Note

Updated versions of these installation instructions are available under Accessories ⇒ ETKA (electronic parts catalogue).

4.3 Additional required parts

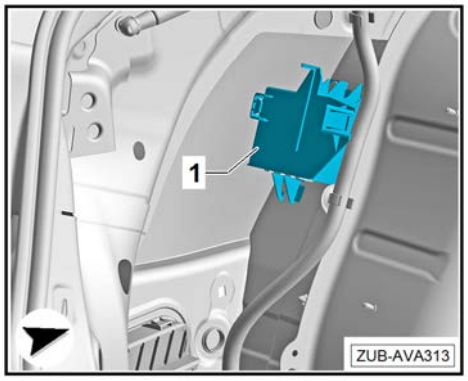
In A3 3-door models and A3 Sportback vehicles without the rear left-hand control unit bracket, bracket 8V0.907.333 -1- is also required.



In the A3 Saloon without the rear left-hand control unit bracket, bracket 8V5.907.333 -1- is also required.

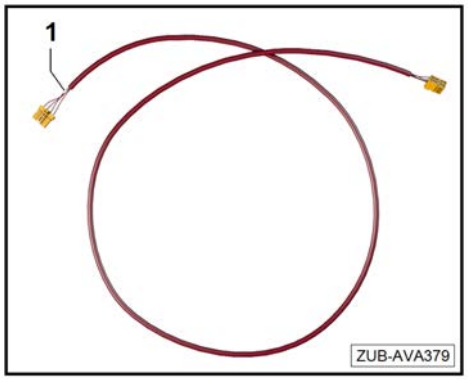
Note

Updated versions of these installation instructions are available under Accessories ⇒ ETKA (electronic parts catalogue).



In the A3 Saloon, Cabriolet a luggage compartment side trim with preparation for towing bracket electrical re-lease button is also required. This must be ordered separately.

In the A3 Cabriolet with front-wheel drive and A3 quattro Cabriolet, wiring harness 8V0.055.307.B -1- is also required. This must be ordered.



4.4 Retrofitting the opening for towing bracket hole electrical release button

Applies only to A3 3-door models and A3 Sportback

In the A3 3-door models and A3 Sportback, a template is used to make the slot for the towing bracket electrical release button in the luggage compartment side trim. The template can be found as an appendix to the installation instructions. Using the template and making the opening for the button ⇒Page 54.

5 Mechanical preparation

5.1 Disconnecting the battery

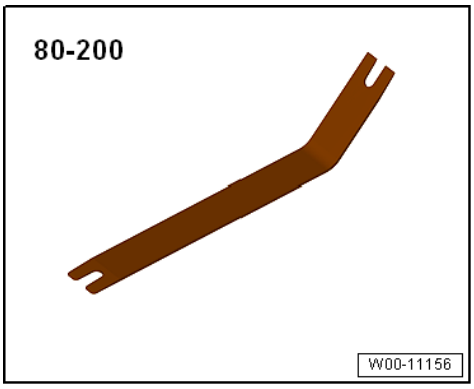
Disconnect the battery ⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

> ⚠ ***WARNING***
>
> - ***Always make sure that the vehicle's electrical system is protected by disconnecting the battery before performing work on the electrical system.***
> - ***Only unscrew the battery negative terminal (-) of the battery.***
> - ***The battery positive terminal (+) of the battery must only be unscrewed once the battery has been removed from the vehicle.***

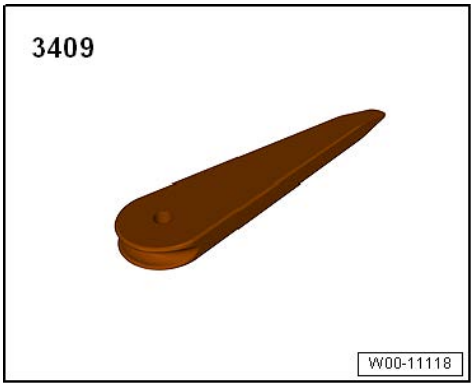
5.2 Remove the following components

Special tools and workshop equipment required

- Removal lever -80 - 200-



- Wedge -3409-



Assembly overview of luggage compartment side trim, A3 3-door models, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of luggage compartment side trim, A3 Saloon ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of luggage compartment side trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of bench seat ⇒General body repairs, interior; Rep. gr. 72; Rear seat; Assembly overview — bench seat/individual seats

Remove the bench seat ⇒General body repairs, interior; Rep. gr. 72; Rear seats; Installing and removing the bench seat/individual seats

Remove the rear seat backrest ⇒General body repairs, interior; Rep. gr. 72; Rear seats; Installing and removing the rear seat backrest

Remove the luggage compartment floor mat ⇒General body repairs, Interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment floor

Remove the rear lid lock trim ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trim; Removing and installing the rear lid lock trim

Remove the rear shelf ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the rear shelf

Remove the left and right luggage compartment lights -W3- ⇒Electrical system; Rep. gr. 96; Lights; Removing and installing the left and right luggage compartment lights -W3-

Remove the subwoofer -R211- — equipment variant ⇒Communication; Rep. gr. 91; Sound system; Removing and installing the subwoofer -R211-

Assembly overview of side trim, A3 3-door models⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of side trim

Assembly overview of side trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of side trim

Remove left tail light ⇒Electrical system; Rep. gr. 94; Tail lights; Installing and removing tail lights

Remove rear bumper cover ⇒General body repairs, exterior; Rep. gr. 63; Rear bumper; Removing and installing the bumper

Remove the impact bar ⇒General body repairs, exterior; Rep. gr. 63; Rear bumper; Removing and installing the impact bar

6 Electrical preparation

6.1 Disconnecting the battery

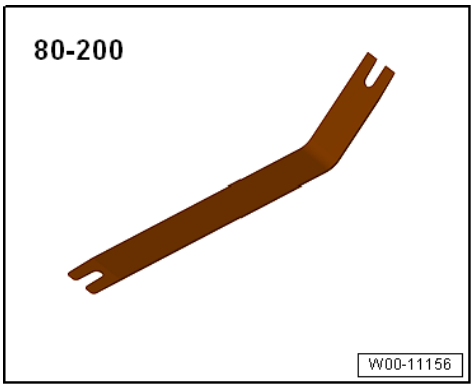
Disconnect the battery ⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

> ⚠ ***WARNING***
>
> - ***Always make sure that the vehicle's electrical system is protected by disconnecting the battery before performing work on the electrical system.***
> - ***Only unscrew the battery negative terminal (-) of the battery.***
> - ***The battery positive terminal (+) of the battery must only be unscrewed once the battery has been removed from the vehicle.***

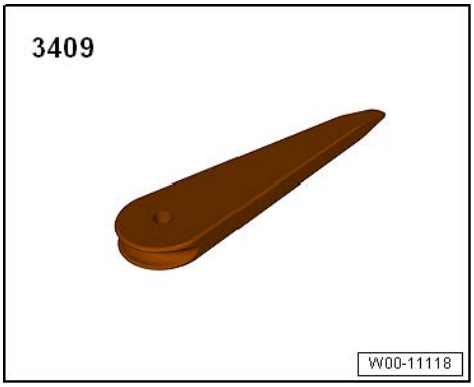
6.2 Remove the following components

Special tools and workshop equipment required

- Removal lever -80 - 200-



- Wedge -3409-



Remove the luggage compartment floor mat ⇒General body repairs, Interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment floor

Remove the subwoofer -R211- — equipment variant ⇒Communication; Rep. gr. 91; Sound system; Removing and installing the subwoofer -R211-

Assembly overview of bench seat ⇒General body repairs, interior; Rep. gr. 72; Rear seat; Assembly overview — bench seat/individual seats

Remove the rear bench seat ⇒General body repairs, interior; Rep. gr. 72; Rear seats; Installing and removing the bench seat/individual seats

Remove the rear seat backrest ⇒General body repairs, interior; Rep. gr. 72; Rear seats; Installing and removing the rear seat backrest

Assembly overview of luggage compartment side trim, A3 3-door models, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of luggage compartment side trim, A3 Saloon ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of luggage compartment side trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of luggage compartment side trim

Assembly overview of side trim, A3 3-door models ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of side trim

Assembly overview of side trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Assembly overview of side trim

Remove the rear shelf ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the rear shelf

Remove the rear cross panel trim ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the rear cross panel trim

Remove the left and right luggage compartment lights -W3- ⇒Electrical system; Rep. gr. 96; Lights; Removing and installing the left and right luggage compartment lights -W3-

Remove the fastening rings ⇒General body repairs, Interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the fastening rings

Remove the left-hand luggage compartment floor, A3 3-door models, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the support for the luggage compartment floor

Remove the left-hand side padding, A3 Sportback, A3 Saloon, equipment variant ⇒General body repairs, interior; Rep. gr. 70; Rear seat; Removing and installing side padding

Service position of convertible roof and convertible roof compartment lid, A3 Cabriolet

⚠ ***WARNING***

Risk of injury when convertible roof is not fully open.

- ***When moving into the service position, the convertible roof compartment lid must be moved fully to the rear until it reaches the end position.***
- ***Before carrying out any work on the convertible roof system, hydraulic pressure in the system must also be relieved.***
- ***Reason: After approximately six minutes, the convertible roof control unit builds up the hydraulic pressure in the system abruptly and there is a risk that the convertible roof compartment lid will close in an uncontrolled manner.***
- ***Further operations are only permitted once the hydraulic pressure is relieved.***

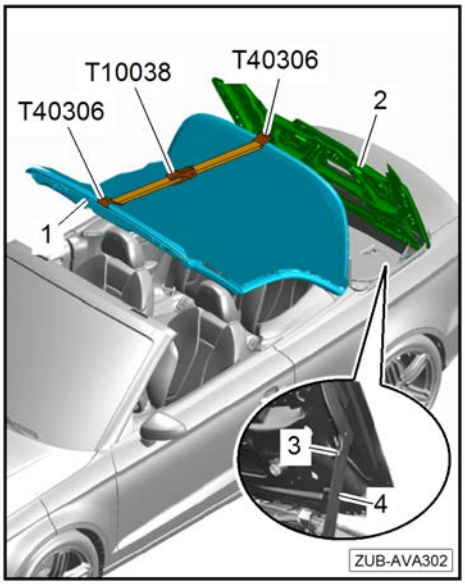
Sequence of operations

– Open the convertible roof until the convertible roof -1- and convertible roof compartment lid -2- reach the position indicated.

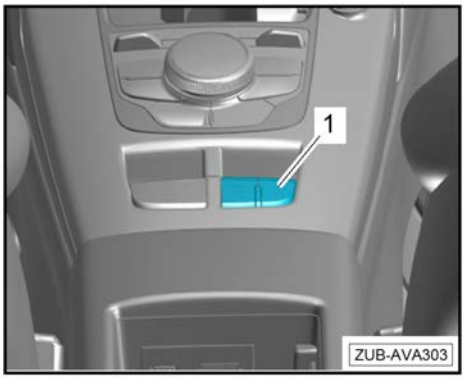
– Make sure that the convertible roof compartment lid in the “open” position is secured against accidental closure by pressing the hinge on the upper deflection point as far as it will go -3- on the strut -4-.

– Thread the tensioning strap -T10038- in the hook -T40306- and tighten the shaft with three turns of the quick-release clamp.

– Hook the front and rear hooks -T40306- in the centre of the edge of the convertible roof and adjust as necessary.



– When the ignition is switched off, press and hold the convertible roof actuation button -E137- -1- for approximately five seconds. Doing so relieves the pressure in the hydraulic system.



Remove the luggage compartment trim, A3 Cabriolet ⇒ General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the front luggage compartment trim

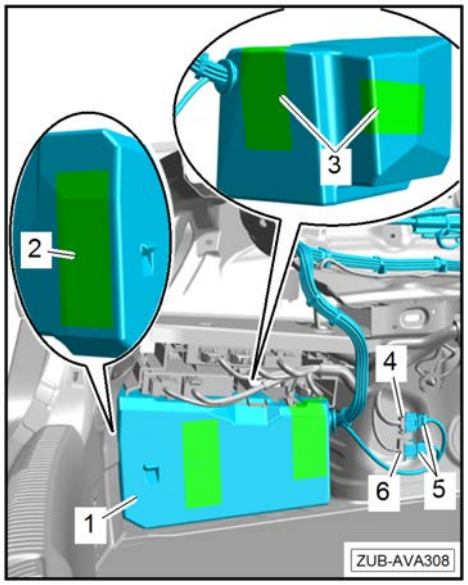
Remove the left-hand luggage compartment side trim, A3 3-door models, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

Remove the left-hand luggage compartment side trim, A3 Saloon ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

Remove the left-hand luggage compartment side trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Luggage compartment trims; Removing and installing the luggage compartment side trim

Removing the hydraulic pump from the side pocket

– Disconnect electrical connectors -4, 6- and expose connector -5-.
– Take hydraulic pump -1- out of the side pocket and place it in the luggage compartment with the hydraulic lines still connected.



Note

Items -1- and -2- can be ignored.

Notes on installation

To install, follow the steps in reverse order.

