

Service Training

## SSP 719 The Caddy California



Commercial  
Vehicles



SSP 719 The Caddy California

Technical status 04/2021



## Self-study programmes in a new guise – SSP Gen5

We intend to put the objective pursued by the Self-study Programmes – this being to teach design and function as vividly as possible – into practice in an even better and more interesting way.

The new generation of Self-study Programmes are making this possible by using browser-based online media.

Whether video clips, interactive animations or 3D objects that can be rotated in any direction – they pull out all the stops to illustrate, as an example, dynamic processes. Figure hotspots, mouseover functions and a page layout based on tabs are all used to ensure interesting information is quick and easy to access.

There is nothing to force users to open these features if they do not wish to do so.

In a nutshell, readers are given many different options

to casually navigate through the Self-study Programme at their own pace and take a look at the content.

You can, however, have too much of a good thing:

While the new Self-Study Programmes are available in a range of different formats, not all of these formats are able to reproduce the large number of options for interaction that the online version offers. We therefore hope you will understand that interactive functions are not able to be used in these formats.

**Be entertained by the variety of new options for interaction and enjoy reading up on interesting topics that the new Self-study Programmes are presenting to you.**

## Introduction

The Caddy California is the new vehicle in the California family and is based on the fifth Caddy generation.

It offers a well thought-out space concept with five seats, a comfortable sleeping area, a small pull-out galley as well as two stowable folding chairs and a camping table. A spacious tent for four to six people is optionally available. It can be attached to the vehicle and rounds out the overall concept.

By simply folding together the bed in the luggage compartment, you can easily create a fully-fledged 5-seater. The rear seats and bed are completely removable, giving the Caddy California a large storage space. A panoramic glass roof is available as an optional extra. Two additional insertable ventilation grilles on the driver and passenger sides provide effective ventilation.

If the galley module with pull-out unit, single-burner gas cooker is installed, the Caddy California receives mobile home registration.

*California*



Important notes on using the SSP Gen5!

# Introduction

## Notes on use

You will find a detailed explanation of how to use the new online Self-Study Programmes using the menu option “Help”.

## Notes on content

Self-study Programmes are used to teach users about the design and function of new developments. Please use the respective workshop information for up-to-date test, adjustment and repair instructions. The contents will not be updated.

## Legal note

The content of the Self-study Programmes is the property of Volkswagen AG. They may not be passed on to third parties without the permission of Volkswagen AG or be otherwise misappropriated.

## The Caddy motorhomes

The history of the Caddy as a motorhome began with the third-generation Caddy with the name Tramper. The Caddy Tramper was presented at the Caravan Salon in Düsseldorf in 2005 and was available to order from the 2006 model year. It was delivered under the name Tramper until 2015. With the 2016 model change, the name was changed to Caddy Beach.

**Caddy Tramper**



**Caddy Beach**



**Caddy California**

In the model range introduced in 2020, the name was changed to Caddy California. This means that it is now a permanent member of the California family of motorhomes from Volkswagen Commercial Vehicles.

## The production site

Series production of the Caddy California started in Poznań, Poland. The production plant was extensively modernised for the fifth-generation Caddy and brought up to the latest standards in automotive engineering. Modern materials and production methods are now also used in large quantities.

The basic vehicle is produced in Poznań, while in Swarzędz it is converted into a camper van using a high degree of manual work.



## Variants

The Caddy California is available in two variants with a

- short wheelbase (overall vehicle length 4500 mm) and
- long wheelbase (overall vehicle length 4853 mm).

Both variants have the following standard equipment

- Rear bed
- Stowage pockets
- Shades
- LED interior lighting
- Ventilation grille
- Camping chairs and folding table

The following optional equipment is available for both variants:

- Mini galley



If the Caddy California is equipped with a mini-galley, it receives mobile home registration.

Short wheelbase



Long wheelbase



## The modifications

Some modifications to the body are necessary for the conversion to the California. Additional holes are required to attach the galley module and the rear bed.

Furthermore, additional cut outs in the trims are necessary for the holders and supports of the rear bed as well as cut outs in the floor for the galley module.

Additional cut outs are required in the headliner for the interior lighting.

Templates are used for the additional holes and cut outs.

The holders are riveted and partly glued in addition.

Modifications taking the example of the side wall on a vehicle with a short wheelbase

Holes on the inside of the B-pillar for B-pillar mounting

Holes in the inside of the side wall for the front mounting of the rear bed

Holes in the inside of the side wall for the rear mounting of the rear bed

Modification of the trim for front mounting

Cut out in the trim for rear mounting



## The rear bed

### Fitting location

The rear bed is triple folded and is located behind the 2nd row of seats in the vehicle. The bed is secured with a securing strap when folded.



## The rear bed

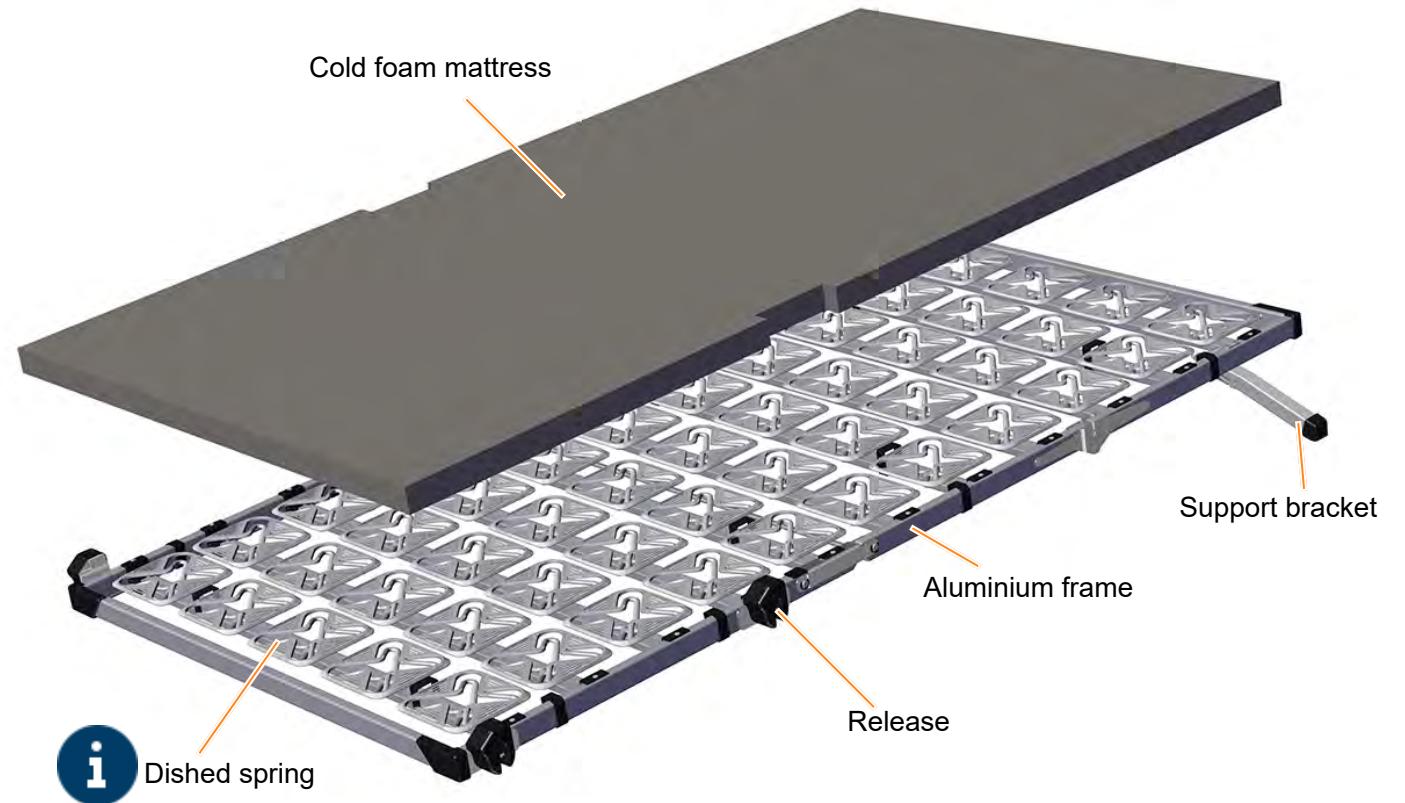
### Layout

The folded-out rear bed offers a lying surface of 1980 mm in length and 1070 mm in width. It is in three parts. The bed has a max. load capacity of 200 kg.

A stable aluminium frame with built-in dished springs ensures a very high level of lying and sleeping comfort under the cold foam mattress with removable fabric cover.

The mattress consists of three pads that are firmly connected to one another.

