



Installation instructions

Audi Q7 (4M) 2016 ►

**Carrier units for the roof rails,
for scope of delivery 4M0.071.151
Audi Genuine Accessories**

Edition 03/2015



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1 General notes

Please read these instructions carefully and note the WARNING, Caution and Note descriptions before installing the carrier units.



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.

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



2 Safety notes

2.1 General safety notes

 WARNING

Please read these assembly instructions carefully before starting installation. Non-compliance with these assembly instructions and safety notes will compromise your safety and that of third parties.

 WARNING

The driver is responsible for making sure that his view and ability to hear are not impaired by his load or by the condition of the vehicle.

He must make sure that the load does not prevent the vehicle from complying with country-specific regulations and that road safety is not compromised.

 WARNING

All bolted connections and connections for the carrier units and for the roof rack modules must be checked prior to travelling to make sure that they are correctly positioned and installed. Tighten if necessary.

Recheck bolted connections and connections at appropriate intervals and tighten if necessary. The bolted connections and connections must be checked at short intervals if travelling on a poor stretch of road.

If these guidelines are not observed, this can result in the carrier units or the roof rack modules becoming loose or falling off – risk of accident!

 WARNING

Repairs or the replacement of parts must only be performed by a qualified workshop. It is recommended that genuine spare parts available from your Audi partner are used.



WARNING

The procedures and safety notes detailed in these instructions for the installation, handling and use of the carrier units must always be observed.

- ◆ **Deviating from these instructions can cause the carrier units or the mounted roof rack module to come loose.**
- ◆ **The carrier units are designed such that the vehicle will not be damaged if components are installed, handled and used properly.**
- ◆ **The manufacturer is not liable for any damage resulting from failure to comply with the installation procedure or notes specified.**
- ◆ **All forms of warranty claim against the manufacturer are invalidated if installation, handling or use of the components is not carried out as specified in these instructions.**



WARNING

- ◆ **Replace damaged components immediately.**
- ◆ **Do not use elasticated straps or bungee cords!**



Caution

Do not enter a car wash with carrier units with/without roof rack modules installed.



Note

- ◆ **When driving with a roof load, make sure that the German Road Traffic Regulations (StVZO) or any country-specific regulations are observed.**
- ◆ **For reasons of convenience, it is common for the carrier units with/without roof rack modules to remain on the vehicle, even if they are not in use. Your vehicle will consume more fuel due to increased wind resistance.**
- ◆ **It is advisable to remove a carrier unit after use.**
- ◆ **Additional wind noise can result from driving with a carrier unit attached.**



2.2 Safety notes to be checked before and after each journey and when in use

WARNING

Check that the carrier units and the load to be transported are securely attached:

- ◆ *before the start of every journey*
- ◆ *After approx. 10 km of the journey,*
- ◆ *approx. every 300 km on good roads*
- ◆ *Frequently on poor roads (due to vibration),*
- ◆ *regularly to make sure that there has been no movement/displacement*

If the carrier units are not checked to make sure that they are secure and to check whether any fasteners need tightening, they could work loose and parts may therefore be lost, despite installation being carried out properly – risk of accident!

In the event of a change in position, drive at a reduced speed until the next opportunity to stop safely and then re-tighten the bolted connections and fixtures on the carrier units.

2.3 Safety instructions for driving with carrier units

2.3.1 Altered vehicle height

Caution

Fitting carrier units changes the height of your vehicle.

Pay particular attention to:

- ◆ *Low-hanging branches*
- ◆ *Passages with reduced head-room clearance*
- ◆ *Entrances to garages with reduced head-room clearance*
- ◆ *Height restrictions in multi-storey car parks and underground car parks.*

2.3.2 Sensitivity to side winds

WARNING

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

Do not exceed the maximum speed of 130 km/h (81 mph).