Remove the side dash panel cover ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the side dash panel cover

Remove the dash panel cover ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the dash panel cover on the driver side

Remove the gap cover on the A-pillar ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the gap cover on the A-pillar

Remove the bonnet actuating lever ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the bonnet actuating lever

Remove the left-hand sill panel trim, A3 3-door models, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim

Remove the left-hand sill panel trim, A3 Saloon ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim

Remove the left-hand sill panel trim, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Interior trims; Removing and installing the sill panel trim

Remove the lower left-hand section of the A-pillar trim, A3 3-door models, A3 Saloon, A3 Cabriolet ⇒General body repairs, interior; Rep. gr. 70; Interior trim; Removing and installing the A-pillar trim

Remove the lower left-hand section of the A-pillar trim, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Interior trim; Removing and installing the A-pillar trim

Remove the upper left-hand section of the B-pillar trim, A3 3-door models ⇒General body repairs, interior; Rep. gr. 70; Interior trim; Removing and installing the B-pillar trim

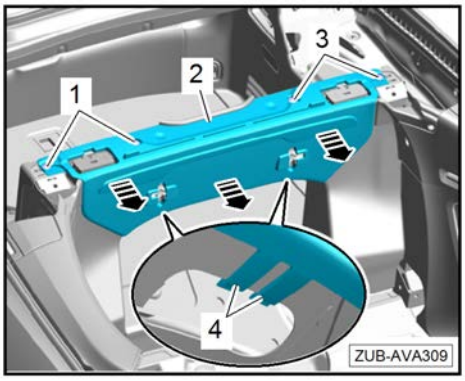
Remove the upper left-hand section of the B-pillar trim, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Interior trim; Removing and installing the B-pillar trim

Remove the lower left-hand section of the B-pillar trim, A3 Sportback ⇒General body repairs, interior; Rep. gr. 70; Interior trim; Removing and installing the B-pillar trim

Remove the front left-hand belt end anchor, A3 Cabriolet ⇒ General body repairs, interior; Rep. gr. 69; Seat belts; Removing and installing the front belt end anchor

Removing the front of the back panel trim, A3 Cabriolet

– Convertible roof and convertible roof compartment lid is brought into the service position.
– Fold the rear seat backrest forward.
– Remove expanding clips -1- and -3- using the removal lever -80 - 200-.
– Disengage tabs -4- of the front of the back panel trim.
– Unclip the front of the back panel trim -2- from the fasteners arrows -80 - 200- using the -removal lever-.
– Disengage the front of the back panel trim at the rear of the back panel trim and remove upwards.



Notes on installation

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

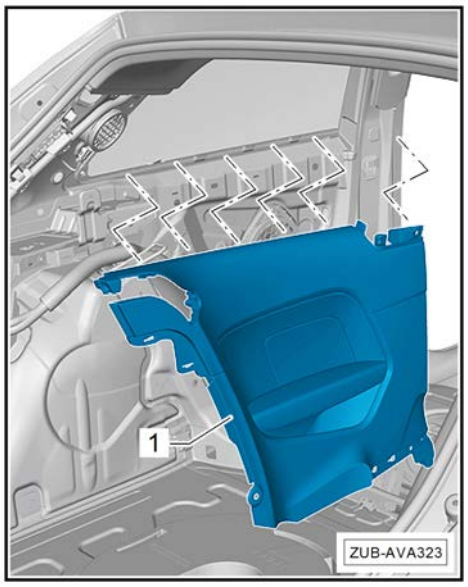
Note

- *If the clips for the trim remain in the mounting points in the body, remove these clips and insert into the trim.*
- *Check the clips for damage or deformation and replace as necessary.*

Removing the left-hand side trim, A3 3-door models

– The rear bench seat has been removed.
– The rear seat backrest has been removed.

– The left-hand luggage compartment side trim has been removed.
– The upper left-hand section of the B-pillar trim has been removed.
– The left-hand sill panel trim has been removed.
– Prise off the side trim -1- using the removal wedge -3409-.
– Disconnect the electrical connection to the loudspeaker.
– Remove the side trim -1-.



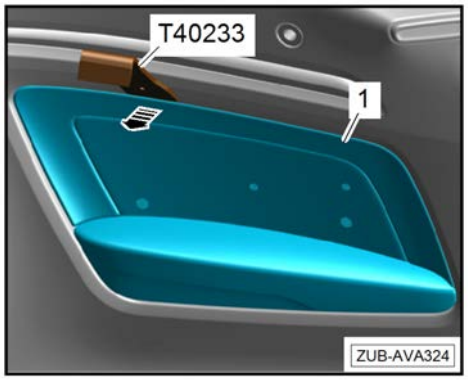
Notes on installation

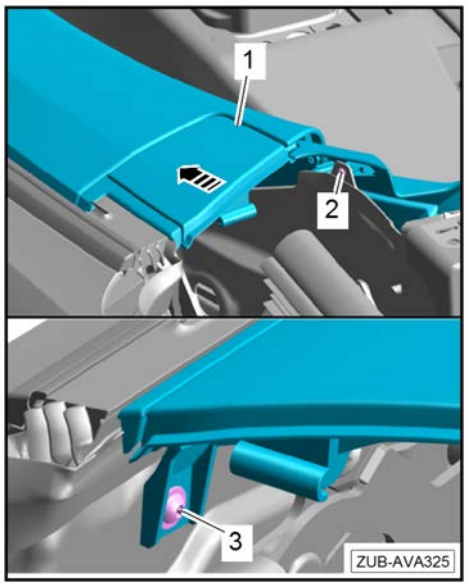
Installation is carried out in reverse order. Please note the following points:

– Connect the electrical connector.

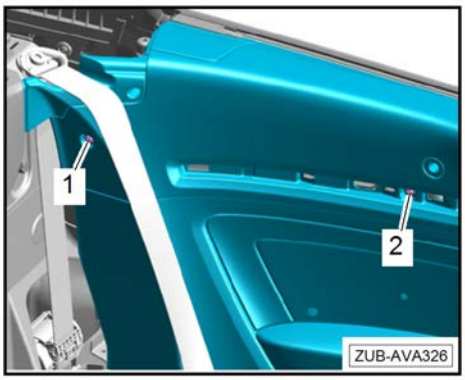
Removing the left-hand side trim, A3 Cabriolet

– Unclip trim panel -1- using the removal wedge -T40233-, starting at the front -arrow-.
– Disengage and detach trim panel -1- on the trim.
– Convertible roof and convertible roof compartment lid is brought into the service position.
– The rear bench seat has been removed.
– The front left-hand belt end anchor has been removed.
– The left-hand sill panel trim has been removed.
– The front of the back panel trim has been removed.
– Push the convertible roof flap -1- forwards -arrow- and remove bolt -3-.
– Unscrew the bolt -2-.

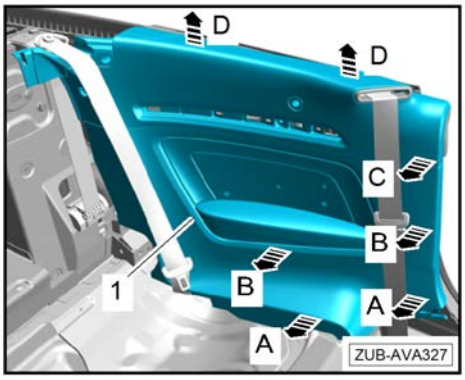




– Unscrew the bolts -1- and -2-.



– Starting from underneath, unclip the side trim -1- from the body -arrows A–C-.
– Carefully disengage the side trim -1- on the window slot -arrow D-.
– Carefully pull the side trim inwards slightly and disconnect the electrical connector for the aerial.
– If fitted, disconnect the electrical connector for the loud-speakers.
– Disengage the side trim towards the front.
– Thread the belt webbing using the latch plate and remove the side trim.



Notes on installation

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

– Connect the electrical connector.

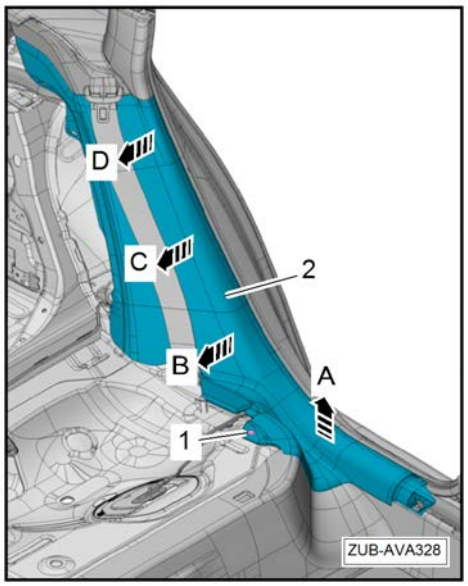
Note

- *If the fasteners or clips for the trim remain in the mounting points in the body, remove these clips and insert them into the trim.*
- *Check the fasteners/clips for damage or deformation and replace if necessary.*

Removing the left-hand wheel housing trim, A3 Sportback, A3 Saloon

– The rear bench seat has been removed.
– A3 Sportback: The lower left-hand section of the B-pillar trim has been removed.
– A3 Saloon: The left-hand sill panel trim has been removed.
– Equipment variant with side padding: The left-hand side padding has been removed.
– The left-hand luggage compartment side trim has been removed.

– Remove expanding clip -1-.
– Unclip the wheel housing trim -2- using the removal wedge -3409-, starting at the front -arrow A-.
– Fold the rear seat backrest forward.
– Unclip the wheel housing trim -2- using the removal lever -80 - 200- -arrows B, C and D-.
– Pull the wheel housing trim downwards out of the belt guide and pull out the C-pillar-trim.



Notes on installation

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

Note

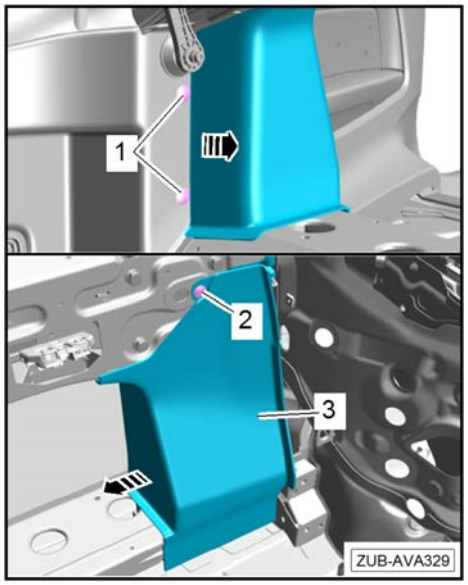
- *If the clips for the trim remain in the mounting points in the body, remove these clips and insert into the trim.*
- *Check the clips for damage or deformation and replace as necessary.*

Remove the left-side back panel trim, A3 Cabriolet, A3 quattro Cabriolet

– The front of the back panel trim has been removed.
– Left-hand side trim has been removed.
– Front luggage compartment trim has been removed.
– Remove expanding clip -2- using the removal lever -80 - 200-.

Expanding clips -1- have already been removed.

– Pull the side of the back panel trim -3- inwards -arrows- and remove by pulling forwards.



Remove the knee air bag with igniter on the driver side ⇒ General body repairs, interior; Rep. gr. 69; Knee air bags; Removing and installing the knee air bag with igniter, driver side

7 Spacer installation instructions

⇒“Installation instructions for positioning the spacer” on page 25

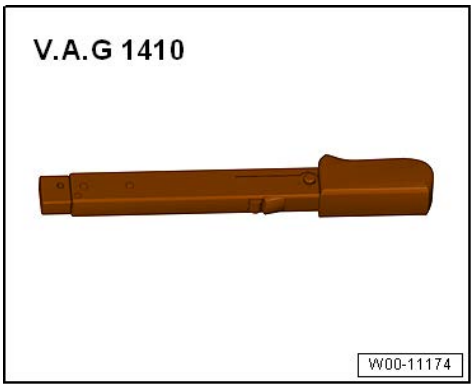
⇒“Installing the spacer for the towing bracket on A3 3-door models” on page 25

⇒“Installing the spacer for the towing bracket on the A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive” on page 25

⇒“Installing the spacer for the towing bracket on the A3 quattro Cabriolet” on page 26

Special tools and workshop equipment required

- Torque wrench -V.A.G 1410-



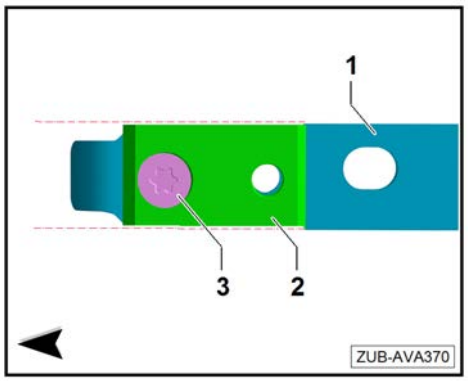
- Torque wrench -V.A.G 1332-



7.1 Installation instructions for positioning the spacer

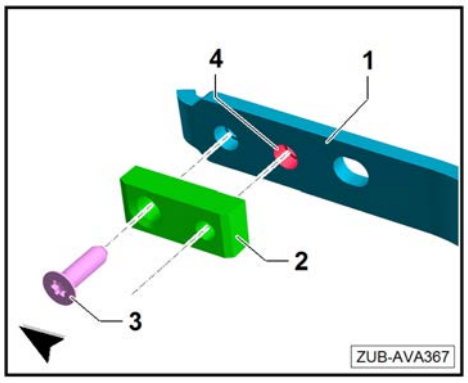
Note

- *When installing the spacer -2-, make sure that it is installed parallel -red line- to the longitudinal member of the towing bracket -1-!*
- *Tighten securing bolt -3- to the required torque.* ⇒Page 9
- *This example shows the installation of the spacer for the towing bracket on A3 3-door models.*



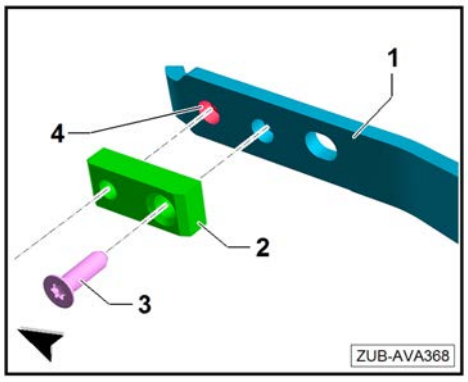
7.2 Installing the spacer for the towing bracket on A3 3-door models

– Mounting position on the towing bracket -1- for the spacer -2- and the securing bolt -3- on A3 3-door models
– Hole -4- must be used to secure the towing bracket -1- on the vehicle body.



7.3 Installing the spacer for the towing bracket on the A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive

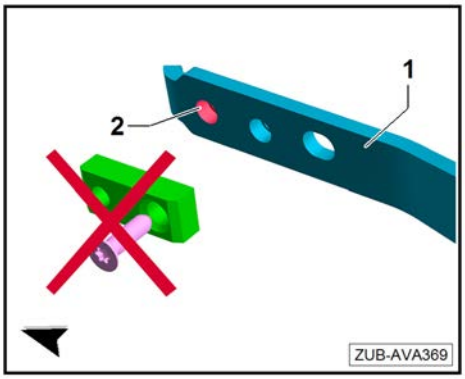
– Mounting position on the towing bracket -1- for the spacer -2- and the securing bolt -3- on the A3 Sportback, A3 Saloon, A3 Cabriolet
– Hole -4- must be used to secure the towing bracket -1- on the vehicle body.