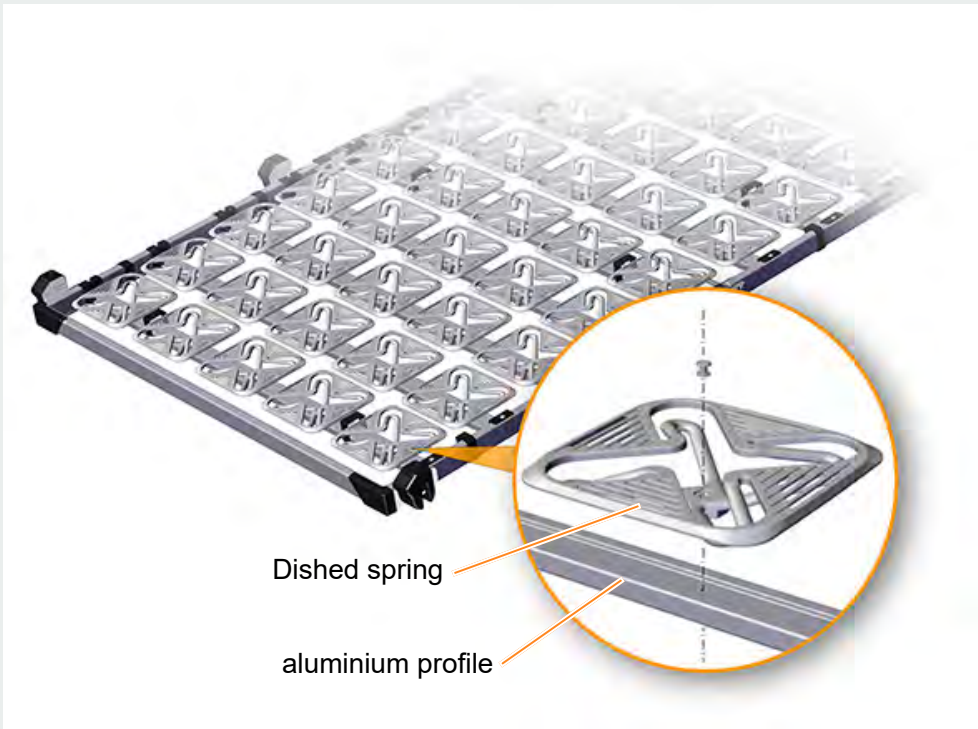
To attach the rear bed to the body, there are four release mechanisms on the left and right of the aluminium frame.



## The rear bed

### Layout

#### Dished spring



The Caddy California is equipped with the dished spring elements familiar from the California 6.1 or the Grand California. The dished springs are riveted to the slatted frame, which is made of aluminium sections.

# The rear bed

## Folding function

After the securing strap has been loosened, the rear bed can be folded out to the front. The unfolded side support brackets are placed in the mountings of the B-pillar trim.

The advantage of the side supports is that the seats of the 2nd row are no longer needed as storage for the bed. These can be removed when not in use, to create more storage space.

**i** Some seat adjustments must be made to fold open the bed.



Fold out rear bed to the front

**i** Lateral support brackets

**i** Mounting in the B-pillar trim



Folded-out rear bed

More storage space due to removed seats

#### **Adjustments of the seats**

The following seat adjustments must be made to fold open the bed:

- move the driver and front passenger seats to the furthest forward position,
- set the rear seat backrests of the driver and front passenger seats to the most upright position,
- adjust the driver seat (and passenger seat if it has seat height adjustment) to the highest seat position,
- fold down the backrest of the 2nd row of seats.

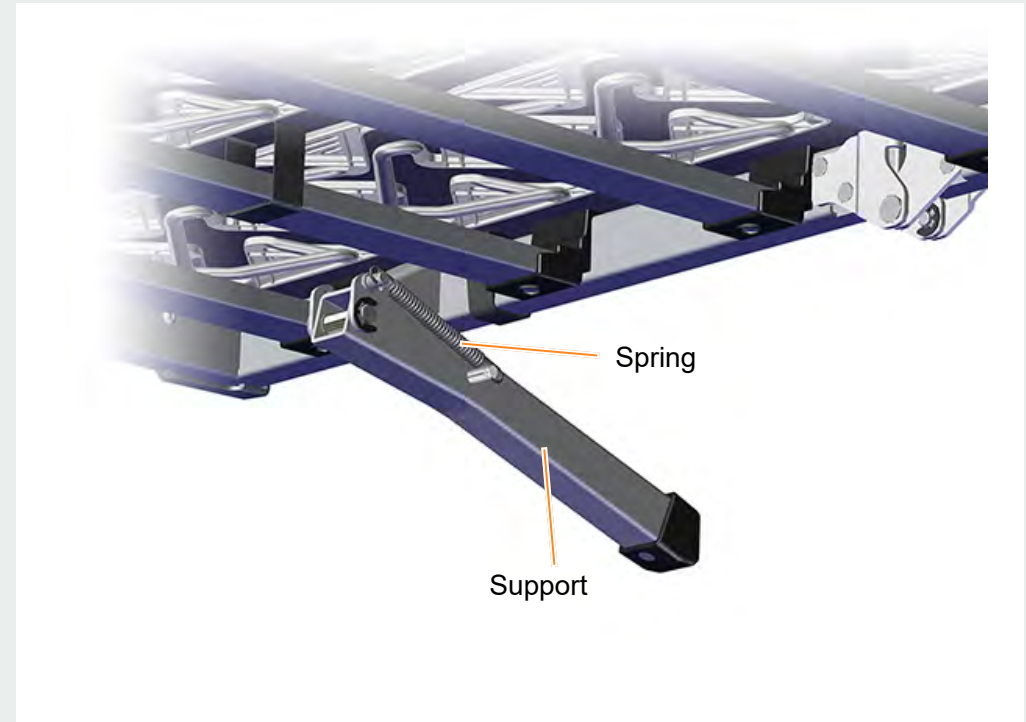
## The rear bed

### Folding function

#### Side support brackets

The side support brackets are folded out and placed in the mountings of the B-pillar trim.

When the rear bed is folded together, the supports are folded in under the bed and held firmly by the spring. The spring prevents the support brackets from rattling while the vehicle is being driven.



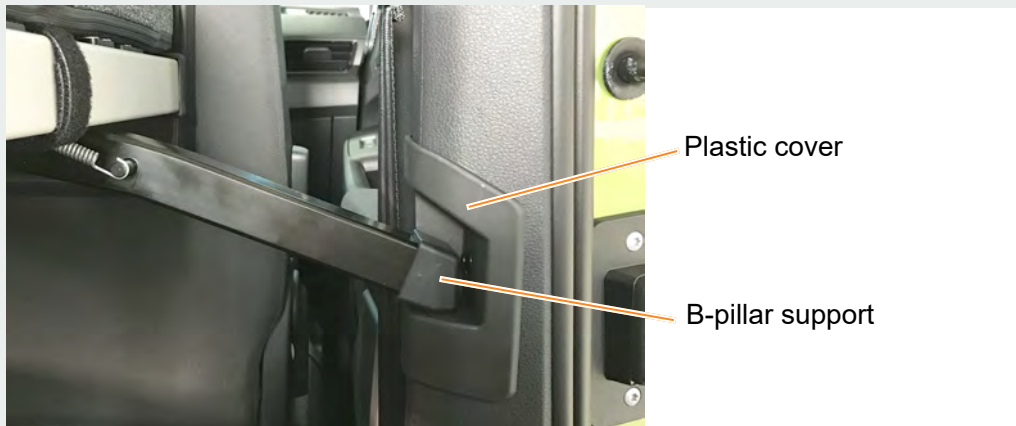
## The rear bed

### Folding function

#### B-pillar mounting

The support of the rear bed is placed in the mounting when it is folded out. This means that the seats of the 2nd row are no longer required as storage.

The B-pillar mounting consists of a mounting part firmly attached to the body and a plastic cover.

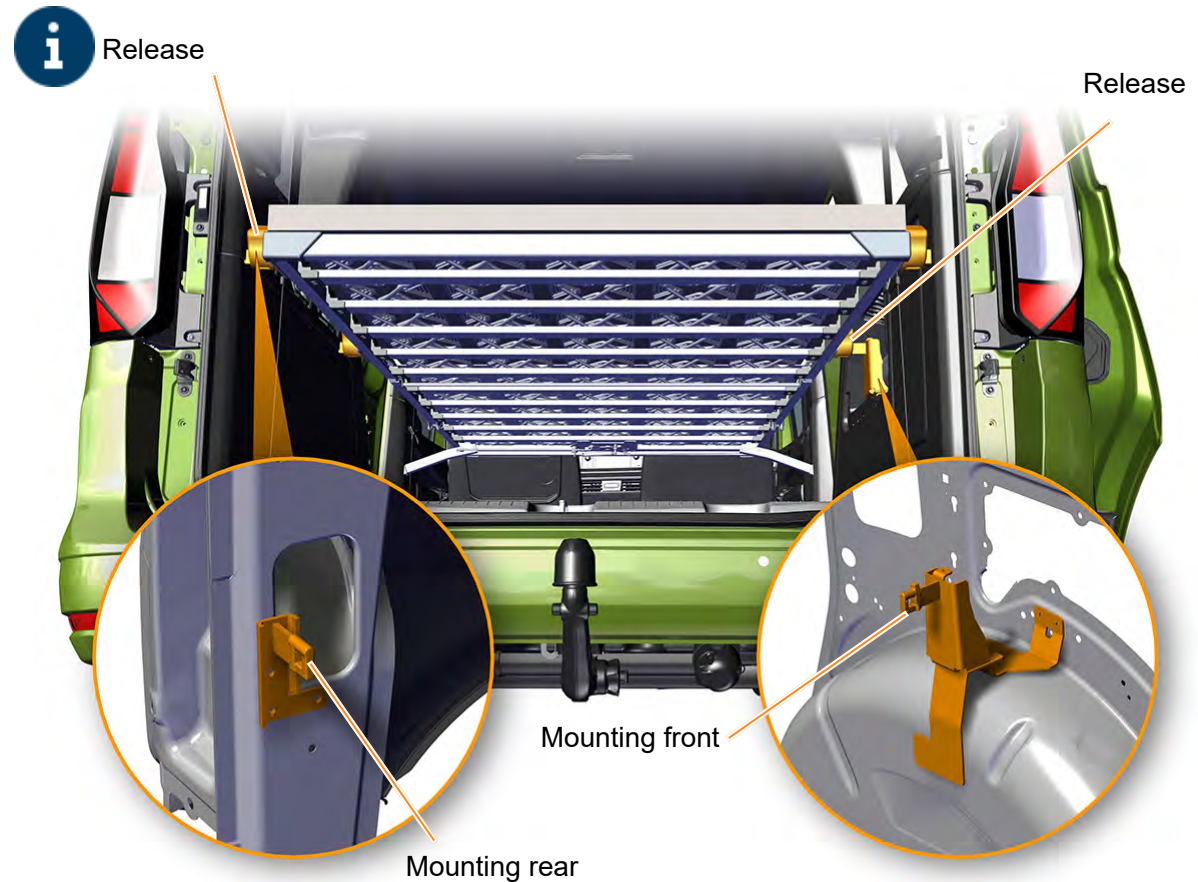


## The rear bed

### Assembly

The bed is supported against the body. It is latched via four release mechanisms on the left and right of the bed frame into the corresponding lateral mountings, which are firmly connected to the body.