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

- ◆ *when moving into and out of the slipstream of a lorry,*
- ◆ *when driving past hedgerows, trees, walls and buildings as well as any other wind barriers,*
- ◆ *when driving over bridges*



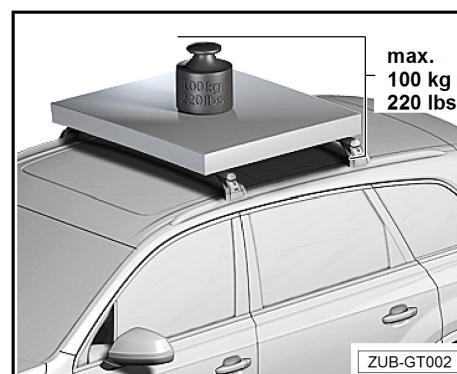
2.4 Safety notes for loading

2.4.1 Permissible roof load and loading

WARNING

The maximum permissible roof load of 100 kg (220 lbs.) must not be exceeded.

Do not exceed the gross vehicle weight rating of carrier units, roof rack modules and load of 100 kg (220 lbs.).) ist zu beachten.



2.4.2 Loading the roof load in the correct manner for the load in question

WARNING

Load the roof load onto the carrier units in the correct manner for the load in question – risk of accident!

Avoid loading on one side – risk of accident!



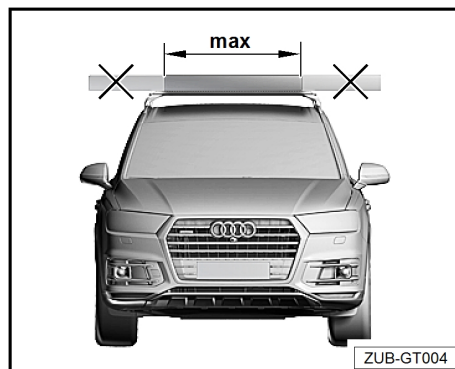


2.4.3 Width of load

⚠ WARNING

The load must not protrude past the edges of the carrier units to the left or right – risk of accident!

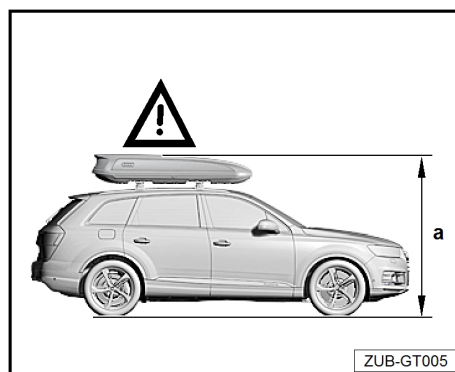
Avoid loading on one side – risk of accident!



2.4.4 Altered height

⚠ WARNING

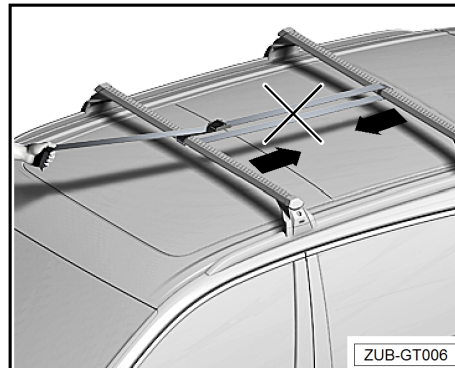
When driving through entranceways and other passageways, the altered vehicle height -a- must be observed.



2.4.5 Tensioning carrier units

⚠ WARNING

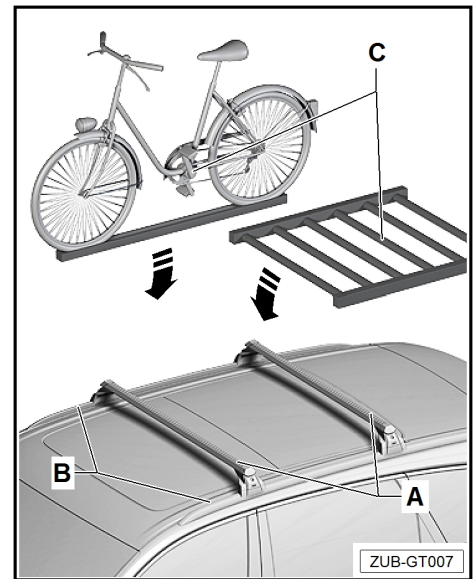
Do not tension carrier units against each other – risk of accident!