7.4 Installing the spacer for the towing bracket on the A3 quattro Cabriolet

– The spacer and bolt are not fitted on this A3 quattro Cabriolet version.

– Hole -2- must be used to secure the towing bracket -1- on the vehicle body.



8 Assembly overview and tightening torques

⇒ **“Assembly overview of towing bracket with cross member on A3 3-door models” on page 28**

⇒ **“Assembly overview of towing bracket with cross member on A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive” on page 29**

⇒ **“Assembly overview of towing bracket with cross member, A3 quattro Cabriolet” on page 30**

⇒ **“Sealing threaded holes” on page 30**

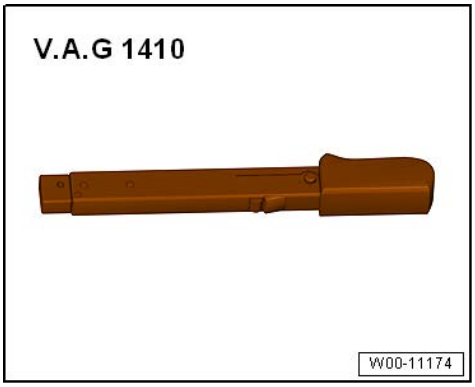
⇒ **“Installing the towing bracket on A3 3-door models” on page 31**

⇒ **“Installing the towing bracket on the A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive” on page 32**

⇒ **“Installing the towing bracket, A3 quattro Cabriolet” on page 33**

Special tools and workshop equipment required

- Torque wrench -V.A.G 1410-



- Torque wrench -V.A.G 1332-



8.1 Assembly overview of towing bracket with cross member on A3 3-door models

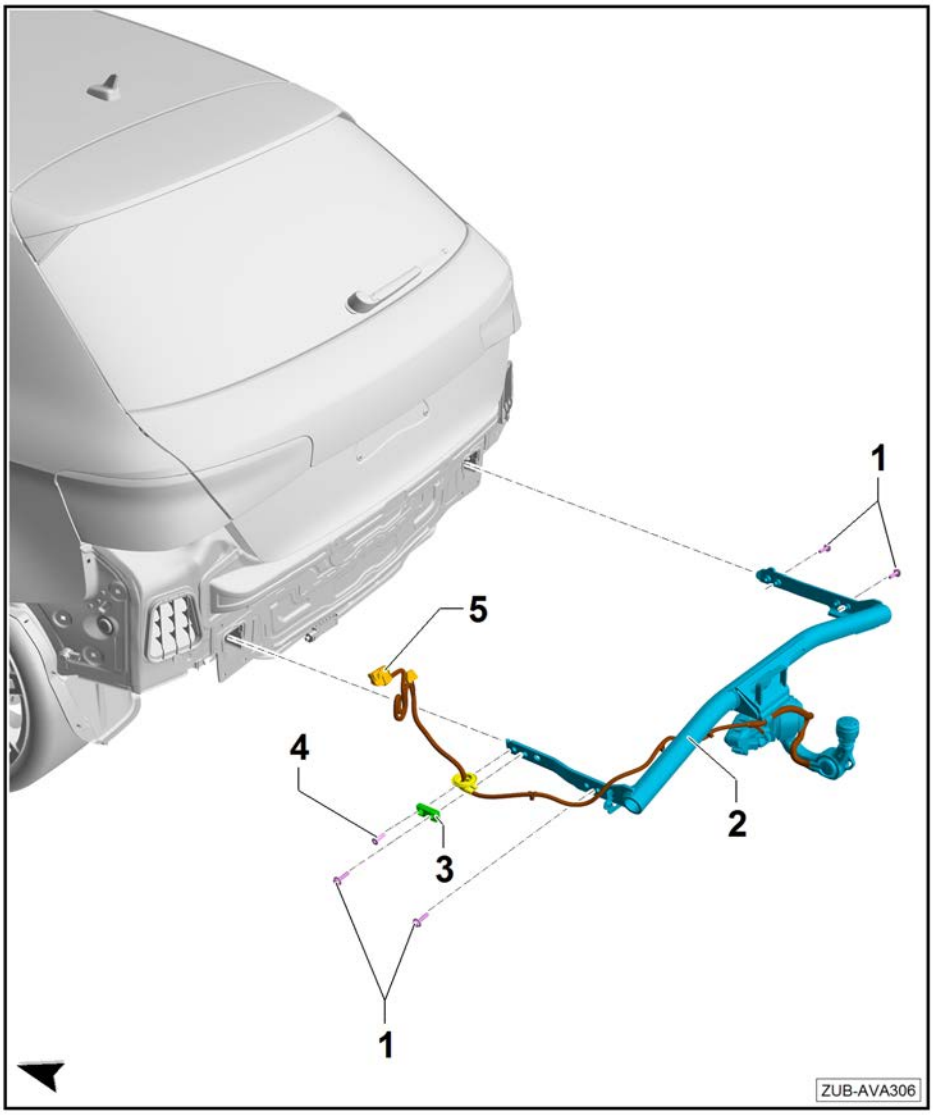
1 - Securing bolts
- ❑ Replace after removal
- ❑ M10 x 45
- ❑ 75 Nm

2 - Trailer towing coupling with cross member
- ❑ Assembly ⇒Page 31

3 - Spacer

4 - Spacer securing bolts
- ❑ 75 Nm

5 - Electrical connection
- ❑ "Socket/electrical release" wiring harness



8.2 Assembly overview of towing bracket with cross member on A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive

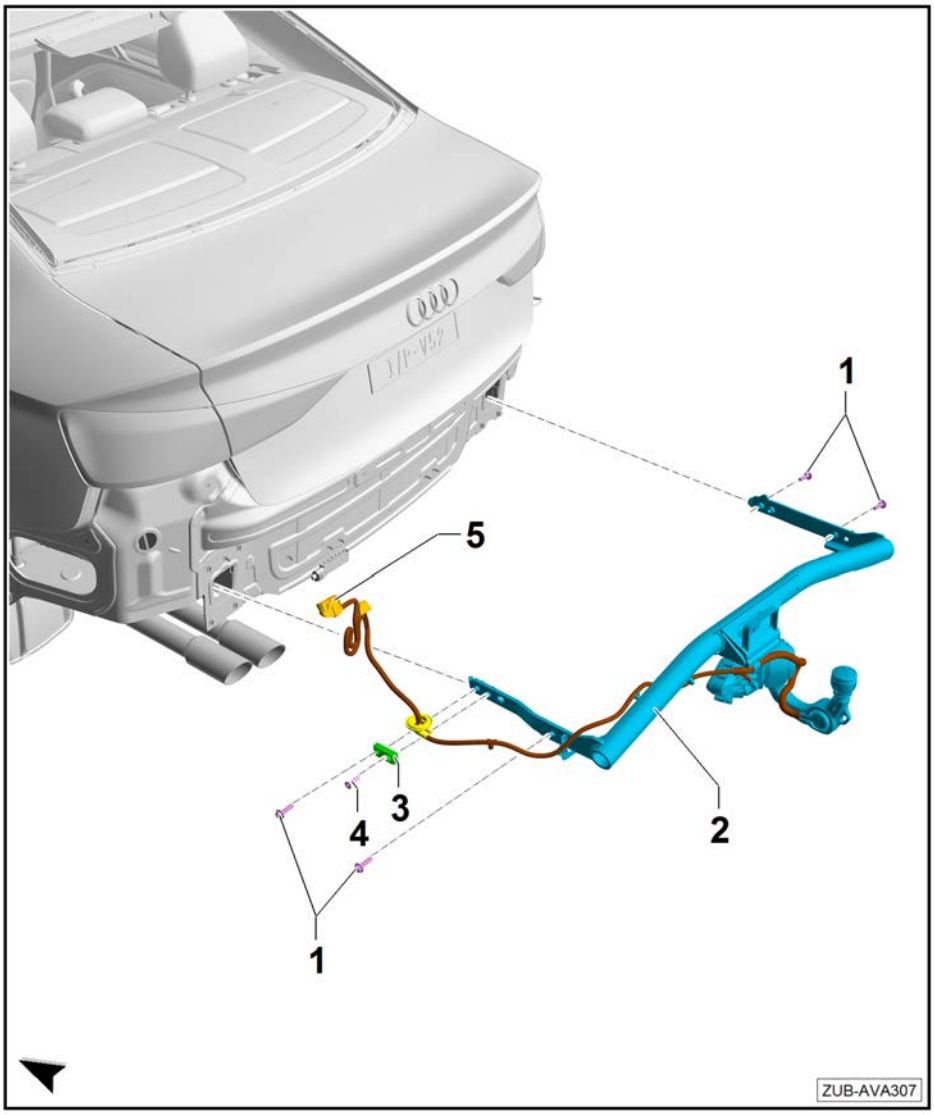
1 - Securing bolts
- ❑ Replace after removal
- ❑ M10 x 45
- ❑ 75 Nm

2 - Trailer towing coupling with cross member
- ❑ Assembly ⇒Page 32

3 - Spacer

4 - Spacer securing bolt
- ❑ 75 Nm

5 - Electrical connection
- ❑ "Socket/electrical release" wiring harness

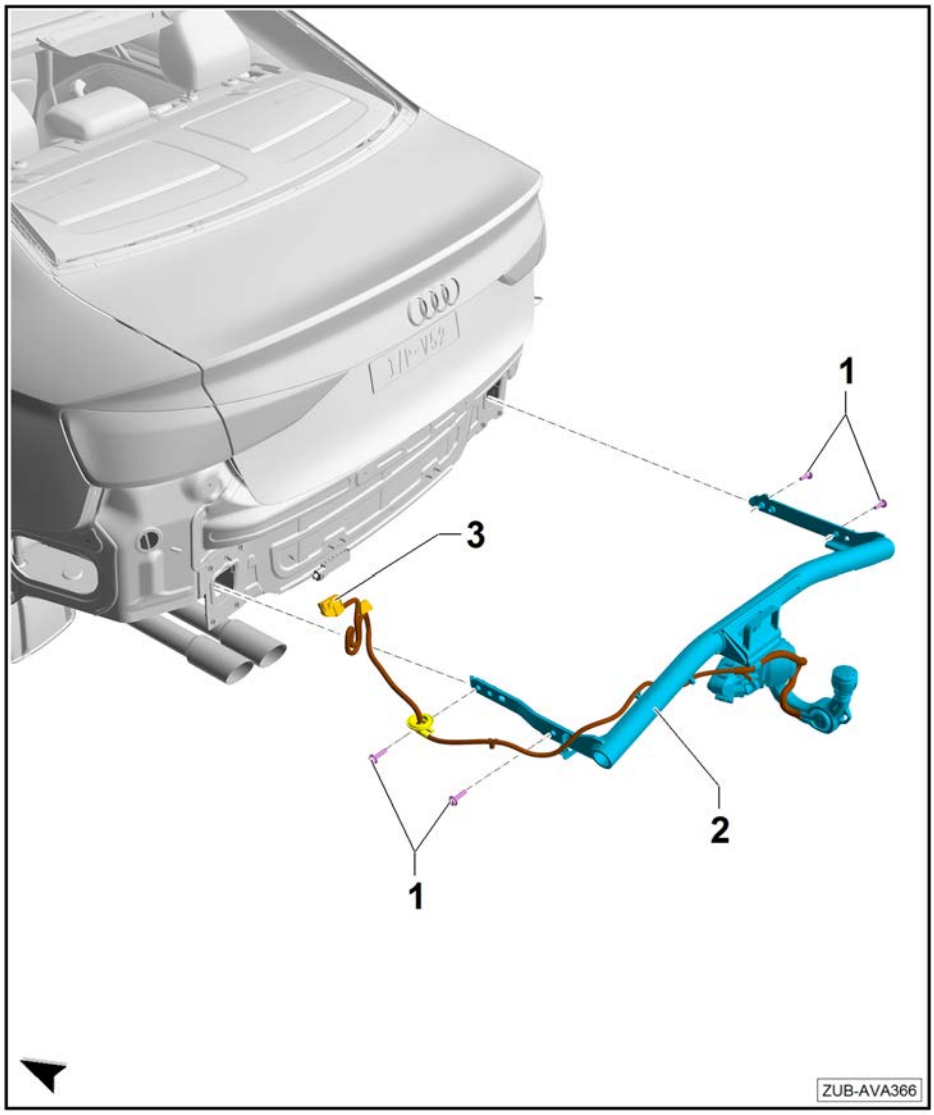


8.3 Assembly overview of towing bracket with cross member, A3 quattro Cabriolet

1 - Securing bolts
- ❑ Replace after removal
- ❑ M10 x 45
- ❑ 75 Nm

2 - Trailer towing coupling with cross member
- ❑ Assembly ⇒Page 32

3 - Electrical connection
- ❑ "Socket/electrical release" wiring harness



8.4 Sealing threaded holes

Special tools and workshop equipment required

- Cartridge gun for bodywork sealant
- Bodywork sealant

Sealing threaded holes

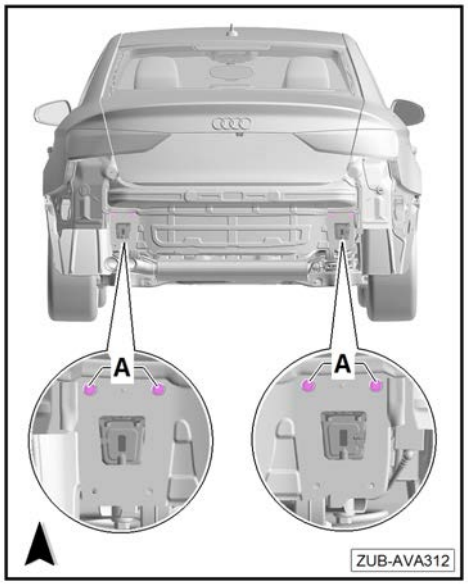
Caution

Threaded holes must be sealed using a suitable bodywork sealant to prevent any moisture from entering them.