The bed frame with the bed can be quickly removed when it is not needed. To do this, the four release mechanisms are released and then the bed frame can be lifted upwards out of the side mountings.



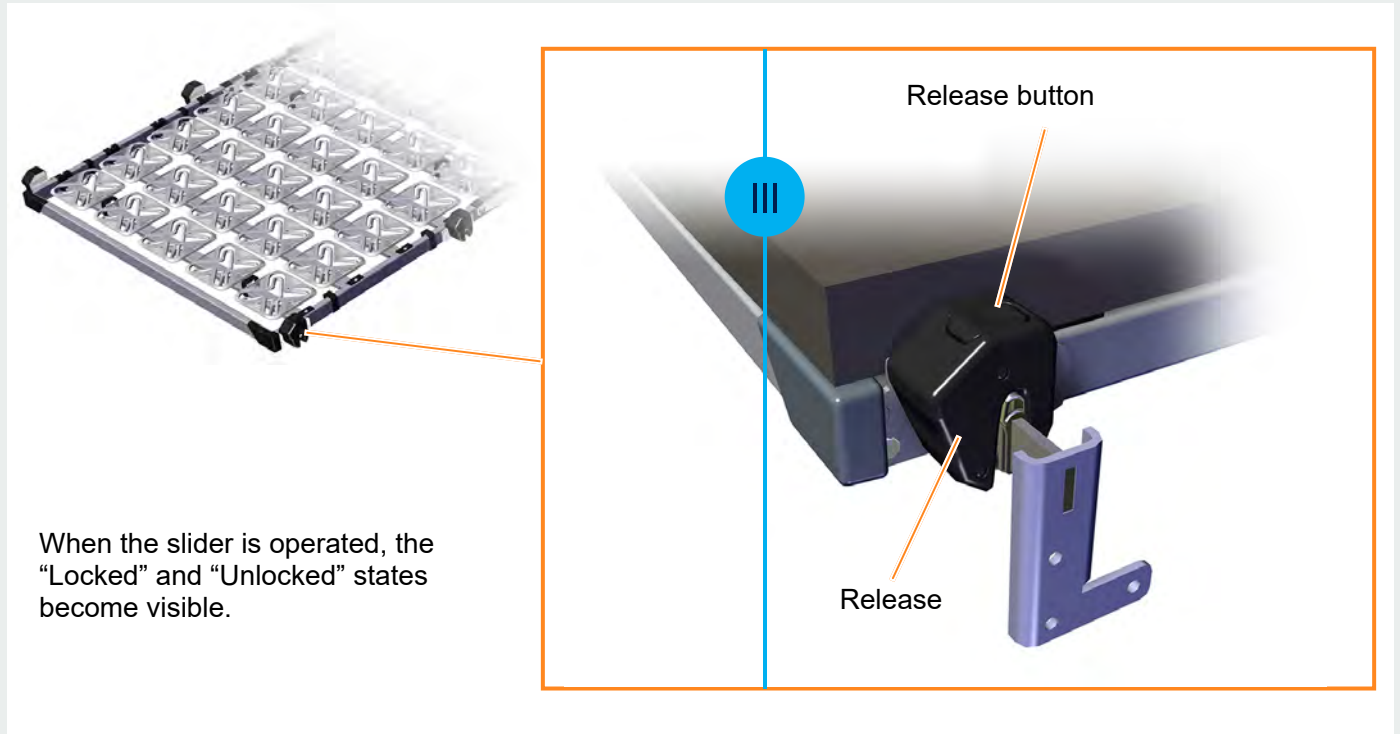


# The rear bed

## Release

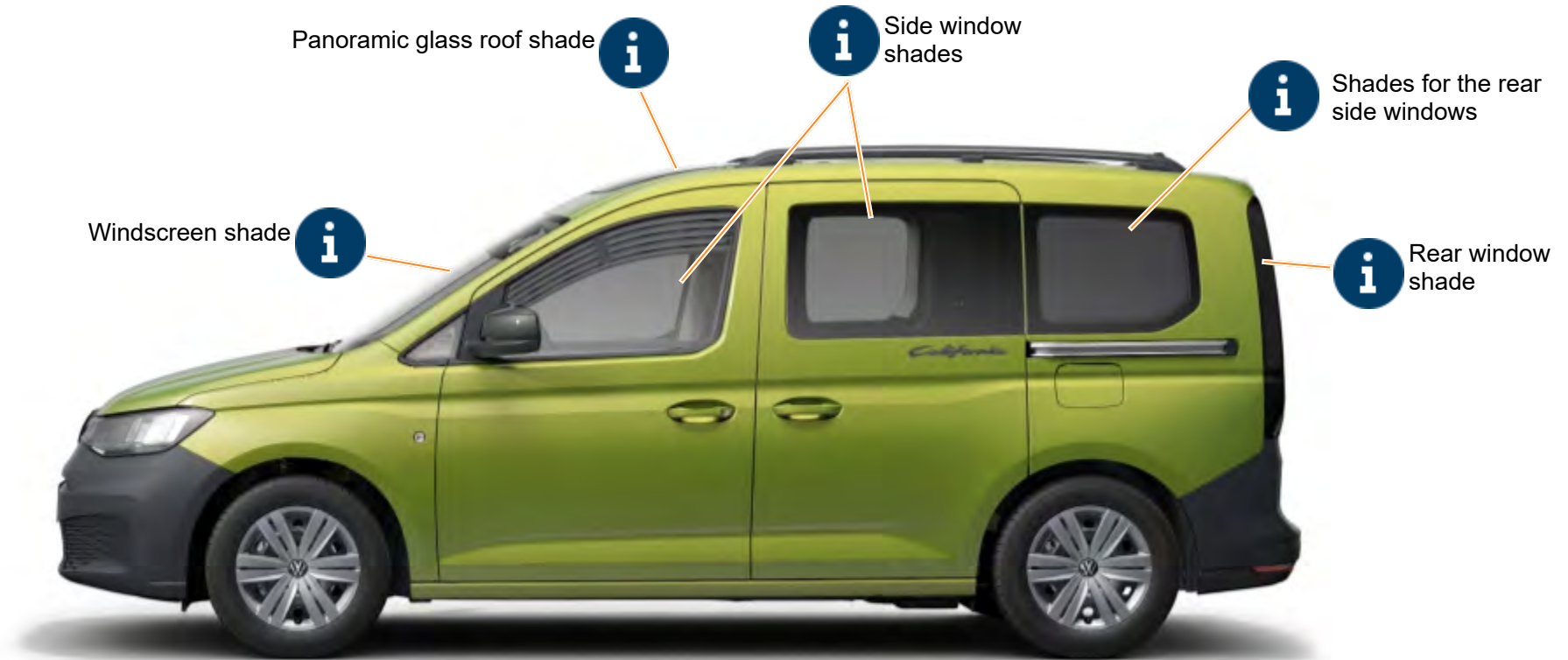
To release the bed from the side mountings, the release button on the release mechanism must be pressed. The release button moves up and a red mark indicates that the release mechanism is released.


Conversely, during installation, the bed frame is securely locked in place when the red marking on the release button is no longer visible.



## The shades

The complete vehicle interior is shaded by fabric curtains or by stowage pockets. There is a specially shaped part for each window.



 Storage of the fabric curtains

## The shades

### Storage of the fabric curtains

The fabric curtains as well as the foldable spring rods for the window shades are located in a separate storage pocket. The pocket is protected against slipping on the folded bed with the securing strap.



## The shades

### Windscreen shade

The windscreen is shaded by a fabric curtain, which is attached to the folded down sun visors by means of rubber bands. In the area of the rear-view mirror, the fabric curtain is closed by a Velcro fastener. A foam bead is sewn into the lower part of the shade. This is jammed into the gap between the dash panel and the windscreen. Sewn-in magnets close the transition between the shade and the side doors, so that the small triangular windows are also shaded.



## The shades

### Panoramic glass roof shade

The panoramic glass roof shade is attached to the roof frame via magnets sewn into the fabric curtain. Furthermore, it is held in place by three three-part, folding spring rods that are pushed into the fabric.



## The shades

### Side window shades



Side window shades of the sliding door    Side window shades of the driver door

The side window shades are attached to the respective window frame via magnets sewn into the fabric curtains.

## The shades

### Rear side window shades



Side pockets in the left rear side window

Two removable side pockets function as shades for the rear side windows. At the top, the side pockets are attached via two rotary fasteners (three rotary fasteners on long wheelbase vehicles) that are turned through 90 degrees. They are held by two press studs at the bottom.



You will find more information about the side pockets in the "Living equipment" chapter.

