Installation instructions

Audi A4 (8W) allroad quattro 2016 ►

Carrier units for roof rail
for scope of delivery 8W9.071.151.L
Audi Genuine Accessories

Edition 01
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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.

ℹ️ Note
Text with this symbol contains additional information.

🔍 Compass arrow
The compass arrow shown in the images serves as an orientation aid and points in the “forwards” driving direction of the vehicle.

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 installation 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 – risk of accident!
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
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 – risk of accident and injury!

⚠️ WARNING
♦ Replace damaged components immediately – risk of accident and injury!
♦ Do not use elasticated straps or bungee cords – risk of injury!
Caution

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

Note

◆ 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.

◆ 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.

◆ 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 90 kg (198 lbs.) must not be exceeded.

The maximum permissible gross vehicle weight rating of carrier units, roof rack modules and load of 90 kg (198 lbs.). is to be observed.
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 Tensioning carrier units

⚠️ WARNING
Do not tension carrier units against each other – risk of accident!
2.4.5 Installation and loading sequence for carrier units

**WARNING**

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

2.4.6 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.

2.4.7 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

<table>
<thead>
<tr>
<th>Units</th>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Front roof bars</td>
<td>Label on the underside in direction of travel left</td>
</tr>
<tr>
<td>1</td>
<td>Rear roof bars</td>
<td>Label on the underside in direction of travel left</td>
</tr>
<tr>
<td>2</td>
<td>Profile cover</td>
<td>Length: 1250 mm</td>
</tr>
<tr>
<td>1</td>
<td>Torque wrench (6 Nm)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Keys</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Fitting instructions</td>
<td></td>
</tr>
</tbody>
</table>

3.2 Overview of components

1 - Profile cover (2x)
2 - Profile tube (2x)
3 - Housing (4x)
4 - Torque wrench (6 Nm)
5 - Cover flap (4x)
6 - Lock (4x)
7 - Key (2x)
8 - Outer claw fastener (4x)
9 - Hexagon bolt M6 x 60 (4x)
10 - Outer protective rubber (4x)
11 - Inner protective rubber (4x)
12 - Inner claw fastener (4x)
13 - Rubber support (4x)
14 - Label (2x)

- "front left" and "rear left"
4 Installing/removing the carrier units

4.1 Installing carrier units

\section*{Note}

\textit{The carrier units must be installed by two people.}

There are two markings -X- on the inward facing sides of the roof rail at the front and rear end; these markings are provided as an orientation point when installing the carrier unit for the roof rail.

\begin{itemize}
  \item During installation, the roof rail positioned between the markings -X- and the rubber supports -13- in the housing must be free from dust and grease.
  \item If necessary, clean the contact areas between the markings -X- and rubber supports -13- thoroughly.
  \item Secure the lock -6- on both sides using the key -7-.
\end{itemize}

\section*{Note}

\begin{itemize}
  \item Note the key number of your key here in order to make it easier to replace your key in the event of loss.
\end{itemize}

\begin{itemize}
  \item Open cover flap -5- in the -direction indicated by arrow A-.
  \item Place the torque wrench -4- on the hexagon bolt -9-.
  \item Loosen hexagon bolt -9- far enough for a certain amount of resistance to be detected.
\end{itemize}

\section*{Note}

\textit{When installing the carrier unit, 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.}

\begin{itemize}
  \item Use the labels -14- on the underside of the left-hand profile tube as reference to align the roof rack to the relevant installation position (left/right and front/rear).
\end{itemize}
– Place the front and rear carrier units on the roof rail in a central position in the direction of travel between the markings -X-.

– Hold the inner claw fastener -12- in the position indicated by the markings -X- with one hand.

– Pull the outer claw fastener -8- downwards in the -direction indicated by arrow A-.

– Hook the outer claw fastener -8- under the roof rail in the -direction indicated by arrow A-.

– Tighten the hexagon bolt -9- slightly using the torque wrench -4-. While doing this, make sure that both claw fasteners remain hooked under the roof rail -arrows B-.

– Perform the identical procedure on the other side of the vehicle.

![Diagram](image1)

**WARNING**

*The rubber supports -13- for the housing -4- must sit flush against the roof rail on both sides of the vehicle – risk of accident from the carrier unit coming loose.*

The carrier unit is seated in the correct position if:

- The rubber support -13- for the housing sits flush against the roof rail -arrows A-.
- The inner claw fastener -12- is correctly positioned between the markings -X- on the roof rail.
- The outer and inner claw fasteners -8 and 12- are hooked under the roof rail.