– Apply bodywork sealant to securing bolts -A- and screw into the threaded holes.

– Tighten securing bolt -A- to the required torque.

Component	Nm
Securing bolts -A-	20

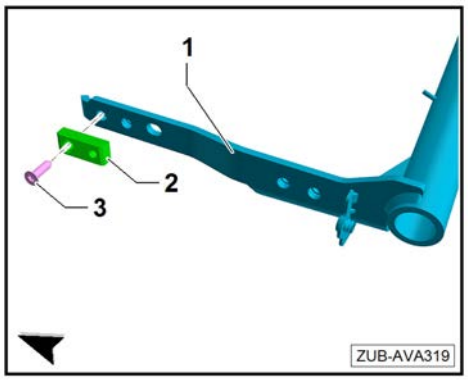


8.5 Installing the towing bracket on A3 3-door models

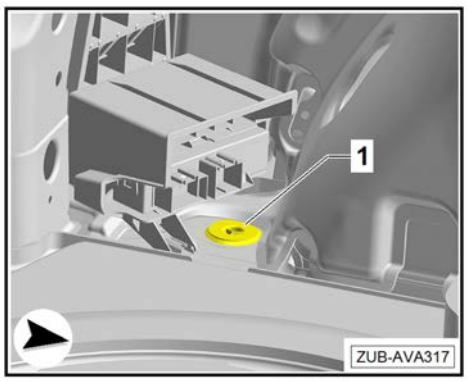
– Install spacer -1- on the towing bracket in the position shown and tighten to the required torque ⇒Page 28.

Note

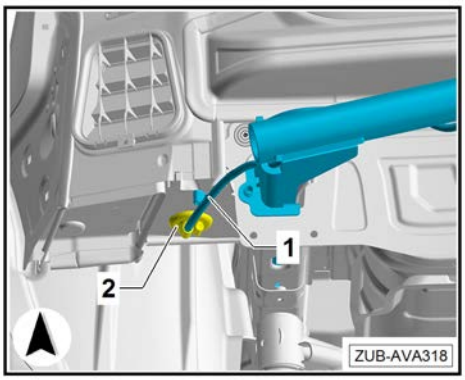
The mounting position of the spacer must be observed!
⇒Page 25



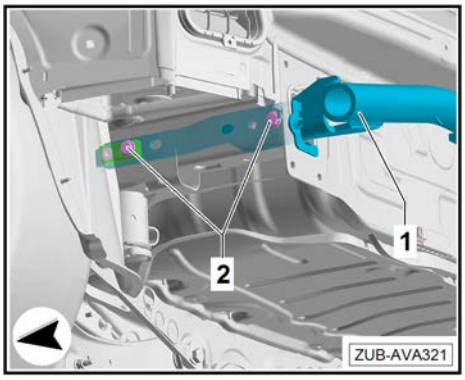
– Remove sealing plugs -1-.



– With the help of a second mechanic, insert the trailer towing coupling with cross member -2- into the ends of the frame.
– Feed the line for the trailer detector control unit -J345- -1- through the opening and insert the grommet -2-.



– Insert the left and right bolts -2- for securing the towing bracket -1- and tighten to the required torque ⇒ Page 28.

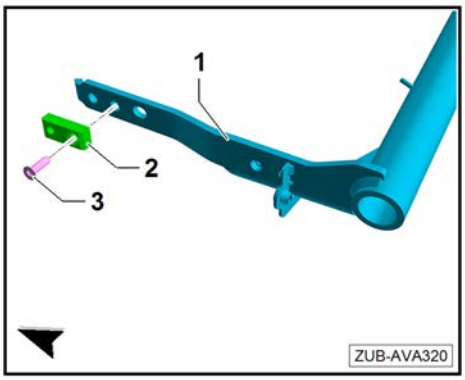


8.6 Installing the towing bracket on the A3 Sportback, A3 Saloon, A3 Cabriolet with front-wheel drive

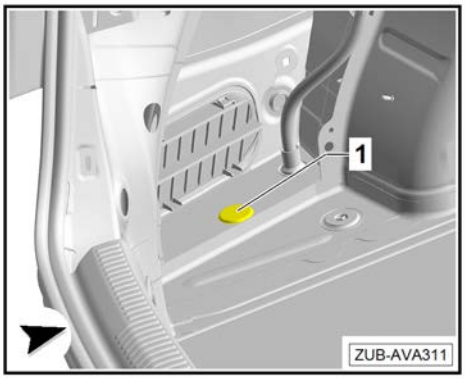
– Install spacer -1- on the towing bracket in the position shown and tighten to the required torque ⇒ Page 29.

Note

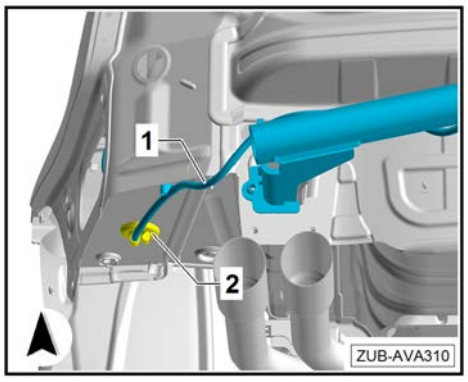
The mounting position of the spacer must be observed!
⇒ Page 25



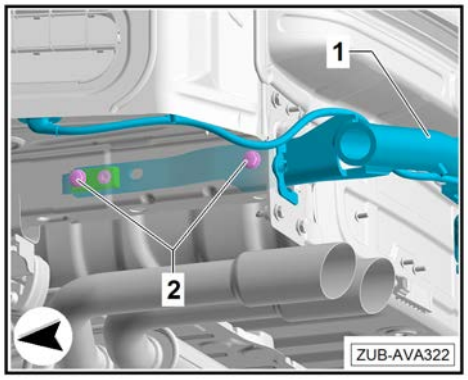
– Remove sealing plugs -1-.



– With the help of a second mechanic, insert the trailer towing coupling with cross member -2- into the ends of the frame.
– Feed the line for the trailer detector control unit -J345- -1- through the opening and insert the grommet -2-.



– Insert the left and right bolts -2- for securing the towing bracket -1- and tighten to the required torque ⇒ Page 29.

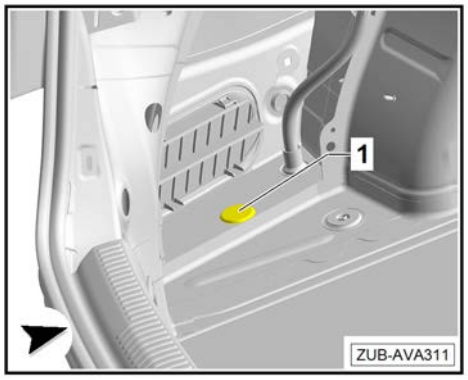


8.7 Installing the towing bracket, A3 quattro Cabriolet

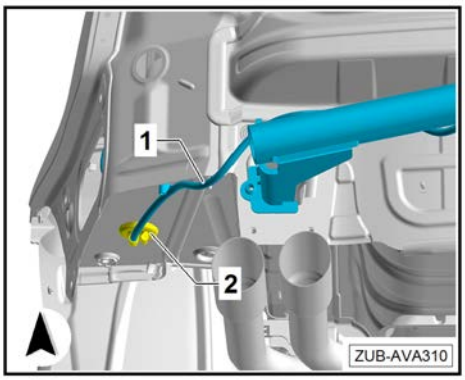
Note

The spacer and the spacer securing bolt are not required on this vehicle type!

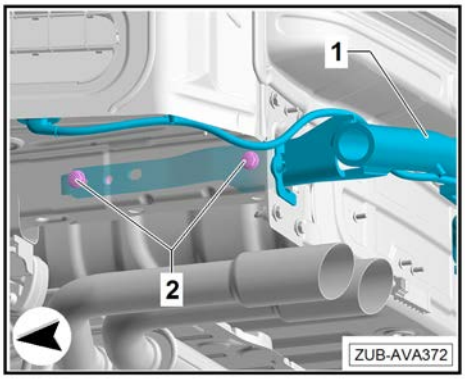
– Remove sealing plugs -1-.



– With the help of a second mechanic, insert the trailer towing coupling with cross member -2- into the ends of the frame.
– Feed the line for the trailer detector control unit -J345- -1- through the opening and insert the grommet -2-.



– Insert the left and right bolts -2- for securing the towing bracket -1- and tighten to the required torque ⇒ Page 30.



8.8 Assembly overview of the luggage compartment electrics

⇒ “Assembly overview of the luggage compartment electrics, A3 3-door models, A3 Sportback” on page 35

⇒ “Assembly overview of the luggage compartment electrics, A3 Saloon” on page 36

⇒ “Assembly overview of the luggage compartment electrics, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet” on page 37

8.8.1 Assembly overview of the luggage compartment electrics, A3 3-door models, A3 Sportback

1 - Earth point, on left in luggage compartment
- ❑ 9 Nm

2 - Retrofit wiring harness routing, on-board supply

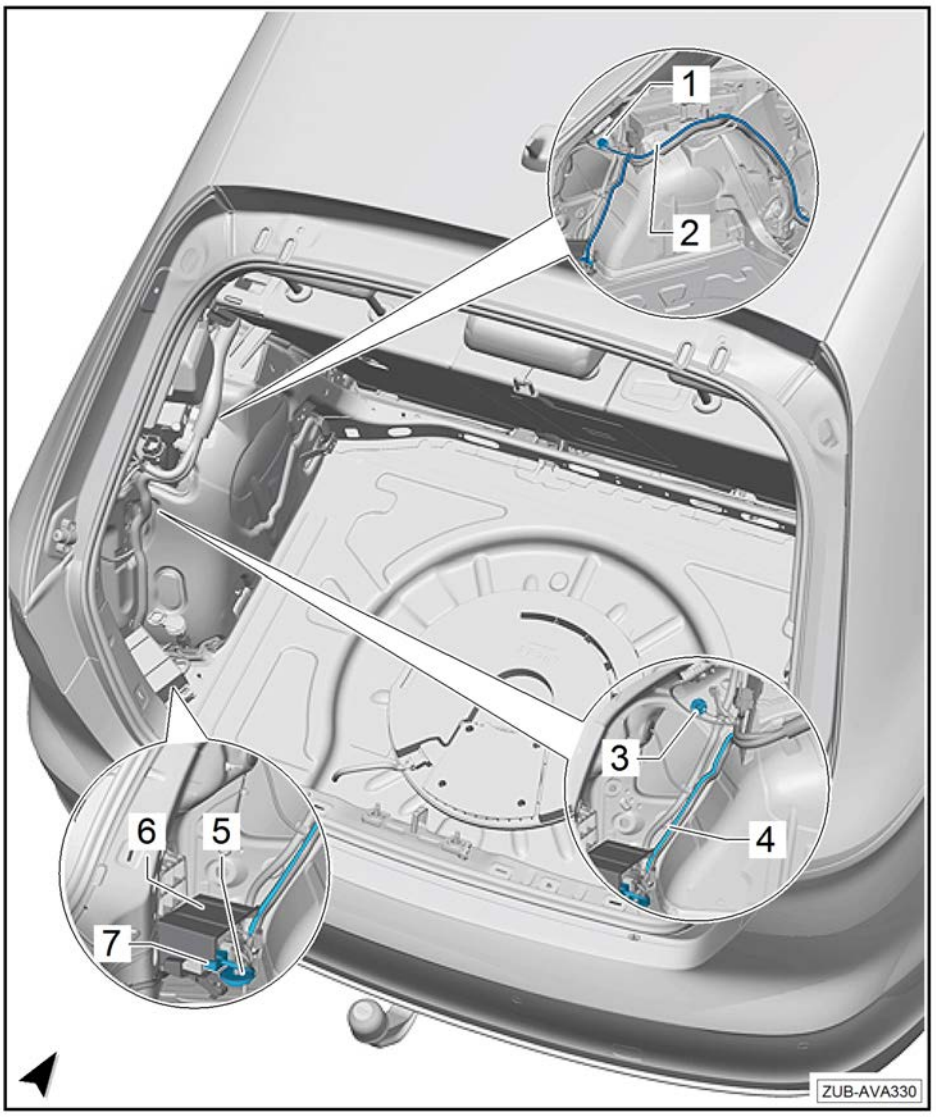
3 - Earth point, on left in luggage compartment
- ❑ 9 Nm

4 - Retrofit wiring harness routing, on-board supply

5 - Retrofit wiring harness opening, socket
- ❑ Use a free body opening from the two existing body openings