## The shades

### Rear window shade

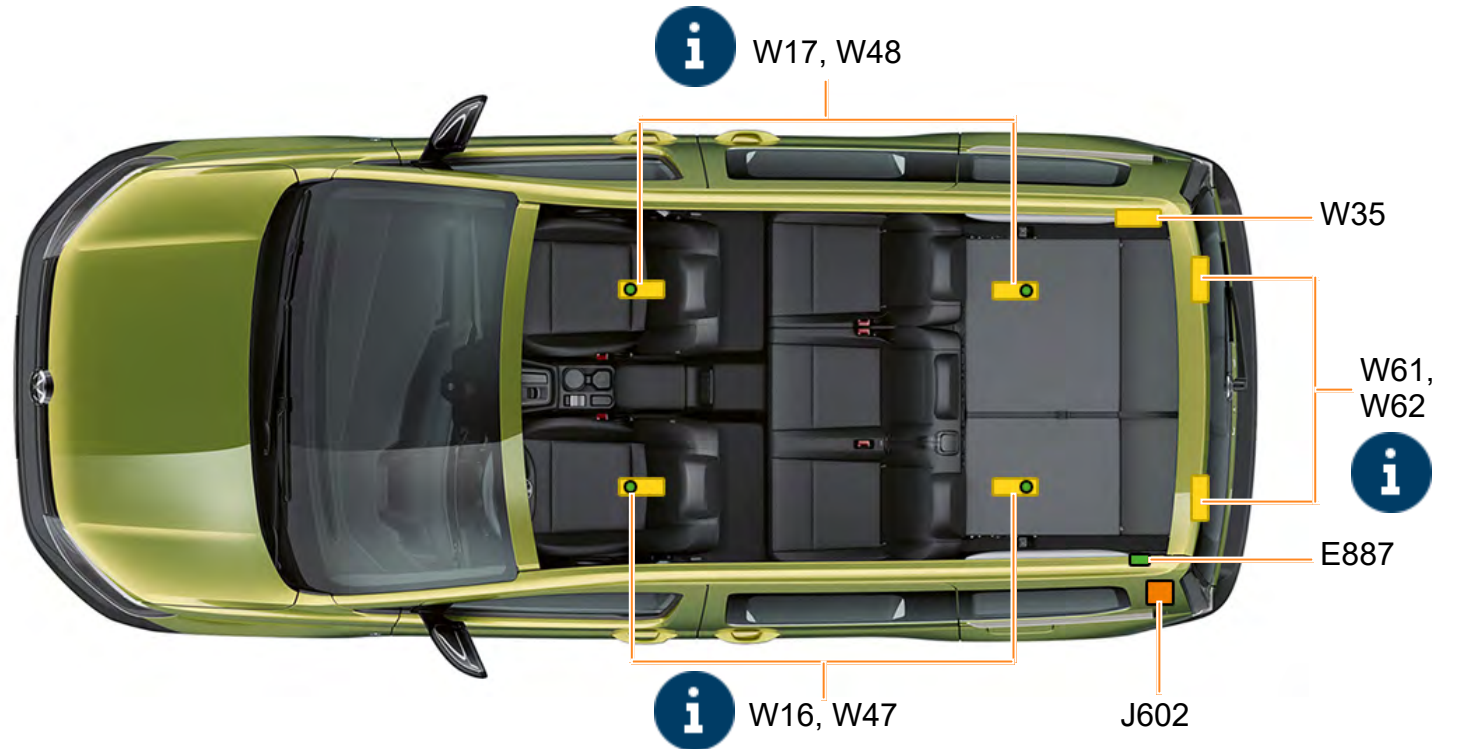


The inside shade of the rear window is held on the window frame by magnets.



## The interior lights

The interior lighting of the Caddy California consists of four LED spots in the headliner, two LED spots in the tailgate and a luggage compartment light. The four warm white LED spots in the headliner W16, W47 and W17, W48 are located on the right and left sides above the bed. They are individually switchable and dimmable. On a vehicle with a panoramic glass roof, only the two rear lights are installed. Two warm white LED spots are installed in the tailgate. The button for switching these lights and the luggage compartment light on and off is located in the load compartment on the left-hand side.



The hotspots and mouseover functions provide further information on the components.

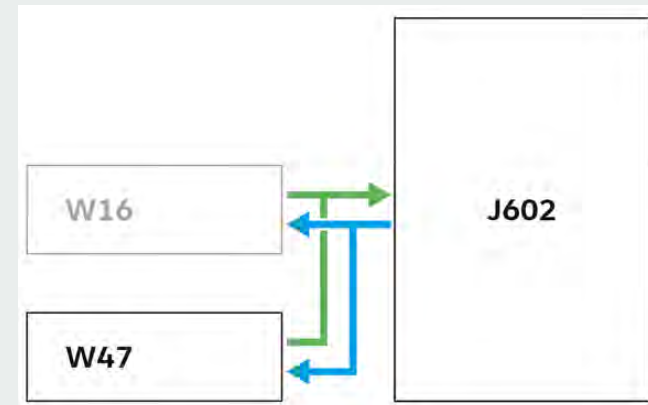
## The interior lights

### Interior lights in headliner on left W16, W47



The interior light W47 on the left side of the vehicle is supplied with power via the interior lighting relay J602. It is operated with a button on the light.

On vehicles without a panoramic glass roof, the interior light W16 of the same design is added to the W47. They are both powered via the interior lighting relay J602. The two lights are connected in parallel and cannot be switched on individually.



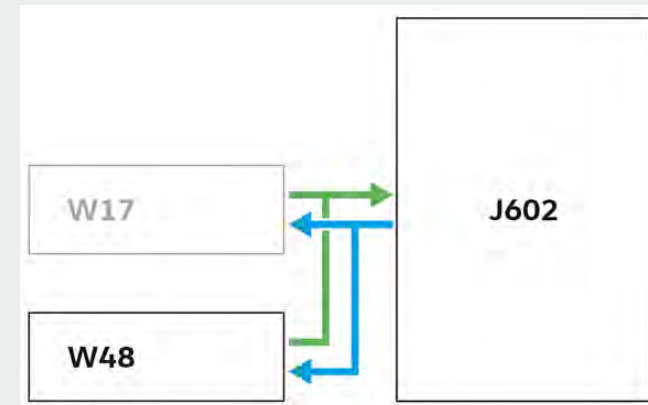
## The interior lights

### Interior lights in headliner on right W17, W48



The interior light W48 on the right side of the vehicle is supplied with power via the interior lighting relay J602. It is operated with a button on the light.

On vehicles without a panoramic glass roof, the interior light W17 of the same design is added to the W48. They are both powered via the interior lighting relay J602. The two lights are connected in parallel and cannot be switched on individually.

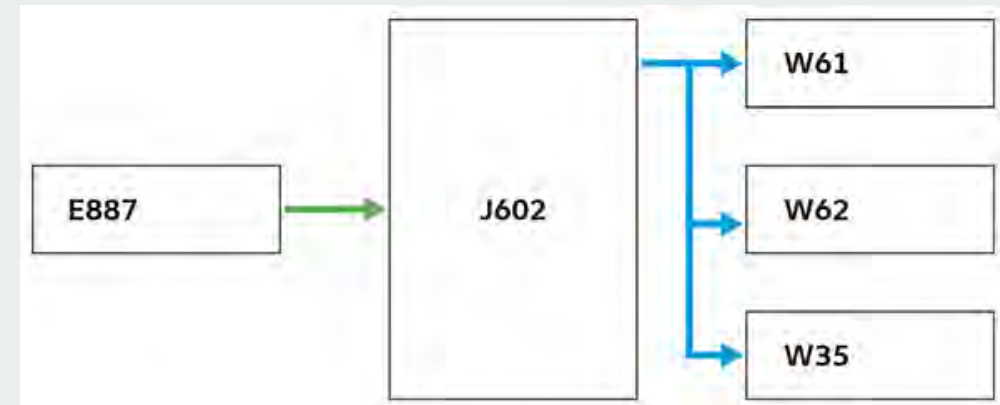


## The interior lights

### Lights in the tailgate W61, W62, W35



Lights W35, W61 and W62 are switched via the exterior lighting button E887. They receive their power supply via the interior lighting relay J602.



## The ventilation

In the front doors on the driver and passenger sides, a plastic ventilation grille can be clamped between the window and the frame. It is hinged and must be unfolded before insertion.

The ventilation grille with integrated mosquito screen ensures optimised air circulation and should always be used when spending the night in the vehicle.



Clamped, hinged ventilation grille

Folded ventilation grille



Mosquito net

Hinge



The ventilation grille is only allowed to be used while the vehicle is stationary.

## The installation location of the galley module

The permanently mounted galley module is located on the left-hand loadspace wall under the bed. It has two pull-out units that can be pulled out to the rear when the tailgate is open. The open tailgate thus also protects against rain when cooking. At the same time, using it behind the vehicle provides optimum access with a standing height of two metres.



Galley module closed



Galley module with open pull-out units

## The structure of the galley module

### Overview

The galley module on the side facing the tailgate consists of two pull-out units with gas cooker, windbreak, shelves, storage space and cutlery tray.

In the front area of the galley module, there is a securely locked gas cabinet (with floor ventilation) for the gas bottle.