2.4.6 Installation and loading sequence for carrier units

WARNING

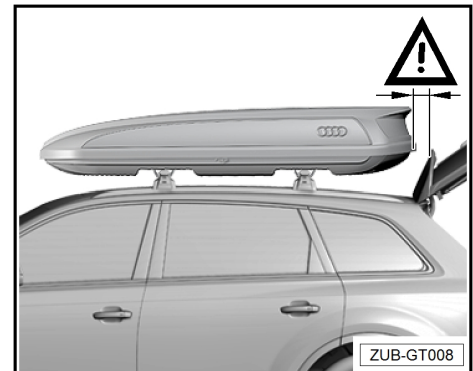
Only assemble the roof rack modules -C- on the carrier units -A- once the carrier units -B- have been fitted to the rail -B- on the vehicle – risk of accident!



2.4.7 Rear lid opening range

Caution

To prevent damage to the vehicle, make sure that the rear lid is opened carefully after longer objects have been loaded onto the vehicle. For vehicles featuring automatic rear lid operation, it is recommended that you adjust the opening angle as required ⇒ Vehicle Owner's Manual.

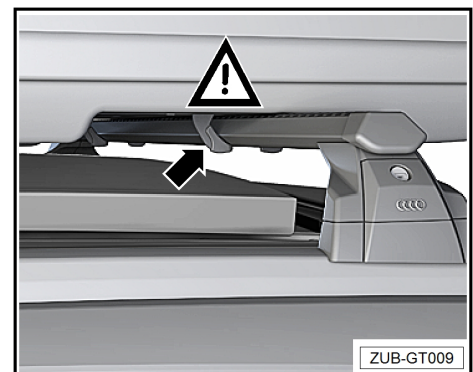


2.4.8 Opening area of the sliding/tilting sunroof and tilting panoramic roof

Caution

Roof rack modules (such as a roof box or bicycle rack) must be securely fastened in the T groove on vehicles with a sliding/tilting sunroof or tilting panoramic roof.

The clearance above the sliding/tilting sunroof or tilting panoramic roof must be checked when installing the carrier units. If the roof rack modules are secured using assembly brackets, the sliding/tilting sunroof or tilting panoramic roof must not be opened – risk of damage resulting from a collision!





3 Scope of delivery and overview of components

3.1 Scope of delivery

Quantity	Component
1	Front carrier unit (label on the underside, on the left when viewed in the direction of travel)
1	Rear carrier unit (label on the underside, on the left when viewed in the direction of travel)
2	Profile cover
1	Torque wrench (6 Nm)
1	Installation instructions
2	Keys

3.2 Overview of components

1 - Profile tube cover
(2x)

2 - Profile tube (2x)



Note

Label -10- is located on
the underneath of the
profile tube

3 - Support bracket (4x)

- ☐ Upper/lower support
bracket
- ☐ Rubber supports

4 - Tensioning bolt (4x)

- ☐ 6 Nm

5 - Torque wrench (1x)

- ☐ 6 Nm

6 - Cover flap with re-
taining bracket (4x)