6 - Bracket with trailer detector control unit -J345-

7 - Fitting trailer detector control unit -J345-



EN

8.8.2 Assembly overview of the luggage compartment electrics, A3 Saloon

1 - Earth point, on left in luggage compartment
- ❑ 9 Nm

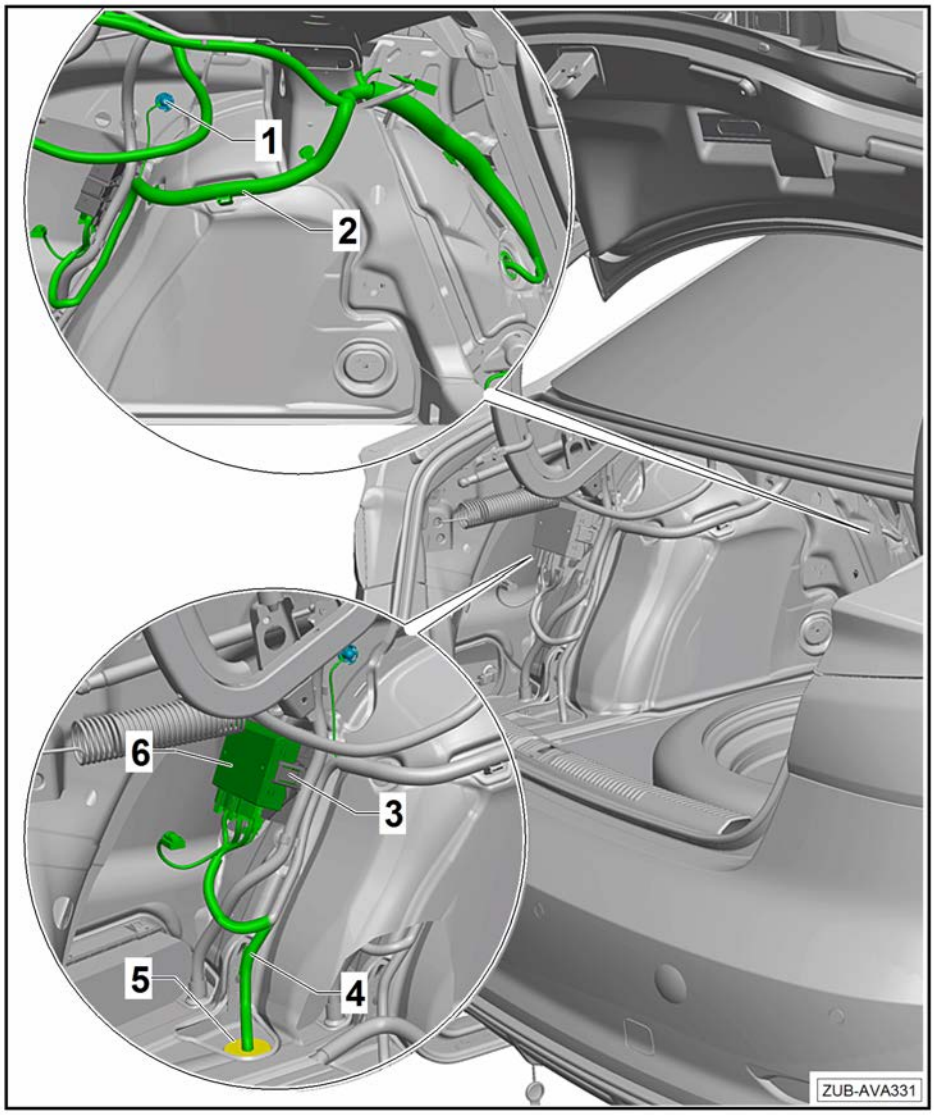
2 - Retrofit wiring harness routing, on-board supply

3 - Bracket with trailer detector control unit -J345-

4 - Retrofit wiring harness routing, socket

5 - Retrofit wiring harness opening, socket
- ❑ Use a free body opening from the two existing body openings

6 - Fitting trailer detector control unit -J345-



8.8.3 Assembly overview of the luggage compartment electrics, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

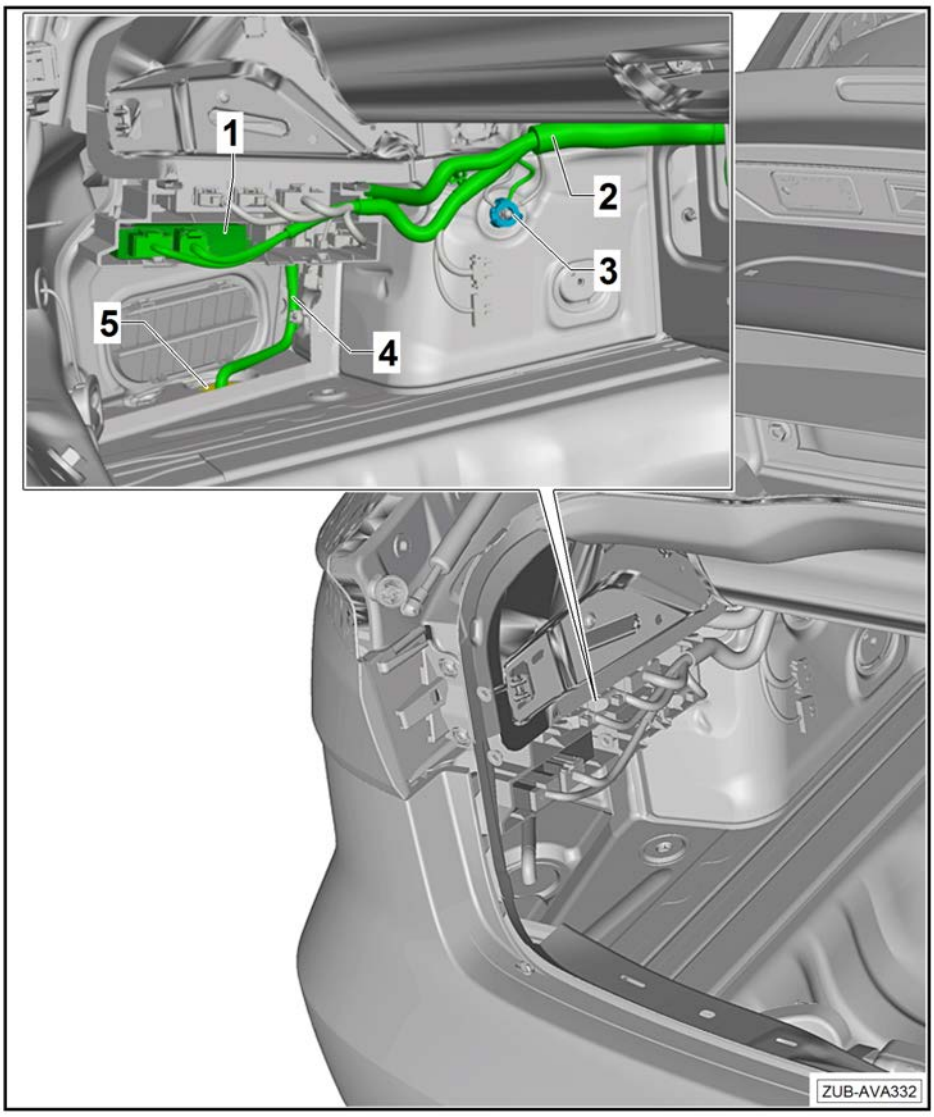
1 - Fitting trailer detector control unit -J345-

2 - Retrofit wiring harness routing, on-board supply

3 - Earth point, on left in luggage compartment
- ❑ 9 Nm

4 - Retrofit wiring harness routing, socket

5 - Retrofit wiring harness opening, socket
- ❑ Use a free body opening from the two existing body openings



EN

8.9 Assembly overview of cockpit electrics

1 - Connector A on the on-board supply control unit -J519-
- ❑ CAN bus connection
- ❑ Terminal 15

2 - Connector C on the on-board supply control unit -J519-
- ❑ Brake light connection

3 - Fuse 4, terminal 30

4 - Fuse 3, terminal 30

5 - Fuse 2, terminal 30

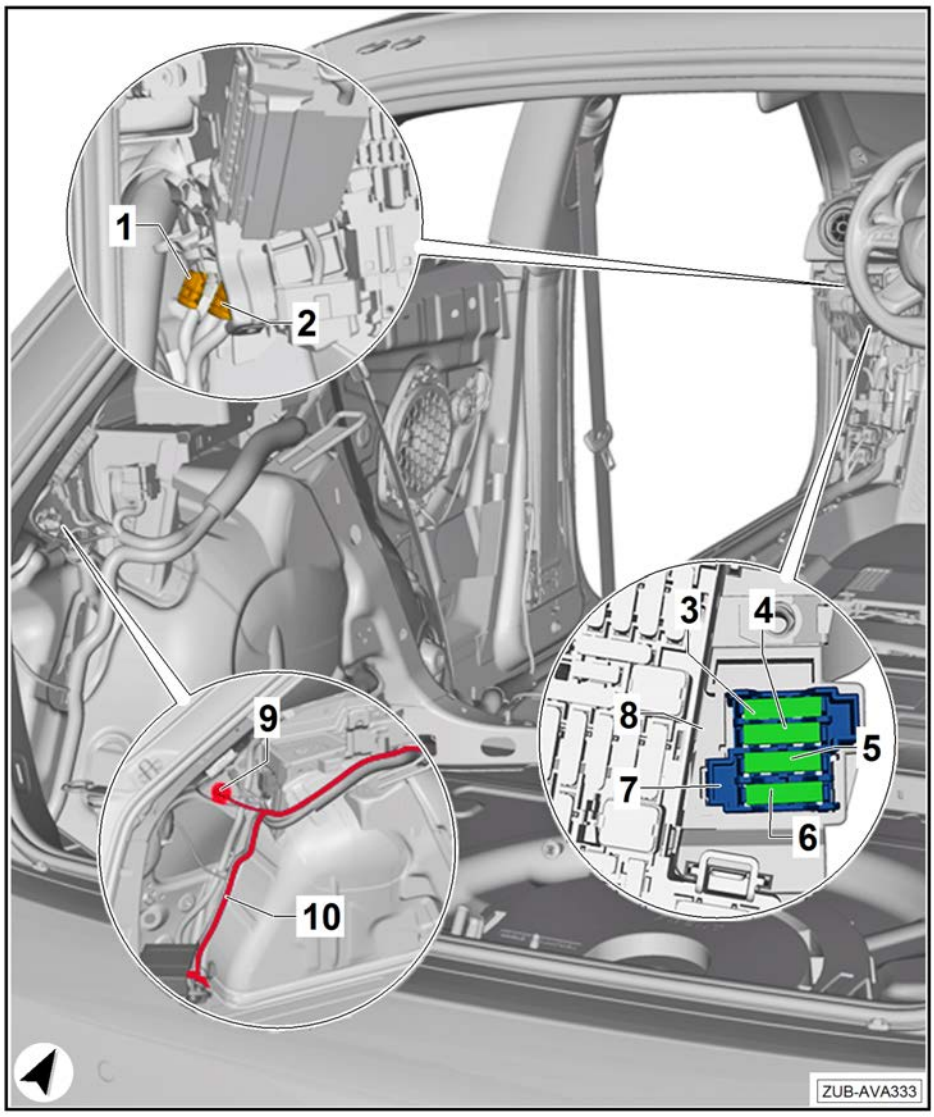
6 - Fuse 1, terminal 30

7 - 4-slot fuse adapter
- ❑ On the holder for the on-board supply control unit -J519- behind the dash panel cover on the driver side

8 - Bracket
- ❑ For the on-board supply control unit -J519-

9 - Wiring connection for earth point on left in luggage compartment

10 - Retrofit wiring harness routing, on-board supply



9 Electrical connection without preparation (1D0)

⇒ **“Installing the control unit bracket” on page 39**

⇒ **“Installing the trailer detector control unit J345” on page 40**

⇒ **“Connecting the towing bracket connector for the socket/ electrical release to trailer detector control unit J345” on page 42**

⇒ **“Installing the onboard supply retrofit wiring harness” on page 42**

⇒ **“Removing the relay and fuse carrier” on page 44**

⇒ **“Establishing the power supply to terminal 30” on page 45**

⇒ **“Connecting the CAN bus/terminal 15/brake light signal” on page 45**

⇒ **“Connecting button illumination” on page 47**

9.1 Installing the control unit bracket

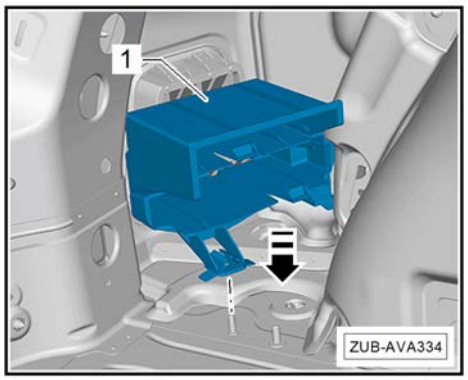
⇒ **“Installing the control unit bracket, A3 3-door models, A3 Sportback” on page 39**

⇒ **“Install the control unit bracket, A3 Saloon” on page 39**

9.1.1 Installing the control unit bracket, A3 3-door models, A3 Sportback

In vehicles without a control unit bracket in the rear left of the luggage compartment, bracket 8V0.907.333 must also be installed.

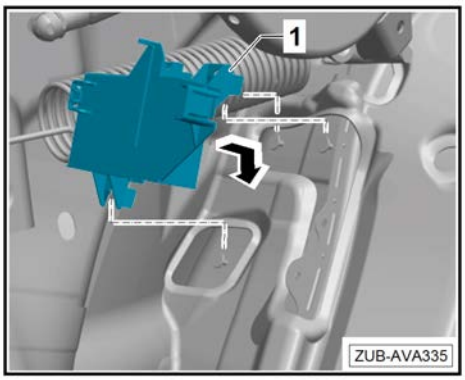
– Fit the bracket -1- onto the threaded bolts -arrow-.



9.1.2 Install the control unit bracket, A3 Saloon

In vehicles without a control unit bracket in the rear left-hand side of the luggage compartment, bracket 8V5.907.333 must also be installed.

– Fit the bracket -1- onto the bolts and push the bracket downwards to lock -arrow-.



9.2 Installing the trailer detector control unit J345

⇒ **“Installing the control unit for the trailer detector control unit -J345-, A3 3-door models, A3 Sportback” on page 40**

⇒ **“Installing the control unit for the trailer recognition control unit -J345-, A3 Saloon” on page 41**

⇒ **“Installing the trailer detector control unit -J345-, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet” on page 41**

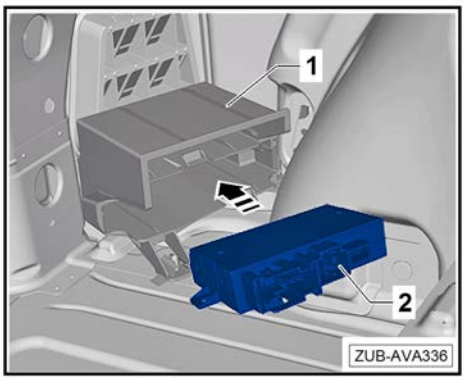
9.2.1 Installing the control unit for the trailer detector control unit -J345-, A3 3-door models, A3 Sportback

In vehicles without the preparation for towing bracket, the trailer detector control unit -J345-must be installed.

Preparatory work

- The battery has been disconnected.
- The left-hand luggage compartment side trim has been removed.
- Control unit bracket has been fitted ⇒ Page 39.

– Insert the trailer detector control unit -J345- -2- into the bracket -1- -arrow-.