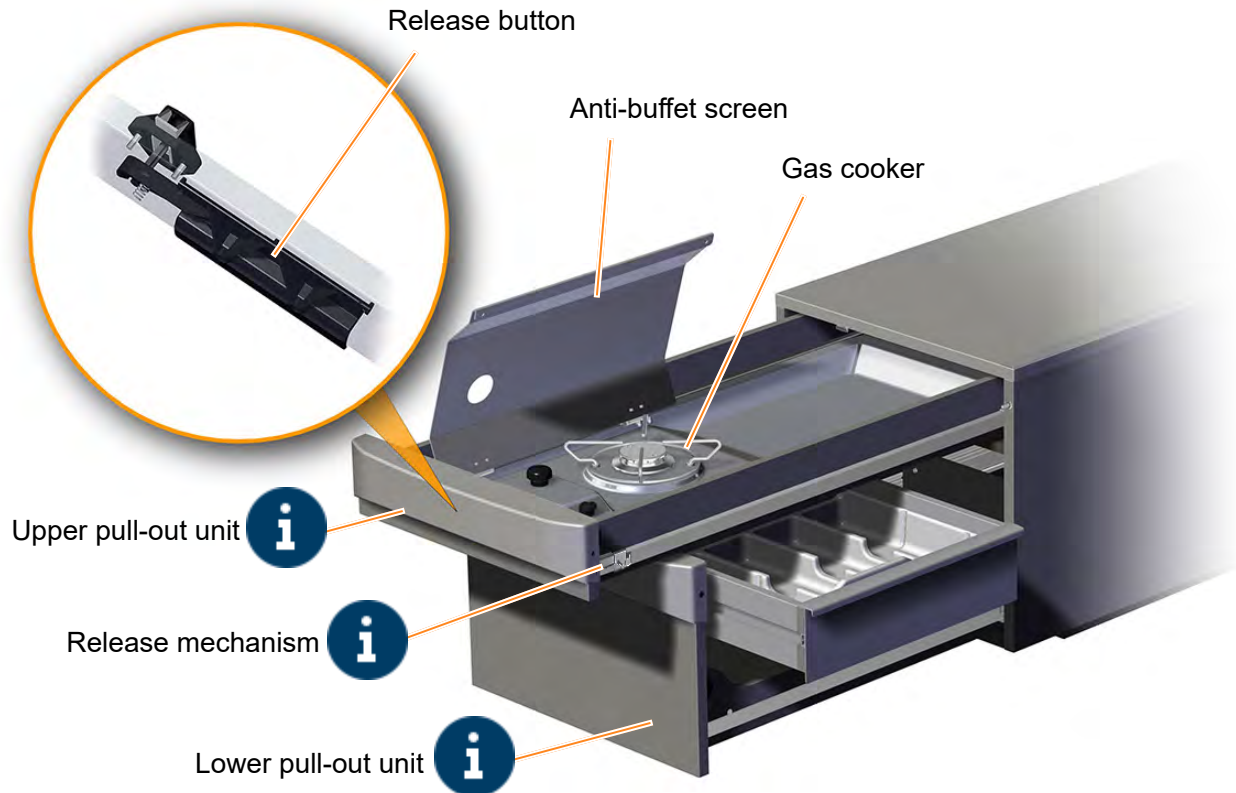
# The structure of the galley module

## Pull-out units

The two pull-out units of the galley module can be pulled out after pressing the release button on the respective handle trim until they audibly engage in the end position. A gas cooker, including a windbreak that can be opened upwards, and a stainless steel shelf are integrated in the upper pull-out unit.

The lower pull-out unit contains a cutlery tray insert that can be pulled out to the side, as well as additional storage space for cooking utensils and provisions.

The pull-out units have a load capacity of approx. 20 kg each.





## The structure of the galley module

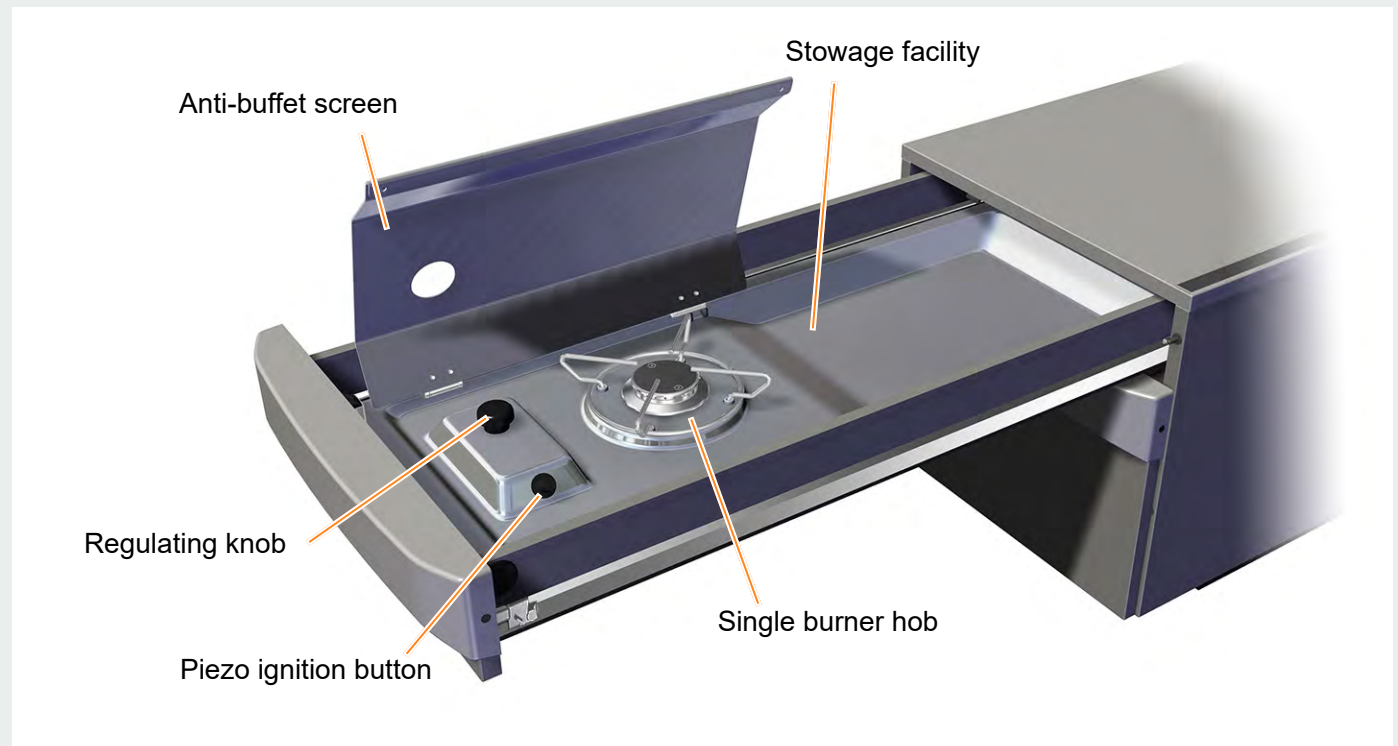
### Pull-out units

#### The upper pull-out unit

The cover of the hob in the upper pull-out unit is hinged and, when opened, acts as a windbreak.

The single-burner gas cooker can be ignited with a piezo igniter. The regulating knob is used to switch the gas supply to the burner on or off and to set the desired gas flow rate.

There is a stainless steel shelf next to the gas cooker.

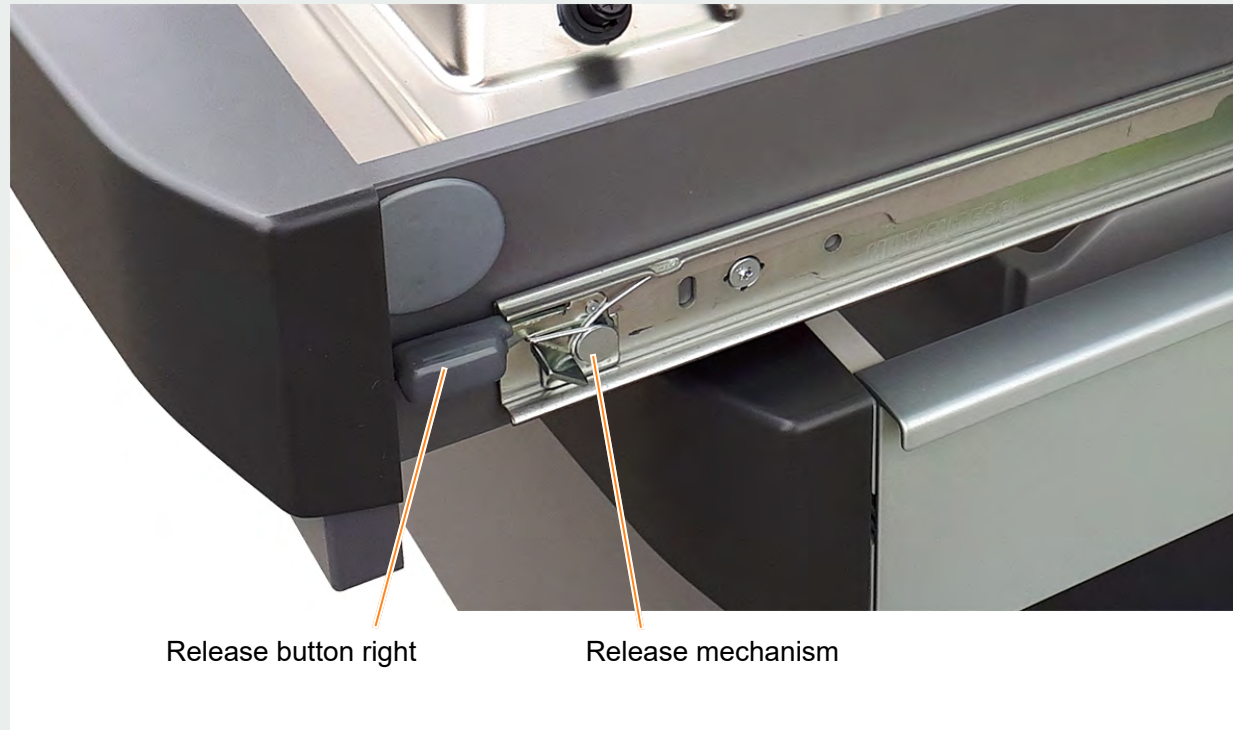


## The structure of the galley module

### Pull-out units

#### The release mechanism

The upper pull-out unit is equipped with locking rails. The left and right release buttons must be pressed to be able to close the pull-out unit.