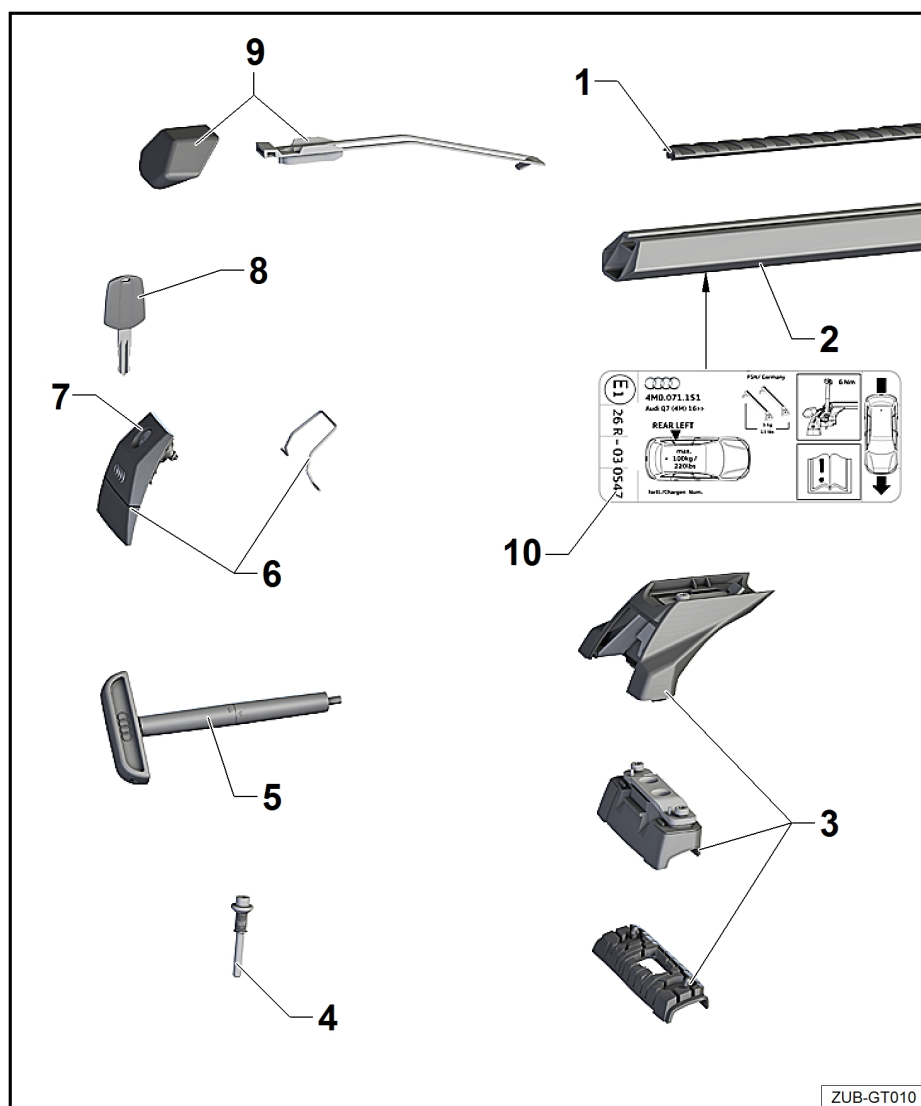
7 - Lock (4x)

8 - Key (2x)

9 - Profile cap with locat-
ing bar (4x)

10 - Label (2x)

- ☐ "front left" and "rear
left"



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4 Installing/removing the carrier units and roof rack module

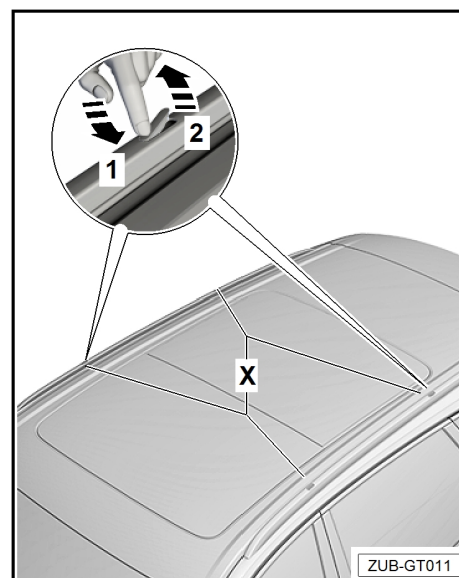
4.1 Installing/removing the carrier units

Note

- ◆ Prior to installation, check that you have all the components from the scope of delivery.
- ◆ The carrier units must be installed by two people.
- ◆ Clean the contact areas and rubber supports thoroughly.
- A flap -X- is located on the upper surfaces of the left-hand and right-hand roof rails at the same height as the B-pillar and C-pillar. Each flap covers the mounting points used to install the carrier units.
- To install the carrier units, the flaps -X- must be pressed downwards at the front of each flap using a finger in the -direction of arrow 1-.
- The flap -X- is pushed backwards and up in the -direction of the arrow 2-.