The trailer detector control unit -J345- -2- engages in the bracket -1-.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

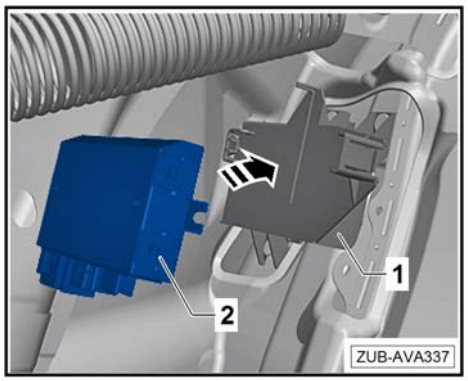
9.2.2 Installing the control unit for the trailer recognition control unit -J345-, A3 Saloon

The trailer detector control unit -J345-must be installed in vehicles with the preparation for the towing attachment.

Preparatory work

- The battery has been disconnected.
- The left-hand luggage compartment side trim has been removed.
- Control unit bracket has been fitted ⇒Page 39.

– Clip the trailer detector control unit -J345- -2- into the bracket -1- -arrow-.



The trailer detector control unit -J345- -2- engages in the bracket -1-.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

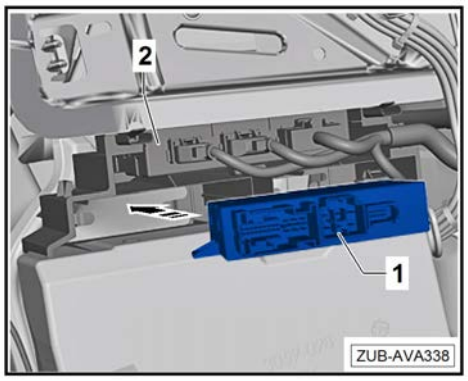
9.2.3 Installing the trailer detector control unit -J345-, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

The trailer detector control unit -J345-must be installed in vehicles with the preparation for the towing attachment.

Preparatory work

- The battery has been disconnected.
- The left-hand luggage compartment side trim has been removed.

– Insert the trailer detector control unit -J345- -1- into the bracket -2- -arrow-.



The trailer detector control unit -J345- -1- engages in the bracket -2-.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

9.3 Connecting the towing bracket connector for the socket/electrical release to trailer detector control unit J345

Applies to all vehicles

– Connect the towing bracket connector for the socket/electrical release into the trailer detector control unit -J345- and fasten using the white bracket.

Note

Fix any excess wire lengths in position with a cable tie to prevent noise.

9.4 Installing the onboard supply retrofit wiring harness

⇒“Installing the “on-board supply” retrofit wiring harness, A3 3-door models, A3 Sportback” on page 42

⇒“Installing the “on-board supply” retrofit wiring harness, A3 Saloon” on page 43

⇒“Installing the “on-board supply” retrofit wiring harness, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet” on page 44

9.4.1 Installing the “on-board supply” retrofit wiring harness, A3 3-door models, A3 Sportback

The “on-board supply” retrofit wiring harness is only installed on vehicles without the preparation for towing bracket.

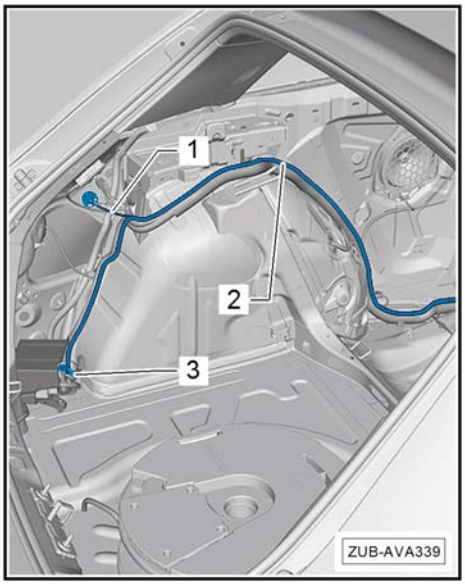
Installation

– Route the retrofit wiring harness -2- along the standard wiring harness to the trailer detector control unit -J345- and connect to the trailer detector control unit -J345- -3-.

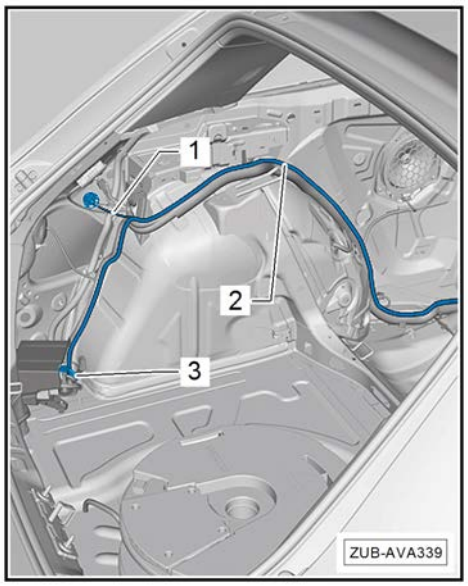
– Establish the earth connection -1-.

– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.



– Route the retrofit wiring harness -2- along the standard wiring harness to the relay and fuse carrier behind the shelf on the front passenger side.
– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.



Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

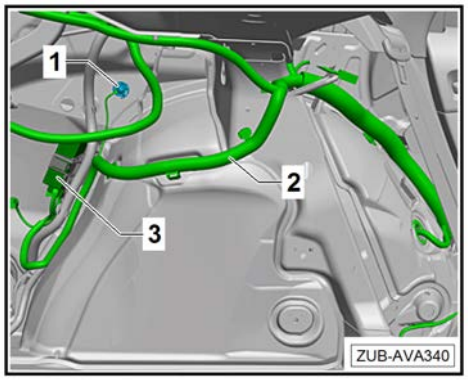
Earth point tightening torque: 9 Nm

9.4.2 Installing the “on-board supply” retrofit wiring harness, A3 Saloon

The “on-board supply” retrofit wiring harness is only installed on vehicles without the preparation for towing bracket.

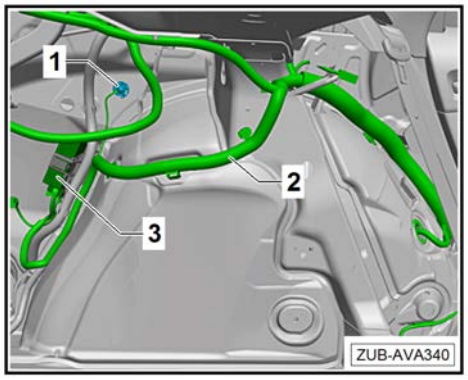
Installation

– Route the retrofit wiring harness -2- along the standard wiring harness to the trailer detector control unit -J345- and connect to the trailer detector control unit -J345- -3-.
– Establish the earth connection -1-.
– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.



The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

– Route the retrofit wiring harness -2- along the standard wiring harness to the relay and fuse carrier behind the shelf on the front passenger side.
– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.



Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

Earth point tightening torque: 9 Nm

9.4.3 Installing the “on-board supply” retrofit wiring harness, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

The “on-board supply” retrofit wiring harness is only installed on vehicles without the preparation for towing bracket.

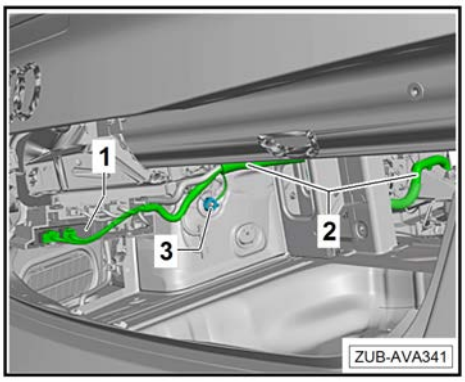
Installation

– Route the retrofit wiring harness -2- along the standard wiring harness to the trailer detector control unit -J345- and connect to the trailer detector control unit -J345- -1-.

– Establish the earth connection -3-.

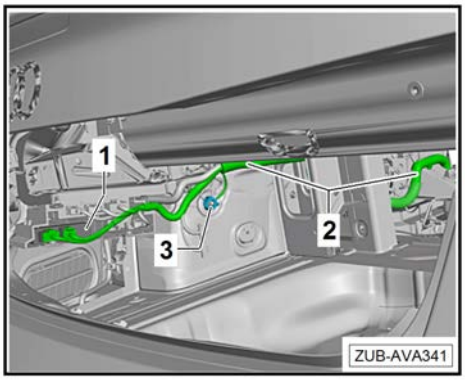
– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.



– Route the retrofit wiring harness -2- along the standard wiring harness to the relay and fuse carrier behind the shelf on the front passenger side.

– Secure the retrofit wiring harness -2- to the standard wiring harness using cable ties.



Notes on further installation

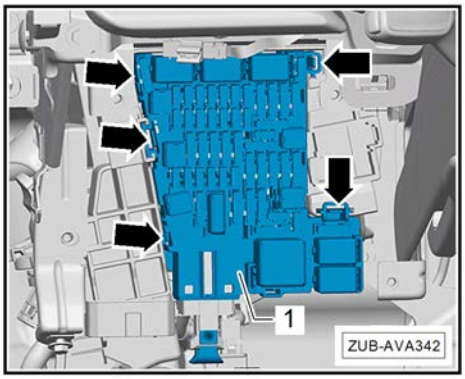
> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

Earth point tightening torque: 9 Nm

9.5 Removing the relay and fuse carrier

Removal

– Press the spring catches -arrows- and remove the relay and fuse carrier -1- from the bracket.



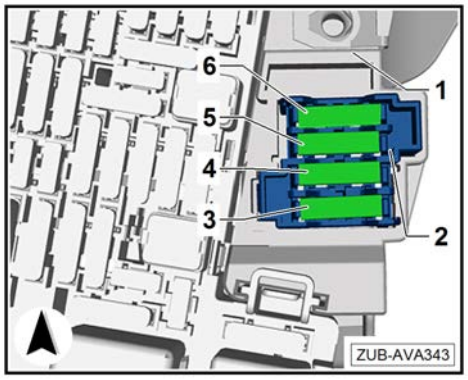
Notes on installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

9.6 Establishing the power supply to terminal 30

Terminal 30 is supplied with power via the 4-slot fuse adapter behind the dash panel cover on the driver side (fuse adapter is reinstalled and fuses 1, 2, 3 and 4 are reconnected).

Installing the 4-slot fuse adapter and wire for terminal 30



– Insert the fuse contacts of the retrofit wiring harness into slots 1b, 2b 3b and 4b on the fuse adapter.

3 - Contact 1b: red/black wire

4 - Contact 2b: red wire

5 - Contact 3b: red/blue wire

6 - Contact 4b: red/green wire

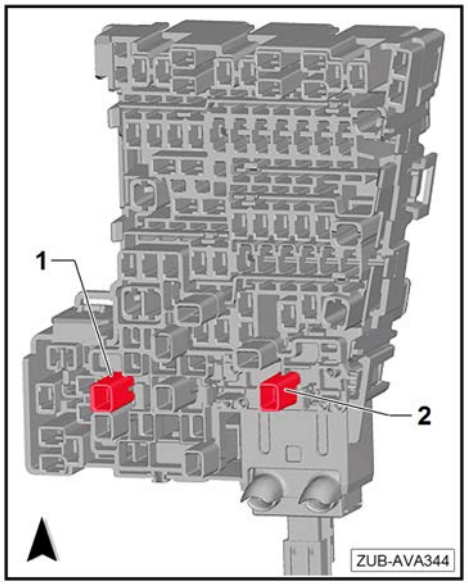
– Insert fuses 1 2, 3 and 4.

3 - Fuse 1: 25 A

4 - Fuse 2: 15 A

5 - Fuse 3: 25 A

6 - Fuse 4: 15 A



– Insert the fuse contacts from the 4-slot fuse adapter into the contacts D122 and J126 on the fuse carrier.

1 - Contact D122: wire for fuses 1 and 2

2 - Contact J126: wire for fuses 3 and 4

– Push the protective caps onto the fuse carrier until the protective caps audibly engage.

– Push the 4-slot fuse adapter -2- into the bracket -1- for the onboard supply control unit -J519- until it audibly engages.

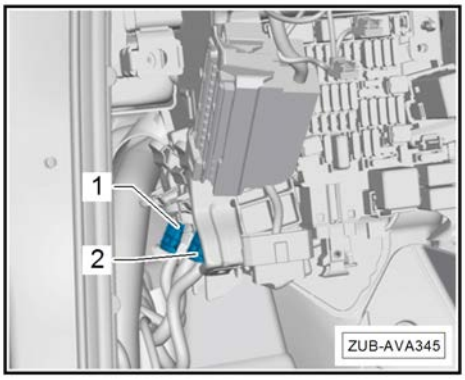
> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

9.7 Connecting the CAN bus/terminal 15/ brake light signal

The CAN bus/terminal 15/brake light signal is connected to the on-board supply control unit -J519- behind the dash panel cover on the driver side/behind the glove compartment. Connectors A and C on the on-board supply control unit -J519-are used.

Installing the wire for the CAN bus/terminal 15 (connector A)

– Release and disconnect connector A -1- on the onboard supply control unit -J519-.



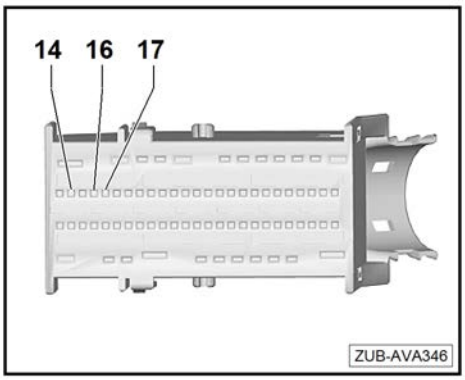
– Open the connector housing and unpin contacts 14, 16 and 17.

– Pin the corresponding contacts of the retrofit wiring harness (Y-wire) into connector A.

◆ Pin 14: terminal 15, black

◆ Pin 16: CAN bus high, orange/green

◆ Pin 17: CAN bus low, orange/brown



– Pin contacts 14, 16 and 17 from connector A into the loose black 3-pin contact housing.