# The structure of the galley module

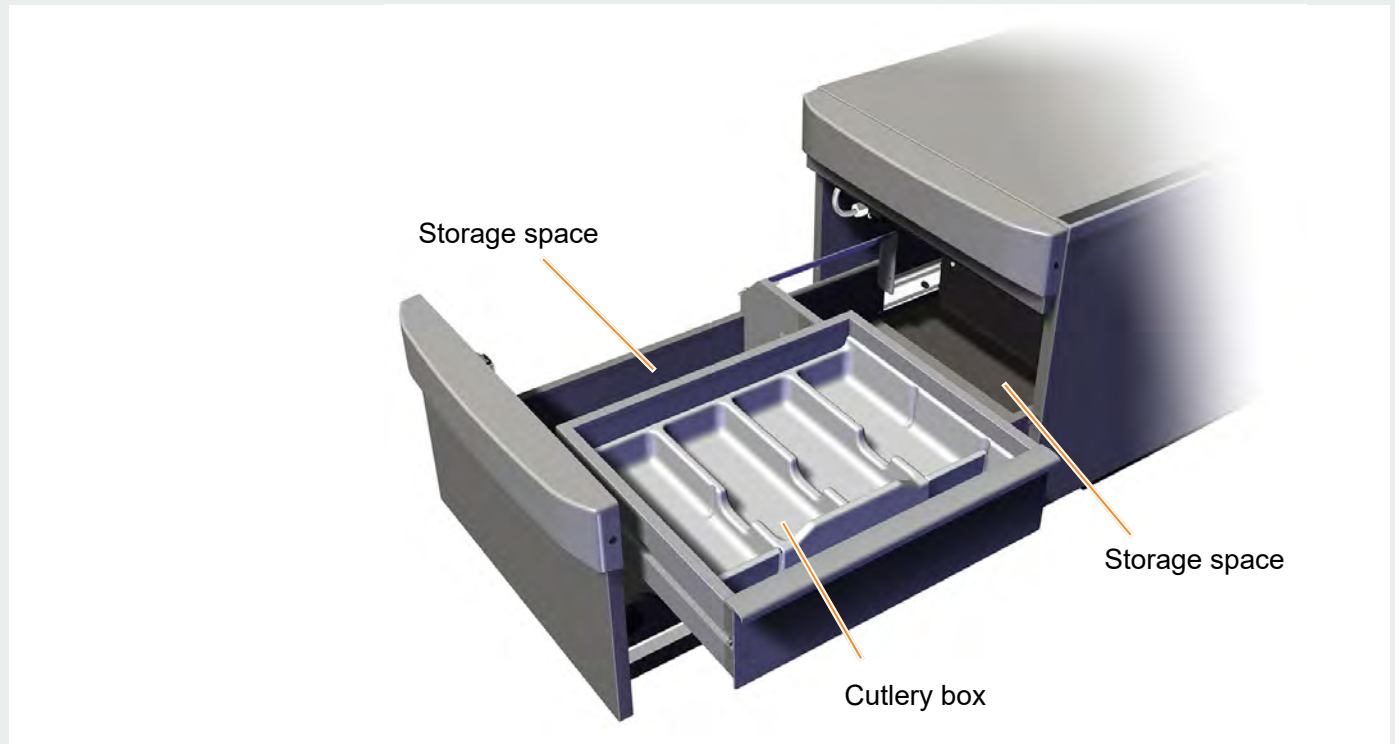
## Pull-out units

### The lower pull-out unit

The lower pull-out unit contains a cutlery tray insert that can be pulled out to the side. Underneath and next to it are further storage spaces for cooking utensils and provisions.



Matching accessories, such as cutlery and cooking utensils, are not part of the galley module.



## The structure of the galley module

### Gas cabinet

The gas cabinet is located in the front area of the galley module. A gas bottle with a filling weight of approx. 1.8 kg can be connected in this storage space.

The cabinet is a securely locked box with a gas cabinet vent. The access is located behind the left seat of the rear row of seats. The cover has a seal for a hermetic closure of the box.



cover with seal

Gas bottle

**i** Gas cabinet ventilation

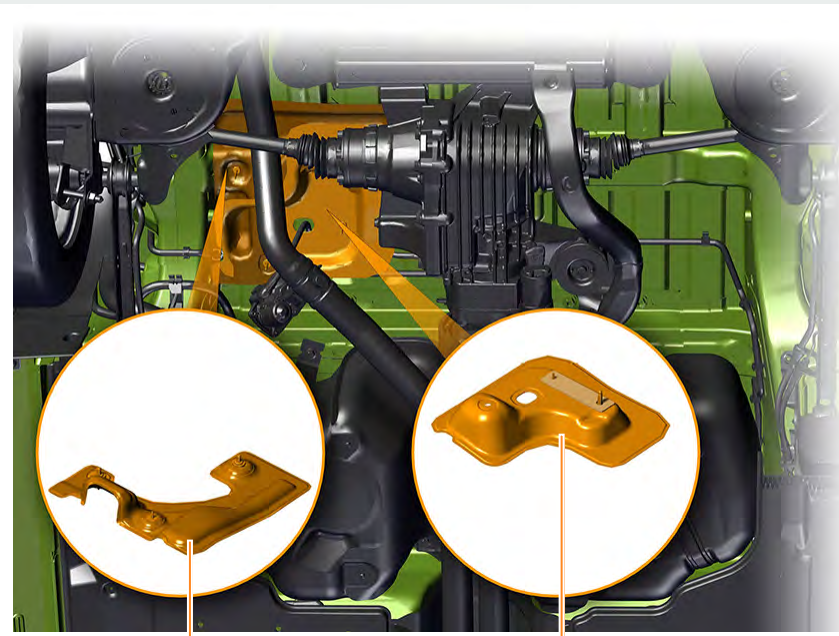
**i** Heat shields are installed on the underfloor of the galley module.

# The structure of the galley module

Gas cabinet

## Heat shields

Different heat shields are installed on the underbody according to the engine and drive type. They are used to maintain the prescribed distances between ventilation and hot components, such as the exhaust system.



Heat shield variant 1

Heat shield variant 2

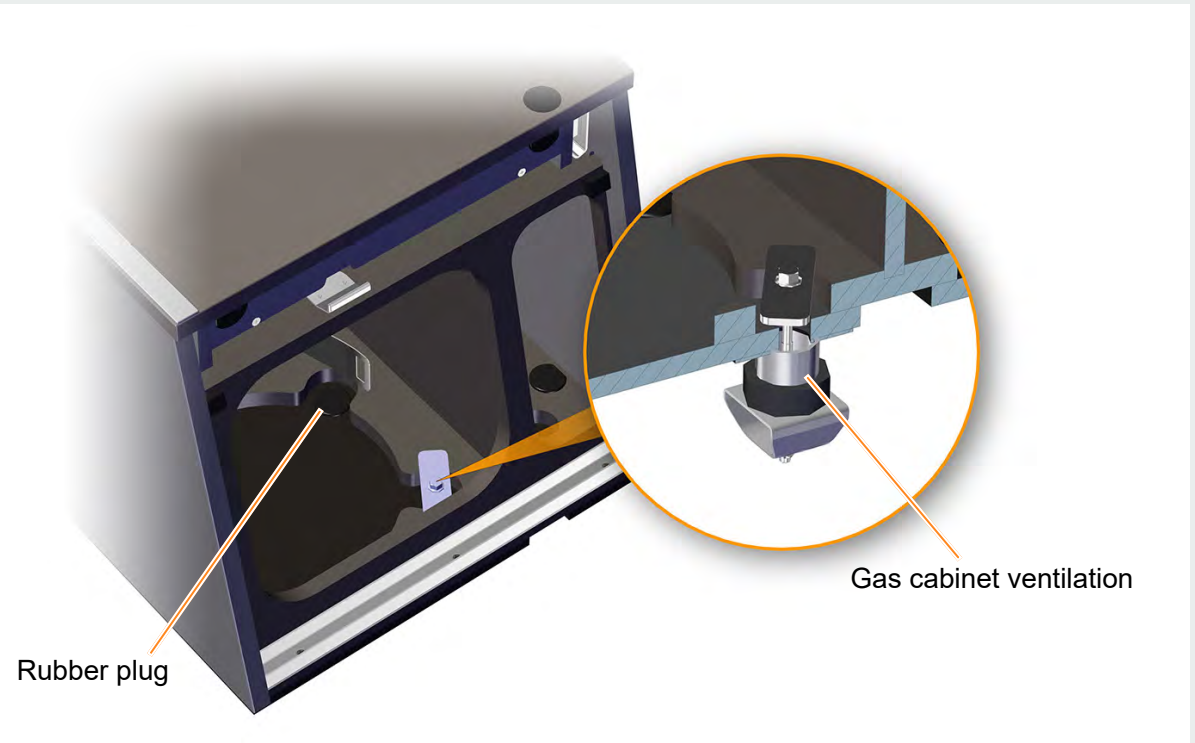
## The structure of the galley module

### Gas cabinet

#### Gas cabinet ventilation

The gas cabinet has a vent leading through the floor panel to the outside. A breather dome mounted underneath prevents moisture and vermin from entering the gas cabinet.