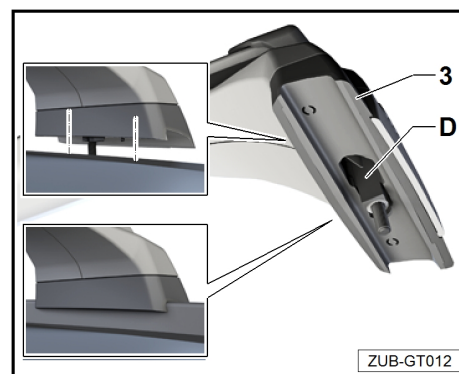
Note

Prior to installation, the area around the flap -X- on the roof rails and the rubber supports for the lower support bracket -3- must be free of dust and grease.



Positioning the carrier units

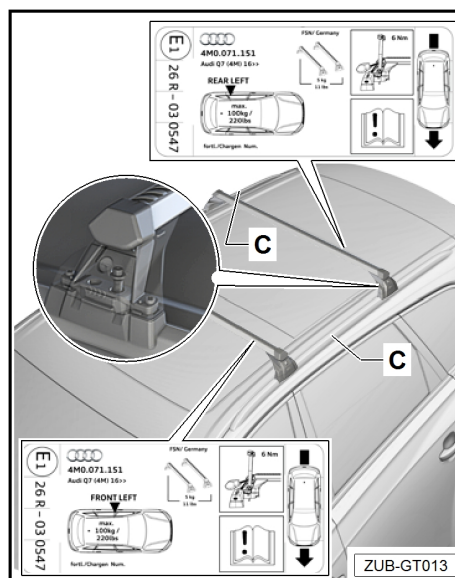
- Plastic bars -D- are located on each lower support bracket -3- of the carrier units for the purpose of correctly positioning the carrier units through the holes in the roof rails.



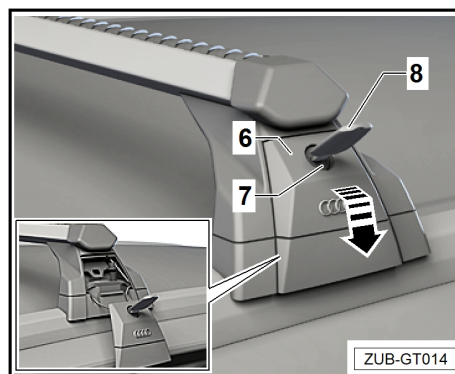


Note

- ◆ When installing the carrier units, make sure that the labels are on the left-hand side of the vehicle, and the printed arrow is pointing in the direction of travel.
- ◆ The labels "front left" and "rear left" can each be found on the underside of the profile tubes.
- Carefully place the front and rear carrier units complete with support brackets in position on the roof rails -C- in the area of the flaps.

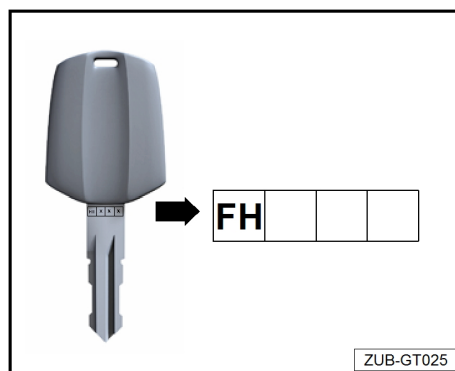


- Open the lock -8- using the key -7-.
- Open out the cover flap -6-.



Note

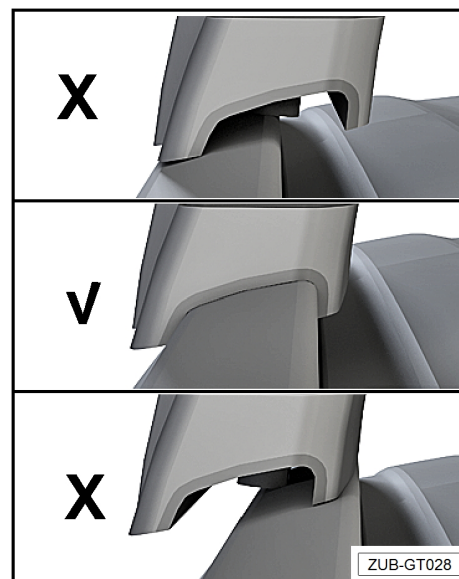
- ◆ Note the key number of your key here in order to make it easier to replace your key in the event of loss.