Pin 1 - Terminal 15, black

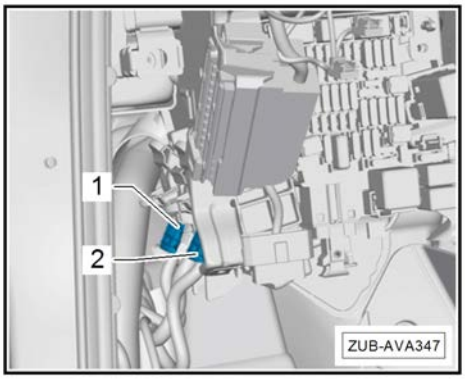
Pin 2 - CAN bus high, orange/green

Pin 3 - CAN bus low, orange/brown

– Connect the black 3-pin contact housing that was just pinned to the black 3-pin connector housing on the retrofit harness.

Installing the wire for the brake light signal (connector C)

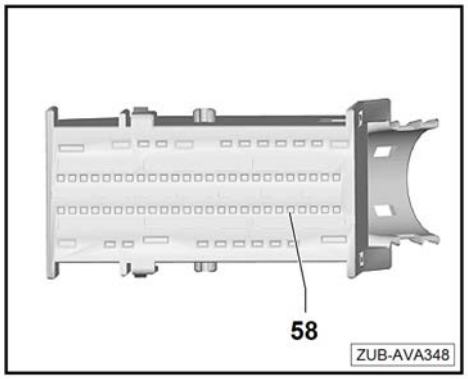
– Release and disconnect connector C -2- on the onboard supply control unit -J519-.



– Open the connector housing and unpin contact 58.
– Pin the corresponding contact of the retrofit wiring harness (Y-wire) into connector C.

◆ Pin 58: brake light, black/red

– Pin contact 58 from connector C into the loose white 3-pin contact housing of chamber 2.

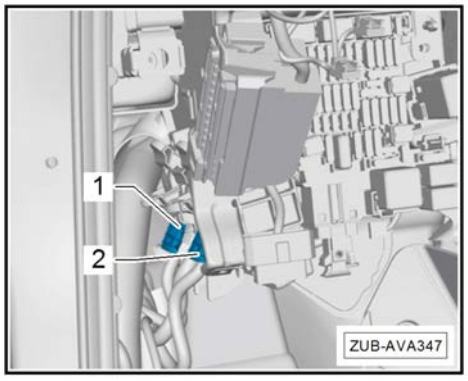


> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

9.8 Connecting button illumination

Installing the wire for the signal button illumination (connector C)

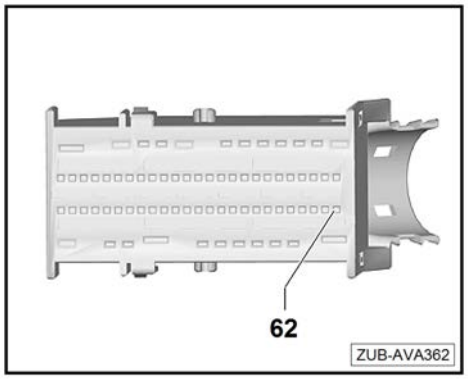
– The pin button illumination is also located in connector C -2- on the onboard supply control unit -J519-.



– Unpin contact 62.
– Pin the corresponding contact of the retrofit wiring harness (Y-wire) into connector C.

◆ Pin 62: button illumination yellow/black

– Pin contact 62 from connector C into the loose white 3-pin contact housing of chamber 1.



Notes on further installation

– Close the connector housing back up and attach to the on-board supply control unit -J519-.

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

9.9 Integrating the CAN bus

Applies to vehicles with towing bracket preparation (1M5)

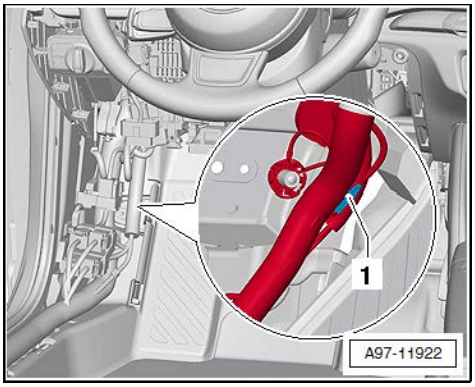
The CAN bus is integrated by connecting the wires to the left-hand A-pillar. The connector is connected at the standard wiring harness.

Connecting the CAN bus

– Connect the connector -1-.

Check for secure engagement.

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***



10 Electrical connection with towing bracket preparation (1M5)

⇒“Installing the retrofit wiring harness for the “towing bracket release button”” on page 49

⇒“Installing the “neutral supply” retrofit wiring harness for the towing bracket” on page 51

10.1 Installing the retrofit wiring harness for the “towing bracket release button”

⇒“Installing the retrofit wiring harness for the “towing bracket electrical release button”, A3 3-door models, A3 Sportback” on page 49

⇒“Installing the retrofit wiring harness for the “towing bracket electrical release button”, A3 Saloon” on page 50

⇒“Installing the retrofit wiring harness and additional wiring harness 8V0.055.307.B for the “towing bracket electrical release button”, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet” on page 50

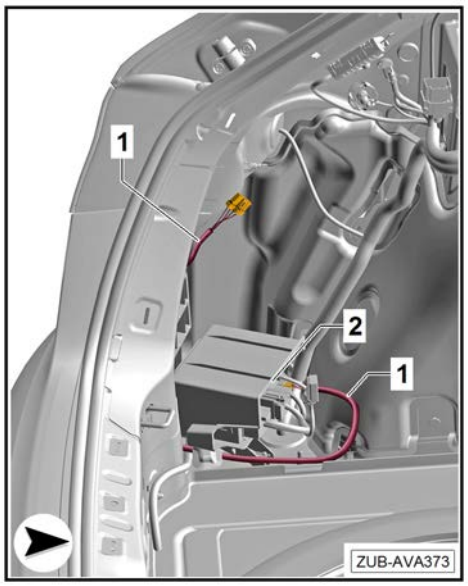
10.1.1 Installing the retrofit wiring harness for the “towing bracket electrical release button”, A3 3-door models, A3 Sportback

The “towing bracket electrical release button” -1- retrofit wiring harness is installed only in models with preparation for towing bracket.

Installation

– Connect the retrofit wiring harness -1- to the trailer detector control unit -J345- -2-.

– Route the retrofit wiring harness -1- in a backwards direction along the standard wiring harness towards the towing bracket electrical release switch and secure using cable ties.



The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Depending on the vehicle and equipment variant, a new luggage compartment side trim must be ordered ⇒Page 13.

– Connect the retrofit wiring harness -1- after installing the towing bracket electrical release switch Cross reference error: reference link ID='X-BNFFKYU32LB' not found.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

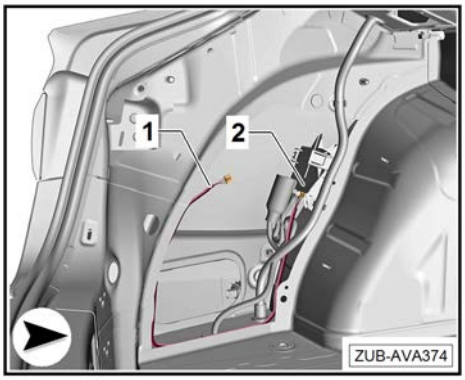
10.1.2 Installing the retrofit wiring harness for the “towing bracket electrical release button”, A3 Saloon

The “towing bracket electrical release button” -1- retrofit wiring harness is installed only in models with preparation for towing bracket.

Installation

– Connect the retrofit wiring harness -1- to the trailer detector control unit -J345- -2-.

– Route the retrofit wiring harness -1- in a backwards direction along the standard wiring harness towards the towing bracket electrical release switch and secure using cable ties.



The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Depending on the vehicle and equipment variant, a new luggage compartment side trim must be ordered ⇒Page 13.

– Connect the retrofit wiring harness -1- after installing the towing bracket electrical release switch Cross reference error: reference link ID='X-BNFFKYU32LB' not found.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

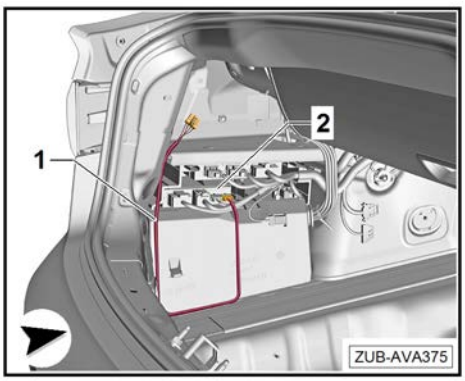
10.1.3 Installing the retrofit wiring harness and additional wiring harness 8V0.055.307.B for the “towing bracket electrical release button”, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

The “towing bracket electrical release button” -1- retrofit wiring harness is installed only in models with preparation for towing bracket.

Installation

– Connect the retrofit wiring harness -1- to the trailer detector control unit -J345- -2-.

– Route the retrofit wiring harness -1- on the standard wiring harness towards the rear cross panel.

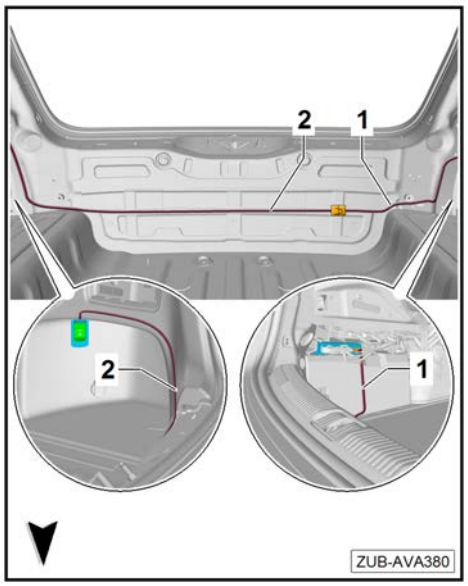


– Connect the additional wiring harness 8V0.055.307.B -2- to the retrofit wiring harness -1- and continue routing on the standard wiring harness of the rear cross panel towards the right-hand side of the vehicle.
– Secure the retrofit wiring harness -1- and additional wiring harness 8V0.055.307.B -2- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Depending on the vehicle and equipment variant, a new luggage compartment side trim must be ordered ⇒Page 13 Cross reference error: reference link ID='X-BNFFKYU32LB' not found.

– Connect additional wiring harness 8V0.055.307.B -2- after installing the towing bracket electrical release switch into the luggage compartment side trim Cross reference error: reference link ID='X-BNFFKYU32LB' not found.



Notes on further installation

> ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

10.2 Installing the “neutral supply” retrofit wiring harness for the towing bracket

⇒“Installing the “neutral supply” wiring harness for the towing bracket, A3 3-door models, A3 Sportback” on page 51

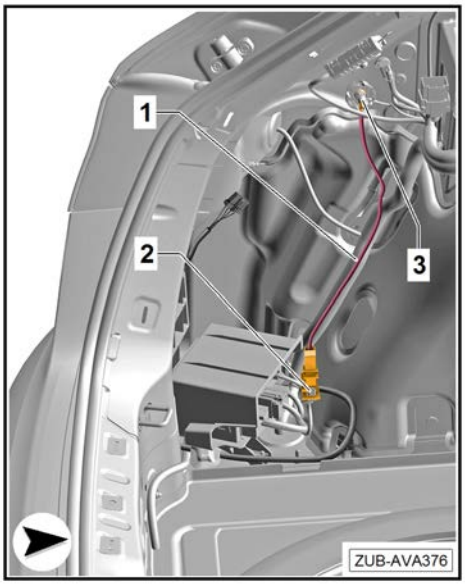
⇒“Installing the “neutral supply” wiring harness for the towing bracket, A3 Saloon” on page 52

⇒“Installing the “neutral supply” wiring harness for the towing bracket, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet” on page 53

10.2.1 Installing the “neutral supply” wiring harness for the towing bracket, A3 3-door models, A3 Sportback

The “neutral supply” wiring harness is only installed on vehicles without the preparation for towing bracket.

Installation



- Connect the “neutral supply” wiring harness -1- and the individual earth connection of the "socket/electrical release" retrofit wiring harness -2- together.
- Route the “neutral supply” wiring harness -1- along the standard wiring harness to the earth point.
- Establish the earth connection -3-.
- Secure the “neutral supply” retrofit wiring harness -1- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Notes on further installation

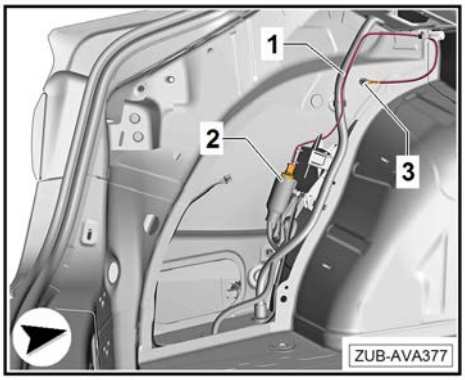
> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

Earth point tightening torque: 9 Nm

10.2.2 Installing the “neutral supply” wiring harness for the towing bracket, A3 Saloon

The “neutral supply” wiring harness is only installed on vehicles without the preparation for towing bracket.

Installation



- Connect the “neutral supply” wiring harness -1- and the individual earth connection of the "socket/electrical release" retrofit wiring harness -2- together.
- Route the “neutral supply” wiring harness -1- along the standard wiring harness to the earth point.
- Establish the earth connection -3-.
- Secure the “neutral supply” retrofit wiring harness -1- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Notes on further installation

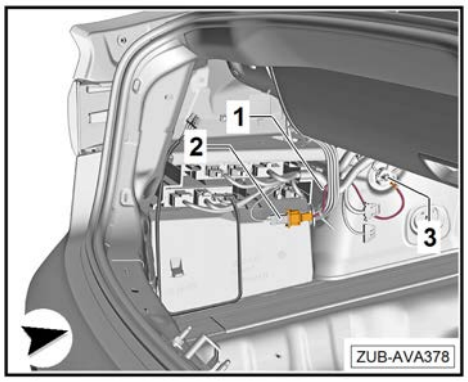
> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

Earth point tightening torque: 9 Nm

10.2.3 Installing the “neutral supply” wiring harness for the towing bracket, A3 Cabriolet with front-wheel drive, A3 quattro Cabriolet

The “neutral supply” wiring harness is only installed on vehicles without the preparation for towing bracket.