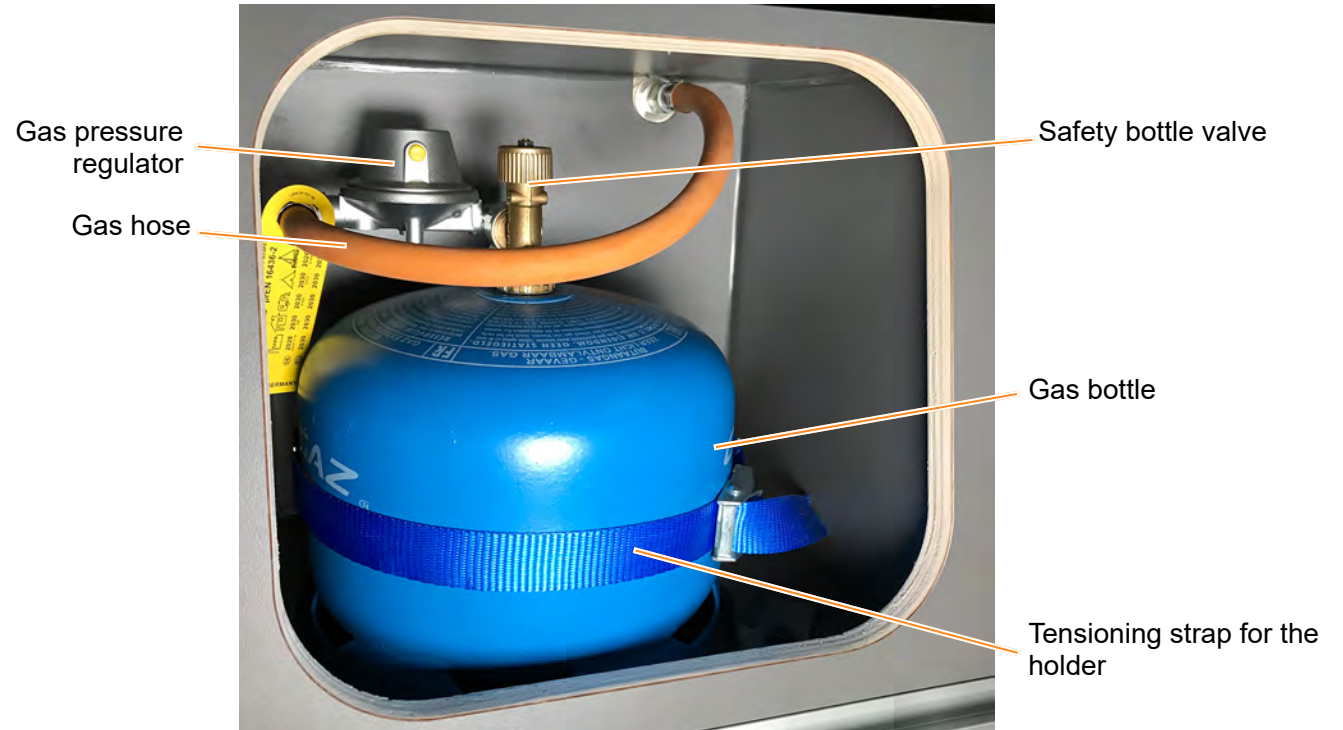
There are two ventilation holes that are used depending on the wheelbase of the vehicle. The unused hole is closed by a rubber plug.



## The gas supply

### Gas bottle connection

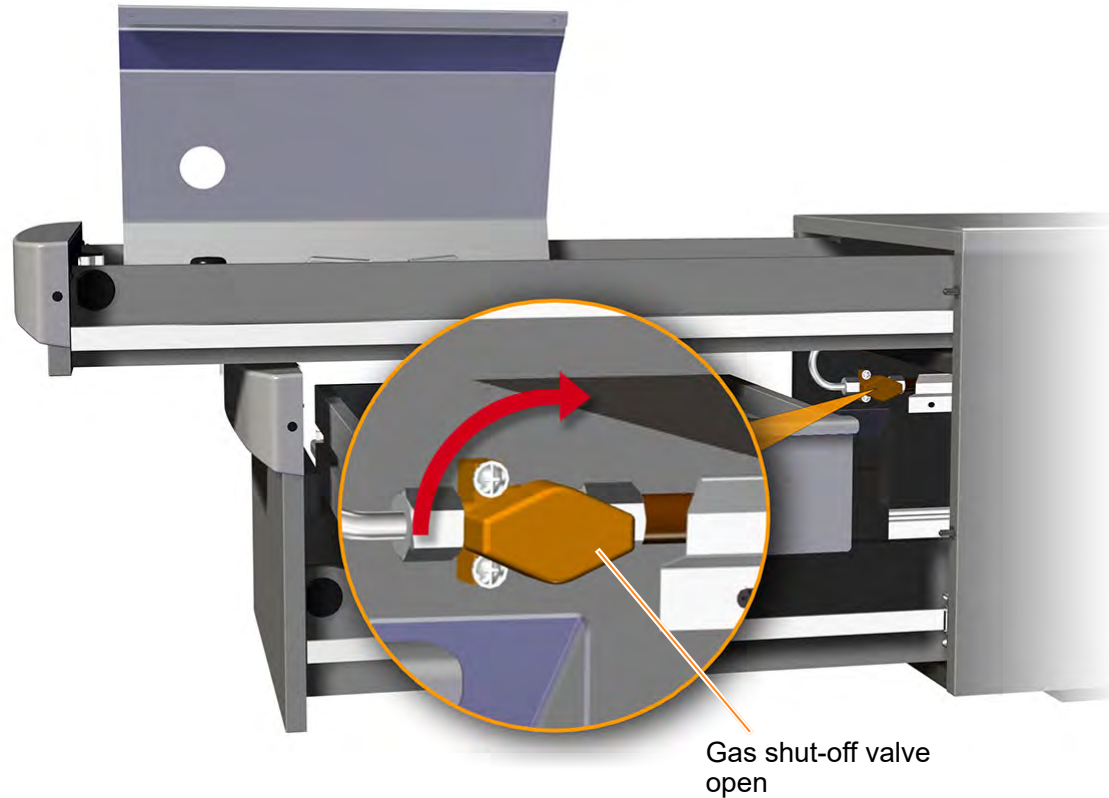
A gas bottle (R904) with a filling weight of approx. 1.8 kg can be connected in the gas cabinet. This is secured by a tensioning strap. The gas pressure regulator ensures the correct gas pressure by reducing the cylinder pressure to the operating pressure of the units.



## The gas supply

### Gas shut-off valve

The gas shut-off valve is located on the left side wall in the mini galley. The valve can be used to shut off the gas line to the gas cooker. The gas shut-off valve is open when the lever is parallel to the gas line. If it is turned through 90 degrees, the gas line is closed.