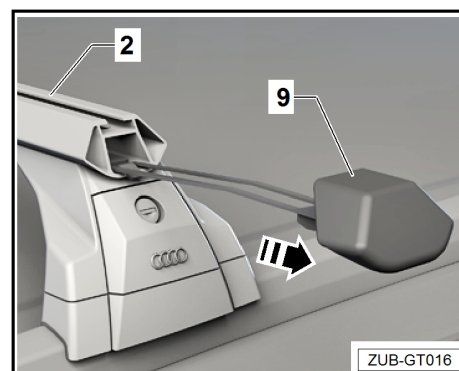


- Check the exact installation position of the carrier unit – the plastic bar must be exactly aligned to the hole in the roof rails. Move the carrier unit forwards or backwards if necessary.
- Align the carrier units laterally – make sure that they sit correctly on the edge of the roof rails.
- If the rubber supports on the support bracket are not flush to the surface, it is advisable to have the width adjustment of the carrier unit checked and corrected by a qualified workshop.

See chapter: 4.5. Adjusting the carrier unit width.



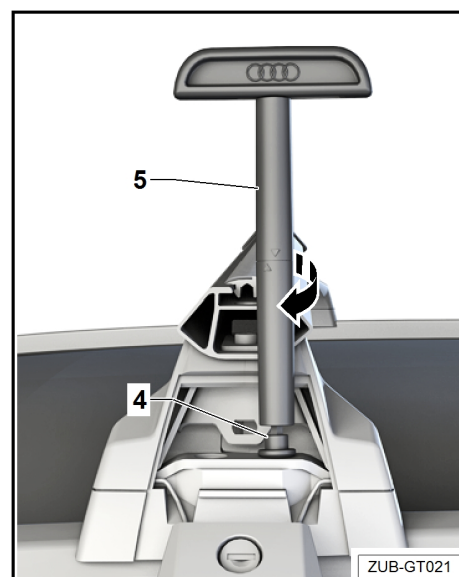
- Remove the profile caps -9- from the profile tube -2-.



- Press down the tensioning bolts -4- by hand against the spring and gently tighten.
- Place the torque wrench -5- onto each tensioning bolt -4- and gently tighten.

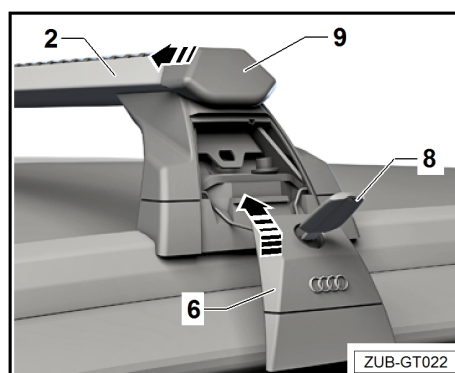
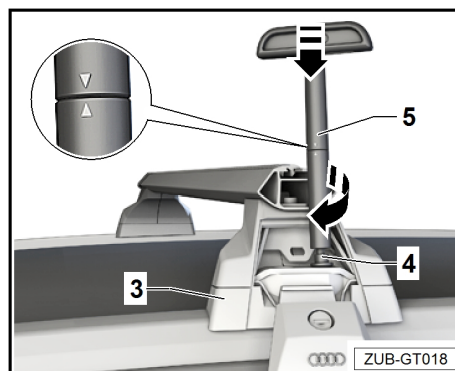
Note

- ◆ Each tensioning bolt -4- must be gently tightened in the same way on all support brackets of the carrier units.
- ◆ The tensioning bolts -4- must screw easily into the threaded parts of the roof rails! If this is not the case, immediately remove the bolts to prevent damage to the threads of the tensioning bolts and the threaded mating parts in the roof rails!