The carrier unit is positioned too far in if:

- The rubber support -13- for the housing does not sit flush against the roof rail -arrow-.
- The inner claw fastener -12- is not correctly positioned between the markings -X- on the roof rail.
- The outer claw fastener -8- does not hook into the roof rail.
The carrier unit is positioned too far out if:

◆ The rubber support -13- for the housing does not sit flush against the roof rail -arrow-. 
◆ The inner claw fastener -12- is not correctly positioned between the markings -X- in the roof rail. 
◆ The inner claw fastener -12- does not hook into the roof rail.

If the rubber supports -13- for the housing -3- do not sit flush against the surface, we recommend that you have the width adjustment checked, and corrected if necessary, by a qualified workshop ⇒ Page 14.

Remove the roof bars for roof rail before this process.

Note

◆ When tightening the hexagon bolt -9-, the required tightening torque (or the required tightening force) of 6 Nm is reached once the two arrows on the torque wrench -4- are exactly opposite each other.

Tighten the hexagon bolt -9- to a torque of 6 Nm on both sides alternately in two steps.

Caution
The claw fasteners must not unhook from the roof rail -arrow A-!

– Check that everything is in the correct position again by tightening the hexagon bolt -9- on both sides using the torque wrench -4-. 
– Close the cover flap -5- and secure the lock on both sides using the key.
– Remove the key.
– Follow the same process to install the second roof bar.
4.2 Installing the roof rack modules

- Secure roof rack modules in accordance with the relevant installation instructions for the roof rack module in question.
- Open the lock -7- using the key -6-.
- To install the roof rack modules, open the cover flap -5- in the -direction indicated by arrow A- and -arrow B-.
- Insert the roof rack modules in the T groove in the -direction indicated by arrow C-.
- To close the cover flap -5- again, follow the steps in the reverse order.

When the add-on components are not in use, secure the T groove with the profile cover -1-.
- Adjust the profile cover -1- to the length of the profile tubes -2- with the profile caps -5- closed.
- Position profile cover -1- on the profile tube and press it into the T groove -arrow-. 
**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. As a result of the increased wind resistance, your vehicle will consume more fuel and will produce additional noise.
- We therefore recommend that you remove the roof bars after use.
- Increased wind noise can result from driving with the roof bars attached.

### 4.3 Removing the carrier units

**Note**

The carrier units must be removed by two people.

- Remove the load and the roof rack modules.
- Secure the lock -6- on both sides using the key -7-.
- Open cover flap -5- in the -direction indicated by arrow A-.
- Loosen the left and right hexagon bolts -9- alternately.
- Loosen the hexagon bolts -9- alternately until a slight resistance is detected.

- Loosen the inner claw fastening -12- on the roof rail by pushing the hexagon bolt -9- towards the vehicle centre in the -direction indicated by arrow A-.
- Pull the outer claw fastener -8- downwards in the -direction indicated by arrow B-.
- Unhook the claw fasteners -12 and 8- on both sides in the -direction indicated by arrow C- and carefully remove the carrier unit.
- Screw in the hexagon bolt -9- by approx. 12 rotations and close the cover flap -5-.
- Close the cover flap and secure the lock on both sides using the key.
- Remove the key.
4.4 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.

4.5 Technical notes

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

Roof load/load
To determine the roof 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 (90 kg/198 lbs.)
- The maximum permissible axle loads
- The maximum permissible gross vehicle weight rating for your vehicle ⇒ Vehicle Owner’s Manual.
4.6 Adjusting the carrier unit width

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

– Install the carrier unit on the vehicle ⇒ Page 7 and only tighten gently on the left-hand side.

– Use a hexagon key (M6) to unscrew the hexagon bolt -1- on the right side of the housing far enough that the housing can be moved. The carrier unit remains on the vehicle during this process.

– Adjust the carrier unit in the directions -indicated by arrow A- so that the rubber support for the right side of the housing sits flush with the roof rail -arrows-.

The carrier unit is seated in the correct position if:

◆ The rubber support for the housing sits flush against the roof rail -arrows-.
◆ The inner claw fastener -12- is correctly positioned between the markings -X- on the roof rail.
◆ The outer claw fastener -8- is hooked under the roof rail.

– Tighten the hexagon bolt -1- to 10 Nm.
– Repeat the procedure on the other carrier unit.

⚠️ 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!