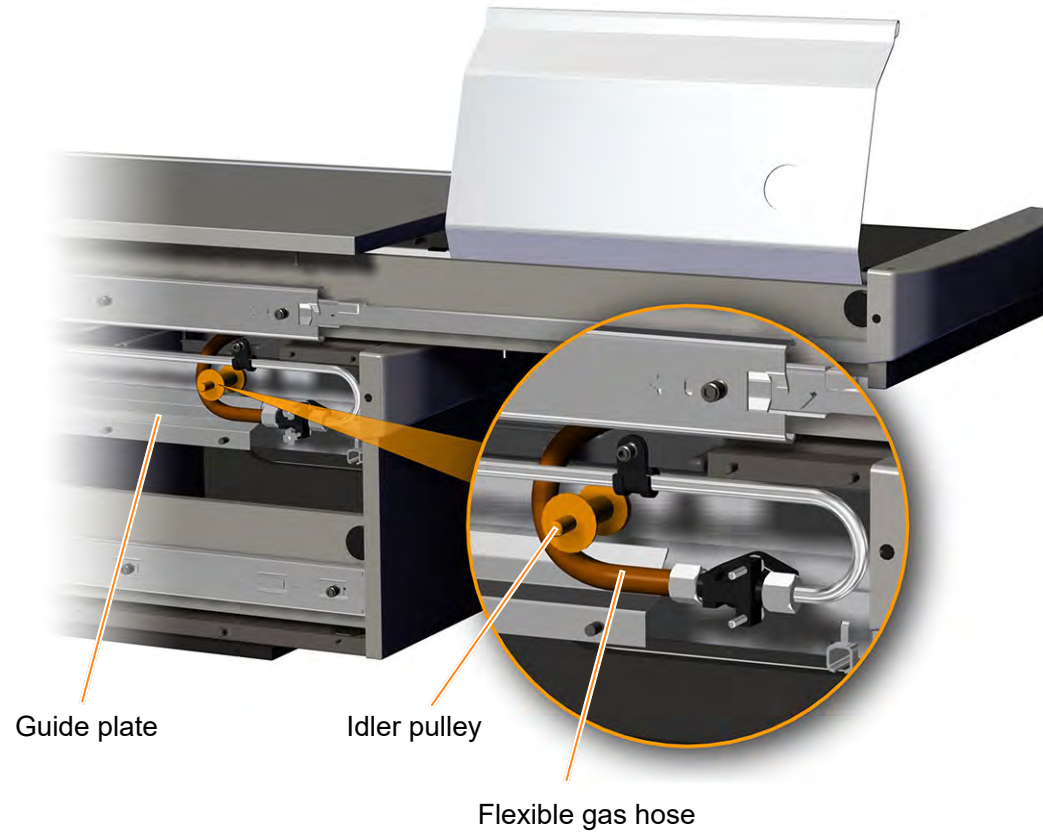




## The gas supply

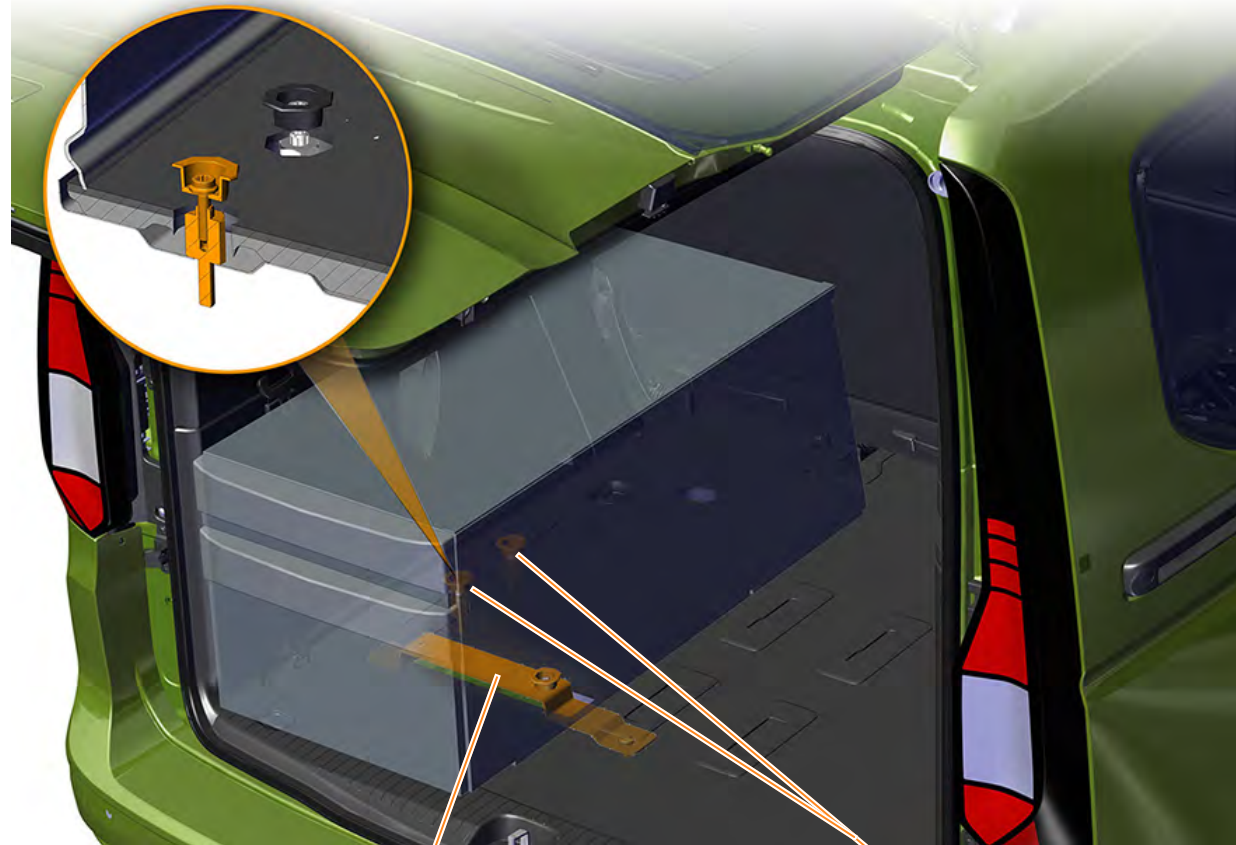
### Flexible gas hose

A flexible gas hose allows the upper pull-out unit to be pulled out with the gas cooker. An idler roller and a guide plate prevent kinking and damage to the hose.



## The installation of the galley module

The galley module is permanently installed. It is secured to the body using centre hex studs. Furthermore, it is bolted to a galley holder that is connected to the body.



Galley holder

Centre hex studs

## The folding table and camping chairs

In the Caddy California, the camping chairs and folding table were taken over from the T6.1 California. They are stored in the vehicle in a stowage bag. There is a separate compartment in the stowage pocket for each of the pieces of camping furniture. This means they cannot get scratched or rattle.

The stowage pocket is located below the high bed. It is attached to the bed frame of the rear bed via belts and Velcro straps, and can thus be quickly removed to increase the luggage compartment.

The stowage pocket can be closed via zippers on the sides and a Velcro fastener on the top.



Stowage pocket with camping chairs and folding table

Velcro fastener



Zip fastener

Camping chair 1

Camping chair 2

Folding table



## The side pockets

### Layout

There are side pockets in the rear side windows for further stowage options. They each have two storage compartments that close with zippers. Both pockets are easily detachable and can be carried with you as a shoulder bag. Light and soft items can be carried in the side pockets. In addition, they provide a privacy screen and also shade the rear side windows.



Zip fasteners

Top storage compartment

Bottom storage compartment



Strap to loop around

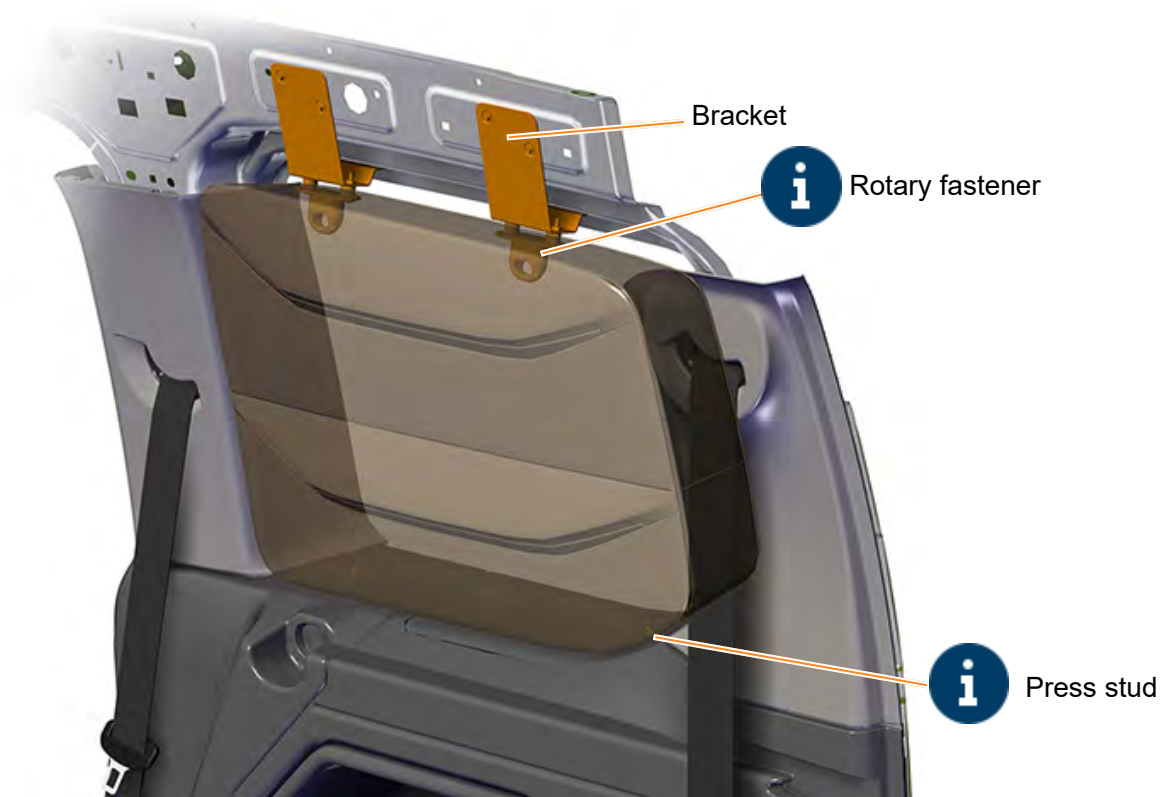
## The side pockets

### Attachment

The side pockets are fastened at the top via rotary fasteners that are rotated through 90 degrees to close.

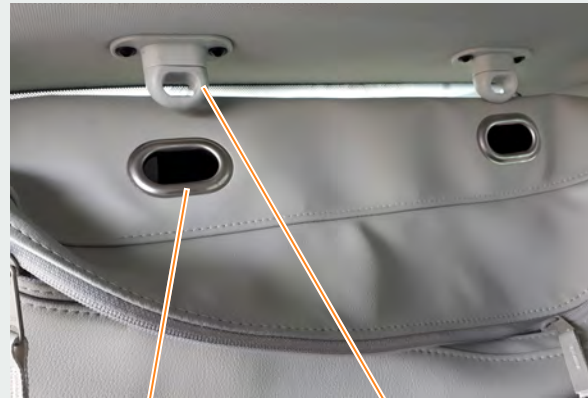
The rotary fasteners are connected to the body via brackets.

At the bottom, they are fastened by two press studs.



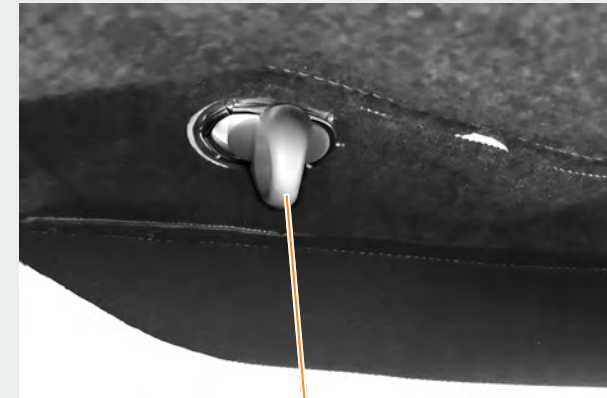
## Attachment

### Top mounting



Eyelet

Rotary fastener



Rotary fastener turned through 90 degrees

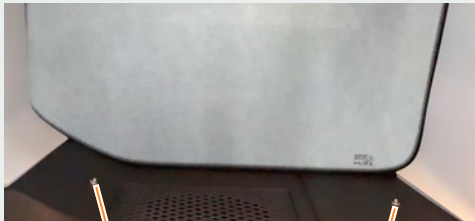
The side pockets are fastened by two rotary fasteners on vehicles with a short wheelbase and by three rotary fasteners on vehicles with a long wheelbase. For this purpose, the integrated eyelets of the pocket are pushed over the corresponding rotary fastener and the rotary fastener is turned through 90 degrees.

# The side pockets

## Attachment

### Bottom mounting

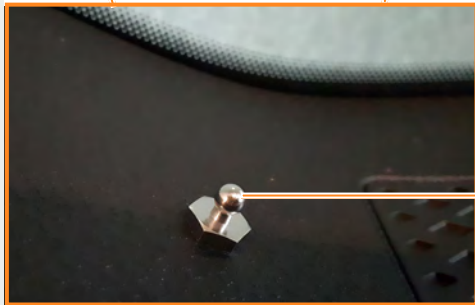
Two ball heads are screwed into the side panel trim, onto which the press studs of the side pockets are pressed for fastening. To release, pull the press stud.



Ball head removed



Ball head in the side wall panel



Press stud in the side pocket

Press stud removed



## The tent

A large, right-angled tunnel tent can be connected to the tailgate of the Caddy California. It can be ordered from Volkswagen Zubehör GmbH. The tent is connected to the rear of the vehicle via a transfer gate. It can be uncoupled and completely closed even without a vehicle. This means that it can remain free-standing on the campsite (for example during excursions).

The tent has large window areas and is a full-size living tent with space for four to six people to sleep. It can be extended via additional side elements. It has an airframe pole and can be set up quickly and easily using an air pump.



Transfer gate

Side element

Airframe pole







**Thank you very much for your interest.**