- Tighten the tensioning bolts -4- using the torque wrench -5- on both sides in two steps alternately until the arrow markings are aligned.
 - When tightening the tensioning bolts, the required torque of 6 Nm must be reached.
 - Check that the support brackets -3- are securely seated on the roof rails.
-
- Once the carrier units are installed, reattach the profile caps -9- to the profile tube -2-.
 - Close the cover flaps -6- again.
 - Close the cover flap -6- using the key -8-.
 - Remove the key -8-.



! WARNING

Check that the carrier units and the load to be transported are securely attached:

- ◆ *before the start of every journey*
- ◆ *After approx. 10 km of the journey,*
- ◆ *approx. every 300 km on good roads*
- ◆ *Frequently on poor roads (due to vibration),*
- ◆ *regularly to make sure that there has been no movement/displacement*

If the carrier units are not checked to make sure that they are secure and to check whether any fasteners need tightening, they could work loose and parts may therefore be lost, despite installation being carried out properly – risk of accident!

In the event of a change in position, drive at a reduced speed until the next opportunity to stop safely and then re-tighten the bolted connections and fixtures on the carrier units.

Removal

- The carrier units are removed by following the above steps in reverse order.

4.2 Installing/removing the roof rack modules

Assembly

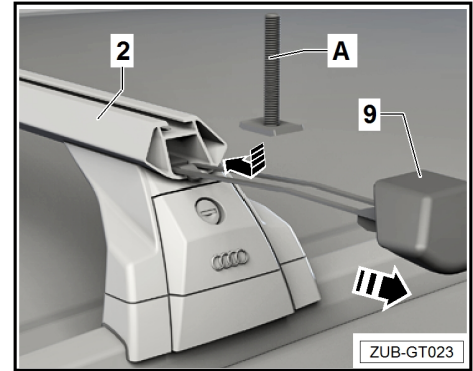
- Secure roof rack modules in accordance with the relevant installation instructions for the roof rack module in question.



- To install the roof rack modules, remove the profile cap -9- from the profile tube -2-.
- Insert the roof rack modules into the T groove provided in the profile tube -2- using the T groove adapter -A-.
- Place the profile cap -9- back onto the profile tube -2-.

Note

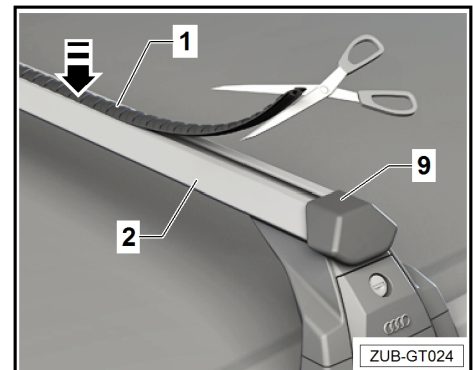
When the roof rack modules are not in use, seal the T groove using the profile tube cover -1-.



- Adjust the profile tube cover -1- to the length of the carrier units with the profile caps -9- closed.
- Place the profile covers -1- on the T groove on the carrier unit -2- and press the covers into the T groove.

Note

- ◆ When driving with a roof load, make sure that the German Road Traffic Regulations (StVZO) or any country-specific regulations are observed.
- ◆ For reasons of convenience, it is common for the carrier units with/without roof rack modules to remain on the vehicle, even if they are not in use. Your vehicle will consume more fuel due to increased wind resistance.
- ◆ It is advisable to remove a carrier unit after use.
- ◆ Additional wind noise can result from driving with a carrier unit attached.



4.3 Maintenance instructions

Carrier units

The carrier units must always be cleaned and kept in good order. It is particularly important to remove any dirt and salt in the winter.

The carrier units can be cleaned using water.

Locks

The locks must be maintained after several locking cycles have passed, and always after wet cleaning has been performed. This process involves spraying the dust/dirt guard and the inside of the cylinder with an appropriate lubricant and then actuating the lock several times using the key.

WARNING

Do not use any lubricants on the bolted connections.