Installation



– Connect the “neutral supply” wiring harness -1- and the individual earth connection of the "socket/electrical release" retrofit wiring harness -2- together.
– Route the “neutral supply” wiring harness -1- along the standard wiring harness to the earth point.
– Establish the earth connection -3-.
– Secure the “neutral supply” retrofit wiring harness -1- to the standard wiring harness using cable ties.

The wires must be secured with cable ties to stop them from “slipping” or “wearing”.

Notes on further installation

> ⚠ ***WARNING***
>
> ***DO NOT connect the battery!***
>
> ***The battery is reconnected ONCE ALL WORK HAS BEEN COMPLETED.***

Earth point tightening torque: 9 Nm

EN

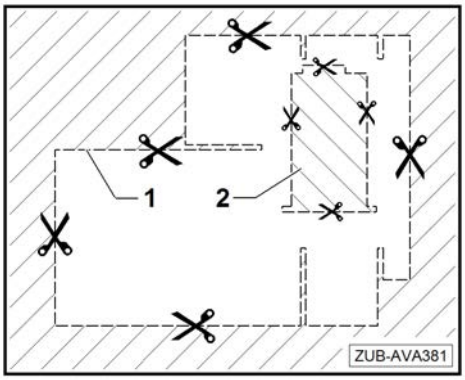
11 Concluding operations

11.1 Making the opening for towing bracket electrical release button -E474-

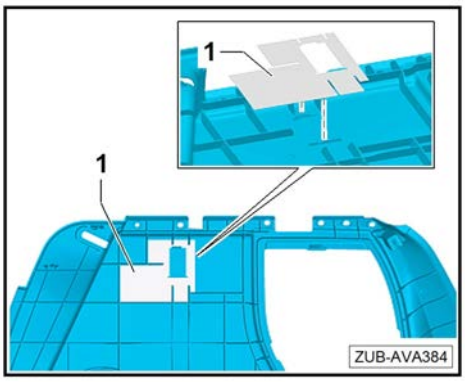
Applies to A3 3-door models and A3 Sportback

> ⚠ ***WARNING***
>
> ***The appendix to the installation instructions contains a template for positioning the button opening.***
>
> ***Print out the template.***
>
> ***The template features a positioning mark. Using a ruler, measure the positioning mark. This must be 10 cm.***
>
> ***If the dimension is too small or large, the printer options must be changed from "Fit" to "Actual size".***

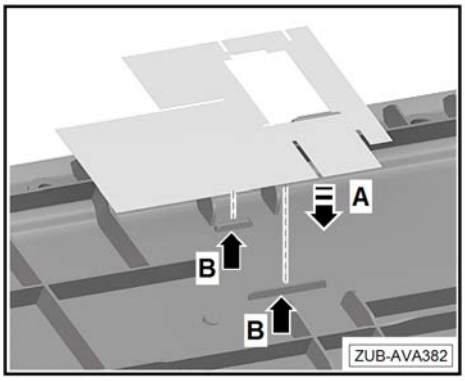
– Cut out the template as shown on the lines marked with scissors.



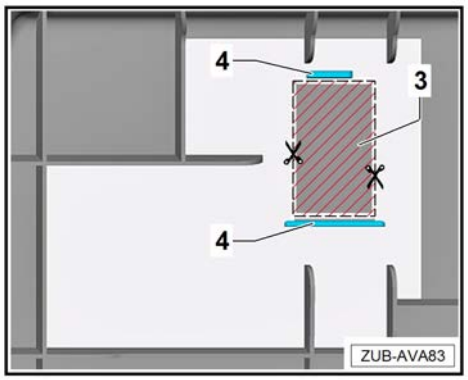
– Position of the cut out template -1- on the luggage compartment side trim.



– Position the cut out template -A- on the two strips -B- on the luggage compartment side trim.
– Secure the template with tape to prevent it from moving or slipping.



– Use chalk to mark out the shaded rectangular area -3- only and remove using suitable workshop tools.



⚠ WARNING

The two strips -4 (blue)- on the luggage compartment side trim are required for securing the button frame/button and must not be cut off!

11.2 Installing the towing bracket electrical release button -E474-

Applies to the A3 Saloon and Cabriolet

Note

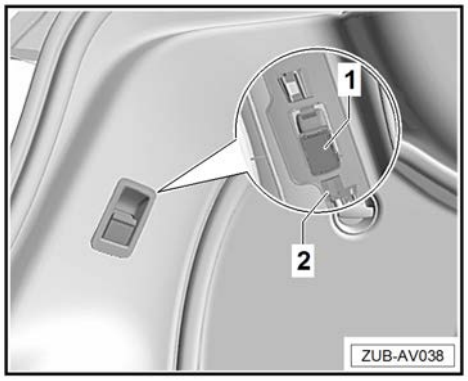
- *Depending on the vehicle and equipment variant, a new luggage compartment side trim must be ordered ⇒Page 13.*
- *In the A3 Cabriolet, an additional cable for transferring the button to the right-hand side must be ordered ⇒Page 13*
- *Required button and button mount ⇒Page 13.*

– Carefully insert the button into the button mount and clip in place.

– Carefully insert the button mount and button into the luggage compartment left-hand side trim and clip in place.

– Connect the electrical connector -2- to the button -1- so that it makes an audible click.

– When installing the luggage compartment side trim, route electrical wiring in a manner that prevents the wires from being abraded or trapped.



Note

In the A3 Cabriolet, the position of the towing bracket electrical release button -E474 is on the right-hand side in the direction of travel. The installation process is identical to the left-hand side.

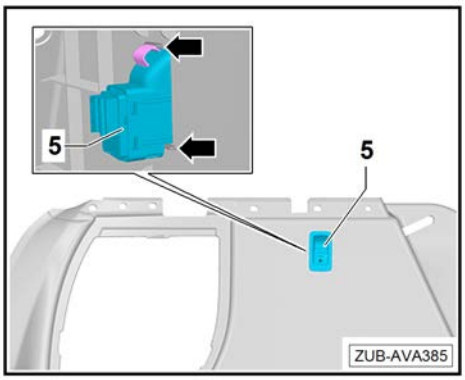
Applies to A3 3-door models and Sportback

Note

- *Depending on the vehicle and equipment variant, an opening may need to be made in the luggage compartment side trim ⇒Page 54.*
- *Required button and button mount ⇒Page 13.*

– Carefully insert the button into the button mount and clip in place.

– Carefully insert the button mount and button into the luggage compartment side trim and clip in place -arrows-.
– Connect the electrical connector to the button so that it makes an audible click.
– When installing the luggage compartment side trim, route electrical wiring in a manner that prevents the wires from being abraded or trapped.



Next steps for all vehicles

11.3 Connecting the battery

– Connect the battery ⇒Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting the battery

Note

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

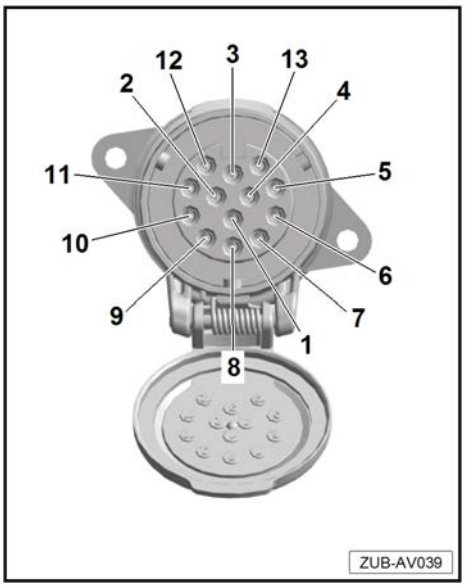
11.4 Adjusting the coding

Coding is adjusted using the ⇒ Vehicle diagnostic tester. This must be connected online.

11.5 Commissioning and functional check

– Check that the trailer socket -U10- functions correctly using the trailer socket tester -VAS 5800- or a trailer.

Pin assignment in the trailer socket -U10-.



1 - Terminal LTS (left turn signal)
2 - Terminal RFL (rear fog light)
3 - Terminal 31 (earth) earth for terminals 1–2, 4–8
4 - Terminal RTS (right turn signal)
5 - Terminal 58 R (right tail light)
6 - Terminal 54 (brake light)
7 - Terminal 58 L (left tail light)
8 - Terminal RVL (reversing light)
9 - Terminal 30 (battery "+ ") max. current 15 A
10 - Terminal 15 (charging cable) max. current 15 A
11 - Terminal 31 (earth) earth for terminal 10
12 - Not assigned
13 - Terminal 31 (earth) earth for terminal 9

11.6 Reassembling the vehicle

To install the components, follow the removal steps in reverse order. Observe the “Notes on installation” for the relevant components and the corresponding tightening torques.

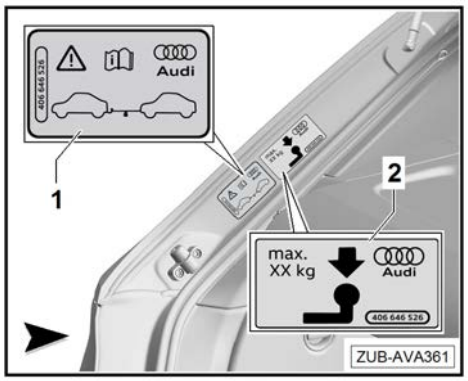
On vehicles with lane change assist, this must be recalibrated.

> ⚠ ***WARNING***
>
> ***The following information must be observed when working with the lane change assistant (Audi side assist):***
>
> - ***If the rear bumper cover is removed and then reinstalled, or if any modifications are made to the rear bumper cover, the lane change assist system (Audi side assist) must be recalibrated ⇒Electrical system; Rep. gr. 96; Risk of accident due to malfunction!***

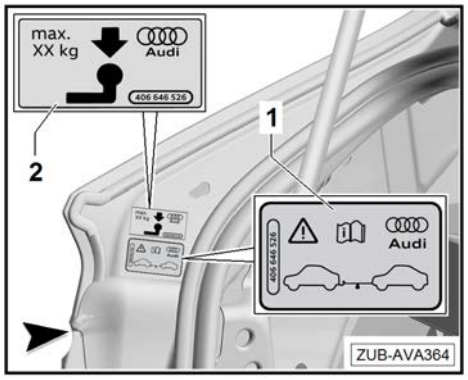
11.7 Finishing the assembly work

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

A3 3-door models, A3 Sportback



A3 Saloon, Cabriolet



Note

The bonding surfaces must be free of dust and grease!

> ⚠ ***WARNING***
>
> ***Once assembled, check the towing bracket functions correctly ⇒ Owner's Manual.***

Note

Keep these assembly instructions with the vehicle documents so that they can be presented to authorised persons upon request.

11.8 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 radiator fan or a second radiator fan and/or a larger cooler. 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.

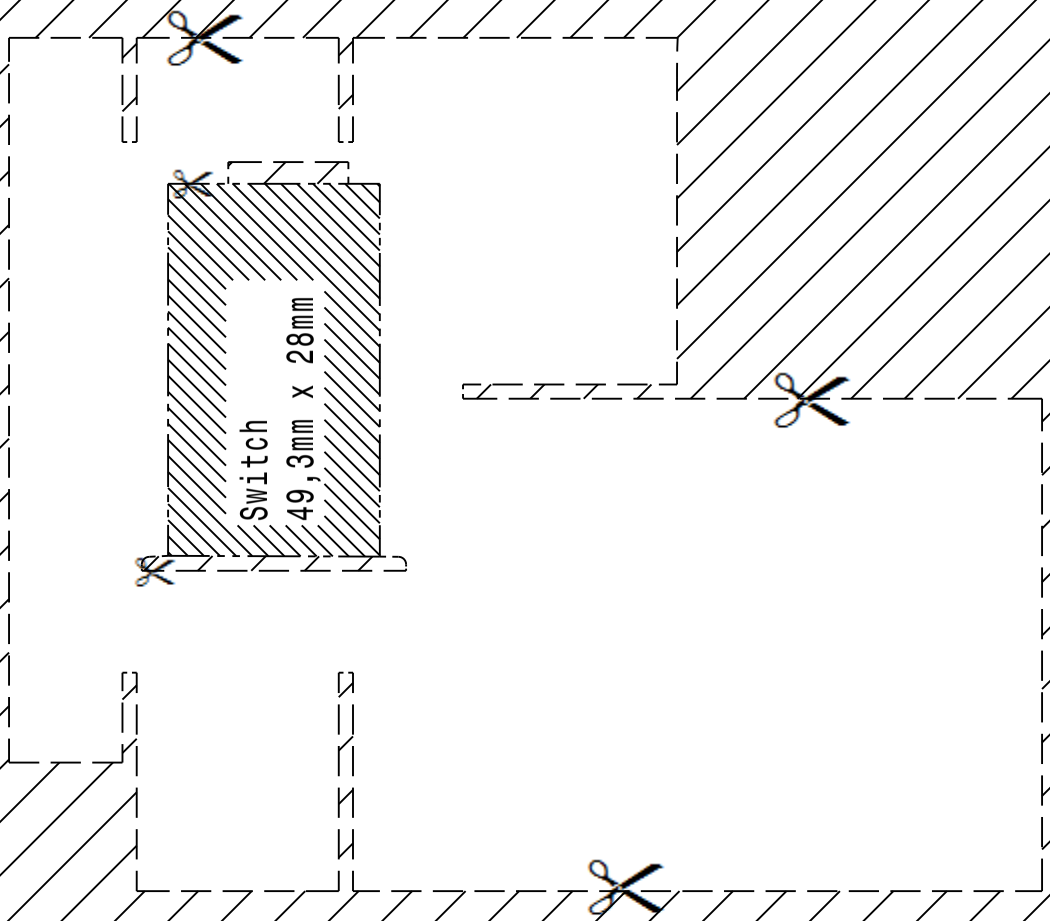
The cooling system does not need to be upgraded if it is possible to guarantee that the engine is only exposed to moderate stress, e.g.:

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

In any case, the coolant temperature gauge 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.*



Note:

When printing this template don't make any format adaption!

Check dimensional change!

Nominal size: 100 mm