Failure to comply with these instructions may result in the carrier units becoming detached, causing injury to you or others and/or damage to property.



⚠ Caution

Do not use a high-pressure cleaner to clean the kayak holders.

4.4 Technical notes

Technical data

Dead weight of carrier unit set: approx. 5 kg (11 lbs.).

Roof load/load

	Weight of the carrier unit
+	weight of the roof rack module
+	weight of the load
=	roof load



WARNING

Never exceed:

- ◆ **the maximum permissible roof load (100 kg/220 lbs.)**
- ◆ **the gross axle weight rating**
- ◆ **the gross vehicle weight rating for your vehicle ⇒ Vehicle Owner's Manual.**

4.5 Adjusting the carrier unit width



Note

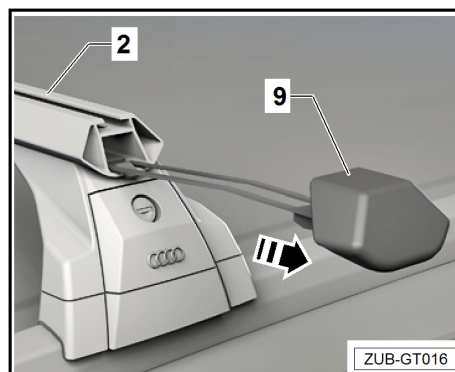
- ◆ *Each carrier unit is pre-adjusted by the manufacturer in line with your vehicle's requirements.*
- ◆ *If the carrier units are not correctly adjusted, the correct basic setting must be made by a qualified workshop.*

Instructions for the qualified workshop if the position of the support bracket for the relevant vehicle is not set correctly.

- Install the carrier units on the vehicle.

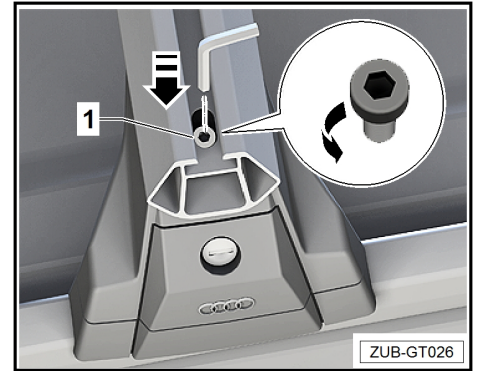
See chapter: 4.1. Installing/removing the carrier units

- Remove the profile cap -9- from the profile tube -2-.

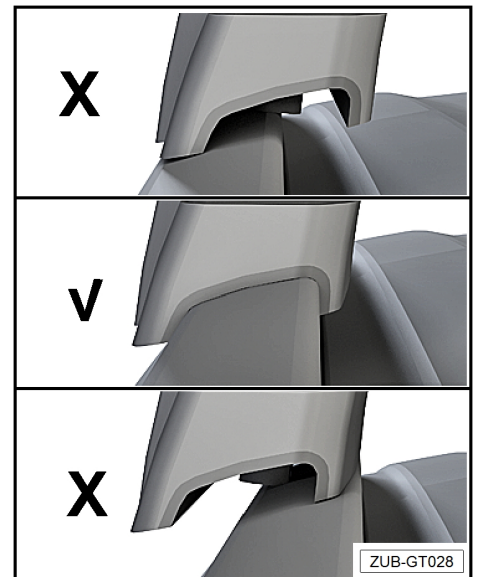




- Use a hexagon key (M6) to unscrew the hexagon bolt -1- on the right-hand support bracket far enough to allow the support bracket to be moved on the profile tube. The carrier unit remains on the vehicle roof during this process.



- Adjust the carrier unit so that the rubber supports on the right-hand support bracket sit flush with the roof rails -tick-.



- Tighten the hexagon bolt -1- to 10 Nm.
- Repeat the procedure on the other carrier unit.
- Place the profile cap back onto the profile tube.

⚠ WARNING

Check that all hexagon bolts have been tightened (to 10 Nm). If these guidelines are not observed, this can result in the carrier units becoming loose or falling off – risk of accident!

